

## 9.6 Spurious radiated emissions for transmitter

### Test Method

1. The EUT was placed on a turn table which is 1.5m above ground plane for above 1GHz and 0.8m above ground for below 1GHz at 3meter chamber room for test. The table was rotated 360 degrees to determine the position of the highest radiation.
2. The EUT was set 3 meters away from the interference – receiving antenna, which was mounted on the top of a variable – height antenna tower.
3. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
4. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable table was turned
5. Use the following spectrum analyzer settings According to C63.10:  
For Above 1GHz  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 1MHz, VBW $\geq$ RBW for peak measurement and VBW = 10Hz for average measurement, Sweep = auto, Detector function = peak, Trace = max hold.  
For Below 1GHz  
Use the following spectrum analyzer settings:  
Span = wide enough to capture the peak level of the in-band emission and all spurious  
RBW = 100 KHz, VBW $\geq$ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.

### Note:

1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 120 KHz for Quasi-peak detection (QP) at frequency below 1GHz.
2. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for peak detection (PK) at frequency above 1GHz.
3. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 3MHz for RMS Average ((duty cycle < 98%) for Average detection (AV) at frequency above 1GHz, then the measurement results was added to a correction factor (20log(1/duty cycle)).
4. The resolution bandwidth of test receiver/spectrum analyzer is 1MHz and the video bandwidth is 10Hz (duty cycle > 98%) for Average detection (AV) at frequency above 1GHz.

## Limit

The radio emission outside the operating frequency band shall be at least 20 dB below that in the 100 kHz bandwidth within the band that contains the highest level of the desired power. Radiated emissions which fall in the restricted bands, as defined in section 15.205, must comply with the radiated emission limits specified in section 15.209.

Frequency MHz	Field Strength uV/m	Field Strength dBµV/m	Detector
30-88	100	40	QP
88-216	150	43.5	QP
216-960	200	46	QP
960-1000	500	54	QP
Above 1000	500	54	AV
Above 1000	5000	74	PK

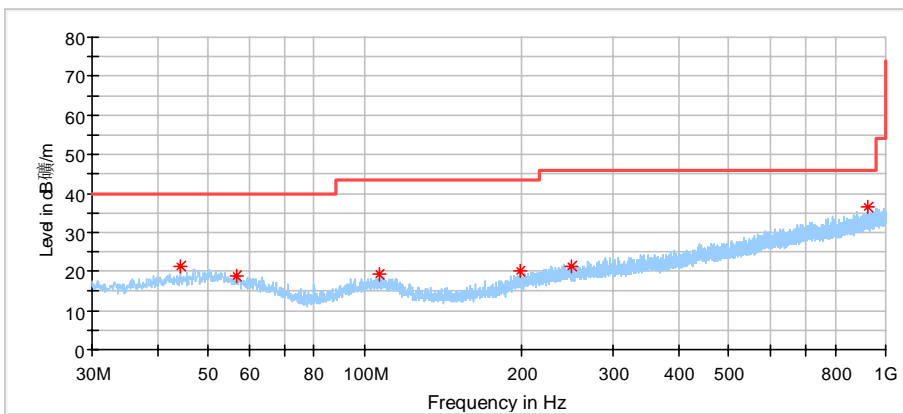
### Spurious radiated emissions for transmitter

According to C63.10, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement, so AV emission value did not show in below table if the peak value complies with average limit.

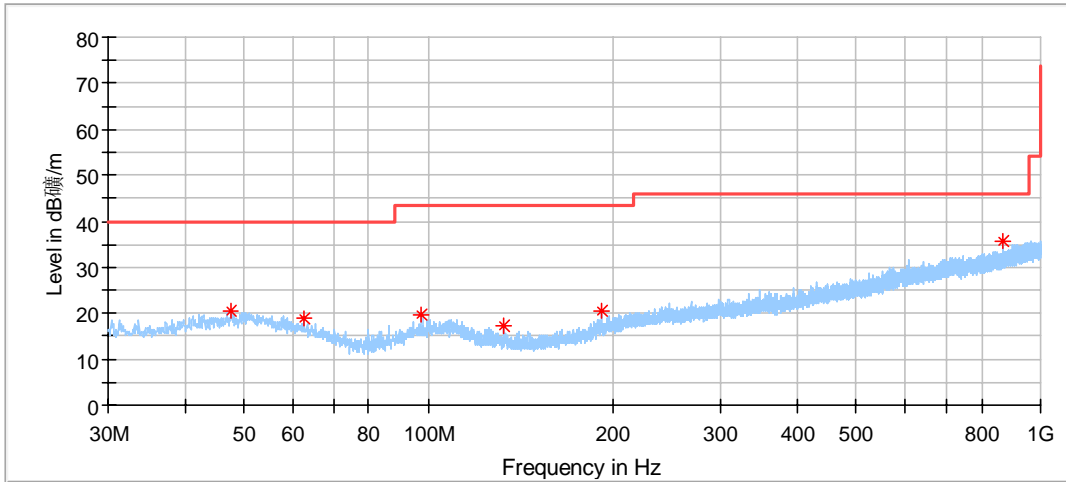
Above 1GHz: Corrector factor = Antenna Factor + Cable Loss- Pre-amplifier  
 Below 1GHz: Corrector factor = Antenna Factor + Cable Loss  
 Emission Level = Reading level + Correction Factor  
 (The Reading Level is recorded by software which is not shown in the sheet)

### Transmitting spurious emission test result as below:

Below 1G:

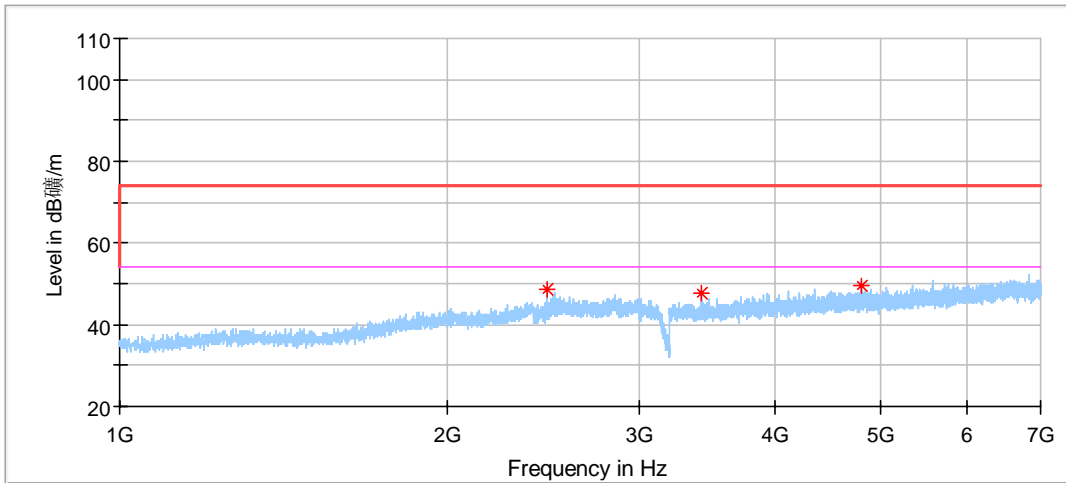


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
44.280556	21.15	40.00	18.85	100.0	H	201.0	14.1
56.728889	18.79	40.00	21.21	100.0	H	331.0	13.6
106.953333	19.21	43.50	24.29	100.0	H	174.0	12.4
198.510556	19.95	43.50	23.55	100.0	H	174.0	12.0
250.297778	21.32	46.00	24.68	100.0	H	229.0	14.0
927.842778	36.70	46.00	9.30	100.0	H	129.0	26.1

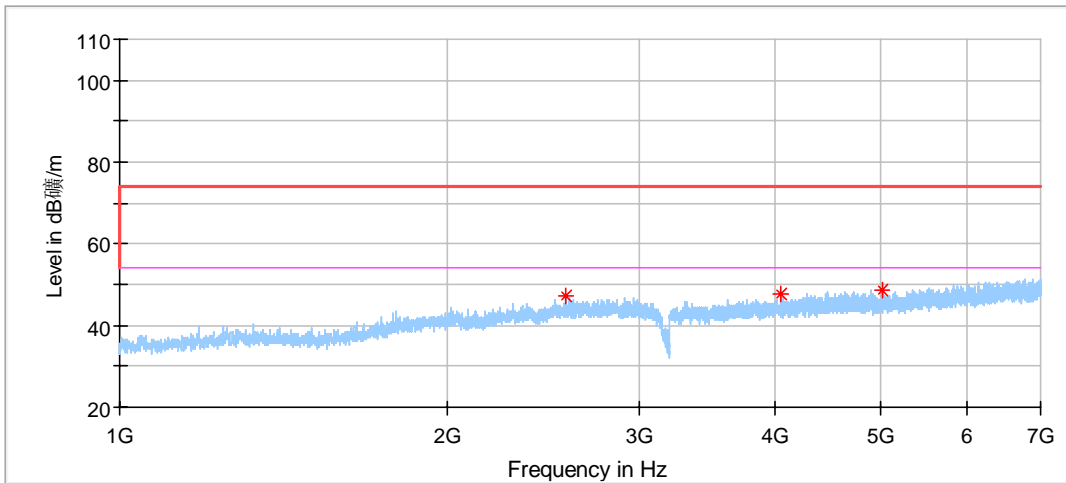


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
47.675556	20.47	40.00	19.53	100.0	V	152.0	14.5
62.764444	18.76	40.00	21.24	100.0	V	341.0	12.4
97.576667	19.63	43.50	23.87	100.0	V	270.0	11.7
132.873889	17.42	43.50	26.08	100.0	V	359.0	9.1
191.612778	20.37	43.50	23.13	100.0	V	261.0	11.5
869.319444	35.75	46.00	10.25	100.0	V	215.0	25.0

802.11b modulation 2412MHz

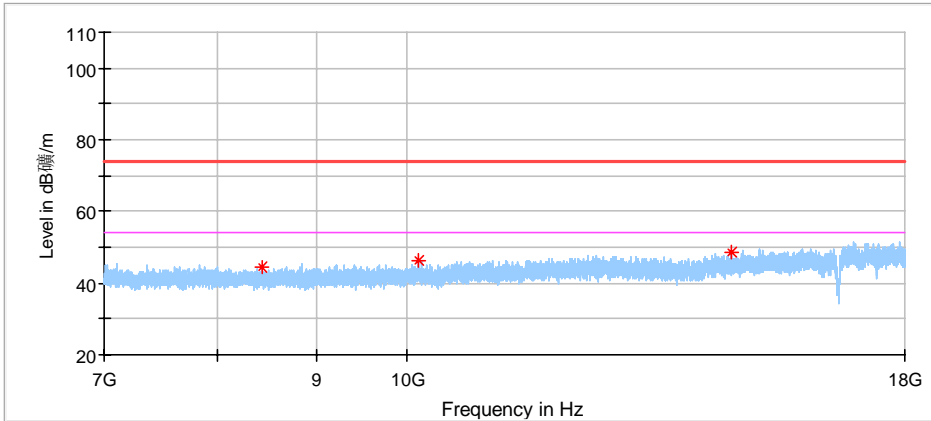


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2467.000000	48.53	74.00	25.47	150.0	H	8.0	-3.4
3424.500000	47.47	74.00	26.53	150.0	H	206.0	-1.2
4805.000000	49.76	74.00	24.24	150.0	H	219.0	2.5

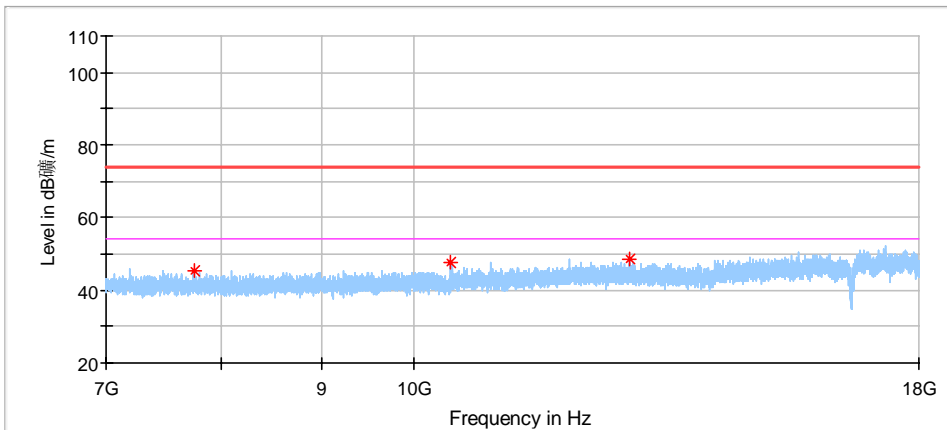


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2564.500000	47.10	74.00	26.90	150.0	V	266.0	-3.2
4038.000000	47.62	74.00	26.38	150.0	V	102.0	1.4
5014.000000	48.58	74.00	25.42	150.0	V	160.0	2.7

802.11b modulation 2412MHz

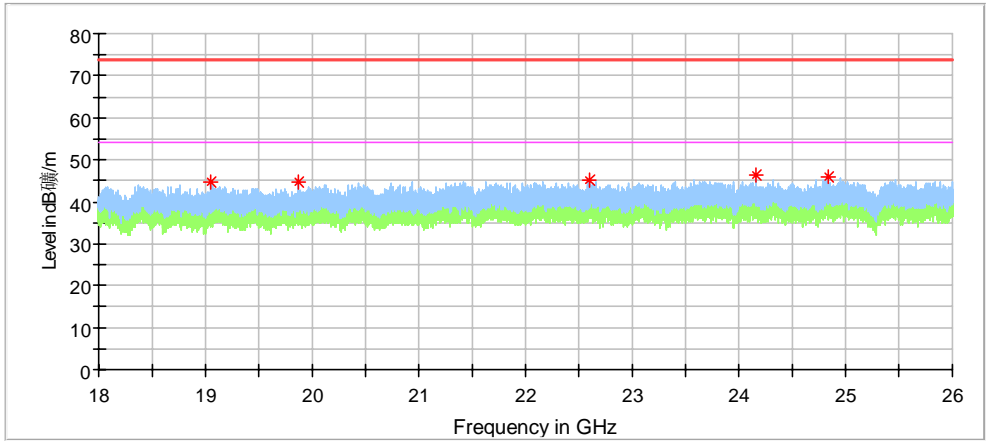


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8427.500000	44.52	74.00	29.48	150.0	H	0.0	6.4
10153.000000	46.32	74.00	27.68	150.0	H	119.0	8.2
14667.500000	48.73	74.00	25.27	150.0	H	0.0	11.4

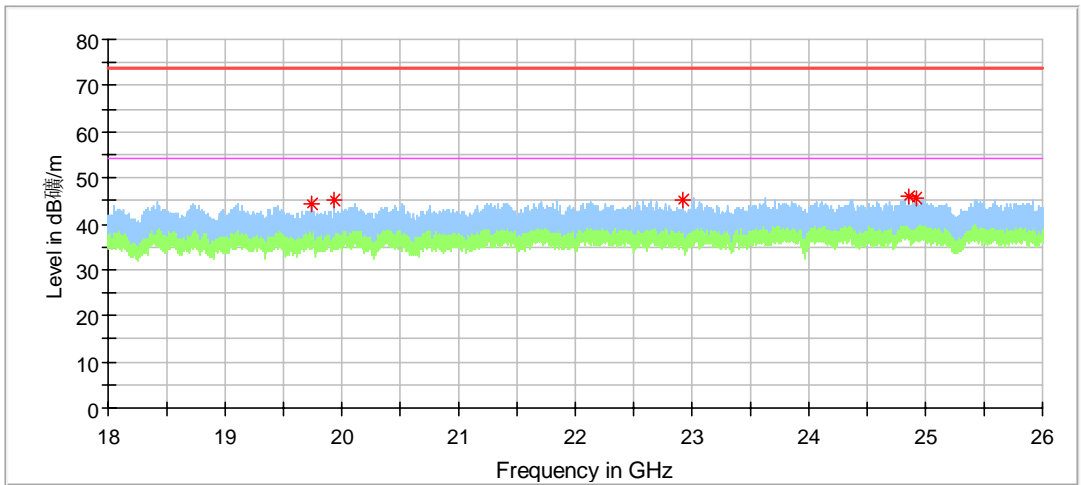


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7753.500000	45.44	74.00	28.56	150.0	V	129.0	6.3
10449.500000	47.51	74.00	26.49	150.0	V	244.0	8.0
12858.500000	48.70	74.00	25.30	150.0	V	313.0	10.0

