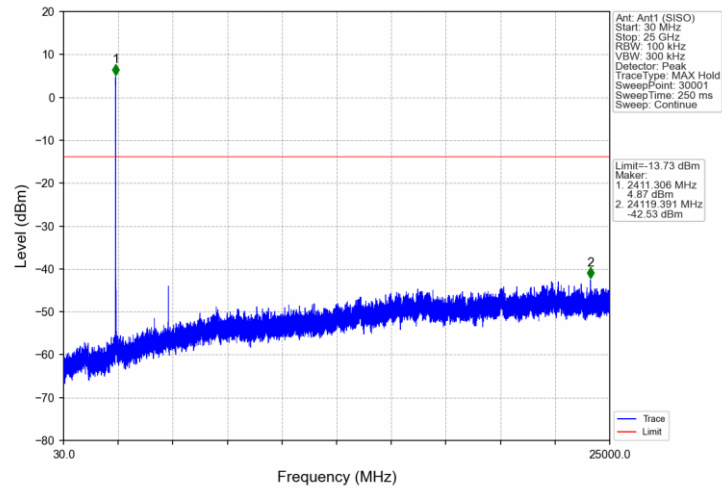
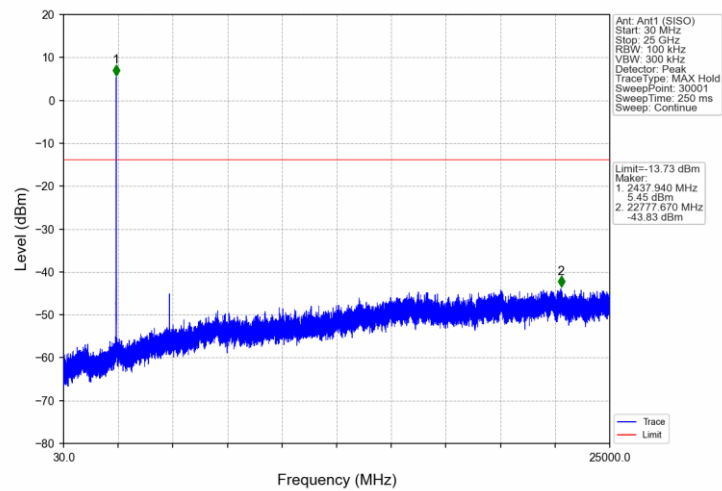


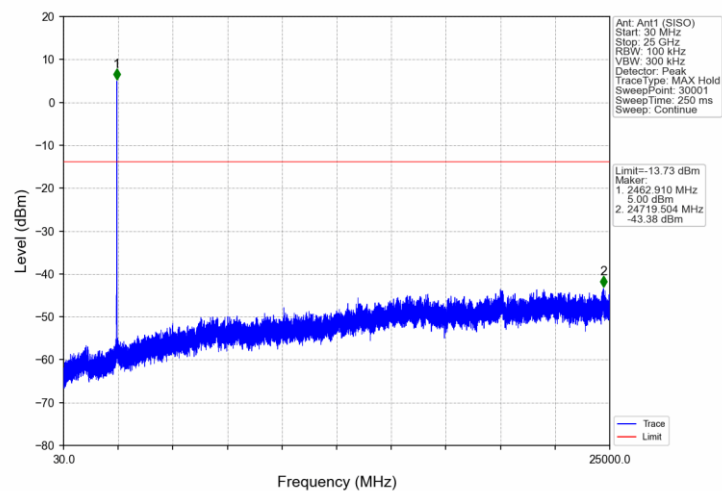
802.11b LCH 2412MHz ANT A (SISO) NTNV



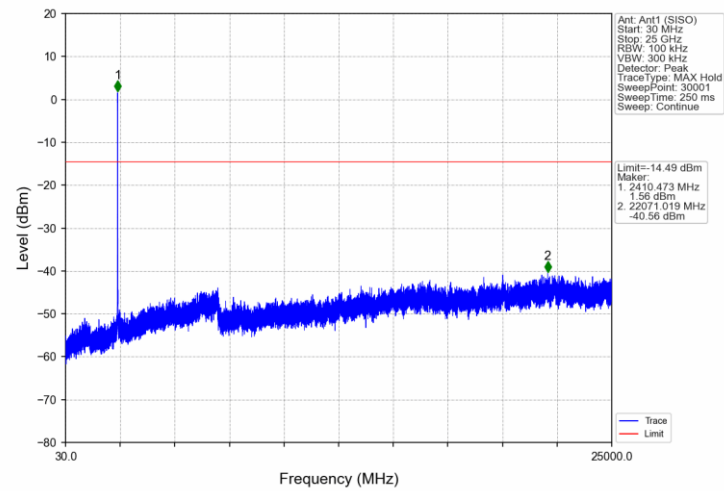
802.11b MCH 2437MHz ANT A (SISO) NTNV



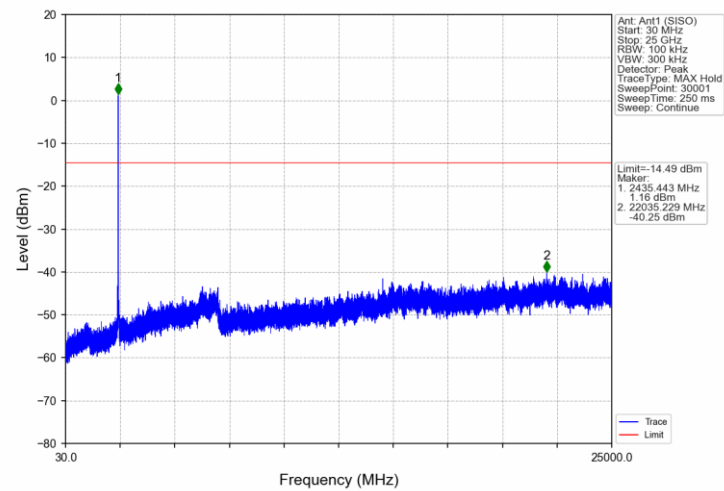
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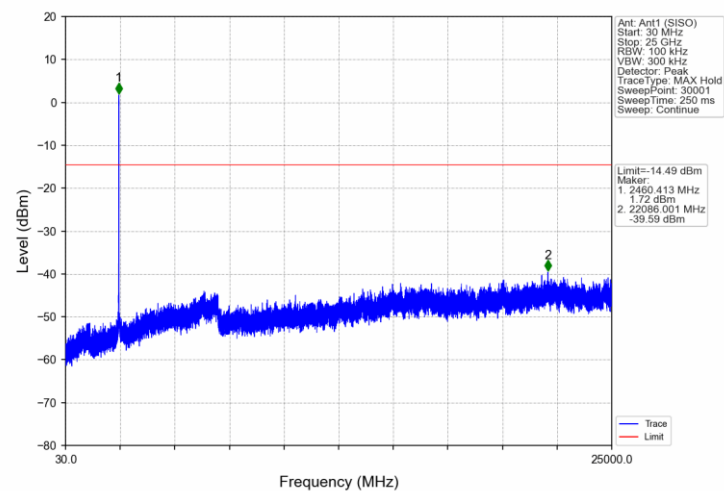
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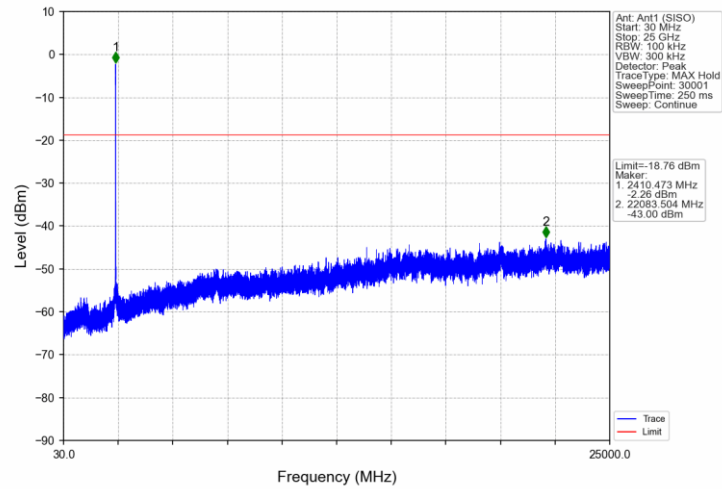
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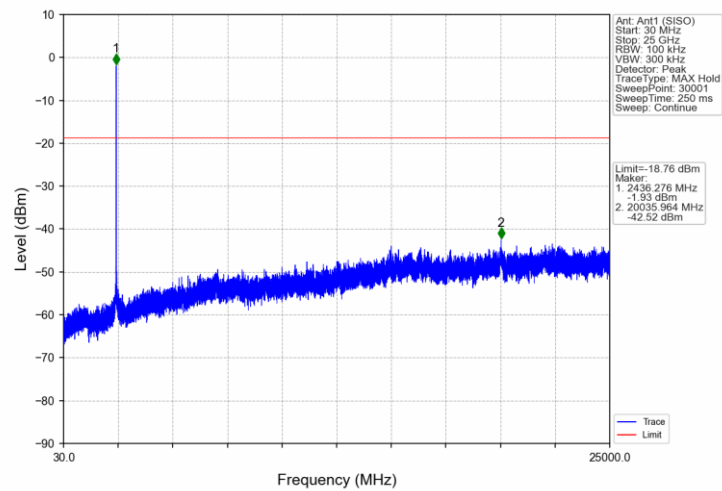
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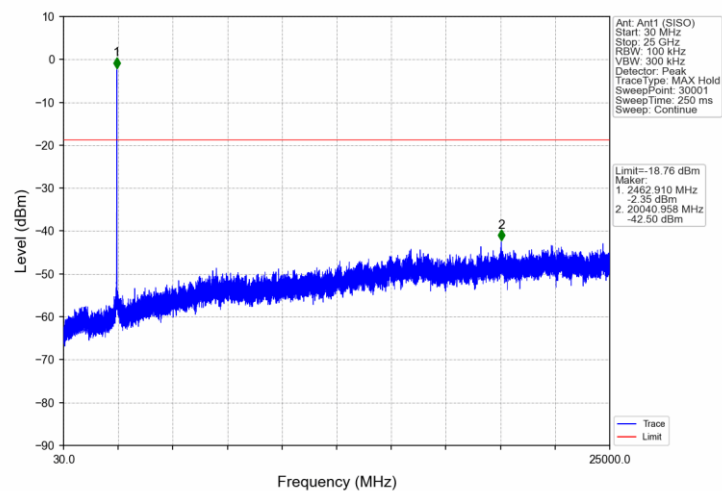
802.11n(HT20) LCH 2412MHz ANT A (MIMO) NTNv



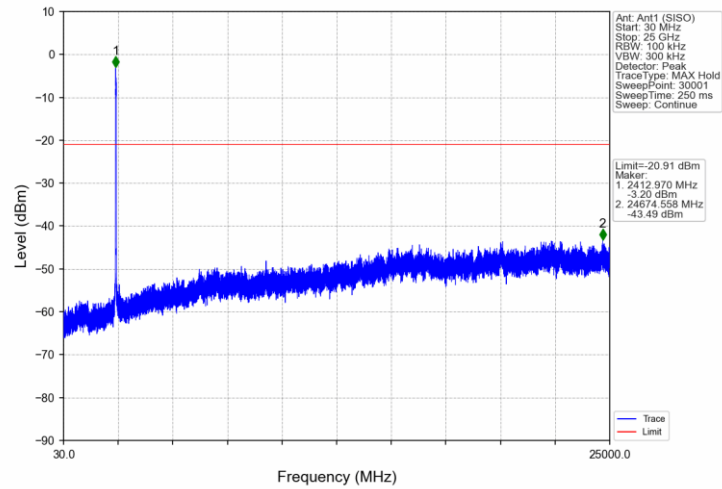
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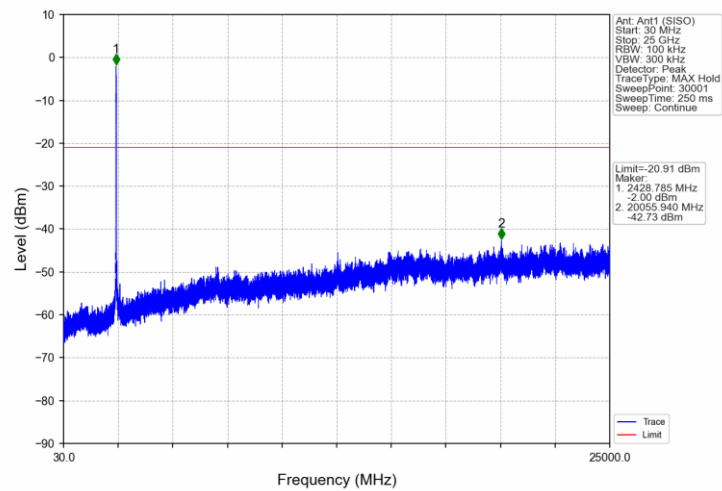
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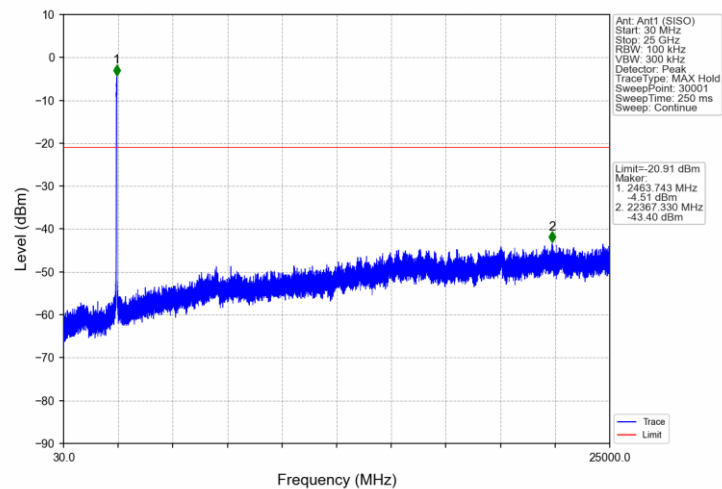
802.11n(HT40) LCH 2422MHz ANT A (MIMO) NTNv



802.11n(HT40) MCH 2437MHz ANT A (MIMO) NTNv

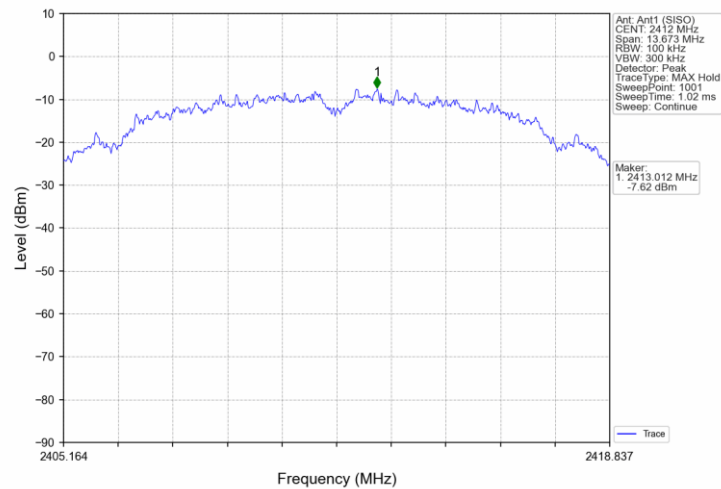


802.11n(HT40) HCH 2452MHz ANT A (MIMO) NTNv

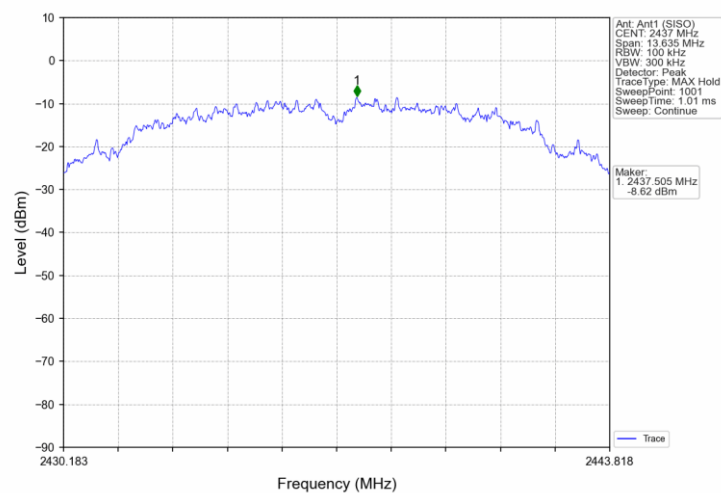


For ESP32-S3-WROOM-1U Module:

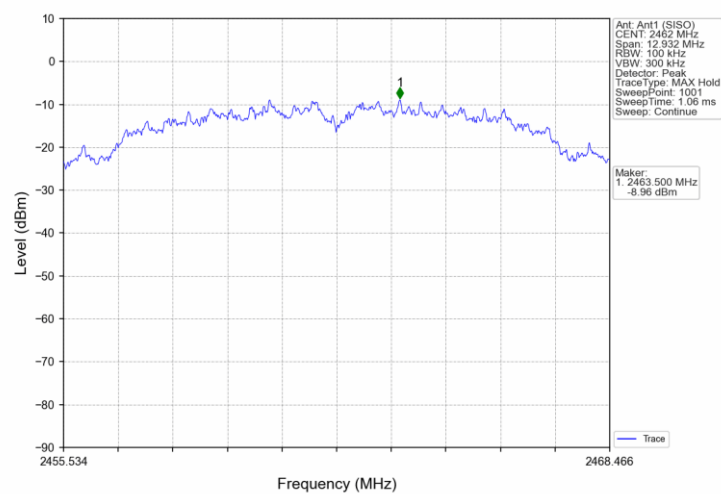
802.11b LCH 2412MHz ANT C (SISO) NTNV



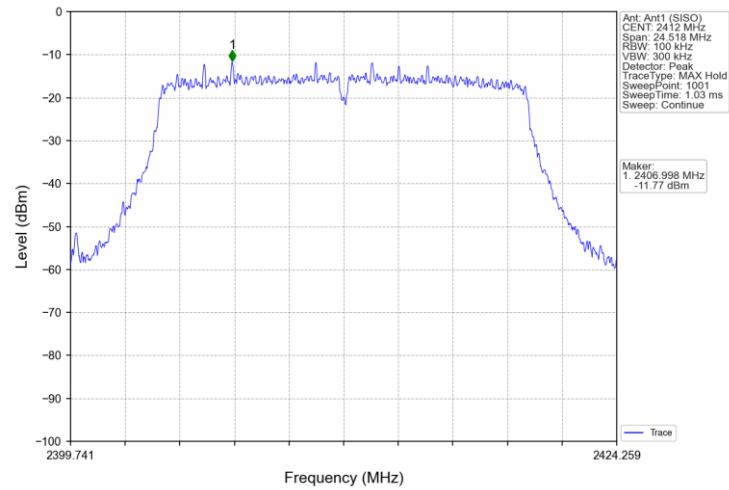
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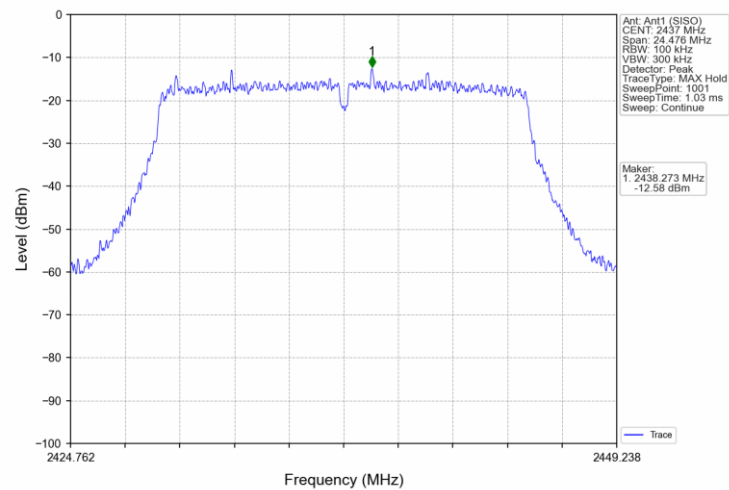
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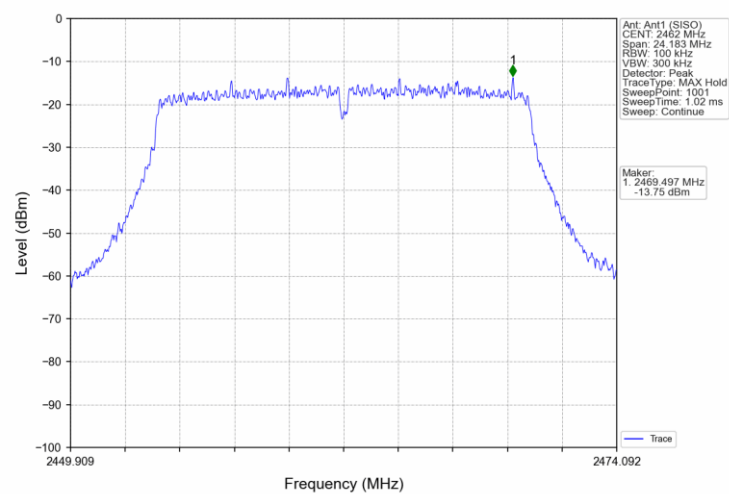
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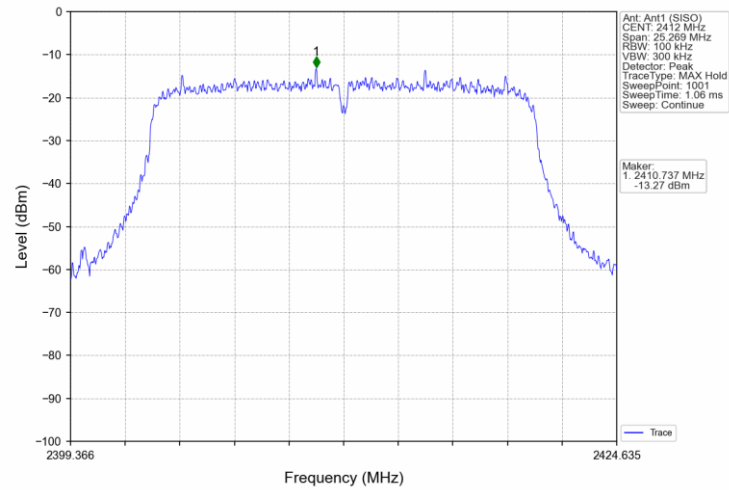
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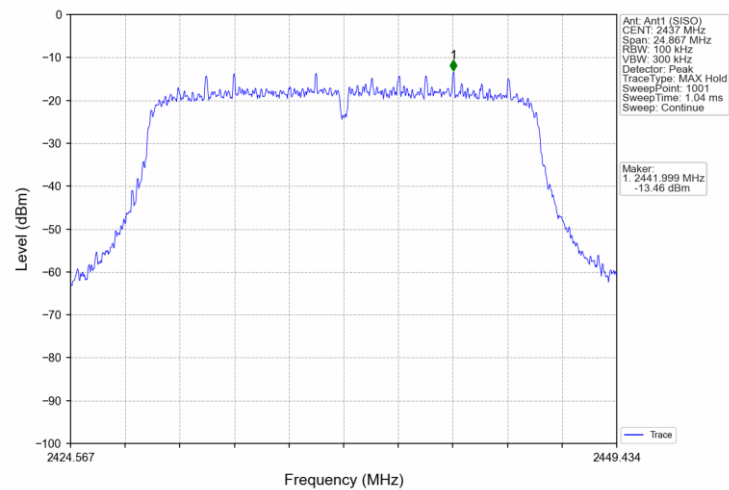
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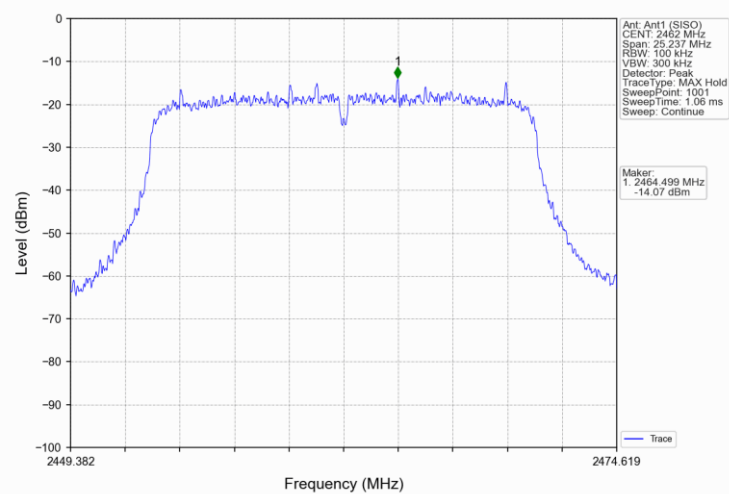
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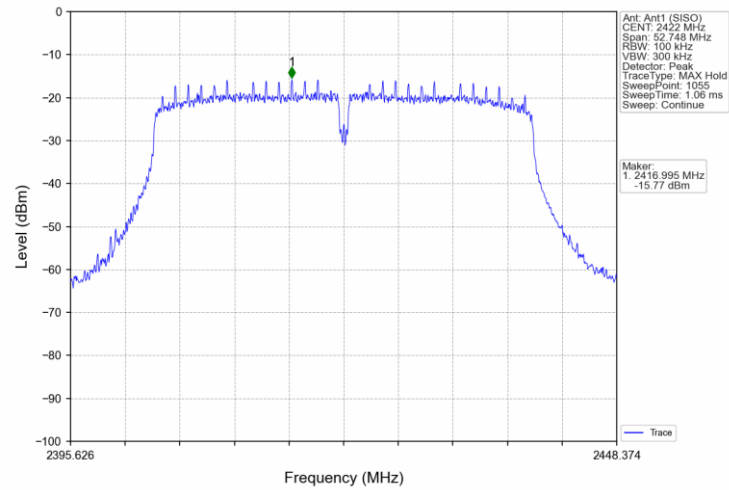
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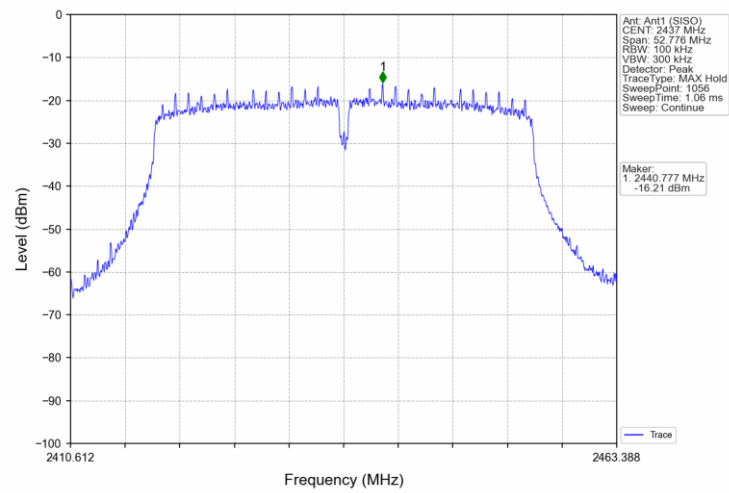
802.11n(HT20) HCH 2462MHz ANT_C (SISO) NTNv



