

9.6 Band Edge

Test Method

According to KBD789033 D02

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.

Limits:

For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

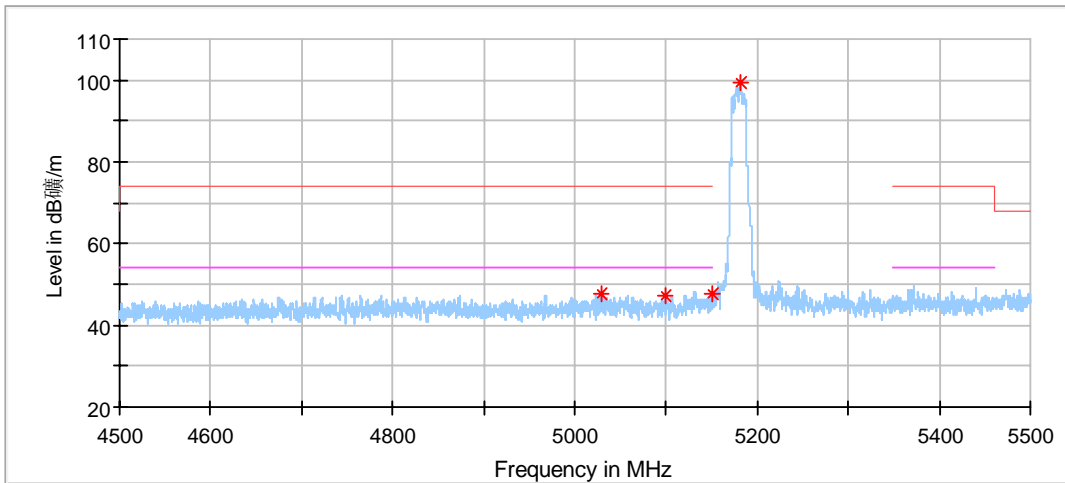
For transmitters operating in the 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed -27 dBm/MHz e.i.r.p.

For transmitters operating in the 5.725-5.85 GHz band: shall have e.i.r.p. of unwanted emissions comply with the following:

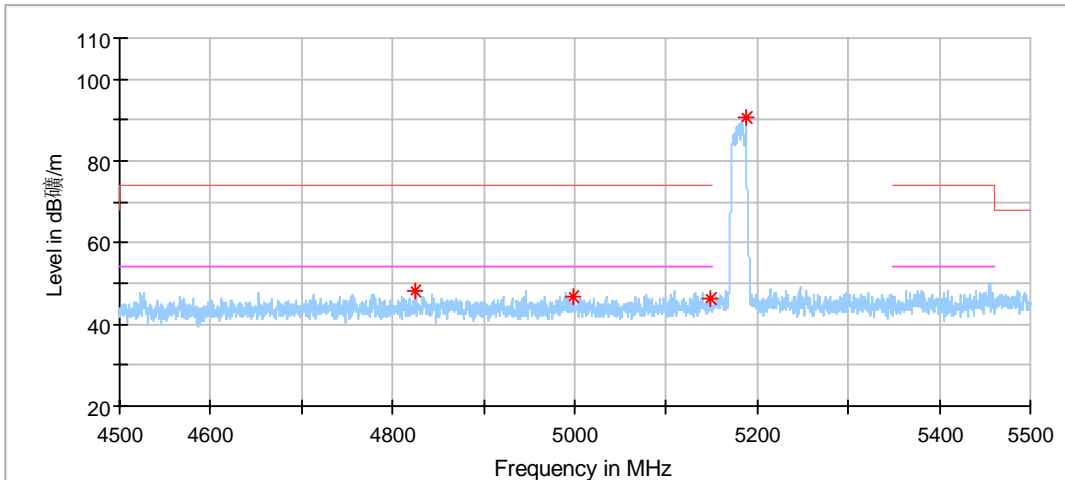
- a) 27 dBm/MHz at frequencies from the band edges decreasing linearly to 15.6 dBm/MHz at 5 MHz above or below the band edges;
- b) 15.6 dBm/MHz at 5 MHz above or below the band edges decreasing linearly to 10 dBm/MHz at 25 MHz above or below the band edges;
- c) 10 dBm/MHz at 25 MHz above or below the band edges decreasing linearly to -27 dBm/MHz at 75 MHz above or below the band edges; and
- d) -27 dBm/MHz at frequencies more than 75 MHz above or below the band edges.

Remark: only the worst case shown on the report.
802.11A20 Modulation 5180MHz Test Result



Critical_Freqs

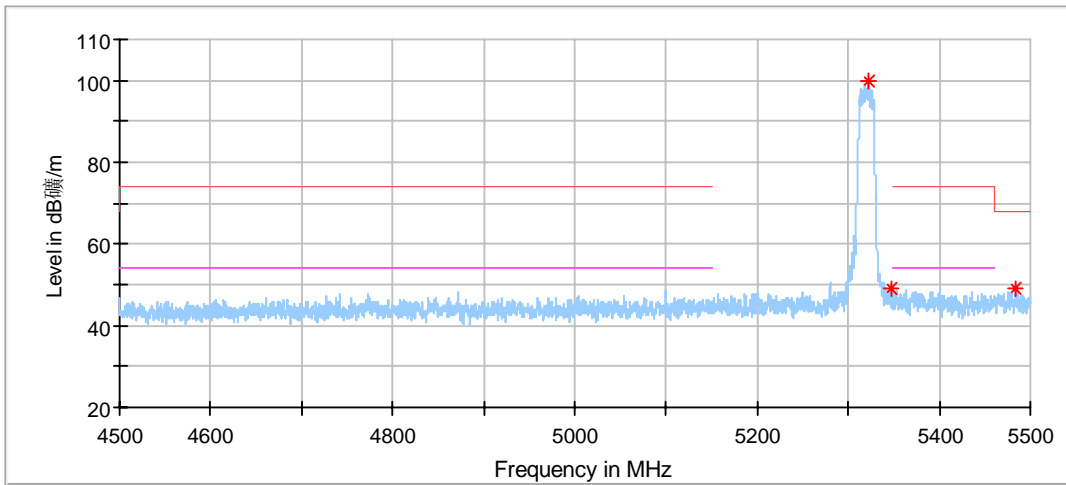
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5027.916667	47.83	74.00	26.17	150.0	H	312.0	4.63
5098.500000	47.35	74.00	26.65	150.0	H	252.0	4.93
5151.166667	47.59	---	---	150.0	H	135.0	5.39
5181.666667	99.27	---	---	150.0	H	135.0	5.46



Critical_Freqs

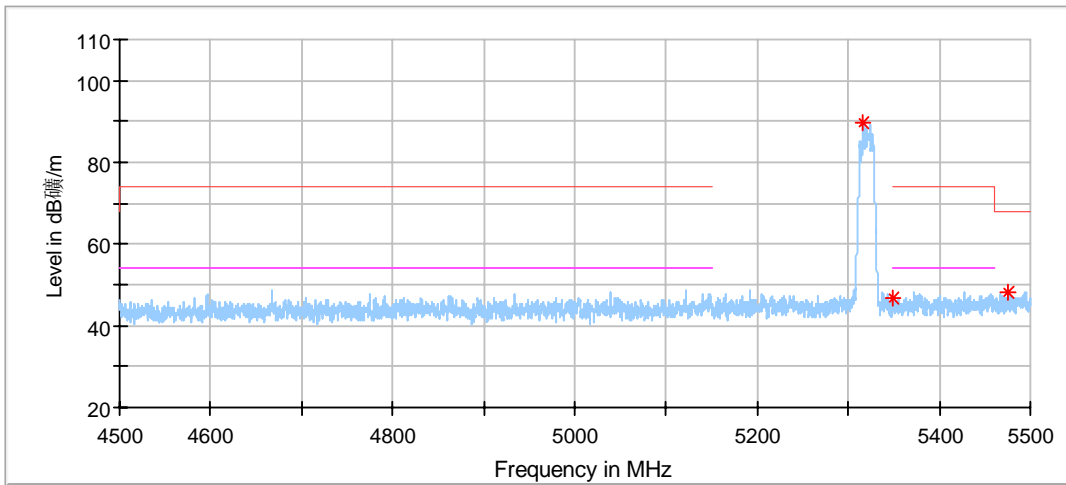
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4824.916667	48.35	74.00	25.65	150.0	V	208.0	3.86
4997.250000	46.80	74.00	27.20	150.0	V	0.0	4.64
5149.166667	46.25	74.00	27.75	150.0	V	93.0	5.38
5187.500000	90.68	---	---	150.0	V	224.0	5.45

