



427 West 12800 South
 Draper, UT 84020

Test Report Certification

FCC ID	SWX-UDW
ISED ID	6545A-UDW
Equipment Under Test	UDW
Test Report Serial Number	TR7074_02
Date of Tests	24, 25, 30, 31 March; 4, 11, 14, 25 April 2022
Report Issue Date	27 April 2022

Test Specification	Applicant
47 CFR FCC Part 15, Subpart E	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.



Certification of Engineering Report

This report has been prepared by Unified Compliance Laboratory (UCL) to document compliance of the device described below with the requirement of Federal Communication Commissions (FCC) Part 15, Subpart E. This report may be reproduced in full. Partial reproduction of this report may only be made with the written consent of the laboratory. The results in this report apply only to the sample tested.

Applicant	Ubiquiti Inc.
Manufacturer	Ubiquiti Inc.
Brand Name	UniFi
Model Number	UDW
FCC ID	SWX-UDW
ISED ID	6545A-UDW

On this 27th day of April 2022, I individually and for Unified Compliance Laboratory certify that the statements made in this engineering report are true, complete and correct to the best of my knowledge and are made in good faith.

Although NVLAP has accredited the Unified Compliance Laboratory testing facilities, this report must not be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. federal government.

Unified Compliance Laboratory



Written By: Kimberly Rodriguez



Reviewed By: Richard L. Winter

Revision History		
Revision	Description	Date
01	Original Report Release	27 April 2022
02	Removed Annex Reference in Section 5.7 and Added Type 5 Radar Parameters in Section 5.7.4	3 May 2022

Table of Contents

1	Client Information.....	5
1.1	Applicant.....	5
1.2	Manufacturer.....	5
2	Equipment Under Test (EUT).....	6
2.1	Identification of EUT	6
2.2	Description of EUT.....	6
2.3	EUT and Support Equipment.....	7
2.4	Interface Ports on EUT	7
2.5	Operating Environment.....	7
2.6	Operating Modes.....	8
2.7	EUT Exercise Software.....	8
2.8	Block Diagram of Test Configuration	8
2.9	Modification Incorporated/Special Accessories on EUT.....	8
2.10	Deviation, Opinions Additional Information or Interpretations from Test Standard.....	9
3	Test Specification, Method and Procedures.....	9
3.1	Test Specification.....	9
3.2	Methods & Procedures.....	9
3.3	FCC Part 15, Subpart E.....	9
3.4	Results.....	10
3.5	Test Location	10
4	Test Equipment	11
4.1	Conducted Emissions at Mains Ports.....	11
4.2	Direct Connect at the Antenna Port Tests	11
4.3	Radiated Emissions.....	12
4.4	DFS Testing	13
4.5	Equipment Calibration	14
4.6	Measurement Uncertainty.....	14
5	Test Results.....	14
5.1	§15.203 Antenna Requirements.....	14
5.2	Conducted Emissions at Mains Ports Data	15
5.3	§15.403(i) 26 dB Emissions Bandwidth	17
5.4	§15.407(a)(2) Maximum Average Output Power	19
5.5	§15.407(b) Spurious Emissions	21
5.6	§15.407(a) Maximum Power Spectral Density.....	26
5.7	DFS Requirement.....	30

1 Client Information

1.1 Applicant

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Mark Feil
Title	Compliance Manager

1.2 Manufacturer

Company	Ubiquiti Inc. 685 Third Avenue New York, NY 10017 U.S.A.
Contact Name	Mark Feil
Title	Compliance Manager

2 Equipment Under Test (EUT)

2.1 Identification of EUT

Brand Name	UniFi
Model Number	UDW
Serial Number	2F3AB46NCM9W
Dimensions (cm)	54.9 x 34.2 x 6.2

2.2 Description of EUT

The Dream Wall is a standalone UniFi OS gateway controller which facilitates high-density PoE switching with integrated (17) gigabit RJ45 ports [(12x PoE and 5x non-PoE)]. The Dream Wall also promotes high-speed WAN and LAN connection with its (2) 10 GbE SFP ports and dual-band WiFi radio. The 2x2 2.4GHz WiFi radio and 5GHz 4x4 radio delivers a 2.7 Gbps aggregate throughput rate. The Dream Wall is equipped with a built-in Bluetooth for set up, and its 1.3" LCM touchscreen concisely displays critical system and status insights needed for device monitoring and configuration.

Band	Modulation Bandwidth	Frequency (MHz)
UNII-2A	20 MHz	5260, 5265, 5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310, 5315, 5320
	40 MHz	5270, 5275, 5280, 5285, 5290, 5295, 5300, 5305, 5310
	80 MHz	5290
	160 MHz	5250
UNII-2C	20 MHz	5500, 5505, 5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710, 5715, 5720
	40 MHz	5510, 5515, 5520, 5525, 5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690, 5695, 5700, 5705, 5710
	80 MHz	5530, 5535, 5540, 5545, 5550, 5555, 5560, 5565, 5570, 5575, 5580, 5585, 5590, 5595, 5600, 5605*, 5610*, 5615*, 5620*, 5625*, 5630*, 5635*, 5640*, 5645*, 5650, 5655, 5660, 5665, 5670, 5675, 5680, 5685, 5690
	160 MHz	5570
* Frequency not applicable in Canada		

Table 1: UNII-2A and UNII-2C Channel Settings

This report covers the circuitry of the device subject to FCC Part 15, Subpart E. The circuitry of the device subject to FCC Part 15 Subpart B was found to be compliant and is covered under a separate Unified Compliance Laboratory test report.

2.3 EUT and Support Equipment

The EUT and support equipment used during the test are listed below.

Brand Name Model Number Serial Number	Description	Name of Interface Ports / Interface Cables
BN: UniFi MN: UDW (1) SN: 2F3AB46NCM9W	EUT	See Section 2.4
BN: Dell MN: XPS SN: N/A	Laptop Computer	Ethernet Non-Shielded Cat 5e
BN: HP MN: Spectre x360 SN: N/A	Laptop Computer	USB to Serial EUT Connection

Notes: (1) EUT

(2) Interface port connected to EUT (See Section 2.4)

The support equipment listed above was not modified in order to achieve compliance with this standard.

2.4 Interface Ports on EUT

Name of Ports	No. of Ports Fitted to EUT	Cable Description/Length
10 GbE SFP WAN	1	Copper Direct Attach Cable
10 GbE SFP LAN	1	Copper Direct Attach Cable
2.5 GbE RJ45 WAN	1	Un-shielded Cat 5e Cable
PoE, PoE+, PoE++	12 (4, 4, 4)	Un-shielded Cat 5e Cable
Gigabit Ethernet	5	Un-shielded Cat 5e Cable
AC Power	1	3 Conductor Cable NEMA 5- 15P (AC)

2.5 Operating Environment

Power Supply	120V AC
AC Mains Frequency	60 Hz
Temperature	21.7-23.3 °C
Humidity	15.3-20.8 %

Barometric Pressure	1012 mBar
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2.6 Operating Modes

The UDW was tested using test software in order to enable to constant transmission. The measurements within this report are corrected to reference a 100% duty cycle. All emission modes of 802.11 a/n/ac/ax were investigated. All measurements are reported with the worst-case mode (802.11ax) unless otherwise stated.

For Conducted emission the device was setup as in normal operation, with the PoE output ports loaded with resistive loads equivalent to 90% (320W) of its max PoE output.

2.7 EUT Exercise Software

EUT firmware version 1.0 was used to operate the transmitter using a constant transmit mode.

2.8 Block Diagram of Test Configuration

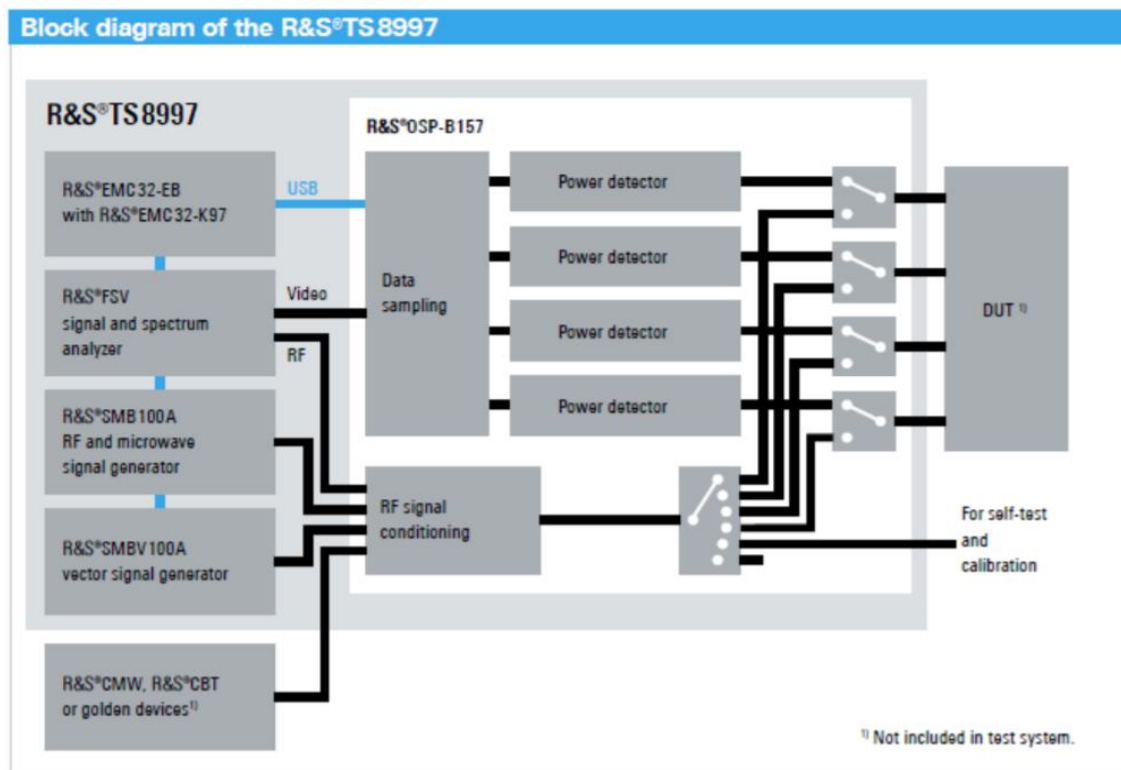


Diagram 1: Test Configuration Block Diagram

2.9 Modification Incorporated/Special Accessories on EUT

There were no modifications made to the EUT during testing to comply with the specification.

2.10 Deviation, Opinions Additional Information or Interpretations from Test Standard

There were no deviations, opinions, additional information or interpretations from the test specification.

3 Test Specification, Method and Procedures

3.1 Test Specification

Title	47 CFR FCC Part 15, Subpart E, Section 15.407 Limits and methods of measurement of radio interference characteristics of Unlicensed National Information Infrastructure Devices
Purpose of Test	The tests were performed to demonstrate initial compliance

3.2 Methods & Procedures

3.2.1 47 CFR FCC Part 15 Section 15.407

See test standard for details.

3.3 FCC Part 15, Subpart E

3.3.1 Summary of Tests

FCC Section	ISED Section	Environmental Phenomena	Frequency Range (MHZ)	Result
15.407(a)	N/A	Antenna requirements	Structural Requirement	Compliant
15.407(b)	RSS-Gen	Conducted Disturbance at Mains Port	0.15 to 30	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Bandwidth Requirement	5260 to 5570	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Output Power	5260 to 5570	Compliant
15.407(b)	RSS-247 §6.2.2, §6.2.3	Antenna Conducted Spurious Emissions	0.009 to 40000	Compliant
15.407(b)	RSS-247 §6.2.2, §6.2.3	Radiated Spurious Emissions	30 to 40000	Compliant
15.407(a)	RSS-247 §6.2.2, §6.2.3	Peak Power Spectral Density	5260 to 5570	Compliant
15.407(h)	RSS-247 §6.3	DFS Requirements	5260 to 5570	Compliant

The testing was performed according to the procedures in ANSI C63.10-2013, KDB 558074 and 47 CFR Part 15. Where applicable, KDB 662911 was followed to sum required measurements.

3.4 Results

In the configuration tested, the EUT complied with the requirements of the specification.

3.5 Test Location

Testing was performed at the Unified Compliance Laboratory 3-meter and 10-meter chamber located at 427 West 12800 South, Draper, UT 84020. Unified Compliance Laboratory is accredited by National Voluntary Laboratory Accreditation Program (NVLAP); NVLAP Code 600241-0 which is effective until 30 June 2022. This site has also been registered with Innovations, Science and Economic Development (ISED) department as was accepted under Appendix B, Phase 1 procedures of the APEC Tel MRA for Canadian recognition. ISED No.: 25346, effective until 30 June 2022. Unified Compliance Laboratory has been assigned Conformity Assessment Number US0223 by ISED.

4 Test Equipment

4.1 Conducted Emissions at Mains Ports

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	AFJ	FFT3010	UCL-6754	12/8/2021	12/8/2022
LISN	AFJ	LS16C/10	UCL-6749	12/6/2021	12/6/2023
Cat6 ISN	Teseq	ISN T8-Cat6	UCL-2971	1/30/2022	1/30/2023
ISN	Teseq	ISN T800	UCL-2974	6/4/2021	6/4/2022
LISN	Com-Power	LIN-120C	UCL-2612	1/6/2022	1/6/2023
AC Power Source	Laplace Instruments	AC1000A	UCL-2857	N/A	N/A
Test Software	UCL	Revision 1	UCL-3107	N/A	N/A

Table 2: List of equipment used for Conducted Emissions Testing at Mains Port

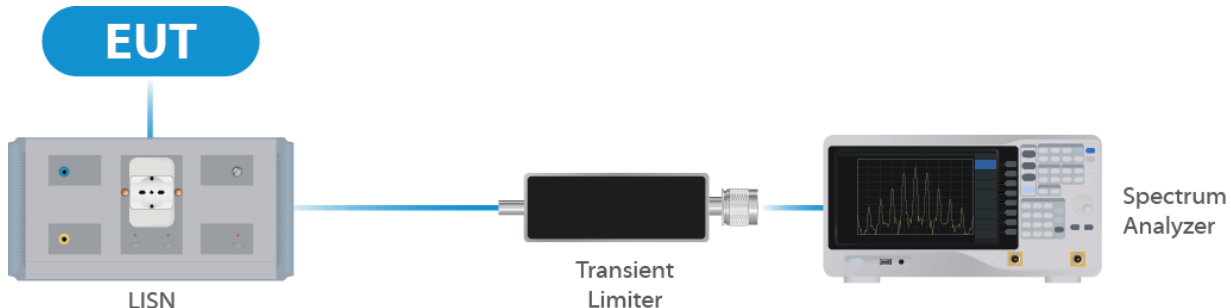


Figure 1: Conducted Emissions Test

4.2 Direct Connect at the Antenna Port Tests

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Spectrum Analyzer	R&S	FSV40	UCL-2861	1/03/2022	1/03/2023
Signal Generator	R&S	SMB100A	UCL-2864	N/A	N/A
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Switch Extension	R&S	OSP-B157WX	UCL-2867	1/03/2022	1/03/2023

Switch Extension	R&S	OSP-150W	UCL-2870	1/03/2022	1/03/2023
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Table 3: List of equipment used for Direct Connect at the Antenna Port

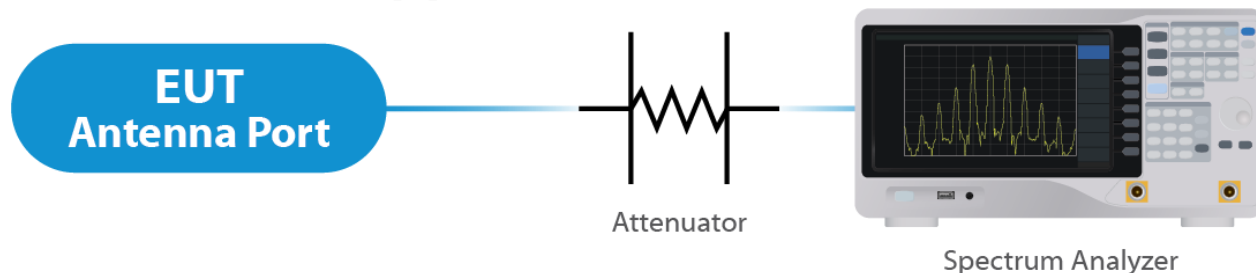


Figure 2: Direct Connect at the Antenna Port Test



Figure 3: Output Power Measurement

4.3 Radiated Emissions

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
EMI Receiver	Keysight	N9038A	UCL-2778	6/21/2021	6/21/2022
Pre-Amplifier 9 kHz – 1 GHz	Sonoma Instruments	310N	UCL-2889	10/7/2021	10/7/2022
Broadband Antenna	Scwarzbeck	VULB 9163	UCL-3062	8/28/2020	8/27/2022
Broadband Antenna	Scwarzbeck	VULB 9163	UCL-3071	5/19/2020	5/19/2022
Double Ridge Horn Antenna	Scwarzbeck	BBHA 9120D	UCL-3065	7/8/2021	7/8/2022
Log Periodic	Scwarzbeck	STLP 9129	UCL-3068	11/16/2020	11/16/2022
15 - 40 GHz Horn Antenna	Scwarzbeck	BBHA 9170	UCL-2487	5/21/2020	5/21/2022
1 – 18 GHz Amplifier	Com-Power	PAM 118A	UCL-3833	10/7/2021	10/7/2022
Test Software	UCL	Revision 1	UCL-3108	N/A	N/A

Table 4: List of equipment used for Radiated Emissions

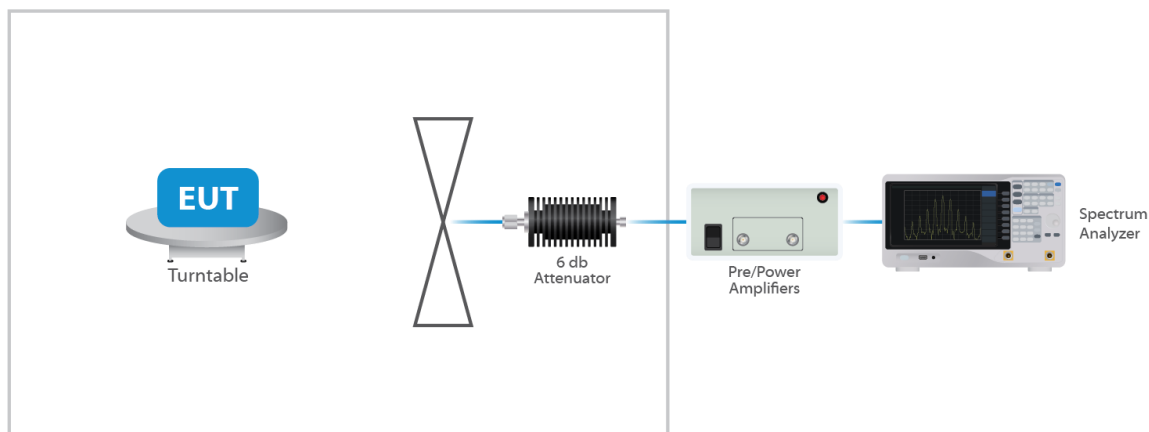


Figure 4: Radiated Emissions Test

4.4 DFS Testing

Type of Equipment	Manufacturer	Model Number	Asset Number	Date of Last Calibration	Due Date of Calibration
Vector Signal Generator	R&S	SMBV100A	UCL-2873	N/A	N/A
Spectrum Analyzer	Keysight	E4407B	UCL-2943	3/29/2021	3/29/2022

4.4.1 Master Test Set Up

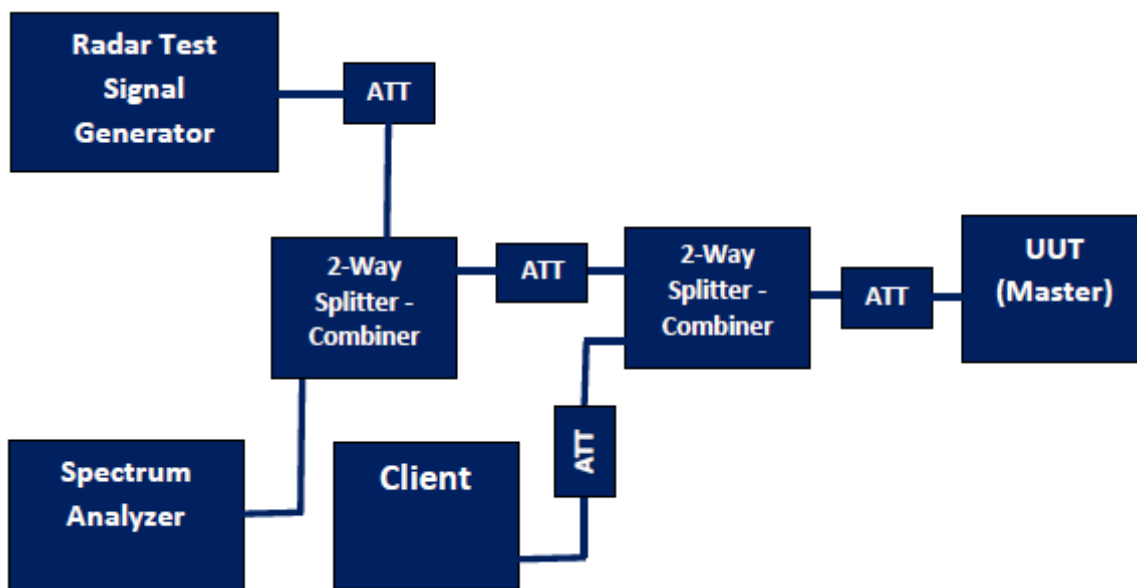


Figure 5: DFS Test Set Up - Master

4.5 Equipment Calibration

All applicable equipment is calibrated using either an independent calibration laboratory or Unified Compliance Laboratory personnel at intervals defined in ANSI C63.4:2014 following outlined calibration procedures. All measurement instrumentation is traceable to the National Institute of Standards and Technology (NIST). Supporting documentation relative to traceability is on file and is available for examination upon request.

