EMC
TEST REPORT

Report No. : TS09050014-EME

Model No. : H3C WA2610E-AGN

Issued Date : Oct. 14, 2009

Applicant: 3Com Corporation
350 Campus Drive Marlborough, MA 01752-3064,
United States

Test Method/ Standard: FCC Part 15 Subpart E Section §15.207、§15.209 、§15.407 and ANSI C63.4/2003.

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The test report was reviewed by:

Name Rex Liao
Title Engineer

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Summary of Tests

Test	Reference	Results
Dynamic Frequency Selection (DFS) test	15.407(h), FCC 06-96	Pass

1. Dynamic Frequency Selection (DFS) test

1.1 Operating environment

Temperature:	23	℃
Relative Humidity:	58	%
Atmospheric Pressure	1023	hPa

1.2 UNII Device Description

1. The H3C WA2610E-AGN operates in the following UNII bands:

    a. 5150-5250 MHz

    b. 5250-5350 MHz

    c. 5470-5725 MHz

    d. 5725-5825 MHz

2. Operating mode:
    Associating peripheral:
    The device was set up to associate with the master device (H3C WA2610E-AGN).
    The EUT was defined as the master device.
    Test antenna:C5060-510002-A (5 GHz, 3.0 dBi Omni directional)

5. Information regarding the parameters of the detected Radar Waveforms is not available to
   the end user.

1.2.1 Operating mode

The equipment operate the frequency band 5250-5350MHz, 5470-5600MHz and
5650-5725MHz. We've verified the equipment and chose 5260MHz (20MHz) and 5510MHz
(40MHz) for DFS test. The test configuration is as below.

NB1: Connected to EUT (Master)

NB2: As a Slave and connect with EUT via wireless.

During the test, NB2 was played the video's file from NB1

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1.3 Test Protocol and Requirements

For a Master Device, the DFS conformance requirements will be verified utilizing one
short pulse radar type. Additionally, the Channel Move Time and Channel Closing
Transmission Time requirements will be verified utilizing the long pulse radar type. The
statistical performance check will be verified utilizing all radar type.

For a Client Device without DFS, the channel move time and channel closing transmission
time requirements will be verified with one short pulse radar type.

For testing a Client Device with In-Service Monitoring, two configurations must be tested.
   a. The Client Device detects the radar waveform:
     The channel move time and channel closing transmission time requirements will be
     verified utilizing short pulse radar type and the long pulse radar type. The statistical
     performance check will be verified utilizing all radar types.
   b. The Master Device detects the radar waveform:
     The channel move time and channel closing transmission time requirements will be
     verified utilizing short pulse radar type.

A UNII network will employ a DFS function to:
- detect signals from radar systems and to avoid co-channel operation with these systems
- provide on aggregate a Uniform Spreading of the Operating Channels across the entire
  band. This applies to the 5250-5350 MHz and/ or 5470-5725 MHz bands.

Within the context of the operation of the DFS function, a UNII device will operate in
either Master Mode or Client Mode. UNII devices operating in Client Mode can only
operate in a network controlled by a UNII device operating in Master Mode.
The tables as below summarize the information contained.

Applicability of DFS Requirements Prior to Use of a Channel

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

Applicability of DFS requirements during normal operation

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
DFS Detection Threshold	Yes	Not required	Yes
Channel Closing Transmission Time	Yes	Yes	Yes
Channel Move Time	Yes	Yes	Yes
UNII Detection Bandwidth	Yes	Not required	Yes

1.4 DFS Detection Thresholds and Limitations of each Parameter

Maximum Transmit Power	Value (See Notes 1 and 2)
$\geq$ 200 mW	-64 dBm
$\leq$ 200 mW	-62 dBm
Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna. Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.	

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 Note 1 and 2)
UNII Detection Bandwidth	Minimum 80% of the UNII 99% transmission power bandwidth. (See Note 3)
Note 1: The instant that the Channel Move Time and the Channel Closing Transmission Time begins is as follows: • For the Short Pulse Radar Test Signals this instant is the end of the Burst. • For the Frequency Hopping radar Test Signal, this instant is the end of the last radar Burst generated. • For the Long Pulse Radar Test Signal this instant is the end of the 12 second period defining the Radar Waveform. Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions. Note 3: During the U-NII Detection Bandwidth detection test, radar type 1 is used and for each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.	

1.5 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.

Short Pulse Radar Test Waveforms

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Minimum Percentage of Successful Detection	Minimum Number of Trials
1	1	1428	18	60%	30
2	1-5	150-230	23-29	60%	30
3	6-10	200-500	16-18	60%	30
4	11-20	200-500	12-16	60%	30
Aggregate (Radar Types 1-4)				80%	120

A minimum of 30 unique waveforms are required for each of the Short Pulse Radar Type 2 through 4. For Short Pulse Radar Type 1, the same waveform is used a minimum of 30 times. If more than 30 waveforms are used for Short Pulse Radar Type 2 through 4, then each additional waveform must also be unique and not repeated from the previous waveforms.

The aggregate is the average of the percentage of successful detections of Short Pulse Radar Type 1-4.

Long Pulse Radar Test Waveforms

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 waveform are randomly chosen. Thirty unique waveforms are required for the Long Pulse radar test signal. If more than 30 waveforms are used for the Long Pulse radar test signal, then each additional waveform must also be unique and not repeated from the previous waveforms.

Each waveform is defined as follows:

1) The transmission period for the Long Pulse Radar test signal is 12 seconds.
2) There are a total of 8 to 20 Bursts in the 12 second period, with the number of Bursts being randomly chosen. This number is Burst_Count.
3) Each Burst consists of 1 to 3 pulses, with the number of pulses being randomly chosen. Each Burst within the 12 second sequence may have a different number of pulses.
4) The pulse width is between 50 and 100 microseconds, with the pulse width being randomly chosen. Each pulse within a Burst will have the same pulse width. Pulses in different Bursts may have different pulse widths.
5) Each pulse has a linear FM chirp between 5 and 20 MHz, with the chirp width being randomly chosen. Each pulse within a Burst will have the same chirp width. Pulses in different Bursts may have different chirp widths. The chirp is centered on the pulse. For example, with a radar frequency of 5300 MHz and a 20 MHz chirped signal, the chirp starts at 5290 MHz and ends at 5310 MHz.
6) If more than one pulse is present in a Burst, the time between the pulses will be between 1000 and 2000 microseconds, with the time being randomly chosen. If three pulses are present in a Burst, the time between the first and second pulses is chosen independently of the time between the second and third pulses.
7) The 12 second transmission period is divided into even intervals. The number of intervals is equal to Burst_Count. Each interval is of length (12,000,000 / Burst_Count) microseconds. Each interval contains one Burst. The start time for the Burst, relative to the beginning of the interval, is between 1 and [(12,000,000 / Burst_Count) – (Total Burst Length) + (One Random PRI Interval)] microseconds, with the start time being randomly chosen. The step interval for the start time is 1 microsecond. The start time for each Burst is chosen independently.

A representative example of a Long Pulse radar test waveform:
1) The total test signal length is 12 seconds.
2) 8 Bursts are randomly generated for the Burst_Count.
3) Burst 1 has 2 randomly generated pulses.
4) The pulse width (for both pulses) is randomly selected to be 75 microseconds.

5) The PRI is randomly selected to be at 1213 microseconds.

6) Bursts 2 through 8 are generated using steps 3 – 5.

7) Each Burst is contained in even intervals of 1,500,000 microseconds. The starting
location for Pulse 1, Burst 1 is randomly generated (1 to 1,500,000 minus the total
Burst 1 length + 1 random PRI interval) at the 325,001 microsecond step. Bursts 2
through 8 randomly fall in successive 1,500,000 microsecond intervals (i.e. Burst 2
falls in the 1,500,001 – 3,000,000 microsecond range).

Graphical Representation of a Long Pulse radar Test Waveform
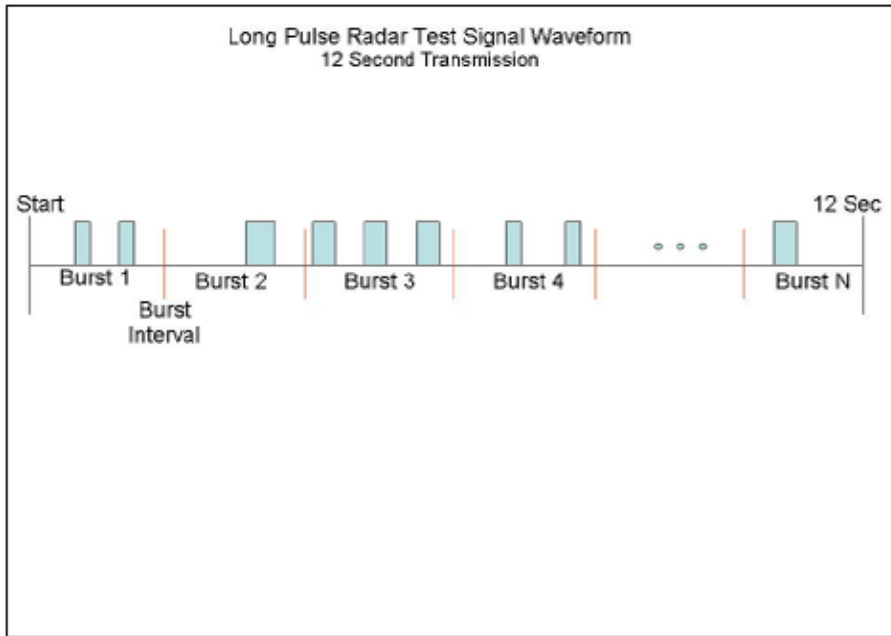
Frequency Hopping Radar Test Waveforms

Radar Type	Pulse Width (μ sec)	PRI (μ sec)	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
waveform.

The hopping sequence is different for each waveform and a 100-length segment is
selected1 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 – 5724 MHz. 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.

1.6 Radar Waveform Calibration

The following equipment setup was used to calibrate the conducted radar waveform. A spectrum analyzer is used to establish the test signal level for each radar type. During this process, there were no transmissions by either Master or Client device. The spectrum analyzer was switched to the zero span (time domain) mode ate the frequency of the radar waveform generator. The peak detection was utilized. The spectrum analyzer RBW and VBW were set to at least 3MHz.
The signal generator amplitude and/ or step attenuators were set so that the power level measured at the spectrum analyzer was equal to the DFS detection threshold that is required for the tests.

The signal generator amplitude was set so that the power level measured at the spectrum analyzer was -64dBm.

1.6.1 Radar Waveform Calibration Plots

Type 1 Radar Signal
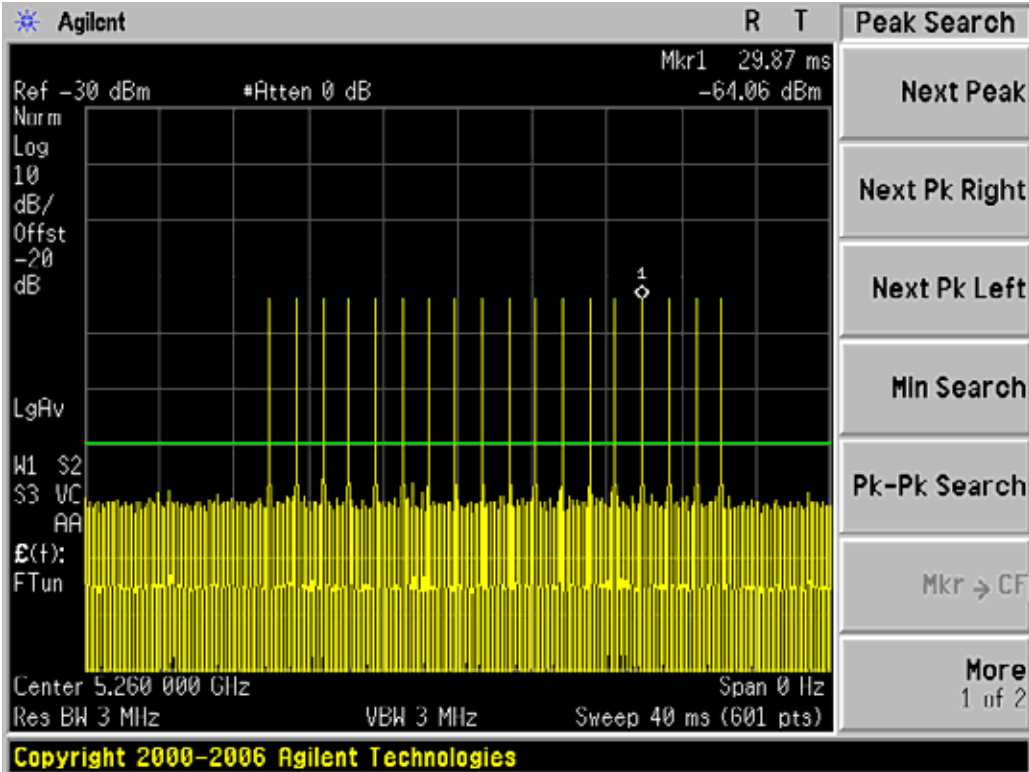
Type 2 Radar Signal
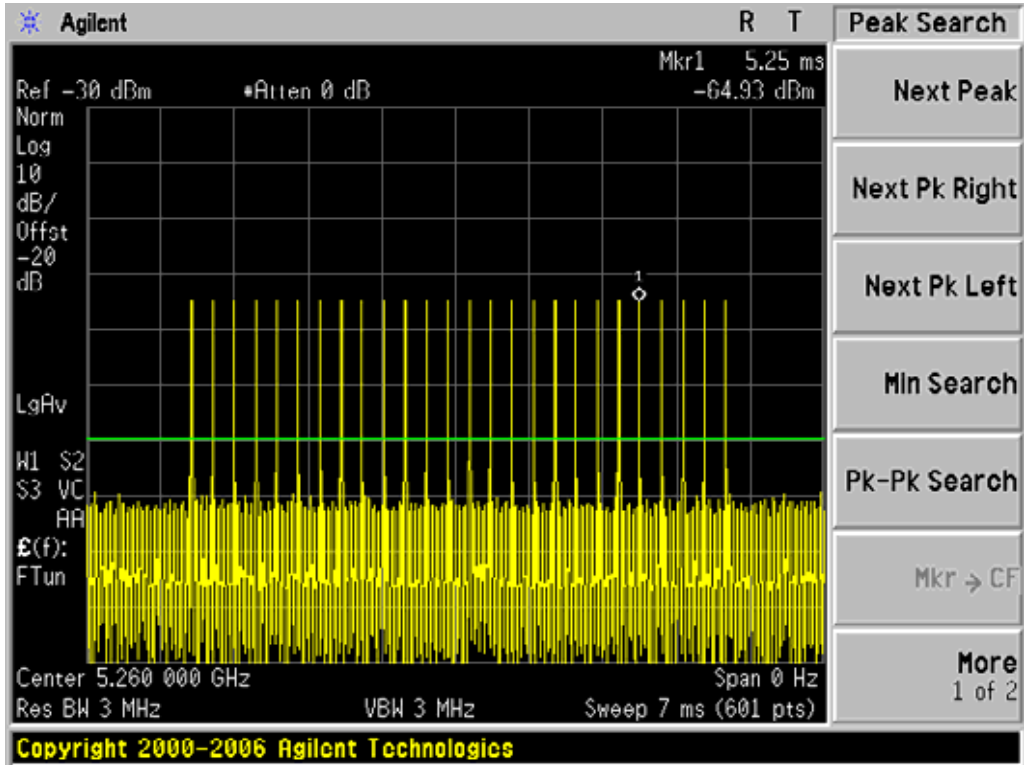
Type 3 Radar Signal
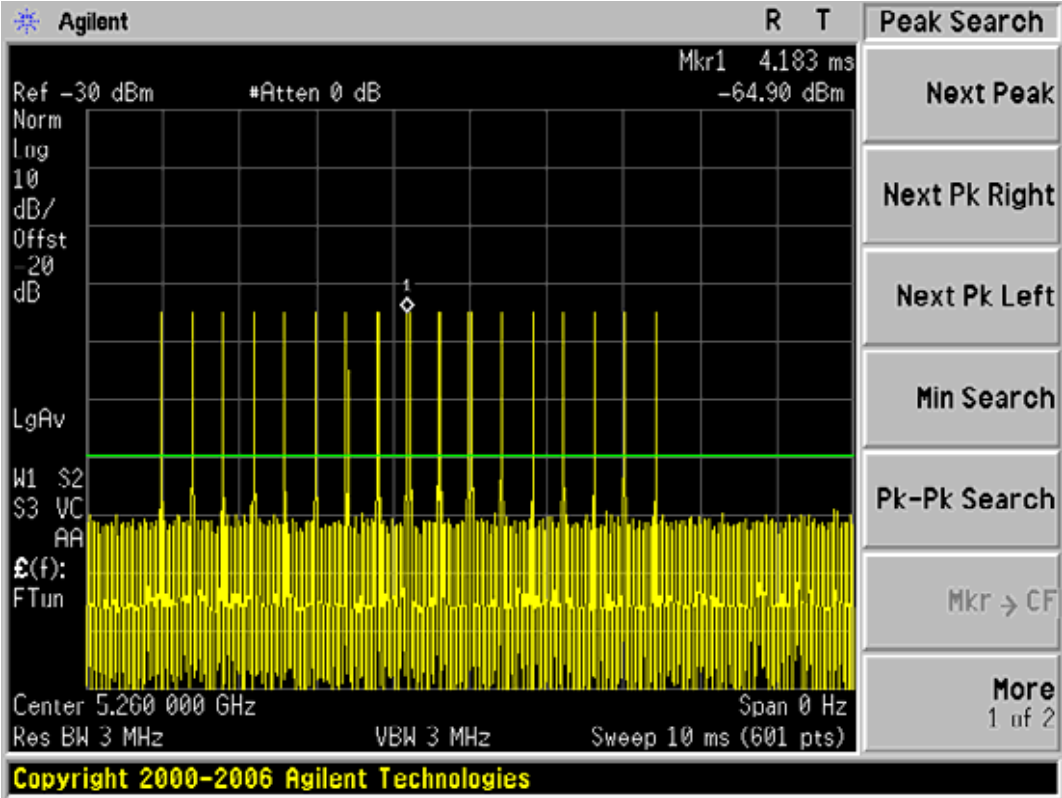
Type 4 Radar Signal
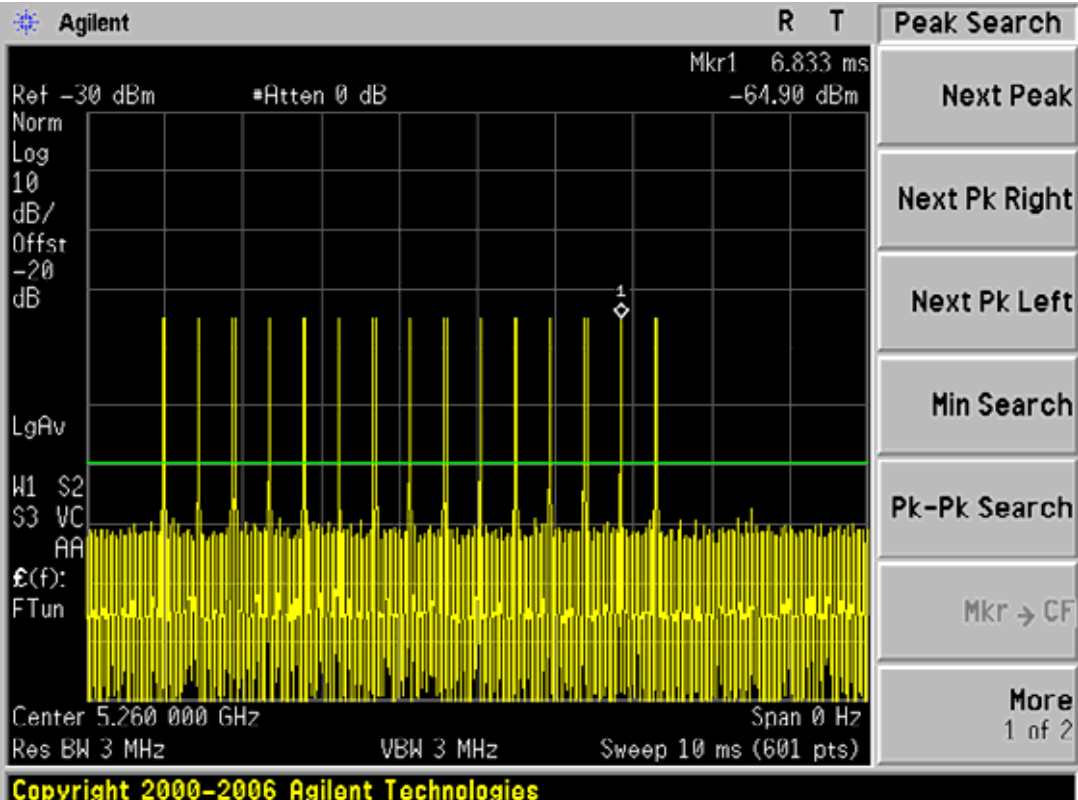
Type 5 Radar Signal
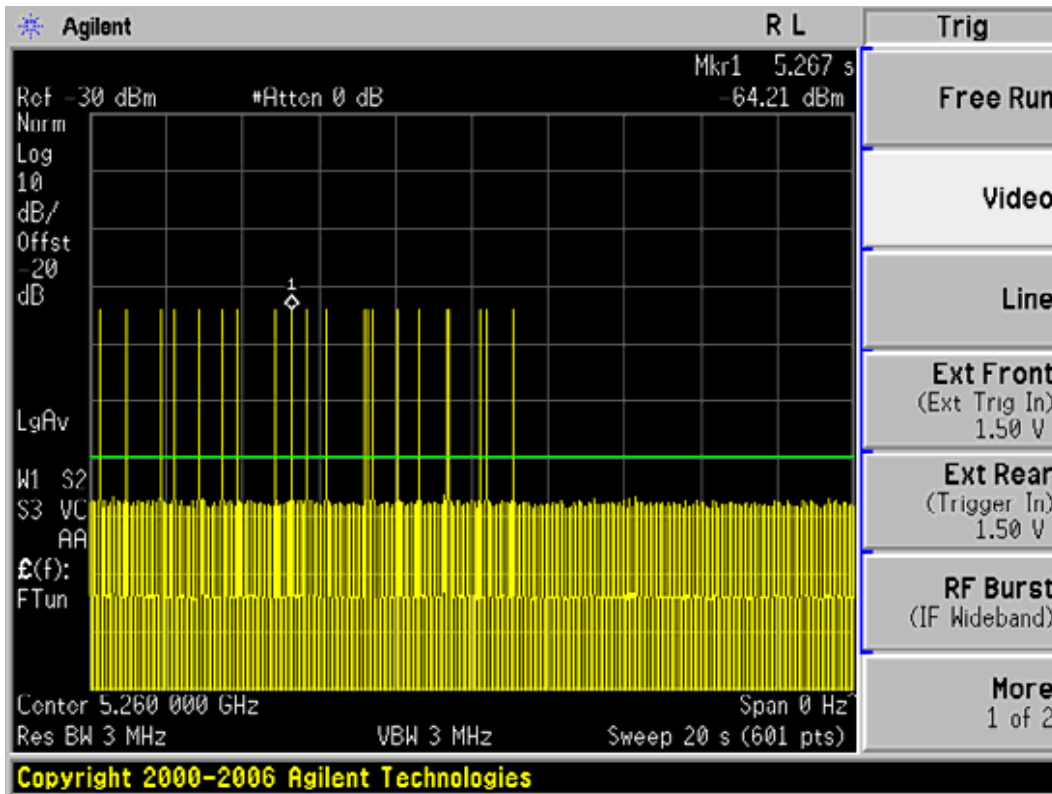
Type 6 Radar Signal
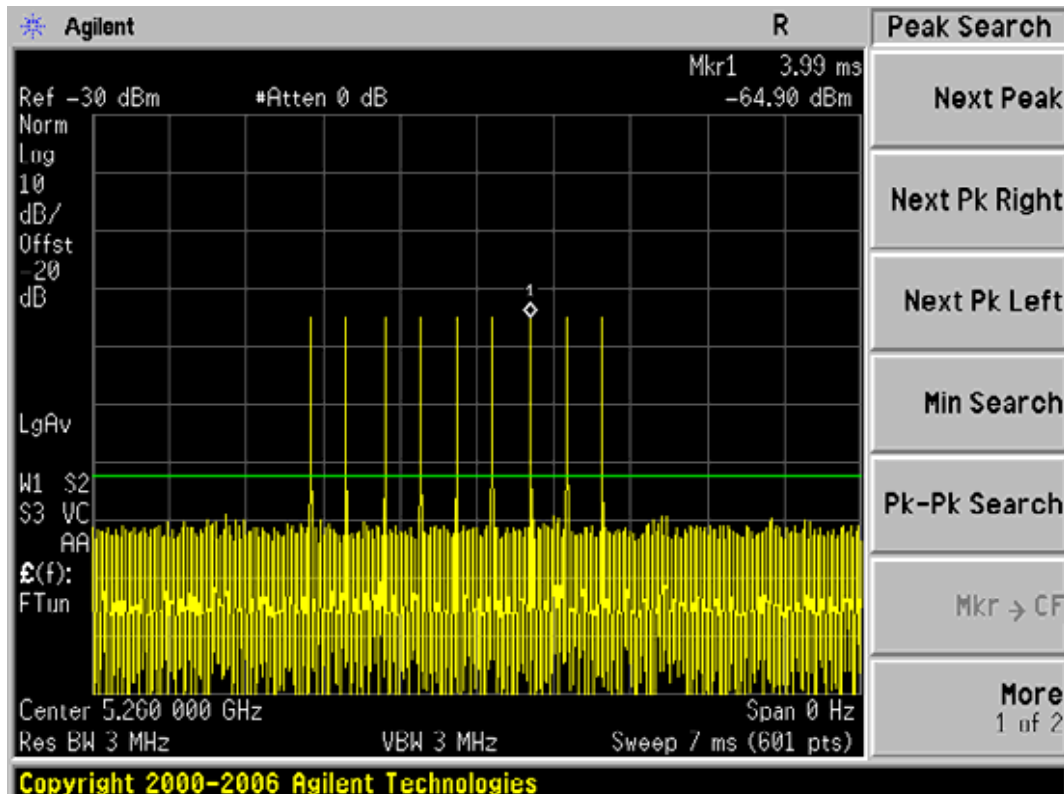
1.7 Test instruments and setup

1.7.1 Deviation about the radar waveform

No deviation.

1.7.2 Test setup

Setup for Master with injection at the Master
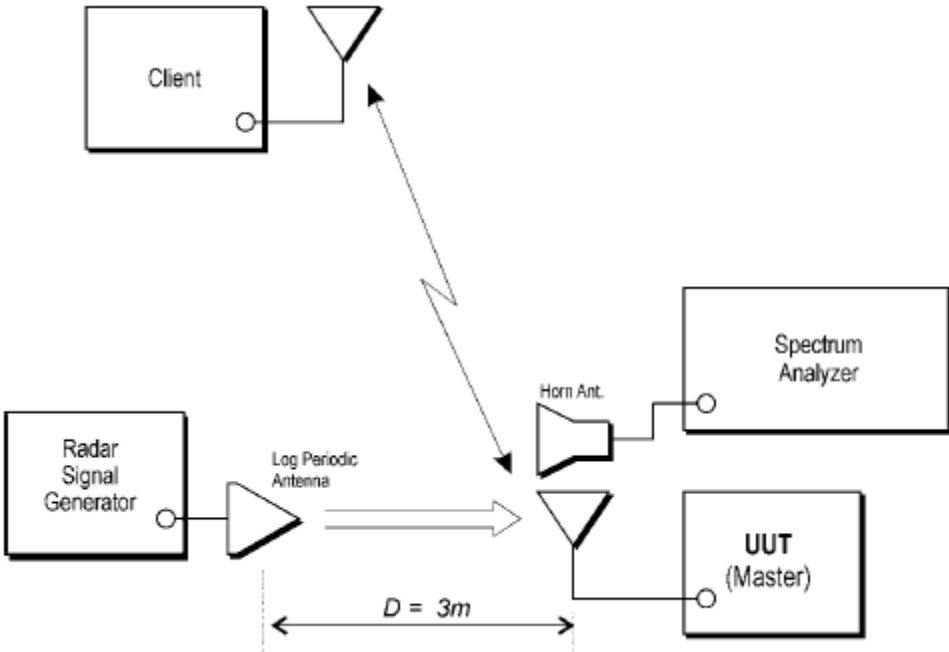
1.7.3 Interference Detection Threshold

For a detection threshold level of -64dBm

1.7.4 Channel Availability Check Time Results

Master:

If a radar signal is detected during the channel availability check then the EUT displays a message stating that the radar was detected.

