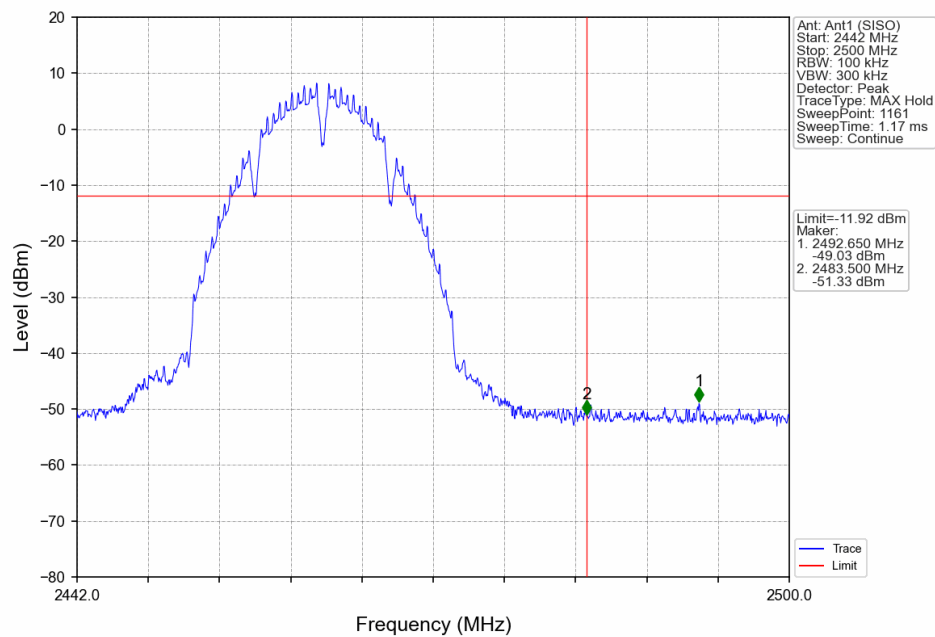
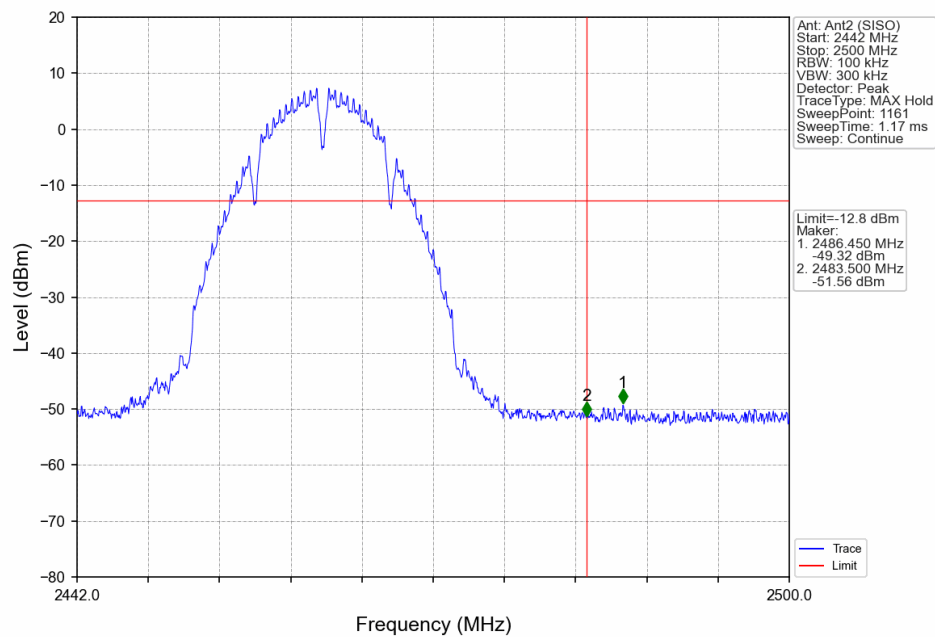


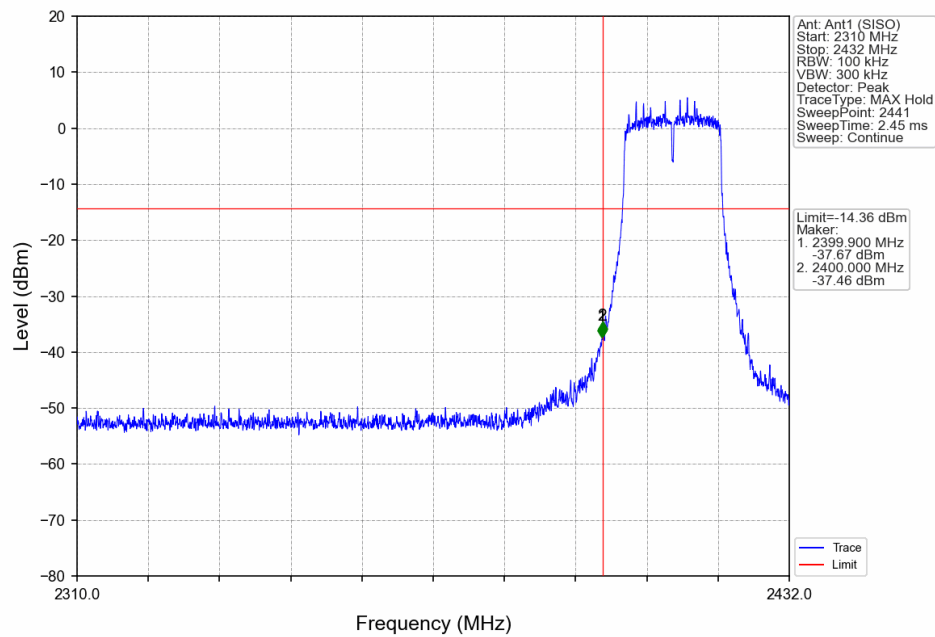
802.11b_HCH_2462MHz_Ant1 (SISO)_NTNV



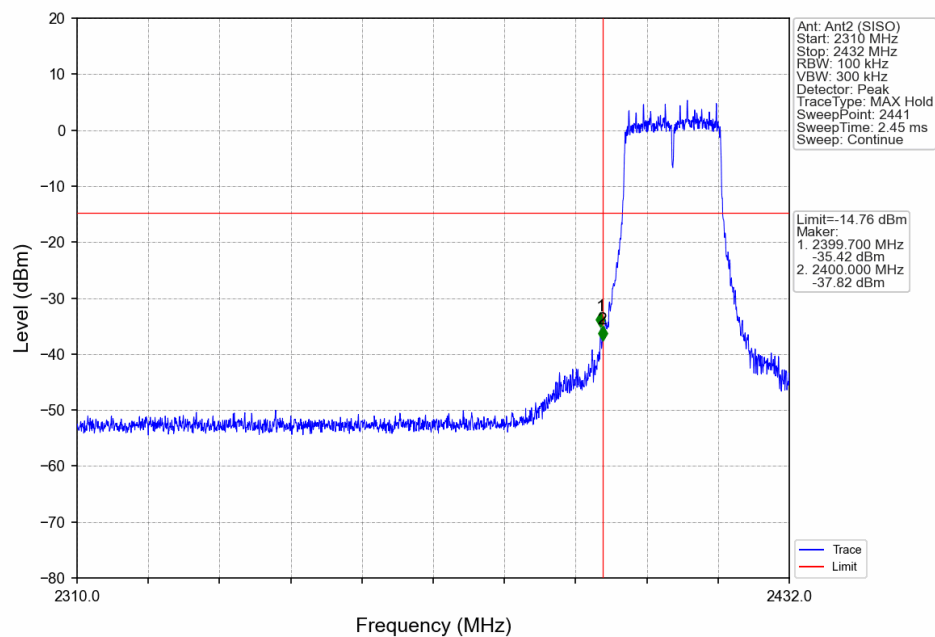
802.11b_HCH_2462MHz_Ant2 (SISO)_NTNV



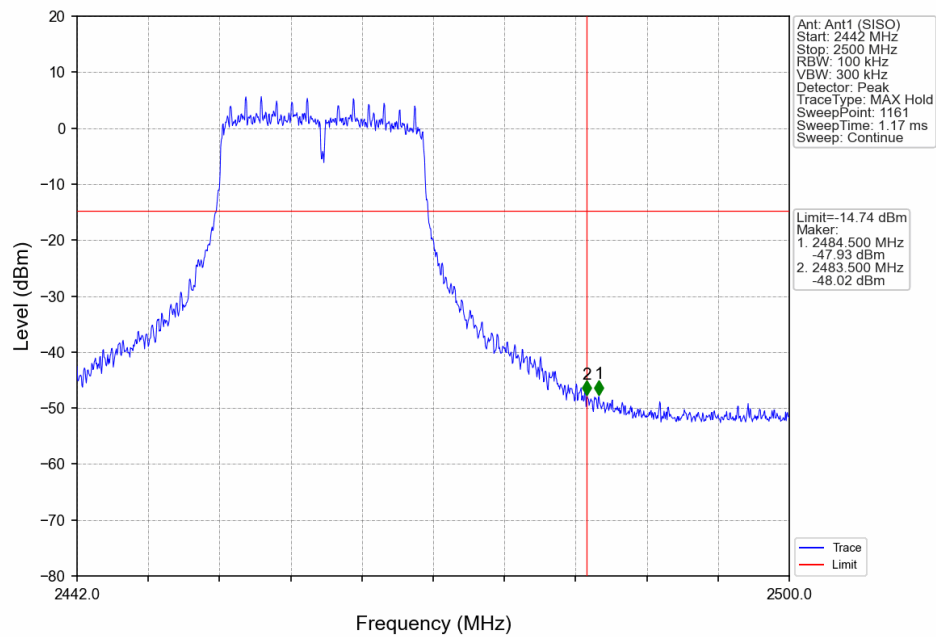
802.11g_LCH_2412MHz_Ant1 (SISO)_NTNV



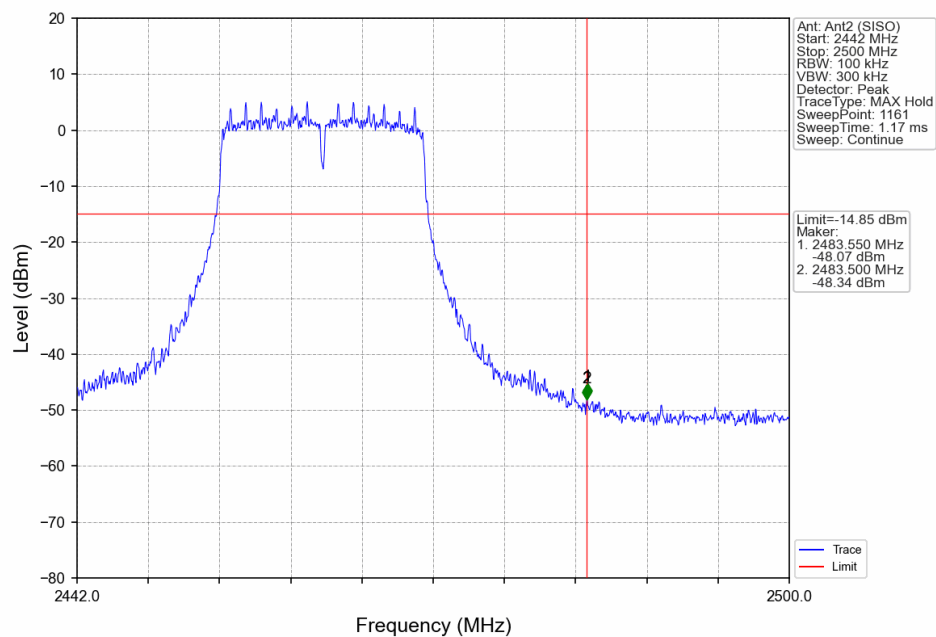
802.11g_LCH_2412MHz_Ant2 (SISO)_NTNV



802.11g_HCH_2462MHz_Ant1 (SISO)_NTNV

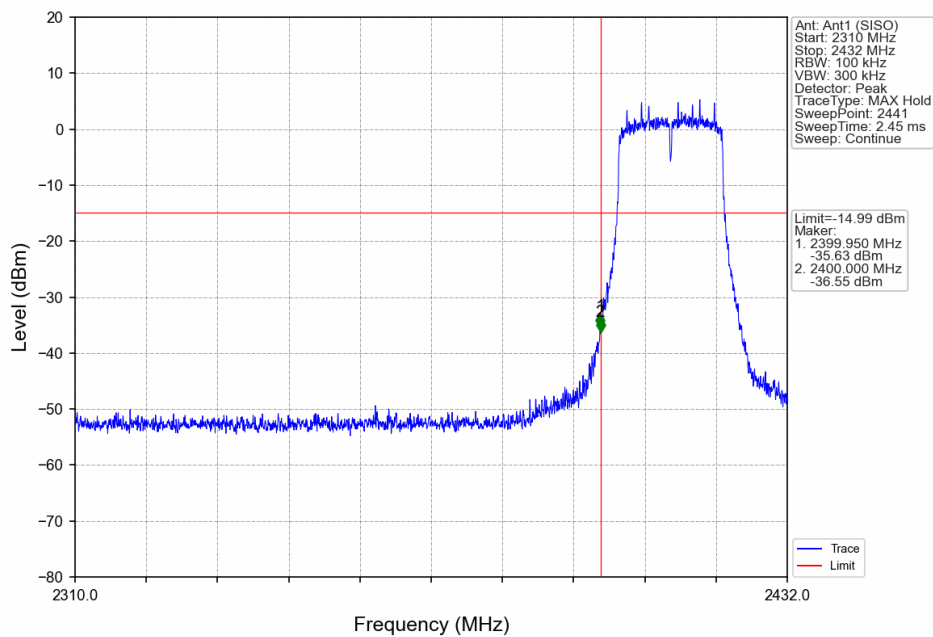


802.11g_HCH_2462MHz_Ant2 (SISO)_NTNV

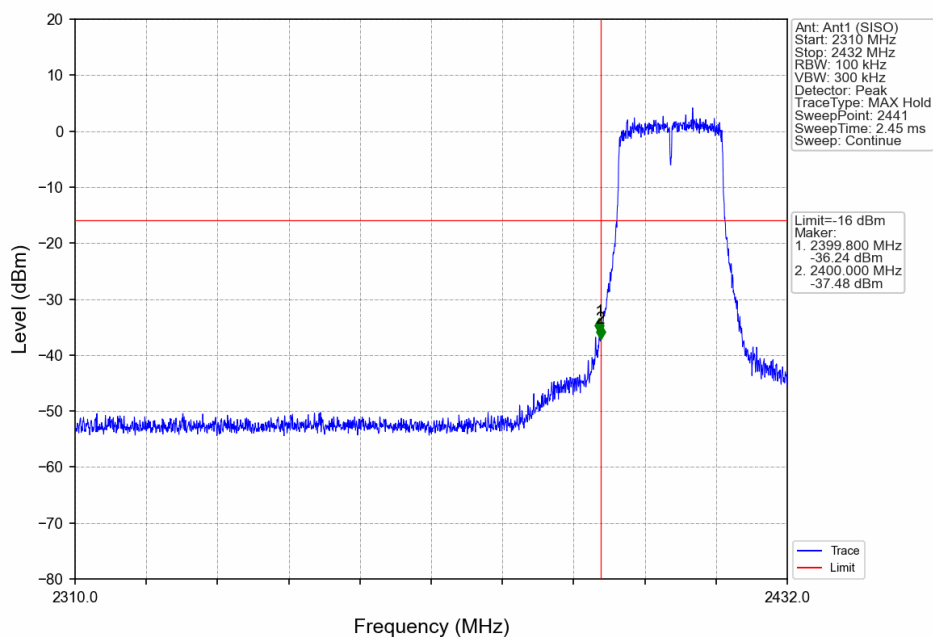




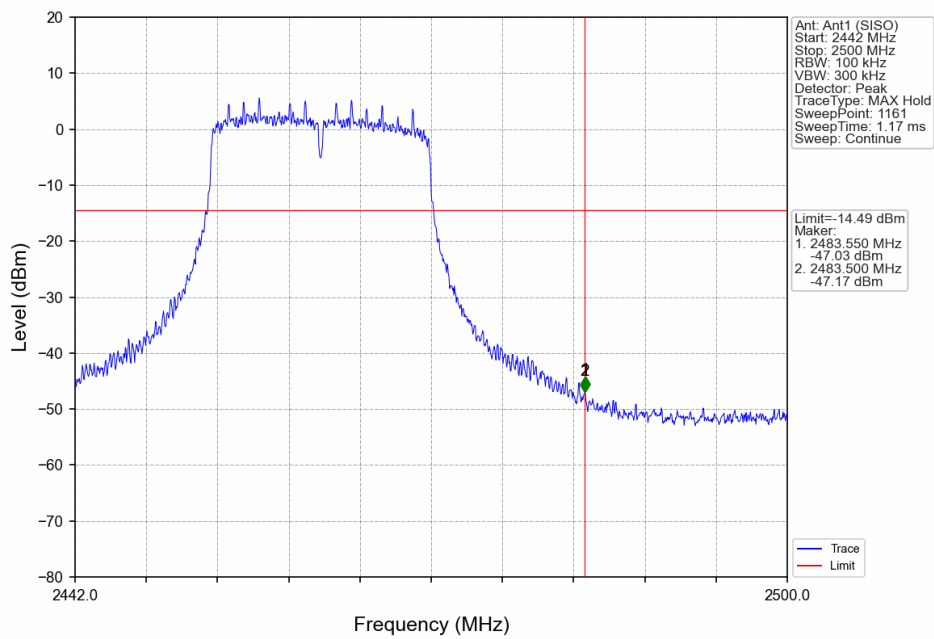
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



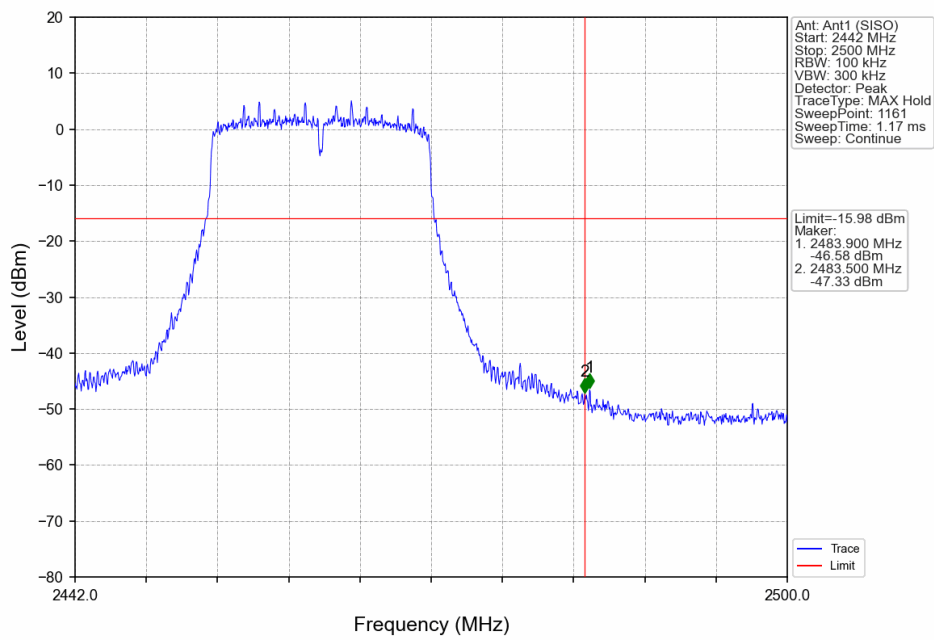
802.11n(HT20)_LCH_2412MHz_Ant1 (SISO)_NTNV



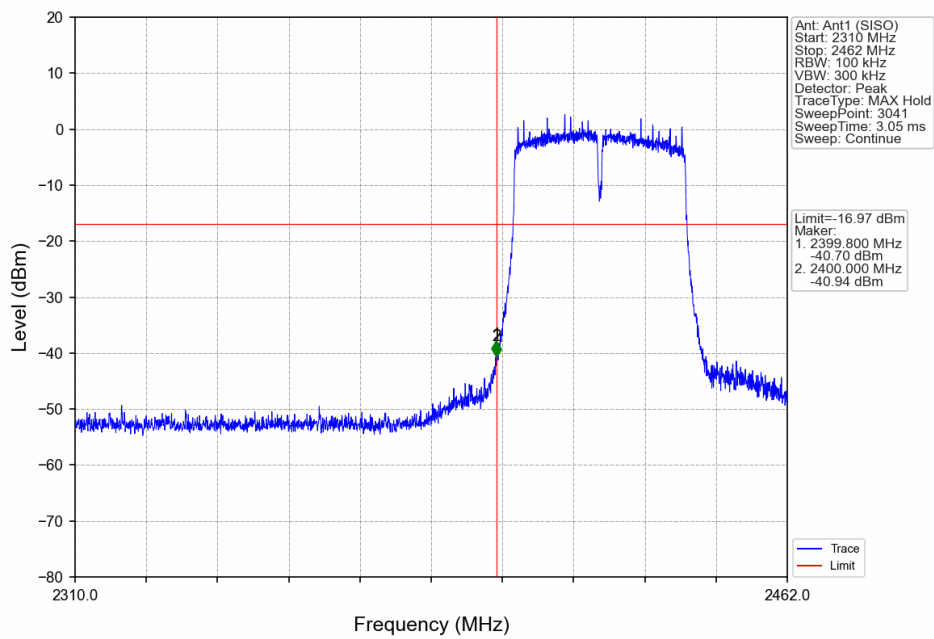
802.11n(HT20)_HCH_2462MHz_Ant1 (SISO)_NTNV



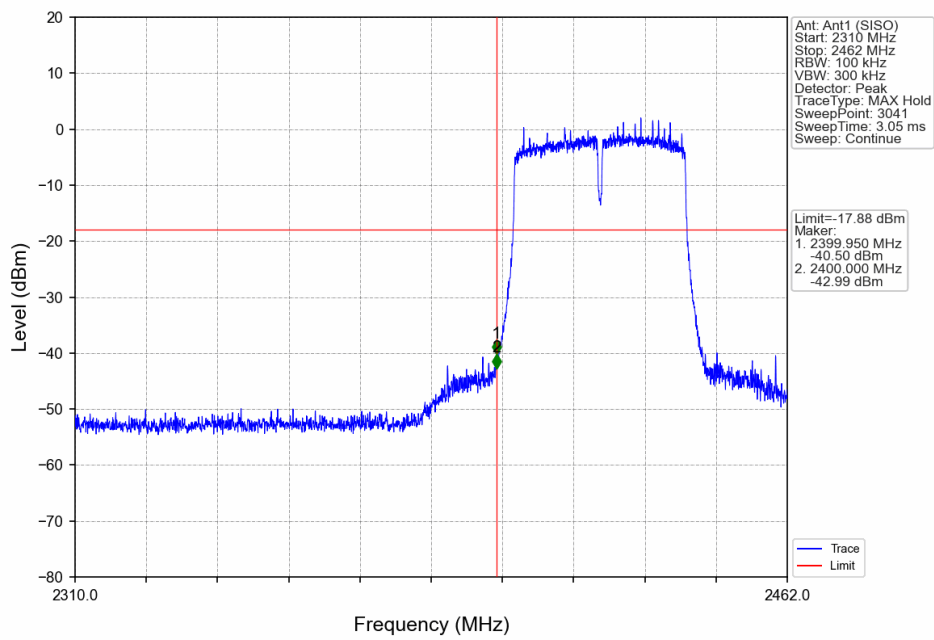
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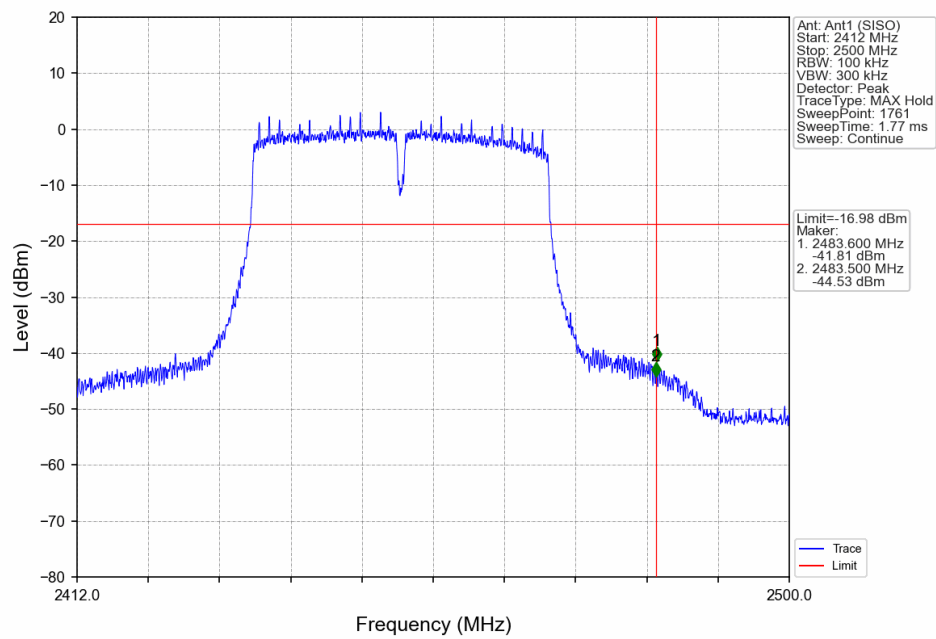
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



