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

For

Amimon Ltd.

2 Maskit St. Herzlia 46733, Israel

FCC ID: VQSAMN36622301
Model: AMN36223

Report Type:	**Equipment Type:**
CIIPC Report	RxGrizzlyPro

Prepared By: Ning Ma

Report No.: R13011611-FCC DFS

Report Date: 2013-03-13

Victor Zhang

Reviewed By: EMC/RF Lead

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TABLE OF CONTENTS

DOCUMENT REVISION HISTORY

Revision Number	Report Number	Description of Revision	Date of Revision
0	R13011611-FCC DFS	Original Report	2013-03-13

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: *VQSAMN36622301* , model: *AMN36223*. The EUT is a HDMI Transmission Board (RX).

1.2 Mechanical Description of EUT

The EUT measures approximately 10 *cm* (L) X 5.2 *cm* (W) X 2.2 *cm* (H) and weighs approximately 77.4 *g.*

The data gathered are from a production sample provided by the manufacturer, serial number: R13011611 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.: R-3729, C-4176, G-469, and T-1206. 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_rx_grizzly_4.x.28.1_build 30, 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 EUT Internal Configuration

Manufacturer	Objects/Parts	Model	Series Number
Amimon	Mother Board	AMN36223-PR	GRP12L0757

2.5 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 Results

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

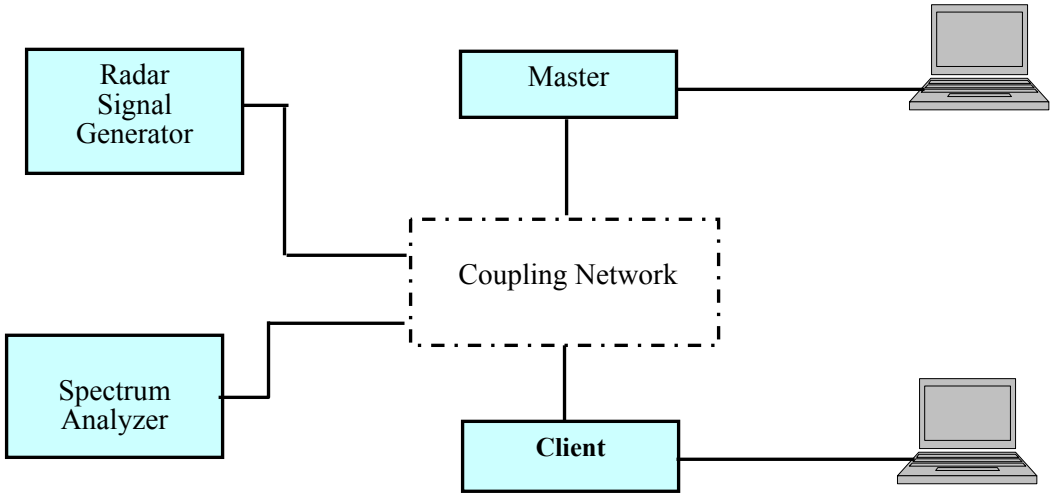
Table 7: Frequency Hopping Radar Test Signal

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

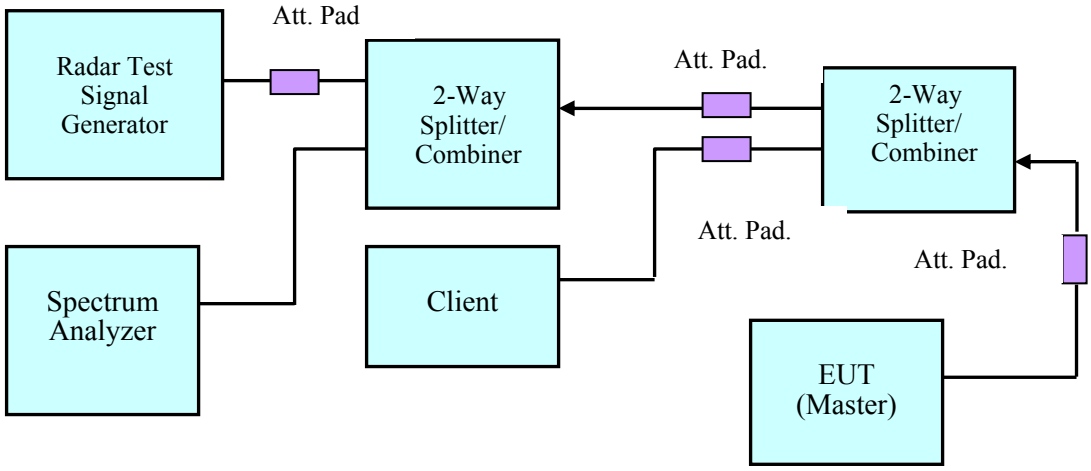
4.2 DFS Measurement System

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

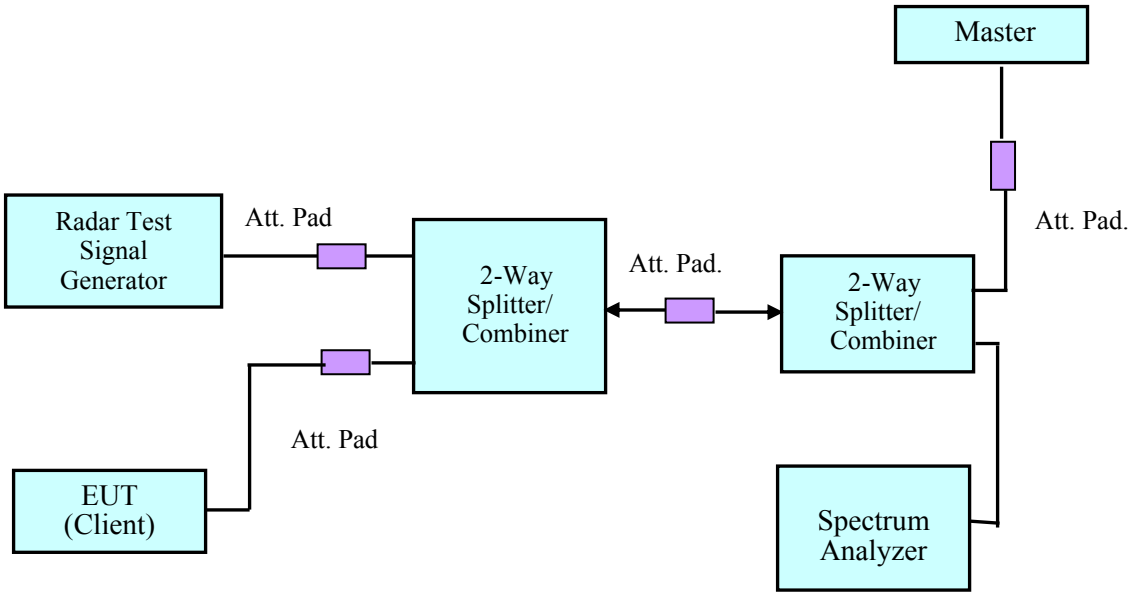
4.3 System Block Diagram



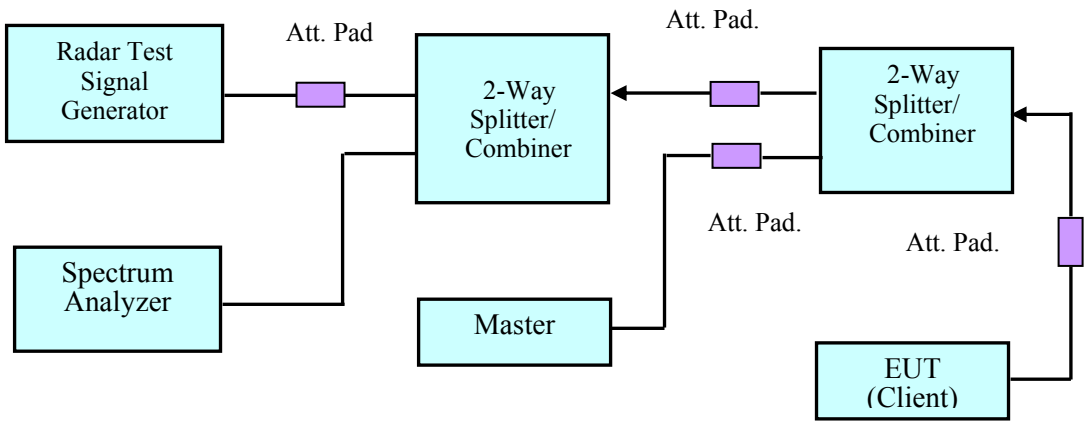
4.4 Conducted Method



Setup for Master with injection at the Master

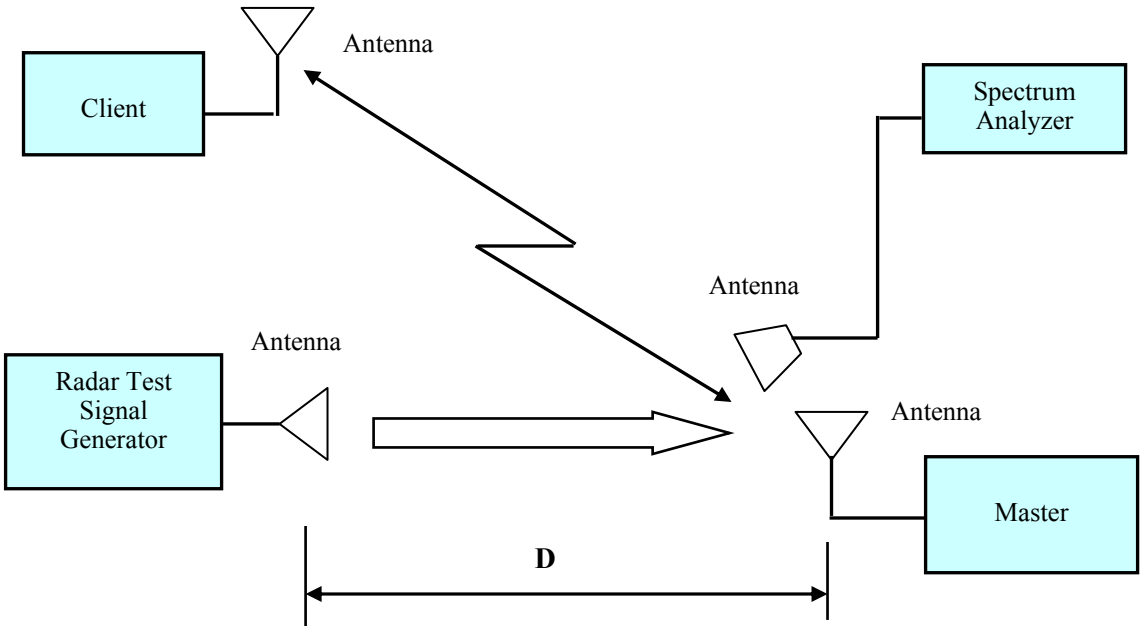


Setup for Client with injection at the Master



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.

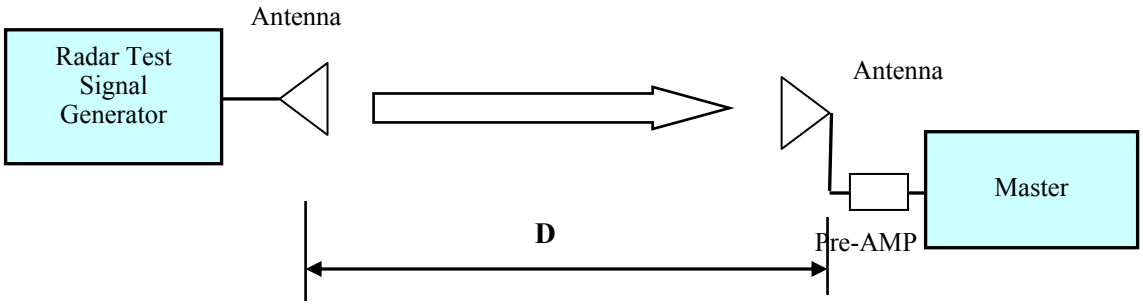
The EUT will not work on 5600-5650MHz band.

5.2 Test Equipment List and Details

Manufacturer	Equipment Description	Model Number	S/N	Calibration Date	Calibration Cycle
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	-
EMCO	Horn antenna	3115	9511-4627	2012-10-17	1 Year
Eaton	Horn antenna	96001	3/1/1907	2012-10-17	1 Year
Agilent	Spectrum Analyzer	E4440A	US45303156	2012-08-22	1 Year
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 Test Environmental Conditions

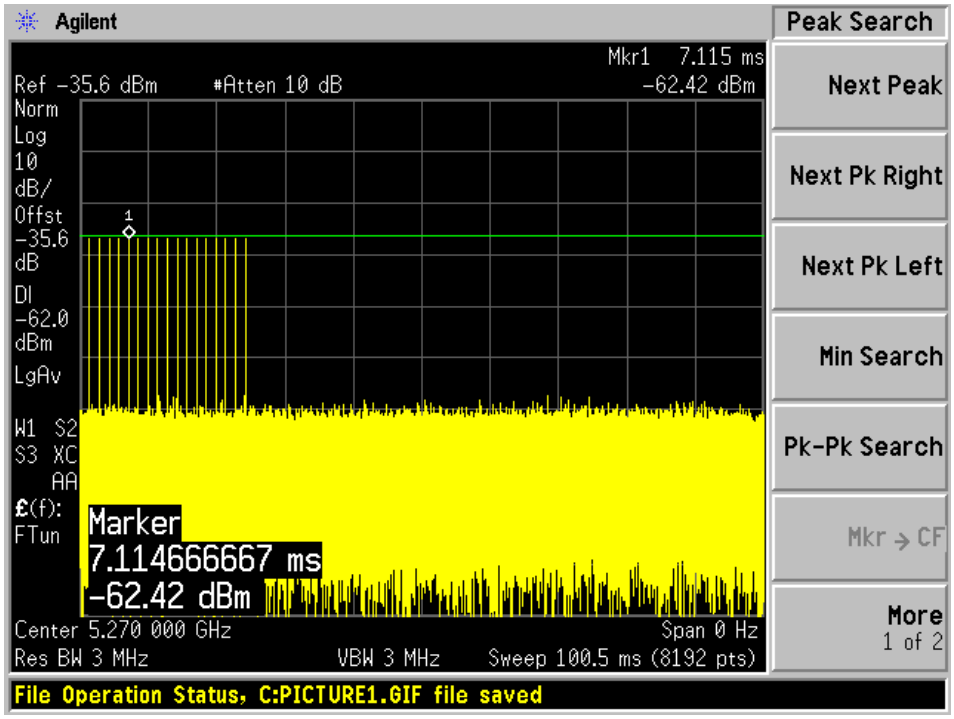
Temperature:	22 °C
Relative Humidity:	47 %
ATM Pressure:	101.5 kpar

Testing performed by Ning Ma on 2012-03-04 at DFS testing site.