Operating frequency (MHz)	Timing of Radar Burst	EUT display	Spectrum Analyzer display
5260	Within 1 to 6 second window	Detected	No RLBN transmissions at 5260 MHz
	Within 54 to 60 second window	Detected	No RLBN transmissions at 5260 MHz
5510	Within 1 to 6 second window	Detected	No RLBN transmissions at 5510 MHz
	Within 54 to 60 second window	Detected	No RLBN transmissions at 5510 MHz

Initial channel availability check time @ 802.11n (HT 20) mode at 5260 MHz
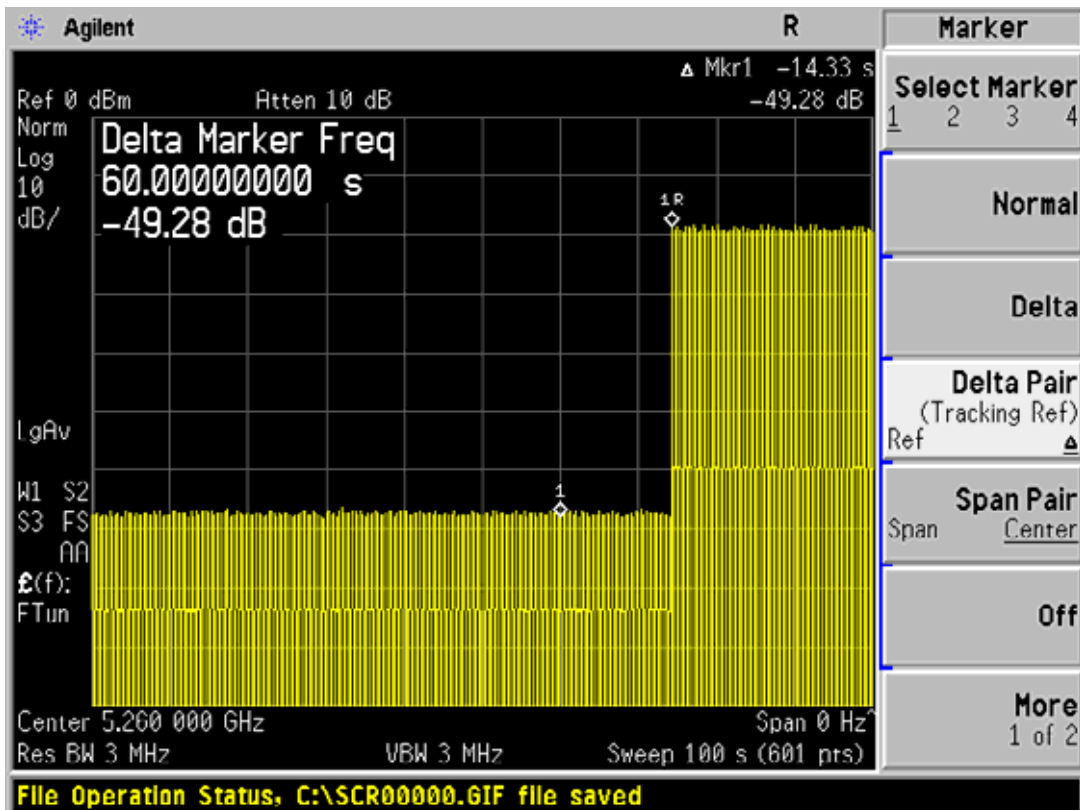
Initial channel availability check time @ 802.11n (HT 40) mode at 5510 MHz
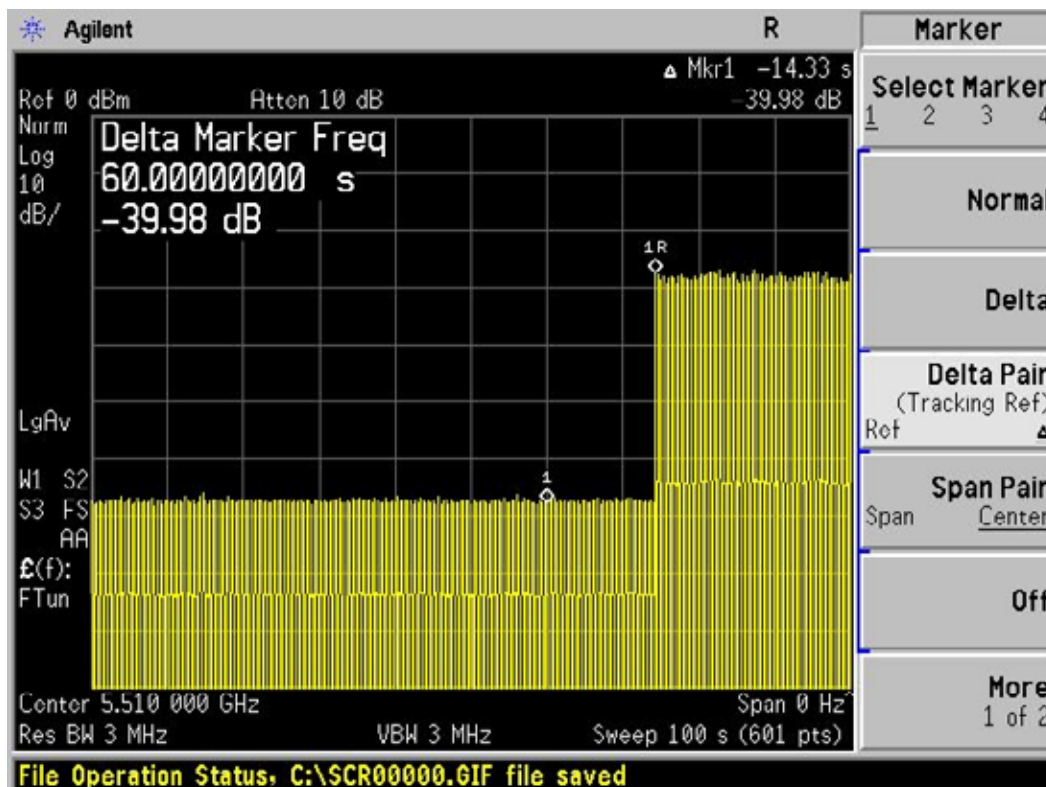
Radar burst at the beginning of the channel availability check time
@ 802.11n (HT 20) mode at 5260 MHz
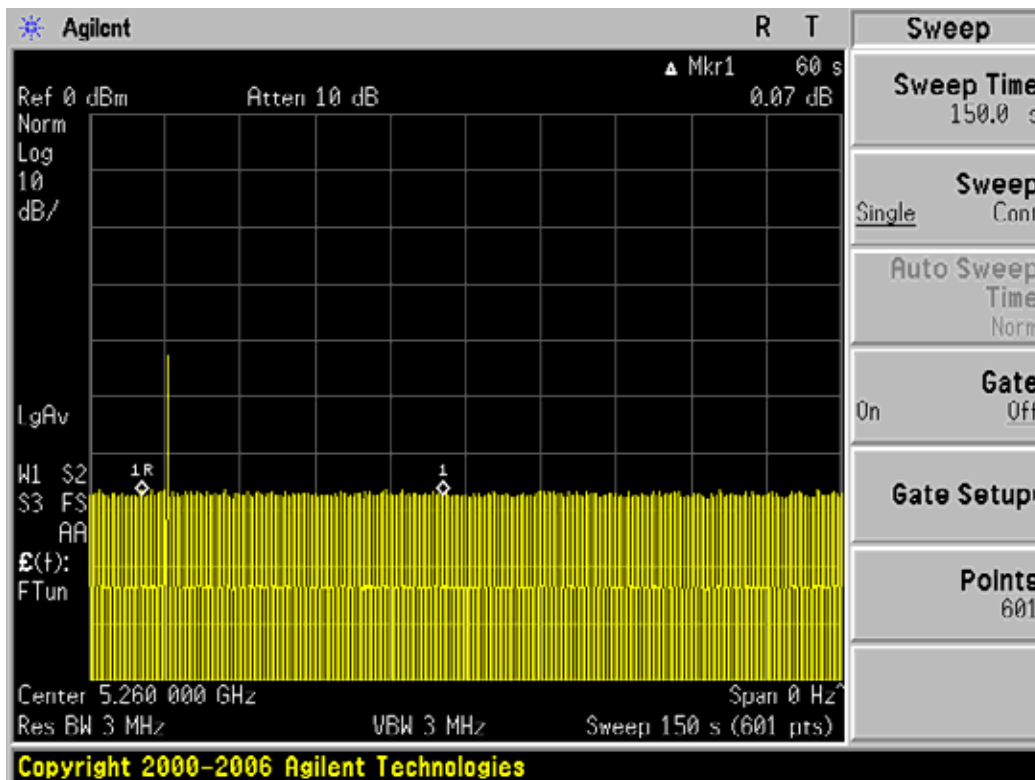
Radar burst at the beginning of the channel availability check time
@ 802.11n (HT 40) mode at 5510 MHz
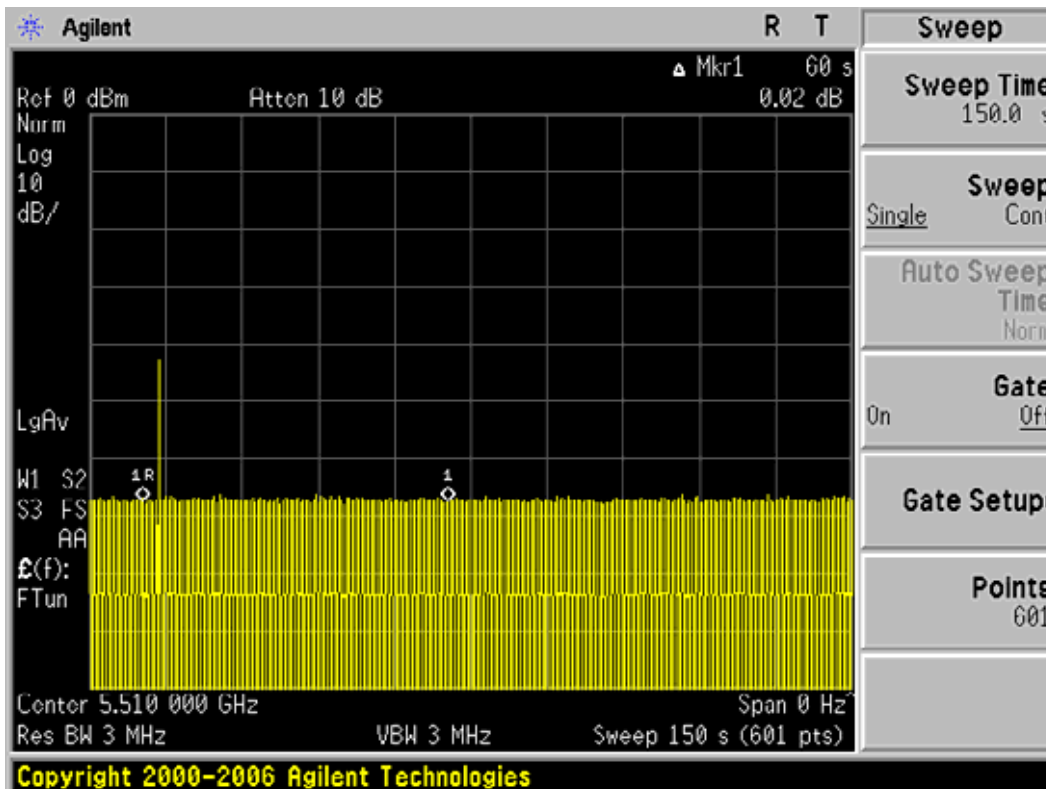
Radar burst at the end of the channel availability check time
@ 802.11n (HT 20) mode at 5260 MHz
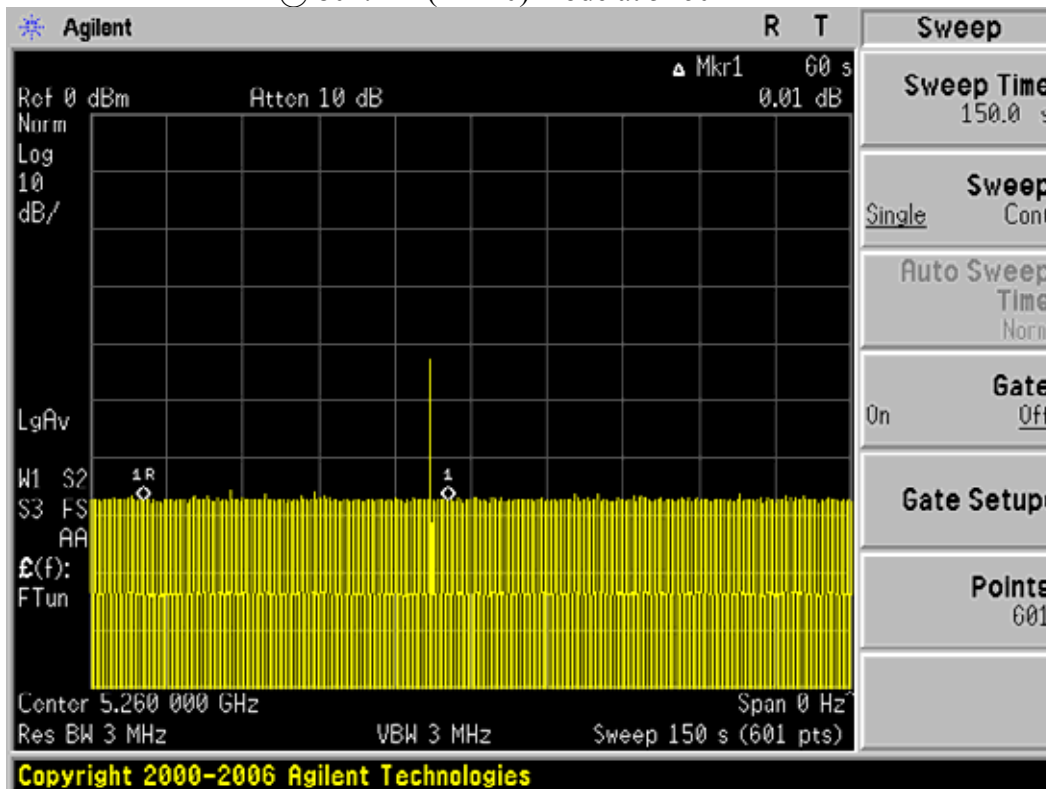
Radar burst at the end of the channel availability check time
@ 802.11n (HT 40) mode at 5510 MHz
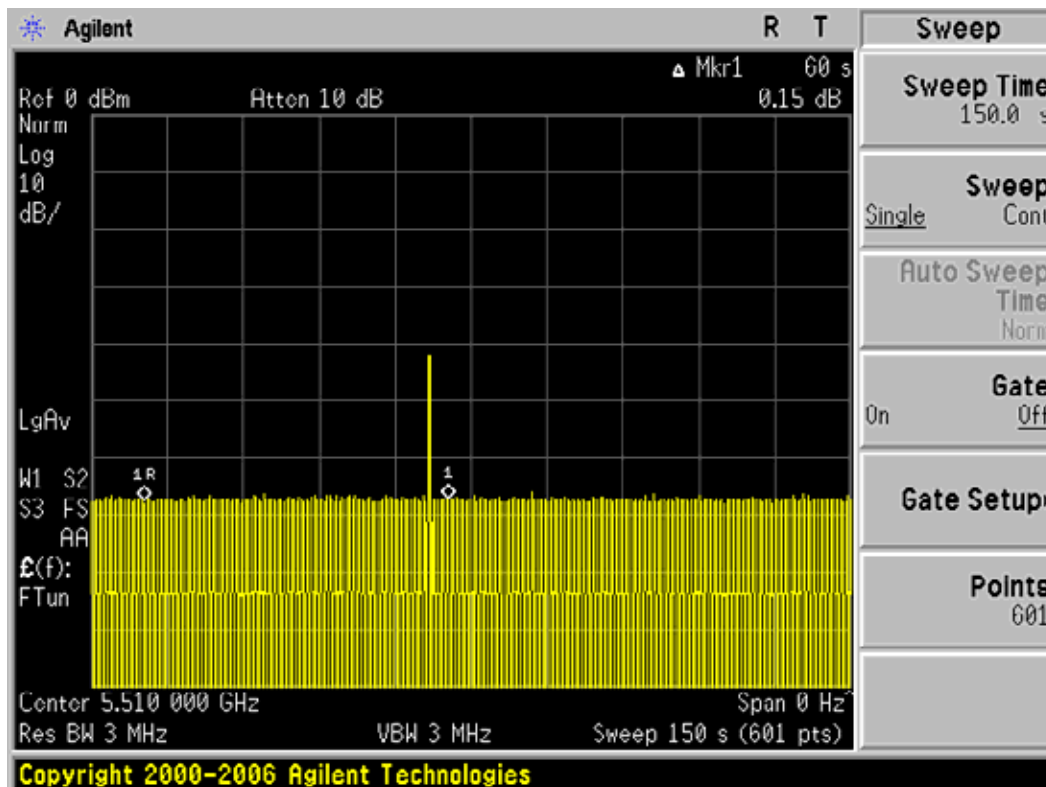
1.8 Channel Shutdown

1.8.1 Channel Move Time results

    For the Short Pulse Radar Test

        Channel Move Time @ 802.11n (HT 20) mode at 5260 MHz
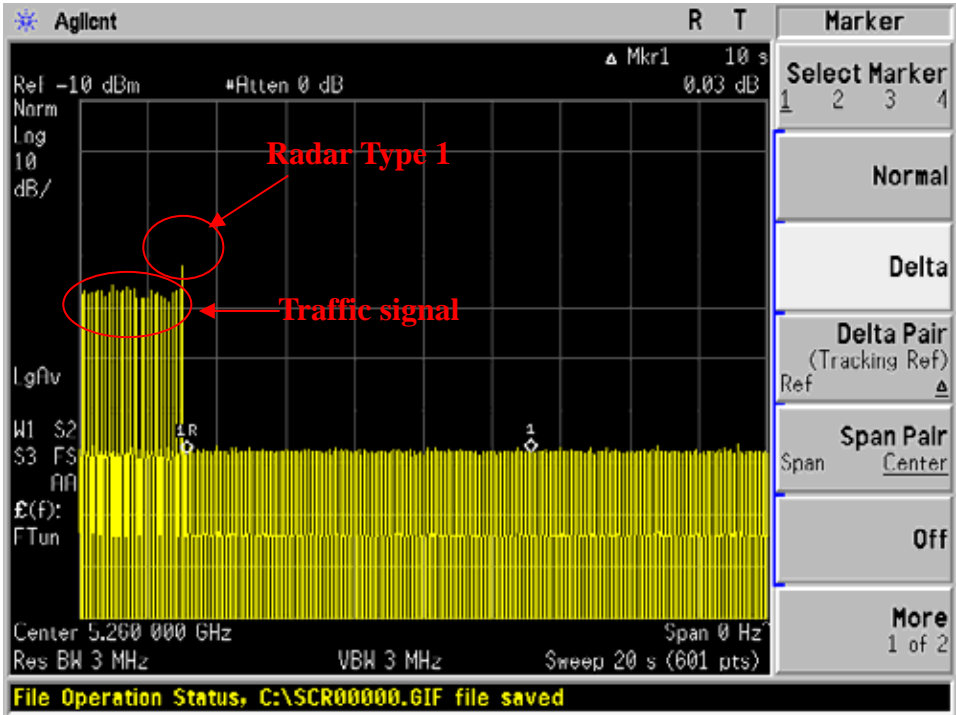
    For the Long Pulse Radar Test

        Channel Move Time @ 802.11n (HT 20) mode at 5260 MHz
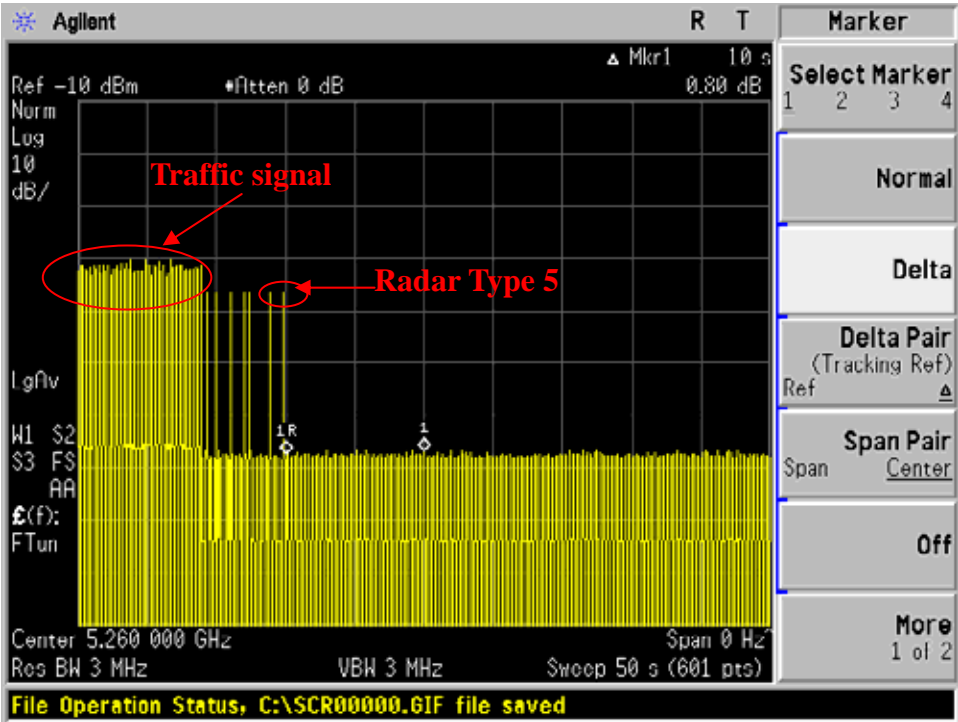
For the Frequency Hopping radar Test

Channel Move Time @ 802.11n (HT 20) mode at 5260 MHz
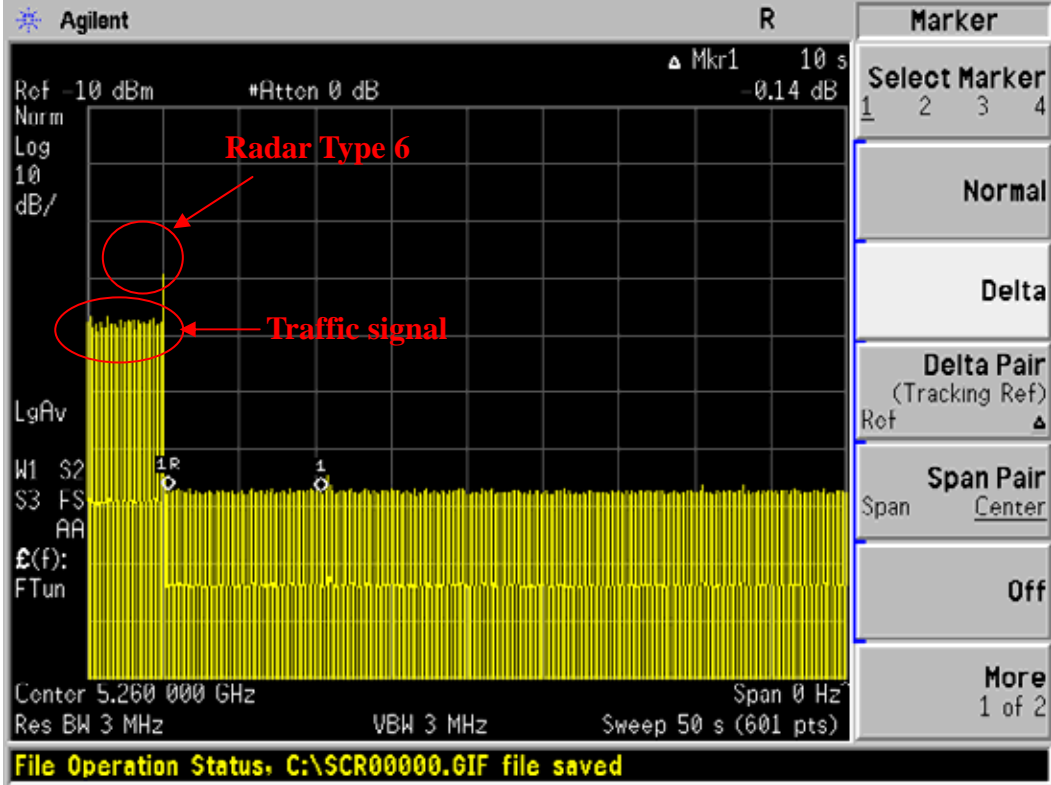
For the Short Pulse Radar Test

Channel Move Time @ 802.11n (HT 40) mode at 5510 MHz
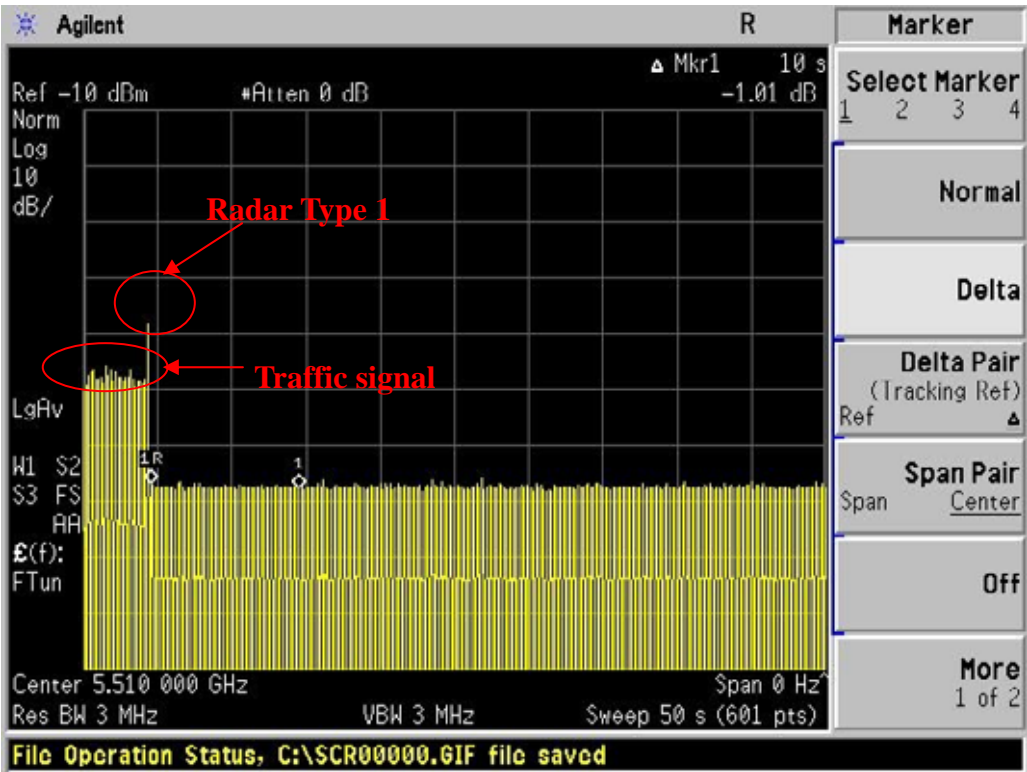
For the Long Pulse Radar Test

Channel Move Time @ 802.11n (HT 40) mode at 5510 MHz
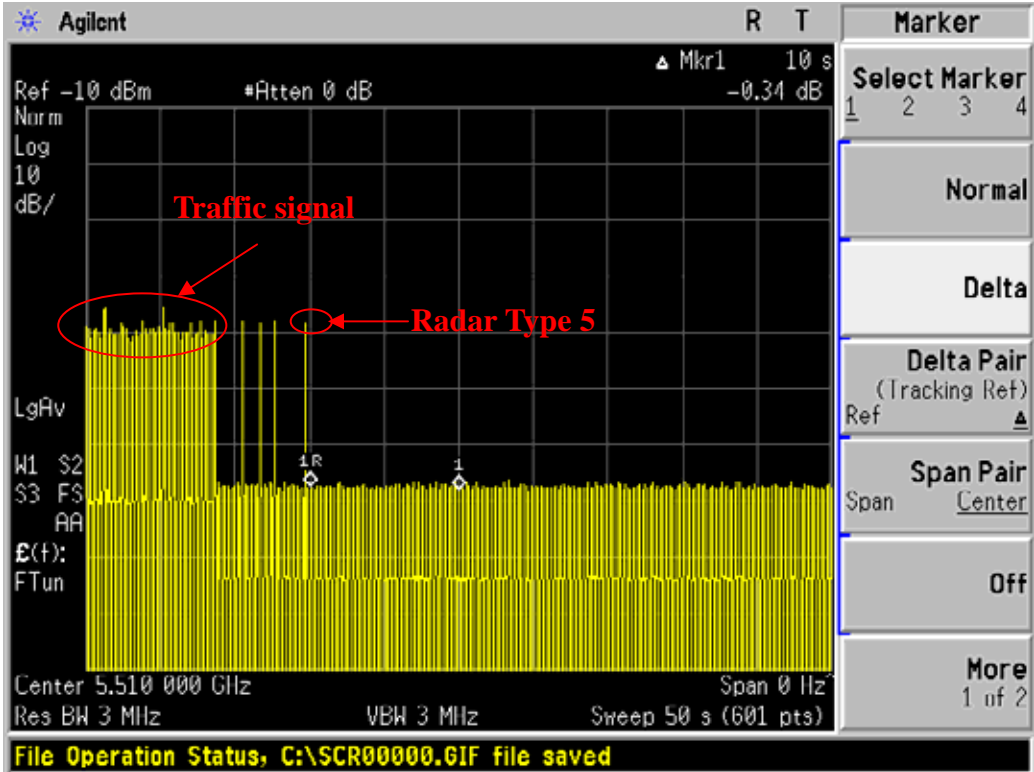
For the Frequency Hopping radar Test

