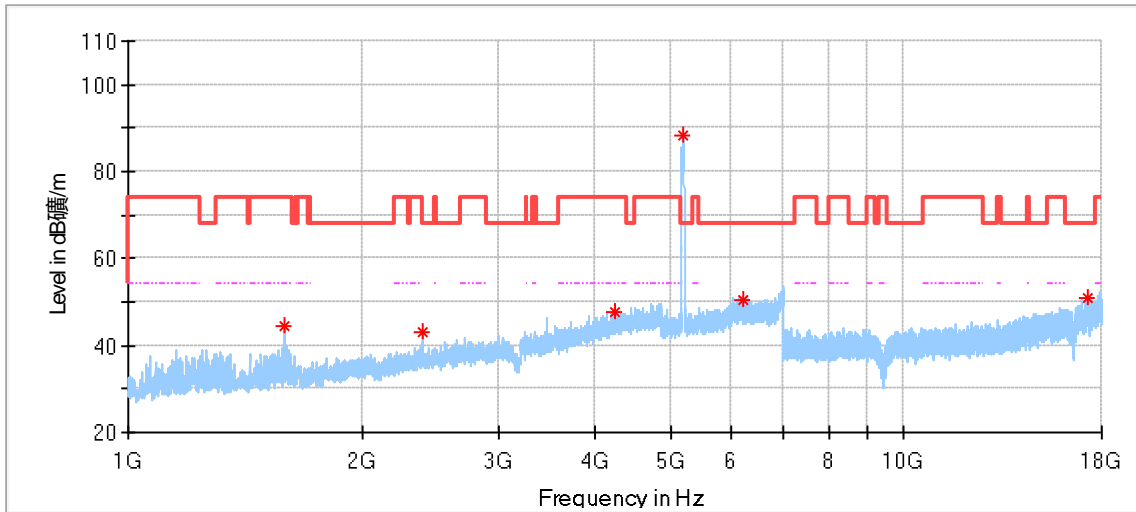
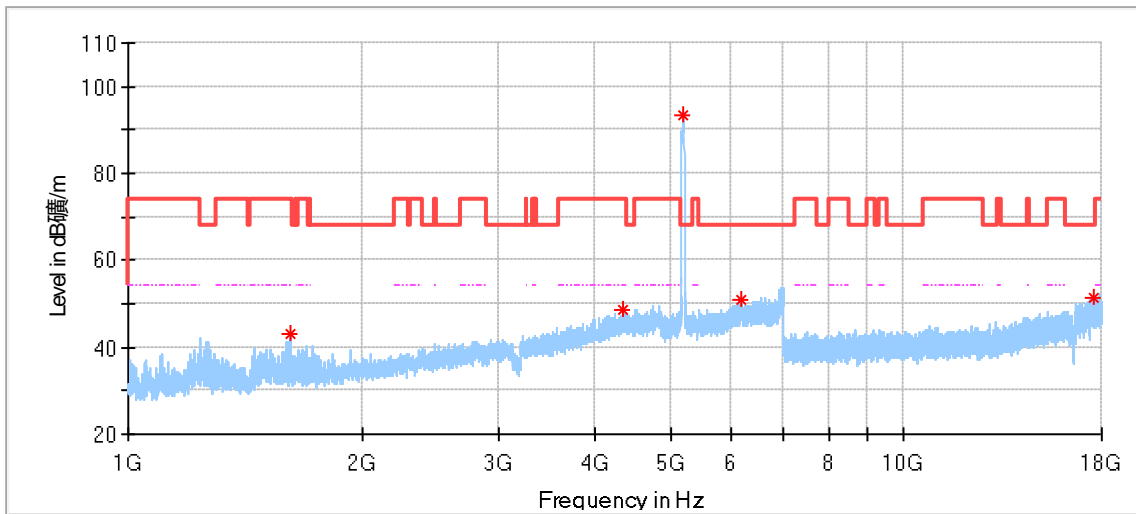


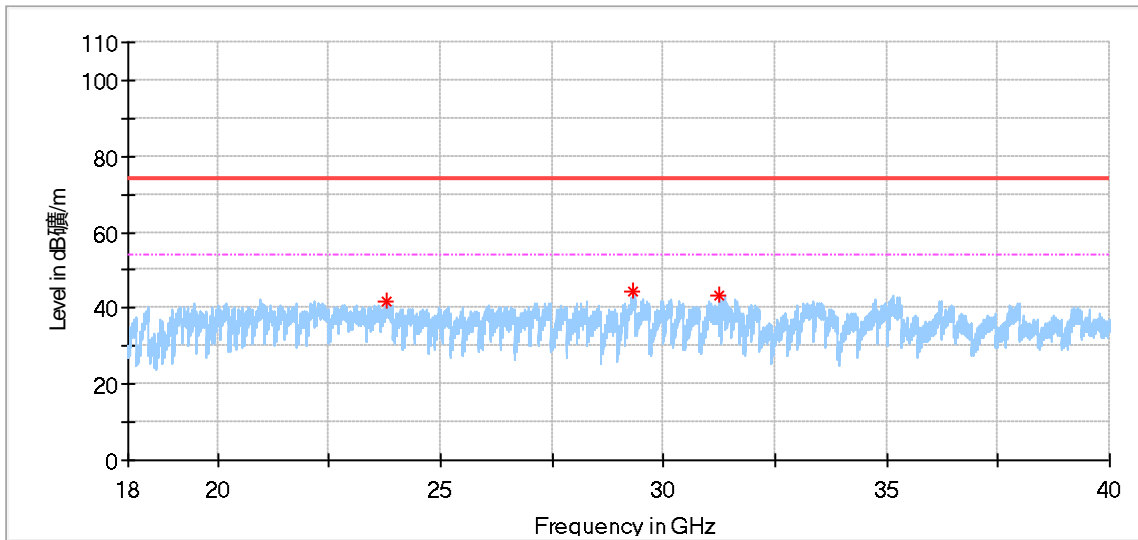
802.11N40 Modulation 5190MHz Test Result



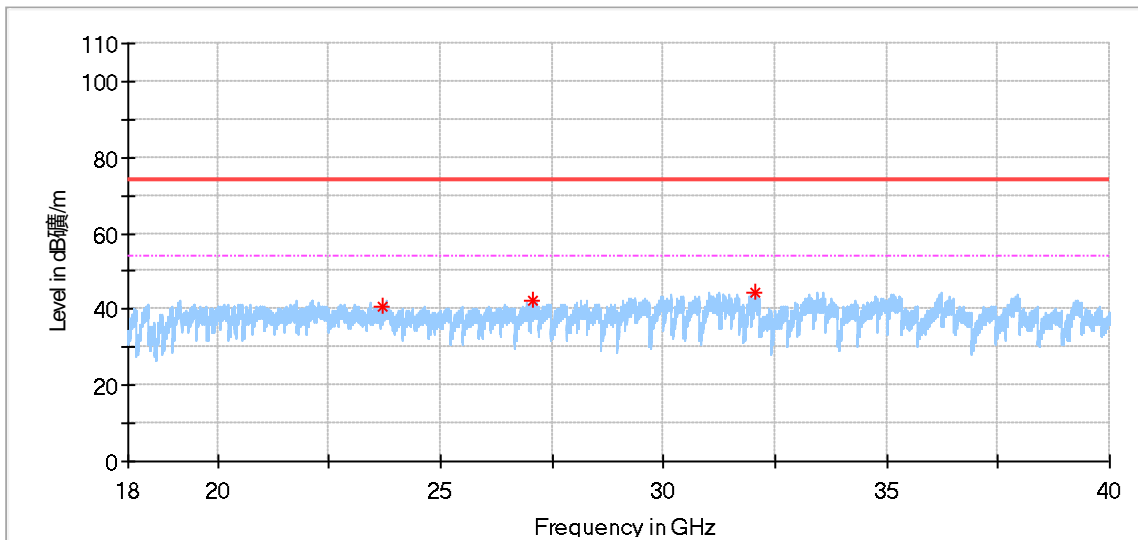
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1593.000000	44.40	74.00	29.60	150.0	H	12.0	-11.3
2393.000000	43.17	68.20	25.03	150.0	H	345.0	-7.6
4236.000000	47.80	74.00	26.20	150.0	H	239.0	0.9
6194.500000	50.60	68.20	17.60	150.0	H	261.0	4.9
17305.000000	50.79	68.20	17.41	150.0	H	53.0	17.8



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1616.000000	43.23	74.00	30.77	150.0	V	21.0	-11.2
4340.500000	48.39	74.00	25.61	150.0	V	13.0	1.1
6189.000000	50.82	68.20	17.38	150.0	V	151.0	4.7
17627.500000	51.57	68.20	16.63	150.0	V	104.0	18.3

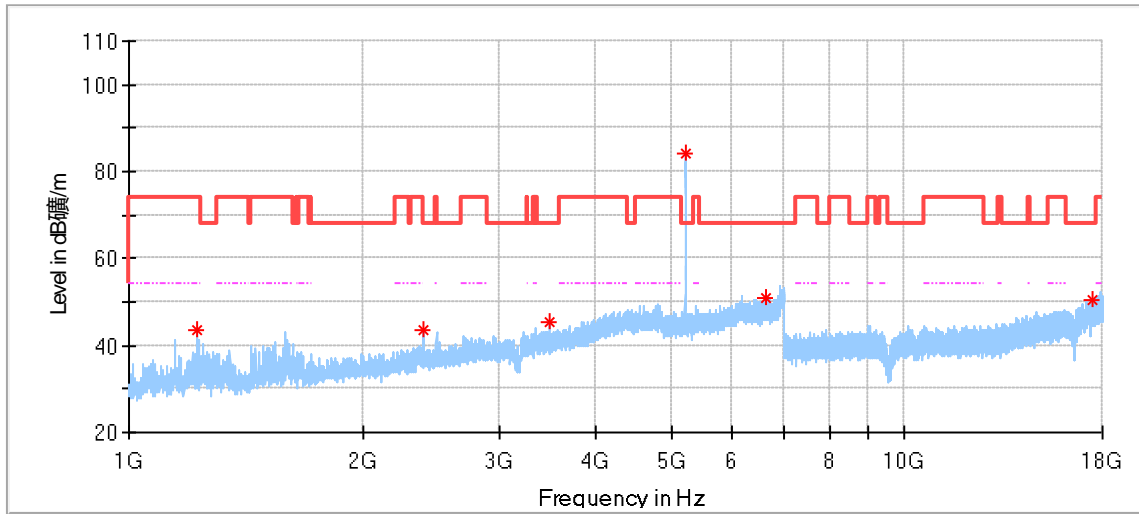


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23772.250000	41.62	74.00	32.38	---	---	154.0	H	22.0	1.2
29307.312500	44.46	74.00	29.54	---	---	154.0	H	0.0	2.4
31247.437500	43.15	74.00	30.85	---	---	154.0	H	0.0	2.6

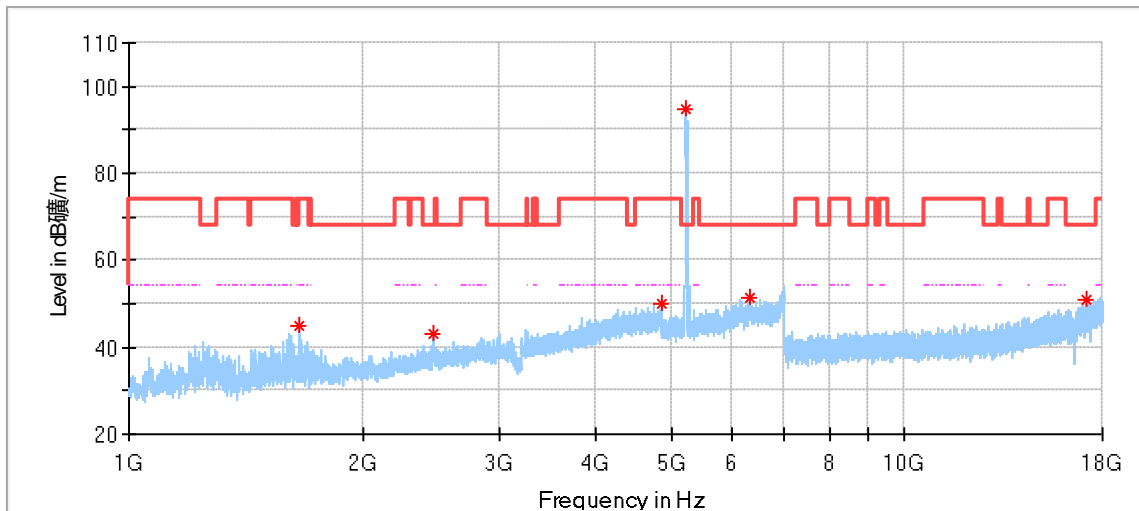


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23723.437500	40.89	74.00	33.11	---	---	154.0	V	60.0	0.5
27090.812500	42.41	74.00	31.59	---	---	154.0	V	236.0	1.2
32053.875000	44.48	74.00	29.52	---	---	154.0	V	2.0	2.4

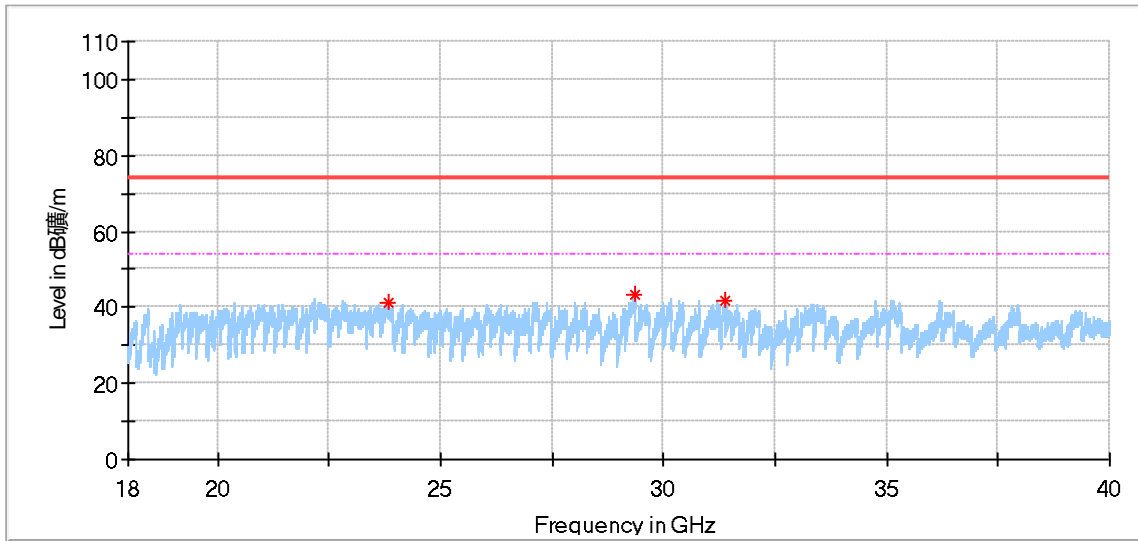
802.11N40 Modulation 5230MHz Test Result



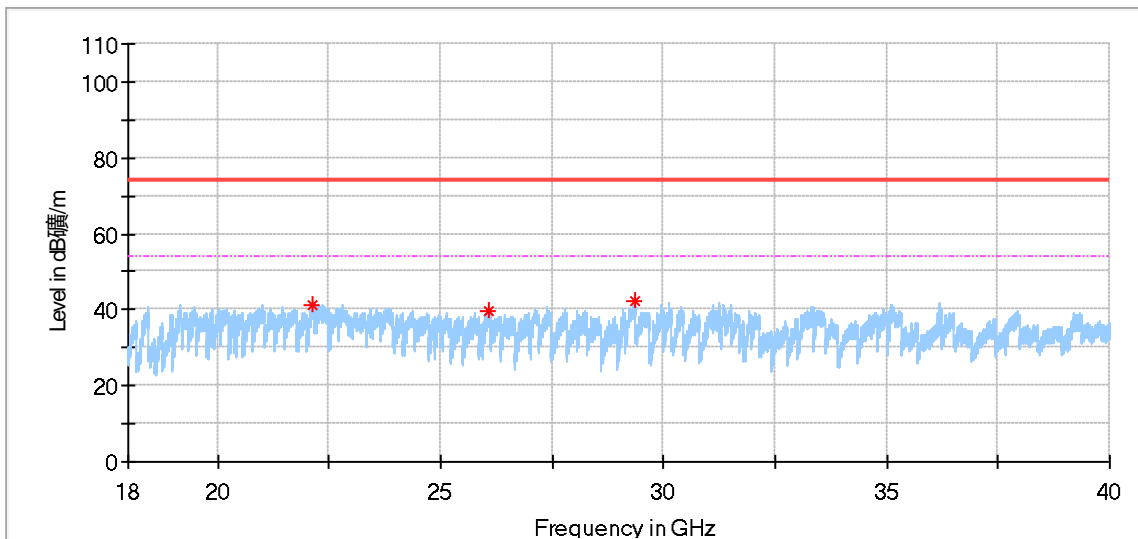
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1223.000000	43.39	74.00	30.61	150.0	H	32.0	-13.3
2398.000000	43.71	68.20	24.49	150.0	H	109.0	-7.6
3487.000000	45.51	68.20	22.69	150.0	H	302.0	-3.0
6614.000000	51.09	68.20	17.11	150.0	H	355.0	5.9
17475.500000	50.51	68.20	17.69	150.0	H	32.0	18.1



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1657.500000	44.88	68.20	23.32	150.0	V	6.0	-11.0
2466.000000	43.26	68.20	24.94	150.0	V	32.0	-7.3
4854.000000	49.90	74.00	24.10	150.0	V	276.0	2.0
6332.000000	51.18	68.20	17.02	150.0	V	117.0	4.8
17201.500000	50.74	68.20	17.47	150.0	V	98.0	17.9

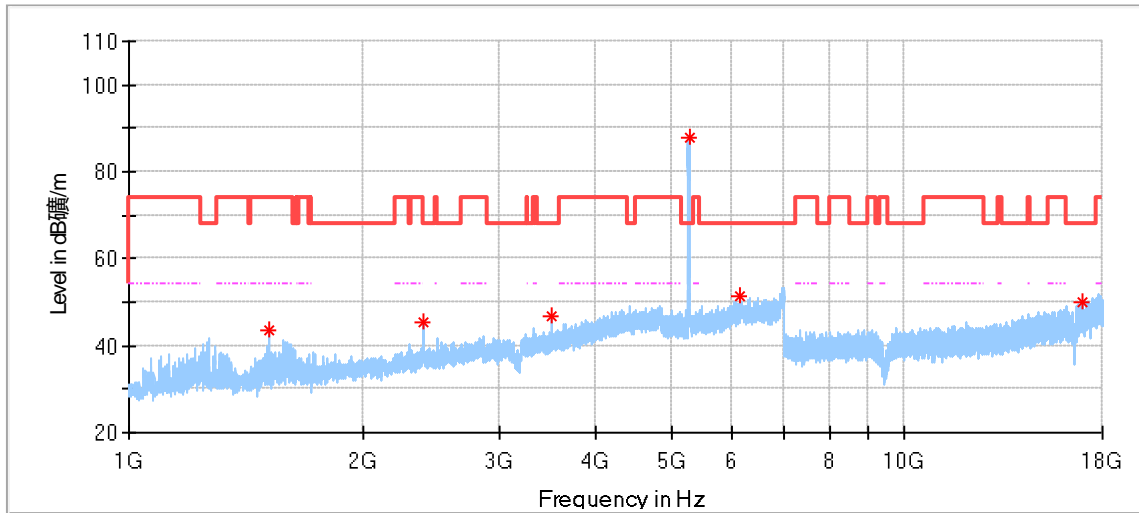


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23818.312500	41.22	74.00	32.78	---	---	154.0	H	0.0	1.1
29347.875000	43.12	74.00	30.88	---	---	154.0	H	158.0	2.4
31377.375000	41.63	74.00	32.37	---	---	154.0	H	0.0	2.7

