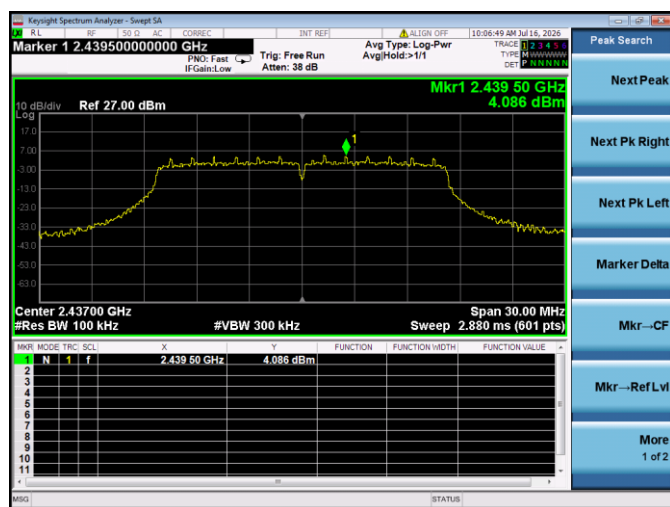
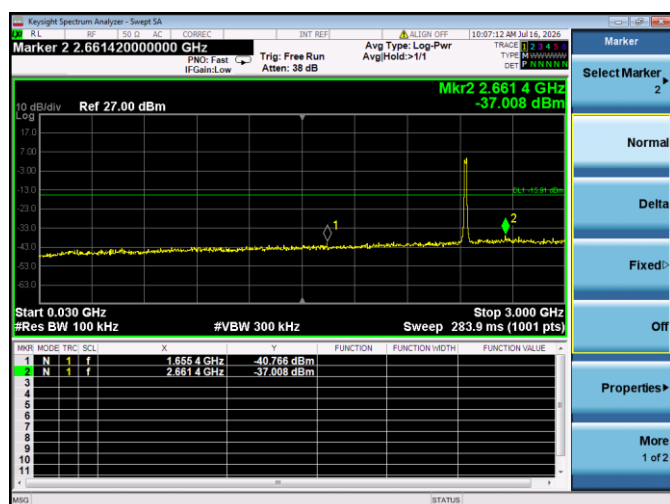
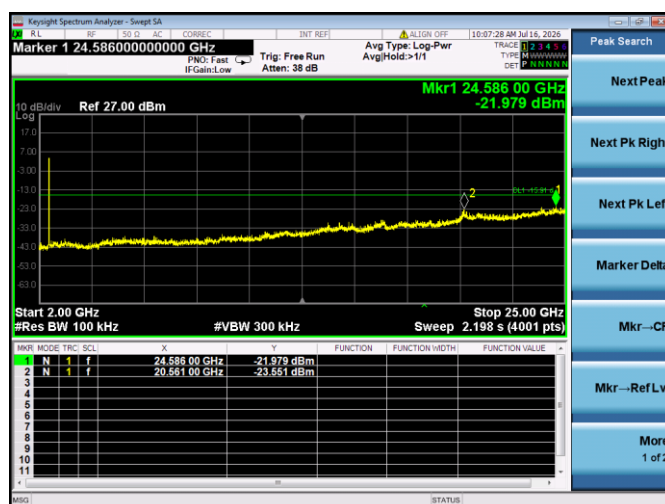
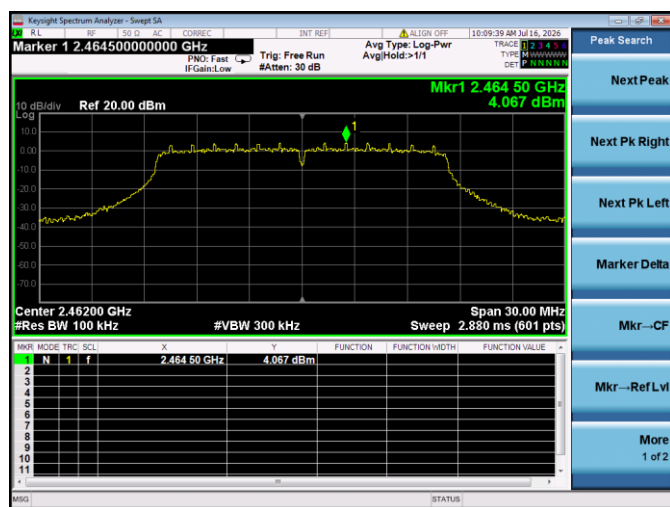
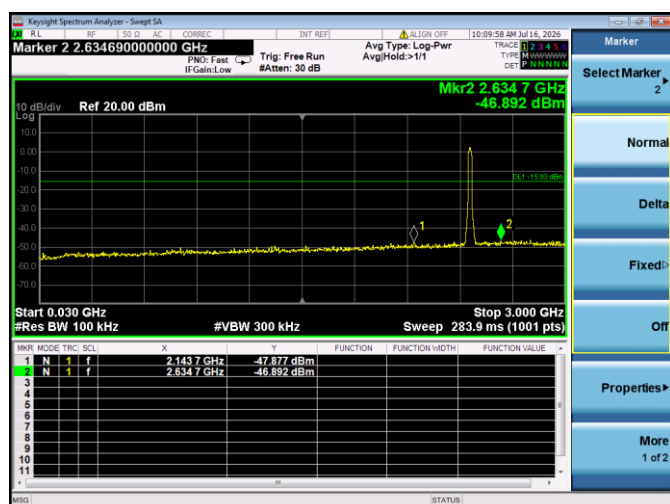
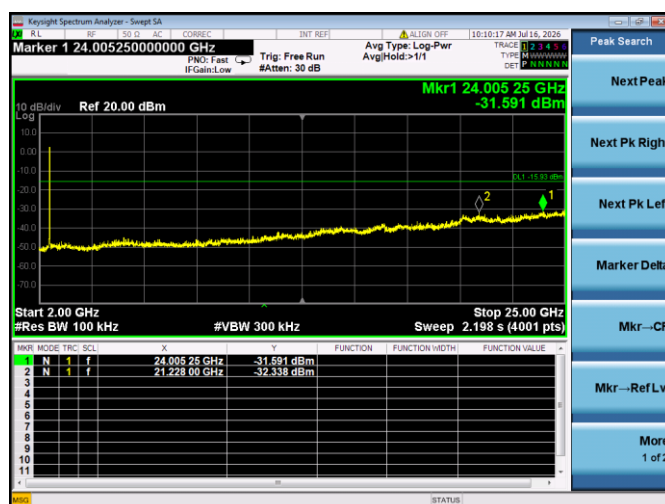


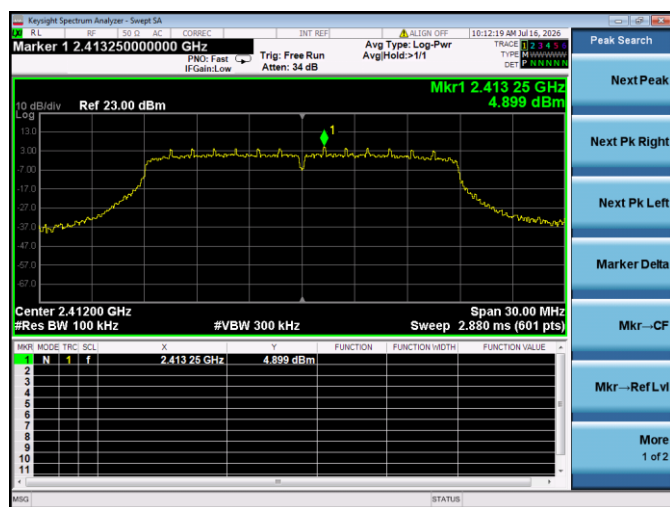
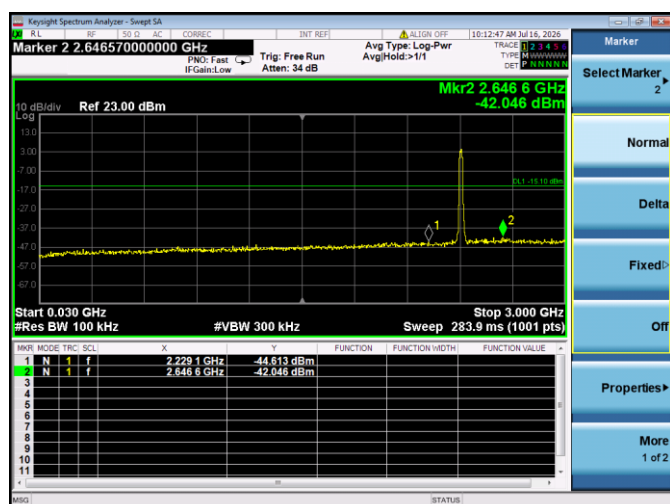
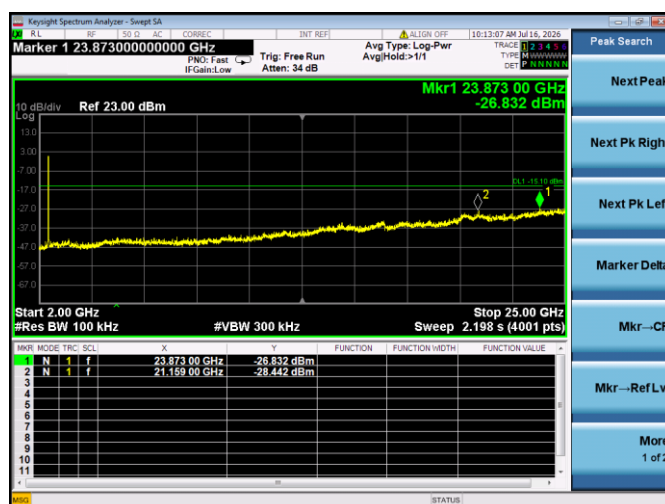
802.11g MIDDLE CHANNEL CARRIER LEVEL

802.11g MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11g HIGH CHANNEL CARRIER LEVEL

802.11g HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11g HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-20 MHz LOW CHANNEL CARRIER LEVEL

802.11n-20 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-20 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

Keysight Spectrum Analyzer - Sweep SA

COGSCB ALIGN OFF 18:14:20 AM Jul 16, 2023

Marker 1 2.438250000000 GHz

Trig: Free Run Avg Type: Log-Pwr
IF Gain: Low #Atten: 30 dB

Span 30.00 MHz
Center 2.43700 GHz
Res BW 100 kHz
Sweep 2.880 ms (601 pts)

Mkr1 2.438 25 GHz
4.714 dBm

10 dB/div Ref 20.00 dBm

Log

1

Next Peak

Next Pk Right

Next Pk Left

Marker Delta

Mkr--CF

Mkr--Ref Lvl

More

1 of 2

SNR	MODE	TRC	SC1	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	2.438 25 GHz	4.714 dBm			
2								
3								
4								
5								
6								
7								
8								
9								
10								
11								

MISC

STATUS

Keysight Spectrum Analyzer - Sweep SA

AL FREQ COORD INT REF

10:14:45 AM Jul 16, 2022

Marker 2 2.691120000000 GHz

Trig: Free Run
#Attain: 30 dB

Avg Type: Log-Pwr
Avg/Hold: >1/f

TRACE 1 2.6911
TYPE M MAX/MIN
DET LP

Ref 20.00 dBm

Log

10 dBmV

10.0

0.00

-10.0

-20.0

-30.0

-40.0

-50.0

-60.0

-70.0

Mkr2 2.6911 GHz
-46.211 dBm

Start 0.030 GHz
#Res BW 100 kHz

Stop 3.000 GHz
Sweep 283.9 ms (1001 pts)

#VBW 300 kHz

MARK	MODE	FREQ	SCN	X	Y	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	N	1	f	1.7611 GHz	-48.457 dBm			
2	N	1	f	2.6911 GHz	-46.211 dBm			

Marker

Select Marker 2

Normal

Delta

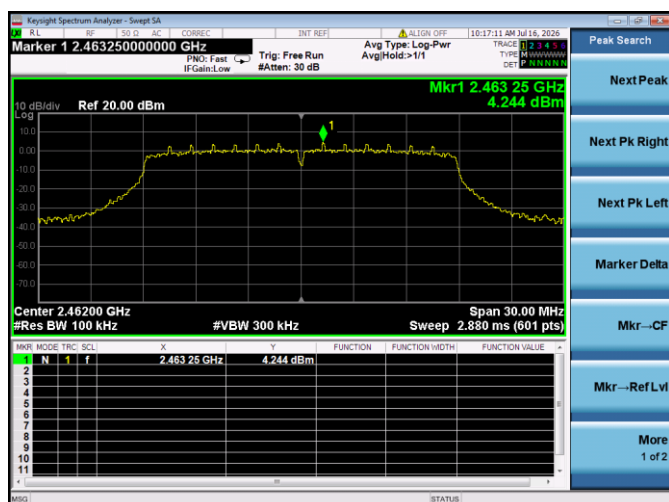
Fixed

Off

Properties

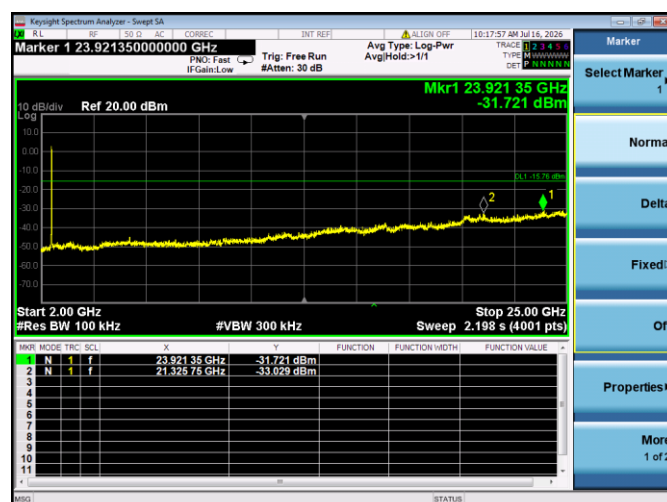
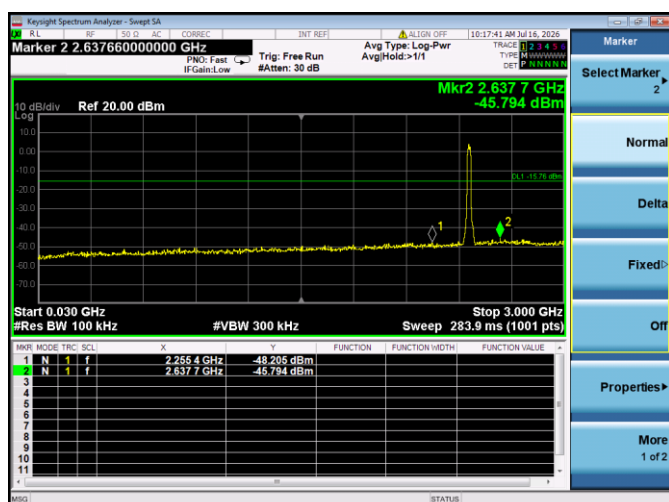
More 1 of 2

[illegible]

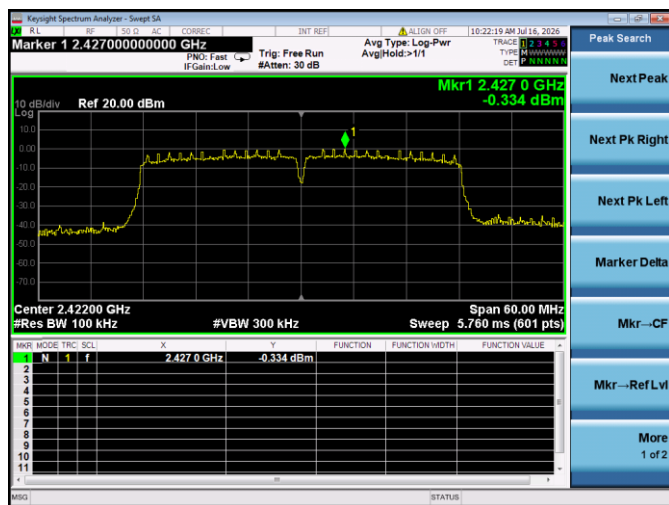
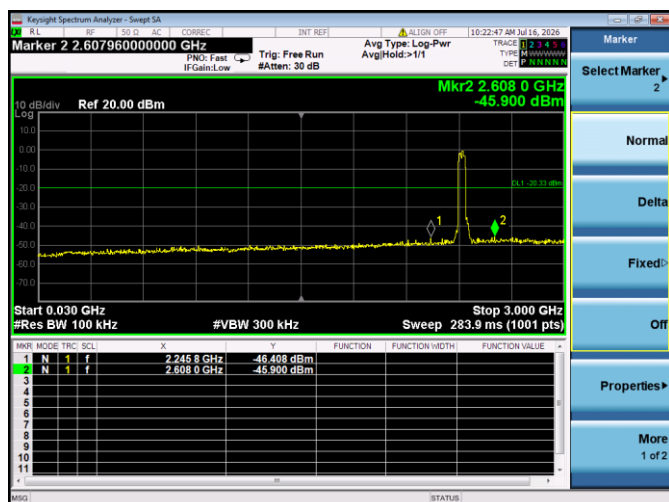
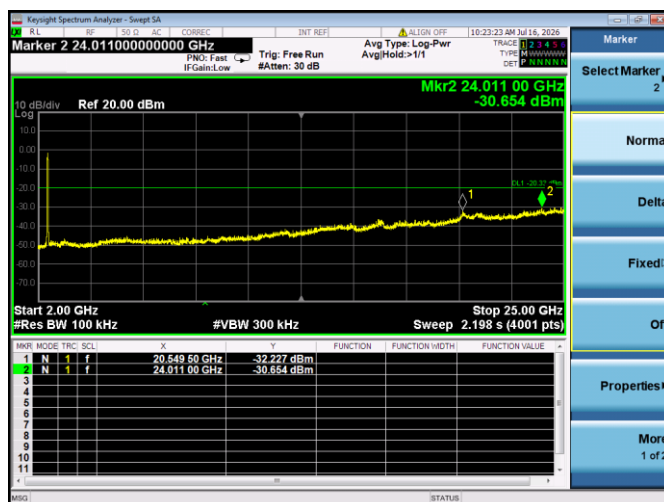


802.11n-20 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz

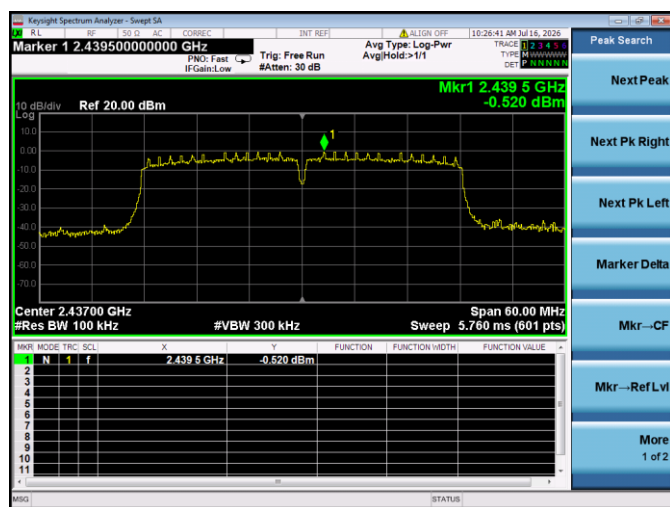
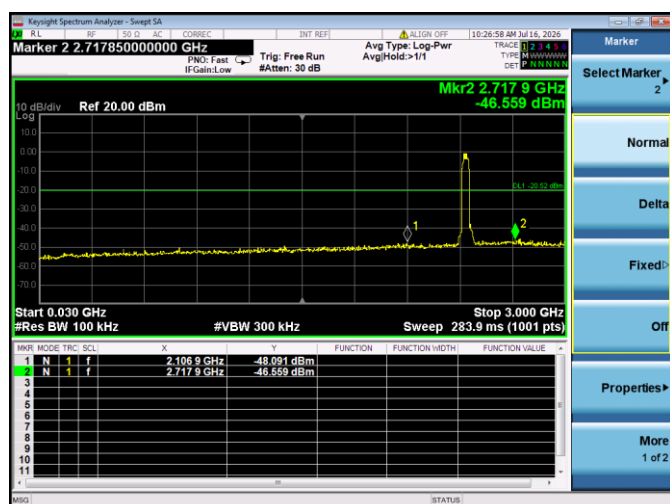
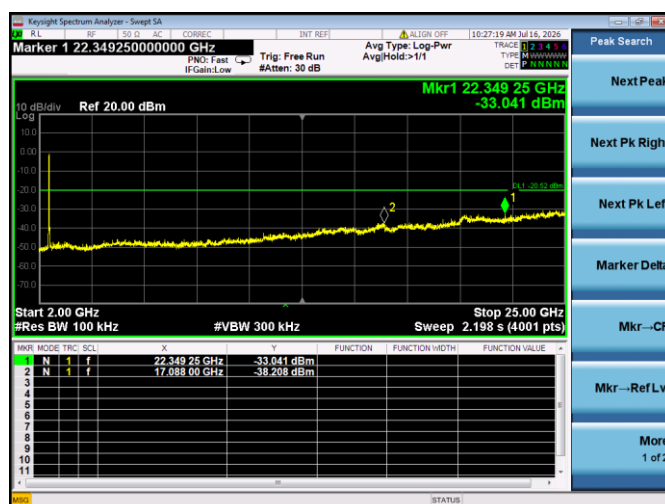
802.11n-20 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz



