

Type 5 Radar Waveform_17						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	94	16	1969		315.131
2	1	63.3	16			588.94
3	1	77.6	16			491.1
4	2	61.9	16	1381		249.47
5	2	72.6	16	1335		934.06
6	2	91.1	16	1182		162.88
7	2	70.2	16	1406		29.46
8	2	50.4	16	1865		863.67
9	1	63.8	16			489
10	3	65.3	16	1045	1024	887.72
11	2	73.4	16	1110		693.5
12	3	93.5	16	1567	1300	284.5

Type 5 Radar Waveform_18						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	70.9	20	1015		578.337
2	2	56.3	20	1150		378.081
3	1	60.5	20			959.892
4	2	81.4	20	1416		789.323
5	1	66.6	20			429.344
6	2	66.5	20	1408		327.025
7	1	50.1	20			908.785
8	2	63.5	20	1283		1000.856
9	2	68.1	20	1355		291.297
10	2	99.3	20	1976		733.118
11	2	65.1	20	1600		478.009

Type 5 Radar Waveform_19						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	84	9	1836		337.649
2	2	85.4	9	1674		842.46
3	3	59.1	9	1273	1908	1164.67
4	3	62.9	9	1817	1095	664.21
5	3	90.7	9	1572	1097	1327.76
6	2	87.8	9	1971		826.15
7	2	69.4	9	1286		867.7
8	3	72.1	9	1622	1558	152.7

Type 5 Radar Waveform_20						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	74.1	14	1735		892.713
2	3	79.1	14	1975	1449	1294.147
3	3	93.2	14	1565	1058	132.873
4	2	57.3	14	1300		304.77
5	2	62.1	14	1135		997.307
6	3	61.3	14	1574	1840	1204.043
7	1	88	14			586.05
8	2	83.5	14	1455		859.567
9	1	94.1	14			1290.033

Type 5 Radar Waveform_21						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	81.8	9	1270		583.668
2	3	66.6	9	1811	1545	188.105
3	2	69.5	9	1280		702.76
4	2	90.2	9	1988		545.17
5	2	62	9	1165		279.35
6	3	91.9	9	1389	1061	96.82
7	1	52.9	9			437.5
8	2	97.9	9	1233		161.4
9	3	56.4	9	1406	1272	488.75
10	1	88.5	9			196.95
11	1	68.5	9			616.99
12	3	72.3	9	1608	1511	215.94
13	2	67.6	9	1259		666.91
14	1	95.3	9			648.3
15	1	54.6	9			490.9
16	1	91.6	9			184.9

Type 5 Radar Waveform_22						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	81.9	6	1434	1521	244.938
2	2	62	6	1310		390.13
3	1	77.6	6			697.15
4	1	93.7	6			994.9
5	2	58.5	6	1557		316.39
6	2	99.4	6	1637		84.15
7	2	85.6	6	1617		470.1
8	2	65	6	1476		348.49
9	2	83.5	6	1006		961
10	2	51.7	6	1948		600.4

Type 5 Radar Waveform_23						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	85	6	1067		263.691
2	2	83.8	6	1649		626.878
3	2	87	6	1527		488.165
4	3	70.7	6	1041	1360	593.633
5	2	64	6	1697		318.661
6	2	94.1	6	1916		136.018
7	2	63.3	6	1893		416.416
8	3	77.4	6	1925	1797	16.084
9	3	98.4	6	1544	1923	183.781
10	3	90	6	1946	1992	674.669
11	3	86.9	6	1691	1557	395.496
12	2	76.3	6	1068		54.964
13	3	57.3	6	1510	1026	356.932
14	2	89.9	6	1616		39.119
15	2	58.9	6	1406		372.747
16	3	66.1	6	1735	1831	207.965
17	2	53.2	6	1747		16.082

  

Type 5 Radar Waveform_24						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	50.4	6			86.483
2	3	70.9	6	1989	1357	438.26
3	1	50	6			699.79
4	1	60.4	6			643.07
5	1	79.3	6			314.01
6	2	68.7	6	1900		280.77
7	1	69.7	6			682.37
8	1	91.1	6			731.06
9	2	69.7	6	1000		510.85
10	2	96	6	1246		690.48
11	2	61.2	6	1088		603.11
12	3	62.1	6	1329	1829	644.08
13	3	98.7	6	1992	1723	43.1
14	3	54.5	6	1671	1913	399.9
15	3	52.1	6	1268	1063	268.3

  

Type 5 Radar Waveform_25						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	59.2	16	1905	1093	203.538
2	2	91.6	16	1112		433.003
3	1	86	16			428.597
4	3	66.4	16	1507	1735	597.06
5	2	63	16	1710		454.263
6	2	61.3	16	1995		390.267
7	2	95.8	16	1329		180.86
8	1	81.4	16			529.433
9	3	51.9	16	1881	1737	80.307
10	2	96.7	16	1539		527.03
11	2	90.5	16	1294		520.823
12	2	96.3	16	1232		538.237
13	3	64.1	16	1857	1192	142.04
14	3	67.5	16	1446	1502	259.143
15	3	64.1	16	1274	1387	229.187
16	1	97.9	16			583.7
17	3	94.1	16	1372	1311	121.833
18	2	88	16	1569		262.567

Type 5 Radar Waveform_26						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	56.2	17	1036	1538	468.054
2	1	70.3	17			144.847
3	1	69.8	17			754.774
4	2	71.7	17	1352		624.161
5	2	97.5	17	1779		219.859
6	2	50.9	17	1385		108.876
7	3	89.4	17	1221	1671	12.643
8	1	74.3	17			685.59
9	2	69	17	1687		17.837
10	2	86.6	17	1251		200.974
11	2	60.1	17	1600		762.251
12	1	63.1	17			259.519
13	2	56.5	17	1570		741.086
14	3	75	17	1851	1954	99.143

  

Type 5 Radar Waveform_27						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	94.2	5	1966	1516	443.389
2	2	83.7	5	1334		369.763
3	2	76.8	5	1055		63.646
4	2	53.8	5	1640		293.089
5	2	95.5	5	1767		307.532
6	3	57.8	5	1554	1448	315.575
7	1	60.9	5			492.708
8	1	68.3	5			868.812
9	3	84.1	5	1350	1459	219.465
10	3	89.3	5	1212	1393	425.168
11	2	89.5	5	1574		712.121
12	1	70.1	5			693.454
13	2	78.4	5	1071		685.377

  

Type 5 Radar Waveform_28						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	69	6	1968	1345	102.346
2	2	73.7	6	1509		970.84
3	3	59.5	6	1608	1568	258.18
4	1	59.3	6			875.88
5	2	96.6	6	1071		1036.1
6	2	78.3	6	1554		619.36
7	1	60	6			255.91
8	2	98.8	6	1035		34.85
9	3	77.8	6	1696	1632	1059.4
10	2	64.6	6	1842		72.3

Type 5 Radar Waveform_29						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	79.7	11	1013		375.752
2	1	79.6	11			529.24
3	3	61.8	11	1466	1384	659.43
4	3	73.1	11	1967	1889	523.29
5	2	73.4	11	1689		383.75
6	2	63.5	11	1045		709.94
7	1	55.2	11			513.59
8	1	86.3	11			430.03
9	3	66.4	11	1426	1335	539.07
10	2	95.8	11	1873		407.05
11	3	57.8	11	1634	1523	666.97
12	2	60.3	11	1539		742.14
13	3	65	11	1849	1422	707
14	2	86	11	1171		631.8
15	2	87	11	1721		686.9

  

Type 5 Radar Waveform_30						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	78.7	5	1615		204.487
2	1	80.1	5			309.747
3	2	72.7	5	1630		177.662
4	2	76.5	5	1798		462.573
5	2	89.9	5	1483		346.134
6	1	93.5	5			449.685
7	2	82.4	5	1754		467.956
8	1	62.4	5			616.567
9	2	70.8	5	1214		77.258
10	1	81.8	5			383.389
11	2	73.6	5	1905		599.251
12	3	58.7	5	1019	1468	563.302
13	1	63	5			200.883
14	2	61.2	5	1671		382.514
15	1	55.2	5			596.655
16	2	74.3	5	1460		29.926
17	2	75.7	5	1632		449.037
18	2	56.9	5	1241		424.858
19	1	58.8	5			450.979

## Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5257.4	1	16	5281.3	1
2	5320.2	1	17	5323.5	1
3	5251.6	1	18	5250.0	1
4	5318.3	1	19	5300.2	1
5	5263.5	1	20	5278.5	1
6	5329.0	1	21	5306.3	1
7	5266.7	1	22	5290.0	1
8	5275.4	1	23	5269.3	1
9	5254.5	1	24	5328.7	1
10	5296.8	1	25	5297.4	1
11	5315.7	1	26	5293.5	1
12	5272.4	1	27	5327.4	1
13	5312.4	1	28	5284.6	1
14	5260.1	1	29	5303.4	1
15	5309.4	1	30	5287.2	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5.265	12	18	5.276	54
9	5.305	27	20	5.269	60
11	5.279	33	26	5.253	78
21	5.317	63	32	5.259	96
24	5.253	72	34	5.286	102
25	5.258	75	37	5.323	111
27	5.303	81	40	5.289	120
31	5.256	93	42	5.28	126
38	5.29	114	65	5.283	195
40	5.301	120	68	5.301	204
41	5.293	123	70	5.266	210
47	5.261	141	71	5.291	213
53	5.313	159	72	5.314	216
54	5.283	162	73	5.32	219
61	5.328	183	77	5.258	231
69	5.266	207	96	5.255	288
74	5.275	222	98	5.285	294
79	5.322	237	--	--	--
85	5.296	255	--	--	--
86	5.287	258	--	--	--
92	5.312	276	--	--	--
98	5.271	294	--	--	--
100	5.308	300	--	--	--

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.288	3	4	5.305	12
9	5.294	27	12	5.32	36
18	5.287	54	17	5.328	51
22	5.269	66	33	5.288	99
30	5.262	90	42	5.302	126
32	5.322	96	52	5.266	156
37	5.327	111	63	5.254	189
38	5.281	114	64	5.293	192

40	5.317	120	65	5.268	195
42	5.253	126	66	5.264	198
44	5.258	132	68	5.296	204
45	5.295	135	74	5.271	222
49	5.32	147	76	5.317	228
63	5.314	189	83	5.321	249
65	5.26	195	86	5.252	258
67	5.268	201	91	5.314	273
68	5.326	204	97	5.327	291
76	5.316	228	--	--	--
82	5.306	246	--	--	--
84	5.303	252	--	--	--
88	5.275	264	--	--	--
89	5.319	267	--	--	--
99	5.315	297	--	--	--
100	5.255	300	--	--	--

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.304	6	8	5.305	24
3	5.253	9	15	5.304	45
16	5.326	48	24	5.266	72
36	5.297	108	28	5.253	84
43	5.299	129	34	5.29	102
45	5.282	135	35	5.256	105
50	5.271	150	44	5.293	132
66	5.276	198	45	5.269	135
69	5.33	207	51	5.295	153
71	5.278	213	56	5.315	168
81	5.256	243	57	5.301	171
--	--	--	58	5.262	174
--	--	--	71	5.321	213
--	--	--	74	5.275	222
--	--	--	75	5.319	225
--	--	--	79	5.3	237
--	--	--	86	5.257	258



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--	--	--	89	5.264	267
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Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.281	6	2	5.259	6
7	5.296	21	3	5.316	9
8	5.321	24	6	5.252	18
10	5.301	30	10	5.291	30
31	5.277	93	12	5.32	36
35	5.324	105	13	5.28	39
42	5.27	126	19	5.261	57
43	5.311	129	28	5.312	84
47	5.289	141	32	5.265	96
48	5.304	144	33	5.33	99
49	5.323	147	51	5.282	153
51	5.268	153	56	5.275	168
56	5.263	168	66	5.256	198
66	5.284	198	68	5.269	204
72	5.325	216	70	5.258	210
85	5.33	255	72	5.279	216
87	5.291	261	76	5.263	228
96	5.267	288	80	5.271	240
100	5.264	300	--	--	--

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.262	6	12	5.27	36
11	5.264	33	13	5.323	39
12	5.274	36	16	5.256	48
17	5.318	51	22	5.285	66
19	5.276	57	24	5.274	72
21	5.268	63	27	5.328	81
29	5.298	87	33	5.277	99
40	5.282	120	43	5.286	129
44	5.285	132	46	5.31	138
48	5.29	144	48	5.313	144
55	5.296	165	58	5.284	174
58	5.307	174	61	5.252	183

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62	5.313	186	62	5.311	186
78	5.259	234	76	5.294	228
85	5.284	255	78	5.33	234
96	5.33	288	80	5.251	240
--	--	--	87	5.312	261
--	--	--	93	5.267	279
--	--	--	99	5.318	297

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Frequency (MHz)	Hopping Number	Pulse Start (ms)
2	5.279	6	1	5.253	3
15	5.324	45	2	5.275	6
17	5.307	51	3	5.274	9
19	5.312	57	4	5.3	12
21	5.314	63	13	5.316	39
34	5.25	102	35	5.28	105
55	5.292	165	43	5.256	129
59	5.328	177	44	5.27	132
61	5.266	183	46	5.32	138
66	5.264	198	51	5.281	153
69	5.265	207	54	5.29	162
78	5.311	234	56	5.317	168
79	5.316	237	57	5.295	171
81	5.271	243	71	5.294	213
84	5.303	252	76	5.321	228
91	5.325	273	78	5.257	234
95	5.276	285	82	5.271	246
97	5.29	291	85	5.283	255
--	--	--	91	5.292	273
--	--	--	92	5.266	276

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.288	3	5	5.256	15
8	5.276	24	6	5.27	18
19	5.303	57	12	5.253	36
28	5.296	84	13	5.285	39
37	5.264	111	20	5.299	60
42	5.316	126	22	5.286	66
53	5.318	159	23	5.306	69
55	5.262	165	29	5.316	87
57	5.265	171	30	5.277	90
66	5.302	198	35	5.294	105
71	5.292	213	43	5.262	129

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90	5.291	270	53	5.274	159
--	--	--	63	5.271	189
--	--	--	66	5.295	198
--	--	--	67	5.329	201
--	--	--	70	5.321	210
--	--	--	85	5.3	255
--	--	--	90	5.323	270
--	--	--	95	5.252	285
--	--	--	99	5.322	297

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.298	6	9	5.273	27
3	5.26	9	16	5.316	48
5	5.259	15	18	5.28	54
11	5.299	33	27	5.3	81
12	5.252	36	37	5.26	111
19	5.309	57	38	5.323	114
28	5.307	84	76	5.269	228
29	5.281	87	78	5.317	234
35	5.3	105	81	5.322	243
40	5.323	120	84	5.282	252
48	5.33	144	86	5.301	258
52	5.318	156	87	5.303	261
81	5.305	243	97	5.302	291
95	5.316	285	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5.288	9	17	5.276	51
9	5.287	27	18	5.284	54
13	5.275	39	22	5.304	66
24	5.263	72	26	5.317	78
43	5.292	129	32	5.267	96
46	5.319	138	46	5.29	138
54	5.312	162	53	5.312	159
75	5.305	225	54	5.329	162
77	5.299	231	59	5.282	177
78	5.265	234	62	5.283	186
88	5.311	264	64	5.322	192
89	5.257	267	68	5.328	204
90	5.293	270	71	5.286	213
96	5.318	288	77	5.275	231
--	--	--	95	5.259	285

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5.312	9	1	5.283	3
8	5.265	24	9	5.298	27
13	5.314	39	18	5.321	54
20	5.259	60	31	5.327	93
23	5.308	69	32	5.251	96
25	5.294	75	43	5.266	129
27	5.276	81	44	5.307	132
36	5.28	108	47	5.273	141
42	5.261	126	49	5.264	147
46	5.287	138	51	5.315	153
51	5.284	153	54	5.318	162
53	5.282	159	56	5.258	168
65	5.315	195	58	5.319	174
68	5.264	204	66	5.306	198
69	5.273	207	69	5.267	207
71	5.269	213	80	5.323	240

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73	5.296	219	92	5.309	276
82	5.304	246	--	--	--
83	5.26	249	--	--	--
85	5.305	255	--	--	--
95	5.291	285	--	--	--
98	5.274	294	--	--	--



Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5.31	21	1	5.272	3
10	5.263	30	3	5.268	9
30	5.289	90	8	5.269	24
31	5.285	93	18	5.294	54
48	5.298	144	20	5.328	60
49	5.281	147	28	5.304	84
83	5.316	249	46	5.322	138
84	5.327	252	49	5.307	147
89	5.268	267	55	5.263	165
97	5.269	291	56	5.298	168
--	--	--	61	5.255	183
--	--	--	70	5.325	210
--	--	--	81	5.281	243
--	--	--	84	5.289	252

