

Radar Type5_Trial27 for 5250MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5323.6385
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	2	76.2	12	1709.8		350662
2	1	63.6	12			574818
3	3	98.7	12	1369.3	1844.3	795775
4	3	86.3	12	1196.7	1352.7	100091
5	2	81.4	12	1475.6		323434
6	3	91.6	12	1598.4	1751.4	545063
7	2	73.9	12	1039.1		770218
8	1	61.6	12			72836
9	1	59	12			296280
10	3	83.6	12	1008.4	1736.4	518218
11	3	95.3	12	1562.7	1750.7	740814
12	2	71.5	12	1335.5		45276
13	3	93.2	12	1227.8	1140.8	268032

Radar Type5_Trial28 for 5250MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5322.4385
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	69.2	15	1617.8		399108
2	1	58.8	15			581120
3	3	96.4	15	1807.6	1316.6	14387
4	3	91.1	15	1161.9	1810.9	195118
5	2	83.3	15	1012.7		377058
6	2	74.3	15	985.7		558143
7	1	60.1	15			740369
8	1	65.7	15			173675
9	1	63.4	15			355284
10	3	95.9	15	1508.1	1700.1	534216
11	1	61.8	15			717836
12	3	90.3	15	1861.7	955.7	150604
13	2	82.7	15	1710.3		331945
14	2	77.7	15	1573.3		513010
15	3	95.7	15	1454.3	1491.3	693212
16	3	88.8	15	1330.2	1685.2	128302

Radar Type5_Trial29 for 5250MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5320.8385
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	52.1	19			248265
2	1	54.1	19			393111
3	2	67.5	19	1286.5		537140
4	1	58.7	19			85190
5	1	64.6	19			230209
6	3	84.6	19	1409.4	1088.4	373615
7	2	74.4	19	1589.6		518986
8	1	50.9	19			67331
9	3	83.8	19	937.2	945.2	211794
10	1	66.4	19			357507
11	2	71.9	19	1233.1		501477
12	2	73.1	19	1440.9		49300
13	3	99.4	19	1850.6	1786.6	193183
14	3	91.4	19	921.6	1322.6	338517
15	1	54.6	19			485127
16	3	92.5	19	1491.5	1015.5	31435
17	1	59.7	19			176622
18	1	59	19			321615
19	2	67.4	19	1266.6		466288
20	2	72.1	19	1320.9		13645

Radar Type5_Trial30 for 5250MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5323.6385
Number of Bursts in Trial:			14		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	73.8	12	1221.2		226744
2	2	82.7	12	1202.3		433856
3	1	54.9	12			641897
4	3	98.5	12	1167.5	1632.5	846621
5	2	73.6	12	1488.4		201213
6	1	55.9	12			408826
7	1	62.8	12			616425
8	2	67.8	12	1301.2		822715
9	3	86.8	12	1200.2	1129.2	175509
10	3	96.1	12	1377.9	1576.9	382055
11	3	98.8	12	1148.2	1279.2	589194
12	1	63.9	12			798438
13	2	78.2	12	1482.8		150177
14	2	72.8	12	1020.2		357348

Frequency Hopping Radar Test Waveforms

Radar Type6 for 5250MHz

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 Type1 for 5500MHz

Data Sheet for FCC Radar Type 1						
Trial	VSG Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
			(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5500	14	1285.3	778	A	Yes
2	5500	21	1089.3	918	A	Yes
3	5500	7	1567.4	638	A	Yes
4	5500	10	1432.7	698	A	Yes
5	5500	12	1355	738	A	Yes
6	5500	23	326.2	3066	A	Yes
7	5500	18	1165.5	858	A	Yes
8	5500	6	1618.1	618	A	Yes
9	5500	5	1672.2	598	A	Yes
10	5500	3	1792.1	558	A	Yes
11	5500	2	1858.7	538	A	Yes
12	5500	20	1113.6	898	A	Yes
13	5500	15	1253.1	798	A	Yes
14	5500	19	1139	878	A	Yes
15	5500	17	1193.3	838	A	Yes
16	5500	-	1022.5	978	B	Yes
17	5500	-	725.2	1379	B	Yes
18	5500	-	1531.4	653	B	Yes
19	5500	-	1919.4	521	B	Yes
20	5500	-	1231.5	812	B	Yes
21	5500	-	1001	999	B	Yes
22	5500	-	343.4	2912	B	Yes
23	5500	-	464.3	2154	B	Yes
24	5500	-	1117.3	895	B	Yes
25	5500	-	495.3	2019	B	Yes
26	5500	-	367.8	2719	B	Yes
27	5500	-	1600	625	B	Yes
28	5500	-	872.6	1146	B	Yes
29	5500	-	358.9	2786	B	Yes
30	5500	-	340.9	2933	B	Yes

Radar Type2 for 5500MHz

Data Sheet for FCC 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	23	1.1	186	Yes
2	5500	25	2.2	206	Yes
3	5500	26	2.8	187	Yes
4	5500	27	3.5	154	Yes
5	5500	23	1.1	162	Yes
6	5500	26	3.1	183	Yes
7	5500	25	2.2	230	Yes
8	5500	24	1.5	222	Yes
9	5500	23	1.4	228	Yes
10	5500	29	4.6	209	Yes
11	5500	23	1.5	161	Yes
12	5500	24	1.8	199	Yes
13	5500	28	4.3	208	Yes
14	5500	24	1.9	229	Yes
15	5500	24	1.8	225	Yes
16	5500	24	1.9	200	Yes
17	5500	24	1.9	202	Yes
18	5500	23	1	172	Yes
19	5500	29	4.7	216	Yes
20	5500	24	1.7	207	Yes
21	5500	28	3.9	158	Yes
22	5500	26	2.8	211	Yes
23	5500	29	4.7	166	Yes
24	5500	23	1	176	Yes
25	5500	24	1.6	181	Yes
26	5500	29	4.5	219	Yes
27	5500	26	2.8	150	Yes
28	5500	27	3.5	171	Yes
29	5500	29	4.7	165	Yes
30	5500	26	3	218	Yes

Radar Type3 for 5500MHz

Data Sheet for FCC 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	6.1	294	Yes
2	5500	16	7.2	259	Yes
3	5500	17	7.8	325	Yes
4	5500	17	8.5	312	Yes
5	5500	16	6.1	257	Yes
6	5500	17	8.1	383	Yes
7	5500	16	7.2	236	Yes
8	5500	16	6.5	266	Yes
9	5500	16	6.4	426	Yes
10	5500	18	9.6	278	Yes
11	5500	16	6.5	320	Yes
12	5500	16	6.8	277	Yes
13	5500	18	9.3	215	Yes
14	5500	16	6.9	310	Yes
15	5500	16	6.8	466	Yes
16	5500	16	6.9	388	Yes
17	5500	16	6.9	327	Yes
18	5500	16	6	481	Yes
19	5500	18	9.7	433	Yes
20	5500	16	6.7	380	Yes
21	5500	18	8.9	381	Yes
22	5500	17	7.8	431	Yes
23	5500	18	9.7	228	Yes
24	5500	16	6	334	Yes
25	5500	16	6.6	457	Yes
26	5500	18	9.5	432	Yes
27	5500	17	7.8	389	Yes
28	5500	17	8.5	498	Yes
29	5500	18	9.7	317	Yes
30	5500	17	8	488	Yes

Radar Type4 for 5500MHz

Data Sheet for FCC 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	11.3	294	Yes
2	5500	13	13.8	259	Yes
3	5500	14	15.1	325	Yes
4	5500	15	16.7	312	Yes
5	5500	12	11.2	257	Yes
6	5500	14	15.6	383	Yes
7	5500	13	13.7	236	Yes
8	5500	12	12.3	266	Yes
9	5500	12	12	426	Yes
10	5500	16	19.1	278	Yes
11	5500	12	12.1	320	Yes
12	5500	12	12.8	277	Yes
13	5500	16	18.3	215	Yes
14	5500	13	13.1	310	Yes
15	5500	13	12.8	466	Yes
16	5500	13	13.1	388	Yes
17	5500	13	13.1	327	Yes
18	5500	12	11	481	Yes
19	5500	16	19.3	433	Yes
20	5500	12	12.7	380	Yes
21	5500	15	17.5	381	Yes
22	5500	14	15.1	431	No
23	5500	16	19.3	228	Yes
24	5500	12	11	334	Yes
25	5500	12	12.4	457	Yes
26	5500	16	18.9	432	Yes
27	5500	14	15.1	389	Yes
28	5500	15	16.7	498	Yes
29	5500	16	19.4	317	Yes
30	5500	14	15.5	488	No



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Long Pulse Radar Test Waveforms

Radar Type5_Trial1 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		1		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	1	52.1	5			429046
2	1	65.6	5			792508
3	2	72.7	5	1058.3		1155287
4	2	81.6	5	1381.4		20690
5	1	51.2	5			384190
6	2	75.7	5	1022.3		747017
7	1	65.3	5			1110776
8	1	57.2	5			1474018

Radar Type5_Trial2 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			12		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	55.9	9			226198
2	3	94.6	9	1678.4	1233.4	466881
3	1	56.1	9			710814
4	1	59.9	9			952744
5	3	90.5	9	1658.5	1888.5	195606
6	1	61.7	9			438478
7	1	60.4	9			680985
8	1	62	9			922396
9	1	62	9			166507
10	1	50.5	9			408780
11	3	95.9	9	1019.1	1070.1	649406
12	1	59.6	9			892538

Radar Type5_Trial3 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		3		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	86.1	12	1194.9	1499.9	125766
2	2	73.1	12	1922.9		348854
3	3	96.2	12	994.8	1053.8	571969
4	1	50.4	12			796301
5	1	57.7	12			98643
6	3	93.8	12	1857.2	1780.2	320702
7	2	72.9	12	1566.1		544852
8	2	81.6	12	1905.4		767269
9	3	96.2	12	1139.8	1361.8	70835
10	2	75	12	942		294126
11	1	61.2	12			517963
12	3	88.6	12	913.4	929.4	740058
13	3	99.1	12	1192.9	1399.9	43385

Radar Type5_Trial4 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		4		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	1	50.9	15			216794
2	2	73.9	15	1527.1		397501
3	2	81.9	15	1122.1		579141
4	3	93.2	15	1412.8	1845.8	12934
5	1	53	15			194605
6	3	97.4	15	1392.6	1447.6	374728
7	1	51.1	15			557611
8	1	51.7	15			738670
9	2	69.8	15	958.2		171934
10	2	76.4	15	1740.6		352788
11	2	73.3	15	1544.7		533941
12	3	83.9	15	1626.1	1801.1	712867
13	3	93.2	15	1308.8	1029.8	149352
14	2	75	15	1903		330499
15	1	50.4	15			513184
16	3	90.9	15	1562.1	1282.1	691757

Radar Type5_Trial5 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		5		VSG Frequency(MHz):		5500
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	2	71	5	1363		254892
2	2	73.3	5	1849.7		617835
3	1	61.4	5			982232
4	1	55.9	5			1345854
5	2	67.4	5	1164.6		210247
6	1	54.6	5			573926
7	2	79.1	5	1815.9		936127
8	2	69.4	5	1157.6		1299589

Radar Type5_Trial6 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5500
Number of Bursts in Trial:			14		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	72.3	13	1756.7		94316
2	2	73.9	13	1091.1		301803
3	1	57.4	13			509324
4	1	52.8	13			717397
5	3	83.7	13	1490.3	1541.3	68778
6	1	61.1	13			276568
7	2	80.9	13	1861.1		482785
8	2	83.3	13	950.7		690575
9	2	67.5	13	1826.5		43371
10	1	60.9	13			250878
11	3	89.6	13	1624.4	1731.4	456599
12	3	87.8	13	1145.2	1482.2	663547
13	2	78.5	13	1596.5		17854
14	2	68.9	13	1189.1		225102



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Radar Type5_Trial7 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		7		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	58.9	9			551439
2	1	53.2	9			815454
3	3	94.7	9	1505.3	1031.3	1076478
4	1	57.9	9			254507
5	1	66.3	9			518671
6	3	96.8	9	1505.2	1869.2	780461
7	2	72.8	9	1732.2		1045399
8	1	66.6	9			221891
9	1	64.6	9			486075
10	2	68.8	9	1073.2		749710
11	2	72.4	9	1141.6		1013159