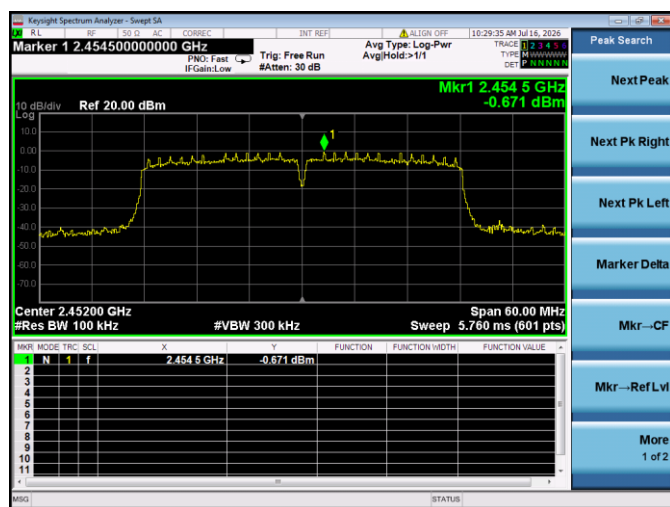
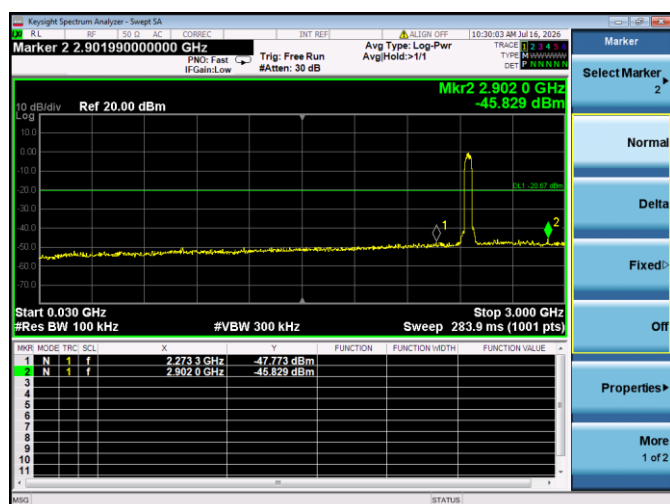
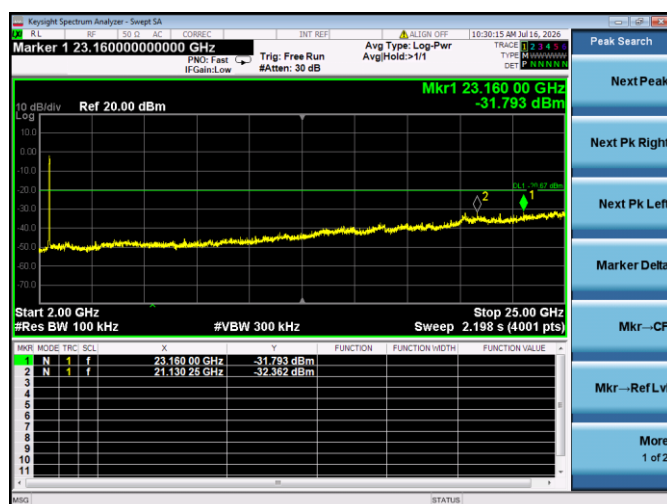
802.11n-40 MHz LOW CHANNEL CARRIER LEVEL

802.11n-40 MHz LOW CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz LOW CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz MIDDLE CHANNEL CARRIER LEVEL

802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz MIDDLE CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

802.11n-40 MHz HIGH CHANNEL CARRIER LEVEL

802.11n-40 MHz HIGH CHANNEL, SPURIOUS
30 MHz ~ 3 GHz802.11n-40 MHz HIGH CHANNEL, SPURIOUS
2 GHz ~ 25 GHz

A.4 Band Edge (Authorized-band band-edge)

Note ¹: The 99% OBW of the fundamental emission is without 2 MHz of the authorized band.

Test Data

802.11b Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-39.28	8.06	-11.94	Pass
High Channel	-46.43	7.60	-12.40	Pass

802.11g Mode:

Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-41.28	3.90	-16.10	Pass
High Channel	-39.80	4.07	-15.93	Pass

802.11n-20 MHz Mode:

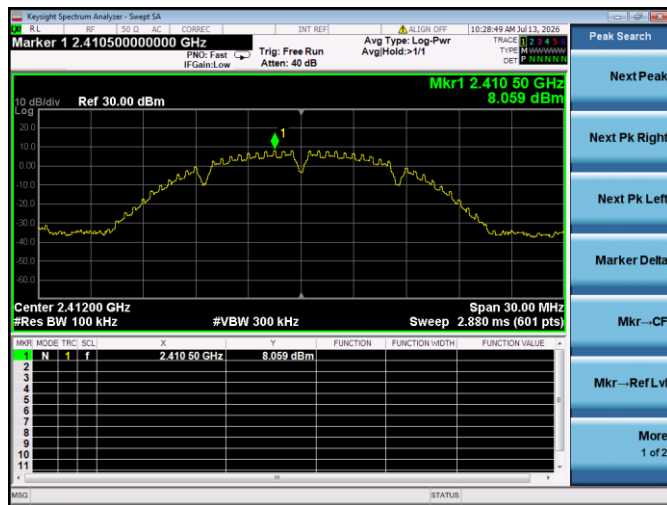
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-40.64	4.90	-15.10	Pass
High Channel	-38.47	4.24	-15.76	Pass

802.11n-40 MHz Mode:

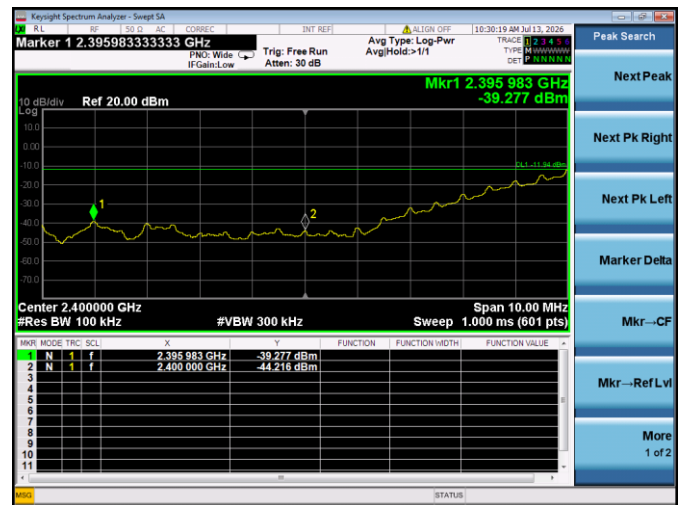
Channel	Measured Max. Band Edge Emission (dBm)	Limit (dBm)		Verdict
		Carrier Level	Calculated 20 dBc Limit	
Low Channel	-48.00	-0.33	-20.33	Pass
High Channel	-40.42	-0.67	-20.67	Pass

Test Plots

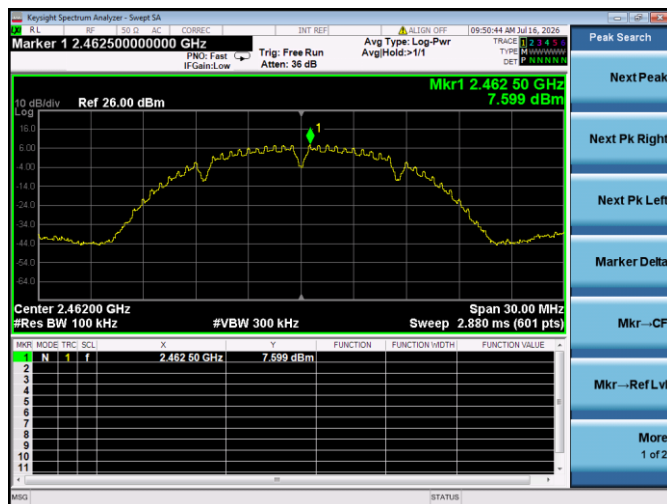
802.11b LOW CHANNEL, CARRIER LEVEL



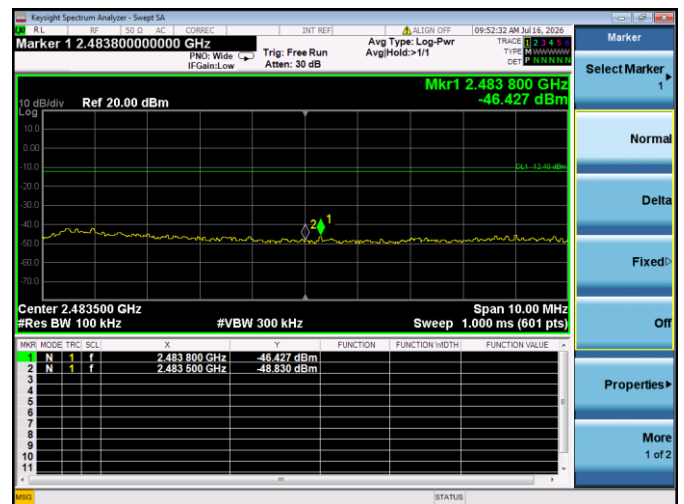
802.11b LOW CHANNEL, BAND EDGE



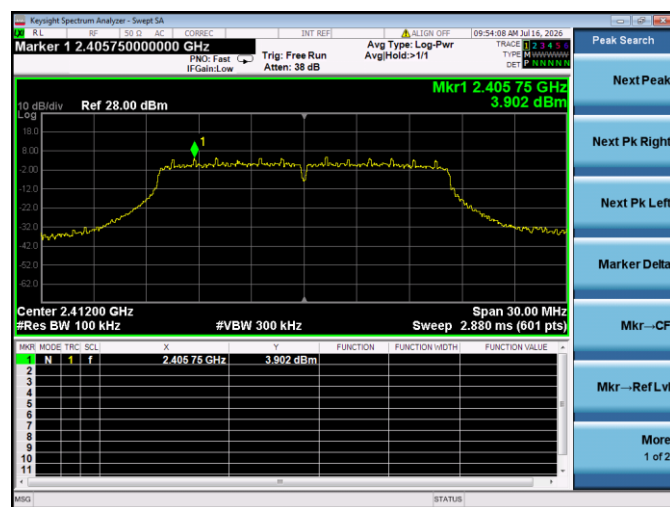
802.11b HIGH CHANNEL, CARRIER LEVEL



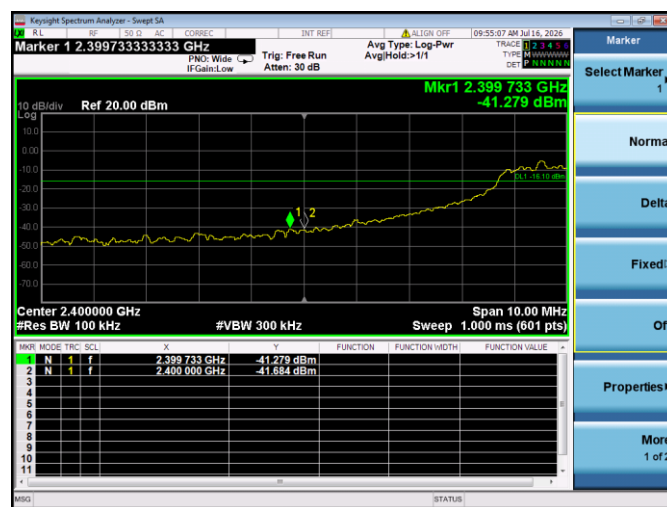
802.11b HIGH CHANNEL, BAND EDGE



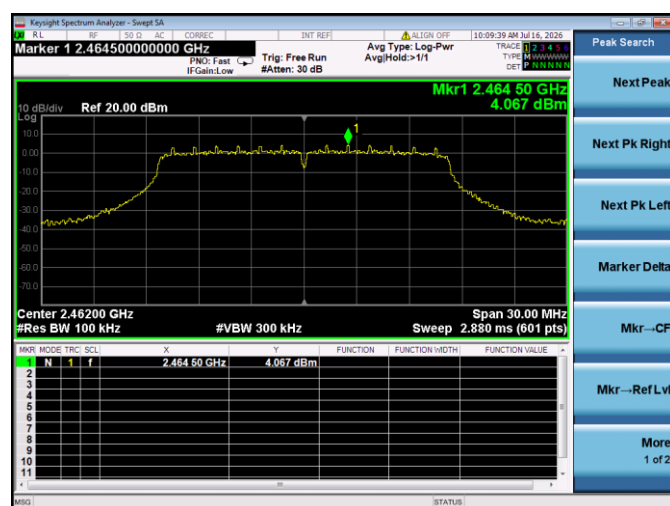
802.11g LOW CHANNEL, CARRIER LEVEL



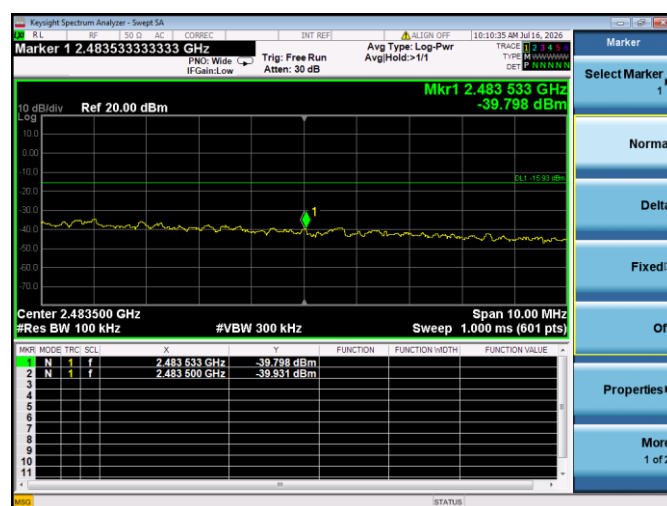
802.11g LOW CHANNEL, BAND EDGE



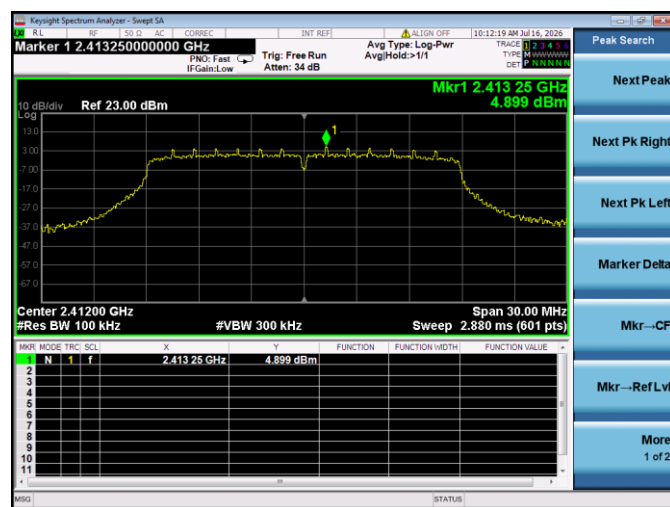
802.11g HIGH CHANNEL, CARRIER LEVEL



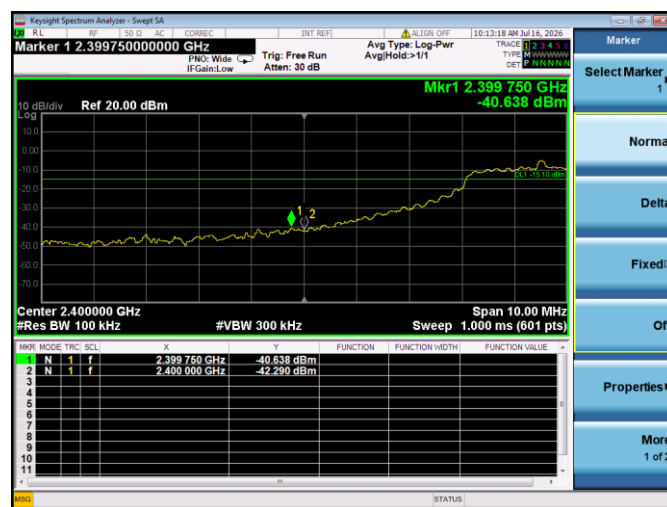
802.11g HIGH CHANNEL, BAND EDGE



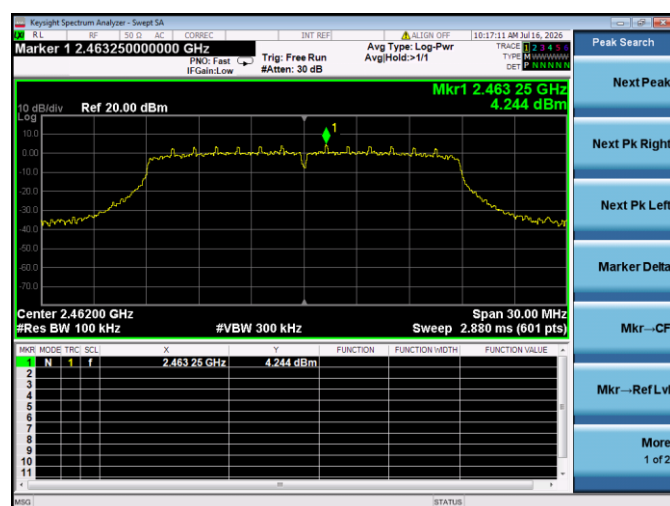
802.11n-20 MHz LOW CHANNEL, CARRIER LEVEL



