FCC PART 15.407

TEST REPORT

For

Compex Systems Pte Ltd

178 Paya Lebar Road #05-05 Singapore 409030

FCC ID: TK4WLW518H25

Report Type:	Product Name:
Original Report	WiFi 6 (802.11ax) 2×2 MU-MIMO Dual Band Module

Report Number:	RKSA240703001-00D
Report Date:	2025-02-27
Reviewed By:	Bard Liu
Approved By:	Kyle Xu
Test Laboratory:	Bay Area Compliance Laboratories Corp. (Kunshan) No.248 Chenghu Road, Kunshan, Jiangsu province, China Tel: +86-512-86175000 Fax: +86-512-88934268 www.baclcorp.com.cn

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REPORT REVISION HISTORY

Number of Revisions	Report No.	Version	Issue Date	Description
0	RKSA240703001-00D	R1V1	2025-02-27	Initial Release

GENERAL INFORMATION

Product Description for Equipment under Test (EUT)

Applicant:	Compex Systems Pte Ltd
Product Name:	WiFi 6 (802.11ax) 2×2 MU-MIMO Dual Band Module
Tested Model:	WLW518H25-V
Power Supply:	DC 3.3V
RF Function:	WIFI
Operating Frequency:	5G Wi-Fi B2: 5250-5350 MHz, B3: 5470-5725 MHz
Maximum Output Power:	Band 2: 802.11a: 16.78dBm 802.11ac160: 8.58 dBm 802.11ac20: 19.84 dBm 802.11ac40: 19.9 dBm 802.11ac80: 10.38 dBm 802.11ax160: 8.72 dBm 802.11ax20: 19.85 dBm 802.11ax40: 19.81 dBm 802.11ax80: 10.3 dBm Band 3: 802.11a: 16.94 dBm 802.11ac160: 7.78 dBm 802.11ac20: 20.62 dBm 802.11ac40: 20.92 dBm 802.11ac80: 20.73 dBm 802.11ax160: 7.85 dBm 802.11ax20: 20.87 dBm 802.11ax40: 20.93 dBm 802.11ax80: 20.32 dBm
Channel Number:	5G Wi-Fi B2: 8, B3: 22
Channel Separation:	802.11a/ac/n/ax20: 20 MHz, 802.11ac/n/ax40: 40 MHz, 802.11ac/ax80: 80 MHz 802.11ac/ax160: 160 MHz
Modulation Type:	OFDM, OFDMA
Antenna Type:	Omni antenna
★Maximum Antenna Gain:	7.0 dBi

Note: The maximum antenna gain was provided by the applicant.

All measurement and test data in this report was gathered from production sample serial number: RKSA240703001-2 (Assigned by the BACL (Kunshan). The EUT supplied by the applicant was received on 2024-03-25.)

Objective

This type approval report is prepared for *Compex Systems Pte Ltd.* in accordance with

This test report is in accordance with Part 2-Subpart J, Part 15-Subparts E of the Federal Communications Commission’ s rules.
The objective is to determine compliance with FCC Part 15, Subpart E, section 15.407 Dynamic Frequency Selection (DFS) for devices operating in the bands 5250-5350 MHz, 5470-5725 MHz.

Test Methodology

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02.
Each test item follows test standards and with no deviation.

Measurement Uncertainty

Item	Uncertainty
Occupied Bandwidth	0.5kHz
Temperature	1.0℃
Humidity	6%

Test Facility

The Test site used by Bay Area Compliance Laboratories Corp. (Kunshan) to collect test data is located on the No.248 Chenghu Road, Kunshan, Jiangsu Province, China.

Bay Area Compliance Laboratories Corp. (Kunshan) is accredited in accordance with ISO/IEC 17025:2017 by NVLAP (Lab code: 600338-0), and the lab has been recognized as the FCC accredited lab under the KDB 974614 D01, the FCC Designation No.: CN5055.

SYSTEM TEST CONFIGURATION

Description of Test Configuration

The EUT was configured for testing in an engineering mode which was provided by the manufacturer.

Equipment Modifications

No modifications were made to the EUT.

EUT Exercise Software

No exercise software was used to test.

The worst case was performed under:

Support Equipment List and Details

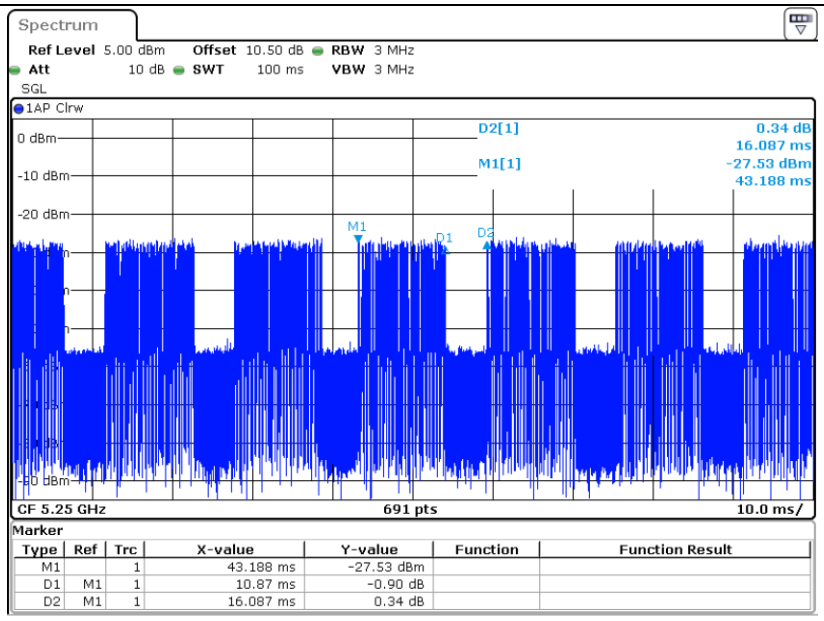
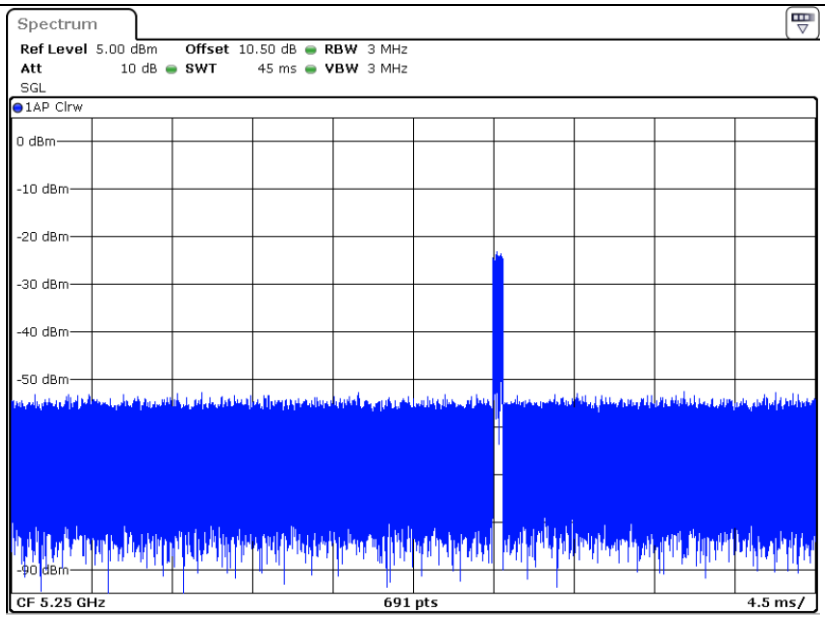
Manufacturer	Description	Model	Serial Number
HP	PC	HP 280 Pro G2 MT	/
Lenovo	PC	TIANYI510Pro-18ICB	M7094N11
Ruckus	Access Point (Bridge Mode)	T300 (FCC ID: S9GT300)	211404000213

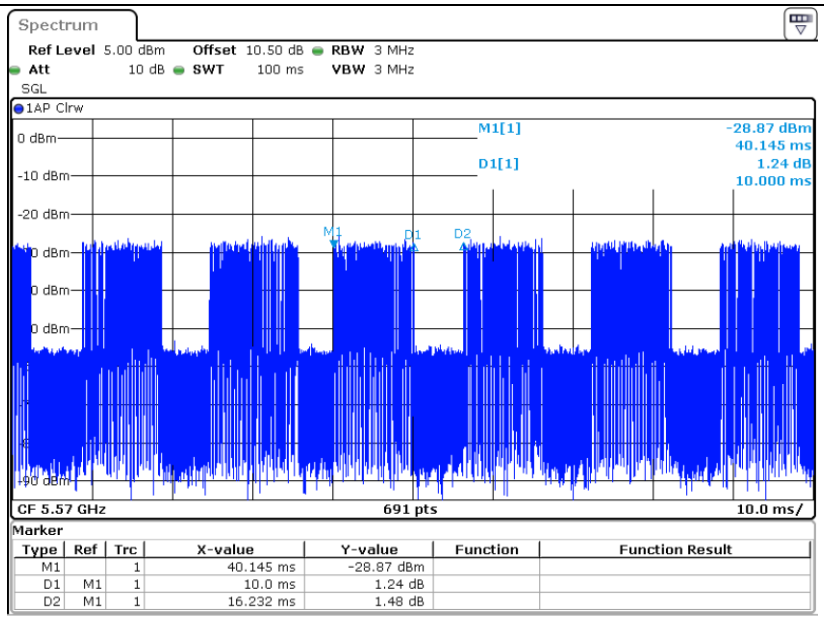
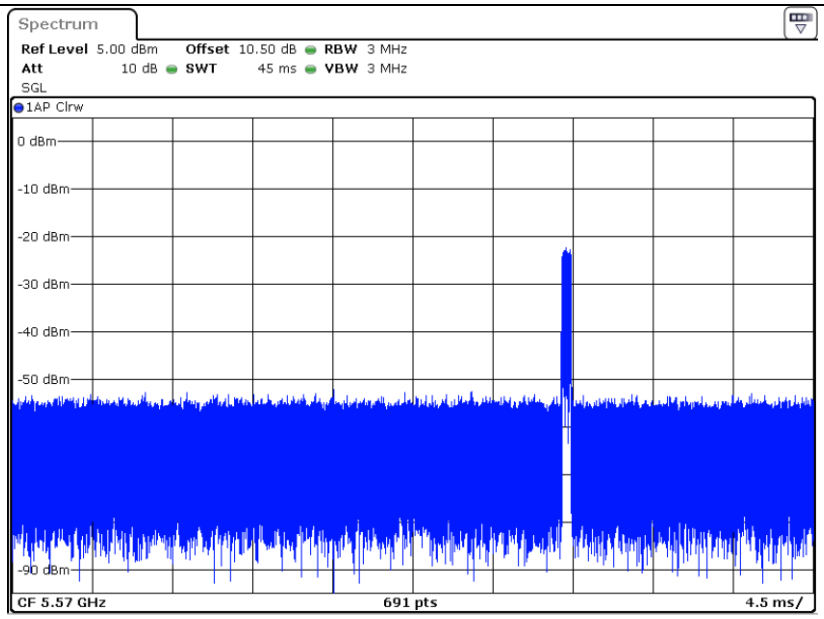
External I/O Cable

Cable Description	Length(m)	From Port	To Port
RS485 Serial Cable	1.5	Notebook	Debug Board
Dupont Thread	0.2	Debug Board	EUT

Description of Test Configuration

EUT Operation Mode:	The system was configured for testing in Putty, which was provided by the manufacturer.	
Equipment Modifications:	No	
Bandwidth	**Modes**	**Data Rate**
160 MHz	802.11ax hew 160	MCS0

160MHz mode Traffic Duty Cycle: (10.87*6)/100=65.22%	
160MHz mode Without Traffic	

160MHz mode Traffic Duty Cycle: (10*6)/100=60%	
160MHz mode Without Traffic	

SUMMARY OF TEST RESULTS

The following result table represents the list of measurements required under the CFR §47 Part 15.407(h), KDB: 905462 D02 UNII DFS Compliance Procedures New Rules v02

Description of Test		Result
DFS Detection Threshold		Compliant
Channel Availability Check Time	Initial Channel Availability Check Time (CAC)	Compliant
	Radar Burst at the Beginning of the CAC	Compliant
	Radar Burst at the End of the CAC	Compliant
Channel Move Time and Channel Closing Transmission Time		Compliant
Non-Occupancy Period		Compliant
U-NII Detection Bandwidth and Statistical Performance Check		Compliant

Test Equipment List and Details

Manufacturer	Description	Model	Serial Number	Calibration Date	Calibration Due Date
Rohde & Schwarz	SIGNAL ANALYZER	FSV40	101116	2024-04-24	2025-04-23
Keysight	VECTOR SIGNAL GENERATOR	N5182B	MY53051592	2024-04-24	2025-04-23
Tonscend Corporation	RF Control Unit	JS0806-2	JS0806001	2024-04-24	2025-04-23
Tonscend Corporation	RF Test System	JS1120-3	N/A	N/A	N/A

Statement of Traceability: Bay Area Compliance Laboratories Corp. (Kunshan) attests that all calibrations have been performed in accordance to requirements that traceable to National Primary Standards and International System of Units (SI).

DFS REQUIREMENT

Applicable Standard

CFR § 47 Part 15.407(h)

FCC KDB 905462 D02 UNII DFS Compliance Procedures New Rules v02

Table 1: Applicability of DFS Requirements Prior to Use of a Channel

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

Table 2: Applicability of DFS requirements during normal operation

Requirement	Operational Mode	
	Master Device or Client with Radar Detection	Client Without Radar Detection
DFS Detection Threshold	Yes	Not required
Channel Closing Transmission Time	Yes	Yes
Channel Move Time	Yes	Yes
U-NII Detection Bandwidth	Yes	Not required

Additional requirements for devices with multiple bandwidth modes	Master Device 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.		

Table 3: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the 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 4: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. 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.	

Table 5 – 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.					

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Types 2 through 4. If more than 30 waveforms are used for Short Pulse Radar Types 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms. If more than 30 waveforms are used for Short Pulse Radar Type 1, then each additional waveform is generated with Test B and must also be unique and not repeated from the previous waveforms in Tests A or B.

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 usec is selected, the number of pulses would be $\text{Roundup}\left\{\left(\frac{1}{360}\right)\cdot\left(\frac{19\cdot 10^6}{3066}\right)\right\} = \text{Roundup}\{17.2\} = 18.$

Table 5a - Pulse Repetition Intervals Values for Test A

Pulse Repetition Frequency Number	Pulse Repetition Frequency (Pulses Per Second)	Pulse Repetition Interval (Microseconds)
1	1930.5	518
2	1858.7	538
3	1792.1	558
4	1730.1	578
5	1672.2	598
6	1618.1	618
7	1567.4	638
8	1519.8	658
9	1474.9	678
10	1432.7	698
11	1392.8	718
12	1355	738
13	1319.3	758
14	1285.3	778
15	1253.1	798
16	1222.5	818
17	1193.3	838
18	1165.6	858
19	1139	878
20	1113.6	898
21	1089.3	918
22	1066.1	938
23	326.2	3066

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Types 1-4. For example, the following table indicates how to compute the aggregate of percentage of successful detections.

Radar Type	Number of Trials	Number of Successful Detections	Minimum Percentage of Successful Detection
1	35	29	82.9%
2	30	18	60%
3	30	27	90%
4	50	44	88%
Aggregate (82.9% + 60% + 90% + 88%)/4 = 80.2%			

Table 6 – Long Pulse Radar Test Waveform

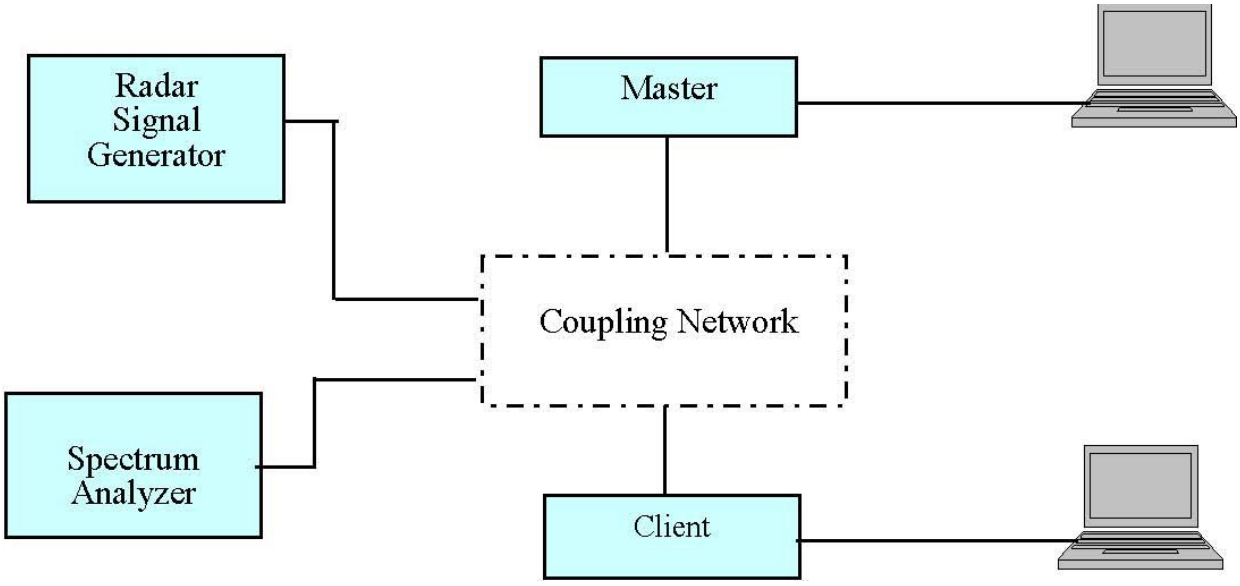
Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per *Burst*	Number of *Bursts*	Minimum Percentage of Successful Detection	Minimum Number of Trials
5	50-100	5-20	1000-2000	1-3	8-20	80%	30

Table 7 – Frequency Hopping Radar Test Waveform

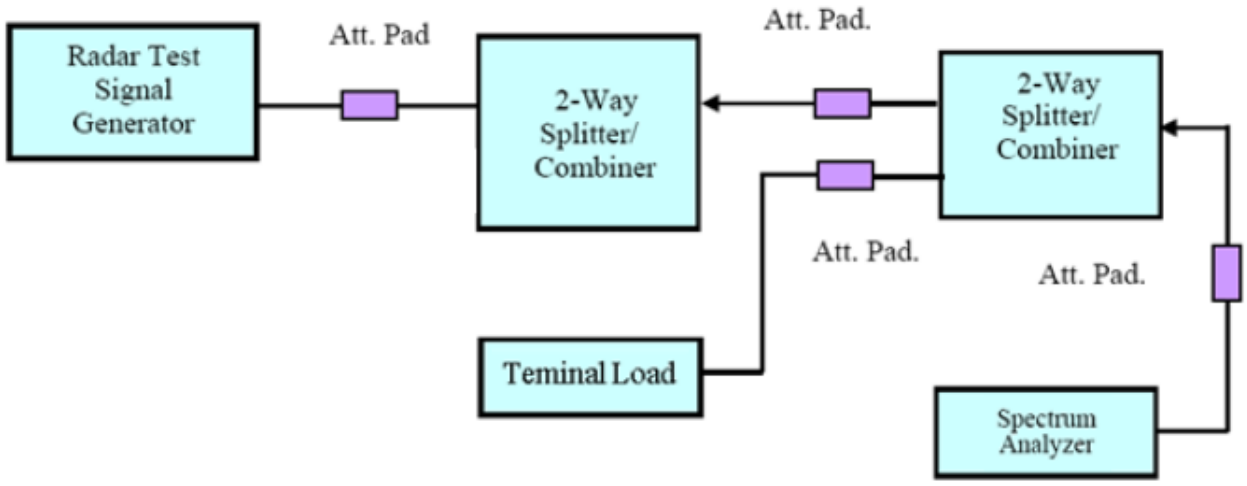
Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Minimum Percentage of Successful Detection	Minimum Number of Trials
6	1	333	9	0.333	300	70%	30