Radar Type5_Trial8 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5500
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	90.8	7	1874.2	1257.2	230979
2	2	75.2	7	1521.8		553753
3	1	51.6	7			877752
4	3	99.8	7	1801.2	1437.2	1197777
5	2	82.7	7	1160.3		191453
6	2	81.6	7	1256.4		514212
7	3	96.3	7	1844.7	1701.7	835473
8	3	94.8	7	1228.2	1124.2	1158276
9	1	62.4	7			151953



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Radar Type5_Trial9 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5500
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	2	70.9	6	1391.1		474478
2	2	79.2	6	1526.8		796691
3	3	89.9	6	1267.1	1858.1	1118229
4	3	98.4	6	1158.6	1406.6	111869
5	2	68	6	1819		434475
6	1	58.6	6			757983
7	3	95.5	6	1496.5	1607.5	1078535
8	3	90.1	6	1724.9	1353.9	72160
9	1	66.3	6			395471

Radar Type5_Trial10 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5500
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	82.3	19	1390.7		338981
2	3	85.5	19	1513.5	958.5	490290
3	1	62.7	19			15391
4	1	62.4	19			168144
5	1	52	19			320854
6	1	64.3	19			473654
7	1	58.2	19			626909
8	1	61.3	19			149413
9	1	59.5	19			302123
10	3	88.4	19	1682.6	1708.6	452189
11	2	82.4	19	1006.6		607182
12	3	96.7	19	1759.3	1836.3	129854
13	1	55.6	19			283464
14	1	59.3	19			436409
15	3	88.7	19	1593.3	1901.3	585457
16	2	80.4	19	1437.6		111499
17	3	93	19	1063	1449	263427
18	3	86	19	1894	1442	414836
19	2	79.3	19	1913.7		567992

Radar Type5_Trial11 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5493.6
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	2	66.9	16	1266.1		368378
2	1	66.4	16			539901
3	2	80.9	16	1780.1		6118
4	1	54.3	16			177030
5	2	75.1	16	1454.9		346975
6	1	60.9	16			518525
7	1	61.7	16			689066
8	1	50.9	16			155962
9	3	83.6	16	1902.4	1653.4	325034
10	3	84.7	16	1440.3	1064.3	495705
11	1	50.7	16			668630
12	3	85.8	16	1530.2	1745.2	134292
13	3	97.9	16	1260.1	1202.1	304503
14	2	78	16	1115		476083
15	1	64	16			647315
16	2	69.4	16	1699.6		113583
17	3	97.6	16	1800.4	1350.4	283122

Radar Type5_Trial12 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5495.2
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	2	81.6	12	1583.4		594681
2	3	85.4	12	1397.6	1649.6	816591
3	1	64.2	12			121398
4	2	73.3	12	1622.7		344109
5	3	95.4	12	1271.6	1201.6	566527
6	2	81.6	12	1592.4		790554
7	1	66.6	12			93865
8	2	77.8	12	1848.2		316766
9	1	66.1	12			540767
10	3	85	12	926	1471	762231
11	2	69.3	12	1580.7		66233
12	1	60.6	12			289728
13	3	91.1	12	1287.9	1605.9	511508

Radar Type5_Trial13 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5492.4
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	98.4	19	1728.6	1372.6	501316
2	3	90	19	1141	1813	26405
3	3	97.8	19	1568.2	1468.2	178505
4	3	98.3	19	1440.7	925.7	330939
5	1	57.8	19			484965
6	1	66.2	19			7715
7	1	55.9	19			160419
8	1	50.5	19			313489
9	2	70.6	19	1050.4		465034
10	3	85	19	1124	1240	616074
11	2	75.9	19	1314.1		141460
12	3	85.6	19	936.4	1753.4	293399
13	1	64	19			447359
14	2	79.5	19	1644.5		598352
15	2	80	19	935		122676
16	3	96.9	19	1682.1	1761.1	274042
17	3	96	19	1122	1774	426397
18	1	61.2	19			581522
19	2	81.2	19	1693.8		103730



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Radar Type5_Trial14 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5498
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	87.9	5	989.1	1183.1	609756
2	1	57.2	5			974149
3	2	76.7	5	1419.3		1336216
4	1	63.8	5			202718
5	3	84.2	5	1626.8	1319.8	564879
6	3	99.7	5	1645.3	1213.3	927718
7	2	71.5	5	1336.5		1292194
8	3	84.8	5	998.2	1544.2	157626

Radar Type5_Trial15 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5497.2
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	64.3	7			416898
2	2	76.6	7	1782.4		706769
3	1	58.9	7			997961
4	2	75.9	7	1009.1		90443
5	3	92.4	7	1762.6	1392.6	380130
6	3	90.4	7	1438.6	1667.6	670308
7	3	92.6	7	1133.4	1616.4	960230
8	3	86.3	7	1264.7	1489.7	54580
9	1	60.7	7			345451
10	3	88.1	7	1005.9	1634.9	634781

Radar Type5_Trial16 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5492.4
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	99.6	19	1120.4	1496.4	484885
2	2	70.1	19	1396.9		9921
3	3	97.9	19	1740.1	1536.1	161856
4	1	63.5	19			315467
5	3	97.1	19	1512.9	1516.9	466240
6	1	60.9	19			621634
7	1	50.4	19			144040
8	3	88.3	19	1427.7	1399.7	295226
9	3	87.8	19	1515.2	1157.2	447764
10	2	81.3	19	1721.7		600400
11	1	52.1	19			125156
12	3	86.7	19	1084.3	1870.3	276348
13	2	80.9	19	1843.1		429656
14	2	70.1	19	1000.9		582704
15	2	73.8	19	1326.2		106091
16	3	88.2	19	1001.8	1542.8	257828
17	2	72.8	19	1794.2		410979
18	3	83.8	19	1645.2	1298.2	562240
19	2	71.7	19	1203.3		87339

Radar Type5_Trial17 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5495.2
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	2	76.2	12	1709.8		350662
2	1	63.6	12			574818
3	3	98.7	12	1369.3	1844.3	795775
4	3	86.3	12	1196.7	1352.7	100091
5	2	81.4	12	1475.6		323434
6	3	91.6	12	1598.4	1751.4	545063
7	2	73.9	12	1039.1		770218
8	1	61.6	12			72836
9	1	59	12			296280
10	3	83.6	12	1008.4	1736.4	518218
11	3	95.3	12	1562.7	1750.7	740814
12	2	71.5	12	1335.5		45276
13	3	93.2	12	1227.8	1140.8	268032

Radar Type5_Trial18 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5494
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	69.2	15	1617.8		399108
2	1	58.8	15			581120
3	3	96.4	15	1807.6	1316.6	14387
4	3	91.1	15	1161.9	1810.9	195118
5	2	83.3	15	1012.7		377058
6	2	74.3	15	985.7		558143
7	1	60.1	15			740369
8	1	65.7	15			173675
9	1	63.4	15			355284
10	3	95.9	15	1508.1	1700.1	534216
11	1	61.8	15			717836
12	3	90.3	15	1861.7	955.7	150604
13	2	82.7	15	1710.3		331945
14	2	77.7	15	1573.3		513010
15	3	95.7	15	1454.3	1491.3	693212
16	3	88.8	15	1330.2	1685.2	128302

Radar Type5_Trial19 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5492.4
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	52.1	19			248265
2	1	54.1	19			393111
3	2	67.5	19	1286.5		537140
4	1	58.7	19			85190
5	1	64.6	19			230209
6	3	84.6	19	1409.4	1088.4	373615
7	2	74.4	19	1589.6		518986
8	1	50.9	19			67331
9	3	83.8	19	937.2	945.2	211794
10	1	66.4	19			357507
11	2	71.9	19	1233.1		501477
12	2	73.1	19	1440.9		49300
13	3	99.4	19	1850.6	1786.6	193183
14	3	91.4	19	921.6	1322.6	338517
15	1	54.6	19			485127
16	3	92.5	19	1491.5	1015.5	31435
17	1	59.7	19			176622
18	1	59	19			321615
19	2	67.4	19	1266.6		466288
20	2	72.1	19	1320.9		13645

Radar Type5_Trial20 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5495.2
Number of Bursts in Trial:			14		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	73.8	12	1221.2		226744
2	2	82.7	12	1202.3		433856
3	1	54.9	12			641897
4	3	98.5	12	1167.5	1632.5	846621
5	2	73.6	12	1488.4		201213
6	1	55.9	12			408826
7	1	62.8	12			616425
8	2	67.8	12	1301.2		822715
9	3	86.8	12	1200.2	1129.2	175509
10	3	96.1	12	1377.9	1576.9	382055
11	3	98.8	12	1148.2	1279.2	589194
12	1	63.9	12			798438
13	2	78.2	12	1482.8		150177
14	2	72.8	12	1020.2		357348

Radar Type5_Trial21 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5502.4
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	83.5	6	1111.5	1815.5	195950
2	3	84.9	6	1283.1	1738.1	517987
3	2	79.3	6	1079.7		841478
4	3	93.4	6	1690.6	1416.6	1162473
5	3	93	6	1485	1574	156284
6	1	66	6			479725
7	3	98.1	6	1393.9	1877.9	800627
8	2	79.8	6	1402.2		1124397
9	1	63.3	6			116865



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Radar Type5_Trial22 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5503.2
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	3	96.3	8	1398.7	1775.7	394675
2	3	89.9	8	1011.1	1026.1	685348
3	1	57.7	8			977228
4	1	51.3	8			69301
5	2	82.8	8	1484.2		359555
6	1	50.2	8			650592
7	2	82.3	8	1529.7		940081
8	2	83.3	8	1339.7		33482
9	1	59.7	8			324221
10	2	78.3	8	1066.7		614444

Radar Type5_Trial23 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5506.8
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	73.1	17	1783.9		500885
2	3	87.3	17	1651.7	1677.7	660469
3	3	91.6	17	1084.4	1772.4	159273
4	2	71.3	17	1270.7		320686
5	2	72.1	17	1657.9		481316
6	1	57.9	17			643607
7	1	62.4	17			140209
8	1	65.8	17			301679
9	1	65.2	17			462725
10	2	69.9	17	1098.1		622631
11	1	51.1	17			120396
12	2	68	17	1666		280748
13	2	75.1	17	1915.9		441602
14	2	72.7	17	1621.3		603080
15	1	66.1	17			100389
16	1	56.5	17			261836
17	2	81.5	17	1274.5		422282
18	1	52.9	17			584363



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Radar Type5_Trial24 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5503.2
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	3	92.1	8	1175.9	1733.9	131560
2	2	69.7	8	1417.3		395470
3	3	96.4	8	982.6	1089.6	659006
4	1	54	8			924900
5	3	84.6	8	1767.4	1422.4	99087
6	3	94.9	8	1135.1	963.1	362985
7	1	65	8			627953
8	2	69.6	8	1826.4		890348
9	2	80.7	8	1399.3		66792
10	2	81.1	8	1633.9		330486
11	1	63.9	8			595125



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Radar Type5_Trial25 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5503.2
Number of Bursts in Trial:			10		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	55.3	8			945360
2	2	77	8	1226		37725
3	1	55.4	8			328478
4	2	70.7	8	1837.3		618339
5	1	64.6	8			909722
6	1	62.8	8			1957
7	3	92	8	1091	1238	291949
8	3	92	8	955	1288	582186
9	1	63.5	8			873648
10	1	57.2	8			1164349

Radar Type5_Trial26 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5503.2
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	3	85.5	8	1783.5	1260.5	232657
2	2	80.6	8	1891.4		496546
3	1	50.2	8			761670
4	2	82.8	8	1747.2		1024330
5	1	59.8	8			200883
6	1	62.2	8			465307
7	2	78.2	8	1827.8		728076
8	1	64.8	8			993322
9	3	85	8	1912	1693	167841
10	3	85.2	8	1058.8	1098.8	431693
11	2	76.3	8	1018.7		695983

Radar Type5_Trial27 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5503.2
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	68.8	8	1148.2		959599
2	2	79.4	8	1671.6		135579
3	3	91.3	8	973.7	1114.7	399182
4	3	90	8	1382	1580	662490
5	2	82	8	1028		927538
6	2	69	8	1232		103137
7	1	52.7	8			367545
8	3	96.8	8	1017.2	1363.2	630466
9	1	56.2	8			895577
10	1	52.4	8			70715
11	2	77.3	8	1314.7		334616

Radar Type5_Trial28 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5502
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	2	81.4	5	1316.6		823412
2	1	51.8	5			1187763
3	1	59.8	5			52517
4	3	93	5	1272	1168	415355
5	3	95.8	5	1853.2	1210.2	777603
6	3	97.4	5	1313.6	976.6	1140910
7	1	60.4	5			7746
8	1	59.9	5			371165