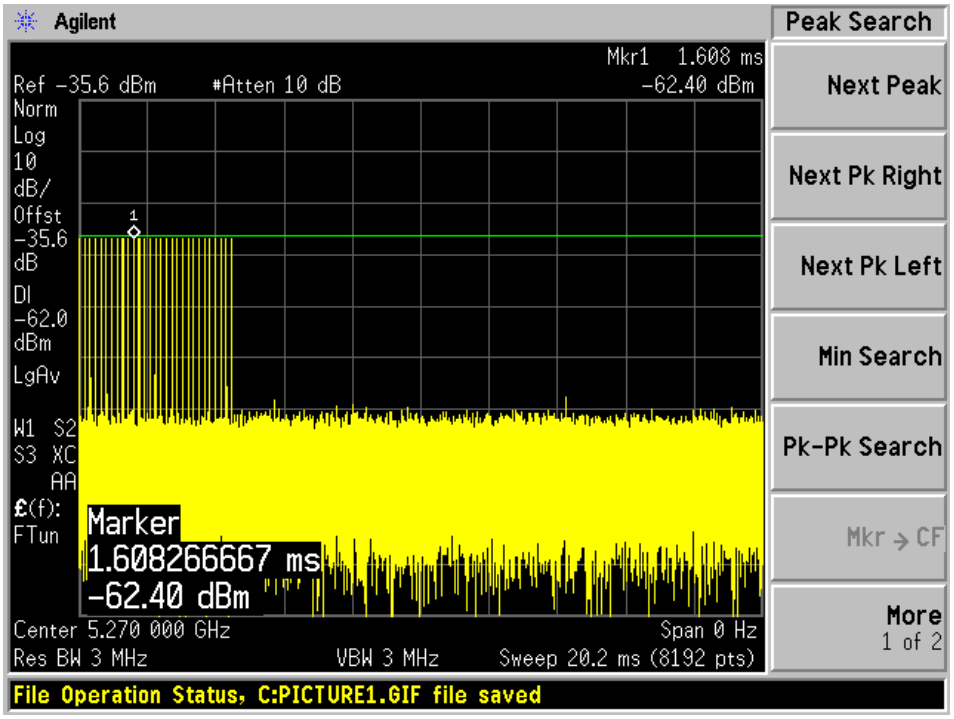
Plots of Radar Waveforms

5270 MHz

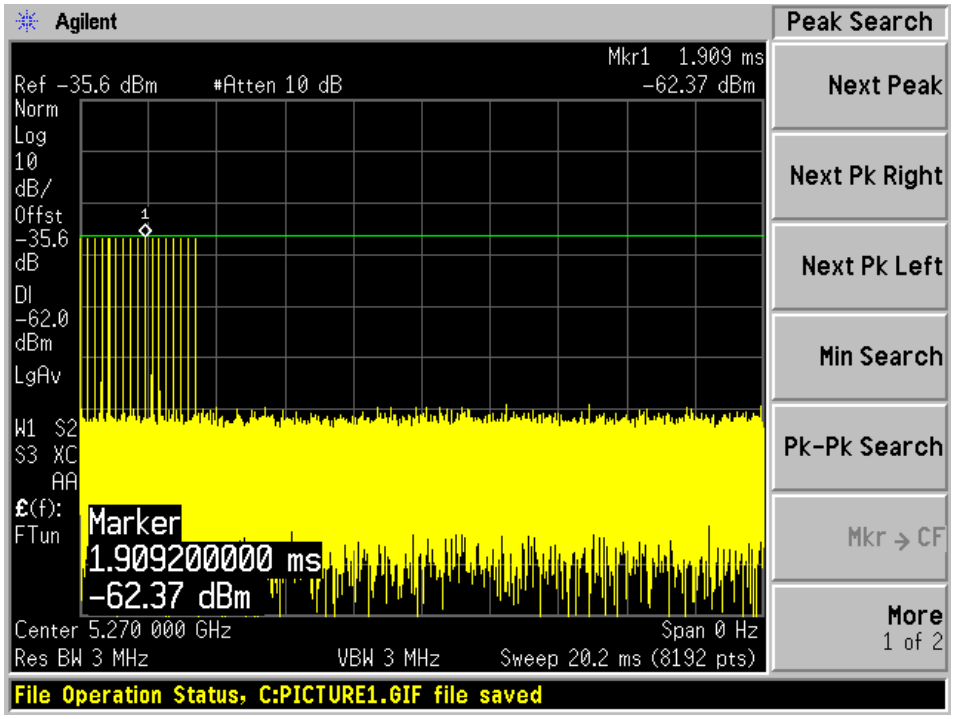
Radar Type 1



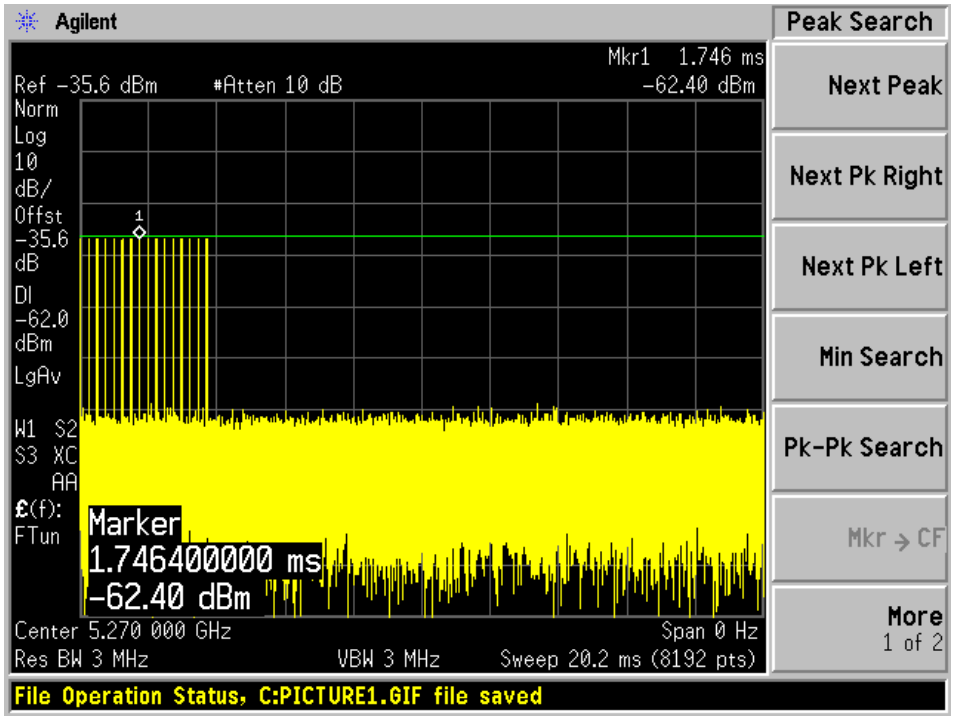
Radar Type 2



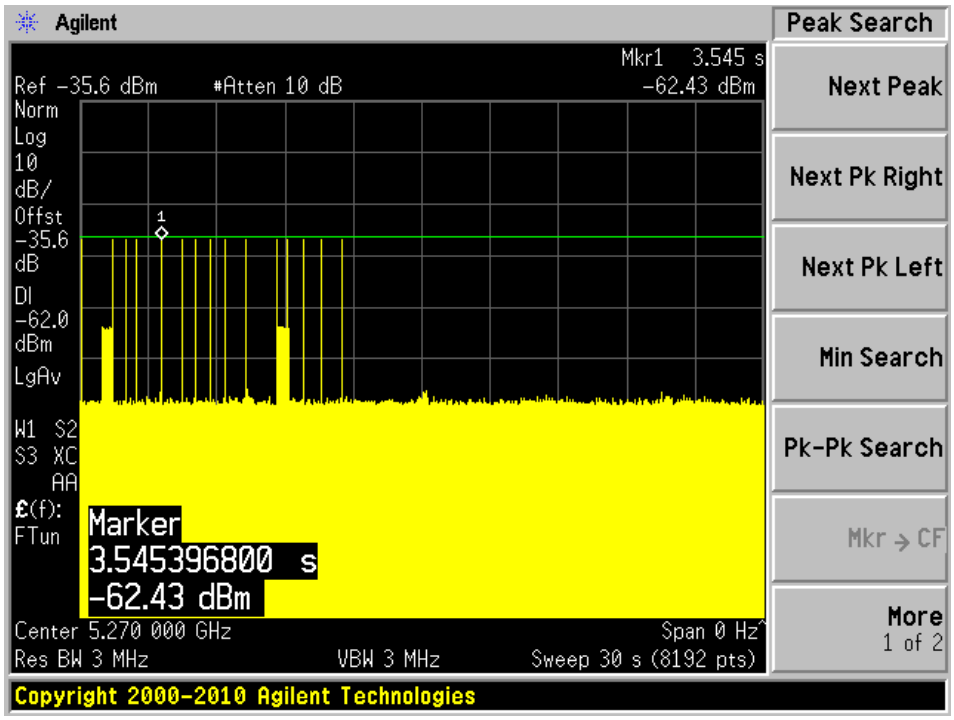
Radar Type 3



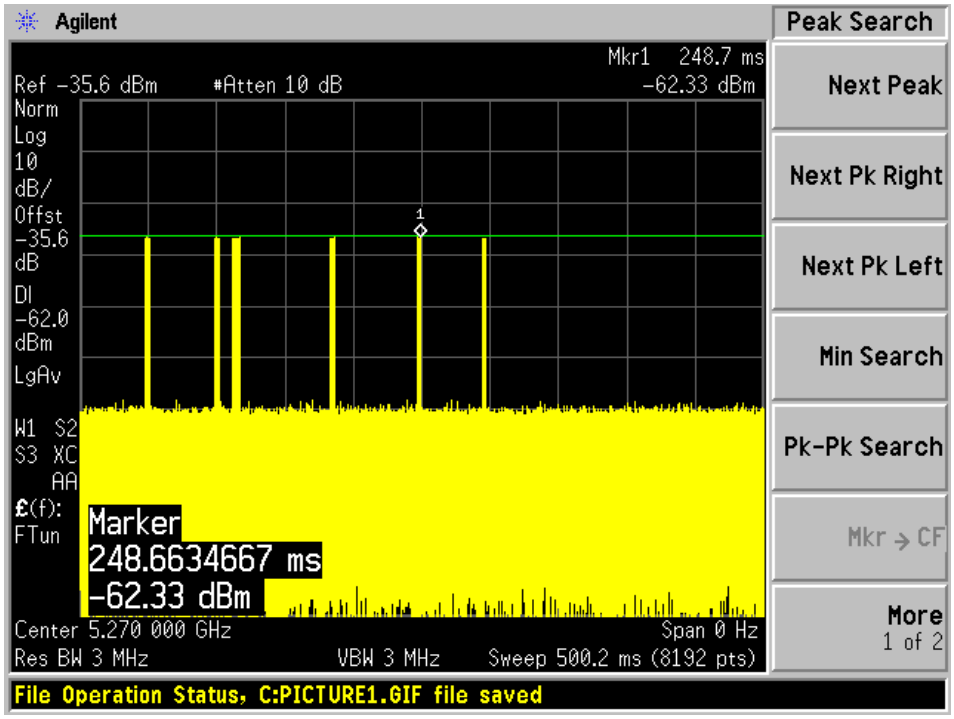
Radar Type 4



Radar Type 5

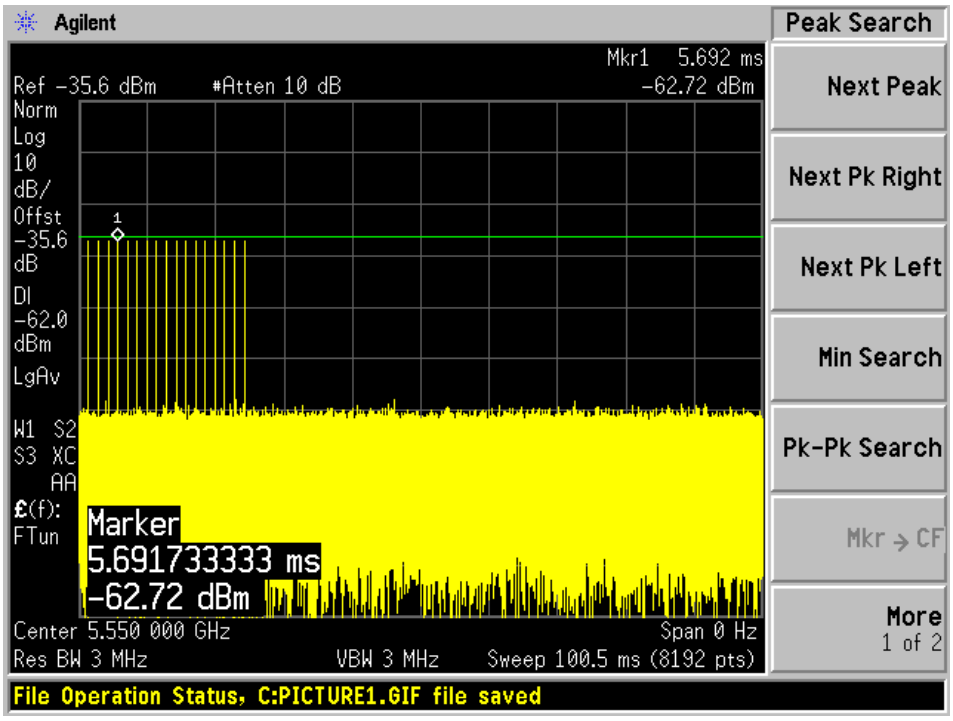


Radar Type 6

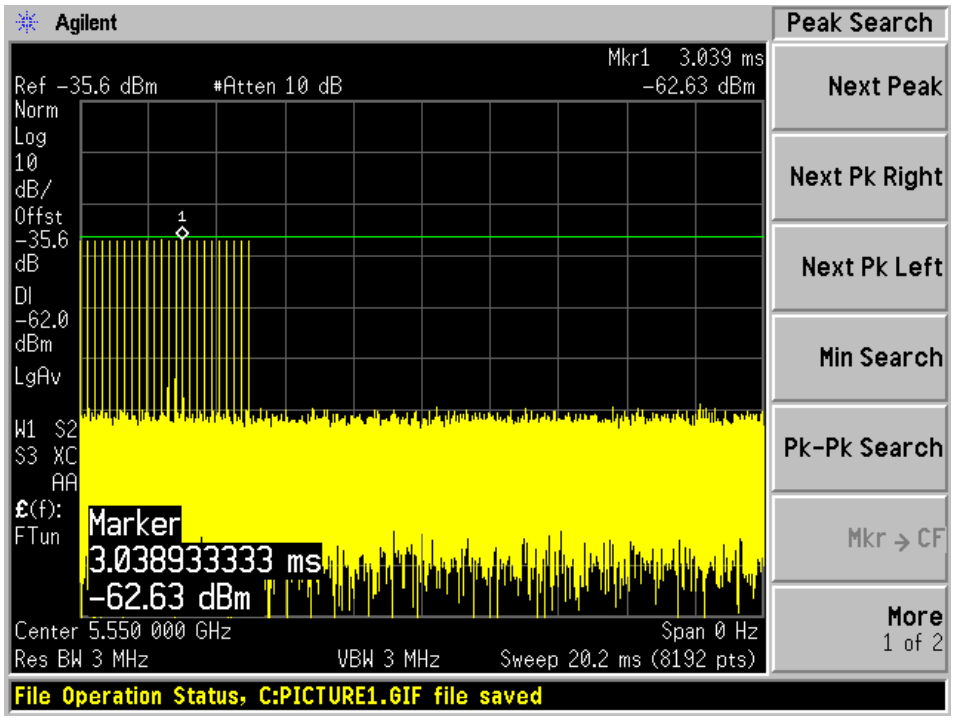


5550 MHz

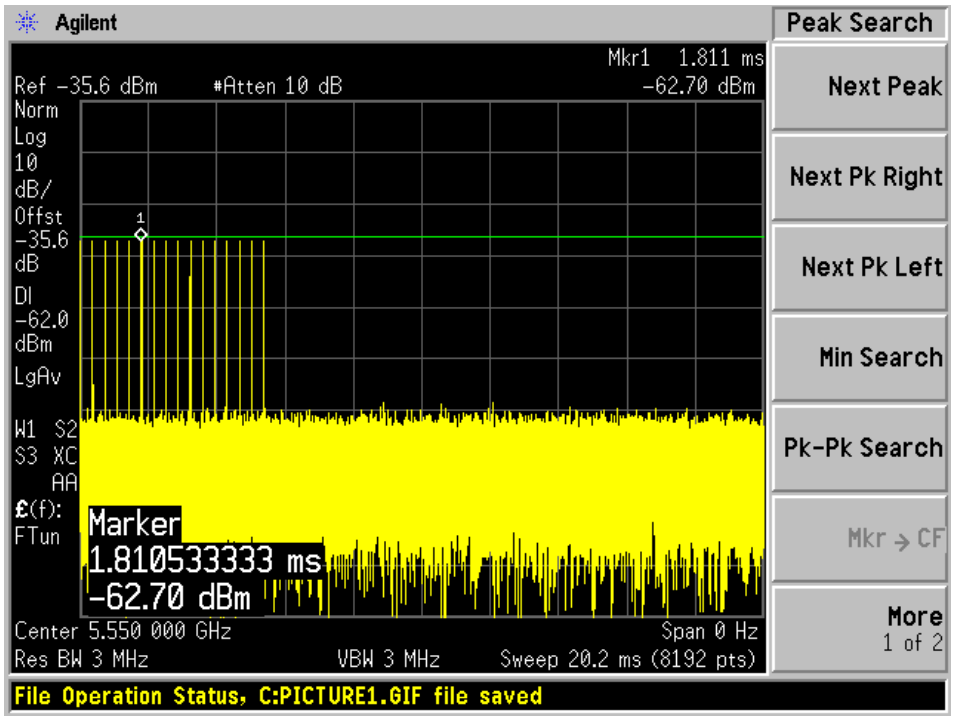
Radar Type 1



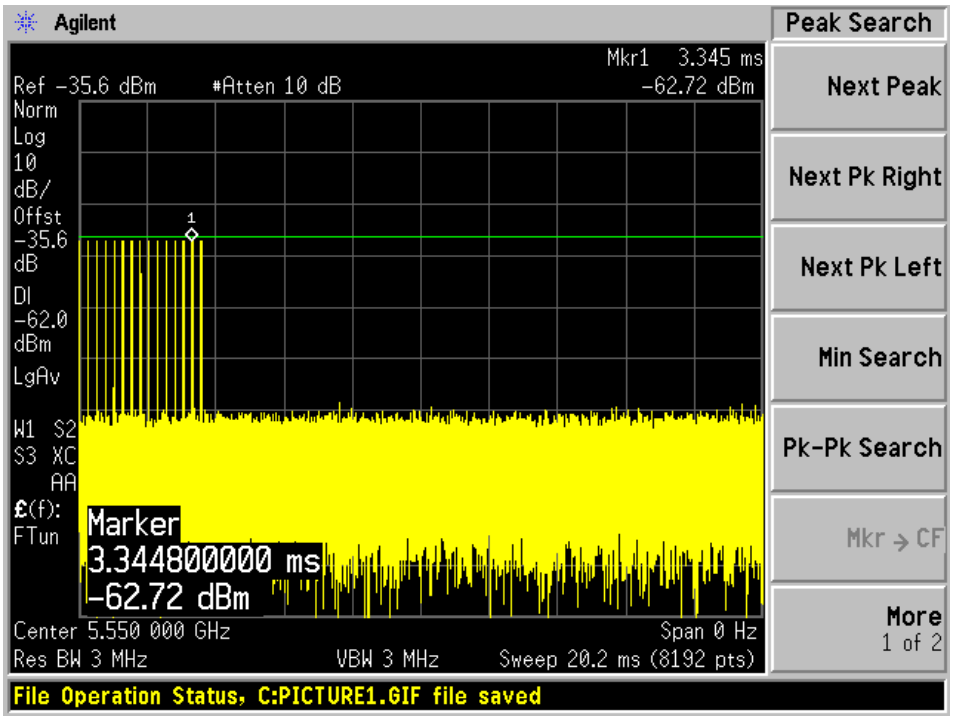
Radar Type 2



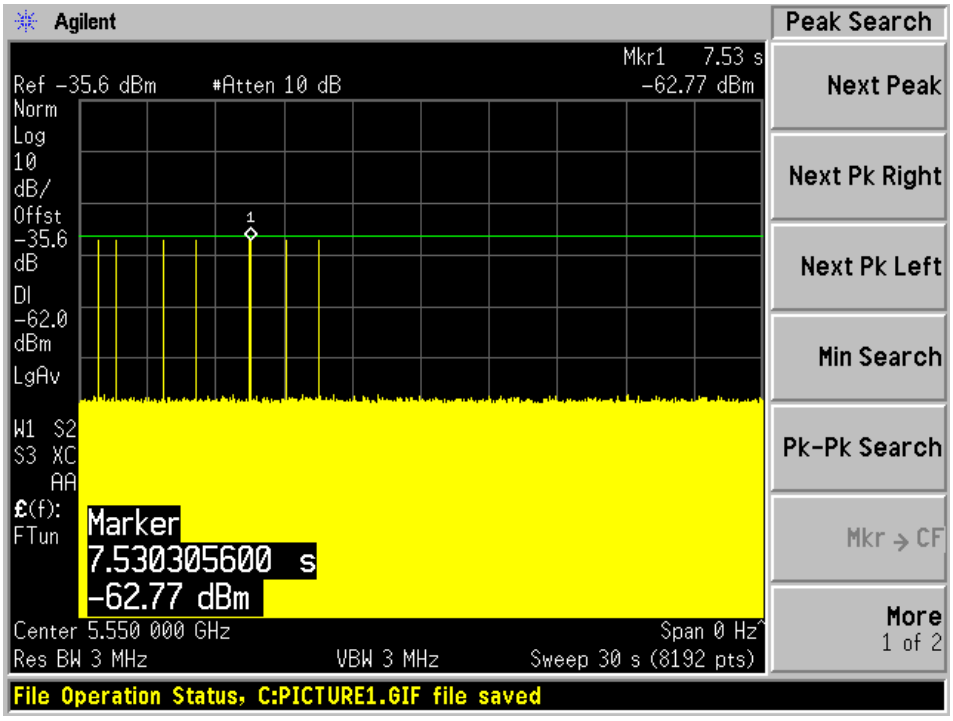
Radar Type 3



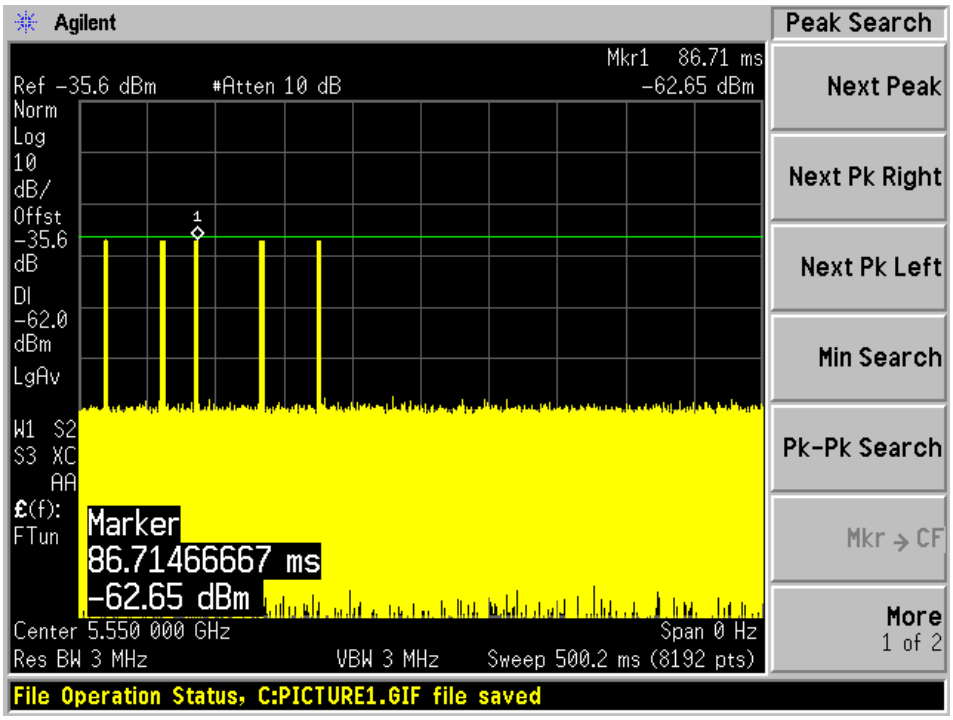
Radar Type 4



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)
24.5

5550 MHz Bandwidth 40 MHz

EUT initial Power-up cycle (Second)
20

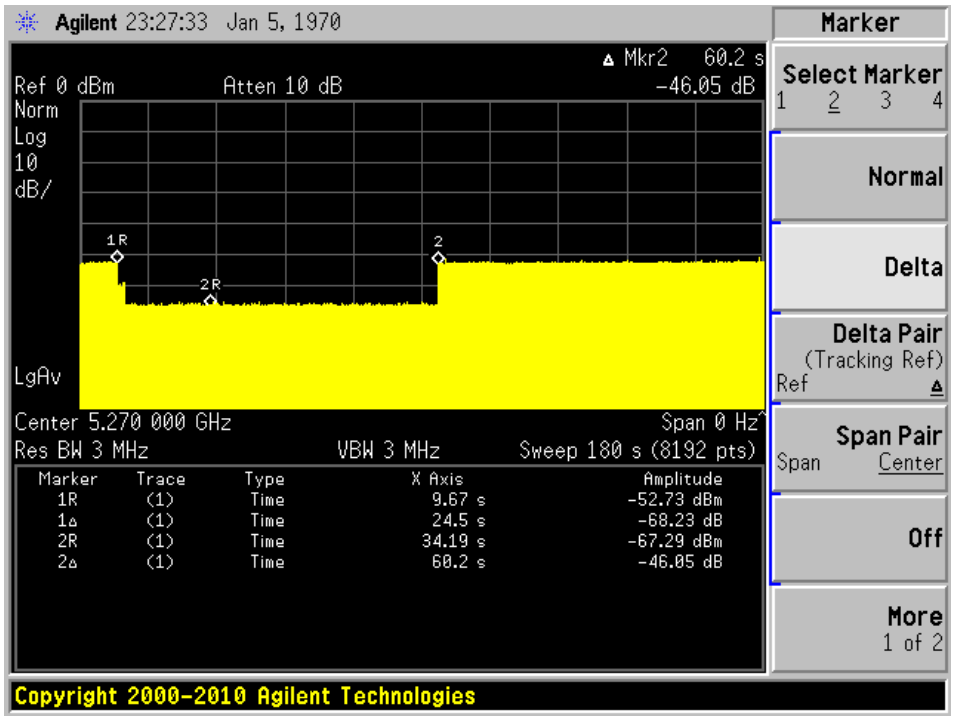
Results:

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.

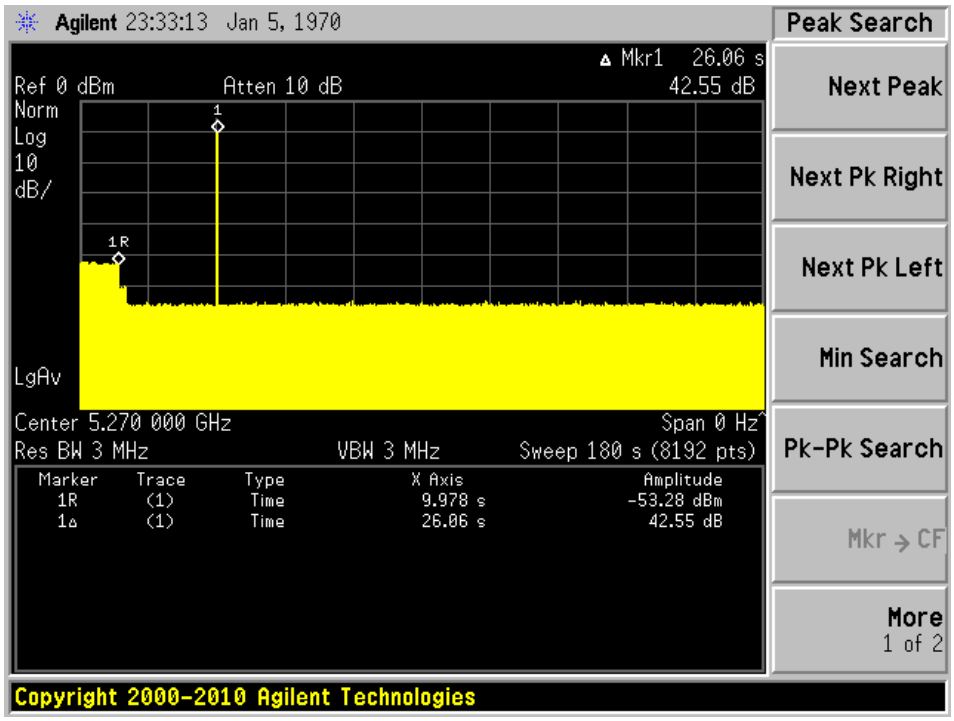
5270 MHZ Bandwidth 40 MHz

Plot of without Radar signal applied



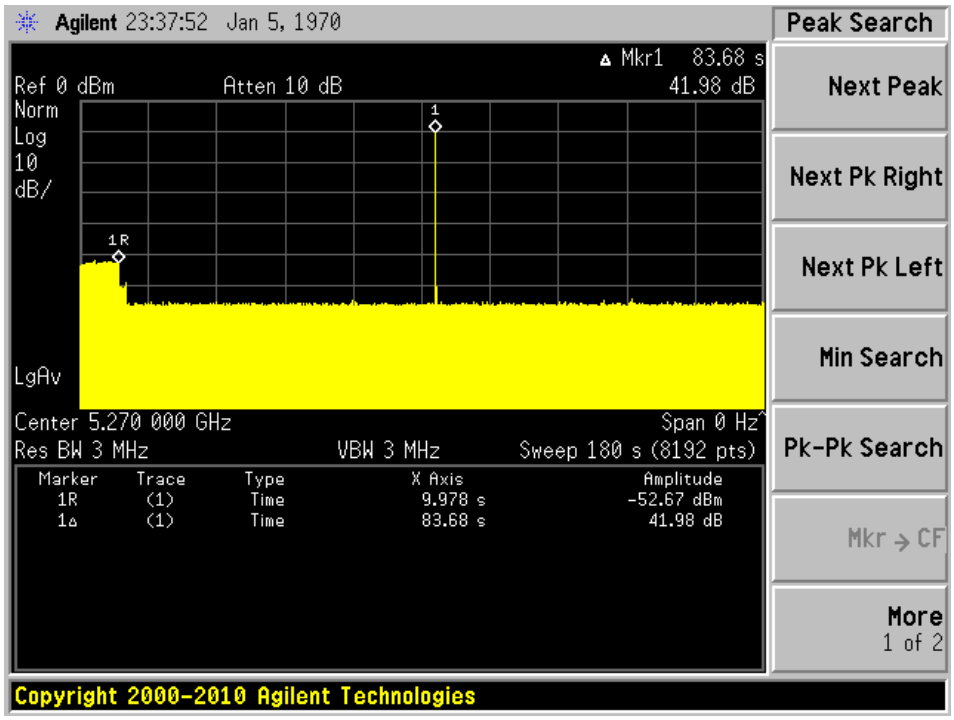
Note: The power-up cycle is 24.5 seconds.

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



No transmissions found after radar signal applied.

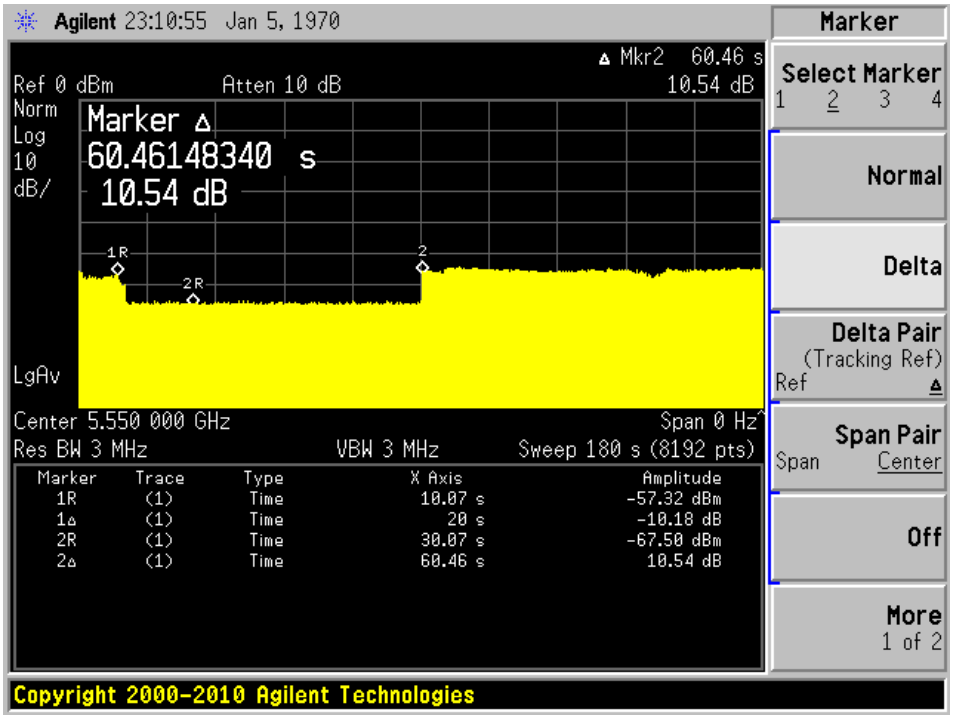
Plot of Radar signal applied at the end of 2 seconds of CAC



No transmissions found after radar signal applied.

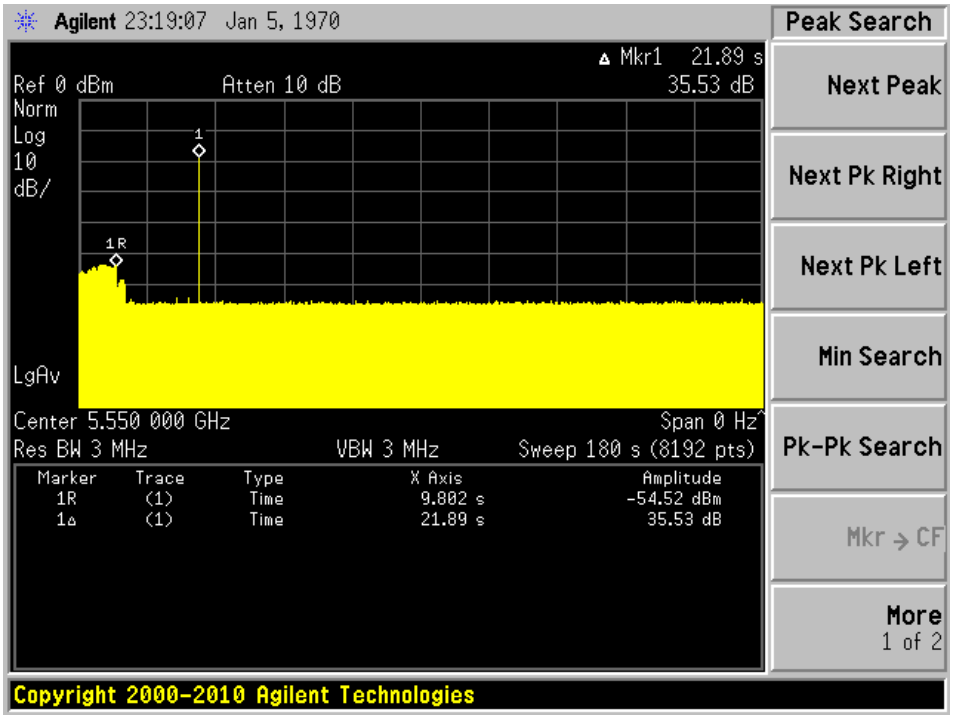
5550 MHZ Bandwidth 40 MHz

Plot of without Radar signal applied



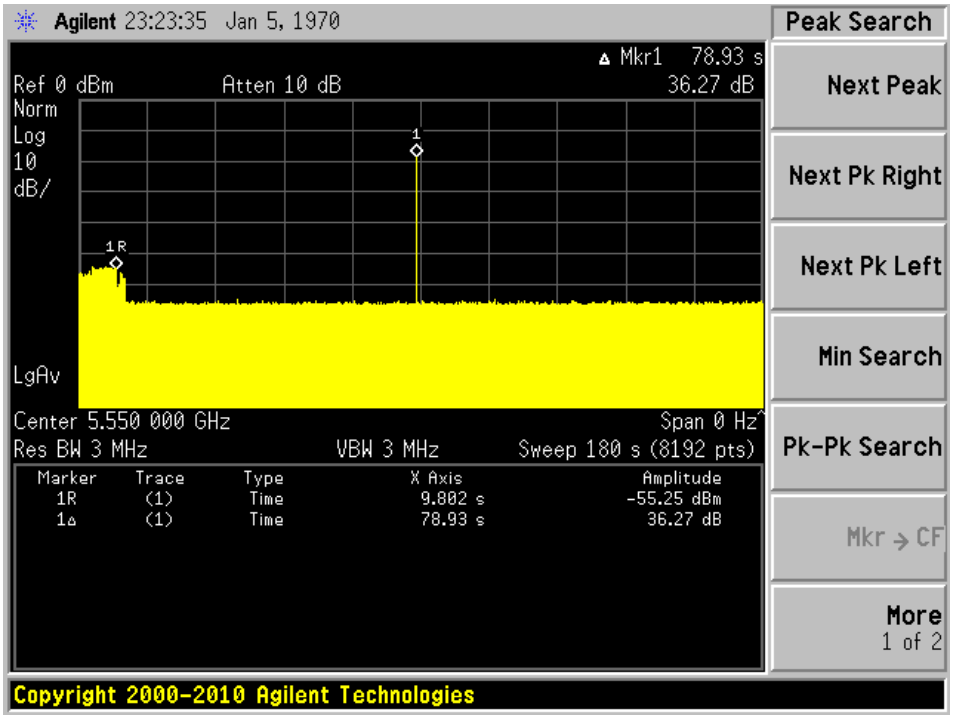
Note: The power-up cycle is 20 seconds.

