

Radar waveform #5			Radar waveform #6		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5509	3	1	5528	3
8	5563	24	7	5532	21
14	5541	42	8	5570	24
17	5492	51	24	5524	72
26	5551	78	30	5533	90
36	5529	108	31	5515	93
40	5565	120	39	5561	117
43	5539	129	53	5554	159
49	5494	147	54	5557	162
54	5540	162	63	5514	189
58	5502	174	73	5535	219
85	5559	255	80	5502	240
86	5512	258	89	5565	267
98	5490	294	98	5568	294

Radar waveform #7			Radar waveform #8		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
6	5497	18	4	5515	12
8	5501	24	7	5563	21
39	5507	117	10	5556	30
41	5498	123	12	5511	36
43	5534	129	13	5531	39
46	5518	138	22	5528	66
47	5516	141	28	5524	84
48	5521	144	34	5502	102
50	5550	150	41	5493	123
51	5499	153	45	5514	135
52	5494	156	49	5545	147
53	5528	159	54	5505	162
56	5538	168	61	5570	183
58	5564	174	66	5496	198
67	5532	201	69	5492	207
79	5554	237	75	5510	225
96	5503	288	79	5519	237
--	--	--	91	5500	273

Radar waveform #9			Radar waveform #10		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5538	12	5	5569	15
6	5507	18	8	5494	24
17	5566	51	9	5540	27
23	5515	69	10	5492	30
30	5491	90	15	5534	45
37	5525	111	17	5516	51
39	5544	117	19	5536	57
51	5529	153	23	5512	69
56	5531	168	31	5508	93
77	5520	231	32	5553	96
78	5553	234	33	5541	99
80	5504	240	41	5511	123
87	5501	261	59	5525	177
89	5530	267	70	5554	210
96	5509	288	86	5520	258
99	5549	297	87	5523	261
--	--	--	90	5501	270
--	--	--	92	5503	276

Radar waveform #11			Radar waveform #12		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
18	5502	54	9	5540	27
28	5551	84	13	5534	39
34	5492	102	16	5551	48
50	5490	150	18	5524	54
51	5511	153	21	5519	63
52	5510	156	28	5561	84
60	5516	180	36	5510	108
66	5500	198	42	5535	126
81	5493	243	54	5513	162
83	5547	249	56	5518	168
86	5498	258	65	5537	195
88	5529	264	69	5538	207
92	5549	276	71	5544	213
93	5539	279	86	5557	258
94	5494	282	88	5565	264
100	5535	300	95	5527	285
--	--	--	96	5522	288
--	--	--	97	5495	291
--	--	--	99	5520	297

Radar waveform #13			Radar waveform #14		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5512	6	23	5531	69
3	5520	9	26	5520	78
12	5559	36	28	5569	84
19	5527	57	30	5570	90
24	5538	72	31	5514	93
32	5547	96	45	5528	135
33	5556	99	47	5550	141
51	5554	153	60	5547	180
65	5533	195	61	5543	183
92	5507	276	73	5507	219
93	5528	279	75	5541	225
99	5497	297	76	5508	228
--	--	--	91	5490	273
--	--	--	92	5538	276
--	--	--	96	5542	288
--	--	--	99	5506	297

Radar waveform #15			Radar waveform #16		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5527	6	9	5493	27
3	5524	9	17	5548	51
6	5522	18	21	5570	63
19	5540	57	25	5500	75
25	5562	75	29	5509	87
33	5493	99	30	5515	90
38	5558	114	38	5527	114
46	5555	138	39	5495	117
49	5541	147	58	5531	174
59	5563	177	73	5532	219
62	5518	186	79	5534	237
63	5569	189	--	--	--
76	5551	228	--	--	--
86	5566	258	--	--	--
88	5517	264	--	--	--