Channel Move Time @ 802.11n (HT 40) mode at 5510 MHz
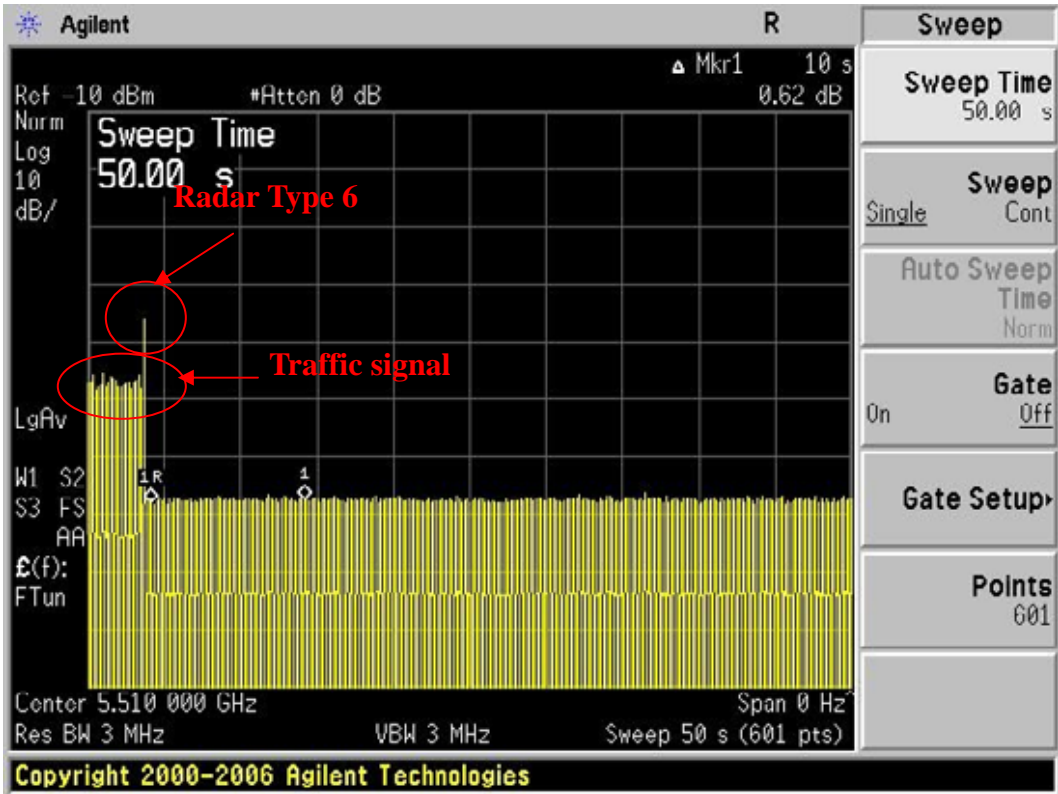
1.8.2 Channel Closing Transmission Time

Channel Closing Transmission Time @ 802.11n (HT 20) mode at 5260 MHz
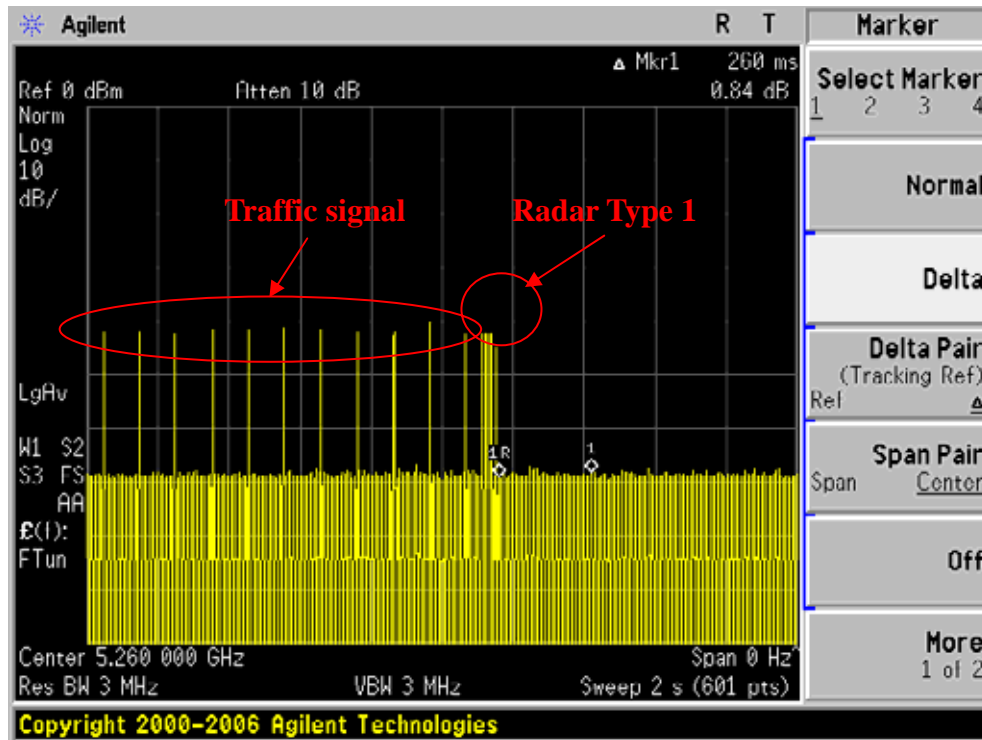
Channel Closing Transmission Time @ 802.11n (HT 40) mode at 5510 MHz
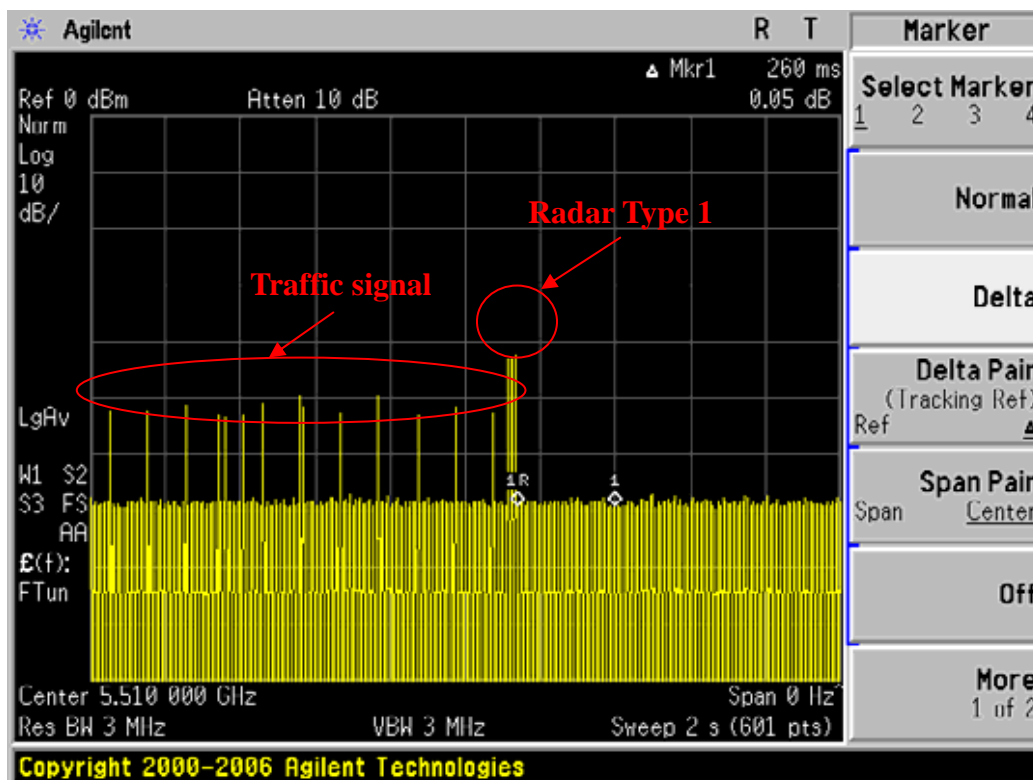
1.8.3 Radar Statistical Performances

802.11n HT20 Ch 52 Radar 1

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5260	1	1428	18	Yes
2	5260	1	1428	18	Yes
3	5260	1	1428	18	Yes
4	5260	1	1428	18	Yes
5	5260	1	1428	18	Yes
6	5260	1	1428	18	Yes
7	5260	1	1428	18	Yes
8	5260	1	1428	18	Yes
9	5260	1	1428	18	Yes
10	5260	1	1428	18	Yes
11	5260	1	1428	18	No
12	5260	1	1428	18	Yes
13	5260	1	1428	18	Yes
14	5260	1	1428	18	Yes
15	5260	1	1428	18	Yes
16	5260	1	1428	18	No
17	5260	1	1428	18	Yes
18	5260	1	1428	18	No
19	5260	1	1428	18	Yes
20	5260	1	1428	18	No
21	5260	1	1428	18	Yes
22	5260	1	1428	18	Yes
23	5260	1	1428	18	Yes
24	5260	1	1428	18	Yes
25	5260	1	1428	18	Yes
26	5260	1	1428	18	Yes
27	5260	1	1428	18	Yes
28	5260	1	1428	18	Yes
29	5260	1	1428	18	Yes
30	5260	1	1428	18	Yes
Detection percentage (%)					86.67%

802.11n HT20 Ch 52 Radar 2

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5260	4	178	24	Yes
2	5260	1.3	177	23	Yes
3	5260	2.2	163	24	Yes
4	5260	1.4	209	29	Yes
5	5260	1.8	164	29	Yes
6	5260	2.8	183	23	Yes
7	5260	2.2	212	24	Yes
8	5260	3.6	213	26	Yes
9	5260	4.8	194	29	Yes
10	5260	3.1	227	29	Yes
11	5260	3.7	179	24	Yes
12	5260	4.9	194	25	Yes
13	5260	2.8	168	27	Yes
14	5260	2.5	227	23	No
15	5260	5	226	29	Yes
16	5260	1	196	27	Yes
17	5260	3.6	214	24	Yes
18	5260	1.4	221	28	No
19	5260	4.4	196	25	Yes
20	5260	2.9	203	29	Yes
21	5260	3.2	213	27	Yes
22	5260	4.6	162	28	Yes
23	5260	3.8	183	28	Yes
24	5260	3.4	166	29	Yes
25	5260	3.8	211	28	Yes
26	5260	2	215	29	Yes
27	5260	1.9	199	29	Yes
28	5260	4.6	195	24	Yes
29	5260	2.8	182	24	No
30	5260	4.4	188	28	Yes
Detection percentage (%)					90%

802.11n HT20 ch 52 Radar 3

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5260	6.5	338	16	Yes
2	5260	6.8	422	17	Yes
3	5260	7.7	408	16	Yes
4	5260	9.8	263	18	Yes
5	5260	6.4	419	18	No
6	5260	8.1	497	18	Yes
7	5260	6.9	381	16	Yes
8	5260	6.6	410	17	Yes
9	5260	6.7	259	16	Yes
10	5260	8.2	423	17	Yes
11	5260	7.1	304	17	Yes
12	5260	10	441	17	Yes
13	5260	7.2	331	16	Yes
14	5260	9.7	457	17	Yes
15	5260	7.6	463	17	Yes
16	5260	8.2	330	16	Yes
17	5260	6.1	288	18	Yes
18	5260	9.1	333	17	Yes
19	5260	6.4	319	18	Yes
20	5260	6.5	396	16	Yes
21	5260	6.3	358	18	Yes
22	5260	7.3	341	17	Yes
23	5260	7.5	257	17	No
24	5260	8.4	453	17	No
25	5260	8.3	376	16	Yes
26	5260	6.2	477	17	Yes
27	5260	7.8	303	18	Yes
28	5260	8.3	348	18	No
29	5260	7.4	276	17	Yes
30	5260	8.2	327	18	Yes
Detection percentage (%)					86.67%

802.11n HT20 ch 52 Radar 4

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5260	12.8	286	12	Yes
2	5260	13.1	264	13	Yes
3	5260	15.4	428	13	Yes
4	5260	16	487	15	Yes
5	5260	18.6	369	15	Yes
6	5260	11.5	473	15	Yes
7	5260	13.2	309	14	Yes
8	5260	19.9	343	16	Yes
9	5260	19.7	261	12	Yes
10	5260	18.7	286	13	Yes
11	5260	19.2	287	14	Yes
12	5260	12.4	258	13	No
13	5260	16.9	342	15	Yes
14	5260	12.9	427	14	No
15	5260	12.2	311	16	Yes
16	5260	18	259	12	Yes
17	5260	18.3	251	13	Yes
18	5260	19.3	497	12	Yes
19	5260	17.9	282	13	Yes
20	5260	13.4	281	13	Yes
21	5260	13.2	465	15	Yes
22	5260	16.9	424	12	Yes
23	5260	12	433	14	Yes
24	5260	15.3	312	14	Yes
25	5260	15	257	13	Yes
26	5260	15.3	403	13	Yes
27	5260	17.6	309	16	Yes
28	5260	13.6	266	14	Yes
29	5260	13.1	488	16	Yes
30	5260	17.3	337	14	No
Detection percentage (%)					90.00%

For 802.11n HT20 ch 52

RADAR TYPE	Detection percentage (%)
1	86.67
2	90
3	86.67
4	90
TOTAL	88.335

802.11n HT20 ch 52 Radar 5

trail #	Freq (MHz)	Test signal name	Detection Yes/ No
1	5260	Waveform Num 1	Yes
2	5260	Waveform Num 2	Yes
3	5260	Waveform Num 3	Yes
4	5260	Waveform Num 4	No
5	5260	Waveform Num 5	Yes
6	5260	Waveform Num 6	Yes
7	5260	Waveform Num 7	Yes
8	5260	Waveform Num 8	Yes
9	5260	Waveform Num 9	No
10	5260	Waveform Num 10	Yes
11	5260	Waveform Num 11	Yes
12	5260	Waveform Num 12	Yes
13	5260	Waveform Num 13	No
14	5260	Waveform Num 14	Yes
15	5260	Waveform Num 15	Yes
16	5260	Waveform Num 16	Yes
17	5260	Waveform Num 17	Yes
18	5260	Waveform Num 18	Yes
19	5260	Waveform Num 19	Yes
20	5260	Waveform Num 20	Yes
21	5260	Waveform Num 21	Yes
22	5260	Waveform Num 22	No
23	5260	Waveform Num 23	Yes
24	5260	Waveform Num 24	Yes
25	5260	Waveform Num 25	Yes
26	5260	Waveform Num 26	Yes
27	5260	Waveform Num 27	Yes
28	5260	Waveform Num 28	Yes
29	5260	Waveform Num 29	Yes
30	5260	Waveform Num 30	No
Detection percentage (%)			83.33%

The Long Pulse Radar pattern shown in Annex A.1

802.11n HT20 ch 52 Radar 6

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Hop	Detection Yes/ No
1	5260	1	333	9	Yes
2	5260	1	333	9	Yes
3	5260	1	333	9	Yes
4	5260	1	333	9	Yes
5	5260	1	333	9	Yes
6	5260	1	333	9	Yes
7	5260	1	333	9	Yes
8	5260	1	333	9	Yes
9	5260	1	333	9	Yes
10	5260	1	333	9	Yes
11	5260	1	333	9	Yes
12	5260	1	333	9	Yes
13	5260	1	333	9	Yes
14	5260	1	333	9	Yes
15	5260	1	333	9	Yes
16	5260	1	333	9	Yes
17	5260	1	333	9	Yes
18	5260	1	333	9	Yes
19	5260	1	333	9	Yes
20	5260	1	333	9	Yes
21	5260	1	333	9	Yes
22	5260	1	333	9	Yes
23	5260	1	333	9	Yes
24	5260	1	333	9	Yes
25	5260	1	333	9	Yes
26	5260	1	333	9	No
27	5260	1	333	9	Yes
28	5260	1	333	9	No
29	5260	1	333	9	Yes
30	5260	1	333	9	Yes
Detection percentage (%)					93.33%

802.11n HT20 ch 52 Radar 6

trail #	Freq (MHz)	Hopping Frequency test radar name	Detection Yes/ No
1	5260	Hopping Frequency number-01	Yes
2	5260	Hopping Frequency number-02	Yes
3	5260	Hopping Frequency number-03	Yes
4	5260	Hopping Frequency number-04	Yes
5	5260	Hopping Frequency number-05	Yes
6	5260	Hopping Frequency number-06	Yes
7	5260	Hopping Frequency number-07	Yes
8	5260	Hopping Frequency number-08	Yes
9	5260	Hopping Frequency number-09	Yes
10	5260	Hopping Frequency number-10	Yes
11	5260	Hopping Frequency number-11	Yes
12	5260	Hopping Frequency number-12	Yes
13	5260	Hopping Frequency number-13	Yes
14	5260	Hopping Frequency number-14	Yes
15	5260	Hopping Frequency number-15	Yes
16	5260	Hopping Frequency number-16	Yes
17	5260	Hopping Frequency number-17	Yes
18	5260	Hopping Frequency number-18	Yes
19	5260	Hopping Frequency number-19	Yes
20	5260	Hopping Frequency number-20	Yes
21	5260	Hopping Frequency number-21	Yes
22	5260	Hopping Frequency number-22	Yes
23	5260	Hopping Frequency number-23	Yes
24	5260	Hopping Frequency number-24	Yes
25	5260	Hopping Frequency number-25	Yes
26	5260	Hopping Frequency number-26	No
27	5260	Hopping Frequency number-27	Yes
28	5260	Hopping Frequency number-28	No
29	5260	Hopping Frequency number-29	Yes
30	5260	Hopping Frequency number-30	Yes
Detection percentage (%)			93.33%

The Frequency Hopping Radar pattern shown in Annex A.2

802.11n HT40 ch 102   radar 1

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5510	1	1428	18	Yes
2	5510	1	1428	18	Yes
3	5510	1	1428	18	No
4	5510	1	1428	18	Yes
5	5510	1	1428	18	No
6	5510	1	1428	18	Yes
7	5510	1	1428	18	Yes
8	5510	1	1428	18	Yes
9	5510	1	1428	18	Yes
10	5510	1	1428	18	Yes
11	5510	1	1428	18	Yes
12	5510	1	1428	18	No
13	5510	1	1428	18	Yes
14	5510	1	1428	18	Yes
15	5510	1	1428	18	Yes
16	5510	1	1428	18	Yes
17	5510	1	1428	18	Yes
18	5510	1	1428	18	Yes
19	5510	1	1428	18	Yes
20	5510	1	1428	18	Yes
21	5510	1	1428	18	Yes
22	5510	1	1428	18	No
23	5510	1	1428	18	Yes
24	5510	1	1428	18	Yes
25	5510	1	1428	18	Yes
26	5510	1	1428	18	Yes
27	5510	1	1428	18	Yes
28	5510	1	1428	18	Yes
29	5510	1	1428	18	Yes
30	5510	1	1428	18	Yes
Detection percentage (%)					86.67%

802.11n HT40 ch 102   radar 2

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5510	1	226	29	Yes
2	5510	4.6	218	27	Yes
3	5510	1.2	190	23	Yes
4	5510	1.6	221	29	Yes
5	5510	5	197	23	Yes
6	5510	1.1	174	25	Yes
7	5510	4.1	189	29	Yes
8	5510	3.3	164	29	No
9	5510	1.8	150	24	Yes
10	5510	2.9	206	28	Yes
11	5510	2.4	216	25	Yes
12	5510	1	193	28	Yes
13	5510	1.5	221	26	Yes
14	5510	3.7	206	28	Yes
15	5510	5	160	27	Yes
16	5510	4.1	188	23	No
17	5510	1.6	170	27	Yes
18	5510	2.9	218	24	Yes
19	5510	5	199	26	Yes
20	5510	1.6	151	29	Yes
21	5510	2.9	153	29	Yes
22	5510	1.5	228	29	Yes
23	5510	2.4	163	23	No
24	5510	1.8	173	28	Yes
25	5510	4.1	210	27	Yes
26	5510	1.5	212	23	Yes
27	5510	3.7	196	26	Yes
28	5510	4.9	210	24	Yes
29	5510	2.1	225	27	Yes
30	5510	4.1	155	25	Yes
Detection percentage (%)					90%

802.11n HT40 ch 102 radar 3

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5510	8.4	344	16	Yes
2	5510	8.7	414	18	Yes
3	5510	7	321	18	Yes
4	5510	6	495	17	Yes
5	5510	9.3	350	17	Yes
6	5510	8.3	277	17	Yes
7	5510	8.8	335	18	Yes
8	5510	7.1	351	18	Yes
9	5510	6.8	391	18	Yes
10	5510	9.7	409	17	No
11	5510	6.3	332	18	Yes
12	5510	7.2	415	16	Yes
13	5510	9.9	456	17	Yes
14	5510	9.8	419	17	Yes
15	5510	6.2	377	18	Yes
16	5510	9.7	413	18	No
17	5510	8	481	18	Yes
18	5510	6.6	324	18	Yes
19	5510	6.1	296	17	Yes
20	5510	6	323	17	Yes
21	5510	7.2	491	18	No
22	5510	7.1	306	16	Yes
23	5510	6.9	422	18	Yes
24	5510	7.7	371	17	Yes
25	5510	6.8	493	16	Yes
26	5510	9.1	320	18	Yes
27	5510	6.7	332	17	Yes
28	5510	9.7	480	16	Yes
29	5510	8.8	498	18	Yes
30	5510	7.6	336	17	Yes
Detection percentage (%)					90%

802.11n HT40 ch 102   radar 4

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	Detection Yes/ No
1	5510	13.9	262	12	Yes
2	5510	12.8	496	13	Yes
3	5510	19.6	365	13	No
4	5510	13.4	448	16	Yes
5	5510	19	486	13	Yes
6	5510	16.5	392	16	Yes
7	5510	11.7	475	14	Yes
8	5510	16.4	450	14	Yes
9	5510	16.8	422	14	Yes
10	5510	15.8	292	14	Yes
11	5510	18.7	417	16	Yes
12	5510	15.9	289	14	Yes
13	5510	16.9	350	12	Yes
14	5510	17.3	375	15	Yes
15	5510	18.7	316	13	Yes
16	5510	11	262	12	Yes
17	5510	16.1	438	12	No
18	5510	13.6	471	16	Yes
19	5510	18.8	343	16	Yes
20	5510	19	382	15	Yes
21	5510	18	258	16	Yes
22	5510	16.6	305	14	Yes
23	5510	15.4	421	15	Yes
24	5510	13.8	370	15	Yes
25	5510	17.1	327	13	No
26	5510	15.8	300	16	Yes
27	5510	11.7	367	12	No
28	5510	17	274	16	Yes
29	5510	11.4	269	13	No
30	5510	13.5	488	13	Yes
Detection percentage (%)					83.33%

For 802.11n HT40 ch 102

RADAR TYPE	Detection percentage (%)
1	86.67
2	90.00
3	90.00
4	83.33
TOTAL	87.50

802.11n HT40 ch 102 radar 5

trail #	Freq (MHz)	Test signal name	Detection Yes/ No
1	5510	Waveform Num 1	Yes
2	5510	Waveform Num 2	Yes
3	5510	Waveform Num 3	Yes
4	5510	Waveform Num 4	Yes
5	5510	Waveform Num 5	Yes
6	5510	Waveform Num 6	Yes
7	5510	Waveform Num 7	Yes
8	5510	Waveform Num 8	Yes
9	5510	Waveform Num 9	Yes
10	5510	Waveform Num 10	Yes
11	5510	Waveform Num 11	Yes
12	5510	Waveform Num 12	Yes
13	5510	Waveform Num 13	No
14	5510	Waveform Num 14	Yes
15	5510	Waveform Num 15	Yes
16	5510	Waveform Num 16	Yes
17	5510	Waveform Num 17	Yes
18	5510	Waveform Num 18	Yes
19	5510	Waveform Num 19	Yes
20	5510	Waveform Num 20	No
21	5510	Waveform Num 21	Yes
22	5510	Waveform Num 22	Yes
23	5510	Waveform Num 23	No
24	5510	Waveform Num 24	Yes
25	5510	Waveform Num 25	Yes
26	5510	Waveform Num 26	Yes
27	5510	Waveform Num 27	Yes
28	5510	Waveform Num 28	Yes
29	5510	Waveform Num 29	Yes
30	5510	Waveform Num 30	Yes
Detection percentage (%)			90.00%

The Long Pulse Radar pattern shown in Annex A.3

802.11n HT40 ch 102 radar 6

trail #	Freq (MHz)	Pulse Width (us)	PRI (us)	Pulses / Hop	Detection Yes/ No
1	5510	1	333	9	Yes
2	5510	1	333	9	Yes
3	5510	1	333	9	Yes
4	5510	1	333	9	Yes
5	5510	1	333	9	Yes
6	5510	1	333	9	Yes
7	5510	1	333	9	Yes
8	5510	1	333	9	Yes
9	5510	1	333	9	Yes
10	5510	1	333	9	Yes
11	5510	1	333	9	No
12	5510	1	333	9	Yes
13	5510	1	333	9	Yes
14	5510	1	333	9	Yes
15	5510	1	333	9	Yes
16	5510	1	333	9	Yes
17	5510	1	333	9	Yes
18	5510	1	333	9	Yes
19	5510	1	333	9	No
20	5510	1	333	9	Yes
21	5510	1	333	9	Yes
22	5510	1	333	9	Yes
23	5510	1	333	9	Yes
24	5510	1	333	9	Yes
25	5510	1	333	9	No
26	5510	1	333	9	Yes
27	5510	1	333	9	Yes
28	5510	1	333	9	No
29	5510	1	333	9	Yes
30	5510	1	333	9	Yes
Detection percentage (%)					86.66%

802.11n HT40 ch 102 radar 6

trail #	Freq (MHz)	Hopping Frequency test radar name	Detection Yes/ No
1	5510	Hopping Frequency number-01	Yes
2	5510	Hopping Frequency number-02	Yes
3	5510	Hopping Frequency number-03	Yes
4	5510	Hopping Frequency number-04	Yes
5	5510	Hopping Frequency number-05	Yes
6	5510	Hopping Frequency number-06	Yes
7	5510	Hopping Frequency number-07	Yes
8	5510	Hopping Frequency number-08	Yes
9	5510	Hopping Frequency number-09	Yes
10	5510	Hopping Frequency number-10	Yes
11	5510	Hopping Frequency number-11	No
12	5510	Hopping Frequency number-12	Yes
13	5510	Hopping Frequency number-13	Yes
14	5510	Hopping Frequency number-14	Yes
15	5510	Hopping Frequency number-15	Yes
16	5510	Hopping Frequency number-16	Yes
17	5510	Hopping Frequency number-17	Yes
18	5510	Hopping Frequency number-18	Yes
19	5510	Hopping Frequency number-19	No
20	5510	Hopping Frequency number-20	Yes
21	5510	Hopping Frequency number-21	Yes
22	5510	Hopping Frequency number-22	Yes
23	5510	Hopping Frequency number-23	Yes
24	5510	Hopping Frequency number-24	Yes
25	5510	Hopping Frequency number-25	No
26	5510	Hopping Frequency number-26	Yes
27	5510	Hopping Frequency number-27	Yes
28	5510	Hopping Frequency number-28	No
29	5510	Hopping Frequency number-29	Yes
30	5510	Hopping Frequency number-30	Yes
Detection percentage (%)			86.66%

The Frequency Hopping Radar pattern shown in Annex A.4

1.9 Non-Occupancy Period

No EUT transmissions were observed on the previously active channel during 30 minutes observation time.

