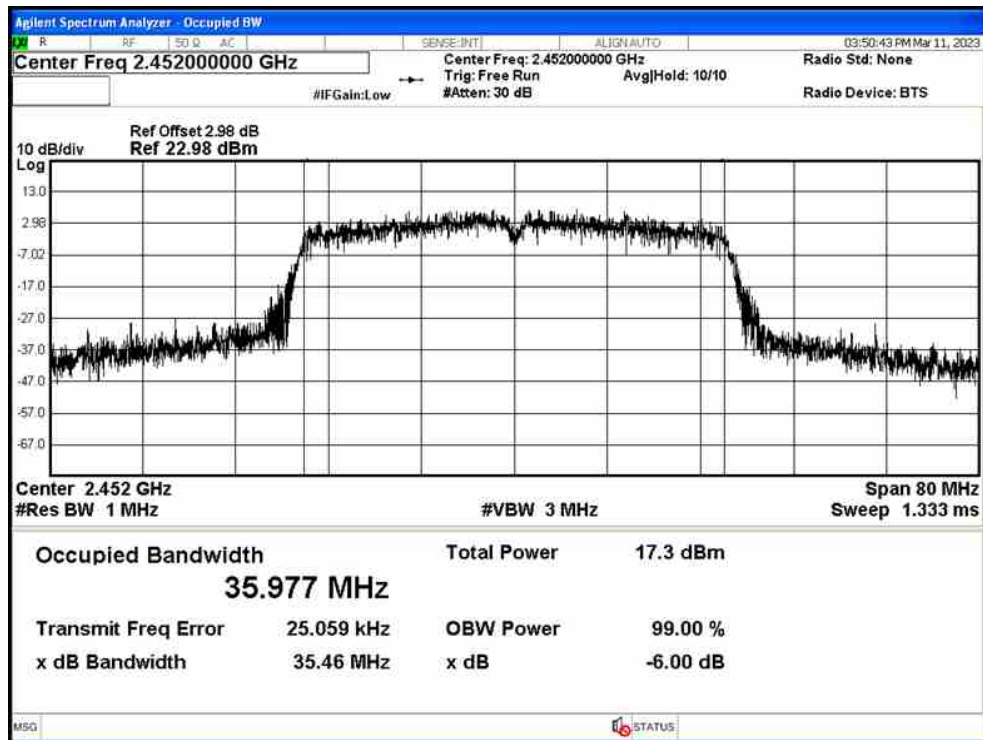
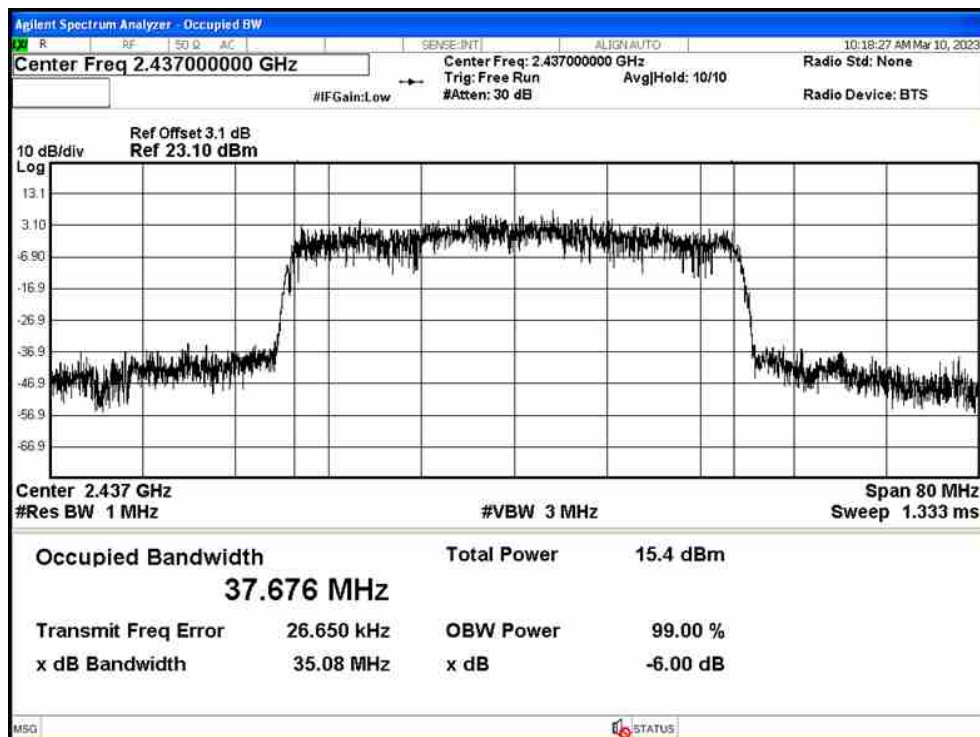
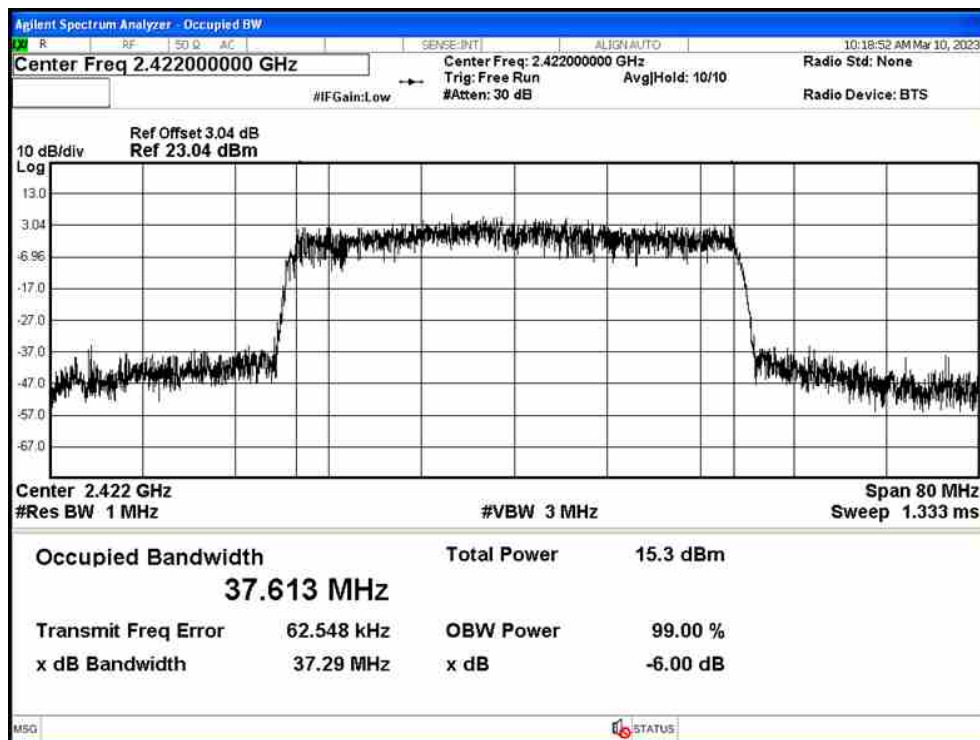
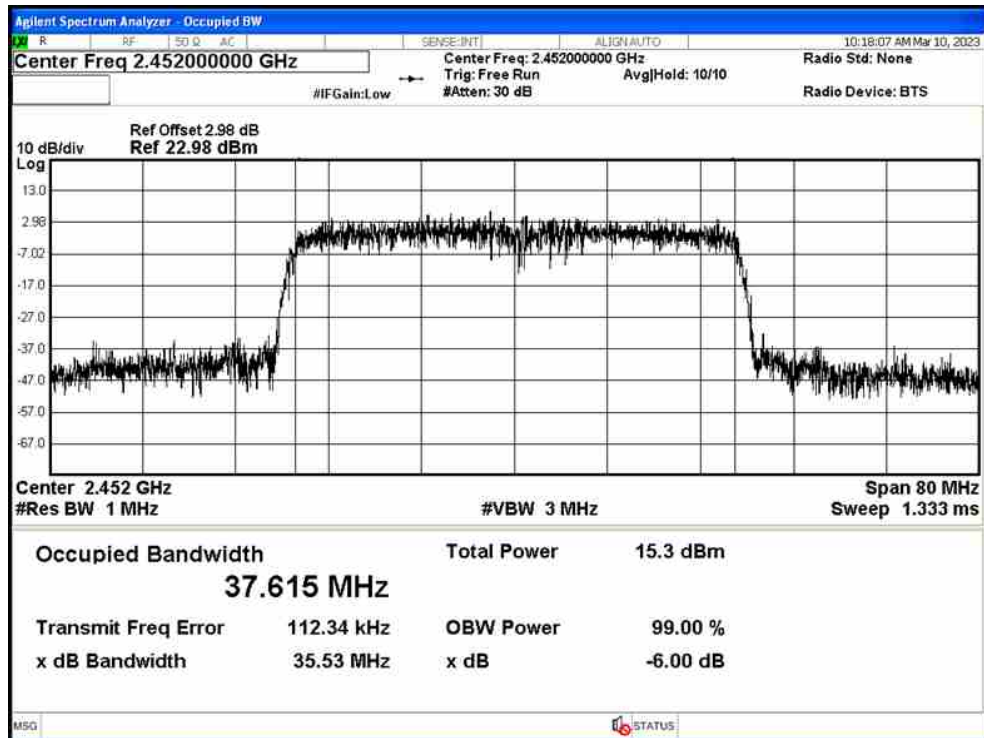




Wi-Fi 802.11 ax(HE40) mode, MCS0

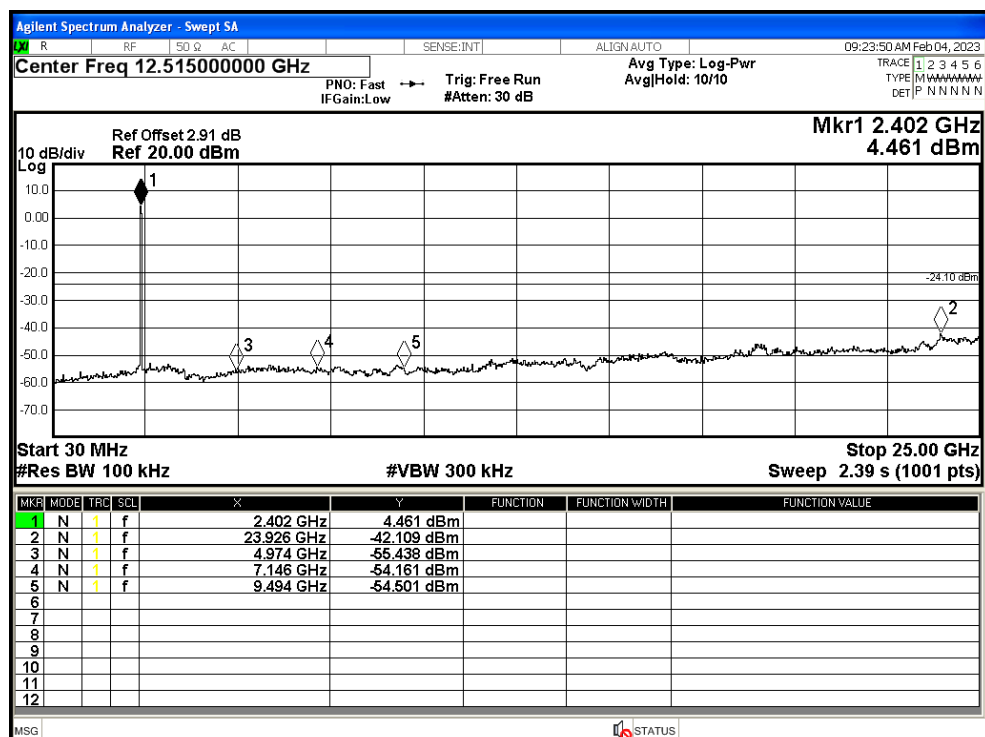
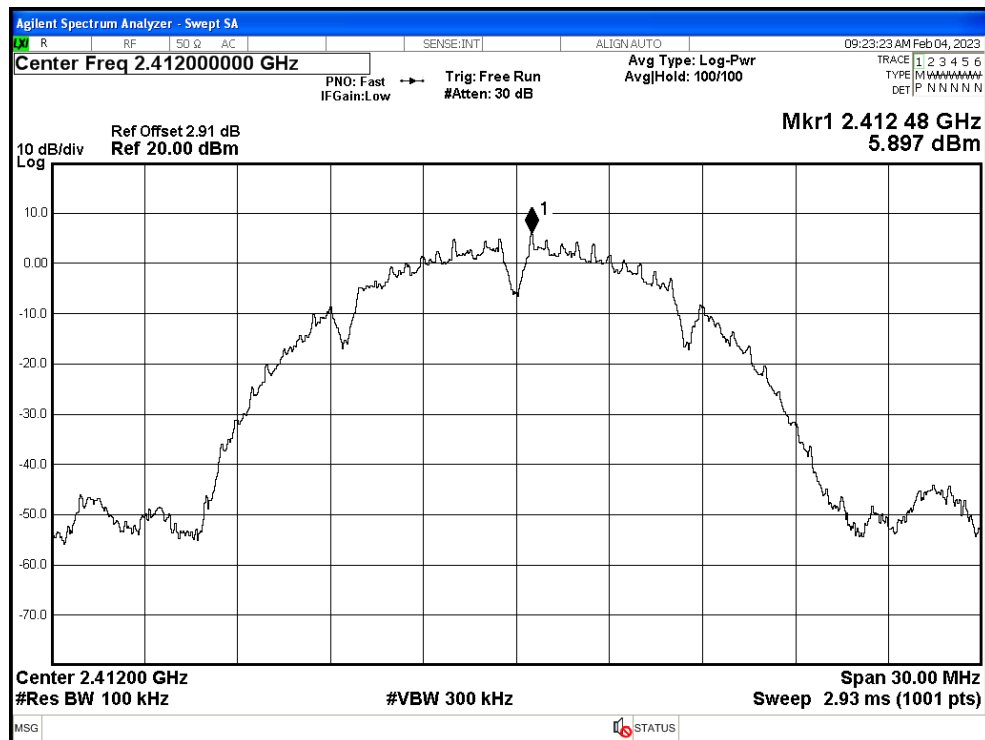


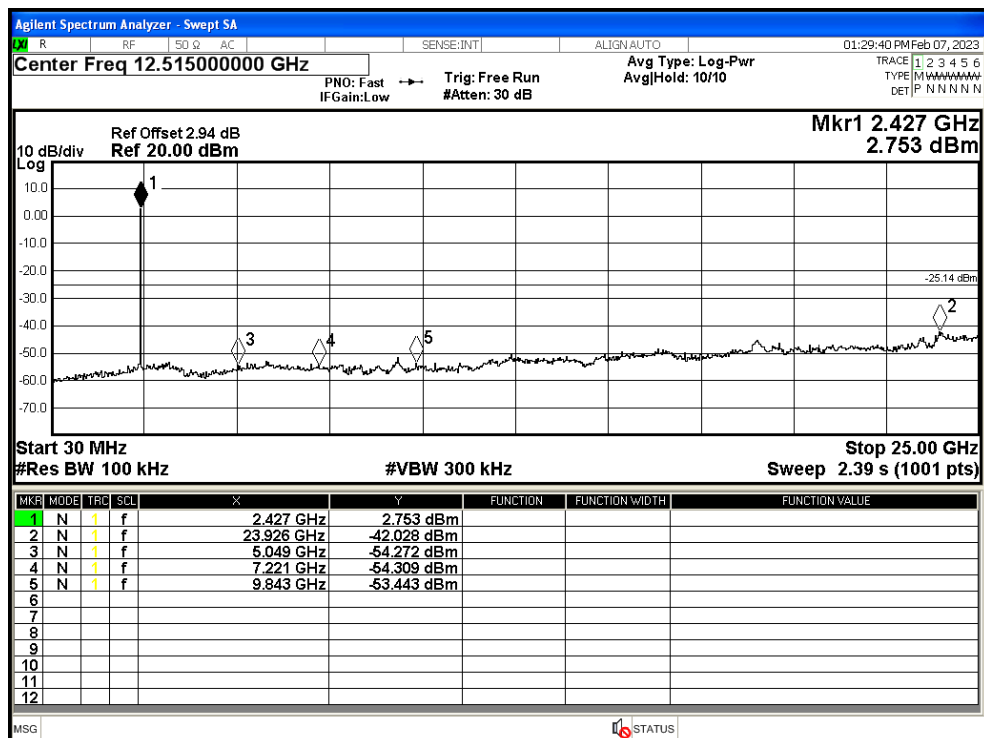
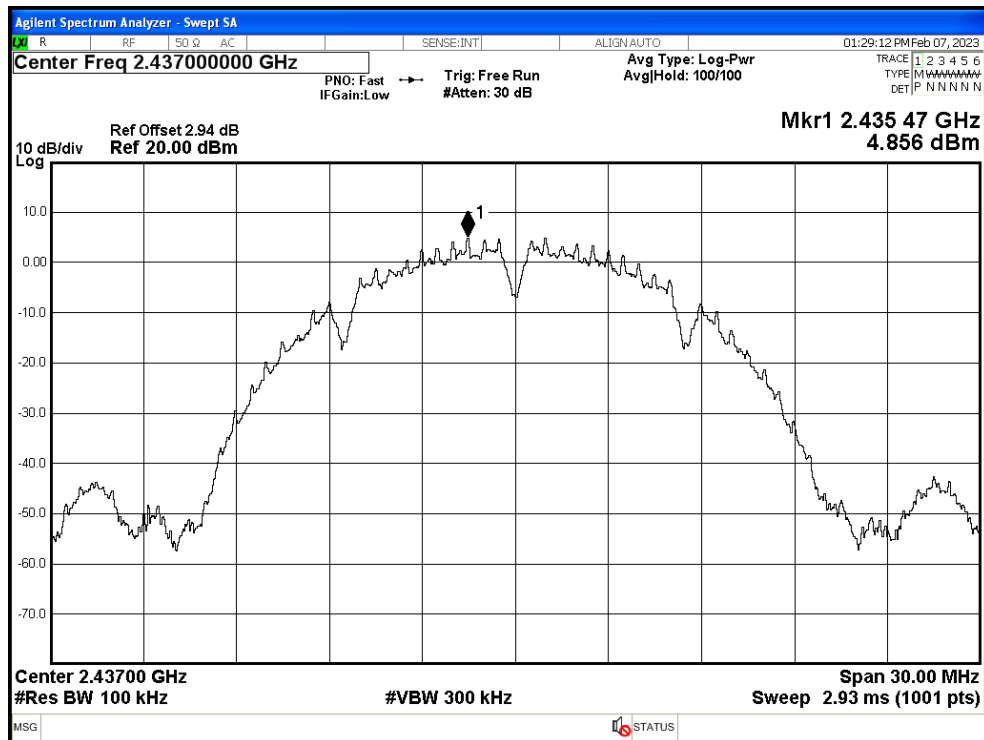


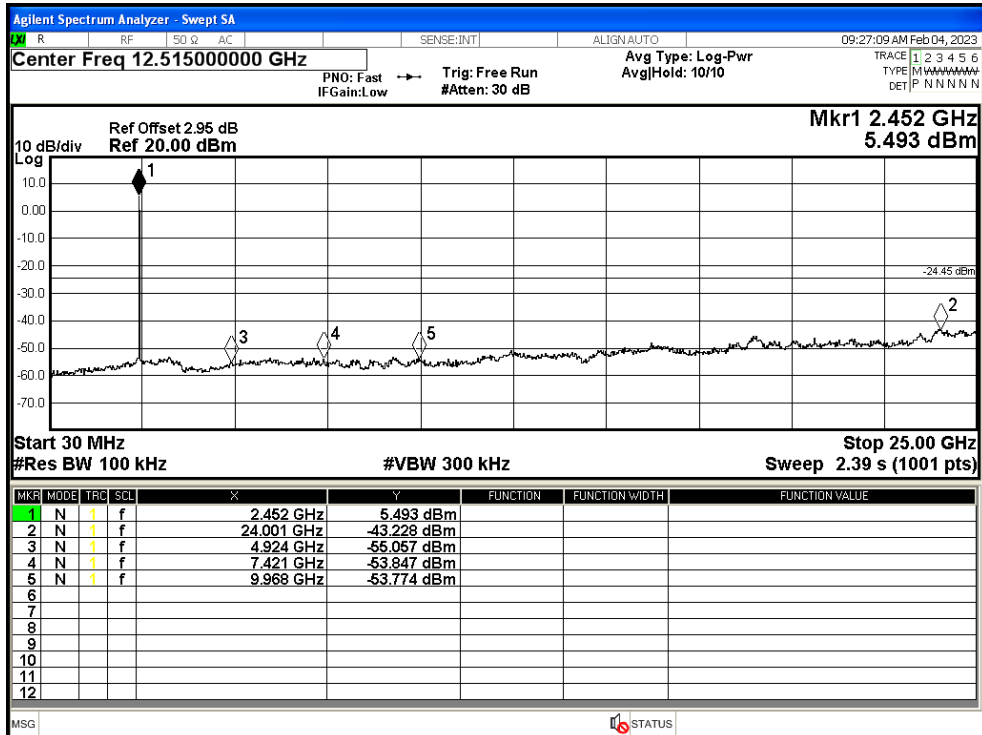
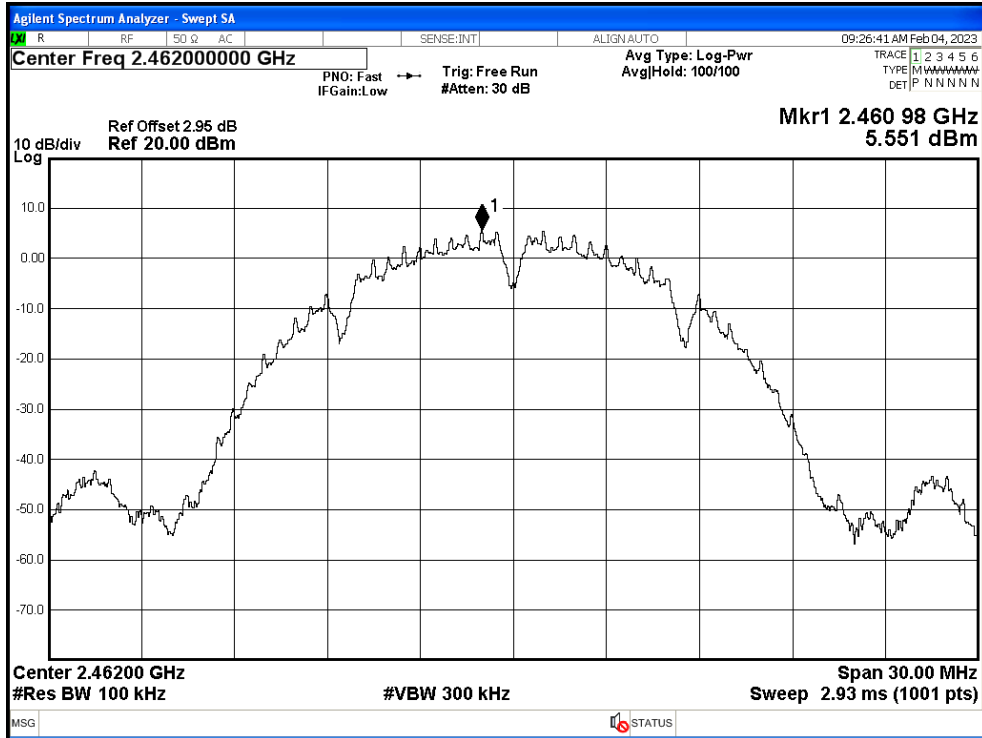
Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Note: Both antenna 1 and 2 have been test, only show the worst data of Antenna 1.

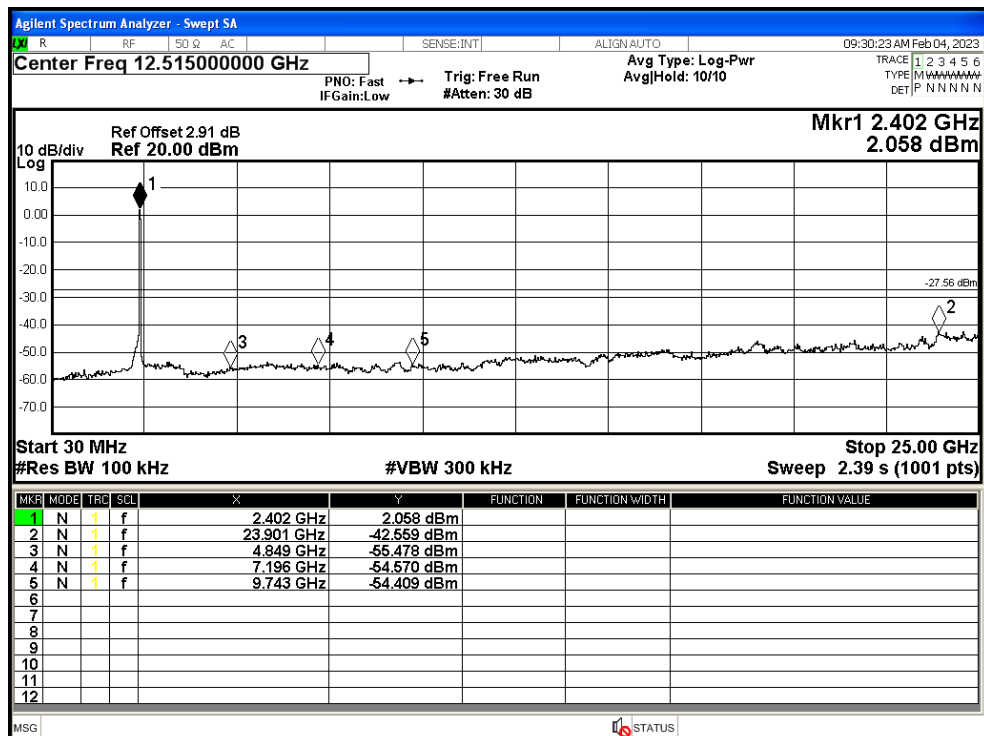
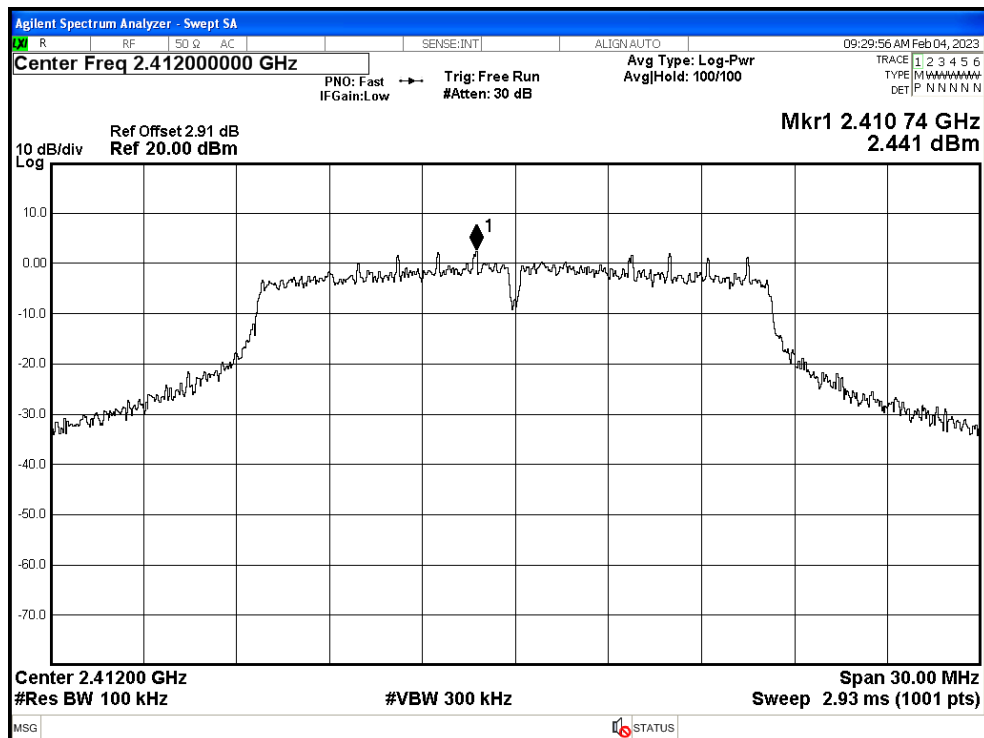
Wi-Fi 802.11 b mode, 1 Mbps

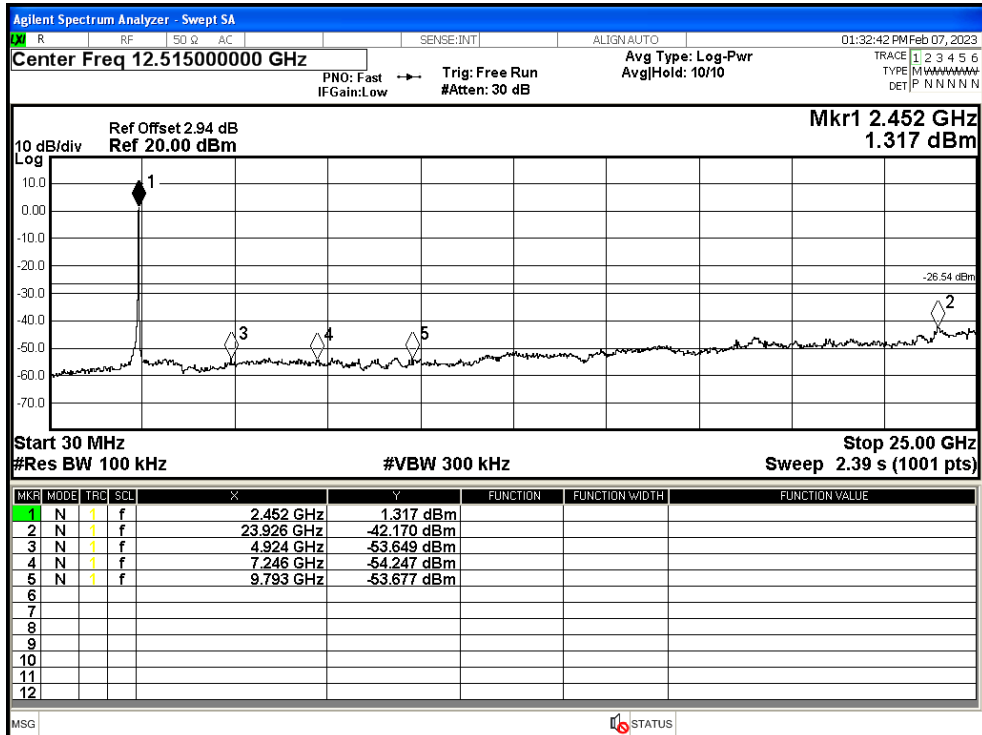
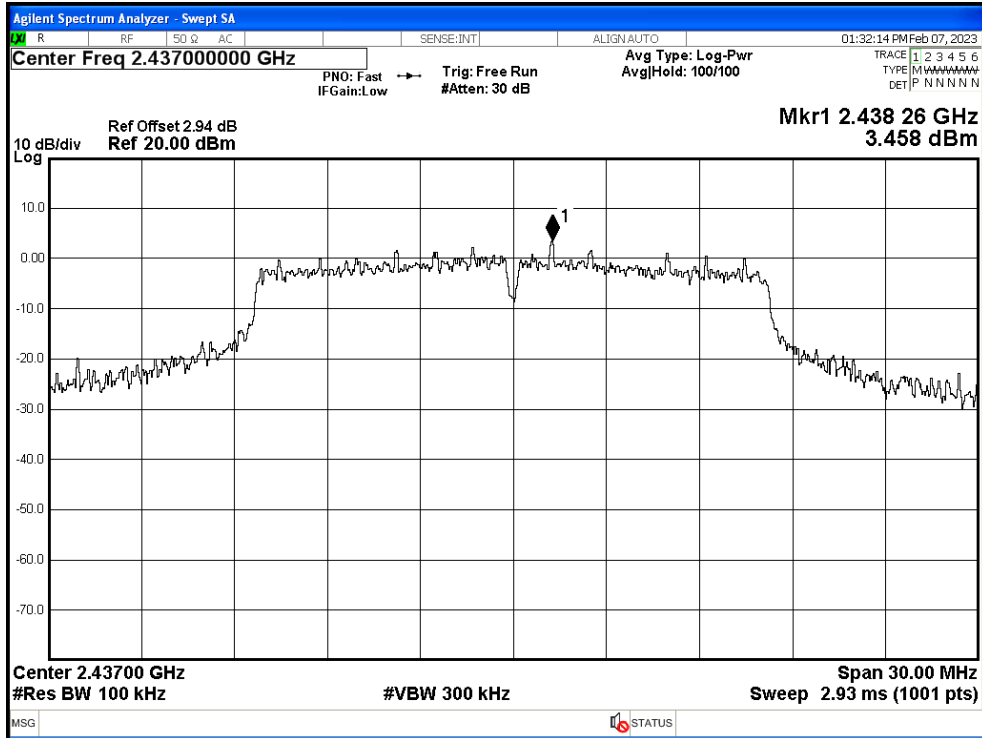