802.11b modulation 2412MHz

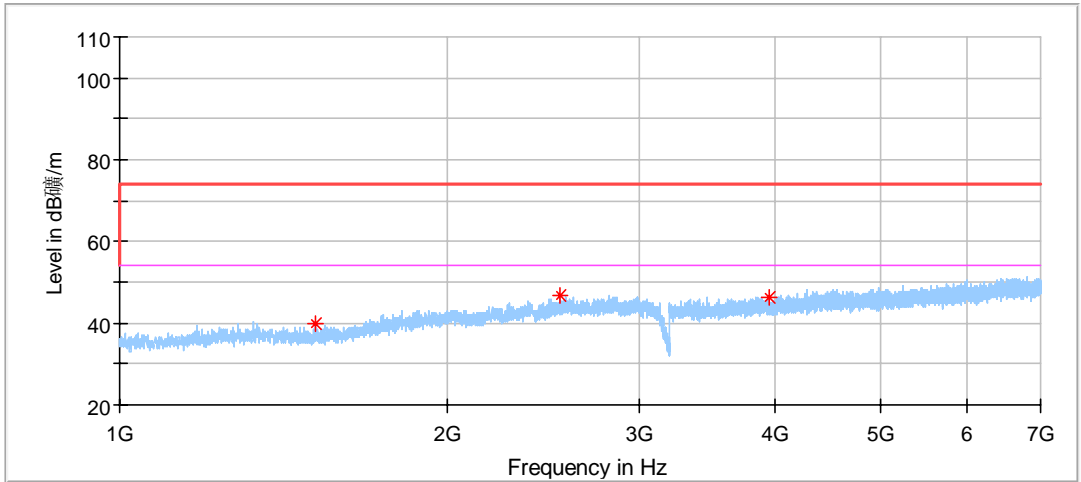


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19055.000000	44.56	74.00	29.44	150.0	H	76.0	-0.2
19872.500000	44.67	74.00	29.33	150.0	H	92.0	0.0
22593.000000	45.14	74.00	28.86	150.0	H	155.0	2.6
24155.250000	46.31	74.00	27.69	150.0	H	276.0	3.1
24833.500000	45.98	74.00	28.02	150.0	H	319.0	3.7

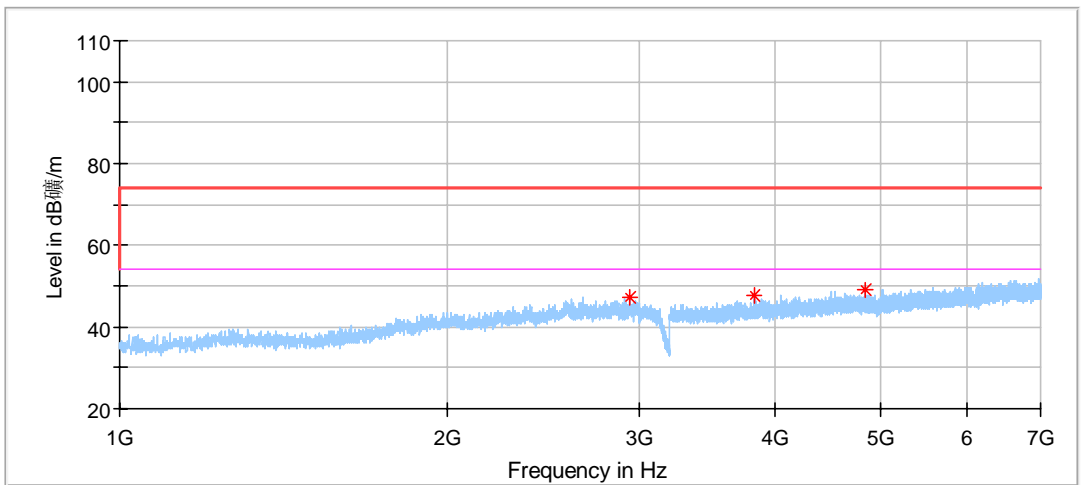


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19745.750000	44.21	74.00	29.79	150.0	V	355.0	0.0
19938.000000	44.99	74.00	29.01	150.0	V	171.0	0.1
22922.250000	45.26	74.00	28.74	150.0	V	137.0	2.7
24855.000000	45.83	74.00	28.17	150.0	V	0.0	3.7
24924.000000	45.65	74.00	28.35	150.0	V	339.0	3.8

802.11b modulation 2437MHz



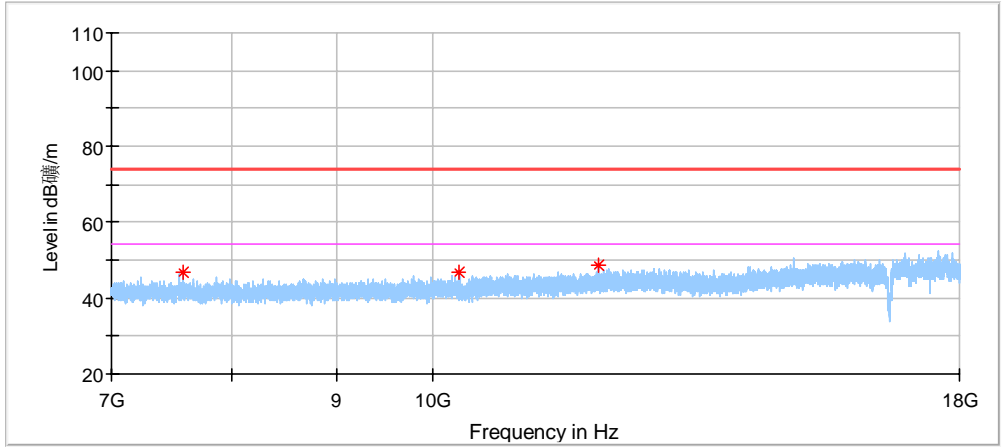
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1511.500000	40.05	74.00	33.95	150.0	H	266.0	-9.2
2534.500000	46.76	74.00	27.24	150.0	H	0.0	-3.2
3939.000000	46.39	74.00	27.61	150.0	H	170.0	1.1



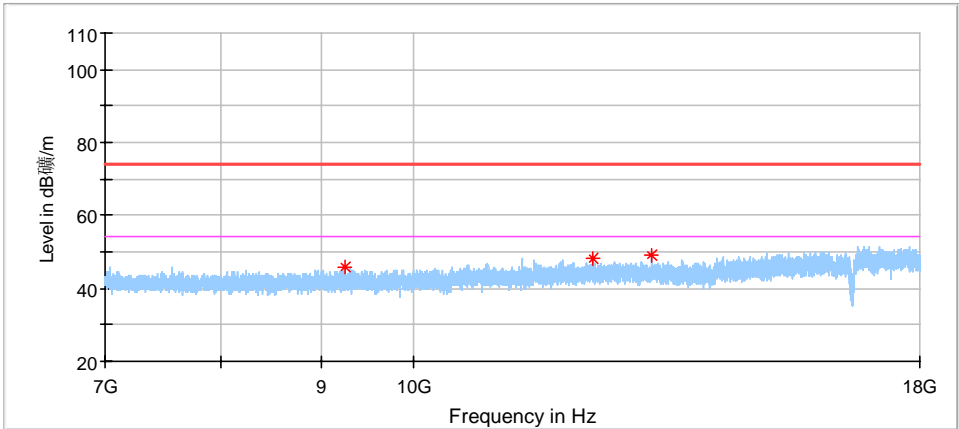
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2938.000000	47.31	74.00	26.69	150.0	V	161.0	-2.3
3828.000000	47.51	74.00	26.49	150.0	V	123.0	0.9
4828.500000	49.18	74.00	24.82	150.0	V	315.0	2.3



802.11b modulation 2437MHz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7583.000000	46.83	74.00	27.17	150.0	H	185.0	6.6
10308.500000	46.62	74.00	27.38	150.0	H	277.0	7.9
12034.500000	48.61	74.00	25.39	150.0	H	116.0	9.9

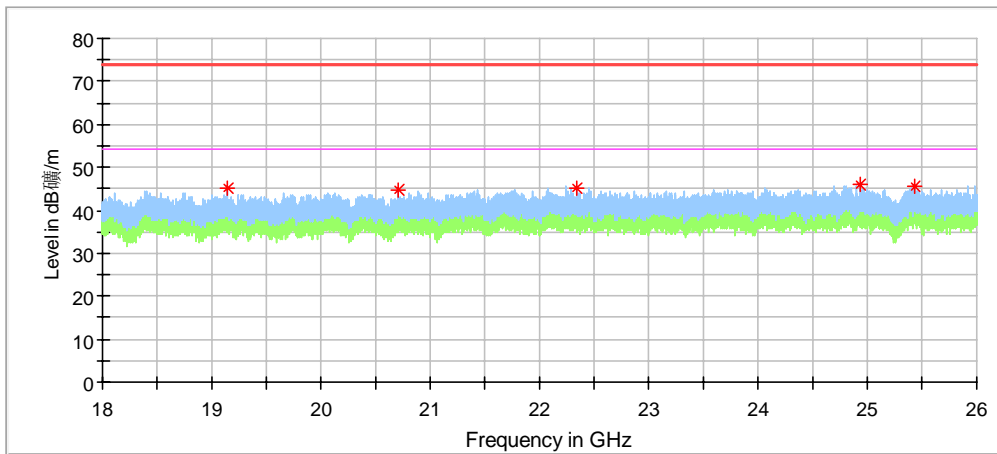


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9248.500000	45.66	74.00	28.34	150.0	V	175.0	7.2
12313.500000	48.33	74.00	25.67	150.0	V	107.0	10.1
13183.500000	48.99	74.00	25.01	150.0	V	175.0	9.6

802.11b modulation 2437MHz

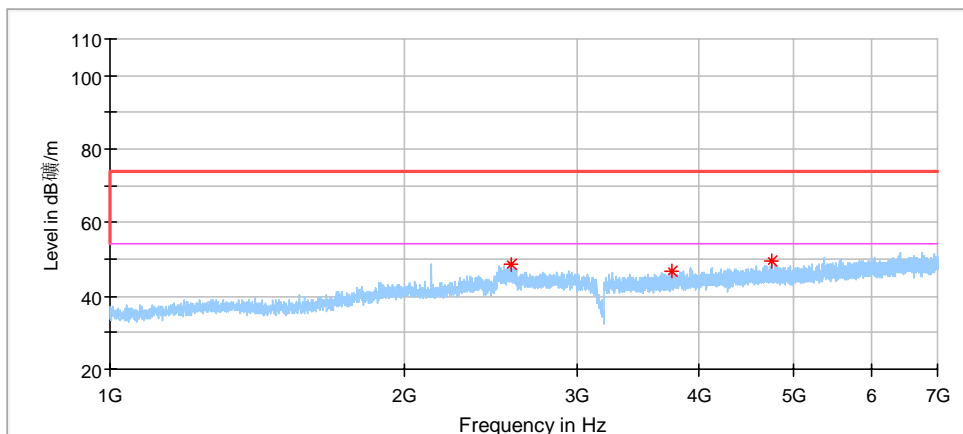


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18558.000000	45.59	74.00	28.41	150.0	H	165.0	-0.6
20114.500000	46.06	74.00	27.94	150.0	H	259.0	0.5
21440.750000	46.03	74.00	27.97	150.0	H	150.0	1.9
23856.000000	45.48	74.00	28.52	150.0	H	4.0	3.2
24099.500000	45.26	74.00	28.74	150.0	H	82.0	3.2

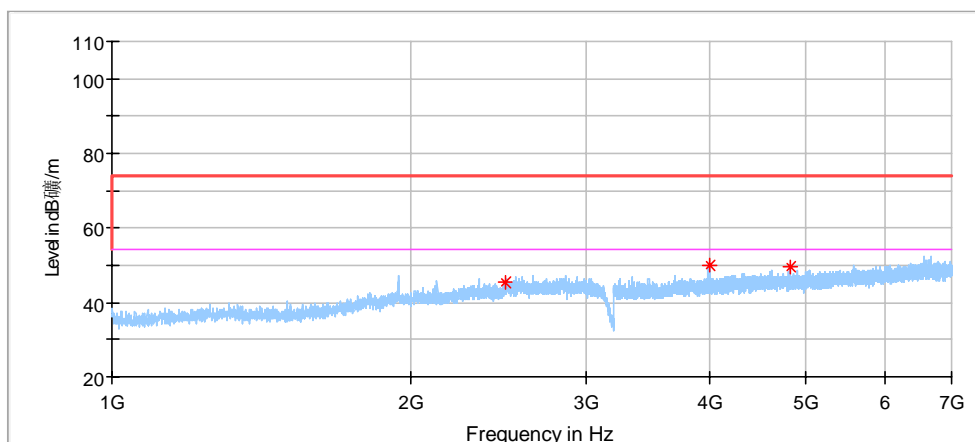


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19138.500000	45.23	74.00	28.77	150.0	V	304.0	-0.2
20707.000000	44.52	74.00	29.48	150.0	V	78.0	1.0
22340.250000	45.04	74.00	28.96	150.0	V	0.0	2.6
24941.000000	45.76	74.00	28.24	150.0	V	319.0	3.8
25437.500000	45.56	74.00	28.44	150.0	V	205.0	3.5

802.11b modulation 2462MHz

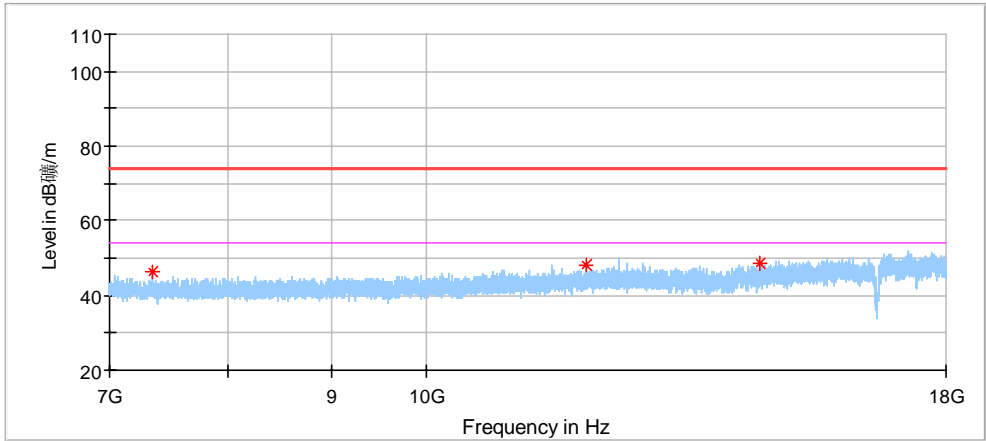


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2567.000000	48.77	74.00	25.23	150.0	H	324.0	-3.2
3749.000000	46.87	74.00	27.13	150.0	H	196.0	0.4
4743.500000	49.40	74.00	24.60	150.0	H	3.0	3.0

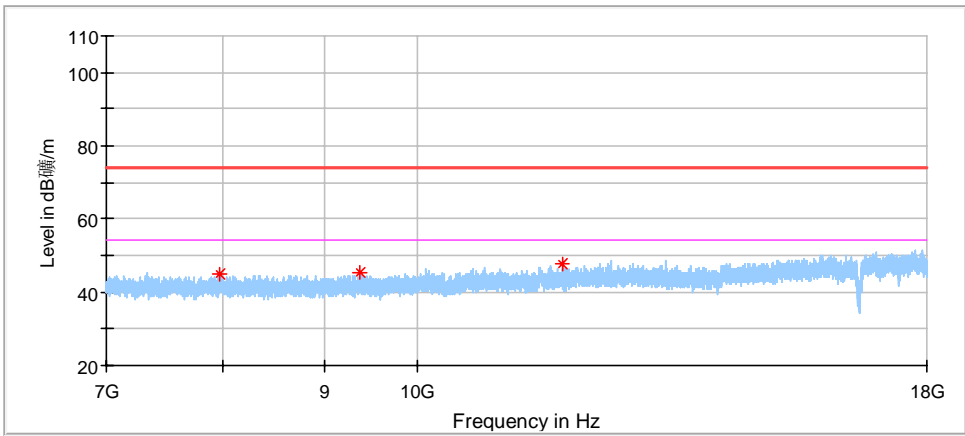


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2484.000000	45.31	74.00	28.69	150.0	V	316.0	-3.3
3996.000000	49.80	74.00	24.20	150.0	V	273.0	1.2
4809.000000	49.75	74.00	24.25	150.0	V	151.0	2.6

802.11b modulation 2462MHz

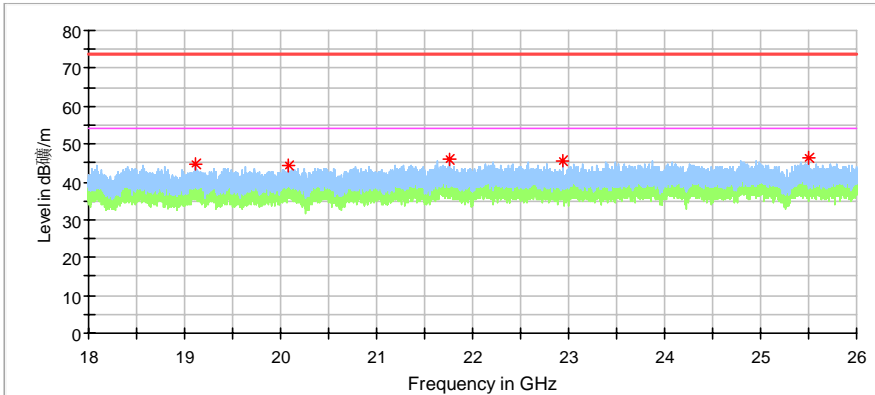


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7353.500000	46.08	74.00	27.92	150.0	H	313.0	6.4
11982.500000	48.05	74.00	25.95	150.0	H	126.0	9.7
14580.500000	48.46	74.00	25.54	150.0	H	356.0	11.1