802.11A20 Modulation 5320MHz Test Result



Critical Freqs

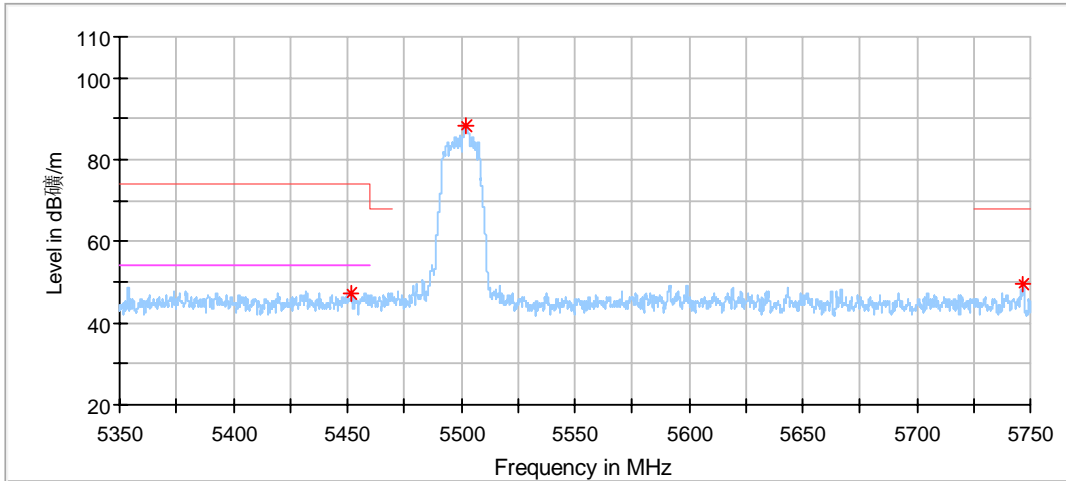
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5322.000000	99.98	---	---	150.0	H	240.0	5.56
5346.750000	48.88	---	---	150.0	H	160.0	5.40
5483.583333	49.18	68.20	19.02	150.0	H	359.0	6.04



Critical Freqs

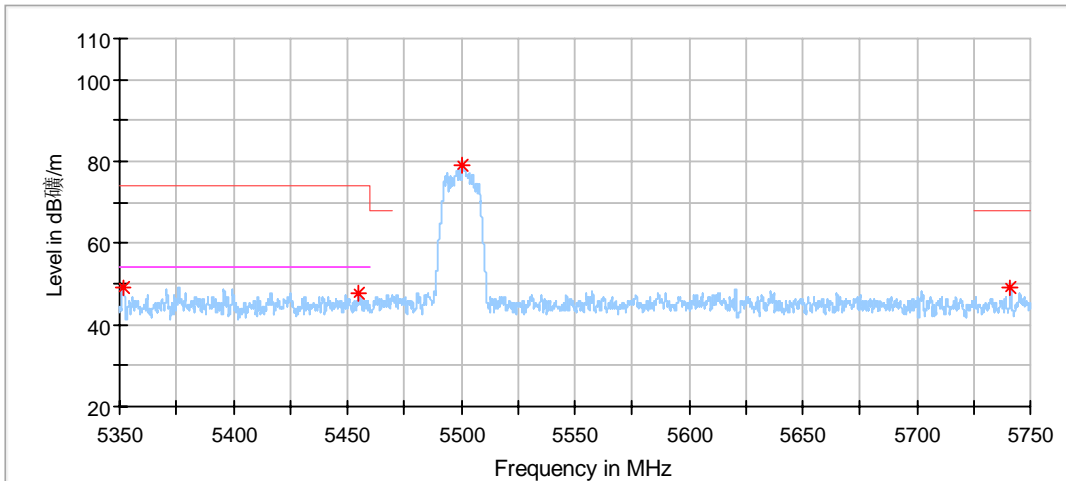
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5317.083333	89.66	---	---	150.0	V	90.0	5.55
5349.000000	46.97	---	---	150.0	V	318.0	5.38
5476.000000	48.27	68.20	19.93	150.0	V	340.0	6.01

802.11A Modulation 5500MHz Test Result



Critical Freqs

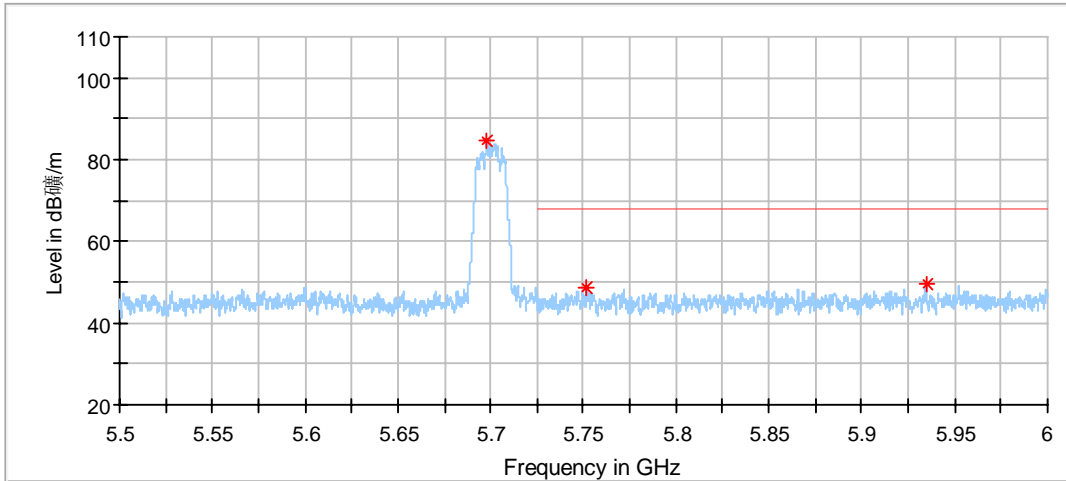
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5451.500000	47.35	74.00	26.65	150.0	H	31.0	5.85
5502.033333	88.17	---	---	150.0	H	296.0	5.89
5746.900000	49.65	68.20	18.55	150.0	H	112.0	5.39