DFS MEASUREMENT SYSTEM BLOCK DIAGRAM

System Block Diagram

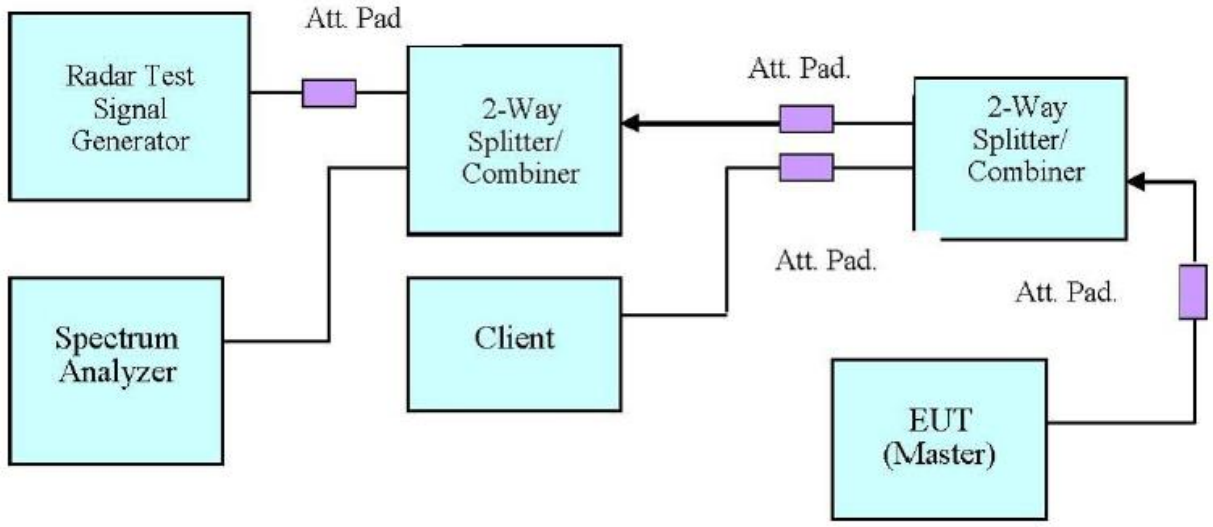


Radar Waveform Calibration

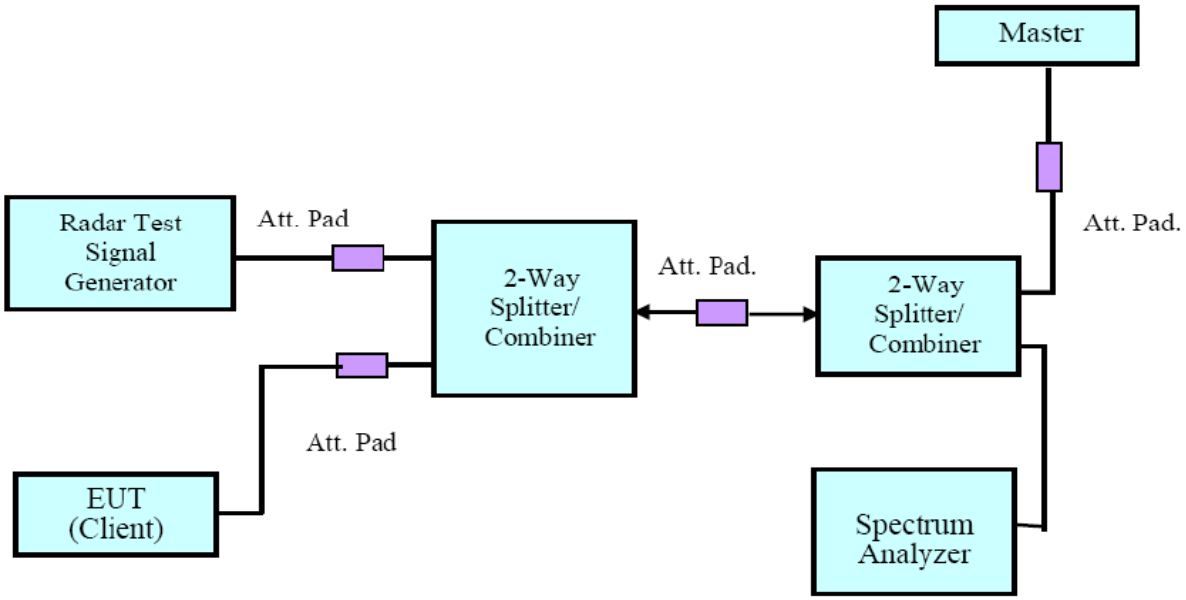


Conducted Method

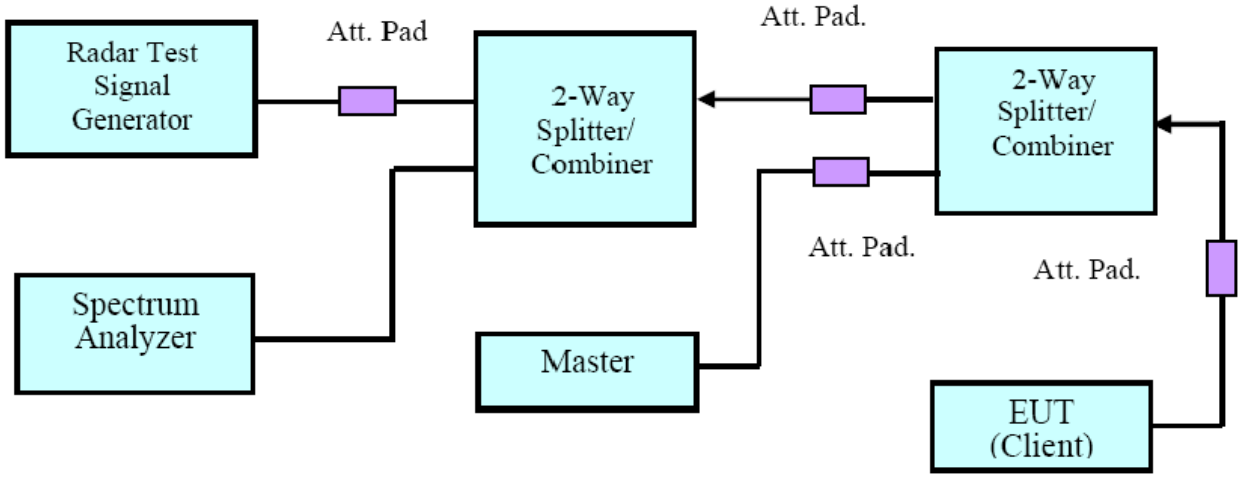
Setup for Master with injection at the Master



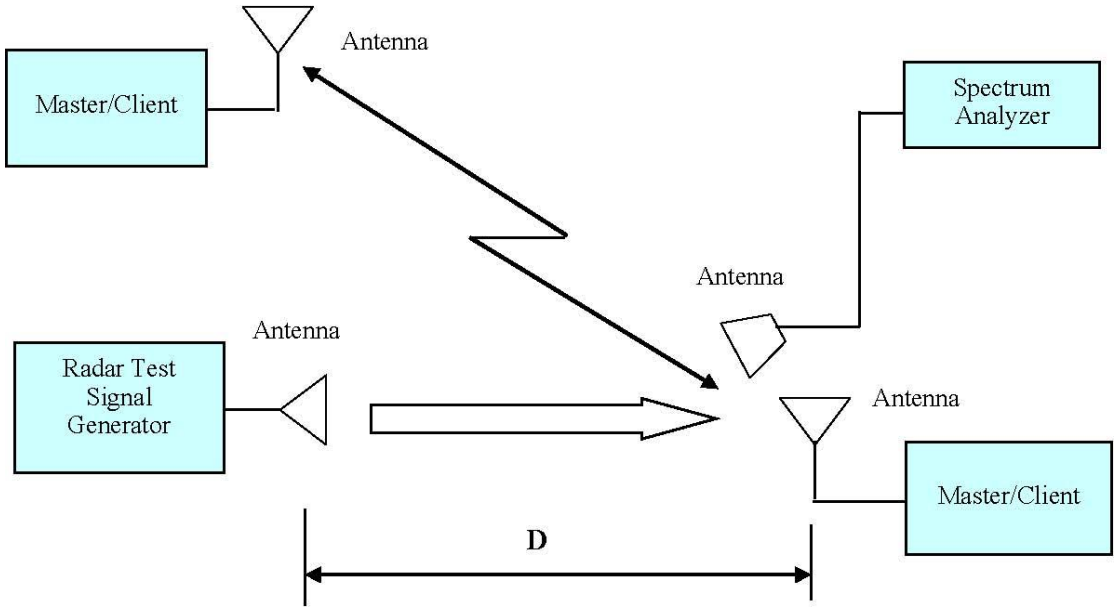
Setup for Client with injection at the Master



Setup for Client with injection at the Client



Radiated Method



DETECTION THRESHOLD

Applicable Standard

Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is −64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is −62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

Test Procedure

The sections below contain block diagrams that focus on the Radar Waveform injection path for each of the different conducted setups to be used. Each setup consists of a signal generator, analyzer (spectrum analyzer or vector signal analyzer), Master Device, Client Device, plus power combiner/splitters and attenuators. The Client Device is set up to Associate with the Master Device. The designation of the UUT (Master Device or Client Device) and the device into which the Radar Waveform is injected varies among the setups.

Other topologies may be used provided that: (1) the radar and UUT signals can be discriminated from each other on the analyzer and (2) the radar DFS Detection Threshold level at the UUT is stable.

To address point (1), for typical UUT power levels and typical minimum antenna gains, the topologies shown will result in the following relative amplitudes of each signal as displayed on the analyzer: the Radar Waveform level is the highest, the signal from the UUT is the next highest, while the signal from the device that is associated with the UUT is the lowest. Attenuator values may need to be adjusted for particular configurations.

To address point (2), the isolation characteristic between ports 1 and 2 of a power combiner/splitter are extremely sensitive to the impedance presented to the common port, while the insertion loss characteristic between the common port and (port 1, for example) are relatively insensitive to the impedance presented to (port 2, in this example). Thus, the isolation between ports 1 and 2 should never be part of the path that establishes the radar DFS Detection Threshold. The 10 dB attenuator after the signal generator is specified as a precaution; since many of the radar test waveforms will require typical signal generators to operate with their ALC turned off, the source match will generally be degraded from the closed loop specifications.

Test Data: See Appendix

CHANNEL AVAILABILITY CHECK TIME (CAC)

Applicable Standard

Channel Availability Check Time. A U-NII device shall check if there is a radar system already operating on the channel before it can initiate a transmission on a channel and when it has to move to a new channel. The U-NII device may start using the channel if no radar signal with a power level greater than the interference threshold values listed in paragraph (h)(2) of this section, is detected within 60 seconds.

Test Procedure

The Initial Channel Availability Check Time tests that the UUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel. This test does not use any Radar Waveforms and only needs to be performed one time.

a) The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the UUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.

b) The UUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

c) Confirm that the UUT initiates transmission on the channel.

This measurement can be used to determine the length of the power-on cycle if it is not supplied by the manufacturer. If the spectrum analyzer sweep is started at the same time the UUT is powered on and the UUT does not begin transmissions until it has completed the cycle, the power-on time can be determined by comparing the two times.

Radar Burst at the Beginning of the Channel Availability Check Time

The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.

a) The Radar Waveform generator and UUT are connected using the applicable test setup described in the sections on configuration for Conducted Tests (7.2) or Radiated Tests (7.3) and the power of the UUT is switched off.

b) The UUT is powered on at T0. T1 denotes the instant when the UUT has completed its power-up sequence (Tpower_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch_avail_check.

c) A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at T1. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

d) Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.

e) Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

Radar Burst at the End of the Channel Availability Check Time

The steps below define the procedure to verify successful radar detection on the test Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1dB occurs at the end of the Channel Availability Check Time.

a) The Radar Waveform generator and UUT are connected using the applicable test setup described in the sections for Conducted Tests (7.2) or Radiated Tests (7.3) and the power of the UUT is switched off.

b) The UUT is powered on at T0. T1 denotes the instant when the UUT has completed its power-up sequence (Tpower_up). The Channel Availability Check Time commences on Chr at instant T1 and will end no sooner than T1 + Tch_avail_check.

c) A single Burst of one of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at T1 + 54 seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

d) Visual indication or measured results on the UUT of successful detection of the radar Burst will be recorded and reported. Observation of Chr for UUT emissions will continue for 2.5 minutes after the radar Burst has been generated.

e) Verify that during the 2.5 minute measurement window no UUT transmissions occurred on Chr. The Channel Availability Check results will be recorded.

Test Data: See Appendix

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

Applicable Standard

Channel Move Time. After a radar's presence is detected, all transmissions shall cease on the operating channel within 10 seconds. Transmissions during this period shall consist of normal traffic for a maximum of 200 ms after detection of the radar signal. In addition, intermittent management and control signals can be sent during the remaining time to facilitate vacating the operating channel.

Test Procedure

The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

a) One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.

b) In case the UUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.

c) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.

d) At time T0 the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

e) Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs. Figure 17 illustrates Channel Closing Transmission Time.

f) When operating as a Master Device, monitor the UUT for more than 30 minutes following instant T2 to verify that the UUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.

g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

Test Data: See Appendix

NON-OCCUPANCY PERIOD

Applicable Standard

Non-occupancy Period. A channel that has been flagged as containing a radar system, either by a channel availability check or in-service monitoring, is subject to a non-occupancy period of at least 30 minutes. The non-occupancy period starts at the time when the radar system is detected.

Test Procedure

The steps below define the procedure to determine the above mentioned parameters when a radar Burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

a) One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.

b) In case the UUT is a U-NII device operating as a Client Device (with or without DFS), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.

c) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.

d) At time T0 the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

e) Observe the transmissions of the UUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the UUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs. Figure 17 illustrates Channel Closing Transmission Time.

f) When operating as a Master Device, monitor the UUT for more than 30 minutes following instant T2 to verify that the UUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.

g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

Test Data: See Appendix

U-NII DETECTION BANDWIDTH AND STATISTICAL PERFORMANCE CHECK

Applicable Standard

Radar Detection Function of Dynamic Frequency Selection (DFS). U-NII devices operating with any part of its 26 dB emission bandwidth in the 5.25-5.35 GHz and 5.47-5.725 GHz bands shall employ a DFS radar detection mechanism to detect the presence of radar systems and to avoid co-channel operation with radar systems. Operators shall only use equipment with a DFS mechanism that is turned on when operating in these bands. The device must sense for radar signals at 100 percent of its emission bandwidth. The minimum DFS detection threshold for devices with a maximum e.i.r.p. of 200 mW to 1 W is −64 dBm. For devices that operate with less than 200 mW e.i.r.p. and a power spectral density of less than 10 dBm in a 1 MHz band, the minimum detection threshold is −62 dBm. The detection threshold is the received power averaged over 1 microsecond referenced to a 0 dBi antenna. For the initial channel setting, the manufacturers shall be permitted to provide for either random channel selection or manual channel selection.

Test Procedure

The steps below define the procedure to determine the minimum percentage of successful detection requirements found in Tables 5-7 when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

a) One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.

b) In case the UUT is a U-NII device operating as a Client Device (with or without Radar Detection), a U-NII device operating as a Master Device will be used to allow the UUT (Client device) to Associate with the Master Device. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will Associate with the UUT (Master). In both cases for conducted tests, the Radar Waveform generator will be connected to the Master Device. For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.

c) Stream the channel loading test file from the Master Device to the Client Device on the test Channel for the entire period of the test.

d) At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6 in Tables 5-7, at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

e) Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Radar Type 0 to ensure detection occurs.

f) Observe the transmissions of the UUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.

g) In case the UUT is a U-NII device operating as a Client Device with In-Service Monitoring, perform steps a) to f).

Test Data: See Appendix

EUT PHOTOGRAPHS

Please refer to the attachment EXHIBIT A - EUT EXTERNAL PHOTOGRAPHS and EXHIBIT B_EUT INTERNAL PHOTOGRAPHS.

TEST SETUP PHOTOGRAPHS

Please refer to the attachment EXHIBIT E - TEST SETUP PHOTOGRAPHS.

APPENDIX - TEST DATA

Environmental Conditions & Test Information

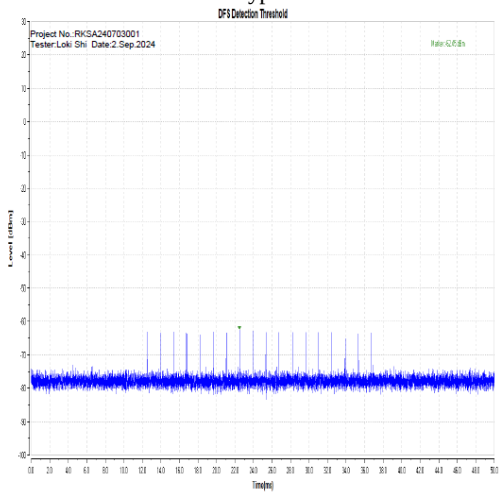
Test Item:	DFS Detection Threshold	Channel Availability Check Time	Channel Move Time and Channel Closing Transmission Time	Non-Occupancy Period	U-NII Detection Bandwidth and Statistical Performance Check	Duty Cycle
Temperature:	23.1-26.4 ℃	25.3℃	25.3℃	25.3℃	25.3℃	24.5℃
Relative Humidity:	47-55 %	47 %	47 %	47 %	47 %	48%
ATM Pressure:	100.8-103.1 kPa	100.8 kPa	100.8 kPa	100.8 kPa	100.8 kPa	101.2 kPa
Test Date:	2024-09-02 to 2025-02-07	2024-09-02	2024-09-02	2024-09-02	2024-09-02	2024-09-27
Test Engineer:	Loki Shi	Loki Shi	Loki Shi	Loki Shi	Loki Shi	Loki Shi

DFS Detection Thresholds

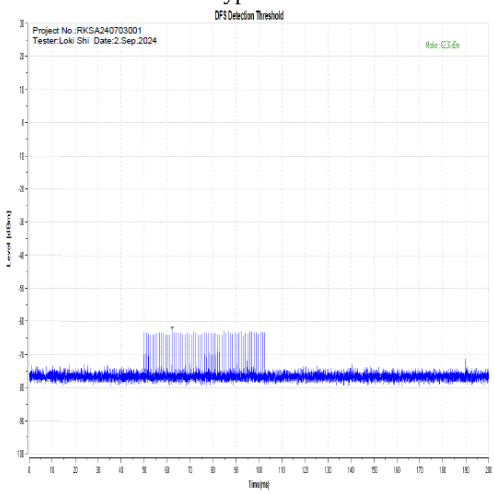
TestMode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11AX160SISO	5250	Type0	-62.45	-62.00	PASS
11AX160SISO	5250	Type1	-62.36	-62.00	PASS
11AX160SISO	5250	Type2	-62.25	-62.00	PASS
11AX160SISO	5250	Type3	-62.18	-62.00	PASS
11AX160SISO	5250	Type4	-62.11	-62.00	PASS
11AX160SISO	5250	Type5	-62.03	-62.00	PASS
11AX160SISO	5250	Type6	-62.29	-62.00	PASS
11AX160SISO	5570	Type0	-62.50	-62.00	PASS
11AX160SISO	5570	Type1	-62.07	-62.00	PASS
11AX160SISO	5570	Type2	-62.05	-62.00	PASS
11AX160SISO	5570	Type3	-62.23	-62.00	PASS
11AX160SISO	5570	Type4	-62.11	-62.00	PASS
11AX160SISO	5570	Type5	-62.30	-62.00	PASS
11AX160SISO	5570	Type6	-62.18	-62.00	PASS

