RADIO TEST REPORT

Test Report No. : 11832513H-C

Applicant	:	**silex technology, Inc.**
Type of Equipment	:	**PCI Express Half mini card WLAN module**
Model No.	:	**SX-PCEAN2**
FCC ID	:	**N6C-SXPCEAN2**
Test regulation	:	**FCC Part 15 Subpart E: 2017** **DFS test only *Master** **(Class II permissive change)**
Test Result	:	**Complied**

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2. The results in this report apply only to the sample tested.
3. This sample tested is in compliance with above regulation.
4. The test results in this report are traceable to the national or international standards.
5. This test report must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.
6. This test report covers Radio technical requirements. It does not cover administrative issues such as Manual or non-Radio test related Requirements. (if applicable)

Date of test: July 13 and 14, 2017

Representative test engineer:

Takumi Shimada
Engineer
Consumer Technology Division

Approved by:

Tsubasa Takayama
Engineer
Consumer Technology Division

NVLAP LAB CODE: 200572-0

This laboratory is accredited by the NVLAP LAB CODE 200572-0, U.S.A. The tests reported herein have been performed in accordance with its terms of accreditation.
*As for the range of Accreditation in NVLAP, you may refer to the WEB address,
http://japan.ul.com/resources/emc_accredited/

REVISION HISTORY

Original Test Report No.: 11832513H-C

Revision	Test report No.	Date	Page revised	Contents
- (Original)	11832513H-C	August 29, 2017	-	-

CONTENTS **PAGE**

SECTION 1: Customer information

Company Name	:	silex technology, Inc.
Address	:	2-3-1 Hikaridai, Seika-cho, Kyoto 619-0237, Japan
Telephone Number	:	+81-774-98-3878
Facsimile Number	:	+81-774-98-3758
Contact Person	:	Toshiro Kometani

SECTION 2: Equipment under test (E.U.T.)

2.1 Identification of E.U.T.

Type of Equipment	:	PCI Express Half mini card WLAN module
Model No.	:	SX-PCEAN2
Serial No.	:	Refer to Section 4, Clause 4.2
Rating	:	DC 3.3 V
Receipt Date of Sample	:	July 26, 2017
Country of Mass-production	:	Japan
Condition of EUT	:	Production prototype (Not for Sale: This sample is equivalent to mass-produced items.)
Modification of EUT	:	No Modification by the test lab

2.2 Product Description

General Specification

Clock frequency(ies) in the system	:	40MHz

Radio Specification

Radio Type	:	Transceiver
Method of Frequency Generation	:	Synthesizer
Power Supply (inner)	:	DC1.2V

Radio Specification

	IEEE802.11b	IEEE802.11g/n (20 M band)	IEEE802.11a/n (20 M band)	IEEE802.11n (40 M band)
Frequency of operation	2412 MHz -2462 MHz	2412 MHz -2462 MHz	5180 MHz -5240 MHz 5260 MHz -5320 MHz *1) 5500 MHz -5700 MHz *1) 5745 MHz -5825 MHz	2422 MHz - 2452 MHz 5190 MHz -5230 MHz 5270 MHz -5310 MHz *1) 5510 MHz -5670 MHz *1) 5755 MHz -5795 MHz
Type of modulation	DSSS (CCK, DQPSK, DBPSK)	OFDM-CCK (64QAM, 16QAM, QPSK, BPSK)	OFDM (64QAM, 16QAM, QPSK, BPSK)	
Channel spacing	5 MHz		20 MHz	2.4 GHz: 5 MHz 5 GHz: 40 MHz
Antenna type	Dipole antenna : STAF corporation			
Antenna Gain	2.4 GHz: 0.4 dBi (Max), -2.00 dB (Min) 5 GHz: 0.76 dBi (Max), -3.07 dB (Min)			
Antenna Connector type	SMA-P (REVERSE)			

*1) 5260-5320MHz, 5270-5310MHz, 5500-5700MHz, and 5510-5670MHz are applied for this test report.

SECTION 3: Scope of Report

This report only covers DFS Master Device requirement, as specified by the following referenced procedures.

SECTION 4: Test specification, procedures & results

4.1 Test Specification

Test Specification	:	FCC Part 15 Subpart E FCC Part 15 final revised on June 14, 2017 and effective July 14, 2017 * The revision on June 14, 2017, does not affect the test specification applied to the EUT.
Title	:	FCC 47CFR Part15 Radio Frequency Device Subpart E Unlicensed National Information Infrastructure Devices Section 15.407 General technical requirements
Test Specification	:	KDB905462 D02 UNII DFS Compliance Procedures New Rules v02
Title	:	COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350MHz AND 5470-5725MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION
Test Specification	:	KDB905462 D03 Client Without DFS New Rules v01r02
Title	:	U-NII CLIENT DEVICES WITHOUT RADAR DETECTION CAPABILITY
Test Specification	:	KDB905462 D04 Operational Modes for DFS Testing New Rules v01
Title	:	OPERATIONAL MODES SUGGESTED FOR DFS TESTING

FCC 15.31 (e)
The RF Module has own regulator.
The RF Module is constantly provided voltage through own regulator regardless of input voltage (DC 3.3 V).
Therefore, this EUT complies with the requirement.

FCC Part 15.203/212 Antenna requirement
The EUT has a unique antenna connector (SMA-P (REVERSE)).
Therefore the equipment complies with the requirement of 15.203.

4.2 Procedures and results

Table 1: Applicability of DFS Requirements

<Master mode>

Requirement	Operating Mode Master	Test Procedures & Limits	Deviation	Results
U-NII Detection Bandwidth	Yes	KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
Initial Channel Availability Check Time	Yes	FCC15.407 (h) KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
Radar Burst at the Beginning of the Channel Availability Check Time	Yes	FCC15.407 (h) KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
Radar Burst at the End of the Channel Availability Check Time	Yes	FCC15.407 (h) KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
In-Service Monitoring for Channel Move Time, Channel Closing Transmission Time	Yes	FCC15.407 (h) KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
In-Service Monitoring for Non-Occupancy period	Yes	FCC15.407 (h) KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
Statistical Performance Check	Yes	FCC15.407 (h) KDB905462 D02 UNII DFS Compliance Procedures New Rules v02	N/A	Complied
Note: UL Japan, Inc.'s EMI Work Procedures No. 13-EM-W0422.				

Table 2 DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection

Maximum Transmit Power	Value (See Notes 1,2, and 3)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt and power spectral density < 10dBm/MHz	-62 dBm
< 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response. Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.	

Table 3 DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth See Note 3
Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst. **Note 2:** The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signal will not count quiet periods in between transmissions. **Note 3:** During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

Table 4 Short Pulse Radar Test Waveform

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

Table 5 Long Pulse Radar Test Waveform

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

Table 6 Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulse per Hop (kHz)	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

4.3 Addition to standard

No addition, exclusion nor deviation has been made from the standard.

4.3 Test Location

UL Japan, Inc. Ise EMC Lab. *NVLAP Lab. code: 200572-0
4383-326 Asama-cho, Ise-shi, Mie-ken 516-0021 JAPAN
Telephone : +81 596 24 8999 Facsimile : +81 596 24 8124

	IC Registration Number	Width x Depth x Height (m)	Size of reference ground plane (m) / horizontal conducting plane	Other rooms
No.1 semi-anechoic chamber	2973C-1	19.2 x 11.2 x 7.7m	7.0 x 6.0m	No.1 Power source room
No.2 semi-anechoic chamber	2973C-2	7.5 x 5.8 x 5.2m	4.0 x 4.0m	-
No.3 semi-anechoic chamber	2973C-3	12.0 x 8.5 x 5.9m	6.8 x 5.75m	No.3 Preparation room
No.3 shielded room	-	4.0 x 6.0 x 2.7m	N/A	-
No.4 semi-anechoic chamber	2973C-4	12.0 x 8.5 x 5.9m	6.8 x 5.75m	No.4 Preparation room
No.4 shielded room	-	4.0 x 6.0 x 2.7m	N/A	-
No.5 semi-anechoic chamber	-	6.0 x 6.0 x 3.9m	6.0 x 6.0m	-
No.6 shielded room	-	4.0 x 4.5 x 2.7m	4.0 x 4.5 m	-
No.6 measurement room	-	4.75 x 5.4 x 3.0m	4.75 x 4.15 m	-
No.7 shielded room	-	4.7 x 7.5 x 2.7m	4.7 x 7.5m	-
No.8 measurement room	-	3.1 x 5.0 x 2.7m	N/A	-
No.9 measurement room	-	8.0 x 4.6 x 2.8m	2.4 x 2.4m	-
No.11 measurement room	-	6.2 x 4.7 x 3.0m	4.8 x 4.6m	-

* Size of vertical conducting plane (for Conducted Emission test) : 2.0 x 2.0m for No.1, No.2, No.3, and No.4 semi-anechoic chambers and No.3 and No.4 shielded rooms.

4.4 Uncertainty

The following uncertainties have been calculated to provide a confidence level of 95% using a coverage factor k=2.
Time Measurement uncertainty for this test was: (±) 0.012%

4.5 Data of DFS test, Test instruments of DFS, Test set up

Refer to APPENDIX.

SECTION 5: Operation of E.U.T. during testing

5.1 Operating Modes

For FCC the EUT operates over the 5250 MHz -5350 MHz and 5470 MHz -5725 MHz ranges.

Power level(EIRP) of the EUT[dBm]

5250 MHz -5350 MHz Band *1)	
Output Power (Max)	
11n-20	11n-40
17.62	15.26

5470 MHz -5725 MHz Band *1)	
Output Power (Max)	
11n-20	11n-40
17.05	14.66

*EIRP is based on the highest antenna gain.

*1) Refer to10604551H-B-R2 (This test report is original test report for this model.), FCC Part 15E (FCC 15.407) report for other parts than DFS.

The channel-loading of approximately 17% or greater was used for testing, and its test data was transferred from the Master Device to the Client Device for all test configurations.

The EUT utilizes the 802.11n architecture, with a 20MHz and 40MHz channel bandwidth.

WLAN traffic is generated by random data transfer from the Master to the Client.

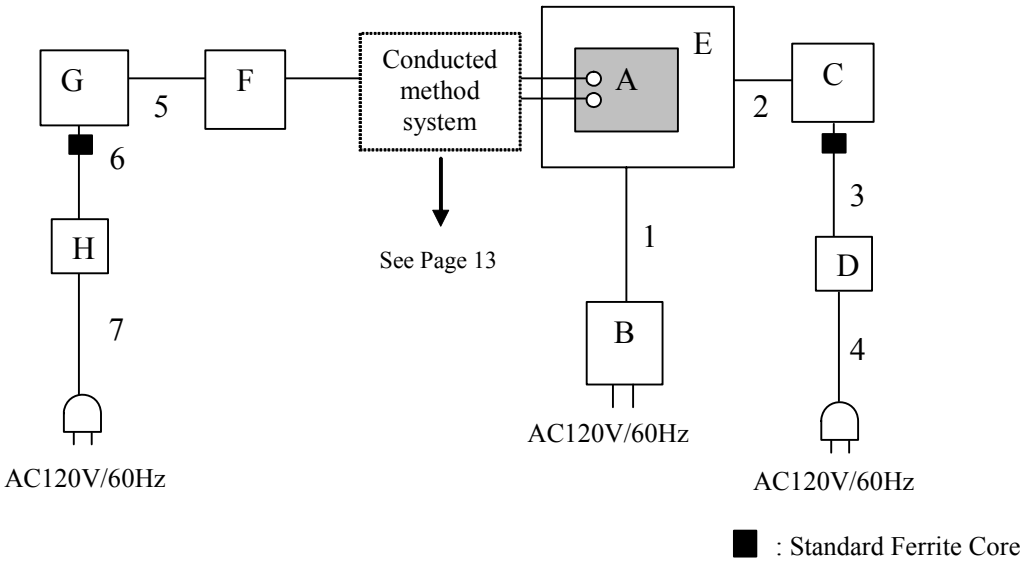
1. In case of Master mode

The rated output power of the Master Device is <200mW(23dBm) and power spectral density of the Master Device is <10dBm/MHz. However, worst condition was selected for interference threshold level and antenna gain according to the customer's request. Therefore the required interference threshold level is -63 dBm. After correction for antenna gain and procedural adjustments, the required conducted threshold at the antenna port is -64 + 1 + (-3.07) = -66.07 dBm (threshold level + additional 1dB + antenna gain).

It is impossible for users to change DFS control, because the DFS function is written on the firmware and users cannot access it.

The EUT was set by the software as follows:
Software name & version: iPerf

5.2 Configuration and peripherals



Description of EUT and Support equipment

No.	Item	Model number	Serial number	Manufacturer	Remarks
A	PCI Express Half mini card WLAN module	SX-PCEAN2	M7011538	silex technology, Inc.	EUT
B	AC Adaptor	STA-24010U	1515	UMEZAWA-MUSEN	-
C	Laptop PC	CF-N8HWCDP	0BKSA08702	Panasonic	-
D	AC Adaptor	CF-AA6372B	6372BM409X21200B	Panasonic	-
E	Transfer Unit	CSU-100	ES2-19	muratec	-
F	Laptop PC	CF-N8HWCDPS	9LKSA04645	Panasonic	-
G	Wireless LAN Adaptor	WI-U3-866D	A40707	Buffalo	-
H	AC Adaptor	CF-AA6372B	6372BM610214975E	Panasonic	-

List of cables used

No.	Name	Length (m)	Shield		Remarks
			Cable	Connector	
1	DC Cable	2.4	Unshielded	Unshielded	-
2	LAN Cable	3.0	Unshielded	Unshielded	-
3	DC Cable	1.0	Unshielded	Unshielded	-
4	AC Cable	0.8	Unshielded	Unshielded	-
5	USB Cable	0.5	Shielded	Shielded	-
6	DC Cable	1.0	Unshielded	Unshielded	-
7	AC Cable	0.8	Unshielded	Unshielded	-

5.3 Test and Measurement System

SYSTEM OVERVIEW

The measurement system is based on a conducted test method.

The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution. The short pulse types 1, 2, 3, and 4, the long pulse type 5, and the frequency hopping type 6 parameters are randomized at run-time.

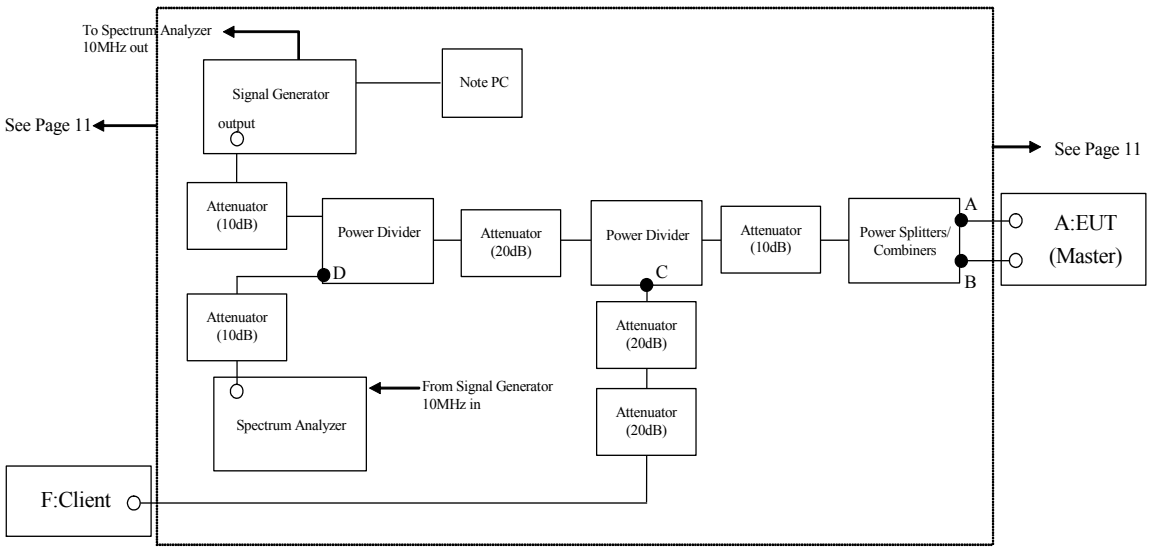
The signal monitoring equipment consists of a spectrum analyzer with the capacity to display 8001 bins on the horizontal axis. A time-domain resolution of 2 msec/bin is achievable with a 16 second sweep time, meeting the 10 seconds short pulse reporting criteria. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection.

FREQUENCY HOPPING RADAR WAVEFORM GENERATING SUBSYSTEM

The first 100 frequencies are selected out of the hopping sequence of the randomized 475 hop frequencies.
Only a *Burst* that has the frequency falling within the receiver bandwidth of the tested U-NII device is selected among those frequencies. (Frequency-domain simulation). The radar waveform generated at the start time of the selected *Burst* (Time-domain simulation) is download to the Signal Generator.
If all of the randomly selected 100 frequencies do not fall within the receiver bandwidth of the U-NII device, the radar waveform is not used for the test.

CONDUCTED METHODS SYSTEM BLOCK DIAGRM

<Master mode>



MEASUREMENT SYSTEM FREQUENCY REFERENCE

Lock the signal generator and the spectrum analyzer to the same reference sources as follows: Connect the 10MHz OUT on the signal generator to the 10MHz IN on the spectrum analyzer and set the spectrum analyzer 10MHz In to On.

SYSTEM CALIBRATION

<Master mode>
Step 1:Set the system as shown in Figure 2 of KDB905462 D02 7.2.1.

Step 2: Adjust each attenuator to fulfill the following three conditions:
- WLAN can be communicated, and
- Rader detection threshold level is bigger than Master Device traffic level on the spectrum analyzer, and
- Client Device traffic level is not displayed on the spectrum analyzer.

Step 3: Terminate 50 ohm at B, C, and D points, and connect the spectrum analyzer to the point A. (See the figure on page 13)
At the point A, adjust the signal generator and spectrum analyzer to the center frequency of the channel to be measured.
Download the applicable radar waveforms to the signal generator. Select the radar waveform, trigger a burst manually and measure the amplitude on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold.
Separate signal generator amplitude settings are determined as required for each radar type.

Terminate at the points A, C, and D and confirm at the point B if it has the same value as point A.
If necessary, add the attenuator to make the same level.

Step 4: Without changing any of the instrument settings, restore the system setting to Step 2 and adjust the Reference Level Offset of the spectrum analyzer to the level at Step 3.

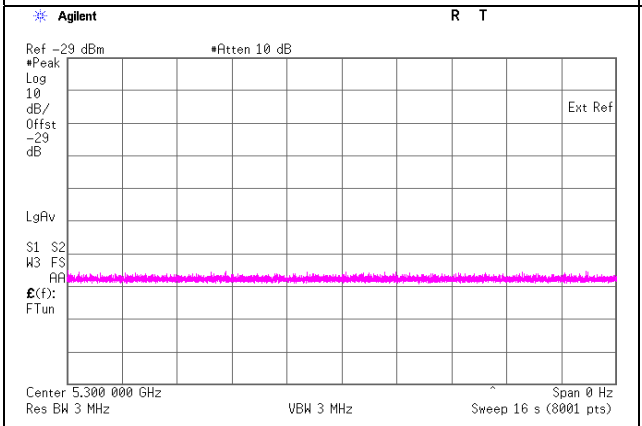
By taking the above steps 1 to 4, the spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device.

See Clause 5.4 for Plots of Noise, Rader Waveforms, and WLAN signals.

