

Radar Type 4 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5570.4	11.4	464	13	0
2	5570.4	19.0	410	15	1
3	5570.4	12.4	212	14	1
4	5570.4	17.9	316	15	1
5	5570.4	12.2	391	14	1
6	5570.4	17.0	487	16	1
7	5570.4	18.9	484	13	1
8	5570.4	18.6	402	14	1
9	5570.4	12.1	216	13	1
10	5570.4	12.6	203	14	1
11	5580.0	14.3	278	13	1
12	5580.0	14.9	352	14	1
13	5580.0	14.2	437	15	1
14	5580.0	17.8	270	14	1
15	5580.0	16.9	471	15	1
16	5580.0	16.7	400	14	1
17	5580.0	11.3	210	14	1
18	5580.0	19.0	449	15	1
19	5580.0	11.2	460	14	1
20	5580.0	15.8	456	13	1
21	5589.6	14.7	457	14	0
22	5589.6	11.3	277	13	1
23	5589.6	12.3	310	13	1
24	5589.6	19.4	361	13	1
25	5589.6	13.1	324	16	1
26	5589.6	11.4	405	16	1
27	5589.6	17.2	213	13	1
28	5589.6	13.9	291	15	0
29	5589.6	17.6	398	16	1
30	5589.6	16.7	336	14	1
Detection Percentage (%)					90%

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

waveforms is as follows: $\frac{P_d1 + P_d2 + P_d3 + P_d4}{4} = (100\% + 96.7\% + 96.7\% + 90\%) / 4 = 95.8\% (>80\%)$

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	5580.0	1	16	5577.2	1
2	5580.0	1	17	5575.6	1
3	5580.0	1	18	5578.4	1
4	5580.0	1	19	5573.2	0
5	5580.0	1	20	5577.6	1
6	5580.0	1	21	5584.0	0
7	5580.0	1	22	5587.2	1
8	5580.0	0	23	5584.8	1
9	5580.0	1	24	5582.0	0
10	5580.0	1	25	5587.6	1
11	5572.8	1	26	5584.4	1
12	5575.2	1	27	5584.0	1
13	5577.2	0	28	5581.6	1
14	5574.0	1	29	5583.6	1
15	5575.6	1	30	5587.2	1
Detection Percentage (%)					80%

Type 5 Radar Waveform_1						
Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	87	10	1442	1206	592.731
2	3	93.8	10	1393	1473	476.5
3	1	96.9	10			703.02
4	2	66.5	10	1963		467.77
5	2	69.1	10	1204		91.37
6	2	59.1	10	1439		281.71
7	3	71.4	10	1571	1767	323.99
8	3	64.5	10	1402	1054	603.48
9	3	90.3	10	1871	1975	391.64
10	2	56.8	10	1723		520.68
11	2	64.6	10	1294		656.75
12	2	89.7	10	1599		192.2
13	1	71.1	10			622.42
14	3	70.2	10	1595	1949	18.52
15	3	79	10	1743	1046	639.8
16	3	76.7	10	1781	1221	655.6

Type 5 Radar Waveform_2

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	55.1	7			123.288
2	3	89.6	7	1926	1374	522.731
3	1	81.4	7			706.782
4	1	83.5	7			1039.503
5	3	96	7	1084	1072	465.634
6	1	89.7	7			808.775
7	2	84.6	7	1337		325.295
8	1	64.2	7			424.046
9	3	58.8	7	1549	1639	277.477
10	2	89	7	1184		65.138
11	2	60.7	7	1939		118.709

Type 5 Radar Waveform_3

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	85.5	6	1513	1058	633.251
2	2	58.7	6	1302		1072.697
3	2	55.6	6	1409		770.303
4	1	60.2	6			782.98
5	2	89.7	6	1637		512.707
6	2	69	6	1056		228.103
7	2	63.2	6	1320		1195.06
8	1	58	6			1241.767
9	3	77.4	6	1481	1511	434.733