Non occupancy period @ 802.11n (HT 20) mode at 5260 MHz
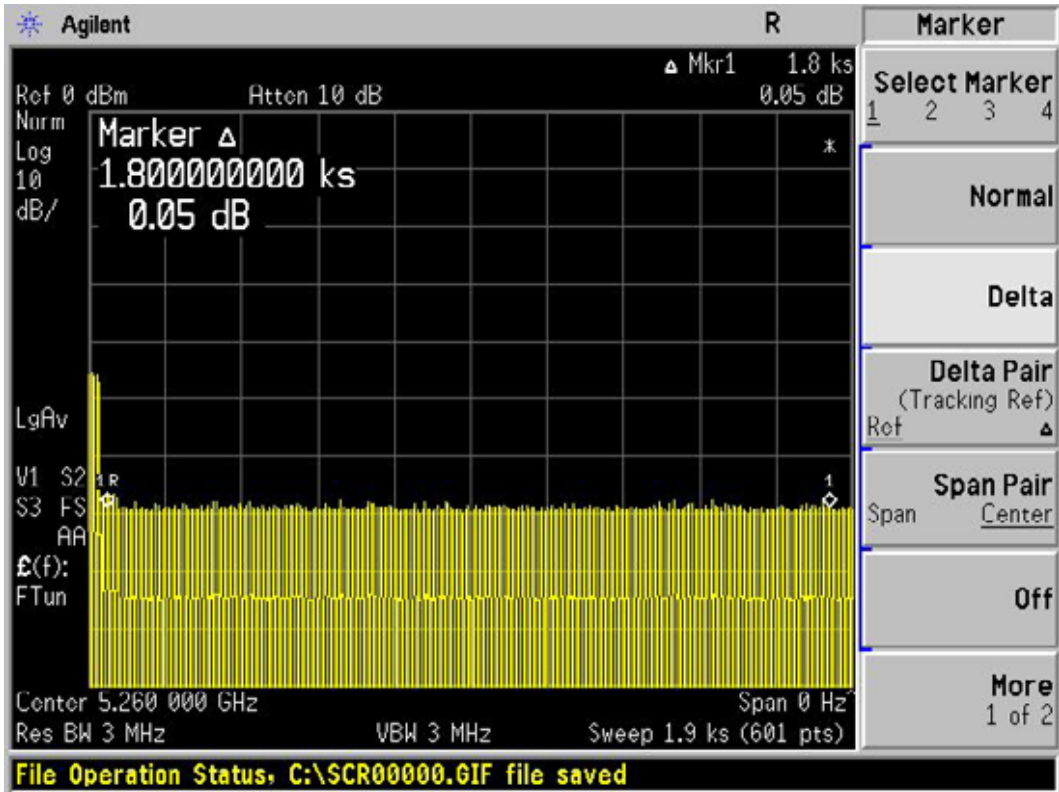
Non occupancy period @ 802.11n (HT 40) mode at 5510 MHz
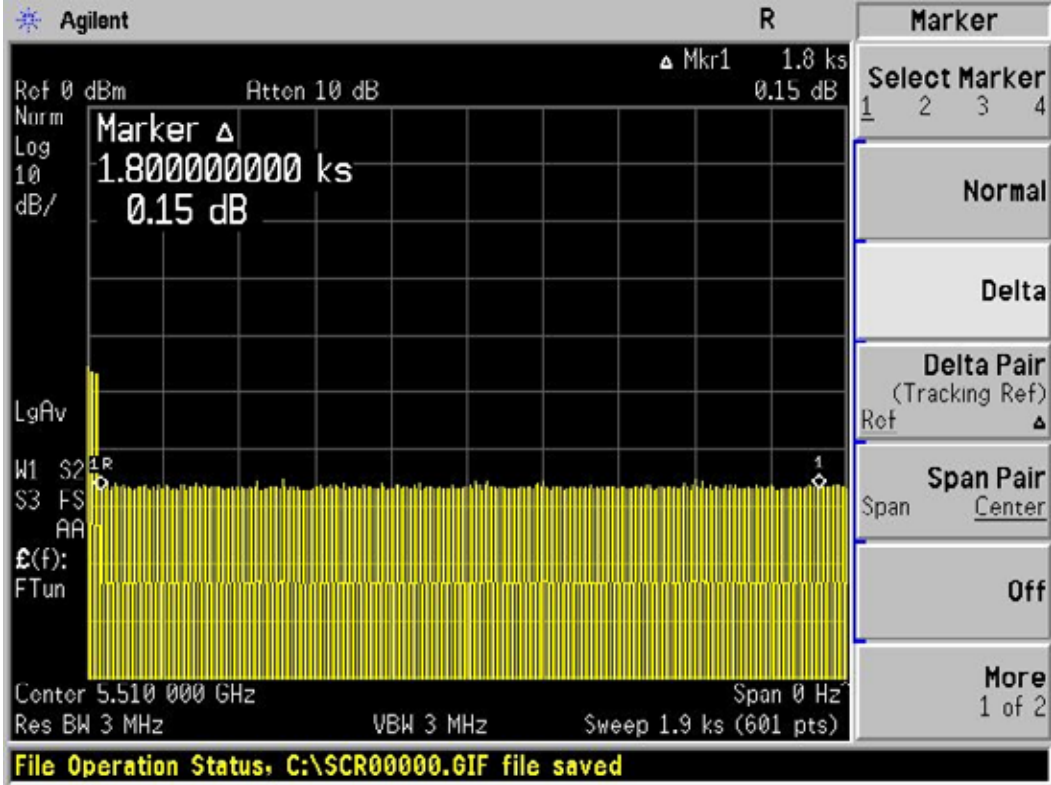
1.10 U-NII Detection Bandwidth

802.11n (HT 20) mode at 5260 MHz

Radar Frequency	DFS Detection Trial										Detection Rate
(MHz)	1	2	3	4	5	6	7	8	9	10	(%)
5249	No	No	No	No	No	No	No	No	No	No	0
5250(FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5251	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5252	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5253	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5254	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5255	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5256	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5257	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5258	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5259	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5260	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5261	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5262	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5263	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5264	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5265	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5266	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5267	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5268	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5269	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5270(FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5271	No	No	No	No	No	No	No	No	No	No	0

EUT Frequency:5260MHz(20MHz)

EUT 99% power bandwidth:17.63MHz

UNII Detection Bandwidth:17.63MHz x 80%=14.104MHz

Detection Bandwidth (FH-FL)=5270MHz-5250MHz=20MHz

802.11n (HT 40) mode at 5510 MHz

Radar Frequency	DFS Detection Trial										Detection Rate
(MHz)	1	2	3	4	5	6	7	8	9	10	(%)
5489	No	No	No	No	No	No	No	No	No	No	0
5490(FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5491	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5492	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5493	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5494	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5495	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5496	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5497	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5498	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5499	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5500	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5501	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5502	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5503	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5504	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5505	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5506	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5507	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5508	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5509	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5510	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5511	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5512	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5513	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5514	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5515	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5516	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5517	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5518	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5519	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5520	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5521	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5522	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5523	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5524	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5525	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5526	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5527(FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5528	Yes	No	No	Yes	Yes	No	No	Yes	No	Yes	50
5529	No	No	Yes	No	No	No	No	No	No	Yes	20

Radar Frequency	DFS Detection Trial										Detection Rate
(MHz)	1	2	3	4	5	6	7	8	9	10	(%)
5530	No	No	No	Yes	No	No	No	No	No	Yes	20
5531	No	No	No	No	No	No	No	No	No	No	0

EUT Frequency:5510MHz(40MHz)

EUT 99% power bandwidth:36.39MHz

UNII Detection Bandwidth:36.39MHz x 80%=29.112MHz

Detection Bandwidth (FH-FL)=5527MHz-5490MHZ=37MHz

1.11 Uniform Spreading

The uniform spreading function is to provide on aggregate band. The EUT test mode don't use the band 5180~5320MHz, 5500-5580MHz, 5660~5700MHz shall select operating channel within the frequency band to show the probability of selecting a given channel are equal to all other channels. The EUT will select channel by random mode and remember this channel when detect radar signal, so that will select unused channel by random mode.

Appendix A: Radar Test Signal

A.1:The Long Pulse Radar Pattern

802.11n (HT 20) mode at 5260 MHz

Long Pulse Radar Test signal							
Waveform Num = 1							
Num of Bursts = 12							
Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	16	75	1649	1308	0	68357
2	2	8	75	1166	1463	0	1857728
3	1	5	85	1881	0	0	2548864
4	1	17	60	1267	0	0	3855673
5	1	9	65	1483	0	0	4906916
6	2	10	100	1899	1071	0	5300538
7	1	11	80	1504	0	0	6121396
8	2	8	50	1656	1847	0	7146729
9	1	13	65	1531	0	0	8809844
10	3	20	100	1399	1727	1739	9907894
11	1	14	75	1623	0	0	10319013
12	3	20	55	1395	1756	1351	11717209

Long Pulse Radar Test signal

Waveform Num = 2

Num of Bursts = 10

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	17	90	1773	0	0	565762
2	1	19	75	1625	0	0	1963101
3	3	12	65	1480	1024	1603	3495526
4	3	20	70	1803	1812	1038	3644831
5	3	16	90	1528	1376	1438	5540557
6	2	16	85	1349	1173	0	6979465
7	2	19	90	1453	1788	0	7895207
8	1	18	65	1135	0	0	8418051
9	2	19	80	1880	1443	0	10039483
10	3	15	100	1819	1254	1925	11601916

Long Pulse Radar Test signal

Waveform Num = 3

Num of Bursts = 9

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	8	95	1601	1642	1057	1178968
2	1	13	75	1561	0	0	1773557
3	2	17	90	1941	1191	0	3266103
4	1	15	100	1701	0	0	4434511
5	3	6	95	1423	1282	1881	6649676
6	2	16	75	1301	1255	0	7266766
7	3	5	50	1346	1234	1044	9170199
8	2	11	90	1015	1075	0	9384890
9	1	12	70	1212	0	0	11552426

Long Pulse Radar Test signal

Waveform Num = 4

Num of Bursts = 19

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	17	80	1338	1500	0	212805
2	1	17	70	1642	0	0	1190604
3	2	17	65	1420	1661	0	1383913
4	1	15	100	1357	0	0	2271752
5	1	5	60	1311	0	0	2782633
6	2	20	75	1656	1574	0	3533879
7	2	20	60	1406	1091	0	4176272
8	3	19	55	1126	1079	1075	4867203
9	2	10	75	1910	1209	0	5563301
10	2	12	55	1503	1147	0	5822504
11	2	8	75	1714	1288	0	6849330
12	1	20	75	1769	0	0	7246981
13	2	19	80	1711	1122	0	8165605
14	1	20	75	1319	0	0	8407095
15	1	7	100	1313	0	0	9356282
16	2	13	75	1715	1517	0	9805293
17	3	10	70	1665	1143	1098	10262623
18	1	19	100	1032	0	0	11168834
19	3	13	65	1338	1479	1774	11952624

Long Pulse Radar Test signal

Waveform Num = 5

Num of Bursts = 13

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	6	75	1495	1523	0	556153
2	1	6	75	1386	0	0	1302798
3	1	10	80	1164	0	0	2555258
4	3	13	80	1967	1051	1178	3543948
5	1	20	50	1174	0	0	3966520
6	2	14	80	1162	1536	0	4856744
7	3	18	90	1316	1758	1422	5677877
8	3	19	60	1597	1278	1842	7160752
9	3	20	90	1562	1096	1554	7555916
10	3	13	85	1491	1968	1534	9025459
11	2	5	80	1569	1751	0	10097822
12	3	15	90	1086	1021	1539	10346035
13	3	6	75	1991	1591	1544	11410780

Long Pulse Radar Test signal

Waveform Num = 6

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	10	100	1423	0	0	636576
2	3	12	50	1654	1225	1454	1129375
3	2	7	55	1269	1868	0	2625516
4	2	5	50	1800	1039	0	3193109
5	2	16	80	1316	1437	0	4535744
6	3	14	100	1195	1450	1925	5218346
7	3	9	60	1262	1044	1067	6072679
8	1	16	60	1409	0	0	7129970
9	3	8	90	1161	1879	1719	8404335
10	1	7	70	1170	0	0	9649196
11	2	15	50	1405	1418	0	10040328
12	2	8	95	1250	1156	0	11672539

Long Pulse Radar Test signal

Waveform Num = 7

Num of Bursts = 20

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	10	85	1669	0	0	242073
2	3	17	60	1502	1207	1048	804422
3	3	18	65	1855	1416	1685	1473313
4	1	9	80	1502	0	0	1933171
5	2	10	90	1048	1508	0	2491096
6	2	19	55	2000	1872	0	3464288
7	2	13	70	1004	1844	0	3767000
8	2	16	60	1703	1585	0	4746342
9	3	5	85	1678	1001	1023	5045527
10	2	5	100	1787	1389	0	5415179
11	3	20	50	1391	1842	1746	6568788
12	2	13	95	1167	1239	0	6862793
13	1	11	100	1678	0	0	7591384
14	3	12	85	1340	1040	1642	8346553
15	1	9	100	1195	0	0	8451868
16	1	9	90	1730	0	0	9285641
17	1	5	95	1606	0	0	9840988
18	1	11	80	1970	0	0	10704872
19	1	16	90	1448	0	0	11151706
20	1	8	85	1051	0	0	11746739

Long Pulse Radar Test signal

Waveform Num = 8

Num of Bursts = 20

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	8	60	1674	1217	0	271147
2	3	11	95	1347	1737	1150	808980
3	3	15	55	1141	1263	1406	1429557
4	2	19	75	1464	1291	0	1887794
5	1	18	75	1840	0	0	2912348
6	1	20	80	1919	0	0	3079780
7	1	17	55	1788	0	0	4072658
8	1	8	65	1055	0	0	4739639
9	1	8	100	1046	0	0	5106535
10	3	13	55	1483	1950	1586	5405163
11	2	5	100	1738	1337	0	6167177
12	2	13	55	1131	1034	0	6855077
13	2	17	55	1078	1078	0	7510632
14	1	9	90	1931	0	0	8377032
15	2	7	85	1904	1082	0	8924126
16	2	7	65	1492	1784	0	9448831
17	3	16	95	1423	1091	1904	10165323
18	2	20	90	1195	1570	0	10730906
19	1	20	75	1566	0	0	11372463
20	1	18	70	1199	0	0	11794922

Long Pulse Radar Test signal

Waveform Num = 9

Num of Bursts = 20

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	5	80	1820	1153	1458	337778
2	2	6	65	1216	1781	0	1157107
3	2	5	80	1944	1227	0	1549491
4	1	10	100	1810	0	0	2129343
5	3	16	60	1543	1394	1007	2761380
6	3	9	80	1979	1052	1951	3347801
7	2	17	90	1291	1589	0	4184253
8	2	6	60	1527	1823	0	4692657
9	1	16	50	1001	0	0	4920493
10	2	13	90	1317	1169	0	5815560
11	2	14	90	1593	1602	0	6292754
12	1	5	50	1920	0	0	7116780
13	3	6	80	1448	1294	1456	7680432
14	2	19	50	1055	1167	0	8137945
15	3	12	70	1597	1434	1972	8635582
16	2	5	55	1542	1376	0	9216911
17	3	6	75	1776	1705	1668	10174900
18	1	6	95	1659	0	0	10614844
19	1	13	90	1199	0	0	10974433
20	1	19	70	1841	0	0	11434398

Long Pulse Radar Test signal

Waveform Num = 10

Num of Bursts = 8

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	8	80	1826	0	0	42153
2	2	14	100	1480	1081	0	2739147
3	2	6	95	1822	1296	0	4242680
4	1	19	85	1526	0	0	4883648
5	1	18	70	1369	0	0	7211688
6	3	6	100	1987	1533	1925	8393278
7	1	18	60	1488	0	0	10114139
8	3	5	80	1735	1144	1274	11616556

Long Pulse Radar Test signal

Waveform Num = 11

Num of Bursts = 18

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	12	70	1617	0	0	55569
2	1	8	60	1383	0	0	1309820
3	1	16	90	1206	0	0	1500588
4	2	20	85	1538	1140	0	2587633
5	3	7	75	1851	1150	1887	3303829
6	1	8	80	1233	0	0	3480902
7	2	13	95	1518	1982	0	4426687
8	3	19	95	1012	1680	1880	4905940
9	2	20	100	1416	1815	0	5665324
10	1	10	50	1035	0	0	6082137
11	2	15	80	1376	1036	0	6724015
12	1	10	80	1168	0	0	7833249
13	2	8	95	1915	1311	0	8268688
14	1	16	100	1845	0	0	8818835
15	3	18	90	1547	1742	1193	9610408
16	3	20	75	1561	1235	1171	10614846
17	2	12	65	1138	1922	0	10781079
18	3	8	95	1239	1091	1120	11971598

Waveform Num = 12

Num of Bursts = 9

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	8	90	1003	0	0	65439
2	3	14	70	1238	1324	1169	1680229
3	1	16	80	1565	0	0	2827586
4	1	6	85	1683	0	0	5182519
5	2	17	90	1914	1471	0	5520326
6	1	17	55	1528	0	0	6935962
7	1	9	100	1465	0	0	9194388
8	2	8	85	1112	1260	0	10163367
9	1	11	65	1610	0	0	11647178

Long Pulse Radar Test signal

Waveform Num = 13

Num of Bursts = 8

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	7	95	1914	1974	0	1313682
2	1	6	95	1100	0	0	2591897
3	2	16	65	1247	1558	0	3265924
4	2	15	100	1437	1822	0	4899655
5	2	12	70	1788	1126	0	6989208
6	2	15	55	1058	1967	0	8331129
7	1	9	85	1376	0	0	10202465
8	1	14	55	1342	0	0	10558395

Long Pulse Radar Test signal

Waveform Num = 14

Num of Bursts = 11

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	11	55	1605	1166	1753	880223
2	1	5	90	1501	0	0	1240996
3	1	10	55	1458	0	0	2497897
4	1	19	65	1669	0	0	3789126
5	1	18	95	1941	0	0	5423946
6	3	10	100	1041	1916	1762	5731315
7	2	7	75	1584	1615	0	7627988
8	2	18	75	1565	1607	0	7737664
9	2	16	50	1409	1824	0	8797318
10	1	9	85	1502	0	0	10003582
11	1	13	85	1276	0	0	11629681

Long Pulse Radar Test signal

Waveform Num = 15

Num of Bursts = 13

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	5	100	1823	0	0	902707
2	2	19	55	1862	1685	0	1569292
3	3	15	85	1903	1887	1005	2417040
4	1	11	80	1666	0	0	2886408
5	1	10	50	1669	0	0	3848742
6	1	19	100	1691	0	0	5439008
7	1	16	100	1330	0	0	5611438
8	3	6	85	1469	1782	1338	6577348
9	2	7	55	1879	1002	0	7516783
10	3	7	55	1333	1054	1624	9135584
11	2	18	50	1096	1471	0	9982085
12	1	11	85	1716	0	0	10334149
13	1	20	95	1171	0	0	11431435

Long Pulse Radar Test signal

Waveform Num = 16

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	7	75	1460	0	0	60952
2	3	12	100	1208	1222	1672	1283873
3	1	19	75	1409	0	0	2232517
4	1	14	55	1190	0	0	3103309
5	1	10	50	1381	0	0	4116425
6	1	19	55	1678	0	0	5644088
7	1	15	90	1291	0	0	6176911
8	3	13	60	1683	1246	1257	7553242
9	2	17	55	1548	1646	0	8382009
10	1	17	80	1243	0	0	9008727
11	3	16	100	1607	1863	1369	10964195
12	3	18	50	1000	1874	1578	11179399

Long Pulse Radar Test signal

Waveform Num = 17

Num of Bursts = 16

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	15	55	1606	1667	1869	593642
2	2	19	55	1322	1755	0	1461464
3	1	6	55	1146	0	0	1723880
4	2	7	60	1708	1835	0	2673343
5	1	7	70	1560	0	0	3461660
6	1	13	90	1584	0	0	4322349
7	3	10	80	1612	1990	1496	4682702
8	2	9	100	1342	1224	0	5309004
9	3	8	60	1592	1371	1326	6016652
10	3	6	50	1360	1708	1707	7326251
11	3	15	65	1262	1974	1551	7964580
12	1	15	80	1618	0	0	8956309
13	2	16	95	1805	1175	0	9158010
14	2	7	85	1901	1766	0	9880045
15	2	7	75	1530	1832	0	10871913
16	3	14	95	1116	1988	1642	11494589

Long Pulse Radar Test signal

Waveform Num = 18

Num of Bursts = 20

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	7	70	1387	1276	0	590103
2	1	11	60	1072	0	0	659923
3	1	5	60	1646	0	0	1264687
4	1	13	55	1455	0	0	2266912
5	2	12	75	1488	1323	0	2690189
6	3	20	80	1515	1041	1814	3374794
7	1	5	95	1709	0	0	3780932
8	1	6	65	1212	0	0	4441435
9	1	9	60	1881	0	0	5241103
10	2	13	60	1079	1641	0	5400570
11	2	10	60	1845	1718	0	6320556
12	3	13	100	1916	1481	1191	6912456
13	1	20	50	1166	0	0	7634549
14	2	8	55	1591	1508	0	8217597
15	3	13	50	1730	1589	1836	8883170
16	1	19	55	1429	0	0	9206487
17	2	18	60	1050	1720	0	10151209
18	3	17	65	1598	1464	1397	10611423
19	2	10	80	1975	1233	0	11073609
20	1	10	95	1089	0	0	11623514

Long Pulse Radar Test signal

Waveform Num = 19

Num of Bursts = 17

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	11	90	1927	0	0	695131
2	1	9	100	1416	0	0	1104712
3	3	6	85	1753	1677	1165	2011786
4	2	18	90	1367	1615	0	2697520
5	1	19	55	1270	0	0	3389742
6	2	5	60	1570	1851	0	4160052
7	2	5	65	1119	1948	0	4756748
8	2	7	95	1190	1155	0	5107657
9	2	18	60	1939	1838	0	6195319
10	3	13	100	1159	1012	1125	6497782
11	2	12	70	1566	1229	0	7393175
12	1	5	60	1517	0	0	8444633
13	2	14	80	1686	1303	0	9008066
14	2	16	80	1086	1301	0	9562908
15	2	19	75	1845	1059	0	10262966
16	2	18	60	1929	1954	0	11147226
17	3	6	85	1032	1235	1551	11633846

Long Pulse Radar Test signal

Waveform Num = 20

Num of Bursts = 9

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	18	90	1314	1171	1209	1273707
2	1	19	70	1580	0	0	2583373
3	1	12	100	1089	0	0	3932712
4	1	6	50	1283	0	0	4866869
5	1	5	100	1318	0	0	6223624
6	1	16	90	1412	0	0	7801932
7	2	18	80	1570	1032	0	8992422
8	3	5	90	1438	1488	1068	9765298
9	3	10	55	1300	1473	1968	11175955

Long Pulse Radar Test signal

Waveform Num = 21

Num of Bursts = 8

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	15	60	1000	1315	1488	75885
2	3	7	75	1881	1231	1380	2264907
3	3	12	90	1380	1379	1559	3634769
4	3	7	55	1703	1786	1026	5277192
5	2	8	55	1512	1820	0	6895557
6	2	9	50	1306	1309	0	8834058
7	1	16	90	1194	0	0	9283888
8	3	15	55	1197	1654	1864	10779522

Long Pulse Radar Test signal

Waveform Num = 22

Num of Bursts = 15

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	7	100	1471	1847	1314	450903
2	2	11	85	1740	1743	0	1461926
3	2	10	60	1138	1730	0	1753712
4	3	5	70	1360	1065	1058	3146725
5	1	14	100	1231	0	0	3853351
6	1	8	80	1161	0	0	4070316
7	1	6	90	1093	0	0	5034062
8	1	20	80	1724	0	0	6178318
9	3	12	100	1363	1005	1202	6546186
10	3	7	75	1523	1453	1891	7662742
11	2	9	100	1812	1356	0	8747337
12	3	7	80	1617	1145	1328	9125582
13	2	18	95	1541	1462	0	10341392
14	2	16	75	1679	1294	0	10856736
15	2	15	50	1862	1597	0	11985936

Long Pulse Radar Test signal

Waveform Num = 23

Num of Bursts = 16

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	13	85	1856	0	0	614825
2	3	12	95	1771	1517	1217	925017
3	1	15	80	1049	0	0	2036337
4	1	10	85	1721	0	0	2929051
5	1	10	70	1155	0	0	3748377
6	3	14	55	1544	1090	1166	3849123
7	1	17	75	1064	0	0	4616205
8	2	7	95	1932	1978	0	5346967
9	1	19	95	1210	0	0	6627398
10	3	7	70	1348	1171	1781	7426781
11	1	13	65	1051	0	0	8098541
12	1	17	90	1572	0	0	8704929
13	3	5	60	1794	1371	1761	9491243
14	2	13	100	1868	1377	0	10028119
15	1	16	75	1432	0	0	10514375
16	1	20	70	1029	0	0	11652197

Long Pulse Radar Test signal

Waveform Num = 24

Num of Bursts = 14

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	11	100	1920	1280	1860	705330
2	3	17	95	1556	1249	1387	1500767
3	3	8	100	1778	1625	1443	1801547
4	1	9	90	1261	0	0	2760788
5	1	9	85	1107	0	0	3952907
6	1	18	95	1454	0	0	4759420
7	3	20	90	1734	1018	1355	5536310
8	3	10	80	1047	1014	1623	6600029
9	2	9	90	1492	1443	0	7165475
10	2	19	95	1303	1556	0	7931874
11	2	18	100	1502	1791	0	9364469
12	3	9	75	1788	1358	1830	9901237
13	3	13	55	1309	1455	1616	10952230
14	1	5	50	1205	0	0	11604425

Long Pulse Radar Test signal							
Waveform Num = 25							
Num of Bursts = 12							
Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	18	50	1851	1280	0	979097
2	2	13	75	1521	1413	0	1020264
3	2	11	60	1547	1573	0	2704638
4	2	8	70	1813	1220	0	3307082
5	1	5	75	1982	0	0	4793325
6	1	6	55	1340	0	0	5997034
7	3	12	85	1852	1533	1079	6854553
8	3	10	95	1024	1664	1303	7643331
9	1	6	100	1036	0	0	8865433
10	3	12	50	1538	1596	1842	9776576
11	1	6	100	1989	0	0	10093880
12	2	9	80	1933	1575	0	11163139

Long Pulse Radar Test signal

Waveform Num = 26

Num of Bursts = 14

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	15	95	1909	0	0	514553
2	3	5	100	1874	1944	1603	1244569
3	1	12	75	1405	0	0	2306288
4	2	13	55	1225	1976	0	3421112
5	2	15	100	1559	1585	0	4043170
6	2	8	100	1736	1380	0	4905191
7	1	12	60	1102	0	0	5390123
8	2	8	75	1272	1979	0	6746451
9	1	20	90	1212	0	0	7241095
10	2	19	100	1875	1579	0	8277403
11	3	13	60	1614	1066	1459	8967309
12	2	16	95	1043	1481	0	9780266
13	1	7	75	1767	0	0	10297105
14	2	14	60	1499	1795	0	11352715

Long Pulse Radar Test signal

Waveform Num = 27

Num of Bursts = 9

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	12	85	1209	1887	1178	1016635
2	1	16	85	1806	0	0	2532287
3	1	13	90	1595	0	0	3187843
4	2	12	80	1493	1168	0	4330447
5	1	9	50	1074	0	0	6009753
6	3	12	90	1258	1548	1524	7322131
7	2	9	70	1595	1055	0	8997720
8	2	13	95	1837	1425	0	9647852
9	3	8	90	1502	1934	1071	11398899

Long Pulse Radar Test signal

Waveform Num = 28

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	15	60	1047	1357	1165	365028
2	1	19	65	1623	0	0	1307345
3	1	17	65	1059	0	0	2336757
4	3	16	90	1762	1825	1891	3115007
5	2	10	75	1298	1639	0	4733707
6	1	14	100	1266	0	0	5123765
7	2	5	55	1357	1203	0	6883193
8	3	17	80	1692	1400	1569	7362239
9	2	7	95	1009	1305	0	8835241
10	3	17	60	1588	1573	1397	9024253
11	2	17	100	1029	1445	0	10503626
12	2	20	85	1003	1673	0	11251744

Long Pulse Radar Test signal

Waveform Num = 29

Num of Bursts = 11

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	9	90	1478	0	0	440961
2	1	19	60	1868	0	0	2085257
3	2	20	95	1426	1916	0	2240580
4	1	12	60	1947	0	0	3779325
5	2	18	95	1690	1252	0	4606362
6	2	12	100	1584	1378	0	5777071
7	1	18	90	1941	0	0	7560476
8	2	16	70	1225	1950	0	8077496
9	2	5	75	1653	1045	0	9112832
10	3	20	100	1099	1446	1308	10311462
11	2	17	85	1072	1495	0	11525835

Long Pulse Radar Test signal

Waveform Num = 30

Num of Bursts = 8

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	20	100	1233	0	0	560850
2	2	15	70	1225	1840	0	1692574
3	1	10	50	1301	0	0	3861143
4	3	7	90	1277	1975	1663	4792878
5	3	18	60	1192	1192	1932	6278581
6	3	10	85	1640	1461	1356	7545576
7	2	20	85	1610	1517	0	9907111
8	1	17	95	1131	0	0	10816858

A.2: The Frequency Hopping Radar Pattern

802.11n HT20 ch 52 Radar 6				
Frequency Hopping Radar Test signal				
Hopping Frequency number-01				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
1	0	5546	50	5648
1	1	5716	51	5653
1	2	5547	52	5650
1	3	5272	53	5586
1	4	5478	54	5525
1	5	5563	55	5265
1	6	5562	56	5691
1	7	5436	57	5537
1	8	5444	58	5607
1	9	5655	59	5254
1	10	5519	60	5425
1	11	5705	61	5378
1	12	5503	62	5664
1	13	5700	63	5379
1	14	5335	64	5588
1	15	5334	65	5304
1	16	5567	66	5702
1	17	5461	67	5479
1	18	5361	68	5401
1	19	5439	69	5259
1	20	5268	70	5540
1	21	5609	71	5585
1	22	5388	72	5601
1	23	5276	73	5615
1	24	5435	74	5510
1	25	5507	75	5714
1	26	5579	76	5696
1	27	5557	77	5640
1	28	5689	78	5312
1	29	5255	79	5329
1	30	5587	80	5285
1	31	5491	81	5692
1	32	5381	82	5353
1	33	5484	83	5337
1	34	5553	84	5621
1	35	5404	85	5636
1	36	5541	86	5473
1	37	5710	87	5297
1	38	5485	88	5599
1	39	5427	89	5715

802.11n HT20 ch 52 Radar 6				
Frequency Hopping Radar Test signal				
Hopping Frequency number-01				
Trail	Hop Frequency	Hop Frequency	Hop Frequency	Hop Frequency
1	40	5352	90	5256
1	41	5253	91	5257
1	42	5542	92	5326
1	43	5495	93	5472
1	44	5529	94	5719
1	45	5403	95	5646
1	46	5721	96	5512
1	47	5303	97	5398
1	48	5596	98	5476
1	49	5396	99	5372

| Frequency Hopping Radar Test signal | | | | |
| Hopping Frequency number-02 | | | | |
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
2	0	5694	50	5647
2	1	5334	51	5486
2	2	5487	52	5413
2	3	5685	53	5669
2	4	5698	54	5302
2	5	5574	55	5406
2	6	5342	56	5565
2	7	5336	57	5680
2	8	5421	58	5290
2	9	5273	59	5531
2	10	5482	60	5670
2	11	5405	61	5391
2	12	5333	62	5517
2	13	5445	63	5689
2	14	5661	64	5441
2	15	5721	65	5407
2	16	5360	66	5314
2	17	5594	67	5686
2	18	5589	68	5368
2	19	5351	69	5446
2	20	5673	70	5582
2	21	5264	71	5512
2	22	5306	72	5256
2	23	5383	73	5639
2	24	5356	74	5602
2	25	5663	75	5646
2	26	5361	76	5590
2	27	5699	77	5458
2	28	5583	78	5430
2	29	5320	79	5624
2	30	5485	80	5618
2	31	5491	81	5667
2	32	5634	82	5464
2	33	5566	83	5623
2	34	5709	84	5554
2	35	5551	85	5506
2	36	5347	86	5366
2	37	5521	87	5346
2	38	5480	88	5552
2	39	5359	89	5557