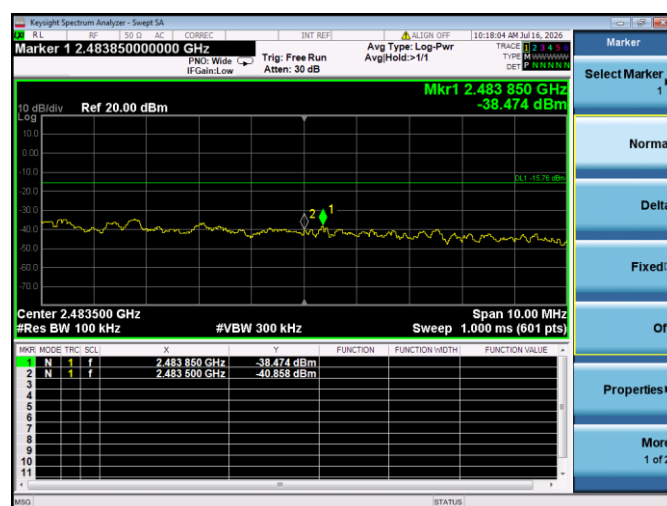
802.11n-20 MHz LOW CHANNEL, BAND EDGE



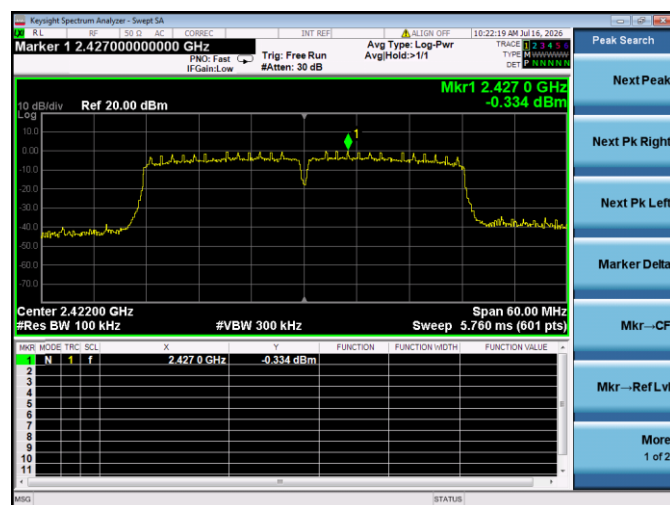
802.11n-20 MHz HIGH CHANNEL, CARRIER LEVEL



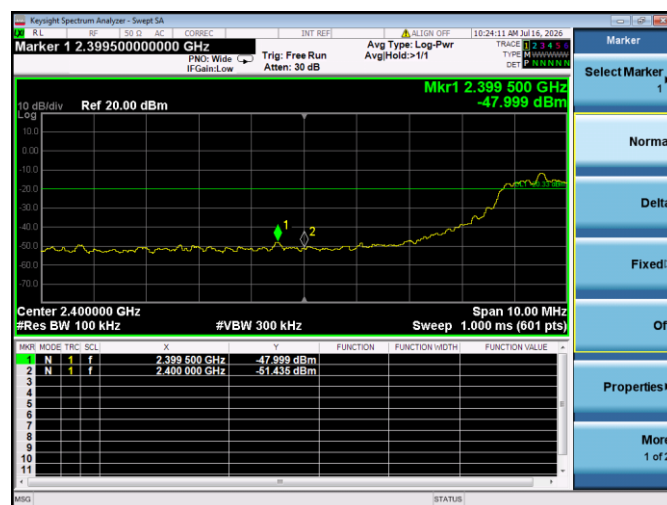
802.11n-20 MHz HIGH CHANNEL, BAND EDGE



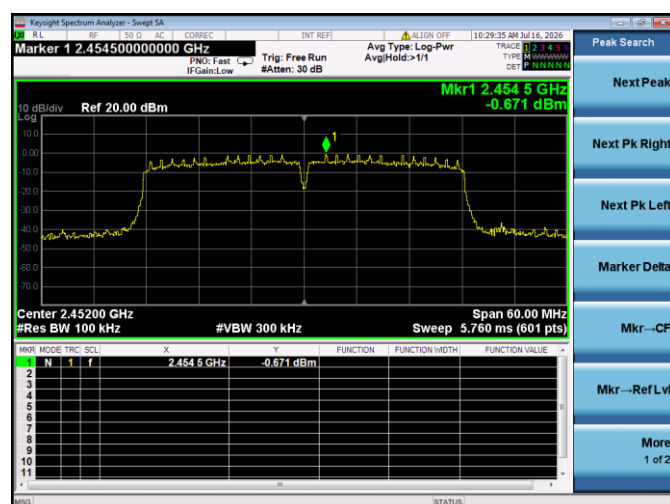
802.11n-40 MHz LOW CHANNEL, CARRIER LEVEL



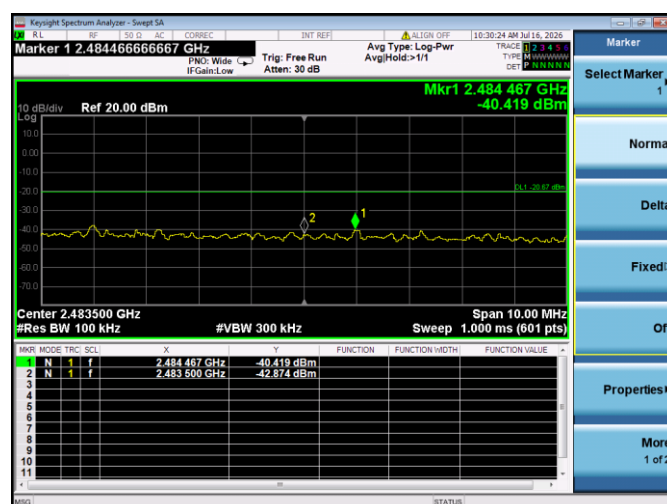
802.11n-40 MHz LOW CHANNEL, BAND EDGE



802.11n-40 MHz HIGH CHANNEL, CARRIER LEVEL



802.11n-40 MHz HIGH CHANNEL, BAND EDGE



A.5 Conducted Emissions

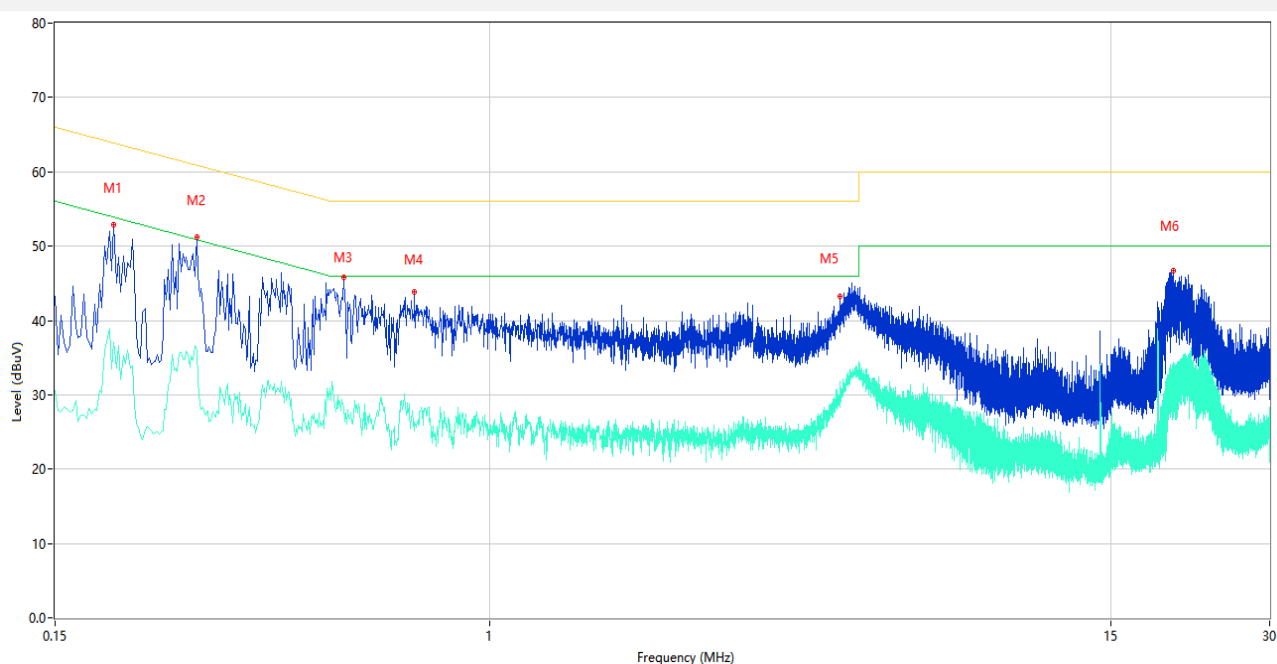
Note¹: The EUT is working in the Normal link mode. All modes have been tested and normal link mode is worst.

Note²: Devices subject to Part 15 must be tested for all available U.S. voltages and frequencies (such as a nominal 120 VAC, 60 Hz and 240 VAC, 50 Hz) for which the device is capable of operation. So, The configuration 120 VAC, 60 Hz and 240 VAC, 50 Hz were tested respectively, but only the worst configuration (120 VAC, 60 Hz) shown here.

Note³: Results (dBuV) = Original reading level of Spectrum Analyzer (dBuV) + Factor (dB)

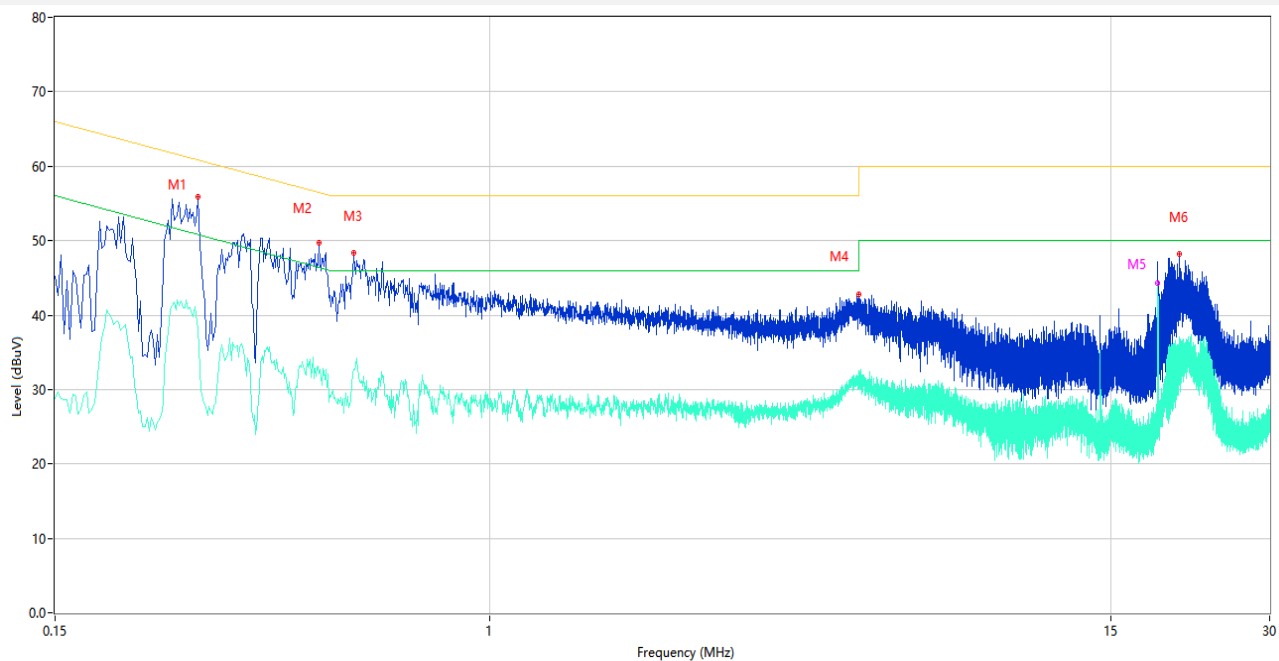
Test Data and Plots

PHASE L



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.194	52.91	10.22	63.86	10.95	Peak	L	Pass
1**	0.194	37.05	10.22	53.86	16.81	AV	L	Pass
2	0.278	51.20	10.23	60.88	9.68	Peak	L	Pass
2**	0.278	36.21	10.23	50.88	14.67	AV	L	Pass
3	0.528	45.81	10.26	56.00	10.19	Peak	L	Pass
3**	0.528	28.34	10.26	46.00	17.66	AV	L	Pass
4	0.720	43.84	10.27	56.00	12.16	Peak	L	Pass
4**	0.720	26.33	10.27	46.00	19.67	AV	L	Pass
5	4.610	43.25	11.03	56.00	12.75	Peak	L	Pass
5**	4.610	30.30	11.03	46.00	15.70	AV	L	Pass
6	19.678	46.68	14.99	60.00	13.32	Peak	L	Pass
6**	19.678	29.09	14.99	50.00	20.91	AV	L	Pass

PHASE N



No.	Frequency (MHz)	Results (dBuV)	Factor (dB)	Limit (dBuV)	Margin (dB)	Detector	Line	Verdict
1	0.280	55.91	10.22	60.82	4.91	Peak	N	Pass
1**	0.280	38.29	10.22	50.82	12.53	AV	N	Pass
2	0.474	49.67	10.23	56.44	6.77	Peak	N	Pass
2**	0.474	32.15	10.23	46.44	14.29	AV	N	Pass
3	0.552	48.39	10.24	56.00	7.61	Peak	N	Pass
3**	0.552	32.67	10.24	46.00	13.33	AV	N	Pass
4	4.988	42.71	11.11	56.00	13.29	Peak	N	Pass
4**	4.988	31.63	11.11	46.00	14.37	AV	N	Pass
5	18.432	47.15	14.76	60.00	12.85	Peak	N	Pass
5**	18.432	44.27	14.76	50.00	5.73	AV	N	Pass
6	20.258	48.24	15.21	60.00	11.76	Peak	N	Pass
6**	20.258	37.12	15.21	50.00	12.88	AV	N	Pass

A.6 Radiated Emission

Note ¹: The symbol of “--” in the table which means not application.

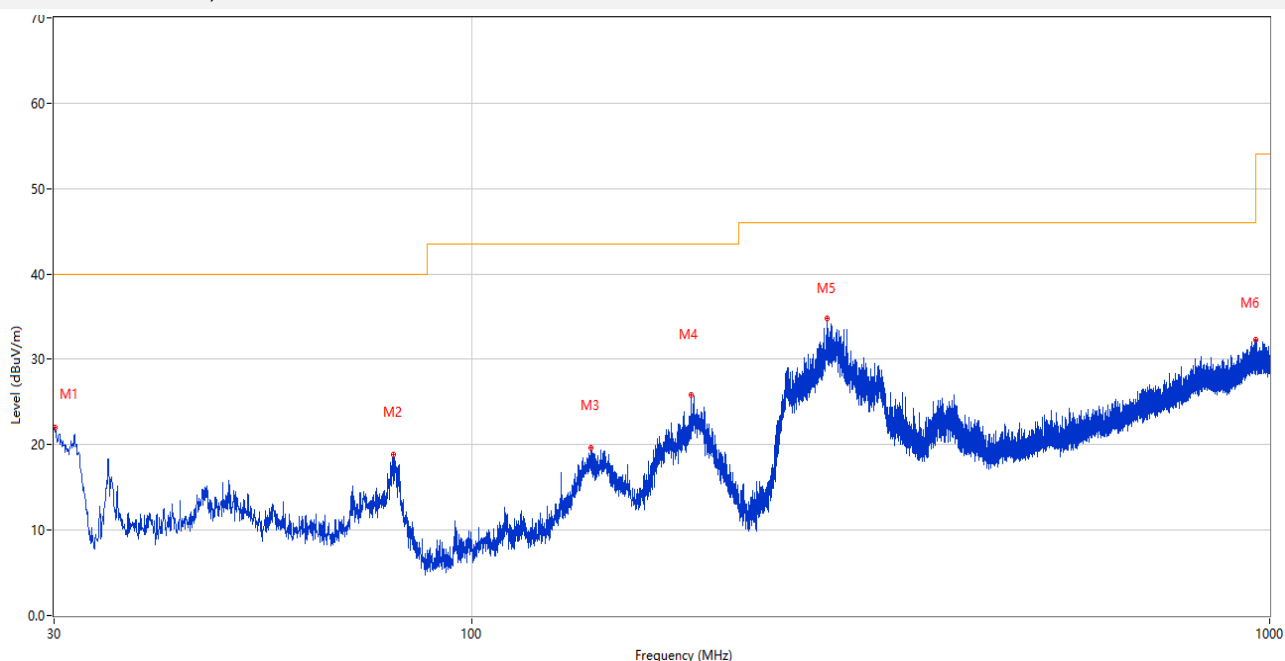
Note ²: For the test data above 1 GHz, According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ³: The low frequency, which started from 9 kHz to 30 MHz, was pre-scanned and the result which was 20 dB lower than the limit line per 15.31(o) was not reported.

Note ⁴: The EUT is working in the Normal link mode below 1 GHz. All modes have been tested and normal link mode is worst.

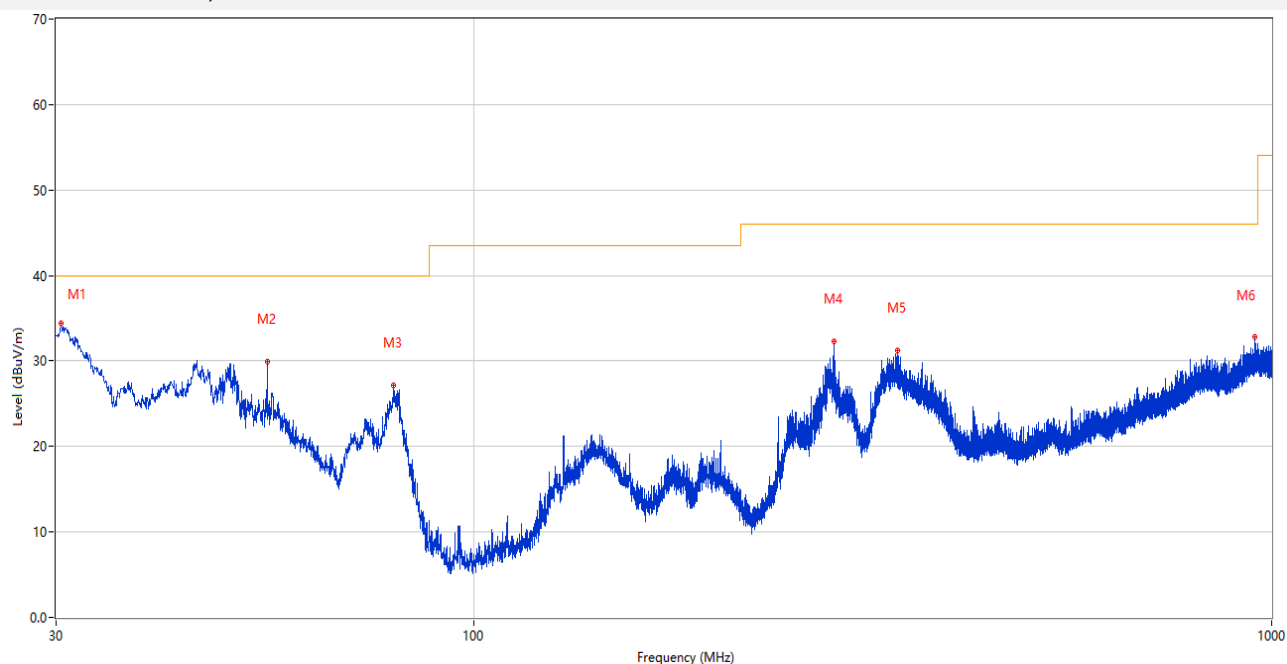
Test Data and Plots

30 MHz to 1 GHz, ANT H



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.049	22.03	40.0	17.97	Peak	287.00	100	Horizontal	Pass
2	79.955	18.88	40.0	21.12	Peak	341.00	100	Horizontal	Pass
3	141.307	19.64	43.5	23.86	Peak	317.00	100	Horizontal	Pass
4	188.643	25.85	43.5	17.65	Peak	91.00	100	Horizontal	Pass
5	278.853	34.75	46.0	11.25	Peak	85.00	100	Horizontal	Pass
6	960.666	32.27	54.0	21.73	Peak	317.00	100	Horizontal	Pass

30 MHz to 1 GHz, ANT V

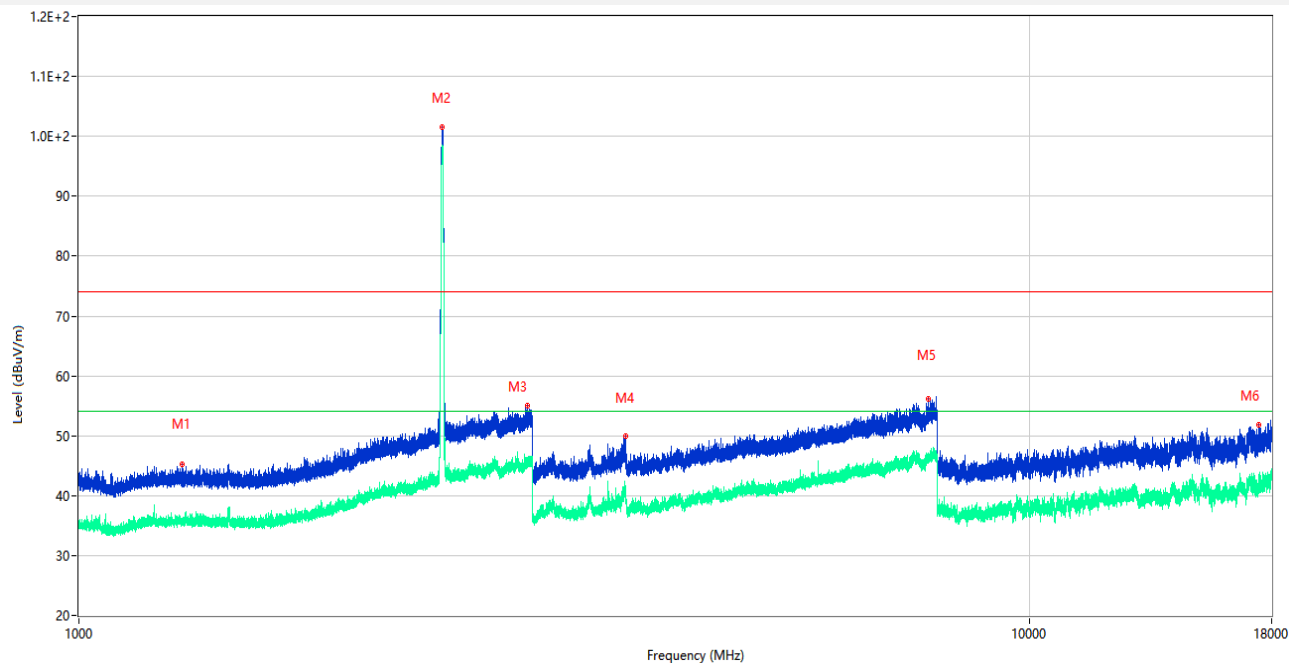


No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	30.436	34.45	40.0	5.55	Peak	1.00	100	Vertical	Pass
2	55.172	29.96	40.0	10.04	Peak	63.00	100	Vertical	Pass
3	79.422	27.17	40.0	12.83	Peak	0.00	100	Vertical	Pass
4	283.315	32.32	46.0	13.68	Peak	130.00	100	Vertical	Pass
5	340.303	31.27	46.0	14.73	Peak	137.00	100	Vertical	Pass
6	951.451	32.87	46.0	13.13	Peak	317.00	100	Vertical	Pass

Note¹: The marked spikes near 2400 MHz with circle should be ignored because they are Fundamental signal.

