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DFS TEST REPORT

REPORT NO.: RF980406H01B

MODEL NO.: AP-7131N

RECEIVED: Sep. 18, 2009

TESTED: Sep. 18 to 28, 2009

ISSUED: Oct. 06, 2009

APPLICANT: Motorola Inc.

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ISSUED BY: Bureau Veritas Consumer Products Services
(H.K.) Ltd., Taoyuan Branch Hsin Chu
Laboratory

TEST LOCATION: No. 81-1, Lu Liao Keng, 9th Ling, Wu Lung
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1. LAB DECLARATION

PRODUCT: 11n Access-Point
MODEL: AP-7131N
BRAND: Motorola
APPLICANT: Motorola Inc.
TEST SAMPLE: R&D SAMPLE
TESTED: Sep. 18 to 28, 2009
STANDARDS: **FCC Part 15, Subpart E (Section 15.407)**
FCC 06-96

The above equipment (Model: AP-7131N) has been tested by **Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory**, and found compliance with the requirement of the above standards. The test record, data evaluation & Equipment Under Test (EUT) configurations represented herein are true and accurate accounts of the measurements of the sample's EMC characteristics under the conditions specified in this report.

PREPARED BY : Midoli Peng , **DATE:** Oct. 06, 2009
(Midoli Peng, Specialist)

TECHNICAL ACCEPTANCE : Hank Chung , **DATE:** Oct. 06, 2009
Responsible for RF (Hank Chung, Deputy Manager)

APPROVED BY : May Chen , **DATE:** Oct. 06, 2009
(May Chen, Deputy Manager)



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2. EUT INFORMATION

2.1 OPERATING FREQUENCY BANDS AND MODE OF EUT

Table 1: Operating frequency bands and mode of EUT.

EUT	Operational Mode	Operating Frequency Range	
		5250~5350MHz	5470~5725MHz
Radio 2	Master	✓	✓
Radio 3	Client without radar detection and ad hoc function	✓	✓

2.2 EUT SOFTWARE AND FIRMWARE VERSION

Table 2: The EUT software/firmware version.

No.	Product	Model No.	Software/Firmware Version
1	11n Access-Point	AP-7131N	4.0.0.0-036D

2.3 DESCRIPTION OF AVAILABLE ANTENNAS TO THE EUT

Table 3: Antenna list.

Ant.	Model	Antenna Type	Frequency range (MHz to MHz)	Gain (dBi)	Cable Loss (dB)	Net Gain (dB)
3	ML-2452-APA2-01	Dipole	5150-5850	4	N/A	4
4	ML-2452-PTA2M3X3-1	Embedded	4900-5990	2	N/A	2
5	ML-5299-WPNA1-01R	Panel	5150-5875	14.2	1.2	13
7	ML-5299-HPA1-01R	Dipole	5150-5875	5.9	0.84	5.06
8	ML-2452-PTA3M3-036	Patch	4900-5990	7	1.97	5.03
9	ML-2452-APA6J-01	Dipole	4900-5990	band 2: -3.38 band 3: -2.84	N/A	band 2: -3.38 band 3: -2.84
10	ML-2452-PNL9M3-036	Panel	5150-5875	10.7	N/A	10.7
11	ML-5299-BYGA15-012	YAGI	4900-5800	14.5	N/A	14.5
12	M25.90002.S01	Dipole	5150-5850	4.06	N/A	4.06



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2.4 EUT MAXIMUM AND MINIMUM CONDUCTED POWER

Table 4: The measured conducted output power.

Radio 2

802.11a

Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
3	5250~5350MHz	16.575	45.447	4.000	2.512
3	5470~5725MHz	16.344	43.097	4.000	2.512
4	5250~5350MHz	16.575	45.447	4.000	2.512
4	5470~5725MHz	16.344	43.097	4.000	2.512
5	5250~5350MHz	14.418	27.655	4.000	2.512
5	5470~5725MHz	14.600	28.839	4.000	2.512
7	5250~5350MHz	16.575	45.447	4.000	2.512
7	5470~5725MHz	16.344	43.097	4.000	2.512
8	5250~5350MHz	16.575	45.447	4.000	2.512
8	5470~5725MHz	16.344	43.097	4.000	2.512
9	5250~5350MHz	16.575	45.447	4.000	2.512
9	5470~5725MHz	16.344	43.097	4.000	2.512
10	5250~5350MHz	14.418	27.655	4.000	2.512
10	5470~5725MHz	14.600	28.839	4.000	2.512
11	5250~5350MHz	13.658	23.218	4.000	2.512
11	5470~5725MHz	13.457	22.165	4.000	2.512



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Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
3	5250~5350MHz	16.523	44.902	4.000	2.512
3	5470~5725MHz	16.410	43.755	4.000	2.512
4	5250~5350MHz	16.523	44.902	4.000	2.512
4	5470~5725MHz	16.410	43.755	4.000	2.512
5	5250~5350MHz	14.856	30.594	4.000	2.512
5	5470~5725MHz	14.933	31.141	4.000	2.512
7	5250~5350MHz	16.523	44.902	4.000	2.512
7	5470~5725MHz	16.410	43.755	4.000	2.512
8	5250~5350MHz	16.523	44.902	4.000	2.512
8	5470~5725MHz	16.410	43.755	4.000	2.512
9	5250~5350MHz	16.523	44.902	4.000	2.512
9	5470~5725MHz	16.410	43.755	4.000	2.512
10	5250~5350MHz	14.856	30.594	4.000	2.512
10	5470~5725MHz	14.933	31.141	4.000	2.512
11	5250~5350MHz	13.483	22.298	4.000	2.512
11	5470~5725MHz	13.613	22.979	4.000	2.512



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Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
3	5250~5350MHz	16.206	41.744	4.000	2.512
3	5470~5725MHz	16.406	43.707	4.000	2.512
4	5250~5350MHz	16.206	41.744	4.000	2.512
4	5470~5725MHz	16.406	43.707	4.000	2.512
5	5250~5350MHz	16.169	41.392	4.000	2.512
5	5470~5725MHz	16.406	43.707	4.000	2.512
7	5250~5350MHz	16.206	41.744	4.000	2.512
7	5470~5725MHz	16.406	43.707	4.000	2.512
8	5250~5350MHz	16.206	41.744	4.000	2.512
8	5470~5725MHz	16.406	43.707	4.000	2.512
9	5250~5350MHz	16.206	41.744	4.000	2.512
9	5470~5725MHz	16.406	43.707	4.000	2.512
10	5250~5350MHz	16.169	41.392	4.000	2.512
10	5470~5725MHz	16.406	43.707	4.000	2.512
11	5250~5350MHz	14.875	30.723	4.000	2.512
11	5470~5725MHz	15.253	33.519	4.000	2.512

Radio 3

802.11a

Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
12	5250~5350MHz	16.43	43.954	4.00	2.512
12	5470~5725MHz	16.42	43.853	4.00	2.512



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2.5 EUT MAXIMUM AND MINIMUM E.I.R.P. POWER

Table 5: The E.I.R.P output power list.

Radio 2

802.11a

Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
3	5250~5350MHz	20.575	114.156	8.000	6.310
3	5470~5725MHz	20.369	108.868	8.000	6.310
4	5250~5350MHz	18.575	72.028	6.000	3.981
4	5470~5725MHz	18.369	68.691	6.000	3.981
5	5250~5350MHz	27.418	551.823	17.000	50.119
5	5470~5725MHz	27.600	575.440	17.000	50.119
7	5250~5350MHz	21.635	145.714	9.060	8.054
7	5470~5725MHz	21.429	138.963	9.060	8.054
8	5250~5350MHz	21.605	144.710	9.030	7.998
8	5470~5725MHz	21.399	138.007	9.030	7.998
9	5250~5350MHz	13.195	20.869	0.620	1.153
9	5470~5725MHz	13.529	22.537	1.160	1.306
10	5250~5350MHz	25.118	324.938	14.700	29.512
10	5470~5725MHz	25.300	338.844	14.700	29.512
11	5250~5350MHz	28.158	654.335	18.500	70.795
11	5470~5725MHz	27.957	624.741	18.500	70.795



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Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
3	5250~5350MHz	20.523	112.798	8.000	6.310
3	5470~5725MHz	20.410	109.901	8.000	6.310
4	5250~5350MHz	18.523	71.170	6.000	3.981
4	5470~5725MHz	18.410	69.343	6.000	3.981
5	5250~5350MHz	27.856	610.380	17.000	50.119
5	5470~5725MHz	27.933	621.298	17.000	50.119
7	5250~5350MHz	21.583	143.979	9.060	8.054
7	5470~5725MHz	21.470	140.281	9.060	8.054
8	5250~5350MHz	21.553	142.988	9.030	7.998
8	5470~5725MHz	21.440	139.316	9.030	7.998
9	5250~5350MHz	13.143	20.621	0.620	1.153
9	5470~5725MHz	13.570	22.751	1.160	1.306
10	5250~5350MHz	25.556	359.418	14.700	29.512
10	5470~5725MHz	25.633	365.847	14.700	29.512
11	5250~5350MHz	27.983	628.492	18.500	70.795
11	5470~5725MHz	28.113	647.590	18.500	70.795



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Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
3	5250~5350MHz	20.206	104.858	8.000	6.310
3	5470~5725MHz	20.406	109.799	8.000	6.310
4	5250~5350MHz	18.206	66.161	6.000	3.981
4	5470~5725MHz	18.406	69.279	6.000	3.981
5	5250~5350MHz	29.169	825.848	17.000	50.119
5	5470~5725MHz	29.406	872.168	17.000	50.119
7	5250~5350MHz	21.266	133.844	9.060	8.054
7	5470~5725MHz	21.466	140.152	9.060	8.054
8	5250~5350MHz	21.236	132.923	9.030	7.998
8	5470~5725MHz	21.436	139.187	9.030	7.998
9	5250~5350MHz	12.826	19.169	0.620	1.153
9	5470~5725MHz	13.566	22.730	1.160	1.306
10	5250~5350MHz	26.869	486.295	14.700	29.512
10	5470~5725MHz	27.106	513.570	14.700	29.512
11	5250~5350MHz	29.375	865.964	18.500	70.795
11	5470~5725MHz	29.753	944.713	18.500	70.795

Radio 3

802.11a

Ant NO.	Frequency Band(MHz)	MAX. Power		MIN. Power	
		Output Power(dBm)	Output Power(mW)	Output Power(dBm)	Output Power(mW)
12	5250~5350MHz	20.49	111.944	8.060	6.397
12	5470~5725MHz	20.48	111.686	8.060	6.397



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2.6 TRANSMIT POWER CONTROL (TPC)

U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Maximum E.I.R.P of this device is 944.713mW which more than 500mW, therefore it's require TPC function.

2.7 STATEMENT OF MAUNFACTURER

Manufacturer statement confirming that information regarding the parameters of the detected Radar Waveforms is not available to the end user. **And the device doesn't have Ad Hoc mode on DFS frequency band.**



3. U-NII DFS RULE REQUIREMENTS

3.1 WORKING MODES AND REQUIRED TEST ITEMS

The manufacturer shall state whether the UUT is capable of operating as a Master and/or a Client. If the UUT is capable of operating in more than one operating mode then each operating mode shall be tested separately. See tables 1 and 2 for the applicability of DFS requirements for each of the operational modes.

Table 6: Applicability of DFS requirements prior to use a channel

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
Non-Occupancy Period	✓	✓	✓
DFS Detection Threshold	✓	Not required	✓
Channel Availability Check Time	✓	Not required	Not required
Uniform Spreading	✓	Not required	Not required
U-NII Detection Bandwidth	✓	Not required	✓

Table 7: Applicability of DFS requirements during normal operation.

Requirement	Operational Mode		
	Master	Client without radar detection	Client with radar detection
DFS Detection Threshold	✓	Not required	✓
Channel Closing Transmission Time	✓	✓	✓
Channel Move Time	✓	✓	✓
U-NII Detection Bandwidth	✓	Not required	✓



3.2 TEST LIMITS AND RADAR SIGNAL PARAMETERS

DETECTION THRESHOLD VALUES

Table 8: DFS Detection Thresholds for Master Devices and Client Devices With Radar Detection.

Maximum Transmit Power	Value (See Notes 1 and 2)
≥ 200 milliwatt	-64 dBm
< 200 milliwatt	-62 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
 Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.

Table 9: DFS Response Requirement Values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 80% of the UNII 99% transmission power bandwidth. See Note 3.

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



PARAMETERS OF DFS TEST SIGNALS

Step intervals of 0.1 microsecond for Pulse Width, 1 microsecond for PRI, 1 MHz for chirp width and 1 for the number of pulses will be utilized for the random determination of specific test waveforms.

Table 10: 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

Table 11: Long Pulse Radar Test Waveform

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

Table 12: Frequency Hopping Radar Test Waveform

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



4. TEST & SUPPORT EQUIPMENT LIST

4.1 TEST INSTRUMENTS

Table 1: Test instruments list.

DESCRIPTION & MANUFACTURER	MODEL NO.	BRAND	CALIBRATED UNTIL
R&S Spectrum analyzer	FSP40	R&S	May 03, 2010
Signal generator	8645A	Agilent	Aug. 30, 2010
Oscilloscope	TDS 5104	Tektronix	May. 04, 2010

4.2 DESCRIPTION OF SUPPORT UNITS

Table 2: Support Unit information.

No.	Product	Brand	Model No.	ID	Spec.
1	Wireless-N USB Adapter	D-Link	DWA-160	KA2WA160B1	
2	AirDefense	AirDefense	1250 REV.1		

Note: This device No.1 was functioned as a □Master ■Slave device during the DFS test.

Table 3: Software/Firmware information.

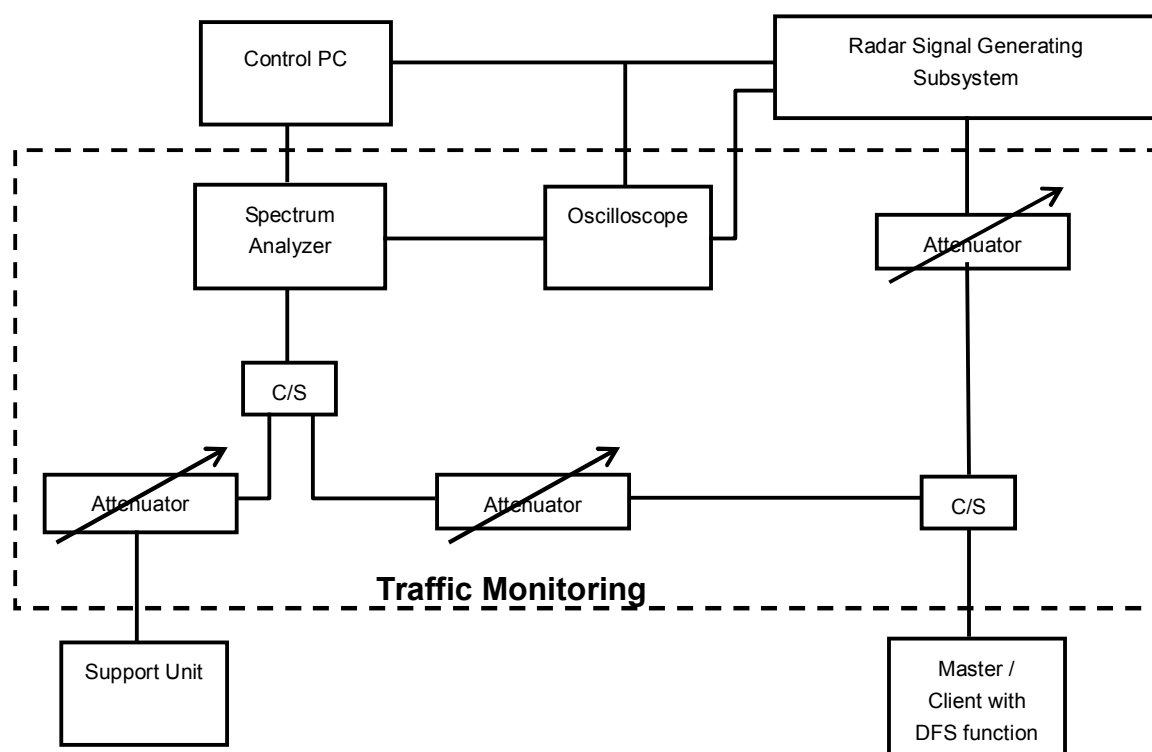
No.	Product	Model No.	Software/Firmware Version
1	Wireless-N USB Adapter	DWA-160	Driver Version: 1.1.1.0
2	AirDefense	1250 REV.1	AirDefense Enterprise Build: 7.3.3-12 service module 2

5. TEST PROCEDURE

5.1 ADT DFS MEASUREMENT SYSTEM:

A complete ADT DFS Measurement System consists of two subsystems: (1) the Radar Signal Generating Subsystem and (2) the Traffic Monitoring Subsystem. The control PC is necessary for generating the Radar waveforms in Table 10, 11 and 12. The traffic monitoring subsystem is specified to the type of unit under test (UUT).

Conducted setup configuration of ADT DFS Measurement System



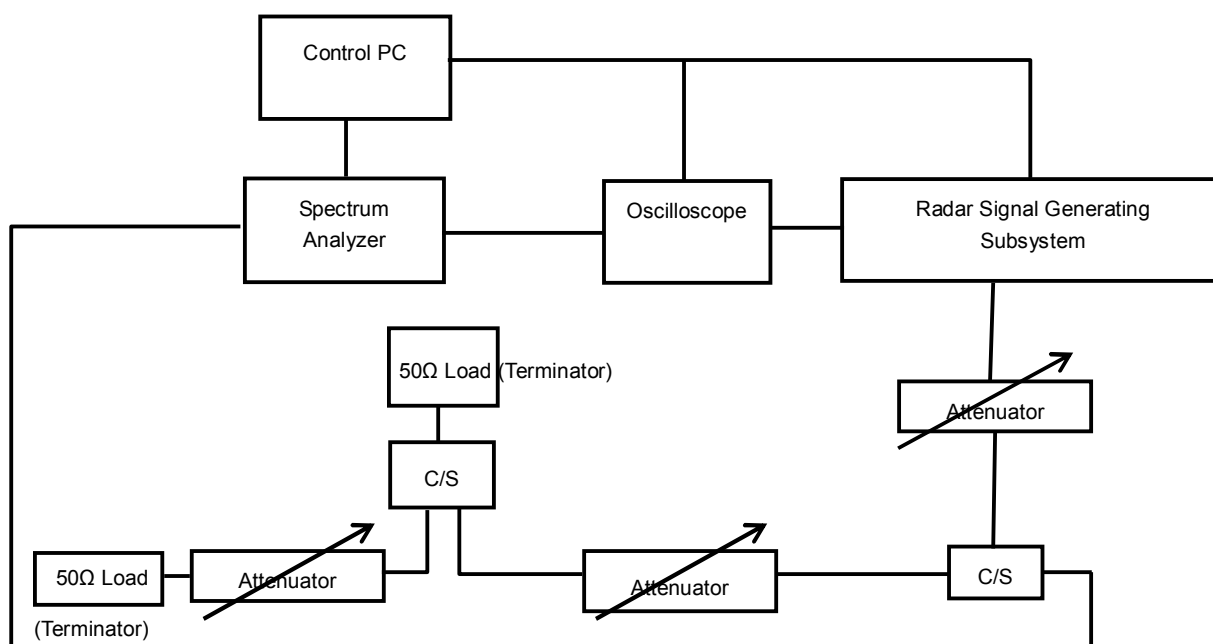
The test transmission will always be from the Master Device to the Client Device. While the Client device is set up to associate with the Master device and play the MPEG file (6 $\frac{1}{2}$ Magic Hours) from Master device, the designated MPEG test file and instructions are located at:

<http://ntiacsd.ntia.doc.gov/dfs/>.

5.2 CALIBRATION OF DFS DETECTION THRESHOLD LEVEL:

The measured channel is 5500MHz. The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) or Client Device with Radar Detection, measured the channel closing transmission time and channel move time.

Conducted setup configuration of Calibration of DFS Detection Threshold Level

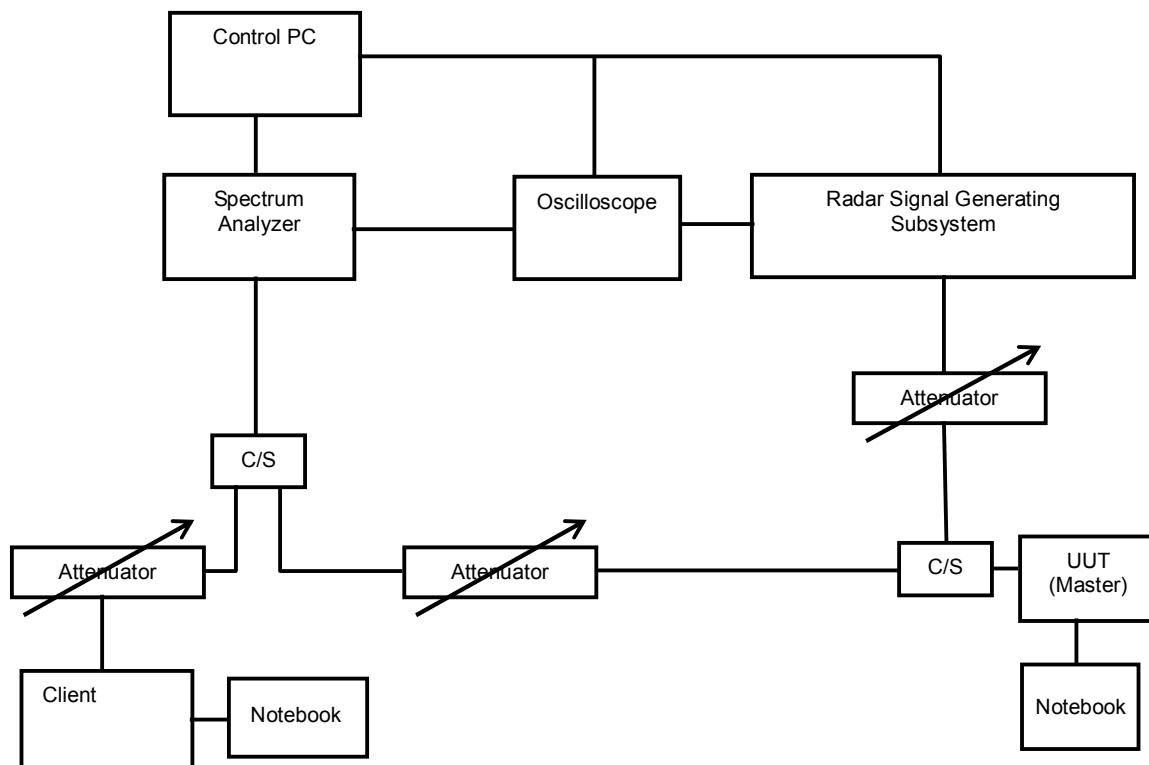


5.3 DEVIATION FROM TEST STANDARD

No deviation.

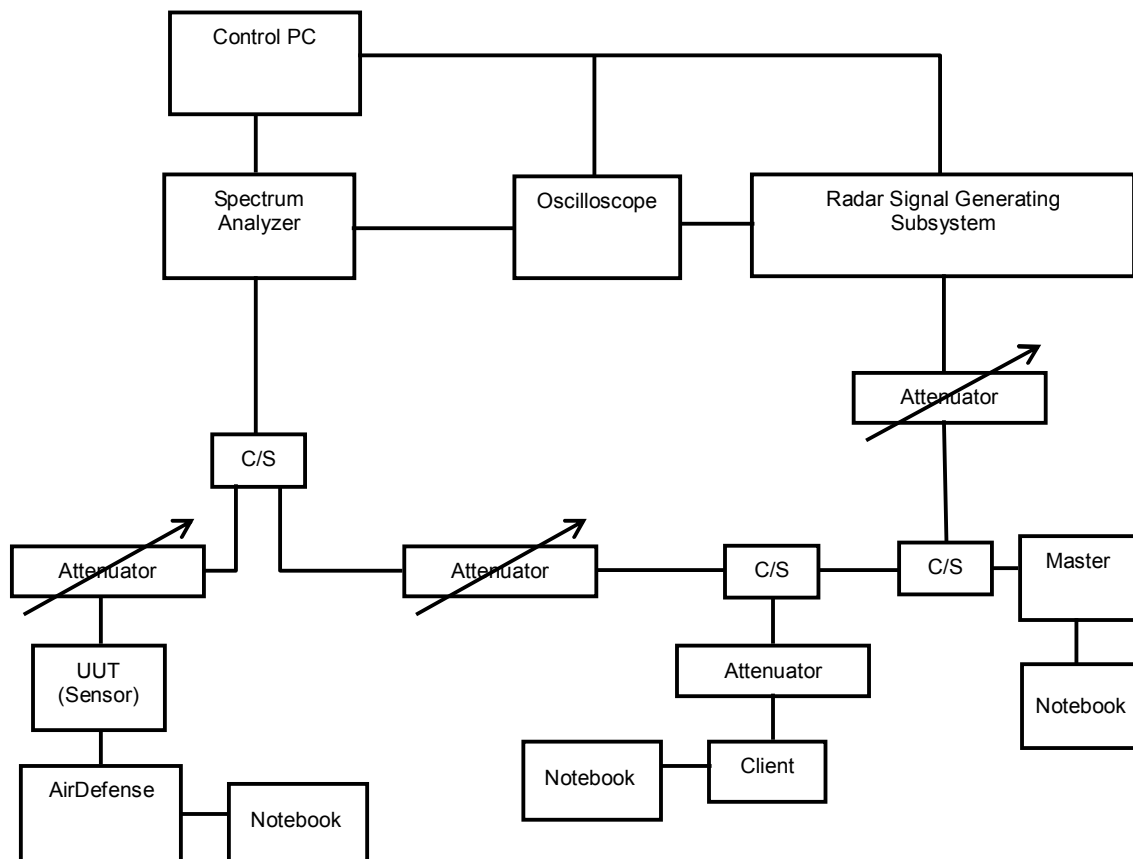
5.4 CONDUCTED TEST SETUP CONFIGURATION

5.4.1 MASTER MODE



The UUT is a U-NII Device operating in Master mode. The radar test signals are injected into the Master Device.

5.4.2 CLIENT WITHOUT RADAR DETECTION MODE



The EUT is a U-NII Device operating in Client mode without radar detection. The radar test signals are injected into the Master Device.



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6. TEST RESULTS

6.1 SUMMARY OF TEST RESULT

6.1.1 MASTER MODE

Clause	Test Parameter	Remarks	Pass/Fail
15.407	DFS Detection Threshold	Applicable	Pass
15.407	Channel Availability Check Time	Applicable	Pass
15.407	Channel Move Time	Applicable	Pass
15.407	Channel Closing Transmission Time	Applicable	Pass
15.407	Non- Occupancy Period	Applicable	Pass
15.407	Uniform Spreading	Applicable	Pass
15.407	U-NII Detection Bandwidth	Applicable	Pass

6.1.2 CLIENT WITHOUT RADAR DETECTION MODE

CLAUSE	TEST PARAMETER	REMARKS	PASS/FAIL
15.407	DFS Detection Threshold	Not Applicable	NA
15.407	Channel Availability Check Time	Not Applicable	NA
15.407	Channel Move Time	Applicable	Pass
15.407	Channel Closing Transmission Time	Applicable	Pass
15.407	Non- Occupancy Period	Applicable	Pass
15.407	Uniform Spreading	Not Applicable	NA
15.407	U-NII Detection Bandwidth	Not Applicable	NA
15.407	Non-associated test	Applicable	Pass

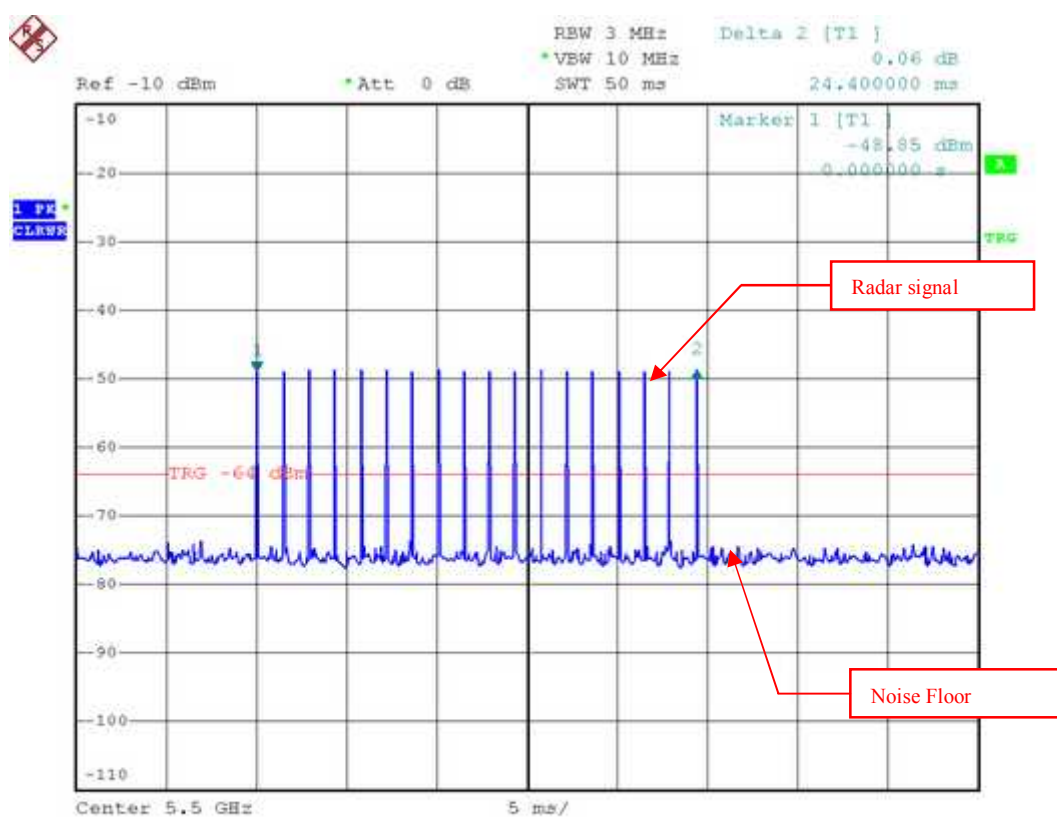
6.2 DETAIL TEST RESULTS

6.2.1 MASTER MODE

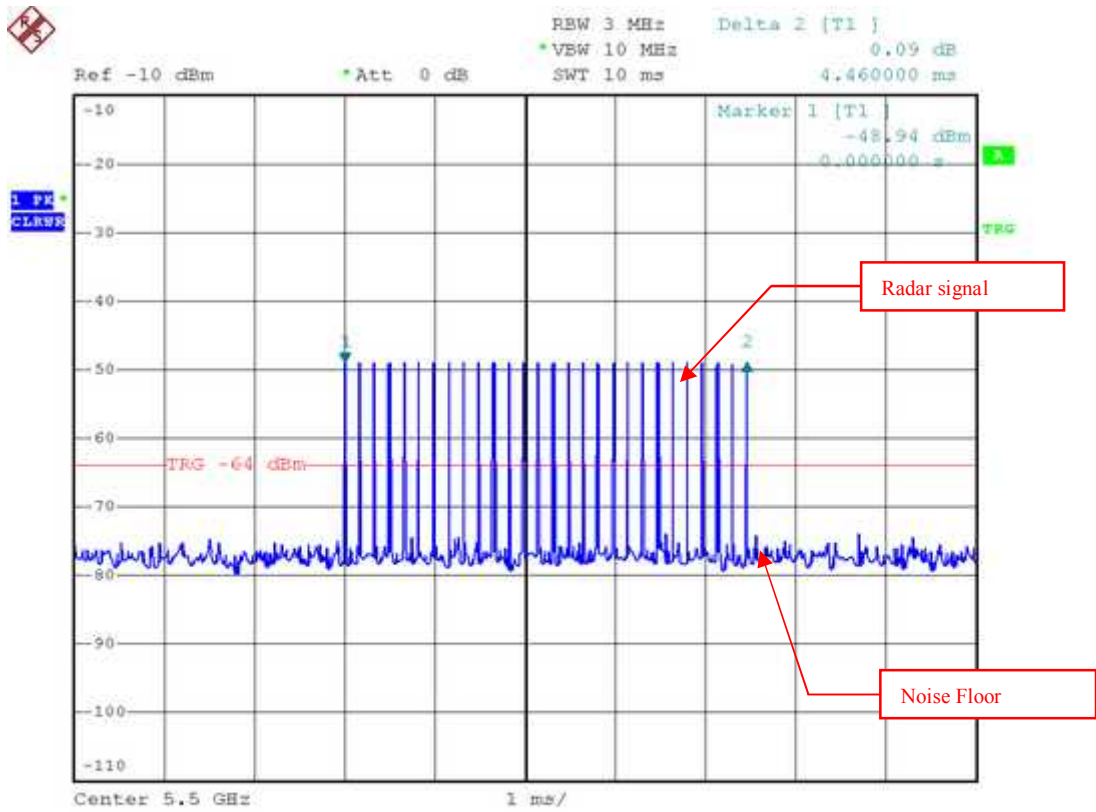
6.2.1.1 DFS DETECTION THRESHOLD

Highest Gain Antenna

For a detection threshold level of -64dBm and the Master antenna gain is 14.5dBi . The Required detection threshold is -48.5dBm ($= -64 + 1 + (14.5)\text{dBm}$). The conducted radar burst level is set to -48.5dBm .



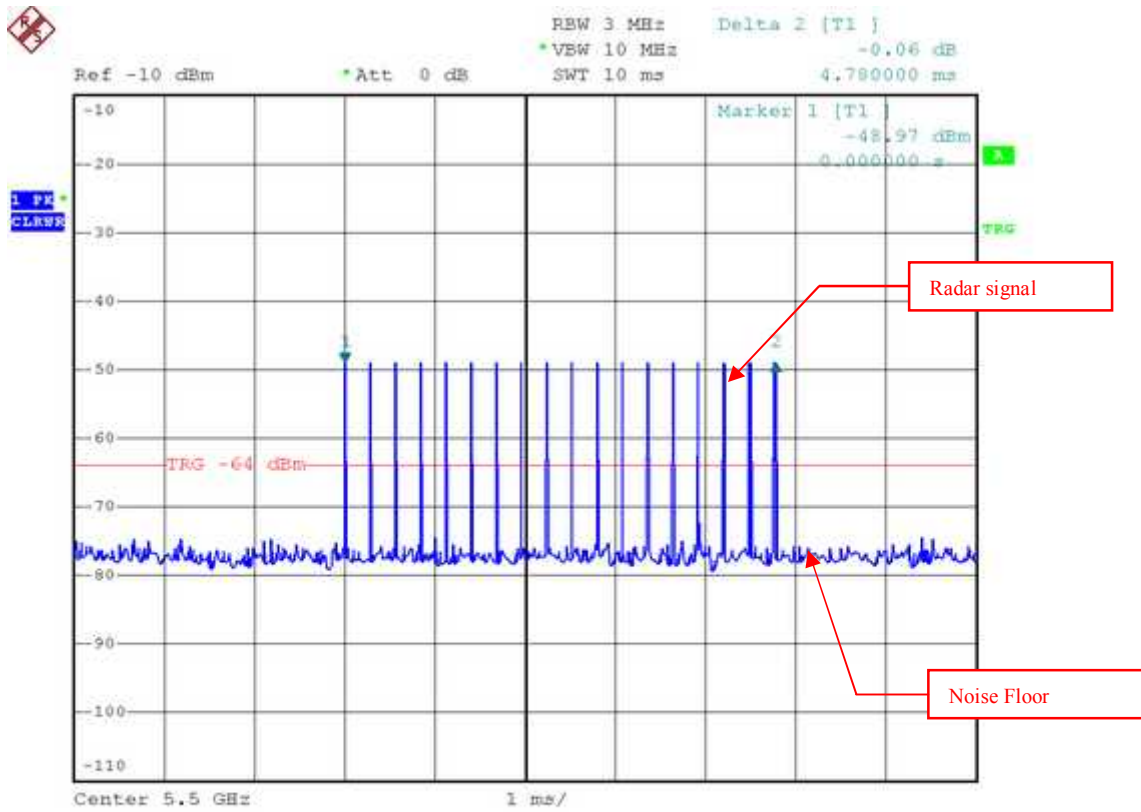
Radar Signal 1



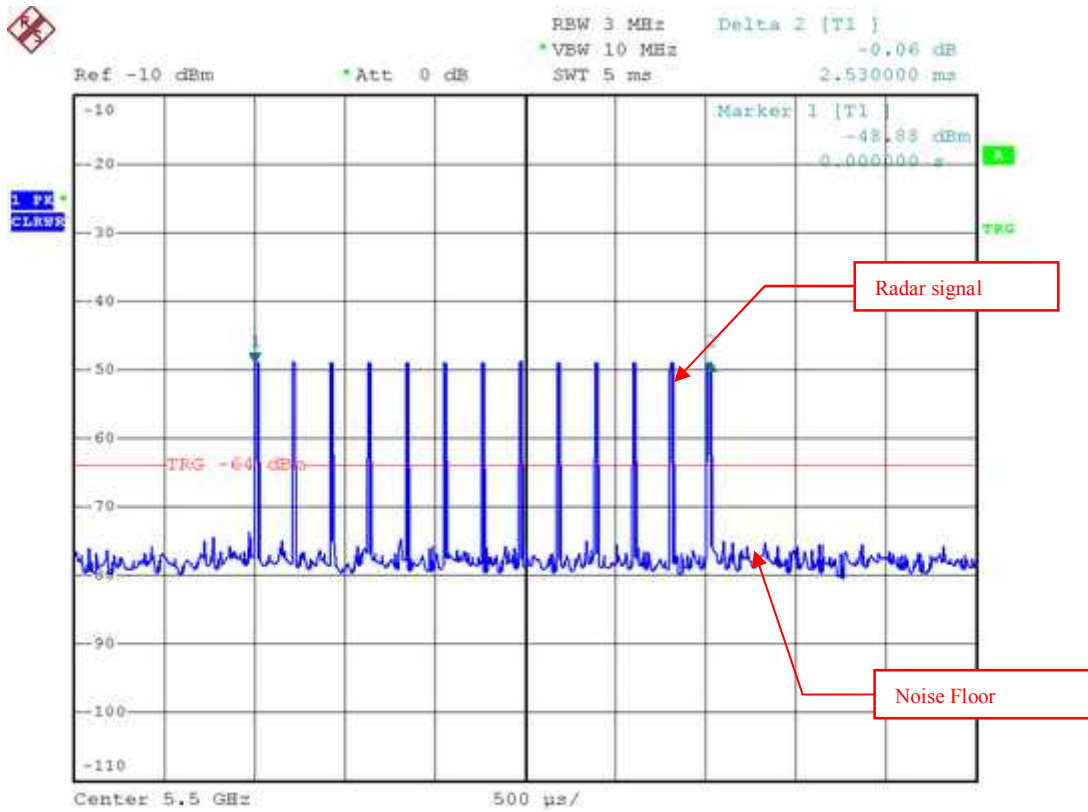
Radar Signal 2



A D T



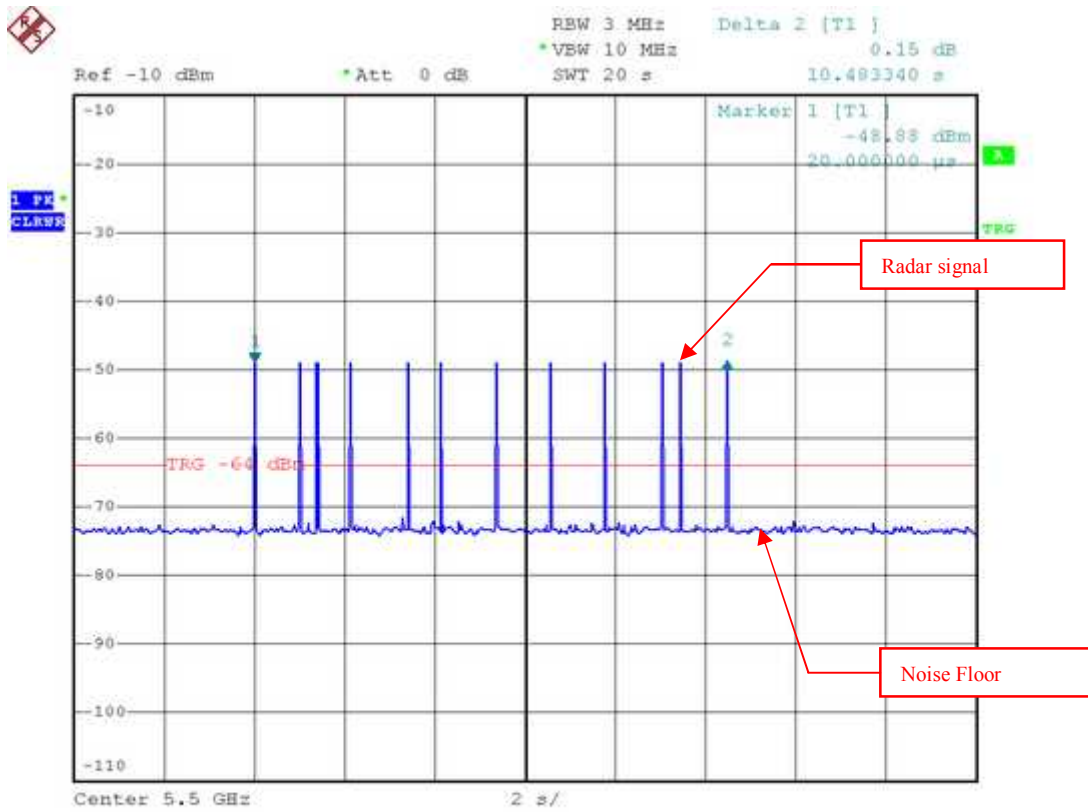
Radar Signal 3



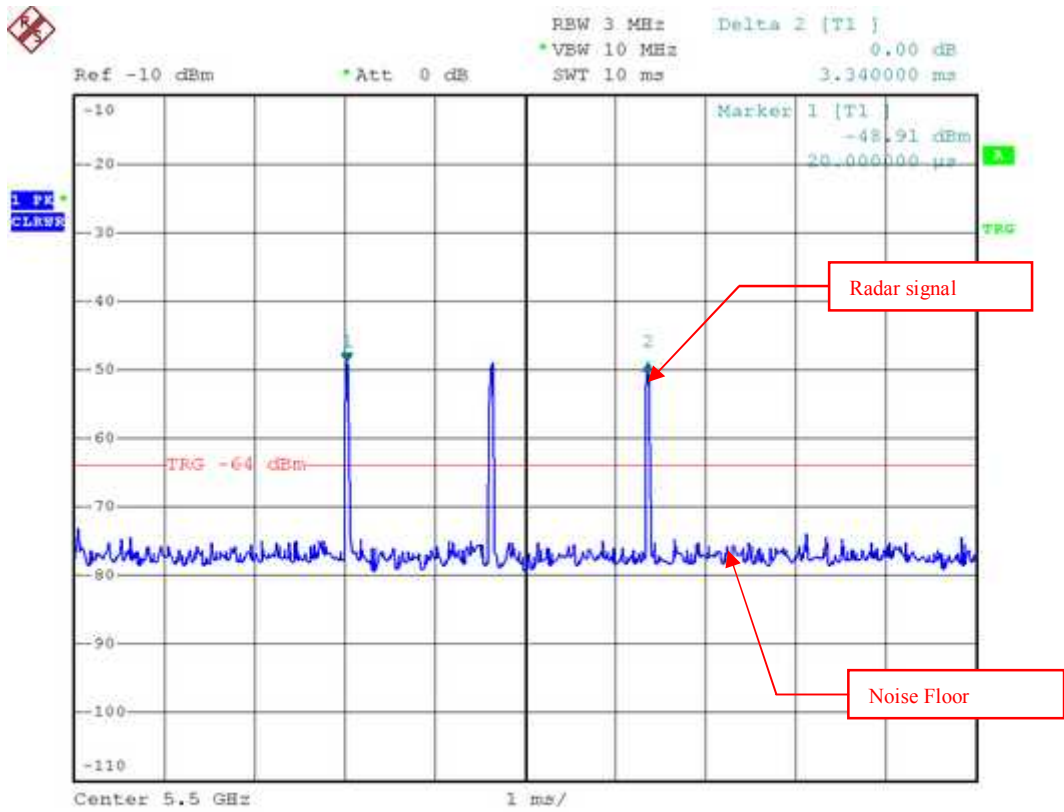
Radar Signal 4



A D T



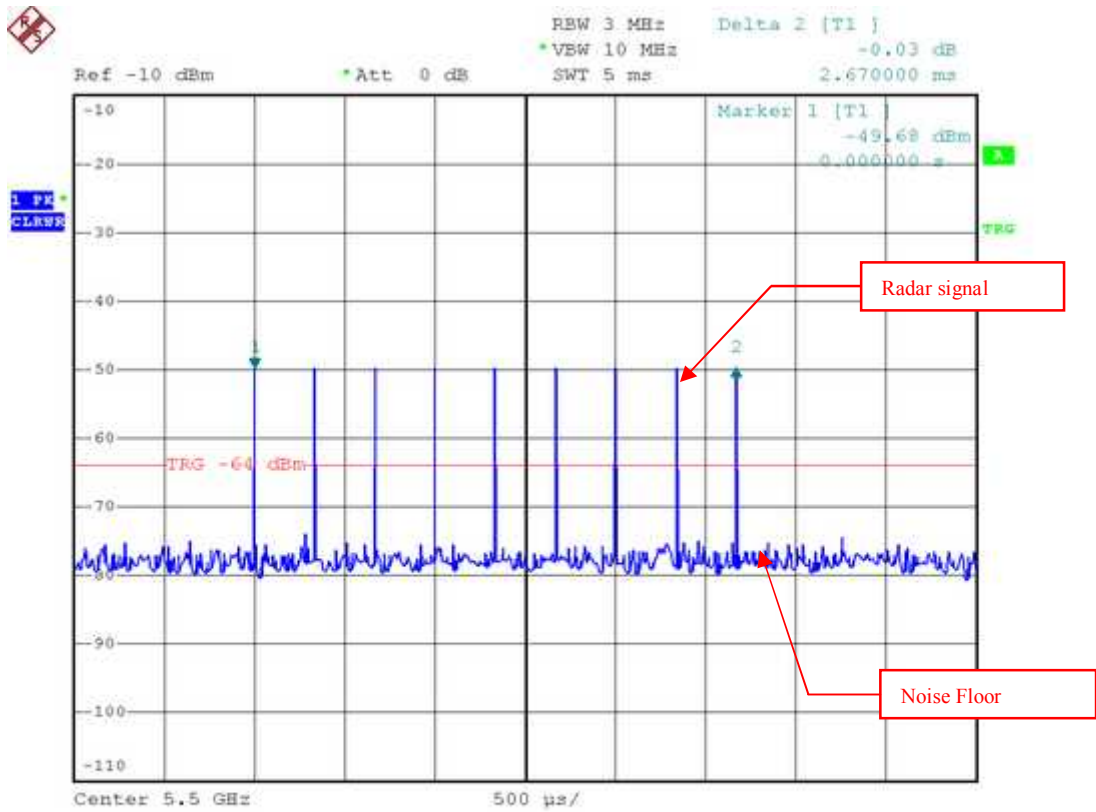
Radar Signal 5



Single Burst of Radar Signal 5



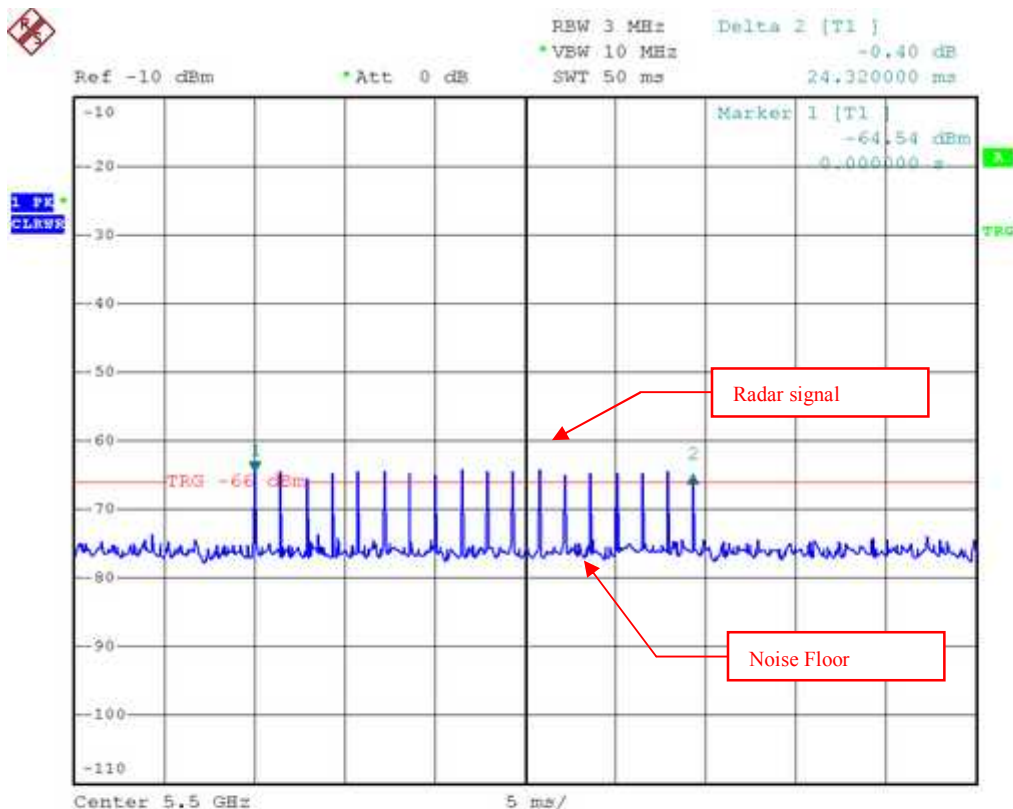
A D T



Radar Signal 6

Lowest Gain Antenna

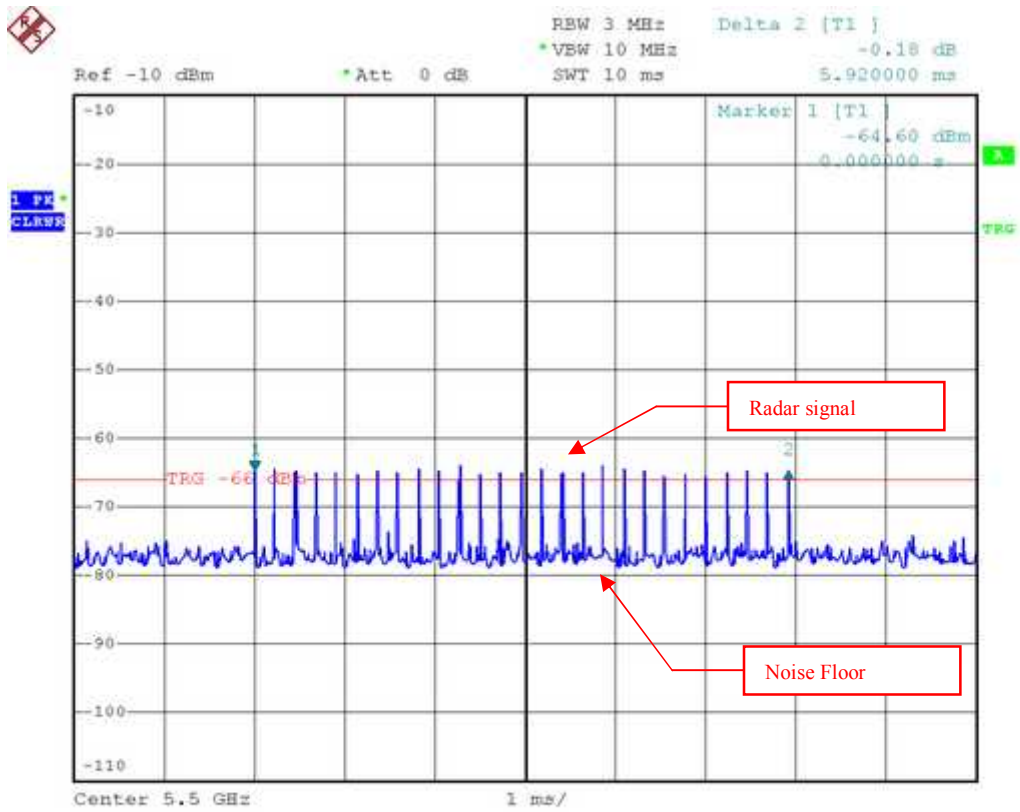
For a detection threshold level of -62dBm and the Master antenna gain is -3.38dBi . The Required detection threshold is -64.38dBm ($= -62 + 1 + (-3.38)$) dBm . The conducted radar burst level is set to -64.38dBm .



Radar Signal 1



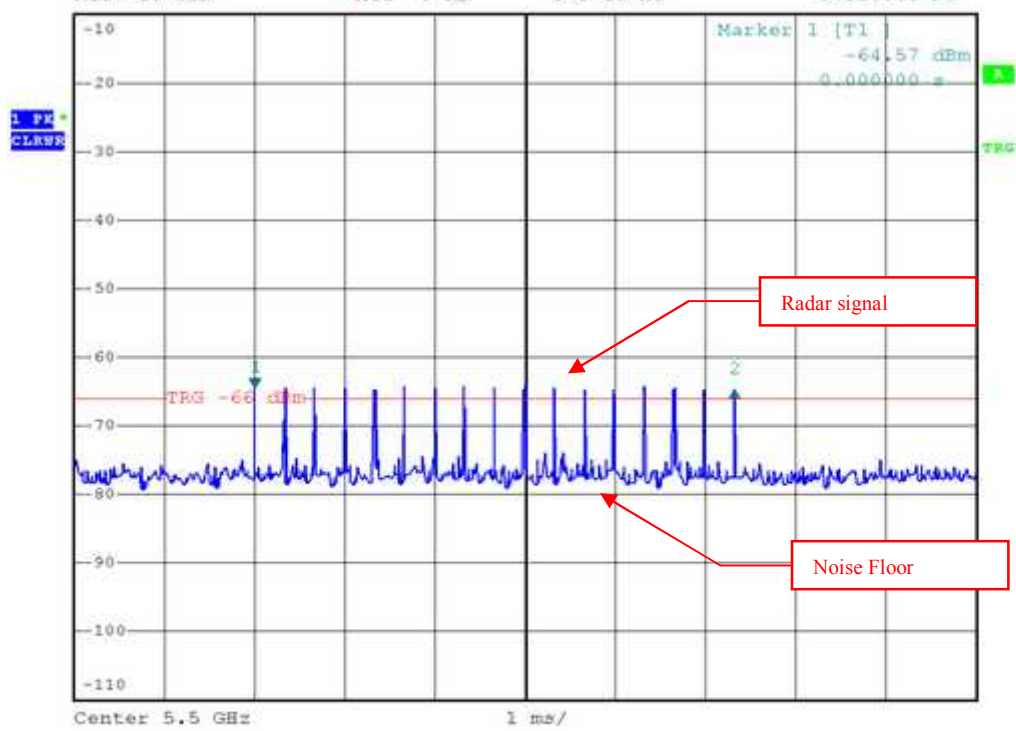
A D T



Radar Signal 2



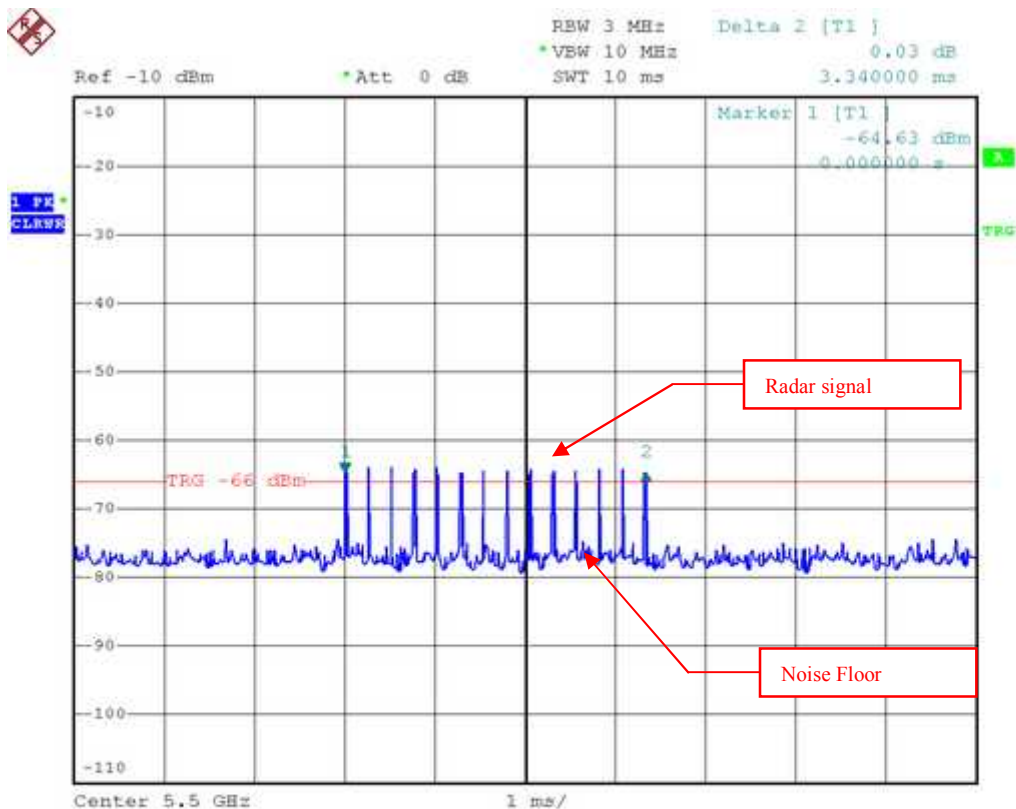
Ref -10 dBm *Att 0 dB RBW 3 MHz Delta 2 [T1] -0.09 dB
*VBW 10 MHz SWT 10 ms 5.320000 ms



Radar Signal 3



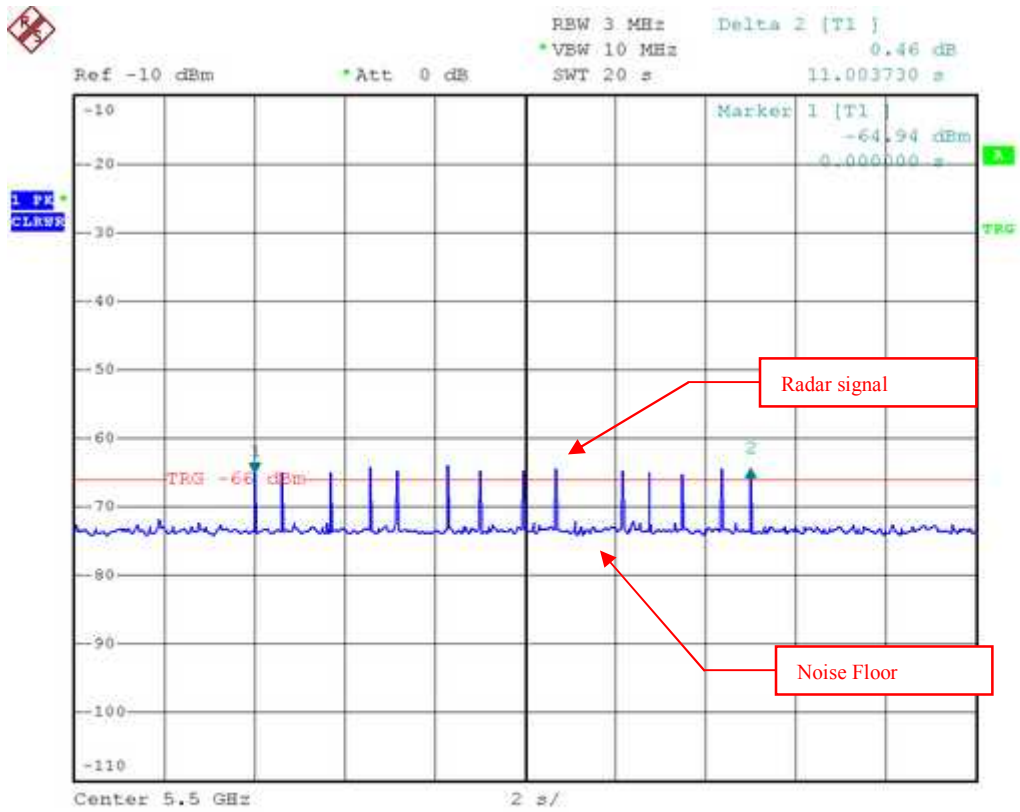
A D T



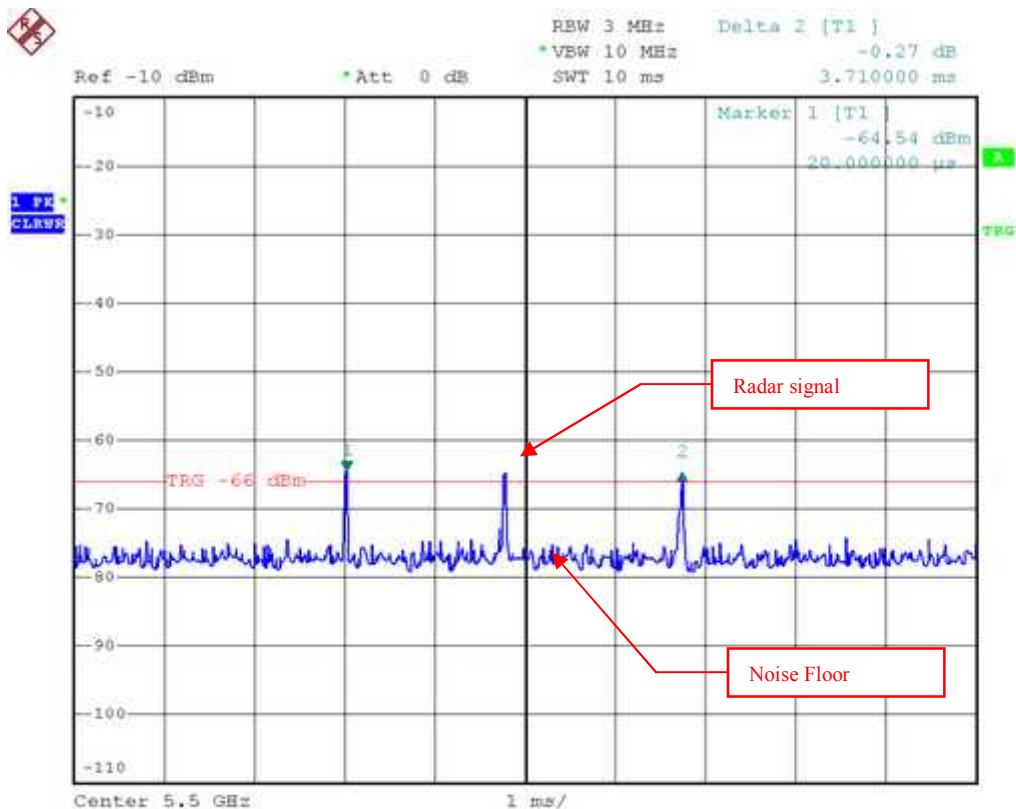
Radar Signal 4



A D T



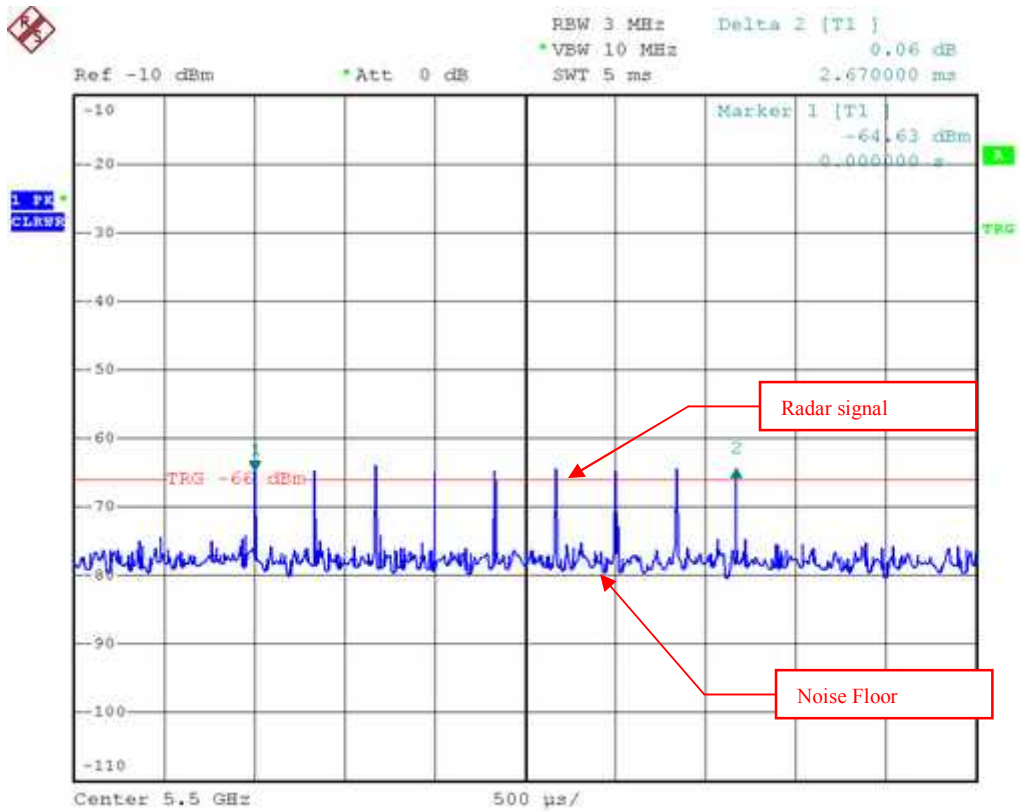
Radar Signal 5



Single Burst of Radar Signal 5



A D T



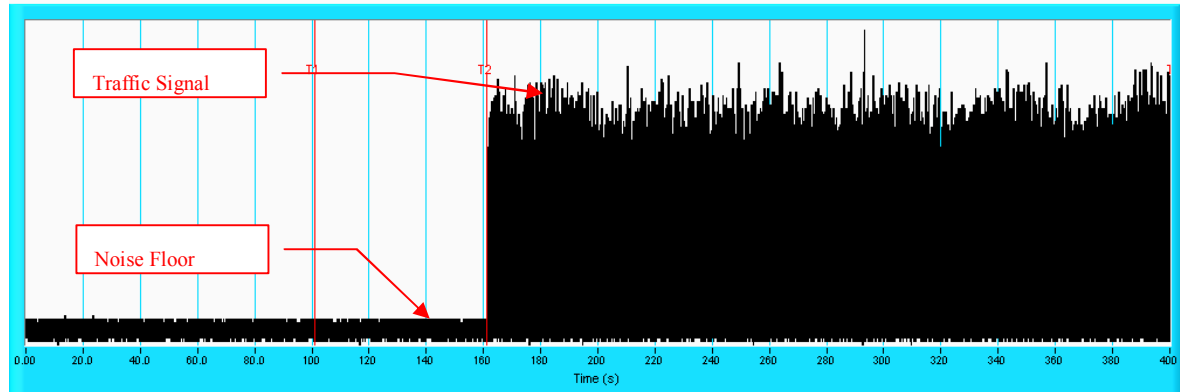
Radar Signal 6

6.2.1.2 CHANNEL AVAILABILITY CHECK TIME

Highest Gain Antenna

Initial Channel Availability Check Time

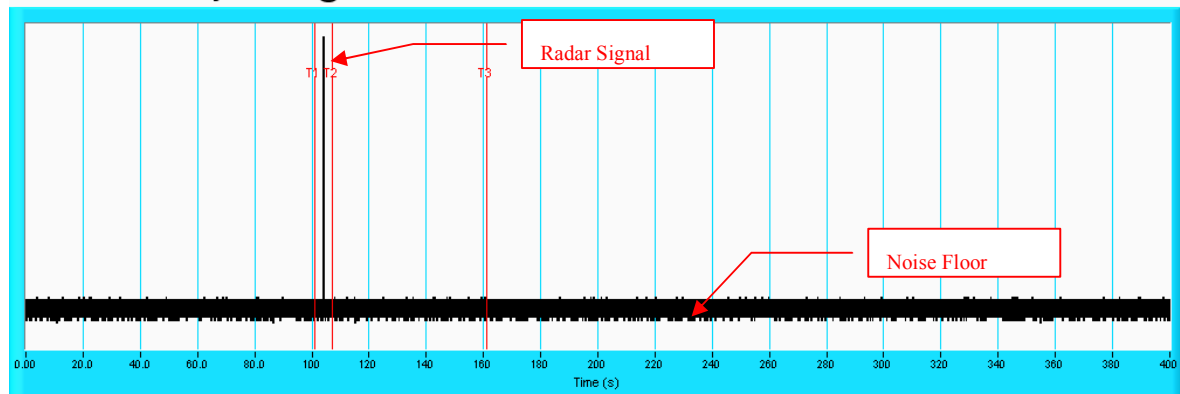
Channel Availability Check @ CH100 - 5500MHz



NOTE: T1 denotes the end of power-up time period is 101th second. T2 denotes the end of Channel Availability Check time is 161th second. Channel Availability Check time is equal to (T2 – T1) 60 seconds.

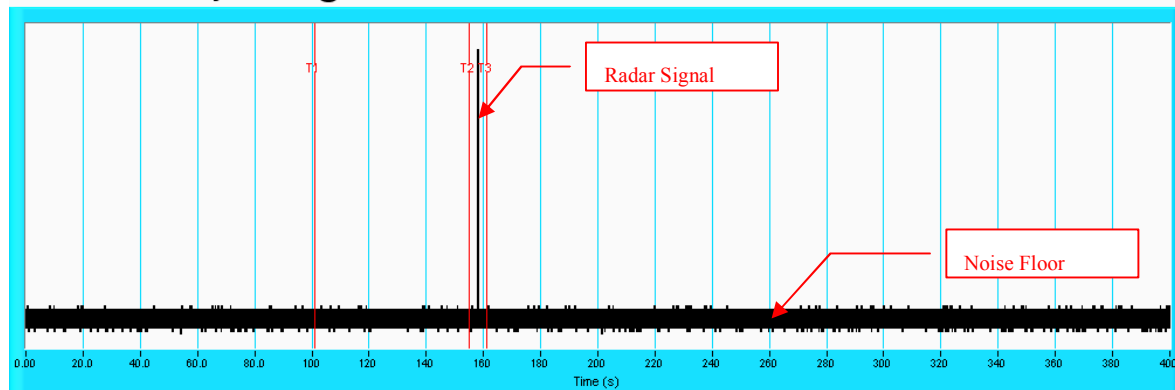
Radar Burst at the Beginning of the Channel Availability Check Time

Channel Availability Check @ CH100 - 5500MHz



NOTE: T1 denotes the end of power up time period is 101th second. T2 denotes the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T3 denotes the 161th second.

Radar Burst at the End of the Channel Availability Check Time Channel Availability Check @ CH100 - 5500MHz

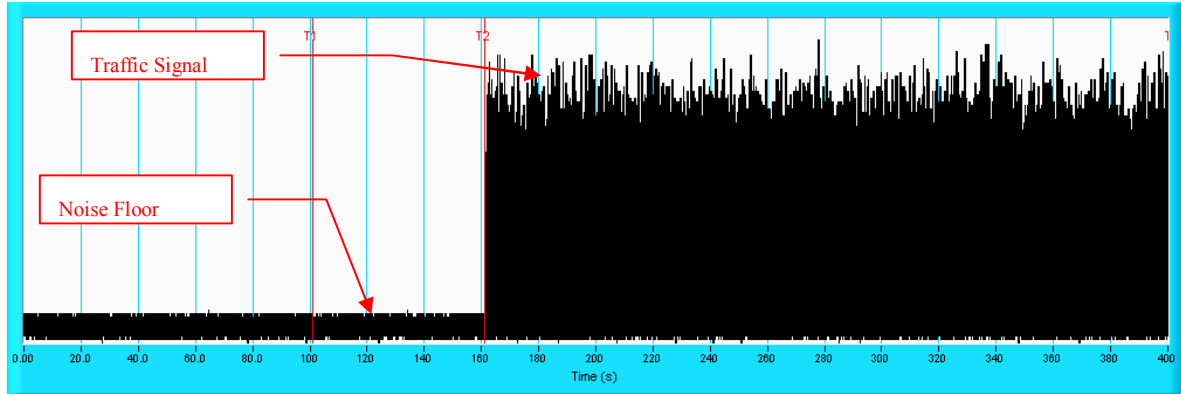


NOTE: T1 denotes the end of power up time period is 101th second. T2 denotes 155th second and T3 denotes the 161th second. The radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence.

Lowest Gain Antenna

Initial Channel Availability Check Time

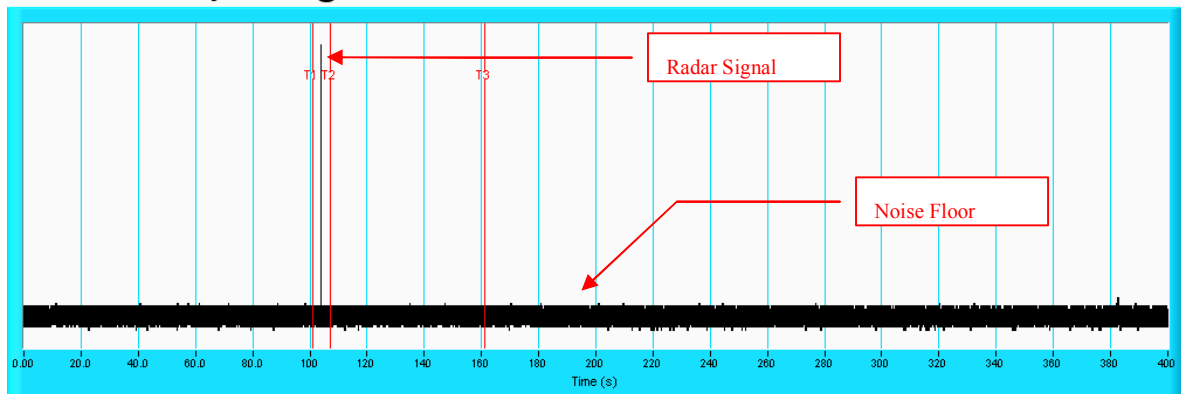
Channel Availability Check @ CH100 - 5500MHz



NOTE: T1 denotes the end of power-up time period is 101th second. T2 denotes the end of Channel Availability Check time is 161th second. Channel Availability Check time is equal to (T2 – T1) 60 seconds.

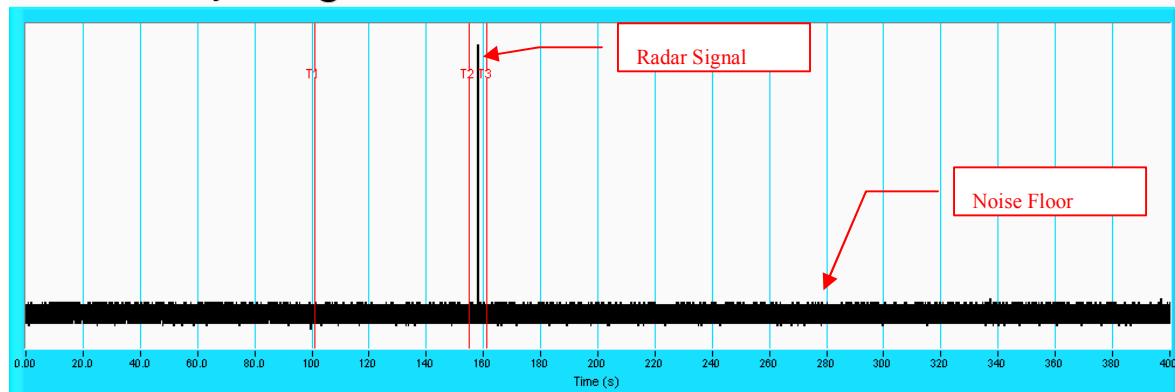
Radar Burst at the Beginning of the Channel Availability Check Time

Channel Availability Check @ CH100 - 5500MHz



NOTE: T1 denotes the end of power up time period is 101th second. T2 denotes the radar burst was commenced within a 6 second window starting from the end of power-up sequence. T3 denotes the 161th second.

Radar Burst at the End of the Channel Availability Check Time Channel Availability Check @ CH100 - 5500MHz



NOTE: T1 denotes the end of power up time period is 101th second. T2 denotes 155th second and T3 denotes the 161th second. The radar burst was commenced within 54th second to 60th second window starting from the end of power-up sequence.



6.2.1.3 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

Highest Gain Antenna on 802.11a

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100
2	1-5	150-230	23-29	30	93.3
3	6-10	200-500	16-18	30	100
4	11-20	200-500	12-16	30	93.3
Aggregate (Radar Types 1-4)				120	96.7

Table 2: Long Pulse Radar Test Waveform

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

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	100



A D T

Highest Gain Antenna on Draft 802.11n HT20

Table 4: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100
2	1-5	150-230	23-29	30	93.3
3	6-10	200-500	16-18	30	96.7
4	11-20	200-500	12-16	30	96.7
Aggregate (Radar Types 1-4)				120	96.7

Table 5: Long Pulse Radar Test Waveform

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

Table 6: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	100



A D T

Highest Gain Antenna on Draft 802.11n HT40

Table 7: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100
2	1-5	150-230	23-29	30	100
3	6-10	200-500	16-18	30	100
4	11-20	200-500	12-16	30	96.7
Aggregate (Radar Types 1-4)				120	99.2

Table 8: Long Pulse Radar Test Waveform

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

Table 9: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	100



Lowest Gain Antenna on 802.11a

Table 1: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100
2	1-5	150-230	23-29	30	93.3
3	6-10	200-500	16-18	30	96.7
4	11-20	200-500	12-16	30	93.3
Aggregate (Radar Types 1-4)				120	95.8

Table 2: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	96.7

Table 3: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	100



A D T

Lowest Gain Antenna on Draft 802.11n HT20

Table 4: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100
2	1-5	150-230	23-29	30	100
3	6-10	200-500	16-18	30	93.3
4	11-20	200-500	12-16	30	96.7
Aggregate (Radar Types 1-4)				120	97.5

Table 5: Long Pulse Radar Test Waveform

Radar Type	Pulse Width (µsec)	Chirp Width (MHz)	PRI (µsec)	Number of Pulses per Burst	Number of Bursts	Number of Trials(Times)	Percentage of Successful Detection (%)
5	50-100	5-20	1000-2000	1-3	8-20	30	90

Table 6: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	100



Lowest Gain Antenna on Draft 802.11n HT40

Table 7: Short Pulse Radar Test Waveforms.