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.316	6	2	5.27	6
18	5.27	54	13	5.321	39
19	5.288	57	17	5.263	51
23	5.325	69	26	5.297	78
24	5.295	72	31	5.278	93
25	5.323	75	38	5.312	114
27	5.251	81	41	5.286	123
28	5.281	84	42	5.317	126
33	5.284	99	56	5.29	168
50	5.305	150	66	5.288	198
51	5.328	153	75	5.3	225
54	5.304	162	92	5.269	276
56	5.259	168	96	5.287	288
57	5.329	171	--	--	--
58	5.265	174	--	--	--
61	5.324	183	--	--	--
63	5.313	189	--	--	--
65	5.33	195	--	--	--
66	5.31	198	--	--	--
68	5.271	204	--	--	--
79	5.3	237	--	--	--
85	5.302	255	--	--	--
86	5.314	258	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5.304	21	1	5.286	3
15	5.28	45	10	5.297	30
18	5.306	54	38	5.302	114
22	5.26	66	44	5.256	132
29	5.259	87	47	5.304	141
38	5.305	114	50	5.303	150
46	5.317	138	60	5.294	180
52	5.263	156	61	5.292	183

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55	5.298	165	64	5.252	192
56	5.283	168	68	5.278	204
57	5.312	171	79	5.268	237
74	5.31	222	81	5.287	243
88	5.322	264	87	5.279	261
90	5.276	270	98	5.282	294
94	5.307	282	100	5.33	300

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.315	3	2	5.258	6
9	5.321	27	19	5.281	57
16	5.282	48	34	5.329	102
18	5.298	54	39	5.315	117
26	5.268	78	40	5.275	120
47	5.316	141	42	5.297	126
62	5.271	186	53	5.287	159
66	5.312	198	54	5.318	162
67	5.273	201	56	5.276	168
71	5.319	213	57	5.267	171
81	5.27	243	59	5.33	177
82	5.279	246	68	5.28	204
96	5.28	288	70	5.293	210
--	--	--	71	5.309	213
--	--	--	74	5.273	222
--	--	--	86	5.288	258
--	--	--	88	5.262	264
--	--	--	92	5.278	276
--	--	--	93	5.261	279
--	--	--	94	5.289	282
--	--	--	96	5.253	288

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
7	5.265	21	12	5.284	36
12	5.283	36	16	5.268	48
18	5.325	54	17	5.319	51
28	5.297	84	18	5.323	54
35	5.263	105	24	5.314	72
39	5.324	117	25	5.315	75
42	5.256	126	28	5.261	84
46	5.253	138	38	5.307	114
53	5.281	159	40	5.316	120
55	5.328	165	44	5.265	132
60	5.284	180	49	5.264	147
63	5.326	189	58	5.255	174
64	5.276	192	62	5.289	186
66	5.323	198	65	5.254	195
68	5.252	204	72	5.297	216
72	5.313	216	84	5.278	252
78	5.258	234	85	5.294	255
82	5.292	246	86	5.311	258
90	5.254	270	89	5.292	267
93	5.286	279	92	5.252	276
95	5.259	285	93	5.251	279
99	5.327	297	99	5.325	297



Product	ACCESS POINT	Temperature	27°C
Test Engineer	Amy Zhang	Relative Humidity	65%
Test Site	SR2	Test Date	2020/03/09
Test Item	Radar Statistical Performance Check (802.11ax-HE160 mode – 5570MHz)		

## Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5594.6	1	558	95	1
2	5497.5	1	538	98	1
3	5588.6	1	758	70	1
4	5509.5	1	858	62	1
5	5582.7	1	818	65	1
6	5527.9	1	738	72	1
7	5644.4	1	598	89	1
8	5491.0	1	778	68	1
9	5648.2	1	578	92	1
10	5557.4	1	798	67	1
11	5515.3	1	638	83	1
12	5649.0	1	698	76	1
13	5533.5	1	918	58	1
14	5642.6	1	618	86	1
15	5576.4	1	718	74	1
16	5503.3	1	1330	40	1
17	5618.3	1	2679	20	1
18	5570.0	1	1839	29	1
19	5545.7	1	829	64	1
20	5612.5	1	1606	33	1
21	5600.3	1	853	62	1
22	5624.8	1	2065	26	1
23	5539.7	1	555	95	1
24	5636.5	1	1331	40	1
25	5563.8	1	2903	19	1
26	5646.8	1	663	80	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5521.4	1	682	78	1
28	5630.4	1	2719	20	1
29	5606.7	1	2122	25	1
30	5551.3	1	2398	22	1
Detection Percentage (%)					100%

## Radar Type 2 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5508.3	1.1	180	28	1
2	5623.5	3.0	185	26	1
3	5611.3	1.1	203	28	1
4	5496.9	4.0	216	24	1
5	5599.2	4.4	203	26	1
6	5514.8	3.5	163	25	1
7	5593.2	1.4	213	28	1
8	5538.1	1.1	198	24	1
9	5491.0	4.5	200	27	1
10	5647.8	3.0	173	28	1
11	5570.0	3.2	171	26	1
12	5556.7	2.5	186	23	1
13	5645.2	2.5	210	26	1
14	5502.5	4.1	218	26	1
15	5575.8	2.4	207	25	1
16	5532.7	1.0	188	25	1
17	5617.8	4.7	171	29	1
18	5526.5	2.8	204	24	1
19	5629.4	4.3	225	27	1
20	5605.9	1.8	178	28	1
21	5641.3	4.3	171	24	1
22	5532.7	1.2	164	27	1
23	5550.3	3.8	186	29	1
24	5635.7	2.6	186	26	1
25	5520.6	2.8	174	23	1
26	5643.9	5.0	193	26	1
27	5544.6	1.8	158	25	1
28	5649.0	3.0	159	28	1
29	5581.3	4.8	158	27	1
30	5562.9	2.0	164	26	1
Detection Percentage (%)					100%



## Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5501.9	8.2	332	16	1
2	5543.4	8.3	386	17	1
3	5495.6	10.0	359	17	1
4	5537.3	6.4	369	17	1
5	5525.4	6.4	219	17	1
6	5648.4	6.4	474	16	1
7	5531.8	7.7	498	16	1
8	5507.3	6.2	308	18	1
9	5643.5	8.5	489	18	1
10	5549.5	9.8	296	17	1
11	5513.5	6.9	300	16	1
12	5645.2	8.2	447	17	1
13	5561.4	6.6	297	16	1
14	5555.5	6.8	344	16	1
15	5491.0	9.3	355	17	1
16	5649.0	8.3	487	18	1
17	5598.3	8.1	443	18	1
18	5592.8	7.8	250	17	1
19	5519.3	8.4	289	16	1
20	5640.9	8.9	424	17	1
21	5610.2	7.8	391	18	1
22	5570.0	8.4	389	17	1
23	5622.8	10.0	231	16	1
24	5604.6	7.3	229	16	1
25	5634.1	7.7	279	16	1
26	5574.7	6.9	491	16	1
27	5628.6	8.6	411	18	1
28	5580.3	7.0	390	17	1
29	5616.3	8.2	449	17	1
30	5586.2	10.0	385	16	1
Detection Percentage (%)					100%

## Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5500.2	14.0	250	13	1
2	5639.7	15.1	439	14	1
3	5506.8	18.2	252	16	1
4	5627.6	11.1	300	13	1
5	5524.2	18.5	377	16	1
6	5494.6	17.3	275	15	1
7	5633.8	19.6	378	15	1
8	5530.5	17.3	416	15	1
9	5646.8	17.9	228	15	1
10	5518.9	19.5	245	16	1
11	5649.0	11.7	342	12	1
12	5554.9	15.0	384	16	1
13	5542.9	18.1	213	16	1
14	5615.7	19.4	467	14	1
15	5491.0	13.0	448	13	1
16	5585.4	18.7	203	15	1
17	5560.2	19.4	476	16	1
18	5536.2	17.8	309	16	1
19	5591.4	17.7	201	15	1
20	5603.9	16.4	215	15	1
21	5548.3	18.9	257	15	1
22	5609.1	18.2	308	14	1
23	5579.1	17.1	267	15	1
24	5641.4	17.1	317	13	1
25	5570.0	17.2	476	14	1
26	5621.5	13.6	299	15	1
27	5512.3	14.0	356	12	1
28	5645.9	15.8	398	14	1
29	5597.6	18.5	414	16	1
30	5573.5	18.1	431	13	1
Detection Percentage (%)					100%

Note: In addition an average minimum percentage of successful detection across all four Short pulse radar test

waveforms is as follows: 
$$\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 100\% + 100\% + 100\%) / 4 = 100\% (>80\%)$$