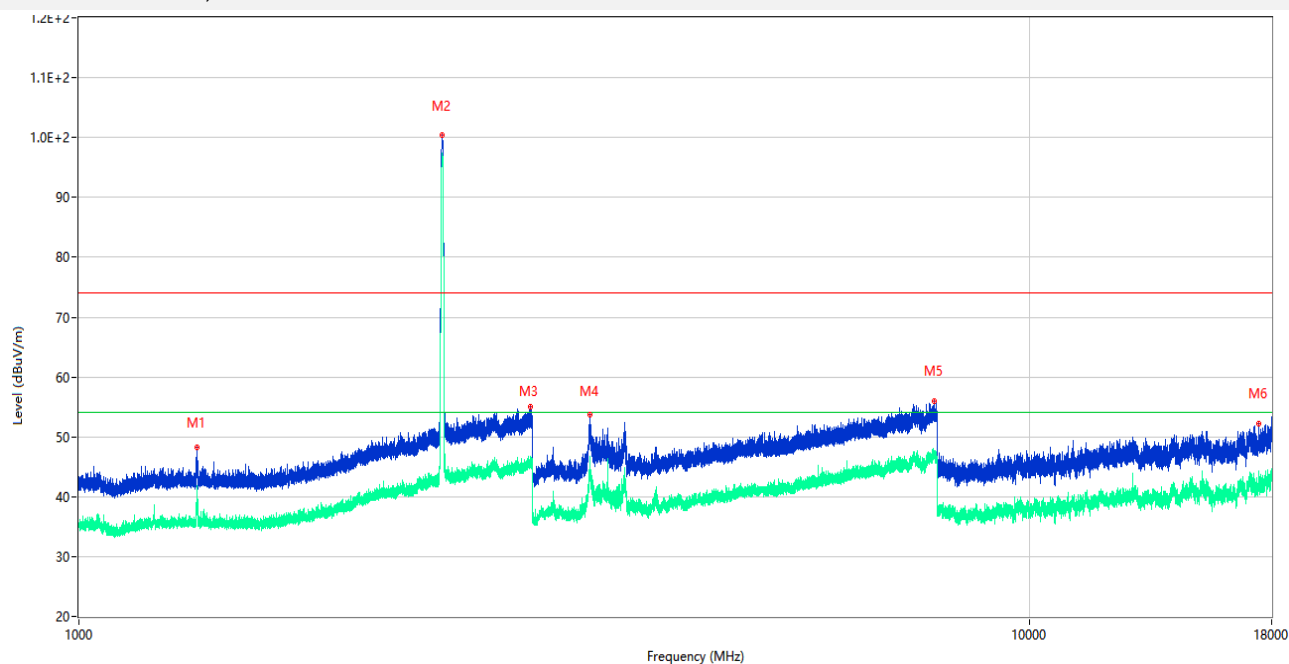
Note²: The spurious above 18G is noise only, do not show on the report.

1 GHz to 18 GHz, ANT H 802.11b Low Channel



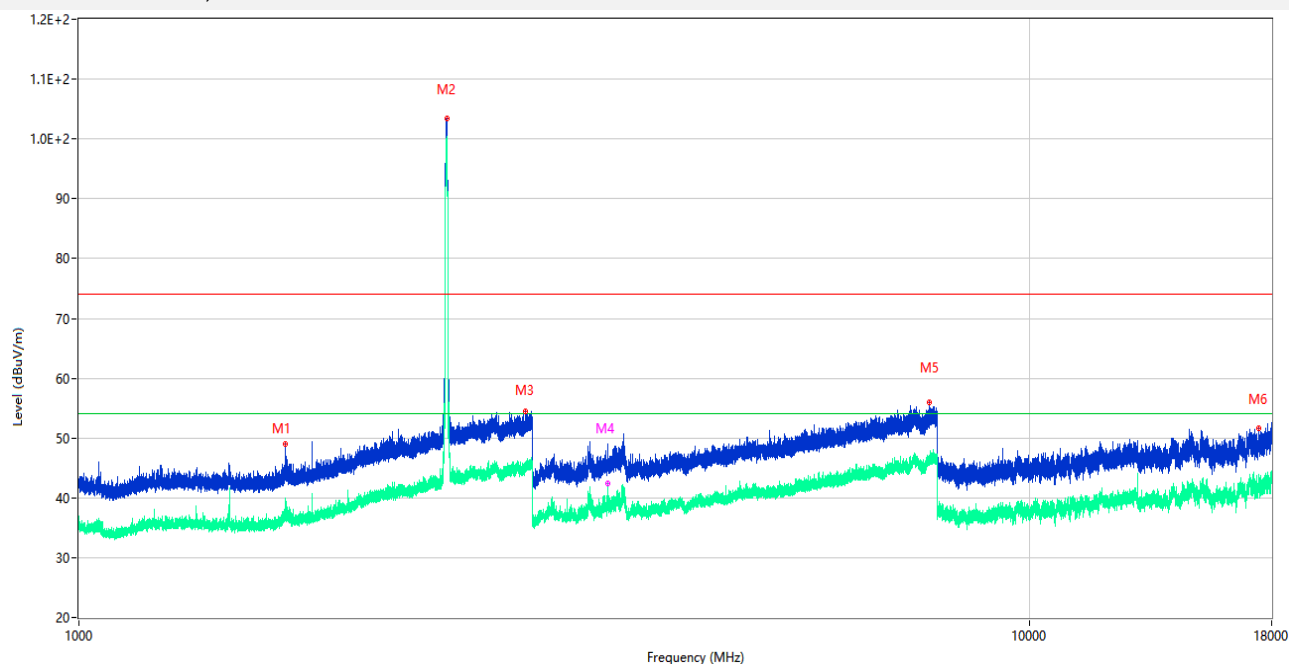
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1283.300	45.24	74.0	28.76	Peak	264.00	200	Horizontal	Pass
1**	1283.300	35.18	54.0	18.82	AV	264.00	200	Horizontal	Pass
2	2413.300	101.49	--	--	Peak	121.00	400	Horizontal	N/A
2**	2413.300	98.54	--	--	AV	121.00	400	Horizontal	N/A
3	2968.500	55.03	74.0	18.97	Peak	158.00	100	Horizontal	Pass
3**	2968.500	45.46	54.0	8.54	AV	158.00	100	Horizontal	Pass
4	3759.250	49.87	74.0	24.13	Peak	352.00	100	Horizontal	Pass
4**	3759.250	40.53	54.0	13.47	AV	352.00	100	Horizontal	Pass
5	7840.500	56.13	74.0	17.87	Peak	246.00	100	Horizontal	Pass
5**	7840.500	45.83	54.0	8.17	AV	246.00	100	Horizontal	Pass
6	17443.762	51.74	74.0	22.26	Peak	300.00	200	Horizontal	Pass
6**	17443.762	42.02	54.0	11.98	AV	300.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Low Channel



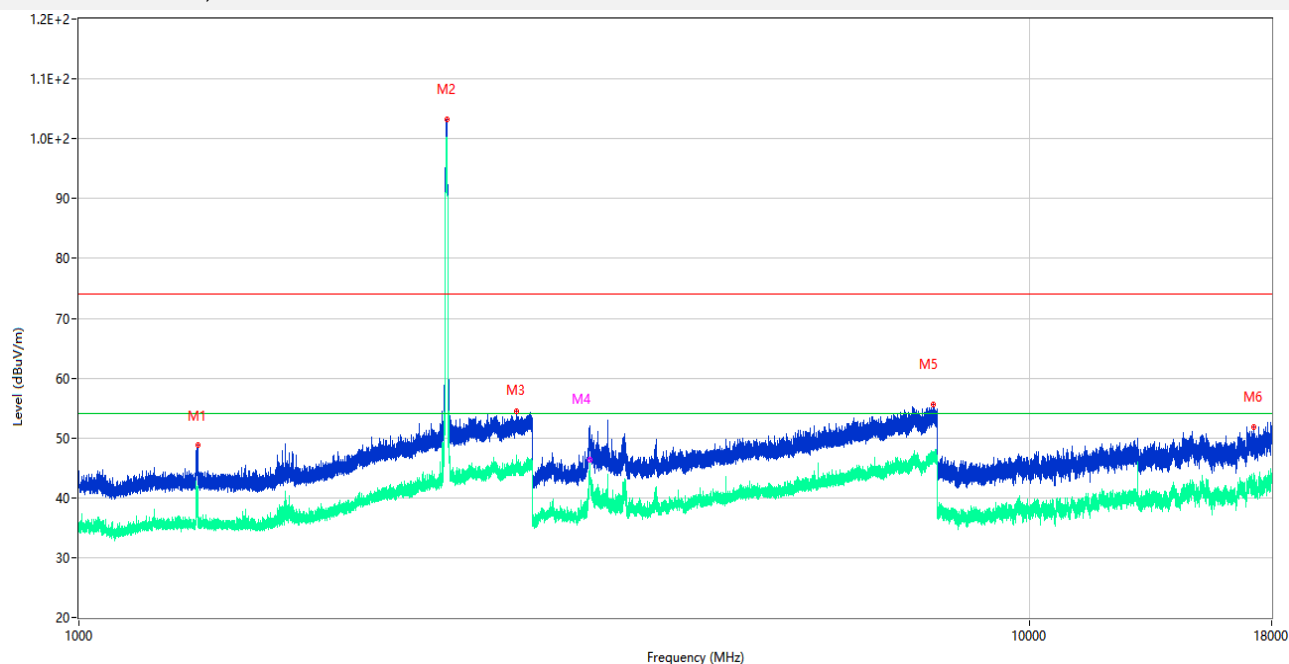
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1331.900	48.19	74.0	25.81	Peak	142.00	100	Vertical	Pass
1**	1331.900	39.82	54.0	14.18	AV	142.00	100	Vertical	Pass
2	2412.100	100.36	--	--	Peak	127.00	300	Vertical	N/A
2**	2412.100	96.22	--	--	AV	127.00	300	Vertical	N/A
3	2985.300	55.11	74.0	18.89	Peak	21.00	200	Vertical	Pass
3**	2985.300	45.74	54.0	8.26	AV	21.00	200	Vertical	Pass
4	3448.750	53.69	74.0	20.31	Peak	65.00	400	Vertical	Pass
4**	3448.750	43.37	54.0	10.63	AV	65.00	400	Vertical	Pass
5	7944.250	55.88	74.0	18.12	Peak	171.00	100	Vertical	Pass
5**	7944.250	47.05	54.0	6.95	AV	171.00	100	Vertical	Pass
6	17458.199	52.23	74.0	21.77	Peak	63.00	400	Vertical	Pass
6**	17458.199	41.89	54.0	12.11	AV	63.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b Middle Channel



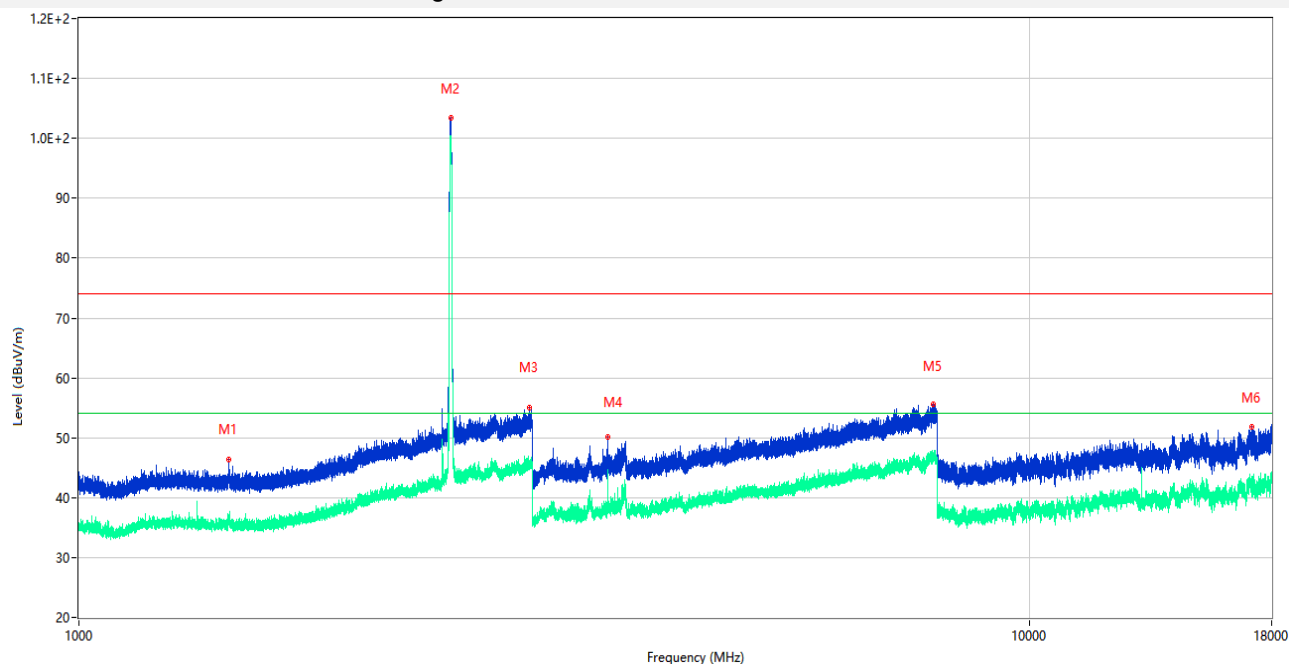
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1650.900	48.93	74.0	25.07	Peak	238.00	100	Horizontal	Pass
1**	1650.900	39.69	54.0	14.31	AV	238.00	100	Horizontal	Pass
2	2438.400	103.38	--	--	Peak	116.00	200	Horizontal	N/A
2**	2438.400	100.39	--	--	AV	116.00	200	Horizontal	N/A
3	2951.300	54.54	74.0	19.46	Peak	29.00	200	Horizontal	Pass
3**	2951.300	44.78	54.0	9.22	AV	29.00	200	Horizontal	Pass
4	3600.750	45.88	74.0	28.12	Peak	9.00	100	Horizontal	Pass
4**	3600.750	42.45	54.0	11.55	AV	9.00	100	Horizontal	Pass
5	7847.500	55.95	74.0	18.05	Peak	0.00	100	Horizontal	Pass
5**	7847.500	46.01	54.0	7.99	AV	0.00	100	Horizontal	Pass
6	17454.524	51.58	74.0	22.42	Peak	180.00	200	Horizontal	Pass
6**	17454.524	42.03	54.0	11.97	AV	180.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b Middle Channel



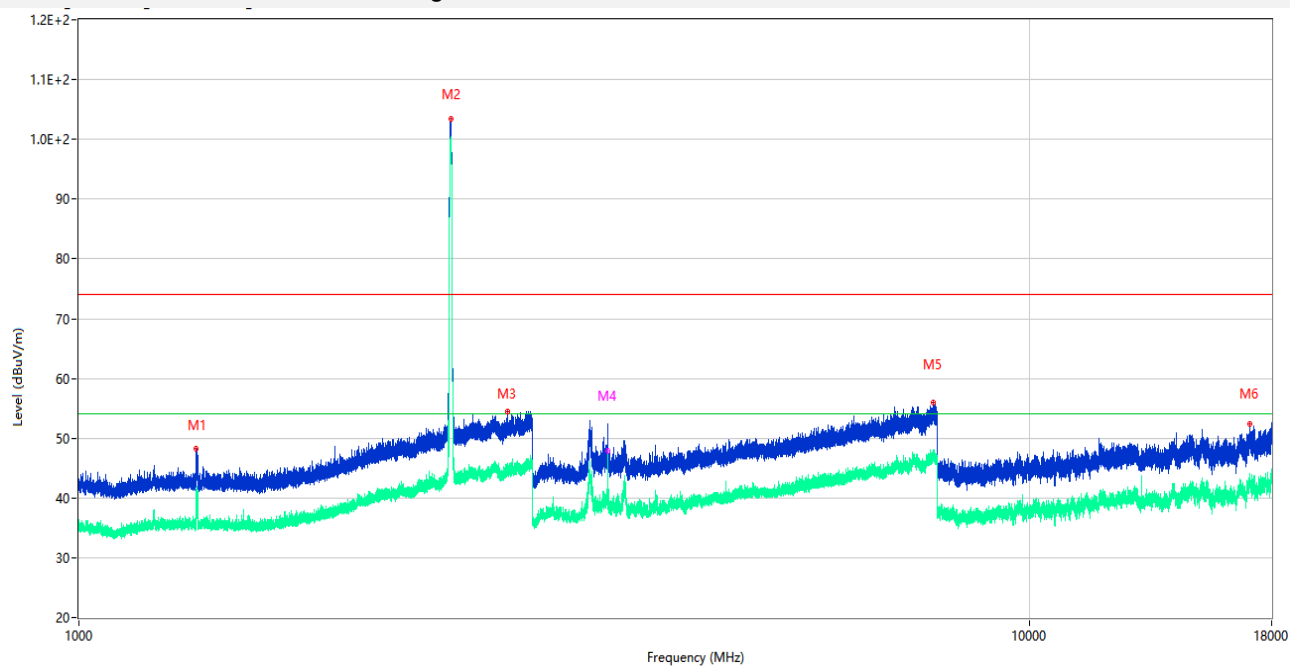
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.000	48.78	74.0	25.22	Peak	133.00	300	Vertical	Pass
1**	1333.000	41.01	54.0	12.99	AV	133.00	300	Vertical	Pass
2	2438.300	103.24	--	--	Peak	133.00	400	Vertical	N/A
2**	2438.300	100.30	--	--	AV	133.00	400	Vertical	N/A
3	2890.100	54.45	74.0	19.55	Peak	67.00	300	Vertical	Pass
3**	2890.100	44.91	54.0	9.09	AV	67.00	300	Vertical	Pass
4	3449.000	51.95	74.0	22.05	Peak	82.00	100	Vertical	Pass
4**	3449.000	46.35	54.0	7.65	AV	82.00	100	Vertical	Pass
5	7922.000	55.63	74.0	18.37	Peak	284.00	100	Vertical	Pass
5**	7922.000	46.28	54.0	7.72	AV	284.00	100	Vertical	Pass
6	17251.088	51.88	74.0	22.12	Peak	136.00	200	Vertical	Pass
6**	17251.088	42.46	54.0	11.54	AV	136.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11b High Channel



