FCC PART 15.407(H)
DYNAMIC FREQUENCY SELECTION
TEST AND MEASUREMENT REPORT

For

Amimon Ltd.

2 Maskit St., Herzlia, Israel

FCC ID: VQSCB390802120528
Model: AMN32200-IR

Report Type:	**Equipment Type:**
Original Report	Wireless video transmission system（RX）

Prepared By: Ning Ma

Report No.: R1207116-FCC DFS

Report Date: 2012-10-10

Victor Zhang

Reviewed By: EMC/RF Lead

Bay Area Compliance Laboratories Corporation (BACL)
1274 Anvilwood Ave., Sunnyvale, CA 94089
Tel: (408) 732-9162
Fax: (408) 732 9164

TABLE OF CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R1207116-FCC DFS	Original Report	2012-10-10

1 General Description

1.1 Product Description for Equipment under Test (EUT)

This test and measurement report was prepared on behalf of *Amimon Ltd.*, and their product *FCC ID: VQSCB390802120528*, model: *AMN31200-IR*. The EUT is a HDMI Transmission Board (RX).

1.2 Mechanical Description of EUT

The EUT measures approximately 19.2 *cm* (L) X 15.4 *cm* (W) X 7.4*cm* (H) and weighs approximately 819.5 *g.*

The data gathered are from a production sample provided by the manufacturer, serial number: R1207116 assigned by BACL.

1.3 Objective

This report is prepared on behalf of *Amimon Ltd.* in accordance with FCC CFR47 §15.407 (h) and FCC 06-96 Appendix.

The objective is to determine compliance with FCC rules for DFS Detection Threshold, Channel Availability Check Time, Uniform Spreading U-NII Detection Bandwidth, Channel Closing Transmission Time, and Channel Move time.

1.4 Related Submittal(s)/Grant(s)

N/A

1.5 Test Methodology

FCC CFR 47 Part2, Part15.407 (h)

FCC 06-96 Appendix "COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION"

1.6 Test Facility

The test site used by BACL Corp. to collect radiated and conducted emissions measurement data is located at its facility in Sunnyvale, California, USA.

The test site at BACL Corp. has been fully described in reports submitted to the Federal Communication Commission (FCC) and Voluntary Control Council for Interference (VCCI). The details of these reports have been found to be in compliance with the requirements of Section 2.948 of the FCC Rules on February 11 and December 10, 1997, and Article 8 of the VCCI regulations on December 25, 1997. The test site also complies with the test methods and procedures set forth in CISPR 22:2008 §10.4 for measurements below 1 GHz and §10.6 for measurements above 1 GHz as well as ANSI C63.4-2003, ANSI C63.4-2009, TIA/EIA-603 & CISPR 24:2010.

The Federal Communications Commission and Voluntary Control Council for Interference have the reports on file and they are listed under FCC registration number: 90464 and VCCI Registration No.: A-0027. The test site has been approved by the FCC and VCCI for public use and is listed in the FCC Public Access Link (PAL) database.

Additionally, BACL Corp. is an American Association for laboratory Accreditation (A2LA) accredited laboratory (Lab Code 3297-02). The current scope of accreditations can be found at

http://www.a2la.org/scopepdf/3297-02.pdf?CFID=1132286&CFTOKEN=e42a3240dac3f6ba-6DE17DCB-1851-9E57-477422F667031258&jsessionid=8430d44f1f47cf2996124343c704b367816b

2 EUT Test Configuration

2.1 Justification

The EUT was configured for testing according to FCC Part 15.407(H) Standard.

2.2 EUT Exercise Software

The software version is MAC_4.x.24.2, was provided by customer and verified by Ning Ma to comply with the standard requirements being tested against.

2.3 Equipment Modifications

Includes reference to the location of the pictures

2.4 Special Equipment

N/A

2.5 Local Support Equipment

Manufacturers	Description	Models	Serial Number
Cypress HDMI Pattern Generator	video pattern signal generator	CPHD-1	N/A
Cypress HDMI to SDI Converter	converter	CLUX-H2SDIA	201111150025
Cypress SDI to HDMI Converter	converter	CLUX-SDI2HCA	201112060028

2.6 EUT Internal Configuration

Manufacturer	Objects/Parts	Model	Series Number
Amimon	Mother Board	AMN32200	-

2.7 External I/O Cabling List and AC Cord

Cable Description	Length (M)	From	To
RS232 x 2	< 1.0	Laptop	EUT

3 Summary of Test Result

The following result table represents the list of measurements required under the CFR47 §47 Part15.407 (h) and FCC 06-96.

Items	Description of Test	Result
Detection Bandwidth	UNII Detection Bandwidth	Compliant
Performance Requirements Check	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
In-Service Monitoring	Channel Move Time	Compliant
	Channel Closing Transmission Time	Compliant
	Non-Occupancy Period	Compliant
Radar Detection	Statistical Performance Check	Compliant

4 Applicable Standards

4.1 DFS Requirement

FCC CFR47 §15.407 (h) and FCC 06-96 Appendix.

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
Uniform Spreading	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	Client (Without DFS)	Client (With DFS)
DFS Detection Threshold	Yes	Not Required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes

Table 3: Interference Threshold values, Master or Client incorporating In-Service Monitoring

Maximum Transmit Power	Value (See Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 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.

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 80% of the UNII 99% transmission power bandwidth. See Note 3.

Note 1: The instant that the *Channel Move Time* and the *Channel Closing Transmission Time* begins is as follows:
- For the Short Pulse Radar Test Signals this instant is the end of the *Burst*.
- For the Frequency Hopping radar Test Signal, this instant is the end of the last radar *Burst* generated.
- For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the *Radar Waveform*.

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 1 is used and 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 (Microseconds)	PRI (Microseconds)	Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
1	1	1428	18	60%	30
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

Table 6: Long Pulse Radar Test Signal

Radar Type	Bursts	Chirp Width (MHz)	PRI (usec)	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

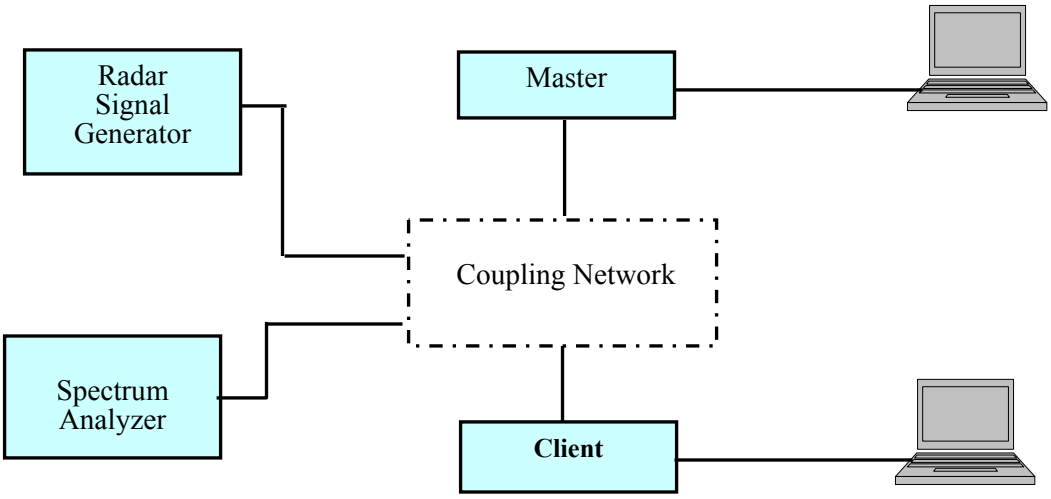
Table 7: Frequency Hopping Radar Test Signal

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

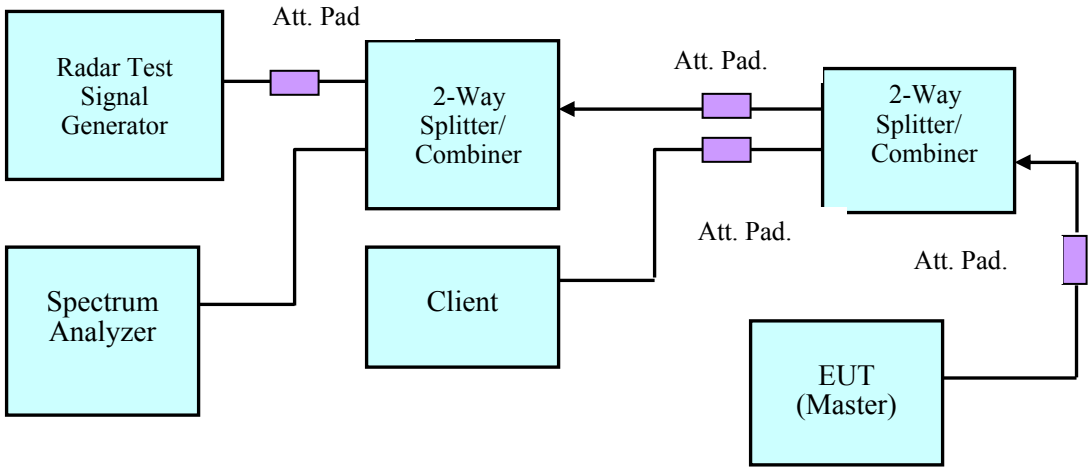
4.2 DFS Measurement System

BACL DFS measurement system consists of two subsystems: (1) The radar signal generating subsystem and (2) the traffic monitoring subsystem.

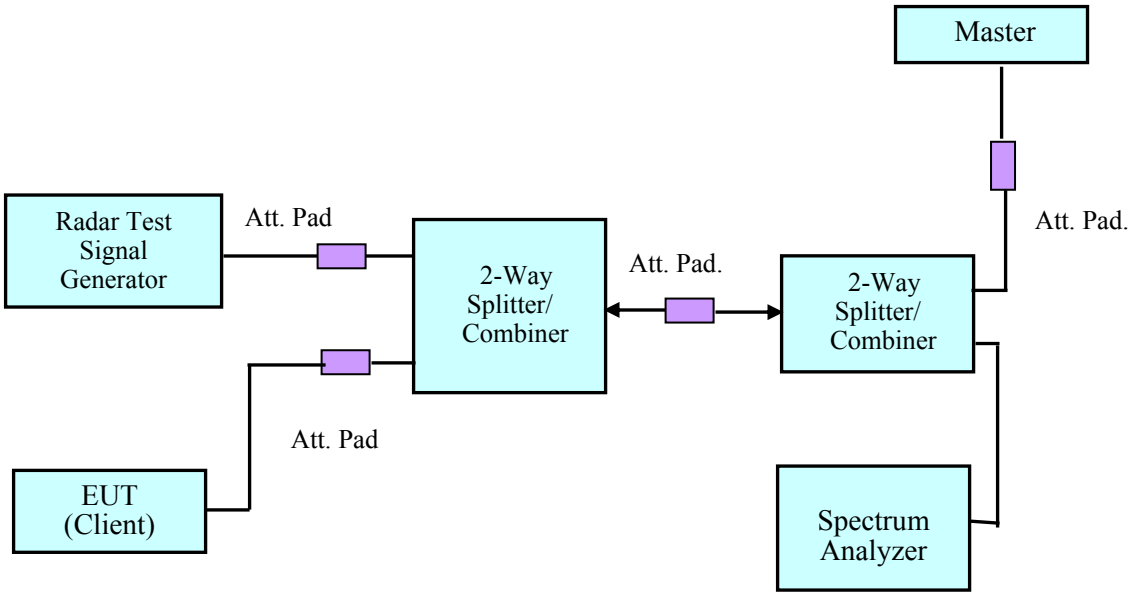
4.3 System Block Diagram



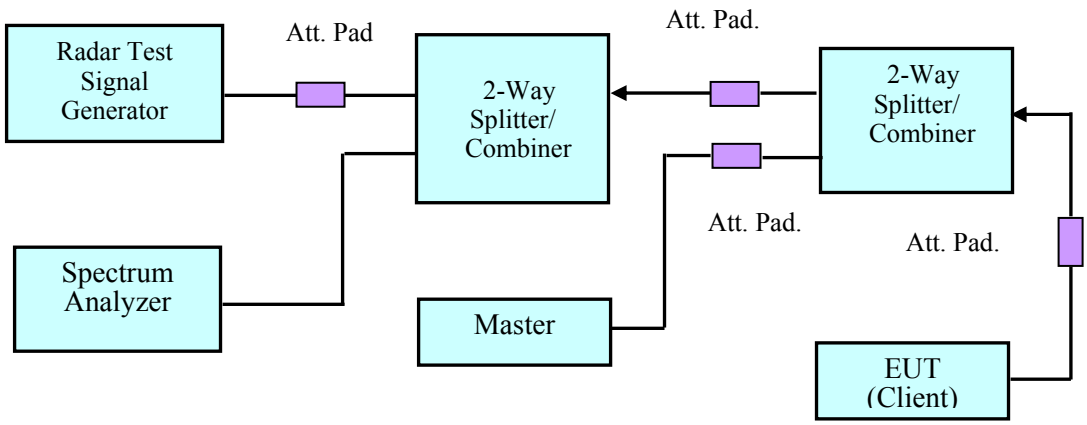
4.4 Conducted Method



Setup for Master with injection at the Master

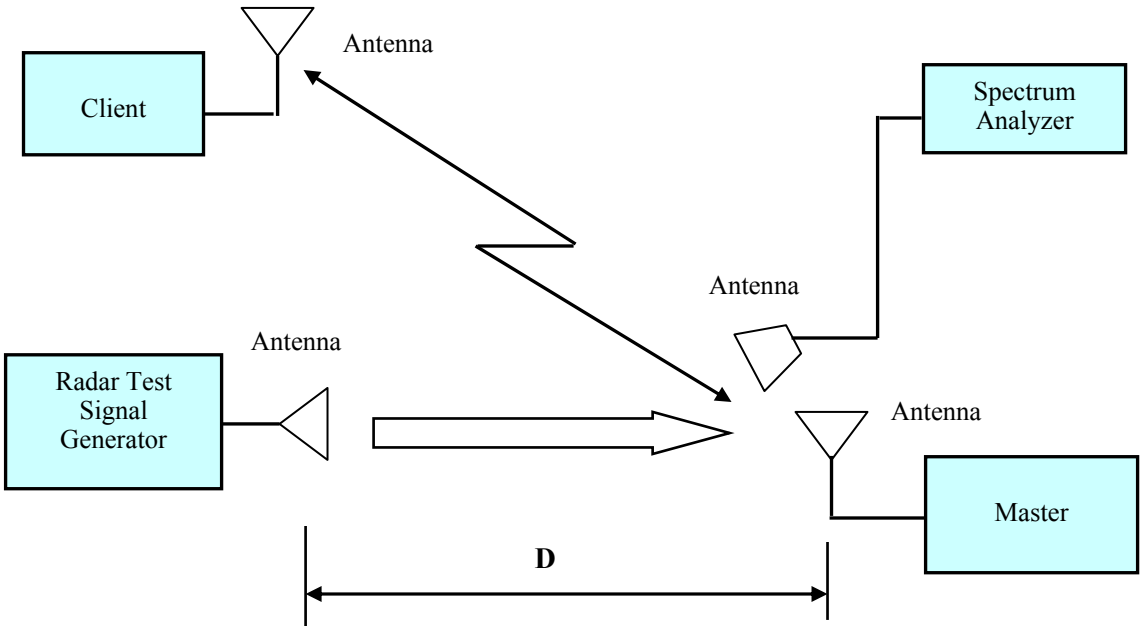


Setup for Client with injection at the Master



Setup for Client with injection at the Client

4.5 Radiated Method



4.6 Test Procedure

A spectrum analyzer is used as a monitor verifies that the EUT status including Channel Closing Transmission Time and Channel Move Time, and does not transmit on a Channel during the Non-Occupancy Period after the diction and Channel move. It is also used to monitor EUT transmissions during the Channel Availability Check Time.

5 Test Results

5.1 Description of EUT

The EUT operates in 5230-5350 MHz and 5470-5725 MHz range.

The rated output power of EUT is <23 dBm (EIRP), Therefore the required interference threshold level is -62 dBm, the required radiated threshold at antenna port is -62dBm.

The calibrated radiated DFS detection threshold level is set to -62 dBm.

WLAN traffic is generated by streaming the video file TestFile.mpg, this file is used by IP and Frame based systems for loading the test channel during the In-service compliance testing of the U-NII device. The file is streamed from the Access Point to the Client in full motion video mode using the media player with the V2.61 Codec package.

Test result show that the EUT requires 26 seconds to complete its initial power-up cycle.

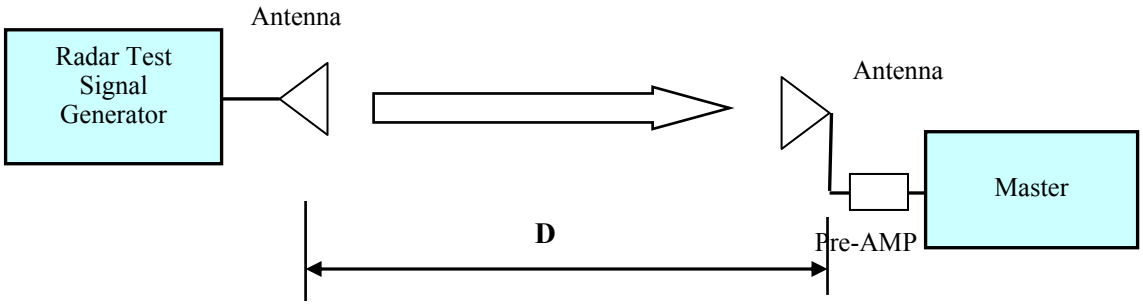
The EUT will not work on 5600-5650MHz band.

5.2 Test Equipment

Manufacturer	Equipment Description	Model Number	S/N	Calibration Date
National Instruments	NI PXI-1042 8-Slot chassis	PXI-1042	V08X01EE1	N/A
National Instruments	Arbitrary Waveform Generator	PXI-5421	N/A	N/A
National Instruments	RF Upconverter	PXI-5610	N/A	N/A
ASCOR	Upconverter	AS-7206	N/A	N/A
Agilent	Spectrum Analyzer	E4440A	US45303156	2012-08-22
Avantek	Pre-Amplifier	2-8 GHz Lab AMP	218	N/A
Ducommun Technologies	Pre-Amplifier	ALN-09173030-01	990297-02	N/A
Mini-Circuits	Splitter/Combiner	2FSC-2-10G	0349	N/A
Narda	Splitter/Combiner	4326B-2	03514	N/A
Midwest	Attenuator	290-30	N/A	N/A
Mini-Circuits	Attenuator	BW-S30W2	N/A	N/A

Statement of Traceability: BACL Corp. attests that all calibrations have been performed per the A2LA requirements, traceable to the NIST.

5.3 Radar Waveform Calibration



Radiated Calibration Setup Block Diagram

5.4 Environmental Conditions

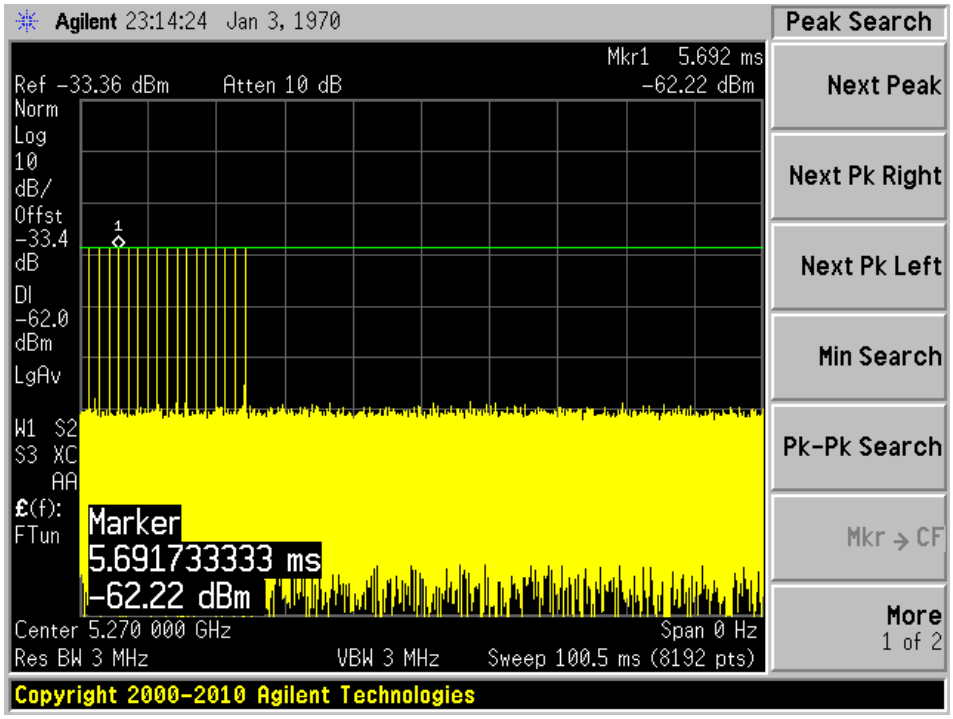
Temperature:	22 °C
Relative Humidity:	47 %
ATM Pressure:	101.5 kpar

Testing performed by Ning Ma on 2012-10-08 at DFS testing site.