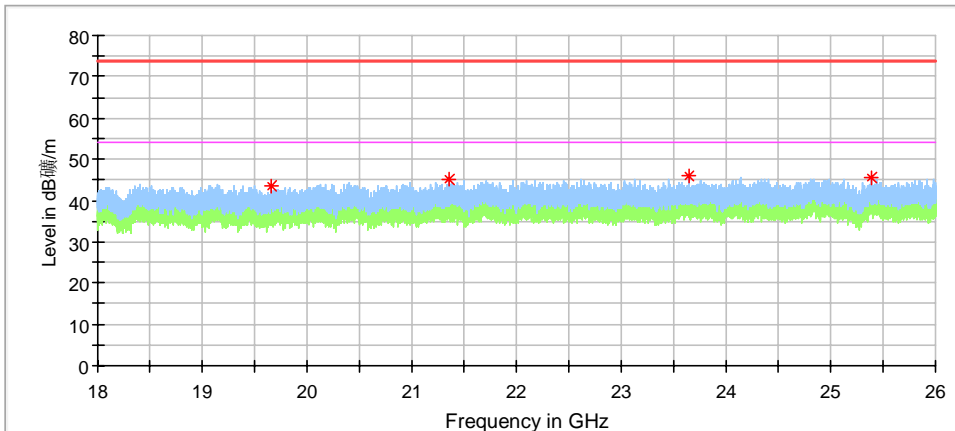


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7974.000000	44.72	74.00	29.28	150.0	V	279.0	6.5
9362.500000	45.43	74.00	28.57	150.0	V	0.0	7.3
11833.000000	47.61	74.00	26.39	150.0	V	24.0	9.2

802.11b modulation 2462MHz

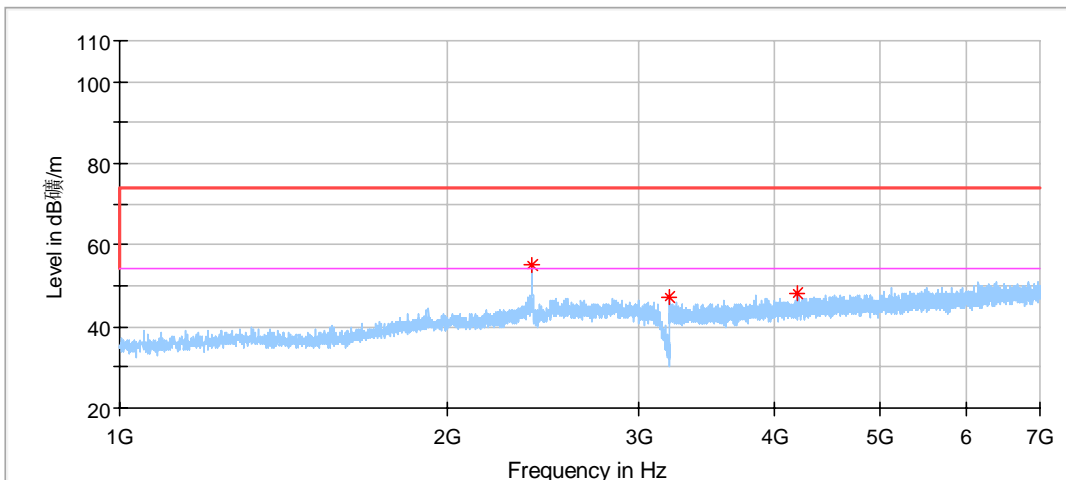


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19119.500000	44.65	74.00	29.35	150.0	H	110.0	-0.2
20085.750000	44.25	74.00	29.75	150.0	H	291.0	0.5
21752.250000	45.80	74.00	28.20	150.0	H	202.0	2.4
22936.500000	45.39	74.00	28.61	150.0	H	61.0	2.7
25496.250000	46.19	74.00	27.81	150.0	H	173.0	3.6

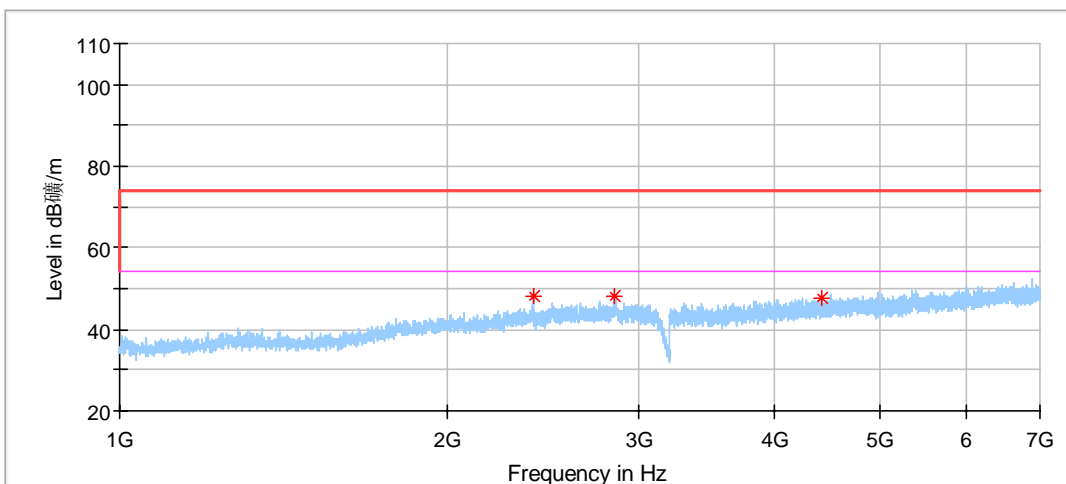


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19669.000000	43.44	74.00	30.56	150.0	V	37.0	0.0
21354.750000	45.14	74.00	28.86	150.0	V	300.0	1.9
23647.500000	45.81	74.00	28.19	150.0	V	300.0	2.9
25394.500000	45.63	74.00	28.37	150.0	V	265.0	3.5

802.11g modulation 2412MHz

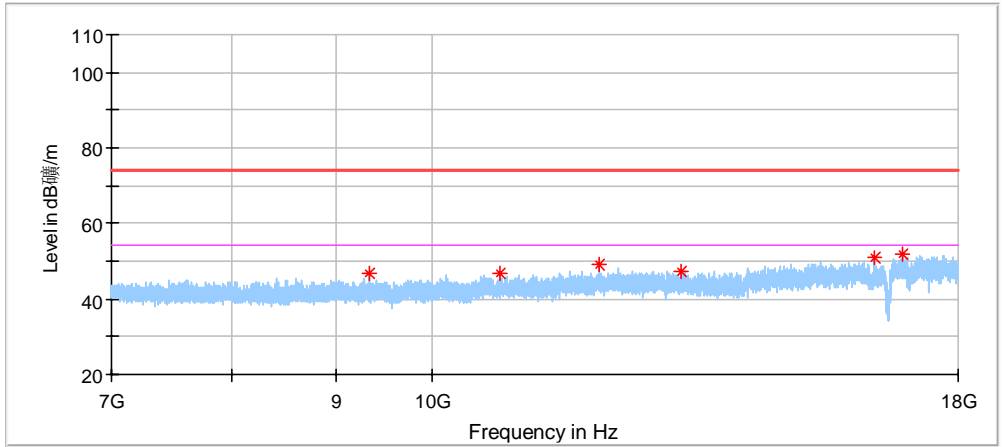


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.500000	55.02	74.00	18.98	150.0	H	342.0	-3.9
3201.500000	47.08	74.00	26.92	150.0	H	122.0	-1.1
4185.500000	48.19	74.00	25.81	150.0	H	214.0	1.9

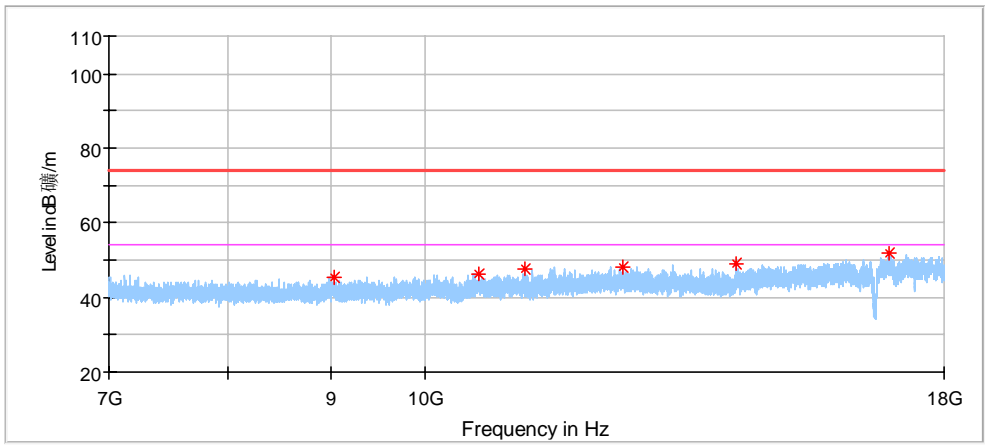


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2395.500000	47.99	74.00	26.01	150.0	V	260.0	-3.9
2842.500000	48.34	74.00	25.66	150.0	V	127.0	-2.9
4413.000000	47.58	74.00	26.42	150.0	V	344.0	2.2

802.11g modulation 2412MHz

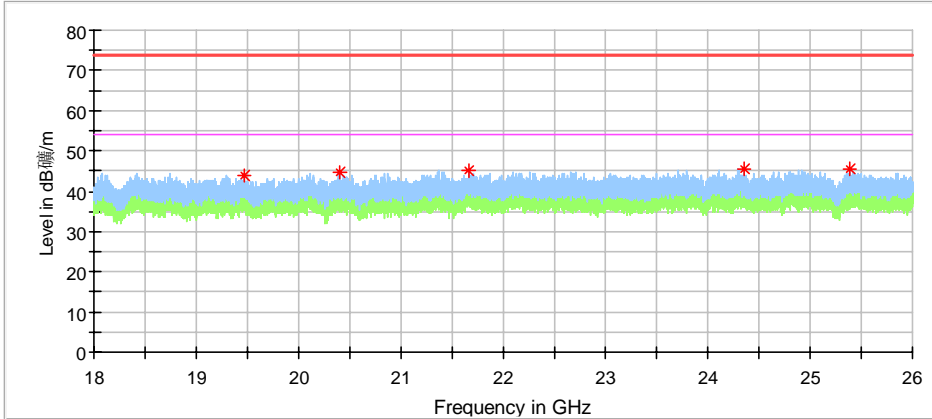


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9327.500000	46.91	74.00	27.09	150.0	H	221.0	7.3
10790.000000	46.69	74.00	27.31	150.0	H	0.0	8.1
12058.000000	48.85	74.00	25.15	150.0	H	198.0	9.9
13208.000000	47.20	74.00	26.80	150.0	H	290.0	9.7
16409.000000	50.96	74.00	23.04	150.0	H	60.0	14.9
16931.000000	51.73	74.00	22.27	150.0	H	14.0	16.5

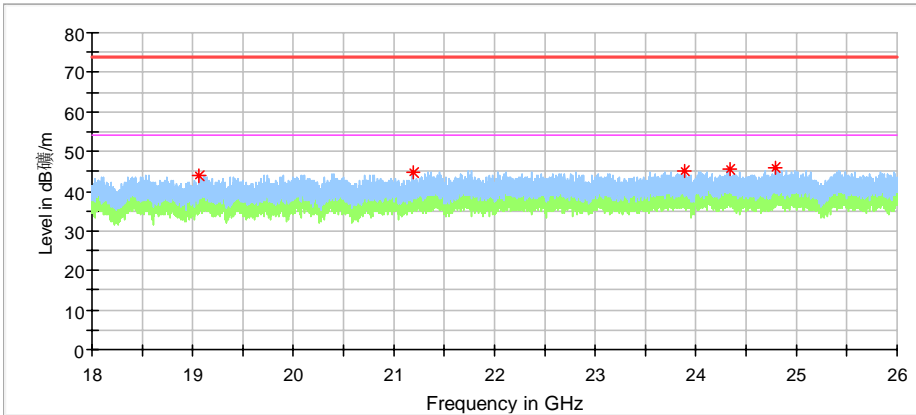


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9033.000000	45.26	74.00	28.74	150.0	V	182.0	6.9
10629.000000	46.09	74.00	27.91	150.0	V	24.0	8.2
11196.500000	47.78	74.00	26.22	150.0	V	314.0	8.2
12527.500000	48.19	74.00	25.81	150.0	V	24.0	9.8
14241.000000	49.28	74.00	24.72	150.0	V	4.0	10.8
16912.500000	51.95	74.00	22.05	150.0	V	227.0	16.6

802.11g modulation 2412MHz



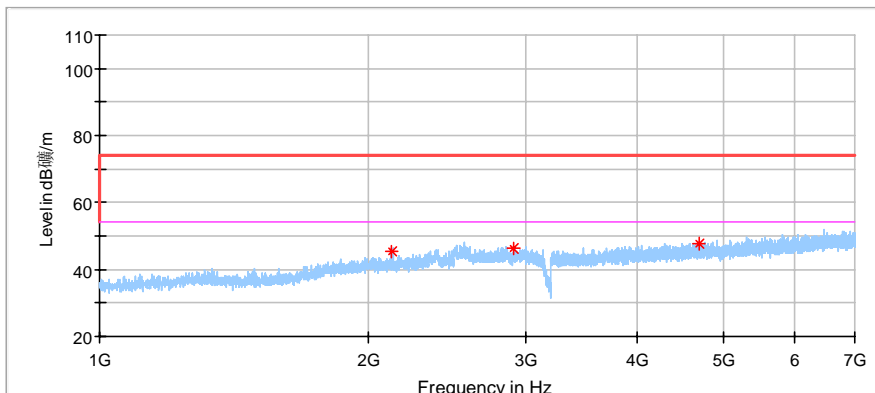
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19461.000000	43.92	74.00	30.08	150.0	H	159.0	-0.1
20398.500000	44.86	74.00	29.14	150.0	H	0.0	0.6
21655.250000	45.16	74.00	28.84	150.0	H	159.0	2.1
24353.000000	45.50	74.00	28.50	150.0	H	130.0	3.1
25394.250000	45.69	74.00	28.31	150.0	H	355.0	3.5



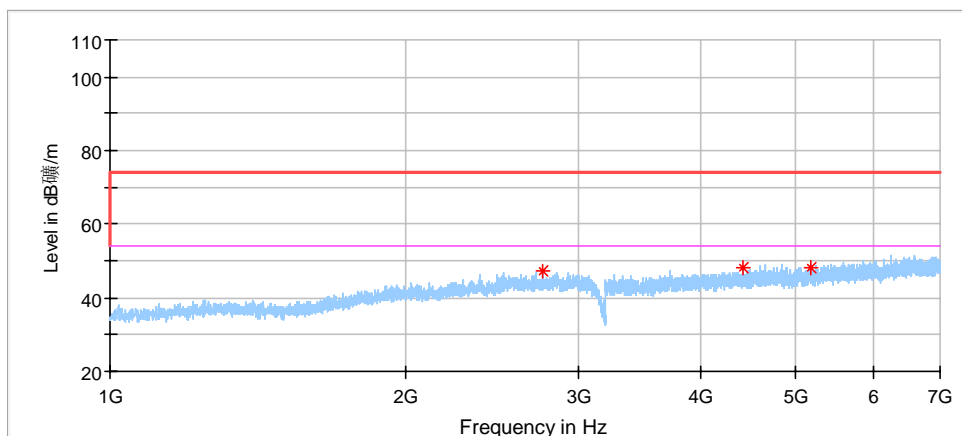
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19059.500000	44.02	74.00	29.98	150.0	V	78.0	-0.2
21193.000000	44.65	74.00	29.35	150.0	V	205.0	1.7
23881.000000	45.21	74.00	28.79	150.0	V	170.0	3.2
24339.250000	45.65	74.00	28.35	150.0	V	218.0	3.1
24793.500000	45.83	74.00	28.17	150.0	V	43.0	3.6