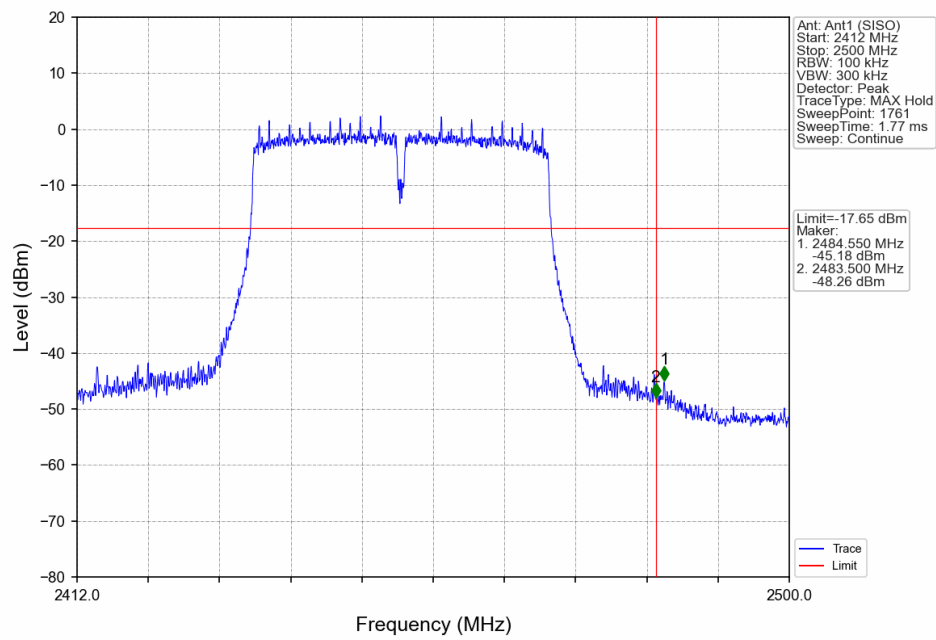
802.11n(HT40)_LCH_2422MHz_Ant1 (SISO)_NTNV



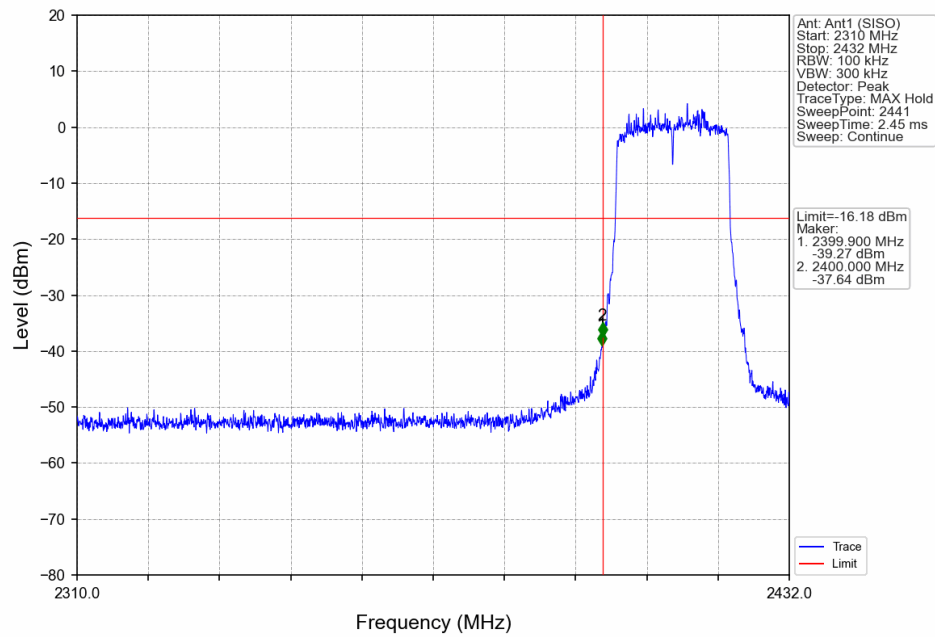
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



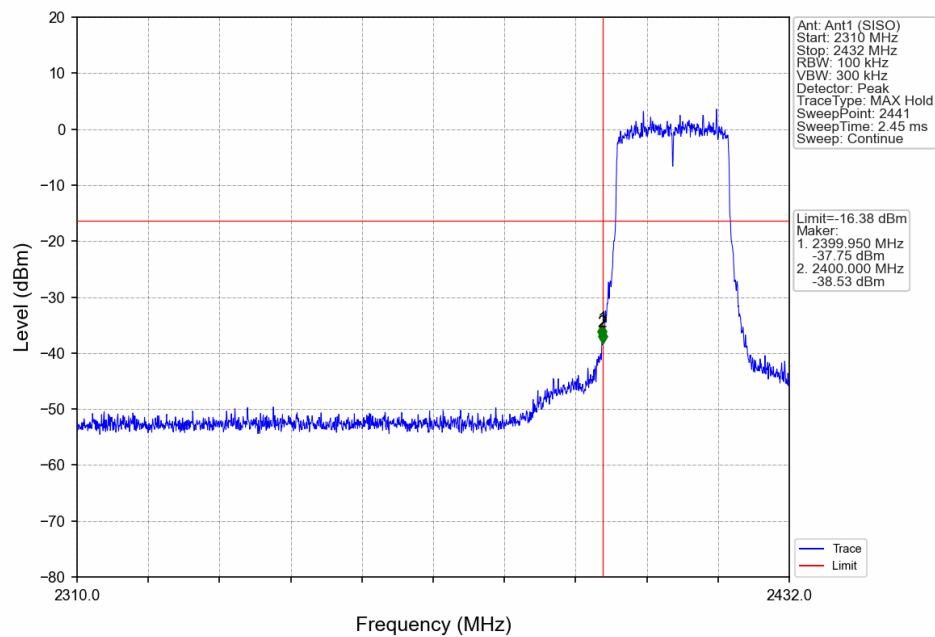
802.11n(HT40)_HCH_2452MHz_Ant1 (SISO)_NTNV



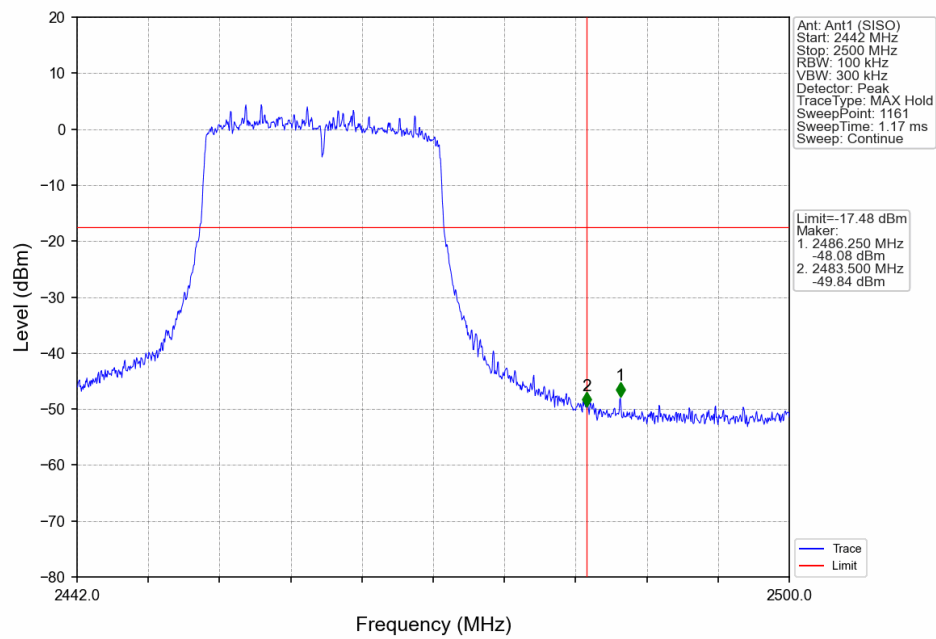
802.11ax(HEW20)_LCH_2412MHz_RU242_61_Ant1 (SISO)_NTNV



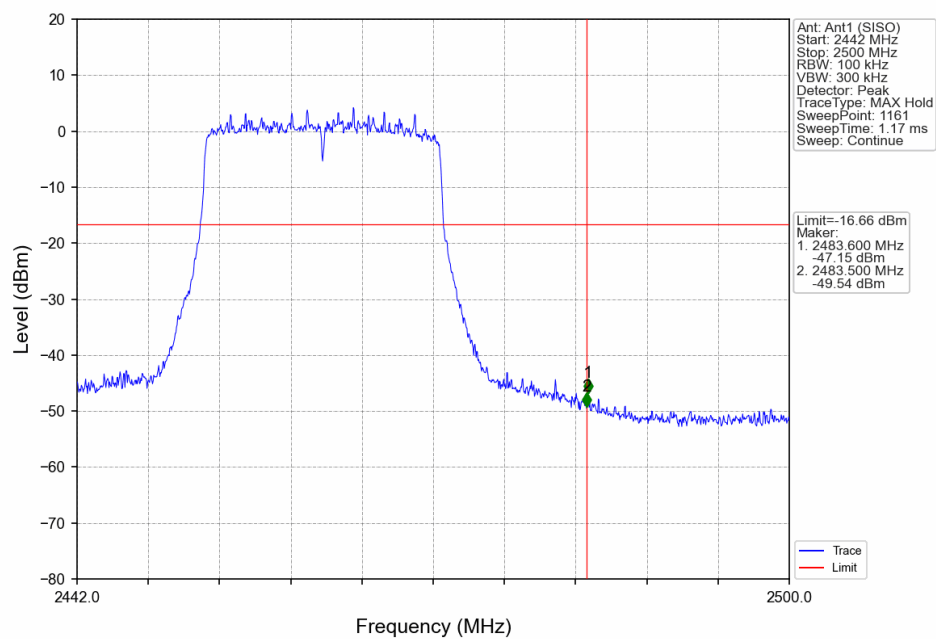
802.11ax(HEW20)_LCH_2412MHz_RU242_61_Ant1 (SISO)_NTNV



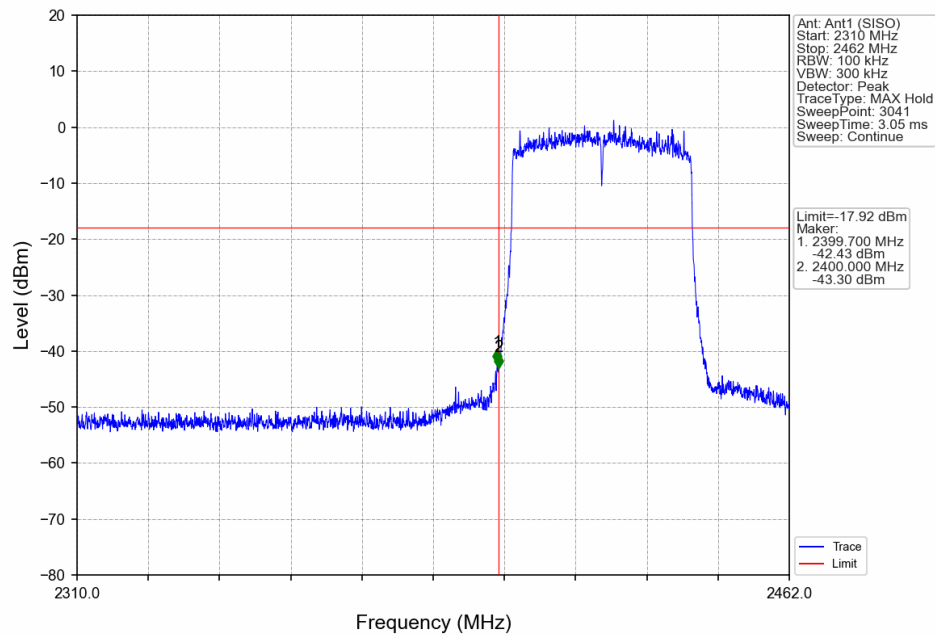
802.11ax(HEW20)_HCH_2462MHz_RU242_61_Ant1 (SISO)_NTNV



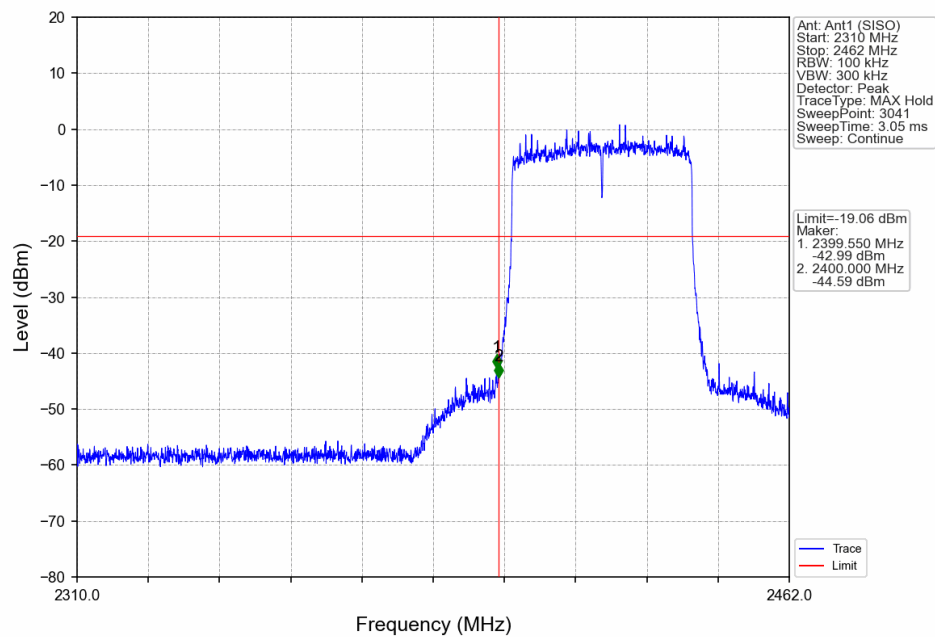
802.11ax(HEW20)_HCH_2462MHz_RU242_61_Ant1 (SISO)_NTNV



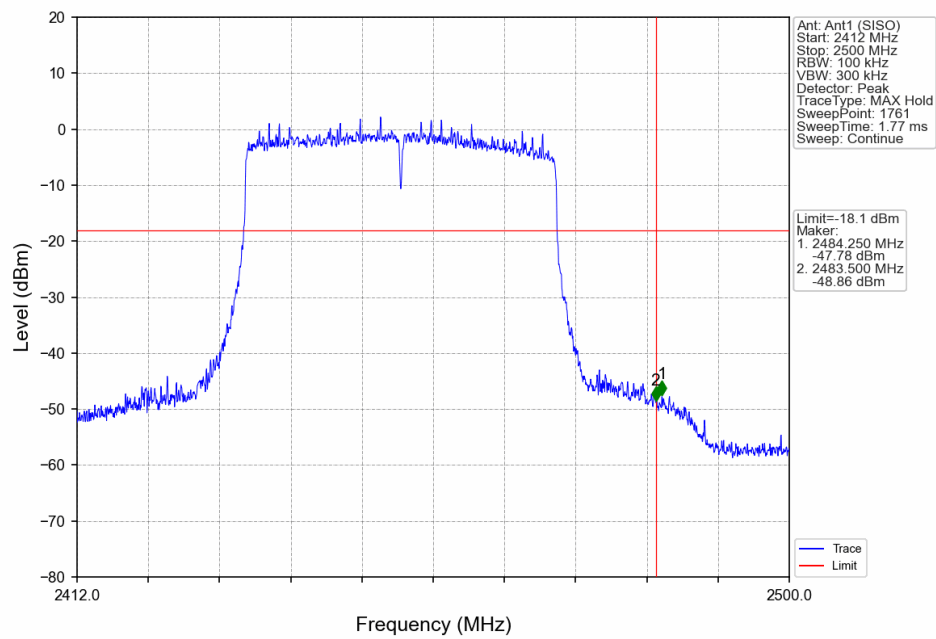
802.11ax(HEW40)_LCH_2422MHz_RU484_65_Ant1 (SISO)_NTNV



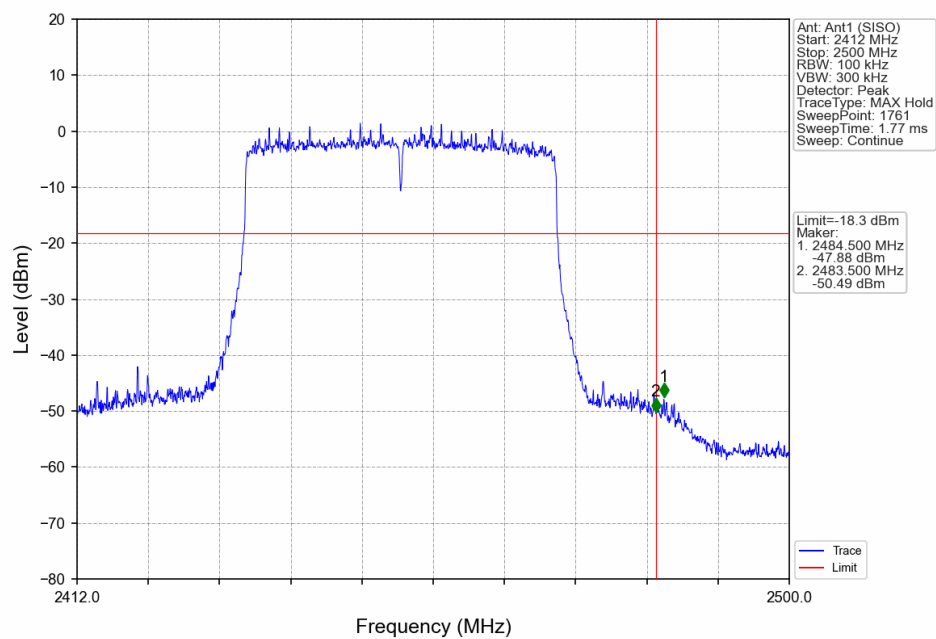
802.11ax(HEW40)_LCH_2422MHz_RU484_65_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_65_Ant1 (SISO)_NTNV



802.11ax(HEW40)_HCH_2452MHz_RU484_65_Ant1 (SISO)_NTNV



9.7 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 3 meter 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 from 0 degrees to 360 degrees to find the maximum reading.
5. Use the following spectrum analyzer settings According to C63.10:
 - 1) Procedure for Unwanted Emissions Measurements Below 1000 MHz
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 100 KHz to 120KHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.
 - 2) For Peak unwanted emissions Above 1GHz:
Span = wide enough to capture the peak level of the in-band emission and all spurious
RBW = 1MHz, VBW ≥ RBW for peak measurement, Sweep = auto, Detector function = peak, Trace = max hold.
 - 3) Procedures for average unwanted emissions measurements above 1000 MHz
 - a) RBW = 1MHz.
 - b) VBW \ [3 × RBW].
 - c) Detector = RMS (power averaging), if [span / (# of points in sweep)] \ RBW / 2. Satisfying this condition can require increasing the number of points in the sweep or reducing the span. If the condition is not satisfied, then the detector mode shall be set to peak.
 - d) Averaging type = power (i.e., rms) (As an alternative, the detector and averaging type may be set for linear voltage averaging. Some instruments require linear display mode to use linear voltage averaging. Log or dB averaging shall not be used.)
 - e) Sweep time = auto.
 - f) Perform a trace average of at least 100 traces if the transmission is continuous. If the transmission is not continuous, then the number of traces shall be increased by a factor of 1 / D, where D is the duty cycle. For example, with 50% duty cycle, at least 200 traces shall be averaged. (If a specific emission is demonstrated to be continuous—i.e., 100% duty cycle—then rather than turning ON and OFF with the transmit cycle, at least 100 traces shall be averaged.)
 - g) If tests are performed with the EUT transmitting at a duty cycle less than 98%, then a correction factor shall be added to the measurement results prior to comparing with the emission limit, to compute the emission level that would have been measured had the test been performed at 100% duty cycle. The correction factor is computed as follows:
 - 1) If power averaging (rms) mode was used in the preceding step e), then the correction factor is [10 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 3 dB shall be added to the measured emission levels.
 - 2) If linear voltage averaging mode was used in the preceding step e), then the correction factor is [20 log (1 / D)], where D is the duty cycle. For example, if the transmit duty cycle was 50%, then 6 dB shall be added to the measured emission levels.
 - 3) If a specific emission is demonstrated to be continuous (100% duty cycle) rather than

turning ON and OFF with the transmit cycle, then no duty cycle correction is required for that emission(AV) at frequency above 1GHz.

Limit

In any 100 kHz bandwidth outside the frequency band in which the spread spectrum or digitally modulated device is operating, the RF power that is produced 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, based on either an RF conducted or a radiated measurement, provided that the transmitter demonstrates compliance with the peak conducted power limits. If the transmitter complies with the conducted power limits based on the use of RMS averaging over a time interval, as permitted under § 15.247(b)(3), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in § 15.209(a) is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a).

Frequency MHz	Field Strength μV/m	Field Strength dBμV/m	Detector	Measurement distance meters
0.009-0.490	2400/F(kHz)	48.5-13.8	AV	300
0.490-1.705	24000/F(kHz)	33.8-23.0	QP	30
1.705-30	30	29.5	QP	30
30-88	100	40	QP	3
88-216	150	43.5	QP	3
216-960	200	46	QP	3
960-1000	500	54	QP	3
Above 1000	500	54	AV	3
Above 1000	5000	74	PK	3

Note 1: Limit 3m(dBμV/m)=Limit 300m(dBμV/m)+40Log(300m/3m) (Below 30MHz)

Note 2: Limit 3m(dBμV/m)=Limit 30m(dBμV/m)+40Log(30m/3m) (Below 30MHz)

12\ 15.205 (a) Except as shown in paragraph (d) of this section, only spurious emissions are permitted in any of the frequency bands listed below:

MHz	MHz	MHz	GHz
0.090-0.110	16.42-16.423	399.9-410	4.5-5.15
1\ 0.495-0.505	16.69475-16.69525	608-614	5.35-5.46
2.1735-2.1905	16.80425-16.80475	960-1240	7.25-7.75
4.125-4.128	25.5-25.67	1300-1427	8.025-8.5
4.17725-4.17775	37.5-38.25	1435-1626.5	9.0-9.2
4.20725-4.20775	73-74.6	1645.5-1646.5	9.3-9.5
6.215-6.218	74.8-75.2	1660-1710	10.6-12.7
6.26775-6.26825	108-121.94	1718.8-1722.2	13.25-13.4
6.31175-6.31225	123-138	2200-2300	14.47-14.5
8.291-8.294	149.9-150.05	2310-2390	15.35-16.2
8.362-8.366	156.52475-156.52525	2483.5-2500	17.7-21.4
8.37625-8.38675	156.7-156.9	2690-2900	22.01-23.12
8.41425-8.41475	162.0125-167.17	3260-3267	23.6-24.0
12.29-12.293	167.72-173.2	3332-3339	31.2-31.8
12.51975-12.52025	240-285	3345.8-3358	36.43-36.5
12.57675-12.57725	322-335.4	3600-4400	(12\)
13.36-13.41			

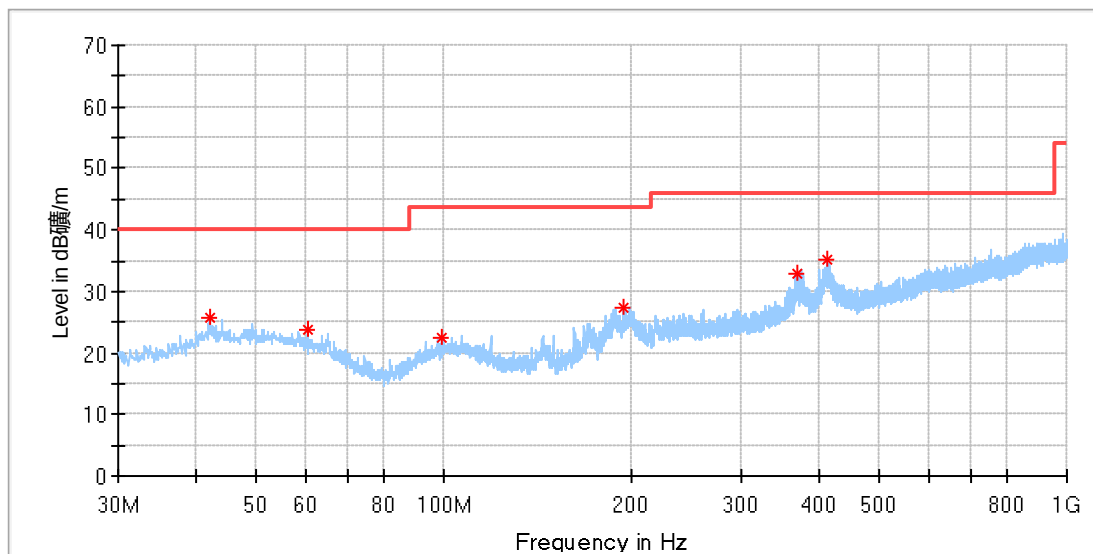
Spurious radiated emissions for transmitter

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.