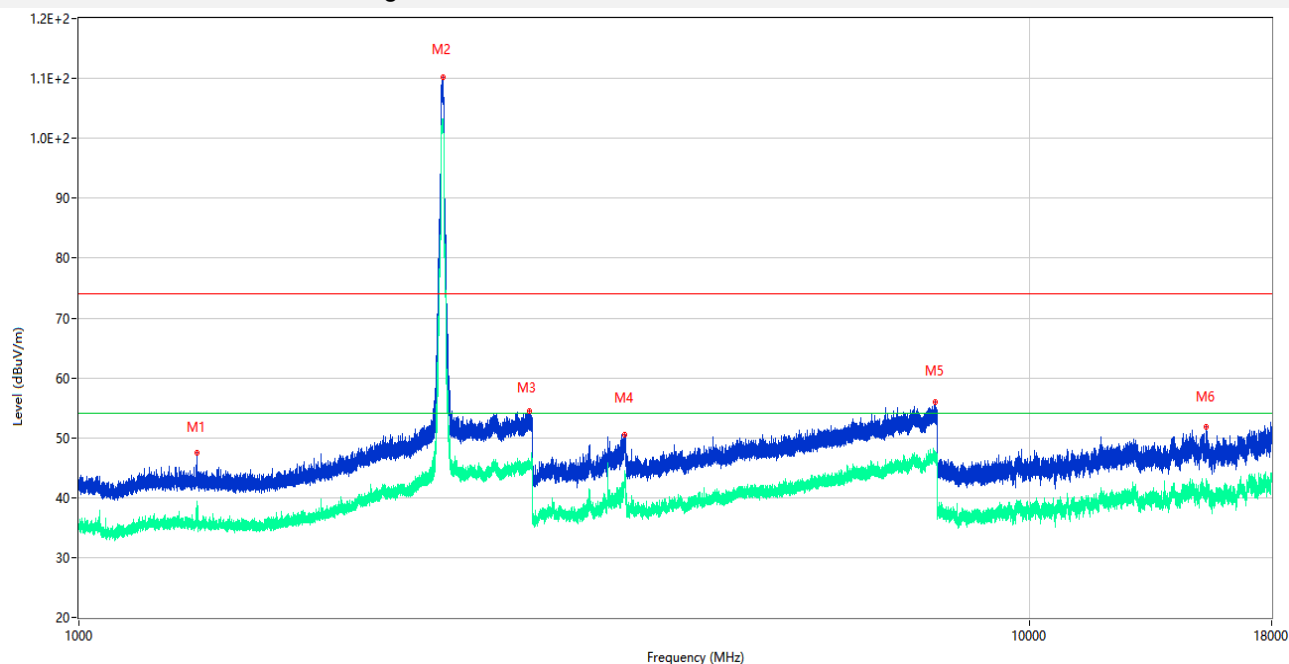
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1437.500	46.32	74.0	27.68	Peak	180.00	400	Horizontal	Pass
1**	1437.500	36.91	54.0	17.09	AV	180.00	400	Horizontal	Pass
2	2462.000	103.33	--	--	Peak	126.00	100	Horizontal	N/A
2**	2462.000	99.03	--	--	AV	126.00	100	Horizontal	N/A
3	2981.200	54.96	74.0	19.04	Peak	93.00	100	Horizontal	Pass
3**	2981.200	45.37	54.0	8.63	AV	93.00	100	Horizontal	Pass
4	3600.000	50.04	74.0	23.96	Peak	0.00	100	Horizontal	Pass
4**	3600.000	44.69	54.0	9.31	AV	0.00	100	Horizontal	Pass
5	7930.250	55.67	74.0	18.33	Peak	35.00	100	Horizontal	Pass
5**	7930.250	47.20	54.0	6.80	AV	35.00	100	Horizontal	Pass
6	17170.762	51.75	74.0	22.25	Peak	272.00	200	Horizontal	Pass
6**	17170.762	42.74	54.0	11.26	AV	272.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11b High Channel



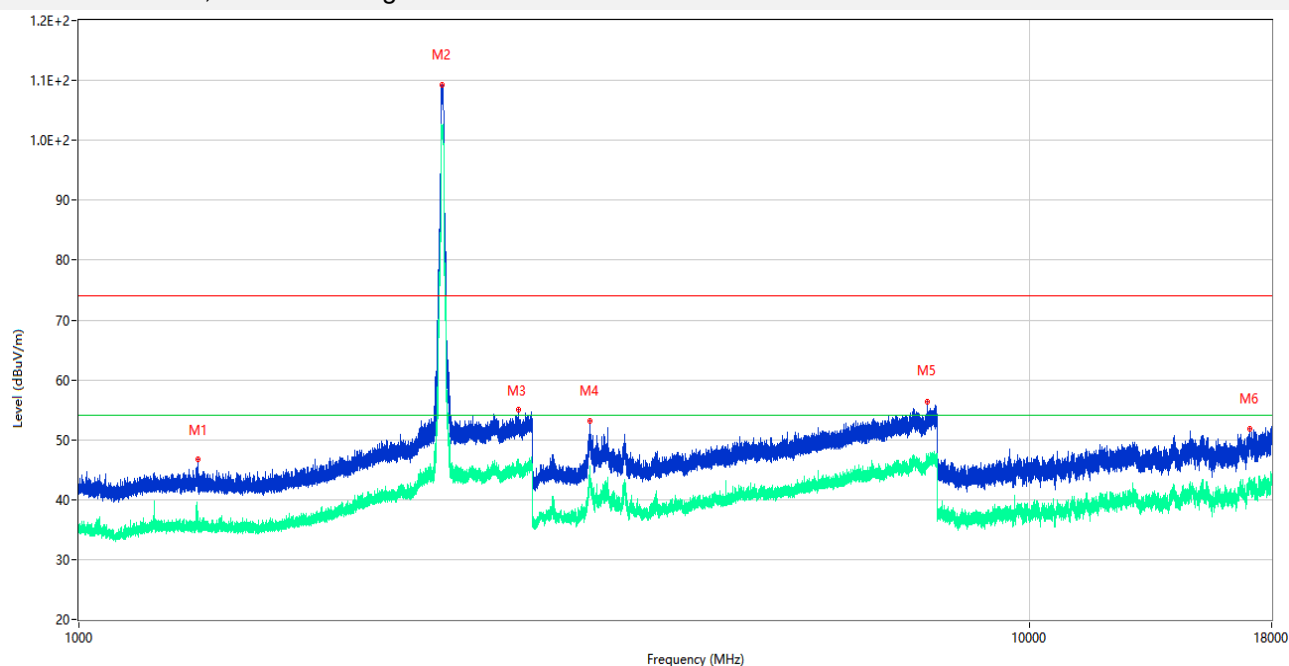
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.000	48.28	74.0	25.72	Peak	299.00	200	Vertical	Pass
1**	1329.000	39.80	54.0	14.20	AV	299.00	200	Vertical	Pass
2	2462.100	103.39	--	--	Peak	137.00	400	Vertical	N/A
2**	2462.100	98.67	--	--	AV	137.00	400	Vertical	N/A
3	2828.900	54.52	74.0	19.48	Peak	299.00	100	Vertical	Pass
3**	2828.900	43.87	54.0	10.13	AV	299.00	100	Vertical	Pass
4	3600.500	47.00	74.0	27.00	Peak	359.00	100	Vertical	Pass
4**	3600.500	47.88	54.0	6.12	AV	359.00	100	Vertical	Pass
5	7929.000	56.02	74.0	17.98	Peak	59.00	100	Vertical	Pass
5**	7929.000	47.06	54.0	6.94	AV	59.00	100	Vertical	Pass
6	17054.738	52.44	74.0	21.56	Peak	188.00	100	Vertical	Pass
6**	17054.738	42.92	54.0	11.08	AV	188.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Low Channel



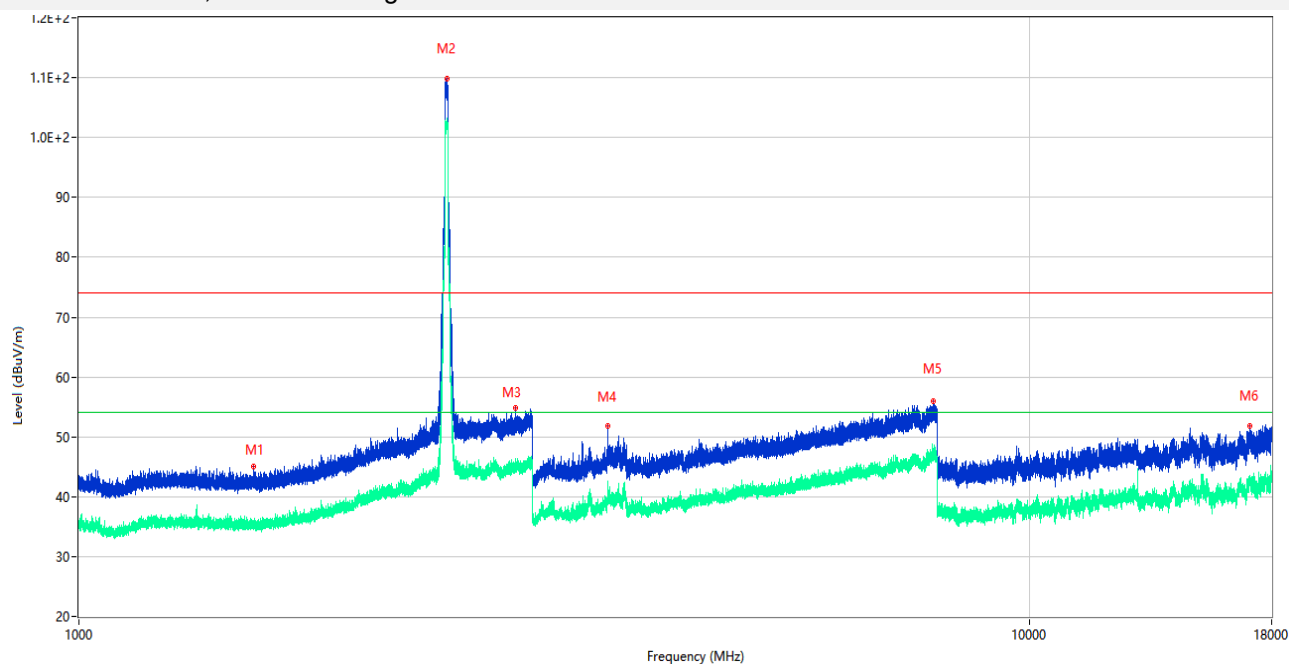
No.	Frequency (MHz)	Results (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1332.100	47.42	74.0	26.58	Peak	58.00	200	Horizontal	Pass
1**	1332.100	35.88	54.0	18.12	AV	58.00	200	Horizontal	Pass
2	2416.400	110.27	--	--	Peak	123.00	300	Horizontal	N/A
2**	2416.400	103.20	--	--	AV	123.00	300	Horizontal	N/A
3	2978.800	54.45	74.0	19.55	Peak	12.00	400	Horizontal	Pass
3**	2978.800	45.54	54.0	8.46	AV	12.00	400	Horizontal	Pass
4	3752.000	50.59	74.0	23.41	Peak	45.00	400	Horizontal	Pass
4**	3752.000	42.05	54.0	11.95	AV	45.00	400	Horizontal	Pass
5	7964.750	56.00	74.0	18.00	Peak	80.00	200	Horizontal	Pass
5**	7964.750	46.63	54.0	7.37	AV	80.00	200	Horizontal	Pass
6	15359.250	51.90	74.0	22.10	Peak	101.00	200	Horizontal	Pass
6**	15359.250	41.23	54.0	12.77	AV	101.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Low Channel



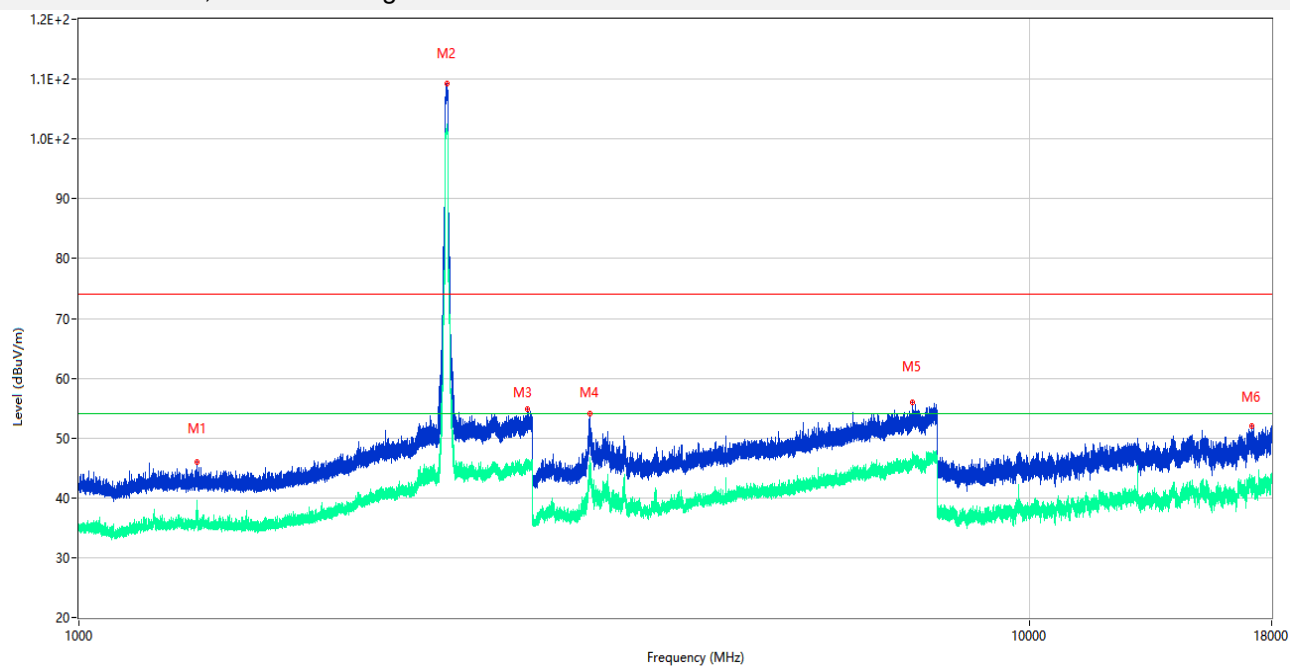
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.300	46.71	74.0	27.29	Peak	299.00	400	Vertical	Pass
1**	1333.300	37.46	54.0	16.54	AV	299.00	400	Vertical	Pass
2	2410.400	109.26	--	--	Peak	125.00	400	Vertical	N/A
2**	2410.400	101.42	--	--	AV	125.00	400	Vertical	N/A
3	2902.500	55.02	74.0	18.98	Peak	182.00	100	Vertical	Pass
3**	2902.500	46.72	54.0	7.28	AV	182.00	100	Vertical	Pass
4	3452.500	53.19	74.0	20.81	Peak	92.00	100	Vertical	Pass
4**	3452.500	42.12	54.0	11.88	AV	92.00	100	Vertical	Pass
5	7809.750	56.26	74.0	17.74	Peak	68.00	100	Vertical	Pass
5**	7809.750	46.54	54.0	7.46	AV	68.00	100	Vertical	Pass
6	17075.739	51.87	74.0	22.13	Peak	1.00	300	Vertical	Pass
6**	17075.739	43.81	54.0	10.19	AV	1.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g Middle Channel



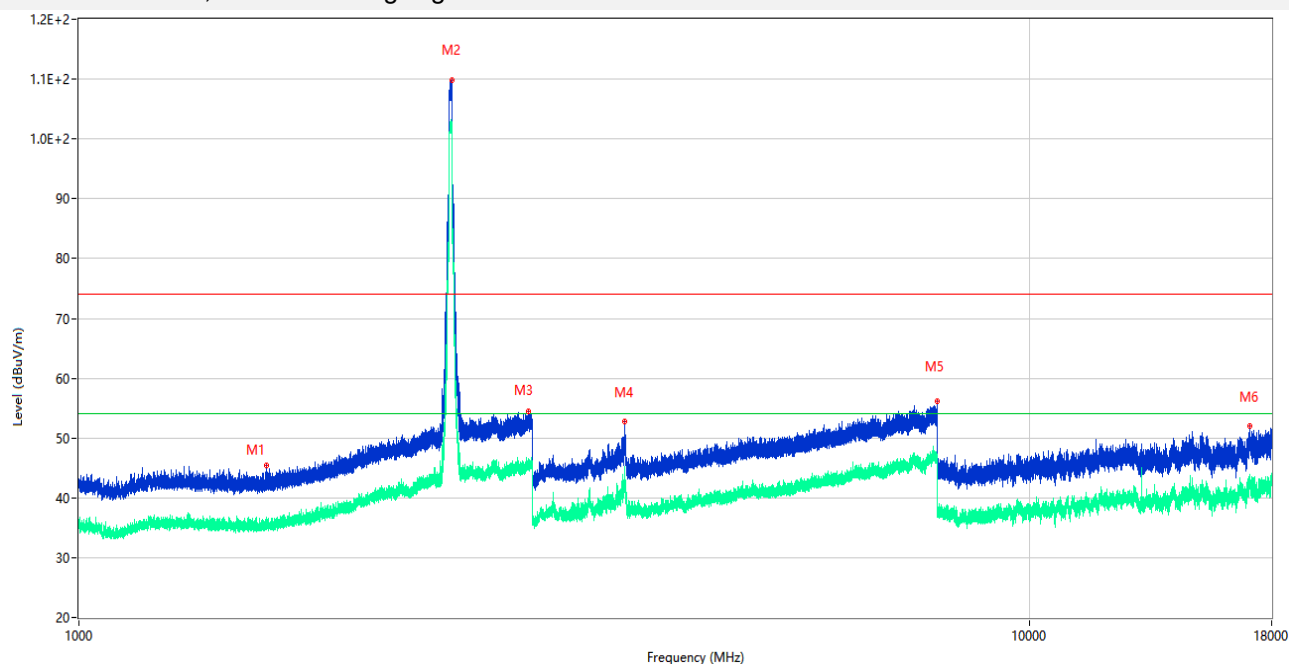
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1527.700	45.10	74.0	28.90	Peak	320.00	300	Horizontal	Pass
1**	1527.700	35.20	54.0	18.80	AV	320.00	300	Horizontal	Pass
2	2438.400	109.83	--	--	Peak	125.00	300	Horizontal	N/A
2**	2438.400	102.30	--	--	AV	125.00	300	Horizontal	N/A
3	2882.400	54.81	74.0	19.19	Peak	353.00	300	Horizontal	Pass
3**	2882.400	45.15	54.0	8.85	AV	353.00	300	Horizontal	Pass
4	3599.750	51.74	74.0	22.26	Peak	356.00	300	Horizontal	Pass
4**	3599.750	40.11	54.0	13.89	AV	356.00	300	Horizontal	Pass
5	7921.250	55.95	74.0	18.05	Peak	82.00	100	Horizontal	Pass
5**	7921.250	46.32	54.0	7.68	AV	82.00	100	Horizontal	Pass
6	17070.750	51.84	74.0	22.16	Peak	100.00	100	Horizontal	Pass
6**	17070.750	42.63	54.0	11.37	AV	100.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g Middle Channel