Radar Type	Pulse Width (µsec)	PRI (µsec)	Number of Pulses	Number of Trials(Times)	Percentage of Successful Detection (%)
1	1	1428	18	30	100
2	1-5	150-230	23-29	30	96.7
3	6-10	200-500	16-18	30	100
4	11-20	200-500	12-16	30	100
Aggregate (Radar Types 1-4)				120	99.2

Table 8: Long Pulse Radar Test Waveform

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

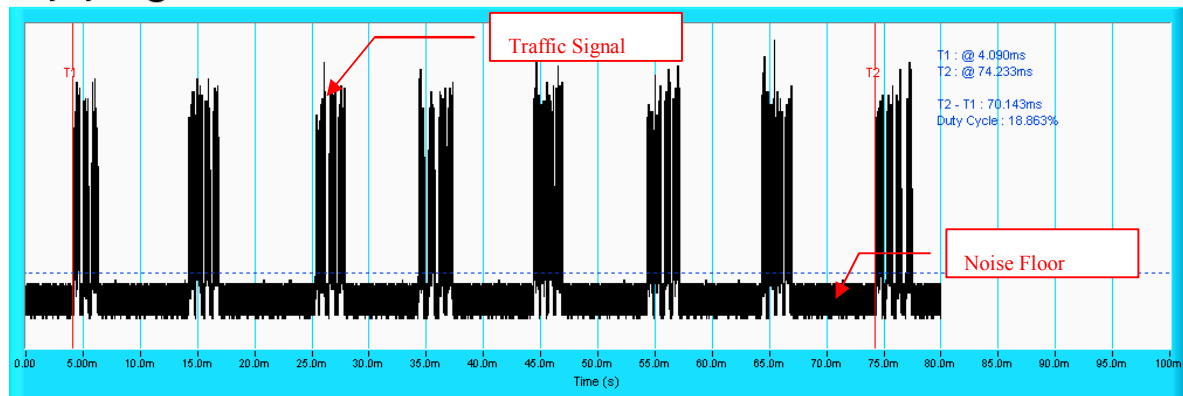
Table 9: Frequency Hopping Radar Test Waveform

Radar Type	Pulse Width (µsec)	PRI (µsec)	Pulses per Hop	Hopping Rate (kHz)	Hopping Sequence Length (msec)	Number of Trials(Times)	Percentage of Successful Detection (%)
6	1	333	9	0.333	300	30	100

WLAN TRAFFIC

Draft 802.11n HT40

Duty Cycle @ CH100 - 5500MHz

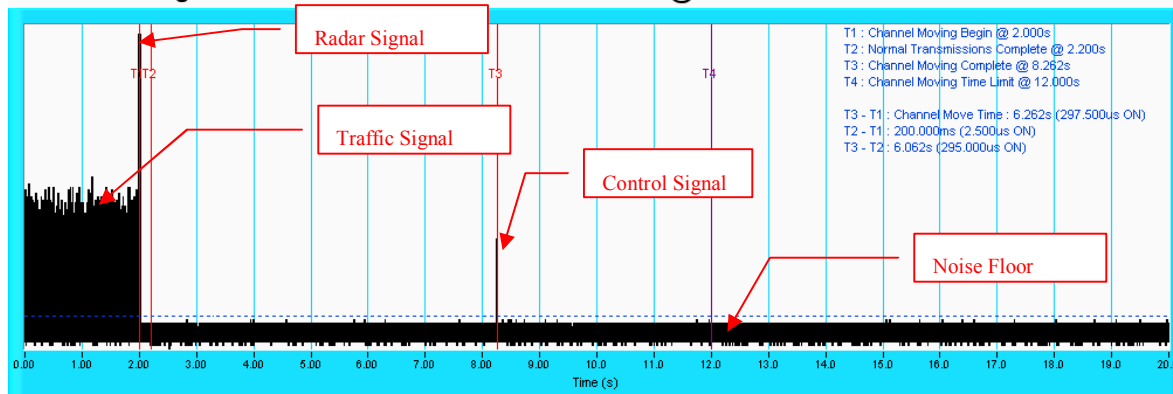


NOTE: T1 denotes the start of duty cycle period is 0.00409th second. T2 denotes the end of duty cycle period is 0.074233th second. $T2 - T1 = 0.070143$ seconds. Duty Cycle = 18.863%

Highest Gain Antenna

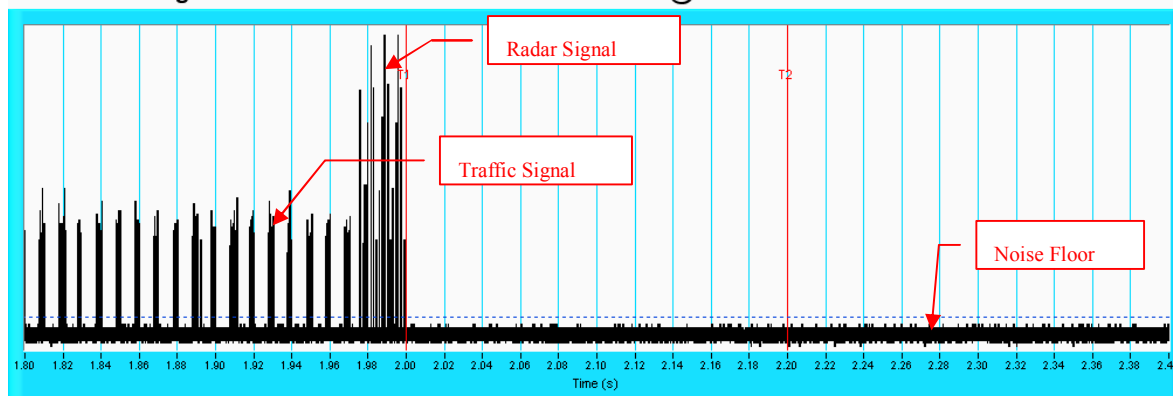
Radar signal 1

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

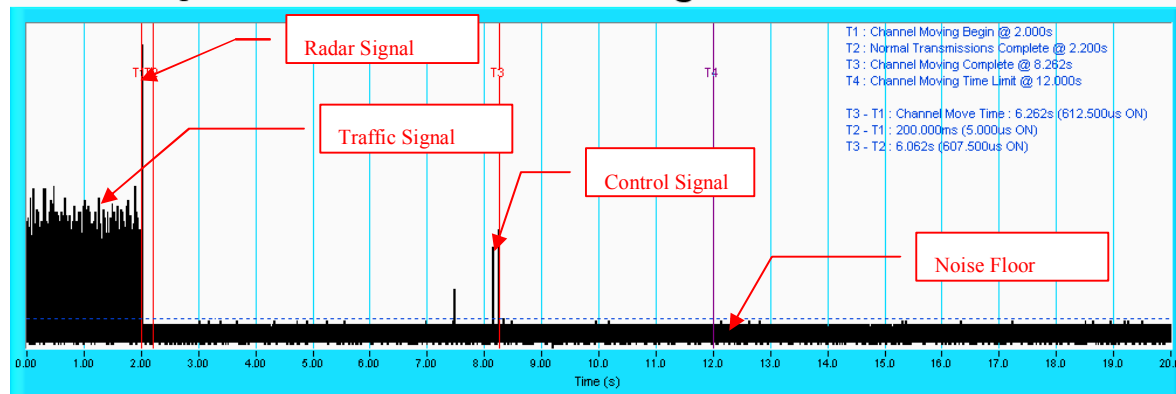
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

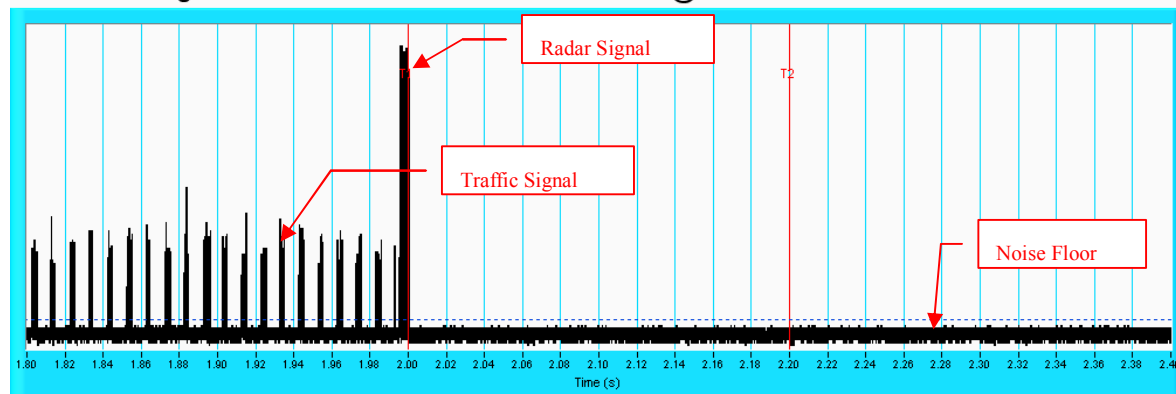
Radar signal 2

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

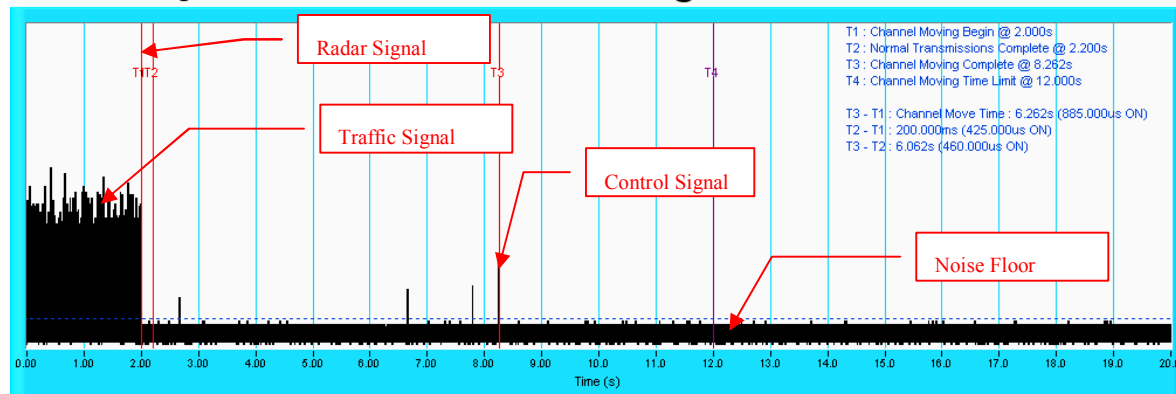
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

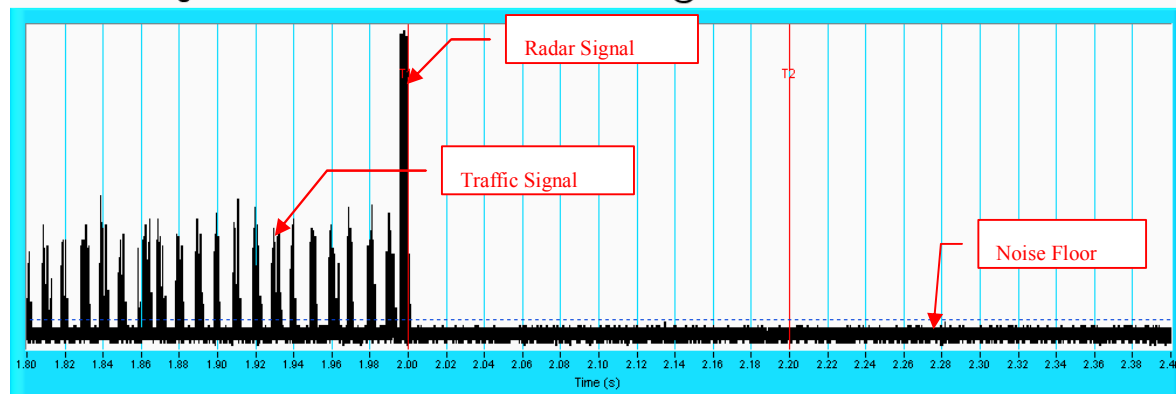
Radar signal 3

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

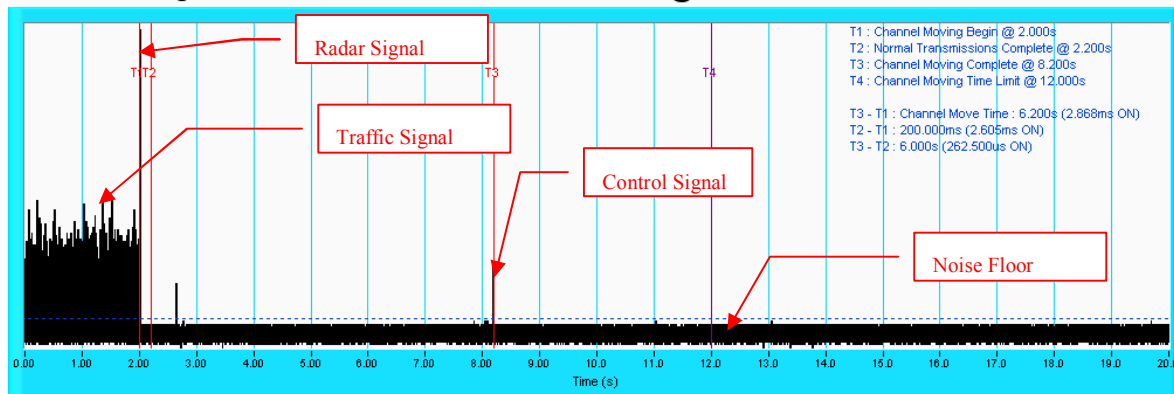
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

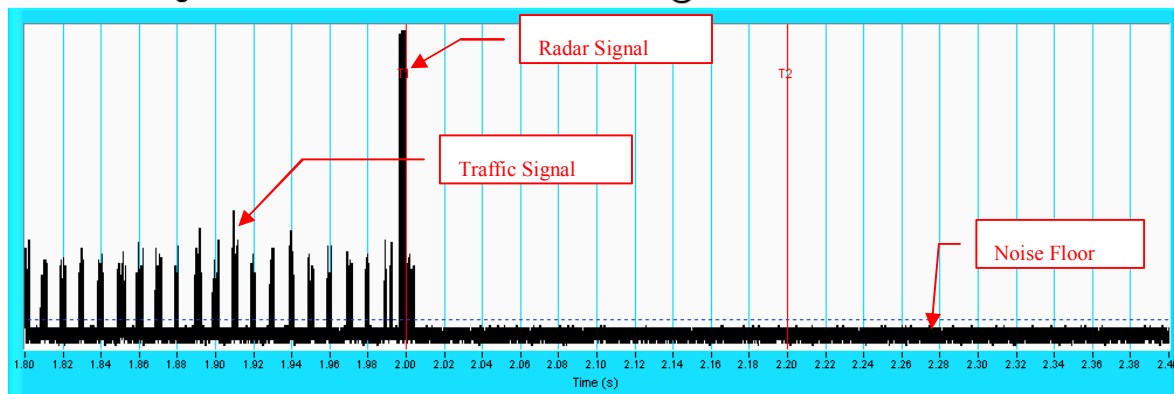
Radar signal 4

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

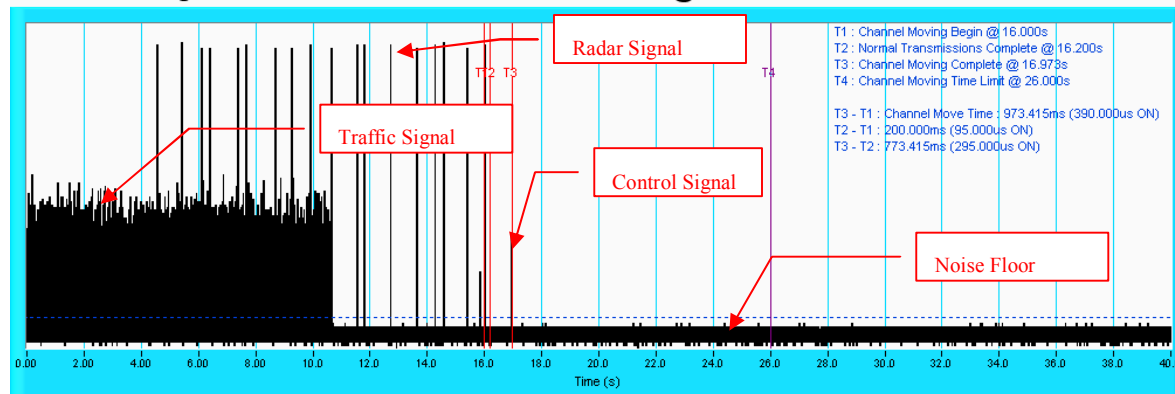
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

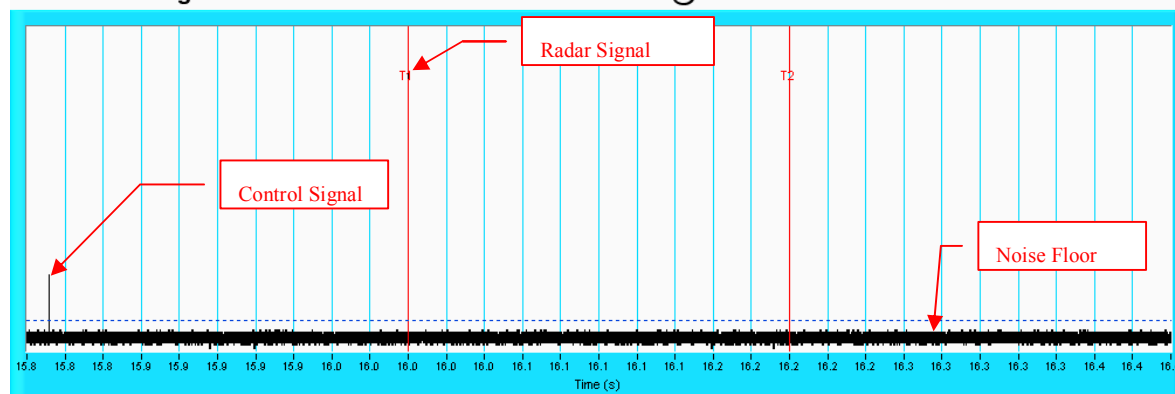
Radar signal 5

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

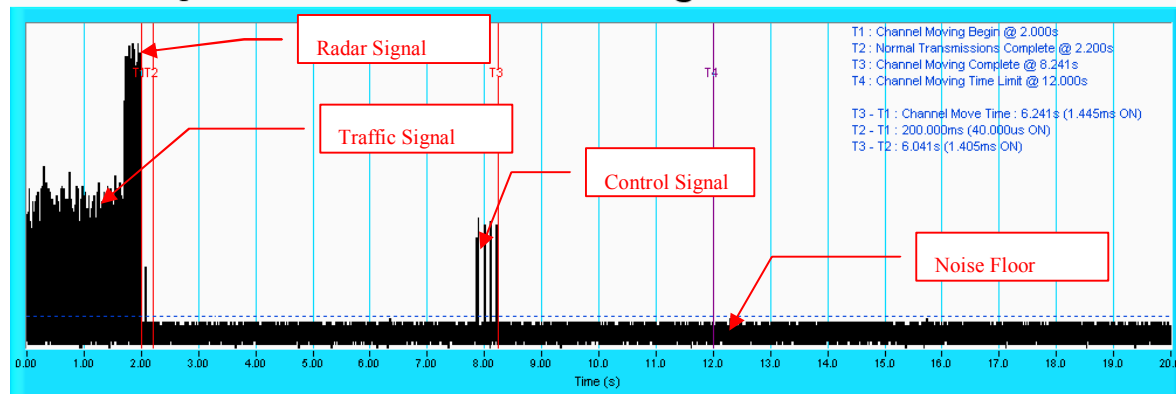
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

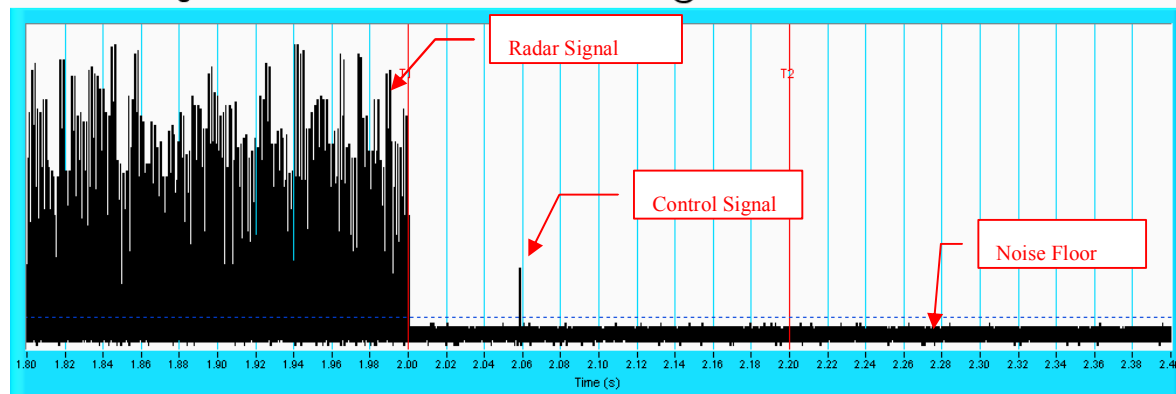
Radar signal 6

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.



A D T

Highest Gain Antenna on 802.11a

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on 802.11a

Type 2 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	27	1.9u	182.0u	Yes
2	27	1.9u	182.0u	Yes
3	28	3.0u	195.0u	Yes
4	29	1.4u	214.0u	Yes
5	27	2.8u	195.0u	Yes
6	29	1.2u	179.0u	Yes
7	28	4.4u	179.0u	Yes
8	27	4.2u	213.0u	Yes
9	25	4.5u	181.0u	Yes
10	26	4.1u	210.0u	Yes
11	25	3.5u	170.0u	Yes
12	27	2.4u	228.0u	No
13	23	2.6u	163.0u	No
14	28	1.7u	193.0u	Yes
15	26	4.2u	162.0u	Yes
16	28	1.4u	210.0u	Yes
17	26	4.5u	218.0u	Yes
18	28	4.6u	186.0u	Yes
19	25	1.0u	218.0u	Yes
20	26	4.7u	171.0u	Yes
21	27	4.3u	161.0u	Yes
22	28	4.8u	186.0u	Yes
23	27	3.4u	178.0u	Yes
24	25	3.3u	216.0u	Yes
25	27	2.6u	209.0u	Yes
26	28	3.5u	151.0u	Yes
27	26	3.5u	156.0u	Yes
28	28	1.5u	222.0u	Yes
29	24	4.3u	186.0u	Yes
30	24	1.7u	227.0u	Yes

Detection Rate: 93.3 %



A D T

Highest Gain Antenna on 802.11a

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	7.9u	320.0u	Yes
2	17	9.4u	465.0u	Yes
3	17	8.6u	201.0u	Yes
4	17	7.1u	320.0u	Yes
5	18	6.3u	344.0u	Yes
6	16	7.8u	216.0u	Yes
7	17	6.3u	205.0u	Yes
8	18	7.6u	466.0u	Yes
9	18	6.1u	364.0u	Yes
10	16	7.1u	315.0u	Yes
11	17	6.4u	481.0u	Yes
12	17	7.7u	354.0u	Yes
13	17	6.2u	402.0u	Yes
14	17	8.8u	397.0u	Yes
15	17	9.6u	201.0u	Yes
16	17	7.5u	203.0u	Yes
17	17	6.4u	223.0u	Yes
18	17	9.4u	310.0u	Yes
19	16	6.7u	487.0u	Yes
20	17	10.0u	481.0u	Yes
21	17	6.9u	410.0u	Yes
22	17	6.4u	241.0u	Yes
23	17	8.7u	347.0u	Yes
24	16	7.7u	212.0u	Yes
25	18	7.5u	450.0u	Yes
26	17	8.2u	399.0u	Yes
27	17	7.7u	457.0u	Yes
28	17	8.2u	483.0u	Yes
29	16	8.5u	284.0u	Yes
30	17	6.9u	443.0u	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on 802.11a

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	14	17.2u	382.0u	Yes
2	13	18.7u	433.0u	Yes
3	14	13.8u	498.0u	Yes
4	15	14.9u	418.0u	Yes
5	12	18.7u	253.0u	Yes
6	12	15.9u	246.0u	Yes
7	14	15.7u	248.0u	Yes
8	14	12.2u	337.0u	Yes
9	16	19.6u	281.0u	Yes
10	14	13.8u	234.0u	Yes
11	13	11.5u	437.0u	Yes
12	14	13.6u	232.0u	Yes
13	13	11.3u	458.0u	Yes
14	15	18.6u	412.0u	Yes
15	14	19.0u	433.0u	Yes
16	15	17.3u	414.0u	Yes
17	13	18.9u	424.0u	Yes
18	15	19.7u	381.0u	Yes
19	14	16.4u	386.0u	Yes
20	12	14.6u	277.0u	Yes
21	15	11.6u	374.0u	No
22	15	18.4u	391.0u	Yes
23	13	12.3u	398.0u	Yes
24	15	12.3u	408.0u	Yes
25	13	19.5u	468.0u	No
26	15	18.5u	352.0u	Yes
27	15	12.7u	238.0u	Yes
28	13	11.0u	272.0u	Yes
29	15	16.6u	335.0u	Yes
30	12	18.4u	488.0u	Yes
				Detection Rate: 93.3 %



A D T

Highest Gain Antenna on 802.11a

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	HGA_LP_A_01	Yes
2	HGA_LP_A_02	Yes
3	HGA_LP_A_03	Yes
4	HGA_LP_A_04	Yes
5	HGA_LP_A_05	Yes
6	HGA_LP_A_06	Yes
7	HGA_LP_A_07	Yes
8	HGA_LP_A_08	Yes
9	HGA_LP_A_09	Yes
10	HGA_LP_A_10	Yes
11	HGA_LP_A_11	Yes
12	HGA_LP_A_12	Yes
13	HGA_LP_A_13	Yes
14	HGA_LP_A_14	Yes
15	HGA_LP_A_15	Yes
16	HGA_LP_A_16	Yes
17	HGA_LP_A_17	Yes
18	HGA_LP_A_18	Yes
19	HGA_LP_A_19	Yes
20	HGA_LP_A_20	Yes
21	HGA_LP_A_21	Yes
22	HGA_LP_A_22	Yes
23	HGA_LP_A_23	Yes
24	HGA_LP_A_24	Yes
25	HGA_LP_A_25	Yes
26	HGA_LP_A_26	Yes
27	HGA_LP_A_27	Yes
28	HGA_LP_A_28	Yes
29	HGA_LP_A_29	Yes
30	HGA_LP_A_30	Yes
		Detection Rate: 100 %

The Long Pulse Radar pattern shown in Annex B.1



A D T

Highest Gain Antenna on 802.11a

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on 802.11a

Type 6 Radar Statistical Performances

Trial #	Hopping Frequency Sequence Name	Detection
1	HGA_HOP_A_01	Yes
2	HGA_HOP_A_02	Yes
3	HGA_HOP_A_03	Yes
4	HGA_HOP_A_04	Yes
5	HGA_HOP_A_05	Yes
6	HGA_HOP_A_06	Yes
7	HGA_HOP_A_07	Yes
8	HGA_HOP_A_08	Yes
9	HGA_HOP_A_09	Yes
10	HGA_HOP_A_10	Yes
11	HGA_HOP_A_11	Yes
12	HGA_HOP_A_12	Yes
13	HGA_HOP_A_13	Yes
14	HGA_HOP_A_14	Yes
15	HGA_HOP_A_15	Yes
16	HGA_HOP_A_16	Yes
17	HGA_HOP_A_17	Yes
18	HGA_HOP_A_18	Yes
19	HGA_HOP_A_19	Yes
20	HGA_HOP_A_20	Yes
21	HGA_HOP_A_21	Yes
22	HGA_HOP_A_22	Yes
23	HGA_HOP_A_23	Yes
24	HGA_HOP_A_24	Yes
25	HGA_HOP_A_25	Yes
26	HGA_HOP_A_26	Yes
27	HGA_HOP_A_27	Yes
28	HGA_HOP_A_28	Yes
29	HGA_HOP_A_29	Yes
30	HGA_HOP_A_30	Yes

Detection Rate: 100.0 %

The Frequency Hopping Radar pattern shown in Annex B.2



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 2 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	25	5.0u	224.0u	Yes
2	24	3.6u	183.0u	Yes
3	26	1.7u	196.0u	Yes
4	29	4.4u	186.0u	Yes
5	25	4.5u	198.0u	Yes
6	27	3.4u	174.0u	Yes
7	27	1.5u	168.0u	Yes
8	25	2.2u	185.0u	Yes
9	24	2.5u	220.0u	Yes
10	29	3.0u	226.0u	No
11	26	2.4u	220.0u	Yes
12	28	3.6u	221.0u	Yes
13	27	3.4u	159.0u	Yes
14	29	1.7u	179.0u	Yes
15	27	4.2u	215.0u	Yes
16	28	4.7u	164.0u	Yes
17	27	4.2u	226.0u	Yes
18	26	1.5u	151.0u	Yes
19	25	3.9u	198.0u	Yes
20	23	1.8u	179.0u	No
21	26	3.0u	213.0u	Yes
22	23	4.5u	208.0u	Yes
23	26	3.6u	227.0u	Yes
24	26	2.2u	225.0u	Yes
25	27	2.3u	229.0u	Yes
26	29	3.1u	169.0u	Yes
27	24	2.8u	198.0u	Yes
28	29	3.2u	194.0u	Yes
29	25	1.7u	184.0u	Yes
30	25	5.0u	211.0u	Yes

Detection Rate: 93.3 %



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	7.7u	378.0u	Yes
2	18	7.5u	365.0u	Yes
3	17	8.3u	243.0u	Yes
4	17	9.1u	452.0u	Yes
5	18	8.1u	252.0u	Yes
6	17	6.1u	211.0u	Yes
7	17	7.9u	435.0u	Yes
8	17	9.1u	391.0u	Yes
9	18	7.0u	404.0u	Yes
10	17	9.0u	404.0u	No
11	18	9.1u	488.0u	Yes
12	17	8.2u	369.0u	Yes
13	17	6.9u	493.0u	Yes
14	18	8.9u	310.0u	Yes
15	16	8.8u	289.0u	Yes
16	18	7.0u	342.0u	Yes
17	18	6.8u	407.0u	Yes
18	17	8.1u	224.0u	Yes
19	16	8.9u	279.0u	Yes
20	18	9.1u	447.0u	Yes
21	18	9.4u	399.0u	Yes
22	17	6.8u	267.0u	Yes
23	16	6.5u	381.0u	Yes
24	16	9.5u	382.0u	Yes
25	18	8.8u	294.0u	Yes
26	17	6.8u	442.0u	Yes
27	17	8.0u	471.0u	Yes
28	17	6.3u	214.0u	Yes
29	17	6.4u	261.0u	Yes
30	16	9.0u	238.0u	Yes
				Detection Rate: 96.7 %



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 4 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	15	14.6u	426.0u	Yes
2	14	19.7u	456.0u	Yes
3	13	16.9u	400.0u	Yes
4	14	12.4u	230.0u	Yes
5	13	19.8u	422.0u	Yes
6	12	18.9u	257.0u	Yes
7	13	16.9u	347.0u	Yes
8	15	14.0u	304.0u	Yes
9	16	15.2u	486.0u	Yes
10	14	13.0u	254.0u	Yes
11	12	14.5u	304.0u	Yes
12	13	19.6u	303.0u	Yes
13	16	12.3u	249.0u	No
14	15	18.3u	378.0u	Yes
15	13	13.2u	321.0u	Yes
16	13	15.2u	319.0u	Yes
17	16	19.2u	266.0u	Yes
18	15	16.5u	350.0u	Yes
19	12	17.2u	483.0u	Yes
20	14	16.0u	298.0u	Yes
21	12	14.5u	336.0u	Yes
22	12	14.1u	491.0u	Yes
23	14	19.0u	420.0u	Yes
24	14	14.1u	298.0u	Yes
25	13	13.1u	243.0u	Yes
26	12	17.9u	491.0u	Yes
27	16	17.0u	480.0u	Yes
28	15	14.1u	478.0u	Yes
29	13	18.9u	298.0u	Yes
30	15	18.2u	278.0u	Yes

Detection Rate: 96.7 %



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 5 Radar Statistical Performances

Trial #	Test Signal Name	Detection
1	HGA_LP_HT20_01	Yes
2	HGA_LP_HT20_02	Yes
3	HGA_LP_HT20_03	Yes
4	HGA_LP_HT20_04	Yes
5	HGA_LP_HT20_05	Yes
6	HGA_LP_HT20_06	Yes
7	HGA_LP_HT20_07	Yes
8	HGA_LP_HT20_08	Yes
9	HGA_LP_HT20_09	Yes
10	HGA_LP_HT20_10	Yes
11	HGA_LP_HT20_11	Yes
12	HGA_LP_HT20_12	Yes
13	HGA_LP_HT20_13	Yes
14	HGA_LP_HT20_14	Yes
15	HGA_LP_HT20_15	Yes
16	HGA_LP_HT20_16	Yes
17	HGA_LP_HT20_17	Yes
18	HGA_LP_HT20_18	Yes
19	HGA_LP_HT20_19	Yes
20	HGA_LP_HT20_20	Yes
21	HGA_LP_HT20_21	Yes
22	HGA_LP_HT20_22	Yes
23	HGA_LP_HT20_23	Yes
24	HGA_LP_HT20_24	Yes
25	HGA_LP_HT20_25	Yes
26	HGA_LP_HT20_26	Yes
27	HGA_LP_HT20_27	Yes
28	HGA_LP_HT20_28	Yes
29	HGA_LP_HT20_29	Yes
30	HGA_LP_HT20_30	Yes

Detection Rate: 100.0 %

The Long Pulse Radar pattern shown in Annex B.1



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on Draft 802.11n HT20

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	HGA_HOP_HT20_01	Yes
2	HGA_HOP_HT20_02	Yes
3	HGA_HOP_HT20_03	Yes
4	HGA_HOP_HT20_04	Yes
5	HGA_HOP_HT20_05	Yes
6	HGA_HOP_HT20_06	Yes
7	HGA_HOP_HT20_07	Yes
8	HGA_HOP_HT20_08	Yes
9	HGA_HOP_HT20_09	Yes
10	HGA_HOP_HT20_10	Yes
11	HGA_HOP_HT20_11	Yes
12	HGA_HOP_HT20_12	Yes
13	HGA_HOP_HT20_13	Yes
14	HGA_HOP_HT20_14	Yes
15	HGA_HOP_HT20_15	Yes
16	HGA_HOP_HT20_16	Yes
17	HGA_HOP_HT20_17	Yes
18	HGA_HOP_HT20_18	Yes
19	HGA_HOP_HT20_19	Yes
20	HGA_HOP_HT20_20	Yes
21	HGA_HOP_HT20_21	Yes
22	HGA_HOP_HT20_22	Yes
23	HGA_HOP_HT20_23	Yes
24	HGA_HOP_HT20_24	Yes
25	HGA_HOP_HT20_25	Yes
26	HGA_HOP_HT20_26	Yes
27	HGA_HOP_HT20_27	Yes
28	HGA_HOP_HT20_28	Yes
29	HGA_HOP_HT20_29	Yes
30	HGA_HOP_HT20_30	Yes
		Detection Rate: 100.0 %

The Frequency Hopping Radar pattern shown in Annex B.2



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	27	4.2u	193.0u	Yes
2	28	3.8u	212.0u	Yes
3	25	1.1u	223.0u	Yes
4	26	1.3u	182.0u	Yes
5	25	2.6u	197.0u	Yes
6	27	4.5u	151.0u	Yes
7	23	1.8u	191.0u	Yes
8	29	3.7u	178.0u	Yes
9	26	3.9u	201.0u	Yes
10	26	4.3u	179.0u	Yes
11	27	3.0u	186.0u	Yes
12	25	2.7u	223.0u	Yes
13	24	3.6u	223.0u	Yes
14	23	2.2u	176.0u	Yes
15	26	1.5u	203.0u	Yes
16	27	2.7u	151.0u	Yes
17	24	4.9u	181.0u	Yes
18	25	1.6u	225.0u	Yes
19	27	4.9u	211.0u	Yes
20	26	3.8u	228.0u	Yes
21	28	3.5u	160.0u	Yes
22	28	4.8u	203.0u	Yes
23	27	2.9u	162.0u	Yes
24	28	3.1u	191.0u	Yes
25	28	1.9u	162.0u	Yes
26	24	4.2u	227.0u	Yes
27	24	2.5u	160.0u	Yes
28	25	4.2u	172.0u	Yes
29	27	2.5u	156.0u	Yes
30	23	1.2u	207.0u	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 3 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	8.5u	362.0u	Yes
2	17	7.9u	322.0u	Yes
3	16	7.6u	429.0u	Yes
4	18	8.1u	338.0u	Yes
5	16	6.4u	360.0u	Yes
6	17	6.0u	299.0u	Yes
7	17	6.2u	331.0u	Yes
8	17	9.8u	215.0u	Yes
9	16	7.5u	365.0u	Yes
10	18	6.9u	219.0u	Yes
11	18	6.7u	248.0u	Yes
12	17	7.0u	387.0u	Yes
13	16	6.6u	425.0u	Yes
14	16	9.1u	208.0u	Yes
15	18	6.6u	479.0u	Yes
16	18	9.5u	301.0u	Yes
17	16	6.1u	443.0u	Yes
18	17	9.9u	476.0u	Yes
19	18	7.7u	280.0u	Yes
20	17	8.1u	413.0u	Yes
21	16	6.3u	446.0u	Yes
22	16	9.3u	429.0u	Yes
23	17	8.5u	399.0u	Yes
24	17	6.6u	307.0u	Yes
25	17	7.7u	466.0u	Yes
26	18	8.6u	297.0u	Yes
27	18	8.1u	209.0u	Yes
28	16	6.4u	307.0u	Yes
29	18	8.4u	418.0u	Yes
30	16	9.8u	484.0u	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 4 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	13	12.5u	292.0u	Yes
2	12	12.9u	320.0u	Yes
3	13	17.3u	426.0u	Yes
4	14	19.6u	366.0u	Yes
5	15	14.2u	438.0u	No
6	14	18.0u	469.0u	Yes
7	15	15.2u	276.0u	Yes
8	13	19.5u	371.0u	Yes
9	13	18.3u	206.0u	Yes
10	16	14.4u	466.0u	Yes
11	16	12.0u	234.0u	Yes
12	14	11.8u	433.0u	Yes
13	16	15.7u	432.0u	Yes
14	16	16.0u	292.0u	Yes
15	14	12.4u	272.0u	Yes
16	13	17.1u	358.0u	Yes
17	14	12.3u	457.0u	Yes
18	14	16.3u	252.0u	Yes
19	15	15.4u	274.0u	Yes
20	14	11.3u	387.0u	Yes
21	15	18.8u	263.0u	Yes
22	13	15.5u	492.0u	Yes
23	15	14.3u	454.0u	Yes
24	13	19.1u	303.0u	Yes
25	15	16.1u	412.0u	Yes
26	14	19.9u	214.0u	Yes
27	15	12.2u	308.0u	Yes
28	15	14.5u	269.0u	Yes
29	13	15.1u	267.0u	Yes
30	13	16.9u	387.0u	Yes

Detection Rate: 96.7 %



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 5 Radar Statistical Performances

Trial #	Test Signal Name	Detection
1	HGA_LP_HT40_01	Yes
2	HGA_LP_HT40_02	Yes
3	HGA_LP_HT40_03	Yes
4	HGA_LP_HT40_04	Yes
5	HGA_LP_HT40_05	Yes
6	HGA_LP_HT40_06	Yes
7	HGA_LP_HT40_07	Yes
8	HGA_LP_HT40_08	Yes
9	HGA_LP_HT40_09	Yes
10	HGA_LP_HT40_10	Yes
11	HGA_LP_HT40_11	Yes
12	HGA_LP_HT40_12	Yes
13	HGA_LP_HT40_13	Yes
14	HGA_LP_HT40_14	Yes
15	HGA_LP_HT40_15	Yes
16	HGA_LP_HT40_16	Yes
17	HGA_LP_HT40_17	Yes
18	HGA_LP_HT40_18	Yes
19	HGA_LP_HT40_19	Yes
20	HGA_LP_HT40_20	Yes
21	HGA_LP_HT40_21	Yes
22	HGA_LP_HT40_22	Yes
23	HGA_LP_HT40_23	Yes
24	HGA_LP_HT40_24	Yes
25	HGA_LP_HT40_25	Yes
26	HGA_LP_HT40_26	Yes
27	HGA_LP_HT40_27	Yes
28	HGA_LP_HT40_28	Yes
29	HGA_LP_HT40_29	Yes
30	HGA_LP_HT40_30	Yes

Detection Rate: 100.0 %

The Long Pulse Radar pattern shown in Annex B.1



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 100.0 %



A D T

Highest Gain Antenna on Draft 802.11n HT40

Type 6 Radar Statistical Performances

Trial #	Hopping Frequency Sequence Name	Detection
1	HGA_HOP_HT40_01	Yes
2	HGA_HOP_HT40_02	Yes
3	HGA_HOP_HT40_03	Yes
4	HGA_HOP_HT40_04	Yes
5	HGA_HOP_HT40_05	Yes
6	HGA_HOP_HT40_06	Yes
7	HGA_HOP_HT40_07	Yes
8	HGA_HOP_HT40_08	Yes
9	HGA_HOP_HT40_09	Yes
10	HGA_HOP_HT40_10	Yes
11	HGA_HOP_HT40_11	Yes
12	HGA_HOP_HT40_12	Yes
13	HGA_HOP_HT40_13	Yes
14	HGA_HOP_HT40_14	Yes
15	HGA_HOP_HT40_15	Yes
16	HGA_HOP_HT40_16	Yes
17	HGA_HOP_HT40_17	Yes
18	HGA_HOP_HT40_18	Yes
19	HGA_HOP_HT40_19	Yes
20	HGA_HOP_HT40_20	Yes
21	HGA_HOP_HT40_21	Yes
22	HGA_HOP_HT40_22	Yes
23	HGA_HOP_HT40_23	Yes
24	HGA_HOP_HT40_24	Yes
25	HGA_HOP_HT40_25	Yes
26	HGA_HOP_HT40_26	Yes
27	HGA_HOP_HT40_27	Yes
28	HGA_HOP_HT40_28	Yes
29	HGA_HOP_HT40_29	Yes
30	HGA_HOP_HT40_30	Yes

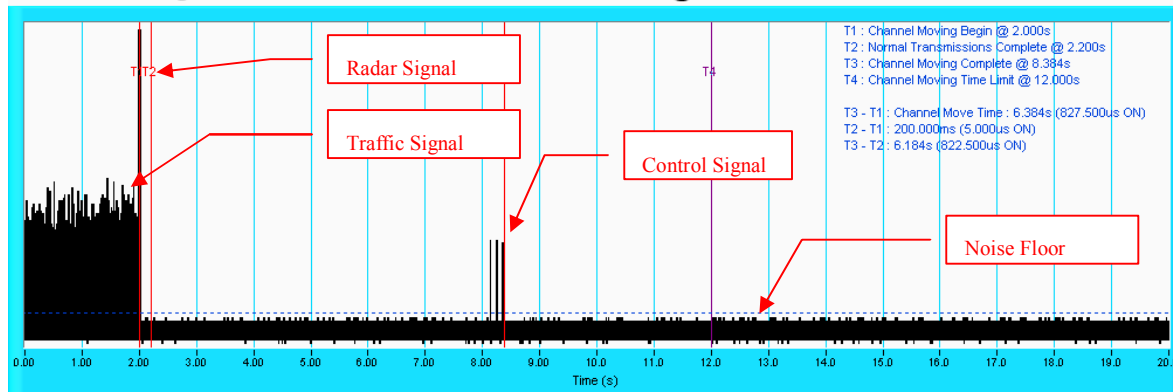
Detection Rate: 100.0 %

The Frequency Hopping Radar pattern shown in Annex B.2

Lowest Gain Antenna

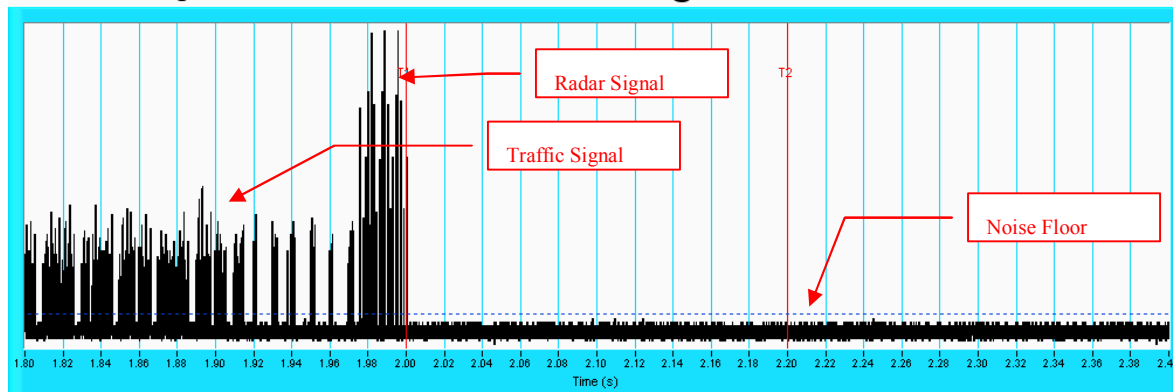
Radar signal 1

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

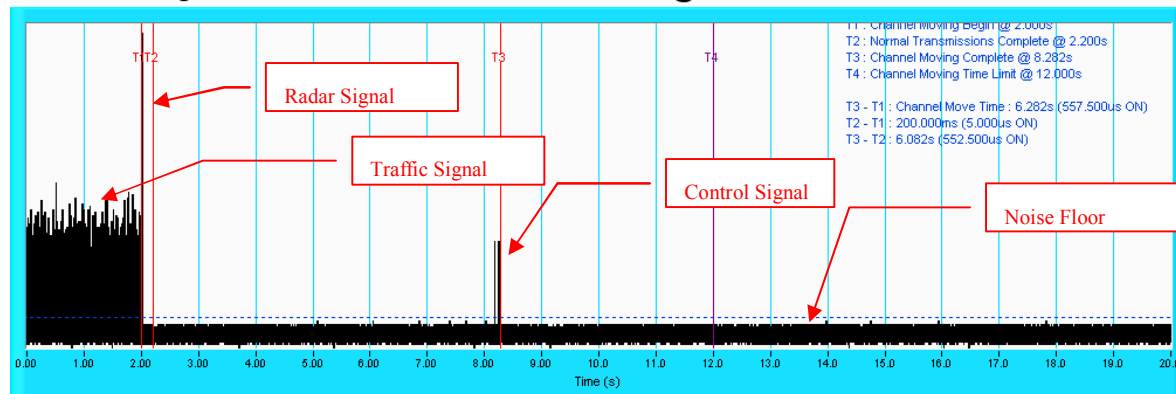
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

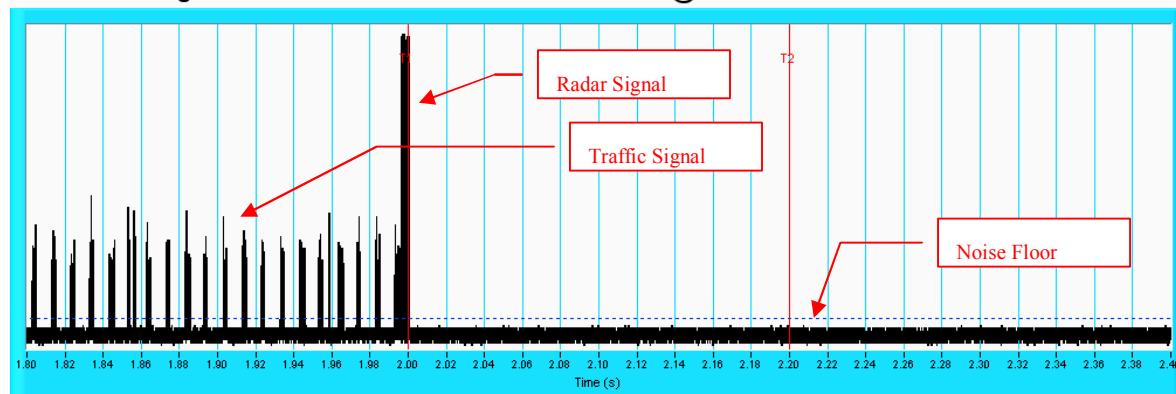
Radar signal 2

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

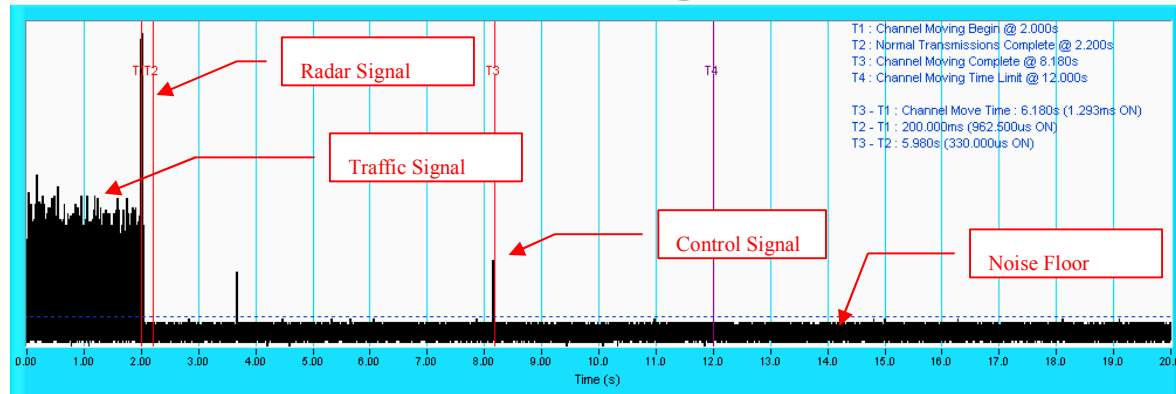
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

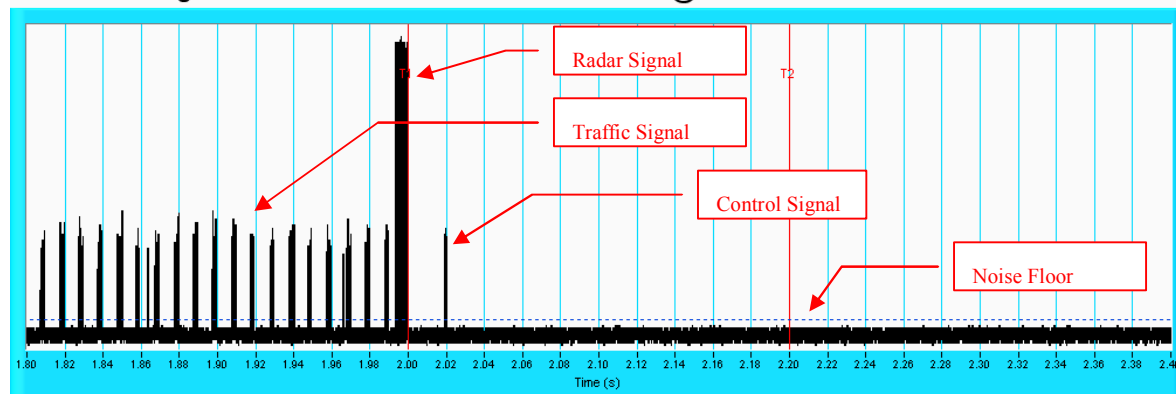
Radar signal 3

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

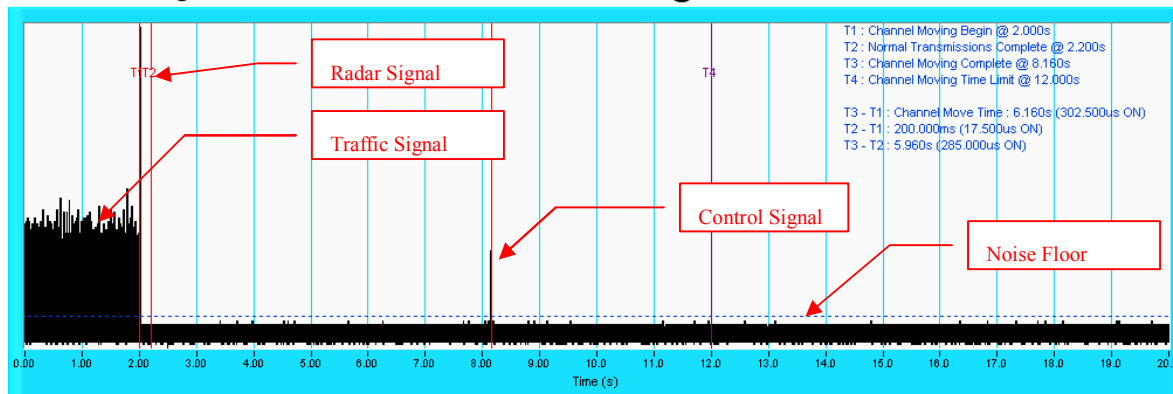
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

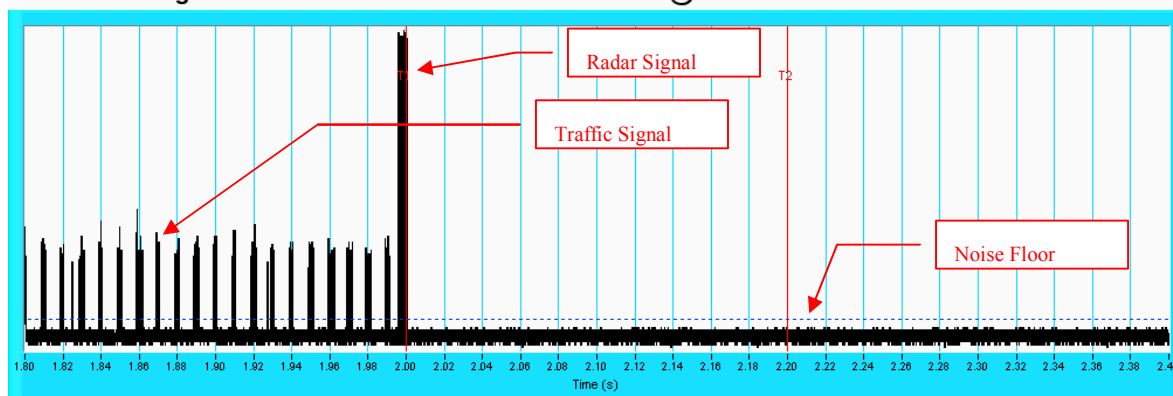
Radar signal 4

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

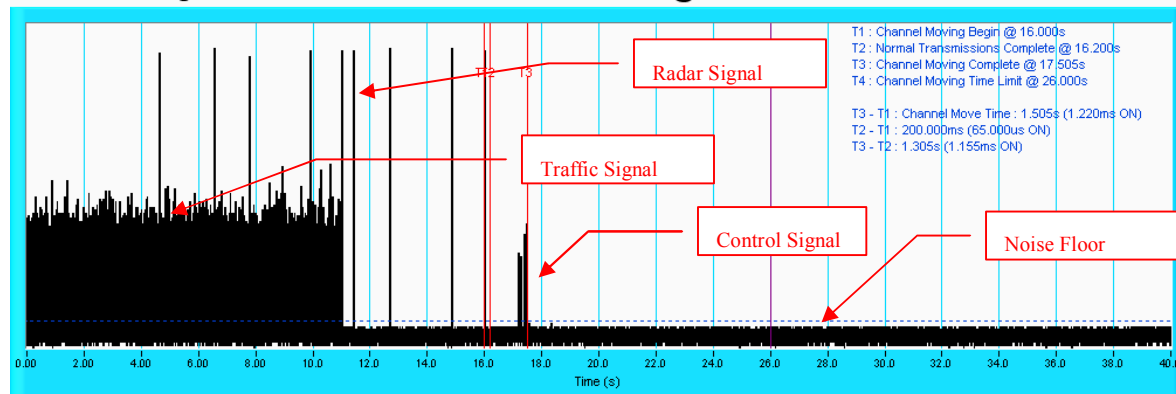
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

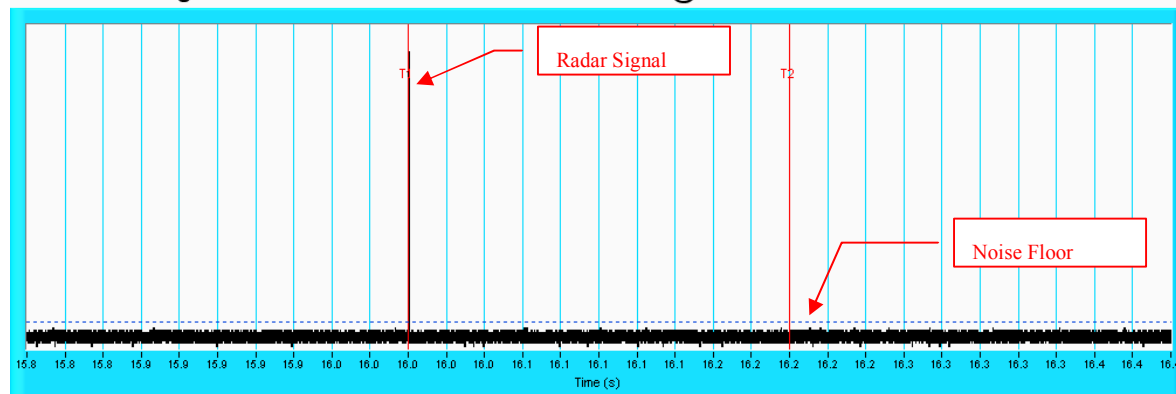
Radar signal 5

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

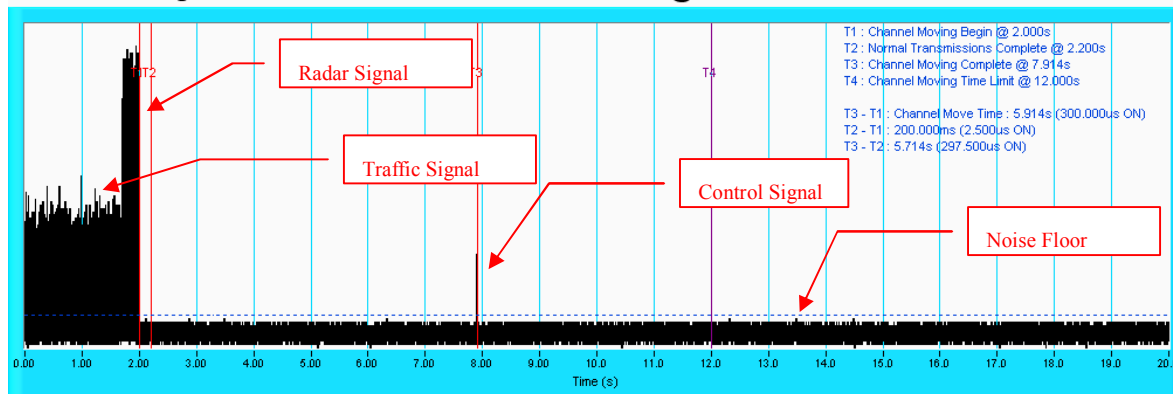
Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.

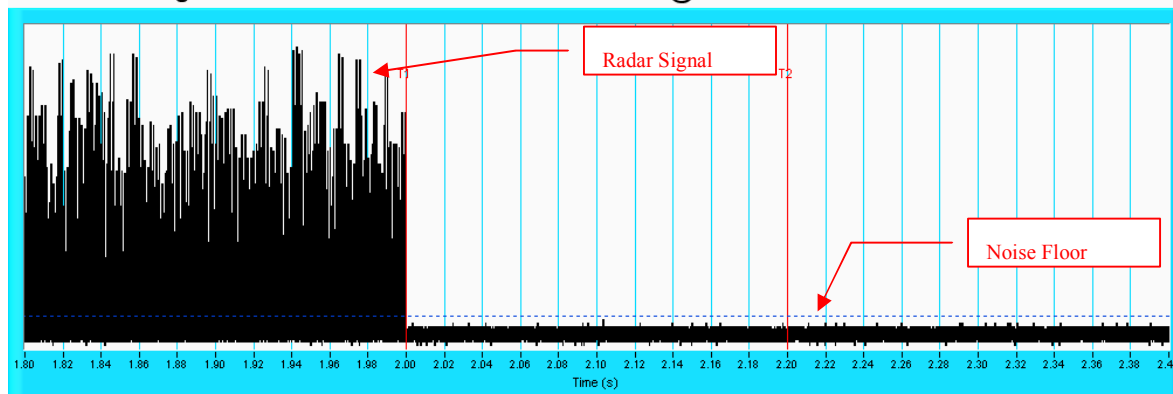
Radar signal 6

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T3 denotes the end of Channel Move Time. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: An expanded plot for the device vacates the channel in the required 200ms.



A D T

Lowest Gain Antenna on 802.11a

Type 1 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes

Detection Rate: 100.0 %



A D T

Lowest Gain Antenna on 802.11a

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	25	2.9u	167.0u	Yes
2	26	4.7u	222.0u	Yes
3	26	3.2u	212.0u	Yes
4	23	4.1u	175.0u	Yes
5	27	2.9u	190.0u	Yes
6	28	3.3u	220.0u	No
7	26	4.4u	170.0u	Yes
8	24	3.4u	155.0u	Yes
9	25	1.9u	206.0u	Yes
10	25	4.1u	157.0u	Yes
11	28	2.6u	198.0u	Yes
12	25	2.3u	228.0u	Yes
13	25	2.3u	150.0u	Yes
14	23	2.4u	151.0u	Yes
15	28	4.8u	188.0u	Yes
16	24	3.4u	171.0u	Yes
17	24	3.2u	191.0u	Yes
18	27	1.1u	203.0u	Yes
19	27	3.6u	227.0u	Yes
20	25	1.7u	179.0u	Yes
21	26	4.1u	193.0u	Yes
22	25	2.8u	184.0u	Yes
23	24	2.2u	150.0u	Yes
24	28	5.0u	223.0u	Yes
25	25	4.0u	215.0u	Yes
26	23	2.0u	198.0u	Yes
27	29	2.9u	190.0u	Yes
28	26	2.6u	206.0u	No
29	26	2.3u	184.0u	Yes
30	25	4.2u	166.0u	Yes
				Detection Rate: 93.3 %



A D T

Lowest Gain Antenna on 802.11a

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	6.9u	409.0u	Yes
2	18	8.2u	466.0u	Yes
3	17	6.9u	223.0u	Yes
4	17	7.4u	240.0u	Yes
5	18	6.0u	391.0u	Yes
6	17	8.3u	251.0u	Yes
7	17	9.5u	456.0u	Yes
8	16	6.8u	337.0u	Yes
9	18	7.3u	365.0u	Yes
10	17	9.6u	484.0u	Yes
11	17	8.5u	219.0u	Yes
12	17	7.1u	488.0u	Yes
13	17	9.9u	482.0u	Yes
14	17	8.5u	250.0u	Yes
15	16	6.6u	300.0u	Yes
16	17	6.5u	231.0u	Yes
17	16	6.5u	304.0u	No
18	18	6.2u	417.0u	Yes
19	16	6.8u	218.0u	Yes
20	16	7.7u	314.0u	Yes
21	16	9.7u	248.0u	Yes
22	16	6.3u	356.0u	Yes
23	16	6.1u	294.0u	Yes
24	16	7.5u	412.0u	Yes
25	17	8.5u	282.0u	Yes
26	17	9.1u	210.0u	Yes
27	16	9.2u	356.0u	Yes
28	17	6.9u	248.0u	Yes
29	16	8.2u	359.0u	Yes
30	17	7.5u	218.0u	Yes
				Detection Rate: 96.7 %



A D T

Lowest Gain Antenna on 802.11a

Type 4 Radar Statistical Performances

Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	16	19.7u	237.0u	Yes
2	16	11.1u	435.0u	Yes
3	15	19.7u	435.0u	No
4	12	12.3u	495.0u	Yes
5	13	18.6u	492.0u	Yes
6	13	16.7u	240.0u	Yes
7	12	19.0u	368.0u	Yes
8	15	17.2u	361.0u	Yes
9	14	17.7u	333.0u	Yes
10	16	17.0u	245.0u	Yes
11	13	14.3u	320.0u	Yes
12	12	13.2u	497.0u	Yes
13	16	11.8u	401.0u	Yes
14	14	16.2u	389.0u	Yes
15	15	18.0u	493.0u	Yes
16	13	14.8u	459.0u	No
17	16	16.7u	437.0u	Yes
18	12	16.3u	434.0u	Yes
19	15	18.8u	472.0u	Yes
20	12	19.6u	237.0u	Yes
21	13	14.1u	247.0u	Yes
22	14	19.4u	469.0u	Yes
23	12	15.0u	421.0u	Yes
24	13	20.0u	272.0u	Yes
25	12	16.1u	448.0u	Yes
26	16	17.1u	467.0u	Yes
27	16	17.6u	418.0u	Yes
28	13	17.1u	310.0u	Yes
29	14	19.8u	236.0u	Yes
30	12	11.1u	454.0u	Yes

Detection Rate: 93.3 %



A D T

Lowest Gain Antenna on 802.11a

Type 5 Radar Statistical Performances

Trial #	Test Signal Name	Detection
1	LGA_LP_A_01	Yes
2	LGA_LP_A_02	Yes
3	LGA_LP_A_03	Yes
4	LGA_LP_A_04	Yes
5	LGA_LP_A_05	Yes
6	LGA_LP_A_06	Yes
7	LGA_LP_A_07	Yes
8	LGA_LP_A_08	Yes
9	LGA_LP_A_09	Yes
10	LGA_LP_A_10	No
11	LGA_LP_A_11	Yes
12	LGA_LP_A_12	Yes
13	LGA_LP_A_13	Yes
14	LGA_LP_A_14	Yes
15	LGA_LP_A_15	Yes
16	LGA_LP_A_16	Yes
17	LGA_LP_A_17	Yes
18	LGA_LP_A_18	Yes
19	LGA_LP_A_19	Yes
20	LGA_LP_A_20	Yes
21	LGA_LP_A_21	Yes
22	LGA_LP_A_22	Yes
23	LGA_LP_A_23	Yes
24	LGA_LP_A_24	Yes
25	LGA_LP_A_25	Yes
26	LGA_LP_A_26	Yes
27	LGA_LP_A_27	Yes
28	LGA_LP_A_28	Yes
29	LGA_LP_A_29	Yes
30	LGA_LP_A_30	Yes

Detection Rate: 96.7 %

The Long Pulse Radar pattern shown in Annex B.1



A D T

Lowest Gain Antenna on 802.11a

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 100.0 %



A D T

Lowest Gain Antenna on 802.11a

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	LGA_HOP_A_01	Yes
2	LGA_HOP_A_02	Yes
3	LGA_HOP_A_03	Yes
4	LGA_HOP_A_04	Yes
5	LGA_HOP_A_05	Yes
6	LGA_HOP_A_06	Yes
7	LGA_HOP_A_07	Yes
8	LGA_HOP_A_08	Yes
9	LGA_HOP_A_09	Yes
10	LGA_HOP_A_10	Yes
11	LGA_HOP_A_11	Yes
12	LGA_HOP_A_12	Yes
13	LGA_HOP_A_13	Yes
14	LGA_HOP_A_14	Yes
15	LGA_HOP_A_15	Yes
16	LGA_HOP_A_16	Yes
17	LGA_HOP_A_17	Yes
18	LGA_HOP_A_18	Yes
19	LGA_HOP_A_19	Yes
20	LGA_HOP_A_20	Yes
21	LGA_HOP_A_21	Yes
22	LGA_HOP_A_22	Yes
23	LGA_HOP_A_23	Yes
24	LGA_HOP_A_24	Yes
25	LGA_HOP_A_25	Yes
26	LGA_HOP_A_26	Yes
27	LGA_HOP_A_27	Yes
28	LGA_HOP_A_28	Yes
29	LGA_HOP_A_29	Yes
30	LGA_HOP_A_30	Yes
		Detection Rate: 100.0 %

The Frequency Hopping Radar pattern shown in Annex B.2



A D T

Lowest Gain Antenna on Draft 802.11n HT20

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 100.0 %



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Lowest Gain Antenna on Draft 802.11n HT20

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	28	1.7u	195.0u	Yes
2	29	3.6u	215.0u	Yes
3	27	3.3u	195.0u	Yes
4	27	2.8u	216.0u	Yes
5	26	3.9u	187.0u	Yes
6	24	4.0u	229.0u	Yes
7	27	4.7u	218.0u	Yes
8	29	4.9u	211.0u	Yes
9	24	1.1u	201.0u	Yes
10	25	4.5u	221.0u	Yes
11	28	2.6u	215.0u	Yes
12	26	3.4u	204.0u	Yes
13	27	4.9u	186.0u	Yes
14	24	2.7u	170.0u	Yes
15	23	1.6u	219.0u	Yes
16	27	2.0u	205.0u	Yes
17	25	2.4u	187.0u	Yes
18	29	2.2u	187.0u	Yes
19	25	4.5u	159.0u	Yes
20	26	2.6u	171.0u	Yes
21	28	4.8u	156.0u	Yes
22	23	3.7u	209.0u	Yes
23	25	4.7u	210.0u	Yes
24	24	1.6u	208.0u	Yes
25	25	2.1u	155.0u	Yes
26	24	3.8u	214.0u	Yes
27	28	3.3u	201.0u	Yes
28	27	1.3u	214.0u	Yes
29	27	2.9u	202.0u	Yes
30	27	1.5u	202.0u	Yes
				Detection Rate: 100.0 %



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Lowest Gain Antenna on Draft 802.11n HT20

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	9.9u	439.0u	Yes
2	18	9.5u	404.0u	Yes
3	16	7.9u	270.0u	Yes
4	16	9.6u	464.0u	Yes
5	16	7.9u	404.0u	Yes
6	16	9.2u	375.0u	Yes
7	17	7.2u	280.0u	Yes
8	18	9.9u	246.0u	Yes
9	17	8.9u	331.0u	Yes
10	17	9.9u	414.0u	Yes
11	17	9.3u	343.0u	Yes
12	17	7.5u	406.0u	Yes
13	18	8.7u	278.0u	Yes
14	17	8.2u	350.0u	Yes
15	17	6.9u	222.0u	Yes
16	17	8.9u	358.0u	Yes
17	16	7.6u	305.0u	No
18	16	9.3u	275.0u	Yes
19	17	8.5u	446.0u	Yes
20	17	6.1u	386.0u	Yes
21	17	9.2u	249.0u	Yes
22	17	9.0u	265.0u	Yes
23	16	7.4u	473.0u	Yes
24	18	7.0u	257.0u	Yes
25	16	9.8u	333.0u	Yes
26	18	6.7u	244.0u	Yes
27	17	6.8u	279.0u	Yes
28	16	7.5u	469.0u	Yes
29	18	9.4u	203.0u	No
30	17	6.6u	234.0u	Yes
				Detection Rate: 93.3 %



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Lowest Gain Antenna on Draft 802.11n HT20

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	13	14.5u	320.0u	Yes
2	14	16.6u	222.0u	No
3	15	14.7u	454.0u	Yes
4	12	18.9u	460.0u	Yes
5	15	14.9u	365.0u	Yes
6	16	17.0u	497.0u	Yes
7	13	18.1u	227.0u	Yes
8	12	13.8u	274.0u	Yes
9	16	11.1u	308.0u	Yes
10	16	11.6u	361.0u	Yes
11	16	14.9u	406.0u	Yes
12	13	15.8u	463.0u	Yes
13	12	12.7u	455.0u	Yes
14	14	18.0u	433.0u	Yes
15	13	15.0u	320.0u	Yes
16	14	12.2u	371.0u	Yes
17	12	14.8u	471.0u	Yes
18	13	17.9u	208.0u	Yes
19	13	18.5u	235.0u	Yes
20	13	15.9u	307.0u	Yes
21	13	17.9u	361.0u	Yes
22	15	15.2u	421.0u	Yes
23	14	17.0u	477.0u	Yes
24	15	11.4u	495.0u	Yes
25	12	17.1u	390.0u	Yes
26	12	19.7u	238.0u	Yes
27	14	12.6u	420.0u	Yes
28	15	16.3u	480.0u	Yes
29	15	13.6u	438.0u	Yes
30	13	14.8u	226.0u	Yes
				Detection Rate: 96.7 %



Lowest Gain Antenna on Draft 802.11n HT20

Type 5 Radar Statistical Performances		
Trial #	Test Signal Name	Detection
1	LGA_LP_HT20_01	Yes
2	LGA_LP_HT20_02	Yes
3	LGA_LP_HT20_03	Yes
4	LGA_LP_HT20_04	Yes
5	LGA_LP_HT20_05	Yes
6	LGA_LP_HT20_06	Yes
7	LGA_LP_HT20_07	Yes
8	LGA_LP_HT20_08	Yes
9	LGA_LP_HT20_09	Yes
10	LGA_LP_HT20_10	Yes
11	LGA_LP_HT20_11	No
12	LGA_LP_HT20_12	No
13	LGA_LP_HT20_13	Yes
14	LGA_LP_HT20_14	Yes
15	LGA_LP_HT20_15	Yes
16	LGA_LP_HT20_16	Yes
17	LGA_LP_HT20_17	Yes
18	LGA_LP_HT20_18	Yes
19	LGA_LP_HT20_19	Yes
20	LGA_LP_HT20_20	No
21	LGA_LP_HT20_21	Yes
22	LGA_LP_HT20_22	Yes
23	LGA_LP_HT20_23	Yes
24	LGA_LP_HT20_24	Yes
25	LGA_LP_HT20_25	Yes
26	LGA_LP_HT20_26	Yes
27	LGA_LP_HT20_27	Yes
28	LGA_LP_HT20_28	Yes
29	LGA_LP_HT20_29	Yes
30	LGA_LP_HT20_30	Yes
		Detection Rate: 90.0 %

The Long Pulse Radar pattern shown in Annex B.1



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Lowest Gain Antenna on Draft 802.11n HT20

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 100.0 %



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Lowest Gain Antenna on Draft 802.11n HT20

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	LGA_HOP_HT20_01	Yes
2	LGA_HOP_HT20_02	Yes
3	LGA_HOP_HT20_03	Yes
4	LGA_HOP_HT20_04	Yes
5	LGA_HOP_HT20_05	Yes
6	LGA_HOP_HT20_06	Yes
7	LGA_HOP_HT20_07	Yes
8	LGA_HOP_HT20_08	Yes
9	LGA_HOP_HT20_09	Yes
10	LGA_HOP_HT20_10	Yes
11	LGA_HOP_HT20_11	Yes
12	LGA_HOP_HT20_12	Yes
13	LGA_HOP_HT20_13	Yes
14	LGA_HOP_HT20_14	Yes
15	LGA_HOP_HT20_15	Yes
16	LGA_HOP_HT20_16	Yes
17	LGA_HOP_HT20_17	Yes
18	LGA_HOP_HT20_18	Yes
19	LGA_HOP_HT20_19	Yes
20	LGA_HOP_HT20_20	Yes
21	LGA_HOP_HT20_21	Yes
22	LGA_HOP_HT20_22	Yes
23	LGA_HOP_HT20_23	Yes
24	LGA_HOP_HT20_24	Yes
25	LGA_HOP_HT20_25	Yes
26	LGA_HOP_HT20_26	Yes
27	LGA_HOP_HT20_27	Yes
28	LGA_HOP_HT20_28	Yes
29	LGA_HOP_HT20_29	Yes
30	LGA_HOP_HT20_30	Yes
		Detection Rate: 100.0 %

The Frequency Hopping Radar pattern shown in Annex B.2



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Lowest Gain Antenna on Draft 802.11n HT40

Type 1 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	18	1.0u	1.428m	Yes
2	18	1.0u	1.428m	Yes
3	18	1.0u	1.428m	Yes
4	18	1.0u	1.428m	Yes
5	18	1.0u	1.428m	Yes
6	18	1.0u	1.428m	Yes
7	18	1.0u	1.428m	Yes
8	18	1.0u	1.428m	Yes
9	18	1.0u	1.428m	Yes
10	18	1.0u	1.428m	Yes
11	18	1.0u	1.428m	Yes
12	18	1.0u	1.428m	Yes
13	18	1.0u	1.428m	Yes
14	18	1.0u	1.428m	Yes
15	18	1.0u	1.428m	Yes
16	18	1.0u	1.428m	Yes
17	18	1.0u	1.428m	Yes
18	18	1.0u	1.428m	Yes
19	18	1.0u	1.428m	Yes
20	18	1.0u	1.428m	Yes
21	18	1.0u	1.428m	Yes
22	18	1.0u	1.428m	Yes
23	18	1.0u	1.428m	Yes
24	18	1.0u	1.428m	Yes
25	18	1.0u	1.428m	Yes
26	18	1.0u	1.428m	Yes
27	18	1.0u	1.428m	Yes
28	18	1.0u	1.428m	Yes
29	18	1.0u	1.428m	Yes
30	18	1.0u	1.428m	Yes
				Detection Rate: 100.0 %



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Lowest Gain Antenna on Draft 802.11n HT40

Type 2 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	28	2.5u	215.0u	Yes
2	29	3.5u	157.0u	Yes
3	26	1.9u	156.0u	Yes
4	26	1.6u	210.0u	Yes
5	29	1.1u	181.0u	Yes
6	26	1.0u	167.0u	Yes
7	26	1.9u	224.0u	Yes
8	27	2.7u	191.0u	Yes
9	24	4.2u	219.0u	Yes
10	24	2.0u	172.0u	No
11	23	4.7u	204.0u	Yes
12	28	3.5u	163.0u	Yes
13	28	4.0u	223.0u	Yes
14	24	2.9u	194.0u	Yes
15	24	1.9u	193.0u	Yes
16	26	4.3u	170.0u	Yes
17	24	3.7u	178.0u	Yes
18	27	4.7u	221.0u	Yes
19	29	3.7u	220.0u	Yes
20	25	4.5u	177.0u	Yes
21	24	1.6u	163.0u	Yes
22	26	4.4u	201.0u	Yes
23	25	1.3u	191.0u	Yes
24	27	4.0u	203.0u	Yes
25	25	2.7u	224.0u	Yes
26	26	2.5u	214.0u	Yes
27	26	4.2u	167.0u	Yes
28	27	4.9u	169.0u	Yes
29	25	2.9u	168.0u	Yes
30	23	1.7u	199.0u	Yes
				Detection Rate: 96.7 %



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Lowest Gain Antenna on Draft 802.11n HT40

Type 3 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	17	7.6u	242.0u	Yes
2	17	9.6u	499.0u	Yes
3	18	6.5u	271.0u	Yes
4	16	6.7u	314.0u	Yes
5	17	7.3u	486.0u	Yes
6	16	7.3u	283.0u	Yes
7	18	8.4u	208.0u	Yes
8	17	7.3u	208.0u	Yes
9	16	9.0u	289.0u	Yes
10	18	7.0u	414.0u	Yes
11	17	6.6u	270.0u	Yes
12	17	7.1u	213.0u	Yes
13	17	6.6u	428.0u	Yes
14	18	7.5u	385.0u	Yes
15	16	6.3u	416.0u	Yes
16	16	6.1u	500.0u	Yes
17	16	8.4u	485.0u	Yes
18	17	7.4u	365.0u	Yes
19	16	7.8u	382.0u	Yes
20	16	8.1u	271.0u	Yes
21	17	6.5u	369.0u	Yes
22	18	7.2u	237.0u	Yes
23	17	8.2u	385.0u	Yes
24	16	8.1u	300.0u	Yes
25	17	8.9u	260.0u	Yes
26	18	8.3u	399.0u	Yes
27	16	7.4u	214.0u	Yes
28	16	6.5u	212.0u	Yes
29	18	10.0u	261.0u	Yes
30	17	9.5u	451.0u	Yes
				Detection Rate: 100.0 %



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Lowest Gain Antenna on Draft 802.11n HT40

Type 4 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	15	14.5u	243.0u	Yes
2	12	17.5u	266.0u	Yes
3	13	17.4u	344.0u	Yes
4	13	14.2u	212.0u	Yes
5	16	17.2u	369.0u	Yes
6	15	19.1u	413.0u	Yes
7	14	11.6u	286.0u	Yes
8	16	14.8u	216.0u	Yes
9	16	17.4u	298.0u	Yes
10	13	19.6u	400.0u	Yes
11	15	13.6u	269.0u	Yes
12	15	14.4u	357.0u	Yes
13	16	17.2u	415.0u	Yes
14	16	14.0u	474.0u	Yes
15	16	15.1u	225.0u	Yes
16	16	11.0u	420.0u	Yes
17	16	13.0u	404.0u	Yes
18	14	15.7u	219.0u	Yes
19	16	16.4u	270.0u	Yes
20	15	17.0u	223.0u	Yes
21	16	13.3u	474.0u	Yes
22	15	13.8u	241.0u	Yes
23	15	19.8u	395.0u	Yes
24	14	15.6u	476.0u	Yes
25	15	18.6u	252.0u	Yes
26	14	19.3u	282.0u	Yes
27	15	14.3u	382.0u	Yes
28	16	13.9u	380.0u	Yes
29	16	13.8u	340.0u	Yes
30	14	18.7u	352.0u	Yes
				Detection Rate: 100.0 %



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Lowest Gain Antenna on Draft 802.11n HT40

Type 5 Radar Statistical Performances

Trial #	Test Signal Name	Detection
1	LGA_LP_HT40_01	Yes
2	LGA_LP_HT40_02	Yes
3	LGA_LP_HT40_03	Yes
4	LGA_LP_HT40_04	Yes
5	LGA_LP_HT40_05	Yes
6	LGA_LP_HT40_06	Yes
7	LGA_LP_HT40_07	Yes
8	LGA_LP_HT40_08	Yes
9	LGA_LP_HT40_09	Yes
10	LGA_LP_HT40_10	Yes
11	LGA_LP_HT40_11	Yes
12	LGA_LP_HT40_12	Yes
13	LGA_LP_HT40_13	Yes
14	LGA_LP_HT40_14	Yes
15	LGA_LP_HT40_15	Yes
16	LGA_LP_HT40_16	Yes
17	LGA_LP_HT40_17	Yes
18	LGA_LP_HT40_18	Yes
19	LGA_LP_HT40_19	Yes
20	LGA_LP_HT40_20	Yes
21	LGA_LP_HT40_21	Yes
22	LGA_LP_HT40_22	Yes
23	LGA_LP_HT40_23	Yes
24	LGA_LP_HT40_24	Yes
25	LGA_LP_HT40_25	Yes
26	LGA_LP_HT40_26	Yes
27	LGA_LP_HT40_27	Yes
28	LGA_LP_HT40_28	Yes
29	LGA_LP_HT40_29	Yes
30	LGA_LP_HT40_30	Yes

Detection Rate: 100.0 %

The Long Pulse Radar pattern shown in Annex B.1



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Lowest Gain Antenna on Draft 802.11n HT40

Type 6 Radar Statistical Performances				
Trial #	Pulses per Burst	Pulse Width (s)	PRI (s)	Detection
1	9	1.0u	333.0u	Yes
2	9	1.0u	333.0u	Yes
3	9	1.0u	333.0u	Yes
4	9	1.0u	333.0u	Yes
5	9	1.0u	333.0u	Yes
6	9	1.0u	333.0u	Yes
7	9	1.0u	333.0u	Yes
8	9	1.0u	333.0u	Yes
9	9	1.0u	333.0u	Yes
10	9	1.0u	333.0u	Yes
11	9	1.0u	333.0u	Yes
12	9	1.0u	333.0u	Yes
13	9	1.0u	333.0u	Yes
14	9	1.0u	333.0u	Yes
15	9	1.0u	333.0u	Yes
16	9	1.0u	333.0u	Yes
17	9	1.0u	333.0u	Yes
18	9	1.0u	333.0u	Yes
19	9	1.0u	333.0u	Yes
20	9	1.0u	333.0u	Yes
21	9	1.0u	333.0u	Yes
22	9	1.0u	333.0u	Yes
23	9	1.0u	333.0u	Yes
24	9	1.0u	333.0u	Yes
25	9	1.0u	333.0u	Yes
26	9	1.0u	333.0u	Yes
27	9	1.0u	333.0u	Yes
28	9	1.0u	333.0u	Yes
29	9	1.0u	333.0u	Yes
30	9	1.0u	333.0u	Yes
				Detection Rate: 100.0 %



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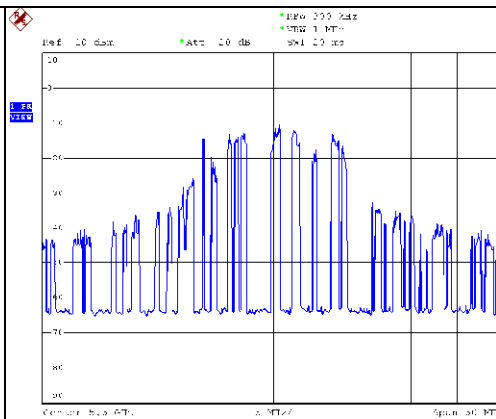
Lowest Gain Antenna on Draft 802.11n HT40

Type 6 Radar Statistical Performances		
Trial #	Hopping Frequency Sequence Name	Detection
1	LGA_HOP_HT40_01	Yes
2	LGA_HOP_HT40_02	Yes
3	LGA_HOP_HT40_03	Yes
4	LGA_HOP_HT40_04	Yes
5	LGA_HOP_HT40_05	Yes
6	LGA_HOP_HT40_06	Yes
7	LGA_HOP_HT40_07	Yes
8	LGA_HOP_HT40_08	Yes
9	LGA_HOP_HT40_09	Yes
10	LGA_HOP_HT40_10	Yes
11	LGA_HOP_HT40_11	Yes
12	LGA_HOP_HT40_12	Yes
13	LGA_HOP_HT40_13	Yes
14	LGA_HOP_HT40_14	Yes
15	LGA_HOP_HT40_15	Yes
16	LGA_HOP_HT40_16	Yes
17	LGA_HOP_HT40_17	Yes
18	LGA_HOP_HT40_18	Yes
19	LGA_HOP_HT40_19	Yes
20	LGA_HOP_HT40_20	Yes
21	LGA_HOP_HT40_21	Yes
22	LGA_HOP_HT40_22	Yes
23	LGA_HOP_HT40_23	Yes
24	LGA_HOP_HT40_24	Yes
25	LGA_HOP_HT40_25	Yes
26	LGA_HOP_HT40_26	Yes
27	LGA_HOP_HT40_27	Yes
28	LGA_HOP_HT40_28	Yes
29	LGA_HOP_HT40_29	Yes
30	LGA_HOP_HT40_30	Yes
		Detection Rate: 100.0 %

The Frequency Hopping Radar pattern shown in Annex B.2

6.2.1.4 NON- OCCUPANCY PERIOD

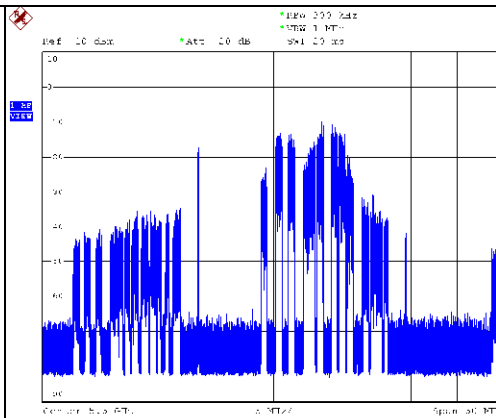
1) Test results demonstrating an associated client link is established with the master on a test frequency.