Type 5 Radar Waveform_4

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	78.8	8			277.673
2	1	81.5	8			609.66
3	1	81.8	8			880.15
4	3	67.1	8	1444	1572	429.26
5	3	65.8	8	1324	1457	863.71
6	2	77.8	8	1817		49.64
7	2	90.3	8	1821		1161.36
8	2	80.8	8	1179		830.61
9	2	93.6	8	1195		994.9
10	1	83	8			287.4

Type 5 Radar Waveform_5

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	90.3	9	1762		412.055
2	2	95.2	9	1697		410.21
3	2	69.6	9	1083		858.4
4	2	65.1	9	1408		326.57
5	1	63.9	9			118.86
6	3	66.9	9	1799	1097	101.81
7	2	56.1	9	1798		875.38
8	2	57.9	9	1673		368.01
9	1	72.1	9			635.74
10	2	78.7	9	1209		730.02
11	3	58.3	9	1597	1251	357.9
12	3	92.4	9	1733	1424	229.8

Type 5 Radar Waveform_6

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	59.1	18			861.562
2	1	65.2	18			792.17
3	3	91.2	18	1144	1377	222.14
4	2	95.2	18	1479		758.23
5	3	71	18	1460	1490	212.99
6	3	85.7	18	1569	1622	447.48
7	2	51.2	18	1134		549.74
8	2	81.5	18	1473		308.79
9	2	68.9	18	1622		854.95
10	1	89	18			627.35
11	2	50.5	18	1912		939.8
12	2	71.8	18	1344		942.1

Type 5 Radar Waveform_7

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	64.9	14	1951		688.512
2	2	59	14	1475		416.457
3	2	59.1	14	1193		1320.343
4	2	58.6	14	1941		1148.62
5	1	53	14			1009.777
6	2	92.9	14	1860		823.733
7	2	78.3	14	1867		683.92
8	2	68	14	1430		457.137
9	2	63.8	14	1848		237.933

Type 5 Radar Waveform_8

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 Spacing (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	90.8	10	1973		1057.93
2	1	65.2	10			348.93
3	2	73.6	10	1442		1316.75
4	2	94	10	1916		1398.42
5	1	88.9	10			1199.89
6	2	83.7	10	1552		669.13
7	3	79.6	10	1020	1353	794.03
8	2	93.7	10	1951		266.6

Type 5 Radar Waveform_9

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	84.8	10	1662		197.827
2	3	90.8	10	1437	1129	287.636
3	1	94	10			555.362
4	3	64.5	10	1680	1448	315.763
5	3	72.9	10	1188	1095	87.894
6	2	89.1	10	1319		22.915
7	1	64.9	10			347.706
8	2	86.5	10	1524		422.357
9	3	99	10	1400	1455	447.778
10	2	77.6	10	1369		526.499
11	2	90.5	10	1515		450.111
12	2	77.4	10	1396		238.332
13	2	50	10	1906		19.773
14	2	61.8	10	1139		103.514
15	3	56.7	10	1857	1994	600.655
16	1	54.2	10			284.576
17	3	52.5	10	1663	1440	334.237
18	2	98.2	10	1526		302.358
19	1	82.9	10			33.379

Type 5 Radar Waveform_10

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	97.4	16			462.399
2	2	51.8	16	1898		129.447
3	3	84.8	16	1988	1918	464.853
4	1	82.4	16			173.68
5	3	70.9	16	1954	1852	629.187
6	1	95.1	16			1298.753
7	2	81.4	16	1053		716.68
8	3	55.2	16	1449	1287	859.067
9	2	56.6	16	1812		19.733

Type 5 Radar Waveform_11

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	71.5	6	1328		515.848
2	2	86.4	6	1030		1402.84
3	3	56.2	6	1995	1946	844.77
4	3	82.2	6	1229	1154	1450.47
5	3	95.8	6	1189	1940	217.1
6	2	52.8	6	1316		765.95
7	1	61.8	6			653.05
8	2	77.8	6	1664		648.3

Type 5 Radar Waveform_12

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	58.8	12			817.476
2	2	53.3	12	1447		59.424
3	1	89	12			666.546
4	1	78	12			344.419
5	3	73.1	12	1266	1749	427.752
6	2	83.4	12	1600		404.655
7	3	66.3	12	1439	1688	399.658
8	2	92	12	1890		915.362
9	3	71.9	12	1941	1321	914.865
10	3	56.7	12	1653	1133	353.518
11	1	72.1	12			811.031
12	2	76.6	12	1862		556.554
13	2	86.1	12	1914		41.477

