

## DFS Test Report

**Report No.:** RF161028D01A-1

**FCC ID:** PY316200344

**Test Model:** R6800

**Series Model:** R6700v2, R6900v2

**Received Date:** Oct. 28, 2016

**Test Date:** May 5, 2017

**Issued Date:** May 10, 2017

**Applicant:** NETGEAR INC.

**Address:** 350 East Plumeria Drive, San Jose, CA 95134, USA

**Issued By:** Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch

**Lab Address:** No. 47-2, 14th Ling, Chia Pau Vil., Lin Kou Dist., New Taipei City, Taiwan (R.O.C.)



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### Release Control Record

| Issue No.      | Description       | Date Issued  |
|----------------|-------------------|--------------|
| RF161028D01A-1 | Original release. | May 10, 2017 |

## 1 Certificate of Conformity

**Product:** AC1900 Smart WiFi Router / AC1750 Smart WiFi Router

**Brand:** NETGEAR

**Test Model:** R6800 (**Product:** AC1900 Smart WiFi Router)

**Series Model:** R6700v2 (**Product:** AC1750 Smart WiFi Router)

R6900v2 (**Product:** AC1900 Smart WiFi Router)

**Sample Status:** Engineering sample

**Applicant:** NETGEAR INC.

**Test Date:** May 5, 2017

**Standards:** FCC Part 15, Subpart E (Section 15.407)

KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

The above equipment has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

**Prepared by :** Annie Chang , **Date:** May 10, 2017  
Annie Chang / Senior Specialist

**Approved by :** Rex Lai , **Date:** May 10, 2017  
Rex Lai / Assistant Manager

## 2 EUT Information

### 2.1 Operating Frequency Bands and Mode of EUT

TABLE 1: Operating Frequency Bands And Mode Of EUT

| Operational Mode | Operating Frequency Range |              |
|------------------|---------------------------|--------------|
|                  | 5250~5350MHz              | 5470~5725MHz |
| Master           | ✓                         | ✓            |

The EUT has disabled the 5600 ~ 5650 MHz band

### 2.2 EUT Software and Firmware Version

Table 2: The EUT Software/Firmware Version

| No. | Product                                             | Model No. | Software/Firmware Version                   |
|-----|-----------------------------------------------------|-----------|---------------------------------------------|
| 1   | AC1900 Smart WiFi Router / AC1750 Smart WiFi Router | R6800     | Firmware Version: V1.1.034_1.0.1_0418_usdfs |

### 2.3 Description of Available Antennas to The EUT

Table 3: Antenna List

| Frequency Band | Ant NO. | Antenna Type | Directional Gain (dBi) | Connector Type |
|----------------|---------|--------------|------------------------|----------------|
| 5260-5320      | 1       | Dipole       | 6.95                   | R-SMA          |
|                | 2       | Dipole       |                        | R-SMA          |
|                | 3       | Dipole       |                        | R-SMA          |
|                | 4       | PIFA         |                        | I-PEX          |
| 5500-5700      | 1       | Dipole       | 7.14                   | R-SMA          |
|                | 2       | Dipole       |                        | R-SMA          |
|                | 3       | Dipole       |                        | R-SMA          |
|                | 4       | PIFA         |                        | I-PEX          |

## 2.4 EUT Maximum Conducted Power

Table 4: The Measured Conducted Output Power

### 802.11a

| Frequency Band<br>(MHz) | MAX. Power           |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 23.94                | 247.872             |
| 5470~5725               | 23.92                | 246.705             |

### 802.11ac (20MHz)

| Frequency Band<br>(MHz) | MAX. Power           |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 23.92                | 246.493             |
| 5470~5725               | 23.92                | 246.39              |

### 802.11ac (40MHz)

| Frequency Band<br>(MHz) | MAX. Power           |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 23.89                | 245.096             |
| 5470~5725               | 23.91                | 245.861             |

### 802.11ac (80MHz)

| Frequency Band<br>(MHz) | MAX. Power           |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 23.91                | 246.228             |
| 5470~5725               | 23.91                | 246.146             |

## 2.5 EUT Maximum EIRP Power

Table 5: The EIRP Output Power List

### 802.11a

| Frequency Band<br>(MHz) | MAX. EIRP Power      |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 27.67                | 584.790             |
| 5470~5725               | 28.40                | 691.831             |

### 802.11ac (20MHz)

| Frequency Band<br>(MHz) | MAX. EIRP Power      |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 27.65                | 582.103             |
| 5470~5725               | 28.40                | 691.831             |

### 802.11ac (420MHz)

| Frequency Band<br>(MHz) | MAX. EIRP Power      |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 27.62                | 578.096             |
| 5470~5725               | 28.39                | 690.240             |

### 802.11ac (80MHz)

| Frequency Band<br>(MHz) | MAX. EIRP Power      |                     |
|-------------------------|----------------------|---------------------|
|                         | Output<br>Power(dBm) | Output<br>Power(mW) |
| 5250~5350               | 27.64                | 580.764             |
| 5470~5725               | 28.39                | 690.240             |

## 2.6 Transmit Power Control (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

| Applicable | E.I.R.P | FCC 15.407 (h)(1)                                                          |
|------------|---------|----------------------------------------------------------------------------|
| √          | >500mW  | The TPC mechanism is required for system with an E.I.R.P of above 500Mw    |
|            | <500mW  | The TPC mechanism is not required for system with an E.I.R.P of less 500mW |

The UUT can adjust a transmitter's output power based on the signal level present at the receiver. TPC is auto controlled by software

## 2.7 Statement of Manufacturer

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user.



### 3. U-NII DFS Rule Requirements

#### 3.1 Working Modes and Required Test Items

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 6 and 7 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS Requirements Prior To Use a Channel

| Requirement                     | Operational Mode |                                |                             |
|---------------------------------|------------------|--------------------------------|-----------------------------|
|                                 | Master           | Client without radar detection | Client with radar detection |
| Non-Occupancy Period            | ✓                | ✓ note                         | ✓                           |
| DFS Detection Threshold         | ✓                | Not required                   | ✓                           |
| Channel Availability Check Time | ✓                | Not required                   | Not required                |
| U-NII Detection Bandwidth       | ✓                | Not required                   | ✓                           |

Note: Per KDB 905462 D03 UNII Clients Without Radar Detection New Rules v01r02 section (b)(5/6), If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear. An analyzer plot that contains a single 30-minute sweep on the original channel.

Table 7: Applicability of DFS Requirements During Normal Operation.

| Requirement                       | Operational Mode                      |                                |
|-----------------------------------|---------------------------------------|--------------------------------|
|                                   | Master or Client with radar detection | Client without radar detection |
| DFS Detection Threshold           | ✓                                     | Not required                   |
| Channel Closing Transmission Time | ✓                                     | ✓                              |
| Channel Move Time                 | ✓                                     | ✓                              |
| U-NII Detection Bandwidth         | ✓                                     | Not required                   |

| Additional requirements for devices with multiple bandwidth modes | Master or Client with radar detection | Client without radar detection                       |
|-------------------------------------------------------------------|---------------------------------------|------------------------------------------------------|
| U-NII Detection Bandwidth and Statistical Performance Check       | All BW modes must be tested           | Not required                                         |
| Channel Move Time and Channel Closing Transmission Time           | Test using widest BW mode available   | Test using the widest BW mode available for the link |
| All other tests                                                   | Any single BW mode                    | Not required                                         |

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

### 3.2 Test Limits And Radar Signal Parameters

#### Detection Threshold Values

Table 8: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

| Maximum Transmit Power                                                          | Value<br>(See Notes 1, 2, and 3) |
|---------------------------------------------------------------------------------|----------------------------------|
| EIRP $\geq$ 200 milliwatt                                                       | -64 dBm                          |
| EIRP < 200 milliwatt and<br>power spectral density < 10 dBm/MHz                 | -62 dBm                          |
| EIRP < 200 milliwatt that do not meet the<br>power spectral density requirement | -64 dBm                          |

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.  
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.  
 Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 9: DFS Response Requirement Values

| Parameter                         | Value                                                                                                     |
|-----------------------------------|-----------------------------------------------------------------------------------------------------------|
| Non-occupancy period              | Minimum 30 minutes                                                                                        |
| Channel Availability Check Time   | 60 seconds                                                                                                |
| Channel Move Time                 | 10 seconds<br>See Note 1.                                                                                 |
| Channel Closing Transmission Time | 200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period.<br>See Notes 1 and 2. |
| U-NII Detection Bandwidth         | Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3                                    |

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.  
 Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.  
 Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

### Parameters of DFS Test Signals

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: Short Pulse Radar Test Waveforms

| Radar Type                                                                                                                           | Pulse Width (μsec) | PRI (μsec)                                                                                                                                                    | Number of Pulses                                                                                                                        | Minimum Percentage of Successful Detection | Minimum Number of Trials |
|--------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------|--------------------------|
| 0                                                                                                                                    | 1                  | 1428                                                                                                                                                          | 18                                                                                                                                      | See Note 1                                 | See Note 1               |
| 1                                                                                                                                    | 1                  | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a                                                                     | $\text{Roundup} \left\{ \left\{ \frac{1}{360} \right\} \cdot \left\{ \frac{19 \cdot 10^6}{\text{PRI } \mu\text{sec}} \right\} \right\}$ | 60%                                        | 30                       |
|                                                                                                                                      |                    | Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A |                                                                                                                                         |                                            |                          |
| 2                                                                                                                                    | 1-5                | 150-230                                                                                                                                                       | 23-29                                                                                                                                   | 60%                                        | 30                       |
| 3                                                                                                                                    | 6-10               | 200-500                                                                                                                                                       | 16-18                                                                                                                                   | 60%                                        | 30                       |
| 4                                                                                                                                    | 11-20              | 200-500                                                                                                                                                       | 12-16                                                                                                                                   | 60%                                        | 30                       |
| Aggregate (Radar Types 1-4)                                                                                                          |                    |                                                                                                                                                               |                                                                                                                                         | 80%                                        | 120                      |
| Note 1: Short Pulse Radar Type 0 should be used for the detection bandwidth test, channel move time, and channel closing time tests. |                    |                                                                                                                                                               |                                                                                                                                         |                                            |                          |

Table 11: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number Of Pulses Per Burst | Number Of Bursts | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|-------------------|------------|----------------------------|------------------|--------------------------------------------|--------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 80%                                        | 30                       |

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency.

a) the Channel center frequency  
b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth  
c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

It include 10 trails for every subset, the formula as below,

For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$FL + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$FH - (0.4 * \text{Chirp Width [in MHz]})$$

Table 12: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Minimum Percentage Of Successful Detection | Minimum Number Of Trials |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|--------------------------------------------|--------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 70%                                        | 30                       |

#### 4. Test & Support Equipment List

##### 4.1 Test Instruments

Table 13: Test Instruments List

| Description & Manufacturer | Model No. | Serial No | Date Of Calibration | Due Date Of Calibration |
|----------------------------|-----------|-----------|---------------------|-------------------------|
| R&S Spectrum analyzer      | FSP       | R&S       | 2016/06/07          | 2017/06/06              |
| Signal generator           | N5182     | Keysight  | 2016/05/20          | 2017/05/19              |

##### 4.2 Description of Support Units

Table 14: Support Unit Information.

| No. | Product                            | Brand | Model No.              | Spec         |
|-----|------------------------------------|-------|------------------------|--------------|
| 1   | Intel-wireless AC 7265 (inside PC) | Intel | Intel-wireless AC 7265 | (V18.21.0.2) |

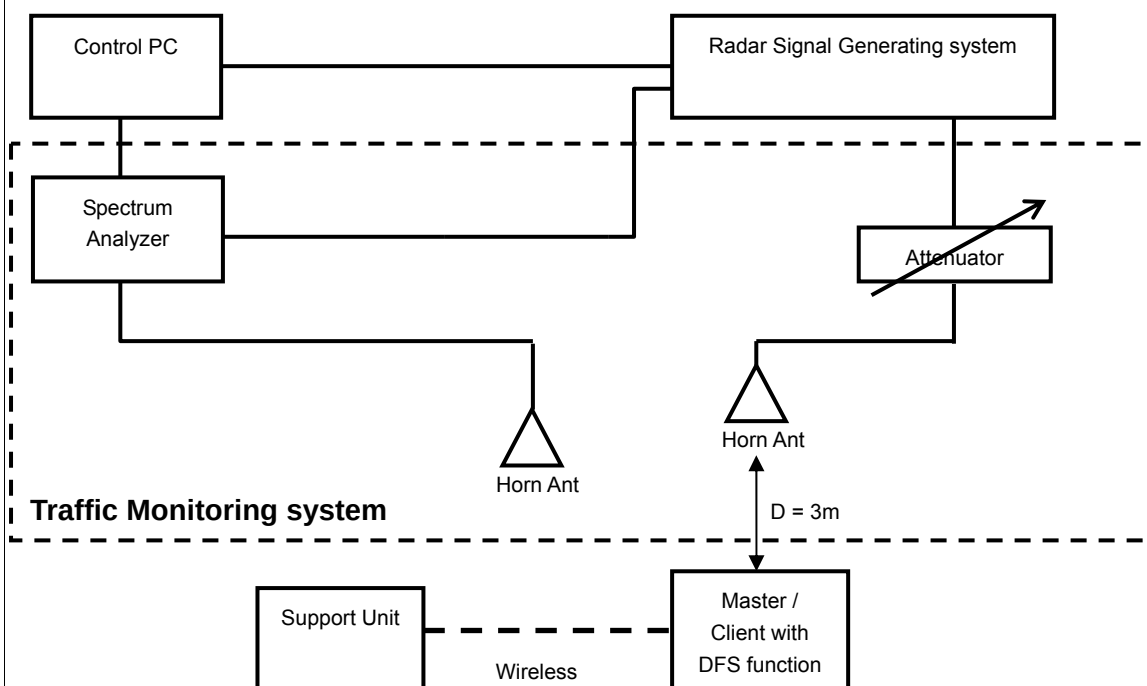
**NOTE:** This device was functioned as a ☐ Master ☒ Slave device during the DFS test.

## 5. Test Procedure

### 5.1 DFS Measurement System

A complete DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating system and (2) the Traffic Monitoring system. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

#### Radiated Setup Configuration of DFS Measurement System



#### Channel Loading

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

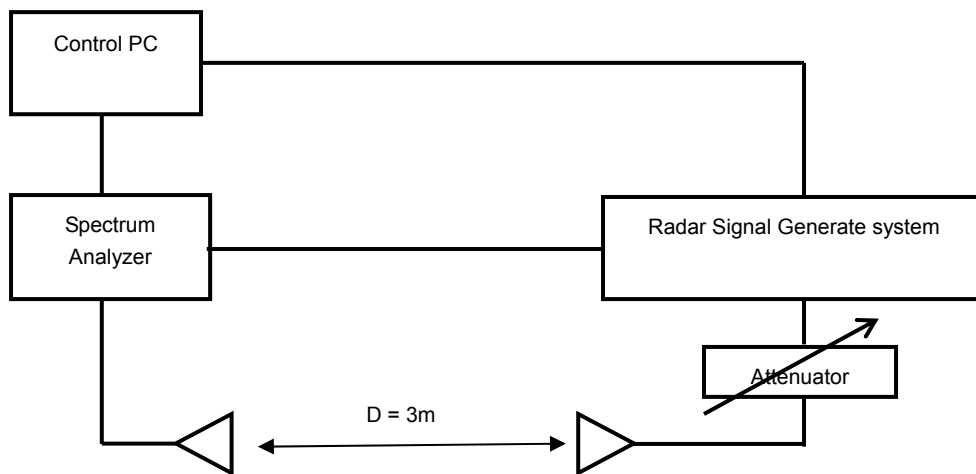
|    |                                                                                                                                                                         |   |
|----|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|
| a) | The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode. |   |
| b) | Software to ping the client is permitted to simulate data transfer but must have random ping intervals.                                                                 |   |
| c) | Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater.                                                    | ✓ |
| d) | Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.                  |   |

## 5.2 Calibration of DFS Detection Threshold Level

The measured channel is 5500MHz and 5510MHz and 5530MHz. The radar signal was the same as transmitted channels, and injected into the antenna of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time.

### Radiated setup configuration of Calibration of DFS Detection Threshold Level

The calibrated conducted detection threshold level is set to -64dBm. The tested level is lower than required level hence it provides margin to the limit.



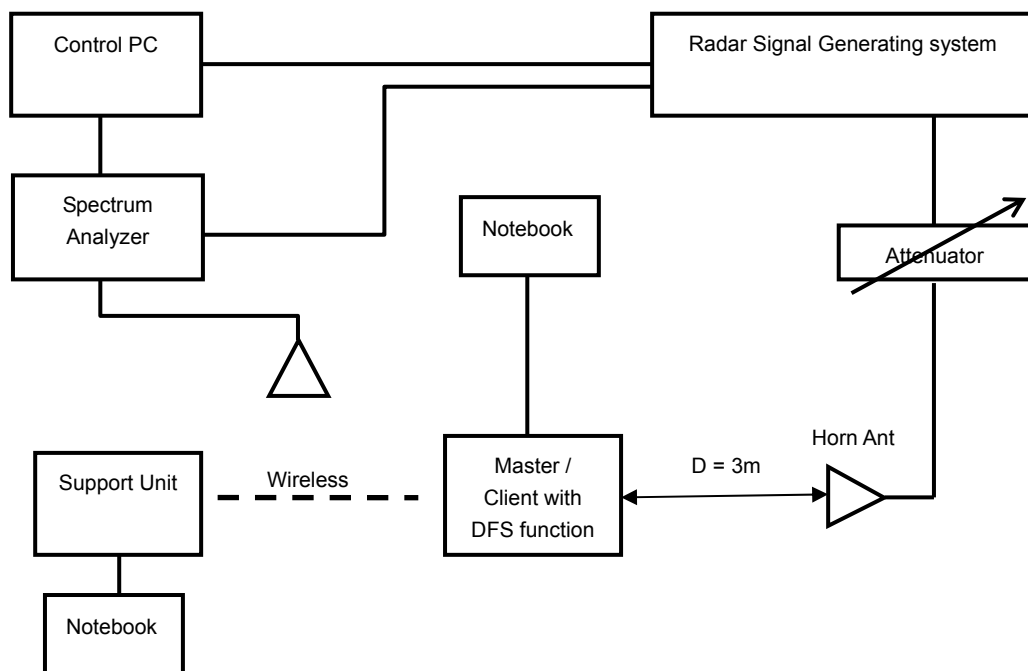
## 5.3 Deviation From Test Standard

No deviation.

## 5.4 Radiated Test Setup Configuration

### Master mode

The EUT is a U-NII Device operating in Master mode. The radar test signals are injected into the Master Device.





## 6. Test Results

### 6.1 Summary of Test Results

| Clause | Test Parameter                    | Remarks    | Pass/Fail |
|--------|-----------------------------------|------------|-----------|
| 15.407 | DFS Detection Threshold           | Applicable | Pass      |
| 15.407 | U-NII Detection Bandwidth         | Applicable | Pass      |
| 15.407 | Channel Availability Check Time   | Applicable | Pass      |
| 15.407 | Channel Move Time                 | Applicable | Pass      |
| 15.407 | Channel Closing Transmission Time | Applicable | Pass      |
| 15.407 | Non- Occupancy Period             | Applicable | Pass      |
| 15.407 | Uniform Spreading                 | Applicable | Pass      |

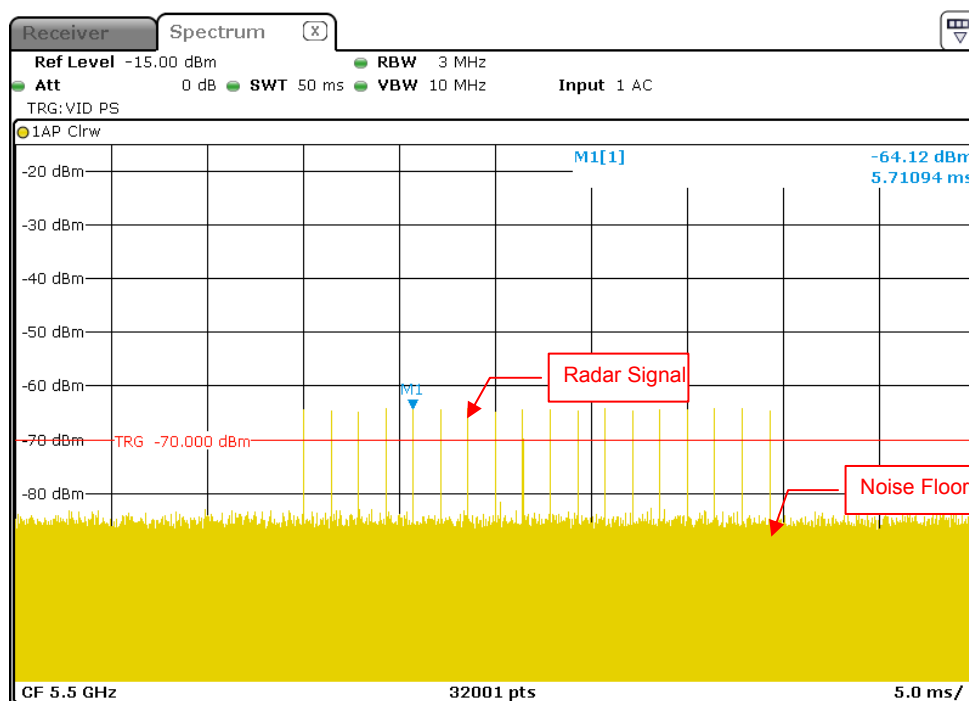
## 6.2 Test Results

### 6.2.1 Test Mode: Device Operating In Master Mode.

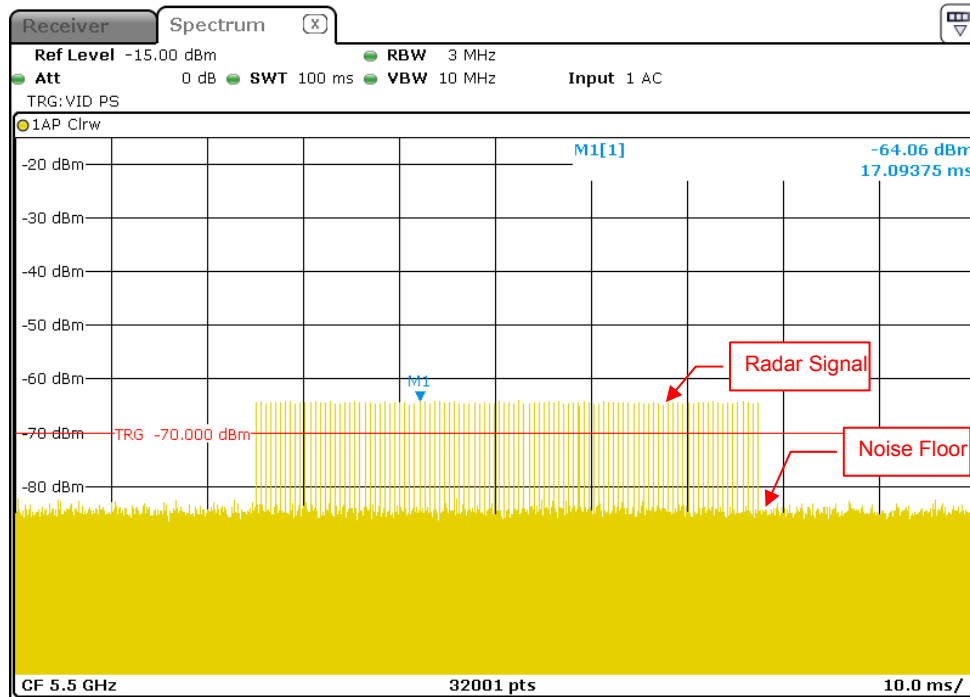
The radar test waveforms are injected into the Master.

#### DFS Detection Threshold

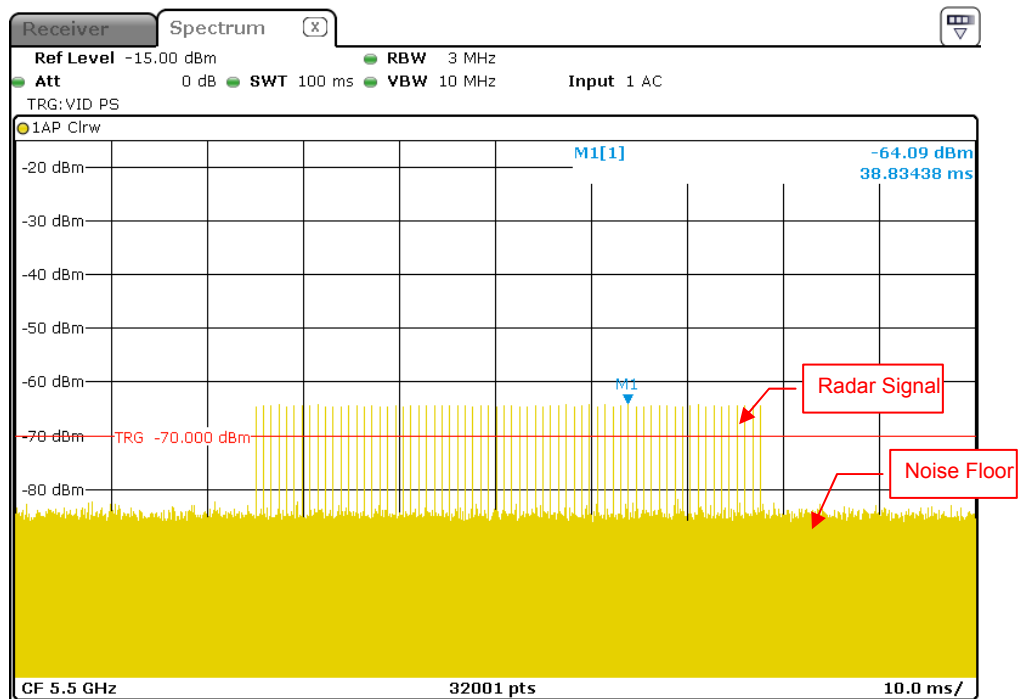
For detection threshold level of -64dBm, the tested level is lower than required level for 1dB, hence it provides margin to the limit.



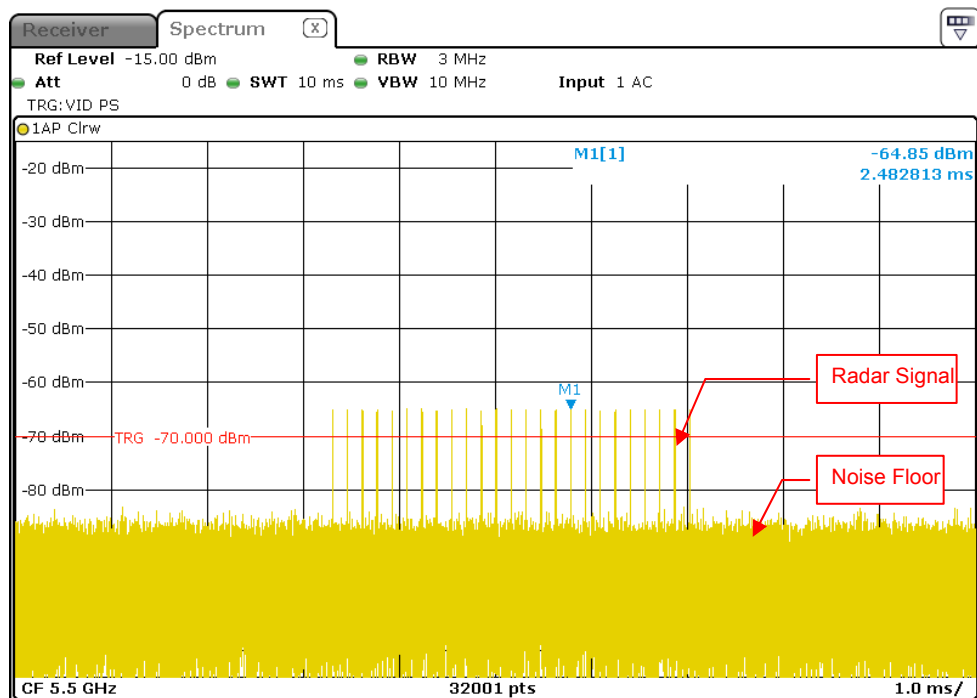
Radar Signal 0



Radar Signal 1 (Test A)



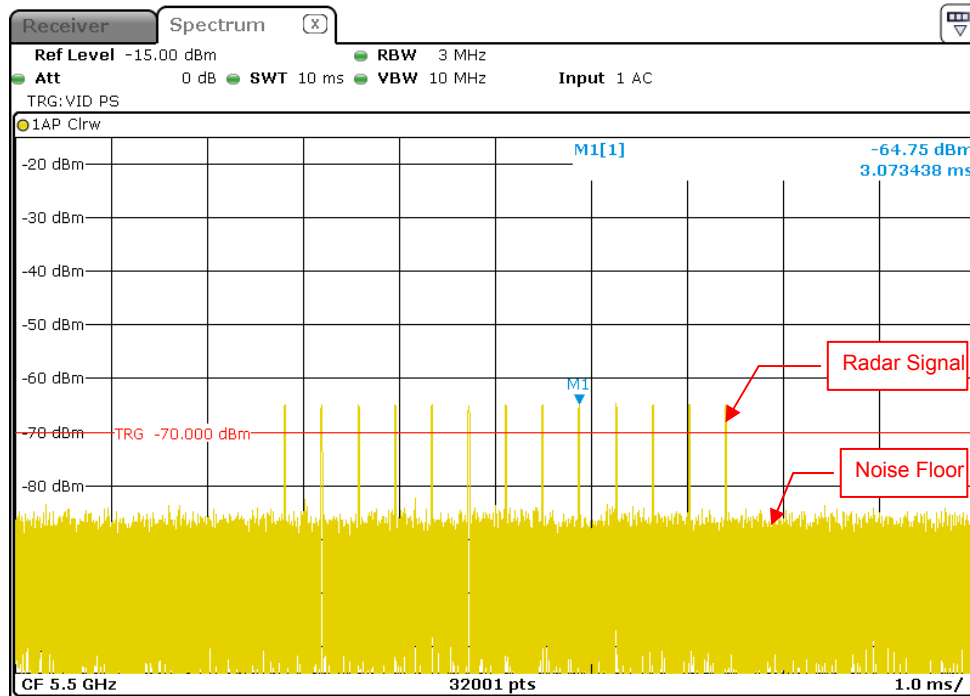
Radar Signal 1 (Test B)



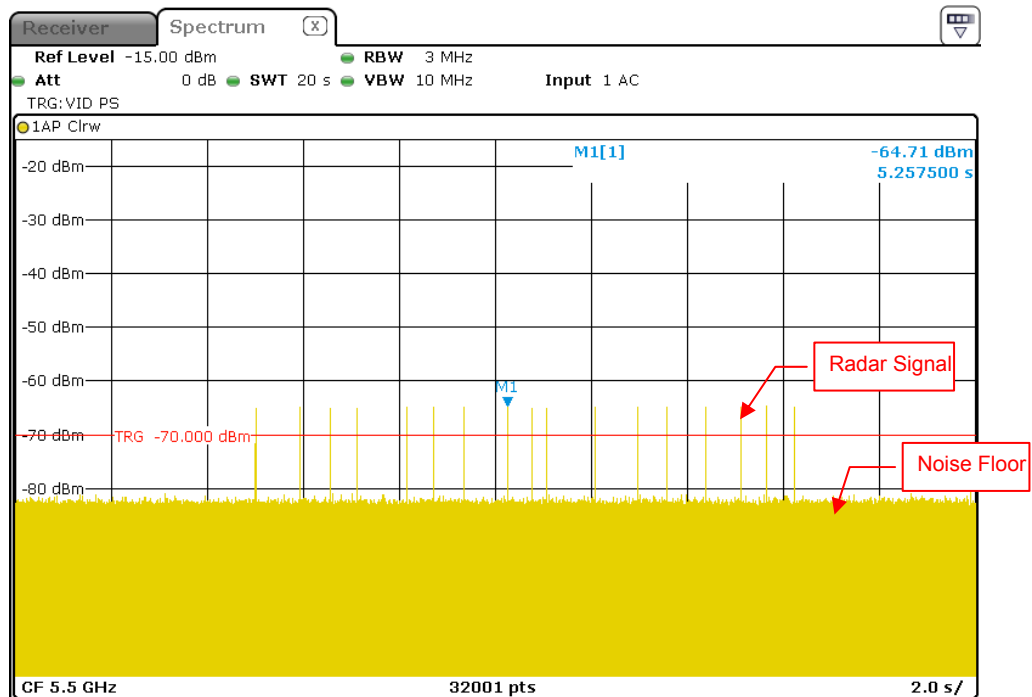
Radar Signal 2



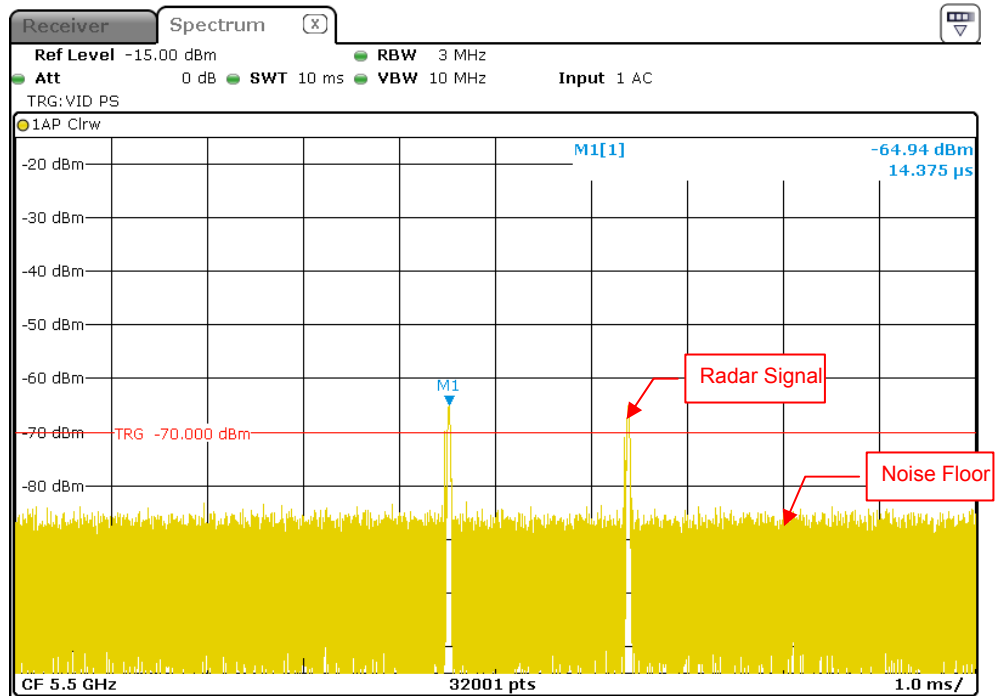
Radar Signal 3



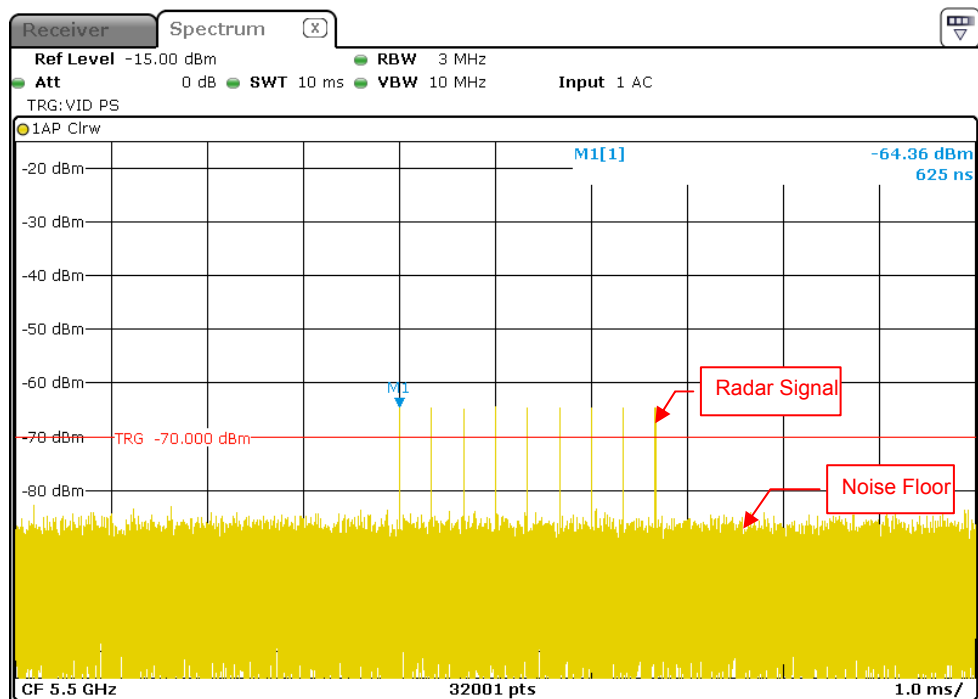
Radar Signal 4



Radar Signal 5



Single Burst of Radar Signal 5



Radar Signal 6



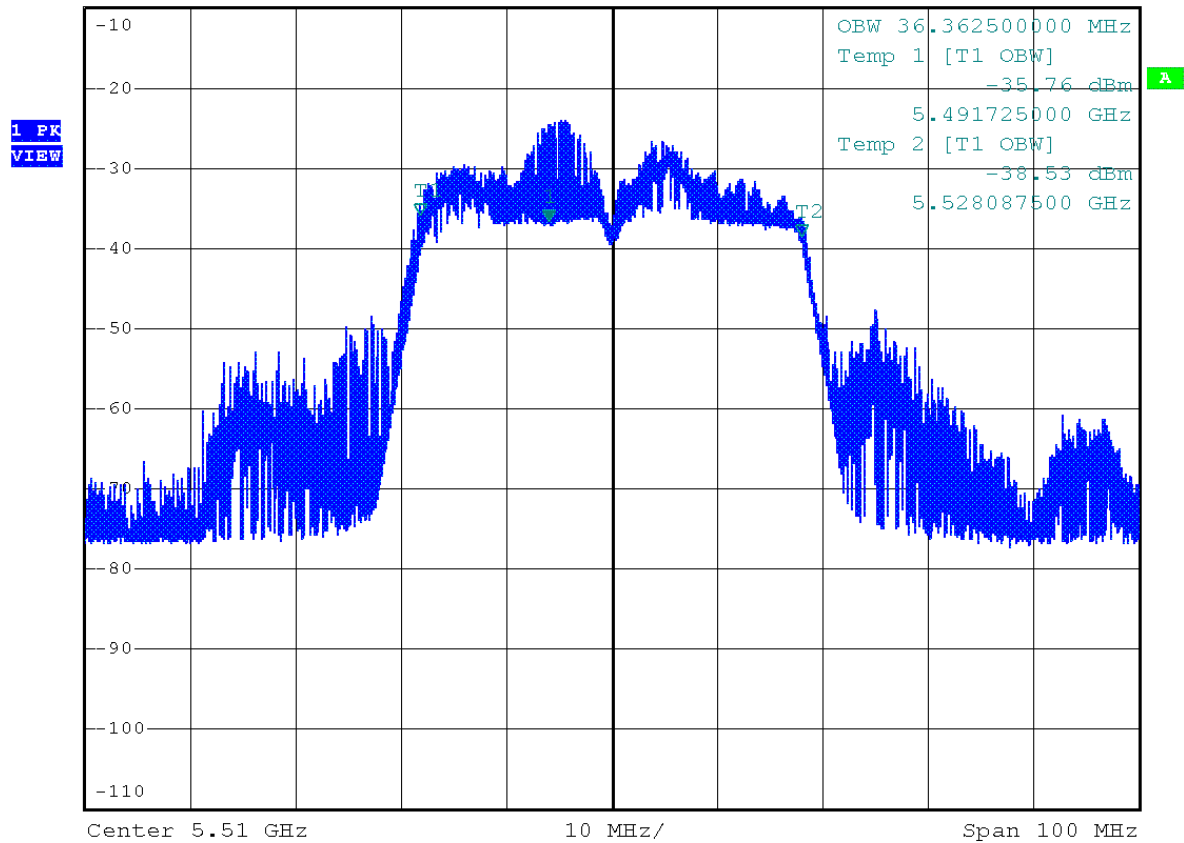


## 802.11ac (40MHz)

```

*RBW 1 MHz      Marker 1 [T1 ]
*VBW 3 MHz      -36.64 dBm
Ref -10 dBm     *Att 0 dB    *SWT 1 s      5.503912500 GHz

```



### U-NII 99% Channel bandwidth



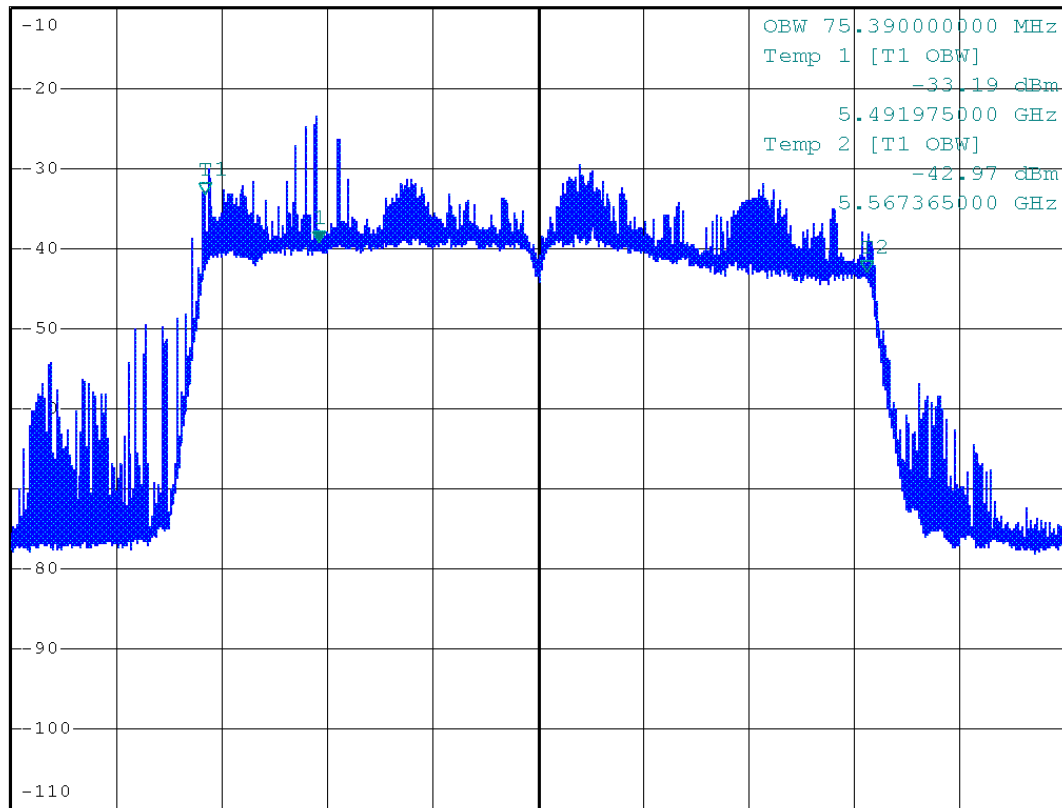
# 802.11ac (80MHz)



\*RBW 1 MHz      Marker 1 [T1 ]  
 \*VBW 3 MHz      -39.37 dBm  
 \*Att 0 dB      5.505000000 GHz  
 \*SWT 1 s

Ref -10 dBm

1 PK  
VIEW



Center 5.53 GHz      12 MHz/      Span 120 MHz

U-NII 99% Channel bandwidth

# Detection Bandwidth Test - 802.11ac (20MHz)

Radar Type 0

EUT Frequency: 5500MHz

EUT 99% Power bandwidth: 18.43MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 18.43MHz

Detection bandwidth (5512(FH) – 5488(FL)) : 24MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5487                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5488(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5489                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5490                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5510                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5511                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5512(FH)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5513                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |

# Detection Bandwidth Test - 802.11ac (40MHz)

Radar Type 0

EUT Frequency: 5510MHz

EUT 99% Power bandwidth: 36.36MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 36.36MHz

Detection bandwidth (5535(FH) – 5486(FL)) : 49MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5485                        | N                        | N | N | N | N | N | N | N | N | N  | 0                     |
| 5486(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5487                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5488                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5489                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5490                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5510                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5511                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5512                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5513                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5514                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5515                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5516                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5517                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5518                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5519                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5520                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5521                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5522                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5523                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5524                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5525                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5526                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5527                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5528                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5529                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |

|          |   |   |   |   |   |   |   |   |   |   |     |
|----------|---|---|---|---|---|---|---|---|---|---|-----|
| 5530     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5531     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5532     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5533     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5534     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5535(FH) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5536     | N | N | N | N | N | N | N | N | N | N | 0   |

# Detection Bandwidth Test - 802.11ac (80MHz)

Radar Type 0

EUT Frequency: 5530MHz

EUT 99% Power bandwidth: 75.39MHz

Detection bandwidth limit (100% of EUT 99% Power bandwidth): 75.39MHz

Detection bandwidth (5581(FH) – 5481(FL)) : 100MHz

Test Result : PASS

| Radar<br>Frequency<br>(MHz) | Trial Number / Detection |   |   |   |   |   |   |   |   |    | Detection<br>Rate (%) |
|-----------------------------|--------------------------|---|---|---|---|---|---|---|---|----|-----------------------|
|                             | 1                        | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |                       |
| 5480                        | N                        | N | N | Y | N | Y | N | N | N | N  | 20                    |
| 5481(FL)                    | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5482                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5483                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5484                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5485                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5486                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5487                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5488                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5489                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5490                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5491                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5492                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5493                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5494                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5495                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5496                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5497                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5498                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5499                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5500                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5501                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5502                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5503                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5504                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5505                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5506                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5507                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5508                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5509                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5510                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5511                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5512                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5513                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5514                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5515                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5516                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5517                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5518                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5519                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5520                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5521                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |
| 5522                        | Y                        | Y | Y | Y | Y | Y | Y | Y | Y | Y  | 100                   |

|      |   |   |   |   |   |   |   |   |   |   |     |
|------|---|---|---|---|---|---|---|---|---|---|-----|
| 5523 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5524 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5525 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5526 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5527 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5528 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5529 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5530 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5531 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5532 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5533 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5534 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5535 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5536 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5537 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5538 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5539 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5540 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5541 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5542 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5543 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5544 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5545 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5546 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5547 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5548 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5549 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5550 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5551 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5552 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5553 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5554 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5555 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5556 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5557 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5558 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5559 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5560 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5561 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5562 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5563 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5564 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5565 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5566 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5567 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5568 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5569 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5570 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5571 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5572 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5573 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |

|          |   |   |   |   |   |   |   |   |   |   |     |
|----------|---|---|---|---|---|---|---|---|---|---|-----|
| 5574     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5575     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5576     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5577     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5578     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5579     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5580     | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5581(FH) | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | 100 |
| 5582     | N | N | N | N | N | N | N | N | N | N | 0   |

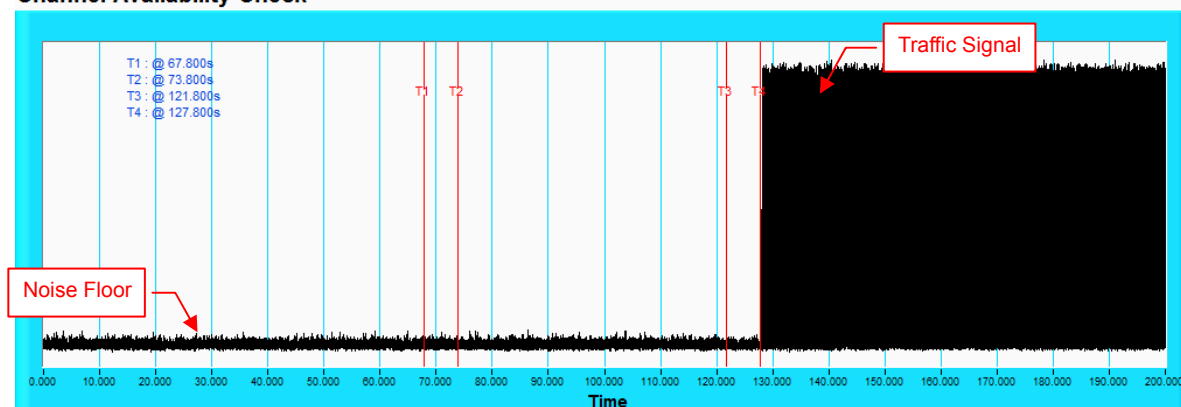
### 6.2.3 Channel Availability Check Time

If the EUT successfully detected the radar burst, it should be observed as the EUT has no transmissions occurred until the EUT starts transmitting on another channel.

| Timing of Radar Signal | Observation |                   |
|------------------------|-------------|-------------------|
|                        | EUT         | Spectrum Analyzer |
| Within 1 to 6 second   | Detected    | No transmissions  |
| Within 54 to 60 second | Detected    | No transmissions  |

### Initial Channel Availability Check Time

#### Channel Availability Check

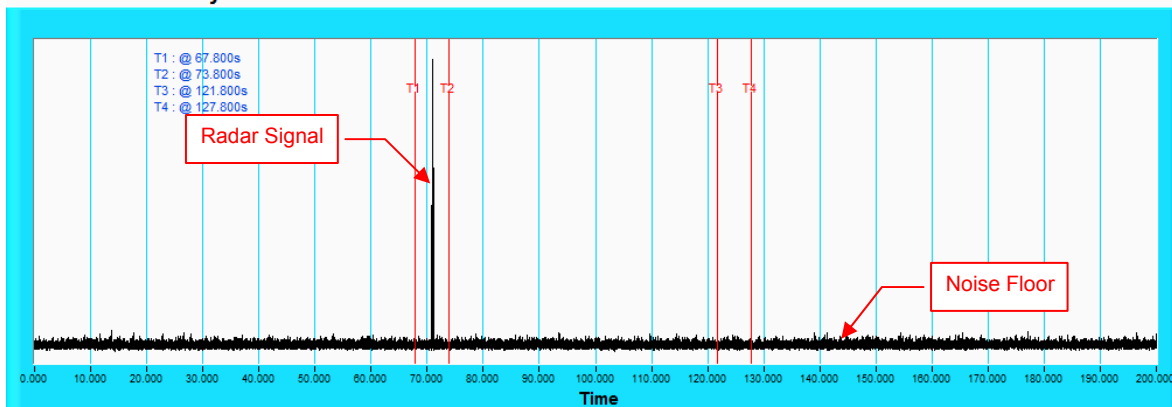


**NOTE:** T1 denotes the end of power-up time period is 67.8 second. T4 denotes the end of Channel Availability Check time is 127.8 second. Channel Availability Check time is equal to ( T4 – T1) 60 seconds.



## Radar Burst at the Beginning of the Channel Availability Check Time

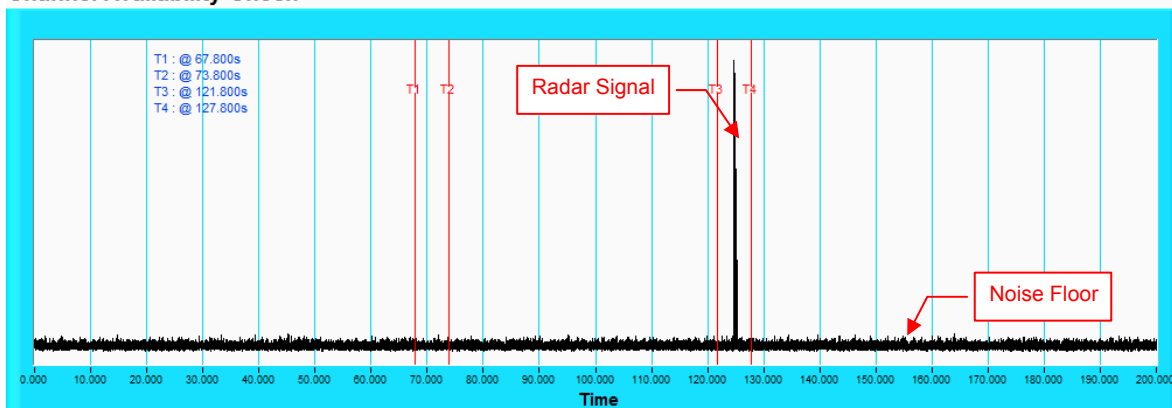
### Channel Availability Check



**NOTE:** T1 denotes the end of power up time period is 67.8 second. T2 denotes 73.8 second, the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T4 denotes the 127.8 second.

## End of the Channel Availability Check Time

### Channel Availability Check

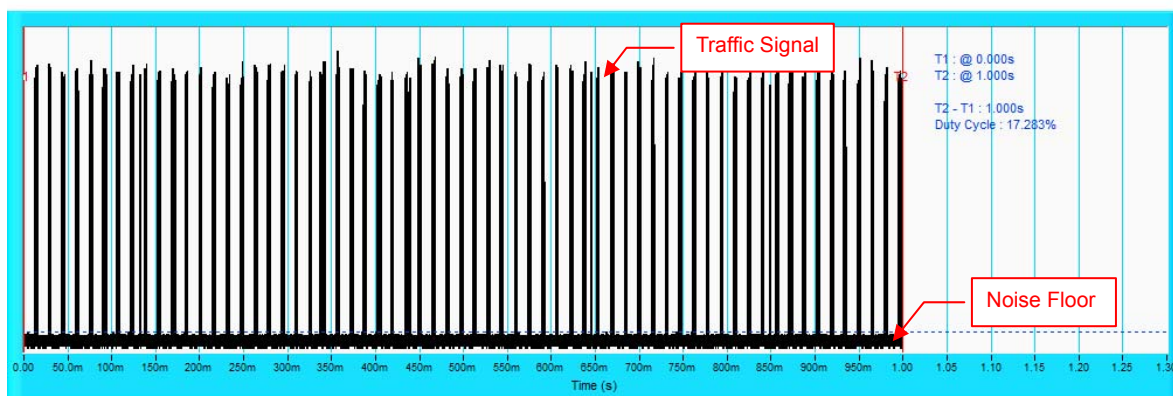


**NOTE:** T1 denotes the end of power up time period is 67.8 second. T3 denotes 121.8 second and radar burst was commenced within 54<sup>th</sup> second to 60<sup>th</sup> second window starting from the end of power-up sequence. T4 denotes the 127.8 second.

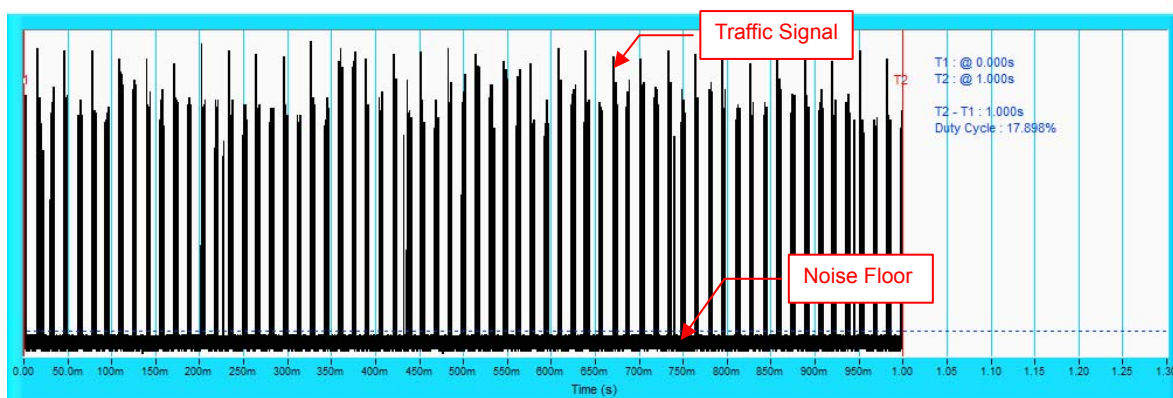
## 6.2.4 Channel Closing Transmission and Channel Move Time

### Wireless Traffic Loading

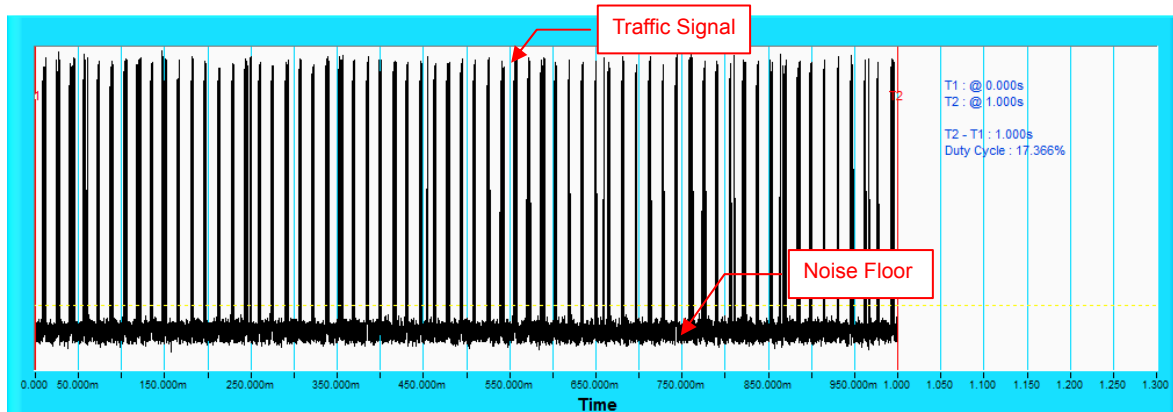
#### 802.11ac (20MHz)



#### 802.11ac (40MHz)



#### 802.11ac (80MHz)



### 802.11ac (20MHz)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec)                                                                                                                                                                                                                                                                 | PRI (μsec)                                                                                                                               | Number of Pulses | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------|----------------------------------------|
| 1                           | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>-----</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μsec, with a minimum increment of 1 μsec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \left\{ \frac{1}{360} \right\} \cdot \left\{ \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\} \right\}$ | 18               | 30                      | 93.3%                                  |
| 2                           | 1-5                                                                                                                                                                                                                                                                                | 150-230                                                                                                                                  | 23-29            | 30                      | 100%                                   |
| 3                           | 6-10                                                                                                                                                                                                                                                                               | 200-500                                                                                                                                  | 16-18            | 30                      | 96.7%                                  |
| 4                           | 11-20                                                                                                                                                                                                                                                                              | 200-500                                                                                                                                  | 12-16            | 30                      | 93.3%                                  |
| Aggregate (Radar Types 1-4) |                                                                                                                                                                                                                                                                                    |                                                                                                                                          |                  | 120                     | 95.8%                                  |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 96.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 100%                                   |

### 802.11ac (40MHz)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec)                                                                                                                                                                                                                                                                   | PRI (μsec)                                                                                                                        | Number of Pulses | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------|----------------------------------------|
| 1                           | <p>Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a</p> <p>-----</p> <p>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A</p> | $\text{Roundup} \left\{ \begin{array}{l} \frac{1}{360} \\ \frac{19 \cdot 10^6}{\text{PRI}_{\mu \text{sec}}} \end{array} \right\}$ | 18               | 30                      | 93.3%                                  |
| 2                           | 1-5                                                                                                                                                                                                                                                                                  | 150-230                                                                                                                           | 23-29            | 30                      | 100%                                   |
| 3                           | 6-10                                                                                                                                                                                                                                                                                 | 200-500                                                                                                                           | 16-18            | 30                      | 90%                                    |
| 4                           | 11-20                                                                                                                                                                                                                                                                                | 200-500                                                                                                                           | 12-16            | 30                      | 96.7%                                  |
| Aggregate (Radar Types 1-4) |                                                                                                                                                                                                                                                                                      |                                                                                                                                   |                  | 120                     | 95%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 96.7%                                  |

Table 3: Frequency Hopping Radar Test Waveform

| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 93.3%                                  |

### 802.11ac (80MHz)

Table 1: Short Pulse Radar Test Waveforms.

| Radar Type                  | Pulse Width (μsec)                                                                                                                                                                                                                                                    | PRI (μsec)                                                                                                                           | Number of Pulses | Number of Trials(Times) | Percentage of Successful Detection (%) |
|-----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------------|----------------------------------------|
| 1                           | Test A: 15 unique PRI values randomly selected from the list of 23 PRI values in Table 5a<br>-----<br>Test B: 15 unique PRI values randomly selected within the range of 518-3066 μ sec, with a minimum increment of 1 μ sec, excluding PRI values selected in Test A | $\text{Roundup} \left\{ \left( \frac{1}{360} \right)^* \right\}$ $\left\{ \frac{19 \cdot 10^6}{\text{PRI}_{\mu\text{sec}}} \right\}$ | 18               | 30                      | 100%                                   |
| 2                           | 1-5                                                                                                                                                                                                                                                                   | 150-230                                                                                                                              | 23-29            | 30                      | 93.3%                                  |
| 3                           | 6-10                                                                                                                                                                                                                                                                  | 200-500                                                                                                                              | 16-18            | 30                      | 96.7%                                  |
| 4                           | 11-20                                                                                                                                                                                                                                                                 | 200-500                                                                                                                              | 12-16            | 30                      | 90%                                    |
| Aggregate (Radar Types 1-4) |                                                                                                                                                                                                                                                                       |                                                                                                                                      |                  | 120                     | 95%                                    |

Table 2: Long Pulse Radar Test Waveform

| Radar Type | Pulse Width (μsec) | Chirp Width (MHz) | PRI (μsec) | Number of Pulses per Burst | Number of Bursts | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|-------------------|------------|----------------------------|------------------|-------------------------|----------------------------------------|
| 5          | 50-100             | 5-20              | 1000-2000  | 1-3                        | 8-20             | 30                      | 93.3%                                  |

Table 3: Frequency Hopping Radar Test Waveform

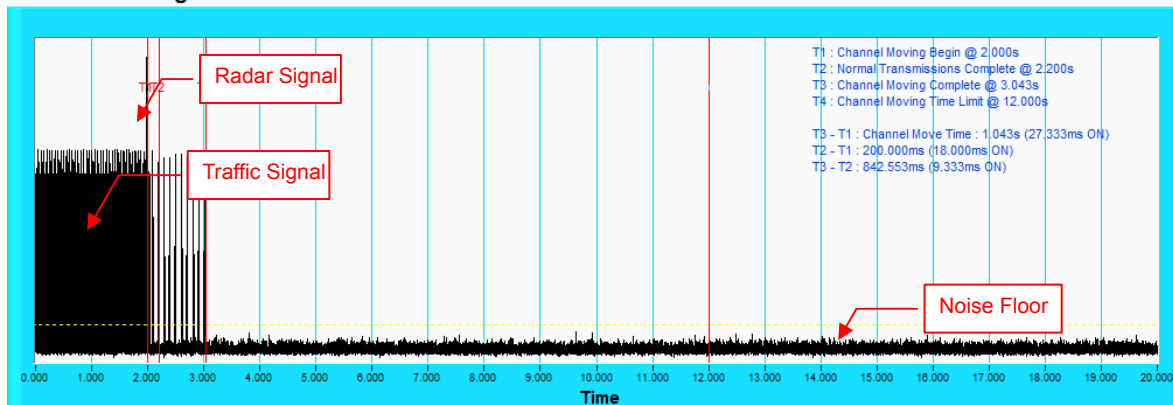
| Radar Type | Pulse Width (μsec) | PRI (μsec) | Pulses per Hop | Hopping Rate (kHz) | Hopping Sequence Length (msec) | Number of Trials(Times) | Percentage of Successful Detection (%) |
|------------|--------------------|------------|----------------|--------------------|--------------------------------|-------------------------|----------------------------------------|
| 6          | 1                  | 333        | 9              | 0.333              | 300                            | 30                      | 90%                                    |



## Radar signal 0

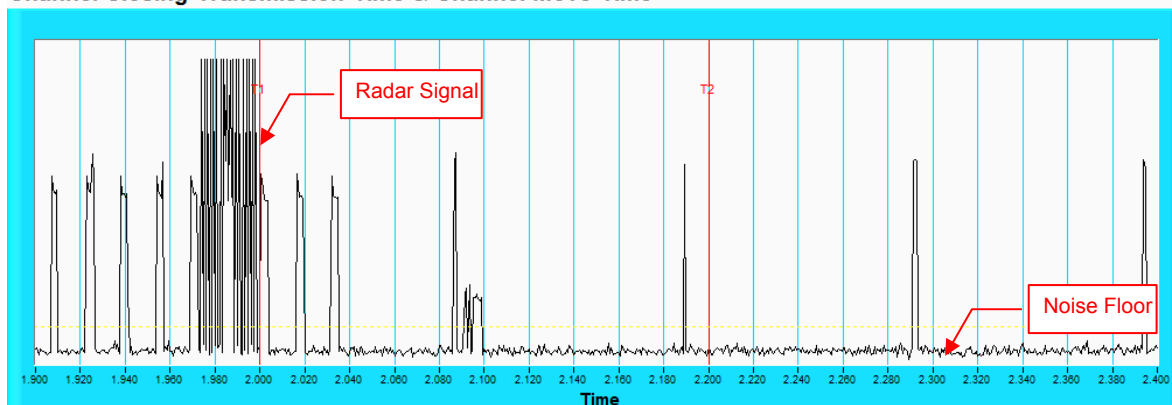
802.11ac (20MHz)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

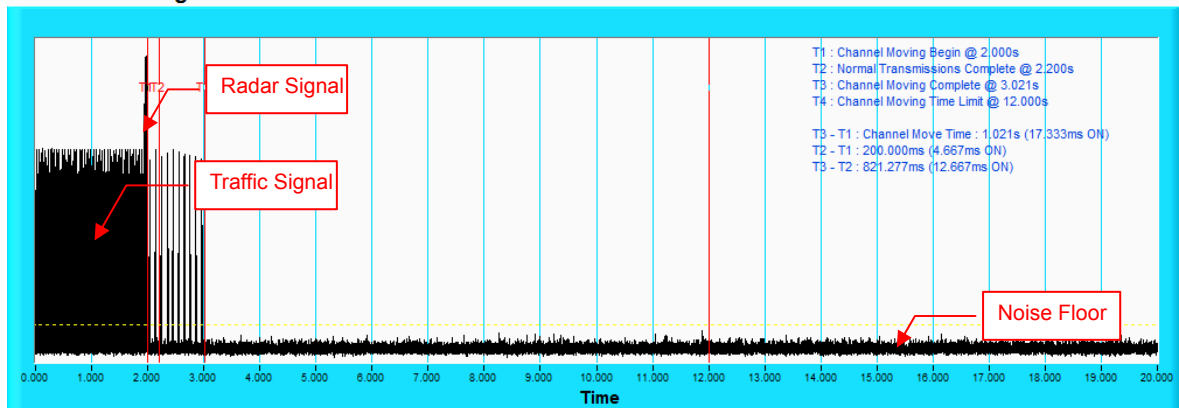


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 1

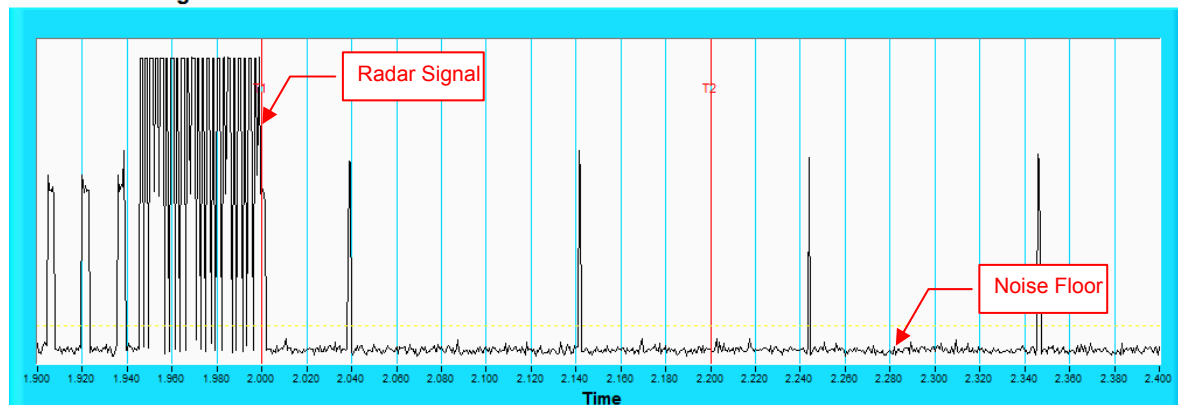
802.11ac (20MHz)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