Radar waveform #17			Radar waveform #18		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
2	5500	6	1	5500	3
3	5513	9	10	5545	30
6	5547	18	34	5567	102
12	5532	36	36	5550	108
17	5496	51	42	5509	126
21	5504	63	47	5549	141
23	5502	69	51	5558	153
25	5498	75	53	5535	159
36	5490	108	55	5529	165
47	5530	141	57	5565	171
52	5533	156	60	5541	180
54	5552	162	70	5511	210
60	5550	180	71	5497	213
65	5545	195	77	5499	231
67	5560	201	88	5544	264
71	5524	213	94	5510	282
81	5544	243	--	--	--
87	5492	261	--	--	--
96	5549	288	--	--	--
100	5514	300	--	--	--

Radar waveform #19			Radar waveform #20		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5543	12	5	5566	15
6	5506	18	10	5567	30
44	5524	132	16	5540	48
47	5559	141	18	5490	54
51	5562	153	23	5537	69
52	5490	156	25	5539	75
54	5500	162	38	5514	114
56	5558	168	44	5558	132
58	5534	174	54	5552	162
60	5515	180	60	5538	180
69	5567	207	63	5561	189
72	5535	216	66	5493	198
78	5494	234	68	5509	204
89	5556	267	71	5502	213
90	5502	270	77	5497	231
96	5521	288	79	5519	237
--	--	--	80	5523	240
--	--	--	85	5506	255
--	--	--	88	5562	264
--	--	--	94	5564	282
--	--	--	98	5505	294

Radar waveform #21			Radar waveform #22		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5511	15	1	5490	3
8	5516	24	8	5523	24
10	5549	30	18	5533	54
21	5505	63	21	5515	63
27	5517	81	23	5524	69
37	5493	111	24	5549	72
38	5509	114	35	5502	105
44	5567	132	40	5564	120
51	5556	153	47	5539	141
70	5560	210	49	5568	147
72	5525	216	61	5525	183
79	5552	237	67	5526	201
84	5559	252	71	5530	213
90	5523	270	72	5512	216
91	5540	273	80	5495	240
95	5543	285	86	5545	258
100	5501	300	98	5529	294
--	--	--	100	5534	300

Radar waveform #23			Radar waveform #24		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
1	5530	3	7	5552	21
2	5547	6	14	5537	42
6	5534	18	15	5548	45
10	5490	30	31	5540	93
11	5497	33	35	5523	105
22	5538	66	42	5513	126
23	5498	69	50	5546	150
29	5499	87	56	5530	168
32	5536	96	61	5496	183
35	5543	105	75	5516	225
37	5561	111	76	5533	228
42	5516	126	84	5515	252
56	5542	168	87	5518	261
60	5567	180	90	5505	270
61	5549	183	95	5508	285
64	5507	192	--	--	--
67	5519	201	--	--	--
71	5493	213	--	--	--
74	5556	222	--	--	--
82	5562	246	--	--	--
87	5533	261	--	--	--
92	5526	276	--	--	--

Radar waveform #25			Radar waveform #26		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
5	5516	15	4	5499	12
6	5497	18	5	5508	15
15	5501	45	15	5542	45
16	5494	48	18	5554	54
19	5493	57	23	5528	69
24	5534	72	28	5530	84
35	5510	105	35	5501	105
36	5524	108	39	5535	117
45	5504	135	41	5515	123
60	5543	180	42	5537	126
70	5537	210	43	5547	129
74	5562	222	49	5567	147
95	5503	285	58	5556	174
--	--	--	67	5523	201
--	--	--	73	5546	219
--	--	--	81	5538	243
--	--	--	85	5491	255
--	--	--	88	5509	264

Radar waveform #27			Radar waveform #28		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
9	5507	27	21	5490	63
18	5566	54	23	5537	69
43	5527	129	31	5518	93
52	5557	156	32	5493	96
54	5508	162	39	5524	117
56	5505	168	40	5550	120
57	5497	171	44	5523	132
59	5512	177	46	5504	138
61	5523	183	49	5552	147
66	5562	198	69	5507	207
76	5529	228	71	5519	213
85	5526	255	75	5491	225
89	5550	267	84	5521	252
91	5498	273	85	5520	255
99	5540	297	88	5529	264
--	--	--	93	5495	279
--	--	--	94	5512	282