Type 5 Radar Waveform_13

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	93.6	17	1613		614.939
2	2	97.5	17	1257		301.98
3	1	97.2	17			506.55
4	3	91	17	1898	1498	839.23
5	2	62	17	1020		46.96
6	1	86.7	17			852.95
7	1	62.3	17			414.75
8	1	82.3	17			23.71
9	2	89.7	17	1009		488.29
10	1	62.7	17			760.21
11	2	62.2	17	1215		373
12	1	99	17			968.8

Type 5 Radar Waveform_14

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	83	9			59.276
2	2	62.3	9	1732		740.32
3	2	76.5	9	1745		308.88
4	1	85.2	9			667.57
5	3	95.2	9	1706	1230	776.83
6	2	65.8	9	1343		776.73
7	2	57.1	9	1266		85.67
8	2	82.6	9	1059		300.43
9	2	100	9	1717		620.34
10	2	62.4	9	1935		765.82
11	1	82	9			163.42
12	2	83.8	9	1486		40.8
13	2	65.3	9	1439		503.4
14	3	79.4	9	1430	1764	165.3
15	2	53	9	1613		336.5

Type 5 Radar Waveform_15

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	63.5	13			261.534
2	1	79	13			280.508
3	1	73.4	13			264.795
4	2	92	13	1334		185.083
5	3	56.5	13	1291	1094	502.041
6	1	90.6	13			582.438
7	3	60.4	13	1293	1112	444.926
8	2	69.4	13	1684		316.594
9	1	95.3	13			356.531
10	2	99	13	1082		656.419
11	1	97.3	13			395.246
12	2	79.4	13	1188		142.734
13	3	96.9	13	1210	1806	193.202
14	2	59.4	13	1836		657.929
15	1	86.5	13			129.647
16	1	93.2	13			229.765
17	2	78.9	13	1269		696.382

Type 5 Radar Waveform_16

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	72.3	17			135.576
2	2	54.5	17	1923		327.747
3	3	65.5	17	1553	1944	519.322
4	3	51	17	1168	1465	20.813
5	1	75.1	17			516.214
6	1	60.1	17			284.275
7	2	79.7	17	1554		472.756
8	2	54.9	17	1116		295.917
9	2	61.6	17	1042		395.788
10	2	95.4	17	1485		240.679
11	2	98.4	17	1858		151.291
12	1	73.5	17			566.102
13	2	76.4	17	1735		509.153
14	2	64.3	17	1344		551.344
15	2	91	17	1357		162.485
16	1	81.1	17			587.016
17	2	67.3	17	1906		230.737
18	2	82.9	17	1769		31.458
19	2	94.1	17	1916		173.679

Type 5 Radar Waveform_17

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	83.5	13	1633		313.805
2	2	72.8	13	1853		220.656
3	2	77.7	13	1040		490.767
4	1	58	13			433.5
5	3	60.3	13	1150	1356	168.293
6	2	86	13	1702		553.357
7	1	91.5	13			512.62
8	3	88.1	13	1304	1720	225.173
9	2	84.6	13	1060		4.237
10	3	53	13	1788	1477	562.93
11	1	55.5	13			16.963
12	3	65.4	13	1911	1129	299.377
13	1	51.2	13			232.86
14	1	97.3	13			572.693
15	2	65.2	13	1874		248.777
16	2	88.8	13	1440		60.2
17	2	70.5	13	1988		624.733
18	3	95.7	13	1185	1609	142.967

Type 5 Radar Waveform_18

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	1	83.9	20			474.7
2	2	73.9	20	1543		691.621
3	3	50.4	20	1132	1770	536.552
4	2	60.7	20	1476		512.663
5	3	75.1	20	1511	1930	753.934
6	2	55.4	20	1515		957.075
7	3	80	20	1905	1826	579.475
8	3	71.5	20	1258	1372	572.436
9	2	73.5	20	1853		372.767
10	3	74.4	20	1972	1960	981.218
11	3	86.5	20	1802	1733	29.109