Frequency Hopping Radar Test signal Hopping Frequency number-02					
Trail	Hop	Frequency	Hop	Frequency	Hop Frequency
2	40	5632	90	5257
2	41	5619	91	5300
2	42	5493	92	5633
2	43	5275	93	5401
2	44	5385	94	5629
2	45	5433	95	5254
2	46	5606	96	5271
2	47	5553	97	5277
2	48	5422	98	5392
2	49	5520	99	5327

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
Frequency Hopping Radar Test signal				
Hopping Frequency number-03				
3	0	5393	50	5260
3	1	5447	51	5352
3	2	5398	52	5428
3	3	5479	53	5601
3	4	5328	54	5603
3	5	5571	55	5689
3	6	5294	56	5259
3	7	5415	57	5467
3	8	5649	58	5616
3	9	5591	59	5341
3	10	5436	60	5642
3	11	5560	61	5693
3	12	5471	62	5353
3	13	5481	63	5345
3	14	5472	64	5484
3	15	5342	65	5623
3	16	5385	66	5469
3	17	5284	67	5256
3	18	5665	68	5411
3	19	5632	69	5526
3	20	5339	70	5362
3	21	5407	71	5356
3	22	5677	72	5426
3	23	5372	73	5437
3	24	5433	74	5708
3	25	5635	75	5564
3	26	5306	76	5402
3	27	5363	77	5257
3	28	5466	78	5687
3	29	5619	79	5550
3	30	5429	80	5480
3	31	5549	81	5416
3	32	5605	82	5274
3	33	5336	83	5612
3	34	5630	84	5581
3	35	5365	85	5285
3	36	5710	86	5290
3	37	5532	87	5690
3	38	5369	88	5323
3	39	5327	89	5703
3	40	5324	90	5675

Frequency Hopping Radar Test signal Hopping Frequency number-03				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
3	42	5651	92	5696
3	43	5423	93	5695
3	44	5406	94	5512
3	45	5507	95	5340
3	46	5292	96	5638
3	47	5301	97	5391
3	48	5374	98	5718
3	49	5701	99	5460

	Frequency Hopping Radar Test signal Hopping Frequency number-04			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
4	0	5648	50	5389
4	1	5530	51	5382
4	2	5324	52	5459
4	3	5472	53	5287
4	4	5290	54	5678
4	5	5429	55	5513
4	6	5690	56	5685
4	7	5436	57	5440
4	8	5360	58	5496
4	9	5421	59	5643
4	10	5568	60	5630
4	11	5497	61	5356
4	12	5604	62	5256
4	13	5268	63	5499
4	14	5544	64	5380
4	15	5602	65	5684
4	16	5286	66	5656
4	17	5439	67	5478
4	18	5594	68	5658
4	19	5623	69	5424
4	20	5691	70	5522
4	21	5353	71	5722
4	22	5652	72	5569
4	23	5590	73	5592
4	24	5519	74	5442
4	25	5456	75	5457
4	26	5349	76	5619
4	27	5578	77	5593
4	28	5418	78	5448
4	29	5517	79	5587
4	30	5525	80	5711
4	31	5383	81	5557
4	32	5313	82	5369
4	33	5420	83	5411
4	34	5483	84	5505
4	35	5257	85	5641
4	36	5400	86	5524
4	37	5538	87	5319
4	38	5279	88	5507
4	39	5438	89	5635
4	40	5521	90	5695

Frequency Hopping Radar Test signal Hopping Frequency number-04				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
4	41	5316	91	5712
4	42	5683	92	5298
4	43	5344	93	5633
4	44	5367	94	5297
4	45	5719	95	5646
4	46	5452	96	5721
4	47	5531	97	5449
4	48	5620	98	5409
4	49	5584	99	5529

Frequency Hopping Radar Test signal				
Hopping Frequency number-05				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
5	0	5650	50	5543
5	1	5579	51	5322
5	2	5596	52	5509
5	3	5590	53	5384
5	4	5423	54	5491
5	5	5402	55	5386
5	6	5340	56	5331
5	7	5430	57	5318
5	8	5620	58	5297
5	9	5303	59	5627
5	10	5381	60	5401
5	11	5447	61	5461
5	12	5486	62	5385
5	13	5625	63	5427
5	14	5529	64	5344
5	15	5500	65	5685
5	16	5329	66	5267
5	17	5320	67	5261
5	18	5251	68	5629
5	19	5495	69	5610
5	20	5252	70	5353
5	21	5659	71	5362
5	22	5453	72	5673
5	23	5482	73	5523
5	24	5383	74	5548
5	25	5409	75	5257
5	26	5553	76	5555
5	27	5563	77	5613
5	28	5290	78	5581
5	29	5695	79	5412
5	30	5263	80	5511
5	31	5634	81	5638
5	32	5483	82	5611
5	33	5336	83	5618
5	34	5410	84	5623
5	35	5394	85	5704
5	36	5708	86	5294
5	37	5317	87	5636
5	38	5431	88	5616
5	39	5465	89	5718

Frequency Hopping Radar Test signal Hopping Frequency number-05				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
5	40	5457	90	5435
5	41	5651	91	5643
5	42	5690	92	5285
5	43	5374	93	5656
5	44	5460	94	5346
5	45	5481	95	5273
5	46	5587	96	5546
5	47	5521	97	5298
5	48	5713	98	5584
5	49	5335	99	5268

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
6	0	5576	50	5691
6	1	5708	51	5564
6	2	5660	52	5577
6	3	5329	53	5703
6	4	5440	54	5330
6	5	5441	55	5537
6	6	5417	56	5697
6	7	5460	57	5436
6	8	5686	58	5296
6	9	5420	59	5412
6	10	5312	60	5458
6	11	5511	61	5548
6	12	5280	62	5555
6	13	5387	63	5469
6	14	5615	64	5700
6	15	5512	65	5551
6	16	5714	66	5479
6	17	5385	67	5354
6	18	5586	68	5480
6	19	5392	69	5423
6	20	5532	70	5346
6	21	5314	71	5338
6	22	5669	72	5671
6	23	5617	73	5638
6	24	5395	74	5624
6	25	5402	75	5620
6	26	5287	76	5439
6	27	5644	77	5712
6	28	5527	78	5457
6	29	5294	79	5327
6	30	5673	80	5505
6	31	5680	81	5377
6	32	5599	82	5538
6	33	5366	83	5490
6	34	5315	84	5677
6	35	5268	85	5355
6	36	5258	86	5253
6	37	5545	87	5646
6	38	5543	88	5415
6	39	5408	89	5578

Frequency Hopping Radar Test signal
Hopping Frequency number-06

Frequency Hopping Radar Test signal
Hopping Frequency number-06

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
6	40	5580	90	5675
6	41	5310	91	5692
6	42	5688	92	5504
6	43	5658	93	5592
6	44	5476	94	5376
6	45	5276	95	5426
6	46	5678	96	5278
6	47	5350	97	5635
6	48	5666	98	5391
6	49	5509	99	5597

Frequency Hopping Radar Test signal				
Hopping Frequency number-07				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
7	0	5640	50	5338
7	1	5405	51	5340
7	2	5557	52	5333
7	3	5618	53	5524
7	4	5436	54	5352
7	5	5642	55	5384
7	6	5591	56	5363
7	7	5583	57	5465
7	8	5345	58	5370
7	9	5572	59	5303
7	10	5263	60	5298
7	11	5507	61	5641
7	12	5721	62	5271
7	13	5494	63	5387
7	14	5570	64	5428
7	15	5619	65	5697
7	16	5636	66	5310
7	17	5272	67	5705
7	18	5660	68	5417
7	19	5424	69	5533
7	20	5445	70	5419
7	21	5273	71	5308
7	22	5485	72	5319
7	23	5657	73	5260
7	24	5534	74	5438
7	25	5539	75	5480
7	26	5495	76	5267
7	27	5504	77	5655
7	28	5555	78	5326
7	29	5390	79	5389
7	30	5498	80	5336
7	31	5610	81	5328
7	32	5325	82	5580
7	33	5662	83	5385
7	34	5603	84	5369
7	35	5575	85	5399
7	36	5691	86	5701
7	37	5672	87	5647
7	38	5342	88	5573
7	39	5627	89	5292

Frequency Hopping Radar Test signal				
Hopping Frequency number-07				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
7	40	5288	90	5667
7	41	5395	91	5301
7	42	5426	92	5623
7	43	5434	93	5332
7	44	5677	94	5358
7	45	5335	95	5381
7	46	5353	96	5365
7	47	5516	97	5606
7	48	5586	98	5685
7	49	5664	99	5464

Frequency Hopping Radar Test signal				
Hopping Frequency number-08				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
8	0	5484	50	5576
8	1	5540	51	5258
8	2	5596	52	5435
8	3	5628	53	5342
8	4	5606	54	5474
8	5	5602	55	5445
8	6	5360	56	5325
8	7	5548	57	5700
8	8	5370	58	5558
8	9	5482	59	5420
8	10	5410	60	5373
8	11	5633	61	5647
8	12	5573	62	5315
8	13	5610	63	5513
8	14	5287	64	5437
8	15	5385	65	5421
8	16	5402	66	5667
8	17	5327	67	5691
8	18	5456	68	5364
8	19	5506	69	5299
8	20	5387	70	5701
8	21	5263	71	5574
8	22	5330	72	5368
8	23	5407	73	5609
8	24	5480	74	5584
8	25	5277	75	5409
8	26	5509	76	5625
8	27	5351	77	5533
8	28	5281	78	5651
8	29	5530	79	5304
8	30	5264	80	5318
8	31	5721	81	5516
8	32	5449	82	5627
8	33	5661	83	5272
8	34	5322	84	5255
8	35	5374	85	5604
8	36	5380	86	5503
8	37	5615	87	5283
8	38	5366	88	5580
8	39	5519	89	5345

Frequency Hopping Radar Test signal			
Hopping Frequency number-08			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
8	40	5541	90	5720
8	41	5399	91	5694
8	42	5352	92	5477
8	43	5382	93	5521
8	44	5305	94	5381
8	45	5614	95	5508
8	46	5585	96	5663
8	47	5517	97	5710
8	48	5418	98	5372
8	49	5514	99	5270

Frequency Hopping Radar Test signal				
Hopping Frequency number-09				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
9	0	5436	50	5687
9	1	5257	51	5261
9	2	5380	52	5340
9	3	5550	53	5515
9	4	5628	54	5350
9	5	5683	55	5389
9	6	5304	56	5699
9	7	5377	57	5263
9	8	5663	58	5664
9	9	5627	59	5694
9	10	5359	60	5533
9	11	5353	61	5682
9	12	5434	62	5456
9	13	5647	63	5621
9	14	5311	64	5326
9	15	5474	65	5409
9	16	5659	66	5415
9	17	5313	67	5420
9	18	5418	68	5295
9	19	5469	69	5419
9	20	5383	70	5479
9	21	5492	71	5695
9	22	5441	72	5345
9	23	5327	73	5527
9	24	5538	74	5360
9	25	5306	75	5587
9	26	5704	76	5639
9	27	5595	77	5618
9	28	5384	78	5642
9	29	5266	79	5486
9	30	5588	80	5465
9	31	5343	81	5459
9	32	5623	82	5610
9	33	5611	83	5365
9	34	5373	84	5520
9	35	5672	85	5684
9	36	5256	86	5632
9	37	5444	87	5603
9	38	5636	88	5536
9	39	5262	89	5341

Frequency Hopping Radar Test signal			
Hopping Frequency number-09			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
9	40	5723	90	5440
9	41	5280	91	5680
9	42	5596	92	5685
9	43	5602	93	5544
9	44	5578	94	5630
9	45	5646	95	5563
9	46	5643	96	5371
9	47	5447	97	5298
9	48	5374	98	5648
9	49	5582	99	5481

Frequency Hopping Radar Test signal
Hopping Frequency number-10

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
10	0	5298	50	5263
10	1	5279	51	5292
10	2	5622	52	5446
10	3	5367	53	5374
10	4	5315	54	5398
10	5	5449	55	5496
10	6	5436	56	5604
10	7	5709	57	5681
10	8	5632	58	5467
10	9	5542	59	5591
10	10	5719	60	5414
10	11	5356	61	5288
10	12	5463	62	5283
10	13	5299	63	5701
10	14	5712	64	5313
10	15	5521	65	5355
10	16	5326	66	5293
10	17	5322	67	5477
10	18	5435	68	5505
10	19	5259	69	5465
10	20	5683	70	5354
10	21	5478	71	5685
10	22	5689	72	5450
10	23	5371	73	5575
10	24	5308	74	5442
10	25	5274	75	5445
10	26	5424	76	5289
10	27	5621	77	5342
10	28	5396	78	5365
10	29	5645	79	5362
10	30	5636	80	5386
10	31	5687	81	5330
10	32	5691	82	5578
10	33	5338	83	5341
10	34	5260	84	5659
10	35	5620	85	5513
10	36	5262	86	5722
10	37	5609	87	5280
10	38	5393	88	5582
10	39	5494	89	5267

Frequency Hopping Radar Test signal
Hopping Frequency number-10

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
10	40	5647	90	5716
10	41	5278	91	5412
10	42	5518	92	5351
10	43	5600	93	5256
10	44	5525	94	5628
10	45	5674	95	5295
10	46	5510	96	5331
10	47	5714	97	5417
10	48	5560	98	5333
10	49	5304	99	5339

Frequency Hopping Radar Test signal				
Hopping Frequency number-11				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
11	0	5532	50	5392
11	1	5706	51	5520
11	2	5257	52	5284
11	3	5641	53	5420
11	4	5290	54	5395
11	5	5406	55	5263
11	6	5713	56	5430
11	7	5316	57	5487
11	8	5250	58	5388
11	9	5400	59	5659
11	10	5291	60	5605
11	11	5578	61	5307
11	12	5397	62	5343
11	13	5341	63	5471
11	14	5492	64	5676
11	15	5649	65	5468
11	16	5447	66	5360
11	17	5475	67	5362
11	18	5268	68	5538
11	19	5557	69	5715
11	20	5533	70	5452
11	21	5416	71	5497
11	22	5473	72	5528
11	23	5368	73	5379
11	24	5722	74	5681
11	25	5318	75	5382
11	26	5411	76	5321
11	27	5696	77	5602
11	28	5531	78	5262
11	29	5480	79	5526
11	30	5691	80	5348
11	31	5426	81	5522
11	32	5464	82	5324
11	33	5710	83	5697
11	34	5595	84	5669
11	35	5584	85	5286
11	36	5486	86	5373
11	37	5513	87	5507
11	38	5534	88	5663
11	39	5574	89	5621

Frequency Hopping Radar Test signal Hopping Frequency number-11			
Trail	Hop Frequency	Hop Frequency	Hop Frequency
11	40	5455	90	5463
11	41	5389	91	5708
11	42	5650	92	5575
11	43	5453	93	5421
11	44	5592	94	5423
11	45	5445	95	5401
11	46	5687	96	5724
11	47	5624	97	5393
11	48	5499	98	5380
11	49	5667	99	5631

Frequency Hopping Radar Test signal				
Hopping Frequency number-12				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
12	0	5650	50	5443
12	1	5486	51	5702
12	2	5651	52	5493
12	3	5333	53	5301
12	4	5648	54	5281
12	5	5477	55	5607
12	6	5693	56	5531
12	7	5593	57	5427
12	8	5260	58	5353
12	9	5553	59	5577
12	10	5276	60	5504
12	11	5645	61	5356
12	12	5595	62	5380
12	13	5479	63	5258
12	14	5291	64	5591
12	15	5280	65	5252
12	16	5295	66	5385
12	17	5256	67	5527
12	18	5501	68	5605
12	19	5510	69	5499
12	20	5445	70	5437
12	21	5392	71	5434
12	22	5631	72	5465
12	23	5277	73	5578
12	24	5429	74	5352
12	25	5624	75	5613
12	26	5268	76	5724
12	27	5638	77	5259
12	28	5666	78	5552
12	29	5463	79	5480
12	30	5632	80	5473
12	31	5404	81	5381
12	32	5314	82	5261
12	33	5589	83	5640
12	34	5401	84	5688
12	35	5652	85	5405
12	36	5515	86	5464
12	37	5387	87	5411
12	38	5520	88	5409
12	39	5320	89	5505

Frequency Hopping Radar Test signal Hopping Frequency number-12			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
12	40	5282	90	5705
12	41	5390	91	5413
12	42	5722	92	5331
12	43	5430	93	5707
12	44	5525	94	5414
12	45	5680	95	5507
12	46	5335	96	5322
12	47	5611	97	5285
12	48	5679	98	5407
12	49	5426	99	5568

Frequency Hopping Radar Test signal
Hopping Frequency number-13

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
13	0	5512	50	5348
13	1	5504	51	5261
13	2	5444	52	5346
13	3	5526	53	5366
13	4	5560	54	5548
13	5	5460	55	5664
13	6	5535	56	5359
13	7	5543	57	5613
13	8	5260	58	5719
13	9	5520	59	5377
13	10	5685	60	5545
13	11	5496	61	5522
13	12	5534	62	5358
13	13	5365	63	5638
13	14	5720	64	5668
13	15	5320	65	5466
13	16	5268	66	5450
13	17	5288	67	5279
13	18	5373	68	5362
13	19	5524	69	5711
13	20	5618	70	5353
13	21	5330	71	5607
13	22	5472	72	5487
13	23	5600	73	5632
13	24	5666	74	5343
13	25	5705	75	5273
13	26	5447	76	5458
13	27	5532	77	5282
13	28	5332	78	5612
13	29	5305	79	5334
13	30	5428	80	5347
13	31	5349	81	5263
13	32	5312	82	5674
13	33	5603	83	5519
13	34	5619	84	5439
13	35	5482	85	5318
13	36	5281	86	5558
13	37	5315	87	5511
13	38	5381	88	5697
13	39	5557	89	5269

Frequency Hopping Radar Test signal				
Hopping Frequency number-13				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
13	40	5616	90	5507
13	41	5576	91	5307
13	42	5463	92	5634
13	43	5409	93	5630
13	44	5571	94	5361
13	45	5495	95	5615
13	46	5378	96	5508
13	47	5696	97	5681
13	48	5684	98	5486
13	49	5290	99	5316

Frequency Hopping Radar Test signal				
Hopping Frequency number-14				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
14	0	5709	50	5383
14	1	5275	51	5478
14	2	5466	52	5527
14	3	5714	53	5622
14	4	5410	54	5498
14	5	5717	55	5262
14	6	5425	56	5513
14	7	5697	57	5349
14	8	5512	58	5437
14	9	5493	59	5612
14	10	5392	60	5581
14	11	5535	61	5439
14	12	5607	62	5377
14	13	5711	63	5285
14	14	5441	64	5279
14	15	5562	65	5426
14	16	5391	66	5380
14	17	5307	67	5276
14	18	5290	68	5585
14	19	5648	69	5705
14	20	5691	70	5486
14	21	5551	71	5608
14	22	5256	72	5692
14	23	5348	73	5398
14	24	5621	74	5312
14	25	5251	75	5472
14	26	5405	76	5722
14	27	5376	77	5694
14	28	5454	78	5588
14	29	5366	79	5448
14	30	5523	80	5375
14	31	5663	81	5429
14	32	5613	82	5689
14	33	5701	83	5665
14	34	5499	84	5603
14	35	5642	85	5577
14	36	5287	86	5667
14	37	5278	87	5593
14	38	5355	88	5416
14	39	5370	89	5707

Frequency Hopping Radar Test signal Hopping Frequency number-14				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
14	40	5636	90	5702
14	41	5509	91	5303
14	42	5713	92	5252
14	43	5614	93	5572
14	44	5507	94	5678
14	45	5596	95	5473
14	46	5616	96	5322
14	47	5700	97	5494
14	48	5659	98	5267
14	49	5580	99	5529

Frequency Hopping Radar Test signal			
Hopping Frequency number-15			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
15	0	5432	50	5456
15	1	5627	51	5484
15	2	5502	52	5354
15	3	5553	53	5261
15	4	5525	54	5722
15	5	5563	55	5573
15	6	5704	56	5324
15	7	5620	57	5307
15	8	5457	58	5445
15	9	5659	59	5528
15	10	5709	60	5651
15	11	5713	61	5440
15	12	5654	62	5504
15	13	5506	63	5257
15	14	5314	64	5276
15	15	5391	65	5372
15	16	5695	66	5361
15	17	5279	67	5558
15	18	5483	68	5460
15	19	5507	69	5313
15	20	5600	70	5603
15	21	5436	71	5283
15	22	5272	72	5412
15	23	5501	73	5449
15	24	5298	74	5594
15	25	5299	75	5649
15	26	5419	76	5250
15	27	5519	77	5638
15	28	5481	78	5400
15	29	5455	79	5376
15	30	5641	80	5470
15	31	5526	81	5635
15	32	5686	82	5521
15	33	5569	83	5258
15	34	5602	84	5297
15	35	5655	85	5256
15	36	5424	86	5714
15	37	5308	87	5719
15	38	5494	88	5390
15	39	5671	89	5656

Frequency Hopping Radar Test signal			
Hopping Frequency number-15			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
15	40	5302	90	5557
15	41	5574	91	5570
15	42	5587	92	5389
15	43	5370	93	5262
15	44	5500	94	5542
15	45	5543	95	5684
15	46	5384	96	5442
15	47	5353	97	5513
15	48	5365	98	5397
15	49	5421	99	5380

Frequency Hopping Radar Test signal Hopping Frequency number-16				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
16	0	5366	50	5258
16	1	5658	51	5705
16	2	5368	52	5547
16	3	5429	53	5567
16	4	5521	54	5340
16	5	5609	55	5319
16	6	5420	56	5372
16	7	5304	57	5577
16	8	5358	58	5278
16	9	5670	59	5526
16	10	5383	60	5392
16	11	5591	61	5321
16	12	5659	62	5276
16	13	5424	63	5391
16	14	5412	64	5364
16	15	5556	65	5522
16	16	5489	66	5349
16	17	5399	67	5667
16	18	5445	68	5396
16	19	5710	69	5376
16	20	5704	70	5448
16	21	5682	71	5722
16	22	5637	72	5440
16	23	5444	73	5600
16	24	5594	74	5419
16	25	5505	75	5713
16	26	5436	76	5508
16	27	5544	77	5359
16	28	5465	78	5332
16	29	5446	79	5520
16	30	5339	80	5253
16	31	5367	81	5689
16	32	5603	82	5299
16	33	5460	83	5538
16	34	5413	84	5718
16	35	5698	85	5514
16	36	5525	86	5301
16	37	5536	87	5257
16	38	5627	88	5697
16	39	5605	89	5672

Frequency Hopping Radar Test signal				
Hopping Frequency number-16				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
16	40	5300	90	5371
16	41	5427	91	5708
16	42	5677	92	5621
16	43	5685	93	5566
16	44	5663	94	5395
16	45	5479	95	5484
16	46	5333	96	5604
16	47	5475	97	5279
16	48	5546	98	5684
16	49	5616	99	5322

Frequency Hopping Radar Test signal
Hopping Frequency number-17

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
17	0	5329	50	5337
17	1	5474	51	5673
17	2	5386	52	5597
17	3	5721	53	5537
17	4	5642	54	5403
17	5	5554	55	5630
17	6	5582	56	5381
17	7	5376	57	5271
17	8	5557	58	5505
17	9	5602	59	5298
17	10	5276	60	5629
17	11	5269	61	5683
17	12	5281	62	5657
17	13	5628	63	5318
17	14	5544	64	5384
17	15	5664	65	5431
17	16	5345	66	5714
17	17	5493	67	5592
17	18	5635	68	5661
17	19	5607	69	5724
17	20	5529	70	5675
17	21	5282	71	5418
17	22	5377	72	5560
17	23	5645	73	5322
17	24	5580	74	5568
17	25	5398	75	5653
17	26	5504	76	5424
17	27	5611	77	5497
17	28	5446	78	5265
17	29	5660	79	5270
17	30	5274	80	5388
17	31	5548	81	5591
17	32	5401	82	5552
17	33	5447	83	5310
17	34	5687	84	5656
17	35	5259	85	5588
17	36	5520	86	5575
17	37	5598	87	5428
17	38	5463	88	5649
17	39	5556	89	5563

Frequency Hopping Radar Test signal Hopping Frequency number-17			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
17	40	5461	90	5439
17	41	5677	91	5317
17	42	5646	92	5565
17	43	5540	93	5272
17	44	5605	94	5365
17	45	5402	95	5417
17	46	5278	96	5326
17	47	5411	97	5702
17	48	5292	98	5413
17	49	5488	99	5266

Frequency Hopping Radar Test signal
Hopping Frequency number-18

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
18	0	5558	50	5478
18	1	5345	51	5264
18	2	5509	52	5701
18	3	5305	53	5521
18	4	5551	54	5564
18	5	5698	55	5396
18	6	5692	56	5571
18	7	5316	57	5627
18	8	5711	58	5654
18	9	5299	59	5702
18	10	5512	60	5302
18	11	5650	61	5679
18	12	5337	62	5432
18	13	5713	63	5441
18	14	5681	64	5343
18	15	5469	65	5367
18	16	5419	66	5300
18	17	5382	67	5412
18	18	5637	68	5380
18	19	5467	69	5493
18	20	5423	70	5317
18	21	5526	71	5347
18	22	5308	72	5320
18	23	5688	73	5263
18	24	5522	74	5262
18	25	5574	75	5501
18	26	5675	76	5376
18	27	5607	77	5670
18	28	5535	78	5416
18	29	5593	79	5388
18	30	5642	80	5680
18	31	5413	81	5655
18	32	5481	82	5520
18	33	5283	83	5659
18	34	5390	84	5723
18	35	5271	85	5353
18	36	5399	86	5663
18	37	5293	87	5573
18	38	5566	88	5401
18	39	5266	89	5460

Frequency Hopping Radar Test signal Hopping Frequency number-18			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
18	40	5569	90	5417
18	41	5609	91	5604
18	42	5673	92	5576
18	43	5513	93	5374
18	44	5580	94	5537
18	45	5349	95	5611
18	46	5323	96	5519
18	47	5265	97	5321
18	48	5260	98	5529
18	49	5351	99	5392

Frequency Hopping Radar Test signal				
Hopping Frequency number-19				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
19	0	5347	50	5721
19	1	5695	51	5395
19	2	5465	52	5419
19	3	5703	53	5406
19	4	5380	54	5365
19	5	5478	55	5353
19	6	5519	56	5263
19	7	5294	57	5490
19	8	5594	58	5259
19	9	5408	59	5341
19	10	5659	60	5439
19	11	5505	61	5529
19	12	5335	62	5715
19	13	5583	63	5615
19	14	5460	64	5496
19	15	5466	65	5504
19	16	5398	66	5468
19	17	5697	67	5712
19	18	5557	68	5336
19	19	5366	69	5689
19	20	5561	70	5597
19	21	5269	71	5457
19	22	5272	72	5671
19	23	5337	73	5436
19	24	5553	74	5363
19	25	5501	75	5500
19	26	5592	76	5410
19	27	5717	77	5339
19	28	5393	78	5656
19	29	5373	79	5415
19	30	5374	80	5434
19	31	5685	81	5348
19	32	5330	82	5719
19	33	5352	83	5666
19	34	5705	84	5307
19	35	5321	85	5438
19	36	5668	86	5554
19	37	5346	87	5584
19	38	5256	88	5388
19	39	5713	89	5630

Frequency Hopping Radar Test signal Hopping Frequency number-19			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
19	40	5606	90	5326
19	41	5399	91	5275
19	42	5569	92	5579
19	43	5688	93	5387
19	44	5377	94	5351
19	45	5300	95	5358
19	46	5298	96	5470
19	47	5495	97	5623
19	48	5364	98	5486
19	49	5663	99	5371

Frequency Hopping Radar Test signal				
Hopping Frequency number-20				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
20	0	5423	50	5281
20	1	5580	51	5469
20	2	5542	52	5653
20	3	5334	53	5490
20	4	5332	54	5461
20	5	5564	55	5666
20	6	5719	56	5606
20	7	5568	57	5382
20	8	5417	58	5274
20	9	5290	59	5369
20	10	5714	60	5355
20	11	5591	61	5596
20	12	5713	62	5321
20	13	5688	63	5276
20	14	5465	64	5662
20	15	5365	65	5477
20	16	5379	66	5551
20	17	5408	67	5416
20	18	5370	68	5658
20	19	5685	69	5378
20	20	5656	70	5597
20	21	5548	71	5716
20	22	5481	72	5539
20	23	5614	73	5343
20	24	5404	74	5320
20	25	5460	75	5366
20	26	5613	76	5651
20	27	5587	77	5340
20	28	5632	78	5619
20	29	5697	79	5689
20	30	5524	80	5428
20	31	5563	81	5498
20	32	5371	82	5337
20	33	5663	83	5520
20	34	5531	84	5392
20	35	5473	85	5499
20	36	5310	86	5574
20	37	5513	87	5643
20	38	5556	88	5527
20	39	5345	89	5401