Radar waveform #29			Radar waveform #30		
Hopping Number	Frequency (MHz)	Pulse Start (ms)	Hopping Number	Frequency (MHz)	Pulse Start (ms)
4	5496	12	8	5522	24
6	5568	18	15	5558	45
19	5522	57	24	5564	72
22	5537	66	33	5553	99
26	5499	78	40	5568	120
36	5507	108	43	5551	129
47	5517	141	57	5563	171
49	5511	147	58	5493	174
52	5518	156	60	5498	180
57	5501	171	62	5513	186
64	5550	192	64	5548	192
65	5565	195	65	5504	195
67	5502	201	68	5549	204
74	5536	222	71	5490	213
75	5557	225	73	5510	219
76	5497	228	77	5539	231
84	5510	252	82	5515	246
92	5528	276	92	5523	276
--	--	--	98	5555	294

待測物名稱	AX1800 Wi-Fi 6 訊號延伸器	溫度	27°C
測試工程師	Kevin Ker	濕度	65%
測試場地	SR2	測試日期	2020/10/28
測試項目	Radar Statistical Performance Check (802.11ax-HE20 mode – 5500MHz) (Repeater Mode)		

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	5500.0	1	16	5496.0	1
2	5500.0	1	17	5497.6	0
3	5500.0	1	18	5494.0	1
4	5500.0	1	19	5496.8	1
5	5500.0	1	20	5497.2	1
6	5500.0	1	21	5505.6	1
7	5500.0	1	22	5505.2	1
8	5500.0	1	23	5501.6	1
9	5500.0	1	24	5506.0	1
10	5500.0	1	25	5506.4	1
11	5492.8	1	26	5504.8	0
12	5496.8	1	27	5504.4	1
13	5494.0	1	28	5504.4	1
14	5496.4	1	29	5502.0	0
15	5497.6	1	30	5504.4	0
Detection Percentage (%)					86.7%

Type 5 Radar Waveform_1

Burst	Number of Pulses	Pulse Width (μ sec)	Chirp Width (MHz)	Pulse 1-to-2 PRI (μsec)	Pulse 2-to-3 PRI (μsec)	Start Location Within Interval (msec)
1	3	79.9	5	1538	1047	45.623
2	3	72.4	5	1361	1639	724.2
3	1	77.1	5			715.94
4	3	80.3	5	1928	1080	274.08
5	3	90.6	5	1220	1537	360.39
6	3	70.5	5	1184	1648	357.7
7	2	96.9	5	1193		234.13
8	1	54.3	5			281.78
9	2	84.6	5	1478		658.72
10	3	85.1	5	1956	1415	115.13
11	3	74.5	5	1812	1380	115.56
12	1	78	5			235.88
13	3	77.9	5	1493	1899	434.7
14	2	87.2	5	1644		290.2
15	3	51.4	5	1579	1424	503.1

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	91.4	14			436.511
2	2	66	14	1377		454.813
3	3	54.3	14	1941	1418	884.376
4	1	77.5	14			623.419
5	3	85.1	14	1791	1922	22.222
6	1	92.3	14			714.455
7	2	83.9	14	1581		54.938
8	3	69.8	14	1078	1361	820.152
9	3	90	14	1686	1181	409.535
10	2	73.5	14	1704		312.958
11	3	60.5	14	1034	1583	585.711
12	3	91.2	14	1295	1152	278.754
13	3	55.5	14	1139	1192	863.477

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	1	97.4	17			315.751
2	3	81.3	17	1134	1292	228.345
3	2	70.7	17	1973		144.54
4	3	68.6	17	1307	1383	127.37
5	2	69.3	17	1236		306.2
6	2	71.5	17	1499		213.95
7	2	98.6	17	1041		351.94
8	3	56.5	17	1125	1449	455.41
9	2	67.3	17	1310		175.39
10	2	96.3	17	1302		631.44
11	2	56.1	17	1722		118.78
12	2	87.5	17	1818		135.32
13	1	94.7	17			620.97
14	2	76.2	17	1431		10.59
15	2	71.7	17	1592		605.3
16	1	88.3	17			667