Only the worst case (802.11g) test result is listed in the report.

Transmitting spurious emission test result as below:

Below 1G -Horizontal



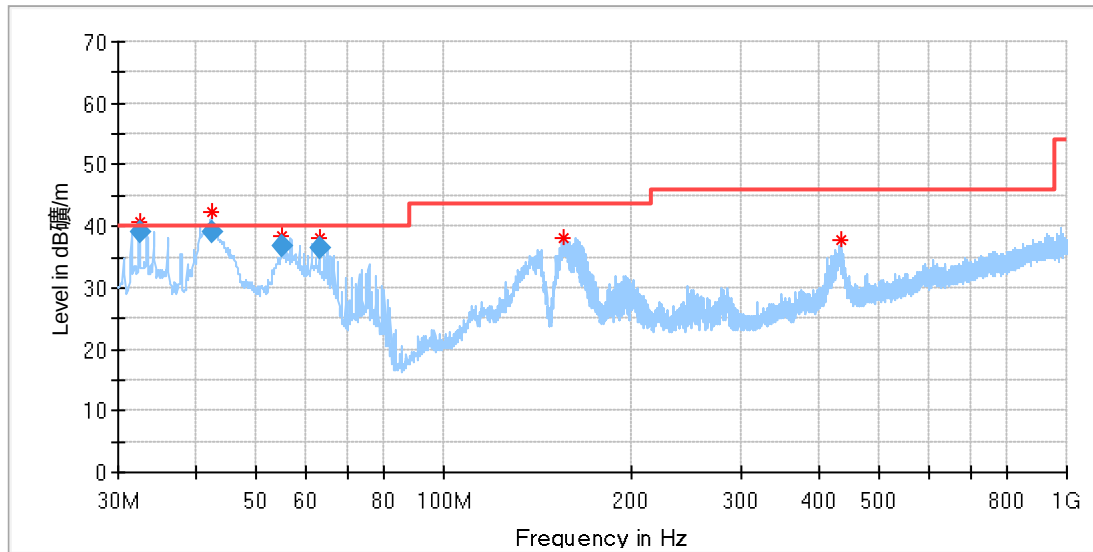
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
42.003750	25.62	40.00	14.38	100.0	H	0.0	19.81
60.312500	23.82	40.00	16.18	200.0	H	208.0	19.60
99.536875	22.45	43.50	21.05	200.0	H	302.0	18.85
194.718125	27.29	43.50	16.21	100.0	H	9.0	19.02
370.045625	33.03	46.00	12.97	100.0	H	195.0	22.99
411.573750	35.22	46.00	10.78	200.0	H	0.0	24.30

Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
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Below 1G - Vertical



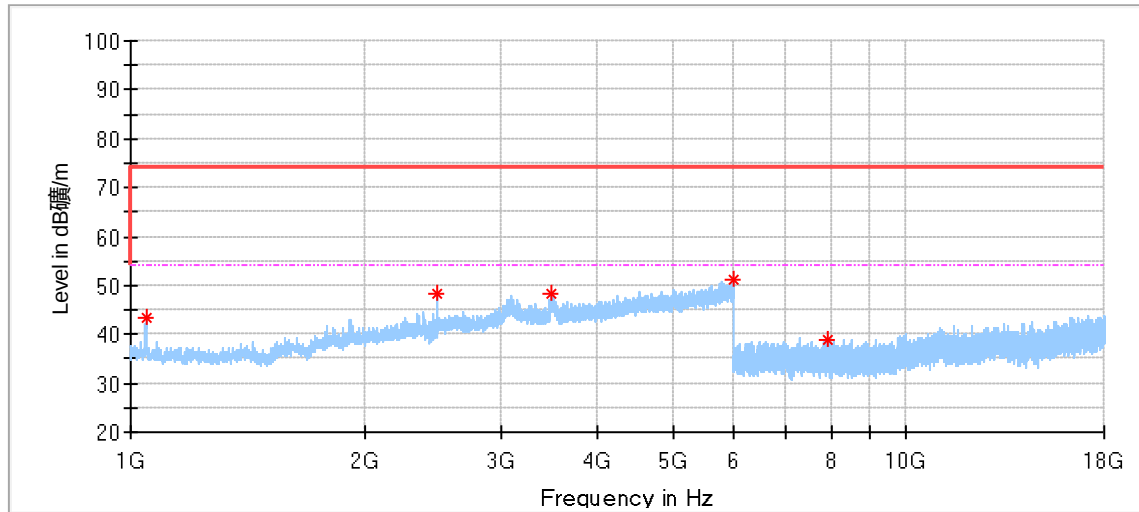
Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.485625	40.61	40.00	-0.61	100.0	V	244.0	16.68
42.428125	42.24	40.00	-2.24	100.0	V	47.0	19.90
55.038125	38.28	40.00	1.72	100.0	V	175.0	20.51
63.101250	38.21	40.00	1.79	100.0	V	209.0	18.87
155.190625	38.21	43.50	5.29	100.0	V	244.0	15.59
433.459375	37.65	46.00	8.35	100.0	V	315.0	24.80

Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
32.485625	39.00	40.00	1.00	100.0	V	244.0	16.68
42.428125	39.20	40.00	0.80	100.0	V	47.0	19.90
55.038125	36.70	40.00	3.30	100.0	V	175.0	20.51
63.101250	36.40	40.00	3.60	100.0	V	209.0	18.87

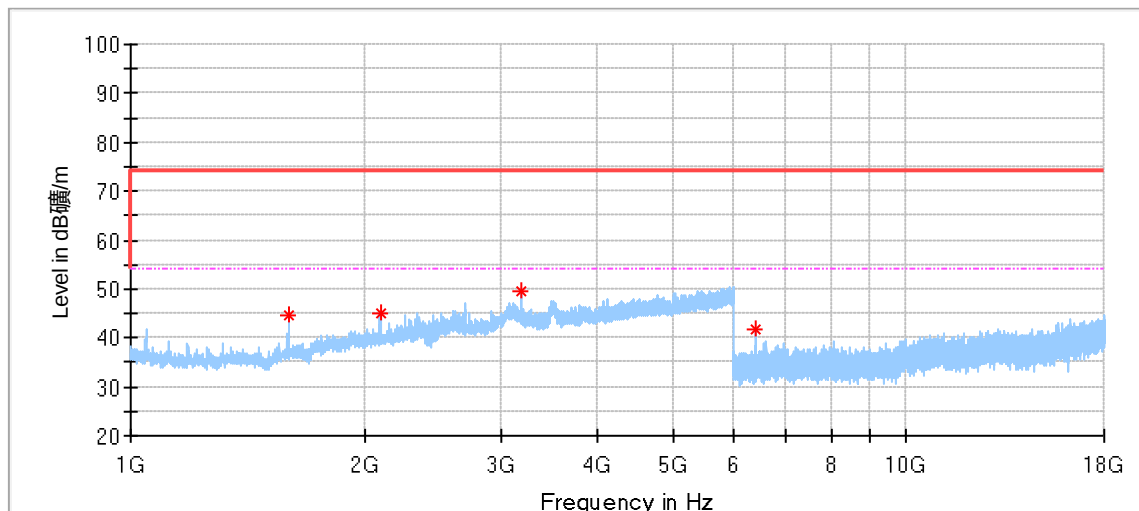
802.11b-2412MHz - Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1048.500000	43.50	74.00	30.50	150.0	H	228.0	-8.59
2479.500000	48.15	74.00	25.85	150.0	H	144.0	-2.04
3492.000000	48.17	74.00	25.83	150.0	H	108.0	3.19
5987.500000	51.00	74.00	23.00	150.0	H	144.0	6.91
7932.000000	39.05	74.00	34.95	150.0	H	252.0	6.43

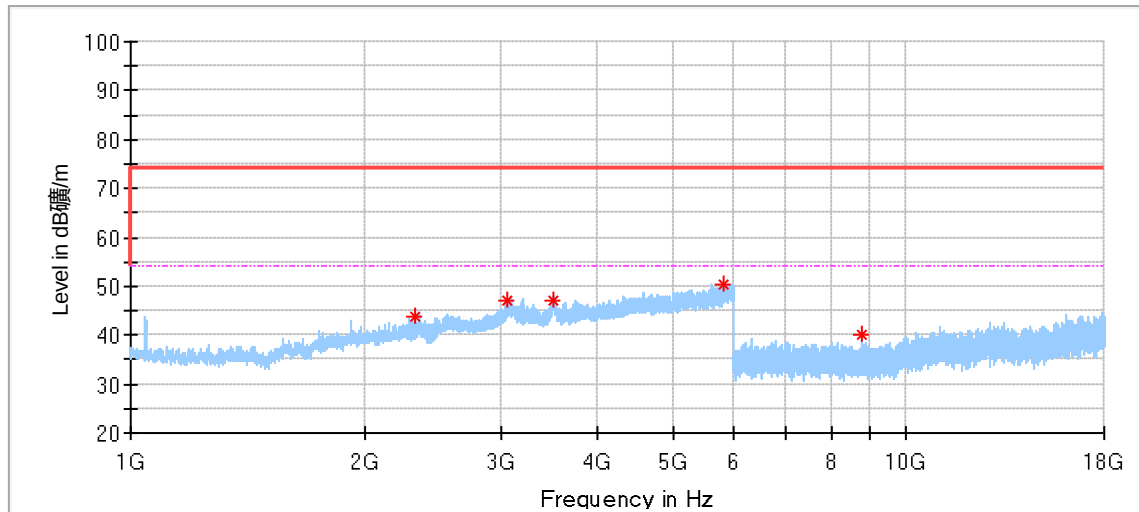
802.11b-2412MHz - Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1599.000000	44.65	74.00	29.35	150.0	V	183.0	-7.21
2097.000000	45.05	74.00	28.95	150.0	V	207.0	-4.47
3197.500000	49.72	74.00	24.28	150.0	V	147.0	0.38
6377.500000	41.69	74.00	32.31	150.0	V	104.0	5.32

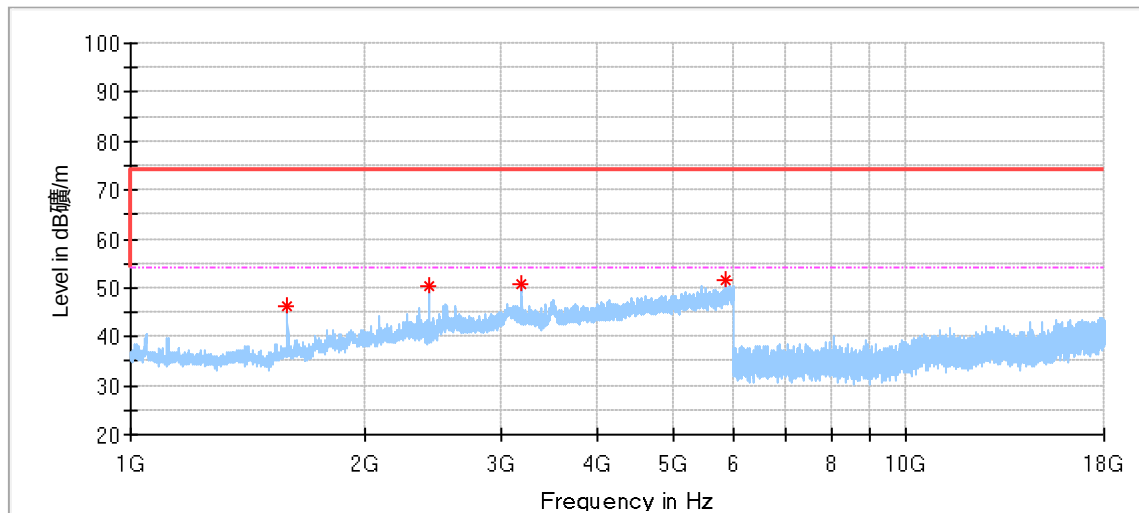
802.11b-2437MHz – Horizontal



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2324.000000	43.95	74.00	30.05	150.0	H	255.0	-3.40
3060.000000	46.91	74.00	27.09	150.0	H	290.0	1.35
3506.000000	47.13	74.00	26.87	150.0	H	267.0	3.43
5824.500000	50.53	74.00	23.47	150.0	H	195.0	6.48
8786.500000	39.99	74.00	34.01	150.0	H	156.0	7.04

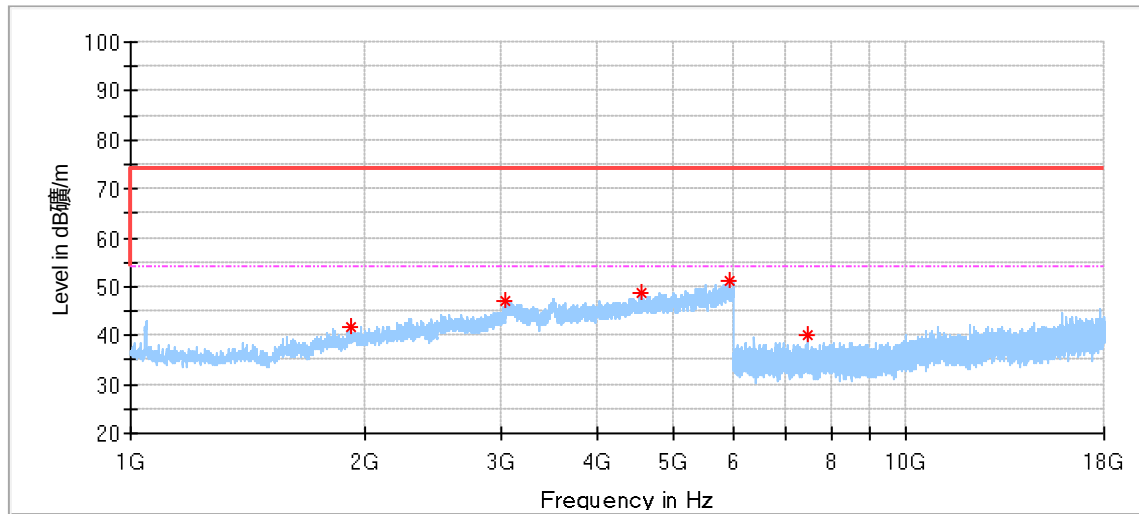
802.11b-2437MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1594.000000	46.46	74.00	27.54	150.0	V	180.0	-7.29
2426.000000	50.36	74.00	23.64	150.0	V	120.0	-2.37
3190.000000	50.83	74.00	23.17	150.0	V	156.0	0.42
5862.500000	51.43	74.00	22.57	150.0	V	338.0	6.75

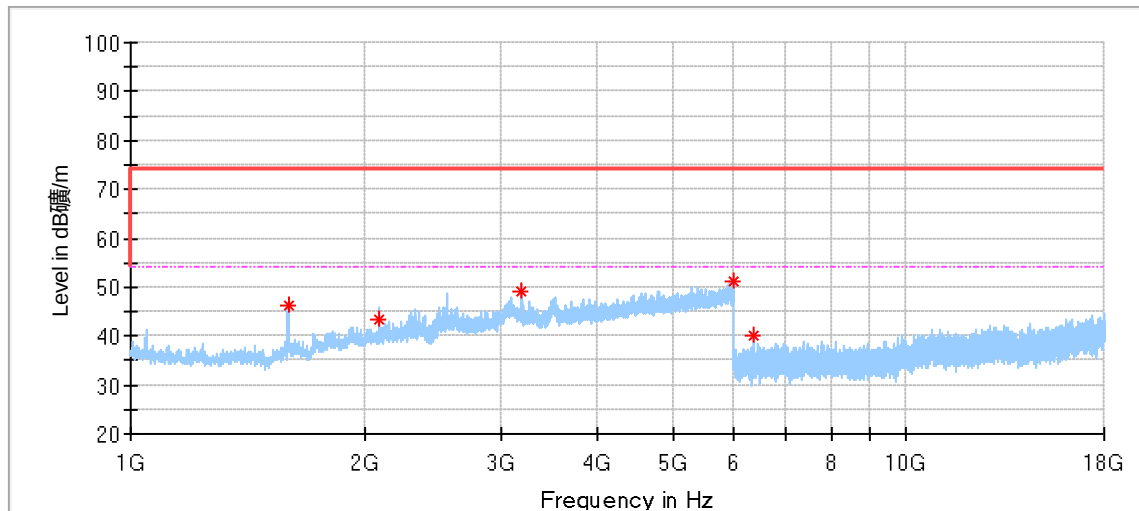
802.11b-2462MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1919.500000	41.80	74.00	32.20	150.0	H	195.0	-5.01
3042.000000	47.06	74.00	26.94	150.0	H	314.0	1.10
4568.500000	48.61	74.00	25.39	150.0	H	84.0	3.67
5926.000000	50.99	74.00	23.01	150.0	H	84.0	6.87
7448.500000	40.14	74.00	33.87	150.0	H	33.0	6.09

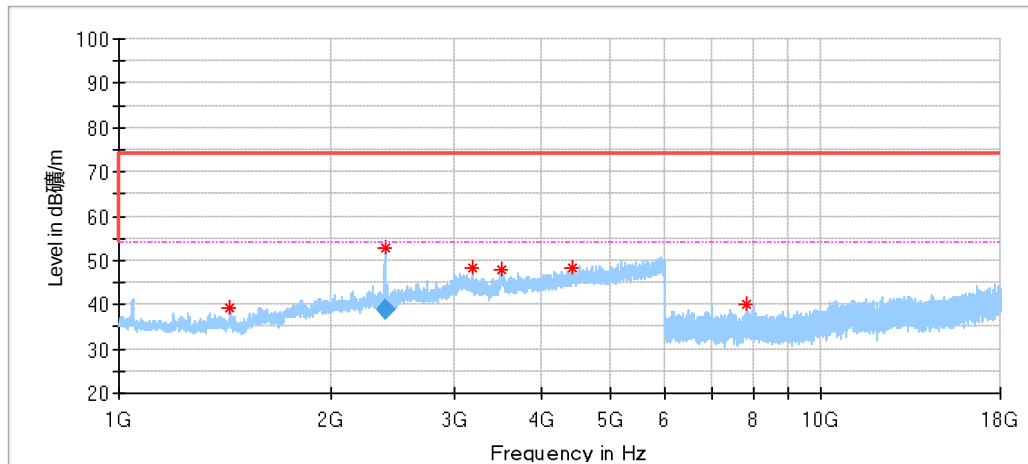
802.11b-2462MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1599.000000	46.05	74.00	27.95	150.0	V	180.0	-7.21
2093.000000	43.45	74.00	30.55	150.0	V	168.0	-4.47
3192.000000	49.30	74.00	24.70	150.0	V	156.0	0.41
5977.500000	51.26	74.00	22.74	150.0	V	4.0	6.90
6375.000000	40.30	74.00	33.70	150.0	V	230.0	5.32

802.11g-2412MHz – Horizontal



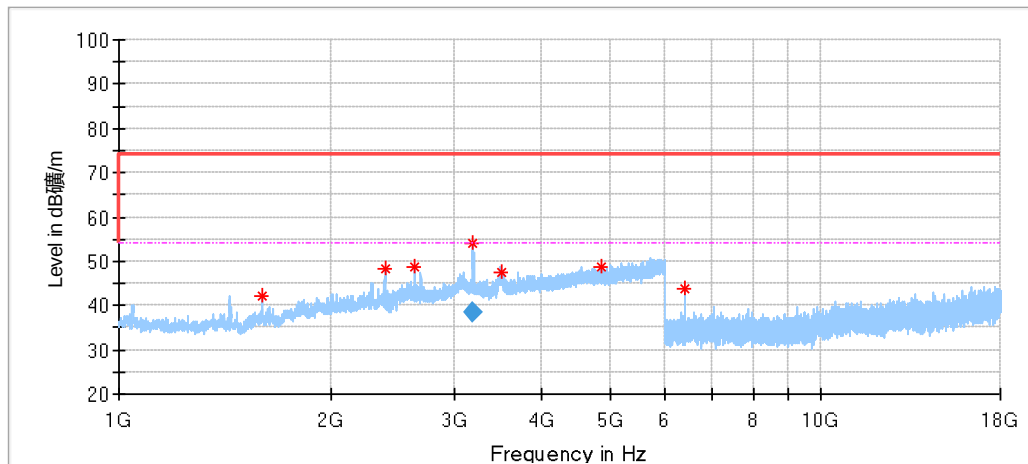
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1439.500000	39.45	74.00	34.55	150.0	H	264.0	-8.85
2393.000000	52.77	74.00	21.23	150.0	H	347.0	-2.77
3187.000000	48.23	74.00	25.77	150.0	H	312.0	0.44
3497.000000	47.95	74.00	26.05	150.0	H	156.0	3.54
4435.000000	48.29	74.00	25.71	150.0	H	144.0	3.14
7822.500000	39.95	74.00	34.05	150.0	H	29.0	6.36

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2393.000000	38.82	54.00	15.18	150.0	H	347.0	-2.77

802.11g-2412MHz – Vertical



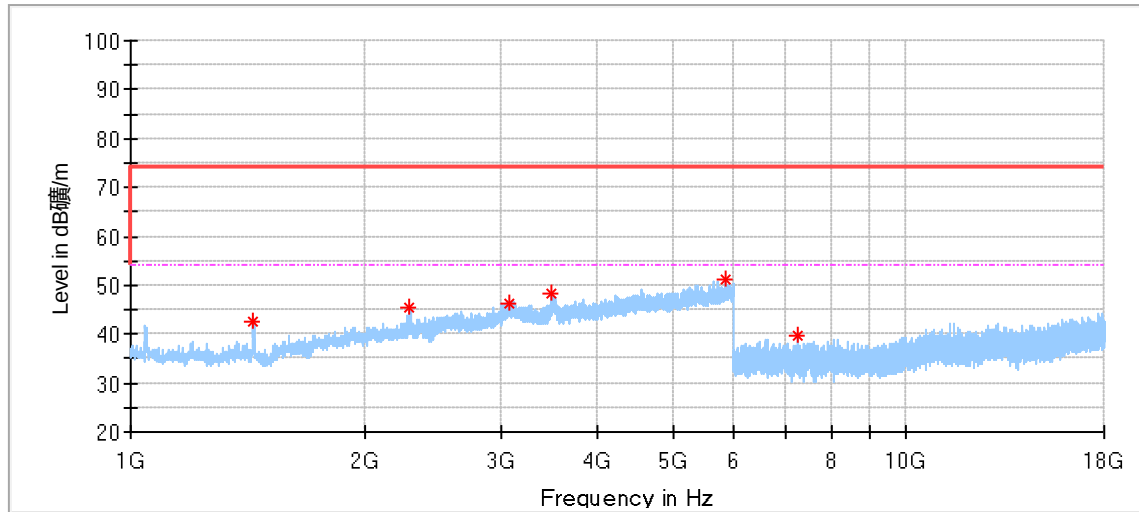
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1599.000000	42.24	74.00	31.76	150.0	V	279.0	-7.21
2393.500000	48.44	74.00	25.56	150.0	V	228.0	-2.77
2637.500000	48.51	74.00	25.49	150.0	V	267.0	-1.61
3188.000000	53.96	74.00	20.04	150.0	V	240.0	0.43
3500.500000	47.52	74.00	26.48	150.0	V	48.0	3.73
4851.500000	48.88	74.00	25.12	150.0	V	356.0	4.04
6385.500000	43.96	74.00	30.04	150.0	V	202.0	5.33