Radar Type5_Trial29 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5507.6
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	74.2	19	1562.8		308324
2	1	64.5	19			461769
3	2	67.9	19	1195.1		613704
4	3	95.8	19	1085.2	1215.2	136787
5	1	56.5	19			290268
6	3	89.2	19	1878.8	1335.8	440821
7	3	96.2	19	1080.8	1394.8	592790
8	2	71.2	19	1905.8		118147
9	2	74.7	19	1741.3		270611
10	2	82.7	19	1004.3		423464
11	3	86.9	19	1675.1	1694.1	573712
12	1	54.8	19			99596
13	3	95.7	19	1259.3	1098.3	251570
14	3	96	19	1695	1010	403470
15	3	87.7	19	1228.3	1749.3	554838
16	3	86.5	19	1077.5	1088.5	80483
17	3	97.7	19	1139.3	1162.3	232704
18	1	64.1	19			386274
19	2	80.7	19	1106.3		538029



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Radar Type5_Trial30 for 5500MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5503.2
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	2	82.7	8	1163.3		117726
2	3	93.8	8	1141.2	1673.2	407513
3	3	89.2	8	1686.8	1262.8	697584
4	3	95.2	8	1515.8	1103.8	987663
5	1	57.2	8			82048
6	1	54.7	8			372777
7	1	58.2	8			663197
8	3	99.3	8	1070.7	1830.7	951581
9	3	98.4	8	1036.6	1794.6	46142
10	2	72.9	8	996.1		336710

Frequency Hopping Radar Test Waveforms

Radar Type6 for 5500MHz

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 40MHz / 5510 MHz >
Short Pulse Radar Test Waveforms

Radar Type1 for 5510MHz

Data Sheet for FCC Radar Type 1						
Trial	VSG Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
			(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5510	14	1285.3	778	A	Yes
2	5510	21	1089.3	918	A	Yes
3	5510	7	1567.4	638	A	Yes
4	5510	10	1432.7	698	A	Yes
5	5510	12	1355	738	A	Yes
6	5510	23	326.2	3066	A	Yes
7	5510	18	1165.5	858	A	Yes
8	5510	6	1618.1	618	A	Yes
9	5510	5	1672.2	598	A	Yes
10	5510	3	1792.1	558	A	Yes
11	5510	2	1858.7	538	A	Yes
12	5510	20	1113.6	898	A	Yes
13	5510	15	1253.1	798	A	Yes
14	5510	19	1139	878	A	Yes
15	5510	17	1193.3	838	A	Yes
16	5510	-	1022.5	978	B	Yes
17	5510	-	725.2	1379	B	Yes
18	5510	-	1531.4	653	B	Yes
19	5510	-	1919.4	521	B	Yes
20	5510	-	1231.5	812	B	Yes
21	5510	-	1001	999	B	Yes
22	5510	-	343.4	2912	B	Yes
23	5510	-	464.3	2154	B	Yes
24	5510	-	1117.3	895	B	Yes
25	5510	-	495.3	2019	B	Yes
26	5510	-	367.8	2719	B	Yes
27	5510	-	1600	625	B	Yes
28	5510	-	872.6	1146	B	Yes
29	5510	-	358.9	2786	B	Yes
30	5510	-	340.9	2933	B	Yes

Radar Type2 for 5510MHz

Data Sheet for FCC 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	23	1.1	186	Yes
2	5510	25	2.2	206	Yes
3	5510	26	2.8	187	Yes
4	5510	27	3.5	154	Yes
5	5510	23	1.1	162	Yes
6	5510	26	3.1	183	Yes
7	5510	25	2.2	230	Yes
8	5510	24	1.5	222	Yes
9	5510	23	1.4	228	Yes
10	5510	29	4.6	209	Yes
11	5510	23	1.5	161	Yes
12	5510	24	1.8	199	Yes
13	5510	28	4.3	208	Yes
14	5510	24	1.9	229	Yes
15	5510	24	1.8	225	Yes
16	5510	24	1.9	200	Yes
17	5510	24	1.9	202	Yes
18	5510	23	1	172	Yes
19	5510	29	4.7	216	Yes
20	5510	24	1.7	207	Yes
21	5510	28	3.9	158	Yes
22	5510	26	2.8	211	Yes
23	5510	29	4.7	166	Yes
24	5510	23	1	176	Yes
25	5510	24	1.6	181	Yes
26	5510	29	4.5	219	Yes
27	5510	26	2.8	150	Yes
28	5510	27	3.5	171	Yes
29	5510	29	4.7	165	Yes
30	5510	26	3	218	Yes

Radar Type3 for 5510MHz

Data Sheet for FCC 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	6.1	294	Yes
2	5510	16	7.2	259	Yes
3	5510	17	7.8	325	Yes
4	5510	17	8.5	312	Yes
5	5510	16	6.1	257	Yes
6	5510	17	8.1	383	No
7	5510	16	7.2	236	Yes
8	5510	16	6.5	266	Yes
9	5510	16	6.4	426	Yes
10	5510	18	9.6	278	Yes
11	5510	16	6.5	320	Yes
12	5510	16	6.8	277	No
13	5510	18	9.3	215	Yes
14	5510	16	6.9	310	Yes
15	5510	16	6.8	466	Yes
16	5510	16	6.9	388	Yes
17	5510	16	6.9	327	Yes
18	5510	16	6	481	Yes
19	5510	18	9.7	433	Yes
20	5510	16	6.7	380	Yes
21	5510	18	8.9	381	Yes
22	5510	17	7.8	431	No
23	5510	18	9.7	228	Yes
24	5510	16	6	334	Yes
25	5510	16	6.6	457	Yes
26	5510	18	9.5	432	Yes
27	5510	17	7.8	389	Yes
28	5510	17	8.5	498	Yes
29	5510	18	9.7	317	Yes
30	5510	17	8	488	Yes

Radar Type4 for 5510MHz

Data Sheet for FCC 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	11.3	294	Yes
2	5510	13	13.8	259	Yes
3	5510	14	15.1	325	Yes
4	5510	15	16.7	312	No
5	5510	12	11.2	257	Yes
6	5510	14	15.6	383	Yes
7	5510	13	13.7	236	Yes
8	5510	12	12.3	266	Yes
9	5510	12	12	426	Yes
10	5510	16	19.1	278	Yes
11	5510	12	12.1	320	Yes
12	5510	12	12.8	277	Yes
13	5510	16	18.3	215	Yes
14	5510	13	13.1	310	Yes
15	5510	13	12.8	466	Yes
16	5510	13	13.1	388	Yes
17	5510	13	13.1	327	Yes
18	5510	12	11	481	Yes
19	5510	16	19.3	433	Yes
20	5510	12	12.7	380	Yes
21	5510	15	17.5	381	Yes
22	5510	14	15.1	431	Yes
23	5510	16	19.3	228	Yes
24	5510	12	11	334	Yes
25	5510	12	12.4	457	Yes
26	5510	16	18.9	432	Yes
27	5510	14	15.1	389	Yes
28	5510	15	16.7	498	Yes
29	5510	16	19.4	317	Yes
30	5510	14	15.5	488	Yes

Long Pulse Radar Test Waveforms

Radar Type5_Trial1 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5510
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	1	52.1	5			429046
2	1	65.6	5			792508
3	2	72.7	5	1058.3		1155287
4	2	81.6	5	1381.4		20690
5	1	51.2	5			384190
6	2	75.7	5	1022.3		747017
7	1	65.3	5			1110776
8	1	57.2	5			1474018



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Radar Type5_Trial2 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			12		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	55.9	9			226198
2	3	94.6	9	1678.4	1233.4	466881
3	1	56.1	9			710814
4	1	59.9	9			952744
5	3	90.5	9	1658.5	1888.5	195606
6	1	61.7	9			438478
7	1	60.4	9			680985
8	1	62	9			922396
9	1	62	9			166507
10	1	50.5	9			408780
11	3	95.9	9	1019.1	1070.1	649406
12	1	59.6	9			892538

Radar Type5_Trial3 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		3		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	86.1	12	1194.9	1499.9	125766
2	2	73.1	12	1922.9		348854
3	3	96.2	12	994.8	1053.8	571969
4	1	50.4	12			796301
5	1	57.7	12			98643
6	3	93.8	12	1857.2	1780.2	320702
7	2	72.9	12	1566.1		544852
8	2	81.6	12	1905.4		767269
9	3	96.2	12	1139.8	1361.8	70835
10	2	75	12	942		294126
11	1	61.2	12			517963
12	3	88.6	12	913.4	929.4	740058
13	3	99.1	12	1192.9	1399.9	43385

Radar Type5_Trial4 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		4		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	1	50.9	15			216794
2	2	73.9	15	1527.1		397501
3	2	81.9	15	1122.1		579141
4	3	93.2	15	1412.8	1845.8	12934
5	1	53	15			194605
6	3	97.4	15	1392.6	1447.6	374728
7	1	51.1	15			557611
8	1	51.7	15			738670
9	2	69.8	15	958.2		171934
10	2	76.4	15	1740.6		352788
11	2	73.3	15	1544.7		533941
12	3	83.9	15	1626.1	1801.1	712867
13	3	93.2	15	1308.8	1029.8	149352
14	2	75	15	1903		330499
15	1	50.4	15			513184
16	3	90.9	15	1562.1	1282.1	691757



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Radar Type5_Trial5 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		5		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	71	5	1363		254892
2	2	73.3	5	1849.7		617835
3	1	61.4	5			982232
4	1	55.9	5			1345854
5	2	67.4	5	1164.6		210247
6	1	54.6	5			573926
7	2	79.1	5	1815.9		936127
8	2	69.4	5	1157.6		1299589

Radar Type5_Trial6 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5510
Number of Bursts in Trial:			14		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	72.3	13	1756.7		94316
2	2	73.9	13	1091.1		301803
3	1	57.4	13			509324
4	1	52.8	13			717397
5	3	83.7	13	1490.3	1541.3	68778
6	1	61.1	13			276568
7	2	80.9	13	1861.1		482785
8	2	83.3	13	950.7		690575
9	2	67.5	13	1826.5		43371
10	1	60.9	13			250878
11	3	89.6	13	1624.4	1731.4	456599
12	3	87.8	13	1145.2	1482.2	663547
13	2	78.5	13	1596.5		17854
14	2	68.9	13	1189.1		225102

Radar Type5_Trial7 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		7		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	58.9	9			551439
2	1	53.2	9			815454
3	3	94.7	9	1505.3	1031.3	1076478
4	1	57.9	9			254507
5	1	66.3	9			518671
6	3	96.8	9	1505.2	1869.2	780461
7	2	72.8	9	1732.2		1045399
8	1	66.6	9			221891
9	1	64.6	9			486075
10	2	68.8	9	1073.2		749710
11	2	72.4	9	1141.6		1013159

Radar Type5_Trial8 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5510
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	90.8	7	1874.2	1257.2	230979
2	2	75.2	7	1521.8		553753
3	1	51.6	7			877752
4	3	99.8	7	1801.2	1437.2	1197777
5	2	82.7	7	1160.3		191453
6	2	81.6	7	1256.4		514212
7	3	96.3	7	1844.7	1701.7	835473
8	3	94.8	7	1228.2	1124.2	1158276
9	1	62.4	7			151953



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Radar Type5_Trial9 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5510
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	2	70.9	6	1391.1		474478
2	2	79.2	6	1526.8		796691
3	3	89.9	6	1267.1	1858.1	1118229
4	3	98.4	6	1158.6	1406.6	111869
5	2	68	6	1819		434475
6	1	58.6	6			757983
7	3	95.5	6	1496.5	1607.5	1078535
8	3	90.1	6	1724.9	1353.9	72160
9	1	66.3	6			395471



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Radar Type5_Trial10 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5510
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	82.3	19	1390.7		338981
2	3	85.5	19	1513.5	958.5	490290
3	1	62.7	19			15391
4	1	62.4	19			168144
5	1	52	19			320854
6	1	64.3	19			473654
7	1	58.2	19			626909
8	1	61.3	19			149413
9	1	59.5	19			302123
10	3	88.4	19	1682.6	1708.6	452189
11	2	82.4	19	1006.6		607182
12	3	96.7	19	1759.3	1836.3	129854
13	1	55.6	19			283464
14	1	59.3	19			436409
15	3	88.7	19	1593.3	1901.3	585457
16	2	80.4	19	1437.6		111499
17	3	93	19	1063	1449	263427
18	3	86	19	1894	1442	414836
19	2	79.3	19	1913.7		567992