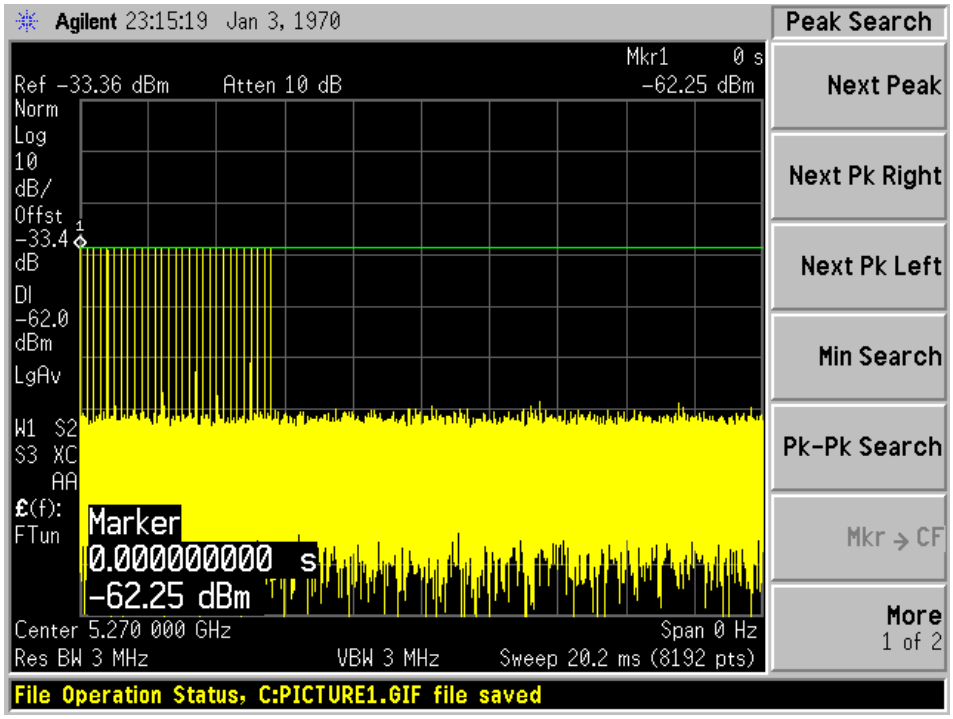
Plots of Radar Waveforms

5270 MHz

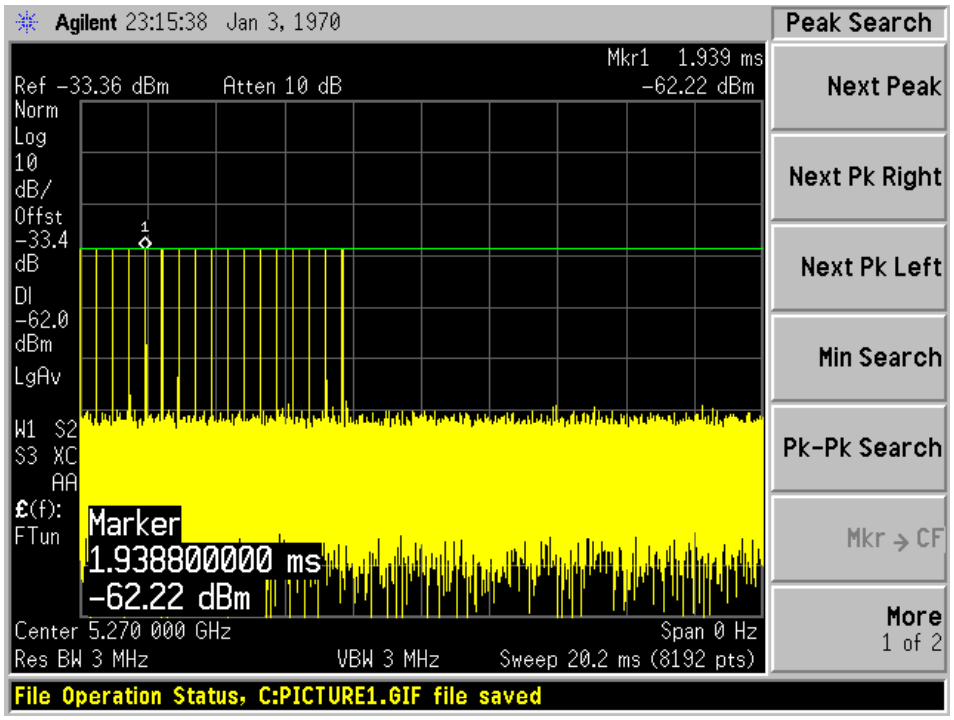
Radar Type 1



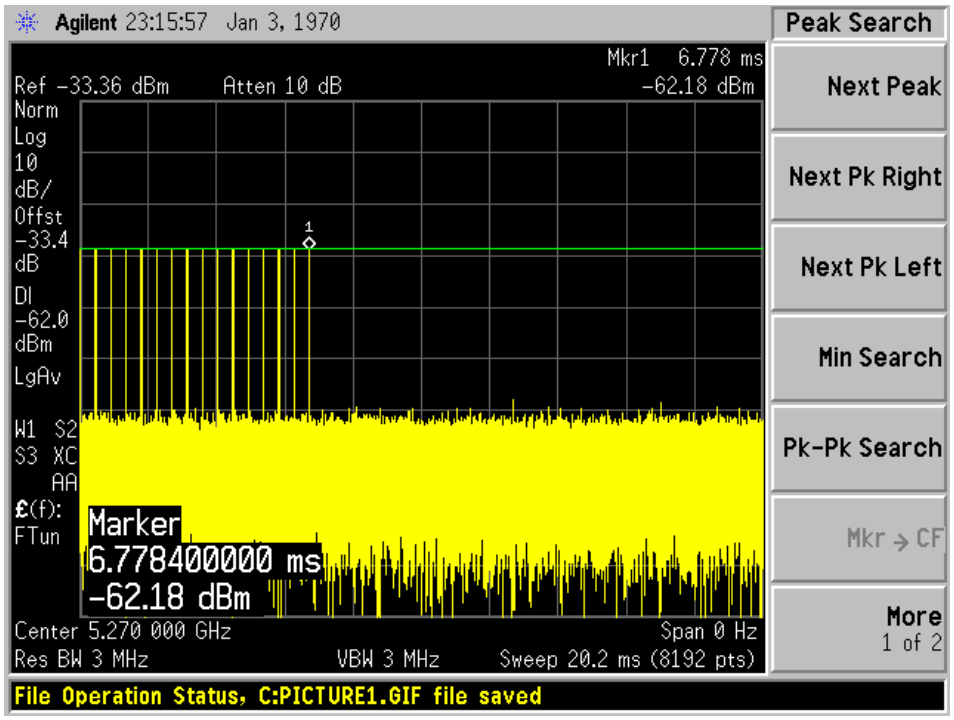
Radar Type 2



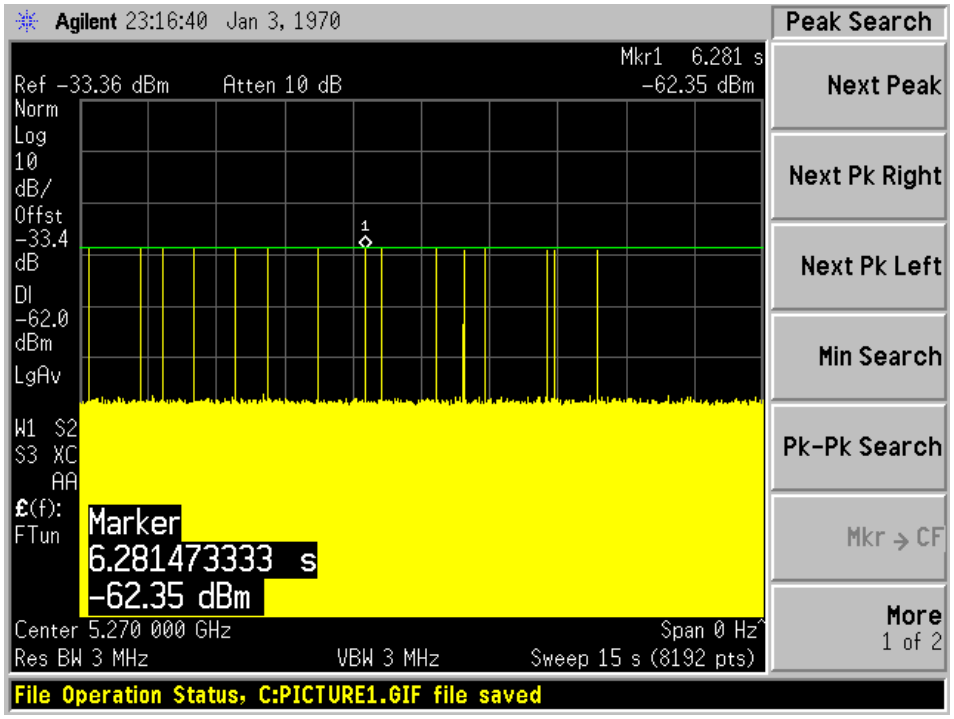
Radar Type 3



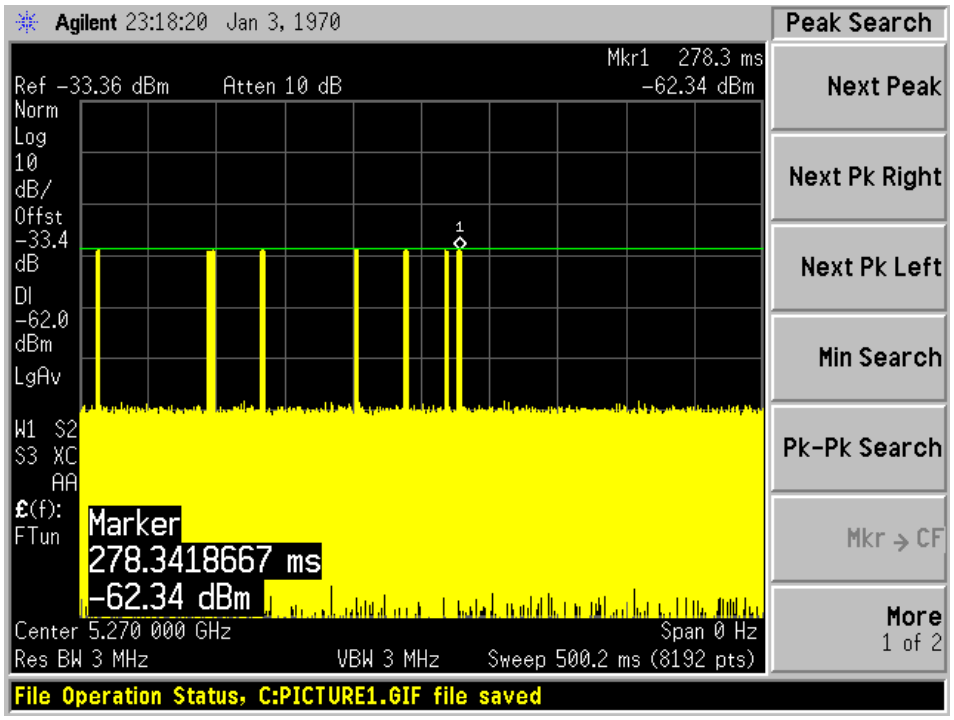
Radar Type 4



Radar Type 5

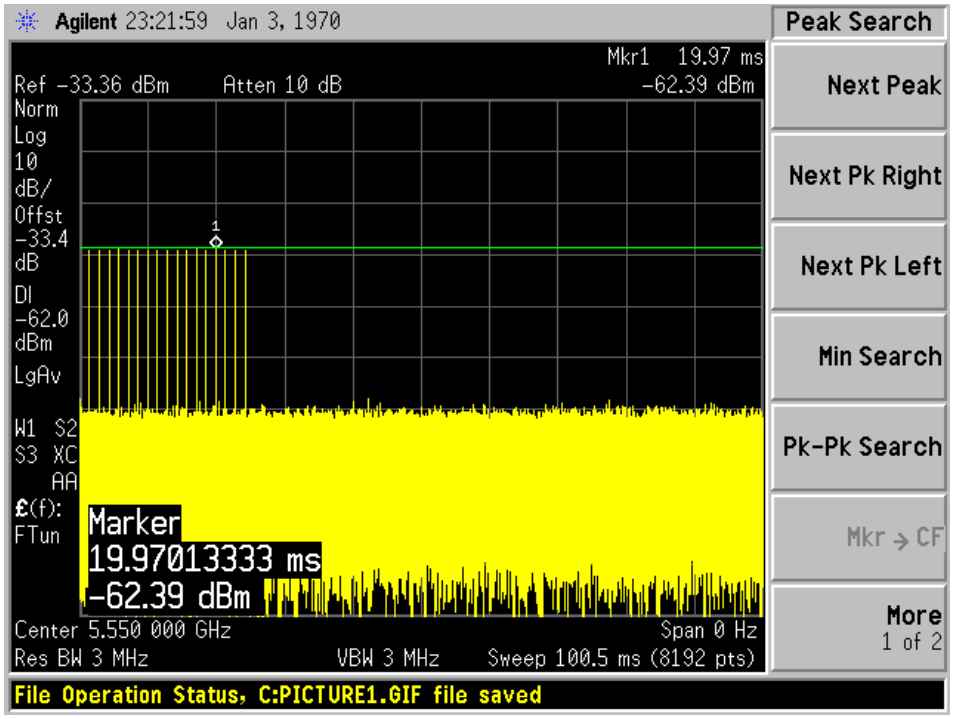


Radar Type 6

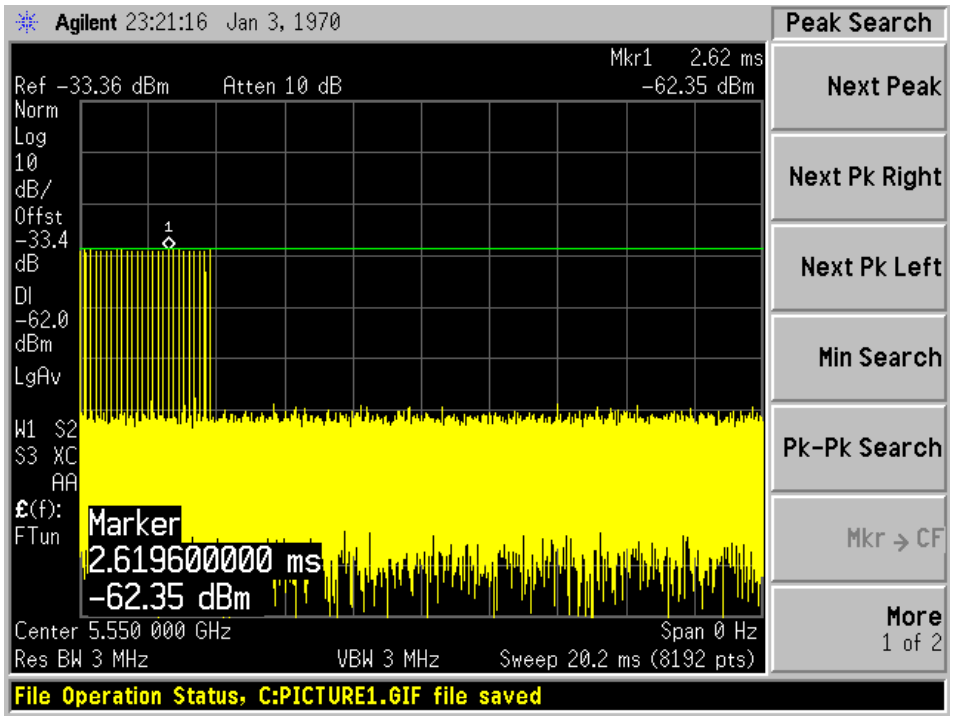


5550 MHz

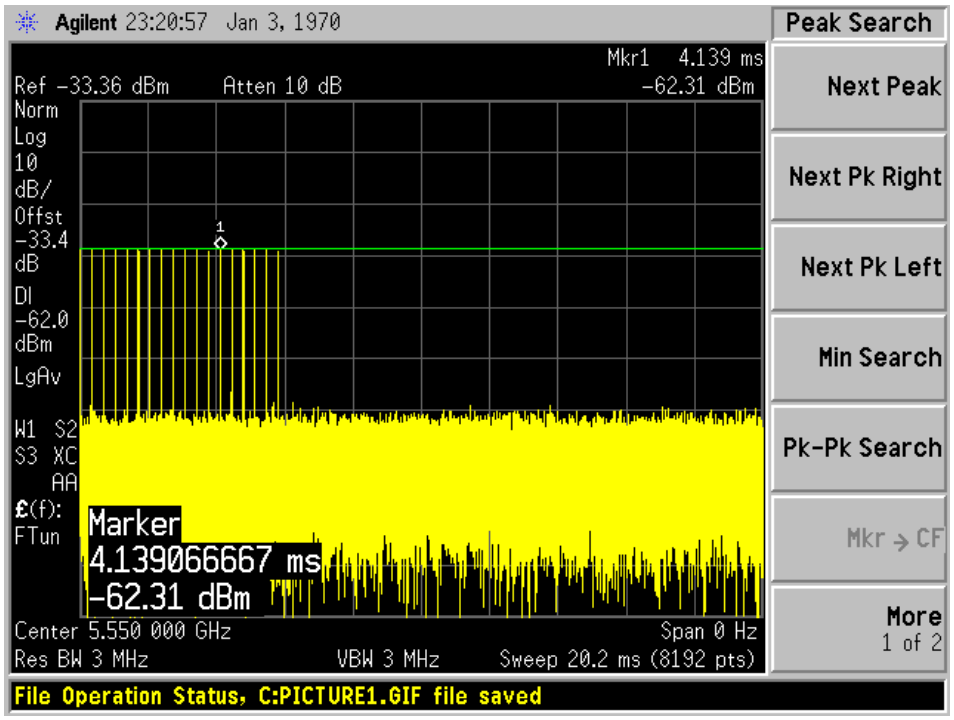
Radar Type 1



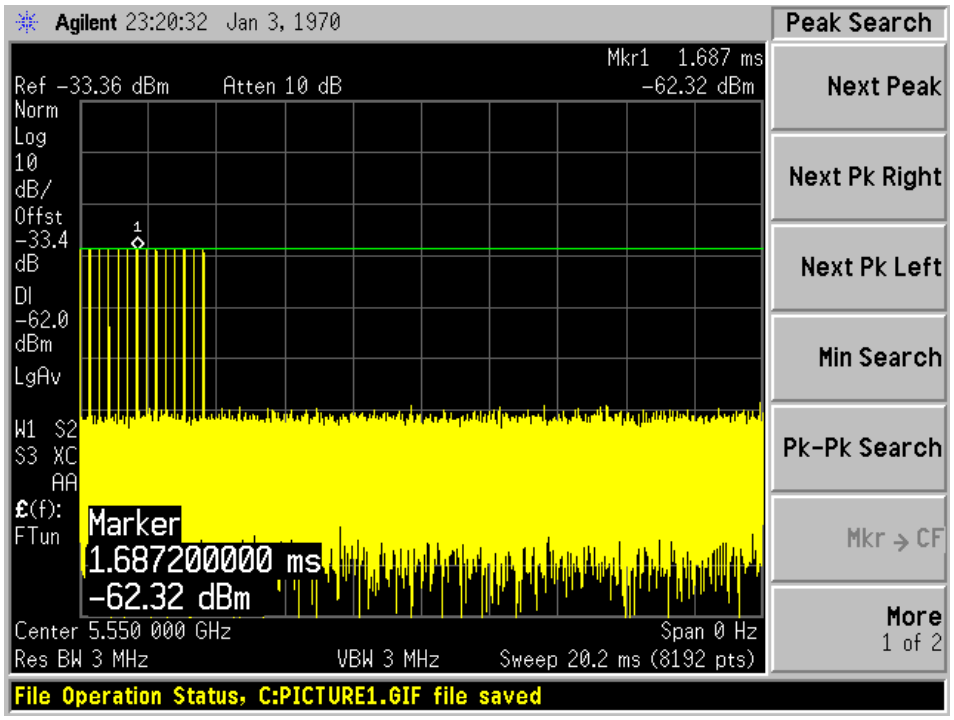
Radar Type 2



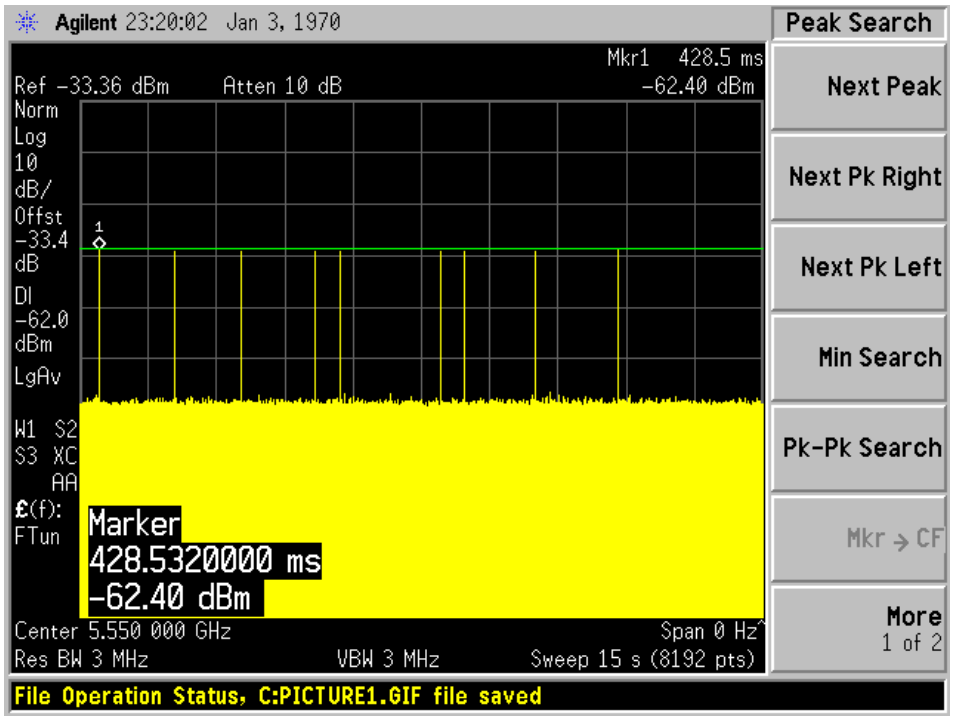
Radar Type 3



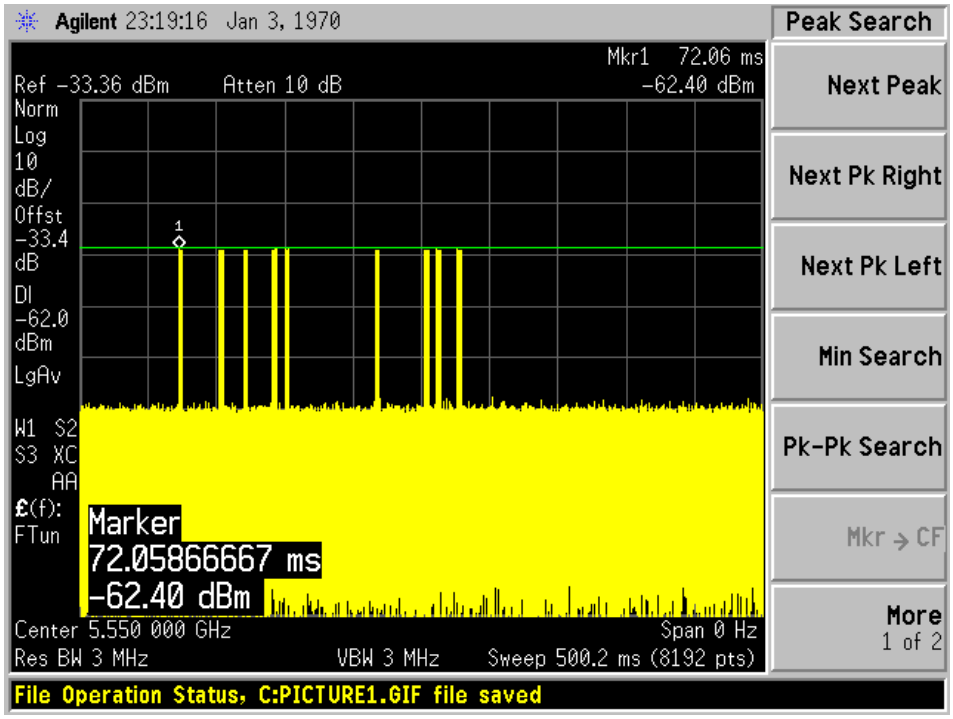
Radar Type 4



Radar Type 5



Radar Type 6



6 Channel Availability Check Time (CAC)

6.1 Test Procedure

1) Measure the initial power-up time of EUT.

2) With link established on channel, apply a radar signal within 0~6 seconds after the initial power-up period; monitor the transmissions on channel from the spectrum analyzer.

3) Reboot EUT, with a link established on channel, apply a radar signal within 54~60 seconds after the initial power-up period, and monitor the transmission on channel from the spectrum analyzer.

EUT Initial power-up Cycle Time

5270 MHz Bandwidth 40 MHz

EUT initial Power-up cycle (Second)
25.5

5550 MHz Bandwidth 40 MHz

EUT initial Power-up cycle (Second)
26

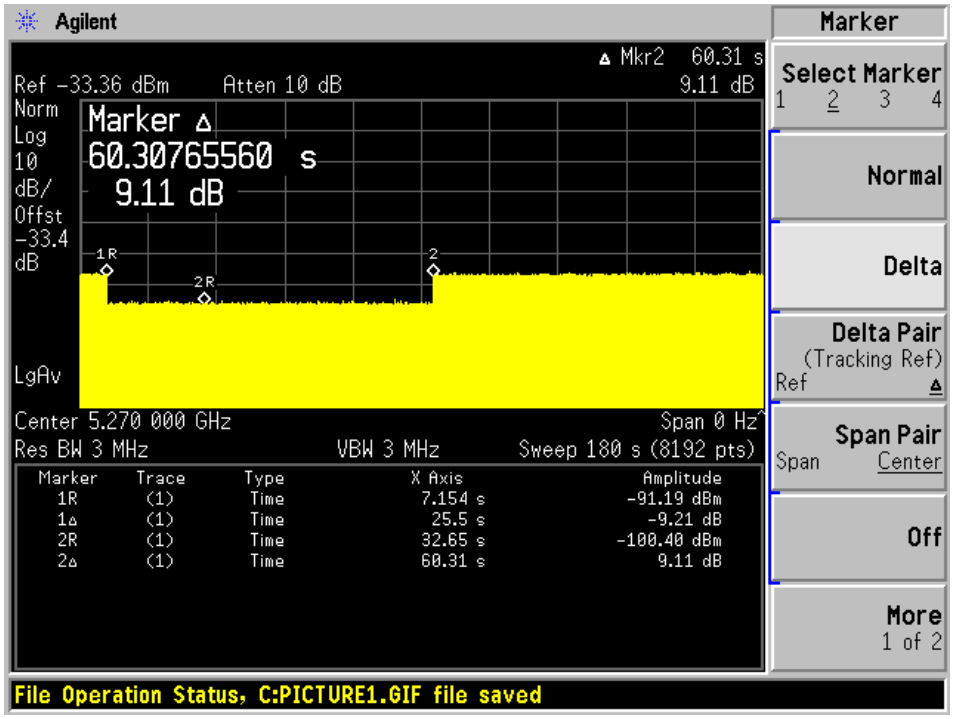
Results:

Timing of Radar Burst	Spectrum Analyzer Display
No Radar Triggered	Transmission begin after power-up cycle +60 seconds CAC
Within 2 seconds of the CAC starting	No transmission
Within the last 2 seconds of the CAC	No transmission

Please refer to the following plots.

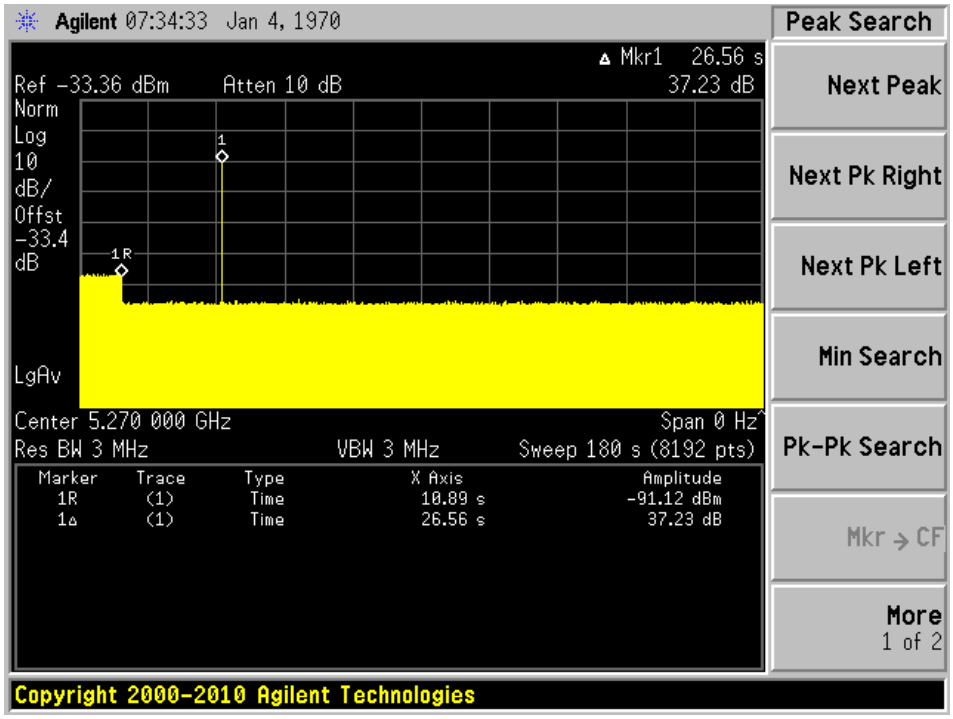
5270 MHZ Bandwidth 40 MHz

Plot of without Radar signal applied



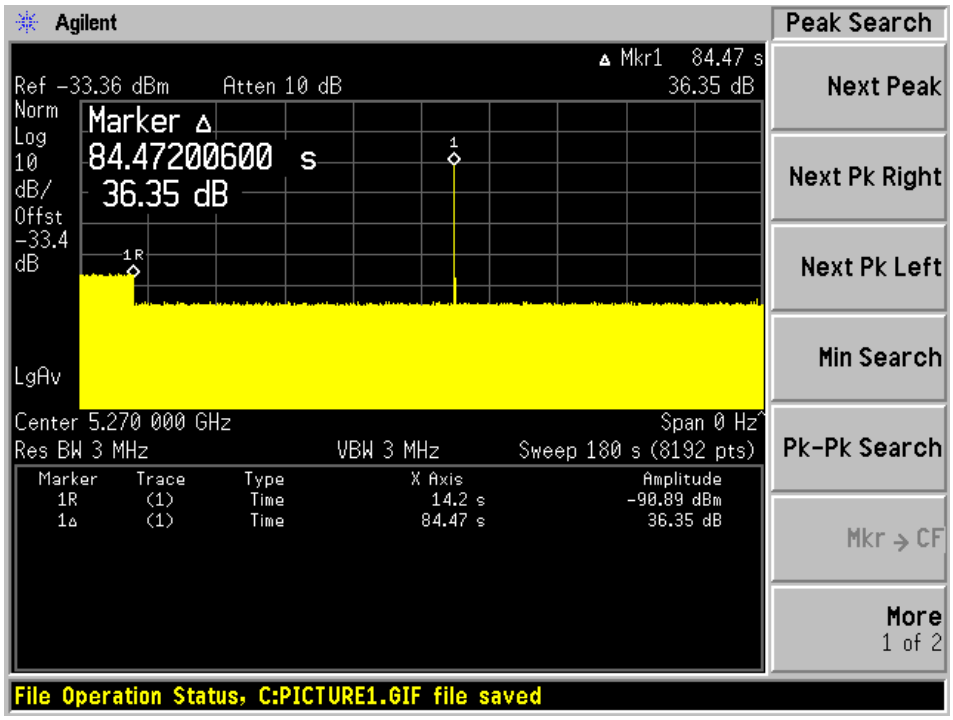
Note: The power-up cycle is 25.5 seconds.

Plot of Radar signal applied within 2 seconds of start of CAC



No transmissions found after radar signal applied.

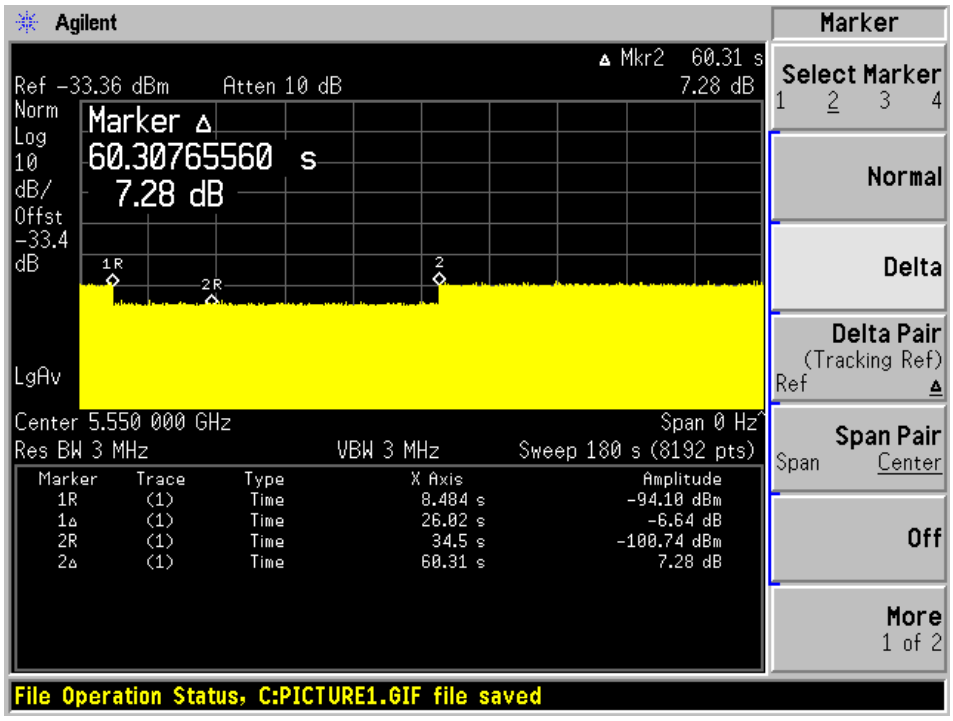
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

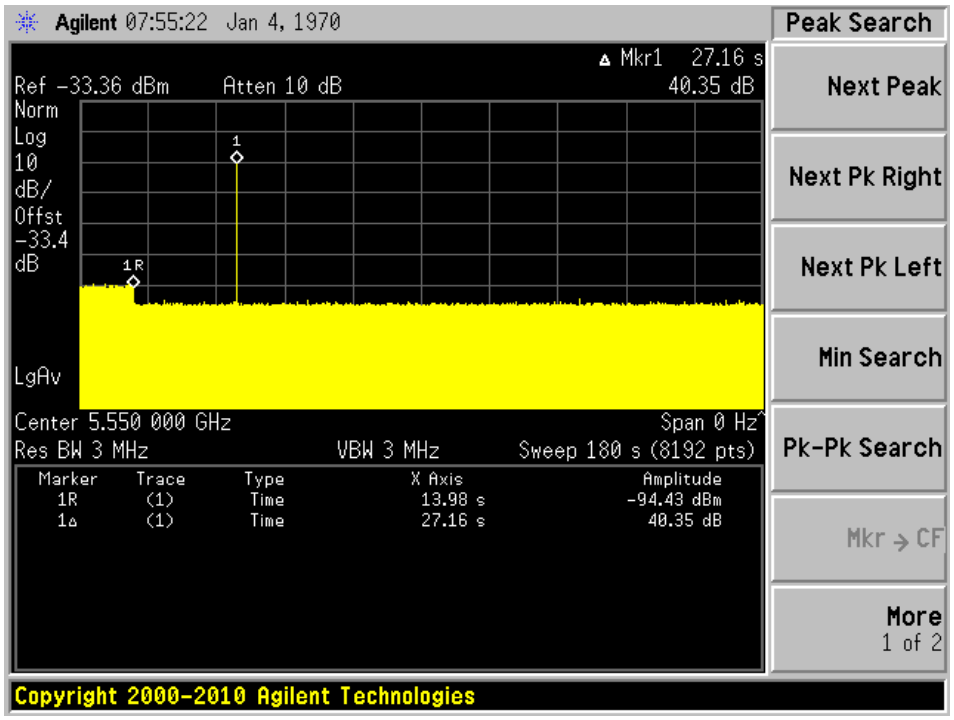
5550 MHZ Bandwidth 40 MHz

Plot of without Radar signal applied



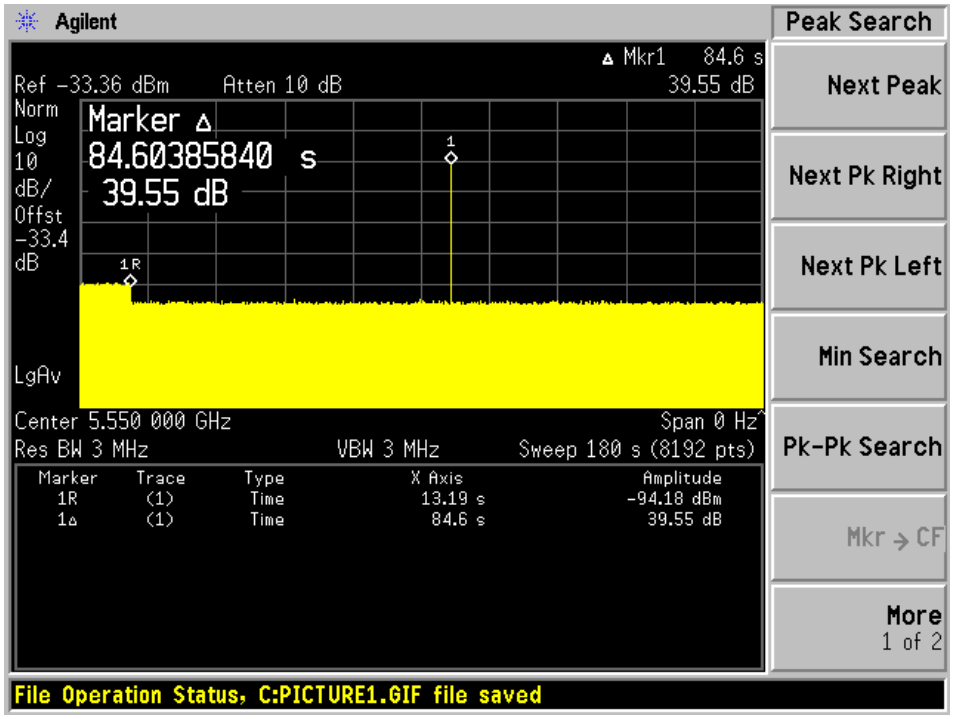
Note: The power-up cycle is 26 seconds.

Plot of Radar signal applied within 2 seconds of start of CAC



No transmissions found after radar signal applied.

Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

7 Channel Move Time and Channel Closing Transmission Time

7.1 Test Procedure

Perform one of the type1 to type 4 short pulse radar waveform, BACL use type 1 radar signal, repeat using a long pulse radar type5 waveform.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time = N * Dwell Time

N is the number of spectrum analyzer bins showing a device transmission
Dwell Time is the dwell time per bin (i.e. Dwell Time = S/B, S is the sweep time and B is the number of bin, i.e. 8192)

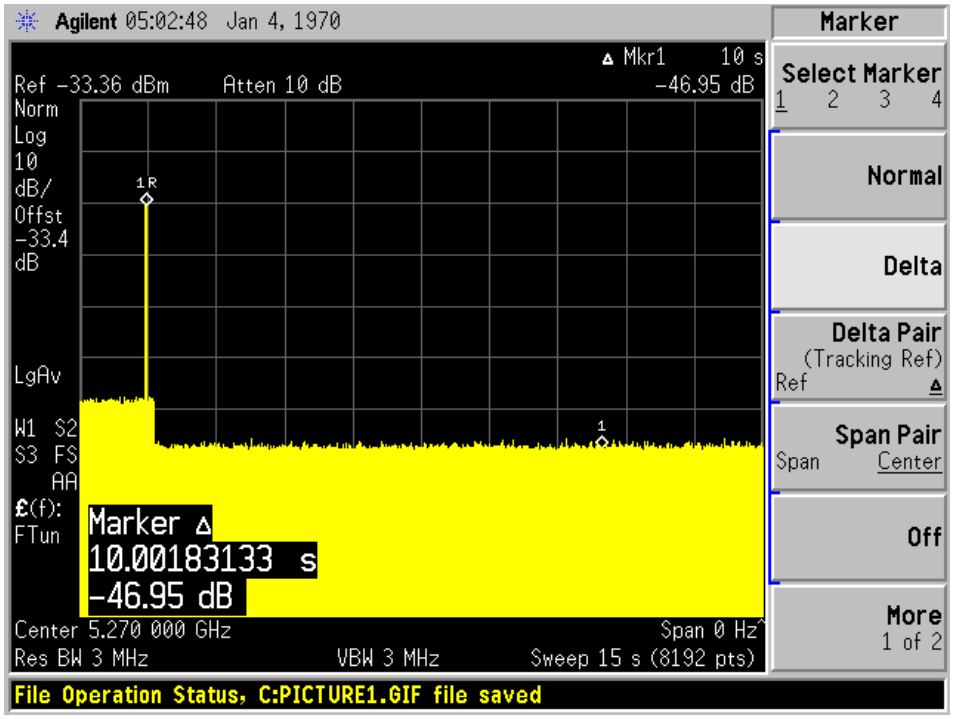
7.2 Test Results

Frequency (MHz)	Bandwidth (MHz)	Radar Type	Results
5270	40	Type 1	Compliant
		Type 5	Compliant
5550	40	Type 1	Compliant
		Type 5	Compliant

Please refer to the following tables and plots.

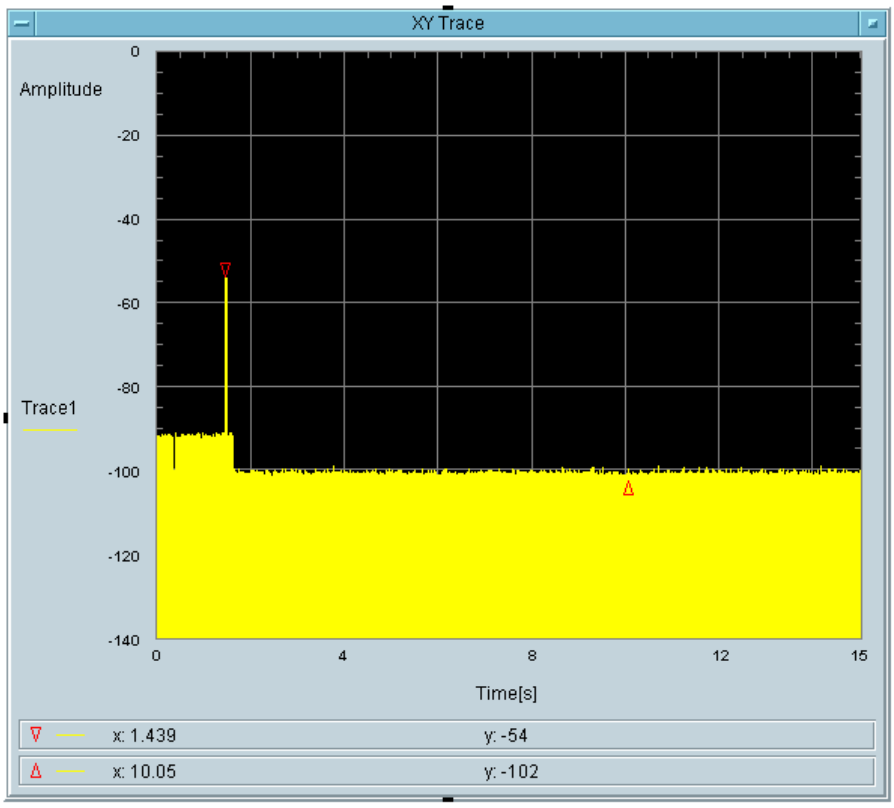
5270 MHz Bandwidth 40 MHz

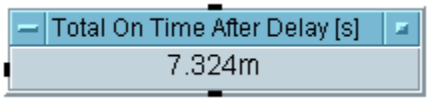
Type 1 radar channel move time result:



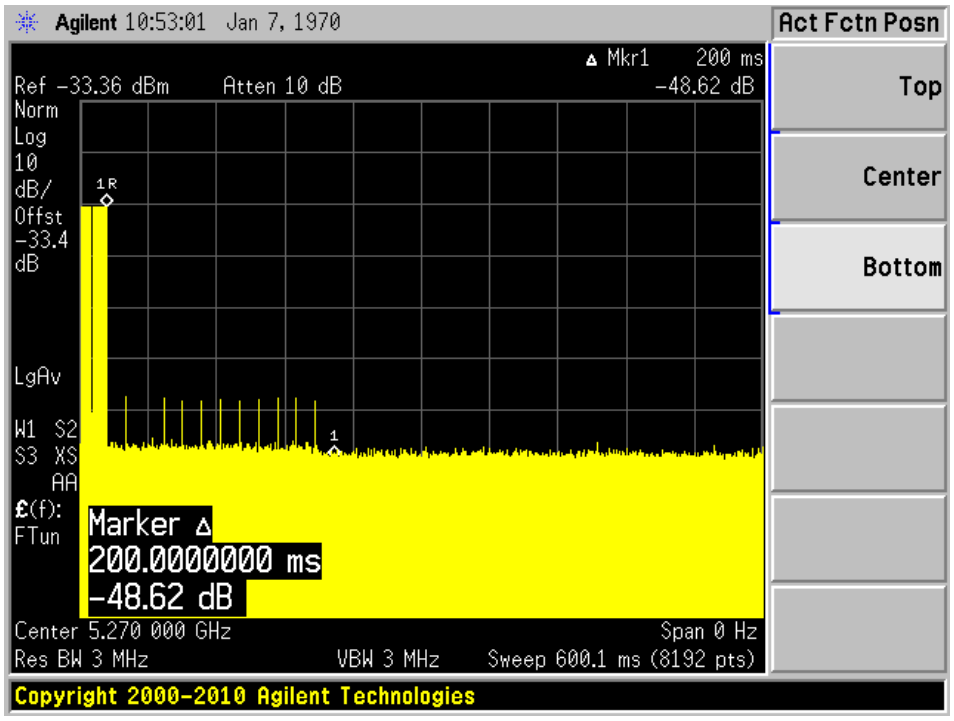
Type1 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
7.324	60	52.676



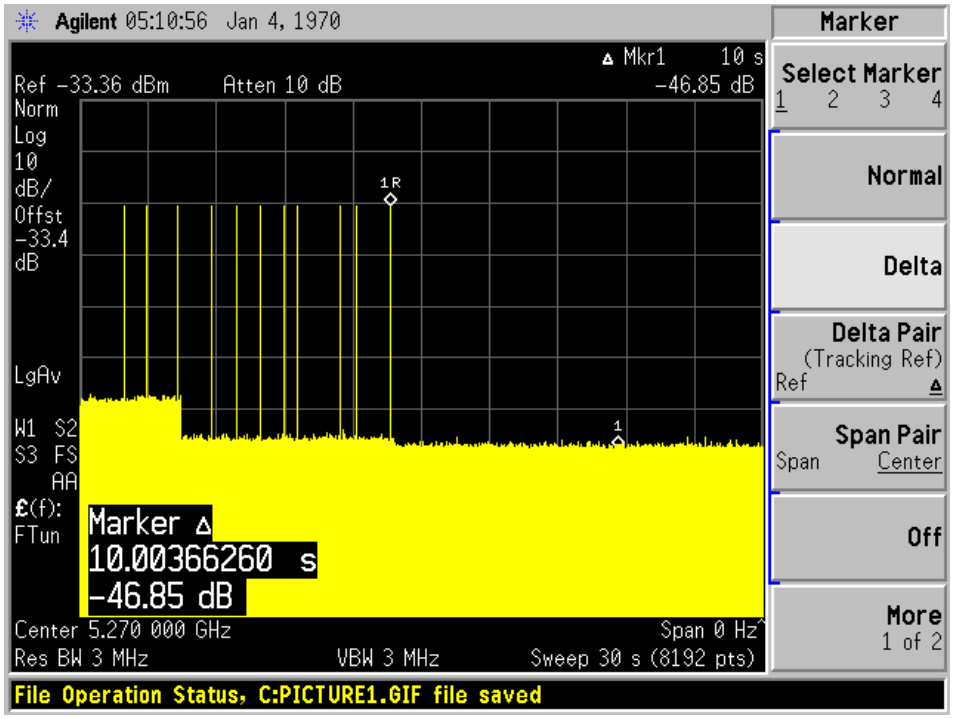


Type1 radar 600ms result:



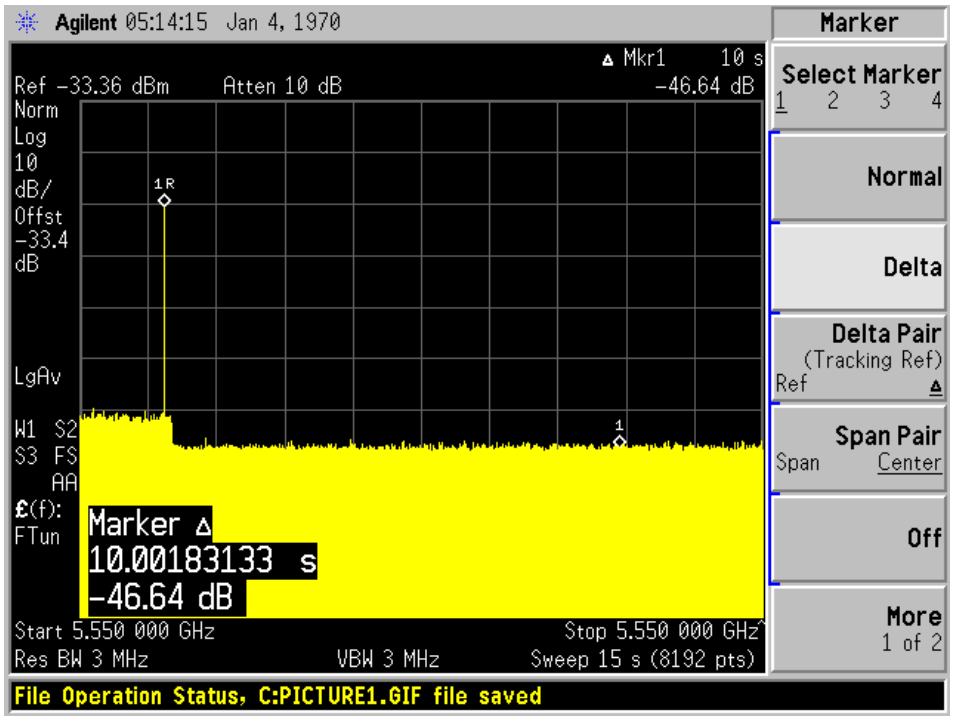
Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



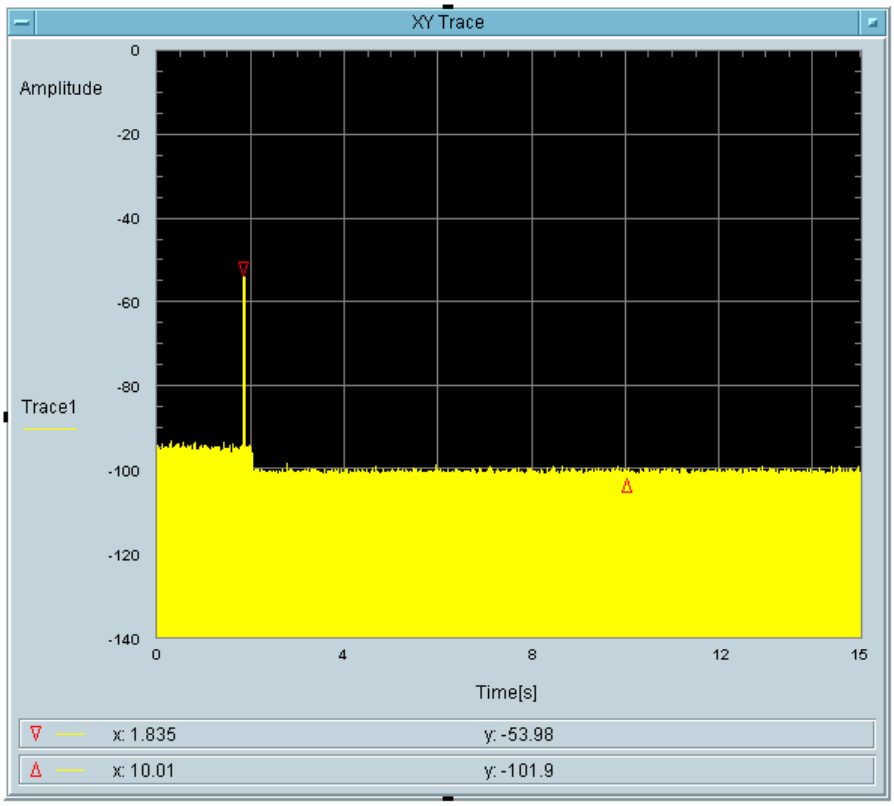
5550 MHz Bandwidth 40 MHz

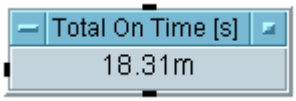
Type 1 radar channel move time result:

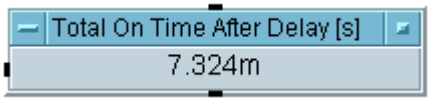


Type1 radar channel closing transmission time result:

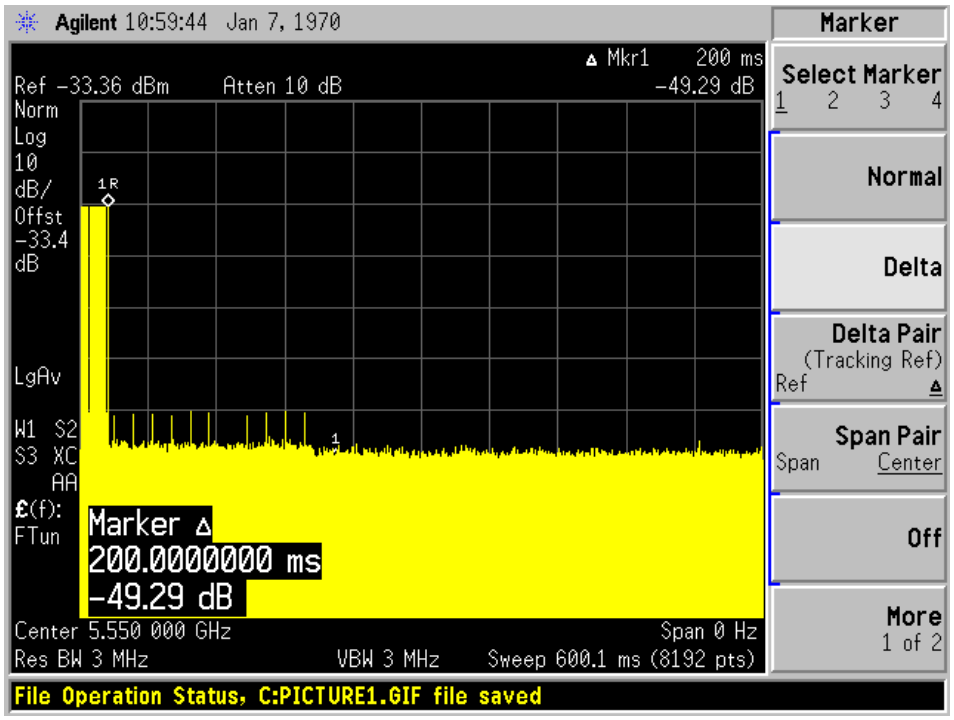
Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
7.324	60	52.676





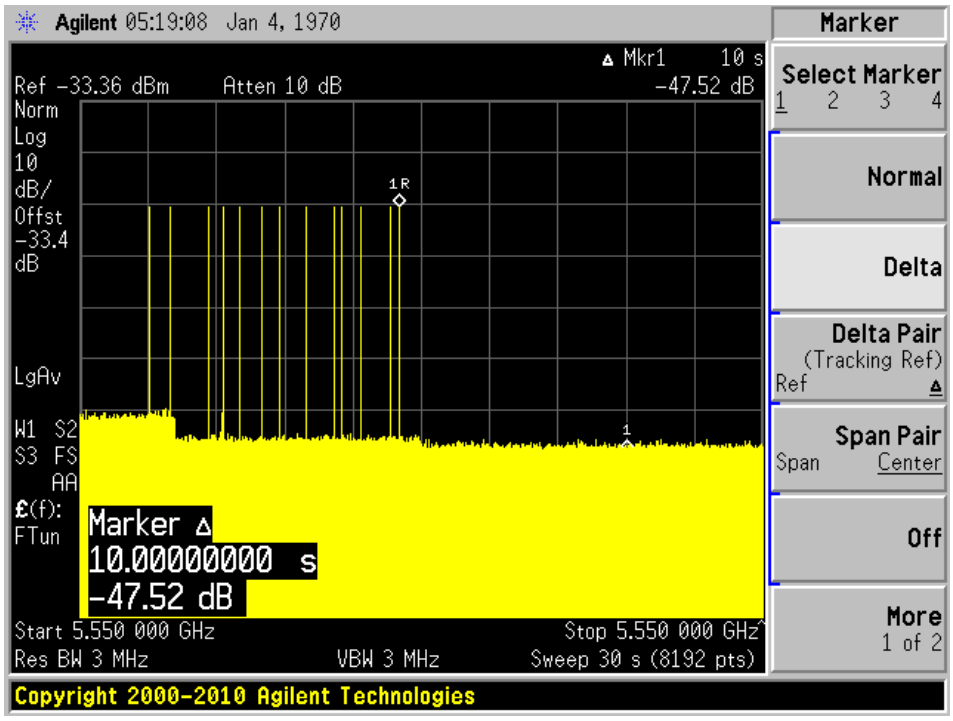


Type1 radar channel 600ms result:



Type 5 radar channel move time result:

The traffic ceases period to the end of the radar waveform, therefore it also ceases period to 10 seconds after of the end of the radar waveform.



8 Non-Occupancy Period

8.1 Test Procedure

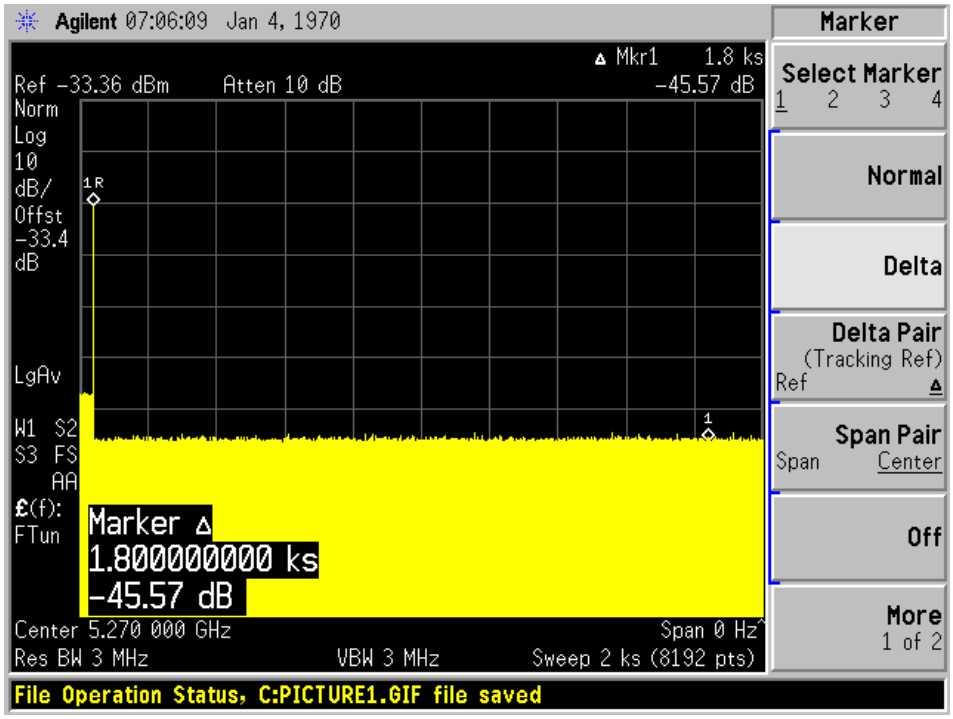
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Results

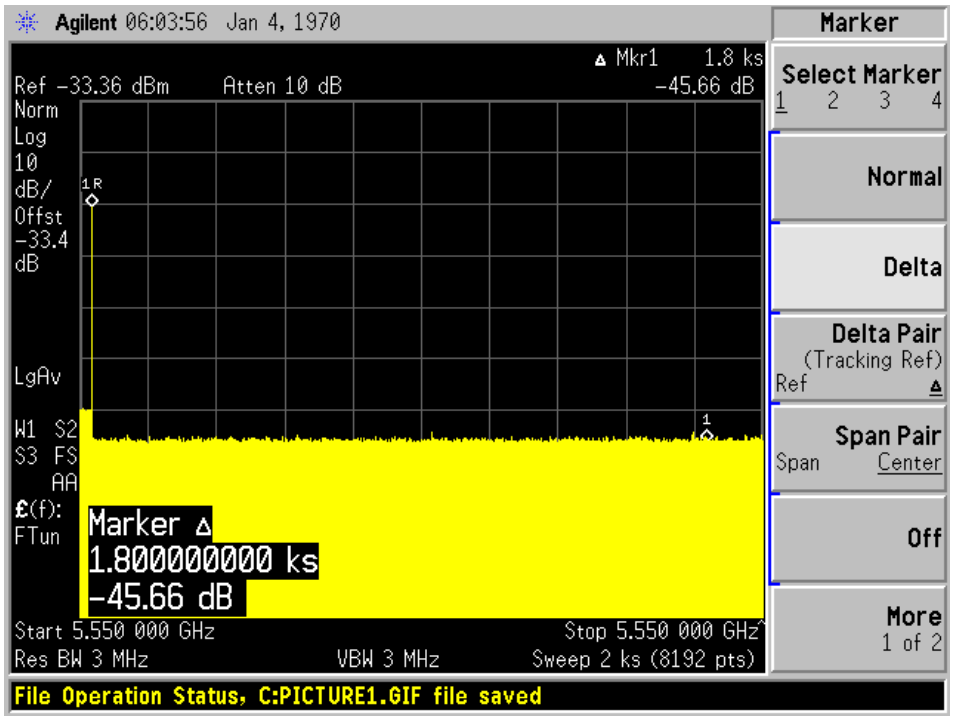
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5270	40	No transmission within 30 minutes
5550	40	No transmission within 30 minutes

Please refer to the following plots.

5270 MHz Bandwidth 40 MHz



5550 MHz Bandwidth 40 MHz



9 Detection Bandwidth

9.1 Procedure

Performed with any one of the short pulse radar waveforms (type 1, 2, 3 or 4)

Start with radar generator frequency set to the center of the channel (Fc)
Perform at least 10 trials and confirm at least 90% detected
Increment radar generator frequency by 1 MHz and repeat
Perform at least 10 trials and confirm at least 90% detected
Continue incrementing the radar frequency until detection rate falls below 90%

Starting at Fc - 1 MHz, repeat the process, this time decrementing the radar frequency by 1 MHz

F_L is the lowest frequency at which detection was 80% or better
F_H is the highest frequency at which detection was 80% or better

UNII Detection Bandwidth = F_H - F_L

9.2 Result

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5270	5252	5288	40	80%	Compliance
5550	5529	5571	40	80%	Compliance

Please refer to the following tables and plots.

Results of Detection Bandwidth:

EUT Frequency = 5270 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5250	0	0	0	0	0	0	0	0	0	0	0 %
5251	0	0	0	0	0	0	0	0	0	0	0 %
5252(F_L)	1	1	1	1	1	1	1	1	0	1	90 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5256	1	1	1	1	1	0	1	1	1	1	90 %
5258	1	1	1	1	1	1	1	1	1	1	100 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5262	1	1	1	1	1	1	0	1	1	1	90 %
5264	1	1	1	1	1	1	1	1	1	1	100 %
5266	1	0	1	1	1	1	1	1	1	1	90 %
5268	1	1	1	1	1	1	1	1	1	1	100 %
5270(Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5272	1	1	1	1	1	1	1	1	1	1	100 %
5274	1	1	1	1	1	1	1	1	1	1	100 %
5276	1	1	1	1	1	1	1	1	1	1	100 %
5278	1	1	1	0	1	1	1	1	1	1	90 %
5280	1	1	1	0	1	1	1	1	1	1	90 %
5282	1	1	1	0	1	1	1	1	1	1	90 %
5284	1	1	1	1	1	1	1	1	1	1	100 %
5286	1	1	1	1	1	1	1	1	1	1	100 %
5288(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5289	0	0	0	0	0	0	0	0	0	0	0 %
5290	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$ = 5288-5252 = 36 MHz											
EUT 99% BW = 38.72 ; 38.7 * 80% = 30.96 MHz **Result:** Pass											

EUT Frequency = 5550 MHz											
DFS Detection Trials (1 = Detected, Blank = No Detected)											
Radar Frequency (MHz)	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**Detection Rate (%)**
5530	0	0	0	0	0	0	0	0	0	0	0 %
5531	0	0	0	0	0	0	0	0	0	0	0 %
5532(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5534	1	1	1	1	1	1	1	1	1	1	100 %
5536	1	1	1	1	1	1	1	1	1	1	100 %
5538	1	1	1	1	1	1	1	1	1	1	100 %
5540	1	1	1	1	1	1	1	1	1	1	100 %
5542	1	1	1	1	1	1	1	1	1	1	100 %
5544	1	1	1	1	1	1	1	1	1	1	100 %
5546	1	1	1	1	1	1	1	1	1	1	100 %
5548	1	1	1	1	1	1	1	1	1	1	100 %
5550 (Fc)	1	1	1	1	1	1	1	1	1	1	100 %
5552	1	1	1	1	1	1	1	1	1	1	100 %
5554	1	1	1	1	1	1	1	1	1	1	100 %
5556	1	1	1	1	1	1	1	1	1	1	100 %
5558	1	1	1	1	1	1	1	1	1	1	100 %
5560	1	1	1	1	1	1	1	1	1	1	100 %
5562	1	1	1	1	1	1	1	1	1	1	100 %
5564	1	1	1	1	1	1	1	1	1	1	100 %
5566	1	1	1	1	1	1	1	1	1	1	100 %
5568(F_H)	1	1	1	1	1	1	1	1	1	1	100 %
5569	0	0	0	0	0	0	0	0	0	0	0 %
5570	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$ = 5568 – 5532 = 36 MHz											
EUT 99% BW = 37.92 MHz; 37.92 * 80% = 30.336 MHz									**Result:**		Pass

9.3 Radar Detection

Procedure:

Stream MPEG file from master to slave
Generate radar waveform
Record whether or not the waveform was detected
At least 30 trials are applied for each radar type
For radar types with randomized parameters, each trial uses a unique waveform
Perform with each of the radar types 1-6

Confirm that the detection rate for each radar type meets the minimum requirement
Type 1, 2, 3, 4: 60% each
Type 5: 80%
Type 6: 70%
Confirm that the mean of the rates for radar types 1 through 4 meets the requirement of 80%

$$\text{Detection Ratio} = \frac{\text{Total Waveform Detections}}{\text{Total Waveform Trials}} \times 100$$

Results:

40 MHz OBW

5270 MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1	30	100 %	60%	Pass
Type 2	30	100 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	96.7 %	60%	Pass
Aggregate (Type1 to 4)	120	99.175 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