5250 MHz Bandwidth 160MHz

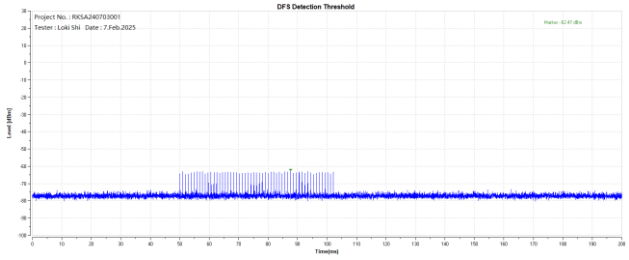
Type0



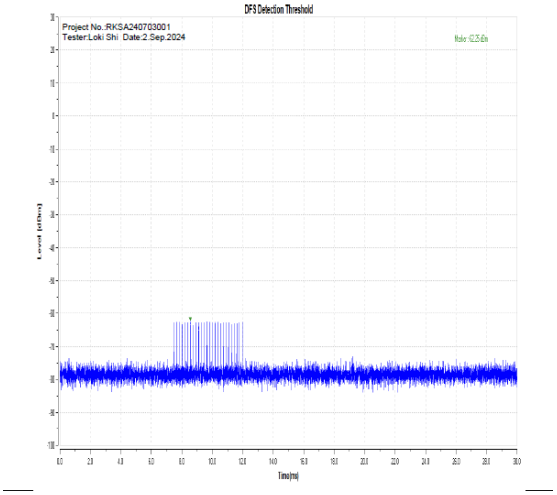
Type1A



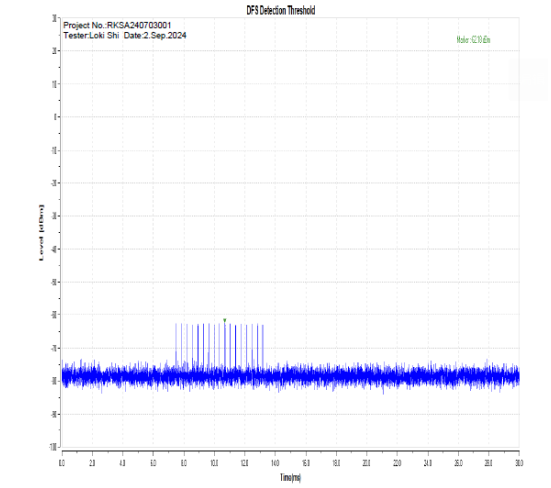
Type1B



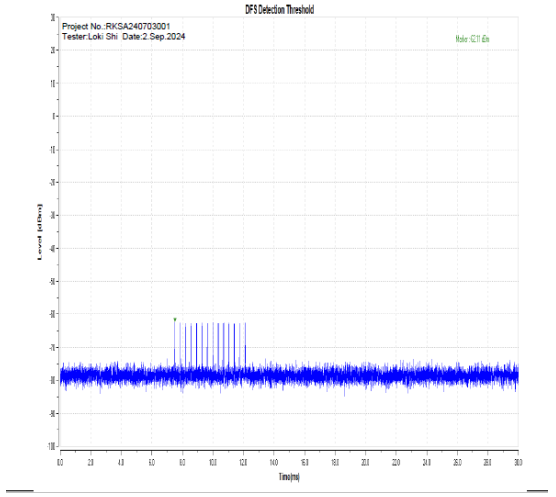
Type2



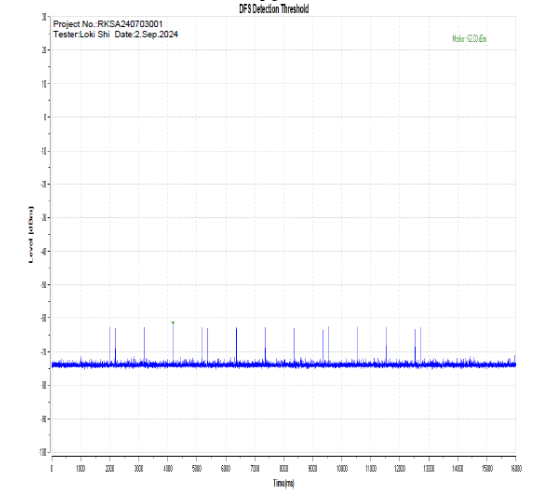
Type3



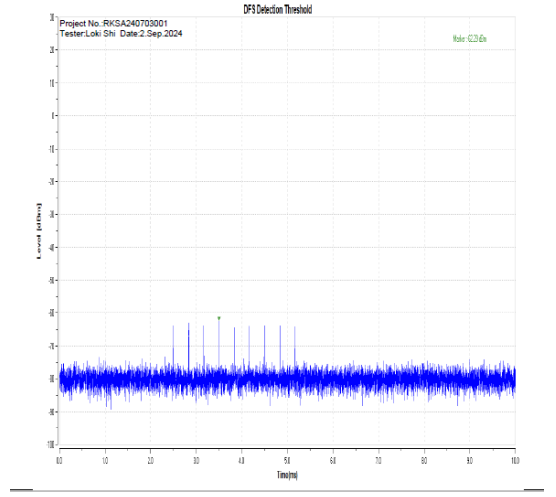
Type4



Type5

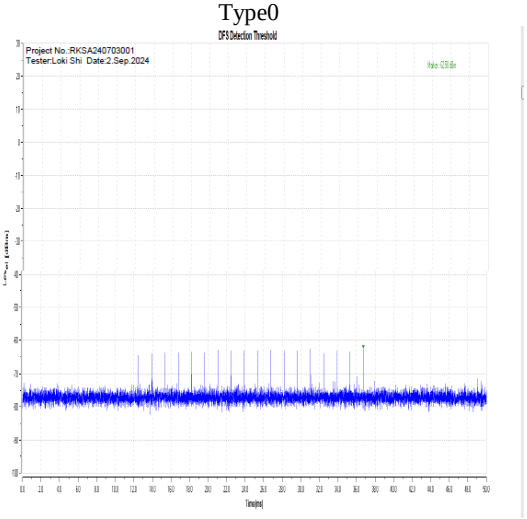


Type6

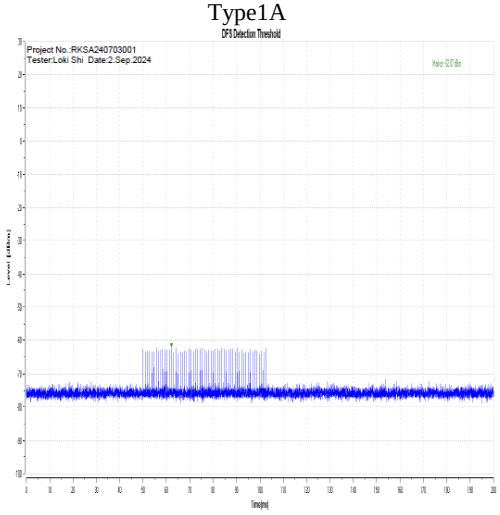


5570 MHz Bandwidth 160MHz

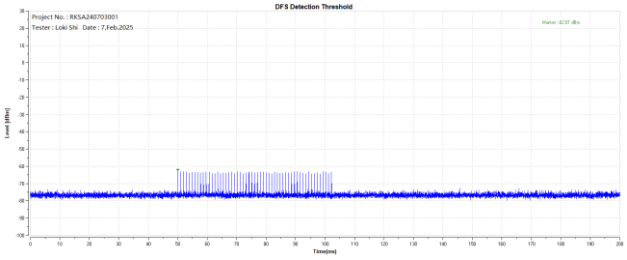
Type0



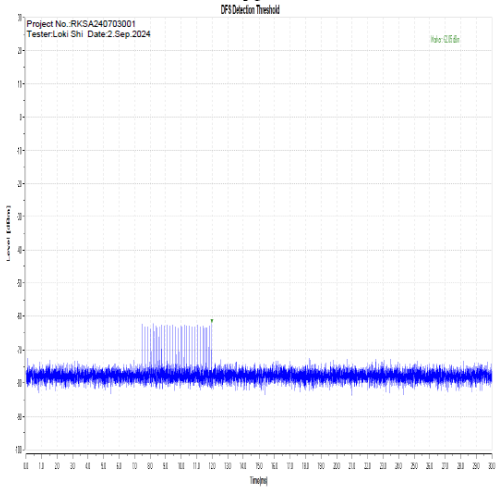
Type1A



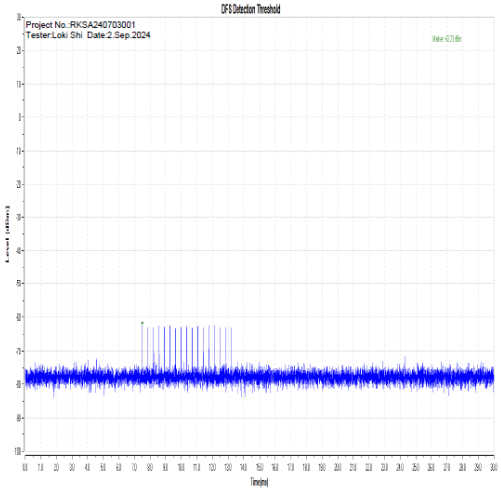
Type1B



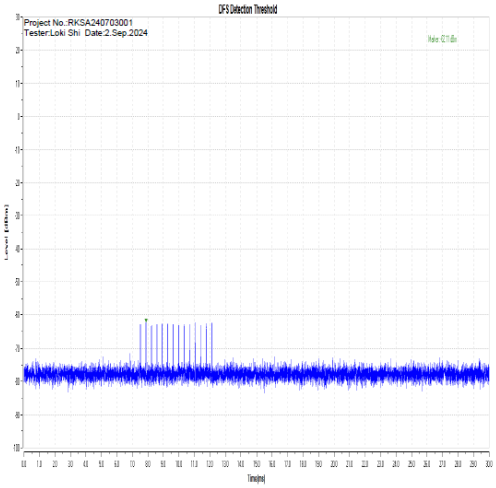
Type2



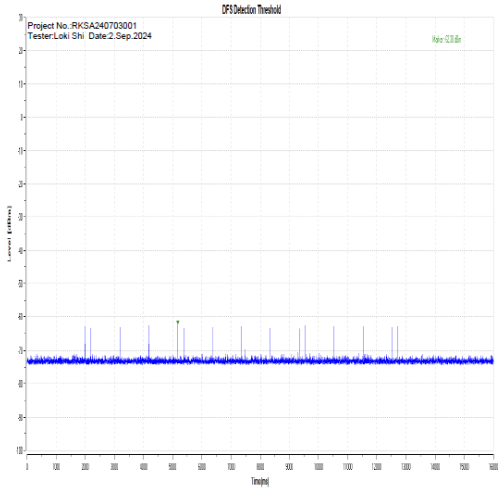
Type3



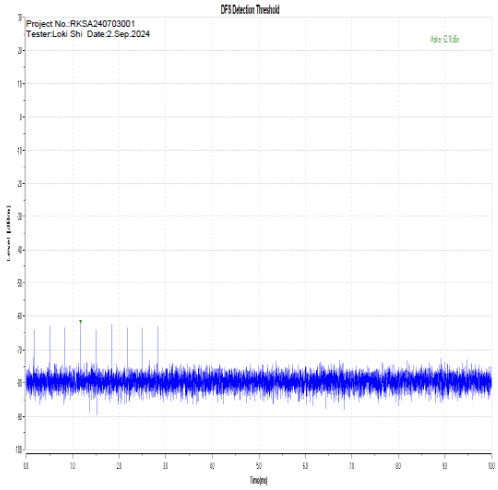
Type4



Type5



Type6



Channel Availability Check Time

EUT Initial power-up Cycle Time

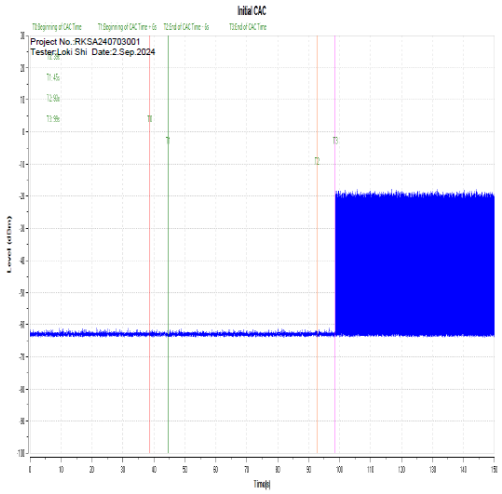
Test Frequency (MHz)	EUT initial Power-up cycle (Second)
5250	39
5570	38

Results:

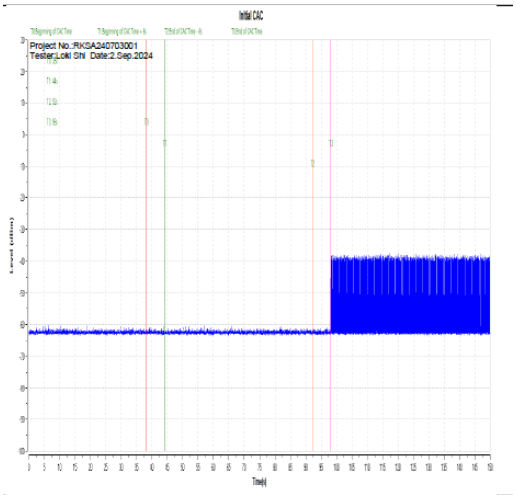
Timing of Radar Burst	Spectrum Analyzer Display
No Radar Triggered	Transmission begin after power-up cycle +60 seconds CAC
Within 6 seconds of the CAC starting	No transmission
Within the last 6 seconds of the CAC	No transmission

Initial Channel Availability Check Time (CAC)

5250 MHz Bandwidth 160 MHz

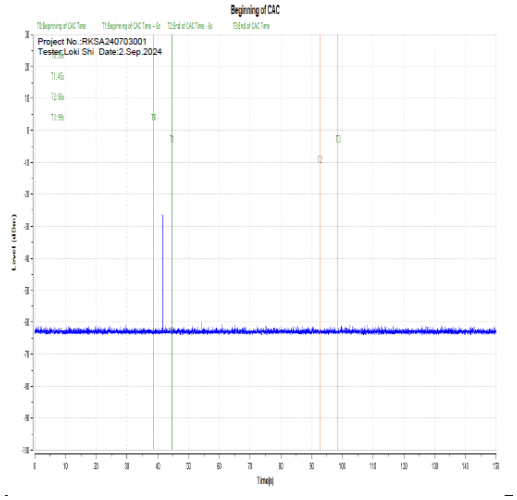


5570 MHz Bandwidth 160 MHz

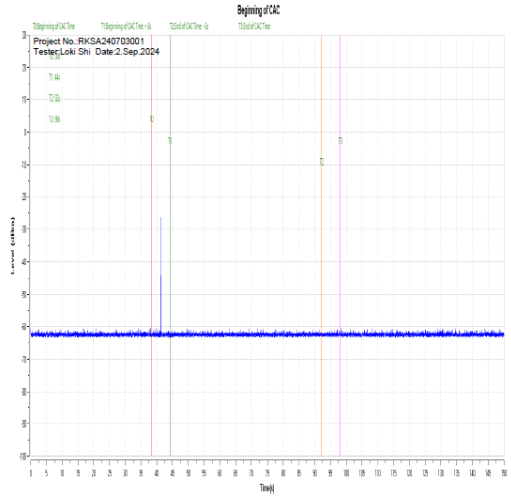


Radar Burst at the Beginning of the CAC

5250 MHz Bandwidth 160 MHz

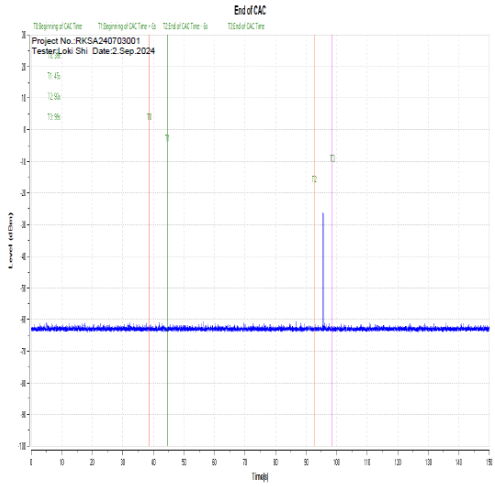


5570 MHz Bandwidth 160 MHz

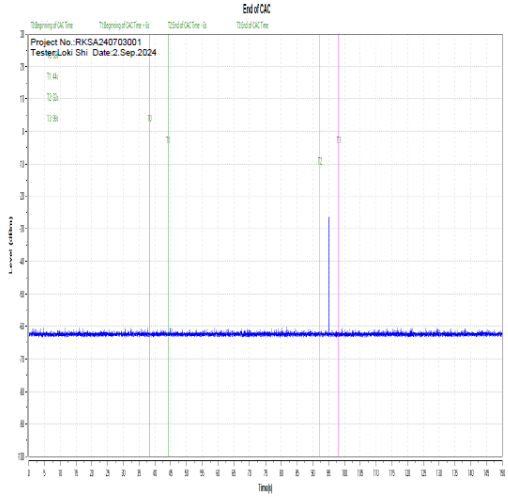


Radar Burst at the End of the CAC

5250 MHz Bandwidth 160 MHz



5570 MHz Bandwidth 160 MHz



Channel Move Time and Channel Closing Transmission Time

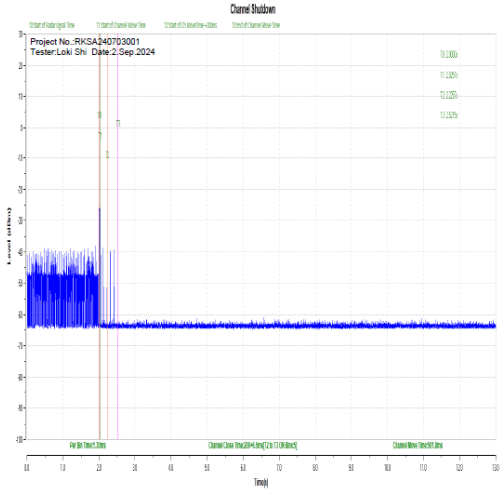
For Master

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11AX160SISO	5250	200+6.5	200+60	501.8	10000	PASS
11AX160SISO	5570	200+2.6	200+60	466.6	10000	PASS

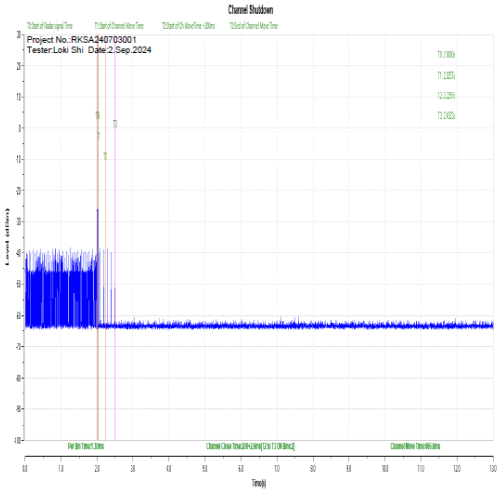
For Client

TestMode	Frequency[MHz]	CCTT[ms]	Limit[ms]	CMT[m Ss]	Limit[ms]	Verdict
11AX160SISO	5250	200+10.4	200+60	864.5	10000	PASS
11AX160SISO	5570	200+13	200+60	850.2	10000	PASS

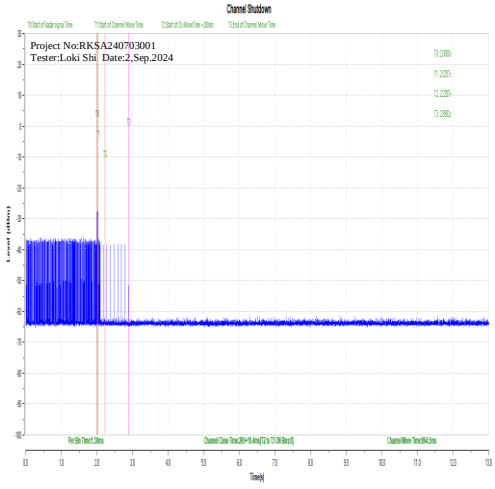
For Master
5250 MHz Bandwidth 160 MHz



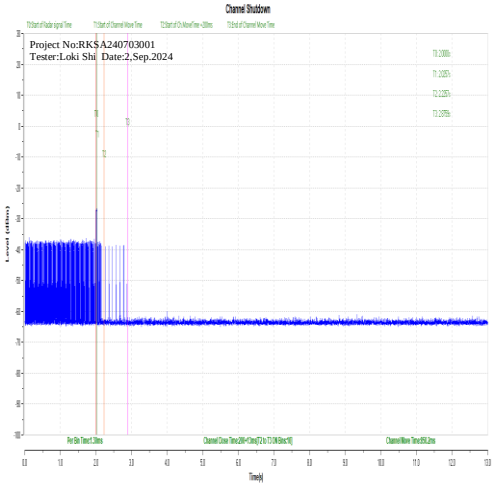
5570 MHz Bandwidth 160 MHz



For Client
5250 MHz Bandwidth 160 MHz



5570 MHz Bandwidth 160 MHz



NON-OCCUPANCY PERIOD

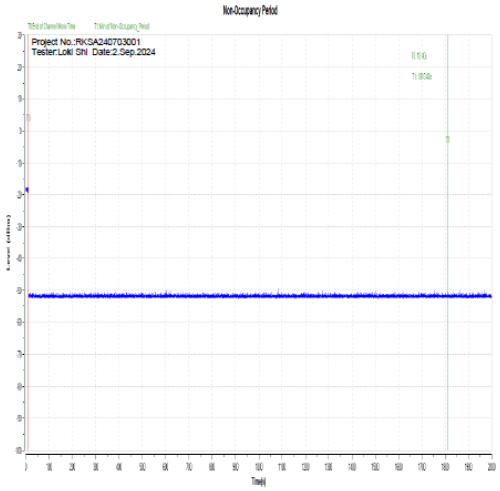
For Master

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
160 MHz	5250	see test graph	≥1800	Pass
	5570	see test graph	≥1800	Pass

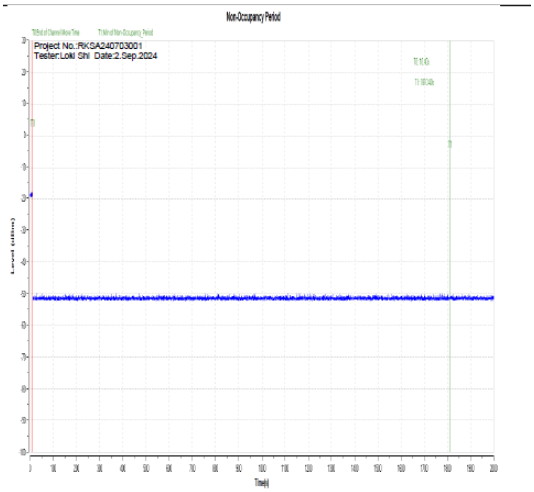
For Client

TestMode	Frequency[MHz]	Result	Limit[s]	Verdict
160 MHz	5250	see test graph	≥1800	PASS
	5570	see test graph	≥1800	PASS

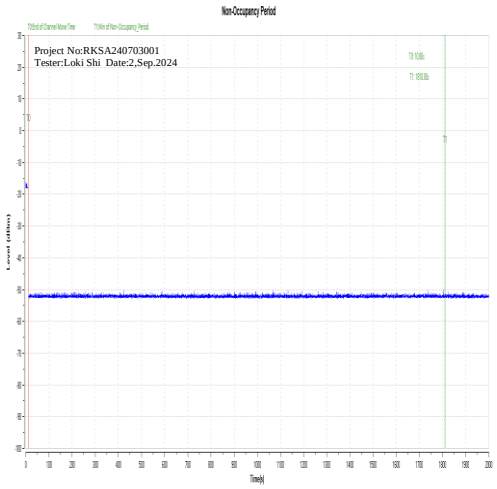
For Master
5250 MHz Bandwidth 160 MHz



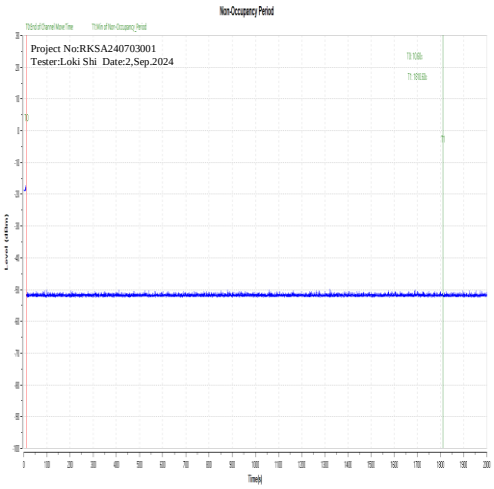
5570 MHz Bandwidth 160 MHz



For Client
5250 MHz Bandwidth 160 MHz



5570 MHz Bandwidth 160 MHz



U-NII Detection Bandwidth and Statistical Performance Check

Test Mode	Channel	Radar SignalType	Waveform/Trial Number	Detection (%)	Limit (%)	Result
160MHz	5250MHz	**Type 1A**	15	100%	60%	Pass
		Type 1B	15	100%		
		Type 2	30	90 %	60%	Pass
		Type 3	30	96.7 %	60%	Pass
		Type 4	30	96.7%	60%	Pass
		Aggregate (Type1 to 4)	120	95.83%	80%	Pass
		Type 5	30	100%	80%	Pass
		Type 6	30	100 %	70%	Pass
Test Mode	Channel	**Radar SignalType**	**Waveform/Trial Number**	**Detection (%)**	**Limit (%)**	**Result**
160MHz	5570MHz	**Type 1A**	15	93.33%	60%	Pass
		Type 1B	15	100%		
		Type 2	30	90 %	60%	Pass
		Type 3	30	100 %	60%	Pass
		Type 4	30	96.7%	60%	Pass
		Aggregate (Type1 to 4)	120	95.83%	80%	Pass
		Type 5	30	100%	80%	Pass
		Type 6	30	100 %	70%	Pass

Channel：5250MHz

Radar Type 1A Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 1	1	1428	18	25704	1
2	Type 1	1	1428	18	25704	0
3	Type 1	1	1428	18	25704	1
4	Type 1	1	1428	18	25704	1
5	Type 1	1	1428	18	25704	1
6	Type 1	1	1428	18	25704	1
7	Type 1	1	1428	18	25704	1
8	Type 1	1	1428	18	25704	1
9	Type 1	1	1428	18	25704	1
10	Type 1	1	1428	18	25704	1
11	Type 1	1	1428	18	25704	1
12	Type 1	1	1428	18	25704	1
13	Type 1	1	1428	18	25704	1
14	Type 1	1	1428	18	25704	1
15	Type 1	1	1428	18	25704	1
Detection Percentage:100 % (>60%)						

Radar Type 1B Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 1	1	1428	18	25704	1
2	Type 1	1	1428	18	25704	1
3	Type 1	1	1428	18	25704	1
4	Type 1	1	1428	18	25704	1
5	Type 1	1	1428	18	25704	1
6	Type 1	1	1428	18	25704	1
7	Type 1	1	1428	18	25704	1
8	Type 1	1	1428	18	25704	1
9	Type 1	1	1428	18	25704	1
10	Type 1	1	1428	18	25704	1
11	Type 1	1	1428	18	25704	1
12	Type 1	1	1428	18	25704	1
13	Type 1	1	1428	18	25704	1
14	Type 1	1	1428	18	25704	1
15	Type 1	1	1428	18	25704	1
Detection Percentage:100 % (>60%)						

Radar Type 2 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 2	3.2	179	26	4654	1
2	Type 2	1.1	207	23	4761	1
3	Type 2	2.1	230	24	5520	1
4	Type 2	4.8	200	29	5800	1
5	Type 2	3.9	214	28	5992	1
6	Type 2	2.9	222	26	5772	1
7	Type 2	3.2	204	26	5304	1
8	Type 2	2.5	192	25	4800	1
9	Type 2	3.1	164	26	4264	1
10	Type 2	1.2	156	23	3588	1
11	Type 2	3.9	210	27	5670	1
12	Type 2	4.6	201	29	5829	0
13	Type 2	3.2	162	26	4212	1
14	Type 2	2.2	197	25	4925	1
15	Type 2	4.5	163	29	4727	1
16	Type 2	3	203	26	5278	1
17	Type 2	5	168	29	4872	0
18	Type 2	2.4	217	25	5425	1
19	Type 2	2.9	191	26	4966	1
20	Type 2	2.3	166	25	4150	1
21	Type 2	3.7	150	27	4050	1
22	Type 2	2.2	176	25	4400	1
23	Type 2	4.9	195	29	5655	1
24	Type 2	2.9	202	26	5252	1
25	Type 2	2.5	178	25	4450	1
26	Type 2	1.1	206	23	4738	1
27	Type 2	3.8	155	27	4185	0
28	Type 2	4.7	157	29	4553	1
29	Type 2	2.4	224	25	5600	1
30	Type 2	4.2	159	28	4452	1
Detection Percentage:90 % (>60%)						