Type 5 Radar Waveform_19

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	65.2	7			88.661
2	1	69.6	7			195.153
3	2	55.3	7	1390		263.98
4	2	76.3	7	1766		365.37
5	3	55.6	7	1154	1526	319.43
6	3	60.9	7	1932	1941	5.64
7	2	59.6	7	1288		226.44
8	2	63.7	7	1632		581.58
9	2	93.6	7	1223		132.69
10	3	96	7	1291	1146	315.82
11	3	79.9	7	1559	1752	512.35
12	1	92.3	7			172.14
13	2	75.6	7	1802		399.9
14	1	64.3	7			53.83
15	2	66.6	7	1930		544.81
16	2	54.3	7	1137		397.16
17	1	100	7			204.18
18	1	70.9	7			144.8
19	2	83.6	7	1685		53
20	2	94.6	7	1044		470.6

Type 5 Radar Waveform_20

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	67.4	18	1672		135.462
2	2	93.5	18	1401		387.413
3	3	58.3	18	1338	1576	328.217
4	3	56.4	18	1519	1359	0.44
5	3	80.9	18	1783	1223	396.673
6	3	72.6	18	1130	1808	523.947
7	3	98.4	18	1632	1543	25.38
8	3	87.9	18	1928	1569	510.493
9	2	72.6	18	1963		571.077
10	2	98.3	18	1403		24.33
11	1	63.5	18			453.323
12	2	55.6	18	1644		571.457
13	3	98.7	18	1293	1448	181.38
14	1	86.8	18			604.703
15	1	59.7	18			303.497
16	2	78.7	18	1294		133.3
17	2	57.1	18	1743		438.733
18	3	63.5	18	1543	1840	469.467

Type 5 Radar Waveform_21

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	69.4	14	1002		719.39
2	2	60.3	14	1814		718.9
3	1	93.2	14			184.82
4	1	97	14			267.75
5	2	95.6	14	1354		697.91
6	3	66.8	14	1337	1176	178.81
7	3	84.2	14	1278	1323	341.78
8	3	82.5	14	1567	1974	725.71
9	2	59.6	14	1212		439.75
10	3	97.4	14	1960	1414	307.76
11	2	54.8	14	1890		522.68
12	3	61.4	14	1600	1119	10.05
13	2	81.7	14	1483		585.45
14	2	60.1	14	1176		239.5
15	1	84.3	14			164.3
16	2	93	14	1512		137.9

Type 5 Radar Waveform_22

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	60.2	6	1288		525.498
2	3	55.5	6	1124	1923	245.037
3	2	70.8	6	1419		32.844
4	1	67.5	6			53.841
5	1	59.6	6			124.989
6	2	72.7	6	1956		361.296
7	3	84.6	6	1381	1893	309.843
8	1	97.3	6			128.97
9	3	66.4	6	1465	1288	469.577
10	3	73.1	6	1769	1767	614.754
11	3	96.2	6	1394	1858	511.931
12	2	83.4	6	1738		316.149
13	2	66.3	6	1762		656.886
14	2	68.1	6	1682		680.643

Type 5 Radar Waveform_23

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	96.3	12	1320		714.934
2	2	86.7	12	1107		422.657
3	2	76.6	12	1563		848.444
4	2	88.1	12	1419		449.421
5	1	59.4	12			369.999
6	2	62.2	12	1500		610.776
7	1	76.3	12			93.283
8	3	62.7	12	1538	1438	101.89
9	2	52.2	12	1885		353.657
10	2	60.5	12	1654		764.924
11	1	88.9	12			477.851
12	1	92	12			589.129
13	1	98.9	12			139.986
14	2	90.7	12	1234		578.043