4.6 Measurement Uncertainty

Test	Uncertainty (\pm dB)	Confidence (%)
Conducted Emissions	1.44	95
Radiated Emissions (9 kHz to 30 MHz)	2.50	95
Radiated Emissions (30 MHz to 1 GHz)	4.38	95
Radiated Emissions (1 GHz to 18 GHz)	4.37	95
Radiated Emissions (18 GHz to 40 GHz)	3.93	95
Direct Connect Tests	K Factor	Value
Emissions Bandwidth	2	2.0%
Output Power	2	1.0 dB
Peak Power Spectral Density	2	1.3 dB
Band Edge	2	0.8 dB
Transmitter Spurious Emissions	2	1.8 dB

5 Test Results

5.1 §15.203 Antenna Requirements

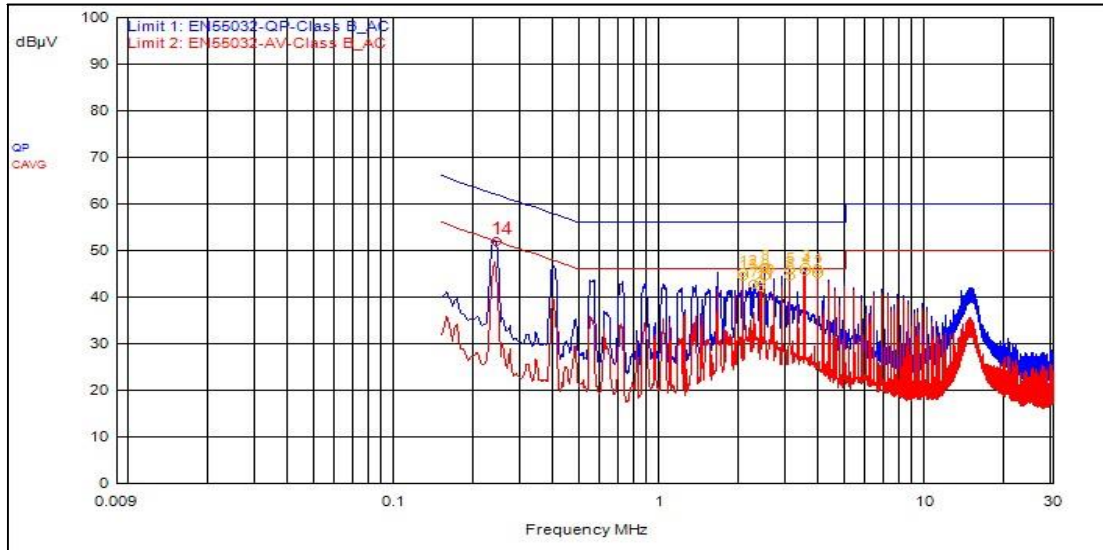
The EUT uses a integral antenna. The Maximum gain of the antenna is 6 dBi. This is an 802.11 device and utilizes CDD as described in KDB 662911 D01. The antenna is not user replaceable. For power measurements on IEEE 802.11 devices, Array Gain = 0 dB for NANT \leq 4; For PSD measurements when Nss=1: Array Gain = $10 \log(Nant/Nss)$ dB = 6.02dB

Results

The EUT complied with the specification

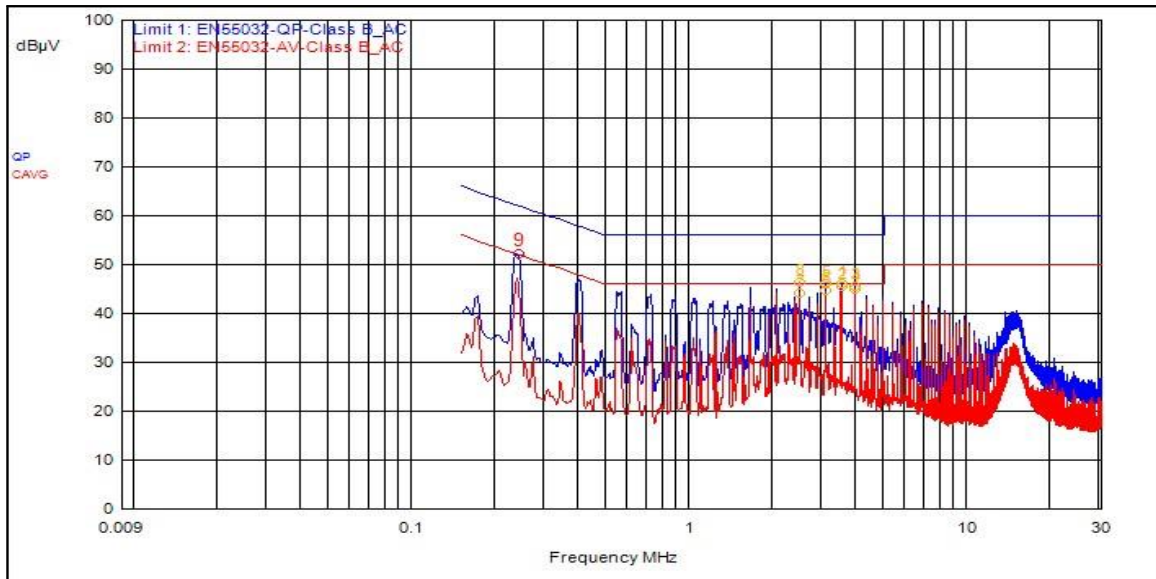
5.2 Conducted Emissions at Mains Ports Data

5.2.1 Line



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.
8	2.451MHz	9.5	0.8		QPeak	36.1	46.4	56.0	-9.6		
3	3.474MHz	9.5	0.7		QPeak	36.0	46.3	56.0	-9.7		
1	3.882MHz	9.5	0.7		QPeak	35.6	45.9	56.0	-10.1		
5	3.066MHz	9.5	0.8		QPeak	35.6	45.9	56.0	-10.1		
14	240,000kHz	9.5	0.0		QPeak	42.4	52.0	62.1	-10.1		
12	2.043MHz	9.5	0.6		QPeak	35.2	45.3	56.0	-10.7		
10	2.376MHz	9.5	0.7		QPeak	33.1	43.4	56.0	-12.6		
7	2.247MHz	9.5	0.7		QPeak	32.7	42.9	56.0	-13.1		
2	3.882MHz	9.5	0.7		C_AVG	34.8	45.1			46.0	-0.9
4	3.474MHz	9.5	0.7		C_AVG	35.3	45.5			46.0	-0.5
6	3.066MHz	9.5	0.8		C_AVG	34.1	44.4			46.0	-1.6
9	2.451MHz	9.5	0.8		C_AVG	34.1	44.4			46.0	-1.6
11	2.376MHz	9.5	0.7		C_AVG	31.9	42.2			46.0	-3.8
13	2.043MHz	9.5	0.6		C_AVG	34.2	44.4			46.0	-1.6

5.2.2 Neutral



ID	Frequency	Probe	Cable	Atten.	Detector	Meter Read	Meas Level	Limit 1	Limit 1 Dist.	Limit 2	Limit 2 Dist.
8	2.451MHz	9.5	0.8		QPeak	36.0	46.3	56.0	-9.7		
1	3.474MHz	9.6	0.7		QPeak	35.9	46.2	56.0	-9.8		
5	3.066MHz	9.6	0.8		QPeak	35.7	46.1	56.0	-9.9		
9	240,000kHz	9.5	0.0		QPeak	42.5	52.1	62.1	-10.0		
3	3.882MHz	9.6	0.7		QPeak	35.4	45.6	56.0	-10.4		
2	3.474MHz	9.6	0.7		C_AVG	35.3	45.6			46.0	-0.4
4	3.882MHz	9.6	0.7		C_AVG	34.7	45.0			46.0	-1.0
6	3.066MHz	9.6	0.8		C_AVG	34.3	44.6			46.0	-1.4
7	2.451MHz	9.5	0.8		C_AVG	33.9	44.2			46.0	-1.8

Result

The EUT complied with the specification limit.

5.3 §15.403(i) 26 dB Emissions Bandwidth

All chains were measured under the guidance of KDB 789033 Section II.C. and KDB 66291 D01. Please see associated annex for details on instrument settings.

5.3.1 UNII-2A

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5260	16.60	20.30
OFDM 20	5280	16.60	20.00
OFDM 20	5320	16.60	19.80
VHT 20	5260	17.70	20.20
VHT 20	5280	17.70	20.40
VHT 20	5320	17.60	20.20
VHT 40	5270	36.25	39.90
VHT 40	5310	36.00	40.05
VHT 80	5290	76.00	81.00
VHT 160	5250	158.00	162.00
HE 20	5260	19.00	22.10
HE 20	5280	19.00	21.50
HE 20	5320	19.00	22.60
HE 40	5270	37.50	39.60
HE 40	5310	37.75	39.60
HE 80	5290	77.00	81.00
HE 160	5250	155.00	164.00
HT 20	5260	17.70	20.30
HT 20	5280	17.60	20.60
HT 20	5320	17.70	20.30
HT 40	5270	36.00	40.05
HT 40	5310	36.25	39.90

5.3.2 UNII-2C

Bandwidth	Frequency (MHz)	99% Bandwidth (MHz)	Emissions 26 dB Bandwidth (MHz)
OFDM 20	5500	16.70	19.90
OFDM 20	5600	16.80	21.20
OFDM 20	5720	16.70	20.10
VHT 20	5500	17.80	20.40
VHT 20	5600	17.80	21.50
VHT 20	5720	17.80	20.70
VHT 40	5510	36.25	40.65
VHT 40	5590	36.25	41.25
VHT 40	5710	36.25	40.95
VHT 80	5530	76.00	80.50
VHT 80	5610	76.00	80.00
VHT 80	5690	76.00	91.00
VHT 160	5570	154.00	162.00
HE 20	5500	19.10	22.70
HE 20	5600	19.20	27.30
HE 20	5720	19.20	28.90
HE 40	5510	37.75	39.75
HE 40	5590	37.75	45.75
HE 40	5710	37.75	39.60
HE 80	5530	77.50	81.00
HE 80	5610	77.00	88.00
HE 80	5690	78.00	81.00
HE 160	5570	160.00	164.00
HT 20	5500	17.80	40.70
HT 20	5600	17.80	24.70
HT 20	5720	17.80	22.50
HT 40	5510	36.25	40.50
HT 40	5590	36.25	58.50
HT 40	5710	36.25	39.90

Result

The 26 dB bandwidths are reported for information purposes. Please see Annex for all bandwidth measurements.

5.4 §15.407(a)(2) Maximum Average Output Power

All chains were measured and summed under the guidance of KDB 789033 Section II. E.2. and KDB 66291 D01. Please see associated annex for details on instrument settings.

The maximum average RF conducted output power measured for this device was 23.98 dBm or 250.03 mW. The limit is 24 dBm or 250 mW when using antennas with 6 dBi or less gain. The antenna has a maximum gain of 6 dBi.

5.4.1 UNII-2A

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5260	Mcs0	17.5	23.61	8.66
OFDM 20	5280	Mcs0	17.5	23.86	8.62
OFDM 20	5320	Mcs0	17.5	23.89	9.05
HT 20	5260	Mcs0	17.5	23.52	8.39
HT 20	5280	Mcs0	17.5	23.71	8.63
HT 20	5320	Mcs0	17.5	23.76	8.50
HT 40	5270	Mcs0	17.5	23.76	6.28
HT 40	5310	Mcs0	17.5	23.86	6.39
VHT 20	5260	Mcs0	17.5	23.52	8.42
VHT 20	5280	Mcs0	17.5	23.71	8.60
VHT 20	5320	Mcs0	17.5	23.84	8.63
VHT 40	5270	Mcs0	17.5	23.83	6.64
VHT 40	5310	Mcs0	17.5	23.98	6.58
VHT 80	5290	Mcs0	17.5	23.76	2.95
VHT 160	5250	Mcs0	19.5	23.64	-0.11
HE 20	5260	Mcs0	18.5	23.82	8.02
HE 20	5280	Mcs0	18	23.53	7.56
HE 20	5320	Mcs0	18	23.58	7.76
HE 40	5270	Mcs0	18	23.46	5.58
HE 40	5310	Mcs0	18	23.62	5.67
HE 80	5290	Mcs0	18	23.53	2.38
HE 160	5250	Mcs0	18.5	23.85	0.52

5.4.2 UNII-2C

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5500	Mcs0	17.5	23.74	8.86
OFDM 20	5600	Mcs0	17.5	23.62	8.61
OFDM 20	5720	Mcs0	17.5	23.76	8.82
HT 20	5500	Mcs0	17.5	23.70	8.37
HT 20	5600	Mcs0	17.5	23.58	8.54
HT 20	5720	Mcs0	17.5	23.69	8.29
HT 40	5510	Mcs0	17.5	23.71	6.40
HT 40	5590	Mcs0	17.5	23.64	6.45
VHT 20	5710	Mcs0	17.5	23.71	6.33
VHT 20	5500	Mcs0	17.5	23.64	8.45
VHT 20	5600	Mcs0	17.5	23.56	8.46
VHT 40	5720	Mcs0	17.5	23.69	8.39
VHT 40	5510	Mcs0	17.5	23.59	6.36
VHT 80	5590	Mcs0	17.5	23.61	6.42
VHT 160	5710	Mcs0	17.5	23.75	6.32
HE 20	5530	Mcs0	17.5	23.61	3.34
HE 20	5610	Mcs0	17.5	23.60	3.09
HE 20	5690	Mcs0	17.5	23.66	2.78
HE 40	5570	Mcs0	19.5	23.53	0.37
HE 40	5500	Mcs0	18.5	23.85	8.77
HE 80	5600	Mcs0	18	23.40	8.61
HE 160	5720	Mcs0	18.5	23.93	8.73

Result

In the configuration tested, the maximum average RF output power was less than 1 watt; therefore, the EUT complied with the requirements of the specification.

5.5 §15.407(b) Spurious Emissions

5.5.1 Conducted Spurious Emissions

The frequency range from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental frequency was investigated to measure any antenna-conducted emissions. The graphs show the measurement data from spurious emissions noted across the frequency range when transmitting at the lowest frequency, middle frequency and upper frequency. Shown below are plots with the EUT turned to the upper and lower channels with the antenna gain of 6 dBi accounted for. These demonstrate compliance with the provisions of this section at the band edges.

The emissions must be below -27 dBm EIRP.

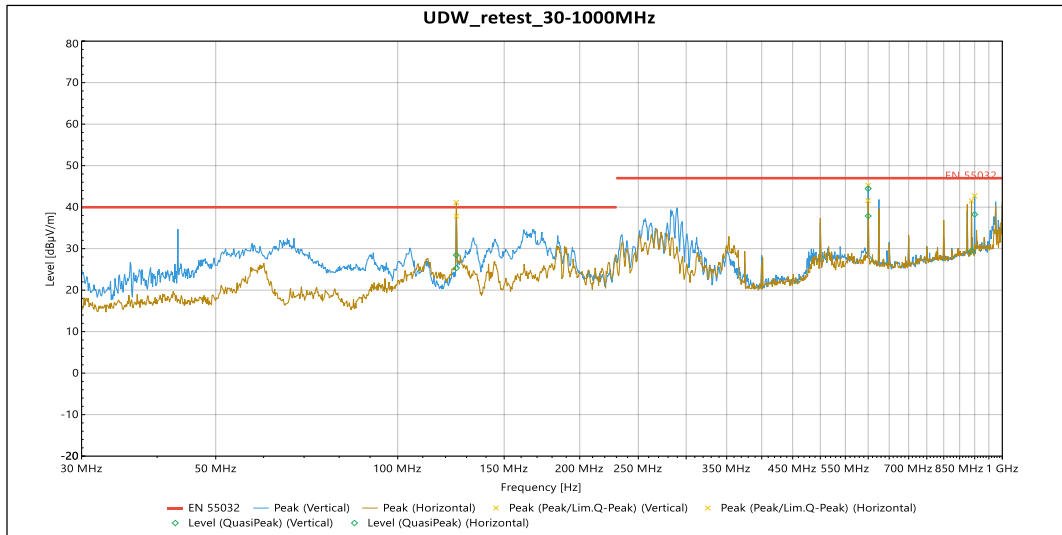
Result

Conducted spurious emissions were below -27 dBm; therefore, the EUT complies with the specification. See Annex for results.

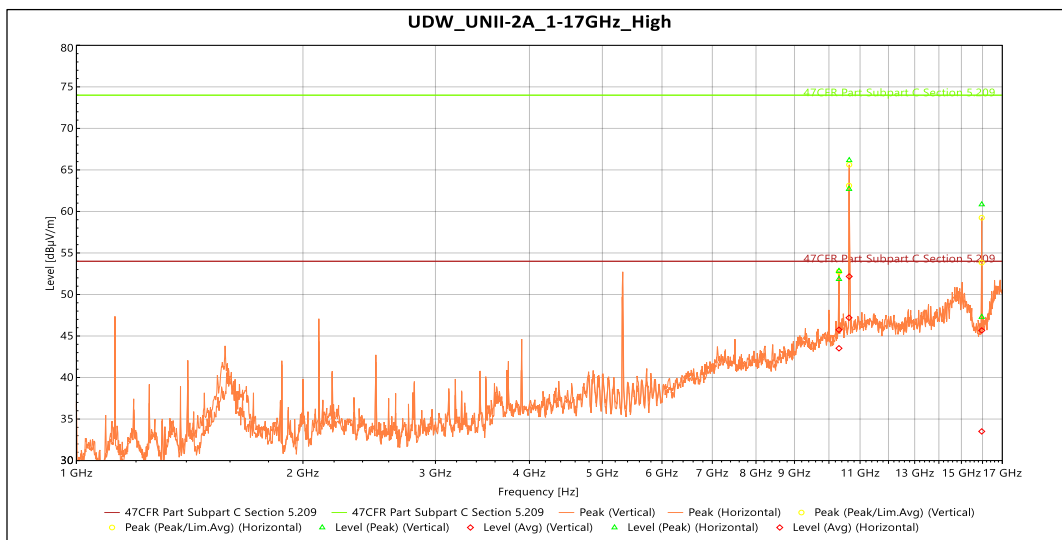
5.5.2 Radiated Spurious Emissions in the Restricted Bands of § 15.205

The frequency range from the lowest frequency generated or used in the device to the tenth harmonic of the highest fundamental emissions was investigated to measure any radiated emissions in the restricted bands. For frequencies above 18.0 GHz. The emissions in the restricted bans must meet the limits specified in § 15.209. Conducted measurement results are included in the Annex. Radiated data with the EUT transmitting into a load is included below. All emissions between the required frequencies were investigated, the following plots represent the worst case. The “fail” is the transmitted signal exceeding the spurious limit.

Correction Factor = Antenna Factor + Cable Loss - Pre-Amplifier Gain, and is added to the Receiver reading.

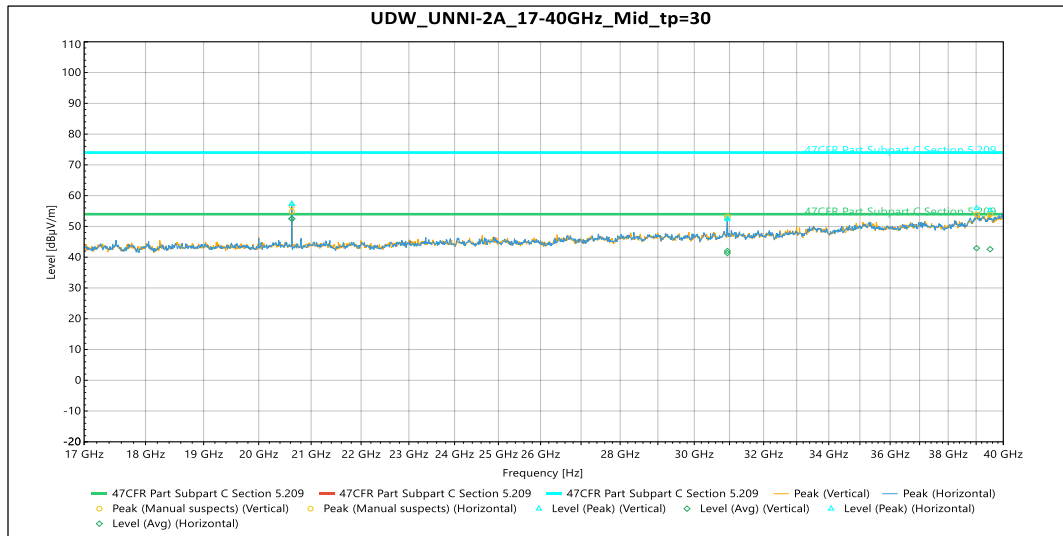
5.5.3 UNII-2A


Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
125 MHz	QP	28.455	40	-11.545	182	1.151	Vertical	-15.927
600 MHz	QP	44.461	47	-2.539	341	3.635	Vertical	-4.383
899.95 MHz	QP	38.246	47	-8.754	219	2.161	Vertical	-0.127
125.05 MHz	QP	25.335	40	-14.665	330	2.853	Horizontal	-15.931
600 MHz	QP	37.868	47	-9.132	77	1.331	Horizontal	-4.383
889.34 MHz	QP	29.449	47	-17.551	358	1.132	Horizontal	-0.575

Graph 1: Radiated Emissions within 30MHz - 1GHz


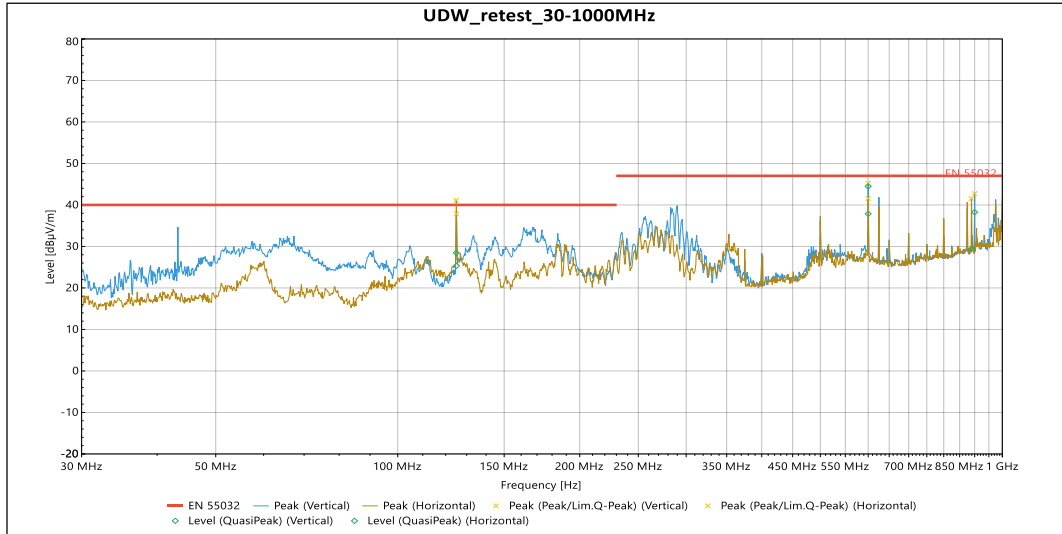
Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.313 GHz	Peak	51.85	74	-22.15	227	3.798	Vertical	0.873
10.635 GHz	Peak	62.697	74	-11.303	167	3.307	Vertical	2.24
15.962 GHz	Peak	47.292	74	-26.708	276	2.811	Vertical	1.989
10.313 GHz	AVG	43.52	54	-10.48	227	3.798	Vertical	0.873
10.635 GHz	AVG	47.198	54	-6.802	167	3.307	Vertical	2.24
15.962 GHz	AVG	33.512	54	-20.488	276	2.811	Vertical	1.989
10.313 GHz	Peak	52.817	74	-21.183	211	1.652	Horizontal	0.873
10.641 GHz	Peak	66.157	74	-7.843	180	2.15	Horizontal	2.213
15.963 GHz	Peak	60.839	74	-13.161	162	2.146	Horizontal	1.966
10.313 GHz	AVG	45.752	54	-8.248	211	1.652	Horizontal	0.873

Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.641 GHz	AVG	52.175	54	-1.825	180	2.15	Horizontal	2.213
15.963 GHz	AVG	45.668	54	-8.332	162	2.146	Horizontal	1.966

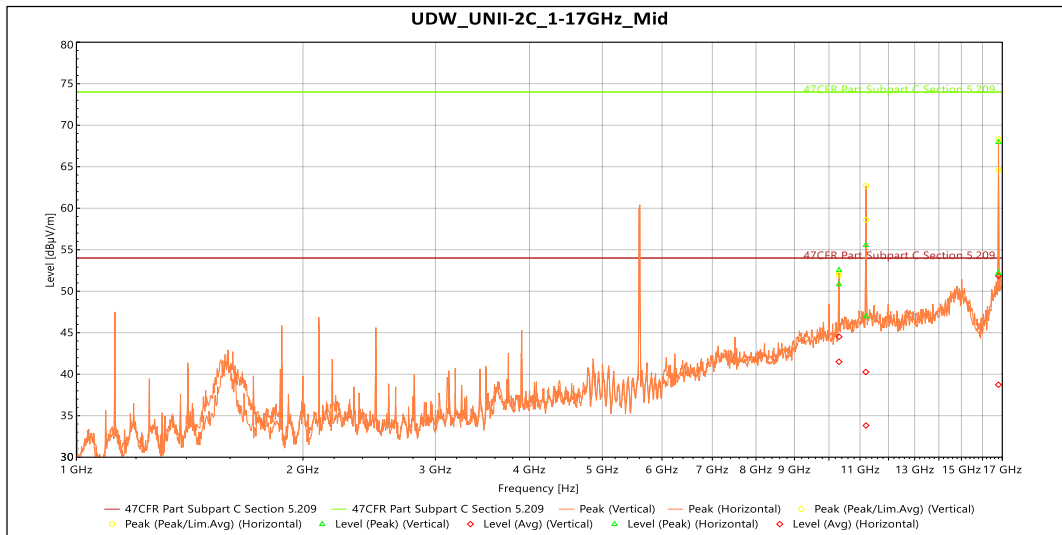
Graph 2: Radiated Emissions within 1-17GHz Transmitting on Highest Frequency


Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
20.626 GHz	Peak	57.336	74	-16.664	31	Vertical	-5.625
30.938 GHz	Peak	52.274	74	-21.726	23	Vertical	-0.69
39.512 GHz	Peak	55.215	74	-18.785	40	Vertical	3.421
20.626 GHz	AVG	52.469	54	-1.531	31	Vertical	-5.625
30.938 GHz	AVG	41.307	54	-12.693	23	Vertical	-0.69
39.512 GHz	AVG	42.598	54	-11.402	40	Vertical	3.421
20.626 GHz	Peak	57.307	74	-16.693	31	Horizontal	-5.625
30.939 GHz	Peak	52.652	74	-21.348	23	Horizontal	-0.682
39.017 GHz	Peak	55.923	74	-18.077	102	Horizontal	3.367
20.626 GHz	AVG	52.509	54	-1.491	31	Horizontal	-5.625
30.939 GHz	AVG	42.007	54	-11.993	23	Horizontal	-0.682
39.017 GHz	AVG	42.939	54	-11.061	102	Horizontal	3.367

Graph 3: Radiated Emissions within 17-40GHz Transmitting on Middle Frequency

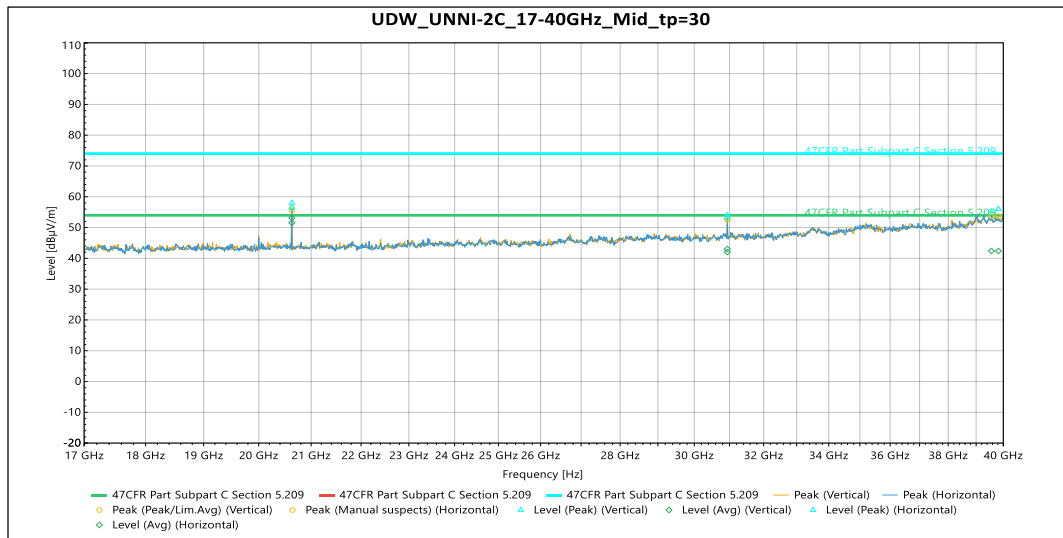
5.5.4 UNII-2C


Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin	Azimuth (°)	Height	Pol.	Correction (dB)
125 MHz	QP	28.455	40	-11.545	182	1.151	Vertical	-15.927
600 MHz	QP	44.461	47	-2.539	341	3.635	Vertical	-4.383
899.95 MHz	QP	38.246	47	-8.754	219	2.161	Vertical	-0.127
125.05 MHz	QP	25.335	40	-14.665	330	2.853	Horizontal	-15.931
600 MHz	QP	37.868	47	-9.132	77	1.331	Horizontal	-4.383
889.34 MHz	QP	29.449	47	-17.551	358	1.132	Horizontal	-0.575

Graph 4: Radiated Emissions within 30MHz - 1GHz


Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
10.313 GHz	Peak	52.535	74	-21.465	226	3.798	Vertical	0.873
11.196 GHz	Peak	55.549	74	-18.451	232	2.325	Vertical	1.701
16.802 GHz	Peak	67.95	74	-6.05	141	1.643	Vertical	8.827
10.313 GHz	AVG	44.508	54	-9.492	226	3.798	Vertical	0.873
11.196 GHz	AVG	40.269	54	-13.731	232	2.325	Vertical	1.701
16.802 GHz	AVG	51.852	54	-2.148	141	1.643	Vertical	8.827
10.313 GHz	Peak	50.827	74	-23.173	267	1.643	Horizontal	0.873

Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Height (m)	Pol.	Correction (dB)
11.203 GHz	Peak	46.97	74	-27.03	264	1.643	Horizontal	1.648
16.8 GHz	Peak	52.199	74	-21.801	116	4	Horizontal	8.862
10.313 GHz	AVG	41.504	54	-12.496	267	1.643	Horizontal	0.873
11.203 GHz	AVG	33.825	54	-20.175	264	1.643	Horizontal	1.648
16.8 GHz	AVG	38.728	54	-15.272	116	4	Horizontal	8.862

Graph 5: Radiated Emissions within 1-17GHz Transmitting on Middle Frequency


Frequency	SR #	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Azimuth (°)	Pol.	Correction (dB)
20.626 GHz	Peak	57.999	74	-16.001	31	Vertical	-5.625
30.938 GHz	Peak	54.074	74	-19.926	21	Vertical	-0.69
39.816 GHz	Peak	56.027	74	-17.973	200	Vertical	3.523
20.626 GHz	AVG	53.101	54	-0.899	31	Vertical	-5.625
30.938 GHz	AVG	43.047	54	-10.953	21	Vertical	-0.69
39.816 GHz	AVG	42.406	54	-11.594	200	Vertical	3.523
20.626 GHz	Peak	56.443	74	-17.557	35	Horizontal	-5.625
30.939 GHz	Peak	53.207	74	-20.793	23	Horizontal	-0.682
39.558 GHz	Peak	55.223	74	-18.777	35	Horizontal	3.353
20.626 GHz	AVG	51.567	54	-2.433	35	Horizontal	-5.625
30.939 GHz	AVG	42.019	54	-11.981	23	Horizontal	-0.682
39.558 GHz	AVG	42.411	54	-11.589	35	Horizontal	3.353

Graph 6: Radiated Emissions within 17-40GHz Transmitting on Middle Frequency

5.6 §15.407(a) Maximum Power Spectral Density

All chains were measured and summed under the guidance of KDB 789033 Section II. F. and KDB 66291 D01. Please see associated annex for details on instrument settings.

The maximum average power spectral density conducted from the intentional radiator of the antenna shall not be greater than 11 dBm in any 1 MHz band during any time interval of continuous transmission. Results of this testing are summarized. With a 6 dBi antenna, the conducted limit for power spectral density is 11 dBm. As per KDB 662911, When the EUT is using spatial-multiplexing in HT to HE modes, there is not additional array gain to accommodate. When the EUT uses Nss=1 data rates, the antenna gain is 6 dBi + Array gain of 6.02 dB which is a total of 12.02 dBi Results of this testing are summarized.

5.6.1 UNII-2A

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5260	Mcs0_Nss4	17.5	23.61	8.66
OFDM 20	5280	Mcs0_Nss4	17.5	23.86	8.62
OFDM 20	5320	Mcs0_Nss4	17.5	23.89	9.05
HT 20	5260	Mcs0_Nss4	17.5	23.52	8.39
HT 20	5280	Mcs0_Nss4	17.5	23.71	8.63
HT 20	5320	Mcs0_Nss4	17.5	23.76	8.50
HT 40	5270	Mcs0_Nss4	17.5	23.76	6.28
HT 40	5310	Mcs0_Nss4	17.5	23.86	6.39
VHT 20	5260	Mcs0_Nss4	17.5	23.52	8.42
VHT 20	5280	Mcs0_Nss4	17.5	23.71	8.60
VHT 20	5320	Mcs0_Nss4	17.5	23.84	8.63
VHT 40	5270	Mcs0_Nss4	17.5	23.83	6.64
VHT 40	5310	Mcs0_Nss4	17.5	23.98	6.58
VHT 80	5290	Mcs0_Nss4	17.5	23.76	2.95
VHT 160	5250	Mcs0_Nss4	19.5	23.64	-0.11
HE 20	5260	Mcs0_Nss4	18.5	23.82	8.02
HE 20	5280	Mcs0_Nss4	18	23.53	7.56
HE 20	5320	Mcs0_Nss4	18	23.58	7.76
HE 40	5270	Mcs0_Nss4	18	23.46	5.58

HE 40	5310	Mcs0_Nss4	18	23.62	5.67
HE 80	5290	Mcs0_Nss4	18	23.53	2.38
HE 160	5250	Mcs0_Nss4	18.5	23.85	0.52

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5260	Mcs0_Nss1	17.5	23.61	8.66
OFDM 20	5280	Mcs0_Nss1	17.5	23.86	8.62
OFDM 20	5320	Mcs0_Nss1	17.5	23.89	9.05
HT 20	5260	Mcs0_Nss1	17.5	23.52	8.39
HT 20	5280	Mcs0_Nss1	17.5	23.71	8.63
HT 20	5320	Mcs0_Nss1	17.5	23.76	8.50
HT 40	5270	Mcs0_Nss1	17.5	23.76	6.28
HT 40	5310	Mcs0_Nss1	17.5	23.86	6.39
VHT 20	5260	Mcs0_Nss1	17.5	23.52	8.42
VHT 20	5280	Mcs0_Nss1	17.5	23.71	8.60
VHT 20	5320	Mcs0_Nss1	17.5	23.84	8.63
VHT 40	5270	Mcs0_Nss1	17.5	23.83	6.64
VHT 40	5310	Mcs0_Nss1	17.5	23.98	6.58
VHT 80	5290	Mcs0_Nss1	17.5	23.76	2.95
VHT 160	5250	Mcs0_Nss1	19.5	23.64	-0.11
HE 20	5260	Mcs0_Nss1	18.5	23.82	8.02
HE 20	5280	Mcs0_Nss1	18	23.53	7.56
HE 20	5320	Mcs0_Nss1	18	23.58	7.76
HE 40	5270	Mcs0_Nss1	18	23.46	5.58
HE 40	5310	Mcs0_Nss1	18	23.62	5.67
HE 80	5290	Mcs0_Nss1	18	23.53	2.38
HE 160	5250	Mcs0_Nss1	18.5	23.85	0.52

5.6.2 UNII-2C

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5500	Mcs0_Nss4	17.5	23.74	8.86
OFDM 20	5600	Mcs0_Nss4	17.5	23.62	8.61
OFDM 20	5720	Mcs0_Nss4	17.5	23.76	8.82
HT 20	5500	Mcs0_Nss4	17.5	23.70	8.37
HT 20	5600	Mcs0_Nss4	17.5	23.58	8.54
HT 20	5720	Mcs0_Nss4	17.5	23.69	8.29
HT 40	5510	Mcs0_Nss4	17.5	23.71	6.40
HT 40	5590	Mcs0_Nss4	17.5	23.64	6.45
VHT 20	5710	Mcs0_Nss4	17.5	23.71	6.33
VHT 20	5500	Mcs0_Nss4	17.5	23.64	8.45
VHT 20	5600	Mcs0_Nss4	17.5	23.56	8.46
VHT 40	5720	Mcs0_Nss4	17.5	23.69	8.39
VHT 40	5510	Mcs0_Nss4	17.5	23.59	6.36
VHT 80	5590	Mcs0_Nss4	17.5	23.61	6.42
VHT 160	5710	Mcs0_Nss4	17.5	23.75	6.32
HE 20	5530	Mcs0_Nss4	17.5	23.61	3.34
HE 20	5610	Mcs0_Nss4	17.5	23.60	3.09
HE 20	5690	Mcs0_Nss4	17.5	23.66	2.78
HE 40	5570	Mcs0_Nss4	19.5	23.53	0.37
HE 40	5500	Mcs0_Nss4	18.5	23.85	8.77
HE 80	5600	Mcs0_Nss4	18	23.40	8.61
HE 160	5720	Mcs0_Nss4	18.5	23.93	8.73

Modulation (BW)	Frequency (MHz)	Data Rate	TP Setting	Conducted Output Power*	Measured PSD
OFDM 20	5500	Mcs0_Nss1	17.5	23.74	8.86
OFDM 20	5600	Mcs0_Nss1	17.5	23.62	8.61
OFDM 20	5720	Mcs0_Nss1	17.5	23.76	8.82
HT 20	5500	Mcs0_Nss1	17.5	23.70	8.37
HT 20	5600	Mcs0_Nss1	17.5	23.58	8.54
HT 20	5720	Mcs0_Nss1	17.5	23.69	8.29

HT 40	5510	Mcs0_Nss1	17.5	23.71	6.40
HT 40	5590	Mcs0_Nss1	17.5	23.64	6.45
VHT 20	5710	Mcs0_Nss1	17.5	23.71	6.33
VHT 20	5500	Mcs0_Nss1	17.5	23.64	8.45
VHT 20	5600	Mcs0_Nss1	17.5	23.56	8.46
VHT 40	5720	Mcs0_Nss1	17.5	23.69	8.39
VHT 40	5510	Mcs0_Nss1	17.5	23.59	6.36
VHT 80	5590	Mcs0_Nss1	17.5	23.61	6.42
VHT 160	5710	Mcs0_Nss1	17.5	23.75	6.32
HE 20	5530	Mcs0_Nss1	17.5	23.61	3.34
HE 20	5610	Mcs0_Nss1	17.5	23.60	3.09
HE 20	5690	Mcs0_Nss1	17.5	23.66	2.78
HE 40	5570	Mcs0_Nss1	19.5	23.53	0.37
HE 40	5500	Mcs0_Nss1	18.5	23.85	8.77
HE 80	5600	Mcs0_Nss1	18	23.40	8.61
HE 160	5720	Mcs0_Nss1	18.5	23.93	8.73

Result

The maximum average power spectral density was less than the limit of 8 dBm; therefore, the EUT complies with the specification.

5.7 DFS Requirement

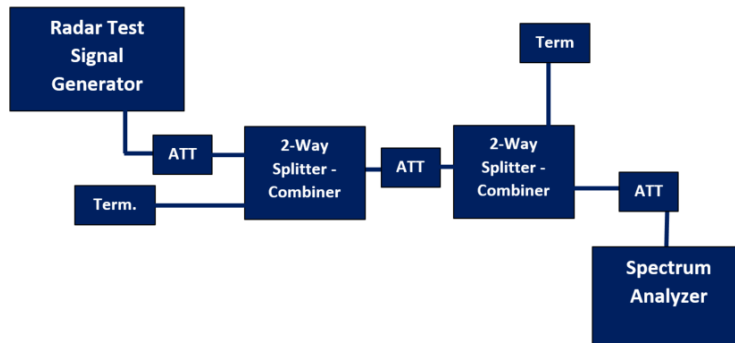
This product is a master with radar detection. The outcome of the required DFS tests is located in this section. DFS testing followed the test procedures as outlined in KDB 905462.

The product passes all required DFS tests for a master with radar detection.

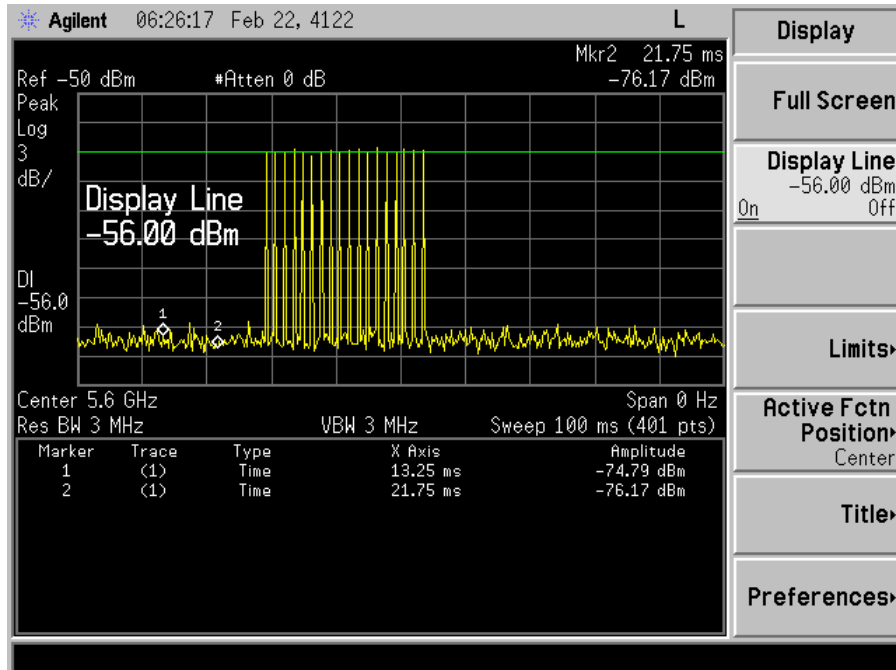
Information	Status
Possible Antenna/s	14 dBi integral
Antenna used for test	14 dBi integral
Operating mode	Master
Port used for testing	J7
EIRP range	> 200 milliwatt
Impedance of port	50 ohms
Channel loading technique	Data transfer was enacted to achieve a minimum channel loading of approximately 17%
Antenna measurement technique	See note 1
Time of power-on cycle	28.2 secs
Detection threshold level	-64 dBm

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

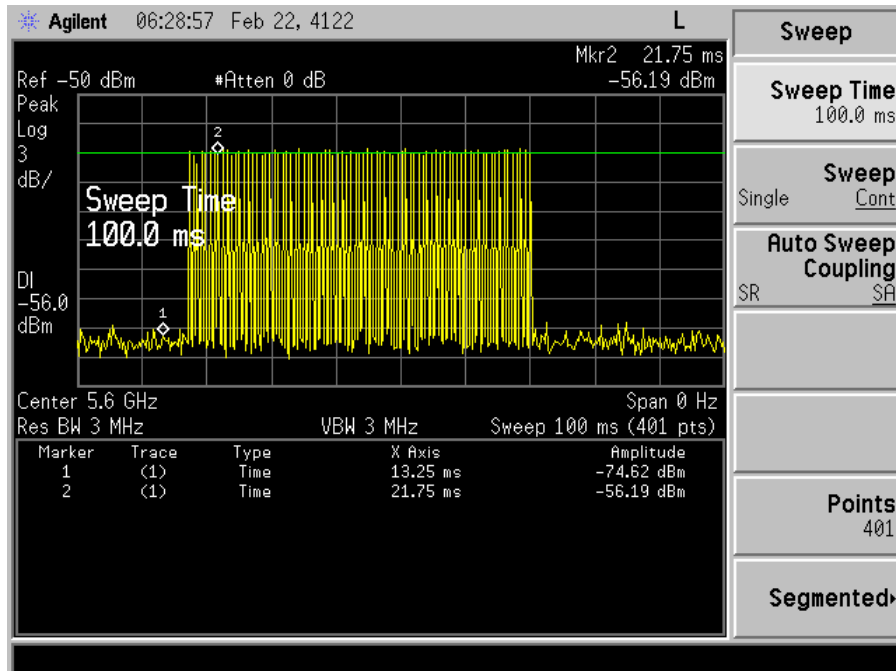
Requirement	Operational Mode	
	Master Client Without Radar Detection	Client With Radar Detection
<i>DFS Detection Threshold</i>	Yes	Not Required
<i>Channel Closing Transmission Time</i>	Yes	Yes
<i>Channel Move Time</i>	Yes	Yes
<i>U-NII Detection Bandwidth</i>	Yes	Not Required



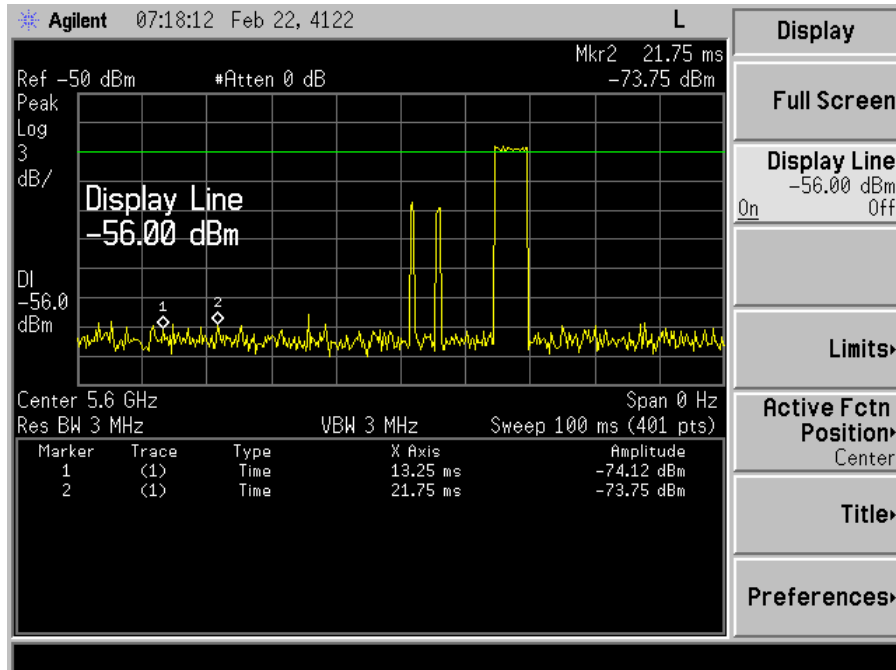
Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP \geq 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm
<p>Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.</p> <p>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.</p> <p>Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.</p>	