Date: 13.MAY.2009 11:57:51

EUT (Client) links with master on 5500MHz

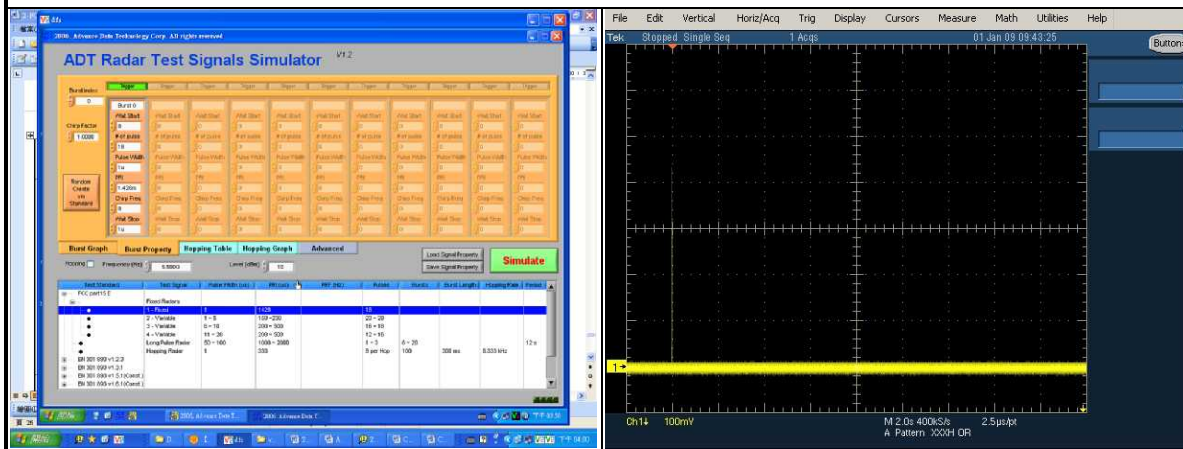
2) The client and DFS-certified master device are associated, and the movie can be streamed as specified in the DFS Order for a non-occupancy period test.



Date: 13.MAY.2009 13:27:37

Client plays a specified files via master.

3). The device transmits one type of radar as specified in the DFS Order.



Radar 1 is used to test during DFS testing.

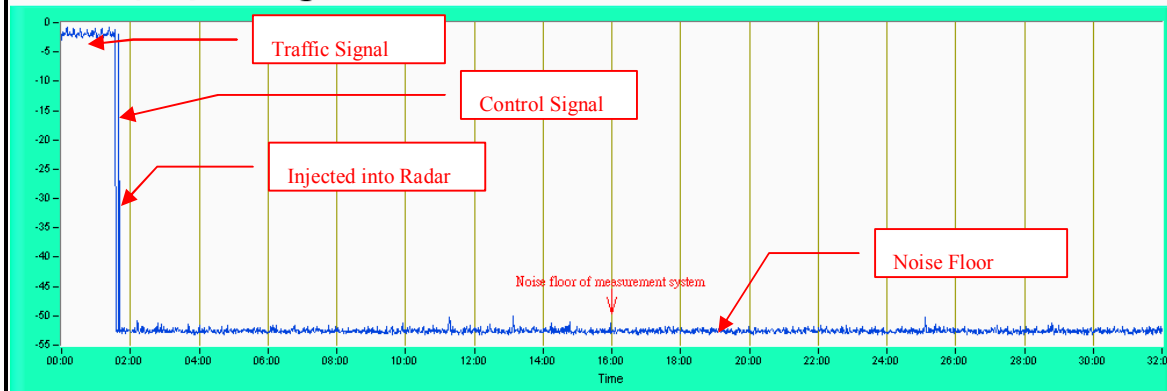
4) The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes;

Note: If the client moves with the master, the device is considered compliant if nothing appears in the client nonoccupancy period test. For devices that shut down (rather than moving channels), no beacons should appear;

5) An analyzer plot that contains a single 30-minute sweep on the original test frequency.

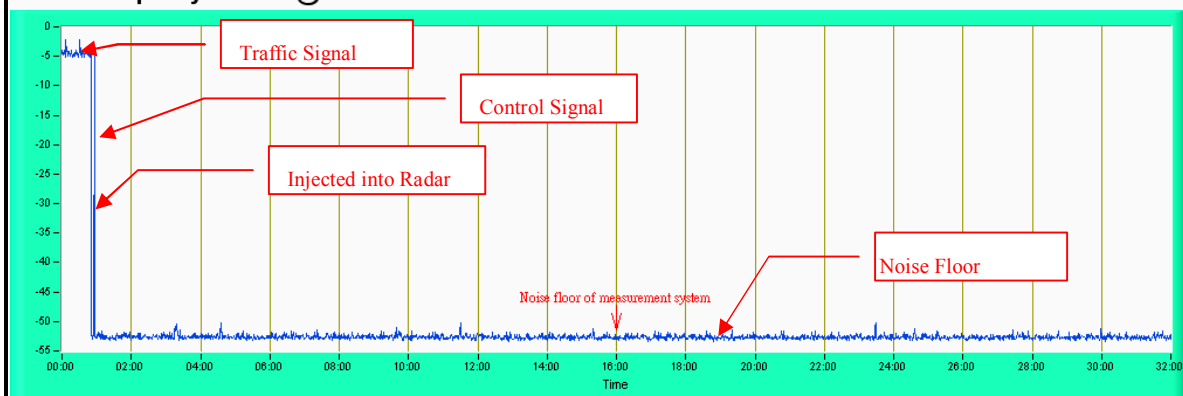
Highest Gain Antenna

Non - Occupancy Period @ CH100 - 5500MHz



Lowest Gain Antenna

Non - Occupancy Period @ CH100 - 5500MHz



6.2.1.5 UNIFORM SPREADING

The intention of the uniform spreading is to provide, on aggregate, a uniform loading of the spectrum. The UUT using the bands 5150 to 5350MHz and 5470 to 5850 MHz shall select an operating channel out of the 24 channels, so that the probability of selecting a given channel shall be the same for all channels.

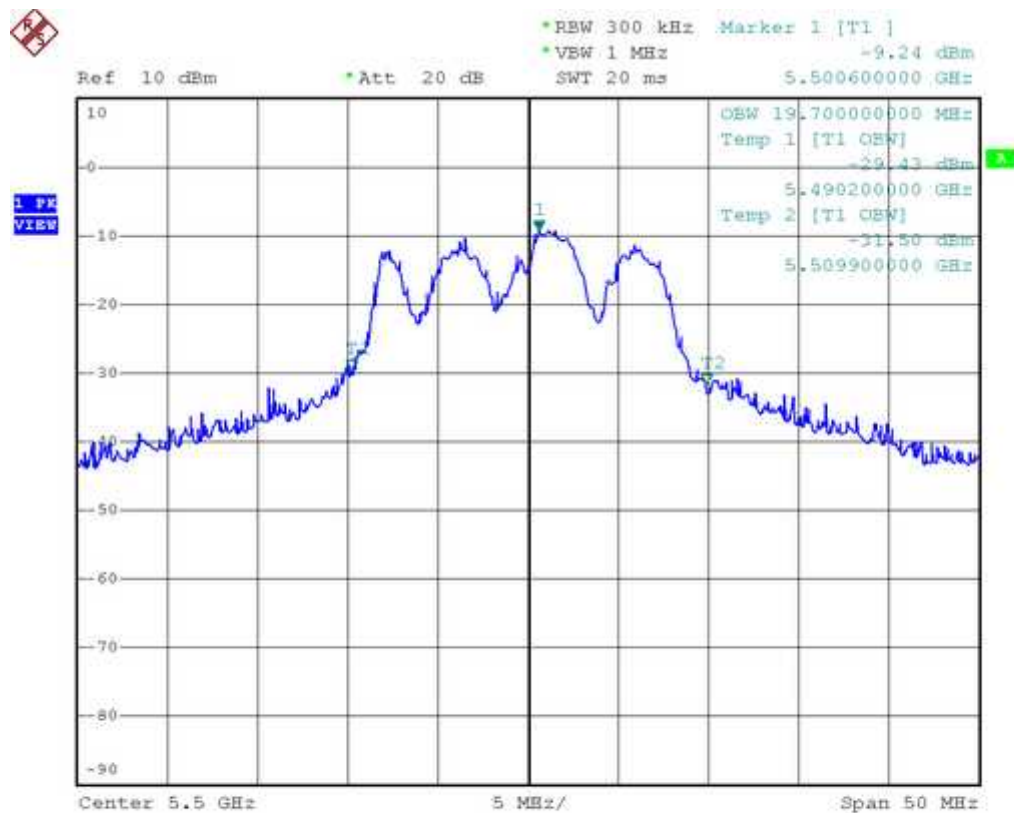
The UUT will select channel by random mode and remember this channel when detect radar signal, so that will select unused channel by random mode.



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6.2.1.6 U-NII DETECTION BANDWIDTH

802.11a



U-NII 99% Channel bandwidth



A D T

Highest Gain Antenna on 802.11a

Detection Bandwidth Test											
EUT Frequency: 5.500GHz											
EUT 99% Power bandwidth: 19.70MHz											
Detection bandwidth limit (80% of EUT 99% Power bandwidth): 15.76MHz											
Detection Bandwidth (FH - FL): 18.00MHz											
Test Result : PASS											
Radar Frequency (Hz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5.490G	Yes	No	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	80.0
5.491G (FL)	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	90.0
5.492G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.493G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.494G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.495G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.496G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.497G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.498G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.499G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.500G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.501G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.502G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.503G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.504G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.505G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.506G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.507G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.508G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.509G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.510G	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	80.0



A D T

Lowest Gain Antenna on 802.11a

Detection Bandwidth Test
 EUT Frequency: 5.500GHz
 EUT 99% Power bandwidth: 19.70MHz
 Detection bandwidth limit (80% of EUT 99% Power bandwidth): 15.76MHz
 Detection Bandwidth (FH - FL): 18.00MHz
 Test Result : PASS

Radar Frequency (Hz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5.490G	Yes	Yes	No	Yes	Yes	Yes	Yes	No	Yes	Yes	80.0
5.491G (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.492G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.493G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.494G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.495G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.496G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.497G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.498G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.499G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.500G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.501G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.502G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.503G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.504G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.505G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.506G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.507G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.508G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.509G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.510G	Yes	Yes	Yes	No	Yes	Yes	No	No	Yes	Yes	70



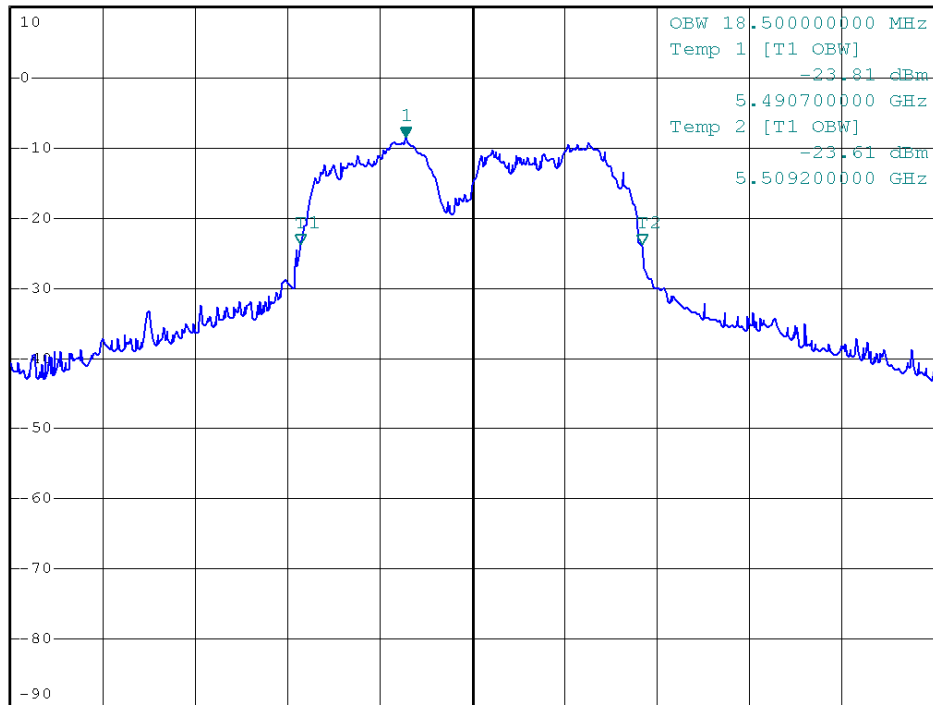
A D T

Draft 802.11n HT20



Ref 10 dBm *Att 20 dB *RBW 300 kHz Marker 1 [T1]
*VBW 1 MHz -8.43 dBm
SWT 20 ms 5.496400000 GHz

1 PK
VIEW



Center 5.5 GHz 5 MHz/ Span 50 MHz

U-NII 99% Channel bandwidth



A D T

Highest Gain Antenna on Draft 802.11n HT20

Detection Bandwidth Test
 EUT Frequency: 5.500GHz
 EUT 99% Power bandwidth: 18.50MHz
 Detection bandwidth limit (80% of EUT 99% Power bandwidth): 14.80MHz
 Detection Bandwidth (FH - FL): 19.00MHz
 Test Result : PASS

Radar Frequency (Hz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5.489G	No	No	No	No	No	No	No	No	No	No	0.00
5.490G (FL)	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	90.0
5.491G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.492G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.493G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.494G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.495G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.496G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.497G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.498G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.499G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.500G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.501G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.502G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.503G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.504G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.505G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.506G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.507G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.508G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.509G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.510G	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	60.0



A D T

Lowest Gain Antenna on Draft 802.11n HT20

Detection Bandwidth Test
 EUT Frequency: 5.500GHz
 EUT 99% Power bandwidth: 18.50MHz
 Detection bandwidth limit (80% of EUT 99% Power bandwidth): 14.80MHz
 Detection Bandwidth (FH - FL): 18.00MHz
 Test Result : PASS

Radar Frequency (Hz)	Trial Number / Detection										Detection Rate (%)
	1	2	3	4	5	6	7	8	9	10	
5.490G	Yes	Yes	Yes	No	No	Yes	Yes	Yes	No	Yes	70.0
5.491G (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.492G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.493G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.494G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.495G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.496G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.497G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.498G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.499G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.500G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.501G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.502G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.503G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.504G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.505G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.506G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.507G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.508G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.509G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.510G	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	80.0

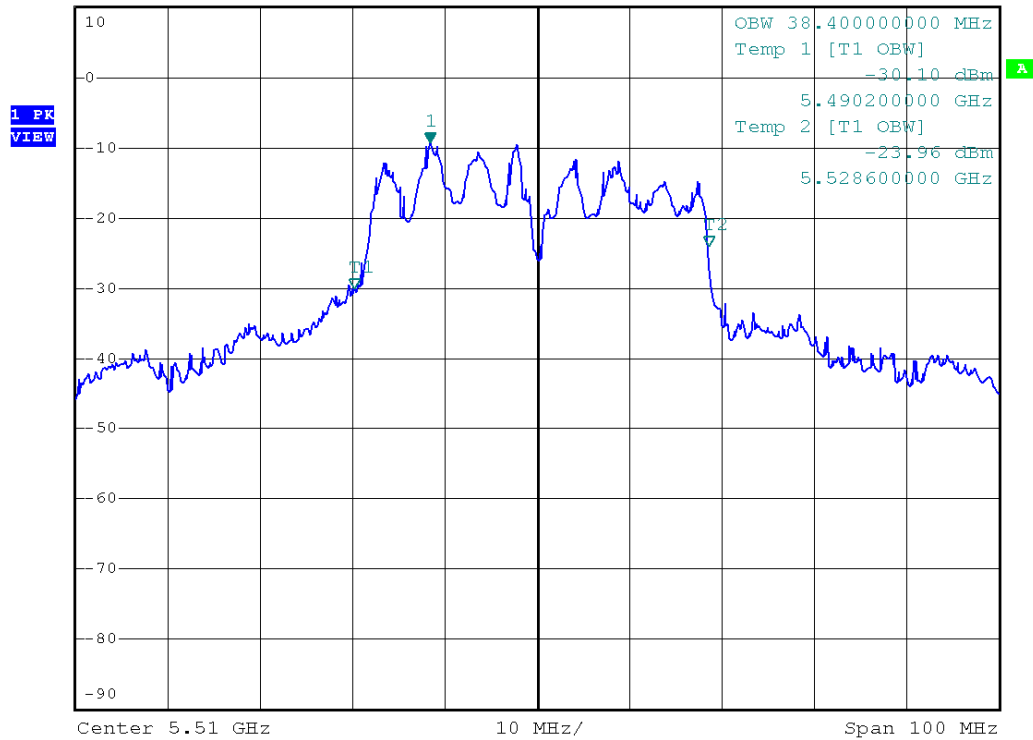


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Draft 802.11n HT40



Ref 10 dBm *Att 20 dB *RBW 300 kHz Marker 1 [T1] -9.40 dBm
*VBW 1 MHz SWT 20 ms 5.498400000 GHz



U-NII 99% Channel bandwidth



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Highest Gain Antenna on Draft 802.11n HT40

Detection Bandwidth Test											
EUT Frequency: 5.510GHz											
EUT 99% Power bandwidth: 38.40MHz											
Detection bandwidth limit (80% of EUT 99% Power bandwidth): 30.72MHz											
Detection Bandwidth (FH - FL): 40.00MHz											
Test Result : PASS											
Radars	Trial Number / Detection										Detection Rate (%)
Frequency (Hz)	1	2	3	4	5	6	7	8	9	10	
5.489G	No	Yes	No	No	Yes	Yes	Yes	Yes	No	No	50.0
5.490G (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.491G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.492G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.493G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.494G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.495G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.496G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.497G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.498G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.499G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.500G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.501G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.502G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.503G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.504G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.505G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.506G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.507G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.508G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.509G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.510G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.511G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.512G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.513G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.514G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.515G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.516G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.517G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.518G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.519G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.520G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.521G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.522G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.523G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.524G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.525G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.526G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.527G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.528G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.529G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.530G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	Yes	90
5.531G	No	Yes	Yes	Yes	No	No	Yes	Yes	No	Yes	60.0



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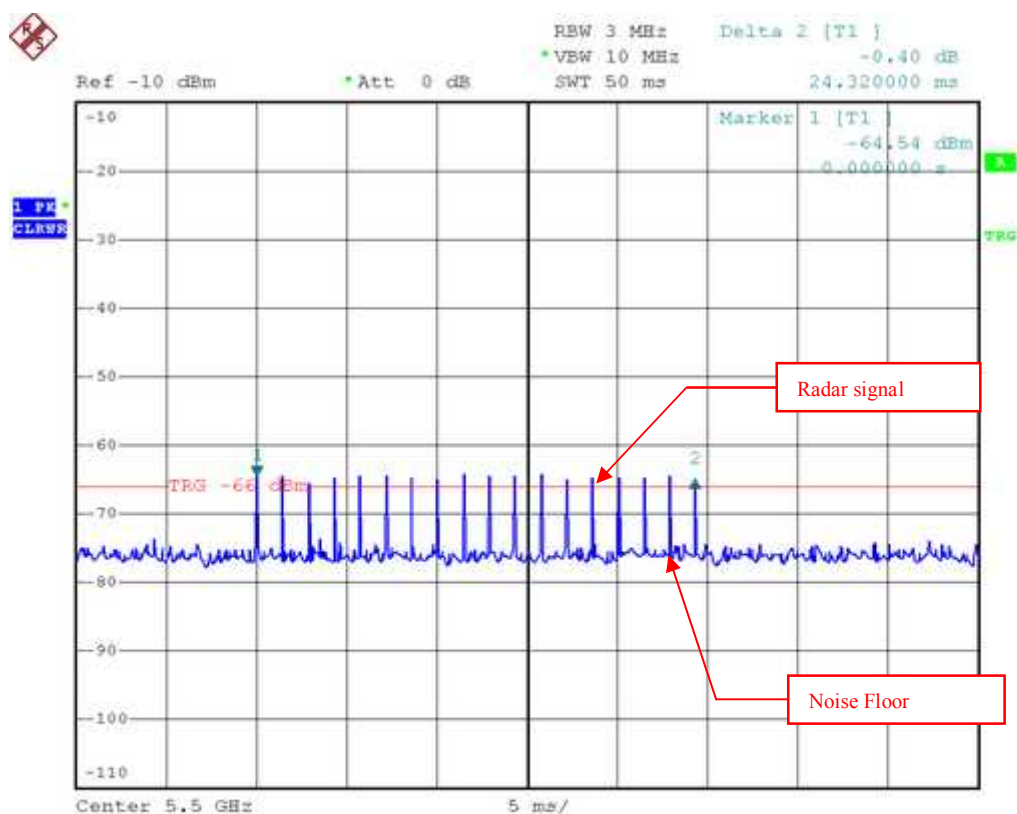
Lowest Gain Antenna on Draft 802.11n HT40

Detection Bandwidth Test											
EUT Frequency: 5.510GHz											
EUT 99% Power bandwidth: 38.40MHz											
Detection bandwidth limit (80% of EUT 99% Power bandwidth): 30.72MHz											
Detection Bandwidth (FH - FL): 40.00MHz											
Test Result : PASS											
Radars	Trial Number / Detection										Detection Rate (%)
Frequency (Hz)	1	2	3	4	5	6	7	8	9	10	
5.489G	No	No	No	No	No	No	No	No	No	No	0.00
5.490G (FL)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	No	Yes	90.0
5.491G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.492G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.493G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.494G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.495G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.496G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.497G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.498G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.499G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.500G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.501G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.502G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.503G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.504G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.505G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.506G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.507G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.508G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.509G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.510G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.511G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.512G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.513G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.514G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.515G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.516G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.517G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.518G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.519G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.520G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.521G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.522G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.523G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.524G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.525G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.526G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.527G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.528G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.529G	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.530G (FH)	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	100
5.531G	No	No	No	Yes	No	No	No	No	No	No	10.0

6.2.2 CLIENT WITHOUT RADAR DETECTION MODE.

6.2.2.1 DFS DETECTION THRESHOLD

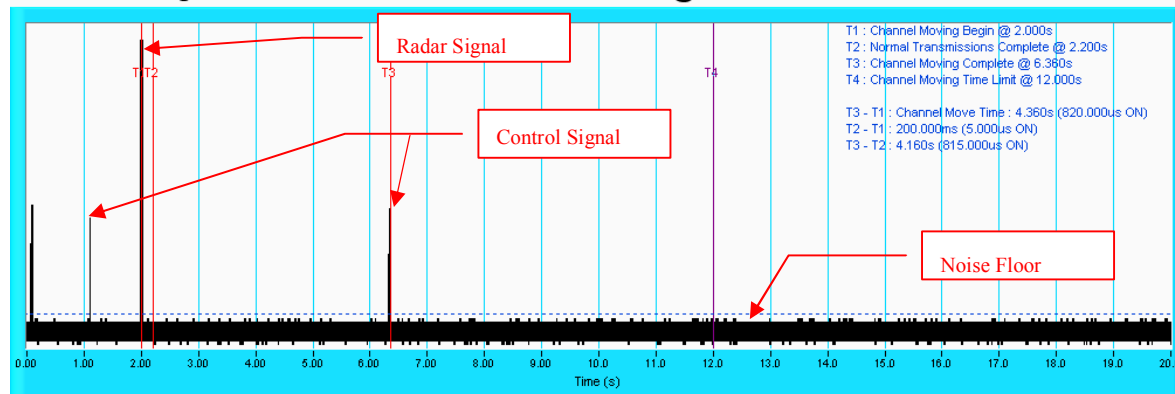
For a detection threshold level of -62dBm and the Master antenna gain is -3.38dBi . The Required detection threshold is -64.38dBm ($= -62 + 1 + (-3.38)$) dBm . The conducted radar burst level is set to -64.38dBm .



Radar Signal 1

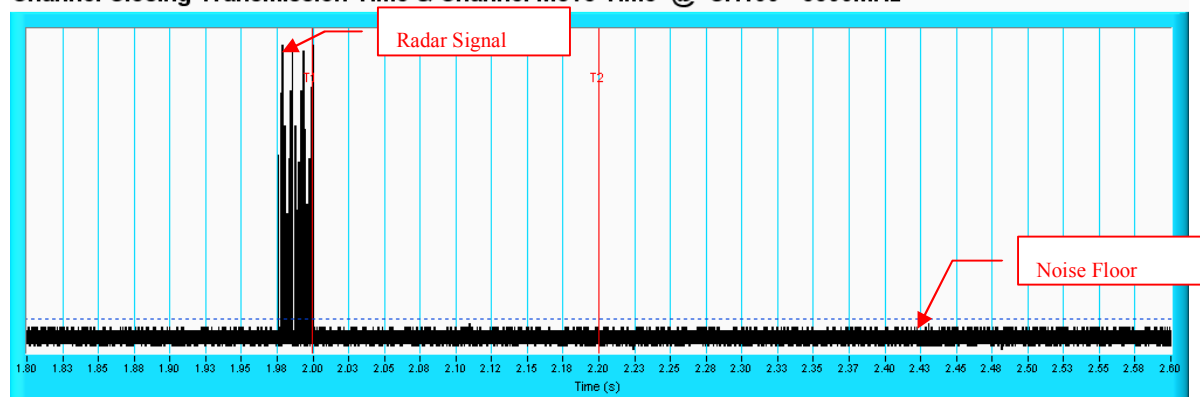
6.2.2.2 CHANNEL CLOSING TRANSMISSION AND CHANNEL MOVE TIME

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz



NOTE: T1 denotes the start of Channel Move Time upon the end of the last Radar burst. T2 denotes the data transmission time of 200ms from T1. T4 denotes the 10 second from T1 to observe the aggregate duration of transmissions.

Channel Closing Transmission Time & Channel Move Time @ CH100 - 5500MHz

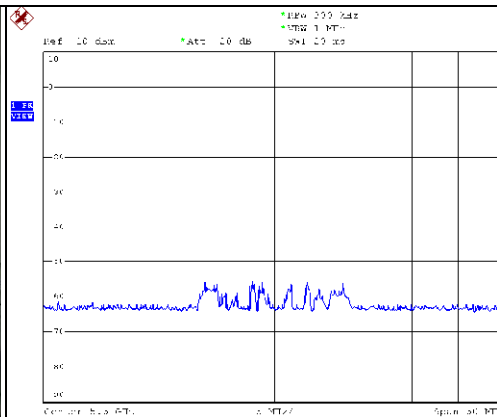


NOTE: An expanded plot for the device vacates the channel in the required 200ms.

6.2.2.3 NON- OCCUPANCY PERIOD

ASSOCIATED TEST Observed the output voltages of EUT

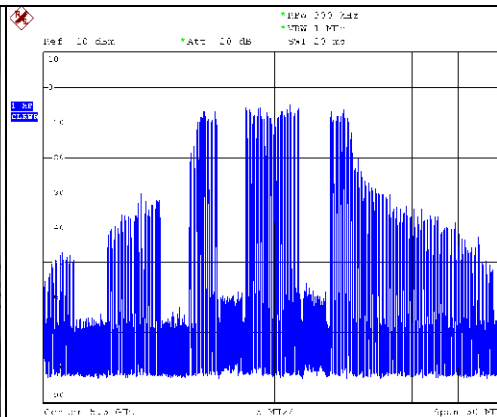
1) Test results demonstrating an associated client link is established with the master on a test frequency. (And EUT(sensor) observes the 5500MHz via passive scan.)



Date: 10/JUN/2009 14:24:36

Client links with master on 5500MHz, (And EUT(sensor) observes the 5500MHz via passive scan.)

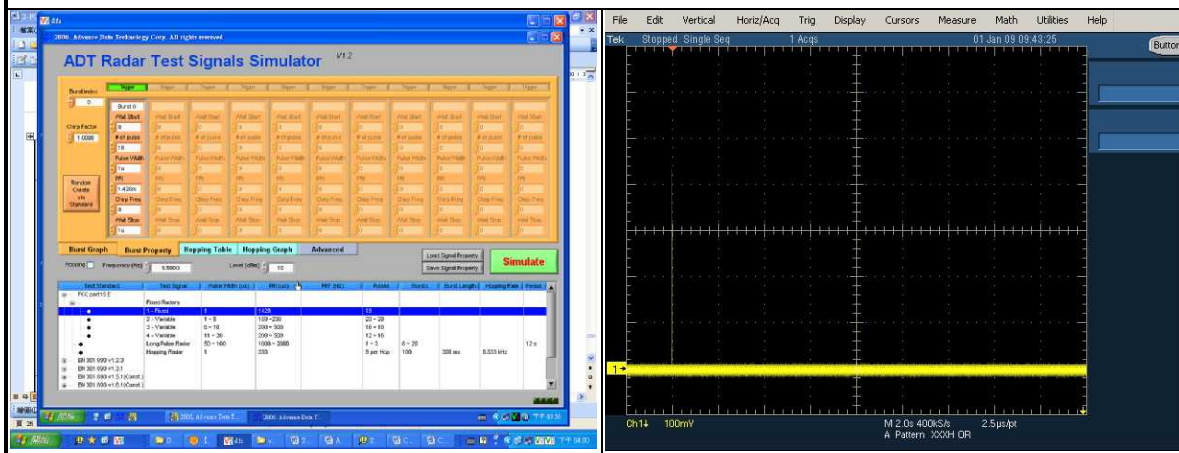
2) The client and DFS-certified master device are associated, and the movie can be streamed as specified in the DFS Order for a non-occupancy period test. (And EUT(sensor) sends air terminate messages to disconnect Client & Master.)



Date: 10/JUN/2009 14:32:48

Client plays a specified files via master. (And EUT(sensor) sends air terminate messages to disconnect Client & Master.)

3). The device transmits one type of radar as specified in the DFS Order.



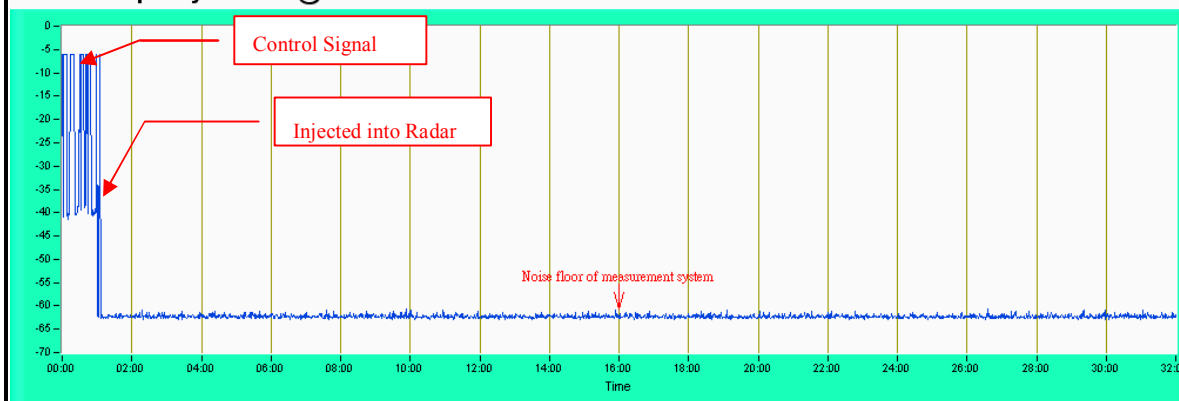
Radar 1 is used to test during DFS testing.

4) The test frequency has been monitored to ensure no transmission of any type has occurred for 30 minutes;

Note: If the client moves with the master, the device is considered compliant if nothing appears in the client nonoccupancy period test. For devices that shut down (rather than moving channels), no beacons should appear;

5)An analyzer plot that contains a single 30-minute sweep on the original test frequency.

Non - Occupancy Period @ CH100 - 5500MHZ

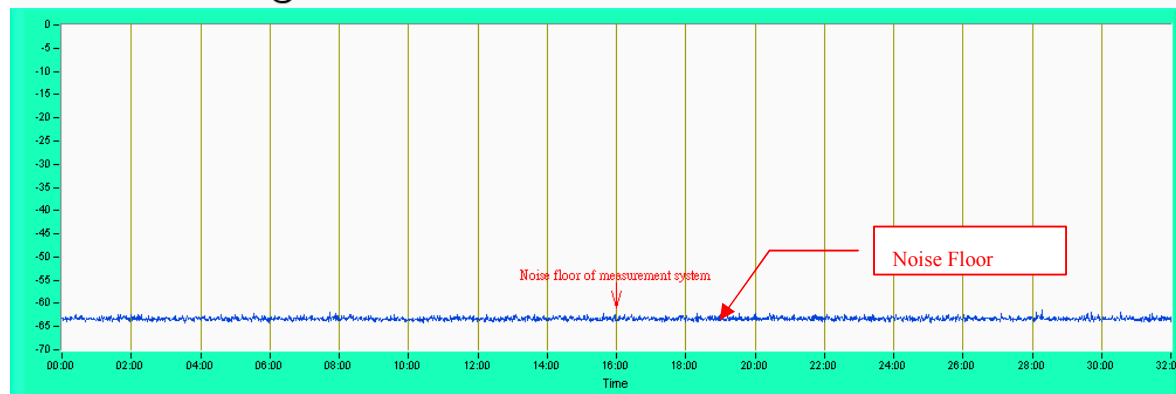


NON-ASSOCIATED TEST

Master was off.

During the 30 minutes observation time, The EUT did not make any transmissions in the DFS band after EUT power up.

Non - Associated Test @ CH100 - 5500MHz





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7. TESTING LABORATORIES INFORMATION

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch Hsin Chu Laboratory, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are accredited and approved by the following approval agencies according to ISO/IEC 17025.

USA	FCC, NVLAP
Germany	TUV Rheinland
Japan	VCCI
Norway	NEMKO
Canada	INDUSTRY CANADA, CSA
R.O.C.	TAF, BSMI, NCC
Netherlands	Telefication
Singapore	GOST-ASIA (MOU)
Russia	CERTIS (MOU)

Copies of accreditation certificates of our laboratories obtained from approval agencies can be downloaded from our web site:

www.adt.com.tw/index.5/phtml. If you have any comments, please feel free to contact us at the following:

Linko EMC/RF Lab:

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF Lab:

Tel: 886-3-5935343

Fax: 886-3-5935342

Hwa Ya EMC/RF/Safety Telecom Lab:

Tel: 886-3-3183232

Fax: 886-3-3185050

Web Site: www.adt.com.tw

The address and road map of all our labs can be found in our web site also.



8. APPENDIX

8.1 APPENDIX-A

Modifications or adding components during the test

No any modifications are made to the EUT by the lab during the test.

8.2 APPENDIX-B

RADAR TEST SIGNAL

B.1 The Long Pulse Radar Pattern

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_A_01						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	96.0u	1.223m	-	291.6m
2	3	18M	60.2u	1.871m	1.024m	244.0m
3	3	16M	93.7u	1.747m	1.523m	455.4m
4	3	8M	78.4u	1.749m	1.361m	263.8m
5	3	7M	90.3u	1.748m	1.839m	241.3m
6	3	12M	76.2u	1.879m	1.205m	422.6m
7	3	8M	63.3u	1.909m	1.736m	465.8m
8	2	12M	95.0u	1.238m	-	564.4m
9	2	13M	68.9u	1.809m	-	271.2m
10	2	6M	86.0u	1.560m	-	124.9m
11	2	19M	80.4u	1.500m	-	68.45m
12	2	12M	97.7u	1.567m	-	530.8m
13	3	14M	88.8u	1.110m	1.289m	338.1m
14	2	8M	52.4u	1.423m	-	26.45m
15	2	6M	74.4u	1.578m	-	58.38m
16	2	13M	94.3u	1.087m	-	366.2m
17	2	7M	95.9u	1.617m	-	9.785m
18	3	6M	61.8u	1.901m	1.268m	189.1m
19	3	13M	52.9u	1.870m	1.637m	18.12m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_02
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	97.0u	1.000m	-	595.3m
2	2	11M	99.9u	1.543m	-	515.5m
3	2	8M	67.8u	1.022m	-	36.21m
4	3	14M	86.2u	1.196m	1.635m	368.3m
5	2	17M	98.5u	1.177m	-	518.2m
6	3	16M	98.3u	1.721m	1.567m	290.9m
7	2	11M	69.9u	1.292m	-	52.41m
8	3	19M	50.8u	1.027m	1.580m	349.4m
9	2	13M	92.1u	1.027m	-	105.6m
10	2	18M	99.9u	1.501m	-	497.7m
11	1	8M	67.3u	-	-	427.4m
12	2	17M	74.8u	1.249m	-	41.75m
13	1	10M	74.6u	-	-	353.1m
14	1	8M	56.8u	-	-	346.4m
15	3	19M	61.7u	1.706m	1.160m	207.9m
16	3	8M	80.7u	1.781m	1.804m	140.9m
17	2	16M	83.6u	1.302m	-	36.24m
18	3	15M	62.1u	1.699m	1.109m	35.35m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_03
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	10M	58.5u	-	-	610.1m
2	2	16M	69.4u	1.377m	-	737.9m
3	2	7M	61.2u	1.243m	-	368.4m
4	1	11M	51.1u	-	-	355.2m
5	1	9M	56.9u	-	-	723.2m
6	3	10M	69.7u	1.519m	1.713m	326.7m
7	2	16M	64.1u	1.751m	-	718.8m
8	2	14M	92.6u	963.4u	-	361.0u
9	3	17M	71.9u	1.096m	1.779m	429.1m
10	3	17M	57.3u	1.546m	1.290m	62.42m
11	2	6M	68.6u	1.393m	-	293.5m
12	1	7M	86.4u	-	-	638.0m
13	2	10M	57.1u	990.9u	-	687.7m
14	2	13M	70.7u	1.396m	-	591.6m
15	1	17M	56.6u	-	-	469.7m
16	2	12M	64.3u	1.120m	-	112.0m



Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_04
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	95.8u	-	-	698.3m
2	3	16M	97.8u	1.843m	1.376m	638.1m
3	2	10M	61.5u	1.444m	-	383.4m
4	3	14M	53.8u	1.795m	1.474m	320.9m
5	2	18M	54.3u	1.204m	-	317.4m
6	1	5M	74.7u	-	-	96.62m
7	2	14M	82.7u	1.074m	-	33.86m
8	1	6M	68.5u	-	-	33.44m
9	1	5M	72.0u	-	-	43.31m
10	2	7M	67.0u	1.273m	-	383.2m
11	1	9M	78.2u	-	-	620.9m
12	1	16M	71.3u	-	-	46.18m
13	3	17M	66.3u	1.889m	1.532m	18.96m
14	3	7M	88.3u	1.307m	948.7u	21.30m
15	2	19M	71.1u	954.9u	-	27.45m
16	2	16M	91.3u	1.096m	-	581.2m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_05
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	73.8u	1.777m	993.2u	861.0m
2	1	12M	55.2u	-	-	785.1m
3	3	8M	61.1u	1.880m	1.577m	615.2m
4	2	14M	52.5u	1.561m	-	300.5m
5	1	10M	98.3u	-	-	630.5m
6	1	19M	94.6u	-	-	425.6m
7	2	12M	65.5u	1.484m	-	606.8m
8	2	9M	69.1u	1.735m	-	486.8m
9	2	10M	68.5u	1.708m	-	618.6m
10	2	16M	89.8u	1.548m	-	249.0m
11	2	16M	63.2u	1.053m	-	148.5m
12	1	8M	65.2u	-	-	819.3m
13	2	14M	59.3u	1.666m	-	778.4m



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Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_06
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	86.9u	1.865m	-	211.4m
2	2	17M	51.4u	1.080m	-	91.01m
3	2	18M	80.9u	1.622m	-	162.5m
4	2	6M	75.1u	1.172m	-	147.6m
5	1	11M	68.5u	-	-	671.7m
6	1	19M	81.8u	-	-	677.2m
7	2	15M	80.1u	1.604m	-	30.27m
8	1	12M	70.5u	-	-	254.3m
9	2	6M	98.2u	1.289m	-	601.2m
10	1	15M	78.2u	-	-	178.6m
11	3	15M	90.4u	1.617m	944.6u	327.8m
12	1	14M	56.0u	-	-	600.4m
13	3	7M	65.0u	1.190m	1.630m	540.6m
14	1	14M	58.8u	-	-	376.8m
15	1	14M	85.7u	-	-	175.6m
16	2	9M	52.4u	1.211m	-	490.3m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_07
Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	53.1u	1.725m	-	426.8m
2	2	15M	74.9u	1.424m	-	801.7m
3	3	19M	54.5u	1.087m	1.661m	15.95m
4	2	8M	90.8u	1.146m	-	867.5m
5	2	6M	69.7u	1.156m	-	861.2m
6	2	9M	95.9u	1.560m	-	177.8m
7	1	19M	54.6u	-	-	501.0m
8	3	19M	87.4u	1.317m	1.903m	939.4m
9	3	14M	80.5u	998.5u	1.218m	378.8m



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Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_A_08						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	52.7u	-	-	384.6m
2	2	7M	94.8u	1.100m	-	243.3m
3	2	7M	95.6u	1.866m	-	478.7m
4	1	18M	92.4u	-	-	694.9m
5	2	8M	86.0u	1.831m	-	38.48m
6	1	6M	74.1u	-	-	268.4m
7	2	10M	81.6u	1.103m	-	527.5m
8	1	10M	69.5u	-	-	583.0m
9	3	11M	98.3u	1.362m	1.204m	754.6m
10	2	19M	73.0u	1.355m	-	170.0m
11	3	13M	76.6u	1.786m	1.135m	45.50m
12	2	9M	93.7u	1.683m	-	204.0m
13	1	15M	51.3u	-	-	735.5m
14	1	10M	69.1u	-	-	456.6m
15	2	6M	65.5u	1.241m	-	362.4m

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_A_09						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	18M	57.8u	1.496m	1.747m	297.4m
2	2	16M	85.0u	1.014m	-	815.1m
3	2	13M	82.4u	1.320m	-	322.0m
4	1	17M	61.4u	-	-	576.4m
5	2	8M	99.2u	1.740m	-	265.4m
6	1	12M	99.2u	-	-	518.2m
7	1	19M	99.0u	-	-	258.6m
8	1	14M	98.4u	-	-	369.0m
9	2	19M	69.8u	1.605m	-	110.9m
10	3	16M	60.5u	1.280m	1.509m	66.51m
11	3	12M	55.0u	1.782m	1.094m	211.6m
12	3	16M	83.4u	1.008m	1.847m	675.0m
13	2	19M	94.6u	1.089m	-	756.6m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_A_10						
Number of Bursts in Trial: 14						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	99.9u	1.268m	-	91.76m
2	3	7M	96.7u	1.290m	1.013m	168.1m
3	2	13M	65.8u	1.133m	-	376.7m
4	2	15M	70.3u	1.231m	-	144.3m
5	3	15M	69.3u	1.131m	1.073m	778.7m
6	3	14M	55.0u	1.423m	1.760m	208.0m
7	2	6M	80.4u	1.683m	-	191.9m
8	2	13M	62.2u	1.844m	-	622.9m
9	1	15M	85.1u	-	-	774.9m
10	2	7M	62.8u	1.519m	-	441.2m
11	2	9M	67.0u	1.136m	-	740.7m
12	3	15M	84.6u	1.357m	979.4u	20.27m
13	2	13M	87.6u	1.907m	-	638.0m
14	2	15M	71.9u	1.611m	-	269.4m

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_A_11						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	16M	62.4u	-	-	1.280
2	2	15M	67.1u	987.9u	-	886.2m
3	3	19M	64.7u	1.922m	1.883m	1.299
4	1	10M	93.5u	-	-	843.2m
5	3	17M	73.2u	1.697m	1.913m	793.9m
6	3	19M	73.6u	1.139m	1.889m	86.10m
7	2	8M	58.4u	1.423m	-	274.2m
8	2	12M	73.7u	1.486m	-	43.70m
9	2	15M	80.6u	1.069m	-	98.43m



Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_12

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	79.2u	-	-	393.1m
2	2	16M	55.9u	1.397m	-	360.9m
3	3	13M	84.3u	1.205m	1.339m	763.7m
4	2	13M	84.6u	1.010m	-	438.2m
5	1	7M	88.1u	-	-	178.8m
6	3	13M	53.0u	1.408m	1.000m	449.5m
7	1	17M	59.9u	-	-	596.7m
8	2	6M	99.9u	1.842m	-	718.3m
9	2	17M	59.7u	1.828m	-	333.2m
10	2	7M	56.8u	970.2u	-	243.8m
11	2	6M	60.9u	1.841m	-	64.90m
12	1	14M	74.2u	-	-	409.5m
13	1	9M	97.3u	-	-	411.0m
14	3	7M	82.6u	1.802m	1.362m	660.1m
15	2	7M	71.3u	1.294m	-	664.8m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_13

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	65.3u	1.912m	-	51.23m
2	2	10M	92.1u	1.635m	-	409.1m
3	3	14M	94.0u	934.0u	1.549m	605.9m
4	2	16M	51.3u	1.776m	-	678.5m
5	2	10M	82.2u	1.557m	-	622.0m
6	2	13M	66.5u	1.471m	-	24.57m
7	2	18M	87.8u	1.899m	-	610.5m
8	1	13M	63.7u	-	-	740.4m
9	2	20M	85.5u	1.563m	-	460.8m
10	2	19M	94.4u	940.6u	-	667.0m
11	1	13M	54.4u	-	-	486.6m
12	3	14M	52.2u	1.890m	1.360m	329.2m
13	3	9M	56.4u	1.726m	1.169m	408.4m
14	2	7M	75.6u	1.357m	-	304.6m
15	2	16M	51.3u	1.582m	-	144.3m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_14
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	95.8u	1.737m	-	539.8m
2	2	14M	50.6u	1.693m	-	549.5m
3	2	20M	56.2u	1.764m	-	727.3m
4	3	18M	53.0u	1.819m	1.101m	321.3m
5	1	20M	59.9u	-	-	480.9m
6	3	12M	96.0u	1.676m	1.624m	160.6m
7	2	11M	60.8u	1.742m	-	964.5m
8	1	9M	85.2u	-	-	996.5m
9	3	17M	62.2u	1.223m	1.836m	399.3m
10	3	8M	75.6u	1.896m	1.900m	260.3m
11	3	13M	61.9u	1.391m	1.029m	90.22m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_15
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	81.5u	1.406m	-	457.3m
2	2	7M	64.0u	1.789m	-	459.5m
3	1	14M	88.6u	-	-	19.37m
4	2	13M	58.6u	1.594m	-	684.2m
5	1	19M	52.5u	-	-	479.4m
6	2	16M	72.3u	1.496m	-	419.9m
7	3	8M	56.5u	1.179m	1.063m	216.3m
8	2	13M	83.8u	963.2u	-	620.5m
9	2	7M	57.5u	1.431m	-	842.7m
10	1	18M	95.0u	-	-	806.0m
11	1	11M	60.2u	-	-	587.9m
12	1	14M	63.2u	-	-	747.9m
13	1	17M	69.0u	-	-	310.2m
14	2	10M	92.2u	1.352m	-	283.1m



Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_16
Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	99.3u	1.505m	-	148.1m
2	2	12M	58.0u	1.205m	-	354.9m
3	2	9M	91.1u	1.534m	-	646.6m
4	2	19M	87.7u	1.353m	-	484.3m
5	2	6M	73.9u	1.338m	-	25.80m
6	2	6M	99.0u	965.0u	-	361.8m
7	3	14M	73.7u	1.853m	1.503m	300.0m
8	2	13M	62.9u	1.736m	-	80.68m
9	3	5M	71.0u	1.729m	1.116m	642.5m
10	3	9M	75.2u	1.702m	1.877m	215.6m
11	1	15M	68.3u	-	-	168.8m
12	1	14M	85.6u	-	-	81.80m
13	2	11M	82.3u	1.087m	-	74.92m
14	2	6M	50.1u	1.029m	-	302.8m
15	2	7M	51.7u	1.860m	-	208.0m
16	1	9M	79.9u	-	-	325.0m
17	2	9M	54.8u	1.273m	-	160.2m
18	2	17M	59.1u	1.787m	-	232.1m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_17
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	78.6u	1.905m	1.432m	588.0m
2	2	16M	87.6u	1.890m	-	1.040
3	1	7M	56.1u	-	-	926.5m
4	2	7M	75.1u	1.840m	-	128.8m
5	2	14M	84.9u	1.670m	-	12.46m
6	1	7M	76.6u	-	-	940.6m
7	1	19M	79.1u	-	-	502.6m
8	3	18M	97.6u	1.178m	1.673m	656.4m
9	2	6M	64.1u	1.685m	-	449.3m
10	2	13M	69.0u	1.870m	-	900.5m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_18

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	70.7u	1.290m	1.142m	51.46m
2	1	16M	77.0u	-	-	87.93m
3	3	12M	78.4u	1.364m	1.089m	222.1m
4	1	16M	94.7u	-	-	105.0m
5	2	7M	91.3u	1.766m	-	565.9m
6	3	16M	55.7u	1.385m	1.266m	181.2m
7	3	16M	59.3u	1.722m	1.866m	318.4m
8	2	8M	88.8u	1.211m	-	372.3m
9	2	11M	98.1u	927.9u	-	536.4m
10	3	12M	75.3u	1.275m	1.922m	633.7m
11	3	14M	59.1u	1.259m	1.904m	90.41m
12	3	8M	82.7u	1.269m	1.299m	35.52m
13	3	10M	57.5u	1.786m	1.130m	332.5m
14	3	16M	90.5u	1.577m	1.381m	376.7m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_A_19						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	12M	77.0u	925.0u	1.588m	126.6m
2	2	14M	95.6u	1.362m	-	110.6m
3	2	14M	75.2u	1.402m	-	577.1m
4	2	16M	69.8u	1.272m	-	607.2m
5	1	15M	58.9u	-	-	387.1m
6	1	19M	68.1u	-	-	594.5m
7	3	13M	68.9u	1.051m	1.747m	384.1m
8	3	16M	55.0u	1.935m	1.359m	513.7m
9	1	18M	82.6u	-	-	428.0m
10	2	6M	69.9u	1.021m	-	615.2m
11	1	8M	55.1u	-	-	498.0m
12	2	6M	96.7u	1.587m	-	257.5m
13	2	19M	78.9u	1.506m	-	295.8m
14	2	11M	83.9u	1.764m	-	406.0m
15	1	8M	65.5u	-	-	612.7m
16	1	10M	66.7u	-	-	396.2m
17	2	10M	97.6u	1.075m	-	461.4m
18	2	10M	58.6u	1.526m	-	502.7m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_20
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	68.8u	1.008m	-	617.7m
2	2	9M	99.4u	991.6u	-	227.6m
3	2	16M	63.8u	1.729m	-	190.4m
4	2	19M	60.3u	1.195m	-	225.3m
5	2	9M	54.7u	1.016m	-	153.5m
6	2	18M	83.8u	1.486m	-	629.1m
7	2	8M	69.2u	1.521m	-	697.6m
8	2	12M	59.4u	1.902m	-	203.4m
9	2	10M	84.5u	943.5u	-	464.4m
10	2	12M	77.3u	1.567m	-	46.84m
11	2	8M	80.0u	1.214m	-	157.5m
12	2	6M	77.0u	1.173m	-	510.9m
13	3	20M	76.2u	1.878m	1.840m	107.4m
14	3	16M	80.5u	990.5u	1.551m	645.5m
15	2	14M	86.9u	1.867m	-	218.2m
16	3	8M	73.0u	1.225m	1.408m	619.3m
17	3	20M	98.9u	1.754m	1.490m	183.8m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_21

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	63.0u	-	-	347.7m
2	1	7M	53.0u	-	-	374.5m
3	3	15M	76.6u	982.4u	1.676m	151.7m
4	2	10M	73.0u	938.0u	-	250.7m
5	3	16M	70.1u	1.754m	1.679m	616.3m
6	1	6M	58.1u	-	-	564.7m
7	2	8M	96.2u	1.192m	-	261.7m
8	2	13M	52.4u	1.651m	-	653.7m
9	3	11M	80.7u	1.089m	1.412m	340.3m
10	1	18M	96.7u	-	-	362.8m
11	2	13M	77.6u	1.463m	-	524.7m
12	2	10M	78.8u	1.431m	-	315.3m
13	3	12M	96.3u	1.812m	1.713m	310.4m
14	3	8M	66.6u	981.4u	1.142m	43.83m
15	2	8M	99.0u	1.824m	-	564.5m
16	3	10M	67.3u	1.757m	1.377m	376.4m
17	1	6M	59.9u	-	-	92.11m
18	3	20M	69.2u	1.588m	1.460m	356.1m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_22

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	69.0u	1.852m	-	501.4m
2	1	6M	95.4u	-	-	45.37m
3	2	19M	88.3u	976.7u	-	243.0m
4	3	13M	52.8u	1.099m	1.936m	449.1m
5	2	10M	92.1u	1.084m	-	819.7m
6	3	15M	83.9u	1.458m	963.1u	485.5m
7	3	17M	52.3u	1.146m	1.848m	563.7m
8	3	18M	60.1u	1.149m	1.566m	466.3m
9	3	17M	72.3u	1.839m	1.082m	894.8m
10	2	6M	81.2u	1.877m	-	348.5m
11	1	5M	50.4u	-	-	821.7m
12	2	14M	82.6u	1.299m	-	339.5m
13	3	19M	72.1u	1.264m	1.157m	143.9m



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Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_23

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	12M	58.7u	1.027m	1.234m	378.9m
2	3	17M	56.4u	1.636m	1.035m	1.002
3	2	17M	59.4u	1.632m	-	697.4m
4	3	15M	66.4u	938.6u	939.6u	965.7m
5	2	13M	54.7u	1.789m	-	999.3m
6	2	14M	78.3u	1.558m	-	723.7m
7	2	9M	84.6u	1.694m	-	203.4m
8	2	8M	50.9u	1.063m	-	607.3m
9	2	12M	54.9u	1.040m	-	722.5m
10	1	12M	89.2u	-	-	407.7m
11	2	8M	65.1u	1.730m	-	943.7m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_24

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	61.9u	1.757m	-	156.6m
2	3	16M	78.8u	1.865m	942.2u	389.7m
3	1	20M	89.9u	-	-	121.0m
4	2	18M	53.8u	1.037m	-	447.1m
5	1	12M	83.5u	-	-	59.60m
6	3	13M	77.1u	1.236m	1.814m	110.7m
7	2	11M	84.1u	1.131m	-	654.4m
8	2	20M	66.8u	991.2u	-	442.1m
9	2	12M	99.9u	1.409m	-	20.56m
10	2	16M	87.8u	1.170m	-	231.0m
11	1	7M	55.6u	-	-	503.5m
12	1	20M	63.3u	-	-	461.7m
13	3	6M	56.5u	1.182m	1.180m	540.9m
14	3	14M	90.4u	1.771m	1.221m	48.92m
15	3	14M	51.7u	1.194m	1.662m	573.1m
16	3	10M	96.7u	1.736m	1.192m	321.9m
17	2	10M	83.8u	1.442m	-	363.0m
18	1	7M	79.0u	-	-	346.8m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_25
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	69.0u	1.562m	-	115.6m
2	3	7M	84.6u	1.079m	1.319m	200.3m
3	3	17M	79.3u	1.504m	1.858m	345.1m
4	1	18M	75.0u	-	-	144.8m
5	3	14M	93.4u	1.481m	907.6u	388.0m
6	2	9M	54.0u	1.183m	-	283.0m
7	1	12M	58.3u	-	-	644.5m
8	2	10M	98.3u	1.351m	-	672.4m
9	3	18M	95.6u	938.4u	1.569m	499.7m
10	1	9M	89.1u	-	-	250.1m
11	3	13M	50.6u	1.249m	1.620m	425.8m
12	2	9M	84.5u	1.835m	-	381.1m
13	2	7M	57.1u	1.054m	-	112.1m
14	2	9M	54.2u	1.665m	-	89.45m
15	2	15M	51.0u	1.234m	-	152.4m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_26
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	97.3u	1.460m	-	976.8m
2	1	14M	95.0u	-	-	21.54m
3	2	19M	61.5u	1.130m	-	632.9m
4	1	17M	58.4u	-	-	951.4m
5	3	18M	78.6u	1.813m	1.246m	493.3m
6	2	16M	97.2u	1.105m	-	481.3m
7	2	5M	74.3u	1.885m	-	877.4m
8	2	20M	99.9u	1.613m	-	289.5m
9	2	10M	93.0u	1.519m	-	909.7m
10	2	6M	77.1u	1.120m	-	163.5m
11	2	18M	79.6u	1.883m	-	634.0m
12	1	17M	82.8u	-	-	599.5m



Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_27

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	90.8u	1.654m	-	585.9m
2	1	16M	51.8u	-	-	650.6m
3	2	14M	73.9u	1.711m	-	612.2m
4	1	9M	96.5u	-	-	437.3m
5	1	9M	97.0u	-	-	323.6m
6	3	12M	93.2u	1.328m	1.391m	190.8m
7	2	18M	55.0u	1.835m	-	180.2m
8	1	12M	75.8u	-	-	81.25m
9	1	5M	86.8u	-	-	334.2m
10	1	15M	63.4u	-	-	273.8m
11	3	18M	74.6u	964.4u	1.101m	41.19m
12	1	17M	89.7u	-	-	248.6m
13	1	5M	87.0u	-	-	34.75m
14	3	17M	79.4u	1.473m	1.812m	390.2m
15	2	15M	56.6u	1.645m	-	82.02m
16	3	11M	59.0u	1.697m	1.699m	426.7m
17	2	10M	98.9u	934.1u	-	404.3m
18	1	16M	55.5u	-	-	540.2m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_A_28

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	57.4u	1.321m	1.513m	286.1m
2	1	6M	88.0u	-	-	782.5m
3	3	5M	96.2u	1.486m	1.156m	482.2m
4	3	8M	91.3u	1.283m	994.7u	448.8m
5	3	5M	60.4u	1.376m	971.6u	156.4m
6	1	19M	95.4u	-	-	460.7m
7	3	5M	58.0u	1.538m	1.203m	84.87m
8	2	7M	70.4u	1.790m	-	337.6m
9	1	16M	67.6u	-	-	758.3m
10	2	19M	57.0u	1.911m	-	311.1m
11	2	17M	52.0u	1.228m	-	487.2m
12	1	6M	88.1u	-	-	42.69m
13	2	13M	82.0u	1.696m	-	595.9m



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Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_29
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	67.7u	-	-	227.1m
2	3	16M	87.9u	1.803m	1.696m	154.0m
3	2	16M	90.5u	1.155m	-	360.2m
4	3	7M	63.5u	1.726m	1.392m	449.0m
5	1	14M	72.8u	-	-	27.51m
6	2	11M	94.9u	1.081m	-	836.9m
7	2	19M	78.8u	1.203m	-	439.3m
8	2	12M	71.6u	1.551m	-	828.6m
9	2	10M	95.9u	1.682m	-	757.8m
10	2	17M	63.6u	1.467m	-	332.5m
11	3	9M	74.2u	1.512m	1.569m	834.7m
12	2	8M	53.2u	1.123m	-	71.22m
13	2	13M	62.1u	1.095m	-	852.5m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_A_30
Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	73.8u	1.051m	-	104.1m
2	3	13M	95.3u	1.415m	1.765m	1.099
3	1	11M	56.9u	-	-	996.8m
4	1	15M	71.5u	-	-	794.5m
5	2	9M	88.2u	1.236m	-	1.131
6	2	5M	86.0u	1.453m	-	1.184
7	2	17M	88.5u	1.491m	-	868.1m
8	2	6M	80.2u	943.8u	-	1.180
9	2	17M	71.3u	1.295m	-	848.6m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_01

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	12M	90.6u	-	-	450.3m
2	2	12M	50.6u	1.894m	-	1.187
3	1	16M	54.5u	-	-	774.9m
4	1	10M	61.9u	-	-	200.5m
5	2	7M	50.1u	1.573m	-	877.3m
6	3	16M	51.0u	1.698m	951.0u	1.309
7	1	6M	56.4u	-	-	1.385
8	3	18M	72.8u	1.903m	1.758m	935.8m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_02

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	93.8u	1.450m	-	49.47m
2	2	6M	89.2u	1.585m	-	155.8m
3	2	16M	99.5u	1.520m	-	93.83m
4	3	11M	51.8u	1.776m	957.2u	414.9m
5	3	13M	73.7u	1.512m	1.130m	638.1m
6	1	11M	72.1u	-	-	189.8m
7	2	17M	92.8u	1.294m	-	566.6m
8	1	6M	75.9u	-	-	600.8m
9	1	19M	71.6u	-	-	232.5m
10	3	13M	53.7u	1.559m	1.561m	547.9m
11	3	11M	94.5u	1.205m	947.5u	108.1m
12	1	8M	84.2u	-	-	171.9m
13	2	13M	98.5u	1.871m	-	54.78m
14	3	14M	83.0u	1.420m	969.0u	496.4m
15	2	11M	83.1u	1.642m	-	659.7m
16	2	10M	88.6u	1.325m	-	134.9m
17	1	15M	66.2u	-	-	290.4m
18	2	17M	98.1u	1.064m	-	539.7m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT20_03						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	9M	83.3u	1.412m	1.273m	869.0m
2	1	15M	51.9u	-	-	782.0m
3	3	15M	57.9u	1.485m	1.628m	762.1m
4	2	8M	57.5u	1.342m	-	723.9m
5	2	8M	74.3u	1.923m	-	857.1m
6	2	18M	98.8u	1.663m	-	790.1m
7	2	11M	70.5u	1.228m	-	507.0m
8	3	15M	57.6u	1.530m	1.108m	723.0m
9	1	16M	72.5u	-	-	385.1m
10	2	14M	96.5u	1.690m	-	874.4m
11	2	12M	87.3u	1.012m	-	723.7m
12	2	8M	79.1u	1.437m	-	835.1m

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT20_04						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	19M	57.7u	-	-	344.2m
2	3	17M	81.0u	1.256m	1.562m	8.179m
3	3	12M	62.1u	1.657m	1.259m	490.9m
4	2	10M	56.1u	1.138m	-	101.4m
5	2	18M	71.7u	1.702m	-	492.1m
6	2	13M	66.4u	1.338m	-	296.9m
7	3	17M	68.0u	1.106m	1.585m	472.0m
8	2	19M	61.7u	1.147m	-	277.5m
9	1	13M	65.2u	-	-	624.2m
10	3	9M	58.0u	1.671m	1.766m	711.9m
11	2	7M	59.8u	1.203m	-	729.9m
12	2	15M	96.1u	1.465m	-	341.9m
13	3	6M	81.3u	1.145m	1.324m	307.1m
14	3	15M	57.2u	1.795m	1.867m	552.1m
15	2	9M	88.5u	1.276m	-	349.8m
16	2	6M	60.2u	1.224m	-	146.6m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_05

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	85.8u	1.120m	-	372.2m
2	1	11M	60.5u	-	-	120.5m
3	1	6M	61.1u	-	-	5.844m
4	3	14M	99.3u	991.7u	1.440m	510.9m
5	2	17M	95.4u	1.673m	-	778.5m
6	2	18M	52.8u	1.660m	-	457.7m
7	2	5M	89.9u	1.280m	-	107.1m
8	1	11M	61.5u	-	-	371.7m
9	2	12M	67.3u	1.393m	-	315.0m
10	1	17M	68.8u	-	-	786.2m
11	3	16M	95.8u	1.476m	1.224m	200.2m
12	2	8M	52.9u	1.421m	-	429.4m
13	3	18M	73.3u	1.151m	1.485m	457.7m
14	3	14M	77.9u	1.005m	1.255m	56.64m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_06

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	19M	50.8u	-	-	796.2m
2	1	17M	67.3u	-	-	728.2m
3	1	18M	83.6u	-	-	576.0m
4	1	8M	95.5u	-	-	211.8m
5	2	9M	78.5u	1.420m	-	393.0m
6	2	18M	89.0u	1.301m	-	275.0m
7	2	12M	57.1u	1.607m	-	712.4m
8	3	8M	59.6u	1.117m	1.541m	165.8m
9	1	15M	78.8u	-	-	146.2m
10	1	7M	60.0u	-	-	305.0m
11	1	8M	51.1u	-	-	924.2m
12	1	9M	97.6u	-	-	152.3m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_07

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	15M	97.7u	1.518m	1.643m	500.2m
2	1	8M	95.3u	-	-	547.6m
3	2	12M	62.9u	1.169m	-	792.5m
4	3	7M	53.1u	1.760m	1.805m	826.3m
5	1	8M	67.7u	-	-	1.247
6	2	16M	54.3u	1.629m	-	665.6m
7	1	10M	65.0u	-	-	1.044
8	3	10M	78.8u	1.168m	1.657m	1.081
9	2	13M	91.1u	1.072m	-	87.92m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_08

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	82.7u	998.3u	-	625.2m
2	3	7M	88.7u	1.333m	1.136m	650.5m
3	2	20M	66.2u	1.543m	-	59.28m
4	2	17M	63.3u	1.488m	-	397.8m
5	2	17M	73.7u	1.144m	-	138.0m
6	2	16M	70.2u	1.330m	-	454.2m
7	2	12M	77.6u	1.154m	-	117.5m
8	2	6M	96.9u	1.670m	-	577.8m
9	2	11M	59.6u	1.548m	-	277.7m
10	2	17M	92.3u	1.406m	-	100.9m
11	2	16M	60.4u	1.469m	-	259.1m
12	3	8M	69.7u	1.652m	1.913m	51.43m
13	2	13M	80.1u	1.359m	-	322.8m
14	3	17M	56.6u	1.424m	1.235m	676.7m
15	3	15M	55.9u	1.330m	1.209m	704.7m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_09

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	70.6u	1.546m	-	544.1m
2	2	19M	70.9u	1.186m	-	202.1m
3	3	11M	69.4u	1.336m	1.751m	148.8m
4	2	8M	89.0u	1.400m	-	42.70m
5	1	19M	91.9u	-	-	83.86m
6	3	17M	87.3u	1.520m	1.863m	58.20m
7	1	16M	66.8u	-	-	428.1m
8	2	18M	75.1u	1.004m	-	534.8m
9	2	19M	88.2u	1.087m	-	328.7m
10	2	17M	56.3u	1.753m	-	468.3m
11	3	13M	90.5u	1.419m	1.396m	344.3m
12	3	9M	62.3u	1.782m	1.548m	52.46m
13	2	11M	76.1u	1.639m	-	564.7m
14	1	10M	77.1u	-	-	370.0m
15	2	8M	65.0u	1.095m	-	560.7m
16	2	11M	57.7u	1.156m	-	547.7m
17	2	12M	69.9u	962.1u	-	174.9m
18	2	8M	65.7u	1.435m	-	460.7m
19	1	5M	74.8u	-	-	574.1m
20	3	8M	59.3u	1.040m	1.776m	249.9m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_10

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	82.9u	1.360m	1.238m	310.8m
2	2	9M	79.6u	1.239m	-	293.1m
3	3	12M	96.4u	1.116m	1.154m	1.354
4	1	17M	83.8u	-	-	631.6m
5	2	10M	94.2u	976.8u	-	247.8m
6	2	17M	59.9u	1.271m	-	1.044
7	1	18M	70.6u	-	-	995.8m
8	3	7M	74.5u	1.059m	1.900m	1.298



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_11

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	94.1u	1.121m	1.105m	543.0m
2	2	15M	52.7u	1.881m	-	139.4m
3	1	6M	77.3u	-	-	323.8m
4	3	12M	79.2u	1.349m	1.135m	35.29m
5	2	11M	59.6u	1.359m	-	657.2m
6	2	5M	88.8u	1.155m	-	248.9m
7	2	17M	87.4u	1.886m	-	121.1m
8	1	12M	70.0u	-	-	130.6m
9	2	17M	73.3u	942.7u	-	192.4m
10	3	16M	61.7u	1.621m	1.880m	289.5m
11	2	13M	67.9u	1.226m	-	106.5m
12	3	16M	92.5u	1.171m	1.333m	459.7m
13	1	6M	86.3u	-	-	509.7m
14	2	14M	60.3u	1.125m	-	32.90m
15	3	16M	58.5u	1.482m	1.151m	540.5m
16	3	10M	50.1u	1.291m	1.134m	96.14m
17	2	18M	72.9u	1.013m	-	413.3m
18	1	6M	75.8u	-	-	102.4m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_12

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	95.9u	1.753m	-	463.3m
2	3	14M	60.6u	1.923m	1.360m	696.1m
3	2	16M	74.8u	1.780m	-	344.9m
4	1	5M	77.3u	-	-	634.4m
5	2	15M	99.8u	1.836m	-	349.1m
6	3	19M	82.1u	1.829m	1.354m	502.5m
7	2	19M	87.3u	1.569m	-	659.4m
8	2	10M	79.7u	1.129m	-	428.7m
9	2	9M	69.8u	1.078m	-	390.3m
10	2	8M	86.6u	1.184m	-	744.4m
11	2	7M	62.0u	1.658m	-	385.1m
12	2	19M	63.0u	1.255m	-	631.1m
13	2	8M	50.1u	1.529m	-	189.4m
14	2	12M	58.3u	1.498m	-	706.7m
15	3	16M	89.8u	1.772m	1.271m	341.6m
16	2	16M	67.1u	959.9u	-	221.4m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_13

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	9M	86.7u	1.251m	996.3u	1.006
2	2	17M	55.6u	1.361m	-	420.4m
3	2	5M	83.8u	1.294m	-	300.0m
4	2	11M	78.4u	1.130m	-	285.3m
5	2	10M	59.6u	1.091m	-	673.4m
6	3	13M	68.0u	1.521m	1.279m	744.0m
7	2	11M	53.2u	1.713m	-	581.0m
8	2	12M	76.9u	1.717m	-	1.010
9	3	16M	71.5u	1.897m	1.782m	803.8m
10	3	7M	71.3u	1.135m	1.753m	835.2m
11	3	18M	57.7u	1.475m	1.365m	91.96m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_14

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	93.9u	1.477m	1.896m	709.8m
2	2	7M	61.4u	1.186m	-	366.4m
3	3	12M	80.3u	1.070m	1.900m	71.58m
4	1	7M	92.2u	-	-	435.6m
5	2	13M	96.0u	915.0u	-	378.2m
6	2	9M	55.9u	1.017m	-	608.0m
7	3	19M	93.9u	1.461m	1.739m	681.0m
8	2	18M	50.3u	1.151m	-	324.4m
9	2	14M	82.2u	1.517m	-	498.5m
10	2	7M	97.3u	987.7u	-	151.7m
11	2	8M	94.5u	1.106m	-	316.3m
12	1	19M	55.9u	-	-	624.0m
13	2	16M	57.7u	1.045m	-	178.7m
14	2	12M	58.7u	1.824m	-	636.1m
15	2	10M	99.2u	1.751m	-	195.3m
16	1	7M	79.5u	-	-	535.8m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_15

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	64.1u	1.471m	-	464.4m
2	2	18M	70.7u	1.189m	-	642.4m
3	1	17M	71.4u	-	-	127.5m
4	1	11M	92.9u	-	-	225.0m
5	2	8M	80.7u	1.690m	-	675.9m
6	1	16M	71.5u	-	-	145.4m
7	1	18M	58.3u	-	-	329.3m
8	3	20M	73.7u	1.180m	1.741m	382.1m
9	3	9M	84.2u	1.368m	1.164m	807.1m
10	1	12M	92.2u	-	-	208.8m
11	1	14M	65.2u	-	-	307.6m
12	2	17M	92.6u	1.175m	-	523.0m
13	3	18M	50.8u	1.365m	1.703m	113.6m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT20_16						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	59.8u	1.587m	-	322.2m
2	2	19M	54.2u	1.667m	-	443.1m
3	3	18M	88.4u	1.233m	1.757m	195.0m
4	2	8M	88.9u	1.584m	-	320.3m
5	3	20M	78.9u	1.250m	1.574m	611.4m
6	1	10M	79.9u	-	-	595.2m
7	2	14M	72.6u	1.378m	-	440.0m
8	3	7M	76.5u	1.907m	1.110m	281.8m
9	3	18M	85.9u	964.1u	1.337m	587.3m
10	1	20M	50.5u	-	-	319.3m
11	2	6M	98.6u	1.331m	-	408.3m
12	1	6M	93.3u	-	-	30.11m
13	2	20M	75.9u	1.917m	-	366.8m
14	2	12M	79.6u	1.139m	-	312.5m
15	2	16M	55.1u	1.372m	-	462.7m
16	2	14M	95.9u	1.144m	-	70.40m
17	2	13M	63.8u	1.069m	-	55.26m
18	2	6M	67.0u	1.859m	-	309.0m

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT20_17						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	57.8u	1.225m	-	291.0m
2	1	10M	72.4u	-	-	578.1m
3	2	18M	86.1u	1.684m	-	342.1m
4	2	17M	71.5u	1.476m	-	601.6m
5	3	7M	96.6u	1.091m	1.482m	89.94m
6	2	14M	55.5u	1.658m	-	364.8m
7	3	10M	64.2u	1.829m	992.8u	677.5m
8	1	19M	74.2u	-	-	624.4m
9	2	5M	66.8u	1.019m	-	37.39m
10	1	10M	52.0u	-	-	822.6m
11	1	15M	86.4u	-	-	200.7m
12	2	13M	74.0u	948.0u	-	80.81m
13	2	7M	60.4u	1.656m	-	809.1m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_18

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	16M	69.2u	-	-	360.3m
2	2	17M	74.2u	1.050m	-	1.034
3	3	9M	97.5u	1.486m	1.359m	689.3m
4	2	16M	82.3u	1.134m	-	871.2m
5	3	13M	57.9u	965.1u	1.644m	776.5m
6	1	14M	52.8u	-	-	205.2m
7	2	18M	63.0u	1.479m	-	1.015
8	1	17M	90.4u	-	-	538.0m
9	3	5M	90.4u	1.855m	1.461m	87.25m
10	2	11M	64.4u	1.338m	-	497.6m
11	2	8M	86.3u	1.355m	-	236.2m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_19

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	20M	66.7u	1.811m	-	454.8m
2	1	6M	68.6u	-	-	448.8m
3	2	6M	81.9u	1.491m	-	28.43m
4	2	7M	89.9u	1.641m	-	430.7m
5	3	15M	78.5u	978.5u	1.252m	496.7m
6	2	16M	86.2u	1.237m	-	593.1m
7	3	12M	88.2u	1.908m	1.165m	546.6m
8	2	19M	82.3u	1.505m	-	321.2m
9	2	14M	78.0u	1.216m	-	557.5m
10	1	8M	59.3u	-	-	182.5m
11	3	7M	67.1u	938.9u	1.626m	370.8m
12	3	16M	82.9u	1.896m	1.131m	236.8m
13	1	20M	95.0u	-	-	89.70m
14	1	13M	63.2u	-	-	205.4m
15	2	8M	83.0u	1.761m	-	401.5m
16	3	16M	71.0u	1.594m	1.589m	282.4m
17	2	18M	76.2u	1.007m	-	450.1m
18	2	15M	94.5u	1.020m	-	133.2m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT20_20
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	20M	58.4u	1.495m	-	401.3m
2	2	17M	95.4u	1.371m	-	746.2m
3	2	19M	65.0u	1.733m	-	172.5m
4	2	17M	93.0u	1.087m	-	739.6m
5	3	12M	83.3u	1.149m	1.064m	1.024
6	3	15M	86.4u	1.617m	1.518m	370.7m
7	2	9M	86.4u	981.6u	-	419.4m
8	1	6M	84.2u	-	-	943.6m
9	2	8M	62.6u	1.819m	-	996.8m
10	2	15M	98.7u	1.029m	-	244.2m
11	1	5M	99.8u	-	-	36.52m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT20_21
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	75.7u	1.443m	-	535.7m
2	2	11M	98.9u	962.1u	-	17.46m
3	1	14M	78.3u	-	-	464.1m
4	3	7M	66.7u	1.868m	1.515m	274.1m
5	2	16M	85.5u	1.332m	-	533.0m
6	3	11M	94.2u	950.8u	986.8u	172.2m
7	3	9M	87.9u	1.291m	1.871m	295.8m
8	2	7M	60.1u	1.757m	-	629.7m
9	2	10M	59.1u	1.483m	-	397.3m
10	2	20M	75.0u	1.358m	-	346.2m
11	2	17M	69.6u	1.860m	-	52.98m
12	3	9M	78.0u	1.571m	1.606m	361.9m
13	3	6M	60.7u	1.373m	1.385m	561.4m
14	2	18M	58.9u	1.162m	-	425.2m
15	2	15M	85.1u	1.084m	-	400.6m
16	2	7M	91.1u	1.766m	-	676.0m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_22

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	6M	95.9u	-	-	497.4m
2	3	5M	50.1u	1.340m	1.690m	63.76m
3	3	6M	73.8u	1.042m	1.247m	175.5m
4	2	7M	62.9u	1.390m	-	558.0m
5	2	11M	72.5u	942.5u	-	220.2m
6	3	8M	77.4u	1.263m	1.405m	505.2m
7	2	8M	54.1u	1.161m	-	478.8m
8	2	12M	86.2u	1.116m	-	556.5m
9	3	9M	76.5u	1.481m	1.184m	610.5m
10	1	11M	62.8u	-	-	445.6m
11	2	15M	64.7u	1.673m	-	615.9m
12	1	16M	79.3u	-	-	649.0m
13	2	11M	58.7u	1.575m	-	298.9m
14	1	8M	89.9u	-	-	638.6m
15	2	6M	59.9u	1.064m	-	223.5m
16	2	5M	57.2u	1.614m	-	139.3m
17	3	8M	73.1u	1.233m	1.680m	109.4m
18	2	19M	76.4u	961.6u	-	560.8m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_23

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	64.5u	1.234m	-	125.3m
2	2	11M	61.8u	995.2u	-	353.4m
3	2	5M	56.7u	1.751m	-	118.7m
4	2	7M	99.8u	1.583m	-	1.238
5	2	12M	68.0u	1.326m	-	406.9m
6	1	15M	54.7u	-	-	1.001
7	2	16M	90.4u	1.252m	-	512.4m
8	2	9M	52.0u	965.0u	-	901.1m
9	2	19M	67.8u	1.732m	-	451.3m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_24