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	2	70.9	10	1031		519.633
2	1	60.7	10			605.823
3	2	87.7	10	1370		175.937
4	1	98.8	10			397.48
5	1	60	10			391.653
6	2	58.4	10	1484		596.537
7	2	90.2	10	1168		480.01
8	2	65.3	10	1317		340.973
9	1	69.9	10			471.927
10	3	56	10	1574	1445	484.45
11	3	89.4	10	1556	1984	132.503
12	2	66.7	10	1626		189.497
13	1	60.9	10			73.47
14	3	88.2	10	1716	1897	648.973
15	2	79.5	10	1207		623.027
16	2	53.7	10	1030		181.2
17	3	73.7	10	1383	1295	475.233
18	2	89.7	10	1070		83.367

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	75.6	19	1270		273.527
2	1	77.9	19			536.863
3	3	50.1	19	1457	1226	558.617
4	1	77.9	19			259.88
5	2	95.7	19	1153		122.633
6	2	97.5	19	1599		293.867
7	3	57.7	19	1723	1128	586.67
8	1	82.3	19			286.443
9	1	92.6	19			207.827
10	2	59.5	19	1841		154.93
11	2	75.8	19	1691		641.373
12	2	53.9	19	1370		513.857
13	1	61.6	19			547.87
14	1	79.7	19			551.053
15	2	99.4	19	1449		131.767
16	2	72.3	19	1181		129.9
17	2	74.6	19	1367		645.133
18	2	84.4	19	1449		134.467

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	2	53.2	11	1081		237.786
2	3	52.2	11	1964	1171	356.773
3	1	69.1	11			59.547
4	2	96.5	11	1947		354.93
5	2	95.4	11	1269		487.113
6	1	55.9	11			519.507
7	2	88.5	11	1780		403.96
8	2	70.6	11	1488		72.973
9	2	90.8	11	1989		551.877
10	3	78.9	11	1077	1104	49.84
11	1	89.6	11			86.513
12	2	92.5	11	1646		187.717
13	3	70.3	11	1595	1729	306.2
14	2	73.9	11	1631		442.803
15	3	53.4	11	1362	1720	311.527
16	3	80.5	11	1150	1260	266.4
17	1	80.8	11			505.433
18	1	51.1	11			585.067

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	1	53.3	17			586.671
2	1	93.9	17			71.68
3	3	90.7	17	1070	1615	748.41
4	1	83.8	17			853.53
5	3	76.4	17	1313	1453	247.26
6	1	71.1	17			149.52
7	2	80.4	17	1701		573.65
8	2	81.8	17	1012		268.3
9	1	76.9	17			129.66
10	1	72.3	17			735.5

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	82	5	1234		365.958
2	3	63.6	5	1523	1632	369.943
3	3	91.1	5	1717	1389	221.13
4	2	79.7	5	1286		89.67
5	2	98.6	5	1602		427.17
6	1	90.6	5			16.7
7	2	85.8	5	1176		184.89
8	2	65.2	5	1608		26.88
9	3	89.6	5	1043	1026	381.45
10	3	93.6	5	1406	1350	439.16
11	2	66.7	5	1956		123.04
12	2	53.3	5	1210		110.11
13	1	96.3	5			311.27
14	1	98.1	5			67.18
15	2	60.1	5	1447		96.31
16	2	81.6	5	1568		467.46
17	2	89.6	5	1968		48.31
18	1	88	5			490.5
19	1	71.5	5			60.2
20	3	68.9	5	1621	1928	530.1

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	1	82.7	15			318.744
2	2	82.2	15	1364		448.64
3	3	62.4	15	1399	1804	492.29
4	2	74.3	15	1010		178.1
5	2	88.5	15	1116		203.35
6	3	88.8	15	1997	1127	573.94
7	1	51.7	15			331.23
8	2	84.7	15	1348		674.55
9	1	76.2	15			299.25
10	2	65	15	1584		462.76
11	2	51.4	15	1665		195.5
12	2	55.4	15	1762		40.75
13	2	99.3	15	1409		113.33
14	2	69.2	15	1052		38.7
15	1	68.5	15			341.2