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3188.000000	38.51	54.00	15.49	150.0	V	240.0	0.43

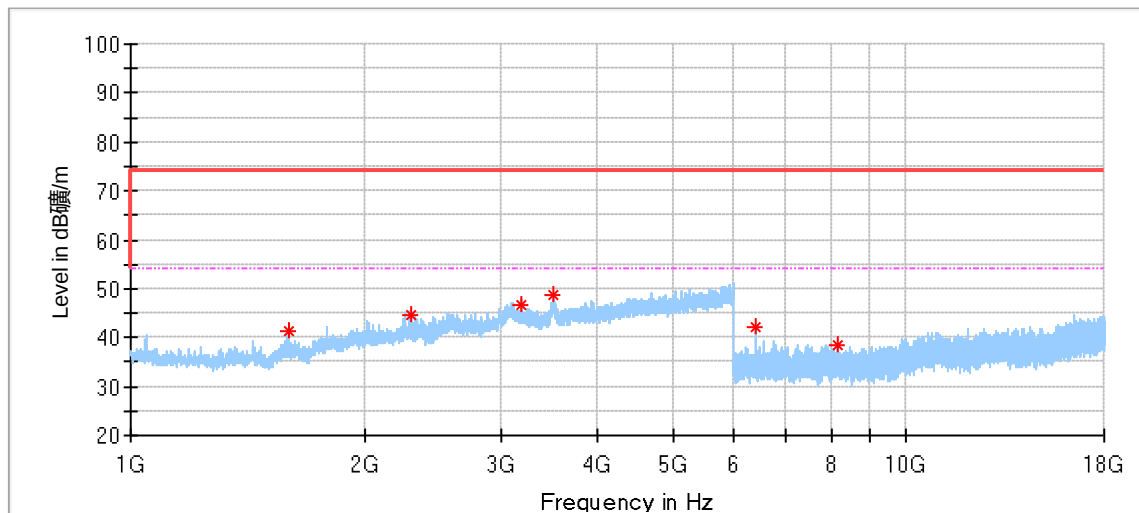
802.11g-2437MHz – Horizontal



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1437.500000	42.39	74.00	31.61	150.0	H	302.0	-8.82
2292.500000	45.39	74.00	28.61	150.0	H	279.0	-3.57
3086.000000	46.36	74.00	27.64	150.0	H	87.0	1.40
3491.500000	48.17	74.00	25.83	150.0	H	0.0	3.15
5859.500000	51.04	74.00	22.96	150.0	H	99.0	6.73
7243.500000	39.66	74.00	34.34	150.0	H	33.0	5.77

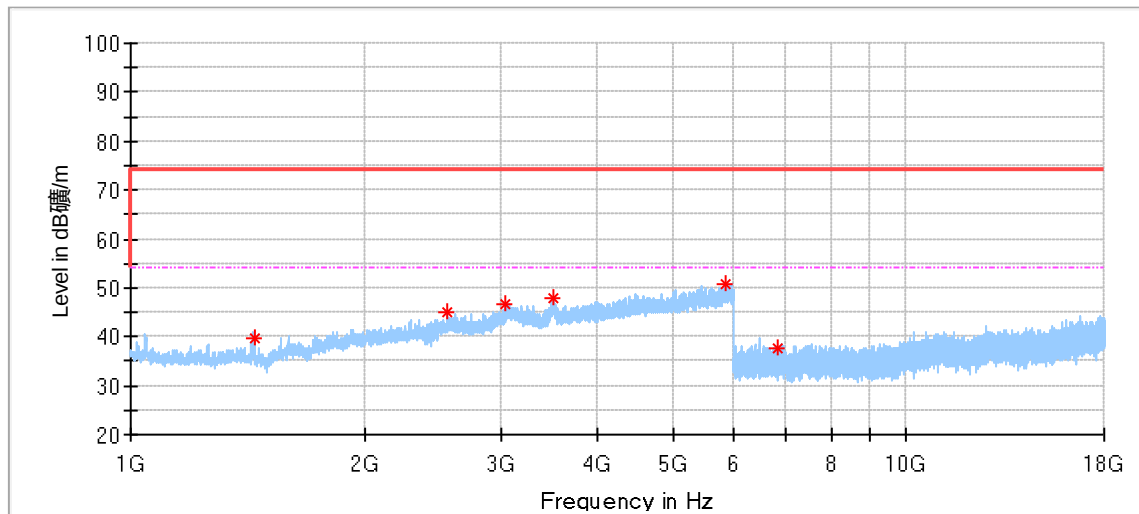
802.11g-2437MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1599.000000	41.54	74.00	32.46	150.0	V	36.0	-7.21
2297.500000	44.65	74.00	29.35	150.0	V	279.0	-3.55
3191.500000	46.75	74.00	27.25	150.0	V	168.0	0.41
3498.500000	48.82	74.00	25.18	150.0	V	144.0	3.65
6393.000000	42.26	74.00	31.74	150.0	V	206.0	5.34
8150.000000	38.33	74.00	35.67	150.0	V	35.0	6.58

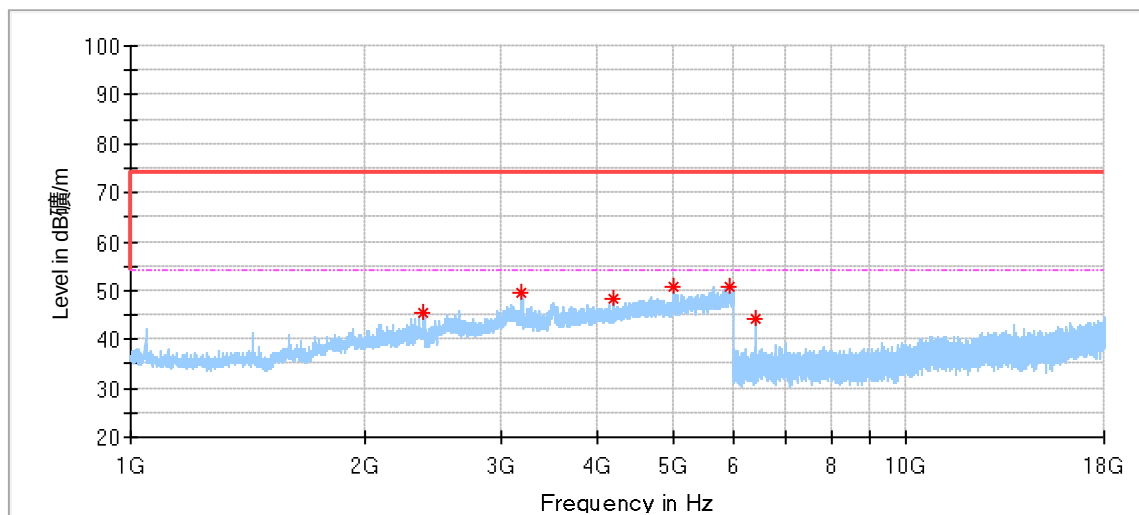
802.11g-2462MHz – Horizontal



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1444.000000	39.70	74.00	34.30	150.0	H	267.0	-8.92
2561.000000	44.95	74.00	29.05	150.0	H	243.0	-1.55
3039.000000	46.64	74.00	27.36	150.0	H	84.0	1.00
3507.500000	47.98	74.00	26.02	150.0	H	120.0	3.34
5856.000000	50.79	74.00	23.21	150.0	H	255.0	6.71
6847.000000	37.78	74.00	36.22	150.0	H	329.0	5.60

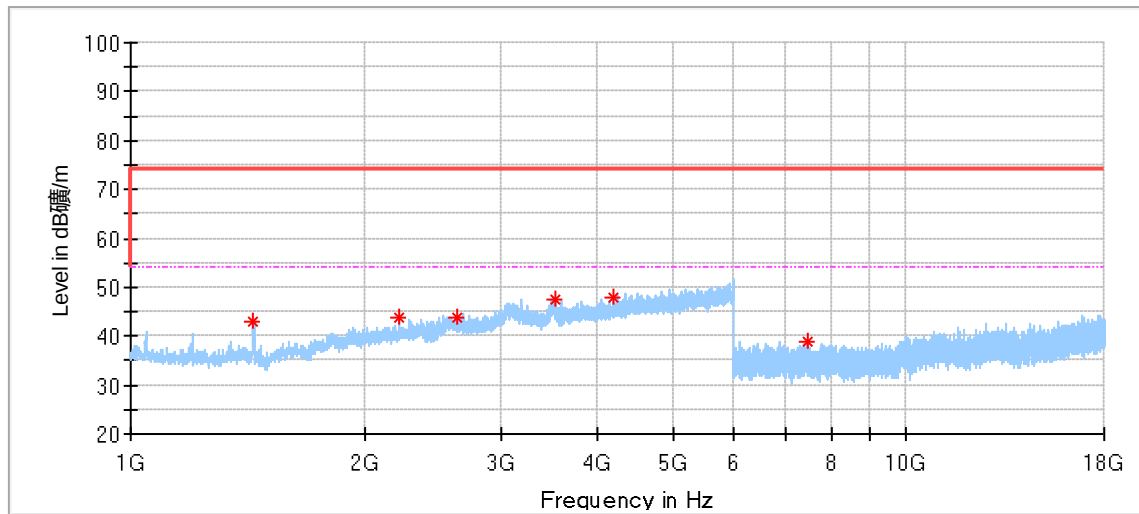
802.11g-2462MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2389.500000	45.61	74.00	28.39	150.0	V	316.0	-2.81
3198.500000	49.52	74.00	24.48	150.0	V	256.0	0.37
4202.000000	48.11	74.00	25.89	150.0	V	0.0	2.08
5021.500000	50.67	74.00	23.33	150.0	V	256.0	4.39
5909.000000	50.97	74.00	23.03	150.0	V	36.0	6.87
6382.000000	44.09	74.00	29.91	150.0	V	356.0	5.33

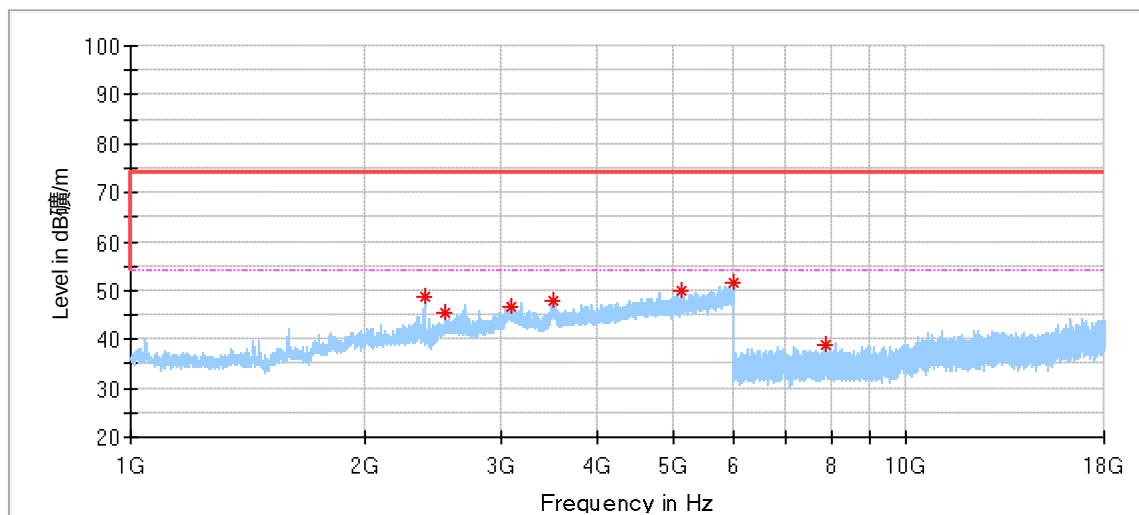
802.11n20-2412MHz – Horizontal



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1441.500000	42.92	74.00	31.08	150.0	H	302.0	-8.88
2219.500000	43.63	74.00	30.37	150.0	H	168.0	-3.80
2641.000000	43.61	74.00	30.39	150.0	H	132.0	-1.66
3525.000000	47.61	74.00	26.39	150.0	H	0.0	2.33
4202.000000	47.76	74.00	26.24	150.0	H	219.0	2.08
7452.000000	38.98	74.00	35.02	150.0	H	281.0	6.10

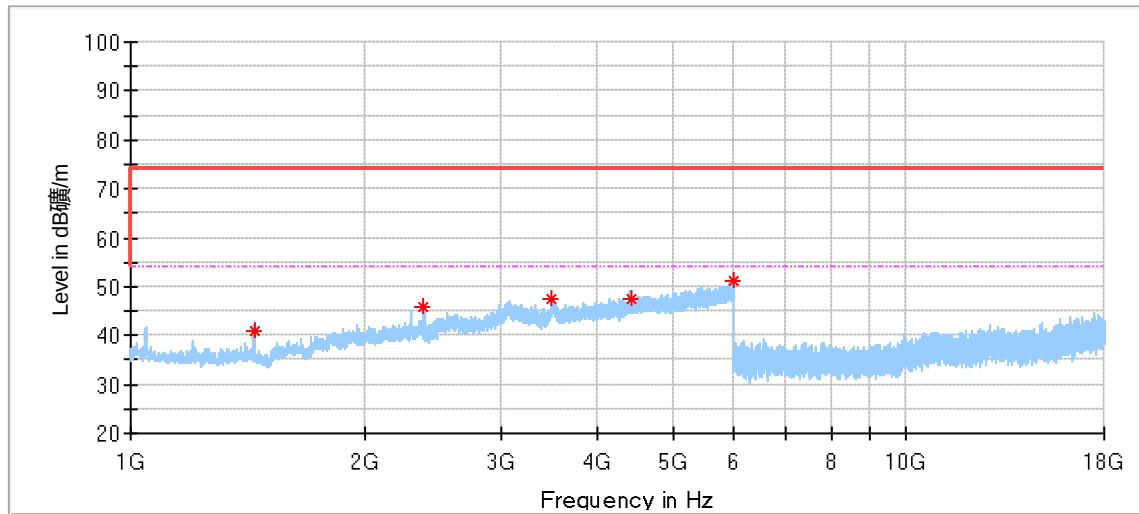
802.11n20-2412MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2393.500000	48.82	74.00	25.18	150.0	V	228.0	-2.77
2549.500000	45.57	74.00	28.43	150.0	V	264.0	-1.64
3098.500000	46.57	74.00	27.43	150.0	V	72.0	1.49
3510.500000	48.06	74.00	25.94	150.0	V	24.0	3.17
5124.000000	49.79	74.00	24.21	150.0	V	24.0	4.75
6000.000000	51.72	74.00	22.28	150.0	V	252.0	6.95
7887.000000	38.80	74.00	35.20	150.0	V	230.0	6.38

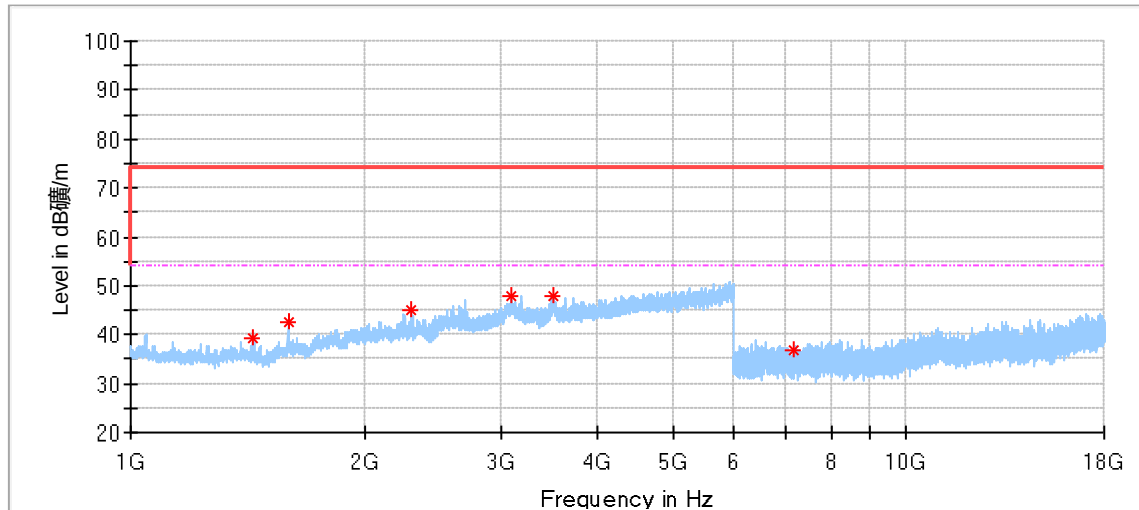
802.11n20-2437MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1442.500000	40.76	74.00	33.24	150.0	H	264.0	-8.90
2389.500000	45.64	74.00	28.36	150.0	H	192.0	-2.81
3489.500000	47.45	74.00	26.55	150.0	H	96.0	3.01
4432.500000	47.51	74.00	26.49	150.0	H	156.0	3.13
5977.500000	51.11	74.00	22.89	150.0	H	4.0	6.90

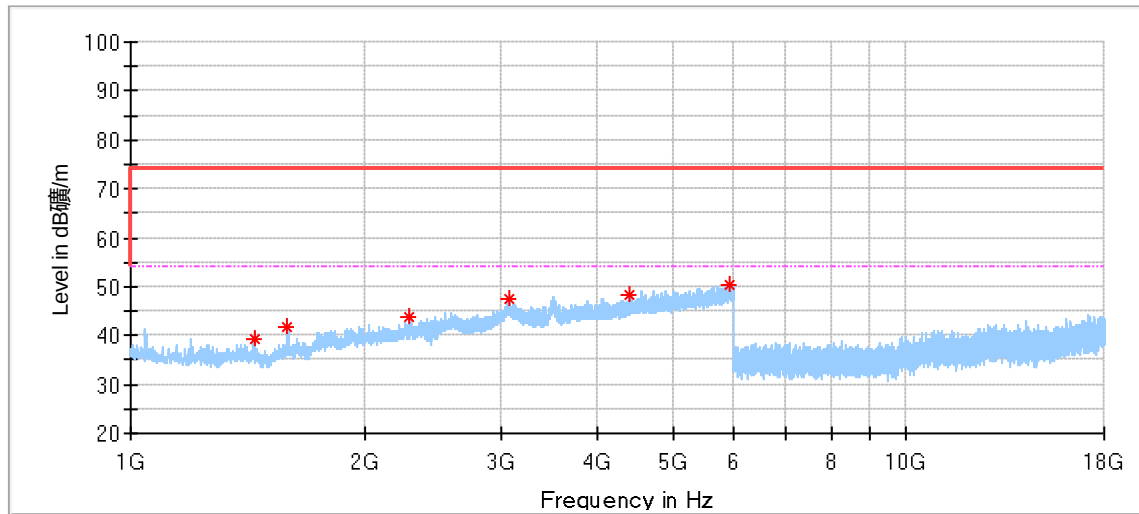
802.11n20-2437MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1438.500000	39.33	74.00	34.67	150.0	V	84.0	-8.83
1595.000000	42.59	74.00	31.41	150.0	V	108.0	-7.28
2293.500000	45.02	74.00	28.98	150.0	V	252.0	-3.56
3096.000000	47.71	74.00	26.29	150.0	V	120.0	1.48
3504.000000	47.85	74.00	26.15	150.0	V	36.0	3.55
7167.500000	36.77	74.00	37.23	150.0	V	0.0	5.68

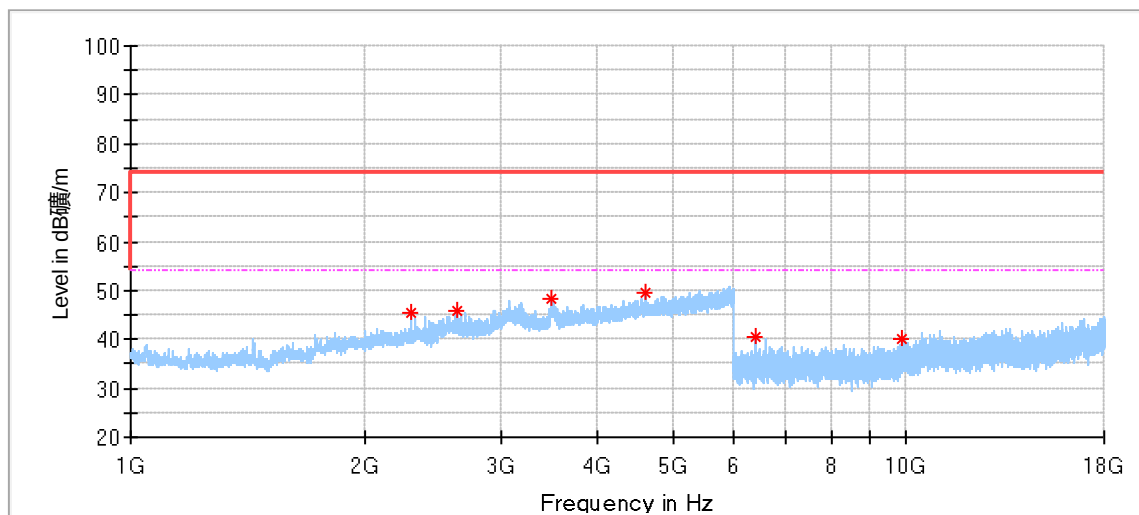
802.11n20-2462MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1443.000000	39.16	74.00	34.84	150.0	H	216.0	-8.90
1592.500000	41.63	74.00	32.37	150.0	H	240.0	-7.31
2292.500000	43.63	74.00	30.37	150.0	H	264.0	-3.57
3075.500000	47.51	74.00	26.49	150.0	H	96.0	1.35
4396.000000	48.38	74.00	25.62	150.0	H	84.0	2.97
5913.500000	50.55	74.00	23.45	150.0	H	144.0	6.87

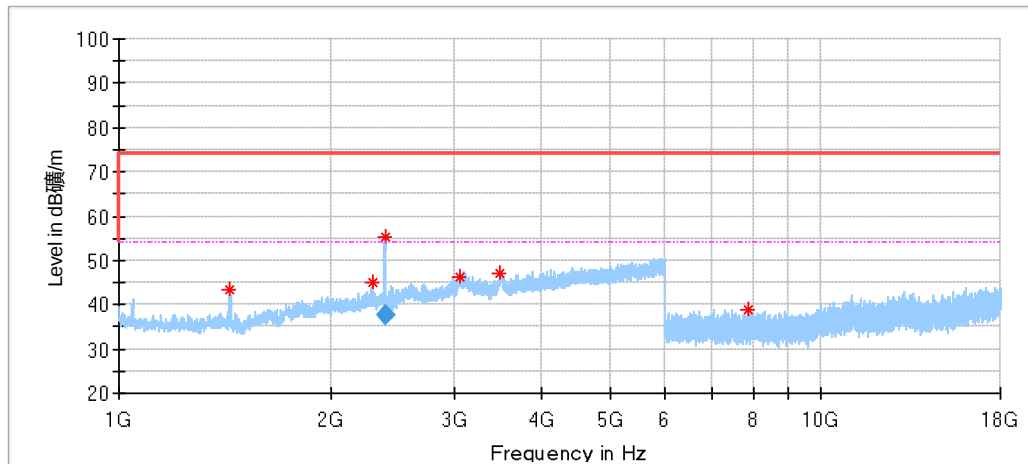
802.11n20-2462MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2294.500000	45.40	74.00	28.60	150.0	V	290.0	-3.56
2637.000000	45.68	74.00	28.32	150.0	V	255.0	-1.60
3491.000000	48.28	74.00	25.72	150.0	V	302.0	3.11
4609.000000	49.71	74.00	24.29	150.0	V	314.0	3.73
6377.500000	40.72	74.00	33.28	150.0	V	158.0	5.32
9849.000000	40.08	74.00	33.92	150.0	V	33.0	8.34