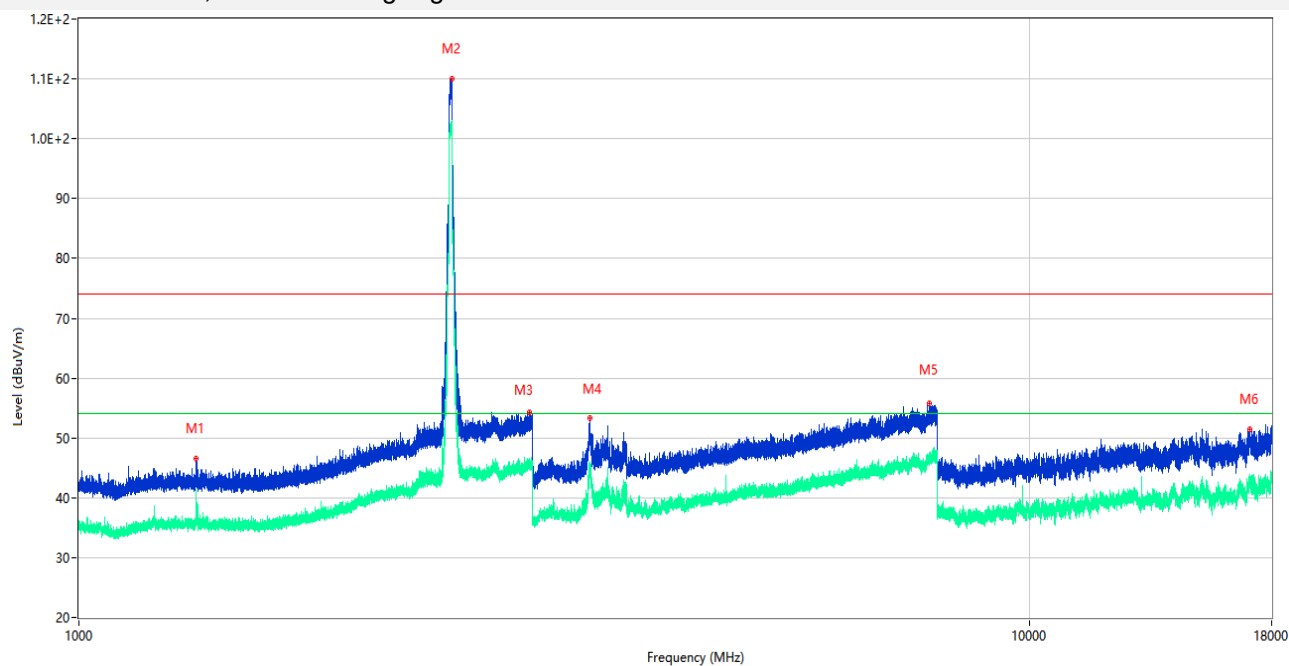
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.600	45.92	74.0	28.08	Peak	119.00	300	Vertical	Pass
1**	1330.600	35.35	54.0	18.65	AV	119.00	300	Vertical	Pass
2	2440.300	109.33	--	--	Peak	131.00	300	Vertical	N/A
2**	2440.300	101.35	--	--	AV	131.00	300	Vertical	N/A
3	2967.000	54.88	74.0	19.12	Peak	205.00	400	Vertical	Pass
3**	2967.000	45.04	54.0	8.96	AV	205.00	400	Vertical	Pass
4	3452.000	54.15	74.0	19.85	Peak	68.00	300	Vertical	Pass
4**	3452.000	45.69	54.0	8.31	AV	68.00	300	Vertical	Pass
5	7546.250	55.89	74.0	18.11	Peak	127.00	100	Vertical	Pass
5**	7546.250	46.88	54.0	7.12	AV	127.00	100	Vertical	Pass
6	17174.963	51.93	74.0	22.07	Peak	126.00	100	Vertical	Pass
6**	17174.963	42.97	54.0	11.03	AV	126.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11g High Channel



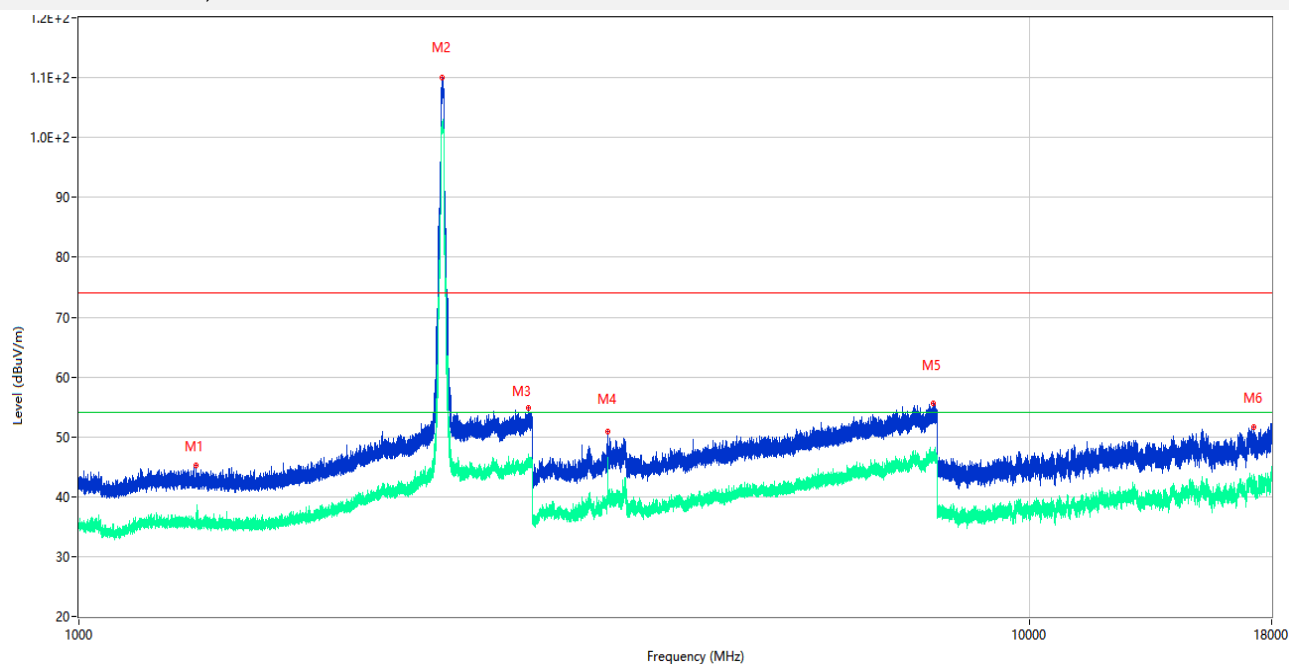
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1577.100	45.40	74.0	28.60	Peak	212.00	300	Horizontal	Pass
1**	1577.100	35.31	54.0	18.69	AV	212.00	300	Horizontal	Pass
2	2467.300	109.87	--	--	Peak	125.00	400	Horizontal	N/A
2**	2467.300	102.34	--	--	AV	125.00	400	Horizontal	N/A
3	2975.000	54.54	74.0	19.46	Peak	1.00	300	Horizontal	Pass
3**	2975.000	45.45	54.0	8.55	AV	1.00	300	Horizontal	Pass
4	3748.500	52.74	74.0	21.26	Peak	32.00	200	Horizontal	Pass
4**	3748.500	42.15	54.0	11.85	AV	32.00	200	Horizontal	Pass
5	7999.750	56.07	74.0	17.93	Peak	150.00	300	Horizontal	Pass
5**	7999.750	46.33	54.0	7.67	AV	150.00	300	Horizontal	Pass
6	17078.100	51.95	74.0	22.05	Peak	0.00	200	Horizontal	Pass
6**	17078.100	42.93	54.0	11.07	AV	0.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11g High Channel



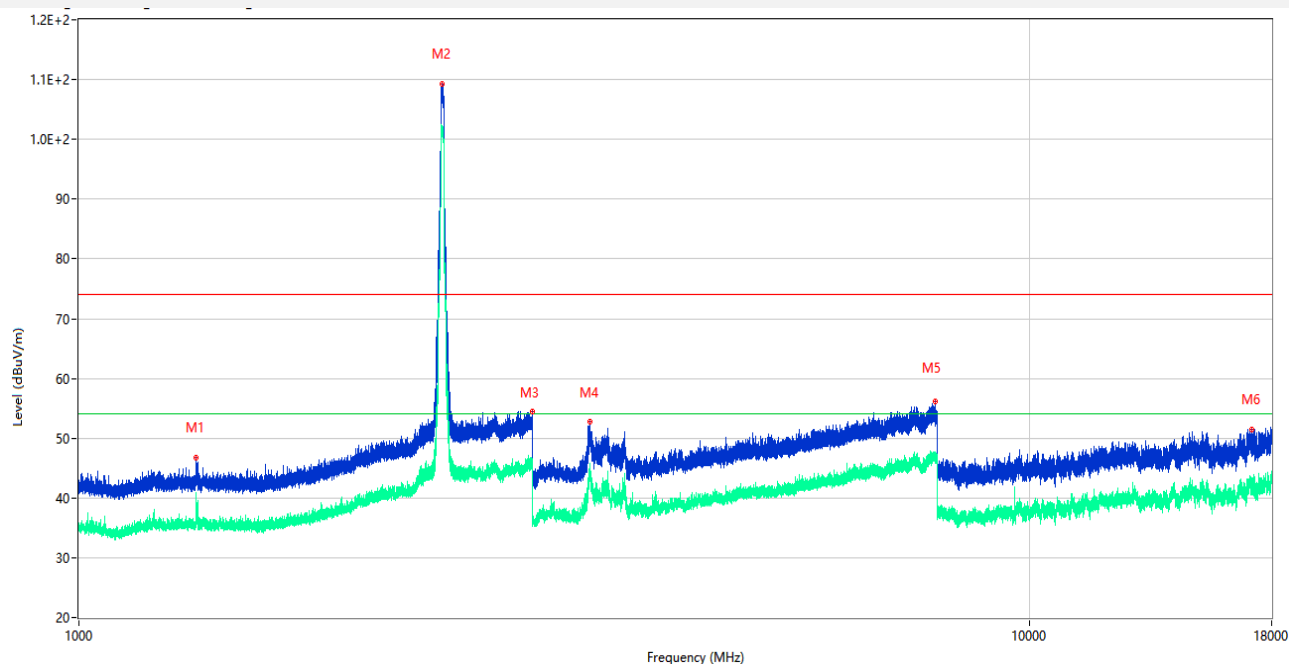
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.000	46.65	74.0	27.35	Peak	158.00	200	Vertical	Pass
1**	1328.000	36.94	54.0	17.06	AV	158.00	200	Vertical	Pass
2	2467.400	110.05	--	--	Peak	137.00	200	Vertical	N/A
2**	2467.400	103.14	--	--	AV	137.00	200	Vertical	N/A
3	2980.000	54.31	74.0	19.69	Peak	257.00	200	Vertical	Pass
3**	2980.000	45.40	54.0	8.60	AV	257.00	200	Vertical	Pass
4	3449.250	53.42	74.0	20.58	Peak	70.00	200	Vertical	Pass
4**	3449.250	44.60	54.0	9.40	AV	70.00	200	Vertical	Pass
5	7859.250	55.70	74.0	18.30	Peak	359.00	300	Vertical	Pass
5**	7859.250	46.29	54.0	7.71	AV	359.00	300	Vertical	Pass
6	17080.724	51.45	74.0	22.55	Peak	296.00	300	Vertical	Pass
6**	17080.724	42.97	54.0	11.03	AV	296.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Low Channel



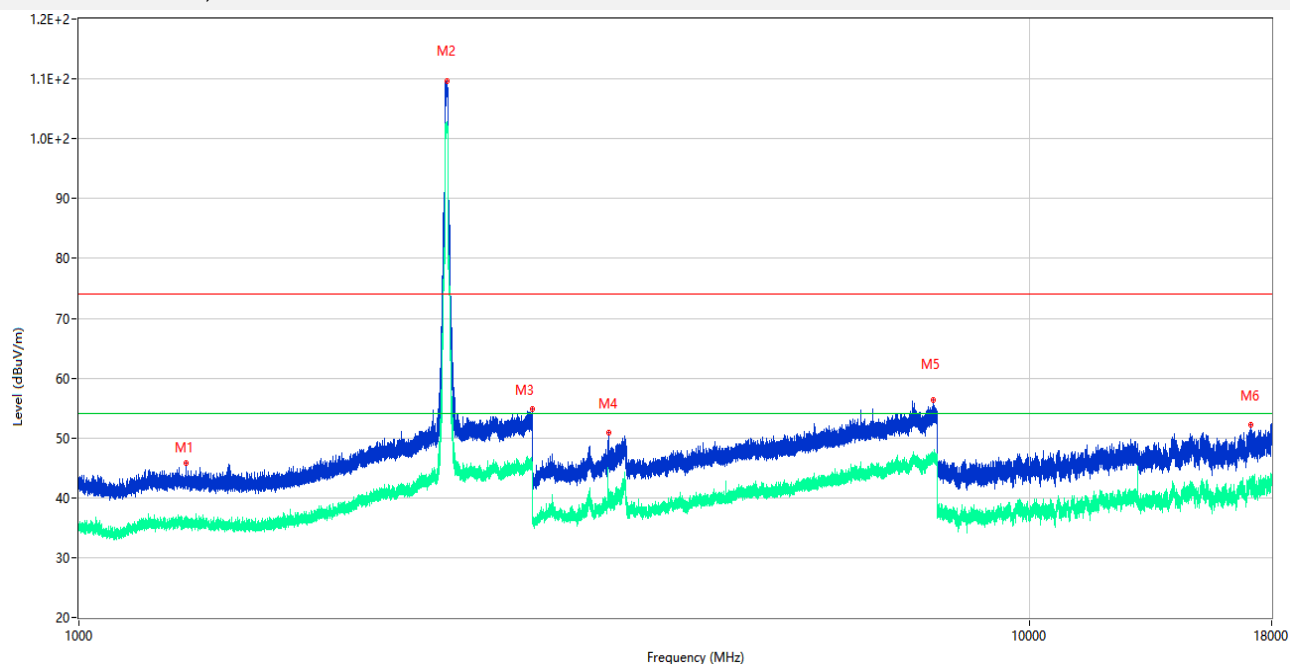
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.900	45.28	74.0	28.72	Peak	344.00	200	Horizontal	Pass
1**	1328.900	36.08	54.0	17.92	AV	344.00	200	Horizontal	Pass
2	2413.700	110.09	--	--	Peak	114.00	300	Horizontal	N/A
2**	2413.700	102.35	--	--	AV	114.00	300	Horizontal	N/A
3	2971.600	54.83	74.0	19.17	Peak	159.00	400	Horizontal	Pass
3**	2971.600	45.88	54.0	8.12	AV	159.00	400	Horizontal	Pass
4	3600.000	50.81	74.0	23.19	Peak	359.00	400	Horizontal	Pass
4**	3600.000	41.09	54.0	12.91	AV	359.00	400	Horizontal	Pass
5	7926.500	55.68	74.0	18.32	Peak	358.00	400	Horizontal	Pass
5**	7926.500	46.75	54.0	7.25	AV	358.00	400	Horizontal	Pass
6	17235.075	51.62	74.0	22.38	Peak	35.00	200	Horizontal	Pass
6**	17235.075	42.14	54.0	11.86	AV	35.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Low Channel



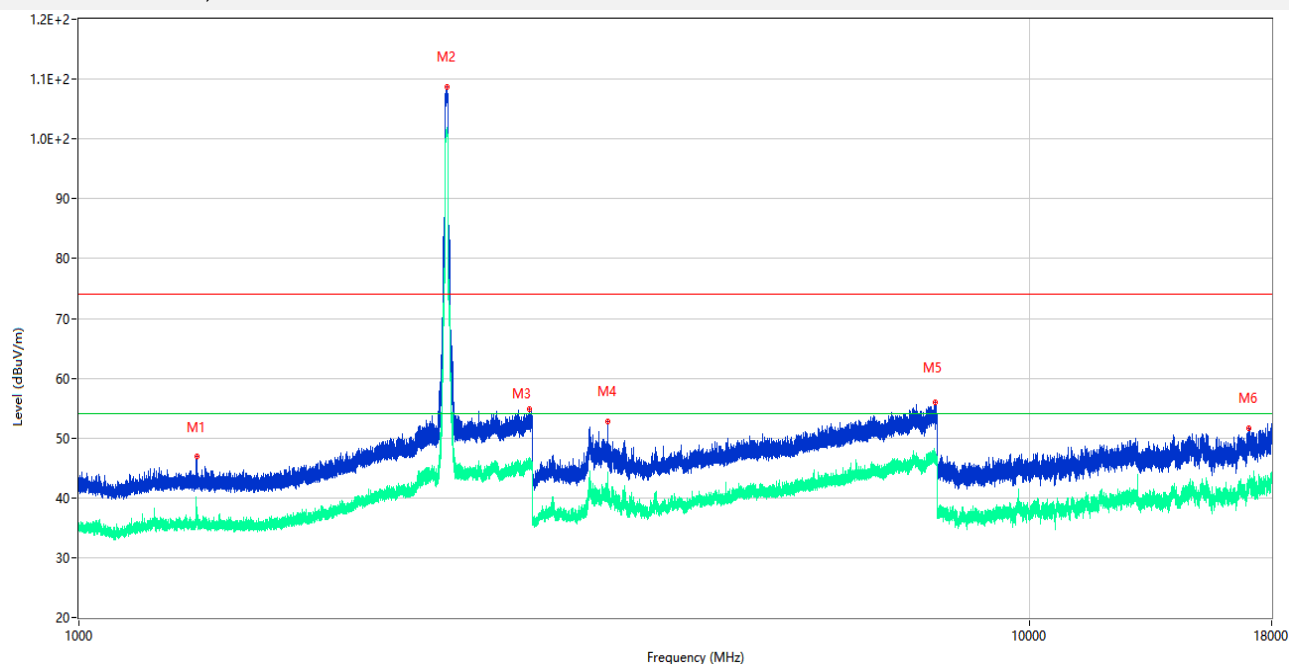
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1328.300	46.79	74.0	27.21	Peak	100.00	100	Vertical	Pass
1**	1328.300	38.14	54.0	15.86	AV	100.00	100	Vertical	Pass
2	2410.200	109.26	--	--	Peak	121.00	300	Vertical	N/A
2**	2410.200	101.30	--	--	AV	121.00	300	Vertical	N/A
3	2998.300	54.52	74.0	19.48	Peak	165.00	200	Vertical	Pass
3**	2998.300	46.25	54.0	7.75	AV	165.00	200	Vertical	Pass
4	3452.500	52.71	74.0	21.29	Peak	82.00	200	Vertical	Pass
4**	3452.500	43.13	54.0	10.87	AV	82.00	200	Vertical	Pass
5	7956.750	56.10	74.0	17.90	Peak	357.00	400	Vertical	Pass
5**	7956.750	47.04	54.0	6.96	AV	357.00	400	Vertical	Pass
6	17165.250	51.52	74.0	22.48	Peak	359.00	200	Vertical	Pass
6**	17165.250	42.70	54.0	11.30	AV	359.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 Middle Channel