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	2	78.3	15	1046		253.916
2	2	50.9	15	1671		555.74
3	2	68.5	15	1145		142.37
4	1	81.8	15			323.84
5	2	60.4	15	1386		529.19
6	2	92.8	15	1353		259.79
7	2	87.3	15	1722		580.54
8	3	81	15	1100	1901	283.07
9	1	85.2	15			530.32
10	2	90.3	15	1303		432.01
11	1	59.4	15			421.69
12	1	75.8	15			548.52
13	1	78.3	15			6.25
14	1	93.3	15			234.82
15	2	71.4	15	1938		12.28
16	2	51.4	15	1740		582.79
17	2	86.5	15	1538		307.05
18	2	89.7	15	1300		438.1
19	1	73	15			25.3
20	3	91.1	15	1893	1527	172.2

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	3	95.3	6	1905	1485	259.212
2	2	74.1	6	1505		89.063
3	2	55.6	6	1049		89.916
4	1	54	6			667.689
5	1	75.2	6			749.282
6	2	88.1	6	1787		818.585
7	3	90.6	6	1008	1550	674.668
8	3	58.1	6	1076	1453	133.022
9	2	63.8	6	1013		851.345
10	3	98.7	6	1727	1059	897.128
11	1	72.9	6			773.531
12	3	64.4	6	1688	1121	431.654
13	2	54	6	1113		23.677

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	2	76	16	1174		53.658
2	2	73.6	16	1038		603.48
3	2	76.3	16	1202		207.98
4	2	53.2	16	1208		439.26
5	2	98.4	16	1115		597.1
6	2	85.3	16	1606		612.97
7	2	86.1	16	1157		655.43
8	1	92.5	16			338.68
9	2	78.6	16	1645		476.07
10	2	56.3	16	1779		329.68
11	2	68.1	16	1432		219.75
12	2	52.8	16	1413		508.27
13	1	67.3	16			225.43
14	2	80.5	16	1572		301.3
15	2	85	16	1979		686.3
16	1	75	16			704.9

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	52.8	9	1453		440.894
2	2	85.1	9	1927		274.79
3	2	80.5	9	1079		490.25
4	2	99.9	9	1572		383.95
5	3	57.5	9	1445	1515	258.48
6	3	55.2	9	1233	1516	541.27
7	3	99.9	9	1346	1109	616.22
8	2	92.4	9	1194		670.07
9	2	93.1	9	1511		21.56
10	2	51	9	1405		334.15
11	3	65	9	1748	1079	80.31
12	2	92.2	9	1819		684.59
13	3	75.3	9	1694	1088	287.24
14	2	54.9	9	1291		203.5
15	1	96.7	9			226.7

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	3	65	15	1403	1877	533.004
2	2	53.6	15	1147		738.03
3	3	72.8	15	1856	1323	118.26
4	2	62.8	15	1326		126.61
5	2	71.3	15	1373		1.13
6	1	78.2	15			28.35
7	3	77.8	15	1035	1882	695.34
8	3	97.1	15	1273	1414	892.76
9	1	64.5	15			788.67
10	2	93.6	15	1775		684.83
11	2	75.3	15	1264		454.3
12	1	81.8	15			939

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	3	75	18	1593	1469	399.742
2	3	65.3	18	1319	1595	55.17
3	2	63	18	1390		975.11
4	2	85.1	18	1620		1085.34
5	3	95.8	18	1165	1747	112
6	1	64.1	18			939.04
7	3	88.4	18	1253	1462	958.64
8	2	86.4	18	1596		819.79
9	2	70.3	18	1980		267.19
10	1	92.4	18			670.3