802.11g modulation 2437MHz

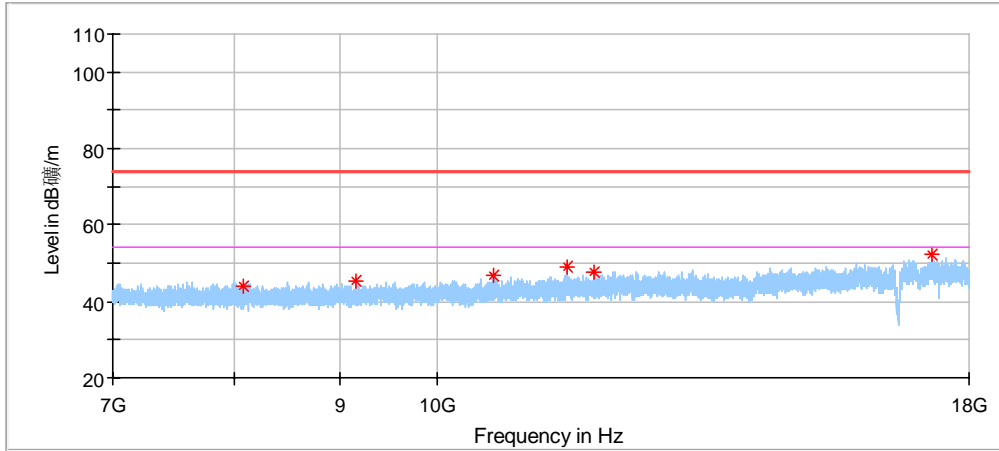


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2124.500000	45.15	74.00	28.85	150.0	H	282.0	-5.0
2901.000000	46.19	74.00	27.81	150.0	H	303.0	-2.7
4675.500000	47.80	74.00	26.20	150.0	H	247.0	2.6

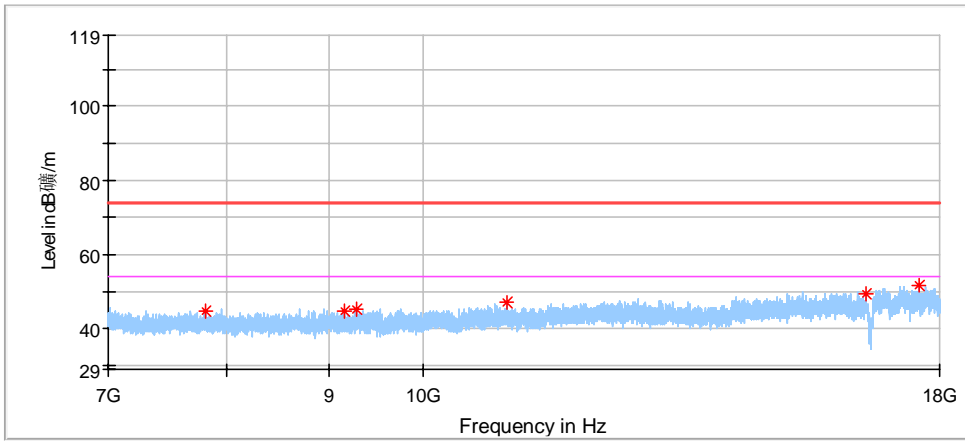


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2759.000000	47.32	74.00	26.68	150.0	V	352.0	-3.1
4413.000000	48.31	74.00	25.69	150.0	V	238.0	2.2
5176.000000	48.15	74.00	25.85	150.0	V	318.0	2.5

802.11g modulation 2437MHz

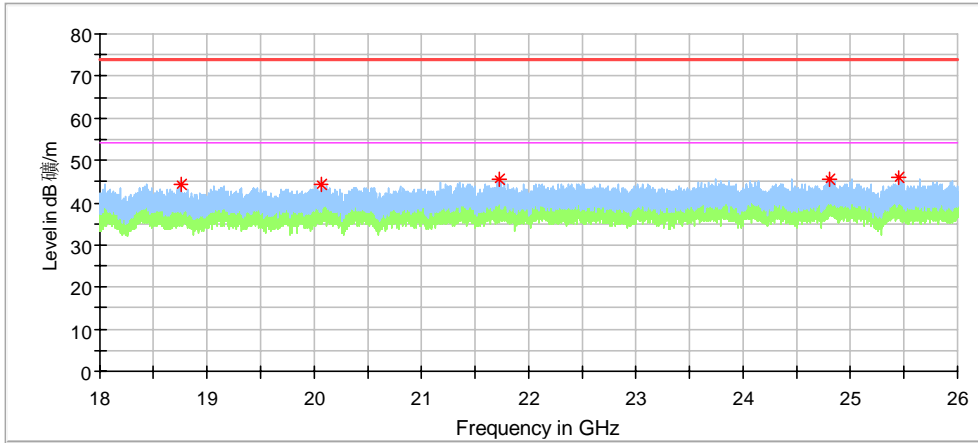


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8079.500000	44.23	74.00	29.77	150.0	H	63.0	6.3
9160.000000	45.16	74.00	28.84	150.0	H	0.0	7.1
10656.500000	46.78	74.00	27.22	150.0	H	356.0	8.3
11562.500000	49.02	74.00	24.98	150.0	H	3.0	8.9
11907.000000	47.92	74.00	26.08	150.0	H	129.0	9.8
17270.000000	52.44	74.00	21.56	150.0	H	3.0	17.1

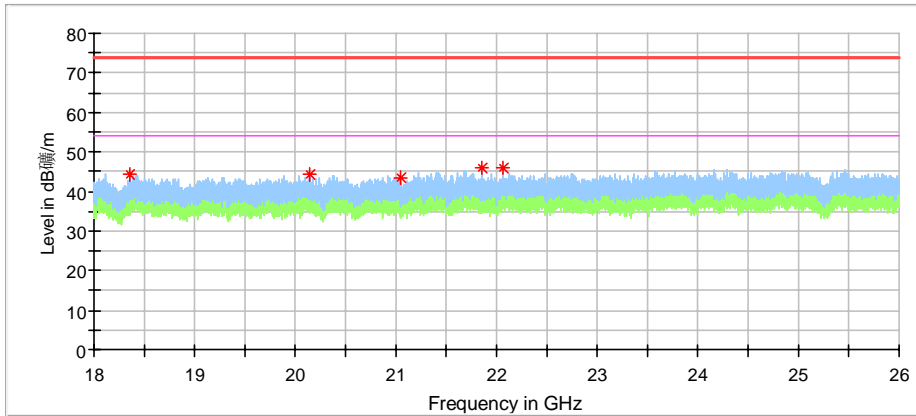


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7813.000000	44.88	74.00	29.12	150.0	V	358.0	6.6
9160.500000	44.80	74.00	29.20	150.0	V	277.0	7.1
9282.500000	45.06	74.00	28.94	150.0	V	93.0	7.2
11003.000000	46.93	74.00	27.07	150.0	V	277.0	8.4
16546.500000	49.27	74.00	24.73	150.0	V	277.0	15.7
17594.000000	51.55	74.00	22.45	150.0	V	358.0	17.4

802.11g modulation 2437MHz

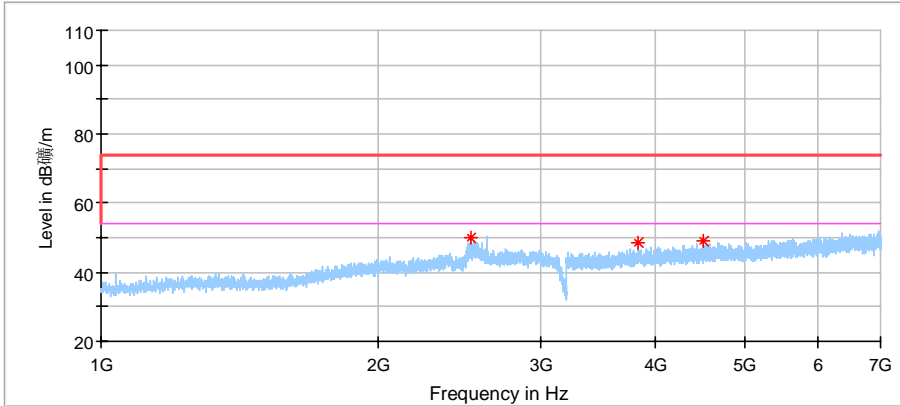


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18761.250000	44.50	74.00	29.50	150.0	H	197.0	-0.5
20064.250000	44.35	74.00	29.65	150.0	H	56.0	0.4
21725.000000	45.43	74.00	28.57	150.0	H	6.0	2.3
24806.000000	45.52	74.00	28.48	150.0	H	151.0	3.6
25445.250000	45.83	74.00	28.17	150.0	H	56.0	3.5

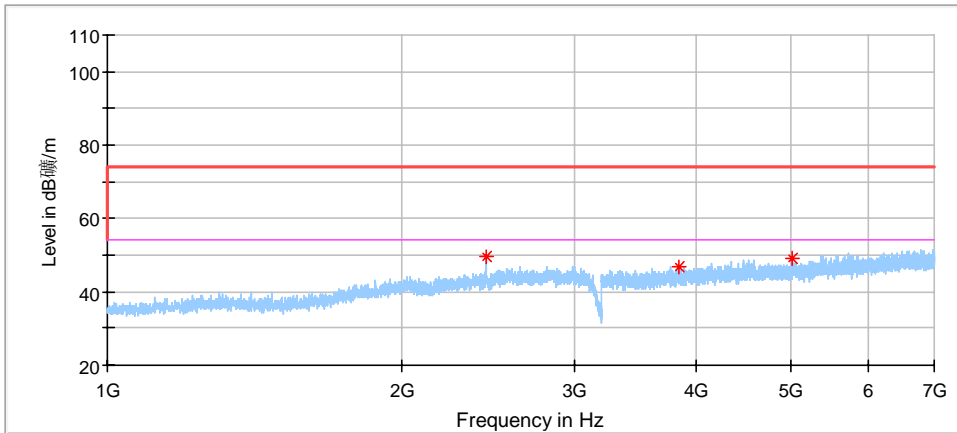


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18356.500000	44.14	74.00	29.86	150.0	V	28.0	-0.7
20143.750000	44.12	74.00	29.88	150.0	V	250.0	0.5
21041.750000	43.68	74.00	30.32	150.0	V	0.0	1.4
21848.250000	46.00	74.00	28.00	150.0	V	234.0	2.3
22069.500000	46.00	74.00	28.00	150.0	V	172.0	2.4

802.11g modulation 2462MHz

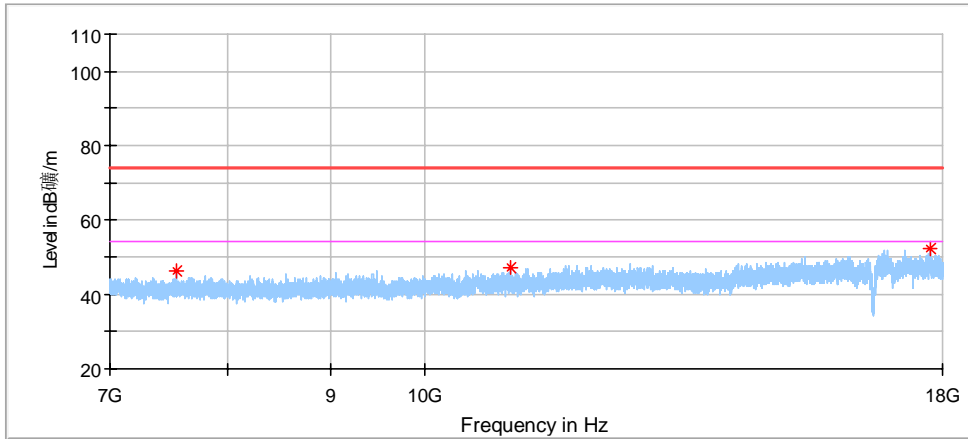


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2517.500000	50.08	74.00	23.92	150.0	H	315.0	-3.2
3820.000000	48.51	74.00	25.49	150.0	H	183.0	0.6
4500.000000	49.21	74.00	24.79	150.0	H	247.0	2.8

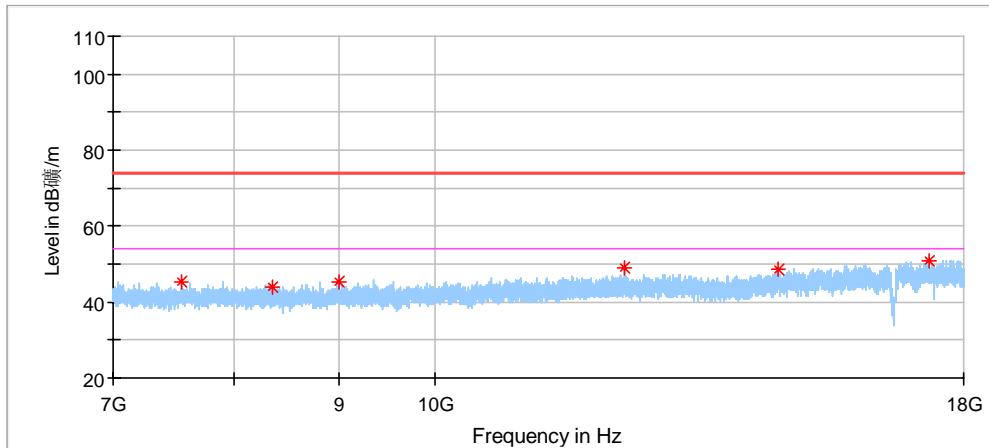


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2438.000000	49.47	74.00	24.53	150.0	V	80.0	-3.6
3832.500000	46.83	74.00	27.17	150.0	V	232.0	1.0
5021.000000	49.19	74.00	24.81	150.0	V	347.0	3.0

802.11g modulation 2462MHz

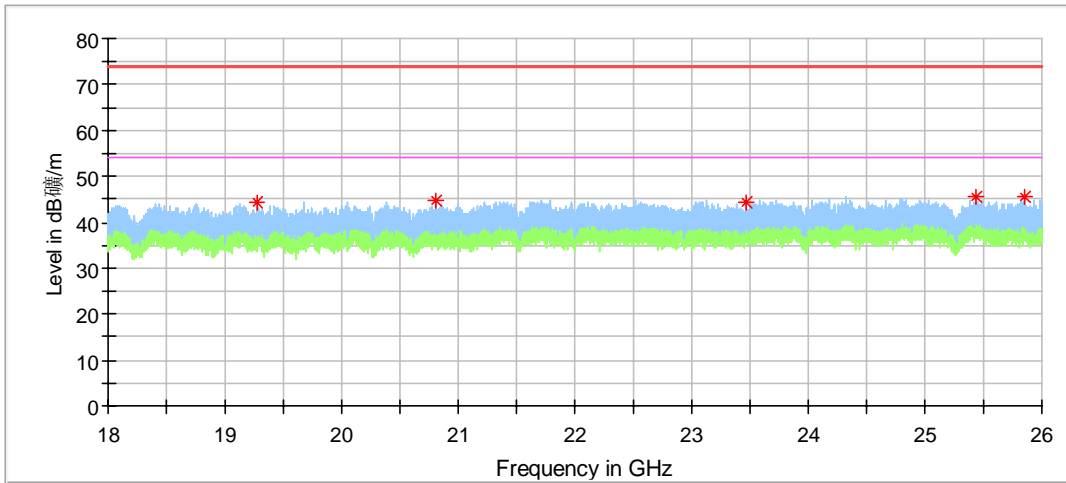


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7554.000000	46.39	74.00	27.61	150.0	H	356.0	6.7
11023.000000	47.12	74.00	26.88	150.0	H	0.0	8.3
17760.500000	52.28	74.00	21.72	150.0	H	221.0	17.5

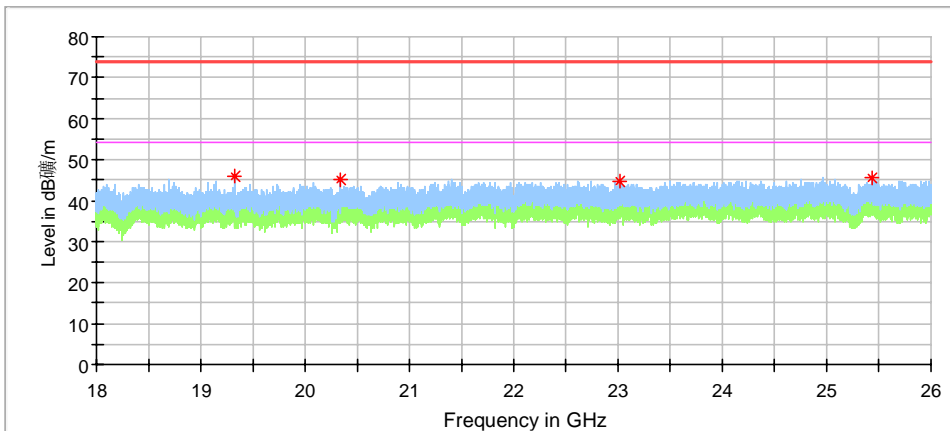


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
7549.500000	45.31	74.00	28.69	150.0	V	47.0	6.7
8360.500000	44.10	74.00	29.90	150.0	V	297.0	6.9
9000.500000	45.57	74.00	28.43	150.0	V	70.0	7.0
12346.500000	48.99	74.00	25.01	150.0	V	4.0	10.1
14660.000000	48.61	74.00	25.39	150.0	V	162.0	11.3
17314.500000	51.02	74.00	22.98	150.0	V	276.0	16.8