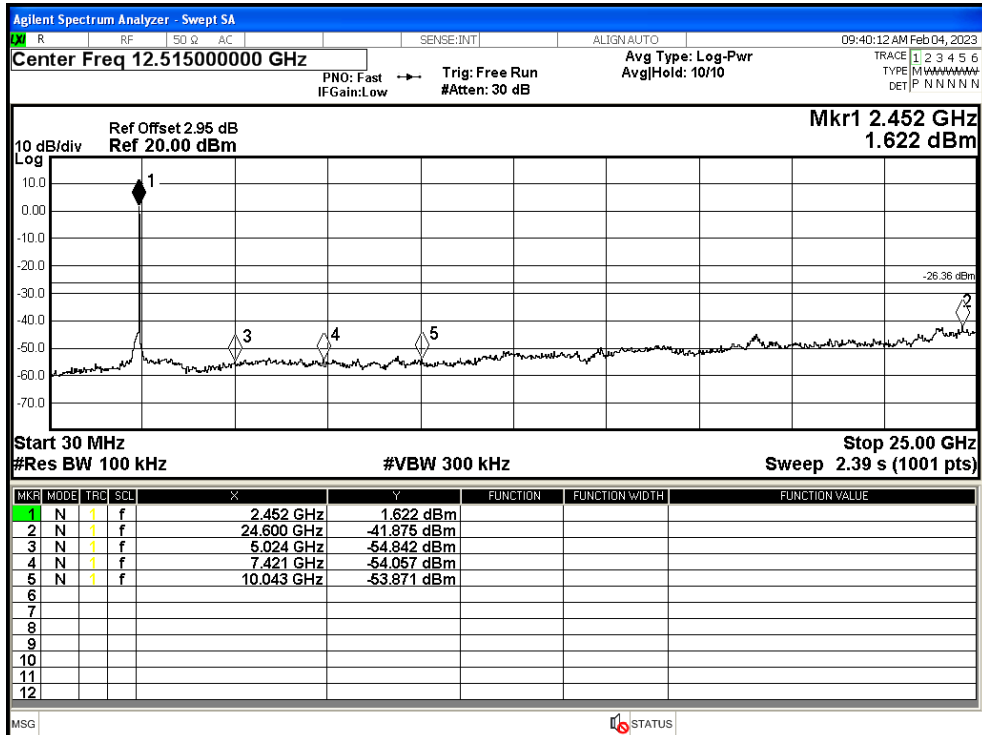
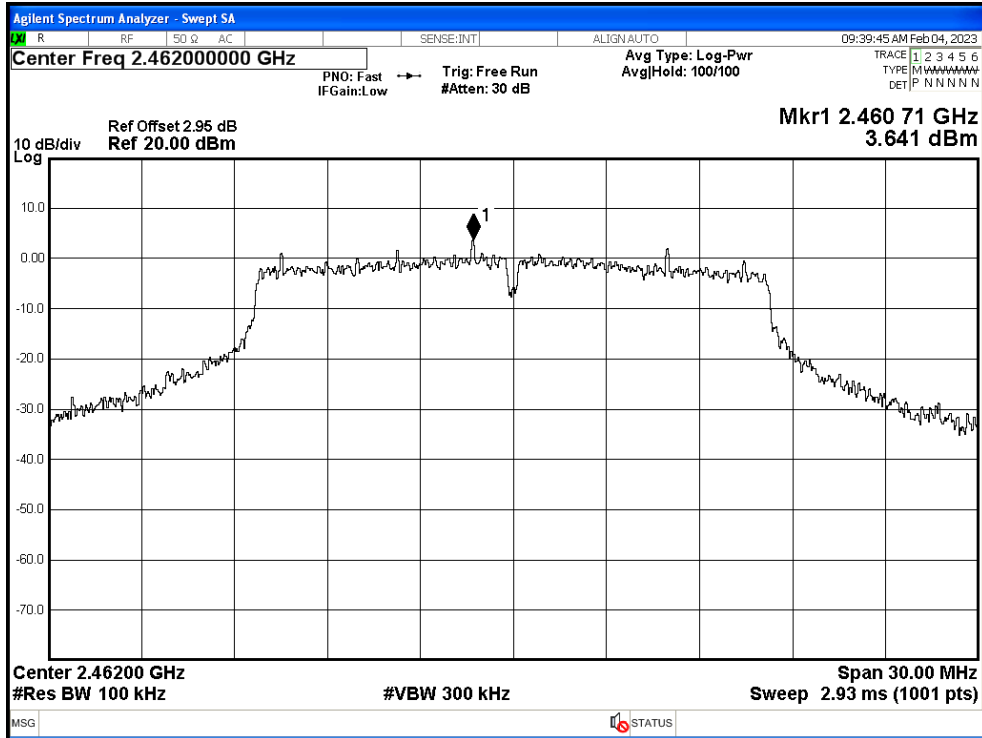




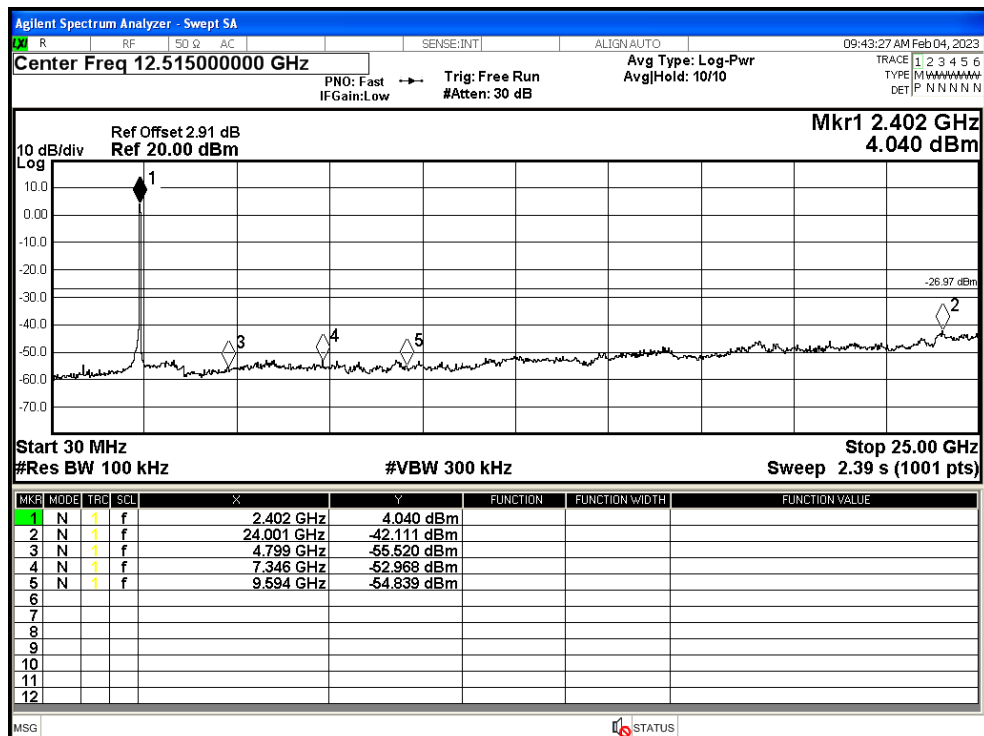
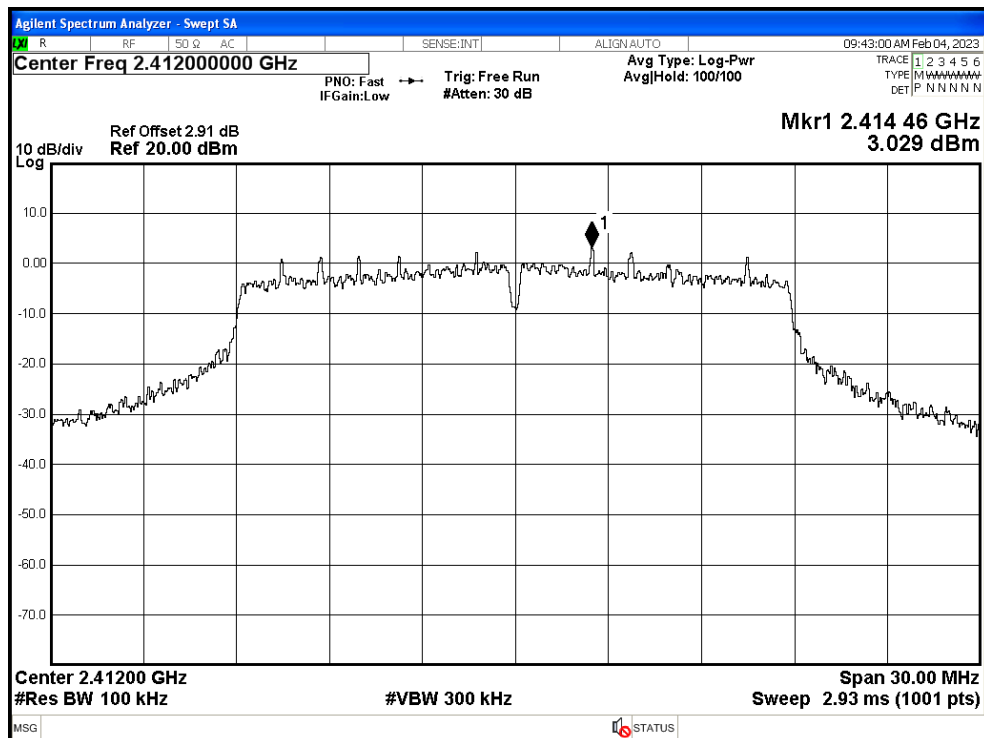
Wi-Fi 802.11 g mode, 6 Mbps

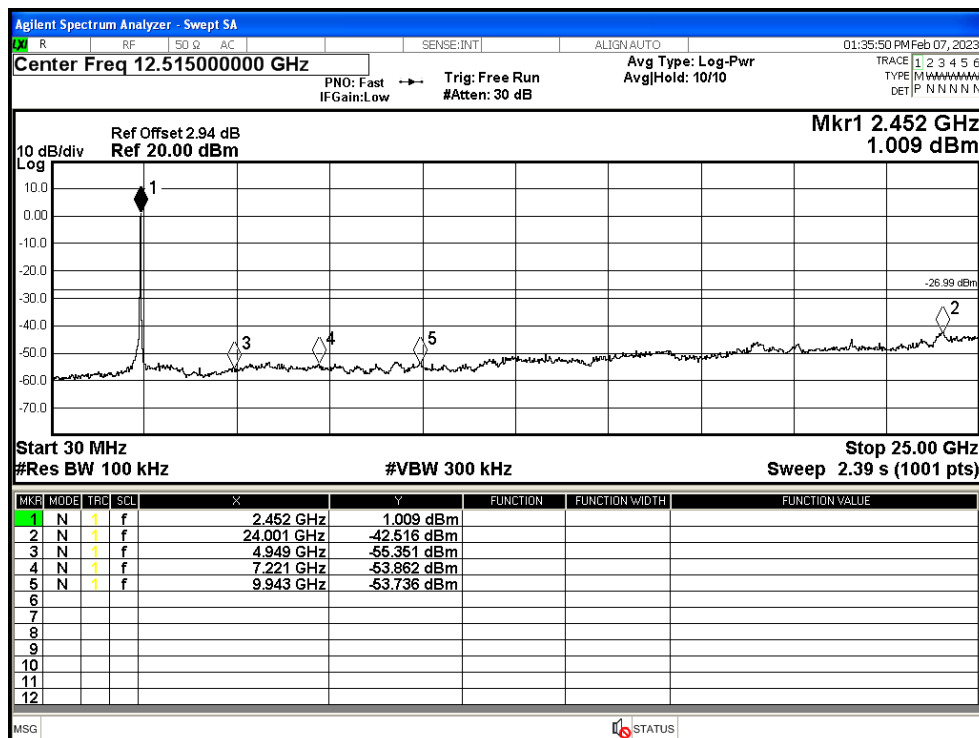


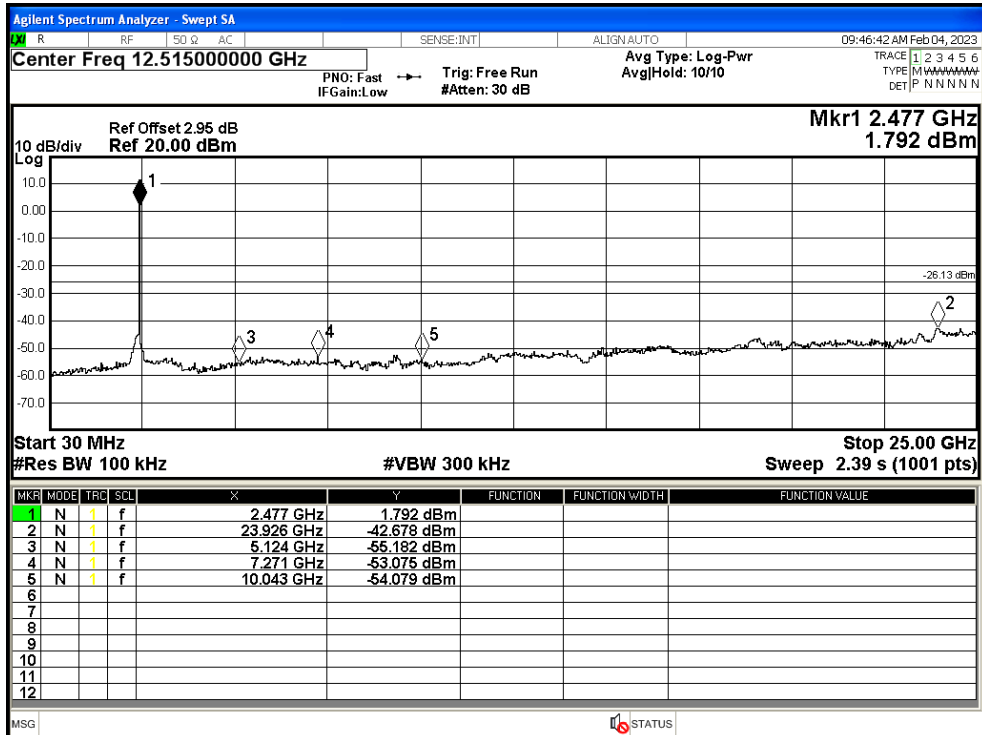
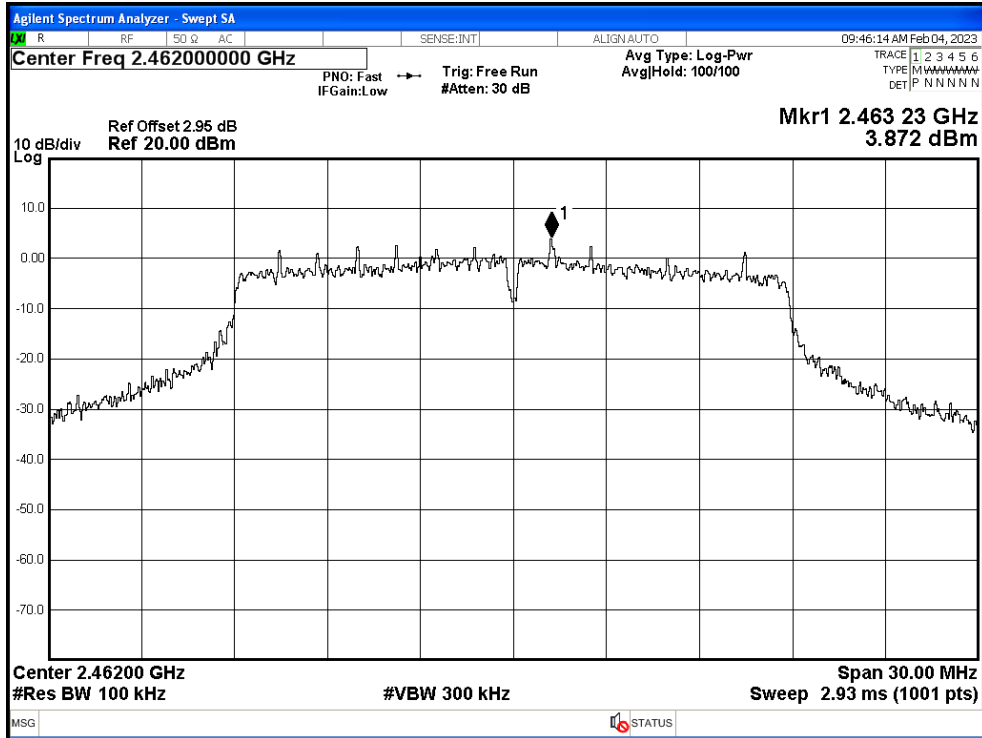




Wi-Fi 802.11 n(HT20) mode, MCS0







Agilent Spectrum Analyzer - Swept SA

09:59:14 AM Feb 04, 2023

Center Freq 2.41200000 GHz

PNO: Fast → Trig: Free Run
IFGain: Low #Atten: 30 dB

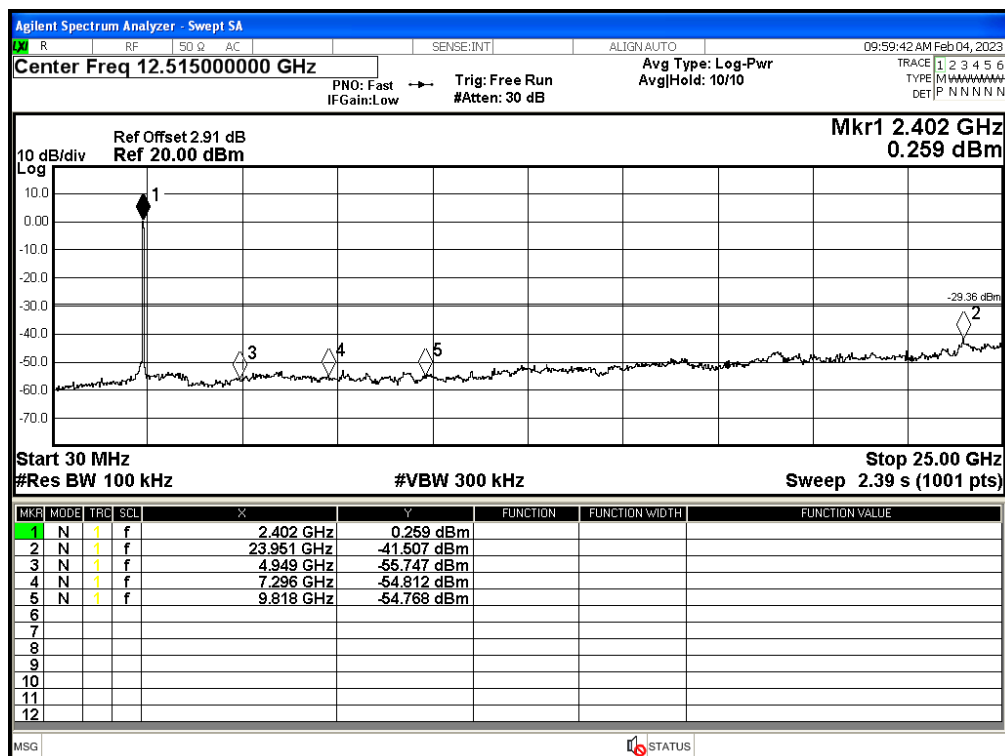
Avg Type: Log-Pwr
Avg/Hold: 100/100

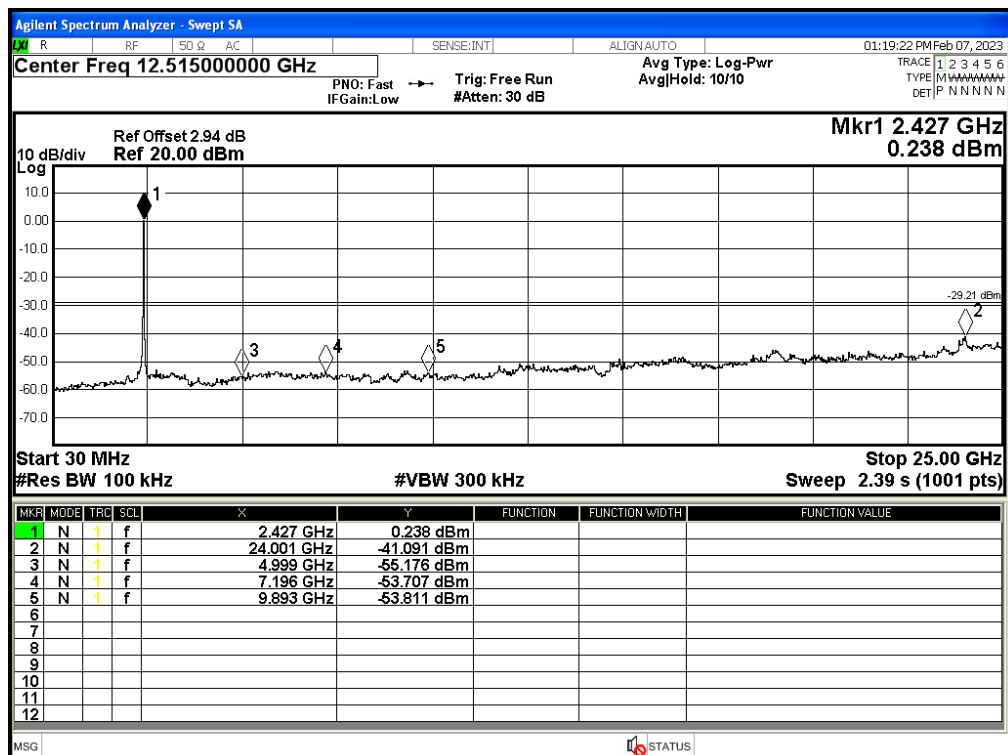
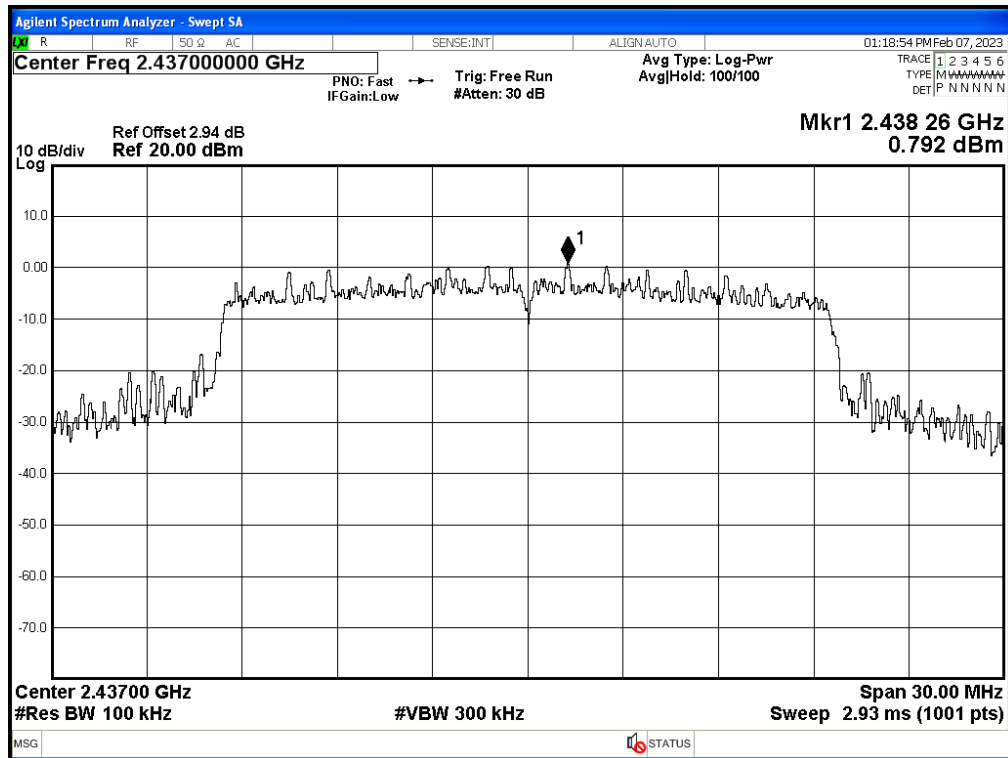
Ref Offset 2.91 dB
Ref 20.00 dBm

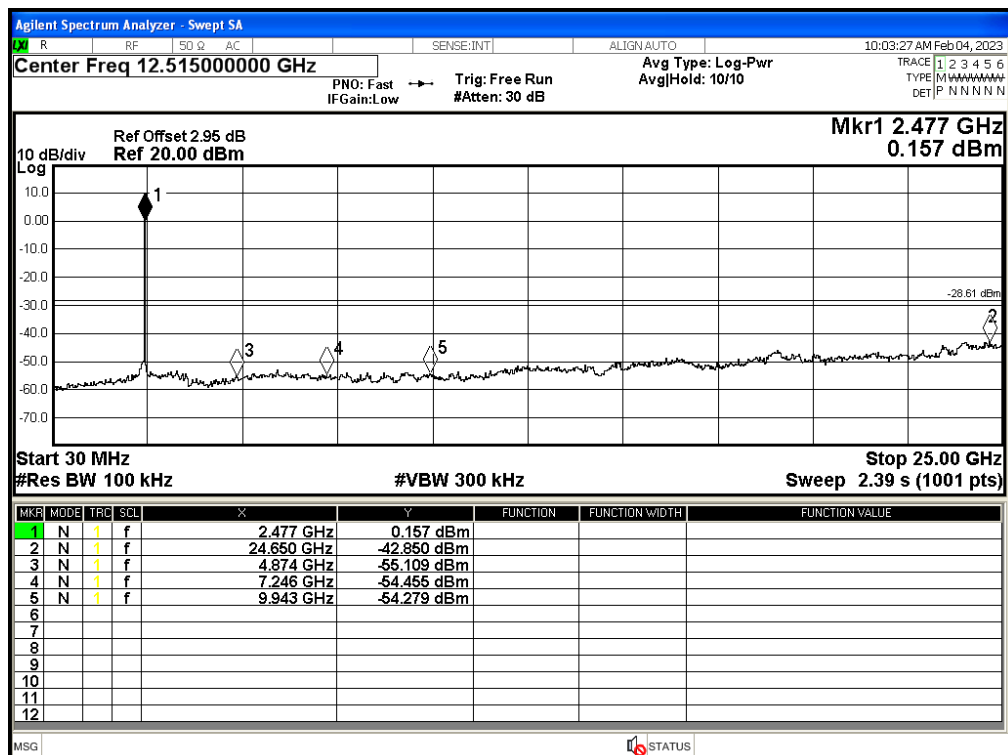
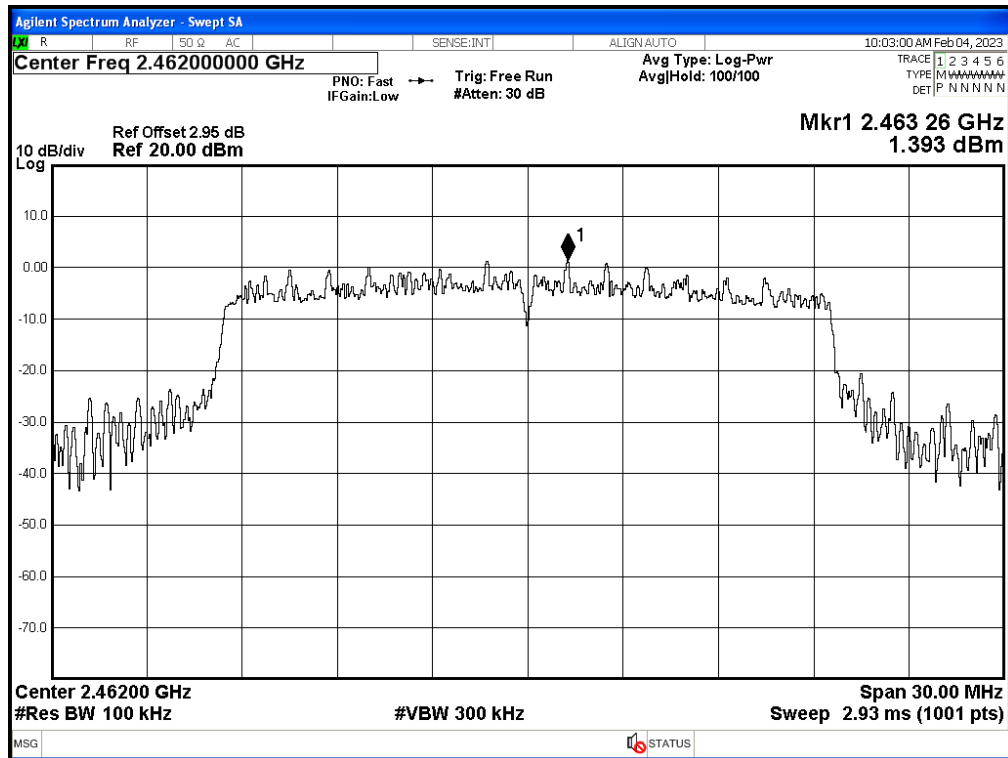
Mkr1 2.414 49 GHz
0.644 dBm

10 dB/div
Log

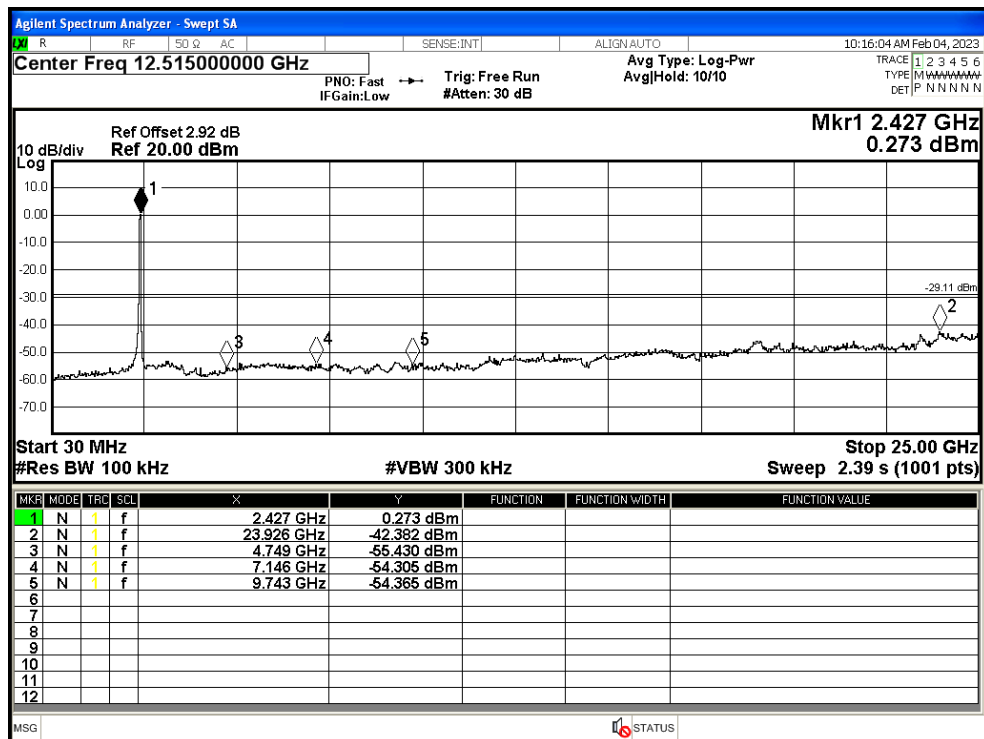
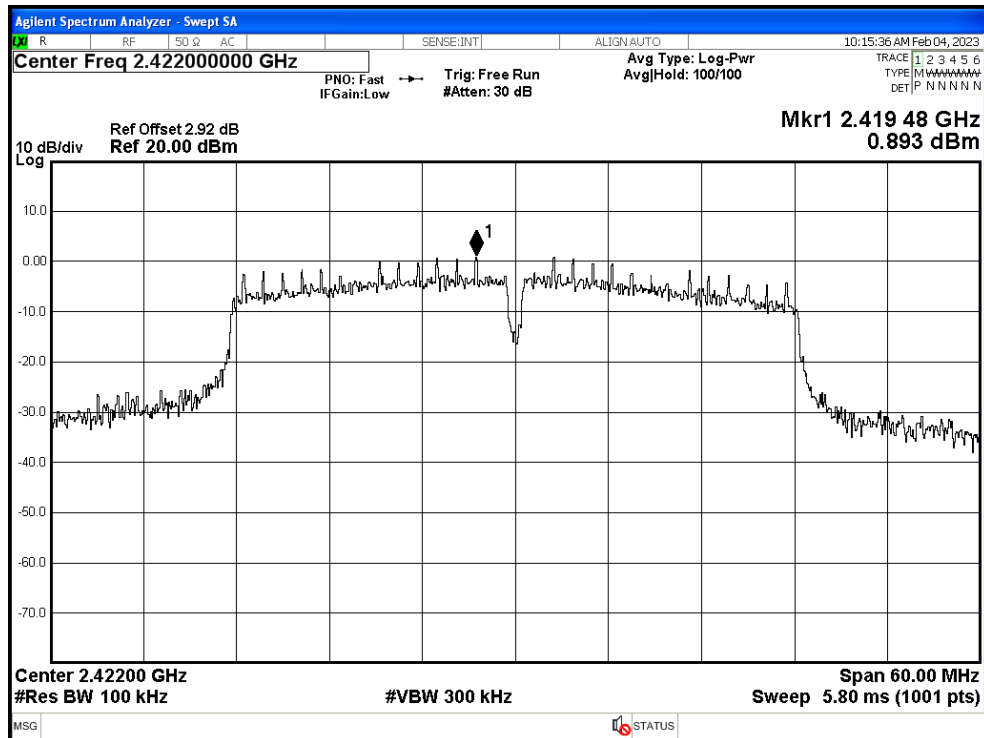
Center 2.41200 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.93 ms (1001 pts)

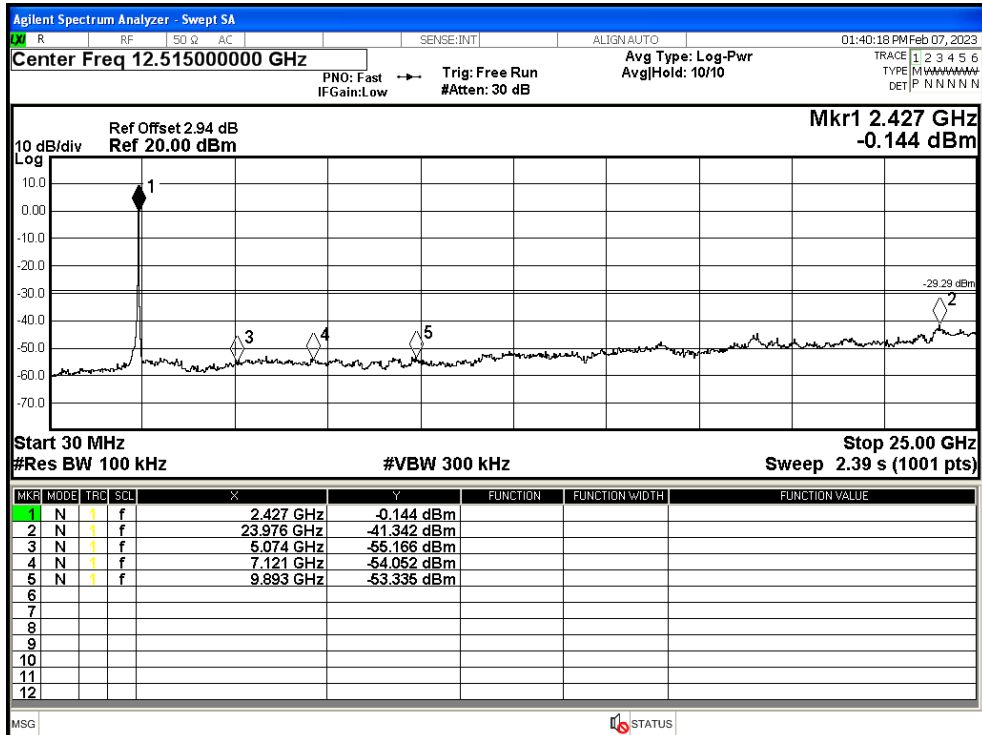
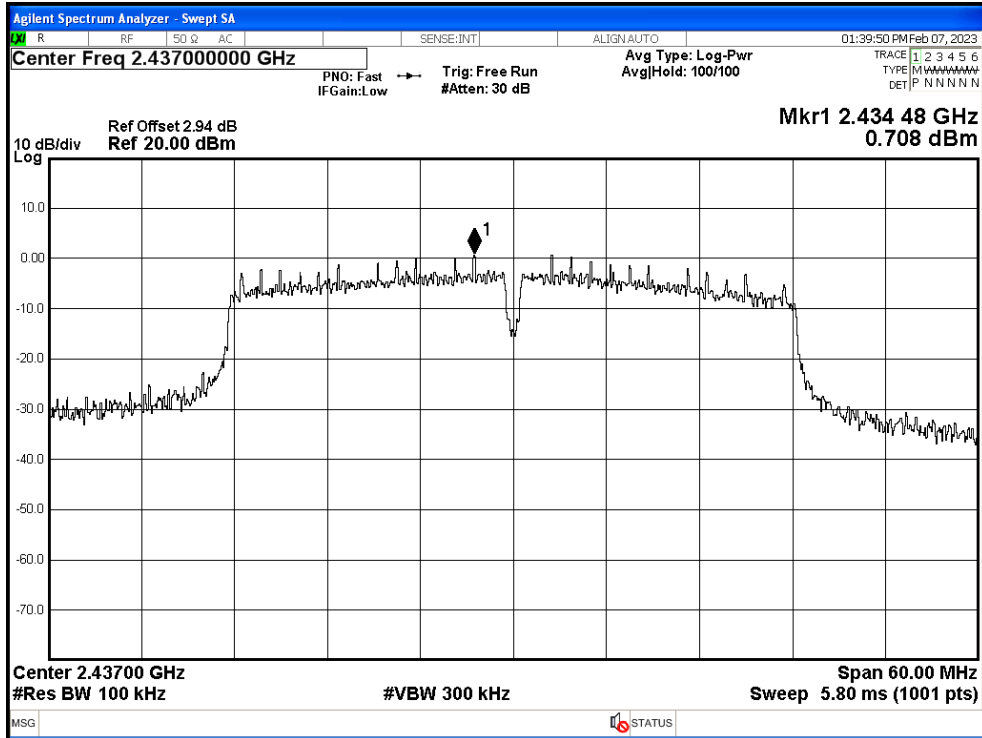