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	77.0u	1.453m	-	62.50m
2	1	15M	90.5u	-	-	263.9m
3	3	19M	78.4u	1.556m	1.001m	157.5m
4	1	19M	94.4u	-	-	8.057m
5	2	12M	63.8u	1.591m	-	246.5m
6	1	16M	66.8u	-	-	469.9m
7	2	18M	78.1u	1.433m	-	379.3m
8	3	7M	54.1u	1.203m	1.924m	94.88m
9	2	16M	93.8u	1.901m	-	305.3m
10	1	7M	50.7u	-	-	46.86m
11	2	8M	57.7u	1.585m	-	181.6m
12	2	12M	75.3u	1.918m	-	249.9m
13	3	13M	68.0u	1.087m	1.104m	309.3m
14	3	9M	51.8u	1.749m	1.116m	406.6m
15	2	9M	93.5u	1.787m	-	107.9m
16	2	16M	95.8u	1.371m	-	331.2m
17	3	10M	61.2u	1.708m	1.069m	209.8m
18	1	17M	93.7u	-	-	165.5m
19	2	11M	78.7u	1.812m	-	5.658m
20	3	15M	73.0u	1.844m	1.769m	164.6m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_25

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	12M	53.6u	-	-	410.7m
2	3	8M	94.4u	1.420m	1.698m	977.8m
3	2	14M	59.3u	1.341m	-	152.2m
4	3	9M	53.1u	1.512m	1.292m	861.0m
5	2	12M	59.1u	1.291m	-	770.6m
6	3	15M	73.5u	1.277m	1.470m	647.5m
7	2	19M	69.2u	1.269m	-	933.0m
8	2	19M	94.5u	946.5u	-	9.563m
9	2	17M	97.4u	1.250m	-	941.3m
10	1	17M	89.6u	-	-	708.1m
11	2	18M	70.8u	1.064m	-	1.086



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_26

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	81.3u	-	-	324.5m
2	1	9M	98.5u	-	-	580.0m
3	2	5M	76.5u	1.470m	-	153.5m
4	1	20M	70.4u	-	-	260.3m
5	1	10M	80.7u	-	-	611.0m
6	2	15M	77.6u	1.592m	-	1.177
7	2	16M	73.8u	1.760m	-	66.42m
8	2	19M	89.2u	1.147m	-	86.42m
9	2	7M	50.7u	1.389m	-	556.0m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT20_27

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	70.3u	980.7u	1.161m	155.6m
2	2	15M	84.2u	1.254m	-	889.8m
3	2	10M	53.1u	1.343m	-	806.5m
4	2	14M	51.5u	1.292m	-	850.3m
5	2	15M	70.4u	1.248m	-	672.4m
6	2	15M	90.7u	951.3u	-	1.306
7	1	17M	74.3u	-	-	37.97m
8	1	12M	59.0u	-	-	455.7m
9	2	11M	62.8u	943.2u	-	641.2m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT20_28
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	87.4u	1.784m	-	763.6m
2	2	6M	85.0u	1.437m	-	696.2m
3	2	11M	55.6u	1.046m	-	45.28m
4	2	9M	63.8u	1.855m	-	783.3m
5	2	5M	78.1u	1.443m	-	754.5m
6	1	13M	76.8u	-	-	372.9m
7	2	17M	56.4u	1.886m	-	761.8m
8	2	16M	71.5u	1.632m	-	307.0m
9	1	11M	80.9u	-	-	70.43m
10	1	19M	65.4u	-	-	456.7m
11	2	8M	50.1u	1.686m	-	421.5m
12	2	13M	65.9u	1.301m	-	249.9m
13	3	8M	66.6u	1.572m	1.890m	733.0m
14	3	7M	63.7u	1.161m	1.404m	710.9m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT20_29
Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	16M	99.3u	-	-	749.8m
2	2	16M	59.2u	1.818m	-	1.228
3	3	17M	78.6u	955.4u	943.4u	1.079
4	2	7M	60.6u	1.402m	-	1.217
5	3	20M	68.9u	1.783m	1.190m	238.0m
6	2	18M	79.0u	1.506m	-	1.077
7	3	16M	90.3u	1.635m	1.730m	643.6m
8	2	7M	52.2u	1.418m	-	12.74m
9	3	11M	70.4u	1.223m	1.845m	112.9m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT20_30						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	82.6u	1.502m	-	327.5m
2	2	11M	94.7u	1.836m	-	708.6m
3	2	19M	56.4u	1.277m	-	969.6m
4	2	11M	81.2u	1.649m	-	282.9m
5	1	8M	56.1u	-	-	89.15m
6	2	13M	99.3u	1.419m	-	89.76m
7	1	19M	72.0u	-	-	146.3m
8	1	14M	79.3u	-	-	501.8m
9	2	15M	79.4u	956.6u	-	486.6m
10	2	16M	96.9u	1.759m	-	723.1m
11	2	6M	73.2u	1.401m	-	868.5m
12	2	14M	76.6u	1.889m	-	880.3m

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_01						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	15M	61.0u	-	-	79.66m
2	2	15M	54.4u	1.315m	-	582.8m
3	2	20M	68.2u	1.765m	-	578.6m
4	1	8M	78.4u	-	-	456.4m
5	1	15M	91.8u	-	-	229.4m
6	3	16M	86.9u	1.262m	941.1u	74.40m
7	3	11M	84.1u	1.512m	1.076m	324.2m
8	2	7M	51.8u	1.215m	-	1.686m
9	2	15M	54.7u	1.187m	-	273.2m
10	2	15M	91.9u	1.493m	-	545.0m
11	3	12M	75.4u	1.479m	1.308m	428.1m
12	2	17M	77.3u	1.438m	-	453.9m
13	3	20M	56.5u	1.278m	1.689m	340.5m
14	2	18M	62.8u	1.058m	-	43.67m
15	1	7M	69.3u	-	-	526.4m
16	2	11M	97.7u	1.381m	-	206.6m
17	2	20M	70.7u	1.219m	-	269.4m
18	3	16M	78.6u	1.032m	1.858m	351.4m
19	3	18M	80.5u	1.371m	968.5u	340.7m



A D T

Long Pulse Radar Test Signal
 Test Signal Name: HGA_LP_HT40_02
 Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	93.7u	1.898m	-	528.4m
2	1	19M	70.1u	-	-	1.209
3	2	6M	65.7u	1.095m	-	1.329
4	1	13M	80.1u	-	-	1.084
5	3	14M	61.4u	1.423m	1.808m	1.092
6	3	17M	93.2u	1.246m	1.758m	432.5m
7	2	6M	51.5u	1.054m	-	121.3m
8	2	7M	79.4u	1.678m	-	219.2m
9	2	17M	77.4u	1.356m	-	1.209

Long Pulse Radar Test Signal
 Test Signal Name: HGA_LP_HT40_03
 Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	5M	90.0u	1.642m	1.877m	695.1m
2	3	19M	75.9u	1.075m	1.155m	480.1m
3	2	13M	96.5u	1.040m	-	505.2m
4	3	9M	61.4u	1.074m	1.913m	554.3m
5	3	7M	54.2u	1.484m	1.567m	182.9m
6	2	18M	69.3u	1.001m	-	564.3m
7	2	7M	51.8u	1.223m	-	246.2m
8	1	8M	96.5u	-	-	248.2m
9	2	10M	74.7u	1.903m	-	453.5m
10	1	16M	98.8u	-	-	559.7m
11	3	6M	62.7u	1.846m	1.003m	399.1m
12	2	7M	84.8u	1.746m	-	372.1m
13	3	7M	65.7u	1.554m	1.569m	661.2m
14	3	11M	94.5u	1.579m	1.743m	210.3m
15	2	6M	55.9u	1.897m	-	306.0m
16	1	8M	76.9u	-	-	353.8m
17	2	10M	63.4u	1.474m	-	249.2m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_04						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	85.3u	1.291m	-	1.159
2	1	8M	65.8u	-	-	393.4m
3	1	17M	83.3u	-	-	608.0m
4	2	7M	61.1u	1.448m	-	330.6m
5	3	8M	81.9u	1.685m	1.545m	1.174
6	2	15M	52.9u	1.456m	-	637.8m
7	1	15M	71.9u	-	-	869.4m
8	2	10M	96.9u	1.507m	-	1.483

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_05						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	62.6u	941.4u	-	418.9m
2	2	19M	75.0u	1.746m	-	160.9m
3	2	7M	52.3u	977.7u	-	62.09m
4	1	7M	97.0u	-	-	903.0m
5	1	5M	64.4u	-	-	568.3m
6	1	7M	58.2u	-	-	636.7m
7	2	18M	62.6u	1.128m	-	303.0m
8	2	19M	53.8u	1.612m	-	705.7m
9	3	15M	64.7u	1.760m	1.386m	717.7m
10	2	6M	64.2u	1.798m	-	203.6m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_06

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	57.1u	966.9u	-	665.4m
2	1	15M	99.3u	-	-	161.6m
3	3	18M	72.6u	1.849m	1.678m	545.9m
4	2	17M	97.7u	1.392m	-	191.5m
5	1	18M	83.3u	-	-	385.8m
6	2	11M	75.8u	1.314m	-	636.4m
7	3	7M	75.1u	987.9u	1.420m	543.1m
8	2	5M	53.6u	1.897m	-	529.8m
9	2	18M	54.7u	1.906m	-	268.9m
10	3	19M	93.3u	1.577m	1.289m	376.0m
11	1	13M	70.0u	-	-	699.7m
12	1	5M	87.5u	-	-	635.5m
13	3	15M	61.0u	1.421m	1.069m	390.3m
14	3	18M	82.9u	1.601m	1.032m	117.2m
15	2	16M	76.6u	1.332m	-	358.8m
16	2	16M	92.8u	1.820m	-	51.71m
17	1	10M	72.7u	-	-	351.2m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_07						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	62.5u	1.798m	-	240.7m
2	3	15M	70.2u	983.8u	1.419m	535.3m
3	1	16M	92.3u	-	-	387.7m
4	3	17M	55.4u	1.904m	1.585m	250.2m
5	1	12M	59.3u	-	-	235.3m
6	3	12M	91.9u	1.435m	1.129m	140.8m
7	1	9M	50.8u	-	-	235.1m
8	2	8M	76.1u	1.534m	-	362.4m
9	2	10M	94.4u	980.6u	-	261.0m
10	1	13M	96.0u	-	-	426.1m
11	2	13M	50.7u	1.365m	-	643.1m
12	3	9M	80.0u	1.443m	1.296m	573.8m
13	2	13M	98.9u	996.1u	-	537.1m
14	2	12M	75.4u	1.009m	-	458.8m
15	1	13M	55.5u	-	-	25.55m
16	1	7M	86.0u	-	-	36.07m
17	2	18M	77.6u	1.061m	-	448.2m
18	3	16M	63.5u	1.169m	1.084m	490.3m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_08						
Number of Bursts in Trial: 16						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	52.2u	1.313m	-	548.2m
2	1	7M	60.2u	-	-	3.962m
3	2	11M	93.7u	1.564m	-	722.5m
4	2	15M	96.7u	1.583m	-	107.5m
5	2	7M	77.2u	1.680m	-	201.5m
6	2	19M	96.6u	1.289m	-	614.4m
7	1	15M	65.4u	-	-	643.7m
8	3	9M	63.8u	1.931m	1.324m	360.4m
9	1	15M	82.0u	-	-	440.4m
10	2	10M	95.2u	1.851m	-	300.6m
11	2	11M	61.1u	1.889m	-	296.0m
12	2	12M	50.2u	1.904m	-	181.2m
13	2	18M	76.8u	1.313m	-	82.08m
14	1	15M	51.8u	-	-	675.4m
15	1	14M	78.0u	-	-	279.9m
16	3	20M	77.0u	1.576m	1.677m	213.2m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_09
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	18M	80.9u	1.516m	1.083m	73.32m
2	2	9M	68.6u	1.303m	-	544.8m
3	3	14M	78.2u	1.301m	1.356m	256.9m
4	2	12M	91.6u	1.448m	-	124.3m
5	1	13M	50.2u	-	-	378.3m
6	2	19M	51.5u	1.904m	-	30.47m
7	2	7M	99.8u	1.234m	-	100.9m
8	2	16M	70.9u	1.203m	-	304.1m
9	1	17M	64.4u	-	-	495.6m
10	3	19M	94.5u	1.512m	1.063m	620.5m
11	2	15M	84.1u	1.780m	-	177.0m
12	2	20M	81.6u	1.833m	-	392.4m
13	1	19M	90.5u	-	-	624.5m
14	2	5M	68.8u	1.829m	-	128.9m
15	2	5M	66.8u	1.366m	-	431.0m
16	2	13M	72.9u	1.563m	-	40.75m
17	1	12M	73.9u	-	-	166.4m
18	2	18M	57.9u	1.094m	-	235.0m
19	3	8M	96.1u	1.609m	1.828m	120.9m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_10
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	13M	68.4u	-	-	520.0m
2	2	13M	72.5u	1.880m	-	581.5m
3	1	8M	59.8u	-	-	394.9m
4	2	19M	66.2u	971.8u	-	233.5m
5	2	17M	88.9u	1.882m	-	497.9m
6	2	7M	63.6u	1.463m	-	31.77m
7	1	15M	68.7u	-	-	407.3m
8	2	12M	89.4u	1.112m	-	309.4m
9	2	19M	53.6u	1.650m	-	166.5m
10	2	11M	85.5u	1.672m	-	428.5m
11	3	13M	75.0u	1.151m	1.649m	189.1m
12	2	10M	50.8u	1.846m	-	498.3m
13	2	17M	97.2u	1.346m	-	631.8m
14	1	12M	95.3u	-	-	663.6m
15	3	12M	53.0u	1.342m	1.157m	707.7m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_11
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	58.3u	1.855m	-	329.8m
2	2	19M	89.0u	1.440m	-	41.60m
3	2	18M	54.0u	1.062m	-	805.8m
4	1	12M	63.5u	-	-	523.5m
5	2	16M	82.4u	1.305m	-	918.0m
6	2	6M	61.7u	1.736m	-	412.4m
7	2	19M	50.2u	1.908m	-	193.2m
8	2	15M	95.2u	1.038m	-	856.7m
9	2	5M	91.5u	938.5u	-	824.3m
10	2	13M	78.9u	1.707m	-	1.043
11	2	17M	77.6u	1.067m	-	862.6m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_12
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	18M	97.7u	1.792m	937.3u	513.4m
2	2	9M	83.4u	1.218m	-	199.0m
3	2	6M	86.6u	1.402m	-	1.068
4	1	5M	76.1u	-	-	269.4m
5	2	11M	99.6u	1.172m	-	266.4m
6	1	10M	96.1u	-	-	586.0m
7	1	14M	57.1u	-	-	206.4m
8	3	14M	80.3u	1.886m	1.099m	793.9m
9	1	13M	58.7u	-	-	555.1m
10	3	7M	97.8u	1.774m	1.517m	881.8m
11	2	9M	92.1u	1.723m	-	514.5m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_13
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	62.8u	1.923m	-	284.4m
2	2	10M	52.5u	1.002m	-	134.7m
3	3	17M	61.2u	1.667m	1.688m	661.9m
4	1	14M	70.6u	-	-	457.9m
5	1	12M	69.7u	-	-	131.9m
6	2	17M	65.8u	1.199m	-	111.2m
7	3	11M	75.7u	1.215m	965.3u	176.9m
8	3	11M	85.8u	1.156m	1.883m	520.6m
9	2	9M	60.8u	1.380m	-	405.2m
10	1	6M	97.3u	-	-	385.8m
11	3	18M	93.9u	1.032m	1.469m	528.0m
12	2	18M	79.8u	1.374m	-	355.8m
13	3	6M	75.2u	971.8u	1.548m	231.7m
14	1	6M	52.4u	-	-	291.2m
15	2	9M	54.1u	1.780m	-	358.3m
16	3	10M	71.5u	1.435m	1.427m	435.0m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_14

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	70.8u	-	-	1.197
2	2	19M	50.2u	1.805m	-	1.253
3	2	5M	70.8u	1.010m	-	744.2m
4	1	6M	82.4u	-	-	1.278
5	1	13M	94.5u	-	-	589.0m
6	2	16M	78.6u	1.258m	-	1.329
7	1	15M	53.6u	-	-	579.8m
8	1	20M	57.8u	-	-	99.65m
9	3	5M	59.5u	1.556m	1.141m	742.3m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_15

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	16M	50.2u	-	-	250.7m
2	3	9M	96.9u	1.504m	1.572m	271.3m
3	3	5M	78.9u	1.108m	1.250m	904.4m
4	1	15M	76.8u	-	-	11.71m
5	3	18M	57.1u	1.409m	1.662m	856.1m
6	2	8M	76.8u	1.167m	-	915.1m
7	1	9M	56.4u	-	-	477.4m
8	3	13M	81.7u	1.432m	1.003m	733.2m
9	2	7M	57.0u	1.727m	-	419.0m
10	1	13M	69.0u	-	-	864.3m
11	1	8M	82.2u	-	-	364.4m
12	2	20M	57.1u	1.616m	-	821.4m
13	1	6M	80.0u	-	-	23.47m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_16

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	62.7u	1.323m	-	104.7m
2	1	9M	87.0u	-	-	652.1m
3	1	5M	77.9u	-	-	383.4m
4	3	16M	52.4u	1.483m	1.823m	647.2m
5	3	18M	86.5u	1.865m	1.190m	631.4m
6	1	11M	64.6u	-	-	300.6m
7	1	11M	62.3u	-	-	481.7m
8	2	20M	73.4u	1.894m	-	89.25m
9	1	15M	67.9u	-	-	687.6m
10	3	8M	60.1u	1.861m	1.645m	415.8m
11	3	12M	92.5u	1.451m	1.120m	284.7m
12	2	11M	74.0u	1.541m	-	687.0m
13	1	10M	82.6u	-	-	164.0m
14	3	20M	91.7u	1.337m	1.870m	544.0m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_17

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	19M	78.4u	-	-	298.7m
2	3	16M	96.0u	1.624m	1.471m	193.8m
3	3	8M	91.6u	1.690m	1.580m	1.108
4	3	10M	54.2u	1.918m	1.606m	281.2m
5	2	7M	99.3u	1.381m	-	1.091
6	1	15M	86.9u	-	-	720.0m
7	1	10M	79.2u	-	-	1.208
8	2	11M	88.5u	1.543m	-	332.1m
9	3	17M	66.3u	1.710m	1.218m	777.3m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_18						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	52.1u	1.524m	-	597.9m
2	2	8M	84.6u	1.219m	-	135.4m
3	2	16M	86.7u	1.784m	-	197.9m
4	2	17M	88.4u	1.191m	-	1.011
5	2	8M	65.8u	1.898m	-	998.5m
6	2	10M	96.1u	1.502m	-	40.48m
7	3	13M	57.5u	1.884m	1.768m	1.098
8	2	10M	99.4u	1.547m	-	860.4m
9	2	12M	84.4u	1.056m	-	748.0m

Long Pulse Radar Test Signal						
Test Signal Name: HGA_LP_HT40_19						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	54.4u	1.099m	-	764.6m
2	3	15M	86.2u	1.590m	1.009m	551.4m
3	1	13M	72.4u	-	-	105.1m
4	2	14M	93.6u	1.892m	-	165.4m
5	2	7M	99.9u	1.448m	-	784.4m
6	2	12M	58.2u	1.034m	-	350.1m
7	2	15M	96.9u	1.213m	-	459.4m
8	3	10M	75.8u	1.433m	1.640m	360.2m
9	1	17M	87.4u	-	-	551.7m
10	2	5M	67.7u	1.661m	-	301.6m
11	2	12M	53.7u	1.199m	-	113.0m
12	3	10M	87.1u	1.585m	1.056m	494.4m
13	2	15M	56.7u	1.266m	-	749.3m
14	3	14M	84.1u	1.528m	1.444m	532.5m
15	2	10M	90.8u	1.147m	-	318.7m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_20

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	60.5u	1.673m	965.5u	17.74m
2	1	6M	88.0u	-	-	1.041
3	2	16M	57.8u	1.080m	-	161.5m
4	2	16M	82.6u	1.872m	-	1.161
5	3	7M	86.8u	1.594m	1.710m	393.8m
6	3	6M	85.3u	916.7u	1.328m	491.9m
7	2	11M	83.7u	1.501m	-	1.112
8	2	18M	90.3u	1.741m	-	380.4m
9	3	11M	82.9u	1.143m	1.473m	433.2m
10	2	16M	93.3u	1.384m	-	640.2m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_21

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	16M	55.7u	-	-	156.4m
2	3	16M	92.8u	940.2u	1.059m	138.1m
3	2	17M	96.8u	1.885m	-	105.7m
4	2	9M	57.4u	959.6u	-	621.2m
5	1	8M	80.5u	-	-	558.0m
6	1	15M	79.4u	-	-	662.5m
7	2	18M	98.7u	1.707m	-	569.0m
8	2	17M	65.3u	1.239m	-	574.3m
9	1	14M	52.3u	-	-	151.9m
10	2	10M	71.4u	949.6u	-	426.0m
11	2	9M	78.9u	1.524m	-	429.8m
12	1	15M	85.1u	-	-	301.0m
13	3	7M	90.8u	1.418m	1.020m	390.5m
14	2	19M	99.3u	1.447m	-	456.9m
15	3	9M	75.6u	1.037m	1.630m	483.0m
16	1	7M	68.5u	-	-	318.2m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_22

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	86.3u	1.768m	-	391.9m
2	2	12M	63.7u	1.845m	-	528.9m
3	2	8M	52.6u	1.893m	-	43.25m
4	2	15M	72.2u	1.219m	-	310.6m
5	2	19M	85.7u	1.629m	-	93.23m
6	3	17M	65.7u	1.322m	1.668m	498.4m
7	1	14M	81.3u	-	-	296.6m
8	2	8M	62.6u	1.162m	-	521.2m
9	1	12M	81.4u	-	-	104.5m
10	2	11M	83.3u	1.302m	-	216.7m
11	2	15M	96.6u	1.230m	-	374.1m
12	3	14M	78.9u	957.1u	1.548m	440.6m
13	2	19M	58.9u	1.034m	-	589.6m
14	3	19M	66.6u	970.4u	1.385m	335.7m
15	3	15M	89.9u	1.804m	1.777m	367.7m
16	3	10M	85.8u	1.536m	1.393m	11.24m
17	3	19M	50.0u	1.055m	1.320m	274.7m
18	2	15M	76.0u	1.623m	-	408.2m
19	2	12M	75.9u	1.740m	-	578.3m
20	2	8M	68.8u	1.509m	-	411.5m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_23

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	82.2u	1.425m	-	99.55m
2	1	6M	51.9u	-	-	416.0m
3	2	6M	66.2u	1.866m	-	507.5m
4	2	6M	82.8u	1.670m	-	566.1m
5	1	9M	99.4u	-	-	854.4m
6	3	20M	58.3u	1.872m	1.117m	798.1m
7	1	11M	76.5u	-	-	1.202
8	3	15M	81.5u	962.5u	1.390m	1.112
9	2	8M	94.9u	1.625m	-	755.4m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_24

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	63.1u	955.9u	1.455m	259.1m
2	1	19M	87.4u	-	-	199.9m
3	1	18M	72.2u	-	-	290.9m
4	1	16M	64.1u	-	-	253.2m
5	3	7M	78.3u	951.7u	995.7u	149.5m
6	2	18M	85.3u	995.7u	-	302.6m
7	3	19M	57.9u	1.374m	1.649m	154.7m
8	3	8M	72.6u	995.4u	1.561m	157.9m
9	2	15M	88.0u	1.329m	-	240.7m
10	2	17M	92.2u	1.827m	-	488.6m
11	1	19M	99.8u	-	-	197.4m
12	2	8M	84.3u	1.644m	-	498.3m
13	3	13M	91.2u	1.332m	1.009m	50.53m
14	1	5M	60.0u	-	-	605.8m
15	2	8M	51.4u	1.808m	-	570.9m
16	2	19M	94.9u	1.609m	-	393.8m
17	2	8M	69.4u	1.896m	-	505.7m

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_25

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	10M	65.2u	1.523m	1.134m	781.1m
2	1	15M	72.4u	-	-	51.33m
3	1	13M	81.2u	-	-	689.5m
4	2	11M	76.8u	1.616m	-	796.7m
5	3	20M	53.1u	1.784m	950.9u	435.4m
6	1	10M	50.5u	-	-	614.0m
7	1	15M	99.1u	-	-	923.4m
8	2	9M	93.0u	1.226m	-	21.52m
9	1	8M	86.8u	-	-	431.7m
10	2	9M	56.9u	1.178m	-	1.001
11	2	15M	66.7u	968.3u	-	370.8m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_26
Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	63.4u	941.6u	-	736.1m
2	1	9M	91.0u	-	-	423.4m
3	2	12M	83.8u	1.042m	-	655.1m
4	2	19M	75.0u	1.315m	-	82.41m
5	2	7M	95.4u	1.491m	-	782.3m
6	2	10M	91.6u	1.470m	-	80.97m
7	3	6M	50.8u	1.847m	1.577m	730.7m
8	3	17M	60.9u	1.894m	1.843m	537.4m
9	3	12M	76.2u	951.8u	1.198m	200.5m
10	2	14M	87.3u	1.306m	-	52.63m
11	2	6M	79.7u	1.474m	-	496.1m
12	1	6M	74.1u	-	-	325.5m
13	2	6M	89.4u	1.063m	-	622.1m
14	2	17M	99.7u	1.350m	-	210.6m
15	3	11M	76.5u	1.362m	975.5u	357.0m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_27
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	74.9u	1.651m	-	1.147
2	2	11M	63.7u	1.062m	-	334.1m
3	2	18M	53.9u	1.772m	-	160.6m
4	2	19M	55.1u	1.011m	-	406.0m
5	2	9M	86.8u	933.2u	-	832.2m
6	2	18M	87.3u	1.910m	-	456.9m
7	3	12M	56.8u	1.045m	1.109m	932.6m
8	2	6M	51.5u	1.629m	-	390.9m
9	3	15M	91.9u	1.271m	1.475m	714.2m
10	2	16M	56.6u	1.015m	-	360.8m



A D T

Long Pulse Radar Test Signal

Test Signal Name: HGA_LP_HT40_28

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	15M	86.1u	-	-	591.5m
2	2	9M	52.2u	1.289m	-	146.8m
3	3	13M	95.1u	1.645m	1.876m	114.7m
4	2	12M	91.9u	1.245m	-	16.25m
5	2	17M	83.1u	1.448m	-	443.1m
6	1	19M	80.6u	-	-	74.95m
7	3	12M	77.0u	1.864m	1.045m	595.1m
8	2	11M	73.3u	985.7u	-	17.11m
9	2	7M	72.2u	1.031m	-	595.5m
10	2	15M	92.9u	1.698m	-	424.3m
11	1	10M	77.5u	-	-	392.5m
12	3	12M	92.1u	1.769m	1.745m	468.5m
13	2	19M	64.0u	1.782m	-	467.0m
14	2	17M	96.8u	1.329m	-	76.58m
15	1	13M	99.7u	-	-	448.0m
16	3	6M	63.3u	1.311m	1.004m	449.1m
17	2	6M	94.9u	1.123m	-	195.0m
18	2	18M	65.9u	1.508m	-	661.5m



A D T

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_29
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	56.0u	1.033m	-	565.6m
2	3	14M	85.3u	1.255m	1.169m	529.2m
3	3	13M	79.1u	1.204m	1.873m	579.5m
4	1	6M	60.4u	-	-	861.2m
5	2	11M	78.0u	1.528m	-	844.6m
6	1	11M	84.2u	-	-	74.20m
7	1	9M	53.7u	-	-	123.5m
8	1	20M	51.0u	-	-	715.2m
9	3	12M	63.5u	1.905m	1.246m	797.0m
10	2	18M	58.3u	1.131m	-	431.1m
11	2	10M	97.1u	1.545m	-	648.0m
12	2	14M	51.2u	1.910m	-	663.0m
13	2	16M	88.7u	1.225m	-	146.1m

Long Pulse Radar Test Signal
Test Signal Name: HGA_LP_HT40_30
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	17M	65.0u	-	-	249.5m
2	2	15M	94.2u	1.594m	-	541.7m
3	2	12M	98.1u	1.605m	-	473.4m
4	2	16M	80.1u	1.590m	-	102.6m
5	3	14M	65.0u	1.126m	1.033m	509.2m
6	3	7M	84.9u	975.1u	1.712m	503.9m
7	3	17M	75.6u	1.189m	1.085m	333.6m
8	2	12M	56.7u	1.575m	-	498.6m
9	2	19M	85.9u	1.706m	-	356.2m
10	3	9M	71.2u	1.576m	1.684m	608.3m
11	2	6M	58.4u	1.521m	-	24.55m
12	2	8M	81.1u	1.474m	-	472.2m
13	2	15M	73.0u	1.365m	-	499.7m
14	1	15M	66.0u	-	-	105.3m
15	2	5M	62.6u	959.4u	-	179.3m
16	3	13M	79.2u	1.763m	997.8u	3.393m



Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_01
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	86.5u	1.327m	-	636.4m
2	2	19M	78.9u	1.877m	-	532.4m
3	2	7M	71.0u	1.867m	-	726.0m
4	3	14M	78.2u	1.549m	1.548m	440.1m
5	2	8M	89.9u	977.1u	-	671.7m
6	2	11M	72.1u	1.489m	-	509.4m
7	3	12M	57.2u	1.784m	1.785m	169.5m
8	1	9M	53.1u	-	-	665.7m
9	1	14M	73.8u	-	-	755.1m
10	2	14M	53.7u	1.400m	-	155.5m
11	3	7M	64.5u	1.217m	1.736m	144.1m
12	2	19M	77.7u	1.856m	-	693.9m
13	1	11M	53.7u	-	-	598.1m
14	3	14M	95.8u	1.394m	1.703m	47.94m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_02
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	98.6u	1.504m	-	445.0m
2	3	20M	67.8u	1.084m	1.148m	717.2m
3	1	12M	66.2u	-	-	85.11m
4	3	19M	56.4u	1.875m	1.357m	268.8m
5	2	7M	66.5u	1.018m	-	576.2m
6	3	17M	54.6u	1.153m	1.482m	370.6m
7	2	7M	50.4u	1.396m	-	618.8m
8	2	9M	89.7u	1.225m	-	9.973m
9	2	15M	67.5u	1.638m	-	743.5m
10	2	5M	58.3u	1.737m	-	345.3m
11	1	9M	78.3u	-	-	680.9m
12	2	8M	57.5u	1.474m	-	296.1m
13	1	6M	94.2u	-	-	508.8m
14	3	8M	94.3u	917.7u	1.638m	239.6m
15	2	17M	60.4u	1.046m	-	430.0m
16	1	10M	74.7u	-	-	402.3m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_03

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	98.0u	1.261m	-	472.0m
2	1	16M	98.0u	-	-	43.42m
3	3	14M	94.0u	1.372m	1.143m	571.0m
4	2	8M	53.2u	1.208m	-	157.9m
5	2	11M	95.2u	1.092m	-	47.77m
6	3	18M	61.8u	1.482m	1.116m	317.5m
7	3	13M	57.0u	1.880m	1.485m	817.5m
8	1	20M	52.9u	-	-	551.9m
9	2	12M	83.4u	1.661m	-	378.6m
10	1	20M	82.8u	-	-	56.23m
11	1	8M	58.8u	-	-	707.7m
12	2	15M	96.3u	1.006m	-	990.6m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_04

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	17M	50.4u	1.608m	-	60.72m
2	3	5M	50.4u	1.347m	1.664m	410.3m
3	2	6M	80.9u	1.395m	-	866.8m
4	2	14M	53.5u	1.536m	-	207.7m
5	1	14M	95.1u	-	-	234.8m
6	1	20M	87.3u	-	-	1.066
7	1	13M	97.8u	-	-	536.8m
8	3	19M	70.0u	1.182m	1.414m	995.8m
9	3	9M	89.7u	1.450m	1.285m	608.5m



Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_05

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	17M	96.6u	1.604m	1.776m	293.8m
2	2	13M	61.3u	1.911m	-	531.4m
3	1	19M	53.2u	-	-	78.20m
4	1	7M	85.9u	-	-	416.4m
5	2	16M	89.1u	1.638m	-	276.0m
6	2	12M	59.7u	1.410m	-	536.3m
7	3	19M	70.2u	1.637m	1.665m	208.3m
8	3	15M	66.4u	1.609m	1.441m	363.4m
9	2	13M	54.7u	1.213m	-	239.2m
10	2	8M	85.3u	951.7u	-	386.1m
11	3	13M	71.3u	1.475m	1.709m	269.8m
12	3	9M	92.3u	1.022m	1.788m	481.5m
13	2	14M	75.7u	1.262m	-	361.8m
14	2	16M	57.0u	1.795m	-	220.9m
15	1	16M	51.5u	-	-	443.0m
16	1	6M	76.0u	-	-	211.6m
17	3	15M	75.6u	1.169m	1.454m	29.18m
18	3	18M	59.3u	1.835m	1.575m	92.79m
19	3	13M	95.8u	992.2u	1.673m	449.7m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_06

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	20M	82.7u	1.708m	1.672m	1.307
2	2	6M	64.9u	1.383m	-	1.119
3	3	19M	89.6u	1.711m	1.103m	147.0m
4	1	11M	79.6u	-	-	1.008
5	2	7M	81.7u	1.872m	-	1.120
6	2	19M	84.6u	1.856m	-	296.8m
7	3	16M	83.5u	1.731m	1.869m	5.340m
8	3	19M	75.0u	1.079m	1.505m	1.240
9	2	9M	97.1u	1.474m	-	255.7m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_07
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	11M	68.8u	-	-	254.7m
2	3	7M	65.4u	1.235m	1.781m	216.1m
3	3	11M	85.5u	1.263m	1.391m	467.5m
4	3	11M	50.6u	1.474m	1.296m	179.0m
5	1	11M	81.9u	-	-	65.11m
6	2	16M	96.3u	1.031m	-	289.6m
7	1	5M	89.1u	-	-	154.5m
8	2	15M	87.5u	1.494m	-	220.1m
9	2	11M	52.8u	1.138m	-	169.2m
10	3	18M	61.5u	1.309m	1.584m	221.3m
11	2	16M	66.3u	1.741m	-	14.98m
12	2	6M	95.1u	1.551m	-	473.9m
13	3	11M	73.3u	1.618m	939.7u	194.0m
14	2	17M	83.3u	1.145m	-	340.6m
15	3	20M	59.3u	1.878m	1.343m	598.8m
16	3	8M	60.5u	1.184m	1.859m	32.64m
17	1	8M	60.8u	-	-	251.1m
18	2	14M	50.8u	1.239m	-	22.85m
19	1	12M	81.2u	-	-	419.4m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_08
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	51.1u	-	-	439.0m
2	3	12M	62.5u	1.259m	1.204m	133.9m
3	1	7M	75.4u	-	-	198.3m
4	1	13M	95.0u	-	-	527.6m
5	1	7M	77.5u	-	-	632.2m
6	3	7M	64.2u	1.247m	1.858m	141.4m
7	2	10M	51.0u	1.785m	-	505.2m
8	1	20M	76.8u	-	-	147.7m
9	2	9M	71.6u	1.020m	-	116.4m
10	2	18M	84.4u	1.282m	-	406.5m
11	2	10M	50.1u	1.584m	-	147.3m
12	1	15M	56.2u	-	-	128.5m
13	1	16M	92.1u	-	-	177.6m
14	1	19M	95.4u	-	-	155.5m
15	3	7M	74.5u	1.691m	1.424m	174.7m
16	1	14M	80.6u	-	-	405.5m
17	2	10M	51.2u	1.301m	-	92.55m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_09
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	100.0u	1.154m	-	434.6m
2	2	18M	71.5u	1.484m	-	206.1m
3	2	20M	98.2u	1.290m	-	180.6m
4	2	11M	59.2u	1.872m	-	470.1m
5	2	17M	73.3u	1.215m	-	594.0m
6	1	8M	64.9u	-	-	297.8m
7	2	9M	50.3u	1.506m	-	818.5m
8	2	14M	88.4u	1.018m	-	221.7m
9	2	10M	67.6u	1.742m	-	790.7m
10	3	6M	66.2u	1.055m	1.214m	95.42m
11	2	8M	74.3u	1.290m	-	387.6m
12	3	19M	79.3u	1.300m	1.711m	23.93m
13	3	6M	57.5u	1.602m	1.210m	819.7m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_10						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	6M	54.2u	-	-	1.367
2	2	14M	54.4u	1.350m	-	1.463
3	3	18M	78.2u	1.429m	1.509m	452.0m
4	1	16M	56.0u	-	-	670.4m
5	1	7M	70.4u	-	-	885.8m
6	2	17M	75.3u	1.880m	-	190.4m
7	1	13M	63.8u	-	-	1.213
8	3	8M	81.6u	1.239m	1.185m	923.8m

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_11						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	59.2u	1.574m	1.174m	356.8m
2	3	20M	91.4u	1.298m	973.6u	884.1m
3	2	14M	97.4u	1.800m	-	280.2m
4	1	9M	91.2u	-	-	224.9m
5	1	7M	78.7u	-	-	426.0m
6	2	18M	64.1u	1.137m	-	580.6m
7	1	16M	60.4u	-	-	575.4m
8	1	7M	52.6u	-	-	743.2m
9	2	12M	63.9u	1.138m	-	591.8m
10	2	16M	64.1u	1.512m	-	50.06m
11	3	15M	57.7u	1.723m	1.868m	178.4m
12	1	15M	51.1u	-	-	45.30m
13	2	12M	95.0u	1.224m	-	823.2m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_12
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	57.0u	1.562m	-	871.6m
2	1	18M	62.5u	-	-	400.5m
3	2	11M	68.5u	1.805m	-	524.0m
4	2	13M	69.9u	1.354m	-	728.7m
5	1	15M	54.1u	-	-	810.5m
6	2	9M	64.8u	1.454m	-	274.8m
7	1	9M	62.7u	-	-	40.36m
8	2	8M	87.5u	1.726m	-	911.8m
9	2	14M	53.2u	1.646m	-	218.1m
10	1	12M	95.5u	-	-	790.4m
11	2	13M	61.1u	1.656m	-	193.9m
12	2	14M	94.3u	991.7u	-	661.8m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_13
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	11M	100.0u	1.712m	-	40.63m
2	2	18M	92.4u	1.242m	-	395.6m
3	2	18M	73.2u	1.553m	-	365.6m
4	1	7M	73.6u	-	-	228.3m
5	3	19M	72.7u	1.624m	1.155m	473.7m
6	1	11M	58.4u	-	-	403.4m
7	2	18M	51.6u	1.207m	-	479.2m
8	1	15M	97.6u	-	-	38.23m
9	2	9M	58.3u	980.7u	-	455.6m
10	2	10M	62.1u	1.390m	-	522.3m
11	3	9M	96.3u	1.380m	1.210m	54.84m
12	2	6M	91.3u	1.512m	-	281.3m
13	2	14M	85.5u	1.095m	-	415.8m
14	2	17M	58.0u	1.251m	-	3.033m
15	2	11M	81.9u	1.709m	-	690.4m
16	2	20M	90.1u	1.017m	-	449.8m
17	3	15M	70.5u	1.136m	1.706m	451.5m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_14						
Number of Bursts in Trial: 13						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	65.2u	-	-	105.4m
2	1	17M	92.9u	-	-	777.5m
3	2	17M	70.3u	1.607m	-	459.6m
4	1	19M	58.5u	-	-	869.8m
5	1	10M	87.3u	-	-	404.5m
6	2	12M	59.0u	1.680m	-	570.4m
7	3	14M	66.1u	1.833m	1.670m	546.5m
8	2	18M	60.3u	1.206m	-	508.6m
9	2	8M	79.7u	1.111m	-	125.0m
10	3	9M	67.1u	1.752m	1.667m	724.2m
11	1	10M	80.9u	-	-	566.8m
12	1	5M	89.3u	-	-	834.5m
13	2	9M	96.5u	1.504m	-	628.0m

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_15						
Number of Bursts in Trial: 8						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	9M	86.4u	1.497m	1.236m	1.344
2	2	6M	78.8u	1.789m	-	930.8m
3	2	13M	90.1u	1.903m	-	1.446
4	2	15M	99.7u	1.524m	-	1.331
5	3	19M	54.0u	1.565m	1.742m	533.0m
6	1	16M	55.0u	-	-	460.4m
7	3	12M	66.7u	1.302m	1.211m	608.2m
8	1	12M	69.7u	-	-	1.197



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_16
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	20M	98.9u	1.596m	1.107m	486.4m
2	2	17M	98.5u	1.530m	-	409.6m
3	2	16M	62.1u	1.922m	-	261.1m
4	3	13M	99.6u	1.146m	1.571m	396.8m
5	3	11M	65.6u	966.4u	1.076m	191.9m
6	2	18M	95.7u	1.191m	-	495.4m
7	2	11M	93.8u	1.772m	-	398.4m
8	2	18M	90.7u	1.338m	-	594.7m
9	1	5M	97.9u	-	-	298.0m
10	2	18M	87.3u	1.053m	-	29.75m
11	2	18M	89.6u	1.551m	-	249.2m
12	2	11M	98.6u	1.412m	-	217.6m
13	1	7M	54.1u	-	-	406.9m
14	1	12M	64.5u	-	-	426.5m
15	2	11M	99.5u	1.530m	-	490.0m
16	3	9M	77.1u	1.335m	1.073m	530.9m
17	2	7M	50.5u	975.5u	-	174.6m
18	2	15M	59.2u	1.836m	-	415.3m
19	2	11M	55.9u	1.013m	-	23.32m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_17
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	72.1u	1.319m	-	323.6m
2	2	9M	83.4u	1.799m	-	478.8m
3	2	19M	91.1u	1.587m	-	413.5m
4	1	12M	70.6u	-	-	903.5m
5	2	8M	87.7u	1.452m	-	791.6m
6	2	12M	88.3u	1.507m	-	791.7m
7	2	14M	97.3u	1.775m	-	907.8m
8	1	9M	97.9u	-	-	476.0m
9	1	14M	85.9u	-	-	270.6m
10	2	11M	95.7u	1.793m	-	356.9m
11	3	15M	79.5u	1.170m	1.161m	18.36m
12	1	11M	85.4u	-	-	802.0m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_18

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	62.7u	1.403m	-	251.7m
2	2	8M	58.6u	1.622m	-	458.8m
3	2	15M	90.2u	1.257m	-	909.5m
4	2	18M	89.5u	990.5u	-	167.7m
5	3	7M	64.6u	1.281m	978.4u	374.1m
6	3	20M	88.7u	1.013m	1.435m	607.4m
7	2	6M	63.2u	1.393m	-	379.3m
8	1	10M	82.1u	-	-	435.5m
9	3	7M	89.6u	1.335m	971.4u	29.16m
10	2	5M	89.4u	1.715m	-	474.9m
11	3	8M	76.8u	1.073m	1.535m	748.0m
12	2	16M	77.2u	1.235m	-	731.3m
13	3	12M	59.9u	1.131m	947.1u	915.1m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_19

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	77.3u	1.551m	-	933.4m
2	2	10M	93.5u	1.481m	-	913.4m
3	2	7M	76.5u	1.785m	-	841.3m
4	3	8M	90.9u	968.1u	1.088m	418.3m
5	2	13M	71.8u	1.296m	-	22.44m
6	2	16M	65.2u	1.083m	-	650.1m
7	3	10M	70.6u	1.890m	1.101m	621.6m
8	1	10M	50.6u	-	-	71.28m
9	2	7M	70.0u	1.518m	-	807.4m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_20
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	11M	56.5u	-	-	99.02m
2	1	17M	76.5u	-	-	525.8m
3	2	13M	99.1u	1.876m	-	655.9m
4	2	7M	50.0u	980.0u	-	22.09m
5	2	15M	76.5u	1.512m	-	21.15m
6	1	8M	74.7u	-	-	74.26m
7	2	16M	81.6u	1.172m	-	833.4m
8	3	15M	65.5u	990.5u	1.420m	871.4m
9	3	10M	61.3u	1.039m	1.460m	200.8m
10	1	12M	70.0u	-	-	508.1m
11	3	11M	70.7u	1.026m	1.899m	195.1m
12	2	15M	67.4u	1.408m	-	266.4m
13	1	19M	54.7u	-	-	868.3m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_21
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	93.5u	-	-	586.7m
2	3	9M	60.2u	989.8u	1.207m	40.20m
3	2	17M	74.0u	1.517m	-	111.5m
4	2	19M	75.3u	1.692m	-	83.58m
5	2	14M	72.9u	1.535m	-	183.4m
6	3	20M	74.6u	1.633m	1.519m	416.6m
7	1	12M	79.5u	-	-	565.4m
8	2	10M	70.6u	1.883m	-	366.8m
9	1	15M	97.6u	-	-	176.6m
10	3	5M	60.0u	1.472m	1.207m	729.7m
11	2	8M	84.6u	1.243m	-	623.6m
12	2	8M	53.6u	1.306m	-	212.3m
13	3	13M	78.5u	1.432m	1.247m	415.1m
14	2	14M	55.0u	1.209m	-	617.7m
15	1	7M	97.2u	-	-	69.04m
16	2	9M	93.8u	1.682m	-	422.0m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_22						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	91.0u	1.674m	-	622.4m
2	2	18M	87.8u	1.414m	-	63.47m
3	2	7M	83.6u	1.823m	-	500.8m
4	1	17M	61.0u	-	-	9.469m
5	3	9M	70.5u	1.136m	1.378m	301.3m
6	2	19M	74.1u	1.822m	-	82.53m
7	2	8M	88.1u	1.221m	-	590.3m
8	2	13M	55.4u	1.693m	-	274.2m
9	3	15M	56.2u	1.204m	1.017m	427.8m
10	2	17M	56.8u	1.805m	-	430.5m
11	3	19M	63.3u	1.352m	1.331m	130.9m
12	2	17M	63.2u	1.095m	-	151.6m
13	2	16M	71.5u	1.384m	-	559.3m
14	2	7M	97.1u	1.698m	-	236.2m
15	2	12M	67.8u	1.553m	-	505.1m
16	2	13M	76.7u	1.187m	-	594.0m
17	3	19M	68.1u	1.500m	1.064m	232.5m
18	1	7M	58.1u	-	-	584.6m
19	1	9M	86.7u	-	-	150.0m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_23
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	88.7u	1.074m	-	407.7m
2	3	8M	56.5u	1.372m	1.270m	473.6m
3	3	8M	51.9u	1.217m	1.395m	490.5m
4	3	8M	51.7u	1.205m	1.251m	320.4m
5	1	10M	67.1u	-	-	82.15m
6	1	9M	61.7u	-	-	542.3m
7	3	5M	65.7u	1.635m	1.631m	213.3m
8	2	7M	61.2u	1.266m	-	594.8m
9	3	9M	72.3u	1.568m	1.442m	625.2m
10	1	17M	50.3u	-	-	79.01m
11	3	12M	54.5u	1.293m	1.173m	87.11m
12	2	5M	65.8u	1.079m	-	325.9m
13	2	6M	92.1u	1.877m	-	338.2m
14	2	17M	85.8u	1.379m	-	386.3m
15	2	19M	59.2u	1.653m	-	323.3m
16	3	15M	56.2u	1.495m	1.676m	434.6m
17	2	19M	65.2u	1.844m	-	260.9m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_24

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	75.2u	1.589m	-	773.7m
2	1	7M	73.3u	-	-	442.6m
3	2	11M	54.7u	1.863m	-	195.1m
4	3	13M	88.4u	1.806m	1.635m	313.4m
5	2	17M	67.5u	1.284m	-	665.0m
6	1	7M	75.1u	-	-	830.4m
7	2	6M	79.7u	1.608m	-	452.0m
8	2	7M	92.6u	1.627m	-	853.8m
9	2	10M	79.0u	1.744m	-	759.3m
10	2	19M	62.7u	1.765m	-	256.7m
11	2	17M	73.3u	1.135m	-	295.4m
12	3	16M	99.7u	944.3u	1.513m	551.9m
13	2	13M	53.1u	1.360m	-	565.3m
14	2	9M	61.9u	1.078m	-	4.330m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_25

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	81.0u	1.470m	1.837m	497.4m
2	2	6M	92.0u	1.848m	-	719.6m
3	2	9M	51.7u	1.616m	-	358.6m
4	2	17M	75.9u	983.1u	-	180.5m
5	1	16M	54.2u	-	-	337.0m
6	2	14M	80.9u	1.333m	-	618.5m
7	2	8M	87.7u	1.690m	-	521.8m
8	2	6M	62.8u	1.021m	-	117.9m
9	1	13M	61.4u	-	-	310.8m
10	2	11M	53.2u	1.432m	-	398.3m
11	1	15M	75.4u	-	-	128.7m
12	2	6M	61.7u	1.848m	-	648.9m
13	2	5M	74.5u	1.002m	-	655.6m
14	2	20M	79.3u	1.147m	-	31.91m
15	3	17M	98.7u	1.301m	1.815m	304.0m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_26						
Number of Bursts in Trial: 15						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	72.3u	1.784m	1.686m	208.4m
2	1	14M	76.6u	-	-	519.0m
3	1	19M	85.8u	-	-	675.9m
4	1	15M	83.9u	-	-	534.9m
5	2	12M	71.5u	1.812m	-	56.25m
6	3	16M	65.5u	1.077m	1.211m	790.5m
7	2	9M	67.5u	1.487m	-	122.6m
8	2	17M	53.7u	1.488m	-	790.0m
9	2	9M	50.8u	1.532m	-	546.2m
10	3	19M	67.6u	1.037m	1.849m	130.7m
11	1	10M	51.6u	-	-	626.0m
12	3	13M	78.7u	989.3u	1.742m	661.3m
13	2	19M	55.8u	1.703m	-	109.6m
14	1	14M	95.3u	-	-	9.697m
15	2	20M	96.8u	1.114m	-	429.4m

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_A_27						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	57.5u	1.134m	-	926.8m
2	3	18M	62.5u	1.697m	1.916m	746.4m
3	1	20M	72.6u	-	-	312.2m
4	2	19M	91.2u	1.234m	-	1.261
5	3	5M	78.4u	1.589m	1.546m	179.6m
6	1	8M	77.2u	-	-	1.199
7	2	6M	98.3u	1.337m	-	864.8m
8	2	9M	85.2u	1.450m	-	1.042
9	3	19M	99.0u	1.816m	1.437m	985.1m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_A_28

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	18M	74.1u	959.9u	1.233m	626.0m
2	2	11M	53.5u	1.509m	-	310.1m
3	2	20M	66.3u	1.510m	-	485.7m
4	1	15M	51.5u	-	-	538.0m
5	2	16M	92.1u	1.158m	-	383.0m
6	3	12M	54.1u	1.676m	1.047m	434.2m
7	2	16M	92.2u	1.805m	-	489.2m
8	2	13M	50.2u	1.468m	-	191.1m
9	2	16M	70.5u	1.796m	-	106.7m
10	2	12M	64.6u	1.506m	-	635.5m
11	2	17M	89.5u	1.845m	-	89.30m
12	2	15M	66.0u	1.699m	-	483.2m
13	2	6M	68.7u	1.379m	-	356.4m
14	3	18M	95.8u	1.720m	1.407m	51.96m
15	2	20M	60.9u	1.667m	-	611.3m
16	2	15M	87.7u	1.058m	-	381.9m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_29
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	85.4u	1.404m	-	380.8m
2	3	13M	56.2u	1.351m	1.940m	433.5m
3	2	11M	66.5u	1.102m	-	331.6m
4	2	18M	89.4u	1.875m	-	430.7m
5	2	14M	60.7u	945.3u	-	590.2m
6	3	11M	89.8u	1.153m	1.122m	605.4m
7	2	13M	72.5u	1.236m	-	372.2m
8	3	5M	85.9u	971.1u	1.162m	131.8m
9	3	8M	66.2u	1.870m	1.079m	132.2m
10	2	13M	97.5u	1.139m	-	469.1m
11	2	17M	79.3u	1.633m	-	352.9m
12	2	13M	93.1u	1.519m	-	406.7m
13	1	8M	82.9u	-	-	196.1m
14	2	11M	77.1u	1.766m	-	280.8m
15	1	15M	57.8u	-	-	407.8m
16	2	13M	98.2u	1.046m	-	597.9m
17	2	11M	77.8u	1.318m	-	38.64m
18	3	12M	89.6u	1.257m	1.370m	481.9m
19	3	20M	99.7u	1.022m	1.786m	454.6m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_A_30
Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	19M	53.5u	-	-	80.78m
2	2	15M	89.0u	1.136m	-	397.8m
3	2	19M	95.4u	1.350m	-	315.6m
4	2	7M	94.9u	1.030m	-	47.52m
5	2	6M	50.6u	1.062m	-	554.4m
6	1	18M	94.7u	-	-	104.0m
7	3	6M	84.2u	1.539m	1.904m	433.0m
8	1	9M	62.6u	-	-	241.1m
9	3	10M	80.3u	1.550m	1.875m	466.0m
10	2	6M	91.1u	1.376m	-	365.5m
11	2	19M	98.1u	1.384m	-	128.0m
12	1	6M	84.7u	-	-	110.9m
13	1	10M	96.3u	-	-	11.88m
14	2	19M	82.8u	1.346m	-	429.8m
15	2	13M	88.1u	1.503m	-	60.29m
16	1	15M	60.2u	-	-	216.6m
17	1	19M	87.0u	-	-	10.36m
18	3	14M	73.1u	1.065m	1.568m	428.7m
19	2	11M	95.2u	1.280m	-	303.9m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_01
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	59.0u	-	-	143.0m
2	3	16M	94.7u	932.3u	1.059m	3.931m
3	2	13M	64.2u	1.490m	-	652.5m
4	2	8M	56.0u	1.046m	-	52.04m
5	3	18M	57.3u	1.073m	1.610m	91.95m
6	3	5M	58.4u	1.591m	1.915m	148.2m
7	1	10M	79.4u	-	-	38.76m
8	3	8M	95.6u	1.620m	1.680m	518.2m
9	1	18M	99.3u	-	-	199.3m
10	2	10M	62.1u	1.077m	-	682.7m
11	2	10M	64.4u	1.803m	-	291.8m
12	1	17M	96.0u	-	-	206.1m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_02

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	72.5u	1.682m	-	701.7m
2	2	12M	77.4u	1.297m	-	431.0m
3	2	14M	73.5u	952.5u	-	150.6m
4	3	6M	55.0u	1.120m	1.778m	59.25m
5	2	17M	83.0u	1.491m	-	689.3m
6	1	8M	95.5u	-	-	326.5m
7	2	15M	81.0u	1.507m	-	834.4m
8	1	20M	71.8u	-	-	778.8m
9	3	15M	54.4u	1.549m	1.528m	284.6m
10	1	7M	72.6u	-	-	722.7m
11	1	11M	74.3u	-	-	176.4m
12	3	15M	99.5u	1.411m	1.081m	204.6m
13	2	17M	89.3u	1.722m	-	450.2m
14	3	9M	63.7u	1.024m	1.113m	357.5m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_03

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	15M	70.8u	-	-	189.6m
2	3	6M	71.7u	1.500m	1.917m	631.5m
3	2	15M	63.7u	1.690m	-	678.4m
4	2	7M	81.6u	1.063m	-	302.8m
5	2	8M	83.9u	994.1u	-	615.1m
6	2	17M	70.5u	1.193m	-	332.9m
7	2	18M	88.5u	1.785m	-	157.5m
8	2	7M	97.2u	1.239m	-	720.6m
9	3	13M	77.8u	1.488m	1.480m	117.0m
10	1	8M	54.9u	-	-	356.5m
11	2	18M	98.6u	1.365m	-	641.4m
12	1	20M	87.9u	-	-	697.9m
13	1	9M	80.5u	-	-	211.2m
14	2	11M	85.3u	1.037m	-	769.5m
15	1	14M	75.3u	-	-	582.9m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_04
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	18M	67.0u	-	-	852.3m
2	1	6M	74.3u	-	-	466.0m
3	1	11M	64.2u	-	-	521.2m
4	1	15M	95.9u	-	-	798.5m
5	1	13M	72.7u	-	-	379.9m
6	2	17M	84.2u	1.172m	-	574.3m
7	1	12M	99.4u	-	-	877.7m
8	1	15M	67.9u	-	-	947.4m
9	3	8M	94.2u	1.323m	1.341m	361.9m
10	3	13M	67.7u	1.571m	1.683m	402.2m
11	2	11M	55.3u	991.7u	-	805.9m
12	2	19M	74.4u	1.732m	-	838.3m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_05
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	18M	81.0u	1.819m	953.0u	127.4m
2	2	6M	84.8u	1.662m	-	126.4m
3	2	6M	92.0u	1.416m	-	214.8m
4	3	14M	55.1u	1.449m	1.428m	856.1m
5	3	18M	52.8u	1.480m	1.079m	595.7m
6	2	13M	87.3u	1.450m	-	819.8m
7	2	15M	95.4u	1.289m	-	19.87m
8	2	15M	56.7u	1.485m	-	643.3m
9	2	13M	63.4u	1.094m	-	716.1m
10	1	14M	73.7u	-	-	737.0m
11	2	14M	56.8u	1.808m	-	738.0m
12	2	13M	66.9u	1.232m	-	419.1m
13	2	7M	62.4u	967.6u	-	461.0m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_HT20_06						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	15M	80.3u	1.833m	1.548m	286.5m
2	3	16M	99.9u	1.817m	1.842m	456.9m
3	3	16M	52.0u	1.695m	1.218m	412.4m
4	2	9M	59.7u	1.412m	-	166.8m
5	1	8M	90.4u	-	-	8.380m
6	2	7M	88.4u	1.746m	-	122.7m
7	2	16M	63.1u	1.040m	-	601.5m
8	1	10M	71.3u	-	-	451.7m
9	2	12M	83.0u	963.0u	-	372.0m
10	1	9M	66.6u	-	-	574.4m
11	2	9M	86.8u	1.249m	-	430.9m
12	2	18M	61.1u	1.817m	-	361.2m
13	1	7M	64.8u	-	-	423.1m
14	3	17M	89.2u	911.8u	1.644m	579.8m
15	2	20M	83.7u	1.398m	-	112.3m
16	2	14M	99.8u	1.602m	-	153.4m
17	2	6M	94.8u	1.157m	-	594.5m
18	2	10M	79.3u	1.227m	-	327.8m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_07
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	15M	90.5u	-	-	372.0m
2	1	12M	62.8u	-	-	190.0m
3	2	19M	75.1u	1.333m	-	105.3m
4	3	6M	51.0u	1.641m	1.900m	156.0m
5	2	11M	75.5u	1.360m	-	146.1m
6	2	9M	96.3u	1.592m	-	190.1m
7	1	19M	93.2u	-	-	371.0m
8	1	9M	60.4u	-	-	515.1m
9	2	15M	87.9u	1.604m	-	287.9m
10	1	10M	60.5u	-	-	606.6m
11	2	13M	68.9u	1.815m	-	655.9m
12	1	16M	55.3u	-	-	605.1m
13	1	19M	95.4u	-	-	207.9m
14	3	16M	95.3u	1.260m	1.082m	437.9m
15	3	18M	55.5u	1.507m	1.393m	543.1m
16	2	17M	93.0u	1.887m	-	548.8m
17	3	9M	56.7u	1.918m	966.3u	469.9m



Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_08
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	7M	53.3u	1.802m	-	340.8m
2	2	7M	97.3u	1.713m	-	456.3m
3	2	8M	83.3u	1.829m	-	469.8m
4	2	11M	51.3u	1.137m	-	202.0m
5	2	18M	80.6u	1.356m	-	290.8m
6	2	9M	98.7u	1.099m	-	105.2m
7	1	11M	52.4u	-	-	77.20m
8	3	9M	88.9u	1.684m	1.422m	645.4m
9	3	6M	91.1u	1.895m	1.646m	451.5m
10	2	15M	92.2u	1.358m	-	523.5m
11	3	7M	62.2u	1.176m	1.354m	551.2m
12	2	18M	67.9u	1.309m	-	454.7m
13	1	13M	62.1u	-	-	527.9m
14	3	17M	88.4u	1.333m	1.880m	656.5m
15	1	19M	79.8u	-	-	128.4m
16	1	6M	96.0u	-	-	719.5m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_09
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	92.5u	1.422m	-	764.8m
2	2	17M	95.0u	1.292m	-	492.5m
3	3	14M	91.8u	1.899m	924.2u	158.5m
4	2	20M	84.2u	1.012m	-	761.6m
5	1	16M	85.6u	-	-	532.3m
6	2	19M	100.0u	1.442m	-	1.034
7	2	6M	51.6u	1.418m	-	1.026
8	2	17M	82.5u	1.358m	-	350.4m
9	3	17M	93.1u	1.098m	1.289m	985.7m
10	2	14M	83.2u	1.592m	-	511.9m
11	2	16M	89.7u	1.629m	-	26.06m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_10
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	13M	78.7u	1.479m	-	267.2m
2	3	6M	76.7u	1.412m	1.026m	189.2m
3	2	11M	92.9u	1.730m	-	333.7m
4	3	16M	78.3u	1.860m	1.440m	136.0m
5	1	12M	99.6u	-	-	472.3m
6	3	8M	73.0u	1.757m	1.750m	558.8m
7	1	10M	98.8u	-	-	386.1m
8	2	14M	95.2u	1.037m	-	672.2m
9	3	17M	71.8u	1.311m	1.680m	51.86m
10	3	13M	95.7u	1.117m	1.302m	863.7m
11	2	20M	79.0u	1.617m	-	514.1m
12	2	13M	59.0u	1.707m	-	20.37m
13	2	16M	90.0u	1.800m	-	880.5m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_11
Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	13M	54.4u	-	-	439.9m
2	1	5M	54.6u	-	-	73.34m
3	1	12M	73.0u	-	-	769.2m
4	3	8M	97.6u	1.741m	1.785m	140.9m
5	2	17M	55.6u	1.937m	-	17.40m
6	2	17M	52.1u	1.786m	-	488.5m
7	2	12M	74.9u	1.138m	-	178.3m
8	2	14M	91.0u	1.202m	-	1.146
9	1	9M	95.2u	-	-	1.129



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_12

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	69.1u	1.512m	-	613.3m
2	3	12M	74.5u	1.777m	1.168m	27.55m
3	1	17M	76.8u	-	-	222.4m
4	1	8M	51.6u	-	-	680.2m
5	1	11M	86.2u	-	-	251.4m
6	2	5M	50.7u	1.278m	-	30.60m
7	1	8M	81.6u	-	-	672.8m
8	2	8M	65.5u	1.234m	-	99.21m
9	1	15M	98.2u	-	-	451.3m
10	1	17M	75.0u	-	-	271.8m
11	2	19M	61.0u	1.661m	-	673.7m
12	3	9M	67.8u	1.187m	1.747m	344.2m
13	1	8M	83.5u	-	-	415.0m
14	1	15M	95.0u	-	-	692.1m
15	2	9M	57.2u	1.655m	-	208.4m
16	2	7M	55.0u	1.458m	-	329.2m
17	2	12M	59.9u	1.711m	-	630.1m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_13

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	57.5u	1.715m	-	33.37m
2	2	8M	53.5u	1.380m	-	792.9m
3	2	9M	77.6u	1.913m	-	406.6m
4	3	17M	69.3u	1.707m	1.458m	902.5m
5	3	13M	84.0u	1.740m	1.652m	1.261
6	3	12M	99.4u	1.378m	1.141m	929.8m
7	2	9M	73.0u	1.683m	-	1.088
8	2	19M	50.3u	1.735m	-	1.089
9	3	7M	64.2u	1.638m	1.713m	1.099



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_14

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	7M	70.2u	-	-	5.388m
2	2	15M	92.9u	1.167m	-	342.7m
3	1	16M	83.2u	-	-	565.0m
4	2	16M	69.6u	1.191m	-	706.1m
5	2	11M	75.5u	1.878m	-	1.151
6	3	16M	94.3u	1.344m	1.248m	589.7m
7	2	10M	81.5u	1.210m	-	174.1m
8	1	12M	70.9u	-	-	647.4m
9	2	6M	70.0u	1.861m	-	421.9m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_15

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	53.6u	1.342m	-	671.0m
2	2	6M	58.1u	1.727m	-	651.5m
3	2	8M	60.3u	1.241m	-	259.7m
4	1	16M	82.8u	-	-	486.2m
5	2	9M	91.7u	1.222m	-	812.2m
6	3	19M	78.3u	1.132m	1.556m	581.1m
7	3	12M	60.3u	1.510m	1.148m	876.5m
8	2	14M	97.7u	1.741m	-	543.7m
9	3	10M	85.2u	1.518m	1.592m	895.5m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_16

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	75.4u	1.110m	-	163.3m
2	1	8M	58.1u	-	-	490.9m
3	2	18M	86.2u	1.176m	-	436.3m
4	1	8M	59.5u	-	-	257.2m
5	1	7M	63.5u	-	-	77.09m
6	3	8M	78.4u	1.492m	1.506m	17.14m
7	2	16M	59.6u	1.902m	-	204.9m
8	2	9M	63.0u	1.410m	-	143.7m
9	2	13M	59.5u	1.002m	-	343.5m
10	2	19M	53.9u	962.1u	-	215.6m
11	2	18M	84.5u	1.112m	-	572.9m
12	2	16M	79.1u	1.539m	-	109.5m
13	1	5M	67.0u	-	-	47.91m
14	2	9M	71.1u	1.666m	-	195.9m
15	2	10M	74.5u	1.485m	-	351.7m
16	2	11M	74.2u	1.425m	-	53.97m
17	2	14M	61.0u	1.557m	-	230.2m
18	1	10M	53.8u	-	-	46.57m
19	2	14M	60.0u	962.0u	-	507.1m
20	2	8M	87.5u	1.691m	-	22.13m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_17

Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	14M	74.6u	1.448m	1.421m	1.015
2	1	7M	60.8u	-	-	672.0m
3	2	12M	89.7u	1.175m	-	1.081
4	1	10M	96.2u	-	-	607.8m
5	2	16M	77.1u	1.394m	-	889.7m
6	1	16M	71.1u	-	-	726.7m
7	2	12M	79.0u	1.540m	-	373.5m
8	3	16M	66.3u	1.795m	1.111m	659.2m
9	3	18M	61.9u	1.689m	1.867m	949.2m
10	2	10M	89.6u	1.799m	-	1.110



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_HT20_18						
Number of Bursts in Trial: 10						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	79.2u	-	-	541.9m
2	1	18M	53.8u	-	-	232.1m
3	2	17M	99.7u	1.772m	-	62.93m
4	2	6M	57.1u	1.651m	-	496.2m
5	3	8M	51.3u	962.7u	970.7u	18.64m
6	3	20M	58.9u	980.1u	1.471m	867.0m
7	1	5M	50.6u	-	-	254.4m
8	2	16M	98.5u	1.038m	-	1.063
9	2	12M	65.0u	1.548m	-	187.2m
10	2	16M	88.1u	989.9u	-	591.6m

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_HT20_19						
Number of Bursts in Trial: 18						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	5M	90.4u	-	-	421.3m
2	1	12M	73.7u	-	-	601.6m
3	3	20M	75.0u	1.536m	1.575m	624.6m
4	2	17M	83.7u	1.694m	-	31.63m
5	2	14M	91.5u	1.655m	-	452.2m
6	2	14M	95.9u	1.794m	-	266.4m
7	2	12M	91.8u	1.858m	-	437.2m
8	2	14M	98.5u	1.400m	-	322.0m
9	3	17M	70.9u	1.313m	1.800m	577.1m
10	3	6M	83.4u	1.019m	1.730m	54.04m
11	2	13M	57.2u	1.351m	-	377.3m
12	2	8M	74.9u	1.275m	-	343.8m
13	2	10M	86.6u	1.510m	-	68.54m
14	1	18M	55.1u	-	-	103.8m
15	2	6M	74.2u	1.545m	-	60.92m
16	2	11M	82.6u	1.165m	-	247.0m
17	2	9M	71.3u	1.078m	-	560.0m
18	1	17M	90.6u	-	-	501.5m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_HT20_20						
Number of Bursts in Trial: 12						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	20M	71.6u	-	-	377.5m
2	1	6M	70.9u	-	-	555.6m
3	3	12M	96.9u	1.043m	983.1u	448.7m
4	1	13M	60.6u	-	-	17.90m
5	2	20M	87.0u	1.621m	-	780.2m
6	1	18M	60.7u	-	-	266.7m
7	1	9M	74.9u	-	-	507.5m
8	2	8M	95.0u	1.881m	-	630.3m
9	1	16M	93.3u	-	-	978.4m
10	1	5M	96.0u	-	-	301.1m
11	2	12M	51.6u	1.464m	-	9.860m
12	1	17M	54.7u	-	-	129.6m

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_HT20_21						
Number of Bursts in Trial: 9						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	51.7u	-	-	669.4m
2	2	12M	65.7u	1.677m	-	764.7m
3	3	10M	88.9u	1.005m	1.750m	1.152
4	2	5M	84.4u	1.270m	-	488.9m
5	2	12M	50.1u	1.319m	-	1.258
6	3	19M	80.9u	1.803m	1.659m	1.291
7	2	15M	61.4u	1.574m	-	1.155
8	2	15M	69.8u	1.444m	-	517.6m
9	1	10M	97.3u	-	-	903.1m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_22

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	54.0u	1.524m	-	477.1m
2	2	19M	63.0u	1.577m	-	645.2m
3	2	9M	93.3u	1.479m	-	33.43m
4	1	20M	59.0u	-	-	187.1m
5	1	13M	77.8u	-	-	578.7m
6	2	12M	62.5u	1.445m	-	542.4m
7	2	13M	72.8u	1.531m	-	12.10m
8	2	9M	95.3u	1.614m	-	395.6m
9	2	14M	75.5u	1.342m	-	274.4m
10	3	11M	77.2u	1.879m	1.730m	296.6m
11	2	9M	97.3u	1.779m	-	128.6m
12	1	7M	99.9u	-	-	275.2m
13	1	7M	93.8u	-	-	253.6m
14	3	17M	53.1u	1.571m	1.913m	376.1m
15	3	14M	85.0u	1.650m	1.141m	288.9m
16	1	15M	96.8u	-	-	295.2m
17	3	17M	82.4u	1.327m	1.170m	272.9m
18	2	17M	71.3u	1.779m	-	75.01m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_23

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	13M	78.5u	1.406m	1.821m	152.0m
2	3	12M	62.4u	1.358m	1.264m	815.6m
3	3	8M	60.2u	1.214m	1.260m	57.70m
4	1	11M	59.6u	-	-	750.3m
5	3	11M	67.8u	1.660m	1.136m	623.3m
6	2	15M	97.9u	961.1u	-	410.3m
7	1	17M	55.7u	-	-	786.8m
8	3	7M	79.0u	1.267m	1.681m	34.08m
9	2	14M	58.6u	951.4u	-	750.0m
10	2	5M	60.5u	1.758m	-	130.9m
11	2	11M	61.1u	1.726m	-	154.7m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_24
Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	13M	68.0u	1.353m	1.090m	829.1m
2	2	10M	56.5u	1.648m	-	81.32m
3	1	12M	79.0u	-	-	11.11m
4	2	9M	98.6u	1.124m	-	603.1m
5	2	18M	57.2u	1.106m	-	518.7m
6	1	14M	82.9u	-	-	725.5m
7	2	20M	94.3u	1.900m	-	128.9m
8	2	20M	57.1u	1.797m	-	674.5m
9	3	14M	61.5u	1.548m	1.030m	260.3m
10	3	6M	56.1u	1.678m	1.258m	600.4m
11	2	8M	63.9u	1.585m	-	252.3m
12	2	15M	88.4u	973.6u	-	347.4m
13	1	15M	85.9u	-	-	696.4m
14	3	17M	72.4u	1.866m	1.086m	294.3m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT20_25
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	74.4u	1.887m	-	293.5m
2	3	18M	61.5u	1.484m	984.5u	423.1m
3	3	18M	69.9u	1.265m	971.1u	339.7m
4	2	17M	97.8u	1.296m	-	211.0m
5	2	18M	61.7u	1.185m	-	61.65m
6	3	17M	81.9u	1.115m	1.881m	12.31m
7	2	20M	69.8u	1.172m	-	163.9m
8	2	19M	72.6u	1.146m	-	354.2m
9	2	20M	66.7u	1.103m	-	303.0m
10	3	10M	76.5u	1.003m	1.572m	365.5m
11	3	10M	66.1u	1.858m	1.668m	686.3m
12	1	6M	64.3u	-	-	287.0m
13	1	6M	68.3u	-	-	625.8m
14	3	7M	53.0u	1.255m	1.040m	380.7m
15	3	18M	82.2u	1.635m	1.092m	11.49m
16	3	10M	92.4u	1.225m	1.676m	585.6m
17	3	12M	74.2u	1.038m	1.692m	675.5m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_26

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	74.7u	1.007m	-	771.3m
2	3	5M	87.3u	1.517m	1.806m	580.7m
3	1	5M	95.4u	-	-	414.6m
4	2	14M	53.2u	1.870m	-	187.7m
5	1	6M	55.1u	-	-	478.4m
6	3	14M	63.3u	1.595m	1.137m	20.14m
7	2	12M	85.8u	1.684m	-	555.0m
8	2	7M	59.4u	1.381m	-	120.0m
9	3	12M	52.5u	1.227m	1.939m	278.4m
10	1	19M	73.2u	-	-	507.6m
11	2	10M	72.5u	1.672m	-	770.2m
12	2	9M	76.1u	1.228m	-	62.66m
13	3	16M	82.9u	1.224m	969.1u	265.6m
14	1	13M	88.5u	-	-	496.3m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_27

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	9M	91.6u	1.207m	-	370.3m
2	1	12M	87.6u	-	-	575.4m
3	3	5M	56.9u	1.885m	1.545m	276.4m
4	2	12M	76.5u	1.716m	-	372.6m
5	1	12M	80.0u	-	-	454.8m
6	3	6M	61.2u	938.8u	1.255m	402.5m
7	1	12M	99.1u	-	-	629.2m
8	1	18M	76.7u	-	-	507.1m
9	3	18M	75.4u	1.859m	1.753m	541.7m
10	3	15M	77.4u	1.653m	1.414m	634.3m
11	3	7M	96.3u	1.572m	943.7u	606.1m
12	2	8M	60.1u	1.670m	-	186.7m
13	2	13M	91.7u	1.308m	-	333.4m
14	3	14M	52.7u	1.046m	1.267m	288.3m
15	3	19M	78.9u	1.218m	1.863m	514.0m
16	2	10M	65.6u	1.640m	-	161.9m
17	2	8M	84.3u	1.779m	-	82.60m
18	3	6M	74.6u	1.882m	1.657m	273.9m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_28

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	9M	75.9u	-	-	218.1m
2	2	15M	68.9u	1.555m	-	396.8m
3	3	16M	90.8u	1.329m	1.517m	241.0m
4	1	6M	58.0u	-	-	409.7m
5	3	14M	93.3u	1.852m	1.828m	299.5m
6	2	8M	94.8u	1.239m	-	606.2m
7	1	11M	86.3u	-	-	406.0m
8	2	13M	55.8u	1.264m	-	615.3m
9	1	16M	92.9u	-	-	78.38m
10	2	6M	66.7u	1.657m	-	454.9m
11	1	19M	69.7u	-	-	281.4m
12	1	12M	60.7u	-	-	425.9m
13	1	19M	66.9u	-	-	542.4m
14	2	12M	99.1u	1.430m	-	24.73m
15	2	8M	72.3u	1.778m	-	444.6m
16	2	20M	89.1u	1.283m	-	17.91m
17	2	18M	81.3u	978.7u	-	528.7m
18	3	6M	71.9u	1.656m	1.844m	460.4m
19	3	11M	50.8u	1.456m	1.817m	260.7m



A D T

Long Pulse Radar Test Signal						
Test Signal Name: LGA_LP_HT20_29						
Number of Bursts in Trial: 19						
Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	19M	91.4u	-	-	627.5m
2	2	8M	62.4u	1.326m	-	163.6m
3	3	10M	91.6u	1.855m	1.505m	174.3m
4	2	8M	57.1u	1.467m	-	181.7m
5	3	6M	83.9u	1.114m	1.079m	240.3m
6	1	9M	79.0u	-	-	311.0m
7	3	10M	97.1u	1.108m	1.735m	450.3m
8	1	14M	91.0u	-	-	322.7m
9	3	16M	56.6u	1.266m	1.553m	279.4m
10	1	16M	71.6u	-	-	315.4m
11	2	12M	96.9u	1.829m	-	618.7m
12	2	7M	72.3u	1.286m	-	208.1m
13	1	5M	78.6u	-	-	548.2m
14	2	11M	58.0u	953.0u	-	563.5m
15	2	6M	61.2u	1.513m	-	525.1m
16	2	16M	69.4u	1.675m	-	479.3m
17	1	16M	97.7u	-	-	182.9m
18	3	13M	94.8u	1.262m	1.472m	239.2m
19	2	13M	94.1u	1.656m	-	181.0m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT20_30

Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	10M	73.0u	-	-	462.0m
2	2	18M	80.1u	1.034m	-	677.3m
3	2	13M	57.6u	1.374m	-	444.1m
4	3	13M	84.2u	1.357m	1.785m	367.5m
5	2	19M	71.7u	1.119m	-	566.6m
6	1	6M	78.4u	-	-	516.2m
7	3	11M	60.2u	1.204m	1.347m	149.7m
8	1	12M	98.0u	-	-	545.9m
9	1	5M	63.5u	-	-	512.7m
10	3	19M	83.5u	1.118m	1.234m	197.0m
11	3	6M	97.7u	970.3u	1.064m	555.4m
12	3	7M	81.2u	1.641m	1.787m	566.3m
13	3	7M	70.2u	1.036m	1.410m	537.4m
14	3	6M	55.9u	1.384m	1.554m	465.3m
15	3	16M	58.8u	1.874m	1.071m	528.5m
16	3	18M	78.2u	1.550m	1.030m	615.7m
17	2	5M	62.6u	1.414m	-	30.83m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_01
Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	67.1u	1.380m	-	356.0m
2	2	6M	99.9u	1.675m	-	2.206m
3	2	17M	93.2u	1.153m	-	318.3m
4	2	8M	74.2u	1.111m	-	154.4m
5	2	5M	53.6u	1.367m	-	69.72m
6	2	6M	60.3u	1.631m	-	462.0m
7	2	10M	82.2u	1.159m	-	557.1m
8	2	17M	76.8u	1.299m	-	115.6m
9	3	19M	94.5u	1.165m	1.798m	563.0m
10	2	8M	72.7u	1.348m	-	120.3m
11	2	12M	72.3u	1.121m	-	555.8m
12	1	18M	93.1u	-	-	412.7m
13	3	9M	97.1u	924.9u	1.112m	48.04m
14	3	14M	60.9u	1.335m	1.389m	5.642m
15	1	15M	87.1u	-	-	571.5m
16	3	8M	91.5u	1.631m	1.217m	448.3m
17	3	12M	58.5u	1.107m	1.832m	460.0m
18	2	10M	90.3u	1.743m	-	543.2m
19	2	7M	63.4u	1.234m	-	227.8m
20	1	12M	85.6u	-	-	164.7m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_02

Number of Bursts in Trial: 19

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	12M	78.0u	1.238m	1.626m	559.4m
2	2	8M	66.1u	1.653m	-	296.6m
3	2	8M	56.8u	1.247m	-	466.6m
4	1	18M	87.5u	-	-	625.1m
5	2	11M	74.9u	1.906m	-	408.0m
6	2	19M	56.0u	1.198m	-	542.3m
7	1	8M	66.6u	-	-	56.18m
8	2	11M	54.7u	1.052m	-	411.8m
9	3	17M	86.9u	1.621m	1.831m	448.2m
10	1	11M	86.6u	-	-	162.9m
11	3	12M	87.4u	1.015m	1.434m	194.7m
12	2	18M	51.8u	1.374m	-	557.8m
13	3	11M	66.8u	1.450m	1.235m	578.9m
14	1	16M	55.9u	-	-	444.1m
15	2	13M	60.3u	1.114m	-	265.7m
16	2	16M	57.7u	1.004m	-	547.6m
17	2	12M	54.8u	1.847m	-	164.3m
18	1	10M	68.2u	-	-	325.9m
19	1	8M	50.6u	-	-	407.1m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_03

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	19M	59.6u	1.207m	-	275.5m
2	2	12M	89.4u	1.004m	-	268.3m
3	1	17M	62.1u	-	-	469.0m
4	2	20M	73.7u	1.231m	-	406.3m
5	2	6M	98.9u	1.708m	-	128.7m
6	2	8M	80.7u	1.804m	-	203.0m
7	2	15M	69.8u	1.249m	-	319.1m
8	2	9M	83.4u	1.638m	-	495.5m
9	2	13M	78.9u	1.060m	-	546.8m
10	2	18M	77.6u	1.587m	-	513.0m
11	2	19M	51.2u	1.698m	-	99.81m
12	2	20M	95.5u	1.854m	-	82.69m
13	1	18M	65.9u	-	-	86.18m
14	3	12M	60.0u	1.288m	1.738m	463.9m
15	1	14M	97.4u	-	-	267.4m
16	3	13M	78.0u	1.140m	1.594m	150.2m
17	1	6M	86.6u	-	-	340.7m
18	3	6M	83.8u	917.2u	1.058m	550.6m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_04