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)

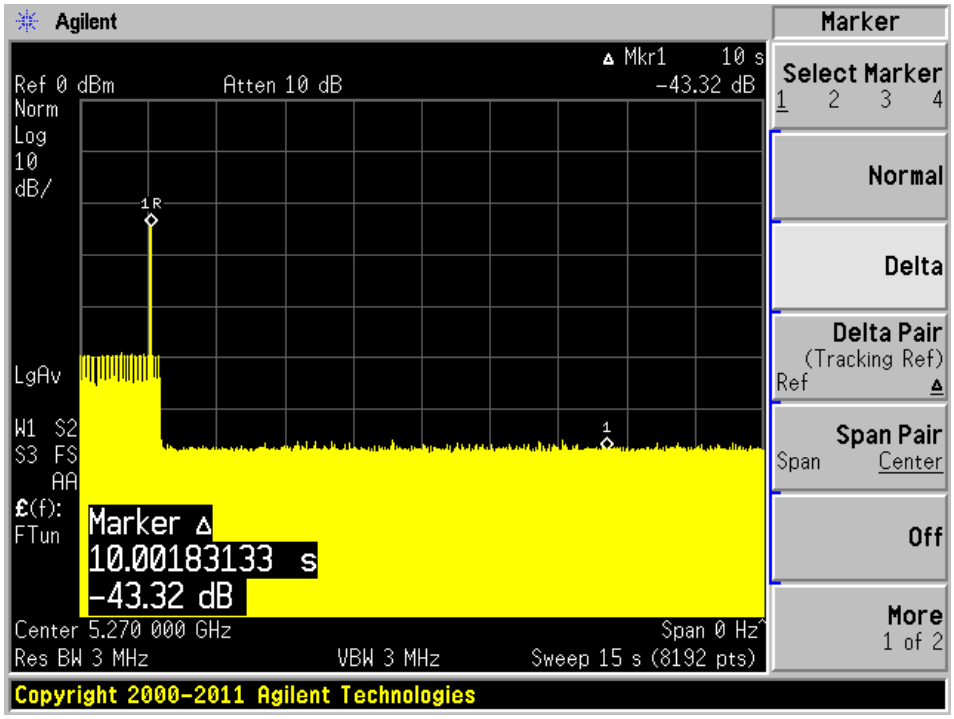
7.2 Test Results

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.

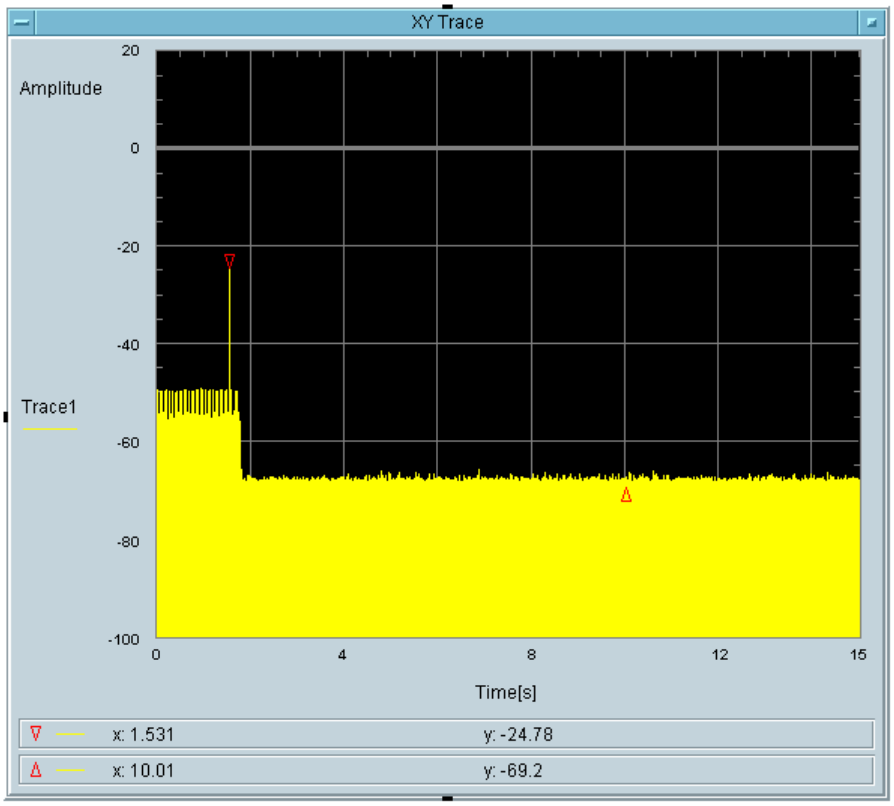
5270 MHz Bandwidth 40 MHz

Type 1 radar channel move time result:

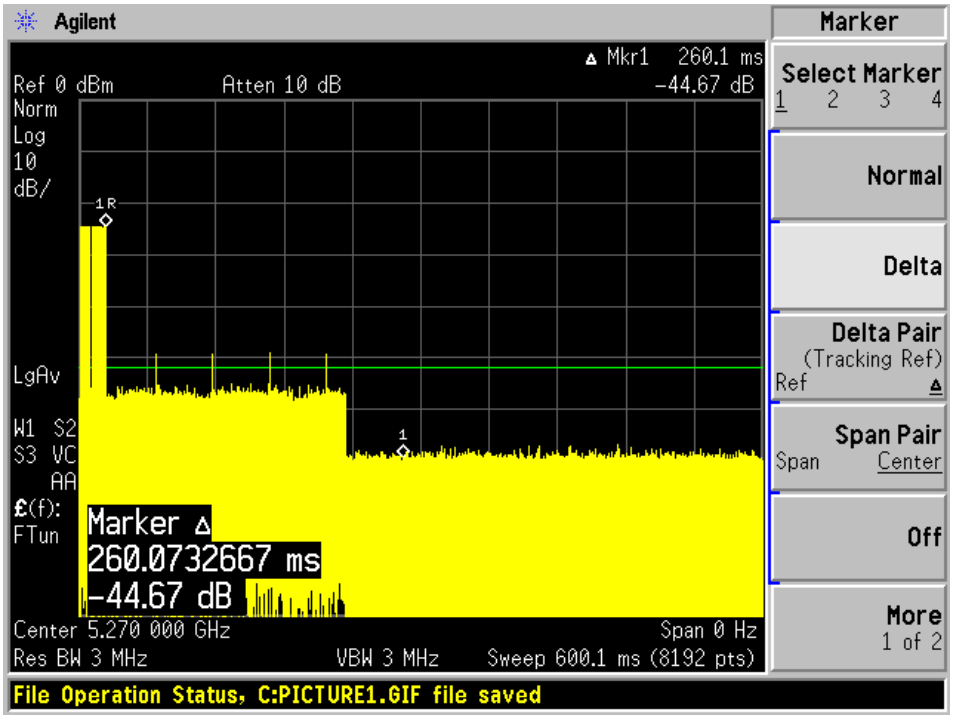


Type1 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
9.156	60	50.844

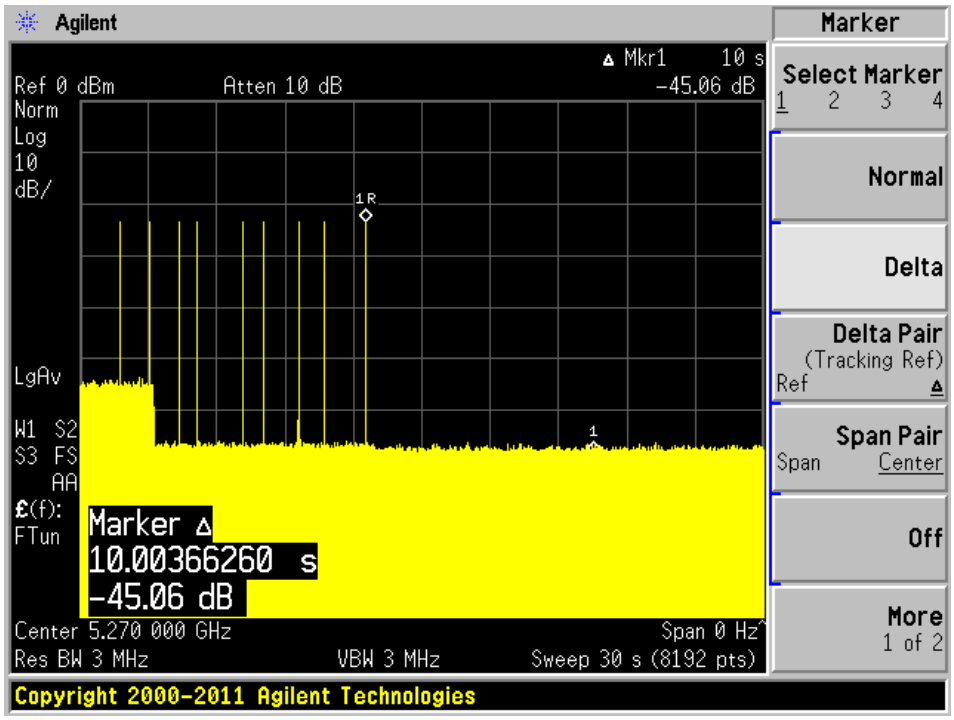


Type1 radar 600ms result:



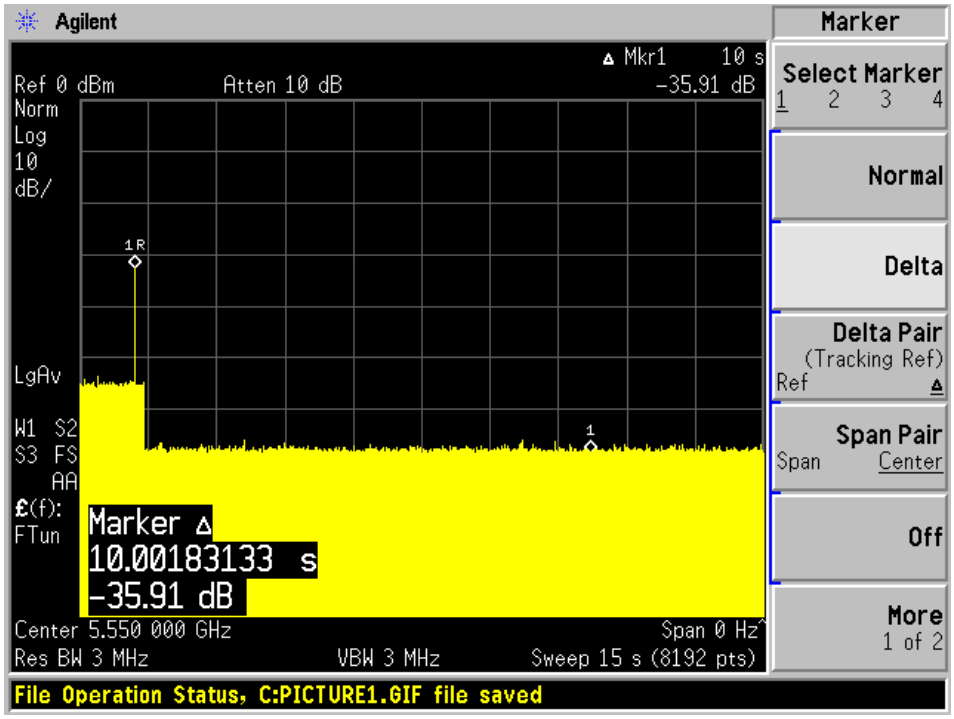
Type 5 radar channel move time result:

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.



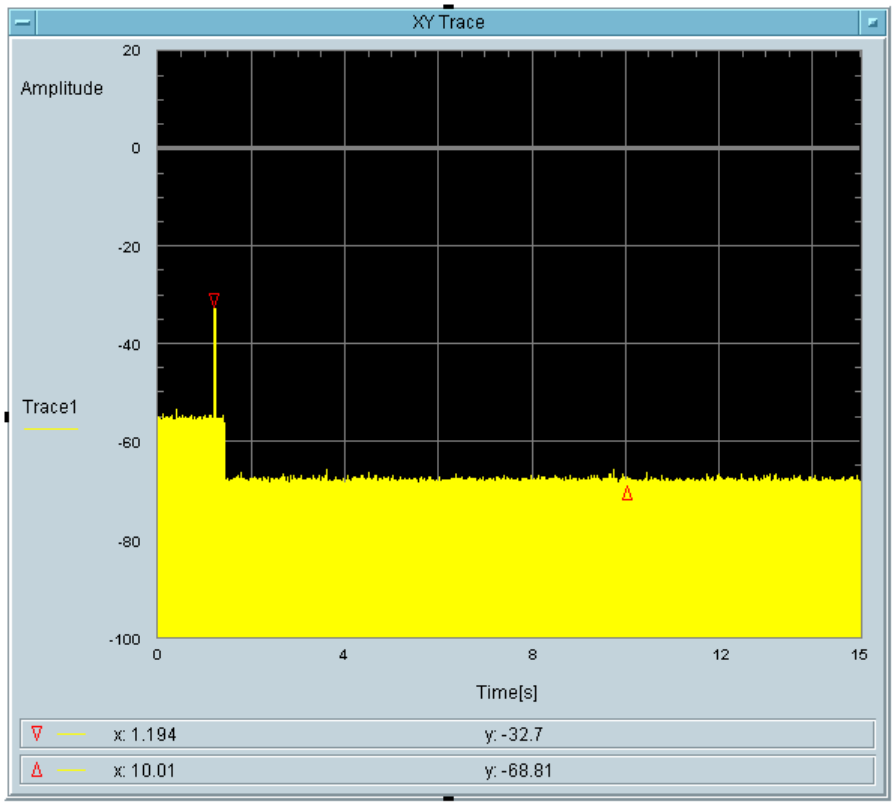
5550 MHz Bandwidth 40 MHz

Type 1 radar channel move time result:

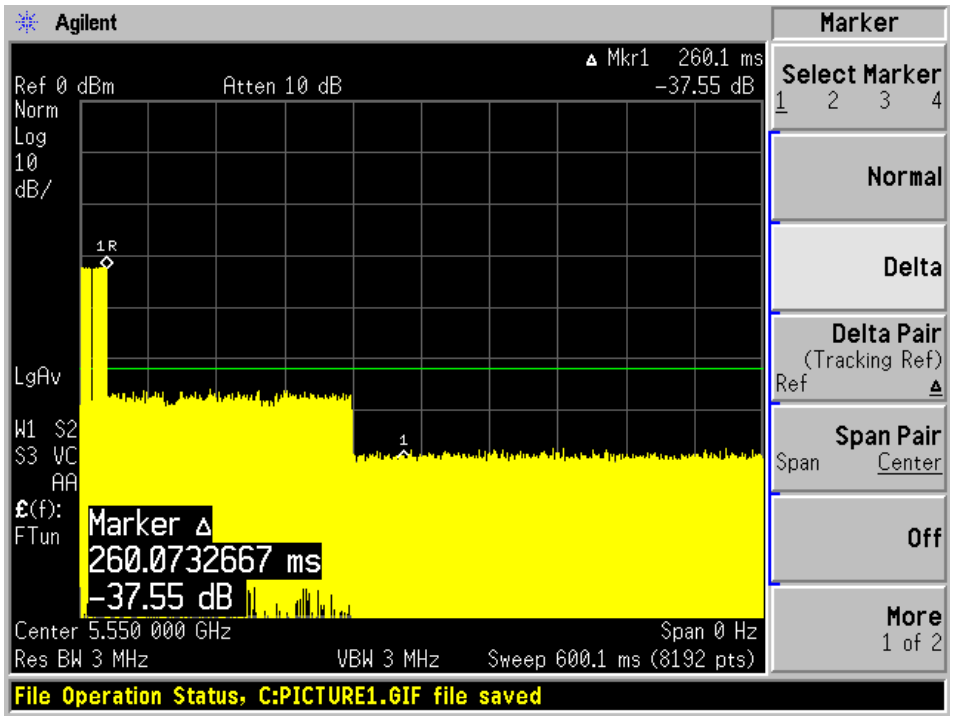


Type1 radar channel closing transmission time result:

Aggregate Transmission Time (ms)	Limit (ms)	Margin (ms)
49.44	60	10.56

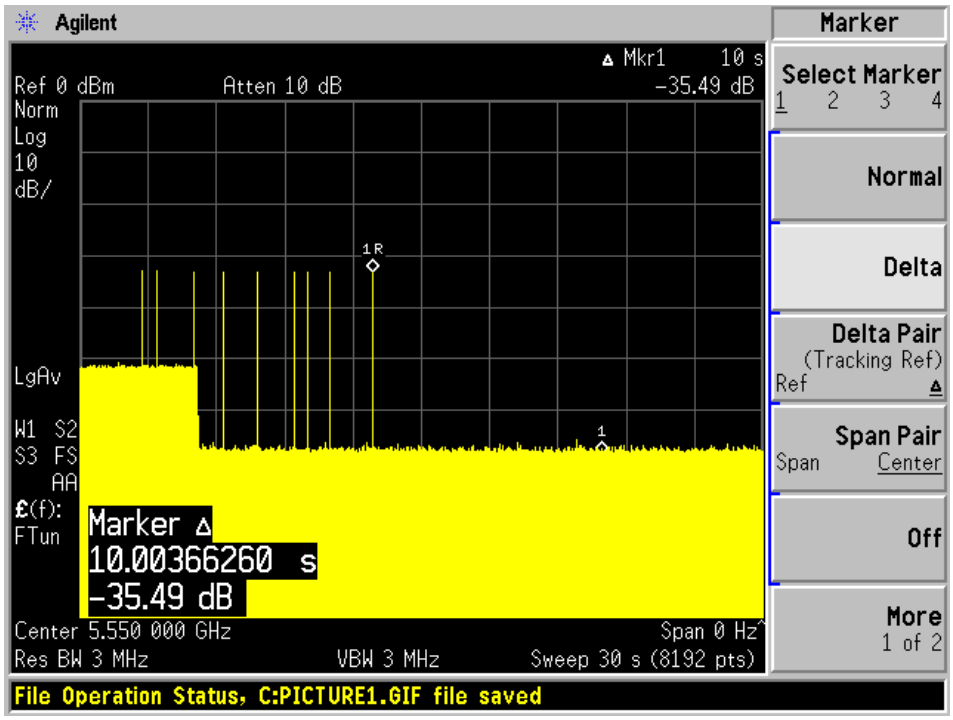


Type1 radar channel 600ms result:



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

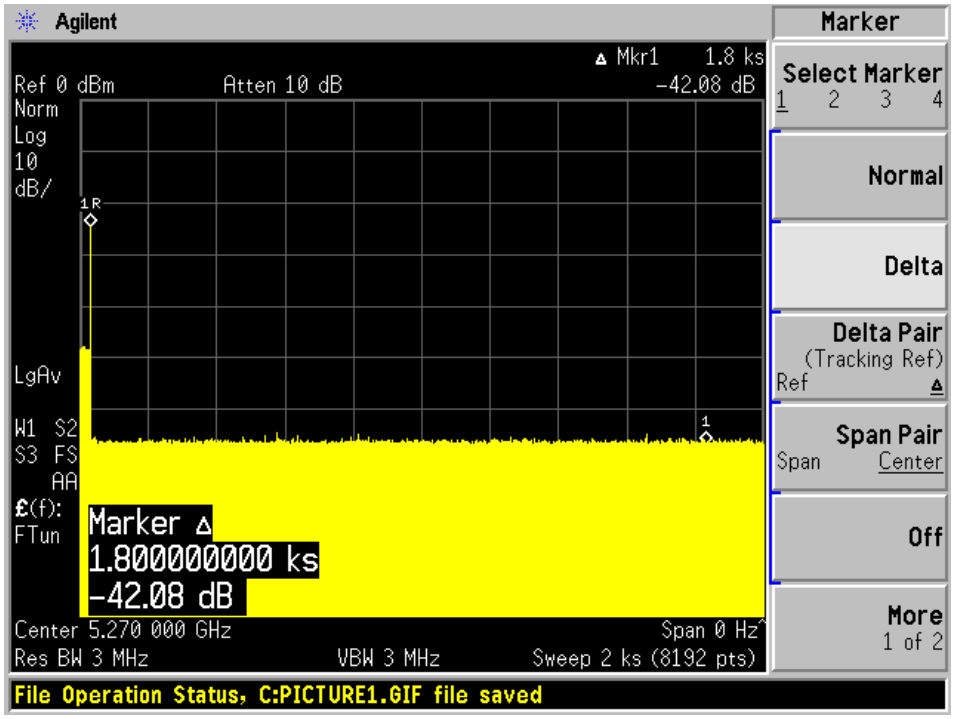
Measure the EUT for more than 30 minutes following the channel close/move time to very that the EUT does not resume any transmissions on this channel. Provide one plot to demonstrate no transmission on the channel for the non-occupancy period (30 minutes observation time)

8.2 Test Results

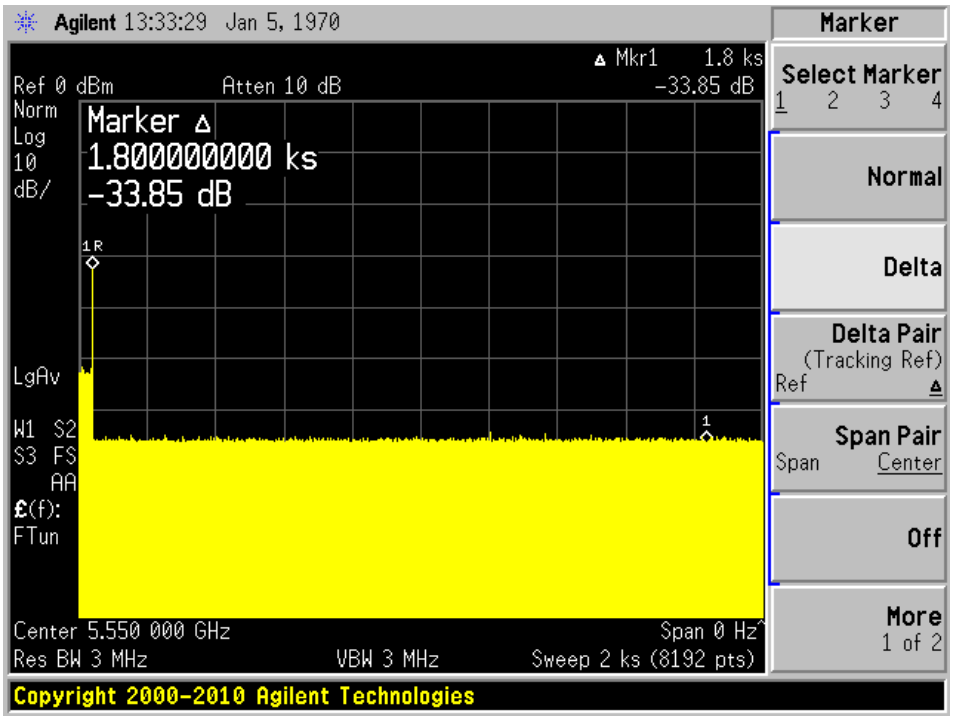
Frequency (MHz)	Bandwidth (MHz)	Spectrum Analyzer Display
5270	40	No transmission within 30 minutes
5550	40	No transmission within 30 minutes

