

5.7 IN-SERVICE MONITORING: CHANNEL MOVE TIME, CHANNEL CLOSING TRANSMISSION TIME AND NON-OCCUPANCY PERIOD (7.8.3)

5.7.1 Limit of In-Service Monitoring

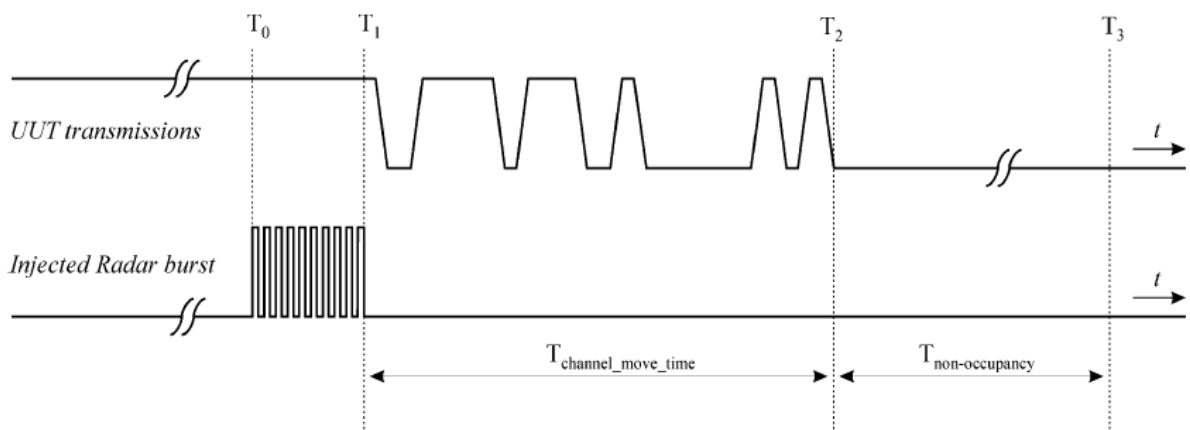
The EUT has In-Service Monitoring function to continuously monitor the radar signals, If radar is detected, it must leave the channel (Shutdown). The Channel Move Time to cease all transmissions on the current Channel upon detection of a Radar Waveform above the DFS Detection Threshold within **10 sec**.

The total duration of Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required facilitating Channel changes (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.

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

5.7.2 Test Procedures

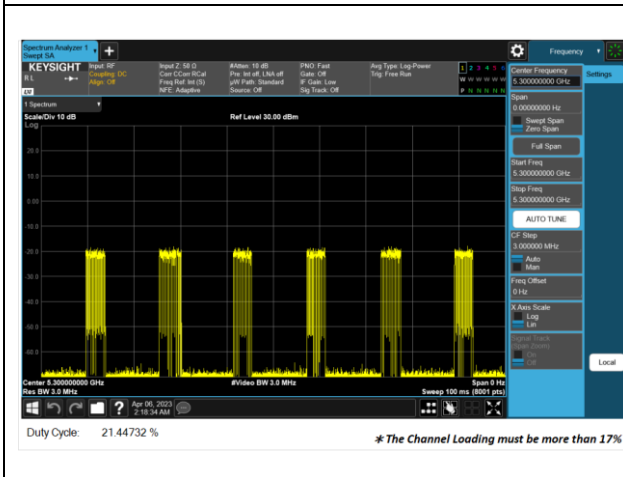
1. One frequency will be chosen from the Operating Channels of the EUT within the 5250-5350 MHz or 5470-5725 MHz bands. For 802.11 devices, the test frequency must contain control signals. This can be verified by disabling channel loading and monitoring the spectrum analyzer. If no control signals are detected, another frequency must be selected within the emission bandwidth where control signals are detected.
2. In case the EUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the EUT (Master). For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
3. The TCP protocol unicast data stream was generated by the LanTest software with at least 17% activity ratio over any 100ms period.
4. Timing plots are reported with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time).
5. At time T_0 the Radar Waveform generator sends a Burst of pulses for one of the Radar Type 0 in Table 5 at levels defined in Table 3, on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
6. Observe the transmissions of the EUT at the end of the radar Burst on the Operating Channel for duration greater than 10 seconds. Measure and record the transmissions from the EUT during the observation time (Channel Move Time). Measure and record the Channel Move Time and Channel Closing Transmission Time if radar detection occurs.
7. When operating as a Master Device, monitor the UUT for more than 30 minutes following instant T_2 to verify that the EUT does not resume any transmissions on this Channel. Perform this test once and record the measurement result.



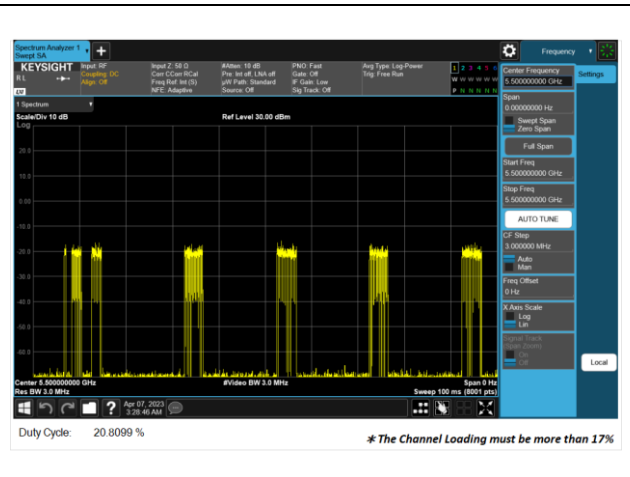
5.7.3 Result of Channel Move Time, Channel Closing Transmission Time and Non-Occupancy Period

Data Traffic Channel Loading Plots Channel Loading > 17% (Master)

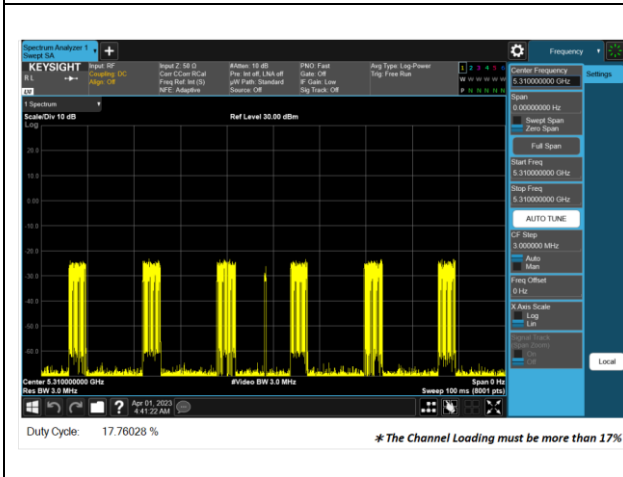
Channel Bandwidth 20MHz / 5300 MHz



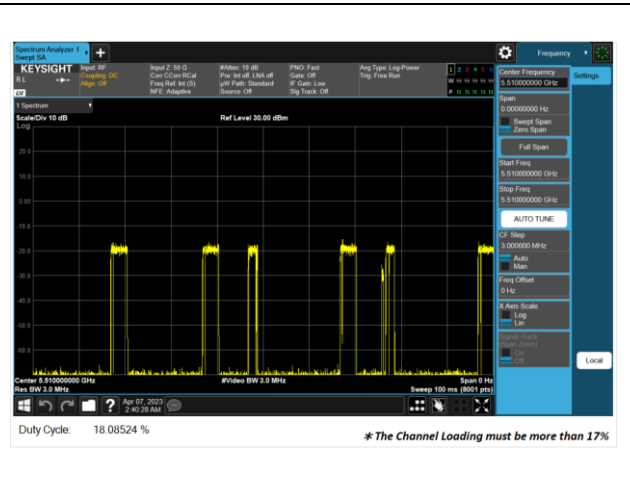
Channel Bandwidth 20MHz / 5500 MHz



Channel Bandwidth 40MHz / 5310 MHz

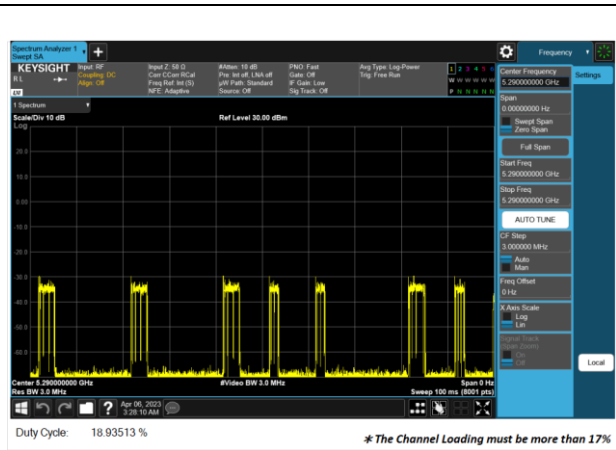


Channel Bandwidth 40MHz / 5510 MHz

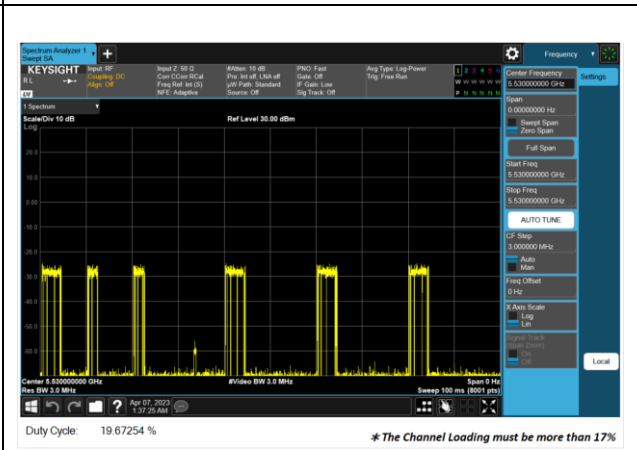


Channel Loading > 17% (Master)

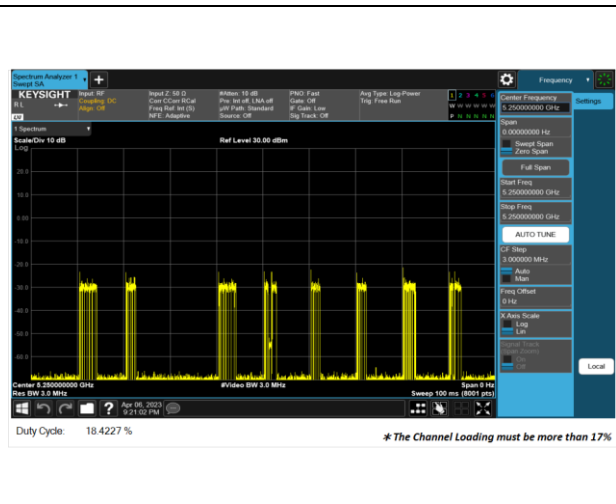
Channel Bandwidth 80MHz / 5290 MHz



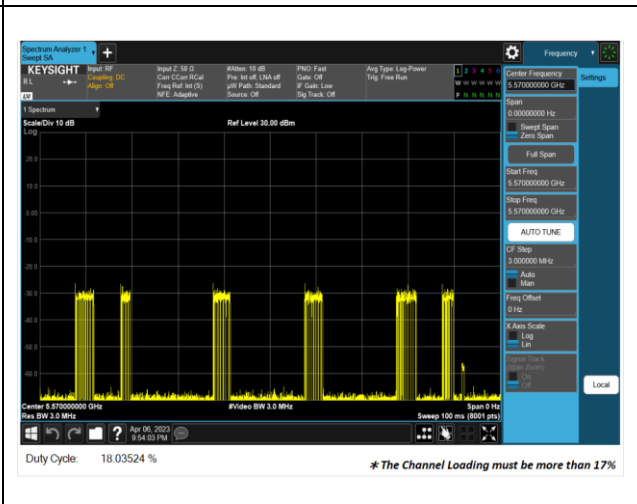
Channel Bandwidth 80MHz / 5530 MHz



Channel Bandwidth 160MHz / 5250 MHz

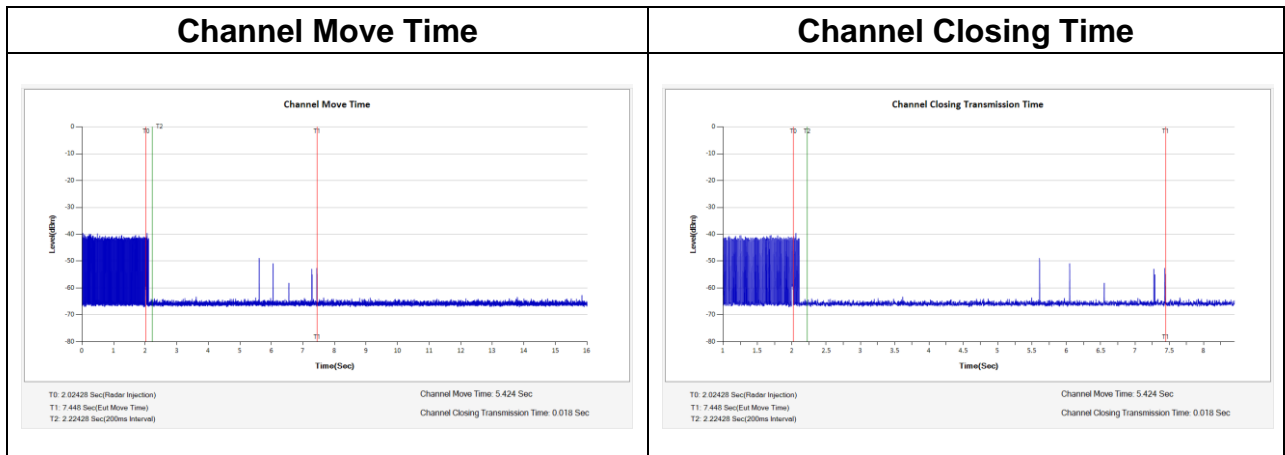


Channel Bandwidth 160MHz / 5570 MHz

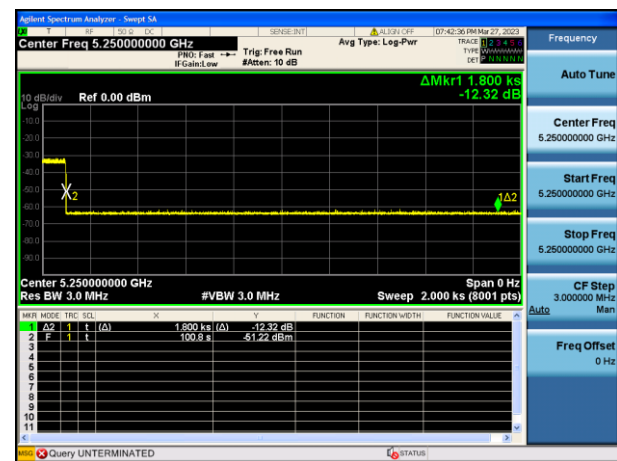


Channel Bandwidth 160MHz / 5250 MHz

Channel Shutdown Result				
Detection Threshold Level (dBm)			-64	
Modulation Mode	Freq. (MHz)	Radar Test Signal	Channel Closing Transmission Time(ms) 200ms~10sec	Channel Move Time(s)
Limit			60 ms	10 sec
Result			Complied	