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Radar Type5_Trial11 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5493.4645
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	83.5	6	1111.5	1815.5	195950
2	3	84.9	6	1283.1	1738.1	517987
3	2	79.3	6	1079.7		841478
4	3	93.4	6	1690.6	1416.6	1162473
5	3	93	6	1485	1574	156284
6	1	66	6			479725
7	3	98.1	6	1393.9	1877.9	800627
8	2	79.8	6	1402.2		1124397
9	1	63.3	6			116865

Radar Type5_Trial12 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5494.2645
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	3	96.3	8	1398.7	1775.7	394675
2	3	89.9	8	1011.1	1026.1	685348
3	1	57.7	8			977228
4	1	51.3	8			69301
5	2	82.8	8	1484.2		359555
6	1	50.2	8			650592
7	2	82.3	8	1529.7		940081
8	2	83.3	8	1339.7		33482
9	1	59.7	8			324221
10	2	78.3	8	1066.7		614444

Radar Type5_Trial13 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5497.8645
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	73.1	17	1783.9		500885
2	3	87.3	17	1651.7	1677.7	660469
3	3	91.6	17	1084.4	1772.4	159273
4	2	71.3	17	1270.7		320686
5	2	72.1	17	1657.9		481316
6	1	57.9	17			643607
7	1	62.4	17			140209
8	1	65.8	17			301679
9	1	65.2	17			462725
10	2	69.9	17	1098.1		622631
11	1	51.1	17			120396
12	2	68	17	1666		280748
13	2	75.1	17	1915.9		441602
14	2	72.7	17	1621.3		603080
15	1	66.1	17			100389
16	1	56.5	17			261836
17	2	81.5	17	1274.5		422282
18	1	52.9	17			584363

Radar Type5_Trial14 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5494.2645
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	3	92.1	8	1175.9	1733.9	131560
2	2	69.7	8	1417.3		395470
3	3	96.4	8	982.6	1089.6	659006
4	1	54	8			924900
5	3	84.6	8	1767.4	1422.4	99087
6	3	94.9	8	1135.1	963.1	362985
7	1	65	8			627953
8	2	69.6	8	1826.4		890348
9	2	80.7	8	1399.3		66792
10	2	81.1	8	1633.9		330486
11	1	63.9	8			595125



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Radar Type5_Trial15 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5494.2645
Number of Bursts in Trial:			10		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	55.3	8			945360
2	2	77	8	1226		37725
3	1	55.4	8			328478
4	2	70.7	8	1837.3		618339
5	1	64.6	8			909722
6	1	62.8	8			1957
7	3	92	8	1091	1238	291949
8	3	92	8	955	1288	582186
9	1	63.5	8			873648
10	1	57.2	8			1164349

Radar Type5_Trial16 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5494.2645
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	3	85.5	8	1783.5	1260.5	232657
2	2	80.6	8	1891.4		496546
3	1	50.2	8			761670
4	2	82.8	8	1747.2		1024330
5	1	59.8	8			200883
6	1	62.2	8			465307
7	2	78.2	8	1827.8		728076
8	1	64.8	8			993322
9	3	85	8	1912	1693	167841
10	3	85.2	8	1058.8	1098.8	431693
11	2	76.3	8	1018.7		695983

Radar Type5_Trial17 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5494.2645
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	68.8	8	1148.2		959599
2	2	79.4	8	1671.6		135579
3	3	91.3	8	973.7	1114.7	399182
4	3	90	8	1382	1580	662490
5	2	82	8	1028		927538
6	2	69	8	1232		103137
7	1	52.7	8			367545
8	3	96.8	8	1017.2	1363.2	630466
9	1	56.2	8			895577
10	1	52.4	8			70715
11	2	77.3	8	1314.7		334616



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Radar Type5_Trial18 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5493.0645
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	2	81.4	5	1316.6		823412
2	1	51.8	5			1187763
3	1	59.8	5			52517
4	3	93	5	1272	1168	415355
5	3	95.8	5	1853.2	1210.2	777603
6	3	97.4	5	1313.6	976.6	1140910
7	1	60.4	5			7746
8	1	59.9	5			371165

Radar Type5_Trial19 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5498.6645
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	74.2	19	1562.8		308324
2	1	64.5	19			461769
3	2	67.9	19	1195.1		613704
4	3	95.8	19	1085.2	1215.2	136787
5	1	56.5	19			290268
6	3	89.2	19	1878.8	1335.8	440821
7	3	96.2	19	1080.8	1394.8	592790
8	2	71.2	19	1905.8		118147
9	2	74.7	19	1741.3		270611
10	2	82.7	19	1004.3		423464
11	3	86.9	19	1675.1	1694.1	573712
12	1	54.8	19			99596
13	3	95.7	19	1259.3	1098.3	251570
14	3	96	19	1695	1010	403470
15	3	87.7	19	1228.3	1749.3	554838
16	3	86.5	19	1077.5	1088.5	80483
17	3	97.7	19	1139.3	1162.3	232704
18	1	64.1	19			386274
19	2	80.7	19	1106.3		538029

Radar Type5_Trial20 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5494.2645
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	2	82.7	8	1163.3		117726
2	3	93.8	8	1141.2	1673.2	407513
3	3	89.2	8	1686.8	1262.8	697584
4	3	95.2	8	1515.8	1103.8	987663
5	1	57.2	8			82048
6	1	54.7	8			372777
7	1	58.2	8			663197
8	3	99.3	8	1070.7	1830.7	951581
9	3	98.4	8	1036.6	1794.6	46142
10	2	72.9	8	996.1		336710

Radar Type5_Trial21 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5522.5355
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	2	66.9	16	1266.1		368378
2	1	66.4	16			539901
3	2	80.9	16	1780.1		6118
4	1	54.3	16			177030
5	2	75.1	16	1454.9		346975
6	1	60.9	16			518525
7	1	61.7	16			689066
8	1	50.9	16			155962
9	3	83.6	16	1902.4	1653.4	325034
10	3	84.7	16	1440.3	1064.3	495705
11	1	50.7	16			668630
12	3	85.8	16	1530.2	1745.2	134292
13	3	97.9	16	1260.1	1202.1	304503
14	2	78	16	1115		476083
15	1	64	16			647315
16	2	69.4	16	1699.6		113583
17	3	97.6	16	1800.4	1350.4	283122

Radar Type5_Trial22 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5524.1355
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	2	81.6	12	1583.4		594681
2	3	85.4	12	1397.6	1649.6	816591
3	1	64.2	12			121398
4	2	73.3	12	1622.7		344109
5	3	95.4	12	1271.6	1201.6	566527
6	2	81.6	12	1592.4		790554
7	1	66.6	12			93865
8	2	77.8	12	1848.2		316766
9	1	66.1	12			540767
10	3	85	12	926	1471	762231
11	2	69.3	12	1580.7		66233
12	1	60.6	12			289728
13	3	91.1	12	1287.9	1605.9	511508

Radar Type5_Trial23 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5521.3355
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	98.4	19	1728.6	1372.6	501316
2	3	90	19	1141	1813	26405
3	3	97.8	19	1568.2	1468.2	178505
4	3	98.3	19	1440.7	925.7	330939
5	1	57.8	19			484965
6	1	66.2	19			7715
7	1	55.9	19			160419
8	1	50.5	19			313489
9	2	70.6	19	1050.4		465034
10	3	85	19	1124	1240	616074
11	2	75.9	19	1314.1		141460
12	3	85.6	19	936.4	1753.4	293399
13	1	64	19			447359
14	2	79.5	19	1644.5		598352
15	2	80	19	935		122676
16	3	96.9	19	1682.1	1761.1	274042
17	3	96	19	1122	1774	426397
18	1	61.2	19			581522
19	2	81.2	19	1693.8		103730



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Radar Type5_Trial24 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5526.9355
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	87.9	5	989.1	1183.1	609756
2	1	57.2	5			974149
3	2	76.7	5	1419.3		1336216
4	1	63.8	5			202718
5	3	84.2	5	1626.8	1319.8	564879
6	3	99.7	5	1645.3	1213.3	927718
7	2	71.5	5	1336.5		1292194
8	3	84.8	5	998.2	1544.2	157626

Radar Type5_Trial25 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5526.1355
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	64.3	7			416898
2	2	76.6	7	1782.4		706769
3	1	58.9	7			997961
4	2	75.9	7	1009.1		90443
5	3	92.4	7	1762.6	1392.6	380130
6	3	90.4	7	1438.6	1667.6	670308
7	3	92.6	7	1133.4	1616.4	960230
8	3	86.3	7	1264.7	1489.7	54580
9	1	60.7	7			345451
10	3	88.1	7	1005.9	1634.9	634781

Radar Type5_Trial26 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5521.3355
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	99.6	19	1120.4	1496.4	484885
2	2	70.1	19	1396.9		9921
3	3	97.9	19	1740.1	1536.1	161856
4	1	63.5	19			315467
5	3	97.1	19	1512.9	1516.9	466240
6	1	60.9	19			621634
7	1	50.4	19			144040
8	3	88.3	19	1427.7	1399.7	295226
9	3	87.8	19	1515.2	1157.2	447764
10	2	81.3	19	1721.7		600400
11	1	52.1	19			125156
12	3	86.7	19	1084.3	1870.3	276348
13	2	80.9	19	1843.1		429656
14	2	70.1	19	1000.9		582704
15	2	73.8	19	1326.2		106091
16	3	88.2	19	1001.8	1542.8	257828
17	2	72.8	19	1794.2		410979
18	3	83.8	19	1645.2	1298.2	562240
19	2	71.7	19	1203.3		87339

Radar Type5_Trial27 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5524.1355
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	2	76.2	12	1709.8		350662
2	1	63.6	12			574818
3	3	98.7	12	1369.3	1844.3	795775
4	3	86.3	12	1196.7	1352.7	100091
5	2	81.4	12	1475.6		323434
6	3	91.6	12	1598.4	1751.4	545063
7	2	73.9	12	1039.1		770218
8	1	61.6	12			72836
9	1	59	12			296280
10	3	83.6	12	1008.4	1736.4	518218
11	3	95.3	12	1562.7	1750.7	740814
12	2	71.5	12	1335.5		45276
13	3	93.2	12	1227.8	1140.8	268032

Radar Type5_Trial28 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5522.9355
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	69.2	15	1617.8		399108
2	1	58.8	15			581120
3	3	96.4	15	1807.6	1316.6	14387
4	3	91.1	15	1161.9	1810.9	195118
5	2	83.3	15	1012.7		377058
6	2	74.3	15	985.7		558143
7	1	60.1	15			740369
8	1	65.7	15			173675
9	1	63.4	15			355284
10	3	95.9	15	1508.1	1700.1	534216
11	1	61.8	15			717836
12	3	90.3	15	1861.7	955.7	150604
13	2	82.7	15	1710.3		331945
14	2	77.7	15	1573.3		513010
15	3	95.7	15	1454.3	1491.3	693212
16	3	88.8	15	1330.2	1685.2	128302

Radar Type5_Trial29 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5521.3355
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	52.1	19			248265
2	1	54.1	19			393111
3	2	67.5	19	1286.5		537140
4	1	58.7	19			85190
5	1	64.6	19			230209
6	3	84.6	19	1409.4	1088.4	373615
7	2	74.4	19	1589.6		518986
8	1	50.9	19			67331
9	3	83.8	19	937.2	945.2	211794
10	1	66.4	19			357507
11	2	71.9	19	1233.1		501477
12	2	73.1	19	1440.9		49300
13	3	99.4	19	1850.6	1786.6	193183
14	3	91.4	19	921.6	1322.6	338517
15	1	54.6	19			485127
16	3	92.5	19	1491.5	1015.5	31435
17	1	59.7	19			176622
18	1	59	19			321615
19	2	67.4	19	1266.6		466288
20	2	72.1	19	1320.9		13645

Radar Type5_Trial30 for 5510MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5524.1355
Number of Bursts in Trial:			14		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	73.8	12	1221.2		226744
2	2	82.7	12	1202.3		433856
3	1	54.9	12			641897
4	3	98.5	12	1167.5	1632.5	846621
5	2	73.6	12	1488.4		201213
6	1	55.9	12			408826
7	1	62.8	12			616425
8	2	67.8	12	1301.2		822715
9	3	86.8	12	1200.2	1129.2	175509
10	3	96.1	12	1377.9	1576.9	382055
11	3	98.8	12	1148.2	1279.2	589194
12	1	63.9	12			798438
13	2	78.2	12	1482.8		150177
14	2	72.8	12	1020.2		357348