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	2	63.4	14	1617		16.375
2	2	56.9	14	1834		67.58
3	3	79.7	14	1046	1773	465.2
4	3	94.7	14	1684	1358	61.87
5	1	79.5	14			543.3
6	3	53.5	14	1221	1605	93.6
7	2	61	14	1734		121.09
8	2	94.6	14	1151		419.87
9	2	69.5	14	1907		431.2
10	2	53.5	14	1804		20.14
11	2	79.8	14	1622		138.06
12	1	72.2	14			247.13
13	1	71.2	14			391.76
14	1	60.8	14			546.18
15	2	58.5	14	1669		435.28
16	2	59.5	14	1986		334.14
17	2	51	14	1034		286.5
18	2	64	14	1059		158.1
19	2	89.1	14	1931		200.6
20	3	89.8	14	1573	1227	294.1

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	3	94.6	18	1824	1989	372.61
2	2	81.6	18	1326		2.282
3	3	84.6	18	1983	1256	842.086
4	1	85	18			97.079
5	1	60.9	18			301.782
6	2	81	18	1778		428.675
7	2	85.3	18	1522		559.148
8	2	66.3	18	1732		1.232
9	2	86.2	18	1352		366.275
10	1	96.8	18			822.688
11	2	59.6	18	1305		284.391
12	1	95.7	18			391.454
13	1	85.1	18			80.977

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	88	9			536.992
2	2	84.2	9	1018		418.388
3	2	64	9	1121		200.245
4	3	88.4	9	1924	1550	631.303
5	1	89.4	9			593.111
6	3	50.7	9	1802	1317	579.378
7	1	78.7	9			457.206
8	2	72.2	9	1555		104.054
9	2	90.3	9	1613		505.381
10	3	55	9	1970	1023	373.079
11	2	64.5	9	1788		75.446
12	3	63	9	1401	1149	103.584
13	2	61.5	9	1252		470.072
14	2	57.9	9	1168		120.809
15	1	87.3	9			437.147
16	1	52.7	9			674.265
17	3	83	9	1894	1776	232.082

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	3	98.6	16	1600	1183	107.905
2	1	96.8	16			142.171
3	3	52.2	16	1589	1928	348.12
4	2	57.3	16	1770		694.27
5	1	99.9	16			739.52
6	2	65.7	16	1563		265.49
7	3	60.2	16	1571	1141	28.6
8	1	83.5	16			401.5
9	2	59.5	16	1294		173.35
10	2	73.1	16	1498		674.94
11	1	83.1	16			208.5
12	1	53.6	16			472.83
13	3	94.8	16	1227	1804	210
14	1	66.9	16			258.4
15	2	87.7	16	1033		102.8
16	1	58	16			375.5

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	71.9	17	1696		483.42
2	3	86.7	17	1981	1269	656.887
3	2	82.1	17	1730		65.264
4	3	94.4	17	1370	1550	785.311
5	1	89.5	17			90.989
6	3	64.2	17	1323	1719	362.566
7	1	73.4	17			487.273
8	1	58.3	17			524.28
9	1	64	17			78.257
10	2	74.4	17	1627		568.684
11	3	98.2	17	1201	1611	371.391
12	2	96.1	17	1218		320.259
13	1	69.9	17			288.386
14	1	97.3	17			11.243

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	3	79.6	10	1742	1589	622.515
2	2	76.6	10	1279		321.773
3	2	53.5	10	1015		610.516
4	2	90.9	10	1030		676.339
5	2	50.2	10	1354		893.812
6	1	99.8	10			369.125
7	2	86.8	10	1546		55.208
8	2	56.7	10	1348		233.742
9	1	76.2	10			745.865
10	1	74.2	10			23.958
11	2	85.7	10	1980		68.651
12	1	86	10			113.954
13	3	61.3	10	1605	1835	473.377

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	65.6	11	1484		134.217
2	2	88.8	11	1157		548.67
3	1	94.2	11			387.51
4	1	66.3	11			517.23
5	2	50.1	11	1452		585.71
6	3	95.9	11	1407	1017	115.83
7	2	83.4	11	1046		335.63
8	2	54.4	11	1510		178.74
9	2	59.7	11	1594		455.87
10	2	59	11	1370		120.14
11	1	70.5	11			159.54
12	2	60.2	11	1643		222.7
13	2	59.3	11	1701		550.57
14	1	69.9	11			400.35
15	2	82.2	11	1434		169.04
16	2	92	11	1527		226.59
17	2	88.6	11	1451		457.3
18	3	68.1	11	1075	1306	459.1
19	2	59.7	11	1102		553.6
20	2	74.1	11	1591		479.1