802.11g modulation 2462MHz

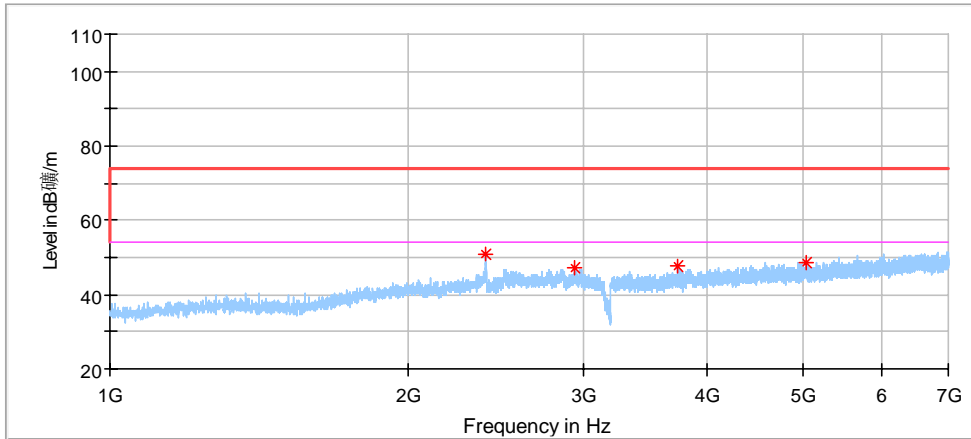


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19281.500000	44.21	74.00	29.79	150.0	H	354.0	-0.5
20810.250000	44.62	74.00	29.38	150.0	H	68.0	1.1
23472.500000	44.33	74.00	29.67	150.0	H	250.0	2.7
25438.500000	45.57	74.00	28.43	150.0	H	0.0	3.5
25847.250000	45.73	74.00	28.27	150.0	H	284.0	3.7

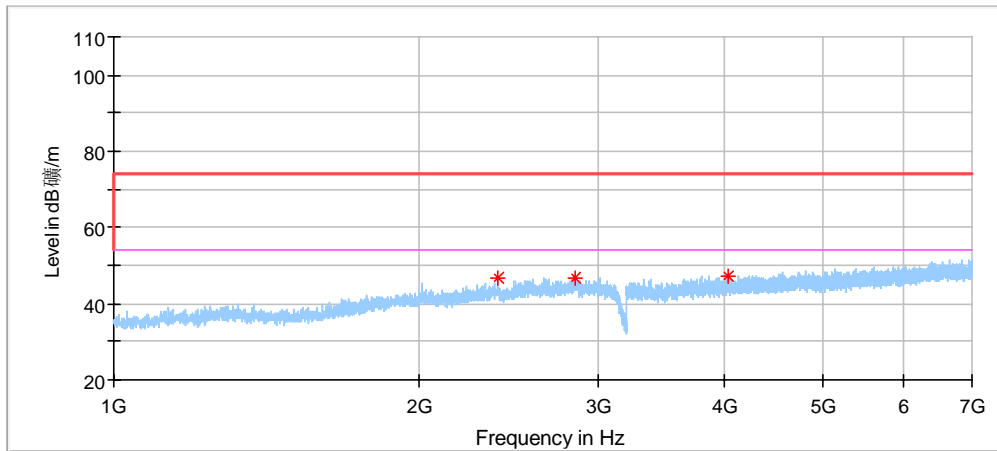


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19326.000000	45.94	74.00	28.06	150.0	V	173.0	-0.5
20343.250000	45.04	74.00	28.96	150.0	V	124.0	0.5
23010.750000	44.57	74.00	29.43	150.0	V	188.0	2.7
25441.000000	45.73	74.00	28.27	150.0	V	319.0	3.5

802.11n-HT20 modulation 2412MHz

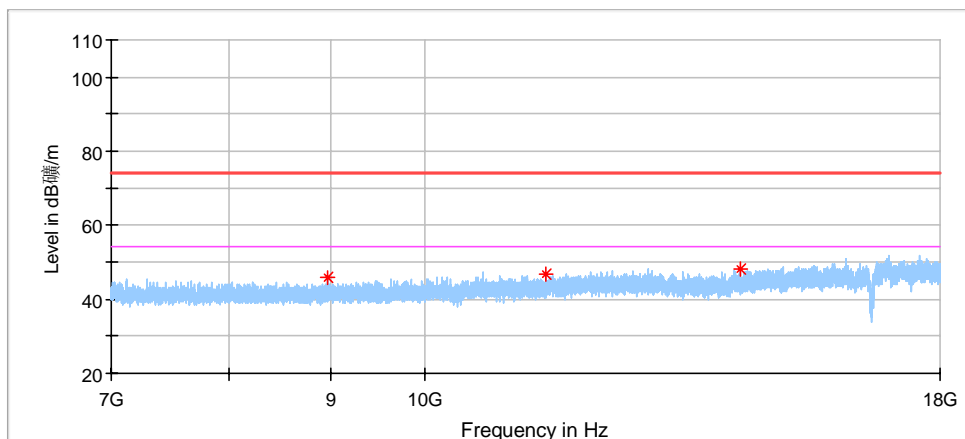


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2393.000000	50.92	74.00	23.08	150.0	H	0.0	-3.9
2945.000000	47.08	74.00	26.92	150.0	H	121.0	-2.3
3730.500000	47.75	74.00	26.25	150.0	H	222.0	0.7
5030.500000	48.77	74.00	25.23	150.0	H	138.0	2.9

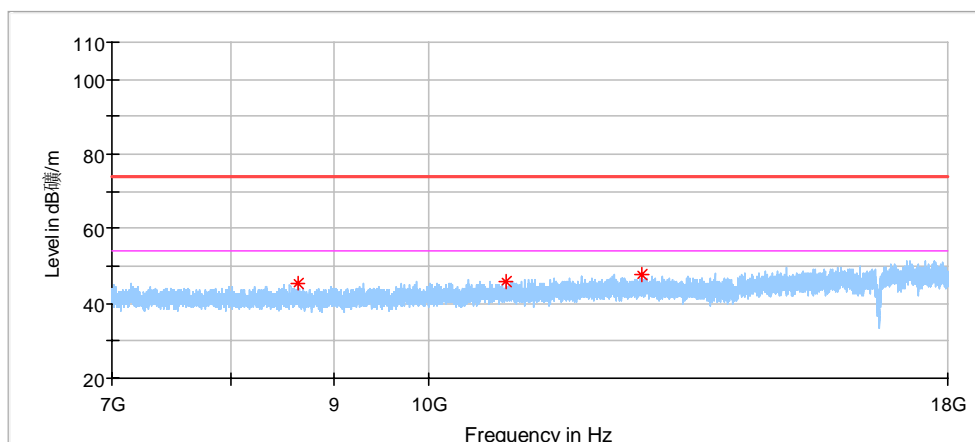


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	46.81	74.00	27.19	150.0	V	222.0	-3.9
2843.500000	46.63	74.00	27.37	150.0	V	206.0	-2.9
4026.000000	47.43	74.00	26.57	150.0	V	11.0	1.5

802.11n-HT20 modulation 2412MHz



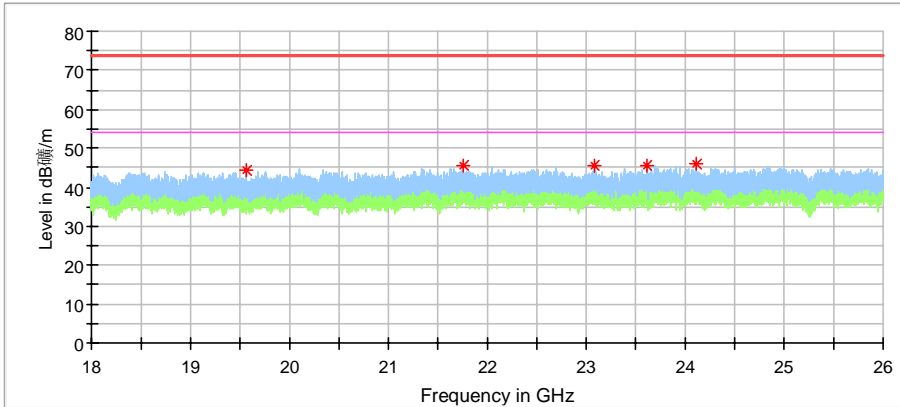
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8962.000000	45.85	74.00	28.15	150.0	H	4.0	6.9
11485.500000	46.88	74.00	27.12	150.0	H	188.0	8.6
14342.500000	47.94	74.00	26.06	150.0	H	303.0	10.9



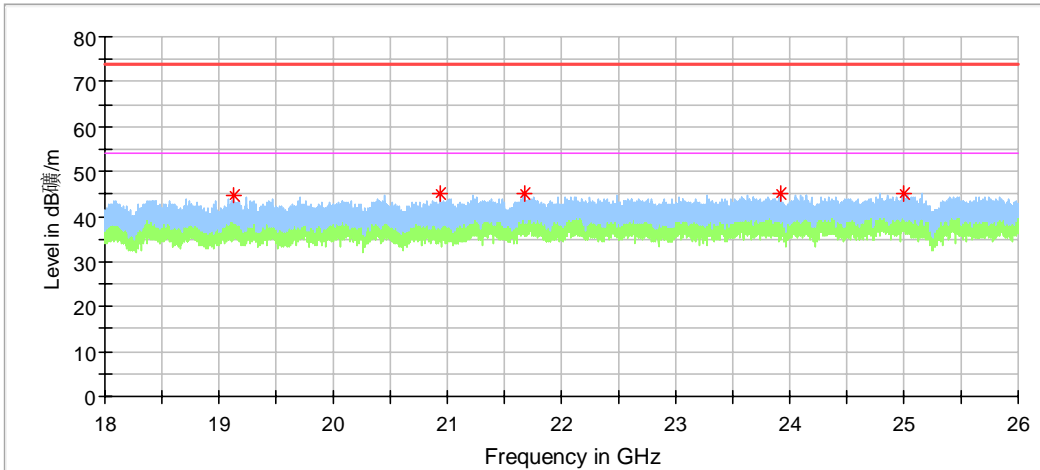
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8633.500000	45.16	74.00	28.84	150.0	V	129.0	6.6
10919.000000	45.97	74.00	28.03	150.0	V	12.0	7.9
12732.500000	47.88	74.00	26.12	150.0	V	244.0	10.4



802.11n-HT20 modulation 2412MHz

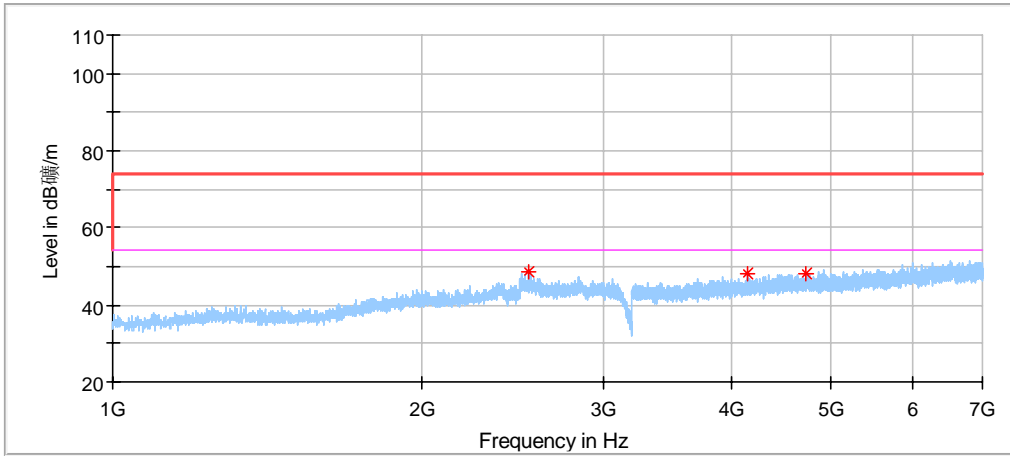


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19563.000000	44.48	74.00	29.52	150.0	H	73.0	0.0
21764.500000	45.59	74.00	28.41	150.0	H	89.0	2.4
23084.500000	45.56	74.00	28.44	150.0	H	351.0	2.8
23619.000000	45.66	74.00	28.34	150.0	H	59.0	2.9
24115.000000	46.00	74.00	28.00	150.0	H	6.0	3.1

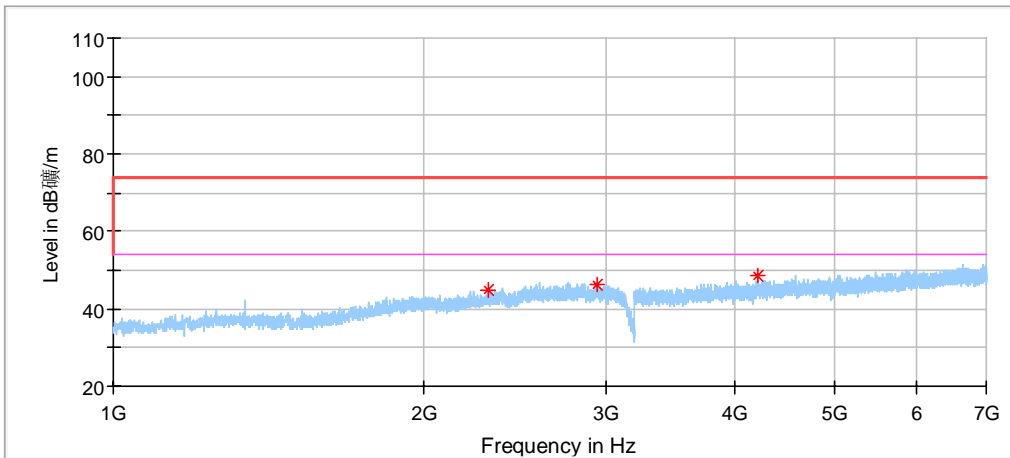


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19135.250000	44.53	74.00	29.47	150.0	V	205.0	-0.2
20935.500000	45.02	74.00	28.98	150.0	V	297.0	1.2
21672.250000	45.01	74.00	28.99	150.0	V	96.0	2.2
23916.750000	45.21	74.00	28.79	150.0	V	43.0	3.2
25002.250000	45.26	74.00	28.74	150.0	V	111.0	3.9

802.11n-HT20 modulation 2437MHz

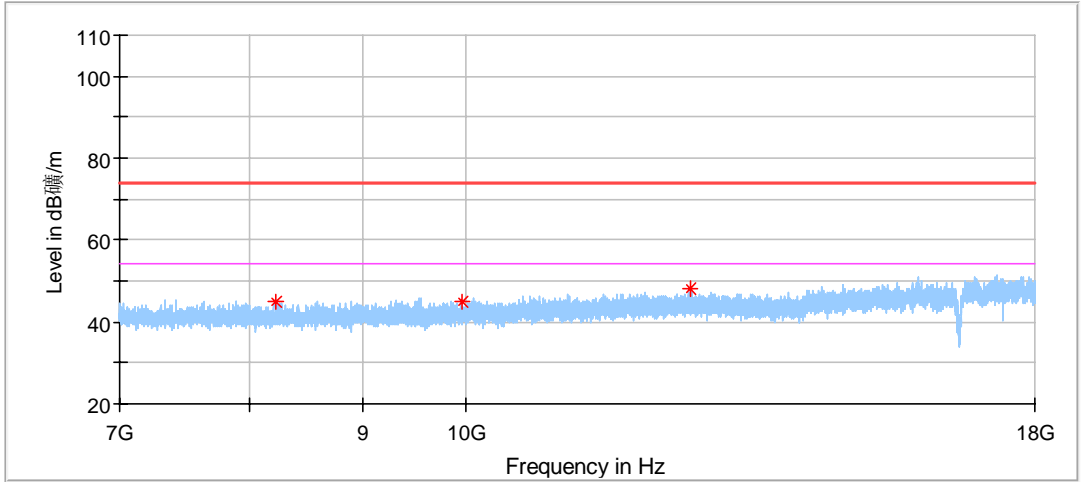


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2539.000000	48.40	74.00	25.60	150.0	H	5.0	-3.2
4135.500000	48.06	74.00	25.94	150.0	H	218.0	1.4
4717.000000	48.36	74.00	25.64	150.0	H	263.0	2.9