Type 5 Radar Waveform_24

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	90.6	19	1744	1303	597.268
2	2	71	19	1371		183.3
3	3	85.4	19	1920	1562	617.035
4	3	87.3	19	1005	1595	128.063
5	3	55.9	19	1698	1415	283.001
6	2	87.3	19	1638		402.778
7	2	62.4	19	1781		544.326
8	1	92.1	19			608.614
9	3	59	19	1708	1049	98.941
10	1	60.3	19			550.739
11	2	94.9	19	1041		620.516
12	2	68.8	19	1783		245.214
13	2	63.3	19	1775		254.672
14	1	81	19			559.959
15	2	84.2	19	1839		680.647
16	3	78.7	19	1405	1705	586.565
17	2	65.9	19	1656		174.882

Type 5 Radar Waveform_25

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	56.4	5	1548		8.82
2	1	85.4	5			359.72
3	2	97.3	5	1798		598.07
4	1	81.5	5			74.11
5	3	93	5	1494	1702	468.43
6	1	97.6	5			40.68
7	3	86.6	5	1074	1741	271.26
8	1	56.4	5			457.64
9	3	82.1	5	1648	1627	314.31
10	3	59.5	5	1379	1622	60.03
11	2	66.4	5	1938		617.39
12	2	94.3	5	1563		19.5
13	2	81.3	5	1440		90.38
14	2	78.6	5	1779		133.12
15	3	60.5	5	1517	1518	183.9
16	2	67.5	5	1432		113.8

Type 5 Radar Waveform_26

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	73.3	13	1495	1607	542.927
2	1	53.7	13			555.107
3	1	87	13			811.203
4	2	61.4	13	1456		653.74
5	1	83.2	13			462.827
6	3	79.6	13	1249	1533	864.883
7	2	86.6	13	1693		487.89
8	2	81	13	1331		1017.267
9	1	87.3	13			668.233

Type 5 Radar Waveform_27

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	64.2	14	1782		370.976
2	2	92	14	1810		201.714
3	3	53.4	14	1060	1885	666.895
4	2	99	14	1574		141.203
5	2	64.2	14	1522		80.281
6	2	96.4	14	1562		302.978
7	3	78.2	14	1214	1562	513.466
8	2	59.3	14	1209		661.024
9	3	78	14	1129	1788	81.091
10	2	68.7	14	1536		473.349
11	1	78.3	14			477.816
12	1	96.5	14			54.564
13	2	93.5	14	1148		355.272
14	2	83.4	14	1468		5.209
15	1	55.5	14			84.937
16	2	74.9	14	1331		208.765
17	1	73.5	14			126.482

Type 5 Radar Waveform_28

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	99.3	20	1623		345.237
2	2	53.2	20	1333		470.26
3	3	74.7	20	1771	1736	424.4
4	2	73.9	20	1861		376.65
5	2	89.2	20	1361		606.61
6	2	84.2	20	1958		668.89
7	1	68	20			283.96
8	1	88	20			92.84
9	2	68.5	20	1911		256.29
10	3	84.5	20	1613	1765	139.59
11	2	88.2	20	1262		731.64
12	1	67	20			31.32
13	2	89.7	20	1662		377.86
14	2	64.6	20	1949		1.51
15	3	79.2	20	1880	1380	502.8
16	1	99.2	20			90.2

Type 5 Radar Waveform_29

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	3	70.7	15	1155	1366	589.257
2	2	68.7	15	1148		85.24
3	2	52	15	1581		1014.33
4	1	53.6	15			1085.09
5	1	95	15			1095.39
6	2	89.4	15	1735		1131.28
7	2	64.9	15	1067		481.18
8	2	87.1	15	1078		950.26
9	1	57.1	15			7.73
10	2	93.4	15	1463		712

Type 5 Radar Waveform_30

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μ sec)	Pulse 2-to-3 PRI (μ sec)	Start Location Within Interval (msec)
1	2	60	6	1523		477.12
2	2	89.2	6	1726		530.36
3	2	90.8	6	1412		476.77
4	1	80.9	6			178.77
5	2	59.4	6	1136		558.68
6	3	81.1	6	1819	1892	153.29
7	3	91.3	6	1111	1820	273.59
8	2	70.1	6	1277		261.26
9	2	80.8	6	1625		157.85
10	1	62.7	6			422.56
11	1	67.1	6			137.31
12	2	50.7	6	1214		731.96
13	1	62.6	6			364.41
14	2	51.6	6	1083		350
15	2	89	6	1915		62.4
16	2	85.8	6	1980		125.9