Frequency Hopping Radar Test signal			
Hopping Frequency number-20			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
20	40	5375	90	5511
20	41	5377	91	5634
20	42	5295	92	5358
20	43	5338	93	5325
20	44	5657	94	5694
20	45	5443	95	5495
20	46	5589	96	5347
20	47	5475	97	5641
20	48	5367	98	5283
20	49	5720	99	5422

Frequency Hopping Radar Test signal
Hopping Frequency number-21

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
21	0	5441	50	5354
21	1	5631	51	5490
21	2	5555	52	5579
21	3	5510	53	5463
21	4	5557	54	5255
21	5	5652	55	5560
21	6	5693	56	5705
21	7	5381	57	5499
21	8	5447	58	5669
21	9	5496	59	5376
21	10	5626	60	5378
21	11	5685	61	5541
21	12	5715	62	5536
21	13	5345	63	5389
21	14	5505	64	5391
21	15	5333	65	5723
21	16	5250	66	5500
21	17	5479	67	5698
21	18	5448	68	5428
21	19	5623	69	5280
21	20	5276	70	5274
21	21	5271	71	5507
21	22	5477	72	5488
21	23	5694	73	5351
21	24	5420	74	5369
21	25	5561	75	5716
21	26	5413	76	5588
21	27	5327	77	5289
21	28	5532	78	5535
21	29	5325	79	5360
21	30	5277	80	5619
21	31	5252	81	5702
21	32	5310	82	5672
21	33	5523	83	5422
21	34	5495	84	5639
21	35	5382	85	5377
21	36	5563	86	5349
21	37	5712	87	5415
21	38	5637	88	5473
21	39	5528	89	5662

Frequency Hopping Radar Test signal Hopping Frequency number-21				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
21	40	5324	90	5408
21	41	5575	91	5653
21	42	5651	92	5522
21	43	5538	93	5647
21	44	5452	94	5321
21	45	5503	95	5353
21	46	5708	96	5295
21	47	5552	97	5565
21	48	5433	98	5642
21	49	5614	99	5695

Frequency Hopping Radar Test signal
Hopping Frequency number-22

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
22	0	5522	50	5722
22	1	5677	51	5339
22	2	5528	52	5676
22	3	5503	53	5390
22	4	5404	54	5575
22	5	5263	55	5347
22	6	5273	56	5311
22	7	5427	57	5607
22	8	5320	58	5378
22	9	5591	59	5403
22	10	5426	60	5519
22	11	5483	61	5327
22	12	5359	62	5633
22	13	5571	63	5405
22	14	5558	64	5670
22	15	5648	65	5371
22	16	5437	66	5491
22	17	5355	67	5473
22	18	5627	68	5466
22	19	5529	69	5326
22	20	5502	70	5631
22	21	5533	71	5651
22	22	5370	72	5509
22	23	5380	73	5325
22	24	5303	74	5265
22	25	5554	75	5694
22	26	5505	76	5435
22	27	5580	77	5643
22	28	5715	78	5482
22	29	5360	79	5308
22	30	5422	80	5260
22	31	5615	81	5680
22	32	5443	82	5566
22	33	5622	83	5634
22	34	5618	84	5708
22	35	5398	85	5504
22	36	5301	86	5604
22	37	5538	87	5289
22	38	5661	88	5674
22	39	5281	89	5459

Frequency Hopping Radar Test signal				
Hopping Frequency number-22				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
22	40	5397	90	5689
22	41	5414	91	5707
22	42	5361	92	5313
22	43	5284	93	5400
22	44	5377	94	5703
22	45	5556	95	5690
22	46	5527	96	5431
22	47	5598	97	5517
22	48	5434	98	5498
22	49	5419	99	5279

Frequency Hopping Radar Test signal			
Hopping Frequency number-23			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
23	0	5549	50	5282
23	1	5620	51	5434
23	2	5707	52	5592
23	3	5509	53	5315
23	4	5658	54	5511
23	5	5610	55	5361
23	6	5563	56	5464
23	7	5483	57	5565
23	8	5697	58	5463
23	9	5606	59	5298
23	10	5598	60	5532
23	11	5388	61	5308
23	12	5448	62	5672
23	13	5376	63	5551
23	14	5413	64	5722
23	15	5507	65	5290
23	16	5257	66	5320
23	17	5327	67	5640
23	18	5673	68	5554
23	19	5311	69	5503
23	20	5356	70	5579
23	21	5515	71	5558
23	22	5439	72	5676
23	23	5706	73	5534
23	24	5552	74	5469
23	25	5460	75	5374
23	26	5338	76	5650
23	27	5294	77	5671
23	28	5264	78	5428
23	29	5358	79	5252
23	30	5514	80	5480
23	31	5479	81	5712
23	32	5581	82	5268
23	33	5435	83	5720
23	34	5625	84	5488
23	35	5691	85	5604
23	36	5337	86	5405
23	37	5523	87	5302
23	38	5544	88	5360

Frequency Hopping Radar Test signal Hopping Frequency number-23				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
23	39	5639	89	5493
23	40	5615	90	5495
23	41	5522	91	5630
23	42	5550	92	5260
23	43	5501	93	5486
23	44	5281	94	5454
23	45	5517	95	5415
23	46	5611	96	5414
23	47	5571	97	5258
23	48	5472	98	5714
23	49	5467	99	5653

Frequency Hopping Radar Test signal				
Hopping Frequency number-24				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
24	0	5568	50	5479
24	1	5626	51	5452
24	2	5508	52	5291
24	3	5582	53	5450
24	4	5317	54	5451
24	5	5493	55	5344
24	6	5398	56	5606
24	7	5311	57	5257
24	8	5500	58	5296
24	9	5376	59	5438
24	10	5348	60	5322
24	11	5441	61	5329
24	12	5502	62	5635
24	13	5444	63	5718
24	14	5269	64	5290
24	15	5609	65	5265
24	16	5710	66	5300
24	17	5689	67	5417
24	18	5469	68	5569
24	19	5431	69	5700
24	20	5394	70	5685
24	21	5512	71	5472
24	22	5414	72	5285
24	23	5361	73	5600
24	24	5714	74	5437
24	25	5251	75	5320
24	26	5411	76	5703
24	27	5464	77	5483
24	28	5276	78	5654
24	29	5325	79	5522
24	30	5313	80	5587
24	31	5435	81	5252
24	32	5663	82	5286
24	33	5312	83	5530
24	34	5402	84	5366
24	35	5397	85	5330
24	36	5268	86	5388
24	37	5544	87	5460
24	38	5550	88	5651
24	39	5429	89	5578

Frequency Hopping Radar Test signal			
Hopping Frequency number-24			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
24	40	5627	90	5588
24	41	5362	91	5613
24	42	5375	92	5603
24	43	5352	93	5283
24	44	5495	94	5693
24	45	5439	95	5535
24	46	5477	96	5475
24	47	5625	97	5335
24	48	5447	98	5390
24	49	5659	99	5350

Frequency Hopping Radar Test signal				
Hopping Frequency number-25				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
25	0	5705	50	5452
25	1	5634	51	5575
25	2	5574	52	5456
25	3	5283	53	5494
25	4	5407	54	5569
25	5	5301	55	5562
25	6	5383	56	5477
25	7	5560	57	5485
25	8	5468	58	5472
25	9	5654	59	5267
25	10	5715	60	5642
25	11	5682	61	5335
25	12	5516	62	5506
25	13	5332	63	5393
25	14	5580	64	5421
25	15	5702	65	5304
25	16	5338	66	5463
25	17	5691	67	5299
25	18	5638	68	5427
25	19	5590	69	5409
25	20	5724	70	5322
25	21	5271	71	5604
25	22	5420	72	5496
25	23	5444	73	5475
25	24	5576	74	5539
25	25	5639	75	5391
25	26	5511	76	5640
25	27	5321	77	5684
25	28	5369	78	5430
25	29	5288	79	5327
25	30	5509	80	5303
25	31	5284	81	5471
25	32	5266	82	5422
25	33	5522	83	5374
25	34	5319	84	5357
25	35	5685	85	5382
25	36	5386	86	5307
25	37	5540	87	5658
25	38	5656	88	5446

Frequency Hopping Radar Test signal Hopping Frequency number-25				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
25	39	5345	89	5352
25	40	5438	90	5559
25	41	5295	91	5325
25	42	5693	92	5599
25	43	5601	93	5714
25	44	5385	94	5721
25	45	5723	95	5253
25	46	5479	96	5457
25	47	5513	97	5411
25	48	5596	98	5376
25	49	5483	99	5465

Frequency Hopping Radar Test signal				
Hopping Frequency number-26				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
26	0	5352	50	5424
26	1	5489	51	5678
26	2	5625	52	5267
26	3	5688	53	5420
26	4	5319	54	5585
26	5	5547	55	5544
26	6	5291	56	5442
26	7	5307	57	5692
26	8	5611	58	5435
26	9	5579	59	5369
26	10	5417	60	5485
26	11	5252	61	5653
26	12	5363	62	5600
26	13	5554	63	5724
26	14	5388	64	5556
26	15	5375	65	5590
26	16	5481	66	5508
26	17	5698	67	5536
26	18	5366	68	5474
26	19	5345	69	5560
26	20	5303	70	5648
26	21	5457	71	5305
26	22	5623	72	5459
26	23	5574	73	5386
26	24	5636	74	5360
26	25	5512	75	5646
26	26	5264	76	5423
26	27	5355	77	5385
26	28	5576	78	5595
26	29	5469	79	5447
26	30	5670	80	5493
26	31	5262	81	5451
26	32	5349	82	5594
26	33	5378	83	5676
26	34	5534	84	5506
26	35	5276	85	5716
26	36	5425	86	5644
26	37	5682	87	5374
26	38	5368	88	5665
26	39	5509	89	5503

Frequency Hopping Radar Test signal			
Hopping Frequency number-26			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
26	40	5419	90	5376
26	41	5513	91	5526
26	42	5413	92	5593
26	43	5300	93	5614
26	44	5362	94	5299
26	45	5689	95	5340
26	46	5273	96	5632
26	47	5433	97	5294
26	48	5561	98	5364
26	49	5704	99	5496

Frequency Hopping Radar Test signal				
Hopping Frequency number-27				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
27	0	5334	50	5620
27	1	5623	51	5657
27	2	5257	52	5534
27	3	5494	53	5468
27	4	5401	54	5697
27	5	5517	55	5288
27	6	5387	56	5610
27	7	5316	57	5283
27	8	5689	58	5495
27	9	5654	59	5677
27	10	5711	60	5480
27	11	5652	61	5376
27	12	5532	62	5537
27	13	5666	63	5641
27	14	5565	64	5596
27	15	5549	65	5460
27	16	5388	66	5670
27	17	5353	67	5433
27	18	5613	68	5286
27	19	5619	69	5699
27	20	5584	70	5291
27	21	5557	71	5510
27	22	5302	72	5383
27	23	5475	73	5555
27	24	5415	74	5541
27	25	5449	75	5499
27	26	5368	76	5340
27	27	5384	77	5462
27	28	5275	78	5421
27	29	5481	79	5661
27	30	5325	80	5492
27	31	5271	81	5347
27	32	5425	82	5287
27	33	5567	83	5605
27	34	5374	84	5285
27	35	5554	85	5435
27	36	5631	86	5536
27	37	5437	87	5341
27	38	5451	88	5375

Frequency Hopping Radar Test signal Hopping Frequency number-27				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
27	39	5358	89	5420
27	40	5603	90	5308
27	41	5456	91	5696
27	42	5265	92	5588
27	43	5356	93	5627
27	44	5663	94	5569
27	45	5471	95	5643
27	46	5466	96	5273
27	47	5452	97	5314
27	48	5488	98	5691
27	49	5459	99	5292

Frequency Hopping Radar Test signal				
Hopping Frequency number-28				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
28	0	5302	50	5632
28	1	5250	51	5638
28	2	5460	52	5278
28	3	5485	53	5597
28	4	5420	54	5567
28	5	5462	55	5390
28	6	5623	56	5707
28	7	5422	57	5691
28	8	5659	58	5418
28	9	5428	59	5315
28	10	5505	60	5355
28	11	5621	61	5622
28	12	5570	62	5620
28	13	5304	63	5498
28	14	5670	64	5433
28	15	5587	65	5429
28	16	5430	66	5294
28	17	5292	67	5602
28	18	5604	68	5609
28	19	5627	69	5599
28	20	5681	70	5490
28	21	5674	71	5357
28	22	5719	72	5399
28	23	5630	73	5438
28	24	5665	74	5588
28	25	5549	75	5257
28	26	5293	76	5425
28	27	5619	77	5404
28	28	5385	78	5395
28	29	5401	79	5550
28	30	5437	80	5265
28	31	5539	81	5489
28	32	5501	82	5311
28	33	5713	83	5580
28	34	5514	84	5348
28	35	5356	85	5653
28	36	5658	86	5708
28	37	5484	87	5376
28	38	5543	88	5451

Frequency Hopping Radar Test signal Hopping Frequency number-28			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
28	39	5340	89	5564
28	40	5519	90	5446
28	41	5479	91	5419
28	42	5685	92	5291
28	43	5618	93	5454
28	44	5596	94	5492
28	45	5478	95	5364
28	46	5343	96	5318
28	47	5624	97	5518
28	48	5347	98	5556
28	49	5592	99	5503

Frequency Hopping Radar Test signal				
Hopping Frequency number-29				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
29	0	5459	50	5356
29	1	5416	51	5288
29	2	5701	52	5539
29	3	5714	53	5274
29	4	5434	54	5602
29	5	5691	55	5408
29	6	5652	56	5668
29	7	5426	57	5276
29	8	5368	58	5643
29	9	5438	59	5654
29	10	5299	60	5556
29	11	5312	61	5373
29	12	5262	62	5526
29	13	5427	63	5342
29	14	5328	64	5655
29	15	5599	65	5674
29	16	5435	66	5533
29	17	5664	67	5565
29	18	5626	68	5567
29	19	5615	69	5584
29	20	5268	70	5612
29	21	5423	71	5694
29	22	5375	72	5568
29	23	5339	73	5509
29	24	5387	74	5298
29	25	5517	75	5428
29	26	5422	76	5353
29	27	5351	77	5397
29	28	5631	78	5474
29	29	5534	79	5296
29	30	5425	80	5257
29	31	5464	81	5327
29	32	5661	82	5463
29	33	5527	83	5558
29	34	5666	84	5305
29	35	5361	85	5437
29	36	5476	86	5324
29	37	5489	87	5267
29	38	5487	88	5433

Frequency Hopping Radar Test signal				
Hopping Frequency number-29				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
29	39	5721	89	5480
29	40	5600	90	5467
29	41	5659	91	5682
29	42	5446	92	5516
29	43	5497	93	5662
29	44	5449	94	5596
29	45	5277	95	5453
29	46	5603	96	5363
29	47	5633	97	5404
29	48	5685	98	5504
29	49	5285	99	5372

Frequency Hopping Radar Test signal
Hopping Frequency number-30

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
30	0	5707	50	5649
30	1	5399	51	5441
30	2	5418	52	5523
30	3	5714	53	5525
30	4	5497	54	5365
30	5	5282	55	5542
30	6	5692	56	5645
30	7	5718	57	5540
30	8	5280	58	5480
30	9	5256	59	5616
30	10	5404	60	5406
30	11	5265	61	5565
30	12	5312	62	5679
30	13	5575	63	5513
30	14	5555	64	5413
30	15	5650	65	5717
30	16	5607	66	5570
30	17	5492	67	5515
30	18	5330	68	5667
30	19	5706	69	5557
30	20	5313	70	5326
30	21	5618	71	5477
30	22	5593	72	5672
30	23	5527	73	5716
30	24	5393	74	5295
30	25	5436	75	5553
30	26	5626	76	5506
30	27	5251	77	5723
30	28	5340	78	5637
30	29	5710	79	5272
30	30	5705	80	5601
30	31	5379	81	5521
30	32	5327	82	5324
30	33	5368	83	5663
30	34	5396	84	5479
30	35	5310	85	5342
30	36	5325	86	5416
30	37	5722	87	5491
30	38	5522	88	5360

| Frequency Hopping Radar Test signal |||||
| Hopping Frequency number-30 |||||
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
30	39	5392	89	5456
30	40	5391	90	5318
30	41	5581	91	5283
30	42	5590	92	5333
30	43	5625	93	5380
30	44	5684	94	5482
30	45	5469	95	5252
30	46	5478	96	5293
30	47	5328	97	5488
30	48	5450	98	5471
30	49	5455	99	5449

A.3 The Long Pulse Radar Pattern

802.11n HT40 CH 102 Radar 5

Long Pulse Radar Test signal							
Waveform Num = 1							
Num of Bursts = 15							
Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	18	65	1162	0	0	71868
2	2	5	90	1137	1807	0	1138637
3	2	5	60	1987	1407	0	2047334
4	1	8	95	1519	0	0	2721145
5	1	13	85	1102	0	0	3898572
6	1	7	95	1561	0	0	4649687
7	3	9	90	1906	1926	1867	5377852
8	1	15	75	1225	0	0	5815856
9	3	17	70	1486	1359	1791	6420909
10	3	19	60	1947	1594	1299	7734168
11	3	16	65	1905	1870	1333	8041277
12	1	12	95	1251	0	0	9555860
13	1	17	100	1328	0	0	9667720
14	3	20	70	1581	1517	1550	10693982
15	3	14	50	1819	1585	1313	11389032

Long Pulse Radar Test signal

Waveform Num = 2

Num of Bursts = 16

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	7	75	1807	1680	0	261155
2	2	8	95	1160	1789	0	1041407
3	3	17	70	1625	1429	1240	1742225
4	3	6	80	1562	1484	1043	2491455
5	3	18	100	1874	1654	1035	3304697
6	2	20	65	1052	1160	0	3994385
7	3	15	65	1032	1214	1676	4658096
8	1	16	95	1788	0	0	5481777
9	1	8	60	1475	0	0	6294791
10	2	8	80	1232	1754	0	7179945
11	1	17	75	1199	0	0	7952533
12	2	12	55	1777	1158	0	8297068
13	1	16	100	1166	0	0	9748508
14	3	12	75	1752	1293	1543	10390429
15	2	9	100	1939	1593	0	10590563
16	2	7	90	1408	1448	0	11358043

Long Pulse Radar Test signal

Waveform Num = 3

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	9	65	1060	1564	0	382442
2	2	16	50	1607	1220	0	1407225
3	3	12	55	1280	1648	1660	2961034
4	3	11	60	1995	1842	1127	3226850
5	3	16	75	1351	1611	1622	4403985
6	1	18	55	1214	0	0	5709020
7	3	15	100	1274	1298	1937	6079348
8	3	10	60	1135	1065	1139	7265121
9	1	16	65	1609	0	0	8013988
10	3	7	70	1732	1716	1626	9241139
11	2	14	55	1232	1116	0	10528479
12	3	12	60	1908	1727	1660	11676854

Long Pulse Radar Test signal

Waveform Num = 4

Num of Bursts = 17

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	5	95	1099	0	0	545233
2	1	20	100	1221	0	0	1297031
3	1	10	50	1425	0	0	1504649
4	1	7	95	1371	0	0	2364364
5	1	15	50	1948	0	0	3384879
6	2	7	95	1562	1131	0	3902947
7	2	5	60	1097	1637	0	4272870
8	2	14	55	1082	1359	0	5108355
9	3	15	50	1988	1091	1066	5802254
10	3	18	65	1968	1820	1688	6703506
11	3	7	50	1832	1834	1896	7718458
12	3	8	55	1086	1849	1822	7978497
13	1	16	90	1936	0	0	9173666
14	3	7	95	1066	1003	1825	9631940
15	3	11	80	1803	1015	1692	10340208
16	3	17	85	1073	1896	1781	11121402
17	3	15	75	1067	1991	1331	11580933

Long Pulse Radar Test signal

Waveform Num = 5

Num of Bursts = 10

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	14	65	1177	0	0	746708
2	1	19	75	1160	0	0	1559661
3	2	8	85	1055	1124	0	3306288
4	1	15	60	1090	0	0	4102722
5	1	17	75	1400	0	0	5233425
6	1	16	85	1236	0	0	6825669
7	3	9	90	1435	1662	1303	7916996
8	2	7	100	1172	1266	0	9122375
9	3	11	100	1046	1391	1367	10610228
10	3	9	80	1452	1438	1750	11027779

Long Pulse Radar Test signal

Waveform Num = 6

Num of Bursts = 10

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	5	75	1856	1495	1267	80346
2	3	6	90	1901	1565	1012	1535540
3	3	13	100	1882	1760	1830	2627832
4	1	12	100	1707	0	0	4474540
5	2	11	60	1442	1319	0	5012913
6	3	8	70	1357	1539	1489	6409215
7	1	12	60	1562	0	0	7550685
8	3	15	70	1451	1038	1409	8501317
9	1	12	100	1070	0	0	10038889
10	2	10	80	1461	1584	0	11738059

Long Pulse Radar Test signal

Waveform Num = 7

Num of Bursts = 14

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	5	90	1793	1564	0	413678
2	3	5	95	1923	1771	1453	994312
3	2	8	55	1078	1688	0	2449016
4	2	11	95	1238	1987	0	3000508
5	2	12	60	1175	1445	0	3595574
6	2	14	55	1638	1995	0	4805478
7	2	6	55	1253	1748	0	5509440
8	1	13	90	1167	0	0	6434976
9	1	8	75	1956	0	0	7622241
10	1	15	85	1131	0	0	7764094
11	2	19	75	1511	1037	0	9256668
12	3	5	55	1433	1194	1941	9895685
13	2	11	75	1454	1846	0	10846903
14	3	18	50	1228	1024	1494	11736903

Long Pulse Radar Test signal

Waveform Num = 8

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	15	90	1927	1972	0	24030
2	2	15	65	1124	1389	0	1614453
3	2	17	50	1943	1214	0	2175260
4	1	6	65	1230	0	0	3829902
5	3	12	90	1699	1840	1426	4577512
6	2	16	80	1711	1231	0	5778740
7	2	8	80	1168	1144	0	6062604
8	3	17	70	1132	1579	1652	7882397
9	3	14	60	1620	1312	1932	8418512
10	2	6	95	1384	1810	0	9374605
11	2	19	70	1053	1018	0	10974254
12	1	5	60	1334	0	0	11383096

Long Pulse Radar Test signal

Waveform Num = 9 Num of Bursts = 18

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	5	55	1217	0	0	81995
2	2	7	65	1482	1409	0	971588
3	3	16	90	1629	1971	1152	1613054
4	3	17	80	1968	1119	1515	2637449
5	1	15	90	1690	0	0	3172670
6	3	8	90	1607	1403	1815	3575091
7	3	20	55	1847	1246	1151	4042641
8	2	12	55	1646	1629	0	4989844
9	1	8	90	1299	0	0	5366644
10	3	20	60	1375	1178	1931	6414852
11	2	14	90	1193	1786	0	6825180
12	2	19	55	1932	1405	0	7833183
13	1	19	60	1358	0	0	8172510
14	2	10	55	1094	1193	0	9246750
15	2	6	65	1493	1924	0	9512995
16	1	11	100	1849	0	0	10461712
17	3	18	60	1772	1309	1516	10752437
18	2	18	100	1169	1531	0	11779589

Long Pulse Radar Test signal

Waveform Num = 10

Num of Bursts = 14

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	14	100	1210	1026	0	547222
2	3	17	60	1617	1210	1753	1580366
3	1	17	55	1502	0	0	1775479
4	3	10	85	1788	1153	1305	3249016
5	2	11	65	1785	1616	0	3960352
6	2	15	75	1394	1093	0	4838017
7	3	8	65	1125	1960	1246	5526957
8	2	6	80	1995	1957	0	6638190
9	2	7	50	1873	1934	0	7595241
10	2	15	65	1402	1741	0	7826067
11	3	6	80	1878	1800	1371	8851358
12	2	15	50	1085	1306	0	9875751
13	3	12	55	1930	1653	1220	10497074
14	1	19	50	1659	0	0	11675587

Long Pulse Radar Test signal

Waveform Num = 11

Num of Bursts = 11

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	19	85	1142	1241	1469	429432
2	1	14	90	1518	0	0	1134690
3	3	8	100	1603	1509	1469	2983650
4	3	6	60	1786	1751	1927	3405796
5	2	15	95	1605	1443	0	4598433
6	3	15	85	1589	1606	1258	5861386
7	1	15	65	1859	0	0	6556902
8	3	18	60	1300	1839	1206	8007590
9	2	8	100	1555	1530	0	9081792
10	3	11	60	1752	1025	1966	10140802
11	2	6	90	1892	1652	0	11168619

Long Pulse Radar Test signal

Waveform Num = 12

Num of Bursts = 9

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	12	60	1714	1472	0	664924
2	2	16	100	1740	1012	0	1856221
3	1	7	75	1220	0	0	2871543
4	2	12	70	1366	1921	0	5159060
5	2	9	50	1196	1593	0	5658332
6	2	9	85	1193	1942	0	6740336
7	3	15	75	1884	1065	1976	8753546
8	3	12	100	1456	1046	1999	9875531
9	1	10	100	1435	0	0	11606682

Long Pulse Radar Test signal

Waveform Num = 13

Num of Bursts = 17

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	8	70	1645	1670	1740	548470
2	3	10	70	1326	1992	1748	1163989
3	1	8	90	1013	0	0	1577993
4	2	14	70	1368	1992	0	2201161
5	1	10	90	1123	0	0	3347289
6	1	19	95	1169	0	0	3716375
7	2	18	85	1792	1695	0	4297031
8	1	12	55	1240	0	0	5060891
9	2	16	65	1930	1913	0	5718259
10	1	18	75	1482	0	0	6788248
11	3	9	80	1056	1062	1869	7701749
12	2	15	95	1735	1031	0	8305517
13	2	7	65	1453	1606	0	8985680
14	3	17	100	1817	1475	1119	9187860
15	3	10	75	1222	1699	1169	10159678
16	2	10	95	1012	1913	0	10663983
17	1	8	80	1682	0	0	11912205

Long Pulse Radar Test signal

Waveform Num = 14

Num of Bursts = 9

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	20	85	1801	0	0	792457
2	2	9	70	1823	1116	0	2372301
3	2	12	95	1614	1873	0	3321948
4	2	15	70	1969	1722	0	4771035
5	1	20	100	1401	0	0	6108492
6	3	9	65	1082	1748	1966	7810210
7	3	20	100	1052	1825	1329	8389789
8	1	16	60	1141	0	0	9898559
9	3	20	90	1178	1714	1616	11095534

Long Pulse Radar Test signal

Waveform Num = 15

Num of Bursts = 16

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	18	90	1518	1114	0	487223
2	3	9	100	1262	1414	1532	1421728
3	1	12	55	1400	0	0	1813668
4	2	15	65	1368	1743	0	2516208
5	3	14	100	1252	1566	1844	3215181
6	1	15	60	1849	0	0	3839320
7	3	7	65	1735	1230	1261	4912845
8	3	14	80	1420	1444	1625	5257628
9	1	17	85	1954	0	0	6723660
10	3	11	60	1196	1797	1268	7289354
11	3	20	100	1007	1706	1582	7853317
12	3	7	100	1437	1846	1164	8743036
13	1	11	60	1610	0	0	9465085
14	2	18	95	1489	1495	0	10175869
15	1	19	75	1053	0	0	11021302
16	1	9	65	1301	0	0	11726993

Long Pulse Radar Test signal

Waveform Num = 16

Num of Bursts = 10

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	7	75	1645	1533	0	157740
2	3	7	60	1202	1357	1544	2349963
3	3	15	65	1263	1695	1784	2461997
4	2	7	65	1968	1819	0	4511629
5	3	11	60	1722	1573	1819	5537436
6	3	19	55	1615	1075	1582	6102891
7	2	20	100	1850	1710	0	8063522
8	2	7	80	1747	1152	0	8842555
9	2	15	70	1031	1637	0	9931421
10	2	12	85	1921	1096	0	11669694

Long Pulse Radar Test signal

Waveform Num = 17

Num of Bursts = 8

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	10	50	1953	1362	0	1234676
2	1	12	50	1157	0	0	1650737
3	2	8	50	1441	1249	0	3613596
4	2	15	75	1043	1466	0	4604247
5	2	9	95	1499	1276	0	6714470
6	3	7	65	1701	1470	1879	8153564
7	2	5	80	1299	1450	0	9634632
8	3	7	75	1636	1315	1075	11381848

Long Pulse Radar Test signal

Waveform Num = 18

Num of Bursts = 14

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	6	100	1702	1146	0	852797
2	1	11	75	1027	0	0	1009306
3	3	15	50	1890	1819	1084	1768835
4	3	6	95	1173	1502	1245	3009825
5	1	6	60	1867	0	0	4076563
6	2	10	65	1068	1660	0	5134525
7	2	7	65	1372	1031	0	5915593
8	3	10	55	1278	1641	1966	6378718
9	2	14	85	1826	1192	0	7532184
10	2	10	70	1419	1174	0	8516289
11	2	12	100	1823	1348	0	9113665
12	2	17	95	1168	1976	0	10246120
13	3	13	85	1773	1554	1598	10921239
14	1	10	95	1612	0	0	11965238