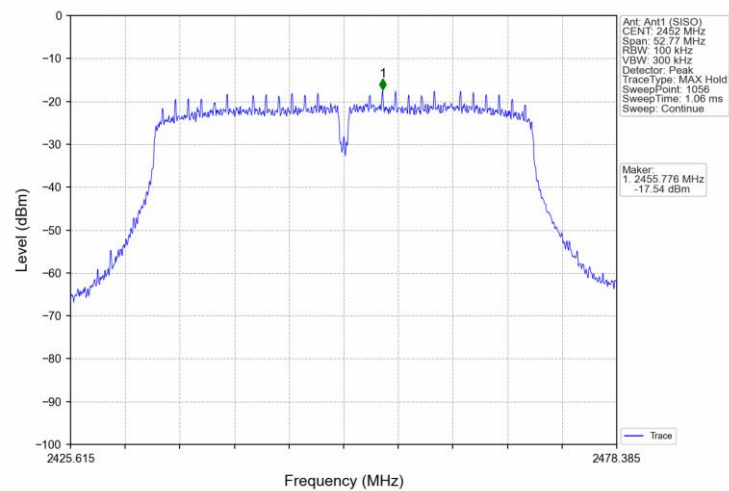
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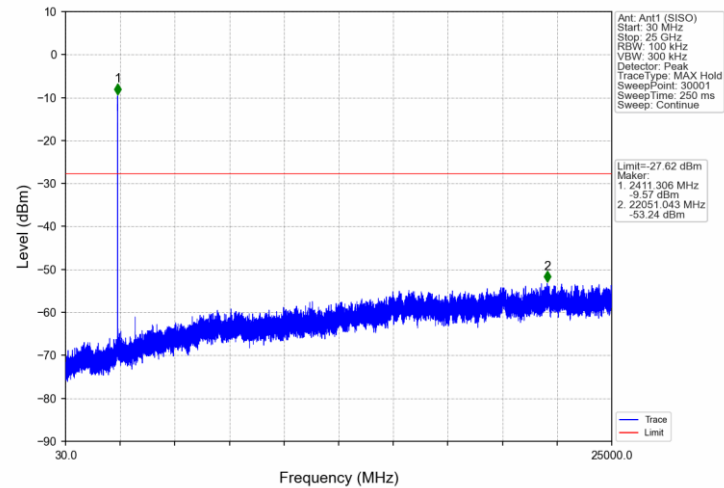
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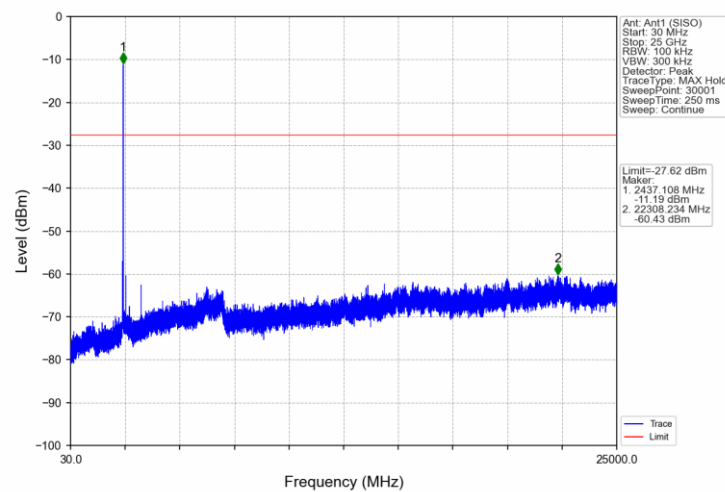
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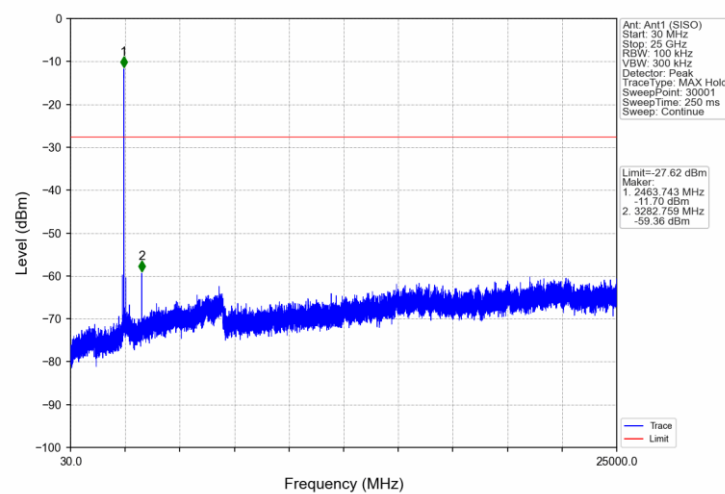
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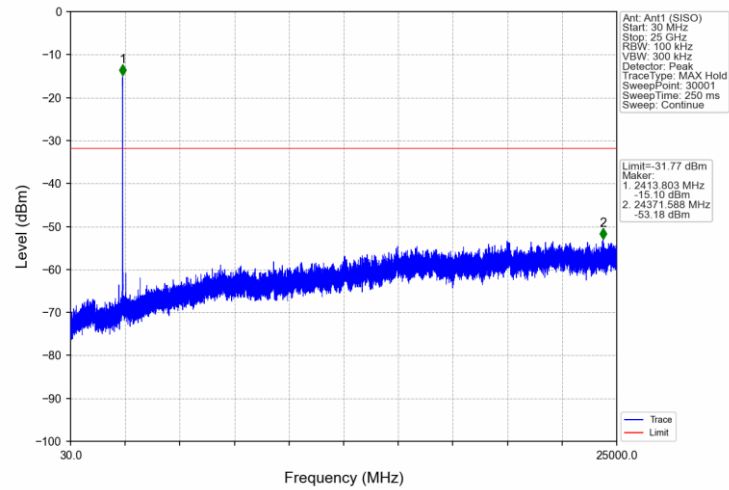
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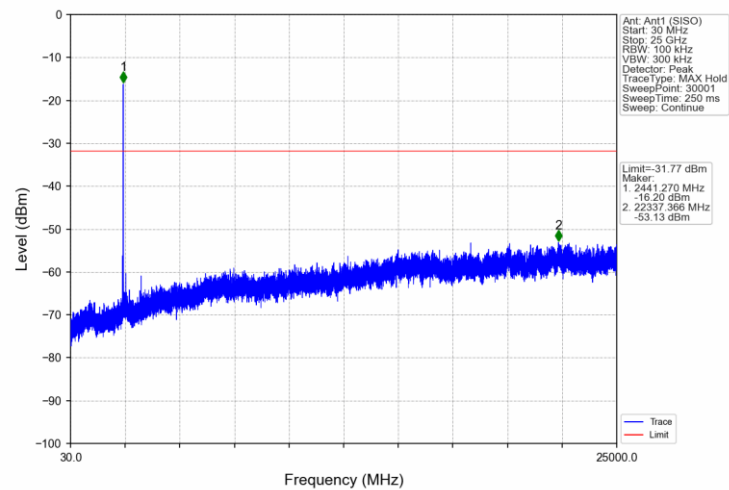
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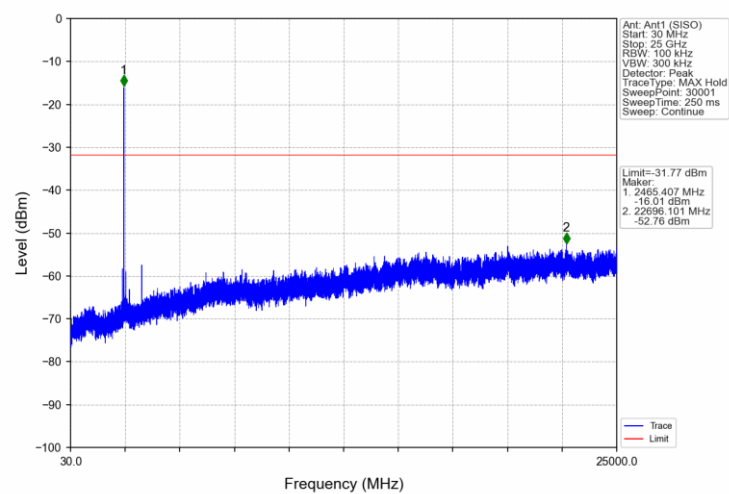
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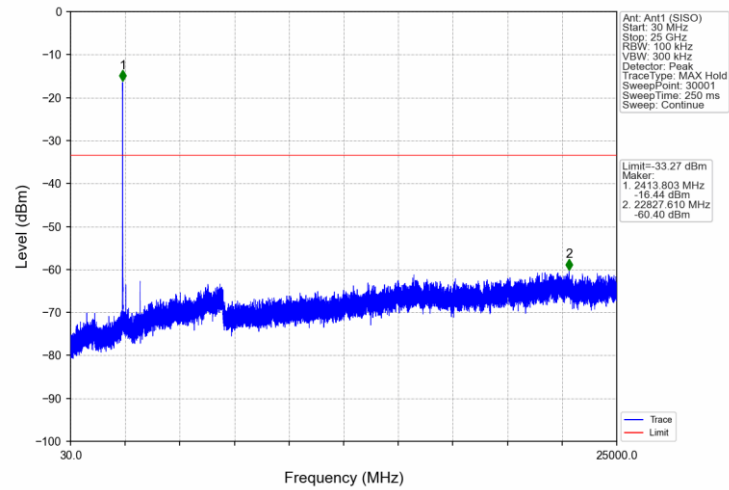
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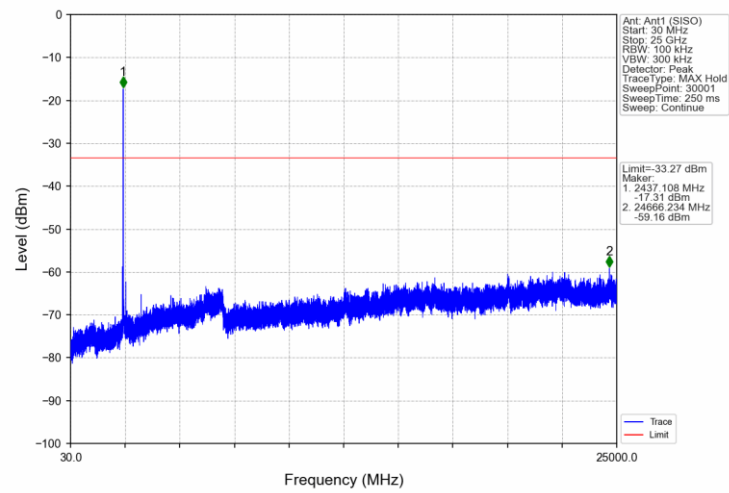
802.11g HCH 2462MHz ANT C (SISO) NTNv



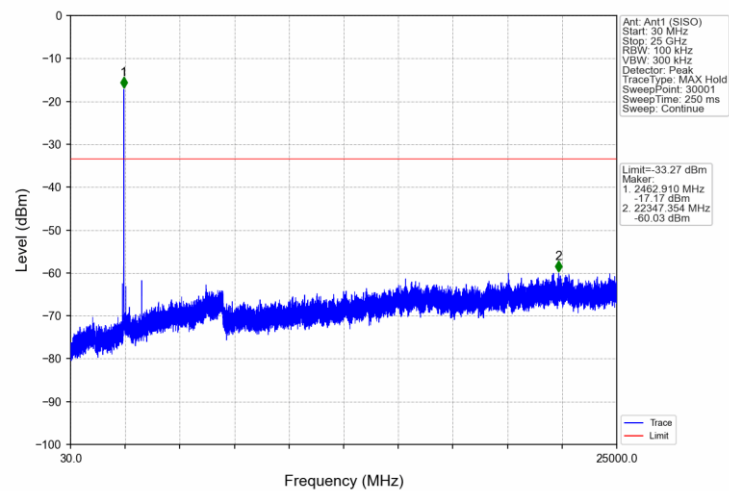
802.11n(HT20) LCH 2412MHz ANT C (SISO) NTNv



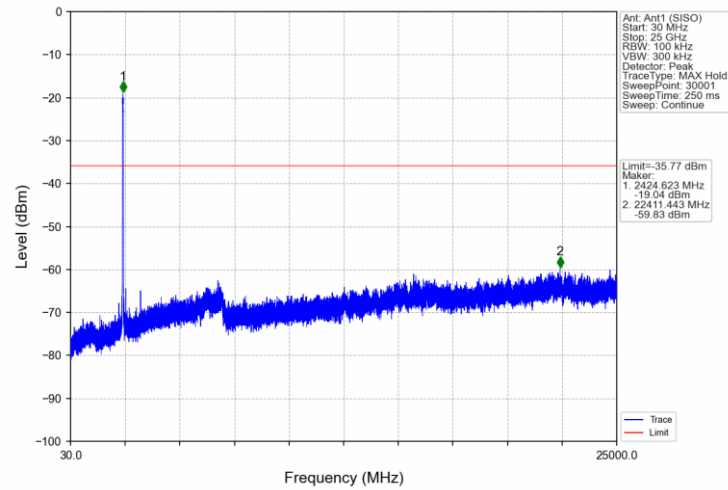
802.11n(HT20) MCH_2437MHz ANT_C (SISO) NTNv



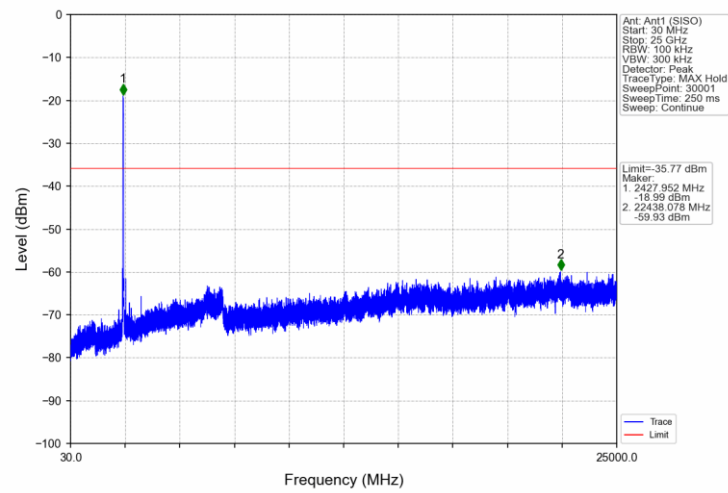
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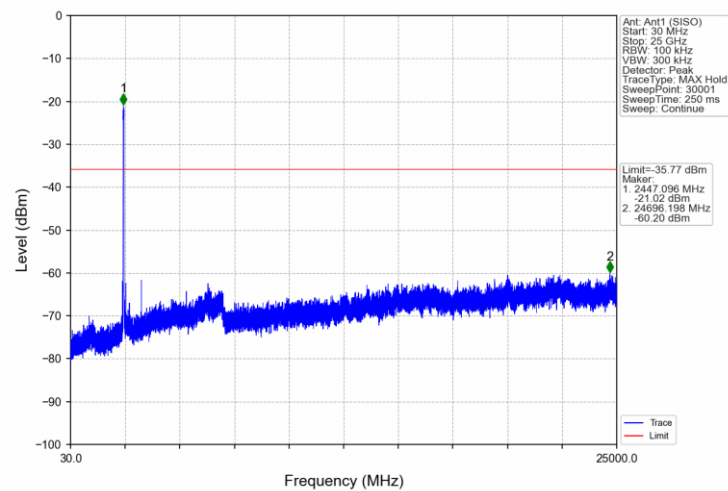
802.11n(HT40) LCH_2422MHz ANT_C (SISO) NTNv



802.11n(HT40) MCH_2437MHz ANT_C (SISO) NTNv



802.11n(HT40) HCH_2452MHz ANT_C (SISO) NTNv



9.6 Band Edge

Test Method

1. The RF output of EUT was connected to the spectrum analyzer by RF cable. The path loss was compensated to the results for each measurement.
2. Set to the maximum power setting, the instrument center frequency is set to the nominal EUT channel center frequency enable the EUT transmit continuously.
3. 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 $\geq$ 3RBW, Sweep = auto, Detector function = peak, Trace = max hold
4. Allow the trace to stabilize, use the peak and delta measurement to record the result.
5. The level displayed must comply with the limit specified in this Section.
6. Repeat above procedures until all frequencies measured were complete and submit all the plots.

Limit:

According to §15.247(d) & RSS-247 5.5, Band Edge limit as below:

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) and RSS-247 section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB.

Frequency Range MHz	Limit (dBc)
30-25000	-20

Band edge testing

For MT7663BSN Module:

Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	B	6.03	≤ -13.97	Pass
		2437	B	6.03	≤ -13.97	Pass
		2462	B	6.03	≤ -13.97	Pass
802.11g	SISO	2412	B	5.10	≤ -14.90	Pass
		2437	B	5.10	≤ -14.90	Pass
		2462	B	5.10	≤ -14.90	Pass
802.11n (HT20)	MIMO	2412	B	0.97	≤ -19.03	Pass
		2437	B	0.97	≤ -19.03	Pass
		2462	B	0.97	≤ -19.03	Pass
802.11n (HT40)	MIMO	2422	B	-1.24	≤ -21.24	Pass
		2437	B	-1.24	≤ -21.24	Pass
		2452	B	-1.24	≤ -21.24	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

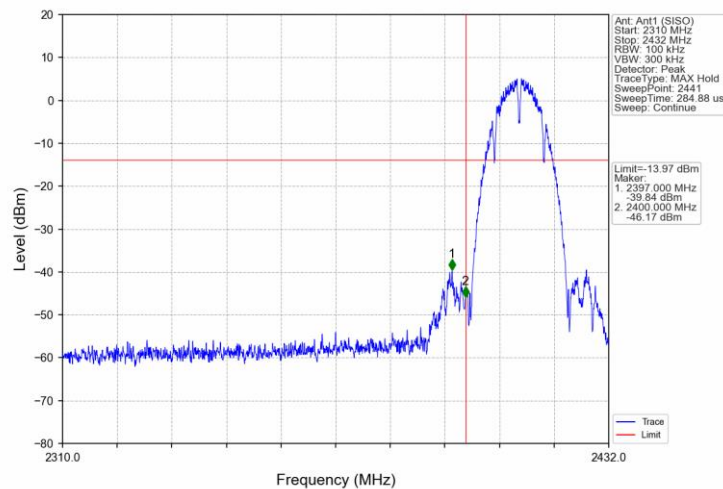
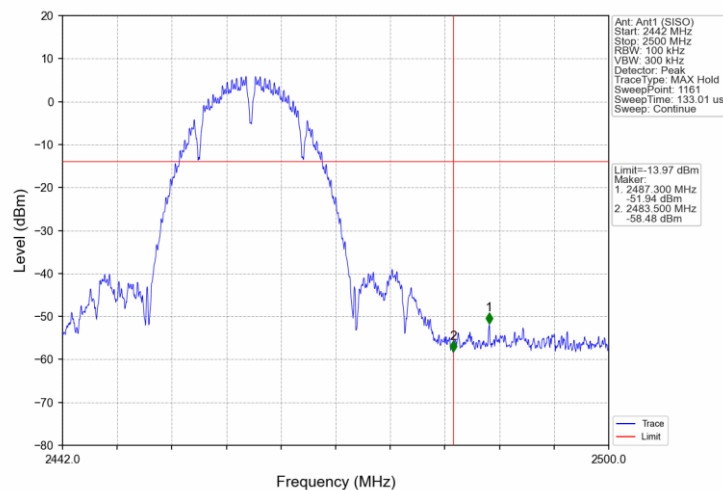
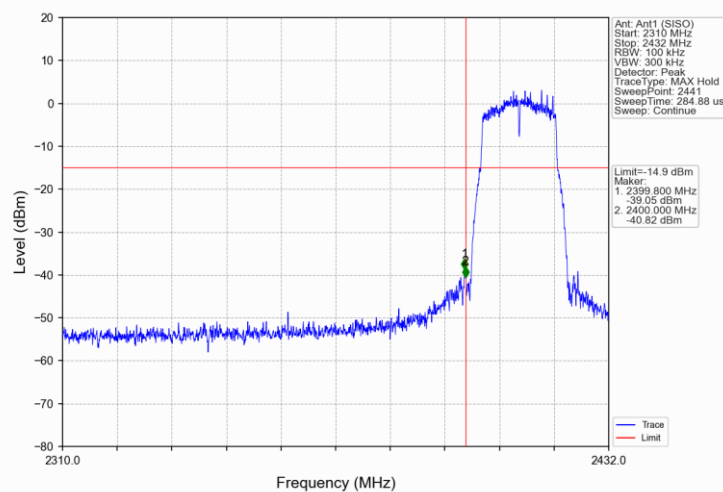
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	A	6.27	≤ -13.73	Pass
		2437	A	6.27	≤ -13.73	Pass
		2462	A	6.27	≤ -13.73	Pass
802.11g	SISO	2412	A	5.51	≤ -14.49	Pass
		2437	A	5.51	≤ -14.49	Pass
		2462	A	5.51	≤ -14.49	Pass
802.11n (HT20)	MIMO	2412	A	1.24	≤ -18.76	Pass
		2437	A	1.24	≤ -18.76	Pass
		2462	A	1.24	≤ -18.76	Pass
802.11n (HT40)	MIMO	2422	A	-0.91	≤ -20.91	Pass
		2437	A	-0.91	≤ -20.91	Pass
		2452	A	-0.91	≤ -20.91	Pass