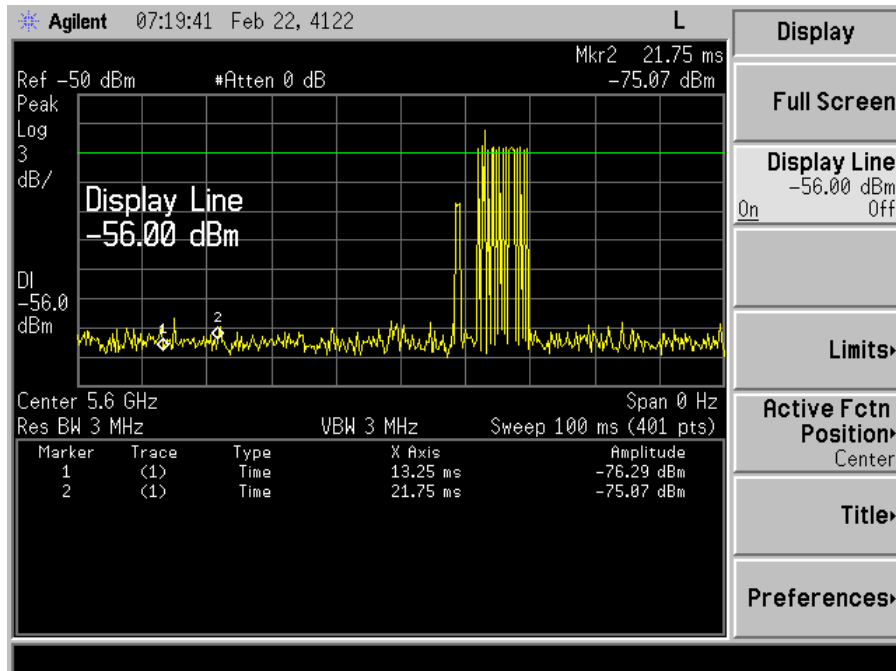
Plot 1: Radar Level 0



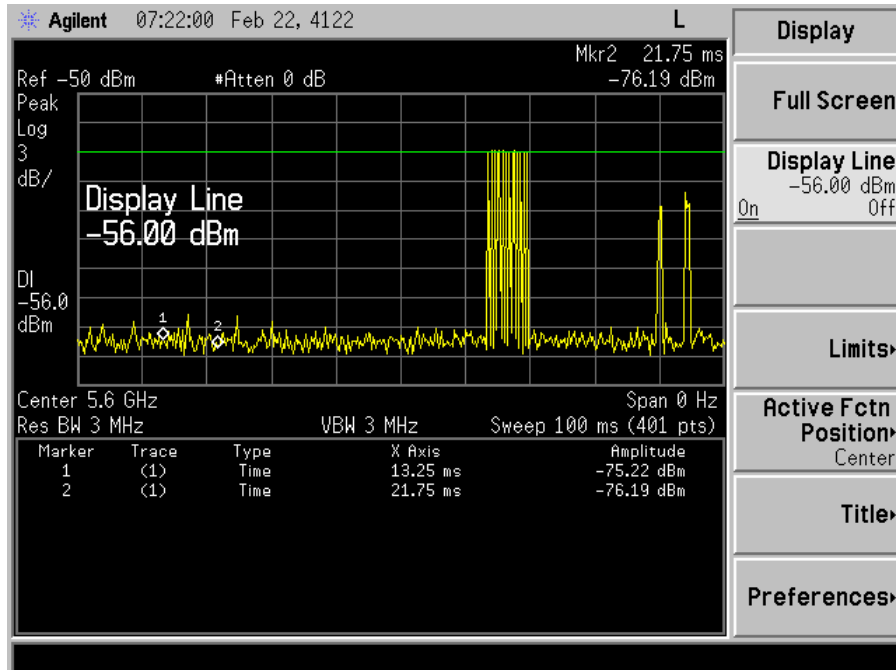
Plot 2: Radar Level 1



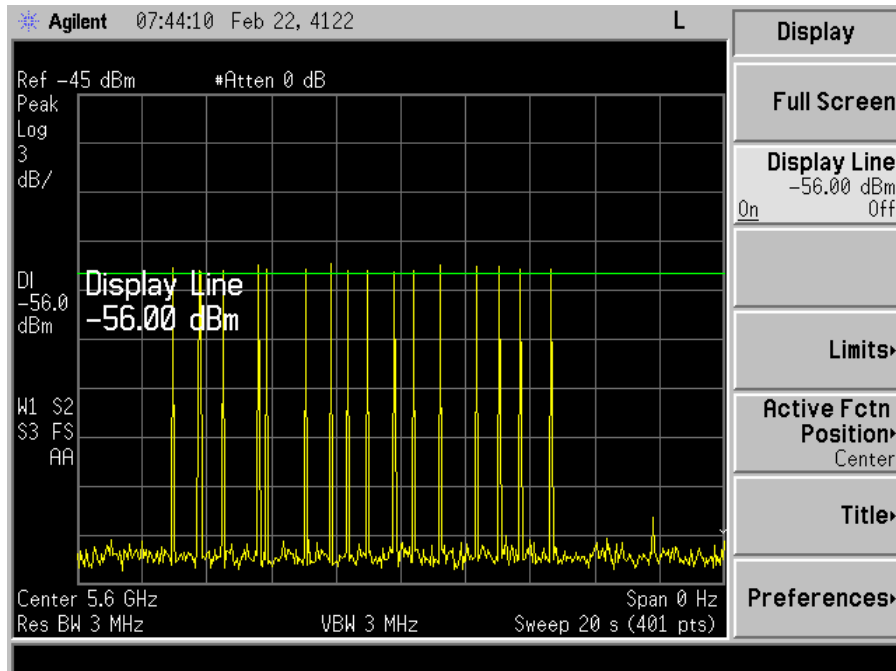
Plot 3: Radar Level 2



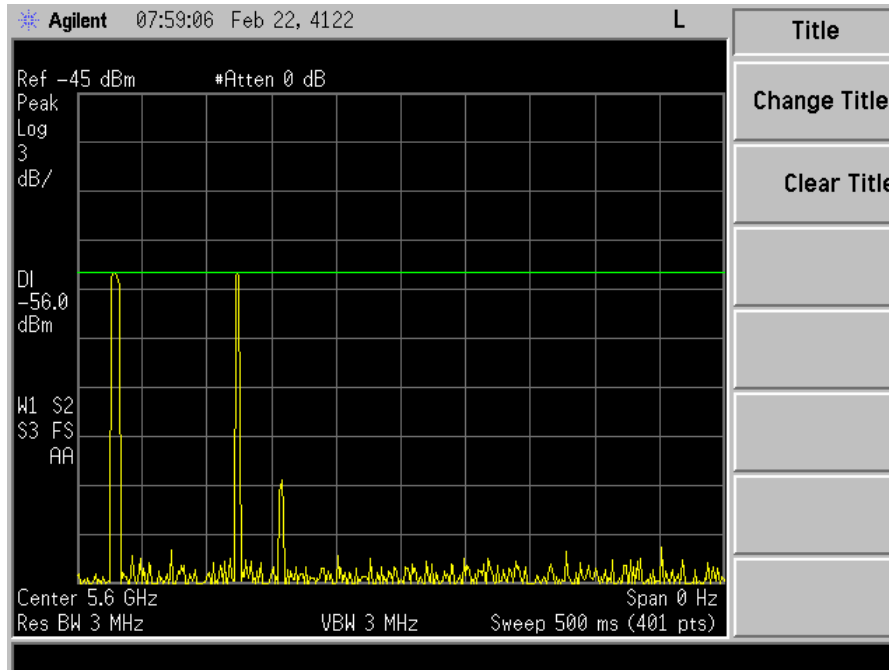
Plot 4: Radar Level 3



Plot 5: Radar Level 4



Plot 6: Radar Level 5



Plot 7: Radar Level 6

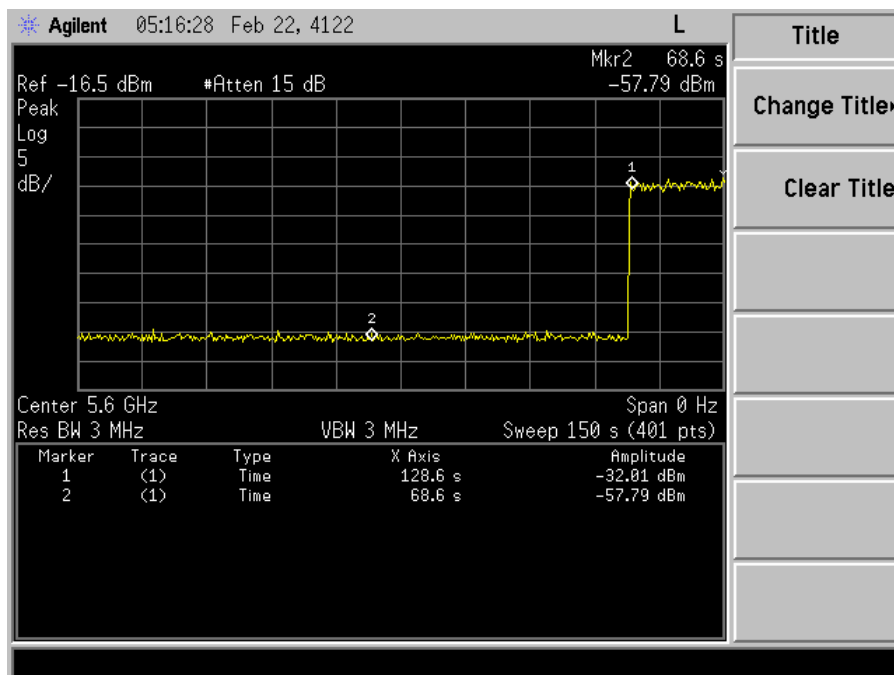
5.7.1 Channel Availability Check (CAC)

The EUT shall perform a CAC to ensure that there is no radar operating on the channel. After the power-up sequence, at-least 1 minute shall be monitored on the intended operating frequency. For initial CAC, the EUT does not emit beacon, control, or data signals on the test channel until the power-up sequence has been completed and the UNII device checks for radar waveforms for one minute on the test channel. This test does not use any radar waveforms. The markers in the associated plots indicate initial beacons.

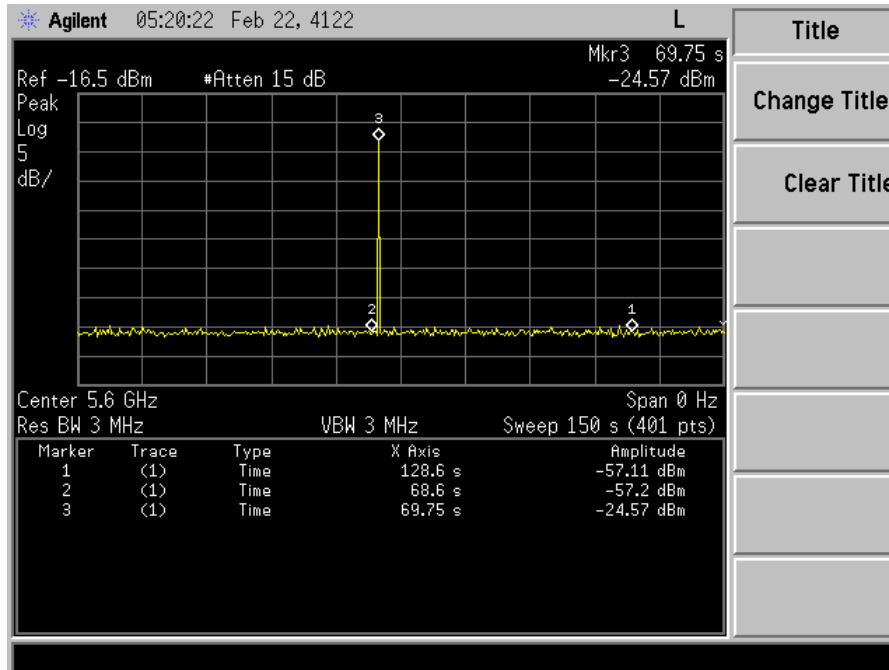
For radar burst at the beginning of the CAC. To verify successful radar detection on the selected channel during a period equal to the beginning of the CAC time, visual indication on the EUT of successful detection of the radar burst will be recorded and reported. Observation of the radar burst is show on the associated plot to be within the beginning of the CAC time. Emissions will continue to be monitored for the remaining 300 seconds.

For radar burst at the end of the CAC. To verify successful radar detection on the selected channel during a period equal to the end of the CAC time, visual indication on the EUT of successful detection of the radar burst will be recorded and reported. Observation of the radar burst is show on the associated plot to be within the end of the CAC time. Emissions will continue to be monitored for the remaining 300 seconds.

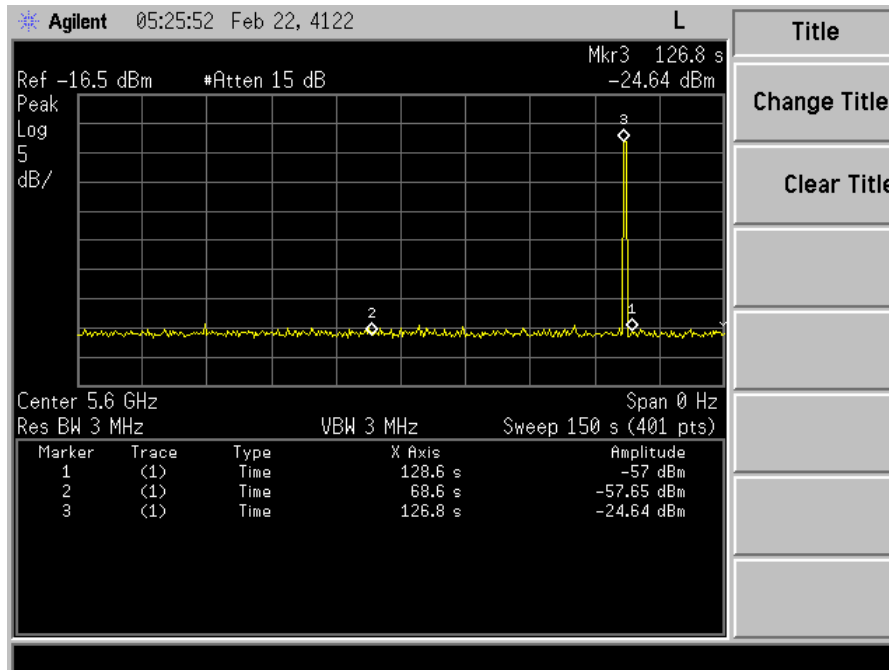
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



Plot 8: DUT Turn On



Plot 9: Beginning



Plot 10: End

5.7.2 In-service Monitoring

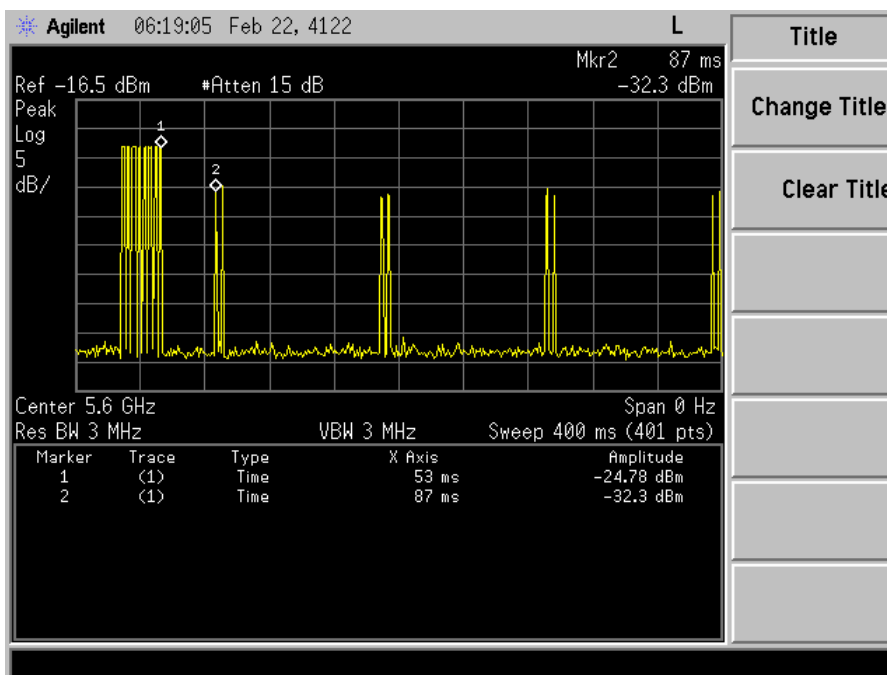
Channel Move Time	10 seconds
Channel Closing Transmission Time	200 ms + aggregate of 60 ms over remaining 10 second period
Non-occupancy period	Minimum 30 minutes

Verified during in-service monitoring: channel closing transmission time and channel move time. The transmissions were observed at the end of the radar burst on the operating channel for a duration of greater than 10 seconds. The transmissions were measured and recorded during the observation time. This was compared to the channel move time and channel closing time limits. One 12 second plot is reported for the short pulse radar type 0. A 60 ms plot is also provided to verify closing time for the aggregate transmission time starting from 200 ms after the end of the radar signal to the completion of the channel move.

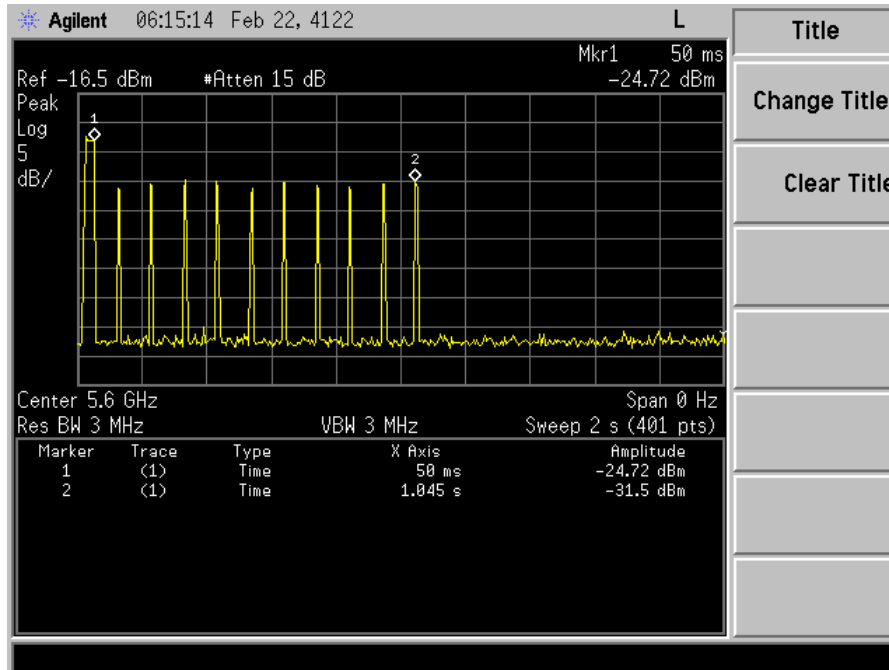
During the 30 minutes observation time, the EUT did not make any transmissions on a channel after a radar signal was detected.

Please see plots below.

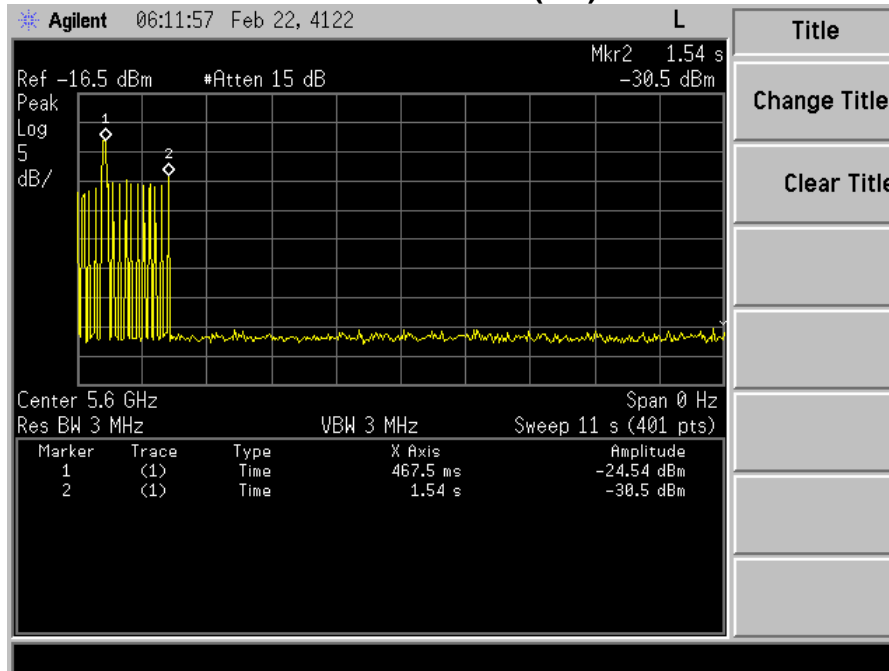
A spectrum analyzer is used as a monitor to verify that the EUT has vacated the channel within the channel closing transmission time and channel move time, and does not transmit on a channel during the non-occupancy period after the detection and channel move.



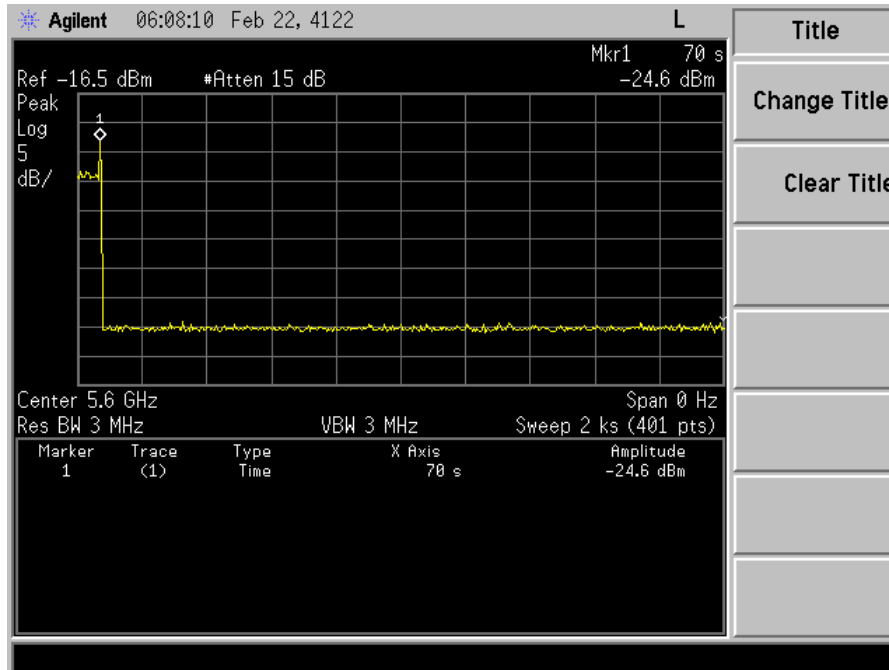
Plot 11: Close (400 ms)



Plot 12: Close (2 s)



Plot 13: Move



5.7.3 DFS Detection Bandwidth
20 MHz

EUT Frequency = 5600 MHz ; Bandwidth = 20 MHz												
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)											Detection Rate %
	Trials											
	1	2	3	4	5	6	7	8	9	10		
F_Low 5590	1	1	1	1	1	1	1	1	1	1	1	100
5591												
5592												
5593												
5594												
5595	1	1	1	1	1	1	1	1	1	1	1	100
5596												
5597												
5598												
5599												
5600	1	1	1	1	1	1	1	1	1	1	1	100
5601												
5602												
5603												
5604												
5605	1	1	1	1	1	1	1	1	1	1	1	100
5606												
5607												
5608												
5609												
F_High 5610	1	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100	
Detection Bandwidth = FH-FL = 5590 MHz - 5610 MHz = 20 MHz												
99% Bandwidth = 19.8 MHz												

40 MHz

EUT Frequency = 5590 MHz ; Bandwidth = 40 MHz											
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %
	Trials										
	1	2	3	4	5	6	7	8	9	10	
F_Low 5570	1	1	1	1	1	1	1	1	1	1	100
5571											
5572											
5573											
5574											
5575	1	1	1	1	1	1	1	1	1	1	100
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100
5596											
5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100
5601											
5602											

5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100
5606											
5607											
5608											
5609											
F_High 5610	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100
Detection Bandwidth = FH-FL = 5570 MHz - 5610 MHz = 40 MHz											
99% Bandwidth = 39.6 MHz											

80 MHz

EUT Frequency = 5610 MHz ; Bandwidth = 80 MHz											
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %
	Trials										
	1	2	3	4	5	6	7	8	9	10	
F_Low 5570	1	1	1	1	1	1	1	1	1	1	100
5571											
5572											
5573											
5574											
5575	1	1	1	1	1	1	1	1	1	1	100
5576											
5577											
5578											
5579											
5580	1	1	1	1	1	1	1	1	1	1	100
5581											
5582											
5583											
5584											
5585	1	1	1	1	1	1	1	1	1	1	100
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100
5591											