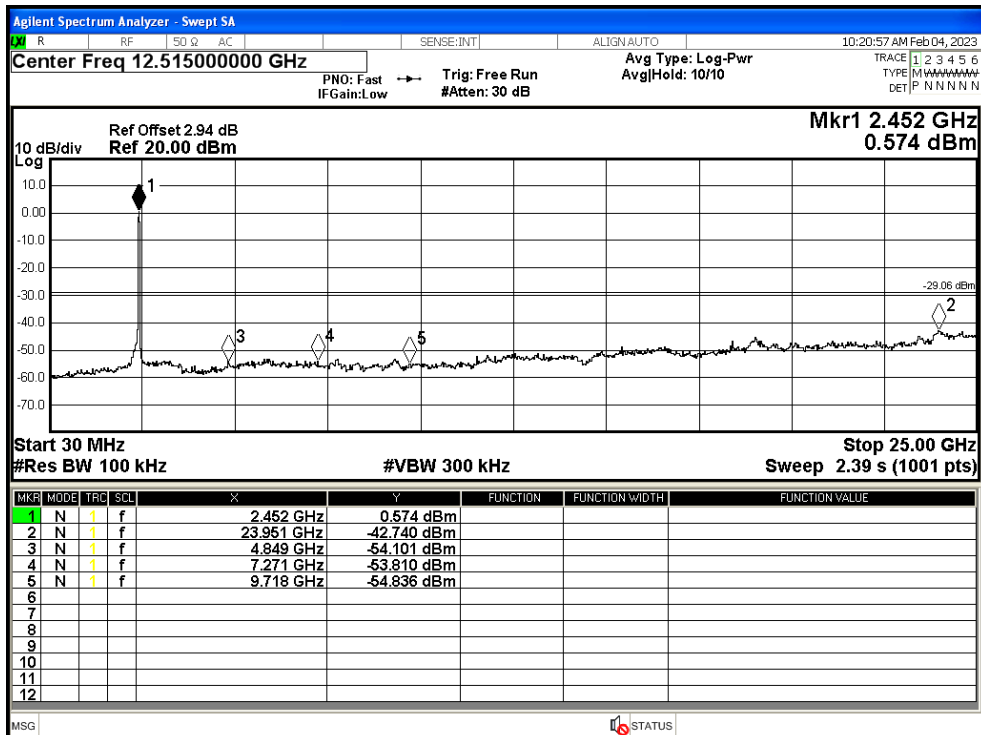
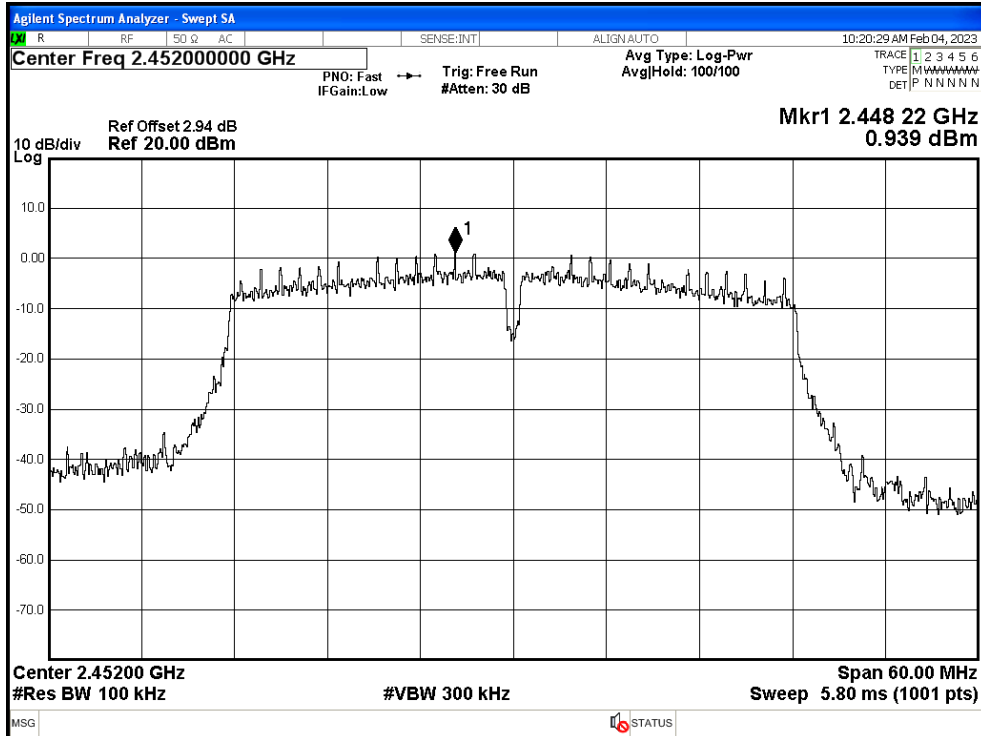




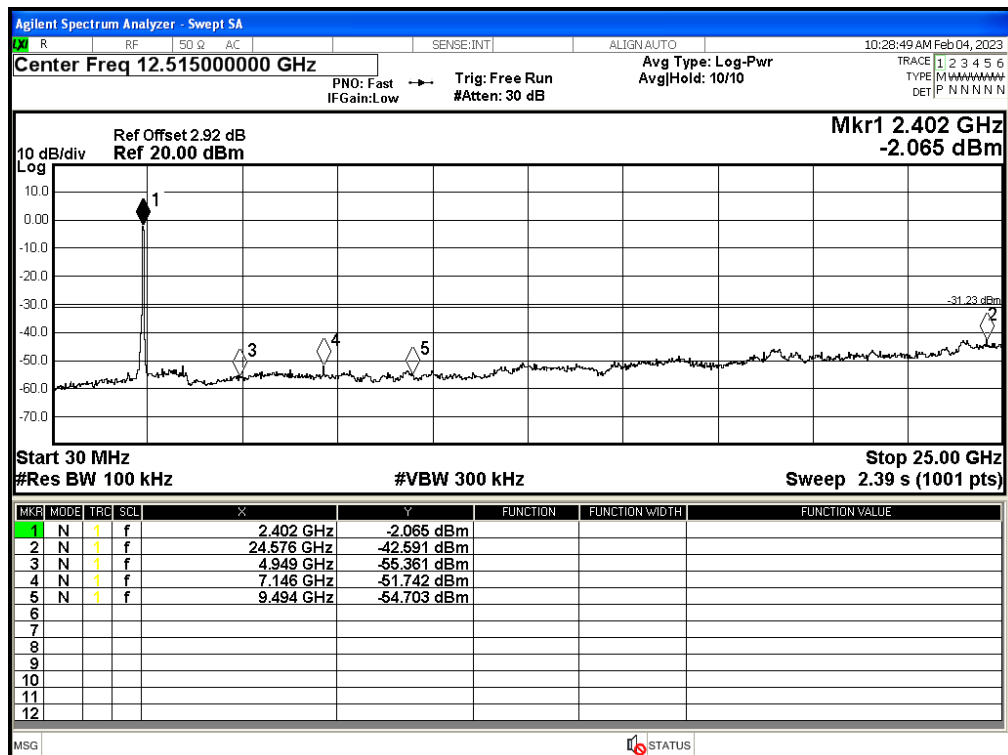
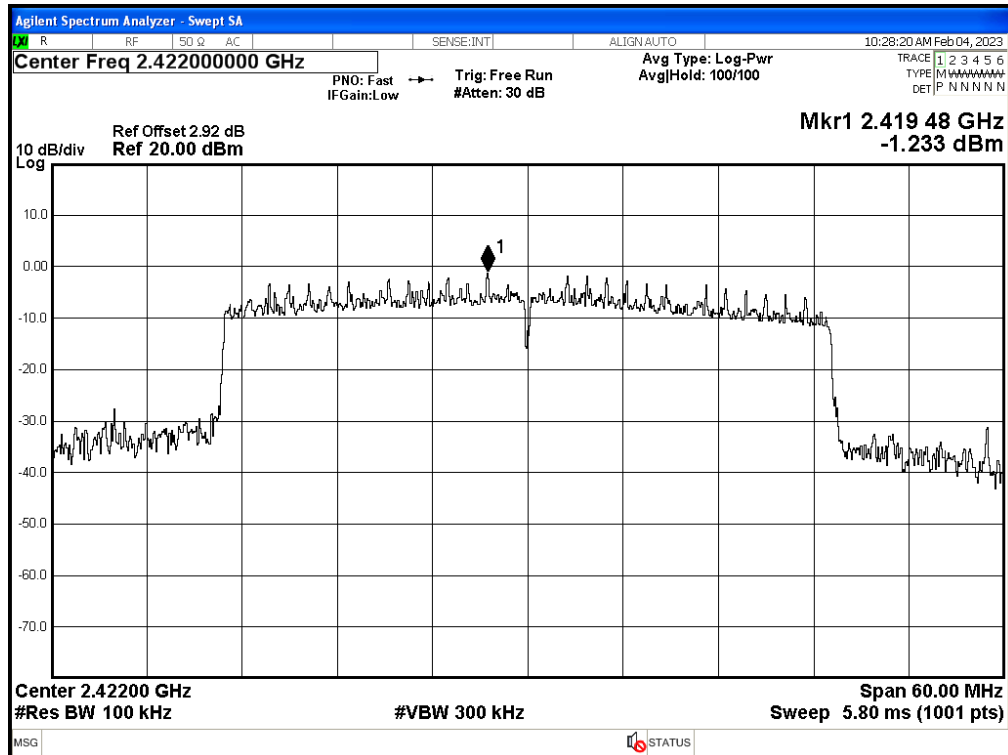
Wi-Fi 802.11 n(HT40) mode, MCS0

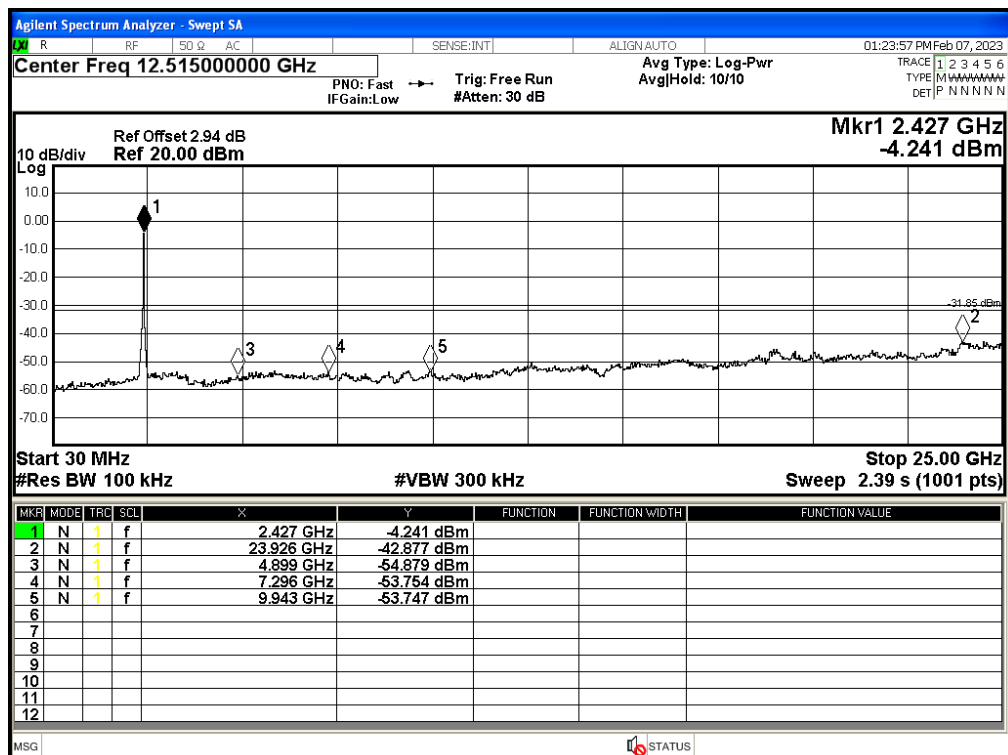
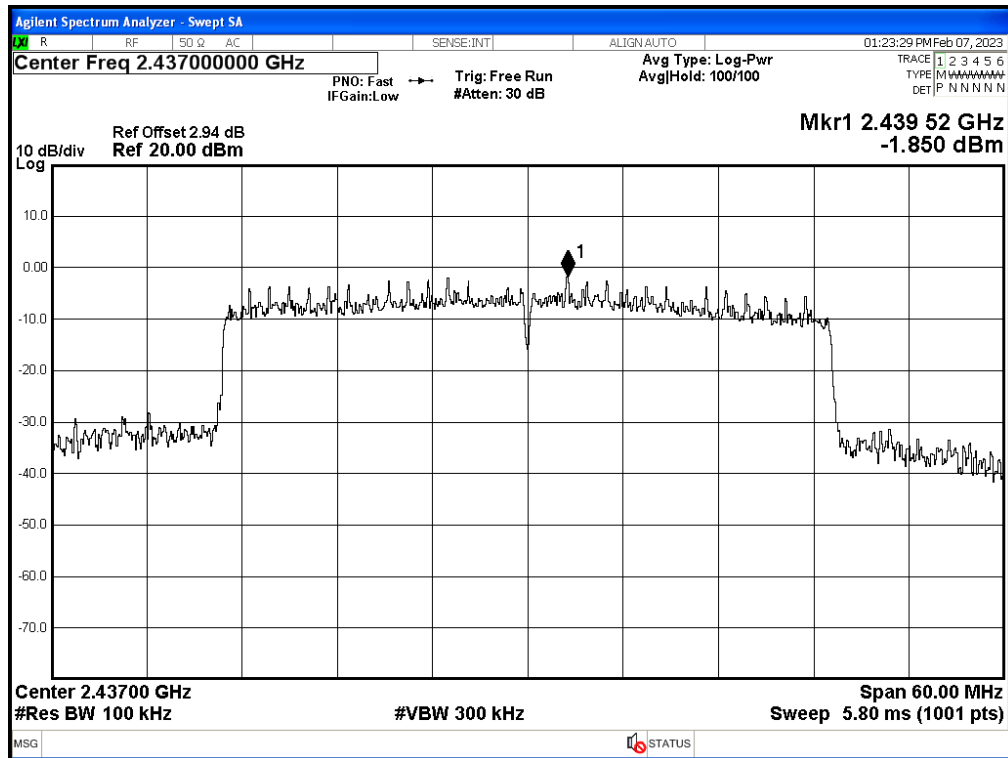


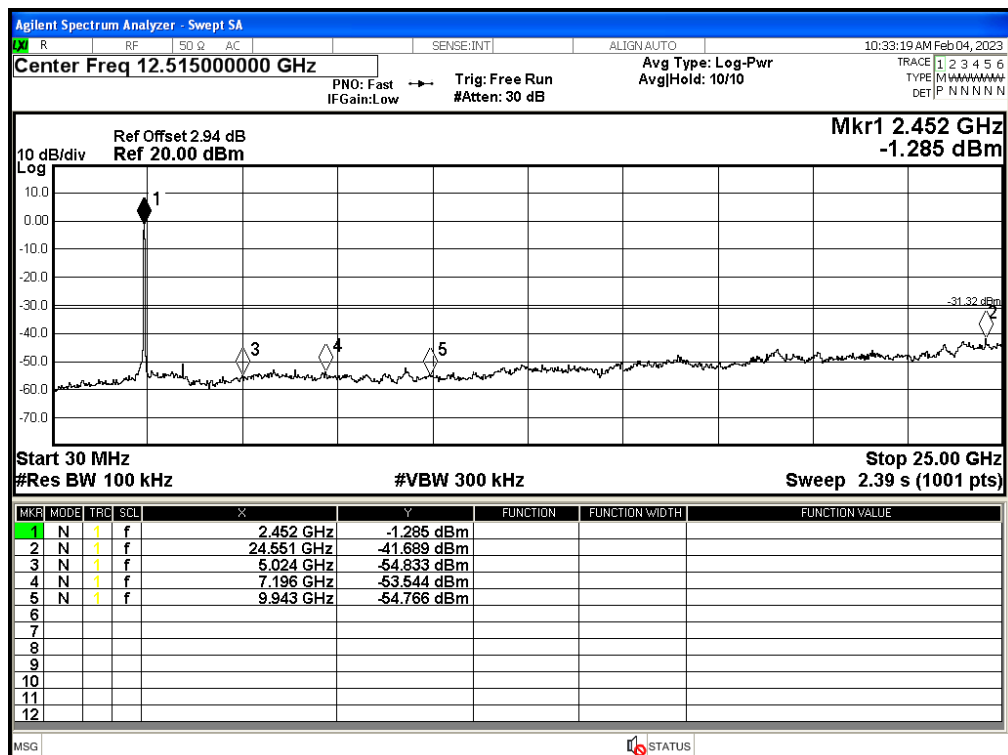
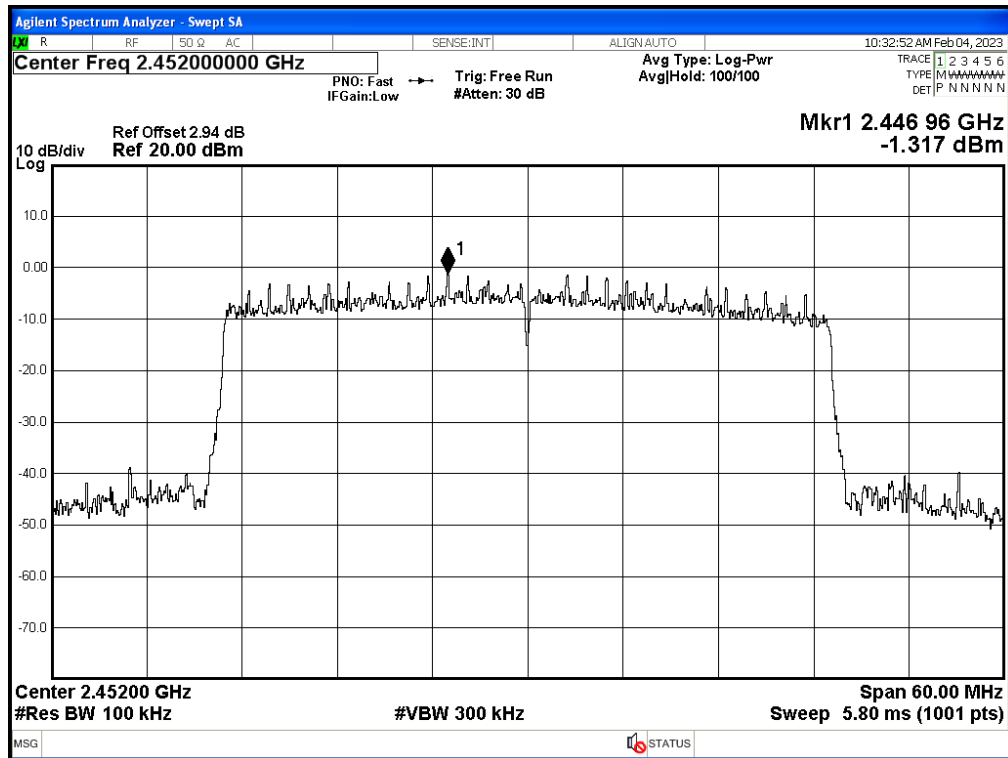


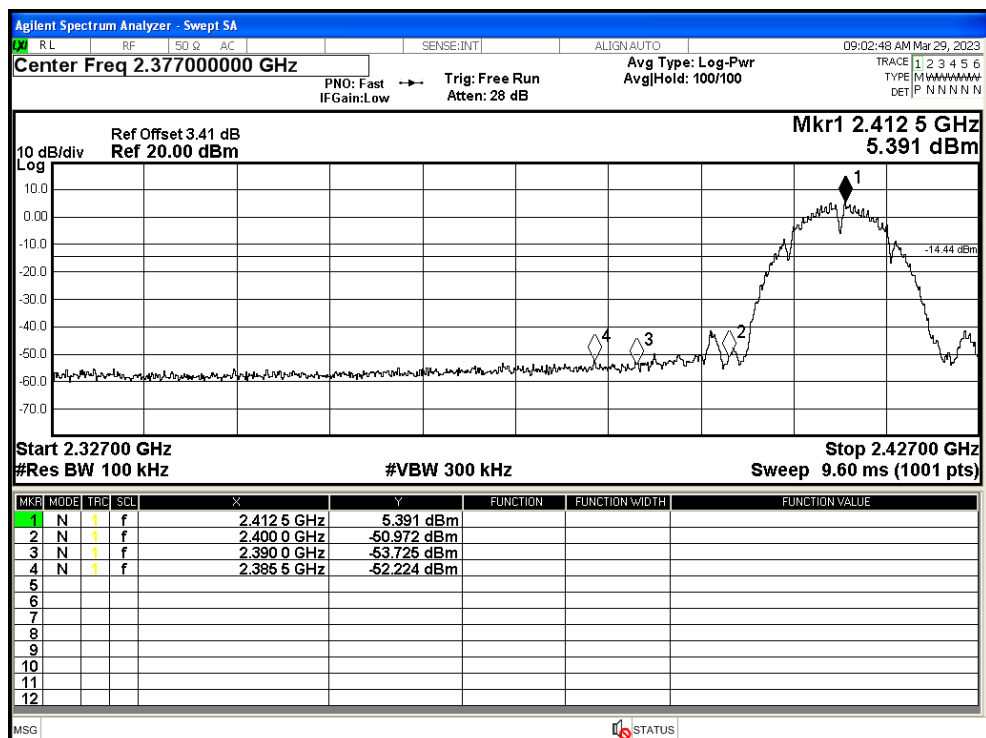


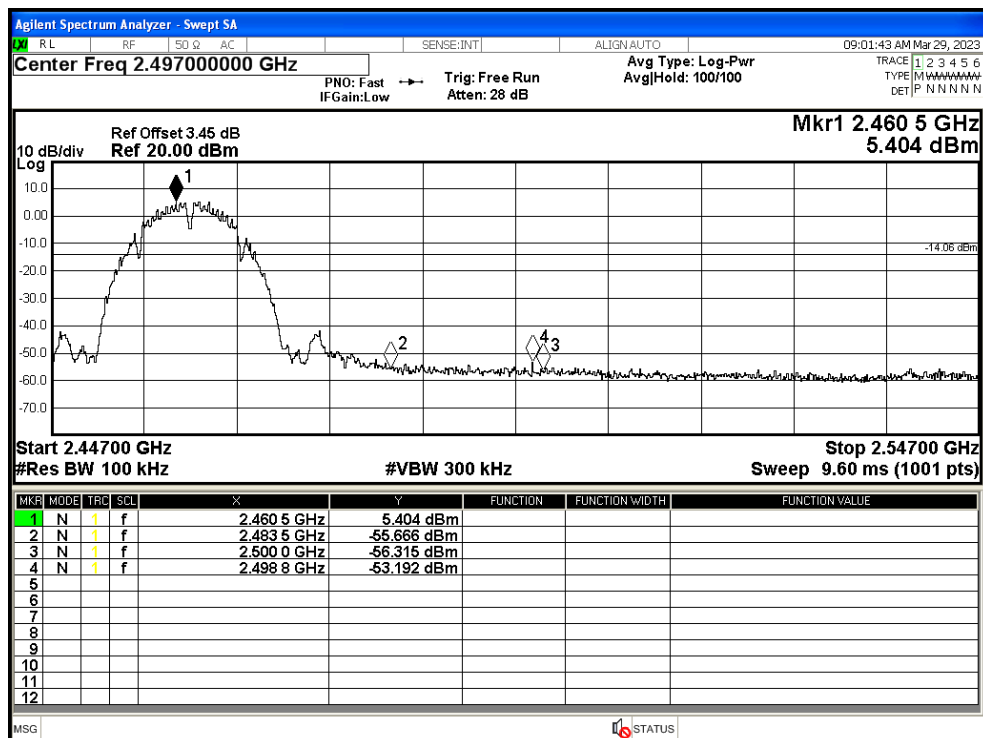
Wi-Fi 802.11 ax(HE40) mode, MCS0

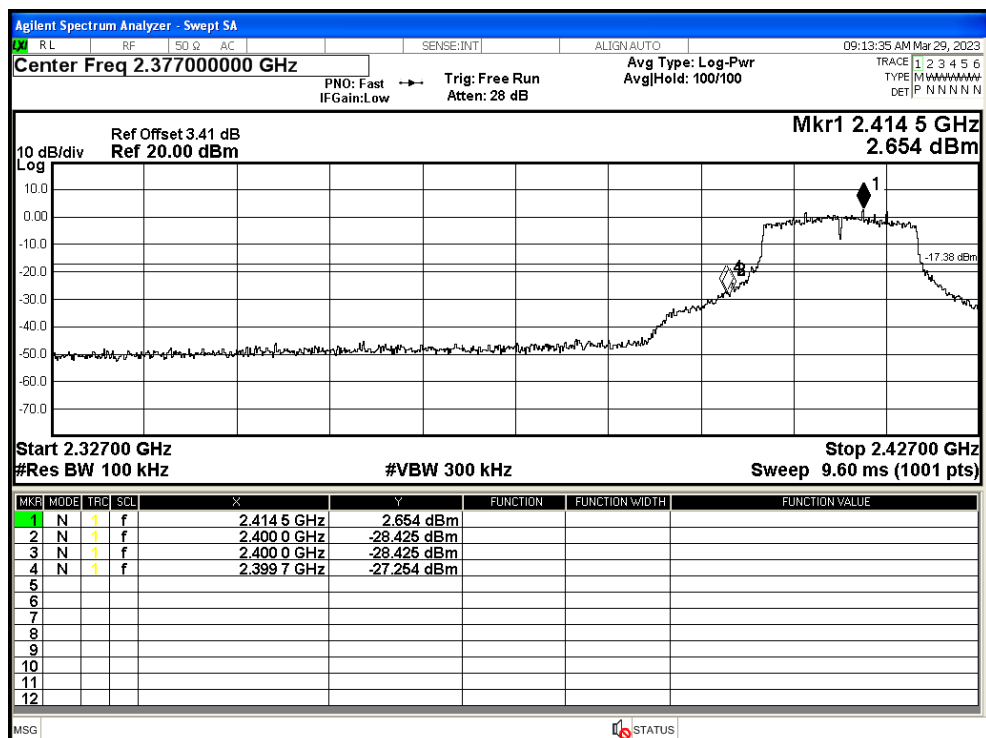


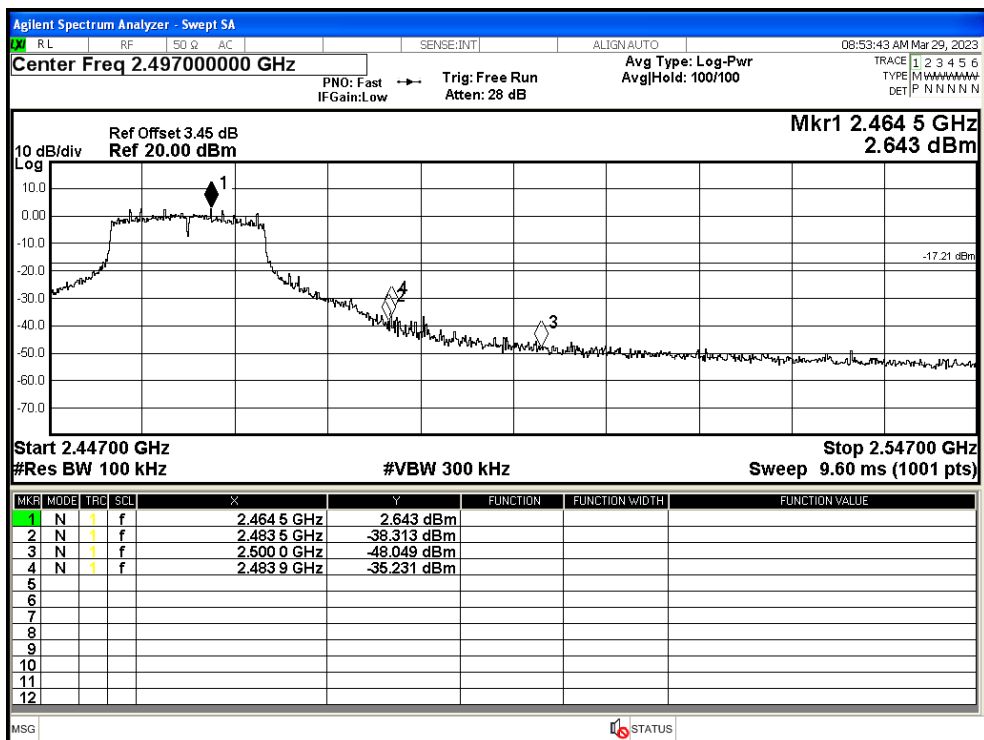


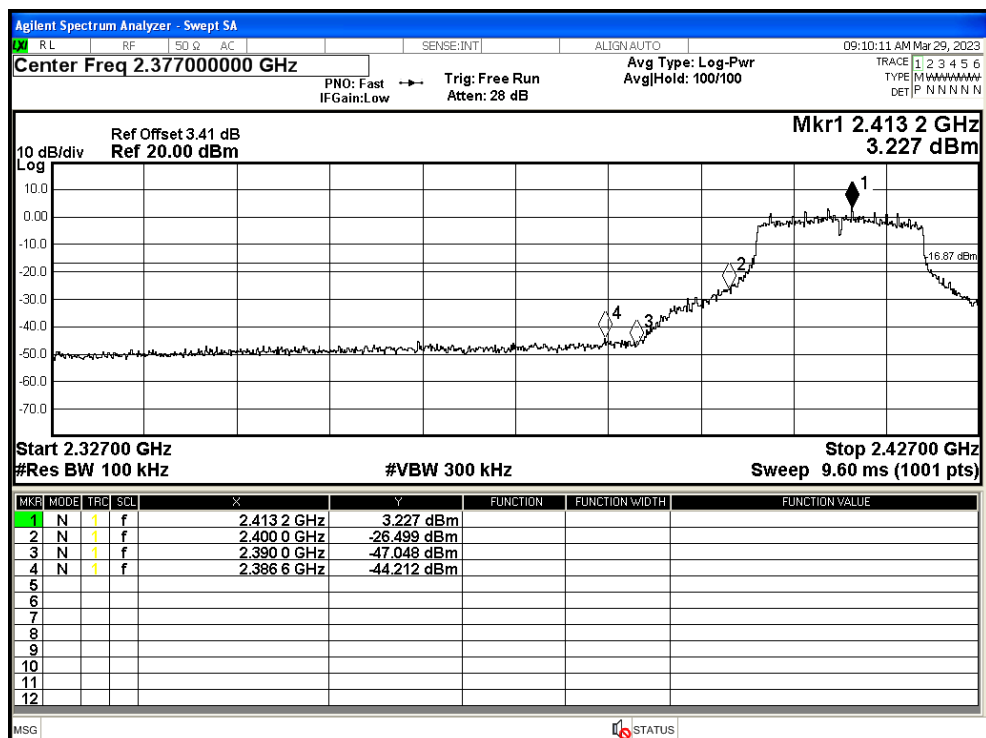


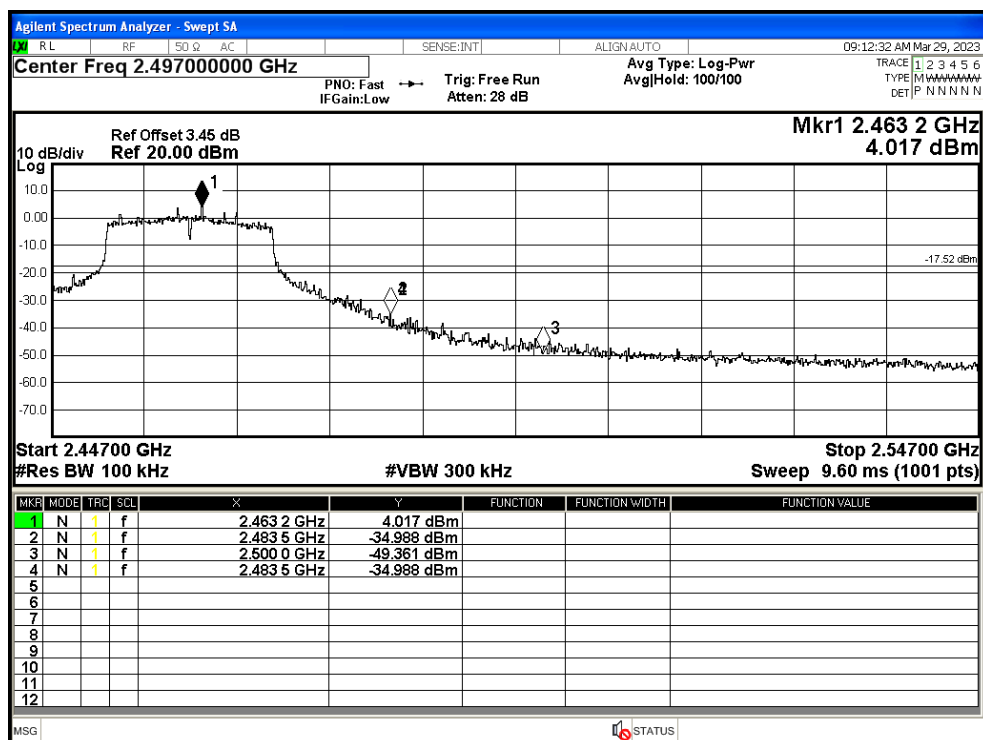
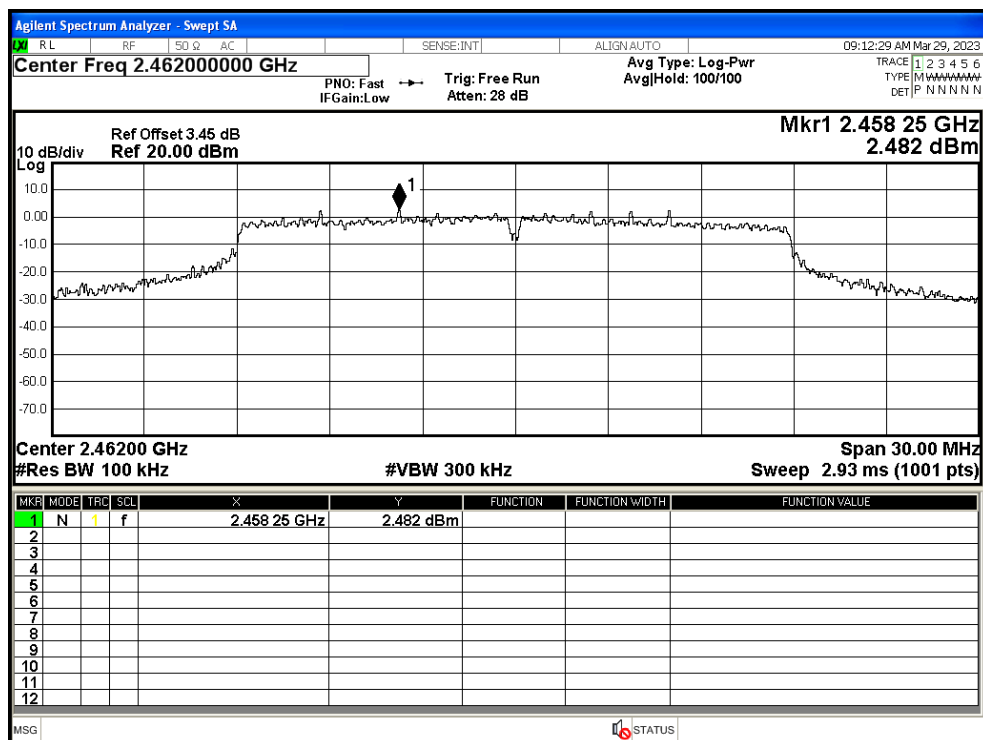