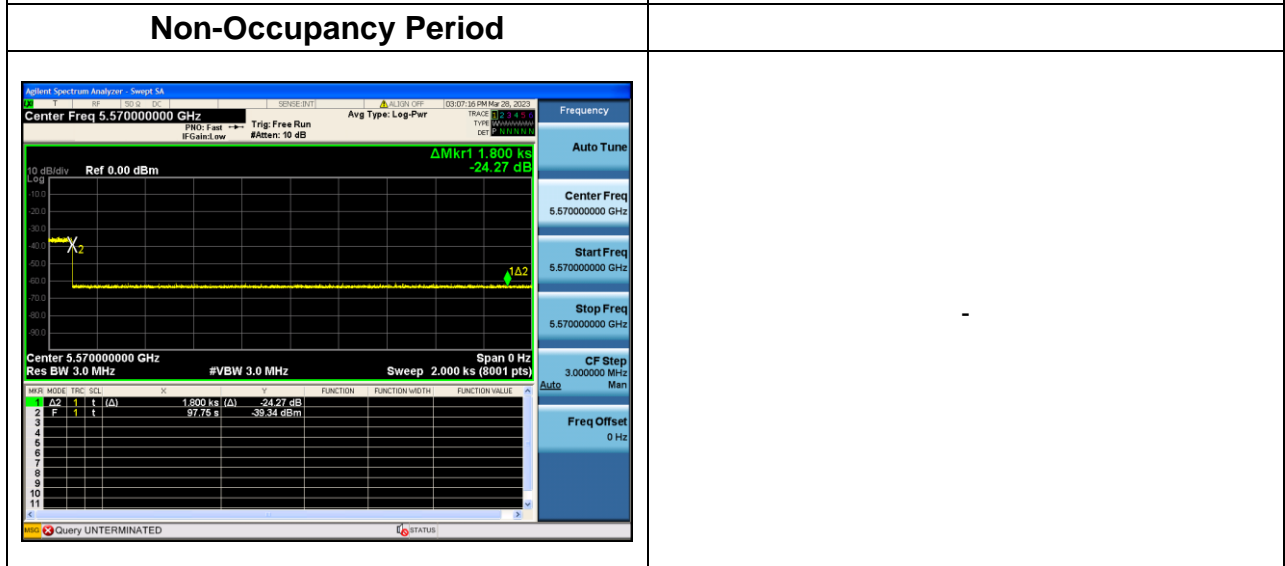
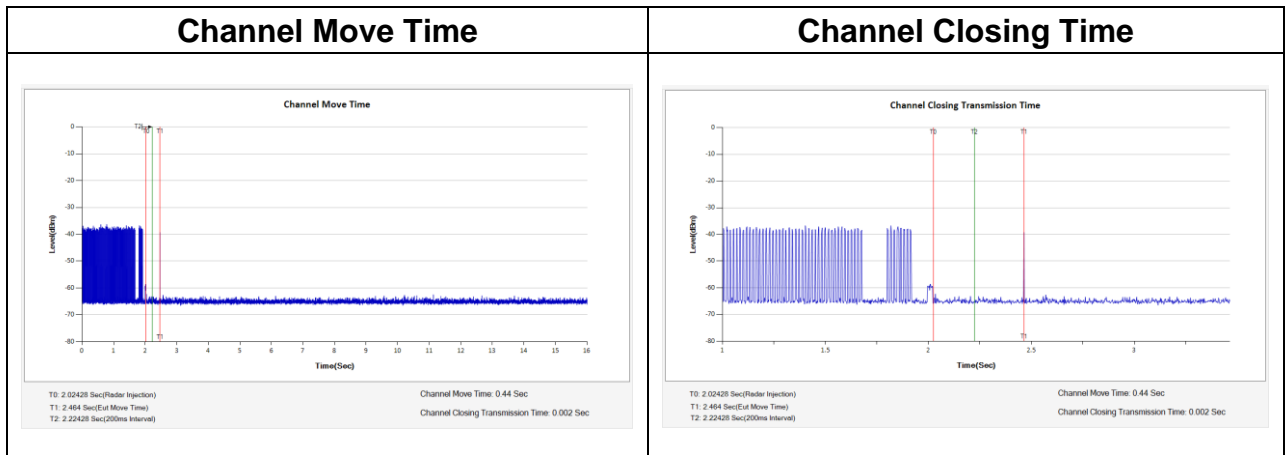


Non-Occupancy Period



Channel Bandwidth 160MHz / 5570 MHz

Channel Shutdown Result				
Detection Threshold Level (dBm)			-64	
Modulation Mode	Freq. (MHz)	Radar Test Signal	Channel Closing Transmission Time(ms) 200ms~10sec	Channel Move Time(s)
Limit			60 ms	10 sec
Result			Complied	



5.8 STATISTICAL PERFORMANCE CHECK (7.8.4)

5.8.1 Limit of Statistical Performance Check

Short Pulse Radar Test

Once the performance requirements check is complete, statistical data will be gathered, to determine the ability of the device to detect the radar test waveforms (Short Pulse Radar Types 1-4) found in Table 5. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials. The percentage of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100 = \text{Percentage of Successful Detection Radar Waveform } N = P_d N$$

In addition an aggregate minimum percentage of successful detection across all Short Pulse Radar Types 1-4 is required and is calculated as follows:

$$\frac{P_d 1 + P_d 2 + P_d 3 + P_d 4}{4}$$

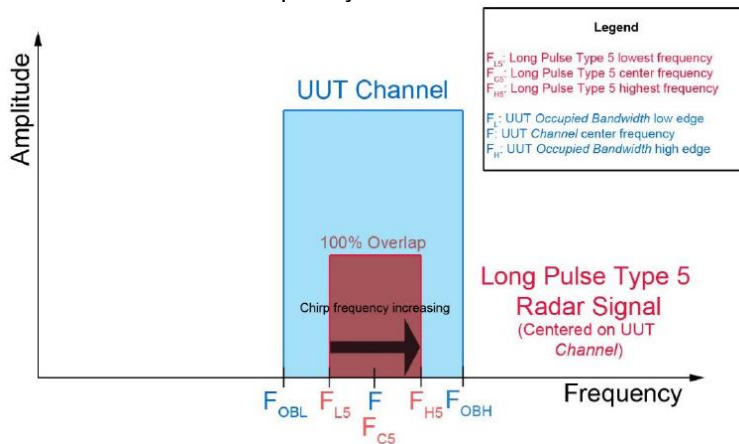
The minimum number of trails, minimum percentage of successful detection and the aggregate minimum percentage of successful detection are found in Table 5.

Long Pulse Radar Test

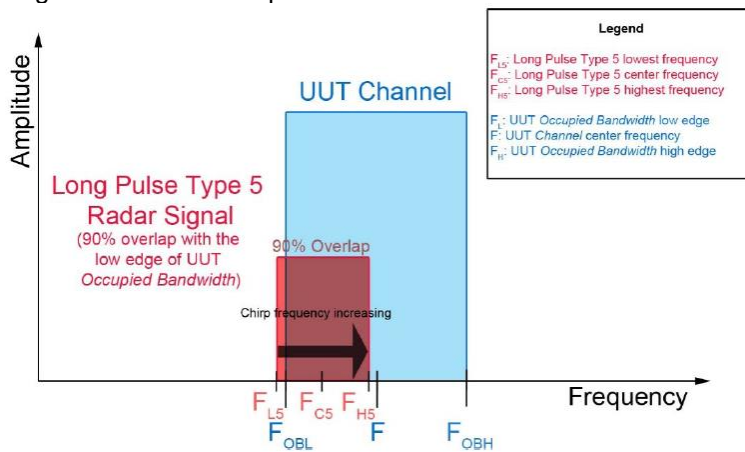
Statistical data will be gathered to determine the ability of the device to detect the Long Pulse Radar Type 5 found in Table 6. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trials.

Three subsets of trials will be performed with a minimum of ten trials per subset. The subset of trials differ in where the Long Pulse Type 5 Signal is tuned in frequency:

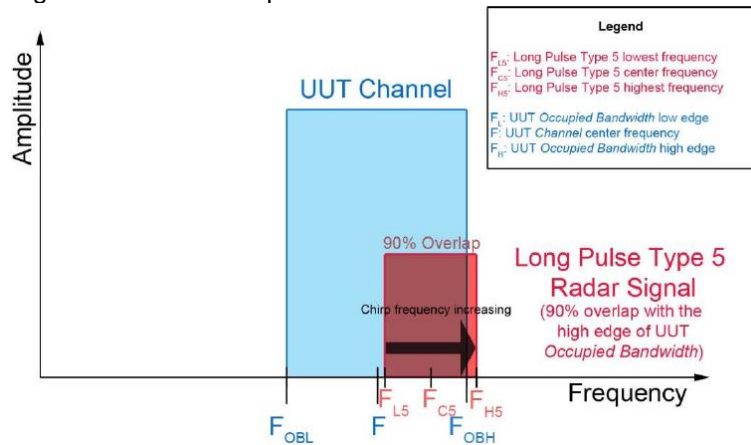
(a) The Channel center frequency.



(b) Tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the low edge of the EUT Occupied Bandwidth.



- (c) Tuned frequencies such that 90% of the Long Pulse Type 5 frequency modulation is within the high edge of the EUT Occupied Bandwidth.



For subset case 1: the center frequency of the signal generator will remain fixed at the center of the UUT Channel.

For subset case 2: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 2. The center frequency of the signal generator for each trial is calculated by:

$$F_L + (0.4 * \text{Chirp Width [in MHz]})$$

For subset case 3: to retain 90% frequency overlap between the radar signal and the UUT Occupied Bandwidth, the center frequency of the signal generator will vary for each of the ten trials in subset case 3. The center frequency of the signal generator for each trial is calculated by:

$$F_H - (0.4 * \text{Chirp Width [in MHz]})$$

The percentage of successful detection is calculated by dividing the sum of the detections for the three subsets by the sum of trials for the three subsets:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100$$

Frequency Hopping Radar Test

Statistical data will be gathered to determine the ability of the device to detect the Frequency Hopping radar test signal (radar type 6) found in Table 7. The device can utilize a test mode to demonstrate when detection occurs to prevent the need to reset the device between trial runs. The probability of successful detection is calculated by:

$$\frac{\text{TotalWaveformDetections}}{\text{TotalWaveformTrials}} \times 100$$

5.8.2 Test Procedures

1. One frequency will be chosen from the Operating Channels of the UUT within the 5250-5350 MHz or 5470-5725 MHz bands.
2. In case the UUT is a Master Device, a U-NII device operating as a Client Device will be used and it is assumed that the Client will associate with the UUT (Master). For radiated tests, the emissions of the Radar Waveform generator will be directed towards the Master Device. If the Master Device has antenna gain, the main beam of the antenna will be directed toward the radar emitter. Vertical polarization is used for testing.
3. The TCP protocol unicast data stream was generated by the LanTest software with at least 17% activity ratio over any 100ms period.
4. At time T0 the Radar Waveform generator sends a Burst of pulses for each of the Radar Types 1-6 at DFS Detection Threshold levels on the Operating Channel. An additional 1 dB is added to the radar test signal to ensure it is at or above the DFS Detection Threshold, accounting for equipment variations/errors.
5. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 10 seconds for Radar Types 1-4 and 6 to ensure detection occurs.
6. Observe the transmissions of the EUT at the end of the Burst on the Operating Channel for duration greater than 22 seconds for Long Pulse Radar Type 5 to ensure detection occurs.

Channel Bandwidth 20MHz / 5300 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	86.67		60	Pass
3	30	93.33		60	Pass
4	30	96.67		60	Pass
Aggregate (Radar Types 1-4)	120	94.1675		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	90	90	80	Pass
	Low Edge:10	100			
	High Edge:10	80			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	90		70	Pass

Channel Bandwidth 40MHz / 5310 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	100		60	Pass
3	30	96.67		60	Pass
4	30	96.67		60	Pass
Aggregate (Radar Types 1-4)	120	98.335		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	96.67	80	Pass
	Low Edge:10	90			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	80		70	Pass

Channel Bandwidth 80MHz / 5290 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	96.67		60	Pass
3	30	86.67		60	Pass
4	30	93.33		60	Pass
Aggregate (Radar Types 1-4)	120	94.1675		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	90	96.67	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

Channel Bandwidth 160MHz / 5250 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	100		60	Pass
3	30	100		60	Pass
4	30	93.33		60	Pass
Aggregate (Radar Types 1-4)	120	98.3325		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	93.33	80	Pass
	Low Edge:10	100			
	High Edge:10	80			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

Channel Bandwidth 20MHz / 5500 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	86.67		60	Pass
3	30	86.67		60	Pass
4	30	86.67		60	Pass
Aggregate (Radar Types 1-4)	120	90.0025		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

Channel Bandwidth 40MHz / 5510 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	96.67		60	Pass
2	30	96.67		60	Pass
3	30	90		60	Pass
4	30	90		60	Pass
Aggregate (Radar Types 1-4)	120	93.335		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

Channel Bandwidth 80MHz / 5530 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	96.67		60	Pass
2	30	93.33		60	Pass
3	30	96.67		60	Pass
4	30	90		60	Pass
Aggregate (Radar Types 1-4)	120	94.1675		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	100		70	Pass

Channel Bandwidth 160MHz / 5570 MHz

Short Pulse Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
1	30	100		60	Pass
2	30	96.67		60	Pass
3	30	100		60	Pass
4	30	96.67		60	Pass
Aggregate (Radar Types 1-4)	120	98.335		80	Pass
Long Pulse Radar Type	Minimum Number of Trials	Each Detection(%)	Total Detection(%)	Minimum Percentage of Successful Detection(%)	Pass/Fail
5	Center:10	100	100	80	Pass
	Low Edge:10	100			
	High Edge:10	100			
Frequency Hopping Radar Type	Minimum Number of Trials	Detection(%)		Minimum Percentage of Successful Detection(%)	Pass/Fail
6	30	96.67		70	Pass

6. DYNAMIC FREQUENCY SELECTION FOR SLAVE WITHOUT RADAR DETECTION MODE

6.1 TEST MODE

FCC according to §15.407 (h), KDB 905462 D02 "compliance measurement procedures for unlicensed-national information infrastructure devices operating in the 5250-5350 MHz and 5470-5725 MHz bands incorporating dynamic frequency selection". and KDB 905462 D03 " U-NII client devices without radar detection capability.