5270 MHz

Table-1 Radar Type 1 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	18	1	1428	1
2	5270	18	1	1428	1
3	5270	18	1	1428	1
4	5270	18	1	1428	1
5	5270	18	1	1428	1
6	5270	18	1	1428	1
7	5270	18	1	1428	1
8	5270	18	1	1428	1
9	5270	18	1	1428	1
10	5270	18	1	1428	1
11	5270	18	1	1428	1
12	5270	18	1	1428	1
13	5270	18	1	1428	1
14	5270	18	1	1428	1
15	5270	18	1	1428	1
16	5270	18	1	1428	1
17	5270	18	1	1428	1
18	5270	18	1	1428	1
19	5270	18	1	1428	1
20	5270	18	1	1428	1
21	5270	18	1	1428	1
22	5270	18	1	1428	1
23	5270	18	1	1428	1
24	5270	18	1	1428	1
25	5270	18	1	1428	1
26	5270	18	1	1428	1
27	5270	18	1	1428	1
28	5270	18	1	1428	1
29	5270	18	1	1428	1
30	5270	18	1	1428	1
Detection Percentage: 100 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	25	1.8	195	1
2	5270	25	4.4	193	1
3	5270	26	3.9	197	1
4	5270	24	2.7	208	1
5	5270	28	2.3	217	1
6	5270	28	2.2	170	1
7	5270	24	4.4	196	1
8	5270	26	1.9	188	1
9	5270	27	1.6	185	1
10	5270	29	3.3	204	1
11	5270	24	3.7	223	1
12	5270	27	2.1	226	1
13	5270	25	3.4	178	1
14	5270	24	4.4	175	1
15	5270	25	2.4	209	1
16	5270	24	2.5	230	1
17	5270	27	3.5	201	1
18	5270	25	4.8	186	1
19	5270	27	4	211	1
20	5270	26	3.1	162	1
21	5270	23	2.1	184	1
22	5270	23	2.1	164	1
23	5270	29	4.8	169	1
24	5270	29	3.7	225	1
25	5270	29	3.4	178	1
26	5270	29	1.4	203	1
27	5270	24	3.9	219	1
28	5270	29	2.2	216	1
29	5270	28	2.9	174	1
30	5270	23	4.3	226	1
Detection Percentage: 100 % (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5270	18	6.2	268	1
2	5270	17	6.4	413	1
3	5270	16	6.2	495	1
4	5270	18	9.9	220	1
5	5270	17	9.2	208	1
6	5270	18	7.3	427	1
7	5270	16	8.4	431	1
8	5270	16	8.5	428	1
9	5270	16	9.5	416	1
10	5270	18	9	371	1
11	5270	18	8.6	405	1
12	5270	18	10	488	1
13	5270	18	10	387	1
14	5270	17	8.7	482	1
15	5270	18	9.9	260	1
16	5270	18	6.2	481	1
17	5270	17	8.5	261	1
18	5270	18	8.2	321	1
19	5270	16	9.8	459	1
20	5270	16	8	467	1
21	5270	16	7.7	464	1
22	5270	17	7.5	210	1
23	5270	17	6.7	438	1
24	5270	16	8.3	376	1
25	5270	17	7.9	414	1
26	5270	16	9.9	208	1
27	5270	18	6.3	386	1
28	5270	16	9.7	388	1
29	5270	17	6.6	219	1
30	5270	16	8.2	425	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5270	15	19.1	482	1
2	5270	14	18.6	481	1
3	5270	15	18.2	269	1
4	5270	15	17.4	378	1
5	5270	15	11.1	350	1
6	5270	15	17.9	451	1
7	5270	12	14.2	310	1
8	5270	15	19.4	286	1
9	5270	12	13.1	244	1
10	5270	14	12.5	363	1
11	5270	14	14.7	310	1
12	5270	13	11.9	240	1
13	5270	12	14.3	500	1
14	5270	15	15.4	275	0
15	5270	16	17.3	366	1
16	5270	15	16.3	271	1
17	5270	12	14.4	390	1
18	5270	16	12.5	202	1
19	5270	14	15.4	212	1
20	5270	12	11.2	292	1
21	5270	15	11.1	401	1
22	5270	14	19.5	342	1
23	5270	16	16.4	276	1
24	5270	16	15.5	303	1
25	5270	13	13.8	473	1
26	5270	15	17.9	345	1
27	5270	12	13.7	496	1
28	5270	13	12.5	346	1
29	5270	15	13.1	254	1
30	5270	12	15.8	329	1
Detection Percentage: 96.7 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	16	70.1			0.744982	1
1	2	19	60.4	1117		1.348825	
2	3	9	55.1	1180	1884	1.72918	
3	2	10	89.9	1362		2.609962	
4	2	18	89.5	1278		3.622244	
5	1	16	71			4.055972	
6	2	16	95.2	1195		5.151535	
7	3	17	73.5	1029	1097	5.989034	
8	2	10	56.6	1655		6.089003	
9	2	5	88.7	1694		7.218543	
10	2	10	75	1063		7.800518	
11	2	12	65.7	1563		8.524032	
12	2	14	82.6	1416		9.46331	
13	1	10	50.7			9.969551	
14	2	15	78.8	1339		11.230072	
15	2	10	75.9	1599		11.98688	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	83.1	1825		0.481591	1
1	3	10	74.7	1775	1778	1.337823	
2	2	11	60.9	1903		2.220997	
3	1	7	76.5			3.105481	
4	2	15	54.2	1570		4.889477	
5	3	12	58.6	1990	1427	5.161489	
6	3	8	60.5	1522	1500	6.79316	
7	2	19	88.8	1726		7.465151	
8	3	19	78.7	1014	1549	8.640925	
9	3	6	57.8	1653	1834	9.289343	
10	3	16	54.2	1317	1589	10.487964	
11	2	20	74.1	1240		11.621607	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	12	61.1	1801		0.381597	
1	3	10	59.8	1006	1566	1.035495	
2	2	6	89.8	1927		2.043278	
3	2	9	60.7	1559		2.409918	
4	3	15	65.2	1285	1617	3.316539	
5	2	7	70.4	1553		3.8039	
6	1	11	78.6			4.543712	
7	1	17	59.1			5.547149	
8	2	19	68.5	1550		5.955888	1
9	2	8	64	1424		6.466	
10	3	19	56	1476	1483	7.530682	
11	2	18	76	1161		8.402648	
12	1	7	74.1			8.57166	
13	3	7	87	1511	1916	9.661264	
14	2	7	89.2	1633		10.246839	
15	3	10	70	1960	1419	10.909882	
16	2	13	61.5	1279		11.662359	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	16	94.4	1051		0.131716	
1	2	18	52.9	1618		1.194544	
2	3	6	53.9	1394	1969	1.513163	
3	1	9	75.7			2.223353	
4	2	6	68.6	1358		3.04491	
5	3	14	97.8	1430	1202	3.740058	
6	1	7	97.7			3.913958	
7	2	15	95.7	1173		4.70517	
8	1	12	84.7			5.31601	
9	2	13	91.2	1335		5.706409	1
10	2	8	81.3	1881		6.323968	
11	1	15	92			7.418581	
12	1	18	57.9			7.621078	
13	2	18	80.4	1804		8.385052	
14	2	9	96.3	1347		9.327916	
15	2	11	75.5	1549		10.032039	
16	2	7	83.1	1164		10.218956	
17	1	14	95.1			11.305996	
18	3	14	99.8	1943	1404	11.784202	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	96.9	1793		0.870603	
1	1	6	82.2			1.521473	
2	3	16	60.9	1890	1631	3.545324	
3	2	12	87.9	1235		4.837839	
4	1	13	92.2			6.546893	1
5	2	19	61.8	1518		7.545032	
6	3	17	51.1	1505	1088	9.017556	
7	2	6	86.7	1733		10.354672	
8	3	15	56	1902	1265	10.826887	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	15	59.9			0.501668	1
1	3	6	59.4	1168	1466	1.133425	
2	3	13	58.6	1899	1904	1.532752	
3	2	18	78.8	1627		2.068495	
4	3	14	59.9	1352	1642	2.840627	
5	2	14	87.4	1951		3.273951	
6	3	11	60.9	1822	1313	4.168724	
7	2	9	52.8	1304		4.759661	
8	1	17	79			4.930156	
9	2	19	82.8	1231		5.535031	
10	2	6	85.4	1555		6.460239	
11	2	9	75.4	1329		7.021885	
12	3	14	97.3	1423	1455	7.485154	
13	2	11	65.2	1835		8.180835	
14	3	18	67.5	1042	1819	8.448578	
15	2	13	91.2	1427		9.332737	
16	2	16	50.6	1577		10.098445	
17	3	9	51.4	1669	1834	10.570373	
18	1	13	95.2			10.960235	
19	2	6	53.1	1671		11.483516	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	13	79.2	1710		0.156993	1
1	2	17	60.7	1993		1.705041	
2	3	13	73.2	1443	1313	2.524431	
3	2	12	99	1509		3.899134	
4	1	8	72.3			5.296078	
5	2	5	87.9	1161		7.184171	
6	2	12	90	1020		7.593812	
7	3	18	55.6	1126	1516	8.946909	
8	2	13	60.4	1078		10.267195	
9	2	9	89.9	1699		10.920397	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	94.6			0.089686	
1	2	14	53.9	1791		0.965963	
2	2	14	60.3	1810		2.722867	
3	1	18	73			3.119841	
4	1	7	50.8			3.794217	
5	2	12	76.1	1367		4.68805	
6	1	9	55.6			5.562707	1
7	1	10	98.5			6.70373	
8	2	19	89.7	1097		7.556381	
9	2	17	55.7	1989		9.141146	
10	2	8	96.5	1289		10.13212	
11	3	17	64.2	1215	1020	10.380852	
12	2	9	84.5	1697		11.587774	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	90.7	1908	1176	0.74868	
1	2	15	85.2	1351		1.070451	
2	2	9	84.1	1983		2.871954	
3	2	16	98.2	1858		3.935563	
4	3	18	87.2	1431	1806	4.640579	
5	2	16	95.6	1455		5.453837	
6	3	16	87.2	1010	1799	6.720733	1
7	1	8	95.4			7.140457	
8	2	7	71.6	1839		8.279652	
9	2	5	70.7	1450		9.524044	
10	2	8	83.4	1218		10.95052	
11	2	18	53.2	1979		11.60595	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	53.6			0.00297	1
1	3	13	69.9	1527	1874	0.706038	
2	2	8	81.6	1469		1.610211	
3	2	10	61.3	1671		2.68529	
4	3	8	69	1055	1471	3.060508	
5	2	19	74.7	1493		3.692501	
6	1	19	96.2			4.634031	
7	3	15	64.2	1477	1690	5.601363	
8	1	14	92.5			6.283069	
9	1	14	61			6.480442	
10	2	5	65.4	1631		7.568578	
11	2	14	96.8	1887		8.458078	
12	3	8	58.4	1797	1516	9.057957	
13	1	5	81.4			9.778924	
14	2	14	57.2	1300		10.153095	
15	1	9	77.9			10.696341	
16	2	5	57.2	1149		11.580201	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	99.8	1399		0.427316	
1	2	15	78.2	1080		1.084213	
2	2	18	81.3	1342		1.726587	
3	2	9	58.9	1537		2.135947	
4	2	19	54.5	1966		3.032594	
5	3	17	58.3	1343	1647	3.599986	
6	3	20	52.4	1171	1142	4.234169	
7	1	17	56.5			4.908228	
8	2	11	89.7	1847		5.52893	
9	2	6	84.9	1364		6.076723	1
10	3	20	61.9	1496	1888	6.569544	
11	2	13	64.2	1189		7.184998	
12	3	16	68.8	1367	1776	8.118959	
13	3	6	50.3	1089	1938	8.274869	
14	1	5	78.3			8.933612	
15	2	13	55.3	1874		9.683805	
16	1	11	80.6			10.26408	
17	2	18	70.8	1767		10.84516	
18	3	17	61.3	1075	1878	11.575618	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	91.8	1122	1501	0.822577	
1	2	7	74.7	1964		2.366074	
2	3	15	57.4	1336	1367	2.768088	
3	2	5	99.3	1700		4.484038	
4	2	11	78.8	1988		5.769889	1
5	2	8	63.8	1641		6.707799	
6	2	10	60.8	1138		7.570619	
7	2	15	87.5	1421		8.957751	
8	1	18	59.1			9.924219	
9	1	10	61.6			11.520685	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	56.8			0.128974	
1	3	10	82.4	1692	1122	1.370201	
2	2	17	51.2	1295		1.717468	
3	3	19	93.1	1212	1239	2.712755	
4	1	13	78.2			3.528752	
5	2	13	56.9	1881		4.34497	
6	3	5	83.7	1970	1504	5.765267	1
7	3	9	74.4	1693	1538	6.450948	
8	2	20	50.6	1434		7.065024	
9	1	11	76.5			8.181568	
10	2	13	59.2	1054		8.887839	
11	2	16	83.7	1182		9.785131	
12	2	16	64.2	1911		10.638804	
13	2	7	63.9	1145		11.40379	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	78.8			0.623514	
1	2	15	94.9	1776		1.430385	
2	3	19	55.1	1117	1371	1.898999	
3	2	7	97.8	1128		2.690423	
4	1	8	64.2			3.869422	
5	2	13	63.3	1461		4.327941	
6	2	15	80.4	1378		5.481976	
7	3	15	76.9	1851	1547	6.406952	1
8	2	16	90.7	1441		6.868215	
9	1	8	78.4			8.083585	
10	1	6	86			9.073675	
11	3	10	74.6	1275	1767	9.973516	
12	2	17	68.1	1265		10.518124	
13	2	14	88.8	1466		11.507746	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	98.6	1549		0.524099	
1	3	7	54.7	1309	1895	1.100039	
2	2	6	52	1942		1.678663	
3	3	7	86.9	1601	1779	2.438235	
4	1	19	77.6			3.274086	
5	2	12	55	1805		4.133367	
6	2	5	99.6	1127		4.380576	
7	3	10	55.1	1636	1262	5.344247	
8	2	10	96.9	1207		6.079929	1
9	3	18	92.8	1950	1722	6.583509	
10	2	13	61.1	1257		7.180606	
11	3	13	50.9	1695	1195	8.185669	
12	2	9	69.4	1145		8.611426	
13	1	14	99.5			9.643971	
14	3	9	60.5	1703	1677	10.10929	
15	3	18	54.9	1572	1923	10.689667	
16	2	18	91.1	1048		11.872198	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	20	64.2	1644		0.364421	
1	1	10	64.1			1.63198	
2	3	7	76.7	1645	1786	3.228144	
3	3	17	89.3	1315	1589	3.78864	
4	2	19	65.9	1065		4.955257	
5	1	13	72.3			5.632649	1
6	2	16	56.2	1563		6.609655	
7	2	8	68.3	1751		8.640978	
8	2	19	54	1312		8.939616	
9	1	14	86.3			10.558598	
10	3	10	93	1940	1467	11.220215	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	94.9			0.365362	1
1	1	8	78.2			1.016912	
2	2	18	75.1	1940		1.658658	
3	2	12	98.9	1869		1.925843	
4	1	9	99.5			2.467024	
5	3	18	51.8	1715	1461	3.518961	
6	1	12	99.8			3.708302	
7	2	7	85.8	1619		4.440096	
8	2	19	93.6	1081		4.993647	
9	2	8	95.8	1069		5.678614	
10	1	10	84.4			6.43809	
11	2	15	90.5	1800		6.770074	
12	3	10	70	1905	1114	7.722837	
13	2	17	64.1	1034		8.227553	
14	1	19	91.9			8.636122	
15	2	19	85.8	1697		9.131807	
16	2	15	77.8	1822		9.991771	
17	2	9	51.8	1067		10.739304	
18	1	9	91.5			10.962936	
19	1	14	65.7			11.819527	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	7	86.3			0.235909	
1	3	16	89.8	1953	1633	1.255099	
2	2	9	75.5	1409		1.569913	
3	1	13	88.5			2.285128	
4	1	17	85			2.99709	
5	2	11	93.4	1843		3.589858	
6	2	19	76.4	1078		4.153088	
7	2	7	99.4	1239		4.875597	
8	2	6	76.4	1403		5.922307	1
9	3	17	98.8	1475	1514	6.297526	
10	3	14	94.1	1775	1551	6.911254	
11	3	11	97.2	1998	1741	7.42729	
12	3	8	86.2	1638	1837	8.216231	
13	3	6	84.5	1336	1663	8.939742	
14	2	15	64.4	1903		9.474371	
15	2	7	74.1	1610		10.292625	
16	3	5	81.9	1203	1253	10.769301	
17	2	17	68.4	1740		11.660985	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	88.5	1779	1218	0.002846	
1	3	13	73.6	1717	1454	1.558635	
2	1	9	85.9			2.403099	
3	2	18	66.4	1055		4.264827	
4	3	18	50.2	1180	1500	4.738054	
5	1	14	65.1			6.060179	1
6	2	17	55	1765		6.688157	
7	2	9	82.1	1801		7.869854	
8	3	15	73.9	1267	1937	9.017065	
9	1	20	59.5			10.840262	
10	2	18	77.9	1776		11.474939	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	84.3	1017		0.34703	1
1	2	9	99.9	1312		0.698041	
2	2	7	68.3	1636		1.605052	
3	2	11	84.6	1183		2.078359	
4	1	8	90.2			2.462052	
5	3	12	72	1021	1539	3.524623	
6	3	18	87	1335	1520	4.046503	
7	1	12	72.4			4.34653	
8	2	20	92.6	1854		4.931951	
9	3	19	95.9	1061	1161	5.518207	
10	2	5	61.5	1555		6.591929	
11	1	17	51.9			7.057025	
12	3	12	97.7	1389	1325	7.32972	
13	1	16	56.2			7.806109	
14	2	19	72.3	1306		8.930425	
15	2	10	53.8	1053		9.124752	
16	3	8	78.6	1228	1132	10.177005	
17	1	6	74.9			10.221332	
18	2	14	86.5	1246		10.99791	
19	1	10	83.2			11.447591	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	76.4	1650		0.102941	1
1	2	6	94.8	1661		1.549212	
2	2	9	57.5	1031		1.95118	
3	2	16	69.8	1030		2.95839	
4	1	6	76.2			4.293135	
5	2	11	95.2	1385		4.878432	
6	3	10	73.2	1920	1436	5.889621	
7	3	7	85.1	1582	1817	7.081634	
8	2	10	98	1122		8.253936	
9	2	19	52.2	1306		9.118484	
10	2	19	93.3	1175		9.478585	
11	2	12	62.6	1628		10.986243	
12	1	10	92.9			11.475063	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	94.1			0.282267	1
1	1	16	68.8			1.144162	
2	1	17	50.6			1.664518	
3	1	16	67.1			2.776138	
4	2	9	60.3	1763		3.58307	
5	2	14	66.3	1461		4.053407	
6	1	11	54.5			5.20584	
7	2	19	96.8	1848		5.564122	
8	2	11	90.4	1794		6.065329	
9	2	20	86.8	1075		6.85337	
10	2	7	60.2	1394		7.989926	
11	1	18	87.1			8.738586	
12	3	6	52.7	1829	1286	9.668238	
13	2	14	61.1	1210		9.837381	
14	1	10	50.1			10.539037	
15	2	9	84	1490		11.816827	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	19	91.2			0.453016	1
1	3	9	57.7	1844	1557	1.327021	
2	2	7	79.4	1058		2.770096	
3	3	15	71.1	1814	1447	3.593978	
4	1	14	82.7			5.153117	
5	2	15	80.5	1994		5.942658	
6	2	18	50.8	1940		7.148892	
7	2	13	74.8	1248		8.082754	
8	1	15	51.6			8.838575	
9	2	19	56.4	1177		9.851129	
10	1	12	81.8			11.259775	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	9	97.7	1773		0.504016	
1	1	20	58.4			1.108618	
2	1	8	94.2			1.586841	
3	3	14	60.4	1386	1865	2.067372	
4	1	6	97			3.051686	
5	2	8	81.4	1619		3.34995	
6	1	16	59.5			4.157124	
7	3	13	90.3	1821	1651	4.951601	
8	3	10	86.6	1488	1827	5.821995	
9	1	11	80.3			6.563676	1
10	2	16	65.1	1079		7.112763	
11	1	12	73.9			7.410995	
12	2	19	87.2	1982		8.331472	
13	2	13	51	1864		9.066061	
14	1	17	62.5			9.810733	
15	1	8	82.2			10.039637	
16	1	16	50.2			10.9374	
17	2	19	53.1	1121		11.652955	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	11	92.3	1640		0.177351	
1	2	17	72.6	1798		0.952196	
2	2	9	79.2	1734		2.248594	
3	1	6	51.5			2.884005	
4	3	6	60.2	1942	1893	3.718099	
5	2	8	61.4	1834		4.144857	
6	2	10	67.7	1441		5.278386	
7	1	20	60.3			6.333002	1
8	2	16	80.4	1792		6.777224	
9	2	7	50.7	1636		7.867292	
10	3	17	90.8	1952	1265	8.569628	
11	2	9	66.1	1544		8.933777	
12	1	19	75.2			9.869328	
13	1	19	69.1			10.941084	
14	3	19	87.6	1671	1379	11.550821	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	18	98.9	1149		0.780614	
1	3	14	56.4	1220	1128	1.436501	
2	2	15	50.1	1933		2.125522	
3	2	10	93.5	1022		3.582834	
4	2	12	78.7	1878		4.560955	
5	2	16	67.4	1390		5.443617	
6	3	7	66.8	1391	1631	5.724681	1
7	3	17	84.9	1282	1546	6.74409	
8	2	6	85.1	1249		7.49088	
9	2	17	57.5	1843		8.869864	
10	2	11	81.7	1360		9.845899	
11	1	13	68.6			10.18379	
12	3	15	66.5	1763	1126	11.31573	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	5	54.5	1599		0.755814	
1	2	10	83.1	1519		1.18982	
2	3	19	53.3	1556	1018	2.018949	
3	1	9	52.1			2.854492	
4	1	16	73.1			3.693893	
5	2	17	76.6	1278		4.898003	
6	1	15	52.2			5.221551	
7	1	6	71.1			6.641739	1
8	3	17	88.5	1985	1633	7.234267	
9	1	9	58.9			8.069033	
10	1	6	68.1			8.855323	
11	1	11	81.7			10.278882	
12	2	8	55.6	1225		10.706939	
13	1	6	90.5			11.175431	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	82.2	1916		0.352436	
1	2	13	54.7	1839		1.671834	
2	2	15	91.7	1411		2.425622	
3	2	18	63.7	1164		3.571099	
4	3	16	94.7	1293	1978	4.439236	
5	2	7	79.2	1531		4.826388	
6	1	10	70.7			6.238956	1
7	3	6	96.8	1291	1885	6.487575	
8	1	19	86			8.071057	
9	3	10	52.8	1160	1057	8.501544	
10	3	6	86.4	1197	1813	9.995678	
11	2	14	90.3	1489		10.299619	
12	2	8	68.7	1307		11.492118	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	12	98.2			0.073956	
1	1	7	97.1			1.094232	
2	1	12	98.2			1.679993	
3	2	6	58.2	1188		2.754281	
4	3	18	83.7	1090	1899	3.423849	
5	3	15	50.8	1171	1675	3.82071	
6	1	5	77.7			4.362409	
7	2	16	83.9	1914		5.44495	
8	2	14	77.6	1844		5.960582	1
9	2	13	71.8	1561		6.452169	
10	1	18	74.9			7.176513	
11	2	10	97.4	1502		7.808434	
12	3	15	65.5	1621	1641	8.520801	
13	2	16	65.7	1528		9.452426	
14	2	17	53.4	1804		9.966515	
15	3	16	90.7	1167	1051	11.246796	
16	1	16	74			11.887013	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	14	83.4			0.912235	
1	3	7	64.9	1070	1765	1.903491	
2	2	15	87.6	1237		2.314101	
3	3	18	82.9	1770	1508	4.23508	
4	3	9	61.4	1983	1305	5.027593	
5	2	8	98.7	1344		5.894311	1
6	2	7	54.1	1915		7.085447	
7	1	20	54.9			8.324544	
8	2	7	51.7	1792		9.782877	
9	2	10	70	1976		9.836881	
10	2	14	80	1996		10.962332	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5270	9	1	333	1	5389.0, 5308.0, 5691.0, 5663.0, 5426.0, 5329.0, 5264.0, 5558.0, 5608.0, 5586.0, 5567.0, 5680.0, 5415.0, 5702.0, 5434.0, 5713.0, 5699.0, 5534.0, 5643.0, 5276.0, 5697.0, 5642.0, 5583.0, 5664.0, 5289.0, 5637.0, 5580.0, 5371.0, 5553.0, 5501.0, 5323.0, 5497.0, 5369.0, 5382.0, 5587.0, 5320.0, 5471.0, 5564.0, 5314.0, 5374.0, 5383.0, 5270.0, 5514.0, 5370.0, 5337.0, 5715.0, 5473.0, 5352.0, 5649.0, 5423.0, 5364.0, 5521.0, 5378.0, 5547.0, 5412.0, 5287.0, 5545.0, 5298.0, 5288.0, 5523.0, 5559.0, 5384.0, 5493.0, 5397.0, 5513.0, 5420.0, 5327.0, 5439.0, 5651.0, 5654.0, 5300.0, 5265.0, 5411.0, 5454.0, 5660.0, 5606.0, 5292.0, 5283.0, 5334.0, 5574.0, 5550.0, 5330.0, 5540.0, 5700.0, 5356.0, 5557.0, 5555.0, 5588.0, 5565.0, 5720.0, 5255.0, 5616.0, 5677.0, 5387.0, 5613.0, 5469.0, 5509.0, 5457.0, 5297.0, 5714.0 (number of hits: 9)
2	5270	9	1	333	1	5635.0, 5328.0, 5333.0, 5505.0, 5327.0, 5408.0, 5671.0, 5405.0, 5622.0, 5368.0, 5682.0, 5312.0, 5520.0, 5334.0, 5663.0, 5396.0, 5675.0, 5586.0, 5421.0, 5402.0, 5477.0, 5356.0, 5640.0, 5406.0, 5262.0, 5646.0, 5250.0, 5595.0, 5252.0, 5348.0, 5442.0, 5564.0, 5695.0, 5694.0, 5456.0, 5493.0, 5372.0, 5606.0, 5389.0, 5697.0, 5338.0, 5582.0, 5467.0, 5631.0, 5701.0, 5496.0, 5518.0, 5318.0, 5589.0, 5264.0, 5322.0, 5509.0, 5373.0, 5474.0, 5460.0, 5691.0, 5350.0, 5688.0, 5621.0, 5666.0, 5696.0, 5508.0, 5308.0, 5516.0, 5610.0, 5503.0, 5307.0, 5510.0, 5366.0, 5599.0, 5276.0, 5446.0, 5370.0, 5423.0, 5498.0, 5320.0, 5323.0, 5367.0, 5650.0, 5306.0, 5430.0, 5603.0, 5432.0, 5275.0, 5553.0, 5708.0, 5556.0, 5502.0, 5364.0, 5536.0, 5724.0, 5704.0, 5600.0, 5473.0, 5444.0, 5363.0, 5454.0, 5335.0, 5649.0, 5284.0 (number of hits: 4)
3	5270	9	1	333	1	5368.0, 5548.0, 5337.0, 5521.0, 5497.0, 5284.0, 5647.0, 5528.0, 5392.0, 5710.0, 5593.0, 5713.0, 5646.0, 5443.0, 5720.0, 5566.0, 5718.0, 5547.0, 5571.0, 5358.0, 5343.0, 5692.0, 5474.0, 5285.0, 5595.0, 5715.0, 5683.0, 5415.0, 5503.0, 5266.0, 5357.0, 5257.0, 5694.0, 5435.0, 5681.0, 5280.0, 5499.0, 5442.0, 5678.0, 5395.0, 5540.0, 5624.0, 5602.0, 5452.0, 5529.0, 5611.0, 5684.0, 5391.0, 5464.0, 5484.0, 5655.0, 5700.0, 5565.0, 5396.0, 5433.0,

						5301.0, 5696.0, 5277.0, 5575.0, 5265.0, 5423.0, 5722.0, 5492.0, 5475.0, 5679.0, 5390.0, 5676.0, 5534.0, 5514.0, 5466.0, 5350.0, 5601.0, 5440.0, 5311.0, 5324.0, 5339.0, 5416.0, 5305.0, 5386.0, 5286.0, 5372.0, 5721.0, 5336.0, 5334.0, 5253.0, 5363.0, 5552.0, 5716.0, 5667.0, 5703.0, 5481.0, 5493.0, 5650.0, 5686.0, 5489.0, 5317.0, 5570.0, 5407.0, 5638.0, 5530.0 (number of hits: 5)
4	5270	9	1	333	1	5444.0, 5646.0, 5619.0, 5557.0, 5457.0, 5717.0, 5555.0, 5415.0, 5618.0, 5722.0, 5314.0, 5269.0, 5719.0, 5507.0, 5604.0, 5436.0, 5410.0, 5349.0, 5332.0, 5499.0, 5492.0, 5617.0, 5343.0, 5351.0, 5321.0, 5489.0, 5260.0, 5576.0, 5342.0, 5464.0, 5711.0, 5253.0, 5571.0, 5472.0, 5473.0, 5692.0, 5306.0, 5485.0, 5589.0, 5405.0, 5297.0, 5666.0, 5431.0, 5264.0, 5317.0, 5700.0, 5686.0, 5698.0, 5484.0, 5353.0, 5494.0, 5376.0, 5430.0, 5659.0, 5309.0, 5671.0, 5373.0, 5281.0, 5596.0, 5608.0, 5280.0, 5607.0, 5621.0, 5500.0, 5585.0, 5273.0, 5272.0, 5491.0, 5275.0, 5270.0, 5552.0, 5651.0, 5563.0, 5684.0, 5656.0, 5487.0, 5493.0, 5635.0, 5379.0, 5440.0, 5598.0, 5463.0, 5285.0, 5545.0, 5634.0, 5681.0, 5541.0, 5480.0, 5562.0, 5513.0, 5721.0, 5551.0, 5685.0, 5520.0, 5331.0, 5579.0, 5638.0, 5516.0, 5471.0, 5340.0 (number of hits: 5)
5	5270	9	1	333	1	5514.0, 5358.0, 5598.0, 5431.0, 5435.0, 5515.0, 5547.0, 5386.0, 5565.0, 5384.0, 5430.0, 5367.0, 5401.0, 5575.0, 5321.0, 5381.0, 5513.0, 5327.0, 5300.0, 5693.0, 5508.0, 5427.0, 5351.0, 5579.0, 5590.0, 5333.0, 5297.0, 5528.0, 5397.0, 5512.0, 5673.0, 5713.0, 5540.0, 5390.0, 5354.0, 5610.0, 5605.0, 5580.0, 5582.0, 5616.0, 5486.0, 5441.0, 5316.0, 5691.0, 5347.0, 5385.0, 5481.0, 5290.0, 5429.0, 5250.0, 5633.0, 5702.0, 5662.0, 5487.0, 5394.0, 5281.0, 5324.0, 5520.0, 5554.0, 5574.0, 5364.0, 5259.0, 5647.0, 5617.0, 5319.0, 5719.0, 5609.0, 5426.0, 5603.0, 5506.0, 5619.0, 5443.0, 5517.0, 5263.0, 5253.0, 5340.0, 5546.0, 5534.0, 5256.0, 5600.0, 5408.0, 5428.0, 5413.0, 5531.0, 5454.0, 5676.0, 5537.0, 5516.0, 5371.0, 5396.0, 5698.0, 5571.0, 5350.0, 5714.0, 5449.0, 5315.0, 5301.0, 5309.0, 5678.0, 5596.0 (number of hits: 5)
6	5270	9	1	333	1	5698.0, 5529.0, 5635.0, 5592.0, 5670.0, 5541.0, 5443.0, 5414.0, 5656.0, 5639.0, 5500.0, 5280.0, 5386.0, 5543.0, 5612.0, 5614.0, 5463.0, 5271.0, 5397.0, 5625.0, 5509.0, 5348.0, 5390.0, 5366.0, 5288.0, 5695.0, 5716.0, 5628.0, 5546.0, 5580.0, 5409.0, 5442.0, 5351.0, 5664.0, 5329.0,