Critical Freqs

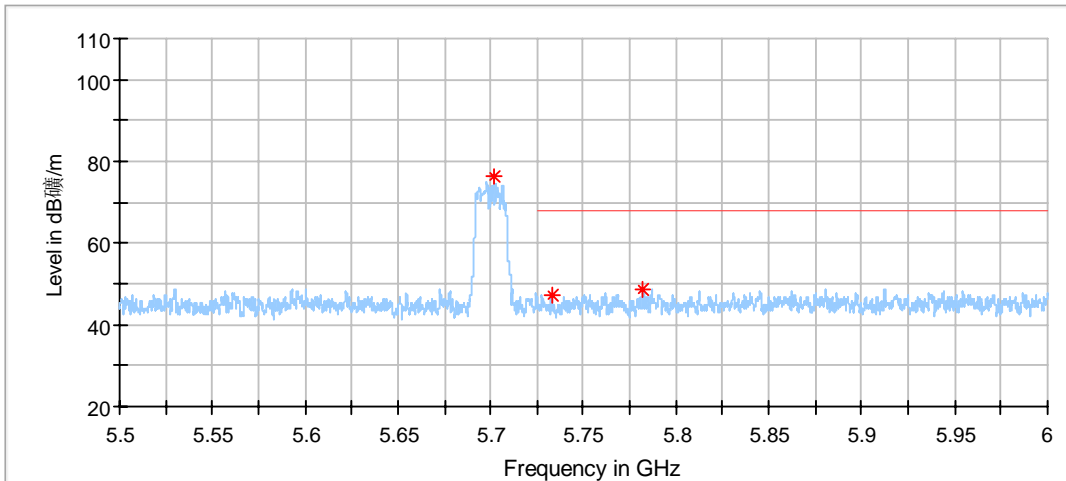
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5351.500000	48.93	74.00	25.07	150.0	V	261.0	5.37
5455.366667	47.57	74.00	26.43	150.0	V	139.0	5.88
5500.633333	78.90	---	---	150.0	V	224.0	5.90
5741.100000	49.06	68.20	19.14	150.0	V	18.0	5.39

802.11A Modulation 5700MHz Test Result



Critical Freqs

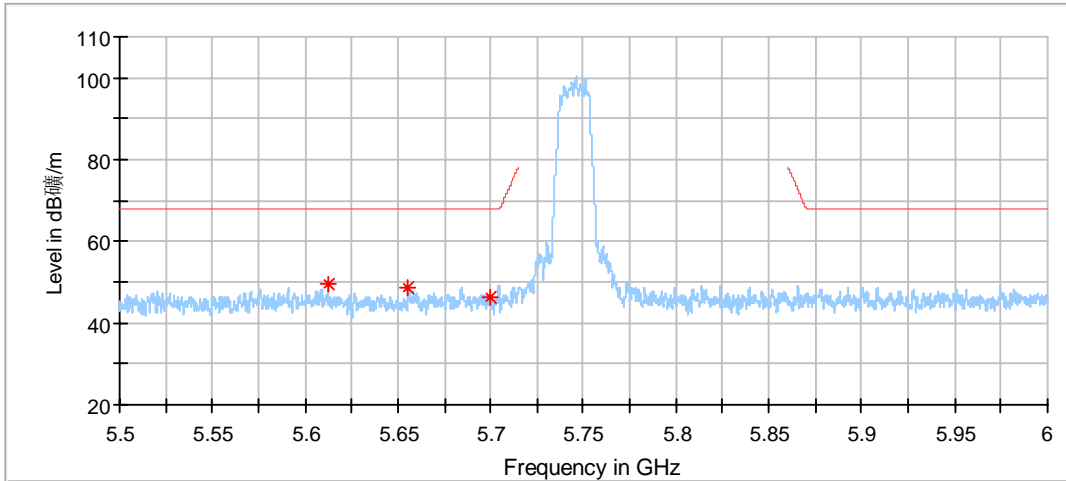
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5698.041667	84.81	---	---	150.0	H	326.0	5.40
5751.791667	48.40	68.20	19.80	150.0	H	198.0	5.40
5934.875000	49.56	68.20	18.64	150.0	H	236.0	5.89



Critical Freqs

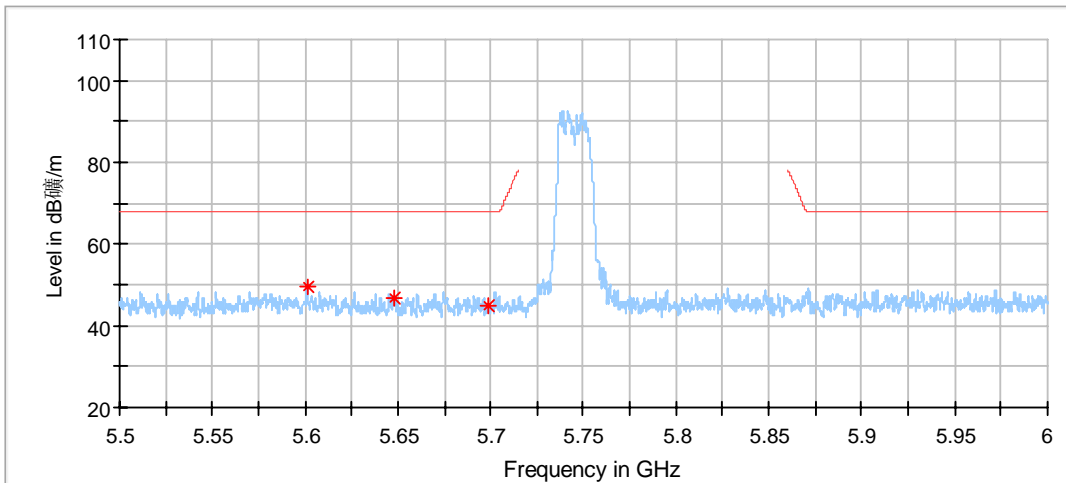
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5701.625000	76.09	---	---	150.0	V	218.0	5.40
5732.791667	47.08	68.20	21.12	150.0	V	86.0	5.39
5782.250000	48.63	68.20	19.57	150.0	V	240.0	5.54

802.11A Modulation 5745MHz Test Result



Critical Freqs

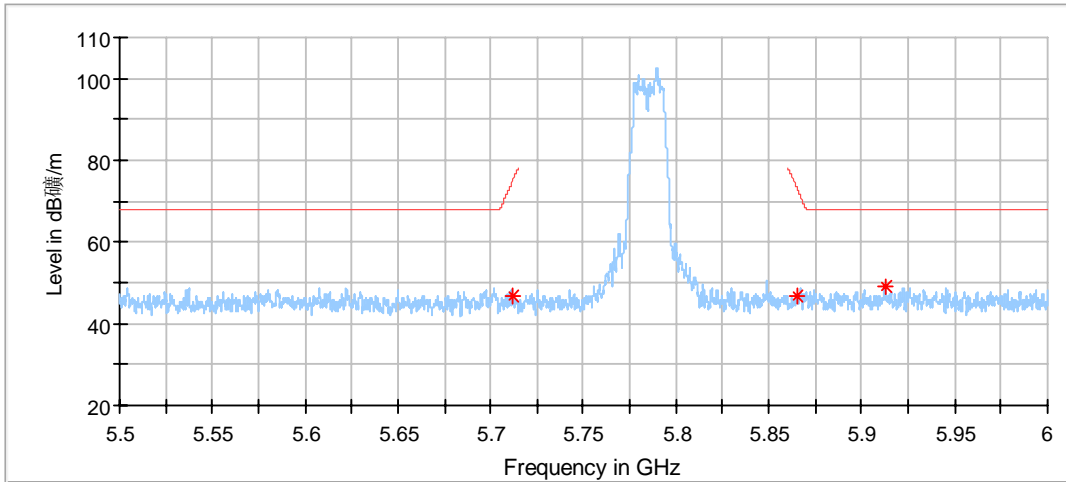
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5612.416667	49.34	68.20	18.86	150.0	H	157.0	5.60
5655.666667	48.41	68.20	19.79	150.0	H	311.0	5.28
5699.500000	46.34	68.20	21.86	150.0	H	194.0	5.40