802.11n40-2422MHz – Horizontal



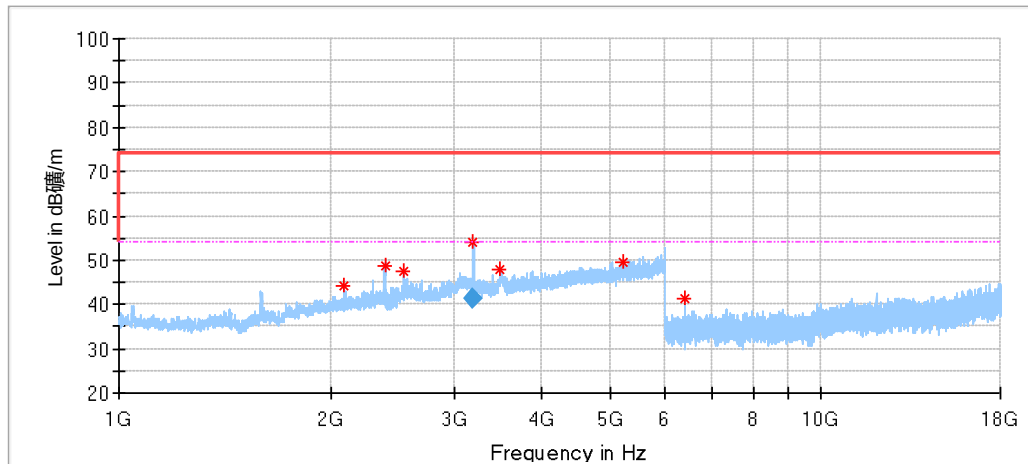
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1439.500000	43.43	74.00	30.57	150.0	H	300.0	-8.85
2294.500000	45.20	74.00	28.80	150.0	H	1.0	-3.56
2393.000000	55.28	74.00	18.72	150.0	H	24.0	-2.77
3059.500000	46.18	74.00	27.82	150.0	H	72.0	1.35
3487.500000	47.02	74.00	26.98	150.0	H	312.0	2.86
7871.000000	38.93	74.00	35.07	150.0	H	273.0	6.38

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2393.000000	37.54	54.00	16.46	150.0	H	24.0	-2.77

802.11n40-2422MHz – Vertical



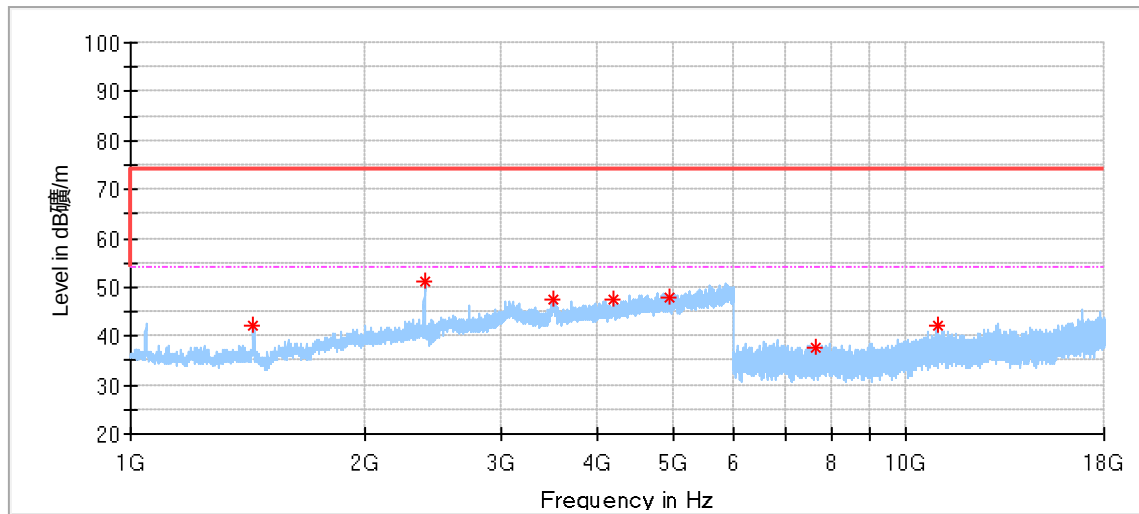
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2093.000000	44.29	74.00	29.71	150.0	V	60.0	-4.47
2392.500000	48.70	74.00	25.30	150.0	V	264.0	-2.78
2550.500000	47.48	74.00	26.52	150.0	V	276.0	-1.63
3198.500000	53.97	74.00	20.03	150.0	V	252.0	0.37
3495.500000	47.94	74.00	26.06	150.0	V	24.0	3.44
5210.000000	49.46	74.00	24.54	150.0	V	5.0	4.97
6379.000000	41.36	74.00	32.64	150.0	V	204.0	5.33

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3198.500000	41.21	54.00	12.79	150.0	V	252.0	0.37

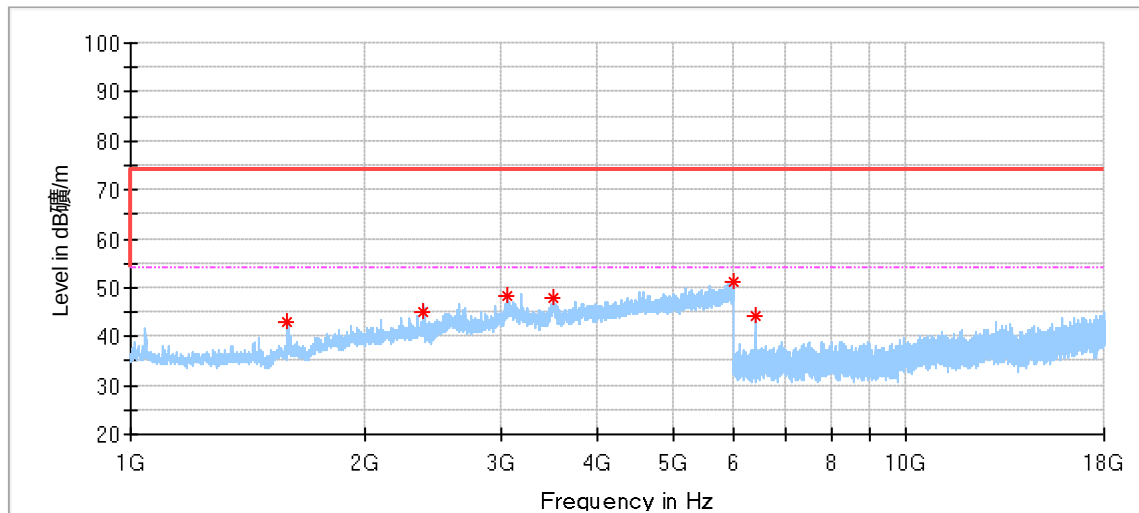
802.11n40-2437MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1439.500000	42.11	74.00	31.89	150.0	H	216.0	-8.85
2392.500000	51.06	74.00	22.94	150.0	H	347.0	-2.78
3498.500000	47.38	74.00	26.62	150.0	H	240.0	3.65
4187.500000	47.37	74.00	26.63	150.0	H	36.0	2.05
4956.500000	47.83	74.00	26.17	150.0	H	144.0	4.09
7666.000000	37.56	74.00	36.44	150.0	H	29.0	6.23
10989.500000	41.97	74.00	32.03	150.0	H	154.0	9.97

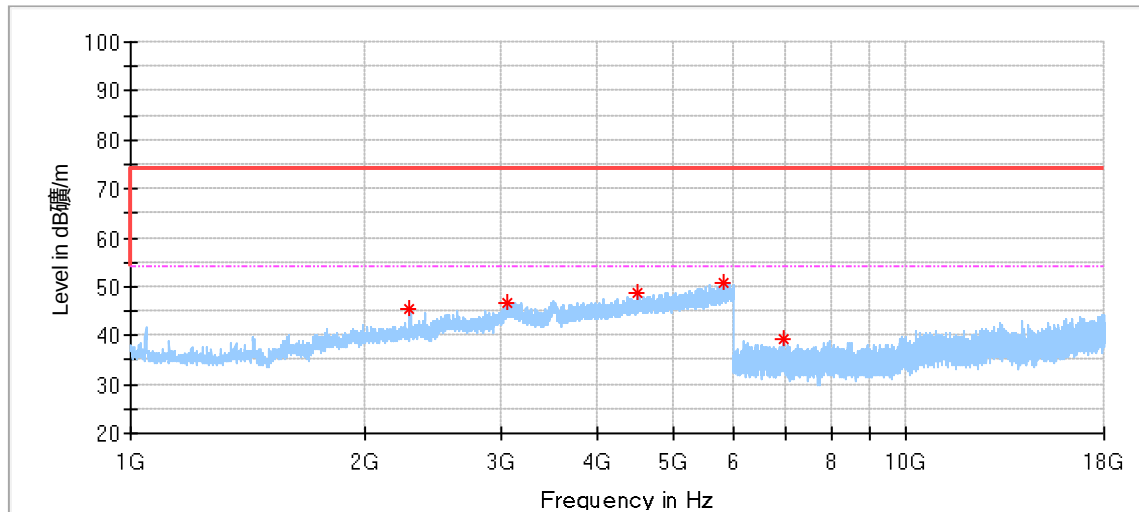
802.11n40-2437MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1594.000000	43.14	74.00	30.86	150.0	V	312.0	-7.29
2388.500000	45.03	74.00	28.97	150.0	V	324.0	-2.82
3062.500000	48.19	74.00	25.81	150.0	V	356.0	1.35
3509.000000	47.82	74.00	26.18	150.0	V	273.0	3.25
6000.000000	51.20	74.00	22.80	150.0	V	55.0	6.95
6397.500000	44.29	74.00	29.71	150.0	V	202.0	5.34

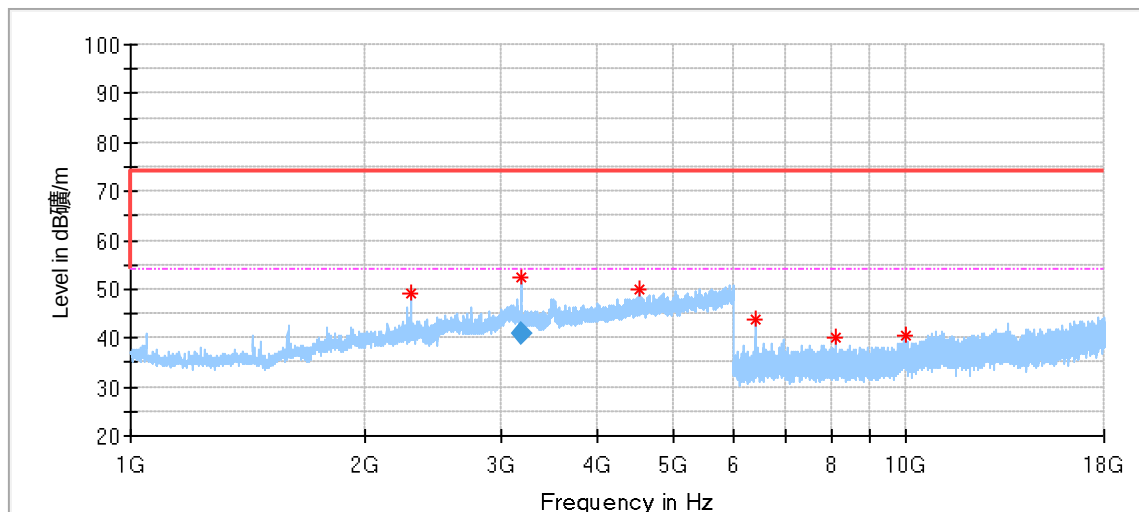
802.11n40-2452MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2291.500000	45.25	74.00	28.75	150.0	H	273.0	-3.57
3061.500000	46.77	74.00	27.23	150.0	H	297.0	1.35
4506.500000	48.53	74.00	25.47	150.0	H	201.0	3.34
5808.000000	50.70	74.00	23.30	150.0	H	22.0	6.34
6939.500000	39.31	74.00	34.69	150.0	H	130.0	5.67

802.11n40-2452MHz – Vertical



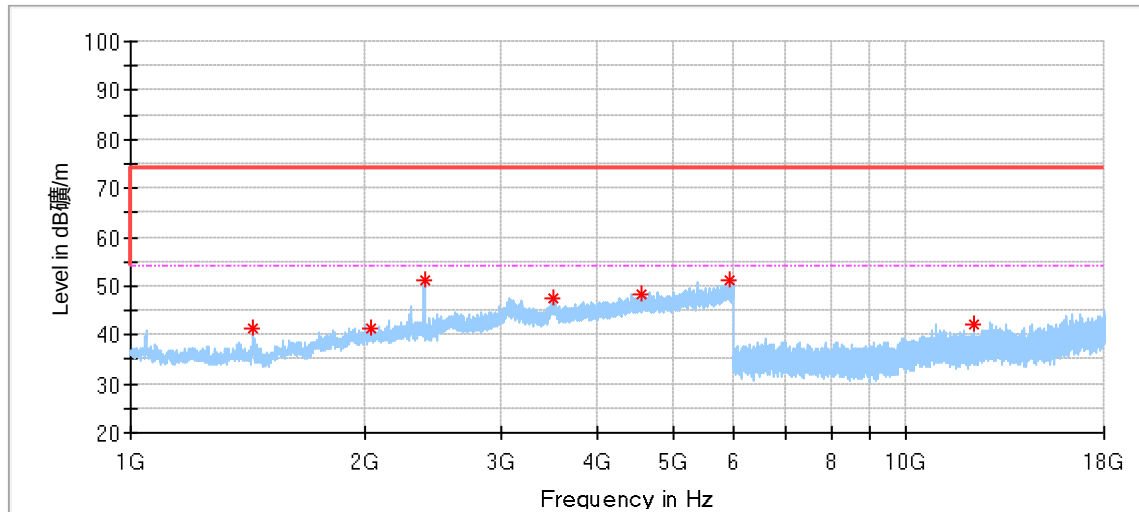
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2295.500000	48.95	74.00	25.05	150.0	V	252.0	-3.55
3192.000000	52.22	74.00	21.78	150.0	V	240.0	0.41
4531.000000	49.78	74.00	24.22	150.0	V	13.0	3.46
6377.500000	43.85	74.00	30.15	150.0	V	203.0	5.32
8092.000000	40.01	74.00	33.99	150.0	V	4.0	6.57
9981.000000	40.44	74.00	33.56	150.0	V	301.0	8.59

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3192.000000	41.03	54.00	12.97	150.0	V	240.0	0.41

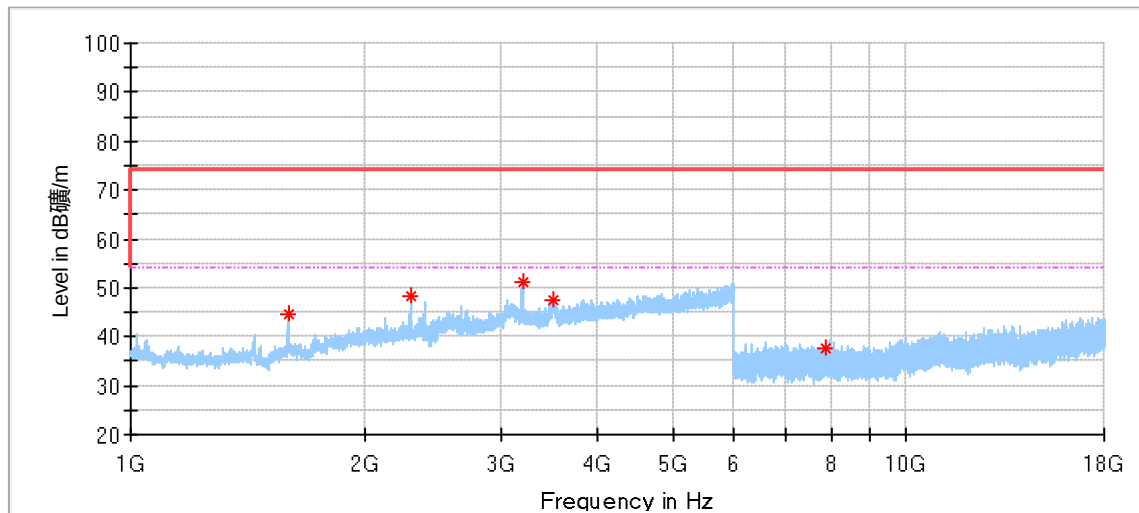
802.11AX20-2412MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1437.500000	41.52	74.00	32.48	150.0	H	267.0	-8.82
2042.500000	41.31	74.00	32.69	150.0	H	180.0	-4.44
2393.000000	51.08	74.00	22.92	150.0	H	349.0	-2.77
3507.000000	47.54	74.00	26.46	150.0	H	60.0	3.37
4558.000000	48.20	74.00	25.80	150.0	H	279.0	3.64
5915.000000	51.29	74.00	22.71	150.0	H	0.0	6.87
12204.000000	42.21	74.00	31.79	150.0	H	35.0	10.99

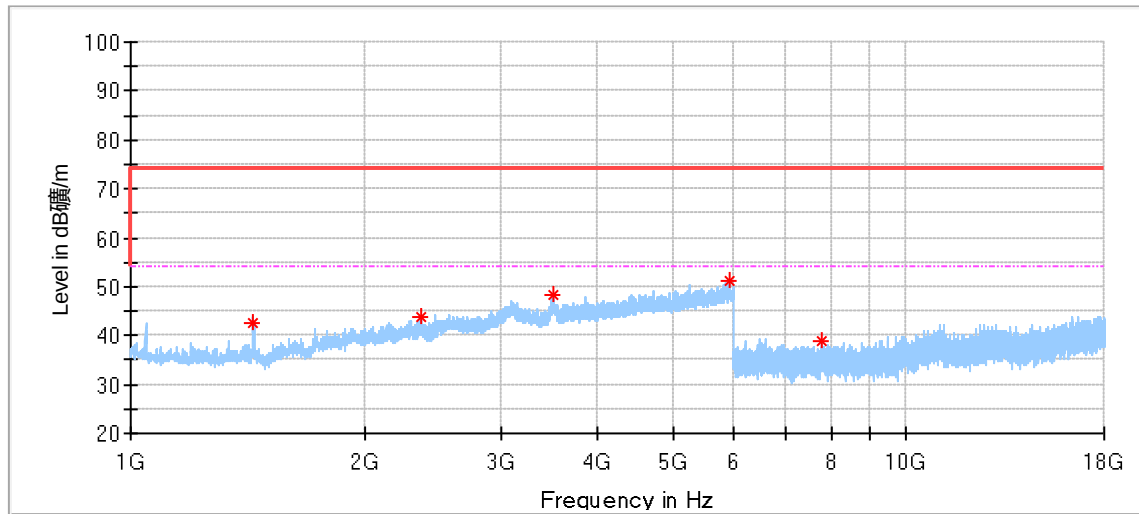
802.11AX20-2412MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1595.500000	44.75	74.00	29.25	150.0	V	300.0	-7.27
2294.500000	48.24	74.00	25.76	150.0	V	252.0	-3.56
3199.500000	51.35	74.00	22.65	150.0	V	105.0	0.37
3512.500000	47.63	74.00	26.37	150.0	V	4.0	3.05
7873.500000	37.80	74.00	36.20	150.0	V	179.0	6.38

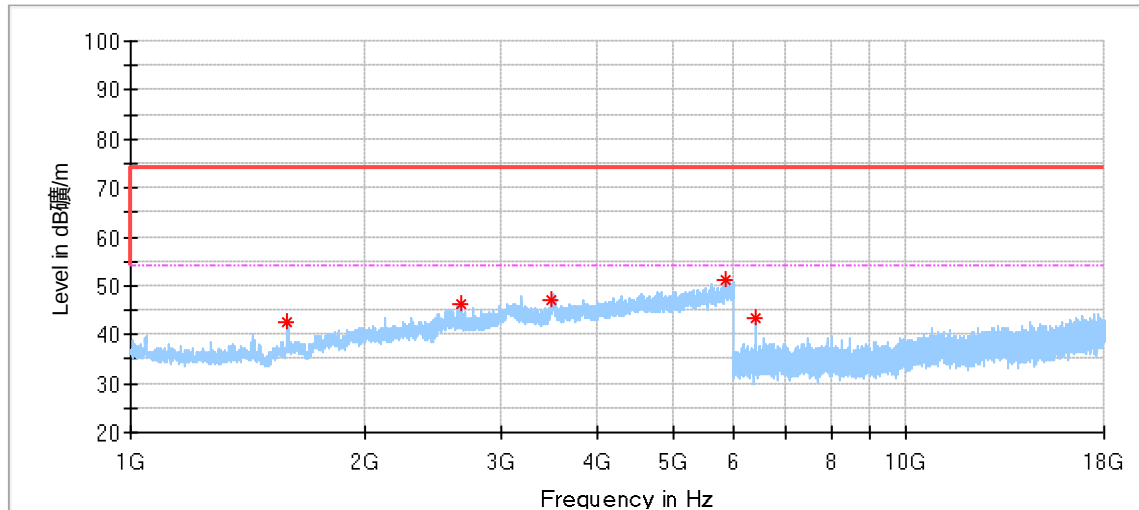
802.11AX20-2437MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1441.500000	42.56	74.00	31.44	150.0	H	300.0	-8.88
2365.500000	43.86	74.00	30.14	150.0	H	356.0	-3.03
3503.500000	48.25	74.00	25.75	150.0	H	117.0	3.57
5924.000000	51.08	74.00	22.92	150.0	H	141.0	6.87
7803.000000	39.05	74.00	34.95	150.0	H	349.0	6.35

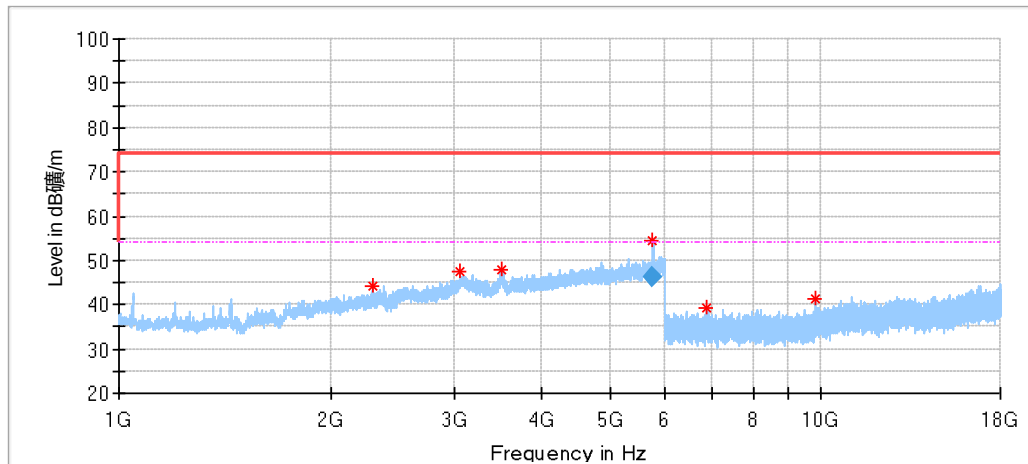
802.11AX20-2437MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1592.500000	42.53	74.00	31.47	150.0	V	264.0	-7.31
2673.500000	46.20	74.00	27.80	150.0	V	336.0	-1.92
3486.000000	47.18	74.00	26.82	150.0	V	168.0	2.76
5860.500000	51.10	74.00	22.90	150.0	V	108.0	6.74
6377.500000	43.52	74.00	30.48	150.0	V	351.0	5.32

802.11AX20-2462MHz – Horizontal



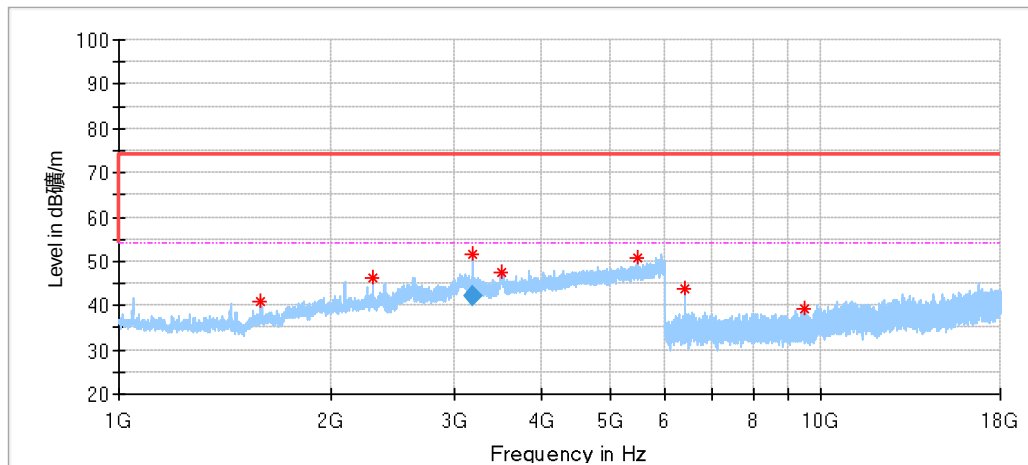
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2293.500000	44.30	74.00	29.70	150.0	H	2.0	-3.56
3066.500000	47.47	74.00	26.53	150.0	H	306.0	1.35
3513.000000	47.81	74.00	26.19	150.0	H	174.0	3.02
5762.500000	54.65	74.00	19.35	150.0	H	306.0	5.99
6879.000000	39.32	74.00	34.68	150.0	H	259.0	5.68
9824.000000	41.34	74.00	32.66	150.0	H	58.0	8.27