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	5570.4	1	16	5580.0	1
2	5570.4	1	17	5580.0	1
3	5570.4	1	18	5580.0	1
4	5570.4	1	19	5580.0	1
5	5570.4	1	20	5580.0	1
6	5570.4	1	21	5589.6	1
7	5570.4	1	22	5589.6	1
8	5570.4	1	23	5589.6	1
9	5570.4	1	24	5589.6	1
10	5570.4	1	25	5589.6	1
11	5580.0	1	26	5589.6	1
12	5580.0	1	27	5589.6	1
13	5580.0	1	28	5589.6	1
14	5580.0	1	29	5589.6	1
15	5580.0	1	30	5589.6	1
Detection Percentage (%)					100%

Radar waveform #1			Radar waveform #2		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
20	5580	60	2	5582	6
23	5570	69	27	5587	81
60	5571	180	48	5577	144
62	5586	186	63	5584	189
75	5577	225	99	5589	297

Radar waveform #3			Radar waveform #4		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
31	5587	93	8	5585	24
33	5588	99	10	5584	30
67	5575	201	13	5580	39
69	5582	207	97	5581	291
82	5576	246	--	--	--
85	5570	255	--	--	--

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
42	5570	126	9	5573	27
69	5573	207	11	5589	33
82	5586	246	26	5574	78
92	5590	276	42	5583	126
--	--	--	56	5576	168

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5573	6	3	5588	9
43	5584	129	29	5571	87
48	5575	144	51	5589	153
73	5581	219	78	5587	234

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
99	5588	297	13	5582	39
--	--	--	54	5587	162
--	--	--	69	5583	207
--	--	--	72	5579	216
--	--	--	89	5578	267
Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Frequency (MHz)	Hopping Number	Pulse Start (ms)
12	5570	36	10	5585	30
28	5584	84	23	5587	69
39	5582	117	49	5583	147
49	5578	147	61	5577	183

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5587	33	4	5576	12
18	5585	54	35	5577	105
24	5583	72	66	5575	198
25	5573	75	70	5579	210
60	5578	180	87	5590	261
90	5574	270	--	--	--
Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
31	5586	93	6	5581	18
48	5573	144	53	5571	159
58	5576	174	--	--	--
70	5579	210	--	--	--
77	5587	231	--	--	--
83	5583	249	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5590	6	18	5570	54
15	5572	45	27	5575	81
50	5577	150	59	5585	177
65	5581	195	72	5580	216
84	5571	252	74	5581	222
--	--	--	75	5590	225
--	--	--	84	5582	252

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
96	5570	288	37	5572	111
--	--	--	48	5573	144
--	--	--	64	5587	192
--	--	--	80	5570	240
--	--	--	95	5580	285
--	--	--	98	5586	294

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
49	5588	147	5	5580	15
79	5579	237	42	5572	126
80	5573	240	80	5588	240
--	--	--	94	5586	282

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
36	5575	108	38	5575	114
61	5589	183	44	5571	132
--	--	--	49	5587	147
--	--	--	59	5584	177
--	--	--	100	5572	300

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
14	5583	42	7	5588	21
39	5572	117	27	5584	81
50	5578	150	28	5575	84
60	5573	180	29	5570	87
100	5575	300	55	5590	165
--	--	--	83	5576	249
--	--	--	97	5589	291

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5570	33	4	5580	12
12	5578	36	14	5576	42
32	5580	96	58	5570	174
33	5573	99	--	--	--
79	5574	237	--	--	--

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
11	5584	33	7	5570	21
12	5582	36	9	5587	27
18	5586	54	73	5578	219
30	5573	90	76	5584	228
50	5574	150	84	5582	252
70	5579	210	--	--	--
75	5581	225	--	--	--
92	5583	276	--	--	--

7. CONCLUSION

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

The End

Appendix A - Test Setup Photograph

Refer to "2004TW0002-UT" file.

Appendix B - EUT Photograph

Refer to "2004W0002-UE" file.