						5262.0, 5368.0, 5721.0, 5703.0, 5642.0, 5282.0, 5376.0, 5432.0, 5439.0, 5533.0, 5636.0, 5447.0, 5646.0, 5306.0, 5594.0, 5585.0, 5645.0, 5722.0, 5514.0, 5503.0, 5561.0, 5309.0, 5648.0, 5320.0, 5445.0, 5619.0, 5392.0, 5395.0, 5252.0, 5482.0, 5289.0, 5300.0, 5552.0, 5607.0, 5629.0, 5340.0, 5380.0, 5518.0, 5655.0, 5508.0, 5379.0, 5272.0, 5481.0, 5423.0, 5396.0, 5327.0, 5297.0, 5476.0, 5428.0, 5307.0, 5717.0, 5254.0, 5431.0, 5352.0, 5459.0, 5599.0, 5586.0, 5525.0, 5311.0, 5557.0, 5458.0, 5665.0, 5436.0, 5640.0, 5454.0 (number of hits: 8)
7	5270	9	1	333	1	5630.0, 5505.0, 5411.0, 5477.0, 5671.0, 5469.0, 5453.0, 5472.0, 5708.0, 5628.0, 5336.0, 5615.0, 5609.0, 5393.0, 5256.0, 5377.0, 5678.0, 5500.0, 5315.0, 5416.0, 5387.0, 5470.0, 5498.0, 5406.0, 5568.0, 5299.0, 5536.0, 5449.0, 5446.0, 5278.0, 5701.0, 5632.0, 5366.0, 5447.0, 5264.0, 5549.0, 5284.0, 5518.0, 5488.0, 5679.0, 5386.0, 5383.0, 5684.0, 5586.0, 5252.0, 5510.0, 5281.0, 5720.0, 5425.0, 5718.0, 5636.0, 5673.0, 5384.0, 5519.0, 5613.0, 5502.0, 5556.0, 5271.0, 5569.0, 5554.0, 5385.0, 5662.0, 5345.0, 5539.0, 5429.0, 5696.0, 5251.0, 5705.0, 5382.0, 5481.0, 5647.0, 5637.0, 5259.0, 5275.0, 5672.0, 5415.0, 5255.0, 5475.0, 5605.0, 5298.0, 5480.0, 5462.0, 5401.0, 5405.0, 5450.0, 5343.0, 5585.0, 5487.0, 5656.0, 5648.0, 5312.0, 5448.0, 5253.0, 5651.0, 5410.0, 5359.0, 5545.0, 5534.0, 5486.0, 5597.0 (number of hits: 3)
8	5270	9	1	333	1	5364.0, 5531.0, 5693.0, 5338.0, 5432.0, 5523.0, 5340.0, 5549.0, 5539.0, 5614.0, 5529.0, 5352.0, 5281.0, 5591.0, 5496.0, 5351.0, 5553.0, 5346.0, 5253.0, 5322.0, 5514.0, 5675.0, 5379.0, 5662.0, 5586.0, 5367.0, 5461.0, 5487.0, 5497.0, 5252.0, 5345.0, 5556.0, 5439.0, 5560.0, 5572.0, 5589.0, 5672.0, 5294.0, 5571.0, 5637.0, 5605.0, 5613.0, 5388.0, 5600.0, 5504.0, 5382.0, 5404.0, 5546.0, 5709.0, 5533.0, 5554.0, 5462.0, 5438.0, 5405.0, 5687.0, 5373.0, 5617.0, 5636.0, 5431.0, 5394.0, 5680.0, 5689.0, 5652.0, 5569.0, 5566.0, 5307.0, 5519.0, 5400.0, 5326.0, 5293.0, 5629.0, 5713.0, 5602.0, 5402.0, 5620.0, 5526.0, 5688.0, 5375.0, 5575.0, 5501.0, 5562.0, 5436.0, 5376.0, 5719.0, 5535.0, 5611.0, 5407.0, 5707.0, 5635.0, 5314.0, 5534.0, 5477.0, 5716.0, 5475.0, 5424.0, 5316.0, 5453.0, 5381.0, 5543.0, 5505.0 (number of hits: 4)
9	5270	9	1	333	1	5397.0, 5481.0, 5450.0, 5620.0, 5337.0, 5271.0, 5291.0, 5691.0, 5468.0, 5441.0, 5670.0, 5320.0, 5343.0, 5615.0, 5676.0,

						5622.0, 5624.0, 5398.0, 5274.0, 5579.0, 5485.0, 5688.0, 5316.0, 5442.0, 5511.0, 5631.0, 5358.0, 5277.0, 5533.0, 5328.0, 5508.0, 5509.0, 5717.0, 5493.0, 5267.0, 5513.0, 5285.0, 5353.0, 5549.0, 5679.0, 5487.0, 5528.0, 5306.0, 5315.0, 5363.0, 5400.0, 5685.0, 5689.0, 5543.0, 5451.0, 5318.0, 5610.0, 5484.0, 5349.0, 5287.0, 5698.0, 5722.0, 5424.0, 5303.0, 5449.0, 5503.0, 5311.0, 5649.0, 5434.0, 5448.0, 5643.0, 5408.0, 5699.0, 5592.0, 5293.0, 5346.0, 5575.0, 5650.0, 5523.0, 5359.0, 5668.0, 5674.0, 5586.0, 5305.0, 5720.0, 5418.0, 5532.0, 5383.0, 5538.0, 5692.0, 5379.0, 5518.0, 5716.0, 5454.0, 5560.0, 5273.0, 5251.0, 5527.0, 5410.0, 5334.0, 5606.0, 5281.0, 5640.0, 5558.0, 5708.0 (number of hits: 8)
10	5270	9	1	333	1	5557.0, 5261.0, 5466.0, 5611.0, 5301.0, 5522.0, 5480.0, 5446.0, 5503.0, 5350.0, 5512.0, 5641.0, 5680.0, 5497.0, 5330.0, 5405.0, 5510.0, 5496.0, 5595.0, 5531.0, 5618.0, 5433.0, 5654.0, 5356.0, 5431.0, 5254.0, 5608.0, 5498.0, 5516.0, 5435.0, 5251.0, 5362.0, 5286.0, 5530.0, 5695.0, 5302.0, 5291.0, 5298.0, 5367.0, 5430.0, 5628.0, 5283.0, 5532.0, 5416.0, 5275.0, 5331.0, 5357.0, 5313.0, 5260.0, 5492.0, 5556.0, 5622.0, 5545.0, 5711.0, 5376.0, 5707.0, 5488.0, 5688.0, 5471.0, 5258.0, 5640.0, 5679.0, 5721.0, 5693.0, 5439.0, 5375.0, 5644.0, 5317.0, 5713.0, 5454.0, 5352.0, 5719.0, 5274.0, 5452.0, 5363.0, 5517.0, 5426.0, 5470.0, 5573.0, 5694.0, 5461.0, 5406.0, 5607.0, 5604.0, 5353.0, 5596.0, 5649.0, 5250.0, 5552.0, 5632.0, 5704.0, 5554.0, 5322.0, 5710.0, 5633.0, 5419.0, 5558.0, 5526.0, 5668.0, 5332.0 (number of hits: 6)
11	5270	9	1	333	1	5289.0, 5391.0, 5303.0, 5311.0, 5548.0, 5420.0, 5644.0, 5615.0, 5546.0, 5304.0, 5702.0, 5357.0, 5440.0, 5297.0, 5423.0, 5296.0, 5700.0, 5410.0, 5292.0, 5374.0, 5558.0, 5605.0, 5656.0, 5449.0, 5714.0, 5704.0, 5699.0, 5379.0, 5583.0, 5635.0, 5369.0, 5553.0, 5461.0, 5268.0, 5277.0, 5257.0, 5599.0, 5552.0, 5602.0, 5590.0, 5660.0, 5300.0, 5273.0, 5689.0, 5662.0, 5581.0, 5438.0, 5328.0, 5597.0, 5575.0, 5450.0, 5513.0, 5524.0, 5603.0, 5388.0, 5418.0, 5573.0, 5465.0, 5415.0, 5266.0, 5372.0, 5607.0, 5283.0, 5358.0, 5715.0, 5321.0, 5643.0, 5651.0, 5491.0, 5401.0, 5376.0, 5640.0, 5675.0, 5532.0, 5507.0, 5433.0, 5324.0, 5343.0, 5503.0, 5481.0, 5460.0, 5570.0, 5492.0, 5305.0, 5707.0, 5437.0, 5490.0, 5359.0, 5470.0, 5538.0, 5618.0, 5626.0, 5705.0, 5390.0, 5452.0, 5574.0, 5281.0, 5598.0, 5399.0, 5383.0

						(number of hits: 9)
12	5270	9	1	333	1	5519.0, 5536.0, 5409.0, 5546.0, 5383.0, 5362.0, 5253.0, 5410.0, 5530.0, 5716.0, 5495.0, 5569.0, 5338.0, 5661.0, 5562.0, 5427.0, 5333.0, 5554.0, 5317.0, 5321.0, 5551.0, 5600.0, 5709.0, 5424.0, 5529.0, 5390.0, 5524.0, 5581.0, 5688.0, 5429.0, 5349.0, 5308.0, 5472.0, 5620.0, 5636.0, 5627.0, 5584.0, 5347.0, 5401.0, 5425.0, 5325.0, 5507.0, 5602.0, 5548.0, 5572.0, 5329.0, 5293.0, 5576.0, 5673.0, 5404.0, 5526.0, 5283.0, 5638.0, 5395.0, 5351.0, 5328.0, 5286.0, 5539.0, 5341.0, 5626.0, 5675.0, 5608.0, 5571.0, 5392.0, 5367.0, 5582.0, 5327.0, 5640.0, 5595.0, 5376.0, 5606.0, 5510.0, 5363.0, 5435.0, 5634.0, 5714.0, 5699.0, 5711.0, 5312.0, 5436.0, 5679.0, 5386.0, 5657.0, 5583.0, 5506.0, 5448.0, 5309.0, 5577.0, 5346.0, 5257.0, 5471.0, 5512.0, 5374.0, 5594.0, 5603.0, 5721.0, 5525.0, 5654.0, 5406.0, 5397.0 (number of hits: 5)
13	5270	9	1	333	1	5509.0, 5449.0, 5268.0, 5715.0, 5562.0, 5575.0, 5651.0, 5515.0, 5473.0, 5557.0, 5496.0, 5551.0, 5516.0, 5600.0, 5643.0, 5282.0, 5650.0, 5637.0, 5416.0, 5556.0, 5584.0, 5627.0, 5653.0, 5439.0, 5262.0, 5375.0, 5500.0, 5539.0, 5427.0, 5655.0, 5324.0, 5639.0, 5413.0, 5590.0, 5280.0, 5601.0, 5454.0, 5377.0, 5486.0, 5438.0, 5640.0, 5425.0, 5546.0, 5250.0, 5719.0, 5629.0, 5451.0, 5429.0, 5649.0, 5253.0, 5412.0, 5384.0, 5704.0, 5355.0, 5325.0, 5397.0, 5301.0, 5290.0, 5447.0, 5633.0, 5609.0, 5313.0, 5560.0, 5536.0, 5456.0, 5403.0, 5502.0, 5378.0, 5252.0, 5621.0, 5598.0, 5714.0, 5335.0, 5341.0, 5634.0, 5475.0, 5680.0, 5464.0, 5445.0, 5675.0, 5625.0, 5615.0, 5370.0, 5491.0, 5329.0, 5505.0, 5443.0, 5530.0, 5481.0, 5345.0, 5344.0, 5316.0, 5441.0, 5278.0, 5284.0, 5350.0, 5351.0, 5676.0, 5554.0, 5446.0 (number of hits: 3)
14	5270	9	1	333	1	5454.0, 5700.0, 5476.0, 5480.0, 5685.0, 5332.0, 5338.0, 5520.0, 5405.0, 5524.0, 5724.0, 5627.0, 5667.0, 5613.0, 5381.0, 5683.0, 5406.0, 5451.0, 5637.0, 5318.0, 5320.0, 5610.0, 5489.0, 5644.0, 5410.0, 5472.0, 5543.0, 5433.0, 5414.0, 5699.0, 5404.0, 5720.0, 5607.0, 5400.0, 5589.0, 5534.0, 5319.0, 5709.0, 5421.0, 5544.0, 5397.0, 5614.0, 5429.0, 5425.0, 5568.0, 5470.0, 5645.0, 5595.0, 5434.0, 5356.0, 5402.0, 5323.0, 5620.0, 5309.0, 5299.0, 5670.0, 5711.0, 5581.0, 5603.0, 5576.0, 5680.0, 5618.0, 5411.0, 5626.0, 5722.0, 5337.0, 5549.0, 5491.0, 5671.0, 5641.0, 5455.0, 5676.0, 5575.0, 5567.0, 5346.0, 5526.0, 5565.0, 5651.0, 5606.0, 5387.0,

						5622.0, 5594.0, 5570.0, 5449.0, 5325.0, 5587.0, 5453.0, 5426.0, 5695.0, 5580.0, 5258.0, 5408.0, 5303.0, 5629.0, 5477.0, 5317.0, 5502.0, 5313.0, 5294.0, 5584.0 (number of hits: 5)
15	5270	9	1	333	1	5627.0, 5555.0, 5262.0, 5580.0, 5712.0, 5448.0, 5354.0, 5485.0, 5353.0, 5328.0, 5509.0, 5443.0, 5512.0, 5704.0, 5563.0, 5598.0, 5301.0, 5718.0, 5665.0, 5421.0, 5459.0, 5615.0, 5685.0, 5634.0, 5558.0, 5567.0, 5379.0, 5607.0, 5560.0, 5317.0, 5612.0, 5337.0, 5384.0, 5679.0, 5417.0, 5302.0, 5411.0, 5271.0, 5387.0, 5644.0, 5717.0, 5672.0, 5517.0, 5554.0, 5334.0, 5318.0, 5398.0, 5352.0, 5468.0, 5513.0, 5347.0, 5273.0, 5405.0, 5556.0, 5670.0, 5637.0, 5314.0, 5385.0, 5351.0, 5372.0, 5414.0, 5458.0, 5596.0, 5605.0, 5434.0, 5582.0, 5686.0, 5629.0, 5306.0, 5338.0, 5263.0, 5403.0, 5523.0, 5464.0, 5324.0, 5466.0, 5491.0, 5261.0, 5526.0, 5426.0, 5371.0, 5298.0, 5500.0, 5394.0, 5435.0, 5472.0, 5251.0, 5297.0, 5489.0, 5642.0, 5310.0, 5681.0, 5537.0, 5603.0, 5349.0, 5543.0, 5284.0, 5343.0, 5565.0, 5601.0 (number of hits: 7)
16	5270	9	1	333	1	5510.0, 5461.0, 5672.0, 5427.0, 5346.0, 5486.0, 5432.0, 5344.0, 5628.0, 5499.0, 5398.0, 5407.0, 5350.0, 5509.0, 5297.0, 5474.0, 5529.0, 5590.0, 5698.0, 5563.0, 5689.0, 5412.0, 5358.0, 5681.0, 5311.0, 5551.0, 5272.0, 5380.0, 5577.0, 5295.0, 5515.0, 5265.0, 5475.0, 5339.0, 5490.0, 5388.0, 5436.0, 5413.0, 5688.0, 5541.0, 5623.0, 5392.0, 5439.0, 5660.0, 5442.0, 5620.0, 5469.0, 5379.0, 5446.0, 5319.0, 5459.0, 5597.0, 5624.0, 5621.0, 5463.0, 5697.0, 5387.0, 5273.0, 5342.0, 5262.0, 5485.0, 5291.0, 5595.0, 5671.0, 5673.0, 5258.0, 5437.0, 5299.0, 5601.0, 5546.0, 5377.0, 5357.0, 5276.0, 5424.0, 5341.0, 5657.0, 5588.0, 5583.0, 5334.0, 5300.0, 5552.0, 5609.0, 5528.0, 5543.0, 5707.0, 5343.0, 5544.0, 5614.0, 5445.0, 5554.0, 5539.0, 5545.0, 5650.0, 5340.0, 5702.0, 5402.0, 5373.0, 5637.0, 5308.0, 5260.0 (number of hits: 7)
17	5270	9	1	333	1	5517.0, 5681.0, 5607.0, 5713.0, 5596.0, 5356.0, 5708.0, 5614.0, 5253.0, 5307.0, 5456.0, 5469.0, 5257.0, 5363.0, 5678.0, 5519.0, 5368.0, 5275.0, 5349.0, 5455.0, 5521.0, 5299.0, 5476.0, 5595.0, 5339.0, 5338.0, 5499.0, 5414.0, 5485.0, 5692.0, 5662.0, 5705.0, 5460.0, 5492.0, 5531.0, 5259.0, 5302.0, 5680.0, 5357.0, 5601.0, 5254.0, 5318.0, 5347.0, 5370.0, 5472.0, 5451.0, 5276.0, 5549.0, 5694.0, 5635.0, 5255.0, 5628.0, 5701.0, 5286.0, 5380.0, 5269.0, 5264.0, 5395.0, 5529.0, 5375.0,

						5468.0, 5435.0, 5378.0, 5670.0, 5379.0, 5271.0, 5434.0, 5344.0, 5621.0, 5319.0, 5442.0, 5483.0, 5311.0, 5369.0, 5647.0, 5675.0, 5304.0, 5437.0, 5503.0, 5584.0, 5484.0, 5345.0, 5332.0, 5639.0, 5477.0, 5419.0, 5300.0, 5458.0, 5574.0, 5532.0, 5295.0, 5619.0, 5397.0, 5618.0, 5475.0, 5572.0, 5407.0, 5394.0, 5409.0, 5573.0 (number of hits: 8)
18	5270	9	1	333	1	5660.0, 5643.0, 5550.0, 5337.0, 5611.0, 5436.0, 5288.0, 5476.0, 5368.0, 5394.0, 5559.0, 5331.0, 5345.0, 5679.0, 5449.0, 5665.0, 5541.0, 5466.0, 5309.0, 5637.0, 5463.0, 5353.0, 5280.0, 5260.0, 5505.0, 5713.0, 5645.0, 5687.0, 5296.0, 5648.0, 5604.0, 5540.0, 5433.0, 5655.0, 5610.0, 5253.0, 5301.0, 5522.0, 5284.0, 5307.0, 5462.0, 5565.0, 5673.0, 5723.0, 5270.0, 5519.0, 5450.0, 5434.0, 5500.0, 5551.0, 5460.0, 5671.0, 5567.0, 5572.0, 5682.0, 5484.0, 5702.0, 5259.0, 5554.0, 5672.0, 5255.0, 5558.0, 5490.0, 5635.0, 5317.0, 5627.0, 5455.0, 5285.0, 5320.0, 5395.0, 5250.0, 5262.0, 5440.0, 5696.0, 5632.0, 5570.0, 5518.0, 5633.0, 5474.0, 5282.0, 5366.0, 5424.0, 5319.0, 5560.0, 5396.0, 5510.0, 5364.0, 5485.0, 5359.0, 5441.0, 5515.0, 5712.0, 5520.0, 5464.0, 5544.0, 5636.0, 5251.0, 5722.0, 5641.0, 5599.0 (number of hits: 6)
19	5270	9	1	333	1	5558.0, 5659.0, 5590.0, 5254.0, 5650.0, 5534.0, 5412.0, 5441.0, 5299.0, 5649.0, 5431.0, 5621.0, 5444.0, 5487.0, 5288.0, 5581.0, 5433.0, 5327.0, 5699.0, 5657.0, 5269.0, 5384.0, 5464.0, 5676.0, 5615.0, 5635.0, 5432.0, 5492.0, 5625.0, 5642.0, 5630.0, 5305.0, 5382.0, 5544.0, 5595.0, 5547.0, 5644.0, 5326.0, 5698.0, 5559.0, 5502.0, 5414.0, 5582.0, 5691.0, 5310.0, 5255.0, 5652.0, 5373.0, 5410.0, 5489.0, 5499.0, 5371.0, 5483.0, 5260.0, 5388.0, 5677.0, 5720.0, 5251.0, 5387.0, 5682.0, 5569.0, 5409.0, 5443.0, 5498.0, 5417.0, 5685.0, 5627.0, 5376.0, 5688.0, 5690.0, 5591.0, 5683.0, 5440.0, 5476.0, 5655.0, 5460.0, 5571.0, 5510.0, 5574.0, 5654.0, 5420.0, 5667.0, 5425.0, 5643.0, 5501.0, 5525.0, 5274.0, 5579.0, 5469.0, 5576.0, 5537.0, 5261.0, 5259.0, 5500.0, 5294.0, 5701.0, 5663.0, 5467.0, 5317.0, 5604.0 (number of hits: 5)
20	5270	9	1	333	1	5279.0, 5309.0, 5358.0, 5666.0, 5430.0, 5336.0, 5523.0, 5256.0, 5574.0, 5635.0, 5710.0, 5658.0, 5697.0, 5319.0, 5303.0, 5452.0, 5270.0, 5541.0, 5585.0, 5295.0, 5407.0, 5668.0, 5296.0, 5264.0, 5586.0, 5699.0, 5267.0, 5515.0, 5619.0, 5484.0, 5544.0, 5519.0, 5271.0, 5400.0, 5348.0, 5701.0, 5509.0, 5376.0, 5488.0, 5555.0,

						5382.0, 5284.0, 5494.0, 5263.0, 5497.0, 5327.0, 5582.0, 5621.0, 5517.0, 5613.0, 5689.0, 5350.0, 5313.0, 5290.0, 5425.0, 5549.0, 5598.0, 5437.0, 5665.0, 5646.0, 5605.0, 5581.0, 5312.0, 5682.0, 5439.0, 5463.0, 5475.0, 5663.0, 5516.0, 5261.0, 5578.0, 5454.0, 5459.0, 5590.0, 5252.0, 5441.0, 5260.0, 5546.0, 5326.0, 5640.0, 5409.0, 5277.0, 5366.0, 5331.0, 5500.0, 5575.0, 5468.0, 5653.0, 5552.0, 5487.0, 5370.0, 5651.0, 5527.0, 5628.0, 5476.0, 5508.0, 5681.0, 5363.0, 5381.0, 5688.0 (number of hits: 7)
21	5270	9	1	333	1	5438.0, 5393.0, 5286.0, 5270.0, 5593.0, 5396.0, 5277.0, 5468.0, 5448.0, 5566.0, 5349.0, 5355.0, 5715.0, 5492.0, 5632.0, 5450.0, 5519.0, 5383.0, 5627.0, 5575.0, 5586.0, 5616.0, 5263.0, 5419.0, 5276.0, 5342.0, 5288.0, 5583.0, 5341.0, 5453.0, 5336.0, 5694.0, 5312.0, 5683.0, 5671.0, 5544.0, 5316.0, 5602.0, 5348.0, 5626.0, 5287.0, 5459.0, 5297.0, 5709.0, 5470.0, 5484.0, 5623.0, 5476.0, 5664.0, 5457.0, 5436.0, 5563.0, 5410.0, 5330.0, 5351.0, 5429.0, 5489.0, 5483.0, 5614.0, 5553.0, 5666.0, 5523.0, 5447.0, 5667.0, 5374.0, 5445.0, 5516.0, 5568.0, 5460.0, 5505.0, 5309.0, 5372.0, 5352.0, 5501.0, 5682.0, 5439.0, 5388.0, 5511.0, 5356.0, 5562.0, 5417.0, 5473.0, 5580.0, 5515.0, 5574.0, 5390.0, 5340.0, 5289.0, 5430.0, 5655.0, 5283.0, 5582.0, 5321.0, 5679.0, 5274.0, 5549.0, 5663.0, 5711.0, 5269.0, 5565.0 (number of hits: 7)
22	5270	9	1	333	1	5474.0, 5604.0, 5591.0, 5713.0, 5265.0, 5570.0, 5374.0, 5593.0, 5621.0, 5464.0, 5513.0, 5677.0, 5723.0, 5436.0, 5302.0, 5615.0, 5453.0, 5602.0, 5492.0, 5438.0, 5316.0, 5632.0, 5432.0, 5426.0, 5406.0, 5535.0, 5505.0, 5717.0, 5711.0, 5649.0, 5253.0, 5655.0, 5684.0, 5662.0, 5391.0, 5573.0, 5388.0, 5338.0, 5690.0, 5482.0, 5600.0, 5538.0, 5392.0, 5509.0, 5262.0, 5479.0, 5497.0, 5387.0, 5558.0, 5672.0, 5525.0, 5486.0, 5645.0, 5605.0, 5291.0, 5323.0, 5512.0, 5637.0, 5544.0, 5325.0, 5631.0, 5658.0, 5580.0, 5411.0, 5574.0, 5510.0, 5607.0, 5659.0, 5465.0, 5427.0, 5401.0, 5517.0, 5556.0, 5532.0, 5566.0, 5579.0, 5644.0, 5515.0, 5362.0, 5435.0, 5695.0, 5553.0, 5665.0, 5303.0, 5389.0, 5439.0, 5648.0, 5629.0, 5494.0, 5610.0, 5673.0, 5587.0, 5630.0, 5321.0, 5561.0, 5577.0, 5315.0, 5466.0, 5563.0, 5274.0 (number of hits: 3)
23	5270	9	1	333	1	5666.0, 5264.0, 5435.0, 5454.0, 5657.0, 5618.0, 5337.0, 5691.0, 5275.0, 5399.0, 5273.0, 5437.0, 5481.0, 5546.0, 5689.0, 5556.0, 5646.0, 5665.0, 5412.0, 5382.0,

						5589.0, 5593.0, 5586.0, 5321.0, 5447.0, 5471.0, 5645.0, 5292.0, 5663.0, 5301.0, 5654.0, 5636.0, 5430.0, 5323.0, 5261.0, 5505.0, 5569.0, 5478.0, 5407.0, 5714.0, 5577.0, 5543.0, 5296.0, 5644.0, 5715.0, 5512.0, 5456.0, 5286.0, 5420.0, 5480.0, 5469.0, 5699.0, 5484.0, 5265.0, 5573.0, 5501.0, 5559.0, 5499.0, 5520.0, 5554.0, 5260.0, 5639.0, 5485.0, 5581.0, 5287.0, 5685.0, 5329.0, 5493.0, 5327.0, 5371.0, 5444.0, 5605.0, 5494.0, 5722.0, 5545.0, 5518.0, 5455.0, 5705.0, 5604.0, 5692.0, 5367.0, 5451.0, 5712.0, 5426.0, 5458.0, 5325.0, 5466.0, 5389.0, 5682.0, 5439.0, 5421.0, 5289.0, 5379.0, 5533.0, 5521.0, 5255.0, 5291.0, 5266.0, 5708.0, 5548.0 (number of hits: 7)
24	5270	9	1	333	1	5455.0, 5582.0, 5427.0, 5586.0, 5508.0, 5501.0, 5437.0, 5640.0, 5543.0, 5464.0, 5649.0, 5601.0, 5407.0, 5348.0, 5457.0, 5712.0, 5723.0, 5647.0, 5263.0, 5313.0, 5449.0, 5685.0, 5364.0, 5382.0, 5379.0, 5384.0, 5642.0, 5710.0, 5521.0, 5443.0, 5546.0, 5386.0, 5657.0, 5575.0, 5581.0, 5311.0, 5298.0, 5409.0, 5435.0, 5593.0, 5315.0, 5389.0, 5595.0, 5264.0, 5704.0, 5460.0, 5390.0, 5724.0, 5280.0, 5419.0, 5542.0, 5395.0, 5505.0, 5622.0, 5485.0, 5319.0, 5698.0, 5616.0, 5597.0, 5421.0, 5474.0, 5334.0, 5529.0, 5265.0, 5459.0, 5451.0, 5693.0, 5387.0, 5662.0, 5324.0, 5256.0, 5370.0, 5293.0, 5476.0, 5559.0, 5450.0, 5342.0, 5301.0, 5720.0, 5668.0, 5614.0, 5498.0, 5377.0, 5624.0, 5320.0, 5690.0, 5697.0, 5448.0, 5702.0, 5306.0, 5651.0, 5314.0, 5357.0, 5426.0, 5299.0, 5677.0, 5560.0, 5307.0, 5416.0, 5515.0 (number of hits: 9)
25	5270	9	1	333	1	5589.0, 5279.0, 5643.0, 5587.0, 5690.0, 5391.0, 5399.0, 5650.0, 5635.0, 5674.0, 5582.0, 5502.0, 5641.0, 5340.0, 5535.0, 5460.0, 5654.0, 5443.0, 5721.0, 5603.0, 5510.0, 5452.0, 5663.0, 5697.0, 5458.0, 5469.0, 5489.0, 5562.0, 5600.0, 5451.0, 5597.0, 5719.0, 5319.0, 5481.0, 5664.0, 5613.0, 5594.0, 5708.0, 5672.0, 5679.0, 5724.0, 5503.0, 5270.0, 5501.0, 5692.0, 5251.0, 5551.0, 5405.0, 5404.0, 5386.0, 5356.0, 5655.0, 5447.0, 5691.0, 5421.0, 5398.0, 5685.0, 5577.0, 5671.0, 5511.0, 5318.0, 5273.0, 5490.0, 5701.0, 5462.0, 5389.0, 5506.0, 5265.0, 5480.0, 5316.0, 5610.0, 5706.0, 5377.0, 5519.0, 5401.0, 5544.0, 5509.0, 5425.0, 5368.0, 5694.0, 5649.0, 5314.0, 5636.0, 5709.0, 5472.0, 5486.0, 5456.0, 5434.0, 5430.0, 5261.0, 5311.0, 5259.0, 5707.0, 5497.0, 5678.0, 5675.0, 5623.0, 5682.0, 5638.0, 5413.0 (number of hits: 2)

