




TEST REPORT

For DFS

Report No. : **CHEW2208015601** Report Verification: 

Project No..... : **SHT2207038201EW**

FCC ID..... : **GVQ-CPE-0001**

Applicant's name..... : **Skyroam Technology Co., Ltd.**

Address..... : No.902,9th Floor,Weisheng Technology Building,No.9966
Shennan Avenue,Shenzhen,Guangdong,China

Product Name : **LTE CPE**

Trade Mark : SIMO, SKYROAM

Model No. : CPE-0001

Listed Model(s) : -

Standard : **FCC CFR Title 47 Part 15 Subpart E Section 15.407**

Date of receipt of test sample..... : Jul. 12, 2022

Date of testing..... : Jul. 13, 2022- Aug. 08, 2022

Date of issue..... : Aug. 09, 2022

Result..... : **PASS**

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The test report merely correspond to the test sample.

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1. TEST STANDARDS AND REPORT VERSION

1.1. Test Standards

The tests were performed according to following standards:

[FCC Rules Part 15.407](#): General technical requirements.

[KDB905462 D02 v02](#): COMPLIANCE MEASUREMENT PROCEDURES FOR UNLICENSED-NATIONAL INFORMATION INFRASTRUCTURE DEVICES OPERATING IN THE 5250-5350 MHz AND 5470-5725 MHz BANDS INCORPORATING DYNAMIC FREQUENCY SELECTION

[KDB905462 D04 v01](#): OPERATIONAL MODES SUGGESTED FOR DFS TESTING

1.2. Report Version

Revision No.	Date of issue	Description
N/A	2022-08-09	Original

2. TEST DESCRIPTION

Report clause	Test Items	Standard Requirement	Result	Test Engineer
6.1	Radar Waveform Calibration	15.407(h)	PASS	Xiaoqin Li
6.2	Initial Channel Availability Check Time	15.407(h)	PASS	Xiaoqin Li
6.3	Beginning of the Channel Availability Check Time	15.407(h)	PASS	Xiaoqin Li
6.4	End of the Channel Availability Check Time	15.407(h)	PASS	Xiaoqin Li
6.5	Packet Transmissions Activity Ratio	15.407(h)	PASS	Xiaoqin Li
6.6	UNII Detection Bandwidth Measurement	15.407(h)	PASS	Xiaoqin Li
6.7	Statistical Performance Check	15.407(h)	PASS	Xiaoqin Li
6.8	Channel Move Time, Channel Closing Transmission Time	15.407(h)	PASS	Xiaoqin Li
6.9	Non-Occupancy Period	15.407(h)	PASS	Xiaoqin Li

3. SUMMARY

3.1. Client Information

Applicant:	Skyroam Technology Co., Ltd.
Address:	No.902,9th Floor,Weisheng Technology Building,No.9966 Shennan Avenue,Shenzhen,Guangdong,China
Manufacturer:	Skyroam Technology Co., Ltd.
Address:	No.902,9th Floor,Weisheng Technology Building,No.9966 Shennan Avenue,Shenzhen,Guangdong,China

3.2. Product Description

Main unit information:	
Product Name:	LTE CPE
Trade Mark:	SIMO, SKYROAM
Model No.:	CPE-0001
Listed Model(s):	-
Power supply:	AC 100~240V
Test voltage:	AC 230V
Hardware version:	CPE-0001 V1.1
Software version:	V1.1.3
Accessory unit information:	
Adapter information:	Model:DCT18W120150US-A0 Input: AC100-240V, 50/60Hz, 0.7A max Output: 12.0Vdc, 1.5A

3.3. Radio Specification Description

Support type ^{*1}	<input checked="" type="checkbox"/> 802.11a	<input checked="" type="checkbox"/> 802.11n	<input checked="" type="checkbox"/> 802.11ac
Support Bandwidth	20MHz:	802.11n, 802.11a, 802.11ac	
	40MHz:	802.11n, 802.11ac	
	80MHz:	802.11ac	
Operation frequency:	<input checked="" type="checkbox"/> U-NII-1 Band:	5150MHz~5250MHz	
	<input checked="" type="checkbox"/> U-NII-2A Band:	5250MHz~5350MHz	
	<input checked="" type="checkbox"/> U-NII-2C Band:	5470MHz~5725MHz	
	<input checked="" type="checkbox"/> U-NII-3 Band:	5725MHz~5850MHz	
Modulation:	BPSK, QPSK, 16QAM, 64QAM		
Function:	<input type="checkbox"/> Outdoor AP	<input checked="" type="checkbox"/> Indoor AP	<input type="checkbox"/> Fixed P2P
	<input type="checkbox"/> Client		
DFS type:	<input checked="" type="checkbox"/> Master devices	<input type="checkbox"/> Slave devices with radar detection	<input type="checkbox"/> Slave devices without radar detection
Antenna technology:	<input type="checkbox"/> SISO	<input checked="" type="checkbox"/> MIMO	
Antenna type:	External Antenna		

Antenna gain:	5.0dBi
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Note:

*1: only show the RF function associated with this report.

3.4. Testing Laboratory Information

Laboratory Name	Shenzhen Huatongwei International Inspection Co., Ltd.	
Laboratory Location	1/F, Bldg 3, Hongfa Hi-tech Industrial Park, Genyu Road, Tianliao, Gongming, Shenzhen, China	
Connect information:	Phone: 86-755-26715499 E-mail: cs@szhtw.com.cn http://www.szhtw.com.cn	
Qualifications	Type	Accreditation Number
	FCC	762235

4. TEST CONFIGURATION

4.1. DFS Working Frequencies

Band	20MHz		40MHz		80MHz	
	Channel	Frequency (MHz)	Channel	Frequency (MHz)	Channel	Frequency (MHz)
U-NII-2A	52	5260	54	5270	58	5290
	56	5280				
	60	5300	62	5310		
	64	5320				
U-NII-2C	100	5500	102	5510	106	5530
	104	5520				
	108	5540	110	5550		
	112	5560				
	116	5580	118	5590	122	5610
	120	5600				
	124	5620	126	5630		
	128	5640				
	132	5660	134	5670	138	5690
	136	5680				
	140	5700	142	5710		
	144	5720				

4.2. Test frequency and mode

Mode	Channel	Frequency (MHz)
802.11a	60	5300
802.11n(HT40)	62	5310
802.11ac(VHT80)	58	5290

4.3. Test sample information

Test item	HTW sample no.
DFS all test items	Please refer to the description in the appendix report

4.4. Support unit used in test configuration and system

The EUT has been associated with peripherals and configuration operated in a manner tended to maximize its emission characteristics in a typical application.

The following peripheral devices and interface cables were connected during the measurement:

Whether support unit is used?			
✓ No			
Item	Equipment	Trade Name	Model No.
1			
2			

4.5. Testing environmental condition

Type	Requirement	Actual
Temperature:	15~35°C	25°C
Relative Humidity:	25~75%	50%
Air Pressure:	860~1060mbar	1000mbar

4.6. Equipments Used during the Test

Used	Test Equipment	Manufacturer	Equipment No.	Model No.	Serial No.	Last Cal. Date (YY-MM-DD)	Next Cal. Date (YY-MM-DD)
●	Signal and spectrum Analyzer	R&S	HTWE0242	FSV40	100048	2021/09/13	2022/09/12
●	Vector signal generator	R&S	HTWE0244	SMBV100A	260790	2022/05/25	2023/05/24
●	10dB Attenuator	R&S	HTWE0250-01	10dB Attenuator-1	N/A	2022/05/16	2023/05/15
●	10dB Attenuator	R&S	HTWE0250-02	10dB Attenuator-2	N/A	2022/05/16	2023/05/15
●	30dB Attenuator	HUBER+SUHNER	HTWE0250-05	6630_SMA-50-2/199_NE	84037372	2022/05/16	2023/05/15
●	30dB Attenuator	JFW	HTWE0292	50FH-030-100	N/A	2022/05/16	2023/05/15
●	Power Divider	Microwave	HTWE0043	OPD1040-N-4	N/A	2022/05/16	2023/05/15
●	T-Cock	Weinschel	HTWE0289	1580	SC329	2022/05/16	2023/05/15

5. DFS TEST INFORMATION

5.1. DFS test requirement

The following table from FCC KDB905462 D02 UNII DFS Compliance procedures new rules list the applicable requirements for the DFS testing.

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

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

Table 2: Applicability of DFS requirements during normal operation

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

Additional requirements for devices with multiple bandwidth modes	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required

Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.

Master Devices

- The Master Device will use DFS in order to detect Radar Waveforms with received signal strength above the DFS Detection Threshold in the 5250~5350 MHz and 5470~5725 MHz bands. DFS is not required in the 5150~5250 MHz or 5725~5825 MHz bands.
- Before initiating a network on a Channel, the Master Device will perform a Channel Availability Check for a specified time duration (Channel Availability Check Time) to ensure that there is no radar system operating on the Channel, using DFS described under subsection a) above.
- The Master Device initiates a U-NII network by transmitting control signals that will enable other U-NII devices to Associate with the Master Device.
- During normal operation, the Master Device will monitor the Channel (In-Service Monitoring) to ensure that there is no radar system operating on the Channel, using DFS described under a).
- If the Master Device has detected a Radar Waveform during In-Service Monitoring as described under d), the Operating Channel of the U-NII network is no longer an Available Channel. The Master Device will instruct all associated Client Device(s) to stop transmitting on this Channel within the Channel Move

Time. The transmissions during the Channel Move Time will be limited to the Channel Closing Transmission Time.

- f) Once the Master Device has detected a Radar Waveform it will not utilize the Channel for the duration of the Non-Occupancy Period.
- g) If the Master Device delegates the In-Service Monitoring to a Client Device, then the combination will be tested to the requirements described under d) through f) above.

Client Devices

- a) A Client Device will not transmit before having received appropriate control signals from a Master Device.
- b) A Client Device will stop all its transmissions whenever instructed by a Master Device to which it is associated and will meet the Channel Move Time and Channel Closing Transmission Time requirements. The Client Device will not resume any transmissions until it has again received control signals from a Master Device.
- c) If a Client Device is performing In-Service Monitoring and detects a Radar Waveform above the DFS Detection Threshold, it will inform the Master Device. This is equivalent to the Master Device detecting the Radar Waveform and d) through f) of section 5.1.1 apply.
- d) Irrespective of Client Device or Master Device detection the Channel Move Time and Channel Closing Transmission Time requirements remain the same.
- e) The client test frequency must be monitored to ensure no transmission of any type has occurred for 30 minutes. Note: If the client moves with the master, the device is considered compliant if nothing appears in the client non-occupancy period test. For devices that shut down (rather than moving channels), no beacons should appear.

Table 4: DFS Response Requirement Values

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

5.2. DFS Detection Thresholds

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

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP \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

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.

Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Note3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

5.3. RADAR TEST WAVEFORMS

This section provides the parameters for required test waveforms, minimum percentage of successful detections, and the minimum number of trials that must be used for determining DFS conformance. Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 5 Short Pulse Radar Test Waveforms

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

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

For example if in Short Pulse Radar Type 1 Test B a PRI of 3066 μsec is selected, the number of pulses

would be Round up $\left\{ \left(\frac{1}{360} \right) \cdot \left(\frac{19 \cdot 10^6}{3066} \right) \right\} = \text{Round up } \{17.2\} = 18.$

Table 5a - Pulse Repetition Intervals Values for Test A

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

Table 6 – Long Pulse Radar Test Waveform

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

The parameters for this waveforms are randomly chosen. Thirty unique waveforms are required for the Long Pulse Radar Type waveforms. If more than 30 waveforms are used for the Long Pulse Radar Type wave forms, then each additional waveform must also be unique and not repeated from the previous waveforms.

Table 7 – Frequency Hopping Radar Test Waveform

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

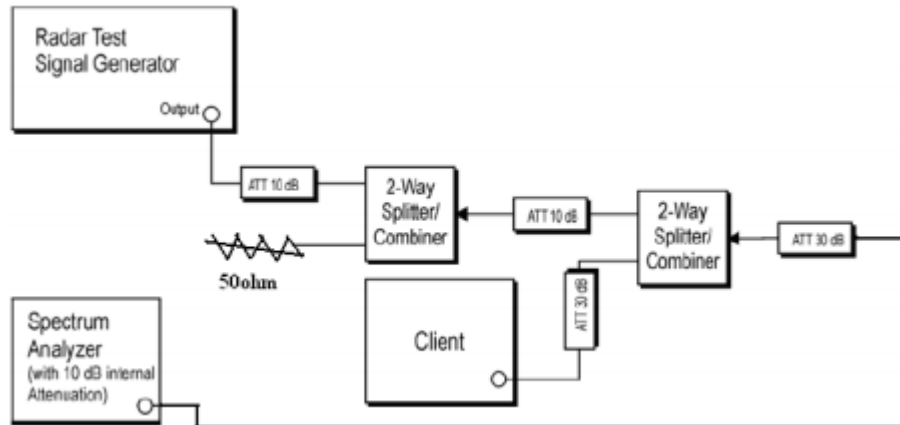
For the Frequency Hopping Radar Type, the same Burst parameters are used for each wave form. The hopping sequence is different for each wave form and a 100-length segment is selected from the hopping sequence defined by the following algorithm:

The first frequency in a hopping sequence is selected randomly from the group of 475 integer frequencies from 5250–5724MHz. Next, the frequency that was just chosen is removed from the group and a frequency is randomly selected from the remaining 474 frequencies in the group. This process continues until all 475 frequencies are chosen for the set. For selection of a random frequency, the frequencies remaining within the group are always treated as equally likely.