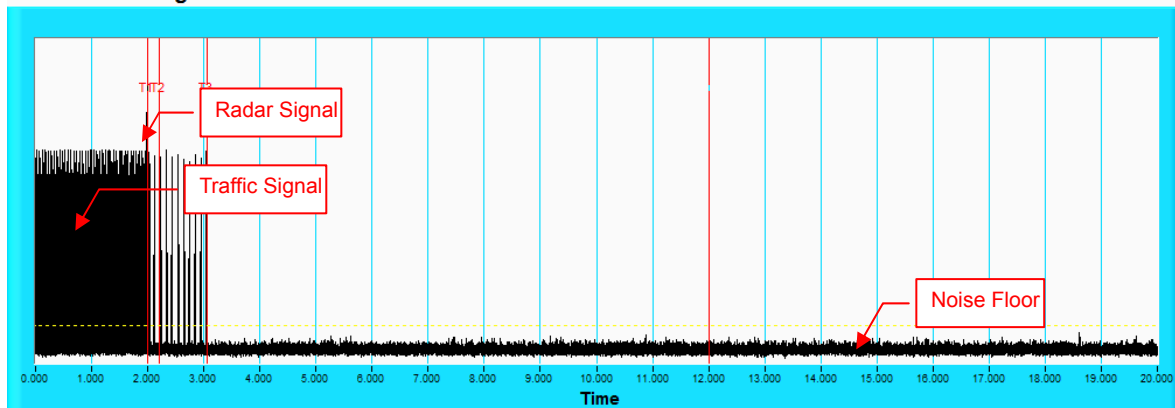


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 2

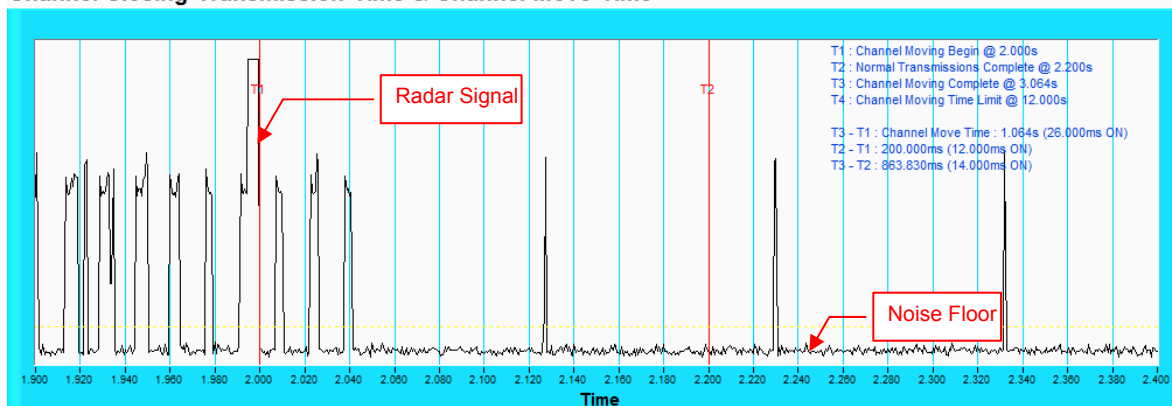
802.11ac (20MHz)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

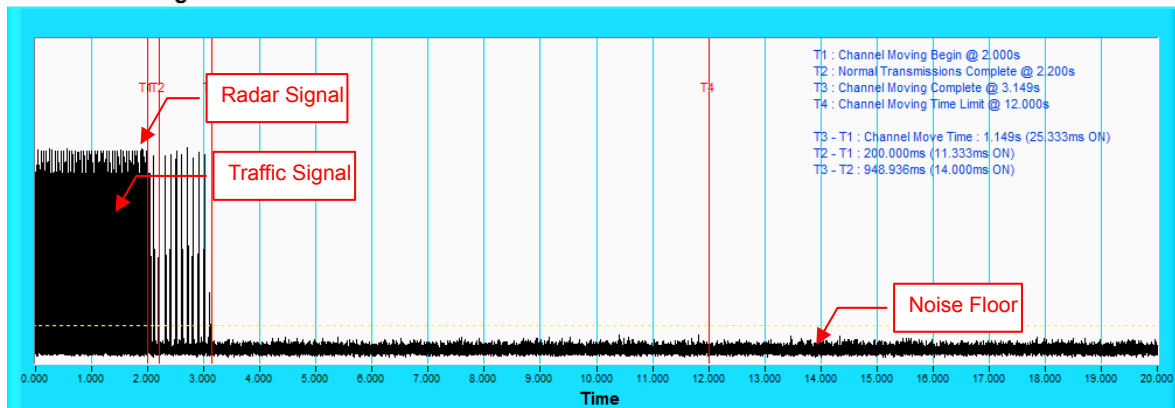


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 3

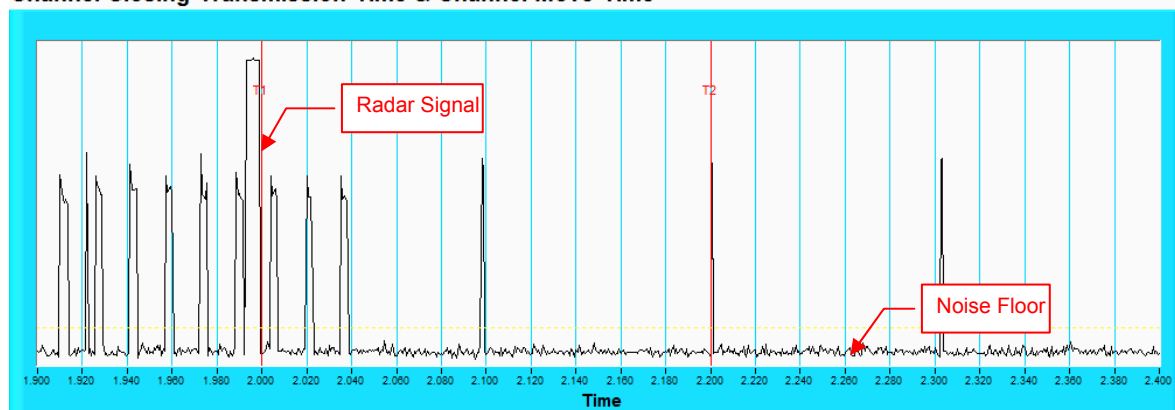
802.11ac (20MHz)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

### Channel Closing Transmission Time & Channel Move Time

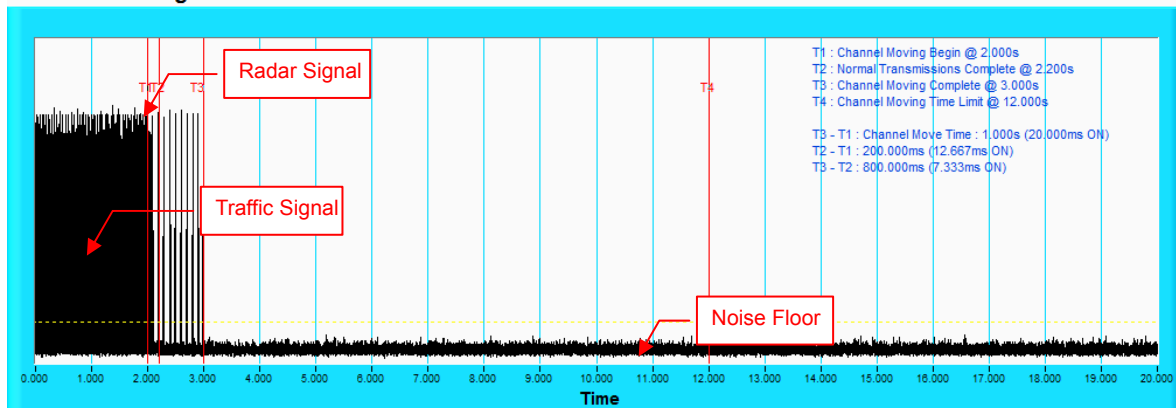


**NOTE:** Room-in of the first 500ms after radar signal applied.

## Radar signal 4

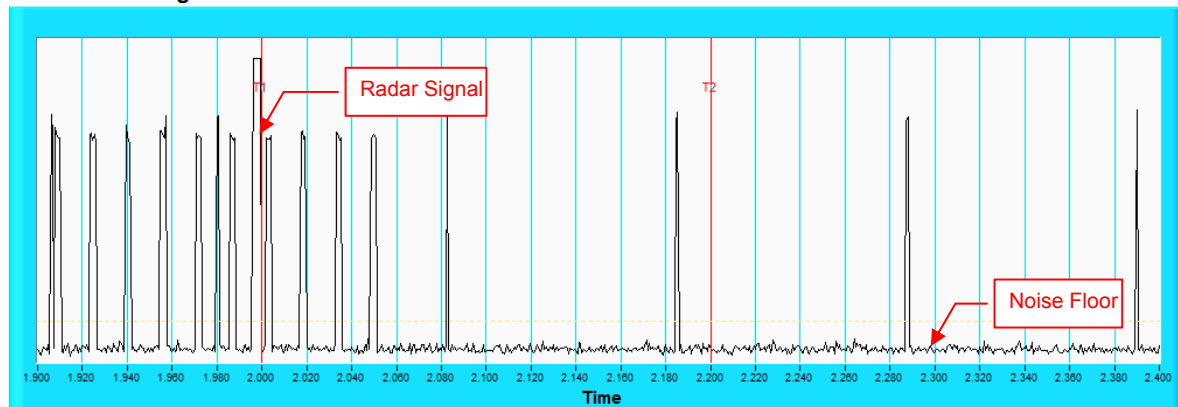
802.11ac (20MHz)

### Channel Closing Transmission Time & Channel Move Time



**NOTE:** T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

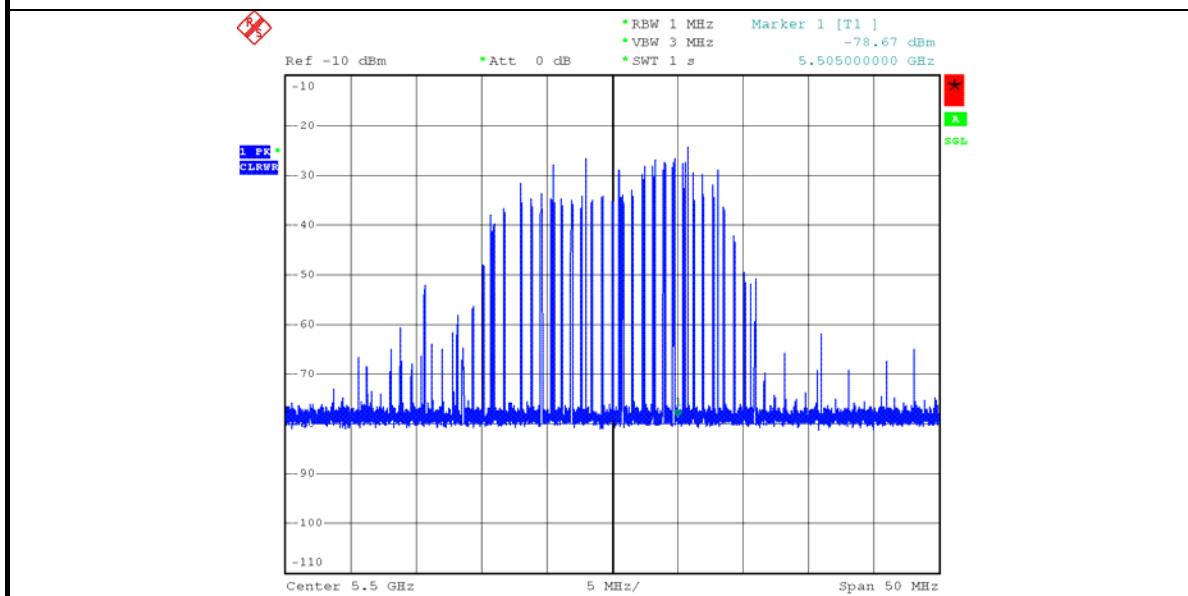
### Channel Closing Transmission Time & Channel Move Time



**NOTE:** Room-in of the first 500ms after radar signal applied.

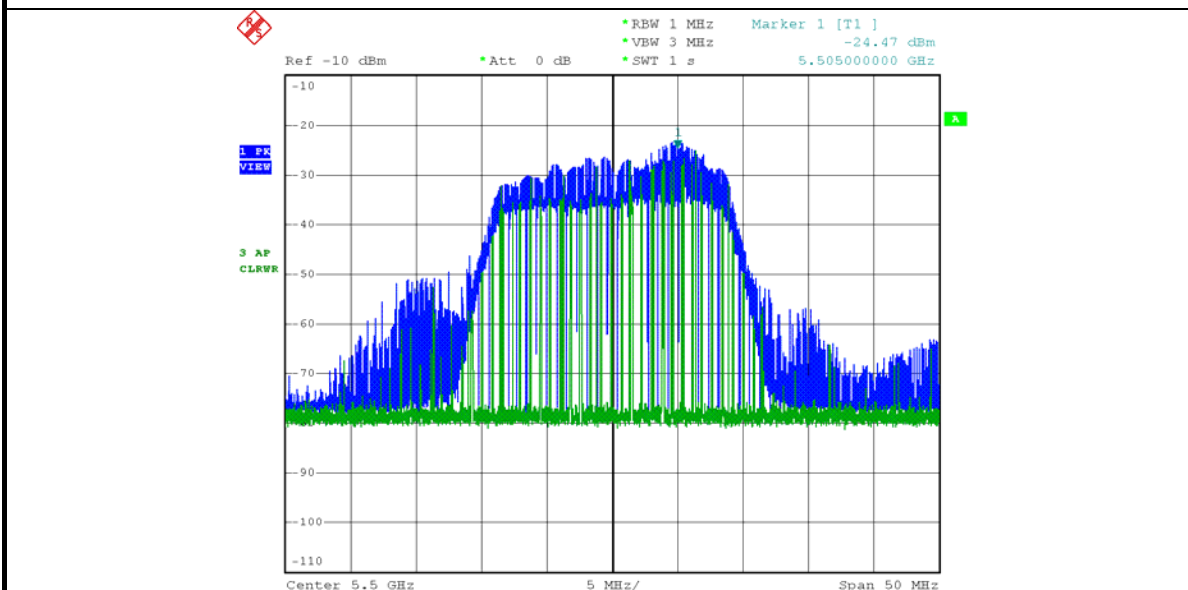
## 6.2.5 Non- Occupancy Period

1) Test results demonstrating an associated client link is established with the master on a test frequency.



EUT (master) links with Client on 5500MHz

2) The master and DFS-certified client device are associated, and system testing will be performed with channel-loading for a non-occupancy period test.

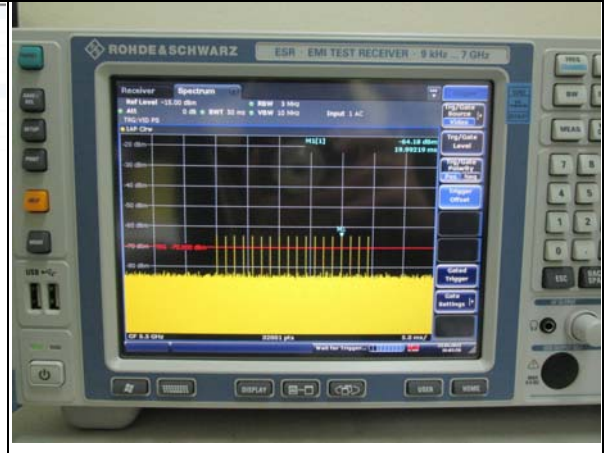


Client performed with channel-loading via master.

3). The device transmits one type of radar as specified in the DFS Order.

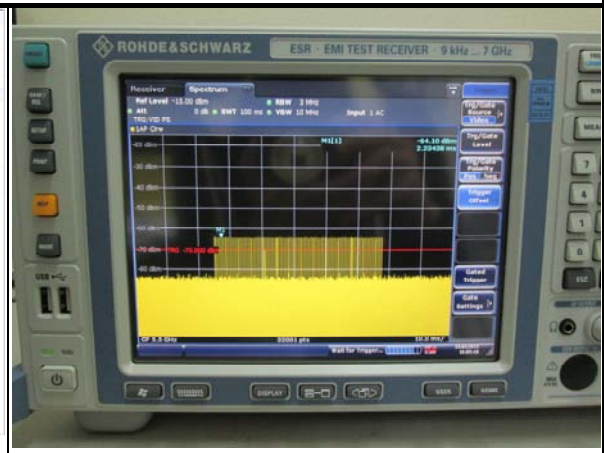
**Radar 0 is used to test during DFS testing.**

|                                |             |
|--------------------------------|-------------|
| <b>1. Basic</b>                |             |
| Trial ID#                      | 0 ~ 29      |
| Number of Trials               | 30          |
| Interval Between Trials        | 0.0000000 s |
| Radar Type                     | Type 0      |
| Standard Version               | FCC-13-22   |
| <b>2. Signal Configuration</b> |             |
| Pulse Width                    | 1.0 us      |
| PRF                            | 1420.0 us   |
| Number of Pulses per Burst     | 10          |
| Number of Bursts               | 1           |



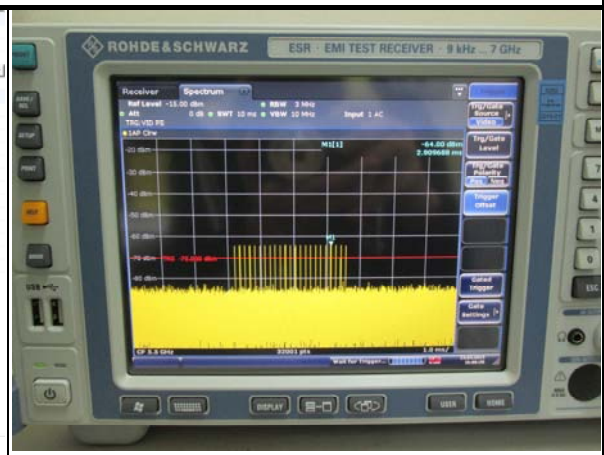
**Radar 1 is used to test during DFS testing.**

|                                |             |
|--------------------------------|-------------|
| <b>1. Basic</b>                |             |
| Trial ID#                      | 0 ~ 29      |
| Number of Trials               | 30          |
| Interval Between Trials        | 0.0000000 s |
| Radar Type                     | Type 1      |
| Standard Version               | FCC-13-22   |
| <b>2. Signal Configuration</b> |             |
| Pulse Width                    | 1.0 us      |
| PRF                            | 1.0 us      |
| Step                           | 518.0 us    |
| Min                            | 3066.0 us   |
| Max                            |             |
| Number of Pulses per Burst     | 1           |
| Step                           | 1           |
| Min                            | 10          |
| Max                            | 102         |
| Number of Bursts               | 1           |



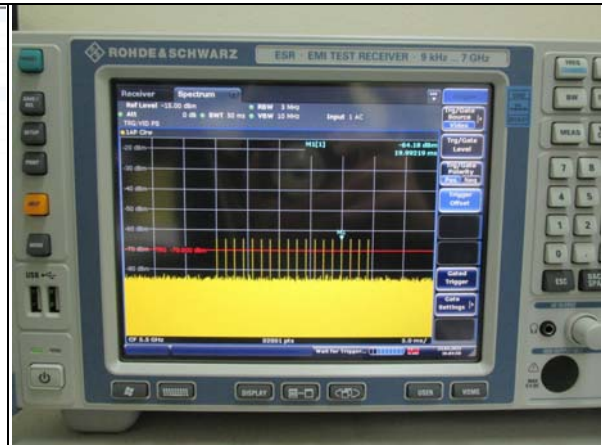
**Radar 2 is used to test during DFS testing.**

|                                |             |
|--------------------------------|-------------|
| <b>1. Basic</b>                |             |
| Trial ID#                      | 0 ~ 29      |
| Number of Trials               | 30          |
| Interval Between Trials        | 0.0000000 s |
| Radar Type                     | Type 2      |
| Standard Version               | FCC-13-22   |
| <b>2. Signal Configuration</b> |             |
| Pulse Width                    | 0.1 us      |
| Step                           | 1.0 us      |
| Min                            | 150.0 us    |
| Max                            | 230.0 us    |
| PRF                            | 1.0 us      |
| Step                           | 1           |
| Min                            | 23          |
| Max                            | 29          |
| Number of Pulses per Burst     | 1           |
| Step                           | 1           |
| Min                            | 1           |
| Max                            | 1           |
| Number of Bursts               | 1           |



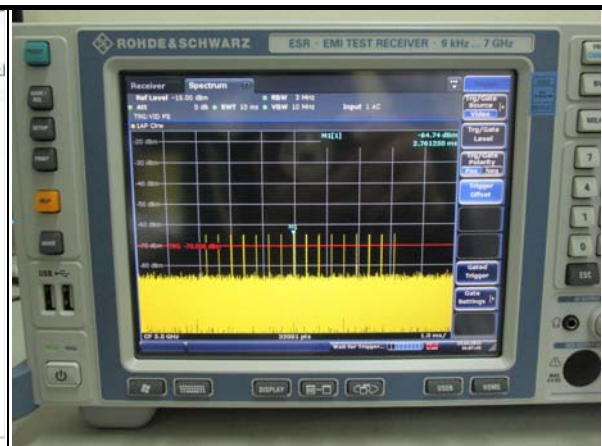
### Radar 3 is used to test during DFS testing.

|                                |            |
|--------------------------------|------------|
| <b>1. Basic</b>                |            |
| Trial ID#                      | 0 ~ 29     |
| Number of Trials               | 30         |
| Interval Between Trials        | 0.000000 s |
| Radar Type                     | Type 0     |
| Standard Version               | FCC-13-22  |
| <b>2. Signal Configuration</b> |            |
| Pulse Width                    | 1.0 us     |
| PRF                            | 1428.0 us  |
| Number of Pulses per Burst     | 18         |
| Number of Bursts               | 1          |



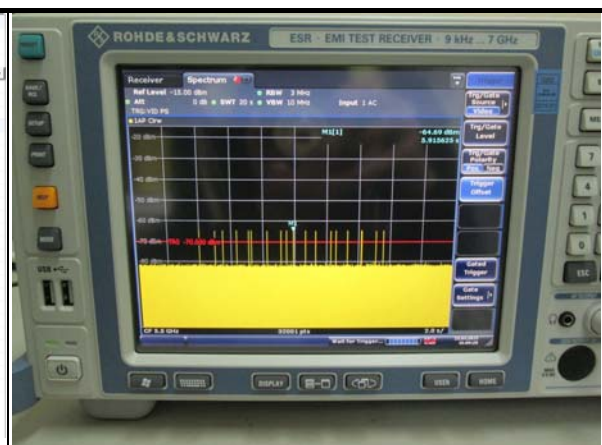
### Radar 4 is used to test during DFS testing.

|                                |            |
|--------------------------------|------------|
| <b>1. Basic</b>                |            |
| Trial ID#                      | 0 ~ 29     |
| Number of Trials               | 30         |
| Interval Between Trials        | 0.000000 s |
| Radar Type                     | Type 3     |
| Standard Version               | FCC-13-22  |
| <b>2. Signal Configuration</b> |            |
| Pulse Width                    | 0.1 us     |
| Step                           | 6.0 us     |
| Min                            | 10.0 us    |
| Max                            | 10.0 us    |
| PRF                            | 1.0 us     |
| Step                           | 200.0 us   |
| Min                            | 500.0 us   |
| Max                            | 500.0 us   |
| Number of Pulses per Burst     | 1          |
| Step                           | 16         |
| Min                            | 18         |
| Max                            | 18         |
| Number of Bursts               | 1          |



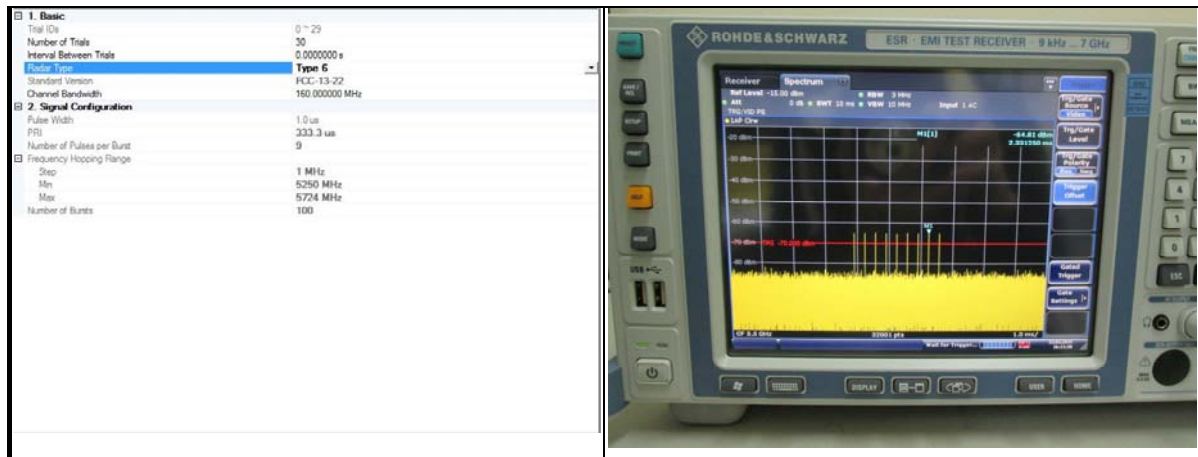
### Radar 5 is used to test during DFS testing.

|                                |                |
|--------------------------------|----------------|
| <b>1. Basic</b>                |                |
| Trial ID#                      | 0 ~ 29         |
| Number of Trials               | 30             |
| Interval Between Trials        | 0.000000 s     |
| Radar Type                     | Type 5         |
| Standard Version               | FCC-13-22      |
| UUT Channel Center Frequency   | 5.50000000 GHz |
| Radar Detection Bandwidth      | 5.000000 MHz   |
| <b>2. Signal Configuration</b> |                |
| Pulse Width                    | 0.1 us         |
| Step                           | 50.0 us        |
| Min                            | 100.0 us       |
| Max                            | 100.0 us       |
| PRF                            | 1.0 us         |
| Step                           | 1000.0 us      |
| Min                            | 2000.0 us      |
| Max                            | 2000.0 us      |
| Number of Pulses per Burst     | 1              |
| Step                           | 1              |
| Min                            | 3              |
| Max                            | 3              |
| Number of Bursts               | 1              |
| Step                           | 8              |
| Min                            | 20             |
| Max                            | 20             |
| Chop Width                     | 1 MHz          |
| Step                           | 5 MHz          |
| Min                            | 20 MHz         |
| Max                            | 20 MHz         |



### Radar 6 is used to test during DFS testing.

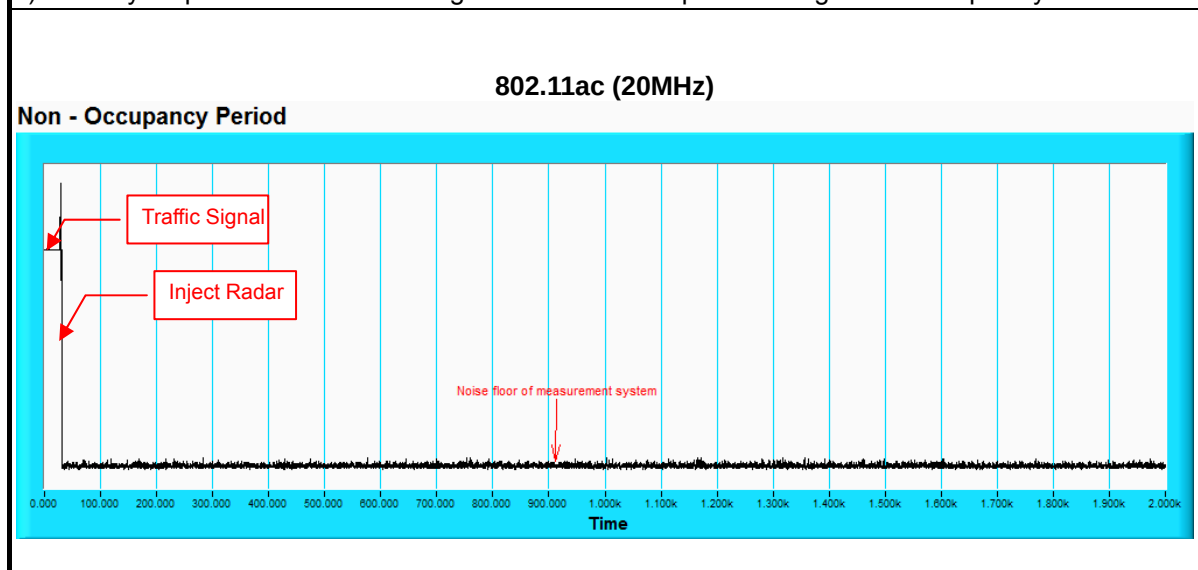




4) The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes;

Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear;

5) An analyzer plot that contains a single 30-minute sweep on the original test frequency.



## 7. Information on The Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved according to ISO/IEC 17025.

If you have any comments, please feel free to contact us at the following:

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The address and road map of all our labs can be found in our web site also.

## Annex-A

### Annex A.1 : The Detailed Radar pattern and Statistical Performance

#### IEEE 802.11AN 20MHz

Type 1 Radar Statistical Performances

EUT Test Frequency: 5500MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 102              | 1.0u            | 518.0u  | 5500MHz         | Yes       |
| 2       | 99               | 1.0u            | 538.0u  | 5501MHz         | Yes       |
| 3       | 95               | 1.0u            | 558.0u  | 5502MHz         | Yes       |
| 4       | 92               | 1.0u            | 578.0u  | 5503MHz         | Yes       |
| 5       | 89               | 1.0u            | 598.0u  | 5504MHz         | Yes       |
| 6       | 86               | 1.0u            | 618.0u  | 5505MHz         | Yes       |
| 7       | 83               | 1.0u            | 638.0u  | 5506MHz         | Yes       |
| 8       | 81               | 1.0u            | 658.0u  | 5507MHz         | Yes       |
| 9       | 78               | 1.0u            | 678.0u  | 5508MHz         | Yes       |
| 10      | 76               | 1.0u            | 698.0u  | 5509MHz         | Yes       |
| 11      | 74               | 1.0u            | 718.0u  | 5500MHz         | Yes       |
| 12      | 72               | 1.0u            | 738.0u  | 5499MHz         | Yes       |
| 13      | 70               | 1.0u            | 758.0u  | 5498MHz         | No        |
| 14      | 68               | 1.0u            | 778.0u  | 5497MHz         | Yes       |
| 15      | 67               | 1.0u            | 798.0u  | 5496MHz         | Yes       |
| 16      | 68               | 1.0u            | 787.0u  | 5495MHz         | Yes       |
| 17      | 75               | 1.0u            | 707.0u  | 5494MHz         | Yes       |
| 18      | 80               | 1.0u            | 667.0u  | 5493MHz         | Yes       |
| 19      | 87               | 1.0u            | 613.0u  | 5492MHz         | Yes       |
| 20      | 86               | 1.0u            | 617.0u  | 5491MHz         | Yes       |
| 21      | 76               | 1.0u            | 697.0u  | 5500MHz         | Yes       |
| 22      | 57               | 1.0u            | 939.0u  | 5501MHz         | Yes       |
| 23      | 58               | 1.0u            | 917.0u  | 5502MHz         | Yes       |
| 24      | 65               | 1.0u            | 817.0u  | 5503MHz         | No        |
| 25      | 83               | 1.0u            | 643.0u  | 5504MHz         | Yes       |
| 26      | 94               | 1.0u            | 563.0u  | 5499MHz         | Yes       |
| 27      | 88               | 1.0u            | 605.0u  | 5498MHz         | Yes       |
| 28      | 64               | 1.0u            | 825.0u  | 5497MHz         | Yes       |
| 29      | 96               | 1.0u            | 555.0u  | 5496MHz         | Yes       |
| 30      | 67               | 1.0u            | 799.0u  | 5495MHz         | Yes       |

Detection Rate: 93.3 %

## Type 2 Radar Statistical Performances

EUT Test Frequency: 5500MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 29               | 4.8u            | 194.0u  | 5500MHz         | Yes       |
| 2       | 29               | 1.1u            | 168.0u  | 5501MHz         | Yes       |
| 3       | 25               | 2.1u            | 162.0u  | 5502MHz         | Yes       |
| 4       | 28               | 3.2u            | 179.0u  | 5503MHz         | Yes       |
| 5       | 28               | 1.1u            | 152.0u  | 5504MHz         | Yes       |
| 6       | 26               | 4.0u            | 213.0u  | 5505MHz         | Yes       |
| 7       | 23               | 1.6u            | 230.0u  | 5506MHz         | Yes       |
| 8       | 28               | 4.0u            | 213.0u  | 5507MHz         | Yes       |
| 9       | 27               | 1.5u            | 184.0u  | 5508MHz         | Yes       |
| 10      | 27               | 1.0u            | 181.0u  | 5509MHz         | Yes       |
| 11      | 29               | 1.7u            | 196.0u  | 5500MHz         | Yes       |
| 12      | 25               | 1.9u            | 196.0u  | 5499MHz         | Yes       |
| 13      | 27               | 4.4u            | 223.0u  | 5498MHz         | Yes       |
| 14      | 24               | 2.6u            | 200.0u  | 5497MHz         | Yes       |
| 15      | 28               | 2.6u            | 175.0u  | 5496MHz         | Yes       |
| 16      | 27               | 1.3u            | 182.0u  | 5495MHz         | Yes       |
| 17      | 27               | 1.6u            | 154.0u  | 5494MHz         | Yes       |
| 18      | 23               | 1.9u            | 185.0u  | 5493MHz         | Yes       |
| 19      | 28               | 2.4u            | 207.0u  | 5492MHz         | Yes       |
| 20      | 23               | 1.0u            | 180.0u  | 5491MHz         | Yes       |
| 21      | 24               | 1.2u            | 201.0u  | 5500MHz         | Yes       |
| 22      | 25               | 1.4u            | 176.0u  | 5501MHz         | Yes       |
| 23      | 27               | 3.5u            | 209.0u  | 5502MHz         | Yes       |
| 24      | 27               | 1.9u            | 223.0u  | 5503MHz         | Yes       |
| 25      | 26               | 2.5u            | 188.0u  | 5504MHz         | Yes       |
| 26      | 24               | 4.5u            | 186.0u  | 5499MHz         | Yes       |
| 27      | 25               | 2.7u            | 226.0u  | 5498MHz         | Yes       |
| 28      | 24               | 3.9u            | 218.0u  | 5497MHz         | Yes       |
| 29      | 23               | 3.7u            | 199.0u  | 5496MHz         | Yes       |
| 30      | 28               | 1.5u            | 228.0u  | 5495MHz         | Yes       |

Detection Rate: 100.0 %

### Type 3 Radar Statistical Performances

EUT Test Frequency: 5500MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 16               | 10.0u           | 402.0u  | 5500MHz         | Yes       |
| 2       | 16               | 7.7u            | 239.0u  | 5501MHz         | Yes       |
| 3       | 17               | 6.2u            | 255.0u  | 5502MHz         | Yes       |
| 4       | 16               | 9.8u            | 484.0u  | 5503MHz         | Yes       |
| 5       | 16               | 9.6u            | 225.0u  | 5504MHz         | Yes       |
| 6       | 17               | 7.2u            | 255.0u  | 5505MHz         | Yes       |
| 7       | 16               | 6.7u            | 419.0u  | 5506MHz         | Yes       |
| 8       | 18               | 7.2u            | 479.0u  | 5507MHz         | Yes       |
| 9       | 18               | 9.3u            | 289.0u  | 5508MHz         | Yes       |
| 10      | 16               | 9.2u            | 246.0u  | 5509MHz         | Yes       |
| 11      | 16               | 6.7u            | 338.0u  | 5500MHz         | Yes       |
| 12      | 17               | 7.2u            | 400.0u  | 5499MHz         | Yes       |
| 13      | 17               | 7.3u            | 496.0u  | 5498MHz         | Yes       |
| 14      | 18               | 7.1u            | 380.0u  | 5497MHz         | No        |
| 15      | 17               | 9.8u            | 201.0u  | 5496MHz         | Yes       |
| 16      | 17               | 8.6u            | 380.0u  | 5495MHz         | Yes       |
| 17      | 17               | 8.7u            | 467.0u  | 5494MHz         | Yes       |
| 18      | 18               | 6.7u            | 218.0u  | 5493MHz         | Yes       |
| 19      | 17               | 7.9u            | 414.0u  | 5492MHz         | Yes       |
| 20      | 18               | 7.9u            | 464.0u  | 5491MHz         | Yes       |
| 21      | 16               | 7.1u            | 490.0u  | 5500MHz         | Yes       |
| 22      | 17               | 9.8u            | 480.0u  | 5501MHz         | Yes       |
| 23      | 16               | 7.1u            | 236.0u  | 5502MHz         | Yes       |
| 24      | 17               | 7.5u            | 283.0u  | 5503MHz         | Yes       |
| 25      | 16               | 8.5u            | 482.0u  | 5504MHz         | Yes       |
| 26      | 17               | 7.9u            | 252.0u  | 5499MHz         | Yes       |
| 27      | 16               | 8.7u            | 205.0u  | 5498MHz         | Yes       |
| 28      | 17               | 8.6u            | 432.0u  | 5497MHz         | Yes       |
| 29      | 17               | 9.7u            | 225.0u  | 5496MHz         | Yes       |
| 30      | 17               | 6.9u            | 310.0u  | 5495MHz         | Yes       |

Detection Rate: 96.7 %

## Type 4 Radar Statistical Performances

EUT Test Frequency: 5500MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 13               | 14.8u           | 419.0u  | 5500MHz         | Yes       |
| 2       | 13               | 12.4u           | 334.0u  | 5501MHz         | Yes       |
| 3       | 13               | 12.7u           | 226.0u  | 5502MHz         | Yes       |
| 4       | 15               | 15.3u           | 375.0u  | 5503MHz         | Yes       |
| 5       | 14               | 19.6u           | 245.0u  | 5504MHz         | Yes       |
| 6       | 15               | 13.9u           | 452.0u  | 5505MHz         | Yes       |
| 7       | 15               | 17.2u           | 358.0u  | 5506MHz         | Yes       |
| 8       | 16               | 13.8u           | 373.0u  | 5507MHz         | Yes       |
| 9       | 13               | 18.3u           | 365.0u  | 5508MHz         | Yes       |
| 10      | 13               | 13.9u           | 259.0u  | 5509MHz         | Yes       |
| 11      | 13               | 16.4u           | 275.0u  | 5500MHz         | Yes       |
| 12      | 15               | 15.0u           | 244.0u  | 5499MHz         | No        |
| 13      | 15               | 12.3u           | 339.0u  | 5498MHz         | Yes       |
| 14      | 16               | 15.5u           | 400.0u  | 5497MHz         | Yes       |
| 15      | 14               | 12.6u           | 369.0u  | 5496MHz         | No        |
| 16      | 13               | 11.2u           | 469.0u  | 5495MHz         | Yes       |
| 17      | 12               | 11.1u           | 448.0u  | 5494MHz         | Yes       |
| 18      | 15               | 19.0u           | 453.0u  | 5493MHz         | Yes       |
| 19      | 16               | 14.3u           | 357.0u  | 5492MHz         | Yes       |
| 20      | 15               | 17.6u           | 434.0u  | 5491MHz         | Yes       |
| 21      | 16               | 17.0u           | 463.0u  | 5500MHz         | Yes       |
| 22      | 14               | 18.2u           | 431.0u  | 5501MHz         | Yes       |
| 23      | 13               | 12.6u           | 232.0u  | 5502MHz         | Yes       |
| 24      | 13               | 11.2u           | 283.0u  | 5503MHz         | Yes       |
| 25      | 12               | 14.0u           | 272.0u  | 5504MHz         | Yes       |
| 26      | 15               | 11.8u           | 297.0u  | 5499MHz         | Yes       |
| 27      | 13               | 18.0u           | 232.0u  | 5498MHz         | Yes       |
| 28      | 13               | 17.7u           | 313.0u  | 5497MHz         | Yes       |
| 29      | 13               | 16.7u           | 282.0u  | 5496MHz         | Yes       |
| 30      | 16               | 13.6u           | 267.0u  | 5495MHz         | Yes       |

Detection Rate: 93.3 %

## Type 5 Radar Statistical Performances

EUT Test Frequency: 5500MHz

| Trial # | Test Signal Name | Detection              |
|---------|------------------|------------------------|
| 1       | LP_Signal_01     | Yes                    |
| 2       | LP_Signal_02     | Yes                    |
| 3       | LP_Signal_03     | Yes                    |
| 4       | LP_Signal_04     | Yes                    |
| 5       | LP_Signal_05     | Yes                    |
| 6       | LP_Signal_06     | Yes                    |
| 7       | LP_Signal_07     | Yes                    |
| 8       | LP_Signal_08     | Yes                    |
| 9       | LP_Signal_09     | Yes                    |
| 10      | LP_Signal_10     | Yes                    |
| 11      | LP_Signal_11     | Yes                    |
| 12      | LP_Signal_12     | Yes                    |
| 13      | LP_Signal_13     | Yes                    |
| 14      | LP_Signal_14     | Yes                    |
| 15      | LP_Signal_15     | Yes                    |
| 16      | LP_Signal_16     | Yes                    |
| 17      | LP_Signal_17     | No                     |
| 18      | LP_Signal_18     | Yes                    |
| 19      | LP_Signal_19     | Yes                    |
| 20      | LP_Signal_20     | Yes                    |
| 21      | LP_Signal_21     | Yes                    |
| 22      | LP_Signal_22     | Yes                    |
| 23      | LP_Signal_23     | Yes                    |
| 24      | LP_Signal_24     | Yes                    |
| 25      | LP_Signal_25     | Yes                    |
| 26      | LP_Signal_26     | Yes                    |
| 27      | LP_Signal_27     | Yes                    |
| 28      | LP_Signal_28     | Yes                    |
| 29      | LP_Signal_29     | Yes                    |
| 30      | LP_Signal_30     | Yes                    |
|         |                  | Detection Rate: 96.7 % |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_01

Number of Bursts in Trial: 9

Chirp Center Frequency: 5492MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 9M         | 70.7u           | 1.655m                   | -                        | 748.6m             |
| 2     | 1                | 7M         | 61.6u           | -                        | -                        | 368.1m             |
| 3     | 3                | 7M         | 80.1u           | 1.417m                   | 1.424m                   | 965.4m             |
| 4     | 2                | 6M         | 62.7u           | 1.219m                   | -                        | 113.2m             |
| 5     | 3                | 5M         | 66.2u           | 949.8u                   | 1.859m                   | 1.277              |
| 6     | 1                | 17M        | 68.1u           | -                        | -                        | 663.1m             |
| 7     | 1                | 10M        | 99.3u           | -                        | -                        | 907.6m             |
| 8     | 1                | 9M         | 74.9u           | -                        | -                        | 1.254              |
| 9     | 3                | 16M        | 83.5u           | 1.200m                   | 1.643m                   | 69.81m             |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_02

Number of Bursts in Trial: 19

Chirp Center Frequency: 5493MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 11M        | 98.7u           | 1.382m                   | -                        | 330.9m             |
| 2     | 1                | 6M         | 52.1u           | -                        | -                        | 550.8m             |
| 3     | 3                | 7M         | 74.7u           | 956.3u                   | 1.574m                   | 291.7m             |
| 4     | 2                | 12M        | 66.1u           | 1.877m                   | -                        | 299.0m             |
| 5     | 2                | 18M        | 83.2u           | 1.178m                   | -                        | 477.2m             |
| 6     | 1                | 19M        | 64.3u           | -                        | -                        | 159.1m             |
| 7     | 2                | 5M         | 99.3u           | 1.474m                   | -                        | 29.54m             |
| 8     | 1                | 20M        | 72.2u           | -                        | -                        | 518.6m             |
| 9     | 3                | 12M        | 95.9u           | 1.812m                   | 1.075m                   | 464.4m             |
| 10    | 2                | 11M        | 75.2u           | 925.8u                   | -                        | 416.8m             |
| 11    | 3                | 17M        | 55.6u           | 1.547m                   | 1.215m                   | 552.6m             |
| 12    | 2                | 9M         | 69.5u           | 1.404m                   | -                        | 180.7m             |
| 13    | 2                | 19M        | 69.6u           | 1.384m                   | -                        | 434.8m             |
| 14    | 1                | 9M         | 68.4u           | -                        | -                        | 390.5m             |
| 15    | 1                | 13M        | 96.0u           | -                        | -                        | 309.1m             |
| 16    | 3                | 12M        | 84.9u           | 1.364m                   | 1.686m                   | 145.8m             |
| 17    | 2                | 17M        | 59.4u           | 1.591m                   | -                        | 16.74m             |
| 18    | 3                | 8M         | 70.8u           | 1.584m                   | 1.012m                   | 270.6m             |
| 19    | 1                | 16M        | 51.6u           | -                        | -                        | 541.3m             |



Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_03  
Number of Bursts in Trial: 17  
Chirp Center Frequency: 5494MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 17M        | 76.5u           | 1.298m                   | -                        | 513.7m             |
| 2     | 3                | 7M         | 75.5u           | 1.192m                   | 1.383m                   | 463.1m             |
| 3     | 1                | 7M         | 56.2u           | -                        | -                        | 545.4m             |
| 4     | 3                | 7M         | 70.9u           | 958.1u                   | 1.182m                   | 671.6m             |
| 5     | 2                | 7M         | 63.7u           | 991.3u                   | -                        | 357.2m             |
| 6     | 1                | 18M        | 77.3u           | -                        | -                        | 213.0m             |
| 7     | 1                | 14M        | 55.4u           | -                        | -                        | 637.9m             |
| 8     | 2                | 5M         | 61.7u           | 1.370m                   | -                        | 473.0m             |
| 9     | 2                | 13M        | 62.2u           | 1.639m                   | -                        | 47.96m             |
| 10    | 1                | 17M        | 64.1u           | -                        | -                        | 313.8m             |
| 11    | 2                | 11M        | 78.0u           | 1.146m                   | -                        | 642.3m             |
| 12    | 2                | 6M         | 68.0u           | 1.326m                   | -                        | 597.6m             |
| 13    | 2                | 8M         | 68.8u           | 1.203m                   | -                        | 535.9m             |
| 14    | 2                | 6M         | 58.5u           | 1.274m                   | -                        | 410.8m             |
| 15    | 1                | 16M        | 95.2u           | -                        | -                        | 85.59m             |
| 16    | 2                | 19M        | 63.1u           | 1.143m                   | -                        | 73.05m             |
| 17    | 2                | 9M         | 100.0u          | 1.861m                   | -                        | 349.4m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_04  
Number of Bursts in Trial: 17  
Chirp Center Frequency: 5495MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 19M        | 91.6u           | -                        | -                        | 326.0m             |
| 2     | 2                | 13M        | 78.1u           | 1.190m                   | -                        | 112.0m             |
| 3     | 3                | 6M         | 92.3u           | 1.111m                   | 1.405m                   | 418.2m             |
| 4     | 1                | 11M        | 51.0u           | -                        | -                        | 461.3m             |
| 5     | 1                | 18M        | 64.3u           | -                        | -                        | 285.1m             |
| 6     | 3                | 14M        | 91.7u           | 1.162m                   | 973.3u                   | 466.5m             |
| 7     | 2                | 10M        | 80.4u           | 1.070m                   | -                        | 591.6m             |
| 8     | 2                | 11M        | 52.1u           | 1.046m                   | -                        | 483.5m             |
| 9     | 1                | 9M         | 97.5u           | -                        | -                        | 23.67m             |
| 10    | 2                | 5M         | 58.0u           | 1.588m                   | -                        | 124.1m             |
| 11    | 2                | 8M         | 70.9u           | 1.001m                   | -                        | 694.4m             |
| 12    | 1                | 18M        | 64.4u           | -                        | -                        | 594.5m             |
| 13    | 2                | 8M         | 75.5u           | 1.324m                   | -                        | 648.6m             |
| 14    | 2                | 14M        | 76.8u           | 1.815m                   | -                        | 359.0m             |
| 15    | 2                | 9M         | 82.5u           | 1.720m                   | -                        | 395.7m             |
| 16    | 3                | 13M        | 67.7u           | 1.810m                   | 1.664m                   | 642.4m             |
| 17    | 3                | 14M        | 93.3u           | 1.365m                   | 1.220m                   | 500.8m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 14

Chrip Center Frequency: 5496MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 6M         | 97.7u           | 1.370m                   | -                        | 792.9m             |
| 2     | 3                | 18M        | 50.6u           | 1.456m                   | 1.734m                   | 55.10m             |
| 3     | 1                | 6M         | 76.4u           | -                        | -                        | 434.5m             |
| 4     | 3                | 10M        | 94.6u           | 1.009m                   | 1.352m                   | 472.9m             |
| 5     | 2                | 18M        | 52.3u           | 1.116m                   | -                        | 453.0m             |
| 6     | 2                | 10M        | 53.1u           | 1.838m                   | -                        | 307.0m             |
| 7     | 2                | 16M        | 54.4u           | 1.392m                   | -                        | 451.0m             |
| 8     | 2                | 6M         | 96.3u           | 966.7u                   | -                        | 808.6m             |
| 9     | 3                | 11M        | 58.9u           | 1.866m                   | 1.779m                   | 639.8m             |
| 10    | 3                | 14M        | 99.6u           | 941.4u                   | 1.634m                   | 650.7m             |
| 11    | 2                | 14M        | 71.7u           | 933.3u                   | -                        | 346.9m             |
| 12    | 1                | 18M        | 65.1u           | -                        | -                        | 602.4m             |
| 13    | 2                | 9M         | 70.2u           | 1.601m                   | -                        | 689.6m             |
| 14    | 3                | 16M        | 88.6u           | 1.507m                   | 1.171m                   | 41.54m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 14

Chrip Center Frequency: 5497MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 15M        | 81.0u           | -                        | -                        | 324.5m             |
| 2     | 2                | 19M        | 96.0u           | 1.828m                   | -                        | 636.2m             |
| 3     | 3                | 18M        | 60.9u           | 1.638m                   | 1.691m                   | 592.1m             |
| 4     | 2                | 18M        | 58.3u           | 1.196m                   | -                        | 598.2m             |
| 5     | 3                | 16M        | 65.7u           | 937.3u                   | 1.606m                   | 297.3m             |
| 6     | 1                | 10M        | 65.9u           | -                        | -                        | 459.1m             |
| 7     | 2                | 19M        | 59.0u           | 1.091m                   | -                        | 433.1m             |
| 8     | 2                | 7M         | 86.3u           | 1.035m                   | -                        | 329.7m             |
| 9     | 2                | 5M         | 96.6u           | 1.788m                   | -                        | 802.6m             |
| 10    | 2                | 17M        | 96.3u           | 927.7u                   | -                        | 723.1m             |
| 11    | 3                | 10M        | 98.9u           | 1.632m                   | 1.707m                   | 695.4m             |
| 12    | 2                | 16M        | 95.6u           | 1.683m                   | -                        | 820.7m             |
| 13    | 1                | 20M        | 64.9u           | -                        | -                        | 385.8m             |
| 14    | 2                | 17M        | 83.7u           | 1.341m                   | -                        | 668.5m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_07  
Number of Bursts in Trial: 16  
Chrip Center Frequency: 5498MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 18M        | 55.8u           | 1.783m                   | -                        | 122.9m             |
| 2     | 2                | 20M        | 59.9u           | 1.569m                   | -                        | 580.4m             |
| 3     | 3                | 14M        | 83.5u           | 1.389m                   | 926.5u                   | 313.9m             |
| 4     | 1                | 7M         | 96.0u           | -                        | -                        | 338.1m             |
| 5     | 1                | 6M         | 55.0u           | -                        | -                        | 555.2m             |
| 6     | 2                | 17M        | 69.2u           | 1.872m                   | -                        | 623.3m             |
| 7     | 3                | 6M         | 89.8u           | 1.188m                   | 1.515m                   | 502.1m             |
| 8     | 1                | 12M        | 82.5u           | -                        | -                        | 442.6m             |
| 9     | 2                | 13M        | 87.3u           | 1.385m                   | -                        | 421.7m             |
| 10    | 2                | 17M        | 74.9u           | 1.720m                   | -                        | 46.57m             |
| 11    | 2                | 14M        | 50.3u           | 1.072m                   | -                        | 81.62m             |
| 12    | 3                | 9M         | 92.3u           | 1.821m                   | 1.245m                   | 456.5m             |
| 13    | 2                | 17M        | 86.7u           | 1.024m                   | -                        | 122.2m             |
| 14    | 2                | 7M         | 96.0u           | 1.149m                   | -                        | 269.2m             |
| 15    | 2                | 20M        | 93.8u           | 1.149m                   | -                        | 331.4m             |
| 16    | 3                | 19M        | 80.9u           | 1.468m                   | 1.728m                   | 703.9m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_08  
Number of Bursts in Trial: 12  
Chrip Center Frequency: 5499MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 19M        | 76.5u           | 1.700m                   | 1.267m                   | 562.2m             |
| 2     | 2                | 20M        | 58.1u           | 1.064m                   | -                        | 748.2m             |
| 3     | 1                | 18M        | 65.2u           | -                        | -                        | 609.3m             |
| 4     | 2                | 17M        | 95.4u           | 1.894m                   | -                        | 310.9m             |
| 5     | 3                | 12M        | 70.4u           | 1.420m                   | 1.919m                   | 662.5m             |
| 6     | 3                | 20M        | 93.5u           | 1.571m                   | 1.391m                   | 764.2m             |
| 7     | 1                | 11M        | 51.9u           | -                        | -                        | 74.45m             |
| 8     | 2                | 8M         | 81.0u           | 1.039m                   | -                        | 836.5m             |
| 9     | 1                | 9M         | 63.5u           | -                        | -                        | 591.7m             |
| 10    | 1                | 7M         | 73.2u           | -                        | -                        | 221.4m             |
| 11    | 3                | 7M         | 92.3u           | 918.7u                   | 1.862m                   | 689.1m             |
| 12    | 2                | 10M        | 76.6u           | 1.598m                   | -                        | 329.0m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_09

Number of Bursts in Trial: 19

Chrip Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 10M        | 82.2u           | 963.8u                   | -                        | 343.6m             |
| 2     | 1                | 19M        | 68.7u           | -                        | -                        | 543.3m             |
| 3     | 3                | 18M        | 78.4u           | 1.678m                   | 1.404m                   | 473.3m             |
| 4     | 2                | 8M         | 71.9u           | 1.609m                   | -                        | 407.4m             |
| 5     | 2                | 7M         | 55.3u           | 1.521m                   | -                        | 495.1m             |
| 6     | 1                | 6M         | 55.9u           | -                        | -                        | 214.4m             |
| 7     | 2                | 12M        | 67.2u           | 1.424m                   | -                        | 88.86m             |
| 8     | 1                | 8M         | 92.6u           | -                        | -                        | 469.5m             |
| 9     | 3                | 6M         | 68.1u           | 1.015m                   | 1.492m                   | 557.1m             |
| 10    | 2                | 10M        | 86.7u           | 1.333m                   | -                        | 581.1m             |
| 11    | 2                | 13M        | 73.9u           | 1.892m                   | -                        | 142.6m             |
| 12    | 2                | 12M        | 61.3u           | 1.067m                   | -                        | 186.2m             |
| 13    | 2                | 11M        | 59.1u           | 1.407m                   | -                        | 259.0m             |
| 14    | 3                | 6M         | 60.4u           | 1.197m                   | 1.906m                   | 409.0m             |
| 15    | 3                | 12M        | 89.0u           | 1.068m                   | 1.138m                   | 194.8m             |
| 16    | 2                | 6M         | 52.9u           | 1.005m                   | -                        | 219.6m             |
| 17    | 2                | 7M         | 84.0u           | 1.042m                   | -                        | 585.4m             |
| 18    | 2                | 7M         | 69.4u           | 1.763m                   | -                        | 537.6m             |
| 19    | 1                | 10M        | 61.8u           | -                        | -                        | 400.0m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_10

Number of Bursts in Trial: 15

Chrip Center Frequency: 5501MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 17M        | 93.4u           | 1.852m                   | -                        | 730.0m             |
| 2     | 2                | 12M        | 82.6u           | 1.896m                   | -                        | 634.8m             |
| 3     | 2                | 17M        | 51.0u           | 1.214m                   | -                        | 132.1m             |
| 4     | 3                | 13M        | 73.9u           | 1.237m                   | 1.141m                   | 176.5m             |
| 5     | 3                | 14M        | 57.7u           | 1.067m                   | 1.892m                   | 96.40m             |
| 6     | 2                | 10M        | 76.6u           | 1.546m                   | -                        | 739.3m             |
| 7     | 3                | 8M         | 92.7u           | 1.432m                   | 1.606m                   | 730.1m             |
| 8     | 2                | 20M        | 57.6u           | 1.586m                   | -                        | 167.2m             |
| 9     | 2                | 11M        | 74.4u           | 1.507m                   | -                        | 474.3m             |
| 10    | 2                | 15M        | 70.3u           | 1.598m                   | -                        | 537.6m             |
| 11    | 3                | 14M        | 94.0u           | 1.869m                   | 1.625m                   | 10.21m             |
| 12    | 1                | 19M        | 50.2u           | -                        | -                        | 278.5m             |
| 13    | 2                | 10M        | 75.1u           | 1.206m                   | -                        | 275.1m             |
| 14    | 3                | 13M        | 98.4u           | 1.208m                   | 1.126m                   | 639.7m             |
| 15    | 3                | 19M        | 86.7u           | 1.610m                   | 1.886m                   | 294.3m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_11  
Number of Bursts in Trial: 18  
Chrip Center Frequency: 5502MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 18M        | 89.1u           | -                        | -                        | 19.17m             |
| 2     | 1                | 9M         | 87.0u           | -                        | -                        | 212.4m             |
| 3     | 2                | 13M        | 69.5u           | 997.5u                   | -                        | 286.8m             |
| 4     | 1                | 5M         | 69.2u           | -                        | -                        | 286.2m             |
| 5     | 2                | 12M        | 94.2u           | 1.413m                   | -                        | 128.7m             |
| 6     | 1                | 14M        | 98.0u           | -                        | -                        | 265.2m             |
| 7     | 1                | 8M         | 82.9u           | -                        | -                        | 345.1m             |
| 8     | 1                | 10M        | 82.3u           | -                        | -                        | 138.8m             |
| 9     | 2                | 5M         | 68.6u           | 1.059m                   | -                        | 54.31m             |
| 10    | 3                | 7M         | 84.4u           | 970.6u                   | 1.110m                   | 38.93m             |
| 11    | 1                | 14M        | 65.7u           | -                        | -                        | 100.3m             |
| 12    | 2                | 15M        | 99.8u           | 1.174m                   | -                        | 662.6m             |
| 13    | 2                | 6M         | 86.2u           | 1.900m                   | -                        | 434.0m             |
| 14    | 1                | 12M        | 74.0u           | -                        | -                        | 571.0m             |
| 15    | 1                | 14M        | 53.6u           | -                        | -                        | 98.50m             |
| 16    | 2                | 11M        | 77.1u           | 1.187m                   | -                        | 5.465m             |
| 17    | 2                | 7M         | 76.8u           | 1.193m                   | -                        | 52.88m             |
| 18    | 3                | 17M        | 59.3u           | 1.737m                   | 1.105m                   | 166.8m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_12  
Number of Bursts in Trial: 13  
Chrip Center Frequency: 5503MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 18M        | 50.2u           | -                        | -                        | 742.1m             |
| 2     | 1                | 17M        | 83.1u           | -                        | -                        | 92.80m             |
| 3     | 2                | 9M         | 97.0u           | 1.378m                   | -                        | 314.5m             |
| 4     | 2                | 19M        | 95.5u           | 1.184m                   | -                        | 591.9m             |
| 5     | 1                | 11M        | 74.9u           | -                        | -                        | 601.9m             |
| 6     | 2                | 15M        | 60.0u           | 1.217m                   | -                        | 544.1m             |
| 7     | 3                | 8M         | 85.6u           | 1.064m                   | 1.507m                   | 622.2m             |
| 8     | 2                | 19M        | 97.7u           | 1.286m                   | -                        | 127.3m             |
| 9     | 2                | 7M         | 78.7u           | 1.353m                   | -                        | 877.0m             |
| 10    | 2                | 18M        | 61.8u           | 1.823m                   | -                        | 533.8m             |
| 11    | 1                | 18M        | 95.1u           | -                        | -                        | 488.4m             |
| 12    | 2                | 10M        | 95.8u           | 1.878m                   | -                        | 855.6m             |
| 13    | 2                | 13M        | 61.3u           | 1.387m                   | -                        | 913.0m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 10

Chrip Center Frequency: 5504MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 12M        | 73.7u           | -                        | -                        | 188.5m             |
| 2     | 2                | 14M        | 86.4u           | 1.325m                   | -                        | 996.4m             |
| 3     | 1                | 10M        | 89.1u           | -                        | -                        | 892.9m             |
| 4     | 3                | 9M         | 85.2u           | 1.299m                   | 1.533m                   | 502.4m             |
| 5     | 2                | 7M         | 84.6u           | 1.234m                   | -                        | 614.1m             |
| 6     | 1                | 7M         | 57.5u           | -                        | -                        | 125.5m             |
| 7     | 2                | 14M        | 51.0u           | 970.0u                   | -                        | 1.076              |
| 8     | 2                | 7M         | 66.6u           | 1.546m                   | -                        | 667.5m             |
| 9     | 3                | 12M        | 86.7u           | 1.033m                   | 1.597m                   | 622.9m             |
| 10    | 2                | 13M        | 61.2u           | 1.322m                   | -                        | 664.9m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 15

Chrip Center Frequency: 5505MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 18M        | 70.5u           | -                        | -                        | 160.6m             |
| 2     | 3                | 10M        | 65.0u           | 1.209m                   | 1.058m                   | 767.6m             |
| 3     | 3                | 8M         | 54.1u           | 1.071m                   | 1.347m                   | 639.1m             |
| 4     | 2                | 16M        | 67.7u           | 1.311m                   | -                        | 107.5m             |
| 5     | 2                | 8M         | 62.4u           | 1.585m                   | -                        | 421.3m             |
| 6     | 2                | 17M        | 80.8u           | 1.790m                   | -                        | 655.5m             |
| 7     | 2                | 20M        | 77.7u           | 1.882m                   | -                        | 225.9m             |
| 8     | 2                | 12M        | 56.1u           | 1.743m                   | -                        | 586.9m             |
| 9     | 2                | 14M        | 71.6u           | 1.015m                   | -                        | 448.6m             |
| 10    | 2                | 13M        | 59.6u           | 1.809m                   | -                        | 504.3m             |
| 11    | 2                | 7M         | 62.7u           | 1.857m                   | -                        | 305.8m             |
| 12    | 1                | 13M        | 65.8u           | -                        | -                        | 62.25m             |
| 13    | 1                | 13M        | 74.1u           | -                        | -                        | 315.6m             |
| 14    | 3                | 16M        | 59.8u           | 1.185m                   | 1.162m                   | 61.77m             |
| 15    | 2                | 14M        | 58.6u           | 1.732m                   | -                        | 231.3m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 11

Chirp Center Frequency: 5506MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 19M        | 77.8u           | 1.702m                   | -                        | 310.1m             |
| 2     | 2                | 20M        | 79.0u           | 1.397m                   | -                        | 684.1m             |
| 3     | 3                | 12M        | 70.8u           | 1.095m                   | 976.2u                   | 973.8m             |
| 4     | 1                | 12M        | 56.1u           | -                        | -                        | 337.7m             |
| 5     | 1                | 20M        | 78.3u           | -                        | -                        | 680.8m             |
| 6     | 3                | 6M         | 77.2u           | 1.455m                   | 1.122m                   | 212.6m             |
| 7     | 2                | 14M        | 76.4u           | 1.716m                   | -                        | 555.8m             |
| 8     | 2                | 10M        | 91.8u           | 919.2u                   | -                        | 283.6m             |
| 9     | 1                | 8M         | 53.3u           | -                        | -                        | 877.5m             |
| 10    | 2                | 7M         | 56.3u           | 1.572m                   | -                        | 1.007              |
| 11    | 1                | 19M        | 96.8u           | -                        | -                        | 116.8m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 18

Chirp Center Frequency: 5507MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 8M         | 83.3u           | 1.527m                   | 1.641m                   | 1.265m             |
| 2     | 1                | 8M         | 78.9u           | -                        | -                        | 10.84m             |
| 3     | 2                | 8M         | 50.1u           | 1.575m                   | -                        | 663.5m             |
| 4     | 2                | 11M        | 74.1u           | 1.559m                   | -                        | 298.1m             |
| 5     | 2                | 16M        | 82.3u           | 1.560m                   | -                        | 649.0m             |
| 6     | 1                | 11M        | 90.9u           | -                        | -                        | 655.8m             |
| 7     | 2                | 11M        | 72.0u           | 1.552m                   | -                        | 254.4m             |
| 8     | 3                | 13M        | 66.7u           | 1.069m                   | 1.691m                   | 515.4m             |
| 9     | 2                | 11M        | 75.0u           | 1.252m                   | -                        | 298.1m             |
| 10    | 2                | 9M         | 81.2u           | 1.659m                   | -                        | 61.30m             |
| 11    | 1                | 8M         | 66.5u           | -                        | -                        | 271.9m             |
| 12    | 3                | 16M        | 54.8u           | 1.252m                   | 1.598m                   | 54.63m             |
| 13    | 3                | 12M        | 79.8u           | 1.393m                   | 1.687m                   | 188.8m             |
| 14    | 2                | 12M        | 57.7u           | 1.802m                   | -                        | 352.8m             |
| 15    | 3                | 13M        | 73.6u           | 1.079m                   | 1.597m                   | 15.98m             |
| 16    | 3                | 9M         | 57.5u           | 1.320m                   | 1.182m                   | 116.9m             |
| 17    | 2                | 19M        | 92.7u           | 1.269m                   | -                        | 256.7m             |
| 18    | 1                | 17M        | 78.9u           | -                        | -                        | 76.00m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 16