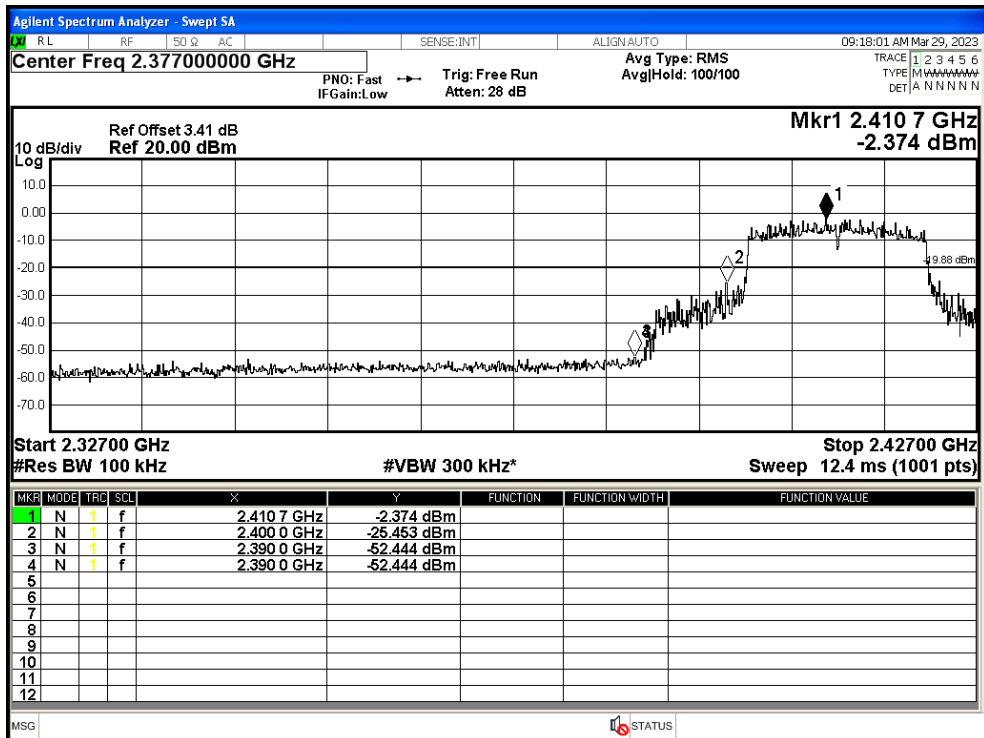


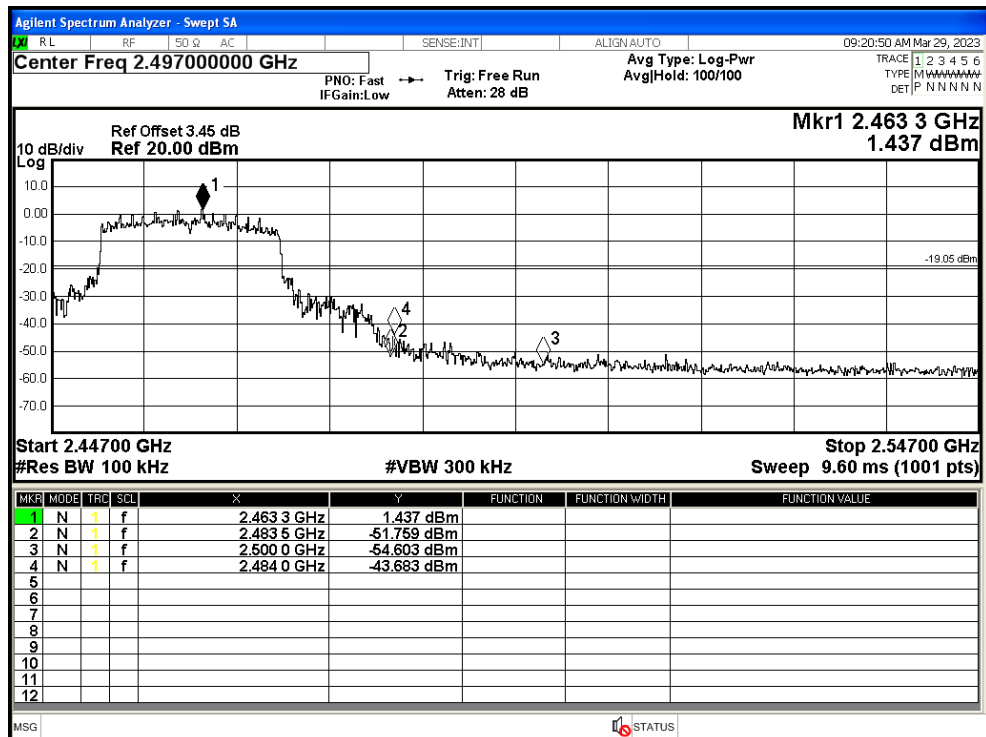




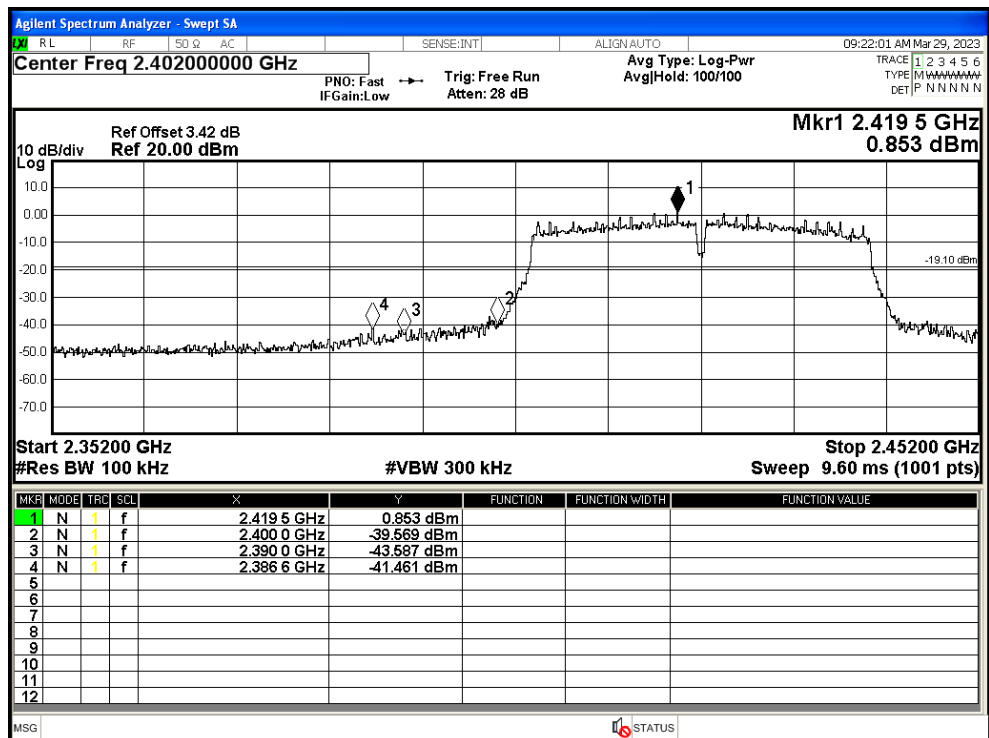
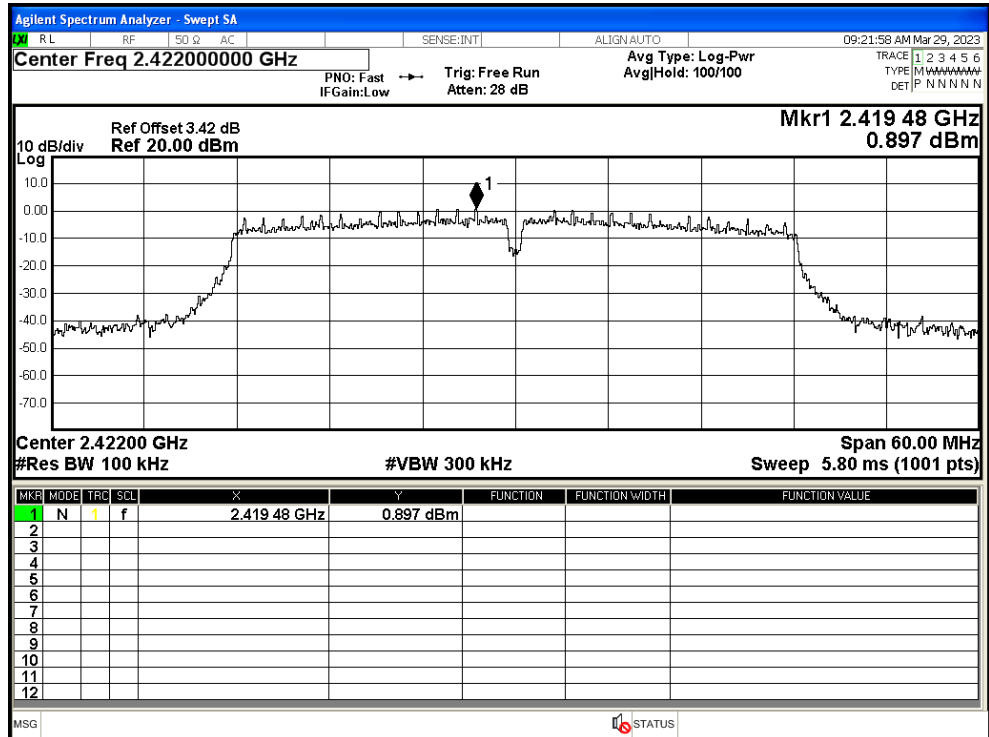


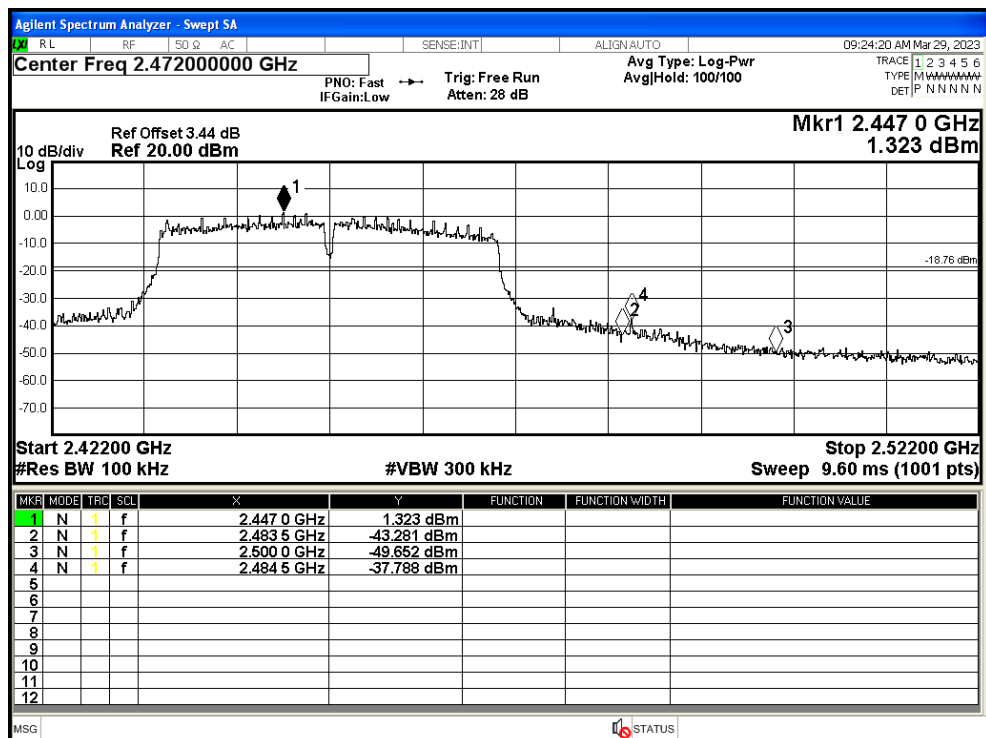


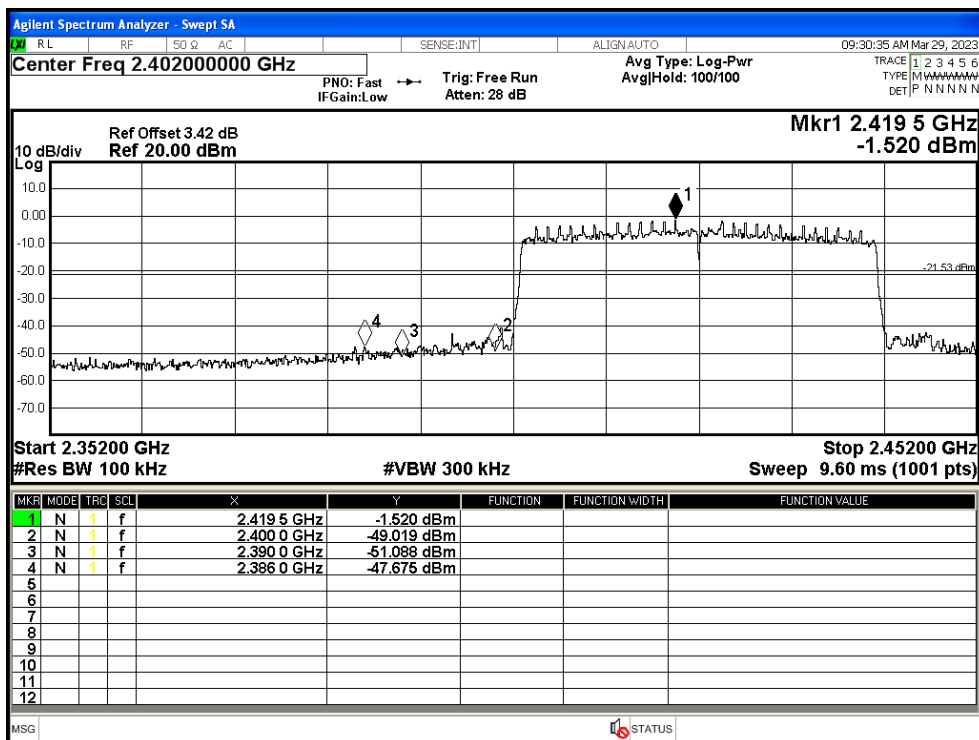
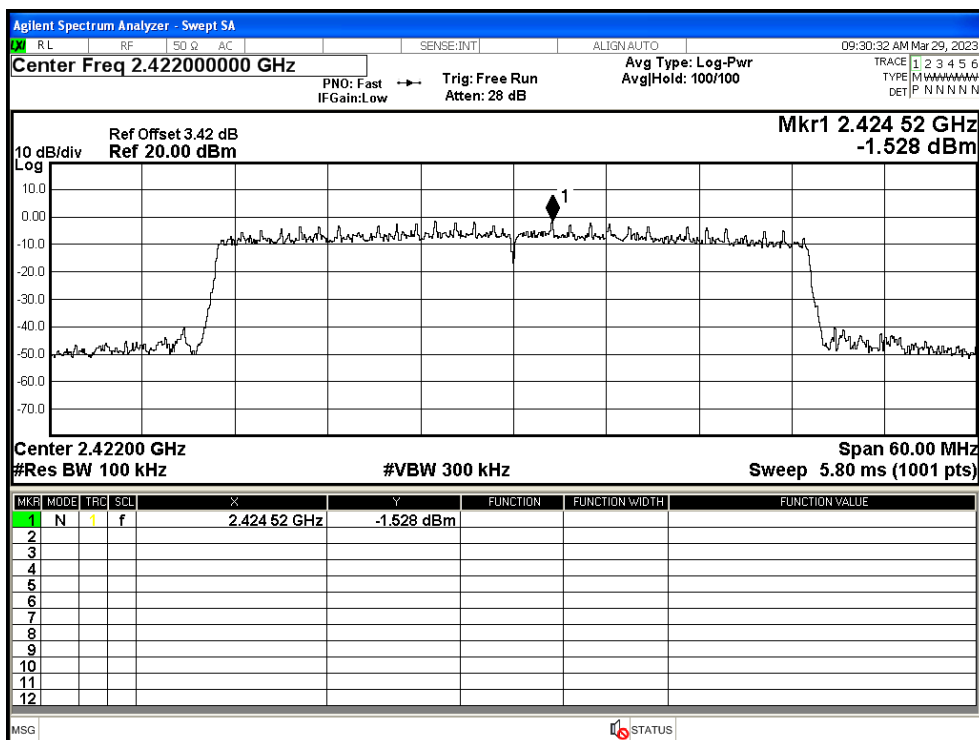


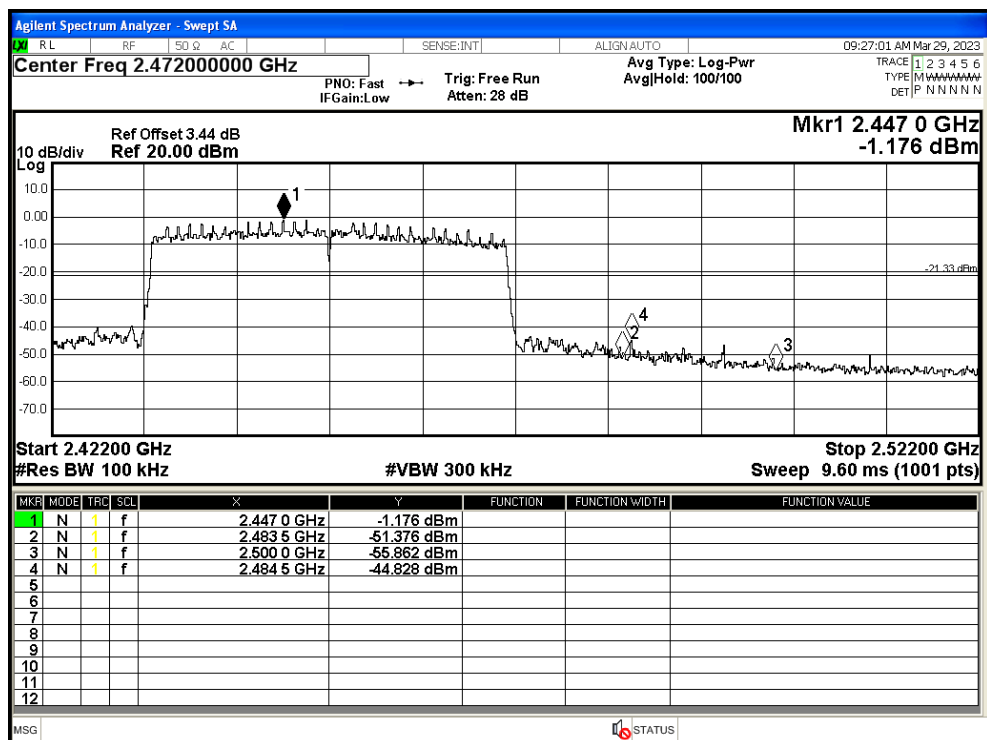


Wi-Fi 802.11 n(HT40) mode, Band Edge





Wi-Fi 802.11 ax(HE40) mode, Band Edge



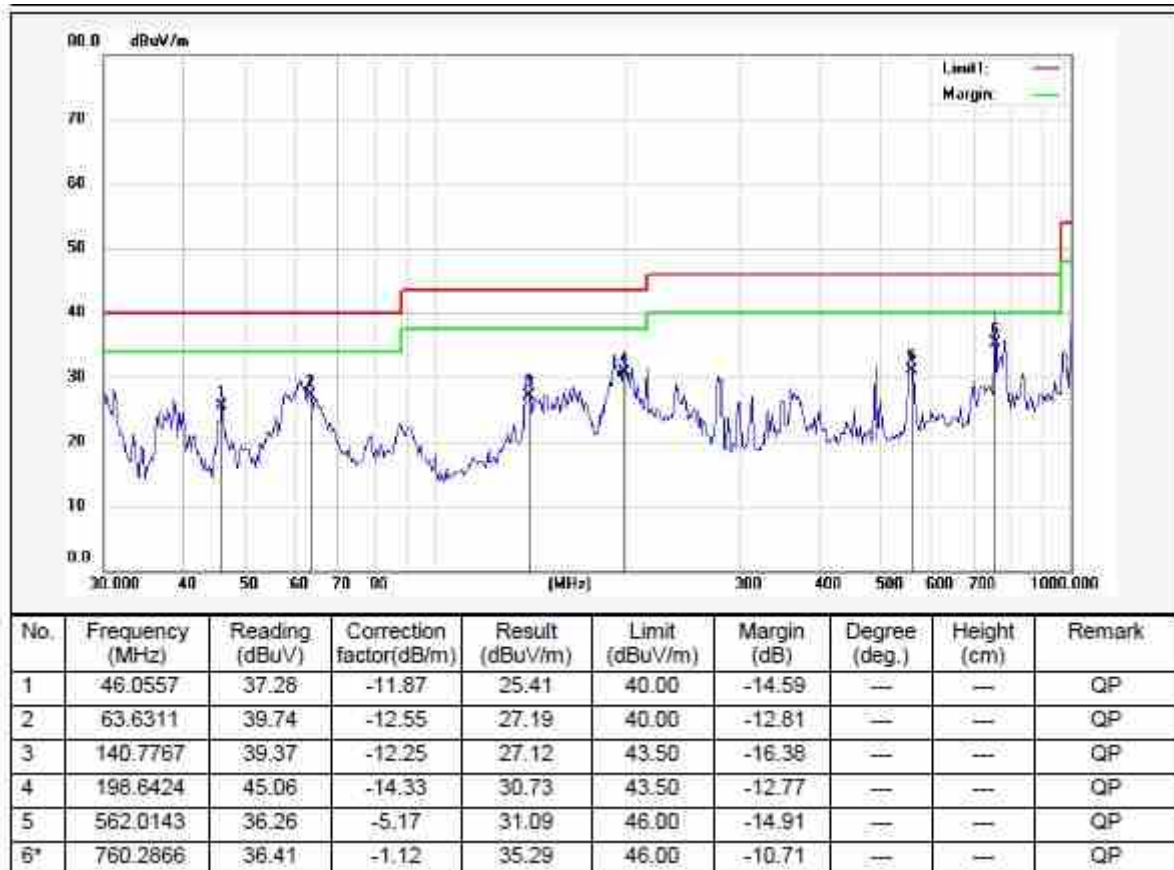
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

Appendix B.5: Test Results of Radiated Spurious Emissions

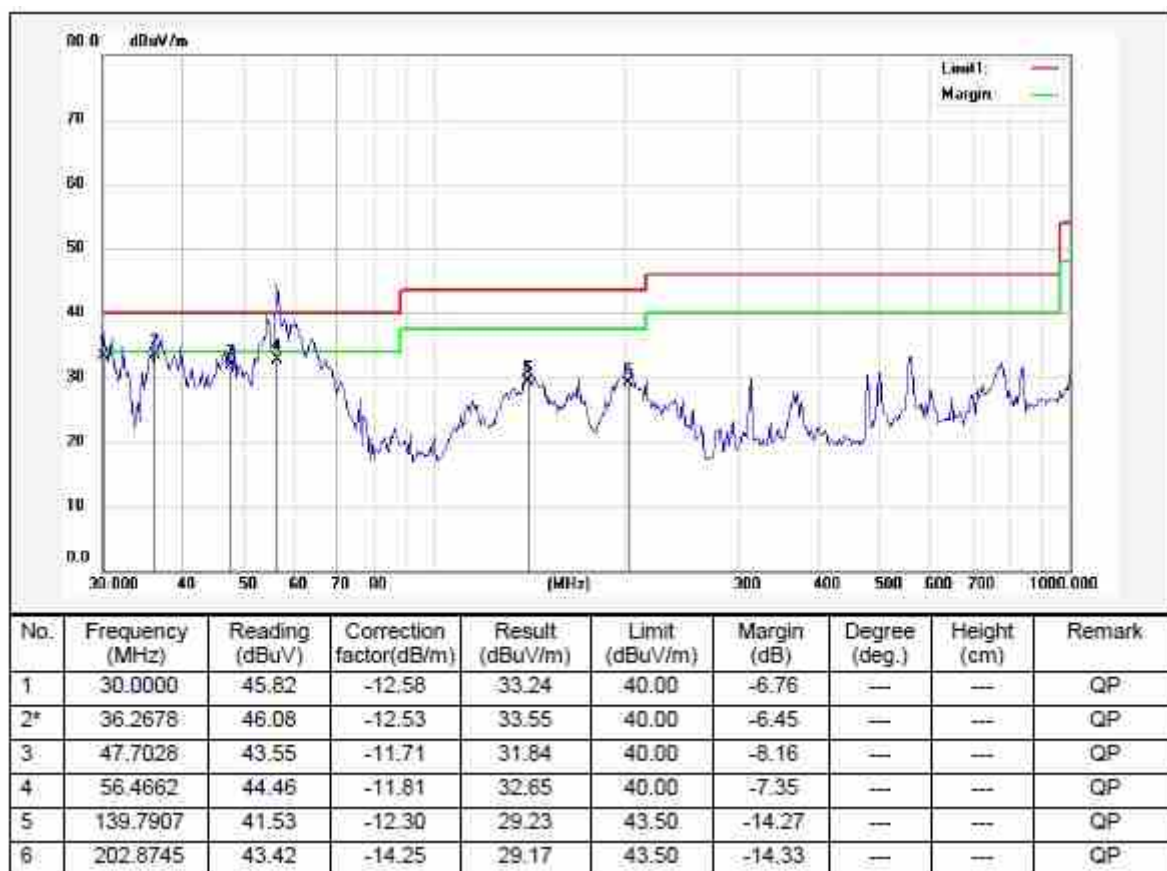
30MHz - 1GHz (Worst case)