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 Test Results

Frequency (MHz)	F_L (MHz)	F_H (MHz)	Detection Bandwidth (MHz)	Minimum Limit	Result
5270	5252	5288	36	80%	Compliance
5550	5532	5568	36	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 (%)**
5251	0	0	0	0	0	0	0	0	0	0	0 %
5252(F_L)	1	1	1	1	1	1	1	1	1	1	100 %
5254	1	1	1	1	1	1	1	1	1	1	100 %
5256	1	1	1	1	1	1	1	1	1	1	100 %
5258	1	1	1	1	1	1	0	1	1	1	90 %
5260	1	1	1	1	1	1	1	1	1	1	100 %
5262	1	1	1	1	1	1	1	1	1	1	100 %
5264	1	1	1	1	1	1	1	1	1	1	100 %
5266	1	1	1	1	1	1	1	1	1	1	100 %
5268	1	1	1	1	0	1	1	1	1	1	90 %
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	1	1	1	1	1	1	1	100 %
5280	1	1	1	1	1	1	1	1	1	1	100 %
5282	1	1	1	1	1	1	1	1	1	1	100 %
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	0	1	1	1	1	1	1	90 %
5289	0	0	0	0	0	0	0	0	0	0	0 %
Detection Bandwidth = $F_H - F_L$ = 5288-5252 = 36 MHz											
EUT 99% BW = 32.24 ; 32.24 * 80% = 25.792 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	0	1	1	1	1	90 %
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 = 32.4 MHz; 37.92 * 80% = 25.92 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%

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

Result:

F = 5270 MHz

Radar Signal Type	Waveform/Trial Number	Detection (%)	Limit (%)	Pass/Fail
Type 1	30	93.3 %	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	98.325 %	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	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	0
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	0
30	5270	18	1	1428	1
Detection Percentage: 93.3 % (>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	23	1	152	1
2	5270	23	1.6	187	1
3	5270	24	3.4	188	1
4	5270	28	3.1	221	1
5	5270	26	4.6	228	1
6	5270	26	1.6	153	1
7	5270	27	4.2	188	1
8	5270	26	3.1	213	1
9	5270	29	3.5	224	1
10	5270	27	2	223	1
11	5270	23	2	209	1
12	5270	24	1.1	218	1
13	5270	28	2.7	176	1
14	5270	26	2.8	163	1
15	5270	27	3	175	1
16	5270	27	3	229	1
17	5270	27	2.1	191	1
18	5270	25	1.6	209	1
19	5270	28	3.1	219	1
20	5270	23	4	217	1
21	5270	29	2.6	208	1
22	5270	29	3.4	192	1
23	5270	25	3.8	188	1
24	5270	25	3.8	185	1
25	5270	24	2.7	198	1
26	5270	25	2.2	188	1
27	5270	25	3	165	1
28	5270	26	4.8	225	1
29	5270	24	2.3	188	1
30	5270	27	2.3	230	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	9.2	496	1
2	5270	17	7.9	255	1
3	5270	18	8.5	249	1
4	5270	18	7.6	500	1
5	5270	17	8.5	354	1
6	5270	17	8.9	476	1
7	5270	16	7	204	1
8	5270	16	7.6	389	1
9	5270	17	9.9	497	1
10	5270	16	6.6	494	1
11	5270	17	7.3	328	1
12	5270	16	9.7	201	1
13	5270	18	9.3	374	1
14	5270	17	7.8	351	1
15	5270	18	6.7	321	1
16	5270	16	9.1	321	1
17	5270	18	9.6	367	1
18	5270	16	8.9	205	1
19	5270	16	6.3	326	1
20	5270	16	8.1	369	1
21	5270	16	8.9	333	1
22	5270	18	6.4	219	1
23	5270	18	8.6	238	1
24	5270	18	9.6	264	1
25	5270	18	8.2	318	1
26	5270	17	9.7	386	1
27	5270	18	9.4	494	1
28	5270	17	7.1	215	1
29	5270	17	6.9	455	1
30	5270	17	8.1	271	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	13	15.6	249	1
2	5270	12	19.8	472	1
3	5270	15	14	200	1
4	5270	12	18.5	315	1
5	5270	15	19.1	462	1
6	5270	16	17.2	438	1
7	5270	16	13.1	464	1
8	5270	16	16.3	398	1
9	5270	14	19.1	468	1
10	5270	14	11.1	340	1
11	5270	12	18.2	263	1
12	5270	12	12.8	338	1
13	5270	12	17.7	486	1
14	5270	16	19.7	485	1
15	5270	16	13.5	462	1
16	5270	12	18.1	419	1
17	5270	12	13.9	492	1
18	5270	14	17.1	235	1
19	5270	14	11.8	477	1
20	5270	16	17.2	356	1
21	5270	16	12.2	308	1
22	5270	16	19.4	382	1
23	5270	13	19.4	468	1
24	5270	13	18.5	322	1
25	5270	12	17.5	474	1
26	5270	15	12	360	1
27	5270	14	17	402	1
28	5270	14	12	273	1
29	5270	12	19.5	373	1
30	5270	12	15.8	204	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	1	11	70.7			0.751618	1
1	1	6	63.7			1.282772	
2	2	19	58.6	1959		2.5315	
3	2	9	71.9	1594		3.686675	
4	2	17	67.5	1200		4.646319	
5	1	16	60.2			5.769998	
6	3	17	89.7	1446	1669	6.193589	
7	3	14	74.9	1601	1877	7.504404	
8	2	18	96.9	1672		8.049046	
9	1	16	99.7			9.285829	
10	2	20	69.1	1917		10.818348	
11	3	11	96.7	1717	1310	11.045312	

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	8	95.5	1808	1249	0.274163	1
1	1	11	88.8			1.623092	
2	3	8	59.5	1593	1145	2.854161	
3	2	19	54.4	1813		3.848275	
4	3	7	56.5	1716	1609	4.163084	
5	2	17	99.8	1658		5.082102	
6	1	6	71.4			6.698728	
7	2	19	67.4	1379		7.450384	
8	2	15	80.8	1013		8.286557	
9	3	16	87.1	1110	1157	9.252866	
10	1	12	93.2			10.926948	
11	2	11	76.2	1405		11.212295	

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	8	76.5	1066		0.106395	
1	2	12	76	1505		1.225683	
2	3	7	82	1022	1551	2.958789	
3	2	17	82.2	1108		3.694782	
4	1	18	63.4			4.858288	
5	3	17	69.4	1675	1742	5.906156	1
6	1	12	82.6			6.548163	
7	2	8	87.8	1144		8.281303	
8	2	6	75.1	1168		8.798052	
9	1	20	88			10.130162	
10	2	19	55.9	1491		11.314389	

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	17	57.8	1465		0.486034	
1	1	18	66.5			1.23775	
2	3	13	85.1	1896	1997	2.088999	
3	2	7	60.3	1441		2.840773	
4	2	10	58.6	1965		4.524069	
5	2	13	74.6	1281		4.659703	
6	2	20	69.8	1914		6.297019	1
7	1	19	92.1			6.63928	
8	1	18	81.7			7.812092	
9	2	16	91.4	1448		8.771831	
10	2	7	91	1052		9.839472	
11	3	12	81	1110	1338	10.253041	
12	2	18	63.6	1876		11.506304	

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	1	13	80.6			0.229892	1
1	2	10	73.2	1567		1.947409	
2	2	17	96.1	1552		2.844815	
3	1	13	80.2			3.693503	
4	2	18	52.3	1035		5.81641	
5	2	18	58.2	1414		6.519815	
6	1	7	90.5			7.38285	
7	2	15	93.5	1827		8.471783	
8	1	10	50.7			10.136755	
9	1	13	67.4			11.433142	

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	13	96.5	1143		0.378231	1
1	3	19	73.2	1262	1454	1.048075	
2	2	7	73.4	1752		1.759362	
3	1	16	90.9			3.29905	
4	1	10	92.1			3.818823	
5	2	18	74.3	1167		4.325182	
6	1	19	100			5.470107	
7	1	8	84.6			6.281026	
8	2	19	60.2	1327		7.163647	
9	1	9	65.7			8.128809	
10	2	11	68.4	1704		9.338988	
11	3	8	92.1	1282	1140	9.6483	
12	2	17	71.1	1469		10.516113	
13	2	7	90.3	1123		11.993938	

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	1	19	60.6			0.605723	
1	3	18	89.4	1894	1914	1.519363	
2	1	8	92.5			2.098411	
3	3	11	93.9	1248	1353	2.424008	
4	1	19	64.8			3.268981	
5	2	11	58.1	1971		4.327372	
6	3	19	90.5	1401	1427	5.273324	
7	2	15	80.2	1944		6.289339	1
8	1	8	88.2			6.545154	
9	2	11	75.5	1630		7.204381	
10	2	19	94.7	1989		8.214039	
11	3	13	62.4	1089	1668	9.127494	
12	2	5	87.7	1963		10.277299	
13	3	12	89.4	1218	1120	10.900381	
14	3	20	86.1	1263	1623	11.680598	

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	2	16	78.3	1991		0.375175	
1	1	14	92.6			2.504266	
2	2	15	79.8	1950		2.703923	
3	3	12	77	1346	1060	4.270109	
4	1	18	85.7			6.539144	1
5	2	19	75.6	1579		7.446987	
6	3	7	96.6	1779	1211	8.632694	
7	3	6	84.7	1441	1683	9.929807	
8	2	5	73	1654		11.881108	

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	11	98.9	1337		0.404873	
1	2	6	58.4	1735		1.306523	
2	2	14	66.9	1725		2.652949	
3	2	19	55.6	1048		2.967714	
4	1	5	87.7			4.395061	
5	2	7	71.7	1982		4.865255	
6	1	13	53.8			6.394841	1
7	3	18	99.5	1271	1995	6.663978	
8	2	12	73.7	1760		7.407748	
9	1	11	52			8.534375	
10	2	12	87.8	1757		9.307558	
11	2	12	89.4	1001		10.438472	
12	2	13	84.2	1849		11.223127	

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	2	7	70.3	1776		0.258679	
1	2	9	52.1	1354		1.579927	
2	1	10	69.6			2.73571	
3	3	17	73	1855	1788	3.722393	
4	2	16	90.9	1936		4.415143	
5	1	8	83.9			5.371925	
6	2	12	59.9	1731		6.506081	1
7	2	19	56.8	1531		7.910645	
8	2	7	52.4	1749		8.241134	
9	2	9	52.7	1474		9.550344	
10	3	12	64.6	1923	1237	10.542703	
11	1	18	79.5			11.775508	

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	1	20	79.7			0.409337	1
1	3	10	89.7	1985	1689	0.623973	
2	2	13	85.4	1009		1.511541	
3	1	7	64.7			2.001847	
4	2	13	65.7	1945		2.494239	
5	2	5	62.2	1217		3.031416	
6	2	18	68.5	1868		4.071803	
7	1	9	50.4			4.323919	
8	2	11	62.2	1071		5.1594	
9	3	16	76	1913	1648	5.567014	
10	1	10	93.5			6.589139	
11	2	11	84	1953		7.156287	
12	1	8	76.6			7.753041	
13	2	17	65.1	1190		8.032182	
14	3	14	61.6	1251	1224	8.823918	
15	3	15	94.1	1903	1008	9.162319	
16	1	9	87.3			10.152812	
17	2	19	68.9	1231		10.381724	
18	2	5	97.6	1843		11.099941	
19	2	7	72.8	1764		11.980309	

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	9	89.9	1606		0.198661	
1	3	7	64.9	1393	1497	1.036626	
2	1	9	81.7			1.859415	
3	3	18	64.2	1798	1934	1.951928	
4	3	9	92.2	1937	1064	2.806927	
5	3	15	75.4	1663	1579	3.251615	
6	2	8	54	1724		4.260337	
7	2	14	78.3	1284		4.711796	
8	2	14	82.8	1180		5.375241	
9	2	7	62.9	1495		6.248788	1
10	2	17	86.1	1635		6.783293	
11	2	17	72.6	1381		7.40897	
12	2	8	57.4	1858		7.924917	
13	2	12	57.8	1060		8.460878	
14	3	7	51	1024	1847	9.08782	
15	2	15	83.8	1583		9.692659	
16	2	9	54.1	1890		10.178741	
17	1	16	79.7			10.753228	
18	3	11	93.9	1466	1100	11.566138	

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	2	20	83.7	1644		0.243753	
1	3	10	65.4	1192	1947	1.263131	
2	2	16	74.1	1996		2.550677	
3	2	15	80.6	1836		2.814569	
4	2	13	76	1786		4.211446	
5	1	13	56			5.182307	
6	3	18	99.9	1738	1627	6.445245	1
7	1	7	92.1			6.468743	
8	3	18	52	1531	1277	7.680988	
9	2	13	95.8	1856		9.099808	
10	2	6	71.9	1297		10.007629	
11	3	9	63.6	1327	1426	10.509091	
12	2	7	64.6	1739		11.232447	

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	14	55.8	1833		0.134986	
1	3	17	65	1009	1618	0.93283	
2	2	16	79.3	1344		1.881171	
3	2	6	67.7	1220		2.069511	
4	1	14	78.1			2.961057	
5	2	11	52.3	1245		3.587528	
6	2	17	94.8	1682		4.157314	
7	2	15	93	1725		4.771679	
8	2	11	50.1	1862		5.252804	
9	2	16	71.1	1637		6.249768	1
10	1	7	53.4			6.506998	
11	2	6	69.1	1598		7.547446	
12	3	12	57	1794	1904	8.190943	
13	3	19	93.9	1103	1059	8.490642	
14	1	6	74.9			9.215976	
15	2	12	80.2	1234		9.604465	
16	2	9	83.2	1530		10.537976	
17	1	19	65.5			10.973187	
18	2	9	78.1	1402		11.549946	

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	17	93.4	1390	1597	0.779895	
1	1	18	74			1.824864	
2	2	18	52.5	1761		4.275376	
3	1	18	67			5.008062	1
4	2	18	54	1132		7.304679	
5	2	6	94	1361		8.413987	
6	2	18	84.4	1790		10.249117	
7	2	12	60.4	1809		10.682162	

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	16	59.2	1228		0.639375	1
1	2	6	82.7	1305		2.787451	
2	3	8	90.5	1572	1511	3.905423	
3	2	17	99.6	1704		5.758755	
4	2	13	98	1368		7.248671	
5	3	7	91.8	1490	1904	8.672846	
6	1	12	91.4			10.439541	
7	2	8	80.5	1432		11.135718	

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	9	53.2			0.373119	1
1	1	5	90.4			1.365488	
2	1	9	71			1.468031	
3	2	13	63.3	1449		2.447925	
4	2	5	69.1	1929		3.239347	
5	3	6	81	1021	1639	4.093152	
6	3	13	87.9	1651	1533	4.430601	
7	3	12	80.4	1031	1202	5.596608	
8	1	8	90.1			5.926326	
9	2	18	69.6	1192		6.493676	
10	2	9	85.2	1944		7.434328	
11	3	13	58.5	1835	1761	8.325788	
12	3	19	56.2	1889	1209	8.997806	
13	3	14	76.6	1845	1339	9.463988	
14	3	18	56.2	1702	1015	9.920395	
15	2	5	74.6	1699		11.065384	
16	3	16	67.1	1640	1645	11.702671	

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	3	17	93	1304	1671	0.259574	1
1	3	12	89.5	1960	1819	1.540149	
2	3	19	77.3	1160	1430	2.184366	
3	2	6	71.6	1936		2.712346	
4	3	6	56.9	1788	1796	3.596309	
5	3	5	94.1	1991	1742	4.815702	
6	2	15	97.4	1012		5.758753	
7	2	8	86.5	1129		6.414549	
8	1	10	76			7.554823	
9	3	7	93	1018	1565	8.118739	
10	2	19	61.6	1568		8.949583	
11	2	14	84.1	1092		9.53605	
12	2	20	62.9	1829		10.71586	
13	2	12	88.9	1411		11.166385	

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	1	7	83			0.652039	1
1	2	8	51.9	1198		0.771483	
2	3	10	91.7	1864	1567	1.64693	
3	1	12	52.5			2.432199	
4	3	13	57.1	1933	1928	2.757709	
5	2	16	89.2	1290		3.898587	
6	1	16	56.2			4.090319	
7	2	5	78.8	1618		4.953137	
8	3	16	90.1	1615	1051	5.802143	
9	2	6	88.2	1393		6.406843	
10	1	19	89.9			7.102834	
11	3	6	77.6	1940	1976	7.877566	
12	2	9	59.5	1232		8.420147	
13	1	17	98.1			9.123915	
14	1	7	97.1			9.611326	
15	2	11	82.8	1638		10.250386	
16	2	6	84	1597		10.942084	
17	3	7	95	1670	1284	11.646011	

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	3	8	66.9	1818	1891	0.075546	
1	3	6	97.5	1424	1973	1.175497	
2	2	5	78.7	1460		1.762747	
3	1	9	84.4			2.351163	
4	2	19	98.1	1629		3.061171	
5	3	14	90.7	1125	1009	3.758938	
6	3	16	66.2	1203	1422	4.868984	
7	3	8	80.9	1760	1737	5.416191	
8	1	5	52.1			5.831702	1
9	2	15	90.7	1211		6.541367	
10	3	14	57.1	1486	1232	7.563403	
11	1	6	79			7.845784	
12	1	9	78.2			8.530067	
13	3	11	66.1	1092	1987	9.780947	
14	2	11	53.7	1595		9.887856	
15	2	10	53.5	1342		10.928487	
16	2	7	60.1	1492		11.300733	

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	19	64.3	1001		0.561461	
1	2	14	63.4	1005		1.336596	
2	3	13	83.6	1749	1117	1.969514	
3	3	11	50.6	1495	1811	2.409455	
4	2	13	59.5	1140		3.088599	
5	1	15	86.4			3.895751	
6	2	13	50.6	1378		4.737503	
7	3	14	79.8	1914	1646	5.483009	
8	1	9	91.9			6.120081	1
9	3	13	50.9	1101	1542	6.397261	
10	2	7	62.7	1459		7.385311	
11	3	16	67.9	1405	1431	8.248118	
12	2	12	62.8	1697		8.955638	
13	2	6	57.1	1391		9.664137	
14	2	16	61.7	1292		9.887547	
15	3	6	58.3	1629	1313	10.973141	
16	1	8	66.4			11.389609	

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	9	60			0.00908	1
1	3	11	99.2	1789	1322	1.570915	
2	1	20	72.8			1.84577	
3	2	5	86.6	1397		3.197302	
4	1	6	64.1			3.82543	
5	2	9	58.6	1343		5.03458	
6	2	10	69.2	1971		5.272361	
7	2	16	81.4	1821		6.290205	
8	2	9	50.1	1493		7.567839	
9	3	20	84.3	1753	1109	8.115273	
10	3	19	82.8	1809	1344	8.845958	
11	2	11	98	1913		9.606545	
12	1	18	61.7			10.855301	
13	2	7	89.8	1460		11.887818	

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	17	98.1	1197		0.504141	1
1	3	16	82.4	1182	1103	1.271604	
2	2	15	56.4	1246		1.853111	
3	2	18	82	1769		2.353719	
4	3	7	50.2	1819	1250	3.038864	
5	2	7	57.6	1395		3.386842	
6	1	15	58			4.369523	
7	3	9	74.2	1705	1705	4.877428	
8	2	6	60.5	1619		5.742934	
9	2	16	67.6	1025		6.1155	
10	2	20	89.6	1551		7.304775	
11	2	13	92.8	1660		7.741319	
12	1	7	97.9			8.165901	
13	1	6	57.3			9.102289	
14	1	19	88.5			9.962407	
15	2	16	52.4	1313		10.237057	
16	2	13	52.4	1681		10.67607	
17	2	19	54.6	1266		11.390354	

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	1	11	98.3			0.158533	1
1	2	14	76.6	1942		1.844324	
2	1	8	86.8			2.917466	
3	2	15	51.2	1014		4.013449	
4	3	10	82.6	1385	1588	4.838193	
5	1	17	89.6			6.187968	
6	3	15	81.9	1009	1904	8.190679	
7	2	15	60	1349		9.471635	
8	1	16	73.1			10.606204	
9	3	6	83	1842	1550	11.184477	

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	17	92	1497		0.060833	1
1	1	9	82.8			0.638783	
2	1	14	81.1			1.440986	
3	2	14	92.4	1919		2.149105	
4	1	14	62.6			2.828608	
5	2	10	50.5	1701		3.516963	
6	2	10	68.2	1851		3.708997	
7	3	5	53.1	1289	1461	4.709492	
8	3	18	82.3	1300	1875	5.28756	
9	1	19	55.1			5.473035	
10	2	15	99.4	1723		6.408946	
11	2	20	51	1273		6.8518	
12	3	12	88.4	1617	1764	7.485553	
13	1	14	88.7			7.894805	
14	1	10	59.7			8.450713	
15	3	20	87.4	1613	1014	9.28775	
16	2	16	89.8	1984		9.855172	
17	2	19	56.6	1617		10.421429	
18	1	14	96			11.094297	
19	2	16	55	1509		11.468736	

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	19	65.7	1289		0.135331	
1	2	9	98.5	1120		1.797476	
2	2	5	56.2	1891		2.212838	
3	2	14	59.5	1622		3.584128	
4	3	15	52.7	1446	1385	5.212818	
5	2	12	97.2	1082		6.169989	1
6	2	20	60.8	1327		7.291832	
7	2	17	83.8	1241		8.238247	
8	3	11	97.5	1285	1814	9.347154	
9	1	6	77.1			10.561073	
10	3	9	73.9	1046	1665	11.222342	

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	15	51.9	1696		0.638679	
1	2	17	93.2	1901		2.294904	
2	3	19	62.2	1675	1402	3.83471	
3	3	11	92.1	1520	1636	4.419285	
4	2	7	69.4	1823		6.516902	1
5	3	12	75.9	1525	1016	7.989732	
6	1	18	55.5			8.7627	
7	2	19	67	1308		10.606174	
8	2	18	69.7	1339		11.933017	

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	11	76.2	1642	1012	0.683588	
1	3	9	50	1459	1527	1.692732	
2	1	6	65.9			2.738264	
3	2	19	52.7	1046		4.319179	
4	2	6	55	1412		5.543825	1
5	3	8	61.9	1808	1025	7.589794	
6	1	5	68.4			8.076608	
7	3	17	72	1020	1124	10.603934	
8	1	10	94.4			11.524226	

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	5	65.8			0.44775	
1	2	11	68.7	1087		0.872491	
2	2	14	69.8	1276		2.357373	
3	2	9	63.3	1105		3.027642	
4	3	19	76.9	1080	1145	3.788281	
5	2	6	76.9	1616		4.120975	
6	2	6	59.3	1837		5.153969	
7	1	11	86.2			5.774441	1
8	3	18	98.8	1554	1342	6.808189	
9	2	7	72.5	1201		7.759156	
10	1	10	77.1			8.653461	
11	2	10	53.9	1661		9.149651	
12	3	19	79.2	1068	1754	10.004556	
13	2	18	67.6	1098		11.073961	
14	2	9	87.7	1069		11.694499	

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	10	66.2			0.230365	1
1	2	7	66.1	1359		1.400774	
2	2	15	95.9	1934		1.501879	
3	3	11	92.3	1494	1181	2.564741	
4	1	18	83.7			3.609877	
5	2	12	98.6	1246		3.799635	
6	3	8	97.3	1410	1161	4.982071	
7	2	9	82.2	1819		5.939121	
8	2	18	97.2	1277		6.246226	
9	3	10	63.6	1913	1589	7.224177	
10	3	6	55.7	1534	1018	7.673802	
11	1	14	50.7			8.776734	
12	1	19	64.9			9.015243	
13	1	15	54.1			10.494038	
14	1	8	85.5			11.141085	
15	2	17	71.1	1246		11.57864	

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	5603.0, 5349.0, 5523.0, 5303.0, 5380.0, 5707.0, 5409.0, 5537.0, 5574.0, 5623.0, 5359.0, 5320.0, 5472.0, 5275.0, 5549.0, 5336.0, 5456.0, 5618.0, 5551.0, 5318.0, 5390.0, 5717.0, 5256.0, 5264.0, 5610.0, 5634.0, 5363.0, 5692.0, 5433.0, 5255.0, 5467.0, 5724.0, 5588.0, 5491.0, 5364.0, 5466.0, 5502.0, 5606.0, 5683.0, 5298.0, 5611.0, 5570.0, 5279.0, 5672.0, 5525.0, 5391.0, 5520.0, 5622.0, 5569.0, 5700.0, 5694.0, 5583.0, 5384.0, 5429.0, 5260.0, 5641.0, 5546.0, 5644.0, 5374.0, 5685.0, 5535.0, 5300.0, 5567.0, 5301.0, 5402.0, 5493.0, 5418.0, 5474.0, 5621.0, 5487.0, 5476.0, 5500.0, 5637.0, 5258.0, 5452.0, 5573.0, 5555.0, 5704.0, 5450.0, 5457.0, 5308.0, 5674.0, 5352.0, 5536.0, 5715.0, 5345.0, 5490.0, 5668.0, 5400.0, 5430.0, 5425.0, 5477.0, 5695.0, 5498.0, 5614.0, 5636.0, 5481.0, 5369.0, 5541.0, 5609.0 (number of hits: 5)
2	5270	9	1	333	1	5617.0, 5499.0, 5328.0, 5416.0, 5450.0, 5314.0, 5486.0, 5466.0, 5558.0, 5437.0, 5570.0, 5713.0, 5475.0, 5477.0, 5359.0, 5519.0, 5421.0, 5630.0, 5267.0, 5454.0, 5559.0, 5634.0, 5697.0, 5399.0, 5280.0, 5321.0, 5582.0, 5701.0, 5589.0, 5273.0, 5331.0, 5563.0, 5560.0, 5403.0, 5689.0, 5648.0, 5524.0, 5485.0, 5368.0, 5260.0, 5438.0, 5574.0, 5422.0, 5352.0, 5365.0, 5624.0, 5650.0, 5384.0, 5457.0, 5672.0, 5350.0, 5578.0, 5439.0, 5373.0, 5258.0, 5659.0, 5497.0, 5349.0, 5297.0, 5546.0, 5619.0, 5295.0, 5517.0, 5656.0, 5596.0, 5418.0, 5700.0, 5537.0, 5583.0, 5419.0, 5265.0, 5591.0, 5542.0, 5609.0, 5547.0, 5336.0, 5445.0, 5601.0, 5614.0, 5580.0, 5585.0, 5288.0, 5319.0, 5687.0, 5303.0, 5294.0, 5518.0, 5572.0, 5709.0, 5639.0, 5282.0, 5429.0, 5576.0, 5298.0, 5690.0, 5599.0, 5566.0, 5401.0, 5447.0, 5400.0 (number of hits: 7)
3	5270	9	1	333	1	5467.0, 5605.0, 5542.0, 5534.0, 5416.0, 5313.0, 5280.0, 5514.0, 5600.0, 5646.0, 5567.0, 5308.0, 5309.0, 5256.0, 5582.0, 5276.0, 5565.0, 5476.0, 5417.0, 5257.0, 5628.0, 5439.0, 5707.0, 5374.0, 5488.0, 5525.0, 5300.0, 5592.0, 5537.0, 5414.0, 5328.0, 5267.0, 5420.0, 5522.0, 5387.0, 5277.0, 5489.0, 5486.0, 5441.0, 5370.0, 5386.0, 5311.0, 5381.0, 5333.0, 5593.0, 5454.0, 5437.0, 5655.0, 5342.0, 5432.0, 5684.0, 5651.0, 5589.0, 5501.0, 5286.0,