Radar Type 3 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 3	8.2	355	17	6035	1
2	Type 3	6.1	487	16	7792	1
3	Type 3	7.1	344	16	5504	1
4	Type 3	9.8	288	18	5184	1
5	Type 3	8.9	230	18	4140	1
6	Type 3	7.9	432	17	7344	1
7	Type 3	8.2	207	17	3519	1
8	Type 3	7.5	443	17	7531	1
9	Type 3	8.1	439	17	7463	1
10	Type 3	6.2	223	16	3568	1
11	Type 3	8.9	208	18	3744	1
12	Type 3	9.6	463	18	8334	1
13	Type 3	8.2	441	17	7497	1
14	Type 3	7.2	323	16	5168	1
15	Type 3	9.5	297	18	5346	1
16	Type 3	8	412	17	7004	1
17	Type 3	10	324	18	5832	1
18	Type 3	7.4	271	17	4607	1
19	Type 3	7.9	349	17	5933	1
20	Type 3	7.3	409	16	6544	1
21	Type 3	8.7	373	18	6714	1
22	Type 3	7.2	254	16	4064	1
23	Type 3	9.9	274	18	4932	1
24	Type 3	7.9	278	17	4726	1
25	Type 3	7.5	317	17	5389	1
26	Type 3	6.1	260	16	4160	1
27	Type 3	8.8	211	18	3798	1
28	Type 3	9.7	272	18	4896	1
29	Type 3	7.4	264	17	4488	1
30	Type 3	9.2	284	18	5112	1
Detection Percentage: 96.7 % (>60%)						

Radar Type 4 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 4	16	355	14	4970	1
2	Type 4	11.3	487	12	5844	1
3	Type 4	13.5	344	13	4472	1
4	Type 4	19.4	288	16	4608	1
5	Type 4	17.5	230	15	3450	1
6	Type 4	15.3	432	14	6048	1
7	Type 4	15.9	207	14	2898	1
8	Type 4	14.3	443	13	5759	1
9	Type 4	15.8	439	14	6146	1
10	Type 4	11.5	223	12	2676	1
11	Type 4	17.4	208	15	3120	1
12	Type 4	19	463	16	7408	1
13	Type 4	16	441	14	6174	1
14	Type 4	13.8	323	13	4199	1
15	Type 4	18.9	297	16	4752	1
16	Type 4	15.5	412	14	5768	1
17	Type 4	19.9	324	16	5184	1
18	Type 4	14.1	271	13	3523	1
19	Type 4	15.2	349	14	4886	1
20	Type 4	13.8	409	13	5317	1
21	Type 4	17.1	373	15	5595	1
22	Type 4	13.8	254	13	3302	1
23	Type 4	19.8	274	16	4384	1
24	Type 4	15.3	278	14	3892	1
25	Type 4	14.5	317	13	4121	1
26	Type 4	11.3	260	12	3120	1
27	Type 4	17.3	211	15	3165	0
28	Type 4	19.2	272	16	4352	1
29	Type 4	14.2	264	13	3432	1
30	Type 4	18.2	284	15	4260	1
Detection Percentage: 96.7 % (>60%)						

Radar Type 5 Statistical Performance

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	636623	77.8	13.00	2	1556	1038	-	1
2	32666	51.9	13.00	1	1276	-	-	1
3	226196	63.8	13.00	1	1932	-	-	1
4	418278	96.6	13.00	3	1718	1475	1544	1
5	611745	85.9	13.00	3	1368	1535	1064	1
6	8779	73.7	13.00	2	1715	1887	-	1
7	202117	77.2	13.00	2	1552	1314	-	1
8	395198	68.4	13.00	2	1870	1500	-	1
9	588430	76.7	13.00	2	1988	1348	-	1
10	783475	53.2	13.00	1	1473	-	-	1
11	177982	85.7	13.00	3	1318	1676	1310	1
12	370714	94.3	13.00	3	1973	1477	1390	1
13	565059	77.6	13.00	2	1038	1693	-	1
14	759205	65.7	13.00	1	1908	-	-	1
15	154116	93.5	13.00	3	1361	1793	1639	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	653267	75	5.00	2	1766	1074	-	1
2	1015342	99.4	5.00	3	1826	1363	1174	1
3	1379673	67.4	5.00	2	1506	1129	-	1
4	245381	73.6	5.00	2	1994	1155	-	1
5	609211	65.9	5.00	1	1190	-	-	1
6	970315	83.8	5.00	3	1600	1640	1656	1
7	1335720	65.5	5.00	1	1761	-	-	1
8	200392	98.6	5.00	3	1864	1409	1907	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	409465	73.8	9.00	2	1639	1970	-	1
2	673541	69.5	9.00	2	1301	1709	-	1
3	938405	51.9	9.00	1	1833	-	-	1
4	113243	84.6	9.00	3	1346	1359	1246	1
5	376706	95.4	9.00	3	1066	1801	1542	1
6	640774	68	9.00	2	1679	1783	-	1
7	903746	89.6	9.00	3	1637	1006	1743	1
8	80813	81.9	9.00	2	1426	1951	-	1
9	343904	88.3	9.00	3	1812	1727	1953	1
10	609276	53.7	9.00	1	1695	-	-	1
11	870628	91.3	9.00	3	1995	1858	1355	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	26552	68.1	19.00	2	1317	1127	-	1
2	171871	58.7	19.00	1	1075	-	-	1
3	316116	75.3	19.00	2	1671	1317	-	1
4	461891	56.4	19.00	1	1718	-	-	1
5	8664	99.7	19.00	3	1527	1631	1788	1
6	153929	57.7	19.00	1	1269	-	-	1
7	299079	59.5	19.00	1	1392	-	-	1
8	442752	80	19.00	2	1491	1932	-	1
9	587204	82	19.00	2	1934	1730	-	1
10	135744	82.8	19.00	2	1467	1116	-	1
11	279781	88	19.00	3	1108	1707	1589	1
12	424346	93.2	19.00	3	1315	1373	1555	1
13	569553	70.4	19.00	2	1593	1899	-	1
14	117598	95.3	19.00	3	1229	1812	1052	1
15	262325	81.9	19.00	2	1683	1955	-	1
16	405781	98.5	19.00	3	1946	1977	1445	1
17	553711	65	19.00	1	1353	-	-	1
18	99809	85.4	19.00	3	1515	1218	1284	1
19	244192	91.6	19.00	3	1576	1751	1083	1
20	390174	67.3	19.00	2	1014	1047	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	628798	67.9	16.00	2	1997	1368	-	1
2	96903	62.3	16.00	1	1616	-	-	1
3	267849	53.3	16.00	1	1251	-	-	1
4	437286	90	16.00	3	1496	1016	1081	1
5	608043	77.1	16.00	2	1260	1836	-	1
6	75592	83.9	16.00	3	1587	1287	1269	1
7	245640	89.1	16.00	3	1040	1945	1574	1
8	416504	81.8	16.00	2	1484	1774	-	1
9	588726	50.3	16.00	1	1087	-	-	1
10	54535	87.1	16.00	3	1908	1475	1949	1
11	225137	71.3	16.00	2	1834	1325	-	1
12	395073	97.5	16.00	3	1416	1046	1579	1
13	565234	90.6	16.00	3	1419	1512	1182	1
14	33645	86.3	16.00	3	1541	1359	1624	1
15	203835	97.6	16.00	3	1575	1267	1378	1
16	373694	84.7	16.00	3	1187	1979	1647	1
17	543192	99.7	16.00	3	1735	1795	1972	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	15441	92.9	12.00	3	1423	1118	1358	1
2	222649	67.7	12.00	2	1689	1176	-	1
3	430620	65.8	12.00	1	1312	-	-	1
4	637993	56.3	12.00	1	1571	-	-	1
5	845422	53.7	12.00	1	1646	-	-	1
6	196574	83.5	12.00	3	1802	1804	1663	1
7	405116	65.8	12.00	1	1177	-	-	1
8	610836	85.9	12.00	3	1540	1100	1162	1
9	819293	76.3	12.00	2	1043	1199	-	1
10	171555	81.5	12.00	2	1205	1918	-	1
11	378184	89.4	12.00	3	1599	1571	1077	1
12	587063	63.4	12.00	1	1295	-	-	1
13	793149	69.6	12.00	2	1228	1665	-	1
14	145983	74.5	12.00	2	1695	1775	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	328985	96.6	13.00	3	1567	1387	1506	1
2	522498	96.7	13.00	3	1127	1354	1112	1
3	714615	86.5	13.00	3	1505	1526	1715	1
4	112383	73.3	13.00	2	1968	1729	-	1
5	306212	55.8	13.00	1	1872	-	-	1
6	500163	55.4	13.00	1	1266	-	-	1
7	690552	85.3	13.00	3	1849	1867	1382	1
8	88623	79.4	13.00	2	1739	1698	-	1
9	282519	65.7	13.00	1	1447	-	-	1
10	475743	68.6	13.00	2	1034	1167	-	1
11	669102	77.7	13.00	2	1216	1143	-	1
12	64844	79.6	13.00	2	1779	1441	-	1
13	257701	94.9	13.00	3	1818	1196	1400	1
14	452394	61.4	13.00	1	1345	-	-	1
15	643963	90.6	13.00	3	1825	1130	1024	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	51432	52.6	10.00	1	1482	-	-	1
2	292922	84.1	10.00	3	1539	1004	1258	1
3	534275	97.7	10.00	3	1295	1677	1308	1
4	776241	97.3	10.00	3	1064	1035	1575	1
5	21547	98.8	10.00	3	1449	1076	1472	1
6	263377	72.2	10.00	2	1334	1651	-	1
7	504945	67.6	10.00	2	1752	1705	-	1
8	746790	75.7	10.00	2	1696	1558	-	1
9	990242	60.9	10.00	1	1531	-	-	1
10	234006	64.2	10.00	1	1218	-	-	1
11	475264	78.8	10.00	2	1661	1608	-	1
12	716245	87.5	10.00	3	1351	1243	1728	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	822851	54.1	13.00	1	1687	-	-	1
2	174900	50.7	13.00	1	1538	-	-	1
3	382242	52.3	13.00	1	1917	-	-	1
4	588103	99.8	13.00	3	1104	1181	1891	1
5	795565	68.4	13.00	2	1838	1705	-	1
6	149063	80.8	13.00	2	1390	1729	-	1
7	356723	62.5	13.00	1	1844	-	-	1
8	563598	74.8	13.00	2	1609	1087	-	1
9	772302	50.8	13.00	1	1062	-	-	1
10	123800	54	13.00	1	1389	-	-	1
11	331350	63	13.00	1	1382	-	-	1
12	536393	91.8	13.00	3	2000	1593	1768	1
13	745583	79.3	13.00	2	1067	1307	-	1
14	98268	64.3	13.00	1	1107	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	535571	63.4	6.00	1	1166	-	-	1
2	898917	52	6.00	1	1446	-	-	1
3	1259697	97.2	6.00	3	1696	1650	1267	1
4	127089	78.7	6.00	2	1600	1807	-	1
5	489947	74.2	6.00	2	1822	1933	-	1
6	852558	88.7	6.00	3	1655	1015	1568	1
7	1217152	54.3	6.00	1	1991	-	-	1
8	82300	95.4	6.00	3	1772	1149	1932	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	209176	73.7	16.00	2	1394	1559	-	1
2	378577	97.4	16.00	3	1240	1768	1946	1
3	548594	91.7	16.00	3	1924	1909	1096	1
4	17727	66.2	16.00	1	1609	-	-	1
5	188261	70.8	16.00	2	1495	1142	-	1
6	359227	52.3	16.00	1	1838	-	-	1
7	529350	78.9	16.00	2	1662	1014	-	1
8	699817	70.9	16.00	2	1584	1175	-	1
9	167165	75.6	16.00	2	1421	1580	-	1
10	338419	59.1	16.00	1	1371	-	-	1
11	508194	77	16.00	2	1471	1410	-	1
12	678428	67.9	16.00	2	1532	1624	-	1
13	146139	81.2	16.00	2	1237	1899	-	1
14	316473	78.7	16.00	2	1570	1797	-	1
15	488365	63.3	16.00	1	1188	-	-	1
16	657474	68.9	16.00	2	1593	1521	-	1
17	125512	59.3	16.00	1	1072	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	264001	98.9	19.00	3	1619	1232	1068	1
2	417231	82.3	19.00	2	1198	1209	-	1
3	567901	86.7	19.00	3	1828	1541	1162	1
4	92954	89.7	19.00	3	1243	1538	1600	1
5	245112	98.6	19.00	3	1040	1773	1458	1
6	397977	71.1	19.00	2	1971	1159	-	1
7	551457	55.9	19.00	1	1918	-	-	1
8	74391	67.9	19.00	2	1071	1841	-	1
9	226484	84.4	19.00	3	1147	1411	1401	1
10	380077	58.8	19.00	1	1680	-	-	1
11	532981	65.6	19.00	1	1522	-	-	1
12	55531	78.5	19.00	2	1864	1937	-	1
13	208094	82.3	19.00	2	1003	1870	-	1
14	359800	90.1	19.00	3	1376	1127	1721	1
15	512124	90.2	19.00	3	1504	1088	1423	1
16	36816	83.1	19.00	2	1524	1605	-	1
17	189697	58.8	19.00	1	1594	-	-	1
18	341619	77	19.00	2	1818	1374	-	1
19	495472	55	19.00	1	1349	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	22912	58.1	13.00	1	1881	-	-	1
2	216607	52.1	13.00	1	1417	-	-	1
3	410438	59.9	13.00	1	1127	-	-	1
4	603580	60.2	13.00	1	1934	-	-	1
5	793918	95.9	13.00	3	1812	1491	1852	1
6	192196	79.9	13.00	2	1781	1930	-	1
7	385525	78.5	13.00	2	1410	1880	-	1
8	580331	53.8	13.00	1	1116	-	-	1
9	773468	64.7	13.00	1	1754	-	-	1
10	168902	61.4	13.00	1	1373	-	-	1
11	361910	83.2	13.00	2	1662	1218	-	1
12	554151	84.7	13.00	3	1554	1548	1336	1
13	746788	88.7	13.00	3	1274	1825	1672	1
14	144765	78.3	13.00	2	1788	1116	-	1
15	338082	69.3	13.00	2	1819	1095	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	664476	75.3	10.00	2	1954	1350	-	1
2	907451	56.3	10.00	1	1935	-	-	1
3	151297	67.7	10.00	2	1366	1567	-	1
4	393839	55.6	10.00	1	1100	-	-	1
5	634772	75.2	10.00	2	1699	1492	-	1
6	876467	76.3	10.00	2	1267	1996	-	1
7	121291	85.7	10.00	3	1273	1747	1712	1
8	363058	98.4	10.00	3	1372	1084	1224	1
9	603800	86.4	10.00	3	1942	1967	1248	1
10	845154	93.6	10.00	3	1604	1751	1716	1
11	91831	63.3	10.00	1	1762	-	-	1
12	333386	92.4	10.00	3	1306	1050	1046	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	362087	93.3	18.00	3	1482	1099	1525	1
2	515307	69.1	18.00	2	1209	1630	-	1
3	38994	86.9	18.00	3	1010	1114	1716	1
4	190922	84.9	18.00	3	1539	1502	1847	1
5	343724	72.3	18.00	2	1563	1845	-	1
6	497361	51.7	18.00	1	1780	-	-	1
7	20319	58.3	18.00	1	1419	-	-	1
8	173196	60.8	18.00	1	1262	-	-	1
9	326148	57.1	18.00	1	1106	-	-	1
10	475778	88.9	18.00	3	1668	1946	1808	1
11	1488	72	18.00	2	1837	1965	-	1
12	153567	90.9	18.00	3	1190	1601	1731	1
13	306964	59.8	18.00	1	1822	-	-	1
14	458779	70	18.00	2	1870	1214	-	1
15	611697	67.2	18.00	2	1345	1237	-	1
16	134832	91.2	18.00	3	1589	1629	1315	1
17	288289	56.5	18.00	1	1520	-	-	1
18	441028	51.2	18.00	1	1620	-	-	1
19	591978	74.1	18.00	2	1599	1968	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	158254	76.9	12.00	2	1058	1366	-	1
2	366047	50.2	12.00	1	1262	-	-	1
3	573377	62.9	12.00	1	1632	-	-	1
4	780532	64.7	12.00	1	1997	-	-	1
5	132351	83.8	12.00	3	1835	1584	1378	1
6	340432	65.4	12.00	1	1378	-	-	1
7	548146	53.2	12.00	1	1122	-	-	1
8	755450	51.7	12.00	1	1470	-	-	1
9	107154	78.7	12.00	2	1184	1489	-	1
10	314379	72.4	12.00	2	1610	1094	-	1
11	522427	53.8	12.00	1	1361	-	-	1
12	729049	73.6	12.00	2	1243	1210	-	1
13	81555	66.7	12.00	2	1518	1911	-	1
14	288616	82.5	12.00	2	1925	1479	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	345538	87.6	20.00	3	1809	1142	1902	1
2	490101	85.2	20.00	3	1370	1301	1914	1
3	39145	84.8	20.00	3	1217	1247	1324	1
4	183993	77.9	20.00	2	1160	1822	-	1
5	329141	76.5	20.00	2	1295	1048	-	1
6	474918	60.9	20.00	1	1301	-	-	1
7	21367	83	20.00	2	1684	1175	-	1
8	166161	80.4	20.00	2	1841	1130	-	1
9	311033	67.5	20.00	2	1607	1223	-	1
10	456993	62.1	20.00	1	1352	-	-	1
11	3520	86.4	20.00	3	1700	1399	1030	1
12	147826	84.3	20.00	3	1858	1628	1494	1
13	293433	76.9	20.00	2	1268	1072	-	1
14	437093	95.8	20.00	3	1310	1101	1689	1
15	584602	55.2	20.00	1	1043	-	-	1
16	130793	59	20.00	1	1580	-	-	1
17	274624	94.5	20.00	3	1558	1119	1732	1
18	418777	91.9	20.00	3	1627	1533	1671	1
19	563823	85.2	20.00	3	1161	1131	1800	1
20	112710	69.5	20.00	2	1309	1364	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	429259	86.4	10.00	3	1194	1562	1794	1
2	670979	92.2	10.00	3	1679	1068	1370	1
3	913818	80.4	10.00	2	1387	1304	-	1
4	158545	54.3	10.00	1	1702	-	-	1
5	400895	53.1	10.00	1	1126	-	-	1
6	642041	69.4	10.00	2	1109	1744	-	1
7	883409	69.1	10.00	2	1871	1514	-	1
8	128290	100	10.00	3	1674	1420	1951	1
9	370659	79.6	10.00	2	1175	1014	-	1
10	611891	88.4	10.00	3	1058	1132	1252	1
11	855277	53.3	10.00	1	1469	-	-	1
12	98894	65.3	10.00	1	1745	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	292264	55.3	12.00	1	1564	-	-	1
2	499839	58.3	12.00	1	1444	-	-	1
3	706241	72.3	12.00	2	1214	1599	-	1
4	59016	84.8	12.00	3	1938	1061	1221	1
5	266259	82.5	12.00	2	1902	1090	-	1
6	474152	63.3	12.00	1	1667	-	-	1
7	680785	80	12.00	2	1664	1066	-	1
8	33532	90.3	12.00	3	1701	1591	1004	1
9	240164	91.1	12.00	3	1941	1715	1385	1
10	447244	96.6	12.00	3	1343	1453	1448	1
11	654869	82.7	12.00	2	1376	1863	-	1
12	8084	50.7	12.00	1	1112	-	-	1
13	215195	78.4	12.00	2	1860	1251	-	1
14	421414	99.5	12.00	3	1211	1957	1785	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	733776	88.6	10.00	3	1250	1232	1944	1
2	978500	57.4	10.00	1	1092	-	-	1
3	221259	96.6	10.00	3	1049	1114	1625	1
4	463263	69.7	10.00	2	1156	1790	-	1
5	705037	77.9	10.00	2	1367	1640	-	1
6	947884	62	10.00	1	1907	-	-	1
7	191445	88.4	10.00	3	1209	1654	1204	1
8	432506	97.3	10.00	3	1852	1608	1720	1
9	674848	96.2	10.00	3	1360	1171	1074	1
10	915221	95.4	10.00	3	1344	1748	1910	1
11	162187	54.8	10.00	1	1015	-	-	1
12	403878	80.4	10.00	2	1296	1188	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	483824	74.7	15.00	2	1583	1101	-	1
2	665910	57.1	15.00	1	1741	-	-	1
3	98722	91.9	15.00	3	1686	1852	1265	1
4	280148	83.1	15.00	2	1116	1841	-	1
5	462269	50.7	15.00	1	1435	-	-	1
6	641874	79.2	15.00	2	1722	1975	-	1
7	76783	58.7	15.00	1	1652	-	-	1
8	257866	71	15.00	2	1476	1380	-	1
9	438568	79	15.00	2	1785	1927	-	1
10	620389	68.5	15.00	2	1017	1704	-	1
11	54344	73.5	15.00	2	1548	1239	-	1
12	235380	70.5	15.00	2	1723	1658	-	1
13	416942	76.6	15.00	2	1262	1252	-	1
14	597534	81.2	15.00	2	1532	1852	-	1
15	32065	61.8	15.00	1	1786	-	-	1
16	212584	94.9	15.00	3	1710	1907	1485	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	526804	78.5	9.00	2	1033	1077	-	1
2	766810	89.8	9.00	3	1754	1928	1041	1
3	12967	59.4	9.00	1	1054	-	-	1
4	254814	79.6	9.00	2	1048	1683	-	1
5	496335	76	9.00	2	1789	1641	-	1
6	739766	53.6	9.00	1	1092	-	-	1
7	979583	80.9	9.00	2	1815	1770	-	1
8	225383	61.6	9.00	1	1130	-	-	1
9	467404	53.4	9.00	1	1634	-	-	1
10	709942	59.9	9.00	1	1068	-	-	1
11	951435	60.4	9.00	1	1885	-	-	1
12	194882	91.4	9.00	3	1792	1291	1419	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	261690	77	20.00	2	1730	1206	-	1
2	407496	58.1	20.00	1	1468	-	-	1
3	553039	62.1	20.00	1	1057	-	-	1
4	98971	76.9	20.00	2	1466	1926	-	1
5	243693	80	20.00	2	1841	1488	-	1
6	389821	52	20.00	1	1153	-	-	1
7	531723	88.6	20.00	3	2000	1481	1407	1
8	81080	72.9	20.00	2	1935	1952	-	1
9	225051	98.5	20.00	3	1689	1898	1899	1
10	371684	57.9	20.00	1	1550	-	-	1
11	513892	95.9	20.00	3	1339	1731	1878	1
12	63543	53.5	20.00	1	1336	-	-	1
13	207470	92	20.00	3	1916	1909	1146	1
14	353593	57.3	20.00	1	1910	-	-	1
15	497722	70.5	20.00	2	1889	1132	-	1
16	45525	70	20.00	2	1619	1464	-	1
17	189563	84	20.00	3	1968	1995	1419	1
18	334977	76.1	20.00	2	1488	1756	-	1
19	478188	93.2	20.00	3	1828	1610	1697	1
20	27659	96.8	20.00	3	1462	1116	1215	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	247197	50.1	12.00	1	1562	-	-	1
2	453153	93.5	12.00	3	1529	1790	1159	1
3	660655	68.8	12.00	2	1687	1881	-	1
4	14128	56.3	12.00	1	1820	-	-	1
5	220915	86	12.00	3	1442	1738	1170	1
6	428528	75.2	12.00	2	1335	1453	-	1
7	636648	54.4	12.00	1	1562	-	-	1
8	842797	71.1	12.00	2	1542	1394	-	1
9	195782	76.2	12.00	2	1291	1561	-	1
10	402683	80.2	12.00	2	1912	1557	-	1
11	610243	79.7	12.00	2	1037	1708	-	1
12	815692	90.9	12.00	3	1871	1691	1032	1
13	170136	68.7	12.00	2	1488	1990	-	1
14	377546	67.4	12.00	2	1446	1195	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	628743	94	11.00	3	1862	1287	1201	1
2	853454	70.8	11.00	2	1088	1222	-	1
3	156136	56.3	11.00	1	1516	-	-	1
4	378517	96.7	11.00	3	1316	1809	1126	1
5	601369	90.6	11.00	3	1749	1461	1029	1
6	825544	74.5	11.00	2	1068	1691	-	1
7	128146	92.6	11.00	3	1882	1293	1633	1
8	350649	89	11.00	3	1541	1858	1948	1
9	574102	96.5	11.00	3	1361	1536	1049	1
10	797240	70.5	11.00	2	1787	1906	-	1
11	100771	94	11.00	3	1079	1508	1692	1
12	324468	55.8	11.00	1	1840	-	-	1
13	545941	87.7	11.00	3	1757	1673	1698	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	1253346	68.6	5.00	2	1434	1625	-	1
2	119462	83.1	5.00	2	1582	1450	-	1
3	482866	60.9	5.00	1	1970	-	-	1
4	845899	77.7	5.00	2	1246	1231	-	1
5	1209262	77.4	5.00	2	1046	1225	-	1
6	74755	66.8	5.00	2	1587	1165	-	1
7	438159	63.7	5.00	1	1813	-	-	1
8	799839	91.2	5.00	3	1451	1528	1970	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	545416	83.6	16.00	3	1017	1990	1397	1
2	14066	89.4	16.00	3	1401	1948	1131	1
3	184961	55.8	16.00	1	1500	-	-	1
4	354333	90.9	16.00	3	1835	1325	1237	1
5	526694	54.7	16.00	1	1416	-	-	1
6	695652	97.7	16.00	3	1183	1142	1007	1
7	163430	67.5	16.00	2	1626	1970	-	1
8	333465	96.7	16.00	3	1371	1076	1764	1
9	504482	68.3	16.00	2	1596	1445	-	1
10	675424	78.3	16.00	2	1109	1431	-	1
11	142911	55	16.00	1	1324	-	-	1
12	312370	84.9	16.00	3	1386	1310	1812	1
13	483170	74.6	16.00	2	1723	1776	-	1
14	655500	63.3	16.00	1	1371	-	-	1
15	121408	99.8	16.00	3	1238	1335	1378	1
16	292829	63.6	16.00	1	1111	-	-	1
17	461438	87.3	16.00	3	1491	1704	1442	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	564587	85.6	19.00	3	1355	1726	1567	1
2	89838	68.6	19.00	2	1936	1791	-	1
3	243065	54.2	19.00	1	1256	-	-	1
4	395965	61.2	19.00	1	1213	-	-	1
5	546679	97.1	19.00	3	1554	1063	1088	1
6	71022	98.3	19.00	3	1038	1601	1618	1
7	224043	62.4	19.00	1	1796	-	-	1
8	375811	80.2	19.00	2	1736	1688	-	1
9	526524	87.5	19.00	3	1933	1524	1910	1
10	52332	85.8	19.00	3	1558	1072	1014	1
11	204270	88.1	19.00	3	1638	1320	1778	1
12	358389	65.3	19.00	1	1059	-	-	1
13	510583	52.5	19.00	1	1956	-	-	1
14	33661	52.3	19.00	1	2000	-	-	1
15	186091	74.1	19.00	2	1080	1807	-	1
16	339568	54.9	19.00	1	1031	-	-	1
17	490613	76.2	19.00	2	1518	1924	-	1
18	14864	60.4	19.00	1	1527	-	-	1
19	167448	81.5	19.00	2	1015	1351	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	508045	50.5	10.00	1	1196	-	-	1
2	749937	55.7	10.00	1	1661	-	-	1
3	989019	85.8	10.00	3	1656	1854	1218	1
4	235517	76.9	10.00	2	1772	1323	-	1
5	477346	75.1	10.00	2	1221	1773	-	1
6	718529	92.3	10.00	3	1122	1158	1577	1
7	960804	78.1	10.00	2	1503	1649	-	1
8	205421	92.2	10.00	3	1446	1589	1583	1
9	447174	89	10.00	3	1145	1370	1341	1
10	689823	70.9	10.00	2	1088	1246	-	1
11	932887	63.1	10.00	1	1157	-	-	1
12	176194	55.3	10.00	1	1731	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	277683	83.4	17.00	3	1301	1213	1473	1
2	438503	97.3	17.00	3	1258	1057	1522	1
3	598617	90.4	17.00	3	1679	1090	1780	1
4	97142	91.8	17.00	3	1385	1491	1272	1
5	257779	98.2	17.00	3	1869	1055	1339	1
6	420304	59.5	17.00	1	1301	-	-	1
7	580095	80	17.00	2	1693	1417	-	1
8	77238	86.5	17.00	3	1548	1656	1903	1
9	237974	91.1	17.00	3	1379	1497	1433	1
10	398356	93.5	17.00	3	1360	1444	1937	1
11	561396	60.7	17.00	1	1778	-	-	1
12	57672	67.2	17.00	2	1157	1676	-	1
13	219189	61.8	17.00	1	1263	-	-	1
14	379317	79.4	17.00	2	1952	1503	-	1
15	540148	81.4	17.00	2	1926	1552	-	1
16	37944	65.7	17.00	1	1005	-	-	1
17	198981	76	17.00	2	1299	1065	-	1
18	360068	81	17.00	2	1163	1251	-	1