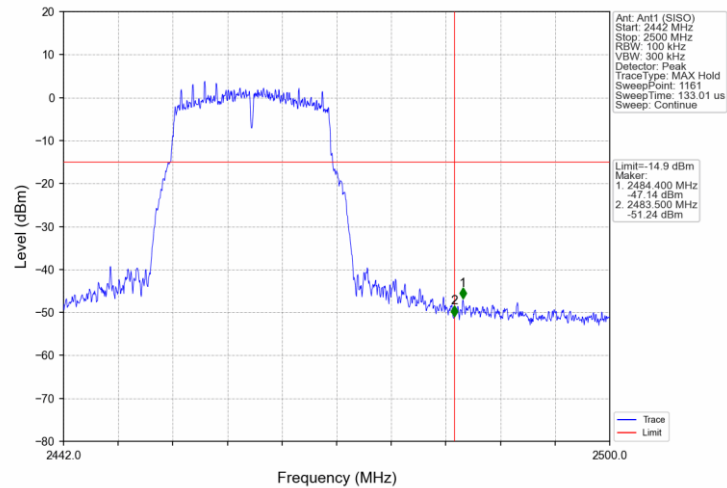
Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

For ESP32-S3-WROOM-1U Module:

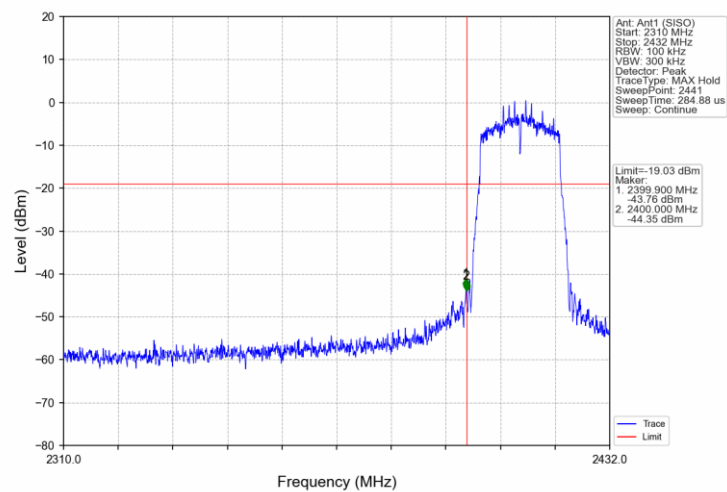
Mode	TX Type	Frequency (MHz)	ANT	Level of Reference (dBm)	Limit (dBm)	Verdict
802.11b	SISO	2412	C	-7.62	≤ -27.62	Pass
		2437	C	-7.62	≤ -27.62	Pass
		2462	C	-7.62	≤ -27.62	Pass
802.11g	SISO	2412	C	-11.77	≤ -31.77	Pass
		2437	C	-11.77	≤ -31.77	Pass
		2462	C	-11.77	≤ -31.77	Pass
802.11n (HT20)	SISO	2412	C	-13.27	≤ -33.27	Pass
		2437	C	-13.27	≤ -33.27	Pass
		2462	C	-13.27	≤ -33.27	Pass
802.11n (HT40)	SISO	2422	C	-15.77	≤ -35.77	Pass
		2437	C	-15.77	≤ -35.77	Pass
		2452	C	-15.77	≤ -35.77	Pass

Note1: Refer to FCC Part 15.247 (d) and ANSI C63.10-2020, the channel contains the maximum PSD level was used to establish the reference level.

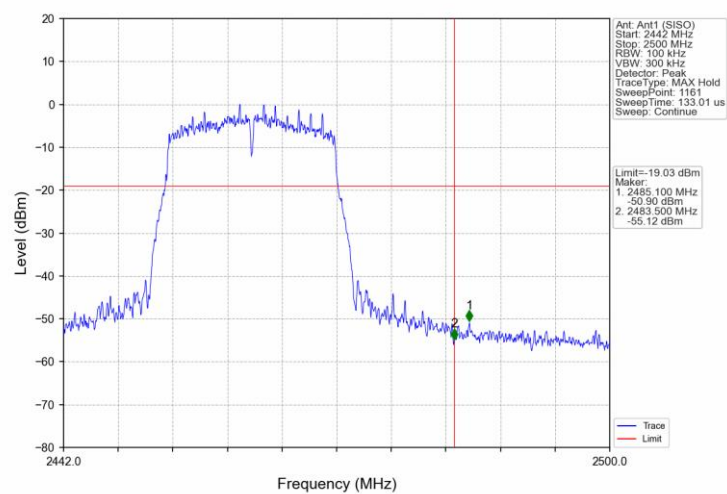
For MT7663BSN Module:**802.11b LCH 2412MHz ANT B (SISO) NTN****802.11b HCH 2462MHz ANT B (SISO) NTN****802.11g LCH 2412MHz ANT B (SISO) NTN****802.11g HCH 2462MHz ANT B (SISO) NTN**



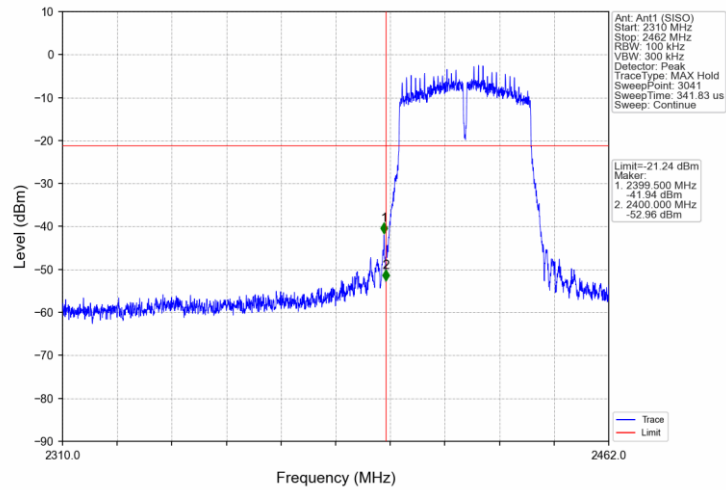
802.11n(HT20) LCH 2412MHz ANT B (MIMO) NTNv



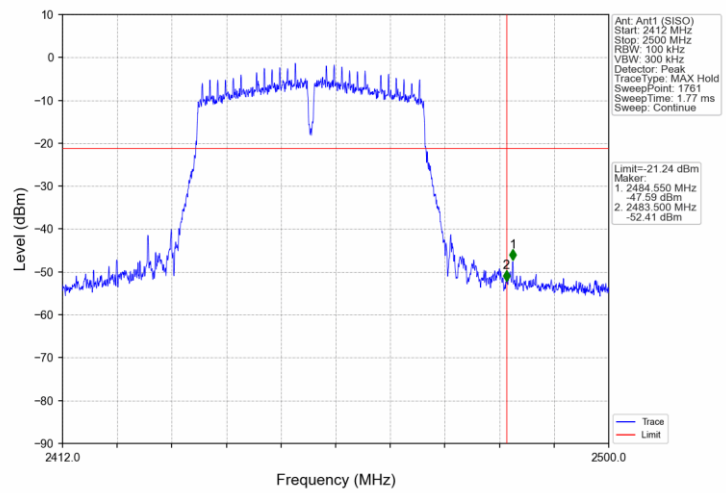
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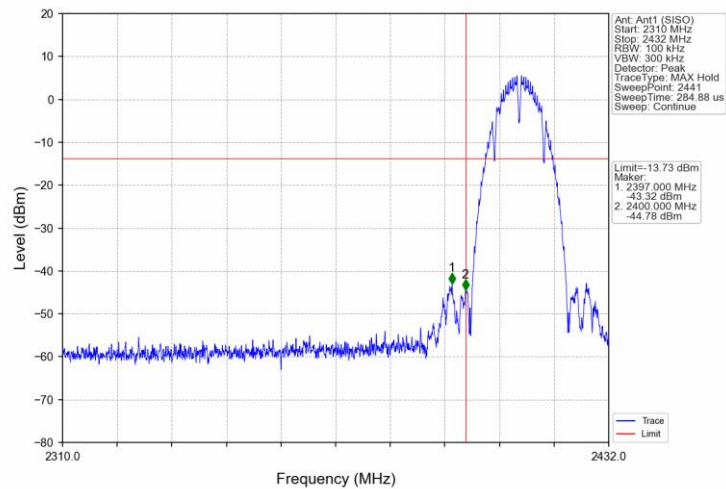
802.11n(HT40) LCH 2422MHz ANT B (MIMO) NTNv



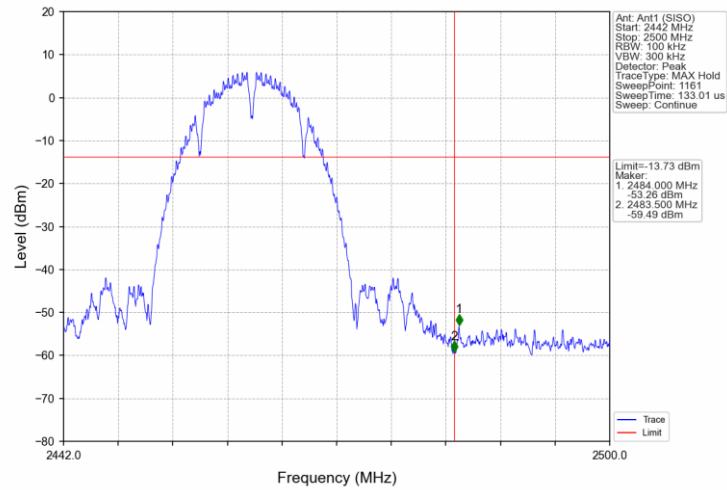
802.11n(HT40) HCH 2452MHz ANT_B (MIMO) NTNv



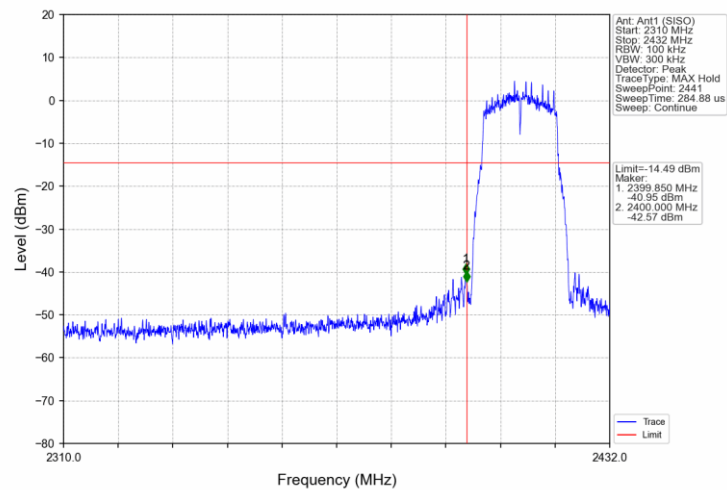
802.11b LCH 2412MHz ANT_A (SISO) NTNv



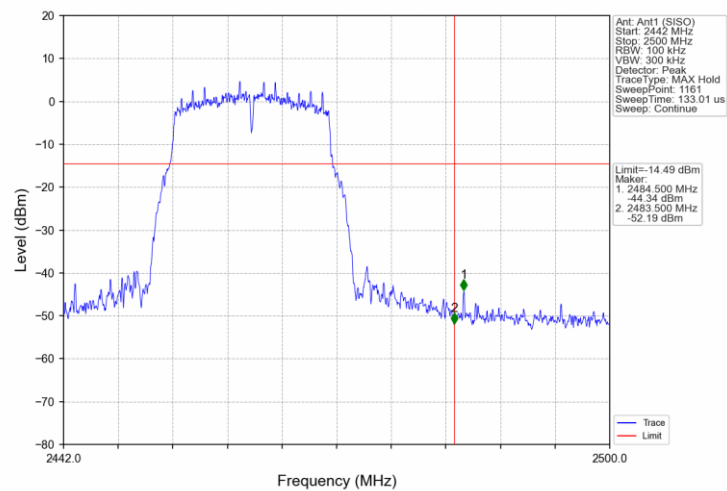
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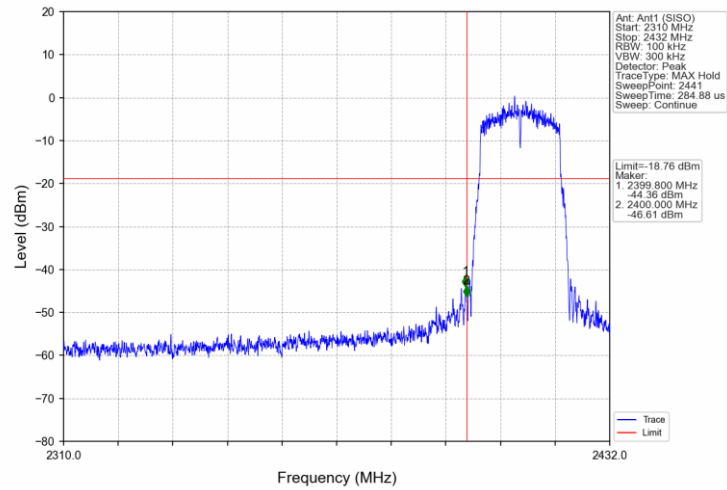
802.11g LCH 2412MHz ANT A (SISO) NTNv