6. TEST CONDITIONS AND RESULTS

6.1. Radar Waveform Calibration

TEST CONFIGURATION



TEST PROCEDURE

- The Interference Radar Detection Threshold Level is $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63 \text{ dBm}$ that had been taken into account the output power range and antenna gain.
- The above equipment setup was used to calibrate the conducted Radar Waveform. A vector signal generator was utilized to establish the test signal level for each radar type. During this process there were replace 50ohm terminal form Master and Client device and no transmissions by either the Master or Client Device.
- The spectrum analyzer was switched to the zero span (Time Domain) at the frequency of the Radar Waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to at least 3MHz.
- The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was $(-64\text{dBm}) + (0) [\text{dBi}] + 1 \text{ dB} = -63\text{dBm}$.
- Capture the spectrum analyzer plots on short pulse radar types, long pulse radar type and hopping radar waveform.

TEST RESULTS

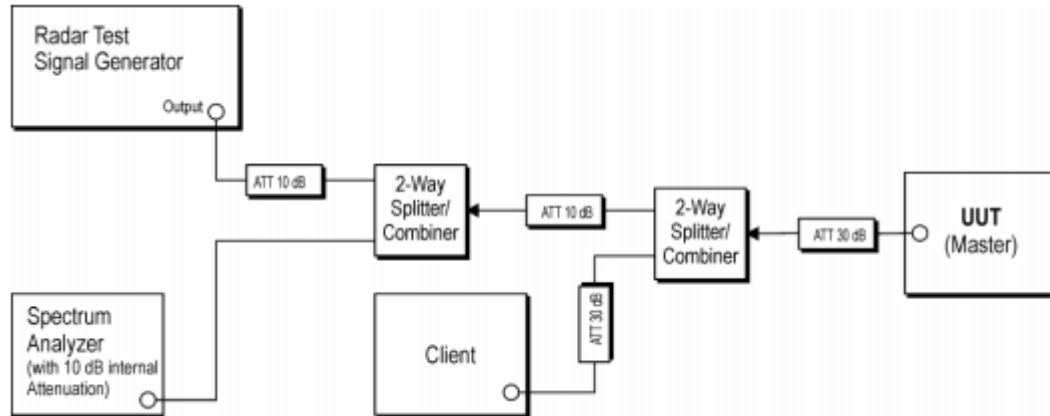
Please refer to appendix A on the appendix report

6.2. Initial Channel Availability Check Time

TEST LIMIT

The EUT shall perform a Channel Availability Check to ensure that there is no radar operating on the channel. After power-up sequence, receive at least 1 minute on the intended operating frequency.

TEST CONFIGURATION



TEST PROCEDURE

- The U-NII devices will be powered on and be instructed to operate on the appropriate U-NII Channel that must incorporate DFS functions. At the same time the EUT is powered on, the spectrum analyzer will be set to zero span mode with a 3 MHz RBW and 3 MHz VBW on the Channel occupied by the radar (Chr) with a 2.5 minute sweep time. The spectrum analyzer's sweep will be started at the same time power is applied to the U-NII device.
- The EUT should not transmit any beacon or data transmissions until at least 1 minute after the completion of the power-on cycle.
- Confirm that the EUT initiates transmission on the channel. Measurement system showing its nominal noise floor is marker1.

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed Not Applicable

TEST DATA

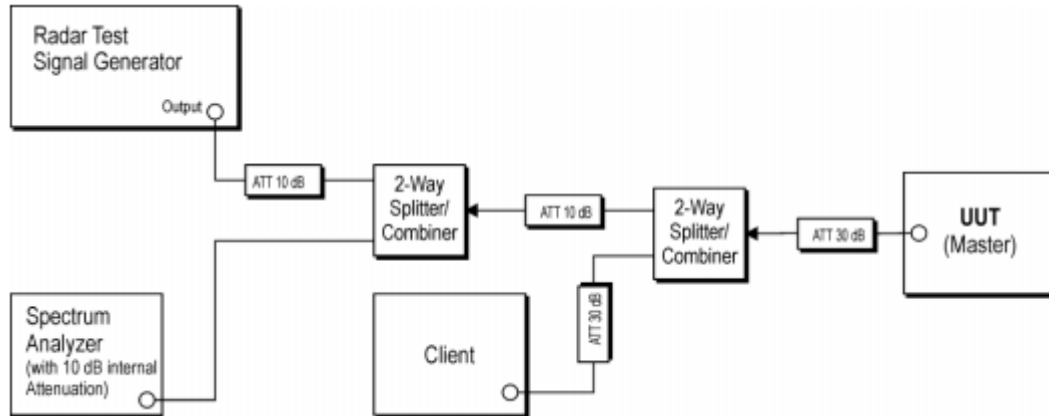
Please refer to appendix B on the appendix report

6.3. Beginning of the Channel Availability Check Time

TEST LIMIT

In beginning of the Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

TEST CONFIGURATION



TEST PROCEDURE

- The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.
- The EUT is in completion power-up cycle (from T0 to T1). T1 denotes the instant when the EUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner than T1 + 60 seconds. A single Burst of one of Short Pulse Radar Types 0-4 at DFS Detection Threshold + 1 dB will commence within a 6 second window starting at T1.
- Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5300MHz (for 802.11a) will continue for 2.5 minutes after the radar Burst has been generated. Verify that during the 2.5 minutes measurement window no EUT transmissions occurred at 5300MHz (for 802.11a).

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed Not Applicable

TEST DATA

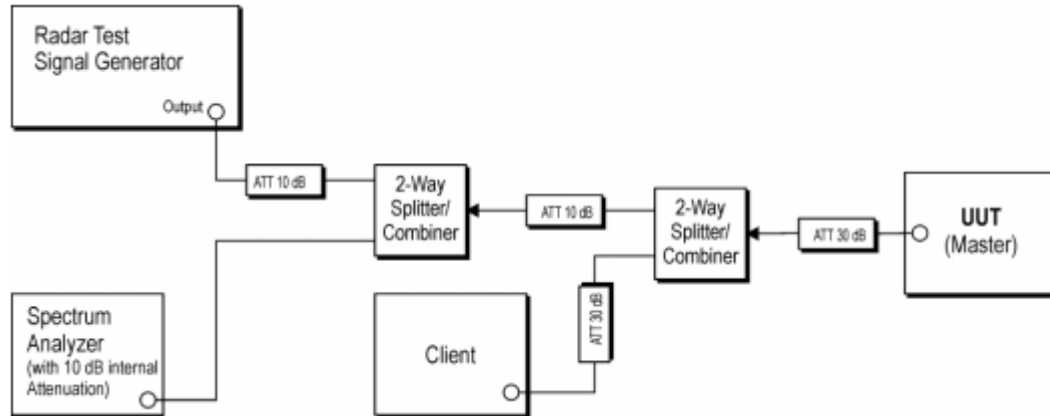
Please refer to appendix B on the appendix report

6.4. End of the Channel Availability Check Time

TEST LIMIT

In the end of Channel Availability Check (CAC) Time, radar is detected on this channel, select another intended channel and perform a CAC on that channel.

TEST CONFIGURATION



TEST PROCEDURE

- The steps below define the procedure to verify successful radar detection on the selected Channel during a period equal to the Channel Availability Check Time and avoidance of operation on that Channel when a radar Burst with a level equal to the DFS Detection Threshold + 1 dB occurs at the beginning of the Channel Availability Check Time.
- The EUT is powered on at T0. T1 denotes the instant when the EUT has completed its power-up sequence. The Channel Availability Check Time commences at instant T1 and will end no sooner than T1 + 60 seconds. A single Burst of one of Short Pulse Radar Types 0-4 at DFS Detection Threshold + 1 dB will commence within a 6 second window starting at T1+ 54 seconds.
- Visual indication on the EUT of successful detection of the radar Burst will be recorded and reported. Observation of emissions at 5300MHz (for 802.11a) will continue for 2.5 minutes after the radar Burst has been generated. Verify that during the 2.5 minutes measurement window no EUT transmissions occurred at 5300MHz (for 802.11a).

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed Not Applicable

TEST DATA

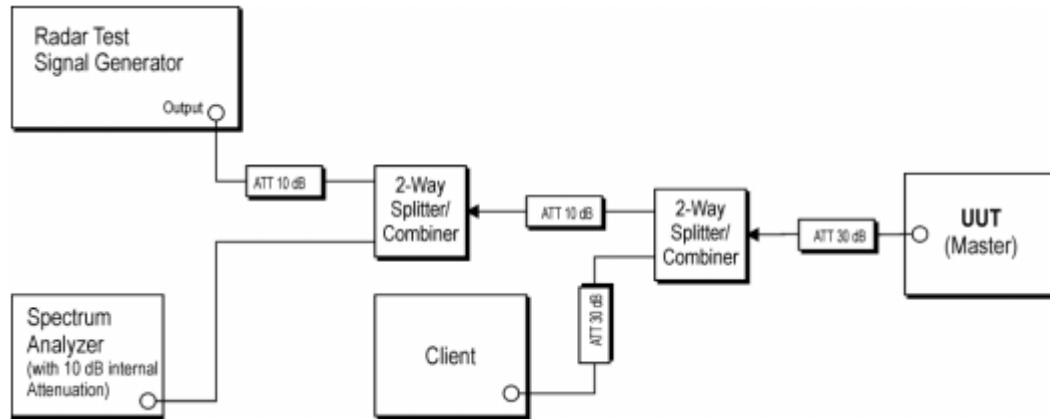
Please refer to appendix B on the appendix report

6.5. Packet Transmissions Activity Ratio

TEST LIMIT

Packet Ratio >17%

TEST CONFIGURATION



TEST PROCEDURE

Using professional iperf tools, EUT sends packets to the accessory devices.

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed **Not Applicable**

TEST DATA

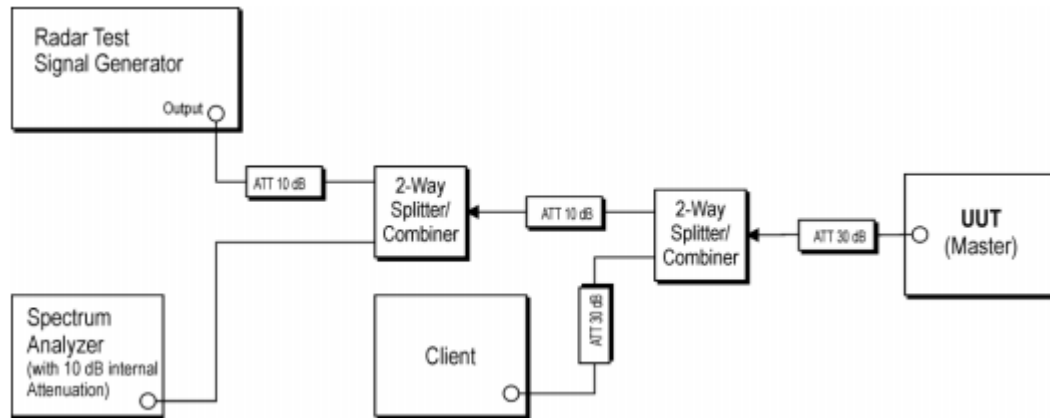
Please refer to appendix C on the appendix report

6.6. UNII Detection Bandwidth Measurement

TEST LIMIT

Minimum 100% of the UNII 99% transmission power bandwidth. During the U-NII Detection Bandwidth detection test, each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

TEST CONFIGURATION



TEST PROCEDURE

- Adjust the equipment to produce a single Burst of any one of the Short Pulse Radar Types 0-4 in Table 5 at the center frequency of the EUT Operating Channel at the specified DFS Detection Threshold level.
- The EUT is set up as a stand-alone device (no associated Client or Master, as appropriate) and no traffic. Frame based systems will be set to a talk/listen ratio reflecting the worst case (maximum) that is user configurable during this test.
- Generate a single radar Burst, and note the response of the EUT. Repeat for a minimum of 10 trials. The EUT must detect the Radar Waveform using the specified U-NII Detection Bandwidth criterion shown in Table 5. In cases where the channel bandwidth may exceed past the DFS band edge on specific channels (i.e., 802.11ac or wideband frame based systems) select a channel that has the entire emission bandwidth within the DFS band. If this is not possible, test the detection BW to the DFS band edge.
- Starting at the center frequency of the UUT operating Channel, increase the radar frequency in 5 MHz steps, repeating the above test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion specified in Table 4. Repeat this measurement in 1MHz steps at frequencies 5 MHz below where the detection rate begins to fall. Record the highest frequency (denote as FH) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies above FH is not required to demonstrate compliance.
- Starting at the center frequency of the EUT operating Channel, decrease the radar frequency in 1 MHz steps, repeating the above item d) test sequence, until the detection rate falls below the U-NII Detection Bandwidth criterion. Record the lowest frequency (denote as FL) at which detection is greater than or equal to the U-NII Detection Bandwidth criterion. Recording the detection rate at frequencies below FL is not required to demonstrate compliance.