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	17M	64.6u	1.275m	1.717m	56.76m
2	2	13M	52.5u	1.391m	-	724.6m
3	2	16M	82.2u	1.814m	-	759.8m
4	1	16M	83.8u	-	-	288.4m
5	3	12M	56.5u	1.007m	1.798m	890.6m
6	1	9M	54.7u	-	-	70.69m
7	1	14M	80.6u	-	-	916.1m
8	2	15M	66.9u	1.438m	-	878.2m
9	2	16M	59.9u	1.334m	-	917.3m
10	2	9M	94.1u	1.730m	-	672.4m
11	2	19M	70.7u	1.723m	-	316.6m
12	1	8M	50.5u	-	-	829.9m
13	2	12M	76.3u	1.439m	-	457.3m



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Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_05

Number of Bursts in Trial: 15

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	55.0u	1.618m	-	689.9m
2	2	7M	92.0u	955.0u	-	778.6m
3	2	13M	74.0u	1.607m	-	196.5m
4	2	18M	97.1u	1.661m	-	748.1m
5	2	11M	86.2u	1.298m	-	382.5m
6	2	8M	98.5u	1.208m	-	567.9m
7	3	8M	81.8u	1.264m	1.809m	543.9m
8	2	14M	66.0u	1.236m	-	269.0m
9	1	17M	69.7u	-	-	485.6m
10	2	12M	93.1u	969.9u	-	453.9m
11	1	14M	70.1u	-	-	131.5m
12	1	5M	85.2u	-	-	310.9m
13	3	10M	77.0u	1.904m	1.329m	319.4m
14	2	8M	63.1u	1.131m	-	450.4m
15	1	15M	87.5u	-	-	586.7m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_06

Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	12M	88.9u	1.860m	1.686m	251.5m
2	2	14M	66.7u	1.766m	-	99.36m
3	1	10M	91.5u	-	-	180.0m
4	2	16M	58.4u	1.178m	-	163.3m
5	1	13M	97.5u	-	-	385.6m
6	3	14M	89.4u	1.074m	1.736m	26.66m
7	1	13M	59.1u	-	-	318.8m
8	2	6M	87.9u	1.307m	-	114.0m
9	2	17M	87.1u	1.090m	-	702.5m
10	2	14M	54.3u	1.020m	-	595.6m
11	1	16M	99.8u	-	-	877.8m
12	2	18M	61.3u	1.891m	-	474.5m
13	1	16M	97.5u	-	-	338.3m



Long Pulse Radar Test Signal
 Test Signal Name: LGA_LP_HT40_07
 Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	95.4u	915.6u	-	56.54m
2	3	12M	76.4u	1.899m	1.422m	351.2m
3	1	8M	73.9u	-	-	1.002
4	3	9M	50.0u	1.823m	986.0u	692.0m
5	2	11M	87.7u	1.518m	-	655.0m
6	3	13M	76.4u	1.767m	1.437m	590.2m
7	2	14M	76.4u	1.296m	-	185.5m
8	3	19M	85.0u	1.593m	1.075m	713.7m
9	2	14M	54.0u	1.419m	-	262.2m
10	2	11M	89.6u	1.683m	-	393.2m
11	1	6M	60.8u	-	-	532.9m

Long Pulse Radar Test Signal
 Test Signal Name: LGA_LP_HT40_08
 Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	8M	63.1u	940.9u	1.396m	257.5m
2	1	12M	89.2u	-	-	335.7m
3	3	12M	59.3u	1.404m	1.411m	586.6m
4	2	11M	72.1u	1.396m	-	548.5m
5	2	15M	80.8u	1.329m	-	561.0m
6	1	15M	67.7u	-	-	607.3m
7	2	11M	98.7u	1.554m	-	612.1m
8	2	11M	95.4u	1.123m	-	270.4m
9	1	7M	90.0u	-	-	220.2m
10	2	17M	83.8u	1.534m	-	32.06m
11	3	6M	52.0u	1.499m	1.760m	60.06m
12	3	19M	80.3u	1.408m	1.094m	169.2m
13	2	16M	99.6u	1.584m	-	272.9m
14	2	12M	68.0u	937.0u	-	15.48m
15	3	8M	59.4u	1.706m	1.575m	268.4m
16	2	15M	65.8u	1.223m	-	572.7m
17	2	6M	93.5u	1.820m	-	145.6m
18	3	16M	76.5u	1.105m	1.079m	425.6m



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Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_09

Number of Bursts in Trial: 20

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	8M	74.8u	1.159m	-	224.7m
2	3	9M	84.0u	1.815m	1.005m	458.9m
3	1	10M	89.3u	-	-	270.8m
4	2	7M	57.0u	1.398m	-	436.9m
5	2	15M	89.8u	1.302m	-	273.9m
6	3	11M	95.9u	1.489m	1.274m	338.5m
7	2	20M	96.1u	1.356m	-	179.8m
8	2	19M	86.3u	1.364m	-	345.1m
9	2	8M	74.7u	1.056m	-	433.4m
10	1	16M	82.8u	-	-	483.6m
11	3	17M	90.9u	1.002m	1.822m	540.0m
12	1	13M	81.1u	-	-	404.7m
13	2	9M	90.5u	1.136m	-	578.8m
14	2	13M	84.9u	1.116m	-	75.02m
15	2	20M	52.5u	1.077m	-	108.4m
16	2	9M	99.9u	1.229m	-	472.9m
17	3	12M	99.9u	1.249m	1.162m	375.0m
18	2	15M	69.9u	1.501m	-	407.2m
19	2	16M	78.7u	1.240m	-	306.9m
20	2	19M	51.2u	1.292m	-	12.69m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_10

Number of Bursts in Trial: 8

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	56.6u	1.646m	1.460m	232.8m
2	1	12M	56.0u	-	-	1.019
3	3	6M	58.3u	1.913m	1.864m	1.454
4	2	11M	81.4u	1.025m	-	241.9m
5	3	16M	68.4u	1.035m	1.393m	869.2m
6	3	9M	74.7u	999.3u	974.3u	250.9m
7	2	7M	63.6u	1.623m	-	1.230
8	3	18M	51.2u	1.652m	1.412m	698.6m



Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_11
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	12M	95.5u	1.867m	-	275.1m
2	2	7M	71.5u	1.004m	-	160.8m
3	3	14M	68.1u	1.755m	1.861m	590.2m
4	1	13M	85.4u	-	-	146.9m
5	1	18M	99.2u	-	-	370.7m
6	2	10M	90.1u	1.880m	-	395.7m
7	3	13M	51.7u	1.149m	1.791m	705.7m
8	1	16M	77.0u	-	-	448.7m
9	1	17M	91.7u	-	-	265.0u
10	3	19M	68.2u	1.885m	1.432m	409.1m
11	3	12M	76.1u	1.740m	1.328m	449.4m
12	1	10M	84.2u	-	-	188.7m
13	2	16M	100.0u	1.574m	-	615.5m
14	2	7M	51.4u	1.258m	-	59.22m
15	2	16M	77.2u	1.405m	-	477.9m
16	3	9M	54.0u	985.0u	1.619m	236.6m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_12
Number of Bursts in Trial: 13

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	6M	67.3u	-	-	709.4m
2	2	7M	58.3u	1.591m	-	269.2m
3	2	15M	83.2u	1.351m	-	538.7m
4	3	12M	89.8u	1.222m	1.162m	526.8m
5	2	16M	92.6u	1.212m	-	722.2m
6	3	17M	74.9u	1.068m	1.733m	538.5m
7	2	20M	99.4u	1.757m	-	232.4m
8	3	14M	92.7u	1.665m	1.673m	250.5m
9	3	15M	53.8u	1.542m	1.360m	464.4m
10	1	8M	84.4u	-	-	361.9m
11	1	16M	84.3u	-	-	323.7m
12	1	15M	83.5u	-	-	720.1m
13	3	8M	75.3u	1.759m	1.179m	230.3m



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Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_13
Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	14M	83.6u	-	-	1.002
2	2	8M	95.0u	1.103m	-	859.8m
3	2	6M	62.3u	1.882m	-	507.1m
4	1	18M	89.8u	-	-	302.7m
5	1	16M	80.3u	-	-	351.0m
6	3	20M	62.1u	1.353m	1.137m	404.0m
7	2	9M	57.4u	1.597m	-	1.040
8	2	8M	97.8u	1.648m	-	665.9m
9	1	5M	98.9u	-	-	706.5m
10	1	18M	99.9u	-	-	899.8m
11	1	18M	94.1u	-	-	546.9m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_14
Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	15M	77.8u	1.284m	-	829.8m
2	3	12M	78.2u	1.346m	1.675m	1.298
3	3	17M	50.5u	1.657m	1.039m	507.4m
4	2	20M	61.0u	1.870m	-	15.62m
5	1	5M	82.6u	-	-	1.166
6	3	11M	60.3u	1.468m	1.600m	467.3m
7	3	17M	95.2u	1.406m	1.029m	340.8m
8	3	8M	96.1u	1.370m	1.553m	892.2m
9	2	15M	69.9u	1.866m	-	1.246



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Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_15

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	7M	55.7u	1.194m	1.802m	572.6m
2	2	11M	83.1u	1.821m	-	235.2m
3	1	14M	72.2u	-	-	728.1m
4	1	7M	74.1u	-	-	540.1m
5	1	5M	98.3u	-	-	444.1m
6	1	18M	80.8u	-	-	404.5m
7	3	6M	68.6u	1.497m	1.055m	230.2m
8	1	10M	63.8u	-	-	113.2m
9	3	10M	90.8u	1.671m	1.231m	230.1m
10	2	13M	81.2u	1.706m	-	331.9m
11	2	10M	98.7u	1.774m	-	600.6m
12	2	6M	62.1u	1.347m	-	143.5m
13	2	12M	63.4u	1.091m	-	353.7m
14	2	18M	63.7u	1.116m	-	273.9m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_16

Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	16M	53.4u	1.866m	-	177.0m
2	3	18M	62.0u	1.842m	1.935m	442.4m
3	2	14M	57.3u	1.544m	-	925.3m
4	2	6M	50.5u	1.826m	-	727.7m
5	2	14M	65.6u	1.866m	-	225.9m
6	2	15M	99.2u	1.460m	-	965.6m
7	1	15M	56.3u	-	-	907.9m
8	1	18M	55.5u	-	-	481.6m
9	2	11M	62.3u	1.064m	-	658.2m
10	2	11M	58.7u	955.3u	-	554.0m
11	2	14M	71.9u	1.606m	-	553.8m
12	2	17M	60.5u	1.231m	-	785.8m



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Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_17
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	18M	97.2u	1.849m	-	431.2m
2	2	20M	80.8u	1.103m	-	471.8m
3	2	17M	95.0u	1.742m	-	175.7m
4	1	9M	50.0u	-	-	579.7m
5	2	20M	93.5u	1.584m	-	199.5m
6	2	20M	78.0u	1.709m	-	595.3m
7	2	14M	59.0u	1.085m	-	622.5m
8	3	11M	85.1u	1.707m	1.154m	315.0m
9	1	12M	60.5u	-	-	593.9m
10	1	8M	99.0u	-	-	449.9m
11	3	18M	80.3u	1.235m	1.161m	529.9m
12	1	7M	90.9u	-	-	12.50m
13	3	8M	96.1u	1.341m	1.130m	695.5m
14	2	12M	57.0u	1.654m	-	265.8m
15	2	16M	96.0u	1.814m	-	400.5m
16	1	14M	86.0u	-	-	290.7m
17	3	8M	67.1u	965.9u	1.051m	412.6m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_18
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	71.9u	1.458m	-	517.8m
2	2	16M	94.6u	1.831m	-	1.058
3	2	14M	62.5u	1.691m	-	23.18m
4	2	12M	58.3u	1.382m	-	895.5m
5	2	11M	63.7u	1.929m	-	732.6m
6	2	10M	79.7u	1.330m	-	187.1m
7	2	12M	89.5u	1.855m	-	473.4m
8	2	6M	78.5u	1.521m	-	518.7m
9	1	11M	69.8u	-	-	362.7m
10	1	13M	94.8u	-	-	9.256m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_19
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	8M	71.3u	-	-	180.0m
2	1	10M	71.5u	-	-	149.4m
3	1	20M	82.3u	-	-	263.7m
4	3	12M	59.2u	1.403m	1.488m	275.1m
5	2	6M	70.0u	994.0u	-	300.7m
6	1	10M	91.5u	-	-	15.55m
7	1	16M	67.6u	-	-	273.4m
8	3	10M	54.8u	1.630m	1.504m	337.7m
9	3	19M	97.4u	1.245m	1.345m	614.4m
10	2	7M	54.4u	1.861m	-	411.5m
11	2	16M	63.9u	1.394m	-	593.5m
12	2	13M	52.7u	1.856m	-	467.1m
13	2	5M	93.0u	1.065m	-	599.9m
14	2	8M	67.8u	1.482m	-	259.9m
15	2	8M	74.8u	1.693m	-	473.6m
16	3	12M	60.4u	1.627m	966.6u	687.4m
17	1	13M	63.6u	-	-	551.3m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_20

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	93.6u	1.774m	-	532.7m
2	2	15M	82.9u	1.739m	-	28.05m
3	2	9M	71.9u	1.636m	-	96.15m
4	3	14M	73.0u	1.925m	1.455m	571.2m
5	3	13M	62.3u	1.494m	1.737m	476.3m
6	2	7M	77.9u	993.1u	-	337.5m
7	3	6M	50.1u	1.895m	1.677m	506.8m
8	2	8M	84.8u	1.636m	-	141.8m
9	1	13M	50.4u	-	-	200.3m
10	2	6M	70.0u	1.816m	-	457.4m
11	3	13M	95.0u	1.372m	1.211m	465.8m
12	1	14M	89.5u	-	-	736.6m
13	1	14M	58.0u	-	-	294.3m
14	3	6M	71.7u	1.700m	1.877m	440.4m
15	3	12M	74.3u	1.364m	1.923m	252.5m
16	2	6M	96.9u	1.267m	-	86.33m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_21

Number of Bursts in Trial: 18

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	10M	77.4u	1.865m	-	601.7m
2	3	17M	94.5u	1.112m	1.741m	219.4m
3	3	18M	74.7u	1.492m	1.323m	79.67m
4	1	12M	57.3u	-	-	234.2m
5	3	8M	67.6u	1.519m	1.594m	64.40m
6	1	20M	60.4u	-	-	588.2m
7	3	7M	64.0u	1.472m	1.269m	614.3m
8	3	15M	96.9u	1.247m	1.750m	298.3m
9	3	20M	86.9u	1.215m	1.128m	390.3m
10	3	8M	72.0u	996.0u	1.256m	35.42m
11	2	15M	75.4u	1.016m	-	541.4m
12	3	11M	81.0u	1.256m	1.277m	280.0m
13	2	14M	99.0u	1.807m	-	502.2m
14	3	17M	90.6u	1.323m	1.587m	104.3m
15	2	12M	57.1u	1.211m	-	5.478m
16	2	12M	67.1u	1.401m	-	592.2m
17	2	14M	80.4u	944.6u	-	271.4m
18	2	15M	57.1u	1.492m	-	211.3m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_22

Number of Bursts in Trial: 9

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	6M	82.5u	1.597m	-	699.0m
2	3	11M	68.5u	1.927m	1.169m	420.3m
3	2	15M	79.9u	1.012m	-	1.260
4	1	14M	75.2u	-	-	1.211
5	1	16M	61.3u	-	-	721.8m
6	2	11M	77.5u	1.548m	-	290.8m
7	2	19M	57.0u	1.410m	-	746.5m
8	2	14M	65.4u	1.186m	-	680.5m
9	2	8M	75.0u	1.095m	-	429.8m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_23

Number of Bursts in Trial: 11

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	15M	75.3u	-	-	1.075
2	2	12M	82.9u	1.779m	-	72.85m
3	2	13M	95.8u	1.705m	-	383.7m
4	3	9M	84.5u	1.336m	1.852m	528.9m
5	2	14M	85.5u	1.118m	-	562.5m
6	2	11M	67.2u	1.414m	-	632.0m
7	2	8M	64.4u	1.896m	-	465.2m
8	1	19M	96.4u	-	-	447.0m
9	1	6M	73.1u	-	-	63.30m
10	2	11M	96.5u	1.308m	-	632.8m
11	2	15M	69.0u	1.102m	-	987.1m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_24

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	13M	95.9u	1.888m	1.462m	710.7m
2	2	13M	77.2u	1.310m	-	450.8m
3	3	19M	74.1u	1.445m	1.923m	726.6m
4	3	15M	76.6u	1.869m	1.188m	314.3m
5	2	8M	71.8u	1.053m	-	793.9m
6	2	14M	85.1u	1.761m	-	254.3m
7	2	6M	87.2u	984.8u	-	662.5m
8	3	19M	58.4u	1.409m	1.925m	505.5m
9	2	6M	91.7u	1.283m	-	720.2m
10	2	7M	91.0u	1.383m	-	223.8m
11	2	8M	85.6u	1.040m	-	719.5m
12	2	15M	69.8u	1.860m	-	436.2m
13	2	18M	99.4u	1.831m	-	299.0m
14	2	5M	53.8u	1.827m	-	721.8m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_25
Number of Bursts in Trial: 12

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	11M	99.5u	1.337m	1.271m	330.1m
2	1	9M	59.9u	-	-	820.5m
3	1	6M	86.1u	-	-	181.4m
4	2	13M	94.9u	1.012m	-	790.8m
5	1	14M	56.1u	-	-	955.9m
6	2	18M	53.4u	1.704m	-	814.1m
7	2	7M	86.6u	1.336m	-	887.9m
8	2	10M	60.5u	1.210m	-	222.6m
9	2	9M	65.6u	1.707m	-	324.9m
10	1	18M	69.5u	-	-	848.4m
11	2	7M	86.2u	977.8u	-	350.8m
12	2	8M	52.9u	1.034m	-	644.9m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_26
Number of Bursts in Trial: 17

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	5M	51.5u	1.292m	-	140.5m
2	3	7M	90.1u	1.103m	1.643m	430.9m
3	2	17M	70.4u	1.869m	-	649.0u
4	1	20M	93.9u	-	-	415.2m
5	1	9M	76.9u	-	-	531.1m
6	2	12M	69.6u	1.179m	-	139.8m
7	3	15M	76.2u	1.184m	1.855m	175.3m
8	2	16M	73.8u	1.061m	-	266.0m
9	2	19M	56.5u	1.038m	-	121.7m
10	2	9M	59.5u	1.633m	-	345.7m
11	1	15M	54.6u	-	-	124.0m
12	1	6M	50.5u	-	-	271.2m
13	1	5M	50.8u	-	-	270.9m
14	2	8M	80.6u	1.653m	-	557.1m
15	2	12M	74.0u	1.813m	-	62.05m
16	2	11M	77.6u	1.869m	-	376.8m
17	1	7M	90.5u	-	-	676.9m



A D T

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_27

Number of Bursts in Trial: 14

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	14M	91.7u	1.041m	1.644m	128.6m
2	2	20M	89.9u	964.1u	-	467.9m
3	1	19M	84.9u	-	-	356.2m
4	2	16M	90.2u	1.121m	-	423.8m
5	3	7M	67.8u	1.015m	1.187m	735.8m
6	3	15M	90.1u	1.276m	975.9u	304.9m
7	1	15M	51.1u	-	-	207.8m
8	2	12M	95.5u	1.413m	-	134.2m
9	2	18M	96.7u	1.265m	-	686.7m
10	2	9M	93.5u	1.219m	-	240.9m
11	3	8M	87.7u	1.512m	1.560m	593.0m
12	2	18M	76.7u	1.358m	-	500.7m
13	3	7M	83.3u	1.417m	1.868m	660.8m
14	2	9M	64.3u	1.837m	-	187.0m

Long Pulse Radar Test Signal

Test Signal Name: LGA_LP_HT40_28

Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	1	13M	81.0u	-	-	634.0m
2	2	11M	99.7u	998.3u	-	746.8m
3	1	17M	65.4u	-	-	293.5m
4	2	16M	97.2u	1.262m	-	686.1m
5	2	10M	93.7u	1.665m	-	388.4m
6	1	18M	60.3u	-	-	3.291m
7	1	9M	50.9u	-	-	322.7m
8	3	14M	78.1u	1.111m	1.401m	171.2m
9	2	19M	63.4u	1.394m	-	168.1m
10	1	14M	81.4u	-	-	394.7m
11	3	15M	83.1u	1.388m	1.202m	192.8m
12	1	17M	68.0u	-	-	549.6m
13	2	5M	76.3u	1.696m	-	452.8m
14	3	17M	69.0u	1.221m	1.667m	529.1m
15	2	10M	62.1u	1.924m	-	332.0m
16	2	6M	63.7u	1.620m	-	473.5m



A D T

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_29
Number of Bursts in Trial: 10

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	3	19M	66.4u	1.558m	973.6u	565.1m
2	3	13M	88.1u	1.529m	1.749m	522.6m
3	3	14M	61.2u	1.175m	1.210m	121.1m
4	1	13M	84.9u	-	-	738.0m
5	2	16M	84.0u	1.199m	-	374.2m
6	1	10M	82.3u	-	-	531.2m
7	3	17M	64.8u	1.675m	1.144m	1.057
8	2	6M	94.4u	1.706m	-	539.2m
9	2	8M	86.0u	1.337m	-	1.026
10	2	18M	67.1u	1.286m	-	991.2m

Long Pulse Radar Test Signal
Test Signal Name: LGA_LP_HT40_30
Number of Bursts in Trial: 16

Burst	Pulses per Burst	Chrip (Hz)	Pulse Width (s)	Pulse 1 to 2 Spacing (s)	Pulse 2 to 3 Spacing (s)	Start Location (s)
1	2	14M	80.9u	1.113m	-	120.9m
2	1	10M	97.5u	-	-	735.6m
3	2	15M	68.2u	1.314m	-	59.25m
4	2	9M	73.7u	1.628m	-	350.4m
5	1	17M	83.5u	-	-	229.0m
6	2	13M	85.9u	1.445m	-	693.7m
7	2	20M	59.5u	1.878m	-	594.0m
8	3	9M	73.6u	1.731m	1.875m	179.0m
9	1	6M	57.9u	-	-	62.58m
10	1	13M	99.6u	-	-	745.3m
11	2	8M	91.7u	1.458m	-	444.8m
12	2	14M	97.1u	1.286m	-	372.5m
13	3	17M	91.9u	1.318m	1.778m	545.6m
14	3	13M	94.7u	1.186m	1.187m	227.8m
15	2	12M	75.7u	1.500m	-	642.2m
16	3	7M	58.4u	1.523m	1.251m	421.7m



A D T

B.2 The Frequency Hopping Radar Pattern

Hopping Frequency Sequence Name: HGA_HOP_A_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.395G	2	5.501G	3	5.678G	4	5.651G
5	5.656G	6	5.664G	7	5.579G	8	5.451G
9	5.632G	10	5.417G	11	5.557G	12	5.457G
13	5.371G	14	5.424G	15	5.427G	16	5.336G
17	5.269G	18	5.565G	19	5.546G	20	5.563G
21	5.313G	22	5.397G	23	5.413G	24	5.287G
25	5.588G	26	5.601G	27	5.554G	28	5.706G
29	5.626G	30	5.260G	31	5.661G	32	5.369G
33	5.621G	34	5.556G	35	5.354G	36	5.671G
37	5.292G	38	5.692G	39	5.253G	40	5.439G
41	5.256G	42	5.362G	43	5.595G	44	5.584G
45	5.643G	46	5.571G	47	5.346G	48	5.345G
49	5.683G	50	5.251G	51	5.290G	52	5.337G
53	5.347G	54	5.550G	55	5.296G	56	5.469G
57	5.654G	58	5.687G	59	5.673G	60	5.388G
61	5.580G	62	5.525G	63	5.540G	64	5.502G
65	5.670G	66	5.312G	67	5.298G	68	5.423G
69	5.713G	70	5.524G	71	5.701G	72	5.569G
73	5.511G	74	5.648G	75	5.594G	76	5.349G
77	5.658G	78	5.468G	79	5.458G	80	5.391G
81	5.509G	82	5.516G	83	5.272G	84	5.534G
85	5.341G	86	5.662G	87	5.495G	88	5.663G
89	5.667G	90	5.639G	91	5.679G	92	5.680G
93	5.321G	94	5.716G	95	5.270G	96	5.510G
97	5.611G	98	5.628G	99	5.513G	100	5.289G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.610G	2	5.602G	3	5.324G	4	5.481G
5	5.663G	6	5.504G	7	5.306G	8	5.638G
9	5.494G	10	5.548G	11	5.670G	12	5.408G
13	5.646G	14	5.392G	15	5.420G	16	5.502G
17	5.351G	18	5.724G	19	5.342G	20	5.517G
21	5.290G	22	5.291G	23	5.482G	24	5.421G
25	5.365G	26	5.288G	27	5.434G	28	5.541G
29	5.312G	30	5.513G	31	5.528G	32	5.397G
33	5.453G	34	5.685G	35	5.296G	36	5.430G
37	5.404G	38	5.358G	39	5.579G	40	5.339G
41	5.485G	42	5.697G	43	5.322G	44	5.395G
45	5.603G	46	5.673G	47	5.343G	48	5.403G
49	5.285G	50	5.634G	51	5.554G	52	5.540G
53	5.377G	54	5.364G	55	5.299G	56	5.661G
57	5.609G	58	5.616G	59	5.680G	60	5.611G
61	5.512G	62	5.625G	63	5.468G	64	5.715G
65	5.664G	66	5.650G	67	5.345G	68	5.384G
69	5.589G	70	5.696G	71	5.703G	72	5.556G
73	5.270G	74	5.676G	75	5.639G	76	5.389G
77	5.545G	78	5.623G	79	5.374G	80	5.704G
81	5.362G	82	5.621G	83	5.652G	84	5.658G
85	5.521G	86	5.281G	87	5.313G	88	5.307G
89	5.353G	90	5.319G	91	5.473G	92	5.371G
93	5.624G	94	5.304G	95	5.474G	96	5.444G
97	5.705G	98	5.390G	99	5.293G	100	5.547G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.347G	2	5.302G	3	5.693G	4	5.354G
5	5.604G	6	5.417G	7	5.543G	8	5.529G
9	5.463G	10	5.478G	11	5.261G	12	5.368G
13	5.506G	14	5.623G	15	5.409G	16	5.357G
17	5.546G	18	5.652G	19	5.342G	20	5.664G
21	5.669G	22	5.674G	23	5.366G	24	5.345G
25	5.697G	26	5.638G	27	5.428G	28	5.702G
29	5.559G	30	5.431G	31	5.392G	32	5.388G
33	5.667G	34	5.586G	35	5.297G	36	5.574G
37	5.421G	38	5.606G	39	5.284G	40	5.720G
41	5.580G	42	5.253G	43	5.498G	44	5.317G
45	5.651G	46	5.677G	47	5.426G	48	5.577G
49	5.502G	50	5.511G	51	5.450G	52	5.535G
53	5.307G	54	5.524G	55	5.423G	56	5.526G
57	5.326G	58	5.692G	59	5.588G	60	5.319G
61	5.277G	62	5.515G	63	5.486G	64	5.636G
65	5.698G	66	5.499G	67	5.587G	68	5.539G
69	5.467G	70	5.254G	71	5.573G	72	5.306G
73	5.381G	74	5.516G	75	5.701G	76	5.283G
77	5.420G	78	5.358G	79	5.614G	80	5.541G
81	5.576G	82	5.602G	83	5.341G	84	5.258G
85	5.668G	86	5.413G	87	5.300G	88	5.405G
89	5.673G	90	5.333G	91	5.436G	92	5.679G
93	5.308G	94	5.470G	95	5.553G	96	5.684G
97	5.401G	98	5.379G	99	5.416G	100	5.267G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.466G	2	5.639G	3	5.647G	4	5.489G
5	5.653G	6	5.256G	7	5.595G	8	5.261G
9	5.657G	10	5.500G	11	5.446G	12	5.304G
13	5.601G	14	5.597G	15	5.497G	16	5.594G
17	5.658G	18	5.499G	19	5.614G	20	5.460G
21	5.718G	22	5.360G	23	5.457G	24	5.296G
25	5.627G	26	5.634G	27	5.641G	28	5.468G
29	5.486G	30	5.528G	31	5.700G	32	5.277G
33	5.599G	34	5.510G	35	5.586G	36	5.370G
37	5.715G	38	5.564G	39	5.429G	40	5.697G
41	5.372G	42	5.548G	43	5.324G	44	5.254G
45	5.544G	46	5.423G	47	5.532G	48	5.643G
49	5.713G	50	5.520G	51	5.622G	52	5.618G
53	5.311G	54	5.519G	55	5.602G	56	5.695G
57	5.310G	58	5.626G	59	5.474G	60	5.386G
61	5.487G	62	5.447G	63	5.581G	64	5.278G
65	5.570G	66	5.307G	67	5.316G	68	5.292G
69	5.593G	70	5.558G	71	5.362G	72	5.494G
73	5.530G	74	5.450G	75	5.383G	76	5.342G
77	5.545G	78	5.347G	79	5.270G	80	5.660G
81	5.385G	82	5.568G	83	5.645G	84	5.533G
85	5.395G	86	5.576G	87	5.678G	88	5.656G
89	5.504G	90	5.635G	91	5.512G	92	5.425G
93	5.688G	94	5.443G	95	5.665G	96	5.407G
97	5.394G	98	5.605G	99	5.326G	100	5.280G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.592G	2	5.641G	3	5.606G	4	5.688G
5	5.327G	6	5.403G	7	5.523G	8	5.256G
9	5.638G	10	5.687G	11	5.594G	12	5.612G
13	5.562G	14	5.501G	15	5.320G	16	5.524G
17	5.685G	18	5.622G	19	5.721G	20	5.267G
21	5.417G	22	5.416G	23	5.711G	24	5.536G
25	5.500G	26	5.574G	27	5.364G	28	5.601G
29	5.664G	30	5.548G	31	5.412G	32	5.654G
33	5.591G	34	5.311G	35	5.689G	36	5.465G
37	5.619G	38	5.329G	39	5.564G	40	5.325G
41	5.363G	42	5.648G	43	5.722G	44	5.260G
45	5.294G	46	5.255G	47	5.338G	48	5.288G
49	5.607G	50	5.708G	51	5.577G	52	5.428G
53	5.340G	54	5.280G	55	5.484G	56	5.411G
57	5.459G	58	5.700G	59	5.371G	60	5.701G
61	5.443G	62	5.697G	63	5.546G	64	5.277G
65	5.301G	66	5.698G	67	5.595G	68	5.282G
69	5.285G	70	5.662G	71	5.455G	72	5.551G
73	5.647G	74	5.716G	75	5.669G	76	5.458G
77	5.491G	78	5.461G	79	5.385G	80	5.456G
81	5.709G	82	5.578G	83	5.692G	84	5.629G
85	5.479G	86	5.544G	87	5.460G	88	5.719G
89	5.322G	90	5.635G	91	5.512G	92	5.694G
93	5.568G	94	5.419G	95	5.392G	96	5.702G
97	5.331G	98	5.397G	99	5.556G	100	5.410G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.443G	2	5.527G	3	5.445G	4	5.550G
5	5.341G	6	5.484G	7	5.687G	8	5.309G
9	5.540G	10	5.325G	11	5.650G	12	5.515G
13	5.486G	14	5.291G	15	5.620G	16	5.597G
17	5.257G	18	5.477G	19	5.343G	20	5.612G
21	5.581G	22	5.469G	23	5.287G	24	5.556G
25	5.338G	26	5.521G	27	5.605G	28	5.327G
29	5.259G	30	5.501G	31	5.258G	32	5.419G
33	5.644G	34	5.435G	35	5.638G	36	5.442G
37	5.326G	38	5.474G	39	5.631G	40	5.456G
41	5.652G	42	5.409G	43	5.604G	44	5.399G
45	5.319G	46	5.417G	47	5.526G	48	5.655G
49	5.314G	50	5.583G	51	5.528G	52	5.371G
53	5.262G	54	5.310G	55	5.440G	56	5.677G
57	5.295G	58	5.640G	59	5.525G	60	5.318G
61	5.462G	62	5.329G	63	5.283G	64	5.544G
65	5.601G	66	5.693G	67	5.351G	68	5.461G
69	5.586G	70	5.520G	71	5.273G	72	5.431G
73	5.623G	74	5.569G	75	5.274G	76	5.488G
77	5.361G	78	5.684G	79	5.480G	80	5.553G
81	5.307G	82	5.427G	83	5.542G	84	5.296G
85	5.346G	86	5.459G	87	5.517G	88	5.412G
89	5.376G	90	5.467G	91	5.321G	92	5.565G
93	5.482G	94	5.678G	95	5.651G	96	5.664G
97	5.475G	98	5.313G	99	5.535G	100	5.373G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.689G	2	5.268G	3	5.266G	4	5.299G
5	5.484G	6	5.400G	7	5.358G	8	5.419G
9	5.260G	10	5.548G	11	5.540G	12	5.554G
13	5.412G	14	5.300G	15	5.338G	16	5.692G
17	5.454G	18	5.302G	19	5.542G	20	5.519G
21	5.332G	22	5.509G	23	5.416G	24	5.616G
25	5.721G	26	5.374G	27	5.303G	28	5.635G
29	5.398G	30	5.664G	31	5.436G	32	5.490G
33	5.608G	34	5.593G	35	5.659G	36	5.309G
37	5.322G	38	5.424G	39	5.707G	40	5.304G
41	5.520G	42	5.345G	43	5.644G	44	5.397G
45	5.447G	46	5.514G	47	5.409G	48	5.483G
49	5.453G	50	5.463G	51	5.426G	52	5.417G
53	5.281G	54	5.591G	55	5.518G	56	5.405G
57	5.715G	58	5.636G	59	5.647G	60	5.513G
61	5.535G	62	5.285G	63	5.429G	64	5.571G
65	5.431G	66	5.437G	67	5.367G	68	5.523G
69	5.390G	70	5.598G	71	5.391G	72	5.319G
73	5.384G	74	5.399G	75	5.342G	76	5.561G
77	5.643G	78	5.545G	79	5.724G	80	5.257G
81	5.603G	82	5.710G	83	5.357G	84	5.425G
85	5.272G	86	5.552G	87	5.347G	88	5.290G
89	5.376G	90	5.503G	91	5.262G	92	5.709G
93	5.317G	94	5.250G	95	5.348G	96	5.557G
97	5.487G	98	5.306G	99	5.368G	100	5.718G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.436G	2	5.253G	3	5.657G	4	5.724G
5	5.444G	6	5.423G	7	5.641G	8	5.256G
9	5.509G	10	5.320G	11	5.578G	12	5.286G
13	5.697G	14	5.316G	15	5.385G	16	5.258G
17	5.288G	18	5.542G	19	5.640G	20	5.596G
21	5.602G	22	5.283G	23	5.255G	24	5.404G
25	5.413G	26	5.621G	27	5.561G	28	5.659G
29	5.581G	30	5.357G	31	5.629G	32	5.522G
33	5.267G	34	5.437G	35	5.265G	36	5.279G
37	5.699G	38	5.564G	39	5.420G	40	5.432G
41	5.527G	42	5.628G	43	5.257G	44	5.290G
45	5.721G	46	5.469G	47	5.722G	48	5.704G
49	5.375G	50	5.386G	51	5.393G	52	5.418G
53	5.464G	54	5.681G	55	5.448G	56	5.408G
57	5.390G	58	5.434G	59	5.500G	60	5.461G
61	5.400G	62	5.268G	63	5.328G	64	5.554G
65	5.689G	66	5.577G	67	5.470G	68	5.490G
69	5.635G	70	5.460G	71	5.278G	72	5.479G
73	5.709G	74	5.538G	75	5.504G	76	5.405G
77	5.557G	78	5.653G	79	5.429G	80	5.700G
81	5.395G	82	5.272G	83	5.648G	84	5.519G
85	5.475G	86	5.438G	87	5.701G	88	5.274G
89	5.603G	90	5.313G	91	5.535G	92	5.592G
93	5.574G	94	5.324G	95	5.624G	96	5.531G
97	5.417G	98	5.642G	99	5.605G	100	5.392G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.418G	2	5.483G	3	5.290G	4	5.537G
5	5.512G	6	5.558G	7	5.715G	8	5.588G
9	5.296G	10	5.458G	11	5.613G	12	5.303G
13	5.339G	14	5.686G	15	5.662G	16	5.610G
17	5.526G	18	5.327G	19	5.285G	20	5.477G
21	5.591G	22	5.348G	23	5.544G	24	5.443G
25	5.257G	26	5.511G	27	5.710G	28	5.276G
29	5.312G	30	5.614G	31	5.357G	32	5.720G
33	5.486G	34	5.375G	35	5.637G	36	5.687G
37	5.682G	38	5.603G	39	5.678G	40	5.463G
41	5.408G	42	5.289G	43	5.632G	44	5.524G
45	5.623G	46	5.691G	47	5.567G	48	5.532G
49	5.692G	50	5.619G	51	5.554G	52	5.514G
53	5.689G	54	5.393G	55	5.505G	56	5.387G
57	5.528G	58	5.256G	59	5.529G	60	5.421G
61	5.294G	62	5.309G	63	5.283G	64	5.572G
65	5.563G	66	5.565G	67	5.641G	68	5.570G
69	5.358G	70	5.652G	71	5.367G	72	5.509G
73	5.422G	74	5.517G	75	5.436G	76	5.513G
77	5.252G	78	5.389G	79	5.556G	80	5.536G
81	5.574G	82	5.346G	83	5.322G	84	5.533G
85	5.298G	86	5.627G	87	5.599G	88	5.271G
89	5.559G	90	5.342G	91	5.587G	92	5.665G
93	5.535G	94	5.633G	95	5.698G	96	5.518G
97	5.639G	98	5.495G	99	5.441G	100	5.653G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.358G	2	5.551G	3	5.509G	4	5.628G
5	5.608G	6	5.491G	7	5.485G	8	5.414G
9	5.712G	10	5.593G	11	5.549G	12	5.380G
13	5.400G	14	5.515G	15	5.688G	16	5.470G
17	5.321G	18	5.685G	19	5.337G	20	5.311G
21	5.353G	22	5.266G	23	5.641G	24	5.267G
25	5.705G	26	5.482G	27	5.602G	28	5.368G
29	5.445G	30	5.535G	31	5.360G	32	5.619G
33	5.566G	34	5.562G	35	5.481G	36	5.263G
37	5.305G	38	5.307G	39	5.499G	40	5.606G
41	5.462G	42	5.356G	43	5.522G	44	5.291G
45	5.432G	46	5.475G	47	5.581G	48	5.669G
49	5.297G	50	5.648G	51	5.675G	52	5.381G
53	5.335G	54	5.665G	55	5.529G	56	5.439G
57	5.292G	58	5.488G	59	5.686G	60	5.433G
61	5.693G	62	5.658G	63	5.514G	64	5.317G
65	5.332G	66	5.369G	67	5.567G	68	5.406G
69	5.645G	70	5.530G	71	5.370G	72	5.589G
73	5.315G	74	5.498G	75	5.604G	76	5.434G
77	5.346G	78	5.457G	79	5.306G	80	5.500G
81	5.253G	82	5.320G	83	5.258G	84	5.453G
85	5.435G	86	5.338G	87	5.302G	88	5.573G
89	5.318G	90	5.714G	91	5.539G	92	5.706G
93	5.516G	94	5.388G	95	5.295G	96	5.399G
97	5.448G	98	5.561G	99	5.340G	100	5.409G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.665G	2	5.289G	3	5.684G	4	5.629G
5	5.467G	6	5.253G	7	5.566G	8	5.371G
9	5.641G	10	5.322G	11	5.415G	12	5.362G
13	5.348G	14	5.364G	15	5.376G	16	5.556G
17	5.403G	18	5.501G	19	5.461G	20	5.427G
21	5.689G	22	5.718G	23	5.723G	24	5.391G
25	5.616G	26	5.488G	27	5.669G	28	5.711G
29	5.368G	30	5.716G	31	5.350G	32	5.369G
33	5.632G	34	5.436G	35	5.594G	36	5.337G
37	5.664G	38	5.452G	39	5.698G	40	5.308G
41	5.316G	42	5.382G	43	5.712G	44	5.380G
45	5.615G	46	5.417G	47	5.593G	48	5.502G
49	5.589G	50	5.637G	51	5.530G	52	5.379G
53	5.414G	54	5.268G	55	5.524G	56	5.406G
57	5.288G	58	5.325G	59	5.255G	60	5.254G
61	5.267G	62	5.523G	63	5.511G	64	5.423G
65	5.311G	66	5.602G	67	5.485G	68	5.666G
69	5.351G	70	5.412G	71	5.389G	72	5.540G
73	5.264G	74	5.605G	75	5.704G	76	5.531G
77	5.655G	78	5.434G	79	5.385G	80	5.653G
81	5.416G	82	5.668G	83	5.475G	84	5.660G
85	5.451G	86	5.317G	87	5.319G	88	5.687G
89	5.271G	90	5.482G	91	5.656G	92	5.300G
93	5.443G	94	5.564G	95	5.552G	96	5.285G
97	5.542G	98	5.483G	99	5.534G	100	5.324G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.250G	2	5.431G	3	5.619G	4	5.474G
5	5.301G	6	5.504G	7	5.574G	8	5.524G
9	5.491G	10	5.284G	11	5.439G	12	5.346G
13	5.509G	14	5.262G	15	5.631G	16	5.385G
17	5.276G	18	5.538G	19	5.376G	20	5.667G
21	5.685G	22	5.546G	23	5.612G	24	5.692G
25	5.668G	26	5.599G	27	5.351G	28	5.291G
29	5.708G	30	5.544G	31	5.416G	32	5.429G
33	5.545G	34	5.453G	35	5.440G	36	5.645G
37	5.278G	38	5.333G	39	5.610G	40	5.694G
41	5.611G	42	5.359G	43	5.392G	44	5.394G
45	5.551G	46	5.444G	47	5.660G	48	5.292G
49	5.680G	50	5.345G	51	5.561G	52	5.593G
53	5.621G	54	5.521G	55	5.678G	56	5.435G
57	5.300G	58	5.550G	59	5.547G	60	5.445G
61	5.319G	62	5.343G	63	5.644G	64	5.470G
65	5.334G	66	5.600G	67	5.510G	68	5.314G
69	5.426G	70	5.338G	71	5.637G	72	5.662G
73	5.311G	74	5.353G	75	5.306G	76	5.503G
77	5.465G	78	5.266G	79	5.427G	80	5.382G
81	5.670G	82	5.398G	83	5.630G	84	5.710G
85	5.519G	86	5.317G	87	5.661G	88	5.312G
89	5.324G	90	5.268G	91	5.720G	92	5.438G
93	5.473G	94	5.571G	95	5.397G	96	5.523G
97	5.297G	98	5.271G	99	5.696G	100	5.718G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.364G	2	5.273G	3	5.546G	4	5.692G
5	5.250G	6	5.595G	7	5.529G	8	5.543G
9	5.278G	10	5.341G	11	5.329G	12	5.299G
13	5.309G	14	5.599G	15	5.553G	16	5.490G
17	5.528G	18	5.388G	19	5.475G	20	5.626G
21	5.487G	22	5.512G	23	5.640G	24	5.580G
25	5.482G	26	5.340G	27	5.515G	28	5.360G
29	5.324G	30	5.408G	31	5.524G	32	5.472G
33	5.296G	34	5.625G	35	5.598G	36	5.590G
37	5.445G	38	5.631G	39	5.669G	40	5.519G
41	5.658G	42	5.495G	43	5.500G	44	5.588G
45	5.277G	46	5.367G	47	5.437G	48	5.574G
49	5.645G	50	5.272G	51	5.261G	52	5.681G
53	5.614G	54	5.332G	55	5.673G	56	5.670G
57	5.451G	58	5.545G	59	5.280G	60	5.352G
61	5.310G	62	5.362G	63	5.548G	64	5.499G
65	5.380G	66	5.335G	67	5.547G	68	5.607G
69	5.433G	70	5.462G	71	5.604G	72	5.503G
73	5.330G	74	5.488G	75	5.403G	76	5.558G
77	5.283G	78	5.262G	79	5.702G	80	5.479G
81	5.680G	82	5.372G	83	5.689G	84	5.711G
85	5.637G	86	5.293G	87	5.363G	88	5.276G
89	5.305G	90	5.511G	91	5.522G	92	5.656G
93	5.342G	94	5.435G	95	5.417G	96	5.699G
97	5.287G	98	5.295G	99	5.255G	100	5.422G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.673G	2	5.604G	3	5.481G	4	5.653G
5	5.612G	6	5.401G	7	5.295G	8	5.606G
9	5.382G	10	5.705G	11	5.360G	12	5.303G
13	5.723G	14	5.652G	15	5.338G	16	5.251G
17	5.384G	18	5.383G	19	5.548G	20	5.706G
21	5.330G	22	5.439G	23	5.558G	24	5.592G
25	5.479G	26	5.306G	27	5.412G	28	5.326G
29	5.545G	30	5.553G	31	5.577G	32	5.361G
33	5.342G	34	5.574G	35	5.339G	36	5.664G
37	5.637G	38	5.598G	39	5.666G	40	5.350G
41	5.717G	42	5.333G	43	5.313G	44	5.502G
45	5.646G	46	5.280G	47	5.260G	48	5.438G
49	5.501G	50	5.302G	51	5.685G	52	5.452G
53	5.543G	54	5.446G	55	5.626G	56	5.595G
57	5.254G	58	5.701G	59	5.458G	60	5.682G
61	5.424G	62	5.542G	63	5.454G	64	5.308G
65	5.261G	66	5.395G	67	5.651G	68	5.265G
69	5.584G	70	5.351G	71	5.551G	72	5.511G
73	5.569G	74	5.419G	75	5.523G	76	5.586G
77	5.391G	78	5.632G	79	5.474G	80	5.656G
81	5.580G	82	5.461G	83	5.473G	84	5.694G
85	5.289G	86	5.668G	87	5.634G	88	5.684G
89	5.488G	90	5.379G	91	5.311G	92	5.416G
93	5.286G	94	5.690G	95	5.466G	96	5.618G
97	5.386G	98	5.432G	99	5.649G	100	5.687G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.320G	2	5.552G	3	5.635G	4	5.506G
5	5.618G	6	5.375G	7	5.594G	8	5.288G
9	5.496G	10	5.544G	11	5.297G	12	5.299G
13	5.516G	14	5.517G	15	5.443G	16	5.488G
17	5.722G	18	5.640G	19	5.590G	20	5.677G
21	5.494G	22	5.539G	23	5.505G	24	5.655G
25	5.309G	26	5.294G	27	5.392G	28	5.491G
29	5.252G	30	5.602G	31	5.575G	32	5.562G
33	5.636G	34	5.688G	35	5.647G	36	5.307G
37	5.676G	38	5.519G	39	5.414G	40	5.665G
41	5.255G	42	5.376G	43	5.674G	44	5.504G
45	5.360G	46	5.345G	47	5.619G	48	5.339G
49	5.366G	50	5.361G	51	5.569G	52	5.305G
53	5.617G	54	5.302G	55	5.564G	56	5.257G
57	5.513G	58	5.526G	59	5.609G	60	5.567G
61	5.411G	62	5.668G	63	5.694G	64	5.405G
65	5.573G	66	5.438G	67	5.646G	68	5.314G
69	5.393G	70	5.273G	71	5.329G	72	5.371G
73	5.664G	74	5.560G	75	5.442G	76	5.566G
77	5.406G	78	5.498G	79	5.568G	80	5.623G
81	5.661G	82	5.340G	83	5.486G	84	5.298G
85	5.359G	86	5.269G	87	5.658G	88	5.705G
89	5.586G	90	5.533G	91	5.659G	92	5.399G
93	5.669G	94	5.596G	95	5.417G	96	5.382G
97	5.391G	98	5.606G	99	5.436G	100	5.363G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.476G	2	5.255G	3	5.318G	4	5.532G
5	5.312G	6	5.252G	7	5.272G	8	5.638G
9	5.547G	10	5.531G	11	5.461G	12	5.718G
13	5.686G	14	5.486G	15	5.469G	16	5.304G
17	5.439G	18	5.589G	19	5.354G	20	5.320G
21	5.433G	22	5.665G	23	5.438G	24	5.549G
25	5.494G	26	5.434G	27	5.577G	28	5.500G
29	5.397G	30	5.351G	31	5.664G	32	5.618G
33	5.282G	34	5.518G	35	5.442G	36	5.601G
37	5.643G	38	5.550G	39	5.254G	40	5.697G
41	5.598G	42	5.648G	43	5.405G	44	5.639G
45	5.482G	46	5.328G	47	5.528G	48	5.607G
49	5.679G	50	5.623G	51	5.294G	52	5.622G
53	5.275G	54	5.536G	55	5.321G	56	5.322G
57	5.662G	58	5.338G	59	5.400G	60	5.316G
61	5.593G	62	5.456G	63	5.503G	64	5.636G
65	5.483G	66	5.529G	67	5.611G	68	5.574G
69	5.477G	70	5.596G	71	5.467G	72	5.380G
73	5.386G	74	5.367G	75	5.412G	76	5.297G
77	5.460G	78	5.290G	79	5.714G	80	5.307G
81	5.350G	82	5.539G	83	5.388G	84	5.283G
85	5.578G	86	5.333G	87	5.345G	88	5.417G
89	5.711G	90	5.399G	91	5.548G	92	5.588G
93	5.576G	94	5.455G	95	5.478G	96	5.525G
97	5.334G	98	5.666G	99	5.361G	100	5.617G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.455G	2	5.371G	3	5.601G	4	5.600G
5	5.359G	6	5.292G	7	5.284G	8	5.384G
9	5.506G	10	5.581G	11	5.692G	12	5.544G
13	5.498G	14	5.521G	15	5.282G	16	5.354G
17	5.314G	18	5.669G	19	5.472G	20	5.480G
21	5.693G	22	5.452G	23	5.652G	24	5.681G
25	5.326G	26	5.379G	27	5.587G	28	5.373G
29	5.610G	30	5.448G	31	5.562G	32	5.566G
33	5.364G	34	5.515G	35	5.343G	36	5.653G
37	5.626G	38	5.392G	39	5.332G	40	5.673G
41	5.443G	42	5.589G	43	5.320G	44	5.305G
45	5.308G	46	5.442G	47	5.339G	48	5.607G
49	5.447G	50	5.264G	51	5.274G	52	5.540G
53	5.592G	54	5.317G	55	5.269G	56	5.613G
57	5.414G	58	5.667G	59	5.309G	60	5.426G
61	5.648G	62	5.481G	63	5.688G	64	5.560G
65	5.427G	66	5.400G	67	5.485G	68	5.676G
69	5.322G	70	5.416G	71	5.324G	72	5.301G
73	5.557G	74	5.640G	75	5.658G	76	5.270G
77	5.655G	78	5.709G	79	5.546G	80	5.654G
81	5.375G	82	5.319G	83	5.483G	84	5.417G
85	5.632G	86	5.261G	87	5.591G	88	5.340G
89	5.383G	90	5.538G	91	5.636G	92	5.470G
93	5.630G	94	5.323G	95	5.404G	96	5.594G
97	5.347G	98	5.428G	99	5.567G	100	5.529G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.412G	2	5.608G	3	5.437G	4	5.592G
5	5.615G	6	5.629G	7	5.710G	8	5.281G
9	5.315G	10	5.325G	11	5.647G	12	5.642G
13	5.349G	14	5.289G	15	5.255G	16	5.436G
17	5.483G	18	5.500G	19	5.624G	20	5.600G
21	5.662G	22	5.663G	23	5.413G	24	5.550G
25	5.714G	26	5.401G	27	5.695G	28	5.410G
29	5.301G	30	5.640G	31	5.478G	32	5.693G
33	5.338G	34	5.558G	35	5.300G	36	5.302G
37	5.514G	38	5.397G	39	5.385G	40	5.422G
41	5.316G	42	5.556G	43	5.313G	44	5.402G
45	5.399G	46	5.262G	47	5.598G	48	5.635G
49	5.368G	50	5.405G	51	5.616G	52	5.463G
53	5.298G	54	5.679G	55	5.441G	56	5.529G
57	5.359G	58	5.603G	59	5.456G	60	5.548G
61	5.489G	62	5.371G	63	5.634G	64	5.360G
65	5.599G	66	5.414G	67	5.293G	68	5.524G
69	5.464G	70	5.471G	71	5.713G	72	5.544G
73	5.681G	74	5.304G	75	5.685G	76	5.292G
77	5.536G	78	5.718G	79	5.291G	80	5.347G
81	5.520G	82	5.509G	83	5.345G	84	5.678G
85	5.655G	86	5.337G	87	5.504G	88	5.589G
89	5.560G	90	5.261G	91	5.587G	92	5.357G
93	5.446G	94	5.294G	95	5.257G	96	5.273G
97	5.622G	98	5.666G	99	5.689G	100	5.609G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.375G	2	5.583G	3	5.462G	4	5.356G
5	5.668G	6	5.459G	7	5.723G	8	5.317G
9	5.316G	10	5.360G	11	5.700G	12	5.570G
13	5.665G	14	5.420G	15	5.684G	16	5.398G
17	5.487G	18	5.677G	19	5.491G	20	5.532G
21	5.314G	22	5.721G	23	5.635G	24	5.627G
25	5.624G	26	5.641G	27	5.541G	28	5.416G
29	5.436G	30	5.401G	31	5.449G	32	5.579G
33	5.566G	34	5.691G	35	5.408G	36	5.465G
37	5.548G	38	5.284G	39	5.340G	40	5.469G
41	5.366G	42	5.516G	43	5.418G	44	5.598G
45	5.535G	46	5.704G	47	5.273G	48	5.397G
49	5.345G	50	5.521G	51	5.437G	52	5.261G
53	5.657G	54	5.364G	55	5.574G	56	5.606G
57	5.692G	58	5.503G	59	5.621G	60	5.662G
61	5.271G	62	5.387G	63	5.252G	64	5.707G
65	5.334G	66	5.542G	67	5.565G	68	5.596G
69	5.639G	70	5.470G	71	5.553G	72	5.631G
73	5.361G	74	5.713G	75	5.482G	76	5.395G
77	5.670G	78	5.258G	79	5.549G	80	5.294G
81	5.285G	82	5.479G	83	5.474G	84	5.517G
85	5.603G	86	5.587G	87	5.278G	88	5.393G
89	5.519G	90	5.661G	91	5.412G	92	5.272G
93	5.379G	94	5.588G	95	5.501G	96	5.614G
97	5.593G	98	5.581G	99	5.304G	100	5.269G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.253G	2	5.333G	3	5.587G	4	5.688G
5	5.436G	6	5.545G	7	5.364G	8	5.451G
9	5.506G	10	5.541G	11	5.638G	12	5.485G
13	5.367G	14	5.553G	15	5.271G	16	5.297G
17	5.423G	18	5.278G	19	5.543G	20	5.372G
21	5.296G	22	5.588G	23	5.558G	24	5.570G
25	5.438G	26	5.420G	27	5.497G	28	5.481G
29	5.326G	30	5.346G	31	5.693G	32	5.523G
33	5.647G	34	5.405G	35	5.335G	36	5.298G
37	5.667G	38	5.329G	39	5.718G	40	5.389G
41	5.474G	42	5.390G	43	5.697G	44	5.530G
45	5.576G	46	5.604G	47	5.455G	48	5.302G
49	5.429G	50	5.546G	51	5.433G	52	5.615G
53	5.264G	54	5.600G	55	5.336G	56	5.458G
57	5.310G	58	5.275G	59	5.712G	60	5.379G
61	5.505G	62	5.471G	63	5.490G	64	5.337G
65	5.456G	66	5.682G	67	5.689G	68	5.644G
69	5.258G	70	5.696G	71	5.722G	72	5.653G
73	5.435G	74	5.476G	75	5.658G	76	5.634G
77	5.411G	78	5.632G	79	5.592G	80	5.540G
81	5.510G	82	5.495G	83	5.348G	84	5.353G
85	5.622G	86	5.569G	87	5.664G	88	5.316G
89	5.599G	90	5.261G	91	5.601G	92	5.690G
93	5.685G	94	5.383G	95	5.404G	96	5.564G
97	5.274G	98	5.320G	99	5.306G	100	5.613G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.296G	2	5.625G	3	5.680G	4	5.614G
5	5.701G	6	5.315G	7	5.565G	8	5.365G
9	5.679G	10	5.306G	11	5.304G	12	5.276G
13	5.404G	14	5.677G	15	5.643G	16	5.470G
17	5.474G	18	5.479G	19	5.555G	20	5.350G
21	5.318G	22	5.439G	23	5.539G	24	5.693G
25	5.656G	26	5.592G	27	5.535G	28	5.670G
29	5.648G	30	5.495G	31	5.421G	32	5.257G
33	5.585G	34	5.298G	35	5.602G	36	5.503G
37	5.564G	38	5.523G	39	5.591G	40	5.578G
41	5.461G	42	5.668G	43	5.620G	44	5.295G
45	5.429G	46	5.373G	47	5.497G	48	5.608G
49	5.310G	50	5.278G	51	5.542G	52	5.534G
53	5.710G	54	5.294G	55	5.654G	56	5.490G
57	5.501G	58	5.566G	59	5.390G	60	5.259G
61	5.673G	62	5.491G	63	5.664G	64	5.449G
65	5.649G	66	5.462G	67	5.344G	68	5.540G
69	5.338G	70	5.290G	71	5.300G	72	5.293G
73	5.388G	74	5.522G	75	5.358G	76	5.605G
77	5.688G	78	5.570G	79	5.524G	80	5.431G
81	5.459G	82	5.403G	83	5.554G	84	5.694G
85	5.381G	86	5.582G	87	5.574G	88	5.720G
89	5.698G	90	5.472G	91	5.345G	92	5.443G
93	5.600G	94	5.581G	95	5.651G	96	5.560G
97	5.537G	98	5.703G	99	5.481G	100	5.561G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.698G	2	5.670G	3	5.589G	4	5.370G
5	5.306G	6	5.625G	7	5.333G	8	5.602G
9	5.695G	10	5.260G	11	5.536G	12	5.312G
13	5.708G	14	5.342G	15	5.332G	16	5.266G
17	5.336G	18	5.281G	19	5.315G	20	5.580G
21	5.252G	22	5.568G	23	5.594G	24	5.678G
25	5.623G	26	5.328G	27	5.543G	28	5.273G
29	5.651G	30	5.319G	31	5.490G	32	5.303G
33	5.416G	34	5.468G	35	5.705G	36	5.599G
37	5.541G	38	5.711G	39	5.438G	40	5.511G
41	5.663G	42	5.632G	43	5.274G	44	5.439G
45	5.527G	46	5.428G	47	5.375G	48	5.271G
49	5.616G	50	5.321G	51	5.464G	52	5.335G
53	5.454G	54	5.686G	55	5.677G	56	5.522G
57	5.408G	58	5.417G	59	5.500G	60	5.337G
61	5.366G	62	5.298G	63	5.637G	64	5.518G
65	5.409G	66	5.683G	67	5.714G	68	5.292G
69	5.256G	70	5.596G	71	5.569G	72	5.426G
73	5.341G	74	5.330G	75	5.718G	76	5.253G
77	5.361G	78	5.655G	79	5.401G	80	5.539G
81	5.662G	82	5.293G	83	5.258G	84	5.267G
85	5.394G	86	5.694G	87	5.675G	88	5.422G
89	5.386G	90	5.338G	91	5.509G	92	5.587G
93	5.640G	94	5.620G	95	5.331G	96	5.462G
97	5.346G	98	5.717G	99	5.329G	100	5.515G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.427G	2	5.405G	3	5.704G	4	5.599G
5	5.424G	6	5.686G	7	5.690G	8	5.289G
9	5.709G	10	5.270G	11	5.715G	12	5.720G
13	5.680G	14	5.352G	15	5.642G	16	5.643G
17	5.429G	18	5.364G	19	5.518G	20	5.268G
21	5.335G	22	5.258G	23	5.619G	24	5.602G
25	5.513G	26	5.661G	27	5.339G	28	5.411G
29	5.298G	30	5.506G	31	5.597G	32	5.290G
33	5.550G	34	5.615G	35	5.629G	36	5.560G
37	5.386G	38	5.261G	39	5.394G	40	5.711G
41	5.395G	42	5.254G	43	5.419G	44	5.656G
45	5.387G	46	5.285G	47	5.554G	48	5.479G
49	5.561G	50	5.588G	51	5.623G	52	5.392G
53	5.509G	54	5.486G	55	5.669G	56	5.365G
57	5.543G	58	5.631G	59	5.620G	60	5.705G
61	5.639G	62	5.612G	63	5.697G	64	5.696G
65	5.273G	66	5.455G	67	5.534G	68	5.425G
69	5.494G	70	5.345G	71	5.312G	72	5.441G
73	5.660G	74	5.363G	75	5.590G	76	5.499G
77	5.300G	78	5.540G	79	5.578G	80	5.283G
81	5.593G	82	5.468G	83	5.451G	84	5.418G
85	5.417G	86	5.580G	87	5.375G	88	5.463G
89	5.408G	90	5.651G	91	5.638G	92	5.549G
93	5.274G	94	5.370G	95	5.641G	96	5.548G
97	5.397G	98	5.255G	99	5.562G	100	5.645G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.698G	2	5.643G	3	5.292G	4	5.697G
5	5.718G	6	5.694G	7	5.583G	8	5.679G
9	5.616G	10	5.603G	11	5.303G	12	5.617G
13	5.405G	14	5.462G	15	5.661G	16	5.443G
17	5.305G	18	5.567G	19	5.717G	20	5.489G
21	5.522G	22	5.519G	23	5.435G	24	5.353G
25	5.668G	26	5.510G	27	5.256G	28	5.504G
29	5.580G	30	5.644G	31	5.699G	32	5.539G
33	5.630G	34	5.543G	35	5.551G	36	5.478G
37	5.374G	38	5.545G	39	5.629G	40	5.298G
41	5.454G	42	5.631G	43	5.555G	44	5.289G
45	5.458G	46	5.373G	47	5.446G	48	5.557G
49	5.308G	50	5.529G	51	5.413G	52	5.268G
53	5.287G	54	5.632G	55	5.662G	56	5.334G
57	5.348G	58	5.585G	59	5.574G	60	5.640G
61	5.372G	62	5.311G	63	5.720G	64	5.659G
65	5.705G	66	5.477G	67	5.299G	68	5.500G
69	5.690G	70	5.646G	71	5.524G	72	5.552G
73	5.723G	74	5.270G	75	5.635G	76	5.343G
77	5.607G	78	5.426G	79	5.532G	80	5.645G
81	5.461G	82	5.439G	83	5.665G	84	5.628G
85	5.427G	86	5.342G	87	5.266G	88	5.528G
89	5.295G	90	5.451G	91	5.279G	92	5.549G
93	5.534G	94	5.474G	95	5.345G	96	5.338G
97	5.286G	98	5.487G	99	5.438G	100	5.393G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.354G	2	5.607G	3	5.595G	4	5.714G
5	5.605G	6	5.681G	7	5.391G	8	5.556G
9	5.410G	10	5.666G	11	5.597G	12	5.620G
13	5.610G	14	5.376G	15	5.261G	16	5.553G
17	5.294G	18	5.638G	19	5.634G	20	5.275G
21	5.360G	22	5.652G	23	5.316G	24	5.447G
25	5.309G	26	5.500G	27	5.516G	28	5.694G
29	5.574G	30	5.364G	31	5.333G	32	5.542G
33	5.617G	34	5.541G	35	5.528G	36	5.404G
37	5.535G	38	5.562G	39	5.416G	40	5.437G
41	5.460G	42	5.519G	43	5.667G	44	5.430G
45	5.716G	46	5.544G	47	5.347G	48	5.612G
49	5.557G	50	5.510G	51	5.411G	52	5.415G
53	5.711G	54	5.417G	55	5.550G	56	5.276G
57	5.367G	58	5.434G	59	5.296G	60	5.521G
61	5.288G	62	5.642G	63	5.554G	64	5.321G
65	5.503G	66	5.656G	67	5.514G	68	5.353G
69	5.312G	70	5.522G	71	5.570G	72	5.328G
73	5.253G	74	5.486G	75	5.601G	76	5.639G
77	5.505G	78	5.298G	79	5.520G	80	5.683G
81	5.599G	82	5.643G	83	5.473G	84	5.335G
85	5.401G	86	5.698G	87	5.622G	88	5.315G
89	5.256G	90	5.426G	91	5.682G	92	5.365G
93	5.525G	94	5.428G	95	5.633G	96	5.491G
97	5.641G	98	5.318G	99	5.693G	100	5.440G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.290G	2	5.581G	3	5.661G	4	5.481G
5	5.377G	6	5.697G	7	5.503G	8	5.634G
9	5.384G	10	5.279G	11	5.612G	12	5.536G
13	5.644G	14	5.358G	15	5.283G	16	5.569G
17	5.484G	18	5.322G	19	5.381G	20	5.468G
21	5.261G	22	5.311G	23	5.617G	24	5.675G
25	5.337G	26	5.601G	27	5.287G	28	5.273G
29	5.597G	30	5.567G	31	5.368G	32	5.592G
33	5.623G	34	5.534G	35	5.352G	36	5.291G
37	5.250G	38	5.537G	39	5.584G	40	5.332G
41	5.485G	42	5.539G	43	5.548G	44	5.333G
45	5.693G	46	5.641G	47	5.694G	48	5.657G
49	5.575G	50	5.494G	51	5.438G	52	5.613G
53	5.709G	54	5.616G	55	5.571G	56	5.509G
57	5.355G	58	5.310G	59	5.389G	60	5.672G
61	5.652G	62	5.648G	63	5.670G	64	5.373G
65	5.563G	66	5.519G	67	5.436G	68	5.702G
69	5.562G	70	5.435G	71	5.477G	72	5.589G
73	5.353G	74	5.425G	75	5.419G	76	5.448G
77	5.433G	78	5.586G	79	5.339G	80	5.262G
81	5.292G	82	5.712G	83	5.696G	84	5.663G
85	5.490G	86	5.459G	87	5.266G	88	5.631G
89	5.637G	90	5.554G	91	5.306G	92	5.474G
93	5.676G	94	5.401G	95	5.325G	96	5.302G
97	5.376G	98	5.441G	99	5.257G	100	5.714G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.283G	2	5.280G	3	5.386G	4	5.393G
5	5.483G	6	5.377G	7	5.496G	8	5.442G
9	5.405G	10	5.643G	11	5.529G	12	5.418G
13	5.686G	14	5.293G	15	5.425G	16	5.401G
17	5.294G	18	5.354G	19	5.573G	20	5.696G
21	5.270G	22	5.489G	23	5.579G	24	5.558G
25	5.411G	26	5.534G	27	5.682G	28	5.669G
29	5.429G	30	5.655G	31	5.552G	32	5.622G
33	5.625G	34	5.428G	35	5.714G	36	5.268G
37	5.690G	38	5.632G	39	5.459G	40	5.535G
41	5.538G	42	5.256G	43	5.470G	44	5.289G
45	5.502G	46	5.549G	47	5.663G	48	5.341G
49	5.480G	50	5.524G	51	5.402G	52	5.315G
53	5.606G	54	5.589G	55	5.257G	56	5.423G
57	5.593G	58	5.530G	59	5.379G	60	5.436G
61	5.604G	62	5.568G	63	5.572G	64	5.394G
65	5.605G	66	5.255G	67	5.527G	68	5.564G
69	5.652G	70	5.602G	71	5.691G	72	5.639G
73	5.659G	74	5.692G	75	5.357G	76	5.693G
77	5.474G	78	5.299G	79	5.619G	80	5.424G
81	5.251G	82	5.373G	83	5.658G	84	5.430G
85	5.495G	86	5.263G	87	5.404G	88	5.577G
89	5.688G	90	5.551G	91	5.599G	92	5.636G
93	5.334G	94	5.291G	95	5.462G	96	5.557G
97	5.372G	98	5.399G	99	5.472G	100	5.703G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.587G	2	5.385G	3	5.608G	4	5.483G
5	5.668G	6	5.473G	7	5.595G	8	5.598G
9	5.529G	10	5.305G	11	5.641G	12	5.260G
13	5.519G	14	5.287G	15	5.445G	16	5.482G
17	5.499G	18	5.383G	19	5.317G	20	5.525G
21	5.308G	22	5.723G	23	5.380G	24	5.322G
25	5.629G	26	5.323G	27	5.640G	28	5.635G
29	5.573G	30	5.560G	31	5.545G	32	5.447G
33	5.467G	34	5.565G	35	5.324G	36	5.554G
37	5.333G	38	5.611G	39	5.663G	40	5.662G
41	5.638G	42	5.326G	43	5.367G	44	5.511G
45	5.578G	46	5.387G	47	5.698G	48	5.610G
49	5.485G	50	5.602G	51	5.396G	52	5.696G
53	5.331G	54	5.505G	55	5.722G	56	5.277G
57	5.478G	58	5.430G	59	5.406G	60	5.534G
61	5.382G	62	5.575G	63	5.295G	64	5.415G
65	5.294G	66	5.273G	67	5.315G	68	5.613G
69	5.645G	70	5.699G	71	5.412G	72	5.540G
73	5.471G	74	5.597G	75	5.397G	76	5.446G
77	5.666G	78	5.462G	79	5.504G	80	5.456G
81	5.612G	82	5.580G	83	5.600G	84	5.520G
85	5.680G	86	5.411G	87	5.386G	88	5.623G
89	5.353G	90	5.479G	91	5.426G	92	5.318G
93	5.693G	94	5.509G	95	5.553G	96	5.630G
97	5.357G	98	5.428G	99	5.591G	100	5.678G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.362G	2	5.680G	3	5.569G	4	5.283G
5	5.363G	6	5.481G	7	5.678G	8	5.326G
9	5.435G	10	5.595G	11	5.474G	12	5.585G
13	5.317G	14	5.515G	15	5.266G	16	5.393G
17	5.358G	18	5.589G	19	5.646G	20	5.306G
21	5.423G	22	5.377G	23	5.584G	24	5.337G
25	5.369G	26	5.310G	27	5.714G	28	5.559G
29	5.628G	30	5.400G	31	5.572G	32	5.302G
33	5.479G	34	5.413G	35	5.537G	36	5.706G
37	5.372G	38	5.278G	39	5.379G	40	5.662G
41	5.676G	42	5.470G	43	5.690G	44	5.610G
45	5.504G	46	5.281G	47	5.694G	48	5.509G
49	5.380G	50	5.421G	51	5.586G	52	5.409G
53	5.457G	54	5.578G	55	5.548G	56	5.391G
57	5.382G	58	5.371G	59	5.715G	60	5.512G
61	5.295G	62	5.463G	63	5.693G	64	5.320G
65	5.373G	66	5.535G	67	5.360G	68	5.554G
69	5.565G	70	5.273G	71	5.489G	72	5.431G
73	5.378G	74	5.415G	75	5.476G	76	5.653G
77	5.650G	78	5.700G	79	5.272G	80	5.368G
81	5.293G	82	5.682G	83	5.275G	84	5.264G
85	5.462G	86	5.472G	87	5.665G	88	5.444G
89	5.285G	90	5.359G	91	5.594G	92	5.558G
93	5.677G	94	5.491G	95	5.291G	96	5.356G
97	5.681G	98	5.274G	99	5.561G	100	5.429G