## Radar Type 5 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5570.0	1	16	5493.0	1
2	5570.0	1	17	5498.6	1
3	5570.0	1	18	5495.4	1
4	5570.0	1	19	5494.6	1
5	5570.0	1	20	5494.2	1
6	5570.0	1	21	5643.0	1
7	5570.0	1	22	5644.2	1
8	5570.0	1	23	5644.6	1
9	5570.0	1	24	5642.6	1
10	5570.0	1	25	5645.0	1
11	5497.8	1	26	5645.8	0
12	5495.4	1	27	5641.4	1
13	5497.4	1	28	5641.8	1
14	5494.2	1	29	5645.0	1
15	5494.6	1	30	5642.2	1
Detection Percentage (%)					96.7%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	78.1	16	1465		117.964
2	2	93.4	16	1135		313.757
3	1	89.4	16			216.294
4	1	82.2	16			126.421
5	1	66.3	16			762.889
6	2	88	16	1066		761.016
7	1	58.7	16			231.713
8	2	57.6	16	1452		837.03
9	2	71.7	16	1903		57.007
10	1	80.1	16			36.454
11	1	94.2	16			783.941
12	2	95.6	16	1251		817.529
13	3	54.6	16	1931	1702	804.986
14	1	55.5	16			487.943

**Type 5 Radar Waveform\_2**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	88	19	1739	1640	586.124
2	2	92.8	19	1452		490.59
3	3	62.5	19	1616	1488	192.26
4	2	64.3	19	1574		144
5	2	82.2	19	1891		251.01
6	2	58.8	19	1501		574.38
7	2	92.7	19	1791		88.19
8	2	85.6	19	1350		2.72
9	2	99.9	19	1557		367.46
10	3	78.1	19	1626	1646	325.86
11	2	71	19	1783		98.14
12	2	66	19	1647		269.52
13	2	65.6	19	1444		583.09
14	2	74.8	19	1501		295.49
15	1	59.6	19			590.93
16	2	67.7	19	1327		92.58
17	2	70.9	19	1411		315.54
18	2	76.7	19	1649		204.1
19	2	60.7	19	1086		528
20	2	72.7	19	1132		199.3

**Type 5 Radar Waveform\_3**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	89	18	1847		484.79
2	3	64.4	18	1265	1280	572.243
3	2	97.8	18	1428		531.836
4	1	63.4	18			720.529
5	1	70.6	18			892.792
6	2	83.9	18	1113		508.955
7	1	78.7	18			325.948
8	2	63.7	18	1642		359.322
9	2	77.3	18	1547		609.805
10	2	50.4	18	1284		833.338
11	3	55.6	18	1590	1457	458.541
12	3	66.3	18	1855	1273	245.154
13	2	80	18	1072		371.277

**Type 5 Radar Waveform\_4**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	96.9	12			738.974
2	1	70.8	12			78.622
3	3	84.7	12	1757	1450	668.894
4	1	68.1	12			211.851
5	3	65.9	12	1768	1322	604.969
6	1	73.5	12			295.366
7	2	51.2	12	1046		564.703
8	1	72.4	12			180.3
9	1	63.8	12			188.337
10	2	68.4	12	1465		167.534
11	1	55.7	12			684.621
12	2	78.1	12	1120		425.909
13	1	64.7	12			112.186
14	2	81.9	12	1711		301.343

**Type 5 Radar Waveform\_5**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	89.3	12			509.77
2	2	73.5	12	1199		845.423
3	1	96.3	12			269.836
4	2	75.2	12	1406		562.509
5	2	78.5	12	1734		157.572
6	3	68	12	1464	1823	250.755
7	2	79.4	12	1807		794.758
8	3	51.4	12	1582	1096	306.552
9	3	61.5	12	1404	1260	297.535
10	3	53.5	12	1054	1596	629.408
11	2	62.4	12	1232		479.421
12	1	83.6	12			726.954
13	2	86.2	12	1822		701.477

**Type 5 Radar Waveform\_6**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	61.3	15	1466	1293	206.311
2	3	59.5	15	1541	1048	532.84
3	2	56.7	15	1257		221.5
4	2	59.4	15	1503		288.48
5	2	81.7	15	1467		720.07
6	3	76.8	15	1615	1577	636.22
7	2	72.2	15	1931		4.73
8	2	80.7	15	1834		205.82
9	2	98.7	15	1844		229.85
10	2	50.6	15	1790		607.83
11	2	69.4	15	1024		53.16
12	2	61.6	15	1706		279.22
13	2	84.9	15	1569		389.17
14	2	71.8	15	1622		45.68
15	2	90	15	1041		449.3
16	1	98	15			532.4

**Type 5 Radar Waveform\_7**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	50.6	20	1690		360.083
2	3	99	20	1711	1948	559.408
3	1	64.3	20			254.875
4	2	80.8	20	1672		528.913
5	3	62.8	20	1462	1365	199.151
6	2	95.7	20	1237		678.858
7	2	64.1	20	1976		80.596
8	1	89.1	20			207.914
9	3	87	20	1299	1656	165.971
10	2	81.7	20	1421		88.979
11	2	72.8	20	1398		656.676
12	2	92.2	20	1242		292.844
13	2	71.3	20	1495		22.652
14	1	53	20			22.759
15	3	52.7	20	1829	1158	346.447
16	1	85.2	20			59.365
17	2	98.7	20	1765		170.182

**Type 5 Radar Waveform\_8**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	57.9	19			695.951
2	2	62.9	19	1143		639.657
3	3	51.6	19	1393	1261	701.644
4	1	55.9	19			527.391
5	2	58.5	19	1767		702.909
6	2	65.2	19	1025		151.826
7	1	53.5	19			172.873
8	2	70.7	19	1239		248.38
9	3	68.1	19	1606	1309	371.387
10	3	81.2	19	1715	1870	601.664
11	1	81	19			685.051
12	1	78	19			681.429
13	2	76.5	19	1044		322.786
14	2	96.8	19	1919		598.843

**Type 5 Radar Waveform\_9**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	98.5	19	1462		234.927
2	2	76	19	1967		649.4
3	2	96.7	19	1291		244.83
4	1	64.2	19			491.95
5	2	60	19	1115		609.63
6	2	82.9	19	1108		197.64
7	3	80.6	19	1301	1346	61.24
8	2	88.4	19	1370		495.33
9	1	78.1	19			24.53
10	2	51.7	19	1670		374.14
11	1	81.9	19			487.52
12	1	94	19			335.54
13	3	86.6	19	1789	1400	419.3
14	1	79.9	19			634.1
15	2	72	19	1369		606.9

**Type 5 Radar Waveform\_10**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	53.4	12			55.344
2	2	66.8	12	1478		45.141
3	1	84.8	12			86.772
4	2	77.9	12	1427		10.253
5	2	64.5	12	1384		165.924
6	1	86.9	12			490.295
7	2	80.1	12	1333		507.086
8	2	93.1	12	1109		531.497
9	2	99	12	1350		309.388
10	2	79.6	12	1134		285.019
11	3	97.8	12	1023	1104	394.461
12	3	74.4	12	1706	1927	145.372
13	3	53.6	12	1333	1324	595.773
14	1	93.9	12			305.744
15	3	91.3	12	1475	1455	217.865
16	2	77.1	12	1877		107.966
17	3	61.3	12	1705	1866	450.037
18	2	76.3	12	1092		560.658
19	1	89.6	12			77.479



**Type 5 Radar Waveform\_11**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	83.2	17	1465	1847	397.472
2	1	76.3	17			518.321
3	1	79.8	17			60.582
4	2	62.9	17	1472		583.843
5	2	68.4	17	1955		27.484
6	3	60.3	17	1227	1844	391.155
7	3	72.7	17	1024	1494	136.036
8	2	56.7	17	1471		128.877
9	2	53.2	17	1114		224.318
10	2	70.6	17	1574		609.499
11	1	54.6	17			567.551
12	2	74.4	17	1170		63.372
13	1	70	17			408.783
14	2	83.1	17	1979		140.064
15	2	58.6	17	1724		126.065
16	1	85.3	17			370.166
17	2	68.9	17	1933		541.137
18	2	76	17	1225		439.958
19	3	93.2	17	1314	1803	445.779