Critical Freqs

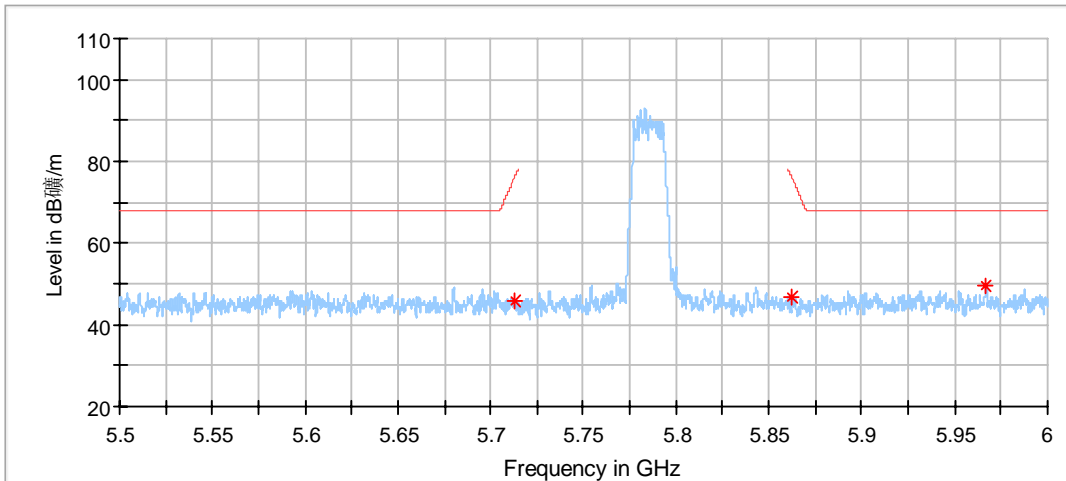
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5601.083333	49.42	68.20	18.78	150.0	V	351.0	5.70
5648.166667	46.80	68.20	21.40	150.0	V	222.0	5.27
5699.083333	44.75	68.20	23.45	150.0	V	77.0	5.40

802.11A Modulation 5825MHz Test Result



Critical Freqs

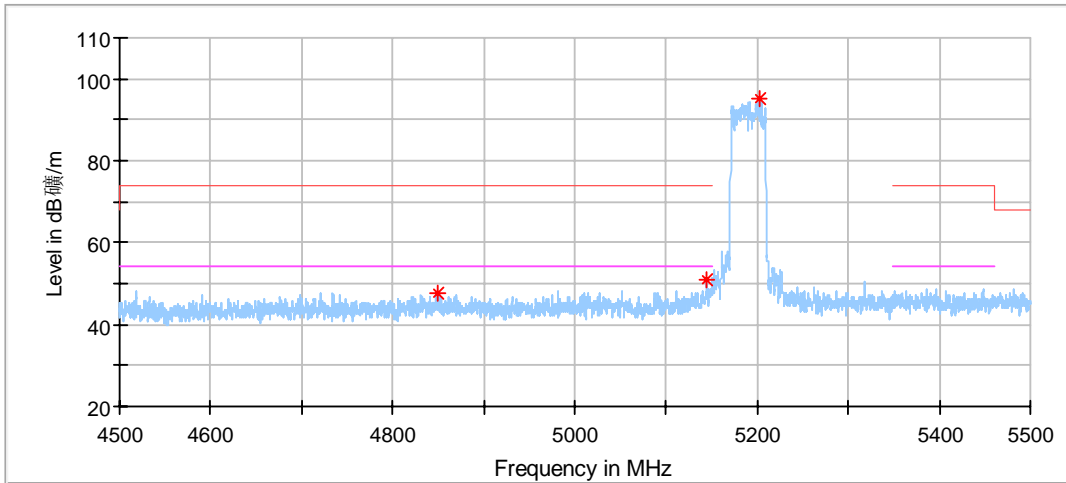
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5712.125000	46.55	75.33	28.77	150.0	H	180.0	5.40
5865.458333	46.82	72.74	25.92	150.0	H	136.0	5.78
5912.333333	49.26	68.20	18.94	150.0	H	121.0	5.87



Critical Freqs

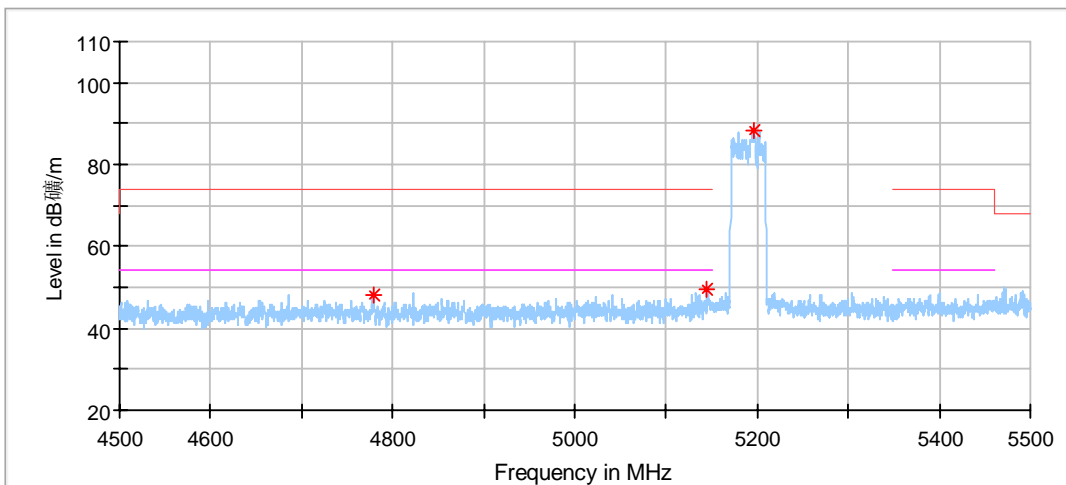
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5712.583333	45.80	75.78	29.98	150.0	V	76.0	5.40
5862.333333	46.83	75.87	29.04	150.0	V	0.0	5.76
5966.791667	49.59	68.20	18.61	150.0	V	318.0	6.06

802.11AX Modulation 5190MHz Test Result



Critical Freqs

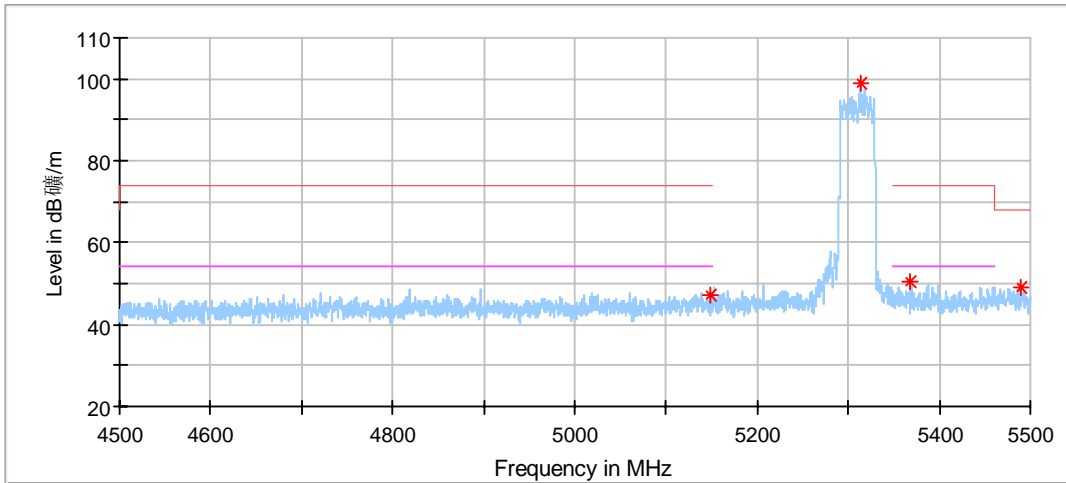
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4850.083333	47.56	74.00	26.44	150.0	H	237.0	4.04
5145.333333	50.73	74.00	23.27	150.0	H	245.0	5.34
5203.166667	95.30	---	---	150.0	H	245.0	5.43