Frequency Hopping Radar Test Waveforms

Radar Type6 for 5510MHz

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)	(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	No
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 Type1 for 5530MHz

Data Sheet for FCC Radar Type 1						
Trial	VSG Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
			(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5530	14	1285.3	778	A	Yes
2	5530	21	1089.3	918	A	Yes
3	5530	7	1567.4	638	A	Yes
4	5530	10	1432.7	698	A	Yes
5	5530	12	1355	738	A	Yes
6	5530	23	326.2	3066	A	Yes
7	5530	18	1165.5	858	A	Yes
8	5530	6	1618.1	618	A	Yes
9	5530	5	1672.2	598	A	Yes
10	5530	3	1792.1	558	A	Yes
11	5530	2	1858.7	538	A	Yes
12	5530	20	1113.6	898	A	Yes
13	5530	15	1253.1	798	A	Yes
14	5530	19	1139	878	A	Yes
15	5530	17	1193.3	838	A	Yes
16	5530	-	1022.5	978	B	Yes
17	5530	-	725.2	1379	B	Yes
18	5530	-	1531.4	653	B	Yes
19	5530	-	1919.4	521	B	Yes
20	5530	-	1231.5	812	B	Yes
21	5530	-	1001	999	B	Yes
22	5530	-	343.4	2912	B	Yes
23	5530	-	464.3	2154	B	Yes
24	5530	-	1117.3	895	B	Yes
25	5530	-	495.3	2019	B	Yes
26	5530	-	367.8	2719	B	Yes
27	5530	-	1600	625	B	Yes
28	5530	-	872.6	1146	B	Yes
29	5530	-	358.9	2786	B	Yes
30	5530	-	340.9	2933	B	Yes

Radar Type2 for 5530MHz

Data Sheet for FCC 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	23	1.1	186	Yes
2	5530	25	2.2	206	Yes
3	5530	26	2.8	187	Yes
4	5530	27	3.5	154	Yes
5	5530	23	1.1	162	Yes
6	5530	26	3.1	183	Yes
7	5530	25	2.2	230	Yes
8	5530	24	1.5	222	Yes
9	5530	23	1.4	228	Yes
10	5530	29	4.6	209	Yes
11	5530	23	1.5	161	Yes
12	5530	24	1.8	199	Yes
13	5530	28	4.3	208	Yes
14	5530	24	1.9	229	Yes
15	5530	24	1.8	225	Yes
16	5530	24	1.9	200	Yes
17	5530	24	1.9	202	Yes
18	5530	23	1	172	Yes
19	5530	29	4.7	216	Yes
20	5530	24	1.7	207	Yes
21	5530	28	3.9	158	Yes
22	5530	26	2.8	211	Yes
23	5530	29	4.7	166	Yes
24	5530	23	1	176	Yes
25	5530	24	1.6	181	Yes
26	5530	29	4.5	219	Yes
27	5530	26	2.8	150	Yes
28	5530	27	3.5	171	Yes
29	5530	29	4.7	165	Yes
30	5530	26	3	218	Yes

Radar Type3 for 5530MHz

Data Sheet for FCC 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	6.1	294	Yes
2	5530	16	7.2	259	Yes
3	5530	17	7.8	325	Yes
4	5530	17	8.5	312	Yes
5	5530	16	6.1	257	Yes
6	5530	17	8.1	383	Yes
7	5530	16	7.2	236	Yes
8	5530	16	6.5	266	Yes
9	5530	16	6.4	426	Yes
10	5530	18	9.6	278	Yes
11	5530	16	6.5	320	Yes
12	5530	16	6.8	277	Yes
13	5530	18	9.3	215	Yes
14	5530	16	6.9	310	Yes
15	5530	16	6.8	466	Yes
16	5530	16	6.9	388	Yes
17	5530	16	6.9	327	Yes
18	5530	16	6	481	Yes
19	5530	18	9.7	433	Yes
20	5530	16	6.7	380	Yes
21	5530	18	8.9	381	Yes
22	5530	17	7.8	431	Yes
23	5530	18	9.7	228	Yes
24	5530	16	6	334	Yes
25	5530	16	6.6	457	Yes
26	5530	18	9.5	432	Yes
27	5530	17	7.8	389	Yes
28	5530	17	8.5	498	Yes
29	5530	18	9.7	317	Yes
30	5530	17	8	488	Yes

Radar Type4 for 5530MHz

Data Sheet for FCC 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	11.3	294	Yes
2	5530	13	13.8	259	Yes
3	5530	14	15.1	325	Yes
4	5530	15	16.7	312	Yes
5	5530	12	11.2	257	Yes
6	5530	14	15.6	383	Yes
7	5530	13	13.7	236	Yes
8	5530	12	12.3	266	Yes
9	5530	12	12	426	Yes
10	5530	16	19.1	278	Yes
11	5530	12	12.1	320	Yes
12	5530	12	12.8	277	Yes
13	5530	16	18.3	215	Yes
14	5530	13	13.1	310	Yes
15	5530	13	12.8	466	Yes
16	5530	13	13.1	388	Yes
17	5530	13	13.1	327	Yes
18	5530	12	11	481	Yes
19	5530	16	19.3	433	Yes
20	5530	12	12.7	380	Yes
21	5530	15	17.5	381	Yes
22	5530	14	15.1	431	Yes
23	5530	16	19.3	228	Yes
24	5530	12	11	334	Yes
25	5530	12	12.4	457	Yes
26	5530	16	18.9	432	Yes
27	5530	14	15.1	389	Yes
28	5530	15	16.7	498	Yes
29	5530	16	19.4	317	Yes
30	5530	14	15.5	488	Yes



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Long Pulse Radar Test Waveforms

Radar Type5_Trial1 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		1		VSG Frequency(MHz):		5530
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	1	52.1	5			429046
2	1	65.6	5			792508
3	2	72.7	5	1058.3		1155287
4	2	81.6	5	1381.4		20690
5	1	51.2	5			384190
6	2	75.7	5	1022.3		747017
7	1	65.3	5			1110776
8	1	57.2	5			1474018



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Radar Type5_Trial2 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		2		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			12		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	55.9	9			226198
2	3	94.6	9	1678.4	1233.4	466881
3	1	56.1	9			710814
4	1	59.9	9			952744
5	3	90.5	9	1658.5	1888.5	195606
6	1	61.7	9			438478
7	1	60.4	9			680985
8	1	62	9			922396
9	1	62	9			166507
10	1	50.5	9			408780
11	3	95.9	9	1019.1	1070.1	649406
12	1	59.6	9			892538

Radar Type5_Trial3 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		3		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	86.1	12	1194.9	1499.9	125766
2	2	73.1	12	1922.9		348854
3	3	96.2	12	994.8	1053.8	571969
4	1	50.4	12			796301
5	1	57.7	12			98643
6	3	93.8	12	1857.2	1780.2	320702
7	2	72.9	12	1566.1		544852
8	2	81.6	12	1905.4		767269
9	3	96.2	12	1139.8	1361.8	70835
10	2	75	12	942		294126
11	1	61.2	12			517963
12	3	88.6	12	913.4	929.4	740058
13	3	99.1	12	1192.9	1399.9	43385

Radar Type5_Trial4 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		4		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	1	50.9	15			216794
2	2	73.9	15	1527.1		397501
3	2	81.9	15	1122.1		579141
4	3	93.2	15	1412.8	1845.8	12934
5	1	53	15			194605
6	3	97.4	15	1392.6	1447.6	374728
7	1	51.1	15			557611
8	1	51.7	15			738670
9	2	69.8	15	958.2		171934
10	2	76.4	15	1740.6		352788
11	2	73.3	15	1544.7		533941
12	3	83.9	15	1626.1	1801.1	712867
13	3	93.2	15	1308.8	1029.8	149352
14	2	75	15	1903		330499
15	1	50.4	15			513184
16	3	90.9	15	1562.1	1282.1	691757

Radar Type5_Trial5 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		5		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	71	5	1363		254892
2	2	73.3	5	1849.7		617835
3	1	61.4	5			982232
4	1	55.9	5			1345854
5	2	67.4	5	1164.6		210247
6	1	54.6	5			573926
7	2	79.1	5	1815.9		936127
8	2	69.4	5	1157.6		1299589

Radar Type5_Trial6 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5530
Number of Bursts in Trial:			14		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	72.3	13	1756.7		94316
2	2	73.9	13	1091.1		301803
3	1	57.4	13			509324
4	1	52.8	13			717397
5	3	83.7	13	1490.3	1541.3	68778
6	1	61.1	13			276568
7	2	80.9	13	1861.1		482785
8	2	83.3	13	950.7		690575
9	2	67.5	13	1826.5		43371
10	1	60.9	13			250878
11	3	89.6	13	1624.4	1731.4	456599
12	3	87.8	13	1145.2	1482.2	663547
13	2	78.5	13	1596.5		17854
14	2	68.9	13	1189.1		225102



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Radar Type5_Trial7 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		7		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	58.9	9			551439
2	1	53.2	9			815454
3	3	94.7	9	1505.3	1031.3	1076478
4	1	57.9	9			254507
5	1	66.3	9			518671
6	3	96.8	9	1505.2	1869.2	780461
7	2	72.8	9	1732.2		1045399
8	1	66.6	9			221891
9	1	64.6	9			486075
10	2	68.8	9	1073.2		749710
11	2	72.4	9	1141.6		1013159

Radar Type5_Trial8 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5530
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	90.8	7	1874.2	1257.2	230979
2	2	75.2	7	1521.8		553753
3	1	51.6	7			877752
4	3	99.8	7	1801.2	1437.2	1197777
5	2	82.7	7	1160.3		191453
6	2	81.6	7	1256.4		514212
7	3	96.3	7	1844.7	1701.7	835473
8	3	94.8	7	1228.2	1124.2	1158276
9	1	62.4	7			151953



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Radar Type5_Trial9 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		9		VSG Frequency(MHz):		5530
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	2	70.9	6	1391.1		474478
2	2	79.2	6	1526.8		796691
3	3	89.9	6	1267.1	1858.1	1118229
4	3	98.4	6	1158.6	1406.6	111869
5	2	68	6	1819		434475
6	1	58.6	6			757983
7	3	95.5	6	1496.5	1607.5	1078535
8	3	90.1	6	1724.9	1353.9	72160
9	1	66.3	6			395471



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Radar Type5_Trial10 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		10		VSG Frequency(MHz):		5530
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	82.3	19	1390.7		338981
2	3	85.5	19	1513.5	958.5	490290
3	1	62.7	19			15391
4	1	62.4	19			168144
5	1	52	19			320854
6	1	64.3	19			473654
7	1	58.2	19			626909
8	1	61.3	19			149413
9	1	59.5	19			302123
10	3	88.4	19	1682.6	1708.6	452189
11	2	82.4	19	1006.6		607182
12	3	96.7	19	1759.3	1836.3	129854
13	1	55.6	19			283464
14	1	59.3	19			436409
15	3	88.7	19	1593.3	1901.3	585457
16	2	80.4	19	1437.6		111499
17	3	93	19	1063	1449	263427
18	3	86	19	1894	1442	414836
19	2	79.3	19	1913.7		567992

Radar Type5_Trial11 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5494.4615
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	83.5	6	1111.5	1815.5	195950
2	3	84.9	6	1283.1	1738.1	517987
3	2	79.3	6	1079.7		841478
4	3	93.4	6	1690.6	1416.6	1162473
5	3	93	6	1485	1574	156284
6	1	66	6			479725
7	3	98.1	6	1393.9	1877.9	800627
8	2	79.8	6	1402.2		1124397
9	1	63.3	6			116865

Radar Type5_Trial12 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5495.2615
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	3	96.3	8	1398.7	1775.7	394675
2	3	89.9	8	1011.1	1026.1	685348
3	1	57.7	8			977228
4	1	51.3	8			69301
5	2	82.8	8	1484.2		359555
6	1	50.2	8			650592
7	2	82.3	8	1529.7		940081
8	2	83.3	8	1339.7		33482
9	1	59.7	8			324221
10	2	78.3	8	1066.7		614444

Radar Type5_Trial13 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5498.8615
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	73.1	17	1783.9		500885
2	3	87.3	17	1651.7	1677.7	660469
3	3	91.6	17	1084.4	1772.4	159273
4	2	71.3	17	1270.7		320686
5	2	72.1	17	1657.9		481316
6	1	57.9	17			643607
7	1	62.4	17			140209
8	1	65.8	17			301679
9	1	65.2	17			462725
10	2	69.9	17	1098.1		622631
11	1	51.1	17			120396
12	2	68	17	1666		280748
13	2	75.1	17	1915.9		441602
14	2	72.7	17	1621.3		603080
15	1	66.1	17			100389
16	1	56.5	17			261836
17	2	81.5	17	1274.5		422282
18	1	52.9	17			584363