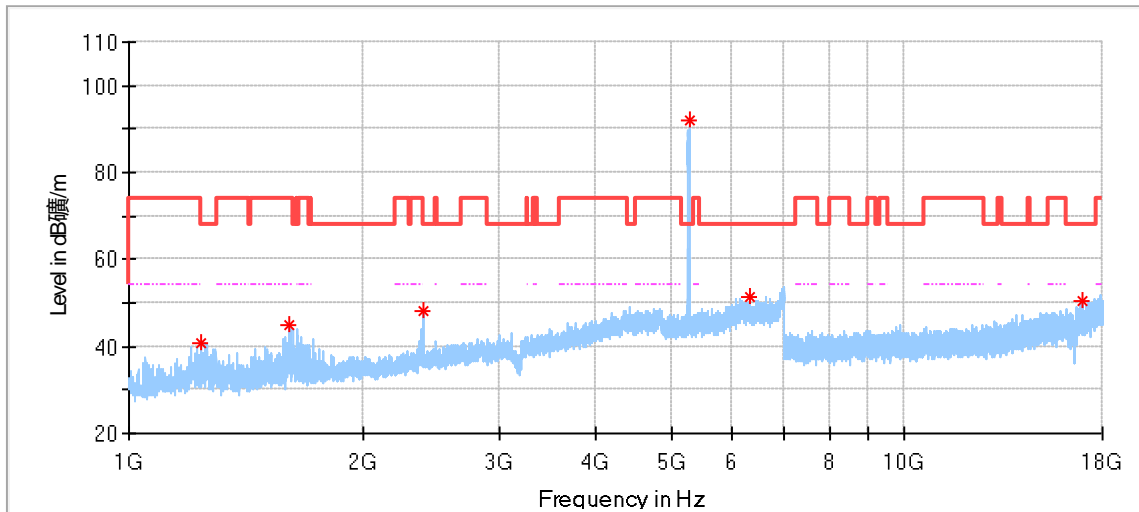


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
22142.187500	41.50	74.00	32.50	---	---	154.0	V	0.0	0.3
26092.562500	39.55	74.00	34.45	---	---	154.0	V	14.0	0.6
29360.250000	42.26	74.00	31.74	---	---	154.0	V	50.0	1.5

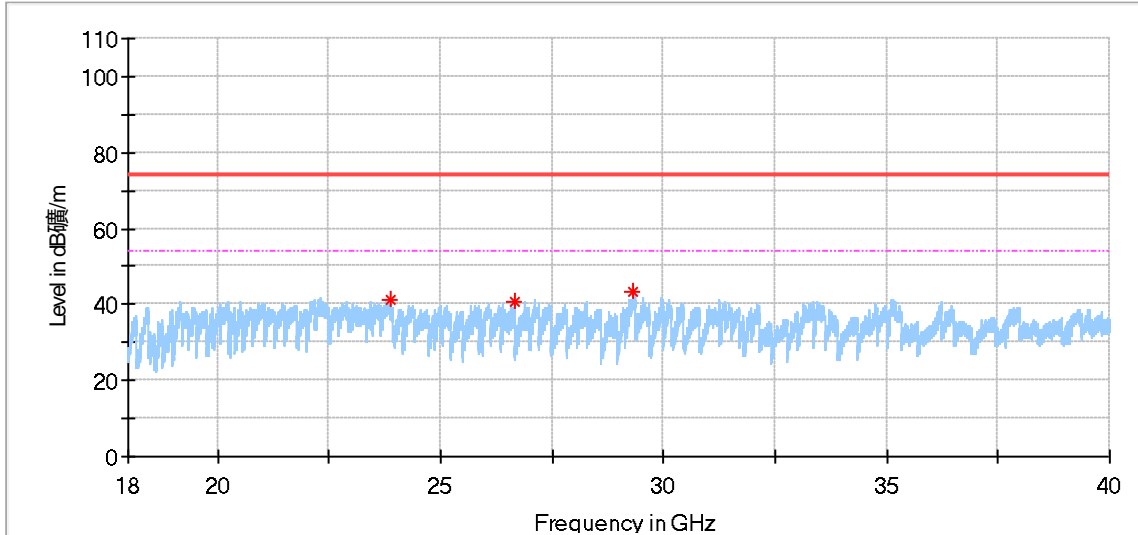
802.11N40 Modulation 5270MHz Test Result



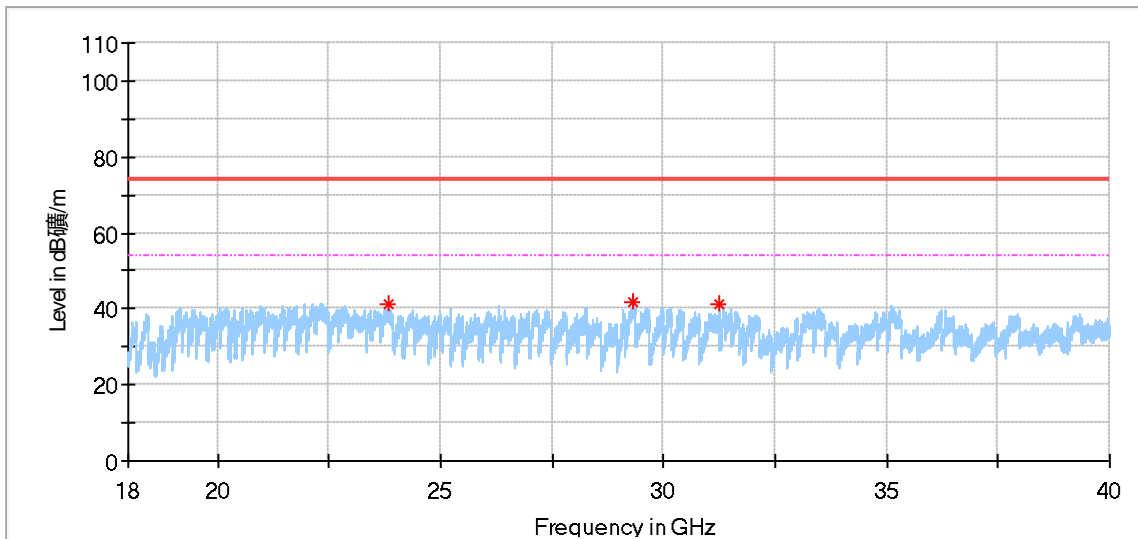
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1519.000000	43.33	74.00	30.68	150.0	H	5.0	-11.8
2396.000000	45.28	68.20	22.92	150.0	H	12.0	-7.6
3513.500000	46.87	68.20	21.33	150.0	H	289.0	-2.9
6148.000000	51.23	68.20	16.97	150.0	H	109.0	3.8
16984.500000	49.97	68.20	18.23	150.0	H	157.0	16.6



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1239.500000	40.58	74.00	33.42	150.0	V	342.0	-13.3
1611.000000	45.15	74.00	28.85	150.0	V	20.0	-11.2
2391.500000	48.05	68.20	20.15	150.0	V	195.0	-7.6
6330.500000	51.44	68.20	16.76	150.0	V	202.0	4.8
16922.500000	50.52	68.20	17.68	150.0	V	201.0	16.7

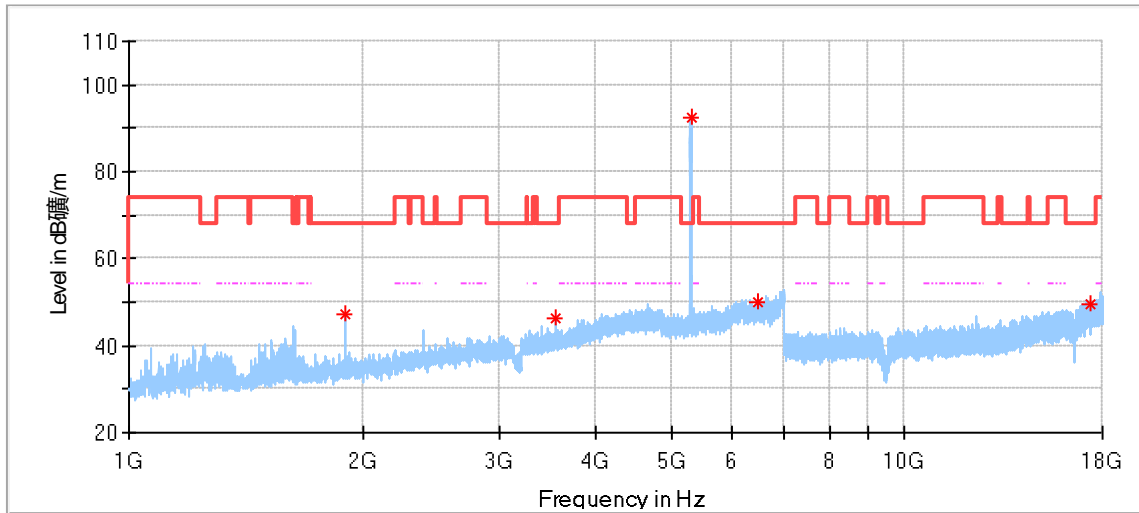


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23865.062500	41.42	74.00	32.58	---	---	154.0	H	108.0	1.0
26661.125000	40.84	74.00	33.16	---	---	154.0	H	0.0	2.4
29334.125000	43.42	74.00	30.58	---	---	154.0	H	2.0	2.4

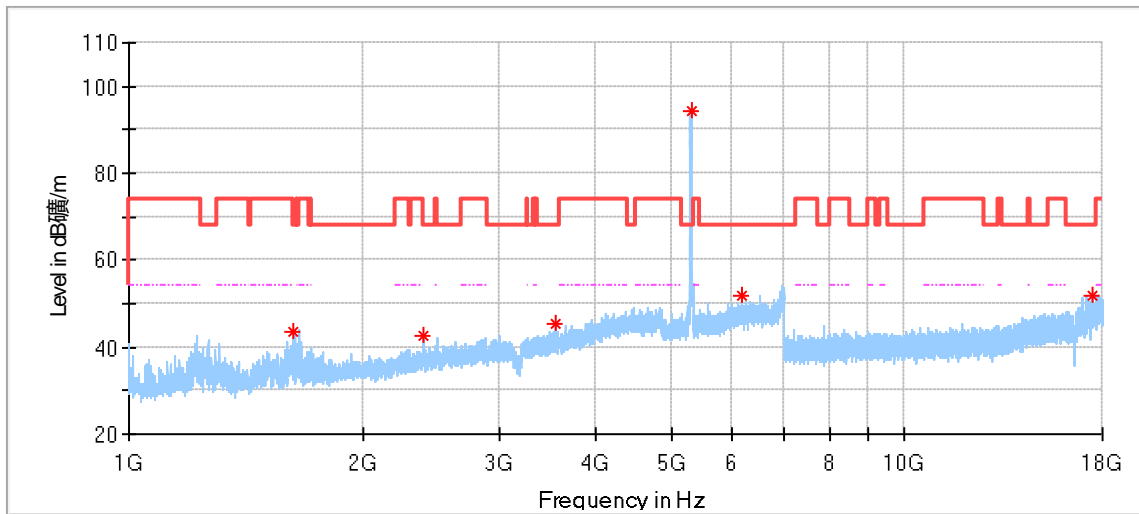


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23814.875000	41.06	74.00	32.94	---	---	154.0	V	131.0	0.4
29327.250000	41.85	74.00	32.15	---	---	154.0	V	83.0	1.5
31244.687500	41.00	74.00	33.00	---	---	154.0	V	0.0	2.0

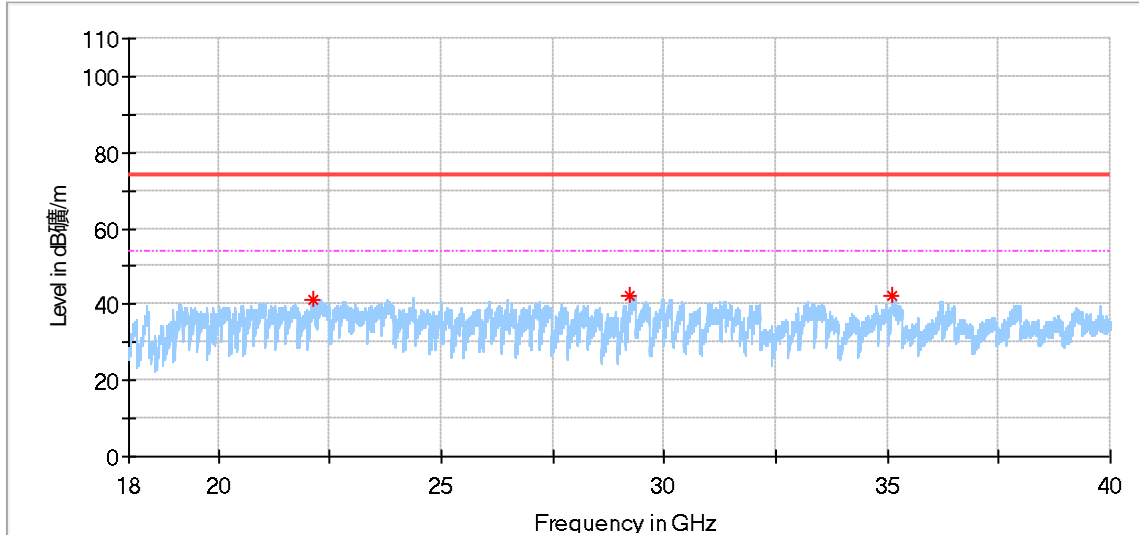
802.11N40 Modulation 5310MHz Test Result



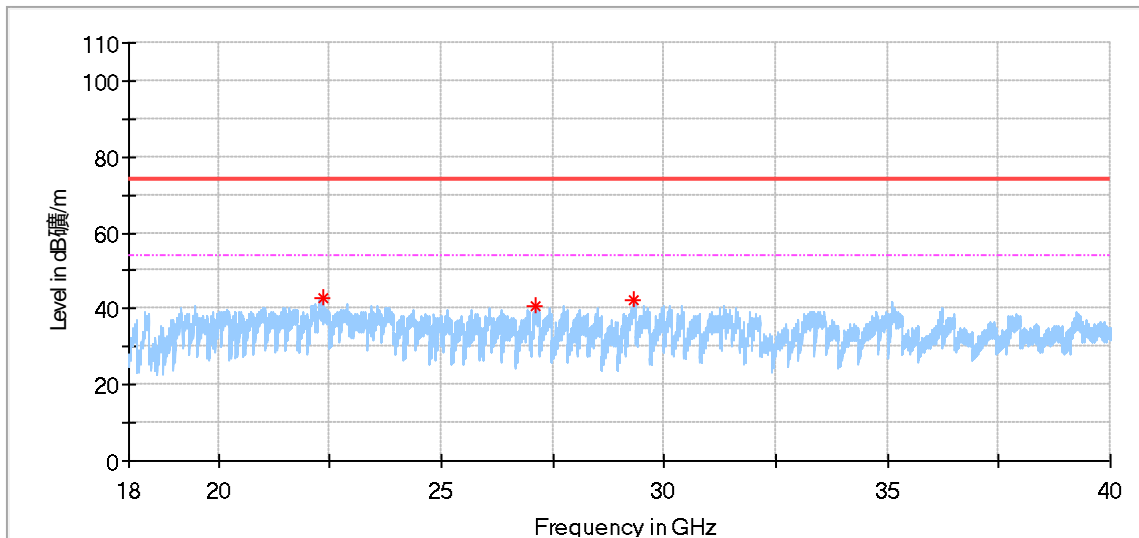
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1905.000000	47.08	68.20	21.12	150.0	H	307.0	-9.6
3540.500000	46.46	68.20	21.74	150.0	H	293.0	-2.5
6478.500000	50.13	68.20	18.07	150.0	H	225.0	5.1
17370.500000	49.73	68.20	18.47	150.0	H	184.0	17.9



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1624.500000	43.74	74.00	30.26	150.0	V	6.0	-11.1
2394.000000	42.71	68.20	25.49	150.0	V	120.0	-7.6
3540.500000	45.44	68.20	22.76	150.0	V	283.0	-2.5
6169.500000	51.76	68.20	16.44	150.0	V	128.0	4.3
17447.000000	51.89	68.20	16.31	150.0	V	356.0	18.0



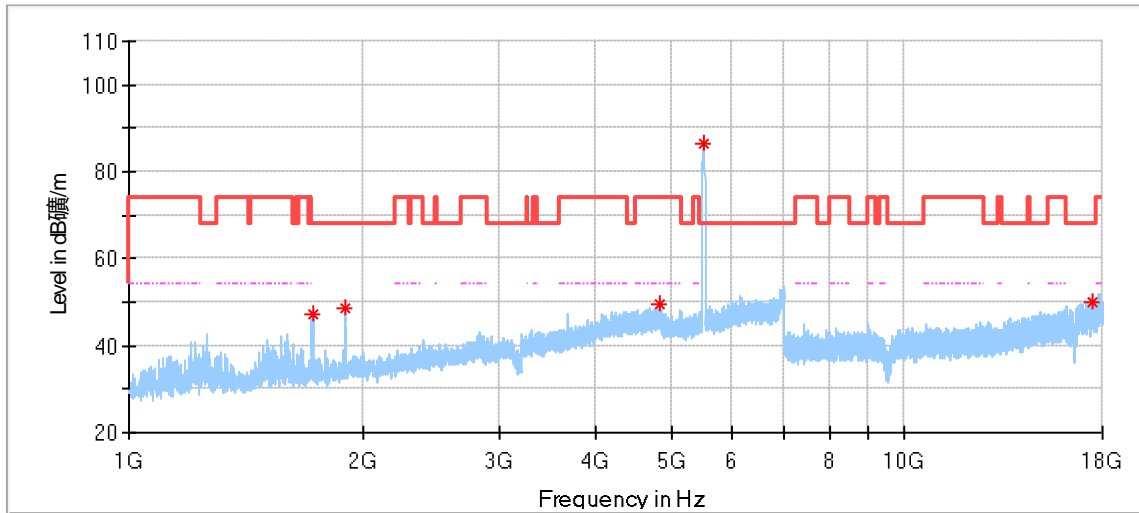
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
22114.687500	41.00	74.00	33.00	---	---	154.0	H	286.0	0.3
29227.562500	42.47	74.00	31.53	---	---	154.0	H	0.0	2.3
35118.062500	42.11	74.00	31.89	---	---	154.0	H	0.0	4.4