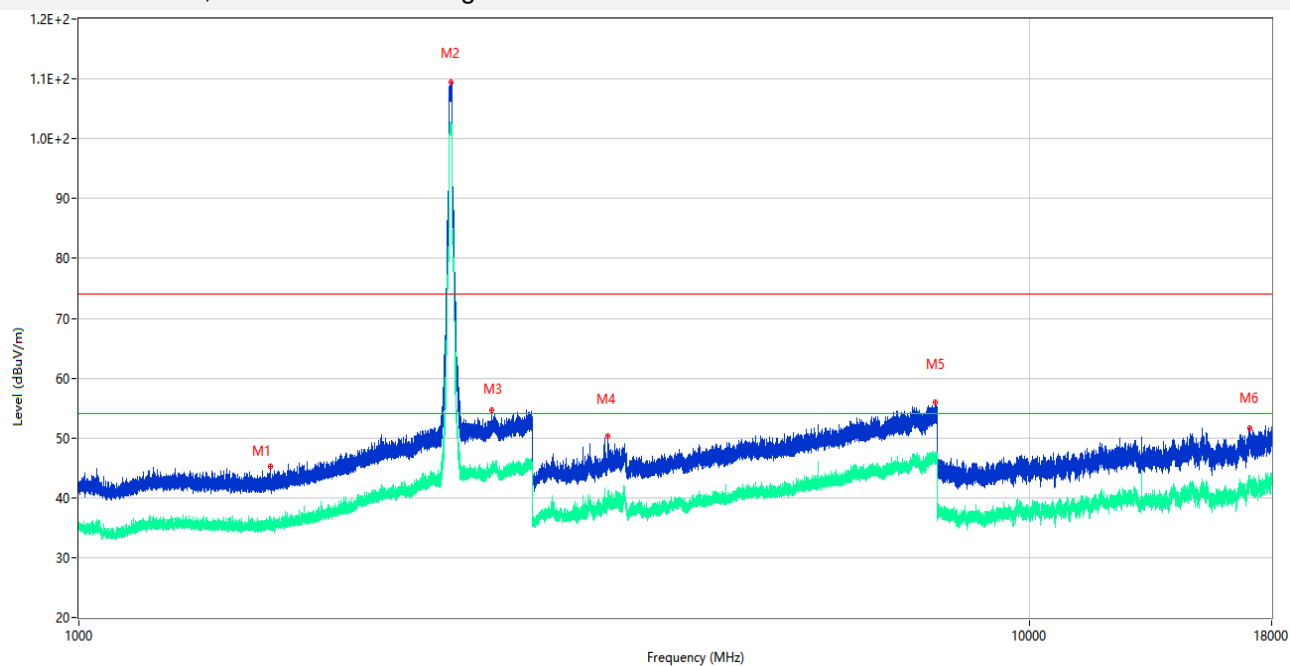
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1297.500	45.80	74.0	28.20	Peak	360.00	400	Horizontal	Pass
1**	1297.500	36.66	54.0	17.34	AV	360.00	400	Horizontal	Pass
2	2442.100	109.70	--	--	Peak	126.00	300	Horizontal	N/A
2**	2442.100	102.46	--	--	AV	126.00	300	Horizontal	N/A
3	2999.600	54.76	74.0	19.24	Peak	105.00	400	Horizontal	Pass
3**	2999.600	45.78	54.0	8.22	AV	105.00	400	Horizontal	Pass
4	3614.500	50.81	74.0	23.19	Peak	358.00	400	Horizontal	Pass
4**	3614.500	40.16	54.0	13.84	AV	358.00	400	Horizontal	Pass
5	7919.500	56.32	74.0	17.68	Peak	237.00	200	Horizontal	Pass
5**	7919.500	47.16	54.0	6.84	AV	237.00	200	Horizontal	Pass
6	17100.676	52.12	74.0	21.88	Peak	356.00	300	Horizontal	Pass
6**	17100.676	41.74	54.0	12.26	AV	356.00	300	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 Middle Channel



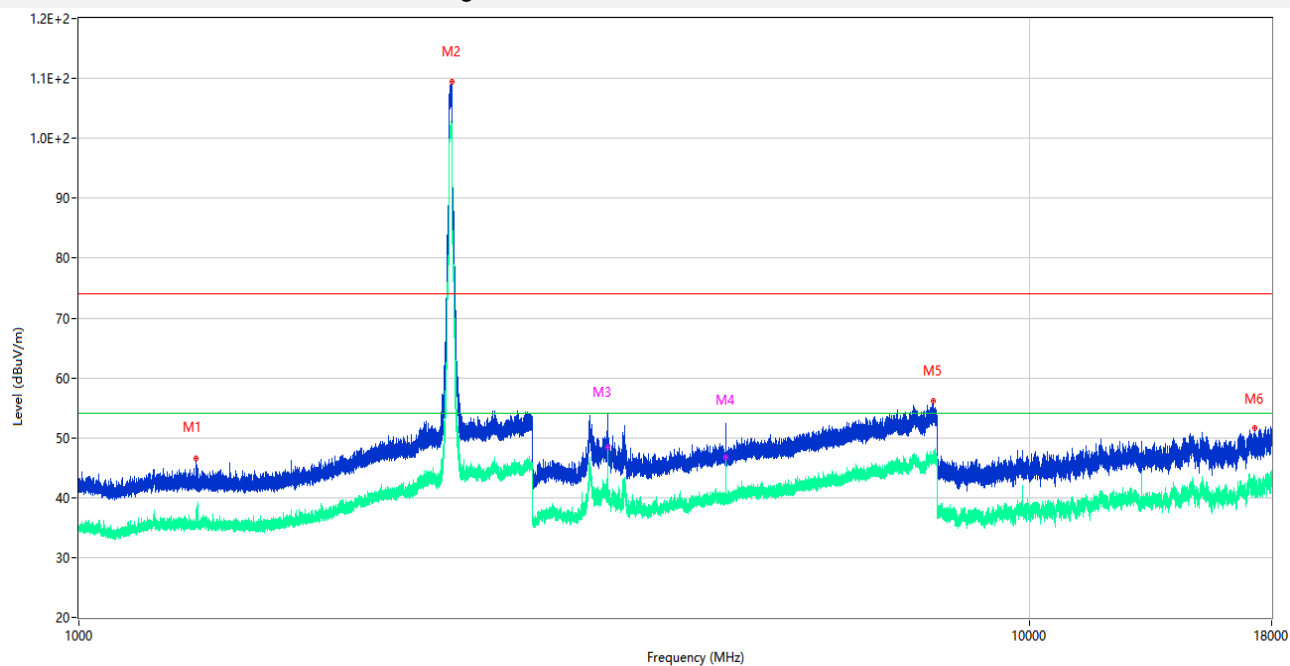
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1330.800	46.84	74.0	27.16	Peak	297.00	300	Vertical	Pass
1**	1330.800	36.52	54.0	17.48	AV	297.00	300	Vertical	Pass
2	2438.200	108.74	--	--	Peak	135.00	200	Vertical	N/A
2**	2438.200	101.64	--	--	AV	135.00	200	Vertical	N/A
3	2982.600	54.88	74.0	19.12	Peak	6.00	100	Vertical	Pass
3**	2982.600	46.31	54.0	7.69	AV	6.00	100	Vertical	Pass
4	3599.500	52.86	74.0	21.14	Peak	358.00	200	Vertical	Pass
4**	3599.500	41.99	54.0	12.01	AV	358.00	200	Vertical	Pass
5	7957.000	56.04	74.0	17.96	Peak	242.00	300	Vertical	Pass
5**	7957.000	47.03	54.0	6.97	AV	242.00	300	Vertical	Pass
6	17036.887	51.71	74.0	22.29	Peak	188.00	100	Vertical	Pass
6**	17036.887	41.91	54.0	12.09	AV	188.00	100	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n20 High Channel



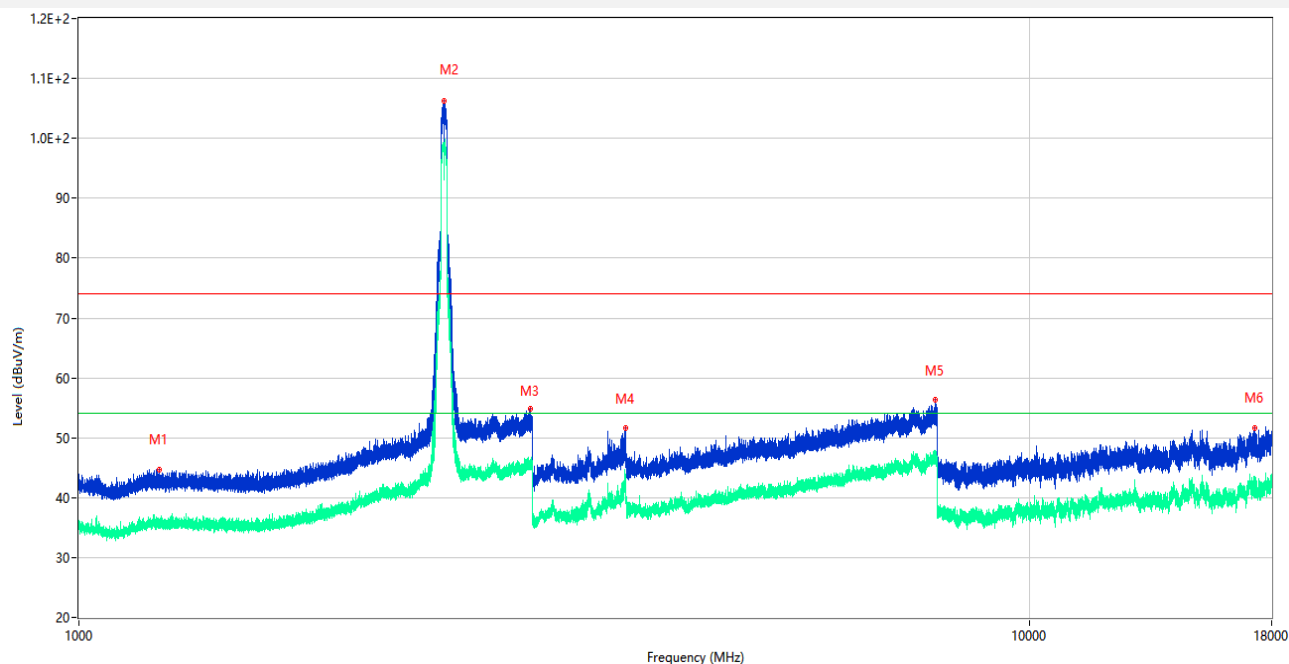
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1588.700	45.18	74.0	28.82	Peak	41.00	100	Horizontal	Pass
1**	1588.700	35.39	54.0	18.61	AV	41.00	100	Horizontal	Pass
2	2465.300	109.40	--	--	Peak	128.00	400	Horizontal	N/A
2**	2465.300	102.07	--	--	AV	128.00	400	Horizontal	N/A
3	2719.900	54.68	74.0	19.32	Peak	14.00	300	Horizontal	Pass
3**	2719.900	45.43	54.0	8.57	AV	14.00	300	Horizontal	Pass
4	3601.000	50.27	74.0	23.73	Peak	356.00	400	Horizontal	Pass
4**	3601.000	40.39	54.0	13.61	AV	356.00	400	Horizontal	Pass
5	7956.750	55.99	74.0	18.01	Peak	317.00	300	Horizontal	Pass
5**	7956.750	46.50	54.0	7.50	AV	317.00	300	Horizontal	Pass
6	17062.875	51.73	74.0	22.27	Peak	108.00	200	Horizontal	Pass
6**	17062.875	42.41	54.0	11.59	AV	108.00	200	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n20 High Channel



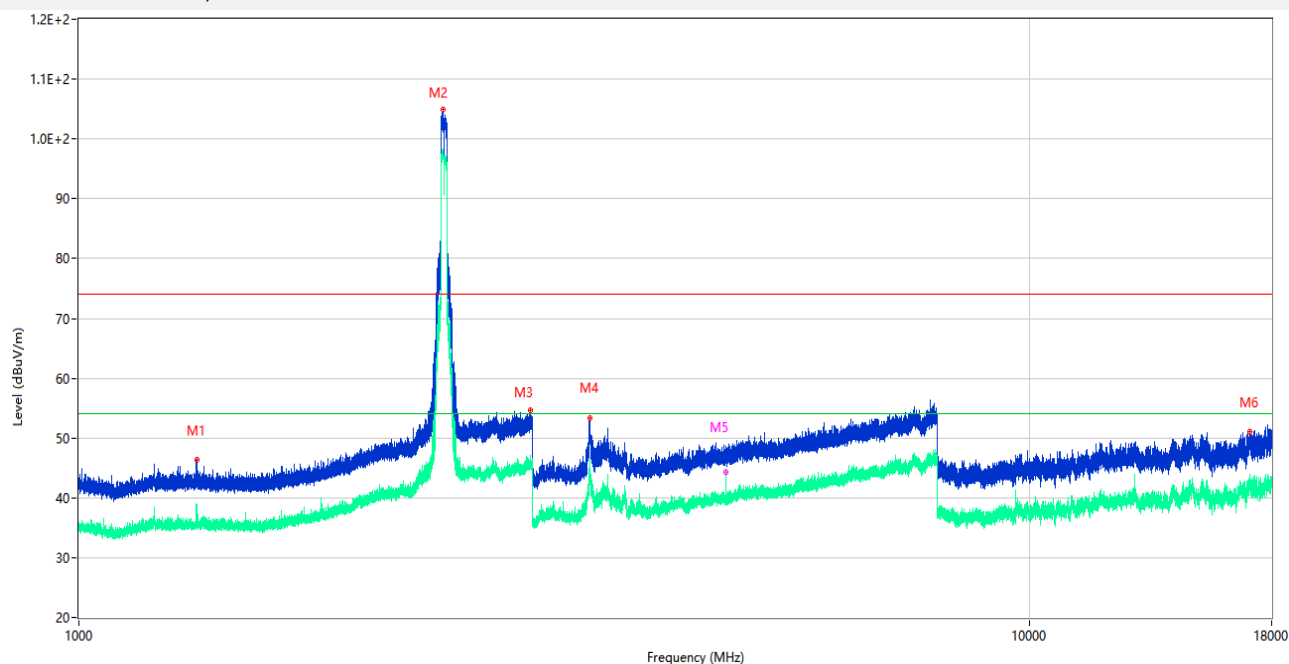
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.500	46.54	74.0	27.46	Peak	344.00	100	Vertical	Pass
1**	1329.500	35.87	54.0	18.13	AV	344.00	100	Vertical	Pass
2	2467.700	109.45	--	--	Peak	137.00	100	Vertical	N/A
2**	2467.700	102.07	--	--	AV	137.00	100	Vertical	N/A
3	3599.750	50.14	74.0	23.86	Peak	10.00	100	Vertical	Pass
3**	3599.750	48.43	54.0	5.57	AV	10.00	100	Vertical	Pass
4	4800.000	48.76	74.0	25.24	Peak	245.00	100	Vertical	Pass
4**	4800.000	46.71	54.0	7.29	AV	245.00	100	Vertical	Pass
5	7930.000	56.23	74.0	17.77	Peak	80.00	200	Vertical	Pass
5**	7930.000	46.18	54.0	7.82	AV	80.00	200	Vertical	Pass
6	17265.263	51.61	74.0	22.39	Peak	277.00	300	Vertical	Pass
6**	17265.263	42.55	54.0	11.45	AV	277.00	300	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Low Channel



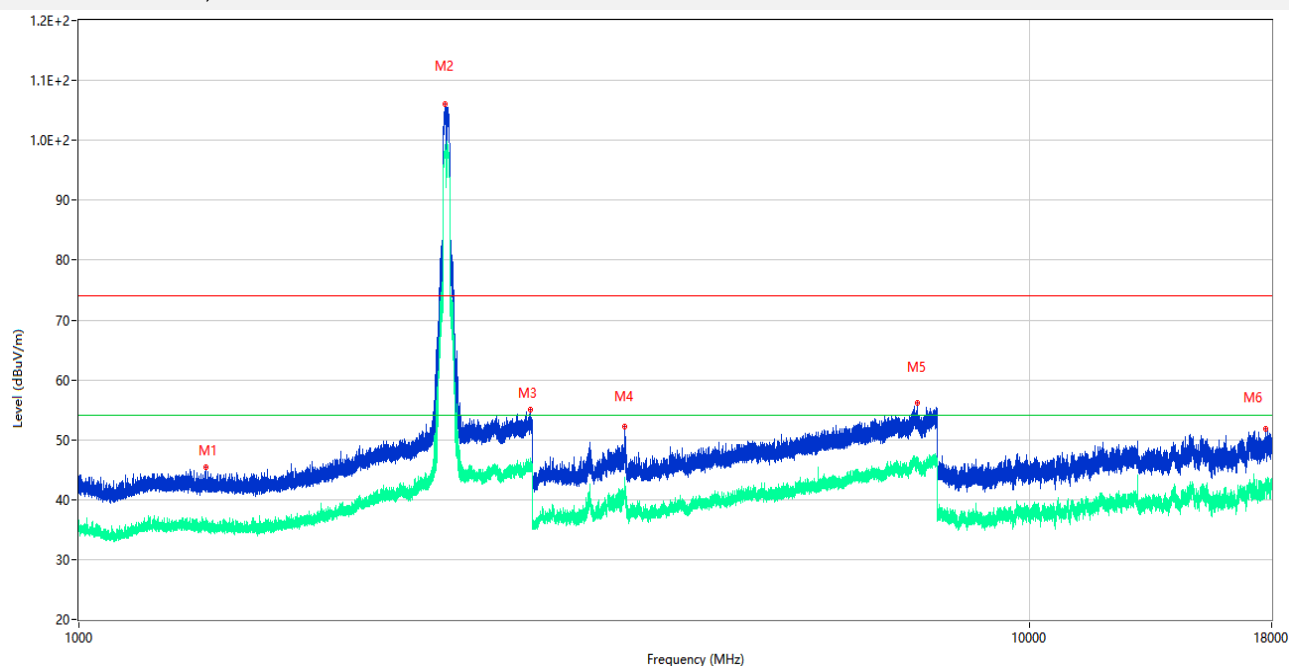
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1216.400	44.75	74.0	29.25	Peak	360.00	400	Horizontal	Pass
1**	1216.400	35.87	54.0	18.13	AV	360.00	400	Horizontal	Pass
2	2424.200	106.25	--	--	Peak	126.00	300	Horizontal	N/A
2**	2424.200	98.32	--	--	AV	126.00	300	Horizontal	N/A
3	2986.300	54.89	74.0	19.11	Peak	60.00	300	Horizontal	Pass
3**	2986.300	45.50	54.0	8.50	AV	60.00	300	Horizontal	Pass
4	3761.000	51.58	74.0	22.42	Peak	47.00	400	Horizontal	Pass
4**	3761.000	40.91	54.0	13.09	AV	47.00	400	Horizontal	Pass
5	7957.250	56.32	74.0	17.68	Peak	329.00	300	Horizontal	Pass
5**	7957.250	47.02	54.0	6.98	AV	329.00	300	Horizontal	Pass
6	17273.137	51.68	74.0	22.32	Peak	267.00	100	Horizontal	Pass
6**	17273.137	41.61	54.0	12.39	AV	267.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Low Channel