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	3	92.4	20	1462	1450	506.831
2	2	83.2	20	1177		592.008
3	2	70.9	20	1412		136.225
4	1	63.4	20			286.403
5	2	92.2	20	1693		549.671
6	2	81.5	20	1452		478.328
7	1	89.6	20			394.986
8	2	91.6	20	1434		402.624
9	1	60	20			640.361
10	2	99.4	20	1206		182.399
11	2	78	20	1310		134.286
12	1	88.8	20			70.624
13	2	61	20	1586		609.182
14	2	62.5	20	1997		552.489
15	2	64.9	20	1122		632.947
16	2	83.5	20	1077		439.565
17	2	63.8	20	1053		680.482

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	1	86.7	9			234.458
2	1	90.7	9			307.9
3	2	60.1	9	1204		342.93
4	1	70.3	9			262.99
5	3	95.7	9	1469	1910	353.8
6	2	75.9	9	1992		400.9
7	3	98.3	9	1328	1030	957.36
8	2	84.5	9	1226		921.71
9	2	64.2	9	1238		774.1
10	1	98.5	9			366.44
11	3	88.8	9	1918	1201	273.7
12	3	70.3	9	1940	1465	533.8

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	67.7	8	1295		309.821
2	2	84.8	8	1913		752.937
3	2	51.8	8	1433		130.043
4	2	58	8	1829		1306.9
5	3	68.8	8	1311	1596	10.727
6	2	57.4	8	1131		856.533
7	2	72.5	8	1083		1318.56
8	2	62.6	8	1663		470.587
9	2	58.4	8	1638		1186.333

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	88.1	12	1351	1200	67.907
2	1	89.7	12			177.52
3	3	89.6	12	1603	1048	396.84
4	3	53.8	12	1319	1445	967.75
5	2	64.8	12	1826		444.53
6	1	86.1	12			665.03
7	3	54.5	12	1716	1059	118.77
8	2	75.5	12	1586		282.89
9	1	53.8	12			348.2
10	3	52.5	12	1681	1317	763.16
11	3	74	12	1643	1631	543.7
12	3	93	12	1147	1427	430.7

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	60.2	13	1147		480.154
2	2	58.9	13	1707		517.401
3	2	63.5	13	1793		571.122
4	2	80.6	13	1058		239.613
5	2	77.6	13	1069		617.784
6	2	100	13	1364		137.795
7	2	89.6	13	1532		498.506
8	3	60.7	13	1238	1363	146.737
9	1	58.5	13			19.248
10	2	77.5	13	1322		264.569
11	3	86.1	13	1389	1125	355.211
12	2	93.1	13	1276		132.292
13	1	77.2	13			288.133
14	1	71.5	13			391.764
15	1	77.1	13			443.465
16	1	61.3	13			401.366
17	2	64.3	13	1595		217.537
18	2	50.6	13	1306		50.858
19	1	92.6	13			378.179

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	3	64.1	13	1750	1869	713.269
2	2	98	13	1685		824.85
3	1	66.3	13			608.1
4	2	76.2	13	1172		879.6
5	2	79.6	13	1356		284.5
6	3	62.6	13	1139	1746	884.7
7	1	95	13			215.18
8	2	79.1	13	1145		980.47
9	1	75	13			430.08
10	2	56.5	13	1999		412.42
11	2	60.6	13	1761		327.3
12	2	90.2	13	1553		943.6

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	2	69.2	19	1089		126.267
2	2	51.4	19	1982		930.77
3	3	51.9	19	1306	1008	1042.58
4	2	86.6	19	1168		349.25
5	3	54.2	19	1240	1668	682.35
6	3	68.2	19	1132	1168	448.6
7	1	51.3	19			606.62
8	3	50.6	19	1734	1099	469.53
9	2	64.7	19	1745		166.31
10	2	51.3	19	1121		671