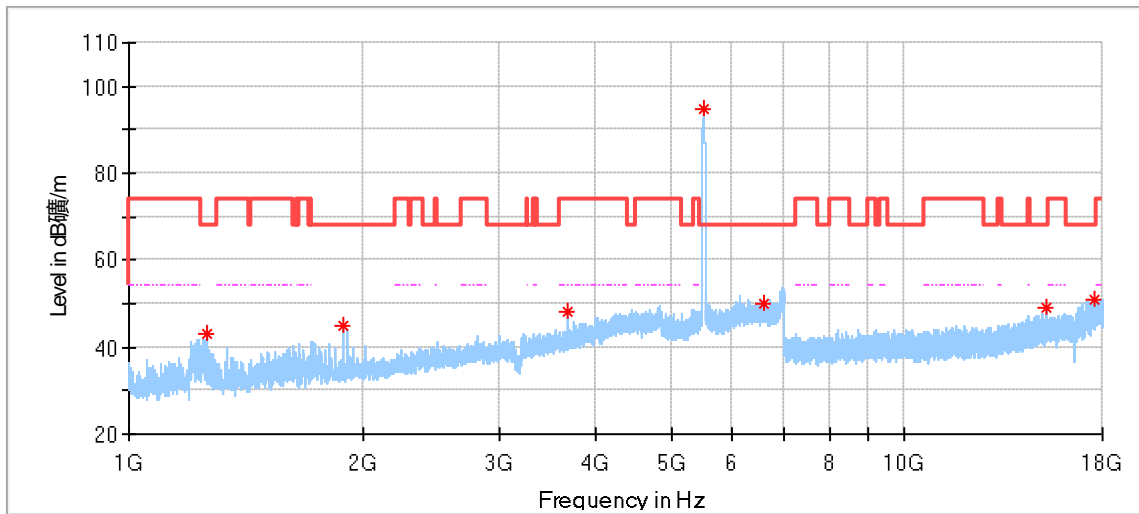
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
22368.375000	42.87	74.00	31.13	---	---	154.0	V	354.0	0.2
27125.875000	40.82	74.00	33.18	---	---	154.0	V	41.0	1.2
29330.000000	42.14	74.00	31.86	---	---	154.0	V	354.0	1.5



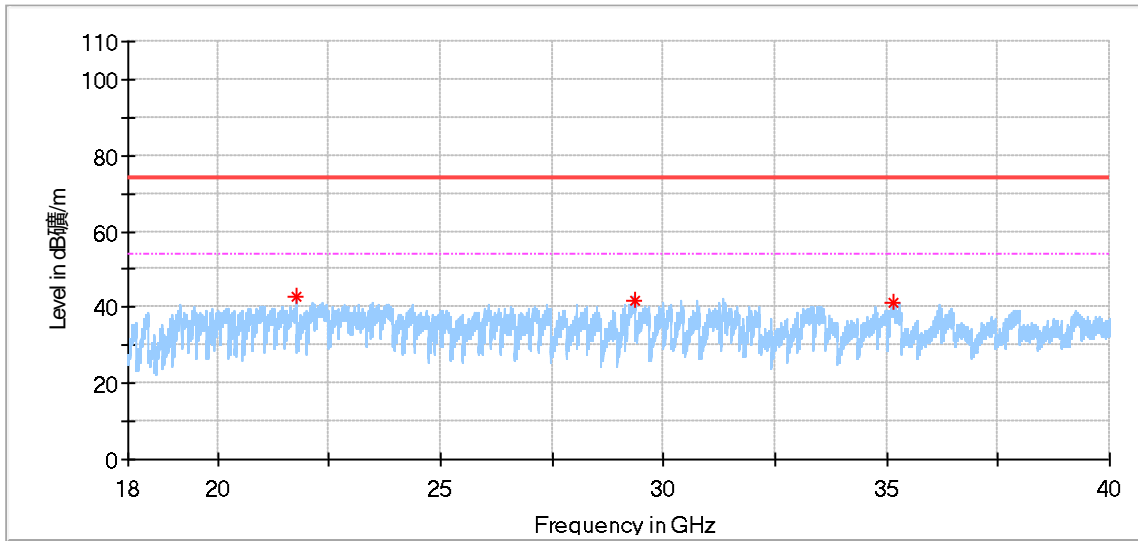
802.11N40 Modulation 5510MHz Test Result



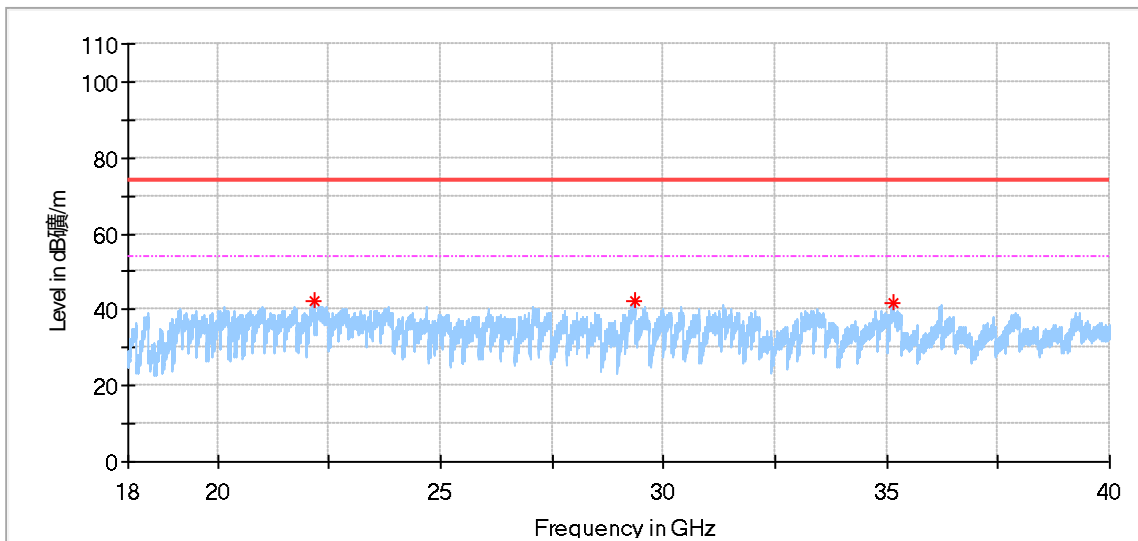
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1726.500000	47.32	68.20	20.88	150.0	H	138.0	-10.5
1901.500000	48.63	68.20	19.57	150.0	H	98.0	-9.7
4841.000000	49.53	74.00	24.47	150.0	H	138.0	2.1
17433.500000	50.22	68.20	17.98	150.0	H	4.0	18.1



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1264.000000	43.15	68.20	25.05	150.0	V	26.0	-13.2
1888.500000	45.00	68.20	23.20	150.0	V	0.0	-9.8
3673.500000	48.17	74.00	25.83	150.0	V	165.0	-2.0
6597.000000	50.19	68.20	18.01	150.0	V	249.0	5.6
15267.000000	49.05	68.20	19.15	150.0	V	182.0	12.9
17588.500000	51.15	68.20	17.05	150.0	V	97.0	18.8

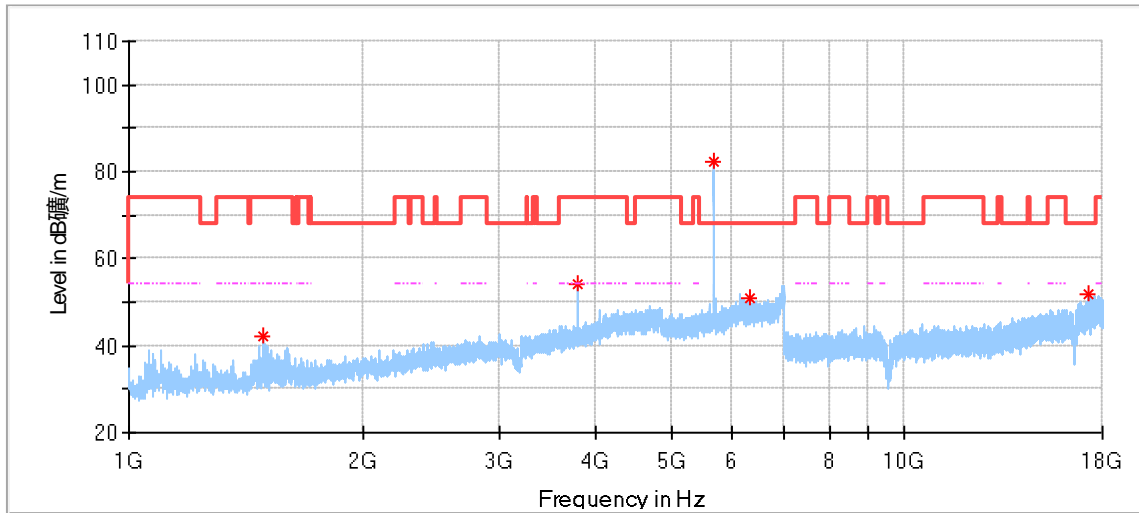


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
21768.187500	42.70	74.00	31.30	---	---	154.0	H	0.0	0.1
29369.187500	41.72	74.00	32.28	---	---	154.0	H	76.0	2.4
35133.187500	41.21	74.00	32.79	---	---	154.0	H	0.0	4.4

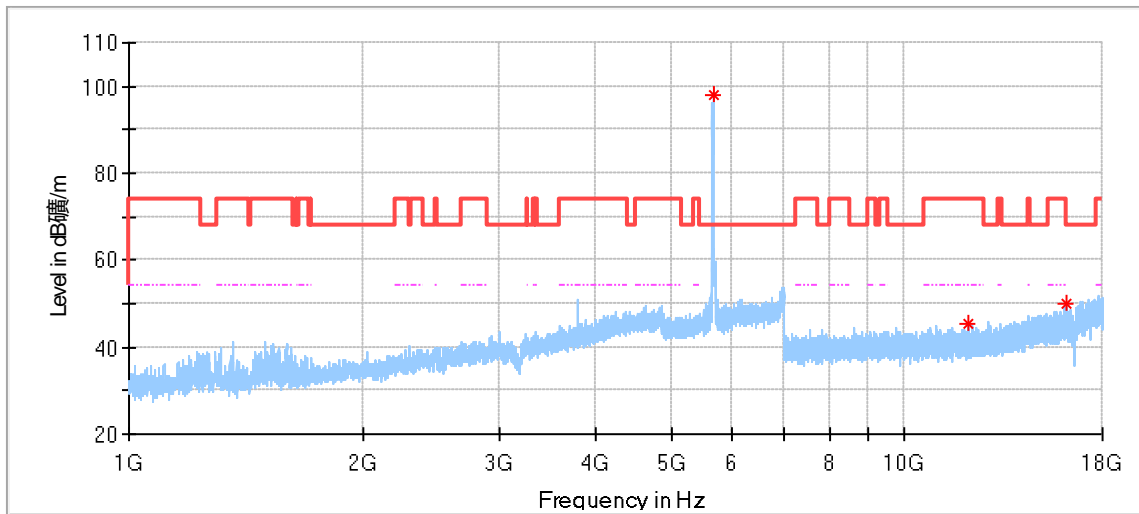


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
22175.875000	42.38	74.00	31.62	---	---	154.0	V	156.0	0.3
29358.875000	42.20	74.00	31.80	---	---	154.0	V	210.0	1.5
35172.375000	41.75	74.00	32.25	---	---	154.0	V	0.0	3.9

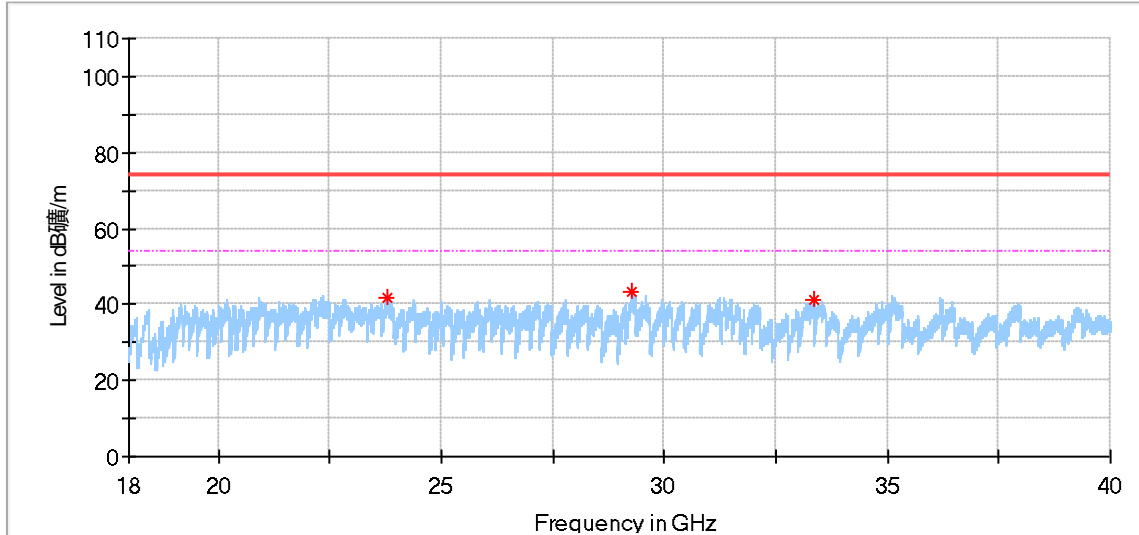
802.11N40 Modulation 5670MHz Test Result



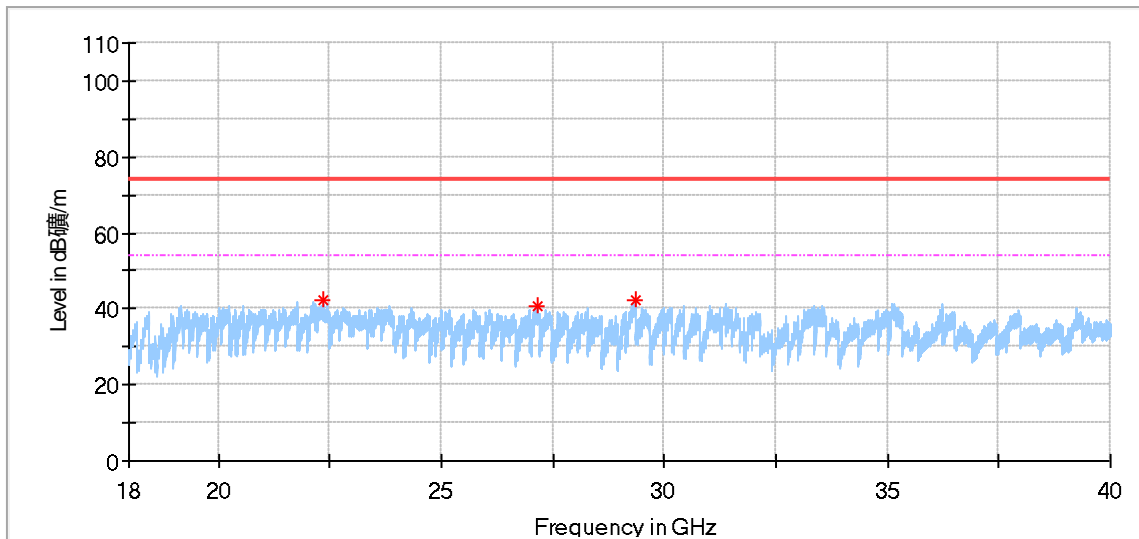
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1487.000000	42.25	74.00	31.75	150.0	H	73.0	-11.9
3780.500000	54.06	74.00	19.94	150.0	H	81.0	-1.5
6328.000000	51.04	68.20	17.16	150.0	H	174.0	4.8
17225.000000	51.69	68.20	16.51	150.0	H	260.0	18.1



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
12079.000000	45.60	74.00	28.40	150.0	V	307.0	8.4
16180.000000	50.00	74.00	24.00	150.0	V	182.0	14.7

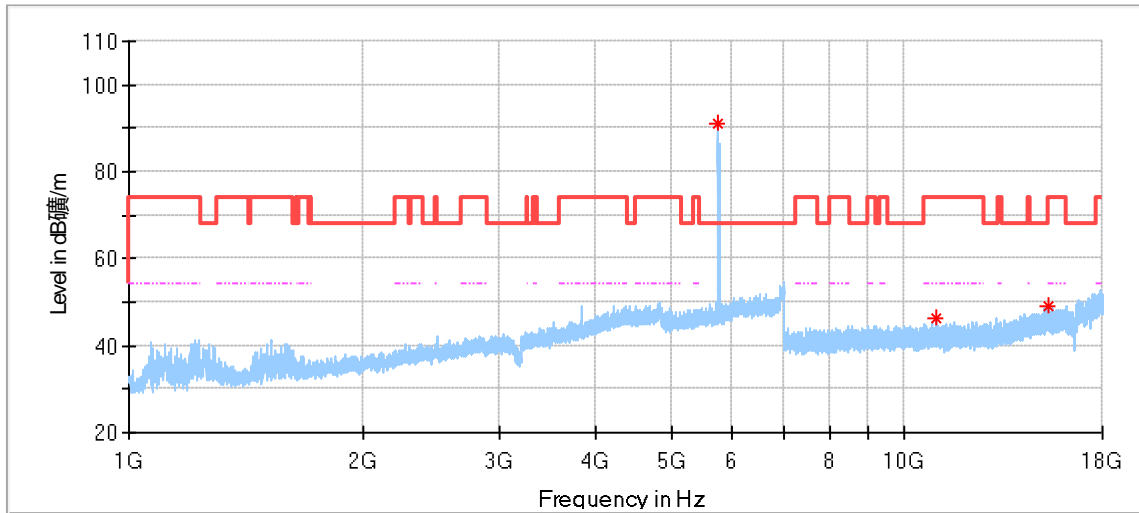


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23808.000000	41.73	74.00	32.27	---	---	154.0	H	11.0	1.1
29279.125000	43.41	74.00	30.59	---	---	154.0	H	0.0	2.3
33340.187500	41.21	74.00	32.79	---	---	154.0	H	0.0	3.3

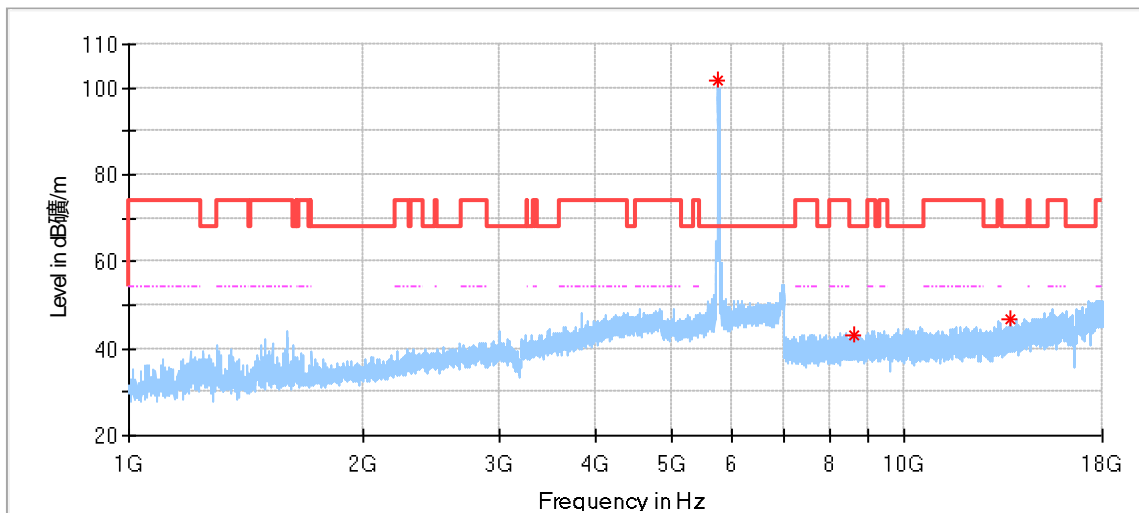


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
22369.062500	42.13	74.00	31.87	---	---	154.0	V	319.0	0.2
27142.375000	40.80	74.00	33.20	---	---	154.0	V	191.0	1.2
29349.937500	42.37	74.00	31.63	---	---	154.0	V	119.0	1.5