Table 1: Applicability of DFS requirements prior to use of a channel

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

Table 2: Applicability of DFS requirements during normal operation

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

Additional requirements for devices with multiple bandwidth mods	Master Device or Client with Radar Detection	Client Without Radar Detection
U-NII Detection Bandwidth and Statistical Performance Check	All BW modes must be tested	Not required
Channel Move Time and Channel Closing Transmission Time	Test using widest BW mode available	Test using the widest BW mode available for the link
All other tests	Any single BW mode	Not required
<p>Note: Frequencies selected for statistical performance check (Section 7.8.4) should include several frequencies within the radar detection bandwidth and frequencies near the edge of the radar detection bandwidth. For 802.11 devices it is suggested to select frequencies in each of the bonded 20 MHz channels and the channel center frequency.</p>		

Table 3: Interference Threshold values, Master or Client incorporating In-Service

Maximum Transmit Power	Value (See Notes 1, 2, and 3)
EIRP ≥ 200 milliwatt	-64 dBm
EIRP < 200 milliwatt and power spectral density < 10 dBm/MHz	-62 dBm
EIRP < 200 milliwatt that do not meet the power spectral density requirement	-64 dBm

Note 1: This is the level at the input of the receiver assuming a 0 dBi receive antenna.
Note 2: Throughout these test procedures an additional 1 dB has been added to the amplitude of the test transmission waveforms to account for variations in measurement equipment. This will ensure that the test signal is at or above the detection threshold level to trigger a DFS response.
Note 3: EIRP is based on the highest antenna gain. For MIMO devices refer to KDB Publication 662911 D01.

Table 4: DFS Response requirement values

Parameter	Value
Non-occupancy period	Minimum 30 minutes
Channel Availability Check Time	60 seconds
Channel Move Time	10 seconds See Note 1.
Channel Closing Transmission Time	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
U-NII Detection Bandwidth	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.

Note 1: Channel Move Time and the Channel Closing Transmission Time should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.
Note 2: The Channel Closing Transmission Time is comprised of 200 milliseconds starting at the beginning of the Channel Move Time plus any additional intermittent control signals required to facilitate a Channel move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.
Note 3: During the U-NII Detection Bandwidth detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.

Table 5 – Short Pulse Radar Test Waveforms

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

Table 6 – Long Pulse Radar Test Signal

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 7 – Frequency Hopping Radar Test Signal

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

6.2 TEST PROCEDURE

Overview Of EUT With Respect To §15.407 (H) Requirements

The firmware installed in the EUT during testing was:

Firmware Rev: 1.00.03

The EUT operates over the 5250-5350 MHz range as a Client Device that does not have radar detection capability.

The EUT uses one transmitter connected to two 50-ohm coaxial antenna ports via a diversity switch. Only one antenna port is connected to the test system since the EUT has one antenna only.

The Slave device associated with the EUT during these tests does not have radar detection capability.

WLAN traffic is generated by streaming the video file TestFile.mp2 “6 ½ Magic Hours” from the Master to the Slave in full motion video mode using the media player with the V2.61 Codec package.

The EUT utilizes the 802.11a architecture, with a nominal channel bandwidth of 20 MHz.

The rated output power of the Master unit is > 23dBm (EIRP). Therefore the required interference threshold level is -64 dBm. After correction for antenna gain and procedural adjustments, the required conducted threshold at the antenna port is -64 dBm.

The calibrated conducted DFS Detection Threshold level is set to -64 dBm. The tested level is lower than the required level hence it provides margin to the limit.

Manufacturer’s Statement Regarding Uniform Channel Spreading

The end product implements an automatic channel selection feature at startup such that operation commences on channels distributed across the entire set of allowed 5GHz channels. This feature will ensure uniform spreading is achieved while avoiding non-allowed channels due to prior radar events.

TEST AND MEASUREMENT SYSTEM

System Overview

The measurement system is based on a conducted test method.

The short pulse and long pulse signal generating system utilizes the NTIA software. The Vector Signal Generator has been validated by the NTIA. The hopping signal generating system utilizes the CCS simulated hopping method and system, which has been validated by the DoD, FCC and NTIA. The software selects waveform parameters from within the bounds of the signal type on a random basis using uniform distribution.

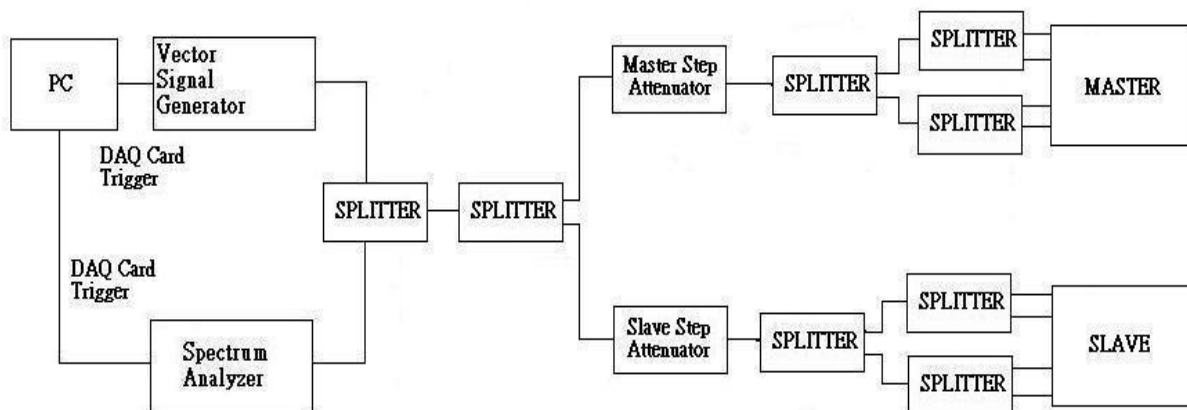
The short pulse types 2, 3 and 4, and the long pulse type 5 parameters are randomized at run-time.

The hopping type 6 pulse parameters are fixed while the hopping sequence is based on the August 2005 NTIA Hopping Frequency List. The initial starting point randomized at run-time and each subsequent starting point is incremented by 475. Each frequency in the 100-length segment is compared to the boundaries of the EUT Detection Bandwidth and the software creates a hopping burst pattern in accordance with Section 7.4.1.3 Method #2 Simulated Frequency Hopping Radar Waveform Generating Subsystem of FCC 06-96 APPENDIX. The frequency of the signal generator is incremented in 1 MHz steps from FL to FH for each successive trial. This incremental sequence is repeated as required to generate a minimum of 30 total trials and to maintain a uniform frequency distribution over the entire Detection Bandwidth.

The signal monitoring equipment consists of a spectrum analyzer set to display 8001 bins on the horizontal axis. The time-domain resolution is 2 msec / bin with a 16 second sweep time, meeting the 10 second short pulse reporting criteria. The aggregate ON time is calculated by multiplying the number of bins above a threshold during a particular observation period by the dwell time per bin, with the analyzer set to peak detection and max hold. The time-domain resolution is 3 msec / bin with a 24 second sweep time, meeting the 22 second long pulse reporting criteria and allowing a minimum of 10 seconds after the end of the long pulse waveform.

Should multiple RF ports be utilized for the Master and/or Slave devices (for example, for diversity or MIMO implementations), 50 ohm termination would be removed from the splitter so that connection can be established between splitter and the Master and/or Slave devices.

Conducted Method System Block Diagram



System Calibration

Connect the spectrum analyzer to the test system in place of the master device. Set the signal generator to CW mode. Adjust the amplitude of the signal generator to yield a measured level of -64 dBm on the spectrum analyzer.

Without changing any of the instrument settings, reconnect the spectrum analyzer to the Common port of the Spectrum Analyzer Combiner/Divider and connect a 50 ohm load to the Master Device port of the test system.

Measure the amplitude and calculate the difference from -64 dBm. Adjust the Reference Level Offset of the spectrum analyzer to this difference. Confirm that the signal is displayed at -64 dBm. Readjust the RBW and VBW to 3 MHz, set the span to 10 MHz, and confirm that the signal is still displayed at -64 dBm.

The spectrum analyzer displays the level of the signal generator as received at the antenna ports of the Master Device. The interference detection threshold may be varied from the calibrated value of -64 dBm and the spectrum analyzer will still indicate the level as received by the Master Device.

Set the signal generator to produce a radar waveform, trigger a burst manually and measure the level on the spectrum analyzer. Readjust the amplitude of the signal generator as required so that the peak level of the waveform is at a displayed level equal to the required or desired interference detection threshold. Separate signal generator amplitude settings are determined as required for each radar type.

Adjustment Of Displayed Traffic Level

Establish a link between the Master and Slave, adjusting the Link Step Attenuator as needed to provide a suitable received level at the Master and Slave devices. Stream the video test file to generate WLAN traffic. Confirm that the WLAN traffic level, as displayed on the spectrum analyzer, is at lower amplitude than the radar detection threshold. Confirm that the displayed traffic is from the Master Device. For Master Device testing confirm that the displayed traffic does not include Slave Device traffic. For Slave Device testing confirm that the displayed traffic does not include Master Device traffic.

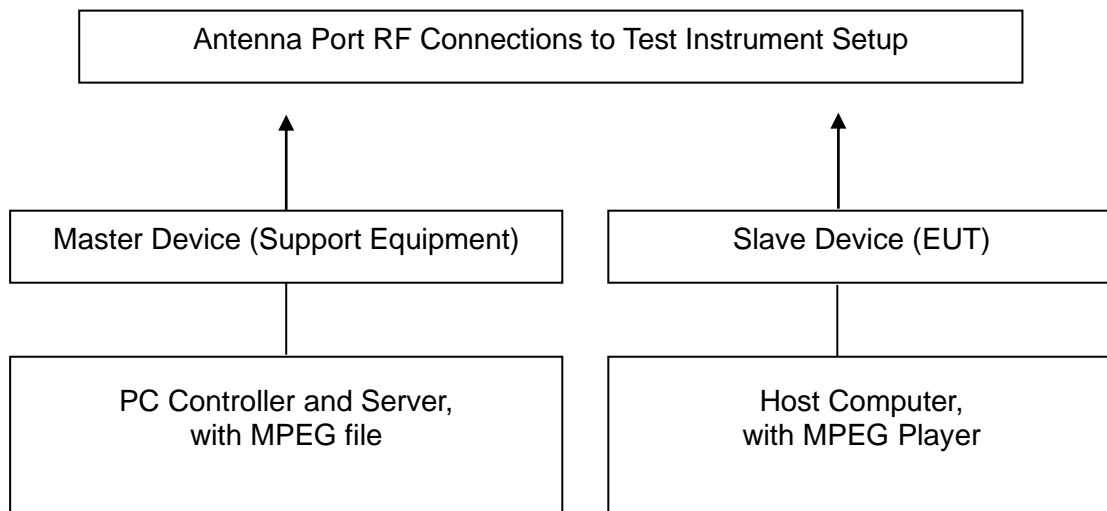
If a different setting of the Master Step Attenuator is required to meet the above conditions, perform a new System Calibration for the new Master Step Attenuator setting.

Channel Loading

System testing will be performed with channel-loading using means appropriate to the data types that are used by the unlicensed device. The following requirements apply:

- a) The data file must be of a type that is typical for the device (i.e., MPEG-2, MPEG-4, WAV, MP3, MP4, AVI, etc.) and must generally be transmitting in a streaming mode.
- b) Software to ping the client is permitted to simulate data transfer but must have random ping intervals.
- c) Timing plots are required with calculations demonstrating a minimum channel loading of approximately 17% or greater. For example, channel loading can be estimated by setting the spectrum analyzer for zero span and approximate the Time On/ (Time On + Off Time). This can be done with any appropriate channel BW and modulation type.
- d) Unicast or Multicast protocols are preferable but other protocols may be used. The appropriate protocol used must be described in the test procedures.

6.3 TEST SETUP



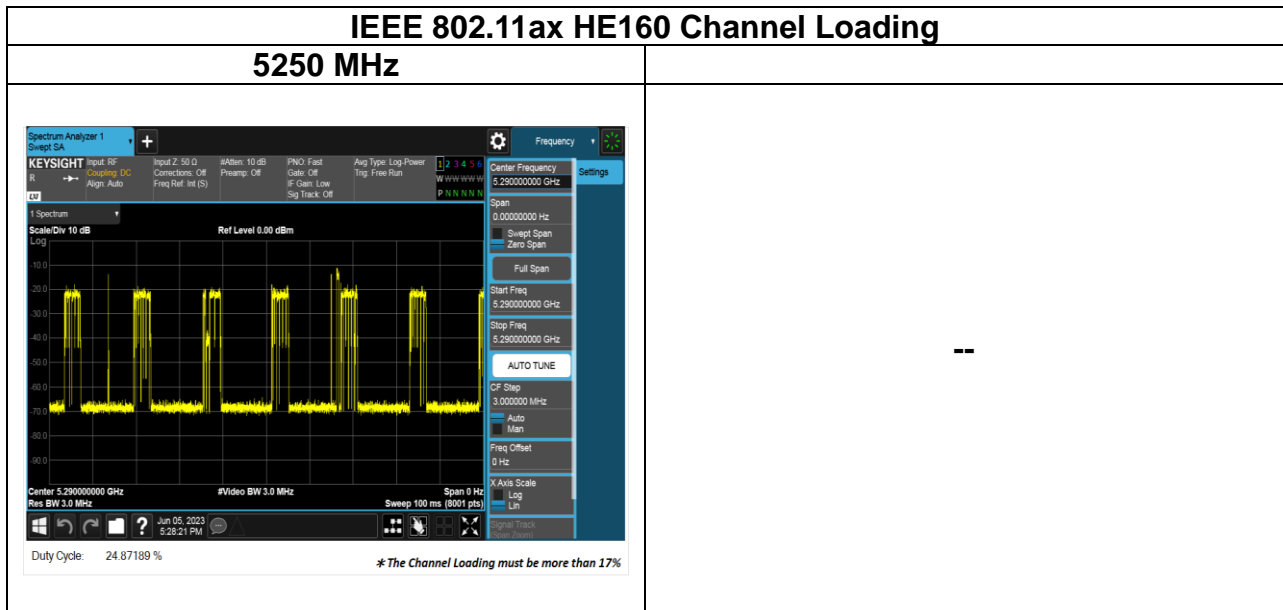
6.4 TEST RESULT

Temperature: 24.1~25°C

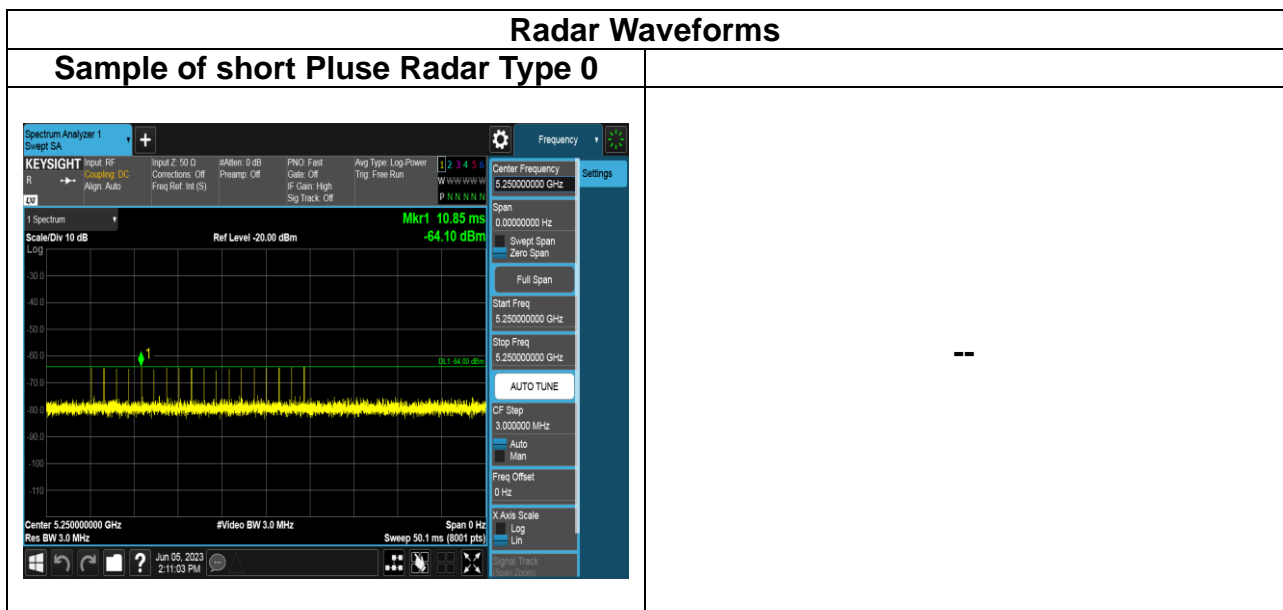
Test date: June 5~13, 2023

Humidity: 45~52% RH

Tested by: Jerry Chang



Note: During the monitoring period of 100ms, the packet flow exceeds 17%



TEST CHANNEL AND METHOD

All tests were performed at a channel center frequency of 5250 MHz utilizing a conducted test method.