5592												
5593												
5594												
5595	1	1	1	1	1	1	1	1	1	1	1	100
5596												
5597												
5598												
5599												
5600	1	1	1	1	1	1	1	1	1	1	1	100
5601												
5602												
5603												
5604												
5605	1	1	1	1	1	1	1	1	1	1	1	100
5606												
5607												
5608												
5609												
5610	1	1	1	1	1	1	1	1	1	1	1	100
5611												
5612												
5613												
5614												
5615	1	1	1	1	1	1	1	1	1	1	1	100
5616												
5617												
5618												
5619												
5620	1	1	1	1	1	1	1	1	1	1	1	100
5621												
5622												
5623												
5624												
5625	1	1	1	1	1	1	1	1	1	1	1	100
5626												
5627												
5628												
5629												
5630	1	1	1	1	1	1	1	1	1	1	1	100
5631												
5632												
5633												

5634												
5635	1	1	1	1	1	1	1	1	1	1	1	100
5636												
5637												
5638												
5639												
5640	1	1	1	1	1	1	1	1	1	1	1	100
5641												
5642												
5643												
5644												
5645	1	1	1	1	1	1	1	1	1	1	1	100
5646												
5647												
5648												
5649												
F_High 5650	1	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100	
Detection Bandwidth = FH-FL = 5570 MHz - 5650 MHz = 80 MHz												
99% Bandwidth = 79.2 MHz												

160 MHz

EUT Frequency = 5570 MHz ; Bandwidth = 160 MHz												
Radar Frequency MHz	DFS Detection Trials (1 = Detection, 0 = No Detection)										Detection Rate %	
	Trials											
	1	2	3	4	5	6	7	8	9	10		
F_Low 5490	1	1	1	1	1	1	1	1	1	1	1	100
5491												
5492												
5493												
5494												
5495	1	1	1	1	1	1	1	1	1	1	1	100
5496												
5497												
5498												
5499												
5500	1	1	1	1	1	1	1	1	1	1	1	100
5501												
5502												

5503												
5504												
5505	1	1	1	1	1	1	1	1	1	1	1	100
5506												
5507												
5508												
5509												
5510	1	1	1	1	1	1	1	1	1	1	1	100
5511												
5512												
5513												
5514												
5515	1	1	1	1	1	1	1	1	1	1	1	100
5516												
5517												
5518												
5519												
5520	1	1	1	1	1	1	1	1	1	1	1	100
5521												
5522												
5523												
5524												
5525	1	1	1	1	1	1	1	1	1	1	1	100
5526												
5527												
5528												
5529												
5530	1	1	1	1	1	1	1	1	1	1	1	100
5531												
5532												
5533												
5534												
5535	1	1	1	1	1	1	1	1	1	1	1	100
5536												
5537												
5538												
5539												
5540	1	1	1	1	1	1	1	1	1	1	1	100
5541												
5542												
5543												

5544												
5545	1	1	1	1	1	1	1	1	1	1	1	100
5546												
5547												
5548												
5549												
5550	1	1	1	1	1	1	1	1	1	1	1	100
5551												
5552												
5553												
5554												
5555	1	1	1	1	1	1	1	1	1	1	1	100
5556												
5557												
5558												
5559												
5560	1	1	1	1	1	1	1	1	1	1	1	100
5561												
5562												
5563												
5564												
5565	1	1	1	1	1	1	1	1	1	1	1	100
5566												
5567												
5568												
5569												
5570	1	1	1	1	1	1	1	1	1	1	1	100
5571												
5572												
5573												
5574												
5575	1	1	1	1	1	1	1	1	1	1	1	100
5576												
5577												
5578												
5579												
5580	1	1	1	1	1	1	1	1	1	1	1	100
5581												
5582												
5583												
5584												

5585	1	1	1	1	1	1	1	1	1	1	100
5586											
5587											
5588											
5589											
5590	1	1	1	1	1	1	1	1	1	1	100
5591											
5592											
5593											
5594											
5595	1	1	1	1	1	1	1	1	1	1	100
5596											
5597											
5598											
5599											
5600	1	1	1	1	1	1	1	1	1	1	100
5601											
5602											
5603											
5604											
5605	1	1	1	1	1	1	1	1	1	1	100
5606											
5607											
5608											
5609											
5610	1	1	1	1	1	1	1	1	1	1	100
5611											
5612											
5613											
5614											
5615	1	1	1	1	1	1	1	1	1	1	100
5616											
5617											
5618											
5619											
5620	1	1	1	1	1	1	1	1	1	1	100
5621											
5622											
5623											
5624											
5625	1	1	1	1	1	1	1	1	1	1	100

5626												
5627												
5628												
5629												
5630	1	1	1	1	1	1	1	1	1	1	1	100
5631												
5632												
5633												
5634												
5635	1	1	1	1	1	1	1	1	1	1	1	100
5636												
5637												
5638												
5639												
5640	1	1	1	1	1	1	1	1	1	1	1	100
5641												
5642												
5643												
5644												
5645	1	1	1	1	1	1	1	1	1	1	1	100
5646												
5647												
5648												
5649												
F_High 5650	1	1	1	1	1	1	1	1	1	1	1	100
Total Detection Percentage											100	
Detection Bandwidth = FH-FL = 5490 MHz - 5650 MHz = 160 MHz												
99% Bandwidth = 158.4 MHz												

5.7.4 Detection Probability

For statistical performance check. Demonstrating a minimum channel loading of approximately 17% or greater of the test. 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 type 1-4 and 6 to ensure detection occurs. Then 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. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.

Please see data below.

Radar Type	Min successful detection (%)	Minimum Trials
1	60	30
2	60	30
3	60	30
4	60	30
Types 1 - 4	80	120
5	80	30
6	70	30

20 MHz

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	89	1	598	y
2	83	1	638	y
3	59	1	898	y
4	70	1	758	y
5	18	1	3066	y
6	57	1	938	y
7	61	1	878	y
8	86	1	618	y
9	63	1	838	y
10	81	1	658	y
11	68	1	778	y
12	92	1	578	y
13	58	1	918	y
14	67	1	798	y
15	78	1	678	y
16	50	1	1075	y

17	38	1	1388	y
18	39	1	1374	y
19	49	1	1097	y
20	25	1	2192	y
21	73	1	728	y
22	31	1	1735	y
23	24	1	2270	y
24	38	1	1391	y
25	66	1	809	y
26	93	1	571	y
27	76	1	700	y
28	34	1	1560	y
29	46	1	1171	y
30	19	1	2919	y

Detection Probability: 100%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	24	2.3	226	y
2	27	1.4	188	n
3	29	4.6	205	y
4	24	3.9	223	y
5	28	4	174	y
6	26	2	219	y
7	27	1.3	186	y
8	28	2.5	224	y
9	26	2	187	y
10	29	1.1	181	y
11	25	4.7	203	y
12	25	4.3	190	y
13	26	1.3	167	y
14	28	2.9	213	n
15	25	3.6	187	y
16	25	1	194	y
17	23	3.4	205	y
18	26	1.3	169	y
19	27	1.2	215	y
20	26	2.4	192	y
21	28	3.5	167	y
22	24	2.5	195	y

23	27	3.6	174	y
24	24	3	178	y
25	25	2.2	222	y
26	29	3.2	189	y
27	26	1.3	167	y
28	27	1	222	y
29	27	3.8	180	y
30	28	2.3	160	y

Detection Probability: 93%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	17	8.9	242	y
2	17	8.4	307	n
3	18	7.6	292	y
4	18	6.9	213	y
5	16	8.6	394	y
6	18	8	448	y
7	17	9.6	305	y
8	17	6.9	484	y
9	17	7.5	499	y
10	17	9.3	204	y
11	16	6.5	436	n
12	17	8	457	y
13	17	6.7	371	y
14	17	6.5	285	y
15	16	7.1	389	y
16	16	8.4	280	n
17	17	6.2	353	y
18	18	6.7	297	y
19	16	8.7	202	y
20	18	7.4	423	y
21	17	7.5	410	y
22	17	9.3	250	y
23	17	8.8	309	y
24	16	9.8	425	y
25	16	9	358	y
26	18	8.8	200	y
27	17	8.1	226	n
28	18	6.9	235	y

29	16	7.6	291	y
30	16	8.1	409	y

Detection Probability: 87%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	13	11.4	265	y
2	14	16.5	377	y
3	15	16	413	y
4	16	16.2	436	y
5	14	14.8	240	n
6	14	19.4	287	y
7	13	11.3	315	y
8	14	19.7	410	n
9	12	12.5	423	y
10	12	19.9	458	y
11	16	11.2	323	y
12	15	12.5	328	y
13	14	14.6	230	y
14	12	18.3	407	n
15	16	12.5	402	y
16	14	14.3	407	y
17	14	13.5	213	y
18	13	12.6	316	y
19	16	12.1	434	y
20	12	14	288	y
21	13	15.9	385	y
22	14	16.8	273	y
23	12	12	429	y
24	15	17	340	y
25	12	16.4	219	y
26	14	13.9	283	y
27	13	17.4	468	y
28	16	18.7	464	y
29	15	14	494	y
30	13	11.2	277	y

Detection Probability: 90%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS			
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc	
1	y	15	1	5500	
2	y	14	1	5500	
3	y	5	1	5500	
4	y	14	1	5500	
5	y	9	1	5500	
6	y	14	1	5500	
7	y	12	1	5500	
8	y	6	1	5500	
9	y	18	1	5500	
10	y	16	1	5500	
11	y	7	2	5493.8	
12	y	17	2	5497.8	
13	y	9	2	5494.6	
14	y	9	2	5494.6	
15	y	11	2	5495.4	
16	y	15	2	5497	
17	y	12	2	5495.8	
18	y	13	2	5496.2	
19	n	6	2	5493.4	
20	y	11	2	5495.4	
21	y	15	3	5503	
22	y	12	3	5504.2	
23	y	10	3	5505	
24	y	10	3	5505	
25	y	18	3	5501.8	
26	y	17	3	5502.2	
27	y	19	3	5501.4	
28	y	13	3	5503.8	
29	y	19	3	5501.4	
30	y	15	3	5503	

Detection Probability: 96%

Type 5 Radar Parameters

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 3							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	78.8	5	1647		137.024	
2	3	64.1	5	1011	1913	31.421	
3	3	83.8	5	1429	1484	359.014	
4	2	64.4	5	1034		30.871	
5	3	98.3	5	1536	1064	140.599	
6	2	72.5	5	1899		234.746	
7	3	86	5	1557	1249	334.483	
8	1	70.1	5			678.36	
9	3	65.9	5	1280	1820	104.927	
10	3	66.3	5	1321	1694	243.644	
11	1	68.2	5			362.421	
12	2	67.4	5	1398		830.429	
13	2	99.9	5	1755		589.086	
14	1	51.9	5			82.643	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 4							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	97.1	14	1182	1423	661.58	
2	2	66.7	14	1890		45.233	
3	3	91	14	1279	1654	449.866	
4	3	60	14	1315	1799	880.219	
5	2	52.4	14	1616		367.182	
6	2	83	14	1451		75.725	
7	1	82.2	14			366.808	
8	3	50.1	14	1212	1585	103.632	
9	1	92	14			444.115	
10	2	76.5	14	1908		356.078	
11	1	70.6	14			62.331	
12	3	53.4	14	1577	1650	70.454	
13	2	73	14	1354		407.377	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 5							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	72.7	9			419.981	
2	2	70.4	9	1457		34.87	
3	1	74	9			57.28	
4	3	78.9	9	1723	1055	873.09	
5	3	90.2	9	1456	1204	657.02	
6	2	50.5	9	1778		424.5	
7	3	94.3	9	1610	1154	911.49	
8	1	96.7	9			668.09	
9	1	71.2	9			78.25	
10	1	91.3	9			187.4	
11	1	63.6	9			941.7	
12	3	98.4	9	1516	1656	607.3	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 6							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	94.8	14	1766		612.142	
2	1	79	14			542.987	
3	2	95.3	14	1247		322.294	
4	3	78.2	14	1979	1524	604.081	
5	2	54.2	14	1166		576.719	
6	2	51.8	14	1077		659.636	
7	1	66.5	14			94.333	
8	2	62.7	14	1102		514.13	
9	2	87	14	1579		70.157	
10	2	94.7	14	1362		411.634	
11	3	90.9	14	1741	1993	349.761	
12	2	91	14	1521		641.229	
13	3	67.6	14	1727	1951	517.386	
14	2	54.2	14	1829		543.543	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 7							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	76.8	12	1325	1402	625.233	
2	2	94.3	12	1598		129.04	
3	2	82.3	12	1042		969.82	
4	2	91.1	12	1751		810.16	
5	2	92.4	12	1180		678.17	
6	3	72.8	12	1105	1676	726.37	
7	2	69.8	12	1900		735.69	
8	2	67	12	1080		970.65	
9	2	62	12	1617		374.14	
10	1	59.7	12			407.92	
11	3	58.7	12	1464	1399	990.3	
12	1	73.6	12			295.4	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 8							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	54.8	6	1453		712.734	
2	2	62.9	6	1790		70.721	
3	3	80	6	1621	1865	880.112	
4	1	94.6	6			1060.323	
5	1	85.3	6			222.854	
6	1	67.9	6			121.295	
7	3	78.1	6	1866	1605	121.735	
8	1	82.3	6			46.536	
9	3	55	6	1666	1701	1018.337	
10	2	78.4	6	1634		838.118	
11	2	99.8	6	1969		442.809	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 9							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	82.8	18	1654		410.528	
2	1	96.1	18			284.367	
3	1	53.1	18			614.924	
4	3	71.8	18	1425	1508	836.761	
5	1	90.2	18			125.949	
6	1	95.4	18			26.346	
7	1	98.8	18			60.333	
8	1	77.3	18			48.47	
9	2	71	18	1405		317.417	
10	2	51.4	18	1925		233.834	
11	3	59.8	18	1225	1568	771.251	
12	2	86.8	18	1312		507.939	
13	2	76.2	18	1288		250.786	
14	2	76	18	1737		498.043	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 10							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	59.8	16	1939		614.974	
2	1	80.1	16			351.031	
3	2	86.5	16	1926		878.712	
4	3	87.4	16	1784	1376	53.103	
5	3	56.2	16	1472	1067	178.214	
6	2	93.3	16	1362		982.345	
7	2	69	16	1723		605.485	
8	2	77.1	16	1961		938.866	
9	2	71.6	16	1989		307.757	
10	2	73.5	16	1949		726.218	
11	2	75	16	1895		521.309	

TYPE 5 PARAMETER SHEET						
						Rohde & Schwarz Pulse Sequencer
Trial Number : 11						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	64	7	1421		880.365
2	2	91.5	7	1102		798.23
3	2	75.6	7	1109		868.9
4	3	75.8	7	1847	1416	606.84
5	3	92.2	7	1862	1389	128.51
6	3	99.9	7	1974	1796	999.06
7	2	51.1	7	1609		62.72
8	2	63.6	7	1285		289.51
9	2	98.6	7	1296		882.4
10	2	95.8	7	1256		1079.3

TYPE 5 PARAMETER SHEET						
						Rohde & Schwarz Pulse Sequencer
Trial Number : 12						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	89.5	17	1888	1561	1154.47
2	3	60.2	17	1098	1580	974.667
3	3	67.8	17	1220	1669	175.183
4	1	74.9	17			239.19
5	1	91	17			121.427
6	3	63.6	17	1019	1995	360.333
7	2	59.8	17	1282		989.58
8	2	56.6	17	1565		123.587
9	3	58	17	1097	1061	1052.733

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 13							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	71.8	9			1057.68	
2	2	72	9	1469		1104.277	
3	2	76.7	9	1923		842.453	
4	3	94.6	9	1444	1254	1325.94	
5	2	97	9	1469		602.277	
6	2	60.3	9	1350		833.223	
7	2	88.5	9	1644		679.52	
8	2	88.8	9	1249		1.137	
9	1	93.5	9			378.533	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 14							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	99.6	9	1500		243.261	
2	2	59.7	9	1594		287.835	
3	1	55.1	9			23.642	
4	1	74.6	9			335.993	
5	3	73.4	9	1361	1303	17.494	
6	2	66.2	9	1345		599.585	
7	2	62.3	9	1020		360.796	
8	2	63.4	9	1462		360.127	
9	2	88	9	1955		190.958	
10	3	50	9	1547	1635	548.199	
11	2	83.3	9	1402		174.271	
12	1	77.9	9			517.192	
13	2	76.4	9	1797		289.363	
14	1	84.7	9			331.434	
15	2	86.8	9	1328		539.235	
16	2	90.8	9	1182		148.336	
17	3	82.7	9	1195	1779	468.237	
18	1	98	9			534.658	
19	3	92.8	9	1691	1152	586.879	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 15							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	52.6	11			676.808	
2	2	78.7	11	1478		753.283	
3	3	77.2	11	1616	1517	137.846	
4	2	69.6	11	1144		722.279	
5	3	94.1	11	1360	1349	228.012	
6	2	60.5	11	1589		465.905	
7	3	72	11	1915	1780	539.038	
8	3	88.7	11	1766	1683	223.372	
9	3	62.4	11	1860	1948	200.355	
10	3	62.9	11	1182	1200	889.878	
11	2	51.9	11	1232		413.441	
12	1	64	11			22.554	
13	3	89.9	11	1003	1598	344.477	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 16							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	85.8	15	1458		441.646	
2	3	71.6	15	1121	1064	791.297	
3	3	93.8	15	1061	1408	726.334	
4	1	68.3	15			504.061	
5	3	94.5	15	1550	1972	835.399	
6	2	70	15	1441		217.396	
7	2	69.2	15	1329		678.943	
8	2	99.2	15	1828		259.93	
9	2	88.4	15	1876		420.717	
10	2	97.3	15	1703		512.674	
11	2	64.6	15	1587		127.751	
12	3	72.6	15	1030	1025	654.629	
13	2	81.3	15	1801		0.786	
14	2	51	15	1984		103.643	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 17							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	59.3	12	1326		252.404	
2	2	96.3	12	1009		554.293	
3	1	97.3	12			436.726	
4	1	58.9	12			651.729	
5	2	70.7	12	1560		770.822	
6	2	87.4	12	1452		217.805	
7	3	52.7	12	1758	1036	909.768	
8	3	84.3	12	1455	1449	861.812	
9	2	97.8	12	1816		583.665	
10	2	70.9	12	1670		907.868	
11	1	90.9	12			33.051	
12	1	65.7	12			184.154	
13	2	55.8	12	1684		455.377	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 18							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	73.2	13	1150		534.447	
2	2	96	13	1806		737.71	
3	1	82.2	13			145.19	
4	2	65	13	1393		611.1	
5	3	86.9	13	1463	1231	540.21	
6	2	59.7	13	1935		247.47	
7	2	61	13	1577		518.27	
8	1	62.1	13			259.08	
9	2	87.3	13	1438		1116.8	
10	2	97.3	13	1558		1131.6	

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 19						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	64.3	6	1580	1920	736.248
2	3	83.3	6	1267	1939	892.21
3	2	96.1	6	1627		1125.04
4	1	70.1	6			1155.32
5	1	52.7	6			643.4
6	3	62.5	6	1698	1345	320.22
7	1	78.1	6			10.42
8	2	69.6	6	1320		480.95
9	2	83.6	6	1582		1114.6
10	2	99.5	6	1985		897.8

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 20						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	95.6	11	1957		689.958
2	2	84	11	1739		533.577
3	1	98.3	11			666.183
4	1	73.4	11			787.66
5	3	84.6	11	1913	1896	490.347
6	3	62.8	11	1503	1460	1274.103
7	2	95.7	11	1533		215.33
8	2	82.2	11	1731		571.557
9	2	79.8	11	1745		270.833

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 21							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	99.9	15	1352		93.667	
2	2	69.5	15	1423		246.487	
3	1	54.5	15			1239.353	
4	3	97.6	15	1492	1148	1097.67	
5	3	90.1	15	1452	1553	70.247	
6	2	75	15	1168		300.503	
7	3	62.8	15	1122	1582	1030.62	
8	3	65.3	15	1611	1590	1257.067	
9	2	55.1	15	1339		455.833	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 22							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	78.9	12	1431		189.232	
2	2	52.6	12	1378		895.01	
3	1	90.8	12			248.11	
4	2	62.8	12	1909		911.1	
5	1	58.1	12			949.04	
6	1	60.5	12			512.26	
7	2	77.5	12	1253		629.56	
8	2	70.4	12	1048		76.86	
9	2	81.1	12	1732		1020.2	
10	2	68.3	12	1019		707.2	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 23							
Bursts in Trial: 15							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	68.2	10			74.603	
2	1	56.6	10			96.284	
3	2	56.2	10	1202		690.55	
4	2	83.6	10	1216		746.55	
5	2	71.7	10	1088		714.72	
6	2	74.3	10	1150		638.59	
7	2	59.7	10	1978		321.6	
8	2	57	10	1681		545.02	
9	1	89.8	10			523.57	
10	2	96.8	10	1498		6.75	
11	3	84	10	1081	1233	690.07	
12	3	86	10	1282	1838	454.71	
13	2	85.3	10	1518		93.35	
14	2	91.4	10	1963		8.8	
15	2	93	10	1985		625.3	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 24							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	98.4	10	1211	1911	1074.86	
2	3	83.2	10	1194	1456	864.63	
3	3	90.6	10	1098	1130	1081.57	
4	2	99.6	10	1048		307.95	
5	2	67.5	10	1819		263.95	
6	2	83	10	1401		1112.9	
7	2	65.3	10	1274		1055.07	
8	3	60.8	10	1223	1629	87.49	
9	3	83.1	10	1579	1049	792.3	
10	1	50	10			14.3	

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 25						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	71.5	18	1961	1479	23.718
2	1	95.2	18			288.515
3	2	70.2	18	1552		39.6
4	2	66.4	18	1461		206.69
5	1	82.1	18			481.06
6	3	94.7	18	1679	1516	574.85
7	3	93.8	18	1724	1024	83.12
8	2	57	18	1652		384.53
9	1	75.3	18			297.84
10	3	98.4	18	1319	1942	348
11	1	64	18			166.91
12	2	79.5	18	1969		399.78
13	2	57.2	18	1690		374.25
14	2	56	18	1850		438.8
15	2	54.2	18	1937		40.83
16	1	74.4	18			12.6
17	3	83.2	18	1315	1306	238.85
18	3	66.9	18	1203	1210	443.5
19	1	79.4	18			327.9
20	3	63.9	18	1680	1661	113.6

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 26						
Bursts in Trial: 16						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	82.9	17			361.212
2	2	74.1	17	1519		73.787
3	2	54.7	17	1409		490.66
4	2	87	17	1256		317.08
5	2	99.6	17	1602		351.03
6	2	64.8	17	1240		467.58
7	2	88.8	17	1789		85.38
8	2	52.2	17	1754		317.81
9	1	57.6	17			55.12
10	2	50.2	17	1529		413.43
11	2	75.9	17	1805		452.44
12	1	54.5	17			148.18
13	2	92.5	17	1606		317.84
14	2	97.3	17	1416		604.9
15	2	65.8	17	1655		647.7
16	2	57.4	17	1463		132.1