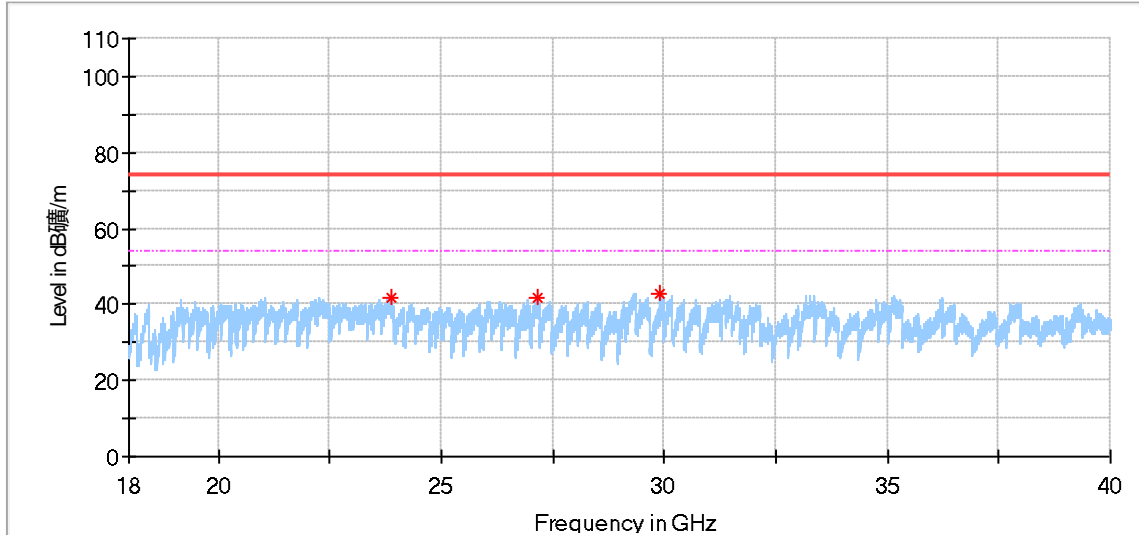
802.11N40 Modulation 5755MHz Test Result



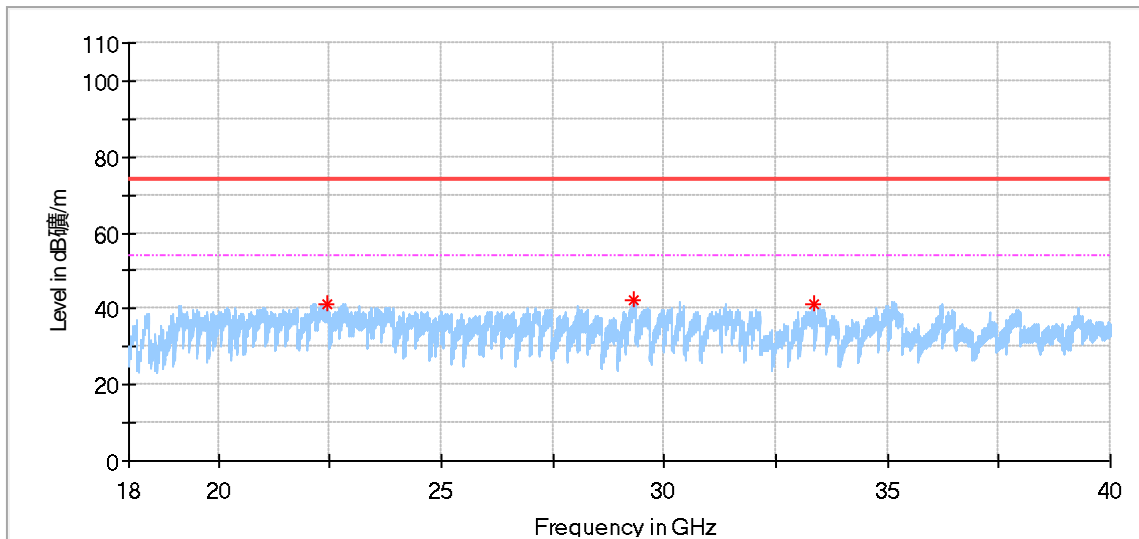
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11006.500000	46.29	74.00	27.71	400.0	H	323.0	7.7
15293.500000	48.92	68.20	19.28	400.0	H	72.0	12.8



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8603.500000	43.16	68.20	25.04	150.0	V	223.0	6.8
13725.500000	46.54	68.20	21.66	150.0	V	359.0	9.5

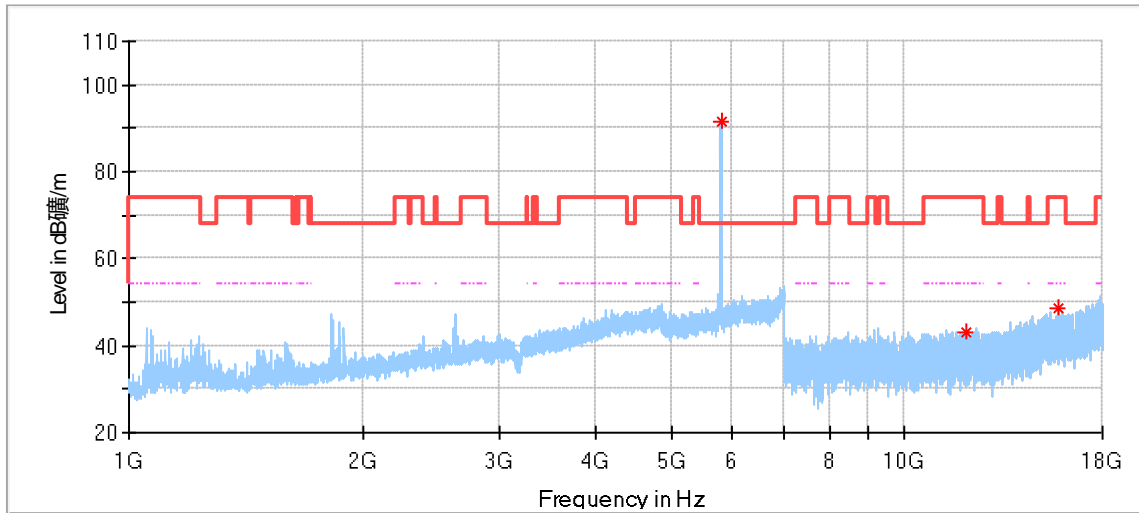


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23863.000000	41.81	74.00	32.19	---	---	154.0	H	142.0	1.0
27157.500000	41.92	74.00	32.08	---	---	154.0	H	94.0	1.8
29889.625000	42.95	74.00	31.05	---	---	154.0	H	0.0	2.5

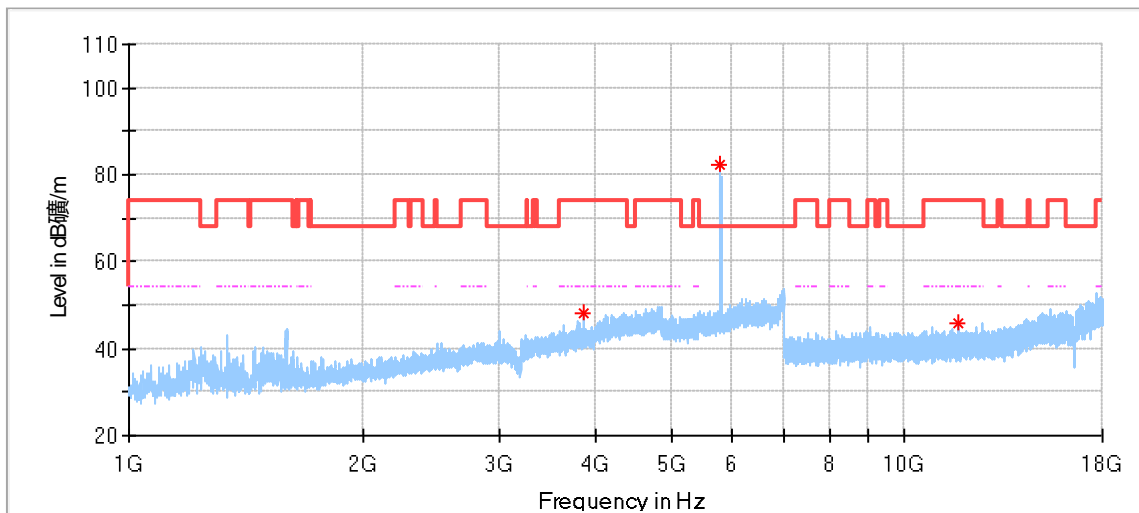


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
22435.062500	41.22	74.00	32.78	---	---	154.0	V	58.0	0.1
29306.625000	42.29	74.00	31.71	---	---	154.0	V	0.0	1.5
33342.250000	41.19	74.00	32.81	---	---	154.0	V	157.0	2.5

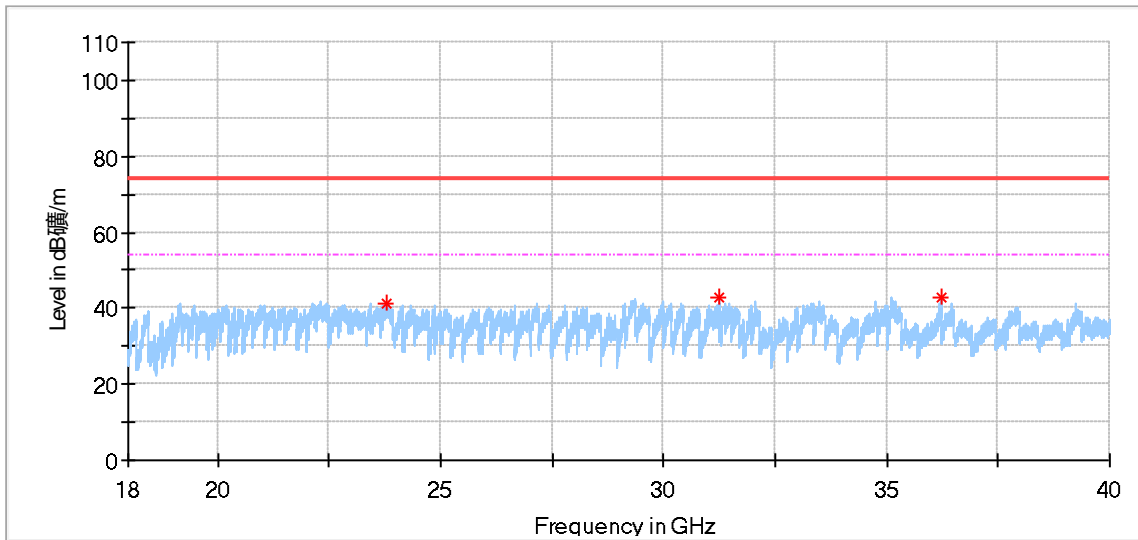
802.11N40 Modulation 5795MHz Test Result



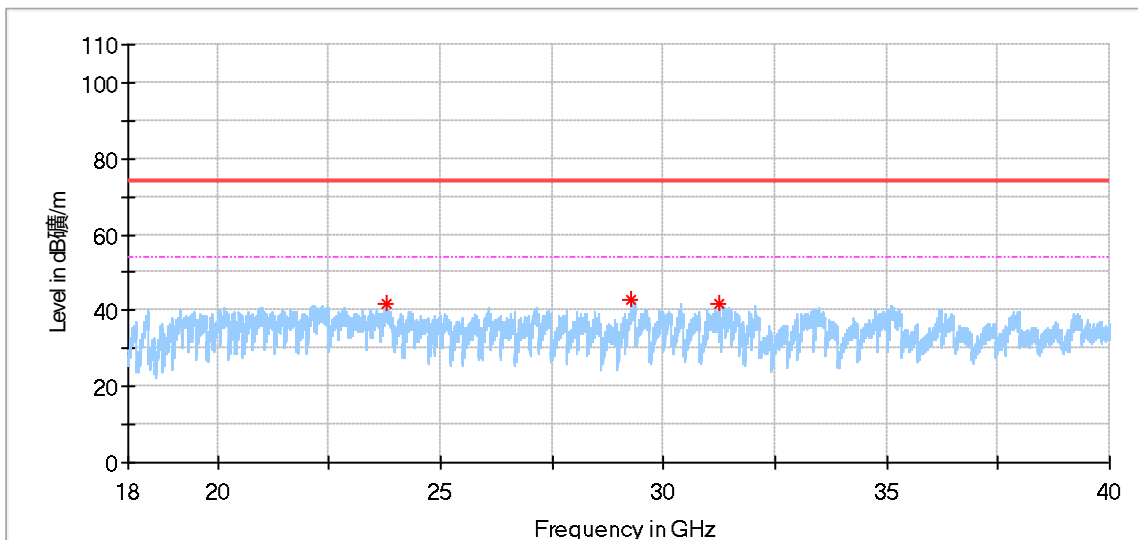
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
11992.000000	42.89	74.00	31.11	150.0	H	6.0	8.5
15786.000000	48.64	74.00	25.36	150.0	H	50.0	13.6



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3864.000000	48.33	74.00	25.67	150.0	V	56.0	-1.1
11724.000000	45.63	74.00	28.37	150.0	V	345.0	8.0



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23799.062500	41.45	74.00	32.55	---	---	154.0	H	258.0	1.1
31250.187500	42.90	74.00	31.10	---	---	154.0	H	0.0	2.6
36227.687500	43.03	74.00	30.97	---	---	154.0	H	8.0	4.9



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
23772.250000	41.83	74.00	32.17	---	---	154.0	V	87.0	0.5
29285.312500	42.75	74.00	31.25	---	---	154.0	V	0.0	1.5
31244.000000	41.86	74.00	32.14	---	---	154.0	V	0.0	2.0

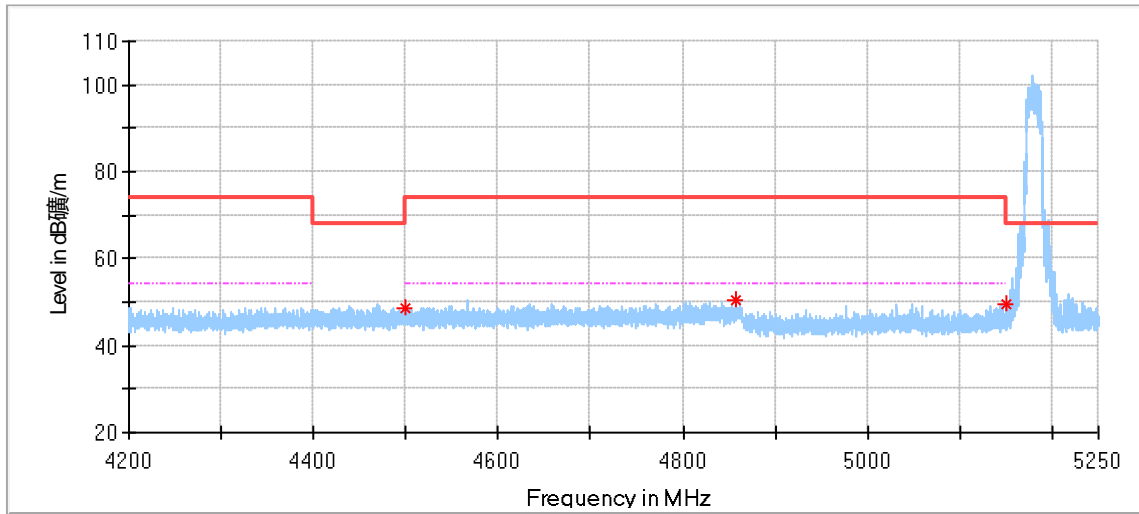


Remark:

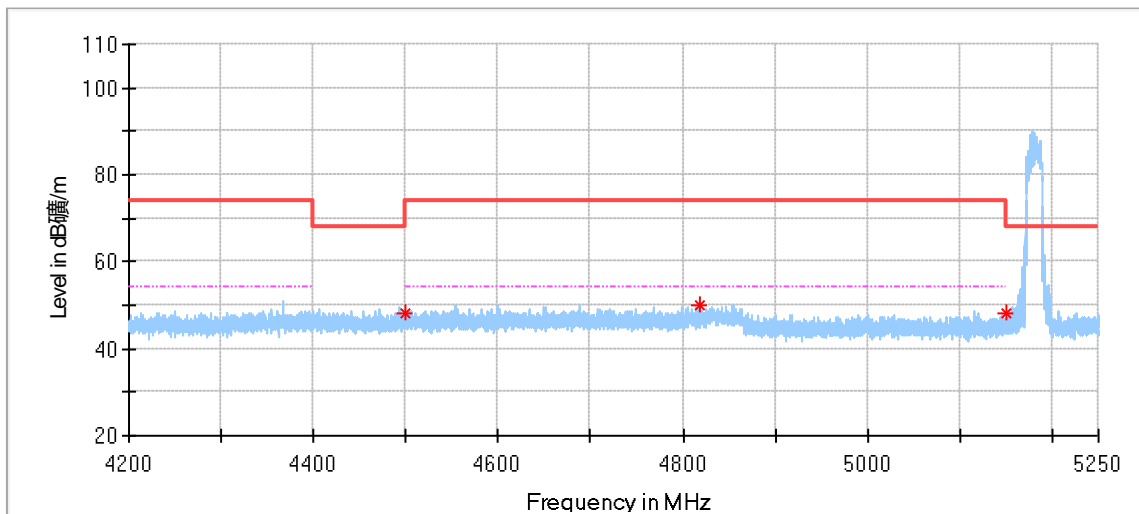
- (1) Corrected Amplitude = Read level + Corrector factor  
Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Amplifier Gain.  
Below 1GHz: Corrector factor = Antenna Factor + Cable Loss.  
(The Reading Level is recorded by software which is not shown in the sheet)
- (2) "\*" means the emission(s) Masterpeak within the restrict bands shall follow the requirement of section 15.205.
- (3) We test all modes and only the worst case recorded in the report.
- (4) Data of measurement within this frequency range shown "--" in the table above means the reading of emissions are the noise floor or attenuated more than 10dB below the permissible limits or the field strength is too small to be measured.