Critical Freqs

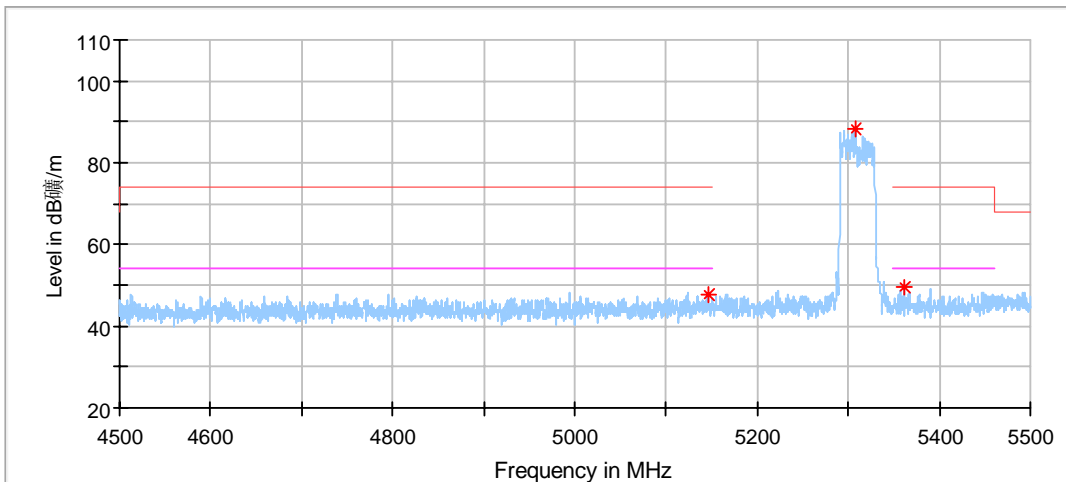
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4778.000000	48.06	74.00	25.94	150.0	V	101.0	3.71
5145.416667	49.36	74.00	24.64	150.0	V	79.0	5.34
5196.916667	88.47	---	---	150.0	V	240.0	5.43

802.11AX Modulation 5310MHz Test Result



Critical Freqs

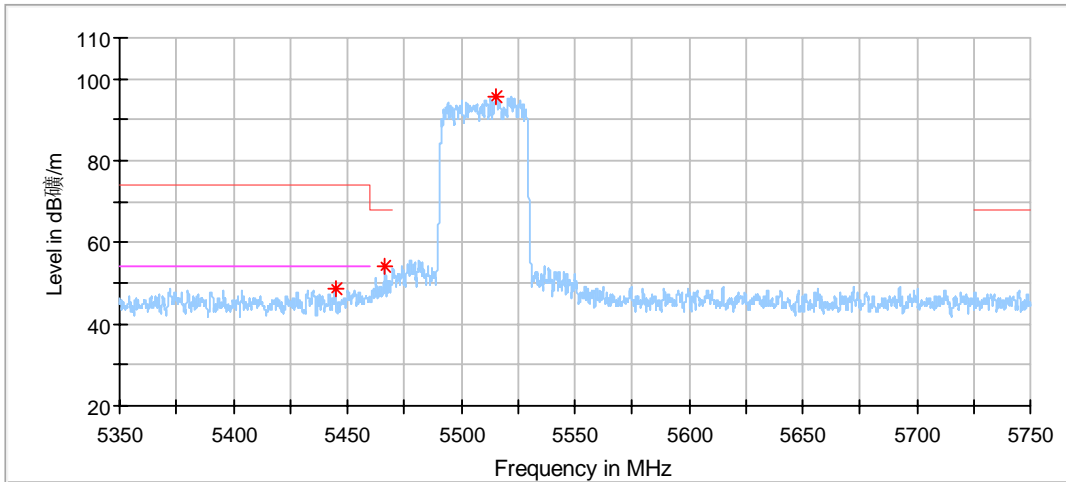
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5148.166667	47.23	74.00	26.77	150.0	H	11.0	5.37
5313.416667	99.00	---	---	150.0	H	240.0	5.54
5368.583333	50.42	74.00	23.58	150.0	H	147.0	5.33
5489.166667	49.23	68.20	18.97	150.0	H	89.0	6.00



Critical Freqs

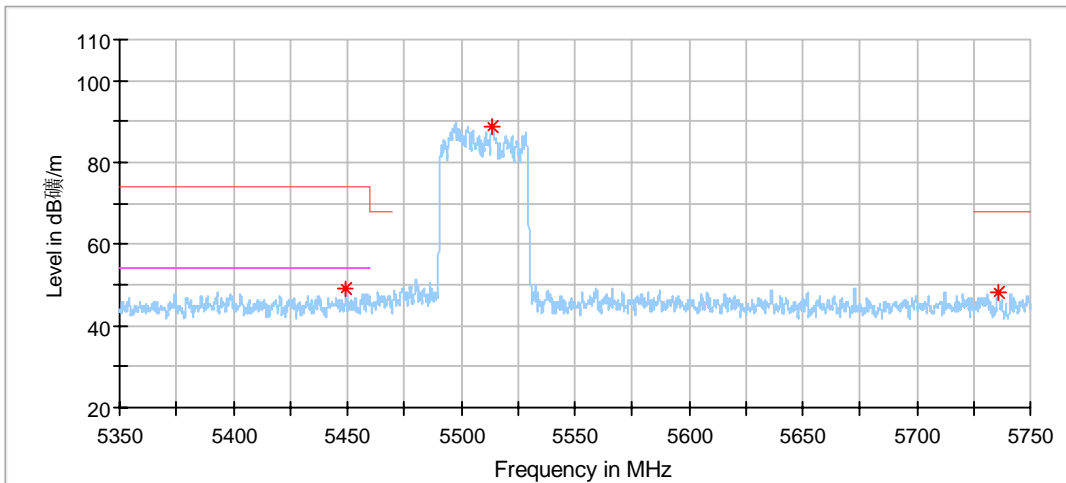
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5145.750000	47.79	74.00	26.21	150.0	V	138.0	5.35
5307.833333	88.40	---	---	150.0	V	240.0	5.51
5362.000000	49.43	74.00	24.57	150.0	V	299.0	5.34

802.11AX Modulation 5510MHz Test Result



Critical Freqs

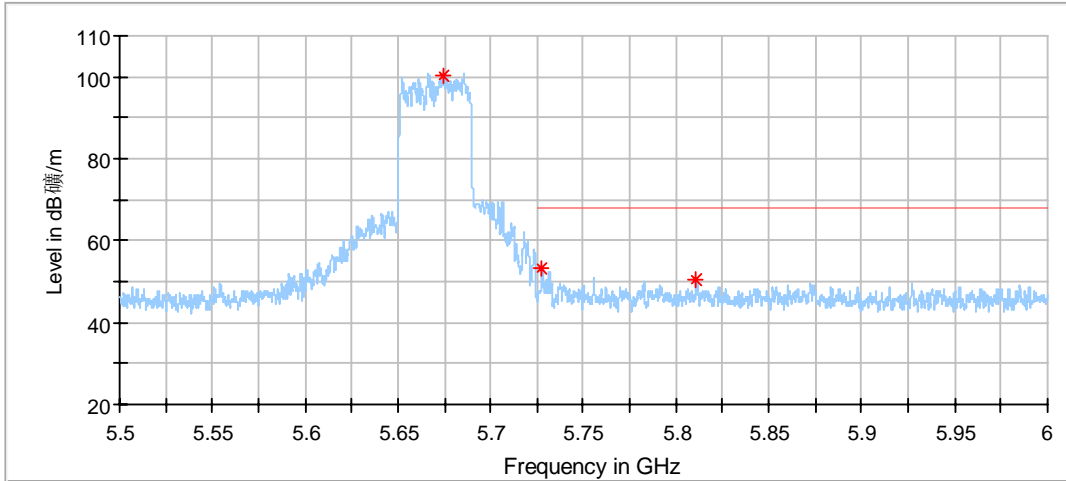
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5444.833333	48.63	74.00	25.37	150.0	H	221.0	5.80
5466.666667	54.08	68.20	14.12	150.0	H	253.0	5.95
5515.400000	95.57	---	---	150.0	H	171.0	5.79