- f) The U-NII Detection Bandwidth is calculated as follows: U-NII Detection Bandwidth = FH – FL
- g) The U-NII Detection Bandwidth must be at least 100% of the EUT transmitter 99% power, otherwise, the EUT does not comply with DFS requirements.

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed **Not Applicable**

TEST DATA

Please refer to appendix D on the appendix report

6.7. Statistical Performance Check

TEST LIMIT

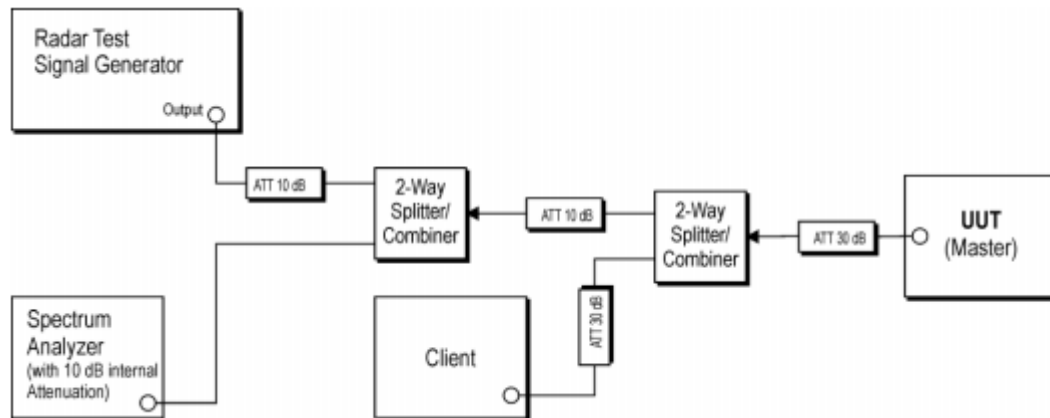
The minimum percentage of successful detection requirements found in below table when a radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device (In- Service Monitoring).

Radar Type	Minimum Number of Trails	Detection Probability
1	30	60%
2	30	60%
3	30	60%
4	30	60%
Aggregate (Radar Types 1-4)	120	80%
5	30	80%
6	30	70%

The percentage of successful detection is calculated by:

$(\text{Total Waveform Detections} / \text{Total Waveform Trails}) * 100 = \text{Probability of Detection Radar Waveform In}$
 addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows: $(Pd1 + Pd2 + Pd3 + Pd4) / 4$.

TEST CONFIGURATION



TEST PROCEDURE

- h) Stream the MPEG test file from the Master Device to the Client Device on the test Channel for the entire period of the test.
- i) At time T0 the Radar Waveform generator sends the individual waveform for each of the Radar Types 1-6, at levels equal to the DFS Detection Threshold + 1dB, on the Operating Channel.
- j) Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Short Pulse Radar Types 0 to ensure detection occurs.
- k) 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.

- l) The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs.
- m) The Minimum number of trails, minimum percentage of successful detection and the average minimum percentage of successful detection are found in below table.

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed **Not Applicable**

TEST DATA

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 1						
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	97.8	17	1236		31.806
2	2	83.2	17	1291		6.298
3	2	99.5	17	1966		632.627
4	2	82.7	17	1818		434.05
5	2	78.4	17	1334		329.733
6	1	89.9	17			80.727
7	3	76	17	1792	1538	315.69
8	1	80.9	17			635.383
9	2	60.5	17	1252		436.507
10	3	81.4	17	1075	1172	604.21
11	2	66.6	17	1830		33.303
12	3	55.4	17	1032	1502	528.347
13	3	77.9	17	1779	1111	400.12
14	2	91.8	17	1044		121.603
15	2	73.2	17	1116		252.997
16	2	81.8	17	1636		574.8
17	2	68.9	17	1163		191.533
18	3	94.4	17	1292	1080	631.867

TYPE 5 PARAMETER SHEET						
Rohde & Schwarz Pulse Sequencer						
Trial Number : 2						
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	73.9	12	1922		855.251
2	2	68.4	12	1837		326.71
3	2	83.1	12	1047		382.41
4	2	56.7	12	1058		722.2
5	2	89.8	12	1583		800.58
6	3	82	12	1647	1449	509.65
7	2	71.7	12	1693		567.67
8	3	61.8	12	1623	1567	293.3
9	1	99.9	12			496.32
10	1	94.3	12			408.84
11	1	83.6	12			403.9
12	1	97	12			61.8

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	1	75.4	10			662.95
2	1	86.8	10			255.77
3	2	77.7	10	1896		230.91
4	2	86.6	10	1940		10.4
5	2	91.2	10	1216		94.58
6	2	94.2	10	1773		15.66
7	3	67	10	1027	1676	333.33
8	2	89.3	10	1618		255.19
9	2	56.5	10	1945		372.31
10	2	61.4	10	1551		464.91
11	1	53.7	10			715.41
12	1	89.6	10			485.66
13	2	73.1	10	1299		290.54
14	1	61	10			631.6
15	1	82.8	10			212.8
16	1	58.9	10			740.6

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 5						
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	98.3	8	1995		95.28
2	2	83.7	8	1946		400.233
3	3	82.8	8	1437	1815	276.646
4	2	66.1	8	1477		96.879
5	2	50.5	8	1858		912.622
6	1	52.7	8			846.355
7	2	68.2	8	1535		130.698
8	2	87.8	8	1183		776.552
9	1	85	8			364.535
10	2	56.1	8	1602		666.528
11	3	68.6	8	1844	1810	816.131
12	2	78.7	8	1095		161.854
13	2	69.5	8	1499		410.177

TYPE 5 PARAMETER SHEET						
Rohde & Schwarz Pulse Sequencer						
Trial Number : 6						
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	83.6	18	1787		147.242
2	2	77.5	18	1834		346.928
3	1	98.3	18			424.815
4	1	73.5	18			678.313
5	2	98.1	18	1190		326.021
6	1	96.3	18			52.278
7	3	88.2	18	1772	1368	323.186
8	2	74.8	18	1500		309.224
9	2	62.2	18	1518		623.081
10	2	94.2	18	1328		188.519
11	1	73.3	18			117.936
12	2	60.5	18	1913		440.824
13	2	89.2	18	1483		599.502
14	3	50	18	1640	1160	467.429
15	3	52.2	18	1902	1431	329.247
16	2	93.8	18	1319		248.165
17	2	78.8	18	1739		175.882

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	3	88.3	18	1559	1603	305.681
2	2	89.2	18	1333		930.881
3	3	58.2	18	1351	1795	1073.342
4	2	98.3	18	1187		81.393
5	3	98.9	18	1886	1432	581.084
6	3	70.2	18	1145	1660	29.375
7	1	94	18			515.325
8	2	72.2	18	1029		835.326
9	3	61.7	18	1564	1885	451.767
10	2	95.7	18	1066		1072.718
11	1	74.5	18			22.609

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 9						
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	88.6	8	1235		1027.95
2	2	79.7	8	1357		676.14
3	2	74.5	8	1461		830.14
4	2	95.6	8	1179		77.43
5	2	66	8	1188		29.83
6	1	94.3	8			622.63
7	2	94.9	8	1221		808.66
8	3	99.5	8	1918	1382	870.07
9	2	93.4	8	1835		1114.3
10	1	56.4	8			1011.4

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 10						
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	51.3	18	1201		501.201
2	1	87.5	18			872.07
3	3	65.9	18	1314	1264	959.13
4	1	74.9	18			768.29
5	1	58.8	18			1184.48
6	3	72.4	18	1122	1567	535.37
7	2	57.9	18	1427		430.98
8	2	51.7	18	1780		799.8
9	3	70.6	18	1145	1641	336.92
10	3	74	18	1685	1298	441.5

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 11						
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	61.6	13	1146		254.484
2	2	97.2	13	1574		11.886
3	2	95.5	13	1390		447.69
4	3	51.5	13	1369	1149	512.65
5	2	85.9	13	1509		119.88
6	1	82.3	13			636.49
7	1	95.4	13			707.79
8	1	73.4	13			313.72
9	2	77.8	13	1734		519.14
10	2	58	13	1459		245.68
11	2	71.7	13	1299		256.22
12	2	65.9	13	1820		630.17
13	2	61.7	13	1348		365.23
14	3	92.9	13	1815	1656	346
15	2	72.9	13	1806		536.2

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 12						
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	95	16	1162		525.629
2	1	69.8	16			283.747
3	2	98.5	16	1150		238.562
4	3	95.2	16	1612	1634	141.843
5	2	64.7	16	1946		345.834
6	2	84.1	16	1928		38.575
7	1	67.5	16			67.276
8	2	88.8	16	1651		420.937
9	3	69.5	16	1113	1781	51.038
10	2	60.2	16	1811		120.569
11	3	51.7	16	1935	1998	426.891
12	1	76.6	16			345.682
13	2	82.3	16	1956		50.633
14	1	73.4	16			168.774
15	1	81	16			492.245
16	2	51	16	1219		39.536
17	2	70.4	16	1664		311.337
18	3	67.5	16	1798	1694	535.258
19	2	73.9	16	1294		438.779

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	1	68.9	14			335.195
2	3	61	14	1990	1859	215.363
3	3	79.4	14	1379	1705	353.016
4	1	79.8	14			794.609
5	3	62.5	14	1175	1382	547.532
6	2	97.3	14	1406		294.985
7	2	86.1	14	1134		774.788
8	2	64.8	14	1596		267.032
9	1	52.8	14			66.065
10	3	51.1	14	1069	1479	18.278
11	3	97.7	14	1591	1630	204.381
12	2	80.4	14	1403		449.954
13	2	61.3	14	1117		873.777

TYPE 5 PARAMETER SHEET						
Rohde & Schwarz Pulse Sequencer						
Trial Number : 14						
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	89.7	14	1344	1017	436.258
2	3	65.7	14	1485	1792	824.803
3	3	73.9	14	1947	1503	854.196
4	2	50.4	14	1642		692.629
5	3	78.6	14	1520	1781	459.722
6	3	95.6	14	1398	1167	442.495
7	1	85.1	14			678.058
8	1	86.8	14			683.802
9	1	83.6	14			872.025
10	2	54.5	14	1697		518.648
11	2	88.4	14	1184		527.391
12	2	75.6	14	1974		601.554
13	1	65	14			487.277

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	84.1	5	1074		352.853
2	2	90.6	5	1881		591.467
3	2	59.3	5	1963		695.904
4	1	91.7	5			431.751
5	2	53.7	5	1041		276.259
6	3	68.5	5	1892	1762	792.526
7	2	91.2	5	1009		422.723
8	2	83.6	5	1509		363.99
9	1	54.4	5			82.577
10	1	67	5			73.324
11	1	51.9	5			727.011
12	2	79.2	5	1919		392.129
13	2	67.8	5	1603		612.086
14	2	93.9	5	1831		313.743

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 16						
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	68.6	13	1710		360.69
2	3	70.5	13	1755	1987	1058.381
3	1	61.3	13			1000.112
4	1	79.9	13			323.233
5	1	88.9	13			859.614
6	3	84.6	13	1355	1686	160.865
7	3	96.2	13	1163	1207	413.335
8	1	52	13			627.276
9	3	66.5	13	1002	1530	994.647
10	1	79.1	13			617.018
11	2	68	13	1255		247.309

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 17						
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	96.2	8	1937		262.665
2	2	75	8	1264		140.948
3	3	69.6	8	1718	1080	468.77
4	3	66.7	8	1086	1138	469.34
5	2	91.2	8	1484		474.52
6	2	87.7	8	1737		221.59
7	3	53.4	8	1813	1293	27.17
8	2	59.3	8	1376		156.04
9	2	58.9	8	1247		533.38
10	2	68.1	8	1630		405.72
11	3	53.3	8	1758	1244	240.86
12	1	74.2	8			271.21
13	2	50.4	8	1154		72.82
14	3	61.4	8	1209	1212	174.87
15	2	55.3	8	1180		432.62
16	1	53.6	8			591.41
17	3	99.2	8	1508	1409	14.7
18	1	58.1	8			248.7
19	1	93.6	8			3.1
20	1	91.7	8			434.7