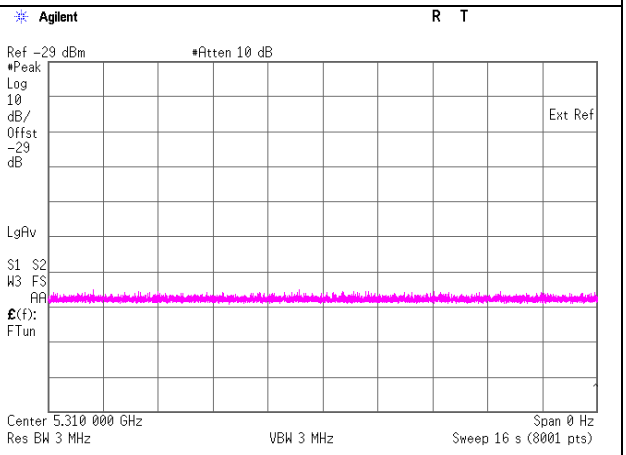
5.4 Plots of Noise, Rader Waveforms, and WLAN signals

Plots of System Noise Floor

20MHz Bandwidth

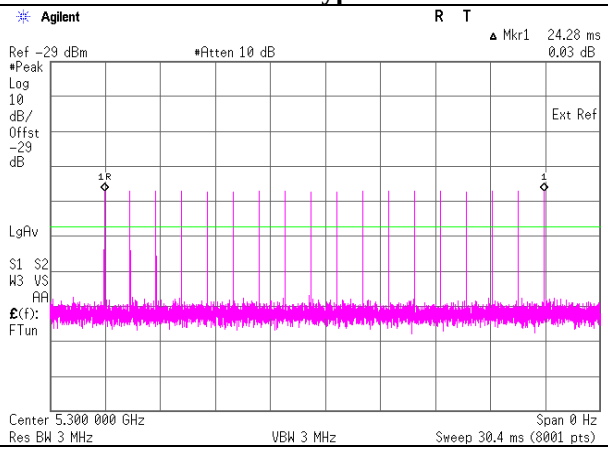


40MHz Bandwidth

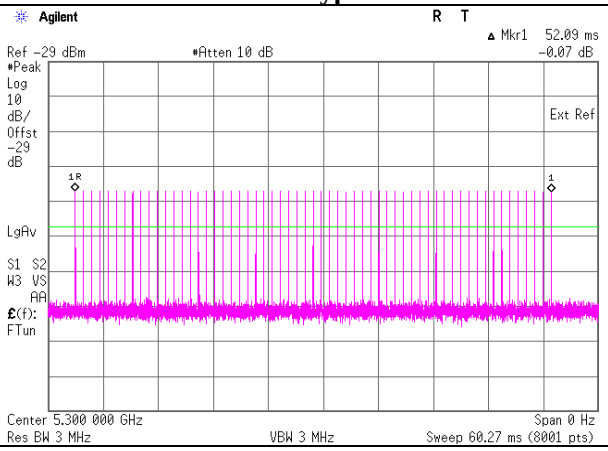


Plots of Radar Waveforms

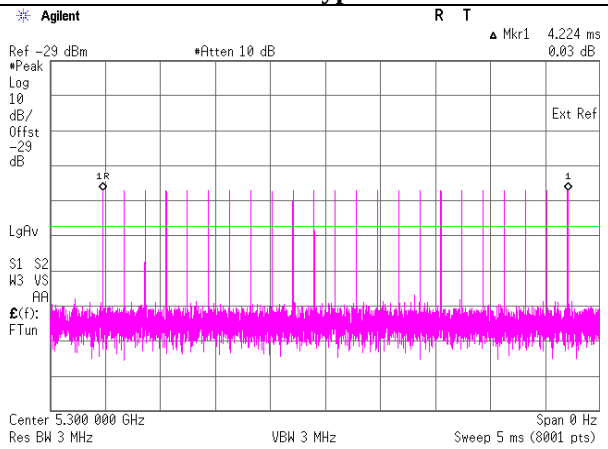
Rader Type 0



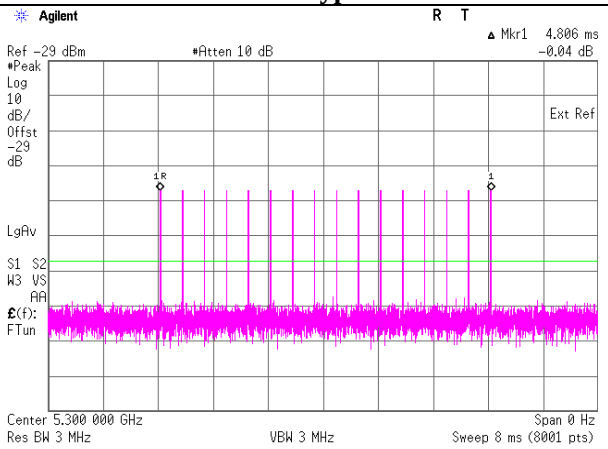
Rader Type 1



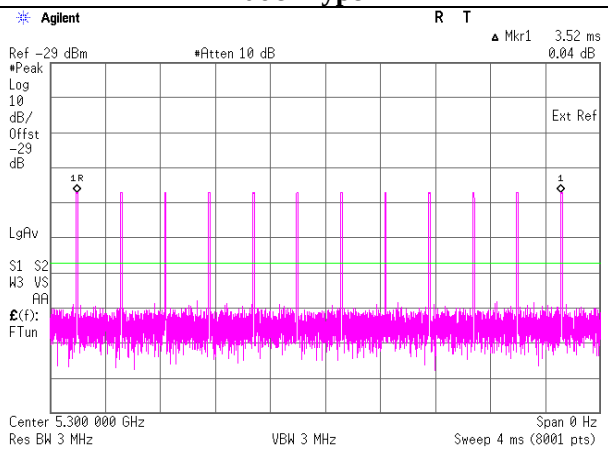
Rader Type 2



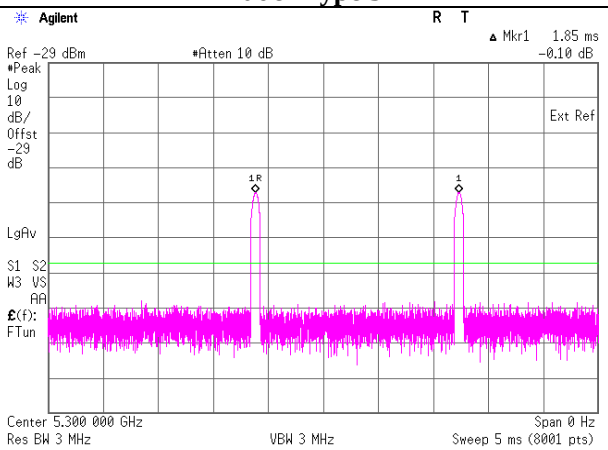
Rader Type 3



Rader Type 4

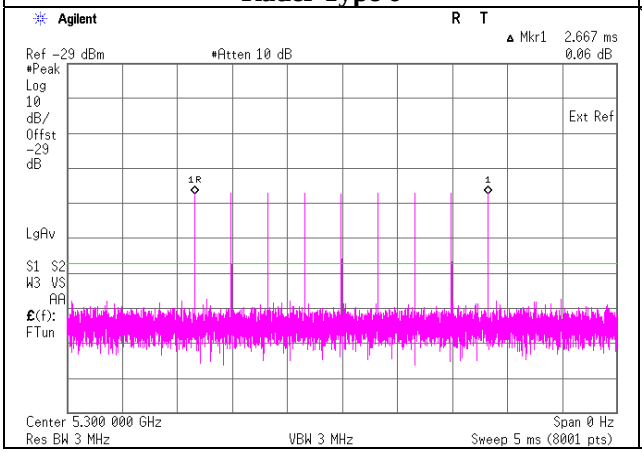


Rader Type 5



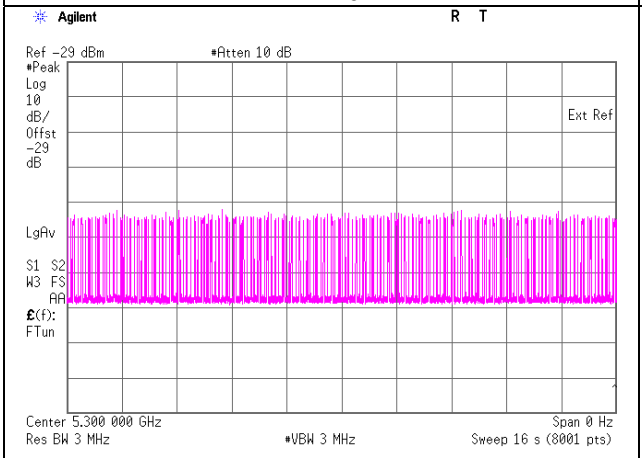
Plots of Radar Waveforms

Rader Type 6

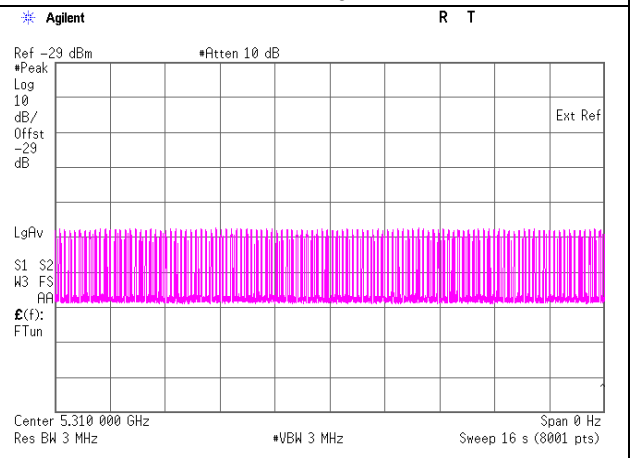


Plots of WLAN Traffic

11n-20



11n-40



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SECTION 6: U-NII Detection Bandwidth

6.1 Operating environment

Test place	Ise EMC Lab. No.11 measurement room
Date	07/14/2017
Temperature/ Humidity	24deg. C / 67% RH
Engineer	Takumi Shimada

6.2 Test Procedure

Adjust the equipment to produce a single Burst of the Short Pulse Radar Type 0 at the center frequency of the EUT Operating Channel at the specified DFS Detection Threshold level.
Set the EUT up as a standalone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.
Generate a single radar Burst, and note the response of the EUT. Repeat for a minimum of 10 trials. The EUT must detect the Radar Waveform within the DFS band using the specified U-NII Detection Bandwidth criterion. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.

Starting at the center frequency of the EUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.

Starting at the center frequency of the EUT operating Channel, decrease the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion. Repeat this measurement in 1MHz steps at frequencies 5 MHz above where the detection rate begins to fall. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

The U-NII Detection Bandwidth is calculated as follows:
U-NII Detection Bandwidth = FH – FL

Radar detection is observed by two techniques.
a). Monitoring Spectrum Analyzer.
b). Indicator of EUT and PC connected to EUT

6.3 Test data

5300MHz (11n-20)
Waveform : Radar Type 0

FL [MHz]	FH [MHz]	Detection Bandwidth [MHz]	99% Power Bandwidth [MHz]	Ratio of Detection BW to 99% Power BW [%]	Limit [%]	Results
5290	5310	20	17.6110	113.6	100	Pass

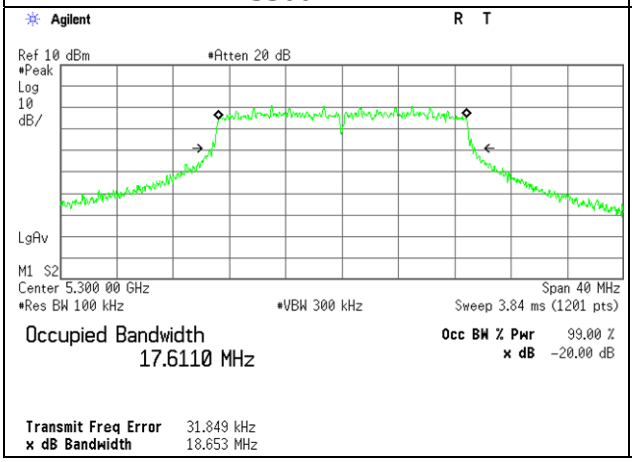
5310MHz (11n-40)
Waveform : Radar Type 0

FL [MHz]	FH [MHz]	Detection Bandwidth [MHz]	99% Power Bandwidth [MHz]	Ratio of Detection BW to 99% Power BW [%]	Limit [%]	Results
5290	5330	40	36.1193	110.7	100	Pass

99% Occupied Bandwidth

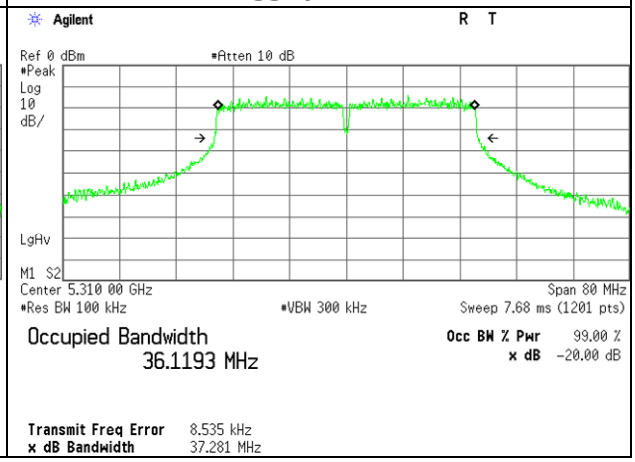
11n-20

5300MHz



11n-40

5310MHz



6.4 Test result

Test result: Pass

SECTION 7: Initial Channel Availability Check Time

7.1 Operating environment

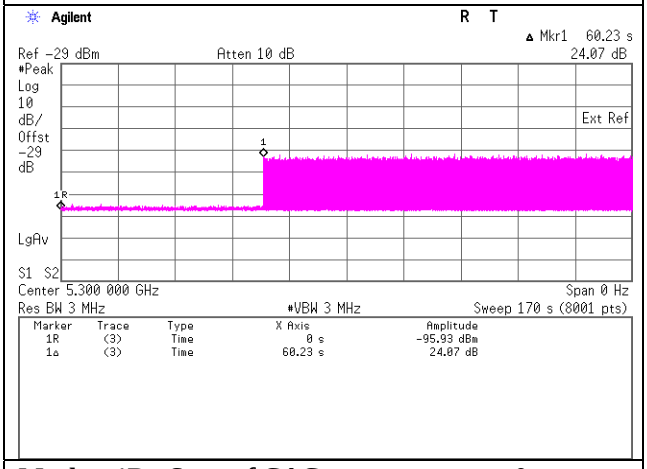
Test place	Ise EMC Lab. No.11 measurement room
Date	07/14/2017
Temperature/ Humidity	24deg. C / 67% RH
Engineer	Takumi Shimada

7.2 Test Procedure

The Initial Channel Availability Check Time tests that the EUT does not emit beacon, control, or data signals on the test Channel until the power-up sequence has been completed and the U-NII device checks for Radar Waveforms for one minute on the test Channel.
This test does not use any Radar Waveforms and only needs to be performed one time.
The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the EUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time.
The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.

7.3 Test data

11n-20



Marker 1R : Start of CAC	**: 0 sec**
Marker 1 : End of CAC	**: 60.23 sec**
Channel Availability Check Time	**: 60.23 sec**

7.4 Test result

Test result: Pass

SECTION 8: Radar Burst at the Beginning of the Channel Availability Check Time

8.1 Operating environment

Test place	Ise EMC Lab. No.11 measurement room
Date	07/14/2017
Temperature/ Humidity	24deg. C / 67% RH
Engineer	Takumi Shimada

8.2 Test Procedure

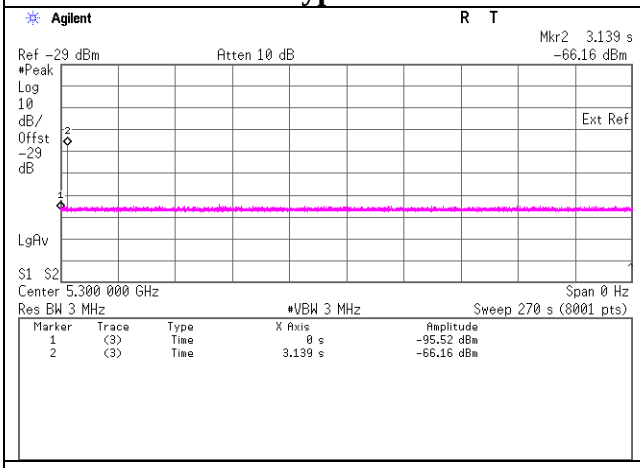
A single Burst of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at Start of CAC. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
Verify that during the 2.5 minute measurement window no EUT transmissions occurred on Chr.

8.3 Test data

Radar Burst at the Beginning of the Channel Availability Check Time

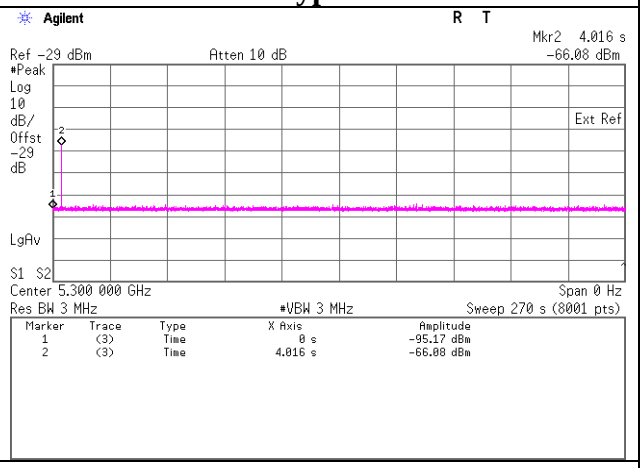
11n-20

Type0

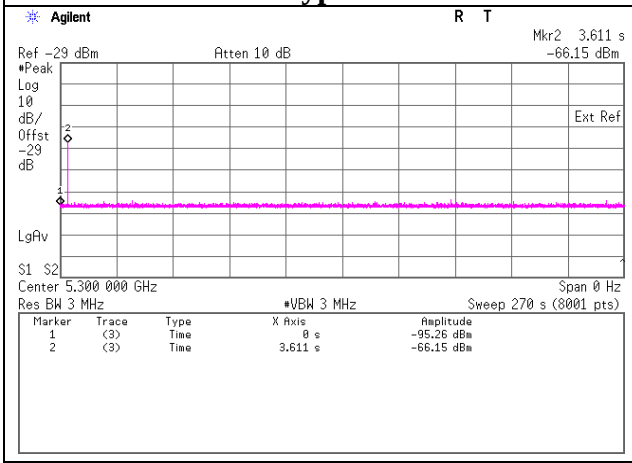
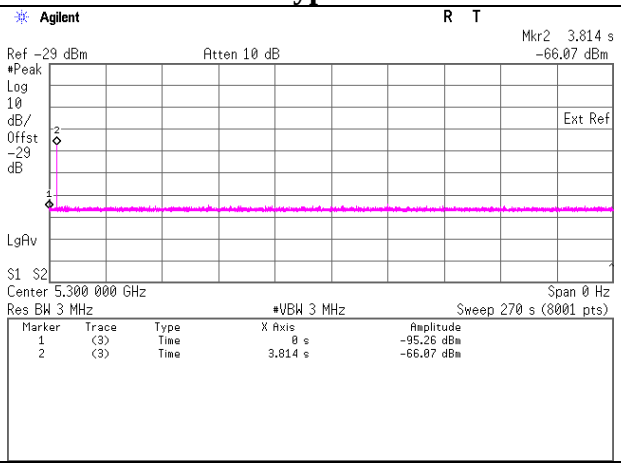
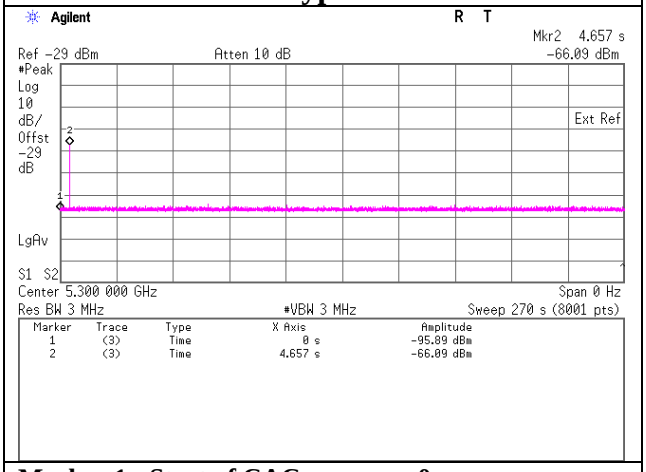


Marker 1 : Start of CAC : 0 sec
Marker 2 : Radar Signal applied : 3.139 sec

Type1



Marker 1 : Start of CAC : 0 sec
Marker 2 : Radar Signal applied : 4.016 sec

Radar Burst at the Beginning of the Channel Availability Check Time	
11n-20	
Type2	**Type3**
	
Marker 1 : Start of CAC : 0 sec **Marker 2 : Radar Signal applied : 3.611 sec**	**Marker 1 : Start of CAC : 0 sec** **Marker 2 : Radar Signal applied : 3.814 sec**
Type4	
	
Marker 1 : Start of CAC : 0 sec **Marker 2 : Radar Signal applied : 4.657 sec**	

8.4 Test result

Test result: Pass

SECTION 9: Radar Burst at the End of the Channel Availability Check Time

9.1 Operating environment

Test place	Ise EMC Lab. No.11 measurement room
Date	07/14/2017
Temperature/ Humidity	24deg. C / 67% RH
Engineer	Takumi Shimada

9.2 Test Procedure

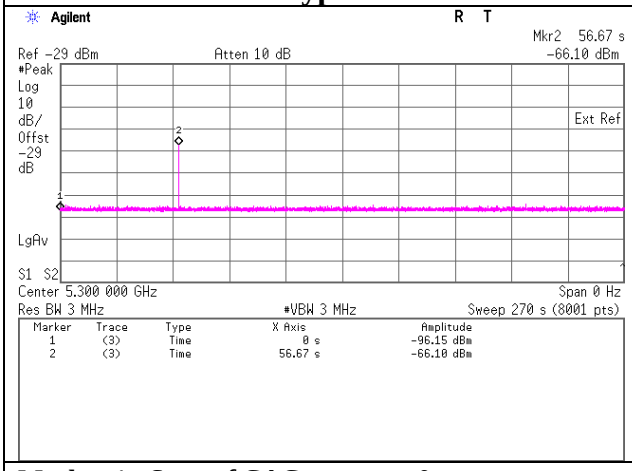
A single Burst of the Short Pulse Radar Types 0-4 will commence within a 6 second window starting at Start of CAC + 54 seconds. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
Verify that during the 2.5 minute measurement window no EUT transmissions occurred on Chr.