Band edge test result as below:

802.11a Modulation 5180MHz

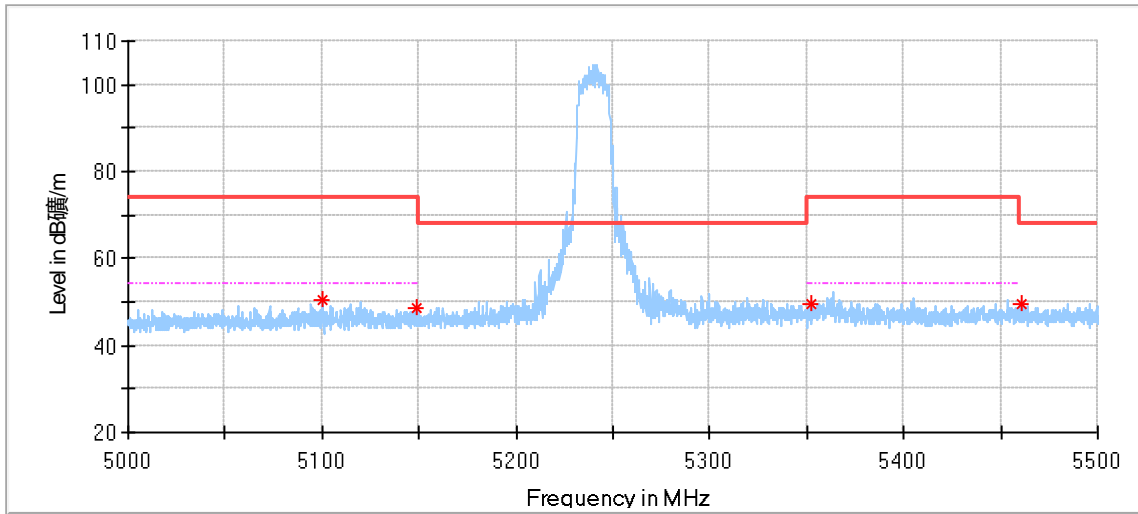


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4500.000000	48.71	68.20	19.49	150.0	H	338.0	2.3
4856.775000	50.41	74.00	23.59	150.0	H	326.0	2.2
5150.000000	49.75	68.20	18.45	150.0	H	293.0	1.8

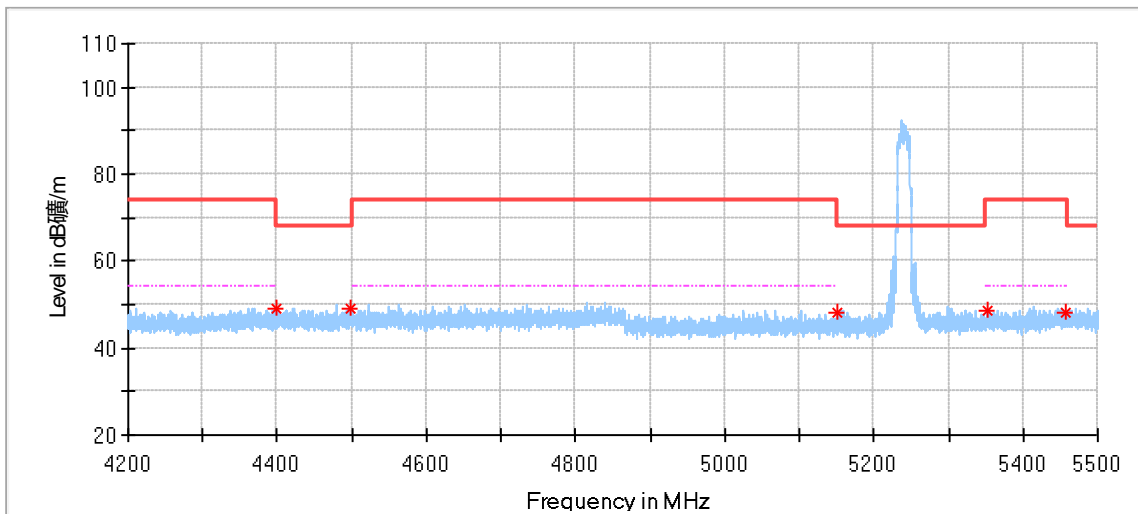


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4500.000000	48.36	74.00	25.64	150.0	V	158.0	2.2
4818.800000	49.94	74.00	24.06	150.0	V	238.0	2.2
5150.000000	48.13	68.20	20.07	150.0	V	50.0	1.8

802.11a Modulation 5240MHz

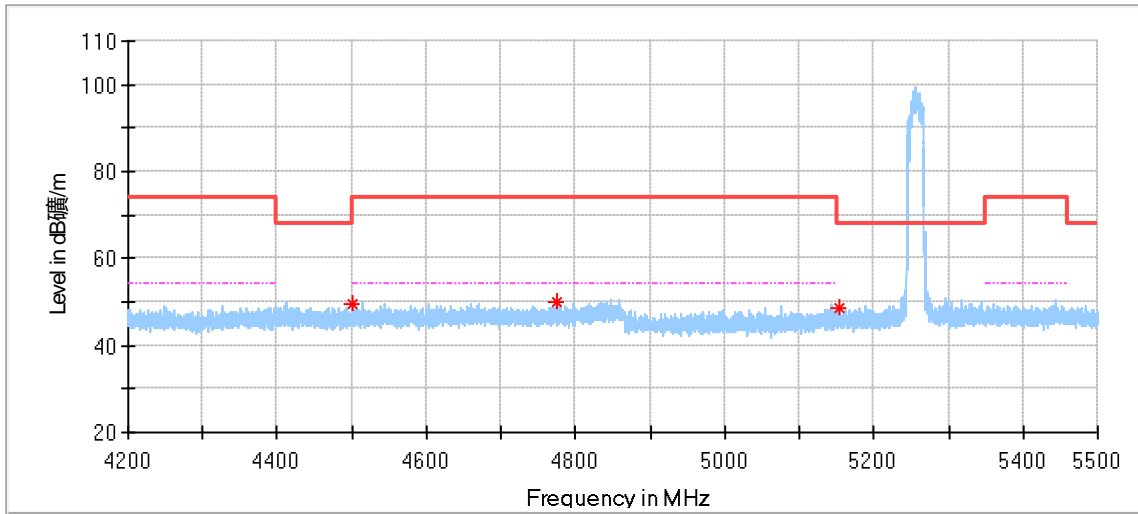


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5100.033333	50.42	74.00	23.58	150.0	H	293.0	1.4
5148.891667	48.64	74.00	25.36	150.0	H	307.0	1.8
5352.558333	49.47	74.00	24.53	150.0	H	280.0	2.1
5461.108333	49.44	68.20	18.77	150.0	H	275.0	2.8

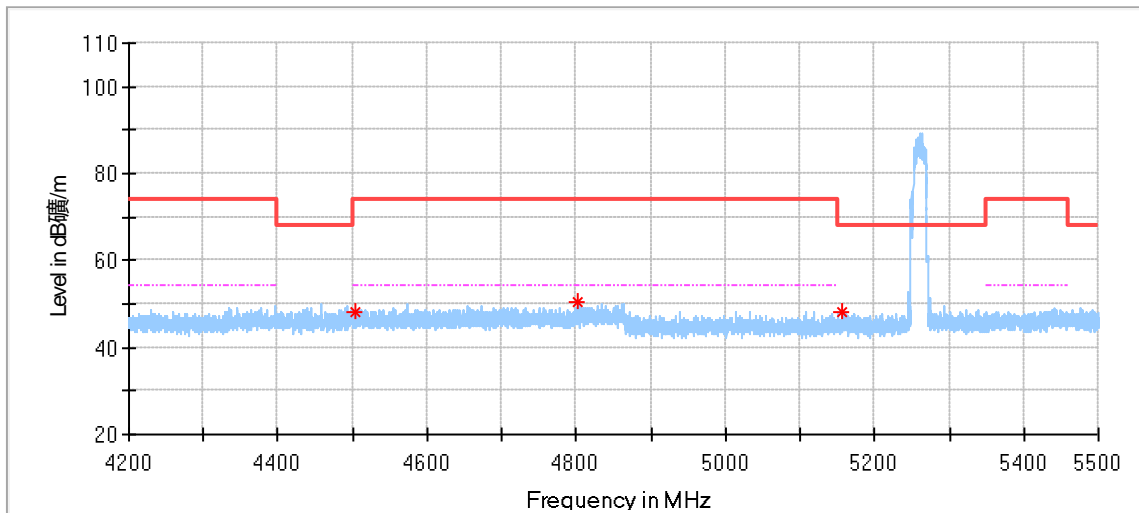


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4397.708333	49.03	74.00	24.97	150.0	V	285.0	2.0
4498.025000	48.90	68.20	19.30	150.0	V	231.0	2.2
5150.733333	48.11	68.20	20.09	150.0	V	182.0	1.8
5351.800000	48.71	74.00	25.29	150.0	V	133.0	2.1
5457.641667	48.24	74.00	25.76	150.0	V	114.0	2.9

802.11a Modulation 5260MHz

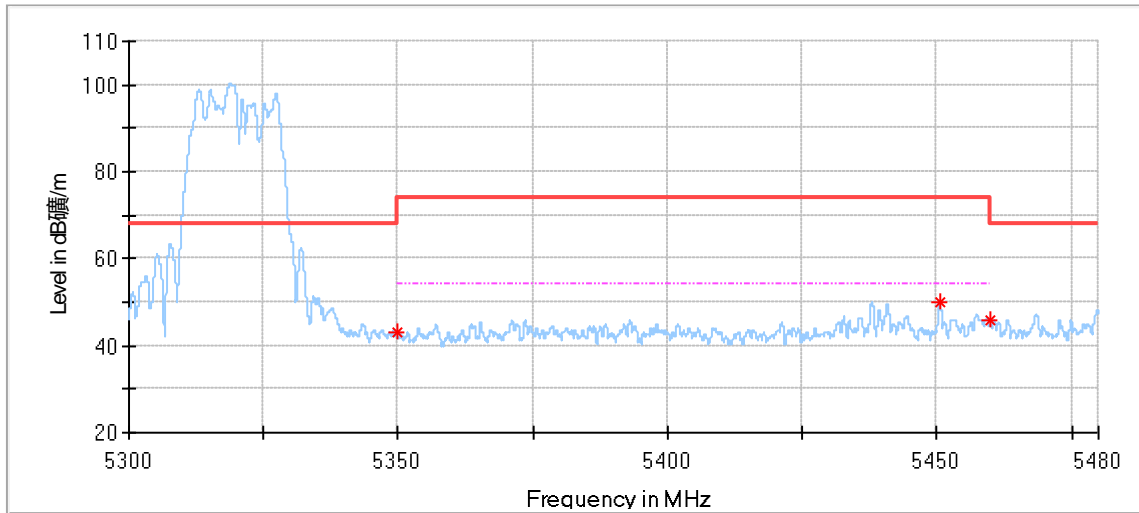


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4502.033333	49.76	74.00	24.24	150.0	H	357.0	2.2
4776.116667	50.16	74.00	23.84	150.0	H	254.0	2.2
5153.875000	48.79	68.20	19.41	150.0	H	353.0	1.8

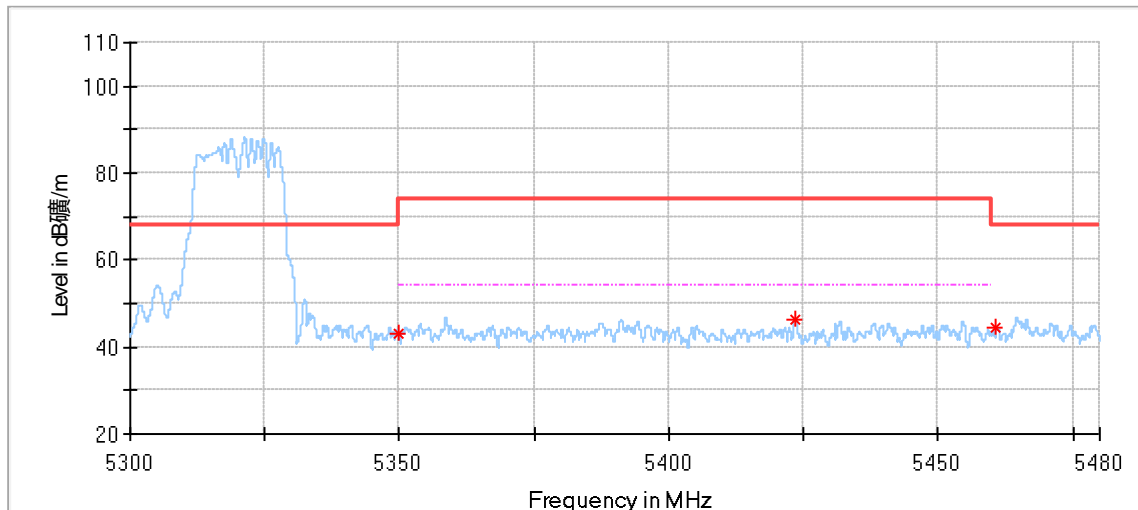


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4502.466667	48.14	74.00	25.86	150.0	V	2.0	2.2
4802.983333	50.66	74.00	23.34	150.0	V	352.0	2.1
5156.258333	48.03	68.20	20.17	150.0	V	61.0	1.8

802.11a Modulation 5320MHz

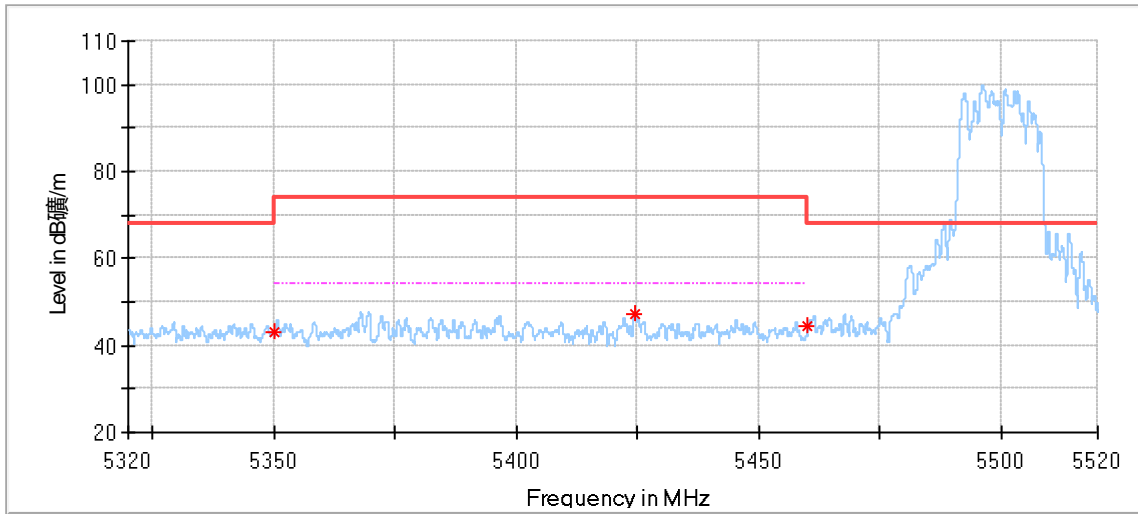


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.000000	42.97	74.00	31.03	150.0	H	316.0	2.1
5450.450000	50.16	74.00	23.84	150.0	H	329.0	3.0
5460.000000	45.81	68.20	22.39	150.0	H	329.0	2.8

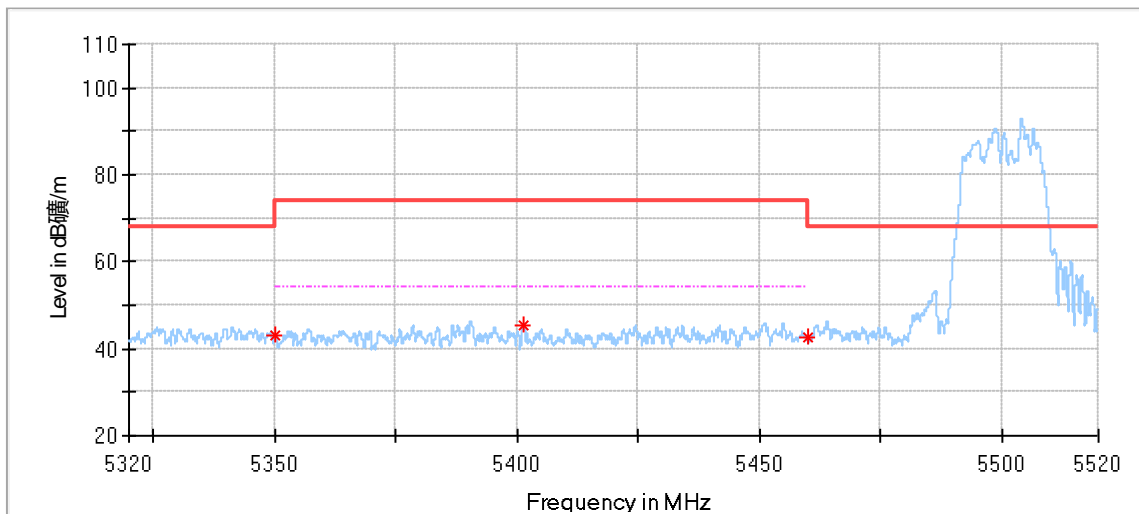


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5349.785000	43.19	68.20	25.01	150.0	V	336.0	2.1
5423.360000	46.31	74.00	27.69	150.0	V	231.0	2.5
5460.830000	44.26	68.20	23.94	150.0	V	130.0	2.8

802.11a Modulation 5500MHz

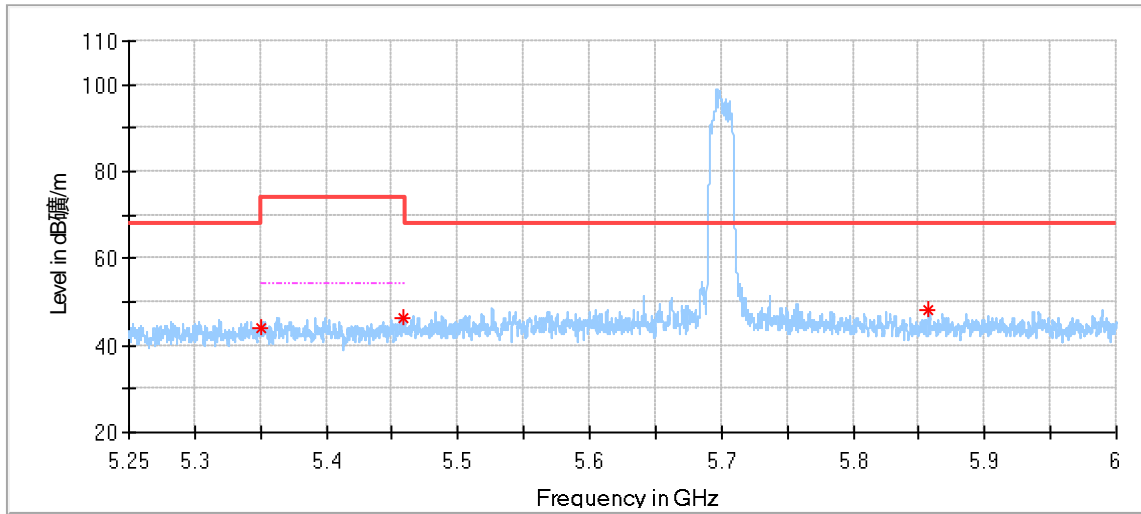


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.000000	43.01	68.20	25.19	150.0	H	59.0	2.1
5424.416667	47.15	74.00	26.85	150.0	H	358.0	2.5
5460.000000	44.33	68.20	23.87	150.0	H	151.0	2.8