Radar Type5_Trial14 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5495.2615
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	3	92.1	8	1175.9	1733.9	131560
2	2	69.7	8	1417.3		395470
3	3	96.4	8	982.6	1089.6	659006
4	1	54	8			924900
5	3	84.6	8	1767.4	1422.4	99087
6	3	94.9	8	1135.1	963.1	362985
7	1	65	8			627953
8	2	69.6	8	1826.4		890348
9	2	80.7	8	1399.3		66792
10	2	81.1	8	1633.9		330486
11	1	63.9	8			595125

Radar Type5_Trial15 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5495.2615
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	55.3	8			945360
2	2	77	8	1226		37725
3	1	55.4	8			328478
4	2	70.7	8	1837.3		618339
5	1	64.6	8			909722
6	1	62.8	8			1957
7	3	92	8	1091	1238	291949
8	3	92	8	955	1288	582186
9	1	63.5	8			873648
10	1	57.2	8			1164349



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Radar Type5_Trial16 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5495.2615
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	3	85.5	8	1783.5	1260.5	232657
2	2	80.6	8	1891.4		496546
3	1	50.2	8			761670
4	2	82.8	8	1747.2		1024330
5	1	59.8	8			200883
6	1	62.2	8			465307
7	2	78.2	8	1827.8		728076
8	1	64.8	8			993322
9	3	85	8	1912	1693	167841
10	3	85.2	8	1058.8	1098.8	431693
11	2	76.3	8	1018.7		695983

Radar Type5_Trial17 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5495.2615
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	68.8	8	1148.2		959599
2	2	79.4	8	1671.6		135579
3	3	91.3	8	973.7	1114.7	399182
4	3	90	8	1382	1580	662490
5	2	82	8	1028		927538
6	2	69	8	1232		103137
7	1	52.7	8			367545
8	3	96.8	8	1017.2	1363.2	630466
9	1	56.2	8			895577
10	1	52.4	8			70715
11	2	77.3	8	1314.7		334616



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Radar Type5_Trial18 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5494.0615
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	81.4	5	1316.6		823412
2	1	51.8	5			1187763
3	1	59.8	5			52517
4	3	93	5	1272	1168	415355
5	3	95.8	5	1853.2	1210.2	777603
6	3	97.4	5	1313.6	976.6	1140910
7	1	60.4	5			7746
8	1	59.9	5			371165

Radar Type5_Trial19 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5499.6615
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	74.2	19	1562.8		308324
2	1	64.5	19			461769
3	2	67.9	19	1195.1		613704
4	3	95.8	19	1085.2	1215.2	136787
5	1	56.5	19			290268
6	3	89.2	19	1878.8	1335.8	440821
7	3	96.2	19	1080.8	1394.8	592790
8	2	71.2	19	1905.8		118147
9	2	74.7	19	1741.3		270611
10	2	82.7	19	1004.3		423464
11	3	86.9	19	1675.1	1694.1	573712
12	1	54.8	19			99596
13	3	95.7	19	1259.3	1098.3	251570
14	3	96	19	1695	1010	403470
15	3	87.7	19	1228.3	1749.3	554838
16	3	86.5	19	1077.5	1088.5	80483
17	3	97.7	19	1139.3	1162.3	232704
18	1	64.1	19			386274
19	2	80.7	19	1106.3		538029

Radar Type5_Trial20 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5495.2615
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	2	82.7	8	1163.3		117726
2	3	93.8	8	1141.2	1673.2	407513
3	3	89.2	8	1686.8	1262.8	697584
4	3	95.2	8	1515.8	1103.8	987663
5	1	57.2	8			82048
6	1	54.7	8			372777
7	1	58.2	8			663197
8	3	99.3	8	1070.7	1830.7	951581
9	3	98.4	8	1036.6	1794.6	46142
10	2	72.9	8	996.1		336710

Radar Type5_Trial21 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5561.5385
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	2	66.9	16	1266.1		368378
2	1	66.4	16			539901
3	2	80.9	16	1780.1		6118
4	1	54.3	16			177030
5	2	75.1	16	1454.9		346975
6	1	60.9	16			518525
7	1	61.7	16			689066
8	1	50.9	16			155962
9	3	83.6	16	1902.4	1653.4	325034
10	3	84.7	16	1440.3	1064.3	495705
11	1	50.7	16			668630
12	3	85.8	16	1530.2	1745.2	134292
13	3	97.9	16	1260.1	1202.1	304503
14	2	78	16	1115		476083
15	1	64	16			647315
16	2	69.4	16	1699.6		113583
17	3	97.6	16	1800.4	1350.4	283122

Radar Type5_Trial22 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5563.1385
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	2	81.6	12	1583.4		594681
2	3	85.4	12	1397.6	1649.6	816591
3	1	64.2	12			121398
4	2	73.3	12	1622.7		344109
5	3	95.4	12	1271.6	1201.6	566527
6	2	81.6	12	1592.4		790554
7	1	66.6	12			93865
8	2	77.8	12	1848.2		316766
9	1	66.1	12			540767
10	3	85	12	926	1471	762231
11	2	69.3	12	1580.7		66233
12	1	60.6	12			289728
13	3	91.1	12	1287.9	1605.9	511508

Radar Type5_Trial23 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5560.3385
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	98.4	19	1728.6	1372.6	501316
2	3	90	19	1141	1813	26405
3	3	97.8	19	1568.2	1468.2	178505
4	3	98.3	19	1440.7	925.7	330939
5	1	57.8	19			484965
6	1	66.2	19			7715
7	1	55.9	19			160419
8	1	50.5	19			313489
9	2	70.6	19	1050.4		465034
10	3	85	19	1124	1240	616074
11	2	75.9	19	1314.1		141460
12	3	85.6	19	936.4	1753.4	293399
13	1	64	19			447359
14	2	79.5	19	1644.5		598352
15	2	80	19	935		122676
16	3	96.9	19	1682.1	1761.1	274042
17	3	96	19	1122	1774	426397
18	1	61.2	19			581522
19	2	81.2	19	1693.8		103730



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Radar Type5_Trial24 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5565.9385
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	87.9	5	989.1	1183.1	609756
2	1	57.2	5			974149
3	2	76.7	5	1419.3		1336216
4	1	63.8	5			202718
5	3	84.2	5	1626.8	1319.8	564879
6	3	99.7	5	1645.3	1213.3	927718
7	2	71.5	5	1336.5		1292194
8	3	84.8	5	998.2	1544.2	157626

Radar Type5_Trial25 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5565.1385
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	64.3	7			416898
2	2	76.6	7	1782.4		706769
3	1	58.9	7			997961
4	2	75.9	7	1009.1		90443
5	3	92.4	7	1762.6	1392.6	380130
6	3	90.4	7	1438.6	1667.6	670308
7	3	92.6	7	1133.4	1616.4	960230
8	3	86.3	7	1264.7	1489.7	54580
9	1	60.7	7			345451
10	3	88.1	7	1005.9	1634.9	634781

Radar Type5_Trial26 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5560.3385
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	99.6	19	1120.4	1496.4	484885
2	2	70.1	19	1396.9		9921
3	3	97.9	19	1740.1	1536.1	161856
4	1	63.5	19			315467
5	3	97.1	19	1512.9	1516.9	466240
6	1	60.9	19			621634
7	1	50.4	19			144040
8	3	88.3	19	1427.7	1399.7	295226
9	3	87.8	19	1515.2	1157.2	447764
10	2	81.3	19	1721.7		600400
11	1	52.1	19			125156
12	3	86.7	19	1084.3	1870.3	276348
13	2	80.9	19	1843.1		429656
14	2	70.1	19	1000.9		582704
15	2	73.8	19	1326.2		106091
16	3	88.2	19	1001.8	1542.8	257828
17	2	72.8	19	1794.2		410979
18	3	83.8	19	1645.2	1298.2	562240
19	2	71.7	19	1203.3		87339

Radar Type5_Trial27 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5563.1385
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	2	76.2	12	1709.8		350662
2	1	63.6	12			574818
3	3	98.7	12	1369.3	1844.3	795775
4	3	86.3	12	1196.7	1352.7	100091
5	2	81.4	12	1475.6		323434
6	3	91.6	12	1598.4	1751.4	545063
7	2	73.9	12	1039.1		770218
8	1	61.6	12			72836
9	1	59	12			296280
10	3	83.6	12	1008.4	1736.4	518218
11	3	95.3	12	1562.7	1750.7	740814
12	2	71.5	12	1335.5		45276
13	3	93.2	12	1227.8	1140.8	268032

Radar Type5_Trial28 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5561.9385
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	69.2	15	1617.8		399108
2	1	58.8	15			581120
3	3	96.4	15	1807.6	1316.6	14387
4	3	91.1	15	1161.9	1810.9	195118
5	2	83.3	15	1012.7		377058
6	2	74.3	15	985.7		558143
7	1	60.1	15			740369
8	1	65.7	15			173675
9	1	63.4	15			355284
10	3	95.9	15	1508.1	1700.1	534216
11	1	61.8	15			717836
12	3	90.3	15	1861.7	955.7	150604
13	2	82.7	15	1710.3		331945
14	2	77.7	15	1573.3		513010
15	3	95.7	15	1454.3	1491.3	693212
16	3	88.8	15	1330.2	1685.2	128302

Radar Type5_Trial29 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5560.3385
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	52.1	19			248265
2	1	54.1	19			393111
3	2	67.5	19	1286.5		537140
4	1	58.7	19			85190
5	1	64.6	19			230209
6	3	84.6	19	1409.4	1088.4	373615
7	2	74.4	19	1589.6		518986
8	1	50.9	19			67331
9	3	83.8	19	937.2	945.2	211794
10	1	66.4	19			357507
11	2	71.9	19	1233.1		501477
12	2	73.1	19	1440.9		49300
13	3	99.4	19	1850.6	1786.6	193183
14	3	91.4	19	921.6	1322.6	338517
15	1	54.6	19			485127
16	3	92.5	19	1491.5	1015.5	31435
17	1	59.7	19			176622
18	1	59	19			321615
19	2	67.4	19	1266.6		466288
20	2	72.1	19	1320.9		13645

Radar Type5_Trial30 for 5530MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5563.1385
Number of Bursts in Trial:			14		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	73.8	12	1221.2		226744
2	2	82.7	12	1202.3		433856
3	1	54.9	12			641897
4	3	98.5	12	1167.5	1632.5	846621
5	2	73.6	12	1488.4		201213
6	1	55.9	12			408826
7	1	62.8	12			616425
8	2	67.8	12	1301.2		822715
9	3	86.8	12	1200.2	1129.2	175509
10	3	96.1	12	1377.9	1576.9	382055
11	3	98.8	12	1148.2	1279.2	589194
12	1	63.9	12			798438
13	2	78.2	12	1482.8		150177
14	2	72.8	12	1020.2		357348

Frequency Hopping Radar Test Waveforms

Radar Type6 for 5530MHz

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)	(Yes/No)
1	1	333	9	0.333	300	No
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 Type1 for 5570MHz

Data Sheet for FCC Radar Type 1						
Trial	VSG Frequency (MHz)	Pulse Repetition Frequency Number (1 to 23)	Pulse Repetition Frequency	PRI	Test A/B	Successful Detection
			(Pulses Per Second)	(msec)	A/B	(Yes/No)
1	5570	14	1285.3	778	A	Yes
2	5570	21	1089.3	918	A	Yes
3	5570	7	1567.4	638	A	Yes
4	5570	10	1432.7	698	A	Yes
5	5570	12	1355	738	A	Yes
6	5570	23	326.2	3066	A	Yes
7	5570	18	1165.5	858	A	Yes
8	5570	6	1618.1	618	A	Yes
9	5570	5	1672.2	598	A	Yes
10	5570	3	1792.1	558	A	Yes
11	5570	2	1858.7	538	A	Yes
12	5570	20	1113.6	898	A	Yes
13	5570	15	1253.1	798	A	Yes
14	5570	19	1139	878	A	Yes
15	5570	17	1193.3	838	A	Yes
16	5570	-	1022.5	978	B	Yes
17	5570	-	725.2	1379	B	No
18	5570	-	1531.4	653	B	Yes
19	5570	-	1919.4	521	B	Yes
20	5570	-	1231.5	812	B	Yes
21	5570	-	1001	999	B	Yes
22	5570	-	343.4	2912	B	Yes
23	5570	-	464.3	2154	B	Yes
24	5570	-	1117.3	895	B	Yes
25	5570	-	495.3	2019	B	Yes
26	5570	-	367.8	2719	B	Yes
27	5570	-	1600	625	B	Yes
28	5570	-	872.6	1146	B	Yes
29	5570	-	358.9	2786	B	Yes
30	5570	-	340.9	2933	B	Yes