9.3 Test data

Radar Burst at the End of the Channel Availability Check Time

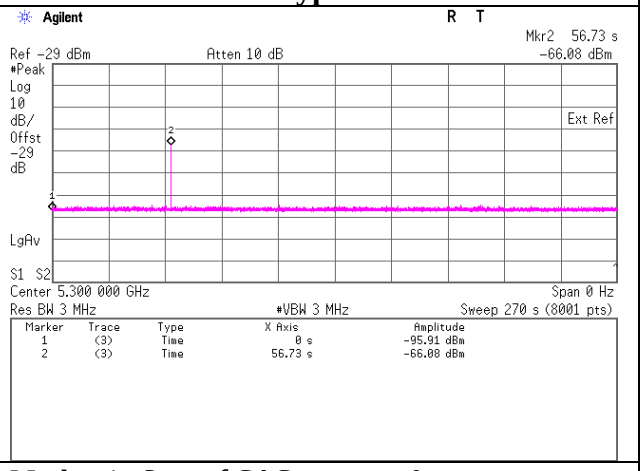
11n-20

Type0

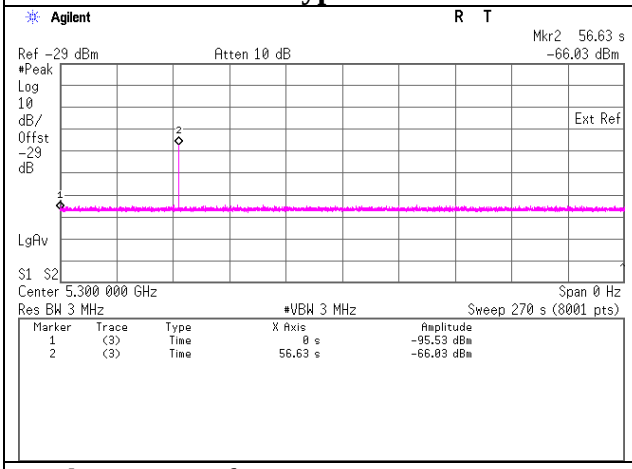
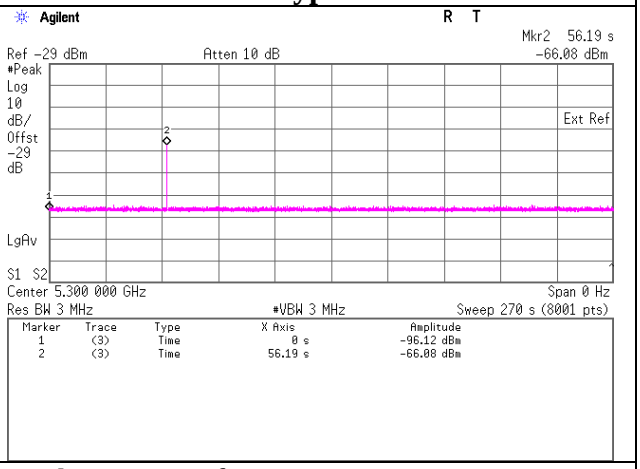
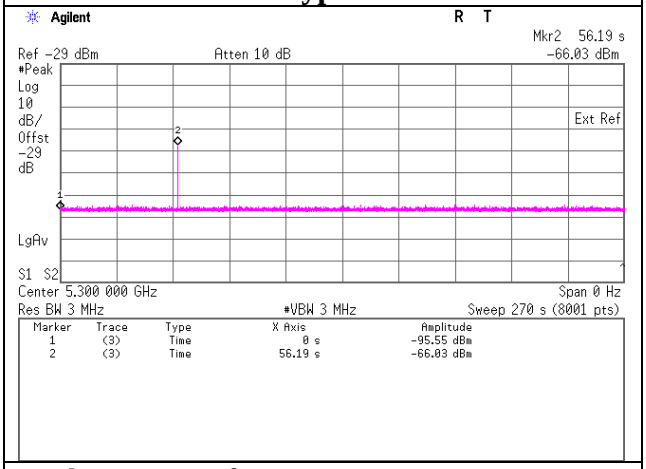


Marker 1 : Start of CAC : 0 sec
Marker 2 : Radar Signal applied : 56.67 sec

Type1



Marker 1 : Start of CAC : 0 sec
Marker 2 : Radar Signal applied : 56.73 sec

Radar Burst at the End of the Channel Availability Check Time	
11n-20	
Type2	Type3
	
Marker 1 : Start of CAC : 0 sec **Marker 2 : Radar Signal applied : 56.63 sec**	**Marker 1 : Start of CAC : 0 sec** **Marker 2 : Radar Signal applied : 56.19sec**
Type4	
	
Marker 1 : Start of CAC : 0 sec **Marker 2 : Radar Signal applied : 56.19 sec**	

9.4 Test result

Test result: Pass

SECTION 10: Channel Move Time, Channel Closing Transmission Time

10.1 Operating environment

Test place	Ise EMC Lab. No.11 measurement room
Date	07/14/2017
Temperature/ Humidity	24deg. C / 67% RH
Engineer	Takumi Shimada
Mode	11n-40

10.2 Test Procedure

Stream the data traffic from the Master Device to the Client Device on the test Channel for the entire period of the test. The Radar Waveform generator sends a Burst of pulses for one of the Radar Types 0 at levels defined on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds.

10.3 Test data

<Master Device>

11n-40

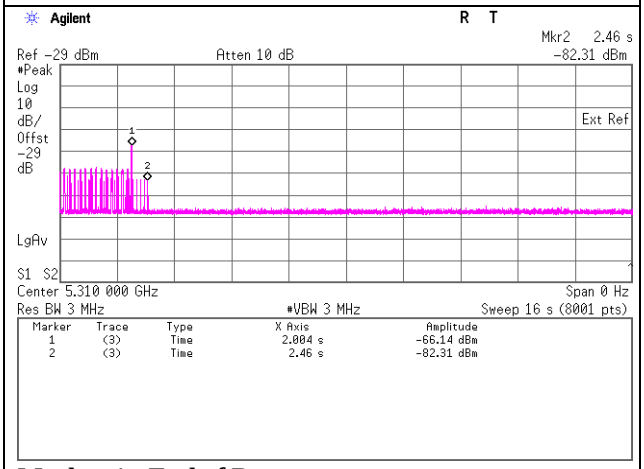
Test Item	Unit	Measurement Time	Limit	Results
Channel Move Time *1)	[sec]	0.456	10.000	Pass
Channel Closing Transmission Time *2)	[msec]	8	60	Pass

*1) Channel Move Time is calculated as follows:
(Channel Move Time) = (End of Transmission) - (End of Burst) = 2.46-2.004
*2) Channel Closing Transmission Time is calculated from (End of Burst + 200msec) to (End of Burst + 10sec)
(Channel Closing Transmission Time) = (Number of analyzer bins showing transmission) × (dwell time per bin)
= 4 × 2[msec]

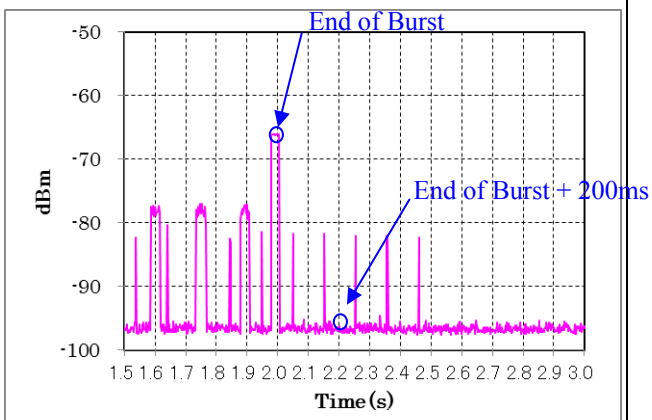
<Master mode>

Radar Type 0

11n-40



Marker 1 : End of Burst
Marker 2 : End of Transmission



10.4 Test result

Test result: Pass

SECTION 11: Non-Occupancy Period

11.1 Operating environment

Test place	Ise EMC Lab. No.6 measurement room
Date	07/14/2017
Temperature/ Humidity	24deg. C / 67% RH
Engineer	Takumi Shimada
Mode	11n-20

11.2 Test Procedure

The following two tests are performed:

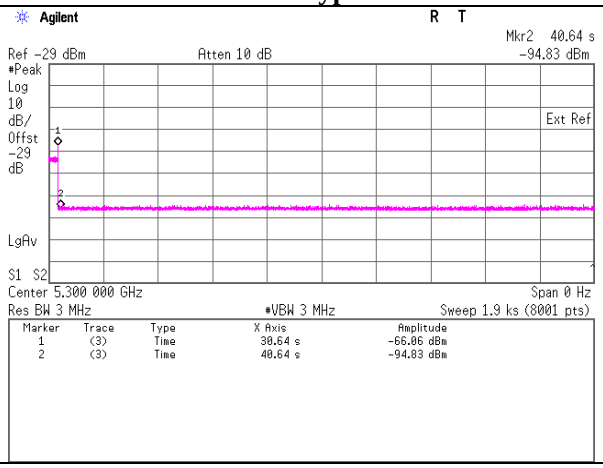
1)Data traffic from the Master Device to the Client Device on the test Channel for the entire period of the test.
The Radar Waveform generator sends a Burst of pulses for one of the Radar Types 0-4(Master Device) at levels defined on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
Observe the transmissions of the EUT after the Channel Move Time on the Operating Channel for duration greater than 30 minutes.

11.3 Test data

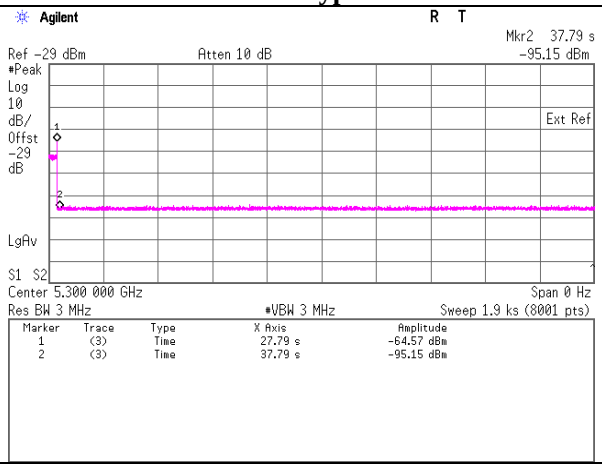
<Master mode>

Non-Occupancy Period

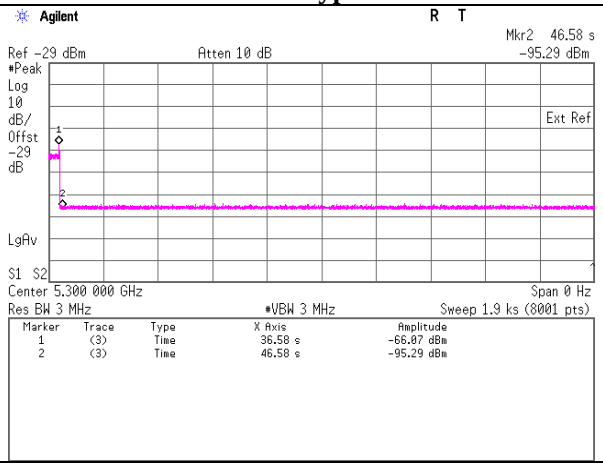
Rader Type 0



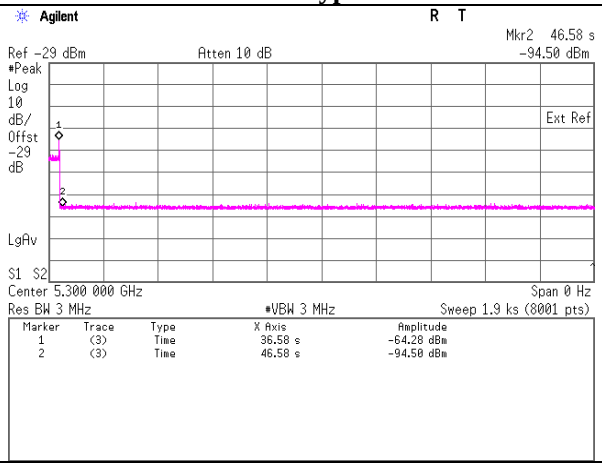
Rader Type 1



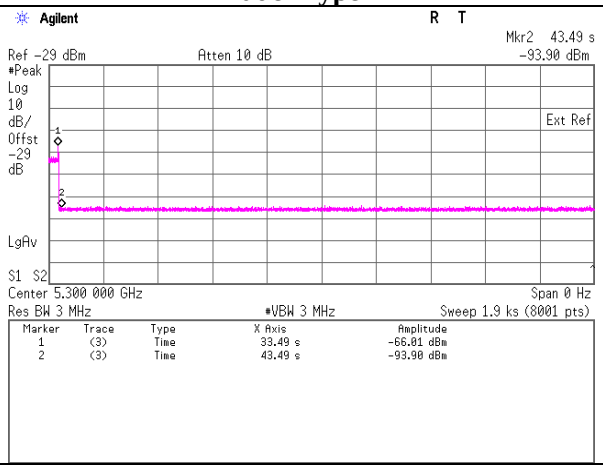
Rader Type 2

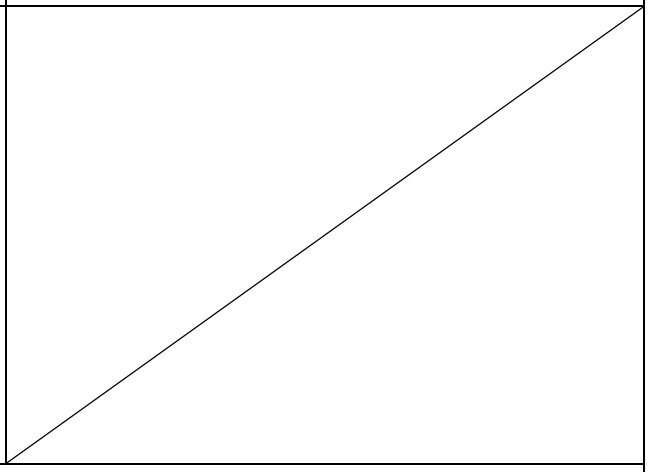


Rader Type 3



Rader Type 4





Marker 1 : End of Burst , Marker 2 : End of Burst + 10sec

11.4 Test result

Test result: Pass

SECTION 12: In-Service Monitoring(Statistical Performance Check)

12.1 Operating environment

Test place	Ise EMC Lab. No.11 measurement room
Date	07/13/2017
Temperature/ Humidity	24deg. C / 53% RH
Engineer	Yuta Moriya

12.2 Test Procedure

Data traffic from the Master Device to the Client Device on the test Channel for the entire period of the test.
Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6, at levels defined, on the Operating Channel. An additional 1dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.

Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 1-4 and 6 to ensure detection occurs.
Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.

Three subsets of trials has been performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency:
a) the Channel center frequency
b) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the UUT Occupied Bandwidth
c) tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the UUT Occupied Bandwidth

Each center frequency calculated by:
the low edge of the UUT Occupied Bandwidth $+(0.4 * Chirp\ Width\ [in\ MHz])$
the high edge of the UUT Occupied Bandwidth $-(0.4 * Chirp\ Width\ [in\ MHz])$

Radar detection is observed by two techniques.
a). Monitoring LAN traffic with Spectrum Analyzer.
b). Indicator of PC connected to EUT

12.3 Test data

5300MHz (11n-20)

Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections [%]	Limit [%]	Results	Remarks
1	30	29	96.67	60	Pass	
2	30	24	80.00	60	Pass	
3	30	27	90.00	60	Pass	
4	30	28	93.33	60	Pass	
Aggregate of 1 to 4	-	-	90.00	80	Pass	
5	30	29	96.67	80	Pass	
6	30	29	96.67	70	Pass	

5310MHz (11n-40)

Radar Type	Number of Trials	Number of Successful Detections	Percentage of Successful Detections [%]	Limit [%]	Results	Remarks
1	30	30	100.00	60	Pass	
2	30	29	96.67	60	Pass	
3	30	29	96.67	60	Pass	
4	30	29	96.67	60	Pass	
Aggregate of 1 to 4	-	-	97.50	80	Pass	
5	30	28	93.33	80	Pass	
6	30	30	100.00	70	Pass	

12.4 Test result

Test result: Pass

APPENDIX 1: Data of DFS test

U-NII Detection Bandwidth

5300MHz (11n-20)

Frequency [MHz]	Number of Trials [Times]	Number of Detected [Times]	Ratio of Detected [%]	Mark
5290	10	10	100	FL
5291	10	10	100	
5292	10	10	100	
5293	10	10	100	
5294	10	10	100	
5295	10	10	100	
5300	10	10	100	
5305	10	10	100	
5309	10	10	100	
5310	10	10	100	FH

5510MHz (11n-40)

Frequency [MHz]	Number of Trials [Times]	Number of Detected [Times]	Ratio of Detected [%]	Mark
5290	10	10	100	FL
5295	10	10	100	
5300	10	10	100	
5305	10	10	100	
5310	10	10	100	
5315	10	10	100	
5320	10	10	100	
5325	10	10	100	
5330	10	10	100	FH

Statistical Performance Check

5300MHz (11n-20)

Trial #	Radar Type1	Radar Type2	Radar Type3	Radar Type4	Radar Type5	Radar Type6
	Dectection	Dectection	Dectection	Dectection	Dectection	Dectection
	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
1	Yes	Yes	Yes	Yes	Yes	Yes
2	Yes	No	Yes	No	Yes	Yes
3	Yes	Yes	Yes	Yes	Yes	Yes
4	Yes	Yes	Yes	Yes	Yes	Yes
5	Yes	No	Yes	Yes	Yes	Yes
6	Yes	Yes	Yes	Yes	Yes	Yes
7	Yes	Yes	Yes	Yes	Yes	Yes
8	Yes	Yes	No	Yes	Yes	Yes
9	Yes	Yes	Yes	Yes	Yes	Yes
10	No	Yes	Yes	No	Yes	Yes
11	Yes	Yes	No	Yes	Yes	Yes
12	Yes	No	Yes	Yes	Yes	Yes
13	Yes	Yes	Yes	Yes	Yes	Yes
14	Yes	No	Yes	Yes	Yes	Yes
15	Yes	Yes	No	Yes	Yes	Yes
16	Yes	Yes	Yes	Yes	Yes	Yes
17	Yes	Yes	Yes	Yes	Yes	Yes
18	Yes	Yes	Yes	Yes	Yes	Yes
19	Yes	Yes	Yes	Yes	No	Yes
20	Yes	No	Yes	Yes	Yes	Yes
21	Yes	Yes	Yes	Yes	Yes	Yes
22	Yes	No	Yes	Yes	Yes	Yes
23	Yes	Yes	Yes	Yes	Yes	No
24	Yes	Yes	Yes	Yes	Yes	Yes
25	Yes	Yes	Yes	Yes	Yes	Yes
26	Yes	Yes	Yes	Yes	Yes	Yes
27	Yes	Yes	Yes	Yes	Yes	Yes
28	Yes	Yes	Yes	Yes	Yes	Yes
29	Yes	Yes	Yes	Yes	Yes	Yes
30	Yes	Yes	Yes	Yes	Yes	Yes
EUT Test Frequency:5300MHz Radar Frequency:5300MHz						

Statistical Performance Check

5310MHz (11n-40)

Trial #	Radar Type1	Radar Type2	Radar Type3	Radar Type4	Radar Type5	Radar Type6
	Dectection	Dectection	Dectection	Dectection	Dectection	Dectection
	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No	Yes/No
1	Yes	Yes	Yes	Yes	No	Yes
2	Yes	Yes	Yes	Yes	No	Yes
3	Yes	Yes	No	Yes	Yes	Yes
4	Yes	Yes	Yes	Yes	Yes	Yes
5	Yes	Yes	Yes	Yes	Yes	Yes
6	Yes	Yes	Yes	Yes	Yes	Yes
7	Yes	Yes	Yes	Yes	Yes	Yes
8	Yes	Yes	Yes	Yes	Yes	Yes
9	Yes	Yes	Yes	Yes	Yes	Yes
10	Yes	No	Yes	Yes	Yes	Yes
11	Yes	Yes	Yes	Yes	Yes	Yes
12	Yes	Yes	Yes	Yes	Yes	Yes
13	Yes	Yes	Yes	Yes	Yes	Yes
14	Yes	Yes	Yes	Yes	Yes	Yes
15	Yes	Yes	Yes	Yes	Yes	Yes
16	Yes	Yes	Yes	Yes	Yes	Yes
17	Yes	Yes	Yes	Yes	Yes	Yes
18	Yes	Yes	Yes	Yes	Yes	Yes
19	Yes	Yes	Yes	Yes	Yes	Yes
20	Yes	Yes	Yes	Yes	Yes	Yes
21	Yes	Yes	Yes	Yes	Yes	Yes
22	Yes	Yes	Yes	Yes	Yes	Yes
23	Yes	Yes	Yes	Yes	Yes	Yes
24	Yes	Yes	Yes	Yes	Yes	Yes
25	Yes	Yes	Yes	No	Yes	Yes
26	Yes	Yes	Yes	Yes	Yes	Yes
27	Yes	Yes	Yes	Yes	Yes	Yes
28	Yes	Yes	Yes	Yes	Yes	Yes
29	Yes	Yes	Yes	Yes	Yes	Yes
30	Yes	Yes	Yes	Yes	Yes	Yes
EUT Test Frequency:5310MHz Radar Frequency:5310MHz						

Parameter Data sheet for Radar Type 1

5300MHz (11n-20)

Radar Type1				
Trial #	Pulse Repetition Frequency Number(1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Number of Pulses	Pulse Repetition Interval (Microseconds)
1	20	1113.6	59	898
2	3	1792.1	95	558
3	9	1474.9	78	678
4	14	1285.3	68	778
5	18	1165.6	62	858
6	5	1672.2	89	598
7	6	1618.1	86	618
8	17	1193.3	63	838
9	13	1319.3	70	758
10	19	1139.0	61	878
11	4	1730.1	92	578
12	22	1066.1	57	938
13	8	1519.8	81	658
14	23	326.2	18	3066
15	16	1222.5	65	818
16	-	436.1	24	2293
17	-	698.8	37	1431
18	-	652.3	35	1533
19	-	791.8	42	1263
20	-	350.0	19	2857
21	-	571.8	31	1749
22	-	548.5	29	1823
23	-	425.0	23	2353
24	-	338.6	18	2953
25	-	411.0	22	2433
26	-	622.3	33	1607
27	-	420.9	23	2376
28	-	463.8	25	2156
29	-	805.2	43	1242
30	-	360.8	20	2772

Parameter Data sheet for Radar Type 1

5310MHz (11n-40)