A D T

Hopping Frequency Sequence Name: HGA_HOP_A_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.374G	2	5.391G	3	5.290G	4	5.437G
5	5.436G	6	5.561G	7	5.260G	8	5.445G
9	5.631G	10	5.480G	11	5.301G	12	5.424G
13	5.338G	14	5.368G	15	5.681G	16	5.712G
17	5.292G	18	5.449G	19	5.565G	20	5.278G
21	5.250G	22	5.394G	23	5.458G	24	5.541G
25	5.722G	26	5.602G	27	5.276G	28	5.545G
29	5.302G	30	5.375G	31	5.339G	32	5.558G
33	5.549G	34	5.312G	35	5.305G	36	5.444G
37	5.614G	38	5.496G	39	5.635G	40	5.251G
41	5.553G	42	5.348G	43	5.415G	44	5.322G
45	5.367G	46	5.385G	47	5.488G	48	5.597G
49	5.350G	50	5.431G	51	5.666G	52	5.574G
53	5.679G	54	5.577G	55	5.692G	56	5.607G
57	5.280G	58	5.346G	59	5.497G	60	5.584G
61	5.439G	62	5.672G	63	5.357G	64	5.522G
65	5.686G	66	5.707G	67	5.564G	68	5.408G
69	5.483G	70	5.563G	71	5.463G	72	5.544G
73	5.525G	74	5.410G	75	5.489G	76	5.683G
77	5.363G	78	5.702G	79	5.252G	80	5.606G
81	5.401G	82	5.710G	83	5.647G	84	5.714G
85	5.467G	86	5.495G	87	5.636G	88	5.693G
89	5.718G	90	5.539G	91	5.557G	92	5.520G
93	5.474G	94	5.295G	95	5.705G	96	5.534G
97	5.616G	98	5.618G	99	5.573G	100	5.709G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.695G	2	5.666G	3	5.327G	4	5.663G
5	5.561G	6	5.522G	7	5.299G	8	5.321G
9	5.289G	10	5.348G	11	5.414G	12	5.487G
13	5.581G	14	5.510G	15	5.401G	16	5.459G
17	5.465G	18	5.355G	19	5.310G	20	5.578G
21	5.420G	22	5.572G	23	5.691G	24	5.357G
25	5.349G	26	5.290G	27	5.471G	28	5.570G
29	5.544G	30	5.314G	31	5.336G	32	5.506G
33	5.386G	34	5.524G	35	5.708G	36	5.402G
37	5.265G	38	5.706G	39	5.608G	40	5.356G
41	5.339G	42	5.591G	43	5.582G	44	5.565G
45	5.298G	46	5.485G	47	5.450G	48	5.418G
49	5.595G	50	5.499G	51	5.698G	52	5.317G
53	5.444G	54	5.479G	55	5.399G	56	5.573G
57	5.707G	58	5.281G	59	5.704G	60	5.489G
61	5.577G	62	5.686G	63	5.476G	64	5.602G
65	5.253G	66	5.500G	67	5.623G	68	5.526G
69	5.483G	70	5.646G	71	5.516G	72	5.439G
73	5.333G	74	5.455G	75	5.484G	76	5.266G
77	5.332G	78	5.723G	79	5.718G	80	5.456G
81	5.670G	82	5.509G	83	5.257G	84	5.647G
85	5.521G	86	5.652G	87	5.555G	88	5.378G
89	5.475G	90	5.433G	91	5.539G	92	5.596G
93	5.575G	94	5.297G	95	5.346G	96	5.685G
97	5.461G	98	5.272G	99	5.606G	100	5.613G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.342G	2	5.626G	3	5.413G	4	5.708G
5	5.598G	6	5.387G	7	5.346G	8	5.488G
9	5.418G	10	5.381G	11	5.637G	12	5.615G
13	5.580G	14	5.272G	15	5.336G	16	5.702G
17	5.315G	18	5.322G	19	5.522G	20	5.434G
21	5.501G	22	5.312G	23	5.399G	24	5.355G
25	5.546G	26	5.444G	27	5.511G	28	5.442G
29	5.527G	30	5.605G	31	5.459G	32	5.424G
33	5.468G	34	5.517G	35	5.476G	36	5.618G
37	5.278G	38	5.620G	39	5.624G	40	5.672G
41	5.668G	42	5.407G	43	5.422G	44	5.297G
45	5.284G	46	5.545G	47	5.411G	48	5.253G
49	5.405G	50	5.379G	51	5.423G	52	5.291G
53	5.409G	54	5.392G	55	5.574G	56	5.582G
57	5.659G	58	5.302G	59	5.427G	60	5.282G
61	5.298G	62	5.520G	63	5.716G	64	5.455G
65	5.432G	66	5.446G	67	5.369G	68	5.454G
69	5.314G	70	5.475G	71	5.608G	72	5.569G
73	5.448G	74	5.274G	75	5.485G	76	5.531G
77	5.415G	78	5.644G	79	5.692G	80	5.470G
81	5.281G	82	5.525G	83	5.491G	84	5.567G
85	5.565G	86	5.549G	87	5.370G	88	5.262G
89	5.498G	90	5.650G	91	5.523G	92	5.503G
93	5.555G	94	5.489G	95	5.401G	96	5.326G
97	5.400G	98	5.292G	99	5.337G	100	5.321G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.448G	2	5.250G	3	5.685G	4	5.477G
5	5.418G	6	5.656G	7	5.500G	8	5.573G
9	5.293G	10	5.316G	11	5.715G	12	5.632G
13	5.687G	14	5.363G	15	5.696G	16	5.697G
17	5.568G	18	5.519G	19	5.579G	20	5.313G
21	5.373G	22	5.631G	23	5.415G	24	5.669G
25	5.417G	26	5.308G	27	5.440G	28	5.543G
29	5.287G	30	5.635G	31	5.580G	32	5.704G
33	5.544G	34	5.343G	35	5.711G	36	5.376G
37	5.710G	38	5.680G	39	5.586G	40	5.618G
41	5.668G	42	5.720G	43	5.709G	44	5.675G
45	5.323G	46	5.351G	47	5.443G	48	5.603G
49	5.445G	50	5.599G	51	5.255G	52	5.429G
53	5.473G	54	5.532G	55	5.660G	56	5.317G
57	5.388G	58	5.340G	59	5.458G	60	5.655G
61	5.520G	62	5.377G	63	5.658G	64	5.424G
65	5.574G	66	5.425G	67	5.304G	68	5.491G
69	5.262G	70	5.342G	71	5.706G	72	5.538G
73	5.430G	74	5.524G	75	5.423G	76	5.673G
77	5.708G	78	5.427G	79	5.439G	80	5.688G
81	5.567G	82	5.405G	83	5.529G	84	5.474G
85	5.350G	86	5.512G	87	5.301G	88	5.357G
89	5.426G	90	5.391G	91	5.338G	92	5.409G
93	5.484G	94	5.717G	95	5.485G	96	5.523G
97	5.271G	98	5.253G	99	5.307G	100	5.681G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.294G	2	5.584G	3	5.442G	4	5.299G
5	5.463G	6	5.703G	7	5.649G	8	5.386G
9	5.723G	10	5.614G	11	5.645G	12	5.250G
13	5.695G	14	5.270G	15	5.586G	16	5.263G
17	5.400G	18	5.526G	19	5.276G	20	5.699G
21	5.642G	22	5.687G	23	5.360G	24	5.291G
25	5.472G	26	5.707G	27	5.567G	28	5.539G
29	5.547G	30	5.656G	31	5.696G	32	5.395G
33	5.378G	34	5.342G	35	5.286G	36	5.473G
37	5.644G	38	5.323G	39	5.444G	40	5.281G
41	5.382G	42	5.410G	43	5.716G	44	5.579G
45	5.710G	46	5.595G	47	5.273G	48	5.667G
49	5.338G	50	5.561G	51	5.704G	52	5.624G
53	5.458G	54	5.617G	55	5.403G	56	5.705G
57	5.686G	58	5.433G	59	5.680G	60	5.623G
61	5.292G	62	5.529G	63	5.372G	64	5.417G
65	5.612G	66	5.488G	67	5.383G	68	5.502G
69	5.331G	70	5.514G	71	5.722G	72	5.662G
73	5.535G	74	5.604G	75	5.462G	76	5.304G
77	5.682G	78	5.720G	79	5.301G	80	5.607G
81	5.630G	82	5.479G	83	5.348G	84	5.303G
85	5.572G	86	5.322G	87	5.277G	88	5.615G
89	5.674G	90	5.485G	91	5.257G	92	5.566G
93	5.658G	94	5.569G	95	5.640G	96	5.280G
97	5.448G	98	5.440G	99	5.358G	100	5.568G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.524G	2	5.637G	3	5.567G	4	5.437G
5	5.694G	6	5.609G	7	5.405G	8	5.404G
9	5.432G	10	5.426G	11	5.454G	12	5.581G
13	5.703G	14	5.407G	15	5.356G	16	5.296G
17	5.515G	18	5.491G	19	5.399G	20	5.619G
21	5.684G	22	5.406G	23	5.538G	24	5.419G
25	5.519G	26	5.392G	27	5.472G	28	5.673G
29	5.630G	30	5.685G	31	5.367G	32	5.285G
33	5.424G	34	5.638G	35	5.482G	36	5.423G
37	5.303G	38	5.420G	39	5.667G	40	5.280G
41	5.445G	42	5.462G	43	5.478G	44	5.625G
45	5.475G	46	5.635G	47	5.720G	48	5.692G
49	5.288G	50	5.422G	51	5.547G	52	5.313G
53	5.534G	54	5.279G	55	5.430G	56	5.693G
57	5.644G	58	5.461G	59	5.323G	60	5.688G
61	5.521G	62	5.463G	63	5.352G	64	5.355G
65	5.689G	66	5.551G	67	5.563G	68	5.344G
69	5.574G	70	5.646G	71	5.320G	72	5.608G
73	5.503G	74	5.351G	75	5.569G	76	5.379G
77	5.516G	78	5.278G	79	5.444G	80	5.342G
81	5.408G	82	5.568G	83	5.312G	84	5.325G
85	5.650G	86	5.429G	87	5.264G	88	5.483G
89	5.585G	90	5.453G	91	5.639G	92	5.414G
93	5.723G	94	5.655G	95	5.698G	96	5.471G
97	5.678G	98	5.428G	99	5.715G	100	5.411G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.521G	2	5.472G	3	5.410G	4	5.708G
5	5.315G	6	5.666G	7	5.520G	8	5.266G
9	5.570G	10	5.283G	11	5.547G	12	5.406G
13	5.412G	14	5.591G	15	5.559G	16	5.417G
17	5.579G	18	5.307G	19	5.720G	20	5.301G
21	5.383G	22	5.640G	23	5.363G	24	5.320G
25	5.603G	26	5.655G	27	5.436G	28	5.642G
29	5.371G	30	5.702G	31	5.528G	32	5.421G
33	5.622G	34	5.413G	35	5.715G	36	5.433G
37	5.503G	38	5.554G	39	5.401G	40	5.415G
41	5.605G	42	5.474G	43	5.435G	44	5.348G
45	5.638G	46	5.586G	47	5.695G	48	5.337G
49	5.684G	50	5.331G	51	5.339G	52	5.255G
53	5.388G	54	5.564G	55	5.701G	56	5.264G
57	5.700G	58	5.333G	59	5.543G	60	5.352G
61	5.588G	62	5.407G	63	5.593G	64	5.661G
65	5.616G	66	5.682G	67	5.551G	68	5.422G
69	5.447G	70	5.486G	71	5.394G	72	5.544G
73	5.276G	74	5.649G	75	5.456G	76	5.336G
77	5.647G	78	5.462G	79	5.703G	80	5.428G
81	5.278G	82	5.698G	83	5.535G	84	5.686G
85	5.599G	86	5.448G	87	5.513G	88	5.659G
89	5.530G	90	5.637G	91	5.710G	92	5.643G
93	5.438G	94	5.709G	95	5.254G	96	5.346G
97	5.289G	98	5.525G	99	5.437G	100	5.393G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.475G	2	5.655G	3	5.490G	4	5.406G
5	5.549G	6	5.694G	7	5.538G	8	5.654G
9	5.673G	10	5.474G	11	5.405G	12	5.572G
13	5.696G	14	5.640G	15	5.303G	16	5.666G
17	5.683G	18	5.437G	19	5.258G	20	5.416G
21	5.656G	22	5.348G	23	5.568G	24	5.291G
25	5.300G	26	5.687G	27	5.361G	28	5.338G
29	5.600G	30	5.392G	31	5.391G	32	5.531G
33	5.563G	34	5.609G	35	5.644G	36	5.402G
37	5.619G	38	5.632G	39	5.389G	40	5.273G
41	5.695G	42	5.277G	43	5.471G	44	5.555G
45	5.643G	46	5.407G	47	5.366G	48	5.480G
49	5.535G	50	5.601G	51	5.473G	52	5.706G
53	5.660G	54	5.500G	55	5.595G	56	5.720G
57	5.250G	58	5.615G	59	5.443G	60	5.259G
61	5.289G	62	5.305G	63	5.575G	64	5.419G
65	5.324G	66	5.682G	67	5.679G	68	5.593G
69	5.479G	70	5.369G	71	5.617G	72	5.482G
73	5.573G	74	5.457G	75	5.524G	76	5.585G
77	5.637G	78	5.543G	79	5.381G	80	5.582G
81	5.451G	82	5.716G	83	5.550G	84	5.483G
85	5.323G	86	5.661G	87	5.318G	88	5.596G
89	5.376G	90	5.383G	91	5.296G	92	5.532G
93	5.384G	94	5.404G	95	5.547G	96	5.270G
97	5.260G	98	5.494G	99	5.374G	100	5.676G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.262G	2	5.335G	3	5.406G	4	5.682G
5	5.600G	6	5.426G	7	5.397G	8	5.524G
9	5.678G	10	5.250G	11	5.454G	12	5.530G
13	5.590G	14	5.420G	15	5.396G	16	5.317G
17	5.421G	18	5.407G	19	5.624G	20	5.268G
21	5.655G	22	5.291G	23	5.451G	24	5.287G
25	5.385G	26	5.578G	27	5.709G	28	5.598G
29	5.301G	30	5.626G	31	5.546G	32	5.333G
33	5.290G	34	5.350G	35	5.470G	36	5.270G
37	5.441G	38	5.603G	39	5.710G	40	5.668G
41	5.593G	42	5.267G	43	5.321G	44	5.299G
45	5.649G	46	5.687G	47	5.465G	48	5.516G
49	5.677G	50	5.468G	51	5.666G	52	5.547G
53	5.720G	54	5.502G	55	5.387G	56	5.477G
57	5.381G	58	5.599G	59	5.433G	60	5.498G
61	5.529G	62	5.294G	63	5.512G	64	5.585G
65	5.618G	66	5.259G	67	5.472G	68	5.691G
69	5.528G	70	5.611G	71	5.376G	72	5.342G
73	5.446G	74	5.303G	75	5.309G	76	5.541G
77	5.674G	78	5.288G	79	5.474G	80	5.607G
81	5.292G	82	5.393G	83	5.401G	84	5.272G
85	5.308G	86	5.306G	87	5.487G	88	5.490G
89	5.313G	90	5.332G	91	5.340G	92	5.325G
93	5.659G	94	5.276G	95	5.557G	96	5.602G
97	5.422G	98	5.473G	99	5.471G	100	5.532G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.417G	2	5.713G	3	5.678G	4	5.464G
5	5.667G	6	5.269G	7	5.274G	8	5.265G
9	5.644G	10	5.723G	11	5.512G	12	5.254G
13	5.661G	14	5.501G	15	5.258G	16	5.465G
17	5.392G	18	5.682G	19	5.386G	20	5.533G
21	5.690G	22	5.423G	23	5.443G	24	5.581G
25	5.453G	26	5.284G	27	5.559G	28	5.340G
29	5.250G	30	5.694G	31	5.676G	32	5.596G
33	5.491G	34	5.646G	35	5.401G	36	5.702G
37	5.336G	38	5.499G	39	5.301G	40	5.615G
41	5.504G	42	5.287G	43	5.278G	44	5.353G
45	5.425G	46	5.337G	47	5.520G	48	5.519G
49	5.461G	50	5.253G	51	5.608G	52	5.510G
53	5.308G	54	5.407G	55	5.485G	56	5.718G
57	5.660G	58	5.635G	59	5.400G	60	5.381G
61	5.542G	62	5.307G	63	5.414G	64	5.605G
65	5.343G	66	5.529G	67	5.500G	68	5.296G
69	5.693G	70	5.626G	71	5.717G	72	5.530G
73	5.297G	74	5.367G	75	5.629G	76	5.437G
77	5.532G	78	5.445G	79	5.412G	80	5.372G
81	5.712G	82	5.597G	83	5.696G	84	5.413G
85	5.564G	86	5.700G	87	5.333G	88	5.260G
89	5.252G	90	5.373G	91	5.680G	92	5.509G
93	5.348G	94	5.521G	95	5.543G	96	5.677G
97	5.273G	98	5.724G	99	5.314G	100	5.390G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.565G	2	5.654G	3	5.449G	4	5.535G
5	5.482G	6	5.326G	7	5.585G	8	5.520G
9	5.358G	10	5.384G	11	5.263G	12	5.623G
13	5.515G	14	5.576G	15	5.395G	16	5.478G
17	5.618G	18	5.570G	19	5.649G	20	5.283G
21	5.375G	22	5.524G	23	5.606G	24	5.573G
25	5.388G	26	5.450G	27	5.451G	28	5.547G
29	5.453G	30	5.548G	31	5.474G	32	5.593G
33	5.671G	34	5.500G	35	5.445G	36	5.635G
37	5.672G	38	5.488G	39	5.580G	40	5.571G
41	5.599G	42	5.661G	43	5.308G	44	5.719G
45	5.470G	46	5.430G	47	5.540G	48	5.633G
49	5.329G	50	5.637G	51	5.403G	52	5.512G
53	5.257G	54	5.396G	55	5.645G	56	5.284G
57	5.703G	58	5.324G	59	5.342G	60	5.448G
61	5.365G	62	5.686G	63	5.594G	64	5.372G
65	5.301G	66	5.386G	67	5.442G	68	5.689G
69	5.368G	70	5.670G	71	5.537G	72	5.699G
73	5.509G	74	5.628G	75	5.298G	76	5.529G
77	5.674G	78	5.327G	79	5.590G	80	5.579G
81	5.320G	82	5.549G	83	5.541G	84	5.494G
85	5.462G	86	5.502G	87	5.647G	88	5.347G
89	5.318G	90	5.550G	91	5.539G	92	5.340G
93	5.538G	94	5.552G	95	5.391G	96	5.299G
97	5.337G	98	5.701G	99	5.435G	100	5.495G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.478G	2	5.719G	3	5.628G	4	5.665G
5	5.429G	6	5.284G	7	5.422G	8	5.553G
9	5.259G	10	5.286G	11	5.296G	12	5.506G
13	5.680G	14	5.480G	15	5.648G	16	5.252G
17	5.635G	18	5.543G	19	5.534G	20	5.418G
21	5.481G	22	5.388G	23	5.370G	24	5.586G
25	5.251G	26	5.440G	27	5.322G	28	5.447G
29	5.686G	30	5.500G	31	5.621G	32	5.404G
33	5.471G	34	5.444G	35	5.250G	36	5.598G
37	5.343G	38	5.256G	39	5.505G	40	5.691G
41	5.469G	42	5.662G	43	5.378G	44	5.349G
45	5.537G	46	5.317G	47	5.667G	48	5.709G
49	5.614G	50	5.630G	51	5.279G	52	5.521G
53	5.315G	54	5.703G	55	5.361G	56	5.386G
57	5.571G	58	5.625G	59	5.569G	60	5.482G
61	5.654G	62	5.589G	63	5.320G	64	5.560G
65	5.282G	66	5.532G	67	5.400G	68	5.670G
69	5.405G	70	5.694G	71	5.708G	72	5.582G
73	5.359G	74	5.253G	75	5.461G	76	5.451G
77	5.547G	78	5.622G	79	5.637G	80	5.329G
81	5.564G	82	5.701G	83	5.342G	84	5.267G
85	5.457G	86	5.453G	87	5.340G	88	5.599G
89	5.277G	90	5.264G	91	5.345G	92	5.491G
93	5.541G	94	5.442G	95	5.624G	96	5.712G
97	5.538G	98	5.646G	99	5.687G	100	5.516G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.355G	2	5.503G	3	5.264G	4	5.608G
5	5.504G	6	5.470G	7	5.254G	8	5.306G
9	5.544G	10	5.648G	11	5.704G	12	5.344G
13	5.600G	14	5.253G	15	5.611G	16	5.536G
17	5.328G	18	5.263G	19	5.410G	20	5.524G
21	5.636G	22	5.265G	23	5.272G	24	5.688G
25	5.480G	26	5.603G	27	5.370G	28	5.424G
29	5.302G	30	5.705G	31	5.678G	32	5.490G
33	5.395G	34	5.479G	35	5.359G	36	5.428G
37	5.372G	38	5.665G	39	5.421G	40	5.274G
41	5.476G	42	5.633G	43	5.380G	44	5.571G
45	5.511G	46	5.309G	47	5.561G	48	5.433G
49	5.651G	50	5.623G	51	5.474G	52	5.357G
53	5.340G	54	5.534G	55	5.284G	56	5.519G
57	5.420G	58	5.587G	59	5.585G	60	5.543G
61	5.605G	62	5.686G	63	5.701G	64	5.567G
65	5.558G	66	5.362G	67	5.292G	68	5.337G
69	5.687G	70	5.467G	71	5.442G	72	5.538G
73	5.541G	74	5.434G	75	5.720G	76	5.652G
77	5.620G	78	5.356G	79	5.394G	80	5.385G
81	5.252G	82	5.281G	83	5.641G	84	5.304G
85	5.589G	86	5.516G	87	5.299G	88	5.422G
89	5.517G	90	5.260G	91	5.662G	92	5.446G
93	5.285G	94	5.698G	95	5.406G	96	5.580G
97	5.691G	98	5.469G	99	5.425G	100	5.680G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.252G	2	5.587G	3	5.265G	4	5.608G
5	5.456G	6	5.465G	7	5.369G	8	5.650G
9	5.622G	10	5.592G	11	5.404G	12	5.676G
13	5.485G	14	5.448G	15	5.446G	16	5.281G
17	5.426G	18	5.403G	19	5.375G	20	5.331G
21	5.605G	22	5.635G	23	5.477G	24	5.576G
25	5.278G	26	5.360G	27	5.324G	28	5.585G
29	5.433G	30	5.582G	31	5.614G	32	5.647G
33	5.486G	34	5.450G	35	5.639G	36	5.701G
37	5.267G	38	5.334G	39	5.458G	40	5.496G
41	5.444G	42	5.679G	43	5.396G	44	5.709G
45	5.434G	46	5.472G	47	5.713G	48	5.408G
49	5.333G	50	5.436G	51	5.427G	52	5.414G
53	5.316G	54	5.438G	55	5.321G	56	5.294G
57	5.557G	58	5.662G	59	5.718G	60	5.292G
61	5.569G	62	5.476G	63	5.519G	64	5.349G
65	5.250G	66	5.412G	67	5.595G	68	5.606G
69	5.385G	70	5.328G	71	5.652G	72	5.253G
73	5.268G	74	5.575G	75	5.721G	76	5.577G
77	5.572G	78	5.579G	79	5.656G	80	5.256G
81	5.381G	82	5.313G	83	5.602G	84	5.413G
85	5.629G	86	5.339G	87	5.262G	88	5.428G
89	5.372G	90	5.610G	91	5.296G	92	5.695G
93	5.497G	94	5.303G	95	5.311G	96	5.285G
97	5.715G	98	5.388G	99	5.277G	100	5.455G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.440G	2	5.707G	3	5.486G	4	5.588G
5	5.519G	6	5.274G	7	5.279G	8	5.700G
9	5.595G	10	5.337G	11	5.714G	12	5.676G
13	5.589G	14	5.516G	15	5.501G	16	5.316G
17	5.287G	18	5.368G	19	5.666G	20	5.531G
21	5.664G	22	5.309G	23	5.657G	24	5.659G
25	5.465G	26	5.322G	27	5.557G	28	5.461G
29	5.721G	30	5.258G	31	5.342G	32	5.662G
33	5.300G	34	5.713G	35	5.706G	36	5.555G
37	5.273G	38	5.298G	39	5.572G	40	5.253G
41	5.560G	42	5.323G	43	5.651G	44	5.699G
45	5.513G	46	5.275G	47	5.301G	48	5.682G
49	5.667G	50	5.393G	51	5.396G	52	5.420G
53	5.263G	54	5.319G	55	5.648G	56	5.327G
57	5.527G	58	5.479G	59	5.404G	60	5.341G
61	5.397G	62	5.653G	63	5.688G	64	5.293G
65	5.613G	66	5.369G	67	5.537G	68	5.411G
69	5.672G	70	5.394G	71	5.616G	72	5.297G
73	5.282G	74	5.332G	75	5.552G	76	5.318G
77	5.624G	78	5.367G	79	5.649G	80	5.351G
81	5.597G	82	5.627G	83	5.673G	84	5.691G
85	5.348G	86	5.475G	87	5.679G	88	5.615G
89	5.608G	90	5.570G	91	5.646G	92	5.360G
93	5.487G	94	5.499G	95	5.429G	96	5.642G
97	5.470G	98	5.577G	99	5.494G	100	5.339G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.361G	2	5.416G	3	5.322G	4	5.290G
5	5.462G	6	5.283G	7	5.565G	8	5.333G
9	5.259G	10	5.291G	11	5.675G	12	5.312G
13	5.430G	14	5.525G	15	5.352G	16	5.471G
17	5.636G	18	5.405G	19	5.617G	20	5.339G
21	5.387G	22	5.474G	23	5.426G	24	5.554G
25	5.413G	26	5.716G	27	5.711G	28	5.632G
29	5.658G	30	5.485G	31	5.631G	32	5.288G
33	5.571G	34	5.503G	35	5.294G	36	5.666G
37	5.438G	38	5.637G	39	5.720G	40	5.502G
41	5.330G	42	5.254G	43	5.639G	44	5.715G
45	5.541G	46	5.690G	47	5.314G	48	5.697G
49	5.534G	50	5.698G	51	5.276G	52	5.524G
53	5.652G	54	5.551G	55	5.587G	56	5.670G
57	5.646G	58	5.481G	59	5.466G	60	5.480G
61	5.342G	62	5.589G	63	5.393G	64	5.351G
65	5.267G	66	5.520G	67	5.265G	68	5.595G
69	5.523G	70	5.570G	71	5.355G	72	5.575G
73	5.356G	74	5.282G	75	5.566G	76	5.368G
77	5.640G	78	5.645G	79	5.433G	80	5.417G
81	5.383G	82	5.703G	83	5.455G	84	5.279G
85	5.685G	86	5.528G	87	5.277G	88	5.572G
89	5.576G	90	5.516G	91	5.310G	92	5.347G
93	5.329G	94	5.378G	95	5.623G	96	5.331G
97	5.410G	98	5.385G	99	5.619G	100	5.286G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.306G	2	5.586G	3	5.570G	4	5.299G
5	5.537G	6	5.425G	7	5.645G	8	5.348G
9	5.381G	10	5.506G	11	5.277G	12	5.585G
13	5.285G	14	5.384G	15	5.451G	16	5.715G
17	5.436G	18	5.352G	19	5.683G	20	5.484G
21	5.452G	22	5.415G	23	5.316G	24	5.251G
25	5.441G	26	5.439G	27	5.254G	28	5.597G
29	5.369G	30	5.499G	31	5.434G	32	5.573G
33	5.374G	34	5.545G	35	5.255G	36	5.487G
37	5.480G	38	5.481G	39	5.450G	40	5.635G
41	5.701G	42	5.592G	43	5.628G	44	5.297G
45	5.556G	46	5.634G	47	5.345G	48	5.401G
49	5.289G	50	5.643G	51	5.410G	52	5.279G
53	5.564G	54	5.672G	55	5.266G	56	5.437G
57	5.417G	58	5.333G	59	5.479G	60	5.446G
61	5.444G	62	5.250G	63	5.510G	64	5.258G
65	5.315G	66	5.311G	67	5.489G	68	5.262G
69	5.504G	70	5.324G	71	5.490G	72	5.514G
73	5.563G	74	5.656G	75	5.523G	76	5.578G
77	5.598G	78	5.560G	79	5.335G	80	5.293G
81	5.264G	82	5.518G	83	5.438G	84	5.337G
85	5.575G	86	5.424G	87	5.394G	88	5.709G
89	5.532G	90	5.294G	91	5.341G	92	5.693G
93	5.399G	94	5.367G	95	5.698G	96	5.517G
97	5.649G	98	5.505G	99	5.703G	100	5.260G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.546G	2	5.576G	3	5.573G	4	5.631G
5	5.713G	6	5.547G	7	5.357G	8	5.478G
9	5.410G	10	5.642G	11	5.391G	12	5.413G
13	5.377G	14	5.409G	15	5.390G	16	5.624G
17	5.451G	18	5.524G	19	5.570G	20	5.263G
21	5.376G	22	5.414G	23	5.332G	24	5.480G
25	5.266G	26	5.569G	27	5.345G	28	5.294G
29	5.518G	30	5.533G	31	5.401G	32	5.707G
33	5.422G	34	5.497G	35	5.623G	36	5.539G
37	5.700G	38	5.453G	39	5.583G	40	5.375G
41	5.678G	42	5.388G	43	5.512G	44	5.688G
45	5.722G	46	5.273G	47	5.435G	48	5.341G
49	5.337G	50	5.496G	51	5.440G	52	5.685G
53	5.392G	54	5.620G	55	5.709G	56	5.271G
57	5.694G	58	5.646G	59	5.610G	60	5.459G
61	5.436G	62	5.442G	63	5.334G	64	5.558G
65	5.389G	66	5.557G	67	5.648G	68	5.597G
69	5.649G	70	5.590G	71	5.665G	72	5.681G
73	5.372G	74	5.621G	75	5.408G	76	5.431G
77	5.382G	78	5.668G	79	5.481G	80	5.666G
81	5.277G	82	5.714G	83	5.696G	84	5.466G
85	5.510G	86	5.474G	87	5.320G	88	5.703G
89	5.336G	90	5.407G	91	5.617G	92	5.654G
93	5.330G	94	5.599G	95	5.667G	96	5.723G
97	5.429G	98	5.582G	99	5.514G	100	5.295G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.258G	2	5.712G	3	5.654G	4	5.279G
5	5.302G	6	5.495G	7	5.634G	8	5.703G
9	5.267G	10	5.690G	11	5.389G	12	5.516G
13	5.638G	14	5.334G	15	5.353G	16	5.677G
17	5.500G	18	5.319G	19	5.294G	20	5.431G
21	5.616G	22	5.614G	23	5.284G	24	5.384G
25	5.522G	26	5.583G	27	5.346G	28	5.253G
29	5.262G	30	5.484G	31	5.518G	32	5.680G
33	5.393G	34	5.643G	35	5.578G	36	5.434G
37	5.470G	38	5.299G	39	5.534G	40	5.266G
41	5.307G	42	5.632G	43	5.263G	44	5.721G
45	5.254G	46	5.593G	47	5.626G	48	5.386G
49	5.400G	50	5.256G	51	5.357G	52	5.352G
53	5.610G	54	5.478G	55	5.463G	56	5.251G
57	5.723G	58	5.575G	59	5.520G	60	5.467G
61	5.720G	62	5.609G	63	5.390G	64	5.674G
65	5.318G	66	5.637G	67	5.430G	68	5.696G
69	5.419G	70	5.551G	71	5.688G	72	5.631G
73	5.554G	74	5.705G	75	5.633G	76	5.338G
77	5.651G	78	5.268G	79	5.544G	80	5.309G
81	5.549G	82	5.272G	83	5.421G	84	5.566G
85	5.590G	86	5.515G	87	5.273G	88	5.598G
89	5.669G	90	5.274G	91	5.606G	92	5.605G
93	5.548G	94	5.455G	95	5.497G	96	5.297G
97	5.684G	98	5.360G	99	5.416G	100	5.565G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.388G	2	5.381G	3	5.311G	4	5.355G
5	5.441G	6	5.698G	7	5.305G	8	5.638G
9	5.471G	10	5.514G	11	5.560G	12	5.647G
13	5.548G	14	5.251G	15	5.626G	16	5.489G
17	5.409G	18	5.366G	19	5.656G	20	5.304G
21	5.378G	22	5.632G	23	5.711G	24	5.374G
25	5.497G	26	5.485G	27	5.490G	28	5.468G
29	5.527G	30	5.500G	31	5.630G	32	5.529G
33	5.706G	34	5.270G	35	5.379G	36	5.684G
37	5.542G	38	5.277G	39	5.635G	40	5.384G
41	5.516G	42	5.282G	43	5.597G	44	5.377G
45	5.708G	46	5.415G	47	5.530G	48	5.498G
49	5.675G	50	5.721G	51	5.613G	52	5.665G
53	5.662G	54	5.448G	55	5.425G	56	5.523G
57	5.345G	58	5.615G	59	5.351G	60	5.487G
61	5.621G	62	5.713G	63	5.316G	64	5.347G
65	5.594G	66	5.307G	67	5.658G	68	5.566G
69	5.610G	70	5.445G	71	5.439G	72	5.612G
73	5.646G	74	5.477G	75	5.712G	76	5.699G
77	5.491G	78	5.603G	79	5.334G	80	5.608G
81	5.258G	82	5.686G	83	5.588G	84	5.473G
85	5.685G	86	5.705G	87	5.333G	88	5.320G
89	5.484G	90	5.528G	91	5.572G	92	5.319G
93	5.418G	94	5.332G	95	5.672G	96	5.599G
97	5.720G	98	5.431G	99	5.274G	100	5.651G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.292G	2	5.654G	3	5.429G	4	5.518G
5	5.597G	6	5.416G	7	5.564G	8	5.331G
9	5.598G	10	5.495G	11	5.717G	12	5.426G
13	5.298G	14	5.410G	15	5.427G	16	5.660G
17	5.500G	18	5.721G	19	5.333G	20	5.716G
21	5.268G	22	5.600G	23	5.657G	24	5.532G
25	5.713G	26	5.441G	27	5.271G	28	5.287G
29	5.394G	30	5.313G	31	5.258G	32	5.578G
33	5.709G	34	5.650G	35	5.424G	36	5.549G
37	5.584G	38	5.452G	39	5.378G	40	5.485G
41	5.464G	42	5.436G	43	5.605G	44	5.370G
45	5.501G	46	5.389G	47	5.627G	48	5.296G
49	5.474G	50	5.621G	51	5.722G	52	5.577G
53	5.592G	54	5.491G	55	5.668G	56	5.641G
57	5.301G	58	5.665G	59	5.467G	60	5.696G
61	5.651G	62	5.423G	63	5.353G	64	5.261G
65	5.589G	66	5.683G	67	5.390G	68	5.342G
69	5.468G	70	5.566G	71	5.363G	72	5.253G
73	5.494G	74	5.568G	75	5.723G	76	5.304G
77	5.655G	78	5.257G	79	5.282G	80	5.517G
81	5.398G	82	5.681G	83	5.446G	84	5.506G
85	5.400G	86	5.719G	87	5.488G	88	5.576G
89	5.558G	90	5.344G	91	5.575G	92	5.305G
93	5.530G	94	5.720G	95	5.643G	96	5.652G
97	5.656G	98	5.567G	99	5.396G	100	5.367G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.398G	2	5.470G	3	5.336G	4	5.514G
5	5.467G	6	5.289G	7	5.258G	8	5.329G
9	5.271G	10	5.610G	11	5.373G	12	5.484G
13	5.310G	14	5.542G	15	5.672G	16	5.528G
17	5.497G	18	5.495G	19	5.550G	20	5.538G
21	5.312G	22	5.356G	23	5.252G	24	5.496G
25	5.547G	26	5.281G	27	5.316G	28	5.476G
29	5.663G	30	5.501G	31	5.577G	32	5.588G
33	5.697G	34	5.443G	35	5.539G	36	5.633G
37	5.452G	38	5.491G	39	5.724G	40	5.334G
41	5.536G	42	5.286G	43	5.352G	44	5.395G
45	5.703G	46	5.292G	47	5.455G	48	5.433G
49	5.519G	50	5.581G	51	5.250G	52	5.378G
53	5.275G	54	5.691G	55	5.349G	56	5.448G
57	5.464G	58	5.287G	59	5.429G	60	5.269G
61	5.540G	62	5.545G	63	5.431G	64	5.693G
65	5.660G	66	5.637G	67	5.676G	68	5.345G
69	5.571G	70	5.511G	71	5.522G	72	5.656G
73	5.408G	74	5.718G	75	5.382G	76	5.706G
77	5.365G	78	5.270G	79	5.351G	80	5.708G
81	5.628G	82	5.602G	83	5.644G	84	5.627G
85	5.280G	86	5.679G	87	5.472G	88	5.704G
89	5.392G	90	5.263G	91	5.591G	92	5.419G
93	5.309G	94	5.457G	95	5.368G	96	5.506G
97	5.535G	98	5.593G	99	5.468G	100	5.655G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.276G	2	5.631G	3	5.454G	4	5.643G
5	5.588G	6	5.589G	7	5.489G	8	5.256G
9	5.374G	10	5.671G	11	5.364G	12	5.617G
13	5.353G	14	5.372G	15	5.298G	16	5.615G
17	5.640G	18	5.687G	19	5.378G	20	5.524G
21	5.614G	22	5.563G	23	5.305G	24	5.344G
25	5.483G	26	5.577G	27	5.686G	28	5.341G
29	5.409G	30	5.440G	31	5.444G	32	5.278G
33	5.400G	34	5.601G	35	5.257G	36	5.612G
37	5.406G	38	5.619G	39	5.603G	40	5.513G
41	5.561G	42	5.419G	43	5.597G	44	5.260G
45	5.542G	46	5.340G	47	5.571G	48	5.352G
49	5.307G	50	5.376G	51	5.311G	52	5.472G
53	5.403G	54	5.646G	55	5.451G	56	5.473G
57	5.505G	58	5.516G	59	5.625G	60	5.647G
61	5.618G	62	5.659G	63	5.460G	64	5.525G
65	5.404G	66	5.585G	67	5.706G	68	5.653G
69	5.480G	70	5.510G	71	5.535G	72	5.694G
73	5.635G	74	5.538G	75	5.654G	76	5.292G
77	5.331G	78	5.661G	79	5.720G	80	5.530G
81	5.380G	82	5.417G	83	5.363G	84	5.584G
85	5.328G	86	5.294G	87	5.254G	88	5.396G
89	5.463G	90	5.602G	91	5.501G	92	5.689G
93	5.264G	94	5.271G	95	5.509G	96	5.277G
97	5.427G	98	5.471G	99	5.469G	100	5.711G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.405G	2	5.385G	3	5.426G	4	5.585G
5	5.384G	6	5.457G	7	5.681G	8	5.613G
9	5.439G	10	5.649G	11	5.293G	12	5.721G
13	5.647G	14	5.607G	15	5.298G	16	5.587G
17	5.283G	18	5.436G	19	5.393G	20	5.332G
21	5.498G	22	5.682G	23	5.321G	24	5.637G
25	5.671G	26	5.466G	27	5.396G	28	5.456G
29	5.499G	30	5.527G	31	5.505G	32	5.629G
33	5.565G	34	5.264G	35	5.361G	36	5.621G
37	5.590G	38	5.678G	39	5.520G	40	5.714G
41	5.468G	42	5.347G	43	5.524G	44	5.421G
45	5.446G	46	5.327G	47	5.635G	48	5.701G
49	5.263G	50	5.551G	51	5.443G	52	5.483G
53	5.406G	54	5.694G	55	5.576G	56	5.343G
57	5.482G	58	5.618G	59	5.336G	60	5.533G
61	5.370G	62	5.416G	63	5.277G	64	5.644G
65	5.549G	66	5.387G	67	5.377G	68	5.552G
69	5.526G	70	5.724G	71	5.390G	72	5.522G
73	5.467G	74	5.362G	75	5.265G	76	5.410G
77	5.556G	78	5.415G	79	5.319G	80	5.509G
81	5.356G	82	5.582G	83	5.567G	84	5.622G
85	5.609G	86	5.687G	87	5.722G	88	5.584G
89	5.523G	90	5.554G	91	5.346G	92	5.317G
93	5.322G	94	5.580G	95	5.708G	96	5.592G
97	5.254G	98	5.470G	99	5.411G	100	5.602G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.259G	2	5.675G	3	5.312G	4	5.467G
5	5.541G	6	5.683G	7	5.287G	8	5.261G
9	5.466G	10	5.403G	11	5.410G	12	5.435G
13	5.293G	14	5.419G	15	5.336G	16	5.257G
17	5.258G	18	5.514G	19	5.666G	20	5.550G
21	5.315G	22	5.614G	23	5.415G	24	5.374G
25	5.557G	26	5.357G	27	5.384G	28	5.612G
29	5.563G	30	5.465G	31	5.456G	32	5.446G
33	5.452G	34	5.698G	35	5.498G	36	5.667G
37	5.648G	38	5.276G	39	5.428G	40	5.356G
41	5.443G	42	5.594G	43	5.365G	44	5.300G
45	5.332G	46	5.480G	47	5.691G	48	5.700G
49	5.711G	50	5.269G	51	5.565G	52	5.256G
53	5.592G	54	5.469G	55	5.651G	56	5.252G
57	5.598G	58	5.599G	59	5.618G	60	5.719G
61	5.679G	62	5.253G	63	5.611G	64	5.633G
65	5.354G	66	5.343G	67	5.528G	68	5.334G
69	5.370G	70	5.640G	71	5.288G	72	5.656G
73	5.571G	74	5.440G	75	5.597G	76	5.709G
77	5.617G	78	5.670G	79	5.704G	80	5.716G
81	5.438G	82	5.487G	83	5.645G	84	5.275G
85	5.580G	86	5.397G	87	5.717G	88	5.686G
89	5.495G	90	5.662G	91	5.715G	92	5.273G
93	5.659G	94	5.364G	95	5.380G	96	5.582G
97	5.479G	98	5.266G	99	5.534G	100	5.372G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.568G	2	5.334G	3	5.459G	4	5.465G
5	5.706G	6	5.480G	7	5.720G	8	5.666G
9	5.677G	10	5.427G	11	5.389G	12	5.606G
13	5.514G	14	5.284G	15	5.318G	16	5.703G
17	5.527G	18	5.656G	19	5.391G	20	5.491G
21	5.571G	22	5.440G	23	5.405G	24	5.410G
25	5.662G	26	5.661G	27	5.375G	28	5.419G
29	5.583G	30	5.392G	31	5.260G	32	5.472G
33	5.326G	34	5.333G	35	5.343G	36	5.272G
37	5.617G	38	5.287G	39	5.561G	40	5.539G
41	5.411G	42	5.668G	43	5.417G	44	5.632G
45	5.310G	46	5.420G	47	5.509G	48	5.289G
49	5.667G	50	5.547G	51	5.496G	52	5.370G
53	5.596G	54	5.252G	55	5.489G	56	5.609G
57	5.506G	58	5.526G	59	5.694G	60	5.478G
61	5.646G	62	5.261G	63	5.270G	64	5.470G
65	5.645G	66	5.367G	67	5.502G	68	5.516G
69	5.486G	70	5.429G	71	5.556G	72	5.601G
73	5.651G	74	5.409G	75	5.265G	76	5.394G
77	5.407G	78	5.366G	79	5.528G	80	5.682G
81	5.588G	82	5.676G	83	5.701G	84	5.494G
85	5.503G	86	5.444G	87	5.369G	88	5.572G
89	5.627G	90	5.618G	91	5.456G	92	5.579G
93	5.355G	94	5.700G	95	5.288G	96	5.532G
97	5.380G	98	5.421G	99	5.549G	100	5.280G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.379G	2	5.261G	3	5.330G	4	5.560G
5	5.541G	6	5.549G	7	5.592G	8	5.281G
9	5.423G	10	5.286G	11	5.327G	12	5.516G
13	5.355G	14	5.664G	15	5.685G	16	5.323G
17	5.279G	18	5.641G	19	5.345G	20	5.484G
21	5.451G	22	5.686G	23	5.706G	24	5.332G
25	5.551G	26	5.319G	27	5.409G	28	5.635G
29	5.598G	30	5.444G	31	5.513G	32	5.467G
33	5.397G	34	5.629G	35	5.523G	36	5.390G
37	5.694G	38	5.628G	39	5.292G	40	5.386G
41	5.651G	42	5.276G	43	5.471G	44	5.412G
45	5.625G	46	5.302G	47	5.259G	48	5.526G
49	5.612G	50	5.499G	51	5.393G	52	5.575G
53	5.530G	54	5.256G	55	5.436G	56	5.711G
57	5.270G	58	5.582G	59	5.520G	60	5.462G
61	5.657G	62	5.301G	63	5.272G	64	5.326G
65	5.305G	66	5.441G	67	5.413G	68	5.430G
69	5.537G	70	5.461G	71	5.565G	72	5.677G
73	5.501G	74	5.341G	75	5.605G	76	5.349G
77	5.274G	78	5.649G	79	5.448G	80	5.321G
81	5.415G	82	5.363G	83	5.297G	84	5.531G
85	5.400G	86	5.282G	87	5.370G	88	5.475G
89	5.712G	90	5.464G	91	5.650G	92	5.373G
93	5.291G	94	5.517G	95	5.399G	96	5.254G
97	5.574G	98	5.257G	99	5.378G	100	5.621G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.670G	2	5.325G	3	5.616G	4	5.652G
5	5.304G	6	5.421G	7	5.262G	8	5.459G
9	5.621G	10	5.440G	11	5.662G	12	5.413G
13	5.660G	14	5.684G	15	5.697G	16	5.388G
17	5.524G	18	5.588G	19	5.320G	20	5.721G
21	5.363G	22	5.360G	23	5.293G	24	5.497G
25	5.438G	26	5.462G	27	5.613G	28	5.451G
29	5.607G	30	5.264G	31	5.572G	32	5.641G
33	5.668G	34	5.458G	35	5.509G	36	5.637G
37	5.488G	38	5.428G	39	5.685G	40	5.514G
41	5.633G	42	5.688G	43	5.267G	44	5.460G
45	5.715G	46	5.400G	47	5.649G	48	5.394G
49	5.590G	50	5.445G	51	5.307G	52	5.520G
53	5.432G	54	5.382G	55	5.427G	56	5.464G
57	5.436G	58	5.561G	59	5.550G	60	5.327G
61	5.680G	62	5.335G	63	5.343G	64	5.516G
65	5.392G	66	5.628G	67	5.539G	68	5.694G
69	5.656G	70	5.420G	71	5.655G	72	5.306G
73	5.336G	74	5.582G	75	5.689G	76	5.425G
77	5.646G	78	5.266G	79	5.627G	80	5.261G
81	5.557G	82	5.337G	83	5.345G	84	5.319G
85	5.352G	86	5.501G	87	5.724G	88	5.568G
89	5.527G	90	5.257G	91	5.605G	92	5.401G
93	5.251G	94	5.439G	95	5.702G	96	5.500G
97	5.642G	98	5.364G	99	5.374G	100	5.430G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.691G	2	5.724G	3	5.565G	4	5.414G
5	5.567G	6	5.546G	7	5.638G	8	5.468G
9	5.461G	10	5.329G	11	5.654G	12	5.368G
13	5.250G	14	5.345G	15	5.504G	16	5.396G
17	5.566G	18	5.625G	19	5.267G	20	5.348G
21	5.682G	22	5.400G	23	5.406G	24	5.628G
25	5.648G	26	5.387G	27	5.392G	28	5.436G
29	5.262G	30	5.539G	31	5.311G	32	5.612G
33	5.620G	34	5.264G	35	5.626G	36	5.579G
37	5.697G	38	5.483G	39	5.595G	40	5.280G
41	5.462G	42	5.512G	43	5.463G	44	5.428G
45	5.465G	46	5.451G	47	5.686G	48	5.485G
49	5.386G	50	5.303G	51	5.503G	52	5.696G
53	5.272G	54	5.706G	55	5.534G	56	5.466G
57	5.705G	58	5.495G	59	5.477G	60	5.649G
61	5.601G	62	5.335G	63	5.300G	64	5.277G
65	5.494G	66	5.713G	67	5.271G	68	5.558G
69	5.523G	70	5.687G	71	5.330G	72	5.435G
73	5.688G	74	5.391G	75	5.591G	76	5.723G
77	5.350G	78	5.511G	79	5.472G	80	5.454G
81	5.582G	82	5.529G	83	5.611G	84	5.586G
85	5.514G	86	5.338G	87	5.359G	88	5.685G
89	5.266G	90	5.604G	91	5.420G	92	5.588G
93	5.369G	94	5.517G	95	5.422G	96	5.615G
97	5.672G	98	5.346G	99	5.452G	100	5.702G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.299G	2	5.697G	3	5.696G	4	5.685G
5	5.656G	6	5.543G	7	5.294G	8	5.564G
9	5.635G	10	5.513G	11	5.469G	12	5.575G
13	5.562G	14	5.713G	15	5.273G	16	5.549G
17	5.599G	18	5.376G	19	5.422G	20	5.257G
21	5.489G	22	5.607G	23	5.287G	24	5.356G
25	5.374G	26	5.592G	27	5.373G	28	5.427G
29	5.634G	30	5.478G	31	5.250G	32	5.591G
33	5.392G	34	5.432G	35	5.512G	36	5.465G
37	5.584G	38	5.517G	39	5.439G	40	5.553G
41	5.281G	42	5.388G	43	5.275G	44	5.529G
45	5.688G	46	5.602G	47	5.414G	48	5.720G
49	5.482G	50	5.687G	51	5.610G	52	5.304G
53	5.381G	54	5.723G	55	5.663G	56	5.329G
57	5.293G	58	5.682G	59	5.707G	60	5.383G
61	5.651G	62	5.582G	63	5.265G	64	5.328G
65	5.391G	66	5.496G	67	5.636G	68	5.451G
69	5.538G	70	5.386G	71	5.350G	72	5.678G
73	5.612G	74	5.539G	75	5.701G	76	5.362G
77	5.626G	78	5.578G	79	5.405G	80	5.606G
81	5.658G	82	5.279G	83	5.382G	84	5.662G
85	5.665G	86	5.580G	87	5.428G	88	5.330G
89	5.486G	90	5.569G	91	5.349G	92	5.577G
93	5.311G	94	5.367G	95	5.409G	96	5.404G
97	5.459G	98	5.638G	99	5.365G	100	5.258G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT20_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.701G	2	5.320G	3	5.561G	4	5.670G
5	5.711G	6	5.442G	7	5.351G	8	5.388G
9	5.613G	10	5.698G	11	5.673G	12	5.630G
13	5.369G	14	5.610G	15	5.469G	16	5.482G
17	5.652G	18	5.697G	19	5.631G	20	5.660G
21	5.585G	22	5.680G	23	5.250G	24	5.466G
25	5.685G	26	5.567G	27	5.465G	28	5.624G
29	5.717G	30	5.337G	31	5.709G	32	5.661G
33	5.619G	34	5.503G	35	5.602G	36	5.638G
37	5.272G	38	5.397G	39	5.302G	40	5.622G
41	5.720G	42	5.513G	43	5.633G	44	5.426G
45	5.562G	46	5.474G	47	5.500G	48	5.267G
49	5.437G	50	5.471G	51	5.436G	52	5.382G
53	5.349G	54	5.678G	55	5.335G	56	5.589G
57	5.696G	58	5.700G	59	5.356G	60	5.299G
61	5.339G	62	5.372G	63	5.541G	64	5.315G
65	5.425G	66	5.404G	67	5.312G	68	5.311G
69	5.494G	70	5.595G	71	5.327G	72	5.457G
73	5.326G	74	5.345G	75	5.658G	76	5.386G
77	5.515G	78	5.558G	79	5.611G	80	5.399G
81	5.468G	82	5.479G	83	5.393G	84	5.675G
85	5.679G	86	5.308G	87	5.712G	88	5.385G
89	5.310G	90	5.447G	91	5.416G	92	5.634G
93	5.255G	94	5.458G	95	5.705G	96	5.575G
97	5.297G	98	5.674G	99	5.715G	100	5.288G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.472G	2	5.273G	3	5.350G	4	5.525G
5	5.520G	6	5.512G	7	5.503G	8	5.335G
9	5.604G	10	5.640G	11	5.599G	12	5.651G
13	5.495G	14	5.522G	15	5.345G	16	5.331G
17	5.661G	18	5.374G	19	5.403G	20	5.479G
21	5.694G	22	5.380G	23	5.480G	24	5.602G
25	5.509G	26	5.316G	27	5.718G	28	5.377G
29	5.363G	30	5.460G	31	5.398G	32	5.314G
33	5.459G	34	5.252G	35	5.342G	36	5.668G
37	5.650G	38	5.585G	39	5.510G	40	5.293G
41	5.618G	42	5.300G	43	5.297G	44	5.418G
45	5.315G	46	5.720G	47	5.421G	48	5.490G
49	5.385G	50	5.458G	51	5.511G	52	5.539G
53	5.395G	54	5.684G	55	5.542G	56	5.389G
57	5.321G	58	5.348G	59	5.674G	60	5.382G
61	5.301G	62	5.438G	63	5.652G	64	5.603G
65	5.258G	66	5.526G	67	5.306G	68	5.379G
69	5.610G	70	5.272G	71	5.309G	72	5.715G
73	5.519G	74	5.691G	75	5.683G	76	5.719G
77	5.317G	78	5.710G	79	5.695G	80	5.706G
81	5.292G	82	5.629G	83	5.352G	84	5.432G
85	5.540G	86	5.349G	87	5.638G	88	5.577G
89	5.250G	90	5.634G	91	5.669G	92	5.366G
93	5.592G	94	5.442G	95	5.721G	96	5.400G
97	5.271G	98	5.660G	99	5.713G	100	5.570G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.383G	2	5.570G	3	5.364G	4	5.328G
5	5.553G	6	5.459G	7	5.342G	8	5.419G
9	5.618G	10	5.598G	11	5.436G	12	5.335G
13	5.370G	14	5.390G	15	5.561G	16	5.437G
17	5.600G	18	5.628G	19	5.507G	20	5.629G
21	5.339G	22	5.386G	23	5.320G	24	5.302G
25	5.494G	26	5.717G	27	5.367G	28	5.268G
29	5.413G	30	5.395G	31	5.388G	32	5.595G
33	5.312G	34	5.525G	35	5.489G	36	5.610G
37	5.433G	38	5.620G	39	5.608G	40	5.362G
41	5.273G	42	5.409G	43	5.567G	44	5.643G
45	5.688G	46	5.346G	47	5.399G	48	5.453G
49	5.295G	50	5.445G	51	5.331G	52	5.577G
53	5.659G	54	5.410G	55	5.670G	56	5.319G
57	5.316G	58	5.363G	59	5.377G	60	5.470G
61	5.520G	62	5.592G	63	5.582G	64	5.329G
65	5.566G	66	5.392G	67	5.623G	68	5.558G
69	5.601G	70	5.516G	71	5.695G	72	5.718G
73	5.702G	74	5.635G	75	5.257G	76	5.599G
77	5.665G	78	5.560G	79	5.552G	80	5.338G
81	5.666G	82	5.487G	83	5.467G	84	5.703G
85	5.432G	86	5.462G	87	5.511G	88	5.471G
89	5.463G	90	5.457G	91	5.488G	92	5.284G
93	5.289G	94	5.705G	95	5.706G	96	5.484G
97	5.723G	98	5.681G	99	5.422G	100	5.281G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.423G	2	5.702G	3	5.655G	4	5.589G
5	5.520G	6	5.349G	7	5.497G	8	5.630G
9	5.677G	10	5.383G	11	5.561G	12	5.288G
13	5.706G	14	5.397G	15	5.721G	16	5.416G
17	5.594G	18	5.614G	19	5.475G	20	5.422G
21	5.544G	22	5.326G	23	5.263G	24	5.564G
25	5.313G	26	5.323G	27	5.488G	28	5.558G
29	5.460G	30	5.478G	31	5.409G	32	5.519G
33	5.446G	34	5.503G	35	5.357G	36	5.344G
37	5.291G	38	5.704G	39	5.525G	40	5.465G
41	5.627G	42	5.442G	43	5.415G	44	5.716G
45	5.393G	46	5.482G	47	5.432G	48	5.619G
49	5.438G	50	5.270G	51	5.293G	52	5.505G
53	5.302G	54	5.710G	55	5.387G	56	5.634G
57	5.476G	58	5.635G	59	5.448G	60	5.284G
61	5.622G	62	5.456G	63	5.296G	64	5.642G
65	5.300G	66	5.339G	67	5.504G	68	5.651G
69	5.268G	70	5.611G	71	5.509G	72	5.533G
73	5.452G	74	5.477G	75	5.616G	76	5.425G
77	5.295G	78	5.371G	79	5.462G	80	5.464G
81	5.378G	82	5.487G	83	5.715G	84	5.517G
85	5.279G	86	5.382G	87	5.550G	88	5.569G
89	5.401G	90	5.499G	91	5.637G	92	5.508G
93	5.648G	94	5.331G	95	5.290G	96	5.591G
97	5.553G	98	5.275G	99	5.253G	100	5.699G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.715G	2	5.395G	3	5.601G	4	5.294G
5	5.256G	6	5.381G	7	5.505G	8	5.557G
9	5.466G	10	5.414G	11	5.376G	12	5.525G
13	5.440G	14	5.400G	15	5.385G	16	5.549G
17	5.483G	18	5.539G	19	5.698G	20	5.618G
21	5.663G	22	5.474G	23	5.336G	24	5.419G
25	5.427G	26	5.255G	27	5.254G	28	5.383G
29	5.568G	30	5.456G	31	5.534G	32	5.479G
33	5.617G	34	5.571G	35	5.531G	36	5.540G
37	5.257G	38	5.647G	39	5.265G	40	5.589G
41	5.307G	42	5.268G	43	5.685G	44	5.405G
45	5.620G	46	5.304G	47	5.275G	48	5.473G
49	5.398G	50	5.705G	51	5.543G	52	5.607G
53	5.476G	54	5.679G	55	5.602G	56	5.575G
57	5.299G	58	5.333G	59	5.453G	60	5.509G
61	5.413G	62	5.671G	63	5.496G	64	5.693G
65	5.533G	66	5.387G	67	5.423G	68	5.258G
69	5.310G	70	5.371G	71	5.520G	72	5.610G
73	5.559G	74	5.619G	75	5.513G	76	5.717G
77	5.500G	78	5.327G	79	5.681G	80	5.678G
81	5.444G	82	5.319G	83	5.271G	84	5.622G
85	5.648G	86	5.288G	87	5.553G	88	5.287G
89	5.320G	90	5.641G	91	5.450G	92	5.437G
93	5.624G	94	5.292G	95	5.672G	96	5.690G
97	5.638G	98	5.408G	99	5.491G	100	5.585G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.545G	2	5.716G	3	5.432G	4	5.561G
5	5.341G	6	5.448G	7	5.370G	8	5.306G
9	5.581G	10	5.365G	11	5.635G	12	5.251G
13	5.680G	14	5.636G	15	5.458G	16	5.708G
17	5.614G	18	5.482G	19	5.544G	20	5.356G
21	5.669G	22	5.350G	23	5.502G	24	5.608G
25	5.541G	26	5.286G	27	5.404G	28	5.281G
29	5.483G	30	5.550G	31	5.566G	32	5.557G
33	5.568G	34	5.514G	35	5.603G	36	5.293G
37	5.410G	38	5.377G	39	5.454G	40	5.344G
41	5.259G	42	5.323G	43	5.302G	44	5.426G
45	5.595G	46	5.618G	47	5.612G	48	5.361G
49	5.409G	50	5.375G	51	5.554G	52	5.628G
53	5.683G	54	5.703G	55	5.534G	56	5.665G
57	5.444G	58	5.504G	59	5.490G	60	5.570G
61	5.707G	62	5.303G	63	5.313G	64	5.339G
65	5.382G	66	5.265G	67	5.585G	68	5.275G
69	5.436G	70	5.283G	71	5.348G	72	5.599G
73	5.445G	74	5.378G	75	5.383G	76	5.572G
77	5.269G	78	5.398G	79	5.360G	80	5.525G
81	5.505G	82	5.602G	83	5.479G	84	5.598G
85	5.402G	86	5.297G	87	5.553G	88	5.565G
89	5.510G	90	5.684G	91	5.491G	92	5.692G
93	5.345G	94	5.682G	95	5.632G	96	5.620G
97	5.460G	98	5.657G	99	5.484G	100	5.457G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.495G	2	5.706G	3	5.619G	4	5.658G
5	5.555G	6	5.473G	7	5.389G	8	5.296G
9	5.362G	10	5.603G	11	5.404G	12	5.535G
13	5.343G	14	5.506G	15	5.414G	16	5.720G
17	5.583G	18	5.661G	19	5.518G	20	5.332G
21	5.451G	22	5.534G	23	5.271G	24	5.587G
25	5.595G	26	5.639G	27	5.377G	28	5.709G
29	5.690G	30	5.290G	31	5.549G	32	5.546G
33	5.385G	34	5.313G	35	5.409G	36	5.432G
37	5.403G	38	5.589G	39	5.638G	40	5.636G
41	5.441G	42	5.677G	43	5.533G	44	5.585G
45	5.412G	46	5.318G	47	5.344G	48	5.508G
49	5.717G	50	5.272G	51	5.331G	52	5.319G
53	5.676G	54	5.261G	55	5.465G	56	5.593G
57	5.442G	58	5.571G	59	5.270G	60	5.498G
61	5.413G	62	5.541G	63	5.566G	64	5.550G
65	5.396G	66	5.444G	67	5.687G	68	5.398G
69	5.509G	70	5.553G	71	5.542G	72	5.544G
73	5.364G	74	5.531G	75	5.345G	76	5.453G
77	5.618G	78	5.299G	79	5.689G	80	5.303G
81	5.320G	82	5.632G	83	5.511G	84	5.328G
85	5.592G	86	5.289G	87	5.582G	88	5.660G
89	5.500G	90	5.475G	91	5.467G	92	5.588G
93	5.711G	94	5.400G	95	5.662G	96	5.381G
97	5.368G	98	5.584G	99	5.633G	100	5.590G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.391G	2	5.437G	3	5.630G	4	5.376G
5	5.289G	6	5.480G	7	5.275G	8	5.712G
9	5.672G	10	5.467G	11	5.316G	12	5.309G
13	5.693G	14	5.453G	15	5.511G	16	5.333G
17	5.471G	18	5.586G	19	5.624G	20	5.646G
21	5.428G	22	5.598G	23	5.431G	24	5.542G
25	5.683G	26	5.439G	27	5.251G	28	5.373G
29	5.637G	30	5.587G	31	5.476G	32	5.649G
33	5.686G	34	5.619G	35	5.498G	36	5.631G
37	5.600G	38	5.462G	39	5.263G	40	5.436G
41	5.501G	42	5.277G	43	5.627G	44	5.430G
45	5.641G	46	5.298G	47	5.459G	48	5.597G
49	5.663G	50	5.723G	51	5.311G	52	5.274G
53	5.645G	54	5.673G	55	5.529G	56	5.540G
57	5.360G	58	5.654G	59	5.398G	60	5.635G
61	5.713G	62	5.336G	63	5.276G	64	5.448G
65	5.506G	66	5.321G	67	5.678G	68	5.549G
69	5.497G	70	5.446G	71	5.685G	72	5.463G
73	5.250G	74	5.513G	75	5.606G	76	5.310G
77	5.642G	78	5.571G	79	5.260G	80	5.604G
81	5.536G	82	5.406G	83	5.416G	84	5.681G
85	5.666G	86	5.557G	87	5.659G	88	5.409G
89	5.474G	90	5.535G	91	5.680G	92	5.615G
93	5.362G	94	5.432G	95	5.703G	96	5.390G
97	5.435G	98	5.671G	99	5.706G	100	5.674G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.508G	2	5.628G	3	5.702G	4	5.324G
5	5.394G	6	5.386G	7	5.402G	8	5.545G
9	5.519G	10	5.382G	11	5.407G	12	5.670G
13	5.395G	14	5.375G	15	5.531G	16	5.715G
17	5.344G	18	5.255G	19	5.436G	20	5.544G
21	5.511G	22	5.535G	23	5.459G	24	5.706G
25	5.598G	26	5.476G	27	5.334G	28	5.347G
29	5.473G	30	5.336G	31	5.619G	32	5.512G
33	5.412G	34	5.576G	35	5.503G	36	5.343G
37	5.299G	38	5.639G	39	5.400G	40	5.509G
41	5.454G	42	5.577G	43	5.593G	44	5.461G
45	5.457G	46	5.491G	47	5.351G	48	5.264G
49	5.654G	50	5.262G	51	5.668G	52	5.254G
53	5.305G	54	5.510G	55	5.251G	56	5.413G
57	5.582G	58	5.306G	59	5.626G	60	5.401G
61	5.471G	62	5.318G	63	5.250G	64	5.506G
65	5.447G	66	5.276G	67	5.497G	68	5.404G
69	5.691G	70	5.470G	71	5.569G	72	5.295G
73	5.419G	74	5.530G	75	5.356G	76	5.632G
77	5.293G	78	5.487G	79	5.651G	80	5.594G
81	5.353G	82	5.622G	83	5.540G	84	5.481G
85	5.463G	86	5.527G	87	5.426G	88	5.611G
89	5.298G	90	5.319G	91	5.501G	92	5.698G
93	5.679G	94	5.657G	95	5.642G	96	5.464G
97	5.516G	98	5.494G	99	5.434G	100	5.560G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.294G	2	5.456G	3	5.608G	4	5.441G
5	5.554G	6	5.420G	7	5.576G	8	5.556G
9	5.551G	10	5.657G	11	5.286G	12	5.650G
13	5.462G	14	5.557G	15	5.714G	16	5.437G
17	5.565G	18	5.718G	19	5.273G	20	5.602G
21	5.548G	22	5.724G	23	5.624G	24	5.631G
25	5.374G	26	5.609G	27	5.314G	28	5.649G
29	5.341G	30	5.496G	31	5.295G	32	5.671G
33	5.585G	34	5.390G	35	5.674G	36	5.535G
37	5.433G	38	5.501G	39	5.263G	40	5.675G
41	5.694G	42	5.392G	43	5.655G	44	5.581G
45	5.389G	46	5.376G	47	5.571G	48	5.334G
49	5.723G	50	5.322G	51	5.375G	52	5.417G
53	5.504G	54	5.335G	55	5.298G	56	5.688G
57	5.327G	58	5.409G	59	5.541G	60	5.641G
61	5.722G	62	5.373G	63	5.473G	64	5.407G
65	5.669G	66	5.468G	67	5.667G	68	5.442G
69	5.514G	70	5.645G	71	5.509G	72	5.530G
73	5.545G	74	5.713G	75	5.670G	76	5.534G
77	5.656G	78	5.297G	79	5.342G	80	5.484G
81	5.450G	82	5.461G	83	5.596G	84	5.358G
85	5.366G	86	5.677G	87	5.288G	88	5.653G
89	5.428G	90	5.689G	91	5.479G	92	5.329G
93	5.500G	94	5.569G	95	5.605G	96	5.526G
97	5.362G	98	5.370G	99	5.636G	100	5.658G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.340G	2	5.571G	3	5.578G	4	5.477G
5	5.458G	6	5.676G	7	5.638G	8	5.362G
9	5.579G	10	5.702G	11	5.558G	12	5.656G
13	5.577G	14	5.377G	15	5.250G	16	5.611G
17	5.563G	18	5.486G	19	5.419G	20	5.514G
21	5.255G	22	5.554G	23	5.724G	24	5.698G
25	5.443G	26	5.501G	27	5.617G	28	5.349G
29	5.708G	30	5.280G	31	5.303G	32	5.378G
33	5.641G	34	5.704G	35	5.713G	36	5.568G
37	5.463G	38	5.275G	39	5.542G	40	5.295G
41	5.317G	42	5.503G	43	5.446G	44	5.678G
45	5.544G	46	5.341G	47	5.365G	48	5.552G
49	5.259G	50	5.271G	51	5.426G	52	5.667G
53	5.550G	54	5.664G	55	5.430G	56	5.653G
57	5.627G	58	5.504G	59	5.516G	60	5.282G
61	5.619G	62	5.487G	63	5.351G	64	5.310G
65	5.720G	66	5.258G	67	5.675G	68	5.421G
69	5.699G	70	5.457G	71	5.609G	72	5.506G
73	5.549G	74	5.420G	75	5.649G	76	5.490G
77	5.437G	78	5.262G	79	5.359G	80	5.701G
81	5.629G	82	5.700G	83	5.476G	84	5.626G
85	5.524G	86	5.593G	87	5.628G	88	5.382G
89	5.565G	90	5.312G	91	5.674G	92	5.428G
93	5.712G	94	5.344G	95	5.266G	96	5.510G
97	5.652G	98	5.610G	99	5.308G	100	5.276G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.458G	2	5.425G	3	5.521G	4	5.721G
5	5.397G	6	5.441G	7	5.339G	8	5.446G
9	5.548G	10	5.586G	11	5.342G	12	5.301G
13	5.717G	14	5.505G	15	5.604G	16	5.616G
17	5.490G	18	5.716G	19	5.684G	20	5.633G
21	5.337G	22	5.377G	23	5.424G	24	5.648G
25	5.637G	26	5.588G	27	5.542G	28	5.622G
29	5.318G	30	5.365G	31	5.316G	32	5.581G
33	5.691G	34	5.540G	35	5.346G	36	5.558G
37	5.719G	38	5.497G	39	5.576G	40	5.517G
41	5.607G	42	5.288G	43	5.414G	44	5.465G
45	5.665G	46	5.385G	47	5.394G	48	5.597G
49	5.634G	50	5.631G	51	5.336G	52	5.457G
53	5.507G	54	5.293G	55	5.422G	56	5.681G
57	5.361G	58	5.358G	59	5.568G	60	5.463G
61	5.343G	62	5.487G	63	5.453G	64	5.625G
65	5.535G	66	5.513G	67	5.383G	68	5.348G
69	5.322G	70	5.519G	71	5.473G	72	5.275G
73	5.709G	74	5.395G	75	5.444G	76	5.263G
77	5.430G	78	5.652G	79	5.610G	80	5.409G
81	5.515G	82	5.460G	83	5.596G	84	5.641G
85	5.274G	86	5.712G	87	5.448G	88	5.678G
89	5.608G	90	5.553G	91	5.256G	92	5.366G
93	5.405G	94	5.260G	95	5.518G	96	5.324G
97	5.667G	98	5.360G	99	5.647G	100	5.379G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.604G	2	5.696G	3	5.581G	4	5.514G
5	5.638G	6	5.279G	7	5.559G	8	5.695G
9	5.563G	10	5.480G	11	5.474G	12	5.288G
13	5.590G	14	5.425G	15	5.296G	16	5.618G
17	5.447G	18	5.295G	19	5.523G	20	5.721G
21	5.250G	22	5.487G	23	5.595G	24	5.494G
25	5.421G	26	5.322G	27	5.350G	28	5.556G
29	5.318G	30	5.691G	31	5.612G	32	5.473G
33	5.435G	34	5.653G	35	5.307G	36	5.327G
37	5.692G	38	5.552G	39	5.724G	40	5.686G
41	5.491G	42	5.375G	43	5.255G	44	5.592G
45	5.477G	46	5.665G	47	5.630G	48	5.676G
49	5.462G	50	5.671G	51	5.396G	52	5.669G
53	5.593G	54	5.384G	55	5.510G	56	5.414G
57	5.548G	58	5.521G	59	5.688G	60	5.624G
61	5.683G	62	5.321G	63	5.619G	64	5.338G
65	5.645G	66	5.654G	67	5.602G	68	5.427G
69	5.636G	70	5.500G	71	5.363G	72	5.566G
73	5.353G	74	5.529G	75	5.317G	76	5.558G
77	5.475G	78	5.405G	79	5.584G	80	5.513G
81	5.490G	82	5.301G	83	5.413G	84	5.365G
85	5.262G	86	5.271G	87	5.588G	88	5.668G
89	5.454G	90	5.564G	91	5.678G	92	5.303G
93	5.356G	94	5.554G	95	5.410G	96	5.253G
97	5.293G	98	5.269G	99	5.679G	100	5.551G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.284G	2	5.560G	3	5.398G	4	5.446G
5	5.321G	6	5.599G	7	5.670G	8	5.376G
9	5.628G	10	5.429G	11	5.367G	12	5.303G
13	5.551G	14	5.400G	15	5.371G	16	5.443G
17	5.476G	18	5.681G	19	5.515G	20	5.554G
21	5.274G	22	5.514G	23	5.585G	24	5.527G
25	5.470G	26	5.311G	27	5.329G	28	5.480G
29	5.417G	30	5.365G	31	5.683G	32	5.454G
33	5.449G	34	5.399G	35	5.489G	36	5.473G
37	5.433G	38	5.460G	39	5.634G	40	5.680G
41	5.549G	42	5.465G	43	5.535G	44	5.539G
45	5.573G	46	5.558G	47	5.627G	48	5.356G
49	5.663G	50	5.706G	51	5.377G	52	5.425G
53	5.302G	54	5.694G	55	5.359G	56	5.509G
57	5.724G	58	5.603G	59	5.479G	60	5.375G
61	5.436G	62	5.447G	63	5.640G	64	5.519G
65	5.522G	66	5.421G	67	5.580G	68	5.362G
69	5.636G	70	5.297G	71	5.611G	72	5.331G
73	5.469G	74	5.508G	75	5.320G	76	5.426G
77	5.615G	78	5.659G	79	5.542G	80	5.285G
81	5.552G	82	5.349G	83	5.305G	84	5.496G
85	5.499G	86	5.391G	87	5.453G	88	5.498G
89	5.389G	90	5.264G	91	5.273G	92	5.635G
93	5.666G	94	5.698G	95	5.259G	96	5.467G
97	5.355G	98	5.350G	99	5.536G	100	5.576G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.606G	2	5.438G	3	5.653G	4	5.665G
5	5.344G	6	5.447G	7	5.253G	8	5.417G
9	5.299G	10	5.355G	11	5.275G	12	5.465G
13	5.441G	14	5.393G	15	5.654G	16	5.378G
17	5.298G	18	5.302G	19	5.615G	20	5.704G
21	5.527G	22	5.361G	23	5.323G	24	5.541G
25	5.267G	26	5.334G	27	5.357G	28	5.489G
29	5.332G	30	5.609G	31	5.427G	32	5.639G
33	5.595G	34	5.356G	35	5.724G	36	5.530G
37	5.644G	38	5.266G	39	5.683G	40	5.457G
41	5.557G	42	5.276G	43	5.634G	44	5.619G
45	5.470G	46	5.608G	47	5.550G	48	5.625G
49	5.304G	50	5.252G	51	5.388G	52	5.464G
53	5.411G	54	5.370G	55	5.531G	56	5.283G
57	5.697G	58	5.342G	59	5.406G	60	5.397G
61	5.329G	62	5.674G	63	5.472G	64	5.482G
65	5.293G	66	5.320G	67	5.614G	68	5.656G
69	5.261G	70	5.404G	71	5.713G	72	5.456G
73	5.588G	74	5.262G	75	5.402G	76	5.722G
77	5.487G	78	5.471G	79	5.288G	80	5.373G
81	5.290G	82	5.431G	83	5.565G	84	5.363G
85	5.586G	86	5.443G	87	5.549G	88	5.390G
89	5.640G	90	5.564G	91	5.672G	92	5.685G
93	5.315G	94	5.287G	95	5.699G	96	5.371G
97	5.289G	98	5.372G	99	5.479G	100	5.414G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.395G	2	5.383G	3	5.490G	4	5.503G
5	5.425G	6	5.325G	7	5.517G	8	5.352G
9	5.533G	10	5.409G	11	5.705G	12	5.315G
13	5.466G	14	5.445G	15	5.318G	16	5.578G
17	5.269G	18	5.370G	19	5.660G	20	5.632G
21	5.615G	22	5.413G	23	5.320G	24	5.382G
25	5.290G	26	5.384G	27	5.479G	28	5.612G
29	5.420G	30	5.685G	31	5.337G	32	5.677G
33	5.275G	34	5.485G	35	5.357G	36	5.327G
37	5.385G	38	5.353G	39	5.397G	40	5.410G
41	5.387G	42	5.699G	43	5.590G	44	5.429G
45	5.434G	46	5.298G	47	5.404G	48	5.540G
49	5.683G	50	5.680G	51	5.574G	52	5.721G
53	5.451G	54	5.658G	55	5.372G	56	5.559G
57	5.338G	58	5.400G	59	5.276G	60	5.643G
61	5.594G	62	5.274G	63	5.570G	64	5.365G
65	5.498G	66	5.360G	67	5.547G	68	5.392G
69	5.354G	70	5.656G	71	5.614G	72	5.307G
73	5.551G	74	5.675G	75	5.299G	76	5.569G
77	5.398G	78	5.605G	79	5.302G	80	5.306G
81	5.379G	82	5.371G	83	5.669G	84	5.719G
85	5.530G	86	5.561G	87	5.558G	88	5.634G
89	5.411G	90	5.525G	91	5.362G	92	5.459G
93	5.440G	94	5.441G	95	5.476G	96	5.454G
97	5.277G	98	5.443G	99	5.369G	100	5.375G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.666G	2	5.289G	3	5.557G	4	5.619G
5	5.717G	6	5.350G	7	5.268G	8	5.685G
9	5.511G	10	5.544G	11	5.591G	12	5.646G
13	5.269G	14	5.514G	15	5.473G	16	5.362G
17	5.509G	18	5.586G	19	5.423G	20	5.295G
21	5.695G	22	5.292G	23	5.696G	24	5.371G
25	5.444G	26	5.543G	27	5.418G	28	5.712G
29	5.498G	30	5.711G	31	5.391G	32	5.532G
33	5.321G	34	5.674G	35	5.720G	36	5.421G
37	5.380G	38	5.448G	39	5.355G	40	5.502G
41	5.607G	42	5.572G	43	5.356G	44	5.466G
45	5.383G	46	5.697G	47	5.442G	48	5.528G
49	5.529G	50	5.317G	51	5.342G	52	5.341G
53	5.469G	54	5.688G	55	5.431G	56	5.254G
57	5.624G	58	5.397G	59	5.523G	60	5.614G
61	5.409G	62	5.286G	63	5.629G	64	5.384G
65	5.709G	66	5.581G	67	5.352G	68	5.500G
69	5.534G	70	5.654G	71	5.552G	72	5.669G
73	5.590G	74	5.484G	75	5.700G	76	5.596G
77	5.285G	78	5.283G	79	5.373G	80	5.410G
81	5.533G	82	5.633G	83	5.542G	84	5.323G
85	5.318G	86	5.575G	87	5.414G	88	5.698G
89	5.324G	90	5.636G	91	5.402G	92	5.563G
93	5.690G	94	5.505G	95	5.347G	96	5.430G
97	5.658G	98	5.420G	99	5.673G	100	5.273G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.503G	2	5.405G	3	5.501G	4	5.331G
5	5.505G	6	5.724G	7	5.282G	8	5.328G
9	5.289G	10	5.333G	11	5.443G	12	5.591G
13	5.632G	14	5.411G	15	5.472G	16	5.680G
17	5.359G	18	5.468G	19	5.482G	20	5.417G
21	5.558G	22	5.622G	23	5.462G	24	5.470G
25	5.499G	26	5.477G	27	5.303G	28	5.392G
29	5.388G	30	5.577G	31	5.432G	32	5.255G
33	5.309G	34	5.626G	35	5.260G	36	5.382G
37	5.617G	38	5.319G	39	5.483G	40	5.299G
41	5.644G	42	5.570G	43	5.436G	44	5.481G
45	5.457G	46	5.292G	47	5.713G	48	5.722G
49	5.495G	50	5.358G	51	5.317G	52	5.437G
53	5.497G	54	5.665G	55	5.651G	56	5.678G
57	5.336G	58	5.610G	59	5.345G	60	5.590G
61	5.548G	62	5.447G	63	5.616G	64	5.297G
65	5.663G	66	5.362G	67	5.654G	68	5.534G
69	5.720G	70	5.561G	71	5.703G	72	5.526G
73	5.716G	74	5.509G	75	5.344G	76	5.318G
77	5.375G	78	5.426G	79	5.696G	80	5.623G
81	5.692G	82	5.385G	83	5.521G	84	5.624G
85	5.556G	86	5.489G	87	5.306G	88	5.395G
89	5.530G	90	5.584G	91	5.272G	92	5.463G
93	5.712G	94	5.407G	95	5.507G	96	5.637G
97	5.575G	98	5.421G	99	5.438G	100	5.598G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.457G	2	5.659G	3	5.349G	4	5.336G
5	5.397G	6	5.408G	7	5.658G	8	5.519G
9	5.610G	10	5.562G	11	5.524G	12	5.362G
13	5.291G	14	5.268G	15	5.280G	16	5.384G
17	5.292G	18	5.282G	19	5.690G	20	5.318G
21	5.498G	22	5.366G	23	5.273G	24	5.540G
25	5.552G	26	5.342G	27	5.260G	28	5.413G
29	5.688G	30	5.652G	31	5.580G	32	5.420G
33	5.604G	34	5.603G	35	5.692G	36	5.594G
37	5.585G	38	5.429G	39	5.411G	40	5.615G
41	5.264G	42	5.423G	43	5.709G	44	5.451G
45	5.333G	46	5.722G	47	5.465G	48	5.656G
49	5.569G	50	5.496G	51	5.330G	52	5.614G
53	5.301G	54	5.700G	55	5.274G	56	5.713G
57	5.521G	58	5.325G	59	5.378G	60	5.312G
61	5.487G	62	5.276G	63	5.430G	64	5.305G
65	5.313G	66	5.416G	67	5.592G	68	5.617G
69	5.556G	70	5.566G	71	5.454G	72	5.693G
73	5.655G	74	5.443G	75	5.673G	76	5.509G
77	5.520G	78	5.536G	79	5.718G	80	5.329G
81	5.290G	82	5.304G	83	5.632G	84	5.507G
85	5.630G	86	5.453G	87	5.599G	88	5.285G
89	5.444G	90	5.267G	91	5.421G	92	5.476G
93	5.621G	94	5.714G	95	5.613G	96	5.424G
97	5.262G	98	5.691G	99	5.256G	100	5.337G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.693G	2	5.323G	3	5.547G	4	5.503G
5	5.681G	6	5.685G	7	5.275G	8	5.267G
9	5.499G	10	5.336G	11	5.438G	12	5.382G
13	5.706G	14	5.645G	15	5.502G	16	5.478G
17	5.390G	18	5.372G	19	5.708G	20	5.643G
21	5.623G	22	5.511G	23	5.655G	24	5.628G
25	5.654G	26	5.484G	27	5.370G	28	5.598G
29	5.400G	30	5.315G	31	5.312G	32	5.638G
33	5.553G	34	5.624G	35	5.526G	36	5.600G
37	5.326G	38	5.329G	39	5.619G	40	5.448G
41	5.405G	42	5.563G	43	5.471G	44	5.474G
45	5.398G	46	5.475G	47	5.584G	48	5.680G
49	5.621G	50	5.354G	51	5.276G	52	5.291G
53	5.331G	54	5.508G	55	5.719G	56	5.348G
57	5.539G	58	5.559G	59	5.668G	60	5.637G
61	5.536G	62	5.522G	63	5.419G	64	5.340G
65	5.682G	66	5.626G	67	5.579G	68	5.381G
69	5.703G	70	5.552G	71	5.531G	72	5.330G
73	5.551G	74	5.609G	75	5.414G	76	5.554G
77	5.594G	78	5.569G	79	5.283G	80	5.437G
81	5.307G	82	5.298G	83	5.281G	84	5.483G
85	5.709G	86	5.532G	87	5.516G	88	5.723G
89	5.672G	90	5.653G	91	5.278G	92	5.635G
93	5.296G	94	5.264G	95	5.689G	96	5.700G
97	5.490G	98	5.518G	99	5.580G	100	5.701G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.699G	2	5.418G	3	5.405G	4	5.500G
5	5.380G	6	5.372G	7	5.274G	8	5.298G
9	5.391G	10	5.444G	11	5.289G	12	5.363G
13	5.566G	14	5.421G	15	5.569G	16	5.452G
17	5.269G	18	5.627G	19	5.373G	20	5.456G
21	5.263G	22	5.260G	23	5.509G	24	5.445G
25	5.299G	26	5.696G	27	5.691G	28	5.267G
29	5.607G	30	5.532G	31	5.582G	32	5.658G
33	5.311G	34	5.698G	35	5.469G	36	5.657G
37	5.442G	38	5.454G	39	5.462G	40	5.610G
41	5.662G	42	5.447G	43	5.371G	44	5.693G
45	5.570G	46	5.324G	47	5.417G	48	5.565G
49	5.425G	50	5.310G	51	5.651G	52	5.516G
53	5.720G	54	5.671G	55	5.376G	56	5.255G
57	5.336G	58	5.555G	59	5.498G	60	5.677G
61	5.648G	62	5.357G	63	5.571G	64	5.287G
65	5.595G	66	5.681G	67	5.284G	68	5.676G
69	5.304G	70	5.605G	71	5.268G	72	5.527G
73	5.414G	74	5.621G	75	5.531G	76	5.624G
77	5.366G	78	5.528G	79	5.413G	80	5.604G
81	5.332G	82	5.579G	83	5.340G	84	5.318G
85	5.432G	86	5.455G	87	5.629G	88	5.551G
89	5.395G	90	5.519G	91	5.396G	92	5.626G
93	5.430G	94	5.398G	95	5.580G	96	5.495G
97	5.409G	98	5.309G	99	5.262G	100	5.672G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.299G	2	5.487G	3	5.496G	4	5.515G
5	5.442G	6	5.630G	7	5.282G	8	5.383G
9	5.696G	10	5.484G	11	5.349G	12	5.708G
13	5.268G	14	5.297G	15	5.640G	16	5.296G
17	5.508G	18	5.417G	19	5.486G	20	5.599G
21	5.298G	22	5.676G	23	5.377G	24	5.626G
25	5.430G	26	5.575G	27	5.277G	28	5.662G
29	5.309G	30	5.386G	31	5.337G	32	5.681G
33	5.412G	34	5.365G	35	5.650G	36	5.364G
37	5.453G	38	5.667G	39	5.500G	40	5.470G
41	5.411G	42	5.400G	43	5.311G	44	5.288G
45	5.661G	46	5.475G	47	5.328G	48	5.602G
49	5.512G	50	5.255G	51	5.614G	52	5.577G
53	5.356G	54	5.313G	55	5.488G	56	5.358G
57	5.646G	58	5.304G	59	5.680G	60	5.343G
61	5.301G	62	5.369G	63	5.451G	64	5.350G
65	5.702G	66	5.637G	67	5.663G	68	5.408G
69	5.671G	70	5.520G	71	5.699G	72	5.596G
73	5.574G	74	5.655G	75	5.543G	76	5.380G
77	5.257G	78	5.620G	79	5.714G	80	5.393G
81	5.723G	82	5.459G	83	5.457G	84	5.307G
85	5.434G	86	5.552G	87	5.368G	88	5.425G
89	5.389G	90	5.494G	91	5.366G	92	5.712G
93	5.579G	94	5.376G	95	5.468G	96	5.654G
97	5.405G	98	5.286G	99	5.438G	100	5.272G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.265G	2	5.279G	3	5.484G	4	5.698G
5	5.441G	6	5.340G	7	5.542G	8	5.460G
9	5.668G	10	5.375G	11	5.621G	12	5.451G
13	5.541G	14	5.509G	15	5.657G	16	5.555G
17	5.373G	18	5.314G	19	5.616G	20	5.656G
21	5.324G	22	5.689G	23	5.313G	24	5.351G
25	5.695G	26	5.433G	27	5.549G	28	5.400G
29	5.691G	30	5.609G	31	5.362G	32	5.518G
33	5.495G	34	5.663G	35	5.480G	36	5.462G
37	5.581G	38	5.684G	39	5.401G	40	5.709G
41	5.328G	42	5.332G	43	5.724G	44	5.702G
45	5.676G	46	5.685G	47	5.327G	48	5.392G
49	5.422G	50	5.585G	51	5.403G	52	5.681G
53	5.579G	54	5.432G	55	5.383G	56	5.659G
57	5.421G	58	5.520G	59	5.391G	60	5.643G
61	5.285G	62	5.266G	63	5.611G	64	5.337G
65	5.372G	66	5.333G	67	5.416G	68	5.652G
69	5.387G	70	5.366G	71	5.682G	72	5.309G
73	5.469G	74	5.596G	75	5.378G	76	5.671G
77	5.490G	78	5.336G	79	5.573G	80	5.569G
81	5.476G	82	5.414G	83	5.686G	84	5.467G
85	5.302G	86	5.359G	87	5.626G	88	5.498G
89	5.570G	90	5.312G	91	5.406G	92	5.508G
93	5.712G	94	5.268G	95	5.517G	96	5.294G
97	5.531G	98	5.442G	99	5.610G	100	5.257G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.542G	2	5.430G	3	5.511G	4	5.365G
5	5.566G	6	5.524G	7	5.558G	8	5.393G
9	5.695G	10	5.662G	11	5.584G	12	5.291G
13	5.673G	14	5.560G	15	5.344G	16	5.361G
17	5.251G	18	5.587G	19	5.429G	20	5.677G
21	5.372G	22	5.579G	23	5.625G	24	5.660G
25	5.605G	26	5.539G	27	5.297G	28	5.540G
29	5.702G	30	5.427G	31	5.706G	32	5.491G
33	5.420G	34	5.327G	35	5.615G	36	5.720G
37	5.400G	38	5.364G	39	5.604G	40	5.692G
41	5.366G	42	5.349G	43	5.376G	44	5.688G
45	5.408G	46	5.596G	47	5.594G	48	5.671G
49	5.685G	50	5.256G	51	5.255G	52	5.497G
53	5.713G	54	5.398G	55	5.445G	56	5.555G
57	5.446G	58	5.384G	59	5.721G	60	5.716G
61	5.387G	62	5.665G	63	5.614G	64	5.543G
65	5.496G	66	5.557G	67	5.617G	68	5.684G
69	5.448G	70	5.627G	71	5.369G	72	5.285G
73	5.520G	74	5.518G	75	5.391G	76	5.613G
77	5.602G	78	5.500G	79	5.477G	80	5.353G
81	5.323G	82	5.276G	83	5.253G	84	5.351G
85	5.436G	86	5.528G	87	5.507G	88	5.335G
89	5.378G	90	5.332G	91	5.490G	92	5.693G
93	5.373G	94	5.608G	95	5.290G	96	5.532G
97	5.622G	98	5.495G	99	5.686G	100	5.425G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.671G	2	5.545G	3	5.712G	4	5.543G
5	5.724G	6	5.489G	7	5.532G	8	5.296G
9	5.438G	10	5.710G	11	5.706G	12	5.390G
13	5.715G	14	5.506G	15	5.305G	16	5.380G
17	5.721G	18	5.398G	19	5.427G	20	5.641G
21	5.540G	22	5.667G	23	5.513G	24	5.352G
25	5.526G	26	5.720G	27	5.693G	28	5.441G
29	5.560G	30	5.422G	31	5.283G	32	5.442G
33	5.297G	34	5.399G	35	5.603G	36	5.415G
37	5.255G	38	5.385G	39	5.393G	40	5.401G
41	5.250G	42	5.357G	43	5.262G	44	5.637G
45	5.345G	46	5.273G	47	5.437G	48	5.251G
49	5.483G	50	5.539G	51	5.509G	52	5.578G
53	5.564G	54	5.574G	55	5.609G	56	5.723G
57	5.476G	58	5.351G	59	5.680G	60	5.372G
61	5.336G	62	5.524G	63	5.646G	64	5.275G
65	5.355G	66	5.583G	67	5.664G	68	5.683G
69	5.328G	70	5.566G	71	5.491G	72	5.707G
73	5.285G	74	5.378G	75	5.349G	76	5.520G
77	5.478G	78	5.528G	79	5.552G	80	5.596G
81	5.340G	82	5.358G	83	5.642G	84	5.722G
85	5.687G	86	5.291G	87	5.684G	88	5.373G
89	5.681G	90	5.477G	91	5.456G	92	5.665G
93	5.376G	94	5.420G	95	5.314G	96	5.499G
97	5.404G	98	5.280G	99	5.484G	100	5.310G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.254G	2	5.527G	3	5.713G	4	5.634G
5	5.363G	6	5.719G	7	5.710G	8	5.270G
9	5.521G	10	5.445G	11	5.660G	12	5.268G
13	5.436G	14	5.383G	15	5.580G	16	5.541G
17	5.433G	18	5.621G	19	5.287G	20	5.264G
21	5.663G	22	5.279G	23	5.337G	24	5.434G
25	5.452G	26	5.342G	27	5.649G	28	5.404G
29	5.517G	30	5.583G	31	5.343G	32	5.262G
33	5.447G	34	5.659G	35	5.643G	36	5.419G
37	5.361G	38	5.327G	39	5.302G	40	5.682G
41	5.475G	42	5.553G	43	5.678G	44	5.358G
45	5.512G	46	5.530G	47	5.639G	48	5.395G
49	5.515G	50	5.388G	51	5.505G	52	5.468G
53	5.647G	54	5.686G	55	5.319G	56	5.570G
57	5.330G	58	5.381G	59	5.458G	60	5.694G
61	5.471G	62	5.398G	63	5.551G	64	5.582G
65	5.352G	66	5.298G	67	5.276G	68	5.590G
69	5.650G	70	5.362G	71	5.267G	72	5.259G
73	5.501G	74	5.316G	75	5.571G	76	5.485G
77	5.469G	78	5.284G	79	5.595G	80	5.489G
81	5.654G	82	5.354G	83	5.282G	84	5.633G
85	5.376G	86	5.592G	87	5.305G	88	5.600G
89	5.408G	90	5.252G	91	5.450G	92	5.336G
93	5.292G	94	5.534G	95	5.456G	96	5.464G
97	5.522G	98	5.414G	99	5.496G	100	5.702G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.709G	2	5.441G	3	5.501G	4	5.598G
5	5.361G	6	5.419G	7	5.400G	8	5.564G
9	5.279G	10	5.313G	11	5.430G	12	5.600G
13	5.582G	14	5.705G	15	5.627G	16	5.317G
17	5.662G	18	5.661G	19	5.612G	20	5.720G
21	5.275G	22	5.641G	23	5.595G	24	5.621G
25	5.700G	26	5.607G	27	5.344G	28	5.615G
29	5.469G	30	5.424G	31	5.292G	32	5.542G
33	5.513G	34	5.650G	35	5.702G	36	5.539G
37	5.555G	38	5.374G	39	5.724G	40	5.276G
41	5.260G	42	5.499G	43	5.635G	44	5.405G
45	5.711G	46	5.356G	47	5.444G	48	5.671G
49	5.434G	50	5.585G	51	5.543G	52	5.593G
53	5.556G	54	5.573G	55	5.465G	56	5.554G
57	5.267G	58	5.448G	59	5.557G	60	5.406G
61	5.250G	62	5.707G	63	5.442G	64	5.345G
65	5.630G	66	5.428G	67	5.723G	68	5.514G
69	5.410G	70	5.647G	71	5.599G	72	5.665G
73	5.342G	74	5.652G	75	5.364G	76	5.386G
77	5.336G	78	5.312G	79	5.401G	80	5.686G
81	5.651G	82	5.319G	83	5.327G	84	5.683G
85	5.392G	86	5.472G	87	5.463G	88	5.354G
89	5.496G	90	5.568G	91	5.602G	92	5.636G
93	5.658G	94	5.378G	95	5.470G	96	5.695G
97	5.694G	98	5.288G	99	5.394G	100	5.339G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.663G	2	5.273G	3	5.461G	4	5.473G
5	5.301G	6	5.592G	7	5.308G	8	5.593G
9	5.277G	10	5.698G	11	5.442G	12	5.661G
13	5.263G	14	5.714G	15	5.280G	16	5.509G
17	5.315G	18	5.672G	19	5.358G	20	5.449G
21	5.260G	22	5.676G	23	5.600G	24	5.360G
25	5.378G	26	5.681G	27	5.428G	28	5.702G
29	5.453G	30	5.422G	31	5.370G	32	5.373G
33	5.322G	34	5.411G	35	5.350G	36	5.718G
37	5.348G	38	5.637G	39	5.524G	40	5.664G
41	5.267G	42	5.521G	43	5.297G	44	5.305G
45	5.628G	46	5.514G	47	5.394G	48	5.668G
49	5.539G	50	5.618G	51	5.321G	52	5.611G
53	5.639G	54	5.423G	55	5.381G	56	5.710G
57	5.699G	58	5.339G	59	5.588G	60	5.504G
61	5.701G	62	5.590G	63	5.689G	64	5.594G
65	5.640G	66	5.587G	67	5.690G	68	5.412G
69	5.552G	70	5.334G	71	5.258G	72	5.310G
73	5.542G	74	5.361G	75	5.332G	76	5.296G
77	5.696G	78	5.525G	79	5.549G	80	5.671G
81	5.503G	82	5.309G	83	5.252G	84	5.269G
85	5.265G	86	5.291G	87	5.454G	88	5.686G
89	5.336G	90	5.421G	91	5.279G	92	5.345G
93	5.410G	94	5.660G	95	5.498G	96	5.357G
97	5.333G	98	5.458G	99	5.445G	100	5.314G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.611G	2	5.445G	3	5.628G	4	5.717G
5	5.622G	6	5.440G	7	5.362G	8	5.334G
9	5.586G	10	5.318G	11	5.675G	12	5.639G
13	5.404G	14	5.281G	15	5.637G	16	5.653G
17	5.282G	18	5.468G	19	5.288G	20	5.651G
21	5.298G	22	5.723G	23	5.323G	24	5.250G
25	5.333G	26	5.567G	27	5.671G	28	5.542G
29	5.480G	30	5.467G	31	5.409G	32	5.668G
33	5.618G	34	5.519G	35	5.302G	36	5.677G
37	5.346G	38	5.450G	39	5.714G	40	5.447G
41	5.515G	42	5.703G	43	5.411G	44	5.457G
45	5.322G	46	5.522G	47	5.610G	48	5.373G
49	5.577G	50	5.472G	51	5.568G	52	5.656G
53	5.357G	54	5.572G	55	5.482G	56	5.516G
57	5.686G	58	5.649G	59	5.719G	60	5.310G
61	5.476G	62	5.507G	63	5.524G	64	5.491G
65	5.521G	66	5.441G	67	5.672G	68	5.481G
69	5.582G	70	5.695G	71	5.289G	72	5.545G
73	5.605G	74	5.451G	75	5.386G	76	5.293G
77	5.352G	78	5.260G	79	5.603G	80	5.254G
81	5.444G	82	5.697G	83	5.621G	84	5.484G
85	5.709G	86	5.500G	87	5.435G	88	5.680G
89	5.311G	90	5.308G	91	5.388G	92	5.555G
93	5.337G	94	5.659G	95	5.271G	96	5.594G
97	5.669G	98	5.588G	99	5.506G	100	5.452G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.290G	2	5.457G	3	5.569G	4	5.438G
5	5.567G	6	5.718G	7	5.669G	8	5.480G
9	5.497G	10	5.471G	11	5.276G	12	5.515G
13	5.577G	14	5.419G	15	5.475G	16	5.469G
17	5.657G	18	5.377G	19	5.348G	20	5.590G
21	5.641G	22	5.339G	23	5.681G	24	5.663G
25	5.331G	26	5.396G	27	5.461G	28	5.509G
29	5.299G	30	5.548G	31	5.467G	32	5.700G
33	5.660G	34	5.651G	35	5.724G	36	5.311G
37	5.329G	38	5.455G	39	5.415G	40	5.297G
41	5.312G	42	5.424G	43	5.266G	44	5.374G
45	5.653G	46	5.695G	47	5.521G	48	5.327G
49	5.332G	50	5.693G	51	5.318G	52	5.412G
53	5.271G	54	5.647G	55	5.645G	56	5.267G
57	5.565G	58	5.682G	59	5.524G	60	5.536G
61	5.604G	62	5.431G	63	5.721G	64	5.615G
65	5.715G	66	5.659G	67	5.362G	68	5.579G
69	5.472G	70	5.529G	71	5.320G	72	5.619G
73	5.580G	74	5.484G	75	5.519G	76	5.594G
77	5.464G	78	5.712G	79	5.454G	80	5.555G
81	5.382G	82	5.341G	83	5.482G	84	5.644G
85	5.598G	86	5.302G	87	5.335G	88	5.545G
89	5.314G	90	5.640G	91	5.463G	92	5.274G
93	5.650G	94	5.422G	95	5.488G	96	5.652G
97	5.308G	98	5.470G	99	5.453G	100	5.636G