Long Pulse Radar Test signal

Waveform Num = 19

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	16	75	1231	1120	0	266447
2	1	18	50	1371	0	0	1659313
3	2	10	90	1478	1111	0	2411400
4	2	16	100	1261	1811	0	3539916
5	1	6	65	1152	0	0	4249370
6	1	17	70	1141	0	0	5150574
7	2	9	95	1691	1050	0	6236110
8	3	18	100	1935	1048	1428	7561160
9	1	20	60	1428	0	0	8713006
10	1	10	55	1768	0	0	9042223
11	3	15	85	1012	1913	1981	10153156
12	2	10	90	1777	1858	0	11491805

Long Pulse Radar Test signal

Waveform Num = 20

Num of Bursts = 12

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	2	8	60	1372	1115	0	646819
2	3	17	90	1202	1771	1117	1609925
3	2	6	55	1886	1805	0	2828991
4	3	9	75	1143	1616	1015	3308011
5	1	20	65	1740	0	0	4022364
6	1	7	65	1400	0	0	5840959
7	1	13	95	1424	0	0	6646587
8	1	18	65	1593	0	0	7406795
9	2	13	90	1857	1679	0	8282991
10	3	13	70	1390	1117	1732	9683940
11	3	19	50	1204	1568	1257	10777790
12	2	9	70	1657	1241	0	11953239

Long Pulse Radar Test signal

Waveform Num = 21

Num of Bursts = 16

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	19	65	1836	0	0	718734
2	1	5	65	1253	0	0	903588
3	2	9	55	1803	1089	0	2100575
4	2	8	75	1974	1258	0	2342866
5	2	14	50	1799	1574	0	3512827
6	3	12	100	1761	1074	1899	3989234
7	3	17	70	1814	1162	1337	4518333
8	3	19	55	1593	1158	1280	5362630
9	3	11	70	1368	1714	1040	6302587
10	3	9	75	1692	1378	1450	6768526
11	2	18	95	1684	1053	0	7522613
12	3	16	100	1031	1265	1005	8922294
13	2	12	55	1269	1389	0	9327167
14	1	10	50	1735	0	0	10106782
15	2	19	95	1486	1752	0	10589769
16	2	10	75	1276	1061	0	11642503

Long Pulse Radar Test signal

Waveform Num = 22

Num of Bursts = 15

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	7	100	1471	1847	1314	450903
2	2	11	85	1740	1743	0	1461926
3	2	10	60	1138	1730	0	1753712
4	3	5	70	1360	1065	1058	3146725
5	1	14	100	1231	0	0	3853351
6	1	8	80	1161	0	0	4070316
7	1	6	90	1093	0	0	5034062
8	1	20	80	1724	0	0	6178318
9	3	12	100	1363	1005	1202	6546186
10	3	7	75	1523	1453	1891	7662742
11	2	9	100	1812	1356	0	8747337
12	3	7	80	1617	1145	1328	9125582
13	2	18	95	1541	1462	0	10341392
14	2	16	75	1679	1294	0	10856736
15	2	15	50	1862	1597	0	11985936

Long Pulse Radar Test signal

Waveform Num = 23

Num of Bursts = 8

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	18	65	1831	0	0	1075058
2	1	18	55	1268	0	0	1603636
3	3	13	70	1073	1752	1770	4112219
4	1	12	85	1869	0	0	4927318
5	3	20	95	1059	1806	1320	7049979
6	1	10	90	1289	0	0	7563337
7	2	11	65	1127	1665	0	9457309
8	3	11	95	1560	1469	1462	10512743

Long Pulse Radar Test signal

Waveform Num = 24

Num of Bursts = 18

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	6	85	1608	1323	1223	542102
2	3	10	70	1770	1397	1628	1168029
3	1	20	70	1713	0	0	1689768
4	3	11	70	1080	1712	1695	2203516
5	1	19	75	1048	0	0	3312835
6	3	13	70	1732	1306	1017	3840900
7	1	5	95	1524	0	0	4116621
8	1	5	50	1997	0	0	5030951
9	3	18	70	1719	1770	1543	5917896
10	2	10	95	1333	1250	0	6294847
11	1	9	85	1769	0	0	7234496
12	3	7	75	1162	1431	1531	7748854
13	2	15	55	1254	1036	0	8041075
14	2	9	80	1509	1924	0	8879570
15	2	18	60	1743	1231	0	9500022
16	2	7	70	1859	1737	0	10025755
17	2	11	80	1566	1127	0	10808899
18	1	18	50	1647	0	0	11773995

Long Pulse Radar Test signal

Waveform Num = 25

Num of Bursts = 13

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	19	65	1169	0	0	743441
2	3	8	95	1582	1164	1780	1643366
3	2	6	55	1541	1622	0	2044189
4	2	17	60	1408	1247	0	3259272
5	2	17	65	1297	1619	0	3859290
6	2	20	55	1169	1215	0	5191080
7	3	17	75	1608	1970	1026	5645656
8	1	6	55	1774	0	0	6675649
9	1	14	85	1964	0	0	8209532
10	1	13	60	1627	0	0	8685902
11	3	18	95	1720	1438	1090	10056770
12	2	17	70	1304	1453	0	10427837
13	3	8	80	1567	1129	1249	11909321

Long Pulse Radar Test signal

Waveform Num = 26

Num of Bursts = 17

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	7	80	1798	1743	1493	649414
2	1	9	65	1494	0	0	715464
3	3	5	80	1718	1932	1836	2056055
4	3	19	50	1966	1716	1211	2585399
5	3	5	100	1252	1574	1043	3014302
6	3	16	50	1316	1710	1456	3618478
7	1	9	60	1690	0	0	4445705
8	2	14	75	1170	1025	0	5381830
9	1	8	85	1403	0	0	5986262
10	3	20	90	1002	1661	1639	6550518
11	1	9	65	1647	0	0	7065322
12	1	15	50	1017	0	0	8145015
13	3	5	65	1162	1983	1530	8983261
14	2	6	100	1465	1594	0	9444824
15	3	8	75	1622	1971	1083	10029889
16	2	12	70	1069	1785	0	11277173
17	1	17	100	1772	0	0	11684418

Long Pulse Radar Test signal

Waveform Num = 27

Num of Bursts = 13

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	13	100	1776	0	0	632276
2	1	20	60	1439	0	0	1785032
3	2	9	65	1083	1610	0	2390362
4	3	11	50	1304	1824	1697	2974399
5	3	5	60	1057	1059	1821	4083923
6	2	19	50	1400	1367	0	5035201
7	1	10	65	1287	0	0	6051817
8	3	17	75	1214	1793	1634	6526607
9	3	14	85	1970	1464	1872	7760822
10	1	13	75	1139	0	0	8844583
11	3	20	50	1998	1306	1313	10089326
12	3	17	55	1715	1685	1905	10191592
13	3	10	85	1926	1634	1867	11105654

Long Pulse Radar Test signal

Waveform Num = 28

Num of Bursts = 13

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	20	75	1475	1037	1758	284605
2	3	18	65	1405	1689	1291	1661810
3	1	7	50	1179	0	0	2396911
4	3	14	60	1212	1762	1339	3335026
5	3	19	65	1477	1666	1589	4420273
6	3	7	95	1376	1445	1131	5150093
7	1	11	85	1962	0	0	5968631
8	1	16	100	1339	0	0	7084509
9	3	5	95	1800	1604	1557	7423130
10	1	14	90	1768	0	0	9110469
11	2	16	55	1042	1694	0	9768436
12	3	6	70	1331	1106	1886	10307531
13	2	15	50	1595	1694	0	11610688

Long Pulse Radar Test signal

Waveform Num = 29

Num of Bursts = 18

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	3	6	60	1367	1159	1682	402507
2	3	6	85	1746	1474	1953	970715
3	1	7	60	1061	0	0	1636390
4	1	16	65	1718	0	0	2300049
5	1	14	100	1536	0	0	2985413
6	3	18	60	1542	1125	1248	3793993
7	2	6	60	1551	1110	0	4378934
8	3	19	70	1004	1292	1278	4969741
9	2	6	90	1455	1982	0	5432470
10	3	19	65	1336	1676	1420	6554298
11	3	14	95	1437	1723	1047	6810244
12	1	19	65	1399	0	0	7975176
13	3	7	85	1090	1910	1796	8526508
14	3	8	70	1061	1263	1994	8823469
15	3	16	55	1865	1467	1863	9498891
16	3	16	65	1762	1956	1416	10560134
17	1	6	95	1116	0	0	10677788
18	3	10	75	1806	1726	1149	11508104

Long Pulse Radar Test signal

Waveform Num = 30

Num of Bursts = 13

Burst	Pulses	Chirp (MHz)	Pulse Width (us)	Pulse 1 Pri(us)	Pulse 2 Pri(us)	Pulse 3 Pri(us)	Start Location (us)
1	1	10	75	1264	0	0	889270
2	1	19	65	1408	0	0	1811574
3	2	11	85	1847	1745	0	2687464
4	3	10	80	1614	1579	1383	3051166
5	1	11	70	1334	0	0	4010464
6	2	6	60	1743	1352	0	4916383
7	2	16	100	1019	1910	0	6339100
8	1	14	60	1001	0	0	6830251
9	2	19	65	1644	1017	0	8000836
10	1	16	75	1501	0	0	9110506
11	3	13	75	1994	1241	1494	9401324
12	2	14	75	1016	1422	0	10624486
13	2	7	50	1003	1431	0	11489894

A.4 The Frequency Hopping Radar Pattern

Frequency Hopping Radar Test signal Hopping Frequency number-01			
Trail	Hop Frequency List	Hop Freqency (MHz)	Hop Frequency List	Hop Freqency (MHz)

Trail	Hop Frequency List	Hop Freqency (MHz)	Hop Frequency List	Hop Freqency (MHz)
1	0	5476	50	5340
1	1	5678	51	5264
1	2	5712	52	5516
1	3	5411	53	5560
1	4	5681	54	5374
1	5	5371	55	5522
1	6	5525	56	5583
1	7	5572	57	5363
1	8	5615	58	5369
1	9	5306	59	5669
1	10	5317	60	5271
1	11	5649	61	5469
1	12	5466	62	5538
1	13	5529	63	5720
1	14	5348	64	5258
1	15	5428	65	5450
1	16	5642	66	5724
1	17	5600	67	5645
1	18	5591	68	5420
1	19	5312	69	5370
1	20	5372	70	5454
1	21	5716	71	5628
1	22	5463	72	5323
1	23	5355	73	5305
1	24	5639	74	5423
1	25	5706	75	5717
1	26	5489	76	5512
1	27	5441	77	5484
1	28	5322	78	5487
1	29	5626	79	5457
1	30	5548	80	5360
1	31	5533	81	5553
1	32	5563	82	5333
1	33	5625	83	5366
1	34	5422	84	5655
1	35	5347	85	5279
1	36	5330	86	5704
1	37	5721	87	5719
1	38	5263	88	5540

Frequency Hopping Radar Test signal				
Hopping Frequency number-01				
1	39	5567	89	5301
1	40	5714	90	5299
1	41	5495	91	5402
1	42	5562	92	5315
1	43	5690	93	5394
1	44	5566	94	5485
1	45	5442	95	5270
1	46	5354	96	5616
1	47	5250	97	5365
1	48	5537	98	5508
1	49	5680	99	5632

| Frequency Hopping Radar Test signal | | | | |
| Hopping Frequency number-02 | | | | |
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
2	0	5494	50	5467
2	1	5649	51	5338
2	2	5418	52	5694
2	3	5406	53	5369
2	4	5715	54	5608
2	5	5581	55	5577
2	6	5416	56	5643
2	7	5660	57	5613
2	8	5633	58	5313
2	9	5311	59	5380
2	10	5412	60	5700
2	11	5436	61	5566
2	12	5557	62	5572
2	13	5622	63	5548
2	14	5365	64	5542
2	15	5394	65	5679
2	16	5307	66	5526
2	17	5519	67	5506
2	18	5316	68	5690
2	19	5593	69	5354
2	20	5270	70	5483
2	21	5267	71	5723
2	22	5699	72	5512
2	23	5635	73	5337
2	24	5564	74	5629
2	25	5536	75	5432
2	26	5680	76	5410
2	27	5568	77	5497
2	28	5524	78	5468
2	29	5417	79	5673
2	30	5465	80	5414
2	31	5658	81	5675
2	32	5344	82	5392
2	33	5549	83	5299
2	34	5617	84	5258
2	35	5619	85	5293
2	36	5442	86	5710
2	37	5333	87	5657
2	38	5306	88	5481
2	39	5428	89	5290
2	40	5703	90	5279

Frequency Hopping Radar Test signal Hopping Frequency number-02			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
2	41	5539	91	5662
2	42	5272	92	5429
2	43	5632	93	5355
2	44	5400	94	5342
2	45	5688	95	5576
2	46	5529	96	5329
2	47	5578	97	5550
2	48	5595	98	5655
2	49	5332	99	5623

Frequency Hopping Radar Test signal Hopping Frequency number-03				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
3	0	5345	50	5491
3	1	5372	51	5478
3	2	5415	52	5258
3	3	5625	53	5390
3	4	5475	54	5614
3	5	5410	55	5458
3	6	5314	56	5395
3	7	5386	57	5476
3	8	5691	58	5375
3	9	5450	59	5604
3	10	5459	60	5519
3	11	5311	61	5331
3	12	5405	62	5414
3	13	5253	63	5468
3	14	5723	64	5502
3	15	5585	65	5597
3	16	5416	66	5266
3	17	5388	67	5523
3	18	5270	68	5686
3	19	5530	69	5678
3	20	5255	70	5572
3	21	5467	71	5481
3	22	5371	72	5648
3	23	5496	73	5643
3	24	5524	74	5452
3	25	5700	75	5696
3	26	5588	76	5535
3	27	5520	77	5525
3	28	5446	78	5528
3	29	5651	79	5541
3	30	5326	80	5471
3	31	5556	81	5621
3	32	5301	82	5389
3	33	5348	83	5704
3	34	5374	84	5543
3	35	5279	85	5512
3	36	5356	86	5592
3	37	5252	87	5712
3	38	5324	88	5533
3	39	5321	89	5665
3	40	5332	90	5384

Frequency Hopping Radar Test signal Hopping Frequency number-03				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
3	41	5632	91	5430
3	42	5425	92	5673
3	43	5601	93	5316
3	44	5613	94	5340
3	45	5336	95	5591
3	46	5629	96	5554
3	47	5355	97	5479
3	48	5671	98	5654
3	49	5335	99	5532

Frequency Hopping Radar Test signal Hopping Frequency number-04				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
4	0	5635	50	5452
4	1	5340	51	5644
4	2	5658	52	5576
4	3	5562	53	5713
4	4	5608	54	5458
4	5	5462	55	5572
4	6	5639	56	5688
4	7	5446	57	5456
4	8	5595	58	5443
4	9	5606	59	5604
4	10	5591	60	5651
4	11	5392	61	5551
4	12	5414	62	5295
4	13	5305	63	5311
4	14	5412	64	5695
4	15	5415	65	5719
4	16	5434	66	5646
4	17	5600	67	5530
4	18	5358	68	5602
4	19	5416	69	5397
4	20	5469	70	5621
4	21	5568	71	5431
4	22	5652	72	5343
4	23	5258	73	5547
4	24	5288	74	5706
4	25	5347	75	5413
4	26	5673	76	5550
4	27	5287	77	5674
4	28	5291	78	5509
4	29	5317	79	5386
4	30	5522	80	5581
4	31	5627	81	5260
4	32	5716	82	5269
4	33	5279	83	5613
4	34	5592	84	5623
4	35	5506	85	5534
4	36	5603	86	5498
4	37	5257	87	5301
4	38	5316	88	5432
4	39	5643	89	5669
4	40	5556	90	5359

Frequency Hopping Radar Test signal Hopping Frequency number-04				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
4	41	5488	91	5675
4	42	5354	92	5574
4	43	5357	93	5398
4	44	5676	94	5689
4	45	5422	95	5472
4	46	5569	96	5477
4	47	5409	97	5333
4	48	5648	98	5533
4	49	5564	99	5561

	Frequency Hopping Radar Test signal Hopping Frequency number-05			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
5	0	5650	50	5543
5	1	5579	51	5322
5	2	5596	52	5509
5	3	5590	53	5384
5	4	5423	54	5491
5	5	5402	55	5386
5	6	5340	56	5331
5	7	5430	57	5318
5	8	5620	58	5297
5	9	5303	59	5627
5	10	5381	60	5401
5	11	5447	61	5461
5	12	5486	62	5385
5	13	5625	63	5427
5	14	5529	64	5344
5	15	5500	65	5685
5	16	5329	66	5267
5	17	5320	67	5261
5	18	5251	68	5629
5	19	5495	69	5610
5	20	5252	70	5353
5	21	5659	71	5362
5	22	5453	72	5673
5	23	5482	73	5523
5	24	5383	74	5548
5	25	5409	75	5257
5	26	5553	76	5555
5	27	5563	77	5613
5	28	5290	78	5581
5	29	5695	79	5412
5	30	5263	80	5511
5	31	5634	81	5638
5	32	5483	82	5611
5	33	5336	83	5618
5	34	5410	84	5623
5	35	5394	85	5704
5	36	5708	86	5294
5	37	5317	87	5636
5	38	5431	88	5616
5	39	5465	89	5718
5	40	5457	90	5435

Frequency Hopping Radar Test signal Hopping Frequency number-05				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
5	41	5651	91	5643
5	42	5690	92	5285
5	43	5374	93	5656
5	44	5460	94	5346
5	45	5481	95	5273
5	46	5587	96	5546
5	47	5521	97	5298
5	48	5713	98	5584
5	49	5335	99	5268

Frequency Hopping Radar Test signal Hopping Frequency number-06				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
6	0	5490	50	5290
6	1	5709	51	5450
6	2	5692	52	5660
6	3	5512	53	5449
6	4	5418	54	5649
6	5	5265	55	5603
6	6	5386	56	5666
6	7	5620	57	5374
6	8	5355	58	5592
6	9	5346	59	5548
6	10	5579	60	5322
6	11	5708	61	5282
6	12	5598	62	5404
6	13	5605	63	5684
6	14	5440	64	5409
6	15	5379	65	5263
6	16	5446	66	5361
6	17	5487	67	5637
6	18	5513	68	5568
6	19	5338	69	5340
6	20	5675	70	5437
6	21	5608	71	5584
6	22	5528	72	5554
6	23	5380	73	5284
6	24	5532	74	5551
6	25	5547	75	5459
6	26	5343	76	5578
6	27	5451	77	5543
6	28	5710	78	5335
6	29	5589	79	5527
6	30	5581	80	5610
6	31	5525	81	5413
6	32	5319	82	5301
6	33	5452	83	5522
6	34	5396	84	5643
6	35	5457	85	5383
6	36	5398	86	5658
6	37	5281	87	5580
6	38	5297	88	5359
6	39	5300	89	5645
6	40	5478	90	5429

Frequency Hopping Radar Test signal Hopping Frequency number-06				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
6	41	5331	91	5557
6	42	5431	92	5470
6	43	5609	93	5683
6	44	5443	94	5664
6	45	5428	95	5632
6	46	5315	96	5583
6	47	5416	97	5356
6	48	5690	98	5464
6	49	5274	99	5535

Frequency Hopping Radar Test signal Hopping Frequency number-07				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
7	0	5574	50	5509
7	1	5571	51	5542
7	2	5333	52	5595
7	3	5399	53	5445
7	4	5270	54	5452
7	5	5649	55	5585
7	6	5315	56	5496
7	7	5703	57	5444
7	8	5604	58	5601
7	9	5514	59	5467
7	10	5409	60	5491
7	11	5500	61	5602
7	12	5704	62	5319
7	13	5658	63	5624
7	14	5293	64	5326
7	15	5638	65	5533
7	16	5599	66	5359
7	17	5717	67	5324
7	18	5618	68	5265
7	19	5544	69	5394
7	20	5461	70	5401
7	21	5486	71	5373
7	22	5607	72	5547
7	23	5546	73	5680
7	24	5371	74	5710
7	25	5688	75	5545
7	26	5428	76	5506
7	27	5318	77	5589
7	28	5257	78	5519
7	29	5678	79	5501
7	30	5459	80	5393
7	31	5548	81	5540
7	32	5344	82	5551
7	33	5346	83	5408
7	34	5425	84	5403
7	35	5418	85	5337
7	36	5561	86	5327
7	37	5406	87	5572
7	38	5690	88	5671
7	39	5294	89	5389

Frequency Hopping Radar Test signal Hopping Frequency number-07				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
7	40	5383	90	5481
7	41	5388	91	5469
7	42	5352	92	5303
7	43	5379	93	5479
7	44	5447	94	5685
7	45	5695	95	5302
7	46	5530	96	5495
7	47	5526	97	5716
7	48	5471	98	5474
7	49	5477	99	5278

Frequency Hopping Radar Test signal Hopping Frequency number-08				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
8	0	5721	50	5362
8	1	5347	51	5322
8	2	5469	52	5690
8	3	5482	53	5711
8	4	5394	54	5448
8	5	5666	55	5445
8	6	5541	56	5314
8	7	5279	57	5566
8	8	5589	58	5688
8	9	5678	59	5352
8	10	5309	60	5668
8	11	5317	61	5603
8	12	5289	62	5562
8	13	5707	63	5548
8	14	5558	64	5299
8	15	5398	65	5680
8	16	5527	66	5682
8	17	5328	67	5475
8	18	5323	68	5443
8	19	5449	69	5609
8	20	5633	70	5503
8	21	5339	71	5273
8	22	5300	72	5623
8	23	5361	73	5263
8	24	5526	74	5679
8	25	5353	75	5344
8	26	5584	76	5338
8	27	5675	77	5488
8	28	5406	78	5530
8	29	5560	79	5297
8	30	5683	80	5257
8	31	5432	81	5476
8	32	5332	82	5512
8	33	5618	83	5417
8	34	5389	84	5638
8	35	5422	85	5409
8	36	5467	86	5640
8	37	5327	87	5556
8	38	5595	88	5588
8	39	5667	89	5387
8	40	5545	90	5684

Frequency Hopping Radar Test signal Hopping Frequency number-08				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
8	41	5403	91	5402
8	42	5531	92	5654
8	43	5259	93	5359
8	44	5493	94	5462
8	45	5410	95	5510
8	46	5466	96	5722
8	47	5293	97	5419
8	48	5369	98	5612
8	49	5500	99	5578

Frequency Hopping Radar Test signal Hopping Frequency number-09				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
9	0	5433	50	5476
9	1	5318	51	5251
9	2	5607	52	5724
9	3	5587	53	5684
9	4	5703	54	5615
9	5	5258	55	5391
9	6	5550	56	5576
9	7	5486	57	5412
9	8	5696	58	5317
9	9	5490	59	5477
9	10	5375	60	5526
9	11	5515	61	5698
9	12	5398	62	5372
9	13	5270	63	5462
9	14	5406	64	5430
9	15	5469	65	5517
9	16	5509	66	5429
9	17	5289	67	5420
9	18	5357	68	5707
9	19	5466	69	5579
9	20	5659	70	5621
9	21	5562	71	5378
9	22	5324	72	5700
9	23	5407	73	5348
9	24	5262	74	5455
9	25	5570	75	5439
9	26	5589	76	5479
9	27	5504	77	5536
9	28	5500	78	5661
9	29	5656	79	5692
9	30	5531	80	5563
9	31	5489	81	5483
9	32	5283	82	5572
9	33	5636	83	5673
9	34	5662	84	5540
9	35	5436	85	5269
9	36	5480	86	5613
9	37	5715	87	5267
9	38	5474	88	5384
9	39	5510	89	5645
9	40	5588	90	5548

Frequency Hopping Radar Test signal Hopping Frequency number-09				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
9	41	5399	91	5612
9	42	5393	92	5547
9	43	5678	93	5416
9	44	5475	94	5293
9	45	5339	95	5717
9	46	5346	96	5464
9	47	5310	97	5414
9	48	5441	98	5478
9	49	5419	99	5709

Frequency Hopping Radar Test signal Hopping Frequency number-10				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
10	0	5588	50	5566
10	1	5554	51	5563
10	2	5713	52	5618
10	3	5363	53	5475
10	4	5697	54	5521
10	5	5616	55	5633
10	6	5422	56	5260
10	7	5536	57	5699
10	8	5416	58	5575
10	9	5523	59	5585
10	10	5456	60	5621
10	11	5321	61	5454
10	12	5429	62	5465
10	13	5721	63	5668
10	14	5393	64	5497
10	15	5553	65	5275
10	16	5641	66	5469
10	17	5630	67	5476
10	18	5693	68	5655
10	19	5620	69	5349
10	20	5634	70	5527
10	21	5581	71	5539
10	22	5679	72	5461
10	23	5397	73	5413
10	24	5709	74	5378
10	25	5311	75	5449
10	26	5627	76	5473
10	27	5688	77	5491
10	28	5318	78	5372
10	29	5266	79	5714
10	30	5685	80	5428
10	31	5277	81	5380
10	32	5395	82	5369
10	33	5611	83	5437
10	34	5584	84	5370
10	35	5379	85	5269
10	36	5509	86	5638
10	37	5383	87	5300
10	38	5446	88	5445
10	39	5366	89	5284
10	40	5642	90	5308

Frequency Hopping Radar Test signal Hopping Frequency number-10				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
10	41	5289	91	5296
10	42	5287	92	5460
10	43	5598	93	5651
10	44	5500	94	5402
10	45	5272	95	5406
10	46	5510	96	5612
10	47	5332	97	5326
10	48	5561	98	5344
10	49	5387	99	5358

Frequency Hopping Radar Test signal			
Hopping Frequency number-11			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
11	0	5393	50	5560
11	1	5404	51	5254
11	2	5610	52	5605
11	3	5418	53	5721
11	4	5437	54	5400
11	5	5376	55	5586
11	6	5341	56	5315
11	7	5294	57	5481
11	8	5533	58	5257
11	9	5284	59	5285
11	10	5267	60	5711
11	11	5475	61	5555
11	12	5425	62	5717
11	13	5381	63	5691
11	14	5519	64	5417
11	15	5617	65	5342
11	16	5598	66	5620
11	17	5603	67	5361
11	18	5485	68	5517
11	19	5297	69	5687
11	20	5724	70	5328
11	21	5482	71	5410
11	22	5439	72	5720
11	23	5644	73	5639
11	24	5653	74	5575
11	25	5525	75	5406
11	26	5493	76	5709
11	27	5623	77	5696
11	28	5628	78	5356
11	29	5545	79	5646
11	30	5436	80	5551
11	31	5667	81	5329
11	32	5412	82	5624
11	33	5497	83	5588
11	34	5688	84	5252
11	35	5514	85	5645
11	36	5571	86	5298
11	37	5371	87	5561
11	38	5697	88	5399
11	39	5695	89	5681
11	40	5469	90	5287

Frequency Hopping Radar Test signal Hopping Frequency number-11				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
11	41	5395	91	5299
11	42	5295	92	5334
11	43	5634	93	5512
11	44	5450	94	5387
11	45	5693	95	5572
11	46	5710	96	5541
11	47	5677	97	5510
11	48	5640	98	5534
11	49	5557	99	5309

Frequency Hopping Radar Test signal Hopping Frequency number-12					
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
12	0	5497	50	5342
12	1	5438	51	5262
12	2	5380	52	5553
12	3	5318	53	5370
12	4	5252	54	5436
12	5	5701	55	5334
12	6	5521	56	5459
12	7	5473	57	5325
12	8	5385	58	5668
12	9	5347	59	5550
12	10	5543	60	5589
12	11	5670	61	5363
12	12	5464	62	5317
12	13	5269	63	5298
12	14	5722	64	5420
12	15	5382	65	5488
12	16	5275	66	5264
12	17	5456	67	5610
12	18	5687	68	5284
12	19	5662	69	5419
12	20	5482	70	5554
12	21	5353	71	5524
12	22	5268	72	5577
12	23	5418	73	5653
12	24	5323	74	5660
12	25	5313	75	5609
12	26	5465	76	5398
12	27	5693	77	5290
12	28	5585	78	5449
12	29	5376	79	5480
12	30	5357	80	5266
12	31	5561	81	5572
12	32	5644	82	5691
12	33	5616	83	5596
12	34	5415	84	5336
12	35	5568	85	5416
12	36	5581	86	5666
12	37	5331	87	5720
12	38	5573	88	5350
12	39	5373	89	5261
12	40	5479	90	5314

Frequency Hopping Radar Test signal Hopping Frequency number-12				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
12	41	5413	91	5282
12	42	5522	92	5315
12	43	5552	93	5628
12	44	5486	94	5430
12	45	5669	95	5263
12	46	5423	96	5587
12	47	5675	97	5530
12	48	5698	98	5386
12	49	5296	99	5450