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
5762.500000	46.40	54.00	7.60	150.0	H	306.0	5.99

802.11AX20-2462MHz – Vertical



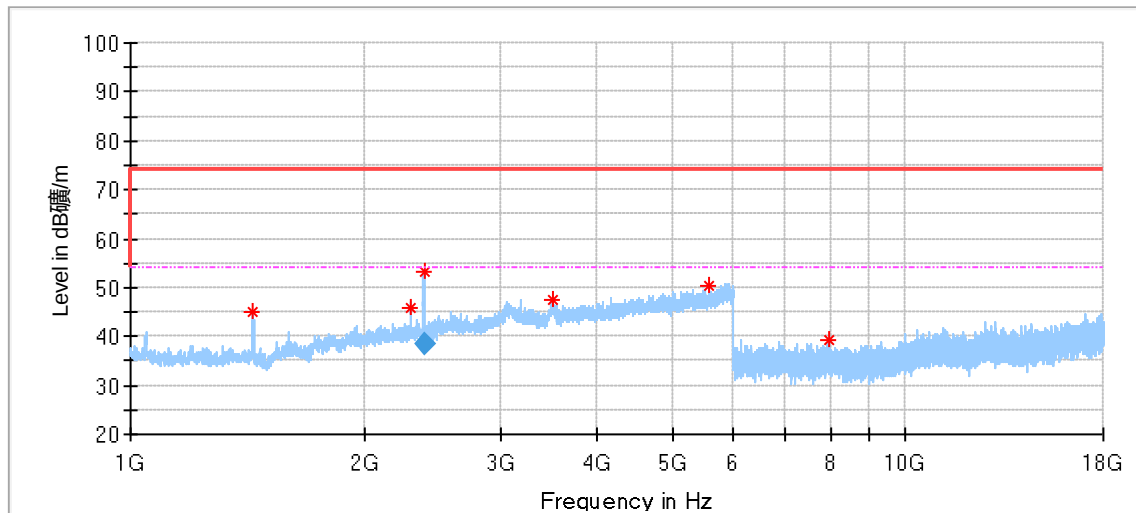
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1594.000000	40.94	74.00	33.06	150.0	V	96.0	-7.29
2295.500000	46.26	74.00	27.74	150.0	V	314.0	-3.55
3188.500000	51.72	74.00	22.28	150.0	V	243.0	0.43
3506.000000	47.39	74.00	26.61	150.0	V	4.0	3.43
5490.000000	50.60	74.00	23.40	150.0	V	349.0	5.40
6380.000000	43.62	74.00	30.38	150.0	V	356.0	5.33
9456.500000	39.28	74.00	34.72	150.0	V	181.0	7.64

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
3188.500000	42.31	54.00	11.69	150.0	V	243.0	0.43

802.11AX40-2422MHz – Horizontal



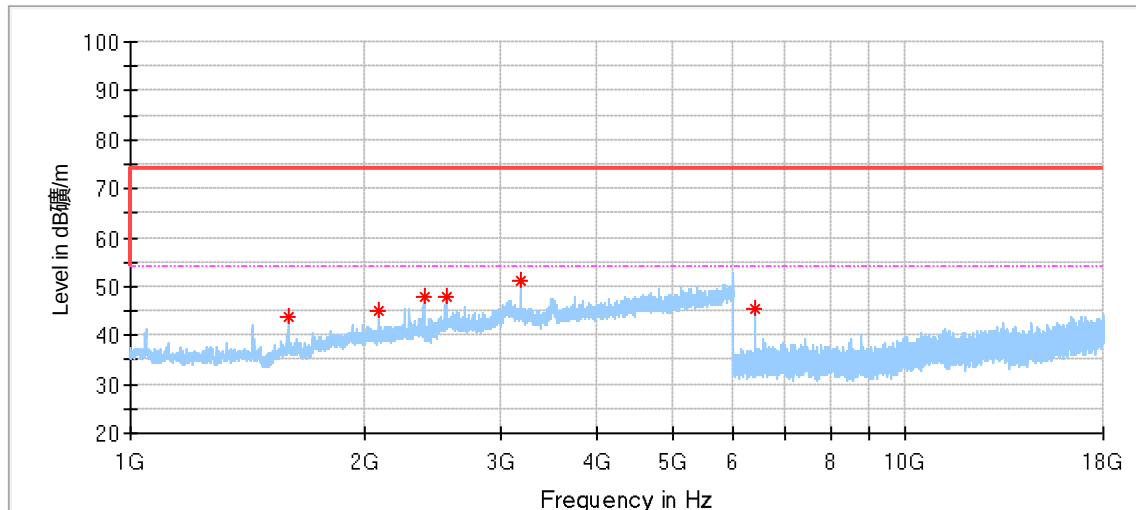
Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1439.500000	45.00	74.00	29.00	150.0	H	300.0	-8.85
2294.000000	46.02	74.00	27.98	150.0	H	359.0	-3.56
2390.500000	53.26	74.00	20.74	150.0	H	347.0	-2.80
3497.500000	47.49	74.00	26.51	150.0	H	228.0	3.58
5574.500000	50.54	74.00	23.46	150.0	H	324.0	5.59
7972.000000	39.41	74.00	34.59	150.0	H	304.0	6.60

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.500000	38.60	54.00	15.40	150.0	H	347.0	-2.80

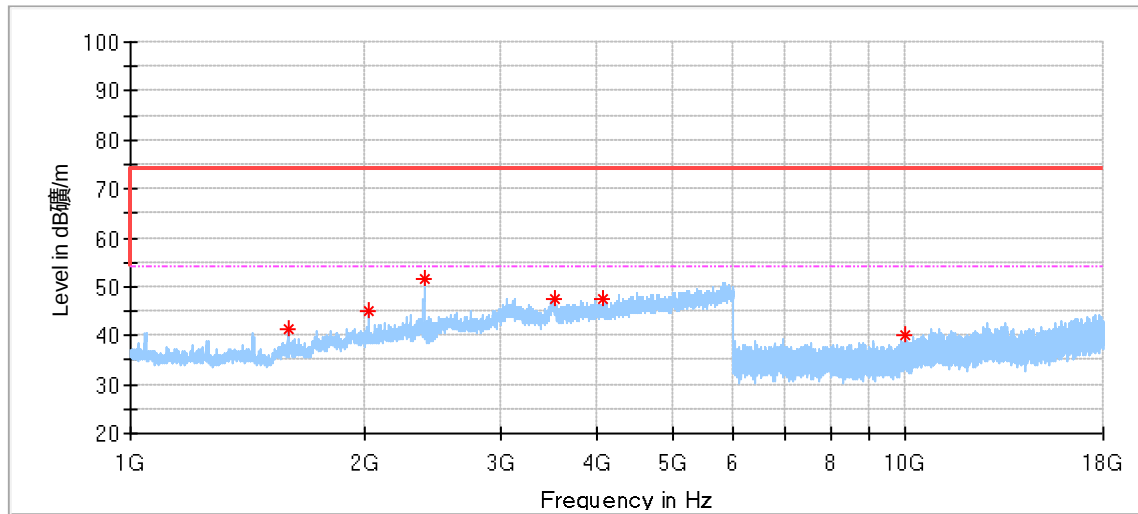
802.11AX40-2422MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1598.000000	43.78	74.00	30.22	150.0	V	84.0	-7.23
2092.000000	44.96	74.00	29.04	150.0	V	264.0	-4.47
2390.500000	47.78	74.00	26.22	150.0	V	228.0	-2.80
2552.000000	47.80	74.00	26.20	150.0	V	264.0	-1.62
3188.000000	51.16	74.00	22.84	150.0	V	252.0	0.43
6392.500000	45.42	74.00	28.58	150.0	V	0.0	5.34

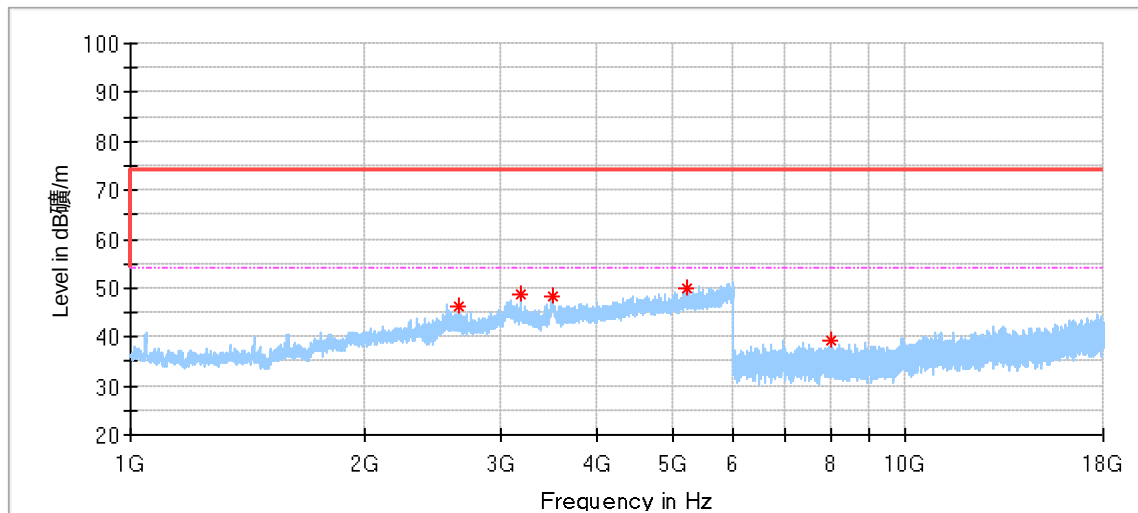
802.11AX40-2437MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1599.500000	41.32	74.00	32.68	150.0	H	240.0	-7.20
2026.500000	45.20	74.00	28.80	150.0	H	228.0	-4.42
2393.500000	51.44	74.00	22.56	150.0	H	347.0	-2.77
3529.500000	47.29	74.00	26.71	150.0	H	156.0	2.07
4079.500000	47.59	74.00	26.41	150.0	H	300.0	1.86
9962.000000	40.18	74.00	33.82	150.0	H	31.0	8.52

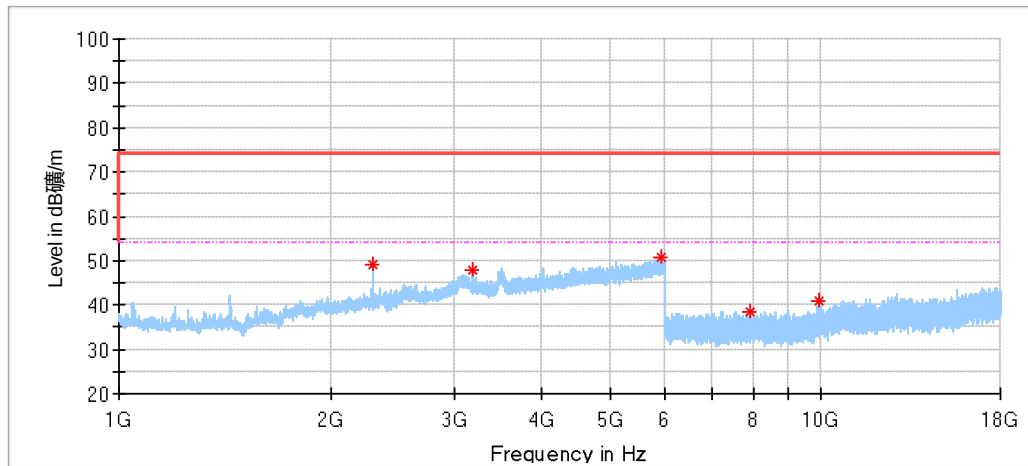
802.11AX40-2437MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2649.500000	46.38	74.00	27.62	150.0	V	326.0	-1.77
3188.500000	48.74	74.00	25.26	150.0	V	231.0	0.43
3501.500000	48.13	74.00	25.87	150.0	V	356.0	3.68
5213.500000	50.01	74.00	23.99	150.0	V	111.0	4.99
8013.000000	39.36	74.00	34.64	150.0	V	0.0	6.71

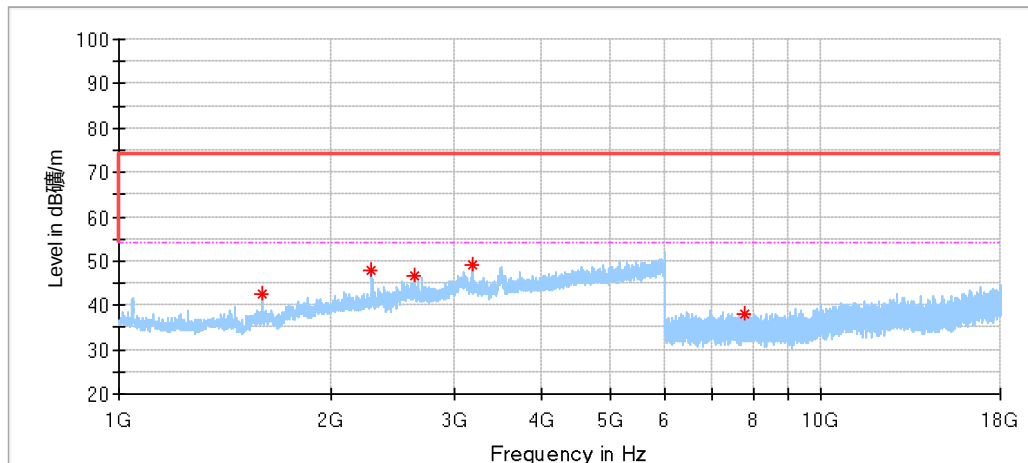
802.11AX40-2452MHz – Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2297.000000	49.17	74.00	24.83	150.0	H	264.0	-3.55
3193.000000	47.86	74.00	26.14	150.0	H	312.0	0.40
5925.500000	50.93	74.00	23.07	150.0	H	36.0	6.87
7929.500000	38.59	74.00	35.41	150.0	H	8.0	6.42
9903.500000	41.12	74.00	32.88	150.0	H	0.0	8.41

802.11AX40-2452MHz – Vertical



Critical_Freqs

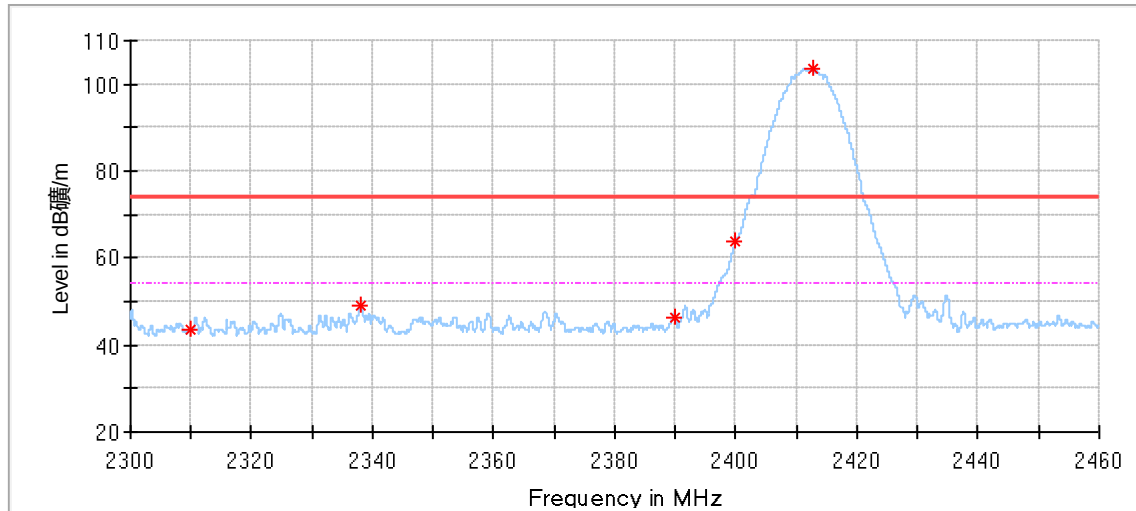
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1596.000000	42.48	74.00	31.52	150.0	V	108.0	-7.26
2292.500000	47.73	74.00	26.27	150.0	V	252.0	-3.57
2636.000000	46.50	74.00	27.50	150.0	V	324.0	-1.59
3192.000000	48.95	74.00	25.05	150.0	V	240.0	0.41
7776.500000	38.15	74.00	35.85	150.0	V	108.0	6.33

Remark:

- (1) “*” means the emission(s) appear within the restrict bands shall follow the requirement of § 15.205.
- (2) Data of measurement within frequency ranges 9kHz-30MHz and 18-26GHz are the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report,
- (3) Level= Reading Level + Correction Factor
- (4) 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)

Emissions at Restricted Band:

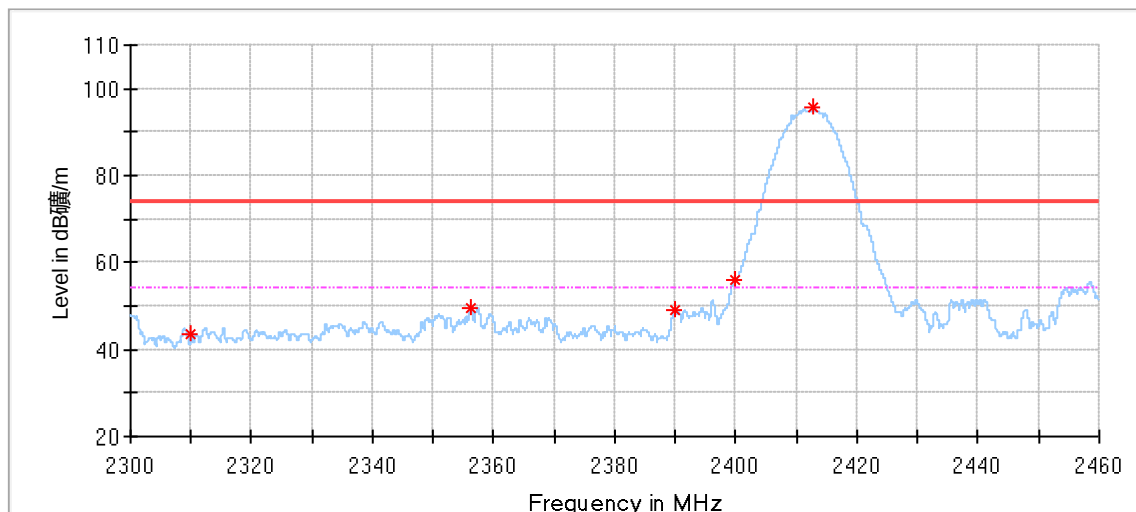
802.11b-2412MHz - Horizontal



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	43.34	74.00	30.66	150.0	H	0.0	-4.05
2337.936000	48.93	74.00	25.07	150.0	H	356.0	-3.91
2390.000000	46.52	74.00	27.48	150.0	H	73.0	-3.36
2400.000000	63.74	74.00	10.26	150.0	H	53.0	-3.32
2412.880000	103.61	74.00	-29.61	150.0	H	53.0	-3.18

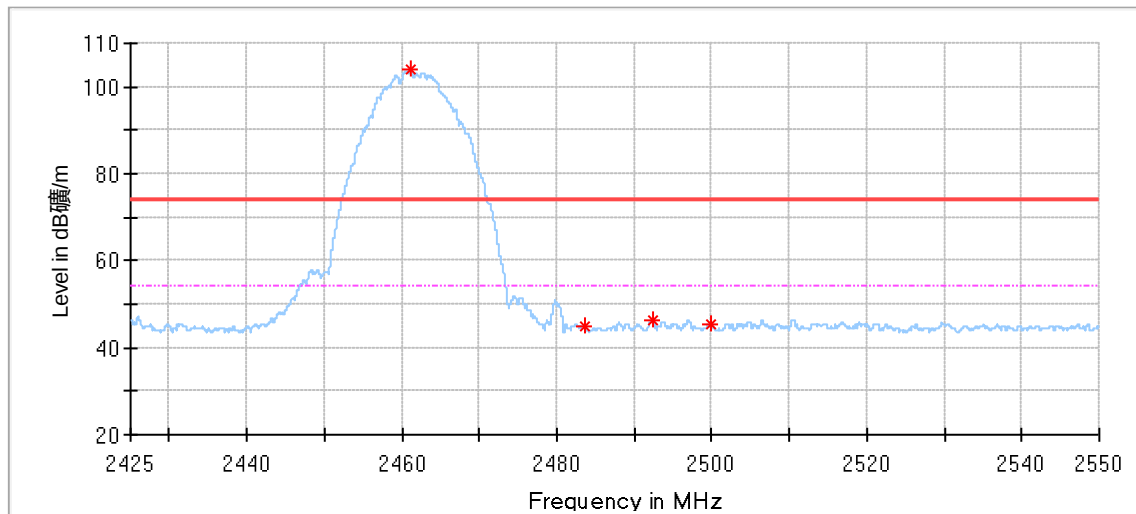
802.11b-2412MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	43.73	74.00	30.27	150.0	V	340.0	-4.05
2356.208000	49.37	74.00	24.63	150.0	V	329.0	-3.73
2390.000000	48.97	74.00	25.03	150.0	V	349.0	-3.36
2400.000000	56.07	74.00	17.93	150.0	V	290.0	-3.32
2412.880000	95.53	74.00	-21.53	150.0	V	309.0	-3.18

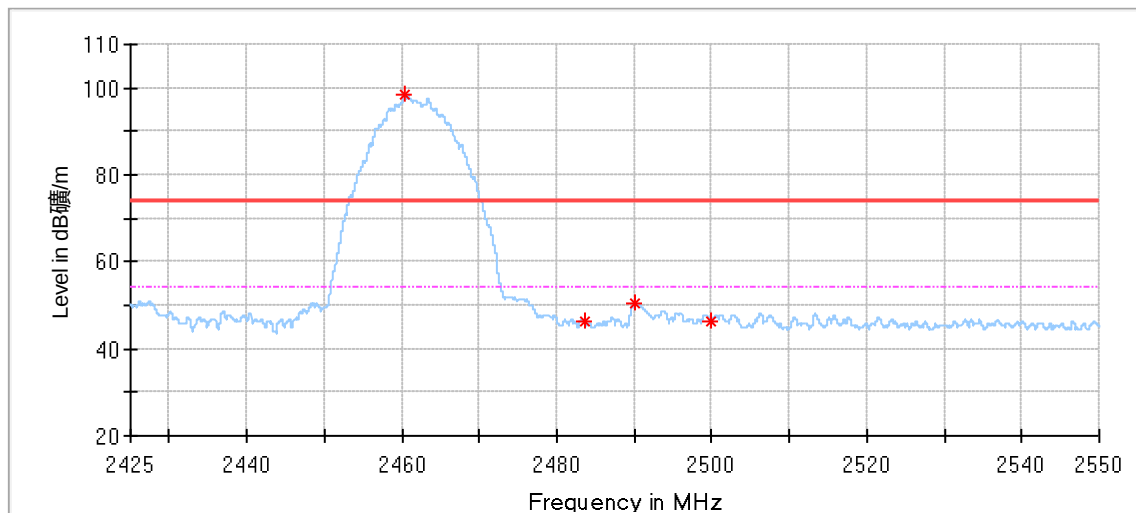
802.11b-2462MHz - Horizontal



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2461.112500	104.20	74.00	-30.20	150.0	H	75.0	-2.77
2483.500000	44.84	74.00	29.16	150.0	H	219.0	-2.68
2492.437500	46.15	74.00	27.85	150.0	H	354.0	-2.66
2500.000000	45.32	74.00	28.68	150.0	H	64.0	-2.64