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 18						
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	92.7	10			117.328
2	2	64.5	10	1574		5.318
3	2	56.2	10	1298		695.38
4	2	89.4	10	1896		468.31
5	1	59.9	10			724.53
6	1	64.5	10			358.29
7	1	89.4	10			79.43
8	3	82.8	10	1028	1570	405.99
9	2	80.4	10	1170		485.05
10	2	52	10	1620		53.15
11	2	67.9	10	1194		394.36
12	3	62.2	10	1920	1917	335.46
13	1	63.8	10			125.93
14	1	79.8	10			45.26
15	1	62.6	10			416.9
16	2	51.6	10	1386		544.4

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 19						
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	88.8	9	1323		927.839
2	2	60.6	9	1221		729.747
3	1	62.8	9			15.123
4	1	93.5	9			1007.26
5	2	91.2	9	1353		536.187
6	1	84.8	9			1007.313
7	1	60.7	9			836.04
8	1	81.1	9			994.867
9	3	68.1	9	1883	1423	847.633

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 20						
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	59	17	1960		178.277
2	2	74.3	17	1582		757.84
3	2	92.5	17	1997		107.09
4	1	66.6	17			530.36
5	2	82	17	1493		393.78
6	2	76.8	17	1659		310.34
7	2	78.8	17	1044		217.08
8	3	85.8	17	1219	1805	42.26
9	2	77	17	1728		492.25
10	3	55.9	17	1003	1068	326.12
11	1	76.5	17			719.82
12	1	73.9	17			200.13
13	2	63.9	17	1853		224.19
14	2	67.4	17	1835		574
15	2	66.3	17	1649		212.8

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	76	14	1021	1083	334.998
2	1	88.8	14			115.771
3	1	93.5	14			738.26
4	2	93.8	14	1226		401.07
5	2	99.6	14	1092		189.36
6	1	86.5	14			313.06
7	2	60.9	14	1434		333.71
8	2	60.5	14	1560		725.74
9	3	54.6	14	1562	1503	652.16
10	2	89.5	14	1598		207.45
11	2	64	14	1167		490.21
12	3	80	14	1486	1513	292.23
13	2	85.4	14	1429		698.75
14	3	68	14	1949	1146	621.9
15	1	50	14			167.9
16	2	98.3	14	1247		185.5

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 22						
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	3	93.3	12	1473	1777	78.462
2	2	75.3	12	1836		398.278
3	3	60.8	12	1751	1505	154.155
4	3	89.8	12	1911	1510	678.893
5	1	79.8	12			486.541
6	2	70.2	12	1163		656.348
7	3	71	12	1264	1629	179.896
8	2	66.5	12	1413		681.864
9	2	69.1	12	1596		15.101
10	3	96.5	12	1917	1789	229.229
11	2	96.5	12	1808		392.636
12	2	90.3	12	1659		95.974
13	2	72.2	12	1567		454.882
14	1	53.2	12			169.409
15	3	89.7	12	1197	1893	47.367
16	1	70.6	12			618.465
17	2	77.6	12	1942		174.382

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	3	76	7	1945	1156	14.475
2	2	86.9	7	1213		41.897
3	1	73.8	7			720.05
4	3	83.9	7	1844	1628	165.55
5	2	57.1	7	1917		253.9
6	2	80.5	7	1874		555.83
7	1	80.5	7			224.06
8	1	63.1	7			65.89
9	2	73.7	7	1967		251.04
10	2	81.6	7	1408		157.04
11	2	89.3	7	1036		262.28
12	3	52.5	7	1802	1625	672.87
13	2	91.1	7	1404		159.91
14	1	67.8	7			779.8
15	2	67.1	7	1616		692.1

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 24						
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	90.1	9	1935		186.234
2	2	63.7	9	1514		100.476
3	2	57.9	9	1579		340.59
4	1	85.4	9			172.57
5	2	75.9	9	1157		321
6	1	53.1	9			222.76
7	2	94.2	9	1218		676.47
8	2	54.2	9	1839		531.86
9	2	82.4	9	1745		722.05
10	2	65.6	9	1788		114.13
11	3	56.3	9	1314	1571	430.88
12	2	98.6	9	1439		213.67
13	2	72.4	9	1718		235.68
14	2	89.3	9	1613		434.5
15	2	67.2	9	1015		526.5

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 25						
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	89.2	14			797.424
2	1	66.4	14			188.773
3	2	72.6	14	1549		348.636
4	3	65	14	1110	1565	734.679
5	3	85.2	14	1842	1765	187.132
6	2	70.8	14	1640		110.115
7	1	96.4	14			826.618
8	1	75.4	14			514.142
9	2	84.8	14	1328		343.035
10	3	72.2	14	1768	1272	372.818
11	2	58.8	14	1205		228.381
12	1	72.5	14			763.354
13	3	76.5	14	1735	1976	469.677

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	3	87.6	8	1775	1556	109.398
2	1	92.5	8			277.134
3	3	65.3	8	1047	1796	243.84
4	2	89.2	8	1195		20.98
5	2	77.7	8	1709		279.95
6	3	68.1	8	1603	1466	102.59
7	2	52.5	8	1419		134.3
8	1	75.6	8			508.05
9	2	76.9	8	1940		320.06
10	2	99.3	8	1365		408.37
11	2	96.8	8	1555		440.83
12	1	69.5	8			437.28
13	2	57	8	1561		92.82
14	1	68	8			142.2
15	2	68.5	8	1548		271.55
16	1	68	8			424.26
17	2	89.3	8	1667		71.79
18	2	51.2	8	1410		133.4
19	2	65.5	8	1470		406.3
20	2	71.9	8	1777		556.9

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 27						
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	75.4	14			186.733
2	1	76.6	14			548.783
3	2	61.2	14	1150		577.596
4	2	88.5	14	1999		394.939
5	2	71.1	14	1256		334.822
6	2	97	14	1525		865.295
7	3	69.2	14	1106	1385	247.648
8	2	94.9	14	1540		55.812
9	3	97.4	14	1868	1008	223.865
10	2	72.6	14	1633		91.998
11	2	66	14	1749		566.591
12	2	54.1	14	1409		738.154
13	2	91.4	14	1386		17.077

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 28						
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	65.3	19	1019		202.148
2	2	73.4	19	1703		165.311
3	2	86.6	19	1309		94.257
4	2	94.5	19	1214		244.8
5	2	68	19	1781		451.553
6	1	87.3	19			337.677
7	3	75.3	19	1058	1631	474.82
8	1	93.3	19			90.523
9	3	59.8	19	1989	1034	52.167
10	3	52.9	19	1453	1143	368.24
11	2	92.5	19	1016		580.023
12	3	64.2	19	1726	1805	563.167
13	1	82.8	19			67.2
14	1	82.1	19			518.613
15	2	96.9	19	1426		547.707
16	1	52.7	19			62.6
17	3	84.9	19	1493	1015	311.533
18	1	86.2	19			458.067

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 29						
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	87.5	8			264.305
2	2	99.3	8	1993		13.9
3	2	75.7	8	1168		267.6
4	2	58.1	8	1925		434.01
5	3	93.2	8	1395	1034	96.72
6	3	79.3	8	1310	1342	705.25
7	2	66	8	1493		404.23
8	1	77	8			74.57
9	2	92.7	8	1020		493.51
10	2	75.1	8	1191		66.14
11	2	51	8	1859		361.5
12	3	65.3	8	1357	1656	539.4

TYPE 5 PARAMETER SHEET						Rohde & Schwarz Pulse Sequencer
Trial Number : 30						
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	85.3	11			225.337
2	2	92.6	11	1970		385.68
3	3	77.3	11	1869	1635	748.12
4	3	63.4	11	1287	1208	1145.75
5	3	52.4	11	1691	1552	804.35
6	2	98.3	11	1456		432.82
7	2	89.7	11	1848		236.93
8	3	81.1	11	1895	1822	305.75
9	2	78.6	11	1979		528.5
10	3	87.6	11	1398	1722	576.5

Trial Number : 1		31	5.517	66	5.282
Bursts in Trial: 100		32	5.698	67	5.588
Burst	Hop (GHz)	33	5.311	68	5.353
1	5.515	34	5.491	69	5.648
2	5.546	35	5.459	70	5.556
3	5.629	36	5.304	71	5.395
4	5.342	37	5.302	72	5.709
5	5.479	38	5.653	73	5.399
6	5.279	39	5.566	74	5.36
7	5.486	40	5.691	75	5.397
8	5.553	41	5.341	76	5.465
9	5.582	42	5.692	77	5.303
10	5.512	43	5.46	78	5.305
11	5.398	44	5.619	79	5.307
12	5.327	45	5.324	80	5.257
13	5.372	46	5.615	81	5.501
14	5.475	47	5.689	82	5.552
15	5.664	48	5.527	83	5.522
16	5.568	49	5.641	84	5.68
17	5.528	50	5.696	85	5.375
18	5.275	51	5.468	86	5.29
19	5.569	52	5.288	87	5.467
20	5.456	53	5.477	88	5.482
21	5.287	54	5.544	89	5.638
22	5.296	55	5.643	90	5.489
23	5.559	56	5.519	91	5.376
24	5.632	57	5.623	92	5.599
25	5.61	58	5.293	93	5.506
26	5.42	59	5.657	94	5.343
27	5.697	60	5.476	95	5.598
28	5.336	61	5.707	96	5.362
29	5.301	62	5.458	97	5.313
30	5.284	63	5.591	98	5.708
		64	5.393	99	5.614
		65	5.286	100	5.645

Trial Number : 2		31	5.629	66	5.722
Bursts in Trial: 100		32	5.659	67	5.353
Burst	Hop (GHz)	33	5.349	68	5.458
1	5.443	34	5.55	69	5.251
2	5.533	35	5.607	70	5.447
3	5.529	36	5.263	71	5.638
4	5.271	37	5.394	72	5.424
5	5.402	38	5.723	73	5.282
6	5.469	39	5.431	74	5.611
7	5.45	40	5.376	75	5.697
8	5.3	41	5.576	76	5.499
9	5.295	42	5.522	77	5.608
10	5.294	43	5.717	78	5.477
11	5.397	44	5.643	79	5.518
12	5.647	45	5.36	80	5.656
13	5.314	46	5.652	81	5.567
14	5.484	47	5.588	82	5.694
15	5.481	48	5.323	83	5.348
16	5.423	49	5.269	84	5.256
17	5.648	50	5.687	85	5.413
18	5.441	51	5.455	86	5.311
19	5.578	52	5.31	87	5.719
20	5.483	53	5.27	88	5.28
21	5.337	54	5.392	89	5.596
22	5.461	55	5.264	90	5.332
23	5.711	56	5.672	91	5.328
24	5.438	57	5.553	92	5.456
25	5.321	58	5.698	93	5.428
26	5.528	59	5.496	94	5.63
27	5.46	60	5.671	95	5.384
28	5.633	61	5.571	96	5.521
29	5.324	62	5.614	97	5.501
30	5.283	63	5.293	98	5.4
		64	5.582	99	5.429
		65	5.411	100	5.398

Trial Number : 3		31	5.367	66	5.276
Bursts in Trial: 100		32	5.513	67	5.258
Burst	Hop (GHz)	33	5.676	68	5.681
1	5.706	34	5.397	69	5.345
2	5.48	35	5.402	70	5.257
3	5.536	36	5.551	71	5.72
4	5.603	37	5.584	72	5.562
5	5.438	38	5.459	73	5.619
6	5.688	39	5.33	74	5.486
7	5.509	40	5.581	75	5.661
8	5.559	41	5.613	76	5.429
9	5.39	42	5.586	77	5.554
10	5.628	43	5.609	78	5.279
11	5.412	44	5.255	79	5.265
12	5.597	45	5.621	80	5.511
13	5.641	46	5.579	81	5.261
14	5.497	47	5.588	82	5.674
15	5.627	48	5.606	83	5.525
16	5.426	49	5.452	84	5.555
17	5.715	50	5.413	85	5.398
18	5.254	51	5.659	86	5.351
19	5.271	52	5.394	87	5.38
20	5.339	53	5.347	88	5.349
21	5.516	54	5.701	89	5.467
22	5.537	55	5.415	90	5.494
23	5.273	56	5.445	91	5.472
24	5.675	57	5.424	92	5.534
25	5.431	58	5.643	93	5.285
26	5.52	59	5.531	94	5.617
27	5.582	60	5.277	95	5.462
28	5.556	61	5.546	96	5.699
29	5.672	62	5.268	97	5.305
30	5.469	63	5.46	98	5.533
		64	5.348	99	5.512
		65	5.274	100	5.383