**Type 5 Radar Waveform\_12**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	91.6	11			420.907
2	2	56.8	11	1488		713.997
3	2	88.5	11	1735		464.894
4	2	79.4	11	1432		278.441
5	2	68.1	11	1918		228.899
6	2	50.8	11	1222		806.116
7	2	90.1	11	1107		772.823
8	3	91.1	11	1379	1915	253.92
9	2	85.2	11	1048		780.527
10	2	54.3	11	1374		573.034
11	1	76.4	11			4.391
12	2	83	11	1672		375.689
13	1	93	11			382.986
14	3	97.9	11	1742	1501	574.743

**Type 5 Radar Waveform\_13**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	68	16	1678		257.075
2	3	74.9	16	1213	1812	211.93
3	2	78.4	16	1427		560.597
4	2	68	16	1779		467.75
5	3	53.1	16	1295	1435	150.943
6	2	57.4	16	1489		641.917
7	1	77.6	16			514.66
8	1	86.9	16			141.433
9	3	65.2	16	1422	1143	548.347
10	3	53.8	16	1413	1805	651.87
11	2	95.5	16	1764		206.503
12	1	84	16			493.897
13	1	63.7	16			267.77
14	2	66.4	16	1223		184.133
15	1	59.8	16			25.157
16	2	77.6	16	1394		582.8
17	2	50.8	16	1565		386.533
18	3	97.5	16	1293	1814	329.667

Type 5 Radar Waveform_14						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	73.2	8			466.751
2	2	96.8	8	1802		421.217
3	2	90.4	8	1638		202.214
4	3	92.7	8	1284	1032	253.141
5	3	52.3	8	1311	1577	265.929
6	2	62.7	8	1406		654.906
7	2	99.6	8	1689		806.413
8	1	63.3	8			341.11
9	1	68.9	8			355.877
10	2	57	8	1484		82.714
11	2	56.1	8	1931		390.111
12	3	75.4	8	1197	1163	673.429
13	2	71.7	8	1575		174.186
14	2	80.6	8	1297		522.143

Type 5 Radar Waveform_15						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	51.7	9	1783		539.711
2	2	58	9	1082		51
3	1	85.9	9			879.44
4	1	82.1	9			786.69
5	2	78.2	9	1415		873.52
6	2	83.4	9	1932		441.64
7	2	90.7	9	1349		734.76
8	2	99.3	9	1756		1105.64
9	2	76.6	9	1101		88.25
10	2	58.3	9	1963		627.3

Type 5 Radar Waveform_16						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	82.4	5	1075	1265	710.844
2	3	76.5	5	1248	1357	958.141
3	1	71	5			663.642
4	1	95.5	5			693.563
5	2	69.4	5	1659		167.504
6	1	73.3	5			37.085
7	3	99.2	5	1539	1839	784.165
8	3	77.6	5	1400	1413	784.196
9	2	71.7	5	1857		1024.527
10	1	74.6	5			97.338
11	1	50	5			474.409



**Type 5 Radar Waveform\_17**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	79.7	19	1175	1253	178.82
2	2	85	19	1816		180.899
3	2	99.2	19	1320		336.395
4	2	90.6	19	1905		139.493
5	3	95.4	19	1715	1372	668.931
6	1	52	19			622.718
7	2	97.9	19	1156		502.446
8	2	76.7	19	1458		433.834
9	3	75.6	19	1214	1643	136.841
10	3	77.5	19	1857	1771	474.279
11	1	67.7	19			353.226
12	2	72.9	19	1759		280.454
13	2	73.5	19	1125		445.142
14	2	84.1	19	1008		319.389
15	2	54.8	19	1661		65.557
16	3	76.1	19	1215	1314	93.665
17	3	50.2	19	1817	1212	283.282

**Type 5 Radar Waveform\_18**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	75.4	11			579.789
2	3	70.2	11	1431	1966	357.36
3	1	50.7	11			17.68
4	2	82.5	11	1848		391.09
5	1	88.4	11			154.03
6	2	73	11	1545		197.05
7	3	73.9	11	1645	1658	132.63
8	2	75.2	11	1766		381.63
9	2	73.6	11	1347		155.12
10	2	57.2	11	1218		304.86
11	2	59.3	11	1588		224.18
12	3	62.1	11	1047	1482	410.37
13	2	97.3	11	1716		394.25
14	3	79.8	11	1397	1302	313.7
15	1	50.1	11			140.3

**Type 5 Radar Waveform\_19**

Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	71.9	9			641.821
2	2	53.4	9	1553		244.291
3	2	79.6	9	1591		287.34
4	1	74.8	9			24.23
5	1	88	9			285.53
6	2	68.1	9	1984		685.72
7	2	98.6	9	1921		416.55
8	1	85.8	9			649.44
9	2	58.6	9	1464		31.26
10	3	94.7	9	1375	1628	720.8
11	3	55	9	1133	1509	25.85
12	2	75.5	9	1938		483.04
13	1	59.8	9			270.7
14	1	57.4	9			69.24
15	2	51.2	9	1936		279.2
16	2	77	9	1182		215.1

Type 5 Radar Waveform_20						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	54	8	1047	1712	286.558
2	1	85.2	8			916.181
3	2	73.7	8	1467		947.352
4	2	79	8	1694		417.163
5	1	69.1	8			1069.854
6	3	78	8	1212	1908	632.745
7	2	79.8	8	1167		419.445
8	2	54.3	8	1847		308.966
9	1	62.3	8			61.687
10	2	68.3	8	1948		358.718
11	2	77.5	8	1481		177.209

Type 5 Radar Waveform_21						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	72	15			561.316
2	3	65.1	15	1981	1800	827.137
3	1	62.3	15			629.994
4	3	95.7	15	1148	1858	546.721
5	1	98.1	15			626.439
6	1	54.4	15			289.156
7	2	91.1	15	1795		573.323
8	2	96.5	15	1360		545.22
9	3	66	15	1788	1342	680.687
10	3	83.1	15	1564	1472	764.364
11	1	57.4	15			577.701
12	2	59.5	15	1096		673.329
13	3	53.4	15	1915	1378	568.886
14	1	75.1	15			80.043

Type 5 Radar Waveform_22						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	71.4	12			379.027
2	2	51.5	12	1336		557.231
3	3	81.4	12	1614	1591	592.952
4	1	86.1	12			12.533
5	3	85.8	12	1652	1073	332.734
6	2	99.1	12	1606		509.155
7	2	81.7	12	1956		259.096
8	2	63.9	12	1195		292.687
9	2	97.7	12	1629		276.178
10	2	69	12	1704		102.769
11	3	70.9	12	1112	1130	80.221
12	2	82.5	12	1491		436.642
13	2	98.2	12	1473		362.633
14	1	71.3	12			132.314
15	1	89	12			265.035
16	2	61.3	12	1340		87.966
17	2	51.2	12	1781		67.437
18	1	84.5	12			315.958
19	1	68.5	12			595.679

Type 5 Radar Waveform_23						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	61	11			492.892
2	2	63.9	11	1001		420.518
3	2	97.6	11	1306		140.305
4	3	60.4	11	1846	1915	206.433
5	1	84.1	11			489.531
6	1	80	11			165.548
7	2	65.1	11	1545		95.426
8	2	60.8	11	1416		367.924
9	2	65.8	11	1335		637.771
10	1	93.4	11			378.309
11	2	62.1	11	1424		342.906
12	3	59	11	1444	1076	408.084
13	3	84.3	11	1146	1770	274.832
14	2	92.9	11	1502		147.589
15	1	57.4	11			420.947
16	3	69	11	1318	1828	326.765
17	1	97.2	11			629.782

  

Type 5 Radar Waveform_24						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	1	57.2	16			407.221
2	3	69.8	16	1516	1571	195.54
3	1	83.8	16			382.95
4	2	92.1	16	1716		607.09
5	2	91.4	16	1486		457.75
6	1	77.8	16			1009.57
7	2	67.4	16	1138		657.67
8	1	80.7	16			456.5

  

Type 5 Radar Waveform_25						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	54.6	10	1716	1205	435.246
2	3	64.8	10	1187	1236	315.106
3	2	90.2	10	1634		111.002
4	2	58.3	10	1652		426.833
5	2	67.7	10	1152		403.034
6	2	73	10	1163		187.385
7	2	84.5	10	1333		134.816
8	2	85.7	10	1751		340.017
9	2	65.9	10	1529		586.998
10	2	75.4	10	1849		403.999
11	2	86.8	10	1594		415.821
12	1	66	10			292.122
13	3	74.2	10	1275	1836	555.643
14	2	92.2	10	1030		316.434
15	3	57.7	10	1427	1459	154.645
16	1	73.6	10			159.296
17	2	87.5	10	1943		542.437
18	3	84.6	10	1407	1689	477.158
19	2	67.7	10	1501		460.779