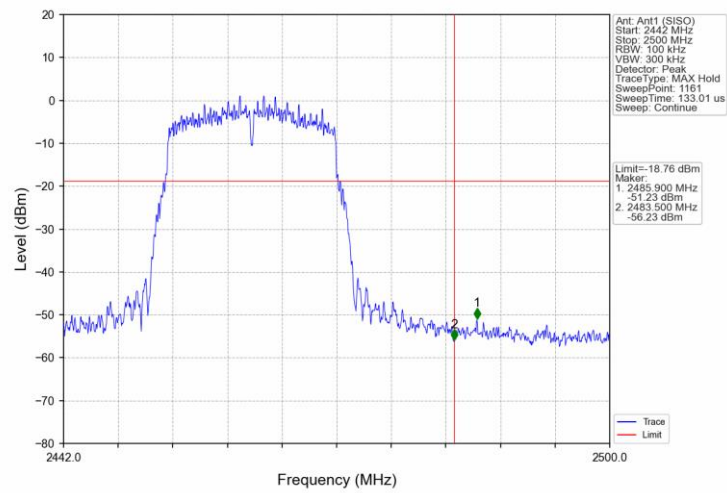
802.11g HCH 2462MHz ANT A (SISO) NTNv



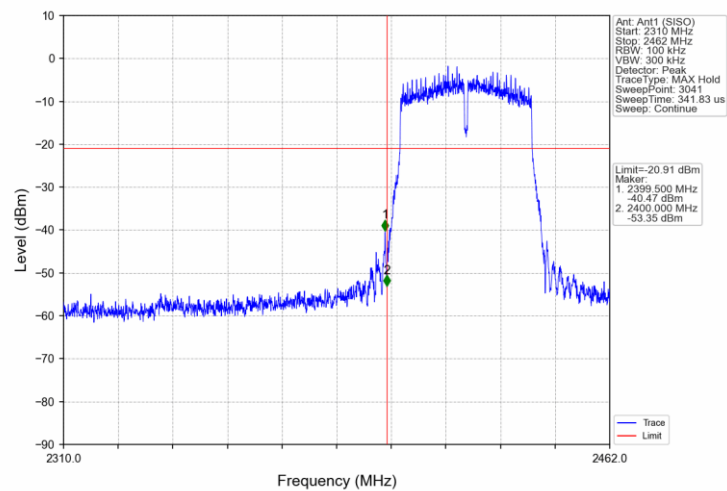
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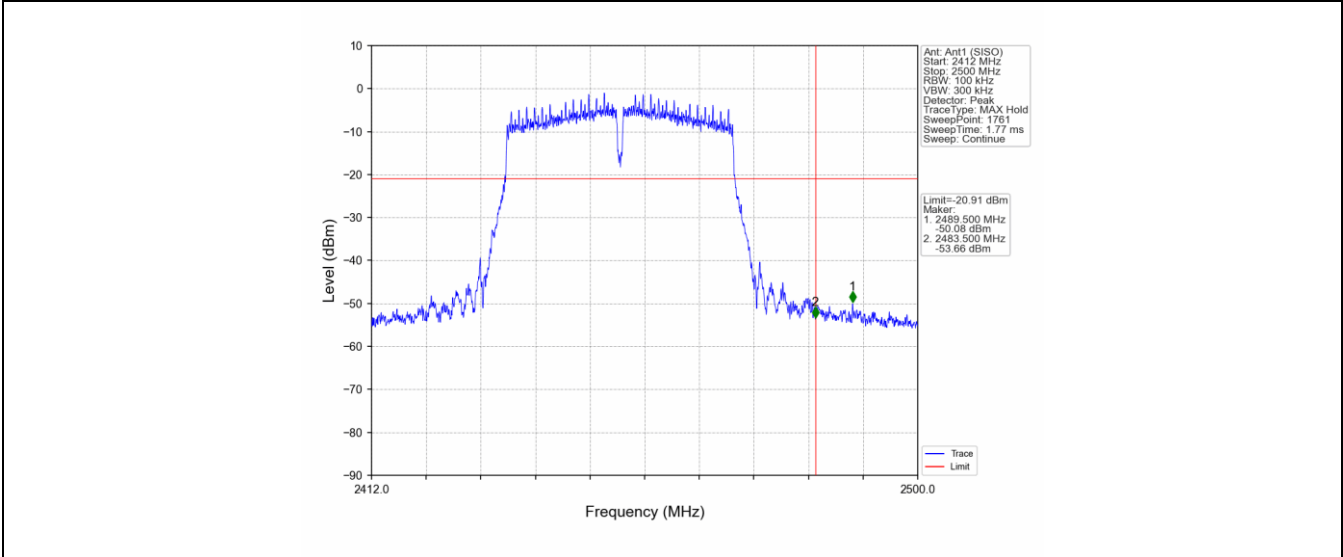
802.11n(HT20) HCH 2462MHz ANT A (MIMO) NTNv



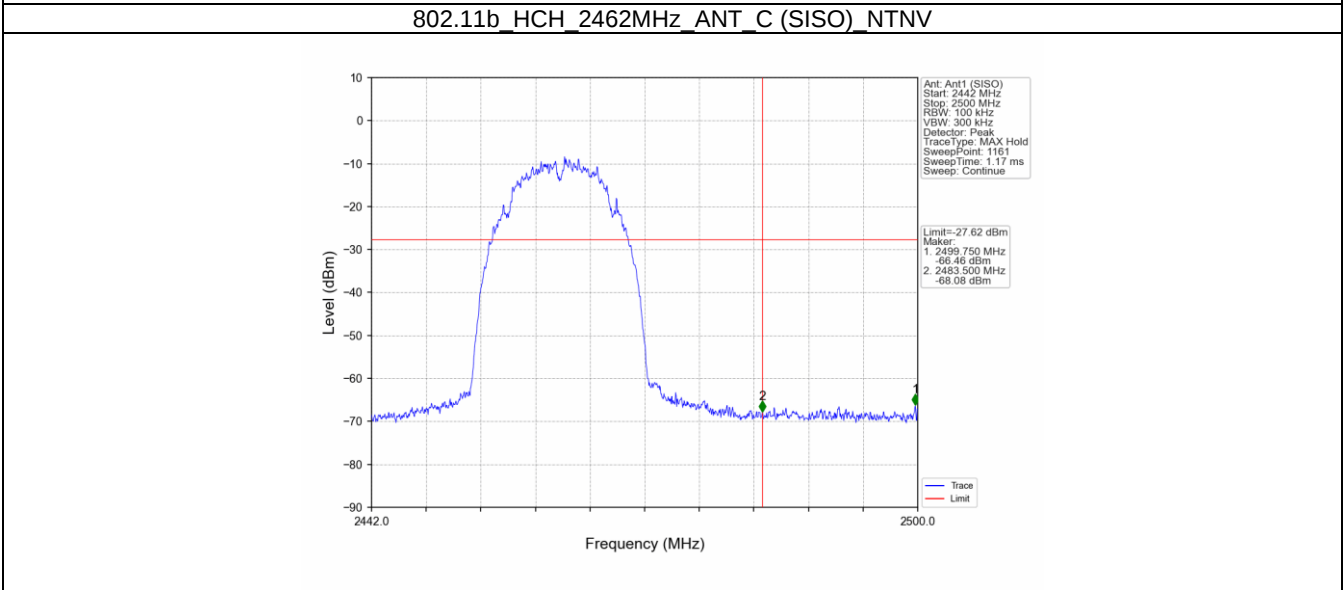
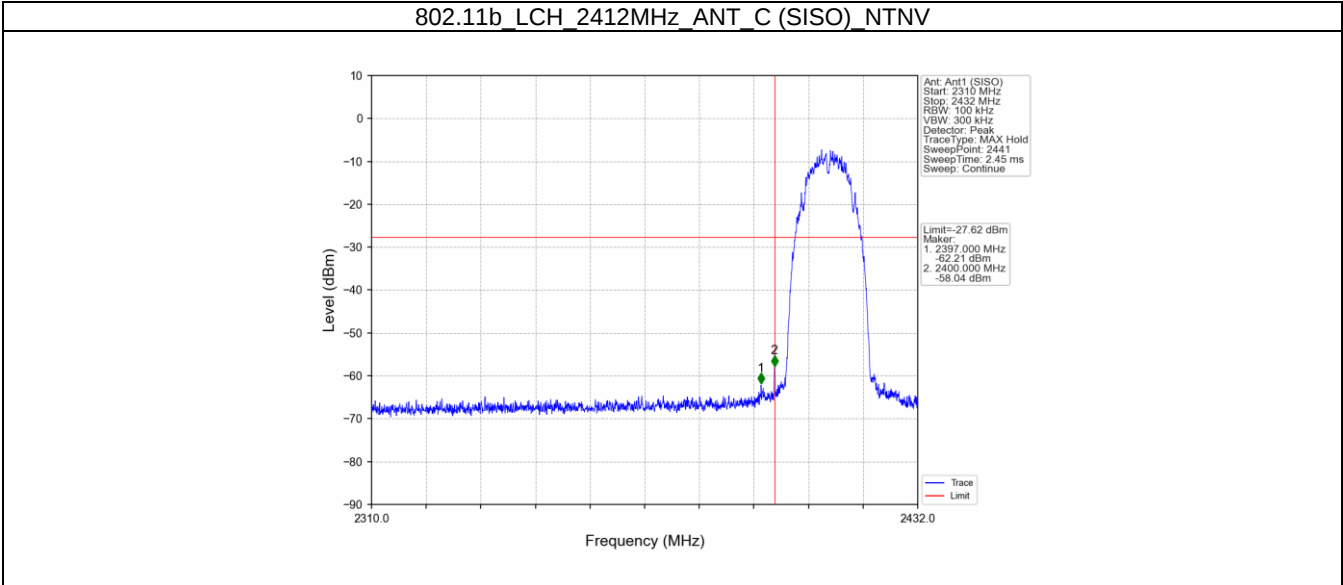
802.11n(HT40) LCH 2422MHz ANT A (MIMO) NTNv



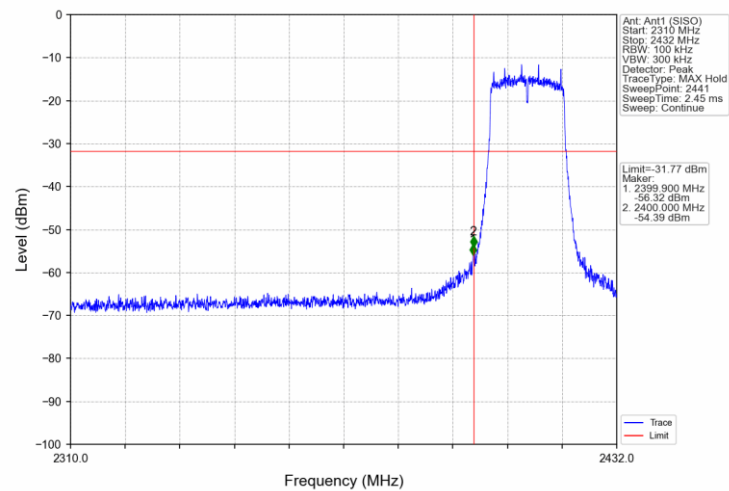
802.11n(HT40) HCH 2452MHz ANT A (MIMO) NTNv



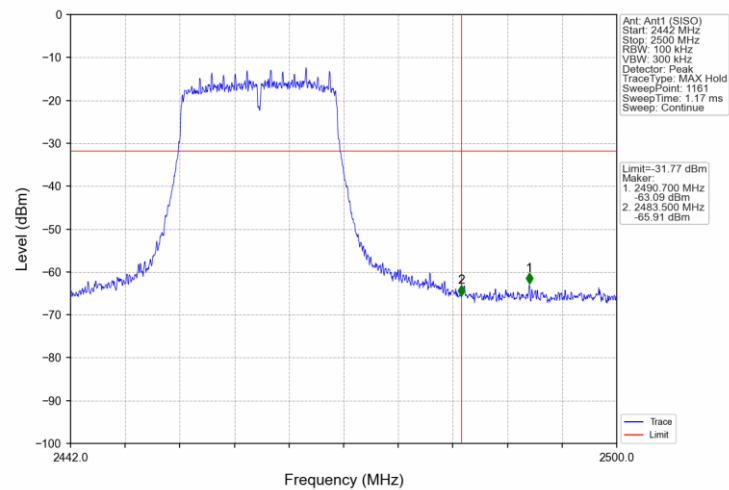
For ESP32-S3-WROOM-1U Module:



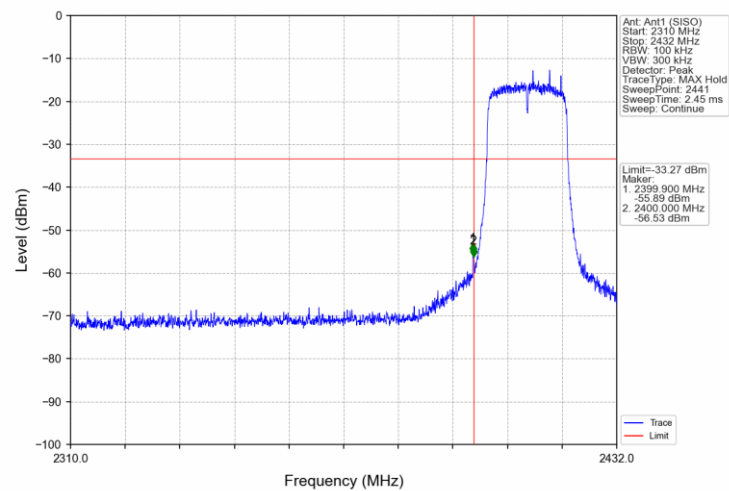
802.11g_LCH_2412MHz_ANT_C (SISO)_NTNV



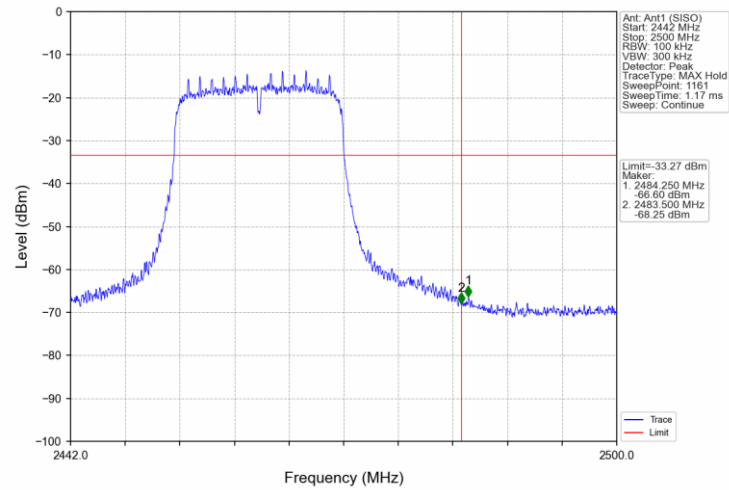
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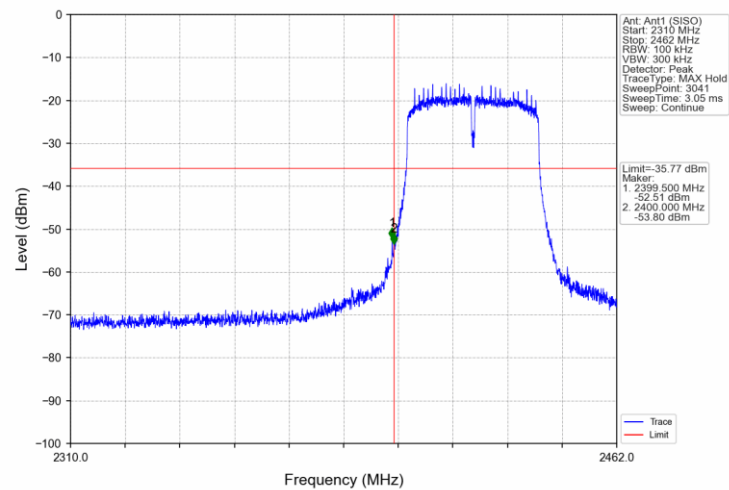
802.11n(HT20)_LCH_2412MHz_ANT_C (SISO)_NTNV



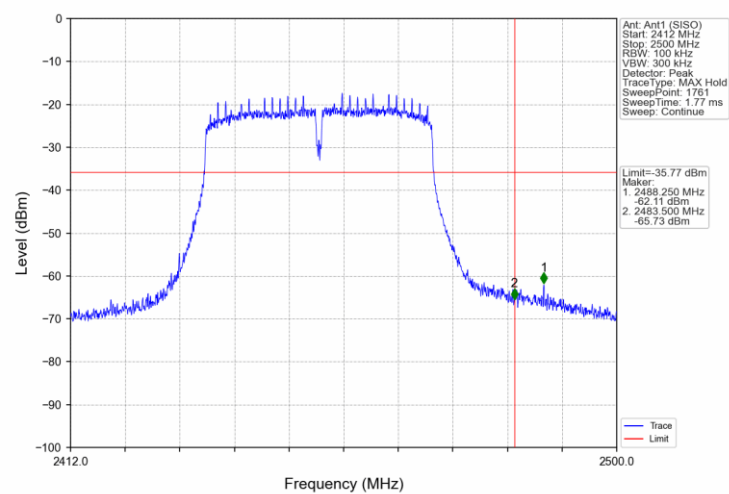
802.11n(HT20)_HCH_2462MHz_ANT_C (SISO)_NTNV



802.11n(HT40)_LCH_2422MHz_ANT_C (SISO)_NTNV



802.11n(HT40)_HCH_2452MHz_ANT_C (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.
Procedures for average unwanted emissions measurements above 1GHz
 - a) RBW = 1MHz.
 - b) $VBW \setminus [3 \times RBW]$.
 - c) Detector = RMS (power averaging), if $[\text{span} / (\# \text{ of points in sweep})] \setminus RBW / 2$.
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) and RSS 247 section 5.4(d), the attenuation required shall be 30 dB instead of 20 dB. Attenuation below the general field strength limits specified in § 15.209(a) and RSS-Gen is not required. In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a) and RSS-Gen section 8.9, must also comply with the radiated emission limits specified in § 15.209(a) and RSS-Gen section 8.10.

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)

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.