Chrip Center Frequency: 5508MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 15M        | 73.5u           | -                        | -                        | 469.1m             |
| 2     | 3                | 9M         | 81.1u           | 1.360m                   | 1.585m                   | 266.1m             |
| 3     | 2                | 12M        | 91.5u           | 1.086m                   | -                        | 250.2m             |
| 4     | 3                | 12M        | 59.9u           | 1.153m                   | 1.663m                   | 617.1m             |
| 5     | 2                | 18M        | 68.4u           | 1.502m                   | -                        | 744.8m             |
| 6     | 2                | 19M        | 88.4u           | 1.676m                   | -                        | 639.7m             |
| 7     | 3                | 18M        | 88.0u           | 1.818m                   | 1.247m                   | 274.8m             |
| 8     | 2                | 13M        | 93.1u           | 1.530m                   | -                        | 169.0m             |
| 9     | 2                | 18M        | 84.3u           | 1.069m                   | -                        | 563.1m             |
| 10    | 1                | 18M        | 81.6u           | -                        | -                        | 507.5m             |
| 11    | 2                | 5M         | 86.0u           | 1.869m                   | -                        | 390.2m             |
| 12    | 2                | 15M        | 97.3u           | 1.772m                   | -                        | 273.4m             |
| 13    | 3                | 7M         | 87.5u           | 1.577m                   | 1.666m                   | 413.5m             |
| 14    | 2                | 9M         | 71.3u           | 1.242m                   | -                        | 188.4m             |
| 15    | 1                | 11M        | 80.5u           | -                        | -                        | 420.9m             |
| 16    | 2                | 8M         | 88.0u           | 1.670m                   | -                        | 278.8m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 14

Chrip Center Frequency: 5507MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 19M        | 92.9u           | 1.625m                   | -                        | 217.2m             |
| 2     | 2                | 14M        | 66.1u           | 1.028m                   | -                        | 54.58m             |
| 3     | 1                | 13M        | 68.6u           | -                        | -                        | 792.8m             |
| 4     | 3                | 6M         | 87.9u           | 1.603m                   | 1.633m                   | 727.2m             |
| 5     | 3                | 19M        | 75.2u           | 1.018m                   | 1.898m                   | 650.1m             |
| 6     | 3                | 10M        | 93.0u           | 1.094m                   | 1.800m                   | 623.1m             |
| 7     | 2                | 14M        | 89.8u           | 1.873m                   | -                        | 390.3m             |
| 8     | 2                | 9M         | 56.8u           | 1.857m                   | -                        | 443.5m             |
| 9     | 2                | 10M        | 61.9u           | 1.757m                   | -                        | 119.5m             |
| 10    | 2                | 13M        | 95.9u           | 1.162m                   | -                        | 235.0m             |
| 11    | 2                | 10M        | 70.1u           | 1.542m                   | -                        | 716.2m             |
| 12    | 2                | 10M        | 59.4u           | 1.746m                   | -                        | 144.3m             |
| 13    | 2                | 10M        | 93.6u           | 1.359m                   | -                        | 437.3m             |
| 14    | 2                | 18M        | 95.4u           | 1.387m                   | -                        | 604.2m             |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 13

Chrip Center Frequency: 5506MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 9M         | 97.5u           | 1.642m                   | -                        | 456.1m             |
| 2     | 2                | 16M        | 82.5u           | 1.782m                   | -                        | 840.1m             |
| 3     | 1                | 7M         | 63.2u           | -                        | -                        | 209.4m             |
| 4     | 2                | 18M        | 70.7u           | 1.365m                   | -                        | 119.8m             |
| 5     | 2                | 18M        | 81.0u           | 1.596m                   | -                        | 834.3m             |
| 6     | 2                | 15M        | 66.1u           | 1.919m                   | -                        | 135.4m             |
| 7     | 1                | 15M        | 80.0u           | -                        | -                        | 489.5m             |
| 8     | 3                | 8M         | 51.0u           | 1.083m                   | 1.184m                   | 233.7m             |
| 9     | 3                | 20M        | 76.2u           | 1.014m                   | 1.922m                   | 36.97m             |
| 10    | 3                | 17M        | 64.7u           | 1.652m                   | 1.514m                   | 830.8m             |
| 11    | 1                | 19M        | 59.1u           | -                        | -                        | 345.8m             |
| 12    | 2                | 16M        | 73.4u           | 1.594m                   | -                        | 776.1m             |
| 13    | 3                | 8M         | 62.1u           | 1.302m                   | 1.157m                   | 566.9m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 11

Chrip Center Frequency: 5505MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 13M        | 60.7u           | 1.624m                   | 1.365m                   | 504.3m             |
| 2     | 1                | 10M        | 80.7u           | -                        | -                        | 509.5m             |
| 3     | 2                | 14M        | 76.0u           | 1.185m                   | -                        | 755.0m             |
| 4     | 2                | 18M        | 55.6u           | 1.036m                   | -                        | 909.5m             |
| 5     | 3                | 16M        | 53.2u           | 995.8u                   | 1.627m                   | 980.1m             |
| 6     | 3                | 16M        | 64.1u           | 1.569m                   | 1.272m                   | 879.5m             |
| 7     | 3                | 10M        | 90.0u           | 938.0u                   | 1.816m                   | 596.7m             |
| 8     | 1                | 8M         | 63.2u           | -                        | -                        | 1.063              |
| 9     | 3                | 18M        | 97.3u           | 1.185m                   | 1.463m                   | 557.9m             |
| 10    | 1                | 6M         | 85.6u           | -                        | -                        | 841.8m             |
| 11    | 2                | 17M        | 72.1u           | 969.9u                   | -                        | 134.4m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 11

Chrip Center Frequency: 5504MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 9M         | 97.2u           | 1.226m                   | -                        | 466.9m             |
| 2     | 2                | 17M        | 91.5u           | 1.148m                   | -                        | 523.5m             |
| 3     | 3                | 10M        | 65.8u           | 1.888m                   | 1.085m                   | 761.3m             |
| 4     | 2                | 18M        | 54.4u           | 1.726m                   | -                        | 1.047              |
| 5     | 2                | 10M        | 50.5u           | 1.332m                   | -                        | 605.4m             |
| 6     | 1                | 18M        | 85.2u           | -                        | -                        | 690.3m             |
| 7     | 1                | 20M        | 96.0u           | -                        | -                        | 245.1m             |
| 8     | 2                | 6M         | 60.3u           | 1.529m                   | -                        | 103.0m             |
| 9     | 2                | 17M        | 59.7u           | 1.352m                   | -                        | 324.2m             |
| 10    | 2                | 19M        | 53.6u           | 1.582m                   | -                        | 1.082              |
| 11    | 2                | 7M         | 98.2u           | 1.661m                   | -                        | 755.5m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 12

Chrip Center Frequency: 5503MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 15M        | 62.6u           | 1.187m                   | 1.659m                   | 373.3m             |
| 2     | 2                | 9M         | 73.6u           | 1.445m                   | -                        | 368.2m             |
| 3     | 1                | 8M         | 77.8u           | -                        | -                        | 958.1m             |
| 4     | 2                | 18M        | 78.2u           | 1.456m                   | -                        | 940.0m             |
| 5     | 1                | 12M        | 58.8u           | -                        | -                        | 876.0m             |
| 6     | 1                | 15M        | 56.7u           | -                        | -                        | 644.9m             |
| 7     | 1                | 19M        | 76.1u           | -                        | -                        | 893.6m             |
| 8     | 2                | 15M        | 95.8u           | 1.042m                   | -                        | 244.5m             |
| 9     | 3                | 7M         | 67.8u           | 1.416m                   | 1.539m                   | 763.4m             |
| 10    | 3                | 10M        | 67.7u           | 1.130m                   | 1.363m                   | 78.78m             |
| 11    | 2                | 9M         | 51.9u           | 1.088m                   | -                        | 293.6m             |
| 12    | 3                | 13M        | 95.6u           | 941.4u                   | 1.041m                   | 280.0m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_23  
Number of Bursts in Trial: 10  
Chrip Center Frequency: 5502MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 13M        | 96.5u           | 1.004m                   | -                        | 185.7m             |
| 2     | 3                | 7M         | 56.7u           | 1.158m                   | 1.563m                   | 648.7m             |
| 3     | 2                | 16M        | 62.6u           | 1.798m                   | -                        | 864.5m             |
| 4     | 2                | 16M        | 94.2u           | 927.8u                   | -                        | 616.7m             |
| 5     | 2                | 15M        | 92.2u           | 1.640m                   | -                        | 841.1m             |
| 6     | 3                | 19M        | 68.7u           | 1.512m                   | 1.801m                   | 667.9m             |
| 7     | 3                | 15M        | 64.1u           | 984.9u                   | 1.052m                   | 961.9m             |
| 8     | 2                | 7M         | 62.8u           | 956.2u                   | -                        | 226.8m             |
| 9     | 3                | 12M        | 71.9u           | 1.774m                   | 1.290m                   | 654.6m             |
| 10    | 2                | 6M         | 52.3u           | 1.374m                   | -                        | 692.3m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_24  
Number of Bursts in Trial: 9  
Chrip Center Frequency: 5501MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 9M         | 59.5u           | 1.541m                   | 1.130m                   | 892.5m             |
| 2     | 3                | 5M         | 61.0u           | 1.367m                   | 979.0u                   | 591.0m             |
| 3     | 1                | 14M        | 85.6u           | -                        | -                        | 20.53m             |
| 4     | 2                | 17M        | 66.5u           | 1.510m                   | -                        | 677.2m             |
| 5     | 1                | 5M         | 99.6u           | -                        | -                        | 224.7m             |
| 6     | 2                | 6M         | 92.8u           | 1.292m                   | -                        | 1.249              |
| 7     | 1                | 13M        | 59.0u           | -                        | -                        | 861.4m             |
| 8     | 2                | 18M        | 99.9u           | 1.433m                   | -                        | 445.5m             |
| 9     | 2                | 12M        | 54.9u           | 1.661m                   | -                        | 490.2m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_25  
Number of Bursts in Trial: 14  
Chrip Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 8M         | 78.5u           | 1.337m                   | -                        | 318.3m             |
| 2     | 2                | 12M        | 54.2u           | 1.429m                   | -                        | 845.3m             |
| 3     | 2                | 19M        | 90.7u           | 1.866m                   | -                        | 220.5m             |
| 4     | 3                | 8M         | 53.6u           | 1.058m                   | 1.224m                   | 477.7m             |
| 5     | 1                | 10M        | 93.7u           | -                        | -                        | 200.3m             |
| 6     | 2                | 8M         | 90.2u           | 1.902m                   | -                        | 677.9m             |
| 7     | 1                | 18M        | 60.7u           | -                        | -                        | 282.8m             |
| 8     | 2                | 14M        | 52.5u           | 1.018m                   | -                        | 352.5m             |
| 9     | 2                | 18M        | 74.9u           | 1.899m                   | -                        | 318.6m             |
| 10    | 1                | 14M        | 63.6u           | -                        | -                        | 545.1m             |
| 11    | 3                | 16M        | 91.5u           | 1.172m                   | 1.118m                   | 461.6m             |
| 12    | 1                | 12M        | 97.3u           | -                        | -                        | 57.92m             |
| 13    | 1                | 16M        | 60.7u           | -                        | -                        | 639.0m             |
| 14    | 2                | 8M         | 71.5u           | 1.746m                   | -                        | 138.8m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_26  
Number of Bursts in Trial: 17  
Chrip Center Frequency: 5499MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 10M        | 95.4u           | -                        | -                        | 360.2m             |
| 2     | 2                | 16M        | 96.7u           | 1.141m                   | -                        | 75.96m             |
| 3     | 3                | 17M        | 91.7u           | 968.3u                   | 1.299m                   | 603.6m             |
| 4     | 1                | 5M         | 81.2u           | -                        | -                        | 248.6m             |
| 5     | 2                | 11M        | 82.5u           | 1.723m                   | -                        | 114.2m             |
| 6     | 3                | 8M         | 93.4u           | 1.827m                   | 1.616m                   | 420.9m             |
| 7     | 1                | 18M        | 91.7u           | -                        | -                        | 602.1m             |
| 8     | 2                | 16M        | 91.6u           | 1.337m                   | -                        | 214.6m             |
| 9     | 2                | 17M        | 99.1u           | 1.524m                   | -                        | 103.4m             |
| 10    | 3                | 13M        | 83.3u           | 1.382m                   | 972.7u                   | 83.47m             |
| 11    | 1                | 12M        | 78.8u           | -                        | -                        | 327.7m             |
| 12    | 2                | 12M        | 61.9u           | 1.849m                   | -                        | 232.8m             |
| 13    | 2                | 9M         | 58.4u           | 1.905m                   | -                        | 625.9m             |
| 14    | 1                | 19M        | 97.0u           | -                        | -                        | 665.4m             |
| 15    | 3                | 19M        | 73.7u           | 1.592m                   | 1.864m                   | 475.7m             |
| 16    | 2                | 5M         | 96.2u           | 1.322m                   | -                        | 467.6m             |
| 17    | 2                | 9M         | 83.6u           | 1.433m                   | -                        | 666.3m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_27  
Number of Bursts in Trial: 10  
Chrip Center Frequency: 5498MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 8M         | 76.7u           | 1.643m                   | -                        | 466.9m             |
| 2     | 3                | 18M        | 50.4u           | 967.6u                   | 1.607m                   | 809.3m             |
| 3     | 3                | 18M        | 62.5u           | 1.825m                   | 1.717m                   | 741.1m             |
| 4     | 2                | 9M         | 90.1u           | 1.625m                   | -                        | 487.0m             |
| 5     | 2                | 17M        | 76.2u           | 1.785m                   | -                        | 552.7m             |
| 6     | 3                | 15M        | 73.8u           | 1.241m                   | 1.206m                   | 524.1m             |
| 7     | 2                | 13M        | 78.3u           | 1.201m                   | -                        | 604.4m             |
| 8     | 2                | 10M        | 63.3u           | 971.7u                   | -                        | 168.4m             |
| 9     | 1                | 10M        | 50.8u           | -                        | -                        | 322.9m             |
| 10    | 3                | 19M        | 68.9u           | 1.033m                   | 1.810m                   | 882.7m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 15

Chirp Center Frequency: 5497MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 11M        | 97.0u           | 1.069m                   | -                        | 568.0m             |
| 2     | 2                | 7M         | 59.0u           | 1.122m                   | -                        | 308.9m             |
| 3     | 3                | 14M        | 53.4u           | 1.233m                   | 1.005m                   | 365.3m             |
| 4     | 2                | 11M        | 95.4u           | 1.845m                   | -                        | 159.9m             |
| 5     | 2                | 12M        | 99.0u           | 1.451m                   | -                        | 748.3m             |
| 6     | 3                | 10M        | 62.0u           | 1.153m                   | 1.596m                   | 209.3m             |
| 7     | 2                | 12M        | 96.1u           | 1.870m                   | -                        | 242.5m             |
| 8     | 3                | 14M        | 59.5u           | 1.243m                   | 1.700m                   | 633.4m             |
| 9     | 1                | 10M        | 65.7u           | -                        | -                        | 781.4m             |
| 10    | 2                | 15M        | 64.5u           | 1.230m                   | -                        | 324.2m             |
| 11    | 1                | 11M        | 69.3u           | -                        | -                        | 291.3m             |
| 12    | 2                | 15M        | 64.5u           | 1.187m                   | -                        | 456.3m             |
| 13    | 2                | 9M         | 81.5u           | 1.022m                   | -                        | 446.0m             |
| 14    | 2                | 14M        | 99.7u           | 910.3u                   | -                        | 784.7m             |
| 15    | 2                | 9M         | 74.4u           | 1.310m                   | -                        | 712.4m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 10

Chirp Center Frequency: 5496MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 18M        | 92.6u           | 1.048m                   | -                        | 278.0m             |
| 2     | 1                | 9M         | 99.1u           | -                        | -                        | 1.111              |
| 3     | 2                | 13M        | 88.0u           | 956.0u                   | -                        | 39.30m             |
| 4     | 1                | 13M        | 52.4u           | -                        | -                        | 826.3m             |
| 5     | 1                | 10M        | 62.6u           | -                        | -                        | 1.076              |
| 6     | 2                | 13M        | 50.8u           | 1.764m                   | -                        | 350.6m             |
| 7     | 3                | 18M        | 69.1u           | 1.008m                   | 1.331m                   | 993.4m             |
| 8     | 3                | 8M         | 91.8u           | 1.881m                   | 1.645m                   | 724.4m             |
| 9     | 3                | 18M        | 71.6u           | 1.471m                   | 1.464m                   | 839.7m             |
| 10    | 3                | 10M        | 57.6u           | 1.899m                   | 1.630m                   | 56.13m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 12

Chrip Center Frequency: 5495MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 6M         | 60.5u           | 980.5u                   | -                        | 51.65m             |
| 2     | 2                | 5M         | 76.1u           | 1.376m                   | -                        | 523.8m             |
| 3     | 2                | 11M        | 83.7u           | 1.713m                   | -                        | 774.2m             |
| 4     | 3                | 8M         | 54.1u           | 1.116m                   | 1.719m                   | 323.7m             |
| 5     | 3                | 14M        | 78.3u           | 1.345m                   | 1.793m                   | 722.4m             |
| 6     | 1                | 5M         | 53.1u           | -                        | -                        | 150.0m             |
| 7     | 1                | 10M        | 67.0u           | -                        | -                        | 720.1m             |
| 8     | 3                | 8M         | 59.1u           | 1.554m                   | 1.878m                   | 369.1m             |
| 9     | 2                | 20M        | 80.1u           | 1.586m                   | -                        | 446.5m             |
| 10    | 1                | 20M        | 69.3u           | -                        | -                        | 490.7m             |
| 11    | 3                | 10M        | 79.9u           | 1.636m                   | 1.365m                   | 1.959m             |
| 12    | 3                | 20M        | 62.9u           | 1.164m                   | 1.856m                   | 509.4m             |

## Type 6 Radar Statistical Performances

EUT Test Frequency: 5500MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
|---------|------------------|-----------------|---------|-----------|
| 1       | 9                | 1.0u            | 333.0u  | Yes       |
| 2       | 9                | 1.0u            | 333.0u  | Yes       |
| 3       | 9                | 1.0u            | 333.0u  | Yes       |
| 4       | 9                | 1.0u            | 333.0u  | Yes       |
| 5       | 9                | 1.0u            | 333.0u  | Yes       |
| 6       | 9                | 1.0u            | 333.0u  | Yes       |
| 7       | 9                | 1.0u            | 333.0u  | Yes       |
| 8       | 9                | 1.0u            | 333.0u  | Yes       |
| 9       | 9                | 1.0u            | 333.0u  | Yes       |
| 10      | 9                | 1.0u            | 333.0u  | Yes       |
| 11      | 9                | 1.0u            | 333.0u  | Yes       |
| 12      | 9                | 1.0u            | 333.0u  | Yes       |
| 13      | 9                | 1.0u            | 333.0u  | Yes       |
| 14      | 9                | 1.0u            | 333.0u  | Yes       |
| 15      | 9                | 1.0u            | 333.0u  | Yes       |
| 16      | 9                | 1.0u            | 333.0u  | Yes       |
| 17      | 9                | 1.0u            | 333.0u  | Yes       |
| 18      | 9                | 1.0u            | 333.0u  | Yes       |
| 19      | 9                | 1.0u            | 333.0u  | Yes       |
| 20      | 9                | 1.0u            | 333.0u  | Yes       |
| 21      | 9                | 1.0u            | 333.0u  | Yes       |
| 22      | 9                | 1.0u            | 333.0u  | Yes       |
| 23      | 9                | 1.0u            | 333.0u  | Yes       |
| 24      | 9                | 1.0u            | 333.0u  | Yes       |
| 25      | 9                | 1.0u            | 333.0u  | Yes       |
| 26      | 9                | 1.0u            | 333.0u  | Yes       |
| 27      | 9                | 1.0u            | 333.0u  | Yes       |
| 28      | 9                | 1.0u            | 333.0u  | Yes       |
| 29      | 9                | 1.0u            | 333.0u  | Yes       |
| 30      | 9                | 1.0u            | 333.0u  | Yes       |

Detection Rate: 100.0 %

# Type 6 Radar Statistical Performances

| Trial # | Hopping Frequency Sequence Name | Detection               |
|---------|---------------------------------|-------------------------|
| 1       | HOP_FREQ_SEQ_01                 | Yes                     |
| 2       | HOP_FREQ_SEQ_02                 | Yes                     |
| 3       | HOP_FREQ_SEQ_03                 | Yes                     |
| 4       | HOP_FREQ_SEQ_04                 | Yes                     |
| 5       | HOP_FREQ_SEQ_05                 | Yes                     |
| 6       | HOP_FREQ_SEQ_06                 | Yes                     |
| 7       | HOP_FREQ_SEQ_07                 | Yes                     |
| 8       | HOP_FREQ_SEQ_08                 | Yes                     |
| 9       | HOP_FREQ_SEQ_09                 | Yes                     |
| 10      | HOP_FREQ_SEQ_10                 | Yes                     |
| 11      | HOP_FREQ_SEQ_11                 | Yes                     |
| 12      | HOP_FREQ_SEQ_12                 | Yes                     |
| 13      | HOP_FREQ_SEQ_13                 | Yes                     |
| 14      | HOP_FREQ_SEQ_14                 | Yes                     |
| 15      | HOP_FREQ_SEQ_15                 | Yes                     |
| 16      | HOP_FREQ_SEQ_16                 | Yes                     |
| 17      | HOP_FREQ_SEQ_17                 | Yes                     |
| 18      | HOP_FREQ_SEQ_18                 | Yes                     |
| 19      | HOP_FREQ_SEQ_19                 | Yes                     |
| 20      | HOP_FREQ_SEQ_20                 | Yes                     |
| 21      | HOP_FREQ_SEQ_21                 | Yes                     |
| 22      | HOP_FREQ_SEQ_22                 | Yes                     |
| 23      | HOP_FREQ_SEQ_23                 | Yes                     |
| 24      | HOP_FREQ_SEQ_24                 | Yes                     |
| 25      | HOP_FREQ_SEQ_25                 | Yes                     |
| 26      | HOP_FREQ_SEQ_26                 | Yes                     |
| 27      | HOP_FREQ_SEQ_27                 | Yes                     |
| 28      | HOP_FREQ_SEQ_28                 | Yes                     |
| 29      | HOP_FREQ_SEQ_29                 | Yes                     |
| 30      | HOP_FREQ_SEQ_30                 | Yes                     |
|         |                                 | Detection Rate: 100.0 % |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.594G         | 2    | 5.685G         | 3    | 5.361G         | 4    | 5.582G         |
| 5                                                | 5.699G         | 6    | 5.598G         | 7    | 5.352G         | 8    | 5.301G         |
| 9                                                | 5.658G         | 10   | 5.311G         | 11   | 5.696G         | 12   | 5.278G         |
| 13                                               | 5.529G         | 14   | 5.462G         | 15   | 5.313G         | 16   | 5.655G         |
| 17                                               | 5.523G         | 18   | 5.390G         | 19   | 5.282G         | 20   | 5.273G         |
| 21                                               | 5.339G         | 22   | 5.595G         | 23   | 5.434G         | 24   | 5.300G         |
| 25                                               | 5.351G         | 26   | 5.617G         | 27   | 5.250G         | 28   | 5.436G         |
| 29                                               | 5.605G         | 30   | 5.508G         | 31   | 5.307G         | 32   | 5.636G         |
| 33                                               | 5.294G         | 34   | 5.401G         | 35   | 5.601G         | 36   | 5.460G         |
| 37                                               | 5.587G         | 38   | 5.324G         | 39   | 5.314G         | 40   | 5.349G         |
| 41                                               | 5.654G         | 42   | 5.576G         | 43   | 5.432G         | 44   | 5.413G         |
| 45                                               | 5.538G         | 46   | 5.336G         | 47   | 5.378G         | 48   | 5.702G         |
| 49                                               | 5.542G         | 50   | 5.417G         | 51   | 5.723G         | 52   | 5.374G         |
| 53                                               | 5.535G         | 54   | 5.485G         | 55   | 5.302G         | 56   | 5.635G         |
| 57                                               | 5.384G         | 58   | 5.503G         | 59   | 5.387G         | 60   | 5.575G         |
| 61                                               | 5.465G         | 62   | 5.297G         | 63   | 5.440G         | 64   | 5.602G         |
| 65                                               | 5.691G         | 66   | 5.715G         | 67   | 5.565G         | 68   | 5.579G         |
| 69                                               | 5.698G         | 70   | 5.500G         | 71   | 5.252G         | 72   | 5.649G         |
| 73                                               | 5.272G         | 74   | 5.589G         | 75   | 5.711G         | 76   | 5.712G         |
| 77                                               | 5.359G         | 78   | 5.592G         | 79   | 5.624G         | 80   | 5.671G         |
| 81                                               | 5.545G         | 82   | 5.402G         | 83   | 5.445G         | 84   | 5.514G         |
| 85                                               | 5.549G         | 86   | 5.291G         | 87   | 5.317G         | 88   | 5.299G         |
| 89                                               | 5.501G         | 90   | 5.554G         | 91   | 5.293G         | 92   | 5.285G         |
| 93                                               | 5.546G         | 94   | 5.253G         | 95   | 5.379G         | 96   | 5.551G         |
| 97                                               | 5.350G         | 98   | 5.550G         | 99   | 5.447G         | 100  | 5.358G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.376G         | 2    | 5.709G         | 3    | 5.610G         | 4    | 5.380G         |
| 5                                                | 5.421G         | 6    | 5.506G         | 7    | 5.294G         | 8    | 5.373G         |
| 9                                                | 5.669G         | 10   | 5.716G         | 11   | 5.589G         | 12   | 5.307G         |
| 13                                               | 5.429G         | 14   | 5.651G         | 15   | 5.275G         | 16   | 5.478G         |
| 17                                               | 5.720G         | 18   | 5.667G         | 19   | 5.272G         | 20   | 5.534G         |
| 21                                               | 5.629G         | 22   | 5.405G         | 23   | 5.447G         | 24   | 5.543G         |
| 25                                               | 5.495G         | 26   | 5.279G         | 27   | 5.719G         | 28   | 5.444G         |
| 29                                               | 5.578G         | 30   | 5.512G         | 31   | 5.408G         | 32   | 5.250G         |
| 33                                               | 5.263G         | 34   | 5.372G         | 35   | 5.295G         | 36   | 5.433G         |
| 37                                               | 5.445G         | 38   | 5.586G         | 39   | 5.609G         | 40   | 5.381G         |
| 41                                               | 5.661G         | 42   | 5.655G         | 43   | 5.469G         | 44   | 5.273G         |
| 45                                               | 5.497G         | 46   | 5.717G         | 47   | 5.356G         | 48   | 5.611G         |
| 49                                               | 5.422G         | 50   | 5.439G         | 51   | 5.620G         | 52   | 5.260G         |
| 53                                               | 5.350G         | 54   | 5.282G         | 55   | 5.666G         | 56   | 5.701G         |
| 57                                               | 5.575G         | 58   | 5.633G         | 59   | 5.472G         | 60   | 5.367G         |
| 61                                               | 5.454G         | 62   | 5.416G         | 63   | 5.508G         | 64   | 5.340G         |
| 65                                               | 5.718G         | 66   | 5.561G         | 67   | 5.283G         | 68   | 5.274G         |
| 69                                               | 5.514G         | 70   | 5.568G         | 71   | 5.361G         | 72   | 5.605G         |
| 73                                               | 5.715G         | 74   | 5.639G         | 75   | 5.576G         | 76   | 5.658G         |
| 77                                               | 5.379G         | 78   | 5.300G         | 79   | 5.482G         | 80   | 5.311G         |
| 81                                               | 5.265G         | 82   | 5.501G         | 83   | 5.523G         | 84   | 5.480G         |
| 85                                               | 5.479G         | 86   | 5.722G         | 87   | 5.335G         | 88   | 5.359G         |
| 89                                               | 5.413G         | 90   | 5.425G         | 91   | 5.516G         | 92   | 5.532G         |
| 93                                               | 5.407G         | 94   | 5.343G         | 95   | 5.419G         | 96   | 5.703G         |
| 97                                               | 5.711G         | 98   | 5.527G         | 99   | 5.695G         | 100  | 5.546G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.357G         | 2    | 5.382G         | 3    | 5.464G         | 4    | 5.556G         |
| 5                                                | 5.456G         | 6    | 5.458G         | 7    | 5.300G         | 8    | 5.616G         |
| 9                                                | 5.582G         | 10   | 5.499G         | 11   | 5.618G         | 12   | 5.402G         |
| 13                                               | 5.250G         | 14   | 5.684G         | 15   | 5.620G         | 16   | 5.723G         |
| 17                                               | 5.265G         | 18   | 5.379G         | 19   | 5.632G         | 20   | 5.486G         |
| 21                                               | 5.606G         | 22   | 5.496G         | 23   | 5.507G         | 24   | 5.411G         |
| 25                                               | 5.598G         | 26   | 5.435G         | 27   | 5.587G         | 28   | 5.373G         |
| 29                                               | 5.381G         | 30   | 5.344G         | 31   | 5.672G         | 32   | 5.480G         |
| 33                                               | 5.455G         | 34   | 5.296G         | 35   | 5.715G         | 36   | 5.409G         |
| 37                                               | 5.371G         | 38   | 5.539G         | 39   | 5.336G         | 40   | 5.557G         |
| 41                                               | 5.506G         | 42   | 5.254G         | 43   | 5.669G         | 44   | 5.405G         |
| 45                                               | 5.420G         | 46   | 5.714G         | 47   | 5.528G         | 48   | 5.701G         |
| 49                                               | 5.363G         | 50   | 5.626G         | 51   | 5.438G         | 52   | 5.542G         |
| 53                                               | 5.685G         | 54   | 5.568G         | 55   | 5.599G         | 56   | 5.595G         |
| 57                                               | 5.299G         | 58   | 5.580G         | 59   | 5.416G         | 60   | 5.372G         |
| 61                                               | 5.312G         | 62   | 5.629G         | 63   | 5.561G         | 64   | 5.393G         |
| 65                                               | 5.307G         | 66   | 5.313G         | 67   | 5.414G         | 68   | 5.417G         |
| 69                                               | 5.696G         | 70   | 5.719G         | 71   | 5.690G         | 72   | 5.627G         |
| 73                                               | 5.617G         | 74   | 5.636G         | 75   | 5.404G         | 76   | 5.593G         |
| 77                                               | 5.678G         | 78   | 5.399G         | 79   | 5.491G         | 80   | 5.304G         |
| 81                                               | 5.643G         | 82   | 5.608G         | 83   | 5.392G         | 84   | 5.263G         |
| 85                                               | 5.589G         | 86   | 5.466G         | 87   | 5.425G         | 88   | 5.553G         |
| 89                                               | 5.707G         | 90   | 5.453G         | 91   | 5.332G         | 92   | 5.590G         |
| 93                                               | 5.594G         | 94   | 5.272G         | 95   | 5.328G         | 96   | 5.708G         |
| 97                                               | 5.449G         | 98   | 5.298G         | 99   | 5.348G         | 100  | 5.365G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.665G         | 2    | 5.500G         | 3    | 5.273G         | 4    | 5.495G         |
| 5                                                | 5.656G         | 6    | 5.481G         | 7    | 5.396G         | 8    | 5.355G         |
| 9                                                | 5.567G         | 10   | 5.431G         | 11   | 5.337G         | 12   | 5.473G         |
| 13                                               | 5.504G         | 14   | 5.320G         | 15   | 5.520G         | 16   | 5.685G         |
| 17                                               | 5.574G         | 18   | 5.638G         | 19   | 5.477G         | 20   | 5.306G         |
| 21                                               | 5.357G         | 22   | 5.255G         | 23   | 5.679G         | 24   | 5.258G         |
| 25                                               | 5.720G         | 26   | 5.564G         | 27   | 5.523G         | 28   | 5.696G         |
| 29                                               | 5.445G         | 30   | 5.290G         | 31   | 5.503G         | 32   | 5.681G         |
| 33                                               | 5.310G         | 34   | 5.446G         | 35   | 5.385G         | 36   | 5.551G         |
| 37                                               | 5.578G         | 38   | 5.279G         | 39   | 5.457G         | 40   | 5.430G         |
| 41                                               | 5.484G         | 42   | 5.657G         | 43   | 5.558G         | 44   | 5.518G         |
| 45                                               | 5.709G         | 46   | 5.492G         | 47   | 5.552G         | 48   | 5.597G         |
| 49                                               | 5.710G         | 50   | 5.527G         | 51   | 5.605G         | 52   | 5.266G         |
| 53                                               | 5.331G         | 54   | 5.300G         | 55   | 5.704G         | 56   | 5.667G         |
| 57                                               | 5.405G         | 58   | 5.352G         | 59   | 5.723G         | 60   | 5.269G         |
| 61                                               | 5.475G         | 62   | 5.659G         | 63   | 5.347G         | 64   | 5.555G         |
| 65                                               | 5.458G         | 66   | 5.628G         | 67   | 5.722G         | 68   | 5.646G         |
| 69                                               | 5.630G         | 70   | 5.340G         | 71   | 5.448G         | 72   | 5.391G         |
| 73                                               | 5.435G         | 74   | 5.612G         | 75   | 5.272G         | 76   | 5.314G         |
| 77                                               | 5.327G         | 78   | 5.476G         | 79   | 5.386G         | 80   | 5.381G         |
| 81                                               | 5.617G         | 82   | 5.443G         | 83   | 5.345G         | 84   | 5.607G         |
| 85                                               | 5.631G         | 86   | 5.374G         | 87   | 5.260G         | 88   | 5.261G         |
| 89                                               | 5.714G         | 90   | 5.287G         | 91   | 5.680G         | 92   | 5.451G         |
| 93                                               | 5.541G         | 94   | 5.265G         | 95   | 5.294G         | 96   | 5.399G         |
| 97                                               | 5.377G         | 98   | 5.432G         | 99   | 5.307G         | 100  | 5.707G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.388G         | 2    | 5.353G         | 3    | 5.492G         | 4    | 5.545G         |
| 5                                                | 5.604G         | 6    | 5.585G         | 7    | 5.355G         | 8    | 5.720G         |
| 9                                                | 5.570G         | 10   | 5.403G         | 11   | 5.454G         | 12   | 5.258G         |
| 13                                               | 5.326G         | 14   | 5.573G         | 15   | 5.342G         | 16   | 5.562G         |
| 17                                               | 5.327G         | 18   | 5.348G         | 19   | 5.634G         | 20   | 5.499G         |
| 21                                               | 5.537G         | 22   | 5.451G         | 23   | 5.554G         | 24   | 5.260G         |
| 25                                               | 5.672G         | 26   | 5.627G         | 27   | 5.300G         | 28   | 5.712G         |
| 29                                               | 5.268G         | 30   | 5.603G         | 31   | 5.558G         | 32   | 5.387G         |
| 33                                               | 5.669G         | 34   | 5.619G         | 35   | 5.701G         | 36   | 5.504G         |
| 37                                               | 5.675G         | 38   | 5.709G         | 39   | 5.394G         | 40   | 5.589G         |
| 41                                               | 5.312G         | 42   | 5.459G         | 43   | 5.686G         | 44   | 5.599G         |
| 45                                               | 5.722G         | 46   | 5.445G         | 47   | 5.255G         | 48   | 5.270G         |
| 49                                               | 5.616G         | 50   | 5.567G         | 51   | 5.252G         | 52   | 5.430G         |
| 53                                               | 5.421G         | 54   | 5.310G         | 55   | 5.593G         | 56   | 5.569G         |
| 57                                               | 5.291G         | 58   | 5.611G         | 59   | 5.439G         | 60   | 5.356G         |
| 61                                               | 5.704G         | 62   | 5.538G         | 63   | 5.346G         | 64   | 5.607G         |
| 65                                               | 5.267G         | 66   | 5.295G         | 67   | 5.651G         | 68   | 5.527G         |
| 69                                               | 5.621G         | 70   | 5.311G         | 71   | 5.695G         | 72   | 5.697G         |
| 73                                               | 5.413G         | 74   | 5.693G         | 75   | 5.340G         | 76   | 5.673G         |
| 77                                               | 5.516G         | 78   | 5.321G         | 79   | 5.706G         | 80   | 5.333G         |
| 81                                               | 5.638G         | 82   | 5.301G         | 83   | 5.515G         | 84   | 5.389G         |
| 85                                               | 5.602G         | 86   | 5.698G         | 87   | 5.415G         | 88   | 5.369G         |
| 89                                               | 5.436G         | 90   | 5.711G         | 91   | 5.262G         | 92   | 5.650G         |
| 93                                               | 5.450G         | 94   | 5.419G         | 95   | 5.580G         | 96   | 5.282G         |
| 97                                               | 5.305G         | 98   | 5.618G         | 99   | 5.399G         | 100  | 5.581G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.501G         | 2    | 5.702G         | 3    | 5.543G         | 4    | 5.629G         |
| 5                                                | 5.576G         | 6    | 5.687G         | 7    | 5.402G         | 8    | 5.504G         |
| 9                                                | 5.487G         | 10   | 5.293G         | 11   | 5.266G         | 12   | 5.562G         |
| 13                                               | 5.276G         | 14   | 5.282G         | 15   | 5.531G         | 16   | 5.535G         |
| 17                                               | 5.649G         | 18   | 5.361G         | 19   | 5.430G         | 20   | 5.529G         |
| 21                                               | 5.485G         | 22   | 5.523G         | 23   | 5.723G         | 24   | 5.471G         |
| 25                                               | 5.719G         | 26   | 5.253G         | 27   | 5.257G         | 28   | 5.414G         |
| 29                                               | 5.601G         | 30   | 5.621G         | 31   | 5.579G         | 32   | 5.600G         |
| 33                                               | 5.708G         | 34   | 5.469G         | 35   | 5.566G         | 36   | 5.552G         |
| 37                                               | 5.653G         | 38   | 5.612G         | 39   | 5.306G         | 40   | 5.557G         |
| 41                                               | 5.550G         | 42   | 5.321G         | 43   | 5.682G         | 44   | 5.415G         |
| 45                                               | 5.305G         | 46   | 5.505G         | 47   | 5.701G         | 48   | 5.433G         |
| 49                                               | 5.657G         | 50   | 5.404G         | 51   | 5.551G         | 52   | 5.545G         |
| 53                                               | 5.264G         | 54   | 5.339G         | 55   | 5.685G         | 56   | 5.442G         |
| 57                                               | 5.399G         | 58   | 5.636G         | 59   | 5.556G         | 60   | 5.525G         |
| 61                                               | 5.381G         | 62   | 5.666G         | 63   | 5.420G         | 64   | 5.389G         |
| 65                                               | 5.628G         | 66   | 5.397G         | 67   | 5.617G         | 68   | 5.400G         |
| 69                                               | 5.313G         | 70   | 5.391G         | 71   | 5.440G         | 72   | 5.615G         |
| 73                                               | 5.474G         | 74   | 5.307G         | 75   | 5.463G         | 76   | 5.611G         |
| 77                                               | 5.398G         | 78   | 5.340G         | 79   | 5.534G         | 80   | 5.330G         |
| 81                                               | 5.546G         | 82   | 5.284G         | 83   | 5.537G         | 84   | 5.625G         |
| 85                                               | 5.296G         | 86   | 5.259G         | 87   | 5.299G         | 88   | 5.401G         |
| 89                                               | 5.382G         | 90   | 5.547G         | 91   | 5.492G         | 92   | 5.518G         |
| 93                                               | 5.443G         | 94   | 5.376G         | 95   | 5.457G         | 96   | 5.473G         |
| 97                                               | 5.470G         | 98   | 5.539G         | 99   | 5.603G         | 100  | 5.290G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.471G         | 2    | 5.572G         | 3    | 5.333G         | 4    | 5.307G         |
| 5                                                | 5.392G         | 6    | 5.555G         | 7    | 5.469G         | 8    | 5.531G         |
| 9                                                | 5.523G         | 10   | 5.339G         | 11   | 5.686G         | 12   | 5.538G         |
| 13                                               | 5.512G         | 14   | 5.520G         | 15   | 5.713G         | 16   | 5.621G         |
| 17                                               | 5.660G         | 18   | 5.434G         | 19   | 5.613G         | 20   | 5.430G         |
| 21                                               | 5.387G         | 22   | 5.589G         | 23   | 5.273G         | 24   | 5.385G         |
| 25                                               | 5.299G         | 26   | 5.619G         | 27   | 5.458G         | 28   | 5.563G         |
| 29                                               | 5.679G         | 30   | 5.446G         | 31   | 5.399G         | 32   | 5.321G         |
| 33                                               | 5.297G         | 34   | 5.647G         | 35   | 5.432G         | 36   | 5.668G         |
| 37                                               | 5.271G         | 38   | 5.503G         | 39   | 5.353G         | 40   | 5.290G         |
| 41                                               | 5.376G         | 42   | 5.326G         | 43   | 5.500G         | 44   | 5.675G         |
| 45                                               | 5.316G         | 46   | 5.580G         | 47   | 5.501G         | 48   | 5.677G         |
| 49                                               | 5.554G         | 50   | 5.415G         | 51   | 5.709G         | 52   | 5.498G         |
| 53                                               | 5.528G         | 54   | 5.288G         | 55   | 5.449G         | 56   | 5.630G         |
| 57                                               | 5.417G         | 58   | 5.536G         | 59   | 5.255G         | 60   | 5.639G         |
| 61                                               | 5.669G         | 62   | 5.482G         | 63   | 5.324G         | 64   | 5.591G         |
| 65                                               | 5.452G         | 66   | 5.502G         | 67   | 5.567G         | 68   | 5.542G         |
| 69                                               | 5.251G         | 70   | 5.718G         | 71   | 5.436G         | 72   | 5.695G         |
| 73                                               | 5.348G         | 74   | 5.525G         | 75   | 5.358G         | 76   | 5.466G         |
| 77                                               | 5.470G         | 78   | 5.712G         | 79   | 5.314G         | 80   | 5.394G         |
| 81                                               | 5.263G         | 82   | 5.391G         | 83   | 5.625G         | 84   | 5.483G         |
| 85                                               | 5.666G         | 86   | 5.537G         | 87   | 5.517G         | 88   | 5.653G         |
| 89                                               | 5.429G         | 90   | 5.305G         | 91   | 5.607G         | 92   | 5.298G         |
| 93                                               | 5.284G         | 94   | 5.687G         | 95   | 5.426G         | 96   | 5.623G         |
| 97                                               | 5.453G         | 98   | 5.388G         | 99   | 5.673G         | 100  | 5.608G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.673G         | 2    | 5.401G         | 3    | 5.697G         | 4    | 5.716G         |
| 5                                                | 5.619G         | 6    | 5.251G         | 7    | 5.708G         | 8    | 5.499G         |
| 9                                                | 5.294G         | 10   | 5.565G         | 11   | 5.300G         | 12   | 5.593G         |
| 13                                               | 5.567G         | 14   | 5.549G         | 15   | 5.581G         | 16   | 5.598G         |
| 17                                               | 5.364G         | 18   | 5.571G         | 19   | 5.720G         | 20   | 5.589G         |
| 21                                               | 5.486G         | 22   | 5.534G         | 23   | 5.301G         | 24   | 5.569G         |
| 25                                               | 5.487G         | 26   | 5.652G         | 27   | 5.703G         | 28   | 5.586G         |
| 29                                               | 5.426G         | 30   | 5.509G         | 31   | 5.514G         | 32   | 5.525G         |
| 33                                               | 5.590G         | 34   | 5.453G         | 35   | 5.513G         | 36   | 5.685G         |
| 37                                               | 5.398G         | 38   | 5.602G         | 39   | 5.632G         | 40   | 5.377G         |
| 41                                               | 5.459G         | 42   | 5.664G         | 43   | 5.686G         | 44   | 5.408G         |
| 45                                               | 5.292G         | 46   | 5.307G         | 47   | 5.706G         | 48   | 5.387G         |
| 49                                               | 5.696G         | 50   | 5.298G         | 51   | 5.717G         | 52   | 5.721G         |
| 53                                               | 5.478G         | 54   | 5.381G         | 55   | 5.563G         | 56   | 5.468G         |
| 57                                               | 5.416G         | 58   | 5.325G         | 59   | 5.382G         | 60   | 5.680G         |
| 61                                               | 5.670G         | 62   | 5.681G         | 63   | 5.545G         | 64   | 5.316G         |
| 65                                               | 5.639G         | 66   | 5.614G         | 67   | 5.512G         | 68   | 5.419G         |
| 69                                               | 5.272G         | 70   | 5.302G         | 71   | 5.331G         | 72   | 5.659G         |
| 73                                               | 5.679G         | 74   | 5.526G         | 75   | 5.592G         | 76   | 5.576G         |
| 77                                               | 5.719G         | 78   | 5.397G         | 79   | 5.653G         | 80   | 5.551G         |
| 81                                               | 5.395G         | 82   | 5.353G         | 83   | 5.498G         | 84   | 5.405G         |
| 85                                               | 5.692G         | 86   | 5.374G         | 87   | 5.368G         | 88   | 5.434G         |
| 89                                               | 5.492G         | 90   | 5.271G         | 91   | 5.601G         | 92   | 5.273G         |
| 93                                               | 5.475G         | 94   | 5.322G         | 95   | 5.612G         | 96   | 5.350G         |
| 97                                               | 5.362G         | 98   | 5.517G         | 99   | 5.683G         | 100  | 5.712G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.263G         | 2    | 5.355G         | 3    | 5.702G         | 4    | 5.382G         |
| 5                                                | 5.577G         | 6    | 5.648G         | 7    | 5.265G         | 8    | 5.516G         |
| 9                                                | 5.491G         | 10   | 5.566G         | 11   | 5.692G         | 12   | 5.363G         |
| 13                                               | 5.319G         | 14   | 5.469G         | 15   | 5.448G         | 16   | 5.507G         |
| 17                                               | 5.414G         | 18   | 5.708G         | 19   | 5.348G         | 20   | 5.644G         |
| 21                                               | 5.620G         | 22   | 5.449G         | 23   | 5.314G         | 24   | 5.674G         |
| 25                                               | 5.597G         | 26   | 5.723G         | 27   | 5.389G         | 28   | 5.509G         |
| 29                                               | 5.353G         | 30   | 5.317G         | 31   | 5.675G         | 32   | 5.392G         |
| 33                                               | 5.574G         | 34   | 5.568G         | 35   | 5.352G         | 36   | 5.659G         |
| 37                                               | 5.250G         | 38   | 5.408G         | 39   | 5.704G         | 40   | 5.681G         |
| 41                                               | 5.256G         | 42   | 5.388G         | 43   | 5.718G         | 44   | 5.466G         |
| 45                                               | 5.661G         | 46   | 5.270G         | 47   | 5.432G         | 48   | 5.683G         |
| 49                                               | 5.299G         | 50   | 5.627G         | 51   | 5.506G         | 52   | 5.343G         |
| 53                                               | 5.486G         | 54   | 5.366G         | 55   | 5.385G         | 56   | 5.406G         |
| 57                                               | 5.713G         | 58   | 5.709G         | 59   | 5.641G         | 60   | 5.714G         |
| 61                                               | 5.647G         | 62   | 5.460G         | 63   | 5.360G         | 64   | 5.544G         |
| 65                                               | 5.259G         | 66   | 5.722G         | 67   | 5.273G         | 68   | 5.457G         |
| 69                                               | 5.344G         | 70   | 5.303G         | 71   | 5.576G         | 72   | 5.498G         |
| 73                                               | 5.422G         | 74   | 5.439G         | 75   | 5.587G         | 76   | 5.454G         |
| 77                                               | 5.435G         | 78   | 5.676G         | 79   | 5.415G         | 80   | 5.285G         |
| 81                                               | 5.578G         | 82   | 5.545G         | 83   | 5.412G         | 84   | 5.624G         |
| 85                                               | 5.417G         | 86   | 5.530G         | 87   | 5.667G         | 88   | 5.338G         |
| 89                                               | 5.612G         | 90   | 5.266G         | 91   | 5.337G         | 92   | 5.476G         |
| 93                                               | 5.588G         | 94   | 5.690G         | 95   | 5.345G         | 96   | 5.482G         |
| 97                                               | 5.444G         | 98   | 5.295G         | 99   | 5.419G         | 100  | 5.426G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.302G         | 2    | 5.691G         | 3    | 5.421G         | 4    | 5.695G         |
| 5                                                | 5.673G         | 6    | 5.539G         | 7    | 5.484G         | 8    | 5.367G         |
| 9                                                | 5.665G         | 10   | 5.344G         | 11   | 5.590G         | 12   | 5.321G         |
| 13                                               | 5.305G         | 14   | 5.292G         | 15   | 5.576G         | 16   | 5.718G         |
| 17                                               | 5.328G         | 18   | 5.573G         | 19   | 5.361G         | 20   | 5.331G         |
| 21                                               | 5.708G         | 22   | 5.516G         | 23   | 5.338G         | 24   | 5.629G         |
| 25                                               | 5.680G         | 26   | 5.415G         | 27   | 5.351G         | 28   | 5.264G         |
| 29                                               | 5.528G         | 30   | 5.488G         | 31   | 5.561G         | 32   | 5.541G         |
| 33                                               | 5.563G         | 34   | 5.723G         | 35   | 5.411G         | 36   | 5.591G         |
| 37                                               | 5.621G         | 38   | 5.668G         | 39   | 5.659G         | 40   | 5.623G         |
| 41                                               | 5.323G         | 42   | 5.373G         | 43   | 5.630G         | 44   | 5.538G         |
| 45                                               | 5.717G         | 46   | 5.453G         | 47   | 5.451G         | 48   | 5.520G         |
| 49                                               | 5.505G         | 50   | 5.575G         | 51   | 5.641G         | 52   | 5.554G         |
| 53                                               | 5.587G         | 54   | 5.669G         | 55   | 5.314G         | 56   | 5.420G         |
| 57                                               | 5.645G         | 58   | 5.459G         | 59   | 5.664G         | 60   | 5.329G         |
| 61                                               | 5.567G         | 62   | 5.464G         | 63   | 5.359G         | 64   | 5.706G         |
| 65                                               | 5.596G         | 66   | 5.434G         | 67   | 5.482G         | 68   | 5.313G         |
| 69                                               | 5.676G         | 70   | 5.529G         | 71   | 5.369G         | 72   | 5.504G         |
| 73                                               | 5.388G         | 74   | 5.315G         | 75   | 5.435G         | 76   | 5.483G         |
| 77                                               | 5.282G         | 78   | 5.704G         | 79   | 5.337G         | 80   | 5.307G         |
| 81                                               | 5.465G         | 82   | 5.412G         | 83   | 5.477G         | 84   | 5.372G         |
| 85                                               | 5.447G         | 86   | 5.322G         | 87   | 5.617G         | 88   | 5.707G         |
| 89                                               | 5.506G         | 90   | 5.310G         | 91   | 5.517G         | 92   | 5.527G         |
| 93                                               | 5.526G         | 94   | 5.425G         | 95   | 5.709G         | 96   | 5.386G         |
| 97                                               | 5.540G         | 98   | 5.259G         | 99   | 5.558G         | 100  | 5.345G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.654G         | 2    | 5.398G         | 3    | 5.470G         | 4    | 5.660G         |
| 5                                                | 5.519G         | 6    | 5.321G         | 7    | 5.527G         | 8    | 5.513G         |
| 9                                                | 5.293G         | 10   | 5.600G         | 11   | 5.440G         | 12   | 5.302G         |
| 13                                               | 5.363G         | 14   | 5.491G         | 15   | 5.637G         | 16   | 5.450G         |
| 17                                               | 5.457G         | 18   | 5.683G         | 19   | 5.390G         | 20   | 5.535G         |
| 21                                               | 5.388G         | 22   | 5.546G         | 23   | 5.472G         | 24   | 5.534G         |
| 25                                               | 5.386G         | 26   | 5.595G         | 27   | 5.543G         | 28   | 5.394G         |
| 29                                               | 5.471G         | 30   | 5.320G         | 31   | 5.634G         | 32   | 5.458G         |
| 33                                               | 5.719G         | 34   | 5.566G         | 35   | 5.407G         | 36   | 5.677G         |
| 37                                               | 5.565G         | 38   | 5.524G         | 39   | 5.716G         | 40   | 5.681G         |
| 41                                               | 5.718G         | 42   | 5.486G         | 43   | 5.496G         | 44   | 5.709G         |
| 45                                               | 5.481G         | 46   | 5.482G         | 47   | 5.655G         | 48   | 5.572G         |
| 49                                               | 5.377G         | 50   | 5.704G         | 51   | 5.373G         | 52   | 5.528G         |
| 53                                               | 5.706G         | 54   | 5.666G         | 55   | 5.622G         | 56   | 5.614G         |
| 57                                               | 5.627G         | 58   | 5.349G         | 59   | 5.515G         | 60   | 5.422G         |
| 61                                               | 5.501G         | 62   | 5.617G         | 63   | 5.253G         | 64   | 5.281G         |
| 65                                               | 5.287G         | 66   | 5.526G         | 67   | 5.542G         | 68   | 5.673G         |
| 69                                               | 5.261G         | 70   | 5.498G         | 71   | 5.435G         | 72   | 5.480G         |
| 73                                               | 5.705G         | 74   | 5.668G         | 75   | 5.618G         | 76   | 5.536G         |
| 77                                               | 5.484G         | 78   | 5.529G         | 79   | 5.343G         | 80   | 5.374G         |
| 81                                               | 5.339G         | 82   | 5.552G         | 83   | 5.478G         | 84   | 5.475G         |
| 85                                               | 5.446G         | 86   | 5.329G         | 87   | 5.620G         | 88   | 5.447G         |
| 89                                               | 5.341G         | 90   | 5.304G         | 91   | 5.588G         | 92   | 5.591G         |
| 93                                               | 5.477G         | 94   | 5.664G         | 95   | 5.334G         | 96   | 5.357G         |
| 97                                               | 5.667G         | 98   | 5.579G         | 99   | 5.506G         | 100  | 5.412G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.675G         | 2    | 5.480G         | 3    | 5.267G         | 4    | 5.630G         |
| 5                                                | 5.596G         | 6    | 5.633G         | 7    | 5.253G         | 8    | 5.317G         |
| 9                                                | 5.273G         | 10   | 5.362G         | 11   | 5.522G         | 12   | 5.594G         |
| 13                                               | 5.642G         | 14   | 5.547G         | 15   | 5.503G         | 16   | 5.672G         |
| 17                                               | 5.449G         | 18   | 5.316G         | 19   | 5.569G         | 20   | 5.555G         |
| 21                                               | 5.498G         | 22   | 5.710G         | 23   | 5.722G         | 24   | 5.682G         |
| 25                                               | 5.308G         | 26   | 5.598G         | 27   | 5.276G         | 28   | 5.495G         |
| 29                                               | 5.493G         | 30   | 5.593G         | 31   | 5.643G         | 32   | 5.377G         |
| 33                                               | 5.670G         | 34   | 5.294G         | 35   | 5.369G         | 36   | 5.714G         |
| 37                                               | 5.516G         | 38   | 5.648G         | 39   | 5.357G         | 40   | 5.621G         |
| 41                                               | 5.264G         | 42   | 5.261G         | 43   | 5.504G         | 44   | 5.392G         |
| 45                                               | 5.295G         | 46   | 5.334G         | 47   | 5.439G         | 48   | 5.305G         |
| 49                                               | 5.581G         | 50   | 5.624G         | 51   | 5.272G         | 52   | 5.297G         |
| 53                                               | 5.488G         | 54   | 5.629G         | 55   | 5.304G         | 56   | 5.368G         |
| 57                                               | 5.391G         | 58   | 5.379G         | 59   | 5.274G         | 60   | 5.263G         |
| 61                                               | 5.687G         | 62   | 5.285G         | 63   | 5.639G         | 64   | 5.347G         |
| 65                                               | 5.640G         | 66   | 5.579G         | 67   | 5.278G         | 68   | 5.705G         |
| 69                                               | 5.491G         | 70   | 5.250G         | 71   | 5.592G         | 72   | 5.344G         |
| 73                                               | 5.560G         | 74   | 5.321G         | 75   | 5.646G         | 76   | 5.563G         |
| 77                                               | 5.339G         | 78   | 5.453G         | 79   | 5.677G         | 80   | 5.507G         |
| 81                                               | 5.605G         | 82   | 5.617G         | 83   | 5.389G         | 84   | 5.462G         |
| 85                                               | 5.378G         | 86   | 5.390G         | 87   | 5.583G         | 88   | 5.469G         |
| 89                                               | 5.338G         | 90   | 5.568G         | 91   | 5.448G         | 92   | 5.329G         |
| 93                                               | 5.388G         | 94   | 5.380G         | 95   | 5.564G         | 96   | 5.418G         |
| 97                                               | 5.668G         | 98   | 5.303G         | 99   | 5.693G         | 100  | 5.404G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.553G         | 2    | 5.630G         | 3    | 5.296G         | 4    | 5.685G         |
| 5                                                | 5.719G         | 6    | 5.441G         | 7    | 5.582G         | 8    | 5.386G         |
| 9                                                | 5.563G         | 10   | 5.689G         | 11   | 5.663G         | 12   | 5.610G         |
| 13                                               | 5.456G         | 14   | 5.352G         | 15   | 5.524G         | 16   | 5.586G         |
| 17                                               | 5.435G         | 18   | 5.270G         | 19   | 5.353G         | 20   | 5.534G         |
| 21                                               | 5.575G         | 22   | 5.470G         | 23   | 5.465G         | 24   | 5.671G         |
| 25                                               | 5.278G         | 26   | 5.604G         | 27   | 5.406G         | 28   | 5.475G         |
| 29                                               | 5.652G         | 30   | 5.550G         | 31   | 5.381G         | 32   | 5.443G         |
| 33                                               | 5.531G         | 34   | 5.307G         | 35   | 5.411G         | 36   | 5.634G         |
| 37                                               | 5.412G         | 38   | 5.568G         | 39   | 5.709G         | 40   | 5.626G         |
| 41                                               | 5.339G         | 42   | 5.621G         | 43   | 5.469G         | 44   | 5.327G         |
| 45                                               | 5.560G         | 46   | 5.501G         | 47   | 5.362G         | 48   | 5.314G         |
| 49                                               | 5.640G         | 50   | 5.667G         | 51   | 5.650G         | 52   | 5.710G         |
| 53                                               | 5.287G         | 54   | 5.544G         | 55   | 5.500G         | 56   | 5.617G         |
| 57                                               | 5.419G         | 58   | 5.334G         | 59   | 5.683G         | 60   | 5.533G         |
| 61                                               | 5.678G         | 62   | 5.447G         | 63   | 5.497G         | 64   | 5.715G         |
| 65                                               | 5.397G         | 66   | 5.356G         | 67   | 5.450G         | 68   | 5.658G         |
| 69                                               | 5.257G         | 70   | 5.618G         | 71   | 5.635G         | 72   | 5.696G         |
| 73                                               | 5.448G         | 74   | 5.371G         | 75   | 5.514G         | 76   | 5.579G         |
| 77                                               | 5.496G         | 78   | 5.439G         | 79   | 5.330G         | 80   | 5.250G         |
| 81                                               | 5.698G         | 82   | 5.482G         | 83   | 5.651G         | 84   | 5.564G         |
| 85                                               | 5.429G         | 86   | 5.494G         | 87   | 5.616G         | 88   | 5.676G         |
| 89                                               | 5.251G         | 90   | 5.253G         | 91   | 5.272G         | 92   | 5.644G         |
| 93                                               | 5.393G         | 94   | 5.628G         | 95   | 5.313G         | 96   | 5.665G         |
| 97                                               | 5.446G         | 98   | 5.624G         | 99   | 5.389G         | 100  | 5.484G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.580G         | 2    | 5.447G         | 3    | 5.392G         | 4    | 5.691G         |
| 5                                                | 5.576G         | 6    | 5.444G         | 7    | 5.397G         | 8    | 5.477G         |
| 9                                                | 5.296G         | 10   | 5.288G         | 11   | 5.323G         | 12   | 5.608G         |
| 13                                               | 5.325G         | 14   | 5.313G         | 15   | 5.307G         | 16   | 5.350G         |
| 17                                               | 5.345G         | 18   | 5.396G         | 19   | 5.367G         | 20   | 5.648G         |
| 21                                               | 5.717G         | 22   | 5.577G         | 23   | 5.373G         | 24   | 5.401G         |
| 25                                               | 5.537G         | 26   | 5.438G         | 27   | 5.375G         | 28   | 5.689G         |
| 29                                               | 5.501G         | 30   | 5.498G         | 31   | 5.380G         | 32   | 5.439G         |
| 33                                               | 5.340G         | 34   | 5.645G         | 35   | 5.348G         | 36   | 5.636G         |
| 37                                               | 5.533G         | 38   | 5.437G         | 39   | 5.329G         | 40   | 5.291G         |
| 41                                               | 5.363G         | 42   | 5.278G         | 43   | 5.298G         | 44   | 5.255G         |
| 45                                               | 5.667G         | 46   | 5.379G         | 47   | 5.626G         | 48   | 5.354G         |
| 49                                               | 5.374G         | 50   | 5.364G         | 51   | 5.299G         | 52   | 5.552G         |
| 53                                               | 5.609G         | 54   | 5.459G         | 55   | 5.508G         | 56   | 5.516G         |
| 57                                               | 5.641G         | 58   | 5.446G         | 59   | 5.661G         | 60   | 5.700G         |
| 61                                               | 5.633G         | 62   | 5.346G         | 63   | 5.337G         | 64   | 5.642G         |
| 65                                               | 5.388G         | 66   | 5.265G         | 67   | 5.586G         | 68   | 5.435G         |
| 69                                               | 5.318G         | 70   | 5.674G         | 71   | 5.623G         | 72   | 5.594G         |
| 73                                               | 5.272G         | 74   | 5.680G         | 75   | 5.565G         | 76   | 5.721G         |
| 77                                               | 5.341G         | 78   | 5.338G         | 79   | 5.562G         | 80   | 5.409G         |
| 81                                               | 5.614G         | 82   | 5.369G         | 83   | 5.475G         | 84   | 5.544G         |
| 85                                               | 5.649G         | 86   | 5.411G         | 87   | 5.327G         | 88   | 5.651G         |
| 89                                               | 5.500G         | 90   | 5.520G         | 91   | 5.257G         | 92   | 5.551G         |
| 93                                               | 5.583G         | 94   | 5.424G         | 95   | 5.541G         | 96   | 5.723G         |
| 97                                               | 5.601G         | 98   | 5.322G         | 99   | 5.620G         | 100  | 5.557G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.634G         | 2    | 5.567G         | 3    | 5.338G         | 4    | 5.557G         |
| 5                                                | 5.457G         | 6    | 5.390G         | 7    | 5.337G         | 8    | 5.443G         |
| 9                                                | 5.667G         | 10   | 5.418G         | 11   | 5.452G         | 12   | 5.349G         |
| 13                                               | 5.485G         | 14   | 5.437G         | 15   | 5.287G         | 16   | 5.377G         |
| 17                                               | 5.324G         | 18   | 5.583G         | 19   | 5.306G         | 20   | 5.578G         |
| 21                                               | 5.712G         | 22   | 5.684G         | 23   | 5.588G         | 24   | 5.343G         |
| 25                                               | 5.267G         | 26   | 5.657G         | 27   | 5.651G         | 28   | 5.496G         |
| 29                                               | 5.478G         | 30   | 5.671G         | 31   | 5.367G         | 32   | 5.462G         |
| 33                                               | 5.609G         | 34   | 5.624G         | 35   | 5.255G         | 36   | 5.332G         |
| 37                                               | 5.399G         | 38   | 5.703G         | 39   | 5.385G         | 40   | 5.545G         |
| 41                                               | 5.436G         | 42   | 5.266G         | 43   | 5.469G         | 44   | 5.560G         |
| 45                                               | 5.273G         | 46   | 5.431G         | 47   | 5.401G         | 48   | 5.600G         |
| 49                                               | 5.364G         | 50   | 5.687G         | 51   | 5.561G         | 52   | 5.625G         |
| 53                                               | 5.284G         | 54   | 5.468G         | 55   | 5.422G         | 56   | 5.376G         |
| 57                                               | 5.497G         | 58   | 5.615G         | 59   | 5.659G         | 60   | 5.523G         |
| 61                                               | 5.341G         | 62   | 5.455G         | 63   | 5.409G         | 64   | 5.479G         |
| 65                                               | 5.481G         | 66   | 5.498G         | 67   | 5.280G         | 68   | 5.704G         |
| 69                                               | 5.713G         | 70   | 5.470G         | 71   | 5.366G         | 72   | 5.356G         |
| 73                                               | 5.416G         | 74   | 5.607G         | 75   | 5.256G         | 76   | 5.454G         |
| 77                                               | 5.275G         | 78   | 5.420G         | 79   | 5.421G         | 80   | 5.627G         |
| 81                                               | 5.714G         | 82   | 5.542G         | 83   | 5.281G         | 84   | 5.289G         |
| 85                                               | 5.359G         | 86   | 5.311G         | 87   | 5.573G         | 88   | 5.645G         |
| 89                                               | 5.623G         | 90   | 5.690G         | 91   | 5.296G         | 92   | 5.465G         |
| 93                                               | 5.373G         | 94   | 5.509G         | 95   | 5.369G         | 96   | 5.282G         |
| 97                                               | 5.372G         | 98   | 5.348G         | 99   | 5.547G         | 100  | 5.681G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.301G         | 2    | 5.473G         | 3    | 5.670G         | 4    | 5.364G         |
| 5                                                | 5.667G         | 6    | 5.471G         | 7    | 5.477G         | 8    | 5.508G         |
| 9                                                | 5.556G         | 10   | 5.320G         | 11   | 5.359G         | 12   | 5.558G         |
| 13                                               | 5.314G         | 14   | 5.581G         | 15   | 5.624G         | 16   | 5.656G         |
| 17                                               | 5.446G         | 18   | 5.502G         | 19   | 5.303G         | 20   | 5.361G         |
| 21                                               | 5.655G         | 22   | 5.485G         | 23   | 5.531G         | 24   | 5.406G         |
| 25                                               | 5.719G         | 26   | 5.565G         | 27   | 5.421G         | 28   | 5.657G         |
| 29                                               | 5.677G         | 30   | 5.307G         | 31   | 5.313G         | 32   | 5.537G         |
| 33                                               | 5.648G         | 34   | 5.542G         | 35   | 5.724G         | 36   | 5.689G         |
| 37                                               | 5.264G         | 38   | 5.611G         | 39   | 5.343G         | 40   | 5.405G         |
| 41                                               | 5.649G         | 42   | 5.414G         | 43   | 5.682G         | 44   | 5.325G         |
| 45                                               | 5.341G         | 46   | 5.296G         | 47   | 5.390G         | 48   | 5.614G         |
| 49                                               | 5.260G         | 50   | 5.567G         | 51   | 5.294G         | 52   | 5.444G         |
| 53                                               | 5.384G         | 54   | 5.275G         | 55   | 5.606G         | 56   | 5.460G         |
| 57                                               | 5.457G         | 58   | 5.373G         | 59   | 5.277G         | 60   | 5.713G         |
| 61                                               | 5.284G         | 62   | 5.602G         | 63   | 5.413G         | 64   | 5.478G         |
| 65                                               | 5.647G         | 66   | 5.544G         | 67   | 5.660G         | 68   | 5.626G         |
| 69                                               | 5.609G         | 70   | 5.439G         | 71   | 5.548G         | 72   | 5.358G         |
| 73                                               | 5.585G         | 74   | 5.643G         | 75   | 5.319G         | 76   | 5.597G         |
| 77                                               | 5.526G         | 78   | 5.554G         | 79   | 5.372G         | 80   | 5.493G         |
| 81                                               | 5.271G         | 82   | 5.340G         | 83   | 5.286G         | 84   | 5.506G         |
| 85                                               | 5.367G         | 86   | 5.662G         | 87   | 5.678G         | 88   | 5.467G         |
| 89                                               | 5.309G         | 90   | 5.424G         | 91   | 5.536G         | 92   | 5.632G         |
| 93                                               | 5.703G         | 94   | 5.386G         | 95   | 5.651G         | 96   | 5.570G         |
| 97                                               | 5.716G         | 98   | 5.253G         | 99   | 5.644G         | 100  | 5.491G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.291G         | 2    | 5.604G         | 3    | 5.711G         | 4    | 5.721G         |
| 5                                                | 5.310G         | 6    | 5.283G         | 7    | 5.413G         | 8    | 5.623G         |
| 9                                                | 5.595G         | 10   | 5.570G         | 11   | 5.603G         | 12   | 5.338G         |
| 13                                               | 5.416G         | 14   | 5.439G         | 15   | 5.432G         | 16   | 5.523G         |
| 17                                               | 5.428G         | 18   | 5.468G         | 19   | 5.334G         | 20   | 5.656G         |
| 21                                               | 5.387G         | 22   | 5.611G         | 23   | 5.608G         | 24   | 5.385G         |
| 25                                               | 5.687G         | 26   | 5.363G         | 27   | 5.622G         | 28   | 5.682G         |
| 29                                               | 5.503G         | 30   | 5.696G         | 31   | 5.565G         | 32   | 5.336G         |
| 33                                               | 5.449G         | 34   | 5.321G         | 35   | 5.396G         | 36   | 5.300G         |
| 37                                               | 5.620G         | 38   | 5.599G         | 39   | 5.456G         | 40   | 5.673G         |
| 41                                               | 5.712G         | 42   | 5.315G         | 43   | 5.355G         | 44   | 5.613G         |
| 45                                               | 5.636G         | 46   | 5.590G         | 47   | 5.312G         | 48   | 5.557G         |
| 49                                               | 5.305G         | 50   | 5.380G         | 51   | 5.605G         | 52   | 5.384G         |
| 53                                               | 5.463G         | 54   | 5.400G         | 55   | 5.451G         | 56   | 5.643G         |
| 57                                               | 5.264G         | 58   | 5.724G         | 59   | 5.415G         | 60   | 5.640G         |
| 61                                               | 5.316G         | 62   | 5.579G         | 63   | 5.267G         | 64   | 5.375G         |
| 65                                               | 5.671G         | 66   | 5.547G         | 67   | 5.391G         | 68   | 5.318G         |
| 69                                               | 5.619G         | 70   | 5.537G         | 71   | 5.342G         | 72   | 5.271G         |
| 73                                               | 5.661G         | 74   | 5.542G         | 75   | 5.669G         | 76   | 5.710G         |
| 77                                               | 5.574G         | 78   | 5.586G         | 79   | 5.524G         | 80   | 5.378G         |
| 81                                               | 5.659G         | 82   | 5.423G         | 83   | 5.644G         | 84   | 5.258G         |
| 85                                               | 5.268G         | 86   | 5.377G         | 87   | 5.462G         | 88   | 5.529G         |
| 89                                               | 5.577G         | 90   | 5.684G         | 91   | 5.628G         | 92   | 5.648G         |
| 93                                               | 5.703G         | 94   | 5.543G         | 95   | 5.641G         | 96   | 5.531G         |
| 97                                               | 5.361G         | 98   | 5.365G         | 99   | 5.297G         | 100  | 5.362G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.521G         | 2    | 5.365G         | 3    | 5.664G         | 4    | 5.548G         |
| 5                                                | 5.281G         | 6    | 5.534G         | 7    | 5.546G         | 8    | 5.276G         |
| 9                                                | 5.275G         | 10   | 5.292G         | 11   | 5.301G         | 12   | 5.597G         |
| 13                                               | 5.316G         | 14   | 5.595G         | 15   | 5.667G         | 16   | 5.641G         |
| 17                                               | 5.589G         | 18   | 5.269G         | 19   | 5.619G         | 20   | 5.611G         |
| 21                                               | 5.399G         | 22   | 5.274G         | 23   | 5.508G         | 24   | 5.333G         |
| 25                                               | 5.307G         | 26   | 5.605G         | 27   | 5.699G         | 28   | 5.604G         |
| 29                                               | 5.474G         | 30   | 5.435G         | 31   | 5.551G         | 32   | 5.693G         |
| 33                                               | 5.253G         | 34   | 5.700G         | 35   | 5.347G         | 36   | 5.405G         |
| 37                                               | 5.425G         | 38   | 5.309G         | 39   | 5.496G         | 40   | 5.343G         |
| 41                                               | 5.422G         | 42   | 5.341G         | 43   | 5.498G         | 44   | 5.433G         |
| 45                                               | 5.408G         | 46   | 5.633G         | 47   | 5.362G         | 48   | 5.639G         |
| 49                                               | 5.663G         | 50   | 5.550G         | 51   | 5.610G         | 52   | 5.487G         |
| 53                                               | 5.381G         | 54   | 5.349G         | 55   | 5.598G         | 56   | 5.657G         |
| 57                                               | 5.599G         | 58   | 5.300G         | 59   | 5.272G         | 60   | 5.383G         |
| 61                                               | 5.531G         | 62   | 5.560G         | 63   | 5.367G         | 64   | 5.417G         |
| 65                                               | 5.295G         | 66   | 5.661G         | 67   | 5.632G         | 68   | 5.557G         |
| 69                                               | 5.437G         | 70   | 5.416G         | 71   | 5.622G         | 72   | 5.704G         |
| 73                                               | 5.488G         | 74   | 5.370G         | 75   | 5.317G         | 76   | 5.583G         |
| 77                                               | 5.642G         | 78   | 5.407G         | 79   | 5.410G         | 80   | 5.715G         |
| 81                                               | 5.658G         | 82   | 5.466G         | 83   | 5.593G         | 84   | 5.532G         |
| 85                                               | 5.375G         | 86   | 5.252G         | 87   | 5.378G         | 88   | 5.578G         |
| 89                                               | 5.697G         | 90   | 5.413G         | 91   | 5.396G         | 92   | 5.293G         |
| 93                                               | 5.629G         | 94   | 5.371G         | 95   | 5.500G         | 96   | 5.411G         |
| 97                                               | 5.592G         | 98   | 5.460G         | 99   | 5.567G         | 100  | 5.288G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.289G         | 2    | 5.358G         | 3    | 5.453G         | 4    | 5.440G         |
| 5                                                | 5.312G         | 6    | 5.469G         | 7    | 5.701G         | 8    | 5.292G         |
| 9                                                | 5.309G         | 10   | 5.467G         | 11   | 5.342G         | 12   | 5.695G         |
| 13                                               | 5.525G         | 14   | 5.473G         | 15   | 5.569G         | 16   | 5.529G         |
| 17                                               | 5.334G         | 18   | 5.588G         | 19   | 5.532G         | 20   | 5.592G         |
| 21                                               | 5.443G         | 22   | 5.722G         | 23   | 5.454G         | 24   | 5.508G         |
| 25                                               | 5.378G         | 26   | 5.487G         | 27   | 5.338G         | 28   | 5.496G         |
| 29                                               | 5.434G         | 30   | 5.663G         | 31   | 5.633G         | 32   | 5.531G         |
| 33                                               | 5.463G         | 34   | 5.616G         | 35   | 5.630G         | 36   | 5.333G         |
| 37                                               | 5.626G         | 38   | 5.468G         | 39   | 5.363G         | 40   | 5.279G         |
| 41                                               | 5.404G         | 42   | 5.311G         | 43   | 5.683G         | 44   | 5.416G         |
| 45                                               | 5.368G         | 46   | 5.484G         | 47   | 5.310G         | 48   | 5.702G         |
| 49                                               | 5.514G         | 50   | 5.542G         | 51   | 5.421G         | 52   | 5.268G         |
| 53                                               | 5.283G         | 54   | 5.520G         | 55   | 5.457G         | 56   | 5.438G         |
| 57                                               | 5.493G         | 58   | 5.323G         | 59   | 5.266G         | 60   | 5.331G         |
| 61                                               | 5.433G         | 62   | 5.715G         | 63   | 5.682G         | 64   | 5.582G         |
| 65                                               | 5.321G         | 66   | 5.388G         | 67   | 5.585G         | 68   | 5.330G         |
| 69                                               | 5.322G         | 70   | 5.314G         | 71   | 5.551G         | 72   | 5.365G         |
| 73                                               | 5.301G         | 74   | 5.623G         | 75   | 5.401G         | 76   | 5.370G         |
| 77                                               | 5.429G         | 78   | 5.284G         | 79   | 5.271G         | 80   | 5.672G         |
| 81                                               | 5.721G         | 82   | 5.658G         | 83   | 5.351G         | 84   | 5.361G         |
| 85                                               | 5.717G         | 86   | 5.287G         | 87   | 5.714G         | 88   | 5.606G         |
| 89                                               | 5.480G         | 90   | 5.684G         | 91   | 5.318G         | 92   | 5.693G         |
| 93                                               | 5.405G         | 94   | 5.261G         | 95   | 5.485G         | 96   | 5.417G         |
| 97                                               | 5.636G         | 98   | 5.448G         | 99   | 5.698G         | 100  | 5.295G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.705G         | 2    | 5.525G         | 3    | 5.712G         | 4    | 5.547G         |
| 5                                                | 5.640G         | 6    | 5.681G         | 7    | 5.450G         | 8    | 5.352G         |
| 9                                                | 5.561G         | 10   | 5.469G         | 11   | 5.558G         | 12   | 5.674G         |
| 13                                               | 5.484G         | 14   | 5.536G         | 15   | 5.527G         | 16   | 5.444G         |
| 17                                               | 5.425G         | 18   | 5.327G         | 19   | 5.359G         | 20   | 5.570G         |
| 21                                               | 5.482G         | 22   | 5.512G         | 23   | 5.301G         | 24   | 5.330G         |
| 25                                               | 5.620G         | 26   | 5.355G         | 27   | 5.615G         | 28   | 5.318G         |
| 29                                               | 5.568G         | 30   | 5.313G         | 31   | 5.454G         | 32   | 5.552G         |
| 33                                               | 5.627G         | 34   | 5.542G         | 35   | 5.488G         | 36   | 5.545G         |
| 37                                               | 5.562G         | 38   | 5.716G         | 39   | 5.515G         | 40   | 5.508G         |
| 41                                               | 5.574G         | 42   | 5.315G         | 43   | 5.480G         | 44   | 5.294G         |
| 45                                               | 5.394G         | 46   | 5.537G         | 47   | 5.585G         | 48   | 5.328G         |
| 49                                               | 5.297G         | 50   | 5.688G         | 51   | 5.332G         | 52   | 5.581G         |
| 53                                               | 5.380G         | 54   | 5.576G         | 55   | 5.451G         | 56   | 5.284G         |
| 57                                               | 5.452G         | 58   | 5.422G         | 59   | 5.486G         | 60   | 5.507G         |
| 61                                               | 5.524G         | 62   | 5.575G         | 63   | 5.329G         | 64   | 5.283G         |
| 65                                               | 5.580G         | 66   | 5.291G         | 67   | 5.416G         | 68   | 5.643G         |
| 69                                               | 5.619G         | 70   | 5.589G         | 71   | 5.320G         | 72   | 5.711G         |
| 73                                               | 5.434G         | 74   | 5.473G         | 75   | 5.555G         | 76   | 5.504G         |
| 77                                               | 5.541G         | 78   | 5.260G         | 79   | 5.461G         | 80   | 5.350G         |
| 81                                               | 5.715G         | 82   | 5.456G         | 83   | 5.679G         | 84   | 5.676G         |
| 85                                               | 5.638G         | 86   | 5.478G         | 87   | 5.288G         | 88   | 5.277G         |
| 89                                               | 5.393G         | 90   | 5.466G         | 91   | 5.341G         | 92   | 5.386G         |
| 93                                               | 5.666G         | 94   | 5.453G         | 95   | 5.337G         | 96   | 5.358G         |
| 97                                               | 5.455G         | 98   | 5.413G         | 99   | 5.254G         | 100  | 5.414G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.380G         | 2    | 5.680G         | 3    | 5.652G         | 4    | 5.398G         |
| 5                                                | 5.386G         | 6    | 5.422G         | 7    | 5.353G         | 8    | 5.369G         |
| 9                                                | 5.283G         | 10   | 5.578G         | 11   | 5.468G         | 12   | 5.405G         |
| 13                                               | 5.645G         | 14   | 5.605G         | 15   | 5.642G         | 16   | 5.312G         |
| 17                                               | 5.449G         | 18   | 5.464G         | 19   | 5.370G         | 20   | 5.383G         |
| 21                                               | 5.539G         | 22   | 5.653G         | 23   | 5.389G         | 24   | 5.570G         |
| 25                                               | 5.723G         | 26   | 5.697G         | 27   | 5.639G         | 28   | 5.598G         |
| 29                                               | 5.450G         | 30   | 5.676G         | 31   | 5.553G         | 32   | 5.257G         |
| 33                                               | 5.621G         | 34   | 5.296G         | 35   | 5.604G         | 36   | 5.366G         |
| 37                                               | 5.618G         | 38   | 5.318G         | 39   | 5.537G         | 40   | 5.626G         |
| 41                                               | 5.611G         | 42   | 5.499G         | 43   | 5.270G         | 44   | 5.359G         |
| 45                                               | 5.647G         | 46   | 5.409G         | 47   | 5.679G         | 48   | 5.686G         |
| 49                                               | 5.620G         | 50   | 5.555G         | 51   | 5.658G         | 52   | 5.334G         |
| 53                                               | 5.475G         | 54   | 5.328G         | 55   | 5.377G         | 56   | 5.674G         |
| 57                                               | 5.264G         | 58   | 5.517G         | 59   | 5.385G         | 60   | 5.254G         |
| 61                                               | 5.397G         | 62   | 5.443G         | 63   | 5.478G         | 64   | 5.584G         |
| 65                                               | 5.648G         | 66   | 5.547G         | 67   | 5.378G         | 68   | 5.687G         |
| 69                                               | 5.519G         | 70   | 5.396G         | 71   | 5.518G         | 72   | 5.597G         |
| 73                                               | 5.702G         | 74   | 5.348G         | 75   | 5.581G         | 76   | 5.567G         |
| 77                                               | 5.271G         | 78   | 5.454G         | 79   | 5.325G         | 80   | 5.573G         |
| 81                                               | 5.552G         | 82   | 5.374G         | 83   | 5.293G         | 84   | 5.544G         |
| 85                                               | 5.282G         | 86   | 5.448G         | 87   | 5.309G         | 88   | 5.612G         |
| 89                                               | 5.395G         | 90   | 5.557G         | 91   | 5.575G         | 92   | 5.323G         |
| 93                                               | 5.319G         | 94   | 5.536G         | 95   | 5.722G         | 96   | 5.387G         |
| 97                                               | 5.551G         | 98   | 5.259G         | 99   | 5.298G         | 100  | 5.582G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.596G         | 2    | 5.649G         | 3    | 5.400G         | 4    | 5.522G         |
| 5                                                | 5.443G         | 6    | 5.391G         | 7    | 5.651G         | 8    | 5.535G         |
| 9                                                | 5.337G         | 10   | 5.268G         | 11   | 5.387G         | 12   | 5.587G         |
| 13                                               | 5.342G         | 14   | 5.274G         | 15   | 5.657G         | 16   | 5.351G         |
| 17                                               | 5.367G         | 18   | 5.565G         | 19   | 5.509G         | 20   | 5.523G         |
| 21                                               | 5.350G         | 22   | 5.280G         | 23   | 5.442G         | 24   | 5.584G         |
| 25                                               | 5.628G         | 26   | 5.422G         | 27   | 5.335G         | 28   | 5.372G         |
| 29                                               | 5.491G         | 30   | 5.462G         | 31   | 5.604G         | 32   | 5.363G         |
| 33                                               | 5.302G         | 34   | 5.658G         | 35   | 5.666G         | 36   | 5.578G         |
| 37                                               | 5.269G         | 38   | 5.263G         | 39   | 5.529G         | 40   | 5.308G         |
| 41                                               | 5.532G         | 42   | 5.287G         | 43   | 5.436G         | 44   | 5.528G         |
| 45                                               | 5.284G         | 46   | 5.689G         | 47   | 5.467G         | 48   | 5.665G         |
| 49                                               | 5.688G         | 50   | 5.333G         | 51   | 5.554G         | 52   | 5.722G         |
| 53                                               | 5.504G         | 54   | 5.285G         | 55   | 5.306G         | 56   | 5.551G         |
| 57                                               | 5.384G         | 58   | 5.580G         | 59   | 5.407G         | 60   | 5.361G         |
| 61                                               | 5.373G         | 62   | 5.676G         | 63   | 5.482G         | 64   | 5.347G         |
| 65                                               | 5.500G         | 66   | 5.710G         | 67   | 5.662G         | 68   | 5.623G         |
| 69                                               | 5.322G         | 70   | 5.612G         | 71   | 5.444G         | 72   | 5.429G         |
| 73                                               | 5.460G         | 74   | 5.629G         | 75   | 5.360G         | 76   | 5.313G         |
| 77                                               | 5.541G         | 78   | 5.416G         | 79   | 5.561G         | 80   | 5.619G         |
| 81                                               | 5.704G         | 82   | 5.300G         | 83   | 5.631G         | 84   | 5.611G         |
| 85                                               | 5.488G         | 86   | 5.618G         | 87   | 5.552G         | 88   | 5.250G         |
| 89                                               | 5.371G         | 90   | 5.258G         | 91   | 5.251G         | 92   | 5.633G         |
| 93                                               | 5.475G         | 94   | 5.639G         | 95   | 5.566G         | 96   | 5.632G         |
| 97                                               | 5.358G         | 98   | 5.617G         | 99   | 5.492G         | 100  | 5.498G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.494G         | 2    | 5.369G         | 3    | 5.704G         | 4    | 5.580G         |
| 5                                                | 5.497G         | 6    | 5.598G         | 7    | 5.462G         | 8    | 5.435G         |
| 9                                                | 5.459G         | 10   | 5.591G         | 11   | 5.559G         | 12   | 5.495G         |
| 13                                               | 5.302G         | 14   | 5.558G         | 15   | 5.609G         | 16   | 5.306G         |
| 17                                               | 5.632G         | 18   | 5.639G         | 19   | 5.425G         | 20   | 5.702G         |
| 21                                               | 5.252G         | 22   | 5.263G         | 23   | 5.427G         | 24   | 5.330G         |
| 25                                               | 5.316G         | 26   | 5.253G         | 27   | 5.687G         | 28   | 5.266G         |
| 29                                               | 5.692G         | 30   | 5.472G         | 31   | 5.682G         | 32   | 5.708G         |
| 33                                               | 5.719G         | 34   | 5.716G         | 35   | 5.650G         | 36   | 5.717G         |
| 37                                               | 5.350G         | 38   | 5.452G         | 39   | 5.431G         | 40   | 5.429G         |
| 41                                               | 5.319G         | 42   | 5.393G         | 43   | 5.503G         | 44   | 5.620G         |
| 45                                               | 5.290G         | 46   | 5.400G         | 47   | 5.614G         | 48   | 5.312G         |
| 49                                               | 5.568G         | 50   | 5.373G         | 51   | 5.445G         | 52   | 5.636G         |
| 53                                               | 5.634G         | 54   | 5.331G         | 55   | 5.328G         | 56   | 5.483G         |
| 57                                               | 5.303G         | 58   | 5.700G         | 59   | 5.310G         | 60   | 5.505G         |
| 61                                               | 5.590G         | 62   | 5.533G         | 63   | 5.343G         | 64   | 5.711G         |
| 65                                               | 5.551G         | 66   | 5.506G         | 67   | 5.476G         | 68   | 5.407G         |
| 69                                               | 5.398G         | 70   | 5.357G         | 71   | 5.485G         | 72   | 5.292G         |
| 73                                               | 5.612G         | 74   | 5.584G         | 75   | 5.481G         | 76   | 5.694G         |
| 77                                               | 5.264G         | 78   | 5.683G         | 79   | 5.541G         | 80   | 5.475G         |
| 81                                               | 5.693G         | 82   | 5.388G         | 83   | 5.635G         | 84   | 5.555G         |
| 85                                               | 5.608G         | 86   | 5.283G         | 87   | 5.308G         | 88   | 5.493G         |
| 89                                               | 5.570G         | 90   | 5.260G         | 91   | 5.557G         | 92   | 5.411G         |
| 93                                               | 5.413G         | 94   | 5.295G         | 95   | 5.713G         | 96   | 5.507G         |
| 97                                               | 5.451G         | 98   | 5.254G         | 99   | 5.471G         | 100  | 5.709G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.578G         | 2    | 5.505G         | 3    | 5.309G         | 4    | 5.599G         |
| 5                                                | 5.343G         | 6    | 5.532G         | 7    | 5.354G         | 8    | 5.671G         |
| 9                                                | 5.262G         | 10   | 5.602G         | 11   | 5.533G         | 12   | 5.250G         |
| 13                                               | 5.320G         | 14   | 5.632G         | 15   | 5.610G         | 16   | 5.308G         |
| 17                                               | 5.539G         | 18   | 5.717G         | 19   | 5.428G         | 20   | 5.707G         |
| 21                                               | 5.701G         | 22   | 5.442G         | 23   | 5.603G         | 24   | 5.375G         |
| 25                                               | 5.334G         | 26   | 5.706G         | 27   | 5.626G         | 28   | 5.702G         |
| 29                                               | 5.453G         | 30   | 5.703G         | 31   | 5.319G         | 32   | 5.478G         |
| 33                                               | 5.378G         | 34   | 5.520G         | 35   | 5.509G         | 36   | 5.447G         |
| 37                                               | 5.563G         | 38   | 5.678G         | 39   | 5.569G         | 40   | 5.346G         |
| 41                                               | 5.598G         | 42   | 5.596G         | 43   | 5.471G         | 44   | 5.680G         |
| 45                                               | 5.622G         | 46   | 5.306G         | 47   | 5.348G         | 48   | 5.468G         |
| 49                                               | 5.685G         | 50   | 5.633G         | 51   | 5.302G         | 52   | 5.665G         |
| 53                                               | 5.260G         | 54   | 5.494G         | 55   | 5.321G         | 56   | 5.480G         |
| 57                                               | 5.571G         | 58   | 5.661G         | 59   | 5.410G         | 60   | 5.394G         |
| 61                                               | 5.664G         | 62   | 5.570G         | 63   | 5.292G         | 64   | 5.630G         |
| 65                                               | 5.416G         | 66   | 5.545G         | 67   | 5.605G         | 68   | 5.639G         |
| 69                                               | 5.646G         | 70   | 5.593G         | 71   | 5.379G         | 72   | 5.648G         |
| 73                                               | 5.487G         | 74   | 5.625G         | 75   | 5.450G         | 76   | 5.301G         |
| 77                                               | 5.637G         | 78   | 5.549G         | 79   | 5.503G         | 80   | 5.564G         |
| 81                                               | 5.353G         | 82   | 5.662G         | 83   | 5.623G         | 84   | 5.565G         |
| 85                                               | 5.548G         | 86   | 5.467G         | 87   | 5.700G         | 88   | 5.445G         |
| 89                                               | 5.257G         | 90   | 5.360G         | 91   | 5.357G         | 92   | 5.543G         |
| 93                                               | 5.363G         | 94   | 5.519G         | 95   | 5.377G         | 96   | 5.463G         |
| 97                                               | 5.432G         | 98   | 5.328G         | 99   | 5.427G         | 100  | 5.281G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.551G         | 2    | 5.406G         | 3    | 5.488G         | 4    | 5.357G         |
| 5                                                | 5.539G         | 6    | 5.635G         | 7    | 5.633G         | 8    | 5.518G         |
| 9                                                | 5.672G         | 10   | 5.636G         | 11   | 5.527G         | 12   | 5.450G         |
| 13                                               | 5.601G         | 14   | 5.279G         | 15   | 5.651G         | 16   | 5.641G         |
| 17                                               | 5.699G         | 18   | 5.323G         | 19   | 5.555G         | 20   | 5.274G         |
| 21                                               | 5.421G         | 22   | 5.505G         | 23   | 5.399G         | 24   | 5.674G         |
| 25                                               | 5.317G         | 26   | 5.306G         | 27   | 5.292G         | 28   | 5.609G         |
| 29                                               | 5.254G         | 30   | 5.686G         | 31   | 5.309G         | 32   | 5.537G         |
| 33                                               | 5.307G         | 34   | 5.523G         | 35   | 5.288G         | 36   | 5.632G         |
| 37                                               | 5.320G         | 38   | 5.715G         | 39   | 5.398G         | 40   | 5.335G         |
| 41                                               | 5.340G         | 42   | 5.509G         | 43   | 5.613G         | 44   | 5.458G         |
| 45                                               | 5.703G         | 46   | 5.506G         | 47   | 5.353G         | 48   | 5.375G         |
| 49                                               | 5.504G         | 50   | 5.623G         | 51   | 5.409G         | 52   | 5.516G         |
| 53                                               | 5.269G         | 54   | 5.610G         | 55   | 5.431G         | 56   | 5.554G         |
| 57                                               | 5.682G         | 58   | 5.679G         | 59   | 5.625G         | 60   | 5.696G         |
| 61                                               | 5.325G         | 62   | 5.534G         | 63   | 5.701G         | 64   | 5.478G         |
| 65                                               | 5.411G         | 66   | 5.347G         | 67   | 5.638G         | 68   | 5.430G         |
| 69                                               | 5.272G         | 70   | 5.657G         | 71   | 5.298G         | 72   | 5.700G         |
| 73                                               | 5.480G         | 74   | 5.680G         | 75   | 5.416G         | 76   | 5.376G         |
| 77                                               | 5.646G         | 78   | 5.587G         | 79   | 5.395G         | 80   | 5.514G         |
| 81                                               | 5.467G         | 82   | 5.343G         | 83   | 5.627G         | 84   | 5.316G         |
| 85                                               | 5.622G         | 86   | 5.559G         | 87   | 5.637G         | 88   | 5.541G         |
| 89                                               | 5.469G         | 90   | 5.662G         | 91   | 5.465G         | 92   | 5.466G         |
| 93                                               | 5.714G         | 94   | 5.310G         | 95   | 5.295G         | 96   | 5.337G         |
| 97                                               | 5.675G         | 98   | 5.293G         | 99   | 5.608G         | 100  | 5.558G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.270G         | 2    | 5.280G         | 3    | 5.623G         | 4    | 5.597G         |
| 5                                                | 5.639G         | 6    | 5.290G         | 7    | 5.674G         | 8    | 5.438G         |
| 9                                                | 5.630G         | 10   | 5.284G         | 11   | 5.360G         | 12   | 5.389G         |
| 13                                               | 5.561G         | 14   | 5.530G         | 15   | 5.541G         | 16   | 5.604G         |
| 17                                               | 5.300G         | 18   | 5.704G         | 19   | 5.430G         | 20   | 5.564G         |
| 21                                               | 5.482G         | 22   | 5.675G         | 23   | 5.680G         | 24   | 5.590G         |
| 25                                               | 5.303G         | 26   | 5.268G         | 27   | 5.622G         | 28   | 5.508G         |
| 29                                               | 5.603G         | 30   | 5.474G         | 31   | 5.316G         | 32   | 5.497G         |
| 33                                               | 5.466G         | 34   | 5.660G         | 35   | 5.579G         | 36   | 5.450G         |
| 37                                               | 5.646G         | 38   | 5.415G         | 39   | 5.317G         | 40   | 5.707G         |
| 41                                               | 5.330G         | 42   | 5.322G         | 43   | 5.628G         | 44   | 5.484G         |
| 45                                               | 5.664G         | 46   | 5.700G         | 47   | 5.428G         | 48   | 5.371G         |
| 49                                               | 5.636G         | 50   | 5.377G         | 51   | 5.465G         | 52   | 5.481G         |
| 53                                               | 5.475G         | 54   | 5.665G         | 55   | 5.253G         | 56   | 5.591G         |
| 57                                               | 5.624G         | 58   | 5.609G         | 59   | 5.299G         | 60   | 5.440G         |
| 61                                               | 5.418G         | 62   | 5.384G         | 63   | 5.483G         | 64   | 5.582G         |
| 65                                               | 5.388G         | 66   | 5.666G         | 67   | 5.457G         | 68   | 5.708G         |
| 69                                               | 5.642G         | 70   | 5.411G         | 71   | 5.608G         | 72   | 5.627G         |
| 73                                               | 5.410G         | 74   | 5.499G         | 75   | 5.405G         | 76   | 5.544G         |
| 77                                               | 5.494G         | 78   | 5.718G         | 79   | 5.339G         | 80   | 5.442G         |
| 81                                               | 5.616G         | 82   | 5.261G         | 83   | 5.560G         | 84   | 5.373G         |
| 85                                               | 5.533G         | 86   | 5.263G         | 87   | 5.578G         | 88   | 5.509G         |
| 89                                               | 5.265G         | 90   | 5.691G         | 91   | 5.670G         | 92   | 5.369G         |
| 93                                               | 5.715G         | 94   | 5.283G         | 95   | 5.567G         | 96   | 5.407G         |
| 97                                               | 5.570G         | 98   | 5.645G         | 99   | 5.313G         | 100  | 5.306G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.416G         | 2    | 5.254G         | 3    | 5.482G         | 4    | 5.523G         |
| 5                                                | 5.395G         | 6    | 5.387G         | 7    | 5.407G         | 8    | 5.685G         |
| 9                                                | 5.382G         | 10   | 5.352G         | 11   | 5.704G         | 12   | 5.721G         |
| 13                                               | 5.466G         | 14   | 5.348G         | 15   | 5.477G         | 16   | 5.540G         |
| 17                                               | 5.302G         | 18   | 5.568G         | 19   | 5.450G         | 20   | 5.521G         |
| 21                                               | 5.708G         | 22   | 5.326G         | 23   | 5.600G         | 24   | 5.411G         |
| 25                                               | 5.606G         | 26   | 5.278G         | 27   | 5.535G         | 28   | 5.616G         |
| 29                                               | 5.676G         | 30   | 5.536G         | 31   | 5.562G         | 32   | 5.662G         |
| 33                                               | 5.693G         | 34   | 5.688G         | 35   | 5.396G         | 36   | 5.461G         |
| 37                                               | 5.251G         | 38   | 5.417G         | 39   | 5.627G         | 40   | 5.598G         |
| 41                                               | 5.338G         | 42   | 5.555G         | 43   | 5.552G         | 44   | 5.362G         |
| 45                                               | 5.608G         | 46   | 5.316G         | 47   | 5.647G         | 48   | 5.397G         |
| 49                                               | 5.646G         | 50   | 5.331G         | 51   | 5.534G         | 52   | 5.250G         |
| 53                                               | 5.720G         | 54   | 5.480G         | 55   | 5.304G         | 56   | 5.611G         |
| 57                                               | 5.663G         | 58   | 5.405G         | 59   | 5.446G         | 60   | 5.700G         |
| 61                                               | 5.603G         | 62   | 5.515G         | 63   | 5.497G         | 64   | 5.341G         |
| 65                                               | 5.299G         | 66   | 5.376G         | 67   | 5.410G         | 68   | 5.545G         |
| 69                                               | 5.294G         | 70   | 5.711G         | 71   | 5.325G         | 72   | 5.285G         |
| 73                                               | 5.287G         | 74   | 5.644G         | 75   | 5.705G         | 76   | 5.690G         |
| 77                                               | 5.577G         | 78   | 5.363G         | 79   | 5.381G         | 80   | 5.588G         |
| 81                                               | 5.557G         | 82   | 5.436G         | 83   | 5.543G         | 84   | 5.378G         |
| 85                                               | 5.453G         | 86   | 5.589G         | 87   | 5.273G         | 88   | 5.615G         |
| 89                                               | 5.503G         | 90   | 5.559G         | 91   | 5.398G         | 92   | 5.621G         |
| 93                                               | 5.379G         | 94   | 5.394G         | 95   | 5.699G         | 96   | 5.619G         |
| 97                                               | 5.452G         | 98   | 5.502G         | 99   | 5.270G         | 100  | 5.255G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.338G         | 2    | 5.353G         | 3    | 5.309G         | 4    | 5.401G         |
| 5                                                | 5.349G         | 6    | 5.659G         | 7    | 5.709G         | 8    | 5.679G         |
| 9                                                | 5.683G         | 10   | 5.544G         | 11   | 5.280G         | 12   | 5.382G         |
| 13                                               | 5.580G         | 14   | 5.379G         | 15   | 5.607G         | 16   | 5.551G         |
| 17                                               | 5.514G         | 18   | 5.260G         | 19   | 5.479G         | 20   | 5.714G         |
| 21                                               | 5.699G         | 22   | 5.494G         | 23   | 5.292G         | 24   | 5.316G         |
| 25                                               | 5.571G         | 26   | 5.691G         | 27   | 5.444G         | 28   | 5.655G         |
| 29                                               | 5.390G         | 30   | 5.584G         | 31   | 5.430G         | 32   | 5.393G         |
| 33                                               | 5.562G         | 34   | 5.633G         | 35   | 5.274G         | 36   | 5.368G         |
| 37                                               | 5.325G         | 38   | 5.436G         | 39   | 5.589G         | 40   | 5.472G         |
| 41                                               | 5.441G         | 42   | 5.285G         | 43   | 5.276G         | 44   | 5.478G         |
| 45                                               | 5.632G         | 46   | 5.535G         | 47   | 5.253G         | 48   | 5.581G         |
| 49                                               | 5.399G         | 50   | 5.255G         | 51   | 5.624G         | 52   | 5.715G         |
| 53                                               | 5.327G         | 54   | 5.340G         | 55   | 5.596G         | 56   | 5.323G         |
| 57                                               | 5.635G         | 58   | 5.261G         | 59   | 5.431G         | 60   | 5.331G         |
| 61                                               | 5.265G         | 62   | 5.394G         | 63   | 5.381G         | 64   | 5.626G         |
| 65                                               | 5.453G         | 66   | 5.308G         | 67   | 5.448G         | 68   | 5.582G         |
| 69                                               | 5.525G         | 70   | 5.644G         | 71   | 5.541G         | 72   | 5.687G         |
| 73                                               | 5.277G         | 74   | 5.304G         | 75   | 5.660G         | 76   | 5.618G         |
| 77                                               | 5.256G         | 78   | 5.366G         | 79   | 5.647G         | 80   | 5.565G         |
| 81                                               | 5.671G         | 82   | 5.252G         | 83   | 5.370G         | 84   | 5.496G         |
| 85                                               | 5.567G         | 86   | 5.395G         | 87   | 5.642G         | 88   | 5.588G         |
| 89                                               | 5.638G         | 90   | 5.389G         | 91   | 5.648G         | 92   | 5.458G         |
| 93                                               | 5.523G         | 94   | 5.563G         | 95   | 5.716G         | 96   | 5.597G         |
| 97                                               | 5.559G         | 98   | 5.426G         | 99   | 5.334G         | 100  | 5.534G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.270G         | 2    | 5.282G         | 3    | 5.447G         | 4    | 5.316G         |
| 5                                                | 5.548G         | 6    | 5.334G         | 7    | 5.647G         | 8    | 5.576G         |
| 9                                                | 5.659G         | 10   | 5.314G         | 11   | 5.386G         | 12   | 5.345G         |
| 13                                               | 5.324G         | 14   | 5.290G         | 15   | 5.515G         | 16   | 5.597G         |
| 17                                               | 5.573G         | 18   | 5.470G         | 19   | 5.364G         | 20   | 5.712G         |
| 21                                               | 5.649G         | 22   | 5.461G         | 23   | 5.685G         | 24   | 5.320G         |
| 25                                               | 5.366G         | 26   | 5.413G         | 27   | 5.635G         | 28   | 5.411G         |
| 29                                               | 5.374G         | 30   | 5.351G         | 31   | 5.586G         | 32   | 5.286G         |
| 33                                               | 5.522G         | 34   | 5.390G         | 35   | 5.275G         | 36   | 5.349G         |
| 37                                               | 5.575G         | 38   | 5.258G         | 39   | 5.274G         | 40   | 5.662G         |
| 41                                               | 5.429G         | 42   | 5.658G         | 43   | 5.549G         | 44   | 5.449G         |
| 45                                               | 5.430G         | 46   | 5.634G         | 47   | 5.599G         | 48   | 5.695G         |
| 49                                               | 5.438G         | 50   | 5.454G         | 51   | 5.518G         | 52   | 5.384G         |
| 53                                               | 5.698G         | 54   | 5.525G         | 55   | 5.663G         | 56   | 5.672G         |
| 57                                               | 5.651G         | 58   | 5.279G         | 59   | 5.485G         | 60   | 5.631G         |
| 61                                               | 5.358G         | 62   | 5.406G         | 63   | 5.456G         | 64   | 5.622G         |
| 65                                               | 5.716G         | 66   | 5.620G         | 67   | 5.431G         | 68   | 5.460G         |
| 69                                               | 5.643G         | 70   | 5.359G         | 71   | 5.562G         | 72   | 5.288G         |
| 73                                               | 5.714G         | 74   | 5.289G         | 75   | 5.408G         | 76   | 5.572G         |
| 77                                               | 5.445G         | 78   | 5.577G         | 79   | 5.452G         | 80   | 5.371G         |
| 81                                               | 5.446G         | 82   | 5.262G         | 83   | 5.471G         | 84   | 5.656G         |
| 85                                               | 5.307G         | 86   | 5.574G         | 87   | 5.260G         | 88   | 5.362G         |
| 89                                               | 5.420G         | 90   | 5.674G         | 91   | 5.595G         | 92   | 5.629G         |
| 93                                               | 5.667G         | 94   | 5.387G         | 95   | 5.424G         | 96   | 5.709G         |
| 97                                               | 5.325G         | 98   | 5.507G         | 99   | 5.570G         | 100  | 5.513G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.578G         | 2    | 5.337G         | 3    | 5.417G         | 4    | 5.700G         |
| 5                                                | 5.342G         | 6    | 5.667G         | 7    | 5.428G         | 8    | 5.415G         |
| 9                                                | 5.639G         | 10   | 5.525G         | 11   | 5.526G         | 12   | 5.533G         |
| 13                                               | 5.261G         | 14   | 5.631G         | 15   | 5.545G         | 16   | 5.577G         |
| 17                                               | 5.612G         | 18   | 5.498G         | 19   | 5.393G         | 20   | 5.574G         |
| 21                                               | 5.550G         | 22   | 5.718G         | 23   | 5.298G         | 24   | 5.520G         |
| 25                                               | 5.255G         | 26   | 5.387G         | 27   | 5.356G         | 28   | 5.444G         |
| 29                                               | 5.448G         | 30   | 5.353G         | 31   | 5.668G         | 32   | 5.402G         |
| 33                                               | 5.414G         | 34   | 5.637G         | 35   | 5.676G         | 36   | 5.363G         |
| 37                                               | 5.445G         | 38   | 5.354G         | 39   | 5.403G         | 40   | 5.267G         |
| 41                                               | 5.703G         | 42   | 5.560G         | 43   | 5.559G         | 44   | 5.680G         |
| 45                                               | 5.506G         | 46   | 5.257G         | 47   | 5.365G         | 48   | 5.317G         |
| 49                                               | 5.454G         | 50   | 5.629G         | 51   | 5.260G         | 52   | 5.543G         |
| 53                                               | 5.673G         | 54   | 5.620G         | 55   | 5.389G         | 56   | 5.627G         |
| 57                                               | 5.661G         | 58   | 5.386G         | 59   | 5.645G         | 60   | 5.373G         |
| 61                                               | 5.623G         | 62   | 5.456G         | 63   | 5.606G         | 64   | 5.289G         |
| 65                                               | 5.658G         | 66   | 5.258G         | 67   | 5.584G         | 68   | 5.446G         |
| 69                                               | 5.483G         | 70   | 5.427G         | 71   | 5.399G         | 72   | 5.457G         |
| 73                                               | 5.642G         | 74   | 5.299G         | 75   | 5.603G         | 76   | 5.552G         |
| 77                                               | 5.495G         | 78   | 5.576G         | 79   | 5.715G         | 80   | 5.652G         |
| 81                                               | 5.449G         | 82   | 5.410G         | 83   | 5.626G         | 84   | 5.651G         |
| 85                                               | 5.538G         | 86   | 5.687G         | 87   | 5.346G         | 88   | 5.250G         |
| 89                                               | 5.692G         | 90   | 5.252G         | 91   | 5.322G         | 92   | 5.632G         |
| 93                                               | 5.659G         | 94   | 5.681G         | 95   | 5.585G         | 96   | 5.426G         |
| 97                                               | 5.635G         | 98   | 5.657G         | 99   | 5.704G         | 100  | 5.297G         |