Radar Type 6 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Pulses Per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number	Detection (1:yes; 0:no)	Hopping Sequence (MHz)
1	Type 6	1	333.3	9	0.3333	300	32	1	5364,5717,5334,5705,5549 5312,5260,5635,5503,5570 5347,5508,5292,5447,5588 5621,5638,5296,5482,5455 5636,5593,5434,5306,5411 5556,5378,5478,5432,5341 5438,5294,5496,5285,5327 5293,5502,5277,5403,5330 5612,5720,5544,5615,5561 5676,5704,5366,5290,5387 5278,5723,5383,5368,5263 5630,5375,5718,5281,5604 5453,5509,5479,5400,5262 5354,5467,5545,5466,5611 5715,5402,5568,5641,5396 5567,5557,5674,5359,5392 5313,5537,5258,5475,5272 5388,5474,5555,5410,5355 5517,5382,5386,5664,5697 5721,5268,5489,5706,5525
2	Type 6	1	333.3	9	0.3333	300	27	1	5619,5578,5270,5294,5354 5660,5710,5666,5399,5656 5297,5333,5642,5609,5709 5668,5527,5647,5547,5284 5375,5395,5384,5444,5705 5584,5536,5480,5658,5453 5403,5576,5588,5641,5465 5674,5580,5623,5559,5627 5553,5704,5673,5633,5724 5373,5348,5331,5513,5637 5544,5314,5585,5697,5257 5672,5471,5423,5424,5638 5644,5345,5569,5655,5413 5271,5415,5550,5371,5335 5382,5416,5533,5706,5558 5535,5692,5256,5436,5716 5385,5669,5458,5349,5456 5336,5634,5703,5352,5280 5506,5313,5690,5326,5631 5628,5546,5289,5490,5590

3	Type 6	1	333.3	9	0.3333	300	25	1	5302,5342,5681,5455,5611 5493,5682,5310,5257,5606 5587,5561,5374,5362,5630 5322,5320,5502,5475,5364 5555,5353,5316,5387,5357 5332,5654,5312,5262,5409 5522,5547,5410,5618,5253 5311,5683,5556,5470,5258 5537,5398,5710,5491,5469 5670,5465,5704,5456,5406 5384,5400,5513,5720,5365 5296,5276,5641,5445,5626 5564,5620,5395,5334,5290 5401,5578,5359,5569,5586 5282,5649,5407,5368,5647 5643,5509,5592,5675,5678 5581,5275,5381,5512,5600 5304,5382,5389,5458,5666 5419,5642,5350,5526,5519 5709,5692,5418,5653,5354
4	Type 6	1	333.3	9	0.3333	300	33	1	5557,5581,5617,5616,5356 5535,5704,5385,5420,5338 5518,5350,5415,5651,5313 5447,5605,5520,5653,5563 5519,5257,5476,5330,5598 5506,5515,5366,5443,5661 5533,5367,5358,5502,5606 5347,5647,5266,5411,5451 5334,5332,5709,5667,5394 5684,5539,5464,5437,5665 5389,5421,5416,5574,5488 5536,5580,5279,5439,5324 5499,5710,5708,5404,5305 5295,5525,5589,5359,5452 5576,5272,5492,5388,5551 5547,5323,5724,5256,5721 5293,5379,5584,5361,5508 5479,5693,5341,5655,5715 5629,5494,5401,5637,5423 5280,5316,5662,5281,5649

5	Type 6	1	333.3	9	0.3333	300	37	1	5337,5345,5553,5302,5673 5577,5629,5460,5583,5642 5352,5614,5456,5655,5672 5401,5574,5611,5565,5370 5571,5588,5295,5468,5303 5486,5358,5718,5470,5380 5703,5422,5324,5573,5654 5426,5263,5634,5661,5462 5648,5498,5270,5474,5664 5701,5622,5425,5490,5552 5265,5597,5467,5300,5432 5724,5437,5469,5258,5715 5453,5277,5637,5705,5348 5593,5262,5561,5251,5255 5275,5341,5364,5510,5516 5346,5712,5504,5549,5356 5527,5376,5264,5447,5442 5454,5658,5428,5544,5374 5343,5663,5478,5689,5384 5372,5707,5274,5292,5466
6	Type 6	1	333.3	9	0.3333	300	30	1	5592,5584,5489,5463,5418 5619,5651,5535,5271,5374 5283,5500,5594,5375,5693 5604,5714,5610,5562,5482 5279,5711,5557,5276,5277 5307,5446,5574,5414,5270 5408,5281,5691,5428,5624 5625,5354,5430,5339,5376 5487,5581,5683,5617,5630 5644,5705,5483,5342,5519 5298,5518,5563,5598,5437 5391,5659,5455,5686,5582 5697,5469,5628,5294,5319 5597,5631,5521,5436,5423 5278,5665,5340,5485,5466 5438,5315,5275,5614,5330 5520,5590,5596,5264,5289 5405,5646,5526,5346,5676 5267,5539,5349,5600,5258 5671,5533,5345,5587,5523

7	Type 6	1	333.3	9	0.3333	300	33	1	5372,5348,5425,5624,5260 5283,5576,5610,5434,5581 5689,5289,5635,5570,5714 5577,5256,5342,5558,5279 5490,5652,5549,5724,5640 5634,5552,5300,5448,5409 5297,5713,5431,5580,5444 5667,5445,5701,5492,5290 5326,5286,5621,5382,5280 5559,5313,5541,5499,5704 5395,5474,5569,5274,5421 5698,5625,5345,5374,5657 5711,5519,5642,5301,5454 5715,5520,5536,5366,5413 5414,5378,5417,5316,5428 5357,5586,5484,5296,5430 5627,5684,5653,5273,5606 5465,5363,5491,5352,5355 5518,5631,5688,5588,5329 5485,5502,5590,5390,5531
8	Type 6	1	333.3	9	0.3333	300	27	1	5530,5587,5361,5310,5480 5325,5598,5685,5500,5410 5523,5553,5676,5290,5260 5568,5383,5445,5603,5471 5498,5514,5690,5638,5697 5431,5583,5280,5404,5482 5451,5661,5670,5646,5354 5642,5331,5633,5594,5267 5301,5640,5369,5559,5622 5277,5391,5507,5396,5502 5552,5494,5271,5650,5620 5363,5719,5545,5338,5299 5564,5628,5268,5684,5608 5283,5343,5584,5572,5673 5683,5517,5492,5381,5266 5292,5387,5326,5706,5627 5682,5262,5367,5276,5716 5270,5511,5428,5458,5359 5351,5600,5285,5394,5571 5400,5265,5327,5643,5313

9	Type 6	1	333.3	9	0.3333	300	33	1	5310,5351,5297,5374,5322 5367,5523,5285,5663,5617 5454,5342,5717,5485,5281 5656,5510,5548,5648,5409 5680,5631,5630,5670,5319 5435,5483,5508,5516,5493 5647,5627,5386,5506,5462 5470,5724,5390,5420,5690 5576,5452,5497,5387,5274 5320,5487,5479,5560,5605 5381,5622,5671,5445,5489 5526,5253,5279,5502,5397 5629,5440,5678,5704,5544 5533,5608,5408,5478,5655 5481,5590,5268,5346,5673 5254,5295,5258,5459,5372 5623,5401,5267,5706,5545 5488,5650,5324,5305,5373 5559,5464,5660,5344,5698 5394,5378,5363,5321,5311
10	Type 6	1	333.3	9	0.3333	300	30	1	5565,5590,5708,5535,5542 5409,5545,5360,5351,5349 5288,5606,5283,5583,5302 5269,5637,5554,5693,5380 5417,5274,5572,5719,5643 5682,5287,5686,5612,5550 5632,5536,5584,5504,5280 5660,5512,5340,5661,5573 5604,5415,5435,5530,5271 5627,5467,5562,5618,5658 5646,5401,5527,5722,5541 5268,5336,5714,5372,5473 5526,5539,5574,5369,5650 5367,5482,5547,5715,5370 5598,5252,5464,5484,5439 5622,5305,5642,5374,5341 5711,5385,5404,5264,5523 5448,5326,5451,5270,5667 5356,5621,5303,5724,5470 5639,5386,5361,5278,5378

11	Type 6	1	333.3	9	0.3333	300	37	1	5345,5354,5644,5696,5384 5548,5470,5435,5514,5653 5694,5492,5324,5303,5323 5357,5667,5657,5641,5572 5425,5440,5610,5711,5616 5473,5414,5338,5584,5674 5541,5719,5432,5480,5651 5431,5457,5348,5615,5254 5715,5373,5295,5365,5556 5447,5645,5579,5533,5277 5703,5298,5252,5566,5280 5330,5636,5562,5403,5444 5655,5704,5519,5676,5427 5596,5568,5583,5450,5640 5304,5421,5547,5288,5598 5264,5494,5484,5695,5488 5495,5660,5293,5527,5639 5718,5351,5643,5511,5462 5632,5310,5394,5501,5476 5576,5327,5378,5333,5362
12	Type 6	1	333.3	9	0.3333	300	36	1	5503,5593,5580,5382,5604 5590,5492,5510,5385,5625 5281,5365,5498,5344,5348 5319,5285,5686,5386,5336 5509,5551,5325,5589,5361 5563,5520,5442,5618,5716 5411,5459,5681,5300,5315 5522,5350,5501,5529,5568 5323,5689,5535,5362,5485 5427,5253,5637,5667,5628 5404,5349,5341,5389,5602 5518,5277,5697,5415,5309 5394,5464,5508,5639,5391 5380,5282,5532,5582,5493 5533,5587,5515,5574,5698 5483,5614,5530,5676,5265 5605,5441,5360,5636,5438 5351,5474,5654,5500,5642 5321,5579,5482,5610,5684 5388,5443,5547,5581,5527

13	Type 6	1	333.3	9	0.3333	300	38	1	5283,5357,5516,5543,5446 5632,5417,5585,5268,5592 5459,5545,5406,5693,5365 5436,5388,5256,5578,5344 5675,5492,5317,5562,5627 5512,5723,5546,5652,5380 5300,5455,5674,5358,5498 5454,5710,5621,5654,5443 5504,5678,5359,5407,5336 5695,5720,5685,5580,5400 5430,5687,5706,5544,5467 5419,5289,5438,5559,5506 5340,5554,5329,5558,5327 5385,5662,5519,5590,5364 5550,5657,5355,5259,5673 5420,5618,5697,5524,5275 5633,5254,5424,5534,5274 5465,5315,5415,5269,5488 5547,5566,5616,5509,5427 5445,5560,5636,5347,5432
14	Type 6	1	333.3	9	0.3333	300	35	1	5538,5596,5452,5704,5666 5674,5439,5660,5431,5324 5390,5334,5544,5413,5386 5524,5573,5491,5301,5295 5352,5269,5530,5406,5535 5515,5364,5451,5650,5686 5422,5664,5412,5317,5607 5318,5496,5326,5417,5429 5454,5343,5489,5565,5443 5356,5721,5387,5419,5656 5298,5475,5283,5281,5519 5393,5498,5657,5713,5260 5470,5724,5647,5477,5531 5278,5594,5597,5663,5259 5505,5690,5688,5526,5282 5719,5638,5672,5253,5478 5338,5630,5450,5632,5266 5497,5466,5333,5366,5339 5434,5591,5581,5351,5250 5411,5442,5264,5545,5527

15	Type 6	1	333.3	9	0.3333	300	28	1	5318,5360,5388,5390,5508 5338,5364,5260,5594,5628 5321,5598,5585,5511,5407 5612,5700,5497,5724,5487 5263,5435,5471,5398,5306 5691,5654,5279,5720,5464 5650,5369,5532,5284,5516 5635,5417,5310,5582,5368 5657,5669,5503,5683,5353 5553,5270,5502,5714,5351 5362,5634,5457,5608,5711 5337,5607,5452,5372,5706 5599,5414,5396,5576,5303 5574,5616,5702,5533,5534 5489,5466,5428,5588,5693 5537,5478,5293,5402,5387 5716,5449,5266,5259,5377 5401,5627,5645,5632,5583 5557,5561,5298,5320,5339 5597,5518,5708,5262,5543
16	Type 6	1	333.3	9	0.3333	300	37	1	5573,5599,5324,5551,5253 5380,5386,5335,5660,5360 5630,5484,5626,5706,5428 5603,5255,5600,5294,5679 5271,5504,5412,5487,5481 5669,5640,5382,5480,5279 5506,5539,5326,5272,5533 5336,5299,5508,5581,5260 5282,5496,5277,5441,5448 5447,5482,5250,5585,5297 5404,5627,5510,5633,5553 5319,5534,5659,5320,5406 5562,5351,5677,5579,5438 5408,5604,5520,5342,5651 5569,5366,5284,5647,5500 5574,5318,5289,5381,5437 5522,5530,5697,5701,5376 5515,5444,5561,5624,5365 5535,5278,5641,5371,5587 5357,5552,5493,5560,5608

17	Type 6	1	333.3	9	0.3333	300	35	1	5256,5460,5260,5615,5570 5422,5311,5410,5348,5567 5561,5273,5667,5426,5449 5691,5382,5703,5339,5396 5279,5670,5353,5479,5454 5557,5492,5488,5584,5313 5645,5525,5283,5487,5685 5534,5341,5599,5377,5413 5671,5335,5360,5379,5591 5444,5411,5705,5668,5258 5457,5514,5289,5334,5604 5408,5357,5603,5263,5655 5548,5551,5269,5383,5715 5527,5466,5640,5600,5508 5576,5651,5450,5669,5560 5321,5613,5609,5642,5678 5478,5486,5296,5608,5624 5524,5438,5364,5580,5470 5606,5325,5555,5489,5375 5480,5674,5663,5282,5573
18	Type 6	1	333.3	9	0.3333	300	37	1	5511,5699,5671,5301,5315 5464,5333,5485,5396,5492 5537,5708,5621,5470,5304 5509,5331,5287,5588,5665 5264,5391,5568,5427,5348 5441,5691,5688,5347,5687 5414,5715,5605,5459,5354 5480,5312,5648,5663,5682 5271,5540,5317,5356,5718 5685,5276,5316,5413,5640 5510,5655,5497,5558,5450 5599,5692,5370,5367,5522 5434,5328,5547,5353,5412 5366,5549,5544,5408,5446 5253,5266,5546,5421,5462 5355,5481,5719,5659,5633 5499,5552,5297,5521,5280 5438,5681,5543,5565,5474 5279,5608,5375,5619,5712 5523,5257,5541,5507,5261

19	Type 6	1	333.3	9	0.3333	300	27	1	5291,5463,5607,5462,5632 5603,5258,5560,5674,5326 5274,5341,5491,5392,5636 5434,5332,5305,5673,5430 5400,5711,5293,5419,5317 5381,5254,5303,5672,5345 5611,5649,5619,5403,5541 5596,5585,5623,5633,5438 5647,5665,5359,5374,5466 5666,5516,5589,5706,5586 5394,5312,5646,5661,5493 5543,5599,5273,5476,5276 5455,5664,5498,5580,5618 5338,5531,5435,5629,5424 5311,5309,5314,5450,5310 5290,5640,5410,5609,5333 5461,5275,5518,5572,5620 5506,5282,5342,5330,5573 5718,5557,5517,5601,5708 5298,5525,5405,5304,5682
20	Type 6	1	333.3	9	0.3333	300	34	1	5546,5702,5543,5623,5377 5645,5280,5635,5265,5335 5257,5590,5315,5439,5512 5383,5288,5440,5594,5681 5596,5273,5649,5373,5502 5620,5622,5518,5415,5393 5289,5629,5560,5385,5372 5283,5494,5337,5510,5424 5706,5571,5361,5435,5479 5442,5519,5456,5392,5290 5282,5297,5679,5716,5500 5600,5275,5464,5672,5308 5577,5401,5390,5447,5450 5608,5334,5507,5615,5524 5285,5322,5430,5433,5621 5662,5719,5589,5528,5515 5292,5462,5566,5307,5284 5296,5474,5724,5399,5710 5250,5353,5509,5303,5597 5407,5428,5562,5678,5300