Trial Number : 4		31	5.517	66	5.699
Bursts in Trial: 100		32	5.253	67	5.299
Burst	Hop (GHz)	33	5.684	68	5.501
1	5.405	34	5.597	69	5.31
2	5.675	35	5.636	70	5.345
3	5.535	36	5.551	71	5.283
4	5.279	37	5.507	72	5.393
5	5.43	38	5.669	73	5.645
6	5.463	39	5.639	74	5.426
7	5.313	40	5.348	75	5.455
8	5.493	41	5.304	76	5.605
9	5.641	42	5.719	77	5.408
10	5.289	43	5.352	78	5.278
11	5.604	44	5.7	79	5.474
12	5.572	45	5.599	80	5.282
13	5.708	46	5.491	81	5.458
14	5.257	47	5.634	82	5.487
15	5.635	48	5.548	83	5.4
16	5.68	49	5.353	84	5.472
17	5.631	50	5.526	85	5.388
18	5.369	51	5.689	86	5.52
19	5.704	52	5.337	87	5.57
20	5.435	53	5.697	88	5.416
21	5.562	54	5.588	89	5.3
22	5.38	55	5.267	90	5.51
23	5.384	56	5.418	91	5.683
24	5.576	57	5.713	92	5.272
25	5.721	58	5.326	93	5.311
26	5.663	59	5.269	94	5.35
27	5.271	60	5.452	95	5.256
28	5.485	61	5.439	96	5.365
29	5.363	62	5.374	97	5.525
30	5.66	63	5.521	98	5.254
		64	5.571	99	5.56
		65	5.617	100	5.413

Trial Number : 5		31	5.612	66	5.449
Bursts in Trial: 100		32	5.271	67	5.6
Burst	Hop (GHz)	33	5.601	68	5.556
		34	5.52	69	5.526
		35	5.378	70	5.628
1	5.567	36	5.642	71	5.273
2	5.397	37	5.458	72	5.412
3	5.657	38	5.643	73	5.55
4	5.477	39	5.359	74	5.524
5	5.372	40	5.256	75	5.417
6	5.419	41	5.374	76	5.713
7	5.352	42	5.633	77	5.573
8	5.411	43	5.689	78	5.557
9	5.326	44	5.464	79	5.407
10	5.64	45	5.637	80	5.609
11	5.373	46	5.421	81	5.578
12	5.258	47	5.296	82	5.488
13	5.453	48	5.413	83	5.334
14	5.7	49	5.317	84	5.685
15	5.706	50	5.638	85	5.259
16	5.68	51	5.465	86	5.25
17	5.615	52	5.36	87	5.47
18	5.501	53	5.505	88	5.663
19	5.614	54	5.386	89	5.348
20	5.381	55	5.693	90	5.279
21	5.491	56	5.544	91	5.622
22	5.589	57	5.593	92	5.66
23	5.494	58	5.452	93	5.665
24	5.514	59	5.56	94	5.537
25	5.507	60	5.555	95	5.282
26	5.659	61	5.268	96	5.306
27	5.639	62	5.319	97	5.462
28	5.311	63	5.266	98	5.395
29	5.722	64	5.313	99	5.425
30	5.312	65	5.646	100	5.592

Trial Number : 6		31	5.712	66	5.552
Bursts in Trial: 100		32	5.264	67	5.419
Burst	Hop (GHz)	33	5.385	68	5.348
1	5.496	34	5.589	69	5.429
2	5.277	35	5.648	70	5.319
3	5.578	36	5.334	71	5.694
4	5.688	37	5.617	72	5.586
5	5.705	38	5.341	73	5.679
6	5.642	39	5.677	74	5.689
7	5.318	40	5.628	75	5.362
8	5.452	41	5.349	76	5.275
9	5.683	42	5.433	77	5.274
10	5.337	43	5.686	78	5.714
11	5.473	44	5.41	79	5.299
12	5.399	45	5.405	80	5.298
13	5.474	46	5.572	81	5.469
14	5.266	47	5.663	82	5.475
15	5.403	48	5.563	83	5.416
16	5.364	49	5.703	84	5.502
17	5.307	50	5.365	85	5.647
18	5.317	51	5.303	86	5.424
19	5.671	52	5.613	87	5.665
20	5.256	53	5.327	88	5.609
21	5.39	54	5.569	89	5.377
22	5.417	55	5.347	90	5.276
23	5.536	56	5.302	91	5.466
24	5.67	57	5.27	92	5.43
25	5.372	58	5.657	93	5.724
26	5.504	59	5.267	94	5.618
27	5.333	60	5.293	95	5.282
28	5.621	61	5.356	96	5.448
29	5.428	62	5.465	97	5.56
30	5.314	63	5.674	98	5.493
		64	5.626	99	5.646
		65	5.402	100	5.409

Trial Number : 7		31	5.407	66	5.321
Bursts in Trial: 100		32	5.353	67	5.39
Burst	Hop (GHz)	33	5.426	68	5.306
1	5.57	34	5.639	69	5.456
2	5.493	35	5.715	70	5.494
3	5.596	36	5.71	71	5.652
4	5.539	37	5.54	72	5.307
5	5.533	38	5.365	73	5.507
6	5.319	39	5.377	74	5.424
7	5.339	40	5.265	75	5.514
8	5.528	41	5.558	76	5.518
9	5.718	42	5.623	77	5.714
10	5.521	43	5.648	78	5.72
11	5.595	44	5.685	79	5.391
12	5.369	45	5.691	80	5.513
13	5.527	46	5.279	81	5.302
14	5.384	47	5.283	82	5.594
15	5.546	48	5.266	83	5.471
16	5.425	49	5.395	84	5.713
17	5.473	50	5.275	85	5.413
18	5.502	51	5.499	86	5.503
19	5.291	52	5.556	87	5.467
20	5.457	53	5.289	88	5.696
21	5.345	54	5.667	89	5.466
22	5.252	55	5.448	90	5.68
23	5.431	56	5.304	91	5.403
24	5.315	57	5.693	92	5.383
25	5.452	58	5.593	93	5.672
26	5.643	59	5.709	94	5.288
27	5.261	60	5.481	95	5.682
28	5.547	61	5.488	96	5.687
29	5.278	62	5.6	97	5.572
30	5.392	63	5.46	98	5.688
		64	5.256	99	5.673
		65	5.614	100	5.468

Trial Number : 8		31	5.438	66	5.434
Bursts in Trial: 100		32	5.34	67	5.595
Burst	Hop (GHz)	33	5.258	68	5.38
1	5.473	34	5.348	69	5.463
2	5.325	35	5.393	70	5.683
3	5.491	36	5.603	71	5.554
4	5.691	37	5.559	72	5.615
5	5.373	38	5.298	73	5.376
6	5.319	39	5.335	74	5.643
7	5.449	40	5.369	75	5.455
8	5.647	41	5.29	76	5.429
9	5.368	42	5.586	77	5.651
10	5.409	43	5.687	78	5.389
11	5.556	44	5.702	79	5.423
12	5.441	45	5.539	80	5.356
13	5.483	46	5.662	81	5.634
14	5.637	47	5.596	82	5.496
15	5.316	48	5.43	83	5.614
16	5.693	49	5.639	84	5.295
17	5.716	50	5.594	85	5.372
18	5.454	51	5.291	86	5.623
19	5.584	52	5.284	87	5.561
20	5.303	53	5.421	88	5.519
21	5.457	54	5.269	89	5.49
22	5.264	55	5.558	90	5.415
23	5.676	56	5.657	91	5.471
24	5.669	57	5.666	92	5.487
25	5.53	58	5.312	93	5.367
26	5.708	59	5.512	94	5.706
27	5.44	60	5.468	95	5.4
28	5.322	61	5.314	96	5.552
29	5.445	62	5.677	97	5.579
30	5.537	63	5.466	98	5.694
		64	5.717	99	5.562
		65	5.478	100	5.317

Trial Number : 9		31	5.514	66	5.262
Bursts in Trial: 100		32	5.679	67	5.404
Burst	Hop (GHz)	33	5.417	68	5.606
1	5.329	34	5.568	69	5.383
2	5.634	35	5.594	70	5.355
3	5.42	36	5.652	71	5.288
4	5.494	37	5.442	72	5.599
5	5.266	38	5.274	73	5.551
6	5.301	39	5.298	74	5.422
7	5.6	40	5.424	75	5.536
8	5.423	41	5.716	76	5.497
9	5.471	42	5.682	77	5.347
10	5.407	43	5.689	78	5.584
11	5.637	44	5.256	79	5.451
12	5.517	45	5.621	80	5.675
13	5.628	46	5.566	81	5.319
14	5.31	47	5.708	82	5.455
15	5.297	48	5.691	83	5.321
16	5.313	49	5.639	84	5.596
17	5.378	50	5.459	85	5.419
18	5.663	51	5.626	86	5.283
19	5.661	52	5.553	87	5.251
20	5.711	53	5.412	88	5.447
21	5.325	54	5.724	89	5.326
22	5.357	55	5.456	90	5.332
23	5.699	56	5.516	91	5.624
24	5.368	57	5.683	92	5.53
25	5.427	58	5.532	93	5.393
26	5.371	59	5.304	94	5.349
27	5.311	60	5.678	95	5.607
28	5.265	61	5.531	96	5.522
29	5.565	62	5.597	97	5.337
30	5.52	63	5.59	98	5.452
		64	5.705	99	5.702
		65	5.508	100	5.54

Trial Number : 10		31	5.402	66	5.55
Bursts in Trial: 100		32	5.385	67	5.449
Burst	Hop (GHz)	33	5.711	68	5.422
1	5.663	34	5.305	69	5.608
2	5.563	35	5.503	70	5.607
3	5.579	36	5.334	71	5.455
4	5.63	37	5.457	72	5.359
5	5.549	38	5.672	73	5.34
6	5.27	39	5.476	74	5.448
7	5.708	40	5.568	75	5.446
8	5.301	41	5.514	76	5.64
9	5.383	42	5.647	77	5.468
10	5.53	43	5.618	78	5.574
11	5.333	44	5.349	79	5.523
12	5.464	45	5.454	80	5.552
13	5.478	46	5.517	81	5.721
14	5.354	47	5.441	82	5.403
15	5.44	48	5.719	83	5.488
16	5.364	49	5.487	84	5.525
17	5.4	50	5.456	85	5.253
18	5.282	51	5.555	86	5.264
19	5.42	52	5.439	87	5.485
20	5.452	53	5.49	88	5.418
21	5.417	54	5.692	89	5.331
22	5.699	55	5.507	90	5.589
23	5.54	56	5.469	91	5.595
24	5.365	57	5.688	92	5.375
25	5.342	58	5.278	93	5.3
26	5.307	59	5.635	94	5.694
27	5.425	60	5.527	95	5.279
28	5.712	61	5.72	96	5.265
29	5.302	62	5.529	97	5.486
30	5.277	63	5.674	98	5.642
		64	5.591	99	5.667
		65	5.581	100	5.266

Trial Number : 11		31	5.281	66	5.526
Bursts in Trial: 100		32	5.542	67	5.618
Burst	Hop (GHz)	33	5.468	68	5.642
1	5.64	34	5.629	69	5.598
2	5.336	35	5.447	70	5.429
3	5.397	36	5.25	71	5.326
4	5.708	37	5.601	72	5.414
5	5.54	38	5.625	73	5.597
6	5.405	39	5.416	74	5.676
7	5.552	40	5.478	75	5.572
8	5.689	41	5.594	76	5.39
9	5.283	42	5.631	77	5.282
10	5.306	43	5.502	78	5.621
11	5.311	44	5.45	79	5.345
12	5.36	45	5.263	80	5.451
13	5.369	46	5.679	81	5.516
14	5.439	47	5.432	82	5.313
15	5.284	48	5.312	83	5.296
16	5.644	49	5.435	84	5.486
17	5.481	50	5.636	85	5.424
18	5.28	51	5.394	86	5.527
19	5.441	52	5.462	87	5.647
20	5.421	53	5.258	88	5.317
21	5.422	54	5.544	89	5.709
22	5.348	55	5.677	90	5.418
23	5.656	56	5.489	91	5.588
24	5.582	57	5.329	92	5.564
25	5.553	58	5.62	93	5.304
26	5.547	59	5.412	94	5.587
27	5.35	60	5.262	95	5.568
28	5.423	61	5.494	96	5.482
29	5.528	62	5.61	97	5.683
30	5.38	63	5.289	98	5.534
		64	5.569	99	5.465
		65	5.417	100	5.536