CHANNEL MOVE TIME AND CHANNEL CLOSING TRANSMISSION TIME

GENERAL REPORTING NOTES

The reference marker is set at the end of last radar pulse.

The delta marker is set at the end of the last WLAN transmission following the radar pulse. This delta is the channel move time.

The aggregate channel closing transmission time is calculated as follows:

Aggregate Transmission Time =

(Number of analyzer bins showing transmission) * (dwell time per bin)

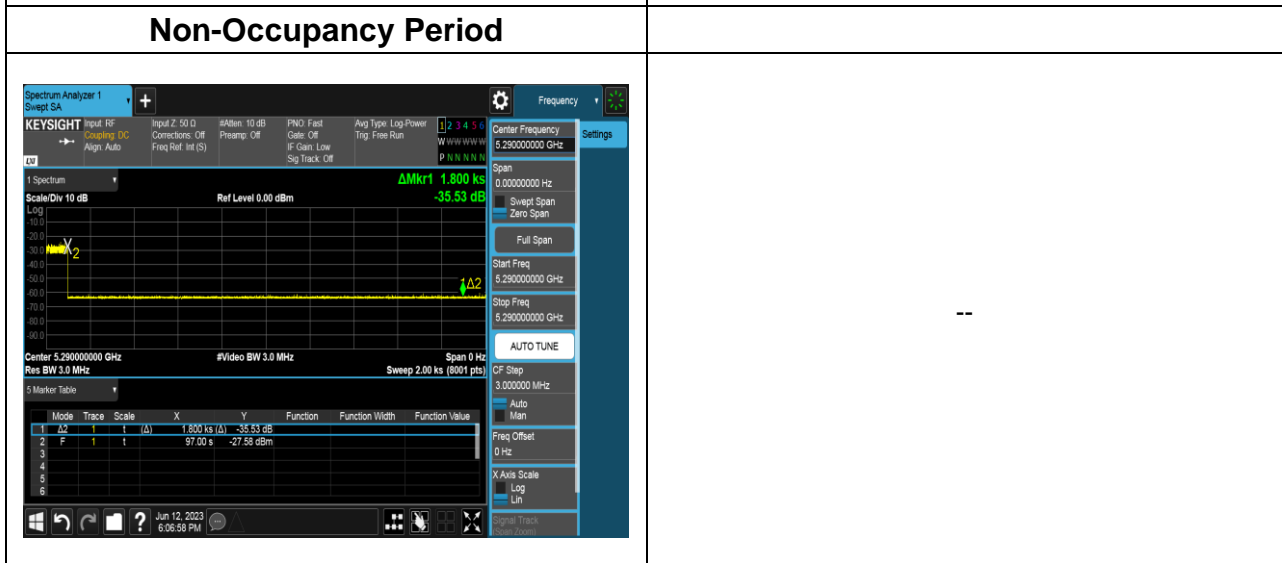
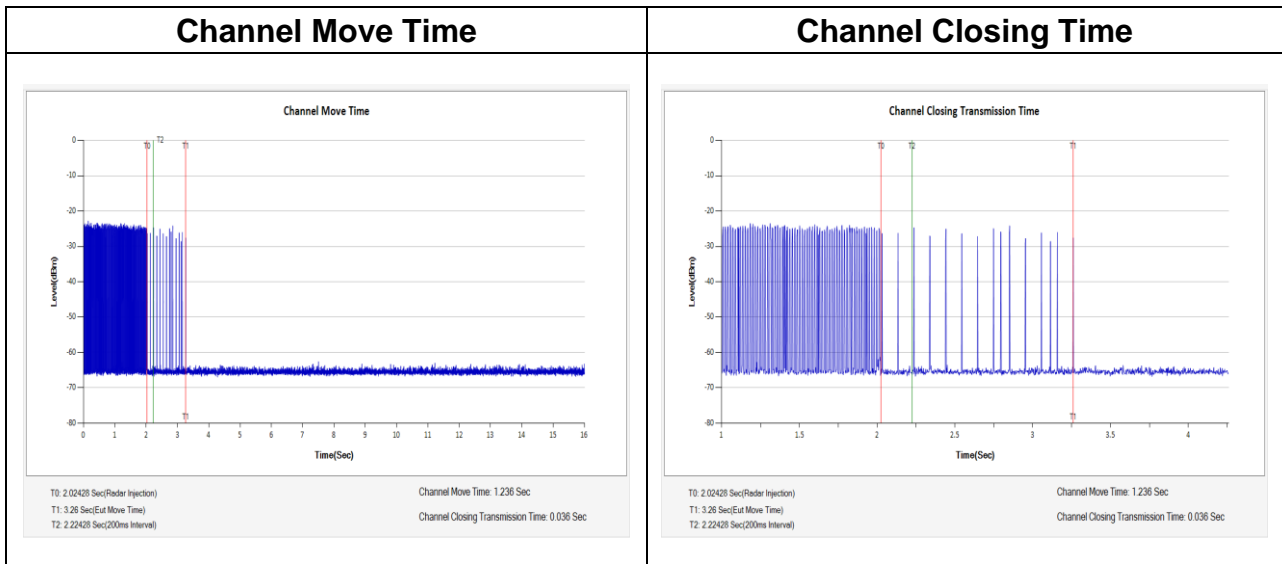
The observation period over which the aggregate time is calculated

Begins at (Reference Marker + 200 msec) and

Ends no earlier than (Reference Marker + 10 sec).

Channel Bandwidth 160MHz / 5250 MHz

Channel Shutdown Result			
Detection Threshold Level (dBm)		-64	
Modulation Mode	Freq. (MHz)	Channel Closing Transmission Time(ms) 200ms~10sec	Channel Move Time(s)
Limit		60 ms	10 sec
Result		Complied	



-- End of Test Report --

7. APPENDIX A RADAR TEST WAVEFORMS

< Channel Bandwidth 20MHz / 5300MHz >

Short Pulse Radar Test Waveforms

Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI (msec)	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)		A/B	(Yes/No)
1	5300	10	1432.7	698	A	Yes
2	5300	6	1618.1	618	A	Yes
3	5300	20	1113.6	898	A	Yes
4	5300	14	1285.3	778	A	Yes
5	5300	18	1165.5	858	A	Yes
6	5300	15	1253.1	798	A	Yes
7	5300	21	1089.3	918	A	Yes
8	5300	13	1319.3	758	A	Yes
9	5300	11	1392.8	718	A	Yes
10	5300	7	1567.4	638	A	Yes
11	5300	3	1792.1	558	A	Yes
12	5300	5	1672.2	598	A	Yes
13	5300	23	326.2	3066	A	Yes
14	5300	17	1193.3	838	A	Yes
15	5300	19	1139	878	A	Yes
16	5300	-	1091.7	916	B	Yes
17	5300	-	644.3	1552	B	Yes
18	5300	-	896.1	1116	B	Yes
19	5300	-	590.3	1694	B	Yes
20	5300	-	636.5	1571	B	Yes
21	5300	-	433.8	2305	B	Yes
22	5300	-	329.1	3039	B	Yes
23	5300	-	656.2	1524	B	Yes
24	5300	-	536.2	1865	B	Yes
25	5300	-	608.3	1644	B	Yes
26	5300	-	635.3	1574	B	Yes
27	5300	-	1005	995	B	Yes
28	5300	-	634.5	1576	B	Yes
29	5300	-	927.6	1078	B	Yes
30	5300	-	517.6	1932	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5300	24	1.7	182	Yes
2	5300	26	2.8	203	Yes
3	5300	23	1.1	217	Yes
4	5300	27	3.8	218	Yes
5	5300	25	2.6	163	Yes
6	5300	27	3.7	155	Yes
7	5300	28	4.1	194	Yes
8	5300	24	2.1	165	Yes
9	5300	26	3.2	226	Yes
10	5300	25	2.1	168	Yes
11	5300	29	4.5	220	Yes
12	5300	29	4.6	213	Yes
13	5300	24	1.6	207	Yes
14	5300	27	3.4	228	Yes
15	5300	27	3.4	162	No
16	5300	29	4.9	187	Yes
17	5300	27	3.8	196	Yes
18	5300	24	1.8	152	Yes
19	5300	25	2.1	201	Yes
20	5300	25	2.5	222	No
21	5300	29	4.6	214	Yes
22	5300	27	3.8	195	Yes
23	5300	27	3.7	186	Yes
24	5300	26	3.2	209	Yes
25	5300	26	2.8	227	Yes
26	5300	25	2.2	212	Yes
27	5300	23	1.4	158	No
28	5300	23	1.1	188	No
29	5300	28	4.3	169	Yes
30	5300	27	3.8	199	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5300	16	6.7	411	Yes
2	5300	17	7.8	290	Yes
3	5300	16	6.1	326	Yes
4	5300	18	8.8	203	Yes
5	5300	17	7.6	405	Yes
6	5300	17	8.7	239	Yes
7	5300	18	9.1	231	Yes
8	5300	16	7.1	468	Yes
9	5300	17	8.2	251	Yes
10	5300	16	7.1	425	Yes
11	5300	18	9.5	409	Yes
12	5300	18	9.6	352	Yes
13	5300	16	6.6	258	Yes
14	5300	17	8.4	250	Yes
15	5300	17	8.4	318	Yes
16	5300	18	9.9	288	Yes
17	5300	18	8.8	227	Yes
18	5300	16	6.8	216	Yes
19	5300	16	7.1	375	Yes
20	5300	17	7.5	421	Yes
21	5300	18	9.6	448	No
22	5300	18	8.8	430	Yes
23	5300	18	8.7	445	Yes
24	5300	17	8.2	256	Yes
25	5300	17	7.8	314	Yes
26	5300	16	7.2	302	No
27	5300	16	6.4	291	Yes
28	5300	16	6.1	427	Yes
29	5300	18	9.3	224	Yes
30	5300	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5300	12	12.7	411	Yes
2	5300	14	15	290	Yes
3	5300	12	11.2	326	Yes
4	5300	15	17.3	203	Yes
5	5300	14	14.7	405	Yes
6	5300	15	17	239	Yes
7	5300	15	18	231	Yes
8	5300	13	13.4	468	No
9	5300	14	15.9	251	Yes
10	5300	13	13.6	425	Yes
11	5300	16	18.9	409	Yes
12	5300	16	19.1	352	Yes
13	5300	12	12.3	258	Yes
14	5300	15	16.5	250	Yes
15	5300	14	16.4	318	Yes
16	5300	16	19.7	288	Yes
17	5300	15	17.2	227	Yes
18	5300	13	12.9	216	Yes
19	5300	13	13.6	375	Yes
20	5300	13	14.5	421	Yes
21	5300	16	19	448	Yes
22	5300	15	17.3	430	Yes
23	5300	15	17	445	Yes
24	5300	14	15.9	256	Yes
25	5300	14	15.1	314	Yes
26	5300	13	13.7	302	Yes
27	5300	12	12	291	Yes
28	5300	12	11.2	427	Yes
29	5300	16	18.4	224	Yes
30	5300	15	17.2	382	Yes

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			18		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5300
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5299.1955
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5299.5955
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5294.7955
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5297.5955
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5297.5955
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5299.9955
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5297.9955
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5295.1955
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5295.5955
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5296.3955
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5300.4045
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5301.6045
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5302.0045
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5302.8045
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5303.2045
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5304.4045
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27		VSG Frequency(MHz): 5305.6045	
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5306.0045
Number of Bursts in Trial:			8		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5300.8045
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5301.6045
Number of Bursts in Trial:			16		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	No
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	No
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	No
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 40MHz / 5310MHz >