Radar Type1				
Trial #	Pulse Repetition Frequency Number(1 to 23)	Pulse Repetition Frequency (Pulses Per Second)	Number of Pulses	Pulse Repetition Interval (Microseconds)
1	4	1730.1	92	578
2	17	1193.3	63	838
3	9	1474.9	78	678
4	7	1567.4	83	638
5	14	1285.3	68	778
6	3	1792.1	95	558
7	22	1066.1	57	938
8	2	1858.7	99	538
9	1	1930.5	102	518
10	19	1139.0	61	878
11	8	1519.8	81	658
12	16	1222.5	65	818
13	6	1618.1	86	618
14	12	1355.0	72	738
15	10	1432.7	76	698
16	-	895.3	48	1117
17	-	343.4	19	2912
18	-	1706.5	91	586
19	-	400.8	22	2495
20	-	456.8	25	2189
21	-	426.1	23	2347
22	-	421.1	23	2375
23	-	666.7	36	1500
24	-	778.2	42	1285
25	-	1293.7	69	773
26	-	342.2	19	2922
27	-	1036.3	55	965
28	-	728.9	39	1372
29	-	592.4	32	1688
30	-	1420.5	75	704

Parameter Data sheet for Radar Type 2

5300MHz (11n-20)

Radar Type2			
Trial #	Number Pulses per Burst	Pulse Width [us]	PRI [us]
1	23	1.1	192
2	25	2.7	213
3	24	2.0	183
4	28	4.3	217
5	23	1.3	190
6	28	3.9	158
7	27	3.4	203
8	27	3.7	197
9	26	2.8	155
10	26	2.7	171
11	28	4.4	176
12	25	2.1	167
13	24	1.9	216
14	27	3.8	170
15	24	1.7	224
16	27	3.6	164
17	23	1.1	161
18	23	1.3	227
19	25	2.5	215
20	23	1.4	153
21	24	1.7	225
22	26	3.0	185
23	29	4.9	173
24	27	3.8	187
25	27	3.3	204
26	29	4.5	194
27	23	1.1	175
28	29	4.7	188
29	25	2.6	157
30	29	4.7	196

Parameter Data sheet for Radar Type 2

5310MHz (11n-40)

Radar Type2			
Trial #	Number Pulses per Burst	Pulse Width [us]	PRI [us]
1	23	1.1	194
2	23	1.2	196
3	25	2.6	176
4	29	4.7	205
5	29	4.5	223
6	27	3.6	226
7	27	3.8	153
8	27	3.5	192
9	23	1.5	152
10	25	2.2	172
11	28	4.0	158
12	28	4.3	209
13	25	2.1	182
14	29	4.7	160
15	28	4.2	167
16	28	4.1	215
17	24	1.6	170
18	26	2.8	222
19	28	4.1	213
20	29	4.7	168
21	23	1.2	179
22	26	2.8	193
23	26	3.0	169
24	23	1.0	208
25	29	4.6	162
26	25	2.7	151
27	26	2.9	207
28	26	3.2	195
29	25	2.2	203
30	26	3.3	183

Parameter Data sheet for Radar Type 3

5300MHz (11n-20)

Radar Type3			
Trial #	Number Pulses per Burst	Pulse Width [us]	PRI [us]
1	16	6.1	320
2	17	7.7	229
3	16	7.0	280
4	18	9.3	258
5	16	6.3	251
6	18	8.9	255
7	17	8.4	310
8	17	8.7	232
9	17	7.8	458
10	17	7.7	271
11	18	9.4	499
12	16	7.1	273
13	16	6.9	348
14	18	8.8	283
15	16	6.7	249
16	17	8.6	301
17	16	6.1	257
18	16	6.3	427
19	17	7.5	405
20	16	6.4	319
21	16	6.7	352
22	17	8.0	294
23	18	9.9	209
24	18	8.8	490
25	17	8.3	353
26	18	9.5	314
27	16	6.1	495
28	18	9.7	344
29	17	7.6	205
30	18	9.7	261

Parameter Data sheet for Radar Type 3

5310MHz (11n-40)

Radar Type3			
Trial #	Number Pulses per Burst	Pulse Width [us]	PRI [us]
1	16	6.1	284
2	16	6.2	370
3	17	7.6	414
4	18	9.7	222
5	18	9.5	317
6	17	8.6	474
7	18	8.8	233
8	17	8.5	210
9	16	6.5	259
10	16	7.2	348
11	18	9.0	225
12	18	9.3	236
13	16	7.1	416
14	18	9.7	279
15	18	9.2	300
16	18	9.1	234
17	16	6.6	487
18	17	7.8	274
19	18	9.1	425
20	18	9.7	380
21	16	6.2	426
22	17	7.8	306
23	17	8.0	358
24	16	6.0	439
25	18	9.6	278
26	17	7.7	221
27	17	7.9	283
28	17	8.2	299
29	16	7.2	228
30	17	8.3	490

Parameter Data sheet for Radar Type 4

5300MHz (11n-20)

Radar Type4			
Trial #	Number Pulses per Burst	Pulse Width [us]	PRI [us]
1	12	11.4	320
2	14	14.8	229
3	13	13.2	280
4	16	18.3	258
5	12	11.8	251
6	15	17.5	255
7	15	16.5	310
8	15	17.0	232
9	14	15.0	458
10	14	14.9	271
11	16	18.6	499
12	13	13.6	273
13	13	13.0	348
14	15	17.4	283
15	12	12.6	249
16	15	16.9	301
17	12	11.2	257
18	12	11.8	427
19	13	14.4	405
20	12	12.0	319
21	12	12.7	352
22	14	15.6	294
23	16	19.8	209
24	15	17.2	490
25	14	16.2	353
26	16	18.8	314
27	12	11.4	495
28	16	19.4	344
29	14	14.7	205
30	16	19.2	261

Parameter Data sheet for Radar Type 4

5310MHz (11n-40)

Radar Type4			
Trial #	Number Pulses per Burst	Pulse Width [us]	PRI [us]
1	12	11.2	284
2	12	11.5	370
3	14	14.6	414
4	16	19.3	222
5	16	18.8	317
6	15	16.7	474
7	15	17.2	233
8	15	16.7	210
9	12	12.2	259
10	13	13.8	348
11	15	17.6	225
12	16	18.3	236
13	13	13.6	416
14	16	19.3	279
15	15	18.1	300
16	15	18.0	234
17	12	12.5	487
18	14	15.0	274
19	15	17.9	425
20	16	19.2	380
21	12	11.5	426
22	14	15.1	306
23	14	15.4	358
24	12	11.1	439
25	16	19.0	278
26	14	14.8	221
27	14	15.3	283
28	14	15.9	299
29	13	13.8	228
30	14	16.1	490

Parameter Data sheet for Radar Type 5

5300MHz (11n-20)

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
1	1	1	52.4	5			435126	5300
	2	2	71.2	5	1402		797809	5300
	3	1	62.6	5			1161738	5300
	4	3	90.5	5	1473	1092	26991	5300
	5	1	54.5	5			390529	5300
	6	3	85.9	5	1657	1017	752382	5300
	7	2	80.3	5	1434		1115903	5300
	8	2	83	5	1539		1479710	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
2	1	2	72.2	11	1713		212281	5300
	2	2	71.5	11	1149		435380	5300
	3	3	92.1	11	1570	1357	657325	5300
	4	1	64.4	11			883143	5300
	5	1	61.1	11			185090	5300
	6	3	85.3	11	1427	1870	407175	5300
	7	1	59.1	11			632216	5300
	8	2	82.7	11	1158		854684	5300
	9	1	51.2	11			157571	5300
	10	1	54.6	11			381190	5300
	11	2	68.8	11	1674		603586	5300
	12	1	55.9	11			828416	5300
	13	1	59.4	11			130012	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
3	1	2	75.6	9	1742		417410	5300
	2	3	98.7	9	1101	1872	680466	5300
	3	3	84.6	9	1694	1545	943818	5300
	4	2	78.9	9	1710		120972	5300
	5	3	93	9	1018	1749	384352	5300
	6	1	52.2	9			649806	5300
	7	3	96.3	9	1508	1468	911247	5300
	8	2	70.6	9	1559		88510	5300
	9	3	95.4	9	1157	1252	352000	5300
	10	2	80.7	9	1477		616451	5300
	11	1	55	9			880890	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
4	1	2	67.9	17	1752	-	34121	5300
	2	2	73.4	17	1065	-	195182	5300
	3	1	62.2	17	-	-	356944	5300
	4	2	70.4	17	1669	-	517004	5300
	5	3	98.3	17	1664	1422	14277	5300
	6	1	50.1	17	-	-	175802	5300
	7	3	89.1	17	1408	1665	335545	5300
	8	1	63.3	17	-	-	497984	5300
	9	3	88.1	17	1678	1097	657303	5300
	10	3	94.3	17	1580	1225	155066	5300
	11	2	68.4	17	1082	-	316445	5300
	12	3	89.2	17	1292	1368	476209	5300
	13	2	73.3	17	1342	-	638226	5300
	14	1	64.4	17	-	-	135881	5300
	15	3	85	17	1378	1626	295920	5300
	16	2	68.1	17	1655	-	457143	5300
	17	1	61.5	17	-	-	620190	5300
	18	1	51.1	17	-	-	116130	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
5	1	1	63.8	6			555390	5300
	2	3	85.1	6	1475	1604	876316	5300
	3	2	76.2	6	1136		1200440	5300
	4	3	91.2	6	1167	1109	192273	5300
	5	1	64.3	6			515746	5300
	6	2	76.8	6	1204		837585	5300
	7	2	72.5	6	1576		1160079	5300
	8	2	78.1	6	1880		152630	5300
	9	1	61.5	6			475783	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
6	1	1	61.6	16			422316	5300
	2	3	83.6	16	1600	1107	591339	5300
	3	3	84	16	1246	1611	59570	5300
	4	1	62.4	16			230715	5300
	5	2	76.8	16	1677	-	400261	5300
	6	3	90.8	16	1006	1723	570069	5300
	7	3	87.1	16	1824	1877	38553	5300
	8	3	96.6	16	1531	1775	208660	5300
	9	3	87.8	16	1602	1793	378452	5300
	10	2	73	16	1217		550336	5300
	11	3	88.8	16	1138	1305	17621	5300
	12	3	84.5	16	1429	2000	187497	5300
	13	1	51	16			359324	5300
	14	1	65.5	16			530483	5300
	15	1	55.4	16			701484	5300
	16	2	67.9	16	1668		167082	5300
	17	1	65.1	16			338307	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
7	1	1	57.1	14			577380	5300
	2	1	59.5	14			770647	5300
	3	1	61.2	14			166019	5300
	4	1	64.5	14			359761	5300
	5	1	57.9	14			553098	5300
	6	3	84.2	14	1616	1145	744416	5300
	7	3	84.7	14	1367	1885	141623	5300
	8	2	69.5	14	1083		335302	5300
	9	2	81.6	14	1433		528846	5300
	10	3	95.7	14	1316	1640	720007	5300
	11	2	78.8	14	1106		118159	5300
	12	2	76.7	14	1727		311374	5300
	13	1	59	14	-		505826	5300
	14	3	85.5	14	1827	1409	696763	5300
	15	3	97.9	14	1648	1797	94087	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
8	1	2	70.2	15	1768		269433	5300
	2	3	88.7	15	1554	1073	450302	5300
	3	2	77.5	15	1608		632135	5300
	4	2	79.7	15	1102		66113	5300
	5	1	54.1	15			247662	5300
	6	2	81.9	15	1867		428394	5300
	7	3	91.7	15	1352	1453	608467	5300
	8	3	98.4	15	1220	1441	43658	5300
	9	3	86.3	15	1360	1816	224255	5300
	10	2	67.9	15	1257		406088	5300
	11	3	97.2	15	1795	1729	585407	5300
	12	3	95.1	15	1934	1837	21340	5300
	13	2	72.8	15	1536		202430	5300
	14	1	66.6	15			384300	5300
	15	1	62.8	15			566255	5300
	16	2	69.5	15	1959		745309	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
9	1	2	70.8	12	1702		661564	5300
	2	2	73.2	12	1625		289553	5300
	3	3	99.3	12	1689	1291	193511	5300
	4	2	69.7	12	1057		584939	5300
	5	1	63	12			303869	5300
	6	2	66.8	12	1415		296316	5300
	7	3	97.1	12	1293	1835	450330	5300
	8	1	53.6	12			695232	5300
	9	3	99.5	12	1063	1484	676981	5300
	10	3	99.3	12	1243	1423	315928	5300
	11	3	92.9	12	1750	1569	495302	5300
	12	3	95.2	12	1543	1318	427507	5300
	13	3	95.2	12	1413	1773	296153	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
10	1	1	58.2	11			363300	5300
	2	2	69.8	11	1737		585812	5300
	3	2	78.8	11	1219		809024	5300
	4	3	87.6	11	1488	1925	111815	5300
	5	3	90.9	11	1739	1338	334648	5300
	6	1	64.3	11			559263	5300
	7	1	62.3	11			782846	5300
	8	3	88.1	11	1159	1218	84542	5300
	9	2	75.7	11	1609		307702	5300
	10	1	63.8	11			531776	5300
	11	2	83.2	11	1724		753829	5300
	12	1	65.5	11			57220	5300
	13	1	61.1	11			280640	5300

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
11	1	2	75	18	1954		522965	5298.39
	2	3	96.7	18	1606	1791	21413	5298.39
	3	1	60.8	18			181894	5298.39
	4	3	89.2	18	1331	1249	343918	5298.39
	5	1	61.9	18			505241	5298.39
	6	1	52.8	18			1537	5298.39
	7	2	68.8	18	1133		162450	5298.39
	8	2	76.1	18	1864		324320	5298.39
	9	1	58	18			485832	5298.39
	10	1	53.5	18			646464	5298.39
	11	1	59.8	18			142991	5298.39
	12	1	65.7	18			303012	5298.39
	13	3	84.9	18	1260	1535	465648	5298.39
	14	1	53.3	18			624239	5298.39
	15	3	91.7	18	1617	1203	122785	5298.39
	16	2	73.9	18	1420		283866	5298.39
	17	2	80.3	18	1588		446012	5298.39
	18	1	54.8	18				

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
12	1	3	89.1	9	1313	1830	991150	5294.79
	2	3	96.5	9	1120	1808	168690	5294.79
	3	1	53.2	9			433257	5294.79
	4	2	78	9	1915		696464	5294.79
	5	3	98.1	9	1051	1023	960152	5294.79
	6	2	68.4	9	1809		136330	5294.79
	7	1	57.4	9			400693	5294.79
	8	2	82	9	1822		663705	5294.79
	9	1	52.2	9			929501	5294.79
	10	1	50.4	9			103968	5294.79
	11	2	81.5	9	1276		367670	5294.79

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
13	1	3	95.1	8	1512	1567	694078	5294.39
	2	1	59.4	8			986300	5294.39
	3	1	66	8			78616	5294.39
	4	1	54.2	8			369207	5294.39
	5	1	51.8	8			659823	5294.39
	6	3	91.8	8	1765	1099	948506	5294.39
	7	1	50.3	8			42822	5294.39
	8	3	92.8	8	1910	1213	332680	5294.39
	9	1	60.3	8			623999	5294.39
	10	3	87.4	8	1310	1506	912888	5294.39

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
14	1	3	90	16	1697	1907	4099	5297.59
	2	2	76.4	16	1190		174732	5297.59
	3	2	69.1	16	1232		345293	5297.59
	4	1	50.2	16			516512	5297.59
	5	1	66.3	16			687671	5297.59
	6	2	68.9	16	1720		153632	5297.59
	7	2	71.9	16	1416		323983	5297.59
	8	1	55.9	16			495821	5297.59
	9	1	61	16			666611	5297.59
	10	2	70.7	16	1532		132609	5297.59
	11	1	64.1	16			303729	5297.59
	12	3	95.5	16	1275	1658	472421	5297.59
	13	1	58.9	16			645508	5297.59
	14	3	94.1	16	1565	1883	111220	5297.59
	15	2	69.1	16	1147		282166	5297.59
	16	1	57.9	16			453582	5297.59
	17	3	97.1	16	1069	1383	621869	5297.59

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
15	1	3	98.6	7	1241	1407	154078	5293.99
	2	3	92.4	7	1748	1856	443951	5293.99
	3	2	81.7	7	1013		735218	5293.99
	4	2	79.9	7	1628		1024796	5293.99
	5	1	50.6	7			118632	5293.99
	6	2	68.3	7	1534		408920	5293.99
	7	3	94.6	7	1521	1599	698281	5293.99
	8	1	62.9	7			990724	5293.99
	9	3	94.1	7	1578	1115	82663	5293.99
	10	3	93.9	7	1439	1973	372612	5293.99

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
16	1	1	61.5	15			414738	5297.19
	2	2	83.1	15	1560		595345	5297.19
	3	1	61.6	15	-		29386	5297.19
	4	3	91.3	15	1308	1805	210045	5297.19
	5	2	81.1	15	1767		391507	5297.19
	6	2	70	15	1430		572519	5297.19
	7	2	67.5	15	1888		7005	5297.19
	8	3	99.1	15	1577	1100	187789	5297.19
	9	2	70	15	1042		369707	5297.19
	10	3	84.1	15	1985	1873	548983	5297.19
	11	2	77.7	15	1624		731230	5297.19
	12	2	81.7	15	1350		165992	5297.19
	13	3	99.6	15	1212	1705	346545	5297.19
	14	3	85.6	15	1683	1983	526830	5297.19
	15	2	76	15	1813		709359	5297.19
	16	3	91.3	15	1208	1014	143339	5297.19

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
17	1	2	79.7	5	1525		650820	5293.19
	2	2	67.4	5	1661		1013783	5293.19
	3	3	99.6	5	1537	1896	1374751	5293.19
	4	1	50.4	5			243247	5293.19
	5	2	71.9	5	1483		606028	5293.19
	6	3	85.1	5	1198	1884	968371	5293.19
	7	3	93.9	5	1718	1940	1329827	5293.19
	8	3	94.8	5	1011	1976	198021	5293.19

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
18	1	1	51.8	6			499501	5293.59
	2	1	50.3	6			822410	5293.59
	3	2	78.6	6	1670		1144327	5293.59
	4	1	57.4	6			136574	5293.59
	5	3	89.4	6	1857	1471	458549	5293.59
	6	1	58	6			782468	5293.59
	7	2	74.5	6	1172		1105005	5293.59
	8	3	87.4	6	1594	1041	96628	5293.59
	9	2	72.2	6	1188		419510	5293.59

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
19	1	2	75.1	11	1205		556072	5295.59
	2	1	60.3	11			799134	5295.59
	3	2	72.9	11	1351		42693	5295.59
	4	3	99.4	11	1552	1712	284036	5295.59
	5	2	79.4	11	1315		526121	5295.59
	6	2	83.1	11	1268		768358	5295.59
	7	2	75.5	11	1500		12889	5295.59
	8	3	91.5	11	1919	1840	254020	5295.59
	9	3	95.1	11	1001	1845	495693	5295.59
	10	3	99.1	11	1119	1815	737594	5295.59
	11	2	73.9	11	1340		980571	5295.59
	12	2	69.3	11	1961		224773	5295.59

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
20	1	2	66.9	6	1997		622510	5293.59
	2	3	92.9	6	1943	1128	944298	5293.59
	3	3	96.2	6	1676	1687	1266130	5293.59
	4	1	53.9	6			260651	5293.59
	5	1	59.3	6			583500	5293.59
	6	3	88.7	6	1196	1446	904556	5293.59
	7	2	77.2	6	1875		1227638	5293.59
	8	1	63.4	6			220850	5293.59
	9	3	93.7	6	1175	1699	542696	5293.59

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
21	1	2	71.9	8	1209		779406	5305.61
	2	2	76.4	8	1328		1069319	5305.61
	3	3	89.3	8	1193	1850	162466	5305.61
	4	2	66.8	8	1929		452914	5305.61
	5	3	89.5	8	1598	1279	742322	5305.61
	6	2	80.7	8	1199		1034010	5305.61
	7	3	91.4	8	1325	1424	126863	5305.61
	8	1	60	8			417685	5305.61
	9	1	59.7	8			708745	5305.61
	10	1	61.9	8			998788	5305.61

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
22	1	1	59.6	13			281704	5303.61
	2	3	90.4	13	1025	1647	425263	5303.61
	3	1	59.4	13			572324	5303.61
	4	2	74.5	13	1329		118938	5303.61
	5	2	75.2	13	1784		264397	5303.61
	6	1	53.1	13			408219	5303.61
	7	3	91.9	13	1010	1121	553477	5303.61
	8	1	50.2	13			100849	5303.61
	9	3	84.3	13	1778	1596	245667	5303.61
	10	2	74.1	13	1381		390739	5303.61
	11	1	58.9	13			536885	5303.61
	12	2	76.9	13	1043		83043	5303.61
	13	3	86.1	13	1963	1348	227574	5303.61
	14	2	70	13	1078		372946	5303.61

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
23	1	2	75.4	20	1633		281704	5300.81
	2	3	84.9	20	1846	1038	425263	5300.81
	3	1	57.5	20			572324	5300.81
	4	2	82.5	20	1456		118938	5300.81
	5	1	53.5	20			264397	5300.81
	6	2	80	20	1467		408219	5300.81
	7	2	69.4	20	1445		553477	5300.81
	8	3	97.4	20	1346	1479	100849	5300.81
	9	2	73.9	20	1936		245667	5300.81
	10	2	78.6	20	1556		390739	5300.81
	11	1	53.1	20			536885	5300.81
	12	3	83.9	20	1918	1618	83043	5300.81
	13	3	83.6	20	1909	1130	227574	5300.81
	14	2	82.6	20	1270		372946	5300.81
	15	3	90	20	1642	1957	515418	5300.81
	16	1	52.4	20			65579	5300.81
	17	3	84.2	20	1278	1487	209965	5300.81
	18	2	81.5	20	1672		355219	5300.81
	19	3	85.4	20	1332	1731	498303	5300.81
	20	3	87.1	20	1370	1298	47538	5300.81