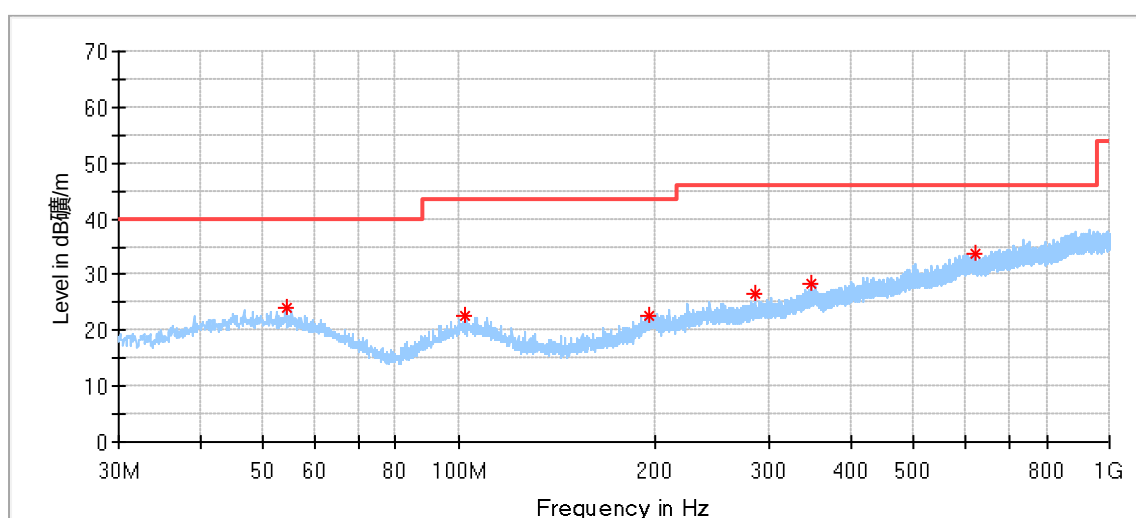
Data of measurement within frequency range 9kHz-30MHz is the noise floor or attenuated more than 20dB below the permissible limits or the field strength is too small to be measured, so test data does not present in this report.

Transmitting spurious emission test result as below:

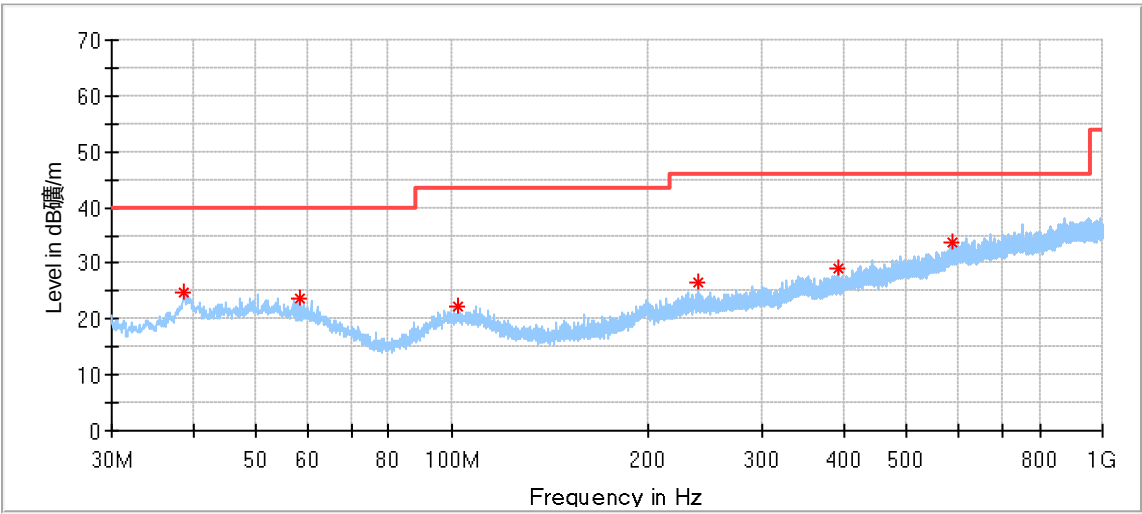
30MHz – 1000MHz:

For MT7663BSN Module:

11b_ANT_B_2412MHz



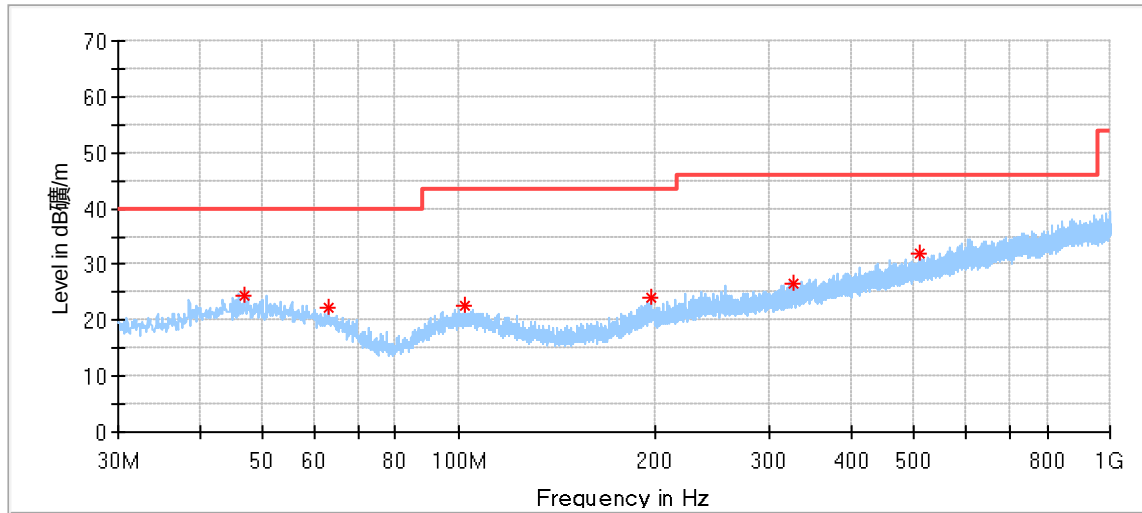
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
54.357778	23.98	40.00	16.02	200.0	H	19.0	17.84
102.049444	22.60	43.50	20.90	100.0	H	129.0	16.49
196.624444	22.74	43.50	20.76	200.0	H	313.0	16.72
284.571111	26.43	46.00	19.57	100.0	H	349.0	18.46
348.752778	28.34	46.00	17.66	200.0	H	97.0	20.69
623.155000	33.84	46.00	12.16	100.0	H	237.0	25.70



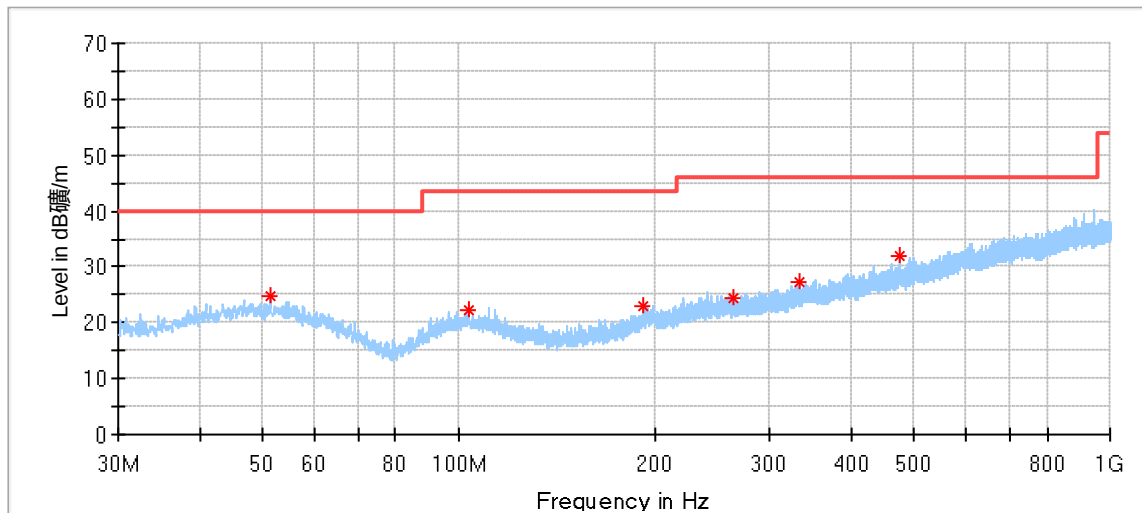
Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
38.783889	24.76	40.00	15.24	100.0	V	155.0	16.15
58.345556	23.64	40.00	16.36	100.0	V	200.0	17.23
102.372778	22.22	43.50	21.28	100.0	V	290.0	16.46
239.088889	26.45	46.00	19.55	100.0	V	282.0	17.46
392.618333	29.13	46.00	16.87	200.0	V	255.0	21.26
589.797778	33.76	46.00	12.24	200.0	V	164.0	25.34

For ESP32-S3-WROOM-1U Module:

11b_ANT_C_2412MHz



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
46.921111	24.30	40.00	15.70	200.0	H	197.0	18.48
62.926111	22.22	40.00	17.78	200.0	H	217.0	16.15
102.157222	22.54	43.50	20.96	100.0	H	346.0	16.07
197.325000	23.91	43.50	19.59	200.0	H	329.0	16.30
326.335000	26.57	46.00	19.43	100.0	H	92.0	19.30
510.257778	31.93	46.00	14.07	200.0	H	268.0	23.12

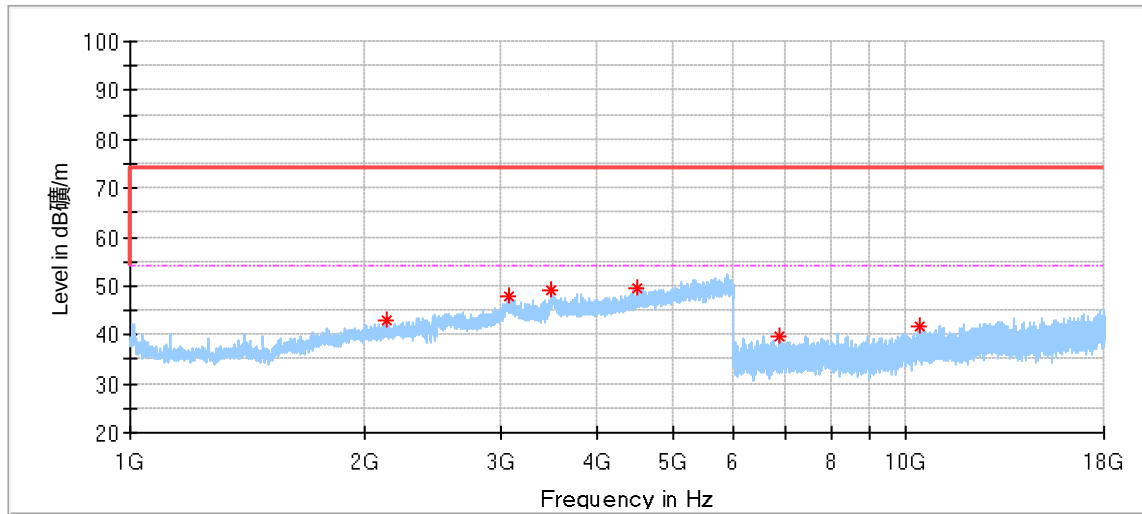


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
51.340000	24.94	40.00	15.06	100.0	V	70.0	18.22
103.666111	22.40	43.50	21.10	200.0	V	247.0	16.06
192.367222	23.04	43.50	20.46	200.0	V	163.0	15.83
263.500556	24.40	46.00	21.60	100.0	V	247.0	17.76
332.963333	27.33	46.00	18.67	200.0	V	80.0	19.50
476.146111	31.97	46.00	14.03	100.0	V	0.0	22.47

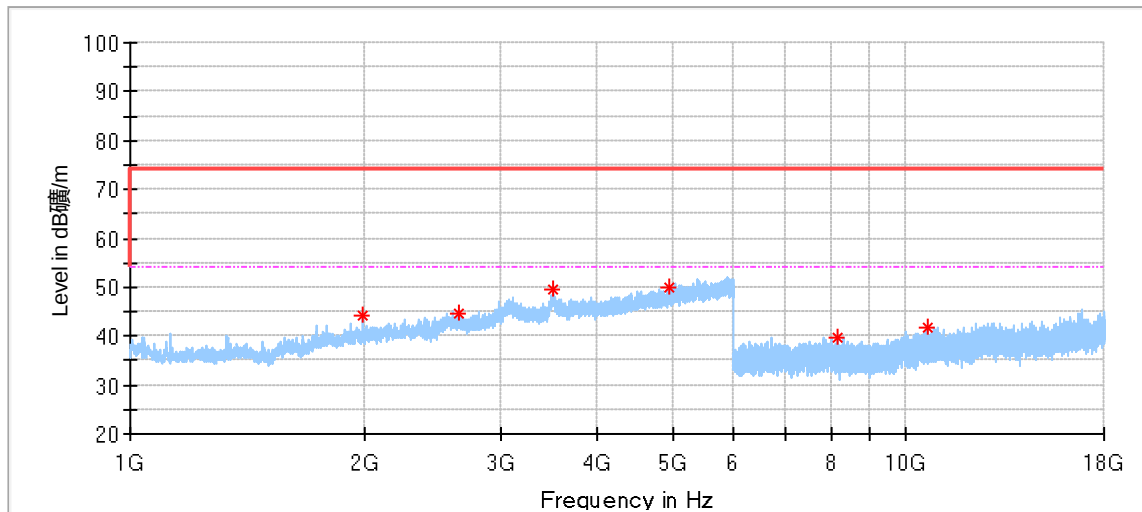
1GHz -18GHz:

For MT7663BSN Module:

11b_2412MHz_ANT_B:

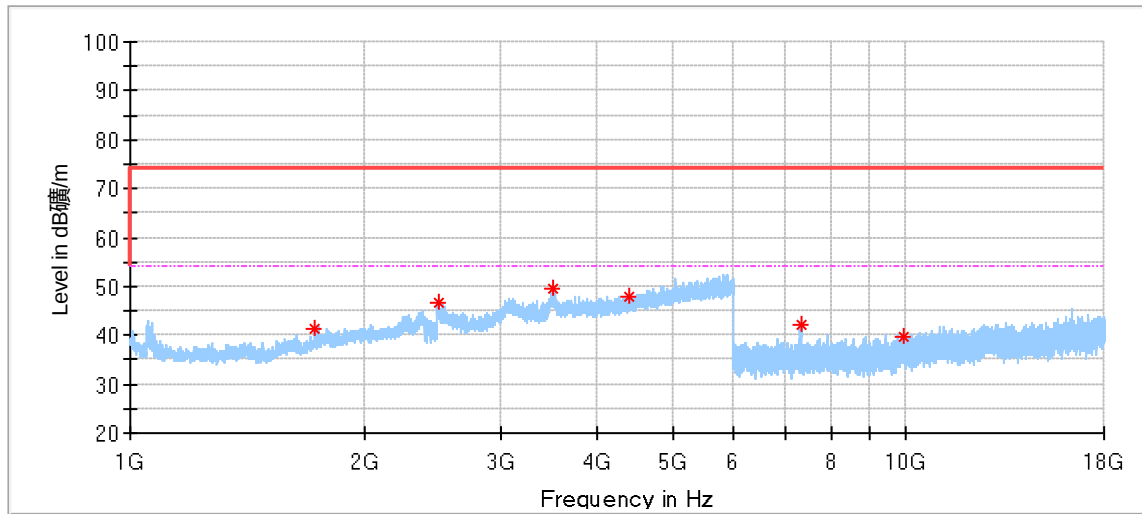


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2146.000000	42.89	74.00	31.11	150.0	H	242.0	-3.60
3083.500000	47.83	74.00	26.17	150.0	H	314.0	1.55
3493.500000	49.11	74.00	24.89	150.0	H	179.0	3.99
4502.500000	49.35	74.00	24.65	150.0	H	118.0	3.95
6873.000000	39.77	74.00	34.23	150.0	H	51.0	6.14
10441.000000	41.70	74.00	32.30	150.0	H	223.0	10.13