Radar Type2 for 5570MHz

Data Sheet for FCC 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	23	1.1	186	Yes
2	5570	25	2.2	206	Yes
3	5570	26	2.8	187	Yes
4	5570	27	3.5	154	Yes
5	5570	23	1.1	162	Yes
6	5570	26	3.1	183	Yes
7	5570	25	2.2	230	Yes
8	5570	24	1.5	222	Yes
9	5570	23	1.4	228	Yes
10	5570	29	4.6	209	Yes
11	5570	23	1.5	161	Yes
12	5570	24	1.8	199	Yes
13	5570	28	4.3	208	Yes
14	5570	24	1.9	229	Yes
15	5570	24	1.8	225	Yes
16	5570	24	1.9	200	Yes
17	5570	24	1.9	202	Yes
18	5570	23	1	172	Yes
19	5570	29	4.7	216	Yes
20	5570	24	1.7	207	Yes
21	5570	28	3.9	158	Yes
22	5570	26	2.8	211	Yes
23	5570	29	4.7	166	Yes
24	5570	23	1	176	Yes
25	5570	24	1.6	181	Yes
26	5570	29	4.5	219	Yes
27	5570	26	2.8	150	Yes
28	5570	27	3.5	171	Yes
29	5570	29	4.7	165	Yes
30	5570	26	3	218	Yes

Radar Type3 for 5570MHz

Data Sheet for FCC 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	6.1	294	Yes
2	5570	16	7.2	259	Yes
3	5570	17	7.8	325	Yes
4	5570	17	8.5	312	Yes
5	5570	16	6.1	257	Yes
6	5570	17	8.1	383	Yes
7	5570	16	7.2	236	Yes
8	5570	16	6.5	266	Yes
9	5570	16	6.4	426	Yes
10	5570	18	9.6	278	Yes
11	5570	16	6.5	320	Yes
12	5570	16	6.8	277	Yes
13	5570	18	9.3	215	Yes
14	5570	16	6.9	310	Yes
15	5570	16	6.8	466	Yes
16	5570	16	6.9	388	Yes
17	5570	16	6.9	327	Yes
18	5570	16	6	481	Yes
19	5570	18	9.7	433	Yes
20	5570	16	6.7	380	Yes
21	5570	18	8.9	381	Yes
22	5570	17	7.8	431	Yes
23	5570	18	9.7	228	Yes
24	5570	16	6	334	Yes
25	5570	16	6.6	457	Yes
26	5570	18	9.5	432	Yes
27	5570	17	7.8	389	Yes
28	5570	17	8.5	498	Yes
29	5570	18	9.7	317	Yes
30	5570	17	8	488	Yes

Radar Type4 for 5570MHz

Data Sheet for FCC 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	11.3	294	Yes
2	5570	13	13.8	259	Yes
3	5570	14	15.1	325	Yes
4	5570	15	16.7	312	Yes
5	5570	12	11.2	257	No
6	5570	14	15.6	383	Yes
7	5570	13	13.7	236	Yes
8	5570	12	12.3	266	Yes
9	5570	12	12	426	Yes
10	5570	16	19.1	278	Yes
11	5570	12	12.1	320	Yes
12	5570	12	12.8	277	Yes
13	5570	16	18.3	215	Yes
14	5570	13	13.1	310	Yes
15	5570	13	12.8	466	Yes
16	5570	13	13.1	388	Yes
17	5570	13	13.1	327	Yes
18	5570	12	11	481	Yes
19	5570	16	19.3	433	Yes
20	5570	12	12.7	380	Yes
21	5570	15	17.5	381	Yes
22	5570	14	15.1	431	Yes
23	5570	16	19.3	228	Yes
24	5570	12	11	334	Yes
25	5570	12	12.4	457	Yes
26	5570	16	18.9	432	Yes
27	5570	14	15.1	389	Yes
28	5570	15	16.7	498	Yes
29	5570	16	19.4	317	Yes
30	5570	14	15.5	488	Yes

Long Pulse Radar Test Waveforms

Radar Type5_Trial1 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:			1		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	2	72.3	12	1919.7		633989
2	2	71	12	1284		857175
3	2	82.6	12	1167.4		160410
4	3	92.2	12	1590.8	1056.8	383190
5	2	72	12	1752		606185
6	3	96.2	12	1164.8	1391.8	828294
7	1	63.7	12			133177
8	2	76.6	12	1440.4		356084
9	1	63.4	12			580176
10	1	59.9	12			803745
11	3	87	12	1403	966	105342
12	3	85.9	12	1718.1	1387.1	327805
13	1	60	12			552396

Radar Type5_Trial2 for 5570MHz

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	2	72.5	11	1096.5		775334
2	3	86.4	11	1620.6	1549.6	77810
3	1	58.6	11			301742
4	2	73.5	11	1808.5		524085
5	2	78.3	11	1791.7		747188
6	2	73.7	11	1896.3		50426
7	3	95.5	11	1430.5	1798.5	273165
8	1	59.2	11			497650
9	3	97.9	11	1050.1	1054.1	719161
10	1	61.7	11			23004
11	3	93.6	11	1566.4	1859.4	245451
12	3	89.8	11	1556.2	1471.2	468489
13	2	81.3	11	925.7		692640

Radar Type5_Trial3 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		3		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	1	62.8	15			744378
2	3	90.6	15	1410.4	1044.4	177140
3	1	56.1	15			359348
4	1	50.5	15			540875
5	1	56.5	15			722332
6	1	56.4	15			155517
7	3	99.2	15	1317.8	1407.8	335528
8	2	81.9	15	1552.1		517553
9	1	51.2	15			700474
10	3	88.6	15	1027.4	1713.4	132538
11	3	92.2	15	1114.8	1687.8	313461
12	2	79.9	15	1625.1		495322
13	3	87.7	15	1564.3	1908.3	674687
14	2	80.9	15	1390.1		110582
15	2	69.5	15	1244.5		291872
16	1	55.1	15			473788

Radar Type5_Trial4 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		4		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	2	70.9	18	1887.1		580379
2	1	56.2	18			78554
3	1	54.3	18			240022
4	3	86.2	18	1797.8	1748.8	398803
5	2	70.2	18	1492.8		561066
6	3	92.2	18	1066.8	1640.8	58439
7	1	66.6	18			219874
8	1	66.6	18			381337
9	3	84.3	18	1487.7	1758.7	540267
10	3	97.3	18	1748.7	1727.7	38606
11	2	73.5	18	1525.5		199529
12	2	81.7	18	984.3		360713
13	2	71.7	18	1496.3		521829
14	2	74.4	18	1304.6		18936
15	1	59.2	18			180285
16	3	89.1	18	1252.9	1068.9	340467
17	1	52.4	18			502738
18	3	90.8	18	1550.2	1105.2	661692

Radar Type5_Trial5 for 5570MHz

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	3	83.4	12	1885.6	1109.6	221541
2	2	73.2	12	1396.8		444910
3	2	70.5	12	934.5		668293
4	1	62.8	12			892576
5	1	53.3	12			194634
6	2	80.5	12	1802.5		417449
7	3	86.7	12	1671.3	1754.3	639480
8	2	78.2	12	1197.8		863627
9	2	71.2	12	1282.8		167030
10	3	97.9	12	1422.1	1692.1	389320
11	1	66.5	12			614257
12	3	93.6	12	1684.4	1648.4	834073
13	3	90.6	12	1680.4	1842.4	139037

Radar Type5_Trial6 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		6		VSG Frequency(MHz):		5570
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	3	92.9	19	1716.1	1037.1	234644
2	2	75.9	19	1647.1		379857
3	1	54.1	19			525830
4	2	77	19	1581		72591
5	1	55.5	19			217989
6	3	89.3	19	1375.7	1395.7	361545
7	1	53.5	19			508568
8	1	61	19			54932
9	2	70.7	19	1248.3		199796
10	2	73.9	19	1862.1		343935
11	3	89.5	19	1364.5	1359.5	487966
12	1	66.3	19			37060
13	1	59.3	19			182361
14	2	83	19	1709		326652
15	2	67.5	19	1700.5		471115
16	1	60.2	19			19193
17	2	76.9	19	1124.1		164078
18	2	79.4	19	1905.6		308443
19	1	53	19			454767
20	2	77.5	19	1048.5		1298

Radar Type5_Trial7 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		7		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	3	96.9	9	1554.1	1665.1	265699
2	3	97.6	9	1091.4	1571.4	529492
3	3	96.4	9	1870.6	1176.6	792384
4	3	84.6	9	1226.4	1591.4	1056644
5	1	58.1	9			234083
6	1	52.8	9			498456
7	2	73.9	9	1534.1		761476
8	3	99.5	9	1467.5	1330.5	1023492
9	3	92.1	9	1488.9	1775.9	200899
10	2	70.9	9	1411.1		464965
11	2	68.8	9	1555.2		728616

Radar Type5_Trial8 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		8		VSG Frequency(MHz):		5570
Number of Bursts in Trial:			14		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	50.1	13			780853
2	3	90.8	13	1859.2	1164.2	132261
3	1	56.6	13			340243
4	2	80.7	13	1065.3		547151
5	1	55.8	13			755123
6	2	67.5	13	1112.5		107008
7	3	97.5	13	1421.5	1612.5	313312
8	1	53.6	13			522332
9	3	99.8	13	1829.2	1085.2	726686
10	3	98.9	13	968.1	1803.1	81286
11	2	79.7	13	1252.3		288790
12	1	62.7	13			496547
13	3	99.3	13	1340.7	1311.7	702118
14	2	81	13	1823		55898

Radar Type5_Trial9 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		9		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	3	96.6	9	1756.4	1631.4	334294
2	3	94.1	9	1104.9	1068.9	598389
3	3	97.6	9	1189.4	1310.4	861987
4	2	69.2	9	1442.8		38719
5	2	68	9	1114		302531
6	3	94.4	9	1248.6	1401.6	565619
7	2	68.4	9	1849.6		830031
8	1	63.4	9			6221
9	1	66.1	9			270560
10	3	93.8	9	1685.2	1001.2	533164
11	3	95.3	9	1113.7	1652.7	796819

Radar Type5_Trial10 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		10		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	2	79.5	8	1765.5		1167623
2	2	69.5	8	1051.5		261574
3	2	68.8	8	1649.2		551633
4	1	52.6	8			843399
5	1	65.3	8			1133648
6	1	54.1	8			225836
7	2	69	8	1845		515599
8	3	99.8	8	1641.2	1213.2	804943
9	1	55.1	8			1097587
10	3	89.4	8	1231.6	1549.6	189654

Radar Type5_Trial11 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		11		VSG Frequency(MHz):		5499.445
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	2	75.5	16	1604.5		282020
2	1	52.6	16			453285
3	1	52.2	16			623805
4	1	61.7	16			90628
5	3	92.7	16	985.3	1822.3	260444
6	2	79.4	16	1796.6		430942
7	2	75.7	16	1551.3		601939
8	1	53.3	16			69611
9	2	78.6	16	1022.4		240021
10	2	67.1	16	1371.9		410761
11	3	84.9	16	953.1	950.1	580464
12	3	97.2	16	939.8	1608.8	48393
13	1	53.5	16			219525
14	1	61.5	16			390321
15	1	58.8	16			560905
16	2	76.4	16	1016.6		27521
17	2	80.3	16	1607.7		198002

Radar Type5_Trial12 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		12		VSG Frequency(MHz):		5499.445
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	2	74	16	1726		368412
2	2	76.6	16	1505.4		538822
3	1	50.3	16			6512
4	3	86.8	16	1912.2	1609.2	176412
5	2	74.6	16	1006.4		347731
6	1	62.9	16			518663
7	3	85.5	16	1155.5	1335.5	687112
8	2	76.3	16	1871.7		155903
9	3	98	16	1374	957	325767
10	2	78.6	16	1359.4		497253
11	1	51	16			669097
12	3	84.4	16	1650.6	1699.6	134601
13	3	94.8	16	1664.2	1891.2	304483
14	1	60.7	16			477015
15	1	63	16			647612
16	3	94.2	16	1831.8	1579.8	113609
17	3	91.7	16	993.3	1162.3	284137