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
24	1	1	64.3	16			241306	5302.41
	2	2	79	16	1898		421748	5302.41
	3	1	57.4	16			604590	5302.41
	4	2	68.4	16	1819		37234	5302.41
	5	2	70.9	16	1675		218341	5302.41
	6	1	50.7	16			400407	5302.41
	7	2	67.5	16	1237		581006	5302.41
	8	3	88.4	16	1299	1009	14923	5302.41
	9	3	92.9	16	1659	1322	195784	5302.41
	10	3	89.4	16	1036	1992	376616	5302.41
	11	3	84.7	16	1476	1551	557167	5302.41
	12	3	95	16	1267	1319	738762	5302.41
	13	3	90.4	16	1862	1450	173348	5302.41
	14	2	69.3	16	1161		355279	5302.41
	15	3	91.4	16	1663	1527	534715	5302.41
	16	1	54.5	16			718551	5302.41

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
25	1	2	73.2	14	1785		161603	5303.21
	2	1	58.9	14			355796	5303.21
	3	1	56.4	14			549456	5303.21
	4	2	79.7	14	1540		741795	5303.21
	5	3	92.6	14	1868	1388	137580	5303.21
	6	1	62.2	14			331634	5303.21
	7	1	66.4	14			525238	5303.21
	8	2	80.9	14	1974		717303	5303.21
	9	2	71.3	14	1428		114019	5303.21
	10	3	91.3	14	1981	1401	306535	5303.21
	11	2	69.6	14	1139		500512	5303.21
	12	1	59.3	14			695152	5303.21
	13	1	60.3	14			90338	5303.21
	14	2	81.9	14	1077		283793	5303.21
	15	3	89.9	14	1769	1897	475232	5303.21

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
26	1	2	77.5	18	1652		528063	5301.61
	2	3	91.6	18	1303	1922	52211	5301.61
	3	3	99	18	1245	1084	204573	5301.61
	4	1	55.7	18			358026	5301.61
	5	3	96.5	18	1967	1986	507858	5301.61
	6	2	77.5	18	1619		33548	5301.61
	7	3	89.1	18	1178	1917	185550	5301.61
	8	1	61.5	18			339255	5301.61
	9	1	52.8	18			491708	5301.61
	10	1	62.5	18			14839	5301.61
	11	2	81.1	18	1317		167310	5301.61
	12	1	54.4	18			320351	5301.61
	13	3	84.6	18	1096	1384	471447	5301.61
	14	3	94	18	1451	1836	622860	5301.61
	15	1	58.2	18			148758	5301.61
	16	3	93.6	18	1568	1274	300194	5301.61
	17	1	64.3	18			454136	5301.61
	18	3	91.2	18	1379	1304	604540	5301.61
	19	3	85.5	18	1052	1886	129395	5301.61

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
27	1	2	79.3	5	1323		671969	5306.81
	2	2	75.2	5	1542		1034739	5306.81
	3	2	75	5	1258		1397884	5306.81
	4	1	55.6	5			264451	5306.81
	5	3	94.6	5	1148	1300	626848	5306.81
	6	1	52	5			991430	5306.81
	7	1	62.5	5			1354306	5306.81
	8	2	76.6	5	1374		219470	5306.81

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
28	1	3	231535	97.2	1359	1733	231535	5301.21
	2	2	376651	79.6	1913		376651	5301.21
	3	2	522561	81.2	1094		522561	5301.21
	4	1	69854	58.1			69854	5301.21
	5	2	214167	78	1998		214167	5301.21
	6	1	360301	61			360301	5301.21
	7	3	502765	99.5	1444	1510	502765	5301.21
	8	1	51924	57.1			51924	5301.21
	9	1	197105	53.4			197105	5301.21
	10	3	340563	91.4	1170	1902	340563	5301.21
	11	1	487376	63.6			487376	5301.21
	12	3	33922	95	1277	1631	33922	5301.21
	13	2	178729	77	1806		178729	5301.21
	14	3	322791	84.1	1174	1703	322791	5301.21
	15	3	467098	97.4	1549	1108	467098	5301.21
	16	1	16194	53.6			16194	5301.21
	17	2	161052	67.2	1405		161052	5301.21
	18	1	306492	61.4			306492	5301.21
	19	1	451685	57.8			451685	5301.21
	20	2	595385	81.9	1930		595385	5301.21

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
29	1	3	86.9	11	1066	1942	220136	5304.41
	2	1	63.1	11			444640	5304.41
	3	3	97.7	11	1349	1988	665395	5304.41
	4	1	55.2	11			891947	5304.41
	5	2	68.1	11	1474		192999	5304.41
	6	2	74.9	11	1302		416384	5304.41
	7	1	52.5	11			640588	5304.41
	8	1	64.7	11			863600	5304.41
	9	1	52.5	11			165936	5304.41
	10	3	86	11	1838	1566	387738	5304.41
	11	1	54.4	11			612876	5304.41
	12	1	53.6	11			836388	5304.41
	13	3	84	11	1743	1363	137802	5304.41

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
30	1	1	50.9	19			247293	5301.21
	2	3	92	19	1347	1620	398560	5301.21
	3	2	81.9	19	1335	-	552029	5301.21
	4	2	71.6	19	1849		75533	5301.21
	5	1	54.3	19			228477	5301.21
	6	1	53	19			381657	5301.21
	7	3	93.4	19	1621	1364	531363	5301.21
	8	3	85.2	19	1962	1231	56611	5301.21
	9	3	86.9	19	1582	1905	208460	5301.21
	10	1	54.7	19			362546	5301.21
	11	1	52.2	19			515501	5301.21
	12	1	50.6	19			38097	5301.21
	13	3	96.3	19	1921	1751	189681	5301.21
	14	1	58.4	19			343866	5301.21
	15	3	95.2	19	1623	1288	494319	5301.21
	16	2	77.8	19	1914		19215	5301.21
	17	2	71.3	19	1164		171729	5301.21
	18	3	88.5	19	1561	1894	322958	5301.21
	19	2	83.1	19	1273		476567	5301.21

Parameter Data sheet for Radar Type 5

5310MHz (11n-40)

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
1	1	1	51.6	5			412377	5310
	2	1	53	5			775910	5310
	3	2	70.3	5	1346		1138590	5310
	4	3	96.1	5	1766	1237	4173	5310
	5	3	93.2	5	1137	1382	366984	5310
	6	2	81.9	5	1578		730134	5310
	7	3	84.4	5	1865	1956	1091481	5310
	8	2	81.6	5	1149		1456541	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
2	1	1	56.6	5			322771	5310
	2	1	65.7	5			686315	5310
	3	3	86.6	5	1188	1676	1047988	5310
	4	3	90.5	5	1169	1024	1411124	5310
	5	1	64.5	5			278148	5310
	6	3	96	5	1975	1860	639819	5310
	7	3	89.5	5	1030	1808	1003151	5310
	8	3	88.5	5	1777	1464	1365121	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
3	1	1	58.2	11			143552	5310
	2	2	72.4	11	1699		366520	5310
	3	3	88.5	11	1992	1195	588671	5310
	4	3	95.6	11	1554	1230	811445	5310
	5	1	52.8	11			116018	5310
	6	2	73	11	1924		338750	5310
	7	2	74.4	11	1838		561993	5310
	8	1	50.8	11			786702	5310
	9	3	94	11	1472	1389	88141	5310
	10	2	71.3	11	1095		311664	5310
	11	2	74.1	11	1177		534988	5310
	12	2	77.3	11	1621		757542	5310
	13	1	65.5	11			60887	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
4	1	2	78.5	19	1532		193950	5310
	2	3	96.8	19	1018	1772	345838	5310
	3	3	98.9	19	1088	1492	498258	5310
	4	2	75.6	19	1395		22754	5310
	5	3	93.8	19	1244	1112	175063	5310
	6	1	53.3	19			328571	5310
	7	2	69.4	19	1153		480528	5310
	8	3	84.1	19	1150	1500	3971	5310
	9	2	66.8	19	1349		156471	5310
	10	2	70.9	19	1607		308879	5310
	11	1	65.9	19			462254	5310
	12	1	56.8	19			615184	5310
	13	2	76.4	19	1871		137530	5310
	14	3	95.2	19	1602	1419	289197	5310
	15	3	91.2	19	1351	1566	441318	5310
	16	2	80.3	19	1618		594762	5310
	17	1	62.9	19			119200	5310
	18	1	66	19			271984	5310
	19	2	78.2	19	1569		423723	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
5	1	2	69.1	18	1039		577023	5310
	2	3	88.2	18	1111	1447	99977	5310
	3	2	76.9	18	1530		252640	5310
	4	2	67.5	18	1802		404496	5310
	5	2	78.8	18	1280		557891	5310
	6	2	82.6	18	1398		81379	5310
	7	3	95.2	18	1442	1927	233063	5310
	8	2	78.6	18	1460		386049	5310
	9	2	78.6	18	1594		538710	5310
	10	2	69.5	18	1143		62606	5310
	11	1	52	18			215497	5310
	12	2	71.8	18	1061		367655	5310
	13	1	57.7	18			520978	5310
	14	1	57	18			43846	5310
	15	1	66	18			196635	5310
	16	2	78.1	18	1894		348610	5310
	17	2	68.9	18	1903		501060	5310
	18	3	87.8	18	1563	1749	24920	5310
	19	1	64.9	18			177912	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
6	1	2	70.8	15	1904		391903	5310
	2	3	92.6	15	1640	1805	571987	5310
	3	2	70.1	15	1421		7372	5310
	4	1	54.4	15			189015	5310
	5	3	91.5	15	1706	1005	369146	5310
	6	1	51.5	15			551636	5310
	7	2	72.6	15	1898		731238	5310
	8	3	88.7	15	1548	1386	165812	5310
	9	2	76.4	15	1798		347115	5310
	10	2	77.9	15	1862		528423	5310
	11	2	83.3	15	1403		709997	5310
	12	2	70.5	15	1919		143801	5310
	13	2	81.1	15	1955		325094	5310
	14	1	55.2	15			507456	5310
	15	3	96	15	1519	1128	686661	5310
	16	1	58.1	15			121883	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
7	1	2	77.4	16	1275		302673	5310
	2	1	51.6	16			484738	5310
	3	2	79.3	16	1013		665633	5310
	4	2	70	16	1512		99332	5310
	5	3	93	16	1016	1441	280043	5310
	6	3	98.6	16	1754	1462	460772	5310
	7	2	74.7	16	1920		642246	5310
	8	3	90.8	16	1201	1158	76838	5310
	9	1	64.6	16			258550	5310
	10	1	64.7	16			440125	5310
	11	3	99.1	16	1964	1173	619264	5310
	12	1	58.2	16			54765	5310
	13	3	99.8	16	1417	1463	235406	5310
	14	1	60.4	16			417961	5310
	15	2	67	16	1879		598103	5310
	16	2	72.3	16	1285		32317	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
8	1	3	92.5	15	1524	1575	212923	5310
	2	3	98	15	1138	1846	393920	5310
	3	3	95.3	15	1251	1880	574287	5310
	4	3	85.6	15	1660	1979	9988	5310
	5	3	99.1	15	1867	1380	190705	5310
	6	3	83.8	15	1684	1842	371218	5310
	7	3	85.4	15	1200	1993	551909	5310
	8	1	66	15			736645	5310
	9	1	56.2	15			169260	5310
	10	3	93.9	15	1816	1800	349032	5310
	11	2	68.8	15	1290		531338	5310
	12	1	50.6	15			713649	5310
	13	3	95.4	15	1746	1165	146256	5310
	14	3	99	15	1682	1435	327043	5310
	15	2	71	15	1056		509049	5310
	16	1	66.6	15			691145	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
9	1	1	61.7	7			221491	5310
	2	3	99	7	1907	1161	543325	5310
	3	3	88.6	7	1199	1844	865242	5310
	4	2	76.5	7	1400		1189292	5310
	5	3	89.7	7	1883	1978	181240	5310
	6	2	67.8	7	1370		504102	5310
	7	2	71.9	7	1029		827053	5310
	8	2	72.2	7	1702		1149614	5310
	9	2	67.9	7	1322		141812	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
10	1	2	79.4	10	1973		348053	5310
	2	3	89.8	10	1361	1748	589019	5310
	3	2	76.7	10	1744		831182	5310
	4	1	52.4	10			76558	5310
	5	1	64.4	10			318820	5310
	6	3	88.9	10	1525	1639	558993	5310
	7	1	65.9	10			803115	5310
	8	1	60.9	10			46732	5310
	9	1	61	10			288766	5310
	10	2	78	10	1855		529860	5310
	11	2	83.1	10	1990		771466	5310
	12	1	60	10			16909	5310

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
11	1	1	60.3	16			182806	5298.34
	2	1	59.1	16			353800	5298.34
	3	3	93.7	16	1688	1799	521561	5298.34
	4	1	66.2	16			695147	5298.34
	5	1	63.2	16			161817	5298.34
	6	1	63.7	16			332736	5298.34
	7	3	99.1	16	1445	1669	501180	5298.34
	8	2	79.8	16	1338		673223	5298.34
	9	2	74.1	16	1983		140293	5298.34
	10	3	95.4	16	1937	1553	309938	5298.34
	11	1	65.6	16			482677	5298.34
	12	3	93.8	16	1469	1236	650280	5298.34
	13	2	82.5	16	1269		119369	5298.34
	14	3	96.5	16	1948	1031	289080	5298.34
	15	1	50.8	16			461096	5298.34
	16	2	71.8	16	1882		630388	5298.34
	17	3	90.6	16	1068	1363	98278	5298.34

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
12	1	2	82.6	17	1517	-	253939	5298.740
	2	2	74.7	17	1084		415010	5298.740
	3	2	76.1	17	1939		575190	5298.740
	4	2	73	17	1015		73092	5298.740
	5	2	67.7	17	1604		234123	5298.740
	6	2	69.6	17	2000		394823	5298.740
	7	3	94	17	1467	1723	554208	5298.740
	8	1	58.6	17			53325	5298.740
	9	1	63.5	17			214748	5298.740
	10	3	91.9	17	1459	1943	374279	5298.740
	11	1	55	17			537276	5298.740
	12	1	52.8	17			33500	5298.740
	13	3	89.8	17	1027	1190	194064	5298.740
	14	3	84.4	17	1205	1851	354363	5298.740
	15	2	70.9	17	1651		516389	5298.740
	16	3	87.9	17	1989	1415	13555	5298.740
	17	1	56.5	17			175043	5298.740
	18	1	51.4	17			336168	5298.740

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
13	1	3	89.8	9	1175	1135	813191	5295.54
	2	3	95	9	1226	1299	1076476	5295.54
	3	1	60.2	9			253962	5295.54
	4	2	76.4	9	1358		517406	5295.54
	5	1	54	9			782745	5295.54
	6	2	72.8	9	1957		1044409	5295.54
	7	3	92.5	9	1164	1631	220884	5295.54
	8	3	93.8	9	1493	1673	484047	5295.54
	9	3	84.1	9	1446	1535	747702	5295.54
	10	2	74.2	9	1714		1012116	5295.54
	11	2	83	9	1946		188510	5295.54

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
14	1	2	70	19	1426		261404	5299.54
	2	2	67.9	19	1478		414194	5299.54
	3	3	88.1	19	1755	1997	564562	5299.54
	4	3	94.1	19	1949	1042	90055	5299.54
	5	2	70.4	19	1066		242632	5299.54
	6	2	78.4	19	1759		394863	5299.54
	7	1	53.3	19			548969	5299.54
	8	1	57	19			71599	5299.54
	9	3	87	19	1036	1782	223235	5299.54
	10	3	92.6	19	1082	1318	375537	5299.54
	11	3	89.5	19	1000	1769	527810	5299.54
	12	3	99.8	19	1771	1790	52481	5299.54
	13	1	57.6	19			205665	5299.54
	14	3	99.8	19	1931	1277	356688	5299.54
	15	2	71.8	19	1334		509931	5299.54
	16	3	94.1	19	1574	1077	33828	5299.54
	17	2	76.9	19	1270		186253	5299.54
	18	3	84.4	19	1693	1461	338071	5299.54
	19	1	60.9	19			492033	5299.54

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
15	1	3	94.8	17	1679	1685	15894	5298.74
	2	1	55.8	17			177282	5298.74
	3	2	75.9	17	1703		337608	5298.74
	4	3	95	17	1909	1012	497398	5298.74
	5	1	61	17			661483	5298.74
	6	2	76.9	17	1423		157206	5298.74
	7	2	80.3	17	1985		317921	5298.74
	8	1	56.1	17			479983	5298.74
	9	2	70.6	17	1655		639543	5298.74
	10	1	53.2	17			137489	5298.74
	11	2	80.5	17	1843		298051	5298.74
	12	2	73.9	17	1704		459321	5298.74
	13	3	85.6	17	1791	1718	617902	5298.74
	14	2	69.7	17	1559		117320	5298.74
	15	2	75.7	17	1786		278332	5298.74
	16	3	93.6	17	1387	1154	438742	5298.74
	17	2	73.9	17	1443		600632	5298.74
	18	2	66.9	17	1663		97630	5298.74

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
16	1	1	58.7	17			259125	5298.74
	2	2	69.3	17	1829		419581	5298.74
	3	1	56	17			581940	5298.74
	4	2	67.6	17	1824		77758	5298.74
	5	2	80.9	17	1859		238554	5298.74
	6	2	69.5	17	1556		399640	5298.74
	7	1	58.8	17			562135	5298.74
	8	1	50.3	17			58085	5298.74
	9	3	95.3	17	1360	1141	218512	5298.74
	10	1	52.6	17			380801	5298.74
	11	2	76.7	17	1913		540522	5298.74
	12	2	82.3	17	1432		38119	5298.74
	13	2	78.7	17	1720		198887	5298.74
	14	1	65.6	17			360640	5298.74
	15	1	59.4	17			522538	5298.74
	16	2	73.1	17	1545		18279	5298.74
	17	2	79.5	17	1707		179260	5298.74
	18	2	77.1	17	1306		340466	5298.74

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
17	1	3	94.1	7	1783	1971	902250	5294.74
	2	2	73	7	1592		1194337	5294.74
	3	2	77	7	1083		287565	5294.74
	4	2	67.2	7	1677		577962	5294.74
	5	3	90.1	7	1255	1336	867174	5294.74
	6	2	72.3	7	1593		1158060	5294.74
	7	2	82.7	7	1374		251751	5294.74
	8	1	53.7	7			542653	5294.74
	9	1	56.4	7			833101	5294.74
	10	2	68.6	7	1107		1122605	5294.74

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
18	1	1	53.8	12			166395	5296.74
	2	2	80	12	1438		389170	5296.74
	3	2	81.9	12	1098		612412	5296.74
	4	1	56.2	12			836843	5296.74
	5	3	97.9	12	1881	1147	138368	5296.74
	6	2	77.1	12	1656		361811	5296.74
	7	2	68.2	12	1341		585041	5296.74
	8	1	65	12			809473	5296.74
	9	1	54.9	12			111280	5296.74
	10	2	77.1	12	1620		334240	5296.74
	11	2	75	12	1176		557492	5296.74
	12	1	56.3	12			781981	5296.74
	13	3	86.1	12	1452	1276	83471	5296.74

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
19	1	1	60.6	17			234803	5298.74
	2	2	81.6	17	1833		404706	5298.74
	3	2	77.7	17	1281		575403	5298.74
	4	2	79.5	17	1004		42849	5298.74
	5	3	88.4	17	1401	1622	212809	5298.74
	6	2	74.5	17	1636		383845	5298.74
	7	1	64.9	17			555530	5298.74
	8	1	64.5	17			21895	5298.74
	9	1	62.5	17			192734	5298.74
	10	3	90.3	17	1121	1568	362027	5298.74
	11	3	98.6	17	1113	1171	532373	5298.74
	12	3	99.5	17	1089	1510	851	5298.74
	13	1	50.9	17			171805	5298.74
	14	3	90	17	1834	1406	340930	5298.74
	15	3	91.5	17	1520	1845	511095	5298.74
	16	2	79.3	17	1086		683616	5298.74
	17	3	83.8	17	1069	1100	150251	5298.74

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
20	1	3	84.9	19	1045	1837	286065	5299.54
	2	2	77.1	19	1899		438705	5299.54
	3	1	63.1	19			593269	5299.54
	4	3	90.2	19	1151	1222	115408	5299.54
	5	3	96.6	19	1192	1362	267463	5299.54
	6	1	65.3	19			421612	5299.54
	7	2	70.7	19	1642		573308	5299.54
	8	2	70.4	19	1076		96916	5299.54
	9	3	84.4	19	1887	1198	248819	5299.54
	10	1	51.5	19			402814	5299.54
	11	3	97.4	19	1531	1649	552406	5299.54
	12	3	94.5	19	1321	1180	77962	5299.54
	13	2	68.1	19	1373		230476	5299.54
	14	1	52.3	19			384140	5299.54
	15	1	52	19			536581	5299.54
	16	3	87.7	19	1156	1615	59186	5299.54
	17	3	86.9	19	1733	1921	211121	5299.54
	18	1	66.3	19			364973	5299.54
	19	3	85.7	19	1715	1926	514649	5299.54

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
21	1	1	62.3	5			96661	5326.06
	2	3	92.8	5	1394	1091	459301	5326.06
	3	3	94.4	5	1506	1431	821700	5326.06
	4	2	79.2	5	1257		1185821	5326.06
	5	3	91.6	5	1131	1513	51780	5326.06
	6	1	54.1	5			415177	5326.06
	7	3	91.3	5	1662	1653	776829	5326.06
	8	3	89.7	5	1861	1687	1139234	5326.06

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
22	1	3	83.4	12	1238	1354	4362	5323.25965
	2	1	56.7	12			227936	5323.25965
	3	3	97	12	1674	1830	449509	5323.25965
	4	3	87.2	12	1189	1404	672662	5323.25965
	5	2	76.7	12	1060		897568	5323.25965
	6	3	85.7	12	1011	1735	199793	5323.25965
	7	2	71.2	12	1586		423070	5323.25965
	8	3	92.2	12	1779	1297	645378	5323.25965
	9	3	98	12	1891	1129	868162	5323.25965
	10	3	93.3	12	1953	1266	172305	5323.25965
	11	3	95.9	12	1708	1665	395005	5323.25965
	12	1	64.1	12			620033	5323.25965
	13	1	66.3	12			843756	5323.25965