Type 5 Radar Waveform_26						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	85.1	8	1908		567.332
2	2	62.9	8	1555		727.72
3	2	85.3	8	1439		510.05
4	2	85.4	8	1909		440.65
5	2	63.7	8	1746		643.43
6	1	60.8	8			164.77
7	1	86.7	8			95.09
8	2	67.4	8	1022		737.82
9	3	60	8	1312	1434	622.18
10	1	88.4	8			733.19
11	2	70.4	8	1167		324.88
12	2	56.2	8	1977		395.58
13	2	64.4	8	1291		624.93
14	1	60.9	8			530.5
15	2	74.5	8	1199		695.7
16	3	61.4	8	1671	1125	654.4

Type 5 Radar Waveform_27						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	85.3	19	1206	1535	382.254
2	2	64.6	19	1827		576.217
3	2	54.2	19	1148		277.684
4	1	51.2	19			390.471
5	3	90.8	19	1403	1805	135.179
6	2	63.6	19	1516		111.826
7	2	50.5	19	1947		796.003
8	2	77.6	19	1389		431.56
9	2	85.5	19	1510		751.817
10	3	95.8	19	1310	1056	32.794
11	2	89.3	19	1849		737.911
12	1	79.3	19			224.819
13	2	79.3	19	1417		633.786
14	1	73.3	19			788.743

Type 5 Radar Waveform_28						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	3	65.1	18	1085	1447	126.523
2	2	67.3	18	1588		938.76
3	2	50.2	18	1840		751.31
4	3	59.1	18	1712	1118	555.51
5	2	70.4	18	1395		1140.8
6	2	61.9	18	1401		1052.74
7	1	74.2	18			139.27
8	2	84.4	18	1136		1015.37
9	3	97.4	18	1139	1992	1008
10	1	76.1	18			308.6

Type 5 Radar Waveform_29						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	70	10	1395		340.15
2	2	93	10	1826		758.64
3	1	71.1	10			265.45
4	1	62.5	10			530.66
5	2	54.4	10	1573		328.27
6	2	65.1	10	1436		78.1
7	2	71.2	10	1076		437.11
8	2	51.9	10	1113		781.73
9	1	72.9	10			23.57
10	2	53.2	10	1080		516.4
11	2	83.9	10	1744		499.16
12	3	57.1	10	1500	1612	85.36
13	2	77.6	10	1819		15.87
14	1	76	10			93.2
15	2	83.5	10	1640		393.8

  

Type 5 Radar Waveform_30						
Burst	Number of Pulses	Pulse Width ( $\mu$ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI ( $\mu$ sec)	Pulse 2-to-3 PRI ( $\mu$ sec)	Start Location Within Interval (msec)
1	2	55.2	17	1926		171.508
2	2	64.8	17	1963		174.65
3	2	80	17	1199		937.36
4	2	75.5	17	1792		400.64
5	1	79.1	17			279.72
6	2	82.3	17	1864		883.33
7	3	90	17	1086	1622	210.65
8	1	55.9	17			145.12
9	3	67.4	17	1834	1523	649.61
10	2	71.3	17	1436		897.26
11	3	69	17	1258	1627	927.7
12	2	55	17	1866		151.7

## Radar Type 6 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	1=Detection 0=No Detection	Trail #	Test Freq. (MHz)	1=Detection 0=No Detection
1	5535.6	1	16	5584.8	1
2	5523.6	1	17	5505.1	1
3	5641.7	1	18	5590.3	1
4	5559.6	1	19	5570.0	1
5	5649.0	1	20	5638.3	1
6	5529.3	1	21	5499.9	1
7	5645.3	1	22	5578.4	1
8	5541.3	1	23	5614.5	1
9	5646.9	1	24	5547.6	1
10	5491.0	1	25	5596.5	1
11	5620.3	1	26	5493.5	1
12	5553.4	1	27	5608.5	1
13	5626.7	1	28	5572.6	1
14	5511.5	1	29	5632.4	1
15	5535.6	1	30	5517.3	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.571	3	1	5.576	3
10	5.57	30	2	5.572	6
15	5.602	45	4	5.639	12
16	5.517	48	8	5.531	24
22	5.513	66	9	5.512	27
23	5.595	69	11	5.52	33
24	5.515	72	14	5.593	42
26	5.537	78	15	5.49	45
27	5.521	81	16	5.603	48
28	5.642	84	17	5.513	51
31	5.608	93	22	5.55	66
32	5.551	96	24	5.533	72
33	5.589	99	28	5.585	84
37	5.497	111	30	5.605	90
41	5.616	123	34	5.579	102
42	5.585	126	35	5.631	105
45	5.617	135	37	5.573	111
49	5.647	147	38	5.524	114
53	5.555	159	39	5.648	117
54	5.609	162	41	5.562	123
61	5.566	183	45	5.632	135
63	5.545	189	47	5.542	141
65	5.648	195	48	5.584	144
69	5.531	207	49	5.492	147
75	5.565	225	53	5.5	159
77	5.554	231	55	5.497	165
78	5.542	234	61	5.505	183
79	5.607	237	63	5.608	189
90	5.622	270	65	5.554	195
93	5.572	279	66	5.56	198
94	5.498	282	67	5.628	201
99	5.552	297	68	5.615	204
100	5.541	300	69	5.516	207
--	--	--	70	5.561	210
--	--	--	74	5.534	222

--	--	--	76	5.521	228
--	--	--	78	5.511	234
--	--	--	81	5.532	243
--	--	--	82	5.627	246
--	--	--	84	5.551	252
--	--	--	89	5.644	267
--	--	--	91	5.541	273
--	--	--	92	5.552	276
--	--	--	96	5.577	288
--	--	--	98	5.547	294
--	--	--	99	5.61	297
--	--	--	100	5.571	300

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5.57	18	2	5.616	6
11	5.502	33	4	5.581	12
14	5.614	42	6	5.617	18
16	5.647	48	7	5.547	21
18	5.535	54	11	5.639	33
19	5.564	57	12	5.638	36
20	5.571	60	21	5.644	63
24	5.518	72	22	5.496	66
28	5.619	84	23	5.635	69
29	5.601	87	27	5.506	81
32	5.499	96	28	5.534	84
33	5.52	99	45	5.54	135
41	5.599	123	47	5.622	141
42	5.523	126	48	5.626	144
47	5.636	141	49	5.586	147
51	5.591	153	52	5.543	156
55	5.554	165	53	5.529	159
56	5.578	168	55	5.601	165
60	5.592	180	61	5.556	183
65	5.506	195	62	5.523	186
68	5.588	204	63	5.571	189
69	5.547	207	64	5.611	192



71	5.604	213	65	5.527	195
72	5.643	216	68	5.575	204
80	5.567	240	75	5.604	225
81	5.596	243	76	5.525	228
84	5.545	252	79	5.606	237
86	5.556	258	85	5.55	255
87	5.605	261	86	5.605	258
89	5.611	267	87	5.624	261
91	5.617	273	92	5.518	276
93	5.58	279	94	5.636	282
94	5.501	282	95	5.531	285
97	5.538	291	96	5.576	288
100	5.641	300	100	5.579	300

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.559	3	3	5.531	9
4	5.604	12	5	5.6	15
10	5.528	30	7	5.552	21
12	5.536	36	8	5.551	24
13	5.575	39	10	5.558	30
17	5.615	51	13	5.492	39
20	5.577	60	17	5.534	51
21	5.643	63	31	5.54	93
25	5.558	75	32	5.611	96
26	5.512	78	33	5.592	99
27	5.553	81	34	5.51	102
28	5.547	84	36	5.635	108
33	5.562	99	37	5.628	111
34	5.549	102	44	5.584	132
36	5.628	108	46	5.608	138
42	5.538	126	53	5.582	159
45	5.495	135	54	5.598	162
46	5.523	138	58	5.566	174
55	5.513	165	59	5.495	177
57	5.607	171	61	5.603	183

66	5.5	198	63	5.647	189
67	5.514	201	67	5.553	201
73	5.581	219	72	5.573	216
80	5.505	240	75	5.555	225
81	5.578	243	76	5.498	228
92	5.521	276	79	5.644	237
--	--	--	80	5.49	240
--	--	--	82	5.493	246
--	--	--	85	5.519	255
--	--	--	87	5.532	261
--	--	--	88	5.604	264
--	--	--	90	5.547	270
--	--	--	94	5.509	282
--	--	--	95	5.587	285
--	--	--	97	5.613	291
--	--	--	98	5.527	294
--	--	--	99	5.539	297