A D T

Hopping Frequency Sequence Name: HGA_HOP_HT40_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.638G	2	5.516G	3	5.645G	4	5.403G
5	5.357G	6	5.699G	7	5.564G	8	5.527G
9	5.578G	10	5.438G	11	5.508G	12	5.658G
13	5.707G	14	5.613G	15	5.642G	16	5.449G
17	5.330G	18	5.599G	19	5.647G	20	5.558G
21	5.352G	22	5.412G	23	5.269G	24	5.634G
25	5.585G	26	5.303G	27	5.320G	28	5.437G
29	5.287G	30	5.311G	31	5.656G	32	5.586G
33	5.401G	34	5.395G	35	5.391G	36	5.442G
37	5.309G	38	5.646G	39	5.362G	40	5.319G
41	5.388G	42	5.381G	43	5.654G	44	5.297G
45	5.323G	46	5.659G	47	5.358G	48	5.482G
49	5.259G	50	5.490G	51	5.446G	52	5.488G
53	5.532G	54	5.519G	55	5.372G	56	5.722G
57	5.570G	58	5.302G	59	5.622G	60	5.489G
61	5.308G	62	5.601G	63	5.290G	64	5.618G
65	5.683G	66	5.619G	67	5.580G	68	5.588G
69	5.587G	70	5.251G	71	5.609G	72	5.695G
73	5.262G	74	5.703G	75	5.590G	76	5.324G
77	5.394G	78	5.481G	79	5.546G	80	5.384G
81	5.428G	82	5.589G	83	5.554G	84	5.478G
85	5.415G	86	5.424G	87	5.377G	88	5.611G
89	5.296G	90	5.562G	91	5.690G	92	5.598G
93	5.426G	94	5.721G	95	5.386G	96	5.486G
97	5.500G	98	5.266G	99	5.462G	100	5.697G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.417G	2	5.550G	3	5.398G	4	5.676G
5	5.527G	6	5.635G	7	5.395G	8	5.464G
9	5.299G	10	5.637G	11	5.274G	12	5.262G
13	5.296G	14	5.642G	15	5.515G	16	5.619G
17	5.447G	18	5.534G	19	5.669G	20	5.535G
21	5.557G	22	5.667G	23	5.357G	24	5.365G
25	5.713G	26	5.582G	27	5.573G	28	5.399G
29	5.653G	30	5.254G	31	5.320G	32	5.288G
33	5.574G	34	5.323G	35	5.649G	36	5.639G
37	5.379G	38	5.705G	39	5.497G	40	5.679G
41	5.545G	42	5.426G	43	5.289G	44	5.597G
45	5.601G	46	5.284G	47	5.311G	48	5.687G
49	5.472G	50	5.281G	51	5.504G	52	5.590G
53	5.280G	54	5.404G	55	5.255G	56	5.286G
57	5.633G	58	5.401G	59	5.380G	60	5.305G
61	5.458G	62	5.720G	63	5.617G	64	5.599G
65	5.613G	66	5.703G	67	5.470G	68	5.714G
69	5.530G	70	5.699G	71	5.646G	72	5.568G
73	5.562G	74	5.662G	75	5.655G	76	5.533G
77	5.376G	78	5.681G	79	5.430G	80	5.259G
81	5.301G	82	5.563G	83	5.468G	84	5.518G
85	5.303G	86	5.421G	87	5.423G	88	5.251G
89	5.445G	90	5.663G	91	5.529G	92	5.603G
93	5.409G	94	5.386G	95	5.549G	96	5.316G
97	5.486G	98	5.434G	99	5.591G	100	5.278G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.260G	2	5.527G	3	5.381G	4	5.659G
5	5.722G	6	5.347G	7	5.271G	8	5.277G
9	5.446G	10	5.510G	11	5.596G	12	5.505G
13	5.627G	14	5.621G	15	5.584G	16	5.301G
17	5.610G	18	5.336G	19	5.609G	20	5.509G
21	5.410G	22	5.333G	23	5.570G	24	5.250G
25	5.287G	26	5.251G	27	5.597G	28	5.426G
29	5.380G	30	5.721G	31	5.413G	32	5.668G
33	5.323G	34	5.354G	35	5.436G	36	5.541G
37	5.487G	38	5.427G	39	5.580G	40	5.479G
41	5.361G	42	5.545G	43	5.298G	44	5.311G
45	5.370G	46	5.471G	47	5.442G	48	5.309G
49	5.328G	50	5.355G	51	5.653G	52	5.616G
53	5.421G	54	5.265G	55	5.324G	56	5.474G
57	5.327G	58	5.702G	59	5.689G	60	5.429G
61	5.723G	62	5.443G	63	5.357G	64	5.400G
65	5.275G	66	5.538G	67	5.363G	68	5.342G
69	5.699G	70	5.549G	71	5.625G	72	5.437G
73	5.460G	74	5.537G	75	5.293G	76	5.337G
77	5.693G	78	5.365G	79	5.386G	80	5.604G
81	5.525G	82	5.393G	83	5.641G	84	5.470G
85	5.720G	86	5.692G	87	5.569G	88	5.664G
89	5.469G	90	5.295G	91	5.655G	92	5.395G
93	5.691G	94	5.551G	95	5.587G	96	5.407G
97	5.374G	98	5.360G	99	5.274G	100	5.378G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.265G	2	5.617G	3	5.330G	4	5.440G
5	5.418G	6	5.301G	7	5.333G	8	5.643G
9	5.502G	10	5.271G	11	5.424G	12	5.255G
13	5.430G	14	5.514G	15	5.365G	16	5.529G
17	5.625G	18	5.561G	19	5.495G	20	5.405G
21	5.621G	22	5.420G	23	5.331G	24	5.314G
25	5.361G	26	5.571G	27	5.479G	28	5.583G
29	5.393G	30	5.670G	31	5.285G	32	5.456G
33	5.351G	34	5.679G	35	5.692G	36	5.262G
37	5.518G	38	5.629G	39	5.350G	40	5.505G
41	5.381G	42	5.665G	43	5.407G	44	5.565G
45	5.294G	46	5.358G	47	5.432G	48	5.433G
49	5.685G	50	5.623G	51	5.557G	52	5.519G
53	5.550G	54	5.611G	55	5.488G	56	5.341G
57	5.426G	58	5.476G	59	5.616G	60	5.511G
61	5.299G	62	5.360G	63	5.400G	64	5.374G
65	5.289G	66	5.461G	67	5.431G	68	5.321G
69	5.372G	70	5.695G	71	5.282G	72	5.579G
73	5.446G	74	5.582G	75	5.556G	76	5.569G
77	5.675G	78	5.560G	79	5.694G	80	5.388G
81	5.660G	82	5.688G	83	5.578G	84	5.536G
85	5.279G	86	5.385G	87	5.595G	88	5.256G
89	5.471G	90	5.264G	91	5.532G	92	5.287G
93	5.269G	94	5.594G	95	5.494G	96	5.624G
97	5.270G	98	5.723G	99	5.708G	100	5.716G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.671G	2	5.331G	3	5.390G	4	5.400G
5	5.291G	6	5.572G	7	5.480G	8	5.339G
9	5.719G	10	5.567G	11	5.621G	12	5.356G
13	5.427G	14	5.489G	15	5.523G	16	5.328G
17	5.276G	18	5.715G	19	5.425G	20	5.550G
21	5.716G	22	5.605G	23	5.262G	24	5.525G
25	5.372G	26	5.374G	27	5.666G	28	5.286G
29	5.289G	30	5.587G	31	5.300G	32	5.544G
33	5.320G	34	5.265G	35	5.536G	36	5.501G
37	5.457G	38	5.377G	39	5.470G	40	5.479G
41	5.556G	42	5.700G	43	5.491G	44	5.268G
45	5.688G	46	5.440G	47	5.580G	48	5.464G
49	5.330G	50	5.557G	51	5.647G	52	5.504G
53	5.437G	54	5.634G	55	5.369G	56	5.517G
57	5.683G	58	5.649G	59	5.515G	60	5.488G
61	5.510G	62	5.302G	63	5.301G	64	5.415G
65	5.271G	66	5.325G	67	5.429G	68	5.254G
69	5.530G	70	5.347G	71	5.723G	72	5.565G
73	5.483G	74	5.450G	75	5.309G	76	5.611G
77	5.426G	78	5.709G	79	5.484G	80	5.612G
81	5.354G	82	5.579G	83	5.297G	84	5.337G
85	5.361G	86	5.371G	87	5.593G	88	5.261G
89	5.283G	90	5.382G	91	5.398G	92	5.453G
93	5.428G	94	5.552G	95	5.645G	96	5.505G
97	5.629G	98	5.625G	99	5.381G	100	5.421G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.251G	2	5.302G	3	5.320G	4	5.704G
5	5.345G	6	5.551G	7	5.425G	8	5.369G
9	5.569G	10	5.723G	11	5.350G	12	5.485G
13	5.270G	14	5.617G	15	5.439G	16	5.401G
17	5.631G	18	5.255G	19	5.267G	20	5.467G
21	5.378G	22	5.684G	23	5.724G	24	5.563G
25	5.519G	26	5.689G	27	5.427G	28	5.347G
29	5.440G	30	5.626G	31	5.383G	32	5.697G
33	5.510G	34	5.506G	35	5.604G	36	5.650G
37	5.547G	38	5.589G	39	5.311G	40	5.682G
41	5.305G	42	5.473G	43	5.264G	44	5.685G
45	5.688G	46	5.466G	47	5.324G	48	5.690G
49	5.536G	50	5.630G	51	5.471G	52	5.338G
53	5.627G	54	5.629G	55	5.660G	56	5.586G
57	5.585G	58	5.456G	59	5.271G	60	5.430G
61	5.435G	62	5.458G	63	5.613G	64	5.317G
65	5.276G	66	5.667G	67	5.370G	68	5.373G
69	5.499G	70	5.479G	71	5.442G	72	5.513G
73	5.293G	74	5.365G	75	5.341G	76	5.572G
77	5.478G	78	5.658G	79	5.461G	80	5.703G
81	5.438G	82	5.494G	83	5.722G	84	5.420G
85	5.326G	86	5.616G	87	5.254G	88	5.252G
89	5.512G	90	5.454G	91	5.337G	92	5.523G
93	5.261G	94	5.436G	95	5.669G	96	5.336G
97	5.717G	98	5.680G	99	5.693G	100	5.611G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.484G	2	5.589G	3	5.621G	4	5.411G
5	5.496G	6	5.543G	7	5.613G	8	5.483G
9	5.529G	10	5.353G	11	5.653G	12	5.580G
13	5.510G	14	5.671G	15	5.345G	16	5.495G
17	5.558G	18	5.552G	19	5.627G	20	5.690G
21	5.260G	22	5.255G	23	5.562G	24	5.262G
25	5.702G	26	5.556G	27	5.324G	28	5.535G
29	5.371G	30	5.592G	31	5.595G	32	5.634G
33	5.559G	34	5.300G	35	5.497G	36	5.622G
37	5.337G	38	5.557G	39	5.430G	40	5.410G
41	5.391G	42	5.651G	43	5.549G	44	5.581G
45	5.312G	46	5.643G	47	5.709G	48	5.593G
49	5.393G	50	5.406G	51	5.309G	52	5.362G
53	5.721G	54	5.252G	55	5.597G	56	5.348G
57	5.359G	58	5.461G	59	5.251G	60	5.669G
61	5.363G	62	5.357G	63	5.331G	64	5.701G
65	5.397G	66	5.554G	67	5.614G	68	5.626G
69	5.572G	70	5.546G	71	5.600G	72	5.652G
73	5.360G	74	5.319G	75	5.657G	76	5.405G
77	5.519G	78	5.350G	79	5.280G	80	5.436G
81	5.525G	82	5.311G	83	5.293G	84	5.415G
85	5.698G	86	5.706G	87	5.444G	88	5.370G
89	5.302G	90	5.488G	91	5.717G	92	5.277G
93	5.329G	94	5.630G	95	5.666G	96	5.427G
97	5.707G	98	5.342G	99	5.303G	100	5.462G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.407G	2	5.571G	3	5.410G	4	5.361G
5	5.509G	6	5.389G	7	5.621G	8	5.656G
9	5.506G	10	5.431G	11	5.415G	12	5.645G
13	5.297G	14	5.306G	15	5.613G	16	5.644G
17	5.304G	18	5.388G	19	5.690G	20	5.711G
21	5.357G	22	5.294G	23	5.344G	24	5.714G
25	5.670G	26	5.271G	27	5.542G	28	5.696G
29	5.566G	30	5.628G	31	5.682G	32	5.539G
33	5.568G	34	5.559G	35	5.497G	36	5.523G
37	5.460G	38	5.708G	39	5.454G	40	5.265G
41	5.370G	42	5.374G	43	5.273G	44	5.310G
45	5.429G	46	5.556G	47	5.565G	48	5.678G
49	5.279G	50	5.426G	51	5.475G	52	5.653G
53	5.458G	54	5.536G	55	5.319G	56	5.599G
57	5.519G	58	5.286G	59	5.315G	60	5.584G
61	5.652G	62	5.488G	63	5.703G	64	5.634G
65	5.462G	66	5.276G	67	5.275G	68	5.720G
69	5.331G	70	5.446G	71	5.452G	72	5.544G
73	5.522G	74	5.633G	75	5.303G	76	5.632G
77	5.685G	78	5.624G	79	5.680G	80	5.501G
81	5.567G	82	5.299G	83	5.309G	84	5.416G
85	5.293G	86	5.579G	87	5.630G	88	5.592G
89	5.384G	90	5.398G	91	5.617G	92	5.418G
93	5.514G	94	5.485G	95	5.481G	96	5.513G
97	5.695G	98	5.518G	99	5.337G	100	5.601G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.566G	2	5.704G	3	5.723G	4	5.588G
5	5.332G	6	5.686G	7	5.423G	8	5.630G
9	5.547G	10	5.377G	11	5.403G	12	5.348G
13	5.585G	14	5.693G	15	5.386G	16	5.475G
17	5.568G	18	5.639G	19	5.385G	20	5.392G
21	5.451G	22	5.297G	23	5.325G	24	5.265G
25	5.497G	26	5.271G	27	5.530G	28	5.597G
29	5.678G	30	5.259G	31	5.713G	32	5.550G
33	5.709G	34	5.535G	35	5.311G	36	5.321G
37	5.318G	38	5.360G	39	5.342G	40	5.346G
41	5.448G	42	5.262G	43	5.660G	44	5.579G
45	5.662G	46	5.254G	47	5.524G	48	5.684G
49	5.415G	50	5.624G	51	5.447G	52	5.504G
53	5.369G	54	5.567G	55	5.291G	56	5.670G
57	5.302G	58	5.294G	59	5.361G	60	5.659G
61	5.378G	62	5.344G	63	5.540G	64	5.393G
65	5.715G	66	5.479G	67	5.501G	68	5.614G
69	5.442G	70	5.520G	71	5.605G	72	5.539G
73	5.456G	74	5.534G	75	5.350G	76	5.676G
77	5.629G	78	5.681G	79	5.430G	80	5.674G
81	5.443G	82	5.266G	83	5.654G	84	5.617G
85	5.304G	86	5.714G	87	5.427G	88	5.343G
89	5.655G	90	5.445G	91	5.388G	92	5.665G
93	5.424G	94	5.404G	95	5.644G	96	5.352G
97	5.268G	98	5.554G	99	5.417G	100	5.669G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.313G	2	5.476G	3	5.266G	4	5.421G
5	5.401G	6	5.384G	7	5.260G	8	5.557G
9	5.282G	10	5.574G	11	5.691G	12	5.680G
13	5.545G	14	5.595G	15	5.642G	16	5.615G
17	5.606G	18	5.335G	19	5.562G	20	5.634G
21	5.532G	22	5.256G	23	5.683G	24	5.344G
25	5.352G	26	5.317G	27	5.693G	28	5.252G
29	5.382G	30	5.601G	31	5.305G	32	5.696G
33	5.672G	34	5.398G	35	5.520G	36	5.371G
37	5.578G	38	5.288G	39	5.481G	40	5.614G
41	5.345G	42	5.462G	43	5.531G	44	5.573G
45	5.660G	46	5.515G	47	5.724G	48	5.451G
49	5.501G	50	5.710G	51	5.389G	52	5.540G
53	5.443G	54	5.618G	55	5.537G	56	5.514G
57	5.706G	58	5.651G	59	5.581G	60	5.572G
61	5.588G	62	5.685G	63	5.671G	64	5.341G
65	5.475G	66	5.543G	67	5.625G	68	5.447G
69	5.350G	70	5.560G	71	5.435G	72	5.497G
73	5.644G	74	5.670G	75	5.302G	76	5.393G
77	5.635G	78	5.417G	79	5.616G	80	5.708G
81	5.438G	82	5.361G	83	5.342G	84	5.704G
85	5.472G	86	5.304G	87	5.591G	88	5.654G
89	5.269G	90	5.491G	91	5.258G	92	5.347G
93	5.312G	94	5.457G	95	5.278G	96	5.533G
97	5.605G	98	5.550G	99	5.723G	100	5.579G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.719G	2	5.344G	3	5.454G	4	5.720G
5	5.413G	6	5.667G	7	5.537G	8	5.580G
9	5.397G	10	5.462G	11	5.352G	12	5.346G
13	5.263G	14	5.486G	15	5.308G	16	5.392G
17	5.428G	18	5.445G	19	5.482G	20	5.399G
21	5.687G	22	5.461G	23	5.581G	24	5.669G
25	5.425G	26	5.572G	27	5.437G	28	5.273G
29	5.339G	30	5.317G	31	5.374G	32	5.400G
33	5.503G	34	5.605G	35	5.656G	36	5.367G
37	5.553G	38	5.684G	39	5.278G	40	5.628G
41	5.609G	42	5.651G	43	5.480G	44	5.336G
45	5.324G	46	5.487G	47	5.253G	48	5.303G
49	5.390G	50	5.485G	51	5.438G	52	5.559G
53	5.402G	54	5.674G	55	5.526G	56	5.498G
57	5.365G	58	5.634G	59	5.467G	60	5.703G
61	5.653G	62	5.722G	63	5.661G	64	5.501G
65	5.496G	66	5.592G	67	5.551G	68	5.548G
69	5.686G	70	5.478G	71	5.430G	72	5.682G
73	5.362G	74	5.523G	75	5.435G	76	5.419G
77	5.409G	78	5.659G	79	5.363G	80	5.638G
81	5.550G	82	5.275G	83	5.315G	84	5.558G
85	5.591G	86	5.529G	87	5.576G	88	5.335G
89	5.331G	90	5.723G	91	5.407G	92	5.257G
93	5.561G	94	5.540G	95	5.715G	96	5.403G
97	5.655G	98	5.477G	99	5.418G	100	5.564G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.459G	2	5.426G	3	5.722G	4	5.672G
5	5.489G	6	5.358G	7	5.574G	8	5.620G
9	5.359G	10	5.504G	11	5.698G	12	5.424G
13	5.519G	14	5.704G	15	5.651G	16	5.580G
17	5.547G	18	5.598G	19	5.723G	20	5.689G
21	5.518G	22	5.329G	23	5.361G	24	5.503G
25	5.663G	26	5.611G	27	5.486G	28	5.469G
29	5.425G	30	5.423G	31	5.411G	32	5.345G
33	5.548G	34	5.648G	35	5.556G	36	5.625G
37	5.442G	38	5.443G	39	5.293G	40	5.612G
41	5.643G	42	5.545G	43	5.661G	44	5.350G
45	5.477G	46	5.356G	47	5.484G	48	5.427G
49	5.254G	50	5.379G	51	5.394G	52	5.306G
53	5.606G	54	5.496G	55	5.602G	56	5.540G
57	5.632G	58	5.257G	59	5.325G	60	5.676G
61	5.343G	62	5.619G	63	5.430G	64	5.635G
65	5.391G	66	5.289G	67	5.719G	68	5.634G
69	5.546G	70	5.385G	71	5.251G	72	5.590G
73	5.558G	74	5.452G	75	5.390G	76	5.495G
77	5.586G	78	5.365G	79	5.406G	80	5.453G
81	5.398G	82	5.401G	83	5.717G	84	5.686G
85	5.373G	86	5.512G	87	5.549G	88	5.617G
89	5.536G	90	5.529G	91	5.297G	92	5.439G
93	5.417G	94	5.403G	95	5.675G	96	5.682G
97	5.400G	98	5.522G	99	5.553G	100	5.610G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.627G	2	5.502G	3	5.292G	4	5.279G
5	5.590G	6	5.498G	7	5.704G	8	5.528G
9	5.483G	10	5.314G	11	5.562G	12	5.615G
13	5.294G	14	5.308G	15	5.479G	16	5.527G
17	5.568G	18	5.596G	19	5.344G	20	5.660G
21	5.490G	22	5.455G	23	5.380G	24	5.614G
25	5.516G	26	5.260G	27	5.514G	28	5.705G
29	5.659G	30	5.391G	31	5.400G	32	5.379G
33	5.265G	34	5.552G	35	5.257G	36	5.325G
37	5.647G	38	5.453G	39	5.316G	40	5.359G
41	5.361G	42	5.524G	43	5.555G	44	5.622G
45	5.268G	46	5.363G	47	5.703G	48	5.629G
49	5.415G	50	5.683G	51	5.305G	52	5.566G
53	5.339G	54	5.564G	55	5.721G	56	5.691G
57	5.444G	58	5.454G	59	5.656G	60	5.515G
61	5.262G	62	5.476G	63	5.540G	64	5.648G
65	5.396G	66	5.252G	67	5.640G	68	5.525G
69	5.428G	70	5.395G	71	5.499G	72	5.589G
73	5.259G	74	5.709G	75	5.645G	76	5.624G
77	5.710G	78	5.460G	79	5.586G	80	5.650G
81	5.598G	82	5.478G	83	5.582G	84	5.651G
85	5.611G	86	5.431G	87	5.352G	88	5.372G
89	5.389G	90	5.289G	91	5.470G	92	5.714G
93	5.355G	94	5.394G	95	5.254G	96	5.634G
97	5.632G	98	5.561G	99	5.468G	100	5.412G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.332G	2	5.344G	3	5.717G	4	5.298G
5	5.462G	6	5.281G	7	5.546G	8	5.430G
9	5.623G	10	5.716G	11	5.641G	12	5.712G
13	5.613G	14	5.272G	15	5.561G	16	5.567G
17	5.382G	18	5.325G	19	5.477G	20	5.283G
21	5.320G	22	5.505G	23	5.699G	24	5.468G
25	5.593G	26	5.499G	27	5.313G	28	5.664G
29	5.348G	30	5.497G	31	5.362G	32	5.709G
33	5.661G	34	5.265G	35	5.481G	36	5.634G
37	5.498G	38	5.586G	39	5.457G	40	5.571G
41	5.341G	42	5.679G	43	5.353G	44	5.290G
45	5.349G	46	5.345G	47	5.364G	48	5.714G
49	5.662G	50	5.614G	51	5.257G	52	5.674G
53	5.275G	54	5.663G	55	5.316G	56	5.317G
57	5.288G	58	5.624G	59	5.713G	60	5.598G
61	5.306G	62	5.273G	63	5.640G	64	5.380G
65	5.523G	66	5.354G	67	5.289G	68	5.308G
69	5.519G	70	5.350G	71	5.574G	72	5.656G
73	5.676G	74	5.404G	75	5.303G	76	5.566G
77	5.514G	78	5.528G	79	5.601G	80	5.483G
81	5.346G	82	5.525G	83	5.689G	84	5.357G
85	5.407G	86	5.668G	87	5.456G	88	5.413G
89	5.293G	90	5.578G	91	5.608G	92	5.402G
93	5.406G	94	5.302G	95	5.529G	96	5.651G
97	5.482G	98	5.422G	99	5.437G	100	5.669G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.554G	2	5.530G	3	5.389G	4	5.465G
5	5.722G	6	5.461G	7	5.297G	8	5.642G
9	5.716G	10	5.432G	11	5.564G	12	5.384G
13	5.497G	14	5.276G	15	5.684G	16	5.606G
17	5.483G	18	5.718G	19	5.616G	20	5.538G
21	5.284G	22	5.316G	23	5.680G	24	5.672G
25	5.271G	26	5.399G	27	5.404G	28	5.598G
29	5.704G	30	5.421G	31	5.676G	32	5.571G
33	5.303G	34	5.382G	35	5.575G	36	5.666G
37	5.620G	38	5.698G	39	5.520G	40	5.329G
41	5.511G	42	5.551G	43	5.349G	44	5.430G
45	5.401G	46	5.327G	47	5.460G	48	5.444G
49	5.515G	50	5.545G	51	5.548G	52	5.370G
53	5.407G	54	5.412G	55	5.619G	56	5.588G
57	5.278G	58	5.260G	59	5.518G	60	5.487G
61	5.597G	62	5.474G	63	5.658G	64	5.413G
65	5.274G	66	5.472G	67	5.423G	68	5.252G
69	5.334G	70	5.335G	71	5.286G	72	5.393G
73	5.296G	74	5.466G	75	5.543G	76	5.403G
77	5.633G	78	5.280G	79	5.371G	80	5.347G
81	5.253G	82	5.610G	83	5.596G	84	5.627G
85	5.589G	86	5.701G	87	5.486G	88	5.585G
89	5.657G	90	5.283G	91	5.435G	92	5.668G
93	5.709G	94	5.691G	95	5.410G	96	5.353G
97	5.383G	98	5.635G	99	5.712G	100	5.405G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.644G	2	5.568G	3	5.373G	4	5.340G
5	5.383G	6	5.446G	7	5.427G	8	5.511G
9	5.639G	10	5.292G	11	5.310G	12	5.258G
13	5.428G	14	5.462G	15	5.647G	16	5.290G
17	5.645G	18	5.384G	19	5.468G	20	5.441G
21	5.389G	22	5.285G	23	5.466G	24	5.654G
25	5.354G	26	5.371G	27	5.510G	28	5.475G
29	5.699G	30	5.435G	31	5.449G	32	5.370G
33	5.616G	34	5.666G	35	5.692G	36	5.684G
37	5.481G	38	5.536G	39	5.456G	40	5.717G
41	5.657G	42	5.364G	43	5.628G	44	5.270G
45	5.398G	46	5.454G	47	5.553G	48	5.409G
49	5.343G	50	5.281G	51	5.535G	52	5.584G
53	5.274G	54	5.526G	55	5.333G	56	5.299G
57	5.679G	58	5.538G	59	5.629G	60	5.355G
61	5.251G	62	5.593G	63	5.408G	64	5.314G
65	5.655G	66	5.498G	67	5.722G	68	5.444G
69	5.664G	70	5.670G	71	5.361G	72	5.533G
73	5.514G	74	5.467G	75	5.618G	76	5.488G
77	5.471G	78	5.669G	79	5.614G	80	5.675G
81	5.720G	82	5.372G	83	5.347G	84	5.300G
85	5.474G	86	5.610G	87	5.532G	88	5.562G
89	5.369G	90	5.252G	91	5.341G	92	5.697G
93	5.577G	94	5.496G	95	5.574G	96	5.659G
97	5.378G	98	5.525G	99	5.708G	100	5.289G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.632G	2	5.598G	3	5.461G	4	5.298G
5	5.557G	6	5.606G	7	5.337G	8	5.278G
9	5.676G	10	5.629G	11	5.724G	12	5.322G
13	5.289G	14	5.318G	15	5.445G	16	5.567G
17	5.455G	18	5.279G	19	5.703G	20	5.380G
21	5.381G	22	5.620G	23	5.564G	24	5.505G
25	5.369G	26	5.655G	27	5.341G	28	5.371G
29	5.690G	30	5.391G	31	5.342G	32	5.440G
33	5.720G	34	5.476G	35	5.428G	36	5.599G
37	5.296G	38	5.441G	39	5.429G	40	5.389G
41	5.695G	42	5.314G	43	5.497G	44	5.288G
45	5.307G	46	5.456G	47	5.713G	48	5.527G
49	5.320G	50	5.653G	51	5.338G	52	5.294G
53	5.512G	54	5.352G	55	5.626G	56	5.293G
57	5.617G	58	5.648G	59	5.395G	60	5.265G
61	5.460G	62	5.435G	63	5.361G	64	5.269G
65	5.609G	66	5.536G	67	5.402G	68	5.531G
69	5.633G	70	5.457G	71	5.470G	72	5.474G
73	5.715G	74	5.510G	75	5.696G	76	5.272G
77	5.420G	78	5.623G	79	5.545G	80	5.658G
81	5.607G	82	5.541G	83	5.705G	84	5.301G
85	5.313G	86	5.499G	87	5.537G	88	5.384G
89	5.351G	90	5.290G	91	5.697G	92	5.405G
93	5.485G	94	5.390G	95	5.306G	96	5.513G
97	5.573G	98	5.644G	99	5.327G	100	5.569G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.498G	2	5.438G	3	5.701G	4	5.532G
5	5.324G	6	5.518G	7	5.397G	8	5.413G
9	5.629G	10	5.282G	11	5.298G	12	5.533G
13	5.562G	14	5.631G	15	5.554G	16	5.639G
17	5.404G	18	5.653G	19	5.305G	20	5.266G
21	5.407G	22	5.599G	23	5.632G	24	5.690G
25	5.699G	26	5.418G	27	5.703G	28	5.362G
29	5.716G	30	5.692G	31	5.525G	32	5.497G
33	5.667G	34	5.315G	35	5.651G	36	5.275G
37	5.709G	38	5.685G	39	5.626G	40	5.378G
41	5.365G	42	5.548G	43	5.265G	44	5.520G
45	5.385G	46	5.343G	47	5.354G	48	5.323G
49	5.427G	50	5.318G	51	5.320G	52	5.283G
53	5.529G	54	5.592G	55	5.446G	56	5.422G
57	5.430G	58	5.261G	59	5.623G	60	5.502G
61	5.657G	62	5.662G	63	5.618G	64	5.588G
65	5.260G	66	5.516G	67	5.648G	68	5.715G
69	5.693G	70	5.524G	71	5.420G	72	5.641G
73	5.256G	74	5.329G	75	5.384G	76	5.379G
77	5.503G	78	5.462G	79	5.335G	80	5.577G
81	5.568G	82	5.575G	83	5.250G	84	5.705G
85	5.390G	86	5.344G	87	5.355G	88	5.634G
89	5.288G	90	5.661G	91	5.428G	92	5.512G
93	5.593G	94	5.457G	95	5.431G	96	5.511G
97	5.565G	98	5.609G	99	5.409G	100	5.678G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.724G	2	5.584G	3	5.542G	4	5.692G
5	5.650G	6	5.275G	7	5.439G	8	5.449G
9	5.303G	10	5.335G	11	5.339G	12	5.540G
13	5.652G	14	5.594G	15	5.574G	16	5.577G
17	5.263G	18	5.470G	19	5.666G	20	5.522G
21	5.610G	22	5.550G	23	5.417G	24	5.720G
25	5.686G	26	5.427G	27	5.503G	28	5.268G
29	5.393G	30	5.269G	31	5.664G	32	5.535G
33	5.456G	34	5.696G	35	5.252G	36	5.451G
37	5.464G	38	5.329G	39	5.450G	40	5.313G
41	5.378G	42	5.288G	43	5.300G	44	5.660G
45	5.717G	46	5.278G	47	5.694G	48	5.482G
49	5.260G	50	5.709G	51	5.265G	52	5.301G
53	5.590G	54	5.391G	55	5.716G	56	5.622G
57	5.501G	58	5.253G	59	5.511G	60	5.428G
61	5.487G	62	5.546G	63	5.466G	64	5.513G
65	5.312G	66	5.295G	67	5.680G	68	5.675G
69	5.582G	70	5.392G	71	5.317G	72	5.491G
73	5.552G	74	5.655G	75	5.409G	76	5.308G
77	5.490G	78	5.412G	79	5.579G	80	5.654G
81	5.516G	82	5.273G	83	5.281G	84	5.494G
85	5.479G	86	5.304G	87	5.271G	88	5.458G
89	5.294G	90	5.411G	91	5.447G	92	5.639G
93	5.642G	94	5.700G	95	5.580G	96	5.376G
97	5.670G	98	5.357G	99	5.442G	100	5.661G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.690G	2	5.632G	3	5.722G	4	5.452G
5	5.384G	6	5.651G	7	5.676G	8	5.673G
9	5.354G	10	5.696G	11	5.613G	12	5.612G
13	5.284G	14	5.396G	15	5.540G	16	5.516G
17	5.453G	18	5.561G	19	5.388G	20	5.416G
21	5.419G	22	5.309G	23	5.377G	24	5.505G
25	5.325G	26	5.422G	27	5.410G	28	5.606G
29	5.646G	30	5.312G	31	5.491G	32	5.327G
33	5.369G	34	5.297G	35	5.578G	36	5.471G
37	5.502G	38	5.401G	39	5.299G	40	5.512G
41	5.601G	42	5.434G	43	5.510G	44	5.276G
45	5.636G	46	5.421G	47	5.489G	48	5.379G
49	5.466G	50	5.536G	51	5.298G	52	5.285G
53	5.398G	54	5.414G	55	5.518G	56	5.290G
57	5.663G	58	5.430G	59	5.548G	60	5.363G
61	5.658G	62	5.321G	63	5.509G	64	5.425G
65	5.718G	66	5.463G	67	5.255G	68	5.562G
69	5.465G	70	5.289G	71	5.531G	72	5.454G
73	5.620G	74	5.717G	75	5.569G	76	5.672G
77	5.481G	78	5.710G	79	5.288G	80	5.689G
81	5.461G	82	5.271G	83	5.340G	84	5.498G
85	5.418G	86	5.283G	87	5.660G	88	5.494G
89	5.392G	90	5.525G	91	5.560G	92	5.387G
93	5.684G	94	5.368G	95	5.265G	96	5.611G
97	5.699G	98	5.349G	99	5.712G	100	5.301G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.697G	2	5.310G	3	5.452G	4	5.376G
5	5.618G	6	5.689G	7	5.620G	8	5.477G
9	5.503G	10	5.433G	11	5.427G	12	5.512G
13	5.442G	14	5.490G	15	5.526G	16	5.344G
17	5.254G	18	5.515G	19	5.695G	20	5.411G
21	5.572G	22	5.354G	23	5.534G	24	5.541G
25	5.303G	26	5.673G	27	5.491G	28	5.255G
29	5.706G	30	5.369G	31	5.544G	32	5.289G
33	5.545G	34	5.417G	35	5.647G	36	5.393G
37	5.372G	38	5.701G	39	5.650G	40	5.445G
41	5.478G	42	5.451G	43	5.387G	44	5.496G
45	5.486G	46	5.625G	47	5.461G	48	5.439G
49	5.341G	50	5.272G	51	5.633G	52	5.377G
53	5.597G	54	5.521G	55	5.438G	56	5.499G
57	5.629G	58	5.559G	59	5.260G	60	5.615G
61	5.453G	62	5.391G	63	5.408G	64	5.655G
65	5.424G	66	5.356G	67	5.594G	68	5.463G
69	5.316G	70	5.406G	71	5.470G	72	5.696G
73	5.348G	74	5.716G	75	5.571G	76	5.345G
77	5.468G	78	5.395G	79	5.576G	80	5.717G
81	5.328G	82	5.551G	83	5.518G	84	5.298G
85	5.687G	86	5.347G	87	5.291G	88	5.653G
89	5.567G	90	5.676G	91	5.495G	92	5.277G
93	5.587G	94	5.435G	95	5.414G	96	5.693G
97	5.539G	98	5.563G	99	5.549G	100	5.420G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.491G	2	5.250G	3	5.486G	4	5.718G
5	5.391G	6	5.645G	7	5.643G	8	5.572G
9	5.421G	10	5.635G	11	5.446G	12	5.632G
13	5.283G	14	5.512G	15	5.401G	16	5.650G
17	5.373G	18	5.378G	19	5.288G	20	5.366G
21	5.292G	22	5.393G	23	5.588G	24	5.445G
25	5.412G	26	5.576G	27	5.672G	28	5.495G
29	5.358G	30	5.490G	31	5.462G	32	5.686G
33	5.340G	34	5.569G	35	5.538G	36	5.684G
37	5.644G	38	5.484G	39	5.420G	40	5.617G
41	5.295G	42	5.652G	43	5.397G	44	5.380G
45	5.448G	46	5.629G	47	5.450G	48	5.403G
49	5.613G	50	5.669G	51	5.469G	52	5.568G
53	5.377G	54	5.598G	55	5.659G	56	5.411G
57	5.374G	58	5.692G	59	5.544G	60	5.254G
61	5.253G	62	5.560G	63	5.620G	64	5.609G
65	5.580G	66	5.710G	67	5.405G	68	5.531G
69	5.722G	70	5.282G	71	5.294G	72	5.651G
73	5.308G	74	5.435G	75	5.628G	76	5.311G
77	5.549G	78	5.410G	79	5.266G	80	5.313G
81	5.285G	82	5.387G	83	5.648G	84	5.661G
85	5.449G	86	5.611G	87	5.257G	88	5.458G
89	5.506G	90	5.390G	91	5.631G	92	5.258G
93	5.683G	94	5.314G	95	5.713G	96	5.400G
97	5.615G	98	5.590G	99	5.539G	100	5.566G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.615G	2	5.338G	3	5.687G	4	5.632G
5	5.710G	6	5.702G	7	5.719G	8	5.581G
9	5.497G	10	5.607G	11	5.291G	12	5.259G
13	5.481G	14	5.311G	15	5.255G	16	5.525G
17	5.601G	18	5.468G	19	5.307G	20	5.552G
21	5.606G	22	5.395G	23	5.389G	24	5.614G
25	5.284G	26	5.486G	27	5.408G	28	5.366G
29	5.584G	30	5.421G	31	5.342G	32	5.562G
33	5.459G	34	5.470G	35	5.684G	36	5.649G
37	5.427G	38	5.436G	39	5.669G	40	5.474G
41	5.377G	42	5.534G	43	5.302G	44	5.489G
45	5.686G	46	5.337G	47	5.707G	48	5.575G
49	5.272G	50	5.636G	51	5.485G	52	5.488G
53	5.682G	54	5.476G	55	5.501G	56	5.661G
57	5.252G	58	5.516G	59	5.314G	60	5.369G
61	5.278G	62	5.345G	63	5.673G	64	5.406G
65	5.499G	66	5.419G	67	5.397G	68	5.407G
69	5.443G	70	5.506G	71	5.475G	72	5.450G
73	5.260G	74	5.678G	75	5.430G	76	5.381G
77	5.639G	78	5.629G	79	5.410G	80	5.537G
81	5.376G	82	5.315G	83	5.404G	84	5.439G
85	5.605G	86	5.664G	87	5.390G	88	5.360G
89	5.697G	90	5.373G	91	5.435G	92	5.645G
93	5.658G	94	5.542G	95	5.361G	96	5.659G
97	5.679G	98	5.303G	99	5.469G	100	5.510G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.539G	2	5.433G	3	5.430G	4	5.466G
5	5.586G	6	5.321G	7	5.688G	8	5.682G
9	5.402G	10	5.699G	11	5.451G	12	5.330G
13	5.465G	14	5.456G	15	5.471G	16	5.444G
17	5.425G	18	5.366G	19	5.284G	20	5.592G
21	5.532G	22	5.499G	23	5.252G	24	5.313G
25	5.274G	26	5.450G	27	5.500G	28	5.501G
29	5.254G	30	5.556G	31	5.711G	32	5.580G
33	5.396G	34	5.461G	35	5.479G	36	5.317G
37	5.674G	38	5.438G	39	5.503G	40	5.403G
41	5.598G	42	5.675G	43	5.686G	44	5.685G
45	5.382G	46	5.647G	47	5.320G	48	5.563G
49	5.327G	50	5.417G	51	5.488G	52	5.316G
53	5.577G	54	5.557G	55	5.719G	56	5.695G
57	5.411G	58	5.693G	59	5.692G	60	5.703G
61	5.302G	62	5.415G	63	5.666G	64	5.409G
65	5.250G	66	5.350G	67	5.304G	68	5.544G
69	5.588G	70	5.303G	71	5.595G	72	5.268G
73	5.359G	74	5.419G	75	5.585G	76	5.372G
77	5.542G	78	5.524G	79	5.713G	80	5.491G
81	5.352G	82	5.279G	83	5.259G	84	5.312G
85	5.724G	86	5.275G	87	5.552G	88	5.690G
89	5.253G	90	5.559G	91	5.654G	92	5.474G
93	5.599G	94	5.371G	95	5.550G	96	5.384G
97	5.463G	98	5.362G	99	5.427G	100	5.298G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.414G	2	5.681G	3	5.546G	4	5.345G
5	5.435G	6	5.643G	7	5.379G	8	5.445G
9	5.644G	10	5.535G	11	5.552G	12	5.424G
13	5.364G	14	5.497G	15	5.699G	16	5.706G
17	5.260G	18	5.651G	19	5.581G	20	5.313G
21	5.637G	22	5.553G	23	5.558G	24	5.338G
25	5.506G	26	5.617G	27	5.382G	28	5.600G
29	5.591G	30	5.383G	31	5.663G	32	5.717G
33	5.385G	34	5.346G	35	5.288G	36	5.439G
37	5.690G	38	5.566G	39	5.539G	40	5.310G
41	5.278G	42	5.455G	43	5.704G	44	5.410G
45	5.342G	46	5.588G	47	5.540G	48	5.513G
49	5.505G	50	5.252G	51	5.510G	52	5.466G
53	5.430G	54	5.298G	55	5.572G	56	5.423G
57	5.560G	58	5.586G	59	5.638G	60	5.674G
61	5.703G	62	5.289G	63	5.620G	64	5.314G
65	5.306G	66	5.281G	67	5.277G	68	5.639G
69	5.668G	70	5.512G	71	5.300G	72	5.416G
73	5.457G	74	5.688G	75	5.496G	76	5.544G
77	5.550G	78	5.719G	79	5.334G	80	5.396G
81	5.720G	82	5.590G	83	5.358G	84	5.693G
85	5.696G	86	5.349G	87	5.400G	88	5.389G
89	5.261G	90	5.456G	91	5.568G	92	5.384G
93	5.330G	94	5.499G	95	5.676G	96	5.415G
97	5.673G	98	5.491G	99	5.391G	100	5.707G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.370G	2	5.418G	3	5.341G	4	5.623G
5	5.668G	6	5.449G	7	5.589G	8	5.309G
9	5.402G	10	5.374G	11	5.364G	12	5.600G
13	5.421G	14	5.439G	15	5.548G	16	5.474G
17	5.542G	18	5.635G	19	5.636G	20	5.279G
21	5.579G	22	5.712G	23	5.379G	24	5.703G
25	5.337G	26	5.724G	27	5.641G	28	5.629G
29	5.324G	30	5.333G	31	5.544G	32	5.488G
33	5.487G	34	5.652G	35	5.568G	36	5.521G
37	5.477G	38	5.395G	39	5.435G	40	5.611G
41	5.268G	42	5.539G	43	5.655G	44	5.676G
45	5.280G	46	5.598G	47	5.470G	48	5.696G
49	5.299G	50	5.415G	51	5.343G	52	5.384G
53	5.311G	54	5.284G	55	5.679G	56	5.378G
57	5.390G	58	5.494G	59	5.699G	60	5.586G
61	5.650G	62	5.381G	63	5.556G	64	5.503G
65	5.686G	66	5.476G	67	5.452G	68	5.609G
69	5.546G	70	5.382G	71	5.371G	72	5.527G
73	5.303G	74	5.573G	75	5.347G	76	5.260G
77	5.269G	78	5.619G	79	5.404G	80	5.282G
81	5.320G	82	5.329G	83	5.610G	84	5.519G
85	5.403G	86	5.547G	87	5.485G	88	5.680G
89	5.367G	90	5.614G	91	5.717G	92	5.362G
93	5.302G	94	5.501G	95	5.420G	96	5.465G
97	5.396G	98	5.286G	99	5.306G	100	5.645G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.680G	2	5.451G	3	5.612G	4	5.299G
5	5.701G	6	5.430G	7	5.722G	8	5.442G
9	5.321G	10	5.431G	11	5.541G	12	5.269G
13	5.371G	14	5.396G	15	5.674G	16	5.526G
17	5.699G	18	5.267G	19	5.687G	20	5.265G
21	5.702G	22	5.547G	23	5.675G	24	5.575G
25	5.624G	26	5.596G	27	5.480G	28	5.278G
29	5.406G	30	5.517G	31	5.398G	32	5.577G
33	5.721G	34	5.703G	35	5.411G	36	5.300G
37	5.641G	38	5.686G	39	5.352G	40	5.416G
41	5.593G	42	5.716G	43	5.441G	44	5.497G
45	5.539G	46	5.658G	47	5.450G	48	5.610G
49	5.468G	50	5.542G	51	5.633G	52	5.342G
53	5.529G	54	5.597G	55	5.317G	56	5.375G
57	5.505G	58	5.659G	59	5.393G	60	5.487G
61	5.654G	62	5.368G	63	5.390G	64	5.408G
65	5.365G	66	5.338G	67	5.277G	68	5.422G
69	5.353G	70	5.639G	71	5.520G	72	5.599G
73	5.470G	74	5.704G	75	5.271G	76	5.695G
77	5.523G	78	5.330G	79	5.434G	80	5.617G
81	5.329G	82	5.260G	83	5.494G	84	5.483G
85	5.510G	86	5.481G	87	5.251G	88	5.574G
89	5.458G	90	5.407G	91	5.651G	92	5.486G
93	5.555G	94	5.333G	95	5.341G	96	5.349G
97	5.315G	98	5.484G	99	5.519G	100	5.455G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.459G	2	5.587G	3	5.595G	4	5.643G
5	5.510G	6	5.403G	7	5.549G	8	5.619G
9	5.476G	10	5.284G	11	5.384G	12	5.527G
13	5.339G	14	5.554G	15	5.660G	16	5.658G
17	5.416G	18	5.456G	19	5.253G	20	5.646G
21	5.252G	22	5.340G	23	5.337G	24	5.580G
25	5.264G	26	5.388G	27	5.285G	28	5.661G
29	5.445G	30	5.334G	31	5.520G	32	5.307G
33	5.504G	34	5.381G	35	5.636G	36	5.559G
37	5.666G	38	5.523G	39	5.365G	40	5.267G
41	5.623G	42	5.495G	43	5.497G	44	5.443G
45	5.591G	46	5.407G	47	5.410G	48	5.353G
49	5.479G	50	5.322G	51	5.347G	52	5.563G
53	5.457G	54	5.697G	55	5.522G	56	5.524G
57	5.275G	58	5.707G	59	5.398G	60	5.699G
61	5.513G	62	5.704G	63	5.397G	64	5.391G
65	5.405G	66	5.503G	67	5.517G	68	5.691G
69	5.309G	70	5.281G	71	5.446G	72	5.345G
73	5.596G	74	5.629G	75	5.578G	76	5.390G
77	5.583G	78	5.594G	79	5.452G	80	5.305G
81	5.557G	82	5.715G	83	5.436G	84	5.280G
85	5.261G	86	5.262G	87	5.399G	88	5.325G
89	5.606G	90	5.494G	91	5.656G	92	5.306G
93	5.383G	94	5.401G	95	5.684G	96	5.528G
97	5.535G	98	5.710G	99	5.296G	100	5.328G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.562G	2	5.382G	3	5.599G	4	5.385G
5	5.362G	6	5.485G	7	5.442G	8	5.265G
9	5.305G	10	5.376G	11	5.502G	12	5.455G
13	5.626G	14	5.489G	15	5.459G	16	5.711G
17	5.700G	18	5.498G	19	5.260G	20	5.387G
21	5.361G	22	5.480G	23	5.601G	24	5.687G
25	5.665G	26	5.607G	27	5.415G	28	5.642G
29	5.574G	30	5.620G	31	5.652G	32	5.541G
33	5.603G	34	5.692G	35	5.598G	36	5.318G
37	5.297G	38	5.477G	39	5.468G	40	5.538G
41	5.422G	42	5.352G	43	5.491G	44	5.666G
45	5.264G	46	5.470G	47	5.577G	48	5.488G
49	5.551G	50	5.527G	51	5.651G	52	5.716G
53	5.327G	54	5.416G	55	5.257G	56	5.347G
57	5.399G	58	5.560G	59	5.686G	60	5.393G
61	5.345G	62	5.684G	63	5.701G	64	5.375G
65	5.325G	66	5.417G	67	5.359G	68	5.296G
69	5.326G	70	5.394G	71	5.628G	72	5.673G
73	5.497G	74	5.303G	75	5.685G	76	5.624G
77	5.405G	78	5.723G	79	5.563G	80	5.629G
81	5.597G	82	5.281G	83	5.255G	84	5.334G
85	5.539G	86	5.400G	87	5.612G	88	5.467G
89	5.584G	90	5.410G	91	5.420G	92	5.706G
93	5.579G	94	5.358G	95	5.320G	96	5.253G
97	5.610G	98	5.379G	99	5.390G	100	5.423G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.683G	2	5.607G	3	5.682G	4	5.692G
5	5.378G	6	5.439G	7	5.500G	8	5.656G
9	5.255G	10	5.489G	11	5.625G	12	5.444G
13	5.340G	14	5.514G	15	5.462G	16	5.299G
17	5.343G	18	5.704G	19	5.382G	20	5.537G
21	5.294G	22	5.276G	23	5.425G	24	5.306G
25	5.701G	26	5.510G	27	5.670G	28	5.476G
29	5.412G	30	5.336G	31	5.296G	32	5.458G
33	5.349G	34	5.332G	35	5.560G	36	5.614G
37	5.348G	38	5.712G	39	5.455G	40	5.450G
41	5.337G	42	5.407G	43	5.270G	44	5.442G
45	5.397G	46	5.285G	47	5.648G	48	5.651G
49	5.469G	50	5.477G	51	5.666G	52	5.327G
53	5.351G	54	5.498G	55	5.387G	56	5.358G
57	5.342G	58	5.308G	59	5.329G	60	5.566G
61	5.524G	62	5.581G	63	5.526G	64	5.695G
65	5.598G	66	5.641G	67	5.289G	68	5.460G
69	5.384G	70	5.576G	71	5.629G	72	5.534G
73	5.541G	74	5.313G	75	5.409G	76	5.611G
77	5.676G	78	5.374G	79	5.604G	80	5.259G
81	5.700G	82	5.664G	83	5.569G	84	5.395G
85	5.720G	86	5.456G	87	5.497G	88	5.574G
89	5.565G	90	5.398G	91	5.302G	92	5.303G
93	5.293G	94	5.449G	95	5.464G	96	5.420G
97	5.677G	98	5.557G	99	5.621G	100	5.339G