Critical Freqs

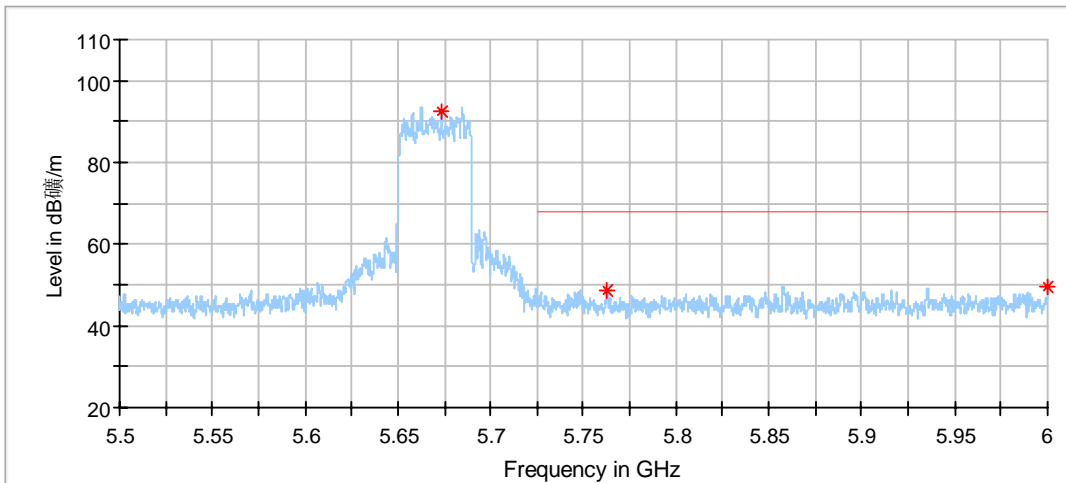
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5449.266667	48.90	74.00	25.10	150.0	V	261.0	5.84
5513.433333	88.59	---	---	150.0	V	254.0	5.80
5736.033333	48.34	68.20	19.86	150.0	V	202.0	5.39

802.11AX Modulation 5670MHz Test Result



Critical Freqs

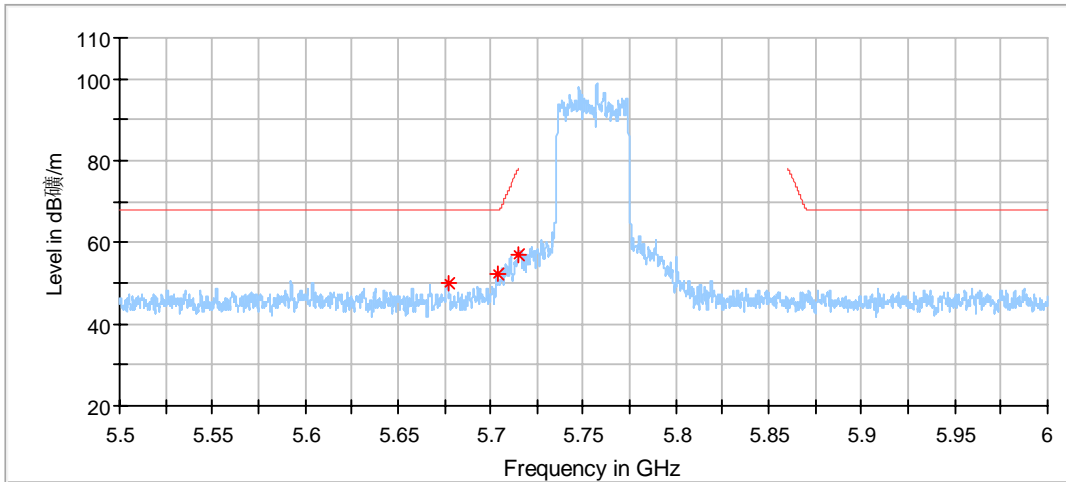
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5674.833333	100.14	---	---	150.0	H	137.0	5.33
5727.625000	53.30	68.20	14.90	150.0	H	152.0	5.39
5810.458333	50.24	68.20	17.96	150.0	H	93.0	5.62



Critical Freqs

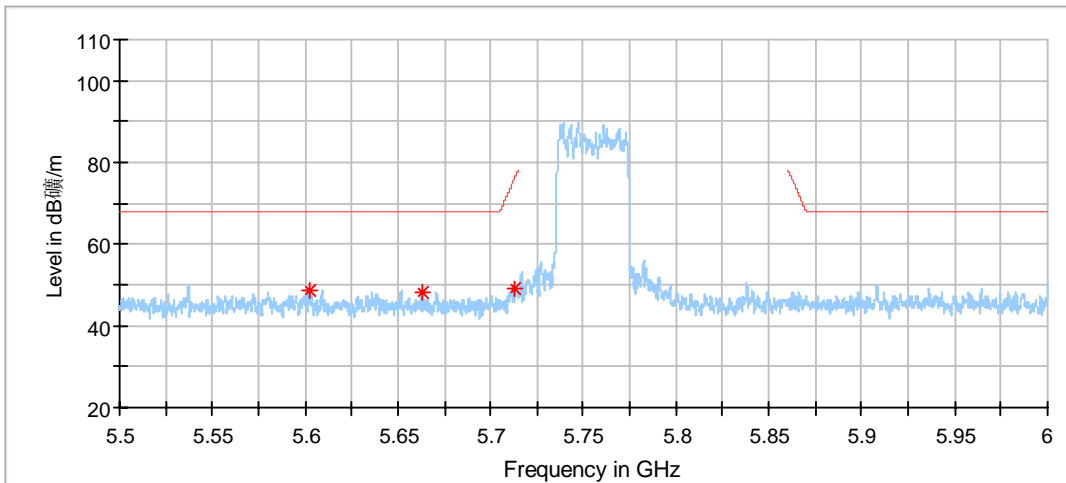
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5673.500000	92.24	---	---	150.0	V	78.0	5.33
5763.000000	48.57	68.20	19.63	150.0	V	180.0	5.46
6000.000000	49.54	68.20	18.66	150.0	V	224.0	6.23

802.11AX Modulation 5755MHz Test Result



Critical Freqs

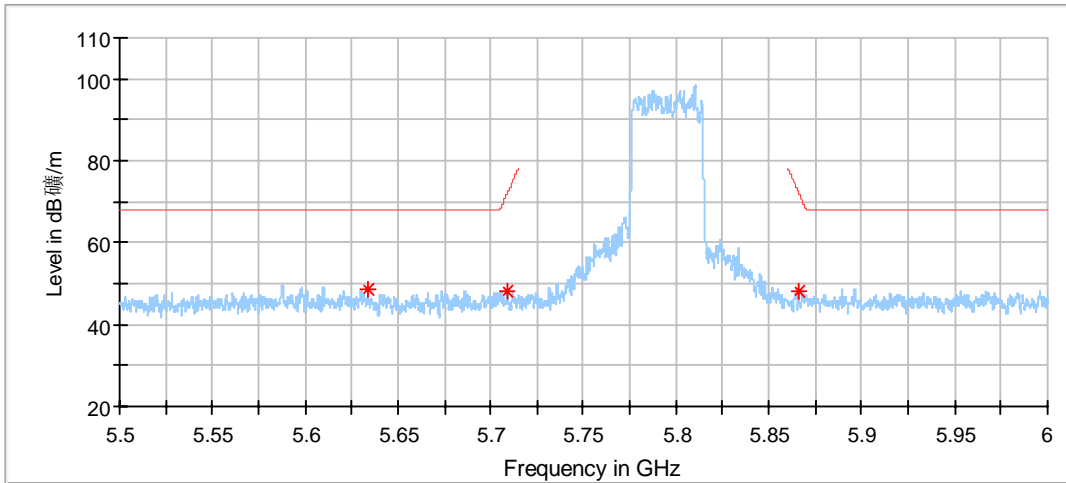
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5677.166667	49.93	68.20	18.27	150.0	H	146.0	5.34
5703.458333	52.23	68.20	15.97	150.0	H	212.0	5.40
5714.708333	56.80	77.91	21.11	150.0	H	249.0	5.40