Short Pulse Radar Test Waveforms

Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5310	5	1672.2	598	A	Yes
2	5310	16	1222.5	818	A	Yes
3	5310	3	1792.1	558	A	Yes
4	5310	22	1066.1	938	A	Yes
5	5310	8	1519.8	658	A	Yes
6	5310	18	1165.5	858	A	Yes
7	5310	23	326.2	3066	A	Yes
8	5310	14	1285.3	778	A	Yes
9	5310	2	1858.7	538	A	Yes
10	5310	20	1113.6	898	A	Yes
11	5310	4	1730.1	578	A	Yes
12	5310	9	1474.9	678	A	Yes
13	5310	1	1930.5	518	A	Yes
14	5310	7	1567.4	638	A	Yes
15	5310	17	1193.3	838	A	Yes
16	5310	-	567.5	1762	B	Yes
17	5310	-	1422.5	703	B	Yes
18	5310	-	575.7	1737	B	Yes
19	5310	-	660.9	1513	B	Yes
20	5310	-	654.5	1528	B	Yes
21	5310	-	823	1215	B	Yes
22	5310	-	364.6	2743	B	Yes
23	5310	-	1612.9	620	B	Yes
24	5310	-	689.7	1450	B	Yes
25	5310	-	413.9	2416	B	Yes
26	5310	-	1508.3	663	B	Yes
27	5310	-	559.6	1787	B	Yes
28	5310	-	629.3	1589	B	Yes
29	5310	-	934.6	1070	B	Yes
30	5310	-	451.3	2216	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5310	27	3.8	174	Yes
2	5310	25	2.6	209	Yes
3	5310	29	4.9	187	Yes
4	5310	28	4.1	215	Yes
5	5310	29	4.6	206	Yes
6	5310	24	1.8	169	Yes
7	5310	24	2.1	212	Yes
8	5310	27	3.8	162	Yes
9	5310	23	1.4	196	Yes
10	5310	28	4.2	211	Yes
11	5310	23	1.1	164	Yes
12	5310	25	2.6	188	Yes
13	5310	23	1.3	195	Yes
14	5310	25	2.4	205	Yes
15	5310	26	2.8	178	Yes
16	5310	29	5	180	Yes
17	5310	24	1.9	226	Yes
18	5310	24	1.9	152	Yes
19	5310	24	1.7	192	Yes
20	5310	29	5	224	Yes
21	5310	27	3.3	199	Yes
22	5310	26	2.9	194	Yes
23	5310	27	3.7	230	Yes
24	5310	27	3.7	153	Yes
25	5310	24	2.1	168	Yes
26	5310	25	2.7	201	Yes
27	5310	28	3.9	170	Yes
28	5310	26	3.1	156	Yes
29	5310	27	3.9	177	Yes
30	5310	25	2.7	222	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5310	18	8.8	201	Yes
2	5310	17	7.6	298	Yes
3	5310	18	9.9	323	Yes
4	5310	18	9.1	244	Yes
5	5310	18	9.6	412	Yes
6	5310	16	6.8	449	Yes
7	5310	16	7.1	477	Yes
8	5310	18	8.8	313	Yes
9	5310	16	6.4	264	Yes
10	5310	18	9.2	468	Yes
11	5310	16	6.1	402	Yes
12	5310	17	7.6	290	Yes
13	5310	16	6.3	250	Yes
14	5310	17	7.4	461	Yes
15	5310	17	7.8	319	Yes
16	5310	18	10	393	Yes
17	5310	16	6.9	406	Yes
18	5310	16	6.9	360	Yes
19	5310	16	6.7	294	Yes
20	5310	18	10	236	Yes
21	5310	17	8.3	368	Yes
22	5310	17	7.9	446	Yes
23	5310	17	8.7	454	Yes
24	5310	17	8.7	473	Yes
25	5310	16	7.1	366	Yes
26	5310	17	7.7	249	No
27	5310	18	8.9	225	Yes
28	5310	17	8.1	383	Yes
29	5310	18	8.9	392	Yes
30	5310	17	7.7	230	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5310	15	17.3	201	Yes
2	5310	14	14.6	298	Yes
3	5310	16	19.7	323	Yes
4	5310	15	17.9	244	Yes
5	5310	16	19.2	412	Yes
6	5310	13	12.8	449	Yes
7	5310	13	13.5	477	Yes
8	5310	15	17.2	313	Yes
9	5310	12	11.9	264	Yes
10	5310	16	18.2	468	Yes
11	5310	12	11.3	402	Yes
12	5310	13	14.6	290	Yes
13	5310	12	11.7	250	Yes
14	5310	13	14.2	461	Yes
15	5310	14	15.1	319	Yes
16	5310	16	20	393	Yes
17	5310	13	13.1	406	Yes
18	5310	13	13.2	360	No
19	5310	12	12.6	294	Yes
20	5310	16	19.9	236	Yes
21	5310	14	16.2	368	Yes
22	5310	14	15.2	446	Yes
23	5310	15	17	454	Yes
24	5310	15	17	473	Yes
25	5310	13	13.5	366	Yes
26	5310	14	14.8	249	Yes
27	5310	15	17.5	225	Yes
28	5310	14	15.7	383	Yes
29	5310	15	17.4	392	Yes
30	5310	14	14.8	230	Yes

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5310
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5299.175
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5299.575
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5294.775
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5297.575
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5297.575
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5299.975
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		162484

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5297.975
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5295.175
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5295.575
Number of Bursts in Trial:			11		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5296.375
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5320.425
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5321.625
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5322.025
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5322.825
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5323.225
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5324.425
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27		VSG Frequency(MHz): 5325.625	
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5326.025
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5320.825
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5321.625
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	No
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	No
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	No
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	No
18	1	333	9	0.333	300	No
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	No
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 80MHz / 5290MHz >

Short Pulse Radar Test Waveforms

Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5290	10	1432.7	698	A	Yes
2	5290	6	1618.1	618	A	Yes
3	5290	20	1113.6	898	A	Yes
4	5290	14	1285.3	778	A	Yes
5	5290	18	1165.5	858	A	Yes
6	5290	15	1253.1	798	A	Yes
7	5290	21	1089.3	918	A	Yes
8	5290	13	1319.3	758	A	Yes
9	5290	11	1392.8	718	A	Yes
10	5290	7	1567.4	638	A	Yes
11	5290	3	1792.1	558	A	Yes
12	5290	5	1672.2	598	A	Yes
13	5290	23	326.2	3066	A	Yes
14	5290	17	1193.3	838	A	Yes
15	5290	19	1139	878	A	Yes
16	5290	-	1091.7	916	B	Yes
17	5290	-	644.3	1552	B	Yes
18	5290	-	896.1	1116	B	Yes
19	5290	-	590.3	1694	B	Yes
20	5290	-	636.5	1571	B	Yes
21	5290	-	433.8	2305	B	Yes
22	5290	-	329.1	3039	B	Yes
23	5290	-	656.2	1524	B	Yes
24	5290	-	536.2	1865	B	Yes
25	5290	-	608.3	1644	B	Yes
26	5290	-	635.3	1574	B	Yes
27	5290	-	1005	995	B	Yes
28	5290	-	634.5	1576	B	Yes
29	5290	-	927.6	1078	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5290	24	1.7	182	Yes
2	5290	26	2.8	203	Yes
3	5290	23	1.1	217	Yes
4	5290	27	3.8	218	Yes
5	5290	25	2.6	163	Yes
6	5290	27	3.7	155	Yes
7	5290	28	4.1	194	Yes
8	5290	24	2.1	165	No
9	5290	26	3.2	226	Yes
10	5290	25	2.1	168	Yes
11	5290	29	4.5	220	Yes
12	5290	29	4.6	213	Yes
13	5290	24	1.6	207	Yes
14	5290	27	3.4	228	Yes
15	5290	27	3.4	162	Yes
16	5290	29	4.9	187	Yes
17	5290	27	3.8	196	Yes
18	5290	24	1.8	152	Yes
19	5290	25	2.1	201	Yes
20	5290	25	2.5	222	Yes
21	5290	29	4.6	214	Yes
22	5290	27	3.8	195	Yes
23	5290	27	3.7	186	Yes
24	5290	26	3.2	209	Yes
25	5290	26	2.8	227	Yes
26	5290	25	2.2	212	Yes
27	5290	23	1.4	158	Yes
28	5290	23	1.1	188	Yes
29	5290	28	4.3	169	Yes
30	5290	27	3.8	199	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5290	16	6.7	411	Yes
2	5290	17	7.8	290	Yes
3	5290	16	6.1	326	Yes
4	5290	18	8.8	203	No
5	5290	17	7.6	405	Yes
6	5290	17	8.7	239	Yes
7	5290	18	9.1	231	Yes
8	5290	16	7.1	468	Yes
9	5290	17	8.2	251	Yes
10	5290	16	7.1	425	Yes
11	5290	18	9.5	409	Yes
12	5290	18	9.6	352	Yes
13	5290	16	6.6	258	Yes
14	5290	17	8.4	250	Yes
15	5290	17	8.4	318	Yes
16	5290	18	9.9	288	No
17	5290	18	8.8	227	Yes
18	5290	16	6.8	216	Yes
19	5290	16	7.1	375	Yes
20	5290	17	7.5	421	Yes
21	5290	18	9.6	448	Yes
22	5290	18	8.8	430	Yes
23	5290	18	8.7	445	Yes
24	5290	17	8.2	256	Yes
25	5290	17	7.8	314	No
26	5290	16	7.2	302	Yes
27	5290	16	6.4	291	No
28	5290	16	6.1	427	Yes
29	5290	18	9.3	224	Yes
30	5290	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5290	12	12.7	411	Yes
2	5290	14	15	290	Yes
3	5290	12	11.2	326	Yes
4	5290	15	17.3	203	Yes
5	5290	14	14.7	405	Yes
6	5290	15	17	239	Yes
7	5290	15	18	231	Yes
8	5290	13	13.4	468	Yes
9	5290	14	15.9	251	Yes
10	5290	13	13.6	425	Yes
11	5290	16	18.9	409	Yes
12	5290	16	19.1	352	Yes
13	5290	12	12.3	258	No
14	5290	15	16.5	250	Yes
15	5290	14	16.4	318	Yes
16	5290	16	19.7	288	Yes
17	5290	15	17.2	227	Yes
18	5290	13	12.9	216	Yes
19	5290	13	13.6	375	Yes
20	5290	13	14.5	421	Yes
21	5290	16	19	448	Yes
22	5290	15	17.3	430	Yes
23	5290	15	17	445	Yes
24	5290	14	15.9	256	Yes
25	5290	14	15.1	314	Yes
26	5290	13	13.7	302	Yes
27	5290	12	12	291	No
28	5290	12	11.2	427	Yes
29	5290	16	18.4	224	Yes
30	5290	15	17.2	382	Yes

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			11		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5259.5825
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5259.9825
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5255.1825
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5257.9825
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5257.9825
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5260.3825
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5258.3825
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5255.5825
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5255.9825
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5256.7825
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5320.0175
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5321.2175
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5321.6175
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5322.4175
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5322.8175
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5324.0175
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27		VSG Frequency(MHz): 5325.2175	
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5325.6175
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5320.4175
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5321.2175
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 160MHz / 5250 MHz >
Short Pulse Radar Test Waveforms
Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5250	10	1432.7	698	A	Yes
2	5250	6	1618.1	618	A	Yes
3	5250	20	1113.6	898	A	Yes
4	5250	14	1285.3	778	A	Yes
5	5250	18	1165.5	858	A	Yes
6	5250	15	1253.1	798	A	Yes
7	5250	21	1089.3	918	A	Yes
8	5250	13	1319.3	758	A	Yes
9	5250	11	1392.8	718	A	Yes
10	5250	7	1567.4	638	A	Yes
11	5250	3	1792.1	558	A	Yes
12	5250	5	1672.2	598	A	Yes
13	5250	23	326.2	3066	A	Yes
14	5250	17	1193.3	838	A	Yes
15	5250	19	1139	878	A	Yes
16	5250	-	1091.7	916	B	Yes
17	5250	-	644.3	1552	B	Yes
18	5250	-	896.1	1116	B	Yes
19	5250	-	590.3	1694	B	Yes
20	5250	-	636.5	1571	B	Yes
21	5250	-	433.8	2305	B	Yes
22	5250	-	329.1	3039	B	Yes
23	5250	-	656.2	1524	B	Yes
24	5250	-	536.2	1865	B	Yes
25	5250	-	608.3	1644	B	Yes
26	5250	-	635.3	1574	B	Yes
27	5250	-	1005	995	B	Yes
28	5250	-	634.5	1576	B	Yes
29	5250	-	927.6	1078	B	Yes
30	5250	-	517.6	1932	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5250	24	1.7	182	Yes
2	5250	26	2.8	203	Yes
3	5250	23	1.1	217	Yes
4	5250	27	3.8	218	Yes
5	5250	25	2.6	163	Yes
6	5250	27	3.7	155	Yes
7	5250	28	4.1	194	Yes
8	5250	24	2.1	165	Yes
9	5250	26	3.2	226	Yes
10	5250	25	2.1	168	Yes
11	5250	29	4.5	220	Yes
12	5250	29	4.6	213	Yes
13	5250	24	1.6	207	Yes
14	5250	27	3.4	228	Yes
15	5250	27	3.4	162	Yes
16	5250	29	4.9	187	Yes
17	5250	27	3.8	196	Yes
18	5250	24	1.8	152	Yes
19	5250	25	2.1	201	Yes
20	5250	25	2.5	222	Yes
21	5250	29	4.6	214	Yes
22	5250	27	3.8	195	Yes
23	5250	27	3.7	186	Yes
24	5250	26	3.2	209	Yes
25	5250	26	2.8	227	Yes
26	5250	25	2.2	212	Yes
27	5250	23	1.4	158	Yes
28	5250	23	1.1	188	Yes
29	5250	28	4.3	169	Yes
30	5250	27	3.8	199	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5250	16	6.7	411	Yes
2	5250	17	7.8	290	Yes
3	5250	16	6.1	326	Yes
4	5250	18	8.8	203	Yes
5	5250	17	7.6	405	Yes
6	5250	17	8.7	239	Yes
7	5250	18	9.1	231	Yes
8	5250	16	7.1	468	Yes
9	5250	17	8.2	251	Yes
10	5250	16	7.1	425	Yes
11	5250	18	9.5	409	Yes
12	5250	18	9.6	352	Yes
13	5250	16	6.6	258	Yes
14	5250	17	8.4	250	Yes
15	5250	17	8.4	318	Yes
16	5250	18	9.9	288	Yes
17	5250	18	8.8	227	Yes
18	5250	16	6.8	216	Yes
19	5250	16	7.1	375	Yes
20	5250	17	7.5	421	Yes
21	5250	18	9.6	448	Yes
22	5250	18	8.8	430	Yes
23	5250	18	8.7	445	Yes
24	5250	17	8.2	256	Yes
25	5250	17	7.8	314	Yes
26	5250	16	7.2	302	Yes
27	5250	16	6.4	291	Yes
28	5250	16	6.1	427	Yes
29	5250	18	9.3	224	Yes
30	5250	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5250	12	12.7	411	Yes
2	5250	14	15	290	Yes
3	5250	12	11.2	326	Yes
4	5250	15	17.3	203	Yes
5	5250	14	14.7	405	Yes
6	5250	15	17	239	Yes
7	5250	15	18	231	Yes
8	5250	13	13.4	468	Yes
9	5250	14	15.9	251	Yes
10	5250	13	13.6	425	Yes
11	5250	16	18.9	409	Yes
12	5250	16	19.1	352	Yes
13	5250	12	12.3	258	No
14	5250	15	16.5	250	Yes
15	5250	14	16.4	318	Yes
16	5250	16	19.7	288	Yes
17	5250	15	17.2	227	Yes
18	5250	13	12.9	216	Yes
19	5250	13	13.6	375	Yes
20	5250	13	14.5	421	Yes
21	5250	16	19	448	Yes
22	5250	15	17.3	430	Yes
23	5250	15	17	445	Yes
24	5250	14	15.9	256	Yes
25	5250	14	15.1	314	Yes
26	5250	13	13.7	302	Yes
27	5250	12	12	291	Yes
28	5250	12	11.2	427	Yes
29	5250	16	18.4	224	Yes
30	5250	15	17.2	382	No