						5475.0, 5652.0, 5254.0, 5316.0, 5402.0, 5345.0, 5520.0, 5687.0, 5298.0, 5399.0, 5487.0, 5637.0, 5363.0, 5564.0, 5521.0, 5495.0, 5453.0, 5558.0, 5643.0, 5691.0, 5352.0, 5278.0, 5541.0, 5685.0, 5397.0, 5604.0, 5617.0, 5615.0, 5266.0, 5550.0, 5404.0, 5511.0, 5287.0, 5669.0, 5608.0, 5478.0, 5527.0, 5588.0, 5279.0, 5393.0, 5464.0, 5683.0, 5343.0, 5562.0, 5515.0 (number of hits: 8)
4	5270	9	1	333	1	5318.0, 5501.0, 5701.0, 5489.0, 5599.0, 5523.0, 5632.0, 5618.0, 5530.0, 5629.0, 5484.0, 5598.0, 5365.0, 5594.0, 5693.0, 5418.0, 5266.0, 5695.0, 5590.0, 5429.0, 5541.0, 5372.0, 5625.0, 5468.0, 5578.0, 5538.0, 5456.0, 5548.0, 5352.0, 5617.0, 5710.0, 5559.0, 5411.0, 5575.0, 5490.0, 5515.0, 5320.0, 5488.0, 5633.0, 5364.0, 5577.0, 5346.0, 5348.0, 5624.0, 5378.0, 5415.0, 5597.0, 5362.0, 5650.0, 5653.0, 5607.0, 5665.0, 5439.0, 5388.0, 5430.0, 5463.0, 5657.0, 5359.0, 5526.0, 5612.0, 5331.0, 5637.0, 5491.0, 5304.0, 5532.0, 5556.0, 5305.0, 5662.0, 5337.0, 5525.0, 5323.0, 5454.0, 5336.0, 5522.0, 5553.0, 5545.0, 5589.0, 5533.0, 5600.0, 5373.0, 5669.0, 5277.0, 5312.0, 5613.0, 5475.0, 5303.0, 5445.0, 5483.0, 5567.0, 5376.0, 5256.0, 5714.0, 5671.0, 5451.0, 5511.0, 5655.0, 5442.0, 5401.0, 5563.0, 5529.0 (number of hits: 4)
5	5270	9	1	333	1	5524.0, 5410.0, 5390.0, 5253.0, 5707.0, 5292.0, 5543.0, 5673.0, 5717.0, 5661.0, 5667.0, 5609.0, 5509.0, 5708.0, 5682.0, 5322.0, 5312.0, 5448.0, 5427.0, 5591.0, 5467.0, 5658.0, 5503.0, 5259.0, 5359.0, 5313.0, 5555.0, 5660.0, 5470.0, 5639.0, 5441.0, 5272.0, 5499.0, 5454.0, 5594.0, 5376.0, 5405.0, 5346.0, 5636.0, 5665.0, 5363.0, 5477.0, 5535.0, 5589.0, 5332.0, 5630.0, 5377.0, 5420.0, 5250.0, 5465.0, 5506.0, 5429.0, 5551.0, 5372.0, 5424.0, 5408.0, 5556.0, 5324.0, 5614.0, 5366.0, 5433.0, 5502.0, 5566.0, 5576.0, 5640.0, 5539.0, 5698.0, 5277.0, 5662.0, 5309.0, 5402.0, 5588.0, 5525.0, 5704.0, 5266.0, 5723.0, 5478.0, 5255.0, 5395.0, 5618.0, 5256.0, 5297.0, 5487.0, 5261.0, 5343.0, 5302.0, 5690.0, 5674.0, 5367.0, 5631.0, 5374.0, 5545.0, 5629.0, 5579.0, 5529.0, 5542.0, 5443.0, 5676.0, 5563.0, 5547.0 (number of hits: 6)
6	5270	9	1	333	1	5541.0, 5348.0, 5378.0, 5510.0, 5488.0, 5377.0, 5407.0, 5372.0, 5323.0, 5434.0, 5256.0, 5723.0, 5525.0, 5550.0, 5307.0, 5713.0, 5564.0, 5292.0, 5592.0, 5466.0, 5394.0, 5575.0, 5690.0, 5539.0, 5520.0, 5296.0, 5445.0, 5349.0, 5626.0, 5653.0, 5556.0, 5674.0, 5498.0, 5536.0, 5650.0,

						5708.0, 5506.0, 5699.0, 5562.0, 5625.0, 5495.0, 5526.0, 5698.0, 5481.0, 5458.0, 5411.0, 5361.0, 5651.0, 5325.0, 5511.0, 5493.0, 5316.0, 5452.0, 5654.0, 5365.0, 5612.0, 5443.0, 5308.0, 5322.0, 5417.0, 5622.0, 5513.0, 5624.0, 5578.0, 5640.0, 5609.0, 5606.0, 5591.0, 5426.0, 5711.0, 5305.0, 5719.0, 5362.0, 5430.0, 5515.0, 5271.0, 5547.0, 5339.0, 5415.0, 5528.0, 5483.0, 5532.0, 5347.0, 5668.0, 5659.0, 5435.0, 5467.0, 5363.0, 5642.0, 5381.0, 5671.0, 5500.0, 5616.0, 5676.0, 5490.0, 5672.0, 5563.0, 5514.0, 5268.0, 5418.0 (number of hits: 5)
7	5270	9	1	333	1	5723.0, 5589.0, 5325.0, 5326.0, 5430.0, 5323.0, 5297.0, 5298.0, 5629.0, 5414.0, 5680.0, 5718.0, 5286.0, 5537.0, 5617.0, 5322.0, 5484.0, 5478.0, 5517.0, 5647.0, 5415.0, 5419.0, 5453.0, 5547.0, 5273.0, 5625.0, 5367.0, 5592.0, 5696.0, 5468.0, 5363.0, 5645.0, 5719.0, 5483.0, 5535.0, 5337.0, 5671.0, 5555.0, 5513.0, 5509.0, 5717.0, 5522.0, 5444.0, 5604.0, 5594.0, 5508.0, 5335.0, 5545.0, 5397.0, 5549.0, 5426.0, 5578.0, 5635.0, 5642.0, 5666.0, 5344.0, 5709.0, 5374.0, 5715.0, 5352.0, 5371.0, 5621.0, 5455.0, 5631.0, 5353.0, 5678.0, 5423.0, 5694.0, 5667.0, 5669.0, 5402.0, 5495.0, 5445.0, 5408.0, 5398.0, 5299.0, 5579.0, 5379.0, 5596.0, 5315.0, 5491.0, 5407.0, 5675.0, 5263.0, 5580.0, 5438.0, 5543.0, 5656.0, 5293.0, 5343.0, 5252.0, 5435.0, 5433.0, 5345.0, 5630.0, 5272.0, 5690.0, 5531.0, 5467.0, 5472.0 (number of hits: 5)
8	5270	9	1	333	1	5484.0, 5430.0, 5343.0, 5697.0, 5642.0, 5594.0, 5387.0, 5439.0, 5629.0, 5471.0, 5653.0, 5723.0, 5477.0, 5427.0, 5536.0, 5585.0, 5687.0, 5679.0, 5265.0, 5436.0, 5375.0, 5305.0, 5405.0, 5435.0, 5296.0, 5390.0, 5304.0, 5298.0, 5407.0, 5495.0, 5440.0, 5330.0, 5357.0, 5685.0, 5598.0, 5539.0, 5654.0, 5465.0, 5455.0, 5691.0, 5342.0, 5370.0, 5614.0, 5663.0, 5651.0, 5335.0, 5499.0, 5416.0, 5514.0, 5580.0, 5576.0, 5397.0, 5358.0, 5401.0, 5587.0, 5650.0, 5251.0, 5486.0, 5297.0, 5508.0, 5374.0, 5605.0, 5611.0, 5713.0, 5581.0, 5420.0, 5701.0, 5501.0, 5545.0, 5620.0, 5478.0, 5602.0, 5483.0, 5410.0, 5351.0, 5595.0, 5303.0, 5704.0, 5406.0, 5703.0, 5577.0, 5274.0, 5257.0, 5518.0, 5466.0, 5641.0, 5678.0, 5494.0, 5541.0, 5599.0, 5468.0, 5408.0, 5694.0, 5636.0, 5542.0, 5547.0, 5404.0, 5526.0, 5365.0, 5337.0 (number of hits: 6)
9	5270	9	1	333	1	5403.0, 5716.0, 5334.0, 5268.0, 5506.0, 5287.0, 5720.0, 5428.0, 5551.0, 5271.0, 5554.0, 5516.0, 5484.0, 5705.0, 5596.0,

						5340.0, 5434.0, 5384.0, 5507.0, 5634.0, 5540.0, 5301.0, 5351.0, 5641.0, 5390.0, 5274.0, 5658.0, 5699.0, 5605.0, 5296.0, 5350.0, 5519.0, 5626.0, 5470.0, 5478.0, 5473.0, 5346.0, 5679.0, 5269.0, 5463.0, 5571.0, 5441.0, 5309.0, 5366.0, 5555.0, 5357.0, 5412.0, 5502.0, 5680.0, 5518.0, 5303.0, 5312.0, 5320.0, 5468.0, 5266.0, 5517.0, 5471.0, 5263.0, 5426.0, 5623.0, 5632.0, 5693.0, 5696.0, 5324.0, 5494.0, 5717.0, 5281.0, 5559.0, 5453.0, 5290.0, 5535.0, 5616.0, 5250.0, 5418.0, 5385.0, 5590.0, 5654.0, 5354.0, 5534.0, 5420.0, 5406.0, 5391.0, 5501.0, 5567.0, 5451.0, 5675.0, 5280.0, 5667.0, 5713.0, 5339.0, 5703.0, 5293.0, 5455.0, 5323.0, 5265.0, 5474.0, 5456.0, 5475.0, 5316.0, 5722.0 (number of hits: 8)
10	5270	9	1	333	1	5465.0, 5713.0, 5412.0, 5559.0, 5411.0, 5607.0, 5378.0, 5402.0, 5556.0, 5282.0, 5642.0, 5301.0, 5497.0, 5385.0, 5671.0, 5555.0, 5382.0, 5330.0, 5528.0, 5260.0, 5648.0, 5692.0, 5701.0, 5318.0, 5364.0, 5675.0, 5384.0, 5592.0, 5548.0, 5669.0, 5694.0, 5439.0, 5463.0, 5610.0, 5499.0, 5500.0, 5478.0, 5523.0, 5435.0, 5507.0, 5401.0, 5668.0, 5377.0, 5502.0, 5715.0, 5379.0, 5505.0, 5571.0, 5687.0, 5707.0, 5485.0, 5370.0, 5375.0, 5506.0, 5529.0, 5504.0, 5655.0, 5261.0, 5422.0, 5356.0, 5661.0, 5577.0, 5351.0, 5381.0, 5665.0, 5533.0, 5498.0, 5383.0, 5632.0, 5276.0, 5594.0, 5643.0, 5321.0, 5258.0, 5710.0, 5593.0, 5650.0, 5398.0, 5283.0, 5275.0, 5448.0, 5534.0, 5584.0, 5719.0, 5630.0, 5366.0, 5625.0, 5264.0, 5494.0, 5433.0, 5666.0, 5449.0, 5367.0, 5695.0, 5336.0, 5654.0, 5579.0, 5627.0, 5678.0, 5717.0 (number of hits: 1)
11	5270	9	1	333	1	5537.0, 5533.0, 5708.0, 5383.0, 5305.0, 5676.0, 5567.0, 5421.0, 5324.0, 5559.0, 5426.0, 5532.0, 5638.0, 5491.0, 5301.0, 5668.0, 5330.0, 5295.0, 5309.0, 5401.0, 5538.0, 5269.0, 5372.0, 5670.0, 5666.0, 5483.0, 5413.0, 5658.0, 5322.0, 5463.0, 5409.0, 5258.0, 5529.0, 5255.0, 5660.0, 5619.0, 5531.0, 5362.0, 5451.0, 5631.0, 5460.0, 5556.0, 5545.0, 5411.0, 5325.0, 5645.0, 5705.0, 5452.0, 5304.0, 5350.0, 5266.0, 5720.0, 5576.0, 5374.0, 5480.0, 5612.0, 5605.0, 5342.0, 5625.0, 5439.0, 5473.0, 5699.0, 5405.0, 5257.0, 5656.0, 5568.0, 5629.0, 5490.0, 5487.0, 5601.0, 5267.0, 5306.0, 5489.0, 5478.0, 5663.0, 5283.0, 5425.0, 5553.0, 5639.0, 5468.0, 5583.0, 5414.0, 5640.0, 5285.0, 5378.0, 5650.0, 5410.0, 5336.0, 5598.0, 5391.0, 5278.0, 5701.0, 5447.0, 5427.0, 5280.0, 5542.0, 5661.0, 5514.0, 5581.0, 5575.0

						(number of hits: 7)
12	5270	9	1	333	1	5427.0, 5610.0, 5632.0, 5620.0, 5504.0, 5250.0, 5540.0, 5476.0, 5346.0, 5685.0, 5428.0, 5631.0, 5699.0, 5485.0, 5432.0, 5388.0, 5706.0, 5349.0, 5375.0, 5440.0, 5642.0, 5435.0, 5514.0, 5290.0, 5719.0, 5300.0, 5354.0, 5565.0, 5370.0, 5381.0, 5406.0, 5401.0, 5342.0, 5643.0, 5568.0, 5576.0, 5627.0, 5329.0, 5557.0, 5542.0, 5551.0, 5256.0, 5344.0, 5338.0, 5563.0, 5606.0, 5615.0, 5341.0, 5562.0, 5584.0, 5588.0, 5696.0, 5579.0, 5396.0, 5559.0, 5508.0, 5268.0, 5598.0, 5637.0, 5629.0, 5515.0, 5495.0, 5404.0, 5254.0, 5395.0, 5423.0, 5424.0, 5683.0, 5499.0, 5574.0, 5618.0, 5360.0, 5498.0, 5253.0, 5493.0, 5652.0, 5483.0, 5692.0, 5311.0, 5715.0, 5709.0, 5630.0, 5285.0, 5522.0, 5358.0, 5317.0, 5569.0, 5417.0, 5544.0, 5605.0, 5552.0, 5517.0, 5531.0, 5656.0, 5397.0, 5322.0, 5593.0, 5298.0, 5521.0, 5712.0 (number of hits: 5)
13	5270	9	1	333	1	5504.0, 5563.0, 5610.0, 5710.0, 5389.0, 5449.0, 5537.0, 5593.0, 5705.0, 5592.0, 5404.0, 5587.0, 5257.0, 5648.0, 5664.0, 5557.0, 5526.0, 5544.0, 5502.0, 5564.0, 5355.0, 5701.0, 5444.0, 5311.0, 5528.0, 5369.0, 5673.0, 5461.0, 5552.0, 5657.0, 5346.0, 5633.0, 5566.0, 5646.0, 5300.0, 5272.0, 5665.0, 5601.0, 5620.0, 5398.0, 5660.0, 5297.0, 5396.0, 5638.0, 5625.0, 5604.0, 5376.0, 5283.0, 5436.0, 5430.0, 5330.0, 5359.0, 5310.0, 5304.0, 5384.0, 5485.0, 5556.0, 5617.0, 5326.0, 5520.0, 5387.0, 5562.0, 5515.0, 5345.0, 5263.0, 5409.0, 5574.0, 5551.0, 5627.0, 5394.0, 5488.0, 5415.0, 5262.0, 5721.0, 5555.0, 5656.0, 5474.0, 5511.0, 5623.0, 5522.0, 5464.0, 5717.0, 5629.0, 5560.0, 5690.0, 5519.0, 5336.0, 5483.0, 5433.0, 5367.0, 5308.0, 5260.0, 5403.0, 5575.0, 5373.0, 5692.0, 5291.0, 5423.0, 5661.0, 5412.0 (number of hits: 7)
14	5270	9	1	333	1	5429.0, 5544.0, 5457.0, 5608.0, 5710.0, 5343.0, 5432.0, 5434.0, 5302.0, 5378.0, 5332.0, 5336.0, 5273.0, 5709.0, 5375.0, 5303.0, 5698.0, 5288.0, 5625.0, 5651.0, 5647.0, 5339.0, 5311.0, 5516.0, 5687.0, 5500.0, 5658.0, 5559.0, 5384.0, 5289.0, 5335.0, 5641.0, 5271.0, 5527.0, 5673.0, 5352.0, 5683.0, 5274.0, 5702.0, 5591.0, 5477.0, 5578.0, 5393.0, 5331.0, 5555.0, 5257.0, 5346.0, 5453.0, 5401.0, 5405.0, 5619.0, 5480.0, 5614.0, 5529.0, 5330.0, 5708.0, 5577.0, 5509.0, 5722.0, 5437.0, 5407.0, 5604.0, 5637.0, 5254.0, 5716.0, 5623.0, 5269.0, 5340.0, 5600.0, 5564.0, 5502.0, 5630.0, 5581.0, 5291.0, 5363.0, 5560.0, 5677.0, 5598.0, 5518.0, 5258.0,

						5571.0, 5261.0, 5463.0, 5676.0, 5264.0, 5383.0, 5452.0, 5328.0, 5595.0, 5551.0, 5414.0, 5403.0, 5521.0, 5409.0, 5281.0, 5418.0, 5315.0, 5295.0, 5498.0, 5482.0 (number of hits: 7)
15	5270	9	1	333	1	5383.0, 5311.0, 5678.0, 5541.0, 5582.0, 5430.0, 5438.0, 5488.0, 5579.0, 5449.0, 5569.0, 5531.0, 5437.0, 5261.0, 5464.0, 5605.0, 5357.0, 5330.0, 5341.0, 5366.0, 5610.0, 5258.0, 5255.0, 5302.0, 5534.0, 5679.0, 5481.0, 5686.0, 5657.0, 5614.0, 5547.0, 5448.0, 5271.0, 5322.0, 5435.0, 5665.0, 5670.0, 5336.0, 5651.0, 5512.0, 5537.0, 5401.0, 5596.0, 5299.0, 5633.0, 5544.0, 5480.0, 5451.0, 5414.0, 5702.0, 5521.0, 5478.0, 5613.0, 5689.0, 5304.0, 5390.0, 5627.0, 5719.0, 5391.0, 5516.0, 5538.0, 5677.0, 5412.0, 5466.0, 5397.0, 5447.0, 5690.0, 5334.0, 5408.0, 5626.0, 5329.0, 5359.0, 5367.0, 5708.0, 5661.0, 5561.0, 5287.0, 5413.0, 5373.0, 5441.0, 5510.0, 5632.0, 5576.0, 5333.0, 5254.0, 5461.0, 5400.0, 5668.0, 5349.0, 5279.0, 5616.0, 5584.0, 5648.0, 5381.0, 5683.0, 5717.0, 5635.0, 5380.0, 5659.0, 5347.0 (number of hits: 5)
16	5270	9	1	333	1	5541.0, 5439.0, 5549.0, 5718.0, 5459.0, 5389.0, 5546.0, 5313.0, 5325.0, 5519.0, 5610.0, 5607.0, 5710.0, 5650.0, 5520.0, 5618.0, 5507.0, 5316.0, 5254.0, 5698.0, 5478.0, 5304.0, 5560.0, 5406.0, 5289.0, 5472.0, 5464.0, 5288.0, 5683.0, 5651.0, 5413.0, 5298.0, 5506.0, 5543.0, 5663.0, 5476.0, 5635.0, 5544.0, 5575.0, 5297.0, 5696.0, 5336.0, 5706.0, 5682.0, 5443.0, 5358.0, 5431.0, 5479.0, 5357.0, 5345.0, 5714.0, 5386.0, 5468.0, 5586.0, 5446.0, 5629.0, 5671.0, 5684.0, 5323.0, 5622.0, 5417.0, 5473.0, 5720.0, 5467.0, 5384.0, 5583.0, 5638.0, 5501.0, 5281.0, 5623.0, 5277.0, 5382.0, 5368.0, 5700.0, 5267.0, 5658.0, 5701.0, 5564.0, 5445.0, 5511.0, 5502.0, 5372.0, 5380.0, 5322.0, 5660.0, 5463.0, 5333.0, 5331.0, 5315.0, 5585.0, 5591.0, 5637.0, 5319.0, 5354.0, 5681.0, 5335.0, 5427.0, 5294.0, 5547.0, 5471.0 (number of hits: 7)
17	5270	9	1	333	1	5413.0, 5358.0, 5478.0, 5704.0, 5574.0, 5680.0, 5675.0, 5573.0, 5535.0, 5291.0, 5676.0, 5263.0, 5421.0, 5361.0, 5605.0, 5342.0, 5572.0, 5665.0, 5578.0, 5715.0, 5449.0, 5671.0, 5560.0, 5539.0, 5658.0, 5645.0, 5526.0, 5580.0, 5429.0, 5251.0, 5309.0, 5464.0, 5536.0, 5661.0, 5294.0, 5569.0, 5436.0, 5422.0, 5336.0, 5624.0, 5328.0, 5477.0, 5695.0, 5312.0, 5450.0, 5721.0, 5425.0, 5495.0, 5626.0, 5528.0, 5260.0, 5656.0, 5642.0, 5337.0, 5593.0, 5374.0, 5382.0, 5663.0, 5547.0, 5416.0,

						5252.0, 5418.0, 5718.0, 5268.0, 5697.0, 5643.0, 5503.0, 5585.0, 5253.0, 5710.0, 5679.0, 5292.0, 5353.0, 5278.0, 5546.0, 5430.0, 5366.0, 5420.0, 5649.0, 5423.0, 5493.0, 5467.0, 5600.0, 5589.0, 5601.0, 5565.0, 5387.0, 5396.0, 5490.0, 5274.0, 5551.0, 5300.0, 5320.0, 5610.0, 5714.0, 5454.0, 5400.0, 5331.0, 5298.0, 5619.0 (number of hits: 7)
18	5270	9	1	333	1	5516.0, 5487.0, 5322.0, 5614.0, 5288.0, 5284.0, 5253.0, 5323.0, 5528.0, 5472.0, 5261.0, 5572.0, 5451.0, 5374.0, 5293.0, 5550.0, 5437.0, 5285.0, 5467.0, 5492.0, 5408.0, 5679.0, 5265.0, 5634.0, 5396.0, 5590.0, 5338.0, 5407.0, 5615.0, 5518.0, 5666.0, 5441.0, 5312.0, 5281.0, 5658.0, 5560.0, 5707.0, 5536.0, 5581.0, 5694.0, 5335.0, 5337.0, 5609.0, 5552.0, 5474.0, 5300.0, 5579.0, 5555.0, 5529.0, 5438.0, 5409.0, 5264.0, 5351.0, 5434.0, 5398.0, 5513.0, 5251.0, 5697.0, 5430.0, 5476.0, 5669.0, 5291.0, 5282.0, 5452.0, 5580.0, 5465.0, 5570.0, 5648.0, 5592.0, 5508.0, 5701.0, 5274.0, 5534.0, 5443.0, 5689.0, 5329.0, 5608.0, 5368.0, 5684.0, 5584.0, 5360.0, 5466.0, 5500.0, 5272.0, 5601.0, 5352.0, 5402.0, 5724.0, 5493.0, 5298.0, 5632.0, 5721.0, 5299.0, 5310.0, 5639.0, 5471.0, 5553.0, 5722.0, 5637.0, 5317.0 (number of hits: 9)
19	5270	9	1	333	1	5327.0, 5715.0, 5573.0, 5560.0, 5446.0, 5700.0, 5374.0, 5547.0, 5580.0, 5461.0, 5555.0, 5718.0, 5602.0, 5280.0, 5707.0, 5417.0, 5401.0, 5385.0, 5254.0, 5648.0, 5291.0, 5579.0, 5600.0, 5365.0, 5489.0, 5549.0, 5616.0, 5688.0, 5473.0, 5449.0, 5492.0, 5324.0, 5623.0, 5448.0, 5466.0, 5292.0, 5442.0, 5270.0, 5456.0, 5441.0, 5451.0, 5306.0, 5328.0, 5615.0, 5368.0, 5330.0, 5286.0, 5640.0, 5478.0, 5309.0, 5415.0, 5373.0, 5507.0, 5472.0, 5511.0, 5504.0, 5438.0, 5320.0, 5546.0, 5273.0, 5721.0, 5536.0, 5256.0, 5598.0, 5524.0, 5570.0, 5416.0, 5627.0, 5710.0, 5453.0, 5622.0, 5576.0, 5692.0, 5447.0, 5262.0, 5494.0, 5680.0, 5587.0, 5609.0, 5455.0, 5569.0, 5691.0, 5630.0, 5684.0, 5314.0, 5677.0, 5404.0, 5613.0, 5567.0, 5541.0, 5526.0, 5424.0, 5308.0, 5479.0, 5625.0, 5647.0, 5686.0, 5391.0, 5606.0, 5474.0 (number of hits: 7)
20	5270	9	1	333	1	5635.0, 5590.0, 5420.0, 5629.0, 5644.0, 5251.0, 5714.0, 5695.0, 5386.0, 5313.0, 5398.0, 5295.0, 5723.0, 5455.0, 5541.0, 5256.0, 5438.0, 5701.0, 5650.0, 5458.0, 5280.0, 5705.0, 5360.0, 5698.0, 5527.0, 5601.0, 5720.0, 5502.0, 5485.0, 5355.0, 5610.0, 5721.0, 5477.0, 5591.0, 5688.0, 5333.0, 5683.0, 5583.0, 5275.0, 5532.0,