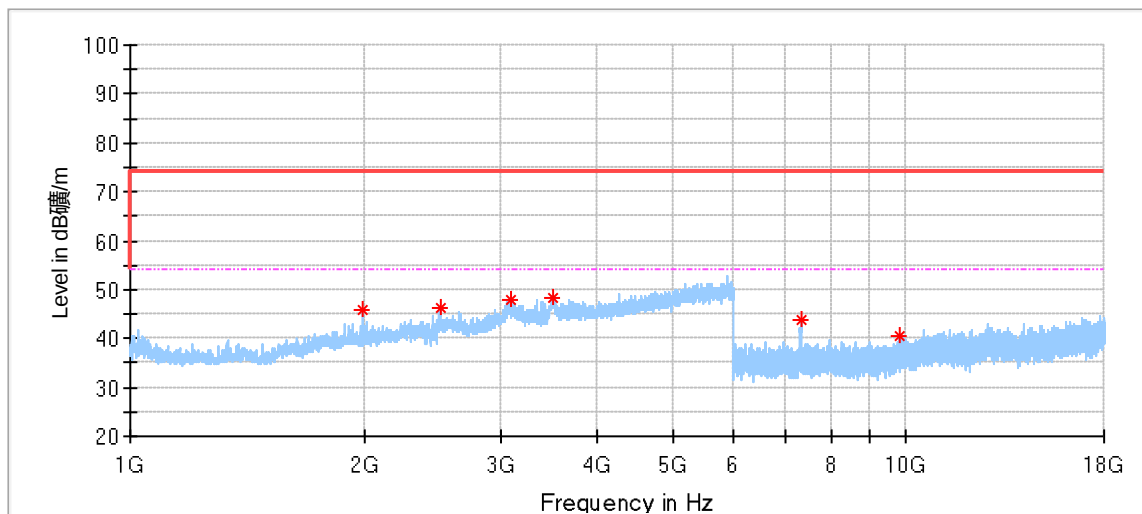


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1991.500000	44.06	74.00	29.94	150.0	V	0.0	-4.13
2644.500000	44.82	74.00	29.18	150.0	V	131.0	-1.43
3511.500000	49.68	74.00	24.32	150.0	V	131.0	3.91
4953.000000	49.91	74.00	24.09	150.0	V	347.0	5.25
8167.000000	39.55	74.00	34.45	150.0	V	74.0	7.35
10673.000000	41.62	74.00	32.38	150.0	V	95.0	10.35

11b_2437MHz_ANT_B:

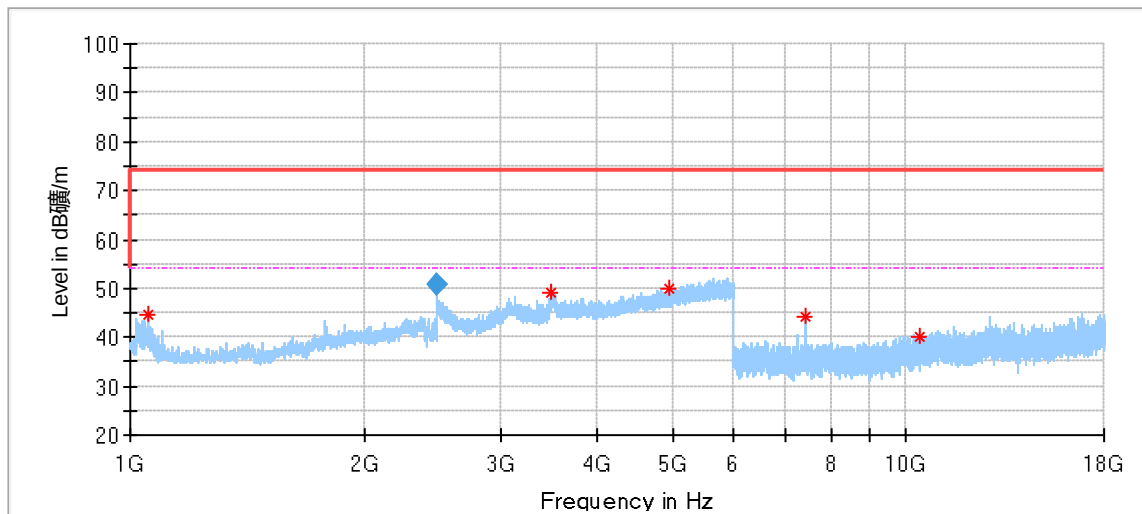


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1726.500000	41.15	74.00	32.85	150.0	H	167.0	-6.23
2500.000000	46.79	74.00	27.21	150.0	H	4.0	-1.85
3508.000000	49.60	74.00	24.40	150.0	H	54.0	4.08
4408.500000	47.87	74.00	26.13	150.0	H	300.0	3.50
7311.000000	42.10	74.00	31.90	150.0	H	120.0	6.68
9952.000000	39.87	74.00	34.13	150.0	H	266.0	9.41



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1993.500000	45.97	74.00	28.03	150.0	V	177.0	-4.10
2507.500000	46.06	74.00	27.94	150.0	V	321.0	-1.80
3097.500000	47.89	74.00	26.11	150.0	V	85.0	1.63
3517.000000	48.44	74.00	25.56	150.0	V	157.0	3.63
7312.500000	43.74	74.00	30.26	150.0	V	180.0	6.69
9802.000000	40.53	74.00	33.47	150.0	V	138.0	9.23

11b_2462MHz_ANT_B:

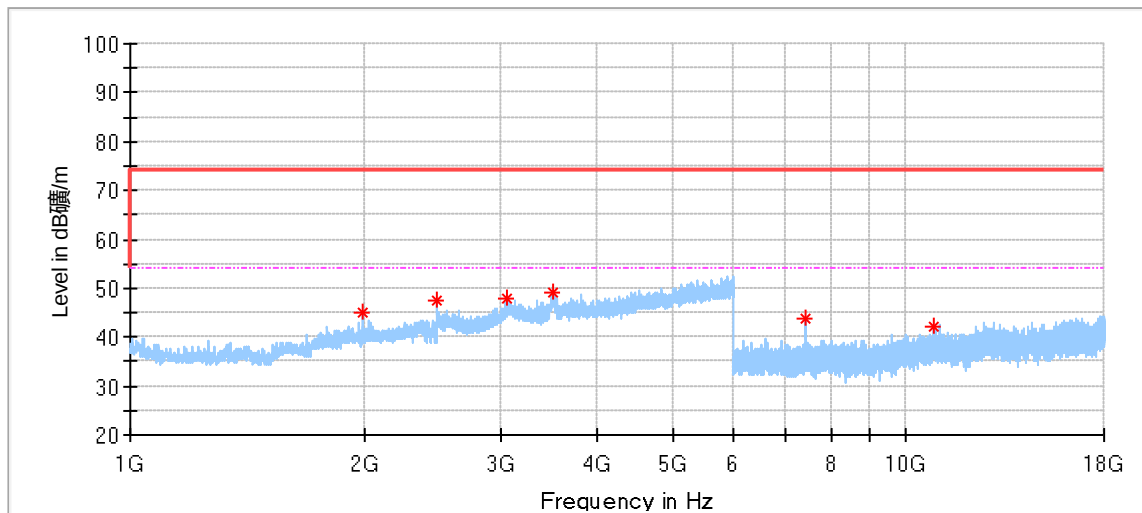


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1053.000000	44.46	74.00	29.54	150.0	H	187.0	-8.36
2489.500000	51.05	74.00	22.95	150.0	H	13.0	-1.83
3494.000000	48.96	74.00	25.04	150.0	H	357.0	4.03
4950.000000	49.96	74.00	24.04	150.0	H	0.0	5.24
7415.000000	44.27	74.00	29.74	150.0	H	239.0	6.55
10430.500000	40.14	74.00	33.86	150.0	H	8.0	10.13

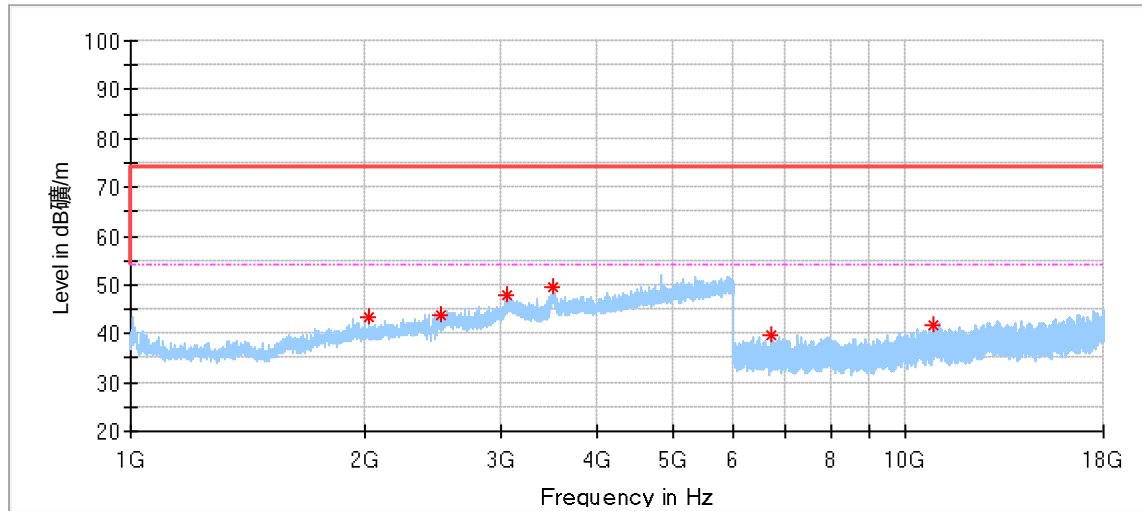
Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2489.500000	50.65	54.00	3.35	150.0	H	13.0	-1.83

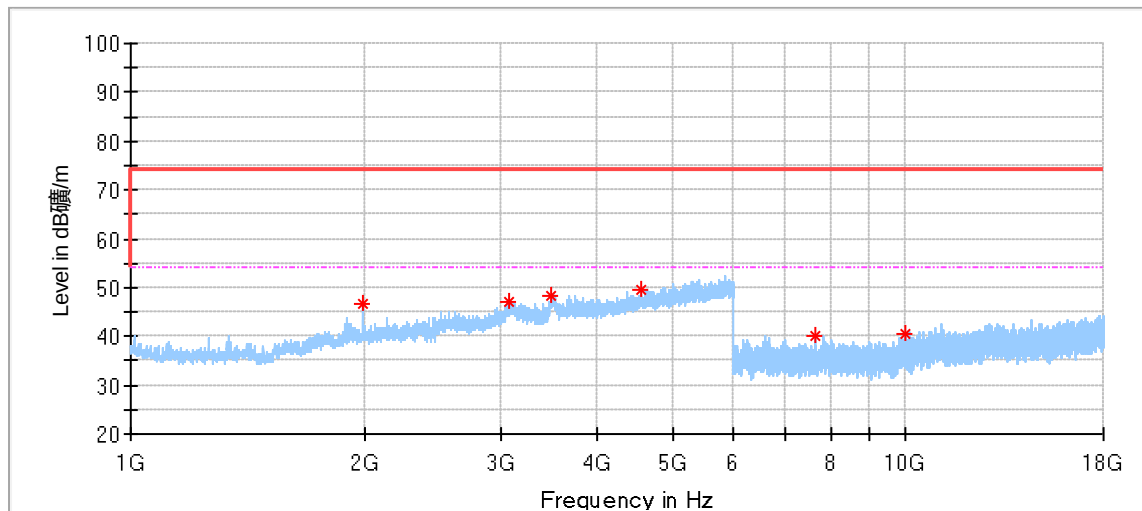


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1992.500000	44.83	74.00	29.17	150.0	V	358.0	-4.12
2490.500000	47.67	74.00	26.33	150.0	V	310.0	-1.83
3062.500000	47.86	74.00	26.14	150.0	V	259.0	1.59
3504.500000	49.20	74.00	24.80	150.0	V	136.0	4.26
7414.500000	43.77	74.00	30.23	150.0	V	183.0	6.55
10844.000000	42.08	74.00	31.92	150.0	V	204.0	10.72

11b_2412MHz_ANT_A:

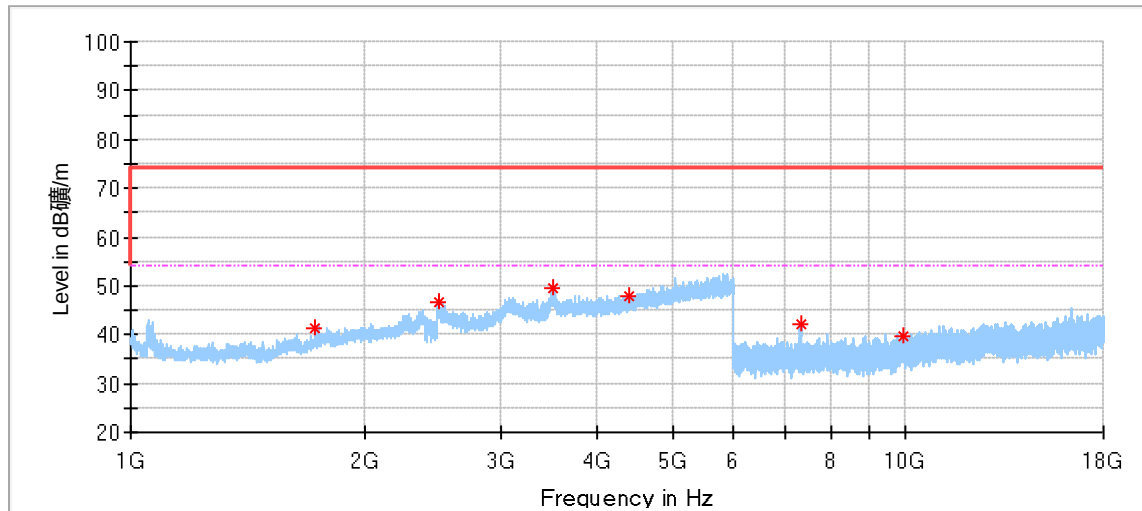


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2028.500000	43.40	74.00	30.60	150.0	H	111.0	-4.16
2517.000000	43.85	74.00	30.15	150.0	H	244.0	-1.73
3062.000000	47.91	74.00	26.09	150.0	H	203.0	1.60
3500.500000	49.45	74.00	24.55	150.0	H	326.0	4.46
6725.500000	39.57	74.00	34.43	150.0	H	28.0	6.12
10879.000000	41.57	74.00	32.43	150.0	H	359.0	10.82

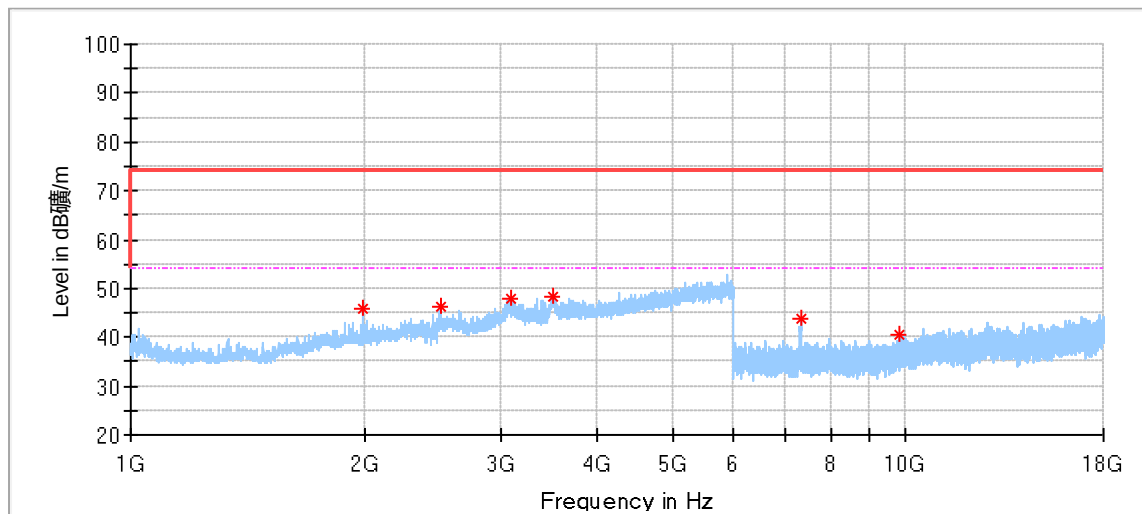


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1994.000000	46.71	74.00	27.29	150.0	V	200.0	-4.09
3079.500000	47.23	74.00	26.77	150.0	V	302.0	1.52
3486.000000	48.22	74.00	25.78	150.0	V	347.0	3.42
4565.500000	49.59	74.00	24.41	150.0	V	241.0	4.33
7635.500000	39.92	74.00	34.08	150.0	V	28.0	6.95
9976.500000	40.65	74.00	33.35	150.0	V	305.0	9.47