Frequency Hopping Radar Test signal Hopping Frequency number-13				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
13	0	5512	50	5348
13	1	5504	51	5261
13	2	5444	52	5346
13	3	5526	53	5366
13	4	5560	54	5548
13	5	5460	55	5664
13	6	5535	56	5359
13	7	5543	57	5613
13	8	5260	58	5719
13	9	5520	59	5377
13	10	5685	60	5545
13	11	5496	61	5522
13	12	5534	62	5358
13	13	5365	63	5638
13	14	5720	64	5668
13	15	5320	65	5466
13	16	5268	66	5450
13	17	5288	67	5279
13	18	5373	68	5362
13	19	5524	69	5711
13	20	5618	70	5353
13	21	5330	71	5607
13	22	5472	72	5487
13	23	5600	73	5632
13	24	5666	74	5343
13	25	5705	75	5273
13	26	5447	76	5458
13	27	5532	77	5282
13	28	5332	78	5612
13	29	5305	79	5334
13	30	5428	80	5347
13	31	5349	81	5263
13	32	5312	82	5674
13	33	5603	83	5519
13	34	5619	84	5439
13	35	5482	85	5318
13	36	5281	86	5558
13	37	5315	87	5511
13	38	5381	88	5697
13	39	5557	89	5269

Frequency Hopping Radar Test signal Hopping Frequency number-13				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
13	40	5616	90	5507
13	41	5576	91	5307
13	42	5463	92	5634
13	43	5409	93	5630
13	44	5571	94	5361
13	45	5495	95	5615
13	46	5378	96	5508
13	47	5696	97	5681
13	48	5684	98	5486
13	49	5290	99	5316

Frequency Hopping Radar Test signal Hopping Frequency number-14				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
14	0	5473	50	5660
14	1	5709	51	5708
14	2	5492	52	5404
14	3	5375	53	5328
14	4	5349	54	5256
14	5	5293	55	5398
14	6	5269	56	5670
14	7	5451	57	5541
14	8	5658	58	5281
14	9	5380	59	5499
14	10	5717	60	5564
14	11	5467	61	5462
14	12	5668	62	5535
14	13	5382	63	5324
14	14	5713	64	5438
14	15	5655	65	5702
14	16	5357	66	5667
14	17	5465	67	5627
14	18	5665	68	5618
14	19	5677	69	5577
14	20	5634	70	5387
14	21	5401	71	5510
14	22	5312	72	5509
14	23	5372	73	5619
14	24	5334	74	5412
14	25	5385	75	5591
14	26	5284	76	5320
14	27	5418	77	5383
14	28	5589	78	5399
14	29	5479	79	5688
14	30	5362	80	5508
14	31	5681	81	5605
14	32	5347	82	5556
14	33	5402	83	5642
14	34	5411	84	5466
14	35	5290	85	5306
14	36	5615	86	5722
14	37	5429	87	5295
14	38	5644	88	5419
14	39	5572	89	5453
14	40	5641	90	5477

Frequency Hopping Radar Test signal Hopping Frequency number-14				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
14	41	5265	91	5471
14	42	5363	92	5631
14	43	5445	93	5673
14	44	5576	94	5318
14	45	5562	95	5645
14	46	5485	96	5608
14	47	5517	97	5512
14	48	5520	98	5687
14	49	5529	99	5366

Frequency Hopping Radar Test signal Hopping Frequency number-15			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
15	0	5481	50	5367
15	1	5387	51	5576
15	2	5411	52	5469
15	3	5496	53	5393
15	4	5317	54	5352
15	5	5596	55	5513
15	6	5686	56	5330
15	7	5492	57	5332
15	8	5373	58	5311
15	9	5659	59	5719
15	10	5418	60	5436
15	11	5334	61	5309
15	12	5528	62	5250
15	13	5431	63	5284
15	14	5627	64	5541
15	15	5509	65	5462
15	16	5252	66	5446
15	17	5603	67	5551
15	18	5468	68	5466
15	19	5382	69	5360
15	20	5543	70	5560
15	21	5297	71	5276
15	22	5397	72	5280
15	23	5344	73	5386
15	24	5363	74	5598
15	25	5672	75	5398
15	26	5696	76	5392
15	27	5506	77	5288
15	28	5629	78	5448
15	29	5693	79	5564
15	30	5679	80	5649
15	31	5531	81	5581
15	32	5489	82	5622
15	33	5384	83	5415
15	34	5533	84	5518
15	35	5579	85	5704
15	36	5671	86	5380
15	37	5479	87	5634
15	38	5661	88	5536
15	39	5359	89	5268
15	40	5706	90	5271

Frequency Hopping Radar Test signal Hopping Frequency number-15				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
15	41	5588	91	5526
15	42	5682	92	5584
15	43	5676	93	5654
15	44	5452	94	5465
15	45	5267	95	5286
15	46	5301	96	5586
15	47	5472	97	5442
15	48	5461	98	5491
15	49	5341	99	5484

Frequency Hopping Radar Test signal Hopping Frequency number-16				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
16	0	5331	50	5572
16	1	5325	51	5508
16	2	5314	52	5664
16	3	5300	53	5707
16	4	5336	54	5511
16	5	5561	55	5411
16	6	5619	56	5365
16	7	5280	57	5472
16	8	5353	58	5455
16	9	5720	59	5680
16	10	5498	60	5637
16	11	5290	61	5342
16	12	5399	62	5335
16	13	5435	63	5710
16	14	5370	64	5688
16	15	5326	65	5285
16	16	5548	66	5684
16	17	5708	67	5373
16	18	5650	68	5704
16	19	5456	69	5441
16	20	5501	70	5697
16	21	5254	71	5693
16	22	5533	72	5638
16	23	5308	73	5715
16	24	5691	74	5585
16	25	5581	75	5496
16	26	5534	76	5607
16	27	5264	77	5453
16	28	5397	78	5646
16	29	5573	79	5418
16	30	5327	80	5422
16	31	5271	81	5403
16	32	5423	82	5482
16	33	5250	83	5319
16	34	5395	84	5405
16	35	5515	85	5343
16	36	5252	86	5614
16	37	5659	87	5527
16	38	5351	88	5263
16	39	5383	89	5358

Frequency Hopping Radar Test signal Hopping Frequency number-16				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
16	40	5635	90	5519
16	41	5448	91	5663
16	42	5521	92	5689
16	43	5267	93	5458
16	44	5718	94	5432
16	45	5257	95	5634
16	46	5255	96	5437
16	47	5610	97	5360
16	48	5580	98	5674
16	49	5481	99	5647

Frequency Hopping Radar Test signal Hopping Frequency number-17			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
17	0	5561	50	5519
17	1	5358	51	5281
17	2	5463	52	5568
17	3	5538	53	5699
17	4	5713	54	5469
17	5	5669	55	5571
17	6	5265	56	5652
17	7	5313	57	5405
17	8	5610	58	5650
17	9	5432	59	5429
17	10	5414	60	5691
17	11	5680	61	5509
17	12	5660	62	5273
17	13	5274	63	5355
17	14	5328	64	5693
17	15	5287	65	5307
17	16	5501	66	5712
17	17	5465	67	5364
17	18	5626	68	5672
17	19	5510	69	5284
17	20	5288	70	5411
17	21	5393	71	5531
17	22	5439	72	5703
17	23	5613	73	5304
17	24	5344	74	5593
17	25	5673	75	5471
17	26	5425	76	5676
17	27	5258	77	5688
17	28	5585	78	5305
17	29	5377	79	5722
17	30	5434	80	5508
17	31	5558	81	5534
17	32	5586	82	5532
17	33	5539	83	5562
17	34	5403	84	5297
17	35	5272	85	5385
17	36	5629	86	5656
17	37	5336	87	5512
17	38	5423	88	5602
17	39	5339	89	5477
17	40	5518	90	5588

Frequency Hopping Radar Test signal Hopping Frequency number-17				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
17	41	5515	91	5454
17	42	5702	92	5500
17	43	5262	93	5621
17	44	5437	94	5698
17	45	5517	95	5662
17	46	5697	96	5356
17	47	5598	97	5300
17	48	5520	98	5659
17	49	5581	99	5293

Frequency Hopping Radar Test signal Hopping Frequency number-18				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
18	0	5572	50	5466
18	1	5499	51	5344
18	2	5327	52	5537
18	3	5503	53	5465
18	4	5405	54	5355
18	5	5448	55	5631
18	6	5255	56	5321
18	7	5334	57	5685
18	8	5492	58	5414
18	9	5559	59	5463
18	10	5555	60	5676
18	11	5254	61	5304
18	12	5380	62	5632
18	13	5485	63	5700
18	14	5484	64	5343
18	15	5356	65	5566
18	16	5363	66	5313
18	17	5488	67	5470
18	18	5601	68	5564
18	19	5345	69	5687
18	20	5433	70	5561
18	21	5376	71	5675
18	22	5395	72	5337
18	23	5474	73	5668
18	24	5535	74	5435
18	25	5580	75	5504
18	26	5458	76	5282
18	27	5544	77	5600
18	28	5409	78	5326
18	29	5322	79	5625
18	30	5585	80	5502
18	31	5527	81	5353
18	32	5588	82	5633
18	33	5250	83	5300
18	34	5393	84	5650
18	35	5701	85	5373
18	36	5276	86	5426
18	37	5657	87	5403
18	38	5436	88	5399
18	39	5406	89	5317
18	40	5324	90	5360

Frequency Hopping Radar Test signal Hopping Frequency number-18				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
18	41	5515	91	5602
18	42	5525	92	5715
18	43	5281	93	5673
18	44	5714	94	5691
18	45	5372	95	5332
18	46	5294	96	5704
18	47	5278	97	5517
18	48	5443	98	5551
18	49	5459	99	5605

Frequency Hopping Radar Test signal Hopping Frequency number-19				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
19	0	5453	50	5574
19	1	5462	51	5619
19	2	5644	52	5268
19	3	5439	53	5393
19	4	5557	54	5273
19	5	5607	55	5458
19	6	5291	56	5470
19	7	5567	57	5629
19	8	5403	58	5466
19	9	5558	59	5361
19	10	5688	60	5352
19	11	5281	61	5549
19	12	5386	62	5381
19	13	5543	63	5704
19	14	5255	64	5455
19	15	5593	65	5437
19	16	5599	66	5279
19	17	5323	67	5329
19	18	5546	68	5525
19	19	5333	69	5263
19	20	5554	70	5503
19	21	5517	71	5285
19	22	5377	72	5617
19	23	5689	73	5340
19	24	5527	74	5498
19	25	5591	75	5356
19	26	5718	76	5374
19	27	5534	77	5521
19	28	5589	78	5576
19	29	5258	79	5339
19	30	5473	80	5346
19	31	5581	81	5544
19	32	5545	82	5590
19	33	5274	83	5391
19	34	5270	84	5367
19	35	5536	85	5491
19	36	5300	86	5668
19	37	5680	87	5421
19	38	5265	88	5429
19	39	5714	89	5679

Frequency Hopping Radar Test signal Hopping Frequency number-19				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
19	40	5506	90	5325
19	41	5384	91	5409
19	42	5297	92	5369
19	43	5303	93	5624
19	44	5651	94	5616
19	45	5642	95	5354
19	46	5531	96	5613
19	47	5296	97	5577
19	48	5597	98	5551
19	49	5422	99	5712

Frequency Hopping Radar Test signal Hopping Frequency number-20				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
20	0	5582	50	5376
20	1	5301	51	5598
20	2	5722	52	5449
20	3	5322	53	5577
20	4	5637	54	5583
20	5	5483	55	5278
20	6	5389	56	5365
20	7	5659	57	5291
20	8	5549	58	5525
20	9	5293	59	5586
20	10	5563	60	5421
20	11	5282	61	5687
20	12	5701	62	5356
20	13	5604	63	5266
20	14	5336	64	5621
20	15	5413	65	5285
20	16	5456	66	5268
20	17	5697	67	5714
20	18	5284	68	5553
20	19	5337	69	5684
20	20	5651	70	5440
20	21	5374	71	5273
20	22	5459	72	5719
20	23	5592	73	5431
20	24	5548	74	5503
20	25	5532	75	5710
20	26	5335	76	5650
20	27	5647	77	5403
20	28	5258	78	5407
20	29	5359	79	5304
20	30	5485	80	5312
20	31	5289	81	5576
20	32	5529	82	5723
20	33	5531	83	5666
20	34	5390	84	5414
20	35	5288	85	5330
20	36	5295	86	5715
20	37	5624	87	5460
20	38	5695	88	5260
20	39	5279	89	5652
20	40	5267	90	5362

Frequency Hopping Radar Test signal Hopping Frequency number-20			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
20	41	5405	91	5410
20	42	5338	92	5484
20	43	5555	93	5610
20	44	5349	94	5313
20	45	5453	95	5543
20	46	5446	96	5386
20	47	5614	97	5672
20	48	5670	98	5558
20	49	5425	99	5696

Frequency Hopping Radar Test signal Hopping Frequency number-21				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
21	0	5380	50	5374
21	1	5473	51	5667
21	2	5288	52	5608
21	3	5267	53	5454
21	4	5467	54	5515
21	5	5446	55	5252
21	6	5268	56	5703
21	7	5512	57	5665
21	8	5273	58	5700
21	9	5395	59	5455
21	10	5503	60	5698
21	11	5519	61	5687
21	12	5334	62	5337
21	13	5386	63	5317
21	14	5686	64	5475
21	15	5615	65	5287
21	16	5435	66	5347
21	17	5356	67	5324
21	18	5619	68	5339
21	19	5719	69	5449
21	20	5511	70	5437
21	21	5456	71	5639
21	22	5597	72	5668
21	23	5371	73	5483
21	24	5595	74	5679
21	25	5261	75	5453
21	26	5510	76	5382
21	27	5600	77	5302
21	28	5717	78	5713
21	29	5553	79	5360
21	30	5264	80	5695
21	31	5258	81	5690
21	32	5402	82	5422
21	33	5576	83	5646
21	34	5498	84	5410
21	35	5316	85	5428
21	36	5675	86	5670
21	37	5575	87	5654
21	38	5326	88	5655
21	39	5684	89	5540

Frequency Hopping Radar Test signal Hopping Frequency number-21				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
21	40	5522	90	5426
21	41	5714	91	5398
21	42	5567	92	5568
21	43	5404	93	5716
21	44	5581	94	5722
21	45	5397	95	5661
21	46	5379	96	5378
21	47	5429	97	5513
21	48	5683	98	5490
21	49	5508	99	5536

Frequency Hopping Radar Test signal Hopping Frequency number-22				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
22	0	5417	50	5351
22	1	5275	51	5451
22	2	5358	52	5435
22	3	5424	53	5271
22	4	5669	54	5698
22	5	5713	55	5391
22	6	5416	56	5318
22	7	5457	57	5537
22	8	5418	58	5547
22	9	5627	59	5446
22	10	5402	60	5252
22	11	5327	61	5505
22	12	5263	62	5632
22	13	5556	63	5287
22	14	5282	64	5501
22	15	5683	65	5685
22	16	5392	66	5365
22	17	5426	67	5319
22	18	5601	68	5606
22	19	5399	69	5545
22	20	5477	70	5610
22	21	5575	71	5403
22	22	5321	72	5474
22	23	5613	73	5583
22	24	5306	74	5374
22	25	5622	75	5656
22	26	5592	76	5352
22	27	5695	77	5255
22	28	5629	78	5700
22	29	5440	79	5646
22	30	5360	80	5487
22	31	5340	81	5334
22	32	5511	82	5434
22	33	5483	83	5620
22	34	5323	84	5582
22	35	5660	85	5302
22	36	5719	86	5330
22	37	5367	87	5633
22	38	5279	88	5488
22	39	5643	89	5478

Frequency Hopping Radar Test signal Hopping Frequency number-22				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
22	40	5383	90	5439
22	41	5396	91	5681
22	42	5684	92	5675
22	43	5404	93	5510
22	44	5343	94	5370
22	45	5475	95	5449
22	46	5373	96	5588
22	47	5314	97	5618
22	48	5297	98	5591
22	49	5368	99	5266

Frequency Hopping Radar Test signal Hopping Frequency number-23			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)

Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
23	0	5304	50	5539
23	1	5275	51	5446
23	2	5677	52	5380
23	3	5659	53	5480
23	4	5489	54	5479
23	5	5340	55	5378
23	6	5401	56	5631
23	7	5444	57	5541
23	8	5508	58	5448
23	9	5451	59	5514
23	10	5482	60	5256
23	11	5494	61	5707
23	12	5273	62	5422
23	13	5396	63	5353
23	14	5488	64	5499
23	15	5565	65	5438
23	16	5649	66	5609
23	17	5427	67	5328
23	18	5286	68	5630
23	19	5492	69	5253
23	20	5672	70	5578
23	21	5559	71	5306
23	22	5503	72	5259
23	23	5390	73	5688
23	24	5583	74	5270
23	25	5675	75	5637
23	26	5664	76	5552
23	27	5287	77	5326
23	28	5554	78	5269
23	29	5497	79	5594
23	30	5345	80	5512
23	31	5313	81	5501
23	32	5297	82	5474
23	33	5420	83	5699
23	34	5346	84	5405
23	35	5263	85	5543
23	36	5663	86	5351
23	37	5434	87	5392
23	38	5628	88	5625
23	39	5303	89	5547

Frequency Hopping Radar Test signal Hopping Frequency number-23			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
23	40	5520	90	5505
23	41	5299	91	5650
23	42	5419	92	5600
23	43	5458	93	5490
23	44	5668	94	5535
23	45	5315	95	5493
23	46	5491	96	5454
23	47	5525	97	5320
23	48	5604	98	5298
23	49	5610	99	5580

Frequency Hopping Radar Test signal Hopping Frequency number-24			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
24	0	5385	50	5263
24	1	5715	51	5646
24	2	5300	52	5277
24	3	5452	53	5615
24	4	5374	54	5527
24	5	5414	55	5637
24	6	5576	56	5454
24	7	5251	57	5674
24	8	5447	58	5264
24	9	5630	59	5662
24	10	5439	60	5392
24	11	5620	61	5370
24	12	5588	62	5442
24	13	5336	63	5460
24	14	5396	64	5260
24	15	5572	65	5624
24	16	5417	66	5548
24	17	5525	67	5312
24	18	5425	68	5357
24	19	5708	69	5644
24	20	5636	70	5606
24	21	5494	71	5520
24	22	5574	72	5625
24	23	5497	73	5382
24	24	5453	74	5696
24	25	5558	75	5595
24	26	5575	76	5419
24	27	5284	77	5420
24	28	5506	78	5394
24	29	5536	79	5267
24	30	5594	80	5318
24	31	5398	81	5335
24	32	5308	82	5554
24	33	5524	83	5428
24	34	5423	84	5530
24	35	5675	85	5269
24	36	5310	86	5296
24	37	5714	87	5545
24	38	5645	88	5621
24	39	5301	89	5616

Frequency Hopping Radar Test signal Hopping Frequency number-24			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
24	40	5570	90	5628
24	41	5322	91	5455
24	42	5291	92	5265
24	43	5311	93	5655
24	44	5316	94	5586
24	45	5286	95	5592
24	46	5671	96	5622
24	47	5384	97	5539
24	48	5458	98	5353
24	49	5283	99	5366

Frequency Hopping Radar Test signal Hopping Frequency number-25				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
25	0	5674	50	5591
25	1	5401	51	5708
25	2	5546	52	5416
25	3	5643	53	5520
25	4	5623	54	5695
25	5	5260	55	5720
25	6	5287	56	5680
25	7	5344	57	5673
25	8	5414	58	5568
25	9	5685	59	5621
25	10	5668	60	5652
25	11	5555	61	5716
25	12	5324	62	5440
25	13	5657	63	5516
25	14	5521	64	5628
25	15	5441	65	5283
25	16	5514	66	5691
25	17	5370	67	5322
25	18	5306	68	5706
25	19	5420	69	5439
25	20	5714	70	5302
25	21	5485	71	5614
25	22	5682	72	5575
25	23	5654	73	5610
25	24	5346	74	5582
25	25	5376	75	5451
25	26	5515	76	5618
25	27	5561	77	5692
25	28	5358	78	5461
25	29	5677	79	5435
25	30	5596	80	5469
25	31	5273	81	5270
25	32	5711	82	5634
25	33	5444	83	5710
25	34	5518	84	5312
25	35	5353	85	5712
25	36	5697	86	5393
25	37	5558	87	5670
25	38	5408	88	5452
25	39	5686	89	5543

Frequency Hopping Radar Test signal				
Hopping Frequency number-25				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
25	40	5540	90	5334
25	41	5265	91	5313
25	42	5499	92	5375
25	43	5352	93	5290
25	44	5519	94	5377
25	45	5442	95	5430
25	46	5538	96	5341
25	47	5551	97	5482
25	48	5345	98	5552
25	49	5597	99	5475

Frequency Hopping Radar Test signal			
Hopping Frequency number-26			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
26	0	5352	50	5424
26	1	5489	51	5678
26	2	5625	52	5267
26	3	5688	53	5420
26	4	5319	54	5585
26	5	5547	55	5544
26	6	5291	56	5442
26	7	5307	57	5692
26	8	5611	58	5435
26	9	5579	59	5369
26	10	5417	60	5485
26	11	5252	61	5653
26	12	5363	62	5600
26	13	5554	63	5724
26	14	5388	64	5556
26	15	5375	65	5590
26	16	5481	66	5508
26	17	5698	67	5536
26	18	5366	68	5474
26	19	5345	69	5560
26	20	5303	70	5648
26	21	5457	71	5305
26	22	5623	72	5459
26	23	5574	73	5386
26	24	5636	74	5360
26	25	5512	75	5646
26	26	5264	76	5423
26	27	5355	77	5385
26	28	5576	78	5595
26	29	5469	79	5447
26	30	5670	80	5493
26	31	5262	81	5451
26	32	5349	82	5594
26	33	5378	83	5676
26	34	5534	84	5506
26	35	5276	85	5716
26	36	5425	86	5644
26	37	5682	87	5374
26	38	5368	88	5665
26	39	5509	89	5503

Frequency Hopping Radar Test signal Hopping Frequency number-26				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
26	40	5419	90	5376
26	41	5513	91	5526
26	42	5413	92	5593
26	43	5300	93	5614
26	44	5362	94	5299
26	45	5689	95	5340
26	46	5273	96	5632
26	47	5433	97	5294
26	48	5561	98	5364
26	49	5704	99	5496

Frequency Hopping Radar Test signal Hopping Frequency number-27				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
27	0	5461	50	5661
27	1	5470	51	5438
27	2	5615	52	5646
27	3	5592	53	5583
27	4	5293	54	5560
27	5	5280	55	5286
27	6	5365	56	5330
27	7	5464	57	5426
27	8	5616	58	5703
27	9	5392	59	5339
27	10	5701	60	5682
27	11	5524	61	5617
27	12	5407	62	5406
27	13	5459	63	5413
27	14	5648	64	5550
27	15	5699	65	5263
27	16	5500	66	5294
27	17	5443	67	5436
27	18	5463	68	5540
27	19	5670	69	5455
27	20	5556	70	5692
27	21	5417	71	5408
27	22	5607	72	5530
27	23	5457	73	5333
27	24	5378	74	5348
27	25	5325	75	5593
27	26	5525	76	5714
27	27	5374	77	5574
27	28	5366	78	5492
27	29	5335	79	5290
27	30	5421	80	5494
27	31	5329	81	5576
27	32	5595	82	5624
27	33	5528	83	5356
27	34	5351	84	5344
27	35	5680	85	5340
27	36	5316	86	5377
27	37	5445	87	5627
27	38	5383	88	5475
27	39	5460	89	5273
27	40	5361	90	5354

Frequency Hopping Radar Test signal				
Hopping Frequency number-27				
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
27	41	5604	91	5256
27	42	5587	92	5425
27	43	5644	93	5326
27	44	5561	94	5446
27	45	5605	95	5487
27	46	5309	96	5296
27	47	5659	97	5452
27	48	5672	98	5439
27	49	5640	99	5502

| Frequency Hopping Radar Test signal | | | | |
| Hopping Frequency number-28 | | | | |
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
28	0	5598	50	5488
28	1	5269	51	5342
28	2	5688	52	5261
28	3	5639	53	5606
28	4	5322	54	5669
28	5	5708	55	5698
28	6	5557	56	5570
28	7	5634	57	5469
28	8	5496	58	5299
28	9	5391	59	5329
28	10	5699	60	5339
28	11	5530	61	5277
28	12	5720	62	5591
28	13	5337	63	5559
28	14	5436	64	5578
28	15	5620	65	5451
28	16	5367	66	5707
28	17	5694	67	5349
28	18	5533	68	5645
28	19	5632	69	5280
28	20	5362	70	5487
28	21	5603	71	5713
28	22	5575	72	5675
28	23	5321	73	5690
28	24	5379	74	5485
28	25	5290	75	5284
28	26	5271	76	5590
28	27	5344	77	5680
28	28	5386	78	5301
28	29	5562	79	5543
28	30	5668	80	5315
28	31	5345	81	5358
28	32	5319	82	5336
28	33	5724	83	5423
28	34	5498	84	5413
28	35	5581	85	5717
28	36	5607	86	5516
28	37	5706	87	5251
28	38	5636	88	5425
28	39	5474	89	5411
28	40	5676	90	5635

Frequency Hopping Radar Test signal Hopping Frequency number-28			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
28	41	5371	91	5275
28	42	5415	92	5615
28	43	5601	93	5468
28	44	5437	94	5422
28	45	5714	95	5370
28	46	5353	96	5448
28	47	5626	97	5297
28	48	5445	98	5375
28	49	5549	99	5312

Frequency Hopping Radar Test signal			
Hopping Frequency number-29			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
29	0	5253	50	5449
29	1	5369	51	5447
29	2	5589	52	5377
29	3	5373	53	5654
29	4	5402	54	5278
29	5	5258	55	5497
29	6	5366	56	5324
29	7	5503	57	5329
29	8	5336	58	5687
29	9	5480	59	5476
29	10	5304	60	5596
29	11	5581	61	5438
29	12	5301	62	5334
29	13	5630	63	5431
29	14	5352	64	5617
29	15	5536	65	5362
29	16	5578	66	5390
29	17	5540	67	5552
29	18	5414	68	5351
29	19	5365	69	5254
29	20	5325	70	5693
29	21	5493	71	5343
29	22	5573	72	5375
29	23	5640	73	5306
29	24	5691	74	5286
29	25	5560	75	5708
29	26	5359	76	5599
29	27	5484	77	5676
29	28	5707	78	5722
29	29	5610	79	5387
29	30	5312	80	5282
29	31	5509	81	5561
29	32	5391	82	5425
29	33	5499	83	5272
29	34	5458	84	5300
29	35	5551	85	5685
29	36	5564	86	5614
29	37	5479	87	5525
29	38	5612	88	5527
29	39	5412	89	5392
29	40	5554	90	5541

Frequency Hopping Radar Test signal Hopping Frequency number-29			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
29	41	5393	91	5675
29	42	5409	92	5415
29	43	5652	93	5514
29	44	5535	94	5318
29	45	5421	95	5473
29	46	5695	96	5411
29	47	5332	97	5331
29	48	5283	98	5383
29	49	5701	99	5657

	Hopping Frequency number-30			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
30	0	5307	50	5250
30	1	5618	51	5698
30	2	5670	52	5675
30	3	5315	53	5286
30	4	5521	54	5717
30	5	5724	55	5438
30	6	5391	56	5702
30	7	5291	57	5353
30	8	5466	58	5622
30	9	5541	59	5658
30	10	5480	60	5346
30	11	5295	61	5558
30	12	5580	62	5516
30	13	5635	63	5267
30	14	5564	64	5497
30	15	5664	65	5494
30	16	5625	66	5593
30	17	5306	67	5411
30	18	5536	68	5682
30	19	5574	69	5410
30	20	5412	70	5576
30	21	5663	71	5691
30	22	5379	72	5498
30	23	5628	73	5679
30	24	5477	74	5350
30	25	5584	75	5667
30	26	5535	76	5256
30	27	5660	77	5626
30	28	5369	78	5491
30	29	5668	79	5504
30	30	5684	80	5280
30	31	5427	81	5310
30	32	5258	82	5468
30	33	5289	83	5672
30	34	5637	84	5444
30	35	5380	85	5553
30	36	5377	86	5609
30	37	5600	87	5539
30	38	5555	88	5428
30	39	5557	89	5723
30	40	5401	90	5579
30	41	5531	91	5632

	Hopping Frequency number-30			
Trail	Hop Frequency List	Hop Frequency (MHz)	Hop Frequency List	Hop Frequency (MHz)
30	42	5656	92	5657
30	43	5595	93	5706
30	44	5457	94	5611
30	45	5462	95	5630
30	46	5517	96	5407
30	47	5512	97	5333
30	48	5530	98	5271
30	49	5368	99	5317

Appendix B: Test equipment list

Equipment	Brand	Model No.
Horn Antenna	SCHWARZBECK	BBHA 9120 D
Horn Antenna	EMCO	3115
Controller	HDGmbH	CM 100
Antenna Tower	HDGmbH	MA 2400
LISN	Rohde & Schwarz	ESH3-Z5
Temperature Humidity Test Chamber	Juror	TR-4010
INDUSTRIAL COMPUTER	ADVANGTECH	610H
Spectrum Analyzer	Agilent	3Hz - 26.5GHz
Radar waveform simulator software (Pulse Building)	Agilent	N/A
ESG Vector Signal Generator	Agilent	250kHz - 6GHz

Note: 1. The above equipments are within the valid calibration period.
2. The test antennas (receiving antenna) are calibration per 3 years.
3. The video bandwidth of the power meter and sensor can be up to 65 MHz.

Measurement Uncertainty:
Measurement uncertainty was calculated in accordance with TR 100 028-1.

Parameter	Uncertainty
Radiated Emission	±5.056 dB
Conducted Emission	±2.786 dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95 % confidence level using a coverage factor of k=2.