						5511.0, 5272.0, 5432.0, 5663.0, 5712.0, 5643.0, 5555.0, 5494.0, 5570.0, 5543.0, 5470.0, 5308.0, 5482.0, 5266.0, 5357.0, 5621.0, 5618.0, 5696.0, 5568.0, 5533.0, 5560.0, 5492.0, 5291.0, 5341.0, 5715.0, 5264.0, 5448.0, 5384.0, 5553.0, 5633.0, 5348.0, 5505.0, 5336.0, 5379.0, 5481.0, 5466.0, 5434.0, 5368.0, 5574.0, 5656.0, 5499.0, 5544.0, 5671.0, 5554.0, 5396.0, 5526.0, 5473.0, 5497.0, 5472.0, 5649.0, 5446.0, 5667.0, 5429.0, 5290.0, 5323.0, 5697.0, 5646.0, 5713.0, 5324.0, 5666.0 (number of hits: 5)
21	5270	9	1	333	1	5335.0, 5629.0, 5542.0, 5319.0, 5430.0, 5602.0, 5662.0, 5376.0, 5459.0, 5461.0, 5528.0, 5576.0, 5640.0, 5483.0, 5674.0, 5491.0, 5357.0, 5256.0, 5443.0, 5686.0, 5657.0, 5454.0, 5535.0, 5458.0, 5580.0, 5419.0, 5317.0, 5691.0, 5452.0, 5450.0, 5723.0, 5566.0, 5297.0, 5719.0, 5539.0, 5351.0, 5382.0, 5363.0, 5699.0, 5501.0, 5411.0, 5573.0, 5266.0, 5282.0, 5715.0, 5345.0, 5494.0, 5567.0, 5300.0, 5502.0, 5543.0, 5431.0, 5396.0, 5696.0, 5257.0, 5563.0, 5537.0, 5288.0, 5718.0, 5608.0, 5625.0, 5551.0, 5622.0, 5592.0, 5413.0, 5406.0, 5306.0, 5305.0, 5329.0, 5316.0, 5722.0, 5626.0, 5253.0, 5516.0, 5649.0, 5583.0, 5587.0, 5652.0, 5368.0, 5601.0, 5717.0, 5417.0, 5660.0, 5484.0, 5618.0, 5400.0, 5692.0, 5610.0, 5635.0, 5533.0, 5616.0, 5628.0, 5284.0, 5426.0, 5337.0, 5529.0, 5672.0, 5449.0, 5716.0, 5468.0 (number of hits: 5)
22	5270	9	1	333	1	5591.0, 5265.0, 5637.0, 5501.0, 5488.0, 5441.0, 5707.0, 5670.0, 5418.0, 5466.0, 5626.0, 5423.0, 5280.0, 5498.0, 5556.0, 5561.0, 5349.0, 5255.0, 5597.0, 5659.0, 5702.0, 5333.0, 5642.0, 5400.0, 5645.0, 5526.0, 5665.0, 5407.0, 5457.0, 5425.0, 5497.0, 5433.0, 5270.0, 5700.0, 5384.0, 5693.0, 5583.0, 5325.0, 5427.0, 5489.0, 5551.0, 5424.0, 5266.0, 5261.0, 5641.0, 5690.0, 5409.0, 5552.0, 5379.0, 5355.0, 5446.0, 5494.0, 5289.0, 5459.0, 5350.0, 5267.0, 5646.0, 5445.0, 5589.0, 5698.0, 5250.0, 5658.0, 5493.0, 5292.0, 5366.0, 5335.0, 5305.0, 5440.0, 5572.0, 5356.0, 5592.0, 5527.0, 5508.0, 5541.0, 5450.0, 5286.0, 5509.0, 5709.0, 5307.0, 5390.0, 5454.0, 5711.0, 5388.0, 5675.0, 5688.0, 5495.0, 5301.0, 5399.0, 5560.0, 5629.0, 5691.0, 5519.0, 5269.0, 5715.0, 5404.0, 5372.0, 5490.0, 5713.0, 5676.0, 5550.0 (number of hits: 6)
23	5270	9	1	333	1	5533.0, 5516.0, 5471.0, 5536.0, 5489.0, 5479.0, 5701.0, 5708.0, 5455.0, 5313.0, 5493.0, 5497.0, 5447.0, 5439.0, 5415.0, 5356.0, 5621.0, 5653.0, 5358.0, 5490.0,

						5295.0, 5625.0, 5664.0, 5281.0, 5600.0, 5475.0, 5578.0, 5521.0, 5316.0, 5679.0, 5317.0, 5442.0, 5362.0, 5693.0, 5484.0, 5370.0, 5314.0, 5582.0, 5528.0, 5503.0, 5716.0, 5452.0, 5535.0, 5488.0, 5663.0, 5710.0, 5328.0, 5623.0, 5450.0, 5331.0, 5386.0, 5367.0, 5265.0, 5670.0, 5620.0, 5412.0, 5379.0, 5570.0, 5609.0, 5650.0, 5470.0, 5425.0, 5258.0, 5573.0, 5581.0, 5359.0, 5615.0, 5417.0, 5405.0, 5376.0, 5605.0, 5696.0, 5272.0, 5639.0, 5318.0, 5444.0, 5474.0, 5547.0, 5369.0, 5719.0, 5684.0, 5304.0, 5610.0, 5675.0, 5666.0, 5430.0, 5721.0, 5568.0, 5668.0, 5580.0, 5404.0, 5717.0, 5509.0, 5530.0, 5463.0, 5722.0, 5649.0, 5363.0, 5507.0, 5678.0 (number of hits: 4)
24	5270	9	1	333	1	5442.0, 5552.0, 5544.0, 5680.0, 5410.0, 5272.0, 5390.0, 5559.0, 5394.0, 5290.0, 5381.0, 5500.0, 5367.0, 5523.0, 5695.0, 5446.0, 5638.0, 5299.0, 5718.0, 5598.0, 5328.0, 5677.0, 5283.0, 5335.0, 5653.0, 5398.0, 5646.0, 5418.0, 5700.0, 5412.0, 5644.0, 5408.0, 5576.0, 5374.0, 5556.0, 5472.0, 5689.0, 5659.0, 5608.0, 5413.0, 5372.0, 5596.0, 5308.0, 5499.0, 5323.0, 5365.0, 5279.0, 5599.0, 5305.0, 5583.0, 5688.0, 5325.0, 5489.0, 5420.0, 5311.0, 5402.0, 5320.0, 5702.0, 5331.0, 5513.0, 5661.0, 5342.0, 5561.0, 5260.0, 5396.0, 5326.0, 5405.0, 5380.0, 5460.0, 5664.0, 5682.0, 5537.0, 5660.0, 5414.0, 5569.0, 5399.0, 5593.0, 5266.0, 5620.0, 5293.0, 5300.0, 5454.0, 5648.0, 5280.0, 5288.0, 5541.0, 5590.0, 5470.0, 5563.0, 5350.0, 5504.0, 5348.0, 5498.0, 5429.0, 5277.0, 5448.0, 5501.0, 5428.0, 5379.0, 5493.0 (number of hits: 8)
25	5270	9	1	333	1	5258.0, 5545.0, 5438.0, 5352.0, 5714.0, 5601.0, 5394.0, 5267.0, 5720.0, 5307.0, 5522.0, 5669.0, 5706.0, 5281.0, 5708.0, 5596.0, 5303.0, 5530.0, 5377.0, 5514.0, 5290.0, 5300.0, 5535.0, 5448.0, 5353.0, 5684.0, 5479.0, 5387.0, 5707.0, 5338.0, 5622.0, 5382.0, 5340.0, 5605.0, 5270.0, 5335.0, 5609.0, 5547.0, 5415.0, 5613.0, 5250.0, 5328.0, 5442.0, 5685.0, 5630.0, 5481.0, 5447.0, 5421.0, 5692.0, 5701.0, 5361.0, 5666.0, 5690.0, 5278.0, 5642.0, 5558.0, 5489.0, 5462.0, 5468.0, 5310.0, 5414.0, 5268.0, 5411.0, 5371.0, 5379.0, 5564.0, 5272.0, 5594.0, 5432.0, 5610.0, 5313.0, 5434.0, 5367.0, 5686.0, 5458.0, 5612.0, 5356.0, 5424.0, 5572.0, 5401.0, 5381.0, 5557.0, 5334.0, 5526.0, 5431.0, 5505.0, 5466.0, 5413.0, 5504.0, 5604.0, 5696.0, 5400.0, 5484.0, 5360.0, 5515.0, 5453.0, 5342.0, 5587.0, 5679.0, 5365.0 (number of hits: 6)

26	5270	9	1	333	1	5654.0, 5341.0, 5724.0, 5529.0, 5585.0, 5592.0, 5449.0, 5660.0, 5530.0, 5385.0, 5451.0, 5280.0, 5563.0, 5671.0, 5422.0, 5430.0, 5296.0, 5263.0, 5573.0, 5326.0, 5635.0, 5269.0, 5609.0, 5492.0, 5665.0, 5420.0, 5594.0, 5313.0, 5333.0, 5663.0, 5251.0, 5398.0, 5289.0, 5298.0, 5273.0, 5379.0, 5688.0, 5423.0, 5554.0, 5528.0, 5670.0, 5314.0, 5366.0, 5662.0, 5372.0, 5300.0, 5359.0, 5315.0, 5642.0, 5419.0, 5271.0, 5381.0, 5534.0, 5471.0, 5483.0, 5517.0, 5560.0, 5704.0, 5542.0, 5706.0, 5456.0, 5369.0, 5444.0, 5637.0, 5376.0, 5455.0, 5442.0, 5364.0, 5327.0, 5325.0, 5519.0, 5678.0, 5387.0, 5409.0, 5318.0, 5408.0, 5684.0, 5378.0, 5356.0, 5694.0, 5437.0, 5255.0, 5436.0, 5548.0, 5466.0, 5383.0, 5613.0, 5462.0, 5602.0, 5427.0, 5493.0, 5459.0, 5475.0, 5393.0, 5360.0, 5399.0, 5612.0, 5441.0, 5513.0, 5710.0 (number of hits: 6)
27	5270	9	1	333	1	5669.0, 5481.0, 5459.0, 5449.0, 5572.0, 5638.0, 5535.0, 5607.0, 5290.0, 5540.0, 5591.0, 5579.0, 5291.0, 5482.0, 5472.0, 5308.0, 5289.0, 5373.0, 5376.0, 5605.0, 5528.0, 5275.0, 5538.0, 5269.0, 5723.0, 5626.0, 5651.0, 5649.0, 5633.0, 5251.0, 5573.0, 5518.0, 5674.0, 5250.0, 5411.0, 5541.0, 5665.0, 5505.0, 5524.0, 5410.0, 5606.0, 5495.0, 5629.0, 5351.0, 5690.0, 5259.0, 5272.0, 5546.0, 5288.0, 5362.0, 5460.0, 5695.0, 5664.0, 5688.0, 5327.0, 5613.0, 5258.0, 5595.0, 5347.0, 5711.0, 5483.0, 5401.0, 5414.0, 5501.0, 5574.0, 5336.0, 5433.0, 5537.0, 5497.0, 5493.0, 5494.0, 5675.0, 5601.0, 5681.0, 5301.0, 5650.0, 5353.0, 5618.0, 5354.0, 5420.0, 5264.0, 5388.0, 5253.0, 5516.0, 5663.0, 5677.0, 5469.0, 5346.0, 5552.0, 5369.0, 5700.0, 5554.0, 5384.0, 5391.0, 5418.0, 5575.0, 5542.0, 5300.0, 5470.0, 5297.0 (number of hits: 8)
28	5270	9	1	333	1	5352.0, 5679.0, 5646.0, 5660.0, 5418.0, 5426.0, 5487.0, 5521.0, 5259.0, 5460.0, 5430.0, 5610.0, 5339.0, 5276.0, 5546.0, 5527.0, 5357.0, 5722.0, 5263.0, 5317.0, 5514.0, 5557.0, 5583.0, 5283.0, 5562.0, 5356.0, 5266.0, 5603.0, 5534.0, 5555.0, 5720.0, 5539.0, 5308.0, 5698.0, 5273.0, 5644.0, 5708.0, 5300.0, 5347.0, 5700.0, 5458.0, 5501.0, 5678.0, 5530.0, 5515.0, 5567.0, 5335.0, 5549.0, 5536.0, 5511.0, 5428.0, 5561.0, 5443.0, 5301.0, 5723.0, 5631.0, 5582.0, 5289.0, 5638.0, 5469.0, 5462.0, 5370.0, 5465.0, 5587.0, 5540.0, 5382.0, 5447.0, 5525.0, 5652.0, 5258.0, 5277.0, 5624.0, 5410.0, 5542.0, 5669.0, 5658.0, 5598.0, 5349.0, 5271.0, 5553.0, 5675.0, 5463.0, 5667.0, 5438.0, 5671.0,

						5717.0, 5304.0, 5390.0, 5353.0, 5260.0, 5672.0, 5548.0, 5455.0, 5385.0, 5531.0, 5322.0, 5681.0, 5333.0, 5616.0, 5303.0 (number of hits: 6)
29	5270	9	1	333	1	5555.0, 5436.0, 5419.0, 5422.0, 5383.0, 5360.0, 5633.0, 5307.0, 5586.0, 5706.0, 5510.0, 5356.0, 5658.0, 5385.0, 5439.0, 5566.0, 5278.0, 5481.0, 5664.0, 5643.0, 5557.0, 5614.0, 5637.0, 5530.0, 5392.0, 5575.0, 5546.0, 5591.0, 5457.0, 5625.0, 5438.0, 5607.0, 5634.0, 5724.0, 5699.0, 5561.0, 5282.0, 5331.0, 5295.0, 5518.0, 5453.0, 5305.0, 5615.0, 5445.0, 5722.0, 5590.0, 5543.0, 5470.0, 5691.0, 5318.0, 5362.0, 5398.0, 5529.0, 5350.0, 5399.0, 5585.0, 5650.0, 5486.0, 5571.0, 5465.0, 5473.0, 5544.0, 5640.0, 5675.0, 5551.0, 5454.0, 5474.0, 5379.0, 5496.0, 5451.0, 5657.0, 5264.0, 5478.0, 5619.0, 5532.0, 5293.0, 5495.0, 5542.0, 5292.0, 5690.0, 5525.0, 5603.0, 5618.0, 5674.0, 5287.0, 5700.0, 5382.0, 5455.0, 5407.0, 5610.0, 5648.0, 5428.0, 5461.0, 5567.0, 5589.0, 5442.0, 5258.0, 5329.0, 5431.0, 5604.0 (number of hits: 6)
30	5270	9	1	333	1	5446.0, 5622.0, 5283.0, 5610.0, 5286.0, 5258.0, 5278.0, 5420.0, 5326.0, 5442.0, 5524.0, 5405.0, 5378.0, 5414.0, 5652.0, 5522.0, 5393.0, 5701.0, 5482.0, 5285.0, 5704.0, 5457.0, 5711.0, 5697.0, 5642.0, 5385.0, 5528.0, 5471.0, 5269.0, 5351.0, 5564.0, 5396.0, 5399.0, 5316.0, 5401.0, 5691.0, 5638.0, 5547.0, 5266.0, 5486.0, 5632.0, 5525.0, 5637.0, 5477.0, 5321.0, 5550.0, 5536.0, 5661.0, 5578.0, 5484.0, 5690.0, 5584.0, 5255.0, 5620.0, 5660.0, 5706.0, 5621.0, 5327.0, 5698.0, 5279.0, 5673.0, 5371.0, 5553.0, 5360.0, 5415.0, 5702.0, 5574.0, 5518.0, 5615.0, 5713.0, 5334.0, 5719.0, 5389.0, 5346.0, 5653.0, 5530.0, 5686.0, 5507.0, 5406.0, 5370.0, 5664.0, 5352.0, 5582.0, 5491.0, 5492.0, 5445.0, 5274.0, 5458.0, 5544.0, 5277.0, 5500.0, 5300.0, 5699.0, 5475.0, 5252.0, 5540.0, 5517.0, 5624.0, 5694.0, 5671.0 (number of hits: 3)

F= 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	1
6	5550	18	1	1428	0
7	5550	18	1	1428	1
8	5550	18	1	1428	1
9	5550	18	1	1428	1
10	5550	18	1	1428	0
11	5550	18	1	1428	1
12	5550	18	1	1428	1
13	5550	18	1	1428	1
14	5550	18	1	1428	1
15	5550	18	1	1428	0
16	5550	18	1	1428	0
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	4.4	221	1
2	5550	28	3.5	167	1
3	5550	24	1.8	167	1
4	5550	26	3.2	214	1
5	5550	26	4.4	222	1
6	5550	26	2	172	1
7	5550	26	3.1	175	1
8	5550	26	1	180	1
9	5550	28	1.9	199	1
10	5550	24	4.9	192	1
11	5550	23	5	213	1
12	5550	23	4.9	193	1
13	5550	28	4.6	158	1
14	5550	24	4.9	214	1
15	5550	25	4.7	221	1
16	5550	24	1.7	207	1
17	5550	29	4.5	204	1
18	5550	23	4.6	184	1
19	5550	23	4.9	208	1
20	5550	25	4.4	214	1
21	5550	27	3.4	162	1
22	5550	29	4	168	1
23	5550	28	1.3	217	1
24	5550	23	3.8	189	1
25	5550	28	3.8	213	1
26	5550	25	4.2	161	1
27	5550	27	4	182	1
28	5550	26	2.4	205	1
29	5550	25	2.9	208	1
30	5550	23	2.3	185	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	17	9.3	214	1
2	5550	18	9	445	1
3	5550	18	7.8	242	1
4	5550	17	7.5	357	1
5	5550	16	6.8	490	1
6	5550	17	7.1	291	1
7	5550	16	8.4	252	1
8	5550	17	6	237	1
9	5550	17	8.3	203	1
10	5550	18	8.8	332	1
11	5550	18	7.7	434	1
12	5550	16	7	480	1
13	5550	16	8.4	376	1
14	5550	16	7.4	320	1
15	5550	17	7.8	241	1
16	5550	18	6.9	405	1
17	5550	18	9.7	402	1
18	5550	18	6.6	365	1
19	5550	17	7.3	488	1
20	5550	17	7.3	345	1
21	5550	17	9.7	258	1
22	5550	18	6.2	387	1
23	5550	16	6.1	357	1
24	5550	18	8.5	437	1
25	5550	18	8.1	437	1
26	5550	16	7	382	1
27	5550	17	7.3	382	1
28	5550	18	9.3	476	1
29	5550	17	6	476	1
30	5550	18	9.3	260	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	14	18.7	221	1
2	5550	14	15.8	317	1
3	5550	13	19	361	1
4	5550	13	17.5	260	1
5	5550	15	19	391	1
6	5550	16	14.4	211	1
7	5550	12	17.1	360	1
8	5550	14	20	399	1
9	5550	16	11.8	385	1
10	5550	14	16.4	453	1
11	5550	13	17.9	421	1
12	5550	12	16.1	437	1
13	5550	15	14.8	404	1
14	5550	16	17.6	390	1
15	5550	15	13.2	469	1
16	5550	15	18.7	235	1
17	5550	13	19.7	260	1
18	5550	16	15.2	321	1
19	5550	15	19.9	427	1
20	5550	14	19.1	241	1
21	5550	16	19.7	255	1
22	5550	12	13.1	306	1
23	5550	15	12.8	452	1
24	5550	14	15.2	323	1
25	5550	15	11.5	349	1
26	5550	16	14.8	300	1
27	5550	16	15.6	388	1
28	5550	13	11	271	1
29	5550	16	16	452	1
30	5550	15	15.4	448	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	52.8	1414	1367	0.524888	1
1	1	18	99.7			1.168017	
2	2	8	99.2	1835		2.530634	
3	1	10	58.8			2.855099	
4	2	12	66.8	1091		3.623365	
5	2	6	95.1	1419		5.035068	
6	1	7	97.2			5.49959	
7	3	20	71.8	1998	1166	6.576149	
8	2	16	77.9	1117		7.489799	
9	3	8	93.1	1258	1924	8.533656	
10	2	6	95	1944		9.275058	
11	2	6	53.8	1046		9.731893	
12	3	20	80.8	1401	1725	10.55405	
13	2	13	71.4	1270		11.145595	

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	16	51.2	1103		0.27188	1
1	2	7	74.1	1929		0.805898	
2	1	6	57.7			1.645815	
3	2	11	90.3	1978		2.946153	
4	2	11	58	1744		3.350691	
5	3	10	90.1	1602	1633	3.766459	
6	2	19	75.1	1560		5.059841	
7	2	6	59.7	1035		5.642967	
8	1	14	57.7			6.282525	
9	2	12	86.6	1284		6.852676	
10	2	15	75.8	1796		8.052285	
11	2	18	82.4	1375		8.795529	
12	2	8	98	1290		9.522141	
13	3	15	73.6	1075	1625	9.931361	
14	1	12	98.5			11.101567	
15	2	7	94.2	1912		11.949111	

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	19	91.7	1704		0.940106	1
1	2	6	75.6	1551		2.368379	
2	2	19	87.8	1140		3.166052	
3	1	17	54			3.9084	
4	3	17	69.8	1914	1571	5.020522	
5	2	20	50.3	1620		6.726624	
6	3	7	62.2	1469	1526	7.768904	
7	2	20	80.6	1293		8.817238	
8	3	10	53.3	1523	1893	10.282728	
9	2	15	52.4	1014		11.470097	

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	3	18	96.6	1509	1621	0.094529	1
1	3	8	94	1651	1564	1.031793	
2	3	15	95.6	1647	1428	1.527135	
3	1	16	59.1			2.223133	
4	1	9	59			3.129545	
5	3	17	76.7	1122	1230	3.437821	
6	3	19	90.1	1909	1107	4.253134	
7	2	15	77.7	1923		5.193362	
8	2	8	53.9	1579		5.680712	
9	3	20	73.5	1238	1387	6.629385	
10	2	13	76.1	1789		6.813452	
11	3	13	90.7	1039	1786	7.652837	
12	1	17	97.9			8.511719	
13	2	8	70.3	1410		8.695279	
14	1	17	74.6			9.916049	
15	3	6	75	1818	1934	10.423528	
16	1	12	68.2			10.954683	
17	2	8	58.2	1251		11.551901	

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	16	65.8	1761		0.382565	
1	3	18	73.3	1440	1164	2.030193	
2	2	18	61.5	1081		2.800207	
3	1	10	69.4			5.059265	
4	1	7	50.5			6.51294	1
5	2	17	86.5	1421		7.168823	
6	1	5	61.6			8.40483	
7	2	17	81.2	1965		10.156841	
8	3	14	90.3	1837	1344	11.931451	

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	9	91.7			0.146884	
1	2	8	72	1957		1.007535	
2	2	15	66.3	1310		1.306797	
3	3	9	71.7	1940	1994	2.344821	
4	1	8	52.8			2.970412	
5	3	6	66.4	1271	1065	3.464887	
6	2	17	68.7	1723		4.364201	
7	2	16	63.5	1101		4.796691	
8	3	5	96.2	1524	1727	5.531148	
9	2	11	58.2	1340		6.075802	1
10	1	6	85.1			6.394135	
11	3	10	83.6	1581	1706	7.446485	
12	2	14	83.4	1497		8.080025	
13	2	18	51.8	1904		8.785475	
14	1	14	81.4			9.328812	
15	1	18	50.2			10.081889	
16	2	18	65.3	1467		10.115116	
17	1	13	79.6			10.835281	
18	1	10	80.4			11.399604	

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	5	74.3	1297		0.446549	
1	3	18	66.8	1751	1713	1.433258	
2	3	13	86.5	1775	1367	2.664274	
3	2	16	53.8	1731		3.00061	
4	2	16	68.2	1779		4.058806	
5	1	11	95.9			5.320839	
6	3	19	65.8	1628	1500	6.375855	1
7	3	10	81.2	1954	1061	7.213908	
8	2	15	87.3	1257		8.042315	
9	3	18	59	1969	1578	8.814985	
10	2	17	67.6	1161		9.724441	
11	3	9	67.3	1183	1502	10.946679	
12	3	10	65.2	1153	1549	11.950066	

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	9	74.1			0.278242	
1	2	11	98.9	1428		0.823234	
2	2	8	87.4	1017		1.648002	
3	2	15	97.2	1540		2.502816	
4	2	8	99.8	1883		3.62235	
5	2	6	67	1928		4.251933	
6	2	16	54	1703		5.543163	
7	2	14	72.7	1619		6.12834	1
8	3	14	69.7	1100	1378	7.138304	
9	3	17	72.1	1269	1682	7.302728	
10	1	10	62			8.34668	
11	1	14	73.7			9.161278	
12	2	20	65	1596		9.692208	
13	2	15	72.1	1042		10.907395	
14	2	20	50.8	1642		11.60342	