# IEEE 802.11ac 40MHz

## Type 1 Radar Statistical Performances

EUT Test Frequency: 5510MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 95               | 1.0u            | 558.0u  | 5510MHz         | Yes       |
| 2       | 78               | 1.0u            | 678.0u  | 5511MHz         | Yes       |
| 3       | 57               | 1.0u            | 938.0u  | 5512MHz         | Yes       |
| 4       | 68               | 1.0u            | 778.0u  | 5513MHz         | Yes       |
| 5       | 63               | 1.0u            | 838.0u  | 5514MHz         | Yes       |
| 6       | 62               | 1.0u            | 858.0u  | 5515MHz         | Yes       |
| 7       | 59               | 1.0u            | 898.0u  | 5516MHz         | Yes       |
| 8       | 18               | 1.0u            | 3.066m  | 5517MHz         | Yes       |
| 9       | 102              | 1.0u            | 518.0u  | 5518MHz         | Yes       |
| 10      | 95               | 1.0u            | 558.0u  | 5519MHz         | No        |
| 11      | 81               | 1.0u            | 658.0u  | 5520MHz         | Yes       |
| 12      | 76               | 1.0u            | 698.0u  | 5522MHz         | Yes       |
| 13      | 81               | 1.0u            | 658.0u  | 5524MHz         | Yes       |
| 14      | 76               | 1.0u            | 698.0u  | 5526MHz         | Yes       |
| 15      | 86               | 1.0u            | 618.0u  | 5528MHz         | Yes       |
| 16      | 102              | 1.0u            | 519.0u  | 5510MHz         | Yes       |
| 17      | 80               | 1.0u            | 667.0u  | 5509MHz         | Yes       |
| 18      | 68               | 1.0u            | 787.0u  | 5508MHz         | Yes       |
| 19      | 74               | 1.0u            | 719.0u  | 5507MHz         | Yes       |
| 20      | 93               | 1.0u            | 569.0u  | 5506MHz         | Yes       |
| 21      | 75               | 1.0u            | 709.0u  | 5505MHz         | Yes       |
| 22      | 67               | 1.0u            | 799.0u  | 5504MHz         | No        |
| 23      | 58               | 1.0u            | 911.0u  | 5503MHz         | Yes       |
| 24      | 71               | 1.0u            | 753.0u  | 5502MHz         | Yes       |
| 25      | 74               | 1.0u            | 715.0u  | 5501MHz         | Yes       |
| 26      | 72               | 1.0u            | 735.0u  | 5500MHz         | Yes       |
| 27      | 74               | 1.0u            | 717.0u  | 5498MHz         | Yes       |
| 28      | 18               | 1.0u            | 3.065m  | 5496MHz         | Yes       |
| 29      | 88               | 1.0u            | 603.0u  | 5494MHz         | Yes       |
| 30      | 101              | 1.0u            | 527.0u  | 5492MHz         | Yes       |

Detection Rate: 93.3 %

## Type 2 Radar Statistical Performances

EUT Test Frequency: 5510MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 24               | 1.8u            | 180.0u  | 5510MHz         | Yes       |
| 2       | 23               | 4.8u            | 213.0u  | 5511MHz         | Yes       |
| 3       | 24               | 1.2u            | 177.0u  | 5512MHz         | Yes       |
| 4       | 27               | 2.4u            | 206.0u  | 5513MHz         | Yes       |
| 5       | 26               | 1.5u            | 153.0u  | 5514MHz         | Yes       |
| 6       | 26               | 1.0u            | 158.0u  | 5515MHz         | Yes       |
| 7       | 25               | 4.4u            | 193.0u  | 5516MHz         | Yes       |
| 8       | 27               | 4.9u            | 167.0u  | 5517MHz         | Yes       |
| 9       | 28               | 3.9u            | 197.0u  | 5518MHz         | Yes       |
| 10      | 26               | 3.4u            | 152.0u  | 5519MHz         | Yes       |
| 11      | 26               | 3.0u            | 175.0u  | 5520MHz         | Yes       |
| 12      | 25               | 1.1u            | 185.0u  | 5522MHz         | Yes       |
| 13      | 24               | 3.9u            | 174.0u  | 5524MHz         | Yes       |
| 14      | 24               | 1.4u            | 175.0u  | 5526MHz         | Yes       |
| 15      | 28               | 2.5u            | 188.0u  | 5528MHz         | Yes       |
| 16      | 24               | 3.8u            | 209.0u  | 5510MHz         | Yes       |
| 17      | 28               | 1.6u            | 200.0u  | 5509MHz         | Yes       |
| 18      | 25               | 1.7u            | 187.0u  | 5508MHz         | Yes       |
| 19      | 25               | 4.8u            | 164.0u  | 5507MHz         | Yes       |
| 20      | 25               | 2.5u            | 172.0u  | 5506MHz         | Yes       |
| 21      | 29               | 4.7u            | 179.0u  | 5505MHz         | Yes       |
| 22      | 26               | 4.1u            | 181.0u  | 5504MHz         | Yes       |
| 23      | 25               | 4.1u            | 223.0u  | 5503MHz         | Yes       |
| 24      | 29               | 1.4u            | 195.0u  | 5502MHz         | Yes       |
| 25      | 26               | 1.2u            | 185.0u  | 5501MHz         | Yes       |
| 26      | 26               | 2.8u            | 171.0u  | 5500MHz         | Yes       |
| 27      | 27               | 4.5u            | 156.0u  | 5498MHz         | Yes       |
| 28      | 25               | 1.1u            | 203.0u  | 5496MHz         | Yes       |
| 29      | 29               | 1.3u            | 180.0u  | 5494MHz         | Yes       |
| 30      | 28               | 2.4u            | 207.0u  | 5492MHz         | Yes       |

Detection Rate: 100 %



## Type 3 Radar Statistical Performances

EUT Test Frequency: 5510MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) |         | Detection |
|---------|------------------|-----------------|---------|---------|-----------|
| 1       | 17               | 7.6u            | 336.0u  | 5510MHz | Yes       |
| 2       | 18               | 7.7u            | 499.0u  | 5511MHz | Yes       |
| 3       | 17               | 7.4u            | 451.0u  | 5512MHz | Yes       |
| 4       | 17               | 9.3u            | 319.0u  | 5513MHz | Yes       |
| 5       | 17               | 9.1u            | 293.0u  | 5514MHz | Yes       |
| 6       | 17               | 8.0u            | 403.0u  | 5515MHz | Yes       |
| 7       | 16               | 9.7u            | 481.0u  | 5516MHz | Yes       |
| 8       | 17               | 7.6u            | 333.0u  | 5517MHz | Yes       |
| 9       | 18               | 8.6u            | 348.0u  | 5518MHz | Yes       |
| 10      | 18               | 6.6u            | 487.0u  | 5519MHz | No        |
| 11      | 17               | 6.4u            | 217.0u  | 5520MHz | Yes       |
| 12      | 18               | 6.9u            | 472.0u  | 5522MHz | Yes       |
| 13      | 17               | 9.6u            | 210.0u  | 5524MHz | Yes       |
| 14      | 16               | 9.6u            | 349.0u  | 5526MHz | No        |
| 15      | 16               | 6.1u            | 271.0u  | 5528MHz | No        |
| 16      | 18               | 7.8u            | 306.0u  | 5510MHz | Yes       |
| 17      | 18               | 9.1u            | 431.0u  | 5509MHz | Yes       |
| 18      | 18               | 9.2u            | 267.0u  | 5508MHz | Yes       |
| 19      | 18               | 9.0u            | 230.0u  | 5507MHz | Yes       |
| 20      | 17               | 6.6u            | 363.0u  | 5506MHz | Yes       |
| 21      | 17               | 8.0u            | 358.0u  | 5505MHz | Yes       |
| 22      | 16               | 8.5u            | 496.0u  | 5504MHz | Yes       |
| 23      | 16               | 8.5u            | 472.0u  | 5503MHz | Yes       |
| 24      | 18               | 9.0u            | 392.0u  | 5502MHz | Yes       |
| 25      | 18               | 9.8u            | 284.0u  | 5501MHz | Yes       |
| 26      | 18               | 7.0u            | 231.0u  | 5500MHz | Yes       |
| 27      | 17               | 8.6u            | 348.0u  | 5498MHz | Yes       |
| 28      | 17               | 8.2u            | 293.0u  | 5496MHz | Yes       |
| 29      | 17               | 8.9u            | 499.0u  | 5494MHz | Yes       |
| 30      | 17               | 7.2u            | 264.0u  | 5492MHz | Yes       |

Detection Rate: 90.0 %

## Type 4 Radar Statistical Performances

EUT Test Frequency: 5510MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 15               | 19.6u           | 390.0u  | 5510MHz         | Yes       |
| 2       | 12               | 12.2u           | 297.0u  | 5511MHz         | Yes       |
| 3       | 16               | 16.1u           | 379.0u  | 5512MHz         | Yes       |
| 4       | 14               | 12.9u           | 383.0u  | 5513MHz         | Yes       |
| 5       | 12               | 12.8u           | 409.0u  | 5514MHz         | Yes       |
| 6       | 16               | 18.7u           | 486.0u  | 5515MHz         | Yes       |
| 7       | 13               | 14.8u           | 490.0u  | 5516MHz         | Yes       |
| 8       | 13               | 12.8u           | 369.0u  | 5517MHz         | Yes       |
| 9       | 14               | 15.4u           | 298.0u  | 5518MHz         | Yes       |
| 10      | 14               | 13.8u           | 312.0u  | 5519MHz         | Yes       |
| 11      | 16               | 11.3u           | 472.0u  | 5520MHz         | Yes       |
| 12      | 15               | 16.1u           | 443.0u  | 5522MHz         | No        |
| 13      | 13               | 19.6u           | 317.0u  | 5524MHz         | Yes       |
| 14      | 14               | 12.4u           | 245.0u  | 5526MHz         | Yes       |
| 15      | 13               | 11.1u           | 277.0u  | 5528MHz         | Yes       |
| 16      | 14               | 16.6u           | 235.0u  | 5510MHz         | Yes       |
| 17      | 13               | 18.0u           | 204.0u  | 5509MHz         | Yes       |
| 18      | 16               | 11.8u           | 266.0u  | 5508MHz         | Yes       |
| 19      | 12               | 12.4u           | 318.0u  | 5507MHz         | Yes       |
| 20      | 12               | 14.3u           | 463.0u  | 5506MHz         | Yes       |
| 21      | 14               | 14.3u           | 472.0u  | 5505MHz         | Yes       |
| 22      | 12               | 15.2u           | 434.0u  | 5504MHz         | Yes       |
| 23      | 13               | 13.9u           | 395.0u  | 5503MHz         | Yes       |
| 24      | 13               | 15.0u           | 457.0u  | 5502MHz         | Yes       |
| 25      | 13               | 13.7u           | 335.0u  | 5501MHz         | Yes       |
| 26      | 14               | 13.2u           | 343.0u  | 5500MHz         | Yes       |
| 27      | 15               | 14.5u           | 387.0u  | 5498MHz         | Yes       |
| 28      | 16               | 11.4u           | 444.0u  | 5496MHz         | Yes       |
| 29      | 14               | 19.4u           | 317.0u  | 5494MHz         | Yes       |
| 30      | 16               | 16.4u           | 429.0u  | 5492MHz         | Yes       |

Detection Rate: 96.7 %

# Type 5 Radar Statistical Performances

EUT Test Frequency: 5510MHz

| Trial # | Test Signal Name | Detection              |
|---------|------------------|------------------------|
| 1       | LP_Signal_01     | Yes                    |
| 2       | LP_Signal_02     | Yes                    |
| 3       | LP_Signal_03     | Yes                    |
| 4       | LP_Signal_04     | Yes                    |
| 5       | LP_Signal_05     | Yes                    |
| 6       | LP_Signal_06     | Yes                    |
| 7       | LP_Signal_07     | Yes                    |
| 8       | LP_Signal_08     | Yes                    |
| 9       | LP_Signal_09     | Yes                    |
| 10      | LP_Signal_10     | Yes                    |
| 11      | LP_Signal_11     | Yes                    |
| 12      | LP_Signal_12     | Yes                    |
| 13      | LP_Signal_13     | Yes                    |
| 14      | LP_Signal_14     | No                     |
| 15      | LP_Signal_15     | Yes                    |
| 16      | LP_Signal_16     | Yes                    |
| 17      | LP_Signal_17     | Yes                    |
| 18      | LP_Signal_18     | Yes                    |
| 19      | LP_Signal_19     | Yes                    |
| 20      | LP_Signal_20     | Yes                    |
| 21      | LP_Signal_21     | Yes                    |
| 22      | LP_Signal_22     | Yes                    |
| 23      | LP_Signal_23     | Yes                    |
| 24      | LP_Signal_24     | Yes                    |
| 25      | LP_Signal_25     | Yes                    |
| 26      | LP_Signal_26     | Yes                    |
| 27      | LP_Signal_27     | Yes                    |
| 28      | LP_Signal_28     | Yes                    |
| 29      | LP_Signal_29     | Yes                    |
| 30      | LP_Signal_30     | Yes                    |
|         |                  | Detection Rate: 96.7 % |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_01  
Number of Bursts in Trial: 20  
Chrip Center Frequency: 5495MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 14M        | 64.2u           | 1.059m                   | -                        | 552.7m             |
| 2     | 2                | 8M         | 83.1u           | 1.801m                   | -                        | 396.6m             |
| 3     | 3                | 8M         | 90.3u           | 1.063m                   | 1.369m                   | 567.2m             |
| 4     | 2                | 11M        | 73.1u           | 1.174m                   | -                        | 467.5m             |
| 5     | 1                | 15M        | 57.9u           | -                        | -                        | 374.5m             |
| 6     | 1                | 13M        | 88.6u           | -                        | -                        | 468.9m             |
| 7     | 1                | 5M         | 61.4u           | -                        | -                        | 18.80m             |
| 8     | 2                | 10M        | 73.5u           | 1.411m                   | -                        | 530.1m             |
| 9     | 1                | 9M         | 59.7u           | -                        | -                        | 186.2m             |
| 10    | 3                | 7M         | 98.9u           | 1.144m                   | 1.052m                   | 254.1m             |
| 11    | 1                | 18M        | 88.7u           | -                        | -                        | 572.9m             |
| 12    | 3                | 10M        | 91.3u           | 1.260m                   | 1.620m                   | 208.4m             |
| 13    | 2                | 8M         | 93.9u           | 1.418m                   | -                        | 115.7m             |
| 14    | 2                | 6M         | 68.9u           | 1.666m                   | -                        | 187.7m             |
| 15    | 2                | 5M         | 54.0u           | 1.496m                   | -                        | 408.2m             |
| 16    | 1                | 11M        | 51.9u           | -                        | -                        | 272.2m             |
| 17    | 2                | 13M        | 70.7u           | 1.362m                   | -                        | 305.8m             |
| 18    | 2                | 7M         | 94.6u           | 990.4u                   | -                        | 276.4m             |
| 19    | 2                | 14M        | 56.8u           | 1.555m                   | -                        | 582.7m             |
| 20    | 3                | 16M        | 89.0u           | 1.034m                   | 1.359m                   | 313.1m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_02  
Number of Bursts in Trial: 17  
Chrip Center Frequency: 5496MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 12M        | 97.3u           | -                        | -                        | 386.4m             |
| 2     | 2                | 17M        | 95.9u           | 1.561m                   | -                        | 634.5m             |
| 3     | 2                | 9M         | 91.0u           | 1.868m                   | -                        | 154.5m             |
| 4     | 2                | 11M        | 95.9u           | 1.606m                   | -                        | 297.9m             |
| 5     | 2                | 17M        | 52.7u           | 1.600m                   | -                        | 600.3m             |
| 6     | 3                | 6M         | 67.6u           | 1.740m                   | 1.786m                   | 594.6m             |
| 7     | 2                | 16M        | 60.7u           | 1.815m                   | -                        | 95.42m             |
| 8     | 2                | 11M        | 85.0u           | 1.388m                   | -                        | 466.7m             |
| 9     | 3                | 17M        | 58.5u           | 1.179m                   | 1.312m                   | 520.7m             |
| 10    | 2                | 17M        | 98.6u           | 1.285m                   | -                        | 6.999m             |
| 11    | 1                | 17M        | 77.5u           | -                        | -                        | 57.33m             |
| 12    | 2                | 18M        | 54.5u           | 1.143m                   | -                        | 617.2m             |
| 13    | 3                | 5M         | 98.5u           | 1.131m                   | 1.425m                   | 313.3m             |
| 14    | 2                | 9M         | 97.1u           | 1.600m                   | -                        | 242.7m             |
| 15    | 2                | 16M        | 67.2u           | 1.565m                   | -                        | 108.8m             |
| 16    | 2                | 6M         | 63.8u           | 1.756m                   | -                        | 29.45m             |
| 17    | 2                | 12M        | 80.6u           | 1.132m                   | -                        | 140.5m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 16

Chrip Center Frequency: 5497MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 18M        | 83.8u           | 1.805m                   | -                        | 153.0m             |
| 2     | 2                | 17M        | 84.9u           | 1.230m                   | -                        | 589.8m             |
| 3     | 2                | 11M        | 68.7u           | 1.256m                   | -                        | 113.0m             |
| 4     | 2                | 8M         | 71.4u           | 1.925m                   | -                        | 733.4m             |
| 5     | 1                | 14M        | 57.9u           | -                        | -                        | 480.1m             |
| 6     | 2                | 14M        | 53.1u           | 1.516m                   | -                        | 213.7m             |
| 7     | 2                | 16M        | 71.2u           | 1.253m                   | -                        | 97.67m             |
| 8     | 1                | 20M        | 55.4u           | -                        | -                        | 108.3m             |
| 9     | 2                | 17M        | 64.0u           | 1.037m                   | -                        | 50.59m             |
| 10    | 2                | 9M         | 62.6u           | 1.315m                   | -                        | 63.70m             |
| 11    | 2                | 13M        | 74.1u           | 988.9u                   | -                        | 454.2m             |
| 12    | 1                | 19M        | 57.1u           | -                        | -                        | 708.1m             |
| 13    | 3                | 6M         | 55.6u           | 1.374m                   | 1.219m                   | 34.45m             |
| 14    | 2                | 7M         | 93.5u           | 1.215m                   | -                        | 427.0m             |
| 15    | 2                | 19M        | 76.5u           | 985.5u                   | -                        | 172.4m             |
| 16    | 3                | 6M         | 84.2u           | 1.750m                   | 1.713m                   | 584.7m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 19

Chrip Center Frequency: 5498MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 16M        | 91.1u           | 1.711m                   | -                        | 180.6m             |
| 2     | 1                | 14M        | 88.7u           | -                        | -                        | 95.10m             |
| 3     | 3                | 14M        | 93.8u           | 1.149m                   | 991.2u                   | 308.7m             |
| 4     | 2                | 17M        | 99.9u           | 1.336m                   | -                        | 61.92m             |
| 5     | 1                | 12M        | 52.3u           | -                        | -                        | 604.1m             |
| 6     | 3                | 7M         | 99.9u           | 1.789m                   | 954.1u                   | 338.3m             |
| 7     | 1                | 7M         | 86.6u           | -                        | -                        | 37.01m             |
| 8     | 2                | 10M        | 99.1u           | 946.9u                   | -                        | 27.25m             |
| 9     | 2                | 11M        | 63.0u           | 1.442m                   | -                        | 434.6m             |
| 10    | 2                | 7M         | 96.6u           | 1.784m                   | -                        | 116.2m             |
| 11    | 3                | 15M        | 62.1u           | 1.919m                   | 1.582m                   | 70.62m             |
| 12    | 1                | 18M        | 58.8u           | -                        | -                        | 546.1m             |
| 13    | 2                | 15M        | 62.2u           | 1.731m                   | -                        | 451.3m             |
| 14    | 2                | 7M         | 59.4u           | 1.667m                   | -                        | 431.0m             |
| 15    | 3                | 8M         | 51.8u           | 1.334m                   | 1.553m                   | 57.15m             |
| 16    | 2                | 10M        | 67.4u           | 1.044m                   | -                        | 376.2m             |
| 17    | 2                | 14M        | 53.2u           | 1.475m                   | -                        | 395.5m             |
| 18    | 3                | 19M        | 89.2u           | 1.134m                   | 1.842m                   | 545.8m             |
| 19    | 3                | 9M         | 64.8u           | 1.443m                   | 1.515m                   | 415.1m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 9

Chrip Center Frequency: 5499MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 19M        | 98.1u           | 1.776m                   | -                        | 253.4m             |
| 2     | 2                | 15M        | 56.2u           | 1.467m                   | -                        | 1.084              |
| 3     | 2                | 6M         | 75.7u           | 1.367m                   | -                        | 632.9m             |
| 4     | 2                | 6M         | 69.8u           | 1.860m                   | -                        | 958.1m             |
| 5     | 3                | 18M        | 77.5u           | 1.330m                   | 1.052m                   | 1.122              |
| 6     | 1                | 18M        | 63.9u           | -                        | -                        | 110.3m             |
| 7     | 2                | 19M        | 94.4u           | 1.826m                   | -                        | 636.9m             |
| 8     | 2                | 20M        | 64.5u           | 1.887m                   | -                        | 1.019              |
| 9     | 3                | 7M         | 74.8u           | 1.011m                   | 1.304m                   | 1.126              |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 13

Chrip Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 9M         | 85.9u           | -                        | -                        | 577.7m             |
| 2     | 2                | 20M        | 73.0u           | 1.741m                   | -                        | 418.3m             |
| 3     | 2                | 8M         | 65.8u           | 1.239m                   | -                        | 875.0m             |
| 4     | 2                | 20M        | 79.4u           | 1.234m                   | -                        | 633.5m             |
| 5     | 3                | 11M        | 56.5u           | 1.399m                   | 1.630m                   | 869.1m             |
| 6     | 2                | 9M         | 80.4u           | 1.289m                   | -                        | 77.73m             |
| 7     | 3                | 10M        | 97.9u           | 967.1u                   | 1.454m                   | 512.3m             |
| 8     | 2                | 12M        | 73.8u           | 1.353m                   | -                        | 179.1m             |
| 9     | 3                | 7M         | 56.5u           | 1.168m                   | 1.553m                   | 232.8m             |
| 10    | 3                | 16M        | 92.3u           | 1.440m                   | 1.466m                   | 457.5m             |
| 11    | 1                | 19M        | 62.3u           | -                        | -                        | 828.0m             |
| 12    | 3                | 16M        | 81.6u           | 1.374m                   | 1.655m                   | 583.6m             |
| 13    | 2                | 14M        | 63.2u           | 1.076m                   | -                        | 239.3m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_07  
Number of Bursts in Trial: 19  
Chrip Center Frequency: 5501MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 19M        | 59.5u           | -                        | -                        | 156.8m             |
| 2     | 2                | 15M        | 83.6u           | 1.578m                   | -                        | 511.4m             |
| 3     | 3                | 17M        | 60.9u           | 1.153m                   | 1.606m                   | 416.5m             |
| 4     | 2                | 11M        | 93.0u           | 1.830m                   | -                        | 141.7m             |
| 5     | 2                | 10M        | 59.6u           | 1.831m                   | -                        | 171.5m             |
| 6     | 1                | 16M        | 65.1u           | -                        | -                        | 329.3m             |
| 7     | 2                | 8M         | 50.2u           | 1.826m                   | -                        | 333.2m             |
| 8     | 3                | 19M        | 68.1u           | 1.857m                   | 1.003m                   | 483.2m             |
| 9     | 2                | 9M         | 99.6u           | 1.794m                   | -                        | 393.7m             |
| 10    | 3                | 19M        | 78.2u           | 1.683m                   | 1.446m                   | 229.9m             |
| 11    | 1                | 11M        | 65.9u           | -                        | -                        | 98.38m             |
| 12    | 2                | 17M        | 66.1u           | 1.432m                   | -                        | 622.7m             |
| 13    | 2                | 15M        | 97.3u           | 1.081m                   | -                        | 433.4m             |
| 14    | 1                | 15M        | 58.3u           | -                        | -                        | 453.0m             |
| 15    | 2                | 6M         | 75.0u           | 1.732m                   | -                        | 517.2m             |
| 16    | 1                | 7M         | 64.9u           | -                        | -                        | 396.3m             |
| 17    | 3                | 9M         | 71.7u           | 1.422m                   | 1.586m                   | 214.5m             |
| 18    | 2                | 12M        | 88.9u           | 1.520m                   | -                        | 69.25m             |
| 19    | 3                | 5M         | 58.1u           | 1.068m                   | 1.719m                   | 304.9m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_08  
Number of Bursts in Trial: 17  
Chrip Center Frequency: 5502MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 14M        | 84.3u           | 1.190m                   | -                        | 30.69m             |
| 2     | 2                | 17M        | 86.0u           | 1.872m                   | -                        | 397.6m             |
| 3     | 2                | 13M        | 66.2u           | 1.325m                   | -                        | 383.1m             |
| 4     | 3                | 5M         | 92.2u           | 1.576m                   | 1.324m                   | 693.6m             |
| 5     | 2                | 10M        | 96.1u           | 1.351m                   | -                        | 410.5m             |
| 6     | 3                | 16M        | 84.8u           | 1.699m                   | 1.501m                   | 528.4m             |
| 7     | 2                | 18M        | 60.5u           | 1.450m                   | -                        | 66.48m             |
| 8     | 1                | 6M         | 81.5u           | -                        | -                        | 128.5m             |
| 9     | 2                | 18M        | 67.0u           | 1.337m                   | -                        | 413.2m             |
| 10    | 2                | 10M        | 60.8u           | 1.745m                   | -                        | 457.9m             |
| 11    | 1                | 8M         | 82.9u           | -                        | -                        | 151.3m             |
| 12    | 2                | 7M         | 50.1u           | 1.015m                   | -                        | 329.0m             |
| 13    | 1                | 5M         | 66.1u           | -                        | -                        | 128.9m             |
| 14    | 2                | 6M         | 95.0u           | 1.264m                   | -                        | 522.3m             |
| 15    | 2                | 7M         | 50.9u           | 1.720m                   | -                        | 268.9m             |
| 16    | 3                | 14M        | 58.9u           | 1.067m                   | 1.686m                   | 458.1m             |
| 17    | 1                | 11M        | 70.1u           | -                        | -                        | 389.6m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_09  
Number of Bursts in Trial: 11  
Chrip Center Frequency: 5503MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 5M         | 75.0u           | 1.721m                   | -                        | 1.042              |
| 2     | 2                | 11M        | 59.5u           | 1.518m                   | -                        | 333.8m             |
| 3     | 2                | 12M        | 67.0u           | 1.913m                   | -                        | 269.9m             |
| 4     | 3                | 19M        | 85.7u           | 1.249m                   | 1.364m                   | 37.14m             |
| 5     | 3                | 8M         | 64.6u           | 1.181m                   | 1.751m                   | 408.1m             |
| 6     | 2                | 10M        | 92.5u           | 933.5u                   | -                        | 934.1m             |
| 7     | 2                | 7M         | 78.8u           | 1.629m                   | -                        | 800.6m             |
| 8     | 2                | 8M         | 80.8u           | 1.888m                   | -                        | 787.2m             |
| 9     | 2                | 10M        | 64.6u           | 1.250m                   | -                        | 578.8m             |
| 10    | 1                | 16M        | 51.7u           | -                        | -                        | 116.7m             |
| 11    | 1                | 15M        | 63.5u           | -                        | -                        | 438.5m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_10  
Number of Bursts in Trial: 19  
Chrip Center Frequency: 5504MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 19M        | 63.5u           | 1.520m                   | 1.316m                   | 157.8m             |
| 2     | 2                | 6M         | 74.0u           | 1.618m                   | -                        | 423.4m             |
| 3     | 2                | 16M        | 77.1u           | 1.676m                   | -                        | 351.2m             |
| 4     | 1                | 13M        | 79.8u           | -                        | -                        | 427.6m             |
| 5     | 3                | 9M         | 96.7u           | 1.475m                   | 1.718m                   | 411.8m             |
| 6     | 2                | 12M        | 65.2u           | 1.171m                   | -                        | 207.5m             |
| 7     | 2                | 10M        | 85.0u           | 1.357m                   | -                        | 72.16m             |
| 8     | 2                | 8M         | 96.0u           | 1.637m                   | -                        | 426.8m             |
| 9     | 2                | 19M        | 91.5u           | 1.602m                   | -                        | 333.1m             |
| 10    | 2                | 13M        | 70.1u           | 981.9u                   | -                        | 530.2m             |
| 11    | 2                | 15M        | 74.8u           | 1.679m                   | -                        | 297.3m             |
| 12    | 2                | 7M         | 64.8u           | 1.916m                   | -                        | 9.109m             |
| 13    | 1                | 19M        | 64.1u           | -                        | -                        | 104.0m             |
| 14    | 3                | 15M        | 88.4u           | 1.629m                   | 1.543m                   | 13.68m             |
| 15    | 2                | 6M         | 98.8u           | 1.572m                   | -                        | 91.11m             |
| 16    | 2                | 13M        | 66.3u           | 1.885m                   | -                        | 325.0m             |
| 17    | 2                | 13M        | 63.1u           | 1.637m                   | -                        | 149.0m             |
| 18    | 2                | 16M        | 64.8u           | 1.666m                   | -                        | 28.55m             |
| 19    | 3                | 16M        | 94.5u           | 1.298m                   | 1.717m                   | 314.5m             |



Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_11  
Number of Bursts in Trial: 20  
Chrip Center Frequency: 5505MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 16M        | 90.9u           | 1.526m                   | -                        | 525.6m             |
| 2     | 2                | 19M        | 63.2u           | 1.091m                   | -                        | 67.59m             |
| 3     | 1                | 13M        | 95.7u           | -                        | -                        | 197.3m             |
| 4     | 2                | 20M        | 96.4u           | 1.656m                   | -                        | 68.64m             |
| 5     | 1                | 5M         | 65.2u           | -                        | -                        | 199.6m             |
| 6     | 1                | 7M         | 83.5u           | -                        | -                        | 540.0m             |
| 7     | 3                | 19M        | 95.9u           | 1.569m                   | 1.135m                   | 296.3m             |
| 8     | 3                | 13M        | 56.5u           | 1.204m                   | 1.114m                   | 166.0m             |
| 9     | 2                | 17M        | 83.5u           | 1.480m                   | -                        | 471.5m             |
| 10    | 2                | 10M        | 63.7u           | 1.569m                   | -                        | 123.8m             |
| 11    | 2                | 16M        | 76.7u           | 1.703m                   | -                        | 340.3m             |
| 12    | 2                | 15M        | 61.2u           | 1.904m                   | -                        | 294.1m             |
| 13    | 3                | 17M        | 56.9u           | 1.754m                   | 979.1u                   | 241.7m             |
| 14    | 2                | 17M        | 58.5u           | 1.564m                   | -                        | 535.4m             |
| 15    | 1                | 18M        | 61.9u           | -                        | -                        | 510.0m             |
| 16    | 2                | 9M         | 83.9u           | 1.168m                   | -                        | 172.9m             |
| 17    | 1                | 9M         | 52.4u           | -                        | -                        | 173.5m             |
| 18    | 2                | 5M         | 89.8u           | 1.425m                   | -                        | 138.8m             |
| 19    | 2                | 10M        | 97.4u           | 1.793m                   | -                        | 68.37m             |
| 20    | 3                | 8M         | 71.3u           | 961.7u                   | 1.411m                   | 42.34m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_12  
Number of Bursts in Trial: 20  
Chrip Center Frequency: 5506MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 13M        | 53.9u           | 1.060m                   | -                        | 197.3m             |
| 2     | 2                | 16M        | 60.5u           | 1.602m                   | -                        | 415.6m             |
| 3     | 1                | 7M         | 66.1u           | -                        | -                        | 125.7m             |
| 4     | 3                | 15M        | 55.0u           | 1.585m                   | 1.629m                   | 415.0m             |
| 5     | 2                | 18M        | 92.3u           | 1.542m                   | -                        | 437.0m             |
| 6     | 3                | 10M        | 85.7u           | 961.3u                   | 1.733m                   | 41.45m             |
| 7     | 2                | 19M        | 72.6u           | 1.230m                   | -                        | 150.5m             |
| 8     | 1                | 19M        | 81.5u           | -                        | -                        | 490.2m             |
| 9     | 3                | 10M        | 67.8u           | 1.053m                   | 1.336m                   | 31.63m             |
| 10    | 2                | 7M         | 86.7u           | 1.287m                   | -                        | 379.2m             |
| 11    | 2                | 6M         | 58.1u           | 1.849m                   | -                        | 421.9m             |
| 12    | 2                | 8M         | 74.4u           | 1.788m                   | -                        | 319.3m             |
| 13    | 2                | 16M        | 74.3u           | 1.595m                   | -                        | 101.9m             |
| 14    | 2                | 12M        | 81.0u           | 1.069m                   | -                        | 79.78m             |
| 15    | 2                | 13M        | 97.4u           | 1.742m                   | -                        | 227.5m             |
| 16    | 3                | 13M        | 89.1u           | 1.275m                   | 1.052m                   | 551.6m             |
| 17    | 2                | 17M        | 94.0u           | 1.122m                   | -                        | 23.70m             |
| 18    | 3                | 7M         | 98.7u           | 1.723m                   | 1.061m                   | 143.0m             |
| 19    | 3                | 9M         | 81.2u           | 1.199m                   | 1.830m                   | 118.2m             |
| 20    | 2                | 18M        | 69.6u           | 1.738m                   | -                        | 261.1m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_13

Number of Bursts in Trial: 19

Chirp Center Frequency: 5507MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 7M         | 69.5u           | 1.086m                   | -                        | 252.5m             |
| 2     | 2                | 8M         | 54.9u           | 1.425m                   | -                        | 84.94m             |
| 3     | 3                | 16M        | 64.1u           | 1.346m                   | 1.245m                   | 258.3m             |
| 4     | 2                | 12M        | 91.3u           | 1.034m                   | -                        | 258.5m             |
| 5     | 2                | 13M        | 69.2u           | 1.374m                   | -                        | 483.3m             |
| 6     | 3                | 15M        | 90.9u           | 1.239m                   | 991.1u                   | 262.4m             |
| 7     | 3                | 15M        | 66.7u           | 1.838m                   | 1.830m                   | 61.01m             |
| 8     | 2                | 9M         | 96.3u           | 1.837m                   | -                        | 183.0m             |
| 9     | 2                | 19M        | 79.4u           | 1.684m                   | -                        | 198.7m             |
| 10    | 2                | 17M        | 84.0u           | 1.297m                   | -                        | 516.2m             |
| 11    | 1                | 9M         | 95.7u           | -                        | -                        | 486.3m             |
| 12    | 2                | 19M        | 53.4u           | 1.125m                   | -                        | 237.4m             |
| 13    | 3                | 12M        | 89.1u           | 1.676m                   | 1.215m                   | 94.13m             |
| 14    | 3                | 13M        | 97.7u           | 906.3u                   | 1.712m                   | 157.8m             |
| 15    | 3                | 11M        | 84.6u           | 1.459m                   | 1.361m                   | 497.8m             |
| 16    | 2                | 8M         | 51.0u           | 976.0u                   | -                        | 312.8m             |
| 17    | 1                | 15M        | 73.9u           | -                        | -                        | 96.07m             |
| 18    | 2                | 17M        | 97.5u           | 1.287m                   | -                        | 192.4m             |
| 19    | 3                | 13M        | 53.2u           | 1.577m                   | 1.069m                   | 579.2m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_14

Number of Bursts in Trial: 8

Chirp Center Frequency: 5508MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 14M        | 87.1u           | 1.765m                   | 1.565m                   | 61.39m             |
| 2     | 2                | 12M        | 82.3u           | 1.197m                   | -                        | 1.371              |
| 3     | 2                | 14M        | 58.9u           | 1.114m                   | -                        | 1.471              |
| 4     | 2                | 14M        | 93.1u           | 1.005m                   | -                        | 1.080              |
| 5     | 1                | 14M        | 97.1u           | -                        | -                        | 322.3m             |
| 6     | 2                | 18M        | 74.9u           | 1.272m                   | -                        | 1.219              |
| 7     | 1                | 17M        | 60.4u           | -                        | -                        | 365.3m             |
| 8     | 2                | 16M        | 55.7u           | 1.388m                   | -                        | 502.8m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_15

Number of Bursts in Trial: 12

Chrip Center Frequency: 5509MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 10M        | 79.9u           | 1.281m                   | -                        | 809.3m             |
| 2     | 1                | 8M         | 75.3u           | -                        | -                        | 799.0m             |
| 3     | 3                | 12M        | 68.3u           | 1.808m                   | 999.7u                   | 834.5m             |
| 4     | 1                | 7M         | 52.6u           | -                        | -                        | 42.61m             |
| 5     | 2                | 16M        | 80.5u           | 1.105m                   | -                        | 898.0m             |
| 6     | 3                | 5M         | 56.7u           | 1.669m                   | 1.257m                   | 284.5m             |
| 7     | 2                | 12M        | 53.6u           | 1.109m                   | -                        | 636.5m             |
| 8     | 3                | 15M        | 93.0u           | 910.0u                   | 1.678m                   | 213.6m             |
| 9     | 3                | 15M        | 55.3u           | 1.406m                   | 1.258m                   | 95.26m             |
| 10    | 1                | 17M        | 68.6u           | -                        | -                        | 765.3m             |
| 11    | 2                | 9M         | 54.4u           | 1.828m                   | -                        | 736.0m             |
| 12    | 2                | 17M        | 73.1u           | 1.012m                   | -                        | 829.9m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_16

Number of Bursts in Trial: 20

Chrip Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 18M        | 54.3u           | -                        | -                        | 356.1m             |
| 2     | 3                | 14M        | 94.5u           | 1.247m                   | 1.522m                   | 580.2m             |
| 3     | 1                | 8M         | 75.9u           | -                        | -                        | 462.9m             |
| 4     | 2                | 7M         | 62.9u           | 1.840m                   | -                        | 509.7m             |
| 5     | 2                | 11M        | 89.9u           | 1.425m                   | -                        | 347.3m             |
| 6     | 1                | 12M        | 80.6u           | -                        | -                        | 174.9m             |
| 7     | 2                | 12M        | 63.0u           | 1.759m                   | -                        | 189.8m             |
| 8     | 1                | 5M         | 83.4u           | -                        | -                        | 93.20m             |
| 9     | 1                | 16M        | 57.9u           | -                        | -                        | 249.4m             |
| 10    | 2                | 8M         | 52.0u           | 1.678m                   | -                        | 72.75m             |
| 11    | 1                | 13M        | 92.2u           | -                        | -                        | 360.0m             |
| 12    | 2                | 9M         | 75.2u           | 1.910m                   | -                        | 151.4m             |
| 13    | 3                | 16M        | 90.6u           | 1.807m                   | 1.184m                   | 419.1m             |
| 14    | 2                | 8M         | 62.2u           | 954.8u                   | -                        | 32.33m             |
| 15    | 3                | 19M        | 88.8u           | 1.407m                   | 1.201m                   | 376.7m             |
| 16    | 1                | 13M        | 50.1u           | -                        | -                        | 134.7m             |
| 17    | 1                | 9M         | 62.0u           | -                        | -                        | 276.9m             |
| 18    | 2                | 20M        | 96.8u           | 1.292m                   | -                        | 137.9m             |
| 19    | 3                | 14M        | 69.7u           | 1.184m                   | 955.3u                   | 413.2m             |
| 20    | 1                | 14M        | 82.8u           | -                        | -                        | 337.5m             |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_17

Number of Bursts in Trial: 12

Chrip Center Frequency: 5511MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 16M        | 91.2u           | 1.553m                   | -                        | 323.4m             |
| 2     | 2                | 7M         | 51.9u           | 1.276m                   | -                        | 826.9m             |
| 3     | 2                | 8M         | 89.5u           | 1.189m                   | -                        | 638.6m             |
| 4     | 2                | 6M         | 78.0u           | 942.0u                   | -                        | 764.5m             |
| 5     | 1                | 10M        | 68.4u           | -                        | -                        | 516.7m             |
| 6     | 2                | 5M         | 95.1u           | 1.893m                   | -                        | 458.3m             |
| 7     | 2                | 7M         | 53.9u           | 1.781m                   | -                        | 989.4m             |
| 8     | 2                | 15M        | 58.1u           | 1.622m                   | -                        | 356.4m             |
| 9     | 3                | 11M        | 51.1u           | 1.573m                   | 1.866m                   | 41.67m             |
| 10    | 3                | 11M        | 51.5u           | 1.401m                   | 1.690m                   | 793.7m             |
| 11    | 3                | 20M        | 89.4u           | 1.398m                   | 913.6u                   | 249.5m             |
| 12    | 3                | 13M        | 92.8u           | 1.707m                   | 1.073m                   | 812.1m             |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_18

Number of Bursts in Trial: 9

Chrip Center Frequency: 5512MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 8M         | 65.5u           | 1.612m                   | -                        | 1.059              |
| 2     | 1                | 10M        | 85.3u           | -                        | -                        | 733.3m             |
| 3     | 3                | 17M        | 68.3u           | 1.031m                   | 1.269m                   | 977.9m             |
| 4     | 1                | 16M        | 59.1u           | -                        | -                        | 1.017              |
| 5     | 2                | 13M        | 96.2u           | 1.661m                   | -                        | 34.33m             |
| 6     | 2                | 9M         | 59.6u           | 1.423m                   | -                        | 86.83m             |
| 7     | 2                | 12M        | 70.0u           | 1.724m                   | -                        | 51.12m             |
| 8     | 2                | 7M         | 50.5u           | 1.405m                   | -                        | 814.3m             |
| 9     | 2                | 10M        | 60.8u           | 1.598m                   | -                        | 693.0m             |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_19

Number of Bursts in Trial: 11

Chrip Center Frequency: 5513MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 10M        | 80.6u           | -                        | -                        | 652.2m             |
| 2     | 3                | 14M        | 84.1u           | 1.477m                   | 1.702m                   | 794.9m             |
| 3     | 2                | 11M        | 97.0u           | 1.160m                   | -                        | 273.1m             |
| 4     | 1                | 17M        | 92.2u           | -                        | -                        | 1.077              |
| 5     | 1                | 15M        | 78.6u           | -                        | -                        | 39.50m             |
| 6     | 3                | 13M        | 70.2u           | 1.658m                   | 1.759m                   | 533.6m             |
| 7     | 2                | 12M        | 87.0u           | 1.572m                   | -                        | 657.1m             |
| 8     | 2                | 7M         | 72.8u           | 1.747m                   | -                        | 844.5m             |
| 9     | 2                | 8M         | 92.9u           | 1.267m                   | -                        | 670.0m             |
| 10    | 1                | 15M        | 59.1u           | -                        | -                        | 58.26m             |
| 11    | 2                | 7M         | 76.0u           | 1.305m                   | -                        | 620.3m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_20

Number of Bursts in Trial: 12

Chrip Center Frequency: 5514MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 19M        | 57.3u           | -                        | -                        | 533.5m             |
| 2     | 1                | 19M        | 54.9u           | -                        | -                        | 487.2m             |
| 3     | 2                | 17M        | 61.0u           | 1.458m                   | -                        | 407.8m             |
| 4     | 3                | 7M         | 64.2u           | 1.389m                   | 1.586m                   | 815.5m             |
| 5     | 2                | 11M        | 90.4u           | 1.345m                   | -                        | 807.4m             |
| 6     | 3                | 7M         | 81.3u           | 1.278m                   | 1.599m                   | 384.2m             |
| 7     | 2                | 15M        | 51.9u           | 1.350m                   | -                        | 477.5m             |
| 8     | 3                | 18M        | 73.9u           | 1.676m                   | 1.256m                   | 840.9m             |
| 9     | 2                | 10M        | 83.6u           | 1.801m                   | -                        | 594.4m             |
| 10    | 2                | 15M        | 63.0u           | 1.835m                   | -                        | 505.6m             |
| 11    | 3                | 19M        | 82.3u           | 1.894m                   | 1.321m                   | 28.20m             |
| 12    | 1                | 16M        | 97.0u           | -                        | -                        | 660.1m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_21

Number of Bursts in Trial: 16

Chrip Center Frequency: 5515MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 15M        | 85.0u           | -                        | -                        | 302.0m             |
| 2     | 2                | 16M        | 90.0u           | 1.364m                   | -                        | 295.1m             |
| 3     | 2                | 8M         | 60.0u           | 1.226m                   | -                        | 304.6m             |
| 4     | 2                | 20M        | 67.8u           | 1.419m                   | -                        | 722.8m             |
| 5     | 1                | 11M        | 89.2u           | -                        | -                        | 571.1m             |
| 6     | 1                | 12M        | 98.0u           | -                        | -                        | 711.1m             |
| 7     | 1                | 12M        | 76.9u           | -                        | -                        | 147.8m             |
| 8     | 3                | 14M        | 83.2u           | 1.026m                   | 1.726m                   | 289.0m             |
| 9     | 1                | 18M        | 93.9u           | -                        | -                        | 430.8m             |
| 10    | 2                | 14M        | 67.8u           | 1.504m                   | -                        | 150.2m             |
| 11    | 1                | 14M        | 54.5u           | -                        | -                        | 729.7m             |
| 12    | 2                | 16M        | 93.4u           | 1.835m                   | -                        | 624.5m             |
| 13    | 1                | 17M        | 66.0u           | -                        | -                        | 70.58m             |
| 14    | 3                | 15M        | 74.5u           | 958.5u                   | 1.026m                   | 199.2m             |
| 15    | 2                | 14M        | 62.8u           | 1.734m                   | -                        | 471.7m             |
| 16    | 2                | 5M         | 91.4u           | 1.054m                   | -                        | 672.3m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 11

Chirp Center Frequency: 5516MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 11M        | 80.8u           | 1.059m                   | -                        | 764.1m             |
| 2     | 2                | 10M        | 66.5u           | 1.599m                   | -                        | 411.4m             |
| 3     | 3                | 14M        | 53.6u           | 1.104m                   | 1.106m                   | 645.2m             |
| 4     | 3                | 14M        | 65.4u           | 1.922m                   | 1.016m                   | 407.2m             |
| 5     | 3                | 8M         | 78.0u           | 1.465m                   | 1.446m                   | 1.007              |
| 6     | 2                | 9M         | 59.6u           | 1.123m                   | -                        | 494.9m             |
| 7     | 2                | 14M        | 50.6u           | 1.589m                   | -                        | 478.0m             |
| 8     | 1                | 19M        | 58.8u           | -                        | -                        | 651.0m             |
| 9     | 2                | 9M         | 56.0u           | 1.569m                   | -                        | 474.0m             |
| 10    | 3                | 7M         | 87.7u           | 1.149m                   | 1.000m                   | 1.033              |
| 11    | 1                | 16M        | 50.6u           | -                        | -                        | 240.7m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 13

Chirp Center Frequency: 5517MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 15M        | 82.0u           | 1.872m                   | -                        | 346.5m             |
| 2     | 2                | 10M        | 96.7u           | 1.596m                   | -                        | 295.1m             |
| 3     | 2                | 15M        | 96.3u           | 1.520m                   | -                        | 903.8m             |
| 4     | 2                | 13M        | 51.1u           | 1.455m                   | -                        | 912.6m             |
| 5     | 3                | 15M        | 97.6u           | 1.676m                   | 1.426m                   | 30.55m             |
| 6     | 2                | 10M        | 89.9u           | 1.313m                   | -                        | 241.2m             |
| 7     | 3                | 16M        | 54.6u           | 968.4u                   | 961.4u                   | 181.6m             |
| 8     | 2                | 11M        | 79.4u           | 1.149m                   | -                        | 167.3m             |
| 9     | 3                | 13M        | 84.5u           | 1.107m                   | 1.504m                   | 803.5m             |
| 10    | 2                | 19M        | 75.2u           | 1.419m                   | -                        | 263.5m             |
| 11    | 3                | 6M         | 68.2u           | 1.201m                   | 1.520m                   | 599.2m             |
| 12    | 3                | 5M         | 66.5u           | 1.683m                   | 1.591m                   | 654.5m             |
| 13    | 3                | 10M        | 96.1u           | 1.150m                   | 1.621m                   | 495.7m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_24  
Number of Bursts in Trial: 9  
Chrip Center Frequency: 5518MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 13M        | 99.4u           | 1.649m                   | 992.6u                   | 956.0m             |
| 2     | 2                | 15M        | 78.5u           | 1.058m                   | -                        | 726.3m             |
| 3     | 2                | 16M        | 63.5u           | 1.497m                   | -                        | 34.09m             |
| 4     | 3                | 9M         | 57.5u           | 1.399m                   | 1.696m                   | 434.2m             |
| 5     | 2                | 11M        | 94.2u           | 1.305m                   | -                        | 751.6m             |
| 6     | 2                | 10M        | 57.8u           | 1.068m                   | -                        | 837.2m             |
| 7     | 2                | 7M         | 60.4u           | 1.727m                   | -                        | 209.6m             |
| 8     | 1                | 15M        | 76.5u           | -                        | -                        | 1.148              |
| 9     | 2                | 18M        | 62.8u           | 1.288m                   | -                        | 1.201              |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_25  
Number of Bursts in Trial: 11  
Chrip Center Frequency: 5519MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 16M        | 78.7u           | 1.329m                   | 1.448m                   | 601.3m             |
| 2     | 3                | 17M        | 85.5u           | 1.223m                   | 1.422m                   | 287.5m             |
| 3     | 2                | 7M         | 85.3u           | 1.192m                   | -                        | 169.2m             |
| 4     | 2                | 14M        | 94.2u           | 1.824m                   | -                        | 74.75m             |
| 5     | 1                | 18M        | 71.6u           | -                        | -                        | 333.2m             |
| 6     | 1                | 11M        | 59.2u           | -                        | -                        | 37.23m             |
| 7     | 2                | 14M        | 67.8u           | 1.387m                   | -                        | 645.7m             |
| 8     | 1                | 7M         | 53.4u           | -                        | -                        | 219.7m             |
| 9     | 2                | 14M        | 82.3u           | 1.820m                   | -                        | 795.7m             |
| 10    | 1                | 13M        | 55.2u           | -                        | -                        | 439.1m             |
| 11    | 3                | 6M         | 64.1u           | 1.358m                   | 1.151m                   | 796.2m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_26  
Number of Bursts in Trial: 10  
Chrip Center Frequency: 5520MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 15M        | 69.2u           | 1.694m                   | 1.760m                   | 52.91m             |
| 2     | 3                | 17M        | 59.0u           | 1.410m                   | 1.037m                   | 1.168              |
| 3     | 3                | 11M        | 78.5u           | 1.643m                   | 1.190m                   | 243.2m             |
| 4     | 2                | 6M         | 82.8u           | 1.640m                   | -                        | 1.140              |
| 5     | 1                | 12M        | 74.2u           | -                        | -                        | 861.1m             |
| 6     | 2                | 8M         | 90.1u           | 1.869m                   | -                        | 1.099              |
| 7     | 2                | 10M        | 73.0u           | 1.352m                   | -                        | 407.3m             |
| 8     | 2                | 14M        | 86.8u           | 1.238m                   | -                        | 316.1m             |
| 9     | 3                | 6M         | 67.7u           | 1.261m                   | 1.104m                   | 614.7m             |
| 10    | 2                | 13M        | 63.3u           | 1.234m                   | -                        | 579.9m             |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 9

Chirp Center Frequency: 5521MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 13M        | 50.7u           | 1.676m                   | -                        | 396.1m             |
| 2     | 2                | 11M        | 57.3u           | 972.7u                   | -                        | 371.9m             |
| 3     | 1                | 11M        | 92.5u           | -                        | -                        | 1.007              |
| 4     | 3                | 9M         | 90.1u           | 938.9u                   | 1.176m                   | 1.291              |
| 5     | 3                | 17M        | 75.1u           | 1.382m                   | 1.914m                   | 1.033              |
| 6     | 1                | 12M        | 87.6u           | -                        | -                        | 234.2m             |
| 7     | 3                | 7M         | 83.8u           | 1.274m                   | 1.764m                   | 1.007              |
| 8     | 1                | 11M        | 68.8u           | -                        | -                        | 691.0m             |
| 9     | 2                | 10M        | 65.5u           | 1.282m                   | -                        | 1.047              |

## Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 11

Chirp Center Frequency: 5522MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 20M        | 54.2u           | 1.297m                   | 1.736m                   | 354.2m             |
| 2     | 1                | 18M        | 92.9u           | -                        | -                        | 71.46m             |
| 3     | 3                | 16M        | 61.3u           | 1.616m                   | 1.217m                   | 362.1m             |
| 4     | 3                | 19M        | 67.3u           | 1.069m                   | 1.013m                   | 766.7m             |
| 5     | 2                | 14M        | 72.3u           | 956.7u                   | -                        | 909.2m             |
| 6     | 2                | 8M         | 75.0u           | 1.230m                   | -                        | 29.21m             |
| 7     | 3                | 8M         | 97.7u           | 1.011m                   | 1.208m                   | 786.3m             |
| 8     | 2                | 8M         | 96.5u           | 1.780m                   | -                        | 112.8m             |
| 9     | 1                | 10M        | 84.6u           | -                        | -                        | 386.8m             |
| 10    | 1                | 7M         | 50.5u           | -                        | -                        | 22.32m             |
| 11    | 1                | 11M        | 63.3u           | -                        | -                        | 330.4m             |



Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_29  
Number of Bursts in Trial: 14  
Chirp Center Frequency: 5523MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 16M        | 60.3u           | 1.726m                   | 961.7u                   | 74.70m             |
| 2     | 3                | 10M        | 89.9u           | 1.470m                   | 1.781m                   | 776.6m             |
| 3     | 1                | 10M        | 60.2u           | -                        | -                        | 319.7m             |
| 4     | 3                | 11M        | 66.1u           | 1.529m                   | 1.393m                   | 511.2m             |
| 5     | 2                | 13M        | 57.2u           | 1.770m                   | -                        | 511.6m             |
| 6     | 2                | 6M         | 58.2u           | 1.186m                   | -                        | 208.0m             |
| 7     | 3                | 19M        | 54.1u           | 1.142m                   | 1.062m                   | 369.0m             |
| 8     | 1                | 16M        | 78.4u           | -                        | -                        | 665.3m             |
| 9     | 2                | 10M        | 75.5u           | 1.027m                   | -                        | 539.1m             |
| 10    | 1                | 19M        | 86.4u           | -                        | -                        | 444.0m             |
| 11    | 3                | 7M         | 70.0u           | 1.390m                   | 1.493m                   | 437.8m             |
| 12    | 1                | 16M        | 52.3u           | -                        | -                        | 838.7m             |
| 13    | 2                | 11M        | 61.4u           | 1.880m                   | -                        | 757.1m             |
| 14    | 3                | 5M         | 88.8u           | 1.391m                   | 917.2u                   | 747.2m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_30  
Number of Bursts in Trial: 20  
Chirp Center Frequency: 5524MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 9M         | 82.5u           | 1.272m                   | -                        | 575.7m             |
| 2     | 1                | 12M        | 71.0u           | -                        | -                        | 43.73m             |
| 3     | 2                | 20M        | 72.7u           | 1.581m                   | -                        | 13.17m             |
| 4     | 2                | 8M         | 50.5u           | 1.679m                   | -                        | 302.9m             |
| 5     | 1                | 19M        | 69.7u           | -                        | -                        | 116.5m             |
| 6     | 2                | 12M        | 95.1u           | 987.9u                   | -                        | 585.8m             |
| 7     | 2                | 13M        | 71.5u           | 1.355m                   | -                        | 480.2m             |
| 8     | 2                | 7M         | 56.2u           | 1.277m                   | -                        | 340.3m             |
| 9     | 3                | 18M        | 99.8u           | 968.2u                   | 1.845m                   | 274.5m             |
| 10    | 3                | 18M        | 90.9u           | 1.369m                   | 1.379m                   | 78.28m             |
| 11    | 3                | 11M        | 82.0u           | 1.261m                   | 1.737m                   | 403.4m             |
| 12    | 2                | 9M         | 89.3u           | 1.353m                   | -                        | 581.3m             |
| 13    | 2                | 16M        | 97.9u           | 1.331m                   | -                        | 596.7m             |
| 14    | 1                | 11M        | 78.1u           | -                        | -                        | 50.82m             |
| 15    | 3                | 7M         | 80.7u           | 1.566m                   | 1.247m                   | 260.8m             |
| 16    | 2                | 19M        | 59.9u           | 1.095m                   | -                        | 482.4m             |
| 17    | 3                | 19M        | 69.9u           | 1.278m                   | 1.437m                   | 265.6m             |
| 18    | 1                | 13M        | 67.5u           | -                        | -                        | 52.23m             |
| 19    | 3                | 10M        | 57.5u           | 1.784m                   | 1.123m                   | 251.9m             |
| 20    | 2                | 18M        | 62.7u           | 1.289m                   | -                        | 261.2m             |

# Type 6 Radar Statistical Performances

EUT Test Frequency: 5510MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
|---------|------------------|-----------------|---------|-----------|
| 1       | 9                | 1.0u            | 333.0u  | Yes       |
| 2       | 9                | 1.0u            | 333.0u  | Yes       |
| 3       | 9                | 1.0u            | 333.0u  | Yes       |
| 4       | 9                | 1.0u            | 333.0u  | Yes       |
| 5       | 9                | 1.0u            | 333.0u  | Yes       |
| 6       | 9                | 1.0u            | 333.0u  | Yes       |
| 7       | 9                | 1.0u            | 333.0u  | Yes       |
| 8       | 9                | 1.0u            | 333.0u  | Yes       |
| 9       | 9                | 1.0u            | 333.0u  | Yes       |
| 10      | 9                | 1.0u            | 333.0u  | Yes       |
| 11      | 9                | 1.0u            | 333.0u  | Yes       |
| 12      | 9                | 1.0u            | 333.0u  | No        |
| 13      | 9                | 1.0u            | 333.0u  | Yes       |
| 14      | 9                | 1.0u            | 333.0u  | Yes       |
| 15      | 9                | 1.0u            | 333.0u  | Yes       |
| 16      | 9                | 1.0u            | 333.0u  | Yes       |
| 17      | 9                | 1.0u            | 333.0u  | Yes       |
| 18      | 9                | 1.0u            | 333.0u  | No        |
| 19      | 9                | 1.0u            | 333.0u  | Yes       |
| 20      | 9                | 1.0u            | 333.0u  | Yes       |
| 21      | 9                | 1.0u            | 333.0u  | Yes       |
| 22      | 9                | 1.0u            | 333.0u  | Yes       |
| 23      | 9                | 1.0u            | 333.0u  | Yes       |
| 24      | 9                | 1.0u            | 333.0u  | Yes       |
| 25      | 9                | 1.0u            | 333.0u  | Yes       |
| 26      | 9                | 1.0u            | 333.0u  | Yes       |
| 27      | 9                | 1.0u            | 333.0u  | Yes       |
| 28      | 9                | 1.0u            | 333.0u  | Yes       |
| 29      | 9                | 1.0u            | 333.0u  | Yes       |
| 30      | 9                | 1.0u            | 333.0u  | Yes       |

Detection Rate: 93.3 %

# Type 6 Radar Statistical Performances

| Trial # | Hopping Frequency Sequence Name | Detection              |
|---------|---------------------------------|------------------------|
| 1       | HOP_FREQ_SEQ_01                 | Yes                    |
| 2       | HOP_FREQ_SEQ_02                 | Yes                    |
| 3       | HOP_FREQ_SEQ_03                 | Yes                    |
| 4       | HOP_FREQ_SEQ_04                 | Yes                    |
| 5       | HOP_FREQ_SEQ_05                 | Yes                    |
| 6       | HOP_FREQ_SEQ_06                 | Yes                    |
| 7       | HOP_FREQ_SEQ_07                 | Yes                    |
| 8       | HOP_FREQ_SEQ_08                 | Yes                    |
| 9       | HOP_FREQ_SEQ_09                 | Yes                    |
| 10      | HOP_FREQ_SEQ_10                 | Yes                    |
| 11      | HOP_FREQ_SEQ_11                 | Yes                    |
| 12      | HOP_FREQ_SEQ_12                 | No                     |
| 13      | HOP_FREQ_SEQ_13                 | Yes                    |
| 14      | HOP_FREQ_SEQ_14                 | Yes                    |
| 15      | HOP_FREQ_SEQ_15                 | Yes                    |
| 16      | HOP_FREQ_SEQ_16                 | Yes                    |
| 17      | HOP_FREQ_SEQ_17                 | Yes                    |
| 18      | HOP_FREQ_SEQ_18                 | No                     |
| 19      | HOP_FREQ_SEQ_19                 | Yes                    |
| 20      | HOP_FREQ_SEQ_20                 | Yes                    |
| 21      | HOP_FREQ_SEQ_21                 | Yes                    |
| 22      | HOP_FREQ_SEQ_22                 | Yes                    |
| 23      | HOP_FREQ_SEQ_23                 | Yes                    |
| 24      | HOP_FREQ_SEQ_24                 | Yes                    |
| 25      | HOP_FREQ_SEQ_25                 | Yes                    |
| 26      | HOP_FREQ_SEQ_26                 | Yes                    |
| 27      | HOP_FREQ_SEQ_27                 | Yes                    |
| 28      | HOP_FREQ_SEQ_28                 | Yes                    |
| 29      | HOP_FREQ_SEQ_29                 | Yes                    |
| 30      | HOP_FREQ_SEQ_30                 | Yes                    |
|         |                                 | Detection Rate: 93.3 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.661G         | 2    | 5.682G         | 3    | 5.347G         | 4    | 5.275G         |
| 5                                                | 5.582G         | 6    | 5.334G         | 7    | 5.691G         | 8    | 5.453G         |
| 9                                                | 5.693G         | 10   | 5.601G         | 11   | 5.713G         | 12   | 5.585G         |
| 13                                               | 5.341G         | 14   | 5.511G         | 15   | 5.445G         | 16   | 5.670G         |
| 17                                               | 5.666G         | 18   | 5.296G         | 19   | 5.465G         | 20   | 5.679G         |
| 21                                               | 5.256G         | 22   | 5.714G         | 23   | 5.494G         | 24   | 5.454G         |
| 25                                               | 5.317G         | 26   | 5.290G         | 27   | 5.376G         | 28   | 5.612G         |
| 29                                               | 5.648G         | 30   | 5.439G         | 31   | 5.474G         | 32   | 5.563G         |
| 33                                               | 5.416G         | 34   | 5.721G         | 35   | 5.351G         | 36   | 5.668G         |
| 37                                               | 5.435G         | 38   | 5.440G         | 39   | 5.664G         | 40   | 5.369G         |
| 41                                               | 5.600G         | 42   | 5.292G         | 43   | 5.534G         | 44   | 5.708G         |
| 45                                               | 5.624G         | 46   | 5.537G         | 47   | 5.652G         | 48   | 5.655G         |
| 49                                               | 5.374G         | 50   | 5.336G         | 51   | 5.643G         | 52   | 5.437G         |
| 53                                               | 5.533G         | 54   | 5.482G         | 55   | 5.285G         | 56   | 5.443G         |
| 57                                               | 5.501G         | 58   | 5.547G         | 59   | 5.274G         | 60   | 5.650G         |
| 61                                               | 5.683G         | 62   | 5.615G         | 63   | 5.280G         | 64   | 5.469G         |
| 65                                               | 5.628G         | 66   | 5.639G         | 67   | 5.426G         | 68   | 5.379G         |
| 69                                               | 5.393G         | 70   | 5.479G         | 71   | 5.706G         | 72   | 5.604G         |
| 73                                               | 5.315G         | 74   | 5.605G         | 75   | 5.371G         | 76   | 5.409G         |
| 77                                               | 5.282G         | 78   | 5.572G         | 79   | 5.333G         | 80   | 5.272G         |
| 81                                               | 5.645G         | 82   | 5.588G         | 83   | 5.402G         | 84   | 5.399G         |
| 85                                               | 5.442G         | 86   | 5.258G         | 87   | 5.673G         | 88   | 5.575G         |
| 89                                               | 5.309G         | 90   | 5.570G         | 91   | 5.313G         | 92   | 5.701G         |
| 93                                               | 5.678G         | 94   | 5.510G         | 95   | 5.622G         | 96   | 5.580G         |
| 97                                               | 5.700G         | 98   | 5.250G         | 99   | 5.456G         | 100  | 5.633G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.414G         | 2    | 5.439G         | 3    | 5.282G         | 4    | 5.592G         |
| 5                                                | 5.714G         | 6    | 5.570G         | 7    | 5.685G         | 8    | 5.466G         |
| 9                                                | 5.529G         | 10   | 5.637G         | 11   | 5.396G         | 12   | 5.708G         |
| 13                                               | 5.298G         | 14   | 5.361G         | 15   | 5.663G         | 16   | 5.651G         |
| 17                                               | 5.601G         | 18   | 5.690G         | 19   | 5.522G         | 20   | 5.557G         |
| 21                                               | 5.589G         | 22   | 5.391G         | 23   | 5.511G         | 24   | 5.263G         |
| 25                                               | 5.636G         | 26   | 5.284G         | 27   | 5.615G         | 28   | 5.408G         |
| 29                                               | 5.721G         | 30   | 5.318G         | 31   | 5.463G         | 32   | 5.562G         |
| 33                                               | 5.290G         | 34   | 5.250G         | 35   | 5.706G         | 36   | 5.452G         |
| 37                                               | 5.526G         | 38   | 5.588G         | 39   | 5.400G         | 40   | 5.399G         |
| 41                                               | 5.357G         | 42   | 5.541G         | 43   | 5.269G         | 44   | 5.552G         |
| 45                                               | 5.431G         | 46   | 5.481G         | 47   | 5.697G         | 48   | 5.724G         |
| 49                                               | 5.461G         | 50   | 5.322G         | 51   | 5.474G         | 52   | 5.476G         |
| 53                                               | 5.330G         | 54   | 5.359G         | 55   | 5.698G         | 56   | 5.358G         |
| 57                                               | 5.464G         | 58   | 5.547G         | 59   | 5.346G         | 60   | 5.386G         |
| 61                                               | 5.676G         | 62   | 5.560G         | 63   | 5.673G         | 64   | 5.543G         |
| 65                                               | 5.275G         | 66   | 5.691G         | 67   | 5.581G         | 68   | 5.598G         |
| 69                                               | 5.616G         | 70   | 5.471G         | 71   | 5.374G         | 72   | 5.405G         |
| 73                                               | 5.254G         | 74   | 5.537G         | 75   | 5.442G         | 76   | 5.315G         |
| 77                                               | 5.546G         | 78   | 5.274G         | 79   | 5.342G         | 80   | 5.671G         |
| 81                                               | 5.416G         | 82   | 5.545G         | 83   | 5.658G         | 84   | 5.512G         |
| 85                                               | 5.555G         | 86   | 5.381G         | 87   | 5.567G         | 88   | 5.672G         |
| 89                                               | 5.296G         | 90   | 5.595G         | 91   | 5.421G         | 92   | 5.299G         |
| 93                                               | 5.540G         | 94   | 5.701G         | 95   | 5.411G         | 96   | 5.376G         |
| 97                                               | 5.494G         | 98   | 5.329G         | 99   | 5.264G         | 100  | 5.270G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.679G         | 2    | 5.317G         | 3    | 5.547G         | 4    | 5.700G         |
| 5                                                | 5.503G         | 6    | 5.452G         | 7    | 5.250G         | 8    | 5.582G         |
| 9                                                | 5.521G         | 10   | 5.374G         | 11   | 5.535G         | 12   | 5.340G         |
| 13                                               | 5.686G         | 14   | 5.430G         | 15   | 5.264G         | 16   | 5.364G         |
| 17                                               | 5.306G         | 18   | 5.462G         | 19   | 5.309G         | 20   | 5.516G         |
| 21                                               | 5.499G         | 22   | 5.315G         | 23   | 5.639G         | 24   | 5.636G         |
| 25                                               | 5.724G         | 26   | 5.417G         | 27   | 5.335G         | 28   | 5.444G         |
| 29                                               | 5.458G         | 30   | 5.536G         | 31   | 5.432G         | 32   | 5.551G         |
| 33                                               | 5.477G         | 34   | 5.661G         | 35   | 5.677G         | 36   | 5.344G         |
| 37                                               | 5.675G         | 38   | 5.693G         | 39   | 5.441G         | 40   | 5.287G         |
| 41                                               | 5.681G         | 42   | 5.328G         | 43   | 5.712G         | 44   | 5.454G         |
| 45                                               | 5.357G         | 46   | 5.561G         | 47   | 5.271G         | 48   | 5.515G         |
| 49                                               | 5.608G         | 50   | 5.538G         | 51   | 5.506G         | 52   | 5.376G         |
| 53                                               | 5.584G         | 54   | 5.355G         | 55   | 5.705G         | 56   | 5.406G         |
| 57                                               | 5.260G         | 58   | 5.683G         | 59   | 5.422G         | 60   | 5.343G         |
| 61                                               | 5.605G         | 62   | 5.518G         | 63   | 5.316G         | 64   | 5.459G         |
| 65                                               | 5.722G         | 66   | 5.689G         | 67   | 5.577G         | 68   | 5.423G         |
| 69                                               | 5.702G         | 70   | 5.527G         | 71   | 5.500G         | 72   | 5.716G         |
| 73                                               | 5.587G         | 74   | 5.710G         | 75   | 5.528G         | 76   | 5.562G         |
| 77                                               | 5.568G         | 78   | 5.349G         | 79   | 5.523G         | 80   | 5.609G         |
| 81                                               | 5.481G         | 82   | 5.378G         | 83   | 5.637G         | 84   | 5.684G         |
| 85                                               | 5.261G         | 86   | 5.615G         | 87   | 5.299G         | 88   | 5.410G         |
| 89                                               | 5.358G         | 90   | 5.548G         | 91   | 5.715G         | 92   | 5.534G         |
| 93                                               | 5.370G         | 94   | 5.289G         | 95   | 5.600G         | 96   | 5.553G         |
| 97                                               | 5.525G         | 98   | 5.520G         | 99   | 5.572G         | 100  | 5.273G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.400G         | 2    | 5.348G         | 3    | 5.316G         | 4    | 5.506G         |
| 5                                                | 5.301G         | 6    | 5.657G         | 7    | 5.382G         | 8    | 5.300G         |
| 9                                                | 5.524G         | 10   | 5.617G         | 11   | 5.349G         | 12   | 5.646G         |
| 13                                               | 5.273G         | 14   | 5.283G         | 15   | 5.446G         | 16   | 5.588G         |
| 17                                               | 5.330G         | 18   | 5.417G         | 19   | 5.669G         | 20   | 5.528G         |
| 21                                               | 5.580G         | 22   | 5.679G         | 23   | 5.628G         | 24   | 5.621G         |
| 25                                               | 5.673G         | 26   | 5.651G         | 27   | 5.391G         | 28   | 5.444G         |
| 29                                               | 5.564G         | 30   | 5.685G         | 31   | 5.361G         | 32   | 5.454G         |
| 33                                               | 5.404G         | 34   | 5.690G         | 35   | 5.439G         | 36   | 5.380G         |
| 37                                               | 5.614G         | 38   | 5.516G         | 39   | 5.535G         | 40   | 5.536G         |
| 41                                               | 5.302G         | 42   | 5.388G         | 43   | 5.658G         | 44   | 5.426G         |
| 45                                               | 5.561G         | 46   | 5.550G         | 47   | 5.513G         | 48   | 5.451G         |
| 49                                               | 5.393G         | 50   | 5.560G         | 51   | 5.365G         | 52   | 5.703G         |
| 53                                               | 5.671G         | 54   | 5.684G         | 55   | 5.337G         | 56   | 5.256G         |
| 57                                               | 5.332G         | 58   | 5.571G         | 59   | 5.372G         | 60   | 5.544G         |
| 61                                               | 5.274G         | 62   | 5.723G         | 63   | 5.456G         | 64   | 5.520G         |
| 65                                               | 5.472G         | 66   | 5.425G         | 67   | 5.634G         | 68   | 5.702G         |
| 69                                               | 5.309G         | 70   | 5.710G         | 71   | 5.670G         | 72   | 5.533G         |
| 73                                               | 5.366G         | 74   | 5.724G         | 75   | 5.680G         | 76   | 5.595G         |
| 77                                               | 5.517G         | 78   | 5.287G         | 79   | 5.375G         | 80   | 5.574G         |
| 81                                               | 5.495G         | 82   | 5.328G         | 83   | 5.548G         | 84   | 5.668G         |
| 85                                               | 5.407G         | 86   | 5.579G         | 87   | 5.682G         | 88   | 5.291G         |
| 89                                               | 5.315G         | 90   | 5.586G         | 91   | 5.529G         | 92   | 5.584G         |
| 93                                               | 5.263G         | 94   | 5.541G         | 95   | 5.359G         | 96   | 5.340G         |
| 97                                               | 5.523G         | 98   | 5.543G         | 99   | 5.480G         | 100  | 5.485G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.319G         | 2    | 5.719G         | 3    | 5.506G         | 4    | 5.714G         |
| 5                                                | 5.382G         | 6    | 5.638G         | 7    | 5.336G         | 8    | 5.350G         |
| 9                                                | 5.416G         | 10   | 5.352G         | 11   | 5.309G         | 12   | 5.381G         |
| 13                                               | 5.517G         | 14   | 5.669G         | 15   | 5.534G         | 16   | 5.540G         |
| 17                                               | 5.705G         | 18   | 5.637G         | 19   | 5.551G         | 20   | 5.471G         |
| 21                                               | 5.287G         | 22   | 5.608G         | 23   | 5.541G         | 24   | 5.606G         |
| 25                                               | 5.709G         | 26   | 5.500G         | 27   | 5.689G         | 28   | 5.527G         |
| 29                                               | 5.422G         | 30   | 5.710G         | 31   | 5.568G         | 32   | 5.346G         |
| 33                                               | 5.575G         | 34   | 5.514G         | 35   | 5.347G         | 36   | 5.391G         |
| 37                                               | 5.362G         | 38   | 5.625G         | 39   | 5.640G         | 40   | 5.258G         |
| 41                                               | 5.398G         | 42   | 5.270G         | 43   | 5.511G         | 44   | 5.499G         |
| 45                                               | 5.684G         | 46   | 5.314G         | 47   | 5.272G         | 48   | 5.303G         |
| 49                                               | 5.647G         | 50   | 5.379G         | 51   | 5.476G         | 52   | 5.392G         |
| 53                                               | 5.494G         | 54   | 5.501G         | 55   | 5.377G         | 56   | 5.467G         |
| 57                                               | 5.507G         | 58   | 5.295G         | 59   | 5.686G         | 60   | 5.254G         |
| 61                                               | 5.306G         | 62   | 5.572G         | 63   | 5.290G         | 64   | 5.373G         |
| 65                                               | 5.302G         | 66   | 5.632G         | 67   | 5.320G         | 68   | 5.578G         |
| 69                                               | 5.539G         | 70   | 5.327G         | 71   | 5.487G         | 72   | 5.515G         |
| 73                                               | 5.571G         | 74   | 5.370G         | 75   | 5.666G         | 76   | 5.604G         |
| 77                                               | 5.368G         | 78   | 5.528G         | 79   | 5.414G         | 80   | 5.695G         |
| 81                                               | 5.429G         | 82   | 5.641G         | 83   | 5.436G         | 84   | 5.417G         |
| 85                                               | 5.269G         | 86   | 5.649G         | 87   | 5.529G         | 88   | 5.457G         |
| 89                                               | 5.283G         | 90   | 5.444G         | 91   | 5.603G         | 92   | 5.372G         |
| 93                                               | 5.664G         | 94   | 5.503G         | 95   | 5.680G         | 96   | 5.563G         |
| 97                                               | 5.712G         | 98   | 5.673G         | 99   | 5.650G         | 100  | 5.296G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.464G         | 2    | 5.500G         | 3    | 5.454G         | 4    | 5.723G         |
| 5                                                | 5.711G         | 6    | 5.679G         | 7    | 5.623G         | 8    | 5.303G         |
| 9                                                | 5.639G         | 10   | 5.651G         | 11   | 5.289G         | 12   | 5.657G         |
| 13                                               | 5.435G         | 14   | 5.551G         | 15   | 5.608G         | 16   | 5.335G         |
| 17                                               | 5.321G         | 18   | 5.467G         | 19   | 5.503G         | 20   | 5.543G         |
| 21                                               | 5.584G         | 22   | 5.481G         | 23   | 5.618G         | 24   | 5.650G         |
| 25                                               | 5.306G         | 26   | 5.366G         | 27   | 5.695G         | 28   | 5.328G         |
| 29                                               | 5.533G         | 30   | 5.461G         | 31   | 5.452G         | 32   | 5.708G         |
| 33                                               | 5.477G         | 34   | 5.479G         | 35   | 5.412G         | 36   | 5.407G         |
| 37                                               | 5.548G         | 38   | 5.683G         | 39   | 5.620G         | 40   | 5.315G         |
| 41                                               | 5.495G         | 42   | 5.416G         | 43   | 5.317G         | 44   | 5.327G         |
| 45                                               | 5.457G         | 46   | 5.641G         | 47   | 5.526G         | 48   | 5.309G         |
| 49                                               | 5.665G         | 50   | 5.636G         | 51   | 5.266G         | 52   | 5.675G         |
| 53                                               | 5.422G         | 54   | 5.271G         | 55   | 5.569G         | 56   | 5.288G         |
| 57                                               | 5.434G         | 58   | 5.505G         | 59   | 5.272G         | 60   | 5.643G         |
| 61                                               | 5.534G         | 62   | 5.259G         | 63   | 5.252G         | 64   | 5.592G         |
| 65                                               | 5.662G         | 66   | 5.267G         | 67   | 5.382G         | 68   | 5.433G         |
| 69                                               | 5.485G         | 70   | 5.682G         | 71   | 5.688G         | 72   | 5.590G         |
| 73                                               | 5.332G         | 74   | 5.269G         | 75   | 5.716G         | 76   | 5.427G         |
| 77                                               | 5.549G         | 78   | 5.456G         | 79   | 5.348G         | 80   | 5.357G         |
| 81                                               | 5.458G         | 82   | 5.440G         | 83   | 5.692G         | 84   | 5.693G         |
| 85                                               | 5.638G         | 86   | 5.509G         | 87   | 5.567G         | 88   | 5.409G         |
| 89                                               | 5.307G         | 90   | 5.715G         | 91   | 5.552G         | 92   | 5.360G         |
| 93                                               | 5.292G         | 94   | 5.470G         | 95   | 5.441G         | 96   | 5.587G         |
| 97                                               | 5.444G         | 98   | 5.365G         | 99   | 5.310G         | 100  | 5.394G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.458G         | 2    | 5.662G         | 3    | 5.310G         | 4    | 5.348G         |
| 5                                                | 5.655G         | 6    | 5.508G         | 7    | 5.547G         | 8    | 5.650G         |
| 9                                                | 5.415G         | 10   | 5.350G         | 11   | 5.550G         | 12   | 5.474G         |
| 13                                               | 5.551G         | 14   | 5.450G         | 15   | 5.722G         | 16   | 5.417G         |
| 17                                               | 5.494G         | 18   | 5.409G         | 19   | 5.499G         | 20   | 5.327G         |
| 21                                               | 5.699G         | 22   | 5.403G         | 23   | 5.390G         | 24   | 5.448G         |
| 25                                               | 5.561G         | 26   | 5.632G         | 27   | 5.564G         | 28   | 5.618G         |
| 29                                               | 5.513G         | 30   | 5.260G         | 31   | 5.339G         | 32   | 5.437G         |
| 33                                               | 5.463G         | 34   | 5.406G         | 35   | 5.446G         | 36   | 5.690G         |
| 37                                               | 5.671G         | 38   | 5.723G         | 39   | 5.588G         | 40   | 5.712G         |
| 41                                               | 5.709G         | 42   | 5.328G         | 43   | 5.451G         | 44   | 5.438G         |
| 45                                               | 5.428G         | 46   | 5.479G         | 47   | 5.320G         | 48   | 5.413G         |
| 49                                               | 5.529G         | 50   | 5.554G         | 51   | 5.517G         | 52   | 5.663G         |
| 53                                               | 5.642G         | 54   | 5.331G         | 55   | 5.715G         | 56   | 5.677G         |
| 57                                               | 5.528G         | 58   | 5.330G         | 59   | 5.526G         | 60   | 5.570G         |
| 61                                               | 5.675G         | 62   | 5.600G         | 63   | 5.654G         | 64   | 5.595G         |
| 65                                               | 5.361G         | 66   | 5.633G         | 67   | 5.540G         | 68   | 5.357G         |
| 69                                               | 5.278G         | 70   | 5.300G         | 71   | 5.641G         | 72   | 5.258G         |
| 73                                               | 5.373G         | 74   | 5.273G         | 75   | 5.656G         | 76   | 5.408G         |
| 77                                               | 5.649G         | 78   | 5.500G         | 79   | 5.421G         | 80   | 5.630G         |
| 81                                               | 5.396G         | 82   | 5.251G         | 83   | 5.533G         | 84   | 5.433G         |
| 85                                               | 5.370G         | 86   | 5.524G         | 87   | 5.386G         | 88   | 5.605G         |
| 89                                               | 5.353G         | 90   | 5.256G         | 91   | 5.640G         | 92   | 5.591G         |
| 93                                               | 5.488G         | 94   | 5.312G         | 95   | 5.295G         | 96   | 5.364G         |
| 97                                               | 5.646G         | 98   | 5.599G         | 99   | 5.697G         | 100  | 5.696G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_08 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.495G         | 2    | 5.553G         | 3    | 5.386G         | 4    | 5.410G         |
| 5                                                | 5.686G         | 6    | 5.417G         | 7    | 5.287G         | 8    | 5.575G         |
| 9                                                | 5.292G         | 10   | 5.356G         | 11   | 5.537G         | 12   | 5.589G         |
| 13                                               | 5.291G         | 14   | 5.624G         | 15   | 5.453G         | 16   | 5.485G         |
| 17                                               | 5.607G         | 18   | 5.339G         | 19   | 5.650G         | 20   | 5.660G         |
| 21                                               | 5.601G         | 22   | 5.486G         | 23   | 5.431G         | 24   | 5.328G         |
| 25                                               | 5.515G         | 26   | 5.678G         | 27   | 5.448G         | 28   | 5.371G         |
| 29                                               | 5.556G         | 30   | 5.661G         | 31   | 5.659G         | 32   | 5.599G         |
| 33                                               | 5.536G         | 34   | 5.521G         | 35   | 5.261G         | 36   | 5.305G         |
| 37                                               | 5.337G         | 38   | 5.646G         | 39   | 5.588G         | 40   | 5.527G         |
| 41                                               | 5.574G         | 42   | 5.642G         | 43   | 5.695G         | 44   | 5.380G         |
| 45                                               | 5.358G         | 46   | 5.484G         | 47   | 5.713G         | 48   | 5.629G         |
| 49                                               | 5.676G         | 50   | 5.704G         | 51   | 5.267G         | 52   | 5.555G         |
| 53                                               | 5.293G         | 54   | 5.326G         | 55   | 5.461G         | 56   | 5.544G         |
| 57                                               | 5.499G         | 58   | 5.342G         | 59   | 5.420G         | 60   | 5.437G         |
| 61                                               | 5.290G         | 62   | 5.579G         | 63   | 5.597G         | 64   | 5.426G         |
| 65                                               | 5.277G         | 66   | 5.389G         | 67   | 5.257G         | 68   | 5.557G         |
| 69                                               | 5.593G         | 70   | 5.393G         | 71   | 5.341G         | 72   | 5.405G         |
| 73                                               | 5.644G         | 74   | 5.618G         | 75   | 5.594G         | 76   | 5.477G         |
| 77                                               | 5.696G         | 78   | 5.447G         | 79   | 5.577G         | 80   | 5.325G         |
| 81                                               | 5.474G         | 82   | 5.616G         | 83   | 5.647G         | 84   | 5.679G         |
| 85                                               | 5.309G         | 86   | 5.440G         | 87   | 5.652G         | 88   | 5.627G         |
| 89                                               | 5.428G         | 90   | 5.382G         | 91   | 5.419G         | 92   | 5.501G         |
| 93                                               | 5.637G         | 94   | 5.600G         | 95   | 5.306G         | 96   | 5.517G         |
| 97                                               | 5.387G         | 98   | 5.545G         | 99   | 5.497G         | 100  | 5.488G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_09 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.307G         | 2    | 5.564G         | 3    | 5.439G         | 4    | 5.660G         |
| 5                                                | 5.654G         | 6    | 5.676G         | 7    | 5.652G         | 8    | 5.527G         |
| 9                                                | 5.422G         | 10   | 5.452G         | 11   | 5.378G         | 12   | 5.550G         |
| 13                                               | 5.387G         | 14   | 5.542G         | 15   | 5.563G         | 16   | 5.290G         |
| 17                                               | 5.431G         | 18   | 5.516G         | 19   | 5.575G         | 20   | 5.671G         |
| 21                                               | 5.470G         | 22   | 5.696G         | 23   | 5.580G         | 24   | 5.591G         |
| 25                                               | 5.599G         | 26   | 5.703G         | 27   | 5.421G         | 28   | 5.679G         |
| 29                                               | 5.688G         | 30   | 5.395G         | 31   | 5.257G         | 32   | 5.388G         |
| 33                                               | 5.335G         | 34   | 5.390G         | 35   | 5.364G         | 36   | 5.666G         |
| 37                                               | 5.535G         | 38   | 5.450G         | 39   | 5.322G         | 40   | 5.686G         |
| 41                                               | 5.677G         | 42   | 5.325G         | 43   | 5.578G         | 44   | 5.344G         |
| 45                                               | 5.655G         | 46   | 5.295G         | 47   | 5.430G         | 48   | 5.522G         |
| 49                                               | 5.331G         | 50   | 5.424G         | 51   | 5.508G         | 52   | 5.368G         |
| 53                                               | 5.457G         | 54   | 5.285G         | 55   | 5.673G         | 56   | 5.689G         |
| 57                                               | 5.362G         | 58   | 5.698G         | 59   | 5.401G         | 60   | 5.691G         |
| 61                                               | 5.624G         | 62   | 5.482G         | 63   | 5.473G         | 64   | 5.310G         |
| 65                                               | 5.610G         | 66   | 5.558G         | 67   | 5.365G         | 68   | 5.273G         |
| 69                                               | 5.298G         | 70   | 5.380G         | 71   | 5.567G         | 72   | 5.708G         |
| 73                                               | 5.600G         | 74   | 5.269G         | 75   | 5.303G         | 76   | 5.398G         |
| 77                                               | 5.308G         | 78   | 5.404G         | 79   | 5.718G         | 80   | 5.499G         |
| 81                                               | 5.373G         | 82   | 5.593G         | 83   | 5.358G         | 84   | 5.468G         |
| 85                                               | 5.311G         | 86   | 5.488G         | 87   | 5.606G         | 88   | 5.363G         |
| 89                                               | 5.533G         | 90   | 5.700G         | 91   | 5.485G         | 92   | 5.346G         |
| 93                                               | 5.642G         | 94   | 5.256G         | 95   | 5.415G         | 96   | 5.721G         |
| 97                                               | 5.500G         | 98   | 5.381G         | 99   | 5.576G         | 100  | 5.585G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.512G         | 2    | 5.624G         | 3    | 5.511G         | 4    | 5.656G         |
| 5                                                | 5.314G         | 6    | 5.708G         | 7    | 5.617G         | 8    | 5.352G         |
| 9                                                | 5.544G         | 10   | 5.669G         | 11   | 5.391G         | 12   | 5.671G         |
| 13                                               | 5.416G         | 14   | 5.501G         | 15   | 5.568G         | 16   | 5.318G         |
| 17                                               | 5.643G         | 18   | 5.275G         | 19   | 5.661G         | 20   | 5.567G         |
| 21                                               | 5.424G         | 22   | 5.274G         | 23   | 5.650G         | 24   | 5.276G         |
| 25                                               | 5.581G         | 26   | 5.418G         | 27   | 5.290G         | 28   | 5.395G         |
| 29                                               | 5.550G         | 30   | 5.601G         | 31   | 5.413G         | 32   | 5.468G         |
| 33                                               | 5.358G         | 34   | 5.534G         | 35   | 5.285G         | 36   | 5.600G         |
| 37                                               | 5.553G         | 38   | 5.638G         | 39   | 5.625G         | 40   | 5.506G         |
| 41                                               | 5.559G         | 42   | 5.305G         | 43   | 5.526G         | 44   | 5.717G         |
| 45                                               | 5.539G         | 46   | 5.542G         | 47   | 5.427G         | 48   | 5.484G         |
| 49                                               | 5.251G         | 50   | 5.269G         | 51   | 5.715G         | 52   | 5.478G         |
| 53                                               | 5.454G         | 54   | 5.359G         | 55   | 5.252G         | 56   | 5.353G         |
| 57                                               | 5.514G         | 58   | 5.436G         | 59   | 5.316G         | 60   | 5.343G         |
| 61                                               | 5.255G         | 62   | 5.604G         | 63   | 5.626G         | 64   | 5.340G         |
| 65                                               | 5.310G         | 66   | 5.482G         | 67   | 5.450G         | 68   | 5.431G         |
| 69                                               | 5.546G         | 70   | 5.645G         | 71   | 5.447G         | 72   | 5.623G         |
| 73                                               | 5.572G         | 74   | 5.723G         | 75   | 5.566G         | 76   | 5.449G         |
| 77                                               | 5.477G         | 78   | 5.356G         | 79   | 5.459G         | 80   | 5.465G         |
| 81                                               | 5.547G         | 82   | 5.532G         | 83   | 5.517G         | 84   | 5.380G         |
| 85                                               | 5.437G         | 86   | 5.594G         | 87   | 5.648G         | 88   | 5.637G         |
| 89                                               | 5.503G         | 90   | 5.474G         | 91   | 5.422G         | 92   | 5.589G         |
| 93                                               | 5.655G         | 94   | 5.333G         | 95   | 5.344G         | 96   | 5.635G         |
| 97                                               | 5.412G         | 98   | 5.504G         | 99   | 5.652G         | 100  | 5.607G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.652G         | 2    | 5.570G         | 3    | 5.614G         | 4    | 5.430G         |
| 5                                                | 5.628G         | 6    | 5.368G         | 7    | 5.343G         | 8    | 5.681G         |
| 9                                                | 5.266G         | 10   | 5.707G         | 11   | 5.389G         | 12   | 5.409G         |
| 13                                               | 5.426G         | 14   | 5.458G         | 15   | 5.309G         | 16   | 5.330G         |
| 17                                               | 5.428G         | 18   | 5.598G         | 19   | 5.300G         | 20   | 5.621G         |
| 21                                               | 5.694G         | 22   | 5.566G         | 23   | 5.600G         | 24   | 5.423G         |
| 25                                               | 5.543G         | 26   | 5.644G         | 27   | 5.673G         | 28   | 5.528G         |
| 29                                               | 5.351G         | 30   | 5.503G         | 31   | 5.577G         | 32   | 5.595G         |
| 33                                               | 5.303G         | 34   | 5.572G         | 35   | 5.499G         | 36   | 5.632G         |
| 37                                               | 5.688G         | 38   | 5.525G         | 39   | 5.396G         | 40   | 5.315G         |
| 41                                               | 5.615G         | 42   | 5.436G         | 43   | 5.620G         | 44   | 5.386G         |
| 45                                               | 5.468G         | 46   | 5.712G         | 47   | 5.537G         | 48   | 5.534G         |
| 49                                               | 5.394G         | 50   | 5.697G         | 51   | 5.280G         | 52   | 5.488G         |
| 53                                               | 5.668G         | 54   | 5.716G         | 55   | 5.316G         | 56   | 5.591G         |
| 57                                               | 5.502G         | 58   | 5.392G         | 59   | 5.366G         | 60   | 5.255G         |
| 61                                               | 5.308G         | 62   | 5.292G         | 63   | 5.427G         | 64   | 5.327G         |
| 65                                               | 5.671G         | 66   | 5.610G         | 67   | 5.254G         | 68   | 5.660G         |
| 69                                               | 5.556G         | 70   | 5.553G         | 71   | 5.533G         | 72   | 5.522G         |
| 73                                               | 5.719G         | 74   | 5.446G         | 75   | 5.364G         | 76   | 5.439G         |
| 77                                               | 5.407G         | 78   | 5.440G         | 79   | 5.624G         | 80   | 5.265G         |
| 81                                               | 5.538G         | 82   | 5.710G         | 83   | 5.563G         | 84   | 5.500G         |
| 85                                               | 5.259G         | 86   | 5.271G         | 87   | 5.613G         | 88   | 5.698G         |
| 89                                               | 5.262G         | 90   | 5.622G         | 91   | 5.561G         | 92   | 5.687G         |
| 93                                               | 5.506G         | 94   | 5.648G         | 95   | 5.419G         | 96   | 5.541G         |
| 97                                               | 5.575G         | 98   | 5.701G         | 99   | 5.649G         | 100  | 5.551G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.711G         | 2    | 5.453G         | 3    | 5.383G         | 4    | 5.419G         |
| 5                                                | 5.398G         | 6    | 5.591G         | 7    | 5.470G         | 8    | 5.534G         |
| 9                                                | 5.411G         | 10   | 5.405G         | 11   | 5.306G         | 12   | 5.264G         |
| 13                                               | 5.354G         | 14   | 5.581G         | 15   | 5.406G         | 16   | 5.439G         |
| 17                                               | 5.340G         | 18   | 5.585G         | 19   | 5.697G         | 20   | 5.723G         |
| 21                                               | 5.274G         | 22   | 5.500G         | 23   | 5.368G         | 24   | 5.358G         |
| 25                                               | 5.446G         | 26   | 5.393G         | 27   | 5.332G         | 28   | 5.580G         |
| 29                                               | 5.283G         | 30   | 5.372G         | 31   | 5.300G         | 32   | 5.296G         |
| 33                                               | 5.321G         | 34   | 5.420G         | 35   | 5.499G         | 36   | 5.484G         |
| 37                                               | 5.661G         | 38   | 5.409G         | 39   | 5.478G         | 40   | 5.565G         |
| 41                                               | 5.437G         | 42   | 5.506G         | 43   | 5.634G         | 44   | 5.612G         |
| 45                                               | 5.289G         | 46   | 5.626G         | 47   | 5.445G         | 48   | 5.620G         |
| 49                                               | 5.495G         | 50   | 5.712G         | 51   | 5.665G         | 52   | 5.644G         |
| 53                                               | 5.386G         | 54   | 5.452G         | 55   | 5.527G         | 56   | 5.691G         |
| 57                                               | 5.288G         | 58   | 5.519G         | 59   | 5.337G         | 60   | 5.258G         |
| 61                                               | 5.388G         | 62   | 5.532G         | 63   | 5.394G         | 64   | 5.299G         |
| 65                                               | 5.702G         | 66   | 5.682G         | 67   | 5.327G         | 68   | 5.608G         |
| 69                                               | 5.267G         | 70   | 5.385G         | 71   | 5.466G         | 72   | 5.415G         |
| 73                                               | 5.362G         | 74   | 5.716G         | 75   | 5.647G         | 76   | 5.587G         |
| 77                                               | 5.455G         | 78   | 5.520G         | 79   | 5.704G         | 80   | 5.414G         |
| 81                                               | 5.444G         | 82   | 5.720G         | 83   | 5.713G         | 84   | 5.373G         |
| 85                                               | 5.604G         | 86   | 5.292G         | 87   | 5.593G         | 88   | 5.542G         |
| 89                                               | 5.689G         | 90   | 5.325G         | 91   | 5.632G         | 92   | 5.539G         |
| 93                                               | 5.594G         | 94   | 5.524G         | 95   | 5.347G         | 96   | 5.724G         |
| 97                                               | 5.281G         | 98   | 5.521G         | 99   | 5.605G         | 100  | 5.262G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.329G         | 2    | 5.719G         | 3    | 5.325G         | 4    | 5.419G         |
| 5                                                | 5.606G         | 6    | 5.510G         | 7    | 5.281G         | 8    | 5.571G         |
| 9                                                | 5.690G         | 10   | 5.423G         | 11   | 5.716G         | 12   | 5.266G         |
| 13                                               | 5.696G         | 14   | 5.607G         | 15   | 5.435G         | 16   | 5.394G         |
| 17                                               | 5.308G         | 18   | 5.665G         | 19   | 5.322G         | 20   | 5.600G         |
| 21                                               | 5.508G         | 22   | 5.518G         | 23   | 5.348G         | 24   | 5.471G         |
| 25                                               | 5.603G         | 26   | 5.724G         | 27   | 5.630G         | 28   | 5.330G         |
| 29                                               | 5.318G         | 30   | 5.278G         | 31   | 5.598G         | 32   | 5.405G         |
| 33                                               | 5.294G         | 34   | 5.464G         | 35   | 5.649G         | 36   | 5.583G         |
| 37                                               | 5.523G         | 38   | 5.663G         | 39   | 5.364G         | 40   | 5.382G         |
| 41                                               | 5.358G         | 42   | 5.353G         | 43   | 5.384G         | 44   | 5.277G         |
| 45                                               | 5.699G         | 46   | 5.406G         | 47   | 5.527G         | 48   | 5.470G         |
| 49                                               | 5.451G         | 50   | 5.568G         | 51   | 5.416G         | 52   | 5.386G         |
| 53                                               | 5.656G         | 54   | 5.389G         | 55   | 5.356G         | 56   | 5.501G         |
| 57                                               | 5.301G         | 58   | 5.346G         | 59   | 5.480G         | 60   | 5.367G         |
| 61                                               | 5.711G         | 62   | 5.529G         | 63   | 5.434G         | 64   | 5.581G         |
| 65                                               | 5.547G         | 66   | 5.307G         | 67   | 5.655G         | 68   | 5.582G         |
| 69                                               | 5.272G         | 70   | 5.631G         | 71   | 5.713G         | 72   | 5.556G         |
| 73                                               | 5.251G         | 74   | 5.397G         | 75   | 5.540G         | 76   | 5.537G         |
| 77                                               | 5.392G         | 78   | 5.381G         | 79   | 5.585G         | 80   | 5.575G         |
| 81                                               | 5.365G         | 82   | 5.579G         | 83   | 5.459G         | 84   | 5.404G         |
| 85                                               | 5.520G         | 86   | 5.639G         | 87   | 5.496G         | 88   | 5.331G         |
| 89                                               | 5.366G         | 90   | 5.624G         | 91   | 5.360G         | 92   | 5.698G         |
| 93                                               | 5.625G         | 94   | 5.553G         | 95   | 5.669G         | 96   | 5.532G         |
| 97                                               | 5.641G         | 98   | 5.629G         | 99   | 5.491G         | 100  | 5.474G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.564G         | 2    | 5.296G         | 3    | 5.603G         | 4    | 5.441G         |
| 5                                                | 5.598G         | 6    | 5.358G         | 7    | 5.287G         | 8    | 5.590G         |
| 9                                                | 5.672G         | 10   | 5.569G         | 11   | 5.412G         | 12   | 5.445G         |
| 13                                               | 5.377G         | 14   | 5.428G         | 15   | 5.385G         | 16   | 5.500G         |
| 17                                               | 5.512G         | 18   | 5.701G         | 19   | 5.258G         | 20   | 5.354G         |
| 21                                               | 5.432G         | 22   | 5.717G         | 23   | 5.436G         | 24   | 5.324G         |
| 25                                               | 5.298G         | 26   | 5.722G         | 27   | 5.525G         | 28   | 5.661G         |
| 29                                               | 5.602G         | 30   | 5.687G         | 31   | 5.562G         | 32   | 5.494G         |
| 33                                               | 5.716G         | 34   | 5.269G         | 35   | 5.348G         | 36   | 5.647G         |
| 37                                               | 5.585G         | 38   | 5.297G         | 39   | 5.684G         | 40   | 5.643G         |
| 41                                               | 5.253G         | 42   | 5.612G         | 43   | 5.375G         | 44   | 5.401G         |
| 45                                               | 5.664G         | 46   | 5.678G         | 47   | 5.433G         | 48   | 5.523G         |
| 49                                               | 5.652G         | 50   | 5.680G         | 51   | 5.314G         | 52   | 5.552G         |
| 53                                               | 5.670G         | 54   | 5.695G         | 55   | 5.316G         | 56   | 5.460G         |
| 57                                               | 5.535G         | 58   | 5.620G         | 59   | 5.450G         | 60   | 5.439G         |
| 61                                               | 5.359G         | 62   | 5.502G         | 63   | 5.313G         | 64   | 5.328G         |
| 65                                               | 5.368G         | 66   | 5.681G         | 67   | 5.263G         | 68   | 5.578G         |
| 69                                               | 5.294G         | 70   | 5.629G         | 71   | 5.310G         | 72   | 5.607G         |
| 73                                               | 5.322G         | 74   | 5.616G         | 75   | 5.534G         | 76   | 5.673G         |
| 77                                               | 5.411G         | 78   | 5.615G         | 79   | 5.536G         | 80   | 5.285G         |
| 81                                               | 5.648G         | 82   | 5.330G         | 83   | 5.498G         | 84   | 5.458G         |
| 85                                               | 5.374G         | 86   | 5.389G         | 87   | 5.610G         | 88   | 5.274G         |
| 89                                               | 5.676G         | 90   | 5.601G         | 91   | 5.495G         | 92   | 5.520G         |
| 93                                               | 5.644G         | 94   | 5.521G         | 95   | 5.407G         | 96   | 5.404G         |
| 97                                               | 5.437G         | 98   | 5.633G         | 99   | 5.654G         | 100  | 5.267G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.371G         | 2    | 5.447G         | 3    | 5.295G         | 4    | 5.475G         |
| 5                                                | 5.315G         | 6    | 5.417G         | 7    | 5.576G         | 8    | 5.543G         |
| 9                                                | 5.274G         | 10   | 5.354G         | 11   | 5.487G         | 12   | 5.286G         |
| 13                                               | 5.495G         | 14   | 5.521G         | 15   | 5.527G         | 16   | 5.296G         |
| 17                                               | 5.458G         | 18   | 5.549G         | 19   | 5.476G         | 20   | 5.445G         |
| 21                                               | 5.613G         | 22   | 5.653G         | 23   | 5.510G         | 24   | 5.656G         |
| 25                                               | 5.383G         | 26   | 5.506G         | 27   | 5.273G         | 28   | 5.702G         |
| 29                                               | 5.312G         | 30   | 5.331G         | 31   | 5.492G         | 32   | 5.443G         |
| 33                                               | 5.522G         | 34   | 5.427G         | 35   | 5.338G         | 36   | 5.674G         |
| 37                                               | 5.638G         | 38   | 5.694G         | 39   | 5.636G         | 40   | 5.572G         |
| 41                                               | 5.570G         | 42   | 5.419G         | 43   | 5.715G         | 44   | 5.384G         |
| 45                                               | 5.645G         | 46   | 5.307G         | 47   | 5.300G         | 48   | 5.633G         |
| 49                                               | 5.707G         | 50   | 5.260G         | 51   | 5.683G         | 52   | 5.374G         |
| 53                                               | 5.632G         | 54   | 5.666G         | 55   | 5.689G         | 56   | 5.609G         |
| 57                                               | 5.563G         | 58   | 5.682G         | 59   | 5.435G         | 60   | 5.252G         |
| 61                                               | 5.272G         | 62   | 5.469G         | 63   | 5.375G         | 64   | 5.423G         |
| 65                                               | 5.639G         | 66   | 5.403G         | 67   | 5.542G         | 68   | 5.471G         |
| 69                                               | 5.512G         | 70   | 5.455G         | 71   | 5.278G         | 72   | 5.405G         |
| 73                                               | 5.253G         | 74   | 5.438G         | 75   | 5.473G         | 76   | 5.292G         |
| 77                                               | 5.626G         | 78   | 5.343G         | 79   | 5.667G         | 80   | 5.267G         |
| 81                                               | 5.498G         | 82   | 5.545G         | 83   | 5.400G         | 84   | 5.655G         |
| 85                                               | 5.451G         | 86   | 5.529G         | 87   | 5.285G         | 88   | 5.416G         |
| 89                                               | 5.577G         | 90   | 5.325G         | 91   | 5.554G         | 92   | 5.568G         |
| 93                                               | 5.519G         | 94   | 5.566G         | 95   | 5.380G         | 96   | 5.693G         |
| 97                                               | 5.479G         | 98   | 5.298G         | 99   | 5.481G         | 100  | 5.442G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.517G         | 2    | 5.386G         | 3    | 5.347G         | 4    | 5.448G         |
| 5                                                | 5.356G         | 6    | 5.667G         | 7    | 5.291G         | 8    | 5.538G         |
| 9                                                | 5.714G         | 10   | 5.257G         | 11   | 5.387G         | 12   | 5.644G         |
| 13                                               | 5.293G         | 14   | 5.504G         | 15   | 5.657G         | 16   | 5.596G         |
| 17                                               | 5.480G         | 18   | 5.638G         | 19   | 5.631G         | 20   | 5.682G         |
| 21                                               | 5.699G         | 22   | 5.519G         | 23   | 5.696G         | 24   | 5.558G         |
| 25                                               | 5.721G         | 26   | 5.705G         | 27   | 5.358G         | 28   | 5.365G         |
| 29                                               | 5.641G         | 30   | 5.399G         | 31   | 5.462G         | 32   | 5.340G         |
| 33                                               | 5.625G         | 34   | 5.254G         | 35   | 5.713G         | 36   | 5.272G         |
| 37                                               | 5.343G         | 38   | 5.712G         | 39   | 5.686G         | 40   | 5.666G         |
| 41                                               | 5.264G         | 42   | 5.718G         | 43   | 5.273G         | 44   | 5.430G         |
| 45                                               | 5.453G         | 46   | 5.537G         | 47   | 5.630G         | 48   | 5.674G         |
| 49                                               | 5.385G         | 50   | 5.455G         | 51   | 5.433G         | 52   | 5.389G         |
| 53                                               | 5.550G         | 54   | 5.336G         | 55   | 5.577G         | 56   | 5.582G         |
| 57                                               | 5.529G         | 58   | 5.578G         | 59   | 5.408G         | 60   | 5.594G         |
| 61                                               | 5.524G         | 62   | 5.518G         | 63   | 5.307G         | 64   | 5.417G         |
| 65                                               | 5.299G         | 66   | 5.338G         | 67   | 5.393G         | 68   | 5.319G         |
| 69                                               | 5.405G         | 70   | 5.516G         | 71   | 5.391G         | 72   | 5.560G         |
| 73                                               | 5.411G         | 74   | 5.655G         | 75   | 5.653G         | 76   | 5.328G         |
| 77                                               | 5.499G         | 78   | 5.348G         | 79   | 5.722G         | 80   | 5.521G         |
| 81                                               | 5.341G         | 82   | 5.506G         | 83   | 5.422G         | 84   | 5.324G         |
| 85                                               | 5.645G         | 86   | 5.583G         | 87   | 5.597G         | 88   | 5.684G         |
| 89                                               | 5.271G         | 90   | 5.419G         | 91   | 5.672G         | 92   | 5.364G         |
| 93                                               | 5.279G         | 94   | 5.315G         | 95   | 5.366G         | 96   | 5.624G         |
| 97                                               | 5.494G         | 98   | 5.255G         | 99   | 5.382G         | 100  | 5.440G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.506G         | 2    | 5.256G         | 3    | 5.686G         | 4    | 5.406G         |
| 5                                                | 5.443G         | 6    | 5.716G         | 7    | 5.719G         | 8    | 5.660G         |
| 9                                                | 5.519G         | 10   | 5.690G         | 11   | 5.569G         | 12   | 5.365G         |
| 13                                               | 5.645G         | 14   | 5.654G         | 15   | 5.417G         | 16   | 5.402G         |
| 17                                               | 5.625G         | 18   | 5.477G         | 19   | 5.277G         | 20   | 5.388G         |
| 21                                               | 5.580G         | 22   | 5.581G         | 23   | 5.682G         | 24   | 5.289G         |
| 25                                               | 5.607G         | 26   | 5.720G         | 27   | 5.634G         | 28   | 5.263G         |
| 29                                               | 5.395G         | 30   | 5.513G         | 31   | 5.511G         | 32   | 5.677G         |
| 33                                               | 5.692G         | 34   | 5.463G         | 35   | 5.383G         | 36   | 5.604G         |
| 37                                               | 5.687G         | 38   | 5.614G         | 39   | 5.315G         | 40   | 5.502G         |
| 41                                               | 5.309G         | 42   | 5.526G         | 43   | 5.662G         | 44   | 5.352G         |
| 45                                               | 5.495G         | 46   | 5.508G         | 47   | 5.487G         | 48   | 5.366G         |
| 49                                               | 5.313G         | 50   | 5.343G         | 51   | 5.599G         | 52   | 5.320G         |
| 53                                               | 5.430G         | 54   | 5.408G         | 55   | 5.629G         | 56   | 5.722G         |
| 57                                               | 5.585G         | 58   | 5.706G         | 59   | 5.280G         | 60   | 5.387G         |
| 61                                               | 5.415G         | 62   | 5.381G         | 63   | 5.510G         | 64   | 5.471G         |
| 65                                               | 5.299G         | 66   | 5.566G         | 67   | 5.550G         | 68   | 5.468G         |
| 69                                               | 5.563G         | 70   | 5.393G         | 71   | 5.691G         | 72   | 5.539G         |
| 73                                               | 5.721G         | 74   | 5.707G         | 75   | 5.681G         | 76   | 5.591G         |
| 77                                               | 5.536G         | 78   | 5.701G         | 79   | 5.708G         | 80   | 5.621G         |
| 81                                               | 5.453G         | 82   | 5.715G         | 83   | 5.446G         | 84   | 5.254G         |
| 85                                               | 5.649G         | 86   | 5.276G         | 87   | 5.449G         | 88   | 5.357G         |
| 89                                               | 5.396G         | 90   | 5.622G         | 91   | 5.638G         | 92   | 5.287G         |
| 93                                               | 5.616G         | 94   | 5.680G         | 95   | 5.610G         | 96   | 5.601G         |
| 97                                               | 5.259G         | 98   | 5.483G         | 99   | 5.596G         | 100  | 5.640G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.710G         | 2    | 5.546G         | 3    | 5.289G         | 4    | 5.331G         |
| 5                                                | 5.419G         | 6    | 5.552G         | 7    | 5.663G         | 8    | 5.543G         |
| 9                                                | 5.467G         | 10   | 5.330G         | 11   | 5.435G         | 12   | 5.603G         |
| 13                                               | 5.724G         | 14   | 5.634G         | 15   | 5.469G         | 16   | 5.495G         |
| 17                                               | 5.259G         | 18   | 5.581G         | 19   | 5.487G         | 20   | 5.563G         |
| 21                                               | 5.610G         | 22   | 5.651G         | 23   | 5.407G         | 24   | 5.699G         |
| 25                                               | 5.398G         | 26   | 5.612G         | 27   | 5.387G         | 28   | 5.277G         |
| 29                                               | 5.712G         | 30   | 5.571G         | 31   | 5.444G         | 32   | 5.607G         |
| 33                                               | 5.290G         | 34   | 5.388G         | 35   | 5.601G         | 36   | 5.297G         |
| 37                                               | 5.293G         | 38   | 5.465G         | 39   | 5.349G         | 40   | 5.381G         |
| 41                                               | 5.723G         | 42   | 5.428G         | 43   | 5.448G         | 44   | 5.284G         |
| 45                                               | 5.510G         | 46   | 5.527G         | 47   | 5.504G         | 48   | 5.598G         |
| 49                                               | 5.609G         | 50   | 5.362G         | 51   | 5.640G         | 52   | 5.458G         |
| 53                                               | 5.393G         | 54   | 5.347G         | 55   | 5.478G         | 56   | 5.568G         |
| 57                                               | 5.451G         | 58   | 5.320G         | 59   | 5.459G         | 60   | 5.368G         |
| 61                                               | 5.644G         | 62   | 5.673G         | 63   | 5.449G         | 64   | 5.391G         |
| 65                                               | 5.375G         | 66   | 5.570G         | 67   | 5.309G         | 68   | 5.540G         |
| 69                                               | 5.692G         | 70   | 5.539G         | 71   | 5.698G         | 72   | 5.691G         |
| 73                                               | 5.285G         | 74   | 5.361G         | 75   | 5.281G         | 76   | 5.486G         |
| 77                                               | 5.628G         | 78   | 5.721G         | 79   | 5.573G         | 80   | 5.605G         |
| 81                                               | 5.295G         | 82   | 5.376G         | 83   | 5.298G         | 84   | 5.355G         |
| 85                                               | 5.536G         | 86   | 5.338G         | 87   | 5.709G         | 88   | 5.390G         |
| 89                                               | 5.575G         | 90   | 5.475G         | 91   | 5.429G         | 92   | 5.503G         |
| 93                                               | 5.505G         | 94   | 5.516G         | 95   | 5.464G         | 96   | 5.493G         |
| 97                                               | 5.574G         | 98   | 5.311G         | 99   | 5.319G         | 100  | 5.565G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.538G         | 2    | 5.393G         | 3    | 5.323G         | 4    | 5.571G         |
| 5                                                | 5.643G         | 6    | 5.353G         | 7    | 5.660G         | 8    | 5.668G         |
| 9                                                | 5.459G         | 10   | 5.454G         | 11   | 5.665G         | 12   | 5.573G         |
| 13                                               | 5.400G         | 14   | 5.277G         | 15   | 5.498G         | 16   | 5.406G         |
| 17                                               | 5.424G         | 18   | 5.595G         | 19   | 5.696G         | 20   | 5.597G         |
| 21                                               | 5.664G         | 22   | 5.255G         | 23   | 5.639G         | 24   | 5.389G         |
| 25                                               | 5.514G         | 26   | 5.576G         | 27   | 5.536G         | 28   | 5.642G         |
| 29                                               | 5.366G         | 30   | 5.336G         | 31   | 5.431G         | 32   | 5.518G         |
| 33                                               | 5.482G         | 34   | 5.345G         | 35   | 5.532G         | 36   | 5.297G         |
| 37                                               | 5.321G         | 38   | 5.589G         | 39   | 5.474G         | 40   | 5.686G         |
| 41                                               | 5.445G         | 42   | 5.362G         | 43   | 5.702G         | 44   | 5.288G         |
| 45                                               | 5.456G         | 46   | 5.631G         | 47   | 5.259G         | 48   | 5.577G         |
| 49                                               | 5.282G         | 50   | 5.387G         | 51   | 5.372G         | 52   | 5.303G         |
| 53                                               | 5.593G         | 54   | 5.635G         | 55   | 5.477G         | 56   | 5.691G         |
| 57                                               | 5.339G         | 58   | 5.446G         | 59   | 5.275G         | 60   | 5.533G         |
| 61                                               | 5.697G         | 62   | 5.606G         | 63   | 5.414G         | 64   | 5.268G         |
| 65                                               | 5.652G         | 66   | 5.442G         | 67   | 5.687G         | 68   | 5.348G         |
| 69                                               | 5.318G         | 70   | 5.542G         | 71   | 5.319G         | 72   | 5.616G         |
| 73                                               | 5.250G         | 74   | 5.556G         | 75   | 5.486G         | 76   | 5.419G         |
| 77                                               | 5.695G         | 78   | 5.379G         | 79   | 5.545G         | 80   | 5.401G         |
| 81                                               | 5.485G         | 82   | 5.280G         | 83   | 5.548G         | 84   | 5.262G         |
| 85                                               | 5.363G         | 86   | 5.581G         | 87   | 5.516G         | 88   | 5.554G         |
| 89                                               | 5.579G         | 90   | 5.596G         | 91   | 5.376G         | 92   | 5.479G         |
| 93                                               | 5.563G         | 94   | 5.505G         | 95   | 5.298G         | 96   | 5.347G         |
| 97                                               | 5.549G         | 98   | 5.524G         | 99   | 5.410G         | 100  | 5.291G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.674G         | 2    | 5.475G         | 3    | 5.290G         | 4    | 5.341G         |
| 5                                                | 5.404G         | 6    | 5.336G         | 7    | 5.428G         | 8    | 5.429G         |
| 9                                                | 5.583G         | 10   | 5.611G         | 11   | 5.608G         | 12   | 5.511G         |
| 13                                               | 5.427G         | 14   | 5.305G         | 15   | 5.701G         | 16   | 5.619G         |
| 17                                               | 5.303G         | 18   | 5.626G         | 19   | 5.684G         | 20   | 5.719G         |
| 21                                               | 5.614G         | 22   | 5.301G         | 23   | 5.355G         | 24   | 5.252G         |
| 25                                               | 5.327G         | 26   | 5.379G         | 27   | 5.682G         | 28   | 5.395G         |
| 29                                               | 5.576G         | 30   | 5.575G         | 31   | 5.293G         | 32   | 5.461G         |
| 33                                               | 5.538G         | 34   | 5.493G         | 35   | 5.348G         | 36   | 5.268G         |
| 37                                               | 5.665G         | 38   | 5.332G         | 39   | 5.699G         | 40   | 5.679G         |
| 41                                               | 5.598G         | 42   | 5.484G         | 43   | 5.307G         | 44   | 5.559G         |
| 45                                               | 5.331G         | 46   | 5.383G         | 47   | 5.660G         | 48   | 5.451G         |
| 49                                               | 5.328G         | 50   | 5.573G         | 51   | 5.693G         | 52   | 5.387G         |
| 53                                               | 5.636G         | 54   | 5.605G         | 55   | 5.285G         | 56   | 5.691G         |
| 57                                               | 5.506G         | 58   | 5.510G         | 59   | 5.597G         | 60   | 5.476G         |
| 61                                               | 5.666G         | 62   | 5.517G         | 63   | 5.600G         | 64   | 5.337G         |
| 65                                               | 5.500G         | 66   | 5.460G         | 67   | 5.703G         | 68   | 5.425G         |
| 69                                               | 5.670G         | 70   | 5.555G         | 71   | 5.564G         | 72   | 5.250G         |
| 73                                               | 5.570G         | 74   | 5.507G         | 75   | 5.596G         | 76   | 5.482G         |
| 77                                               | 5.519G         | 78   | 5.662G         | 79   | 5.257G         | 80   | 5.491G         |
| 81                                               | 5.412G         | 82   | 5.292G         | 83   | 5.400G         | 84   | 5.295G         |
| 85                                               | 5.525G         | 86   | 5.453G         | 87   | 5.560G         | 88   | 5.592G         |
| 89                                               | 5.364G         | 90   | 5.494G         | 91   | 5.687G         | 92   | 5.351G         |
| 93                                               | 5.297G         | 94   | 5.577G         | 95   | 5.612G         | 96   | 5.463G         |
| 97                                               | 5.349G         | 98   | 5.552G         | 99   | 5.492G         | 100  | 5.546G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.270G         | 2    | 5.525G         | 3    | 5.527G         | 4    | 5.628G         |
| 5                                                | 5.402G         | 6    | 5.639G         | 7    | 5.615G         | 8    | 5.369G         |
| 9                                                | 5.302G         | 10   | 5.456G         | 11   | 5.250G         | 12   | 5.407G         |
| 13                                               | 5.362G         | 14   | 5.435G         | 15   | 5.252G         | 16   | 5.698G         |
| 17                                               | 5.660G         | 18   | 5.442G         | 19   | 5.385G         | 20   | 5.359G         |
| 21                                               | 5.685G         | 22   | 5.263G         | 23   | 5.404G         | 24   | 5.387G         |
| 25                                               | 5.661G         | 26   | 5.510G         | 27   | 5.449G         | 28   | 5.395G         |
| 29                                               | 5.704G         | 30   | 5.496G         | 31   | 5.467G         | 32   | 5.554G         |
| 33                                               | 5.257G         | 34   | 5.393G         | 35   | 5.305G         | 36   | 5.572G         |
| 37                                               | 5.700G         | 38   | 5.373G         | 39   | 5.548G         | 40   | 5.320G         |
| 41                                               | 5.392G         | 42   | 5.296G         | 43   | 5.274G         | 44   | 5.610G         |
| 45                                               | 5.611G         | 46   | 5.581G         | 47   | 5.409G         | 48   | 5.390G         |
| 49                                               | 5.451G         | 50   | 5.376G         | 51   | 5.417G         | 52   | 5.523G         |
| 53                                               | 5.282G         | 54   | 5.432G         | 55   | 5.546G         | 56   | 5.497G         |
| 57                                               | 5.355G         | 58   | 5.276G         | 59   | 5.342G         | 60   | 5.327G         |
| 61                                               | 5.637G         | 62   | 5.289G         | 63   | 5.293G         | 64   | 5.539G         |
| 65                                               | 5.627G         | 66   | 5.379G         | 67   | 5.299G         | 68   | 5.427G         |
| 69                                               | 5.595G         | 70   | 5.553G         | 71   | 5.315G         | 72   | 5.669G         |
| 73                                               | 5.709G         | 74   | 5.405G         | 75   | 5.587G         | 76   | 5.360G         |
| 77                                               | 5.663G         | 78   | 5.461G         | 79   | 5.565G         | 80   | 5.275G         |
| 81                                               | 5.308G         | 82   | 5.487G         | 83   | 5.620G         | 84   | 5.540G         |
| 85                                               | 5.469G         | 86   | 5.561G         | 87   | 5.545G         | 88   | 5.597G         |
| 89                                               | 5.536G         | 90   | 5.506G         | 91   | 5.318G         | 92   | 5.697G         |
| 93                                               | 5.295G         | 94   | 5.519G         | 95   | 5.560G         | 96   | 5.389G         |
| 97                                               | 5.719G         | 98   | 5.654G         | 99   | 5.336G         | 100  | 5.608G         |



## Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_22

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.288G         | 2    | 5.441G         | 3    | 5.682G         | 4    | 5.304G         |
| 5    | 5.313G         | 6    | 5.446G         | 7    | 5.442G         | 8    | 5.612G         |
| 9    | 5.345G         | 10   | 5.337G         | 11   | 5.557G         | 12   | 5.638G         |
| 13   | 5.427G         | 14   | 5.303G         | 15   | 5.298G         | 16   | 5.592G         |
| 17   | 5.267G         | 18   | 5.717G         | 19   | 5.568G         | 20   | 5.320G         |
| 21   | 5.697G         | 22   | 5.541G         | 23   | 5.667G         | 24   | 5.506G         |
| 25   | 5.423G         | 26   | 5.518G         | 27   | 5.575G         | 28   | 5.413G         |
| 29   | 5.527G         | 30   | 5.283G         | 31   | 5.709G         | 32   | 5.469G         |
| 33   | 5.554G         | 34   | 5.418G         | 35   | 5.250G         | 36   | 5.495G         |
| 37   | 5.366G         | 38   | 5.681G         | 39   | 5.716G         | 40   | 5.471G         |
| 41   | 5.302G         | 42   | 5.628G         | 43   | 5.534G         | 44   | 5.698G         |
| 45   | 5.439G         | 46   | 5.510G         | 47   | 5.673G         | 48   | 5.408G         |
| 49   | 5.624G         | 50   | 5.280G         | 51   | 5.473G         | 52   | 5.676G         |
| 53   | 5.582G         | 54   | 5.400G         | 55   | 5.648G         | 56   | 5.383G         |
| 57   | 5.626G         | 58   | 5.358G         | 59   | 5.296G         | 60   | 5.641G         |
| 61   | 5.690G         | 62   | 5.608G         | 63   | 5.365G         | 64   | 5.397G         |
| 65   | 5.629G         | 66   | 5.647G         | 67   | 5.620G         | 68   | 5.493G         |
| 69   | 5.417G         | 70   | 5.570G         | 71   | 5.596G         | 72   | 5.581G         |
| 73   | 5.285G         | 74   | 5.606G         | 75   | 5.654G         | 76   | 5.445G         |
| 77   | 5.318G         | 78   | 5.404G         | 79   | 5.553G         | 80   | 5.335G         |
| 81   | 5.378G         | 82   | 5.505G         | 83   | 5.694G         | 84   | 5.487G         |
| 85   | 5.715G         | 86   | 5.269G         | 87   | 5.552G         | 88   | 5.287G         |
| 89   | 5.315G         | 90   | 5.289G         | 91   | 5.422G         | 92   | 5.431G         |
| 93   | 5.569G         | 94   | 5.507G         | 95   | 5.478G         | 96   | 5.464G         |
| 97   | 5.702G         | 98   | 5.347G         | 99   | 5.275G         | 100  | 5.409G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.521G         | 2    | 5.425G         | 3    | 5.711G         | 4    | 5.694G         |
| 5                                                | 5.679G         | 6    | 5.449G         | 7    | 5.723G         | 8    | 5.440G         |
| 9                                                | 5.279G         | 10   | 5.442G         | 11   | 5.700G         | 12   | 5.326G         |
| 13                                               | 5.286G         | 14   | 5.608G         | 15   | 5.664G         | 16   | 5.265G         |
| 17                                               | 5.395G         | 18   | 5.687G         | 19   | 5.258G         | 20   | 5.656G         |
| 21                                               | 5.348G         | 22   | 5.319G         | 23   | 5.306G         | 24   | 5.412G         |
| 25                                               | 5.624G         | 26   | 5.556G         | 27   | 5.420G         | 28   | 5.457G         |
| 29                                               | 5.404G         | 30   | 5.693G         | 31   | 5.640G         | 32   | 5.606G         |
| 33                                               | 5.627G         | 34   | 5.367G         | 35   | 5.387G         | 36   | 5.401G         |
| 37                                               | 5.441G         | 38   | 5.580G         | 39   | 5.398G         | 40   | 5.274G         |
| 41                                               | 5.323G         | 42   | 5.651G         | 43   | 5.386G         | 44   | 5.683G         |
| 45                                               | 5.300G         | 46   | 5.283G         | 47   | 5.655G         | 48   | 5.638G         |
| 49                                               | 5.487G         | 50   | 5.705G         | 51   | 5.358G         | 52   | 5.600G         |
| 53                                               | 5.559G         | 54   | 5.261G         | 55   | 5.614G         | 56   | 5.581G         |
| 57                                               | 5.409G         | 58   | 5.424G         | 59   | 5.322G         | 60   | 5.292G         |
| 61                                               | 5.263G         | 62   | 5.667G         | 63   | 5.682G         | 64   | 5.397G         |
| 65                                               | 5.264G         | 66   | 5.482G         | 67   | 5.713G         | 68   | 5.302G         |
| 69                                               | 5.650G         | 70   | 5.572G         | 71   | 5.464G         | 72   | 5.686G         |
| 73                                               | 5.351G         | 74   | 5.562G         | 75   | 5.573G         | 76   | 5.355G         |
| 77                                               | 5.724G         | 78   | 5.550G         | 79   | 5.476G         | 80   | 5.603G         |
| 81                                               | 5.450G         | 82   | 5.601G         | 83   | 5.684G         | 84   | 5.592G         |
| 85                                               | 5.354G         | 86   | 5.255G         | 87   | 5.359G         | 88   | 5.568G         |
| 89                                               | 5.702G         | 90   | 5.692G         | 91   | 5.336G         | 92   | 5.639G         |
| 93                                               | 5.484G         | 94   | 5.637G         | 95   | 5.477G         | 96   | 5.520G         |
| 97                                               | 5.327G         | 98   | 5.378G         | 99   | 5.461G         | 100  | 5.501G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.461G         | 2    | 5.451G         | 3    | 5.572G         | 4    | 5.600G         |
| 5                                                | 5.561G         | 6    | 5.338G         | 7    | 5.515G         | 8    | 5.403G         |
| 9                                                | 5.527G         | 10   | 5.628G         | 11   | 5.654G         | 12   | 5.544G         |
| 13                                               | 5.367G         | 14   | 5.353G         | 15   | 5.665G         | 16   | 5.573G         |
| 17                                               | 5.377G         | 18   | 5.534G         | 19   | 5.432G         | 20   | 5.621G         |
| 21                                               | 5.302G         | 22   | 5.414G         | 23   | 5.560G         | 24   | 5.574G         |
| 25                                               | 5.381G         | 26   | 5.533G         | 27   | 5.546G         | 28   | 5.404G         |
| 29                                               | 5.700G         | 30   | 5.325G         | 31   | 5.355G         | 32   | 5.685G         |
| 33                                               | 5.588G         | 34   | 5.625G         | 35   | 5.294G         | 36   | 5.505G         |
| 37                                               | 5.344G         | 38   | 5.352G         | 39   | 5.630G         | 40   | 5.599G         |
| 41                                               | 5.430G         | 42   | 5.495G         | 43   | 5.431G         | 44   | 5.253G         |
| 45                                               | 5.714G         | 46   | 5.258G         | 47   | 5.691G         | 48   | 5.719G         |
| 49                                               | 5.287G         | 50   | 5.557G         | 51   | 5.623G         | 52   | 5.343G         |
| 53                                               | 5.682G         | 54   | 5.717G         | 55   | 5.408G         | 56   | 5.526G         |
| 57                                               | 5.569G         | 58   | 5.393G         | 59   | 5.452G         | 60   | 5.549G         |
| 61                                               | 5.705G         | 62   | 5.375G         | 63   | 5.271G         | 64   | 5.264G         |
| 65                                               | 5.470G         | 66   | 5.674G         | 67   | 5.312G         | 68   | 5.389G         |
| 69                                               | 5.341G         | 70   | 5.358G         | 71   | 5.394G         | 72   | 5.440G         |
| 73                                               | 5.493G         | 74   | 5.538G         | 75   | 5.604G         | 76   | 5.699G         |
| 77                                               | 5.554G         | 78   | 5.586G         | 79   | 5.380G         | 80   | 5.454G         |
| 81                                               | 5.662G         | 82   | 5.304G         | 83   | 5.443G         | 84   | 5.267G         |
| 85                                               | 5.649G         | 86   | 5.364G         | 87   | 5.487G         | 88   | 5.636G         |
| 89                                               | 5.276G         | 90   | 5.360G         | 91   | 5.722G         | 92   | 5.694G         |
| 93                                               | 5.616G         | 94   | 5.255G         | 95   | 5.351G         | 96   | 5.424G         |
| 97                                               | 5.279G         | 98   | 5.663G         | 99   | 5.382G         | 100  | 5.373G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.536G         | 2    | 5.267G         | 3    | 5.257G         | 4    | 5.254G         |
| 5                                                | 5.720G         | 6    | 5.325G         | 7    | 5.329G         | 8    | 5.393G         |
| 9                                                | 5.689G         | 10   | 5.621G         | 11   | 5.601G         | 12   | 5.464G         |
| 13                                               | 5.700G         | 14   | 5.261G         | 15   | 5.418G         | 16   | 5.270G         |
| 17                                               | 5.417G         | 18   | 5.702G         | 19   | 5.341G         | 20   | 5.565G         |
| 21                                               | 5.573G         | 22   | 5.310G         | 23   | 5.537G         | 24   | 5.612G         |
| 25                                               | 5.495G         | 26   | 5.314G         | 27   | 5.714G         | 28   | 5.723G         |
| 29                                               | 5.292G         | 30   | 5.369G         | 31   | 5.401G         | 32   | 5.378G         |
| 33                                               | 5.716G         | 34   | 5.311G         | 35   | 5.667G         | 36   | 5.455G         |
| 37                                               | 5.467G         | 38   | 5.336G         | 39   | 5.520G         | 40   | 5.600G         |
| 41                                               | 5.535G         | 42   | 5.595G         | 43   | 5.604G         | 44   | 5.363G         |
| 45                                               | 5.696G         | 46   | 5.472G         | 47   | 5.677G         | 48   | 5.598G         |
| 49                                               | 5.425G         | 50   | 5.391G         | 51   | 5.660G         | 52   | 5.650G         |
| 53                                               | 5.352G         | 54   | 5.586G         | 55   | 5.360G         | 56   | 5.371G         |
| 57                                               | 5.532G         | 58   | 5.420G         | 59   | 5.692G         | 60   | 5.454G         |
| 61                                               | 5.579G         | 62   | 5.539G         | 63   | 5.617G         | 64   | 5.516G         |
| 65                                               | 5.498G         | 66   | 5.649G         | 67   | 5.452G         | 68   | 5.514G         |
| 69                                               | 5.412G         | 70   | 5.293G         | 71   | 5.668G         | 72   | 5.574G         |
| 73                                               | 5.547G         | 74   | 5.424G         | 75   | 5.326G         | 76   | 5.722G         |
| 77                                               | 5.524G         | 78   | 5.289G         | 79   | 5.258G         | 80   | 5.713G         |
| 81                                               | 5.451G         | 82   | 5.251G         | 83   | 5.618G         | 84   | 5.357G         |
| 85                                               | 5.446G         | 86   | 5.348G         | 87   | 5.427G         | 88   | 5.681G         |
| 89                                               | 5.544G         | 90   | 5.260G         | 91   | 5.606G         | 92   | 5.280G         |
| 93                                               | 5.501G         | 94   | 5.438G         | 95   | 5.474G         | 96   | 5.284G         |
| 97                                               | 5.382G         | 98   | 5.376G         | 99   | 5.444G         | 100  | 5.496G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.635G         | 2    | 5.651G         | 3    | 5.269G         | 4    | 5.372G         |
| 5                                                | 5.328G         | 6    | 5.410G         | 7    | 5.344G         | 8    | 5.563G         |
| 9                                                | 5.250G         | 10   | 5.420G         | 11   | 5.549G         | 12   | 5.565G         |
| 13                                               | 5.346G         | 14   | 5.682G         | 15   | 5.548G         | 16   | 5.632G         |
| 17                                               | 5.573G         | 18   | 5.614G         | 19   | 5.376G         | 20   | 5.690G         |
| 21                                               | 5.495G         | 22   | 5.409G         | 23   | 5.348G         | 24   | 5.648G         |
| 25                                               | 5.469G         | 26   | 5.666G         | 27   | 5.272G         | 28   | 5.408G         |
| 29                                               | 5.584G         | 30   | 5.571G         | 31   | 5.553G         | 32   | 5.425G         |
| 33                                               | 5.512G         | 34   | 5.619G         | 35   | 5.386G         | 36   | 5.368G         |
| 37                                               | 5.318G         | 38   | 5.620G         | 39   | 5.609G         | 40   | 5.336G         |
| 41                                               | 5.560G         | 42   | 5.424G         | 43   | 5.610G         | 44   | 5.429G         |
| 45                                               | 5.433G         | 46   | 5.680G         | 47   | 5.313G         | 48   | 5.366G         |
| 49                                               | 5.576G         | 50   | 5.396G         | 51   | 5.669G         | 52   | 5.663G         |
| 53                                               | 5.283G         | 54   | 5.562G         | 55   | 5.270G         | 56   | 5.697G         |
| 57                                               | 5.481G         | 58   | 5.668G         | 59   | 5.533G         | 60   | 5.688G         |
| 61                                               | 5.487G         | 62   | 5.305G         | 63   | 5.389G         | 64   | 5.589G         |
| 65                                               | 5.296G         | 66   | 5.364G         | 67   | 5.597G         | 68   | 5.494G         |
| 69                                               | 5.419G         | 70   | 5.698G         | 71   | 5.427G         | 72   | 5.662G         |
| 73                                               | 5.397G         | 74   | 5.261G         | 75   | 5.444G         | 76   | 5.465G         |
| 77                                               | 5.678G         | 78   | 5.498G         | 79   | 5.684G         | 80   | 5.629G         |
| 81                                               | 5.464G         | 82   | 5.282G         | 83   | 5.251G         | 84   | 5.700G         |
| 85                                               | 5.473G         | 86   | 5.634G         | 87   | 5.567G         | 88   | 5.380G         |
| 89                                               | 5.460G         | 90   | 5.468G         | 91   | 5.362G         | 92   | 5.527G         |
| 93                                               | 5.539G         | 94   | 5.720G         | 95   | 5.439G         | 96   | 5.704G         |
| 97                                               | 5.438G         | 98   | 5.339G         | 99   | 5.583G         | 100  | 5.486G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.370G         | 2    | 5.453G         | 3    | 5.644G         | 4    | 5.308G         |
| 5                                                | 5.373G         | 6    | 5.503G         | 7    | 5.257G         | 8    | 5.336G         |
| 9                                                | 5.387G         | 10   | 5.669G         | 11   | 5.319G         | 12   | 5.548G         |
| 13                                               | 5.273G         | 14   | 5.334G         | 15   | 5.663G         | 16   | 5.428G         |
| 17                                               | 5.492G         | 18   | 5.638G         | 19   | 5.295G         | 20   | 5.388G         |
| 21                                               | 5.512G         | 22   | 5.513G         | 23   | 5.455G         | 24   | 5.405G         |
| 25                                               | 5.496G         | 26   | 5.538G         | 27   | 5.596G         | 28   | 5.654G         |
| 29                                               | 5.368G         | 30   | 5.674G         | 31   | 5.279G         | 32   | 5.696G         |
| 33                                               | 5.277G         | 34   | 5.718G         | 35   | 5.600G         | 36   | 5.327G         |
| 37                                               | 5.660G         | 38   | 5.714G         | 39   | 5.723G         | 40   | 5.631G         |
| 41                                               | 5.539G         | 42   | 5.420G         | 43   | 5.482G         | 44   | 5.353G         |
| 45                                               | 5.345G         | 46   | 5.702G         | 47   | 5.390G         | 48   | 5.668G         |
| 49                                               | 5.349G         | 50   | 5.480G         | 51   | 5.534G         | 52   | 5.583G         |
| 53                                               | 5.256G         | 54   | 5.526G         | 55   | 5.643G         | 56   | 5.304G         |
| 57                                               | 5.435G         | 58   | 5.377G         | 59   | 5.264G         | 60   | 5.656G         |
| 61                                               | 5.450G         | 62   | 5.448G         | 63   | 5.298G         | 64   | 5.697G         |
| 65                                               | 5.282G         | 66   | 5.468G         | 67   | 5.586G         | 68   | 5.430G         |
| 69                                               | 5.561G         | 70   | 5.576G         | 71   | 5.401G         | 72   | 5.402G         |
| 73                                               | 5.553G         | 74   | 5.568G         | 75   | 5.323G         | 76   | 5.281G         |
| 77                                               | 5.285G         | 78   | 5.381G         | 79   | 5.270G         | 80   | 5.635G         |
| 81                                               | 5.577G         | 82   | 5.486G         | 83   | 5.684G         | 84   | 5.602G         |
| 85                                               | 5.374G         | 86   | 5.708G         | 87   | 5.501G         | 88   | 5.592G         |
| 89                                               | 5.499G         | 90   | 5.484G         | 91   | 5.682G         | 92   | 5.607G         |
| 93                                               | 5.507G         | 94   | 5.375G         | 95   | 5.678G         | 96   | 5.641G         |
| 97                                               | 5.646G         | 98   | 5.557G         | 99   | 5.588G         | 100  | 5.691G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_28 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.347G         | 2    | 5.450G         | 3    | 5.355G         | 4    | 5.604G         |
| 5                                                | 5.544G         | 6    | 5.673G         | 7    | 5.325G         | 8    | 5.523G         |
| 9                                                | 5.721G         | 10   | 5.585G         | 11   | 5.703G         | 12   | 5.475G         |
| 13                                               | 5.390G         | 14   | 5.525G         | 15   | 5.337G         | 16   | 5.267G         |
| 17                                               | 5.285G         | 18   | 5.320G         | 19   | 5.322G         | 20   | 5.281G         |
| 21                                               | 5.682G         | 22   | 5.675G         | 23   | 5.718G         | 24   | 5.669G         |
| 25                                               | 5.279G         | 26   | 5.269G         | 27   | 5.265G         | 28   | 5.636G         |
| 29                                               | 5.677G         | 30   | 5.483G         | 31   | 5.376G         | 32   | 5.495G         |
| 33                                               | 5.535G         | 34   | 5.335G         | 35   | 5.601G         | 36   | 5.275G         |
| 37                                               | 5.349G         | 38   | 5.368G         | 39   | 5.552G         | 40   | 5.521G         |
| 41                                               | 5.411G         | 42   | 5.417G         | 43   | 5.457G         | 44   | 5.303G         |
| 45                                               | 5.366G         | 46   | 5.709G         | 47   | 5.437G         | 48   | 5.292G         |
| 49                                               | 5.536G         | 50   | 5.298G         | 51   | 5.405G         | 52   | 5.333G         |
| 53                                               | 5.658G         | 54   | 5.354G         | 55   | 5.657G         | 56   | 5.623G         |
| 57                                               | 5.403G         | 58   | 5.421G         | 59   | 5.534G         | 60   | 5.491G         |
| 61                                               | 5.582G         | 62   | 5.713G         | 63   | 5.546G         | 64   | 5.428G         |
| 65                                               | 5.459G         | 66   | 5.435G         | 67   | 5.512G         | 68   | 5.352G         |
| 69                                               | 5.280G         | 70   | 5.440G         | 71   | 5.338G         | 72   | 5.487G         |
| 73                                               | 5.426G         | 74   | 5.288G         | 75   | 5.722G         | 76   | 5.705G         |
| 77                                               | 5.704G         | 78   | 5.628G         | 79   | 5.538G         | 80   | 5.478G         |
| 81                                               | 5.602G         | 82   | 5.434G         | 83   | 5.710G         | 84   | 5.441G         |
| 85                                               | 5.315G         | 86   | 5.717G         | 87   | 5.714G         | 88   | 5.569G         |
| 89                                               | 5.592G         | 90   | 5.461G         | 91   | 5.344G         | 92   | 5.622G         |
| 93                                               | 5.511G         | 94   | 5.460G         | 95   | 5.409G         | 96   | 5.668G         |
| 97                                               | 5.264G         | 98   | 5.517G         | 99   | 5.584G         | 100  | 5.259G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.449G         | 2    | 5.476G         | 3    | 5.473G         | 4    | 5.397G         |
| 5                                                | 5.508G         | 6    | 5.695G         | 7    | 5.656G         | 8    | 5.679G         |
| 9                                                | 5.435G         | 10   | 5.293G         | 11   | 5.618G         | 12   | 5.439G         |
| 13                                               | 5.468G         | 14   | 5.521G         | 15   | 5.563G         | 16   | 5.462G         |
| 17                                               | 5.633G         | 18   | 5.641G         | 19   | 5.533G         | 20   | 5.669G         |
| 21                                               | 5.486G         | 22   | 5.627G         | 23   | 5.403G         | 24   | 5.348G         |
| 25                                               | 5.614G         | 26   | 5.529G         | 27   | 5.671G         | 28   | 5.549G         |
| 29                                               | 5.638G         | 30   | 5.295G         | 31   | 5.518G         | 32   | 5.255G         |
| 33                                               | 5.432G         | 34   | 5.277G         | 35   | 5.709G         | 36   | 5.535G         |
| 37                                               | 5.286G         | 38   | 5.557G         | 39   | 5.619G         | 40   | 5.719G         |
| 41                                               | 5.259G         | 42   | 5.320G         | 43   | 5.639G         | 44   | 5.429G         |
| 45                                               | 5.451G         | 46   | 5.603G         | 47   | 5.382G         | 48   | 5.341G         |
| 49                                               | 5.357G         | 50   | 5.714G         | 51   | 5.377G         | 52   | 5.423G         |
| 53                                               | 5.580G         | 54   | 5.314G         | 55   | 5.335G         | 56   | 5.543G         |
| 57                                               | 5.278G         | 58   | 5.406G         | 59   | 5.676G         | 60   | 5.454G         |
| 61                                               | 5.591G         | 62   | 5.433G         | 63   | 5.632G         | 64   | 5.532G         |
| 65                                               | 5.697G         | 66   | 5.422G         | 67   | 5.478G         | 68   | 5.321G         |
| 69                                               | 5.381G         | 70   | 5.569G         | 71   | 5.398G         | 72   | 5.272G         |
| 73                                               | 5.500G         | 74   | 5.635G         | 75   | 5.280G         | 76   | 5.323G         |
| 77                                               | 5.516G         | 78   | 5.299G         | 79   | 5.710G         | 80   | 5.620G         |
| 81                                               | 5.675G         | 82   | 5.345G         | 83   | 5.362G         | 84   | 5.498G         |
| 85                                               | 5.322G         | 86   | 5.339G         | 87   | 5.552G         | 88   | 5.648G         |
| 89                                               | 5.541G         | 90   | 5.523G         | 91   | 5.337G         | 92   | 5.380G         |
| 93                                               | 5.650G         | 94   | 5.326G         | 95   | 5.418G         | 96   | 5.502G         |
| 97                                               | 5.351G         | 98   | 5.264G         | 99   | 5.626G         | 100  | 5.565G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.672G         | 2    | 5.293G         | 3    | 5.512G         | 4    | 5.436G         |
| 5                                                | 5.415G         | 6    | 5.447G         | 7    | 5.336G         | 8    | 5.636G         |
| 9                                                | 5.316G         | 10   | 5.650G         | 11   | 5.392G         | 12   | 5.567G         |
| 13                                               | 5.600G         | 14   | 5.668G         | 15   | 5.696G         | 16   | 5.459G         |
| 17                                               | 5.305G         | 18   | 5.396G         | 19   | 5.574G         | 20   | 5.587G         |
| 21                                               | 5.623G         | 22   | 5.644G         | 23   | 5.724G         | 24   | 5.442G         |
| 25                                               | 5.294G         | 26   | 5.548G         | 27   | 5.253G         | 28   | 5.443G         |
| 29                                               | 5.542G         | 30   | 5.258G         | 31   | 5.261G         | 32   | 5.353G         |
| 33                                               | 5.515G         | 34   | 5.430G         | 35   | 5.648G         | 36   | 5.344G         |
| 37                                               | 5.296G         | 38   | 5.462G         | 39   | 5.514G         | 40   | 5.709G         |
| 41                                               | 5.562G         | 42   | 5.622G         | 43   | 5.540G         | 44   | 5.365G         |
| 45                                               | 5.417G         | 46   | 5.255G         | 47   | 5.513G         | 48   | 5.639G         |
| 49                                               | 5.621G         | 50   | 5.494G         | 51   | 5.358G         | 52   | 5.398G         |
| 53                                               | 5.700G         | 54   | 5.569G         | 55   | 5.378G         | 56   | 5.420G         |
| 57                                               | 5.444G         | 58   | 5.572G         | 59   | 5.362G         | 60   | 5.297G         |
| 61                                               | 5.712G         | 62   | 5.519G         | 63   | 5.303G         | 64   | 5.505G         |
| 65                                               | 5.486G         | 66   | 5.466G         | 67   | 5.597G         | 68   | 5.427G         |
| 69                                               | 5.448G         | 70   | 5.460G         | 71   | 5.310G         | 72   | 5.502G         |
| 73                                               | 5.590G         | 74   | 5.487G         | 75   | 5.625G         | 76   | 5.581G         |
| 77                                               | 5.431G         | 78   | 5.723G         | 79   | 5.545G         | 80   | 5.264G         |
| 81                                               | 5.651G         | 82   | 5.338G         | 83   | 5.301G         | 84   | 5.299G         |
| 85                                               | 5.346G         | 86   | 5.713G         | 87   | 5.282G         | 88   | 5.286G         |
| 89                                               | 5.559G         | 90   | 5.593G         | 91   | 5.533G         | 92   | 5.278G         |
| 93                                               | 5.266G         | 94   | 5.332G         | 95   | 5.380G         | 96   | 5.350G         |
| 97                                               | 5.483G         | 98   | 5.682G         | 99   | 5.414G         | 100  | 5.428G         |

# IEEE 802.11ac 80MHz

Type 1 Radar Statistical Performances

EUT Test Frequency: 5530MHz

| Trial #                 | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|-------------------------|------------------|-----------------|---------|-----------------|-----------|
| 1                       | 102              | 1.0u            | 518.0u  | 5530MHz         | Yes       |
| 2                       | 99               | 1.0u            | 538.0u  | 5531MHz         | Yes       |
| 3                       | 95               | 1.0u            | 558.0u  | 5532MHz         | Yes       |
| 4                       | 92               | 1.0u            | 578.0u  | 5534MHz         | Yes       |
| 5                       | 89               | 1.0u            | 598.0u  | 5536MHz         | Yes       |
| 6                       | 86               | 1.0u            | 618.0u  | 5538MHz         | Yes       |
| 7                       | 83               | 1.0u            | 638.0u  | 5540MHz         | Yes       |
| 8                       | 81               | 1.0u            | 658.0u  | 5543MHz         | Yes       |
| 9                       | 78               | 1.0u            | 678.0u  | 5546MHz         | Yes       |
| 10                      | 76               | 1.0u            | 698.0u  | 5549MHz         | Yes       |
| 11                      | 74               | 1.0u            | 718.0u  | 5552MHz         | Yes       |
| 12                      | 18               | 1.0u            | 3.066m  | 5555MHz         | Yes       |
| 13                      | 62               | 1.0u            | 858.0u  | 5558MHz         | Yes       |
| 14                      | 61               | 1.0u            | 878.0u  | 5564MHz         | Yes       |
| 15                      | 59               | 1.0u            | 898.0u  | 5568MHz         | Yes       |
| 16                      | 82               | 1.0u            | 647.0u  | 5530MHz         | Yes       |
| 17                      | 63               | 1.0u            | 845.0u  | 5529MHz         | Yes       |
| 18                      | 91               | 1.0u            | 585.0u  | 5528MHz         | Yes       |
| 19                      | 70               | 1.0u            | 763.0u  | 5527MHz         | Yes       |
| 20                      | 76               | 1.0u            | 703.0u  | 5526MHz         | Yes       |
| 21                      | 73               | 1.0u            | 723.0u  | 5524MHz         | Yes       |
| 22                      | 57               | 1.0u            | 941.0u  | 5522MHz         | Yes       |
| 23                      | 68               | 1.0u            | 781.0u  | 5520MHz         | Yes       |
| 24                      | 78               | 1.0u            | 681.0u  | 5517MHz         | Yes       |
| 25                      | 18               | 1.0u            | 3.065m  | 5514MHz         | Yes       |
| 26                      | 68               | 1.0u            | 777.0u  | 5511MHz         | Yes       |
| 27                      | 83               | 1.0u            | 637.0u  | 5508MHz         | Yes       |
| 28                      | 84               | 1.0u            | 635.0u  | 5505MHz         | Yes       |
| 29                      | 62               | 1.0u            | 859.0u  | 5501MHz         | Yes       |
| 30                      | 56               | 1.0u            | 951.0u  | 5497MHz         | Yes       |
| Detection Rate: 100.0 % |                  |                 |         |                 |           |

## Type 2 Radar Statistical Performances

EUT Test Frequency: 5530MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 26               | 4.5u            | 178.0u  | 5530MHz         | Yes       |
| 2       | 28               | 2.4u            | 183.0u  | 5531MHz         | Yes       |
| 3       | 25               | 3.0u            | 208.0u  | 5532MHz         | Yes       |
| 4       | 26               | 3.5u            | 157.0u  | 5534MHz         | Yes       |
| 5       | 26               | 3.1u            | 189.0u  | 5536MHz         | Yes       |
| 6       | 29               | 2.9u            | 176.0u  | 5538MHz         | Yes       |
| 7       | 28               | 3.5u            | 177.0u  | 5540MHz         | No        |
| 8       | 27               | 4.3u            | 211.0u  | 5543MHz         | Yes       |
| 9       | 28               | 3.7u            | 168.0u  | 5546MHz         | Yes       |
| 10      | 26               | 2.7u            | 181.0u  | 5549MHz         | No        |
| 11      | 23               | 2.7u            | 217.0u  | 5552MHz         | Yes       |
| 12      | 27               | 3.8u            | 225.0u  | 5555MHz         | Yes       |
| 13      | 26               | 2.0u            | 216.0u  | 5558MHz         | Yes       |
| 14      | 25               | 4.3u            | 164.0u  | 5564MHz         | Yes       |
| 15      | 29               | 4.3u            | 170.0u  | 5568MHz         | Yes       |
| 16      | 28               | 4.9u            | 180.0u  | 5530MHz         | Yes       |
| 17      | 29               | 2.1u            | 196.0u  | 5529MHz         | Yes       |
| 18      | 28               | 4.5u            | 207.0u  | 5528MHz         | Yes       |
| 19      | 25               | 4.4u            | 157.0u  | 5527MHz         | Yes       |
| 20      | 26               | 2.6u            | 212.0u  | 5526MHz         | Yes       |
| 21      | 29               | 3.9u            | 184.0u  | 5524MHz         | Yes       |
| 22      | 26               | 3.9u            | 197.0u  | 5522MHz         | Yes       |
| 23      | 25               | 4.6u            | 157.0u  | 5520MHz         | Yes       |
| 24      | 28               | 1.3u            | 175.0u  | 5517MHz         | Yes       |
| 25      | 26               | 1.9u            | 212.0u  | 5514MHz         | Yes       |
| 26      | 26               | 3.1u            | 191.0u  | 5511MHz         | Yes       |
| 27      | 29               | 3.6u            | 174.0u  | 5508MHz         | Yes       |
| 28      | 25               | 4.0u            | 174.0u  | 5505MHz         | Yes       |
| 29      | 27               | 2.5u            | 197.0u  | 5501MHz         | Yes       |
| 30      | 27               | 3.2u            | 226.0u  | 5497MHz         | Yes       |

Detection Rate: 93.3 %

## Type 3 Radar Statistical Performances

EUT Test Frequency: 5530MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|---------|------------------|-----------------|---------|-----------------|-----------|
| 1       | 16               | 7.5u            | 305.0u  | 5530MHz         | Yes       |
| 2       | 16               | 9.7u            | 274.0u  | 5531MHz         | Yes       |
| 3       | 17               | 7.6u            | 422.0u  | 5532MHz         | Yes       |
| 4       | 17               | 7.4u            | 436.0u  | 5534MHz         | Yes       |
| 5       | 17               | 8.7u            | 460.0u  | 5536MHz         | Yes       |
| 6       | 17               | 9.0u            | 389.0u  | 5538MHz         | Yes       |
| 7       | 17               | 8.3u            | 381.0u  | 5540MHz         | Yes       |
| 8       | 17               | 6.8u            | 273.0u  | 5543MHz         | Yes       |
| 9       | 17               | 9.4u            | 346.0u  | 5546MHz         | Yes       |
| 10      | 16               | 8.1u            | 342.0u  | 5549MHz         | Yes       |
| 11      | 17               | 9.8u            | 497.0u  | 5552MHz         | Yes       |
| 12      | 18               | 6.6u            | 254.0u  | 5555MHz         | Yes       |
| 13      | 17               | 9.7u            | 384.0u  | 5558MHz         | Yes       |
| 14      | 17               | 7.6u            | 243.0u  | 5564MHz         | Yes       |
| 15      | 18               | 7.5u            | 348.0u  | 5568MHz         | Yes       |
| 16      | 16               | 6.9u            | 284.0u  | 5530MHz         | Yes       |
| 17      | 17               | 8.0u            | 272.0u  | 5529MHz         | No        |
| 18      | 17               | 8.8u            | 395.0u  | 5528MHz         | Yes       |
| 19      | 17               | 7.5u            | 453.0u  | 5527MHz         | Yes       |
| 20      | 18               | 7.7u            | 263.0u  | 5526MHz         | Yes       |
| 21      | 17               | 9.1u            | 384.0u  | 5524MHz         | Yes       |
| 22      | 17               | 8.2u            | 226.0u  | 5522MHz         | Yes       |
| 23      | 17               | 6.7u            | 474.0u  | 5520MHz         | Yes       |
| 24      | 16               | 8.5u            | 429.0u  | 5517MHz         | Yes       |
| 25      | 16               | 7.3u            | 301.0u  | 5514MHz         | Yes       |
| 26      | 17               | 9.6u            | 271.0u  | 5511MHz         | Yes       |
| 27      | 18               | 9.3u            | 375.0u  | 5508MHz         | Yes       |
| 28      | 18               | 8.5u            | 254.0u  | 5505MHz         | Yes       |
| 29      | 16               | 9.2u            | 428.0u  | 5501MHz         | Yes       |
| 30      | 17               | 8.5u            | 318.0u  | 5497MHz         | Yes       |

Detection Rate: 96.7 %

## Type 4 Radar Statistical Performances

EUT Test Frequency: 5530MHz

| Trial #                | Pulses per Burst | Pulse Width (s) | PRI (s) | Radar Frequency | Detection |
|------------------------|------------------|-----------------|---------|-----------------|-----------|
| 1                      | 14               | 16.1u           | 359.0u  | 5530MHz         | Yes       |
| 2                      | 12               | 19.9u           | 419.0u  | 5531MHz         | No        |
| 3                      | 15               | 19.1u           | 300.0u  | 5532MHz         | Yes       |
| 4                      | 12               | 16.5u           | 497.0u  | 5534MHz         | Yes       |
| 5                      | 16               | 11.5u           | 347.0u  | 5536MHz         | Yes       |
| 6                      | 15               | 17.7u           | 333.0u  | 5538MHz         | Yes       |
| 7                      | 15               | 13.0u           | 396.0u  | 5540MHz         | Yes       |
| 8                      | 16               | 12.4u           | 326.0u  | 5543MHz         | Yes       |
| 9                      | 14               | 17.7u           | 309.0u  | 5546MHz         | Yes       |
| 10                     | 14               | 17.9u           | 416.0u  | 5549MHz         | Yes       |
| 11                     | 14               | 14.4u           | 441.0u  | 5552MHz         | Yes       |
| 12                     | 14               | 11.4u           | 305.0u  | 5555MHz         | Yes       |
| 13                     | 13               | 17.2u           | 203.0u  | 5558MHz         | Yes       |
| 14                     | 16               | 16.1u           | 371.0u  | 5564MHz         | Yes       |
| 15                     | 15               | 19.9u           | 204.0u  | 5568MHz         | Yes       |
| 16                     | 12               | 12.8u           | 444.0u  | 5530MHz         | Yes       |
| 17                     | 15               | 15.6u           | 415.0u  | 5529MHz         | Yes       |
| 18                     | 14               | 19.7u           | 321.0u  | 5528MHz         | Yes       |
| 19                     | 14               | 19.9u           | 499.0u  | 5527MHz         | Yes       |
| 20                     | 13               | 13.1u           | 438.0u  | 5526MHz         | Yes       |
| 21                     | 15               | 16.6u           | 432.0u  | 5524MHz         | Yes       |
| 22                     | 13               | 18.1u           | 351.0u  | 5522MHz         | No        |
| 23                     | 16               | 18.6u           | 382.0u  | 5520MHz         | Yes       |
| 24                     | 15               | 19.2u           | 484.0u  | 5517MHz         | Yes       |
| 25                     | 16               | 15.7u           | 496.0u  | 5514MHz         | Yes       |
| 26                     | 15               | 13.7u           | 368.0u  | 5511MHz         | Yes       |
| 27                     | 13               | 17.7u           | 311.0u  | 5508MHz         | No        |
| 28                     | 13               | 13.8u           | 368.0u  | 5505MHz         | Yes       |
| 29                     | 13               | 19.1u           | 404.0u  | 5501MHz         | Yes       |
| 30                     | 13               | 15.2u           | 226.0u  | 5497MHz         | Yes       |
| Detection Rate: 90.0 % |                  |                 |         |                 |           |

# Type 5 Radar Statistical Performances

EUT Test Frequency: 5530MHz

| Trial # | Test Signal Name | Detection              |
|---------|------------------|------------------------|
| 1       | LP_Signal_01     | Yes                    |
| 2       | LP_Signal_02     | Yes                    |
| 3       | LP_Signal_03     | Yes                    |
| 4       | LP_Signal_04     | Yes                    |
| 5       | LP_Signal_05     | Yes                    |
| 6       | LP_Signal_06     | Yes                    |
| 7       | LP_Signal_07     | Yes                    |
| 8       | LP_Signal_08     | Yes                    |
| 9       | LP_Signal_09     | Yes                    |
| 10      | LP_Signal_10     | Yes                    |
| 11      | LP_Signal_11     | Yes                    |
| 12      | LP_Signal_12     | Yes                    |
| 13      | LP_Signal_13     | Yes                    |
| 14      | LP_Signal_14     | Yes                    |
| 15      | LP_Signal_15     | No                     |
| 16      | LP_Signal_16     | Yes                    |
| 17      | LP_Signal_17     | Yes                    |
| 18      | LP_Signal_18     | Yes                    |
| 19      | LP_Signal_19     | Yes                    |
| 20      | LP_Signal_20     | Yes                    |
| 21      | LP_Signal_21     | Yes                    |
| 22      | LP_Signal_22     | Yes                    |
| 23      | LP_Signal_23     | Yes                    |
| 24      | LP_Signal_24     | Yes                    |
| 25      | LP_Signal_25     | Yes                    |
| 26      | LP_Signal_26     | Yes                    |
| 27      | LP_Signal_27     | Yes                    |
| 28      | LP_Signal_28     | Yes                    |
| 29      | LP_Signal_29     | No                     |
| 30      | LP_Signal_30     | Yes                    |
|         |                  | Detection Rate: 93.3 % |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_01  
Number of Bursts in Trial: 13  
Chrip Center Frequency: 5500MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 14M        | 98.4u           | -                        | -                        | 455.0m             |
| 2     | 2                | 12M        | 55.6u           | 1.396m                   | -                        | 534.3m             |
| 3     | 3                | 11M        | 88.6u           | 1.055m                   | 1.079m                   | 156.1m             |
| 4     | 2                | 7M         | 64.8u           | 1.901m                   | -                        | 132.9m             |
| 5     | 3                | 12M        | 79.0u           | 993.0u                   | 998.0u                   | 120.0m             |
| 6     | 2                | 15M        | 64.5u           | 1.496m                   | -                        | 769.4m             |
| 7     | 2                | 6M         | 97.9u           | 1.601m                   | -                        | 460.5m             |
| 8     | 1                | 16M        | 95.0u           | -                        | -                        | 550.0m             |
| 9     | 2                | 6M         | 51.7u           | 1.251m                   | -                        | 344.8m             |
| 10    | 1                | 18M        | 81.7u           | -                        | -                        | 395.7m             |
| 11    | 3                | 7M         | 95.9u           | 1.352m                   | 1.146m                   | 558.8m             |
| 12    | 2                | 14M        | 79.2u           | 1.876m                   | -                        | 89.70m             |
| 13    | 2                | 15M        | 91.2u           | 1.210m                   | -                        | 425.3m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_02  
Number of Bursts in Trial: 16  
Chrip Center Frequency: 5502MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 14M        | 64.3u           | 971.7u                   | 1.410m                   | 149.4m             |
| 2     | 2                | 9M         | 69.2u           | 1.861m                   | -                        | 538.8m             |
| 3     | 2                | 16M        | 59.4u           | 1.302m                   | -                        | 511.1m             |
| 4     | 3                | 15M        | 55.3u           | 968.7u                   | 1.083m                   | 229.2m             |
| 5     | 3                | 12M        | 84.8u           | 1.088m                   | 1.366m                   | 607.3m             |
| 6     | 1                | 18M        | 58.9u           | -                        | -                        | 646.1m             |
| 7     | 3                | 16M        | 56.6u           | 1.149m                   | 1.131m                   | 464.4m             |
| 8     | 2                | 18M        | 99.2u           | 1.209m                   | -                        | 239.8m             |
| 9     | 2                | 5M         | 80.2u           | 1.220m                   | -                        | 452.8m             |
| 10    | 2                | 20M        | 78.6u           | 1.438m                   | -                        | 235.4m             |
| 11    | 2                | 9M         | 89.3u           | 1.264m                   | -                        | 192.6m             |
| 12    | 2                | 9M         | 76.8u           | 1.856m                   | -                        | 387.2m             |
| 13    | 1                | 12M        | 69.2u           | -                        | -                        | 447.7m             |
| 14    | 2                | 17M        | 97.1u           | 1.154m                   | -                        | 535.9m             |
| 15    | 2                | 7M         | 94.8u           | 1.299m                   | -                        | 163.7m             |
| 16    | 3                | 9M         | 84.1u           | 1.478m                   | 1.505m                   | 175.1m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_03