26	5270	9	1	333	1	5438.0, 5559.0, 5673.0, 5431.0, 5603.0, 5279.0, 5267.0, 5506.0, 5474.0, 5581.0, 5502.0, 5466.0, 5626.0, 5546.0, 5263.0, 5252.0, 5672.0, 5515.0, 5369.0, 5664.0, 5283.0, 5291.0, 5378.0, 5461.0, 5683.0, 5364.0, 5331.0, 5508.0, 5572.0, 5256.0, 5701.0, 5379.0, 5316.0, 5566.0, 5689.0, 5304.0, 5342.0, 5374.0, 5250.0, 5613.0, 5598.0, 5281.0, 5665.0, 5622.0, 5449.0, 5270.0, 5575.0, 5567.0, 5691.0, 5684.0, 5409.0, 5323.0, 5462.0, 5299.0, 5313.0, 5642.0, 5606.0, 5658.0, 5424.0, 5425.0, 5271.0, 5410.0, 5327.0, 5383.0, 5549.0, 5387.0, 5537.0, 5542.0, 5588.0, 5399.0, 5671.0, 5265.0, 5447.0, 5363.0, 5408.0, 5315.0, 5493.0, 5576.0, 5562.0, 5471.0, 5398.0, 5420.0, 5667.0, 5430.0, 5570.0, 5272.0, 5654.0, 5260.0, 5357.0, 5655.0, 5476.0, 5587.0, 5445.0, 5609.0, 5340.0, 5370.0, 5528.0, 5614.0, 5435.0, 5610.0 (number of hits: 4)
27	5270	9	1	333	1	5628.0, 5475.0, 5673.0, 5555.0, 5441.0, 5632.0, 5550.0, 5254.0, 5517.0, 5656.0, 5329.0, 5473.0, 5306.0, 5440.0, 5677.0, 5718.0, 5661.0, 5571.0, 5357.0, 5481.0, 5503.0, 5285.0, 5378.0, 5379.0, 5269.0, 5720.0, 5681.0, 5474.0, 5706.0, 5259.0, 5422.0, 5433.0, 5460.0, 5458.0, 5574.0, 5377.0, 5400.0, 5617.0, 5352.0, 5344.0, 5660.0, 5472.0, 5338.0, 5546.0, 5694.0, 5393.0, 5495.0, 5691.0, 5625.0, 5253.0, 5678.0, 5675.0, 5576.0, 5256.0, 5623.0, 5328.0, 5359.0, 5558.0, 5717.0, 5297.0, 5382.0, 5465.0, 5569.0, 5486.0, 5642.0, 5575.0, 5265.0, 5604.0, 5686.0, 5489.0, 5702.0, 5453.0, 5304.0, 5450.0, 5466.0, 5602.0, 5292.0, 5279.0, 5655.0, 5426.0, 5425.0, 5461.0, 5488.0, 5337.0, 5551.0, 5267.0, 5613.0, 5585.0, 5510.0, 5487.0, 5618.0, 5260.0, 5334.0, 5548.0, 5624.0, 5321.0, 5459.0, 5454.0, 5278.0, 5599.0 (number of hits: 5)
28	5270	9	1	333	1	5329.0, 5523.0, 5630.0, 5535.0, 5437.0, 5588.0, 5418.0, 5379.0, 5413.0, 5322.0, 5701.0, 5716.0, 5463.0, 5717.0, 5546.0, 5424.0, 5661.0, 5559.0, 5371.0, 5530.0, 5567.0, 5279.0, 5250.0, 5666.0, 5462.0, 5542.0, 5591.0, 5309.0, 5475.0, 5307.0, 5621.0, 5597.0, 5480.0, 5653.0, 5384.0, 5457.0, 5410.0, 5327.0, 5711.0, 5563.0, 5529.0, 5330.0, 5539.0, 5306.0, 5723.0, 5360.0, 5414.0, 5390.0, 5612.0, 5499.0, 5487.0, 5644.0, 5589.0, 5619.0, 5651.0, 5411.0, 5345.0, 5287.0, 5690.0, 5373.0, 5641.0, 5272.0, 5531.0, 5558.0, 5714.0, 5484.0, 5415.0, 5520.0, 5500.0, 5416.0, 5469.0, 5586.0, 5337.0, 5383.0, 5434.0, 5703.0, 5628.0, 5455.0, 5276.0, 5503.0, 5448.0, 5378.0, 5341.0, 5668.0, 5470.0,

						5627.0, 5664.0, 5406.0, 5449.0, 5302.0, 5308.0, 5350.0, 5420.0, 5452.0, 5547.0, 5478.0, 5331.0, 5633.0, 5314.0, 5677.0 (number of hits: 7)
29	5270	9	1	333	1	5636.0, 5506.0, 5349.0, 5483.0, 5316.0, 5270.0, 5647.0, 5558.0, 5309.0, 5304.0, 5514.0, 5435.0, 5399.0, 5340.0, 5503.0, 5576.0, 5431.0, 5515.0, 5508.0, 5474.0, 5386.0, 5513.0, 5446.0, 5675.0, 5406.0, 5371.0, 5430.0, 5593.0, 5642.0, 5303.0, 5549.0, 5631.0, 5426.0, 5434.0, 5619.0, 5577.0, 5623.0, 5438.0, 5546.0, 5468.0, 5277.0, 5710.0, 5457.0, 5366.0, 5597.0, 5418.0, 5701.0, 5592.0, 5425.0, 5293.0, 5280.0, 5298.0, 5264.0, 5253.0, 5523.0, 5538.0, 5704.0, 5520.0, 5492.0, 5579.0, 5275.0, 5496.0, 5707.0, 5718.0, 5618.0, 5651.0, 5652.0, 5626.0, 5532.0, 5443.0, 5491.0, 5573.0, 5392.0, 5578.0, 5258.0, 5279.0, 5407.0, 5393.0, 5288.0, 5662.0, 5540.0, 5449.0, 5596.0, 5330.0, 5256.0, 5361.0, 5391.0, 5287.0, 5525.0, 5611.0, 5536.0, 5582.0, 5439.0, 5358.0, 5395.0, 5711.0, 5521.0, 5561.0, 5554.0, 5423.0 (number of hits: 7)
30	5270	9	1	333	1	5722.0, 5712.0, 5405.0, 5386.0, 5622.0, 5506.0, 5288.0, 5380.0, 5671.0, 5387.0, 5469.0, 5571.0, 5663.0, 5691.0, 5370.0, 5598.0, 5325.0, 5250.0, 5395.0, 5656.0, 5699.0, 5460.0, 5360.0, 5495.0, 5337.0, 5696.0, 5277.0, 5331.0, 5540.0, 5685.0, 5354.0, 5708.0, 5515.0, 5491.0, 5592.0, 5689.0, 5664.0, 5259.0, 5710.0, 5398.0, 5709.0, 5513.0, 5335.0, 5431.0, 5394.0, 5522.0, 5342.0, 5407.0, 5299.0, 5481.0, 5572.0, 5501.0, 5326.0, 5440.0, 5636.0, 5544.0, 5437.0, 5511.0, 5534.0, 5611.0, 5402.0, 5278.0, 5584.0, 5479.0, 5358.0, 5400.0, 5467.0, 5721.0, 5304.0, 5500.0, 5303.0, 5301.0, 5564.0, 5449.0, 5397.0, 5375.0, 5367.0, 5317.0, 5724.0, 5280.0, 5675.0, 5543.0, 5305.0, 5383.0, 5714.0, 5496.0, 5545.0, 5336.0, 5680.0, 5312.0, 5565.0, 5344.0, 5720.0, 5381.0, 5254.0, 5632.0, 5583.0, 5377.0, 5652.0, 5606.0 (number of hits: 7)

5550 MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1	30	86.7 %	60%	Pass
Type 2	30	100 %	60%	Pass
Type 3	30	100 %	60%	Pass
Type 4	30	100 %	60%	Pass
Aggregate (Type1 to 4)	120	96.675 %	80%	Pass
Type 5	30	100 %	80%	Pass
Type 6	30	100 %	70%	Pass

Please refer to the following statistical tables:

Table-1 Radar Type 1 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)
1	5550	18	1	1428	1
2	5550	18	1	1428	1
3	5550	18	1	1428	1
4	5550	18	1	1428	1
5	5550	18	1	1428	0
6	5550	18	1	1428	1
7	5550	18	1	1428	1
8	5550	18	1	1428	0
9	5550	18	1	1428	1
10	5550	18	1	1428	1
11	5550	18	1	1428	1
12	5550	18	1	1428	0
13	5550	18	1	1428	1
14	5550	18	1	1428	1
15	5550	18	1	1428	0
16	5550	18	1	1428	1
17	5550	18	1	1428	1
18	5550	18	1	1428	1
19	5550	18	1	1428	1
20	5550	18	1	1428	1
21	5550	18	1	1428	1
22	5550	18	1	1428	1
23	5550	18	1	1428	1
24	5550	18	1	1428	1
25	5550	18	1	1428	1
26	5550	18	1	1428	1
27	5550	18	1	1428	1
28	5550	18	1	1428	1
29	5550	18	1	1428	1
30	5550	18	1	1428	1
Detection Percentage: 86.7 % (>60%)					

Table-2 Radar Type 2 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	24	1.6	207	1
2	5550	27	3.4	163	1
3	5550	24	3.1	215	1
4	5550	28	3.4	226	1
5	5550	28	3.6	164	1
6	5550	26	3.8	185	1
7	5550	27	4.7	228	1
8	5550	24	3.1	197	1
9	5550	24	3.8	199	1
10	5550	26	4.8	197	1
11	5550	27	3	227	1
12	5550	25	2.4	203	1
13	5550	24	3.8	223	1
14	5550	27	3.2	184	1
15	5550	28	3.7	197	1
16	5550	25	2.7	175	1
17	5550	24	1.4	221	1
18	5550	24	3.1	160	1
19	5550	24	1.1	191	1
20	5550	23	3	197	1
21	5550	26	4.3	186	1
22	5550	25	3.2	150	1
23	5550	26	4.5	227	1
24	5550	26	3.1	171	1
25	5550	25	4.4	186	1
26	5550	29	4.8	189	1
27	5550	28	2	160	1
28	5550	26	4.6	158	1
29	5550	23	3.8	215	1
30	5550	29	4	162	1
Detection Percentage: 100% (>60%)					

Table-3 Radar Type 3 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	16	6.7	478	1
2	5550	16	7.6	267	1
3	5550	18	9.3	470	1
4	5550	16	9.4	298	1
5	5550	17	9.6	446	1
6	5550	16	9.3	456	1
7	5550	17	7.4	360	1
8	5550	16	6.2	318	1
9	5550	16	6.5	497	1
10	5550	16	8.4	389	1
11	5550	16	7.4	435	1
12	5550	18	7.3	432	1
13	5550	18	8.1	251	1
14	5550	17	9.4	472	1
15	5550	16	8.7	496	1
16	5550	18	8	304	1
17	5550	17	7.8	218	1
18	5550	17	7.1	409	1
19	5550	17	7.5	276	1
20	5550	18	9.5	311	1
21	5550	18	9.2	297	1
22	5550	16	6.1	252	1
23	5550	18	8	275	1
24	5550	16	8.5	269	1
25	5550	16	8.2	441	1
26	5550	16	8.5	298	1
27	5550	16	9.2	452	1
28	5550	16	9.9	277	1
29	5550	18	6.3	411	1
30	5550	18	9.7	429	1
Detection Percentage: 100 % (>60%)					

Table-4 Radar Type 4 Statistical Performance

Trial #	Fc (MHz)	Pulse/Burst	Pulse Width (μS)	PRI (μs)	Detection (1:yes; 0:no)
1	5550	13	12.7	264	1
2	5550	14	18.9	202	1
3	5550	12	11.3	204	1
4	5550	13	14.8	202	1
5	5550	13	18.2	239	1
6	5550	14	11.7	334	1
7	5550	12	19.6	359	1
8	5550	12	14.3	335	1
9	5550	15	11.6	395	1
10	5550	13	15.6	267	1
11	5550	15	17	454	1
12	5550	12	19.4	284	1
13	5550	15	16.7	364	1
14	5550	13	15.6	387	1
15	5550	15	12.5	302	1
16	5550	14	18.3	351	1
17	5550	14	11.6	435	1
18	5550	12	17.2	203	1
19	5550	15	17.2	414	1
20	5550	16	17	214	1
21	5550	15	15.2	287	1
22	5550	15	12.5	463	1
23	5550	12	18.8	245	1
24	5550	14	11.7	483	1
25	5550	14	13.8	375	1
26	5550	12	11.8	368	1
27	5550	16	14.2	354	1
28	5550	14	13.2	252	1
29	5550	13	17.8	259	1
30	5550	14	12.1	464	1
Detection Percentage: 100 % (>60%)					

Table-5 Radar Type 5 Statistical Performance

Bin5 Statistics 1

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	12	67.1	1187	1763	0.438757	
1	3	12	51.4	1161	1048	1.067458	
2	2	14	81.9	1824		1.67284	
3	2	16	67.7	1284		2.431845	
4	3	8	96.8	1208	1124	2.81879	
5	2	18	56.3	1000		3.770946	
6	2	11	59.3	1888		3.918133	
7	2	14	60.6	1004		4.953183	
8	2	17	59.5	1777		5.09926	
9	3	18	69.5	1977	1668	6.156525	1
10	1	8	63.2			6.489013	
11	3	13	62.8	1940	1667	7.35159	
12	3	16	66.3	1652	1119	7.877354	
13	2	15	54.9	1404		8.422938	
14	3	9	76.1	1513	1630	9.118511	
15	2	7	87.5	1535		9.626671	
16	2	11	64	1149		10.265477	
17	3	15	70.6	1104	1019	11.307657	
18	3	10	61.6	1985	1464	11.805992	

Bin5 Statistics 2

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	17	87.9	1624	1087	0.481789	
1	3	20	93.9	1003	1680	1.615449	
2	1	9	65.2			3.053663	
3	3	8	94.9	1571	1399	3.917526	
4	2	9	83.6	1697		4.822612	
5	2	14	94.3	1357		6.174248	1
6	2	9	57.4	1485		7.978577	
7	2	14	87.4	1035		9.511515	
8	2	19	82.1	1364		10.726569	
9	2	10	58.7	1607		11.163627	

Bin5 Statistics 3

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	69.9	1622		0.883167	
1	3	8	92.4	1600	1723	1.649327	
2	3	19	85	1845	1967	2.214764	
3	3	10	64.3	1896	1348	3.553473	
4	1	12	97.8			3.887353	
5	2	6	95.7	1825		4.878038	
6	1	20	66.4			5.680177	1
7	2	16	55.7	1239		6.892285	
8	2	6	62.2	1498		7.6755	
9	2	13	82.4	1040		8.530767	
10	3	18	62.9	1759	1695	9.556463	
11	3	13	92.1	1155	1455	10.998248	
12	2	17	76	1695		11.807303	

Bin5 Statistics 4

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	81.6	1960		0.041753	
1	3	16	74.3	1237	1568	1.462257	
2	2	18	55.7	1468		2.724248	
3	2	14	59.4	1483		4.173927	
4	1	19	94.7			5.390295	
5	2	16	86	1498		5.587009	1
6	3	13	78.3	1594	1628	6.638748	
7	1	19	53.2			8.663458	
8	2	12	83.4	1727		8.815346	
9	2	9	73.1	1545		9.969343	
10	3	16	83.3	1046	1255	11.906204	

Bin5 Statistics 5

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	14	73.2	1122	1112	0.492344	1
1	3	13	69	1759	1649	1.152725	
2	2	11	83.3	1722		1.702779	
3	2	20	70	1807		2.173963	
4	2	9	84.1	1895		2.684812	
5	1	16	99.1			3.467156	
6	1	6	89.2			4.024862	
7	2	10	50	1534		5.258472	
8	1	11	56.5			5.668315	
9	3	13	86.1	1436	1184	6.583979	
10	2	15	51.7	1307		6.716841	
11	1	14	58.7			7.781633	
12	1	6	85.8			8.230955	
13	1	15	87.1			8.927675	
14	2	10	56.9	1057		9.518011	
15	2	14	96.9	1467		10.310665	
16	2	6	98.6	1230		10.688443	
17	1	12	69.8			11.510605	

Bin5 Statistics 6

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	64.3	1510		1.119737	1
1	2	12	94.1	1683		2.22229	
2	1	19	52.7			3.753435	
3	2	10	57.2	1822		4.763092	
4	1	12	87.6			7.114133	
5	2	8	95.6	1995		8.714163	
6	3	11	81.1	1792	1967	10.468253	
7	2	6	76.6	1168		11.540812	

Bin5 Statistics 7

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	92.4	1348	1797	1.302664	
1	2	15	50.4	1012		1.644914	
2	2	10	53	1689		2.669988	
3	2	7	69.7	1718		4.040972	
4	2	20	53.4	1901		5.810402	1
5	3	18	50.5	1112	1300	7.803418	
6	2	8	92.9	1682		8.169011	
7	2	14	84.5	1403		10.489234	
8	2	6	98.6	1881		11.352834	

Bin5 Statistics 8

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	19	85.4	1089	1462	0.262785	
1	3	20	89.5	1587	1511	1.243573	
2	2	14	82.6	1043		2.464078	
3	2	11	87.1	1208		3.524594	
4	2	11	66.6	1130		4.010074	
5	2	14	76	1348		5.164555	
6	3	14	62	1168	1071	5.893198	1
7	1	12	77			7.348193	
8	2	20	87.2	1927		7.881422	
9	2	9	51.6	1957		8.86104	
10	2	20	75.5	1275		9.907405	
11	2	19	70.6	1361		11.064273	
12	1	8	97.4			11.672319	

Bin5 Statistics 9

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	67.1	1937		0.323161	
1	2	12	60.1	1536		0.895818	
2	2	14	60.3	1280		2.229497	
3	3	17	91.5	1232	1343	2.821615	
4	2	6	82.5	1732		3.669806	
5	2	17	84.6	1016		3.877048	
6	3	9	99.6	1645	1963	5.014576	
7	3	7	56.7	1683	1194	5.836561	
8	2	14	59.5	1605		6.303869	1
9	2	13	58.3	1933		7.002288	
10	2	13	85.5	1431		7.799709	
11	3	10	59.7	1890	1780	8.255077	
12	2	8	67.9	1158		9.333971	
13	2	10	69.2	1892		9.89159	
14	1	11	72.6			10.736112	
15	2	8	50.1	1968		11.536222	

Bin5 Statistics 10

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	8	78.8	1567	1805	0.605352	
1	3	18	82.4	1556	1203	0.947186	
2	3	10	93.4	1322	1533	2.304724	
3	1	17	95.4			3.015252	
4	2	10	60.3	1259		4.362284	
5	1	10	63.6			4.649675	
6	3	17	70.6	1608	1768	5.994924	1
7	1	14	86			6.930627	
8	2	5	68.8	1243		8.211874	
9	2	16	60.7	1712		8.508542	
10	2	8	61.5	1155		9.398338	
11	1	11	78.8			10.9486	
12	2	6	61.9	1436		11.464208	

Bin5 Statistics 11

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	91.9	1353	1694	0.318936	
1	3	5	50.5	1118	1684	2.162752	
2	2	13	58.1	1241		2.724348	
3	1	9	87.1			4.163718	
4	2	6	88	1196		5.373472	
5	3	15	68.3	1462	1455	5.817611	1
6	3	7	97.1	1137	1290	6.939729	
7	2	11	59.5	1537		8.207135	
8	2	14	80	1191		9.796446	
9	3	16	97.7	1862	1179	10.212274	
10	3	17	67.9	1399	1953	11.451478	

Bin5 Statistics 12

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	85.8	1889		0.168703	
1	2	14	64.6	1123		1.698384	
2	1	19	84.6			2.997822	
3	2	19	90.9	1286		5.014218	
4	3	11	90.8	1149	1820	6.297301	1
5	2	12	83.3	1165		7.535567	
6	2	13	92.4	1507		8.833978	
7	1	12	74.3			9.986342	
8	2	7	68.5	1973		11.482418	

Bin5 Statistics 13

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	18	79.2			0.040458	1
1	2	14	58.1	1239		1.307522	
2	1	10	90.6			1.542917	
3	1	10	76.1			2.720642	
4	2	6	78.5	1533		3.630717	
5	1	7	78.4			4.039365	
6	2	19	72	1870		5.039321	
7	1	10	56			5.675059	
8	1	13	91.7			6.689463	
9	2	8	69.8	1288		7.365049	
10	3	9	71	1757	1672	8.038912	
11	2	8	77.9	1650		8.428754	
12	1	7	99.9			9.524071	
13	2	14	54.8	1824		10.469307	
14	1	5	57			10.527624	
15	3	12	88.4	1392	1628	11.966933	

Bin5 Statistics 14

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	70.3	1189		0.283393	1
1	2	17	94	1953		0.738188	
2	3	8	53.9	1059	1736	1.539955	
3	2	12	59.5	1580		2.785542	
4	2	7	60.2	1048		3.065631	
5	1	15	52.6			3.830532	
6	3	14	79.7	1190	1370	4.510696	
7	2	8	89.3	1090		5.627211	
8	3	10	93	1420	1474	5.787973	
9	2	8	65.9	1620		6.562664	
10	1	20	53.3			7.215362	
11	2	15	95.3	1449		7.876098	
12	2	6	76.9	1118		8.564399	
13	2	14	98.2	1269		9.20247	
14	3	10	73.6	1393	1428	10.023585	
15	2	19	79.6	1678		10.858681	
16	2	18	90	1443		11.537676	

Bin5 Statistics 15

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	18	60.8	1783	1076	0.524687	
1	1	6	63.3			1.134289	
2	3	9	88	1581	1321	1.868061	
3	2	18	92.9	1393		2.150095	
4	1	13	62.2			3.515985	
5	2	12	92.5	1829		3.570179	
6	2	6	61.8	1653		4.853151	
7	3	15	51	1919	1018	5.596971	
8	2	7	72	1189		5.739146	1
9	1	20	75			6.566973	
10	2	14	80.7	1435		7.191574	
11	1	9	56.4			8.406734	
12	3	8	95.8	1091	1743	8.649339	
13	2	17	59.1	1323		9.344593	
14	3	13	58	1578	1415	10.036576	
15	2	7	70	1989		10.809648	
16	3	9	65.4	1457	1163	11.357954	

Bin5 Statistics 16

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	88.4	1748		0.560434	
1	2	7	90.2	1469		1.500234	
2	3	16	84.9	1431	1737	3.679104	
3	1	20	64.1			4.297445	
4	2	16	62.4	1721		6.543484	1
5	2	7	80.5	1733		6.905257	
6	2	5	92.1	1761		8.990109	
7	2	11	97.8	1351		10.653727	
8	3	13	53.4	1271	1617	11.693588	

Bin5 Statistics 17

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	6	97.9	1148		0.099992	
1	2	17	54.7	1701		1.322845	
2	2	6	70.1	1282		1.468354	
3	1	12	62.2			2.378792	
4	3	16	82.1	1949	1608	3.143918	
5	3	20	89.2	1575	1126	3.569123	
6	2	19	65.7	1863		4.428273	
7	3	7	98.1	1296	1024	4.982942	
8	2	10	55.7	1499		5.508423	1
9	2	7	99.1	1932		6.264615	
10	2	9	99.6	1431		7.284982	
11	2	6	74.7	1785		7.534731	
12	3	18	89.1	1968	1589	8.033913	
13	2	8	68.4	1947		8.87711	
14	2	13	51	1756		9.622713	
15	1	14	71.7			10.335896	
16	2	16	85.7	1784		11.257157	
17	3	20	88	1000	1645	11.973123	

Bin5 Statistics 18

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	65.7	1891		0.402299	
1	2	8	94.8	1124		0.907105	
2	2	15	56.5	1566		1.674456	
3	2	10	66.8	1006		2.088957	
4	1	5	78.1			2.716504	
5	2	14	84.3	1288		3.452374	
6	1	16	92.2			4.00752	
7	3	13	55.4	1541	1690	5.172185	
8	2	9	84.7	1129		5.941396	1
9	1	19	80.3			6.539949	
10	2	20	67.8	1944		7.144424	
11	3	19	84.6	1611	1505	7.782601	
12	2	17	95.3	1796		8.365773	
13	2	7	85.4	1022		9.171073	
14	1	18	91.6			9.955774	
15	2	6	62.6	1542		10.280725	
16	2	18	63.3	1730		10.934247	
17	2	10	61.1	1271		11.719476	

Bin5 Statistics 19

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	70.1	1089		0.185425	
1	3	6	69.7	1244	1672	0.775282	
2	3	15	76.4	1864	1990	1.715898	
3	2	19	85.5	1271		2.196189	
4	3	16	52.6	1239	1256	2.882356	
5	2	17	64.8	1084		3.789209	
6	1	19	64			4.357738	
7	2	11	53.7	1720		5.523979	
8	3	6	78.7	1818	1226	6.132199	1
9	3	13	94.2	1288	1914	6.51657	
10	1	6	84			7.472385	
11	2	20	96.7	1418		8.296762	
12	2	6	73.5	1864		9.065513	
13	1	12	78.5			9.64842	
14	2	9	53.7	1665		10.354042	
15	2	8	77.1	1504		10.749049	
16	1	13	59.4			11.780116	

Bin5 Statistics 20

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	19	81.8	1114		0.089552	
1	1	17	95.2			1.347044	
2	2	13	59.7	1696		1.880876	
3	1	12	88.8			3.081705	
4	3	9	51.7	1956	1882	3.208973	
5	2	15	74.1	1528		4.391921	
6	2	12	78.3	1395		4.889009	
7	2	18	64.2	1950		5.620034	1
8	3	14	87	1439	1209	6.992217	
9	2	19	64.5	1124		7.297595	
10	1	10	70.1			8.096079	
11	3	15	75.4	1051	1179	8.802356	
12	1	12	62.9			10.383858	
13	2	18	66.9	1590		11.039711	
14	3	19	83.4	1710	1069	11.423122	

Bin5 Statistics 21

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	87.3	1796		0.393413	
1	2	18	60.7	1449		1.089353	
2	1	5	89.1			1.525839	
3	1	11	66.5			2.368739	
4	3	6	64.1	1784	1987	2.865445	
5	1	19	84			3.443416	
6	1	16	85.2			4.280932	
7	3	16	70.9	1941	1726	4.818476	
8	2	5	72.6	1651		5.483773	1
9	2	12	89.6	1964		6.070116	
10	3	16	64.8	1616	1654	6.768071	
11	2	6	90.9	1451		7.744871	
12	3	20	66.5	1960	1108	8.429914	
13	2	20	66.8	1328		8.988572	
14	3	9	64.5	1759	1659	9.414231	
15	3	13	66.6	1429	1971	10.65897	
16	1	13	97.9			10.703778	
17	2	9	90.8	1422		11.97077	

Bin5 Statistics 22

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	8	85.7	1787		0.037193	
1	2	10	85.7	1672		1.555504	
2	3	9	95.3	1279	1635	2.370525	
3	1	6	64.1			4.085574	
4	2	12	90.2	1947		4.864486	
5	3	15	70.5	1505	1709	6.427566	1
6	3	19	54.8	1021	1779	7.325358	
7	3	9	70.4	1437	1985	8.463295	
8	2	6	92	1141		9.546044	
9	2	6	82.5	1848		9.849116	
10	2	18	80.6	1460		11.122653	

Bin5 Statistics 23

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	15	71.6	1779		0.180728	
1	2	10	90.1	1602		1.367874	
2	2	14	97.2	1903		2.415182	
3	3	15	55.9	1700	1291	3.338624	
4	3	13	61.6	1225	1726	4.561656	
5	2	10	64.4	1466		5.330582	
6	1	10	59.9			6.399932	1
7	2	8	78.1	1518		7.729374	
8	3	15	53.4	1308	1221	8.045384	
9	3	15	80.4	1245	1453	9.853436	
10	2	17	53.9	1343		10.119193	
11	2	12	75.5	1952		11.339468	

Bin5 Statistics 24

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	10	78.6	1875		0.290546	
1	2	16	91	1648		1.625563	
2	1	10	64.8			3.365301	
3	1	7	72			4.86819	
4	1	10	68.1			6.386264	1
5	2	7	69.6	1610		7.925835	
6	2	16	68.7	1141		8.234586	
7	2	6	59.3	1753		10.659121	
8	3	9	75.9	1755	1966	11.006552	

Bin5 Statistics 25

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	9	55.7			0.824657	1
1	3	15	82.4	1924	1862	1.370272	
2	3	18	85.3	1376	1224	2.758941	
3	3	5	50.7	1476	1323	3.616252	
4	3	20	68	1906	1903	4.178962	
5	2	9	79.6	1478		4.623699	
6	2	6	66.6	1781		6.046933	
7	3	19	64	1542	1268	6.835398	
8	1	15	55.3			7.698525	
9	1	20	75.4			8.476787	
10	1	19	86.3			9.869094	
11	3	20	59.9	1633	1016	10.26621	
12	2	16	51.5	1711		11.2047	

Bin5 Statistics 26

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	13	64	1310	1499	1.431605	1
1	2	6	71.7	1828		1.671599	
2	2	19	88.4	1330		3.712836	
3	2	7	62.8	1563		4.880218	
4	2	8	65.6	1657		7.246726	
5	2	16	93.3	1149		7.943571	
6	1	13	77.4			10.011268	
7	2	8	97	1843		10.790122	

Bin5 Statistics 27

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	6	55			0.299903	
1	3	16	95.1	1872	1181	2.106281	
2	2	19	75.3	1091		3.091042	
3	2	15	60.1	1227		5.050197	
4	1	15	71			6.01049	1
5	3	12	69	1786	1299	7.346533	
6	1	8	75.1			9.139473	
7	2	17	59.6	1106		9.721725	
8	2	10	95.2	1970		11.413889	

Bin5 Statistics 28

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	3	9	94.2	1533	1079	0.420076	
1	2	14	99.1	1522		1.114125	
2	3	7	84.8	1298	1325	2.416899	
3	2	8	84.6	1950		2.736798	
4	2	11	86.1	1382		4.003598	
5	1	13	56.6			4.615311	
6	2	13	50.4	1213		5.889065	1
7	3	20	92.3	1620	1710	6.207359	
8	2	10	73.3	1624		7.505786	
9	1	10	53.3			8.364714	
10	2	18	74.9	1317		9.29402	
11	3	12	95.8	1178	1263	10.247975	
12	2	12	81.6	1968		10.887638	
13	1	5	54			11.446998	

Bin5 Statistics 29

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	2	17	92.4	1551		0.296421	1
1	2	12	72.3	1048		1.384964	
2	1	12	91.7			2.751305	
3	1	8	58.3			3.454082	
4	2	13	95.1	1552		5.196965	
5	3	16	100	1741	1613	5.804765	
6	2	11	64.6	1360		7.189323	
7	3	16	57.1	1357	1414	8.091451	
8	2	14	93.8	1429		9.599742	
9	1	5	95.8			10.60869	
10	3	18	68.6	1810	1089	11.696516	

Bin5 Statistics 30

Trial #	Pulse	Chirp (MHz)	Pulse Width (µS)	Pulse 1-2 spacing (uS)	Pulse 2-3 spacing (uS)	Pulse Start(S)	Detection (1:yes; 0:no)
0	1	8	70.7			0.927111	1
1	1	7	62.9			1.272921	
2	3	5	97	1865	1047	2.28223	
3	3	9	51.8	1805	1018	3.329126	
4	2	12	86.1	1267		4.158882	
5	2	14	83.3	1452		5.61948	
6	2	13	60.5	1876		6.823475	
7	1	15	71.9			7.291117	
8	3	16	57.4	1050	1828	8.84246	
9	2	6	73.4	1784		9.492434	
10	2	8	66.7	1681		10.846224	
11	2	19	60.1	1412		11.852891	