21	Type 6	1	333.3	9	0.3333	300	35	1	5704,5466,5479,5309,5597 5687,5680,5710,5428,5639 5566,5379,5356,5634,5533 5471,5318,5543,5422,5311 5592,5665,5641,5443,5390 5569,5350,5622,5449,5435 5653,5586,5300,5537,5667 5325,5585,5608,5269,5521 5263,5314,5509,5504,5529 5408,5528,5525,5393,5572 5343,5646,5333,5386,5502 5660,5688,5554,5465,5677 5338,5326,5454,5260,5615 5403,5347,5591,5396,5555 5515,5579,5601,5527,5387 5261,5707,5291,5550,5602 5439,5257,5370,5692,5498 5512,5487,5719,5401,5650 5335,5402,5255,5659,5722 5364,5493,5676,5510,5700
22	Type 6	1	333.3	9	0.3333	300	37	1	5484,5705,5415,5470,5439 5351,5702,5310,5591,5371 5497,5265,5494,5354,5554 5559,5445,5646,5370,5503 5600,5356,5252,5255,5416 5656,5421,5456,5251,5483 5477,5542,5543,5418,5311 5390,5464,5676,5501,5422 5435,5674,5447,5269,5526 5337,5508,5608,5451,5625 5522,5642,5384,5475,5703 5507,5401,5655,5496,5309 5455,5619,5680,5326,5414 5345,5492,5295,5318,5273 5587,5530,5711,5615,5666 5638,5670,5622,5583,5691 5367,5626,5381,5561,5412 5682,5718,5589,5286,5289 5553,5314,5329,5261,5465 5541,5463,5574,5671,5458

23	Type 6	1	333.3	9	0.3333	300	41	1	5264,5469,5351,5631,5659 5393,5627,5385,5279,5578 5428,5529,5535,5549,5575 5647,5572,5274,5415,5695 5608,5425,5668,5722,5389 5544,5370,5355,5517,5616 5528,5500,5633,5463,5685 5603,5292,5297,5349,5513 5577,5509,5523,5644,5488 5691,5412,5678,5495,5398 5343,5435,5564,5526,5451 5589,5462,5315,5280,5584 5309,5625,5336,5615,5294 5530,5702,5565,5596,5345 5670,5630,5560,5591,5607 5693,5468,5477,5407,5545 5721,5409,5402,5525,5552 5381,5483,5340,5326,5609 5494,5364,5499,5423,5465 5518,5558,5569,5716,5718
24	Type 6	1	333.3	9	0.3333	300	36	1	5519,5708,5287,5695,5501 5435,5649,5460,5442,5407 5262,5318,5576,5269,5596 5638,5699,5377,5412,5591 5706,5336,5362,5432,5697 5387,5556,5454,5658,5417 5457,5373,5712,5408,5645 5480,5568,5350,5360,5352 5660,5323,5652,5520,5573 5468,5299,5470,5634,5285 5274,5486,5275,5349,5298 5680,5416,5463,5512,5251 5713,5474,5667,5683,5453 5282,5438,5718,5566,5534 5399,5514,5656,5633,5409 5567,5584,5338,5545,5623 5490,5663,5612,5309,5406 5694,5525,5499,5448,5294 5574,5332,5659,5370,5436 5477,5415,5542,5467,5319

25	Type 6	1	333.3	9	0.3333	300	29	1	5299,5472,5698,5381,5721 5477,5574,5535,5508,5614 5668,5582,5617,5367,5251 5351,5383,5505,5604,5527 5660,5647,5328,5335,5549 5590,5488,5700,5403,5414 5588,5389,5703,5309,5571 5364,5503,5274,5666,5365 5261,5417,5517,5405,5448 5382,5528,5687,5695,5537 5717,5393,5370,5653,5331 5600,5270,5639,5612,5515 5376,5667,5269,5252,5677 5586,5642,5258,5636,5543 5458,5479,5623,5400,5444 5301,5372,5428,5341,5575 5290,5316,5345,5347,5627 5349,5470,5565,5432,5628 5676,5447,5672,5552,5468 5469,5359,5321,5325,5678
26	Type 6	1	333.3	9	0.3333	300	32	1	5457,5711,5634,5542,5563 5616,5596,5610,5671,5346 5599,5371,5658,5562,5638 5339,5381,5486,5453,5321 5535,5351,5588,5417,5308 5586,5498,5318,5289,5522 5364,5292,5706,5426,5448 5662,5257,5656,5663,5505 5674,5657,5514,5334,5428 5465,5489,5265,5437,5404 5396,5373,5564,5581,5324 5368,5625,5571,5399,5329 5557,5347,5677,5271,5462 5541,5576,5383,5280,5250 5261,5485,5519,5502,5578 5525,5604,5652,5613,5700 5435,5400,5609,5331,5635 5385,5281,5299,5595,5350 5382,5407,5695,5546,5683 5607,5263,5655,5550,5459

27	Type 6	1	333.3	9	0.3333	300	30	1	5712,5475,5570,5703,5308 5658,5521,5685,5359,5650 5433,5257,5699,5282,5659 5427,5508,5589,5498,5610 5446,5420,5626,5409,5281 5377,5350,5424,5393,5556 5406,5656,5328,5315,5721 5587,5278,5528,5431,5674 5441,5531,5515,5422,5608 5263,5408,5548,5547,5318 5324,5280,5572,5639,5542 5671,5294,5558,5347,5494 5502,5654,5600,5692,5663 5662,5577,5311,5414,5661 5352,5711,5361,5334,5398 5461,5289,5698,5668,5585 5429,5723,5481,5629,5595 5300,5329,5331,5597,5598 5624,5368,5645,5679,5485 5707,5563,5591,5636,5537
28	Type 6	1	333.3	9	0.3333	300	31	1	5492,5714,5506,5389,5625 5700,5543,5285,5522,5382 5364,5521,5265,5477,5680 5418,5635,5692,5327,5454 5586,5567,5498,5254,5299 5627,5594,5590,5448,5642 5661,5564,5541,5629,5369 5324,5584,5588,5280,5614 5453,5565,5605,5570,5291 5631,5371,5589,5534,5273 5690,5494,5355,5482,5707 5641,5513,5657,5659,5544 5486,5426,5638,5611,5516 5618,5684,5464,5697,5658 5374,5420,5258,5721,5566 5681,5358,5262,5696,5297 5621,5709,5439,5672,5304 5616,5368,5491,5475,5341 5580,5318,5281,5380,5519 5537,5362,5645,5524,5325

29	Type 6	1	333.3	9	0.3333	300	31	1	5272,5478,5539,5550,5370 5267,5565,5360,5588,5589 5295,5310,5306,5672,5701 5506,5287,5320,5491,5519 5462,5655,5508,5490,5702 5531,5626,5355,5698,5624 5717,5401,5716,5264,5293 5557,5692,5262,5502,5594 5319,5391,5330,5602,5499 5271,5336,5663,5424,5476 5410,5449,5266,5342,5317 5299,5670,5564,5463,5460 5387,5311,5349,5489,5415 5252,5681,5687,5560,5552 5353,5576,5593,5683,5464 5507,5350,5379,5605,5366 5382,5547,5361,5371,5518 5385,5721,5294,5341,5612 5378,5621,5389,5457,5292 5534,5497,5412,5374,5597
30	Type 6	1	333.3	9	0.3333	300	40	1	5430,5717,5475,5711,5687 5406,5490,5435,5276,5321 5604,5574,5444,5295,5722 5594,5414,5326,5536,5373 5346,5546,5579,5675,5419 5478,5558,5327,5658,5629 5420,5674,5519,5559,5432 5648,5488,5512,5513,5433 5402,5329,5570,5599,5331 5251,5624,5477,5266,5286 5625,5317,5431,5518,5621 5653,5279,5358,5343,5514 5434,5650,5627,5413,5509 5491,5660,5371,5545,5665 5291,5467,5259,5338,5486 5428,5528,5613,5481,5299 5549,5309,5612,5695,5681 5581,5422,5540,5386,5699 5503,5446,5256,5462,5640 5427,5377,5487,5398,5307

Channel: 5570 MHz

Radar Type 1A Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 1	1	1428	18	25704	1
2	Type 1	1	1428	18	25704	1
3	Type 1	1	1428	18	25704	1
4	Type 1	1	1428	18	25704	1
5	Type 1	1	1428	18	25704	1
6	Type 1	1	1428	18	25704	1
7	Type 1	1	1428	18	25704	1
8	Type 1	1	1428	18	25704	1
9	Type 1	1	1428	18	25704	1
10	Type 1	1	1428	18	25704	1
11	Type 1	1	1428	18	25704	1
12	Type 1	1	1428	18	25704	1
13	Type 1	1	1428	18	25704	1
14	Type 1	1	1428	18	25704	1
15	Type 1	1	1428	18	25704	1
Detection Percentage:100 % (>60%)						

Radar Type 1B Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 1	1	1428	18	25704	1
2	Type 1	1	1428	18	25704	1
3	Type 1	1	1428	18	25704	1
4	Type 1	1	1428	18	25704	1
5	Type 1	1	1428	18	25704	1
6	Type 1	1	1428	18	25704	1
7	Type 1	1	1428	18	25704	1
8	Type 1	1	1428	18	25704	1
9	Type 1	1	1428	18	25704	1
10	Type 1	1	1428	18	25704	1
11	Type 1	1	1428	18	25704	1
12	Type 1	1	1428	18	25704	1
13	Type 1	1	1428	18	25704	1
14	Type 1	1	1428	18	25704	1
15	Type 1	1	1428	18	25704	1

Detection Percentage:100 % (>60%)

Radar Type 2 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 2	3.2	179	26	4654	1
2	Type 2	1.1	207	23	4761	1
3	Type 2	2.1	230	24	5520	1
4	Type 2	4.8	200	29	5800	1
5	Type 2	3.9	214	28	5992	1
6	Type 2	2.9	222	26	5772	1
7	Type 2	3.2	204	26	5304	1
8	Type 2	2.5	192	25	4800	1
9	Type 2	3.1	164	26	4264	0
10	Type 2	1.2	156	23	3588	1
11	Type 2	3.9	210	27	5670	1
12	Type 2	4.6	201	29	5829	1
13	Type 2	3.2	162	26	4212	1
14	Type 2	2.2	197	25	4925	1
15	Type 2	4.5	163	29	4727	1
16	Type 2	3	203	26	5278	0
17	Type 2	5	168	29	4872	1
18	Type 2	2.4	217	25	5425	1
19	Type 2	2.9	191	26	4966	1
20	Type 2	2.3	166	25	4150	1
21	Type 2	3.7	150	27	4050	1
22	Type 2	2.2	176	25	4400	1
23	Type 2	4.9	195	29	5655	0
24	Type 2	2.9	202	26	5252	1
25	Type 2	2.5	178	25	4450	1
26	Type 2	1.1	206	23	4738	1
27	Type 2	3.8	155	27	4185	1
28	Type 2	4.7	157	29	4553	1
29	Type 2	2.4	224	25	5600	1
30	Type 2	4.2	159	28	4452	1
Detection Percentage:90 % (>60%)						

Radar Type 3 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 3	8.2	355	17	6035	1
2	Type 3	6.1	487	16	7792	1
3	Type 3	7.1	344	16	5504	1
4	Type 3	9.8	288	18	5184	1
5	Type 3	8.9	230	18	4140	1
6	Type 3	7.9	432	17	7344	1
7	Type 3	8.2	207	17	3519	1
8	Type 3	7.5	443	17	7531	1
9	Type 3	8.1	439	17	7463	1
10	Type 3	6.2	223	16	3568	1
11	Type 3	8.9	208	18	3744	1
12	Type 3	9.6	463	18	8334	1
13	Type 3	8.2	441	17	7497	1
14	Type 3	7.2	323	16	5168	1
15	Type 3	9.5	297	18	5346	1
16	Type 3	8	412	17	7004	1
17	Type 3	10	324	18	5832	1
18	Type 3	7.4	271	17	4607	1
19	Type 3	7.9	349	17	5933	0
20	Type 3	7.3	409	16	6544	1
21	Type 3	8.7	373	18	6714	1
22	Type 3	7.2	254	16	4064	1
23	Type 3	9.9	274	18	4932	1
24	Type 3	7.9	278	17	4726	1
25	Type 3	7.5	317	17	5389	1
26	Type 3	6.1	260	16	4160	1
27	Type 3	8.8	211	18	3798	1
28	Type 3	9.7	272	18	4896	1
29	Type 3	7.4	264	17	4488	1
30	Type 3	9.2	284	18	5112	1
Detection Percentage: 96.7 % (>60%)						

Radar Type 4 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Number of Pulses	Waveform length（μs）	Detection (1:yes; 0:no)
1	Type 4	16	355	14	4970	1
2	Type 4	11.3	487	12	5844	1
3	Type 4	13.5	344	13	4472	1
4	Type 4	19.4	288	16	4608	1
5	Type 4	17.5	230	15	3450	1
6	Type 4	15.3	432	14	6048	1
7	Type 4	15.9	207	14	2898	1
8	Type 4	14.3	443	13	5759	1
9	Type 4	15.8	439	14	6146	1
10	Type 4	11.5	223	12	2676	1
11	Type 4	17.4	208	15	3120	1
12	Type 4	19	463	16	7408	1
13	Type 4	16	441	14	6174	1
14	Type 4	13.8	323	13	4199	0
15	Type 4	18.9	297	16	4752	1
16	Type 4	15.5	412	14	5768	1
17	Type 4	19.9	324	16	5184	1
18	Type 4	14.1	271	13	3523	1
19	Type 4	15.2	349	14	4886	1
20	Type 4	13.8	409	13	5317	1
21	Type 4	17.1	373	15	5595	1
22	Type 4	13.8	254	13	3302	1
23	Type 4	19.8	274	16	4384	1
24	Type 4	15.3	278	14	3892	1
25	Type 4	14.5	317	13	4121	1
26	Type 4	11.3	260	12	3120	1
27	Type 4	17.3	211	15	3165	1
28	Type 4	19.2	272	16	4352	1
29	Type 4	14.2	264	13	3432	1
30	Type 4	18.2	284	15	4260	1
Detection Percentage: 96.7 % (>60%)						