Wi-Fi 802.11 b mode, 1 Mbps

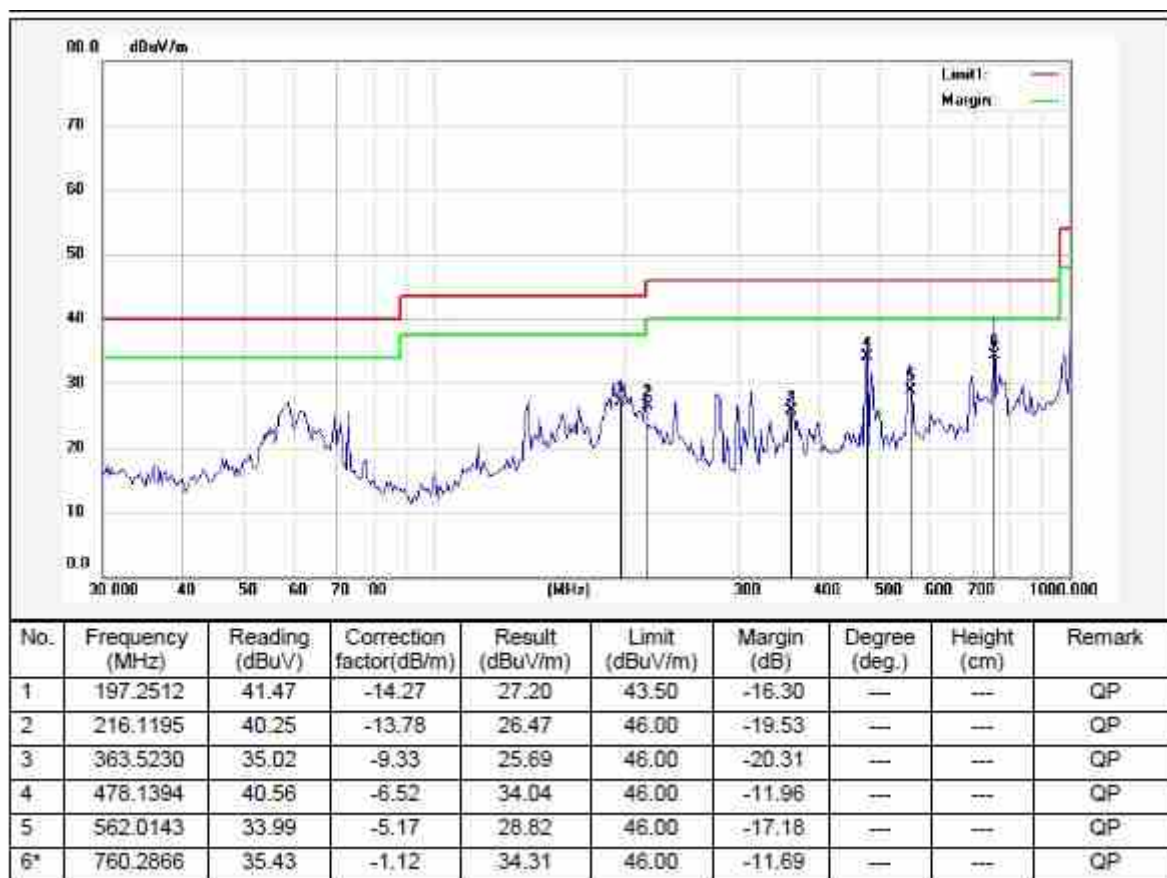
Low Channel H



Low Channel V



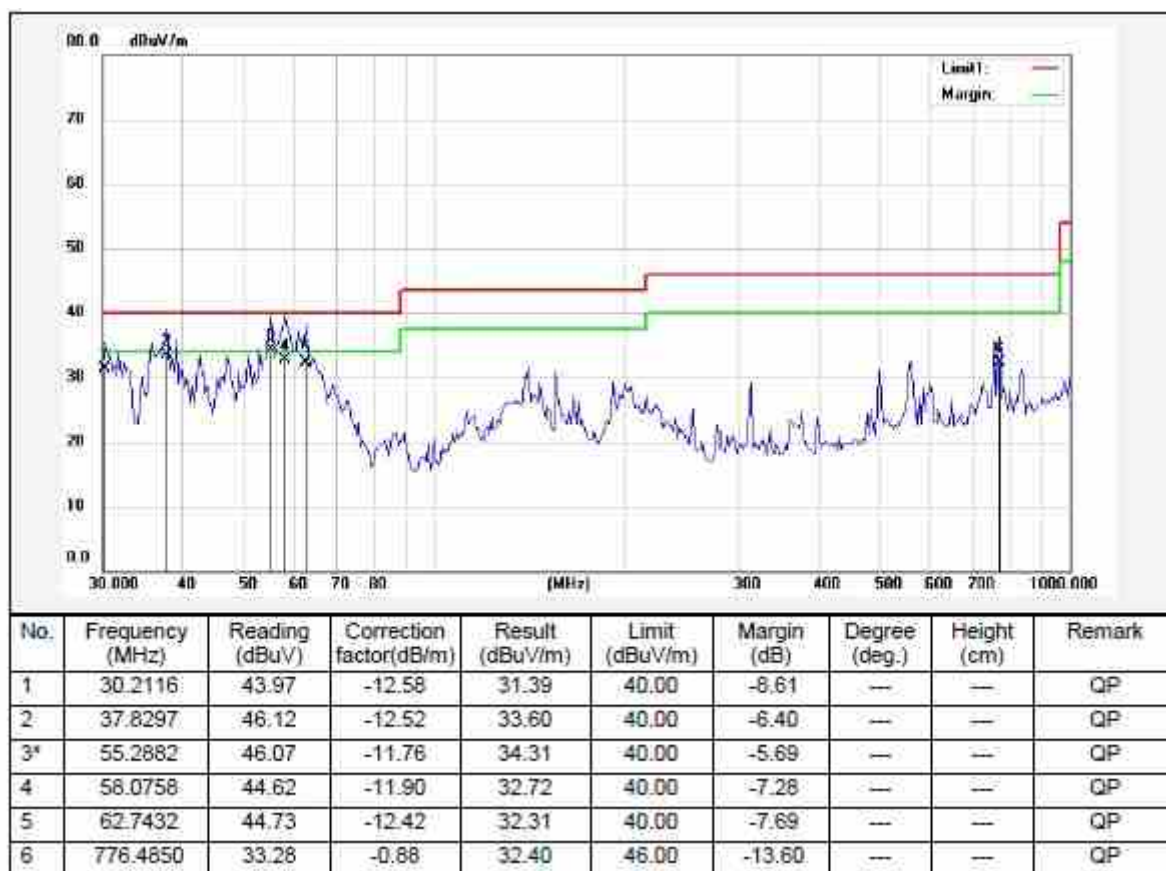
High Channel H



Prüfbericht - Produkte

Test Report - Products

High Channel V

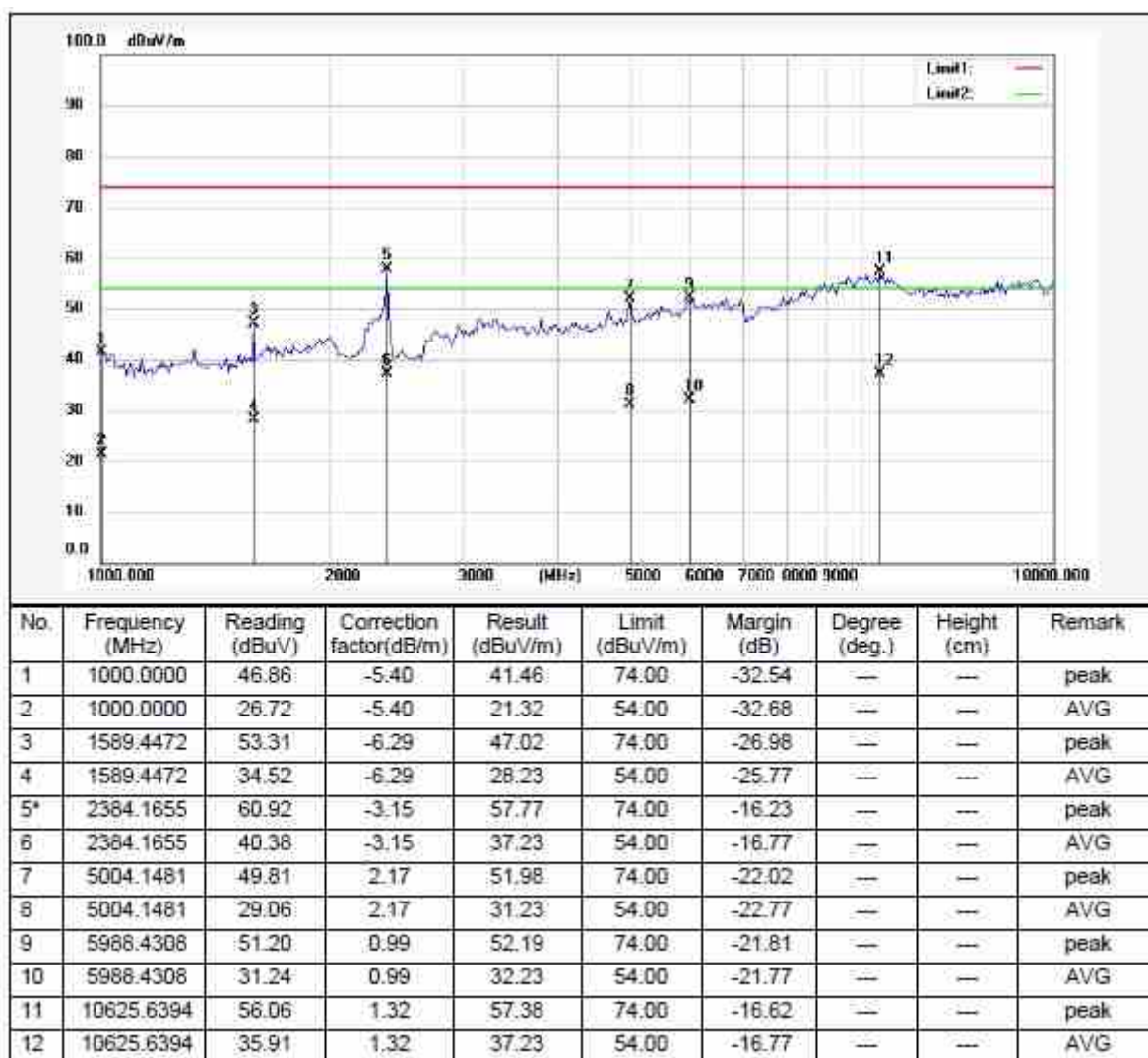


1GHz - 18GHz

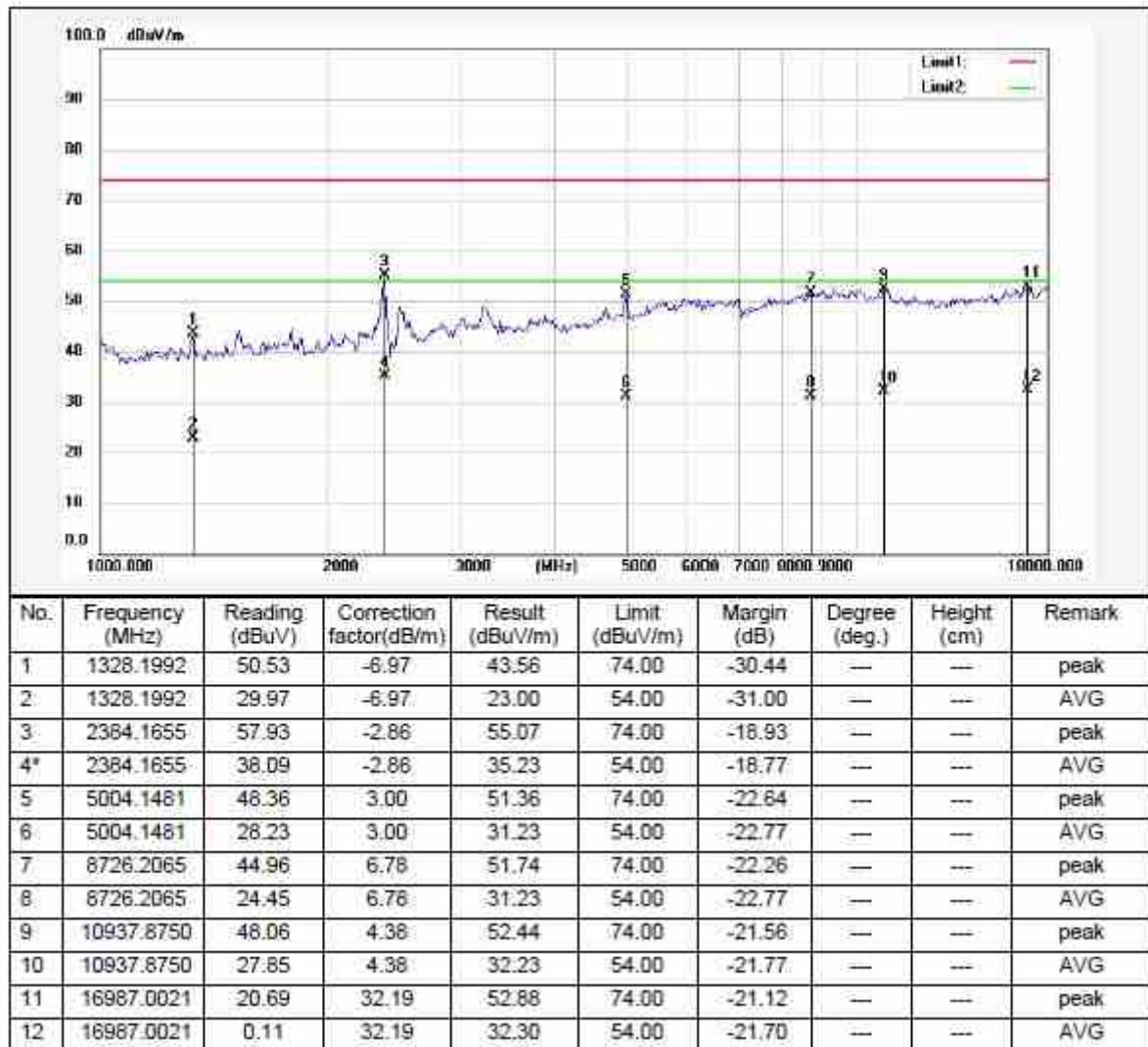
Note: The highest waveform in the figure is Wi-Fi Fundamental.