Table-6 Radar Type 6 Statistical Performance

Trial #	Fc (MHz)	Pulse /Burst	Pulse Width (µS)	PRI (µs)	Detection (1:yes; 0:no)	Hopping Sequence
1	5550	9	1	333	1	5495.0, 5456.0, 5602.0, 5631.0, 5362.0, 5476.0, 5450.0, 5666.0, 5531.0, 5421.0, 5558.0, 5553.0, 5577.0, 5453.0, 5325.0, 5353.0, 5452.0, 5669.0, 5525.0, 5426.0, 5665.0, 5612.0, 5640.0, 5539.0, 5499.0, 5287.0, 5369.0, 5639.0, 5595.0, 5376.0, 5372.0, 5470.0, 5694.0, 5593.0, 5549.0, 5559.0, 5672.0, 5479.0, 5647.0, 5608.0, 5374.0, 5519.0, 5706.0, 5546.0, 5586.0, 5677.0, 5409.0, 5371.0, 5276.0, 5501.0, 5700.0, 5490.0, 5333.0, 5283.0, 5337.0, 5622.0, 5389.0, 5354.0, 5530.0, 5363.0, 5398.0, 5511.0, 5629.0, 5382.0, 5494.0, 5685.0, 5642.0, 5551.0, 5601.0, 5616.0, 5466.0, 5322.0, 5478.0, 5472.0, 5254.0, 5266.0, 5298.0, 5654.0, 5587.0, 5517.0, 5437.0, 5673.0, 5425.0, 5699.0, 5708.0, 5537.0, 5339.0, 5383.0, 5628.0, 5439.0, 5458.0, 5330.0, 5416.0, 5671.0, 5627.0, 5678.0, 5650.0, 5575.0, 5598.0, 5589.0 (number of hits: 2)
2	5550	9	1	333	1	5661.0, 5373.0, 5385.0, 5254.0, 5598.0, 5596.0, 5700.0, 5546.0, 5289.0, 5333.0, 5706.0, 5566.0, 5388.0, 5444.0, 5310.0, 5631.0, 5411.0, 5429.0, 5528.0, 5580.0, 5401.0, 5299.0, 5379.0, 5537.0, 5591.0, 5346.0, 5448.0, 5533.0, 5457.0, 5372.0, 5599.0, 5342.0, 5587.0, 5593.0, 5330.0, 5514.0, 5646.0, 5313.0, 5692.0, 5707.0, 5497.0, 5633.0, 5350.0, 5359.0, 5392.0, 5666.0, 5352.0, 5476.0, 5594.0, 5489.0, 5431.0, 5266.0, 5322.0, 5324.0, 5660.0, 5286.0, 5627.0, 5603.0, 5467.0, 5400.0, 5540.0, 5326.0, 5278.0, 5378.0, 5436.0, 5643.0, 5648.0, 5365.0, 5578.0, 5319.0, 5680.0, 5628.0, 5590.0, 5479.0, 5301.0, 5450.0, 5341.0, 5515.0, 5415.0, 5281.0, 5482.0, 5477.0, 5282.0, 5432.0, 5597.0, 5511.0, 5581.0, 5311.0, 5608.0, 5607.0, 5462.0, 5473.0, 5544.0, 5327.0, 5426.0, 5434.0, 5671.0, 5616.0, 5541.0, 5288.0 (number of hits: 8)
3	5550	9	1	333	1	5308.0, 5310.0, 5454.0, 5614.0, 5703.0, 5390.0, 5276.0, 5651.0, 5708.0, 5327.0, 5264.0, 5493.0, 5551.0, 5380.0, 5366.0, 5397.0, 5566.0, 5667.0, 5650.0, 5360.0, 5266.0, 5436.0, 5277.0, 5710.0, 5581.0, 5528.0, 5628.0, 5333.0, 5591.0, 5722.0, 5619.0, 5647.0, 5424.0, 5303.0, 5425.0, 5654.0, 5325.0, 5331.0, 5275.0, 5431.0, 5543.0, 5635.0, 5437.0, 5401.0, 5378.0, 5488.0, 5287.0, 5539.0, 5434.0, 5288.0, 5625.0, 5694.0, 5421.0, 5357.0, 5458.0, 5531.0, 5251.0, 5631.0, 5469.0, 5532.0,

						5281.0, 5379.0, 5720.0, 5348.0, 5289.0, 5410.0, 5495.0, 5590.0, 5391.0, 5354.0, 5557.0, 5351.0, 5685.0, 5427.0, 5632.0, 5345.0, 5413.0, 5616.0, 5265.0, 5294.0, 5533.0, 5388.0, 5644.0, 5374.0, 5252.0, 5350.0, 5478.0, 5393.0, 5658.0, 5594.0, 5422.0, 5398.0, 5497.0, 5579.0, 5529.0, 5377.0, 5622.0, 5542.0, 5571.0, 5426.0 (number of hits: 7)
4	5550	9	1	333	1	5606.0, 5367.0, 5252.0, 5448.0, 5546.0, 5379.0, 5296.0, 5613.0, 5648.0, 5392.0, 5378.0, 5537.0, 5412.0, 5256.0, 5586.0, 5723.0, 5258.0, 5721.0, 5268.0, 5714.0, 5703.0, 5455.0, 5722.0, 5377.0, 5589.0, 5592.0, 5385.0, 5643.0, 5557.0, 5506.0, 5571.0, 5690.0, 5617.0, 5371.0, 5294.0, 5665.0, 5556.0, 5409.0, 5255.0, 5511.0, 5623.0, 5487.0, 5382.0, 5707.0, 5291.0, 5555.0, 5477.0, 5533.0, 5337.0, 5290.0, 5609.0, 5666.0, 5314.0, 5351.0, 5468.0, 5469.0, 5680.0, 5637.0, 5452.0, 5625.0, 5696.0, 5444.0, 5640.0, 5500.0, 5335.0, 5568.0, 5510.0, 5488.0, 5502.0, 5501.0, 5393.0, 5578.0, 5536.0, 5396.0, 5610.0, 5457.0, 5540.0, 5442.0, 5410.0, 5495.0, 5538.0, 5545.0, 5551.0, 5463.0, 5584.0, 5259.0, 5608.0, 5564.0, 5475.0, 5504.0, 5466.0, 5260.0, 5485.0, 5276.0, 5404.0, 5414.0, 5420.0, 5326.0, 5693.0, 5460.0 (number of hits: 5)
5	5550	9	1	333	1	5264.0, 5386.0, 5721.0, 5384.0, 5344.0, 5327.0, 5601.0, 5593.0, 5495.0, 5531.0, 5267.0, 5374.0, 5345.0, 5402.0, 5672.0, 5544.0, 5649.0, 5430.0, 5518.0, 5462.0, 5410.0, 5272.0, 5276.0, 5526.0, 5682.0, 5602.0, 5485.0, 5406.0, 5463.0, 5414.0, 5655.0, 5380.0, 5646.0, 5399.0, 5720.0, 5418.0, 5582.0, 5465.0, 5348.0, 5533.0, 5629.0, 5543.0, 5595.0, 5558.0, 5508.0, 5546.0, 5466.0, 5579.0, 5671.0, 5675.0, 5305.0, 5635.0, 5581.0, 5368.0, 5452.0, 5523.0, 5364.0, 5685.0, 5599.0, 5712.0, 5576.0, 5517.0, 5350.0, 5278.0, 5564.0, 5319.0, 5637.0, 5298.0, 5454.0, 5413.0, 5314.0, 5300.0, 5471.0, 5373.0, 5585.0, 5440.0, 5580.0, 5320.0, 5566.0, 5689.0, 5403.0, 5369.0, 5612.0, 5275.0, 5697.0, 5510.0, 5647.0, 5274.0, 5642.0, 5444.0, 5304.0, 5532.0, 5426.0, 5473.0, 5331.0, 5499.0, 5284.0, 5270.0, 5505.0, 5622.0 (number of hits: 5)
6	5550	9	1	333	1	5253.0, 5549.0, 5591.0, 5285.0, 5707.0, 5716.0, 5449.0, 5641.0, 5457.0, 5310.0, 5452.0, 5287.0, 5359.0, 5482.0, 5250.0, 5328.0, 5635.0, 5354.0, 5627.0, 5576.0, 5565.0, 5646.0, 5440.0, 5611.0, 5561.0, 5368.0, 5672.0, 5458.0, 5665.0, 5704.0, 5623.0, 5411.0, 5338.0, 5592.0, 5391.0, 5615.0, 5321.0, 5443.0, 5288.0, 5410.0,

						5350.0, 5630.0, 5649.0, 5518.0, 5589.0, 5587.0, 5413.0, 5251.0, 5323.0, 5370.0, 5502.0, 5439.0, 5408.0, 5654.0, 5674.0, 5669.0, 5551.0, 5383.0, 5676.0, 5429.0, 5262.0, 5393.0, 5505.0, 5717.0, 5363.0, 5507.0, 5275.0, 5520.0, 5263.0, 5337.0, 5311.0, 5412.0, 5721.0, 5414.0, 5276.0, 5523.0, 5485.0, 5675.0, 5584.0, 5258.0, 5360.0, 5395.0, 5608.0, 5308.0, 5618.0, 5459.0, 5552.0, 5334.0, 5462.0, 5559.0, 5543.0, 5316.0, 5715.0, 5489.0, 5319.0, 5480.0, 5289.0, 5506.0, 5347.0, 5254.0 (number of hits: 7)
7	5550	9	1	333	1	5541.0, 5685.0, 5676.0, 5441.0, 5515.0, 5705.0, 5636.0, 5372.0, 5540.0, 5589.0, 5586.0, 5522.0, 5425.0, 5637.0, 5459.0, 5607.0, 5352.0, 5677.0, 5531.0, 5449.0, 5273.0, 5442.0, 5462.0, 5714.0, 5644.0, 5253.0, 5641.0, 5632.0, 5319.0, 5446.0, 5436.0, 5421.0, 5498.0, 5495.0, 5277.0, 5575.0, 5360.0, 5473.0, 5527.0, 5661.0, 5370.0, 5417.0, 5428.0, 5409.0, 5457.0, 5388.0, 5629.0, 5491.0, 5675.0, 5673.0, 5438.0, 5555.0, 5288.0, 5392.0, 5290.0, 5310.0, 5656.0, 5405.0, 5424.0, 5373.0, 5454.0, 5340.0, 5354.0, 5682.0, 5330.0, 5706.0, 5302.0, 5264.0, 5688.0, 5537.0, 5486.0, 5513.0, 5274.0, 5391.0, 5358.0, 5557.0, 5344.0, 5630.0, 5716.0, 5504.0, 5529.0, 5295.0, 5669.0, 5680.0, 5345.0, 5510.0, 5604.0, 5259.0, 5413.0, 5702.0, 5625.0, 5574.0, 5250.0, 5296.0, 5664.0, 5281.0, 5538.0, 5683.0, 5414.0, 5496.0 (number of hits: 6)
8	5550	9	1	333	1	5364.0, 5285.0, 5687.0, 5432.0, 5467.0, 5553.0, 5710.0, 5631.0, 5598.0, 5365.0, 5344.0, 5583.0, 5435.0, 5458.0, 5698.0, 5487.0, 5399.0, 5684.0, 5422.0, 5478.0, 5538.0, 5596.0, 5469.0, 5296.0, 5495.0, 5255.0, 5394.0, 5724.0, 5649.0, 5667.0, 5532.0, 5382.0, 5475.0, 5579.0, 5337.0, 5500.0, 5624.0, 5603.0, 5402.0, 5315.0, 5338.0, 5455.0, 5484.0, 5707.0, 5647.0, 5345.0, 5572.0, 5420.0, 5576.0, 5457.0, 5440.0, 5393.0, 5317.0, 5355.0, 5434.0, 5383.0, 5368.0, 5497.0, 5282.0, 5564.0, 5547.0, 5673.0, 5324.0, 5662.0, 5618.0, 5424.0, 5565.0, 5628.0, 5541.0, 5694.0, 5334.0, 5259.0, 5622.0, 5585.0, 5410.0, 5612.0, 5445.0, 5569.0, 5429.0, 5300.0, 5703.0, 5379.0, 5301.0, 5663.0, 5258.0, 5615.0, 5676.0, 5546.0, 5268.0, 5577.0, 5501.0, 5452.0, 5331.0, 5498.0, 5630.0, 5559.0, 5560.0, 5551.0, 5617.0, 5531.0 (number of hits: 4)
9	5550	9	1	333	1	5477.0, 5273.0, 5594.0, 5478.0, 5677.0, 5301.0, 5656.0, 5632.0, 5551.0, 5340.0, 5489.0, 5663.0, 5451.0, 5564.0, 5689.0, 5688.0, 5482.0, 5501.0, 5661.0, 5629.0,

						5270.0, 5281.0, 5425.0, 5720.0, 5515.0, 5319.0, 5429.0, 5520.0, 5561.0, 5400.0, 5362.0, 5398.0, 5649.0, 5276.0, 5343.0, 5288.0, 5612.0, 5395.0, 5321.0, 5719.0, 5323.0, 5553.0, 5435.0, 5637.0, 5587.0, 5580.0, 5577.0, 5705.0, 5467.0, 5692.0, 5686.0, 5693.0, 5639.0, 5458.0, 5322.0, 5526.0, 5617.0, 5541.0, 5312.0, 5303.0, 5364.0, 5278.0, 5707.0, 5610.0, 5485.0, 5506.0, 5412.0, 5456.0, 5497.0, 5345.0, 5701.0, 5472.0, 5469.0, 5523.0, 5620.0, 5415.0, 5490.0, 5269.0, 5699.0, 5430.0, 5535.0, 5658.0, 5417.0, 5468.0, 5344.0, 5682.0, 5700.0, 5437.0, 5703.0, 5253.0, 5284.0, 5441.0, 5333.0, 5459.0, 5581.0, 5335.0, 5298.0, 5267.0, 5351.0, 5402.0 (number of hits: 5)
10	5550	9	1	333	1	5656.0, 5711.0, 5303.0, 5632.0, 5277.0, 5668.0, 5679.0, 5460.0, 5676.0, 5256.0, 5340.0, 5477.0, 5614.0, 5538.0, 5505.0, 5528.0, 5661.0, 5619.0, 5578.0, 5551.0, 5603.0, 5562.0, 5700.0, 5677.0, 5276.0, 5296.0, 5465.0, 5269.0, 5363.0, 5712.0, 5483.0, 5452.0, 5606.0, 5412.0, 5278.0, 5473.0, 5264.0, 5430.0, 5326.0, 5369.0, 5523.0, 5540.0, 5295.0, 5356.0, 5564.0, 5655.0, 5257.0, 5343.0, 5361.0, 5389.0, 5377.0, 5378.0, 5424.0, 5647.0, 5329.0, 5350.0, 5463.0, 5338.0, 5707.0, 5485.0, 5405.0, 5416.0, 5396.0, 5353.0, 5301.0, 5287.0, 5704.0, 5322.0, 5271.0, 5646.0, 5441.0, 5470.0, 5310.0, 5332.0, 5558.0, 5657.0, 5615.0, 5508.0, 5539.0, 5255.0, 5331.0, 5352.0, 5522.0, 5395.0, 5468.0, 5475.0, 5589.0, 5573.0, 5454.0, 5600.0, 5541.0, 5433.0, 5419.0, 5429.0, 5519.0, 5488.0, 5306.0, 5722.0, 5549.0, 5644.0 (number of hits: 7)
11	5550	9	1	333	1	5577.0, 5386.0, 5531.0, 5419.0, 5360.0, 5416.0, 5398.0, 5718.0, 5529.0, 5637.0, 5496.0, 5616.0, 5620.0, 5353.0, 5590.0, 5256.0, 5682.0, 5639.0, 5470.0, 5292.0, 5705.0, 5466.0, 5438.0, 5612.0, 5434.0, 5632.0, 5721.0, 5715.0, 5293.0, 5494.0, 5551.0, 5653.0, 5690.0, 5316.0, 5659.0, 5482.0, 5392.0, 5281.0, 5318.0, 5597.0, 5661.0, 5343.0, 5651.0, 5548.0, 5711.0, 5520.0, 5680.0, 5589.0, 5692.0, 5696.0, 5489.0, 5264.0, 5362.0, 5366.0, 5539.0, 5473.0, 5265.0, 5552.0, 5444.0, 5714.0, 5465.0, 5452.0, 5704.0, 5389.0, 5517.0, 5561.0, 5626.0, 5431.0, 5604.0, 5512.0, 5558.0, 5613.0, 5660.0, 5569.0, 5289.0, 5331.0, 5480.0, 5518.0, 5461.0, 5528.0, 5585.0, 5560.0, 5361.0, 5358.0, 5436.0, 5677.0, 5491.0, 5555.0, 5275.0, 5312.0, 5536.0, 5435.0, 5484.0, 5672.0, 5642.0, 5313.0, 5513.0, 5387.0, 5699.0, 5374.0 (number of hits: 5)

12	5550	9	1	333	1	5441.0, 5643.0, 5606.0, 5324.0, 5421.0, 5724.0, 5439.0, 5333.0, 5684.0, 5412.0, 5303.0, 5537.0, 5280.0, 5296.0, 5577.0, 5258.0, 5594.0, 5353.0, 5599.0, 5531.0, 5583.0, 5615.0, 5638.0, 5665.0, 5602.0, 5626.0, 5380.0, 5549.0, 5356.0, 5647.0, 5463.0, 5477.0, 5256.0, 5620.0, 5641.0, 5485.0, 5569.0, 5561.0, 5517.0, 5520.0, 5381.0, 5616.0, 5652.0, 5570.0, 5670.0, 5482.0, 5481.0, 5440.0, 5452.0, 5292.0, 5529.0, 5516.0, 5337.0, 5617.0, 5610.0, 5483.0, 5455.0, 5589.0, 5359.0, 5345.0, 5422.0, 5270.0, 5413.0, 5444.0, 5693.0, 5254.0, 5427.0, 5399.0, 5386.0, 5302.0, 5310.0, 5544.0, 5554.0, 5527.0, 5392.0, 5480.0, 5489.0, 5318.0, 5721.0, 5686.0, 5514.0, 5432.0, 5588.0, 5535.0, 5491.0, 5393.0, 5573.0, 5699.0, 5696.0, 5668.0, 5716.0, 5330.0, 5548.0, 5629.0, 5251.0, 5253.0, 5446.0, 5287.0, 5407.0, 5365.0 (number of hits: 6)
13	5550	9	1	333	1	5543.0, 5602.0, 5506.0, 5650.0, 5504.0, 5531.0, 5580.0, 5342.0, 5487.0, 5605.0, 5699.0, 5460.0, 5656.0, 5364.0, 5420.0, 5299.0, 5325.0, 5382.0, 5523.0, 5708.0, 5308.0, 5456.0, 5351.0, 5363.0, 5633.0, 5401.0, 5469.0, 5660.0, 5527.0, 5661.0, 5511.0, 5632.0, 5646.0, 5535.0, 5597.0, 5334.0, 5485.0, 5627.0, 5567.0, 5533.0, 5526.0, 5301.0, 5551.0, 5723.0, 5417.0, 5283.0, 5513.0, 5385.0, 5359.0, 5694.0, 5613.0, 5713.0, 5710.0, 5560.0, 5394.0, 5609.0, 5664.0, 5455.0, 5432.0, 5517.0, 5279.0, 5321.0, 5589.0, 5255.0, 5509.0, 5356.0, 5392.0, 5479.0, 5326.0, 5491.0, 5343.0, 5570.0, 5707.0, 5521.0, 5636.0, 5648.0, 5446.0, 5262.0, 5340.0, 5293.0, 5590.0, 5380.0, 5375.0, 5276.0, 5635.0, 5265.0, 5383.0, 5690.0, 5595.0, 5520.0, 5712.0, 5471.0, 5344.0, 5309.0, 5427.0, 5539.0, 5695.0, 5505.0, 5682.0, 5696.0 (number of hits: 5)
14	5550	9	1	333	1	5310.0, 5617.0, 5723.0, 5680.0, 5660.0, 5439.0, 5703.0, 5404.0, 5623.0, 5344.0, 5356.0, 5350.0, 5334.0, 5599.0, 5682.0, 5376.0, 5270.0, 5669.0, 5639.0, 5653.0, 5636.0, 5297.0, 5251.0, 5391.0, 5511.0, 5643.0, 5529.0, 5602.0, 5422.0, 5522.0, 5560.0, 5500.0, 5610.0, 5559.0, 5615.0, 5679.0, 5402.0, 5284.0, 5339.0, 5613.0, 5683.0, 5677.0, 5258.0, 5275.0, 5581.0, 5626.0, 5663.0, 5611.0, 5594.0, 5293.0, 5317.0, 5644.0, 5478.0, 5707.0, 5513.0, 5381.0, 5432.0, 5281.0, 5343.0, 5494.0, 5289.0, 5442.0, 5278.0, 5627.0, 5431.0, 5706.0, 5255.0, 5389.0, 5538.0, 5492.0, 5523.0, 5650.0, 5407.0, 5421.0, 5301.0, 5363.0, 5483.0, 5387.0, 5447.0, 5409.0, 5656.0, 5512.0, 5702.0, 5541.0, 5673.0,

						5549.0, 5579.0, 5408.0, 5619.0, 5370.0, 5600.0, 5609.0, 5612.0, 5527.0, 5290.0, 5503.0, 5354.0, 5273.0, 5518.0, 5502.0 (number of hits: 6)
15	5550	9	1	333	1	5537.0, 5649.0, 5284.0, 5388.0, 5391.0, 5652.0, 5636.0, 5489.0, 5342.0, 5619.0, 5702.0, 5497.0, 5285.0, 5291.0, 5499.0, 5250.0, 5290.0, 5576.0, 5440.0, 5570.0, 5500.0, 5484.0, 5709.0, 5459.0, 5615.0, 5666.0, 5280.0, 5704.0, 5625.0, 5569.0, 5293.0, 5422.0, 5535.0, 5464.0, 5631.0, 5575.0, 5365.0, 5507.0, 5697.0, 5691.0, 5460.0, 5306.0, 5657.0, 5667.0, 5538.0, 5479.0, 5392.0, 5401.0, 5705.0, 5617.0, 5670.0, 5274.0, 5397.0, 5385.0, 5609.0, 5276.0, 5262.0, 5283.0, 5335.0, 5386.0, 5343.0, 5402.0, 5333.0, 5261.0, 5321.0, 5573.0, 5604.0, 5551.0, 5680.0, 5642.0, 5668.0, 5600.0, 5624.0, 5467.0, 5589.0, 5325.0, 5413.0, 5457.0, 5387.0, 5511.0, 5443.0, 5389.0, 5674.0, 5455.0, 5690.0, 5676.0, 5518.0, 5517.0, 5556.0, 5301.0, 5522.0, 5553.0, 5669.0, 5548.0, 5683.0, 5681.0, 5596.0, 5562.0, 5375.0, 5438.0 (number of hits: 6)
16	5550	9	1	333	1	5627.0, 5606.0, 5613.0, 5253.0, 5542.0, 5389.0, 5293.0, 5383.0, 5599.0, 5528.0, 5486.0, 5439.0, 5316.0, 5572.0, 5618.0, 5345.0, 5537.0, 5288.0, 5342.0, 5710.0, 5372.0, 5265.0, 5462.0, 5375.0, 5639.0, 5415.0, 5601.0, 5297.0, 5388.0, 5635.0, 5423.0, 5306.0, 5650.0, 5298.0, 5712.0, 5261.0, 5482.0, 5291.0, 5691.0, 5262.0, 5328.0, 5333.0, 5422.0, 5391.0, 5331.0, 5282.0, 5573.0, 5661.0, 5296.0, 5437.0, 5273.0, 5362.0, 5682.0, 5453.0, 5593.0, 5461.0, 5376.0, 5467.0, 5472.0, 5430.0, 5559.0, 5465.0, 5385.0, 5690.0, 5393.0, 5589.0, 5697.0, 5595.0, 5567.0, 5473.0, 5719.0, 5278.0, 5539.0, 5585.0, 5252.0, 5406.0, 5276.0, 5546.0, 5703.0, 5380.0, 5579.0, 5369.0, 5384.0, 5665.0, 5363.0, 5349.0, 5414.0, 5493.0, 5575.0, 5318.0, 5657.0, 5471.0, 5652.0, 5323.0, 5420.0, 5616.0, 5311.0, 5340.0, 5516.0, 5317.0 (number of hits: 8)
17	5550	9	1	333	1	5442.0, 5443.0, 5342.0, 5538.0, 5643.0, 5396.0, 5332.0, 5639.0, 5295.0, 5454.0, 5286.0, 5372.0, 5423.0, 5482.0, 5529.0, 5717.0, 5317.0, 5409.0, 5394.0, 5723.0, 5469.0, 5319.0, 5696.0, 5534.0, 5590.0, 5603.0, 5273.0, 5492.0, 5547.0, 5405.0, 5636.0, 5580.0, 5470.0, 5335.0, 5706.0, 5695.0, 5278.0, 5553.0, 5599.0, 5439.0, 5329.0, 5402.0, 5571.0, 5578.0, 5307.0, 5308.0, 5318.0, 5658.0, 5651.0, 5425.0, 5416.0, 5433.0, 5420.0, 5670.0, 5357.0, 5259.0, 5703.0, 5275.0, 5336.0, 5576.0, 5642.0, 5432.0, 5313.0, 5366.0, 5373.0,

						5367.0, 5637.0, 5327.0, 5338.0, 5502.0, 5604.0, 5257.0, 5395.0, 5627.0, 5279.0, 5512.0, 5266.0, 5314.0, 5635.0, 5362.0, 5359.0, 5692.0, 5685.0, 5333.0, 5449.0, 5647.0, 5523.0, 5694.0, 5699.0, 5316.0, 5460.0, 5382.0, 5586.0, 5447.0, 5588.0, 5522.0, 5429.0, 5708.0, 5445.0, 5280.0 (number of hits: 6)
18	5550	9	1	333	1	5412.0, 5542.0, 5609.0, 5446.0, 5466.0, 5406.0, 5666.0, 5680.0, 5538.0, 5375.0, 5679.0, 5358.0, 5518.0, 5353.0, 5452.0, 5706.0, 5711.0, 5502.0, 5608.0, 5719.0, 5519.0, 5277.0, 5487.0, 5709.0, 5467.0, 5713.0, 5568.0, 5579.0, 5665.0, 5553.0, 5418.0, 5362.0, 5394.0, 5314.0, 5496.0, 5525.0, 5450.0, 5571.0, 5345.0, 5640.0, 5493.0, 5354.0, 5621.0, 5259.0, 5339.0, 5702.0, 5515.0, 5319.0, 5583.0, 5714.0, 5315.0, 5349.0, 5430.0, 5380.0, 5573.0, 5423.0, 5547.0, 5520.0, 5417.0, 5556.0, 5648.0, 5436.0, 5439.0, 5386.0, 5668.0, 5293.0, 5327.0, 5429.0, 5531.0, 5570.0, 5403.0, 5395.0, 5435.0, 5377.0, 5402.0, 5677.0, 5313.0, 5504.0, 5306.0, 5320.0, 5290.0, 5543.0, 5671.0, 5255.0, 5541.0, 5274.0, 5699.0, 5261.0, 5693.0, 5421.0, 5503.0, 5540.0, 5471.0, 5494.0, 5433.0, 5619.0, 5526.0, 5276.0, 5560.0, 5644.0 (number of hits: 5)
19	5550	9	1	333	1	5292.0, 5406.0, 5561.0, 5378.0, 5666.0, 5712.0, 5259.0, 5724.0, 5634.0, 5365.0, 5652.0, 5325.0, 5383.0, 5301.0, 5611.0, 5676.0, 5579.0, 5323.0, 5718.0, 5613.0, 5530.0, 5257.0, 5260.0, 5268.0, 5439.0, 5281.0, 5721.0, 5273.0, 5536.0, 5520.0, 5615.0, 5684.0, 5473.0, 5591.0, 5478.0, 5527.0, 5493.0, 5451.0, 5648.0, 5645.0, 5385.0, 5653.0, 5432.0, 5567.0, 5331.0, 5633.0, 5419.0, 5489.0, 5430.0, 5693.0, 5256.0, 5316.0, 5382.0, 5701.0, 5276.0, 5519.0, 5389.0, 5395.0, 5387.0, 5670.0, 5618.0, 5640.0, 5275.0, 5649.0, 5394.0, 5526.0, 5449.0, 5540.0, 5525.0, 5452.0, 5714.0, 5337.0, 5710.0, 5522.0, 5264.0, 5435.0, 5330.0, 5617.0, 5703.0, 5480.0, 5412.0, 5650.0, 5518.0, 5626.0, 5324.0, 5397.0, 5322.0, 5497.0, 5569.0, 5401.0, 5278.0, 5631.0, 5499.0, 5580.0, 5463.0, 5481.0, 5605.0, 5304.0, 5663.0, 5632.0 (number of hits: 3)
20	5550	9	1	333	1	5511.0, 5394.0, 5627.0, 5708.0, 5693.0, 5405.0, 5353.0, 5306.0, 5649.0, 5375.0, 5442.0, 5583.0, 5595.0, 5545.0, 5575.0, 5379.0, 5499.0, 5662.0, 5453.0, 5650.0, 5628.0, 5716.0, 5424.0, 5559.0, 5417.0, 5501.0, 5274.0, 5406.0, 5386.0, 5313.0, 5419.0, 5684.0, 5333.0, 5438.0, 5355.0, 5518.0, 5418.0, 5264.0, 5309.0, 5476.0, 5321.0, 5380.0, 5557.0, 5639.0, 5714.0,