Radar Type 5 Statistical Performance

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	636623	77.8	13.00	2	1556	1038	-	1
2	32666	51.9	13.00	1	1276	-	-	1
3	226196	63.8	13.00	1	1932	-	-	1
4	418278	96.6	13.00	3	1718	1475	1544	1
5	611745	85.9	13.00	3	1368	1535	1064	1
6	8779	73.7	13.00	2	1715	1887	-	1
7	202117	77.2	13.00	2	1552	1314	-	1
8	395198	68.4	13.00	2	1870	1500	-	1
9	588430	76.7	13.00	2	1988	1348	-	1
10	783475	53.2	13.00	1	1473	-	-	1
11	177982	85.7	13.00	3	1318	1676	1310	1
12	370714	94.3	13.00	3	1973	1477	1390	1
13	565059	77.6	13.00	2	1038	1693	-	1
14	759205	65.7	13.00	1	1908	-	-	1
15	154116	93.5	13.00	3	1361	1793	1639	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	653267	75	5.00	2	1766	1074	-	1
2	1015342	99.4	5.00	3	1826	1363	1174	1
3	1379673	67.4	5.00	2	1506	1129	-	1
4	245381	73.6	5.00	2	1994	1155	-	1
5	609211	65.9	5.00	1	1190	-	-	1
6	970315	83.8	5.00	3	1600	1640	1656	1
7	1335720	65.5	5.00	1	1761	-	-	1
8	200392	98.6	5.00	3	1864	1409	1907	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	409465	73.8	9.00	2	1639	1970	-	1
2	673541	69.5	9.00	2	1301	1709	-	1
3	938405	51.9	9.00	1	1833	-	-	1
4	113243	84.6	9.00	3	1346	1359	1246	1
5	376706	95.4	9.00	3	1066	1801	1542	1
6	640774	68	9.00	2	1679	1783	-	1
7	903746	89.6	9.00	3	1637	1006	1743	1
8	80813	81.9	9.00	2	1426	1951	-	1
9	343904	88.3	9.00	3	1812	1727	1953	1
10	609276	53.7	9.00	1	1695	-	-	1
11	870628	91.3	9.00	3	1995	1858	1355	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	26552	68.1	19.00	2	1317	1127	-	1
2	171871	58.7	19.00	1	1075	-	-	1
3	316116	75.3	19.00	2	1671	1317	-	1
4	461891	56.4	19.00	1	1718	-	-	1
5	8664	99.7	19.00	3	1527	1631	1788	1
6	153929	57.7	19.00	1	1269	-	-	1
7	299079	59.5	19.00	1	1392	-	-	1
8	442752	80	19.00	2	1491	1932	-	1
9	587204	82	19.00	2	1934	1730	-	1
10	135744	82.8	19.00	2	1467	1116	-	1
11	279781	88	19.00	3	1108	1707	1589	1
12	424346	93.2	19.00	3	1315	1373	1555	1
13	569553	70.4	19.00	2	1593	1899	-	1
14	117598	95.3	19.00	3	1229	1812	1052	1
15	262325	81.9	19.00	2	1683	1955	-	1
16	405781	98.5	19.00	3	1946	1977	1445	1
17	553711	65	19.00	1	1353	-	-	1
18	99809	85.4	19.00	3	1515	1218	1284	1
19	244192	91.6	19.00	3	1576	1751	1083	1
20	390174	67.3	19.00	2	1014	1047	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	628798	67.9	16.00	2	1997	1368	-	1
2	96903	62.3	16.00	1	1616	-	-	1
3	267849	53.3	16.00	1	1251	-	-	1
4	437286	90	16.00	3	1496	1016	1081	1
5	608043	77.1	16.00	2	1260	1836	-	1
6	75592	83.9	16.00	3	1587	1287	1269	1
7	245640	89.1	16.00	3	1040	1945	1574	1
8	416504	81.8	16.00	2	1484	1774	-	1
9	588726	50.3	16.00	1	1087	-	-	1
10	54535	87.1	16.00	3	1908	1475	1949	1
11	225137	71.3	16.00	2	1834	1325	-	1
12	395073	97.5	16.00	3	1416	1046	1579	1
13	565234	90.6	16.00	3	1419	1512	1182	1
14	33645	86.3	16.00	3	1541	1359	1624	1
15	203835	97.6	16.00	3	1575	1267	1378	1
16	373694	84.7	16.00	3	1187	1979	1647	1
17	543192	99.7	16.00	3	1735	1795	1972	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	15441	92.9	12.00	3	1423	1118	1358	1
2	222649	67.7	12.00	2	1689	1176	-	1
3	430620	65.8	12.00	1	1312	-	-	1
4	637993	56.3	12.00	1	1571	-	-	1
5	845422	53.7	12.00	1	1646	-	-	1
6	196574	83.5	12.00	3	1802	1804	1663	1
7	405116	65.8	12.00	1	1177	-	-	1
8	610836	85.9	12.00	3	1540	1100	1162	1
9	819293	76.3	12.00	2	1043	1199	-	1
10	171555	81.5	12.00	2	1205	1918	-	1
11	378184	89.4	12.00	3	1599	1571	1077	1
12	587063	63.4	12.00	1	1295	-	-	1
13	793149	69.6	12.00	2	1228	1665	-	1
14	145983	74.5	12.00	2	1695	1775	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	328985	96.6	13.00	3	1567	1387	1506	1
2	522498	96.7	13.00	3	1127	1354	1112	1
3	714615	86.5	13.00	3	1505	1526	1715	1
4	112383	73.3	13.00	2	1968	1729	-	1
5	306212	55.8	13.00	1	1872	-	-	1
6	500163	55.4	13.00	1	1266	-	-	1
7	690552	85.3	13.00	3	1849	1867	1382	1
8	88623	79.4	13.00	2	1739	1698	-	1
9	282519	65.7	13.00	1	1447	-	-	1
10	475743	68.6	13.00	2	1034	1167	-	1
11	669102	77.7	13.00	2	1216	1143	-	1
12	64844	79.6	13.00	2	1779	1441	-	1
13	257701	94.9	13.00	3	1818	1196	1400	1
14	452394	61.4	13.00	1	1345	-	-	1
15	643963	90.6	13.00	3	1825	1130	1024	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	51432	52.6	10.00	1	1482	-	-	1
2	292922	84.1	10.00	3	1539	1004	1258	1
3	534275	97.7	10.00	3	1295	1677	1308	1
4	776241	97.3	10.00	3	1064	1035	1575	1
5	21547	98.8	10.00	3	1449	1076	1472	1
6	263377	72.2	10.00	2	1334	1651	-	1
7	504945	67.6	10.00	2	1752	1705	-	1
8	746790	75.7	10.00	2	1696	1558	-	1
9	990242	60.9	10.00	1	1531	-	-	1
10	234006	64.2	10.00	1	1218	-	-	1
11	475264	78.8	10.00	2	1661	1608	-	1
12	716245	87.5	10.00	3	1351	1243	1728	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	822851	54.1	13.00	1	1687	-	-	1
2	174900	50.7	13.00	1	1538	-	-	1
3	382242	52.3	13.00	1	1917	-	-	1
4	588103	99.8	13.00	3	1104	1181	1891	1
5	795565	68.4	13.00	2	1838	1705	-	1
6	149063	80.8	13.00	2	1390	1729	-	1
7	356723	62.5	13.00	1	1844	-	-	1
8	563598	74.8	13.00	2	1609	1087	-	1
9	772302	50.8	13.00	1	1062	-	-	1
10	123800	54	13.00	1	1389	-	-	1
11	331350	63	13.00	1	1382	-	-	1
12	536393	91.8	13.00	3	2000	1593	1768	1
13	745583	79.3	13.00	2	1067	1307	-	1
14	98268	64.3	13.00	1	1107	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	535571	63.4	6.00	1	1166	-	-	1
2	898917	52	6.00	1	1446	-	-	1
3	1259697	97.2	6.00	3	1696	1650	1267	1
4	127089	78.7	6.00	2	1600	1807	-	1
5	489947	74.2	6.00	2	1822	1933	-	1
6	852558	88.7	6.00	3	1655	1015	1568	1
7	1217152	54.3	6.00	1	1991	-	-	1
8	82300	95.4	6.00	3	1772	1149	1932	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	209176	73.7	16.00	2	1394	1559	-	1
2	378577	97.4	16.00	3	1240	1768	1946	1
3	548594	91.7	16.00	3	1924	1909	1096	1
4	17727	66.2	16.00	1	1609	-	-	1
5	188261	70.8	16.00	2	1495	1142	-	1
6	359227	52.3	16.00	1	1838	-	-	1
7	529350	78.9	16.00	2	1662	1014	-	1
8	699817	70.9	16.00	2	1584	1175	-	1
9	167165	75.6	16.00	2	1421	1580	-	1
10	338419	59.1	16.00	1	1371	-	-	1
11	508194	77	16.00	2	1471	1410	-	1
12	678428	67.9	16.00	2	1532	1624	-	1
13	146139	81.2	16.00	2	1237	1899	-	1
14	316473	78.7	16.00	2	1570	1797	-	1
15	488365	63.3	16.00	1	1188	-	-	1
16	657474	68.9	16.00	2	1593	1521	-	1
17	125512	59.3	16.00	1	1072	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	264001	98.9	19.00	3	1619	1232	1068	1
2	417231	82.3	19.00	2	1198	1209	-	1
3	567901	86.7	19.00	3	1828	1541	1162	1
4	92954	89.7	19.00	3	1243	1538	1600	1
5	245112	98.6	19.00	3	1040	1773	1458	1
6	397977	71.1	19.00	2	1971	1159	-	1
7	551457	55.9	19.00	1	1918	-	-	1
8	74391	67.9	19.00	2	1071	1841	-	1
9	226484	84.4	19.00	3	1147	1411	1401	1
10	380077	58.8	19.00	1	1680	-	-	1
11	532981	65.6	19.00	1	1522	-	-	1
12	55531	78.5	19.00	2	1864	1937	-	1
13	208094	82.3	19.00	2	1003	1870	-	1
14	359800	90.1	19.00	3	1376	1127	1721	1
15	512124	90.2	19.00	3	1504	1088	1423	1
16	36816	83.1	19.00	2	1524	1605	-	1
17	189697	58.8	19.00	1	1594	-	-	1
18	341619	77	19.00	2	1818	1374	-	1
19	495472	55	19.00	1	1349	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	22912	58.1	13.00	1	1881	-	-	1
2	216607	52.1	13.00	1	1417	-	-	1
3	410438	59.9	13.00	1	1127	-	-	1
4	603580	60.2	13.00	1	1934	-	-	1
5	793918	95.9	13.00	3	1812	1491	1852	1
6	192196	79.9	13.00	2	1781	1930	-	1
7	385525	78.5	13.00	2	1410	1880	-	1
8	580331	53.8	13.00	1	1116	-	-	1
9	773468	64.7	13.00	1	1754	-	-	1
10	168902	61.4	13.00	1	1373	-	-	1
11	361910	83.2	13.00	2	1662	1218	-	1
12	554151	84.7	13.00	3	1554	1548	1336	1
13	746788	88.7	13.00	3	1274	1825	1672	1
14	144765	78.3	13.00	2	1788	1116	-	1
15	338082	69.3	13.00	2	1819	1095	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	664476	75.3	10.00	2	1954	1350	-	1
2	907451	56.3	10.00	1	1935	-	-	1
3	151297	67.7	10.00	2	1366	1567	-	1
4	393839	55.6	10.00	1	1100	-	-	1
5	634772	75.2	10.00	2	1699	1492	-	1
6	876467	76.3	10.00	2	1267	1996	-	1
7	121291	85.7	10.00	3	1273	1747	1712	1
8	363058	98.4	10.00	3	1372	1084	1224	1
9	603800	86.4	10.00	3	1942	1967	1248	1
10	845154	93.6	10.00	3	1604	1751	1716	1
11	91831	63.3	10.00	1	1762	-	-	1
12	333386	92.4	10.00	3	1306	1050	1046	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	362087	93.3	18.00	3	1482	1099	1525	1
2	515307	69.1	18.00	2	1209	1630	-	1
3	38994	86.9	18.00	3	1010	1114	1716	1
4	190922	84.9	18.00	3	1539	1502	1847	1
5	343724	72.3	18.00	2	1563	1845	-	1
6	497361	51.7	18.00	1	1780	-	-	1
7	20319	58.3	18.00	1	1419	-	-	1
8	173196	60.8	18.00	1	1262	-	-	1
9	326148	57.1	18.00	1	1106	-	-	1
10	475778	88.9	18.00	3	1668	1946	1808	1
11	1488	72	18.00	2	1837	1965	-	1
12	153567	90.9	18.00	3	1190	1601	1731	1
13	306964	59.8	18.00	1	1822	-	-	1
14	458779	70	18.00	2	1870	1214	-	1
15	611697	67.2	18.00	2	1345	1237	-	1
16	134832	91.2	18.00	3	1589	1629	1315	1
17	288289	56.5	18.00	1	1520	-	-	1
18	441028	51.2	18.00	1	1620	-	-	1
19	591978	74.1	18.00	2	1599	1968	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	158254	76.9	12.00	2	1058	1366	-	1
2	366047	50.2	12.00	1	1262	-	-	1
3	573377	62.9	12.00	1	1632	-	-	1
4	780532	64.7	12.00	1	1997	-	-	1
5	132351	83.8	12.00	3	1835	1584	1378	1
6	340432	65.4	12.00	1	1378	-	-	1
7	548146	53.2	12.00	1	1122	-	-	1
8	755450	51.7	12.00	1	1470	-	-	1
9	107154	78.7	12.00	2	1184	1489	-	1
10	314379	72.4	12.00	2	1610	1094	-	1
11	522427	53.8	12.00	1	1361	-	-	1
12	729049	73.6	12.00	2	1243	1210	-	1
13	81555	66.7	12.00	2	1518	1911	-	1
14	288616	82.5	12.00	2	1925	1479	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	345538	87.6	20.00	3	1809	1142	1902	1
2	490101	85.2	20.00	3	1370	1301	1914	1
3	39145	84.8	20.00	3	1217	1247	1324	1
4	183993	77.9	20.00	2	1160	1822	-	1
5	329141	76.5	20.00	2	1295	1048	-	1
6	474918	60.9	20.00	1	1301	-	-	1
7	21367	83	20.00	2	1684	1175	-	1
8	166161	80.4	20.00	2	1841	1130	-	1
9	311033	67.5	20.00	2	1607	1223	-	1
10	456993	62.1	20.00	1	1352	-	-	1
11	3520	86.4	20.00	3	1700	1399	1030	1
12	147826	84.3	20.00	3	1858	1628	1494	1
13	293433	76.9	20.00	2	1268	1072	-	1
14	437093	95.8	20.00	3	1310	1101	1689	1
15	584602	55.2	20.00	1	1043	-	-	1
16	130793	59	20.00	1	1580	-	-	1
17	274624	94.5	20.00	3	1558	1119	1732	1
18	418777	91.9	20.00	3	1627	1533	1671	1
19	563823	85.2	20.00	3	1161	1131	1800	1
20	112710	69.5	20.00	2	1309	1364	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	429259	86.4	10.00	3	1194	1562	1794	1
2	670979	92.2	10.00	3	1679	1068	1370	1
3	913818	80.4	10.00	2	1387	1304	-	1
4	158545	54.3	10.00	1	1702	-	-	1
5	400895	53.1	10.00	1	1126	-	-	1
6	642041	69.4	10.00	2	1109	1744	-	1
7	883409	69.1	10.00	2	1871	1514	-	1
8	128290	100	10.00	3	1674	1420	1951	1
9	370659	79.6	10.00	2	1175	1014	-	1
10	611891	88.4	10.00	3	1058	1132	1252	1
11	855277	53.3	10.00	1	1469	-	-	1
12	98894	65.3	10.00	1	1745	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	292264	55.3	12.00	1	1564	-	-	1
2	499839	58.3	12.00	1	1444	-	-	1
3	706241	72.3	12.00	2	1214	1599	-	1
4	59016	84.8	12.00	3	1938	1061	1221	1
5	266259	82.5	12.00	2	1902	1090	-	1
6	474152	63.3	12.00	1	1667	-	-	1
7	680785	80	12.00	2	1664	1066	-	1
8	33532	90.3	12.00	3	1701	1591	1004	1
9	240164	91.1	12.00	3	1941	1715	1385	1
10	447244	96.6	12.00	3	1343	1453	1448	1
11	654869	82.7	12.00	2	1376	1863	-	1
12	8084	50.7	12.00	1	1112	-	-	1
13	215195	78.4	12.00	2	1860	1251	-	1
14	421414	99.5	12.00	3	1211	1957	1785	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	733776	88.6	10.00	3	1250	1232	1944	1
2	978500	57.4	10.00	1	1092	-	-	1
3	221259	96.6	10.00	3	1049	1114	1625	1
4	463263	69.7	10.00	2	1156	1790	-	1
5	705037	77.9	10.00	2	1367	1640	-	1
6	947884	62	10.00	1	1907	-	-	1
7	191445	88.4	10.00	3	1209	1654	1204	1
8	432506	97.3	10.00	3	1852	1608	1720	1
9	674848	96.2	10.00	3	1360	1171	1074	1
10	915221	95.4	10.00	3	1344	1748	1910	1
11	162187	54.8	10.00	1	1015	-	-	1
12	403878	80.4	10.00	2	1296	1188	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	483824	74.7	15.00	2	1583	1101	-	1
2	665910	57.1	15.00	1	1741	-	-	1
3	98722	91.9	15.00	3	1686	1852	1265	1
4	280148	83.1	15.00	2	1116	1841	-	1
5	462269	50.7	15.00	1	1435	-	-	1
6	641874	79.2	15.00	2	1722	1975	-	1
7	76783	58.7	15.00	1	1652	-	-	1
8	257866	71	15.00	2	1476	1380	-	1
9	438568	79	15.00	2	1785	1927	-	1
10	620389	68.5	15.00	2	1017	1704	-	1
11	54344	73.5	15.00	2	1548	1239	-	1
12	235380	70.5	15.00	2	1723	1658	-	1
13	416942	76.6	15.00	2	1262	1252	-	1
14	597534	81.2	15.00	2	1532	1852	-	1
15	32065	61.8	15.00	1	1786	-	-	1
16	212584	94.9	15.00	3	1710	1907	1485	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	526804	78.5	9.00	2	1033	1077	-	1
2	766810	89.8	9.00	3	1754	1928	1041	1
3	12967	59.4	9.00	1	1054	-	-	1
4	254814	79.6	9.00	2	1048	1683	-	1
5	496335	76	9.00	2	1789	1641	-	1
6	739766	53.6	9.00	1	1092	-	-	1
7	979583	80.9	9.00	2	1815	1770	-	1
8	225383	61.6	9.00	1	1130	-	-	1
9	467404	53.4	9.00	1	1634	-	-	1
10	709942	59.9	9.00	1	1068	-	-	1
11	951435	60.4	9.00	1	1885	-	-	1
12	194882	91.4	9.00	3	1792	1291	1419	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	261690	77	20.00	2	1730	1206	-	1
2	407496	58.1	20.00	1	1468	-	-	1
3	553039	62.1	20.00	1	1057	-	-	1
4	98971	76.9	20.00	2	1466	1926	-	1
5	243693	80	20.00	2	1841	1488	-	1
6	389821	52	20.00	1	1153	-	-	1
7	531723	88.6	20.00	3	2000	1481	1407	1
8	81080	72.9	20.00	2	1935	1952	-	1
9	225051	98.5	20.00	3	1689	1898	1899	1
10	371684	57.9	20.00	1	1550	-	-	1
11	513892	95.9	20.00	3	1339	1731	1878	1
12	63543	53.5	20.00	1	1336	-	-	1
13	207470	92	20.00	3	1916	1909	1146	1
14	353593	57.3	20.00	1	1910	-	-	1
15	497722	70.5	20.00	2	1889	1132	-	1
16	45525	70	20.00	2	1619	1464	-	1
17	189563	84	20.00	3	1968	1995	1419	1
18	334977	76.1	20.00	2	1488	1756	-	1
19	478188	93.2	20.00	3	1828	1610	1697	1
20	27659	96.8	20.00	3	1462	1116	1215	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	247197	50.1	12.00	1	1562	-	-	1
2	453153	93.5	12.00	3	1529	1790	1159	1
3	660655	68.8	12.00	2	1687	1881	-	1
4	14128	56.3	12.00	1	1820	-	-	1
5	220915	86	12.00	3	1442	1738	1170	1
6	428528	75.2	12.00	2	1335	1453	-	1
7	636648	54.4	12.00	1	1562	-	-	1
8	842797	71.1	12.00	2	1542	1394	-	1
9	195782	76.2	12.00	2	1291	1561	-	1
10	402683	80.2	12.00	2	1912	1557	-	1
11	610243	79.7	12.00	2	1037	1708	-	1
12	815692	90.9	12.00	3	1871	1691	1032	1
13	170136	68.7	12.00	2	1488	1990	-	1
14	377546	67.4	12.00	2	1446	1195	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	628743	94	11.00	3	1862	1287	1201	1
2	853454	70.8	11.00	2	1088	1222	-	1
3	156136	56.3	11.00	1	1516	-	-	1
4	378517	96.7	11.00	3	1316	1809	1126	1
5	601369	90.6	11.00	3	1749	1461	1029	1
6	825544	74.5	11.00	2	1068	1691	-	1
7	128146	92.6	11.00	3	1882	1293	1633	1
8	350649	89	11.00	3	1541	1858	1948	1
9	574102	96.5	11.00	3	1361	1536	1049	1
10	797240	70.5	11.00	2	1787	1906	-	1
11	100771	94	11.00	3	1079	1508	1692	1
12	324468	55.8	11.00	1	1840	-	-	1
13	545941	87.7	11.00	3	1757	1673	1698	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	1253346	68.6	5.00	2	1434	1625	-	1
2	119462	83.1	5.00	2	1582	1450	-	1
3	482866	60.9	5.00	1	1970	-	-	1
4	845899	77.7	5.00	2	1246	1231	-	1
5	1209262	77.4	5.00	2	1046	1225	-	1
6	74755	66.8	5.00	2	1587	1165	-	1
7	438159	63.7	5.00	1	1813	-	-	1
8	799839	91.2	5.00	3	1451	1528	1970	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	545416	83.6	16.00	3	1017	1990	1397	1
2	14066	89.4	16.00	3	1401	1948	1131	1
3	184961	55.8	16.00	1	1500	-	-	1
4	354333	90.9	16.00	3	1835	1325	1237	1
5	526694	54.7	16.00	1	1416	-	-	1
6	695652	97.7	16.00	3	1183	1142	1007	1
7	163430	67.5	16.00	2	1626	1970	-	1
8	333465	96.7	16.00	3	1371	1076	1764	1
9	504482	68.3	16.00	2	1596	1445	-	1
10	675424	78.3	16.00	2	1109	1431	-	1
11	142911	55	16.00	1	1324	-	-	1
12	312370	84.9	16.00	3	1386	1310	1812	1
13	483170	74.6	16.00	2	1723	1776	-	1
14	655500	63.3	16.00	1	1371	-	-	1
15	121408	99.8	16.00	3	1238	1335	1378	1
16	292829	63.6	16.00	1	1111	-	-	1
17	461438	87.3	16.00	3	1491	1704	1442	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	564587	85.6	19.00	3	1355	1726	1567	1
2	89838	68.6	19.00	2	1936	1791	-	1
3	243065	54.2	19.00	1	1256	-	-	1
4	395965	61.2	19.00	1	1213	-	-	1
5	546679	97.1	19.00	3	1554	1063	1088	1
6	71022	98.3	19.00	3	1038	1601	1618	1
7	224043	62.4	19.00	1	1796	-	-	1
8	375811	80.2	19.00	2	1736	1688	-	1
9	526524	87.5	19.00	3	1933	1524	1910	1
10	52332	85.8	19.00	3	1558	1072	1014	1
11	204270	88.1	19.00	3	1638	1320	1778	1
12	358389	65.3	19.00	1	1059	-	-	1
13	510583	52.5	19.00	1	1956	-	-	1
14	33661	52.3	19.00	1	2000	-	-	1
15	186091	74.1	19.00	2	1080	1807	-	1
16	339568	54.9	19.00	1	1031	-	-	1
17	490613	76.2	19.00	2	1518	1924	-	1
18	14864	60.4	19.00	1	1527	-	-	1
19	167448	81.5	19.00	2	1015	1351	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	508045	50.5	10.00	1	1196	-	-	1
2	749937	55.7	10.00	1	1661	-	-	1
3	989019	85.8	10.00	3	1656	1854	1218	1
4	235517	76.9	10.00	2	1772	1323	-	1
5	477346	75.1	10.00	2	1221	1773	-	1
6	718529	92.3	10.00	3	1122	1158	1577	1
7	960804	78.1	10.00	2	1503	1649	-	1
8	205421	92.2	10.00	3	1446	1589	1583	1
9	447174	89	10.00	3	1145	1370	1341	1
10	689823	70.9	10.00	2	1088	1246	-	1
11	932887	63.1	10.00	1	1157	-	-	1
12	176194	55.3	10.00	1	1731	-	-	1

Burst ID	Burst Offset (us)	Pulse Width (us)	Chirp Width (MHz)	Number of Pulses per Burst	PRI-1 (us)	PRI-2 (us)	PRI-3 (us)	Detection (1:yes; 0:no)
1	277683	83.4	17.00	3	1301	1213	1473	1
2	438503	97.3	17.00	3	1258	1057	1522	1
3	598617	90.4	17.00	3	1679	1090	1780	1
4	97142	91.8	17.00	3	1385	1491	1272	1
5	257779	98.2	17.00	3	1869	1055	1339	1
6	420304	59.5	17.00	1	1301	-	-	1
7	580095	80	17.00	2	1693	1417	-	1
8	77238	86.5	17.00	3	1548	1656	1903	1
9	237974	91.1	17.00	3	1379	1497	1433	1
10	398356	93.5	17.00	3	1360	1444	1937	1
11	561396	60.7	17.00	1	1778	-	-	1
12	57672	67.2	17.00	2	1157	1676	-	1
13	219189	61.8	17.00	1	1263	-	-	1
14	379317	79.4	17.00	2	1952	1503	-	1
15	540148	81.4	17.00	2	1926	1552	-	1
16	37944	65.7	17.00	1	1005	-	-	1
17	198981	76	17.00	2	1299	1065	-	1
18	360068	81	17.00	2	1163	1251	-	1

Radar Type 6 Statistical Performance

Trial ID	Rader Type	Pulse Width（μs）	PRI（μs）	Pulses Per Hop	Hopping Rate (kHz)	Hopping Sequence Length (ms)	Visible Frequency Number	Detection (1:yes; 0:no)	Hopping Sequence (MHz)
1	Type 6	1	333.3	9	0.3333	300	32	1	5364,5717,5334,5705,5549 5312,5260,5635,5503,5570 5347,5508,5292,5447,5588 5621,5638,5296,5482,5455 5636,5593,5434,5306,5411 5556,5378,5478,5432,5341 5438,5294,5496,5285,5327 5293,5502,5277,5403,5330 5612,5720,5544,5615,5561 5676,5704,5366,5290,5387 5278,5723,5383,5368,5263 5630,5375,5718,5281,5604 5453,5509,5479,5400,5262 5354,5467,5545,5466,5611 5715,5402,5568,5641,5396 5567,5557,5674,5359,5392 5313,5537,5258,5475,5272 5388,5474,5555,5410,5355 5517,5382,5386,5664,5697 5721,5268,5489,5706,5525
2	Type 6	1	333.3	9	0.3333	300	27	1	5619,5578,5270,5294,5354 5660,5710,5666,5399,5656 5297,5333,5642,5609,5709 5668,5527,5647,5547,5284 5375,5395,5384,5444,5705 5584,5536,5480,5658,5453 5403,5576,5588,5641,5465 5674,5580,5623,5559,5627 5553,5704,5673,5633,5724 5373,5348,5331,5513,5637 5544,5314,5585,5697,5257 5672,5471,5423,5424,5638 5644,5345,5569,5655,5413 5271,5415,5550,5371,5335 5382,5416,5533,5706,5558 5535,5692,5256,5436,5716 5385,5669,5458,5349,5456 5336,5634,5703,5352,5280 5506,5313,5690,5326,5631 5628,5546,5289,5490,5590

3	Type 6	1	333.3	9	0.3333	300	25	1	5302,5342,5681,5455,5611 5493,5682,5310,5257,5606 5587,5561,5374,5362,5630 5322,5320,5502,5475,5364 5555,5353,5316,5387,5357 5332,5654,5312,5262,5409 5522,5547,5410,5618,5253 5311,5683,5556,5470,5258 5537,5398,5710,5491,5469 5670,5465,5704,5456,5406 5384,5400,5513,5720,5365 5296,5276,5641,5445,5626 5564,5620,5395,5334,5290 5401,5578,5359,5569,5586 5282,5649,5407,5368,5647 5643,5509,5592,5675,5678 5581,5275,5381,5512,5600 5304,5382,5389,5458,5666 5419,5642,5350,5526,5519 5709,5692,5418,5653,5354
4	Type 6	1	333.3	9	0.3333	300	33	1	5557,5581,5617,5616,5356 5535,5704,5385,5420,5338 5518,5350,5415,5651,5313 5447,5605,5520,5653,5563 5519,5257,5476,5330,5598 5506,5515,5366,5443,5661 5533,5367,5358,5502,5606 5347,5647,5266,5411,5451 5334,5332,5709,5667,5394 5684,5539,5464,5437,5665 5389,5421,5416,5574,5488 5536,5580,5279,5439,5324 5499,5710,5708,5404,5305 5295,5525,5589,5359,5452 5576,5272,5492,5388,5551 5547,5323,5724,5256,5721 5293,5379,5584,5361,5508 5479,5693,5341,5655,5715 5629,5494,5401,5637,5423 5280,5316,5662,5281,5649

5	Type 6	1	333.3	9	0.3333	300	37	1	5337,5345,5553,5302,5673 5577,5629,5460,5583,5642 5352,5614,5456,5655,5672 5401,5574,5611,5565,5370 5571,5588,5295,5468,5303 5486,5358,5718,5470,5380 5703,5422,5324,5573,5654 5426,5263,5634,5661,5462 5648,5498,5270,5474,5664 5701,5622,5425,5490,5552 5265,5597,5467,5300,5432 5724,5437,5469,5258,5715 5453,5277,5637,5705,5348 5593,5262,5561,5251,5255 5275,5341,5364,5510,5516 5346,5712,5504,5549,5356 5527,5376,5264,5447,5442 5454,5658,5428,5544,5374 5343,5663,5478,5689,5384 5372,5707,5274,5292,5466
6	Type 6	1	333.3	9	0.3333	300	30	1	5592,5584,5489,5463,5418 5619,5651,5535,5271,5374 5283,5500,5594,5375,5693 5604,5714,5610,5562,5482 5279,5711,5557,5276,5277 5307,5446,5574,5414,5270 5408,5281,5691,5428,5624 5625,5354,5430,5339,5376 5487,5581,5683,5617,5630 5644,5705,5483,5342,5519 5298,5518,5563,5598,5437 5391,5659,5455,5686,5582 5697,5469,5628,5294,5319 5597,5631,5521,5436,5423 5278,5665,5340,5485,5466 5438,5315,5275,5614,5330 5520,5590,5596,5264,5289 5405,5646,5526,5346,5676 5267,5539,5349,5600,5258 5671,5533,5345,5587,5523