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.494	6	7	5.524	21
4	5.574	12	9	5.594	27
6	5.495	18	12	5.622	36
7	5.538	21	20	5.521	60
9	5.608	27	22	5.649	66
12	5.53	36	23	5.544	69
21	5.507	63	24	5.609	72
22	5.517	66	26	5.514	78
24	5.501	72	35	5.553	105
25	5.537	75	37	5.527	111
26	5.605	78	38	5.496	114
32	5.57	96	40	5.588	120
33	5.582	99	41	5.605	123
34	5.502	102	44	5.61	132
36	5.519	108	46	5.498	138
37	5.541	111	47	5.508	141
38	5.525	114	50	5.561	150
39	5.5	117	52	5.549	156
46	5.534	138	53	5.565	159
53	5.505	159	58	5.499	174
57	5.614	171	61	5.555	183
60	5.593	180	63	5.595	189
63	5.649	189	64	5.615	192
68	5.531	204	66	5.644	198
71	5.572	213	67	5.507	201
72	5.635	216	70	5.505	210
75	5.529	225	74	5.59	222
79	5.558	237	75	5.556	225
84	5.539	252	77	5.523	231
85	5.528	255	82	5.587	246
86	5.639	258	84	5.648	252
89	5.512	267	85	5.541	255
94	5.579	282	87	5.529	261
95	5.521	285	89	5.542	267
96	5.492	288	90	5.575	270

--	--	--	95	5.64	285
--	--	--	96	5.528	288
--	--	--	98	5.581	294
--	--	--	100	5.536	300

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.6	3	1	5.645	3
2	5.531	6	3	5.6	9
4	5.618	12	4	5.648	12
5	5.627	15	5	5.495	15
6	5.595	18	6	5.549	18
7	5.512	21	8	5.517	24
9	5.624	27	9	5.52	27
10	5.588	30	10	5.587	30
12	5.597	36	12	5.616	36
15	5.607	45	13	5.591	39
19	5.519	57	17	5.565	51
26	5.548	78	28	5.539	84
41	5.609	123	29	5.594	87
42	5.601	126	30	5.498	90
43	5.594	129	34	5.632	102
44	5.552	132	37	5.636	111
45	5.559	135	38	5.545	114
53	5.551	159	44	5.555	132
58	5.539	174	46	5.511	138
59	5.494	177	51	5.528	153
64	5.568	192	53	5.635	159
69	5.625	207	54	5.573	162
71	5.534	213	60	5.55	180
75	5.581	225	61	5.63	183
76	5.61	228	66	5.519	198
83	5.544	249	69	5.572	207
86	5.507	258	74	5.631	222
90	5.556	270	75	5.562	225
91	5.616	273	76	5.534	228
93	5.557	279	83	5.525	249

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94	5.538	282	93	5.641	279
96	5.515	288	100	5.574	300
97	5.602	291	--	--	--
98	5.64	294	--	--	--

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Frequency (MHz)	Hopping Number	Pulse Start (ms)
1	5.526	3	7	5.604	21
2	5.586	6	8	5.62	24
8	5.53	24	9	5.648	27
17	5.577	51	10	5.527	30
18	5.616	54	14	5.498	42
21	5.567	63	20	5.56	60
23	5.492	69	21	5.49	63
24	5.623	72	22	5.593	66
31	5.554	93	24	5.503	72
32	5.642	96	25	5.54	75
33	5.571	99	31	5.557	93
35	5.593	105	32	5.529	96
41	5.641	123	34	5.516	102
61	5.604	183	38	5.536	114
68	5.622	204	39	5.628	117
69	5.603	207	40	5.569	120
72	5.508	216	41	5.613	123
83	5.528	249	42	5.607	126
84	5.551	252	46	5.545	138
87	5.633	261	48	5.514	144
90	5.506	270	54	5.643	162
92	5.605	276	55	5.548	165
93	5.521	279	57	5.596	171
95	5.497	285	58	5.615	174
98	5.498	294	60	5.65	180
--	--	--	64	5.605	192
--	--	--	65	5.507	195
--	--	--	67	5.633	201
--	--	--	72	5.622	216
--	--	--	74	5.5	222
--	--	--	80	5.642	240
--	--	--	93	5.499	279
--	--	--	98	5.623	294
--	--	--	100	5.573	300

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5.541	12	1	5.591	3
10	5.612	30	2	5.522	6
12	5.496	36	4	5.599	12
13	5.504	39	5	5.597	15
16	5.636	48	8	5.513	24
20	5.515	60	12	5.635	36
22	5.519	66	15	5.496	45
24	5.525	72	17	5.63	51
25	5.62	75	20	5.49	60
26	5.573	78	28	5.508	84
29	5.583	87	30	5.636	90
33	5.542	99	31	5.561	93
39	5.641	117	36	5.532	108
41	5.577	123	42	5.579	126
42	5.611	126	43	5.517	129
43	5.582	129	47	5.582	141
44	5.6	132	49	5.556	147
45	5.544	135	50	5.562	150
46	5.643	138	55	5.606	165
47	5.521	141	58	5.587	174
63	5.627	189	60	5.616	180
65	5.516	195	61	5.603	183
69	5.609	207	62	5.618	186
72	5.497	216	66	5.615	198
74	5.517	222	69	5.497	207
79	5.626	237	74	5.544	222
86	5.635	258	75	5.6	225
87	5.526	261	76	5.638	228
88	5.527	264	77	5.55	231
92	5.581	276	81	5.553	243
95	5.589	285	84	5.595	252
--	--	--	85	5.574	255
--	--	--	87	5.499	261
--	--	--	90	5.558	270
--	--	--	93	5.555	279

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--	--	--	98	5.545	294
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Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
3	5.519	9	1	5.545	3
7	5.5	21	2	5.575	6
11	5.501	33	4	5.51	12
14	5.632	42	5	5.523	15
21	5.6	63	6	5.561	18
22	5.548	66	8	5.547	24
26	5.547	78	9	5.537	27
28	5.55	84	12	5.615	36
32	5.603	96	16	5.574	48
33	5.526	99	18	5.506	54
36	5.54	108	20	5.604	60
38	5.538	114	22	5.633	66
39	5.577	117	24	5.493	72
40	5.633	120	25	5.522	75
45	5.498	135	29	5.503	87
46	5.533	138	30	5.573	90
48	5.637	144	36	5.62	108
52	5.515	156	37	5.541	111
57	5.559	171	40	5.622	120
65	5.566	195	43	5.505	129
71	5.586	213	44	5.641	132
75	5.506	225	49	5.491	147
79	5.536	237	56	5.558	168
80	5.494	240	58	5.513	174
81	5.623	243	59	5.565	177
82	5.557	246	61	5.596	183
85	5.609	255	62	5.512	186
86	5.602	258	65	5.586	195
87	5.574	261	68	5.509	204
88	5.564	264	77	5.612	231
89	5.583	267	78	5.606	234
93	5.636	279	79	5.562	237
95	5.647	285	80	5.546	240
98	5.584	294	85	5.642	255
99	5.621	297	86	5.569	258

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100	5.589	300	88	5.501	264
--	--	--	90	5.645	270

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.501	3	2	5.637	6
3	5.619	9	5	5.528	15
4	5.616	12	9	5.636	27
6	5.594	18	10	5.542	30
7	5.638	21	11	5.596	33
8	5.573	24	12	5.608	36
16	5.646	48	13	5.6	39
18	5.494	54	14	5.614	42
22	5.577	66	23	5.495	69
25	5.591	75	24	5.649	72
26	5.514	78	26	5.561	78
28	5.507	84	28	5.549	84
29	5.626	87	29	5.574	87
32	5.569	96	43	5.58	129
34	5.526	102	46	5.629	138
39	5.556	117	47	5.519	141
43	5.521	129	52	5.593	156
44	5.493	132	53	5.588	159
45	5.623	135	55	5.578	165
49	5.512	147	56	5.533	168
52	5.504	156	58	5.548	174
57	5.62	171	70	5.604	210
63	5.513	189	71	5.625	213
67	5.524	201	76	5.499	228
68	5.611	204	79	5.616	237
81	5.518	243	82	5.597	246
85	5.49	255	84	5.563	252
86	5.525	258	86	5.552	258
87	5.497	261	88	5.49	264
88	5.549	264	89	5.617	267
90	5.511	270	91	5.622	273
94	5.535	282	93	5.631	279
95	5.592	285	95	5.515	285
100	5.5	300	97	5.521	291
			99	5.589	297