						5677.0, 5699.0, 5562.0, 5692.0, 5311.0, 5474.0, 5540.0, 5601.0, 5622.0, 5720.0, 5635.0, 5382.0, 5365.0, 5507.0, 5572.0, 5538.0, 5529.0, 5624.0, 5349.0, 5396.0, 5336.0, 5376.0, 5416.0, 5700.0, 5340.0, 5645.0, 5359.0, 5695.0, 5316.0, 5494.0, 5620.0, 5456.0, 5613.0, 5701.0, 5278.0, 5302.0, 5616.0, 5592.0, 5295.0, 5423.0, 5483.0, 5415.0, 5619.0, 5271.0, 5680.0, 5652.0, 5266.0, 5263.0, 5550.0, 5512.0, 5421.0, 5250.0, 5533.0, 5608.0, 5705.0 (number of hits: 6)
21	5550	9	1	333	1	5302.0, 5609.0, 5598.0, 5719.0, 5578.0, 5509.0, 5561.0, 5698.0, 5276.0, 5611.0, 5402.0, 5582.0, 5644.0, 5702.0, 5257.0, 5344.0, 5682.0, 5298.0, 5398.0, 5390.0, 5564.0, 5620.0, 5576.0, 5635.0, 5703.0, 5406.0, 5391.0, 5430.0, 5652.0, 5463.0, 5699.0, 5687.0, 5556.0, 5404.0, 5310.0, 5270.0, 5356.0, 5289.0, 5717.0, 5605.0, 5584.0, 5572.0, 5478.0, 5482.0, 5608.0, 5363.0, 5545.0, 5420.0, 5629.0, 5530.0, 5269.0, 5655.0, 5722.0, 5464.0, 5499.0, 5436.0, 5558.0, 5440.0, 5426.0, 5307.0, 5433.0, 5254.0, 5274.0, 5650.0, 5358.0, 5339.0, 5364.0, 5392.0, 5539.0, 5581.0, 5304.0, 5592.0, 5641.0, 5395.0, 5704.0, 5370.0, 5319.0, 5405.0, 5452.0, 5327.0, 5573.0, 5547.0, 5290.0, 5345.0, 5504.0, 5538.0, 5494.0, 5618.0, 5349.0, 5322.0, 5548.0, 5425.0, 5480.0, 5360.0, 5454.0, 5399.0, 5685.0, 5654.0, 5470.0, 5523.0 (number of hits: 7)
22	5550	9	1	333	1	5405.0, 5635.0, 5589.0, 5325.0, 5580.0, 5715.0, 5614.0, 5663.0, 5475.0, 5569.0, 5561.0, 5388.0, 5413.0, 5415.0, 5539.0, 5582.0, 5477.0, 5268.0, 5556.0, 5445.0, 5359.0, 5427.0, 5506.0, 5395.0, 5699.0, 5441.0, 5282.0, 5688.0, 5592.0, 5601.0, 5276.0, 5630.0, 5327.0, 5654.0, 5545.0, 5270.0, 5606.0, 5648.0, 5331.0, 5540.0, 5292.0, 5656.0, 5523.0, 5692.0, 5633.0, 5644.0, 5597.0, 5585.0, 5499.0, 5571.0, 5684.0, 5521.0, 5658.0, 5559.0, 5674.0, 5515.0, 5450.0, 5372.0, 5304.0, 5337.0, 5675.0, 5278.0, 5642.0, 5318.0, 5259.0, 5707.0, 5272.0, 5298.0, 5711.0, 5586.0, 5527.0, 5460.0, 5560.0, 5459.0, 5367.0, 5447.0, 5700.0, 5319.0, 5251.0, 5402.0, 5456.0, 5379.0, 5610.0, 5647.0, 5432.0, 5655.0, 5392.0, 5613.0, 5258.0, 5437.0, 5598.0, 5624.0, 5652.0, 5341.0, 5519.0, 5686.0, 5458.0, 5653.0, 5588.0, 5694.0 (number of hits: 3)
23	5550	9	1	333	1	5359.0, 5377.0, 5316.0, 5676.0, 5602.0, 5448.0, 5435.0, 5490.0, 5578.0, 5458.0, 5351.0, 5695.0, 5298.0, 5713.0, 5684.0, 5584.0, 5262.0, 5430.0, 5498.0, 5379.0, 5571.0, 5564.0, 5694.0, 5480.0, 5654.0,

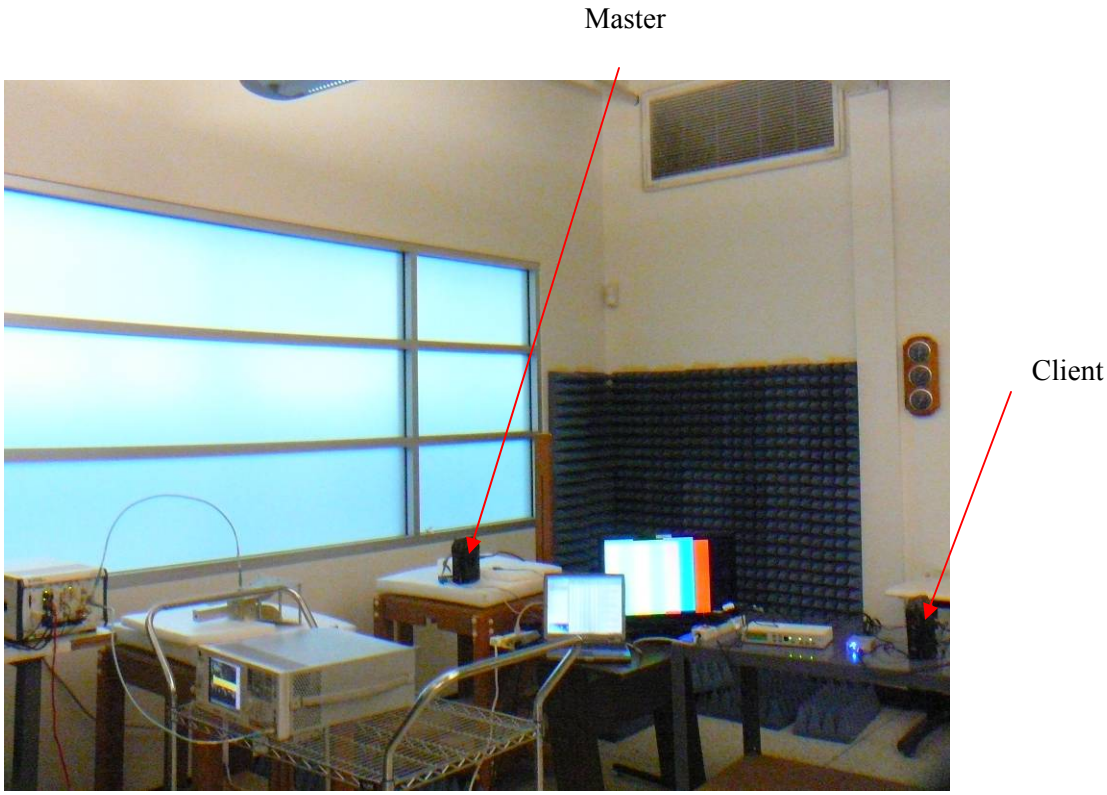
						5657.0, 5661.0, 5334.0, 5404.0, 5398.0, 5369.0, 5628.0, 5326.0, 5496.0, 5466.0, 5318.0, 5444.0, 5417.0, 5569.0, 5327.0, 5274.0, 5481.0, 5302.0, 5270.0, 5319.0, 5337.0, 5440.0, 5308.0, 5477.0, 5390.0, 5479.0, 5312.0, 5345.0, 5403.0, 5531.0, 5428.0, 5402.0, 5473.0, 5501.0, 5552.0, 5708.0, 5349.0, 5674.0, 5324.0, 5455.0, 5463.0, 5719.0, 5344.0, 5544.0, 5300.0, 5691.0, 5525.0, 5622.0, 5510.0, 5639.0, 5583.0, 5579.0, 5557.0, 5451.0, 5596.0, 5413.0, 5296.0, 5527.0, 5664.0, 5722.0, 5575.0, 5636.0, 5429.0, 5509.0, 5651.0, 5721.0, 5517.0, 5301.0, 5371.0, 5702.0, 5253.0, 5421.0, 5365.0, 5720.0, 5670.0 (number of hits: 7)
24	5550	9	1	333	1	5581.0, 5618.0, 5602.0, 5648.0, 5358.0, 5406.0, 5501.0, 5355.0, 5315.0, 5490.0, 5277.0, 5571.0, 5317.0, 5338.0, 5593.0, 5340.0, 5721.0, 5476.0, 5405.0, 5527.0, 5706.0, 5485.0, 5474.0, 5683.0, 5627.0, 5680.0, 5365.0, 5483.0, 5659.0, 5288.0, 5310.0, 5604.0, 5678.0, 5402.0, 5630.0, 5616.0, 5577.0, 5412.0, 5350.0, 5270.0, 5510.0, 5465.0, 5396.0, 5521.0, 5584.0, 5576.0, 5398.0, 5690.0, 5400.0, 5291.0, 5506.0, 5380.0, 5674.0, 5615.0, 5267.0, 5486.0, 5339.0, 5559.0, 5650.0, 5623.0, 5272.0, 5677.0, 5308.0, 5376.0, 5709.0, 5513.0, 5509.0, 5437.0, 5526.0, 5703.0, 5675.0, 5673.0, 5419.0, 5671.0, 5464.0, 5563.0, 5689.0, 5471.0, 5570.0, 5381.0, 5455.0, 5459.0, 5392.0, 5670.0, 5662.0, 5456.0, 5624.0, 5642.0, 5498.0, 5278.0, 5687.0, 5603.0, 5589.0, 5481.0, 5257.0, 5586.0, 5371.0, 5545.0, 5505.0, 5368.0 (number of hits: 4)
25	5550	9	1	333	1	5607.0, 5391.0, 5279.0, 5547.0, 5353.0, 5292.0, 5524.0, 5690.0, 5336.0, 5565.0, 5636.0, 5638.0, 5335.0, 5301.0, 5495.0, 5416.0, 5478.0, 5633.0, 5464.0, 5273.0, 5596.0, 5566.0, 5323.0, 5712.0, 5626.0, 5504.0, 5574.0, 5435.0, 5311.0, 5687.0, 5260.0, 5625.0, 5609.0, 5425.0, 5290.0, 5423.0, 5543.0, 5365.0, 5486.0, 5583.0, 5430.0, 5456.0, 5469.0, 5531.0, 5331.0, 5589.0, 5694.0, 5711.0, 5593.0, 5579.0, 5670.0, 5514.0, 5322.0, 5427.0, 5663.0, 5278.0, 5530.0, 5653.0, 5713.0, 5551.0, 5403.0, 5656.0, 5716.0, 5449.0, 5337.0, 5509.0, 5448.0, 5584.0, 5560.0, 5348.0, 5502.0, 5666.0, 5569.0, 5614.0, 5631.0, 5326.0, 5264.0, 5498.0, 5330.0, 5533.0, 5332.0, 5383.0, 5709.0, 5657.0, 5444.0, 5526.0, 5300.0, 5686.0, 5679.0, 5480.0, 5699.0, 5398.0, 5503.0, 5367.0, 5628.0, 5363.0, 5623.0, 5375.0, 5381.0, 5297.0 (number of hits: 6)
26	5550	9	1	333	1	5719.0, 5266.0, 5418.0, 5596.0, 5604.0,

						5323.0, 5411.0, 5311.0, 5315.0, 5534.0, 5317.0, 5271.0, 5359.0, 5313.0, 5395.0, 5654.0, 5531.0, 5288.0, 5296.0, 5676.0, 5304.0, 5521.0, 5720.0, 5361.0, 5718.0, 5605.0, 5493.0, 5670.0, 5522.0, 5416.0, 5305.0, 5479.0, 5466.0, 5496.0, 5516.0, 5472.0, 5393.0, 5438.0, 5685.0, 5256.0, 5678.0, 5520.0, 5523.0, 5572.0, 5293.0, 5612.0, 5650.0, 5322.0, 5368.0, 5584.0, 5320.0, 5683.0, 5603.0, 5693.0, 5552.0, 5366.0, 5409.0, 5667.0, 5290.0, 5526.0, 5298.0, 5400.0, 5490.0, 5649.0, 5616.0, 5648.0, 5710.0, 5715.0, 5401.0, 5687.0, 5385.0, 5546.0, 5567.0, 5558.0, 5705.0, 5397.0, 5599.0, 5429.0, 5573.0, 5436.0, 5682.0, 5394.0, 5501.0, 5295.0, 5554.0, 5371.0, 5492.0, 5390.0, 5707.0, 5263.0, 5666.0, 5362.0, 5338.0, 5644.0, 5589.0, 5432.0, 5636.0, 5613.0, 5629.0, 5269.0 (number of hits: 10)
27	5550	9	1	333	1	5389.0, 5554.0, 5679.0, 5616.0, 5711.0, 5276.0, 5501.0, 5664.0, 5421.0, 5296.0, 5404.0, 5716.0, 5303.0, 5455.0, 5592.0, 5316.0, 5663.0, 5580.0, 5649.0, 5504.0, 5298.0, 5466.0, 5429.0, 5442.0, 5613.0, 5463.0, 5520.0, 5647.0, 5624.0, 5479.0, 5702.0, 5633.0, 5706.0, 5539.0, 5655.0, 5608.0, 5524.0, 5477.0, 5516.0, 5395.0, 5419.0, 5675.0, 5262.0, 5601.0, 5402.0, 5332.0, 5678.0, 5441.0, 5483.0, 5465.0, 5714.0, 5581.0, 5497.0, 5372.0, 5329.0, 5264.0, 5662.0, 5628.0, 5473.0, 5566.0, 5505.0, 5423.0, 5618.0, 5454.0, 5254.0, 5378.0, 5722.0, 5698.0, 5612.0, 5648.0, 5629.0, 5312.0, 5585.0, 5621.0, 5294.0, 5670.0, 5259.0, 5572.0, 5359.0, 5384.0, 5269.0, 5686.0, 5536.0, 5676.0, 5685.0, 5528.0, 5281.0, 5525.0, 5363.0, 5251.0, 5691.0, 5338.0, 5343.0, 5551.0, 5532.0, 5699.0, 5704.0, 5283.0, 5396.0, 5367.0 (number of hits: 5)
28	5550	9	1	333	1	5566.0, 5572.0, 5711.0, 5314.0, 5615.0, 5644.0, 5498.0, 5554.0, 5701.0, 5523.0, 5354.0, 5377.0, 5688.0, 5411.0, 5318.0, 5433.0, 5321.0, 5256.0, 5584.0, 5718.0, 5627.0, 5391.0, 5450.0, 5552.0, 5595.0, 5402.0, 5618.0, 5268.0, 5376.0, 5645.0, 5383.0, 5278.0, 5446.0, 5312.0, 5407.0, 5439.0, 5612.0, 5475.0, 5623.0, 5448.0, 5640.0, 5430.0, 5463.0, 5316.0, 5338.0, 5624.0, 5313.0, 5568.0, 5387.0, 5708.0, 5538.0, 5666.0, 5438.0, 5403.0, 5502.0, 5315.0, 5370.0, 5617.0, 5360.0, 5380.0, 5365.0, 5652.0, 5667.0, 5699.0, 5713.0, 5724.0, 5576.0, 5480.0, 5675.0, 5334.0, 5646.0, 5521.0, 5674.0, 5359.0, 5593.0, 5686.0, 5495.0, 5536.0, 5507.0, 5604.0, 5368.0, 5469.0, 5594.0, 5524.0, 5453.0, 5588.0, 5291.0, 5286.0, 5326.0, 5419.0,

						5658.0, 5598.0, 5599.0, 5389.0, 5634.0, 5304.0, 5647.0, 5456.0, 5296.0, 5526.0 (number of hits: 7)
29	5550	9	1	333	1	5720.0, 5625.0, 5315.0, 5585.0, 5536.0, 5301.0, 5433.0, 5336.0, 5410.0, 5601.0, 5463.0, 5334.0, 5298.0, 5514.0, 5252.0, 5560.0, 5692.0, 5606.0, 5387.0, 5428.0, 5609.0, 5412.0, 5664.0, 5351.0, 5277.0, 5432.0, 5365.0, 5646.0, 5504.0, 5554.0, 5559.0, 5490.0, 5655.0, 5690.0, 5304.0, 5443.0, 5659.0, 5648.0, 5541.0, 5466.0, 5470.0, 5542.0, 5586.0, 5290.0, 5269.0, 5324.0, 5288.0, 5564.0, 5649.0, 5496.0, 5578.0, 5580.0, 5527.0, 5446.0, 5309.0, 5377.0, 5366.0, 5662.0, 5320.0, 5590.0, 5672.0, 5346.0, 5483.0, 5584.0, 5500.0, 5478.0, 5626.0, 5712.0, 5711.0, 5413.0, 5669.0, 5685.0, 5650.0, 5259.0, 5287.0, 5620.0, 5694.0, 5474.0, 5518.0, 5492.0, 5706.0, 5380.0, 5501.0, 5545.0, 5528.0, 5670.0, 5531.0, 5709.0, 5434.0, 5621.0, 5623.0, 5279.0, 5331.0, 5543.0, 5637.0, 5437.0, 5333.0, 5547.0, 5677.0, 5710.0 (number of hits: 7)
30	5550	9	1	333	1	5491.0, 5585.0, 5349.0, 5629.0, 5680.0, 5340.0, 5370.0, 5538.0, 5261.0, 5641.0, 5559.0, 5700.0, 5287.0, 5363.0, 5421.0, 5335.0, 5723.0, 5461.0, 5400.0, 5553.0, 5388.0, 5350.0, 5616.0, 5529.0, 5689.0, 5466.0, 5659.0, 5431.0, 5470.0, 5445.0, 5456.0, 5497.0, 5332.0, 5305.0, 5624.0, 5596.0, 5256.0, 5536.0, 5647.0, 5664.0, 5312.0, 5652.0, 5427.0, 5307.0, 5262.0, 5496.0, 5264.0, 5320.0, 5520.0, 5542.0, 5377.0, 5499.0, 5695.0, 5310.0, 5285.0, 5532.0, 5410.0, 5348.0, 5300.0, 5443.0, 5380.0, 5501.0, 5254.0, 5324.0, 5433.0, 5387.0, 5399.0, 5488.0, 5345.0, 5714.0, 5397.0, 5556.0, 5475.0, 5322.0, 5534.0, 5672.0, 5563.0, 5687.0, 5429.0, 5441.0, 5252.0, 5333.0, 5274.0, 5711.0, 5294.0, 5311.0, 5612.0, 5561.0, 5681.0, 5493.0, 5548.0, 5375.0, 5498.0, 5266.0, 5651.0, 5533.0, 5452.0, 5630.0, 5500.0, 5698.0 (number of hits: 9)

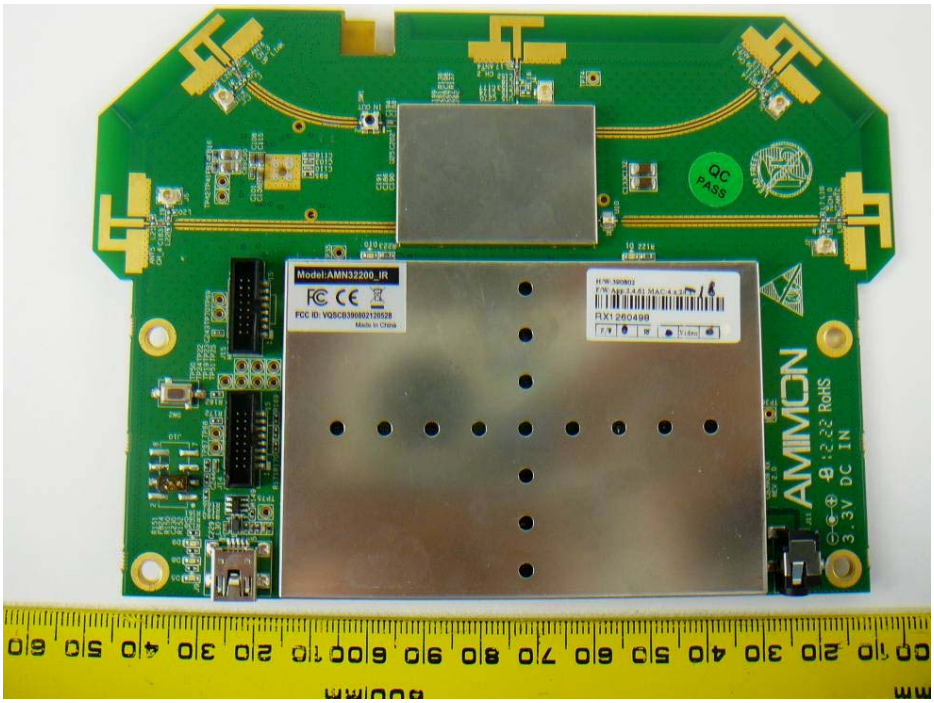
10 Appendix A – Test Setup Photographs

10.1 DFS Test Setup View

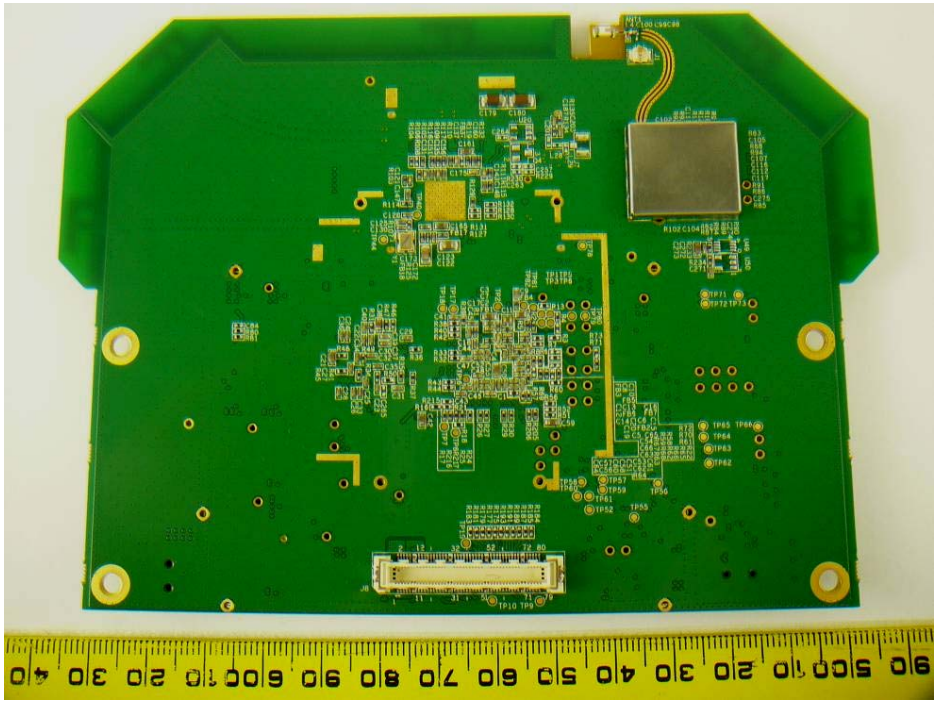


11 Appendix B - EUT Photographs

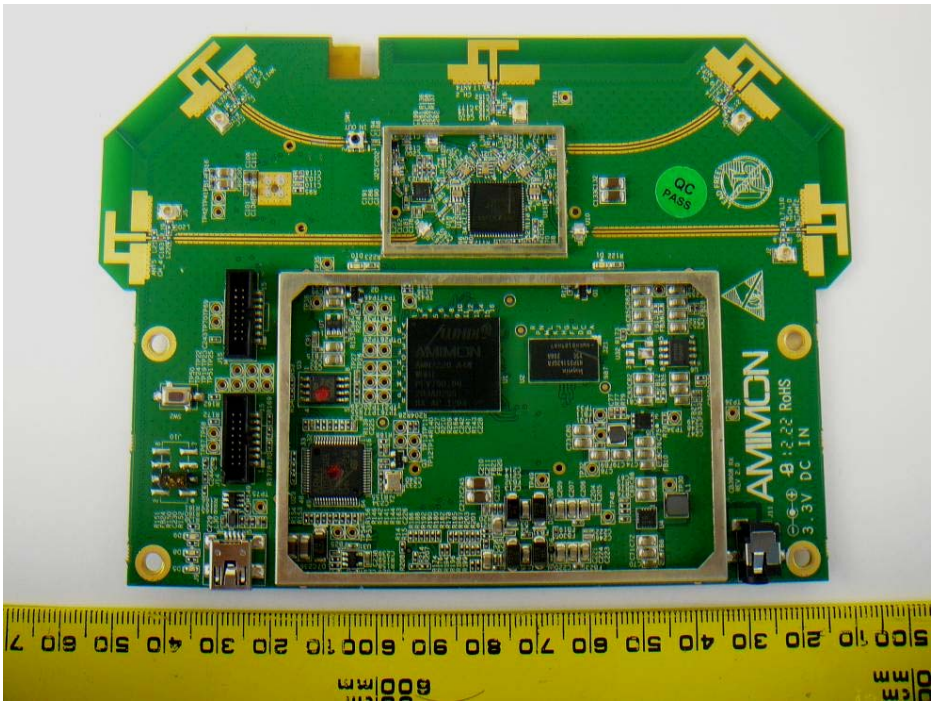
11.1 EUT Top View



11.2 EUT Bottom View



11.3 EUT without Shielding View



11.4 EUT Built into the Host Top View

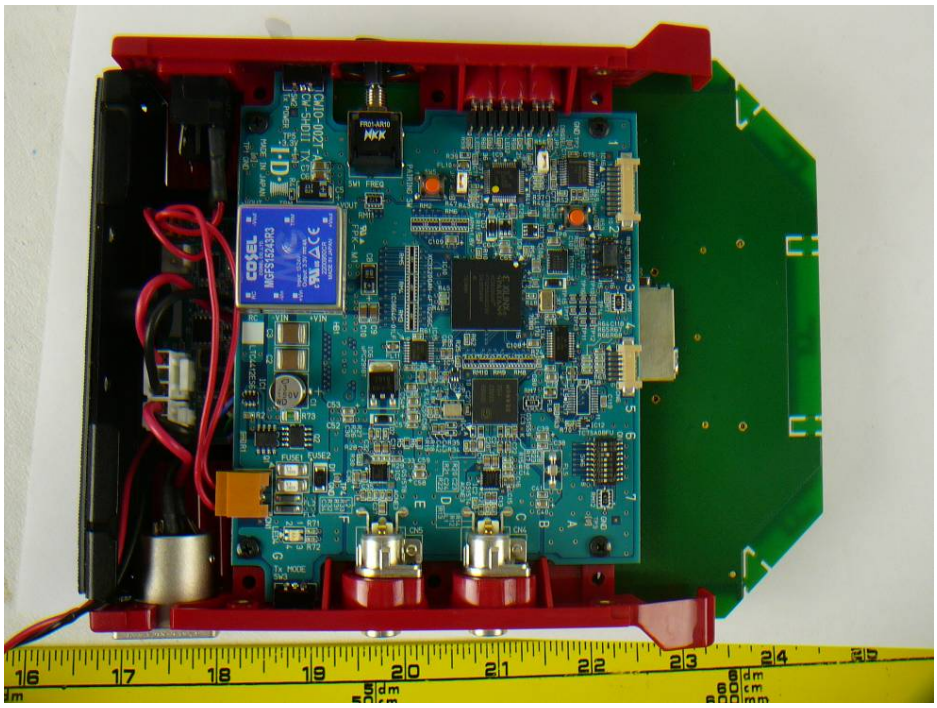
11.5 EUT Built into the Host Bottom View

11.6 Host Side View 1

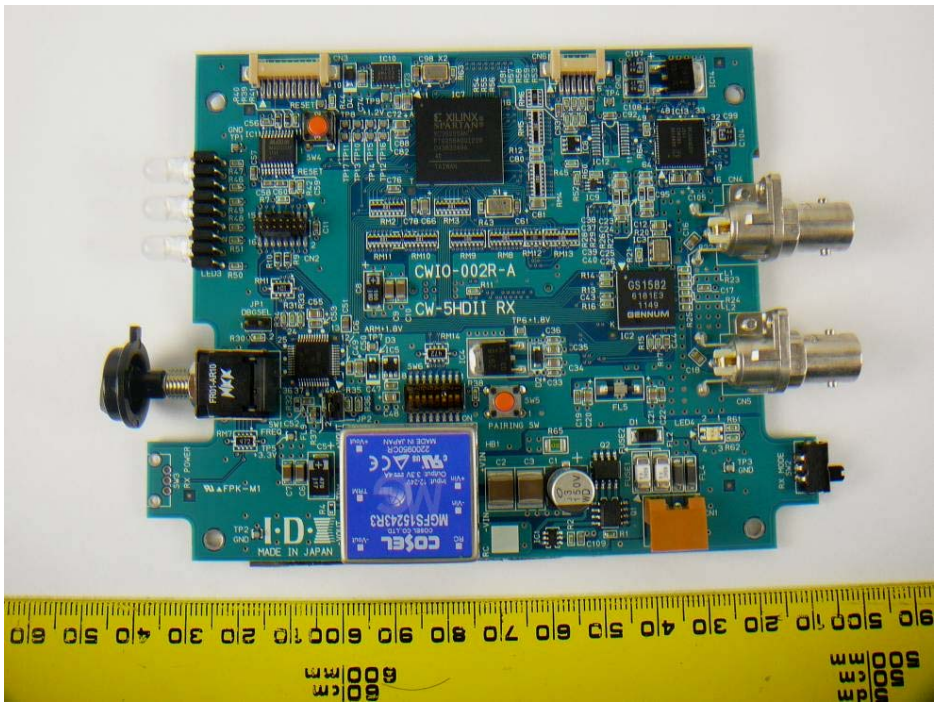
11.7 Host Side View 2

11.8 Host Side View 3

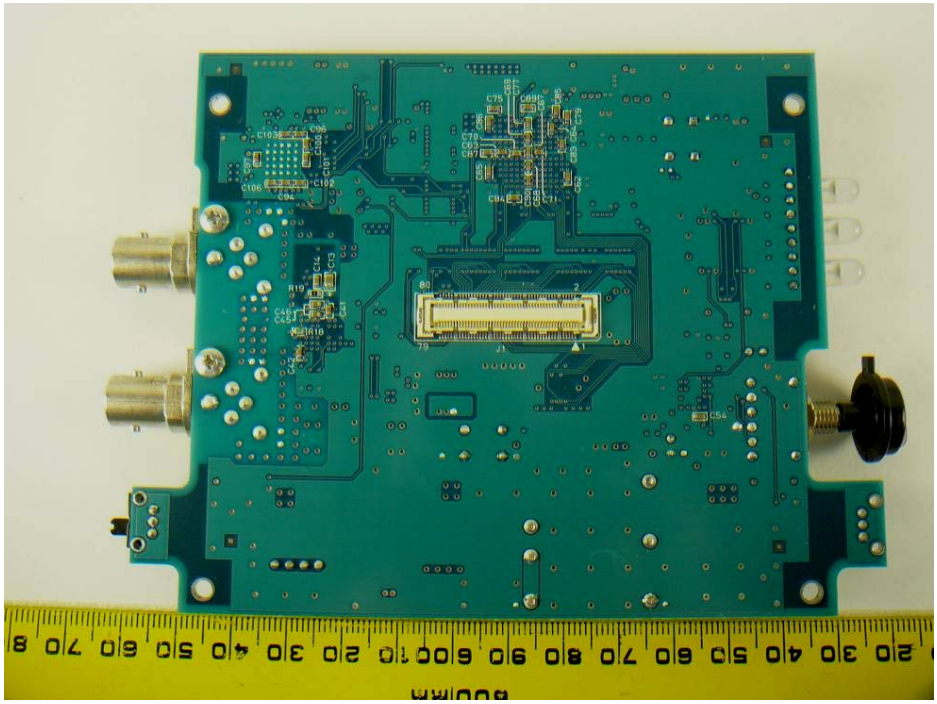
11.9 Host Unit (With EUT) Open Chassis



11.10 Host Unit Board Top View



11.11 Host Unit Board Bottom View



--- END OF REPORT ---