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
23	1	1	57	12			134822	5323.26
	2	1	59	12			342509	5323.26
	3	1	53.9	12			549889	5323.26
	4	2	73	12	1274		756732	5323.26
	5	2	67.5	12	1140		109142	5323.26
	6	2	70	12	1428		316485	5323.26
	7	3	94.4	12	1741	1591	522421	5323.26
	8	3	88	12	1079	1840	729042	5323.26
	9	3	96.5	12	1097	1780	83495	5323.26
	10	1	61.7	12			291153	5323.26
	11	1	64	12			499083	5323.26
	12	2	73.6	12	1804		704908	5323.26
	13	1	55.8	12			58186	5323.26
	14	2	66.9	12	1905		265037	5323.26

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
24	1	3	91	5	1691	1436	827287	5326.06
	2	3	90.6	5	1584	1581	1189510	5326.06
	3	3	97.9	5	1839	1486	57047	5326.06
	4	2	71.5	5	1728		420190	5326.06
	5	3	86.1	5	1235	1608	782320	5326.06
	6	1	55.2	5			1147508	5326.06
	7	2	75.7	5	1813		12397	5326.06
	8	3	87.3	5	1003	1508	375287	5326.06

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
25	1	1	63.7	19			311043	5320.46
	2	3	87.5	19	1241	1852	461149	5320.46
	3	1	64.4	19			616327	5320.46
	4	2	70.7	19	1711		138928	5320.46
	5	1	58.8	19			292215	5320.46
	6	3	97	19	1730	1475	442494	5320.46
	7	1	60.1	19			597737	5320.46
	8	1	54.1	19			120426	5320.46
	9	3	94.4	19	1209	1376	272150	5320.46
	10	3	91	19	1052	1970	423979	5320.46
	11	1	52.2	19			579166	5320.46
	12	2	69.4	19	1541		101269	5320.46
	13	1	55.3	19			254445	5320.46
	14	3	83.8	19	1841	1033	405520	5320.46
	15	3	90.4	19	1936	1540	556588	5320.46
	16	1	56.2	19			82687	5320.46
	17	2	74	19	1950		234755	5320.46
	18	3	84.1	19	1603	1700	386172	5320.46
	19	3	97	19	1893	1258	538714	5320.46

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
26	1	1	51.6	11			93456	5323.66
	2	3	86.9	11	1503	1815	315724	5323.66
	3	3	95	11	1896	1929	538153	5323.66
	4	2	82.9	11	1590		763041	5323.66
	5	1	63.6	11			65929	5323.66
	6	2	70.9	11	1645		288938	5323.66
	7	2	68.7	11	1344		512377	5323.66
	8	2	80.3	11	1288		735095	5323.66
	9	1	51.6	11			38433	5323.66
	10	1	50	11			261894	5323.66
	11	2	71.8	11	1638		484718	5323.66
	12	1	59.8	11			708897	5323.66
	13	1	58.9	11			10896	5323.66

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
27	1	3	90.6	12	1869	1074	216866	5323.26
	2	2	69.7	12	1792		424098	5323.26
	3	3	95.4	12	1043	1994	630360	5323.26
	4	1	66.5	12			839853	5323.26
	5	1	58.5	12			192174	5323.26
	6	3	96.9	12	1247	1811	398307	5323.26
	7	1	61.2	12			606799	5323.26
	8	3	97.5	12	1245	1123	812389	5323.26
	9	2	77.8	12	1282		166285	5323.26
	10	3	92.4	12	1207	1025	373253	5323.26
	11	2	67.4	12	1324		580316	5323.26
	12	2	73.1	12	1774		787559	5323.26
	13	2	71.4	12	1497		140725	5323.26
	14	3	86.5	12	1705	1641	347217	5323.26

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
28	1	1	61.5	13			518572	5322.86
	2	1	57.2	13			712759	5322.86
	3	1	50.1	13			107680	5322.86
	4	3	91.7	13	1947	1657	299849	5322.86
	5	3	97.6	13	1208	1468	493375	5322.86
	6	1	51.9	13			688516	5322.86
	7	1	58.3	13			83842	5322.86
	8	2	74	13	1610		276770	5322.86
	9	1	50.4	13			471358	5322.86
	10	2	68.7	13	1124		663880	5322.86
	11	1	54.5	13			59977	5322.86
	12	1	50.8	13			253644	5322.86
	13	3	99.9	13	1724	1873	445010	5322.86
	14	3	90.1	13	1372	1348	638798	5322.86
	15	2	66.7	13	1456		36069	5322.86

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
29	1	1	58.5	9			287462	5324.46
	2	1	54	9			529658	5324.46
	3	2	72.6	9	1484		770879	5324.46
	4	2	81.1	9	1457		15318	5324.46
	5	3	93.3	9	1856	1740	256580	5324.46
	6	2	78.8	9	1583		499109	5324.46
	7	3	85.7	9	1256	1243	739974	5324.46
	8	3	88.4	9	1265	1930	980879	5324.46
	9	2	73.8	9	1613		227254	5324.46
	10	3	97.7	9	1286	1499	468585	5324.46
	11	2	77.1	9	1683		711087	5324.46
	12	2	72.9	9	1225		953439	5324.46

Trial #	Burst Number	Number of Pulses	Pulse Width [usec]	Chirp Width	Pulse 1-to-2 Spacing [usec]	Pulse 2-to-3 Spacing [usec]	Starting Location Within Interval [usec]	Center Frequency[MHz]
30	1	3	99.5	14	1405	1901	327	5322.46
	2	2	73.9	14	1794		437688	5322.46
	3	3	94.6	14	1313	1501	462273	5322.46
	4	2	77.6	14	1057		607354	5322.46
	5	1	59.7	14			419675	5322.46
	6	3	92.2	14	1609	1974	373443	5322.46
	7	3	84.5	14	1567	1757	160524	5322.46
	8	1	57.2	14			415547	5322.46
	9	2	73.1	14	1364		273586	5322.46
	10	1	51.4	14			282032	5322.46
	11	1	58.4	14			379818	5322.46
	12	2	74.2	14	1987		179722	5322.46
	13	1	57.8	14			277390	5322.46
	14	1	50.5	14			317944	5322.46
	15	1	66.6	14			526463	5322.46

Parameter Data sheet for Radar Type 6

5300MHz (11n-20)

Trial #	Frequency List (MHz)	0	1	2	3	4
1	0	5633	5313	5323	5393	5371
	5	5315	5572	5701	5307	5579
	10	5285	5721	5476	5491	5666
	15	5675	5545	5366	5258	5516
	20	5383	5409	5511	5522	5689
	25	5514	5262	5281	5585	5332
	30	5346	5704	5524	5538	5363
	35	5401	5257	5463	5397	5473
	40	5629	5639	5490	5549	5635
	45	5560	5268	5641	5289	5642
	50	5706	5647	5571	5624	5596
	55	5504	5526	5657	5670	5544
	60	5594	5664	5364	5299	5678
	65	5499	5659	5394	5456	5520
	70	5466	5505	5597	5276	5698
	75	5304	5301	5719	5365	5546
	80	5512	5462	5404	5620	5314
	85	5712	5459	5627	5478	5284
	90	5465	5528	5432	5392	5648
	95	5532	5683	5591	5329	5436

Trial #	Frequency List (MHz)	0	1	2	3	4
2	0	5413	5552	5259	5554	5688
	5	5357	5497	5301	5470	5311
	10	5594	5510	5517	5686	5687
	15	5288	5672	5469	5303	5330
	20	5391	5575	5452	5508	5495
	25	5480	5463	5368	5385	5619
	30	5374	5332	5661	5264	5312
	35	5334	5405	5589	5528	5713
	40	5712	5577	5255	5546	5467
	45	5540	5351	5699	5342	5432
	50	5582	5348	5680	5660	5447
	55	5476	5309	5458	5716	5641
	60	5673	5284	5609	5671	5600
	65	5624	5700	5608	5430	5412
	70	5269	5426	5588	5697	5674
	75	5263	5648	5364	5527	5667
	80	5572	5377	5612	5654	5530
	85	5320	5722	5657	5396	5386
	90	5543	5371	5689	5473	5438
	95	5637	5491	5420	5329	5601

Trial #	Frequency List (MHz)	0	1	2	3	4
3	0	5668	5316	5670	5618	5433
	5	5399	5519	5376	5633	5615
	10	5525	5396	5655	5309	5708
	15	5279	5324	5572	5348	5522
	20	5644	5393	5597	5468	5368
	25	5315	5571	5586	5556	5513
	30	5696	5479	5464	5532	5544
	35	5680	5391	5700	5626	5417
	40	5418	5398	5640	5520	5434
	45	5282	5395	5319	5361	5524
	50	5256	5274	5270	5420	5497
	55	5412	5431	5673	5612	5327
	60	5449	5554	5503	5426	5667
	65	5523	5557	5466	5498	5682
	70	5547	5574	5650	5697	5617
	75	5387	5508	5444	5585	5441
	80	5473	5440	5609	5471	5259
	85	5307	5374	5437	5666	5695
	90	5675	5258	5450	5276	5546
	95	5501	5702	5580	5295	5318

Trial #	Frequency List (MHz)	0	1	2	3	4
4	0	5448	5555	5606	5304	5275
	5	5538	5444	5451	5699	5347
	10	5456	5660	5696	5504	5254
	15	5367	5675	5296	5714	5310
	20	5335	5334	5589	5441	5634
	25	5264	5299	5690	5590	5585
	30	5575	5597	5713	5352	5683
	35	5692	5544	5711	5465	5500
	40	5356	5638	5637	5325	5517
	45	5340	5584	5712	5700	5307
	50	5460	5471	5267	5685	5366
	55	5524	5492	5486	5359	5614
	60	5596	5349	5613	5724	5506
	65	5405	5330	5574	5350	5667
	70	5560	5298	5626	5656	5489
	75	5507	5697	5695	5600	5666
	80	5433	5576	5270	5469	5704
	85	5391	5564	5389	5552	5701
	90	5612	5615	5559	5293	5601
	95	5485	5462	5625	5493	5316

Trial #	Frequency List (MHz)	0	1	2	3	4
5	0	5703	5319	5542	5465	5495
	5	5580	5466	5526	5387	5554
	10	5290	5449	5262	5699	5275
	15	5455	5578	5303	5341	5431
	20	5318	5404	5372	5678	5414
	25	5522	5591	5502	5624	5597
	30	5571	5532	5337	5390	5550
	35	5250	5488	5625	5401	5583
	40	5294	5403	5634	5632	5480
	45	5600	5301	5501	5471	5588
	50	5358	5549	5686	5398	5320
	55	5714	5311	5457	5304	5541
	60	5642	5650	5559	5450	5441
	65	5540	5369	5531	5264	5546
	70	5328	5525	5602	5615	5458
	75	5627	5268	5470	5473	5708
	80	5478	5704	5663	5603	5386
	85	5336	5418	5330	5661	5669
	90	5442	5684	5717	5707	5646
	95	5400	5668	5310	5656	5469

Trial #	Frequency List (MHz)	0	1	2	3	4
6	0	5386	5558	5478	5626	5337
	5	5622	5391	5601	5550	5383
	10	5696	5713	5303	5419	5296
	15	5543	5608	5309	5623	5326
	20	5570	5313	5670	5387	5443
	25	5705	5423	5658	5639	5460
	30	5489	5552	5370	5389	5284
	35	5472	5539	5715	5288	5707
	40	5643	5631	5561	5363	5683
	45	5359	5457	5261	5464	5480
	50	5409	5638	5592	5533	5274
	55	5429	5508	5428	5617	5469
	60	5486	5571	5573	5505	5273
	65	5404	5477	5372	5334	5336
	70	5629	5374	5481	5574	5427
	75	5272	5411	5451	5250	5343
	80	5259	5393	5251	5600	5581
	85	5714	5357	5293	5281	5537
	90	5396	5585	5407	5335	5583
	95	5282	5680	5327	5711	5493

Trial #	Frequency List (MHz)	0	1	2	3	4
7	0	5641	5322	5414	5312	5557
	5	5664	5413	5676	5713	5590
	10	5530	5502	5344	5614	5317
	15	5534	5260	5412	5431	5340
	20	5712	5639	5254	5284	5360
	25	5392	5336	5624	5692	5303
	30	5446	5292	5316	5568	5528
	35	5666	5555	5625	5550	5554
	40	5371	5645	5311	5628	5393
	45	5343	5291	5417	5510	5623
	50	5718	5656	5460	5252	5415
	55	5477	5677	5703	5619	5327
	60	5399	5271	5634	5403	5548
	65	5474	5353	5416	5582	5531
	70	5612	5505	5615	5698	5457
	75	5533	5299	5295	5529	5405
	80	5453	5515	5314	5500	5301
	85	5714	5674	5473	5350	5358
	90	5702	5572	5341	5617	5441
	95	5391	5302	5459	5709	5601

Trial #	Frequency List (MHz)	0	1	2	3	4
8	0	5421	5658	5350	5473	5399
	5	5328	5435	5276	5304	5322
	10	5461	5388	5385	5712	5338
	15	5622	5387	5515	5379	5532
	20	5720	5330	5292	5333	5564
	25	5719	5539	5253	5251	5345
	30	5335	5403	5410	5565	5667
	35	5282	5448	5303	5464	5393
	40	5454	5583	5551	5722	5323
	45	5374	5378	5563	5413	5594
	50	5357	5511	5438	5616	5324
	55	5390	5657	5334	5621	5273
	60	5400	5710	5700	5494	5297
	65	5302	5452	5414	5326	5415
	70	5577	5601	5434	5547	5433
	75	5492	5268	5600	5510	5466
	80	5296	5721	5474	5497	5593
	85	5617	5613	5316	5665	5370
	90	5401	5606	5425	5262	5347
	95	5554	5424	5423	5458	5346

Trial #	Frequency List (MHz)	0	1	2	3	4
9	0	5676	5422	5286	5634	5619
	5	5370	5360	5351	5467	5626
	10	5392	5652	5426	5432	5359
	15	5710	5514	5618	5424	5724
	20	5253	5399	5708	5365	5306
	25	5355	5668	5267	5357	5285
	30	5387	5699	5625	5717	5683
	35	5709	5373	5719	5553	5378
	40	5707	5537	5521	5316	5251
	45	5303	5457	5436	5616	5300
	50	5470	5533	5562	5527	5439
	55	5268	5578	5611	5524	5440
	60	5489	5418	5542	5623	5498
	65	5391	5624	5693	5271	5684
	70	5534	5396	5409	5451	5615
	75	5535	5491	5434	5576	5552
	80	5313	5494	5520	5455	5376
	85	5335	5282	5427	5353	5588
	90	5435	5475	5401	5599	5662
	95	5638	5665	5252	5694	5516

Trial #	Frequency List (MHz)	0	1	2	3	4
10	0	5359	5661	5697	5698	5461
	5	5412	5382	5426	5630	5358
	10	5701	5441	5467	5627	5380
	15	5323	5641	5721	5469	5538
	20	5639	5565	5649	5357	5279
	25	5718	5520	5470	5319	5526
	30	5685	5317	5365	5491	5406
	35	5373	5464	5515	5706	5389
	40	5643	5717	5459	5556	5716
	45	5558	5283	5540	5494	5669
	50	5346	5709	5613	5616	5262
	55	5590	5291	5714	5637	5690
	60	5561	5654	5363	5374	5449
	65	5483	5321	5675	5427	5456
	70	5488	5399	5343	5670	5537
	75	5623	5385	5410	5584	5655
	80	5314	5472	5686	5333	5477
	85	5600	5508	5297	5339	5678
	90	5530	5443	5592	5622	5566
	95	5544	5492	5583	5560	5293

Trial #	Frequency List (MHz)	0	1	2	3	4
11	0	5614	5425	5633	5384	5681
	5	5454	5307	5501	5318	5565
	10	5632	5705	5605	5347	5401
	15	5314	5671	5252	5417	5255
	20	5647	5634	5687	5446	5509
	25	5372	5673	5353	5568	5574
	30	5274	5580	5643	5701	5512
	35	5555	5408	5303	5482	5325
	40	5300	5699	5713	5487	5263
	45	5623	5455	5722	5452	5600
	50	5410	5664	5560	5534	5479
	55	5422	5332	5456	5661	5690
	60	5344	5308	5429	5522	5624
	65	5463	5666	5283	5677	5656
	70	5637	5472	5264	5369	5457
	75	5453	5589	5641	5285	5488
	80	5703	5423	5711	5399	5572
	85	5360	5282	5462	5559	5448
	90	5653	5606	5511	5567	5499
	95	5396	5648	5312	5465	5400

Trial #	Frequency List (MHz)	0	1	2	3	4
12	0	5394	5664	5569	5545	5523
	5	5593	5329	5576	5384	5563
	10	5494	5646	5542	5422	5402
	15	5323	5355	5462	5447	5655
	20	5325	5628	5438	5700	5397
	25	5321	5304	5291	5387	5610
	30	5463	5706	5698	5417	5424
	35	5554	5268	5679	5634	5692
	40	5408	5713	5464	5710	5319
	45	5621	5328	5513	5678	5717
	50	5476	5586	5715	5286	5381
	55	5667	5376	5522	5275	5535
	60	5344	5509	5350	5673	5375
	65	5723	5573	5498	5650	5480
	70	5584	5642	5640	5425	5503
	75	5434	5334	5370	5330	5348
	80	5388	5423	5326	5553	5362
	85	5289	5511	5411	5551	5461
	90	5468	5665	5623	5566	5648
	95	5453	5478	5499	5407	5677

Trial #	Frequency List (MHz)	0	1	2	3	4
13	0	5649	5428	5505	5706	5268
	5	5635	5254	5651	5547	5601
	10	5397	5380	5687	5640	5443
	15	5490	5450	5458	5507	5639
	20	5566	5491	5569	5527	5673
	25	5663	5648	5395	5421	5274
	30	5449	5438	5719	5693	5359
	35	5475	5312	5703	5704	5329
	40	5723	5411	5571	5256	5604
	45	5352	5287	5291	5584	5325
	50	5283	5330	5712	5472	5506
	55	5473	5674	5295	5442	5499
	60	5418	5546	5522	5708	5445
	65	5278	5250	5265	5645	5691
	70	5394	5646	5415	5444	5626
	75	5385	5715	5326	5481	5476
	80	5365	5324	5659	5612	5474
	85	5530	5590	5299	5621	5632
	90	5351	5360	5602	5666	5502
	95	5414	5390	5665	5376	5682

Trial #	Frequency List (MHz)	0	1	2	3	4
14	0	5429	5667	5441	5392	5585
	5	5677	5276	5251	5710	5333
	10	5328	5644	5253	5360	5464
	15	5578	5577	5561	5552	5356
	20	5574	5560	5607	5519	5646
	25	5551	5597	5499	5455	5316
	30	5338	5620	5653	5343	5442
	35	5357	5450	5271	5465	5617
	40	5474	5671	5589	5372	5326
	45	5652	5581	5494	5532	5309
	50	5394	5606	5463	5342	5594
	55	5407	5647	5471	5284	5427
	60	5291	5477	5602	5364	5715
	65	5274	5422	5272	5377	5540
	70	5337	5350	5711	5268	5397
	75	5721	5266	5563	5692	5396
	80	5457	5382	5435	5704	5334
	85	5385	5576	5344	5416	5572
	90	5479	5302	5480	5564	5472
	95	5311	5657	5676	5616	5724

Trial #	Frequency List (MHz)	0	1	2	3	4
15	0	5587	5431	5377	5553	5330
	5	5719	5676	5326	5398	5540
	10	5259	5433	5294	5555	5485
	15	5569	5704	5664	5500	5548
	20	5582	5251	5608	5619	5439
	25	5449	5438	5603	5489	5358
	30	5324	5577	5393	5495	5262
	35	5496	5541	5639	5715	5531
	40	5410	5279	5527	5612	5323
	45	5484	5561	5590	5362	5281
	50	5482	5683	5705	5591	5659
	55	5713	5617	5585	5448	5634
	60	5529	5660	5678	5723	5310
	65	5570	5420	5413	5275	5607
	70	5267	5422	5697	5271	5721
	75	5643	5680	5710	5360	5424
	80	5567	5663	5250	5379	5630
	85	5651	5348	5293	5309	5370
	90	5345	5677	5467	5583	5501
	95	5257	5674	5256	5622	5696

Trial #	Frequency List (MHz)	0	1	2	3	4
16	0	5367	5670	5313	5714	5647
	5	5383	5698	5401	5464	5369
	10	5568	5697	5335	5275	5506
	15	5657	5259	5545	5265	5493
	20	5320	5489	5600	5592	5705
	25	5301	5641	5329	5523	5497
	30	5688	5534	5511	5269	5557
	35	5538	5632	5435	5393	5542
	40	5724	5362	5465	5377	5413
	45	5541	5660	5648	5415	5546
	50	5358	5340	5444	5297	5431
	55	5438	5372	5667	5332	5404
	60	5322	5288	5694	5702	5510
	65	5549	5256	5296	5449	5582
	70	5499	5591	5683	5371	5570
	75	5619	5639	5328	5503	5676
	80	5580	5414	5376	5350	5607
	85	5590	5408	5485	5652	5421
	90	5496	5589	5535	5614	5529
	95	5311	5681	5520	5675	5436