A D T

Hopping Frequency Sequence Name: LGA_HOP_A_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.327G	2	5.341G	3	5.470G	4	5.504G
5	5.317G	6	5.252G	7	5.253G	8	5.585G
9	5.572G	10	5.514G	11	5.694G	12	5.553G
13	5.545G	14	5.443G	15	5.563G	16	5.569G
17	5.357G	18	5.263G	19	5.689G	20	5.562G
21	5.483G	22	5.490G	23	5.660G	24	5.273G
25	5.406G	26	5.544G	27	5.442G	28	5.288G
29	5.283G	30	5.549G	31	5.523G	32	5.320G
33	5.401G	34	5.716G	35	5.713G	36	5.432G
37	5.358G	38	5.652G	39	5.409G	40	5.447G
41	5.324G	42	5.466G	43	5.332G	44	5.383G
45	5.516G	46	5.646G	47	5.262G	48	5.456G
49	5.333G	50	5.457G	51	5.574G	52	5.281G
53	5.375G	54	5.347G	55	5.529G	56	5.568G
57	5.515G	58	5.518G	59	5.621G	60	5.590G
61	5.267G	62	5.555G	63	5.663G	64	5.437G
65	5.298G	66	5.361G	67	5.668G	68	5.524G
69	5.627G	70	5.399G	71	5.349G	72	5.343G
73	5.468G	74	5.600G	75	5.424G	76	5.494G
77	5.316G	78	5.537G	79	5.551G	80	5.697G
81	5.461G	82	5.269G	83	5.614G	84	5.599G
85	5.582G	86	5.331G	87	5.655G	88	5.338G
89	5.703G	90	5.377G	91	5.550G	92	5.404G
93	5.702G	94	5.633G	95	5.446G	96	5.641G
97	5.388G	98	5.671G	99	5.439G	100	5.664G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.671G	2	5.709G	3	5.388G	4	5.340G
5	5.392G	6	5.698G	7	5.692G	8	5.423G
9	5.635G	10	5.452G	11	5.688G	12	5.445G
13	5.372G	14	5.679G	15	5.403G	16	5.418G
17	5.681G	18	5.307G	19	5.614G	20	5.660G
21	5.529G	22	5.612G	23	5.605G	24	5.371G
25	5.572G	26	5.394G	27	5.505G	28	5.318G
29	5.563G	30	5.283G	31	5.630G	32	5.686G
33	5.261G	34	5.481G	35	5.334G	36	5.665G
37	5.281G	38	5.404G	39	5.719G	40	5.694G
41	5.365G	42	5.351G	43	5.474G	44	5.586G
45	5.255G	46	5.459G	47	5.302G	48	5.494G
49	5.319G	50	5.317G	51	5.651G	52	5.483G
53	5.443G	54	5.258G	55	5.570G	56	5.386G
57	5.425G	58	5.280G	59	5.595G	60	5.368G
61	5.333G	62	5.381G	63	5.486G	64	5.674G
65	5.680G	66	5.649G	67	5.613G	68	5.579G
69	5.272G	70	5.533G	71	5.523G	72	5.286G
73	5.499G	74	5.551G	75	5.526G	76	5.696G
77	5.562G	78	5.657G	79	5.376G	80	5.306G
81	5.383G	82	5.327G	83	5.565G	84	5.375G
85	5.666G	86	5.668G	87	5.717G	88	5.294G
89	5.429G	90	5.446G	91	5.421G	92	5.495G
93	5.362G	94	5.435G	95	5.401G	96	5.477G
97	5.296G	98	5.427G	99	5.646G	100	5.626G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.673G	2	5.268G	3	5.491G	4	5.342G
5	5.613G	6	5.555G	7	5.441G	8	5.547G
9	5.446G	10	5.596G	11	5.350G	12	5.297G
13	5.666G	14	5.650G	15	5.662G	16	5.576G
17	5.639G	18	5.534G	19	5.694G	20	5.718G
21	5.592G	22	5.286G	23	5.616G	24	5.448G
25	5.656G	26	5.558G	27	5.319G	28	5.510G
29	5.250G	30	5.597G	31	5.575G	32	5.682G
33	5.282G	34	5.467G	35	5.476G	36	5.442G
37	5.468G	38	5.644G	39	5.323G	40	5.542G
41	5.411G	42	5.449G	43	5.515G	44	5.553G
45	5.570G	46	5.535G	47	5.563G	48	5.720G
49	5.482G	50	5.586G	51	5.256G	52	5.567G
53	5.421G	54	5.581G	55	5.318G	56	5.685G
57	5.414G	58	5.629G	59	5.523G	60	5.696G
61	5.338G	62	5.343G	63	5.712G	64	5.645G
65	5.379G	66	5.299G	67	5.300G	68	5.336G
69	5.372G	70	5.500G	71	5.477G	72	5.549G
73	5.408G	74	5.305G	75	5.306G	76	5.619G
77	5.637G	78	5.258G	79	5.386G	80	5.331G
81	5.419G	82	5.641G	83	5.368G	84	5.313G
85	5.532G	86	5.474G	87	5.622G	88	5.638G
89	5.337G	90	5.604G	91	5.588G	92	5.353G
93	5.614G	94	5.719G	95	5.545G	96	5.389G
97	5.526G	98	5.517G	99	5.260G	100	5.392G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.342G	2	5.668G	3	5.416G	4	5.681G
5	5.617G	6	5.585G	7	5.560G	8	5.449G
9	5.627G	10	5.442G	11	5.458G	12	5.578G
13	5.404G	14	5.680G	15	5.383G	16	5.545G
17	5.472G	18	5.462G	19	5.711G	20	5.453G
21	5.370G	22	5.724G	23	5.679G	24	5.591G
25	5.291G	26	5.422G	27	5.701G	28	5.626G
29	5.529G	30	5.650G	31	5.657G	32	5.625G
33	5.661G	34	5.672G	35	5.302G	36	5.293G
37	5.421G	38	5.488G	39	5.313G	40	5.401G
41	5.281G	42	5.592G	43	5.267G	44	5.384G
45	5.577G	46	5.533G	47	5.476G	48	5.352G
49	5.464G	50	5.528G	51	5.665G	52	5.368G
53	5.609G	54	5.522G	55	5.327G	56	5.604G
57	5.548G	58	5.359G	59	5.389G	60	5.287G
61	5.301G	62	5.275G	63	5.540G	64	5.542G
65	5.550G	66	5.584G	67	5.482G	68	5.430G
69	5.410G	70	5.315G	71	5.394G	72	5.465G
73	5.586G	74	5.656G	75	5.613G	76	5.659G
77	5.390G	78	5.273G	79	5.512G	80	5.695G
81	5.685G	82	5.496G	83	5.289G	84	5.413G
85	5.457G	86	5.499G	87	5.400G	88	5.307G
89	5.354G	90	5.637G	91	5.428G	92	5.474G
93	5.564G	94	5.708G	95	5.270G	96	5.640G
97	5.624G	98	5.300G	99	5.444G	100	5.537G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.594G	2	5.611G	3	5.461G	4	5.427G
5	5.625G	6	5.561G	7	5.564G	8	5.609G
9	5.613G	10	5.607G	11	5.667G	12	5.619G
13	5.532G	14	5.559G	15	5.675G	16	5.426G
17	5.351G	18	5.617G	19	5.549G	20	5.529G
21	5.640G	22	5.716G	23	5.599G	24	5.447G
25	5.696G	26	5.720G	27	5.575G	28	5.450G
29	5.489G	30	5.665G	31	5.557G	32	5.324G
33	5.396G	34	5.666G	35	5.583G	36	5.309G
37	5.541G	38	5.293G	39	5.660G	40	5.678G
41	5.484G	42	5.699G	43	5.503G	44	5.606G
45	5.397G	46	5.534G	47	5.663G	48	5.723G
49	5.548G	50	5.454G	51	5.563G	52	5.256G
53	5.692G	54	5.311G	55	5.481G	56	5.650G
57	5.289G	58	5.474G	59	5.472G	60	5.514G
61	5.612G	62	5.674G	63	5.428G	64	5.689G
65	5.456G	66	5.338G	67	5.717G	68	5.422G
69	5.490G	70	5.659G	71	5.366G	72	5.590G
73	5.339G	74	5.600G	75	5.702G	76	5.632G
77	5.274G	78	5.417G	79	5.251G	80	5.280G
81	5.649G	82	5.318G	83	5.348G	84	5.443G
85	5.260G	86	5.276G	87	5.724G	88	5.495G
89	5.323G	90	5.378G	91	5.595G	92	5.389G
93	5.436G	94	5.383G	95	5.539G	96	5.586G
97	5.688G	98	5.722G	99	5.357G	100	5.412G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.655G	2	5.301G	3	5.333G	4	5.620G
5	5.681G	6	5.662G	7	5.522G	8	5.488G
9	5.394G	10	5.640G	11	5.545G	12	5.365G
13	5.523G	14	5.602G	15	5.517G	16	5.444G
17	5.553G	18	5.554G	19	5.465G	20	5.316G
21	5.622G	22	5.688G	23	5.560G	24	5.363G
25	5.574G	26	5.693G	27	5.354G	28	5.503G
29	5.396G	30	5.389G	31	5.361G	32	5.667G
33	5.483G	34	5.451G	35	5.648G	36	5.582G
37	5.291G	38	5.663G	39	5.513G	40	5.321G
41	5.463G	42	5.443G	43	5.658G	44	5.428G
45	5.691G	46	5.282G	47	5.429G	48	5.713G
49	5.606G	50	5.539G	51	5.410G	52	5.411G
53	5.512G	54	5.538G	55	5.278G	56	5.381G
57	5.712G	58	5.718G	59	5.618G	60	5.628G
61	5.479G	62	5.621G	63	5.665G	64	5.589G
65	5.555G	66	5.709G	67	5.619G	68	5.578G
69	5.420G	70	5.527G	71	5.393G	72	5.502G
73	5.466G	74	5.473G	75	5.647G	76	5.501G
77	5.377G	78	5.670G	79	5.338G	80	5.397G
81	5.431G	82	5.311G	83	5.509G	84	5.557G
85	5.305G	86	5.325G	87	5.511G	88	5.660G
89	5.373G	90	5.653G	91	5.566G	92	5.273G
93	5.383G	94	5.289G	95	5.385G	96	5.254G
97	5.367G	98	5.266G	99	5.494G	100	5.594G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.672G	2	5.638G	3	5.437G	4	5.526G
5	5.650G	6	5.364G	7	5.390G	8	5.676G
9	5.280G	10	5.563G	11	5.643G	12	5.624G
13	5.421G	14	5.530G	15	5.683G	16	5.391G
17	5.480G	18	5.629G	19	5.596G	20	5.555G
21	5.604G	22	5.505G	23	5.593G	24	5.345G
25	5.510G	26	5.534G	27	5.607G	28	5.278G
29	5.404G	30	5.285G	31	5.713G	32	5.393G
33	5.566G	34	5.668G	35	5.612G	36	5.701G
37	5.525G	38	5.686G	39	5.397G	40	5.501G
41	5.452G	42	5.511G	43	5.497G	44	5.718G
45	5.328G	46	5.386G	47	5.381G	48	5.468G
49	5.442G	50	5.601G	51	5.460G	52	5.252G
53	5.567G	54	5.711G	55	5.587G	56	5.636G
57	5.523G	58	5.288G	59	5.409G	60	5.509G
61	5.520G	62	5.433G	63	5.594G	64	5.583G
65	5.320G	66	5.272G	67	5.570G	68	5.626G
69	5.283G	70	5.369G	71	5.721G	72	5.380G
73	5.408G	74	5.384G	75	5.351G	76	5.467G
77	5.435G	78	5.669G	79	5.522G	80	5.495G
81	5.471G	82	5.579G	83	5.439G	84	5.615G
85	5.394G	86	5.377G	87	5.379G	88	5.287G
89	5.417G	90	5.631G	91	5.317G	92	5.705G
93	5.549G	94	5.644G	95	5.663G	96	5.254G
97	5.298G	98	5.398G	99	5.275G	100	5.684G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.290G	2	5.384G	3	5.326G	4	5.723G
5	5.359G	6	5.552G	7	5.673G	8	5.362G
9	5.401G	10	5.624G	11	5.516G	12	5.476G
13	5.289G	14	5.546G	15	5.511G	16	5.380G
17	5.360G	18	5.633G	19	5.449G	20	5.485G
21	5.341G	22	5.610G	23	5.270G	24	5.498G
25	5.682G	26	5.415G	27	5.601G	28	5.651G
29	5.614G	30	5.708G	31	5.530G	32	5.529G
33	5.640G	34	5.642G	35	5.636G	36	5.554G
37	5.665G	38	5.626G	39	5.570G	40	5.438G
41	5.563G	42	5.282G	43	5.719G	44	5.718G
45	5.426G	46	5.444G	47	5.625G	48	5.641G
49	5.720G	50	5.490G	51	5.265G	52	5.515G
53	5.276G	54	5.427G	55	5.465G	56	5.256G
57	5.448G	58	5.367G	59	5.545G	60	5.678G
61	5.348G	62	5.324G	63	5.388G	64	5.572G
65	5.454G	66	5.298G	67	5.579G	68	5.580G
69	5.332G	70	5.487G	71	5.311G	72	5.620G
73	5.451G	74	5.253G	75	5.491G	76	5.519G
77	5.693G	78	5.261G	79	5.403G	80	5.322G
81	5.396G	82	5.526G	83	5.482G	84	5.263G
85	5.587G	86	5.315G	87	5.460G	88	5.644G
89	5.474G	90	5.478G	91	5.433G	92	5.430G
93	5.564G	94	5.295G	95	5.390G	96	5.287G
97	5.262G	98	5.586G	99	5.281G	100	5.345G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.566G	2	5.395G	3	5.456G	4	5.344G
5	5.358G	6	5.310G	7	5.515G	8	5.670G
9	5.283G	10	5.253G	11	5.607G	12	5.610G
13	5.304G	14	5.685G	15	5.390G	16	5.374G
17	5.596G	18	5.312G	19	5.371G	20	5.434G
21	5.447G	22	5.718G	23	5.488G	24	5.321G
25	5.660G	26	5.694G	27	5.305G	28	5.595G
29	5.494G	30	5.545G	31	5.651G	32	5.349G
33	5.489G	34	5.331G	35	5.260G	36	5.636G
37	5.485G	38	5.500G	39	5.439G	40	5.654G
41	5.561G	42	5.578G	43	5.568G	44	5.621G
45	5.346G	46	5.422G	47	5.721G	48	5.597G
49	5.714G	50	5.474G	51	5.576G	52	5.309G
53	5.490G	54	5.615G	55	5.539G	56	5.582G
57	5.322G	58	5.518G	59	5.369G	60	5.613G
61	5.381G	62	5.584G	63	5.326G	64	5.680G
65	5.333G	66	5.611G	67	5.655G	68	5.589G
69	5.633G	70	5.352G	71	5.388G	72	5.683G
73	5.511G	74	5.517G	75	5.541G	76	5.443G
77	5.580G	78	5.356G	79	5.559G	80	5.451G
81	5.650G	82	5.599G	83	5.467G	84	5.431G
85	5.536G	86	5.339G	87	5.659G	88	5.583G
89	5.506G	90	5.271G	91	5.318G	92	5.530G
93	5.524G	94	5.652G	95	5.266G	96	5.538G
97	5.430G	98	5.558G	99	5.329G	100	5.560G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.379G	2	5.256G	3	5.684G	4	5.621G
5	5.649G	6	5.461G	7	5.499G	8	5.368G
9	5.497G	10	5.679G	11	5.614G	12	5.323G
13	5.371G	14	5.453G	15	5.669G	16	5.627G
17	5.479G	18	5.576G	19	5.668G	20	5.377G
21	5.486G	22	5.527G	23	5.319G	24	5.495G
25	5.408G	26	5.361G	27	5.692G	28	5.619G
29	5.402G	30	5.708G	31	5.472G	32	5.607G
33	5.304G	34	5.283G	35	5.404G	36	5.643G
37	5.594G	38	5.268G	39	5.334G	40	5.343G
41	5.624G	42	5.415G	43	5.398G	44	5.510G
45	5.577G	46	5.364G	47	5.297G	48	5.444G
49	5.333G	50	5.666G	51	5.563G	52	5.349G
53	5.331G	54	5.466G	55	5.292G	56	5.636G
57	5.691G	58	5.383G	59	5.365G	60	5.523G
61	5.302G	62	5.305G	63	5.557G	64	5.588G
65	5.278G	66	5.713G	67	5.380G	68	5.711G
69	5.581G	70	5.313G	71	5.545G	72	5.437G
73	5.700G	74	5.473G	75	5.548G	76	5.690G
77	5.585G	78	5.336G	79	5.506G	80	5.423G
81	5.544G	82	5.573G	83	5.675G	84	5.695G
85	5.696G	86	5.370G	87	5.387G	88	5.330G
89	5.266G	90	5.431G	91	5.460G	92	5.693G
93	5.502G	94	5.648G	95	5.676G	96	5.534G
97	5.519G	98	5.272G	99	5.719G	100	5.639G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.625G	2	5.523G	3	5.622G	4	5.393G
5	5.530G	6	5.256G	7	5.412G	8	5.513G
9	5.643G	10	5.704G	11	5.447G	12	5.431G
13	5.436G	14	5.328G	15	5.667G	16	5.329G
17	5.517G	18	5.620G	19	5.449G	20	5.476G
21	5.362G	22	5.408G	23	5.679G	24	5.604G
25	5.502G	26	5.636G	27	5.427G	28	5.647G
29	5.585G	30	5.716G	31	5.390G	32	5.543G
33	5.631G	34	5.315G	35	5.283G	36	5.439G
37	5.377G	38	5.433G	39	5.491G	40	5.386G
41	5.429G	42	5.378G	43	5.547G	44	5.461G
45	5.406G	46	5.514G	47	5.442G	48	5.598G
49	5.324G	50	5.595G	51	5.571G	52	5.341G
53	5.300G	54	5.385G	55	5.702G	56	5.654G
57	5.335G	58	5.434G	59	5.641G	60	5.310G
61	5.659G	62	5.542G	63	5.712G	64	5.687G
65	5.624G	66	5.586G	67	5.371G	68	5.563G
69	5.550G	70	5.648G	71	5.295G	72	5.533G
73	5.510G	74	5.546G	75	5.582G	76	5.562G
77	5.440G	78	5.306G	79	5.318G	80	5.263G
81	5.271G	82	5.455G	83	5.250G	84	5.456G
85	5.695G	86	5.644G	87	5.577G	88	5.495G
89	5.686G	90	5.303G	91	5.580G	92	5.466G
93	5.465G	94	5.544G	95	5.481G	96	5.258G
97	5.372G	98	5.708G	99	5.557G	100	5.347G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.335G	2	5.622G	3	5.302G	4	5.542G
5	5.645G	6	5.647G	7	5.494G	8	5.618G
9	5.438G	10	5.301G	11	5.491G	12	5.722G
13	5.300G	14	5.631G	15	5.603G	16	5.324G
17	5.613G	18	5.539G	19	5.616G	20	5.349G
21	5.386G	22	5.287G	23	5.551G	24	5.286G
25	5.401G	26	5.416G	27	5.707G	28	5.520G
29	5.481G	30	5.547G	31	5.419G	32	5.392G
33	5.475G	34	5.606G	35	5.593G	36	5.394G
37	5.369G	38	5.490G	39	5.657G	40	5.703G
41	5.634G	42	5.666G	43	5.254G	44	5.635G
45	5.472G	46	5.294G	47	5.450G	48	5.648G
49	5.488G	50	5.427G	51	5.624G	52	5.293G
53	5.673G	54	5.676G	55	5.544G	56	5.552G
57	5.680G	58	5.387G	59	5.575G	60	5.361G
61	5.424G	62	5.579G	63	5.482G	64	5.426G
65	5.380G	66	5.360G	67	5.299G	68	5.636G
69	5.691G	70	5.678G	71	5.352G	72	5.428G
73	5.467G	74	5.453G	75	5.563G	76	5.397G
77	5.310G	78	5.556G	79	5.514G	80	5.592G
81	5.608G	82	5.560G	83	5.562G	84	5.663G
85	5.646G	86	5.711G	87	5.439G	88	5.628G
89	5.684G	90	5.274G	91	5.724G	92	5.375G
93	5.396G	94	5.530G	95	5.373G	96	5.345G
97	5.483G	98	5.471G	99	5.441G	100	5.632G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.533G	2	5.517G	3	5.623G	4	5.601G
5	5.719G	6	5.366G	7	5.666G	8	5.636G
9	5.310G	10	5.673G	11	5.403G	12	5.475G
13	5.671G	14	5.262G	15	5.386G	16	5.281G
17	5.319G	18	5.643G	19	5.409G	20	5.545G
21	5.269G	22	5.392G	23	5.618G	24	5.690G
25	5.250G	26	5.261G	27	5.609G	28	5.465G
29	5.638G	30	5.645G	31	5.528G	32	5.448G
33	5.361G	34	5.452G	35	5.377G	36	5.598G
37	5.597G	38	5.721G	39	5.662G	40	5.612G
41	5.685G	42	5.264G	43	5.582G	44	5.388G
45	5.602G	46	5.330G	47	5.478G	48	5.278G
49	5.499G	50	5.676G	51	5.274G	52	5.435G
53	5.422G	54	5.604G	55	5.718G	56	5.702G
57	5.412G	58	5.572G	59	5.355G	60	5.622G
61	5.413G	62	5.474G	63	5.559G	64	5.293G
65	5.590G	66	5.368G	67	5.538G	68	5.586G
69	5.504G	70	5.454G	71	5.443G	72	5.290G
73	5.656G	74	5.283G	75	5.432G	76	5.276G
77	5.464G	78	5.717G	79	5.633G	80	5.335G
81	5.307G	82	5.277G	83	5.406G	84	5.279G
85	5.724G	86	5.364G	87	5.600G	88	5.408G
89	5.436G	90	5.529G	91	5.445G	92	5.325G
93	5.516G	94	5.252G	95	5.348G	96	5.615G
97	5.372G	98	5.362G	99	5.357G	100	5.704G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.558G	2	5.496G	3	5.658G	4	5.396G
5	5.268G	6	5.398G	7	5.451G	8	5.332G
9	5.385G	10	5.470G	11	5.296G	12	5.675G
13	5.377G	14	5.515G	15	5.467G	16	5.311G
17	5.460G	18	5.686G	19	5.539G	20	5.552G
21	5.609G	22	5.409G	23	5.646G	24	5.713G
25	5.567G	26	5.310G	27	5.450G	28	5.326G
29	5.603G	30	5.678G	31	5.292G	32	5.657G
33	5.429G	34	5.367G	35	5.498G	36	5.585G
37	5.477G	38	5.506G	39	5.502G	40	5.426G
41	5.484G	42	5.346G	43	5.521G	44	5.687G
45	5.636G	46	5.469G	47	5.553G	48	5.580G
49	5.301G	50	5.601G	51	5.415G	52	5.642G
53	5.483G	54	5.545G	55	5.562G	56	5.341G
57	5.339G	58	5.581G	59	5.261G	60	5.663G
61	5.369G	62	5.476G	63	5.366G	64	5.533G
65	5.254G	66	5.721G	67	5.256G	68	5.294G
69	5.290G	70	5.436G	71	5.649G	72	5.347G
73	5.281G	74	5.313G	75	5.417G	76	5.309G
77	5.637G	78	5.586G	79	5.551G	80	5.705G
81	5.688G	82	5.330G	83	5.463G	84	5.557G
85	5.714G	86	5.651G	87	5.543G	88	5.634G
89	5.510G	90	5.531G	91	5.384G	92	5.379G
93	5.667G	94	5.356G	95	5.272G	96	5.259G
97	5.404G	98	5.458G	99	5.602G	100	5.596G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.269G	2	5.267G	3	5.294G	4	5.587G
5	5.250G	6	5.466G	7	5.413G	8	5.317G
9	5.287G	10	5.670G	11	5.702G	12	5.446G
13	5.342G	14	5.522G	15	5.402G	16	5.326G
17	5.582G	18	5.474G	19	5.574G	20	5.279G
21	5.518G	22	5.497G	23	5.450G	24	5.351G
25	5.362G	26	5.270G	27	5.645G	28	5.354G
29	5.720G	30	5.324G	31	5.478G	32	5.570G
33	5.377G	34	5.490G	35	5.568G	36	5.440G
37	5.464G	38	5.635G	39	5.436G	40	5.283G
41	5.661G	42	5.669G	43	5.550G	44	5.393G
45	5.358G	46	5.675G	47	5.648G	48	5.428G
49	5.641G	50	5.607G	51	5.323G	52	5.544G
53	5.258G	54	5.431G	55	5.698G	56	5.509G
57	5.306G	58	5.575G	59	5.719G	60	5.367G
61	5.487G	62	5.416G	63	5.655G	64	5.325G
65	5.525G	66	5.534G	67	5.290G	68	5.299G
69	5.559G	70	5.448G	71	5.368G	72	5.435G
73	5.660G	74	5.371G	75	5.442G	76	5.322G
77	5.268G	78	5.619G	79	5.430G	80	5.384G
81	5.313G	82	5.519G	83	5.680G	84	5.530G
85	5.396G	86	5.470G	87	5.517G	88	5.494G
89	5.724G	90	5.453G	91	5.625G	92	5.564G
93	5.716G	94	5.596G	95	5.274G	96	5.355G
97	5.462G	98	5.617G	99	5.623G	100	5.475G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.437G	2	5.439G	3	5.630G	4	5.461G
5	5.588G	6	5.272G	7	5.553G	8	5.360G
9	5.271G	10	5.314G	11	5.499G	12	5.604G
13	5.491G	14	5.638G	15	5.313G	16	5.278G
17	5.394G	18	5.666G	19	5.608G	20	5.701G
21	5.647G	22	5.500G	23	5.318G	24	5.717G
25	5.722G	26	5.408G	27	5.648G	28	5.658G
29	5.312G	30	5.460G	31	5.311G	32	5.292G
33	5.686G	34	5.621G	35	5.420G	36	5.557G
37	5.677G	38	5.646G	39	5.519G	40	5.591G
41	5.384G	42	5.290G	43	5.536G	44	5.393G
45	5.415G	46	5.256G	47	5.365G	48	5.575G
49	5.447G	50	5.651G	51	5.302G	52	5.706G
53	5.446G	54	5.455G	55	5.546G	56	5.379G
57	5.497G	58	5.665G	59	5.378G	60	5.346G
61	5.475G	62	5.454G	63	5.355G	64	5.610G
65	5.660G	66	5.330G	67	5.643G	68	5.520G
69	5.676G	70	5.616G	71	5.484G	72	5.284G
73	5.652G	74	5.556G	75	5.525G	76	5.495G
77	5.261G	78	5.255G	79	5.337G	80	5.506G
81	5.523G	82	5.287G	83	5.487G	84	5.315G
85	5.704G	86	5.655G	87	5.534G	88	5.316G
89	5.694G	90	5.371G	91	5.368G	92	5.326G
93	5.407G	94	5.268G	95	5.505G	96	5.640G
97	5.411G	98	5.333G	99	5.674G	100	5.331G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.360G	2	5.682G	3	5.466G	4	5.545G
5	5.695G	6	5.707G	7	5.598G	8	5.307G
9	5.459G	10	5.255G	11	5.555G	12	5.713G
13	5.641G	14	5.548G	15	5.377G	16	5.475G
17	5.671G	18	5.714G	19	5.319G	20	5.572G
21	5.343G	22	5.512G	23	5.443G	24	5.667G
25	5.566G	26	5.677G	27	5.650G	28	5.414G
29	5.580G	30	5.578G	31	5.612G	32	5.616G
33	5.289G	34	5.279G	35	5.435G	36	5.486G
37	5.685G	38	5.447G	39	5.458G	40	5.639G
41	5.567G	42	5.347G	43	5.280G	44	5.660G
45	5.626G	46	5.302G	47	5.267G	48	5.431G
49	5.515G	50	5.396G	51	5.610G	52	5.704G
53	5.558G	54	5.536G	55	5.620G	56	5.541G
57	5.393G	58	5.256G	59	5.354G	60	5.413G
61	5.684G	62	5.426G	63	5.317G	64	5.553G
65	5.452G	66	5.549G	67	5.325G	68	5.425G
69	5.524G	70	5.519G	71	5.607G	72	5.526G
73	5.631G	74	5.720G	75	5.521G	76	5.457G
77	5.432G	78	5.513G	79	5.501G	80	5.520G
81	5.367G	82	5.665G	83	5.701G	84	5.272G
85	5.333G	86	5.518G	87	5.623G	88	5.324G
89	5.474G	90	5.477G	91	5.445G	92	5.301G
93	5.643G	94	5.365G	95	5.314G	96	5.586G
97	5.642G	98	5.604G	99	5.368G	100	5.293G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.628G	2	5.313G	3	5.429G	4	5.408G
5	5.567G	6	5.526G	7	5.580G	8	5.317G
9	5.322G	10	5.359G	11	5.395G	12	5.615G
13	5.555G	14	5.704G	15	5.377G	16	5.679G
17	5.292G	18	5.412G	19	5.393G	20	5.427G
21	5.633G	22	5.318G	23	5.357G	24	5.625G
25	5.577G	26	5.456G	27	5.275G	28	5.511G
29	5.452G	30	5.663G	31	5.708G	32	5.276G
33	5.388G	34	5.581G	35	5.552G	36	5.444G
37	5.442G	38	5.557G	39	5.509G	40	5.301G
41	5.438G	42	5.333G	43	5.715G	44	5.682G
45	5.266G	46	5.574G	47	5.480G	48	5.434G
49	5.531G	50	5.454G	51	5.665G	52	5.402G
53	5.603G	54	5.258G	55	5.496G	56	5.302G
57	5.483G	58	5.694G	59	5.610G	60	5.643G
61	5.622G	62	5.461G	63	5.314G	64	5.626G
65	5.418G	66	5.336G	67	5.534G	68	5.514G
69	5.471G	70	5.510G	71	5.524G	72	5.304G
73	5.486G	74	5.484G	75	5.445G	76	5.371G
77	5.386G	78	5.353G	79	5.261G	80	5.255G
81	5.587G	82	5.623G	83	5.596G	84	5.311G
85	5.685G	86	5.407G	87	5.697G	88	5.637G
89	5.716G	90	5.355G	91	5.341G	92	5.559G
93	5.305G	94	5.293G	95	5.297G	96	5.659G
97	5.707G	98	5.602G	99	5.430G	100	5.505G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.377G	2	5.444G	3	5.352G	4	5.531G
5	5.464G	6	5.328G	7	5.638G	8	5.318G
9	5.595G	10	5.700G	11	5.587G	12	5.392G
13	5.416G	14	5.364G	15	5.528G	16	5.560G
17	5.275G	18	5.482G	19	5.356G	20	5.583G
21	5.292G	22	5.677G	23	5.647G	24	5.373G
25	5.623G	26	5.313G	27	5.645G	28	5.369G
29	5.498G	30	5.367G	31	5.621G	32	5.714G
33	5.606G	34	5.442G	35	5.681G	36	5.253G
37	5.636G	38	5.370G	39	5.536G	40	5.343G
41	5.503G	42	5.414G	43	5.581G	44	5.664G
45	5.526G	46	5.594G	47	5.380G	48	5.513G
49	5.633G	50	5.282G	51	5.506G	52	5.264G
53	5.452G	54	5.255G	55	5.391G	56	5.330G
57	5.720G	58	5.397G	59	5.534G	60	5.374G
61	5.368G	62	5.307G	63	5.402G	64	5.547G
65	5.703G	66	5.641G	67	5.362G	68	5.618G
69	5.639G	70	5.349G	71	5.353G	72	5.627G
73	5.722G	74	5.303G	75	5.436G	76	5.423G
77	5.384G	78	5.460G	79	5.293G	80	5.463G
81	5.541G	82	5.544G	83	5.617G	84	5.609G
85	5.379G	86	5.404G	87	5.711G	88	5.696G
89	5.500G	90	5.566G	91	5.675G	92	5.441G
93	5.481G	94	5.430G	95	5.317G	96	5.410G
97	5.403G	98	5.571G	99	5.272G	100	5.632G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.605G	2	5.429G	3	5.473G	4	5.377G
5	5.509G	6	5.540G	7	5.515G	8	5.465G
9	5.470G	10	5.477G	11	5.367G	12	5.573G
13	5.295G	14	5.459G	15	5.525G	16	5.414G
17	5.672G	18	5.687G	19	5.373G	20	5.365G
21	5.648G	22	5.722G	23	5.522G	24	5.265G
25	5.357G	26	5.446G	27	5.634G	28	5.595G
29	5.557G	30	5.504G	31	5.474G	32	5.427G
33	5.523G	34	5.263G	35	5.340G	36	5.531G
37	5.417G	38	5.488G	39	5.705G	40	5.291G
41	5.678G	42	5.627G	43	5.643G	44	5.652G
45	5.338G	46	5.466G	47	5.437G	48	5.400G
49	5.355G	50	5.471G	51	5.478G	52	5.706G
53	5.393G	54	5.617G	55	5.715G	56	5.626G
57	5.329G	58	5.345G	59	5.510G	60	5.545G
61	5.369G	62	5.325G	63	5.271G	64	5.277G
65	5.527G	66	5.593G	67	5.612G	68	5.332G
69	5.447G	70	5.361G	71	5.505G	72	5.288G
73	5.274G	74	5.600G	75	5.587G	76	5.541G
77	5.533G	78	5.450G	79	5.484G	80	5.635G
81	5.419G	82	5.481G	83	5.591G	84	5.501G
85	5.324G	86	5.495G	87	5.588G	88	5.415G
89	5.258G	90	5.259G	91	5.544G	92	5.703G
93	5.604G	94	5.574G	95	5.619G	96	5.599G
97	5.472G	98	5.603G	99	5.290G	100	5.347G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.355G	2	5.462G	3	5.470G	4	5.665G
5	5.650G	6	5.513G	7	5.562G	8	5.289G
9	5.418G	10	5.466G	11	5.704G	12	5.254G
13	5.471G	14	5.608G	15	5.690G	16	5.497G
17	5.670G	18	5.295G	19	5.570G	20	5.713G
21	5.664G	22	5.604G	23	5.595G	24	5.678G
25	5.663G	26	5.482G	27	5.494G	28	5.309G
29	5.694G	30	5.546G	31	5.639G	32	5.420G
33	5.662G	34	5.353G	35	5.421G	36	5.354G
37	5.372G	38	5.714G	39	5.373G	40	5.603G
41	5.453G	42	5.571G	43	5.630G	44	5.552G
45	5.504G	46	5.722G	47	5.611G	48	5.265G
49	5.315G	50	5.524G	51	5.449G	52	5.567G
53	5.703G	54	5.660G	55	5.503G	56	5.368G
57	5.516G	58	5.450G	59	5.715G	60	5.359G
61	5.351G	62	5.391G	63	5.376G	64	5.709G
65	5.316G	66	5.403G	67	5.696G	68	5.545G
69	5.582G	70	5.658G	71	5.632G	72	5.259G
73	5.480G	74	5.681G	75	5.358G	76	5.385G
77	5.307G	78	5.672G	79	5.433G	80	5.396G
81	5.477G	82	5.442G	83	5.563G	84	5.299G
85	5.361G	86	5.461G	87	5.384G	88	5.413G
89	5.675G	90	5.501G	91	5.478G	92	5.443G
93	5.268G	94	5.651G	95	5.523G	96	5.597G
97	5.483G	98	5.326G	99	5.260G	100	5.430G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.430G	2	5.451G	3	5.432G	4	5.499G
5	5.625G	6	5.497G	7	5.621G	8	5.344G
9	5.532G	10	5.554G	11	5.449G	12	5.645G
13	5.603G	14	5.472G	15	5.299G	16	5.683G
17	5.300G	18	5.702G	19	5.617G	20	5.655G
21	5.303G	22	5.670G	23	5.568G	24	5.513G
25	5.274G	26	5.355G	27	5.414G	28	5.724G
29	5.421G	30	5.701G	31	5.373G	32	5.450G
33	5.717G	34	5.259G	35	5.552G	36	5.667G
37	5.653G	38	5.440G	39	5.447G	40	5.630G
41	5.547G	42	5.433G	43	5.403G	44	5.438G
45	5.334G	46	5.537G	47	5.648G	48	5.656G
49	5.415G	50	5.610G	51	5.682G	52	5.654G
53	5.541G	54	5.634G	55	5.429G	56	5.671G
57	5.531G	58	5.692G	59	5.401G	60	5.346G
61	5.423G	62	5.284G	63	5.411G	64	5.367G
65	5.280G	66	5.622G	67	5.711G	68	5.308G
69	5.336G	70	5.542G	71	5.427G	72	5.426G
73	5.343G	74	5.320G	75	5.557G	76	5.481G
77	5.468G	78	5.519G	79	5.366G	80	5.369G
81	5.581G	82	5.294G	83	5.263G	84	5.304G
85	5.587G	86	5.505G	87	5.564G	88	5.660G
89	5.713G	90	5.510G	91	5.576G	92	5.490G
93	5.631G	94	5.413G	95	5.380G	96	5.616G
97	5.699G	98	5.506G	99	5.448G	100	5.589G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.438G	2	5.501G	3	5.638G	4	5.315G
5	5.707G	6	5.591G	7	5.349G	8	5.519G
9	5.583G	10	5.631G	11	5.405G	12	5.571G
13	5.437G	14	5.306G	15	5.480G	16	5.266G
17	5.426G	18	5.626G	19	5.466G	20	5.524G
21	5.548G	22	5.416G	23	5.268G	24	5.282G
25	5.260G	26	5.697G	27	5.625G	28	5.516G
29	5.689G	30	5.706G	31	5.552G	32	5.640G
33	5.449G	34	5.338G	35	5.431G	36	5.263G
37	5.496G	38	5.518G	39	5.270G	40	5.258G
41	5.505G	42	5.596G	43	5.317G	44	5.655G
45	5.617G	46	5.459G	47	5.666G	48	5.682G
49	5.594G	50	5.692G	51	5.407G	52	5.612G
53	5.600G	54	5.688G	55	5.369G	56	5.339G
57	5.353G	58	5.661G	59	5.308G	60	5.603G
61	5.325G	62	5.578G	63	5.530G	64	5.293G
65	5.272G	66	5.676G	67	5.502G	68	5.408G
69	5.536G	70	5.343G	71	5.298G	72	5.313G
73	5.430G	74	5.252G	75	5.281G	76	5.674G
77	5.551G	78	5.371G	79	5.705G	80	5.621G
81	5.602G	82	5.456G	83	5.637G	84	5.537G
85	5.304G	86	5.611G	87	5.554G	88	5.721G
89	5.402G	90	5.296G	91	5.702G	92	5.436G
93	5.439G	94	5.636G	95	5.553G	96	5.526G
97	5.347G	98	5.277G	99	5.489G	100	5.572G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.590G	2	5.629G	3	5.681G	4	5.532G
5	5.307G	6	5.398G	7	5.516G	8	5.609G
9	5.513G	10	5.457G	11	5.603G	12	5.450G
13	5.623G	14	5.601G	15	5.395G	16	5.361G
17	5.565G	18	5.482G	19	5.717G	20	5.677G
21	5.647G	22	5.477G	23	5.684G	24	5.676G
25	5.583G	26	5.589G	27	5.709G	28	5.620G
29	5.571G	30	5.679G	31	5.449G	32	5.497G
33	5.320G	34	5.269G	35	5.625G	36	5.490G
37	5.683G	38	5.498G	39	5.438G	40	5.648G
41	5.485G	42	5.291G	43	5.472G	44	5.554G
45	5.464G	46	5.713G	47	5.429G	48	5.266G
49	5.412G	50	5.587G	51	5.467G	52	5.547G
53	5.491G	54	5.586G	55	5.710G	56	5.444G
57	5.568G	58	5.529G	59	5.466G	60	5.346G
61	5.364G	62	5.545G	63	5.706G	64	5.428G
65	5.333G	66	5.630G	67	5.277G	68	5.258G
69	5.697G	70	5.463G	71	5.638G	72	5.298G
73	5.340G	74	5.381G	75	5.322G	76	5.433G
77	5.633G	78	5.719G	79	5.351G	80	5.363G
81	5.419G	82	5.420G	83	5.626G	84	5.558G
85	5.705G	86	5.577G	87	5.404G	88	5.271G
89	5.581G	90	5.311G	91	5.358G	92	5.394G
93	5.250G	94	5.660G	95	5.617G	96	5.353G
97	5.668G	98	5.318G	99	5.354G	100	5.640G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.610G	2	5.299G	3	5.696G	4	5.546G
5	5.669G	6	5.437G	7	5.393G	8	5.674G
9	5.613G	10	5.517G	11	5.491G	12	5.270G
13	5.505G	14	5.353G	15	5.268G	16	5.557G
17	5.467G	18	5.392G	19	5.387G	20	5.632G
21	5.704G	22	5.345G	23	5.252G	24	5.307G
25	5.520G	26	5.586G	27	5.428G	28	5.556G
29	5.343G	30	5.328G	31	5.292G	32	5.412G
33	5.718G	34	5.618G	35	5.273G	36	5.405G
37	5.675G	38	5.564G	39	5.693G	40	5.378G
41	5.642G	42	5.561G	43	5.569G	44	5.525G
45	5.714G	46	5.543G	47	5.319G	48	5.598G
49	5.499G	50	5.495G	51	5.619G	52	5.603G
53	5.548G	54	5.605G	55	5.251G	56	5.648G
57	5.285G	58	5.366G	59	5.361G	60	5.403G
61	5.551G	62	5.567G	63	5.588G	64	5.341G
65	5.702G	66	5.625G	67	5.357G	68	5.360G
69	5.282G	70	5.399G	71	5.441G	72	5.583G
73	5.430G	74	5.415G	75	5.404G	76	5.411G
77	5.723G	78	5.315G	79	5.650G	80	5.394G
81	5.582G	82	5.526G	83	5.439G	84	5.472G
85	5.280G	86	5.339G	87	5.331G	88	5.597G
89	5.381G	90	5.555G	91	5.460G	92	5.634G
93	5.575G	94	5.579G	95	5.383G	96	5.672G
97	5.533G	98	5.416G	99	5.373G	100	5.528G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.275G	2	5.506G	3	5.303G	4	5.352G
5	5.526G	6	5.582G	7	5.607G	8	5.254G
9	5.661G	10	5.447G	11	5.410G	12	5.499G
13	5.530G	14	5.381G	15	5.251G	16	5.386G
17	5.610G	18	5.432G	19	5.496G	20	5.559G
21	5.525G	22	5.374G	23	5.363G	24	5.662G
25	5.593G	26	5.721G	27	5.332G	28	5.670G
29	5.608G	30	5.319G	31	5.490G	32	5.647G
33	5.498G	34	5.706G	35	5.316G	36	5.427G
37	5.348G	38	5.590G	39	5.485G	40	5.632G
41	5.711G	42	5.388G	43	5.558G	44	5.606G
45	5.612G	46	5.481G	47	5.337G	48	5.553G
49	5.415G	50	5.546G	51	5.694G	52	5.620G
53	5.569G	54	5.541G	55	5.677G	56	5.524G
57	5.717G	58	5.556G	59	5.339G	60	5.404G
61	5.328G	62	5.489G	63	5.668G	64	5.519G
65	5.657G	66	5.500G	67	5.287G	68	5.592G
69	5.383G	70	5.263G	71	5.438G	72	5.529G
73	5.523G	74	5.356G	75	5.660G	76	5.353G
77	5.536G	78	5.675G	79	5.370G	80	5.689G
81	5.672G	82	5.615G	83	5.626G	84	5.685G
85	5.325G	86	5.646G	87	5.279G	88	5.459G
89	5.665G	90	5.478G	91	5.261G	92	5.512G
93	5.571G	94	5.397G	95	5.395G	96	5.318G
97	5.419G	98	5.583G	99	5.311G	100	5.483G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.494G	2	5.366G	3	5.500G	4	5.340G
5	5.505G	6	5.694G	7	5.414G	8	5.273G
9	5.609G	10	5.360G	11	5.409G	12	5.315G
13	5.467G	14	5.333G	15	5.460G	16	5.400G
17	5.452G	18	5.549G	19	5.629G	20	5.276G
21	5.711G	22	5.524G	23	5.254G	24	5.387G
25	5.338G	26	5.299G	27	5.421G	28	5.336G
29	5.605G	30	5.413G	31	5.514G	32	5.341G
33	5.438G	34	5.586G	35	5.671G	36	5.395G
37	5.278G	38	5.564G	39	5.304G	40	5.423G
41	5.640G	42	5.563G	43	5.481G	44	5.379G
45	5.432G	46	5.546G	47	5.660G	48	5.436G
49	5.372G	50	5.465G	51	5.717G	52	5.633G
53	5.262G	54	5.637G	55	5.530G	56	5.496G
57	5.284G	58	5.252G	59	5.334G	60	5.475G
61	5.281G	62	5.394G	63	5.251G	64	5.645G
65	5.462G	66	5.663G	67	5.654G	68	5.327G
69	5.319G	70	5.626G	71	5.322G	72	5.603G
73	5.495G	74	5.585G	75	5.618G	76	5.536G
77	5.275G	78	5.489G	79	5.502G	80	5.326G
81	5.719G	82	5.342G	83	5.539G	84	5.499G
85	5.385G	86	5.373G	87	5.444G	88	5.482G
89	5.388G	90	5.381G	91	5.709G	92	5.666G
93	5.323G	94	5.441G	95	5.320G	96	5.451G
97	5.515G	98	5.399G	99	5.328G	100	5.635G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.446G	2	5.557G	3	5.313G	4	5.399G
5	5.355G	6	5.408G	7	5.666G	8	5.422G
9	5.618G	10	5.393G	11	5.395G	12	5.716G
13	5.376G	14	5.385G	15	5.334G	16	5.522G
17	5.562G	18	5.623G	19	5.685G	20	5.344G
21	5.487G	22	5.551G	23	5.430G	24	5.426G
25	5.330G	26	5.425G	27	5.587G	28	5.577G
29	5.647G	30	5.306G	31	5.517G	32	5.358G
33	5.608G	34	5.322G	35	5.539G	36	5.692G
37	5.298G	38	5.455G	39	5.341G	40	5.442G
41	5.309G	42	5.627G	43	5.485G	44	5.515G
45	5.703G	46	5.265G	47	5.256G	48	5.307G
49	5.342G	50	5.518G	51	5.704G	52	5.534G
53	5.653G	54	5.338G	55	5.572G	56	5.410G
57	5.565G	58	5.451G	59	5.268G	60	5.585G
61	5.496G	62	5.465G	63	5.591G	64	5.301G
65	5.412G	66	5.525G	67	5.516G	68	5.419G
69	5.596G	70	5.499G	71	5.498G	72	5.423G
73	5.583G	74	5.287G	75	5.311G	76	5.644G
77	5.482G	78	5.428G	79	5.433G	80	5.467G
81	5.676G	82	5.701G	83	5.698G	84	5.559G
85	5.523G	86	5.610G	87	5.594G	88	5.600G
89	5.478G	90	5.339G	91	5.697G	92	5.720G
93	5.364G	94	5.360G	95	5.651G	96	5.444G
97	5.488G	98	5.553G	99	5.576G	100	5.636G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.566G	2	5.642G	3	5.699G	4	5.594G
5	5.346G	6	5.348G	7	5.336G	8	5.535G
9	5.591G	10	5.650G	11	5.345G	12	5.390G
13	5.513G	14	5.251G	15	5.582G	16	5.406G
17	5.295G	18	5.644G	19	5.342G	20	5.480G
21	5.562G	22	5.496G	23	5.292G	24	5.609G
25	5.312G	26	5.617G	27	5.267G	28	5.300G
29	5.657G	30	5.705G	31	5.288G	32	5.254G
33	5.681G	34	5.514G	35	5.659G	36	5.580G
37	5.643G	38	5.343G	39	5.649G	40	5.337G
41	5.393G	42	5.702G	43	5.423G	44	5.662G
45	5.497G	46	5.640G	47	5.509G	48	5.456G
49	5.445G	50	5.486G	51	5.481G	52	5.610G
53	5.613G	54	5.660G	55	5.455G	56	5.279G
57	5.557G	58	5.522G	59	5.469G	60	5.358G
61	5.419G	62	5.689G	63	5.564G	64	5.395G
65	5.416G	66	5.551G	67	5.418G	68	5.260G
69	5.446G	70	5.433G	71	5.716G	72	5.347G
73	5.704G	74	5.330G	75	5.396G	76	5.410G
77	5.714G	78	5.320G	79	5.512G	80	5.472G
81	5.559G	82	5.311G	83	5.298G	84	5.529G
85	5.501G	86	5.581G	87	5.543G	88	5.517G
89	5.449G	90	5.656G	91	5.549G	92	5.560G
93	5.633G	94	5.541G	95	5.718G	96	5.576G
97	5.341G	98	5.611G	99	5.440G	100	5.588G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.630G	2	5.339G	3	5.438G	4	5.707G
5	5.555G	6	5.620G	7	5.510G	8	5.712G
9	5.367G	10	5.452G	11	5.315G	12	5.392G
13	5.294G	14	5.616G	15	5.558G	16	5.502G
17	5.262G	18	5.399G	19	5.330G	20	5.288G
21	5.279G	22	5.585G	23	5.411G	24	5.326G
25	5.346G	26	5.632G	27	5.546G	28	5.677G
29	5.457G	30	5.453G	31	5.354G	32	5.283G
33	5.607G	34	5.634G	35	5.459G	36	5.505G
37	5.522G	38	5.506G	39	5.685G	40	5.556G
41	5.713G	42	5.703G	43	5.584G	44	5.497G
45	5.402G	46	5.467G	47	5.691G	48	5.287G
49	5.494G	50	5.568G	51	5.514G	52	5.547G
53	5.254G	54	5.463G	55	5.697G	56	5.667G
57	5.614G	58	5.696G	59	5.296G	60	5.652G
61	5.325G	62	5.689G	63	5.333G	64	5.472G
65	5.608G	66	5.289G	67	5.327G	68	5.302G
69	5.484G	70	5.535G	71	5.631G	72	5.286G
73	5.490G	74	5.653G	75	5.430G	76	5.606G
77	5.334G	78	5.595G	79	5.641G	80	5.373G
81	5.414G	82	5.554G	83	5.521G	84	5.378G
85	5.574G	86	5.705G	87	5.272G	88	5.267G
89	5.257G	90	5.386G	91	5.533G	92	5.532G
93	5.663G	94	5.598G	95	5.619G	96	5.498G
97	5.359G	98	5.335G	99	5.593G	100	5.419G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT20_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.530G	2	5.668G	3	5.576G	4	5.390G
5	5.339G	6	5.643G	7	5.593G	8	5.680G
9	5.520G	10	5.642G	11	5.468G	12	5.327G
13	5.614G	14	5.357G	15	5.472G	16	5.420G
17	5.639G	18	5.291G	19	5.715G	20	5.270G
21	5.393G	22	5.413G	23	5.708G	24	5.268G
25	5.337G	26	5.483G	27	5.418G	28	5.649G
29	5.408G	30	5.362G	31	5.672G	32	5.537G
33	5.590G	34	5.476G	35	5.547G	36	5.358G
37	5.512G	38	5.686G	39	5.716G	40	5.650G
41	5.365G	42	5.417G	43	5.435G	44	5.698G
45	5.326G	46	5.325G	47	5.300G	48	5.521G
49	5.697G	50	5.379G	51	5.503G	52	5.566G
53	5.431G	54	5.394G	55	5.685G	56	5.322G
57	5.719G	58	5.278G	59	5.632G	60	5.606G
61	5.396G	62	5.460G	63	5.368G	64	5.305G
65	5.256G	66	5.615G	67	5.647G	68	5.510G
69	5.653G	70	5.353G	71	5.707G	72	5.703G
73	5.386G	74	5.567G	75	5.705G	76	5.506G
77	5.267G	78	5.441G	79	5.436G	80	5.316G
81	5.266G	82	5.406G	83	5.273G	84	5.251G
85	5.377G	86	5.553G	87	5.513G	88	5.335G
89	5.387G	90	5.662G	91	5.457G	92	5.511G
93	5.281G	94	5.391G	95	5.314G	96	5.641G
97	5.307G	98	5.415G	99	5.587G	100	5.659G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_01							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.662G	2	5.544G	3	5.536G	4	5.340G
5	5.373G	6	5.346G	7	5.313G	8	5.471G
9	5.425G	10	5.270G	11	5.364G	12	5.394G
13	5.722G	14	5.517G	15	5.598G	16	5.454G
17	5.543G	18	5.439G	19	5.267G	20	5.391G
21	5.328G	22	5.659G	23	5.646G	24	5.255G
25	5.355G	26	5.485G	27	5.452G	28	5.250G
29	5.421G	30	5.649G	31	5.323G	32	5.588G
33	5.348G	34	5.513G	35	5.475G	36	5.538G
37	5.349G	38	5.705G	39	5.272G	40	5.268G
41	5.368G	42	5.625G	43	5.616G	44	5.548G
45	5.263G	46	5.494G	47	5.458G	48	5.702G
49	5.365G	50	5.347G	51	5.310G	52	5.352G
53	5.393G	54	5.366G	55	5.484G	56	5.320G
57	5.503G	58	5.253G	59	5.700G	60	5.260G
61	5.663G	62	5.407G	63	5.583G	64	5.617G
65	5.673G	66	5.417G	67	5.266G	68	5.259G
69	5.300G	70	5.557G	71	5.450G	72	5.396G
73	5.453G	74	5.337G	75	5.359G	76	5.476G
77	5.388G	78	5.539G	79	5.461G	80	5.661G
81	5.601G	82	5.384G	83	5.706G	84	5.306G
85	5.679G	86	5.547G	87	5.604G	88	5.629G
89	5.535G	90	5.505G	91	5.689G	92	5.327G
93	5.719G	94	5.354G	95	5.341G	96	5.404G
97	5.410G	98	5.324G	99	5.343G	100	5.432G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_02							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.596G	2	5.609G	3	5.320G	4	5.668G
5	5.662G	6	5.647G	7	5.690G	8	5.582G
9	5.554G	10	5.467G	11	5.369G	12	5.329G
13	5.415G	14	5.488G	15	5.649G	16	5.700G
17	5.627G	18	5.254G	19	5.717G	20	5.451G
21	5.457G	22	5.345G	23	5.315G	24	5.709G
25	5.710G	26	5.465G	27	5.324G	28	5.607G
29	5.611G	30	5.424G	31	5.334G	32	5.390G
33	5.500G	34	5.545G	35	5.489G	36	5.508G
37	5.506G	38	5.328G	39	5.310G	40	5.330G
41	5.285G	42	5.537G	43	5.372G	44	5.317G
45	5.473G	46	5.295G	47	5.601G	48	5.584G
49	5.405G	50	5.654G	51	5.311G	52	5.655G
53	5.274G	54	5.556G	55	5.445G	56	5.534G
57	5.395G	58	5.442G	59	5.675G	60	5.517G
61	5.666G	62	5.600G	63	5.448G	64	5.356G
65	5.402G	66	5.708G	67	5.383G	68	5.638G
69	5.359G	70	5.715G	71	5.298G	72	5.287G
73	5.430G	74	5.478G	75	5.501G	76	5.279G
77	5.337G	78	5.316G	79	5.417G	80	5.622G
81	5.314G	82	5.589G	83	5.698G	84	5.621G
85	5.497G	86	5.502G	87	5.454G	88	5.443G
89	5.706G	90	5.685G	91	5.348G	92	5.657G
93	5.676G	94	5.255G	95	5.608G	96	5.670G
97	5.692G	98	5.282G	99	5.635G	100	5.593G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_03							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.271G	2	5.377G	3	5.667G	4	5.486G
5	5.708G	6	5.499G	7	5.358G	8	5.593G
9	5.680G	10	5.655G	11	5.607G	12	5.466G
13	5.666G	14	5.724G	15	5.403G	16	5.723G
17	5.376G	18	5.327G	19	5.467G	20	5.400G
21	5.427G	22	5.697G	23	5.529G	24	5.443G
25	5.275G	26	5.478G	27	5.571G	28	5.251G
29	5.329G	30	5.421G	31	5.252G	32	5.597G
33	5.405G	34	5.335G	35	5.518G	36	5.516G
37	5.359G	38	5.576G	39	5.519G	40	5.616G
41	5.279G	42	5.372G	43	5.648G	44	5.429G
45	5.703G	46	5.679G	47	5.438G	48	5.449G
49	5.361G	50	5.272G	51	5.284G	52	5.560G
53	5.628G	54	5.550G	55	5.609G	56	5.440G
57	5.445G	58	5.430G	59	5.659G	60	5.407G
61	5.392G	62	5.656G	63	5.600G	64	5.397G
65	5.371G	66	5.367G	67	5.553G	68	5.468G
69	5.451G	70	5.341G	71	5.305G	72	5.660G
73	5.619G	74	5.290G	75	5.360G	76	5.495G
77	5.386G	78	5.570G	79	5.479G	80	5.297G
81	5.388G	82	5.374G	83	5.433G	84	5.280G
85	5.661G	86	5.498G	87	5.684G	88	5.623G
89	5.626G	90	5.317G	91	5.470G	92	5.513G
93	5.315G	94	5.455G	95	5.420G	96	5.490G
97	5.645G	98	5.590G	99	5.701G	100	5.382G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_04							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.613G	2	5.414G	3	5.548G	4	5.386G
5	5.659G	6	5.433G	7	5.352G	8	5.704G
9	5.300G	10	5.481G	11	5.640G	12	5.539G
13	5.333G	14	5.718G	15	5.421G	16	5.651G
17	5.535G	18	5.308G	19	5.422G	20	5.288G
21	5.623G	22	5.426G	23	5.626G	24	5.438G
25	5.709G	26	5.686G	27	5.510G	28	5.431G
29	5.609G	30	5.295G	31	5.364G	32	5.292G
33	5.715G	34	5.488G	35	5.717G	36	5.430G
37	5.457G	38	5.263G	39	5.648G	40	5.538G
41	5.519G	42	5.299G	43	5.576G	44	5.306G
45	5.508G	46	5.483G	47	5.653G	48	5.269G
49	5.321G	50	5.307G	51	5.369G	52	5.358G
53	5.301G	54	5.572G	55	5.440G	56	5.670G
57	5.444G	58	5.285G	59	5.622G	60	5.461G
61	5.280G	62	5.266G	63	5.611G	64	5.385G
65	5.394G	66	5.432G	67	5.381G	68	5.567G
69	5.417G	70	5.397G	71	5.588G	72	5.471G
73	5.405G	74	5.277G	75	5.566G	76	5.479G
77	5.530G	78	5.597G	79	5.605G	80	5.578G
81	5.658G	82	5.350G	83	5.710G	84	5.562G
85	5.411G	86	5.341G	87	5.571G	88	5.692G
89	5.395G	90	5.342G	91	5.354G	92	5.396G
93	5.652G	94	5.505G	95	5.575G	96	5.258G
97	5.279G	98	5.585G	99	5.520G	100	5.425G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_05							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.287G	2	5.720G	3	5.385G	4	5.370G
5	5.581G	6	5.294G	7	5.461G	8	5.683G
9	5.556G	10	5.346G	11	5.419G	12	5.682G
13	5.529G	14	5.494G	15	5.457G	16	5.252G
17	5.470G	18	5.375G	19	5.398G	20	5.607G
21	5.633G	22	5.322G	23	5.468G	24	5.610G
25	5.534G	26	5.449G	27	5.619G	28	5.700G
29	5.580G	30	5.688G	31	5.585G	32	5.550G
33	5.452G	34	5.638G	35	5.302G	36	5.428G
37	5.479G	38	5.254G	39	5.429G	40	5.321G
41	5.424G	42	5.518G	43	5.444G	44	5.692G
45	5.341G	46	5.379G	47	5.415G	48	5.652G
49	5.661G	50	5.578G	51	5.483G	52	5.595G
53	5.520G	54	5.515G	55	5.543G	56	5.439G
57	5.628G	58	5.383G	59	5.371G	60	5.680G
61	5.443G	62	5.636G	63	5.681G	64	5.490G
65	5.368G	66	5.421G	67	5.558G	68	5.491G
69	5.472G	70	5.486G	71	5.648G	72	5.265G
73	5.408G	74	5.437G	75	5.570G	76	5.699G
77	5.412G	78	5.401G	79	5.542G	80	5.395G
81	5.568G	82	5.270G	83	5.324G	84	5.531G
85	5.377G	86	5.594G	87	5.684G	88	5.601G
89	5.380G	90	5.351G	91	5.280G	92	5.552G
93	5.687G	94	5.447G	95	5.707G	96	5.544G
97	5.524G	98	5.678G	99	5.565G	100	5.693G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_06							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.428G	2	5.364G	3	5.520G	4	5.462G
5	5.451G	6	5.316G	7	5.627G	8	5.576G
9	5.721G	10	5.710G	11	5.346G	12	5.562G
13	5.656G	14	5.494G	15	5.530G	16	5.477G
17	5.333G	18	5.502G	19	5.662G	20	5.688G
21	5.362G	22	5.489G	23	5.429G	24	5.390G
25	5.469G	26	5.544G	27	5.552G	28	5.328G
29	5.459G	30	5.330G	31	5.368G	32	5.324G
33	5.540G	34	5.250G	35	5.441G	36	5.373G
37	5.312G	38	5.653G	39	5.449G	40	5.602G
41	5.263G	42	5.666G	43	5.640G	44	5.331G
45	5.718G	46	5.686G	47	5.447G	48	5.703G
49	5.587G	50	5.300G	51	5.286G	52	5.635G
53	5.471G	54	5.340G	55	5.578G	56	5.335G
57	5.560G	58	5.654G	59	5.557G	60	5.254G
61	5.301G	62	5.683G	63	5.488G	64	5.402G
65	5.706G	66	5.419G	67	5.280G	68	5.584G
69	5.465G	70	5.506G	71	5.468G	72	5.660G
73	5.367G	74	5.687G	75	5.617G	76	5.694G
77	5.443G	78	5.514G	79	5.422G	80	5.621G
81	5.445G	82	5.674G	83	5.452G	84	5.524G
85	5.574G	86	5.277G	87	5.421G	88	5.337G
89	5.339G	90	5.588G	91	5.607G	92	5.406G
93	5.642G	94	5.543G	95	5.678G	96	5.432G
97	5.415G	98	5.350G	99	5.356G	100	5.632G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_07							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.287G	2	5.659G	3	5.307G	4	5.566G
5	5.275G	6	5.345G	7	5.671G	8	5.358G
9	5.266G	10	5.431G	11	5.669G	12	5.299G
13	5.295G	14	5.653G	15	5.675G	16	5.297G
17	5.478G	18	5.407G	19	5.400G	20	5.677G
21	5.260G	22	5.519G	23	5.689G	24	5.613G
25	5.545G	26	5.444G	27	5.670G	28	5.626G
29	5.687G	30	5.546G	31	5.342G	32	5.477G
33	5.499G	34	5.331G	35	5.553G	36	5.322G
37	5.602G	38	5.392G	39	5.583G	40	5.427G
41	5.488G	42	5.362G	43	5.443G	44	5.465G
45	5.378G	46	5.394G	47	5.530G	48	5.296G
49	5.366G	50	5.304G	51	5.655G	52	5.628G
53	5.712G	54	5.586G	55	5.603G	56	5.406G
57	5.288G	58	5.577G	59	5.280G	60	5.344G
61	5.574G	62	5.502G	63	5.672G	64	5.480G
65	5.463G	66	5.333G	67	5.514G	68	5.587G
69	5.308G	70	5.666G	71	5.270G	72	5.648G
73	5.315G	74	5.372G	75	5.409G	76	5.479G
77	5.305G	78	5.273G	79	5.578G	80	5.498G
81	5.550G	82	5.441G	83	5.652G	84	5.699G
85	5.452G	86	5.565G	87	5.428G	88	5.651G
89	5.621G	90	5.415G	91	5.475G	92	5.376G
93	5.597G	94	5.558G	95	5.282G	96	5.525G
97	5.575G	98	5.658G	99	5.491G	100	5.398G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_08							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.411G	2	5.368G	3	5.344G	4	5.690G
5	5.584G	6	5.434G	7	5.364G	8	5.557G
9	5.500G	10	5.312G	11	5.583G	12	5.421G
13	5.551G	14	5.722G	15	5.288G	16	5.266G
17	5.354G	18	5.548G	19	5.693G	20	5.541G
21	5.441G	22	5.713G	23	5.270G	24	5.277G
25	5.463G	26	5.258G	27	5.629G	28	5.622G
29	5.422G	30	5.699G	31	5.313G	32	5.478G
33	5.409G	34	5.544G	35	5.724G	36	5.305G
37	5.606G	38	5.331G	39	5.663G	40	5.470G
41	5.464G	42	5.380G	43	5.711G	44	5.320G
45	5.586G	46	5.599G	47	5.282G	48	5.329G
49	5.281G	50	5.601G	51	5.485G	52	5.263G
53	5.318G	54	5.542G	55	5.558G	56	5.294G
57	5.410G	58	5.466G	59	5.290G	60	5.448G
61	5.633G	62	5.479G	63	5.404G	64	5.647G
65	5.360G	66	5.252G	67	5.592G	68	5.274G
69	5.388G	70	5.435G	71	5.308G	72	5.675G
73	5.539G	74	5.440G	75	5.474G	76	5.356G
77	5.264G	78	5.498G	79	5.413G	80	5.594G
81	5.278G	82	5.321G	83	5.292G	84	5.461G
85	5.407G	86	5.508G	87	5.524G	88	5.293G
89	5.481G	90	5.325G	91	5.672G	92	5.645G
93	5.532G	94	5.565G	95	5.494G	96	5.430G
97	5.451G	98	5.283G	99	5.398G	100	5.575G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_09							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.485G	2	5.472G	3	5.354G	4	5.269G
5	5.440G	6	5.567G	7	5.625G	8	5.521G
9	5.402G	10	5.282G	11	5.627G	12	5.536G
13	5.634G	14	5.541G	15	5.686G	16	5.707G
17	5.618G	18	5.459G	19	5.687G	20	5.638G
21	5.724G	22	5.264G	23	5.277G	24	5.695G
25	5.468G	26	5.519G	27	5.430G	28	5.547G
29	5.692G	30	5.303G	31	5.623G	32	5.327G
33	5.611G	34	5.642G	35	5.700G	36	5.484G
37	5.438G	38	5.713G	39	5.411G	40	5.439G
41	5.482G	42	5.723G	43	5.339G	44	5.721G
45	5.635G	46	5.577G	47	5.668G	48	5.545G
49	5.646G	50	5.374G	51	5.498G	52	5.689G
53	5.506G	54	5.534G	55	5.580G	56	5.395G
57	5.715G	58	5.453G	59	5.504G	60	5.444G
61	5.422G	62	5.386G	63	5.255G	64	5.447G
65	5.415G	66	5.495G	67	5.292G	68	5.398G
69	5.372G	70	5.272G	71	5.645G	72	5.560G
73	5.487G	74	5.312G	75	5.433G	76	5.659G
77	5.466G	78	5.677G	79	5.344G	80	5.716G
81	5.360G	82	5.650G	83	5.693G	84	5.518G
85	5.423G	86	5.353G	87	5.489G	88	5.607G
89	5.662G	90	5.366G	91	5.390G	92	5.351G
93	5.397G	94	5.478G	95	5.284G	96	5.612G
97	5.622G	98	5.717G	99	5.347G	100	5.309G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_10							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.481G	2	5.630G	3	5.272G	4	5.330G
5	5.397G	6	5.479G	7	5.526G	8	5.565G
9	5.516G	10	5.600G	11	5.435G	12	5.615G
13	5.427G	14	5.438G	15	5.346G	16	5.567G
17	5.612G	18	5.378G	19	5.413G	20	5.716G
21	5.484G	22	5.684G	23	5.608G	24	5.680G
25	5.292G	26	5.401G	27	5.453G	28	5.568G
29	5.487G	30	5.593G	31	5.621G	32	5.403G
33	5.386G	34	5.410G	35	5.693G	36	5.300G
37	5.678G	38	5.490G	39	5.477G	40	5.360G
41	5.476G	42	5.388G	43	5.273G	44	5.478G
45	5.281G	46	5.681G	47	5.362G	48	5.498G
49	5.571G	50	5.305G	51	5.712G	52	5.535G
53	5.576G	54	5.588G	55	5.651G	56	5.645G
57	5.444G	58	5.294G	59	5.332G	60	5.380G
61	5.668G	62	5.320G	63	5.616G	64	5.488G
65	5.312G	66	5.702G	67	5.471G	68	5.585G
69	5.299G	70	5.622G	71	5.267G	72	5.719G
73	5.671G	74	5.286G	75	5.666G	76	5.685G
77	5.411G	78	5.464G	79	5.614G	80	5.591G
81	5.715G	82	5.348G	83	5.268G	84	5.254G
85	5.277G	86	5.303G	87	5.544G	88	5.660G
89	5.417G	90	5.370G	91	5.470G	92	5.524G
93	5.627G	94	5.570G	95	5.365G	96	5.573G
97	5.564G	98	5.604G	99	5.363G	100	5.494G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_11							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.578G	2	5.317G	3	5.274G	4	5.379G
5	5.458G	6	5.433G	7	5.513G	8	5.488G
9	5.345G	10	5.674G	11	5.380G	12	5.630G
13	5.497G	14	5.519G	15	5.677G	16	5.687G
17	5.529G	18	5.610G	19	5.277G	20	5.323G
21	5.399G	22	5.571G	23	5.640G	24	5.675G
25	5.266G	26	5.422G	27	5.712G	28	5.441G
29	5.348G	30	5.655G	31	5.288G	32	5.435G
33	5.366G	34	5.474G	35	5.489G	36	5.403G
37	5.291G	38	5.293G	39	5.264G	40	5.572G
41	5.414G	42	5.701G	43	5.349G	44	5.301G
45	5.568G	46	5.718G	47	5.304G	48	5.703G
49	5.581G	50	5.423G	51	5.364G	52	5.415G
53	5.286G	54	5.592G	55	5.411G	56	5.271G
57	5.626G	58	5.649G	59	5.368G	60	5.672G
61	5.537G	62	5.617G	63	5.517G	64	5.356G
65	5.524G	66	5.566G	67	5.385G	68	5.521G
69	5.430G	70	5.582G	71	5.586G	72	5.326G
73	5.541G	74	5.700G	75	5.495G	76	5.371G
77	5.542G	78	5.363G	79	5.455G	80	5.462G
81	5.279G	82	5.612G	83	5.410G	84	5.254G
85	5.255G	86	5.502G	87	5.306G	88	5.577G
89	5.689G	90	5.573G	91	5.469G	92	5.533G
93	5.390G	94	5.505G	95	5.318G	96	5.584G
97	5.554G	98	5.285G	99	5.354G	100	5.504G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_12							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.719G	2	5.343G	3	5.656G	4	5.382G
5	5.635G	6	5.718G	7	5.603G	8	5.641G
9	5.252G	10	5.280G	11	5.602G	12	5.251G
13	5.327G	14	5.406G	15	5.390G	16	5.552G
17	5.306G	18	5.401G	19	5.485G	20	5.516G
21	5.429G	22	5.546G	23	5.384G	24	5.398G
25	5.646G	26	5.545G	27	5.695G	28	5.290G
29	5.417G	30	5.385G	31	5.332G	32	5.630G
33	5.463G	34	5.539G	35	5.354G	36	5.697G
37	5.460G	38	5.454G	39	5.288G	40	5.377G
41	5.674G	42	5.554G	43	5.563G	44	5.421G
45	5.705G	46	5.465G	47	5.596G	48	5.403G
49	5.282G	50	5.561G	51	5.423G	52	5.532G
53	5.661G	54	5.702G	55	5.270G	56	5.531G
57	5.622G	58	5.496G	59	5.475G	60	5.263G
61	5.722G	62	5.692G	63	5.507G	64	5.490G
65	5.577G	66	5.361G	67	5.677G	68	5.671G
69	5.680G	70	5.325G	71	5.480G	72	5.553G
73	5.365G	74	5.589G	75	5.425G	76	5.268G
77	5.411G	78	5.472G	79	5.402G	80	5.500G
81	5.537G	82	5.491G	83	5.275G	84	5.569G
85	5.710G	86	5.459G	87	5.593G	88	5.559G
89	5.269G	90	5.279G	91	5.267G	92	5.456G
93	5.707G	94	5.488G	95	5.391G	96	5.660G
97	5.273G	98	5.359G	99	5.312G	100	5.348G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_13							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.364G	2	5.625G	3	5.423G	4	5.303G
5	5.662G	6	5.422G	7	5.613G	8	5.714G
9	5.343G	10	5.624G	11	5.647G	12	5.465G
13	5.569G	14	5.431G	15	5.479G	16	5.253G
17	5.594G	18	5.407G	19	5.584G	20	5.586G
21	5.447G	22	5.611G	23	5.397G	24	5.332G
25	5.398G	26	5.677G	27	5.354G	28	5.412G
29	5.335G	30	5.436G	31	5.301G	32	5.531G
33	5.267G	34	5.574G	35	5.283G	36	5.350G
37	5.302G	38	5.496G	39	5.435G	40	5.641G
41	5.324G	42	5.668G	43	5.306G	44	5.580G
45	5.627G	46	5.690G	47	5.575G	48	5.316G
49	5.363G	50	5.598G	51	5.342G	52	5.259G
53	5.353G	54	5.693G	55	5.634G	56	5.645G
57	5.669G	58	5.699G	59	5.518G	60	5.428G
61	5.405G	62	5.461G	63	5.382G	64	5.675G
65	5.383G	66	5.495G	67	5.402G	68	5.430G
69	5.380G	70	5.500G	71	5.515G	72	5.401G
73	5.389G	74	5.387G	75	5.617G	76	5.512G
77	5.258G	78	5.633G	79	5.295G	80	5.378G
81	5.706G	82	5.257G	83	5.336G	84	5.686G
85	5.592G	86	5.450G	87	5.440G	88	5.572G
89	5.723G	90	5.670G	91	5.375G	92	5.252G
93	5.469G	94	5.374G	95	5.568G	96	5.437G
97	5.590G	98	5.536G	99	5.649G	100	5.605G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_14							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.345G	2	5.310G	3	5.498G	4	5.355G
5	5.505G	6	5.454G	7	5.495G	8	5.631G
9	5.497G	10	5.358G	11	5.380G	12	5.432G
13	5.291G	14	5.512G	15	5.593G	16	5.456G
17	5.523G	18	5.397G	19	5.474G	20	5.531G
21	5.487G	22	5.599G	23	5.650G	24	5.332G
25	5.657G	26	5.713G	27	5.551G	28	5.283G
29	5.340G	30	5.680G	31	5.470G	32	5.414G
33	5.494G	34	5.706G	35	5.263G	36	5.404G
37	5.446G	38	5.686G	39	5.401G	40	5.529G
41	5.433G	42	5.360G	43	5.420G	44	5.621G
45	5.520G	46	5.254G	47	5.588G	48	5.608G
49	5.543G	50	5.264G	51	5.395G	52	5.628G
53	5.277G	54	5.338G	55	5.552G	56	5.648G
57	5.295G	58	5.435G	59	5.625G	60	5.682G
61	5.326G	62	5.317G	63	5.618G	64	5.389G
65	5.294G	66	5.481G	67	5.637G	68	5.288G
69	5.250G	70	5.601G	71	5.313G	72	5.556G
73	5.507G	74	5.534G	75	5.696G	76	5.549G
77	5.546G	78	5.708G	79	5.571G	80	5.663G
81	5.271G	82	5.695G	83	5.488G	84	5.354G
85	5.438G	86	5.449G	87	5.453G	88	5.287G
89	5.265G	90	5.672G	91	5.431G	92	5.640G
93	5.445G	94	5.537G	95	5.348G	96	5.300G
97	5.544G	98	5.597G	99	5.405G	100	5.656G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_15							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.628G	2	5.467G	3	5.683G	4	5.323G
5	5.459G	6	5.416G	7	5.450G	8	5.523G
9	5.311G	10	5.386G	11	5.443G	12	5.457G
13	5.266G	14	5.270G	15	5.496G	16	5.510G
17	5.353G	18	5.491G	19	5.350G	20	5.646G
21	5.512G	22	5.354G	23	5.494G	24	5.482G
25	5.622G	26	5.724G	27	5.537G	28	5.426G
29	5.549G	30	5.623G	31	5.522G	32	5.463G
33	5.621G	34	5.651G	35	5.696G	36	5.634G
37	5.303G	38	5.263G	39	5.710G	40	5.680G
41	5.544G	42	5.687G	43	5.682G	44	5.519G
45	5.504G	46	5.703G	47	5.585G	48	5.543G
49	5.576G	50	5.412G	51	5.346G	52	5.518G
53	5.349G	54	5.681G	55	5.417G	56	5.691G
57	5.472G	58	5.275G	59	5.577G	60	5.648G
61	5.509G	62	5.404G	63	5.521G	64	5.538G
65	5.592G	66	5.671G	67	5.406G	68	5.310G
69	5.378G	70	5.501G	71	5.639G	72	5.568G
73	5.720G	74	5.273G	75	5.374G	76	5.660G
77	5.410G	78	5.423G	79	5.340G	80	5.251G
81	5.429G	82	5.296G	83	5.620G	84	5.278G
85	5.563G	86	5.447G	87	5.595G	88	5.606G
89	5.596G	90	5.348G	91	5.396G	92	5.483G
93	5.657G	94	5.654G	95	5.645G	96	5.330G
97	5.327G	98	5.711G	99	5.714G	100	5.599G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_16							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.662G	2	5.598G	3	5.558G	4	5.534G
5	5.440G	6	5.481G	7	5.705G	8	5.252G
9	5.713G	10	5.284G	11	5.648G	12	5.722G
13	5.525G	14	5.699G	15	5.311G	16	5.641G
17	5.591G	18	5.432G	19	5.588G	20	5.513G
21	5.633G	22	5.377G	23	5.695G	24	5.426G
25	5.462G	26	5.357G	27	5.697G	28	5.514G
29	5.364G	30	5.275G	31	5.369G	32	5.406G
33	5.398G	34	5.487G	35	5.366G	36	5.675G
37	5.355G	38	5.385G	39	5.723G	40	5.640G
41	5.397G	42	5.287G	43	5.606G	44	5.533G
45	5.582G	46	5.664G	47	5.529G	48	5.624G
49	5.652G	50	5.347G	51	5.682G	52	5.508G
53	5.349G	54	5.423G	55	5.645G	56	5.308G
57	5.475G	58	5.692G	59	5.604G	60	5.564G
61	5.644G	62	5.407G	63	5.255G	64	5.457G
65	5.254G	66	5.635G	67	5.570G	68	5.718G
69	5.485G	70	5.715G	71	5.489G	72	5.410G
73	5.322G	74	5.342G	75	5.613G	76	5.656G
77	5.310G	78	5.560G	79	5.420G	80	5.305G
81	5.501G	82	5.659G	83	5.425G	84	5.464G
85	5.563G	86	5.523G	87	5.496G	88	5.439G
89	5.362G	90	5.339G	91	5.467G	92	5.285G
93	5.614G	94	5.609G	95	5.335G	96	5.421G
97	5.350G	98	5.647G	99	5.687G	100	5.706G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_17							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.252G	2	5.295G	3	5.619G	4	5.458G
5	5.453G	6	5.318G	7	5.526G	8	5.372G
9	5.300G	10	5.308G	11	5.605G	12	5.666G
13	5.405G	14	5.671G	15	5.436G	16	5.613G
17	5.455G	18	5.375G	19	5.329G	20	5.502G
21	5.414G	22	5.278G	23	5.514G	24	5.319G
25	5.382G	26	5.370G	27	5.322G	28	5.489G
29	5.478G	30	5.299G	31	5.555G	32	5.393G
33	5.439G	34	5.704G	35	5.709G	36	5.419G
37	5.457G	38	5.635G	39	5.314G	40	5.724G
41	5.584G	42	5.263G	43	5.409G	44	5.601G
45	5.633G	46	5.553G	47	5.696G	48	5.350G
49	5.477G	50	5.616G	51	5.386G	52	5.392G
53	5.636G	54	5.351G	55	5.602G	56	5.698G
57	5.441G	58	5.268G	59	5.651G	60	5.707G
61	5.251G	62	5.260G	63	5.547G	64	5.529G
65	5.500G	66	5.505G	67	5.447G	68	5.662G
69	5.326G	70	5.277G	71	5.418G	72	5.525G
73	5.665G	74	5.538G	75	5.496G	76	5.324G
77	5.539G	78	5.307G	79	5.706G	80	5.545G
81	5.607G	82	5.579G	83	5.593G	84	5.371G
85	5.673G	86	5.642G	87	5.720G	88	5.424G
89	5.430G	90	5.407G	91	5.376G	92	5.333G
93	5.415G	94	5.279G	95	5.687G	96	5.530G
97	5.638G	98	5.550G	99	5.384G	100	5.410G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_18							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.662G	2	5.284G	3	5.577G	4	5.321G
5	5.596G	6	5.604G	7	5.277G	8	5.295G
9	5.359G	10	5.358G	11	5.466G	12	5.628G
13	5.287G	14	5.279G	15	5.499G	16	5.573G
17	5.337G	18	5.706G	19	5.459G	20	5.448G
21	5.574G	22	5.368G	23	5.327G	24	5.617G
25	5.498G	26	5.583G	27	5.511G	28	5.257G
29	5.658G	30	5.560G	31	5.291G	32	5.391G
33	5.697G	34	5.530G	35	5.371G	36	5.695G
37	5.719G	38	5.398G	39	5.559G	40	5.301G
41	5.556G	42	5.393G	43	5.481G	44	5.537G
45	5.532G	46	5.508G	47	5.567G	48	5.320G
49	5.613G	50	5.509G	51	5.674G	52	5.616G
53	5.318G	54	5.701G	55	5.461G	56	5.581G
57	5.474G	58	5.618G	59	5.437G	60	5.349G
61	5.251G	62	5.347G	63	5.383G	64	5.565G
65	5.357G	66	5.334G	67	5.588G	68	5.304G
69	5.522G	70	5.280G	71	5.579G	72	5.250G
73	5.520G	74	5.385G	75	5.611G	76	5.408G
77	5.374G	78	5.480G	79	5.501G	80	5.724G
81	5.275G	82	5.286G	83	5.615G	84	5.655G
85	5.396G	86	5.394G	87	5.601G	88	5.591G
89	5.272G	90	5.561G	91	5.519G	92	5.660G
93	5.420G	94	5.315G	95	5.652G	96	5.670G
97	5.305G	98	5.627G	99	5.589G	100	5.490G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_19							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.703G	2	5.393G	3	5.370G	4	5.294G
5	5.627G	6	5.507G	7	5.589G	8	5.587G
9	5.581G	10	5.643G	11	5.426G	12	5.526G
13	5.487G	14	5.693G	15	5.505G	16	5.302G
17	5.645G	18	5.331G	19	5.400G	20	5.662G
21	5.676G	22	5.319G	23	5.710G	24	5.720G
25	5.641G	26	5.569G	27	5.652G	28	5.480G
29	5.375G	30	5.474G	31	5.409G	32	5.556G
33	5.580G	34	5.488G	35	5.518G	36	5.282G
37	5.543G	38	5.465G	39	5.446G	40	5.629G
41	5.357G	42	5.343G	43	5.339G	44	5.628G
45	5.485G	46	5.577G	47	5.509G	48	5.427G
49	5.639G	50	5.666G	51	5.523G	52	5.574G
53	5.476G	54	5.617G	55	5.348G	56	5.671G
57	5.334G	58	5.713G	59	5.406G	60	5.551G
61	5.468G	62	5.572G	63	5.314G	64	5.608G
65	5.363G	66	5.332G	67	5.388G	68	5.273G
69	5.341G	70	5.391G	71	5.444G	72	5.313G
73	5.317G	74	5.500G	75	5.524G	76	5.418G
77	5.484G	78	5.665G	79	5.272G	80	5.361G
81	5.489G	82	5.352G	83	5.353G	84	5.724G
85	5.655G	86	5.374G	87	5.521G	88	5.684G
89	5.559G	90	5.327G	91	5.433G	92	5.453G
93	5.278G	94	5.548G	95	5.557G	96	5.308G
97	5.396G	98	5.578G	99	5.473G	100	5.454G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_20							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.702G	2	5.617G	3	5.307G	4	5.432G
5	5.334G	6	5.699G	7	5.448G	8	5.341G
9	5.455G	10	5.261G	11	5.277G	12	5.682G
13	5.395G	14	5.380G	15	5.363G	16	5.469G
17	5.681G	18	5.708G	19	5.634G	20	5.345G
21	5.666G	22	5.629G	23	5.611G	24	5.529G
25	5.456G	26	5.714G	27	5.451G	28	5.462G
29	5.415G	30	5.265G	31	5.692G	32	5.320G
33	5.481G	34	5.442G	35	5.510G	36	5.599G
37	5.330G	38	5.519G	39	5.423G	40	5.626G
41	5.273G	42	5.300G	43	5.439G	44	5.604G
45	5.560G	46	5.393G	47	5.444G	48	5.346G
49	5.514G	50	5.625G	51	5.419G	52	5.565G
53	5.557G	54	5.515G	55	5.464G	56	5.631G
57	5.658G	58	5.578G	59	5.632G	60	5.316G
61	5.259G	62	5.614G	63	5.418G	64	5.434G
65	5.653G	66	5.475G	67	5.274G	68	5.662G
69	5.264G	70	5.450G	71	5.621G	72	5.441G
73	5.577G	74	5.371G	75	5.504G	76	5.645G
77	5.606G	78	5.696G	79	5.561G	80	5.719G
81	5.457G	82	5.646G	83	5.431G	84	5.447G
85	5.698G	86	5.352G	87	5.694G	88	5.518G
89	5.255G	90	5.391G	91	5.424G	92	5.687G
93	5.664G	94	5.353G	95	5.468G	96	5.680G
97	5.324G	98	5.286G	99	5.397G	100	5.349G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_21							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.597G	2	5.403G	3	5.486G	4	5.396G
5	5.367G	6	5.325G	7	5.317G	8	5.719G
9	5.278G	10	5.441G	11	5.564G	12	5.358G
13	5.318G	14	5.524G	15	5.368G	16	5.340G
17	5.626G	18	5.351G	19	5.330G	20	5.393G
21	5.689G	22	5.490G	23	5.348G	24	5.639G
25	5.385G	26	5.315G	27	5.272G	28	5.600G
29	5.390G	30	5.319G	31	5.482G	32	5.723G
33	5.282G	34	5.280G	35	5.534G	36	5.260G
37	5.715G	38	5.563G	39	5.428G	40	5.703G
41	5.724G	42	5.664G	43	5.531G	44	5.608G
45	5.302G	46	5.425G	47	5.395G	48	5.451G
49	5.295G	50	5.498G	51	5.429G	52	5.305G
53	5.602G	54	5.646G	55	5.455G	56	5.555G
57	5.586G	58	5.546G	59	5.501G	60	5.473G
61	5.699G	62	5.353G	63	5.276G	64	5.349G
65	5.459G	66	5.268G	67	5.548G	68	5.521G
69	5.667G	70	5.398G	71	5.550G	72	5.659G
73	5.508G	74	5.500G	75	5.517G	76	5.685G
77	5.575G	78	5.292G	79	5.383G	80	5.642G
81	5.619G	82	5.690G	83	5.559G	84	5.316G
85	5.506G	86	5.529G	87	5.300G	88	5.298G
89	5.326G	90	5.504G	91	5.722G	92	5.696G
93	5.404G	94	5.662G	95	5.554G	96	5.419G
97	5.536G	98	5.261G	99	5.388G	100	5.267G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_22							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.344G	2	5.446G	3	5.479G	4	5.458G
5	5.705G	6	5.538G	7	5.291G	8	5.524G
9	5.468G	10	5.546G	11	5.408G	12	5.594G
13	5.490G	14	5.669G	15	5.676G	16	5.373G
17	5.403G	18	5.438G	19	5.609G	20	5.309G
21	5.420G	22	5.295G	23	5.252G	24	5.589G
25	5.673G	26	5.409G	27	5.432G	28	5.454G
29	5.290G	30	5.419G	31	5.518G	32	5.473G
33	5.703G	34	5.312G	35	5.573G	36	5.435G
37	5.276G	38	5.385G	39	5.555G	40	5.284G
41	5.430G	42	5.655G	43	5.302G	44	5.440G
45	5.682G	46	5.675G	47	5.539G	48	5.364G
49	5.441G	50	5.460G	51	5.469G	52	5.612G
53	5.269G	54	5.463G	55	5.529G	56	5.426G
57	5.348G	58	5.374G	59	5.602G	60	5.640G
61	5.288G	62	5.583G	63	5.421G	64	5.540G
65	5.478G	66	5.658G	67	5.289G	68	5.559G
69	5.693G	70	5.641G	71	5.347G	72	5.407G
73	5.714G	74	5.358G	75	5.685G	76	5.360G
77	5.605G	78	5.378G	79	5.698G	80	5.494G
81	5.380G	82	5.701G	83	5.261G	84	5.329G
85	5.606G	86	5.387G	87	5.484G	88	5.502G
89	5.560G	90	5.625G	91	5.328G	92	5.643G
93	5.281G	94	5.433G	95	5.563G	96	5.533G
97	5.266G	98	5.396G	99	5.692G	100	5.565G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_23							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.568G	2	5.302G	3	5.356G	4	5.532G
5	5.449G	6	5.515G	7	5.702G	8	5.721G
9	5.623G	10	5.342G	11	5.466G	12	5.434G
13	5.261G	14	5.440G	15	5.332G	16	5.648G
17	5.276G	18	5.579G	19	5.710G	20	5.467G
21	5.633G	22	5.694G	23	5.677G	24	5.552G
25	5.444G	26	5.684G	27	5.508G	28	5.624G
29	5.468G	30	5.279G	31	5.535G	32	5.723G
33	5.413G	34	5.611G	35	5.478G	36	5.546G
37	5.460G	38	5.666G	39	5.414G	40	5.443G
41	5.407G	42	5.550G	43	5.275G	44	5.349G
45	5.427G	46	5.452G	47	5.252G	48	5.709G
49	5.533G	50	5.453G	51	5.695G	52	5.372G
53	5.471G	54	5.291G	55	5.319G	56	5.523G
57	5.365G	58	5.607G	59	5.368G	60	5.285G
61	5.330G	62	5.530G	63	5.335G	64	5.257G
65	5.697G	66	5.265G	67	5.289G	68	5.415G
69	5.338G	70	5.639G	71	5.643G	72	5.371G
73	5.698G	74	5.314G	75	5.391G	76	5.296G
77	5.303G	78	5.308G	79	5.506G	80	5.673G
81	5.259G	82	5.670G	83	5.457G	84	5.671G
85	5.557G	86	5.464G	87	5.487G	88	5.346G
89	5.406G	90	5.653G	91	5.423G	92	5.386G
93	5.629G	94	5.419G	95	5.636G	96	5.320G
97	5.383G	98	5.292G	99	5.405G	100	5.300G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_24							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.485G	2	5.260G	3	5.454G	4	5.371G
5	5.275G	6	5.610G	7	5.378G	8	5.458G
9	5.561G	10	5.604G	11	5.291G	12	5.440G
13	5.662G	14	5.489G	15	5.263G	16	5.461G
17	5.669G	18	5.636G	19	5.351G	20	5.565G
21	5.612G	22	5.688G	23	5.685G	24	5.596G
25	5.691G	26	5.354G	27	5.268G	28	5.299G
29	5.373G	30	5.313G	31	5.513G	32	5.615G
33	5.252G	34	5.536G	35	5.297G	36	5.421G
37	5.330G	38	5.335G	39	5.310G	40	5.355G
41	5.709G	42	5.466G	43	5.433G	44	5.405G
45	5.486G	46	5.437G	47	5.638G	48	5.293G
49	5.710G	50	5.704G	51	5.436G	52	5.677G
53	5.634G	54	5.537G	55	5.529G	56	5.517G
57	5.432G	58	5.395G	59	5.668G	60	5.400G
61	5.282G	62	5.518G	63	5.377G	64	5.463G
65	5.452G	66	5.277G	67	5.655G	68	5.545G
69	5.509G	70	5.544G	71	5.475G	72	5.502G
73	5.428G	74	5.541G	75	5.577G	76	5.582G
77	5.358G	78	5.699G	79	5.286G	80	5.325G
81	5.474G	82	5.507G	83	5.453G	84	5.340G
85	5.254G	86	5.631G	87	5.479G	88	5.617G
89	5.530G	90	5.598G	91	5.705G	92	5.439G
93	5.539G	94	5.686G	95	5.413G	96	5.718G
97	5.456G	98	5.497G	99	5.414G	100	5.283G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_25							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.375G	2	5.680G	3	5.271G	4	5.267G
5	5.412G	6	5.422G	7	5.441G	8	5.315G
9	5.370G	10	5.485G	11	5.659G	12	5.599G
13	5.685G	14	5.546G	15	5.368G	16	5.511G
17	5.483G	18	5.723G	19	5.542G	20	5.351G
21	5.569G	22	5.658G	23	5.575G	24	5.589G
25	5.683G	26	5.662G	27	5.307G	28	5.526G
29	5.261G	30	5.326G	31	5.616G	32	5.536G
33	5.444G	34	5.471G	35	5.437G	36	5.639G
37	5.672G	38	5.323G	39	5.721G	40	5.628G
41	5.381G	42	5.337G	43	5.650G	44	5.445G
45	5.362G	46	5.571G	47	5.661G	48	5.458G
49	5.301G	50	5.283G	51	5.496G	52	5.533G
53	5.281G	54	5.289G	55	5.633G	56	5.538G
57	5.510G	58	5.646G	59	5.276G	60	5.460G
61	5.613G	62	5.474G	63	5.582G	64	5.590G
65	5.365G	66	5.663G	67	5.357G	68	5.552G
69	5.559G	70	5.257G	71	5.583G	72	5.432G
73	5.405G	74	5.654G	75	5.660G	76	5.275G
77	5.344G	78	5.285G	79	5.411G	80	5.714G
81	5.621G	82	5.424G	83	5.407G	84	5.393G
85	5.328G	86	5.638G	87	5.553G	88	5.452G
89	5.386G	90	5.478G	91	5.666G	92	5.688G
93	5.341G	94	5.521G	95	5.256G	96	5.713G
97	5.467G	98	5.325G	99	5.490G	100	5.435G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_26							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.671G	2	5.552G	3	5.277G	4	5.723G
5	5.308G	6	5.620G	7	5.381G	8	5.397G
9	5.291G	10	5.297G	11	5.315G	12	5.288G
13	5.597G	14	5.665G	15	5.331G	16	5.389G
17	5.429G	18	5.545G	19	5.686G	20	5.460G
21	5.575G	22	5.421G	23	5.706G	24	5.463G
25	5.661G	26	5.510G	27	5.549G	28	5.585G
29	5.578G	30	5.476G	31	5.644G	32	5.615G
33	5.525G	34	5.574G	35	5.312G	36	5.471G
37	5.634G	38	5.572G	39	5.553G	40	5.447G
41	5.443G	42	5.392G	43	5.370G	44	5.407G
45	5.393G	46	5.434G	47	5.491G	48	5.649G
49	5.412G	50	5.367G	51	5.436G	52	5.451G
53	5.592G	54	5.345G	55	5.478G	56	5.724G
57	5.612G	58	5.514G	59	5.632G	60	5.423G
61	5.651G	62	5.459G	63	5.413G	64	5.383G
65	5.517G	66	5.411G	67	5.330G	68	5.710G
69	5.559G	70	5.638G	71	5.337G	72	5.453G
73	5.311G	74	5.338G	75	5.557G	76	5.711G
77	5.270G	78	5.650G	79	5.616G	80	5.354G
81	5.700G	82	5.511G	83	5.426G	84	5.676G
85	5.691G	86	5.486G	87	5.675G	88	5.658G
89	5.583G	90	5.693G	91	5.433G	92	5.529G
93	5.259G	94	5.636G	95	5.369G	96	5.316G
97	5.268G	98	5.532G	99	5.498G	100	5.466G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_27							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.405G	2	5.556G	3	5.641G	4	5.418G
5	5.426G	6	5.251G	7	5.314G	8	5.378G
9	5.616G	10	5.399G	11	5.431G	12	5.268G
13	5.715G	14	5.663G	15	5.577G	16	5.670G
17	5.677G	18	5.494G	19	5.519G	20	5.448G
21	5.693G	22	5.254G	23	5.674G	24	5.412G
25	5.598G	26	5.265G	27	5.390G	28	5.340G
29	5.255G	30	5.599G	31	5.632G	32	5.292G
33	5.452G	34	5.315G	35	5.612G	36	5.665G
37	5.613G	38	5.482G	39	5.534G	40	5.283G
41	5.345G	42	5.438G	43	5.574G	44	5.401G
45	5.697G	46	5.325G	47	5.623G	48	5.307G
49	5.284G	50	5.489G	51	5.470G	52	5.260G
53	5.516G	54	5.502G	55	5.305G	56	5.636G
57	5.311G	58	5.383G	59	5.326G	60	5.631G
61	5.544G	62	5.585G	63	5.488G	64	5.626G
65	5.689G	66	5.367G	67	5.720G	68	5.391G
69	5.557G	70	5.463G	71	5.588G	72	5.517G
73	5.472G	74	5.376G	75	5.444G	76	5.571G
77	5.553G	78	5.264G	79	5.323G	80	5.329G
81	5.595G	82	5.319G	83	5.680G	84	5.504G
85	5.678G	86	5.353G	87	5.402G	88	5.433G
89	5.676G	90	5.424G	91	5.694G	92	5.608G
93	5.350G	94	5.506G	95	5.637G	96	5.609G
97	5.526G	98	5.464G	99	5.601G	100	5.567G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_28							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.621G	2	5.361G	3	5.343G	4	5.296G
5	5.302G	6	5.381G	7	5.293G	8	5.453G
9	5.437G	10	5.686G	11	5.250G	12	5.478G
13	5.535G	14	5.597G	15	5.487G	16	5.274G
17	5.722G	18	5.290G	19	5.400G	20	5.551G
21	5.640G	22	5.497G	23	5.652G	24	5.433G
25	5.718G	26	5.691G	27	5.504G	28	5.563G
29	5.285G	30	5.256G	31	5.314G	32	5.370G
33	5.538G	34	5.392G	35	5.708G	36	5.447G
37	5.560G	38	5.711G	39	5.673G	40	5.430G
41	5.719G	42	5.532G	43	5.689G	44	5.622G
45	5.628G	46	5.461G	47	5.681G	48	5.699G
49	5.638G	50	5.281G	51	5.282G	52	5.317G
53	5.533G	54	5.479G	55	5.388G	56	5.600G
57	5.395G	58	5.411G	59	5.518G	60	5.471G
61	5.463G	62	5.659G	63	5.623G	64	5.629G
65	5.472G	66	5.408G	67	5.525G	68	5.581G
69	5.404G	70	5.641G	71	5.474G	72	5.584G
73	5.598G	74	5.639G	75	5.644G	76	5.618G
77	5.603G	78	5.345G	79	5.568G	80	5.582G
81	5.410G	82	5.619G	83	5.611G	84	5.308G
85	5.270G	86	5.526G	87	5.661G	88	5.369G
89	5.414G	90	5.653G	91	5.420G	92	5.701G
93	5.594G	94	5.511G	95	5.432G	96	5.332G
97	5.506G	98	5.470G	99	5.413G	100	5.426G



A D T

Hopping Frequency Sequence Name: LGA_HOP_HT40_29							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.407G	2	5.269G	3	5.459G	4	5.516G
5	5.411G	6	5.337G	7	5.648G	8	5.697G
9	5.640G	10	5.582G	11	5.390G	12	5.485G
13	5.466G	14	5.556G	15	5.427G	16	5.364G
17	5.410G	18	5.687G	19	5.608G	20	5.680G
21	5.530G	22	5.514G	23	5.502G	24	5.318G
25	5.342G	26	5.705G	27	5.370G	28	5.633G
29	5.368G	30	5.309G	31	5.286G	32	5.552G
33	5.632G	34	5.540G	35	5.571G	36	5.570G
37	5.365G	38	5.507G	39	5.558G	40	5.450G
41	5.292G	42	5.316G	43	5.433G	44	5.546G
45	5.525G	46	5.499G	47	5.531G	48	5.675G
49	5.513G	50	5.266G	51	5.438G	52	5.471G
53	5.569G	54	5.520G	55	5.311G	56	5.543G
57	5.660G	58	5.576G	59	5.580G	60	5.534G
61	5.662G	62	5.373G	63	5.709G	64	5.426G
65	5.294G	66	5.457G	67	5.663G	68	5.585G
69	5.638G	70	5.278G	71	5.336G	72	5.454G
73	5.592G	74	5.522G	75	5.446G	76	5.474G
77	5.420G	78	5.476G	79	5.624G	80	5.436G
81	5.324G	82	5.612G	83	5.724G	84	5.609G
85	5.264G	86	5.418G	87	5.272G	88	5.631G
89	5.359G	90	5.548G	91	5.399G	92	5.339G
93	5.597G	94	5.323G	95	5.358G	96	5.310G
97	5.672G	98	5.599G	99	5.479G	100	5.350G



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Hopping Frequency Sequence Name: LGA_HOP_HT40_30							
SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)	SEQ#	Frequency (Hz)
1	5.417G	2	5.519G	3	5.383G	4	5.496G
5	5.292G	6	5.637G	7	5.693G	8	5.414G
9	5.350G	10	5.265G	11	5.586G	12	5.384G
13	5.697G	14	5.400G	15	5.630G	16	5.281G
17	5.557G	18	5.321G	19	5.263G	20	5.338G
21	5.655G	22	5.604G	23	5.682G	24	5.421G
25	5.577G	26	5.538G	27	5.558G	28	5.641G
29	5.278G	30	5.716G	31	5.698G	32	5.614G
33	5.561G	34	5.428G	35	5.339G	36	5.408G
37	5.700G	38	5.359G	39	5.252G	40	5.502G
41	5.351G	42	5.311G	43	5.393G	44	5.526G
45	5.436G	46	5.705G	47	5.315G	48	5.469G
49	5.272G	50	5.293G	51	5.474G	52	5.322G
53	5.342G	54	5.545G	55	5.571G	56	5.389G
57	5.491G	58	5.513G	59	5.411G	60	5.568G
61	5.530G	62	5.699G	63	5.510G	64	5.324G
65	5.556G	66	5.567G	67	5.340G	68	5.465G
69	5.569G	70	5.452G	71	5.326G	72	5.334G
73	5.656G	74	5.279G	75	5.560G	76	5.657G
77	5.312G	78	5.706G	79	5.565G	80	5.647G
81	5.675G	82	5.576G	83	5.579G	84	5.317G
85	5.670G	86	5.430G	87	5.344G	88	5.300G
89	5.721G	90	5.370G	91	5.497G	92	5.611G
93	5.546G	94	5.582G	95	5.285G	96	5.562G
97	5.667G	98	5.552G	99	5.320G	100	5.399G