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	1	10	65.9			0.821961	
1	2	8	70.3	1662		1.130732	
2	3	6	95.1	1642	1177	2.238499	
3	3	12	56.6	1069	1509	2.940527	
4	2	14	79.7	1425		4.516723	
5	3	18	74.1	1789	1631	4.702433	
6	3	11	87.3	1223	1218	5.913961	1
7	3	9	69.5	1320	1678	6.807149	
8	3	9	73.7	1424	1960	7.804384	
9	3	19	94.3	1301	1833	8.973209	
10	2	14	52.7	1501		9.784487	
11	1	9	97.6			10.578802	
12	2	7	74.2	1397		11.399656	

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	2	10	92.3	1184		0.88319	
1	1	8	57.1			1.67903	
2	2	16	66.1	1603		2.621853	
3	2	11	52.2	1848		3.519584	
4	3	8	74.2	1637	1205	5.275098	
5	2	9	74.4	1175		5.904695	1
6	2	9	82.5	1685		7.568542	
7	1	11	74.7			8.395985	
8	3	16	70.3	1640	1323	8.810101	
9	2	11	68	1242		10.694591	
10	3	8	80.2	1754	1246	11.87057	

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	14	62.9	1180	1284	0.282741	1
1	1	13	91.4			1.543104	
2	3	9	93.1	1681	1939	2.168048	
3	2	10	56.7	1403		2.936461	
4	3	19	90.6	1668	1893	3.607543	
5	2	11	62.8	1540		4.850268	
6	1	6	57.5			5.656523	
7	3	5	64.1	1363	1303	6.390707	
8	3	19	99.5	1615	1970	7.507017	
9	3	19	66.2	1946	1046	7.804787	
10	2	9	56.1	1358		9.34466	
11	3	8	83.2	1323	1328	9.62503	
12	3	12	55.6	1806	1238	11.129336	
13	2	7	91.2	1512		11.161057	

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	10	77.9	1431	1398	0.421091	1
1	1	9	59.8			1.846719	
2	2	12	88.5	1574		2.927047	
3	3	9	52.6	1995	1282	4.302294	
4	3	15	75.4	1676	1885	5.359204	
5	3	19	88.2	1981	1004	6.13162	
6	1	10	61.4			7.261388	
7	2	8	98	1006		9.392712	
8	1	10	89.1			10.737851	
9	2	13	64.1	1216		11.310932	

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	2	10	67.3	1307		0.507934	1
1	2	15	99.2	1981		1.184843	
2	3	15	72.1	1473	1761	2.085194	
3	1	10	56.2			2.925952	
4	1	18	89.1			3.759921	
5	2	6	75.7	1713		4.58507	
6	2	11	75.6	1300		5.944603	
7	2	12	61	1180		6.466	
8	2	7	77.3	1508		7.073997	
9	2	11	76	1353		8.459275	
10	2	9	53.9	1860		8.670531	
11	2	13	55	1087		9.594088	
12	2	13	78.3	1335		10.503195	
13	1	14	77.3			11.209241	

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	51.7	1325		0.705945	1
1	1	8	61.5			2.378319	
2	1	13	80.6			3.220107	
3	1	17	89.4			4.743514	
4	2	16	74.6	1454		5.527804	
5	3	7	96.7	1432	1299	7.584741	
6	2	19	97.3	1516		9.28058	
7	1	17	89.2			9.353925	
8	1	19	97.3			10.806568	

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	17	67	1696	1518	0.272517	
1	3	6	89.9	1976	1798	1.923057	
2	1	18	66.2			2.799252	
3	2	15	62.6	1945		3.448454	
4	2	13	50.4	1096		4.811329	
5	2	10	99.8	1177		6.299368	1
6	3	20	67.6	1798	1225	7.190005	
7	3	18	98.8	1788	1993	8.483953	
8	2	14	85.8	1441		9.752896	
9	2	8	82.1	1349		10.159832	
10	2	17	65	1339		11.818823	

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	3	19	87.1	1611	1891	0.436295	
1	2	12	57.3	1644		1.147608	
2	1	10	93.7			1.559086	
3	2	12	82.4	1026		2.245154	
4	2	10	94.6	1403		2.665245	
5	2	13	56	1283		3.518158	
6	3	12	56.7	1357	1747	4.304919	
7	2	7	74.7	1438		5.012323	
8	2	11	95.1	1111		5.13503	
9	2	9	74.3	1777		6.172043	1
10	2	15	80.4	1388		6.370386	
11	2	17	55.9	1863		7.423599	
12	2	18	97.2	1451		7.842324	
13	2	18	69.3	1270		8.336444	
14	2	15	50.1	1319		8.967329	
15	3	8	70.7	1701	1104	10.093894	
16	2	20	57.2	1576		10.39313	
17	1	13	90.5			11.012022	
18	3	10	68.3	1643	1562	11.475918	

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	9	75.1			0.385212	
1	2	5	77.5	1151		1.618961	
2	3	8	71.3	1364	1548	2.680953	
3	1	19	78.8			3.513223	
4	1	8	74.8			3.787605	
5	2	19	62.2	1028		4.868891	
6	2	8	52.6	1195		5.859199	1
7	3	19	51.6	1325	1225	7.199525	
8	2	9	80.5	1129		7.66729	
9	1	16	87			9.191518	
10	2	17	65.6	1197		9.832444	
11	2	15	54.2	1601		10.293331	
12	3	19	84.6	1614	1760	11.901389	

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	5	80.5	1025		0.066705	
1	3	11	85.5	1398	1087	0.817149	
2	1	9	59.8			1.597148	
3	1	5	73.3			2.438671	
4	2	7	76.1	1288		2.988087	
5	2	16	93	1904		3.401613	
6	1	14	63.7			4.114439	
7	2	10	75.7	1719		4.934123	
8	2	19	72	1176		5.877278	1
9	1	14	86.8			6.473648	
10	1	14	51.9			6.742695	
11	1	14	66.2			7.42008	
12	3	16	60.6	1292	1196	8.521623	
13	3	12	99.5	1913	1317	8.968382	
14	2	8	53	1451		9.38459	
15	1	10	99.3			10.139205	
16	1	6	59.4			11.1675	
17	3	6	85.5	1540	1725	11.794343	

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	6	88.9	1243		0.665899	
1	1	11	60.9			1.316852	
2	1	17	74.4			1.523262	
3	2	15	96.1	1848		2.542232	
4	2	13	81.9	1112		2.908829	
5	3	6	72.4	1517	1475	3.627194	
6	1	16	55.1			4.823189	
7	3	10	97.4	1386	1088	5.124046	
8	2	11	57.6	1710		5.695874	1
9	1	16	53			6.373105	
10	2	6	62.2	1644		7.4665	
11	2	14	80.9	1274		8.214126	
12	2	19	59.8	1321		8.557236	
13	2	12	68.4	1360		9.40025	
14	2	5	88.3	1231		10.290898	
15	2	18	85.9	1016		11.145984	
16	1	11	67.3			11.306294	

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	1	7	91.1			0.375743	
1	2	10	69	1903		2.517826	
2	2	7	76	1829		2.684077	
3	1	14	58.5			4.649915	
4	3	18	71.9	1673	1770	6.547178	1
5	1	19	82			7.621804	
6	2	18	55.3	1630		8.556966	
7	2	6	97.9	1038		9.748118	
8	2	20	60.7	1928		11.213437	

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	18	50.9	1246		0.4371	
1	1	9	70.7			1.476315	
2	3	16	65.2	1244	1888	2.156165	
3	3	8	98.4	1469	1706	2.918762	
4	2	6	58.9	1002		3.904966	
5	2	17	61.6	1350		4.107588	
6	3	15	83	1614	1365	4.877137	
7	2	17	71.4	1208		6.21487	1
8	2	9	78.1	1711		7.113821	
9	2	13	83.6	1782		7.310848	
10	2	10	70	1004		8.63152	
11	1	20	95.3			9.546404	
12	1	13	77.9			10.190655	
13	3	17	76.2	1357	1459	11.008573	
14	2	13	64.2	1553		11.693583	

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	11	54			1.25064	
1	2	19	85.1	1444		1.429735	
2	2	6	53.5	1237		2.731035	
3	2	20	74.8	1903		4.056538	
4	3	11	95.4	1779	1896	6.368614	1
5	2	10	78.3	1591		7.018802	
6	1	16	81.1			8.065852	
7	3	18	72.9	1121	1859	10.52692	
8	1	9	92.9			11.855849	

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	13	57.3			1.149018	1
1	3	10	67.1	1652	1985	2.092913	
2	2	18	73.1	1198		2.554348	
3	3	8	86.1	1619	1354	4.395148	
4	2	11	53.6	1613		4.950772	
5	2	13	92	1026		7.121626	
6	1	18	89			7.277251	
7	2	16	75.3	1251		8.466026	
8	2	19	99.1	1775		10.525132	
9	1	10	53.6			11.056766	

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	16	60.3	1016		0.733518	1
1	2	10	50.2	1770		1.349494	
2	3	12	95.2	1819	1023	2.115022	
3	3	8	53.6	1420	1352	3.114698	
4	3	12	56.7	1270	1815	3.924797	
5	3	19	94	1857	1906	4.381207	
6	2	19	65.8	1938		5.081254	
7	2	5	60	1164		5.6504	
8	2	17	91.3	1784		7.051616	
9	2	14	56.5	1274		7.888327	
10	3	7	93.8	1973	1941	8.305483	
11	2	18	56.9	1317		8.96862	
12	2	14	58.3	1896		10.386924	
13	1	18	84.1			10.738745	
14	2	13	74.2	1344		11.899256	

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	65.2	1081		1.113012	1
1	1	7	77.9			1.510915	
2	1	7	96.2			2.812003	
3	2	11	90.7	1723		4.20105	
4	2	13	56.2	1676		5.05125	
5	2	14	71.1	1982		6.11459	
6	2	11	83.2	1673		8.284324	
7	2	20	89.3	1541		8.812477	
8	3	18	92.2	1883	1169	10.609269	
9	2	15	66.7	1508		11.256209	

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	1	5	57.2			0.052721	1
1	3	16	85.6	1499	1940	0.932667	
2	1	12	61.2			2.227939	
3	2	10	88.6	1324		2.58145	
4	2	12	77.5	1356		3.94871	
5	2	10	86.9	1047		4.061574	
6	2	20	71.6	1810		5.337094	
7	2	18	98.5	1067		5.885999	
8	3	18	77.1	1263	1677	6.939956	
9	1	19	70.3			7.232271	
10	2	15	62.6	1581		8.274737	
11	3	10	90.1	1884	1790	9.587621	
12	2	13	75.6	1138		10.123448	
13	2	14	73.2	1892		10.776168	
14	2	15	83.2	1831		11.230003	

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	5	91.8			0.459819	1
1	2	9	63.8	1360		1.112163	
2	3	19	79.3	1418	1612	1.863018	
3	1	12	50.6			2.076876	
4	3	8	66.2	1098	1114	2.744902	
5	1	17	91.8			3.640099	
6	1	8	69			4.237748	
7	2	17	66.7	1141		4.9521	
8	3	13	94.2	1148	1242	5.544435	
9	2	18	78.3	1410		6.318488	
10	1	5	73.6			6.91421	
11	2	18	70	1665		7.623378	
12	2	10	65.5	1025		8.57727	
13	1	18	57			8.902819	
14	3	5	85.3	1369	1232	9.79052	
15	2	14	63.4	1263		10.432262	
16	2	6	64.4	1642		11.029284	
17	2	15	73.5	1869		11.404147	

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	1	18	86.2			0.399435	
1	2	10	67.6	1655		1.004773	
2	2	13	88.6	1758		1.497817	
3	2	17	52.7	1969		2.537437	
4	1	9	63.7			2.940966	
5	2	14	98	1666		3.559263	
6	2	12	63	1285		4.640008	
7	3	16	62.5	1702	1258	4.787077	
8	2	6	52.5	1430		5.623433	1
9	2	12	87.5	1936		6.458163	
10	2	9	59.2	1911		6.729482	
11	3	17	52.7	1081	1148	7.850728	
12	1	9	89.5			8.315018	
13	1	10	90.1			8.863063	
14	2	6	54.2	1390		9.479464	
15	1	11	93.6			10.323423	
16	3	5	94	1919	1291	10.709607	
17	3	15	79.3	1005	1262	11.867544	

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	98.5	1796		0.47889	
1	3	10	79.5	1700	1510	1.140901	
2	2	14	96.7	1147		1.706472	
3	1	14	65.3			2.657377	
4	2	8	57.5	1477		3.654866	
5	2	7	51.6	1303		3.760177	
6	2	18	51.6	1826		4.544925	
7	2	14	89.7	1865		5.942116	1
8	2	8	50.5	1991		6.246243	
9	1	17	78.7			7.442526	
10	2	14	84.4	1063		7.519274	
11	2	18	85.6	1153		8.939063	
12	2	12	68.2	1535		9.418742	
13	2	7	90.1	1505		10.007531	
14	3	17	53	1617	1860	10.668751	
15	2	9	82.8	1713		11.545389	

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	3	7	86.9	1697	1886	0.411243	
1	3	17	70.5	1614	1555	1.030397	
2	1	19	90			1.65793	
3	2	18	61.6	1264		2.173538	
4	2	18	94.8	1348		2.579866	
5	2	9	62.6	1336		3.669122	
6	2	11	96.7	1117		4.254102	
7	3	19	91.3	1537	1912	4.695801	
8	1	17	54.9			5.2038	
9	2	15	52.9	1100		5.865371	1
10	2	15	86	1323		6.468208	
11	2	12	75.8	1100		7.150123	
12	1	6	93.9			7.74427	
13	3	18	52	1881	1826	8.769858	
14	1	9	60.7			8.868483	
15	2	9	78.5	1545		9.704564	
16	1	9	59.8			10.616388	
17	2	13	59	1611		10.931773	
18	3	12	77.9	1339	1006	11.442493	

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	5661.0, 5339.0, 5262.0, 5371.0, 5634.0, 5640.0, 5420.0, 5413.0, 5379.0, 5626.0, 5436.0, 5458.0, 5636.0, 5366.0, 5361.0, 5659.0, 5394.0, 5343.0, 5597.0, 5338.0, 5712.0, 5443.0, 5383.0, 5618.0, 5617.0, 5321.0, 5713.0, 5470.0, 5561.0, 5323.0, 5632.0, 5475.0, 5554.0, 5282.0, 5378.0, 5645.0, 5280.0, 5454.0, 5421.0, 5647.0, 5699.0, 5465.0, 5533.0, 5657.0, 5332.0, 5643.0, 5624.0, 5670.0, 5603.0, 5256.0, 5395.0, 5529.0, 5666.0, 5702.0, 5669.0, 5623.0, 5301.0, 5542.0, 5602.0, 5274.0, 5530.0, 5549.0, 5558.0, 5491.0, 5446.0, 5709.0, 5418.0, 5656.0, 5260.0, 5638.0, 5409.0, 5252.0, 5619.0, 5305.0, 5495.0, 5582.0, 5505.0, 5477.0, 5284.0, 5369.0, 5596.0, 5559.0, 5690.0, 5317.0, 5627.0, 5396.0, 5526.0, 5697.0, 5585.0, 5489.0, 5457.0, 5455.0, 5390.0, 5428.0, 5393.0, 5539.0, 5665.0, 5352.0, 5451.0, 5680.0 (number of hits: 2)
2	5550	9	1	333	1	5376.0, 5448.0, 5572.0, 5289.0, 5346.0, 5561.0, 5669.0, 5433.0, 5306.0, 5697.0, 5298.0, 5360.0, 5395.0, 5383.0, 5621.0, 5268.0, 5320.0, 5562.0, 5528.0, 5329.0, 5615.0, 5487.0, 5596.0, 5625.0, 5614.0, 5377.0, 5422.0, 5419.0, 5634.0, 5335.0, 5719.0, 5385.0, 5722.0, 5660.0, 5665.0, 5630.0, 5467.0, 5326.0, 5363.0, 5516.0, 5523.0, 5504.0, 5661.0, 5673.0, 5574.0, 5677.0, 5310.0, 5632.0, 5654.0, 5296.0, 5264.0, 5280.0, 5356.0, 5273.0, 5629.0, 5577.0, 5251.0, 5449.0, 5427.0, 5525.0, 5466.0, 5511.0, 5635.0, 5668.0, 5382.0, 5534.0, 5392.0, 5325.0, 5640.0, 5269.0, 5309.0, 5496.0, 5485.0, 5664.0, 5261.0, 5550.0, 5610.0, 5337.0, 5270.0, 5721.0, 5716.0, 5369.0, 5341.0, 5409.0, 5648.0, 5603.0, 5374.0, 5711.0, 5366.0, 5478.0, 5707.0, 5495.0, 5412.0, 5514.0, 5538.0, 5411.0, 5657.0, 5705.0, 5396.0, 5563.0 (number of hits: 6)
3	5550	9	1	333	1	5391.0, 5721.0, 5420.0, 5354.0, 5580.0, 5538.0, 5528.0, 5341.0, 5256.0, 5626.0, 5518.0, 5704.0, 5479.0, 5511.0, 5508.0, 5352.0, 5355.0, 5490.0, 5280.0, 5398.0, 5374.0, 5505.0, 5357.0, 5451.0, 5683.0, 5542.0, 5403.0, 5412.0, 5440.0, 5423.0, 5609.0, 5273.0, 5506.0, 5393.0, 5365.0, 5693.0, 5527.0, 5526.0, 5314.0, 5369.0, 5444.0, 5521.0, 5360.0, 5570.0, 5395.0, 5404.0, 5536.0, 5250.0, 5691.0, 5428.0, 5681.0, 5457.0, 5332.0, 5685.0, 5638.0, 5347.0, 5694.0, 5287.0, 5510.0, 5496.0,

						5333.0, 5686.0, 5486.0, 5432.0, 5644.0, 5593.0, 5468.0, 5416.0, 5454.0, 5464.0, 5349.0, 5539.0, 5504.0, 5492.0, 5470.0, 5315.0, 5647.0, 5517.0, 5258.0, 5671.0, 5408.0, 5714.0, 5262.0, 5298.0, 5353.0, 5400.0, 5653.0, 5592.0, 5358.0, 5551.0, 5546.0, 5459.0, 5418.0, 5286.0, 5348.0, 5253.0, 5297.0, 5453.0, 5673.0, 5515.0 (number of hits: 5)
4	5550	9	1	333	1	5411.0, 5470.0, 5291.0, 5358.0, 5394.0, 5516.0, 5620.0, 5347.0, 5706.0, 5575.0, 5455.0, 5670.0, 5701.0, 5477.0, 5572.0, 5432.0, 5414.0, 5349.0, 5673.0, 5569.0, 5297.0, 5500.0, 5322.0, 5510.0, 5498.0, 5715.0, 5313.0, 5660.0, 5310.0, 5591.0, 5334.0, 5664.0, 5487.0, 5352.0, 5594.0, 5547.0, 5419.0, 5627.0, 5680.0, 5400.0, 5416.0, 5515.0, 5600.0, 5469.0, 5638.0, 5468.0, 5682.0, 5454.0, 5405.0, 5587.0, 5333.0, 5519.0, 5578.0, 5614.0, 5637.0, 5384.0, 5534.0, 5683.0, 5451.0, 5386.0, 5332.0, 5702.0, 5708.0, 5381.0, 5577.0, 5321.0, 5615.0, 5311.0, 5663.0, 5588.0, 5424.0, 5463.0, 5276.0, 5489.0, 5574.0, 5251.0, 5344.0, 5460.0, 5256.0, 5709.0, 5301.0, 5567.0, 5403.0, 5328.0, 5351.0, 5608.0, 5438.0, 5492.0, 5603.0, 5430.0, 5350.0, 5448.0, 5525.0, 5399.0, 5613.0, 5651.0, 5472.0, 5330.0, 5635.0, 5264.0 (number of hits: 6)
5	5550	9	1	333	1	5303.0, 5635.0, 5572.0, 5403.0, 5428.0, 5317.0, 5673.0, 5497.0, 5385.0, 5499.0, 5260.0, 5508.0, 5639.0, 5516.0, 5661.0, 5342.0, 5387.0, 5344.0, 5562.0, 5360.0, 5452.0, 5529.0, 5610.0, 5258.0, 5282.0, 5284.0, 5712.0, 5427.0, 5561.0, 5264.0, 5283.0, 5581.0, 5362.0, 5371.0, 5597.0, 5724.0, 5439.0, 5624.0, 5580.0, 5453.0, 5621.0, 5259.0, 5474.0, 5520.0, 5577.0, 5605.0, 5717.0, 5470.0, 5272.0, 5591.0, 5472.0, 5436.0, 5286.0, 5376.0, 5432.0, 5629.0, 5363.0, 5592.0, 5449.0, 5663.0, 5255.0, 5475.0, 5643.0, 5414.0, 5517.0, 5710.0, 5666.0, 5552.0, 5498.0, 5618.0, 5335.0, 5466.0, 5323.0, 5389.0, 5370.0, 5704.0, 5267.0, 5483.0, 5707.0, 5307.0, 5534.0, 5434.0, 5322.0, 5444.0, 5338.0, 5443.0, 5386.0, 5690.0, 5535.0, 5321.0, 5486.0, 5368.0, 5644.0, 5419.0, 5613.0, 5593.0, 5473.0, 5632.0, 5457.0, 5265.0 (number of hits: 3)
6	5550	9	1	333	1	5682.0, 5442.0, 5691.0, 5615.0, 5480.0, 5270.0, 5568.0, 5562.0, 5604.0, 5371.0, 5368.0, 5347.0, 5566.0, 5610.0, 5381.0, 5494.0, 5255.0, 5721.0, 5418.0, 5504.0, 5521.0, 5350.0, 5254.0, 5663.0, 5515.0, 5590.0, 5482.0, 5522.0, 5492.0, 5304.0, 5707.0, 5352.0, 5668.0, 5512.0, 5403.0, 5436.0, 5340.0, 5508.0, 5317.0, 5685.0,

						5546.0, 5693.0, 5461.0, 5577.0, 5257.0, 5600.0, 5302.0, 5511.0, 5698.0, 5262.0, 5704.0, 5660.0, 5612.0, 5417.0, 5398.0, 5450.0, 5290.0, 5646.0, 5344.0, 5538.0, 5359.0, 5669.0, 5664.0, 5548.0, 5674.0, 5424.0, 5585.0, 5527.0, 5564.0, 5435.0, 5662.0, 5697.0, 5696.0, 5369.0, 5432.0, 5440.0, 5271.0, 5547.0, 5268.0, 5458.0, 5365.0, 5282.0, 5451.0, 5534.0, 5472.0, 5544.0, 5650.0, 5555.0, 5588.0, 5576.0, 5569.0, 5583.0, 5466.0, 5487.0, 5516.0, 5510.0, 5341.0, 5427.0, 5367.0, 5692.0 (number of hits: 3)
7	5550	9	1	333	1	5616.0, 5623.0, 5315.0, 5550.0, 5595.0, 5385.0, 5403.0, 5369.0, 5297.0, 5416.0, 5406.0, 5428.0, 5475.0, 5486.0, 5300.0, 5451.0, 5335.0, 5646.0, 5548.0, 5557.0, 5703.0, 5564.0, 5606.0, 5577.0, 5680.0, 5634.0, 5682.0, 5571.0, 5532.0, 5665.0, 5647.0, 5288.0, 5629.0, 5621.0, 5461.0, 5327.0, 5637.0, 5630.0, 5254.0, 5506.0, 5502.0, 5478.0, 5681.0, 5609.0, 5273.0, 5401.0, 5655.0, 5321.0, 5477.0, 5351.0, 5439.0, 5398.0, 5507.0, 5525.0, 5319.0, 5258.0, 5286.0, 5435.0, 5448.0, 5717.0, 5539.0, 5399.0, 5602.0, 5456.0, 5338.0, 5663.0, 5344.0, 5311.0, 5536.0, 5404.0, 5692.0, 5328.0, 5583.0, 5651.0, 5455.0, 5352.0, 5660.0, 5312.0, 5260.0, 5520.0, 5419.0, 5714.0, 5687.0, 5528.0, 5299.0, 5546.0, 5370.0, 5674.0, 5572.0, 5540.0, 5341.0, 5379.0, 5511.0, 5684.0, 5715.0, 5438.0, 5362.0, 5361.0, 5544.0, 5516.0 (number of hits: 7)
8	5550	9	1	333	1	5462.0, 5337.0, 5334.0, 5288.0, 5338.0, 5353.0, 5440.0, 5319.0, 5449.0, 5452.0, 5369.0, 5503.0, 5398.0, 5582.0, 5669.0, 5374.0, 5268.0, 5470.0, 5606.0, 5489.0, 5371.0, 5275.0, 5663.0, 5387.0, 5615.0, 5445.0, 5613.0, 5457.0, 5571.0, 5548.0, 5556.0, 5331.0, 5553.0, 5671.0, 5383.0, 5683.0, 5578.0, 5658.0, 5567.0, 5311.0, 5451.0, 5366.0, 5657.0, 5554.0, 5299.0, 5314.0, 5624.0, 5690.0, 5531.0, 5356.0, 5471.0, 5686.0, 5637.0, 5664.0, 5576.0, 5698.0, 5703.0, 5496.0, 5523.0, 5474.0, 5653.0, 5594.0, 5505.0, 5402.0, 5296.0, 5577.0, 5533.0, 5333.0, 5646.0, 5479.0, 5282.0, 5376.0, 5278.0, 5279.0, 5355.0, 5291.0, 5263.0, 5525.0, 5543.0, 5611.0, 5692.0, 5724.0, 5600.0, 5682.0, 5684.0, 5266.0, 5636.0, 5423.0, 5330.0, 5687.0, 5412.0, 5639.0, 5325.0, 5608.0, 5507.0, 5715.0, 5604.0, 5345.0, 5425.0, 5340.0 (number of hits: 6)
9	5550	9	1	333	1	5483.0, 5290.0, 5682.0, 5298.0, 5655.0, 5546.0, 5285.0, 5354.0, 5305.0, 5555.0, 5707.0, 5395.0, 5402.0, 5420.0, 5466.0, 5440.0, 5609.0, 5268.0, 5376.0, 5294.0,