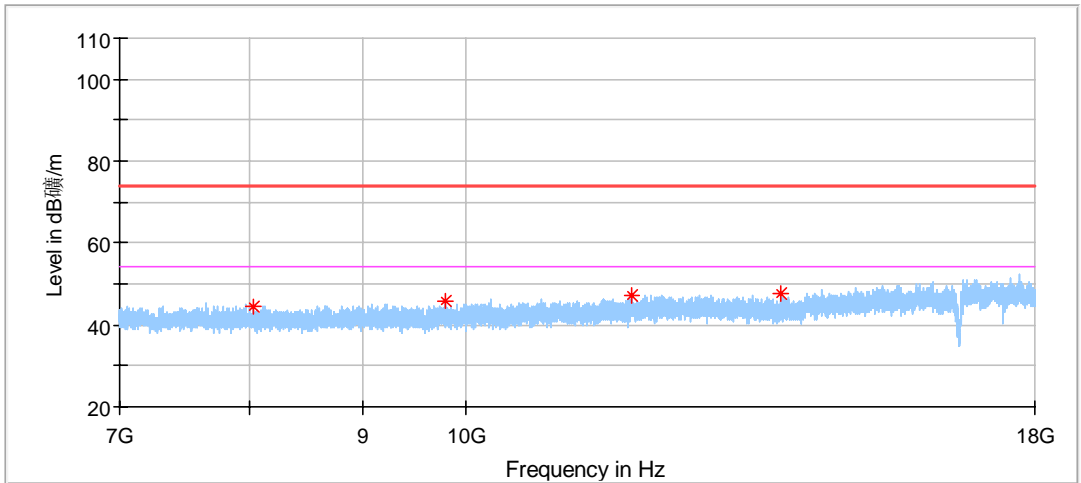


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2302.500000	44.91	74.00	29.09	150.0	V	81.0	-4.3
2945.000000	46.14	74.00	27.86	150.0	V	8.0	-2.3
4208.000000	48.50	74.00	25.50	150.0	V	196.0	2.2

802.11n-HT20 modulation 2437MHz

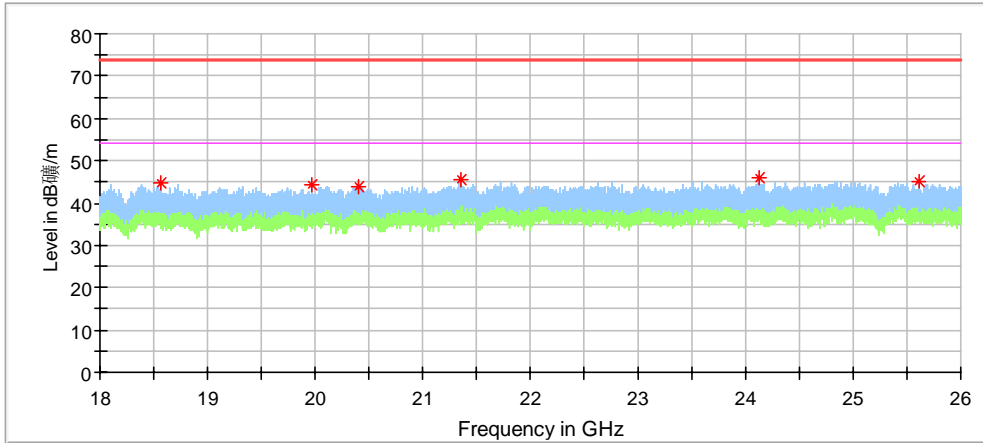


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8231.500000	44.94	74.00	29.06	150.0	H	1.0	6.7
9967.000000	44.87	74.00	29.13	150.0	H	149.0	7.7
12605.000000	48.29	74.00	25.71	150.0	H	336.0	9.7

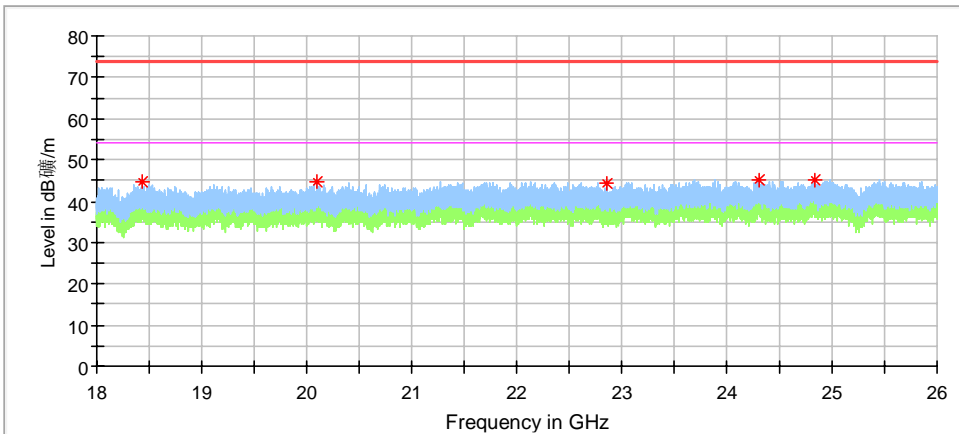


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8039.000000	44.39	74.00	29.61	150.0	V	343.0	6.4
9794.500000	45.69	74.00	28.31	150.0	V	162.0	7.9
11883.000000	47.09	74.00	26.91	150.0	V	4.0	9.6
13838.000000	47.83	74.00	26.17	150.0	V	139.0	9.7

802.11n-HT20 modulation 2437MHz

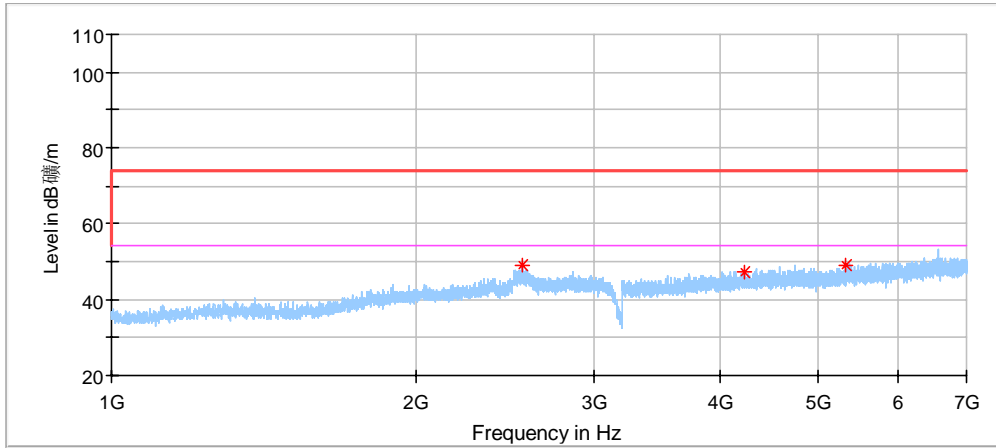


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18569.500000	44.67	74.00	29.33	150.0	H	41.0	-0.6
19966.250000	44.19	74.00	29.81	150.0	H	339.0	0.2
20399.250000	43.92	74.00	30.08	150.0	H	237.0	0.6
21347.750000	45.41	74.00	28.59	150.0	H	174.0	1.9
24126.500000	45.83	74.00	28.17	150.0	H	128.0	3.1
25616.750000	45.08	74.00	28.92	150.0	H	26.0	3.7

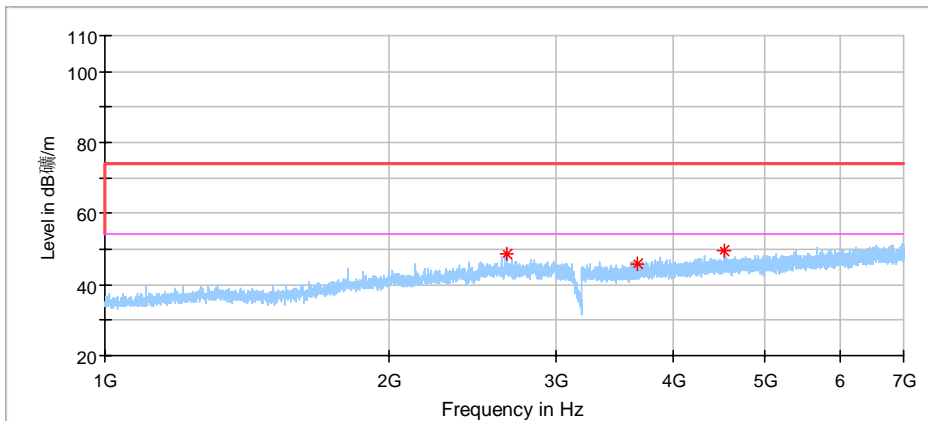


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18441.500000	44.67	74.00	29.33	150.0	V	276.0	-0.7
20091.750000	44.61	74.00	29.39	150.0	V	126.0	0.5
22858.250000	44.31	74.00	29.69	150.0	V	292.0	2.6
24305.250000	45.30	74.00	28.70	150.0	V	350.0	3.0
24840.000000	45.26	74.00	28.75	150.0	V	188.0	3.7

802.11n-HT20 modulation 2462MHz

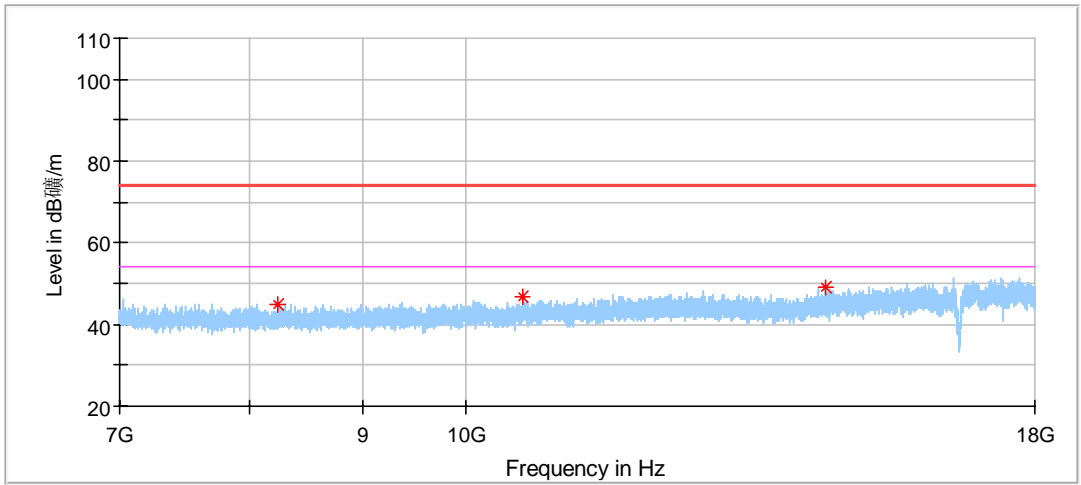


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)	Corr. (dB)
2549.000000	49.16	74.00	24.84	150.0	H	320.0	-3.3	---
4224.500000	47.43	74.00	26.57	150.0	H	228.0	2.0	---
5320.500000	48.89	74.00	25.11	150.0	H	80.0	2.4	---

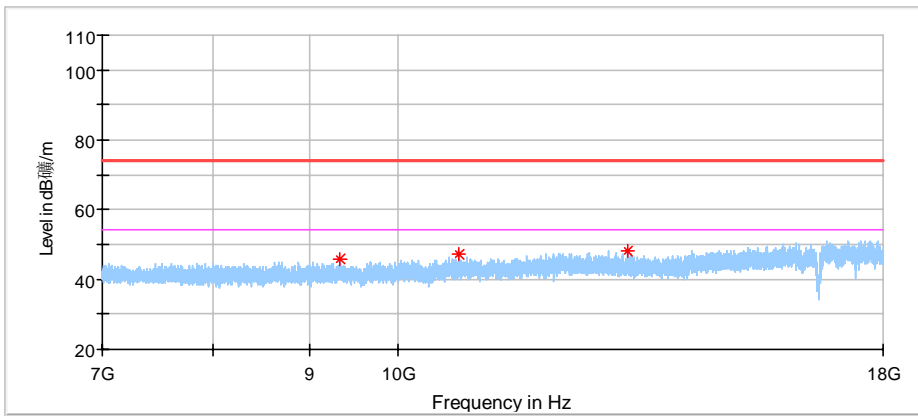


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2664.500000	48.63	74.00	25.37	150.0	V	266.0	-3.1
3661.500000	45.78	74.00	28.22	150.0	V	129.0	-0.4
4521.000000	49.32	74.00	24.68	150.0	V	264.0	3.1

802.11n-HT20 modulation 2462MHz

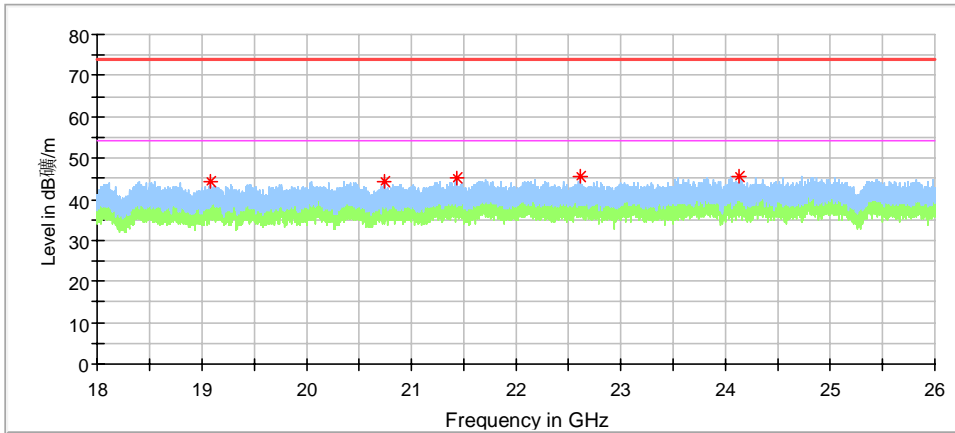


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8234.500000	44.74	74.00	29.26	150.0	H	129.0	6.7
10607.000000	46.83	74.00	27.17	150.0	H	198.0	8.1
14510.500000	49.09	74.00	24.91	150.0	H	313.0	11.1

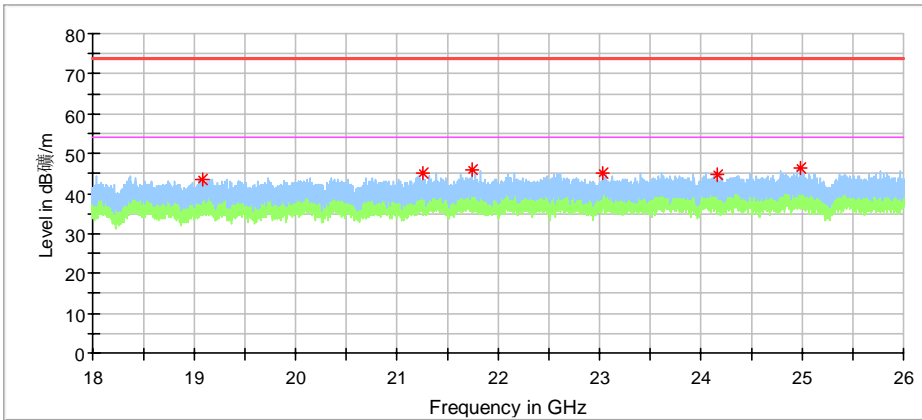


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
9341.500000	45.72	74.00	28.28	150.0	V	47.0	7.3
10776.500000	47.21	74.00	26.79	150.0	V	4.0	8.1
13226.500000	48.21	74.00	25.79	150.0	V	70.0	9.8

802.11n-HT20 modulation 2462MHz

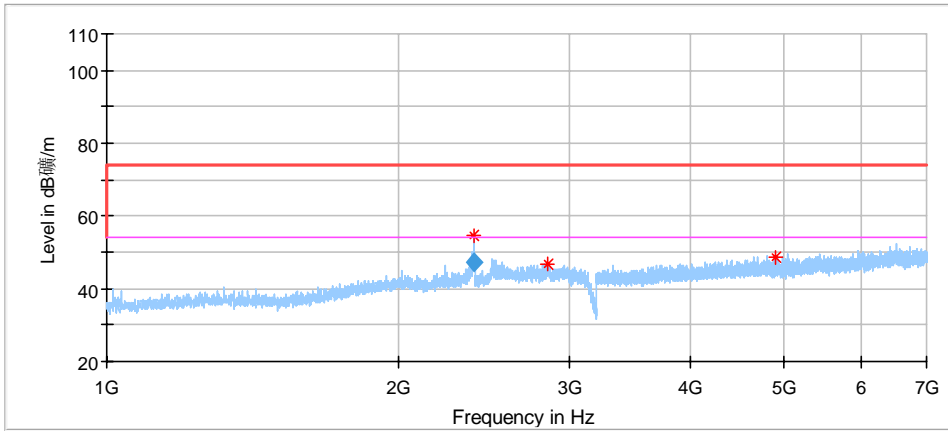


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19073.250000	44.35	74.00	29.65	150.0	H	92.0	-0.2
20747.250000	44.51	74.00	29.49	150.0	H	0.0	1.0
21434.750000	45.20	74.00	28.80	150.0	H	44.0	1.9
22616.250000	45.41	74.00	28.59	150.0	H	169.0	2.5
24137.000000	45.44	74.00	28.56	150.0	H	228.0	3.1



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19080.000000	43.43	74.00	30.57	150.0	V	69.0	-0.2
21260.500000	45.27	74.00	28.73	150.0	V	264.0	1.8
21743.000000	46.02	74.00	27.98	150.0	V	0.0	2.4
23028.500000	45.21	74.00	28.79	150.0	V	13.0	2.8
24153.750000	44.72	74.00	29.28	150.0	V	3.0	3.1
24987.000000	46.33	74.00	27.67	150.0	V	142.0	3.9