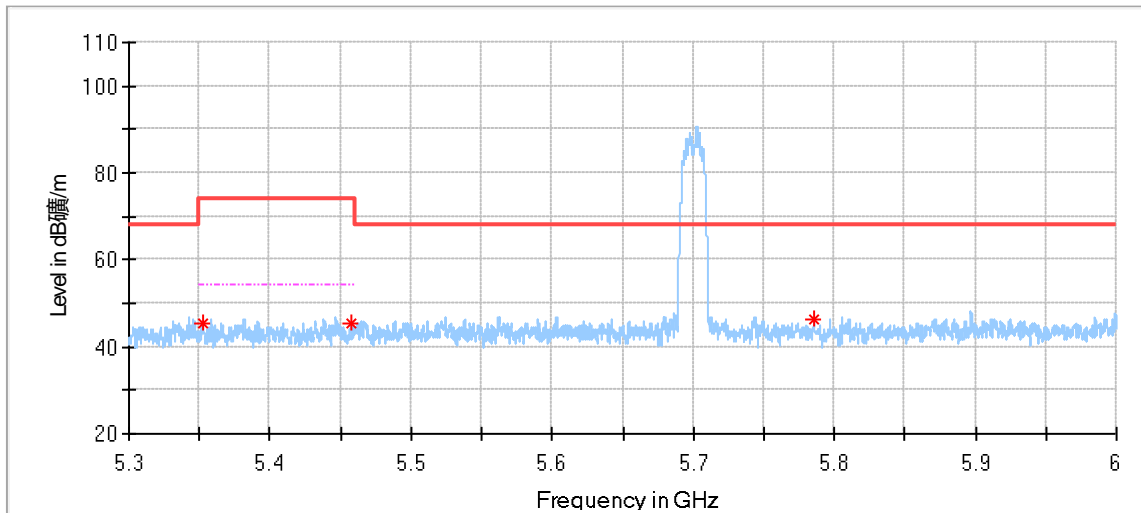


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5350.000000	43.18	68.20	25.02	150.0	V	153.0	2.0
5401.433333	45.55	74.00	28.45	150.0	V	284.0	2.4
5460.000000	42.55	74.00	31.45	150.0	V	9.0	2.9

802.11a Modulation 5700MHz

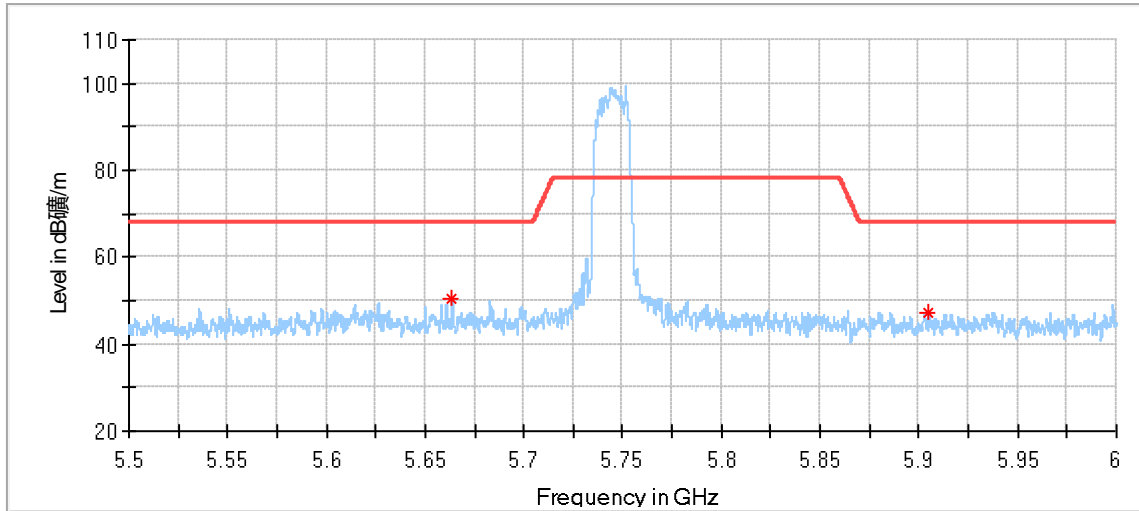


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5349.750000	44.01	68.20	24.19	150.0	H	352.0	2.1
5459.125000	46.41	74.00	27.59	150.0	H	31.0	2.9
5857.250000	48.13	68.20	20.07	150.0	H	323.0	3.4

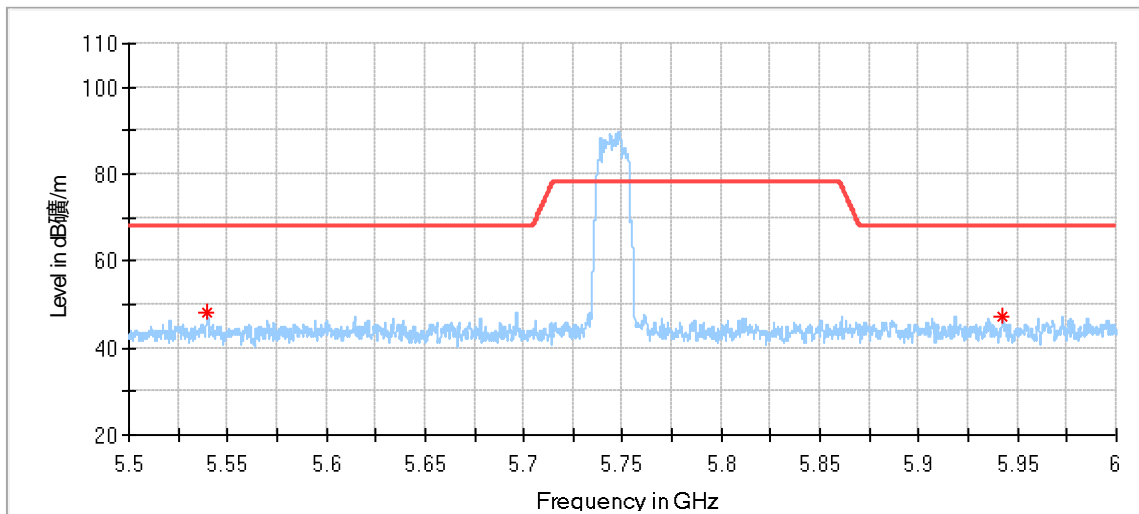


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.833333	45.58	74.00	28.42	150.0	V	150.0	2.1
5457.083333	45.44	74.00	28.56	150.0	V	51.0	2.9
5785.333333	46.53	68.20	21.67	150.0	V	198.0	3.0

802.11a Modulation 5745MHz



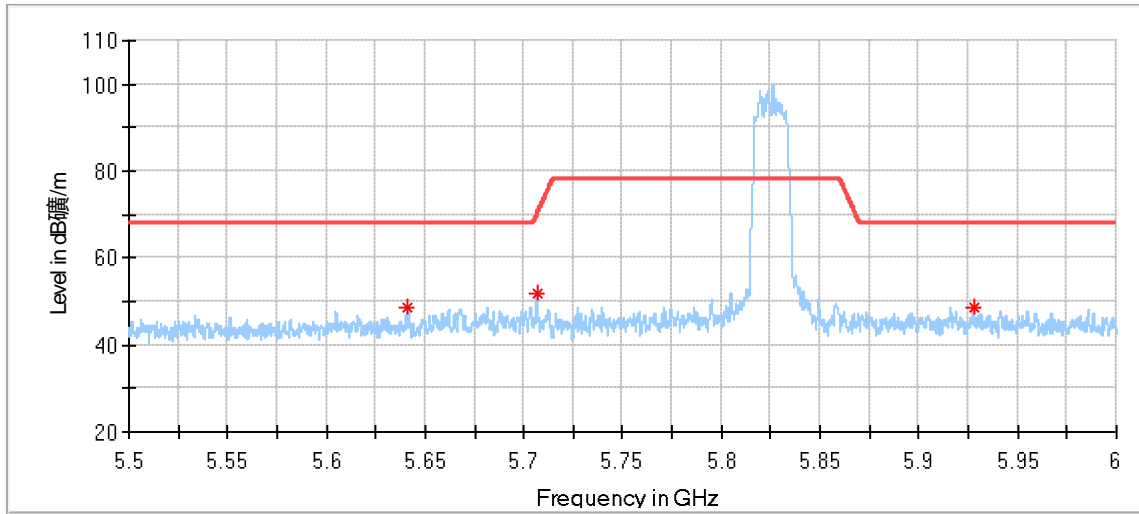
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5663.708333	50.44	68.20	17.76	150.0	H	313.0	2.7
5904.916667	47.31	68.20	20.89	150.0	H	313.0	3.9



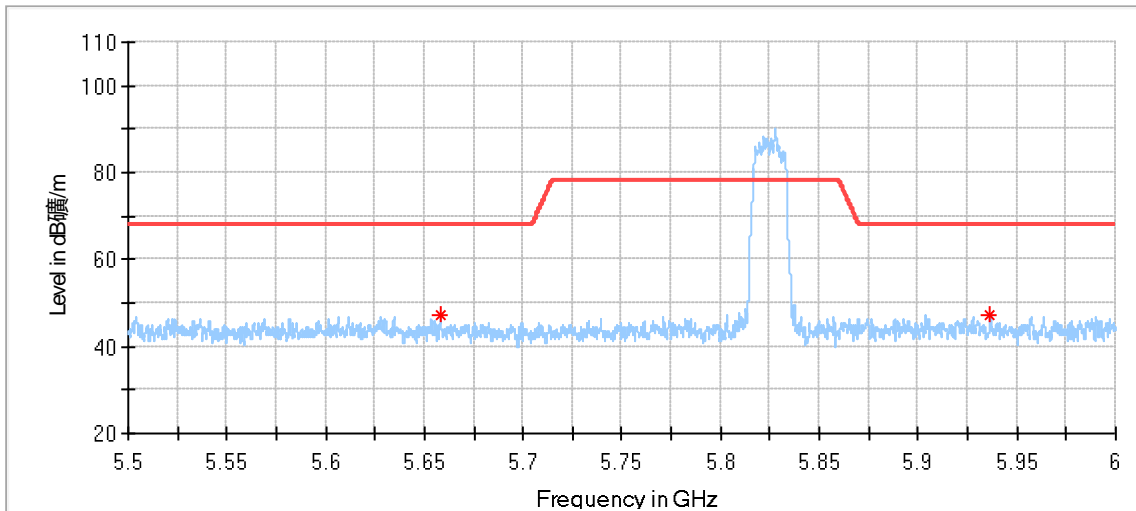
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5539.666667	48.38	68.20	19.82	150.0	V	51.0	2.4
5942.208333	47.13	68.20	21.07	150.0	V	169.0	3.9



802.11a Modulation 5825MHz



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5641.333333	48.61	68.20	19.59	150.0	H	0.0	2.8
5706.625000	51.95	69.83	17.87	150.0	H	315.0	2.6
5927.500000	48.68	68.20	19.52	150.0	H	54.0	3.9



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5658.083333	47.22	68.20	20.98	150.0	V	85.0	2.7
5936.500000	47.43	68.20	20.77	150.0	V	149.0	3.9



## 9.6 Frequencies Slavebility

### Test Method

1. The EUT was placed on 0.8m height table, the RF output of EUT was connected to the test receiver by RF cable. The path loss was compensated to the results for each measurement.
2. Set Centre Frequency of the channel under test.
3. Set Detector PEAK
4. Set RBW: 10KHz, VBW: 3RBW
5. Set Span: Encompass the entire emissions bandwidth (EBW) of the signal.
6. Allow the trace to Slavebilize, find the peak value of the power envelope and record the frequency, then calculated the frequency drift.

The test extreme voltage is to change the primary supply voltage from 85 to 115 percent of the nominal value.

User manual temperature is -20°C to 75°C, normal Temperature is +20°C.

Limit: 20ppm

Test Results (All conditions and all modes were performed, only list Worst-Case in the report)

Remark: NV is normal Voltage: 3.3Vdc, HV is High Voltage: 3.795Vdc, LV is Low Voltage: 2.805Vdc, NT is normal Temperature: +20°C.

TestMode	Antenna	Channel	Voltage				Limit (ppm)	Verdict
			Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)		
11A	Ant1	5180	NV	NT	-13000	-2.509653	20	PASS
			LV	NT	-13000	-2.509653	20	PASS
			HV	NT	-13000	-2.509653	20	PASS
		5200	NV	NT	-12000	-2.307692	20	PASS
			LV	NT	-13000	-2.5	20	PASS
			HV	NT	-11000	-2.115385	20	PASS
		5240	NV	NT	-10000	-1.908397	20	PASS
			LV	NT	-11000	-2.099237	20	PASS
			HV	NT	-12000	-2.290076	20	PASS
		5260	NV	NT	-10000	-1.901141	20	PASS
			LV	NT	-10000	-1.901141	20	PASS
			HV	NT	-11000	-2.091255	20	PASS
		5280	NV	NT	-11000	-2.083333	20	PASS
			LV	NT	-11000	-2.083333	20	PASS
			HV	NT	-9000	-1.704545	20	PASS
		5320	NV	NT	-12000	-2.255639	20	PASS
			LV	NT	-11000	-2.067669	20	PASS
			HV	NT	-12000	-2.255639	20	PASS
		5500	NV	NT	-13000	-2.363636	20	PASS
			LV	NT	-11000	-2	20	PASS
			HV	NT	-13000	-2.363636	20	PASS
		5580	NV	NT	-9000	-1.612903	20	PASS
			LV	NT	-12000	-2.150538	20	PASS
			HV	NT	-11000	-1.971326	20	PASS
5700	NV	NT	-13000	-2.280702	20	PASS		
	LV	NT	-12000	-2.105263	20	PASS		
	HV	NT	-13000	-2.280702	20	PASS		
5720	NV	NT	-11000	-1.923077	20	PASS		
	LV	NT	-11000	-1.923077	20	PASS		
	HV	NT	-10000	-1.748252	20	PASS		
5745	NV	NT	-13000	-2.262837	20	PASS		



11N40SISO	Ant1	5785	LV	NT	-9000	-1.56658	20	PASS
			HV	NT	-8000	-1.392515	20	PASS
			NV	NT	-11000	-1.901469	20	PASS
			LV	NT	-10000	-1.728608	20	PASS
			HV	NT	-9000	-1.555748	20	PASS
			NV	NT	-10000	-1.716738	20	PASS
		5825	LV	NT	-11000	-1.888412	20	PASS
			HV	NT	-9000	-1.545064	20	PASS
			NV	NT	-19000	-3.660886	20	PASS
		5190	LV	NT	-17000	-3.27553	20	PASS
			HV	NT	-16000	-3.082852	20	PASS
			NV	NT	-17000	-3.250478	20	PASS
		5230	LV	NT	-17000	-3.250478	20	PASS
			HV	NT	-16000	-3.059273	20	PASS
			NV	NT	-17000	-3.225806	20	PASS
		5270	LV	NT	-15000	-2.8463	20	PASS
			HV	NT	-15000	-2.8463	20	PASS
			NV	NT	-17000	-3.201507	20	PASS
		5310	LV	NT	-16000	-3.013183	20	PASS
			HV	NT	-15000	-2.824859	20	PASS
			NV	NT	-18000	-3.266788	20	PASS
		5510	LV	NT	-16000	-2.903811	20	PASS
			HV	NT	-16000	-2.903811	20	PASS
			NV	NT	-18000	-3.243243	20	PASS
5550	LV	NT	-16000	-2.882883	20	PASS		
	HV	NT	-17000	-3.063063	20	PASS		
	NV	NT	-17000	-2.998236	20	PASS		
5670	LV	NT	-17000	-2.998236	20	PASS		
	HV	NT	-16000	-2.821869	20	PASS		
	NV	NT	-17000	-2.977233	20	PASS		
5710	LV	NT	-18000	-3.152364	20	PASS		
	HV	NT	-15000	-2.62697	20	PASS		
	NV	NT	-14000	-2.432667	20	PASS		
5755	LV	NT	-18000	-3.127715	20	PASS		
	HV	NT	-15000	-2.606429	20	PASS		
	NV	NT	-19000	-3.278689	20	PASS		
5795	LV	NT	-20000	-3.451251	20	PASS		
	HV	NT	-18000	-3.106126	20	PASS		
	NV	NT	-18000	-3.106126	20	PASS		

Temperature								
TestMode	Antenna	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
11A	Ant1	5180	NV	-30	-13000	-2.509653	20	PASS
			NV	-20	-14000	-2.702703	20	PASS
			NV	-10	-13000	-2.509653	20	PASS
			NV	0	-14000	-2.702703	20	PASS
			NV	10	-14000	-2.702703	20	PASS
			NV	20	-10000	-1.930502	20	PASS
			NV	30	-10000	-1.930502	20	PASS
			NV	40	-14000	-2.702703	20	PASS
		5200	NV	50	-12000	-2.316602	20	PASS
			NV	-30	-12000	-2.307692	20	PASS
			NV	-20	-12000	-2.307692	20	PASS
			NV	-10	-13000	-2.5	20	PASS
			NV	0	-12000	-2.307692	20	PASS
			NV	10	-14000	-2.692308	20	PASS
			NV	20	-13000	-2.5	20	PASS
			NV	30	-11000	-2.115385	20	PASS
		5240	NV	40	-11000	-2.115385	20	PASS
			NV	50	-13000	-2.5	20	PASS
			NV	-30	-11000	-2.099237	20	PASS
			NV	-20	-12000	-2.290076	20	PASS
			NV	-10	-12000	-2.290076	20	PASS
			NV	0	-12000	-2.290076	20	PASS
			NV	10	-14000	-2.692308	20	PASS
			NV	20	-13000	-2.5	20	PASS



			NV	-10	-13000	-2.480916	20	PASS
			NV	0	-13000	-2.480916	20	PASS
			NV	10	-13000	-2.480916	20	PASS
			NV	20	-13000	-2.480916	20	PASS
			NV	30	-11000	-2.099237	20	PASS
			NV	40	-13000	-2.480916	20	PASS
			NV	50	-13000	-2.480916	20	PASS
		5260	NV	-30	-12000	-2.281369	20	PASS
			NV	-20	-12000	-2.281369	20	PASS
			NV	-10	-13000	-2.471483	20	PASS
			NV	0	-14000	-2.661597	20	PASS
			NV	10	-11000	-2.091255	20	PASS
			NV	20	-12000	-2.281369	20	PASS
			NV	30	-11000	-2.091255	20	PASS
			NV	40	-10000	-1.901141	20	PASS
			NV	50	-12000	-2.281369	20	PASS
		5280	NV	-30	-9000	-1.704545	20	PASS
			NV	-20	-12000	-2.272727	20	PASS
			NV	-10	-13000	-2.462121	20	PASS
			NV	0	-12000	-2.272727	20	PASS
			NV	10	-12000	-2.272727	20	PASS
			NV	20	-11000	-2.083333	20	PASS
			NV	30	-13000	-2.462121	20	PASS
			NV	40	-13000	-2.462121	20	PASS
			NV	50	-10000	-1.893939	20	PASS
		5320	NV	-30	-14000	-2.631579	20	PASS
			NV	-20	-13000	-2.443609	20	PASS
			NV	-10	-11000	-2.067669	20	PASS
			NV	0	-13000	-2.443609	20	PASS
			NV	10	-13000	-2.443609	20	PASS
			NV	20	-13000	-2.443609	20	PASS
			NV	30	-11000	-2.067669	20	PASS
			NV	40	-10000	-1.879699	20	PASS
			NV	50	-11000	-2.067669	20	PASS
		5500	NV	-30	-13000	-2.363636	20	PASS
			NV	-20	-12000	-2.181818	20	PASS
			NV	-10	-11000	-2	20	PASS
			NV	0	-12000	-2.181818	20	PASS
			NV	10	-10000	-1.818182	20	PASS
			NV	20	-12000	-2.181818	20	PASS
			NV	30	-10000	-1.818182	20	PASS
			NV	40	-13000	-2.363636	20	PASS
			NV	50	-12000	-2.181818	20	PASS
		5580	NV	-30	-10000	-1.792115	20	PASS
			NV	-20	-14000	-2.508961	20	PASS
			NV	-10	-11000	-1.971326	20	PASS
			NV	0	-9000	-1.612903	20	PASS
			NV	10	-14000	-2.508961	20	PASS
			NV	20	-10000	-1.792115	20	PASS
			NV	30	-13000	-2.329749	20	PASS
			NV	40	-12000	-2.150538	20	PASS
			NV	50	-11000	-1.971326	20	PASS
		5700	NV	-30	-13000	-2.280702	20	PASS
			NV	-20	-12000	-2.105263	20	PASS
			NV	-10	-13000	-2.280702	20	PASS
			NV	0	-11000	-1.929825	20	PASS
			NV	10	-10000	-1.754386	20	PASS
			NV	20	-8000	-1.403509	20	PASS
			NV	30	-12000	-2.105263	20	PASS
			NV	40	-11000	-1.929825	20	PASS
			NV	50	-12000	-2.105263	20	PASS
		5720	NV	-30	-12000	-2.097902	20	PASS
			NV	-20	-12000	-2.097902	20	PASS
			NV	-10	-12000	-2.097902	20	PASS