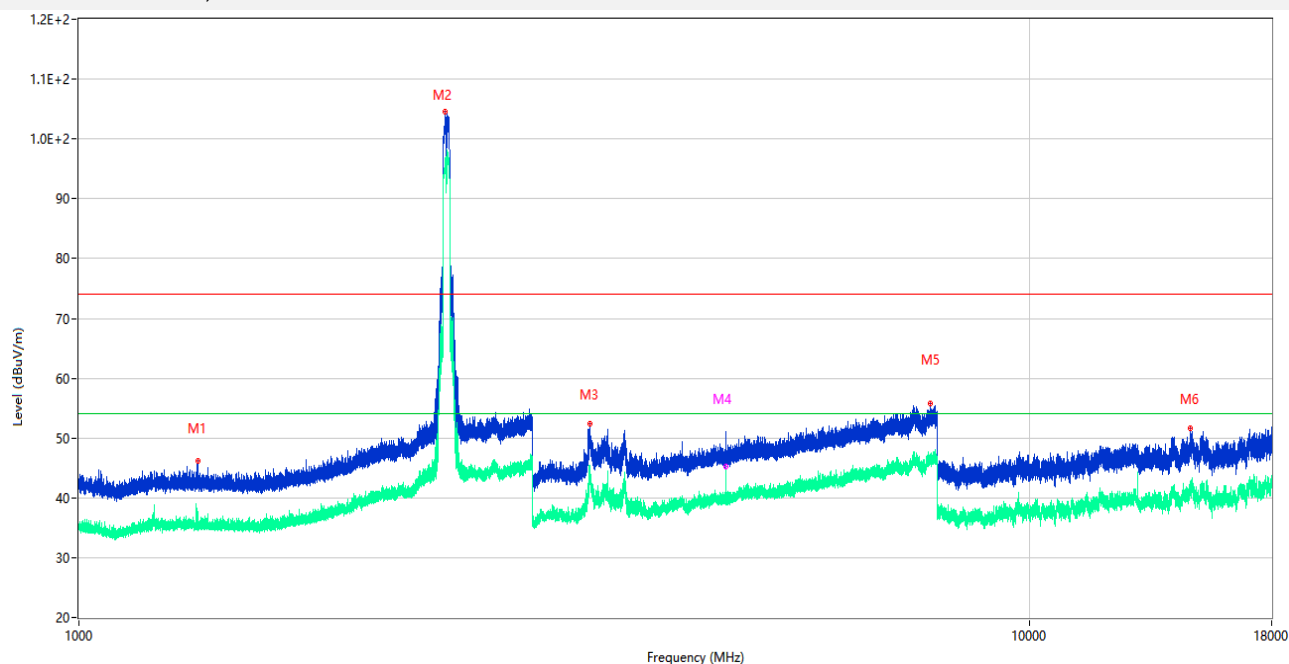
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1329.900	46.28	74.0	27.72	Peak	114.00	400	Vertical	Pass
1**	1329.900	35.26	54.0	18.74	AV	114.00	400	Vertical	Pass
2	2414.600	104.96	--	--	Peak	124.00	300	Vertical	N/A
2**	2414.600	97.27	--	--	AV	124.00	300	Vertical	N/A
3	2987.200	54.57	74.0	19.43	Peak	79.00	400	Vertical	Pass
3**	2987.200	45.29	54.0	8.71	AV	79.00	400	Vertical	Pass
4	3449.250	53.40	74.0	20.60	Peak	82.00	300	Vertical	Pass
4**	3449.250	44.07	54.0	9.93	AV	82.00	300	Vertical	Pass
5	4799.750	47.96	74.0	26.04	Peak	82.00	100	Vertical	Pass
5**	4799.750	44.24	54.0	9.76	AV	82.00	100	Vertical	Pass
6	17067.075	51.01	74.0	22.99	Peak	198.00	400	Vertical	Pass
6**	17067.075	42.10	54.0	11.90	AV	198.00	400	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 Middle Channel



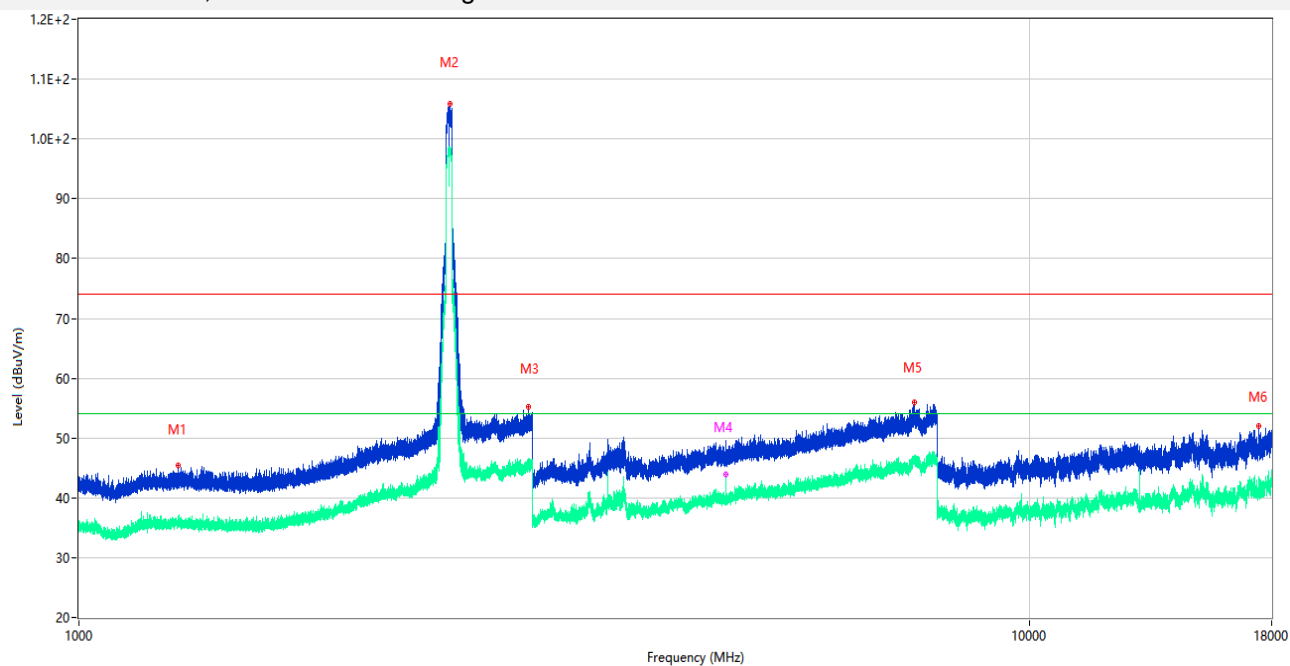
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1360.300	45.52	74.0	28.48	Peak	3.00	300	Horizontal	Pass
1**	1360.300	35.27	54.0	18.73	AV	3.00	300	Horizontal	Pass
2	2431.100	106.06	--	--	Peak	112.00	200	Horizontal	N/A
2**	2431.100	98.12	--	--	AV	112.00	200	Horizontal	N/A
3	2988.200	54.98	74.0	19.02	Peak	210.00	400	Horizontal	Pass
3**	2988.200	45.42	54.0	8.58	AV	210.00	400	Horizontal	Pass
4	3756.250	52.25	74.0	21.75	Peak	47.00	200	Horizontal	Pass
4**	3756.250	40.79	54.0	13.21	AV	47.00	200	Horizontal	Pass
5	7633.250	56.19	74.0	17.81	Peak	47.00	200	Horizontal	Pass
5**	7633.250	46.05	54.0	7.95	AV	47.00	200	Horizontal	Pass
6	17733.562	51.83	74.0	22.17	Peak	171.00	100	Horizontal	Pass
6**	17733.562	42.93	54.0	11.07	AV	171.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 Middle Channel



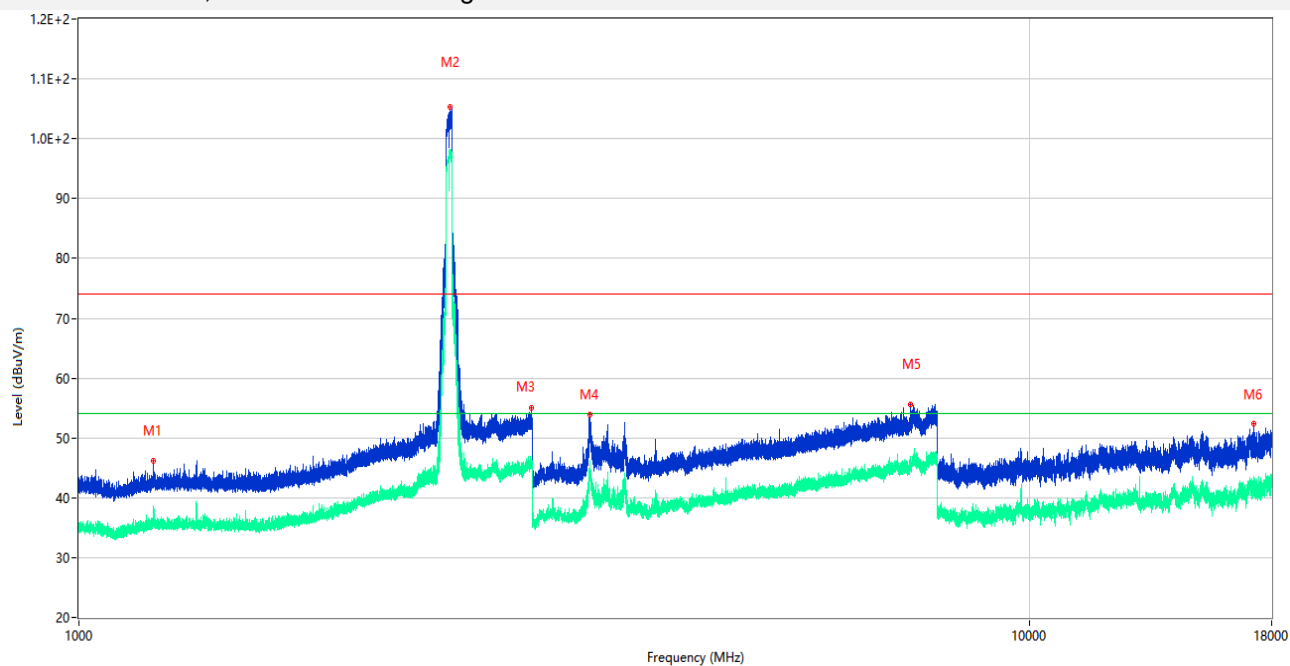
No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1333.100	46.21	74.0	27.79	Peak	145.00	400	Vertical	Pass
1**	1333.100	35.12	54.0	18.88	AV	145.00	400	Vertical	Pass
2	2431.200	104.57	--	--	Peak	136.00	400	Vertical	N/A
2**	2431.200	95.77	--	--	AV	136.00	400	Vertical	N/A
3	3449.750	52.36	74.0	21.64	Peak	68.00	200	Vertical	Pass
3**	3449.750	43.72	54.0	10.28	AV	68.00	200	Vertical	Pass
4	4800.000	46.48	74.0	27.52	Peak	127.00	100	Vertical	Pass
4**	4800.000	45.24	54.0	8.76	AV	127.00	100	Vertical	Pass
5	7876.750	55.78	74.0	18.22	Peak	186.00	300	Vertical	Pass
5**	7876.750	45.99	54.0	8.01	AV	186.00	300	Vertical	Pass
6	14766.262	51.59	74.0	22.41	Peak	47.00	200	Vertical	Pass
6**	14766.262	41.48	54.0	12.52	AV	47.00	200	Vertical	Pass

1 GHz to 18 GHz, ANT H 802.11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1272.600	45.46	74.0	28.54	Peak	308.00	300	Horizontal	Pass
1**	1272.600	35.37	54.0	18.63	AV	308.00	300	Horizontal	Pass
2	2458.400	105.81	--	--	Peak	112.00	100	Horizontal	N/A
2**	2458.400	97.79	--	--	AV	112.00	100	Horizontal	N/A
3	2973.700	55.15	74.0	18.85	Peak	1.00	400	Horizontal	Pass
3**	2973.700	45.42	54.0	8.58	AV	1.00	400	Horizontal	Pass
4	4800.500	48.62	74.0	25.38	Peak	2.00	100	Horizontal	Pass
4**	4800.500	43.98	54.0	10.02	AV	2.00	100	Horizontal	Pass
5	7566.500	55.93	74.0	18.07	Peak	351.00	400	Horizontal	Pass
5**	7566.500	46.67	54.0	7.33	AV	351.00	400	Horizontal	Pass
6	17457.676	51.99	74.0	22.01	Peak	0.00	100	Horizontal	Pass
6**	17457.676	42.07	54.0	11.93	AV	0.00	100	Horizontal	Pass

1 GHz to 18 GHz, ANT V 802.11n40 High Channel



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1198.600	46.24	74.0	27.76	Peak	217.00	200	Vertical	Pass
1**	1198.600	35.63	54.0	18.37	AV	217.00	200	Vertical	Pass
2	2459.900	105.23	--	--	Peak	138.00	400	Vertical	N/A
2**	2459.900	97.23	--	--	AV	138.00	400	Vertical	N/A
3	2991.800	54.94	74.0	19.06	Peak	1.00	400	Vertical	Pass
3**	2991.800	45.21	54.0	8.79	AV	1.00	400	Vertical	Pass
4	3449.500	53.96	74.0	20.04	Peak	61.00	100	Vertical	Pass
4**	3449.500	45.17	54.0	8.83	AV	61.00	100	Vertical	Pass
5	7499.000	55.66	74.0	18.34	Peak	61.00	200	Vertical	Pass
5**	7499.000	45.45	54.0	8.55	AV	61.00	200	Vertical	Pass
6	17247.412	52.31	74.0	21.69	Peak	352.00	100	Vertical	Pass
6**	17247.412	42.51	54.0	11.49	AV	352.00	100	Vertical	Pass

A.7 Band Edge (Restricted-band band-edge)

Note ¹: The lowest and highest channels are tested to verify the band edge emissions. Please refer to the following the plots for emissions values.

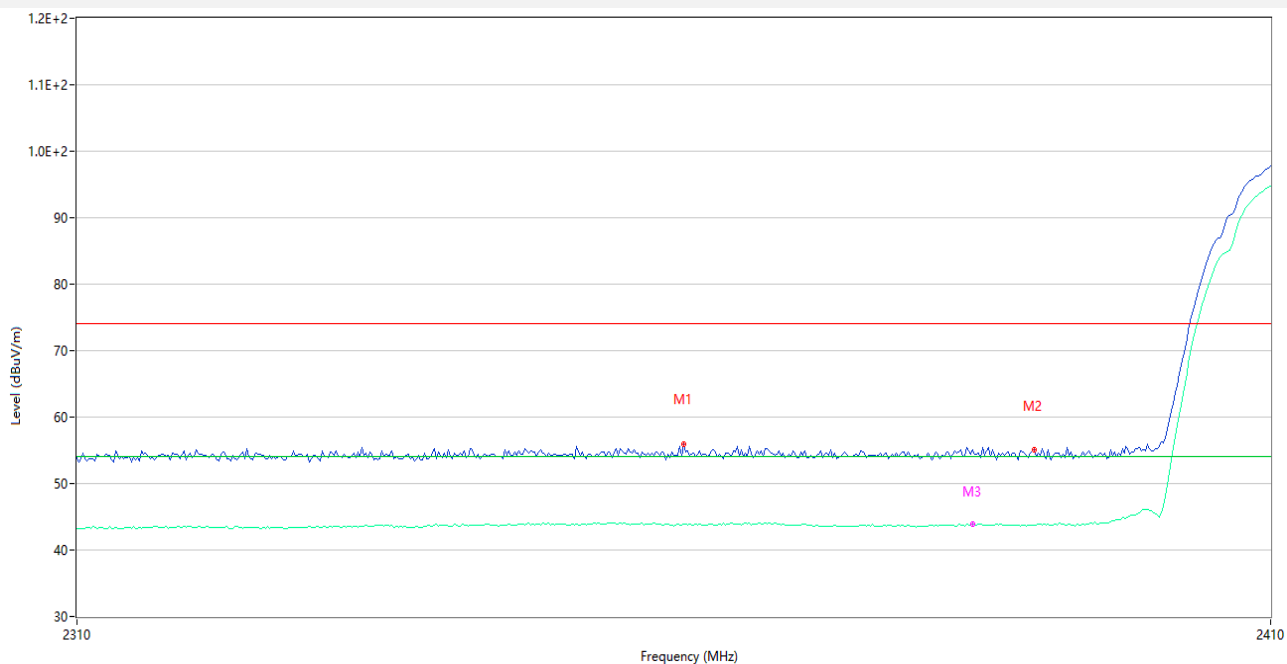
Note ²: The test data all are tested in the vertical and horizontal antenna which the trace is max hold. So these plots have shown the worst case.

Note ³: According the ANSI C63.10-2020 + Cor. 1-2023 + C63.10a-2024 + Errata to C63.10a-2024, where limits are specified for both average and peak (or quasi-peak) detector functions, if the peak (or quasi-peak) measured value complies with the average limit, it is unnecessary to perform an average measurement.

Note ⁴: Both horizontal and vertical directions were pre tested, only the worst configuration has been reported in this report.

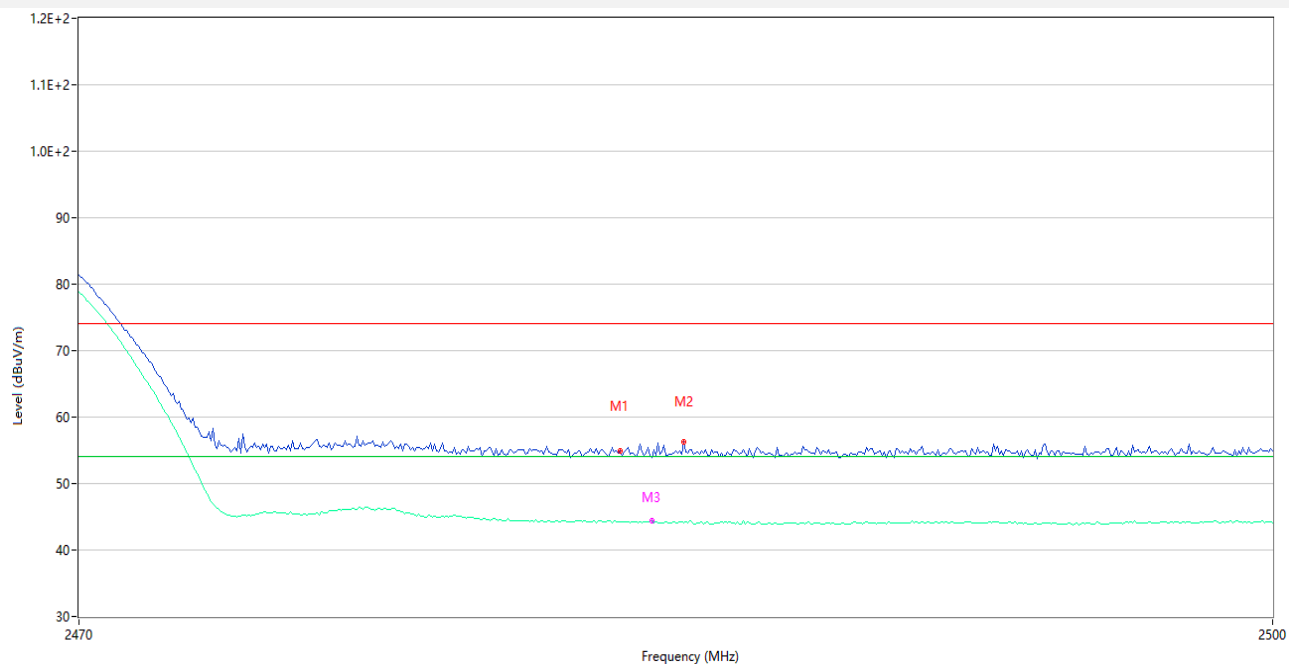
Test Data and Plots

802.11b LOW CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2360.333	55.94	74.0	18.06	Peak	116.00	200	Horizontal	Pass
1**	2360.333	43.84	54.0	10.16	AV	116.00	200	Horizontal	Pass
2	2390.000	55.16	74.0	18.84	Peak	119.00	200	Horizontal	Pass
2**	2390.000	43.72	54.0	10.28	AV	119.00	200	Horizontal	Pass
3	2384.667	55.14	74.0	18.86	Peak	240.00	100	Horizontal	Pass
3**	2384.667	43.97	54.0	10.03	AV	240.00	100	Horizontal	Pass

802.11b HIGH CHANNEL



No.	Frequency (MHz)	Results (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	54.98	74.0	19.02	Peak	229.00	200	Horizontal	Pass
1**	2483.500	44.32	54.0	9.68	AV	229.00	200	Horizontal	Pass
2	2485.150	56.19	74.0	17.81	Peak	176.00	200	Horizontal	Pass
2**	2485.150	44.09	54.0	9.91	AV	176.00	200	Horizontal	Pass
3	2484.350	53.94	74.0	20.06	Peak	305.00	100	Horizontal	Pass
3**	2484.350	44.38	54.0	9.62	AV	305.00	100	Horizontal	Pass