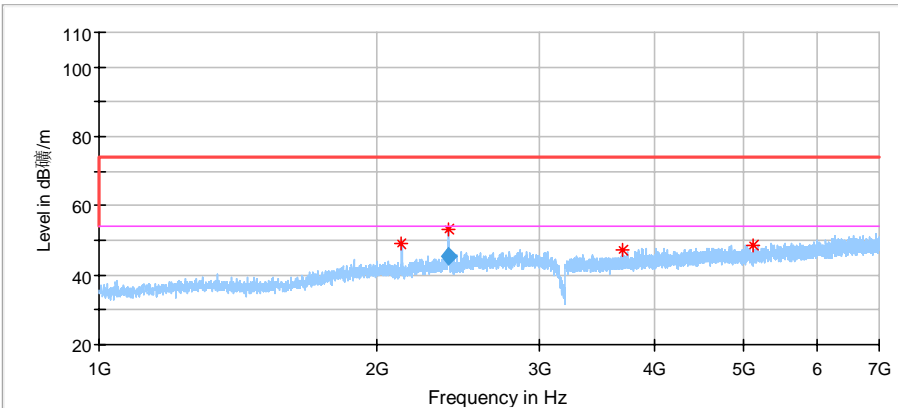
802.11n-HT40 modulation 2422MHz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.500000	54.80	74.00	19.20	150.0	H	303.0	-3.9
2846.000000	46.86	74.00	27.14	150.0	H	150.0	-2.9
4897.000000	48.47	74.00	25.53	150.0	H	322.0	2.6

**Final Result**

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.500000	47.12	54.00	6.88	150.0	H	303.0	-3.9



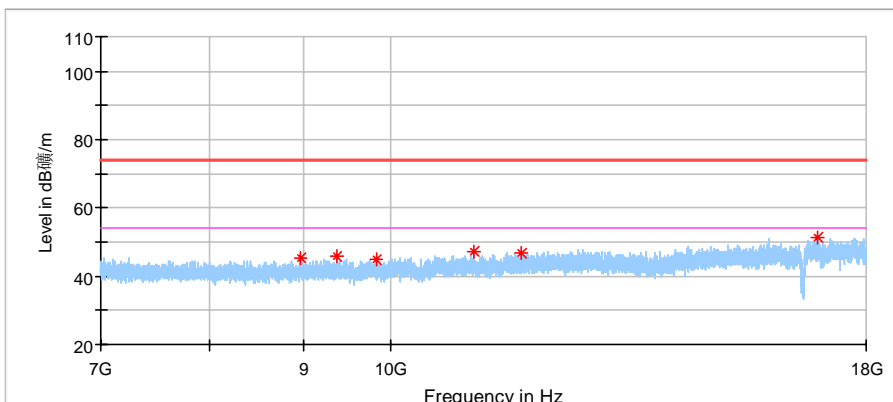
Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2124.000000	48.95	74.00	25.05	150.0	V	58.0	-5.0
2394.000000	53.23	74.00	20.77	150.0	V	253.0	-3.9
3693.000000	47.00	74.00	27.00	150.0	V	35.0	0.3
5116.000000	48.61	74.00	25.39	150.0	V	68.0	1.7

**Final Result**

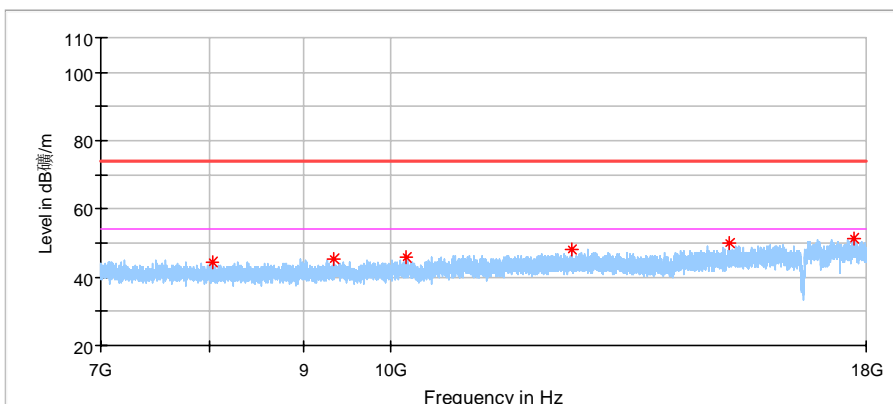
Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2394.000000	45.29	54.00	8.71	150.0	V	253.0	-3.9



802.11n-HT40 modulation 2422MHz

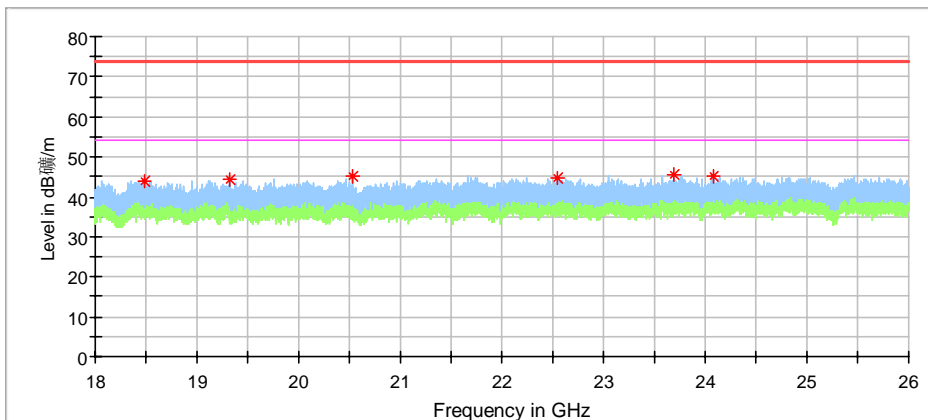


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8953.000000	45.61	74.00	28.39	150.0	H	60.0	6.9
9374.000000	45.85	74.00	28.15	150.0	H	37.0	7.3
9836.500000	45.06	74.00	28.94	150.0	H	37.0	7.7
11101.000000	47.41	74.00	26.59	150.0	H	0.0	8.3
11763.500000	46.69	74.00	27.31	150.0	H	152.0	9.0
16949.500000	51.51	74.00	22.49	150.0	H	83.0	16.5

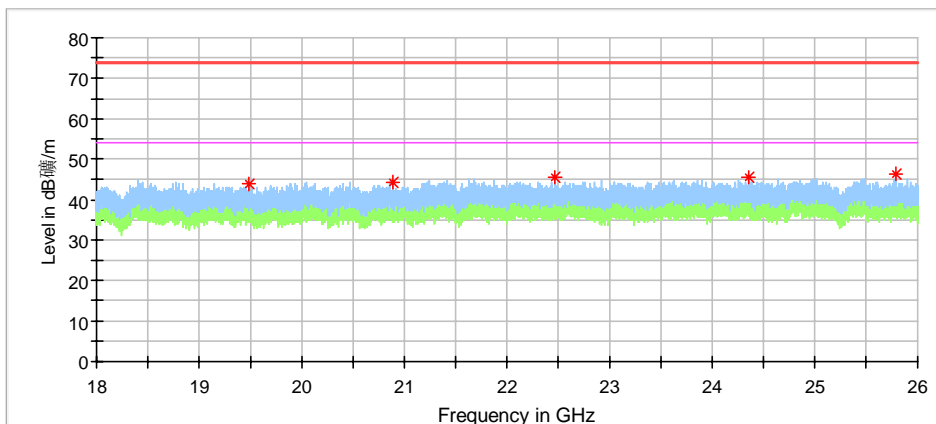


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8036.000000	44.45	74.00	29.55	150.0	V	320.0	6.4
9338.000000	45.53	74.00	28.47	150.0	V	116.0	7.3
10210.500000	45.88	74.00	28.12	150.0	V	70.0	8.1
12509.500000	48.26	74.00	25.74	150.0	V	139.0	9.9
15204.500000	49.86	74.00	24.14	150.0	V	277.0	12.5
17717.000000	51.22	74.00	22.78	150.0	V	208.0	17.8

802.11n-HT40 modulation 2422MHz

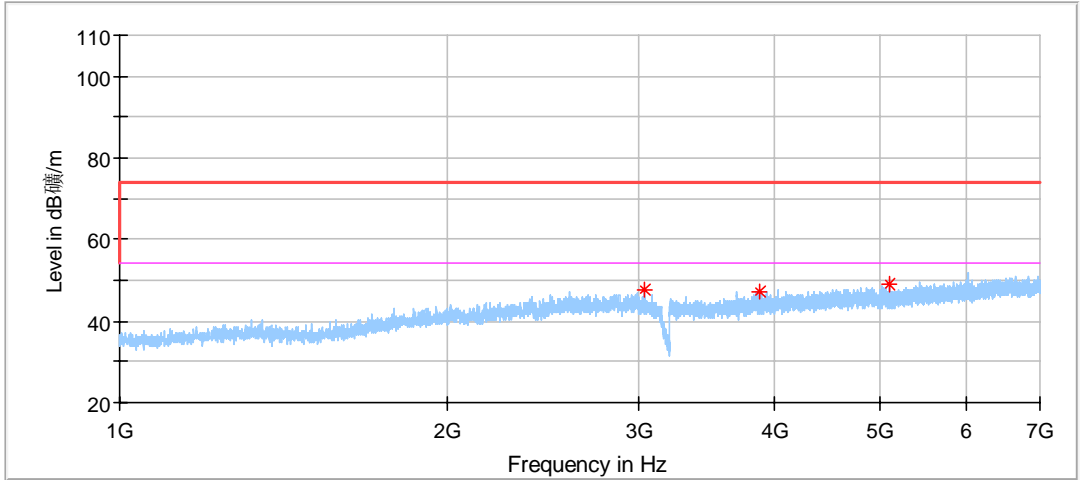


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18490.500000	43.89	74.00	30.11	150.0	H	76.0	-0.7
19321.500000	44.51	74.00	29.49	150.0	H	354.0	-0.5
20528.500000	44.93	74.00	29.07	150.0	H	90.0	0.8
22554.000000	44.57	74.00	29.43	150.0	H	175.0	2.6
23686.250000	45.60	74.00	28.40	150.0	H	48.0	3.0
24084.500000	45.28	74.00	28.72	150.0	H	191.0	3.2

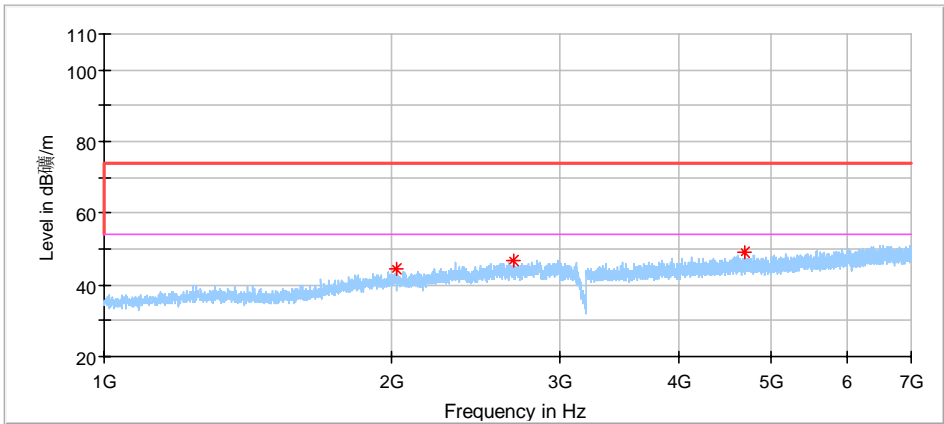


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19482.500000	43.97	74.00	30.03	150.0	V	305.0	0.0
20892.250000	44.12	74.00	29.88	150.0	V	248.0	1.1
22460.250000	45.60	74.00	28.40	150.0	V	0.0	2.6
24354.250000	45.39	74.00	28.61	150.0	V	218.0	3.1
25797.750000	46.45	74.00	27.55	150.0	V	334.0	3.7

802.11n-HT40 modulation 2437MHz

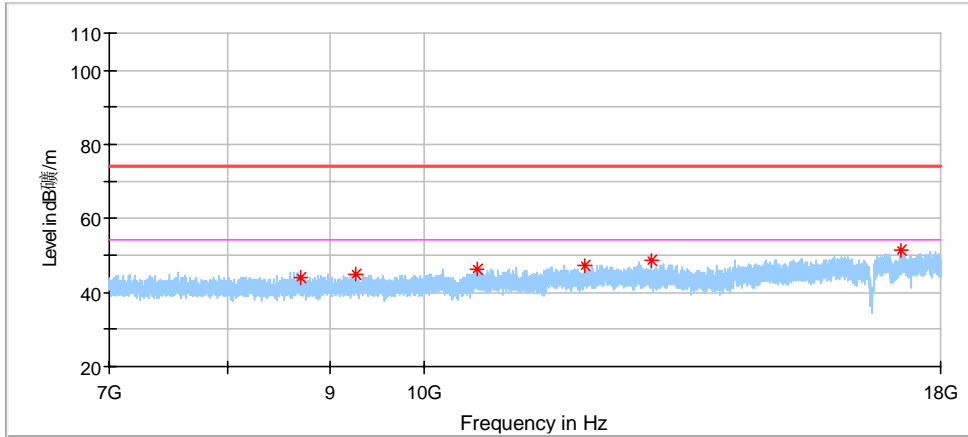


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3034.500000	47.70	74.00	26.30	150.0	H	248.0	-1.1
3875.000000	47.13	74.00	26.87	150.0	H	125.0	0.8
5100.500000	49.04	74.00	24.96	150.0	H	359.0	1.8

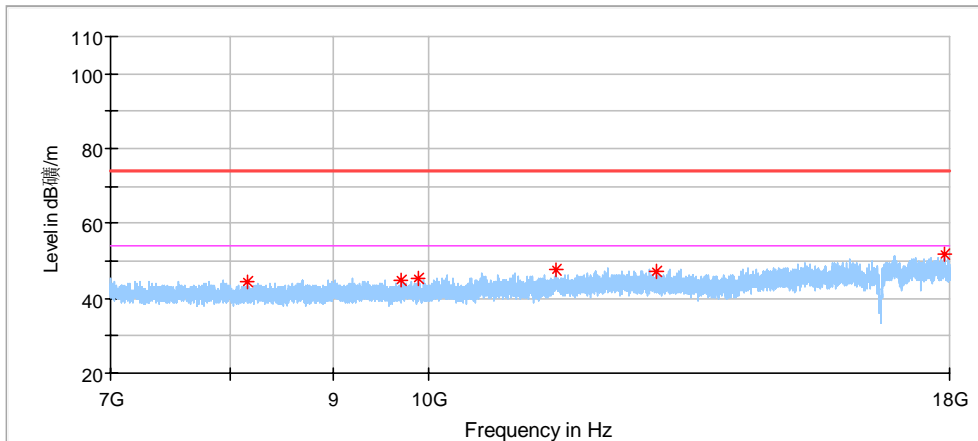


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2025.000000	44.33	74.00	29.67	150.0	V	243.0	-5.0
2687.500000	46.84	74.00	27.16	150.0	V	111.0	-3.3
4689.500000	49.06	74.00	24.94	150.0	V	135.0	2.7

802.11n-HT40 modulation 2437MHz

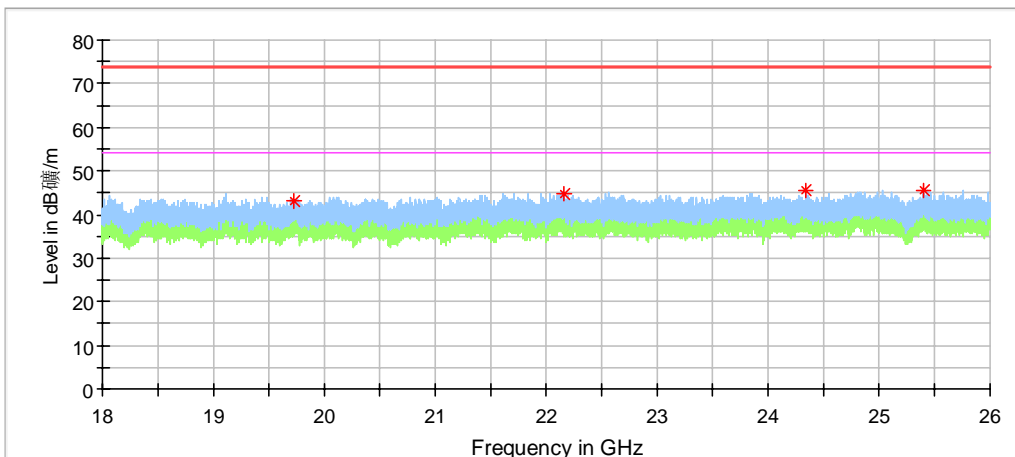


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8700.000000	43.99	74.00	30.01	150.0	H	313.0	6.8
9263.500000	44.99	74.00	29.01	150.0	H	14.0	7.2
10629.000000	46.27	74.00	27.73	150.0	H	244.0	8.2
12017.000000	47.43	74.00	26.57	150.0	H	313.0	9.8
12969.500000	48.55	74.00	25.45	150.0	H	129.0	9.9
17228.000000	51.18	74.00	22.82	150.0	H	336.0	17.2