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 27							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	75.2	19	1601		1138.01	
2	1	65.5	19			413.55	
3	3	88.5	19	1838	1825	904.69	
4	2	57.2	19	1470		745.71	
5	2	81.5	19	1059		138.84	
6	2	95.8	19	1253		996.69	
7	3	78.8	19	1268	1683	762.27	
8	3	50.2	19	1978	1515	541.65	
9	3	73.8	19	1595	1708	827.5	
10	2	67.5	19	1102		383.1	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 28							
Bursts in Trial: 15							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	86	13	1007		159.491	
2	3	77.5	13	1259	1108	505.24	
3	1	57.5	13			570.93	
4	1	66.4	13			754.51	
5	2	82	13	1886		777.43	
6	2	72.2	13	1796		335.45	
7	1	94.6	13			341.8	
8	2	73.6	13	1110		592.67	
9	3	96	13	1148	1307	622.98	
10	1	80.3	13			780.02	
11	1	88.7	13			259.39	
12	2	92.4	13	1477		589.26	
13	1	93.6	13			149.19	
14	2	50.3	13	1073		699.1	
15	2	62.2	13	1614		769	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 29							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	65.4	19	1379		256.056	
2	1	62.1	19			421.7	
3	2	83.8	19	1270		592.5	
4	3	78	19	1169	1868	453.51	
5	2	65.6	19	1724		335.99	
6	1	59.9	19			267.4	
7	2	90.4	19	1367		484.72	
8	1	53.8	19			138.55	
9	2	74.9	19	1923		335.86	
10	3	80.4	19	1874	1942	92.92	
11	1	73.1	19			66.4	
12	1	88.6	19			99.53	
13	2	99.3	19	1941		430.95	
14	1	99.1	19			440.7	
15	1	79.7	19			576.5	
16	1	63.9	19			694.9	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 30							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	93.8	15	1063		752.648	
2	2	80.7	15	1411		677.727	
3	2	69	15	1032		667.814	
4	3	70.6	15	1544	1596	185.061	
5	2	83.8	15	1845		811.429	
6	2	67.6	15	1983		704.856	
7	2	55.5	15	1998		530.323	
8	3	69	15	1576	1908	149.61	
9	2	78	15	1538		731.687	
10	3	81.7	15	1057	1357	503.174	
11	2	65.6	15	1983		605.061	
12	2	81.8	15	1256		141.669	
13	2	66.5	15	1481		417.486	
14	3	65.6	15	1272	1631	761.343	

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	

2	y
3	y
4	y
5	y
6	y
7	y
8	y
9	y
10	y
11	y
12	y
13	y
14	y
15	y
16	y
17	y
18	y
19	y
20	y
21	y
22	y
23	y
24	y
25	y
26	y
27	y
28	y
29	y
30	y
Detection Probability: 100%	

40MHz

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	21	1	2559	y
2	36	1	1476	y
3	41	1	1317	y
4	39	1	1373	y
5	59	1	894	y

6	70	1	759	y
7	78	1	684	y
8	36	1	1491	y
9	54	1	982	y
10	24	1	2286	y
11	29	1	1861	y
12	22	1	2493	y
13	25	1	2143	y
14	46	1	1151	y
15	27	1	2020	y
16	35	1	1526	y
17	43	1	1231	y
18	45	1	1196	y
19	26	1	2058	y
20	37	1	1432	n
21	18	1	2929	y
22	58	1	916	y
23	20	1	2732	y
24	30	1	1780	y
25	18	1	3064	y
26	22	1	2439	y
27	68	1	785	y
28	38	1	1395	y
29	18	1	2992	y
30	68	1	783	y

Detection Probability: 96%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	27	3.5	211	y
2	25	3.5	204	y
3	27	1.8	224	y
4	26	4.5	167	y
5	27	3.8	223	y
6	27	4.4	193	y
7	24	3.6	204	y
8	26	3.1	204	y
9	27	4	167	y
10	27	3.3	222	y
11	23	2.2	201	y
12	25	1.7	183	y

13	28	3.3	223	y
14	26	3.5	153	y
15	28	4.5	164	y
16	27	3.6	152	y
17	25	1.4	199	y
18	27	1.6	167	y
19	28	1.7	165	y
20	28	4.9	175	n
21	24	1.8	156	y
22	24	4.9	200	y
23	23	4.4	208	n
24	24	1.7	226	y
25	28	2.6	214	y
26	25	4.1	218	y
27	28	1.2	178	y
28	27	3.4	165	n
29	28	4.2	219	y
30	25	1.6	162	y

Detection Probability: 90%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	16	6	375	y
2	16	8.7	481	y
3	18	9	425	y
4	17	8.3	245	y
5	17	6.6	217	y
6	18	8	321	n
7	18	6.2	237	y
8	18	8.9	344	y
9	16	8.7	205	y
10	16	7.3	379	y
11	17	7	491	y
12	17	8.7	222	y
13	17	9.3	333	y
14	18	8.2	448	y
15	17	6.7	456	y
16	17	7.1	426	y
17	17	9.6	487	y
18	17	6.6	467	y
19	16	8.1	466	n

20	16	9.6	425	y
21	17	7.6	327	y
22	17	6	422	y
23	18	9	393	y
24	17	8.9	386	y
25	17	9.8	364	y
26	16	8.8	386	y
27	17	6.9	334	y
28	16	9	360	y
29	17	9.2	494	y
30	17	7.7	381	y

Detection Probability: 93%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	14	17.9	407	y
2	13	11.2	365	y
3	12	18.3	492	n
4	15	11.2	229	y
5	14	14	202	y
6	13	13.2	462	y
7	14	17.1	354	y
8	12	17.7	375	y
9	15	18.4	447	y
10	16	16.5	315	y
11	13	11.6	322	y
12	13	15.1	428	y
13	16	19.7	350	y
14	13	17.5	428	y
15	15	18.8	244	y
16	15	14.6	421	y
17	12	16.9	430	y
18	15	17.9	220	y
19	14	17.7	216	y
20	12	18.4	380	n
21	13	13.4	241	y
22	13	12.3	421	y
23	14	12.1	216	y
24	14	12.3	417	y
25	15	14.8	371	y
26	15	13	319	y

27	15	13.8	225	y
28	12	17.3	473	n
29	16	19.2	218	y
30	13	12.2	256	y

Detection Probability: 90%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	17	1	5500
2	y	10	1	5500
3	y	6	1	5500
4	y	6	1	5500
5	y	10	1	5500
6	y	19	1	5500
7	y	13	1	5500
8	y	16	1	5500
9	y	13	1	5500
10	y	15	1	5500
11	y	12	2	5495.8
12	n	18	2	5498.2
13	y	11	2	5495.4
14	y	9	2	5494.6
15	n	15	2	5497
16	y	15	2	5497
17	y	19	2	5498.6
18	y	17	2	5497.8
19	y	17	2	5497.8
20	n	11	2	5495.4
21	y	7	3	5506.2
22	y	8	3	5505.8
23	y	18	3	5501.8
24	y	10	3	5505
25	y	13	3	5503.8
26	y	7	3	5506.2
27	n	13	3	5503.8
28	y	16	3	5502.6
29	y	11	3	5504.6
30	y	18	3	5501.8

Detection Probability: 87%

Type 5 Radar Parameters

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 1							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	64	17	1422		8.386	
2	1	71.7	17			715.767	
3	3	69.8	17	1114	1597	21.413	
4	1	98.7	17			46.89	
5	2	95.6	17	1579		1156.097	
6	2	79.9	17	1371		147.243	
7	2	61.5	17	1286		1258.65	
8	1	75.3	17			1095.267	
9	2	94.6	17	1408		910.833	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 2							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	63.5	10	1311		60.659	
2	2	83.9	10	1727		322.683	
3	1	81.2	10			311.542	
4	2	71	10	1354		623.173	
5	3	73.2	10	1452	1590	229.294	
6	2	85.3	10	1754		524.115	
7	3	68.3	10	1253	1773	45.066	
8	2	82.8	10	1459		582.987	
9	1	74.8	10			563.628	
10	1	70.7	10			439.949	
11	1	65.4	10			138.481	
12	3	59.4	10	1111	1394	235.492	
13	1	64.5	10			76.723	
14	2	73.9	10	1720		464.574	
15	1	60.5	10			350.245	
16	2	74.9	10	1512		291.896	
17	2	62.3	10	1167		240.837	
18	1	82	10			428.658	
19	3	82	10	1311	1622	233.579	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 3							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	54.1	6	1383		391.071	
2	2	63.8	6	1231		91.233	
3	3	65.6	6	1441	1810	411.13	
4	2	61.4	6	1420		298.94	
5	1	75.1	6			167.16	
6	1	51.8	6			597.81	
7	1	79.6	6			397.64	
8	2	60.3	6	1900		520.54	
9	2	85.5	6	1149		597.85	
10	3	79.4	6	1291	1421	306.77	
11	1	80.8	6			531.9	
12	2	90.5	6	1856		731.53	
13	3	75.6	6	1709	1658	478.23	
14	3	70.3	6	1684	1075	571.3	
15	2	84.1	6	1949		293.6	
16	1	65.5	6			450.2	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 4							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	79.6	6	1952	1925	623.71	
2	3	90.8	6	1578	1349	622.94	
3	1	67.3	6			92.51	
4	2	83.8	6	1442		701.13	
5	2	72.2	6	1565		185.02	
6	2	89.1	6	1195		696.78	
7	1	77.8	6			678.39	
8	2	75.4	6	1115		670.74	
9	1	50.4	6			318.44	
10	2	76.9	6	1759		72.25	
11	2	75.7	6	1165		661.74	
12	2	89.6	6	1822		183.85	
13	2	70	6	1017		416.38	
14	3	74.8	6	1365	1200	267.8	
15	1	91.6	6			176.5	
16	2	65.5	6	1226		304.8	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 5							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	99.2	10	1123		23.393	
2	1	52.8	10			487.661	
3	1	57.7	10			437.272	
4	3	57.1	10	1515	1263	577.813	
5	2	51.1	10	1397		217.704	
6	2	67.3	10	1113		385.195	
7	2	53.4	10	1363		593.026	
8	2	51.5	10	1321		454.047	
9	1	86.7	10			0.188	
10	2	91.2	10	1158		582.079	
11	3	61.3	10	1523	1214	580.381	
12	2	69.4	10	1203		595.792	
13	1	56.1	10			383.263	
14	3	83.9	10	1967	1018	83.344	
15	3	99.8	10	1581	1129	622.795	
16	3	84.2	10	1198	1587	287.836	
17	3	80.9	10	1816	1410	218.637	
18	3	89.2	10	1493	1504	530.558	
19	1	92.2	10			623.779	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 6							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	78.1	19	1942		391.792	
2	3	84.1	19	1846	1960	244.311	
3	2	94.4	19	1123		196.092	
4	3	69.2	19	1425	1864	205.593	
5	2	77.3	19	1771		338.524	
6	2	59.1	19	1039		450.295	
7	2	66.8	19	1078		307.416	
8	3	76.5	19	1158	1984	61.627	
9	2	85.8	19	1829		585.278	
10	1	64.6	19			617.919	
11	2	81.7	19	1921		347.411	
12	1	71	19			542.692	
13	1	51	19			444.223	
14	2	65.2	19	1703		150.174	
15	2	93.8	19	1801		113.265	
16	2	74.5	19	1690		132.306	
17	1	79.2	19			471.537	
18	3	50.6	19	1569	1381	611.858	
19	1	70.9	19			383.479	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 7							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	95.8	13	1686		599.488	
2	1	68.2	13			615.998	
3	1	64.1	13			203.605	
4	1	68	13			154.523	
5	2	72.8	13	1526		381.811	
6	3	91.9	13	1898	1780	19.258	
7	3	82.6	13	1152	1130	261.126	
8	3	61.2	13	1825	1677	31.064	
9	3	95	13	1837	1205	430.391	
10	2	81.8	13	1530		535.999	
11	2	78	13	1507		160.916	
12	3	56.5	13	1693	1622	681.104	
13	1	77.7	13			594.312	
14	1	50.3	13			687.279	
15	1	57.3	13			684.747	
16	1	53.2	13			77.465	
17	2	54.1	13	1918		323.682	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 8							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	81.6	16	1711		765.413	
2	3	89.2	16	1854	1938	485.89	
3	3	96.5	16	1998	1174	117.18	
4	3	53	16	1566	1429	127.1	
5	1	96.4	16			766.28	
6	3	83.5	16	1619	1614	975.42	
7	2	97.4	16	1099		331.98	
8	2	90.1	16	1618		889.26	
9	3	92.1	16	1770	1625	252.71	
10	2	78.4	16	1774		296.6	
11	2	98.8	16	1842		797.4	
12	1	97.5	16			48.1	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 9							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	55.2	13	1280		717.014	
2	1	89.5	13			645.507	
3	2	77.3	13	1483		500.064	
4	2	87.6	13	1650		553.871	
5	1	80.3	13			533.369	
6	3	88.3	13	1254	1592	288.006	
7	1	54.1	13			503.133	
8	1	65.1	13			775.64	
9	3	70.6	13	1951	1448	816.417	
10	1	52.8	13			407.594	
11	3	76.5	13	1804	1068	171.001	
12	2	77.5	13	1510		500.339	
13	3	62.5	13	1148	1517	454.586	
14	2	92.3	13	1238		394.643	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 10							
Bursts in Trial: 20							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	99.9	15	1765		318.162	
2	2	87.3	15	1522		587.34	
3	2	63.4	15	1792		272.15	
4	2	68.5	15	1499		240.29	
5	1	66.2	15			382.72	
6	1	84.4	15			282.74	
7	2	65.3	15	1507		300.68	
8	3	79.9	15	1355	1492	357.39	
9	2	95	15	1616		279.05	
10	2	83.3	15	1839		539.56	
11	2	51.3	15	1776		77.33	
12	3	82.3	15	1967	1077	583.89	
13	2	63.9	15	1821		206.17	
14	2	53.9	15	1559		534.89	
15	2	83.4	15	1959		204.14	
16	3	62.7	15	1979	1699	32.84	
17	1	70	15			131.13	
18	1	58.2	15			509.8	
19	1	86.5	15			588.7	
20	2	91.3	15	1577		535.4	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 11							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	69.5	12	1994		493.863	
2	1	81.1	12			584.358	
3	3	96.1	12	1462	1807	96.925	
4	2	62.2	12	1085		668.813	
5	3	94.3	12	1533	1789	526.151	
6	3	51.3	12	1998	1561	499.258	
7	3	68.4	12	1996	1094	71.546	
8	2	61.9	12	1785		520.714	
9	2	73.1	12	1604		165.011	
10	2	84.9	12	1125		364.689	
11	3	52.8	12	1352	1978	585.796	
12	2	78.7	12	1771		25.954	
13	2	95	12	1565		191.842	
14	2	70.4	12	1679		216.449	
15	2	67.7	12	1327		228.547	
16	1	62.6	12			608.165	
17	3	90.9	12	1443	1276	442.882	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 12							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	67.2	18	1875	1581	435.729	
2	2	64.6	18	1226		738.147	
3	2	53.5	18	1024		828.804	
4	2	72.5	18	1850		543.051	
5	2	88.5	18	1929		187.639	
6	2	61.6	18	1069		728.536	
7	3	57.4	18	1725	1754	788.253	
8	2	71.5	18	1290		803.39	
9	2	87.5	18	1341		470.397	
10	2	81.1	18	1081		270.614	
11	1	57	18			847.341	
12	2	65.5	18	1764		491.089	
13	3	94.3	18	1371	1307	779.186	
14	1	74	18			73.643	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 13							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	78	11	1080		95.919	
2	3	66.6	11	1797	1062	432.848	
3	2	56.7	11	1769		289.095	
4	2	83.8	11	1463		253.853	
5	3	98.3	11	1577	1339	626.551	
6	1	56.9	11			647.328	
7	1	50.1	11			377.106	
8	2	84.9	11	1465		26.934	
9	3	81	11	1402	1079	572.851	
10	2	60.4	11	1814		510.029	
11	3	50	11	1448	1178	540.076	
12	2	78.8	11	1870		270.634	
13	2	80.1	11	1704		407.532	
14	3	65.4	11	1403	1866	163.589	
15	3	79.9	11	1585	1314	512.547	
16	3	70.6	11	1630	1765	641.865	
17	1	65.4	11			320.582	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 14							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	52	9	1680		413.361	
2	2	65.7	9	1121		412.808	
3	2	54.4	9	1091		103.505	
4	3	91.9	9	1761	1658	137.783	
5	1	76.4	9			295.421	
6	2	87.6	9	1627		675.198	
7	2	62.6	9	1759		402.706	
8	3	84.1	9	1945	1262	133.024	
9	2	89.8	9	1258		651.221	
10	2	96.7	9	1224		656.709	
11	2	62.9	9	1273		273.356	
12	1	67.6	9			544.964	
13	2	83.6	9	1856		398.522	
14	3	61.2	9	1746	1087	36.899	
15	1	51.3	9			693.047	
16	3	69.8	9	1842	1363	533.065	
17	2	84.4	9	1555		247.382	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 15							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	67.4	15	1298		414.948	
2	1	94.1	15			807.801	
3	2	83.5	15	1040		754.692	
4	3	78	15	1399	1196	388.453	
5	2	81.9	15	1938		405.434	
6	3	58.1	15	1723	1375	638.235	
7	2	95.6	15	1751		454.465	
8	1	66.8	15			687.676	
9	2	84.9	15	1270		535.767	
10	2	53.5	15	1060		27.048	
11	1	59.5	15			41.209	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 16							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	88	15	1814		429.088	
2	3	78.3	15	1510	1683	62.125	
3	3	74.1	15	1429	1241	100.752	
4	1	79.5	15			195.123	
5	1	90.8	15			242.994	
6	3	81.2	15	1334	1199	614.825	
7	2	79.6	15	1785		104.656	
8	1	61.5	15			299.017	
9	3	61.6	15	1488	1937	56.908	
10	3	80.5	15	1986	1073	10.699	
11	2	63.1	15	1446		426.231	
12	2	61.3	15	1114		284.702	
13	2	93.3	15	1185		568.073	
14	2	90.6	15	1868		283.074	
15	2	73.9	15	1304		546.375	
16	2	98.7	15	1812		115.216	
17	2	60.6	15	1588		7.437	
18	1	58.5	15			155.758	
19	3	87.5	15	1430	1590	579.179	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 17							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	70.9	19			77.914	
2	3	62.2	19	1741	1666	33.027	
3	3	81.7	19	1873	1716	924.253	
4	2	92.9	19	1363		204.24	
5	1	97	19			355.947	
6	2	95.9	19	1224		196.083	
7	2	64.1	19	1176		443.6	
8	2	86.4	19	1152		971.467	
9	3	66.9	19	1371	1287	1033.533	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 18							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	93.1	17			635.522	
2	3	50.5	17	1700	1886	334.493	
3	2	72.4	17	1423		146.327	
4	2	94	17	1496		105.09	
5	2	96.6	17	1864		49.503	
6	2	58.2	17	1146		641.257	
7	1	92.1	17			364.89	
8	3	67.4	17	1907	1474	450.863	
9	3	72.9	17	1704	1183	337.457	
10	3	60.1	17	1518	1709	198.15	
11	3	55.9	17	1147	1098	5.073	
12	1	84.4	17			246.307	
13	1	91.6	17			607.26	
14	1	99.2	17			583.983	
15	1	68.6	17			597.417	
16	1	84.6	17			193.8	
17	2	99.1	17	1903		104.333	
18	2	98.9	17	1226		599.267	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 21							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	63.7	7	1405	1377	340.332	
2	2	83.2	7	1292		303.89	
3	1	76	7			314.28	
4	2	75	7	1982		239.55	
5	2	88.6	7	1814		628.83	
6	1	57.3	7			392.95	
7	1	90	7			559.52	
8	3	74.7	7	1942	1185	170.55	
9	2	56.8	7	1897		305.9	
10	3	59	7	1990	1932	257.8	
11	1	89.4	7			326.02	
12	2	84.2	7	1817		618.85	
13	3	71.2	7	1403	1789	741.02	
14	2	73.3	7	1007		167.36	
15	2	87.3	7	1908		523.1	
16	2	76.2	7	1773		725.6	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 22							
Bursts in Trial: 20							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	69.4	8	1737	1981	164.368	
2	2	80.2	8	1451		10.449	
3	1	93.3	8			355.54	
4	2	74.4	8	1769		154.21	
5	1	80.7	8			234.3	
6	1	95.4	8			105.84	
7	2	63.8	8	1245		228.82	
8	3	90.5	8	1789	1236	261.76	
9	2	62.5	8	1438		97.83	
10	3	59.5	8	1105	1048	116.96	
11	3	89.5	8	1653	1941	358.53	
12	1	78.4	8			47.06	
13	1	71.8	8			490.48	
14	3	86.7	8	1514	1622	288.09	
15	3	71.9	8	1630	1619	389.28	
16	2	98.4	8	1910		585.59	
17	3	67.5	8	1550	1919	465.2	
18	1	80.2	8			339.6	
19	3	70.6	8	1400	1273	434.3	
20	2	58.5	8	1621		434.3	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 23							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	76.1	18	1429		4.329	
2	2	50	18	1209		140.086	
3	2	57.8	18	1376		702.44	
4	3	97.7	18	1922	1272	372.5	
5	1	54.1	18			591.56	
6	3	86.1	18	1237	1942	19.71	
7	3	82.3	18	1905	1300	167.63	
8	1	97.1	18			478.61	
9	2	75.1	18	1912		102.3	
10	2	57.8	18	1006		705.85	
11	2	79.8	18	1884		253.89	
12	2	85.2	18	1451		661.65	
13	2	90.3	18	1469		452.47	
14	2	66.6	18	1039		98.99	
15	1	57.5	18			40.9	
16	2	97.1	18	1675		202.2	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 24							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	64.5	10	1768	1378	647.379	
2	2	66.4	10	1485		224.331	
3	2	65.6	10	1871		748.622	
4	2	86.5	10	1838		916.703	
5	1	92.8	10			316.774	
6	3	98.8	10	1924	1466	124.105	
7	2	71.1	10	1313		352.415	
8	3	95.9	10	1866	1373	662.106	
9	2	83.6	10	1789		374.007	
10	1	77.8	10			115.528	
11	2	56.7	10	1333		113.009	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 25							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	92.9	13			510.998	
2	3	92.5	13	1249	1934	436.841	
3	1	51.8	13			17.572	
4	3	75	13	1840	1667	459.983	
5	3	57.7	13	1779	1336	556.424	
6	2	96.9	13	1970		411.245	
7	2	95.5	13	1044		317.566	
8	2	83.9	13	1346		456.517	
9	2	84.2	13	1512		327.358	
10	2	67.1	13	1137		382.279	
11	2	63.7	13	1692		458.841	
12	1	63.3	13			190.442	
13	3	83.2	13	1141	1226	235.583	
14	3	97.3	13	1664	1991	439.134	
15	2	61	13	1384		533.805	
16	1	99.1	13			491.296	
17	3	82.5	13	1502	1048	207.337	
18	1	67.4	13			402.058	
19	1	94.9	13			576.679	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 26							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	65.9	7	1072		275.608	
2	2	83.5	7	1232		6.537	
3	3	99.8	7	1399	1581	116.892	
4	1	88.4	7			7.363	
5	2	74.1	7	1347		77.934	
6	1	95.9	7			157.465	
7	2	52	7	1573		57.446	
8	1	92.4	7			557.367	
9	1	75.7	7			406.428	
10	2	52.9	7	1434		244.489	
11	1	90.8	7			412.121	
12	2	68	7	1215		267.912	
13	3	89	7	1732	1806	326.323	
14	3	60.1	7	1479	1891	165.364	
15	3	88.6	7	1927	1690	321.205	
16	1	58.4	7			4.996	
17	3	96.4	7	1125	1820	573.037	
18	3	77.9	7	1747	1875	81.058	
19	2	52.4	7	1786		213.679	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 27							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	76.3	13	1064	1437	347.914	
2	1	60.7	13			87.676	
3	2	65.2	13	1068		300.294	
4	2	94.3	13	1706		90.661	
5	2	51.9	13	1610		292.759	
6	2	67.2	13	1870		301.776	
7	2	71.8	13	1145		361.613	
8	2	52.4	13	1990		664.85	
9	3	65.4	13	1068	1768	695.517	
10	2	86.4	13	1733		434.944	
11	3	99.1	13	1430	1779	30.871	
12	3	53.9	13	1377	1089	14.069	
13	3	90.5	13	1635	1007	408.386	
14	1	64.5	13			387.743	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 28							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	54.1	16	1140		280.003	
2	2	76.9	16	1495		592.533	
3	3	58.2	16	1030	1095	778.116	
4	3	60.7	16	1047	1646	605.149	
5	2	59.8	16	1325		836.942	
6	2	55.4	16	1708		28.215	
7	1	92.5	16			768.588	
8	1	60.8	16			75.812	
9	2	65.2	16	1387		327.425	
10	1	71	16			756.438	
11	3	90.9	16	1704	1694	47.491	
12	2	68.2	16	1199		210.754	
13	2	52.5	16	1740		245.277	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 29							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	98.3	11			184.144	
2	2	78.4	11	1201		182.055	
3	1	56.9	11			110.605	
4	2	71.6	11	1476		304.593	
5	3	87.9	11	1817	1534	480.611	
6	3	94.2	11	1544	1147	476.498	
7	3	61.4	11	1466	1826	277.266	
8	1	77.7	11			563.434	
9	2	71	11	1902		374.501	
10	3	66.6	11	1483	1820	692.879	
11	2	55.9	11	1763		687.566	
12	2	97.5	11	1507		205.534	
13	2	50.7	11	1215		30.272	
14	3	58.3	11	1897	1979	95.129	
15	2	50.2	11	1629		331.747	
16	2	95.1	11	1716		553.565	
17	2	98.7	11	1457		534.882	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 30							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	63	18	1219		1147.17	
2	2	56.7	18	1136		41.627	
3	1	55	18			1233.773	
4	2	79.7	18	1770		859.27	
5	3	74.8	18	1154	1243	603.177	
6	2	91.4	18	1949		404.933	
7	2	80.2	18	1804		1281.42	
8	1	62.9	18			1086.167	
9	2	90.4	18	1007		759.133	