Wi-Fi 802.11 b mode, 1 Mbps

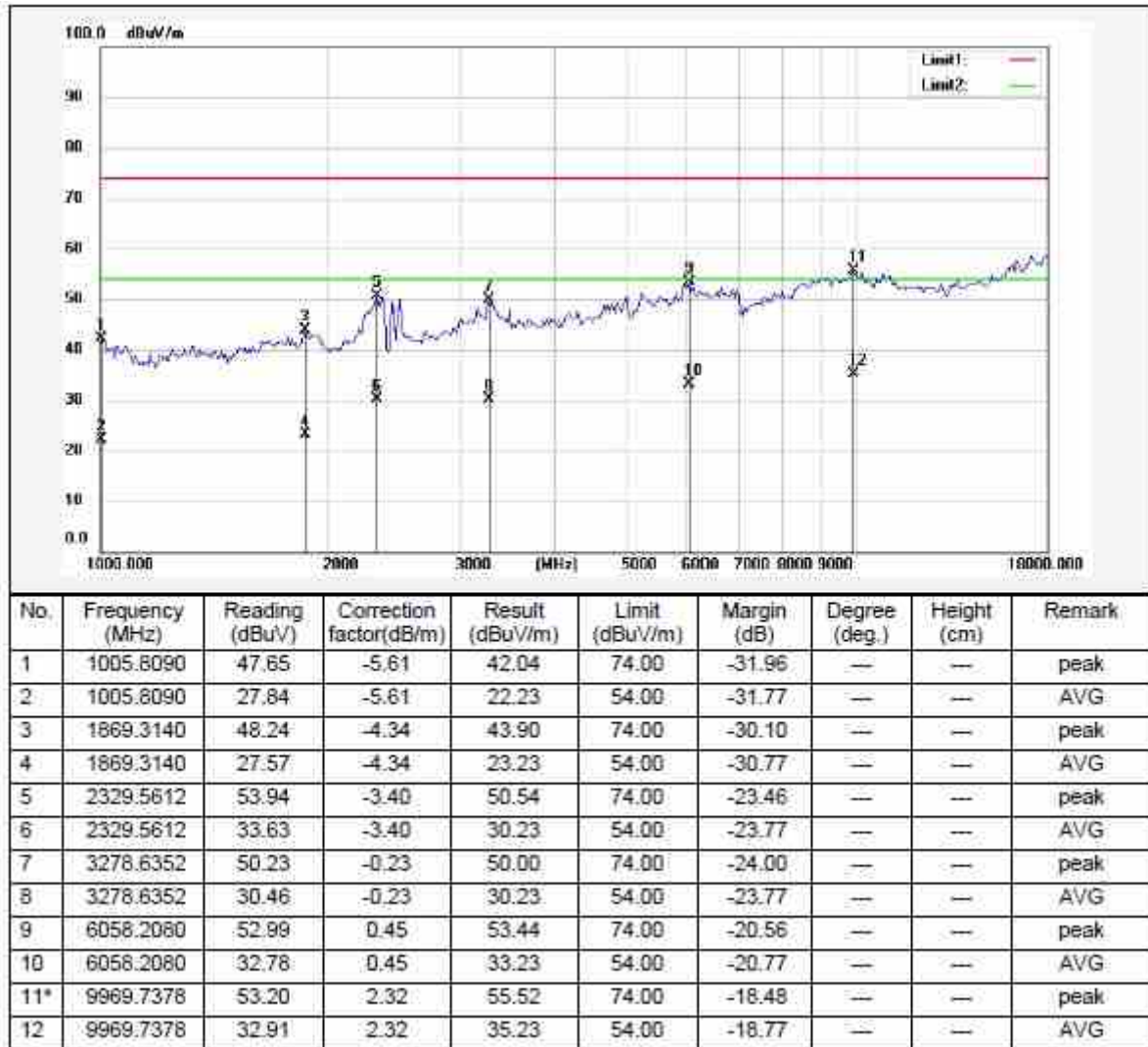
Low Channel H



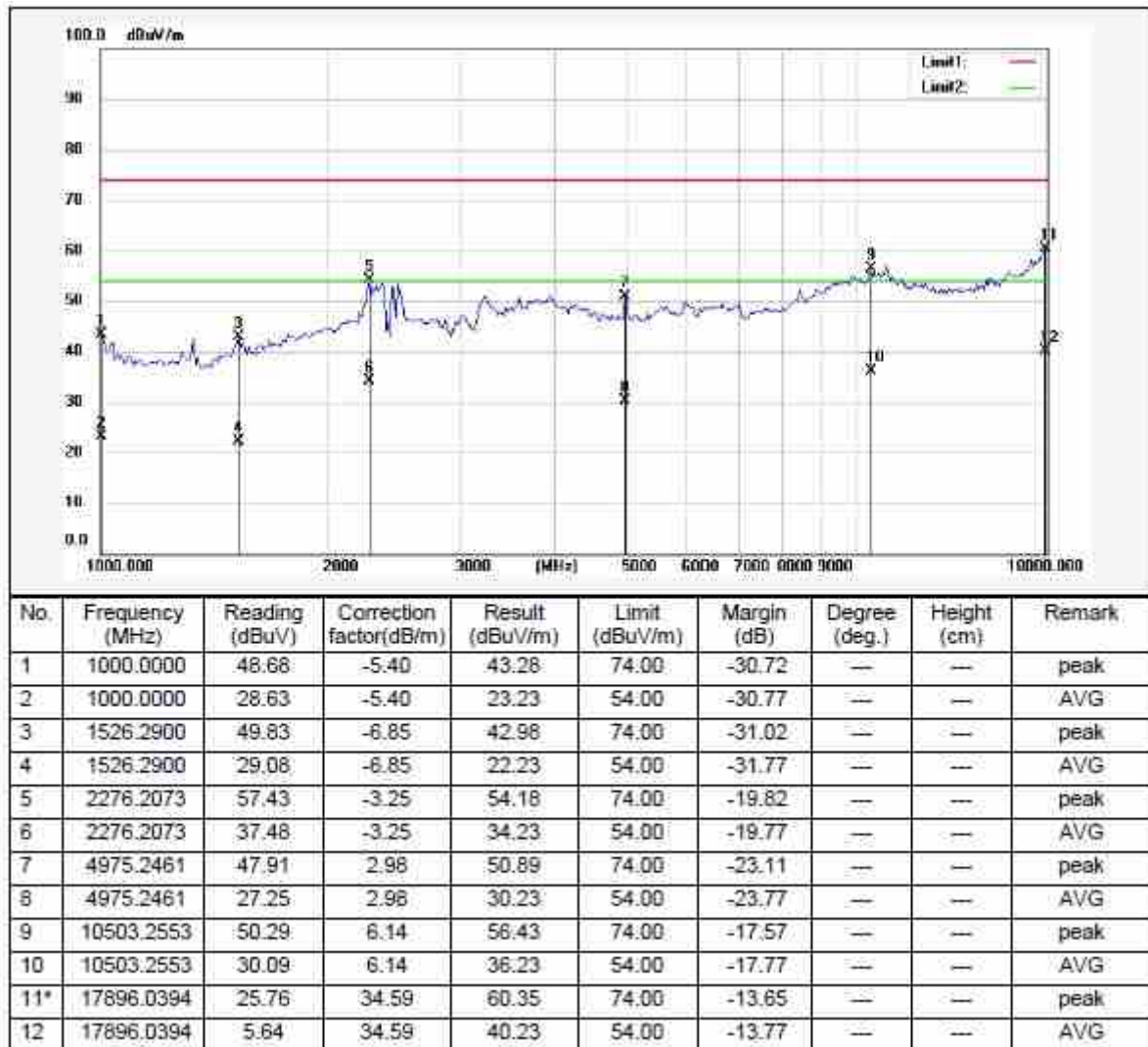
Low Channel V



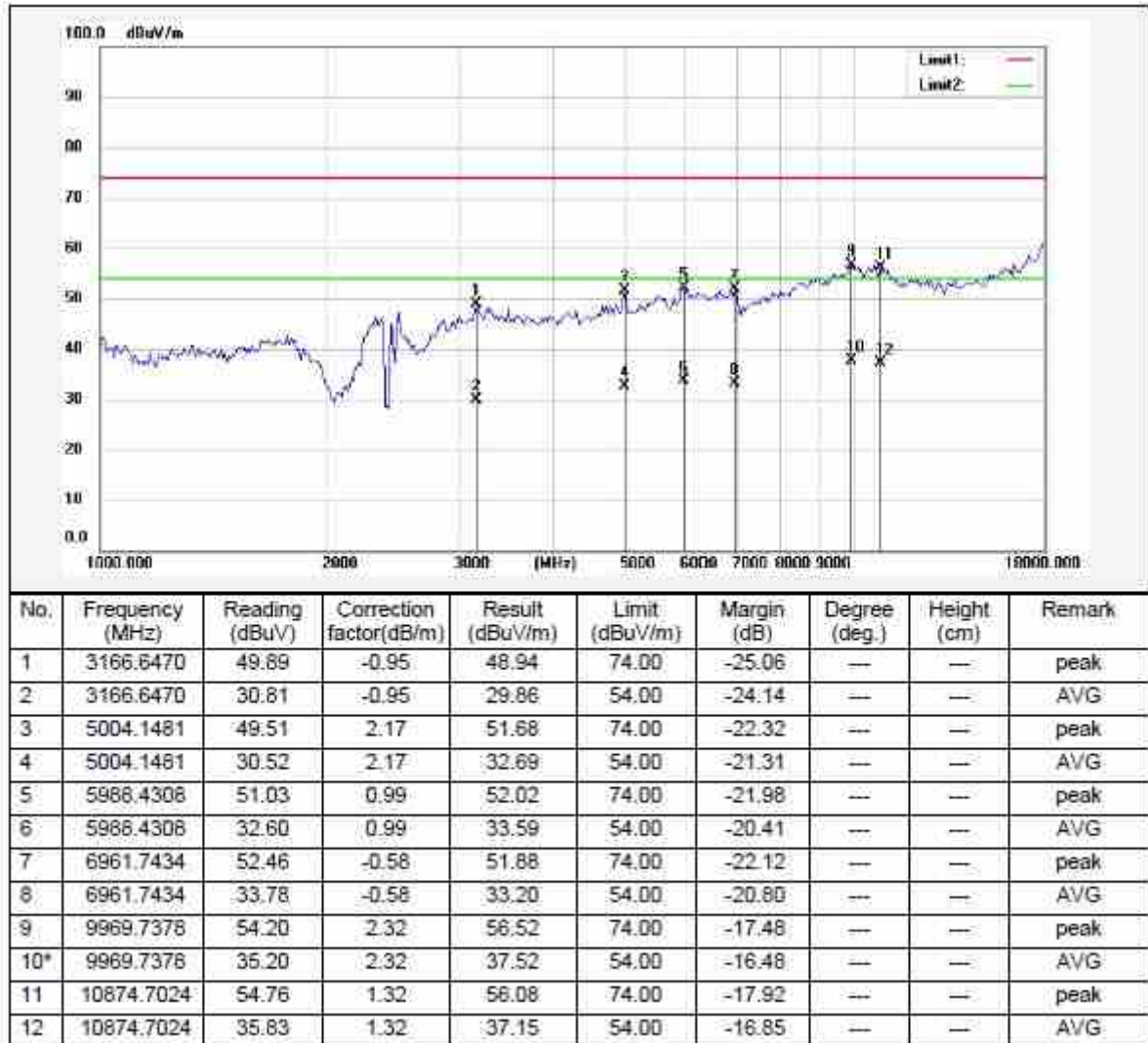
Middle Channel H



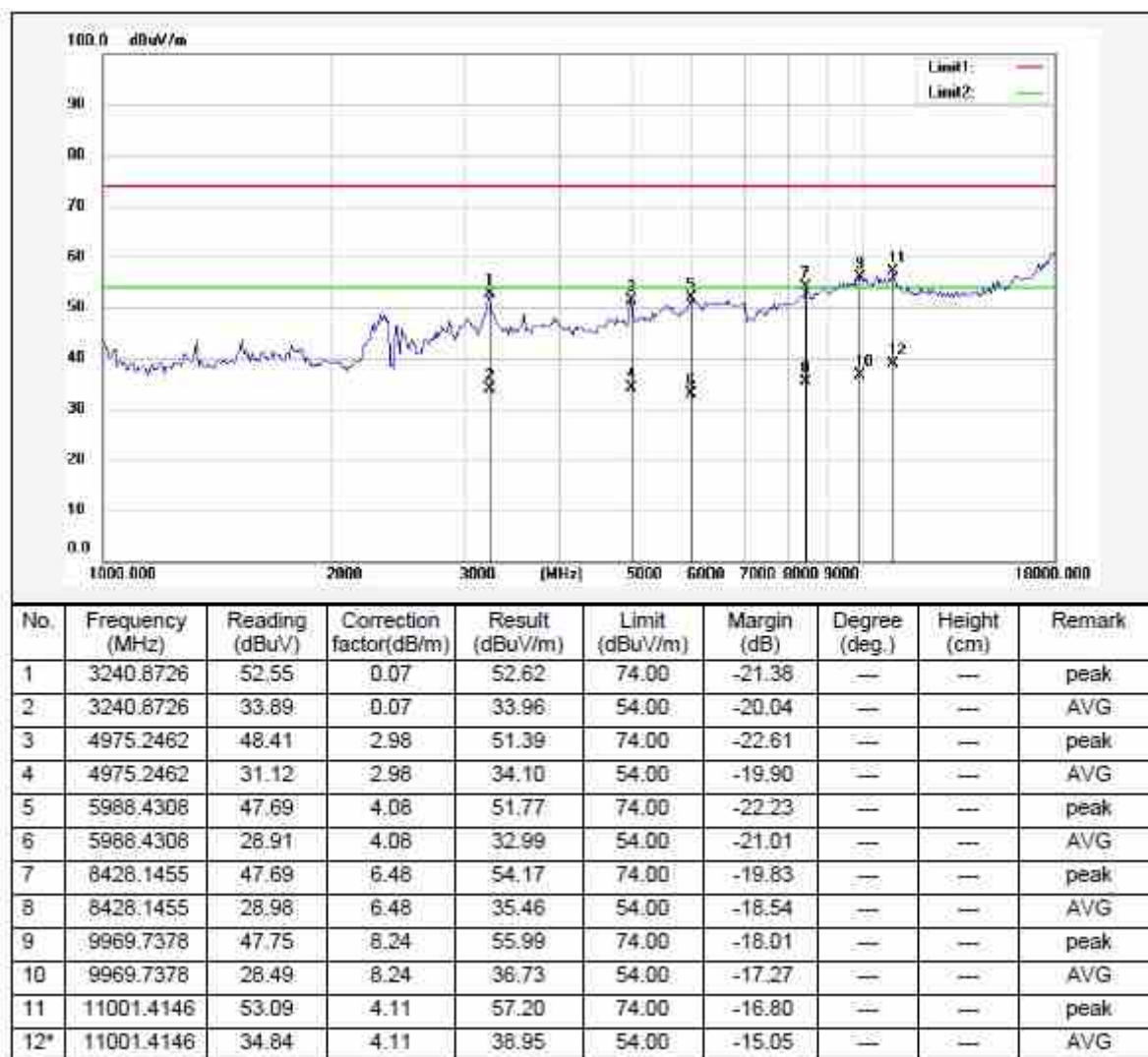
Middle Channel V



High Channel H

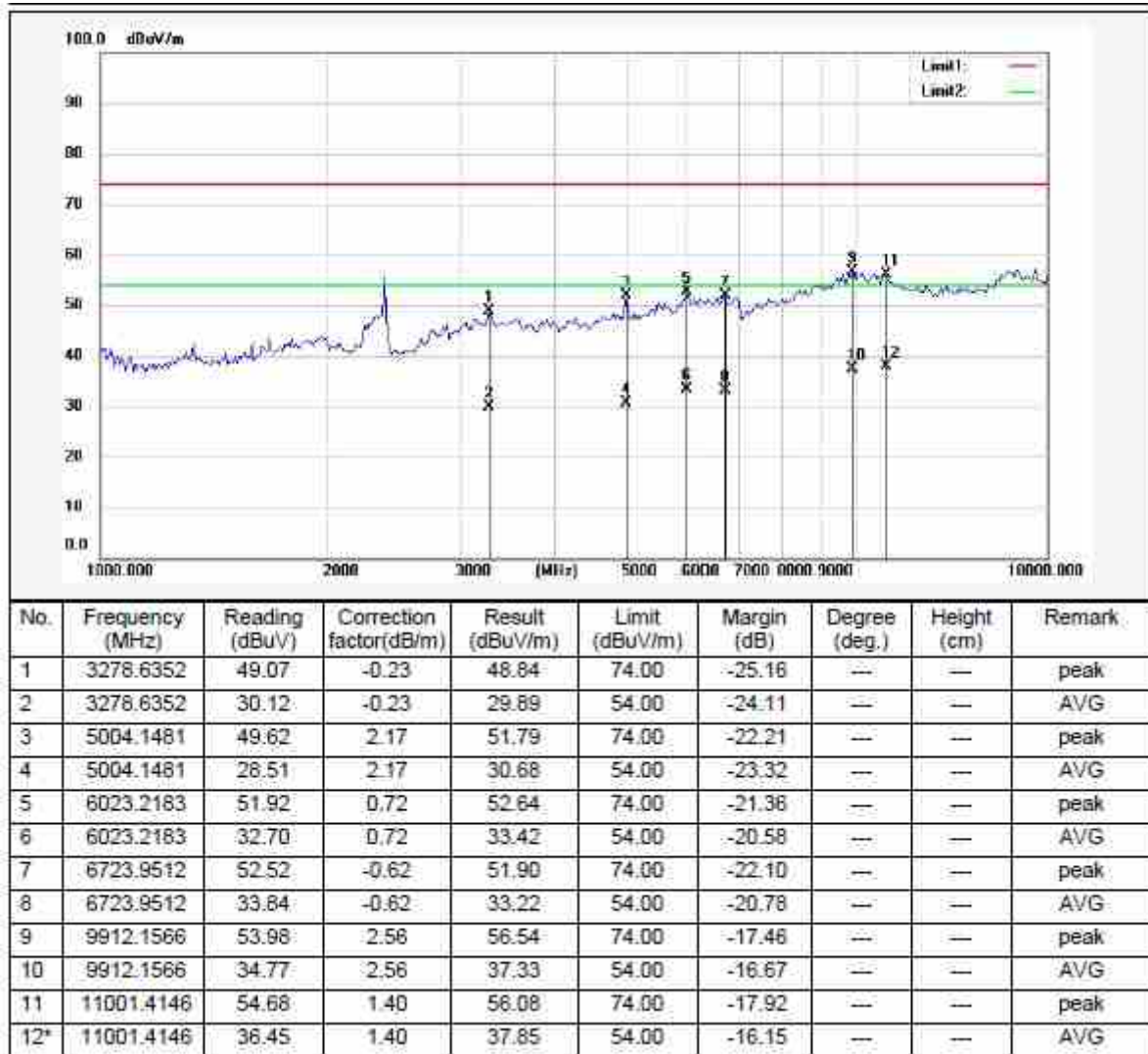


High Channel V

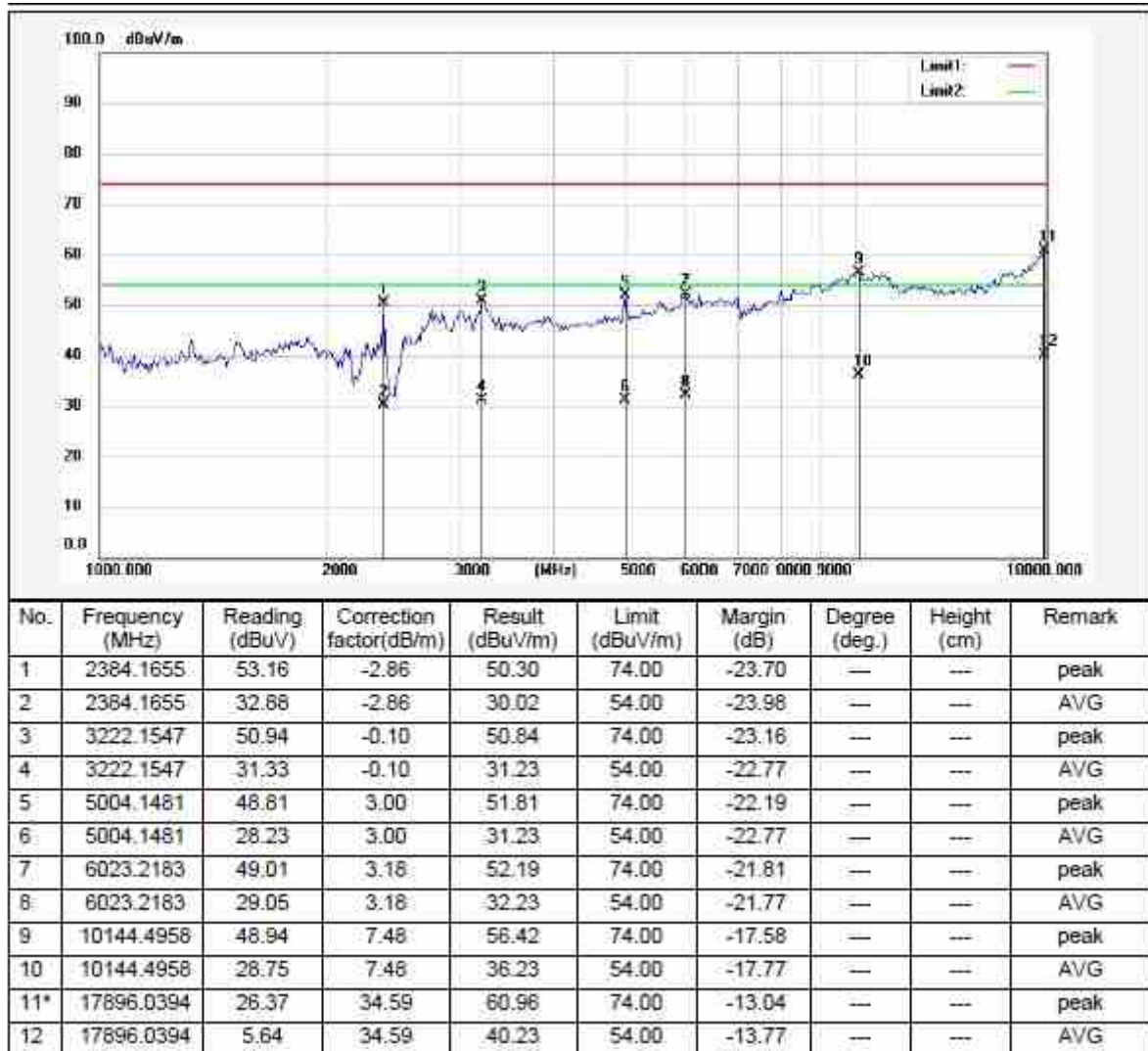


Wi-Fi 802.11 g mode, 6 Mbps

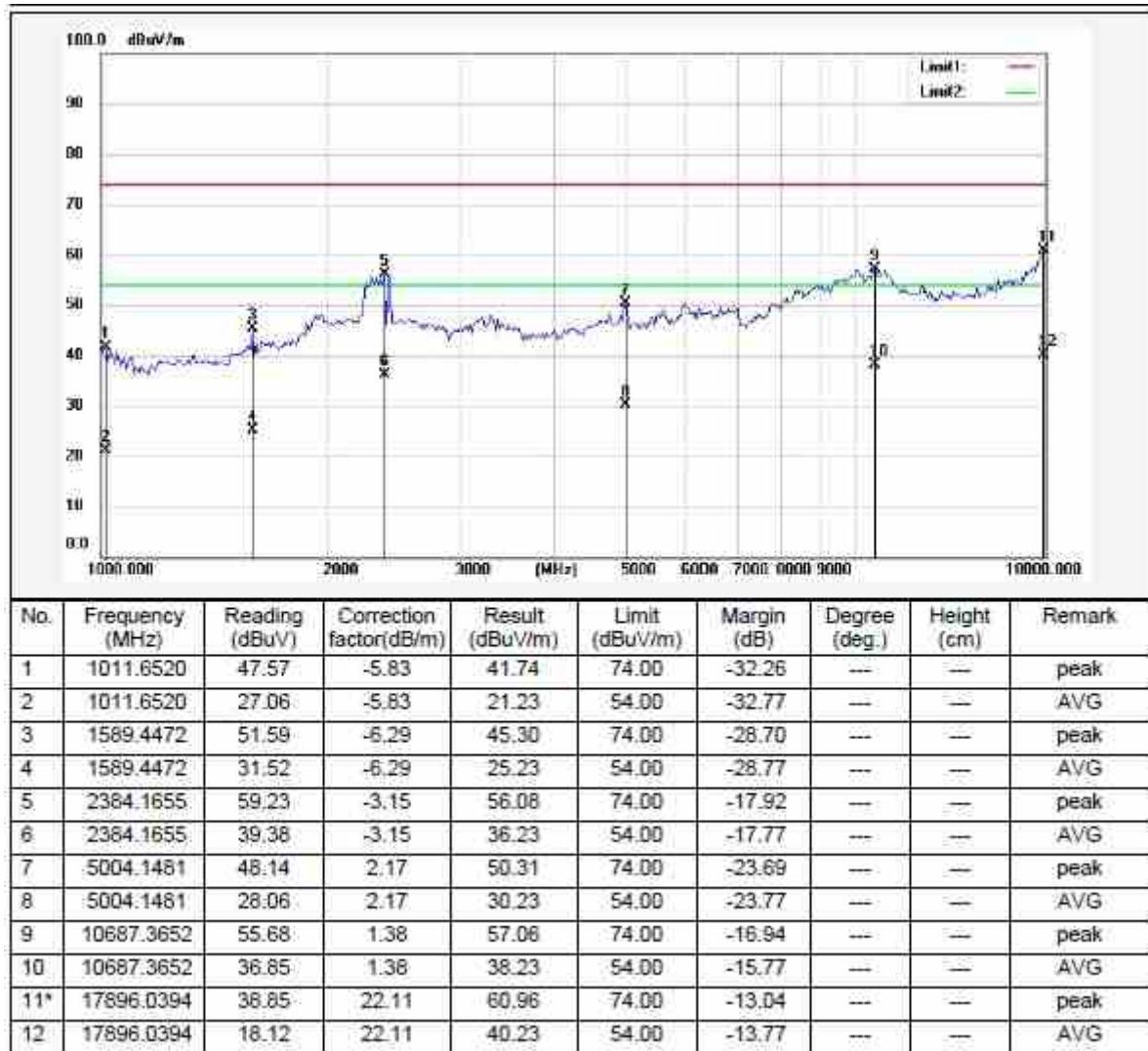
Low Channel H



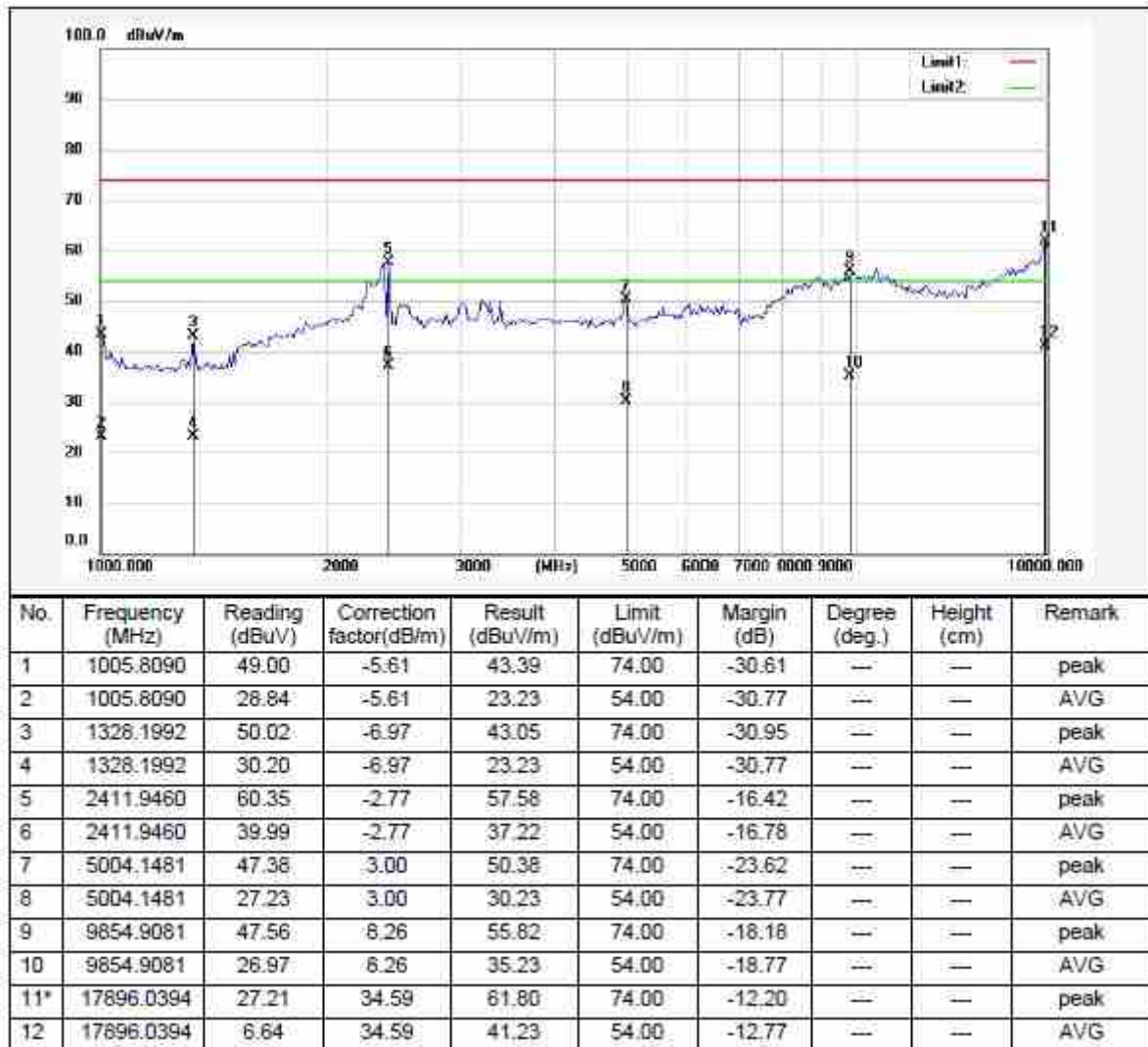
Low Channel V



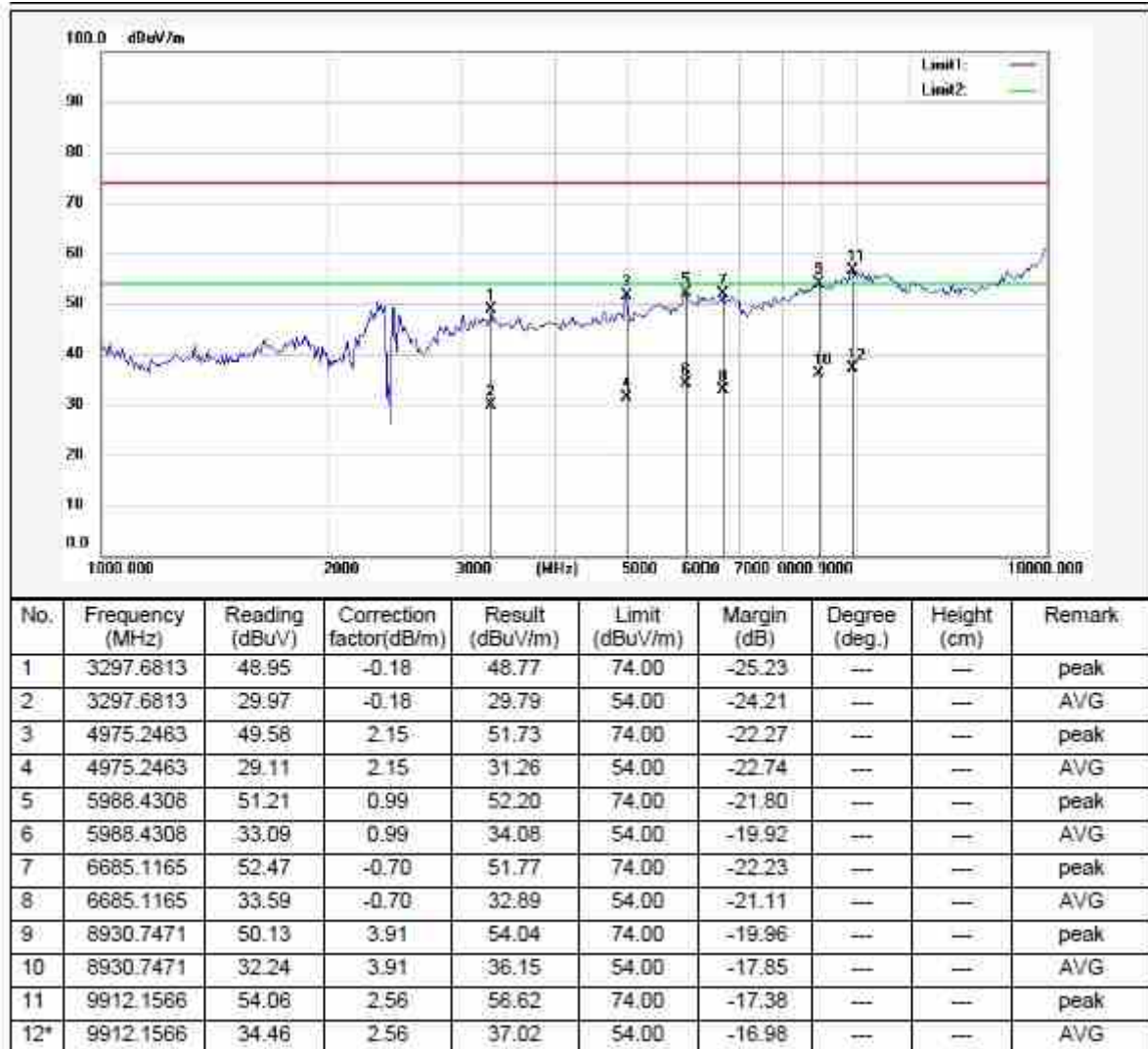
Middle Channel H



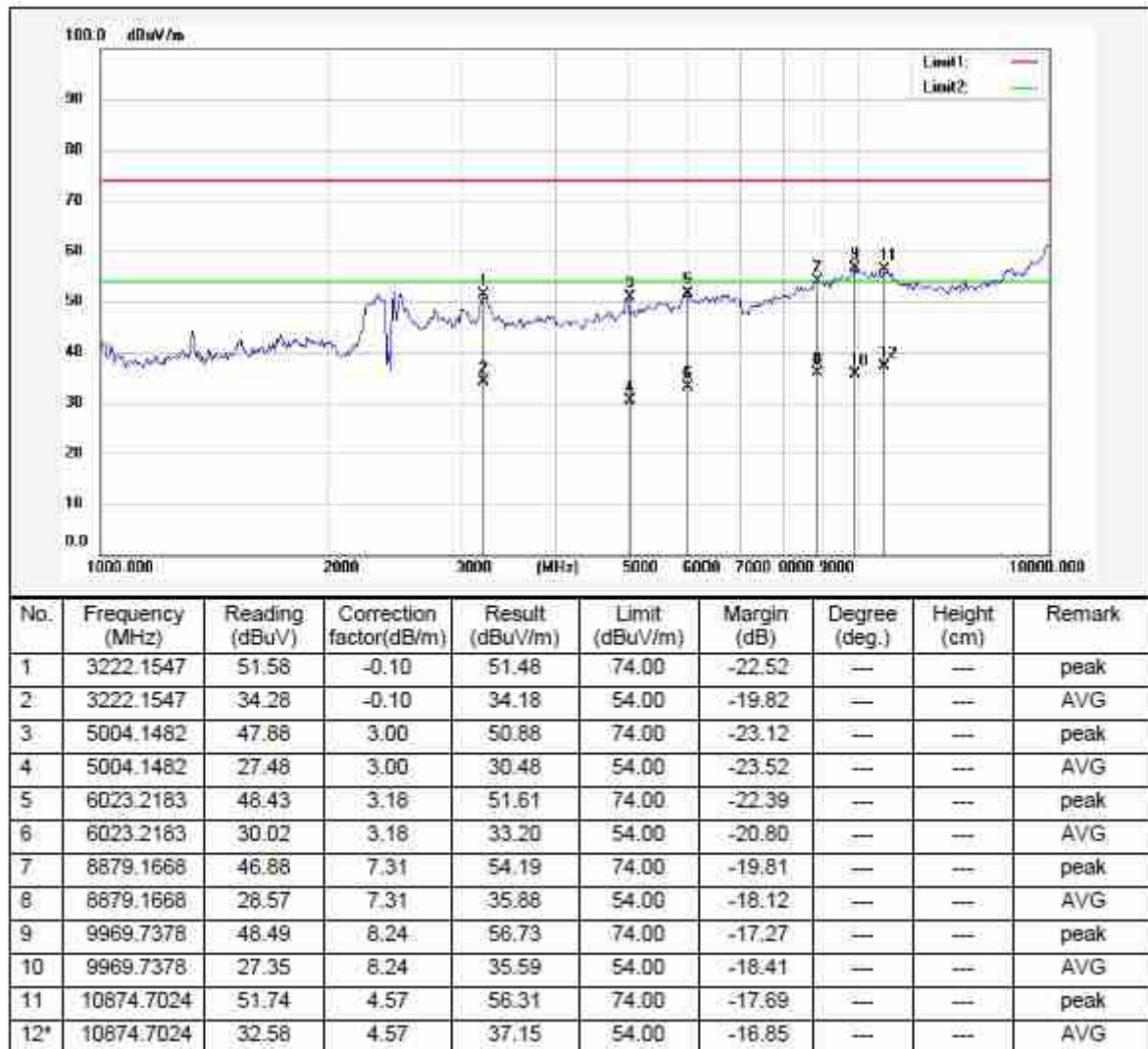
Middle Channel V



High Channel H

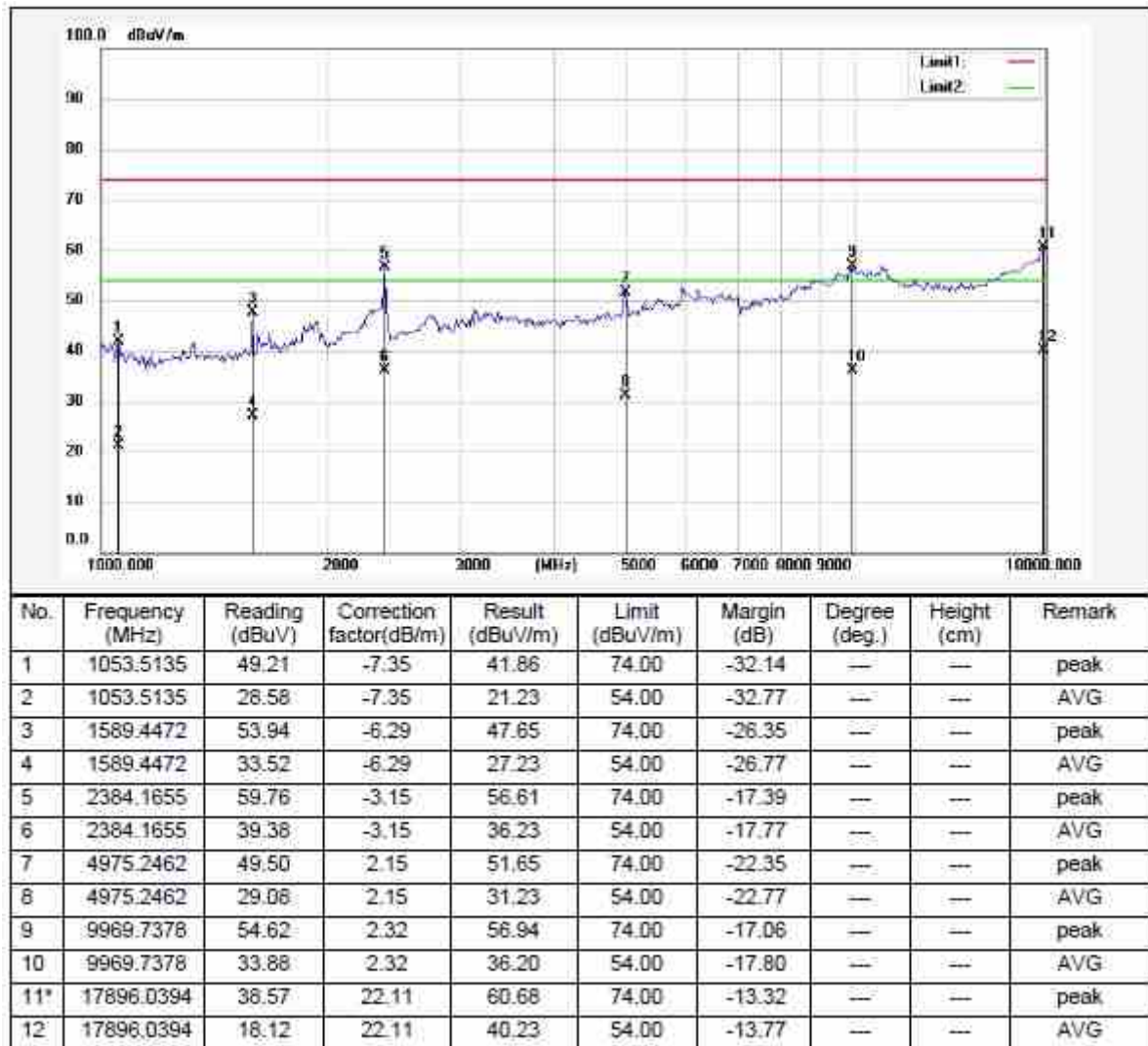


High Channel V

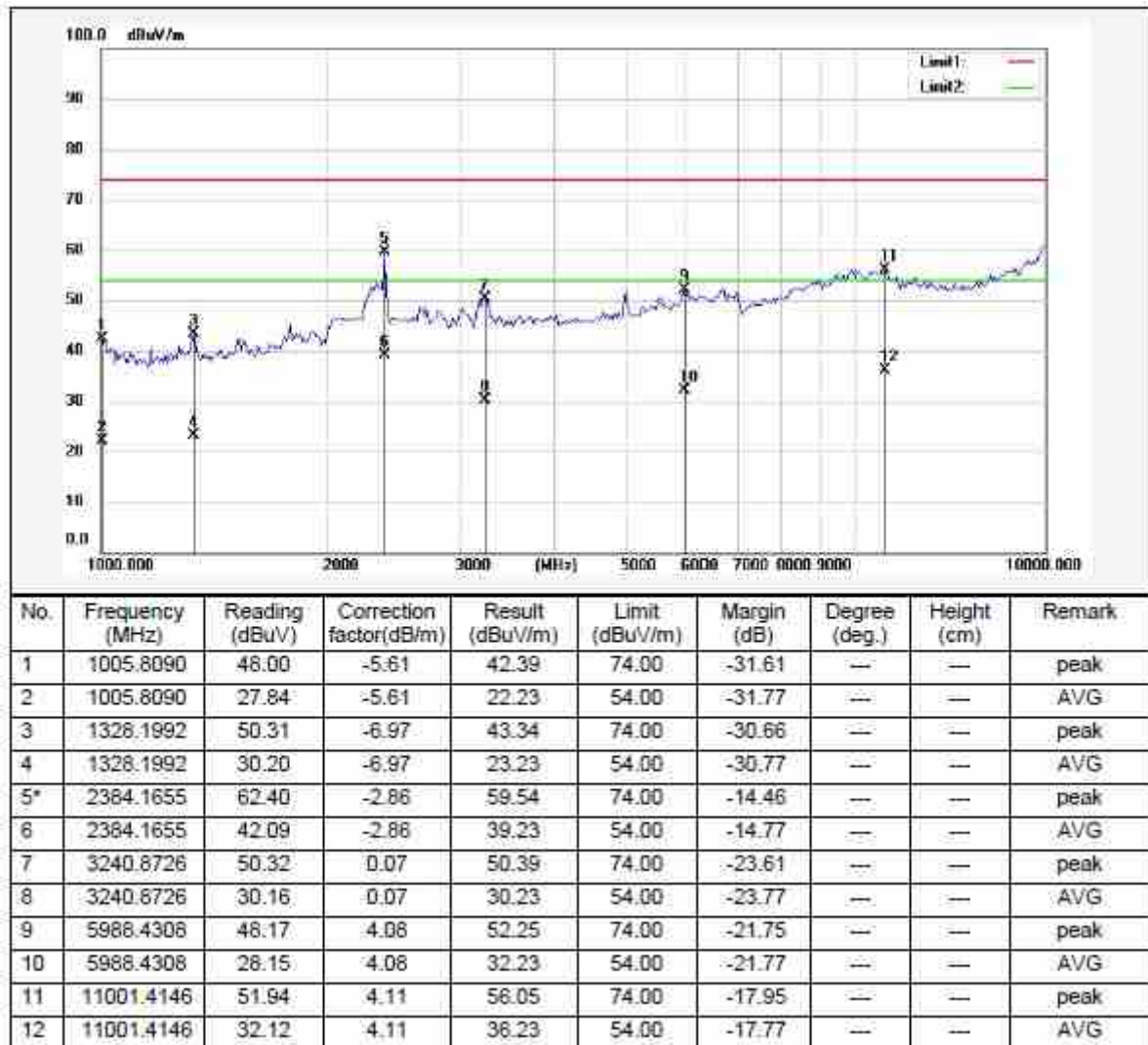


Wi-Fi 802.11 n(HT20) mode, MCS0