Trial Number : 12		31	5.695	66	5.308
Bursts in Trial: 100		32	5.514	67	5.439
Burst	Hop (GHz)	33	5.363	68	5.405
1	5.677	34	5.454	69	5.569
2	5.424	35	5.285	70	5.49
3	5.299	36	5.302	71	5.444
4	5.499	37	5.579	72	5.463
5	5.365	38	5.366	73	5.403
6	5.297	39	5.298	74	5.592
7	5.437	40	5.386	75	5.304
8	5.691	41	5.682	76	5.538
9	5.608	42	5.539	77	5.336
10	5.711	43	5.624	78	5.425
11	5.351	44	5.56	79	5.693
12	5.289	45	5.52	80	5.513
13	5.47	46	5.453	81	5.638
14	5.63	47	5.652	82	5.268
15	5.394	48	5.636	83	5.398
16	5.641	49	5.435	84	5.34
17	5.534	50	5.583	85	5.567
18	5.415	51	5.701	86	5.565
19	5.325	52	5.391	87	5.479
20	5.683	53	5.332	88	5.329
21	5.715	54	5.3	89	5.557
22	5.361	55	5.511	90	5.625
23	5.57	56	5.707	91	5.43
24	5.252	57	5.44	92	5.673
25	5.506	58	5.58	93	5.642
26	5.563	59	5.59	94	5.723
27	5.639	60	5.65	95	5.469
28	5.431	61	5.35	96	5.657
29	5.665	62	5.466	97	5.69
30	5.556	63	5.309	98	5.345
		64	5.334	99	5.313
		65	5.364	100	5.529

Trial Number : 13		31	5.378	66	5.458
Bursts in Trial: 100		32	5.552	67	5.496
Burst	Hop (GHz)	33	5.395	68	5.663
1	5.264	34	5.286	69	5.551
2	5.333	35	5.569	70	5.472
3	5.594	36	5.445	71	5.697
4	5.46	37	5.358	72	5.656
5	5.257	38	5.356	73	5.251
6	5.528	39	5.521	74	5.27
7	5.372	40	5.635	75	5.403
8	5.406	41	5.431	76	5.587
9	5.399	42	5.699	77	5.353
10	5.39	43	5.532	78	5.531
11	5.491	44	5.509	79	5.705
12	5.643	45	5.713	80	5.474
13	5.277	46	5.645	81	5.555
14	5.414	47	5.718	82	5.553
15	5.6	48	5.384	83	5.396
16	5.456	49	5.724	84	5.668
17	5.632	50	5.714	85	5.712
18	5.269	51	5.487	86	5.698
19	5.404	52	5.455	87	5.642
20	5.398	53	5.393	88	5.481
21	5.63	54	5.41	89	5.651
22	5.413	55	5.562	90	5.416
23	5.314	56	5.295	91	5.3
24	5.633	57	5.605	92	5.516
25	5.354	58	5.602	93	5.319
26	5.62	59	5.428	94	5.429
27	5.696	60	5.29	95	5.261
28	5.524	61	5.418	96	5.254
29	5.375	62	5.275	97	5.581
30	5.517	63	5.258	98	5.683
		64	5.658	99	5.558
		65	5.479	100	5.638

Trial Number : 14		31	5.298	66	5.476
Bursts in Trial: 100		32	5.479	67	5.427
Burst	Hop (GHz)	33	5.278	68	5.308
1	5.576	34	5.418	69	5.603
2	5.456	35	5.658	70	5.384
3	5.435	36	5.446	71	5.464
4	5.32	37	5.634	72	5.442
5	5.618	38	5.546	73	5.665
6	5.622	39	5.473	74	5.501
7	5.416	40	5.556	75	5.702
8	5.251	41	5.431	76	5.669
9	5.56	42	5.483	77	5.701
10	5.314	43	5.5	78	5.679
11	5.392	44	5.405	79	5.3
12	5.362	45	5.661	80	5.322
13	5.421	46	5.677	81	5.53
14	5.502	47	5.598	82	5.548
15	5.425	48	5.714	83	5.37
16	5.434	49	5.361	84	5.528
17	5.497	50	5.711	85	5.566
18	5.42	51	5.582	86	5.311
19	5.642	52	5.544	87	5.526
20	5.613	53	5.365	88	5.256
21	5.721	54	5.62	89	5.529
22	5.675	55	5.411	90	5.335
23	5.391	56	5.532	91	5.36
24	5.496	57	5.607	92	5.424
25	5.695	58	5.535	93	5.344
26	5.574	59	5.524	94	5.306
27	5.459	60	5.688	95	5.486
28	5.482	61	5.628	96	5.674
29	5.592	62	5.514	97	5.375
30	5.39	63	5.417	98	5.376
		64	5.571	99	5.288
		65	5.673	100	5.512

Trial Number : 15		31	5.603	66	5.281
Bursts in Trial: 100		32	5.484	67	5.305
Burst	Hop (GHz)	33	5.273	68	5.704
1	5.255	34	5.312	69	5.641
2	5.464	35	5.428	70	5.468
3	5.4	36	5.606	71	5.367
4	5.275	37	5.524	72	5.25
5	5.318	38	5.638	73	5.5
6	5.584	39	5.562	74	5.399
7	5.671	40	5.516	75	5.513
8	5.268	41	5.478	76	5.301
9	5.436	42	5.691	77	5.656
10	5.713	43	5.56	78	5.396
11	5.64	44	5.636	79	5.398
12	5.493	45	5.522	80	5.362
13	5.409	46	5.262	81	5.379
14	5.307	47	5.465	82	5.419
15	5.711	48	5.705	83	5.441
16	5.599	49	5.343	84	5.685
17	5.299	50	5.698	85	5.529
18	5.378	51	5.472	86	5.635
19	5.363	52	5.327	87	5.471
20	5.658	53	5.558	88	5.576
21	5.304	54	5.415	89	5.433
22	5.485	55	5.6	90	5.574
23	5.593	56	5.338	91	5.689
24	5.537	57	5.581	92	5.607
25	5.535	58	5.553	93	5.257
26	5.662	59	5.356	94	5.368
27	5.625	60	5.448	95	5.438
28	5.442	61	5.341	96	5.437
29	5.536	62	5.709	97	5.44
30	5.33	63	5.391	98	5.626
		64	5.604	99	5.67
		65	5.595	100	5.665

Trial Number : 16		31	5.512	66	5.682
Bursts in Trial: 100		32	5.271	67	5.579
Burst	Hop (GHz)	33	5.347	68	5.462
1	5.654	34	5.548	69	5.679
2	5.537	35	5.495	70	5.611
3	5.7	36	5.318	71	5.461
4	5.334	37	5.25	72	5.394
5	5.723	38	5.602	73	5.713
6	5.29	39	5.364	74	5.299
7	5.268	40	5.302	75	5.298
8	5.526	41	5.442	76	5.601
9	5.643	42	5.547	77	5.361
10	5.43	43	5.3	78	5.283
11	5.509	44	5.435	79	5.536
12	5.529	45	5.258	80	5.663
13	5.624	46	5.487	81	5.373
14	5.684	47	5.425	82	5.687
15	5.439	48	5.366	83	5.692
16	5.508	49	5.463	84	5.588
17	5.709	50	5.374	85	5.698
18	5.471	51	5.702	86	5.71
19	5.708	52	5.634	87	5.656
20	5.565	53	5.636	88	5.391
21	5.67	54	5.58	89	5.379
22	5.263	55	5.358	90	5.451
23	5.437	56	5.564	91	5.553
24	5.711	57	5.62	92	5.445
25	5.336	58	5.328	93	5.511
26	5.281	59	5.478	94	5.459
27	5.403	60	5.344	95	5.37
28	5.546	61	5.416	96	5.421
29	5.376	62	5.386	97	5.489
30	5.305	63	5.573	98	5.288
		64	5.476	99	5.49
		65	5.554	100	5.36

Trial Number : 17		31	5.312	66	5.459
Bursts in Trial: 100		32	5.417	67	5.317
Burst	Hop (GHz)	33	5.297	68	5.528
1	5.382	34	5.41	69	5.571
2	5.501	35	5.489	70	5.34
3	5.344	36	5.454	71	5.423
4	5.717	37	5.415	72	5.438
5	5.723	38	5.614	73	5.307
6	5.653	39	5.621	74	5.275
7	5.443	40	5.648	75	5.637
8	5.538	41	5.298	76	5.514
9	5.58	42	5.304	77	5.337
10	5.422	43	5.705	78	5.374
11	5.292	44	5.561	79	5.395
12	5.4	45	5.477	80	5.444
13	5.356	46	5.487	81	5.37
14	5.699	47	5.44	82	5.613
15	5.651	48	5.319	83	5.679
16	5.522	49	5.432	84	5.547
17	5.664	50	5.693	85	5.658
18	5.692	51	5.52	86	5.325
19	5.68	52	5.569	87	5.555
20	5.409	53	5.666	88	5.591
21	5.649	54	5.557	89	5.468
22	5.516	55	5.371	90	5.461
23	5.413	56	5.512	91	5.689
24	5.612	57	5.558	92	5.267
25	5.39	58	5.372	93	5.252
26	5.546	59	5.365	94	5.258
27	5.515	60	5.5	95	5.47
28	5.627	61	5.311	96	5.683
29	5.721	62	5.565	97	5.554
30	5.707	63	5.358	98	5.521
		64	5.684	99	5.632
		65	5.518	100	5.669

Trial Number : 18		31	5.274	66	5.626
Bursts in Trial: 100		32	5.258	67	5.471
Burst	Hop (GHz)	33	5.345	68	5.464
1	5.561	34	5.482	69	5.379
2	5.598	35	5.301	70	5.665
3	5.426	36	5.526	71	5.401
4	5.501	37	5.404	72	5.331
5	5.566	38	5.637	73	5.424
6	5.27	39	5.525	74	5.608
7	5.305	40	5.617	75	5.535
8	5.582	41	5.54	76	5.415
9	5.584	42	5.544	77	5.678
10	5.715	43	5.639	78	5.295
11	5.72	44	5.618	79	5.361
12	5.703	45	5.53	80	5.57
13	5.518	46	5.365	81	5.474
14	5.291	47	5.547	82	5.308
15	5.273	48	5.497	83	5.692
16	5.46	49	5.335	84	5.336
17	5.704	50	5.643	85	5.385
18	5.381	51	5.468	86	5.563
19	5.255	52	5.303	87	5.711
20	5.443	53	5.267	88	5.648
21	5.702	54	5.312	89	5.69
22	5.503	55	5.51	90	5.439
23	5.638	56	5.469	91	5.576
24	5.666	57	5.56	92	5.58
25	5.641	58	5.259	93	5.664
26	5.311	59	5.625	94	5.288
27	5.483	60	5.47	95	5.271
28	5.681	61	5.383	96	5.688
29	5.686	62	5.358	97	5.651
30	5.674	63	5.675	98	5.489
		64	5.529	99	5.327
		65	5.457	100	5.572

Trial Number : 19		31	5.315	66	5.483
Bursts in Trial: 100		32	5.543	67	5.628
Burst	Hop (GHz)	33	5.378	68	5.497
1	5.68	34	5.283	69	5.603
2	5.37	35	5.676	70	5.418
3	5.544	36	5.571	71	5.649
4	5.469	37	5.348	72	5.724
5	5.309	38	5.519	73	5.665
6	5.377	39	5.256	74	5.406
7	5.398	40	5.575	75	5.304
8	5.334	41	5.522	76	5.542
9	5.385	42	5.376	77	5.597
10	5.4	43	5.641	78	5.453
11	5.485	44	5.281	79	5.312
12	5.462	45	5.527	80	5.28
13	5.618	46	5.375	81	5.509
14	5.326	47	5.685	82	5.291
15	5.567	48	5.45	83	5.723
16	5.526	49	5.401	84	5.475
17	5.62	50	5.261	85	5.265
18	5.636	51	5.269	86	5.687
19	5.445	52	5.619	87	5.64
20	5.663	53	5.331	88	5.559
21	5.481	54	5.282	89	5.368
22	5.313	55	5.421	90	5.251
23	5.412	56	5.697	91	5.653
24	5.48	57	5.432	92	5.264
25	5.616	58	5.671	93	5.698
26	5.321	59	5.441	94	5.34
27	5.486	60	5.592	95	5.273
28	5.691	61	5.362	96	5.382
29	5.414	62	5.351	97	5.524
30	5.574	63	5.694	98	5.435
		64	5.426	99	5.374
		65	5.553	100	5.521