Trial #	Frequency List (MHz)	0	1	2	3	4
17	0	5622	5434	5724	5400	5392
	5	5425	5623	5476	5627	5576
	10	5499	5486	5376	5470	5527
	15	5270	5386	5298	5590	5457
	20	5501	5430	5689	5565	5593
	25	5250	5272	5433	5557	5539
	30	5577	5491	5251	5421	5280
	35	5677	5723	5706	5546	5456
	40	5563	5542	5403	5617	5317
	45	5720	5521	5268	5609	5468
	50	5709	5516	5495	5483	5254
	55	5382	5560	5621	5522	5601
	60	5293	5417	5384	5647	5342
	65	5472	5299	5594	5318	5388
	70	5294	5348	5663	5291	5374
	75	5419	5498	5598	5551	5351
	80	5549	5436	5453	5690	5700
	85	5481	5285	5373	5642	5510
	90	5432	5371	5580	5520	5375
	95	5269	5695	5322	5595	5399

Trial #	Frequency List (MHz)	0	1	2	3	4
18	0	5402	5673	5660	5464	5709
	5	5467	5645	5551	5315	5308
	10	5333	5275	5417	5568	5548
	15	5358	5513	5401	5635	5271
	20	5509	5555	5468	5681	5538
	25	5384	5577	5475	5537	5591
	30	5581	5563	5448	5466	5670
	35	5575	5341	5436	5599	5321
	40	5370	5625	5719	5285	5411
	45	5649	5404	5351	5667	5424
	50	5698	5488	5692	5546	5572
	55	5552	5704	5273	5615	5420
	60	5264	5549	5592	5298	5720
	65	5320	5267	5624	5564	5626
	70	5357	5277	5474	5268	5557
	75	5423	5471	5608	5325	5481
	80	5445	5362	5413	5274	5431
	85	5297	5485	5426	5517	5515
	90	5487	5601	5506	5281	5650
	95	5347	5421	5536	5545	5425

Trial #	Frequency List (MHz)	0	1	2	3	4
19	0	5560	5437	5596	5625	5454
	5	5509	5570	5626	5478	5612
	10	5264	5636	5555	5288	5569
	15	5349	5640	5504	5583	5463
	20	5420	5721	5409	5295	5511
	25	5272	5526	5678	5641	5623
	30	5452	5405	5681	5347	5298
	35	5383	5527	5395	5474	5381
	40	5338	5708	5657	5525	5408
	45	5578	5384	5434	5250	5477
	50	5585	5364	5393	5597	5661
	55	5375	5648	5529	5330	5714
	60	5710	5675	5634	5481	5696
	65	5666	5618	5691	5363	5359
	70	5456	5429	5263	5495	5450
	75	5516	5392	5591	5398	5385
	80	5262	5334	5508	5270	5557
	85	5413	5688	5394	5353	5380
	90	5290	5713	5652	5704	5540
	95	5638	5284	5476	5255	5311

Trial #	Frequency List (MHz)	0	1	2	3	4
20	0	5340	5676	5532	5311	5296
	5	5648	5592	5701	5641	5344
	10	5670	5425	5596	5483	5590
	15	5437	5292	5607	5628	5655
	20	5428	5315	5350	5287	5484
	25	5538	5378	5406	5367	5659
	30	5341	5362	5324	5593	5522
	35	5618	5666	5627	5295	5652
	40	5316	5595	5290	5405	5410
	45	5364	5517	5686	5530	5375
	50	5715	5569	5275	5576	5552
	55	5520	5436	5584	5707	5404
	60	5579	5709	5262	5399	5251
	65	5610	5598	5724	5577	5426
	70	5475	5264	5711	5379	5637
	75	5448	5518	5498	5571	5267
	80	5277	5454	5318	5334	5533
	85	5342	5710	5477	5423	5478
	90	5531	5714	5684	5397	5276
	95	5346	5473	5258	5506	5547

21	0	5595	5440	5468	5472	5516
	5	5690	5517	5301	5707	5551
	10	5504	5689	5637	5678	5611
	15	5525	5322	5613	5673	5372
	20	5436	5481	5388	5376	5457
	25	5426	5327	5609	5471	5693
	30	5329	5319	5539	5273	5316
	35	5661	5709	5462	5402	5684
	40	5491	5496	5533	5530	5339
	45	5344	5600	5269	5583	5262
	50	5591	5270	5699	5461	5399
	55	5439	5265	5437	5710	5255
	60	5555	5361	5569	5524	5717
	65	5348	5655	5545	5686	5435
	70	5401	5618	5413	5670	5332
	75	5580	5668	5434	5708	5259
	80	5452	5360	5414	5558	5299
	85	5565	5634	5264	5417	5385
	90	5311	5256	5507	5716	5511
	95	5305	5405	5495	5586	5320

Trial #	Frequency List (MHz)	0	1	2	3	4
22	0	5630	5540	5340	5319	5578
	5	5396	5464	5354	5558	5587
	10	5366	5267	5719	5496	5653
	15	5604	5576	5344	5666	5281
	20	5355	5716	5270	5457	5403
	25	5580	5506	5443	5679	5664
	30	5510	5708	5494	5674	5431
	35	5367	5513	5626	5609	5644
	40	5662	5409	5438	5575	5304
	45	5291	5288	5689	5414	5721
	50	5622	5326	5639	5520	5705
	55	5641	5723	5615	5368	5497
	60	5619	5424	5511	5381	5572
	65	5547	5569	5584	5410	5683
	70	5436	5269	5257	5352	5549
	75	5499	5322	5681	5336	5418
	80	5382	5636	5484	5597	5628
	85	5440	5588	5390	5332	5274
	90	5362	5253	5482	5447	5526
	95	5529	5696	5475	5712	5585

Trial #	Frequency List (MHz)	0	1	2	3	4
23	0	5313	5304	5276	5480	5420
	5	5438	5486	5429	5721	5319
	10	5675	5628	5285	5691	5674
	15	5692	5703	5447	5711	5473
	20	5363	5407	5308	5449	5376
	25	5468	5455	5646	5405	5698
	30	5552	5566	5665	5612	5448
	35	5629	5506	5604	5422	5483
	40	5523	5580	5367	5347	5678
	45	5490	5504	5284	5374	5346
	50	5267	5679	5597	5323	5377
	55	5253	5649	5354	5677	5330
	60	5565	5371	5273	5589	5456
	65	5688	5398	5590	5392	5533
	70	5446	5275	5575	5297	5605
	75	5387	5686	5593	5708	5311
	80	5518	5619	5309	5303	5598
	85	5694	5592	5582	5445	5633
	90	5470	5500	5683	5459	5344
	95	5472	5527	5356	5419	5329

Trial #	Frequency List (MHz)	0	1	2	3	4
24	0	5568	5543	5687	5544	5640
	5	5480	5411	5504	5312	5623
	10	5606	5417	5326	5695	5305
	15	5355	5550	5281	5665	5274
	20	5476	5724	5538	5349	5259
	25	5307	5374	5509	5257	5594
	30	5455	5622	5352	5600	5449
	35	5645	5315	5636	5437	5419
	40	5450	5285	5346	5487	5336
	45	5642	5457	5404	5698	5566
	50	5473	5499	5428	5342	5496
	55	5542	5631	5423	5384	5402
	60	5279	5401	5617	5321	5536
	65	5593	5482	5385	5485	5370
	70	5478	5677	5373	5311	5442
	75	5684	5270	5390	5264	5452
	80	5284	5375	5329	5649	5508
	85	5630	5399	5500	5409	5463
	90	5400	5327	5395	5256	5292
	95	5692	5362	5453	5589	5269

Trial #	Frequency List (MHz)	0	1	2	3	4
25	0	5348	5307	5720	5705	5482
	5	5522	5433	5579	5475	5355
	10	5440	5681	5367	5606	5716
	15	5393	5385	5556	5704	5479
	20	5282	5642	5665	5530	5322
	25	5622	5256	5577	5613	5291
	30	5258	5441	5567	5374	5647
	35	5687	5311	5586	5314	5448
	40	5533	5601	5484	5265	5540
	45	5365	5276	5356	5252	5675
	50	5528	5633	5585	5678	5313
	55	5434	5444	5346	5449	5416
	60	5431	5421	5317	5262	5281
	65	5274	5359	5660	5287	5498
	70	5362	5627	5439	5629	5338
	75	5668	5594	5403	5251	5426
	80	5592	5292	5349	5504	5490
	85	5382	5368	5390	5471	5677
	90	5386	5337	5644	5455	5419
	95	5303	5399	5320	5703	5641

Trial #	Frequency List (MHz)	0	1	2	3	4
26	0	5603	5546	5656	5391	5702
	5	5661	5358	5654	5638	5562
	10	5371	5470	5505	5326	5262
	15	5384	5512	5659	5274	5671
	20	5290	5711	5703	5619	5295
	25	5413	5583	5683	5717	5325
	30	5300	5330	5536	5307	5526
	35	5467	5351	5402	5382	5564
	40	5362	5572	5616	5539	5481
	45	5602	5623	5423	5329	5718
	50	5376	5530	5617	5665	5287
	55	5346	5328	5400	5284	5563
	60	5609	5388	5281	5545	5525
	65	5380	5360	5624	5532	5559
	70	5443	5345	5414	5615	5636
	75	5663	5706	5407	5641	5343
	80	5404	5452	5410	5502	5256
	85	5411	5403	5486	5687	5635
	90	5277	5310	5547	5374	5424
	95	5390	5694	5441	5418	5542

Trial #	Frequency List (MHz)	0	1	2	3	4
27	0	5286	5310	5592	5552	5544
	5	5703	5380	5254	5326	5391
	10	5302	5259	5546	5424	5283
	15	5472	5639	5287	5319	5388
	20	5676	5402	5644	5611	5268
	25	5301	5435	5411	5443	5359
	30	5342	5694	5493	5425	5300
	35	5665	5490	5653	5717	5276
	40	5508	5321	5477	5591	5478
	45	5501	5582	5706	5481	5382
	50	5479	5581	5534	5518	5633
	55	5692	5299	5333	5588	5371
	60	5471	5343	5329	5396	5327
	65	5362	5515	5428	5417	5367
	70	5612	5622	5675	5527	5687
	75	5324	5656	5562	5666	5524
	80	5606	5306	5507	5449	5404
	85	5600	5354	5525	5712	5458
	90	5613	5711	5496	5440	5316
	95	5625	5589	5269	5693	5514

Trial #	Frequency List (MHz)	0	1	2	3	4
28	0	5541	5549	5528	5713	5289
	5	5270	5305	5329	5392	5598
	10	5611	5620	5587	5619	5304
	15	5560	5291	5390	5364	5580
	20	5684	5471	5585	5700	5716
	25	5664	5384	5614	5547	5393
	30	5481	5680	5450	5640	5452
	35	5485	5629	5681	5546	5395
	40	5287	5347	5404	5415	5259
	45	5572	5430	5562	5314	5442
	50	5435	5258	5253	5632	5320
	55	5689	5553	5722	5447	5708
	60	5513	5604	5346	5464	5278
	65	5517	5672	5417	5641	5432
	70	5666	5694	5414	5691	5491
	75	5581	5647	5355	5336	5479
	80	5521	5326	5349	5509	5499
	85	5468	5405	5298	5328	5402
	90	5483	5495	5511	5350	5551
	95	5386	5338	5295	5519	5688

Trial #	Frequency List (MHz)	0	1	2	3	4
29	0	5321	5313	5464	5399	5509
	5	5312	5327	5404	5555	5330
	10	5542	5409	5628	5339	5325
	15	5648	5418	5493	5297	5692
	20	5637	5623	5689	5455	5711
	25	5342	5651	5427	5523	5569
	30	5407	5380	5701	5305	5671
	35	5645	5676	5661	5487	5353
	40	5499	5262	5397	5500	5488
	45	5660	5609	5429	5683	5506
	50	5512	5497	5435	5401	5423
	55	5332	5575	5475	5629	5698
	60	5349	5595	5363	5367	5702
	65	5371	5489	5346	5281	5400
	70	5520	5540	5467	5443	5516
	75	5670	5286	5588	5685	5703
	80	5422	5518	5521	5684	5288
	85	5472	5691	5433	5359	5546
	90	5526	5567	5280	5620	5606
	95	5333	5652	5356	5717	5682

Trial #	Frequency List (MHz)	0	1	2	3	4
30	0	5576	5552	5400	5560	5351
	5	5451	5252	5479	5718	5537
	10	5473	5673	5669	5534	5346
	15	5639	5448	5499	5357	5489
	20	5603	5706	5564	5306	5284
	25	5343	5660	5545	5280	5461
	30	5565	5458	5364	5595	5475
	35	5503	5335	5388	5613	5323
	40	5590	5500	5570	5291	5264
	45	5566	5666	5425	5480	5558
	50	5444	5547	5485	5605	5259
	55	5344	5623	5355	5529	5546
	60	5507	5319	5265	5656	5421
	65	5406	5665	5651	5407	5708
	70	5381	5624	5450	5386	5620
	75	5389	5443	5402	5315	5544
	80	5267	5365	5320	5484	5586
	85	5515	5716	5587	5532	5408
	90	5301	5410	5697	5257	5495
	95	5366	5637	5632	5384	5661

Parameter Data sheet for Radar Type 6

5310MHz (11n-40)

Trial #	Frequency List (MHz)	0	1	2	3	4
1	0	5680	5685	5546	5597	5621
	5	5698	5344	5258	5616	5484
	10	5711	5336	5393	5575	5590
	15	5353	5721	5673	5290	5522
	20	5494	5288	5366	5409	5586
	25	5511	5421	5626	5368	5445
	30	5570	5491	5716	5418	5523
	35	5599	5643	5431	5448	5703
	40	5598	5341	5718	5328	5338
	45	5554	5348	5475	5389	5641
	50	5391	5638	5639	5533	5269
	55	5430	5438	5285	5437	5648
	60	5357	5595	5386	5488	5499
	65	5407	5317	5479	5425	5630
	70	5312	5271	5500	5392	5385
	75	5518	5498	5304	5323	5704
	80	5529	5429	5675	5424	5707
	85	5601	5419	5455	5493	5261
	90	5402	5471	5582	5662	5661
	95	5378	5311	5618	5283	5699

Trial #	Frequency List (MHz)	0	1	2	3	4
2	0	5460	5546	5482	5661	5366
	5	5265	5269	5333	5304	5691
	10	5545	5600	5434	5673	5611
	15	5344	5373	5439	5621	5530
	20	5660	5704	5455	5382	5474
	25	5363	5624	5255	5402	5487
	30	5459	5448	5359	5667	5343
	35	5263	5259	5702	5698	5714
	40	5437	5424	5656	5568	5613
	45	5267	5534	5431	5436	5442
	50	5528	5339	5690	5622	5567
	55	5374	5626	5627	5467	5328
	60	5724	5551	5433	5325	5353
	65	5615	5428	5364	5462	5270
	70	5590	5486	5395	5709	5494
	75	5457	5651	5443	5641	5307
	80	5306	5539	5456	5491	5295
	85	5501	5614	5335	5321	5497
	90	5522	5355	5385	5558	5638
	95	5258	5316	5722	5571	5597

Trial #	Frequency List (MHz)	0	1	2	3	4
3	0	5715	5310	5418	5347	5683
	5	5307	5291	5408	5467	5520
	10	5476	5389	5475	5393	5632
	15	5432	5500	5542	5666	5674
	20	5538	5254	5267	5447	5355
	25	5265	5312	5352	5456	5436
	30	5529	5348	5405	5574	5344
	35	5541	5305	5595	5376	5628
	40	5276	5507	5497	5711	5707
	45	5514	5494	5495	5318	5521
	50	5515	5266	5293	5696	5339
	55	5668	5342	5286	5299	5378
	60	5716	5331	5723	5341	5377
	65	5400	5672	5637	5296	5512
	70	5472	5558	5470	5416	5620
	75	5563	5687	5288	5552	5712
	80	5655	5455	5498	5431	5358
	85	5652	5284	5689	5324	5603
	90	5680	5626	5673	5465	5367
	95	5345	5371	5706	5469	5479

Trial #	Frequency List (MHz)	0	1	2	3	4
4	0	5495	5549	5354	5508	5428
	5	5446	5691	5483	5630	5252
	10	5407	5653	5613	5588	5520
	15	5627	5548	5711	5391	5449
	20	5420	5683	5536	5328	5628
	25	5639	5458	5560	5470	5571
	30	5334	5362	5314	5593	5361
	35	5444	5538	5529	5542	5687
	40	5590	5435	5476	5704	5503
	45	5397	5597	5552	5451	5680
	50	5317	5422	5591	5640	5527
	55	5622	5532	5580	5648	5410
	60	5406	5638	5342	5423	5436
	65	5504	5432	5574	5584	5555
	70	5498	5310	5349	5375	5492
	75	5355	5269	5713	5662	5493
	80	5344	5518	5626	5261	5309
	85	5289	5376	5403	5316	5679
	90	5402	5305	5426	5690	5367
	95	5592	5440	5497	5290	5488

Trial #	Frequency List (MHz)	0	1	2	3	4
5	0	5275	5313	5290	5669	5270
	5	5488	5713	5558	5696	5459
	10	5716	5442	5654	5308	5674
	15	5608	5279	5651	5281	5583
	20	5457	5489	5624	5625	5301
	25	5419	5588	5661	5664	5504
	30	5710	5698	5319	5529	5559
	35	5629	5662	5682	5553	5526
	40	5295	5373	5701	5432	5377
	45	5680	5513	5470	5273	5392
	50	5368	5511	5414	5487	5715
	55	5576	5722	5302	5619	5539
	60	5571	5365	5472	5288	5372
	65	5375	5336	5324	5278	5541
	70	5598	5634	5325	5334	5461
	75	5706	5401	5250	5490	5297
	80	5274	5508	5581	5492	5346
	85	5261	5433	5307	5501	5632
	90	5481	5601	5685	5436	5476
	95	5296	5265	5340	5695	5638

Trial #	Frequency List (MHz)	0	1	2	3	4
6	0	5433	5552	5701	5355	5490
	5	5530	5638	5633	5384	5288
	10	5647	5328	5695	5503	5696
	15	5309	5279	5704	5300	5465
	20	5655	5662	5617	5274	5307
	25	5440	5389	5293	5538	5277
	30	5587	5276	5519	5379	5625
	35	5720	5555	5457	5467	5365
	40	5378	5311	5481	5698	5264
	45	5357	5571	5557	5624	5568
	50	5419	5600	5712	5431	5428
	55	5437	5596	5590	5668	5261
	60	5310	5302	5298	5709	5566
	65	5321	5411	5546	5594	5350
	70	5527	5601	5483	5301	5333
	75	5351	5544	5706	5267	5575
	80	5644	5489	5541	5639	5275
	85	5367	5693	5597	5435	5421
	90	5646	5313	5470	5447	5493
	95	5536	5280	5319	5323	5361

Trial #	Frequency List (MHz)	0	1	2	3	4
7	0	5688	5316	5637	5516	5332
	5	5572	5660	5708	5547	5495
	10	5578	5592	5261	5601	5716
	15	5687	5436	5382	5274	5492
	20	5376	5724	5603	5706	5722
	25	5573	5292	5494	5319	5387
	30	5671	5674	5289	5336	5351
	35	5610	5381	5679	5461	5624
	40	5695	5668	5337	5371	5629
	45	5622	5403	5269	5470	5689
	50	5438	5278	5616	5484	5530
	55	5415	5561	5322	5426	5255
	60	5609	5599	5655	5389	5270
	65	5350	5378	5458	5519	5604
	70	5277	5252	5302	5471	5590
	75	5420	5311	5264	5329	5486
	80	5542	5330	5313	5465	5548
	85	5619	5407	5510	5591	5633
	90	5676	5559	5293	5589	5482
	95	5575	5669	5696	5360	5254

Trial #	Frequency List (MHz)	0	1	2	3	4
8	0	5468	5555	5573	5677	5552
	5	5711	5585	5308	5710	5702
	10	5412	5381	5302	5321	5262
	15	5300	5563	5485	5319	5684
	20	5384	5415	5544	5698	5695
	25	5461	5716	5320	5598	5606
	30	5458	5462	5665	5602	5445
	35	5397	5428	5427	5622	5288
	40	5392	5615	5641	5662	5389
	45	5314	5500	5317	5454	5590
	50	5663	5509	5279	5521	5400
	55	5261	5697	5707	5341	5720
	60	5612	5435	5451	5591	5297
	65	5538	5522	5694	5386	5588
	70	5281	5639	5596	5704	5656
	75	5253	5686	5649	5258	5668
	80	5296	5530	5567	5553	5542
	85	5531	5390	5505	5430	5440
	90	5439	5501	5325	5441	5718
	95	5527	5646	5345	5655	5529

Trial #	Frequency List (MHz)	0	1	2	3	4
9	0	5723	5319	5509	5363	5394
	5	5278	5607	5383	5301	5531
	10	5343	5645	5516	5283	5388
	15	5690	5491	5364	5498	5392
	20	5484	5485	5312	5668	5349
	25	5568	5426	5702	5640	5500
	30	5351	5622	5342	5597	5692
	35	5567	5615	5418	5538	5306
	40	5454	5724	5600	5629	5311
	45	5429	5297	5537	5648	5716
	50	5299	5630	5621	5572	5489
	55	5559	5544	5420	5295	5435
	60	5431	5406	5483	5281	5717
	65	5370	5348	5644	5413	5643
	70	5422	5551	5442	5285	5582
	75	5707	5408	5618	5711	5304
	80	5649	5451	5543	5592	5455
	85	5273	5445	5373	5353	5298
	90	5569	5637	5666	5331	5378
	95	5471	5352	5641	5701	5329

Trial #	Frequency List (MHz)	0	1	2	3	4
10	0	5406	5558	5445	5427	5614
	5	5320	5532	5458	5464	5263
	10	5652	5434	5384	5711	5304
	15	5476	5342	5594	5312	5690
	20	5303	5650	5523	5641	5615
	25	5517	5629	5331	5577	5542
	30	5337	5579	5460	5371	5415
	35	5609	5706	5311	5691	5695
	40	5293	5332	5441	5297	5308
	45	5358	5277	5620	5294	5661
	50	5506	5322	5623	5578	5382
	55	5488	5608	5724	5625	5250
	60	5377	5612	5446	5662	5677
	65	5649	5590	5592	5361	5630
	70	5443	5720	5357	5568	5257
	75	5583	5604	5587	5259	5447
	80	5703	5653	5659	5380	5468
	85	5348	5413	5317	5457	5356
	90	5412	5353	5461	5658	5281
	95	5313	5327	5516	5260	5300