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:			3		VSG Frequency(MHz): 5290	
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5290
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5258.386
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5258.786
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5253.986
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5256.786
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5256.786
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5259.186
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5257.186
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5254.386
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5254.786
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5255.586
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5321.214
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5322.414
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5322.814
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5323.614
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5324.014
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5325.214
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5326.414
Number of Bursts in Trial:			9		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5326.814
Number of Bursts in Trial:			8		Successful Detection: No	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5321.614
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5322.414
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Data Sheet for FCC Radar Type 6						
Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 20MHz / 5500 MHz >
Short Pulse Radar Test Waveforms
Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5500	10	1432.7	698	A	Yes
2	5500	6	1618.1	618	A	Yes
3	5500	20	1113.6	898	A	Yes
4	5500	14	1285.3	778	A	Yes
5	5500	18	1165.5	858	A	Yes
6	5500	15	1253.1	798	A	Yes
7	5500	21	1089.3	918	A	Yes
8	5500	13	1319.3	758	A	Yes
9	5500	11	1392.8	718	A	Yes
10	5500	7	1567.4	638	A	Yes
11	5500	3	1792.1	558	A	Yes
12	5500	5	1672.2	598	A	Yes
13	5500	23	326.2	3066	A	Yes
14	5500	17	1193.3	838	A	Yes
15	5500	19	1139	878	A	Yes
16	5500	-	1091.7	916	B	Yes
17	5500	-	644.3	1552	B	Yes
18	5500	-	896.1	1116	B	Yes
19	5500	-	590.3	1694	B	Yes
20	5500	-	636.5	1571	B	Yes
21	5500	-	433.8	2305	B	Yes
22	5500	-	329.1	3039	B	Yes
23	5500	-	656.2	1524	B	Yes
24	5500	-	536.2	1865	B	Yes
25	5500	-	608.3	1644	B	Yes
26	5500	-	635.3	1574	B	Yes
27	5500	-	1005	995	B	Yes
28	5500	-	634.5	1576	B	Yes
29	5500	-	927.6	1078	B	Yes
30	5500	-	517.6	1932	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	24	1.7	182	Yes
2	5500	26	2.8	203	Yes
3	5500	23	1.1	217	Yes
4	5500	27	3.8	218	Yes
5	5500	25	2.6	163	Yes
6	5500	27	3.7	155	No
7	5500	28	4.1	194	Yes
8	5500	24	2.1	165	Yes
9	5500	26	3.2	226	Yes
10	5500	25	2.1	168	No
11	5500	29	4.5	220	Yes
12	5500	29	4.6	213	Yes
13	5500	24	1.6	207	Yes
14	5500	27	3.4	228	Yes
15	5500	27	3.4	162	Yes
16	5500	29	4.9	187	Yes
17	5500	27	3.8	196	Yes
18	5500	24	1.8	152	Yes
19	5500	25	2.1	201	Yes
20	5500	25	2.5	222	Yes
21	5500	29	4.6	214	Yes
22	5500	27	3.8	195	Yes
23	5500	27	3.7	186	Yes
24	5500	26	3.2	209	Yes
25	5500	26	2.8	227	No
26	5500	25	2.2	212	Yes
27	5500	23	1.4	158	Yes
28	5500	23	1.1	188	Yes
29	5500	28	4.3	169	Yes
30	5500	27	3.8	199	No

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	16	6.7	411	Yes
2	5500	17	7.8	290	Yes
3	5500	16	6.1	326	Yes
4	5500	18	8.8	203	Yes
5	5500	17	7.6	405	Yes
6	5500	17	8.7	239	Yes
7	5500	18	9.1	231	Yes
8	5500	16	7.1	468	Yes
9	5500	17	8.2	251	No
10	5500	16	7.1	425	Yes
11	5500	18	9.5	409	Yes
12	5500	18	9.6	352	Yes
13	5500	16	6.6	258	Yes
14	5500	17	8.4	250	No
15	5500	17	8.4	318	Yes
16	5500	18	9.9	288	Yes
17	5500	18	8.8	227	Yes
18	5500	16	6.8	216	No
19	5500	16	7.1	375	Yes
20	5500	17	7.5	421	Yes
21	5500	18	9.6	448	Yes
22	5500	18	8.8	430	Yes
23	5500	18	8.7	445	Yes
24	5500	17	8.2	256	Yes
25	5500	17	7.8	314	No
26	5500	16	7.2	302	Yes
27	5500	16	6.4	291	Yes
28	5500	16	6.1	427	Yes
29	5500	18	9.3	224	Yes
30	5500	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5500	12	12.7	411	Yes
2	5500	14	15	290	Yes
3	5500	12	11.2	326	Yes
4	5500	15	17.3	203	Yes
5	5500	14	14.7	405	Yes
6	5500	15	17	239	Yes
7	5500	15	18	231	Yes
8	5500	13	13.4	468	Yes
9	5500	14	15.9	251	Yes
10	5500	13	13.6	425	Yes
11	5500	16	18.9	409	Yes
12	5500	16	19.1	352	Yes
13	5500	12	12.3	258	No
14	5500	15	16.5	250	No
15	5500	14	16.4	318	Yes
16	5500	16	19.7	288	Yes
17	5500	15	17.2	227	Yes
18	5500	13	12.9	216	Yes
19	5500	13	13.6	375	Yes
20	5500	13	14.5	421	No
21	5500	16	19	448	Yes
22	5500	15	17.3	430	Yes
23	5500	15	17	445	Yes
24	5500	14	15.9	256	Yes
25	5500	14	15.1	314	Yes
26	5500	13	13.7	302	Yes
27	5500	12	12	291	Yes
28	5500	12	11.2	427	Yes
29	5500	16	18.4	224	No
30	5500	15	17.2	382	Yes

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5498.9185
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5499.3185
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5494.5185
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5497.3185
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5497.3185
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5499.7185
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5497.7185
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5494.9185
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5495.3185
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5496.1185
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5500.6815
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5501.8815
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5502.2815
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5503.0815
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5503.4815
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5504.6815
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27		VSG Frequency(MHz): 5505.8815	
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5506.2815
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5501.0815
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5501.8815
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 40MHz / 5510 MHz >
Short Pulse Radar Test Waveforms
Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5510	10	1432.7	698	A	Yes
2	5510	6	1618.1	618	A	Yes
3	5510	20	1113.6	898	A	Yes
4	5510	14	1285.3	778	A	Yes
5	5510	18	1165.5	858	A	Yes
6	5510	15	1253.1	798	A	Yes
7	5510	21	1089.3	918	A	Yes
8	5510	13	1319.3	758	A	Yes
9	5510	11	1392.8	718	A	Yes
10	5510	7	1567.4	638	A	Yes
11	5510	3	1792.1	558	A	Yes
12	5510	5	1672.2	598	A	Yes
13	5510	23	326.2	3066	A	Yes
14	5510	17	1193.3	838	A	Yes
15	5510	19	1139	878	A	Yes
16	5510	-	1091.7	916	B	Yes
17	5510	-	644.3	1552	B	Yes
18	5510	-	896.1	1116	B	Yes
19	5510	-	590.3	1694	B	Yes
20	5510	-	636.5	1571	B	Yes
21	5510	-	433.8	2305	B	Yes
22	5510	-	329.1	3039	B	Yes
23	5510	-	656.2	1524	B	Yes
24	5510	-	536.2	1865	B	Yes
25	5510	-	608.3	1644	B	Yes
26	5510	-	635.3	1574	B	Yes
27	5510	-	1005	995	B	No
28	5510	-	634.5	1576	B	Yes
29	5510	-	927.6	1078	B	Yes
30	5510	-	517.6	1932	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5510	24	1.7	182	Yes
2	5510	26	2.8	203	Yes
3	5510	23	1.1	217	Yes
4	5510	27	3.8	218	Yes
5	5510	25	2.6	163	Yes
6	5510	27	3.7	155	Yes
7	5510	28	4.1	194	Yes
8	5510	24	2.1	165	Yes
9	5510	26	3.2	226	Yes
10	5510	25	2.1	168	Yes
11	5510	29	4.5	220	Yes
12	5510	29	4.6	213	Yes
13	5510	24	1.6	207	Yes
14	5510	27	3.4	228	Yes
15	5510	27	3.4	162	Yes
16	5510	29	4.9	187	Yes
17	5510	27	3.8	196	Yes
18	5510	24	1.8	152	Yes
19	5510	25	2.1	201	Yes
20	5510	25	2.5	222	Yes
21	5510	29	4.6	214	Yes
22	5510	27	3.8	195	Yes
23	5510	27	3.7	186	Yes
24	5510	26	3.2	209	Yes
25	5510	26	2.8	227	Yes
26	5510	25	2.2	212	Yes
27	5510	23	1.4	158	No
28	5510	23	1.1	188	Yes
29	5510	28	4.3	169	Yes
30	5510	27	3.8	199	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5510	16	6.7	411	Yes
2	5510	17	7.8	290	No
3	5510	16	6.1	326	Yes
4	5510	18	8.8	203	Yes
5	5510	17	7.6	405	Yes
6	5510	17	8.7	239	Yes
7	5510	18	9.1	231	No
8	5510	16	7.1	468	Yes
9	5510	17	8.2	251	Yes
10	5510	16	7.1	425	Yes
11	5510	18	9.5	409	Yes
12	5510	18	9.6	352	Yes
13	5510	16	6.6	258	Yes
14	5510	17	8.4	250	Yes
15	5510	17	8.4	318	Yes
16	5510	18	9.9	288	Yes
17	5510	18	8.8	227	Yes
18	5510	16	6.8	216	Yes
19	5510	16	7.1	375	Yes
20	5510	17	7.5	421	Yes
21	5510	18	9.6	448	Yes
22	5510	18	8.8	430	Yes
23	5510	18	8.7	445	Yes
24	5510	17	8.2	256	No
25	5510	17	7.8	314	Yes
26	5510	16	7.2	302	Yes
27	5510	16	6.4	291	Yes
28	5510	16	6.1	427	Yes
29	5510	18	9.3	224	Yes
30	5510	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5510	12	12.7	411	Yes
2	5510	14	15	290	Yes
3	5510	12	11.2	326	Yes
4	5510	15	17.3	203	Yes
5	5510	14	14.7	405	Yes
6	5510	15	17	239	Yes
7	5510	15	18	231	Yes
8	5510	13	13.4	468	No
9	5510	14	15.9	251	Yes
10	5510	13	13.6	425	Yes
11	5510	16	18.9	409	Yes
12	5510	16	19.1	352	Yes
13	5510	12	12.3	258	Yes
14	5510	15	16.5	250	No
15	5510	14	16.4	318	No
16	5510	16	19.7	288	Yes
17	5510	15	17.2	227	Yes
18	5510	13	12.9	216	Yes
19	5510	13	13.6	375	Yes
20	5510	13	14.5	421	Yes
21	5510	16	19	448	Yes
22	5510	15	17.3	430	Yes
23	5510	15	17	445	Yes
24	5510	14	15.9	256	Yes
25	5510	14	15.1	314	Yes
26	5510	13	13.7	302	Yes
27	5510	12	12	291	Yes
28	5510	12	11.2	427	Yes
29	5510	16	18.4	224	Yes
30	5510	15	17.2	382	Yes

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5499.2235
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5499.6235
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5494.8235
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5497.6235
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5497.6235
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5500.0235
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5498.0235
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5495.2235
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5495.6235
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5496.4235
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5520.3765
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5521.5765
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5521.9765
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:			24		VSG Frequency(MHz): 5522.7765	
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5523.1765
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5524.3765
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5525.5765
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5525.9765
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5520.7765
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5521.5765
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 80MHz / 5530 MHz >
Short Pulse Radar Test Waveforms
Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5530	10	1432.7	698	A	Yes
2	5530	6	1618.1	618	A	Yes
3	5530	20	1113.6	898	A	Yes
4	5530	14	1285.3	778	A	Yes
5	5530	18	1165.5	858	A	Yes
6	5530	15	1253.1	798	A	Yes
7	5530	21	1089.3	918	A	Yes
8	5530	13	1319.3	758	A	Yes
9	5530	11	1392.8	718	A	Yes
10	5530	7	1567.4	638	A	Yes
11	5530	3	1792.1	558	A	Yes
12	5530	5	1672.2	598	A	Yes
13	5530	23	326.2	3066	A	Yes
14	5530	17	1193.3	838	A	Yes
15	5530	19	1139	878	A	Yes
16	5530	-	1091.7	916	B	No
17	5530	-	644.3	1552	B	Yes
18	5530	-	896.1	1116	B	Yes
19	5530	-	590.3	1694	B	Yes
20	5530	-	636.5	1571	B	Yes
21	5530	-	433.8	2305	B	Yes
22	5530	-	329.1	3039	B	Yes
23	5530	-	656.2	1524	B	Yes
24	5530	-	536.2	1865	B	Yes
25	5530	-	608.3	1644	B	Yes
26	5530	-	635.3	1574	B	Yes
27	5530	-	1005	995	B	Yes
28	5530	-	634.5	1576	B	Yes
29	5530	-	927.6	1078	B	Yes
30	5530	-	517.6	1932	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	24	1.7	182	Yes
2	5530	26	2.8	203	Yes
3	5530	23	1.1	217	Yes
4	5530	27	3.8	218	Yes
5	5530	25	2.6	163	Yes
6	5530	27	3.7	155	Yes
7	5530	28	4.1	194	Yes
8	5530	24	2.1	165	Yes
9	5530	26	3.2	226	Yes
10	5530	25	2.1	168	No
11	5530	29	4.5	220	Yes
12	5530	29	4.6	213	Yes
13	5530	24	1.6	207	Yes
14	5530	27	3.4	228	Yes
15	5530	27	3.4	162	Yes
16	5530	29	4.9	187	Yes
17	5530	27	3.8	196	Yes
18	5530	24	1.8	152	Yes
19	5530	25	2.1	201	Yes
20	5530	25	2.5	222	Yes
21	5530	29	4.6	214	Yes
22	5530	27	3.8	195	Yes
23	5530	27	3.7	186	No
24	5530	26	3.2	209	Yes
25	5530	26	2.8	227	Yes
26	5530	25	2.2	212	Yes
27	5530	23	1.4	158	Yes
28	5530	23	1.1	188	Yes
29	5530	28	4.3	169	Yes
30	5530	27	3.8	199	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	16	6.7	411	Yes
2	5530	17	7.8	290	Yes
3	5530	16	6.1	326	Yes
4	5530	18	8.8	203	Yes
5	5530	17	7.6	405	Yes
6	5530	17	8.7	239	Yes
7	5530	18	9.1	231	Yes
8	5530	16	7.1	468	Yes
9	5530	17	8.2	251	Yes
10	5530	16	7.1	425	Yes
11	5530	18	9.5	409	Yes
12	5530	18	9.6	352	Yes
13	5530	16	6.6	258	Yes
14	5530	17	8.4	250	Yes
15	5530	17	8.4	318	Yes
16	5530	18	9.9	288	Yes
17	5530	18	8.8	227	Yes
18	5530	16	6.8	216	Yes
19	5530	16	7.1	375	Yes
20	5530	17	7.5	421	Yes
21	5530	18	9.6	448	Yes
22	5530	18	8.8	430	Yes
23	5530	18	8.7	445	Yes
24	5530	17	8.2	256	Yes
25	5530	17	7.8	314	Yes
26	5530	16	7.2	302	Yes
27	5530	16	6.4	291	Yes
28	5530	16	6.1	427	Yes
29	5530	18	9.3	224	No
30	5530	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5530	12	12.7	411	Yes
2	5530	14	15	290	Yes
3	5530	12	11.2	326	Yes
4	5530	15	17.3	203	Yes
5	5530	14	14.7	405	Yes
6	5530	15	17	239	Yes
7	5530	15	18	231	Yes
8	5530	13	13.4	468	Yes
9	5530	14	15.9	251	Yes
10	5530	13	13.6	425	Yes
11	5530	16	18.9	409	Yes
12	5530	16	19.1	352	No
13	5530	12	12.3	258	Yes
14	5530	15	16.5	250	Yes
15	5530	14	16.4	318	Yes
16	5530	16	19.7	288	Yes
17	5530	15	17.2	227	Yes
18	5530	13	12.9	216	Yes
19	5530	13	13.6	375	Yes
20	5530	13	14.5	421	Yes
21	5530	16	19	448	Yes
22	5530	15	17.3	430	Yes
23	5530	15	17	445	Yes
24	5530	14	15.9	256	Yes
25	5530	14	15.1	314	Yes
26	5530	13	13.7	302	No
27	5530	12	12	291	No
28	5530	12	11.2	427	Yes
29	5530	16	18.4	224	Yes
30	5530	15	17.2	382	Yes