Trial Number : 20		31	5.345	66	5.391
Bursts in Trial: 100		32	5.562	67	5.269
Burst	Hop (GHz)	33	5.677	68	5.542
		34	5.3	69	5.53
		35	5.555	70	5.682
1	5.645	36	5.482	71	5.498
2	5.696	37	5.659	72	5.474
3	5.684	38	5.558	73	5.657
4	5.464	39	5.473	74	5.336
5	5.438	40	5.467	75	5.509
6	5.628	41	5.669	76	5.398
7	5.58	42	5.674	77	5.601
8	5.268	43	5.41	78	5.66
9	5.597	44	5.448	79	5.376
10	5.672	45	5.6	80	5.386
11	5.654	46	5.679	81	5.344
12	5.554	47	5.45	82	5.451
13	5.709	48	5.441	83	5.39
14	5.571	49	5.483	84	5.531
15	5.54	50	5.713	85	5.718
16	5.338	51	5.565	86	5.523
17	5.262	52	5.655	87	5.354
18	5.712	53	5.426	88	5.284
19	5.723	54	5.445	89	5.513
20	5.704	55	5.687	90	5.471
21	5.384	56	5.715	91	5.271
22	5.547	57	5.651	92	5.48
23	5.273	58	5.722	93	5.64
24	5.724	59	5.548	94	5.465
25	5.561	60	5.408	95	5.369
26	5.356	61	5.707	96	5.294
27	5.333	62	5.517	97	5.59
28	5.4	63	5.609	98	5.551
29	5.444	64	5.403	99	5.698
30	5.368	65	5.635	100	5.549

Trial Number : 21		31	5.266	66	5.716
Bursts in Trial: 100		32	5.446	67	5.588
Burst	Hop (GHz)	33	5.679	68	5.479
1	5.632	34	5.333	69	5.683
2	5.338	35	5.656	70	5.271
3	5.252	36	5.302	71	5.374
4	5.65	37	5.706	72	5.597
5	5.516	38	5.464	73	5.393
6	5.353	39	5.645	74	5.251
7	5.308	40	5.363	75	5.383
8	5.438	41	5.585	76	5.253
9	5.423	42	5.324	77	5.721
10	5.659	43	5.331	78	5.387
11	5.635	44	5.571	79	5.285
12	5.349	45	5.409	80	5.256
13	5.287	46	5.676	81	5.594
14	5.359	47	5.274	82	5.526
15	5.488	48	5.551	83	5.396
16	5.43	49	5.477	84	5.35
17	5.524	50	5.674	85	5.595
18	5.509	51	5.386	86	5.64
19	5.719	52	5.457	87	5.639
20	5.491	53	5.667	88	5.567
21	5.46	54	5.291	89	5.673
22	5.342	55	5.624	90	5.399
23	5.718	56	5.484	91	5.53
24	5.472	57	5.355	92	5.722
25	5.499	58	5.278	93	5.654
26	5.351	59	5.661	94	5.724
27	5.617	60	5.311	95	5.529
28	5.312	61	5.461	96	5.294
29	5.414	62	5.305	97	5.433
30	5.55	63	5.286	98	5.497
		64	5.606	99	5.564
		65	5.369	100	5.348

Trial Number : 22		31	5.554	66	5.621
Bursts in Trial: 100		32	5.29	67	5.66
Burst	Hop (GHz)	33	5.262	68	5.491
1	5.341	34	5.472	69	5.723
2	5.54	35	5.385	70	5.603
3	5.61	36	5.352	71	5.487
4	5.279	37	5.344	72	5.504
5	5.47	38	5.442	73	5.391
6	5.375	39	5.643	74	5.519
7	5.573	40	5.376	75	5.577
8	5.3	41	5.382	76	5.338
9	5.669	42	5.671	77	5.276
10	5.497	43	5.575	78	5.389
11	5.476	44	5.339	79	5.444
12	5.518	45	5.724	80	5.628
13	5.595	46	5.293	81	5.393
14	5.609	47	5.714	82	5.332
15	5.312	48	5.552	83	5.443
16	5.605	49	5.305	84	5.303
17	5.372	50	5.325	85	5.686
18	5.506	51	5.432	86	5.543
19	5.673	52	5.346	87	5.381
20	5.586	53	5.623	88	5.285
21	5.529	54	5.335	89	5.534
22	5.548	55	5.532	90	5.648
23	5.536	56	5.302	91	5.702
24	5.492	57	5.4	92	5.67
25	5.652	58	5.481	93	5.682
26	5.358	59	5.441	94	5.501
27	5.631	60	5.541	95	5.64
28	5.668	61	5.608	96	5.672
29	5.416	62	5.282	97	5.602
30	5.478	63	5.327	98	5.689
		64	5.398	99	5.59
		65	5.359	100	5.604

Trial Number : 23		31	5.404	66	5.556
Bursts in Trial: 100		32	5.44	67	5.443
Burst	Hop (GHz)	33	5.259	68	5.524
		34	5.362	69	5.617
		35	5.505	70	5.607
1	5.632	36	5.542	71	5.67
2	5.592	37	5.604	72	5.712
3	5.621	38	5.519	73	5.533
4	5.658	39	5.286	74	5.692
5	5.305	40	5.699	75	5.439
6	5.372	41	5.538	76	5.578
7	5.326	42	5.336	77	5.273
8	5.351	43	5.346	78	5.677
9	5.34	44	5.363	79	5.57
10	5.41	45	5.568	80	5.598
11	5.523	46	5.313	81	5.585
12	5.58	47	5.303	82	5.395
13	5.275	48	5.427	83	5.596
14	5.701	49	5.396	84	5.276
15	5.51	50	5.256	85	5.375
16	5.466	51	5.601	86	5.705
17	5.461	52	5.498	87	5.364
18	5.503	53	5.681	88	5.43
19	5.707	54	5.425	89	5.442
20	5.687	55	5.365	90	5.45
21	5.416	56	5.577	91	5.409
22	5.369	57	5.566	92	5.322
23	5.587	58	5.316	93	5.449
24	5.62	59	5.462	94	5.698
25	5.446	60	5.499	95	5.447
26	5.324	61	5.331	96	5.257
27	5.445	62	5.586	97	5.603
28	5.496	63	5.307	98	5.487
29	5.408	64	5.47	99	5.614
30	5.686	65	5.378	100	5.295

Trial Number : 24		31	5.262	66	5.419
Bursts in Trial: 100		32	5.303	67	5.405
Burst	Hop (GHz)	33	5.283	68	5.72
		34	5.255	69	5.666
		35	5.643	70	5.264
1	5.435	36	5.427	71	5.388
2	5.583	37	5.389	72	5.631
3	5.539	38	5.711	73	5.361
4	5.259	39	5.274	74	5.258
5	5.569	40	5.695	75	5.5
6	5.557	41	5.56	76	5.581
7	5.27	42	5.256	77	5.32
8	5.588	43	5.509	78	5.386
9	5.468	44	5.713	79	5.51
10	5.376	45	5.697	80	5.31
11	5.707	46	5.58	81	5.699
12	5.428	47	5.549	82	5.292
13	5.484	48	5.412	83	5.66
14	5.453	49	5.579	84	5.628
15	5.477	50	5.517	85	5.495
16	5.447	51	5.298	86	5.649
17	5.558	52	5.663	87	5.421
18	5.351	53	5.359	88	5.268
19	5.7	54	5.392	89	5.691
20	5.541	55	5.704	90	5.698
21	5.429	56	5.4	91	5.562
22	5.383	57	5.626	92	5.44
23	5.526	58	5.659	93	5.416
24	5.459	59	5.43	94	5.496
25	5.645	60	5.338	95	5.29
26	5.368	61	5.689	96	5.347
27	5.709	62	5.309	97	5.624
28	5.476	63	5.462	98	5.279
29	5.395	64	5.715	99	5.432
30	5.324	65	5.465	100	5.596

Trial Number : 25		31	5.705	66	5.481
Bursts in Trial: 100		32	5.415	67	5.291
Burst	Hop (GHz)	33	5.364	68	5.28
1	5.39	34	5.267	69	5.437
2	5.513	35	5.41	70	5.598
3	5.48	36	5.357	71	5.424
4	5.315	37	5.366	72	5.496
5	5.629	38	5.43	73	5.663
6	5.435	39	5.443	74	5.55
7	5.351	40	5.506	75	5.333
8	5.709	41	5.715	76	5.372
9	5.413	42	5.553	77	5.336
10	5.645	43	5.294	78	5.531
11	5.292	44	5.361	79	5.69
12	5.642	45	5.405	80	5.284
13	5.313	46	5.286	81	5.399
14	5.606	47	5.567	82	5.371
15	5.522	48	5.634	83	5.682
16	5.59	49	5.376	84	5.53
17	5.647	50	5.277	85	5.668
18	5.509	51	5.568	86	5.461
19	5.554	52	5.555	87	5.693
20	5.329	53	5.572	88	5.707
21	5.358	54	5.543	89	5.421
22	5.63	55	5.327	90	5.71
23	5.442	56	5.335	91	5.536
24	5.278	57	5.545	92	5.312
25	5.652	58	5.655	93	5.402
26	5.5	59	5.253	94	5.518
27	5.464	60	5.452	95	5.308
28	5.527	61	5.556	96	5.384
29	5.268	62	5.408	97	5.637
30	5.697	63	5.412	98	5.369
		64	5.61	99	5.416
		65	5.542	100	5.575

Trial Number : 26		31	5.595	66	5.31
Bursts in Trial: 100		32	5.651	67	5.343
Burst	Hop (GHz)	33	5.533	68	5.312
		34	5.383	69	5.717
		35	5.398	70	5.477
1	5.592	36	5.289	71	5.273
2	5.386	37	5.365	72	5.329
3	5.646	38	5.488	73	5.311
4	5.571	39	5.548	74	5.333
5	5.356	40	5.296	75	5.52
6	5.512	41	5.598	76	5.622
7	5.607	42	5.413	77	5.51
8	5.393	43	5.479	78	5.389
9	5.485	44	5.285	79	5.695
10	5.379	45	5.684	80	5.676
11	5.509	46	5.297	81	5.391
12	5.715	47	5.268	82	5.282
13	5.374	48	5.492	83	5.416
14	5.576	49	5.41	84	5.405
15	5.439	50	5.253	85	5.364
16	5.255	51	5.641	86	5.68
17	5.307	52	5.532	87	5.384
18	5.618	53	5.451	88	5.342
19	5.575	54	5.464	89	5.363
20	5.69	55	5.313	90	5.325
21	5.456	56	5.302	91	5.308
22	5.716	57	5.694	92	5.671
23	5.639	58	5.552	93	5.634
24	5.276	59	5.631	94	5.284
25	5.454	60	5.611	95	5.475
26	5.553	61	5.465	96	5.663
27	5.259	62	5.435	97	5.315
28	5.649	63	5.423	98	5.281
29	5.381	64	5.34	99	5.556
30	5.474	65	5.72	100	5.487

Trial Number : 27		31	5.603	66	5.6
Bursts in Trial: 100		32	5.535	67	5.399
Burst	Hop (GHz)	33	5.551	68	5.687
1	5.677	34	5.646	69	5.577
2	5.387	35	5.358	70	5.319
3	5.703	36	5.313	71	5.631
4	5.458	37	5.714	72	5.388
5	5.308	38	5.329	73	5.389
6	5.604	39	5.31	74	5.375
7	5.305	40	5.346	75	5.473
8	5.412	41	5.61	76	5.342
9	5.611	42	5.265	77	5.384
10	5.55	43	5.713	78	5.624
11	5.403	44	5.324	79	5.27
12	5.253	45	5.341	80	5.289
13	5.583	46	5.477	81	5.663
14	5.444	47	5.392	82	5.536
15	5.256	48	5.394	83	5.72
16	5.71	49	5.587	84	5.478
17	5.591	50	5.302	85	5.422
18	5.567	51	5.673	86	5.528
19	5.281	52	5.443	87	5.471
20	5.432	53	5.595	88	5.255
21	5.692	54	5.635	89	5.49
22	5.282	55	5.436	90	5.702
23	5.426	56	5.684	91	5.364
24	5.352	57	5.69	92	5.485
25	5.674	58	5.569	93	5.474
26	5.251	59	5.378	94	5.511
27	5.572	60	5.527	95	5.723
28	5.446	61	5.463	96	5.707
29	5.557	62	5.512	97	5.518
30	5.264	63	5.298	98	5.564
		64	5.556	99	5.59
		65	5.636	100	5.602

Trial Number : 28		31	5.259	66	5.593
Bursts in Trial: 100		32	5.61	67	5.494
Burst	Hop (GHz)	33	5.304	68	5.71
1	5.533	34	5.62	69	5.673
2	5.409	35	5.551	70	5.325
3	5.385	36	5.344	71	5.302
4	5.626	37	5.275	72	5.534
5	5.676	38	5.596	73	5.432
6	5.264	39	5.262	74	5.597
7	5.541	40	5.424	75	5.677
8	5.685	41	5.565	76	5.408
9	5.692	42	5.319	77	5.371
10	5.552	43	5.278	78	5.584
11	5.607	44	5.51	79	5.671
12	5.592	45	5.611	80	5.659
13	5.672	46	5.598	81	5.419
14	5.66	47	5.435	82	5.338
15	5.623	48	5.436	83	5.263
16	5.712	49	5.489	84	5.667
17	5.428	50	5.604	85	5.455
18	5.698	51	5.475	86	5.687
19	5.378	52	5.485	87	5.271
20	5.64	53	5.572	88	5.446
21	5.656	54	5.486	89	5.474
22	5.266	55	5.265	90	5.528
23	5.462	56	5.342	91	5.464
24	5.603	57	5.469	92	5.355
25	5.442	58	5.292	93	5.453
26	5.708	59	5.562	94	5.547
27	5.701	60	5.445	95	5.426
28	5.298	61	5.407	96	5.341
29	5.383	62	5.322	97	5.365
30	5.307	63	5.308	98	5.53
		64	5.388	99	5.348
		65	5.619	100	5.288