		5745	NV	0	-12000	-2.097902	20	PASS
			NV	10	-12000	-2.097902	20	PASS
			NV	20	-10000	-1.748252	20	PASS
			NV	30	-12000	-2.097902	20	PASS
			NV	40	-10000	-1.748252	20	PASS
			NV	50	-9000	-1.573427	20	PASS
		5785	NV	-30	-11000	-1.914708	20	PASS
			NV	-20	-10000	-1.740644	20	PASS
			NV	-10	-9000	-1.56658	20	PASS
			NV	0	-10000	-1.740644	20	PASS
			NV	10	-8000	-1.392515	20	PASS
			NV	20	-10000	-1.740644	20	PASS
			NV	30	-8000	-1.392515	20	PASS
			NV	40	-8000	-1.392515	20	PASS
		5825	NV	50	-9000	-1.56658	20	PASS
			NV	-30	-10000	-1.728608	20	PASS
			NV	-20	-10000	-1.728608	20	PASS
			NV	-10	-9000	-1.555748	20	PASS
			NV	0	-11000	-1.901469	20	PASS
			NV	10	-8000	-1.382887	20	PASS
			NV	20	-10000	-1.728608	20	PASS
			NV	30	-9000	-1.555748	20	PASS
		5190	NV	40	-10000	-1.728608	20	PASS
			NV	50	-8000	-1.382887	20	PASS
			NV	-30	-9000	-1.545064	20	PASS
			NV	-20	-10000	-1.716738	20	PASS
			NV	-10	-10000	-1.716738	20	PASS
			NV	0	-7000	-1.201717	20	PASS
			NV	10	-8000	-1.373391	20	PASS
			NV	20	-11000	-1.888412	20	PASS
		5230	NV	30	-10000	-1.716738	20	PASS
			NV	40	-10000	-1.716738	20	PASS
			NV	50	-11000	-1.888412	20	PASS
			NV	-30	-16000	-3.082852	20	PASS
			NV	-20	-16000	-3.082852	20	PASS
			NV	-10	-15000	-2.890173	20	PASS
			NV	0	-15000	-2.890173	20	PASS
			NV	10	-16000	-3.082852	20	PASS
		5270	NV	20	-18000	-3.468208	20	PASS
			NV	30	-17000	-3.27553	20	PASS
			NV	40	-18000	-3.468208	20	PASS
			NV	50	-16000	-3.082852	20	PASS
			NV	-30	-16000	-3.059273	20	PASS
			NV	-20	-16000	-3.059273	20	PASS
			NV	-10	-16000	-3.059273	20	PASS
NV	0		-17000	-3.250478	20	PASS		
5310	NV	10	-16000	-3.059273	20	PASS		
	NV	20	-15000	-2.868069	20	PASS		
	NV	30	-15000	-2.868069	20	PASS		
	NV	40	-17000	-3.250478	20	PASS		
	NV	50	-15000	-2.868069	20	PASS		
	NV	-30	-14000	-2.656546	20	PASS		
	NV	-20	-17000	-3.225806	20	PASS		
	NV	-10	-15000	-2.8463	20	PASS		
5745	NV	0	-16000	-3.036053	20	PASS		
	NV	10	-13000	-2.466793	20	PASS		
	NV	20	-14000	-2.656546	20	PASS		
	NV	30	-15000	-2.8463	20	PASS		
5785	NV	40	-16000	-3.036053	20	PASS		
	NV	50	-17000	-3.225806	20	PASS		
	NV	-30	-17000	-3.201507	20	PASS		
	NV	-20	-16000	-3.013183	20	PASS		
5825	NV	-10	-14000	-2.636535	20	PASS		
	NV	0	-14000	-2.636535	20	PASS		



			NV	10	-16000	-3.013183	20	PASS
			NV	20	-16000	-3.013183	20	PASS
			NV	30	-14000	-2.636535	20	PASS
			NV	40	-15000	-2.824859	20	PASS
			NV	50	-16000	-3.013183	20	PASS
		5510	NV	-30	-18000	-3.266788	20	PASS
			NV	-20	-17000	-3.085299	20	PASS
			NV	-10	-17000	-3.085299	20	PASS
			NV	0	-16000	-2.903811	20	PASS
			NV	10	-17000	-3.085299	20	PASS
			NV	20	-17000	-3.085299	20	PASS
			NV	30	-16000	-2.903811	20	PASS
			NV	40	-14000	-2.540835	20	PASS
			NV	50	-19000	-3.448276	20	PASS
			5550	NV	-30	-17000	-3.063063	20
		NV		-20	-18000	-3.243243	20	PASS
		NV		-10	-14000	-2.522523	20	PASS
		NV		0	-17000	-3.063063	20	PASS
		NV		10	-15000	-2.702703	20	PASS
		NV		20	-16000	-2.882883	20	PASS
		NV		30	-18000	-3.243243	20	PASS
		NV		40	-17000	-3.063063	20	PASS
		5670	NV	50	-18000	-3.243243	20	PASS
			NV	-30	-15000	-2.645503	20	PASS
			NV	-20	-19000	-3.35097	20	PASS
			NV	-10	-16000	-2.821869	20	PASS
			NV	0	-16000	-2.821869	20	PASS
			NV	10	-15000	-2.645503	20	PASS
			NV	20	-15000	-2.645503	20	PASS
			NV	30	-15000	-2.645503	20	PASS
		5710	NV	40	-17000	-2.998236	20	PASS
			NV	50	-15000	-2.645503	20	PASS
			NV	-30	-17000	-2.977233	20	PASS
			NV	-20	-17000	-2.977233	20	PASS
			NV	-10	-18000	-3.152364	20	PASS
			NV	0	-16000	-2.802102	20	PASS
			NV	10	-15000	-2.62697	20	PASS
			NV	20	-15000	-2.62697	20	PASS
		5755	NV	30	-15000	-2.62697	20	PASS
			NV	40	-16000	-2.802102	20	PASS
			NV	50	-15000	-2.62697	20	PASS
			NV	-30	-14000	-2.432667	20	PASS
			NV	-20	-16000	-2.780191	20	PASS
			NV	-10	-17000	-2.953953	20	PASS
			NV	0	-17000	-2.953953	20	PASS
			NV	10	-14000	-2.432667	20	PASS
		5795	NV	20	-18000	-3.127715	20	PASS
			NV	30	-15000	-2.606429	20	PASS
			NV	40	-17000	-2.953953	20	PASS
			NV	50	-16000	-2.780191	20	PASS
			NV	-30	-19000	-3.278689	20	PASS
			NV	-20	-19000	-3.278689	20	PASS
			NV	-10	-17000	-2.933563	20	PASS
			NV	0	-17000	-2.933563	20	PASS
		5795	NV	10	-17000	-2.933563	20	PASS
			NV	20	-18000	-3.106126	20	PASS
			NV	30	-16000	-2.761001	20	PASS
			NV	40	-17000	-2.933563	20	PASS
			NV	50	-16000	-2.761001	20	PASS

## 9.7 Dynamic Frequency Selection (DFS)

### 1、 General Test Condition

Parameters of EUT	
Frequency	5250 – 5350 MHz & 5470 – 5725 MHz
Operational Mode	Slave
Modulation:	OFDM
Channel Bandwidth:	20 MHz , 40 MHz , 80 MHz

Note: This device was functioned as a Slave device during the DFS

### 2、 Test requirement

The manufacturer shall whether the EUT is cMasterable of operating as a master and a client. Id the EUT is cMasterable of operating in more than one operating mode then each operating mode shall be tested separately.

DFS Masterplicability

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Client With Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Not required	Not required
Uniform Spreading	Yes	Not required	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

DFS Masterplicability During Normal Operation

Requirement	Operational Mode		
	Master	Client Without Radar Detection	Radar Detection
Non-Occupancy Period	Yes	Not required	Yes
DFS Detection Threshold	Yes	Not required	Yes
Channel Availability Check Time	Yes	Yes	Not required
Uniform Spreading	Yes	Yes	Not required
U-NII Detection Bandwidth	Yes	Not required	Yes

### 3、 Test Limited

According to KDB 905462 D02 Table 4 DFS Response Requirement Values

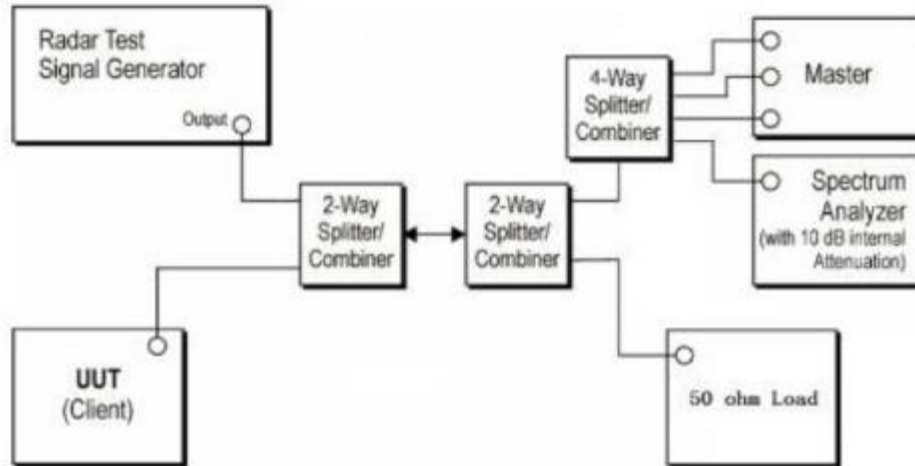
Parameter	Value
<i>Non-occupancy period</i>	Minimum 30 minutes
<i>Channel Availability Check Time</i>	60 seconds
<i>Channel Move Time</i>	10 seconds See Note 1.
<i>Channel Closing Transmission Time</i>	200 milliseconds + an aggregate of 60 milliseconds over remaining 10 second period. See Notes 1 and 2.
<i>U-NII Detection Bandwidth</i>	Minimum 100% of the U-NII 99% transmission power bandwidth. See Note 3.
<p><b>Note 1:</b> <i>Channel Move Time</i> and the <i>Channel Closing Transmission Time</i> should be performed with Radar Type 0. The measurement timing begins at the end of the Radar Type 0 burst.</p> <p><b>Note 2:</b> The <i>Channel Closing Transmission Time</i> is comprised of 200 milliseconds starting at the beginning of the <i>Channel Move Time</i> plus any additional intermittent control signals required to facilitate a <i>Channel</i> move (an aggregate of 60 milliseconds) during the remainder of the 10 second period. The aggregate duration of control signals will not count quiet periods in between transmissions.</p> <p><b>Note 3:</b> During the <i>U-NII Detection Bandwidth</i> detection test, radar type 0 should be used. For each frequency step the minimum percentage of detection is 90 percent. Measurements are performed with no data traffic.</p>	

### 4、 Calibration of Radar Waveform

- (1) A 50ohm load is connected in place of the spectrum analyzer, and the spectrum analyzer is connected to place of the master.
- (2) The interference Radar Detection Threshold Level is  $-62\text{dBm}+3.7\text{dB}+1.5\text{dB}=-55.8\text{dBm}$  that had been taken into account the output power range and antenna gain.
- (3) The following equipment setup was used to calibrate the conducted radar waveform. A vector signal generator was utilized to establish the test signal level for radar type 0. During this process there were no transmissions by either the master or client device. The spectrum analyzer was switched to the zero spans (time domain) at the frequency of the radar waveform generator. Peak detection was used. The spectrum analyzer resolution bandwidth (RBW) and video bandwidth (VBW) were set to 3MHz. The spectrum analyzer had offset -1.5dB to compensate RF cable loss 1.5dB.
- (4) The vector signal generator amplitude was set so that the power level measured at the spectrum analyzer was  $-62\text{dBm}+3.7\text{dB}+1.5\text{dB}=-55.8\text{dBm}$ . Configure the spectrum analyzer plots on short pulse radar waveform.



## Conducted Calibration Setup:



Radar Waveform Calibration result:

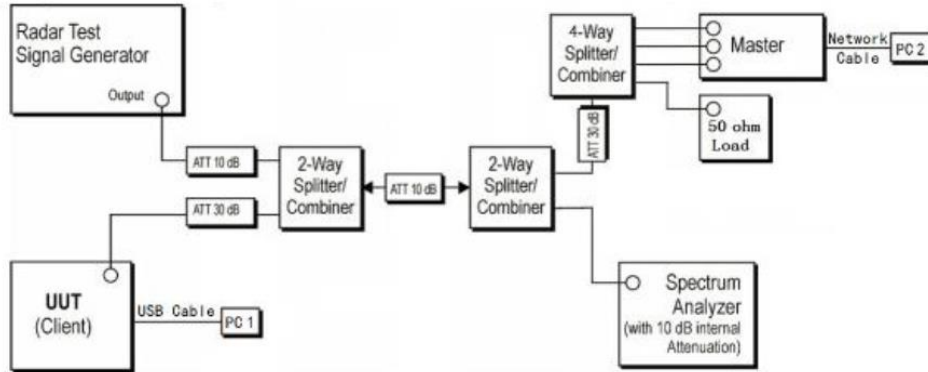
## 5、 Channel Closing Transmission Time, Channel Move Time and Non-Occupancy Period.

Block Diagram of test setup test procedure.

- (1) The Radar Pulse generator is setup to provide a pulse at frequency that the master and client are operating, A type 0 radar pulse with a 1us pulse width and a 1428us PRI is used for the testing.
- (2) The vector signal generator is adjusted to provide the radar burst (18 pulses) at the level of Master approximately -55.8dBm at the antenna of the master device.
- (3) A trigger is provided from the pulse generator to the DFS monitoring system in order to control the traffic and the occurrence of the radar pulse.
- (4) EUT will associate with the master at channel. The file "iperf.exe" specified by the FCC is streamed from the PC 2 through the master and the client device to the PC 1 and played in full motion video using test software in order to properly load the network for the entire period of the test.
- (5) When radar burst with a Level equal to the DFS Detection Threshold +1dB is generated on the operating channel of the U-NII device. At time T0 the radar waveform generator sends a burst of pulse of the radar waveform at Detection threshold +1dB.
- (6) Observe the transmissions of the EUT at the end of the radar Burst on the Operating channel. Measure and record the transmissions from the UUT during The observation time (channel move time). One 15 seconds plot is reported for the short pulse radar type 0. The plot for the short pulse radar burst. The channel move time will be calculated based on the zoom in 600ms plot of the short pulse radar type.
- (7) Measurement of the aggregate duration of the channel closed transmission time method. With the spectrum analyzer set to zero span tuned to the center frequency of the EUT operating channel at the radar simulated frequency, peak detection, and max hold, the dwell time per bin is given by:  $Dwell(3.0) = S(12000ms) / B(4000)$ ; where dwell time per spectrum analyzer sampling bin, S is sweep time and B is the number of spectrum analyzer sampling bins. An upper bound of the aggregate duration of the intermittent control signals of channel closing transmission time is calculated by:  $C(ms) = N \times Dwell(0.3ms)$ ; where C is the closing time, N is the number of spectrum analyzer sampling bins (intermittent control signals) showing a U-NII transmission and dwell is the dwell time per bin.
- (8) Measurement the EUT for more than 30 minutes following the channel move time to verify that no transmission or beacons occur on this channel.

**Test Setup:**

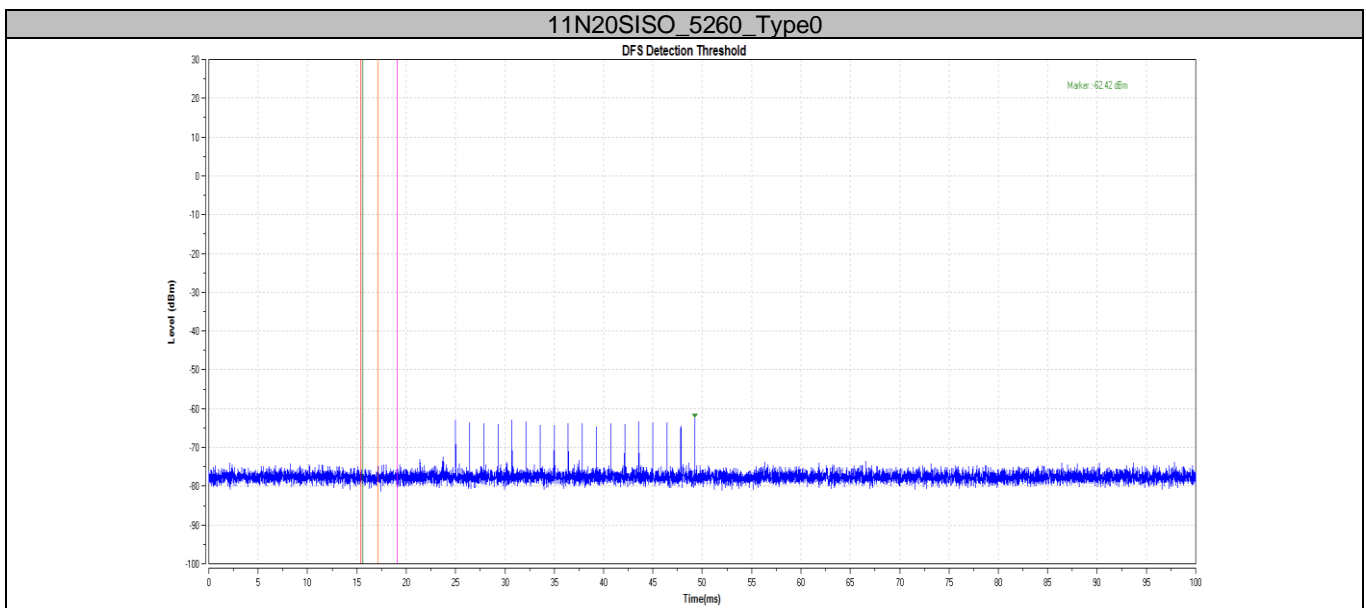
Setup for client with injection at the master.