11b_2437MHz_ANT_A:

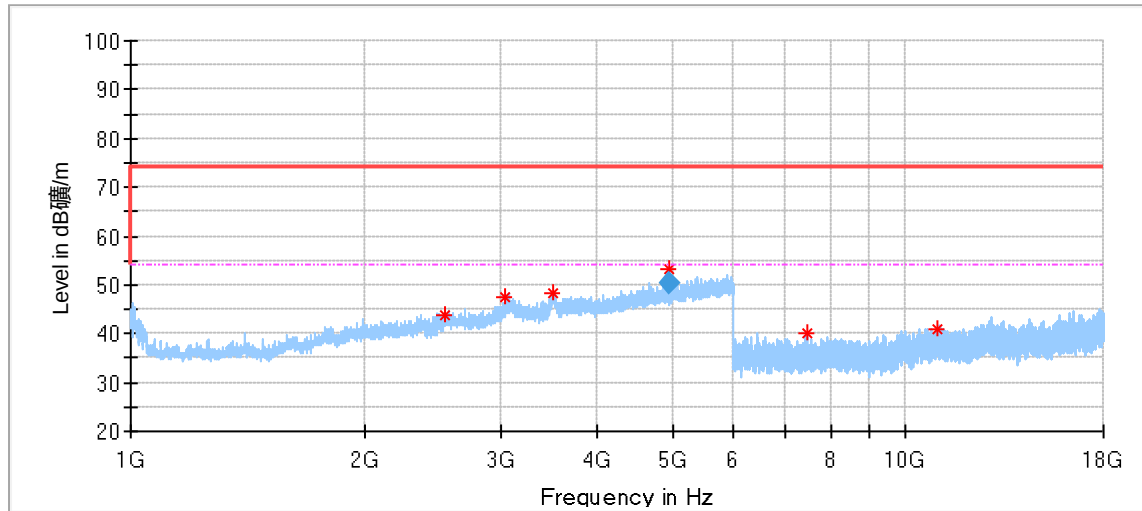


Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1726.500000	41.15	74.00	32.85	150.0	H	167.0	-6.23
2500.000000	46.79	74.00	27.21	150.0	H	4.0	-1.85
3508.000000	49.60	74.00	24.40	150.0	H	54.0	4.08
4408.500000	47.87	74.00	26.13	150.0	H	300.0	3.50
7311.000000	42.10	74.00	31.90	150.0	H	120.0	6.68
9952.000000	39.87	74.00	34.13	150.0	H	266.0	9.41



Frequency (MHz)	MaxPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1993.500000	45.97	74.00	28.03	150.0	V	177.0	-4.10
2507.500000	46.06	74.00	27.94	150.0	V	321.0	-1.80
3097.500000	47.89	74.00	26.11	150.0	V	85.0	1.63
3517.000000	48.44	74.00	25.56	150.0	V	157.0	3.63
7312.500000	43.74	74.00	30.26	150.0	V	180.0	6.69
9802.000000	40.53	74.00	33.47	150.0	V	138.0	9.23

11b_2462MHz_ANT_A:

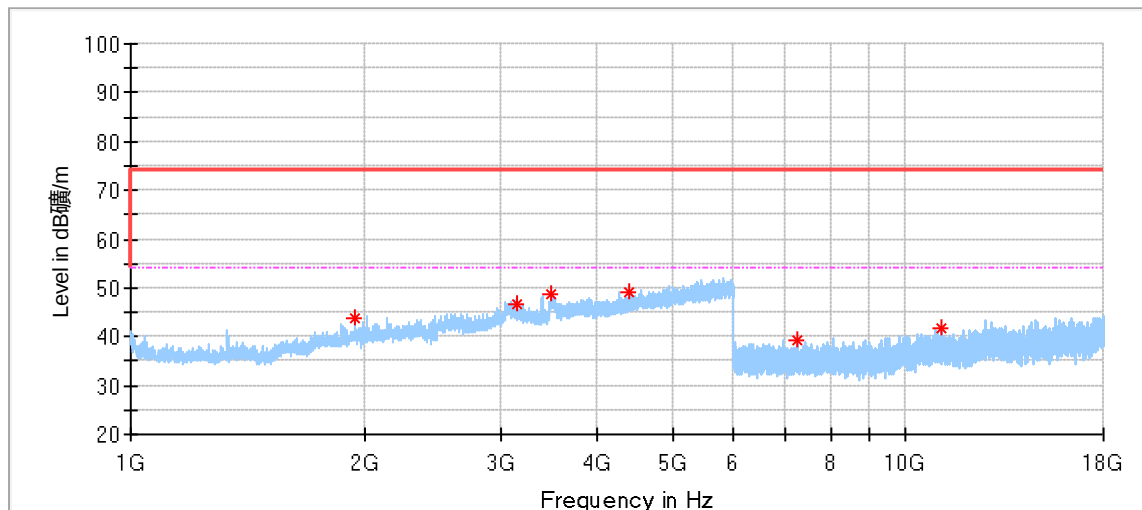


Critical Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2539.500000	43.82	74.00	30.18	150.0	H	337.0	-1.48
3039.000000	47.63	74.00	26.37	150.0	H	224.0	1.31
3514.500000	48.21	74.00	25.79	150.0	H	162.0	3.75
4944.000000	53.15	74.00	20.85	150.0	H	347.0	5.21
7461.000000	40.21	74.00	33.79	150.0	H	219.0	6.66
10956.000000	41.07	74.00	32.93	150.0	H	115.0	10.83

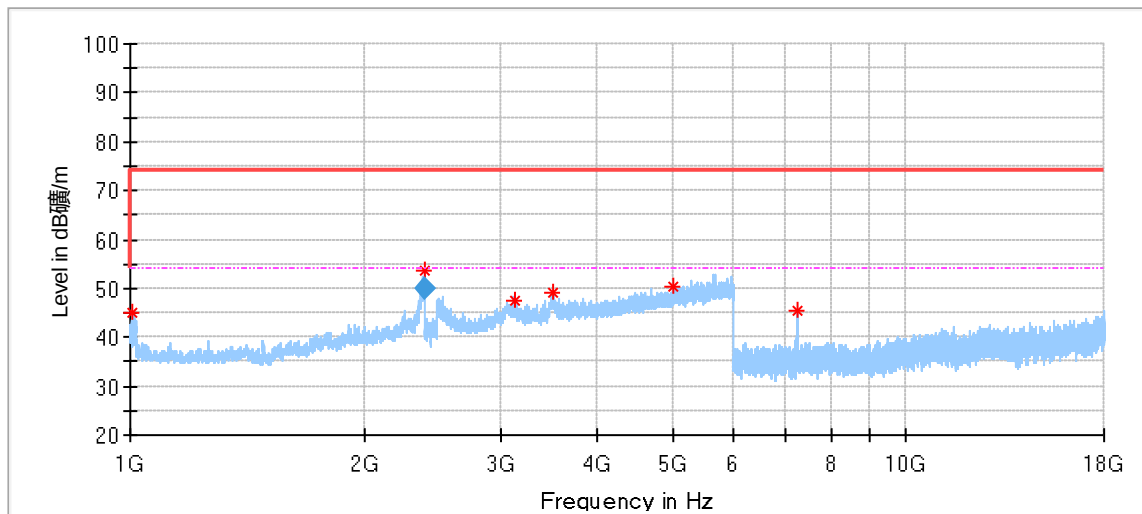
Final Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
4944.000000	50.24	54.00	3.76	150.0	H	347.0	5.21



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1946.500000	43.94	74.00	30.06	150.0	V	181.0	-4.41
3145.500000	46.75	74.00	27.25	150.0	V	140.0	1.06
3490.000000	48.69	74.00	25.31	150.0	V	191.0	3.72
4404.000000	49.31	74.00	24.69	150.0	V	37.0	3.48
7228.500000	39.26	74.00	34.74	150.0	V	115.0	6.40
11111.500000	41.84	74.00	32.16	150.0	V	284.0	11.00

11g_2412MHz_ANT_B:

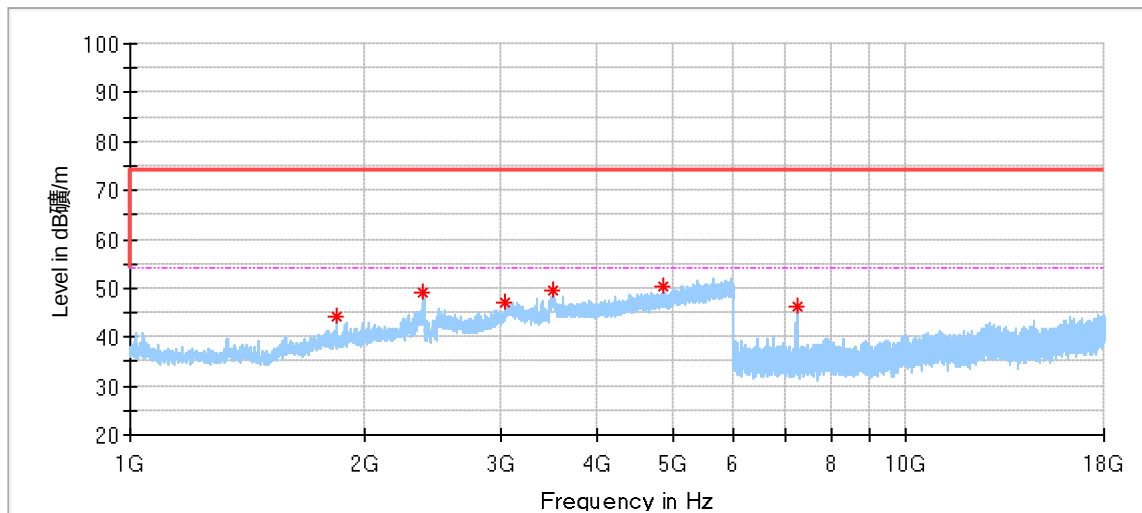


Critical_Freqs

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1003.500000	45.04	74.00	28.96	150.0	H	187.0	-7.90
2391.000000	53.55	74.00	20.45	150.0	H	4.0	-2.44
3136.500000	47.51	74.00	26.49	150.0	H	0.0	1.20
3506.000000	49.00	74.00	25.00	150.0	H	333.0	4.19
5018.000000	50.48	74.00	23.52	150.0	H	333.0	5.59
7232.500000	45.55	74.00	28.45	150.0	H	78.0	6.41

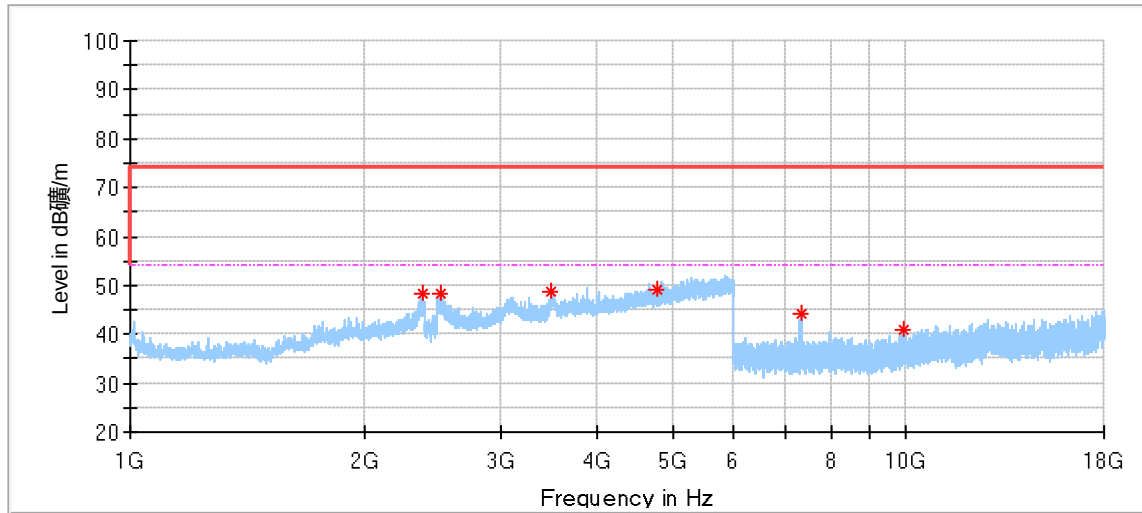
Final_Result

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2391.000000	50.10	54.00	3.90	150.0	H	4.0	-2.44

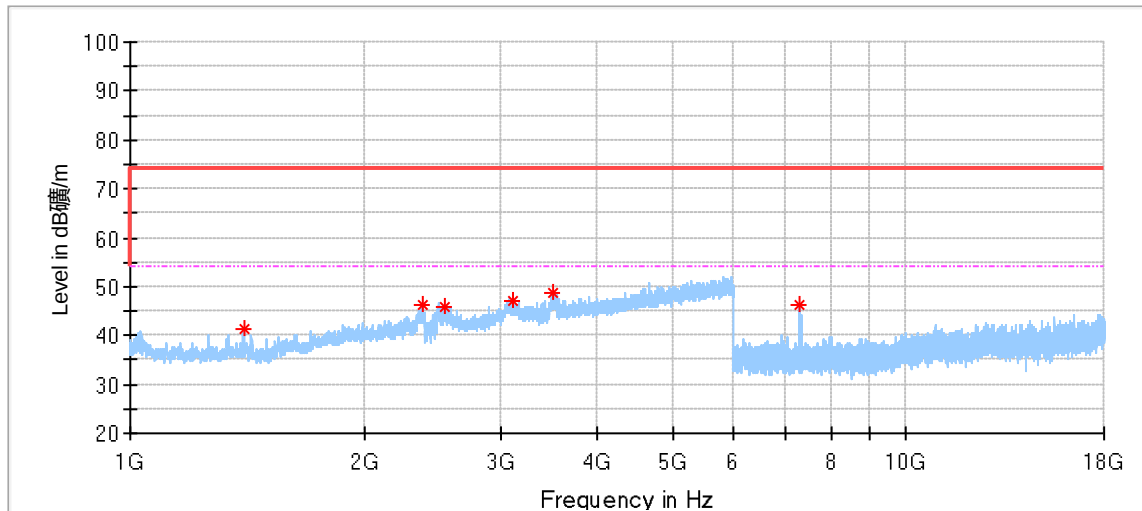


Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1848.000000	44.06	74.00	29.94	150.0	V	208.0	-5.35
2388.500000	49.31	74.00	24.69	150.0	V	300.0	-2.46
3048.000000	47.21	74.00	26.79	150.0	V	167.0	1.62
3503.500000	49.68	74.00	24.32	150.0	V	228.0	4.31
4860.000000	50.21	74.00	23.79	150.0	V	157.0	5.10
7236.500000	46.25	74.00	27.75	150.0	V	138.0	6.42

11g_2437MHz_ANT_B:



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
2386.000000	48.13	74.00	25.87	150.0	H	302.0	-2.48
2510.500000	48.18	74.00	25.82	150.0	H	272.0	-1.78
3492.500000	48.69	74.00	25.31	150.0	H	231.0	3.91
4765.000000	49.27	74.00	24.73	150.0	H	46.0	4.71
7313.500000	44.35	74.00	29.65	150.0	H	138.0	6.69
9904.000000	41.05	74.00	32.95	150.0	H	222.0	9.38



Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
1400.000000	41.32	74.00	32.68	150.0	V	132.0	-7.98
2388.500000	46.37	74.00	27.63	150.0	V	255.0	-2.46
2539.000000	46.00	74.00	28.00	150.0	V	265.0	-1.48
3113.000000	47.08	74.00	26.92	150.0	V	337.0	1.47
3500.000000	48.56	74.00	25.44	150.0	V	356.0	4.48
7306.500000	46.06	74.00	27.94	150.0	V	115.0	6.66