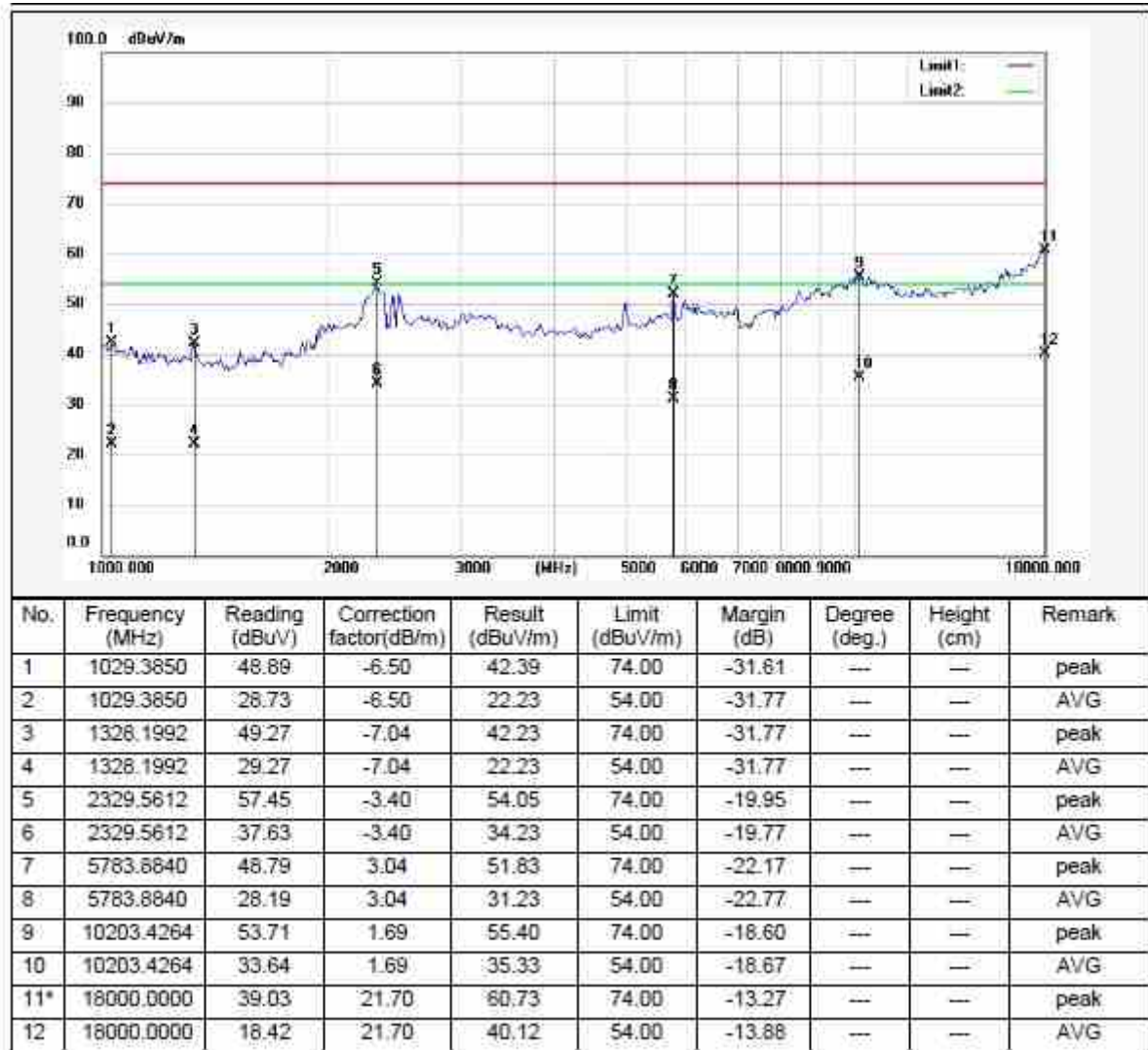
Low Channel H



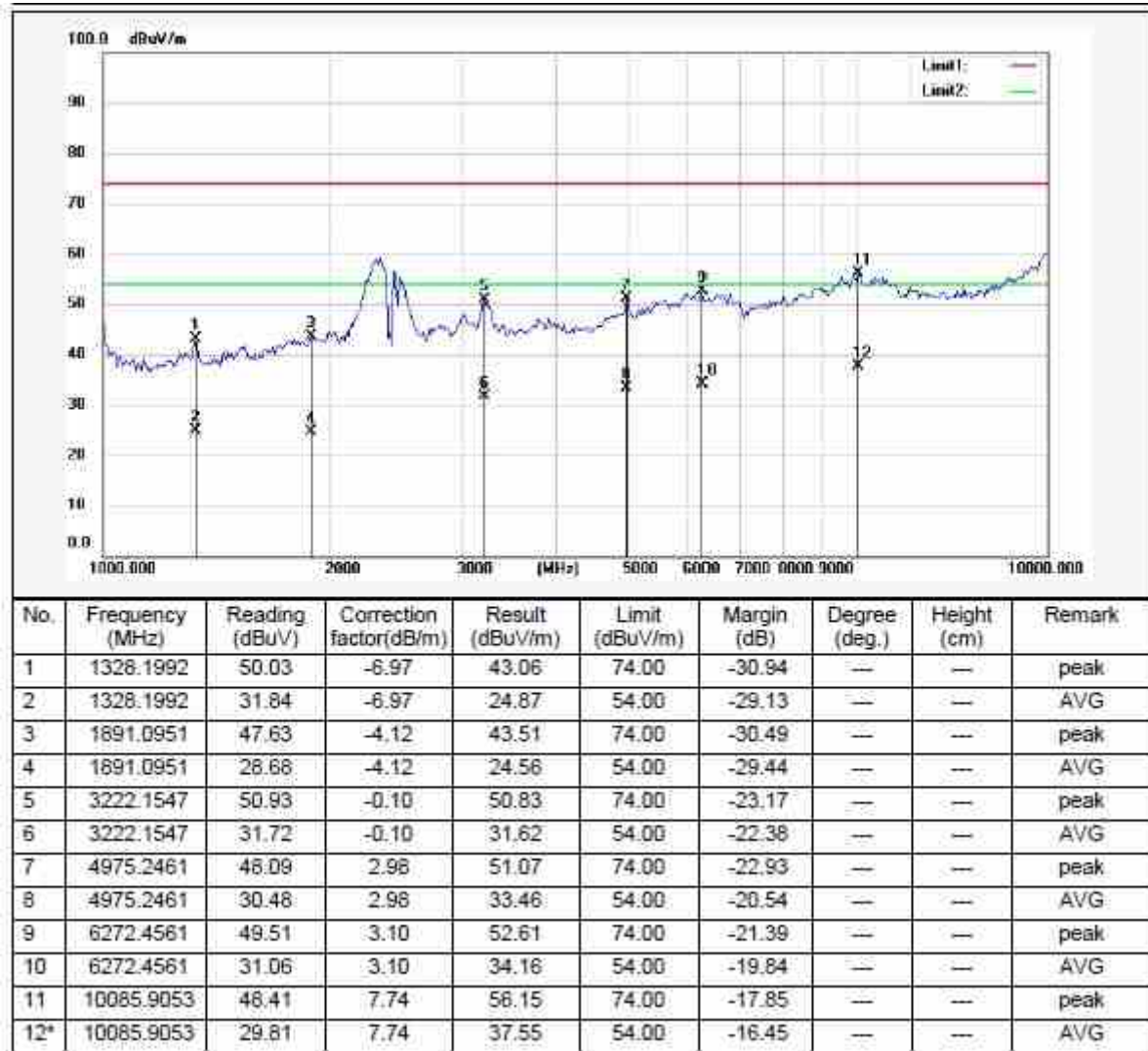
Low Channel V



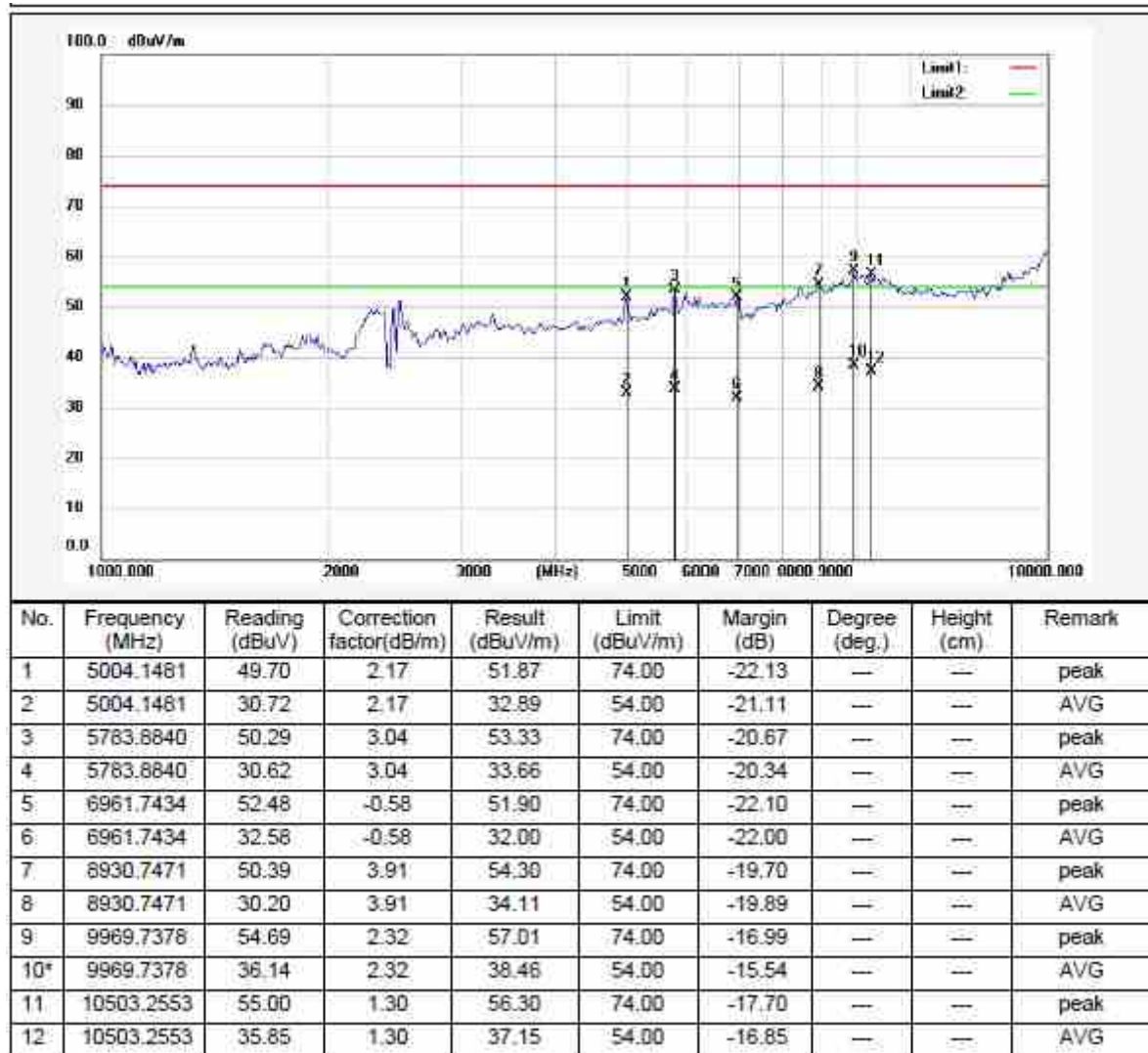
Middle Channel H



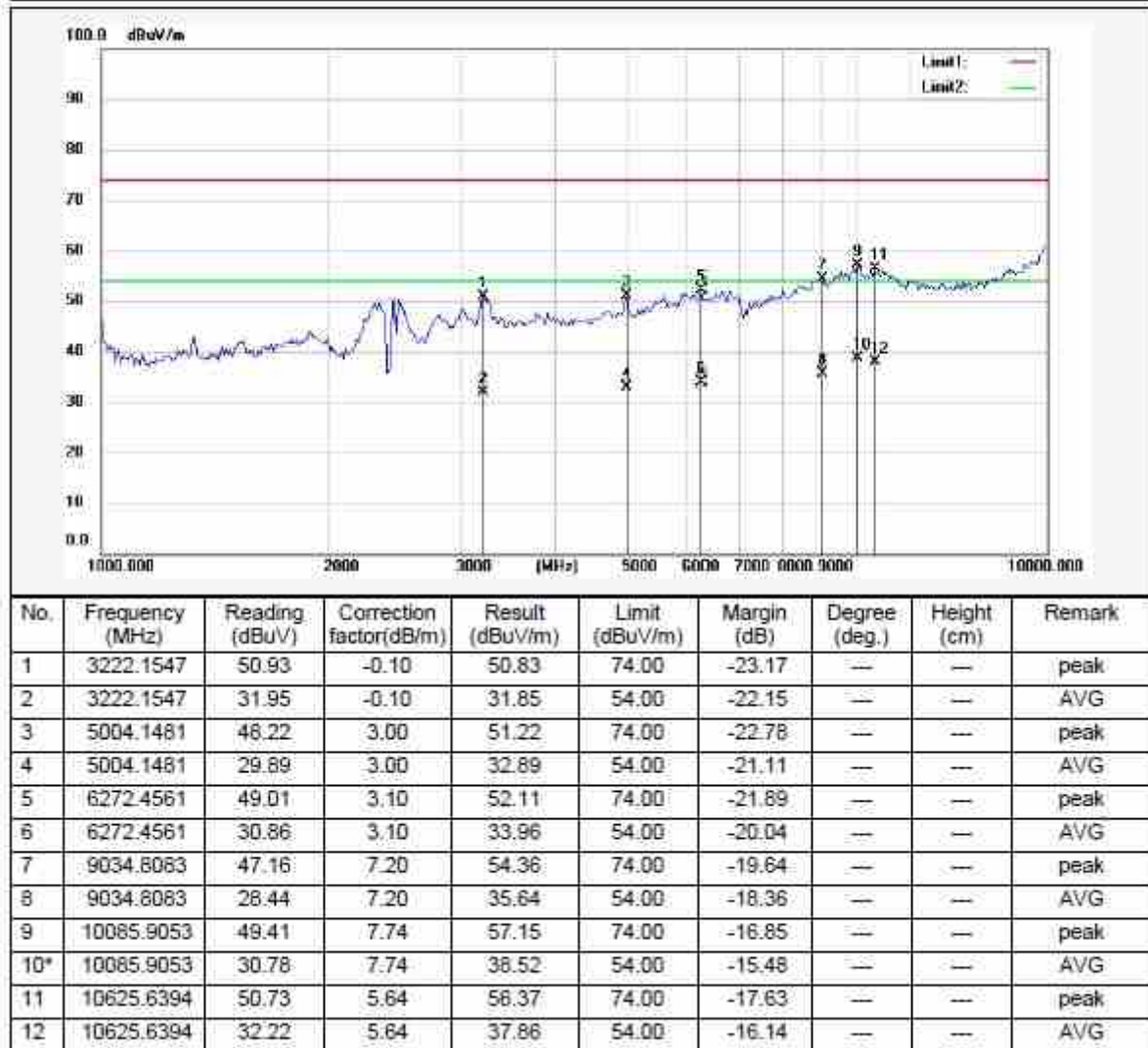
Middle Channel V



High Channel H

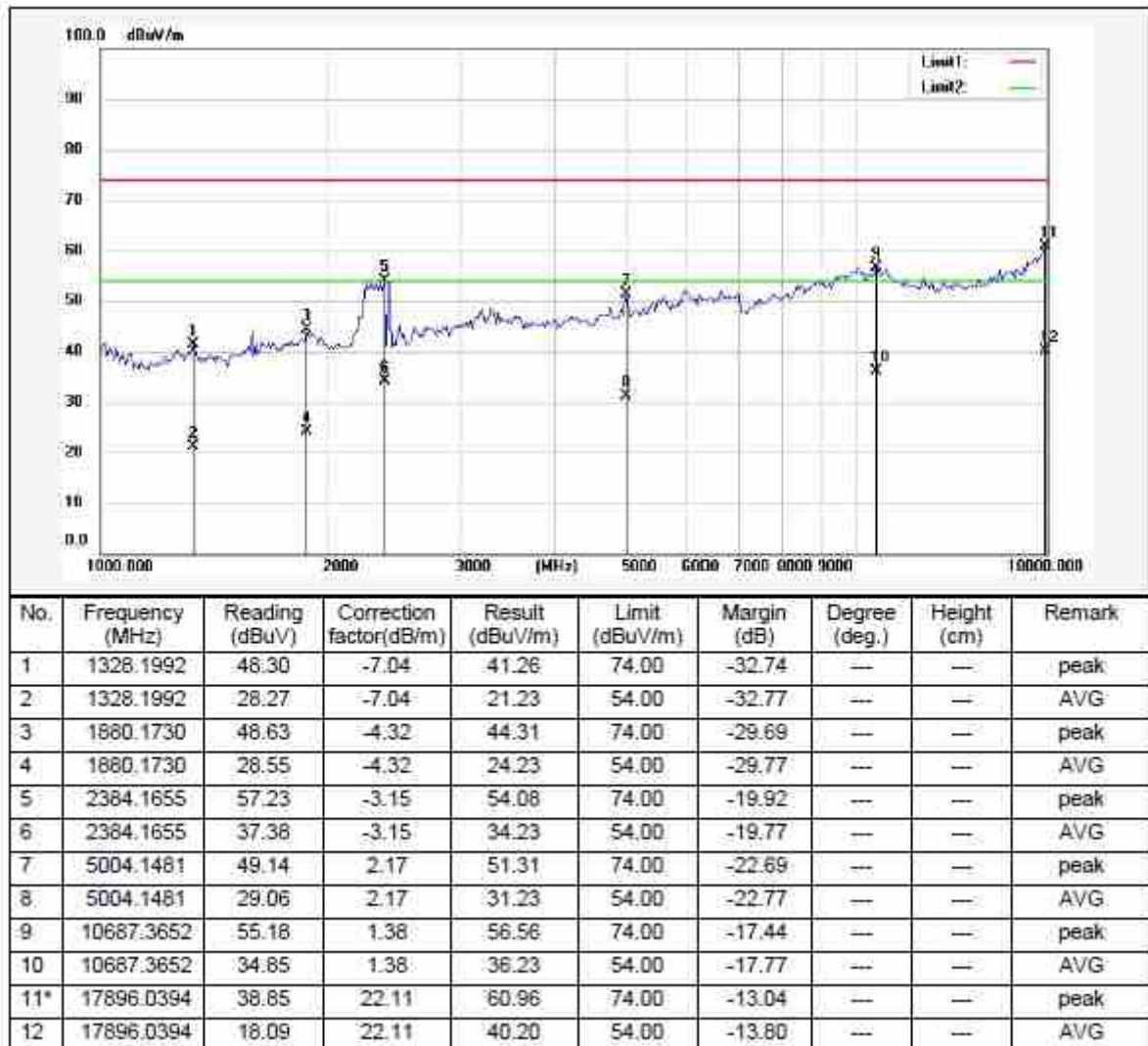


High Channel V

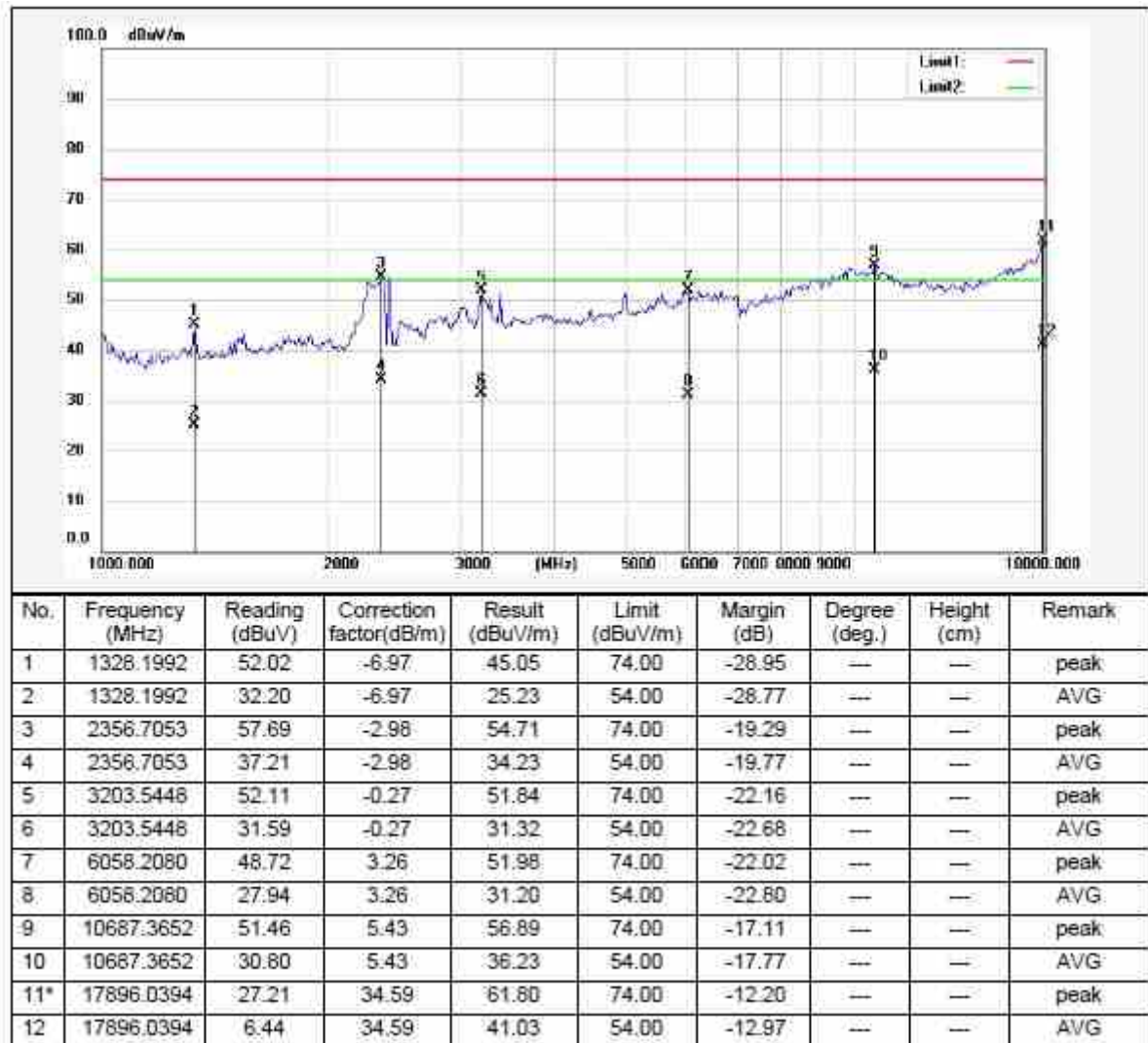


Wi-Fi 802.11 n(HT40) mode, MCS0

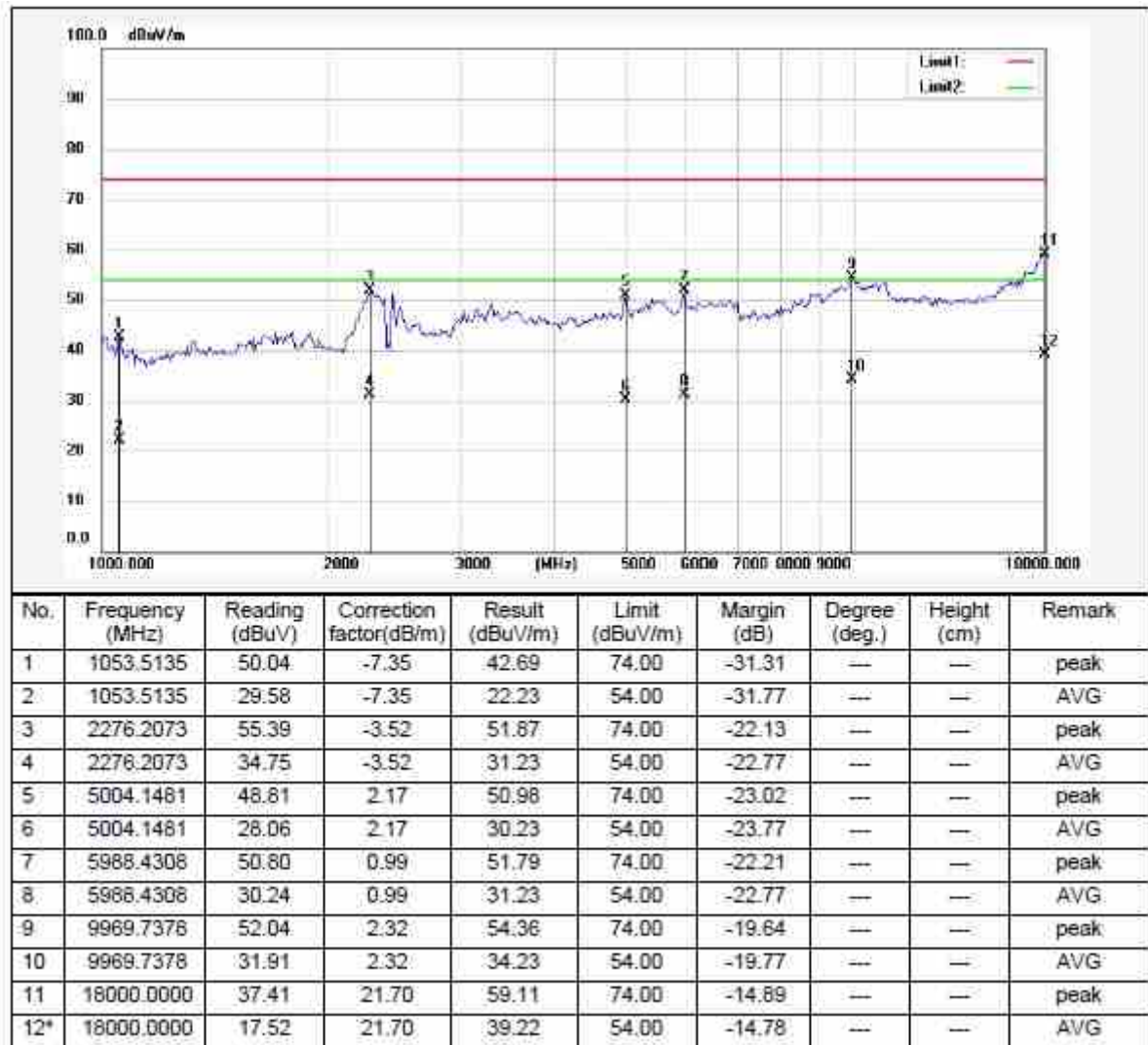
Low Channel H



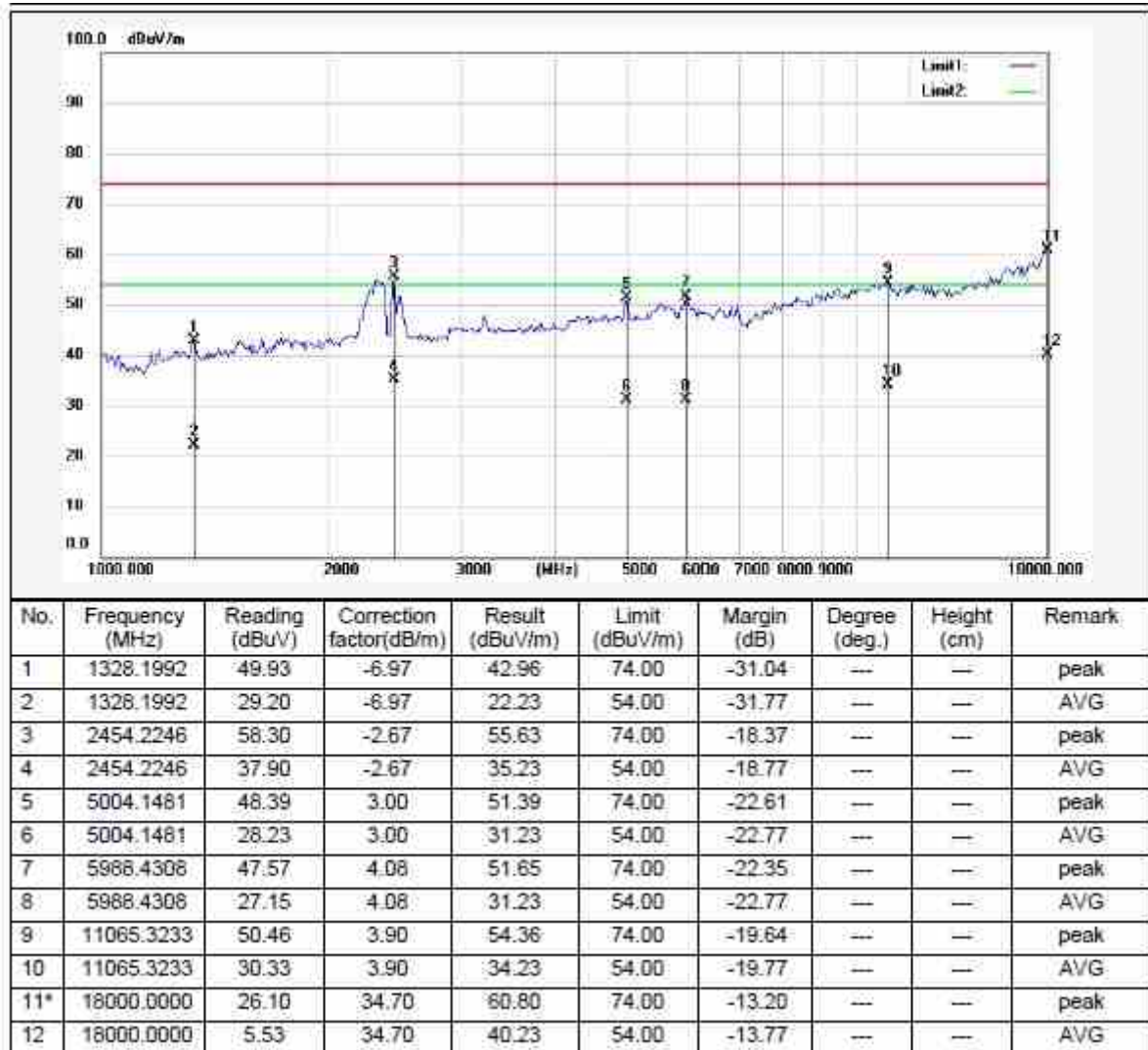
Low Channel V



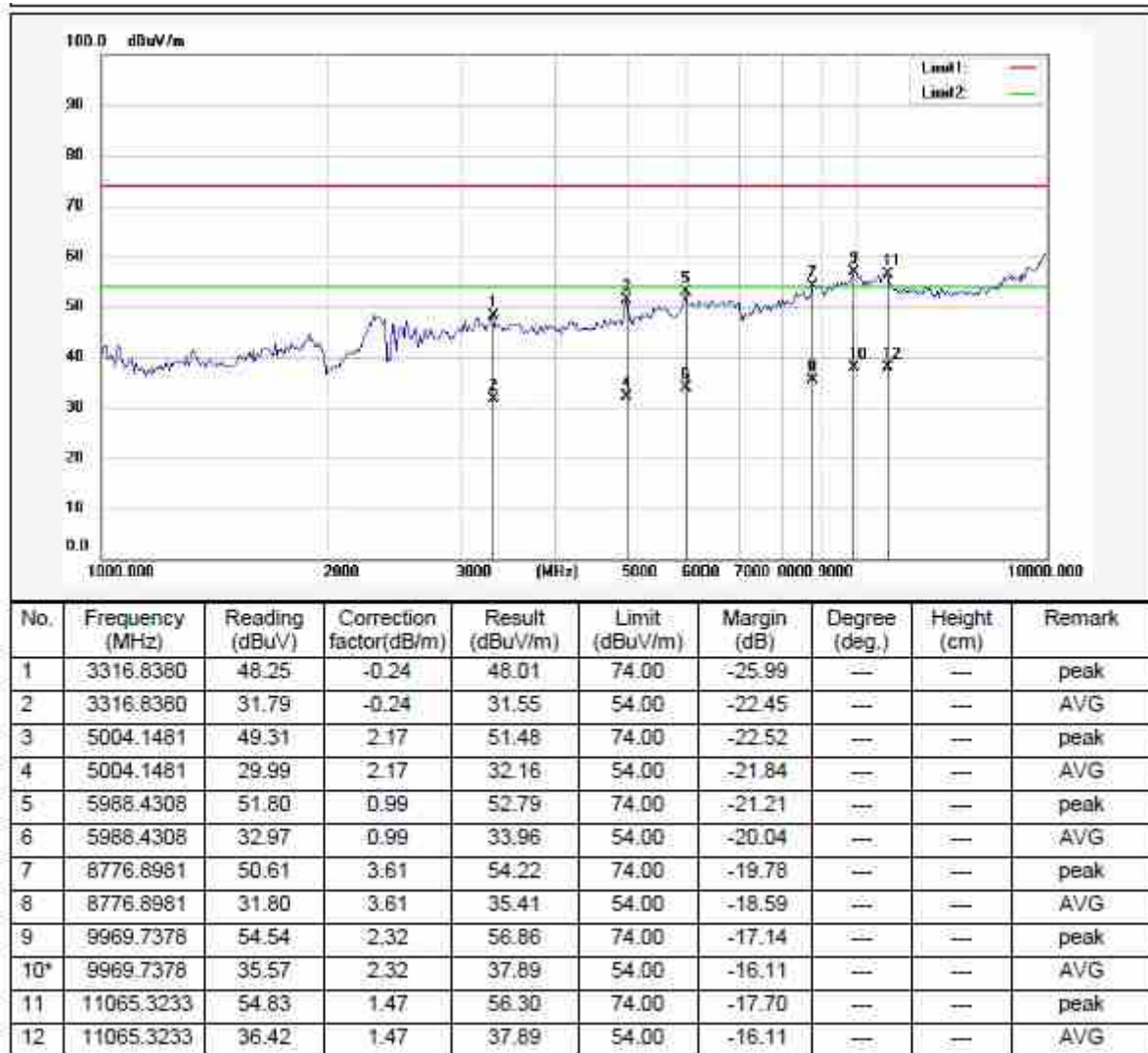
Middle Channel H



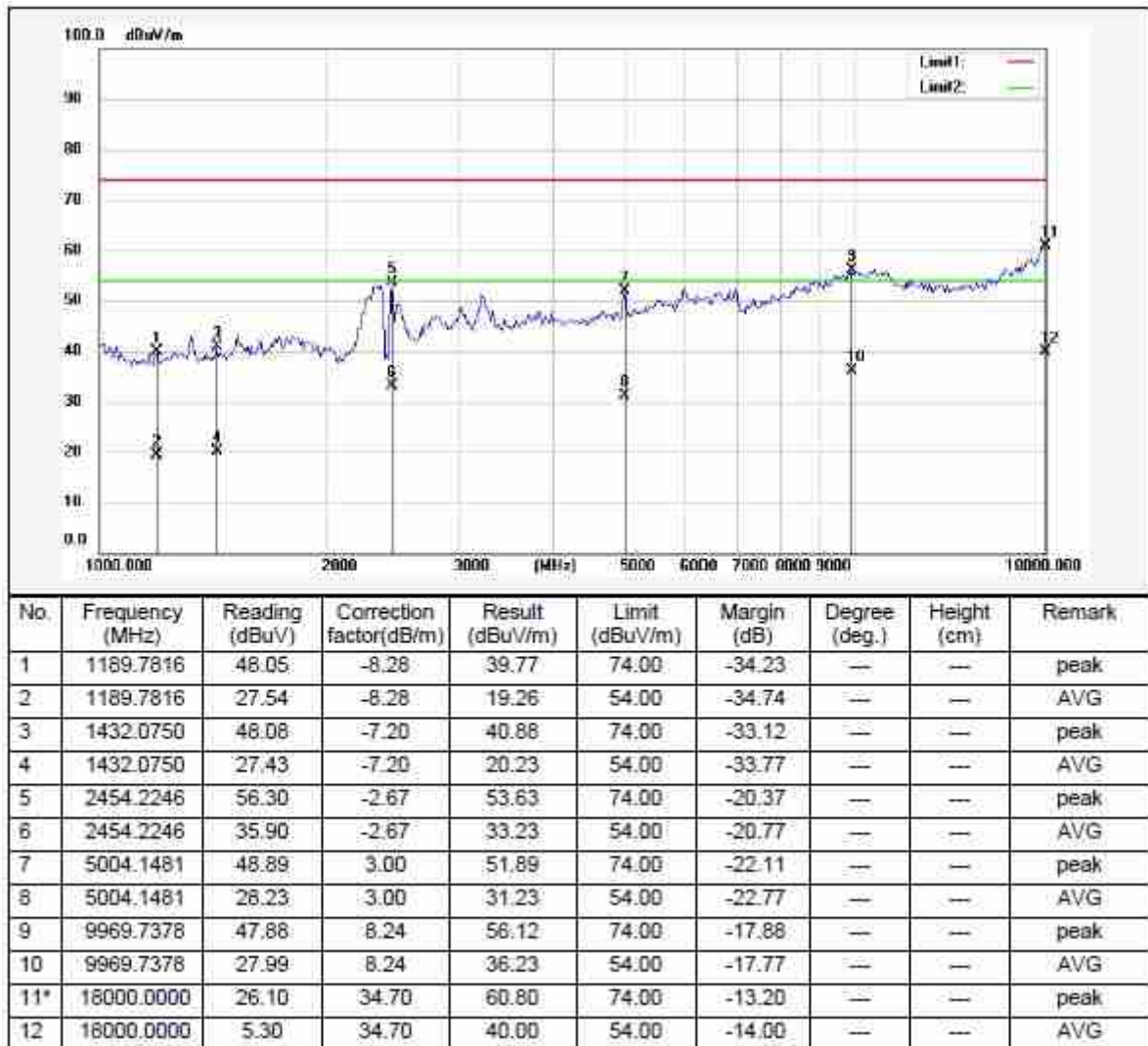
Middle Channel V



High Channel H

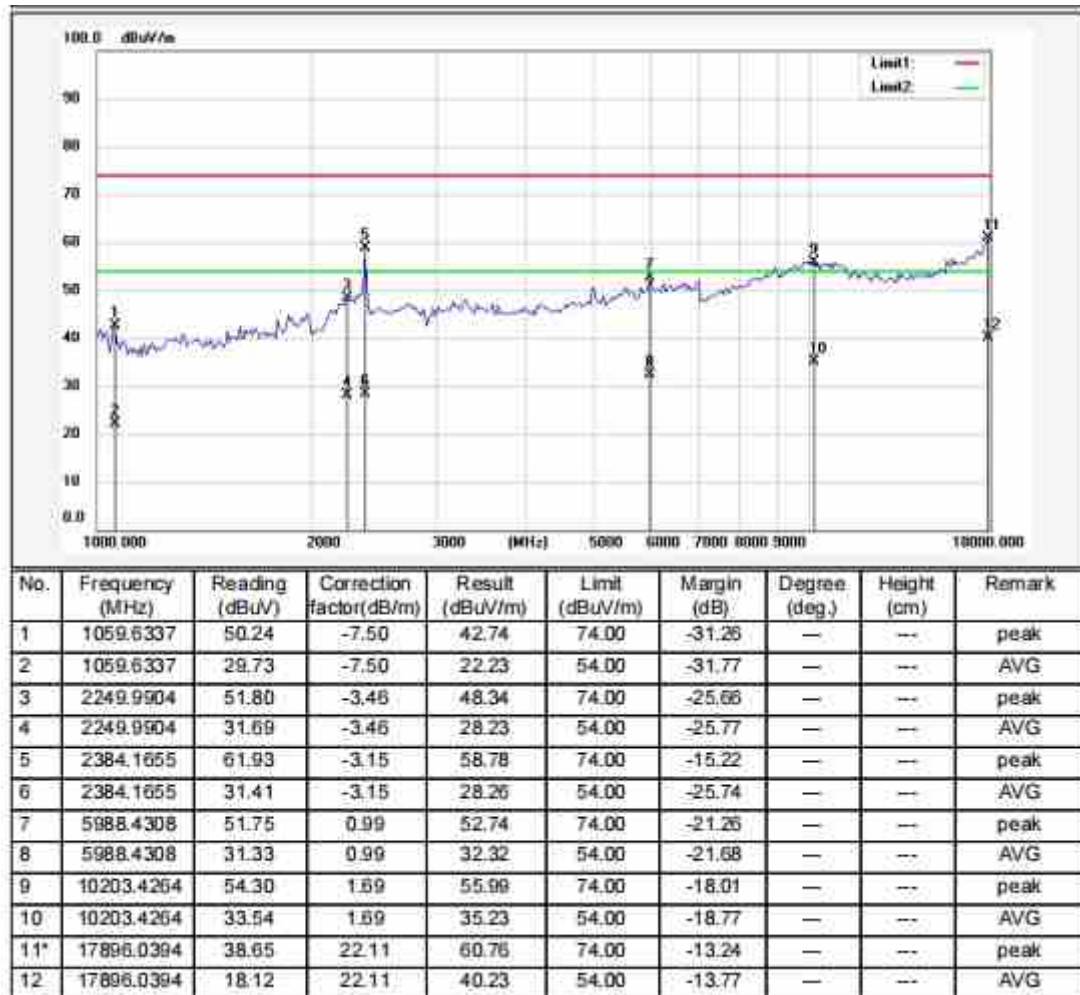


High Channel V

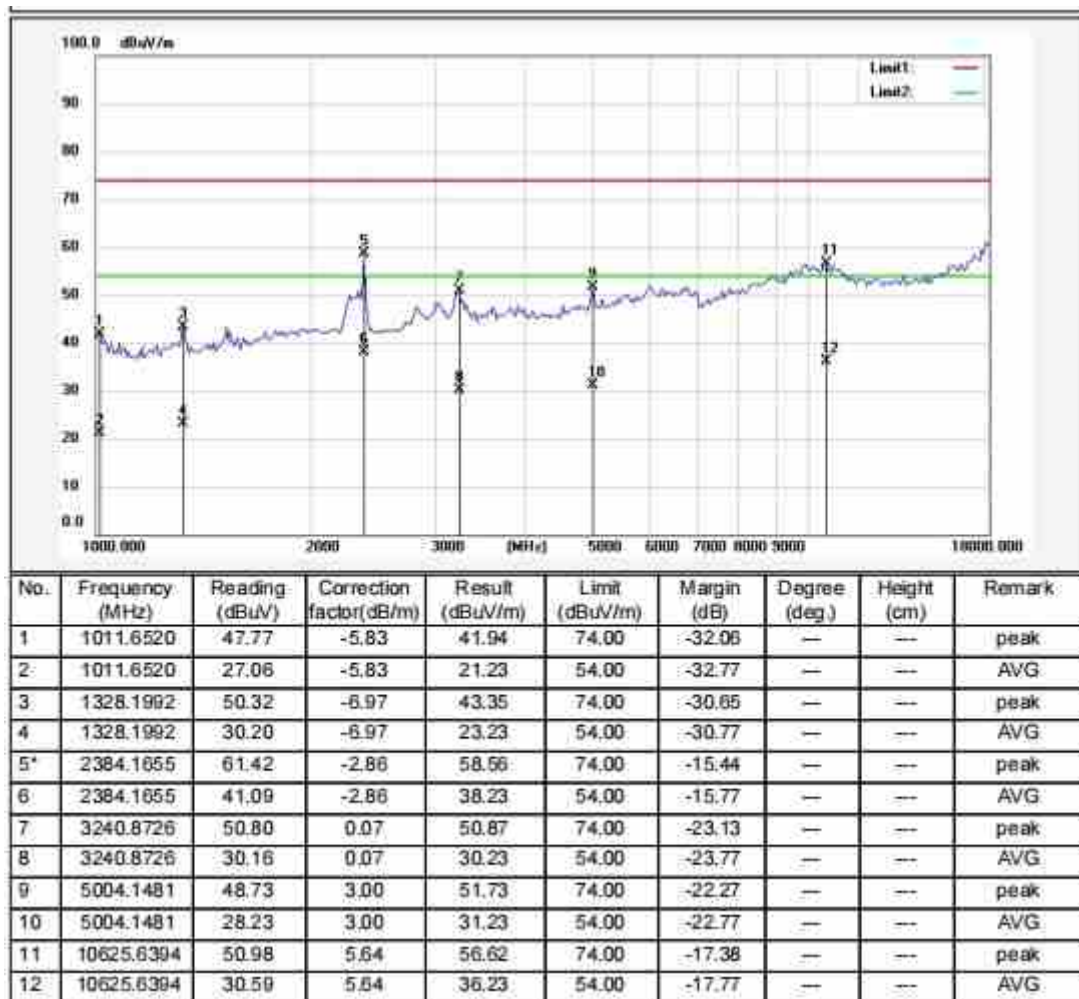


Wi-Fi 802.11 ax(HE20) mode, MCS0

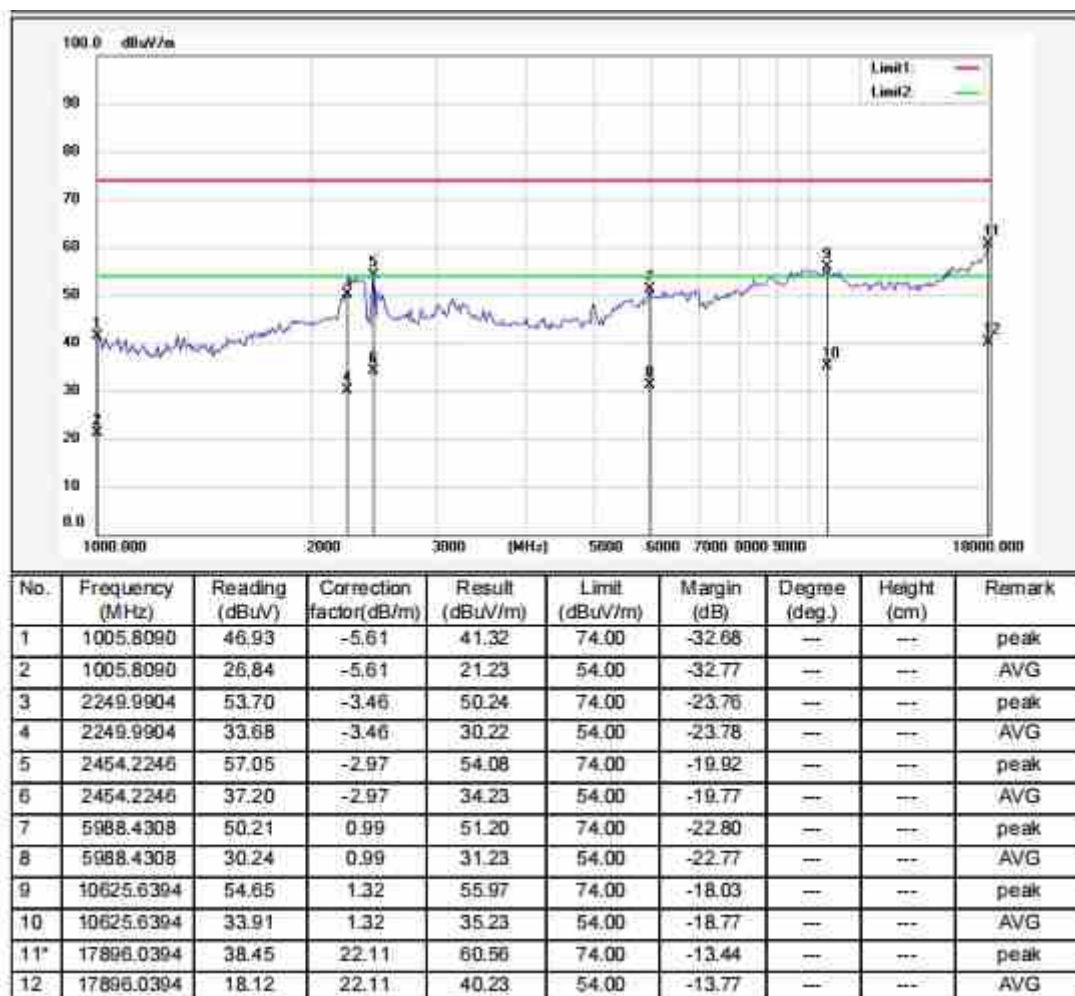