7	Type 6	1	333.3	9	0.3333	300	33	1	5372,5348,5425,5624,5260 5283,5576,5610,5434,5581 5689,5289,5635,5570,5714 5577,5256,5342,5558,5279 5490,5652,5549,5724,5640 5634,5552,5300,5448,5409 5297,5713,5431,5580,5444 5667,5445,5701,5492,5290 5326,5286,5621,5382,5280 5559,5313,5541,5499,5704 5395,5474,5569,5274,5421 5698,5625,5345,5374,5657 5711,5519,5642,5301,5454 5715,5520,5536,5366,5413 5414,5378,5417,5316,5428 5357,5586,5484,5296,5430 5627,5684,5653,5273,5606 5465,5363,5491,5352,5355 5518,5631,5688,5588,5329 5485,5502,5590,5390,5531
8	Type 6	1	333.3	9	0.3333	300	27	1	5530,5587,5361,5310,5480 5325,5598,5685,5500,5410 5523,5553,5676,5290,5260 5568,5383,5445,5603,5471 5498,5514,5690,5638,5697 5431,5583,5280,5404,5482 5451,5661,5670,5646,5354 5642,5331,5633,5594,5267 5301,5640,5369,5559,5622 5277,5391,5507,5396,5502 5552,5494,5271,5650,5620 5363,5719,5545,5338,5299 5564,5628,5268,5684,5608 5283,5343,5584,5572,5673 5683,5517,5492,5381,5266 5292,5387,5326,5706,5627 5682,5262,5367,5276,5716 5270,5511,5428,5458,5359 5351,5600,5285,5394,5571 5400,5265,5327,5643,5313

9	Type 6	1	333.3	9	0.3333	300	33	1	5310,5351,5297,5374,5322 5367,5523,5285,5663,5617 5454,5342,5717,5485,5281 5656,5510,5548,5648,5409 5680,5631,5630,5670,5319 5435,5483,5508,5516,5493 5647,5627,5386,5506,5462 5470,5724,5390,5420,5690 5576,5452,5497,5387,5274 5320,5487,5479,5560,5605 5381,5622,5671,5445,5489 5526,5253,5279,5502,5397 5629,5440,5678,5704,5544 5533,5608,5408,5478,5655 5481,5590,5268,5346,5673 5254,5295,5258,5459,5372 5623,5401,5267,5706,5545 5488,5650,5324,5305,5373 5559,5464,5660,5344,5698 5394,5378,5363,5321,5311
10	Type 6	1	333.3	9	0.3333	300	30	1	5565,5590,5708,5535,5542 5409,5545,5360,5351,5349 5288,5606,5283,5583,5302 5269,5637,5554,5693,5380 5417,5274,5572,5719,5643 5682,5287,5686,5612,5550 5632,5536,5584,5504,5280 5660,5512,5340,5661,5573 5604,5415,5435,5530,5271 5627,5467,5562,5618,5658 5646,5401,5527,5722,5541 5268,5336,5714,5372,5473 5526,5539,5574,5369,5650 5367,5482,5547,5715,5370 5598,5252,5464,5484,5439 5622,5305,5642,5374,5341 5711,5385,5404,5264,5523 5448,5326,5451,5270,5667 5356,5621,5303,5724,5470 5639,5386,5361,5278,5378

11	Type 6	1	333.3	9	0.3333	300	37	1	5345,5354,5644,5696,5384 5548,5470,5435,5514,5653 5694,5492,5324,5303,5323 5357,5667,5657,5641,5572 5425,5440,5610,5711,5616 5473,5414,5338,5584,5674 5541,5719,5432,5480,5651 5431,5457,5348,5615,5254 5715,5373,5295,5365,5556 5447,5645,5579,5533,5277 5703,5298,5252,5566,5280 5330,5636,5562,5403,5444 5655,5704,5519,5676,5427 5596,5568,5583,5450,5640 5304,5421,5547,5288,5598 5264,5494,5484,5695,5488 5495,5660,5293,5527,5639 5718,5351,5643,5511,5462 5632,5310,5394,5501,5476 5576,5327,5378,5333,5362
12	Type 6	1	333.3	9	0.3333	300	36	1	5503,5593,5580,5382,5604 5590,5492,5510,5385,5625 5281,5365,5498,5344,5348 5319,5285,5686,5386,5336 5509,5551,5325,5589,5361 5563,5520,5442,5618,5716 5411,5459,5681,5300,5315 5522,5350,5501,5529,5568 5323,5689,5535,5362,5485 5427,5253,5637,5667,5628 5404,5349,5341,5389,5602 5518,5277,5697,5415,5309 5394,5464,5508,5639,5391 5380,5282,5532,5582,5493 5533,5587,5515,5574,5698 5483,5614,5530,5676,5265 5605,5441,5360,5636,5438 5351,5474,5654,5500,5642 5321,5579,5482,5610,5684 5388,5443,5547,5581,5527

13	Type 6	1	333.3	9	0.3333	300	38	1	5283,5357,5516,5543,5446 5632,5417,5585,5268,5592 5459,5545,5406,5693,5365 5436,5388,5256,5578,5344 5675,5492,5317,5562,5627 5512,5723,5546,5652,5380 5300,5455,5674,5358,5498 5454,5710,5621,5654,5443 5504,5678,5359,5407,5336 5695,5720,5685,5580,5400 5430,5687,5706,5544,5467 5419,5289,5438,5559,5506 5340,5554,5329,5558,5327 5385,5662,5519,5590,5364 5550,5657,5355,5259,5673 5420,5618,5697,5524,5275 5633,5254,5424,5534,5274 5465,5315,5415,5269,5488 5547,5566,5616,5509,5427 5445,5560,5636,5347,5432
14	Type 6	1	333.3	9	0.3333	300	35	1	5538,5596,5452,5704,5666 5674,5439,5660,5431,5324 5390,5334,5544,5413,5386 5524,5573,5491,5301,5295 5352,5269,5530,5406,5535 5515,5364,5451,5650,5686 5422,5664,5412,5317,5607 5318,5496,5326,5417,5429 5454,5343,5489,5565,5443 5356,5721,5387,5419,5656 5298,5475,5283,5281,5519 5393,5498,5657,5713,5260 5470,5724,5647,5477,5531 5278,5594,5597,5663,5259 5505,5690,5688,5526,5282 5719,5638,5672,5253,5478 5338,5630,5450,5632,5266 5497,5466,5333,5366,5339 5434,5591,5581,5351,5250 5411,5442,5264,5545,5527

15	Type 6	1	333.3	9	0.3333	300	28	1	5318,5360,5388,5390,5508 5338,5364,5260,5594,5628 5321,5598,5585,5511,5407 5612,5700,5497,5724,5487 5263,5435,5471,5398,5306 5691,5654,5279,5720,5464 5650,5369,5532,5284,5516 5635,5417,5310,5582,5368 5657,5669,5503,5683,5353 5553,5270,5502,5714,5351 5362,5634,5457,5608,5711 5337,5607,5452,5372,5706 5599,5414,5396,5576,5303 5574,5616,5702,5533,5534 5489,5466,5428,5588,5693 5537,5478,5293,5402,5387 5716,5449,5266,5259,5377 5401,5627,5645,5632,5583 5557,5561,5298,5320,5339 5597,5518,5708,5262,5543
16	Type 6	1	333.3	9	0.3333	300	37	1	5573,5599,5324,5551,5253 5380,5386,5335,5660,5360 5630,5484,5626,5706,5428 5603,5255,5600,5294,5679 5271,5504,5412,5487,5481 5669,5640,5382,5480,5279 5506,5539,5326,5272,5533 5336,5299,5508,5581,5260 5282,5496,5277,5441,5448 5447,5482,5250,5585,5297 5404,5627,5510,5633,5553 5319,5534,5659,5320,5406 5562,5351,5677,5579,5438 5408,5604,5520,5342,5651 5569,5366,5284,5647,5500 5574,5318,5289,5381,5437 5522,5530,5697,5701,5376 5515,5444,5561,5624,5365 5535,5278,5641,5371,5587 5357,5552,5493,5560,5608

17	Type 6	1	333.3	9	0.3333	300	35	1	5256,5460,5260,5615,5570 5422,5311,5410,5348,5567 5561,5273,5667,5426,5449 5691,5382,5703,5339,5396 5279,5670,5353,5479,5454 5557,5492,5488,5584,5313 5645,5525,5283,5487,5685 5534,5341,5599,5377,5413 5671,5335,5360,5379,5591 5444,5411,5705,5668,5258 5457,5514,5289,5334,5604 5408,5357,5603,5263,5655 5548,5551,5269,5383,5715 5527,5466,5640,5600,5508 5576,5651,5450,5669,5560 5321,5613,5609,5642,5678 5478,5486,5296,5608,5624 5524,5438,5364,5580,5470 5606,5325,5555,5489,5375 5480,5674,5663,5282,5573
18	Type 6	1	333.3	9	0.3333	300	37	1	5511,5699,5671,5301,5315 5464,5333,5485,5396,5492 5537,5708,5621,5470,5304 5509,5331,5287,5588,5665 5264,5391,5568,5427,5348 5441,5691,5688,5347,5687 5414,5715,5605,5459,5354 5480,5312,5648,5663,5682 5271,5540,5317,5356,5718 5685,5276,5316,5413,5640 5510,5655,5497,5558,5450 5599,5692,5370,5367,5522 5434,5328,5547,5353,5412 5366,5549,5544,5408,5446 5253,5266,5546,5421,5462 5355,5481,5719,5659,5633 5499,5552,5297,5521,5280 5438,5681,5543,5565,5474 5279,5608,5375,5619,5712 5523,5257,5541,5507,5261

19	Type 6	1	333.3	9	0.3333	300	27	1	5291,5463,5607,5462,5632 5603,5258,5560,5674,5326 5274,5341,5491,5392,5636 5434,5332,5305,5673,5430 5400,5711,5293,5419,5317 5381,5254,5303,5672,5345 5611,5649,5619,5403,5541 5596,5585,5623,5633,5438 5647,5665,5359,5374,5466 5666,5516,5589,5706,5586 5394,5312,5646,5661,5493 5543,5599,5273,5476,5276 5455,5664,5498,5580,5618 5338,5531,5435,5629,5424 5311,5309,5314,5450,5310 5290,5640,5410,5609,5333 5461,5275,5518,5572,5620 5506,5282,5342,5330,5573 5718,5557,5517,5601,5708 5298,5525,5405,5304,5682
20	Type 6	1	333.3	9	0.3333	300	34	1	5546,5702,5543,5623,5377 5645,5280,5635,5265,5335 5257,5590,5315,5439,5512 5383,5288,5440,5594,5681 5596,5273,5649,5373,5502 5620,5622,5518,5415,5393 5289,5629,5560,5385,5372 5283,5494,5337,5510,5424 5706,5571,5361,5435,5479 5442,5519,5456,5392,5290 5282,5297,5679,5716,5500 5600,5275,5464,5672,5308 5577,5401,5390,5447,5450 5608,5334,5507,5615,5524 5285,5322,5430,5433,5621 5662,5719,5589,5528,5515 5292,5462,5566,5307,5284 5296,5474,5724,5399,5710 5250,5353,5509,5303,5597 5407,5428,5562,5678,5300

21	Type 6	1	333.3	9	0.3333	300	35	1	5704,5466,5479,5309,5597 5687,5680,5710,5428,5639 5566,5379,5356,5634,5533 5471,5318,5543,5422,5311 5592,5665,5641,5443,5390 5569,5350,5622,5449,5435 5653,5586,5300,5537,5667 5325,5585,5608,5269,5521 5263,5314,5509,5504,5529 5408,5528,5525,5393,5572 5343,5646,5333,5386,5502 5660,5688,5554,5465,5677 5338,5326,5454,5260,5615 5403,5347,5591,5396,5555 5515,5579,5601,5527,5387 5261,5707,5291,5550,5602 5439,5257,5370,5692,5498 5512,5487,5719,5401,5650 5335,5402,5255,5659,5722 5364,5493,5676,5510,5700
22	Type 6	1	333.3	9	0.3333	300	37	1	5484,5705,5415,5470,5439 5351,5702,5310,5591,5371 5497,5265,5494,5354,5554 5559,5445,5646,5370,5503 5600,5356,5252,5255,5416 5656,5421,5456,5251,5483 5477,5542,5543,5418,5311 5390,5464,5676,5501,5422 5435,5674,5447,5269,5526 5337,5508,5608,5451,5625 5522,5642,5384,5475,5703 5507,5401,5655,5496,5309 5455,5619,5680,5326,5414 5345,5492,5295,5318,5273 5587,5530,5711,5615,5666 5638,5670,5622,5583,5691 5367,5626,5381,5561,5412 5682,5718,5589,5286,5289 5553,5314,5329,5261,5465 5541,5463,5574,5671,5458

23	Type 6	1	333.3	9	0.3333	300	41	1	5264,5469,5351,5631,5659 5393,5627,5385,5279,5578 5428,5529,5535,5549,5575 5647,5572,5274,5415,5695 5608,5425,5668,5722,5389 5544,5370,5355,5517,5616 5528,5500,5633,5463,5685 5603,5292,5297,5349,5513 5577,5509,5523,5644,5488 5691,5412,5678,5495,5398 5343,5435,5564,5526,5451 5589,5462,5315,5280,5584 5309,5625,5336,5615,5294 5530,5702,5565,5596,5345 5670,5630,5560,5591,5607 5693,5468,5477,5407,5545 5721,5409,5402,5525,5552 5381,5483,5340,5326,5609 5494,5364,5499,5423,5465 5518,5558,5569,5716,5718
24	Type 6	1	333.3	9	0.3333	300	36	1	5519,5708,5287,5695,5501 5435,5649,5460,5442,5407 5262,5318,5576,5269,5596 5638,5699,5377,5412,5591 5706,5336,5362,5432,5697 5387,5556,5454,5658,5417 5457,5373,5712,5408,5645 5480,5568,5350,5360,5352 5660,5323,5652,5520,5573 5468,5299,5470,5634,5285 5274,5486,5275,5349,5298 5680,5416,5463,5512,5251 5713,5474,5667,5683,5453 5282,5438,5718,5566,5534 5399,5514,5656,5633,5409 5567,5584,5338,5545,5623 5490,5663,5612,5309,5406 5694,5525,5499,5448,5294 5574,5332,5659,5370,5436 5477,5415,5542,5467,5319

25	Type 6	1	333.3	9	0.3333	300	29	1	5299,5472,5698,5381,5721 5477,5574,5535,5508,5614 5668,5582,5617,5367,5251 5351,5383,5505,5604,5527 5660,5647,5328,5335,5549 5590,5488,5700,5403,5414 5588,5389,5703,5309,5571 5364,5503,5274,5666,5365 5261,5417,5517,5405,5448 5382,5528,5687,5695,5537 5717,5393,5370,5653,5331 5600,5270,5639,5612,5515 5376,5667,5269,5252,5677 5586,5642,5258,5636,5543 5458,5479,5623,5400,5444 5301,5372,5428,5341,5575 5290,5316,5345,5347,5627 5349,5470,5565,5432,5628 5676,5447,5672,5552,5468 5469,5359,5321,5325,5678
26	Type 6	1	333.3	9	0.3333	300	32	1	5457,5711,5634,5542,5563 5616,5596,5610,5671,5346 5599,5371,5658,5562,5638 5339,5381,5486,5453,5321 5535,5351,5588,5417,5308 5586,5498,5318,5289,5522 5364,5292,5706,5426,5448 5662,5257,5656,5663,5505 5674,5657,5514,5334,5428 5465,5489,5265,5437,5404 5396,5373,5564,5581,5324 5368,5625,5571,5399,5329 5557,5347,5677,5271,5462 5541,5576,5383,5280,5250 5261,5485,5519,5502,5578 5525,5604,5652,5613,5700 5435,5400,5609,5331,5635 5385,5281,5299,5595,5350 5382,5407,5695,5546,5683 5607,5263,5655,5550,5459

27	Type 6	1	333.3	9	0.3333	300	30	1	5712,5475,5570,5703,5308 5658,5521,5685,5359,5650 5433,5257,5699,5282,5659 5427,5508,5589,5498,5610 5446,5420,5626,5409,5281 5377,5350,5424,5393,5556 5406,5656,5328,5315,5721 5587,5278,5528,5431,5674 5441,5531,5515,5422,5608 5263,5408,5548,5547,5318 5324,5280,5572,5639,5542 5671,5294,5558,5347,5494 5502,5654,5600,5692,5663 5662,5577,5311,5414,5661 5352,5711,5361,5334,5398 5461,5289,5698,5668,5585 5429,5723,5481,5629,5595 5300,5329,5331,5597,5598 5624,5368,5645,5679,5485 5707,5563,5591,5636,5537
28	Type 6	1	333.3	9	0.3333	300	31	1	5492,5714,5506,5389,5625 5700,5543,5285,5522,5382 5364,5521,5265,5477,5680 5418,5635,5692,5327,5454 5586,5567,5498,5254,5299 5627,5594,5590,5448,5642 5661,5564,5541,5629,5369 5324,5584,5588,5280,5614 5453,5565,5605,5570,5291 5631,5371,5589,5534,5273 5690,5494,5355,5482,5707 5641,5513,5657,5659,5544 5486,5426,5638,5611,5516 5618,5684,5464,5697,5658 5374,5420,5258,5721,5566 5681,5358,5262,5696,5297 5621,5709,5439,5672,5304 5616,5368,5491,5475,5341 5580,5318,5281,5380,5519 5537,5362,5645,5524,5325

29	Type 6	1	333.3	9	0.3333	300	31	1	5272,5478,5539,5550,5370 5267,5565,5360,5588,5589 5295,5310,5306,5672,5701 5506,5287,5320,5491,5519 5462,5655,5508,5490,5702 5531,5626,5355,5698,5624 5717,5401,5716,5264,5293 5557,5692,5262,5502,5594 5319,5391,5330,5602,5499 5271,5336,5663,5424,5476 5410,5449,5266,5342,5317 5299,5670,5564,5463,5460 5387,5311,5349,5489,5415 5252,5681,5687,5560,5552 5353,5576,5593,5683,5464 5507,5350,5379,5605,5366 5382,5547,5361,5371,5518 5385,5721,5294,5341,5612 5378,5621,5389,5457,5292 5534,5497,5412,5374,5597
30	Type 6	1	333.3	9	0.3333	300	40	1	5430,5717,5475,5711,5687 5406,5490,5435,5276,5321 5604,5574,5444,5295,5722 5594,5414,5326,5536,5373 5346,5546,5579,5675,5419 5478,5558,5327,5658,5629 5420,5674,5519,5559,5432 5648,5488,5512,5513,5433 5402,5329,5570,5599,5331 5251,5624,5477,5266,5286 5625,5317,5431,5518,5621 5653,5279,5358,5343,5514 5434,5650,5627,5413,5509 5491,5660,5371,5545,5665 5291,5467,5259,5338,5486 5428,5528,5613,5481,5299 5549,5309,5612,5695,5681 5581,5422,5540,5386,5699 5503,5446,5256,5462,5640 5427,5377,5487,5398,5307

DETECTION BANDWIDTH

Frequency (MHz)	Bandwidth Systems (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Minimum Limit	Result
5280	20	5270	5290	20	18.95	100%	Compliance
5270	40	5250	5290	40	37.7	100%	Compliance
5290	80	5250	5330	80	76.6	100%	Compliance
5250	160	5170	5330	160	155.6	100%	Compliance

Results of Detection Bandwidth:

20MHz Bandwidth, EUT Frequency = 5280MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	**Detection Rate (%)**
5269	1	1	1	0	1	0	0	1	1	1	70 %
5270(**F_L**)	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(**F_H**)	1	1	1	1	1	1	1	1	1	1	100 %
5291	1	0	1	0	0	1	0	1	0	1	50 %
Detection Bandwidth = $F_H - F_L$ = 5290-5270 = 20MHz											
EUT 99% BW = 18.95 MHz											**Result:** Pass

40MHz Bandwidth, EUT Frequency = 5270MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	**Detection Rate (%)**
5249	1	1	1	0	1	0	0	1	0	1	60 %
5250(**F_L**)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290(**F_H**)	1	1	1	1	1	1	1	1	1	1	100 %
5291	1	0	1	1	0	1	1	1	0	1	70 %
Detection Bandwidth = $F_H - F_L$ = 5290-5250 = 40MHz											
EUT 99% BW = 37.7 MHz											**Result:** Pass

80MHz Bandwidth, EUT Frequency = 5290MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	**Detection Rate (%)**
5249	1	1	1	0	1	1	1	1	1	1	90 %
5250(**F_L**)	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(**F_H**)	1	1	1	1	1	1	1	1	1	1	100 %
5331	1	0	1	1	1	1	0	0	1	1	70 %
Detection Bandwidth = F_H – F_L = 5330-5250 = 80MHz											
EUT 99% BW = 76.6 MHz											**Result:** Pass

160MHz Bandwidth, EUT Frequency = 5250MHz											
DFS Detection Trials (1 = Detected, 0 = No Detected)											
Radar Frequency (MHz)	1	2	3	4	5	6	7	8	9	10	**Detection Rate (%)**
5169	1	1	1	0	1	1	0	1	1	1	80 %
5170(**F_L**)	1	1	1	1	1	1	1	1	1	1	100 %
5175	1	1	1	1	1	1	1	1	1	1	100 %
5180	1	1	1	1	1	1	1	1	1	1	100 %
5185	1	1	1	1	1	1	1	1	1	1	100 %
5190	1	1	1	1	1	1	1	1	1	1	100 %
5195	1	1	1	1	1	1	1	1	1	1	100 %
5200	1	1	1	1	1	1	1	1	1	1	100 %
5205	1	1	1	1	1	1	1	1	1	1	100 %
5210	1	1	1	1	1	1	1	1	1	1	100 %
5215	1	1	1	1	1	1	1	1	1	1	100 %
5220	1	1	1	1	1	1	1	1	1	1	100 %
5225	1	1	1	1	1	1	1	1	1	1	100 %
5230	1	1	1	1	1	1	1	1	1	1	100 %
5235	1	1	1	1	1	1	1	1	1	1	100 %
5240	1	1	1	1	1	1	1	1	1	1	100 %
5245	1	1	1	1	1	1	1	1	1	1	100 %
5250	1	1	1	1	1	1	1	1	1	1	100 %
5255	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5265	1	1	1	1	1	1	1	1	1	1	100 %
5270	1	1	1	1	1	1	1	1	1	1	100 %
5275	1	1	1	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5285	1	1	1	1	1	1	1	1	1	1	100 %
5290	1	1	1	1	1	1	1	1	1	1	100 %
5295	1	1	1	1	1	1	1	1	1	1	100 %
5300	1	1	1	1	1	1	1	1	1	1	100 %
5305	1	1	1	1	1	1	1	1	1	1	100 %
5310	1	1	1	1	1	1	1	1	1	1	100 %
5315	1	1	1	1	1	1	1	1	1	1	100 %
5320	1	1	1	1	1	1	1	1	1	1	100 %
5325	1	1	1	1	1	1	1	1	1	1	100 %
5330(**F_H**)	1	1	1	1	1	1	1	1	1	1	100 %
5331	1	1	1	1	0	1	1	1	1	1	90 %
Detection Bandwidth = F_H – F_L = 5330-5170 = 160MHz											
EUT 99% BW = 155.6MHz											**Result:** Pass

Declarations

1. The laboratory is not responsible for the authenticity of any information provided by the applicant. Information from the applicant that may affect test results is marked with "★".

2. The test data was only valid for the test sample(s).

3. This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.

4. Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

5. The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor k=2 with the 95.45% confidence interval.

******* END OF REPORT *******