Critical Freqs

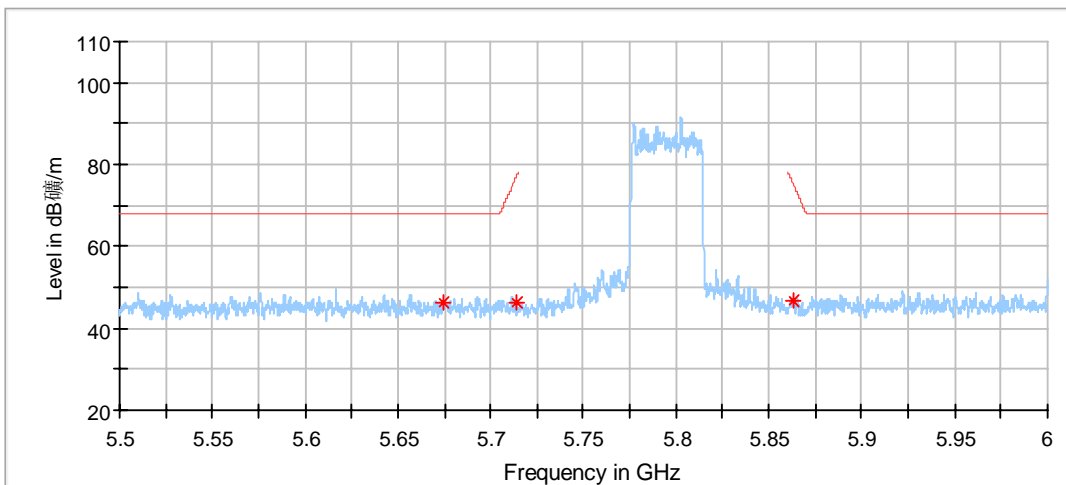
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5602.083333	48.61	68.20	19.59	150.0	V	267.0	5.69
5662.958333	48.18	68.20	20.02	150.0	V	78.0	5.30
5712.791667	49.18	75.99	26.81	150.0	V	260.0	5.40

802.11AX Modulation 5795MHz Test Result



Critical Freqs

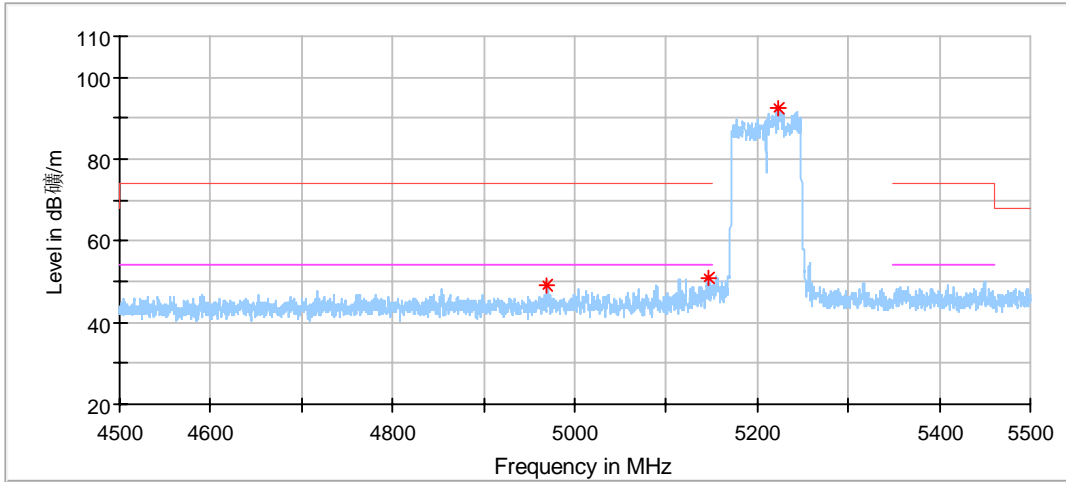
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5633.750000	48.40	68.20	19.80	150.0	H	330.0	5.40
5709.000000	48.14	72.20	24.06	150.0	H	349.0	5.40
5866.083333	47.97	72.12	24.15	150.0	H	158.0	5.78



Critical Freqs

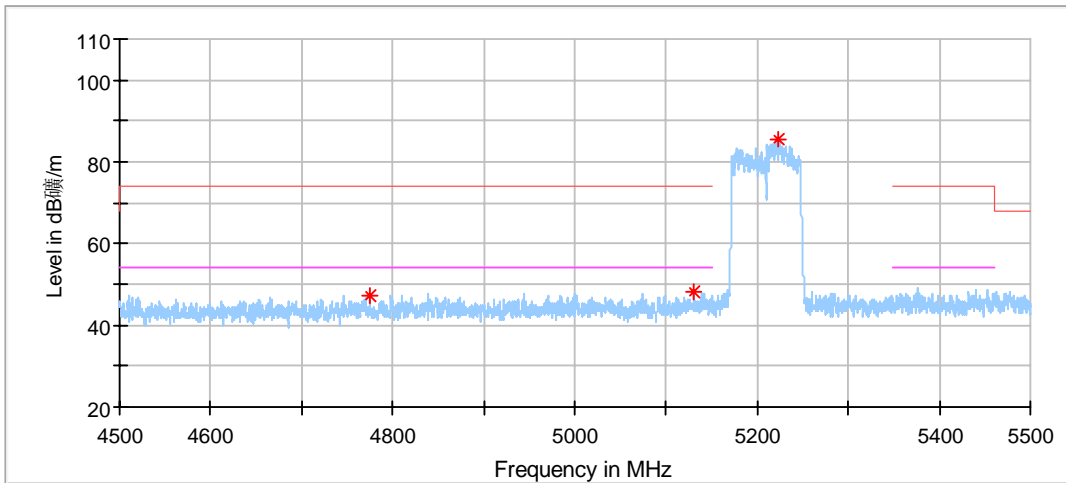
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5674.333333	46.12	68.20	22.08	150.0	V	102.0	5.33
5713.708333	46.19	76.91	30.72	150.0	V	190.0	5.40
5863.041667	46.64	75.16	28.52	150.0	V	198.0	5.76