Trial #	Frequency List (MHz)	0	1	2	3	4
11	0	5661	5322	5381	5588	5359
	5	5362	5554	5533	5627	5470
	10	5583	5320	5425	5431	5325
	15	5467	5372	5697	5357	5407
	20	5311	5341	5464	5393	5614
	25	5503	5369	5532	5611	5681
	30	5701	5536	5675	5620	5710
	35	5273	5582	5706	5607	5415
	40	5379	5537	5305	5665	5635
	45	5703	5289	5250	5451	5285
	50	5401	5674	5667	5335	5321
	55	5678	5340	5544	5348	5266
	60	5509	5572	5633	5541	5397
	65	5462	5713	5523	5429	5651
	70	5581	5559	5563	5459	5590
	75	5708	5480	5666	5385	5377
	80	5663	5629	5376	5606	5496
	85	5655	5521	5440	5349	5613
	90	5473	5336	5394	5700	5495
	95	5363	5595	5576	5487	5580

Trial #	Frequency List (MHz)	0	1	2	3	4
12	0	5441	5561	5317	5274	5676
	5	5501	5576	5608	5315	5299
	10	5514	5584	5563	5529	5346
	15	5555	5499	5325	5402	5599
	20	5319	5410	5405	5385	5587
	25	5294	5696	5560	5636	5645
	30	5723	5687	5493	5415	5297
	35	5433	5412	5413	5378	5619
	40	5620	5446	5595	5302	5594
	45	5615	5311	5250	5303	5338
	50	5577	5281	5406	5279	5509
	55	5632	5530	5266	5697	5395
	60	5301	5649	5438	5398	5579
	65	5638	5490	5336	5672	5605
	70	5326	5598	5637	5435	5430
	75	5535	5522	5428	5689	5257
	80	5641	5512	5374	5480	5251
	85	5568	5339	5604	5571	5450
	90	5363	5475	5686	5383	5495
	95	5582	5692	5391	5377	5466

Trial #	Frequency List (MHz)	0	1	2	3	4
13	0	5696	5325	5253	5435	5421
	5	5543	5501	5683	5478	5506
	10	5348	5373	5604	5724	5367
	15	5643	5626	5428	5350	5316
	20	5705	5576	5443	5474	5560
	25	5657	5645	5288	5265	5679
	30	5290	5450	5630	5546	5454
	35	5504	5271	5297	5534	5382
	40	5678	5255	5542	5396	5426
	45	5595	5394	5308	5356	5603
	50	5512	5278	5301	5467	5704
	55	5601	5697	5586	5720	5668
	60	5524	5466	5594	5270	5321
	65	5525	5364	5439	5372	5400
	70	5507	5670	5623	5438	5511
	75	5481	5300	5619	5304	5509
	80	5411	5422	5676	5329	5274
	85	5675	5629	5410	5399	5514
	90	5673	5376	5452	5320	5377
	95	5691	5331	5446	5362	5593

Trial #	Frequency List (MHz)	0	1	2	3	4
14	0	5476	5564	5664	5596	5263
	5	5585	5523	5283	5544	5713
	10	5279	5637	5645	5444	5388
	15	5256	5278	5434	5395	5508
	20	5384	5466	5533	5448	5497
	25	5394	5369	5429	5465	5407
	30	5273	5698	5451	5593	5692
	35	5542	5450	5545	5696	5286
	40	5668	5685	5393	5355	5575
	45	5477	5366	5409	5490	5291
	50	5454	5352	5556	5527	5313
	55	5540	5435	5379	5639	5653
	60	5631	5539	5577	5622	5471
	65	5662	5408	5714	5670	5310
	70	5364	5609	5538	5506	5487
	75	5440	5269	5642	5350	5651
	80	5424	5678	5268	5489	5271
	85	5629	5252	5362	5416	5307
	90	5455	5287	5493	5541	5458
	95	5354	5703	5348	5501	5443

Trial #	Frequency List (MHz)	0	1	2	3	4
15	0	5634	5328	5600	5282	5483
	5	5724	5448	5358	5707	5542
	10	5685	5426	5686	5639	5409
	15	5722	5308	5537	5440	5700
	20	5721	5336	5325	5555	5506
	25	5446	5597	5570	5272	5471
	30	5451	5364	5488	5472	5271
	35	5257	5338	5459	5535	5369
	40	5606	5450	5390	5284	5560
	45	5327	5462	5280	5642	5630
	50	5403	5645	5350	5392	5501
	55	5494	5528	5576	5610	5321
	60	5484	5514	5388	5337	5347
	65	5546	5562	5588	5436	5692
	70	5541	5355	5366	5399	5616
	75	5287	5493	5632	5441	5534
	80	5432	5552	5268	5590	5532
	85	5666	5422	5608	5691	5706
	90	5561	5519	5365	5556	5427
	95	5389	5300	5384	5385	5345

Trial #	Frequency List (MHz)	0	1	2	3	4
16	0	5414	5567	5536	5443	5325
	5	5291	5470	5433	5395	5274
	10	5519	5312	5252	5359	5430
	15	5335	5435	5640	5485	5514
	20	5254	5405	5363	5547	5479
	25	5699	5298	5674	5306	5513
	30	5340	5321	5703	5624	5566
	35	5396	5399	5609	5378	5373
	40	5374	5549	5544	5690	5387
	45	5591	5535	5643	5385	5515
	50	5642	5518	5331	5454	5259
	55	5551	5336	5689	5448	5718
	60	5484	5339	5486	5526	5716
	65	5371	5460	5686	5286	5383
	70	5281	5357	5391	5605	5678
	75	5679	5342	5358	5585	5407
	80	5539	5613	5693	5644	5715
	85	5596	5615	5265	5310	5508
	90	5308	5511	5304	5349	5382
	95	5611	5411	5287	5574	5403

Trial #	Frequency List (MHz)	0	1	2	3	4
17	0	5669	5331	5472	5507	5545
	5	5333	5395	5508	5558	5481
	10	5450	5576	5293	5457	5451
	15	5423	5562	5268	5433	5706
	20	5640	5571	5304	5636	5452
	25	5490	5625	5528	5303	5340
	30	5555	5704	5278	5443	5398
	35	5289	5438	5502	5531	5384
	40	5310	5632	5482	5455	5520
	45	5418	5251	5471	5432	5394
	50	5505	5445	5374	5658	5402
	55	5689	5468	5651	5645	5672
	60	5406	5412	5710	5322	5588
	65	5724	5677	5664	5644	5318
	70	5317	5554	5527	5682	5594
	75	5470	5657	5496	5285	5678
	80	5262	5602	5435	5350	5420
	85	5580	5511	5556	5709	5561
	90	5573	5359	5661	5458	5399
	95	5666	5492	5660	5553	5506

Trial #	Frequency List (MHz)	0	1	2	3	4
18	0	5449	5667	5408	5668	5387
	5	5375	5417	5583	5624	5688
	10	5381	5365	5334	5652	5472
	15	5511	5689	5371	5478	5423
	20	5648	5640	5720	5628	5425
	25	5378	5574	5256	5407	5374
	30	5694	5690	5710	5561	5550
	35	5584	5577	5581	5298	5306
	40	5715	5323	5598	5352	5398
	45	5431	5404	5524	5319	5683
	50	5556	5534	5672	5602	5590
	55	5356	5623	5508	5426	5597
	60	5341	5416	5477	5498	5613
	65	5659	5358	5519	5650	5647
	70	5280	5294	5276	5253	5575
	75	5722	5292	5277	5363	5637
	80	5322	5338	5289	5612	5448
	85	5465	5329	5432	5251	5579
	90	5296	5543	5567	5513	5721
	95	5476	5558	5435	5609	5275

Trial #	Frequency List (MHz)	0	1	2	3	4
19	0	5607	5431	5344	5354	5514
	5	5342	5658	5312	5517	5690
	10	5629	5375	5372	5493	5502
	15	5341	5377	5523	5615	5656
	20	5331	5283	5717	5398	5644
	25	5426	5362	5511	5408	5261
	30	5579	5667	5301	5324	5307
	35	5716	5672	5569	5459	5687
	40	5463	5420	5363	5475	5281
	45	5378	5462	5577	5584	5524
	50	5384	5623	5495	5449	5303
	55	5310	5338	5705	5397	5251
	60	5506	5458	5309	5421	5395
	65	5436	5608	5394	5630	5314
	70	5653	5443	5258	5272	5604
	75	5270	5710	5670	5396	5556
	80	5499	5402	5533	5516	5634
	85	5606	5468	5707	5413	5419
	90	5252	5416	5682	5330	5328
	95	5530	5460	5456	5414	5712

Trial #	Frequency List (MHz)	0	1	2	3	4
20	0	5387	5670	5280	5515	5449
	5	5556	5364	5258	5475	5724
	10	5621	5418	5513	5567	5514
	15	5590	5371	5480	5568	5332
	20	5400	5699	5709	5532	5375
	25	5565	5712	5442	5303	5468
	30	5624	5516	5476	5602	5283
	35	5385	5462	5612	5698	5302
	40	5503	5674	5603	5472	5685
	45	5358	5597	5520	5630	5471
	50	5560	5658	5696	5393	5491
	55	5642	5528	5524	5271	5671
	60	5403	5616	5722	5341	5637
	65	5557	5333	5365	5681	5456
	70	5719	5275	5453	5721	5669
	75	5267	5315	5539	5634	5654
	80	5415	5314	5680	5489	5631
	85	5716	5545	5431	5424	5281
	90	5470	5253	5450	5581	5688
	95	5547	5356	5541	5451	5340

Trial #	Frequency List (MHz)	0	1	2	3	4
21	0	5642	5434	5691	5676	5669
	5	5598	5289	5333	5638	5456
	10	5455	5304	5554	5287	5535
	15	5678	5498	5583	5516	5524
	20	5575	5566	5640	5323	5344
	25	5702	5293	5341	5476	5442
	30	5454	5581	5256	5250	5325
	35	5422	5258	5387	5612	5616
	40	5586	5271	5469	5517	5338
	45	5680	5481	5683	5261	5276
	50	5709	5423	5519	5715	5582
	55	5596	5718	5343	5717	5412
	60	5361	5348	5448	5645	5460
	65	5506	5369	5672	5259	5684
	70	5705	5375	5302	5600	5628
	75	5711	5435	5585	5615	5431
	80	5525	5570	5649	5432	5619
	85	5491	5721	5424	5501	5270
	90	5694	5301	5470	5322	5564
	95	5411	5349	5275	5443	5285

Trial #	Frequency List (MHz)	0	1	2	3	4
22	0	5422	5673	5627	5362	5511
	5	5640	5311	5408	5704	5285
	10	5386	5568	5595	5385	5556
	15	5291	5625	5686	5561	5716
	20	5583	5257	5678	5315	5317
	25	5554	5496	5445	5510	5484
	30	5343	5538	5374	5402	5620
	35	5567	5529	5540	5526	5552
	40	5669	5550	5466	5446	5318
	45	5288	5539	5261	5623	5530
	50	5437	5512	5342	5659	5295
	55	5336	5688	5541	5293	5377
	60	5471	5330	5661	5455	5405
	65	5407	5368	5537	5281	5313
	70	5378	5576	5587	5555	5253
	75	5596	5683	5351	5436	5712
	80	5724	5522	5454	5711	5589
	85	5475	5274	5468	5700	5713
	90	5352	5334	5509	5722	5254
	95	5546	5689	5380	5444	5310

Trial #	Frequency List (MHz)	0	1	2	3	4
23	0	5677	5437	5563	5523	5256
	5	5304	5711	5386	5392	5492
	10	5317	5357	5636	5580	5577
	15	5282	5277	5314	5606	5433
	20	5494	5326	5619	5404	5290
	25	5574	5503	5699	5549	5544
	30	5526	5329	5495	5589	5651
	35	5440	5700	5658	5325	5693
	40	5391	5374	5488	5276	5560
	45	5278	5676	5371	5597	5692
	50	5413	5406	5613	5336	5601
	55	5640	5506	5483	5504	5359
	60	5659	5670	5691	5335	5684
	65	5297	5484	5344	5714	5638
	70	5718	5450	5299	5478	5378
	75	5552	5546	5675	5460	5648
	80	5607	5600	5300	5622	5444
	85	5522	5643	5514	5428	5554
	90	5429	5288	5706	5272	5612
	95	5443	5695	5521	5590	5620

Trial #	Frequency List (MHz)	0	1	2	3	4
24	0	5360	5676	5499	5587	5573
	5	5346	5258	5461	5555	5699
	10	5626	5621	5677	5300	5598
	15	5370	5404	5320	5651	5722
	20	5502	5492	5560	5396	5263
	25	5365	5355	5330	5275	5578
	30	5665	5693	5452	5329	5328
	35	5638	5267	5274	5468	5451
	40	5705	5457	5426	5516	5557
	45	5682	5656	5454	5558	5270
	50	5678	5282	5314	5387	5690
	55	5366	5450	5671	5458	5716
	60	5653	5533	5324	5381	5280
	65	5695	5697	5685	5353	5380
	70	5449	5433	5521	5522	5285
	75	5481	5702	5528	5505	5424
	80	5698	5442	5712	5283	5388
	85	5289	5363	5639	5425	5485
	90	5477	5523	5422	5480	5295
	95	5486	5291	5334	5306	5494

Trial #	Frequency List (MHz)	0	1	2	3	4
25	0	5615	5440	5435	5273	5318
	5	5388	5658	5536	5718	5528
	10	5557	5410	5495	5619	5458
	15	5434	5423	5599	5439	5510
	20	5561	5501	5485	5711	5253
	25	5304	5533	5379	5612	5707
	30	5582	5312	5544	5577	5406
	35	5462	5489	5621	5365	5540
	40	5364	5659	5554	5611	5636
	45	5537	5616	5323	5565	5633
	50	5490	5438	5664	5297	5384
	55	5412	5431	5472	5504	5453
	60	5546	5700	5348	5521	5265
	65	5508	5302	5319	5281	5325
	70	5324	5691	5271	5484	5551
	75	5464	5393	5343	5488	5539
	80	5392	5296	5644	5523	5519
	85	5359	5328	5327	5715	5387
	90	5543	5306	5456	5340	5376
	95	5564	5254	5631	5558	5416

Trial #	Frequency List (MHz)	0	1	2	3	4
26	0	5395	5679	5371	5434	5635
	5	5430	5680	5611	5309	5260
	10	5488	5296	5284	5690	5640
	15	5546	5561	5526	5644	5631
	20	5421	5252	5539	5477	5684
	25	5519	5261	5483	5646	5274
	30	5568	5269	5662	5254	5656
	35	5545	5553	5285	5299	5279
	40	5480	5720	5424	5551	5443
	45	5616	5620	5674	5376	5355
	50	5412	5666	5489	5490	5487
	55	5716	5572	5366	5621	5669
	60	5475	5485	5711	5645	5277
	65	5347	5686	5709	5251	5491
	70	5595	5602	5288	5354	5584
	75	5400	5423	5362	5463	5520
	80	5406	5425	5586	5516	5651
	85	5328	5266	5500	5432	5255
	90	5316	5504	5346	5636	5673
	95	5271	5639	5411	5451	5628

Trial #	Frequency List (MHz)	0	1	2	3	4
27	0	5650	5443	5307	5595	5380
	5	5569	5605	5686	5472	5467
	10	5322	5560	5325	5313	5661
	15	5537	5688	5629	5689	5348
	20	5429	5321	5480	5566	5657
	25	5407	5483	5464	5587	5680
	30	5413	5457	5701	5402	5503
	35	5476	5644	5653	5549	5290
	40	5319	5328	5618	5664	5548
	45	5372	5596	5703	5635	5717
	50	5288	5367	5540	5579	5310
	55	5563	5663	5320	5336	5488
	60	5446	5614	5401	5687	5584
	65	5270	5632	5435	5675	5391
	70	5323	5487	5405	5340	5627
	75	5359	5382	5709	5583	5299
	80	5501	5421	5516	5681	5684
	85	5649	5513	5371	5706	5463
	90	5527	5695	5439	5564	5324
	95	5311	5352	5518	5685	5385

Trial #	Frequency List (MHz)	0	1	2	3	4
28	0	5333	5682	5718	5281	5697
	5	5611	5627	5286	5635	5296
	10	5253	5349	5463	5508	5625
	15	5340	5257	5637	5540	5437
	20	5487	5421	5558	5630	5673
	25	5432	5667	5313	5617	5455
	30	5346	5658	5655	5674	5251
	35	5260	5449	5702	5679	5633
	40	5411	5556	5429	5545	5576
	45	5311	5693	5482	5507	5639
	50	5543	5591	5668	5511	5376
	55	5274	5526	5307	5320	5268
	60	5566	5632	5416	5571	5578
	65	5258	5624	5330	5533	5282
	70	5586	5529	5326	5687	5476
	75	5335	5341	5678	5606	5345
	80	5462	5373	5334	5510	5609
	85	5522	5523	5719	5563	5490
	90	5715	5723	5303	5319	5402
	95	5321	5607	5312	5592	5646

Trial #	Frequency List (MHz)	0	1	2	3	4
29	0	5588	5446	5654	5442	5653
	5	5552	5361	5323	5503	5562
	10	5613	5504	5703	5713	5467
	15	5263	5682	5257	5348	5556
	20	5459	5647	5603	5561	5284
	25	5298	5417	5651	5497	5332
	30	5615	5357	5429	5494	5390
	35	5351	5720	5380	5593	5472
	40	5572	5639	5608	5394	5276
	45	5438	5418	5719	5642	5282
	50	5334	5354	5564	5619	5291
	55	5397	5256	5577	5723	5621
	60	5573	5366	5365	5389	5698
	65	5312	5690	5325	5311	5300
	70	5550	5251	5488	5463	5450
	75	5718	5537	5410	5286	5609
	80	5364	5486	5436	5528	5444
	85	5342	5641	5461	5660	5428
	90	5419	5376	5591	5580	5669
	95	5695	5369	5600	5275	5416

Trial #	Frequency List (MHz)	0	1	2	3	4
30	0	5368	5685	5590	5603	5284
	5	5695	5574	5436	5389	5710
	10	5493	5402	5545	5423	5724
	15	5326	5497	5366	5252	5449
	20	5356	5722	5400	5639	5576
	25	5708	5501	5521	5636	5696
	30	5572	5475	5581	5314	5529
	35	5539	5516	5630	5604	5311
	40	5674	5432	5337	5537	5439
	45	5477	5712	5491	5659	5294
	50	5420	5693	5468	5632	5298
	55	5277	5657	5334	5323	5262
	60	5526	5421	5522	5555	5320
	65	5567	5282	5619	5305	5575
	70	5444	5667	5295	5395	5315
	75	5649	5287	5259	5519	5371
	80	5534	5541	5702	5652	5499
	85	5460	5407	5481	5512	5681
	90	5546	5531	5396	5495	5261
	95	5540	5331	5467	5694	5542

APPENDIX 2: Test instruments

EMI Test Equipment

Control No.	Instrument	Manufacturer	Model No	Serial No	Test Item	Calibration Date * Interval(month)
MOS-19	Thermo-Hygrometer	Custom	CTH-201	0001	DFS	2016/12/13 * 12
MSA-10	Spectrum Analyzer	Agilent	E4448A	MY46180655	DFS	2016/08/17 * 12
MSG-17 *1)	Signal Generator	KEYSIGHT	N5182B	MY56200024	DFS	2016/11/04 * 12
COTS-MDFS-03	Signal Studio for DFS Radar Profiles	KEYSIGHT	N7607B	-	DFS	-
MCC-173	Microwave Cable	Junkosha	MWX221	1409S496	DFS	2017/03/13 * 12
MCC-174	Microwave Cable	Junkosha	MWX221	1409S497	DFS	2017/03/13 * 12
MCC-190	Microwave Cable	Junkosha	MWX-221-02000DMSDMS	1507S109	DFS	Pre Check
MCC-192	Microwave Cable	Junkosha	MWX-221-02000DMSDMS	1507S111	DFS	Pre Check
MPD-03	Power Divider DC-12.4GHz	SUHNER	4901.19.A	-	DFS	2017/05/30 * 12
MPD-04	Power Divider DC-12.4GHz	SUHNER	4901.19.A	-	DFS	2017/05/30 * 12
MPSC-04	Power Splitters/Combiners	Mini-Circuit	ZFSC-2-10G	0326	DFS	2016/09/27 * 12
MAT-57	Attenuator(10dB)	Suhner	6810.19.A	-	DFS	2016/12/15 * 12
MAT-59	Attenuator(20dB)	Suhner	6820.19.A	-	DFS	Pre Check
MAT-60	Attenuator(20dB)	Suhner	6820.19.A	-	DFS	Pre Check
MAT-61	Attenuator(20dB)	Suhner	6820.19.A	-	DFS	Pre Check
MAT-90	Attenuator	Weinschel Associates	WA56-10	56100306	DFS	2017/06/12 * 12
MAT-92	Attenuator	Weinschel Associates	WA56-10	56100308	DFS	2017/06/12 * 12

***1) Signal generator is only used to generate radar test signal, and the wave form is confirmed with spectrum analyzer every time before the test.**

The expiration date of the calibration is the end of the expired month.
All equipment is calibrated with valid calibrations. Each measurement data is traceable to the national or international standards.
As for some calibrations performed after the tested dates, those test equipment have been controlled by means of an unbroken chains of calibrations.

DFS: Dynamic Frequency Selection