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	

2	y
3	y
4	y
5	y
6	y
7	y
8	y
9	y
10	y
11	y
12	y
13	y
14	y
15	y
16	y
17	y
18	y
19	y
20	y
21	y
22	y
23	y
24	y
25	y
26	y
27	y
28	y
29	y
30	y

Detection Probability: 100%

80MHz

RADAR TYPE 1				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	61	1	868	y
2	43	1	1233	y
3	41	1	1302	y
4	19	1	2812	y
5	22	1	2440	y

6	57	1	932	y
7	18	1	2987	y
8	19	1	2903	n
9	19	1	2861	y
10	20	1	2738	y
11	40	1	1351	y
12	45	1	1180	y
13	38	1	1402	y
14	46	1	1162	y
15	18	1	3004	y
16	39	1	1377	y
17	40	1	1338	y
18	31	1	1712	y
19	20	1	2644	y
20	18	1	3056	y
21	37	1	1462	y
22	22	1	2507	y
23	40	1	1323	y
24	69	1	770	y
25	18	1	3041	y
26	44	1	1204	n
27	18	1	2968	y
28	37	1	1460	y
29	64	1	829	y
30	32	1	1672	y

Detection Probability: 93%

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	25	1.5	205	y
2	26	3.4	210	y
3	26	1.3	171	y
4	26	2.1	192	y
5	23	2.1	165	y
6	28	4.7	215	y
7	23	1.2	210	y
8	24	3.2	156	y
9	27	4.5	185	y
10	29	3	215	y
11	28	3.9	204	y

12	24	3.6	151	y
13	29	1.2	225	y
14	28	1.6	155	y
15	28	3	166	y
16	26	2.9	165	y
17	28	2.6	180	y
18	28	3.7	210	y
19	28	4.9	163	y
20	25	1.8	172	y
21	25	2.4	180	y
22	29	4.7	174	y
23	29	2.2	187	y
24	28	3.5	168	y
25	28	2.1	157	y
26	28	4.6	187	y
27	26	4.7	195	y
28	24	1.6	185	y
29	28	2.4	228	y
30	26	3.3	224	y

Detection Probability: 100%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	17	6.4	204	y
2	17	6	387	y
3	18	9.7	354	y
4	17	9.9	372	y
5	17	9.6	221	y
6	17	7.3	386	y
7	16	9.1	210	y
8	16	6.5	340	y
9	18	7	284	y
10	17	6.3	359	n
11	16	9.4	458	y
12	17	8.7	285	y
13	18	7.6	210	n
14	18	8.5	386	y
15	18	7.1	222	y
16	17	9.4	242	y
17	18	7.3	200	y
18	18	7	319	y

19	17	9.7	464	y
20	17	7.2	479	y
21	17	9.6	252	y
22	16	7.7	410	y
23	17	8.5	340	y
24	16	7.5	467	y
25	16	6.9	217	y
26	16	9.1	478	y
27	17	7.9	472	y
28	17	9.5	414	n
29	17	9	273	n
30	18	7.3	329	y

Detection Probability: 87%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	16	18.3	319	y
2	13	15.9	300	y
3	15	16.1	246	y
4	14	19.6	384	y
5	13	18.5	216	y
6	12	12.6	319	y
7	15	16.1	333	y
8	13	19.6	264	y
9	14	16.7	272	y
10	15	11.9	363	y
11	14	15.8	224	y
12	14	19.3	427	y
13	12	13.3	216	y
14	15	17.6	448	y
15	14	17.1	390	n
16	13	14.1	271	y
17	16	16.5	310	y
18	15	16.8	241	y
19	13	16.8	230	y
20	14	12.8	213	y
21	14	13.4	475	y
22	13	16.9	442	y
23	12	15.8	284	y
24	15	15.5	342	y
25	12	11.9	353	y

26	15	15.8	266	n
27	14	13.3	212	y
28	15	12	419	y
29	15	12.1	387	n
30	12	19.7	302	y

Detection Probability: 90%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	19	1	5500
2	y	18	1	5500
3	y	8	1	5500
4	y	16	1	5500
5	y	9	1	5500
6	y	11	1	5500
7	n	15	1	5500
8	y	17	1	5500
9	y	15	1	5500
10	y	13	1	5500
11	y	15	2	5497
12	y	19	2	5498.6
13	y	10	2	5495
14	n	10	2	5495
15	y	11	2	5495.4
16	y	10	2	5495
17	y	17	2	5497.8
18	y	6	2	5493.4
19	y	8	2	5494.2
20	y	17	2	5497.8
21	y	11	3	5504.6
22	y	16	3	5502.6
23	y	16	3	5502.6
24	y	13	3	5503.8
25	y	6	3	5506.6
26	y	18	3	5501.8
27	y	13	3	5503.8
28	y	17	3	5502.2
29	y	14	3	5503.4
30	n	13	3	5503.8

Detection Probability: 90%

Type 5 Radar Parameters

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 1							
Bursts in Trial: 8							
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)	
1	1	99.9	19			21.598	
2	2	53.5	19	1345		161.55	
3	3	97.7	19	1827	1016	264.77	
4	3	75.5	19	1729	1490	444.08	
5	2	65.1	19	1687		307.54	
6	2	69.4	19	1121		1253.2	
7	1	95.3	19			1126.7	
8	3	58.3	19	1714	1017	930.9	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 2							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (μsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)	
1	2	78.2	18	1343		154.122	
2	1	78.2	18			407.77	
3	1	94.1	18			1017.18	
4	2	56.7	18	1774		203.32	
5	1	91.7	18			471.91	
6	2	50.4	18	1981		243.64	
7	2	56.9	18	1433		597.75	
8	3	88.7	18	1799	1970	306.36	
9	1	88.5	18			1041	
10	2	71.4	18	1615		472.5	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 3							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	72.6	8	1387		197.748	
2	2	67.1	8	1807		704.487	
3	1	59.3	8			754.024	
4	1	50.7	8			708.861	
5	2	78.5	8	1653		58.409	
6	1	51	8			283.856	
7	2	71.9	8	1460		293.473	
8	2	65.6	8	1343		552.64	
9	2	55.7	8	1284		250.927	
10	2	82.1	8	1349		726.064	
11	1	87.9	8			465.191	
12	1	85.5	8			492.719	
13	2	84.8	8	1848		307.486	
14	2	71.7	8	1841		151.443	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 4							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	66.7	16	1124	1164	219.919	
2	2	94.9	16	1588		549.273	
3	1	82.7	16			596.557	
4	2	50.9	16	1749		608.82	
5	2	51.7	16	1875		135.223	
6	1	83.9	16			327.057	
7	2	62.6	16	1547		590.82	
8	1	93.8	16			602.623	
9	2	76.5	16	1986		235.347	
10	3	65.6	16	1690	1860	294.38	
11	2	59.3	16	1540		412.303	
12	3	60	16	1904	1472	458.277	
13	1	76.9	16			137.73	
14	3	77	16	1524	1570	564.603	
15	2	69.2	16	1479		76.787	
16	2	86.3	16	1973		270.7	
17	1	70.8	16			545.433	
18	2	64.4	16	1209		141.467	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 5							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	77.1	9	1180	1238	814.99	
2	2	86	9	1870		119.68	
3	1	52.9	9			163.48	
4	2	77.4	9	1291		887.07	
5	2	96.1	9	1976		350.48	
6	2	53.8	9	1851		715.43	
7	3	66.5	9	1010	1159	218.37	
8	2	63.7	9	1783		383.25	
9	2	55.8	9	1521		509.03	
10	1	61.3	9			494.1	
11	1	82.4	9			334.2	
12	1	97.5	9			843.4	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 6							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	53.5	11	1052	1225	925.782	
2	2	56.5	11	1001		927.697	
3	2	80.9	11	1424		452.963	
4	2	98.9	11	1364		1326.45	
5	2	69.7	11	1275		29.817	
6	1	76.7	11			168.913	
7	1	85.4	11			1113.3	
8	1	76.4	11			243.827	
9	2	92.7	11	1195		820.933	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 7							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	91.1	15	1320	1295	553.904	
2	2	85.3	15	1203		431.94	
3	3	77.2	15	1871	1344	212.31	
4	1	60.1	15			716.52	
5	3	85.1	15	1916	1306	504.87	
6	2	55.7	15	1998		589.82	
7	2	84.9	15	1400		197.85	
8	3	87.1	15	1383	1245	731.46	
9	2	50.5	15	1432		40.67	
10	3	50.5	15	1743	1416	429.84	
11	3	64.5	15	1634	1064	339.06	
12	2	97	15	1361		0.52	
13	2	57.3	15	1859		662.56	
14	2	57.8	15	1152		334.9	
15	2	78.2	15	1499		395	
16	3	80.6	15	1964	1308	520	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 8							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	55.8	17			632.089	
2	3	86.7	17	1060	1491	714.8	
3	3	72.9	17	1375	1940	49.1	
4	2	68.3	17	1054		251.56	
5	2	89.7	17	1399		992.47	
6	1	81.1	17			505.87	
7	2	67.2	17	1658		919.83	
8	2	54.3	17	1476		594.95	
9	2	51.9	17	1002		160.64	
10	2	66.8	17	1230		130.34	
11	1	71.6	17			512.4	
12	1	73.1	17			500.3	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 9							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	76.8	15	1463		76.995	
2	2	78.9	15	1835		496.221	
3	2	96.8	15	1514		440.242	
4	1	62.3	15			60.993	
5	3	87.8	15	1900	1045	368.674	
6	1	71.7	15			264.515	
7	2	63.7	15	1601		32.956	
8	2	92.6	15	1611		470.557	
9	2	83.4	15	1704		124.428	
10	3	64	15	1967	1954	111.819	
11	2	81.9	15	1465		282.851	
12	2	96.6	15	1007		213.862	
13	1	80.6	15			394.633	
14	2	81.6	15	1943		11.794	
15	3	54.1	15	1702	1778	315.675	
16	1	80.1	15			82.946	
17	1	70.1	15			102.737	
18	1	80.3	15			44.958	
19	2	76.6	15	1471		400.379	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 10							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	82.1	13	1420		577.966	
2	2	71.9	13	1737		162.583	
3	2	53.4	13	1336		186.006	
4	2	94.9	13	1366		821.589	
5	2	77.8	13	1698		481.052	
6	2	68.1	13	1386		537.655	
7	1	88.9	13			675.378	
8	3	55.8	13	1922	1798	163.462	
9	2	57.6	13	1060		130.895	
10	3	86.2	13	1110	1597	369.958	
11	2	96.1	13	1864		433.251	
12	1	74.9	13			117.454	
13	1	84.1	13			323.277	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 11							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	80.9	15	1838		301.681	
2	2	81.5	15	1957		339.725	
3	2	58.2	15	1771		47.632	
4	1	84.8	15			464.183	
5	2	52.2	15	1691		601.374	
6	2	65.6	15	1220		422.435	
7	1	60	15			175.276	
8	3	64.2	15	1230	1258	152.157	
9	1	70.3	15			34.778	
10	2	54.9	15	1834		295.029	
11	3	64.3	15	1473	1223	296.511	
12	2	99.4	15	1948		127.362	
13	1	57.9	15			474.263	
14	2	70.1	15	1735		571.464	
15	2	61	15	1949		119.875	
16	2	51.5	15	1989		486.196	
17	2	91.4	15	1784		286.237	
18	1	99.3	15			454.158	
19	2	71.4	15	1248		177.779	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 12							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	79.4	19	1340		738.852	
2	3	93.4	19	1943	1741	443.267	
3	2	52.3	19	1843		573.934	
4	2	89.2	19	1528		122.791	
5	2	91.1	19	1075		196.319	
6	2	50.2	19	1241		528.346	
7	3	89.5	19	1622	1873	135.963	
8	2	67.4	19	1854		800.87	
9	1	57.4	19			17.077	
10	2	72.2	19	1910		290.844	
11	2	88.2	19	1224		522.971	
12	2	94.6	19	1793		538.749	
13	1	97.7	19			390.286	
14	2	80.4	19	1294		686.843	

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 13						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	79.8	10	1821	1653	204.03
2	2	75.9	10	1597		352.417
3	3	82.8	10	1454	1574	116.703
4	3	61.4	10	1425	1632	560.91
5	2	71.2	10	1171		430.247
6	2	58.7	10	1410		781.953
7	3	96.9	10	1045	1610	342.28
8	1	53.2	10			729.967
9	1	84.5	10			1196.333

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 14						
Bursts in Trial: 11						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	2	87.1	10	1532		8.244
2	1	97.6	10			616.541
3	2	82.3	10	1517		611.972
4	2	82.3	10	1126		396.123
5	1	73	10			555.834
6	3	91.2	10	1560	1296	573.095
7	1	93.4	10			997.455
8	1	76.9	10			412.316
9	2	75.5	10	1736		476.077
10	2	63.5	10	1912		812.318
11	1	88	10			573.309

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 15						
Bursts in Trial: 14						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	58.8	11			631.804
2	2	94.6	11	1833		388.767
3	3	72.3	11	1399	1293	294.474
4	3	72.8	11	1509	1948	742.111
5	3	75.8	11	1626	1459	332.349
6	3	54.4	11	1177	1155	259.346
7	2	52.8	11	1096		58.053
8	3	80.4	11	1031	1732	356.84
9	3	75.6	11	1269	1726	378.817
10	2	83.2	11	1363		844.174
11	2	76	11	1867		424.571
12	2	85	11	1881		570.239
13	2	77.6	11	1579		107.986
14	3	92.2	11	1207	1020	6.243

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 16						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	70.3	10			193.833
2	2	68.9	10	1068		354.85
3	3	79.6	10	1707	1466	900.6
4	1	63	10			498.87
5	2	72.6	10	1535		643.41
6	1	54.1	10			1180.13
7	2	98.8	10	1297		1175.23
8	2	97.2	10	1879		483.16
9	2	96.1	10	1228		707.9
10	2	69.8	10	1398		487.4

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 17							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	68	17	1609		290.028	
2	2	88.6	17	1378		158.861	
3	1	78	17			603.827	
4	1	83.2	17			293.13	
5	2	85.6	17	1836		141.823	
6	3	78.7	17	1519	1597	40.147	
7	3	62.5	17	1406	1124	334.85	
8	2	88.2	17	1197		364.233	
9	3	97.6	17	1317	1328	296.117	
10	2	88.4	17	1728		349.52	
11	3	77.3	17	1111	1049	571.593	
12	3	94.4	17	1965	1421	14.757	
13	2	66.4	17	1324		654.22	
14	1	93.5	17			89.323	
15	2	75.8	17	1256		348.327	
16	1	84.4	17			126.2	
17	2	53.3	17	1929		160.833	
18	3	65.7	17	1287	1241	516.867	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 18							
Bursts in Trial: 15							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	95.9	6	1243		434.765	
2	2	66.5	6	1622		375.91	
3	2	62.5	6	1791		584.71	
4	1	87.5	6			399.71	
5	2	83.9	6	1162		131.8	
6	2	98.4	6	1028		740.8	
7	2	84.1	6	1305		564.47	
8	2	55.8	6	1654		589.33	
9	2	60.9	6	1036		731.08	
10	3	88.6	6	1820	1263	529.32	
11	2	81.1	6	1664		103.45	
12	2	92	6	1779		724.44	
13	2	67.3	6	1222		371.97	
14	2	79.6	6	1363		33.1	
15	1	90.6	6			454.2	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 19							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	87.8	8			752.885	
2	2	68.6	8	1259		1190.02	
3	1	95.9	8			877.6	
4	3	97.7	8	1530	1859	1010.03	
5	3	88.3	8	1899	1261	428.2	
6	3	80.5	8	1504	1311	1172.13	
7	2	59.2	8	1849		953.21	
8	2	85	8	1958		642.15	
9	2	66.6	8	1473		713.4	
10	2	86.1	8	1036		670.2	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 20							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	61.8	17	1195		225.577	
2	2	76.5	17	1223		925.35	
3	2	74.8	17	1649		326.64	
4	3	89.4	17	1357	1648	792.23	
5	3	64.3	17	1170	1287	471.67	
6	2	62.4	17	1016		66.09	
7	3	81.8	17	1233	1758	478.88	
8	2	70.7	17	1819		365.53	
9	3	86.2	17	1172	1366	885.9	
10	1	81.8	17			378.7	

TYPE 5 PARAMETER SHEET						
						Rohde & Schwarz Pulse Sequencer
Trial Number : 21						
Bursts in Trial: 9						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	58.4	11			894.401
2	2	80.2	11	1094		842.907
3	3	65.3	11	1843	1474	1010.773
4	1	78.9	11			278.19
5	2	73.4	11	1814		265.537
6	3	66.6	11	1686	1531	424.463
7	3	62.3	11	1891	1424	910.59
8	3	98.3	11	1319	1306	611.257
9	3	53.9	11	1701	1413	2.433

TYPE 5 PARAMETER SHEET						
						Rohde & Schwarz Pulse Sequencer
Trial Number : 22						
Bursts in Trial: 14						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	1	69.1	16			80.556
2	2	65.9	16	1504		619.237
3	3	61.7	16	1987	1221	311.544
4	2	93.9	16	1469		334.401
5	2	74.2	16	1095		570.149
6	2	75.4	16	1597		219.506
7	2	66.8	16	1136		626.843
8	2	97.5	16	1771		726.89
9	3	94.1	16	1101	1882	175.527
10	2	65.4	16	1007		206.224
11	2	75.4	16	1649		325.941
12	3	67.8	16	1884	1738	417.759
13	3	83.2	16	1029	1580	621.386
14	1	55.5	16			332.643

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 23							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	58.2	16			575.079	
2	3	77.2	16	1555	1072	237.073	
3	1	58.6	16			76.365	
4	3	56.6	16	1802	1014	492.353	
5	1	95.6	16			362.771	
6	1	95.6	16			173.658	
7	2	53	16	1279		697.756	
8	2	73.5	16	1114		530.004	
9	2	97.4	16	1661		149.511	
10	2	76.7	16	1104		137.839	
11	2	67.4	16	1062		188.536	
12	2	89.4	16	1339		59.784	
13	3	61.8	16	1228	1245	19.622	
14	2	81.5	16	1488		238.949	
15	2	56.9	16	1304		182.147	
16	3	55.6	16	1916	1071	562.165	
17	3	79.1	16	1958	1758	20.782	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 24							
Bursts in Trial: 8							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	74.8	13	1234		441.017	
2	2	51.1	13	1551		250.27	
3	2	74.8	13	1450		693.38	
4	2	79.7	13	1790		408.91	
5	2	85.8	13	1783		267.23	
6	1	50.9	13			1150.44	
7	2	67.1	13	1115		865.1	
8	2	65.5	13	1395		1436.8	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 25							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	77	6	1025		90.402	
2	3	63.2	6	1641	1581	289.41	
3	2	92.4	6	1778		132.32	
4	3	68.4	6	1665	1493	504.57	
5	2	60.1	6	1414		190.46	
6	2	64.1	6	1182		94.62	
7	1	96.8	6			530.76	
8	2	70.2	6	1745		402.77	
9	2	96.6	6	1978		119.36	
10	2	89	6	1520		9.24	
11	2	59.2	6	1731		611.53	
12	2	56.8	6	1218		586.17	
13	1	92.9	6			399.74	
14	2	64.7	6	1833		446.3	
15	2	96.2	6	1729		264.5	
16	1	82.5	6			124.6	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 26							
Bursts in Trial: 17							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	55.9	18			460.264	
2	2	93.5	18	1804		201.182	
3	1	98.2	18			130.725	
4	3	81.3	18	1756	1768	413.123	
5	2	89.6	18	1170		451.011	
6	3	60.7	18	1542	1689	203.678	
7	2	86.7	18	1847		113.026	
8	1	72.6	18			445.124	
9	2	58.9	18	1557		367.291	
10	1	74.4	18			604.509	
11	3	53.8	18	1694	1530	440.166	
12	2	87.4	18	1545		147.384	
13	2	59	18	1950		486.982	
14	2	95.2	18	1492		389.299	
15	2	68.6	18	1189		410.347	
16	1	97.9	18			5.165	
17	2	78.3	18	1554		268.682	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 27							
Bursts in Trial: 9							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	81	13	1232		193.605	
2	2	63.7	13	1148		1269.317	
3	3	83.4	13	1730	1977	872.113	
4	2	84.3	13	1883		633.76	
5	2	92.2	13	1089		168.117	
6	3	80.2	13	1684	1998	170.933	
7	2	74.3	13	1526		66.47	
8	1	82.2	13			666.867	
9	2	59.3	13	1568		511.033	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 28							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	99.7	17			775.274	
2	2	58.7	17	1898		968.24	
3	2	85.5	17	1551		161.64	
4	2	83.4	17	1383		67.06	
5	2	58.3	17	1129		740.18	
6	2	87.2	17	1752		256.97	
7	1	91.5	17			243.76	
8	2	71	17	1305		623.29	
9	2	75.9	17	1615		700.1	
10	3	64.6	17	1414	1588	458.5	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 29							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	87.7	14	1955		195.866	
2	1	57.3	14			31.424	
3	2	90.8	14	1423		104.336	
4	3	66.3	14	1076	1080	718.299	
5	3	56.9	14	1277	1120	103.632	
6	3	58.9	14	1393	1349	107.145	
7	3	87.7	14	1521	1707	867.348	
8	3	93.3	14	1438	1345	889.962	
9	1	56.4	14			48.535	
10	2	84.3	14	1601		512.898	
11	3	70.9	14	1004	1766	786.831	
12	2	82	14	1461		349.954	
13	2	61.4	14	1049		793.177	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 30							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	99.9	13			1010.36	
2	2	75.9	13	1242		354.721	
3	2	58.3	13	1522		557.582	
4	2	74.4	13	1580		742.793	
5	3	55.3	13	1555	1232	351.254	
6	2	79.3	13	1622		948.845	
7	3	92	13	1066	1288	872.665	
8	3	75.5	13	1166	1537	100.046	
9	1	95.6	13			748.507	
10	2	76.2	13	1649		63.058	
11	3	93.8	13	1297	1531	406.909	