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5.6	6	14	5.51	42
4	5.64	12	19	5.625	57
5	5.537	15	20	5.575	60
7	5.527	21	25	5.538	75
8	5.599	24	26	5.512	78
13	5.496	39	31	5.576	93
17	5.495	51	32	5.638	96
18	5.5	54	35	5.637	105
20	5.546	60	37	5.514	111
23	5.563	69	38	5.534	114
25	5.56	75	40	5.65	120
27	5.595	81	44	5.641	132
30	5.539	90	46	5.587	138
31	5.557	93	56	5.547	168
33	5.594	99	58	5.6	174
49	5.507	147	67	5.513	201
51	5.584	153	69	5.64	207
62	5.529	186	70	5.602	210
63	5.491	189	73	5.624	219
66	5.591	198	74	5.648	222
74	5.555	222	92	5.644	276
75	5.606	225	95	5.563	285
78	5.576	234	99	5.603	297
80	5.589	240	100	5.537	300
81	5.543	243	--	--	--
82	5.637	246	--	--	--
83	5.645	249	--	--	--
86	5.534	258	--	--	--
92	5.607	276	--	--	--

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.587	3	1	5.497	3
3	5.514	9	4	5.592	12
13	5.588	39	7	5.562	21
14	5.504	42	8	5.618	24
17	5.636	51	9	5.507	27
18	5.498	54	11	5.492	33
21	5.562	63	12	5.574	36
22	5.627	66	13	5.64	39
25	5.58	75	17	5.599	51
26	5.598	78	18	5.535	54
27	5.547	81	20	5.515	60
32	5.493	96	25	5.621	75
33	5.559	99	26	5.536	78
44	5.625	132	27	5.527	81
47	5.524	141	34	5.57	102
53	5.548	159	35	5.631	105
56	5.496	168	42	5.626	126
60	5.532	180	46	5.613	138
61	5.554	183	48	5.636	144
62	5.628	186	51	5.508	153
67	5.541	201	52	5.568	156
74	5.638	222	55	5.561	165
78	5.611	234	56	5.582	168
79	5.573	237	59	5.514	177
83	5.646	249	60	5.597	180
87	5.637	261	61	5.632	183
88	5.539	264	63	5.61	189
89	5.65	267	64	5.556	192
95	5.626	285	66	5.557	198
98	5.592	294	68	5.578	204
--	--	--	75	5.543	225
--	--	--	76	5.531	228
--	--	--	78	5.594	234
--	--	--	79	5.565	237
--	--	--	80	5.579	240

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--	--	--	83	5.511	249
--	--	--	90	5.566	270
--	--	--	91	5.498	273
--	--	--	92	5.525	276
--	--	--	96	5.602	288
--	--	--	98	5.553	294
--	--	--	99	5.616	297

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.492	3	1	5.557	3
2	5.594	6	3	5.505	9
4	5.514	12	4	5.548	12
10	5.625	30	5	5.648	15
11	5.638	33	10	5.538	30
12	5.598	36	11	5.567	33
29	5.622	87	13	5.645	39
31	5.537	93	15	5.632	45
33	5.59	99	16	5.633	48
34	5.636	102	22	5.629	66
36	5.566	108	23	5.635	69
38	5.607	114	29	5.641	87
39	5.58	117	32	5.508	96
41	5.584	123	47	5.622	141
43	5.644	129	49	5.556	147
44	5.536	132	56	5.564	168
53	5.648	159	57	5.579	171
54	5.616	162	58	5.499	174
58	5.526	174	59	5.612	177
59	5.545	177	68	5.581	204
62	5.548	186	74	5.593	222
63	5.54	189	79	5.642	237
64	5.529	192	80	5.591	240
67	5.641	201	81	5.647	243
69	5.615	207	82	5.577	246
70	5.629	210	85	5.541	255
71	5.504	213	87	5.509	261
73	5.63	219	88	5.496	264
78	5.642	234	91	5.6	273
81	5.628	243	92	5.614	276
83	5.637	249	97	5.617	291
86	5.505	258	98	5.539	294
87	5.555	261	--	--	--
93	5.633	279	--	--	--
95	5.613	285	--	--	--

97	5.574	291	--	--	--
99	5.547	297	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5.528	12	4	5.541	12
6	5.574	18	7	5.504	21
7	5.607	21	14	5.6	42
10	5.5	30	17	5.522	51
11	5.503	33	18	5.637	54
16	5.591	48	24	5.534	72
17	5.507	51	30	5.633	90
19	5.602	57	31	5.549	93
24	5.543	72	34	5.532	102
25	5.619	75	35	5.501	105
27	5.51	81	37	5.588	111
30	5.627	90	38	5.635	114
36	5.632	108	39	5.626	117
37	5.592	111	41	5.49	123
42	5.625	126	42	5.526	126
43	5.546	129	46	5.575	138
48	5.615	144	48	5.606	144
51	5.629	153	49	5.643	147
53	5.553	159	54	5.491	162
59	5.604	177	57	5.531	171
60	5.648	180	59	5.495	177
61	5.534	183	61	5.618	183
66	5.505	198	62	5.556	186
72	5.616	216	63	5.649	189
74	5.521	222	67	5.607	201
75	5.506	225	72	5.644	216
78	5.638	234	81	5.516	243
79	5.626	237	83	5.601	249
81	5.529	243	88	5.612	264
84	5.524	252	94	5.64	282
89	5.645	267	95	5.604	285
90	5.588	270	96	5.567	288



Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5.573	3	1	5.565	3
3	5.544	9	4	5.613	12
10	5.595	30	7	5.61	21
11	5.638	33	13	5.545	39
18	5.625	54	14	5.631	42
20	5.578	60	16	5.623	48
22	5.648	66	17	5.636	51
27	5.516	81	18	5.526	54
28	5.567	84	21	5.59	63
33	5.626	99	23	5.639	69
36	5.525	108	28	5.624	84
37	5.624	111	32	5.514	96
39	5.502	117	37	5.586	111
40	5.521	120	39	5.597	117
41	5.584	123	40	5.605	120
43	5.494	129	42	5.641	126
47	5.623	141	43	5.601	129
49	5.559	147	44	5.588	132
51	5.576	153	47	5.556	141
58	5.644	174	48	5.516	144
63	5.616	189	49	5.513	147
66	5.552	198	50	5.553	150
67	5.498	201	56	5.596	168
68	5.503	204	60	5.53	180
69	5.575	207	61	5.563	183
73	5.556	219	65	5.625	195
76	5.522	228	66	5.522	198
87	5.566	261	68	5.583	204
89	5.598	267	71	5.551	213
91	5.65	273	76	5.632	228
--	--	--	78	5.541	234
--	--	--	82	5.607	246
--	--	--	84	5.543	252
--	--	--	87	5.493	261
--	--	--	98	5.57	294

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
15	5.577	45	8	5.618	24
17	5.558	51	14	5.556	42
18	5.512	54	20	5.493	60
19	5.629	57	24	5.638	72
27	5.574	81	25	5.549	75
28	5.637	84	26	5.547	78
30	5.502	90	33	5.602	99
31	5.618	93	35	5.604	105
32	5.492	96	36	5.622	108
36	5.536	108	37	5.621	111
37	5.557	111	43	5.543	129
40	5.591	120	48	5.577	144
41	5.607	123	52	5.616	156
45	5.542	135	53	5.642	159
51	5.541	153	55	5.603	165
54	5.503	162	57	5.49	171
56	5.554	168	58	5.639	174
59	5.547	177	60	5.598	180
60	5.575	180	61	5.516	183
68	5.581	204	63	5.579	189
70	5.516	210	64	5.628	192
80	5.587	240	70	5.512	210
82	5.52	246	71	5.501	213
86	5.57	258	72	5.568	216
89	5.524	267	74	5.563	222
92	5.588	276	75	5.519	225
96	5.648	288	76	5.552	228
--	--	--	77	5.624	231
--	--	--	79	5.643	237
--	--	--	80	5.502	240
--	--	--	85	5.629	255
--	--	--	89	5.61	267
--	--	--	90	5.587	270
--	--	--	91	5.517	273
--	--	--	92	5.542	276

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--	--	--	93	5.572	279
--	--	--	96	5.521	288
--	--	--	99	5.53	297

## 6. CONCLUSION

The data collected relate only the item(s) tested and show that the unit is in compliance with Part 15E of the FCC Rules.

————— The End —————

## **Appendix A – Test Setup Photograph**

Refer to 2003TW0002-UT file.

## **Appendix B – EUT Photograph**

Refer to 2003TW0002-UE file.