Number of Bursts in Trial: 16

Chrip Center Frequency: 5504MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 16M        | 51.2u           | -                        | -                        | 713.2m             |
| 2     | 2                | 8M         | 65.6u           | 1.679m                   | -                        | 64.79m             |
| 3     | 1                | 7M         | 57.2u           | -                        | -                        | 64.06m             |
| 4     | 3                | 5M         | 72.8u           | 1.613m                   | 1.695m                   | 3.216m             |
| 5     | 1                | 19M        | 94.4u           | -                        | -                        | 401.1m             |
| 6     | 2                | 11M        | 87.4u           | 1.721m                   | -                        | 49.87m             |
| 7     | 2                | 10M        | 50.2u           | 1.188m                   | -                        | 730.7m             |
| 8     | 2                | 11M        | 91.9u           | 1.264m                   | -                        | 622.7m             |
| 9     | 1                | 8M         | 72.2u           | -                        | -                        | 235.9m             |
| 10    | 2                | 7M         | 70.5u           | 1.615m                   | -                        | 692.6m             |
| 11    | 2                | 6M         | 84.0u           | 1.135m                   | -                        | 695.6m             |
| 12    | 2                | 14M        | 77.4u           | 1.238m                   | -                        | 400.7m             |
| 13    | 2                | 15M        | 80.2u           | 1.171m                   | -                        | 628.3m             |
| 14    | 2                | 14M        | 91.8u           | 1.287m                   | -                        | 719.6m             |
| 15    | 2                | 17M        | 99.2u           | 995.8u                   | -                        | 553.9m             |
| 16    | 2                | 11M        | 83.4u           | 1.542m                   | -                        | 239.6m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_04

Number of Bursts in Trial: 16

Chrip Center Frequency: 5506MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 11M        | 83.5u           | 1.408m                   | -                        | 372.0m             |
| 2     | 2                | 8M         | 84.0u           | 1.625m                   | -                        | 612.9m             |
| 3     | 2                | 16M        | 98.2u           | 1.071m                   | -                        | 28.15m             |
| 4     | 1                | 5M         | 91.2u           | -                        | -                        | 457.7m             |
| 5     | 2                | 13M        | 52.4u           | 1.909m                   | -                        | 213.7m             |
| 6     | 2                | 10M        | 67.2u           | 1.278m                   | -                        | 714.9m             |
| 7     | 2                | 20M        | 81.3u           | 1.808m                   | -                        | 132.2m             |
| 8     | 3                | 5M         | 90.0u           | 1.272m                   | 1.869m                   | 18.42m             |
| 9     | 2                | 12M        | 85.2u           | 1.447m                   | -                        | 723.9m             |
| 10    | 2                | 14M        | 75.2u           | 1.410m                   | -                        | 509.2m             |
| 11    | 3                | 6M         | 83.8u           | 1.276m                   | 955.2u                   | 534.4m             |
| 12    | 2                | 13M        | 56.6u           | 1.738m                   | -                        | 287.8m             |
| 13    | 2                | 17M        | 65.6u           | 1.454m                   | -                        | 21.77m             |
| 14    | 1                | 18M        | 60.4u           | -                        | -                        | 180.0m             |
| 15    | 1                | 7M         | 74.6u           | -                        | -                        | 608.4m             |
| 16    | 3                | 17M        | 51.8u           | 1.166m                   | 1.324m                   | 281.6m             |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_05

Number of Bursts in Trial: 11

Chirp Center Frequency: 5508MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 17M        | 80.7u           | 1.178m                   | 1.669m                   | 248.0m             |
| 2     | 2                | 14M        | 94.6u           | 1.005m                   | -                        | 6.709m             |
| 3     | 2                | 7M         | 71.1u           | 1.239m                   | -                        | 922.2m             |
| 4     | 3                | 7M         | 77.8u           | 1.705m                   | 1.059m                   | 891.1m             |
| 5     | 2                | 8M         | 76.7u           | 1.210m                   | -                        | 989.2m             |
| 6     | 3                | 5M         | 63.5u           | 966.5u                   | 992.5u                   | 728.6m             |
| 7     | 3                | 13M        | 90.7u           | 1.477m                   | 1.181m                   | 1.005              |
| 8     | 3                | 17M        | 87.9u           | 1.015m                   | 1.053m                   | 720.0m             |
| 9     | 3                | 18M        | 87.5u           | 974.5u                   | 930.5u                   | 1.037              |
| 10    | 2                | 14M        | 86.8u           | 1.185m                   | -                        | 819.5m             |
| 11    | 3                | 8M         | 70.5u           | 1.722m                   | 1.283m                   | 82.74m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_06

Number of Bursts in Trial: 13

Chirp Center Frequency: 5510MHz

| Burst | Pulses per Burst | Chirp (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 15M        | 59.5u           | 1.569m                   | -                        | 54.41m             |
| 2     | 1                | 20M        | 57.3u           | -                        | -                        | 603.7m             |
| 3     | 2                | 5M         | 59.1u           | 1.703m                   | -                        | 618.9m             |
| 4     | 3                | 14M        | 52.8u           | 1.695m                   | 1.774m                   | 833.5m             |
| 5     | 2                | 16M        | 98.6u           | 1.616m                   | -                        | 980.0u             |
| 6     | 1                | 17M        | 95.1u           | -                        | -                        | 379.7m             |
| 7     | 2                | 13M        | 50.7u           | 1.015m                   | -                        | 5.528m             |
| 8     | 1                | 18M        | 82.6u           | -                        | -                        | 741.8m             |
| 9     | 2                | 15M        | 51.4u           | 1.337m                   | -                        | 837.7m             |
| 10    | 1                | 5M         | 52.3u           | -                        | -                        | 489.7m             |
| 11    | 2                | 10M        | 75.6u           | 1.477m                   | -                        | 549.4m             |
| 12    | 1                | 11M        | 89.1u           | -                        | -                        | 25.18m             |
| 13    | 1                | 18M        | 59.9u           | -                        | -                        | 67.05m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_07  
Number of Bursts in Trial: 19  
Chrip Center Frequency: 5512MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 14M        | 66.7u           | 1.183m                   | -                        | 142.4m             |
| 2     | 3                | 13M        | 66.1u           | 1.443m                   | 996.9u                   | 348.1m             |
| 3     | 2                | 8M         | 71.9u           | 1.168m                   | -                        | 221.2m             |
| 4     | 2                | 18M        | 71.4u           | 1.889m                   | -                        | 136.6m             |
| 5     | 1                | 16M        | 99.9u           | -                        | -                        | 392.0m             |
| 6     | 2                | 14M        | 85.1u           | 1.342m                   | -                        | 367.1m             |
| 7     | 3                | 13M        | 72.5u           | 1.043m                   | 1.357m                   | 486.8m             |
| 8     | 3                | 7M         | 93.3u           | 1.129m                   | 1.692m                   | 311.2m             |
| 9     | 2                | 5M         | 85.6u           | 1.042m                   | -                        | 254.8m             |
| 10    | 1                | 16M        | 67.1u           | -                        | -                        | 457.6m             |
| 11    | 2                | 16M        | 76.9u           | 1.406m                   | -                        | 220.3m             |
| 12    | 1                | 7M         | 55.9u           | -                        | -                        | 390.3m             |
| 13    | 1                | 13M        | 86.6u           | -                        | -                        | 58.39m             |
| 14    | 2                | 11M        | 61.9u           | 1.871m                   | -                        | 342.5m             |
| 15    | 2                | 20M        | 56.1u           | 1.169m                   | -                        | 627.8m             |
| 16    | 3                | 6M         | 50.1u           | 1.782m                   | 1.342m                   | 107.1m             |
| 17    | 3                | 16M        | 86.4u           | 1.903m                   | 1.212m                   | 159.4m             |
| 18    | 2                | 9M         | 82.5u           | 1.848m                   | -                        | 618.0m             |
| 19    | 2                | 9M         | 70.8u           | 1.242m                   | -                        | 344.1m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_08  
Number of Bursts in Trial: 15  
Chrip Center Frequency: 5514MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 7M         | 78.9u           | -                        | -                        | 435.9m             |
| 2     | 2                | 15M        | 70.5u           | 1.133m                   | -                        | 584.7m             |
| 3     | 3                | 9M         | 56.4u           | 1.153m                   | 1.877m                   | 53.73m             |
| 4     | 2                | 18M        | 93.3u           | 983.7u                   | -                        | 345.9m             |
| 5     | 1                | 15M        | 66.7u           | -                        | -                        | 145.4m             |
| 6     | 3                | 15M        | 92.6u           | 1.523m                   | 1.547m                   | 202.1m             |
| 7     | 2                | 19M        | 59.0u           | 1.511m                   | -                        | 515.7m             |
| 8     | 3                | 6M         | 70.2u           | 1.474m                   | 1.574m                   | 590.9m             |
| 9     | 2                | 15M        | 73.4u           | 1.619m                   | -                        | 322.1m             |
| 10    | 2                | 18M        | 84.0u           | 1.323m                   | -                        | 241.2m             |
| 11    | 2                | 12M        | 89.8u           | 1.402m                   | -                        | 596.0m             |
| 12    | 1                | 15M        | 61.8u           | -                        | -                        | 400.4m             |
| 13    | 2                | 15M        | 60.4u           | 1.247m                   | -                        | 371.1m             |
| 14    | 2                | 9M         | 52.1u           | 1.459m                   | -                        | 103.0m             |
| 15    | 2                | 13M        | 77.8u           | 1.138m                   | -                        | 458.6m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_09  
Number of Bursts in Trial: 18  
Chrip Center Frequency: 5516MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 5M         | 68.3u           | 1.433m                   | -                        | 179.0m             |
| 2     | 2                | 15M        | 88.9u           | 1.639m                   | -                        | 271.4m             |
| 3     | 2                | 6M         | 92.0u           | 1.668m                   | -                        | 307.4m             |
| 4     | 2                | 18M        | 95.3u           | 1.445m                   | -                        | 419.2m             |
| 5     | 2                | 16M        | 86.4u           | 1.065m                   | -                        | 549.5m             |
| 6     | 2                | 15M        | 63.0u           | 1.343m                   | -                        | 133.9m             |
| 7     | 3                | 16M        | 74.5u           | 1.525m                   | 1.261m                   | 476.1m             |
| 8     | 2                | 18M        | 51.3u           | 953.7u                   | -                        | 351.8m             |
| 9     | 1                | 20M        | 73.7u           | -                        | -                        | 545.0m             |
| 10    | 2                | 14M        | 69.4u           | 1.469m                   | -                        | 143.0m             |
| 11    | 3                | 7M         | 72.3u           | 1.814m                   | 1.731m                   | 582.4m             |
| 12    | 2                | 20M        | 61.5u           | 1.564m                   | -                        | 663.2m             |
| 13    | 1                | 8M         | 64.2u           | -                        | -                        | 460.0m             |
| 14    | 2                | 10M        | 57.4u           | 1.677m                   | -                        | 177.0m             |
| 15    | 1                | 11M        | 88.8u           | -                        | -                        | 50.51m             |
| 16    | 3                | 18M        | 93.5u           | 1.293m                   | 1.687m                   | 162.6m             |
| 17    | 3                | 12M        | 88.0u           | 1.902m                   | 1.344m                   | 105.9m             |
| 18    | 2                | 15M        | 53.2u           | 1.544m                   | -                        | 349.0m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_10  
Number of Bursts in Trial: 13  
Chrip Center Frequency: 5518MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 6M         | 74.7u           | -                        | -                        | 843.0m             |
| 2     | 2                | 16M        | 90.5u           | 1.448m                   | -                        | 337.8m             |
| 3     | 2                | 8M         | 93.2u           | 1.217m                   | -                        | 372.5m             |
| 4     | 1                | 11M        | 90.6u           | -                        | -                        | 395.2m             |
| 5     | 2                | 14M        | 91.8u           | 1.823m                   | -                        | 502.5m             |
| 6     | 1                | 8M         | 74.7u           | -                        | -                        | 325.7m             |
| 7     | 1                | 6M         | 72.2u           | -                        | -                        | 838.0m             |
| 8     | 1                | 16M        | 93.2u           | -                        | -                        | 410.9m             |
| 9     | 2                | 17M        | 51.7u           | 1.805m                   | -                        | 887.0m             |
| 10    | 3                | 17M        | 98.9u           | 1.129m                   | 1.100m                   | 109.2m             |
| 11    | 1                | 6M         | 86.4u           | -                        | -                        | 155.0m             |
| 12    | 2                | 8M         | 64.3u           | 1.329m                   | -                        | 330.0u             |
| 13    | 1                | 16M        | 87.6u           | -                        | -                        | 468.2m             |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_11<br>Number of Bursts in Trial: 8<br>Chrip Center Frequency: 5520MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Burst                                                                                                                             | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                                                                                                                                 | 3                | 5M         | 72.9u           | 1.796m                   | 1.901m                   | 1.348              |
| 2                                                                                                                                 | 1                | 16M        | 69.5u           | -                        | -                        | 575.5m             |
| 3                                                                                                                                 | 2                | 17M        | 64.6u           | 1.190m                   | -                        | 219.9m             |
| 4                                                                                                                                 | 2                | 15M        | 76.4u           | 1.902m                   | -                        | 571.7m             |
| 5                                                                                                                                 | 3                | 16M        | 60.7u           | 1.117m                   | 1.732m                   | 1.229              |
| 6                                                                                                                                 | 3                | 11M        | 64.7u           | 1.101m                   | 1.301m                   | 398.4m             |
| 7                                                                                                                                 | 1                | 8M         | 65.9u           | -                        | -                        | 1.197              |
| 8                                                                                                                                 | 3                | 13M        | 83.0u           | 1.153m                   | 1.424m                   | 94.84m             |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_12<br>Number of Bursts in Trial: 13<br>Chrip Center Frequency: 5522MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Burst                                                                                                                              | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                                                                                                                                  | 1                | 10M        | 60.8u           | -                        | -                        | 867.4m             |
| 2                                                                                                                                  | 1                | 9M         | 68.2u           | -                        | -                        | 589.2m             |
| 3                                                                                                                                  | 2                | 8M         | 98.2u           | 1.503m                   | -                        | 749.0m             |
| 4                                                                                                                                  | 3                | 9M         | 62.3u           | 1.056m                   | 1.814m                   | 581.8m             |
| 5                                                                                                                                  | 2                | 10M        | 90.3u           | 1.816m                   | -                        | 838.5m             |
| 6                                                                                                                                  | 3                | 15M        | 77.8u           | 1.207m                   | 1.163m                   | 180.6m             |
| 7                                                                                                                                  | 2                | 11M        | 62.2u           | 1.572m                   | -                        | 354.0m             |
| 8                                                                                                                                  | 1                | 7M         | 72.3u           | -                        | -                        | 123.0m             |
| 9                                                                                                                                  | 1                | 11M        | 80.6u           | -                        | -                        | 455.3m             |
| 10                                                                                                                                 | 2                | 15M        | 93.7u           | 966.3u                   | -                        | 776.5m             |
| 11                                                                                                                                 | 2                | 13M        | 73.3u           | 1.824m                   | -                        | 373.1m             |
| 12                                                                                                                                 | 2                | 17M        | 81.2u           | 1.377m                   | -                        | 676.8m             |
| 13                                                                                                                                 | 2                | 11M        | 100.0u          | 1.487m                   | -                        | 97.43m             |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_13<br>Number of Bursts in Trial: 12<br>Chrip Center Frequency: 5524MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Burst                                                                                                                              | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                                                                                                                                  | 1                | 15M        | 63.5u           | -                        | -                        | 954.8m             |
| 2                                                                                                                                  | 2                | 12M        | 51.0u           | 1.652m                   | -                        | 301.6m             |
| 3                                                                                                                                  | 2                | 11M        | 60.9u           | 1.900m                   | -                        | 836.0m             |
| 4                                                                                                                                  | 1                | 18M        | 69.4u           | -                        | -                        | 61.53m             |
| 5                                                                                                                                  | 2                | 15M        | 88.6u           | 1.272m                   | -                        | 26.36m             |
| 6                                                                                                                                  | 2                | 18M        | 95.6u           | 957.4u                   | -                        | 648.4m             |
| 7                                                                                                                                  | 2                | 5M         | 87.0u           | 1.829m                   | -                        | 323.0m             |
| 8                                                                                                                                  | 3                | 5M         | 74.8u           | 1.424m                   | 1.428m                   | 435.3m             |
| 9                                                                                                                                  | 2                | 8M         | 68.8u           | 1.129m                   | -                        | 918.6m             |
| 10                                                                                                                                 | 1                | 15M        | 59.6u           | -                        | -                        | 710.3m             |
| 11                                                                                                                                 | 2                | 17M        | 94.2u           | 930.8u                   | -                        | 824.0m             |
| 12                                                                                                                                 | 2                | 19M        | 63.2u           | 1.172m                   | -                        | 956.4m             |

Long Pulse Radar Test Signal  
 Test Signal Name: LP\_Signal\_14  
 Number of Bursts in Trial: 18  
 Chrip Center Frequency: 5526MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 7M         | 51.6u           | 1.436m                   | -                        | 444.1m             |
| 2     | 1                | 14M        | 62.0u           | -                        | -                        | 323.6m             |
| 3     | 2                | 18M        | 83.4u           | 969.6u                   | -                        | 398.6m             |
| 4     | 1                | 11M        | 60.3u           | -                        | -                        | 321.4m             |
| 5     | 2                | 8M         | 68.4u           | 1.632m                   | -                        | 659.8m             |
| 6     | 3                | 17M        | 61.5u           | 1.669m                   | 1.197m                   | 64.22m             |
| 7     | 3                | 8M         | 71.0u           | 1.885m                   | 1.503m                   | 630.9m             |
| 8     | 1                | 8M         | 95.9u           | -                        | -                        | 16.51m             |
| 9     | 3                | 19M        | 51.0u           | 1.371m                   | 1.871m                   | 27.83m             |
| 10    | 2                | 9M         | 95.5u           | 1.603m                   | -                        | 509.3m             |
| 11    | 2                | 18M        | 64.5u           | 1.717m                   | -                        | 412.1m             |
| 12    | 2                | 14M        | 91.5u           | 1.460m                   | -                        | 130.3m             |
| 13    | 1                | 6M         | 79.1u           | -                        | -                        | 412.6m             |
| 14    | 2                | 11M        | 76.0u           | 1.314m                   | -                        | 379.4m             |
| 15    | 2                | 5M         | 81.2u           | 1.247m                   | -                        | 42.66m             |
| 16    | 3                | 14M        | 86.2u           | 1.371m                   | 1.776m                   | 613.3m             |
| 17    | 3                | 7M         | 99.3u           | 1.322m                   | 1.512m                   | 200.9m             |
| 18    | 2                | 16M        | 68.1u           | 1.916m                   | -                        | 498.9m             |

Long Pulse Radar Test Signal  
 Test Signal Name: LP\_Signal\_15  
 Number of Bursts in Trial: 16  
 Chrip Center Frequency: 5528MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 9M         | 50.6u           | 1.520m                   | 1.687m                   | 720.9m             |
| 2     | 2                | 13M        | 97.0u           | 1.194m                   | -                        | 150.4m             |
| 3     | 1                | 10M        | 83.6u           | -                        | -                        | 252.0m             |
| 4     | 1                | 11M        | 85.3u           | -                        | -                        | 203.4m             |
| 5     | 2                | 15M        | 84.8u           | 941.2u                   | -                        | 141.9m             |
| 6     | 1                | 13M        | 88.8u           | -                        | -                        | 28.48m             |
| 7     | 3                | 14M        | 78.4u           | 987.6u                   | 1.161m                   | 246.5m             |
| 8     | 3                | 10M        | 71.6u           | 1.374m                   | 1.668m                   | 604.1m             |
| 9     | 2                | 11M        | 55.3u           | 1.886m                   | -                        | 667.7m             |
| 10    | 3                | 9M         | 80.0u           | 1.417m                   | 1.372m                   | 126.2m             |
| 11    | 2                | 20M        | 74.2u           | 1.919m                   | -                        | 416.6m             |
| 12    | 2                | 9M         | 55.7u           | 1.378m                   | -                        | 137.9m             |
| 13    | 2                | 18M        | 92.5u           | 1.814m                   | -                        | 439.0m             |
| 14    | 1                | 7M         | 80.4u           | -                        | -                        | 435.4m             |
| 15    | 1                | 6M         | 82.5u           | -                        | -                        | 181.6m             |
| 16    | 2                | 9M         | 60.6u           | 1.007m                   | -                        | 524.7m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_16  
Number of Bursts in Trial: 16  
Chrip Center Frequency: 5530MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 3                | 16M        | 61.3u           | 1.396m                   | 1.069m                   | 252.6m             |
| 2     | 2                | 14M        | 70.8u           | 1.380m                   | -                        | 253.2m             |
| 3     | 3                | 15M        | 95.3u           | 1.879m                   | 1.731m                   | 573.9m             |
| 4     | 1                | 6M         | 76.9u           | -                        | -                        | 402.5m             |
| 5     | 2                | 7M         | 71.8u           | 1.783m                   | -                        | 12.22m             |
| 6     | 2                | 13M        | 66.3u           | 1.478m                   | -                        | 722.8m             |
| 7     | 3                | 17M        | 60.5u           | 1.837m                   | 1.202m                   | 99.87m             |
| 8     | 2                | 10M        | 98.4u           | 1.398m                   | -                        | 561.2m             |
| 9     | 2                | 8M         | 86.5u           | 1.569m                   | -                        | 395.3m             |
| 10    | 1                | 11M        | 71.7u           | -                        | -                        | 136.3m             |
| 11    | 1                | 13M        | 57.1u           | -                        | -                        | 38.71m             |
| 12    | 1                | 20M        | 59.1u           | -                        | -                        | 119.6m             |
| 13    | 1                | 6M         | 51.4u           | -                        | -                        | 472.7m             |
| 14    | 2                | 13M        | 98.6u           | 1.724m                   | -                        | 336.6m             |
| 15    | 1                | 17M        | 50.8u           | -                        | -                        | 538.9m             |
| 16    | 2                | 19M        | 96.7u           | 1.376m                   | -                        | 319.9m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_17  
Number of Bursts in Trial: 10  
Chrip Center Frequency: 5532MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 6M         | 80.1u           | -                        | -                        | 42.43m             |
| 2     | 2                | 12M        | 69.6u           | 1.689m                   | -                        | 815.5m             |
| 3     | 1                | 9M         | 71.0u           | -                        | -                        | 767.5m             |
| 4     | 1                | 11M        | 51.4u           | -                        | -                        | 1.147              |
| 5     | 2                | 7M         | 50.2u           | 1.905m                   | -                        | 719.1m             |
| 6     | 1                | 10M        | 66.4u           | -                        | -                        | 263.4m             |
| 7     | 2                | 5M         | 57.8u           | 1.278m                   | -                        | 583.2m             |
| 8     | 1                | 18M        | 74.0u           | -                        | -                        | 643.4m             |
| 9     | 3                | 12M        | 55.7u           | 1.059m                   | 1.141m                   | 1.021              |
| 10    | 2                | 12M        | 51.9u           | 1.267m                   | -                        | 586.9m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_18  
Number of Bursts in Trial: 18  
Chrip Center Frequency: 5534MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 16M        | 58.3u           | 1.327m                   | -                        | 118.5m             |
| 2     | 2                | 6M         | 56.1u           | 971.9u                   | -                        | 657.9m             |
| 3     | 2                | 12M        | 50.4u           | 1.462m                   | -                        | 95.20m             |
| 4     | 3                | 7M         | 65.6u           | 1.498m                   | 1.624m                   | 315.2m             |
| 5     | 2                | 17M        | 74.9u           | 1.483m                   | -                        | 612.9m             |
| 6     | 2                | 8M         | 88.0u           | 1.661m                   | -                        | 608.3m             |
| 7     | 2                | 18M        | 61.6u           | 941.4u                   | -                        | 537.6m             |
| 8     | 1                | 12M        | 79.7u           | -                        | -                        | 587.5m             |
| 9     | 2                | 13M        | 77.7u           | 1.519m                   | -                        | 289.8m             |
| 10    | 1                | 17M        | 79.3u           | -                        | -                        | 21.64m             |
| 11    | 3                | 15M        | 70.4u           | 1.893m                   | 1.929m                   | 542.5m             |
| 12    | 2                | 12M        | 87.4u           | 1.389m                   | -                        | 415.5m             |
| 13    | 1                | 7M         | 91.1u           | -                        | -                        | 98.77m             |
| 14    | 2                | 12M        | 66.2u           | 1.803m                   | -                        | 123.7m             |
| 15    | 1                | 19M        | 96.6u           | -                        | -                        | 516.1m             |
| 16    | 2                | 8M         | 87.9u           | 1.325m                   | -                        | 25.39m             |
| 17    | 2                | 20M        | 83.0u           | 1.018m                   | -                        | 285.4m             |
| 18    | 2                | 17M        | 82.9u           | 929.1u                   | -                        | 584.2m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_19  
Number of Bursts in Trial: 8  
Chrip Center Frequency: 5536MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 15M        | 81.0u           | -                        | -                        | 138.3m             |
| 2     | 2                | 19M        | 60.0u           | 1.459m                   | -                        | 1.005              |
| 3     | 3                | 18M        | 50.9u           | 1.079m                   | 1.113m                   | 1.464              |
| 4     | 2                | 12M        | 69.7u           | 1.789m                   | -                        | 1.321              |
| 5     | 1                | 18M        | 98.8u           | -                        | -                        | 1.149              |
| 6     | 2                | 10M        | 51.8u           | 1.414m                   | -                        | 902.4m             |
| 7     | 1                | 8M         | 72.5u           | -                        | -                        | 523.7m             |
| 8     | 3                | 12M        | 77.1u           | 979.9u                   | 1.489m                   | 481.8m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_20  
Number of Bursts in Trial: 19  
Chrip Center Frequency: 5538MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 17M        | 53.6u           | 949.4u                   | -                        | 185.3m             |
| 2     | 2                | 13M        | 89.5u           | 1.085m                   | -                        | 439.0m             |
| 3     | 3                | 18M        | 54.0u           | 1.787m                   | 1.346m                   | 557.1m             |
| 4     | 3                | 16M        | 57.5u           | 1.598m                   | 1.889m                   | 265.1m             |
| 5     | 2                | 19M        | 72.5u           | 1.678m                   | -                        | 439.2m             |
| 6     | 2                | 7M         | 60.5u           | 1.608m                   | -                        | 275.9m             |
| 7     | 2                | 11M        | 63.3u           | 1.310m                   | -                        | 468.1m             |
| 8     | 1                | 9M         | 97.7u           | -                        | -                        | 168.0m             |
| 9     | 3                | 19M        | 55.7u           | 1.307m                   | 1.516m                   | 311.5m             |
| 10    | 2                | 16M        | 67.5u           | 1.821m                   | -                        | 476.2m             |
| 11    | 3                | 10M        | 92.7u           | 1.843m                   | 1.140m                   | 62.61m             |
| 12    | 3                | 20M        | 51.1u           | 991.9u                   | 1.585m                   | 601.0m             |
| 13    | 1                | 13M        | 91.2u           | -                        | -                        | 500.8m             |
| 14    | 1                | 13M        | 55.8u           | -                        | -                        | 402.3m             |
| 15    | 1                | 13M        | 75.0u           | -                        | -                        | 151.1m             |
| 16    | 2                | 7M         | 66.4u           | 1.837m                   | -                        | 533.3m             |
| 17    | 3                | 6M         | 86.6u           | 1.440m                   | 1.008m                   | 500.0m             |
| 18    | 1                | 11M        | 73.0u           | -                        | -                        | 590.5m             |
| 19    | 1                | 18M        | 86.4u           | -                        | -                        | 362.1m             |

Long Pulse Radar Test Signal  
Test Signal Name: LP\_Signal\_21  
Number of Bursts in Trial: 12  
Chrip Center Frequency: 5540MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 7M         | 75.9u           | -                        | -                        | 781.9m             |
| 2     | 2                | 19M        | 56.9u           | 1.313m                   | -                        | 922.6m             |
| 3     | 3                | 16M        | 68.1u           | 1.230m                   | 1.264m                   | 174.3m             |
| 4     | 2                | 9M         | 97.2u           | 1.134m                   | -                        | 437.1m             |
| 5     | 1                | 12M        | 60.1u           | -                        | -                        | 888.3m             |
| 6     | 3                | 6M         | 50.4u           | 1.745m                   | 1.635m                   | 606.3m             |
| 7     | 1                | 17M        | 61.3u           | -                        | -                        | 651.3m             |
| 8     | 2                | 18M        | 70.0u           | 1.158m                   | -                        | 652.9m             |
| 9     | 1                | 10M        | 67.9u           | -                        | -                        | 421.3m             |
| 10    | 3                | 17M        | 93.0u           | 1.387m                   | 1.802m                   | 908.0m             |
| 11    | 3                | 16M        | 87.6u           | 1.131m                   | 1.482m                   | 919.7m             |
| 12    | 2                | 9M         | 50.5u           | 1.891m                   | -                        | 824.8m             |



# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_22

Number of Bursts in Trial: 15

Chrip Center Frequency: 5542MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 16M        | 51.1u           | 1.194m                   | -                        | 28.25m             |
| 2     | 3                | 17M        | 61.3u           | 1.668m                   | 1.085m                   | 213.0m             |
| 3     | 2                | 20M        | 91.1u           | 990.9u                   | -                        | 191.4m             |
| 4     | 2                | 12M        | 96.4u           | 1.651m                   | -                        | 34.25m             |
| 5     | 2                | 20M        | 56.4u           | 1.678m                   | -                        | 585.4m             |
| 6     | 2                | 17M        | 97.2u           | 1.117m                   | -                        | 99.65m             |
| 7     | 3                | 17M        | 86.5u           | 1.888m                   | 1.621m                   | 105.0m             |
| 8     | 3                | 17M        | 76.6u           | 1.251m                   | 1.356m                   | 250.1m             |
| 9     | 2                | 13M        | 93.2u           | 949.8u                   | -                        | 585.4m             |
| 10    | 2                | 7M         | 80.5u           | 1.584m                   | -                        | 539.3m             |
| 11    | 1                | 20M        | 95.3u           | -                        | -                        | 204.6m             |
| 12    | 1                | 11M        | 71.6u           | -                        | -                        | 305.6m             |
| 13    | 2                | 12M        | 95.1u           | 1.198m                   | -                        | 374.4m             |
| 14    | 3                | 11M        | 50.5u           | 1.061m                   | 1.307m                   | 377.5m             |
| 15    | 1                | 16M        | 85.9u           | -                        | -                        | 209.9m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_23

Number of Bursts in Trial: 10

Chrip Center Frequency: 5544MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 10M        | 76.3u           | 1.197m                   | -                        | 246.3m             |
| 2     | 3                | 18M        | 82.5u           | 1.841m                   | 1.747m                   | 960.3m             |
| 3     | 3                | 5M         | 88.7u           | 1.399m                   | 1.550m                   | 998.2m             |
| 4     | 2                | 11M        | 95.2u           | 1.820m                   | -                        | 1.189              |
| 5     | 1                | 18M        | 61.2u           | -                        | -                        | 1.111              |
| 6     | 1                | 7M         | 66.5u           | -                        | -                        | 774.2m             |
| 7     | 3                | 19M        | 73.4u           | 1.781m                   | 1.100m                   | 310.7m             |
| 8     | 2                | 16M        | 99.6u           | 1.743m                   | -                        | 273.9m             |
| 9     | 1                | 8M         | 70.0u           | -                        | -                        | 991.2m             |
| 10    | 2                | 12M        | 98.1u           | 1.640m                   | -                        | 1.021              |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_24<br>Number of Bursts in Trial: 9<br>Chrip Center Frequency: 5546MHz |                  |            |                 |                          |                          |                    |
|-----------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Burst                                                                                                                             | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                                                                                                                                 | 3                | 12M        | 82.5u           | 1.154m                   | 1.586m                   | 423.4m             |
| 2                                                                                                                                 | 3                | 13M        | 58.7u           | 989.3u                   | 1.035m                   | 832.9m             |
| 3                                                                                                                                 | 2                | 19M        | 52.0u           | 1.905m                   | -                        | 4.504m             |
| 4                                                                                                                                 | 2                | 11M        | 63.5u           | 1.886m                   | -                        | 1.086              |
| 5                                                                                                                                 | 2                | 6M         | 79.6u           | 1.629m                   | -                        | 41.52m             |
| 6                                                                                                                                 | 1                | 13M        | 84.9u           | -                        | -                        | 22.72m             |
| 7                                                                                                                                 | 3                | 7M         | 93.0u           | 1.322m                   | 1.504m                   | 394.0m             |
| 8                                                                                                                                 | 2                | 18M        | 98.3u           | 1.803m                   | -                        | 597.4m             |
| 9                                                                                                                                 | 1                | 15M        | 80.3u           | -                        | -                        | 860.4m             |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_25<br>Number of Bursts in Trial: 10<br>Chrip Center Frequency: 5548MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Burst                                                                                                                              | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                                                                                                                                  | 2                | 11M        | 68.6u           | 1.901m                   | -                        | 1.074              |
| 2                                                                                                                                  | 2                | 17M        | 57.0u           | 1.069m                   | -                        | 962.1m             |
| 3                                                                                                                                  | 1                | 9M         | 53.6u           | -                        | -                        | 919.9m             |
| 4                                                                                                                                  | 2                | 17M        | 64.9u           | 1.186m                   | -                        | 962.1m             |
| 5                                                                                                                                  | 1                | 7M         | 77.5u           | -                        | -                        | 978.8m             |
| 6                                                                                                                                  | 2                | 16M        | 77.2u           | 1.898m                   | -                        | 1.098              |
| 7                                                                                                                                  | 1                | 14M        | 73.4u           | -                        | -                        | 744.8m             |
| 8                                                                                                                                  | 2                | 18M        | 58.7u           | 978.3u                   | -                        | 951.5m             |
| 9                                                                                                                                  | 2                | 14M        | 70.3u           | 1.472m                   | -                        | 362.2m             |
| 10                                                                                                                                 | 2                | 19M        | 71.1u           | 1.687m                   | -                        | 805.1m             |

| Long Pulse Radar Test Signal<br>Test Signal Name: LP_Signal_26<br>Number of Bursts in Trial: 15<br>Chrip Center Frequency: 5550MHz |                  |            |                 |                          |                          |                    |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| Burst                                                                                                                              | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
| 1                                                                                                                                  | 1                | 11M        | 66.5u           | -                        | -                        | 402.1m             |
| 2                                                                                                                                  | 1                | 11M        | 63.0u           | -                        | -                        | 156.7m             |
| 3                                                                                                                                  | 2                | 11M        | 68.5u           | 1.342m                   | -                        | 328.1m             |
| 4                                                                                                                                  | 1                | 7M         | 61.7u           | -                        | -                        | 68.57m             |
| 5                                                                                                                                  | 2                | 13M        | 51.8u           | 1.831m                   | -                        | 36.73m             |
| 6                                                                                                                                  | 1                | 10M        | 53.1u           | -                        | -                        | 123.4m             |
| 7                                                                                                                                  | 2                | 14M        | 77.4u           | 1.511m                   | -                        | 561.9m             |
| 8                                                                                                                                  | 2                | 11M        | 51.0u           | 1.510m                   | -                        | 80.40m             |
| 9                                                                                                                                  | 3                | 12M        | 80.2u           | 1.631m                   | 1.817m                   | 220.6m             |
| 10                                                                                                                                 | 2                | 7M         | 77.8u           | 1.828m                   | -                        | 214.3m             |
| 11                                                                                                                                 | 3                | 17M        | 72.5u           | 1.760m                   | 1.092m                   | 694.6m             |
| 12                                                                                                                                 | 1                | 16M        | 50.7u           | -                        | -                        | 285.3m             |
| 13                                                                                                                                 | 1                | 14M        | 58.2u           | -                        | -                        | 654.0m             |
| 14                                                                                                                                 | 1                | 17M        | 96.9u           | -                        | -                        | 158.0m             |
| 15                                                                                                                                 | 2                | 13M        | 96.8u           | 1.814m                   | -                        | 341.2m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_27

Number of Bursts in Trial: 9

Chrip Center Frequency: 5552MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 16M        | 64.9u           | 1.838m                   | -                        | 177.6m             |
| 2     | 1                | 6M         | 52.2u           | -                        | -                        | 327.5m             |
| 3     | 3                | 13M        | 84.6u           | 1.116m                   | 1.009m                   | 368.0u             |
| 4     | 3                | 13M        | 91.1u           | 1.052m                   | 1.031m                   | 438.4m             |
| 5     | 3                | 9M         | 79.1u           | 1.581m                   | 1.074m                   | 1.050              |
| 6     | 2                | 6M         | 57.4u           | 1.311m                   | -                        | 571.5m             |
| 7     | 2                | 17M        | 52.1u           | 1.925m                   | -                        | 30.44m             |
| 8     | 1                | 9M         | 65.7u           | -                        | -                        | 42.00m             |
| 9     | 2                | 9M         | 73.6u           | 1.913m                   | -                        | 990.3m             |

# Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_28

Number of Bursts in Trial: 18

Chrip Center Frequency: 5554MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 9M         | 52.6u           | 1.612m                   | -                        | 491.4m             |
| 2     | 2                | 11M        | 60.0u           | 1.372m                   | -                        | 309.9m             |
| 3     | 2                | 16M        | 52.8u           | 1.406m                   | -                        | 228.2m             |
| 4     | 2                | 13M        | 52.8u           | 1.470m                   | -                        | 81.48m             |
| 5     | 2                | 15M        | 57.5u           | 1.294m                   | -                        | 87.39m             |
| 6     | 2                | 13M        | 74.0u           | 1.275m                   | -                        | 244.2m             |
| 7     | 1                | 7M         | 51.7u           | -                        | -                        | 466.1m             |
| 8     | 2                | 10M        | 84.8u           | 1.495m                   | -                        | 591.2m             |
| 9     | 2                | 6M         | 56.0u           | 1.105m                   | -                        | 5.730m             |
| 10    | 3                | 16M        | 68.0u           | 1.819m                   | 997.0u                   | 401.9m             |
| 11    | 1                | 12M        | 61.7u           | -                        | -                        | 612.1m             |
| 12    | 2                | 9M         | 83.5u           | 1.529m                   | -                        | 464.2m             |
| 13    | 3                | 5M         | 62.1u           | 1.446m                   | 1.708m                   | 172.7m             |
| 14    | 2                | 8M         | 68.9u           | 1.457m                   | -                        | 502.4m             |
| 15    | 2                | 7M         | 68.9u           | 1.019m                   | -                        | 64.78m             |
| 16    | 1                | 10M        | 61.2u           | -                        | -                        | 501.4m             |
| 17    | 3                | 8M         | 91.8u           | 1.226m                   | 1.668m                   | 529.6m             |
| 18    | 1                | 7M         | 91.6u           | -                        | -                        | 486.1m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_29

Number of Bursts in Trial: 12

Chrip Center Frequency: 5556MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 1                | 12M        | 93.2u           | -                        | -                        | 436.1m             |
| 2     | 2                | 10M        | 68.8u           | 1.329m                   | -                        | 634.4m             |
| 3     | 1                | 13M        | 50.9u           | -                        | -                        | 107.6m             |
| 4     | 3                | 10M        | 79.2u           | 1.349m                   | 1.890m                   | 270.3m             |
| 5     | 1                | 8M         | 74.0u           | -                        | -                        | 717.1m             |
| 6     | 2                | 10M        | 67.4u           | 1.372m                   | -                        | 199.5m             |
| 7     | 3                | 7M         | 50.8u           | 1.115m                   | 1.463m                   | 140.0m             |
| 8     | 3                | 16M        | 51.3u           | 1.934m                   | 1.795m                   | 737.4m             |
| 9     | 3                | 13M        | 90.5u           | 1.195m                   | 1.201m                   | 546.7m             |
| 10    | 2                | 15M        | 77.7u           | 1.574m                   | -                        | 576.8m             |
| 11    | 2                | 7M         | 51.4u           | 1.292m                   | -                        | 357.3m             |
| 12    | 1                | 13M        | 99.2u           | -                        | -                        | 72.15m             |

Long Pulse Radar Test Signal

Test Signal Name: LP\_Signal\_30

Number of Bursts in Trial: 9

Chrip Center Frequency: 5560MHz

| Burst | Pulses per Burst | Chrip (Hz) | Pulse Width (s) | Pulse 1 to 2 Spacing (s) | Pulse 2 to 3 Spacing (s) | Start Location (s) |
|-------|------------------|------------|-----------------|--------------------------|--------------------------|--------------------|
| 1     | 2                | 15M        | 86.5u           | 1.458m                   | -                        | 651.0m             |
| 2     | 3                | 8M         | 59.9u           | 1.346m                   | 1.360m                   | 457.7m             |
| 3     | 2                | 9M         | 68.9u           | 1.443m                   | -                        | 1.228              |
| 4     | 1                | 9M         | 83.3u           | -                        | -                        | 948.0m             |
| 5     | 2                | 10M        | 89.9u           | 1.563m                   | -                        | 1.122              |
| 6     | 1                | 8M         | 73.1u           | -                        | -                        | 638.5m             |
| 7     | 1                | 13M        | 85.5u           | -                        | -                        | 1.127              |
| 8     | 2                | 11M        | 78.3u           | 1.076m                   | -                        | 705.3m             |
| 9     | 2                | 9M         | 92.9u           | 1.217m                   | -                        | 1.024              |

# Type 6 Radar Statistical Performances

EUT Test Frequency: 5530MHz

| Trial # | Pulses per Burst | Pulse Width (s) | PRI (s) | Detection |
|---------|------------------|-----------------|---------|-----------|
| 1       | 9                | 1.0u            | 333.0u  | Yes       |
| 2       | 9                | 1.0u            | 333.0u  | Yes       |
| 3       | 9                | 1.0u            | 333.0u  | No        |
| 4       | 9                | 1.0u            | 333.0u  | Yes       |
| 5       | 9                | 1.0u            | 333.0u  | Yes       |
| 6       | 9                | 1.0u            | 333.0u  | Yes       |
| 7       | 9                | 1.0u            | 333.0u  | Yes       |
| 8       | 9                | 1.0u            | 333.0u  | No        |
| 9       | 9                | 1.0u            | 333.0u  | Yes       |
| 10      | 9                | 1.0u            | 333.0u  | Yes       |
| 11      | 9                | 1.0u            | 333.0u  | Yes       |
| 12      | 9                | 1.0u            | 333.0u  | Yes       |
| 13      | 9                | 1.0u            | 333.0u  | Yes       |
| 14      | 9                | 1.0u            | 333.0u  | Yes       |
| 15      | 9                | 1.0u            | 333.0u  | Yes       |
| 16      | 9                | 1.0u            | 333.0u  | Yes       |
| 17      | 9                | 1.0u            | 333.0u  | Yes       |
| 18      | 9                | 1.0u            | 333.0u  | Yes       |
| 19      | 9                | 1.0u            | 333.0u  | Yes       |
| 20      | 9                | 1.0u            | 333.0u  | Yes       |
| 21      | 9                | 1.0u            | 333.0u  | Yes       |
| 22      | 9                | 1.0u            | 333.0u  | Yes       |
| 23      | 9                | 1.0u            | 333.0u  | Yes       |
| 24      | 9                | 1.0u            | 333.0u  | Yes       |
| 25      | 9                | 1.0u            | 333.0u  | Yes       |
| 26      | 9                | 1.0u            | 333.0u  | Yes       |
| 27      | 9                | 1.0u            | 333.0u  | No        |
| 28      | 9                | 1.0u            | 333.0u  | Yes       |
| 29      | 9                | 1.0u            | 333.0u  | Yes       |
| 30      | 9                | 1.0u            | 333.0u  | Yes       |

Detection Rate: 90.0 %

| Type 6 Radar Statistical Performances |                                 |                        |
|---------------------------------------|---------------------------------|------------------------|
| Trial #                               | Hopping Frequency Sequence Name | Detection              |
| 1                                     | HOP_FREQ_SEQ_01                 | Yes                    |
| 2                                     | HOP_FREQ_SEQ_02                 | Yes                    |
| 3                                     | HOP_FREQ_SEQ_03                 | No                     |
| 4                                     | HOP_FREQ_SEQ_04                 | Yes                    |
| 5                                     | HOP_FREQ_SEQ_05                 | Yes                    |
| 6                                     | HOP_FREQ_SEQ_06                 | Yes                    |
| 7                                     | HOP_FREQ_SEQ_07                 | Yes                    |
| 8                                     | HOP_FREQ_SEQ_08                 | No                     |
| 9                                     | HOP_FREQ_SEQ_09                 | Yes                    |
| 10                                    | HOP_FREQ_SEQ_10                 | Yes                    |
| 11                                    | HOP_FREQ_SEQ_11                 | Yes                    |
| 12                                    | HOP_FREQ_SEQ_12                 | Yes                    |
| 13                                    | HOP_FREQ_SEQ_13                 | Yes                    |
| 14                                    | HOP_FREQ_SEQ_14                 | Yes                    |
| 15                                    | HOP_FREQ_SEQ_15                 | Yes                    |
| 16                                    | HOP_FREQ_SEQ_16                 | Yes                    |
| 17                                    | HOP_FREQ_SEQ_17                 | Yes                    |
| 18                                    | HOP_FREQ_SEQ_18                 | Yes                    |
| 19                                    | HOP_FREQ_SEQ_19                 | Yes                    |
| 20                                    | HOP_FREQ_SEQ_20                 | Yes                    |
| 21                                    | HOP_FREQ_SEQ_21                 | Yes                    |
| 22                                    | HOP_FREQ_SEQ_22                 | Yes                    |
| 23                                    | HOP_FREQ_SEQ_23                 | Yes                    |
| 24                                    | HOP_FREQ_SEQ_24                 | Yes                    |
| 25                                    | HOP_FREQ_SEQ_25                 | Yes                    |
| 26                                    | HOP_FREQ_SEQ_26                 | Yes                    |
| 27                                    | HOP_FREQ_SEQ_27                 | No                     |
| 28                                    | HOP_FREQ_SEQ_28                 | Yes                    |
| 29                                    | HOP_FREQ_SEQ_29                 | Yes                    |
| 30                                    | HOP_FREQ_SEQ_30                 | Yes                    |
|                                       |                                 | Detection Rate: 90.0 % |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_01 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.393G         | 2    | 5.555G         | 3    | 5.365G         | 4    | 5.531G         |
| 5                                                | 5.414G         | 6    | 5.467G         | 7    | 5.343G         | 8    | 5.349G         |
| 9                                                | 5.628G         | 10   | 5.546G         | 11   | 5.482G         | 12   | 5.640G         |
| 13                                               | 5.382G         | 14   | 5.581G         | 15   | 5.293G         | 16   | 5.381G         |
| 17                                               | 5.471G         | 18   | 5.525G         | 19   | 5.403G         | 20   | 5.637G         |
| 21                                               | 5.407G         | 22   | 5.326G         | 23   | 5.388G         | 24   | 5.544G         |
| 25                                               | 5.263G         | 26   | 5.255G         | 27   | 5.657G         | 28   | 5.511G         |
| 29                                               | 5.594G         | 30   | 5.705G         | 31   | 5.562G         | 32   | 5.579G         |
| 33                                               | 5.480G         | 34   | 5.366G         | 35   | 5.702G         | 36   | 5.370G         |
| 37                                               | 5.515G         | 38   | 5.535G         | 39   | 5.420G         | 40   | 5.457G         |
| 41                                               | 5.530G         | 42   | 5.258G         | 43   | 5.402G         | 44   | 5.659G         |
| 45                                               | 5.591G         | 46   | 5.436G         | 47   | 5.284G         | 48   | 5.621G         |
| 49                                               | 5.510G         | 50   | 5.340G         | 51   | 5.385G         | 52   | 5.548G         |
| 53                                               | 5.364G         | 54   | 5.526G         | 55   | 5.585G         | 56   | 5.529G         |
| 57                                               | 5.459G         | 58   | 5.309G         | 59   | 5.260G         | 60   | 5.636G         |
| 61                                               | 5.270G         | 62   | 5.613G         | 63   | 5.479G         | 64   | 5.684G         |
| 65                                               | 5.566G         | 66   | 5.512G         | 67   | 5.677G         | 68   | 5.587G         |
| 69                                               | 5.717G         | 70   | 5.477G         | 71   | 5.396G         | 72   | 5.339G         |
| 73                                               | 5.295G         | 74   | 5.406G         | 75   | 5.346G         | 76   | 5.341G         |
| 77                                               | 5.361G         | 78   | 5.466G         | 79   | 5.708G         | 80   | 5.401G         |
| 81                                               | 5.682G         | 82   | 5.665G         | 83   | 5.391G         | 84   | 5.715G         |
| 85                                               | 5.533G         | 86   | 5.528G         | 87   | 5.397G         | 88   | 5.670G         |
| 89                                               | 5.676G         | 90   | 5.266G         | 91   | 5.410G         | 92   | 5.567G         |
| 93                                               | 5.416G         | 94   | 5.575G         | 95   | 5.597G         | 96   | 5.322G         |
| 97                                               | 5.606G         | 98   | 5.622G         | 99   | 5.320G         | 100  | 5.712G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_02 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.324G         | 2    | 5.503G         | 3    | 5.289G         | 4    | 5.384G         |
| 5                                                | 5.611G         | 6    | 5.637G         | 7    | 5.387G         | 8    | 5.604G         |
| 9                                                | 5.575G         | 10   | 5.582G         | 11   | 5.440G         | 12   | 5.595G         |
| 13                                               | 5.723G         | 14   | 5.528G         | 15   | 5.427G         | 16   | 5.623G         |
| 17                                               | 5.633G         | 18   | 5.424G         | 19   | 5.502G         | 20   | 5.661G         |
| 21                                               | 5.443G         | 22   | 5.328G         | 23   | 5.356G         | 24   | 5.366G         |
| 25                                               | 5.685G         | 26   | 5.473G         | 27   | 5.597G         | 28   | 5.455G         |
| 29                                               | 5.278G         | 30   | 5.446G         | 31   | 5.696G         | 32   | 5.319G         |
| 33                                               | 5.509G         | 34   | 5.682G         | 35   | 5.271G         | 36   | 5.252G         |
| 37                                               | 5.543G         | 38   | 5.705G         | 39   | 5.371G         | 40   | 5.415G         |
| 41                                               | 5.320G         | 42   | 5.437G         | 43   | 5.351G         | 44   | 5.710G         |
| 45                                               | 5.416G         | 46   | 5.274G         | 47   | 5.607G         | 48   | 5.265G         |
| 49                                               | 5.469G         | 50   | 5.615G         | 51   | 5.404G         | 52   | 5.635G         |
| 53                                               | 5.669G         | 54   | 5.426G         | 55   | 5.435G         | 56   | 5.527G         |
| 57                                               | 5.513G         | 58   | 5.402G         | 59   | 5.323G         | 60   | 5.365G         |
| 61                                               | 5.681G         | 62   | 5.441G         | 63   | 5.521G         | 64   | 5.545G         |
| 65                                               | 5.386G         | 66   | 5.634G         | 67   | 5.672G         | 68   | 5.507G         |
| 69                                               | 5.456G         | 70   | 5.287G         | 71   | 5.472G         | 72   | 5.307G         |
| 73                                               | 5.266G         | 74   | 5.273G         | 75   | 5.420G         | 76   | 5.548G         |
| 77                                               | 5.646G         | 78   | 5.684G         | 79   | 5.510G         | 80   | 5.538G         |
| 81                                               | 5.335G         | 82   | 5.395G         | 83   | 5.300G         | 84   | 5.698G         |
| 85                                               | 5.651G         | 86   | 5.617G         | 87   | 5.569G         | 88   | 5.355G         |
| 89                                               | 5.656G         | 90   | 5.374G         | 91   | 5.467G         | 92   | 5.491G         |
| 93                                               | 5.425G         | 94   | 5.554G         | 95   | 5.368G         | 96   | 5.631G         |
| 97                                               | 5.482G         | 98   | 5.361G         | 99   | 5.674G         | 100  | 5.390G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_03 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.477G         | 2    | 5.584G         | 3    | 5.301G         | 4    | 5.387G         |
| 5                                                | 5.699G         | 6    | 5.610G         | 7    | 5.436G         | 8    | 5.701G         |
| 9                                                | 5.680G         | 10   | 5.618G         | 11   | 5.336G         | 12   | 5.445G         |
| 13                                               | 5.263G         | 14   | 5.712G         | 15   | 5.431G         | 16   | 5.578G         |
| 17                                               | 5.668G         | 18   | 5.303G         | 19   | 5.550G         | 20   | 5.539G         |
| 21                                               | 5.451G         | 22   | 5.505G         | 23   | 5.506G         | 24   | 5.693G         |
| 25                                               | 5.313G         | 26   | 5.535G         | 27   | 5.564G         | 28   | 5.476G         |
| 29                                               | 5.398G         | 30   | 5.328G         | 31   | 5.651G         | 32   | 5.339G         |
| 33                                               | 5.261G         | 34   | 5.305G         | 35   | 5.528G         | 36   | 5.290G         |
| 37                                               | 5.273G         | 38   | 5.619G         | 39   | 5.304G         | 40   | 5.466G         |
| 41                                               | 5.609G         | 42   | 5.596G         | 43   | 5.363G         | 44   | 5.705G         |
| 45                                               | 5.280G         | 46   | 5.400G         | 47   | 5.511G         | 48   | 5.714G         |
| 49                                               | 5.418G         | 50   | 5.684G         | 51   | 5.592G         | 52   | 5.595G         |
| 53                                               | 5.504G         | 54   | 5.636G         | 55   | 5.566G         | 56   | 5.268G         |
| 57                                               | 5.456G         | 58   | 5.532G         | 59   | 5.334G         | 60   | 5.358G         |
| 61                                               | 5.341G         | 62   | 5.513G         | 63   | 5.650G         | 64   | 5.364G         |
| 65                                               | 5.670G         | 66   | 5.710G         | 67   | 5.299G         | 68   | 5.297G         |
| 69                                               | 5.368G         | 70   | 5.633G         | 71   | 5.275G         | 72   | 5.420G         |
| 73                                               | 5.488G         | 74   | 5.423G         | 75   | 5.321G         | 76   | 5.585G         |
| 77                                               | 5.483G         | 78   | 5.457G         | 79   | 5.703G         | 80   | 5.497G         |
| 81                                               | 5.485G         | 82   | 5.346G         | 83   | 5.521G         | 84   | 5.464G         |
| 85                                               | 5.391G         | 86   | 5.531G         | 87   | 5.446G         | 88   | 5.473G         |
| 89                                               | 5.682G         | 90   | 5.281G         | 91   | 5.270G         | 92   | 5.658G         |
| 93                                               | 5.367G         | 94   | 5.405G         | 95   | 5.276G         | 96   | 5.673G         |
| 97                                               | 5.277G         | 98   | 5.333G         | 99   | 5.459G         | 100  | 5.601G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_04 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.637G         | 2    | 5.325G         | 3    | 5.468G         | 4    | 5.598G         |
| 5                                                | 5.326G         | 6    | 5.632G         | 7    | 5.437G         | 8    | 5.676G         |
| 9                                                | 5.261G         | 10   | 5.456G         | 11   | 5.296G         | 12   | 5.276G         |
| 13                                               | 5.715G         | 14   | 5.695G         | 15   | 5.518G         | 16   | 5.298G         |
| 17                                               | 5.687G         | 18   | 5.673G         | 19   | 5.525G         | 20   | 5.609G         |
| 21                                               | 5.709G         | 22   | 5.493G         | 23   | 5.349G         | 24   | 5.506G         |
| 25                                               | 5.426G         | 26   | 5.663G         | 27   | 5.427G         | 28   | 5.625G         |
| 29                                               | 5.513G         | 30   | 5.404G         | 31   | 5.385G         | 32   | 5.323G         |
| 33                                               | 5.373G         | 34   | 5.569G         | 35   | 5.407G         | 36   | 5.594G         |
| 37                                               | 5.260G         | 38   | 5.576G         | 39   | 5.622G         | 40   | 5.716G         |
| 41                                               | 5.662G         | 42   | 5.318G         | 43   | 5.606G         | 44   | 5.702G         |
| 45                                               | 5.552G         | 46   | 5.655G         | 47   | 5.713G         | 48   | 5.512G         |
| 49                                               | 5.279G         | 50   | 5.372G         | 51   | 5.666G         | 52   | 5.494G         |
| 53                                               | 5.718G         | 54   | 5.264G         | 55   | 5.559G         | 56   | 5.689G         |
| 57                                               | 5.497G         | 58   | 5.671G         | 59   | 5.314G         | 60   | 5.429G         |
| 61                                               | 5.399G         | 62   | 5.450G         | 63   | 5.346G         | 64   | 5.299G         |
| 65                                               | 5.333G         | 66   | 5.618G         | 67   | 5.390G         | 68   | 5.696G         |
| 69                                               | 5.475G         | 70   | 5.319G         | 71   | 5.420G         | 72   | 5.320G         |
| 73                                               | 5.523G         | 74   | 5.251G         | 75   | 5.685G         | 76   | 5.527G         |
| 77                                               | 5.596G         | 78   | 5.539G         | 79   | 5.677G         | 80   | 5.341G         |
| 81                                               | 5.563G         | 82   | 5.280G         | 83   | 5.607G         | 84   | 5.587G         |
| 85                                               | 5.459G         | 86   | 5.288G         | 87   | 5.316G         | 88   | 5.548G         |
| 89                                               | 5.644G         | 90   | 5.507G         | 91   | 5.541G         | 92   | 5.545G         |
| 93                                               | 5.445G         | 94   | 5.700G         | 95   | 5.568G         | 96   | 5.363G         |
| 97                                               | 5.482G         | 98   | 5.499G         | 99   | 5.267G         | 100  | 5.650G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_05 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.662G         | 2    | 5.508G         | 3    | 5.705G         | 4    | 5.479G         |
| 5                                                | 5.510G         | 6    | 5.568G         | 7    | 5.319G         | 8    | 5.554G         |
| 9                                                | 5.553G         | 10   | 5.337G         | 11   | 5.259G         | 12   | 5.299G         |
| 13                                               | 5.717G         | 14   | 5.443G         | 15   | 5.306G         | 16   | 5.493G         |
| 17                                               | 5.432G         | 18   | 5.530G         | 19   | 5.261G         | 20   | 5.716G         |
| 21                                               | 5.304G         | 22   | 5.615G         | 23   | 5.640G         | 24   | 5.536G         |
| 25                                               | 5.483G         | 26   | 5.655G         | 27   | 5.349G         | 28   | 5.278G         |
| 29                                               | 5.638G         | 30   | 5.253G         | 31   | 5.362G         | 32   | 5.320G         |
| 33                                               | 5.618G         | 34   | 5.377G         | 35   | 5.700G         | 36   | 5.613G         |
| 37                                               | 5.675G         | 38   | 5.577G         | 39   | 5.497G         | 40   | 5.369G         |
| 41                                               | 5.564G         | 42   | 5.252G         | 43   | 5.307G         | 44   | 5.609G         |
| 45                                               | 5.719G         | 46   | 5.255G         | 47   | 5.632G         | 48   | 5.566G         |
| 49                                               | 5.602G         | 50   | 5.578G         | 51   | 5.383G         | 52   | 5.572G         |
| 53                                               | 5.265G         | 54   | 5.310G         | 55   | 5.706G         | 56   | 5.340G         |
| 57                                               | 5.557G         | 58   | 5.309G         | 59   | 5.539G         | 60   | 5.317G         |
| 61                                               | 5.714G         | 62   | 5.296G         | 63   | 5.523G         | 64   | 5.399G         |
| 65                                               | 5.556G         | 66   | 5.403G         | 67   | 5.541G         | 68   | 5.324G         |
| 69                                               | 5.250G         | 70   | 5.266G         | 71   | 5.680G         | 72   | 5.560G         |
| 73                                               | 5.585G         | 74   | 5.581G         | 75   | 5.427G         | 76   | 5.308G         |
| 77                                               | 5.401G         | 78   | 5.358G         | 79   | 5.611G         | 80   | 5.656G         |
| 81                                               | 5.436G         | 82   | 5.448G         | 83   | 5.393G         | 84   | 5.573G         |
| 85                                               | 5.646G         | 86   | 5.318G         | 87   | 5.625G         | 88   | 5.600G         |
| 89                                               | 5.351G         | 90   | 5.538G         | 91   | 5.599G         | 92   | 5.626G         |
| 93                                               | 5.688G         | 94   | 5.516G         | 95   | 5.402G         | 96   | 5.381G         |
| 97                                               | 5.545G         | 98   | 5.328G         | 99   | 5.420G         | 100  | 5.654G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_06 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.449G         | 2    | 5.261G         | 3    | 5.578G         | 4    | 5.680G         |
| 5                                                | 5.699G         | 6    | 5.572G         | 7    | 5.693G         | 8    | 5.619G         |
| 9                                                | 5.601G         | 10   | 5.598G         | 11   | 5.430G         | 12   | 5.540G         |
| 13                                               | 5.316G         | 14   | 5.497G         | 15   | 5.678G         | 16   | 5.353G         |
| 17                                               | 5.640G         | 18   | 5.655G         | 19   | 5.274G         | 20   | 5.347G         |
| 21                                               | 5.509G         | 22   | 5.330G         | 23   | 5.419G         | 24   | 5.462G         |
| 25                                               | 5.405G         | 26   | 5.475G         | 27   | 5.716G         | 28   | 5.673G         |
| 29                                               | 5.551G         | 30   | 5.672G         | 31   | 5.413G         | 32   | 5.599G         |
| 33                                               | 5.366G         | 34   | 5.595G         | 35   | 5.414G         | 36   | 5.660G         |
| 37                                               | 5.416G         | 38   | 5.576G         | 39   | 5.402G         | 40   | 5.460G         |
| 41                                               | 5.398G         | 42   | 5.643G         | 43   | 5.715G         | 44   | 5.550G         |
| 45                                               | 5.517G         | 46   | 5.380G         | 47   | 5.483G         | 48   | 5.372G         |
| 49                                               | 5.318G         | 50   | 5.401G         | 51   | 5.670G         | 52   | 5.270G         |
| 53                                               | 5.637G         | 54   | 5.700G         | 55   | 5.420G         | 56   | 5.711G         |
| 57                                               | 5.627G         | 58   | 5.307G         | 59   | 5.527G         | 60   | 5.295G         |
| 61                                               | 5.638G         | 62   | 5.258G         | 63   | 5.529G         | 64   | 5.698G         |
| 65                                               | 5.659G         | 66   | 5.662G         | 67   | 5.343G         | 68   | 5.722G         |
| 69                                               | 5.546G         | 70   | 5.618G         | 71   | 5.518G         | 72   | 5.324G         |
| 73                                               | 5.596G         | 74   | 5.639G         | 75   | 5.471G         | 76   | 5.440G         |
| 77                                               | 5.652G         | 78   | 5.387G         | 79   | 5.364G         | 80   | 5.254G         |
| 81                                               | 5.724G         | 82   | 5.663G         | 83   | 5.681G         | 84   | 5.260G         |
| 85                                               | 5.352G         | 86   | 5.713G         | 87   | 5.442G         | 88   | 5.501G         |
| 89                                               | 5.377G         | 90   | 5.368G         | 91   | 5.493G         | 92   | 5.624G         |
| 93                                               | 5.444G         | 94   | 5.425G         | 95   | 5.469G         | 96   | 5.649G         |
| 97                                               | 5.351G         | 98   | 5.415G         | 99   | 5.492G         | 100  | 5.675G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_07 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.448G         | 2    | 5.436G         | 3    | 5.572G         | 4    | 5.263G         |
| 5                                                | 5.508G         | 6    | 5.462G         | 7    | 5.303G         | 8    | 5.392G         |
| 9                                                | 5.640G         | 10   | 5.425G         | 11   | 5.382G         | 12   | 5.697G         |
| 13                                               | 5.638G         | 14   | 5.317G         | 15   | 5.285G         | 16   | 5.370G         |
| 17                                               | 5.353G         | 18   | 5.460G         | 19   | 5.672G         | 20   | 5.686G         |
| 21                                               | 5.564G         | 22   | 5.555G         | 23   | 5.453G         | 24   | 5.266G         |
| 25                                               | 5.258G         | 26   | 5.443G         | 27   | 5.651G         | 28   | 5.702G         |
| 29                                               | 5.325G         | 30   | 5.360G         | 31   | 5.264G         | 32   | 5.692G         |
| 33                                               | 5.371G         | 34   | 5.433G         | 35   | 5.505G         | 36   | 5.414G         |
| 37                                               | 5.608G         | 38   | 5.568G         | 39   | 5.710G         | 40   | 5.459G         |
| 41                                               | 5.279G         | 42   | 5.315G         | 43   | 5.272G         | 44   | 5.410G         |
| 45                                               | 5.637G         | 46   | 5.261G         | 47   | 5.625G         | 48   | 5.714G         |
| 49                                               | 5.461G         | 50   | 5.585G         | 51   | 5.259G         | 52   | 5.471G         |
| 53                                               | 5.687G         | 54   | 5.379G         | 55   | 5.355G         | 56   | 5.282G         |
| 57                                               | 5.539G         | 58   | 5.416G         | 59   | 5.499G         | 60   | 5.395G         |
| 61                                               | 5.664G         | 62   | 5.605G         | 63   | 5.326G         | 64   | 5.506G         |
| 65                                               | 5.549G         | 66   | 5.319G         | 67   | 5.480G         | 68   | 5.404G         |
| 69                                               | 5.536G         | 70   | 5.556G         | 71   | 5.526G         | 72   | 5.680G         |
| 73                                               | 5.401G         | 74   | 5.454G         | 75   | 5.331G         | 76   | 5.610G         |
| 77                                               | 5.498G         | 78   | 5.583G         | 79   | 5.348G         | 80   | 5.271G         |
| 81                                               | 5.309G         | 82   | 5.635G         | 83   | 5.493G         | 84   | 5.466G         |
| 85                                               | 5.601G         | 86   | 5.606G         | 87   | 5.349G         | 88   | 5.304G         |
| 89                                               | 5.354G         | 90   | 5.587G         | 91   | 5.704G         | 92   | 5.618G         |
| 93                                               | 5.675G         | 94   | 5.305G         | 95   | 5.481G         | 96   | 5.336G         |
| 97                                               | 5.278G         | 98   | 5.703G         | 99   | 5.442G         | 100  | 5.723G         |

Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_08

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.308G         | 2    | 5.283G         | 3    | 5.468G         | 4    | 5.266G         |
| 5    | 5.507G         | 6    | 5.495G         | 7    | 5.365G         | 8    | 5.604G         |
| 9    | 5.285G         | 10   | 5.508G         | 11   | 5.318G         | 12   | 5.471G         |
| 13   | 5.592G         | 14   | 5.280G         | 15   | 5.629G         | 16   | 5.703G         |
| 17   | 5.351G         | 18   | 5.641G         | 19   | 5.591G         | 20   | 5.663G         |
| 21   | 5.610G         | 22   | 5.373G         | 23   | 5.678G         | 24   | 5.532G         |
| 25   | 5.274G         | 26   | 5.544G         | 27   | 5.358G         | 28   | 5.594G         |
| 29   | 5.676G         | 30   | 5.413G         | 31   | 5.695G         | 32   | 5.584G         |
| 33   | 5.257G         | 34   | 5.500G         | 35   | 5.288G         | 36   | 5.305G         |
| 37   | 5.459G         | 38   | 5.630G         | 39   | 5.622G         | 40   | 5.359G         |
| 41   | 5.621G         | 42   | 5.448G         | 43   | 5.470G         | 44   | 5.295G         |
| 45   | 5.480G         | 46   | 5.706G         | 47   | 5.397G         | 48   | 5.719G         |
| 49   | 5.431G         | 50   | 5.253G         | 51   | 5.411G         | 52   | 5.255G         |
| 53   | 5.590G         | 54   | 5.296G         | 55   | 5.575G         | 56   | 5.595G         |
| 57   | 5.686G         | 58   | 5.314G         | 59   | 5.424G         | 60   | 5.492G         |
| 61   | 5.338G         | 62   | 5.510G         | 63   | 5.620G         | 64   | 5.588G         |
| 65   | 5.264G         | 66   | 5.633G         | 67   | 5.444G         | 68   | 5.712G         |
| 69   | 5.315G         | 70   | 5.432G         | 71   | 5.600G         | 72   | 5.301G         |
| 73   | 5.702G         | 74   | 5.556G         | 75   | 5.525G         | 76   | 5.477G         |
| 77   | 5.412G         | 78   | 5.407G         | 79   | 5.668G         | 80   | 5.309G         |
| 81   | 5.398G         | 82   | 5.422G         | 83   | 5.404G         | 84   | 5.557G         |
| 85   | 5.392G         | 86   | 5.615G         | 87   | 5.534G         | 88   | 5.469G         |
| 89   | 5.409G         | 90   | 5.360G         | 91   | 5.713G         | 92   | 5.474G         |
| 93   | 5.423G         | 94   | 5.649G         | 95   | 5.504G         | 96   | 5.585G         |
| 97   | 5.560G         | 98   | 5.278G         | 99   | 5.325G         | 100  | 5.709G         |

Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_09

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.628G         | 2    | 5.481G         | 3    | 5.583G         | 4    | 5.647G         |
| 5    | 5.516G         | 6    | 5.369G         | 7    | 5.312G         | 8    | 5.507G         |
| 9    | 5.580G         | 10   | 5.509G         | 11   | 5.702G         | 12   | 5.530G         |
| 13   | 5.423G         | 14   | 5.377G         | 15   | 5.285G         | 16   | 5.543G         |
| 17   | 5.602G         | 18   | 5.420G         | 19   | 5.595G         | 20   | 5.589G         |
| 21   | 5.591G         | 22   | 5.319G         | 23   | 5.430G         | 24   | 5.464G         |
| 25   | 5.600G         | 26   | 5.522G         | 27   | 5.472G         | 28   | 5.344G         |
| 29   | 5.553G         | 30   | 5.450G         | 31   | 5.634G         | 32   | 5.700G         |
| 33   | 5.511G         | 34   | 5.719G         | 35   | 5.635G         | 36   | 5.457G         |
| 37   | 5.680G         | 38   | 5.331G         | 39   | 5.360G         | 40   | 5.587G         |
| 41   | 5.462G         | 42   | 5.281G         | 43   | 5.411G         | 44   | 5.564G         |
| 45   | 5.480G         | 46   | 5.712G         | 47   | 5.631G         | 48   | 5.534G         |
| 49   | 5.609G         | 50   | 5.399G         | 51   | 5.330G         | 52   | 5.620G         |
| 53   | 5.623G         | 54   | 5.313G         | 55   | 5.389G         | 56   | 5.437G         |
| 57   | 5.271G         | 58   | 5.471G         | 59   | 5.488G         | 60   | 5.639G         |
| 61   | 5.718G         | 62   | 5.339G         | 63   | 5.451G         | 64   | 5.407G         |
| 65   | 5.556G         | 66   | 5.370G         | 67   | 5.657G         | 68   | 5.277G         |
| 69   | 5.710G         | 70   | 5.352G         | 71   | 5.317G         | 72   | 5.425G         |
| 73   | 5.287G         | 74   | 5.468G         | 75   | 5.267G         | 76   | 5.409G         |
| 77   | 5.696G         | 78   | 5.554G         | 79   | 5.253G         | 80   | 5.671G         |
| 81   | 5.365G         | 82   | 5.263G         | 83   | 5.574G         | 84   | 5.624G         |
| 85   | 5.309G         | 86   | 5.491G         | 87   | 5.284G         | 88   | 5.563G         |
| 89   | 5.678G         | 90   | 5.477G         | 91   | 5.643G         | 92   | 5.492G         |
| 93   | 5.345G         | 94   | 5.519G         | 95   | 5.685G         | 96   | 5.637G         |
| 97   | 5.592G         | 98   | 5.367G         | 99   | 5.715G         | 100  | 5.638G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_10 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.651G         | 2    | 5.542G         | 3    | 5.607G         | 4    | 5.713G         |
| 5                                                | 5.487G         | 6    | 5.560G         | 7    | 5.634G         | 8    | 5.509G         |
| 9                                                | 5.563G         | 10   | 5.510G         | 11   | 5.482G         | 12   | 5.536G         |
| 13                                               | 5.677G         | 14   | 5.433G         | 15   | 5.519G         | 16   | 5.432G         |
| 17                                               | 5.637G         | 18   | 5.497G         | 19   | 5.685G         | 20   | 5.575G         |
| 21                                               | 5.686G         | 22   | 5.632G         | 23   | 5.466G         | 24   | 5.594G         |
| 25                                               | 5.620G         | 26   | 5.624G         | 27   | 5.349G         | 28   | 5.401G         |
| 29                                               | 5.381G         | 30   | 5.559G         | 31   | 5.373G         | 32   | 5.454G         |
| 33                                               | 5.355G         | 34   | 5.275G         | 35   | 5.448G         | 36   | 5.389G         |
| 37                                               | 5.710G         | 38   | 5.321G         | 39   | 5.602G         | 40   | 5.576G         |
| 41                                               | 5.270G         | 42   | 5.262G         | 43   | 5.699G         | 44   | 5.581G         |
| 45                                               | 5.273G         | 46   | 5.453G         | 47   | 5.494G         | 48   | 5.449G         |
| 49                                               | 5.511G         | 50   | 5.475G         | 51   | 5.610G         | 52   | 5.527G         |
| 53                                               | 5.328G         | 54   | 5.645G         | 55   | 5.720G         | 56   | 5.425G         |
| 57                                               | 5.647G         | 58   | 5.261G         | 59   | 5.656G         | 60   | 5.398G         |
| 61                                               | 5.438G         | 62   | 5.721G         | 63   | 5.665G         | 64   | 5.455G         |
| 65                                               | 5.378G         | 66   | 5.589G         | 67   | 5.606G         | 68   | 5.317G         |
| 69                                               | 5.388G         | 70   | 5.353G         | 71   | 5.456G         | 72   | 5.630G         |
| 73                                               | 5.605G         | 74   | 5.698G         | 75   | 5.711G         | 76   | 5.679G         |
| 77                                               | 5.302G         | 78   | 5.385G         | 79   | 5.314G         | 80   | 5.675G         |
| 81                                               | 5.580G         | 82   | 5.520G         | 83   | 5.538G         | 84   | 5.535G         |
| 85                                               | 5.366G         | 86   | 5.613G         | 87   | 5.431G         | 88   | 5.676G         |
| 89                                               | 5.338G         | 90   | 5.659G         | 91   | 5.681G         | 92   | 5.709G         |
| 93                                               | 5.274G         | 94   | 5.693G         | 95   | 5.579G         | 96   | 5.319G         |
| 97                                               | 5.316G         | 98   | 5.444G         | 99   | 5.329G         | 100  | 5.558G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_11 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.520G         | 2    | 5.604G         | 3    | 5.602G         | 4    | 5.295G         |
| 5                                                | 5.567G         | 6    | 5.425G         | 7    | 5.498G         | 8    | 5.328G         |
| 9                                                | 5.712G         | 10   | 5.486G         | 11   | 5.369G         | 12   | 5.333G         |
| 13                                               | 5.481G         | 14   | 5.477G         | 15   | 5.284G         | 16   | 5.331G         |
| 17                                               | 5.268G         | 18   | 5.610G         | 19   | 5.434G         | 20   | 5.263G         |
| 21                                               | 5.580G         | 22   | 5.630G         | 23   | 5.616G         | 24   | 5.708G         |
| 25                                               | 5.464G         | 26   | 5.553G         | 27   | 5.535G         | 28   | 5.555G         |
| 29                                               | 5.643G         | 30   | 5.335G         | 31   | 5.398G         | 32   | 5.334G         |
| 33                                               | 5.468G         | 34   | 5.283G         | 35   | 5.606G         | 36   | 5.605G         |
| 37                                               | 5.669G         | 38   | 5.287G         | 39   | 5.341G         | 40   | 5.305G         |
| 41                                               | 5.674G         | 42   | 5.677G         | 43   | 5.299G         | 44   | 5.312G         |
| 45                                               | 5.680G         | 46   | 5.347G         | 47   | 5.594G         | 48   | 5.649G         |
| 49                                               | 5.497G         | 50   | 5.442G         | 51   | 5.479G         | 52   | 5.429G         |
| 53                                               | 5.597G         | 54   | 5.304G         | 55   | 5.291G         | 56   | 5.373G         |
| 57                                               | 5.321G         | 58   | 5.370G         | 59   | 5.463G         | 60   | 5.572G         |
| 61                                               | 5.350G         | 62   | 5.713G         | 63   | 5.539G         | 64   | 5.663G         |
| 65                                               | 5.635G         | 66   | 5.661G         | 67   | 5.702G         | 68   | 5.664G         |
| 69                                               | 5.430G         | 70   | 5.359G         | 71   | 5.285G         | 72   | 5.621G         |
| 73                                               | 5.316G         | 74   | 5.377G         | 75   | 5.358G         | 76   | 5.456G         |
| 77                                               | 5.656G         | 78   | 5.542G         | 79   | 5.710G         | 80   | 5.293G         |
| 81                                               | 5.416G         | 82   | 5.394G         | 83   | 5.551G         | 84   | 5.294G         |
| 85                                               | 5.566G         | 86   | 5.450G         | 87   | 5.279G         | 88   | 5.381G         |
| 89                                               | 5.485G         | 90   | 5.255G         | 91   | 5.611G         | 92   | 5.447G         |
| 93                                               | 5.432G         | 94   | 5.271G         | 95   | 5.403G         | 96   | 5.476G         |
| 97                                               | 5.537G         | 98   | 5.276G         | 99   | 5.688G         | 100  | 5.665G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_12 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.384G         | 2    | 5.529G         | 3    | 5.452G         | 4    | 5.458G         |
| 5                                                | 5.480G         | 6    | 5.664G         | 7    | 5.275G         | 8    | 5.400G         |
| 9                                                | 5.290G         | 10   | 5.494G         | 11   | 5.440G         | 12   | 5.324G         |
| 13                                               | 5.277G         | 14   | 5.558G         | 15   | 5.315G         | 16   | 5.438G         |
| 17                                               | 5.381G         | 18   | 5.411G         | 19   | 5.622G         | 20   | 5.602G         |
| 21                                               | 5.302G         | 22   | 5.596G         | 23   | 5.641G         | 24   | 5.327G         |
| 25                                               | 5.391G         | 26   | 5.471G         | 27   | 5.361G         | 28   | 5.716G         |
| 29                                               | 5.303G         | 30   | 5.453G         | 31   | 5.306G         | 32   | 5.338G         |
| 33                                               | 5.636G         | 34   | 5.513G         | 35   | 5.643G         | 36   | 5.294G         |
| 37                                               | 5.589G         | 38   | 5.659G         | 39   | 5.485G         | 40   | 5.593G         |
| 41                                               | 5.539G         | 42   | 5.487G         | 43   | 5.319G         | 44   | 5.661G         |
| 45                                               | 5.584G         | 46   | 5.371G         | 47   | 5.419G         | 48   | 5.316G         |
| 49                                               | 5.491G         | 50   | 5.445G         | 51   | 5.645G         | 52   | 5.251G         |
| 53                                               | 5.279G         | 54   | 5.597G         | 55   | 5.618G         | 56   | 5.341G         |
| 57                                               | 5.328G         | 58   | 5.336G         | 59   | 5.686G         | 60   | 5.546G         |
| 61                                               | 5.652G         | 62   | 5.289G         | 63   | 5.669G         | 64   | 5.500G         |
| 65                                               | 5.269G         | 66   | 5.299G         | 67   | 5.581G         | 68   | 5.441G         |
| 69                                               | 5.454G         | 70   | 5.396G         | 71   | 5.543G         | 72   | 5.695G         |
| 73                                               | 5.350G         | 74   | 5.477G         | 75   | 5.395G         | 76   | 5.538G         |
| 77                                               | 5.631G         | 78   | 5.700G         | 79   | 5.547G         | 80   | 5.357G         |
| 81                                               | 5.647G         | 82   | 5.387G         | 83   | 5.675G         | 84   | 5.376G         |
| 85                                               | 5.495G         | 86   | 5.293G         | 87   | 5.369G         | 88   | 5.427G         |
| 89                                               | 5.474G         | 90   | 5.259G         | 91   | 5.696G         | 92   | 5.380G         |
| 93                                               | 5.577G         | 94   | 5.372G         | 95   | 5.330G         | 96   | 5.505G         |
| 97                                               | 5.291G         | 98   | 5.478G         | 99   | 5.642G         | 100  | 5.576G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_13 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.698G         | 2    | 5.478G         | 3    | 5.598G         | 4    | 5.380G         |
| 5                                                | 5.302G         | 6    | 5.678G         | 7    | 5.496G         | 8    | 5.664G         |
| 9                                                | 5.351G         | 10   | 5.278G         | 11   | 5.482G         | 12   | 5.626G         |
| 13                                               | 5.627G         | 14   | 5.466G         | 15   | 5.717G         | 16   | 5.684G         |
| 17                                               | 5.414G         | 18   | 5.303G         | 19   | 5.643G         | 20   | 5.498G         |
| 21                                               | 5.384G         | 22   | 5.283G         | 23   | 5.307G         | 24   | 5.590G         |
| 25                                               | 5.421G         | 26   | 5.488G         | 27   | 5.454G         | 28   | 5.712G         |
| 29                                               | 5.607G         | 30   | 5.495G         | 31   | 5.395G         | 32   | 5.425G         |
| 33                                               | 5.600G         | 34   | 5.422G         | 35   | 5.721G         | 36   | 5.551G         |
| 37                                               | 5.387G         | 38   | 5.538G         | 39   | 5.603G         | 40   | 5.338G         |
| 41                                               | 5.706G         | 42   | 5.400G         | 43   | 5.624G         | 44   | 5.442G         |
| 45                                               | 5.693G         | 46   | 5.435G         | 47   | 5.559G         | 48   | 5.267G         |
| 49                                               | 5.491G         | 50   | 5.416G         | 51   | 5.720G         | 52   | 5.574G         |
| 53                                               | 5.708G         | 54   | 5.587G         | 55   | 5.656G         | 56   | 5.348G         |
| 57                                               | 5.558G         | 58   | 5.529G         | 59   | 5.695G         | 60   | 5.500G         |
| 61                                               | 5.285G         | 62   | 5.271G         | 63   | 5.374G         | 64   | 5.575G         |
| 65                                               | 5.683G         | 66   | 5.629G         | 67   | 5.415G         | 68   | 5.615G         |
| 69                                               | 5.612G         | 70   | 5.502G         | 71   | 5.701G         | 72   | 5.670G         |
| 73                                               | 5.381G         | 74   | 5.652G         | 75   | 5.611G         | 76   | 5.632G         |
| 77                                               | 5.679G         | 78   | 5.459G         | 79   | 5.263G         | 80   | 5.682G         |
| 81                                               | 5.424G         | 82   | 5.550G         | 83   | 5.517G         | 84   | 5.323G         |
| 85                                               | 5.579G         | 86   | 5.620G         | 87   | 5.318G         | 88   | 5.592G         |
| 89                                               | 5.480G         | 90   | 5.507G         | 91   | 5.335G         | 92   | 5.503G         |
| 93                                               | 5.360G         | 94   | 5.357G         | 95   | 5.658G         | 96   | 5.660G         |
| 97                                               | 5.311G         | 98   | 5.286G         | 99   | 5.567G         | 100  | 5.260G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_14 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.694G         | 2    | 5.279G         | 3    | 5.273G         | 4    | 5.264G         |
| 5                                                | 5.696G         | 6    | 5.394G         | 7    | 5.640G         | 8    | 5.577G         |
| 9                                                | 5.476G         | 10   | 5.634G         | 11   | 5.629G         | 12   | 5.617G         |
| 13                                               | 5.482G         | 14   | 5.605G         | 15   | 5.374G         | 16   | 5.688G         |
| 17                                               | 5.453G         | 18   | 5.559G         | 19   | 5.498G         | 20   | 5.503G         |
| 21                                               | 5.675G         | 22   | 5.283G         | 23   | 5.347G         | 24   | 5.313G         |
| 25                                               | 5.315G         | 26   | 5.697G         | 27   | 5.396G         | 28   | 5.328G         |
| 29                                               | 5.349G         | 30   | 5.468G         | 31   | 5.690G         | 32   | 5.595G         |
| 33                                               | 5.333G         | 34   | 5.422G         | 35   | 5.455G         | 36   | 5.702G         |
| 37                                               | 5.644G         | 38   | 5.671G         | 39   | 5.484G         | 40   | 5.686G         |
| 41                                               | 5.632G         | 42   | 5.719G         | 43   | 5.311G         | 44   | 5.253G         |
| 45                                               | 5.458G         | 46   | 5.462G         | 47   | 5.316G         | 48   | 5.590G         |
| 49                                               | 5.323G         | 50   | 5.539G         | 51   | 5.256G         | 52   | 5.423G         |
| 53                                               | 5.467G         | 54   | 5.584G         | 55   | 5.309G         | 56   | 5.428G         |
| 57                                               | 5.359G         | 58   | 5.586G         | 59   | 5.358G         | 60   | 5.680G         |
| 61                                               | 5.436G         | 62   | 5.611G         | 63   | 5.668G         | 64   | 5.592G         |
| 65                                               | 5.569G         | 66   | 5.576G         | 67   | 5.379G         | 68   | 5.566G         |
| 69                                               | 5.626G         | 70   | 5.301G         | 71   | 5.534G         | 72   | 5.581G         |
| 73                                               | 5.260G         | 74   | 5.512G         | 75   | 5.656G         | 76   | 5.693G         |
| 77                                               | 5.717G         | 78   | 5.261G         | 79   | 5.676G         | 80   | 5.454G         |
| 81                                               | 5.344G         | 82   | 5.343G         | 83   | 5.529G         | 84   | 5.679G         |
| 85                                               | 5.440G         | 86   | 5.317G         | 87   | 5.445G         | 88   | 5.425G         |
| 89                                               | 5.406G         | 90   | 5.294G         | 91   | 5.575G         | 92   | 5.658G         |
| 93                                               | 5.326G         | 94   | 5.446G         | 95   | 5.386G         | 96   | 5.607G         |
| 97                                               | 5.312G         | 98   | 5.289G         | 99   | 5.662G         | 100  | 5.390G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_15 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.404G         | 2    | 5.510G         | 3    | 5.331G         | 4    | 5.666G         |
| 5                                                | 5.480G         | 6    | 5.260G         | 7    | 5.614G         | 8    | 5.720G         |
| 9                                                | 5.513G         | 10   | 5.379G         | 11   | 5.318G         | 12   | 5.596G         |
| 13                                               | 5.297G         | 14   | 5.324G         | 15   | 5.467G         | 16   | 5.410G         |
| 17                                               | 5.558G         | 18   | 5.670G         | 19   | 5.465G         | 20   | 5.485G         |
| 21                                               | 5.555G         | 22   | 5.470G         | 23   | 5.341G         | 24   | 5.266G         |
| 25                                               | 5.499G         | 26   | 5.713G         | 27   | 5.512G         | 28   | 5.372G         |
| 29                                               | 5.368G         | 30   | 5.457G         | 31   | 5.692G         | 32   | 5.378G         |
| 33                                               | 5.684G         | 34   | 5.658G         | 35   | 5.647G         | 36   | 5.585G         |
| 37                                               | 5.532G         | 38   | 5.592G         | 39   | 5.488G         | 40   | 5.560G         |
| 41                                               | 5.688G         | 42   | 5.721G         | 43   | 5.327G         | 44   | 5.478G         |
| 45                                               | 5.699G         | 46   | 5.714G         | 47   | 5.544G         | 48   | 5.622G         |
| 49                                               | 5.346G         | 50   | 5.250G         | 51   | 5.381G         | 52   | 5.282G         |
| 53                                               | 5.335G         | 54   | 5.420G         | 55   | 5.673G         | 56   | 5.686G         |
| 57                                               | 5.263G         | 58   | 5.304G         | 59   | 5.548G         | 60   | 5.252G         |
| 61                                               | 5.689G         | 62   | 5.395G         | 63   | 5.409G         | 64   | 5.521G         |
| 65                                               | 5.481G         | 66   | 5.575G         | 67   | 5.441G         | 68   | 5.389G         |
| 69                                               | 5.376G         | 70   | 5.258G         | 71   | 5.610G         | 72   | 5.645G         |
| 73                                               | 5.296G         | 74   | 5.529G         | 75   | 5.320G         | 76   | 5.533G         |
| 77                                               | 5.476G         | 78   | 5.497G         | 79   | 5.447G         | 80   | 5.255G         |
| 81                                               | 5.632G         | 82   | 5.685G         | 83   | 5.299G         | 84   | 5.284G         |
| 85                                               | 5.275G         | 86   | 5.398G         | 87   | 5.542G         | 88   | 5.411G         |
| 89                                               | 5.574G         | 90   | 5.553G         | 91   | 5.332G         | 92   | 5.524G         |
| 93                                               | 5.576G         | 94   | 5.506G         | 95   | 5.310G         | 96   | 5.635G         |
| 97                                               | 5.691G         | 98   | 5.716G         | 99   | 5.615G         | 100  | 5.613G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_16 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.610G         | 2    | 5.359G         | 3    | 5.657G         | 4    | 5.616G         |
| 5                                                | 5.692G         | 6    | 5.425G         | 7    | 5.488G         | 8    | 5.708G         |
| 9                                                | 5.714G         | 10   | 5.464G         | 11   | 5.305G         | 12   | 5.549G         |
| 13                                               | 5.264G         | 14   | 5.405G         | 15   | 5.327G         | 16   | 5.572G         |
| 17                                               | 5.699G         | 18   | 5.254G         | 19   | 5.288G         | 20   | 5.499G         |
| 21                                               | 5.311G         | 22   | 5.664G         | 23   | 5.619G         | 24   | 5.358G         |
| 25                                               | 5.295G         | 26   | 5.267G         | 27   | 5.703G         | 28   | 5.477G         |
| 29                                               | 5.585G         | 30   | 5.303G         | 31   | 5.360G         | 32   | 5.517G         |
| 33                                               | 5.723G         | 34   | 5.522G         | 35   | 5.298G         | 36   | 5.313G         |
| 37                                               | 5.563G         | 38   | 5.621G         | 39   | 5.496G         | 40   | 5.687G         |
| 41                                               | 5.586G         | 42   | 5.651G         | 43   | 5.552G         | 44   | 5.250G         |
| 45                                               | 5.325G         | 46   | 5.635G         | 47   | 5.286G         | 48   | 5.686G         |
| 49                                               | 5.506G         | 50   | 5.605G         | 51   | 5.291G         | 52   | 5.306G         |
| 53                                               | 5.535G         | 54   | 5.457G         | 55   | 5.312G         | 56   | 5.627G         |
| 57                                               | 5.334G         | 58   | 5.382G         | 59   | 5.316G         | 60   | 5.318G         |
| 61                                               | 5.661G         | 62   | 5.547G         | 63   | 5.704G         | 64   | 5.702G         |
| 65                                               | 5.456G         | 66   | 5.510G         | 67   | 5.320G         | 68   | 5.370G         |
| 69                                               | 5.644G         | 70   | 5.548G         | 71   | 5.497G         | 72   | 5.502G         |
| 73                                               | 5.452G         | 74   | 5.709G         | 75   | 5.417G         | 76   | 5.406G         |
| 77                                               | 5.401G         | 78   | 5.588G         | 79   | 5.534G         | 80   | 5.622G         |
| 81                                               | 5.665G         | 82   | 5.566G         | 83   | 5.478G         | 84   | 5.513G         |
| 85                                               | 5.463G         | 86   | 5.710G         | 87   | 5.270G         | 88   | 5.594G         |
| 89                                               | 5.626G         | 90   | 5.527G         | 91   | 5.409G         | 92   | 5.330G         |
| 93                                               | 5.299G         | 94   | 5.413G         | 95   | 5.574G         | 96   | 5.712G         |
| 97                                               | 5.567G         | 98   | 5.446G         | 99   | 5.545G         | 100  | 5.263G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_17 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.385G         | 2    | 5.389G         | 3    | 5.678G         | 4    | 5.324G         |
| 5                                                | 5.452G         | 6    | 5.634G         | 7    | 5.351G         | 8    | 5.419G         |
| 9                                                | 5.511G         | 10   | 5.534G         | 11   | 5.661G         | 12   | 5.252G         |
| 13                                               | 5.637G         | 14   | 5.308G         | 15   | 5.469G         | 16   | 5.258G         |
| 17                                               | 5.530G         | 18   | 5.533G         | 19   | 5.345G         | 20   | 5.285G         |
| 21                                               | 5.702G         | 22   | 5.305G         | 23   | 5.312G         | 24   | 5.528G         |
| 25                                               | 5.488G         | 26   | 5.497G         | 27   | 5.684G         | 28   | 5.685G         |
| 29                                               | 5.598G         | 30   | 5.662G         | 31   | 5.421G         | 32   | 5.608G         |
| 33                                               | 5.516G         | 34   | 5.444G         | 35   | 5.397G         | 36   | 5.339G         |
| 37                                               | 5.621G         | 38   | 5.649G         | 39   | 5.526G         | 40   | 5.589G         |
| 41                                               | 5.479G         | 42   | 5.459G         | 43   | 5.261G         | 44   | 5.399G         |
| 45                                               | 5.372G         | 46   | 5.441G         | 47   | 5.253G         | 48   | 5.433G         |
| 49                                               | 5.424G         | 50   | 5.666G         | 51   | 5.381G         | 52   | 5.429G         |
| 53                                               | 5.294G         | 54   | 5.465G         | 55   | 5.504G         | 56   | 5.710G         |
| 57                                               | 5.568G         | 58   | 5.331G         | 59   | 5.711G         | 60   | 5.494G         |
| 61                                               | 5.716G         | 62   | 5.319G         | 63   | 5.505G         | 64   | 5.485G         |
| 65                                               | 5.267G         | 66   | 5.336G         | 67   | 5.383G         | 68   | 5.275G         |
| 69                                               | 5.518G         | 70   | 5.354G         | 71   | 5.343G         | 72   | 5.427G         |
| 73                                               | 5.264G         | 74   | 5.715G         | 75   | 5.510G         | 76   | 5.297G         |
| 77                                               | 5.611G         | 78   | 5.292G         | 79   | 5.581G         | 80   | 5.375G         |
| 81                                               | 5.446G         | 82   | 5.302G         | 83   | 5.371G         | 84   | 5.636G         |
| 85                                               | 5.288G         | 86   | 5.320G         | 87   | 5.557G         | 88   | 5.373G         |
| 89                                               | 5.386G         | 90   | 5.327G         | 91   | 5.357G         | 92   | 5.480G         |
| 93                                               | 5.654G         | 94   | 5.693G         | 95   | 5.541G         | 96   | 5.695G         |
| 97                                               | 5.387G         | 98   | 5.350G         | 99   | 5.304G         | 100  | 5.272G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_18 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.527G         | 2    | 5.719G         | 3    | 5.285G         | 4    | 5.696G         |
| 5                                                | 5.718G         | 6    | 5.671G         | 7    | 5.500G         | 8    | 5.252G         |
| 9                                                | 5.657G         | 10   | 5.629G         | 11   | 5.585G         | 12   | 5.564G         |
| 13                                               | 5.307G         | 14   | 5.542G         | 15   | 5.340G         | 16   | 5.258G         |
| 17                                               | 5.642G         | 18   | 5.360G         | 19   | 5.440G         | 20   | 5.383G         |
| 21                                               | 5.386G         | 22   | 5.634G         | 23   | 5.268G         | 24   | 5.720G         |
| 25                                               | 5.316G         | 26   | 5.313G         | 27   | 5.406G         | 28   | 5.471G         |
| 29                                               | 5.624G         | 30   | 5.558G         | 31   | 5.327G         | 32   | 5.475G         |
| 33                                               | 5.400G         | 34   | 5.614G         | 35   | 5.654G         | 36   | 5.370G         |
| 37                                               | 5.469G         | 38   | 5.618G         | 39   | 5.264G         | 40   | 5.496G         |
| 41                                               | 5.514G         | 42   | 5.670G         | 43   | 5.648G         | 44   | 5.701G         |
| 45                                               | 5.510G         | 46   | 5.461G         | 47   | 5.541G         | 48   | 5.250G         |
| 49                                               | 5.610G         | 50   | 5.594G         | 51   | 5.646G         | 52   | 5.336G         |
| 53                                               | 5.325G         | 54   | 5.389G         | 55   | 5.562G         | 56   | 5.358G         |
| 57                                               | 5.442G         | 58   | 5.596G         | 59   | 5.257G         | 60   | 5.398G         |
| 61                                               | 5.572G         | 62   | 5.506G         | 63   | 5.688G         | 64   | 5.708G         |
| 65                                               | 5.371G         | 66   | 5.548G         | 67   | 5.554G         | 68   | 5.530G         |
| 69                                               | 5.498G         | 70   | 5.663G         | 71   | 5.342G         | 72   | 5.365G         |
| 73                                               | 5.586G         | 74   | 5.414G         | 75   | 5.716G         | 76   | 5.627G         |
| 77                                               | 5.446G         | 78   | 5.343G         | 79   | 5.305G         | 80   | 5.628G         |
| 81                                               | 5.632G         | 82   | 5.668G         | 83   | 5.647G         | 84   | 5.532G         |
| 85                                               | 5.267G         | 86   | 5.409G         | 87   | 5.326G         | 88   | 5.704G         |
| 89                                               | 5.540G         | 90   | 5.455G         | 91   | 5.390G         | 92   | 5.494G         |
| 93                                               | 5.565G         | 94   | 5.411G         | 95   | 5.723G         | 96   | 5.538G         |
| 97                                               | 5.529G         | 98   | 5.296G         | 99   | 5.256G         | 100  | 5.280G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_19 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.334G         | 2    | 5.291G         | 3    | 5.586G         | 4    | 5.609G         |
| 5                                                | 5.438G         | 6    | 5.301G         | 7    | 5.422G         | 8    | 5.383G         |
| 9                                                | 5.256G         | 10   | 5.713G         | 11   | 5.643G         | 12   | 5.460G         |
| 13                                               | 5.555G         | 14   | 5.593G         | 15   | 5.700G         | 16   | 5.480G         |
| 17                                               | 5.251G         | 18   | 5.707G         | 19   | 5.326G         | 20   | 5.611G         |
| 21                                               | 5.353G         | 22   | 5.335G         | 23   | 5.694G         | 24   | 5.537G         |
| 25                                               | 5.458G         | 26   | 5.687G         | 27   | 5.346G         | 28   | 5.338G         |
| 29                                               | 5.414G         | 30   | 5.702G         | 31   | 5.430G         | 32   | 5.386G         |
| 33                                               | 5.486G         | 34   | 5.587G         | 35   | 5.333G         | 36   | 5.724G         |
| 37                                               | 5.285G         | 38   | 5.436G         | 39   | 5.396G         | 40   | 5.542G         |
| 41                                               | 5.433G         | 42   | 5.306G         | 43   | 5.704G         | 44   | 5.380G         |
| 45                                               | 5.384G         | 46   | 5.255G         | 47   | 5.496G         | 48   | 5.340G         |
| 49                                               | 5.605G         | 50   | 5.473G         | 51   | 5.416G         | 52   | 5.466G         |
| 53                                               | 5.610G         | 54   | 5.716G         | 55   | 5.527G         | 56   | 5.504G         |
| 57                                               | 5.685G         | 58   | 5.357G         | 59   | 5.370G         | 60   | 5.365G         |
| 61                                               | 5.699G         | 62   | 5.439G         | 63   | 5.567G         | 64   | 5.483G         |
| 65                                               | 5.269G         | 66   | 5.261G         | 67   | 5.404G         | 68   | 5.634G         |
| 69                                               | 5.389G         | 70   | 5.655G         | 71   | 5.459G         | 72   | 5.413G         |
| 73                                               | 5.391G         | 74   | 5.690G         | 75   | 5.632G         | 76   | 5.645G         |
| 77                                               | 5.465G         | 78   | 5.250G         | 79   | 5.666G         | 80   | 5.392G         |
| 81                                               | 5.472G         | 82   | 5.701G         | 83   | 5.319G         | 84   | 5.415G         |
| 85                                               | 5.451G         | 86   | 5.705G         | 87   | 5.288G         | 88   | 5.670G         |
| 89                                               | 5.583G         | 90   | 5.714G         | 91   | 5.622G         | 92   | 5.423G         |
| 93                                               | 5.624G         | 94   | 5.500G         | 95   | 5.358G         | 96   | 5.710G         |
| 97                                               | 5.703G         | 98   | 5.298G         | 99   | 5.420G         | 100  | 5.267G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_20 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.551G         | 2    | 5.321G         | 3    | 5.512G         | 4    | 5.476G         |
| 5                                                | 5.699G         | 6    | 5.425G         | 7    | 5.454G         | 8    | 5.358G         |
| 9                                                | 5.414G         | 10   | 5.697G         | 11   | 5.364G         | 12   | 5.267G         |
| 13                                               | 5.517G         | 14   | 5.305G         | 15   | 5.285G         | 16   | 5.492G         |
| 17                                               | 5.262G         | 18   | 5.363G         | 19   | 5.276G         | 20   | 5.537G         |
| 21                                               | 5.621G         | 22   | 5.549G         | 23   | 5.301G         | 24   | 5.428G         |
| 25                                               | 5.399G         | 26   | 5.485G         | 27   | 5.594G         | 28   | 5.643G         |
| 29                                               | 5.595G         | 30   | 5.434G         | 31   | 5.641G         | 32   | 5.313G         |
| 33                                               | 5.642G         | 34   | 5.664G         | 35   | 5.620G         | 36   | 5.268G         |
| 37                                               | 5.590G         | 38   | 5.426G         | 39   | 5.710G         | 40   | 5.259G         |
| 41                                               | 5.718G         | 42   | 5.474G         | 43   | 5.404G         | 44   | 5.593G         |
| 45                                               | 5.402G         | 46   | 5.495G         | 47   | 5.447G         | 48   | 5.644G         |
| 49                                               | 5.660G         | 50   | 5.683G         | 51   | 5.527G         | 52   | 5.572G         |
| 53                                               | 5.688G         | 54   | 5.449G         | 55   | 5.713G         | 56   | 5.279G         |
| 57                                               | 5.553G         | 58   | 5.493G         | 59   | 5.635G         | 60   | 5.578G         |
| 61                                               | 5.403G         | 62   | 5.336G         | 63   | 5.256G         | 64   | 5.374G         |
| 65                                               | 5.368G         | 66   | 5.326G         | 67   | 5.466G         | 68   | 5.451G         |
| 69                                               | 5.265G         | 70   | 5.366G         | 71   | 5.344G         | 72   | 5.513G         |
| 73                                               | 5.639G         | 74   | 5.340G         | 75   | 5.299G         | 76   | 5.694G         |
| 77                                               | 5.353G         | 78   | 5.564G         | 79   | 5.270G         | 80   | 5.281G         |
| 81                                               | 5.562G         | 82   | 5.544G         | 83   | 5.510G         | 84   | 5.338G         |
| 85                                               | 5.254G         | 86   | 5.263G         | 87   | 5.347G         | 88   | 5.622G         |
| 89                                               | 5.717G         | 90   | 5.329G         | 91   | 5.677G         | 92   | 5.487G         |
| 93                                               | 5.533G         | 94   | 5.682G         | 95   | 5.705G         | 96   | 5.518G         |
| 97                                               | 5.277G         | 98   | 5.667G         | 99   | 5.464G         | 100  | 5.441G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_21 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.358G         | 2    | 5.484G         | 3    | 5.337G         | 4    | 5.633G         |
| 5                                                | 5.692G         | 6    | 5.279G         | 7    | 5.520G         | 8    | 5.340G         |
| 9                                                | 5.611G         | 10   | 5.466G         | 11   | 5.599G         | 12   | 5.277G         |
| 13                                               | 5.610G         | 14   | 5.671G         | 15   | 5.675G         | 16   | 5.577G         |
| 17                                               | 5.608G         | 18   | 5.430G         | 19   | 5.626G         | 20   | 5.573G         |
| 21                                               | 5.387G         | 22   | 5.617G         | 23   | 5.282G         | 24   | 5.609G         |
| 25                                               | 5.698G         | 26   | 5.656G         | 27   | 5.384G         | 28   | 5.440G         |
| 29                                               | 5.558G         | 30   | 5.590G         | 31   | 5.352G         | 32   | 5.392G         |
| 33                                               | 5.582G         | 34   | 5.429G         | 35   | 5.515G         | 36   | 5.472G         |
| 37                                               | 5.388G         | 38   | 5.681G         | 39   | 5.424G         | 40   | 5.426G         |
| 41                                               | 5.674G         | 42   | 5.443G         | 43   | 5.719G         | 44   | 5.620G         |
| 45                                               | 5.299G         | 46   | 5.616G         | 47   | 5.569G         | 48   | 5.287G         |
| 49                                               | 5.265G         | 50   | 5.554G         | 51   | 5.664G         | 52   | 5.601G         |
| 53                                               | 5.482G         | 54   | 5.398G         | 55   | 5.365G         | 56   | 5.642G         |
| 57                                               | 5.714G         | 58   | 5.696G         | 59   | 5.446G         | 60   | 5.294G         |
| 61                                               | 5.444G         | 62   | 5.542G         | 63   | 5.397G         | 64   | 5.721G         |
| 65                                               | 5.560G         | 66   | 5.414G         | 67   | 5.701G         | 68   | 5.514G         |
| 69                                               | 5.268G         | 70   | 5.636G         | 71   | 5.689G         | 72   | 5.557G         |
| 73                                               | 5.510G         | 74   | 5.594G         | 75   | 5.604G         | 76   | 5.564G         |
| 77                                               | 5.257G         | 78   | 5.381G         | 79   | 5.587G         | 80   | 5.369G         |
| 81                                               | 5.668G         | 82   | 5.415G         | 83   | 5.703G         | 84   | 5.383G         |
| 85                                               | 5.585G         | 86   | 5.433G         | 87   | 5.417G         | 88   | 5.347G         |
| 89                                               | 5.368G         | 90   | 5.308G         | 91   | 5.521G         | 92   | 5.354G         |
| 93                                               | 5.531G         | 94   | 5.290G         | 95   | 5.360G         | 96   | 5.565G         |
| 97                                               | 5.649G         | 98   | 5.391G         | 99   | 5.305G         | 100  | 5.319G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_22 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.667G         | 2    | 5.543G         | 3    | 5.530G         | 4    | 5.595G         |
| 5                                                | 5.624G         | 6    | 5.437G         | 7    | 5.628G         | 8    | 5.533G         |
| 9                                                | 5.538G         | 10   | 5.425G         | 11   | 5.499G         | 12   | 5.623G         |
| 13                                               | 5.669G         | 14   | 5.268G         | 15   | 5.366G         | 16   | 5.355G         |
| 17                                               | 5.369G         | 18   | 5.553G         | 19   | 5.251G         | 20   | 5.400G         |
| 21                                               | 5.719G         | 22   | 5.347G         | 23   | 5.592G         | 24   | 5.383G         |
| 25                                               | 5.710G         | 26   | 5.398G         | 27   | 5.404G         | 28   | 5.706G         |
| 29                                               | 5.320G         | 30   | 5.278G         | 31   | 5.641G         | 32   | 5.513G         |
| 33                                               | 5.326G         | 34   | 5.537G         | 35   | 5.397G         | 36   | 5.700G         |
| 37                                               | 5.566G         | 38   | 5.306G         | 39   | 5.406G         | 40   | 5.309G         |
| 41                                               | 5.361G         | 42   | 5.455G         | 43   | 5.510G         | 44   | 5.378G         |
| 45                                               | 5.314G         | 46   | 5.465G         | 47   | 5.301G         | 48   | 5.454G         |
| 49                                               | 5.632G         | 50   | 5.402G         | 51   | 5.637G         | 52   | 5.373G         |
| 53                                               | 5.250G         | 54   | 5.578G         | 55   | 5.360G         | 56   | 5.391G         |
| 57                                               | 5.682G         | 58   | 5.650G         | 59   | 5.433G         | 60   | 5.444G         |
| 61                                               | 5.427G         | 62   | 5.639G         | 63   | 5.352G         | 64   | 5.479G         |
| 65                                               | 5.580G         | 66   | 5.671G         | 67   | 5.388G         | 68   | 5.313G         |
| 69                                               | 5.396G         | 70   | 5.713G         | 71   | 5.354G         | 72   | 5.634G         |
| 73                                               | 5.405G         | 74   | 5.293G         | 75   | 5.561G         | 76   | 5.422G         |
| 77                                               | 5.462G         | 78   | 5.385G         | 79   | 5.364G         | 80   | 5.317G         |
| 81                                               | 5.616G         | 82   | 5.686G         | 83   | 5.542G         | 84   | 5.416G         |
| 85                                               | 5.333G         | 86   | 5.631G         | 87   | 5.331G         | 88   | 5.606G         |
| 89                                               | 5.492G         | 90   | 5.393G         | 91   | 5.575G         | 92   | 5.610G         |
| 93                                               | 5.619G         | 94   | 5.335G         | 95   | 5.415G         | 96   | 5.692G         |
| 97                                               | 5.544G         | 98   | 5.327G         | 99   | 5.617G         | 100  | 5.648G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_23 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.412G         | 2    | 5.407G         | 3    | 5.435G         | 4    | 5.418G         |
| 5                                                | 5.409G         | 6    | 5.553G         | 7    | 5.611G         | 8    | 5.478G         |
| 9                                                | 5.559G         | 10   | 5.301G         | 11   | 5.402G         | 12   | 5.382G         |
| 13                                               | 5.508G         | 14   | 5.706G         | 15   | 5.422G         | 16   | 5.315G         |
| 17                                               | 5.655G         | 18   | 5.377G         | 19   | 5.709G         | 20   | 5.677G         |
| 21                                               | 5.493G         | 22   | 5.313G         | 23   | 5.446G         | 24   | 5.343G         |
| 25                                               | 5.285G         | 26   | 5.275G         | 27   | 5.703G         | 28   | 5.321G         |
| 29                                               | 5.597G         | 30   | 5.466G         | 31   | 5.555G         | 32   | 5.349G         |
| 33                                               | 5.464G         | 34   | 5.479G         | 35   | 5.659G         | 36   | 5.252G         |
| 37                                               | 5.558G         | 38   | 5.347G         | 39   | 5.512G         | 40   | 5.398G         |
| 41                                               | 5.338G         | 42   | 5.648G         | 43   | 5.345G         | 44   | 5.271G         |
| 45                                               | 5.681G         | 46   | 5.284G         | 47   | 5.615G         | 48   | 5.673G         |
| 49                                               | 5.326G         | 50   | 5.461G         | 51   | 5.426G         | 52   | 5.594G         |
| 53                                               | 5.309G         | 54   | 5.319G         | 55   | 5.403G         | 56   | 5.462G         |
| 57                                               | 5.380G         | 58   | 5.324G         | 59   | 5.290G         | 60   | 5.267G         |
| 61                                               | 5.441G         | 62   | 5.608G         | 63   | 5.576G         | 64   | 5.717G         |
| 65                                               | 5.484G         | 66   | 5.511G         | 67   | 5.640G         | 68   | 5.375G         |
| 69                                               | 5.451G         | 70   | 5.342G         | 71   | 5.722G         | 72   | 5.266G         |
| 73                                               | 5.362G         | 74   | 5.666G         | 75   | 5.724G         | 76   | 5.283G         |
| 77                                               | 5.623G         | 78   | 5.662G         | 79   | 5.416G         | 80   | 5.575G         |
| 81                                               | 5.372G         | 82   | 5.354G         | 83   | 5.357G         | 84   | 5.391G         |
| 85                                               | 5.713G         | 86   | 5.317G         | 87   | 5.381G         | 88   | 5.428G         |
| 89                                               | 5.376G         | 90   | 5.568G         | 91   | 5.369G         | 92   | 5.439G         |
| 93                                               | 5.639G         | 94   | 5.487G         | 95   | 5.396G         | 96   | 5.689G         |
| 97                                               | 5.642G         | 98   | 5.366G         | 99   | 5.482G         | 100  | 5.638G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_24 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.344G         | 2    | 5.355G         | 3    | 5.506G         | 4    | 5.486G         |
| 5                                                | 5.372G         | 6    | 5.357G         | 7    | 5.628G         | 8    | 5.305G         |
| 9                                                | 5.537G         | 10   | 5.350G         | 11   | 5.498G         | 12   | 5.277G         |
| 13                                               | 5.719G         | 14   | 5.462G         | 15   | 5.609G         | 16   | 5.463G         |
| 17                                               | 5.366G         | 18   | 5.673G         | 19   | 5.512G         | 20   | 5.407G         |
| 21                                               | 5.427G         | 22   | 5.282G         | 23   | 5.360G         | 24   | 5.301G         |
| 25                                               | 5.347G         | 26   | 5.578G         | 27   | 5.265G         | 28   | 5.293G         |
| 29                                               | 5.518G         | 30   | 5.499G         | 31   | 5.291G         | 32   | 5.513G         |
| 33                                               | 5.722G         | 34   | 5.685G         | 35   | 5.326G         | 36   | 5.393G         |
| 37                                               | 5.354G         | 38   | 5.388G         | 39   | 5.493G         | 40   | 5.292G         |
| 41                                               | 5.701G         | 42   | 5.507G         | 43   | 5.371G         | 44   | 5.586G         |
| 45                                               | 5.605G         | 46   | 5.621G         | 47   | 5.313G         | 48   | 5.336G         |
| 49                                               | 5.510G         | 50   | 5.476G         | 51   | 5.315G         | 52   | 5.556G         |
| 53                                               | 5.322G         | 54   | 5.713G         | 55   | 5.629G         | 56   | 5.593G         |
| 57                                               | 5.711G         | 58   | 5.643G         | 59   | 5.443G         | 60   | 5.258G         |
| 61                                               | 5.375G         | 62   | 5.359G         | 63   | 5.458G         | 64   | 5.594G         |
| 65                                               | 5.302G         | 66   | 5.721G         | 67   | 5.312G         | 68   | 5.430G         |
| 69                                               | 5.269G         | 70   | 5.267G         | 71   | 5.496G         | 72   | 5.617G         |
| 73                                               | 5.555G         | 74   | 5.418G         | 75   | 5.352G         | 76   | 5.399G         |
| 77                                               | 5.520G         | 78   | 5.343G         | 79   | 5.530G         | 80   | 5.681G         |
| 81                                               | 5.289G         | 82   | 5.616G         | 83   | 5.646G         | 84   | 5.690G         |
| 85                                               | 5.665G         | 86   | 5.649G         | 87   | 5.428G         | 88   | 5.479G         |
| 89                                               | 5.565G         | 90   | 5.582G         | 91   | 5.329G         | 92   | 5.638G         |
| 93                                               | 5.259G         | 94   | 5.272G         | 95   | 5.509G         | 96   | 5.387G         |
| 97                                               | 5.672G         | 98   | 5.704G         | 99   | 5.705G         | 100  | 5.494G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_25 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.474G         | 2    | 5.343G         | 3    | 5.526G         | 4    | 5.618G         |
| 5                                                | 5.558G         | 6    | 5.445G         | 7    | 5.376G         | 8    | 5.315G         |
| 9                                                | 5.617G         | 10   | 5.475G         | 11   | 5.659G         | 12   | 5.585G         |
| 13                                               | 5.724G         | 14   | 5.611G         | 15   | 5.350G         | 16   | 5.284G         |
| 17                                               | 5.299G         | 18   | 5.510G         | 19   | 5.584G         | 20   | 5.681G         |
| 21                                               | 5.599G         | 22   | 5.381G         | 23   | 5.297G         | 24   | 5.463G         |
| 25                                               | 5.436G         | 26   | 5.703G         | 27   | 5.389G         | 28   | 5.509G         |
| 29                                               | 5.506G         | 30   | 5.421G         | 31   | 5.572G         | 32   | 5.615G         |
| 33                                               | 5.289G         | 34   | 5.405G         | 35   | 5.656G         | 36   | 5.689G         |
| 37                                               | 5.688G         | 38   | 5.386G         | 39   | 5.697G         | 40   | 5.529G         |
| 41                                               | 5.269G         | 42   | 5.591G         | 43   | 5.254G         | 44   | 5.579G         |
| 45                                               | 5.710G         | 46   | 5.484G         | 47   | 5.511G         | 48   | 5.629G         |
| 49                                               | 5.325G         | 50   | 5.338G         | 51   | 5.367G         | 52   | 5.632G         |
| 53                                               | 5.649G         | 54   | 5.513G         | 55   | 5.355G         | 56   | 5.583G         |
| 57                                               | 5.434G         | 58   | 5.722G         | 59   | 5.313G         | 60   | 5.624G         |
| 61                                               | 5.371G         | 62   | 5.458G         | 63   | 5.586G         | 64   | 5.532G         |
| 65                                               | 5.485G         | 66   | 5.607G         | 67   | 5.667G         | 68   | 5.479G         |
| 69                                               | 5.517G         | 70   | 5.520G         | 71   | 5.354G         | 72   | 5.723G         |
| 73                                               | 5.466G         | 74   | 5.518G         | 75   | 5.403G         | 76   | 5.564G         |
| 77                                               | 5.633G         | 78   | 5.342G         | 79   | 5.307G         | 80   | 5.271G         |
| 81                                               | 5.335G         | 82   | 5.539G         | 83   | 5.275G         | 84   | 5.660G         |
| 85                                               | 5.653G         | 86   | 5.544G         | 87   | 5.394G         | 88   | 5.423G         |
| 89                                               | 5.634G         | 90   | 5.664G         | 91   | 5.550G         | 92   | 5.620G         |
| 93                                               | 5.272G         | 94   | 5.671G         | 95   | 5.375G         | 96   | 5.597G         |
| 97                                               | 5.560G         | 98   | 5.396G         | 99   | 5.361G         | 100  | 5.470G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_26 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.617G         | 2    | 5.547G         | 3    | 5.303G         | 4    | 5.521G         |
| 5                                                | 5.532G         | 6    | 5.454G         | 7    | 5.354G         | 8    | 5.268G         |
| 9                                                | 5.362G         | 10   | 5.336G         | 11   | 5.372G         | 12   | 5.285G         |
| 13                                               | 5.623G         | 14   | 5.597G         | 15   | 5.549G         | 16   | 5.677G         |
| 17                                               | 5.537G         | 18   | 5.666G         | 19   | 5.492G         | 20   | 5.659G         |
| 21                                               | 5.346G         | 22   | 5.267G         | 23   | 5.723G         | 24   | 5.564G         |
| 25                                               | 5.427G         | 26   | 5.543G         | 27   | 5.310G         | 28   | 5.673G         |
| 29                                               | 5.656G         | 30   | 5.582G         | 31   | 5.468G         | 32   | 5.288G         |
| 33                                               | 5.413G         | 34   | 5.465G         | 35   | 5.457G         | 36   | 5.724G         |
| 37                                               | 5.429G         | 38   | 5.337G         | 39   | 5.640G         | 40   | 5.322G         |
| 41                                               | 5.334G         | 42   | 5.687G         | 43   | 5.435G         | 44   | 5.282G         |
| 45                                               | 5.297G         | 46   | 5.550G         | 47   | 5.283G         | 48   | 5.348G         |
| 49                                               | 5.657G         | 50   | 5.387G         | 51   | 5.631G         | 52   | 5.486G         |
| 53                                               | 5.390G         | 54   | 5.678G         | 55   | 5.587G         | 56   | 5.351G         |
| 57                                               | 5.517G         | 58   | 5.583G         | 59   | 5.696G         | 60   | 5.287G         |
| 61                                               | 5.407G         | 62   | 5.608G         | 63   | 5.671G         | 64   | 5.445G         |
| 65                                               | 5.271G         | 66   | 5.394G         | 67   | 5.485G         | 68   | 5.446G         |
| 69                                               | 5.279G         | 70   | 5.621G         | 71   | 5.341G         | 72   | 5.514G         |
| 73                                               | 5.318G         | 74   | 5.408G         | 75   | 5.437G         | 76   | 5.456G         |
| 77                                               | 5.643G         | 78   | 5.693G         | 79   | 5.681G         | 80   | 5.257G         |
| 81                                               | 5.401G         | 82   | 5.393G         | 83   | 5.614G         | 84   | 5.533G         |
| 85                                               | 5.699G         | 86   | 5.620G         | 87   | 5.350G         | 88   | 5.720G         |
| 89                                               | 5.368G         | 90   | 5.609G         | 91   | 5.598G         | 92   | 5.538G         |
| 93                                               | 5.505G         | 94   | 5.498G         | 95   | 5.719G         | 96   | 5.516G         |
| 97                                               | 5.684G         | 98   | 5.645G         | 99   | 5.460G         | 100  | 5.309G         |



| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_27 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.252G         | 2    | 5.411G         | 3    | 5.333G         | 4    | 5.656G         |
| 5                                                | 5.593G         | 6    | 5.524G         | 7    | 5.257G         | 8    | 5.270G         |
| 9                                                | 5.380G         | 10   | 5.532G         | 11   | 5.376G         | 12   | 5.429G         |
| 13                                               | 5.278G         | 14   | 5.374G         | 15   | 5.453G         | 16   | 5.716G         |
| 17                                               | 5.560G         | 18   | 5.426G         | 19   | 5.514G         | 20   | 5.711G         |
| 21                                               | 5.315G         | 22   | 5.447G         | 23   | 5.403G         | 24   | 5.528G         |
| 25                                               | 5.534G         | 26   | 5.525G         | 27   | 5.424G         | 28   | 5.615G         |
| 29                                               | 5.479G         | 30   | 5.432G         | 31   | 5.536G         | 32   | 5.659G         |
| 33                                               | 5.482G         | 34   | 5.503G         | 35   | 5.358G         | 36   | 5.470G         |
| 37                                               | 5.576G         | 38   | 5.530G         | 39   | 5.433G         | 40   | 5.678G         |
| 41                                               | 5.585G         | 42   | 5.665G         | 43   | 5.391G         | 44   | 5.510G         |
| 45                                               | 5.449G         | 46   | 5.387G         | 47   | 5.624G         | 48   | 5.583G         |
| 49                                               | 5.283G         | 50   | 5.635G         | 51   | 5.507G         | 52   | 5.390G         |
| 53                                               | 5.370G         | 54   | 5.419G         | 55   | 5.251G         | 56   | 5.527G         |
| 57                                               | 5.496G         | 58   | 5.291G         | 59   | 5.294G         | 60   | 5.443G         |
| 61                                               | 5.616G         | 62   | 5.435G         | 63   | 5.540G         | 64   | 5.699G         |
| 65                                               | 5.709G         | 66   | 5.506G         | 67   | 5.280G         | 68   | 5.563G         |
| 69                                               | 5.493G         | 70   | 5.579G         | 71   | 5.360G         | 72   | 5.553G         |
| 73                                               | 5.431G         | 74   | 5.375G         | 75   | 5.701G         | 76   | 5.262G         |
| 77                                               | 5.599G         | 78   | 5.529G         | 79   | 5.693G         | 80   | 5.269G         |
| 81                                               | 5.652G         | 82   | 5.481G         | 83   | 5.523G         | 84   | 5.454G         |
| 85                                               | 5.359G         | 86   | 5.501G         | 87   | 5.346G         | 88   | 5.268G         |
| 89                                               | 5.303G         | 90   | 5.588G         | 91   | 5.710G         | 92   | 5.477G         |
| 93                                               | 5.264G         | 94   | 5.610G         | 95   | 5.675G         | 96   | 5.718G         |
| 97                                               | 5.255G         | 98   | 5.601G         | 99   | 5.312G         | 100  | 5.367G         |

Hopping Frequency Sequence Name: HOP\_FREQ\_SEQ\_28

| SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
|------|----------------|------|----------------|------|----------------|------|----------------|
| 1    | 5.473G         | 2    | 5.308G         | 3    | 5.549G         | 4    | 5.486G         |
| 5    | 5.345G         | 6    | 5.595G         | 7    | 5.651G         | 8    | 5.567G         |
| 9    | 5.259G         | 10   | 5.667G         | 11   | 5.670G         | 12   | 5.710G         |
| 13   | 5.458G         | 14   | 5.692G         | 15   | 5.329G         | 16   | 5.610G         |
| 17   | 5.699G         | 18   | 5.538G         | 19   | 5.532G         | 20   | 5.524G         |
| 21   | 5.545G         | 22   | 5.586G         | 23   | 5.256G         | 24   | 5.434G         |
| 25   | 5.480G         | 26   | 5.472G         | 27   | 5.298G         | 28   | 5.384G         |
| 29   | 5.262G         | 30   | 5.377G         | 31   | 5.454G         | 32   | 5.615G         |
| 33   | 5.718G         | 34   | 5.475G         | 35   | 5.621G         | 36   | 5.484G         |
| 37   | 5.507G         | 38   | 5.299G         | 39   | 5.324G         | 40   | 5.523G         |
| 41   | 5.562G         | 42   | 5.647G         | 43   | 5.393G         | 44   | 5.681G         |
| 45   | 5.365G         | 46   | 5.544G         | 47   | 5.419G         | 48   | 5.638G         |
| 49   | 5.310G         | 50   | 5.348G         | 51   | 5.596G         | 52   | 5.338G         |
| 53   | 5.632G         | 54   | 5.513G         | 55   | 5.530G         | 56   | 5.717G         |
| 57   | 5.293G         | 58   | 5.422G         | 59   | 5.448G         | 60   | 5.265G         |
| 61   | 5.450G         | 62   | 5.566G         | 63   | 5.270G         | 64   | 5.665G         |
| 65   | 5.305G         | 66   | 5.491G         | 67   | 5.295G         | 68   | 5.354G         |
| 69   | 5.515G         | 70   | 5.339G         | 71   | 5.250G         | 72   | 5.642G         |
| 73   | 5.522G         | 74   | 5.702G         | 75   | 5.349G         | 76   | 5.322G         |
| 77   | 5.656G         | 78   | 5.502G         | 79   | 5.671G         | 80   | 5.641G         |
| 81   | 5.290G         | 82   | 5.708G         | 83   | 5.289G         | 84   | 5.672G         |
| 85   | 5.620G         | 86   | 5.394G         | 87   | 5.373G         | 88   | 5.360G         |
| 89   | 5.468G         | 90   | 5.334G         | 91   | 5.361G         | 92   | 5.272G         |
| 93   | 5.358G         | 94   | 5.594G         | 95   | 5.504G         | 96   | 5.263G         |
| 97   | 5.646G         | 98   | 5.385G         | 99   | 5.356G         | 100  | 5.589G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_29 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.251G         | 2    | 5.353G         | 3    | 5.408G         | 4    | 5.270G         |
| 5                                                | 5.346G         | 6    | 5.381G         | 7    | 5.637G         | 8    | 5.537G         |
| 9                                                | 5.723G         | 10   | 5.722G         | 11   | 5.563G         | 12   | 5.686G         |
| 13                                               | 5.721G         | 14   | 5.359G         | 15   | 5.667G         | 16   | 5.677G         |
| 17                                               | 5.333G         | 18   | 5.433G         | 19   | 5.455G         | 20   | 5.289G         |
| 21                                               | 5.358G         | 22   | 5.318G         | 23   | 5.258G         | 24   | 5.342G         |
| 25                                               | 5.298G         | 26   | 5.439G         | 27   | 5.529G         | 28   | 5.611G         |
| 29                                               | 5.561G         | 30   | 5.469G         | 31   | 5.459G         | 32   | 5.553G         |
| 33                                               | 5.635G         | 34   | 5.451G         | 35   | 5.420G         | 36   | 5.254G         |
| 37                                               | 5.331G         | 38   | 5.630G         | 39   | 5.681G         | 40   | 5.339G         |
| 41                                               | 5.424G         | 42   | 5.581G         | 43   | 5.496G         | 44   | 5.398G         |
| 45                                               | 5.355G         | 46   | 5.277G         | 47   | 5.363G         | 48   | 5.539G         |
| 49                                               | 5.533G         | 50   | 5.350G         | 51   | 5.414G         | 52   | 5.613G         |
| 53                                               | 5.556G         | 54   | 5.250G         | 55   | 5.348G         | 56   | 5.583G         |
| 57                                               | 5.683G         | 58   | 5.664G         | 59   | 5.383G         | 60   | 5.493G         |
| 61                                               | 5.536G         | 62   | 5.614G         | 63   | 5.593G         | 64   | 5.443G         |
| 65                                               | 5.697G         | 66   | 5.509G         | 67   | 5.325G         | 68   | 5.513G         |
| 69                                               | 5.633G         | 70   | 5.410G         | 71   | 5.707G         | 72   | 5.655G         |
| 73                                               | 5.627G         | 74   | 5.596G         | 75   | 5.397G         | 76   | 5.456G         |
| 77                                               | 5.472G         | 78   | 5.545G         | 79   | 5.438G         | 80   | 5.488G         |
| 81                                               | 5.287G         | 82   | 5.302G         | 83   | 5.300G         | 84   | 5.484G         |
| 85                                               | 5.549G         | 86   | 5.466G         | 87   | 5.505G         | 88   | 5.471G         |
| 89                                               | 5.491G         | 90   | 5.544G         | 91   | 5.663G         | 92   | 5.713G         |
| 93                                               | 5.423G         | 94   | 5.518G         | 95   | 5.413G         | 96   | 5.506G         |
| 97                                               | 5.724G         | 98   | 5.494G         | 99   | 5.374G         | 100  | 5.269G         |

| Hopping Frequency Sequence Name: HOP_FREQ_SEQ_30 |                |      |                |      |                |      |                |
|--------------------------------------------------|----------------|------|----------------|------|----------------|------|----------------|
| SEQ#                                             | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) | SEQ# | Frequency (Hz) |
| 1                                                | 5.653G         | 2    | 5.651G         | 3    | 5.538G         | 4    | 5.509G         |
| 5                                                | 5.600G         | 6    | 5.355G         | 7    | 5.599G         | 8    | 5.310G         |
| 9                                                | 5.407G         | 10   | 5.637G         | 11   | 5.398G         | 12   | 5.306G         |
| 13                                               | 5.534G         | 14   | 5.349G         | 15   | 5.459G         | 16   | 5.620G         |
| 17                                               | 5.473G         | 18   | 5.437G         | 19   | 5.348G         | 20   | 5.320G         |
| 21                                               | 5.486G         | 22   | 5.479G         | 23   | 5.692G         | 24   | 5.461G         |
| 25                                               | 5.335G         | 26   | 5.540G         | 27   | 5.626G         | 28   | 5.722G         |
| 29                                               | 5.621G         | 30   | 5.719G         | 31   | 5.481G         | 32   | 5.379G         |
| 33                                               | 5.578G         | 34   | 5.589G         | 35   | 5.347G         | 36   | 5.390G         |
| 37                                               | 5.456G         | 38   | 5.698G         | 39   | 5.618G         | 40   | 5.341G         |
| 41                                               | 5.420G         | 42   | 5.458G         | 43   | 5.323G         | 44   | 5.272G         |
| 45                                               | 5.471G         | 46   | 5.502G         | 47   | 5.614G         | 48   | 5.315G         |
| 49                                               | 5.513G         | 50   | 5.396G         | 51   | 5.628G         | 52   | 5.387G         |
| 53                                               | 5.307G         | 54   | 5.656G         | 55   | 5.598G         | 56   | 5.448G         |
| 57                                               | 5.607G         | 58   | 5.495G         | 59   | 5.346G         | 60   | 5.300G         |
| 61                                               | 5.679G         | 62   | 5.450G         | 63   | 5.288G         | 64   | 5.680G         |
| 65                                               | 5.443G         | 66   | 5.667G         | 67   | 5.549G         | 68   | 5.281G         |
| 69                                               | 5.474G         | 70   | 5.367G         | 71   | 5.556G         | 72   | 5.321G         |
| 73                                               | 5.329G         | 74   | 5.609G         | 75   | 5.674G         | 76   | 5.377G         |
| 77                                               | 5.336G         | 78   | 5.491G         | 79   | 5.624G         | 80   | 5.576G         |
| 81                                               | 5.380G         | 82   | 5.666G         | 83   | 5.305G         | 84   | 5.442G         |
| 85                                               | 5.285G         | 86   | 5.529G         | 87   | 5.591G         | 88   | 5.282G         |
| 89                                               | 5.350G         | 90   | 5.492G         | 91   | 5.579G         | 92   | 5.585G         |
| 93                                               | 5.676G         | 94   | 5.482G         | 95   | 5.539G         | 96   | 5.309G         |
| 97                                               | 5.635G         | 98   | 5.402G         | 99   | 5.544G         | 100  | 5.382G         |

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