						5261.0, 5382.0, 5370.0, 5296.0, 5264.0, 5509.0, 5556.0, 5667.0, 5530.0, 5554.0, 5424.0, 5280.0, 5691.0, 5481.0, 5508.0, 5528.0, 5287.0, 5694.0, 5349.0, 5442.0, 5257.0, 5568.0, 5673.0, 5584.0, 5400.0, 5404.0, 5524.0, 5403.0, 5323.0, 5322.0, 5563.0, 5437.0, 5500.0, 5590.0, 5367.0, 5628.0, 5677.0, 5419.0, 5622.0, 5706.0, 5626.0, 5679.0, 5410.0, 5721.0, 5656.0, 5374.0, 5461.0, 5539.0, 5300.0, 5684.0, 5702.0, 5714.0, 5478.0, 5507.0, 5599.0, 5453.0, 5337.0, 5292.0, 5394.0, 5604.0, 5553.0, 5297.0, 5448.0, 5680.0, 5282.0, 5501.0, 5425.0, 5582.0, 5377.0, 5389.0, 5611.0, 5439.0, 5512.0, 5450.0, 5645.0, 5320.0, 5621.0, 5393.0, 5467.0, 5683.0 (number of hits: 10)
10	5550	9	1	333	1	5487.0, 5656.0, 5427.0, 5585.0, 5339.0, 5568.0, 5701.0, 5673.0, 5666.0, 5607.0, 5308.0, 5298.0, 5381.0, 5651.0, 5307.0, 5288.0, 5674.0, 5553.0, 5490.0, 5460.0, 5390.0, 5340.0, 5400.0, 5559.0, 5582.0, 5434.0, 5714.0, 5302.0, 5468.0, 5657.0, 5388.0, 5408.0, 5637.0, 5715.0, 5665.0, 5418.0, 5550.0, 5488.0, 5464.0, 5271.0, 5485.0, 5575.0, 5672.0, 5392.0, 5703.0, 5362.0, 5395.0, 5509.0, 5719.0, 5420.0, 5580.0, 5567.0, 5531.0, 5466.0, 5450.0, 5380.0, 5251.0, 5365.0, 5662.0, 5433.0, 5502.0, 5507.0, 5602.0, 5331.0, 5720.0, 5421.0, 5675.0, 5370.0, 5312.0, 5552.0, 5588.0, 5320.0, 5521.0, 5676.0, 5548.0, 5303.0, 5519.0, 5478.0, 5671.0, 5696.0, 5496.0, 5655.0, 5606.0, 5556.0, 5520.0, 5453.0, 5608.0, 5471.0, 5601.0, 5505.0, 5668.0, 5710.0, 5680.0, 5499.0, 5335.0, 5446.0, 5681.0, 5525.0, 5690.0, 5297.0 (number of hits: 8)
11	5550	9	1	333	1	5559.0, 5364.0, 5393.0, 5691.0, 5517.0, 5420.0, 5659.0, 5391.0, 5400.0, 5347.0, 5507.0, 5326.0, 5443.0, 5351.0, 5496.0, 5544.0, 5447.0, 5642.0, 5510.0, 5683.0, 5534.0, 5410.0, 5433.0, 5631.0, 5573.0, 5662.0, 5384.0, 5620.0, 5700.0, 5330.0, 5593.0, 5472.0, 5649.0, 5421.0, 5701.0, 5494.0, 5375.0, 5516.0, 5669.0, 5569.0, 5614.0, 5253.0, 5463.0, 5357.0, 5359.0, 5336.0, 5572.0, 5626.0, 5568.0, 5526.0, 5444.0, 5582.0, 5574.0, 5657.0, 5319.0, 5358.0, 5283.0, 5696.0, 5656.0, 5611.0, 5624.0, 5724.0, 5314.0, 5483.0, 5505.0, 5471.0, 5327.0, 5401.0, 5288.0, 5538.0, 5540.0, 5300.0, 5442.0, 5382.0, 5387.0, 5360.0, 5337.0, 5535.0, 5586.0, 5406.0, 5595.0, 5286.0, 5432.0, 5350.0, 5285.0, 5506.0, 5388.0, 5459.0, 5563.0, 5292.0, 5272.0, 5545.0, 5493.0, 5557.0, 5536.0, 5549.0, 5509.0, 5485.0, 5426.0, 5707.0 (number of hits: 6)

12	5550	9	1	333	1	5339.0, 5570.0, 5653.0, 5499.0, 5669.0, 5360.0, 5496.0, 5652.0, 5308.0, 5698.0, 5588.0, 5471.0, 5593.0, 5446.0, 5638.0, 5462.0, 5528.0, 5330.0, 5544.0, 5409.0, 5294.0, 5522.0, 5628.0, 5510.0, 5514.0, 5633.0, 5371.0, 5296.0, 5415.0, 5480.0, 5403.0, 5469.0, 5530.0, 5685.0, 5348.0, 5608.0, 5641.0, 5545.0, 5385.0, 5654.0, 5615.0, 5508.0, 5595.0, 5568.0, 5631.0, 5411.0, 5455.0, 5331.0, 5660.0, 5573.0, 5337.0, 5671.0, 5567.0, 5694.0, 5707.0, 5358.0, 5390.0, 5322.0, 5681.0, 5388.0, 5414.0, 5320.0, 5620.0, 5598.0, 5271.0, 5333.0, 5498.0, 5401.0, 5484.0, 5525.0, 5720.0, 5432.0, 5363.0, 5539.0, 5253.0, 5537.0, 5278.0, 5381.0, 5343.0, 5345.0, 5400.0, 5298.0, 5649.0, 5374.0, 5589.0, 5519.0, 5672.0, 5464.0, 5650.0, 5531.0, 5490.0, 5543.0, 5254.0, 5557.0, 5611.0, 5559.0, 5601.0, 5377.0, 5686.0, 5509.0 (number of hits: 4)
13	5550	9	1	333	1	5402.0, 5272.0, 5356.0, 5278.0, 5566.0, 5338.0, 5656.0, 5481.0, 5588.0, 5421.0, 5483.0, 5288.0, 5408.0, 5688.0, 5405.0, 5274.0, 5683.0, 5487.0, 5680.0, 5514.0, 5673.0, 5433.0, 5592.0, 5459.0, 5662.0, 5539.0, 5412.0, 5479.0, 5346.0, 5395.0, 5659.0, 5289.0, 5463.0, 5512.0, 5354.0, 5723.0, 5452.0, 5543.0, 5671.0, 5618.0, 5589.0, 5657.0, 5689.0, 5426.0, 5511.0, 5398.0, 5469.0, 5285.0, 5493.0, 5612.0, 5650.0, 5691.0, 5503.0, 5708.0, 5301.0, 5706.0, 5678.0, 5653.0, 5510.0, 5595.0, 5609.0, 5449.0, 5360.0, 5276.0, 5681.0, 5690.0, 5437.0, 5562.0, 5326.0, 5520.0, 5292.0, 5388.0, 5537.0, 5594.0, 5454.0, 5628.0, 5581.0, 5400.0, 5658.0, 5384.0, 5357.0, 5677.0, 5587.0, 5332.0, 5694.0, 5508.0, 5505.0, 5700.0, 5317.0, 5553.0, 5335.0, 5446.0, 5264.0, 5468.0, 5472.0, 5630.0, 5717.0, 5300.0, 5622.0, 5593.0 (number of hits: 6)
14	5550	9	1	333	1	5612.0, 5512.0, 5306.0, 5666.0, 5363.0, 5310.0, 5684.0, 5428.0, 5258.0, 5269.0, 5546.0, 5653.0, 5526.0, 5507.0, 5286.0, 5530.0, 5449.0, 5605.0, 5470.0, 5595.0, 5281.0, 5338.0, 5433.0, 5706.0, 5295.0, 5604.0, 5278.0, 5423.0, 5561.0, 5471.0, 5618.0, 5659.0, 5724.0, 5292.0, 5491.0, 5307.0, 5649.0, 5359.0, 5698.0, 5337.0, 5591.0, 5500.0, 5351.0, 5301.0, 5677.0, 5680.0, 5381.0, 5703.0, 5552.0, 5516.0, 5527.0, 5589.0, 5565.0, 5405.0, 5540.0, 5581.0, 5636.0, 5569.0, 5557.0, 5455.0, 5697.0, 5699.0, 5341.0, 5524.0, 5305.0, 5716.0, 5412.0, 5443.0, 5452.0, 5409.0, 5586.0, 5252.0, 5667.0, 5502.0, 5461.0, 5492.0, 5550.0, 5599.0, 5267.0, 5400.0, 5463.0, 5429.0, 5406.0, 5454.0, 5272.0,

						5510.0, 5624.0, 5324.0, 5503.0, 5390.0, 5679.0, 5664.0, 5506.0, 5257.0, 5330.0, 5705.0, 5477.0, 5317.0, 5572.0, 5395.0 (number of hits: 8)
15	5550	9	1	333	1	5692.0, 5347.0, 5453.0, 5355.0, 5496.0, 5644.0, 5307.0, 5708.0, 5525.0, 5461.0, 5332.0, 5514.0, 5582.0, 5316.0, 5294.0, 5590.0, 5391.0, 5651.0, 5613.0, 5682.0, 5690.0, 5495.0, 5434.0, 5669.0, 5350.0, 5696.0, 5255.0, 5675.0, 5663.0, 5506.0, 5336.0, 5539.0, 5541.0, 5272.0, 5314.0, 5257.0, 5648.0, 5634.0, 5327.0, 5498.0, 5528.0, 5432.0, 5390.0, 5562.0, 5597.0, 5290.0, 5261.0, 5481.0, 5650.0, 5693.0, 5519.0, 5447.0, 5505.0, 5430.0, 5295.0, 5625.0, 5558.0, 5581.0, 5630.0, 5475.0, 5584.0, 5665.0, 5474.0, 5253.0, 5251.0, 5603.0, 5303.0, 5288.0, 5424.0, 5668.0, 5564.0, 5617.0, 5273.0, 5614.0, 5580.0, 5642.0, 5628.0, 5684.0, 5695.0, 5611.0, 5297.0, 5329.0, 5339.0, 5426.0, 5662.0, 5311.0, 5639.0, 5466.0, 5548.0, 5660.0, 5479.0, 5635.0, 5659.0, 5366.0, 5450.0, 5277.0, 5491.0, 5709.0, 5589.0, 5545.0 (number of hits: 9)
16	5550	9	1	333	1	5632.0, 5557.0, 5355.0, 5358.0, 5521.0, 5514.0, 5452.0, 5484.0, 5439.0, 5702.0, 5711.0, 5568.0, 5684.0, 5432.0, 5516.0, 5415.0, 5539.0, 5299.0, 5257.0, 5518.0, 5382.0, 5708.0, 5607.0, 5302.0, 5690.0, 5581.0, 5334.0, 5369.0, 5368.0, 5420.0, 5590.0, 5475.0, 5371.0, 5637.0, 5648.0, 5675.0, 5650.0, 5489.0, 5693.0, 5325.0, 5297.0, 5666.0, 5375.0, 5440.0, 5288.0, 5531.0, 5386.0, 5274.0, 5494.0, 5435.0, 5272.0, 5400.0, 5559.0, 5621.0, 5686.0, 5267.0, 5659.0, 5587.0, 5436.0, 5714.0, 5411.0, 5696.0, 5617.0, 5717.0, 5529.0, 5444.0, 5370.0, 5651.0, 5467.0, 5567.0, 5392.0, 5410.0, 5331.0, 5425.0, 5342.0, 5688.0, 5463.0, 5547.0, 5309.0, 5585.0, 5431.0, 5256.0, 5537.0, 5387.0, 5640.0, 5319.0, 5689.0, 5586.0, 5638.0, 5571.0, 5610.0, 5265.0, 5589.0, 5424.0, 5384.0, 5487.0, 5462.0, 5339.0, 5552.0, 5414.0 (number of hits: 5)
17	5550	9	1	333	1	5652.0, 5557.0, 5376.0, 5567.0, 5657.0, 5256.0, 5603.0, 5717.0, 5684.0, 5489.0, 5602.0, 5669.0, 5577.0, 5721.0, 5660.0, 5464.0, 5534.0, 5723.0, 5677.0, 5483.0, 5291.0, 5494.0, 5469.0, 5588.0, 5262.0, 5663.0, 5335.0, 5485.0, 5542.0, 5431.0, 5711.0, 5670.0, 5456.0, 5671.0, 5328.0, 5576.0, 5595.0, 5470.0, 5463.0, 5556.0, 5353.0, 5347.0, 5495.0, 5413.0, 5402.0, 5258.0, 5351.0, 5309.0, 5398.0, 5354.0, 5527.0, 5390.0, 5476.0, 5270.0, 5277.0, 5524.0, 5586.0, 5562.0, 5600.0, 5571.0, 5324.0, 5672.0, 5362.0, 5329.0, 5520.0,

						5575.0, 5318.0, 5507.0, 5678.0, 5580.0, 5273.0, 5453.0, 5403.0, 5408.0, 5668.0, 5467.0, 5599.0, 5395.0, 5343.0, 5687.0, 5406.0, 5611.0, 5434.0, 5695.0, 5659.0, 5515.0, 5681.0, 5610.0, 5452.0, 5417.0, 5466.0, 5690.0, 5458.0, 5426.0, 5414.0, 5707.0, 5360.0, 5289.0, 5560.0, 5508.0 (number of hits: 3)
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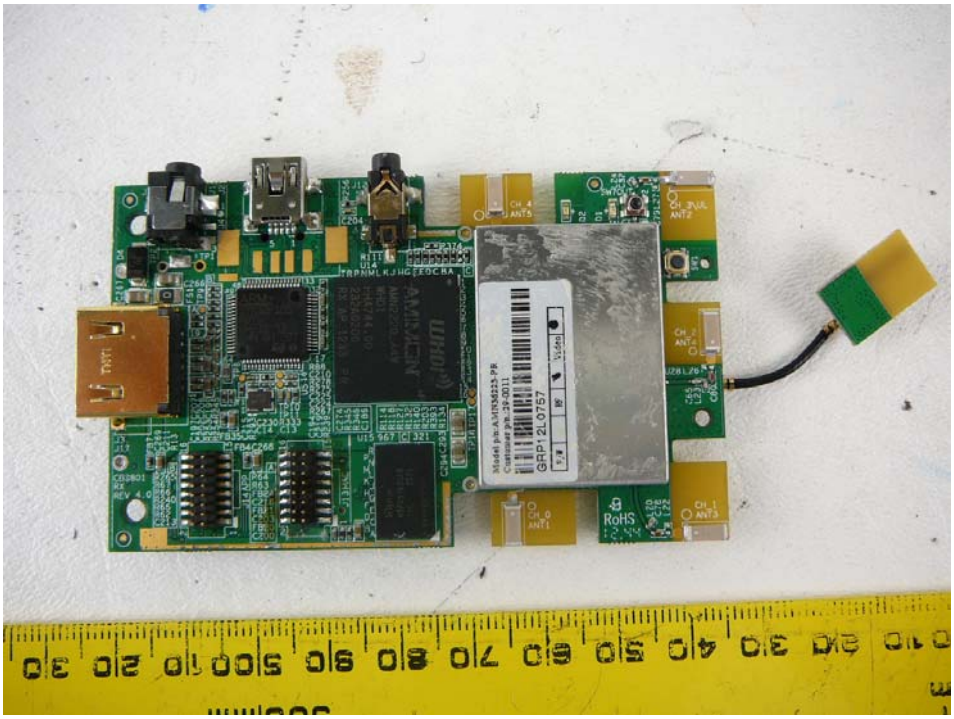
10 Appendix A - Test Setup Photographs

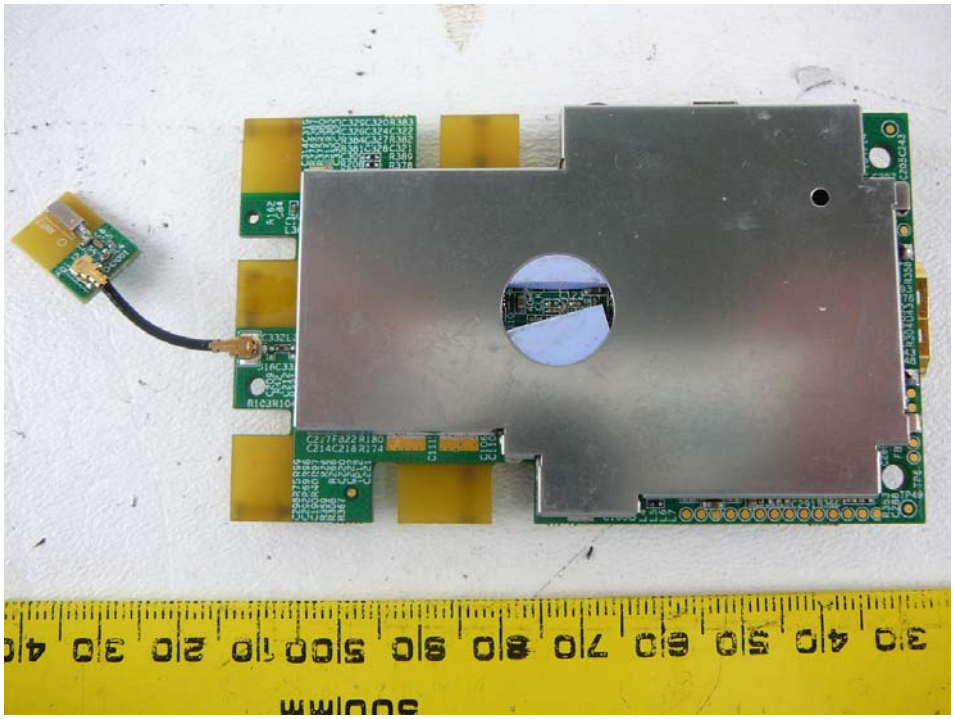
10.1 Test Setup View

11 Appendix B - EUT Photographs

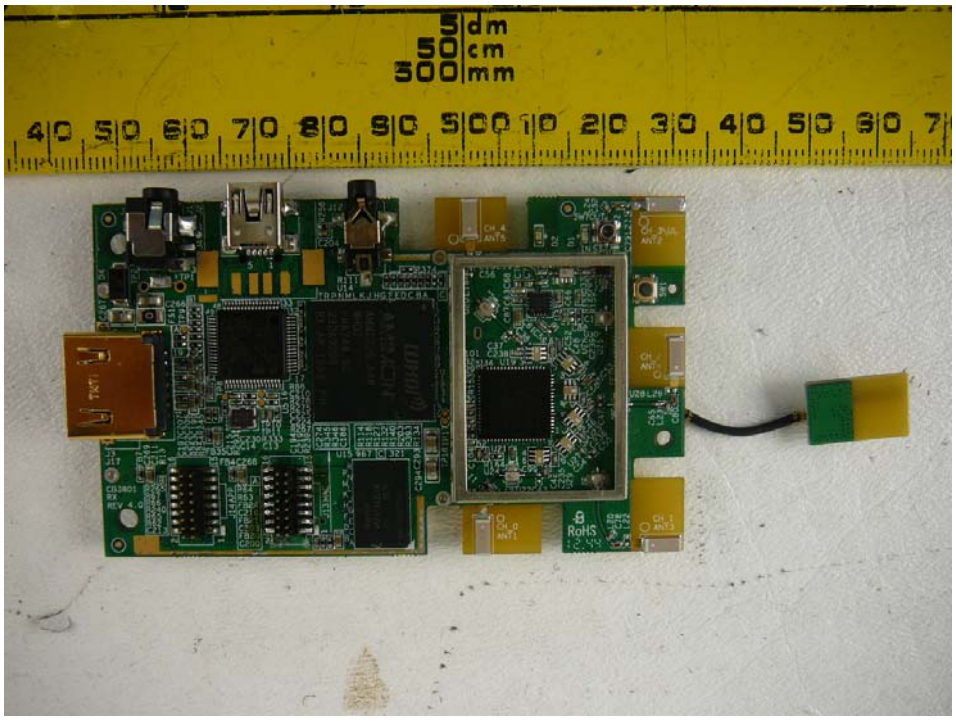
11.1 EUT Top View



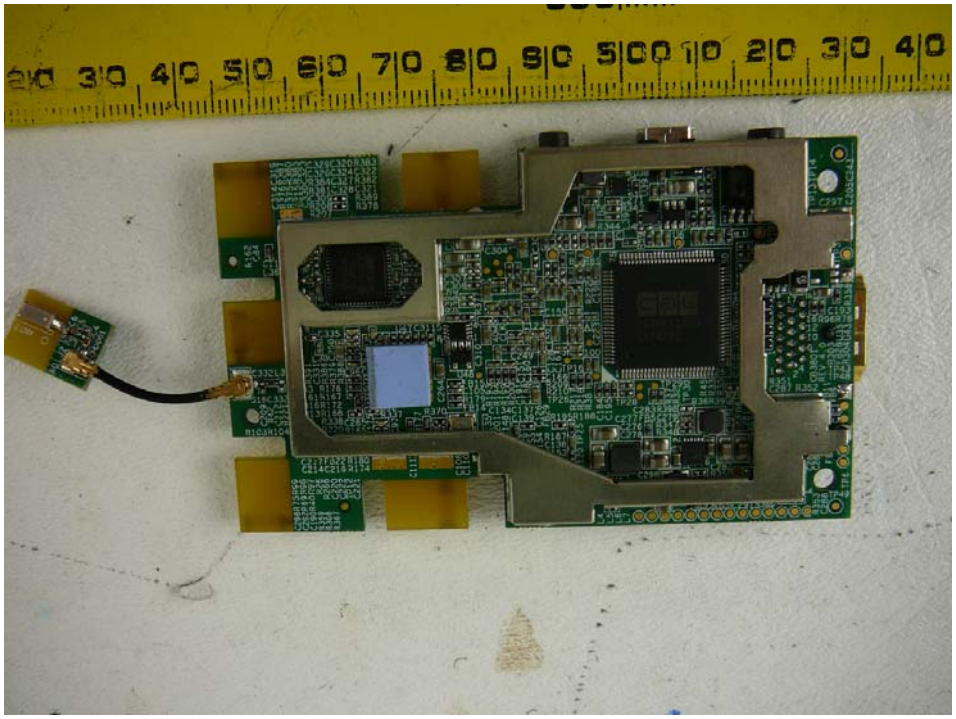
11.2 EUT Bottom View



11.3 EUT Top View (without Shielding)

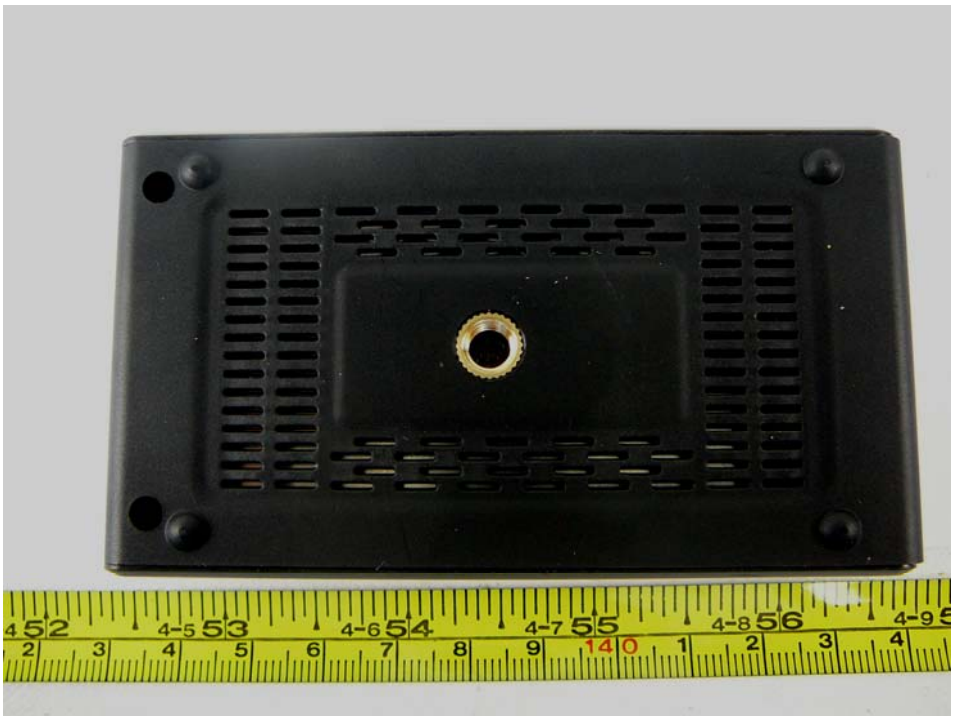


11.4 EUT Bottom View (without shielding)



11.5 EUT with Plastic Enclosure Front View

11.6 EUT with Plastic Enclosure Bottom View



11.7 EUT with Plastic Enclosure Port View 1

11.8 EUT with Plastic Enclosure Port View

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