Trial Number : 29		31	5.504	66	5.572
Bursts in Trial: 100		32	5.412	67	5.414
Burst	Hop (GHz)	33	5.421	68	5.621
1	5.72	34	5.25	69	5.66
2	5.422	35	5.441	70	5.308
3	5.704	36	5.554	71	5.283
4	5.541	37	5.256	72	5.515
5	5.518	38	5.351	73	5.303
6	5.625	39	5.4	74	5.462
7	5.64	40	5.475	75	5.392
8	5.459	41	5.289	76	5.59
9	5.487	42	5.499	77	5.516
10	5.636	43	5.576	78	5.716
11	5.507	44	5.426	79	5.538
12	5.344	45	5.579	80	5.681
13	5.291	46	5.456	81	5.306
14	5.634	47	5.317	82	5.302
15	5.67	48	5.637	83	5.537
16	5.403	49	5.394	84	5.347
17	5.631	50	5.329	85	5.467
18	5.319	51	5.398	86	5.56
19	5.297	52	5.428	87	5.473
20	5.647	53	5.563	88	5.447
21	5.643	54	5.667	89	5.282
22	5.549	55	5.305	90	5.489
23	5.61	56	5.611	91	5.259
24	5.558	57	5.721	92	5.332
25	5.53	58	5.614	93	5.711
26	5.345	59	5.472	94	5.709
27	5.451	60	5.508	95	5.723
28	5.277	61	5.561	96	5.286
29	5.279	62	5.547	97	5.457
30	5.485	63	5.688	98	5.517
		64	5.529	99	5.292
		65	5.505	100	5.575

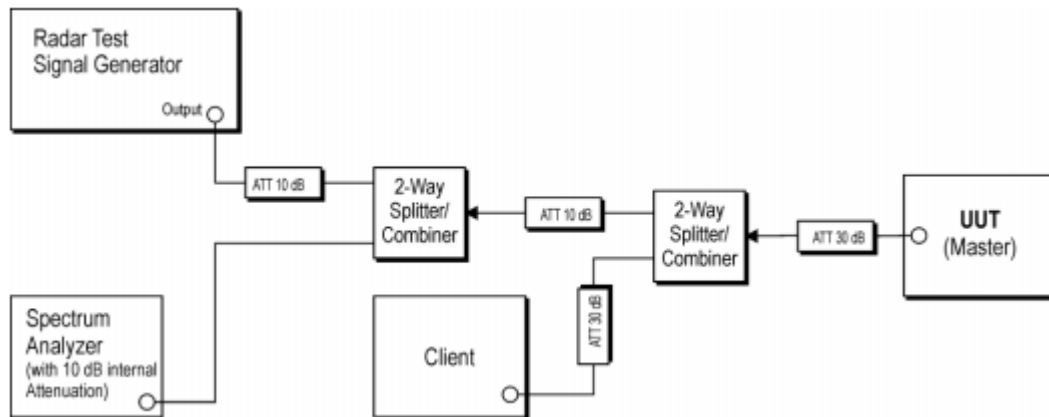
Trial Number : 30		31	5.45	66	5.295
Bursts in Trial: 100		32	5.687	67	5.347
Burst	Hop (GHz)	33	5.506	68	5.722
1	5.348	34	5.692	69	5.683
2	5.527	35	5.638	70	5.461
3	5.394	36	5.674	71	5.717
4	5.611	37	5.653	72	5.359
5	5.512	38	5.523	73	5.6
6	5.401	39	5.318	74	5.671
7	5.587	40	5.259	75	5.576
8	5.688	41	5.497	76	5.409
9	5.631	42	5.365	77	5.567
10	5.628	43	5.697	78	5.456
11	5.435	44	5.679	79	5.344
12	5.665	45	5.44	80	5.31
13	5.593	46	5.68	81	5.711
14	5.294	47	5.405	82	5.363
15	5.657	48	5.581	83	5.708
16	5.444	49	5.618	84	5.289
17	5.502	50	5.704	85	5.65
18	5.592	51	5.267	86	5.414
19	5.542	52	5.541	87	5.518
20	5.458	53	5.353	88	5.643
21	5.629	54	5.398	89	5.552
22	5.304	55	5.467	90	5.352
23	5.669	56	5.324	91	5.491
24	5.543	57	5.427	92	5.393
25	5.332	58	5.323	93	5.333
26	5.48	59	5.449	94	5.574
27	5.539	60	5.691	95	5.501
28	5.297	61	5.374	96	5.515
29	5.282	62	5.613	97	5.298
30	5.26	63	5.637	98	5.41
		64	5.507	99	5.719
		65	5.634	100	5.436

6.8. Channel Move Time, Channel Closing Transmission Time

TEST LIMIT

The EUT has In-Service Monitoring function to continuously monitor the radar signals. If the radar is detected, must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current channel upon detection of a Radar Waveform above the DFS Detection Threshold within 10 sec. The total duration of Channel Closing Transmission Time is 260ms, consisting of data signals and the aggregate of control signals, by a U-NII device during the Channel Move Time.

TEST CONFIGURATION



TEST PROCEDURE

- The test should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0.
- When the radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. A U-NII device operating as a Master Device will associate with the Client Device at Channel. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test. At time T0 the Radar Waveform generator sends a Burst of pulses for each of the radar types at Detection Threshold + 1dB.
- Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel. Measure and record the transmissions from the EUT during the observation time (Channel Move Time).
- Measurement of the aggregate duration of the Channel Closing Transmission Time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by: $Dwell (1.5ms) = S (12 \text{ sec}) / B (8000)$; where Dwell is the dwell time per spectrum analyzer sampling bin, S is the sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of Channel Closing Transmission Time is calculated by: 80MHz: $C = N \times Dwell$; where C is the Closing Time, N is the number of spectrum analyzer sampling bins showing a U-NII transmission and Dwell is the dwell time per bin.

TEST MODE:

Please refer to the clause 4.2

TEST RESULTS

Passed **Not Applicable**

TEST DATA

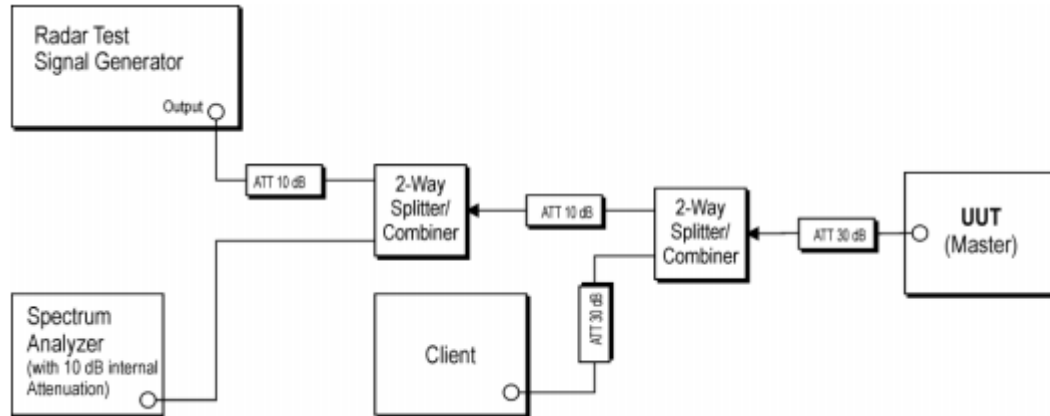
Please refer to appendix F on the appendix report

6.9. Non-Occupancy Period

TEST LIMIT

The Non-Occupancy Period time is 30 minute during which a Channel will not be utilized after a Radar Waveform is detected on that Channel.

TEST CONFIGURATION



TEST PROCEDURE

- The test should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0.
- When the radar burst with a level equal to the DFS Detection Threshold + 1dB is generated on the Operating Channel of the U-NII device. A U-NII device operating as a Master Device will associate with the Client Device at Channel. Stream the MPEG test file from the Master Device to the Client Device on the selected Channel for the entire period of the test. At time T0 the Radar Waveform generator sends a Burst of pulses for each of the radar types at Detection Threshold + 1dB.
- Measure the EUT for more than 30 minutes following the channel close/move time to verify that the EUT does not resume any transmissions on this Channel.

TEST MODE:

Please refer to the clause 4.2

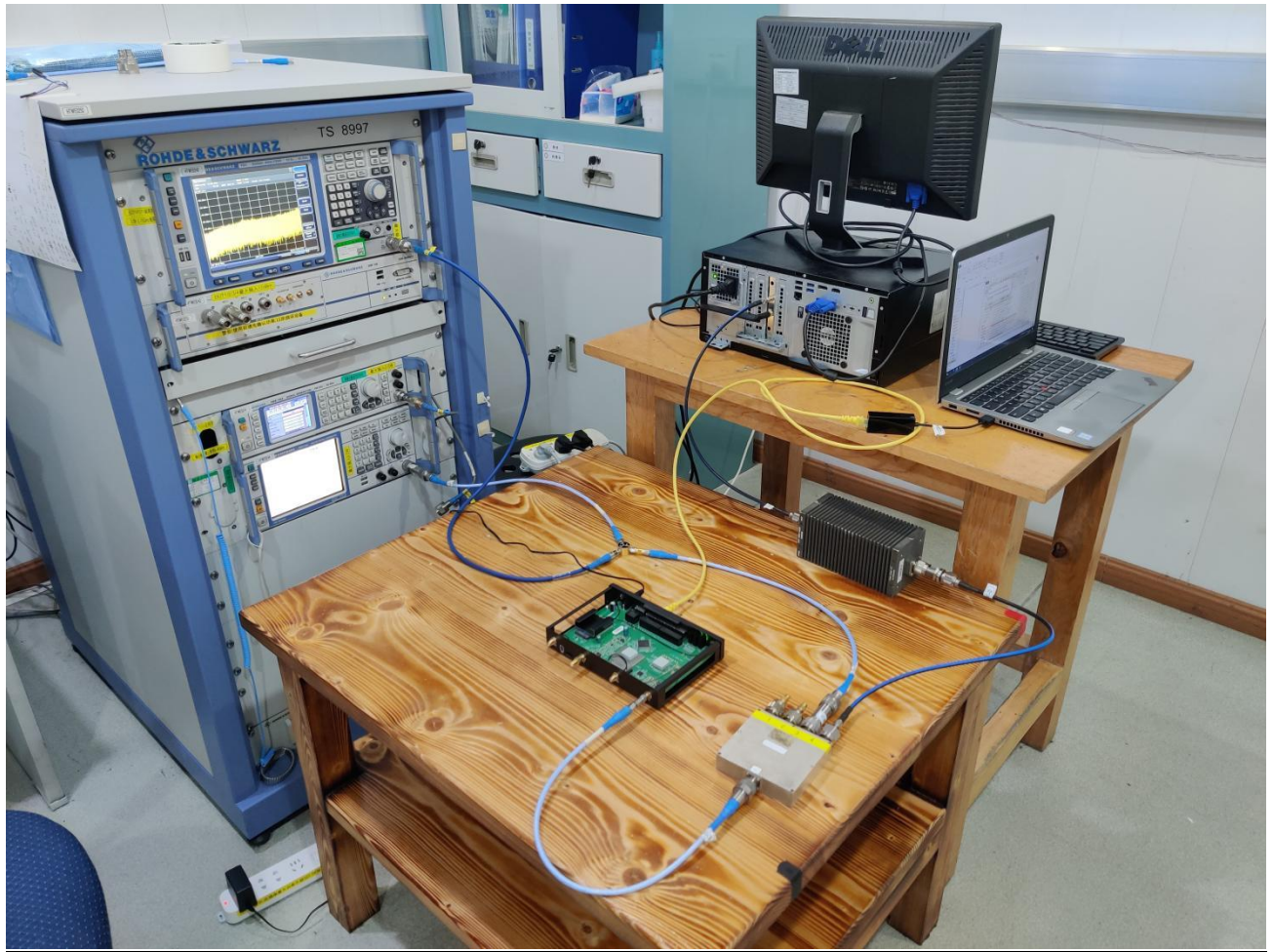
TEST RESULTS

Passed Not Applicable

TEST DATA

Please refer to appendix G on the appendix report

7. TEST SETUP PHOTOS



8. EXTERANAL AND INTERNAL PHOTOS

Reference to the test report No.: CHTEW22080156

9. APPENDIX REPORT