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:			9		VSG Frequency(MHz): 5530	
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5498.257
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5498.657
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5493.857
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5496.657
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5496.657
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5499.057
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5497.057
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5494.257
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5494.657
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5495.457
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5561.343
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.4	19	1745.6		65133
2	2	69.5	19	1535.5		217428
3	1	59.2	19			370784
4	3	99.4	19	1093.6	1899.6	520843
5	2	67.8	19	1403.2		46326
6	2	75.3	19	1188.7		198744
7	3	99.7	19	1280.3	1397.3	350648
8	2	72.8	19	1083.2		504159
9	1	51.6	19			27641
10	1	62.9	19			180532
11	3	95.5	19	1746.5	1246.5	331725
12	3	91.8	19	1565.2	1459.2	483259
13	3	95.1	19	1142.9	1030.9	8794
14	2	80.2	19	995.8		161395
15	3	94	19	1151	1543	312891
16	1	61.5	19			467585
17	2	78.5	19	1570.5		618226
18	3	83.5	19	1651.5	930.5	142182
19	2	67.9	19	962.1		295000

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5562.543
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	86.4	16	1140.6	1172.6	499247
2	1	54.1	16			671763
3	1	62.2	16			138621
4	1	51	16			309664
5	2	76.1	16	1096.9		479285
6	1	58.2	16			651418
7	3	89.1	16	1526.9	1387.9	116998
8	3	96.4	16	930.6	1860.6	287308
9	3	95.7	16	1543.3	1459.3	457223
10	2	72.2	16	1575.8		628248
11	3	84.9	16	1630.1	920.1	96162
12	3	84.8	16	1194.2	1374.2	266350
13	1	59.6	16			437906
14	1	64.4	16			608994
15	1	59.8	16			75441
16	2	71.5	16	1464.5		245786
17	2	82.2	16	1112.8		416249

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5562.943
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5563.743
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5564.143
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5565.343
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27		VSG Frequency(MHz): 5566.543	
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5566.943
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5561.743
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5562.543
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	Yes
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes

< Channel Bandwidth 160MHz / 5570 MHz >
Short Pulse Radar Test Waveforms
Radar Type 1

Trial	VSG Frequency (MHz)	Pulse Repetition Frequency	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
		Number (1 to 23)	(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5570	10	1432.7	698	A	Yes
2	5570	6	1618.1	618	A	Yes
3	5570	20	1113.6	898	A	Yes
4	5570	14	1285.3	778	A	Yes
5	5570	18	1165.5	858	A	Yes
6	5570	15	1253.1	798	A	Yes
7	5570	21	1089.3	918	A	Yes
8	5570	13	1319.3	758	A	Yes
9	5570	11	1392.8	718	A	Yes
10	5570	7	1567.4	638	A	Yes
11	5570	3	1792.1	558	A	Yes
12	5570	5	1672.2	598	A	Yes
13	5570	23	326.2	3066	A	Yes
14	5570	17	1193.3	838	A	Yes
15	5570	19	1139	878	A	Yes
16	5570	-	1091.7	916	B	Yes
17	5570	-	644.3	1552	B	Yes
18	5570	-	896.1	1116	B	Yes
19	5570	-	590.3	1694	B	Yes
20	5570	-	636.5	1571	B	Yes
21	5570	-	433.8	2305	B	Yes
22	5570	-	329.1	3039	B	Yes
23	5570	-	656.2	1524	B	Yes
24	5570	-	536.2	1865	B	Yes
25	5570	-	608.3	1644	B	Yes
26	5570	-	635.3	1574	B	Yes
27	5570	-	1005	995	B	Yes
28	5570	-	634.5	1576	B	Yes
29	5570	-	927.6	1078	B	Yes
30	5570	-	517.6	1932	B	Yes

Radar Type 2

Trial	VSG Frequency (MHz)	Number Pulses per Burst (23-29)	Pulse Width (1-5)	PRI (150-230)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5570	24	1.7	182	Yes
2	5570	26	2.8	203	Yes
3	5570	23	1.1	217	Yes
4	5570	27	3.8	218	Yes
5	5570	25	2.6	163	Yes
6	5570	27	3.7	155	Yes
7	5570	28	4.1	194	Yes
8	5570	24	2.1	165	Yes
9	5570	26	3.2	226	Yes
10	5570	25	2.1	168	Yes
11	5570	29	4.5	220	Yes
12	5570	29	4.6	213	Yes
13	5570	24	1.6	207	Yes
14	5570	27	3.4	228	Yes
15	5570	27	3.4	162	Yes
16	5570	29	4.9	187	Yes
17	5570	27	3.8	196	Yes
18	5570	24	1.8	152	Yes
19	5570	25	2.1	201	Yes
20	5570	25	2.5	222	Yes
21	5570	29	4.6	214	Yes
22	5570	27	3.8	195	Yes
23	5570	27	3.7	186	Yes
24	5570	26	3.2	209	Yes
25	5570	26	2.8	227	Yes
26	5570	25	2.2	212	Yes
27	5570	23	1.4	158	No
28	5570	23	1.1	188	Yes
29	5570	28	4.3	169	Yes
30	5570	27	3.8	199	Yes

Radar Type 3

Trial	VSG Frequency (MHz)	Number Pulses per Burst (16-18)	Pulse Width (6-10)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5570	16	6.7	411	Yes
2	5570	17	7.8	290	Yes
3	5570	16	6.1	326	Yes
4	5570	18	8.8	203	Yes
5	5570	17	7.6	405	Yes
6	5570	17	8.7	239	Yes
7	5570	18	9.1	231	Yes
8	5570	16	7.1	468	Yes
9	5570	17	8.2	251	Yes
10	5570	16	7.1	425	Yes
11	5570	18	9.5	409	Yes
12	5570	18	9.6	352	Yes
13	5570	16	6.6	258	Yes
14	5570	17	8.4	250	Yes
15	5570	17	8.4	318	Yes
16	5570	18	9.9	288	Yes
17	5570	18	8.8	227	Yes
18	5570	16	6.8	216	Yes
19	5570	16	7.1	375	Yes
20	5570	17	7.5	421	Yes
21	5570	18	9.6	448	Yes
22	5570	18	8.8	430	Yes
23	5570	18	8.7	445	Yes
24	5570	17	8.2	256	Yes
25	5570	17	7.8	314	Yes
26	5570	16	7.2	302	Yes
27	5570	16	6.4	291	Yes
28	5570	16	6.1	427	Yes
29	5570	18	9.3	224	Yes
30	5570	18	8.8	382	Yes

Radar Type 4

Trial	VSG Frequency (MHz)	Number Pulses per Burst (12-16)	Pulse Width (11-20)	PRI (200-500)	Successful Detection
			(μ s)	(μ s)	(Yes/No)
1	5570	12	12.7	411	Yes
2	5570	14	15	290	Yes
3	5570	12	11.2	326	Yes
4	5570	15	17.3	203	Yes
5	5570	14	14.7	405	Yes
6	5570	15	17	239	Yes
7	5570	15	18	231	Yes
8	5570	13	13.4	468	Yes
9	5570	14	15.9	251	Yes
10	5570	13	13.6	425	Yes
11	5570	16	18.9	409	Yes
12	5570	16	19.1	352	Yes
13	5570	12	12.3	258	Yes
14	5570	15	16.5	250	Yes
15	5570	14	16.4	318	Yes
16	5570	16	19.7	288	Yes
17	5570	15	17.2	227	Yes
18	5570	13	12.9	216	Yes
19	5570	13	13.6	375	Yes
20	5570	13	14.5	421	Yes
21	5570	16	19	448	Yes
22	5570	15	17.3	430	Yes
23	5570	15	17	445	Yes
24	5570	14	15.9	256	Yes
25	5570	14	15.1	314	Yes
26	5570	13	13.7	302	Yes
27	5570	12	12	291	Yes
28	5570	12	11.2	427	Yes
29	5570	16	18.4	224	Yes
30	5570	15	17.2	382	No

Long Pulse Radar Test Waveforms
Radar Type 5_Trial 1

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	59.7	8			524133
2	2	72.1	8	1877.9		813600
3	1	51.6	8			1105599
4	3	84.9	8	1048.1	1580.1	197311
5	2	70.6	8	1565.4		487873
6	2	83.3	8	1793.7		777536
7	3	88.9	8	1401.1	1139.1	1066930
8	1	63.6	8			161950
9	2	77.5	8	1414.5		451902
10	1	64.6	8			743159

Radar Type 5_Trial 2

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	93.7	12	1435.3	1274.3	792205
2	3	94.6	12	1112.4	1691.4	96661
3	1	57.3	12			320494
4	2	80.3	12	1069.7		543060
5	2	80	12	1571		766399
6	3	98.1	12	1794.9	1892.9	69162
7	3	84.3	12	1017.7	965.7	292122
8	1	60.8	12			516168
9	1	64.4	12			739829
10	2	69.2	12	1789.8		41801
11	3	94.2	12	1752.8	1457.8	264387
12	3	85	12	1070	980	487988
13	3	83.5	12	1678.5	1337.5	710055

Radar Type 5_Trial 3

Data Sheet for FCC Radar Type 5						
Trial Number:		3		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	77.3	5	1032.7		23336
2	2	72.7	5	1624.3		386394
3	1	65	5			750316
4	1	55.9	5			1113292
5	1	51.4	5			1476942
6	3	91.1	5	1325.9	1245.9	341278
7	3	84.4	5	1676.6	1313.6	703855
8	1	53.3	5			1068919

Radar Type 5_Trial 4

Data Sheet for FCC Radar Type 5						
Trial Number:		4		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			17		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	84.5	16	1803.5	1093.5	670817
2	1	57.3	16			139757
3	1	50.1	16			310634
4	2	75.3	16	1035.7		480960
5	2	82.3	16	1798.7		650233
6	3	89.9	16	1742.1	1541.1	118143
7	2	70.5	16	1324.5		288989
8	2	74.4	16	1410.6		459370
9	1	50.9	16			631593
10	3	99.4	16	1473.6	1447.6	97273
11	3	88.7	16	1232.3	1171.3	267364
12	3	97.1	16	1725.9	1778.9	437226
13	2	72.9	16	1376.1		609168
14	1	56	16			76622
15	2	67.3	16	1393.7		246780
16	1	58.5	16			418217
17	1	50	16			588960

Radar Type 5_Trial 5

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.3	11			72699
2	3	89.7	11	1688.3	1119.3	295098
3	2	71.4	11	1364.6		518879
4	1	54.6	11			743081
5	3	96.7	11	969.3	1691.3	45032
6	2	75.2	11	1527.8		268094
7	3	99	11	1177	1033	490791
8	2	74.8	11	1805.2		714153
9	3	88.7	11	1249.3	1657.3	17561
10	2	74.3	11	1691.7		240683
11	1	62.2	11			464819
12	1	55.6	11			687787
13	2	77.3	11	1249.7		910109

Radar Type 5_Trial 6

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	87.5	15	1565.5	1527.5	172836
2	2	72.6	15	1682.4		354041
3	3	93.1	15	974.9	1128.9	534895
4	1	61.2	15			718220
5	1	59.2	15			151099
6	3	87.2	15	1502.8	1433.8	331095
7	1	57.2	15			514230
8	1	54.9	15			696150
9	3	97.7	15	1627.3	964.3	128321
10	1	58.1	15			310145
11	1	63.7	15			491787
12	3	86.4	15	1306.6	1467.6	670329
13	1	63.4	15			106420
14	2	69.8	15	1487.2		287153
15	1	55.4	15			469205
16	3	87.9	15	1702.1	1177.1	648121

Radar Type 5_Trial 7

Data Sheet for FCC Radar Type 5						
Trial Number:		7		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.5	17			74662
2	2	71.2	17	1385.8		235522
3	1	55.4	17			397377
4	1	56.4	17			558992
5	1	55.9	17			54851
6	3	90.1	17	1117.9	1821.9	215118
7	1	51.3	17			377462
8	1	63	17			539133
9	3	98.7	17	1106.3	1617.3	34813
10	3	87.9	17	1298.1	1036.1	195670
11	2	82.2	17	1524.8		356941
12	1	51.1	17			518570
13	1	50.5	17			15061
14	3	93.7	17	987.3	1303.3	175755
15	1	65.6	17			337712
16	1	58.3	17			498776
17	2	68.8	17	1075.2		659412
18	2	73.6	17	958.4		156192

Radar Type 5_Trial 8

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	61.9	9			520494
2	1	66.1	9			784991
3	1	54	9			1049007
4	1	61.7	9			223723
5	3	96.9	9	1138.1	1194.1	486799
6	2	80.2	9	1798.8		750777
7	1	51.2	9			1016338
8	3	95.1	9	1128.9	1805.9	190700
9	1	63.7	9			455450
10	2	81.6	9	1659.4		718436
11	1	57.7	9			983494