802.11AC Modulation 5210MHz Test Result



Critical Freqs

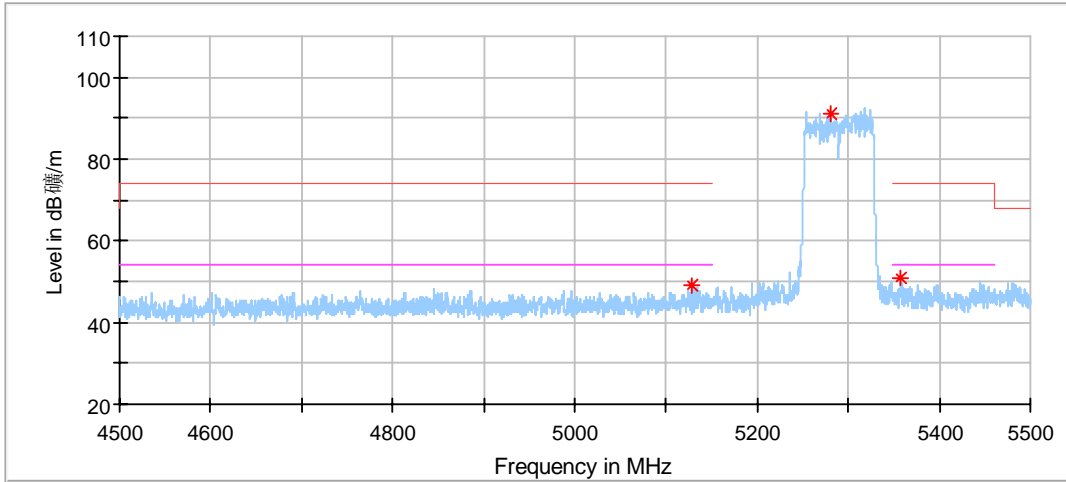
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4969.833333	48.90	74.00	25.10	150.0	H	63.0	4.53
5145.833333	50.70	74.00	23.30	150.0	H	114.0	5.35
5223.416667	92.56	---	---	150.0	H	226.0	5.44



Critical Freqs

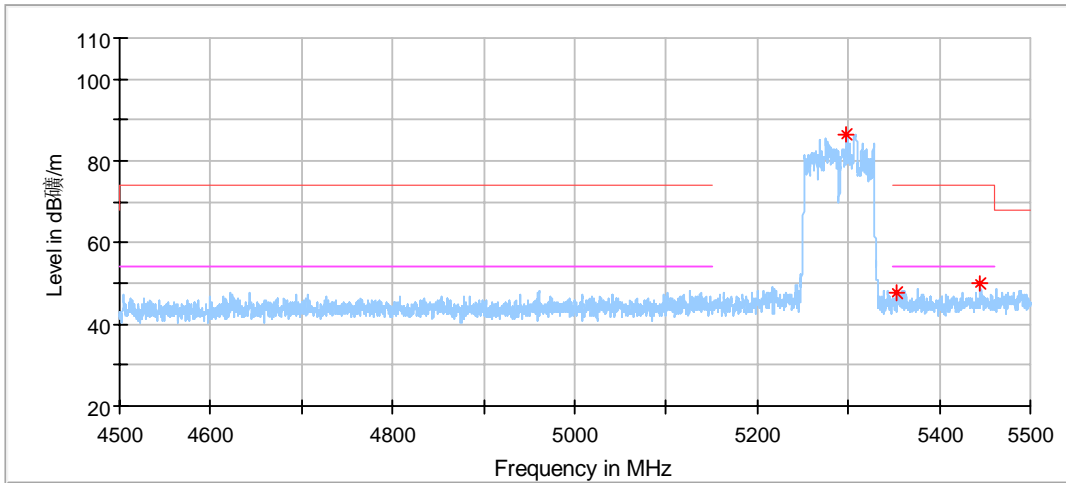
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4775.166667	47.17	74.00	26.83	150.0	V	195.0	3.70
5130.416667	48.09	74.00	25.91	150.0	V	268.0	5.20
5224.083333	85.35	---	---	150.0	V	253.0	5.44

802.11AC Modulation 5290MHz Test Result



Critical Freqs

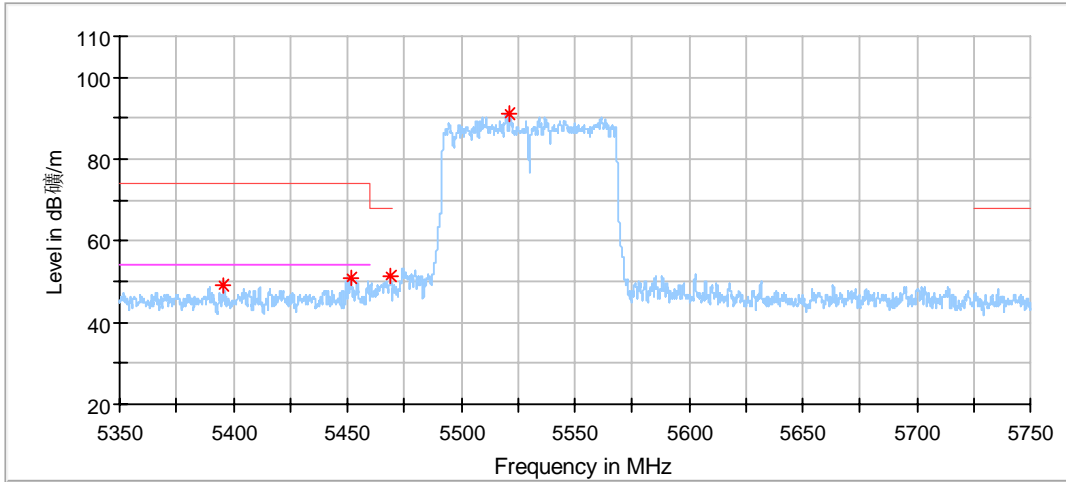
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5129.083333	49.08	74.00	24.92	150.0	H	233.0	5.19
5280.833333	91.23	---	---	150.0	H	233.0	5.33
5358.000000	50.96	74.00	23.04	150.0	H	218.0	5.35



Critical Freqs

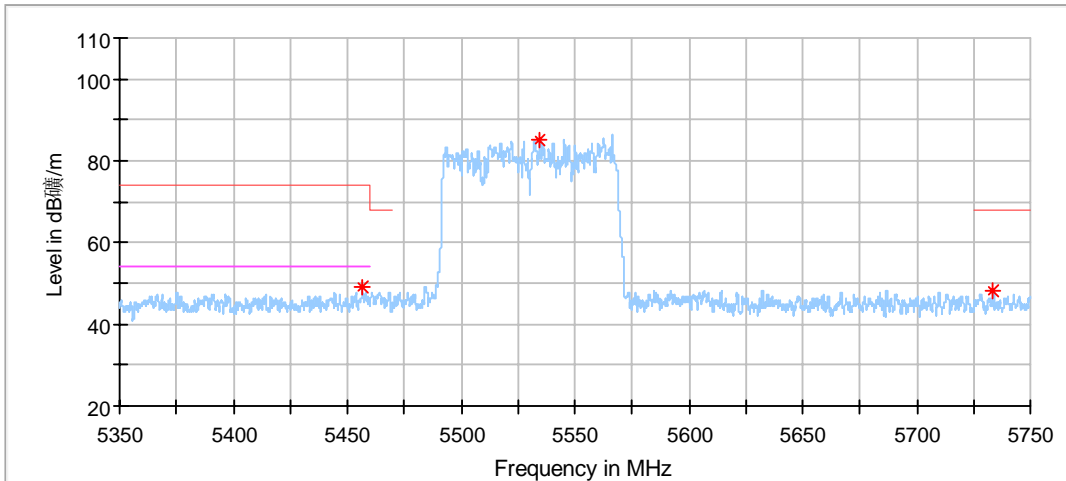
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5298.333333	86.61	---	---	150.0	V	252.0	5.47
5352.750000	47.87	74.00	26.13	150.0	V	321.0	5.37
5444.833333	49.95	74.00	24.05	150.0	V	31.0	5.80

802.11AC Modulation 5530MHz Test Result



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5395.400000	48.89	74.00	25.11	150.0	H	6.0	5.43
5451.366667	50.92	74.00	23.08	150.0	H	242.0	5.85
5469.033333	51.40	68.20	16.80	150.0	H	235.0	5.97
5521.266667	90.97	---	---	150.0	H	235.0	5.74



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5456.666667	49.19	74.00	24.81	150.0	V	40.0	5.89
5534.566667	85.12	---	---	150.0	V	242.0	5.63
5733.766667	48.11	68.20	20.09	150.0	V	269.0	5.39