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	77.4	13	1873		102.499
2	3	65.6	13	1235	1494	193.49
3	1	61.2	13			80.53
4	3	82.4	13	1214	1675	944.69
5	3	74	13	1242	1347	395.09
6	2	96.9	13	1967		632.32
7	3	59.4	13	1859	1546	807.87
8	2	98.8	13	1999		491.64
9	2	83.5	13	1390		43.1
10	1	76.3	13			726.42
11	2	92.6	13	1062		181.8
12	2	71.4	13	1431		315.5

待測物名稱	AX1800 Wi-Fi 6 訊號延伸器	溫度	27°C
測試工程師	Kevin Ker	濕度	65%
測試場地	SR2	測試日期	2020/04/08
測試項目	Radar Statistical Performance Check (802.11ax-HE40 mode – 5510MHz) (Repeater Mode)		

Radar Type 3 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491.0	8.4	305	18	1
2	5492.3	7.7	214	17	1
3	5493.5	9.9	398	17	0
4	5494.8	6.7	403	18	0
5	5496.1	6.5	274	17	1
6	5497.3	8.4	457	17	0
7	5498.6	7.8	280	17	1
8	5500.0	8.9	493	17	0
9	5501.3	9.7	257	18	1
10	5502.5	9.2	406	16	1
11	5503.8	7.5	293	17	0
12	5505.1	8.2	257	17	1
13	5506.4	9.1	397	16	1
14	5507.6	7.0	313	17	0
15	5508.9	7.3	416	16	1
16	5510.0	8.4	335	17	1
17	5511.3	9.5	393	16	1
18	5512.6	9.0	446	16	1
19	5513.9	6.5	477	17	0
20	5515.2	9.1	221	18	1
21	5516.5	8.0	389	18	1
22	5517.9	9.8	356	17	1
23	5519.2	10.0	441	16	1
24	5520.5	6.0	382	17	1
25	5521.8	9.8	407	16	1
26	5523.0	7.7	278	17	1
27	5524.3	8.8	468	17	0
28	5525.6	9.8	320	17	1
29	5526.9	6.0	388	17	0

30	5529.0	8.7	396	17	1
Detection Percentage (%)					70%

待測物名稱	AX1800 Wi-Fi 6 訊號延伸器	溫度	待測物名稱
測試工程師	Kevin Ker	濕度	測試工程師
測試場地	SR2	測試日期	測試場地
測試項目	Radar Statistical Performance Check (802.11ax-HE80 mode – 5530MHz) (Repeater Mode)		

Radar Type 1 - Radar Statistical Performance

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
1	5491.0	1	638	83	1
2	5494.5	1	898	59	1
3	5498.1	1	658	81	1
4	5501.6	1	778	68	1
5	5505.2	1	718	74	1
6	5508.7	1	798	67	1
7	5512.3	1	758	70	1
8	5515.3	1	938	57	1
9	5518.9	1	698	76	1
10	5522.4	1	818	65	1
11	5526.0	1	838	63	1
12	5529.5	1	878	61	1
13	5530.0	1	538	98	1
14	5532.5	1	598	89	1
15	5534.0	1	738	72	1
16	5536.5	1	612	87	1
17	5539.0	1	1394	38	1
18	5541.6	1	1135	47	1
19	5544.1	1	2368	23	1
20	5546.0	1	2246	24	1
21	5548.5	1	2296	23	1
22	5551.0	1	2849	19	1
23	5553.5	1	2727	20	1
24	5556.1	1	2088	26	1
25	5558.6	1	808	66	1
26	5561.1	1	1594	34	1

Trail #	Test Freq. (MHz)	Pulse Width (us)	PRI (us)	Pulses / Burst	1=Detection 0=No Detection
27	5563.6	1	2621	21	0
28	5566.1	1	1706	31	1
29	5568.7	1	1599	33	1
30	5569.0	1	1201	44	1
Detection Percentage (%)					96.7%

結束