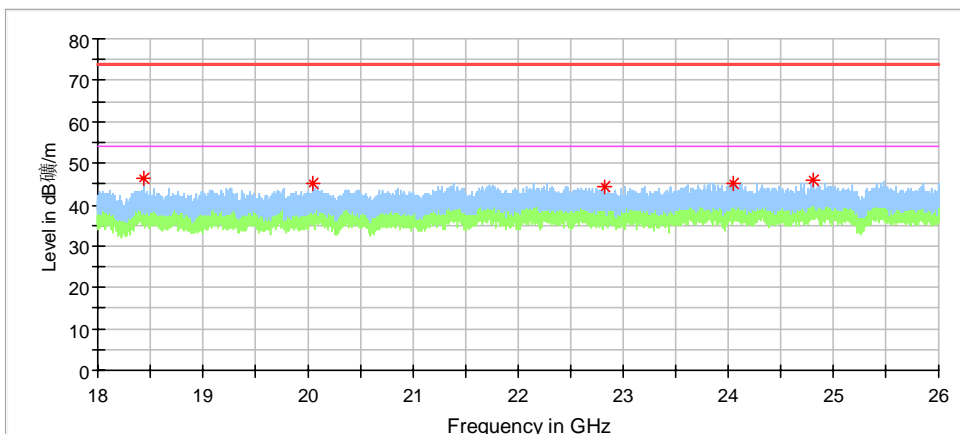


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8168.500000	44.53	74.00	29.47	150.0	V	4.0	6.4
9707.000000	44.97	74.00	29.03	150.0	V	188.0	7.5
9888.000000	45.60	74.00	28.40	150.0	V	188.0	7.8
11561.000000	47.78	74.00	26.22	150.0	V	0.0	8.9
12927.500000	47.38	74.00	26.62	150.0	V	359.0	9.8
17893.500000	51.75	74.00	22.25	150.0	V	211.0	17.7

802.11n-HT40 modulation 2437MHz

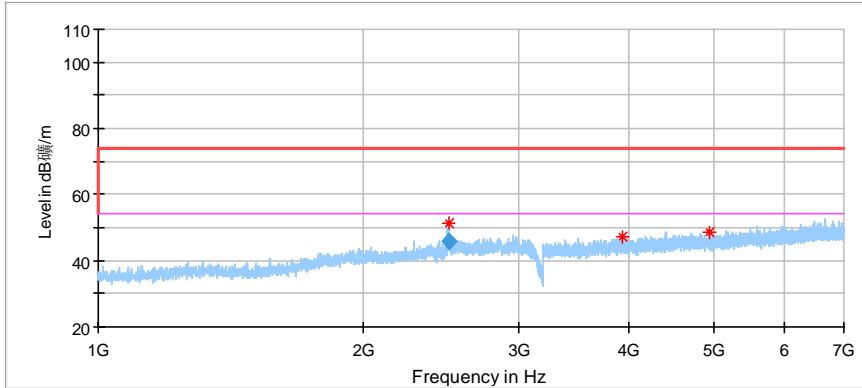


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19725.000000	43.04	74.00	30.96	150.0	H	323.0	0.0
22163.000000	44.61	74.00	29.39	150.0	H	0.0	2.5
24335.500000	45.68	74.00	28.32	150.0	H	237.0	3.1
25398.250000	45.74	74.00	28.26	150.0	H	40.0	3.5



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
18429.250000	46.19	74.00	27.81	150.0	V	206.0	-0.7
20049.250000	45.26	74.00	28.74	150.0	V	0.0	0.4
22816.500000	44.46	74.00	29.54	150.0	V	189.0	2.6
24044.250000	45.21	74.00	28.79	150.0	V	156.0	3.3
24799.250000	45.99	74.00	28.01	150.0	V	40.0	3.6

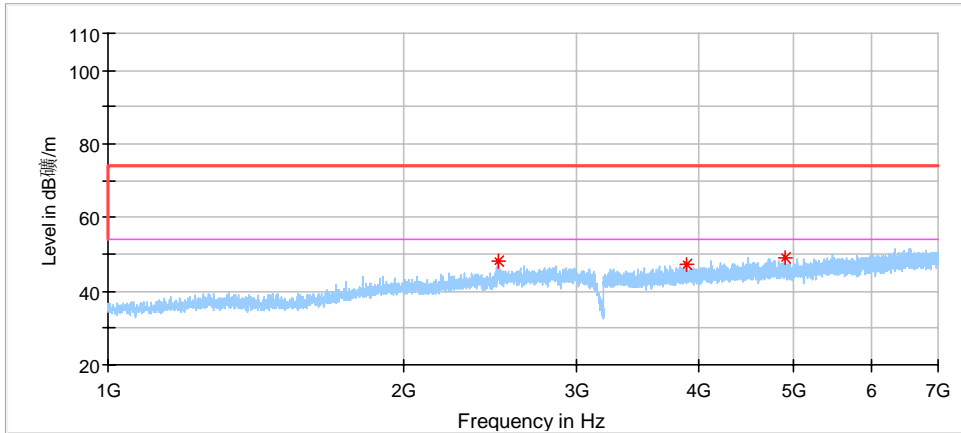
802.11n-HT40 modulation 2452MHz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2494.000000	51.34	74.00	22.66	150.0	H	0.0	-3.4
3926.000000	47.25	74.00	26.75	150.0	H	47.0	0.9
4936.500000	48.70	74.00	25.30	150.0	H	188.0	1.9

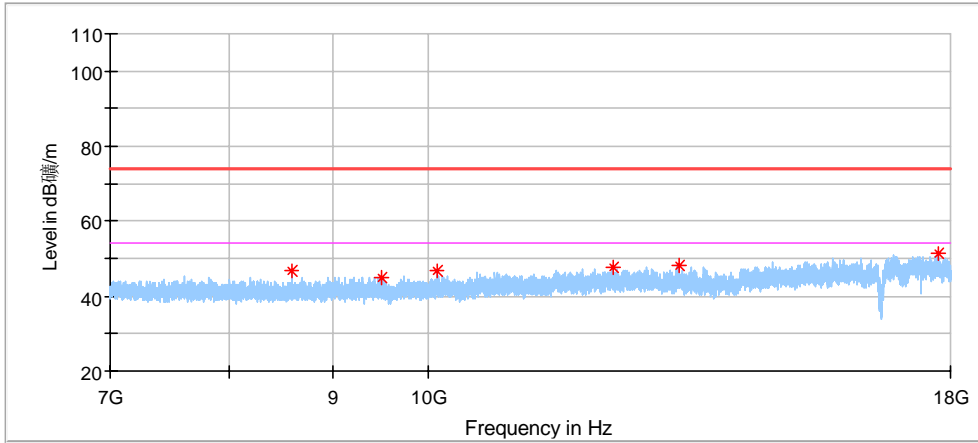
Final\_Result

Frequency (MHz)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2494.000000	46.02	54.00	7.98	150.0	H	0.0	-3.4

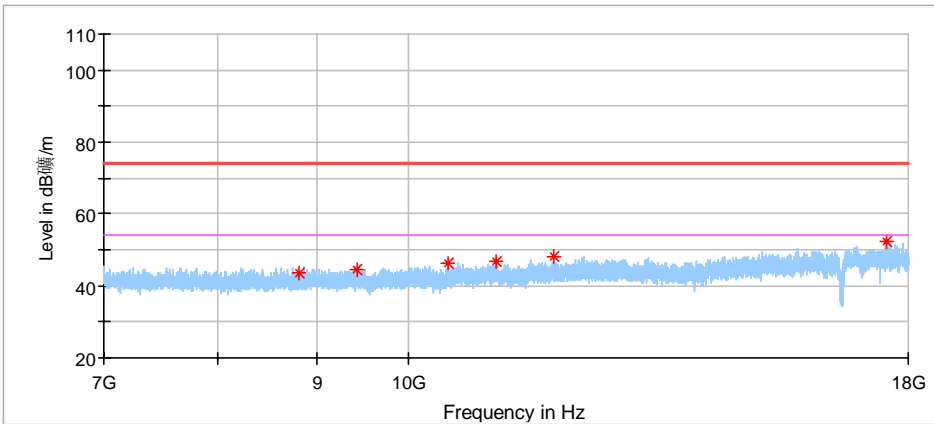


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2492.500000	47.93	74.00	26.07	150.0	V	258.0	-3.4
3880.500000	47.13	74.00	26.87	150.0	V	74.0	0.9
4891.000000	49.24	74.00	24.76	150.0	V	93.0	2.7

802.11n-HT40 modulation 2452MHz

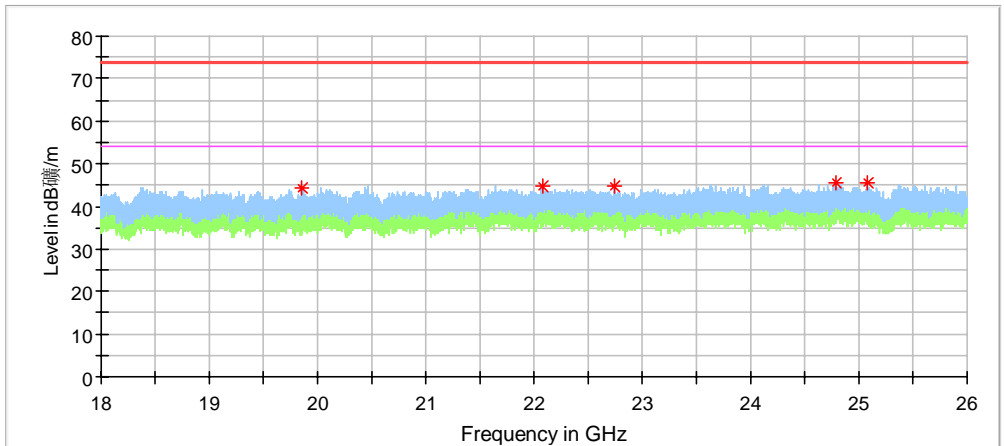


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8589.000000	46.63	74.00	27.37	150.0	H	12.0	6.6
9489.000000	45.12	74.00	28.88	150.0	H	356.0	7.3
10114.000000	46.95	74.00	27.05	150.0	H	80.0	8.2
12327.000000	47.77	74.00	26.23	150.0	H	290.0	10.1
13261.000000	47.94	74.00	26.06	150.0	H	221.0	9.9
17762.000000	51.30	74.00	22.70	150.0	H	336.0	17.5

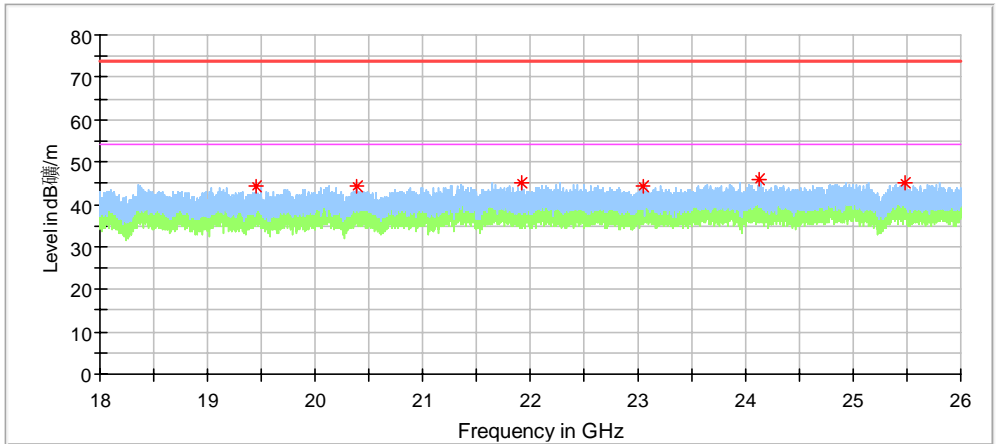


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
8797.500000	43.40	74.00	30.60	150.0	V	162.0	6.8
9432.000000	44.38	74.00	29.62	150.0	V	70.0	7.2
10497.000000	46.41	74.00	27.59	150.0	V	323.0	8.1
11103.500000	46.79	74.00	27.21	150.0	V	93.0	8.3
11886.000000	48.13	74.00	25.87	150.0	V	358.0	9.6
17557.500000	52.50	74.00	21.50	150.0	V	70.0	17.3

802.11n-HT40 modulation 2452MHz



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19856.750000	44.21	74.00	29.79	150.0	H	115.0	0.0
22078.500000	44.58	74.00	29.42	150.0	H	353.0	2.4
22745.000000	44.91	74.00	29.09	150.0	H	252.0	2.6
24791.750000	45.53	74.00	28.47	150.0	H	205.0	3.6
25078.750000	45.62	74.00	28.38	150.0	H	0.0	3.7



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
19448.750000	44.41	74.00	29.59	150.0	V	236.0	-0.1
20394.250000	44.20	74.00	29.80	150.0	V	160.0	0.6
21918.500000	45.21	74.00	28.79	150.0	V	60.0	2.3
23047.000000	44.48	74.00	29.52	150.0	V	76.0	2.8
24129.000000	45.90	74.00	28.10	150.0	V	0.0	3.1
25484.000000	45.31	74.00	28.69	150.0	V	236.0	3.6

Remark:

- (1) Level=Reading Level + Correction 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)



## 10 Test Equipment List

### Radiated Emission Test

Description	Manufacturer	Model no.	Equipment ID	Serial no.	cal interval (year)	cal. due date
EMI Test Receiver	Rohde & Schwarz	ESR 26	68-4-74-14-002	101269	1	2021-6-29
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9162	68-4-80-19-003	284	1	2021-2-24
Wave Guide Antenna	ETS	3117	68-4-80-19-001	00218954	1	2021-6-15
Pre-amplifier	Rohde & Schwarz	SCU 18F	68-4-29-19-001	100745	1	2020-12-14
Pre-amplifier	Rohde & Schwarz	SCU 08F2	68-4-29-19-004	08400018	1	2020-12-14
Sideband Horn Antenna	Q-PAR	QWH-SL-18-40-K-SG	68-4-80-14-008	12827	1	2021-8-5
Pre-amplifier	Rohde & Schwarz	SCU 40A	68-4-29-14-002	100432	1	2021-7-30
3m Semi-anechoic chamber	TDK	9X6X6	68-4-90-19-006	----	3	2022-12-29
Test software	Rohde & Schwarz	EMC32	68-4-90-19-006-A01	Version10.35.0 2	N/A	N/A

### TS8997 Test System

Description	Manufacturer	Model no.	Equipment ID	Serial no.	cal interval (year)	cal. due date
Signal Generator	Rohde & Schwarz	SMB100A	68-4-48-14-001	108272	1	2021-6-21
Vector Signal Generator	Rohde & Schwarz	SMBV100A	68-4-48-18-001	262825	1	2021-6-21
Communication Synthetical Test Instrument	Rohde & Schwarz	CMW 270	68-4-48-18-003	101251	1	2021-6-21
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2021-6-21
Vector Signal Generator	Rohde & Schwarz	SMU 200A	68-4-48-14-003	105324	1	2021-6-22
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157	68-4-93-14-003	101226/100851	1	2021-6-21
Power Splitter	Weinschel	1580	68-4-85-14-001	SC319	1	2021-7-16
10dB Attenuator	Weinschel	4M-10	68-4-81-14-003	43152	1	2021-6-21
10dB Attenuator	R&S	DNF	68-4-81-14-004	DNF-001	1	2021-6-21
10dB Attenuator	R&S	DNF	68-4-81-14-005	DNF-002	1	2021-6-21
10dB Attenuator	R&S	DNF	68-4-81-14-006	DNF-003	1	2021-6-21
10dB Attenuator	R&S	DNF	68-4-81-14-007	DNF-004	1	2021-6-21
Test software	Rohde & Schwarz	EMC32	68-4-48-14-003-A10	Version 10.60.10	N/A	N/A
Test software	Tonscend	System for BT/WIFI	68-4-74-14-006-A13	Version 2.6.77.0518	N/A	N/A
Shielding Room	TDK	TS8997	68-4-90-19-003	----	1	2020-11-07

## 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

System Measurement Uncertainty	
Test Items	Extended Uncertainty
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 30MHz-1000MHz	Horizontal: 4.70dB; Vertical: 4.67dB;
Uncertainty for Radiated Emission in new 3m chamber (68-4-90-19-006) 1000MHz-18000MHz	Horizontal: 4.65dB; Vertical: 4.63dB;
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	Horizontal: 5.05dB; Vertical: 5.04dB;
Uncertainty for Conducted RF test with TS 8997	RF Power Conducted: 1.16dB Frequency test involved: 0.6×10 <sup>-7</sup> or 1%