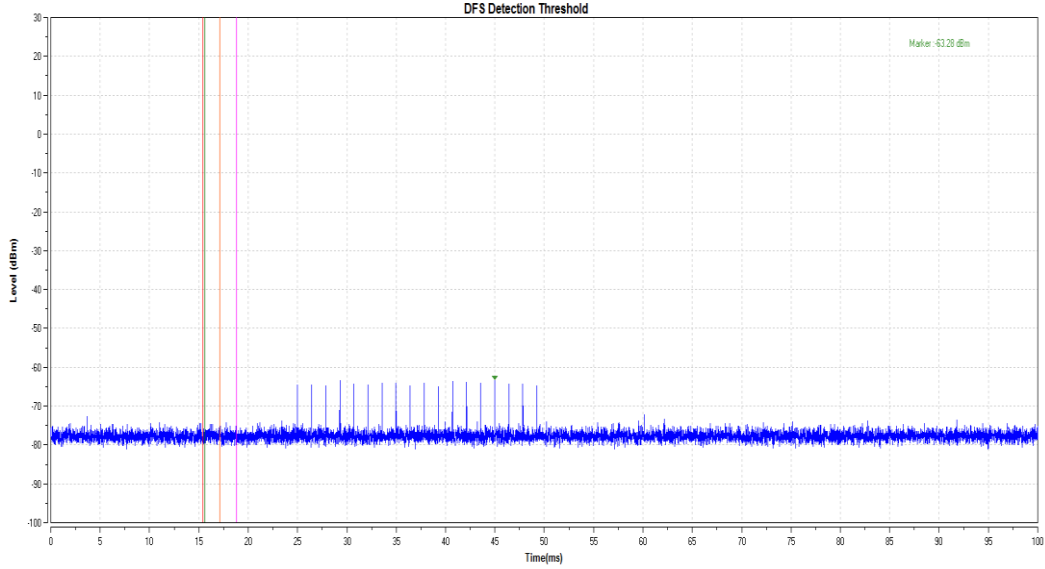
**6、 Test Result**

Clause	Test Parameter	Remarks	Pass/Fail
15.407	DFS Detection Threshold	No Applicable	N/A
15.407	Channel Availability Check time	No Applicable	N/A
15.407	Channel Move time	Applicable	Pass
15.407	Channel Closing Transmission Time	Applicable	Pass
15.407	Non-Occupancy Period	Applicable	Pass
15.407	Uniform Spreading	No Applicable	N/A
15.407	U-NII Detection Bandwidth	No Applicable	N/A

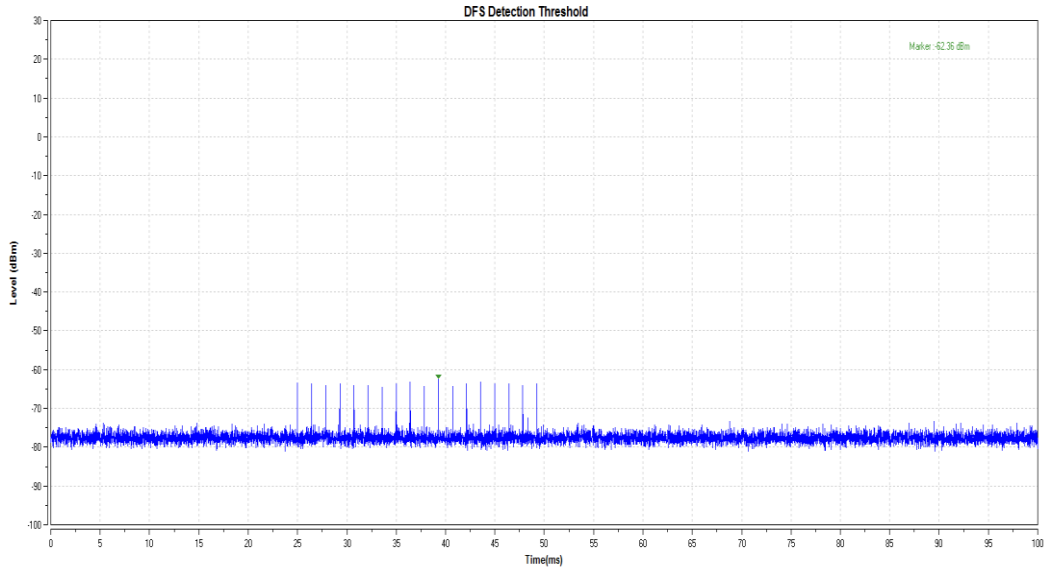
TestMode	Channel	Radar Type	Result	Limit[dbm]	Verdict
11N20SISO	5260	Type0	-62.42	-59.00	PASS
	5500	Type0	-63.28	-59.00	PASS
11N40SISO	5270	Type0	-62.36	-59.00	PASS
	5510	Type0	-62.76	-59.00	PASS



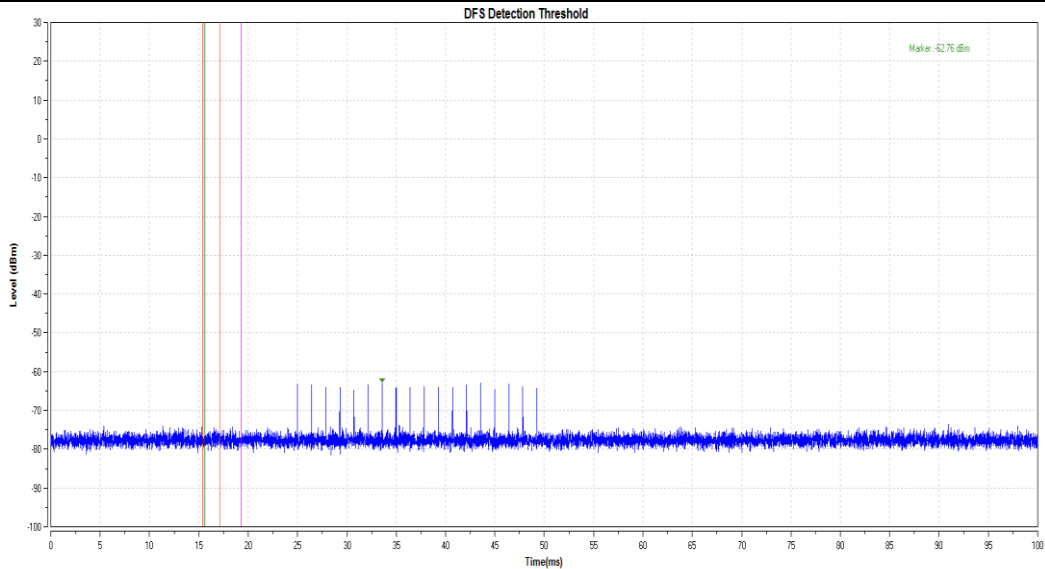
11N20SISO\_5500\_Type0



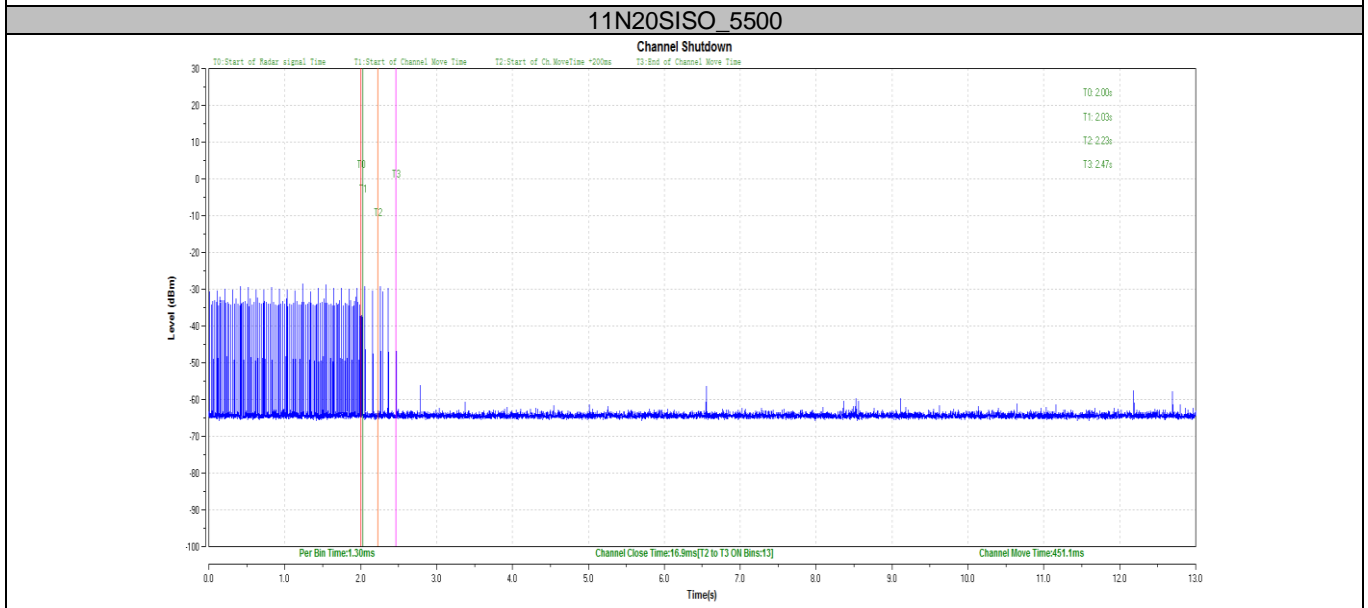
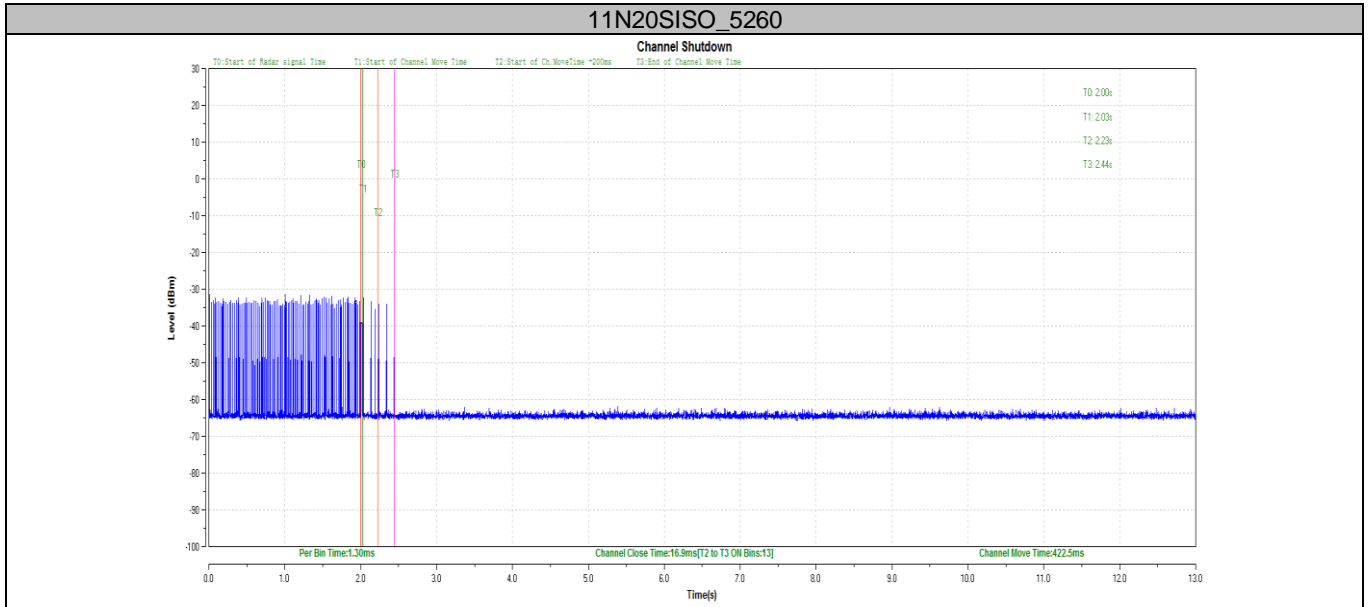
11N40SISO\_5270\_Type0



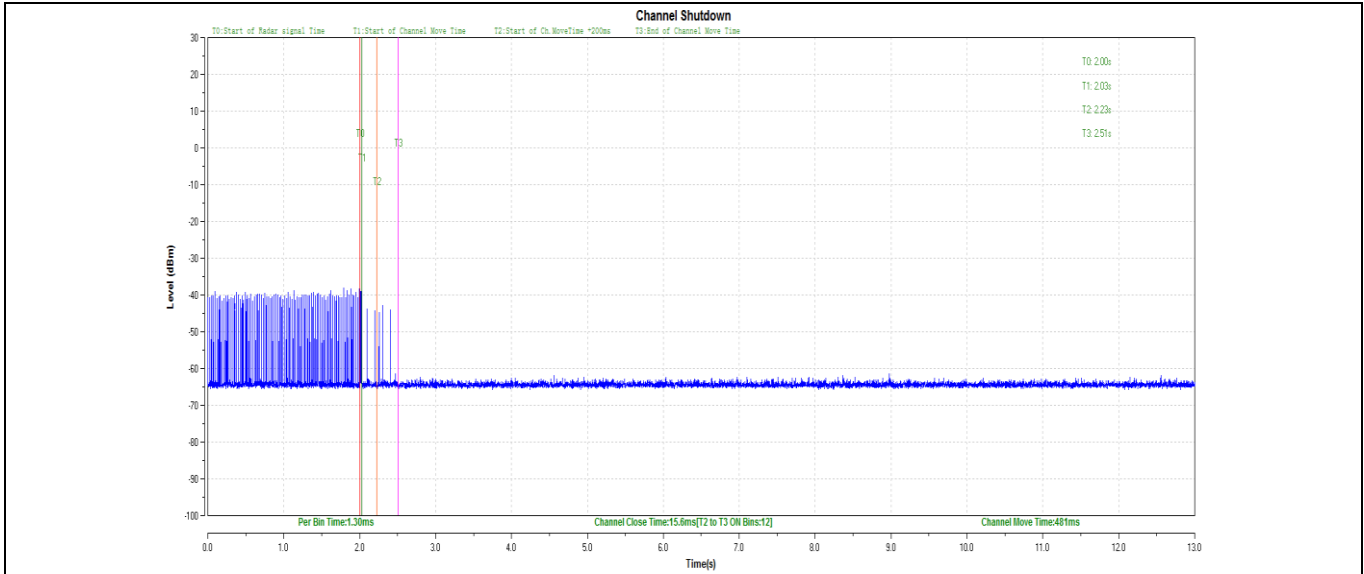
11N40SISO\_5510\_Type0



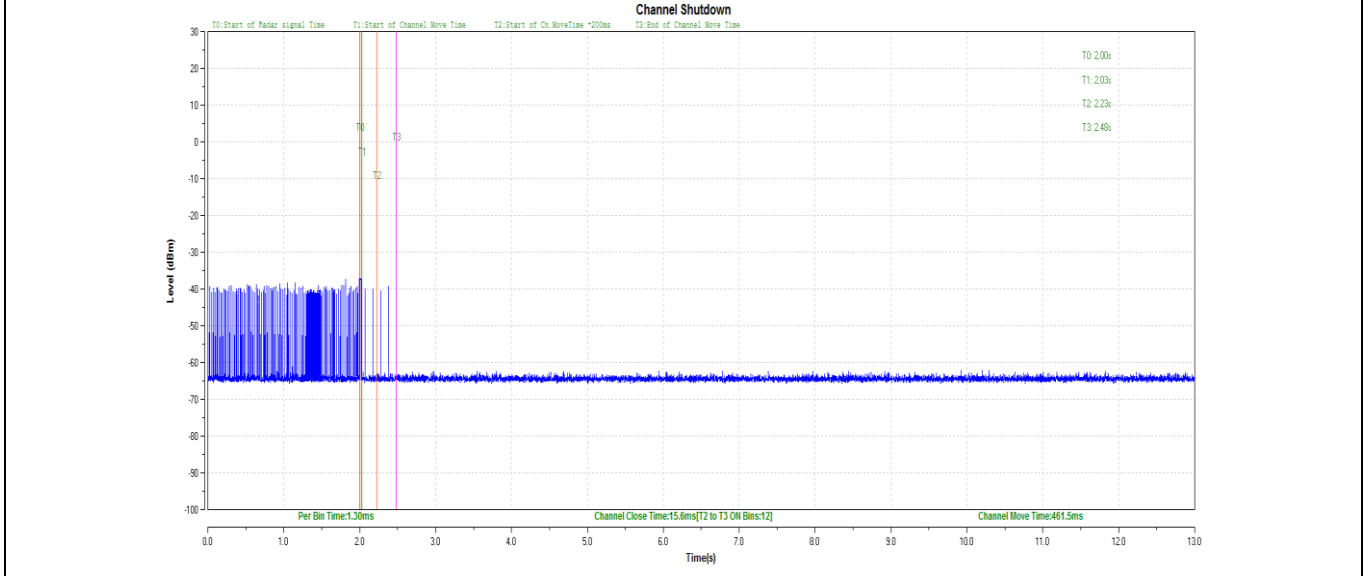
TestMode	Channel	CCT[s]	Limit[s]	CMT[ms]	Limit[ms]	Verdict
11N20SISO	5260	16.9	60	422.5	10000	PASS
	5500	16.9	60	451.1	10000	PASS
11N40SISO	5270	15.6	60	481	10000	PASS
	5510	15.6	60	461.5	10000	PASS



**11N40SISO\_5270**



11N40SISO\_5510



## 10 Test Equipment List

### Conducted Emission Test

Description	Manufacturer	Model no.	Serial no.	cal. due date
EMI Test Receiver	Rohde & Schwarz	ESR 3	101782	2020-6-28
LISN	Rohde & Schwarz	ENV4200	100249	2020-6-28
Attenuator	Shanghai Huaxiang	TS2-26-3	080928189	2020-6-28
Test software	Rohde & Schwarz	EMC32	Version9.15.00	N/A

### Radiated Emission Test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	101031	2020-6-28
High Pass Filter (HPF)	UCL	UCL-BPF1-7G	1504005103	2020-6-28
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	707	2020-6-29
Horn Antenna	Rohde & Schwarz	HF907	102295	2020-6-22
Wideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	12827	2020-7-12
Pre-amplifier	Rohde & Schwarz	SCU 18	102230	2020-6-28
Pre-amplifier	Rohde & Schwarz	SCU 40A	100432	2020-7-16
Attenuator	Agilent	8491A	MY39264334	2020-6-28
3m Semi-anechoic chamber	TDK	9X6X6	----	2020-7-7
Test software	Rohde & Schwarz	EMC32	Version 9.15.00	N/A

### RF conducted test

DESCRIPTION	MANUFACTURER	MODEL NO.	SERIAL NO.	CAL. DUE DATE
Signal Analyzer	Rohde & Schwarz	FSV40	101030	2020-6-28
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	101226/100851	2020-6-28
Power Splitter	Weinschel	1580	SC319	2020-7-7
Vector Signal Generator	Rohde & Schwarz	SMBV100A	262825	2020-6-28
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	101226/100851	2020-7-6
Test software	Tonscend	System for BT/WIFI	Version 2.6	N/A

## 11 System Measurement Uncertainty

For a 95% confidence level, the measurement expanded uncertainties for defined systems, in accordance with the recommendations of ISO 17025 were:

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Conducted Emission 150kHz-30MHz (for test using AMN ENV432 or ENV4200)	3.62dB
Uncertainty for Radiated Spurious Emission 25MHz-3000MHz	Horizontal: 4.81dB; Vertical: 4.89dB;
Uncertainty for Radiated Spurious Emission 3000MHz-18000MHz	Horizontal: 4.69dB; Vertical: 4.68dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 4.89dB; Vertical: 4.87dB;
Uncertainty for Conducted RF test with TS 8997	RF Power Conducted: 1.16dB Frequency test involved: $0.6 \times 10^{-7}$ or 1%

THE END