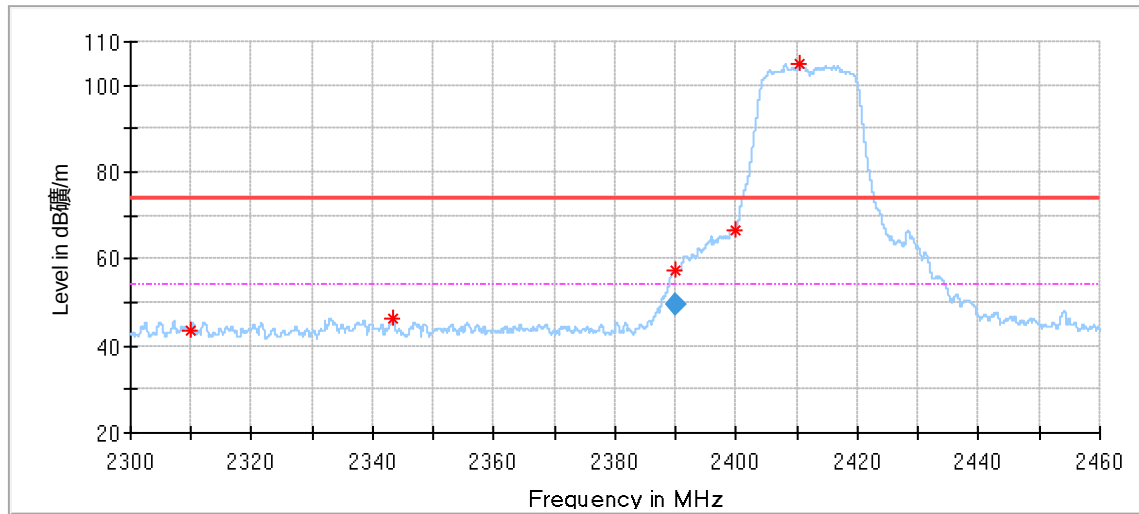
802.11b-2462MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2460.350000	98.34	74.00	-24.34	150.0	V	285.0	-2.77
2483.500000	46.11	74.00	27.89	150.0	V	348.0	-2.68
2490.075000	50.61	74.00	23.39	150.0	V	356.0	-2.66
2500.000000	46.30	74.00	27.70	150.0	V	356.0	-2.64

802.11g-2412MHz – Horizontal



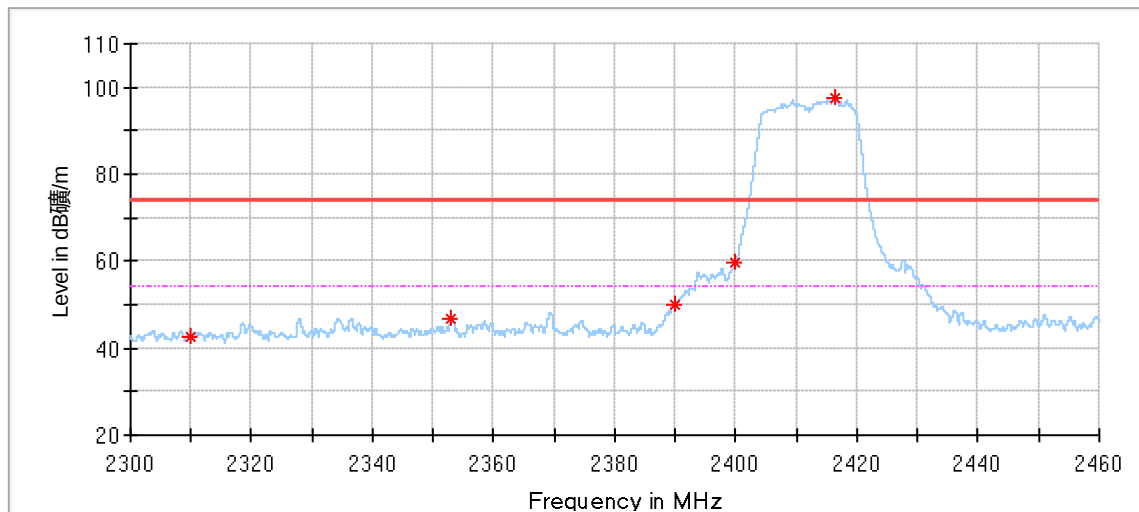
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	43.49	74.00	30.51	150.0	H	349.0	-4.05
2343.200000	46.19	74.00	27.81	150.0	H	356.0	-3.87
2390.000000	57.40	74.00	16.60	150.0	H	52.0	-3.36
2400.000000	66.73	74.00	7.27	150.0	H	52.0	-3.32
2410.320000	104.86	74.00	-30.86	150.0	H	52.0	-3.21

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	49.75	54.00	4.25	150.0	H	52.0	-3.36

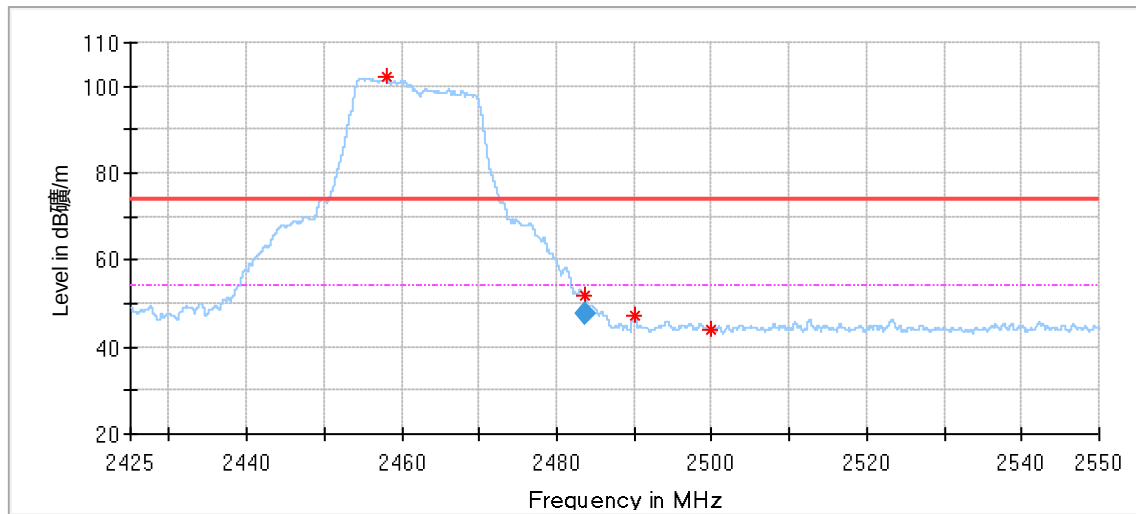
802.11g-2412MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	42.44	74.00	31.56	150.0	V	165.0	-4.05
2352.928000	46.61	74.00	27.39	150.0	V	42.0	-3.78
2390.000000	50.23	74.00	23.77	150.0	V	277.0	-3.36
2400.000000	59.57	74.00	14.43	150.0	V	52.0	-3.32
2416.480000	97.55	74.00	-23.55	150.0	V	295.0	-3.14

802.11g-2462MHz – Horizontal



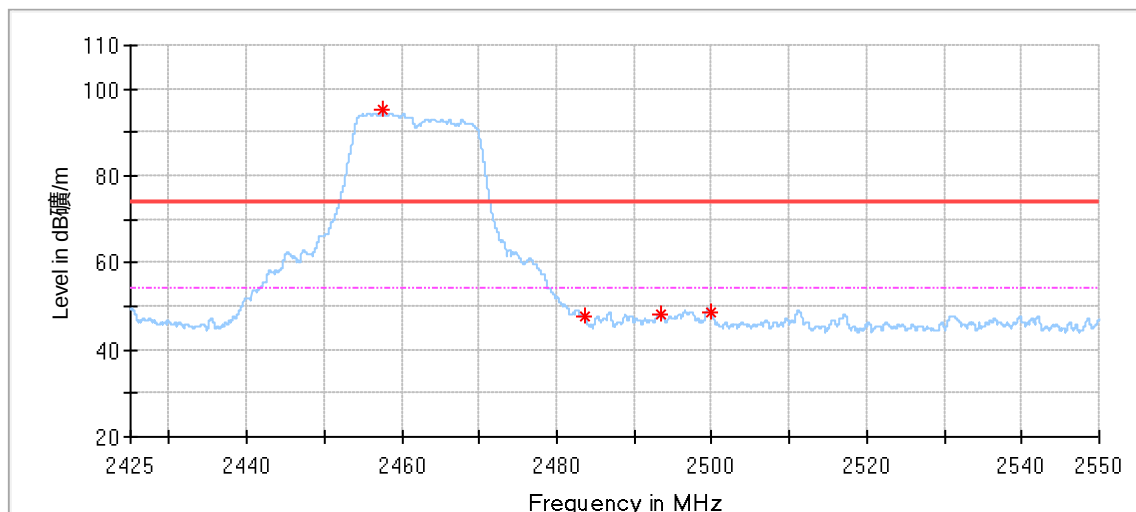
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2458.087500	102.19	74.00	-28.19	150.0	H	72.0	-2.78
2483.500000	51.86	74.00	22.14	150.0	H	29.0	-2.68
2489.975000	47.10	74.00	26.90	150.0	H	0.0	-2.66
2500.000000	43.92	74.00	30.08	150.0	H	337.0	-2.64

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	47.62	54.00	6.38	150.0	H	29.0	-2.68

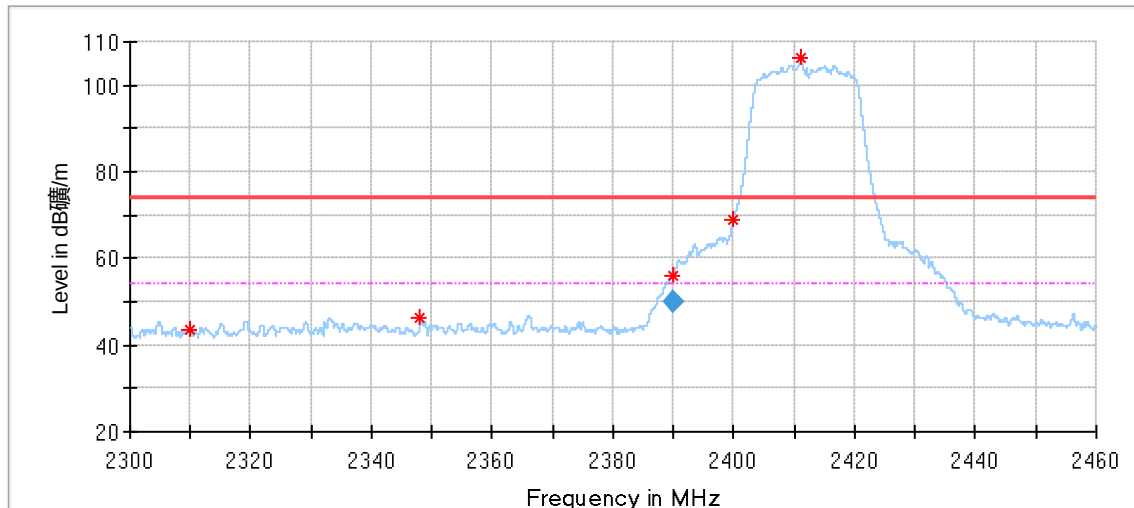
802.11g-2462MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2457.512500	95.03	74.00	-21.03	150.0	V	288.0	-2.78
2483.500000	47.82	74.00	26.18	150.0	V	356.0	-2.68
2493.362500	48.23	74.00	25.77	150.0	V	340.0	-2.66
2500.000000	48.66	74.00	25.34	150.0	V	340.0	-2.64

802.11n20-2412MHz – Horizontal



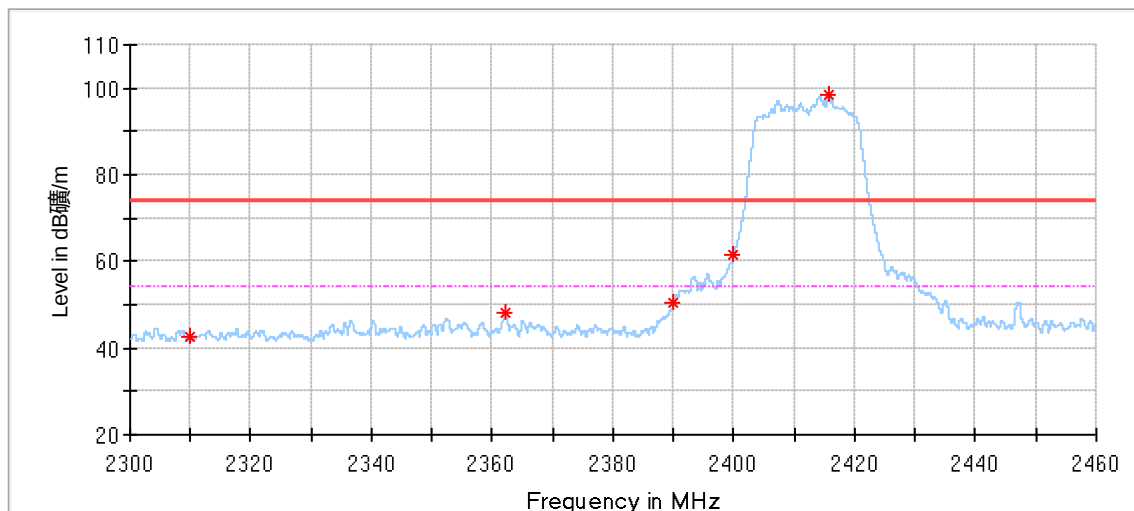
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	43.75	74.00	30.25	150.0	H	0.0	-4.05
2348.000000	46.50	74.00	27.50	150.0	H	0.0	-3.83
2390.000000	56.06	74.00	17.94	150.0	H	356.0	-3.36
2400.000000	69.07	74.00	4.93	150.0	H	356.0	-3.32
2411.104000	106.33	74.00	-32.33	150.0	H	53.0	-3.20

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	50.23	54.00	3.77	150.0	H	356.0	-3.36

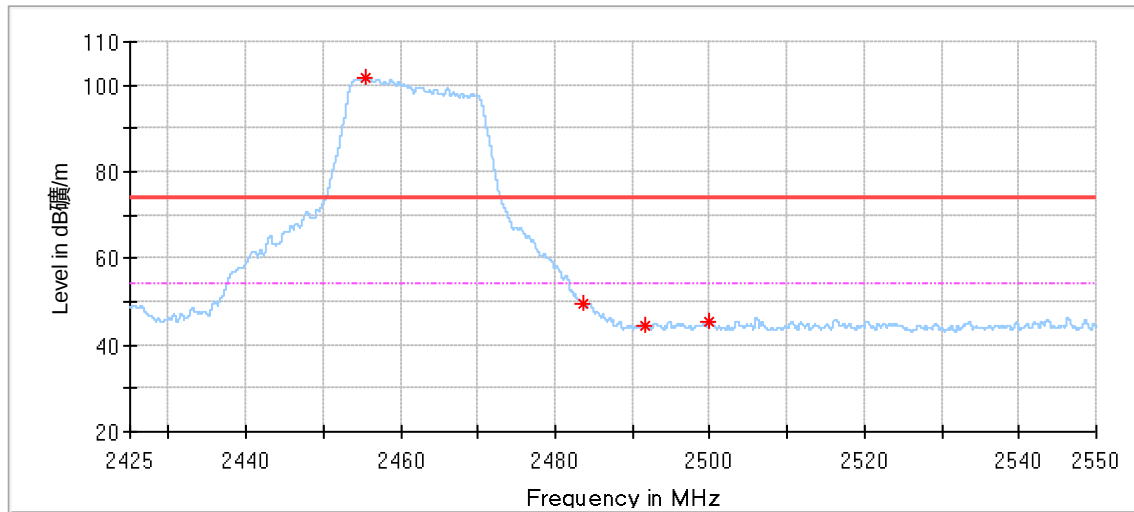
802.11n20-2412MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	42.40	74.00	31.60	150.0	V	147.0	-4.05
2362.256000	47.93	74.00	26.07	150.0	V	33.0	-3.63
2390.000000	50.54	74.00	23.46	150.0	V	287.0	-3.36
2400.000000	61.32	74.00	12.68	150.0	V	65.0	-3.32
2415.744000	98.56	74.00	-24.56	150.0	V	212.0	-3.15

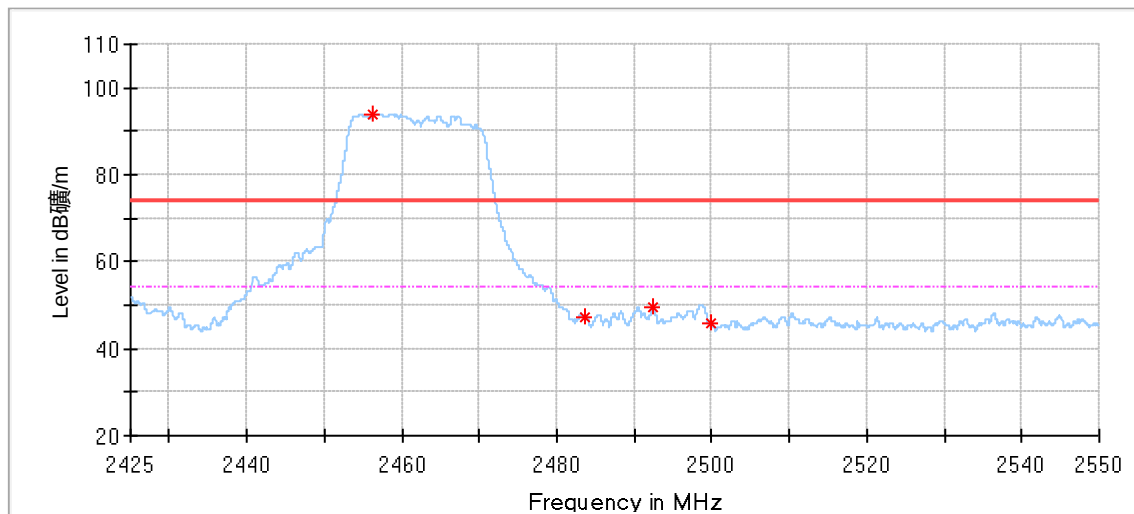
802.11n20-2462MHz – Horizontal



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2455.500000	101.71	74.00	-27.71	150.0	H	72.0	-2.80
2483.500000	49.65	74.00	24.35	150.0	H	94.0	-2.68
2491.712500	44.68	74.00	29.32	150.0	H	0.0	-2.66
2500.000000	45.44	74.00	28.56	150.0	H	115.0	-2.64

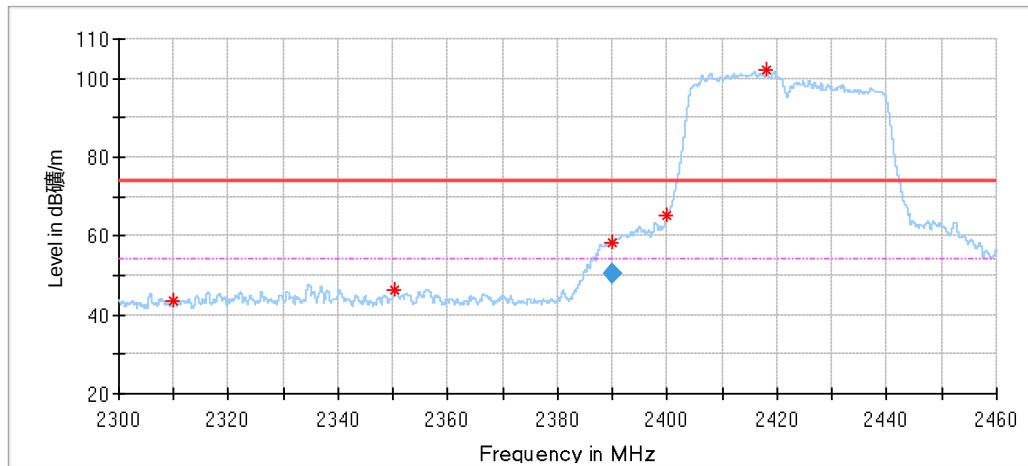
802.11n20-2462MHz – Vertical



Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2456.237500	94.02	74.00	-20.02	150.0	V	288.0	-2.79
2483.500000	47.23	74.00	26.77	150.0	V	42.0	-2.68
2492.337500	49.45	74.00	24.55	150.0	V	352.0	-2.66
2500.000000	45.91	74.00	28.09	150.0	V	343.0	-2.64

802.11n40-2422MHz – Horizontal



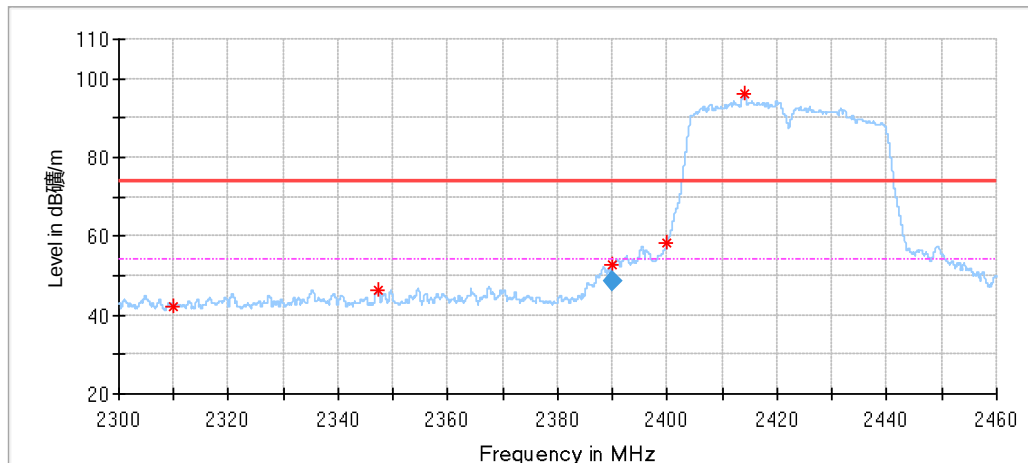
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	43.69	74.00	30.31	150.0	H	294.0	-4.05
2350.240000	46.41	74.00	27.59	150.0	H	356.0	-3.81
2390.000000	58.47	74.00	15.53	150.0	H	58.0	-3.36
2400.000000	65.28	74.00	8.72	150.0	H	58.0	-3.32
2417.952000	102.12	74.00	-28.12	150.0	H	356.0	-3.13

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	50.59	54.00	3.41	150.0	H	58.0	-3.36

802.11n40-2422MHz – Vertical



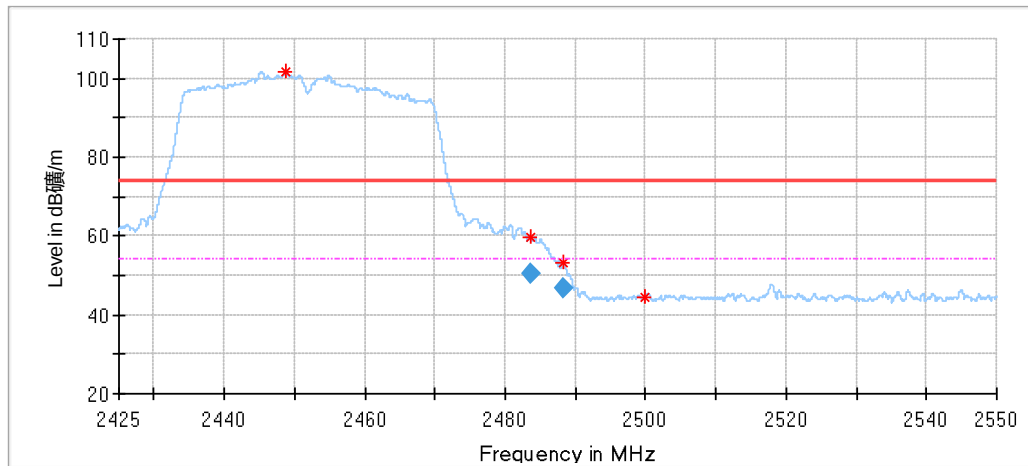
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2310.000000	41.94	74.00	32.06	150.0	V	97.0	-4.05
2347.264000	46.45	74.00	27.55	150.0	V	42.0	-3.83
2390.000000	52.93	74.00	21.07	150.0	V	287.0	-3.36
2400.000000	58.29	74.00	15.71	150.0	V	287.0	-3.32
2413.904000	96.34	74.00	-22.34	150.0	V	209.0	-3.17

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.000000	48.63	54.00	5.37	150.0	V	287.0	-3.36