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Radar Type5_Trial13 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		13		VSG Frequency(MHz):		5496.245
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	2	71	8	1301		774816
2	3	91.4	8	1789.6	1722.6	1063518
3	3	95.3	8	1269.7	1781.7	158113
4	1	57.5	8			449132
5	2	75.4	8	1055.6		739451
6	1	64.9	8			1030601
7	3	92.7	8	1663.3	1411.3	122426
8	1	60.1	8			413267
9	3	87.6	8	1697.4	1109.4	702434
10	2	76.6	8	1894.4		993281

Radar Type5_Trial14 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		14		VSG Frequency(MHz):		5497.845
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	60.3	12			66841
2	2	82.4	12	1538.6		289912
3	1	65.9	12			513877
4	1	57.2	12			737078
5	3	93.8	12	1499.2	1071.2	39173
6	3	89	12	1841	1694	261644
7	2	73.8	12	1318.2		485509
8	3	95.1	12	1419.9	1338.9	707796
9	2	73.1	12	1552.9		11755
10	1	54.7	12			235203
11	1	52.6	12			458832
12	1	50.9	12			681965
13	3	89.8	12	1385.2	1604.2	903035

Radar Type5_Trial15 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		15		VSG Frequency(MHz):		5499.445
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	2	66.7	16	1072.3		158453
2	3	85.5	16	1580.5	1087.5	328116
3	3	94.7	16	1320.3	1735.3	498158
4	1	50.7	16			671317
5	2	74.7	16	1067.3		137581
6	2	68.9	16	1738.1		307816
7	3	83.8	16	1187.2	1019.2	477528
8	1	56.4	16			650321
9	2	71.9	16	1412.1		116481
10	1	52.9	16			287688
11	1	61.9	16			458587
12	3	90.6	16	1124.4	1373.4	627035
13	2	67.4	16	1718.6		95477
14	2	81.1	16	1234.9		266059
15	2	72.8	16	976.2		436639
16	3	98.7	16	1265.3	1454.3	605626
17	1	61.6	16			74606

Radar Type5_Trial16 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		16		VSG Frequency(MHz):		5495.845
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	57.6	7			417518
2	2	76.7	7	1250.3		707474
3	3	87.1	7	1425.9	955.9	996494
4	3	86.4	7	1767.6	1538.6	90903
5	2	75.1	7	947.9		381548
6	3	93.9	7	1063.1	1769.1	671028
7	2	82	7	1123		961860
8	2	71.4	7	1004.6		55294
9	1	57.2	7			345947
10	3	95.5	7	1770.5	1693.5	634545

Radar Type5_Trial17 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		17		VSG Frequency(MHz):		5497.845
Number of Bursts in Trial:			14		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	71	12	1108		661382
2	1	65.7	12			13965
3	3	89.9	12	1479.1	1667.1	220722
4	3	89.5	12	1621.5	1502.5	427223
5	3	89	12	968	1438	634337
6	2	70.1	12	1133.9		842784
7	1	51.6	12			195830
8	2	78.5	12	1660.5		402851
9	2	72	12	1615		609821
10	2	80.7	12	1417.3		817058
11	1	64.2	12			170283
12	2	68	12	980		377289
13	3	91.2	12	1341.8	1360.8	583376
14	1	53.8	12			793377

Radar Type5_Trial18 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		18		VSG Frequency(MHz):		5498.645
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	70.1	14	1830.9		134746
2	3	88.4	14	1241.6	1763.6	327369
3	2	79.5	14	1472.5		521567
4	1	54	14			715792
5	2	66.7	14	1720.3		110978
6	2	76.4	14	1336.6		304431
7	1	57.9	14			498888
8	1	51	14			692584
9	3	96.4	14	1058.6	1611.6	87102
10	1	61.4	14			281119
11	3	97.1	14	1305.9	1518.9	472658
12	2	76	14	964		667877
13	1	63.8	14			63601
14	1	53.3	14			257343
15	3	91.7	14	1556.3	1886.3	448773

Radar Type5_Trial19 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		19		VSG Frequency(MHz):		5497.845
Number of Bursts in Trial:			14		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	91.6	12	919.4	1314.4	688937
2	1	62.6	12			42551
3	2	79.4	12	1463.6		249507
4	2	67.4	12	1794.6		456427
5	2	73.5	12	1070.5		664491
6	1	62.8	12			16995
7	3	90.8	12	978.2	1903.2	223588
8	2	82	12	1608		431408
9	1	63.5	12			639295
10	2	73	12	1482		845217
11	2	70.4	12	1020.6		198681
12	1	65.8	12			406604
13	1	52.5	12			613817
14	1	50.7	12			821275

Radar Type5_Trial20 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		20		VSG Frequency(MHz):		5500.645
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	68	19	1135		127419
2	3	97.5	19	1517.5	1674.5	278973
3	3	89.7	19	964.3	1910.3	431089
4	3	85.5	19	1008.5	1328.5	583883
5	2	83.3	19	1059.7		108597
6	1	66.2	19			261665
7	3	86.8	19	1127.2	1375.2	412775
8	1	64.3	19			567325
9	2	78	19	1030		89843
10	1	54.6	19			242974
11	2	80.9	19	1282.1		395087
12	3	87.5	19	1230.5	1271.5	546340
13	2	69.9	19	1925.1		71004
14	2	69.3	19	1039.7		223597
15	2	78.5	19	1686.5		375497
16	3	92.5	19	1858.5	1537.5	526972
17	1	62.9	19			52412
18	1	56.2	19			205049
19	3	98.4	19	1029.6	1590.6	356274

Radar Type5_Trial21 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		21		VSG Frequency(MHz):		5644.155
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	3	86.9	7	1752.1	1606.1	968912
2	2	80.5	7	1393.5		63756
3	2	68	7	1238		354080
4	3	84.8	7	1689.2	1594.2	643590
5	1	50.5	7			935962
6	2	67.7	7	1522.3		28006
7	3	91	7	1459	948	318087
8	2	79.4	7	1310.6		608569
9	1	56.3	7			900063
10	1	66	7			1191203

Radar Type5_Trial22 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		22		VSG Frequency(MHz):		5638.955
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	2	81	20	1355		140846
2	3	96.3	20	1698.7	1432.7	284722
3	1	60.5	20			431585
4	1	55.3	20			577147
5	1	50.2	20			123388
6	2	78.4	20	1228.6		268156
7	1	63.9	20			413868
8	1	57.3	20			558584
9	3	90.6	20	1606.4	1741.4	104855
10	2	80.6	20	1614.4		249841
11	3	87.1	20	1545.9	1016.9	394230
12	1	54.8	20			540706
13	2	77.2	20	1303.8		87417
14	3	84.7	20	1297.3	1644.3	231416
15	2	74.7	20	950.3		377397
16	3	86.6	20	1270.4	1271.4	520917
17	3	86	20	1493	1174	69387
18	3	92.9	20	1561.1	1137.1	213916
19	2	71.4	20	1151.6		359068
20	1	53.5	20			504889



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Radar Type5_Trial23 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		23		VSG Frequency(MHz):		5643.755
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	71.1	8	1053.9		94291
2	1	60	8			358688
3	1	64.2	8			622712
4	2	67.4	8	1705.6		885241
5	1	65.7	8			61869
6	2	70.3	8	1121.7		325873
7	3	100	8	908	1358	589097
8	1	62.6	8			854265
9	3	89.1	8	1634.9	1841.9	29227
10	2	67.7	8	1469.3		293095
11	3	92.3	8	1526.7	1428.7	556019

Radar Type5_Trial24 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		24		VSG Frequency(MHz):		5639.755
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	86.8	18	1473.2	1888.2	472953
2	2	80.4	18	1564.6		626128
3	3	98.4	18	1221.6	1722.6	150269
4	3	97	18	1135	1054	302758
5	1	58.3	18			456391
6	2	70.3	18	1147.7		607786
7	2	82.2	18	1197.8		131898
8	2	69.7	18	1028.3		284567
9	3	91	18	1149	1355	436234
10	1	64.5	18			590672
11	3	85.1	18	1275.9	1262.9	112796
12	2	72.4	18	1206.6		265630
13	2	75.6	18	1016.4		418142
14	1	61.2	18			571652
15	2	82	18	1516		94245
16	1	53.2	18			247334
17	3	83.4	18	1499.6	1432.6	398177
18	1	60	18			553143
19	1	64	18			75656

Radar Type5_Trial25 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		25		VSG Frequency(MHz):		5640.155
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	81.8	17	1359.2		240504
2	3	98.2	17	1000.8	1211.8	401323
3	1	58	17			564018
4	1	52.8	17			59990
5	3	94.9	17	1512.1	1847.1	220051
6	2	71	17	993		381855
7	2	82.1	17	1857.9		542343
8	3	93.2	17	1151.8	1307.8	39965
9	3	89.7	17	1296.3	1446.3	200615
10	2	80	17	939		362456
11	2	78.4	17	1149.6		523096
12	1	51.3	17			20262
13	2	68.2	17	1417.8		181077
14	2	72.9	17	1152.1		342470
15	3	88.4	17	1612.6	1808.6	501681
16	1	50.2	17			394
17	2	74.5	17	1370.5		161450
18	2	78.9	17	1688.1		322077

Radar Type5_Trial26 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		26		VSG Frequency(MHz):		5641.355
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	87.7	14	1731.3	1030.3	542560
2	1	66.4	14			727012
3	1	66.3	14			159542
4	1	53.8	14			341322
5	2	73.2	14	1531.8		521510
6	2	80.4	14	981.6		703503
7	3	89.1	14	1255.9	1552.9	136778
8	3	86	14	1357	1124	317572
9	3	87.7	14	1821.3	1547.3	497993
10	3	88.6	14	917.4	913.4	680316
11	1	56.2	14			114945
12	3	83.7	14	1480.3	1712.3	295185
13	2	67.1	14	1875.9		476770
14	1	66.6	14			659678
15	1	52.5	14			92529
16	2	75.1	14	1039.9		273715

Radar Type5_Trial27 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		27		VSG Frequency(MHz):		5643.355
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	3	86	9	1646	1665	660999
2	3	94.2	9	1715.8	1470.8	924768
3	2	78.8	9	1527.2		101945
4	2	77.6	9	1523.4		365837
5	1	53.4	9			630644
6	2	76	9	1400		893847
7	2	76.3	9	1084.7		69499
8	2	77.2	9	1139.8		333299
9	3	92.5	9	1891.5	1535.5	596255
10	3	89.7	9	1856.3	1488.3	859791
11	1	62.5	9			37058

Radar Type5_Trial28 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		28		VSG Frequency(MHz):		5640.155
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	63.2	17			183807
2	2	66.8	17	1782.2		344211
3	3	99.6	17	1236.4	1086.4	504665
4	3	87.3	17	959.7	1470.7	2738
5	1	60.9	17			164188
6	1	57.5	17			325405
7	2	74.4	17	1661.6		485597
8	3	95.7	17	1023.3	1448.3	645595
9	3	93.7	17	1313.3	934.3	143631
10	3	97.7	17	1870.3	1121.3	303956
11	2	77.9	17	1895.1		465349
12	2	74.9	17	1136.1		626936
13	2	77.6	17	1660.4		123965
14	1	63.7	17			285847
15	1	58.9	17			447114
16	3	83.4	17	968.6	1724.6	605912
17	3	93.6	17	1257.4	1870.4	103997
18	3	86.9	17	1594.1	976.1	264726



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Radar Type5_Trial29 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		29		VSG Frequency(MHz):		5644.555
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	56	6			854865
2	1	62.8	6			1178229
3	1	61.8	6			169314
4	3	98.8	6	1182.2	1653.2	491425
5	3	93.2	6	1283.8	1114.8	813609
6	3	87	6	1244	1228	1136487
7	3	94.3	6	1285.7	1043.7	129317
8	2	71.5	6	1267.5		452291
9	3	97	6	1032	1150	774259

Radar Type5_Trial30 for 5570MHz

Data Sheet for FCC Radar Type 5						
Trial Number:		30		VSG Frequency(MHz):		5644.955
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	75.4	5	1177.6		1234814
2	1	61.6	5			101017
3	3	90.1	5	1591.9	1458.9	463337
4	3	89.1	5	1480.9	1457.9	826184
5	1	61.3	5			1191110
6	3	83.5	5	1594.5	1454.5	56138
7	2	67.9	5	1714.1		419242
8	2	75.9	5	1035.1		782489

Frequency Hopping Radar Test Waveforms

Radar Type6 for 5570MHz

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)	(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