Radar Type 5_Trial 9

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	68.2	13	995.8		116182
2	2	83.2	13	1816.8		309097
3	1	55.3	13			503740
4	3	93.6	13	1260.4	912.4	695240
5	3	86.9	13	1756.1	1551.1	92085
6	2	78.1	13	1387.9		285661
7	1	53	13			480067
8	1	56.7	13			673690
9	3	99.2	13	1613.8	1208.8	68406
10	2	71.3	13	1288.7		261909
11	3	97.5	13	1128.5	1858.5	454090
12	2	71.2	13	1800.8		647950
13	2	80.1	13	1637.9		44694
14	1	62.5	13			238283
15	2	71.3	13	1492.7		431058

Radar Type 5_Trial 10

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	54.9	9			853780
2	1	56.1	9			28538
3	1	54.4	9			292795
4	1	53.9	9			556719
5	3	92.5	9	1713.5	1014.5	818999
6	1	55.3	9			1085060
7	2	67.6	9	1454.4		259875
8	3	89.9	9	1258.1	1108.1	523193
9	1	57.9	9			788360
10	3	89.3	9	1102.7	1281.7	1050026
11	3	83.9	9	1605.1	952.1	227167

Radar Type 5_Trial 11

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5500.107
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 12

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5500.507
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 13

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5495.707
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	60.4	7			889309
2	2	71.1	7	1506.9		1210709
3	1	51.5	7			203401
4	2	74.8	7	1008.2		526179
5	2	82.1	7	1431.9		848730
6	1	66.6	7			1172282
7	2	78.1	7	1146.9		163535
8	3	98.6	7	1675.4	1225.4	485624
9	3	90.9	7	1241.1	1138.1	807958

Radar Type 5_Trial 14

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5498.507
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	88.4	14	1159.6	1443.6	677049
2	2	79.9	14	1263.1		74111
3	1	53.7	14			267883
4	3	97.9	14	1232.1	1450.1	459922
5	3	87.6	14	1871.4	1278.4	652627
6	3	93.6	14	1488.4	997.4	50239
7	3	94.5	14	1311.5	1445.5	243112
8	1	59.8	14			437985
9	3	99.7	14	1365.3	1163.3	629346
10	3	98.9	14	1032.1	1424.1	26465
11	3	100	14	939	1255	219562
12	1	60	14			413659
13	2	70.3	14	1736.7		605793
14	1	66.6	14			2710
15	2	80.7	14	1598.3		195936

Radar Type 5_Trial 15

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5498.507
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.8	14			390151
2	2	79.8	14	1248.2		582619
3	1	61.4	14			777637
4	2	79.5	14	923.5		172378
5	1	53.3	14			366313
6	1	60.5	14			560123
7	3	86.3	14	1599.7	1805.7	750090
8	3	84	14	1870	976	148153
9	2	70.1	14	1533.9		341437
10	2	75.8	14	1175.2		534896
11	3	91.9	14	1806.1	1194.1	727036
12	3	93.3	14	981.7	1200.7	124402
13	3	93.4	14	963.6	1530.6	317533
14	3	99.2	14	1869.8	1502.8	509606
15	2	67	14	1098		704388

Radar Type 5_Trial 16

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5500.907
Number of Bursts in Trial:			20		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	58.8	20			75608
2	3	97.2	20	1158.8	1498.8	219593
3	3	96.6	20	1757.4	1521.4	363682
4	3	99.8	20	1626.2	1580.2	508398
5	2	71.3	20	1324.7		57608
6	1	59.1	20			203105
7	3	98.7	20	978.3	1308.3	346787
8	1	52.7	20			493217
9	1	55.7	20			39893
10	1	53.8	20			185029
11	1	59.8	20			330181
12	3	93.3	20	1063.7	1548.7	473185
13	2	79.6	20	1618.4		21958
14	2	79.8	20	1602.2		166759
15	2	81.5	20	1864.5		311477
16	3	83.9	20	1843.1	1076.1	455514
17	3	90.1	20	1376.9	1694.9	4122
18	1	54.5	20			149232
19	2	70.9	20	1371.1		293645
20	2	72	20	1273		438577

Radar Type 5_Trial 17

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5498.907
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	52.3	15			731357
2	1	55.2	15			164357
3	3	98.6	15	1211.4	1428.4	344677
4	3	95.3	15	1328.7	1217.7	525585
5	2	80.3	15	1313.7		708020
6	1	52.1	15			141981
7	3	96	15	1016	1283	322255
8	3	83.6	15	1756.4	1222.4	502751
9	2	72.1	15	1622.9		685121
10	3	95.8	15	1748.2	1341.2	119117
11	1	50.2	15			301305
12	1	51	15			482652
13	1	60.7	15			664524
14	2	82.6	15	1363.4		97085
15	3	90	15	1130	1263	277995
16	1	52.7	15			460081

Radar Type 5_Trial 18

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5496.107
Number of Bursts in Trial:			10		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	63.5	8			1027658
2	2	70.5	8	1202.5		119798
3	3	95.3	8	1733.7	1045.7	409756
4	2	71.5	8	1810.5		700486
5	1	54.1	8			991958
6	2	77	8	1865		84046
7	1	55.6	8			374675
8	2	75.7	8	1780.3		664258
9	3	93.6	8	1095.4	1878.4	954021
10	2	67.3	8	1147.7		48285

Radar Type 5_Trial 19

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5496.507
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	56.6	9			308260
2	1	54.1	9			572335
3	3	88.6	9	1831.4	998.4	834338
4	3	91.9	9	1387.1	1476.1	11371
5	1	51.7	9			275673
6	3	88.8	9	1521.2	1563.2	538224
7	2	72.5	9	1547.5		803045
8	2	77.2	9	1496.8		1066999
9	1	64.7	9			243142
10	1	53.5	9			507510
11	3	98.7	9	1402.3	1829.3	768769

Radar Type 5_Trial 20

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5497.307
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	1	51.3	11			876489
2	2	69.5	11	1791.5		177648
3	2	69.2	11	1690.8		401044
4	1	63.2	11			625299
5	1	65	11			848948
6	2	80.7	11	1548.3		150296
7	1	60	11			373953
8	1	53.5	11			597905
9	1	58.7	11			820753
10	2	82.5	11	1715.5		122797
11	3	97.1	11	1011.9	1503.9	345423
12	3	89.8	11	1598.2	1299.2	568405
13	2	78.8	11	1173.2		792273

Radar Type 5_Trial 21

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5500.107
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	98.9	18	1457.1	1705.1	282760
2	2	74.4	18	1569.6		436426
3	2	75.2	18	1021.8		588975
4	1	55.2	18			112773
5	1	60.9	18			265752
6	2	76.3	18	1861.7		416870
7	2	69.7	18	1434.3		569548
8	1	55.2	18			94033
9	2	80.5	18	1193.5		246267
10	1	54.7	18			399677
11	2	76.9	18	1447.1		551157
12	1	57.5	18			75207
13	1	63.6	18			228148
14	1	65.6	18			381097
15	1	62.6	18			533451
16	1	51.6	18			56362
17	2	69.7	18	1672.3		208498
18	1	52.2	18			362005
19	1	64.4	18			514593

Radar Type 5_Trial 22

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5500.507
Number of Bursts in Trial:			19		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.9	19	1249.1	1589.1	37395
2	2	74	19	1751		189707
3	3	99.2	19	1276.8	1113.8	341965
4	2	75.5	19	1049.5		494915
5	2	75.3	19	1338.7		18698
6	3	95.2	19	1480.8	1518.8	170723
7	3	90.6	19	1189.4	1653.4	322565
8	1	59.7	19			477129
9	3	89.1	19	1016.9	1472.9	627574
10	1	52.4	19			152658
11	1	50.6	19			305594
12	3	93.4	19	1160.6	1772.6	456261
13	3	97.4	19	1834.6	1164.6	608462
14	1	54.2	19			133941
15	1	53	19			286937
16	2	79.3	19	1910.7		438201
17	2	78.6	19	1909.4		590063
18	2	81.5	19	1485.5		114756
19	3	94	19	1143	1070	266672

Radar Type 5_Trial 23

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5641.093
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.6	15	1043.4		623658
2	2	73.1	15	1569.9		57689
3	1	59.4	15			239482
4	3	89.4	15	1087.6	1086.6	419612
5	1	53.9	15			602490
6	2	75.8	15	1877.2		35419
7	3	99.7	15	1437.3	1171.3	216118
8	1	56.5	15			398500
9	2	73.7	15	993.3		579538
10	2	71.5	15	1115.5		13110
11	2	70	15	1033		194505
12	1	50.4	15			376207
13	1	66	15			557788
14	3	92.1	15	1402.9	1872.9	735458
15	2	80.2	15	1013.8		172020
16	3	99.1	15	1376.9	1216.9	352389

Radar Type 5_Trial 24

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5641.893
Number of Bursts in Trial:			15		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	79.1	13	1656.9		569837
2	1	53.3	13			764978
3	2	74.6	13	1475.4		159632
4	1	58.2	13			353751
5	2	68.5	13	1464.5		545963
6	2	83.1	13	1737.9		739040
7	3	91.2	13	1285.8	1180.8	135598
8	2	78.7	13	1467.3		329129
9	2	79	13	1640		522586
10	1	54	13			717465
11	1	50.6	13			112259
12	2	66.8	13	1710.2		305273
13	2	78.2	13	1781.8		498389
14	3	85.9	13	1150.1	1236.1	691219
15	2	77.4	13	1661.6		88188

Radar Type 5_Trial 25

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5642.293
Number of Bursts in Trial:			13		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	85.3	12	1472.7	1505.7	324271
2	1	58.7	12			548865
3	1	61.8	12			772413
4	2	81.9	12	1321.1		74367
5	1	55.4	12			298082
6	2	74.1	12	1795.9		520380
7	2	78.5	12	992.5		744147
8	2	82.5	12	1360.5		46864
9	2	78.3	12	942.7		270037
10	1	62.5	12			494177
11	3	94.6	12	1106.4	1223.4	715683
12	1	52.3	12			19419
13	3	86.8	12	1640.2	1617.2	241963

Radar Type 5_Trial 26

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5643.493
Number of Bursts in Trial:			11		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	69.1	9	1651.9		550748
2	3	95.9	9	1343.1	1025.1	813442
3	2	79.6	9	936.4		1078563
4	2	80.1	9	1730.9		254177
5	1	54.6	9			518646
6	3	85.8	9	1081.2	1475.2	781096
7	2	80.5	9	1104.5		1045667
8	1	61	9			222138
9	3	85.2	9	1619.8	1272.8	485139
10	1	63.3	9			750739
11	1	63.7	9			1015003

Radar Type 5_Trial 27

Data Sheet for FCC Radar Type 5						
Trial Number:			27		VSG Frequency(MHz): 5644.693	
Number of Bursts in Trial:			9		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	96.5	6	1410.5	1031.5	231244
2	2	82	6	1088		554326
3	2	80.7	6	1066.3		877058
4	1	60.4	6			1200462
5	3	100	6	1653	1187	191435
6	2	75.1	6	1368.9		514368
7	2	82.8	6	971.2		837152
8	2	78.4	6	1595.6		1159114
9	3	87.9	6	1739.1	1501.1	151780

Radar Type 5_Trial 28

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5645.093
Number of Bursts in Trial:			8		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	3	94.1	5	1883.9	1891.9	533203
2	3	84.7	5	1264.3	1537.3	896526
3	3	91.8	5	1897.2	1233.2	1259097
4	1	54.2	5			126450
5	1	60.1	5			489786
6	2	74.8	5	1377.2		852388
7	2	74.9	5	1721.1		1215262
8	1	50.6	5			81636

Radar Type 5_Trial 29

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5639.893
Number of Bursts in Trial:			18		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	70.9	18	1398.1		197166
2	3	96.3	18	1834.7	1243.7	357207
3	3	95.7	18	1146.3	1577.3	517739
4	2	73.9	18	1559.1		16324
5	2	80.8	18	1741.2		177155
6	1	54.3	18			339089
7	1	59.5	18			500632
8	2	83.2	18	1055.8		660633
9	2	74.4	18	1119.6		157494
10	2	70.5	18	1299.5		318537
11	1	62.2	18			480714
12	3	92.4	18	1886.6	1125.6	638388
13	1	55.3	18			137902
14	1	66.4	18			299098
15	1	50	18			460643
16	3	95.4	18	1386.6	1317.6	619132
17	3	98.1	18	1176.9	1850.9	117596
18	3	85.5	18	1083.5	951.5	278573

Radar Type 5_Trial 30

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5640.693
Number of Bursts in Trial:			16		Successful Detection: Yes	
Burst (8-20)	Number Pulses per Burst (1-3)	Pulse Width (50-100)	Chirp Width (5-20)	Pulse 1-to-2 Spacing	Pulse 2-to-3 Spacing	Starting Location Within Interval
		(μ sec)	(MHz)	(μ sec)	(μ sec)	(μ sec)
1	2	73.4	16	1710.6		494483
2	3	93.5	16	1036.5	1636.5	674764
3	2	68	16	1142		110393
4	2	82.5	16	1105.5		291613
5	1	53.1	16			473533
6	2	79.7	16	1914.3		653047
7	1	66.2	16			88175
8	1	64.5	16			269515
9	3	92.7	16	1268.3	1047.3	449959
10	3	84.4	16	1622.6	1658.6	629919
11	1	54.1	16			65764
12	2	75.4	16	1752.6		246600
13	2	70	16	1819		428020
14	2	79.9	16	1513.1		609172
15	1	60.9	16			43421
16	2	79.8	16	1187.2		224497

Frequency Hopping Radar Test Waveforms
Radar Type 6

Trial	Pulse Width	PRI	Pulses per Hop	Hopping Rate	Hopping Sequence Length	Successful Detection
	(μ sec)	(μ sec)		(kHz)	(msec)	(Yes/No)
1	1	333	9	0.333	300	Yes
2	1	333	9	0.333	300	Yes
3	1	333	9	0.333	300	Yes
4	1	333	9	0.333	300	Yes
5	1	333	9	0.333	300	Yes
6	1	333	9	0.333	300	Yes
7	1	333	9	0.333	300	Yes
8	1	333	9	0.333	300	Yes
9	1	333	9	0.333	300	Yes
10	1	333	9	0.333	300	Yes
11	1	333	9	0.333	300	Yes
12	1	333	9	0.333	300	Yes
13	1	333	9	0.333	300	Yes
14	1	333	9	0.333	300	Yes
15	1	333	9	0.333	300	Yes
16	1	333	9	0.333	300	Yes
17	1	333	9	0.333	300	Yes
18	1	333	9	0.333	300	Yes
19	1	333	9	0.333	300	Yes
20	1	333	9	0.333	300	Yes
21	1	333	9	0.333	300	Yes
22	1	333	9	0.333	300	Yes
23	1	333	9	0.333	300	Yes
24	1	333	9	0.333	300	Yes
25	1	333	9	0.333	300	Yes
26	1	333	9	0.333	300	Yes
27	1	333	9	0.333	300	No
28	1	333	9	0.333	300	Yes
29	1	333	9	0.333	300	Yes
30	1	333	9	0.333	300	Yes