802.11n40-2452MHz – Horizontal



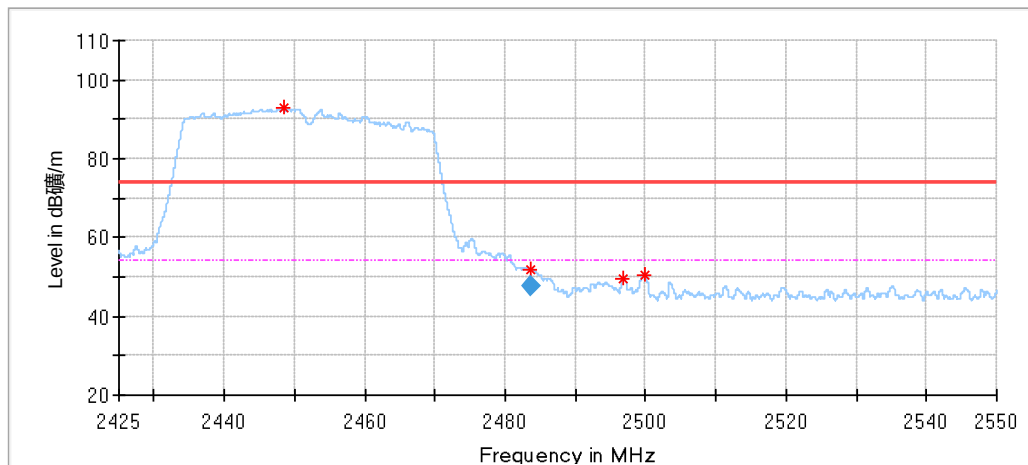
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2448.812500	101.73	74.00	-27.73	150.0	H	72.0	-2.84
2483.500000	59.77	74.00	14.23	150.0	H	27.0	-2.68
2488.325000	53.21	74.00	20.79	150.0	H	72.0	-2.67
2500.000000	44.55	74.00	29.45	150.0	H	6.0	-2.64

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	50.64	54.00	3.36	150.0	H	27.0	-2.68
2488.325000	46.81	54.00	7.19	150.0	H	72.0	-2.67

802.11n40-2452MHz – Vertical



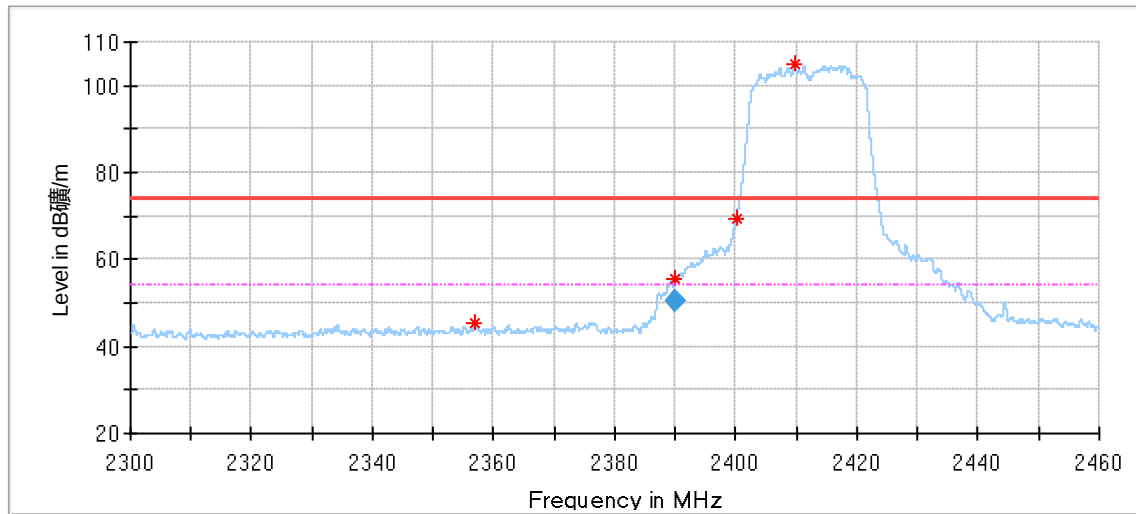
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2448.400000	92.93	74.00	-18.93	150.0	V	273.0	-2.84
2483.500000	51.92	74.00	22.08	150.0	V	351.0	-2.68
2496.800000	49.52	74.00	24.48	150.0	V	43.0	-2.65
2500.000000	50.52	74.00	23.48	150.0	V	43.0	-2.64

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.500000	47.82	54.00	6.18	150.0	V	351.0	-2.68

802.11AX20-2412MHz – Horizontal



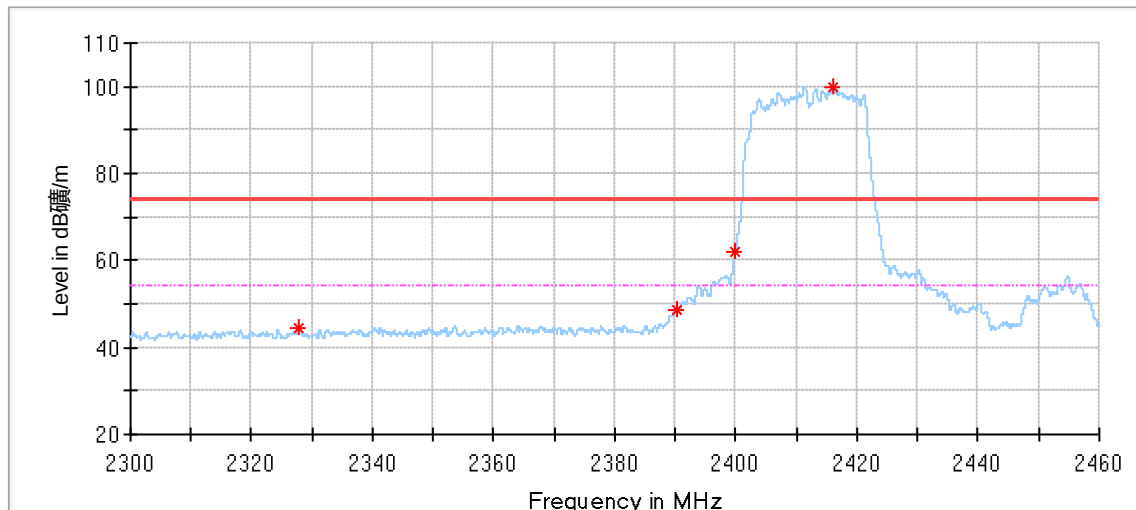
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2356.864000	45.34	74.00	28.66	150.0	H	46.0	-3.72
2390.080000	55.54	74.00	18.46	150.0	H	95.0	-3.36
2400.016000	69.16	74.00	4.84	150.0	H	84.0	-3.32
2409.648000	104.70	74.00	-30.70	150.0	H	95.0	-3.22

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.080000	50.38	54.00	3.62	150.0	H	95.0	-3.36

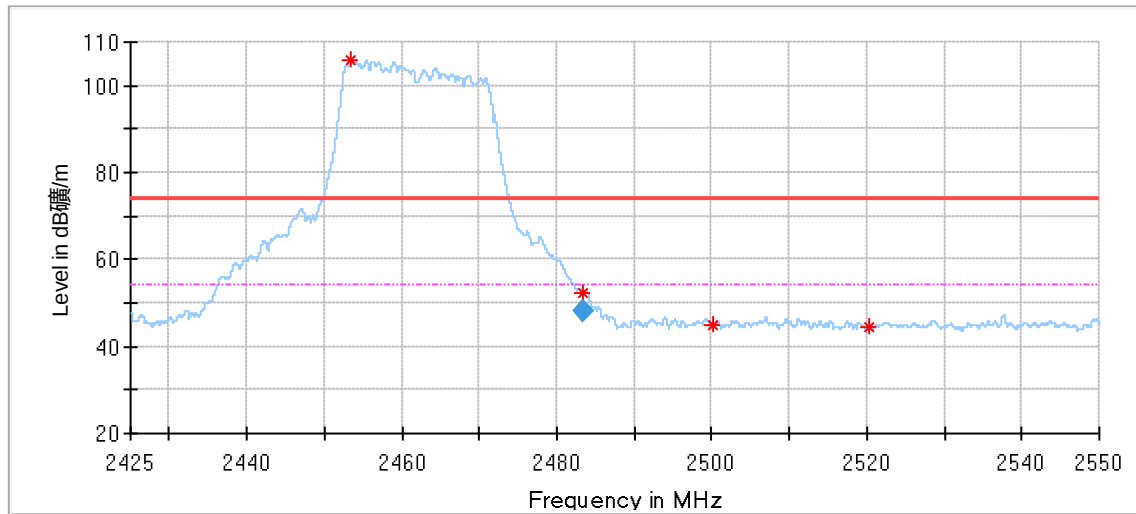
802.11AX20-2412MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2327.680000	44.56	74.00	29.44	150.0	V	209.0	-3.98
2390.272000	48.64	74.00	25.36	150.0	V	218.0	-3.36
2399.904000	62.01	74.00	11.99	150.0	V	292.0	-3.32
2415.904000	99.87	74.00	-25.87	150.0	V	73.0	-3.15

802.11AX20-2462MHz – Horizontal



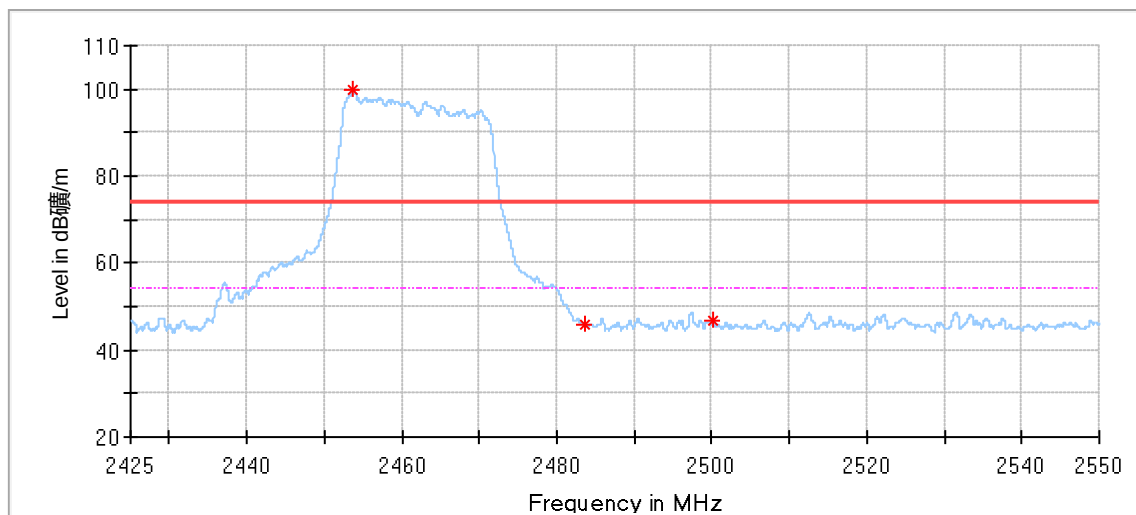
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2453.337500	106.06	74.00	-32.06	150.0	H	92.0	-2.81
2483.475000	52.45	74.00	21.55	150.0	H	82.0	-2.68
2500.137500	44.90	74.00	29.10	150.0	H	338.0	-2.64
2520.375000	44.50	74.00	29.50	150.0	H	0.0	-2.50

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.475000	48.21	54.00	5.79	150.0	H	82.0	-2.68

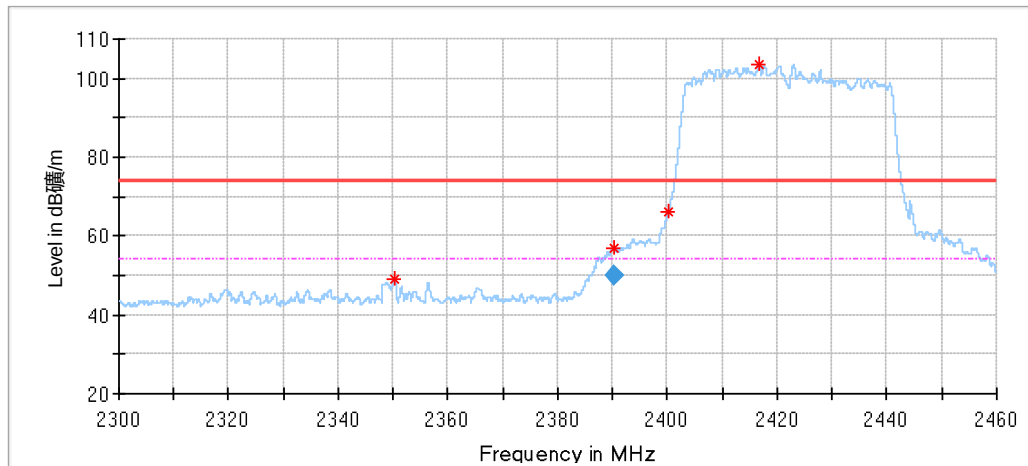
802.11AX20-2462MHz – Vertical



Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2453.775000	99.99	74.00	-25.99	150.0	V	108.0	-2.80
2483.700000	45.78	74.00	28.22	150.0	V	108.0	-2.68
2500.137500	46.87	74.00	27.13	150.0	V	256.0	-2.64

802.11AX40-2422MHz – Horizontal



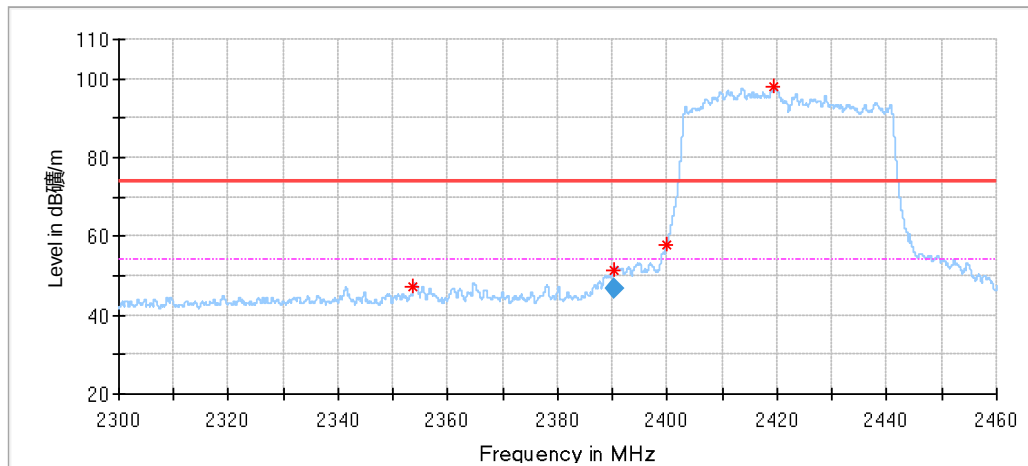
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2350.288000	49.14	74.00	24.86	150.0	H	0.0	-3.81
2390.400000	57.11	74.00	16.89	150.0	H	39.0	-3.35
2400.224000	66.29	74.00	7.71	150.0	H	81.0	-3.32
2416.576000	103.40	74.00	-29.40	150.0	H	92.0	-3.14

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.400000	50.10	54.00	3.90	150.0	H	39.0	-3.35

802.11AX40-2422MHz – Vertical



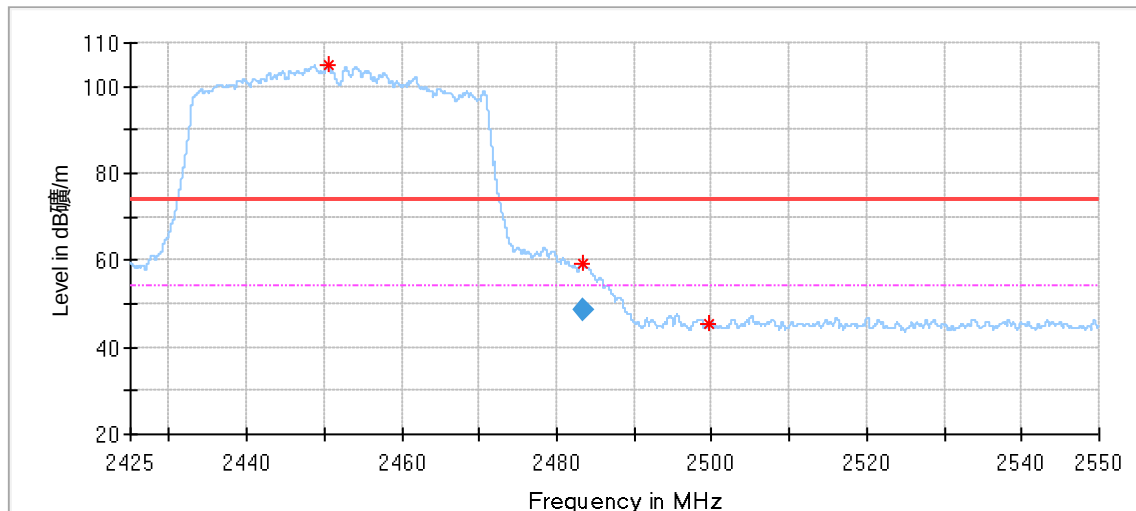
Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2353.680000	47.09	74.00	26.91	150.0	V	308.0	-3.77
2390.208000	51.53	74.00	22.47	150.0	V	318.0	-3.36
2399.840000	57.98	74.00	16.02	150.0	V	297.0	-3.32
2419.392000	97.78	74.00	-23.78	150.0	V	297.0	-3.11

Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2390.208000	46.58	7.42	22.47	150.0	V	318.0	-3.36

802.11AX40-2452MHz – Horizontal

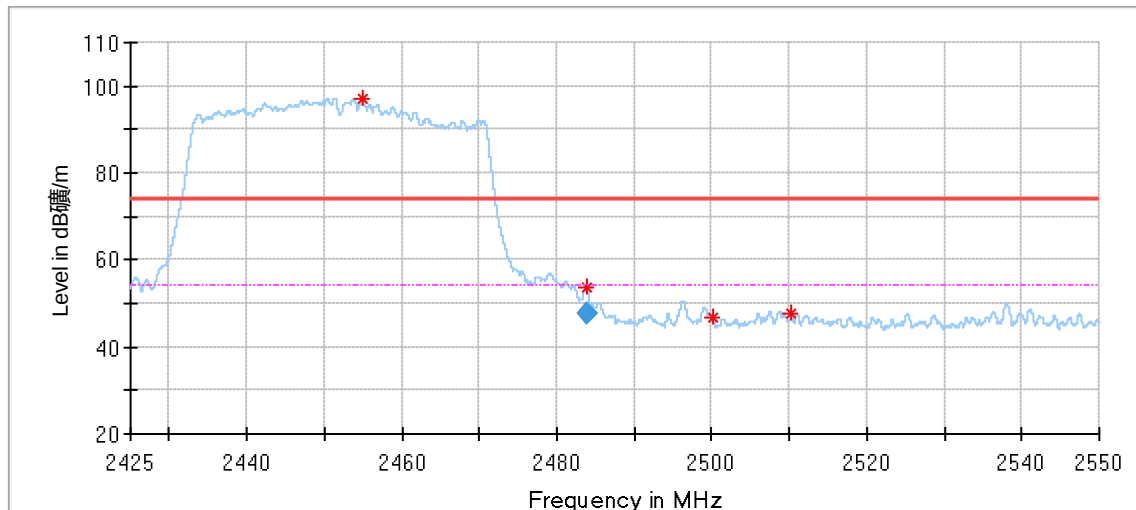
**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2450.475000	104.89	74.00	-30.89	150.0	H	76.0	-2.82
2483.400000	59.39	74.00	14.61	150.0	H	88.0	-2.68
2499.625000	45.50	74.00	28.50	150.0	H	225.0	-2.64

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.400000	48.68	54.00	5.32	150.0	H	88.0	-2.68

802.11AX40-2452MHz – Vertical

**Critical Freqs**

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2454.987500	97.29	74.00	-23.29	150.0	V	105.0	-2.80
2483.812500	53.80	74.00	20.20	150.0	V	105.0	-2.68
2500.137500	46.95	74.00	27.05	150.0	V	264.0	-2.64
2510.200000	47.76	74.00	26.24	150.0	V	317.0	-2.57

Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2483.812500	47.61	54.00	6.39	150.0	V	105.0	-2.68

10 Test Equipment List

Radiated Emission Test, SAC-3 #1

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 7	68-4-74-19-001	102176	1	2025-5-13
Trilog Super Broadband Test Antenna	Schwarzbeck	VULB 9163	68-4-80-14-002	707	1	2025-7-2
Horn Antenna	Rohde & Schwarz	HF907	68-4-80-14-005	102294	1	2025-5-27
Loop Antenna	Rohde & Schwarz	HFH2-Z2	68-4-80-14-006	100398	1	2025-7-24
Pre-amplifier	Rohde & Schwarz	SCU 18	68-4-29-14-001	102230	1	2025-5-11
Attenuator	Mini-circuits	UNAT-6+	68-4-81-21-001	15542	1	2025-5-11
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A20	----	----	----
Cable	HUBER-SUHNER	RG214	68-4-90-14-001-A21	----	----	----
Cable	JUNFLON	MWX221	68-4-90-14-001-A22	----	----	----
3m Semi-anechoic chamber	TDK	SAC-3 #1	68-4-90-14-001	----	3	2026-10-25
Test software	Rohde & Schwarz	EMC32	68-4-90-14-001-A10	Version10.35.02	N/A	N/A

RF Conducted Test

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	2025-5-11
Vector Signal Generator	Rohde & Schwarz	SMBV100A	68-4-48-18-001	262825	1	2025-5-11
Signal Analyzer	Rohde & Schwarz	FSV40	68-4-74-14-004	101030	1	2025-5-11
RF Switch Module	Rohde & Schwarz	OSP120/OSP-B157W	68-4-93-14-003	101226/100929	1	2025-5-11
Power Splitter	Weinschel	1580	68-4-85-14-001	SC319	1	2025-5-11
10dB Attenuator	Weinschel	4M-10	68-4-81-14-003	43152	1	2025-5-11
RF Meas. and Switch Matrix Unit	TST PASS	TSCB3023R2	68-4-93-23-001	2811685c	1	2025-5-11
Frequency Extender	TST PASS	TSTCMWEXT7	68-4-93-23-001-A01	WEX230017C	1	2025-5-12
Frequency Extender	TST PASS	TSTSGEXT7	68-4-93-23-001-A02	EX2300BA	1	2025-5-12
Cable	JUNFLON	J12J103539	68-4-90-19-003-A20	----	----	----
Test software	TST PASS	System for BT/WIFI	68-4-93-23-001-A03	Version 2.0	N/A	N/A
Shielding Room	TDK	TS8997	68-4-90-19-003	----	3	2025-10-15

Conducted Emission Test 1# Test

DESCRIPTION	MANUFACTURER	MODEL NO.	EQUIPMENT ID	SERIAL NO.	CAL INTERVAL (YEAR)	CAL. DUE DATE
EMI Test Receiver	Rohde & Schwarz	ESR 3	68-4-74-14-001	101782	1	2025-5-13
LISN	Rohde & Schwarz	ENV4200	68-4-87-14-001	100249	1	2025-5-13
High Voltage Probe	Schwarzbeck	TK9420(VT9420)	68-4-27-14-001	9420-584	1	2025-5-12
RF Current Probe	Rohde & Schwarz	EZ-17	68-4-27-14-002	100816	1	2025-5-13
Attenuator	Shanghai Huaxiang	TS2-26-3	68-4-81-16-003	080928189	1	2025-5-11
Cable	OUQIAO	RG142	68-4-90-19-004-A20	----	----	----
Test software	Rohde & Schwarz	EMC32	68-4-90-14-003-A10	Version9.15.00	N/A	N/A
Shielding Room	TDK	CSR #1	68-4-90-19-004	----	3	2025-10-15

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 Radiated Emission 9kHz-30MHz	4.69dB
Uncertainty for Radiated Emission 30MHz-1000MHz	Horizontal: 4.78dB Vertical: 5.85dB
Uncertainty for Radiated Spurious Emission 1000MHz-18000MHz	5.11dB
Uncertainty for Radiated Spurious Emission 18000MHz-40000MHz	5.10dB
Uncertainty for Conducted RF test	RF Power Conducted: 1.31dB Frequency test involved: 0.6×10^{-8} or 1%

Measurement Uncertainty Decision Rule:

Determination of conformity with the specification limits is based on the decision rule according to IEC Guide 115: 2023, clause 4.4.3 and 4.5.1.

---END OF REPORT---