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	

1	y
2	y
3	y
4	y
5	y
6	y
7	n
8	y
9	y
10	y
11	y
12	y
13	y
14	y
15	y
16	y
17	y
18	y
19	y
20	y
21	y
22	y
23	y
24	y
25	y
26	y
27	y
28	y
29	y
30	y

Detection Probability: 100%

160MHz

RADAR TYPE 2				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	29	2.1	180	y
2	25	3.6	192	y
3	28	3.4	213	y
4	29	3	179	y
5	24	1.5	170	y

6	29	4.3	160	y
7	25	3.5	162	y
8	27	3.2	189	y
9	26	1.6	183	y
10	27	2	167	y
11	25	2.2	152	y
12	27	4.7	208	y
13	24	1.2	186	y
14	25	4.4	223	y
15	28	1.7	153	y
16	23	2.6	154	n
17	25	3	155	y
18	28	4.7	208	y
19	26	1.9	161	y
20	25	1.2	175	y
21	23	4.7	219	y
22	29	3.9	223	n
23	27	2.1	201	y
24	25	1.9	162	y
25	28	4.6	170	y
26	26	2.2	207	y
27	27	3.5	157	n
28	25	3.5	225	y
29	26	3.9	211	y
30	28	4.6	215	y

Detection Probability: 90%

RADAR TYPE 3				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	18	6.1	369	y
2	18	7.9	306	y
3	17	6.2	469	y
4	17	8.9	346	y
5	16	6.3	337	n
6	17	6.8	338	y
7	17	6.4	359	y
8	16	8.7	499	y
9	17	6.2	226	y
10	16	7.7	254	y
11	17	8.4	361	y

12	17	6.7	388	y
13	18	9.4	468	y
14	17	6.5	410	y
15	18	8	297	y
16	18	7.6	246	y
17	18	9.2	264	n
18	16	6.5	359	y
19	18	6.3	279	y
20	16	8.4	315	y
21	17	8.3	327	y
22	16	8.3	291	y
23	17	7.3	349	y
24	16	8.6	380	y
25	18	6.2	464	y
26	16	6.9	275	y
27	17	6.6	261	y
28	17	6	313	y
29	16	7.6	383	y
30	17	9.5	413	y

Detection Probability: 93%

RADAR TYPE 4				Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Number of Pulses per Burst	Pulse Width (µsec)	PRI (µs)	Detection (yes/no)
1	15	18.9	351	y
2	15	14.6	367	y
3	12	12.3	311	y
4	14	13.1	483	y
5	15	17.5	230	y
6	16	19.3	351	y
7	14	18	374	y
8	15	17.1	374	y
9	14	11.8	333	y
10	14	13.2	215	y
11	14	15.3	261	n
12	15	15	319	y
13	13	17.8	294	y
14	15	14.5	493	y
15	16	16.5	472	y
16	13	13.1	308	y
17	15	15.3	433	n

18	13	15.6	201	y
19	14	14.5	340	n
20	15	16.9	262	y
21	13	16.4	316	y
22	16	17.2	267	y
23	13	11.5	209	n
24	15	18.4	282	y
25	15	18.7	301	y
26	13	12.5	200	y
27	14	19.4	393	y
28	12	11.1	489	y
29	14	19.4	334	y
30	16	16.8	284	n

Detection Probability: 83%

TYPE 5		Rohde & Schwarz K350 Pulse Sequencer DFS		
Trial #	Detection (yes/no)	Chirp Width (MHz)	Subset	Fc
1	y	10	1	5500
2	y	15	1	5500
3	y	12	1	5500
4	y	15	1	5500
5	y	13	1	5500
6	y	17	1	5500
7	y	5	1	5500
8	y	9	1	5500
9	y	7	1	5500
10	y	7	1	5500
11	y	14	2	5496.6
12	y	10	2	5495
13	y	5	2	5493
14	y	12	2	5495.8
15	y	13	2	5496.2
16	y	12	2	5495.8
17	y	14	2	5496.6
18	n	19	2	5498.6
19	n	19	2	5498.6
20	y	18	2	5498.2
21	y	9	3	5505.4
22	n	14	3	5503.4
23	y	12	3	5504.2
24	y	15	3	5503

25	y	10	3	5505
26	n	14	3	5503.4
27	y	9	3	5505.4
28	n	15	3	5503
29	y	17	3	5502.2
30	y	16	3	5502.6

Detection Probability: 87%

Type 5 Radar Parameters

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 1							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	76	6	1656	1728	103.102	
2	3	99.7	6	1599	1113	295.29	
3	1	90.3	6			301.302	
4	3	94	6	1180	1457	564.263	
5	2	62.9	6	1453		193.704	
6	2	80.5	6	1921		235.565	
7	1	53.8	6			402.846	
8	1	52.4	6			166.677	
9	3	77.4	6	1199	1969	622.818	
10	2	71.2	6	1856		394.179	
11	3	51	6	1127	1754	158.241	
12	3	80.3	6	1955	1157	211.532	
13	3	85.4	6	1657	1993	586.733	
14	2	83.7	6	1002		165.354	
15	3	97	6	1635	1783	479.385	
16	3	76.8	6	1830	1279	474.106	
17	1	92	6			400.937	
18	3	58.4	6	1883	1479	22.658	
19	1	69.5	6			457.879	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 2							
Bursts in Trial: 15							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	88.9	19	1182		731.52	
2	2	71.2	19	1713		115.572	
3	3	84	19	1490	1215	271.61	
4	2	98.2	19	1692		160.49	
5	2	99.6	19	1247		361.22	
6	2	51	19	1648		152.17	
7	1	80.2	19			127.95	
8	2	60	19	1639		393	
9	2	95.6	19	1961		636.38	
10	2	72.9	19	1464		506.6	
11	2	71.7	19	1595		566.28	
12	2	86.6	19	1319		167.5	
13	2	61.4	19	1526		100.86	
14	3	93.7	19	1800	1063	639.3	
15	1	69.1	19			676.5	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 3							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	87	7	1754	1465	298.055	
2	2	54.8	7	1025		1.1	
3	3	53.2	7	1191	1619	117.687	
4	2	51.9	7	1310		611.96	
5	1	95.1	7			399.483	
6	2	50.9	7	1838		573.377	
7	2	56.2	7	1087		435.04	
8	2	72.8	7	1047		349.783	
9	1	89.3	7			216.797	
10	3	64.2	7	1487	1459	462.29	
11	2	78.6	7	1332		562.773	
12	3	77.9	7	1712	1424	304.657	
13	3	71.3	7	1283	1670	590.98	
14	2	75.4	7	1882		123.633	
15	2	72.8	7	1326		130.907	
16	3	98.3	7	1396	1368	441.7	
17	3	62.2	7	1487	1069	485.133	
18	3	62.8	7	1702	1061	483.967	

TYPE 5 PARAMETER SHEET						
						Rohde & Schwarz Pulse Sequencer
Trial Number : 4						
Bursts in Trial: 10						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	64.7	10	1475	1336	139.737
2	2	89.7	10	1472		584.46
3	3	98.1	10	1926	1405	919.01
4	3	94.2	10	1226	1220	398.92
5	1	87.3	10			87.57
6	1	81.1	10			74.48
7	3	76	10	1924	1833	976.5
8	2	69.8	10	1887		576.64
9	2	76.9	10	1852		361
10	2	64.4	10	1073		55.9

TYPE 5 PARAMETER SHEET						
						Rohde & Schwarz Pulse Sequencer
Trial Number : 5						
Bursts in Trial: 20						
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)
1	3	68.3	18	1344	1147	393.273
2	1	69.4	18			309.182
3	2	79.1	18	1819		507.29
4	3	58.3	18	1321	1305	481.86
5	2	96.5	18	1912		89.21
6	2	70.1	18	1283		307.45
7	2	68.6	18	1525		247.29
8	2	61.3	18	1348		572.55
9	3	80	18	1287	1820	566.33
10	2	54.6	18	1984		268.04
11	1	59.6	18			93.49
12	3	50.5	18	1637	1960	172.33
13	1	89.8	18			421.5
14	1	87.1	18			206.26
15	1	96.8	18			568.47
16	2	60.1	18	1479		173
17	2	84.6	18	1204		335.78
18	1	88.4	18			211.8
19	2	69.9	18	1679		405.1
20	3	94.5	18	1656	1784	558.3

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 6							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	61.4	14	1004		64.843	
2	2	86.6	14	1756		123.701	
3	2	99.3	14	1709		670.352	
4	3	50.1	14	1886	1409	461.043	
5	1	74	14			36.634	
6	2	52.9	14	1777		397.295	
7	2	69.6	14	1027		428.555	
8	1	67.8	14			761.146	
9	1	64.8	14			854.637	
10	2	75.6	14	1303		59.058	
11	2	61.3	14	1154		522.909	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 7							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	86.1	19			742.637	
2	2	56.2	19	1864		282.147	
3	1	60.8	19			145.754	
4	2	82.4	19	1508		656.811	
5	3	72.6	19	1075	1958	130.709	
6	3	87.4	19	1501	1054	42.686	
7	3	73	19	1971	1168	381.983	
8	2	87.9	19	1419		846.14	
9	3	82.3	19	1935	1649	430.637	
10	3	96.1	19	1816	1549	517.494	
11	1	68.8	19			571.571	
12	2	78	19	1571		794.829	
13	3	78.2	19	1940	1563	720.686	
14	2	85.1	19	1571		375.243	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 8							
Bursts in Trial: 15							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	68.4	19			15.105	
2	2	90	19	1656		278.38	
3	1	67.5	19			664.52	
4	3	70.1	19	1778	1157	496.06	
5	2	55.8	19	1587		589.86	
6	2	93.7	19	1603		120.2	
7	2	82.4	19	1938		682.18	
8	1	97.8	19			788.19	
9	2	73	19	1518		299.01	
10	2	99.8	19	1818		192.19	
11	2	81.7	19	1077		159.03	
12	2	91.2	19	1216		17.39	
13	3	57.3	19	1537	1921	502.6	
14	1	65	19			623.5	
15	2	64.7	19	1267		4.1	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 9							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	75.7	19	1517		5.554	
2	3	76.6	19	1519	1845	452.543	
3	3	96.4	19	1954	1912	543.587	
4	2	98.6	19	1004		413.26	
5	3	81.6	19	1845	1625	469.283	
6	2	69.4	19	1738		120.287	
7	3	64.4	19	1285	1377	401.44	
8	2	95	19	1046		489.793	
9	2	94.2	19	1702		116.407	
10	2	77.3	19	1743		34.68	
11	1	76.8	19			657.473	
12	1	59.8	19			151.557	
13	3	53.8	19	1883	1181	187.63	
14	1	57.4	19			454.283	
15	1	53.9	19			34.267	
16	2	68.9	19	1403		69.3	
17	1	99.5	19			531.633	
18	2	59.4	19	1671		81.267	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 10							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	53.5	9	1715		893.656	
2	2	93.6	9	1886		772.743	
3	1	83.1	9			341.606	
4	1	50.7	9			801.599	
5	2	79.8	9	1621		542.092	
6	2	55.9	9	1015		790.875	
7	3	87.6	9	1739	1006	801.248	
8	3	84.2	9	1306	1619	420.752	
9	1	75.8	9			428.615	
10	3	55.5	9	1179	1660	104.488	
11	3	67.7	9	1545	1326	590.281	
12	1	51.9	9			841.054	
13	1	53.2	9			106.477	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 11							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	66.1	6	1399	1458	357.791	
2	2	94.6	6	1978		170.183	
3	1	96.3	6			276.576	
4	1	87.5	6			588.619	
5	1	51.6	6			18.722	
6	2	97	6	1255		570.485	
7	2	96.3	6	1715		453.318	
8	2	65.6	6	1863		404.042	
9	2	91.5	6	1944		413.675	
10	3	79.1	6	1776	1573	63.468	
11	2	98.8	6	1470		90.821	
12	1	75.8	6			836.754	
13	2	51.4	6	1064		255.177	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 12							
Bursts in Trial: 15							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	55	18	1454		126.346	
2	2	60.3	18	1073		233.52	
3	3	71.4	18	1303	1515	218.67	
4	2	88.2	18	1662		632.95	
5	1	72.4	18			715.69	
6	3	73.1	18	1123	1665	204.56	
7	2	72.3	18	1501		498.28	
8	1	98.9	18			220.86	
9	3	64.4	18	1970	1807	47.54	
10	3	58.8	18	1364	1192	357.23	
11	2	62.3	18	1749		724.07	
12	3	86	18	1201	1490	408.74	
13	3	57.7	18	1465	1257	41.78	
14	2	99.9	18	1900		749.9	
15	1	89.2	18			76.8	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 13							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	95.6	18	1243		74.623	
2	1	96.5	18			220.893	
3	2	82.7	18	1696		666.546	
4	1	97.6	18			579.609	
5	2	55.6	18	1205		89.232	
6	3	63.9	18	1472	1550	436.265	
7	3	65.3	18	1033	1906	554.538	
8	1	53.3	18			219.802	
9	1	66.3	18			281.475	
10	1	87.3	18			82.968	
11	3	61.1	18	1684	1202	295.211	
12	2	74.6	18	1646		66.854	
13	2	72.8	18	1972		302.177	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 14							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	89	15	1567	1951	495.828	
2	1	84.1	15			75.141	
3	2	82	15	1742		178.874	
4	2	70.8	15	1843		179.891	
5	2	94.1	15	1632		285.749	
6	1	99.9	15			361.966	
7	1	59.6	15			85.943	
8	3	68.7	15	1505	1704	514.87	
9	2	84.4	15	1045		574.607	
10	1	59.5	15			546.574	
11	2	71.4	15	1239		251.491	
12	2	57.6	15	1335		512.429	
13	2	64.9	15	1289		782.186	
14	1	90	15			435.943	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 15							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	89.3	5	1833		35.837	
2	2	82.1	5	1832		501.937	
3	2	99.2	5	1702		206.434	
4	1	74.5	5			183.051	
5	3	79.1	5	1838	1374	18.499	
6	3	93.3	5	1991	1110	117.666	
7	2	94.4	5	1094		712.663	
8	1	91.6	5			641.85	
9	3	68.1	5	1010	1298	553.987	
10	1	52.3	5			251.644	
11	2	75.1	5	1203		845.981	
12	1	90.5	5			197.329	
13	1	63	5			762.386	
14	3	72	5	1149	1226	57.943	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 16							
Bursts in Trial: 18							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	66.2	17	1740		273.523	
2	3	77.9	17	1189	1139	363.393	
3	2	75.6	17	1974		543.967	
4	1	91.2	17			266.8	
5	2	80.8	17	1453		657.803	
6	1	61	17			325.607	
7	1	86.1	17			254.29	
8	3	50.1	17	1553	1123	116.493	
9	3	76.3	17	1029	1235	34.257	
10	3	59.9	17	1297	1250	133.51	
11	2	85.4	17	1716		152.353	
12	1	51.3	17			496.277	
13	1	98.5	17			529.75	
14	2	77.1	17	1643		420.763	
15	2	76.8	17	1923		246.287	
16	1	66	17			321.1	
17	2	70.6	17	1690		546.533	
18	3	83.9	17	1099	1319	22.167	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 17							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	94.6	17			876.167	
2	2	86.3	17	1829		515.65	
3	3	83.5	17	1946	1602	305.08	
4	3	73.1	17	1692	1662	486.3	
5	2	64.6	17	1638		844.92	
6	2	58.8	17	1331		628.34	
7	2	69	17	1926		695	
8	3	91.6	17	1396	1831	892.64	
9	3	87.3	17	1281	1475	527.33	
10	2	63.3	17	1784		465.95	
11	2	59.4	17	1184		719	
12	3	68.6	17	1092	1610	233.6	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 18							
Bursts in Trial: 10							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	94	15			847.115	
2	2	94.2	15	1416		462.31	
3	3	87.7	15	1713	1813	555.72	
4	2	54.8	15	1324		964.17	
5	2	92.5	15	1931		895.37	
6	2	69.8	15	1612		27.57	
7	3	87.5	15	1095	1547	778.67	
8	3	97.9	15	1051	1091	623	
9	2	80.3	15	1097		235.22	
10	1	78.5	15			732.4	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 19							
Bursts in Trial: 16							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	53.2	7			208.914	
2	1	74.4	7			663.22	
3	2	52.9	7	1812		719.02	
4	2	82.3	7	1896		158.33	
5	1	65.4	7			428.87	
6	3	97.7	7	1179	1120	433.54	
7	2	59.8	7	1569		298.51	
8	2	80.5	7	1603		107.77	
9	3	72.7	7	1600	1841	61.77	
10	2	61.5	7	1579		109.38	
11	1	94.4	7			42.18	
12	2	86.1	7	1534		75.09	
13	3	50.6	7	1263	1323	730.5	
14	2	75.2	7	1522		230.11	
15	1	64.7	7			394.7	
16	2	62.1	7	1806		500.2	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 20							
Bursts in Trial: 13							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	78.5	13	1279		335.508	
2	1	58.1	13			786.723	
3	2	80.8	13	1965		504.036	
4	1	82.1	13			384.309	
5	3	62.3	13	1711	1590	706.312	
6	3	62.1	13	1321	1876	449.295	
7	2	53.4	13	1877		516.358	
8	2	72	13	1055		3.422	
9	3	54.5	13	1587	1540	625.205	
10	3	89.7	13	1352	1010	339.128	
11	3	99.9	13	1754	1344	461.541	
12	3	59.8	13	1376	1130	69.154	
13	1	80.2	13			5.377	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 21							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	55.9	5	1430		224.91	
2	2	73.1	5	1645		462.771	
3	3	81.7	5	1290	1028	859.272	
4	2	76.8	5	1283		351.293	
5	3	62	5	1254	1819	545.084	
6	2	60.4	5	1531		978.995	
7	3	86.8	5	1047	1863	397.355	
8	3	92.4	5	1543	1662	774.856	
9	3	94	5	1423	1061	968.627	
10	2	94.2	5	1054		781.718	
11	2	66.1	5	1476		90.309	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 24							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	69	11	1016		179.678	
2	1	50	11			326.91	
3	2	78.1	11	1721		962.15	
4	1	81.1	11			114.39	
5	2	88.2	11	1820		263.77	
6	2	73.9	11	1748		234.12	
7	3	71	11	1728	1691	216.87	
8	3	87.8	11	1062	1809	904.85	
9	2	50.7	11	1702		633.74	
10	2	76.5	11	1786		631.68	
11	2	51	11	1830		366.3	
12	1	80.5	11			507.7	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 25							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	72.1	6	1352	1370	19.775	
2	2	62	6	1954		625.377	
3	1	79.4	6			344.364	
4	3	75.7	6	1104	1741	34.111	
5	3	53.3	6	1084	1294	406.429	
6	2	63.7	6	1352		420.356	
7	2	86.6	6	1321		350.423	
8	3	76.8	6	1411	1292	300.95	
9	2	90.1	6	1931		772.527	
10	3	74.9	6	1245	1415	681.894	
11	2	94.1	6	1288		610.971	
12	2	54.2	6	1588		572.229	
13	1	72.8	6			774.186	
14	2	94	6	1668		844.843	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 26							
Bursts in Trial: 20							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	67.8	14			261.812	
2	2	78	14	1738		568.43	
3	2	81.4	14	1585		502.58	
4	2	84	14	1352		364.27	
5	2	56.7	14	1155		261.53	
6	2	97.2	14	1107		170.54	
7	2	59.2	14	1661		6.76	
8	3	83.6	14	1548	1627	338.03	
9	2	89.3	14	1164		247.68	
10	3	82.1	14	1187	1411	489.25	
11	2	58.1	14	1852		437.88	
12	3	88.6	14	1058	1780	199.23	
13	1	51.1	14			111.37	
14	2	87.8	14	1876		579.34	
15	2	85.9	14	1461		105.72	
16	2	53.9	14	1647		571.96	
17	2	74.8	14	1493		194.61	
18	2	78.5	14	1932		287	
19	2	50.9	14	1892		578.1	
20	2	90.7	14	1010		42.8	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 27							
Bursts in Trial: 12							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	78	6	1072		830.21	
2	2	93.4	6	1509		338.28	
3	1	88.6	6			347.65	
4	2	62.2	6	1036		345.2	
5	2	67	6	1753		409.07	
6	3	62.6	6	1439	1459	192.13	
7	2	92.7	6	1218		782.41	
8	1	50.4	6			383.7	
9	2	99.5	6	1034		490.96	
10	2	81.6	6	1518		375.16	
11	2	96.6	6	1722		175.2	
12	2	80.2	6	1637		569	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 28							
Bursts in Trial: 11							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	3	50.6	12	1621	1941	375.85	
2	1	64.1	12			988.281	
3	2	77.8	12	1708		910.412	
4	2	52.9	12	1425		117.873	
5	3	83.1	12	1043	1743	694.904	
6	2	72.4	12	1670		696.095	
7	3	60.9	12	1819	1142	174.495	
8	1	61.5	12			526.406	
9	1	86.8	12			791.557	
10	3	82.9	12	1260	1669	933.518	
11	2	96.2	12	1711		464.909	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 29							
Bursts in Trial: 14							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	1	68.8	8			705.25	
2	3	52.7	8	1294	1203	87.033	
3	3	52	8	1457	1572	734.744	
4	1	52.7	8			46.531	
5	2	75.5	8	1094		308.659	
6	1	77.9	8			365.916	
7	1	90.9	8			694.833	
8	1	74.6	8			622.12	
9	3	50.5	8	1497	1074	16.107	
10	2	77.9	8	1313		13.004	
11	3	77.5	8	1830	1095	807.461	
12	2	70.4	8	1076		251.169	
13	2	79.5	8	1617		316.786	
14	3	79.6	8	1533	1990	826.343	

TYPE 5 PARAMETER SHEET							Rohde & Schwarz Pulse Sequencer
Trial Number : 30							
Bursts in Trial: 19							
Burst	Number of Pulses	Pulse Width (µsec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (µsec)	Pulse 2-to-3 PRI (µsec)	Start Location Within Interval (msec)	
1	2	53.2	12	1200		435.612	
2	2	60.2	12	1332		248.709	
3	2	73.6	12	1301		297.522	
4	3	56.8	12	1787	1536	355.633	
5	1	54.1	12			50.144	
6	1	55	12			533.565	
7	3	96.6	12	1023	1430	450.346	
8	3	53.2	12	1343	1459	507.107	
9	2	62.4	12	1594		236.688	
10	2	73	12	1646		189.989	
11	1	84.3	12			328.831	
12	2	89.6	12	1336		144.662	
13	1	72.8	12			156.223	
14	2	80.3	12	1274		88.234	
15	1	75.1	12			330.085	
16	1	67	12			604.316	
17	2	89.2	12	1786		98.837	
18	1	68.1	12			77.858	
19	1	84.5	12			137.779	

TYPE 6 S		Rohde & Schwarz K350 Pulse Sequencer DFS
Trial #	Detection (yes/no)	
1	y	
2	y	
3	y	
4	y	
5	y	
6	y	
7	y	
8	y	
9	y	
10	y	
11	y	
12	y	
13	y	
14	y	
15	n	
16	n	
17	y	
18	y	
19	y	
20	y	
21	y	

22	y
23	y
24	y
25	y
26	y
27	y
28	y
29	y
30	y

Detection Probability: 93%

-- End of Test Report --