Low Channel H



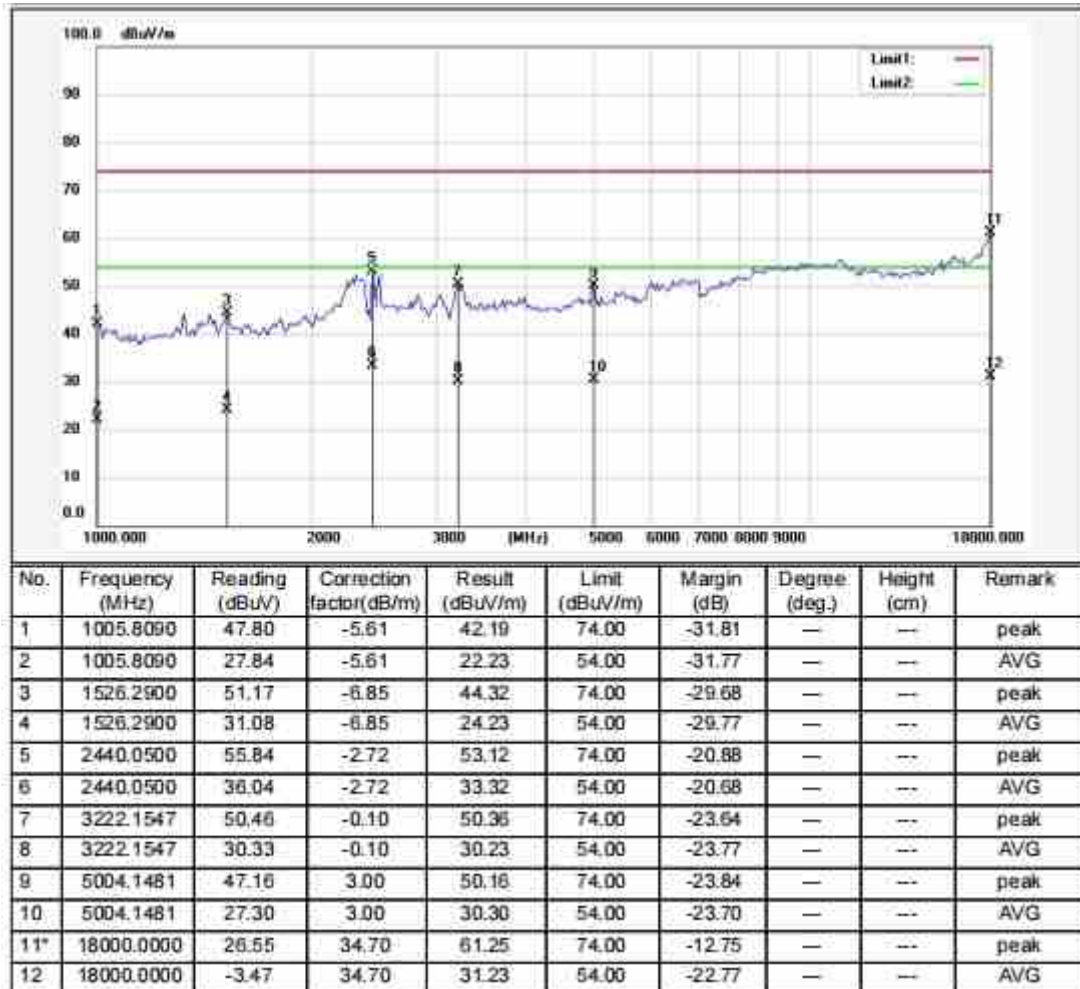
Low Channel V



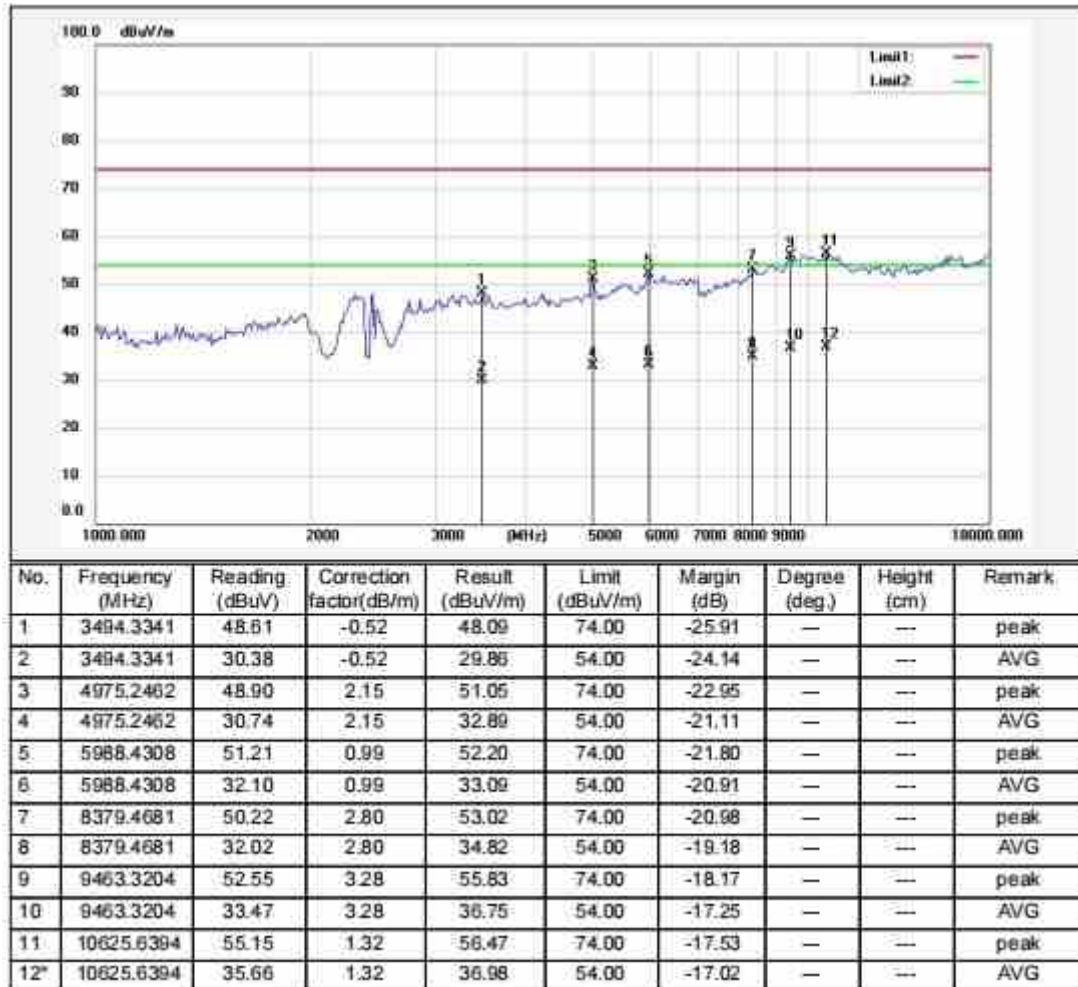
Middle Channel H



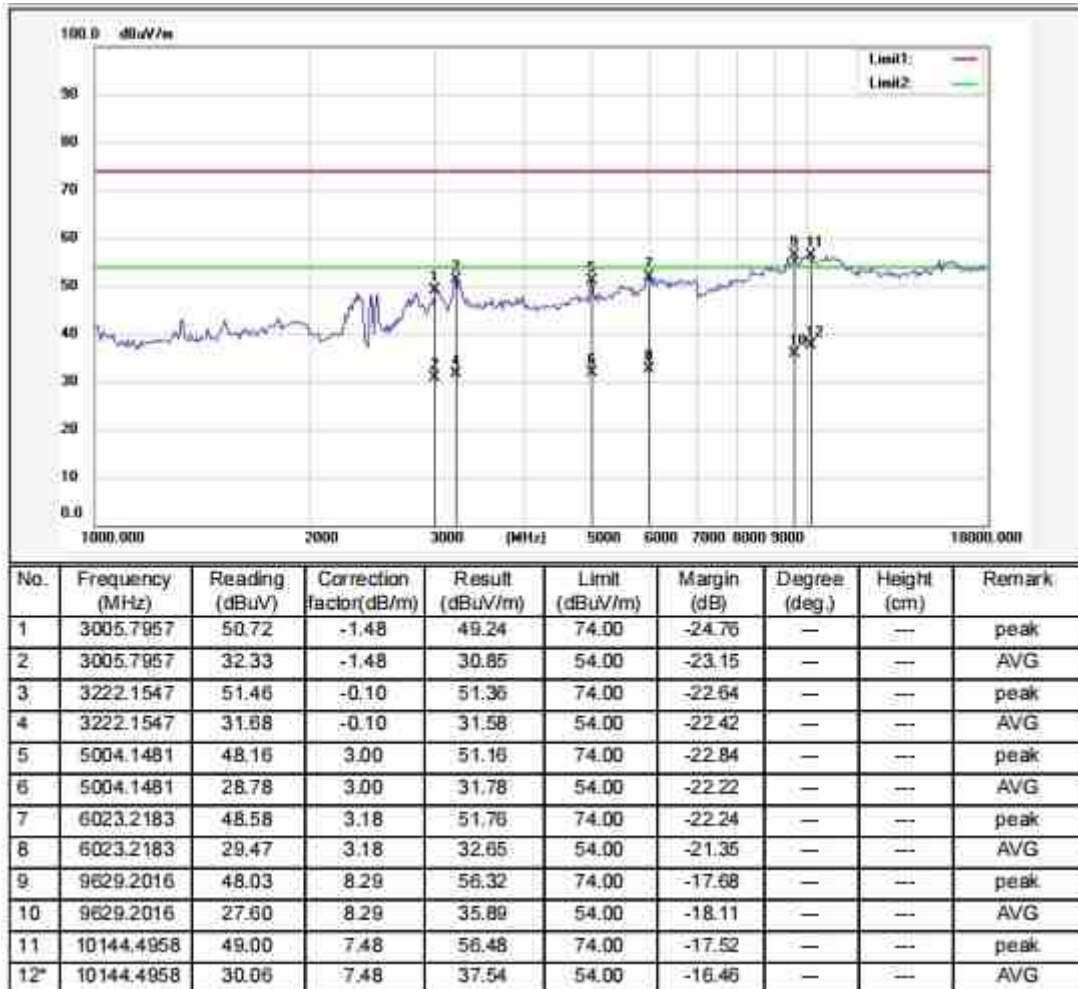
Middle Channel V



High Channel H

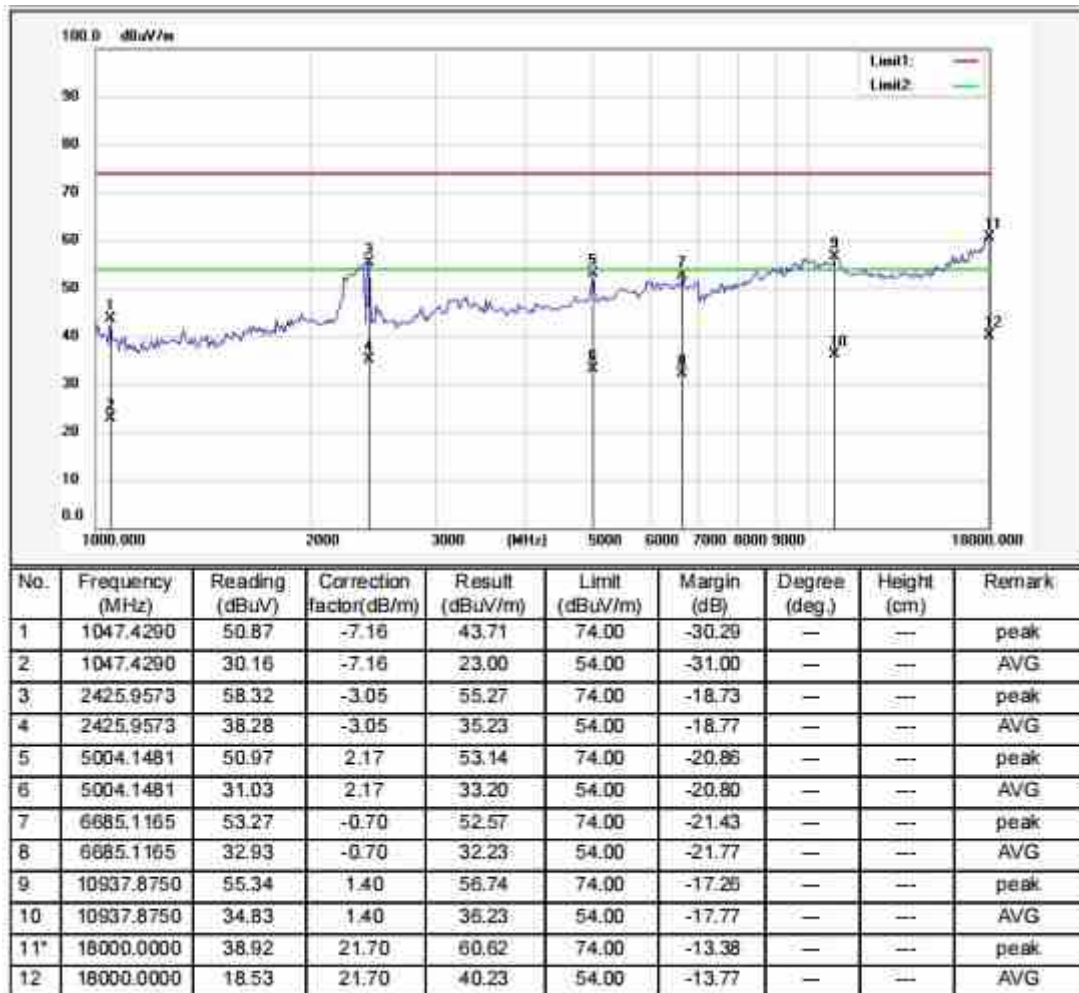


High Channel V

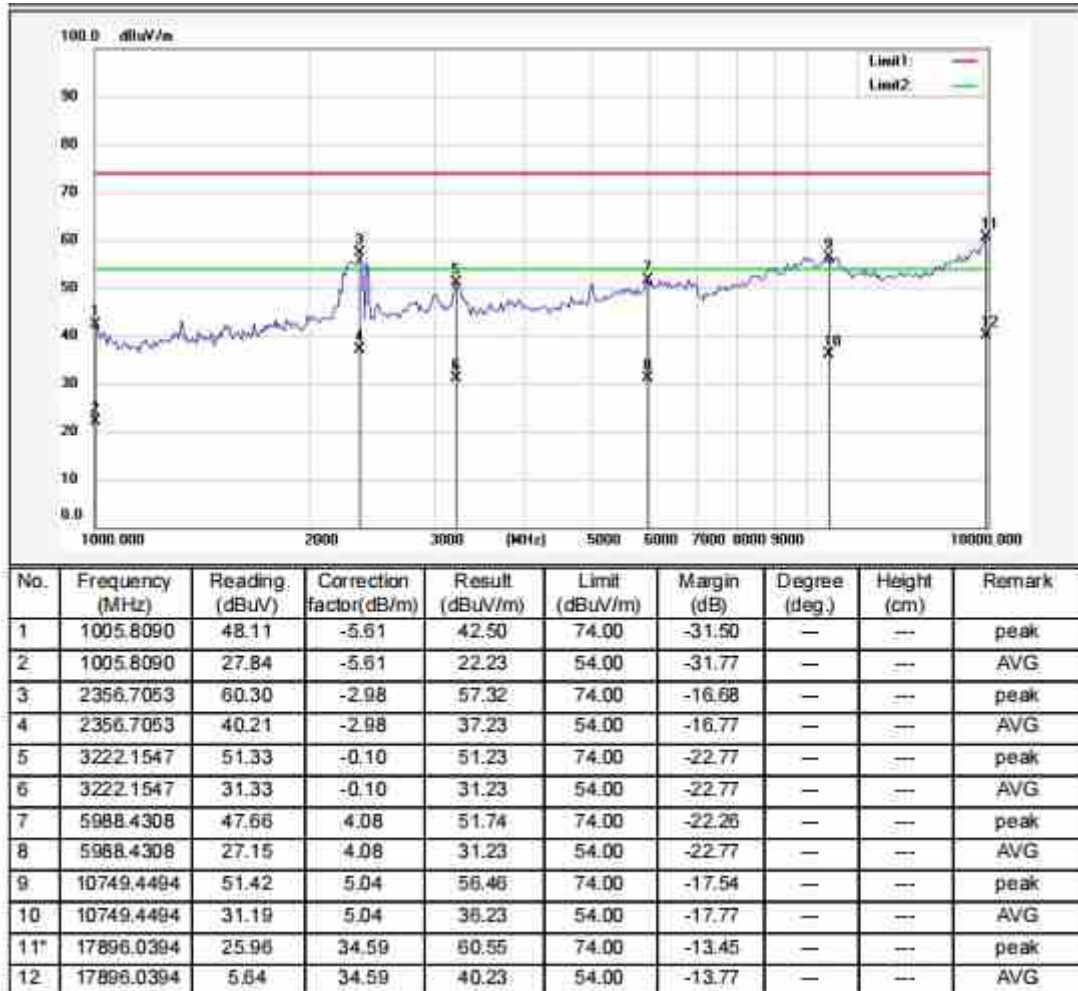


Wi-Fi 802.11 ax(HE40) mode, MCS0

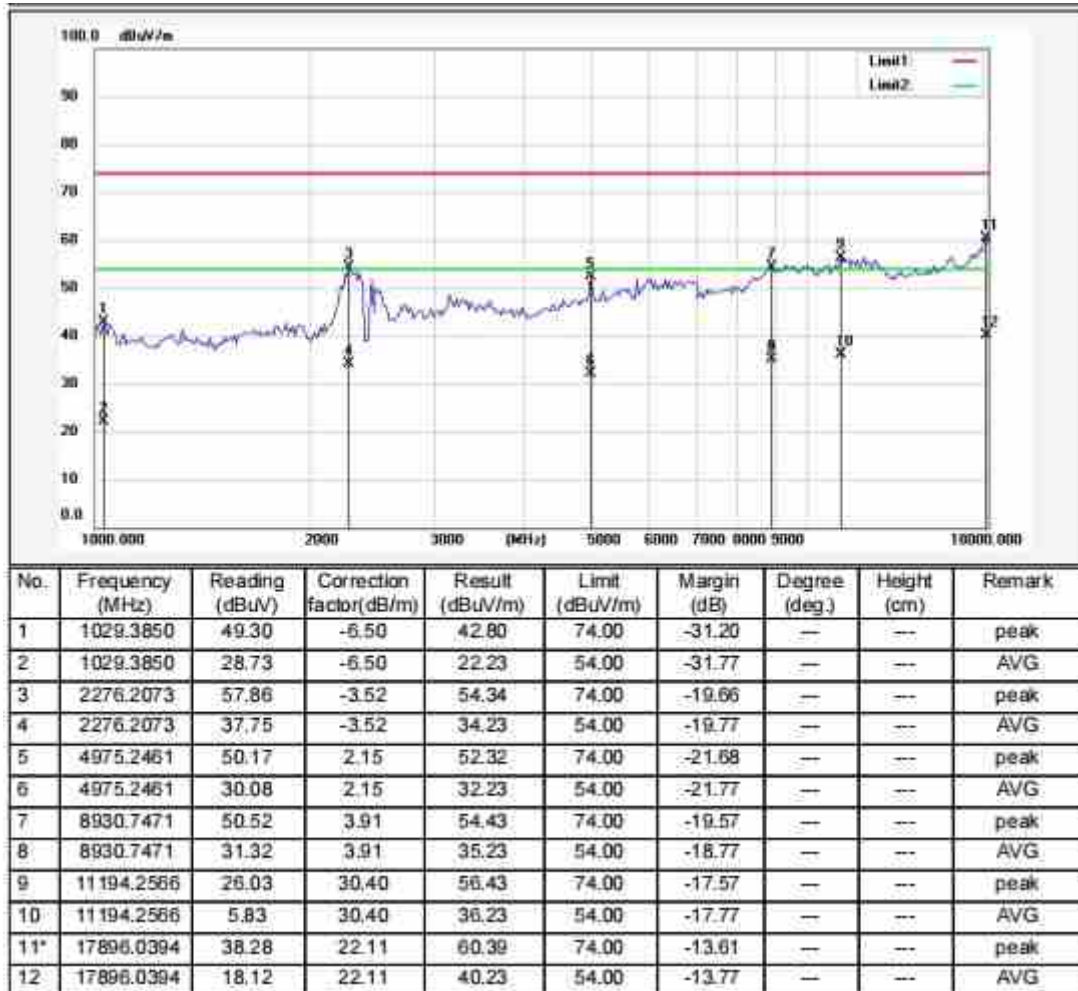
Low Channel H



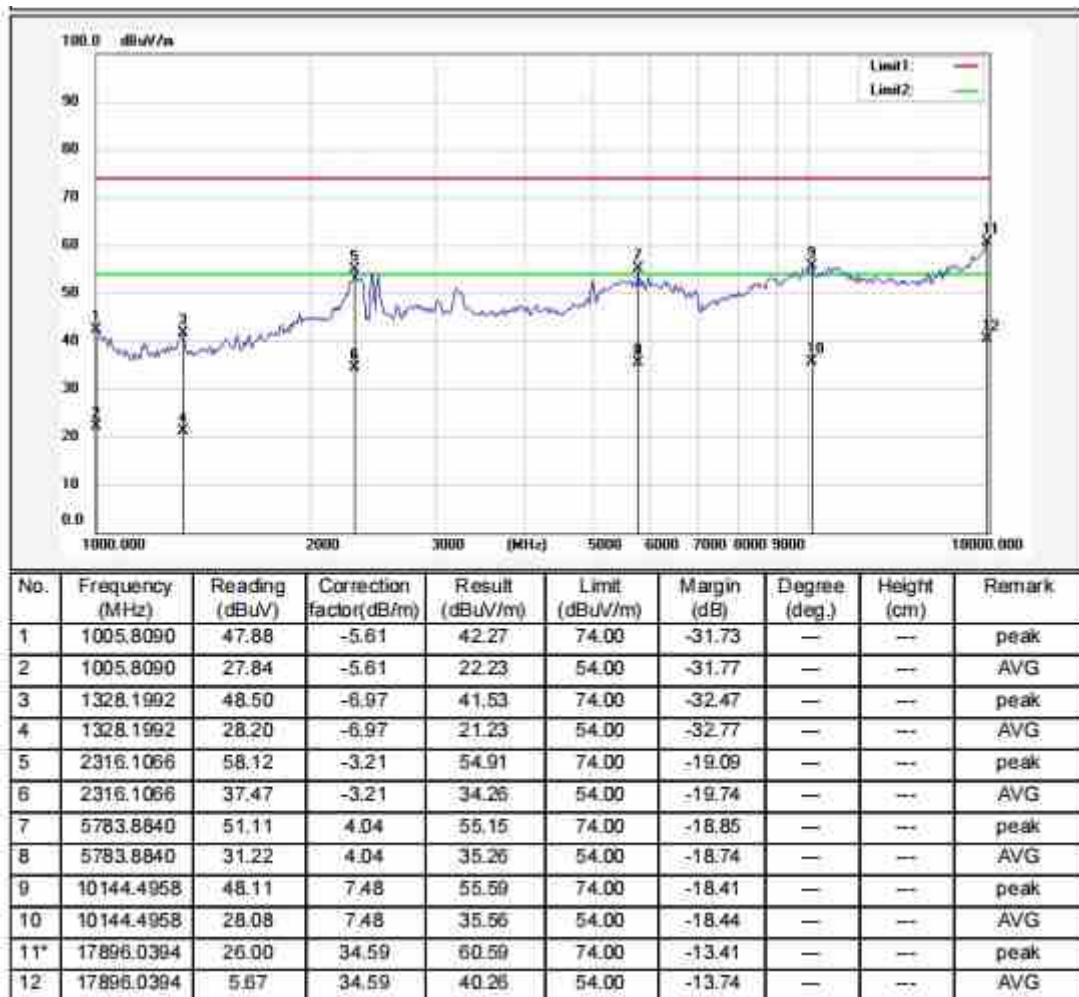
Low Channel V



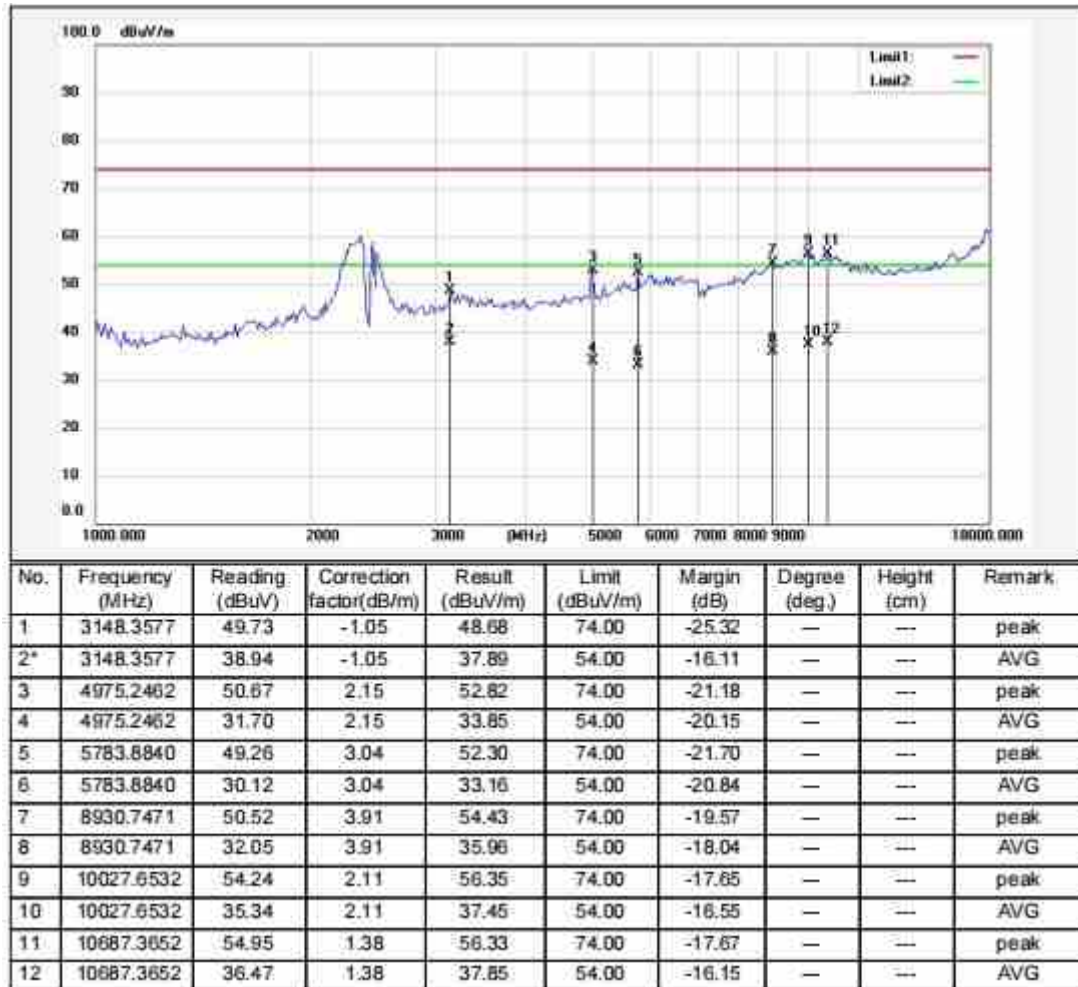
Middle Channel H



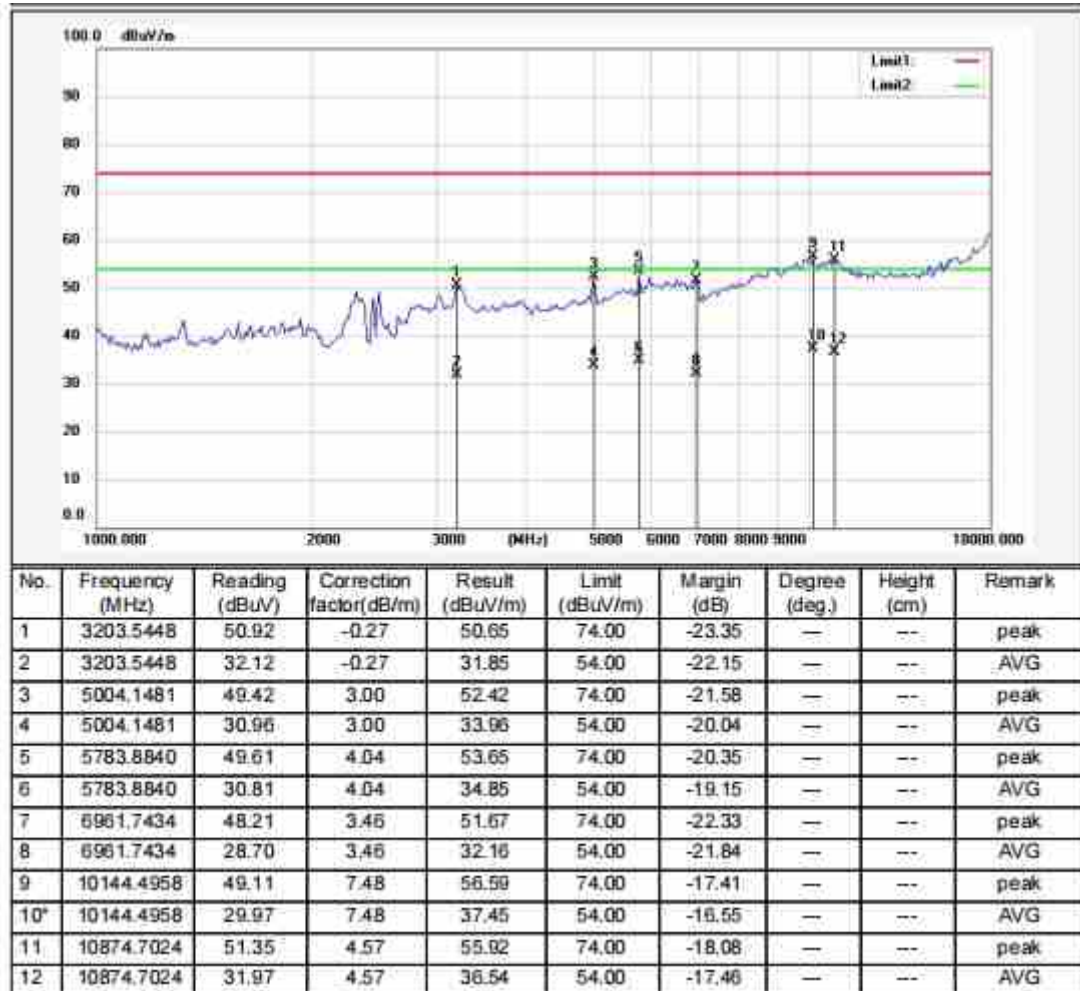
Middle Channel V



High Channel H

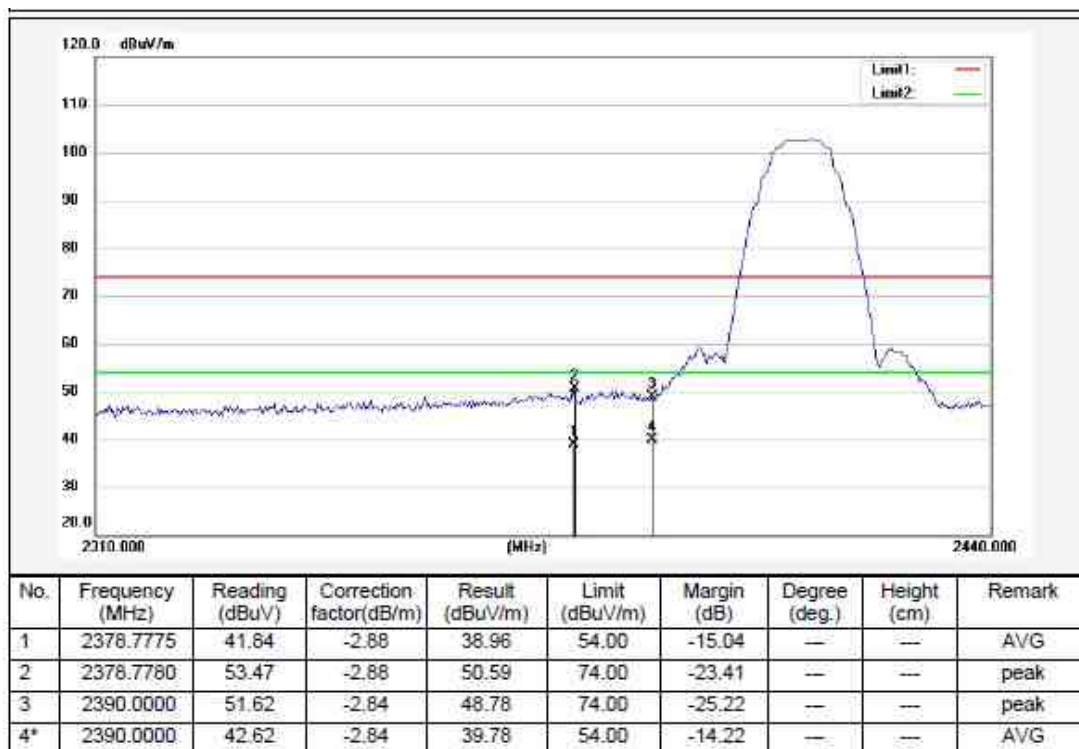


High Channel V

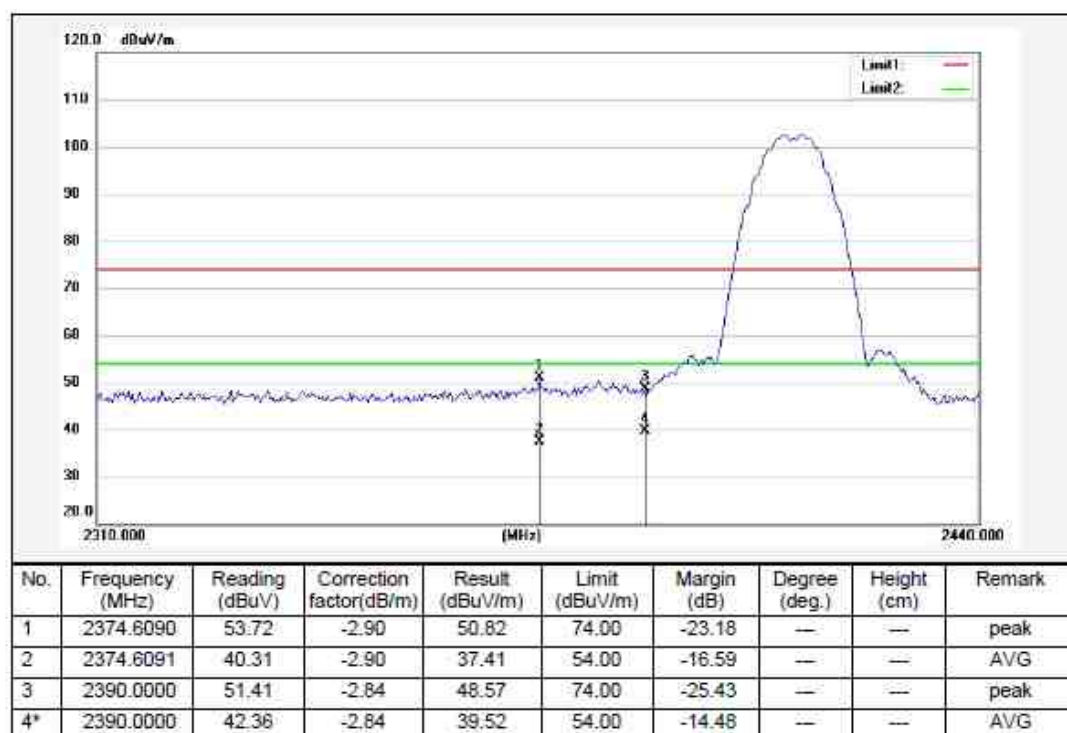


Appendix B.6: Test Results of Radiated Emissions in Restricted Bands Wi-Fi 802.11 b mode, 1 Mbps

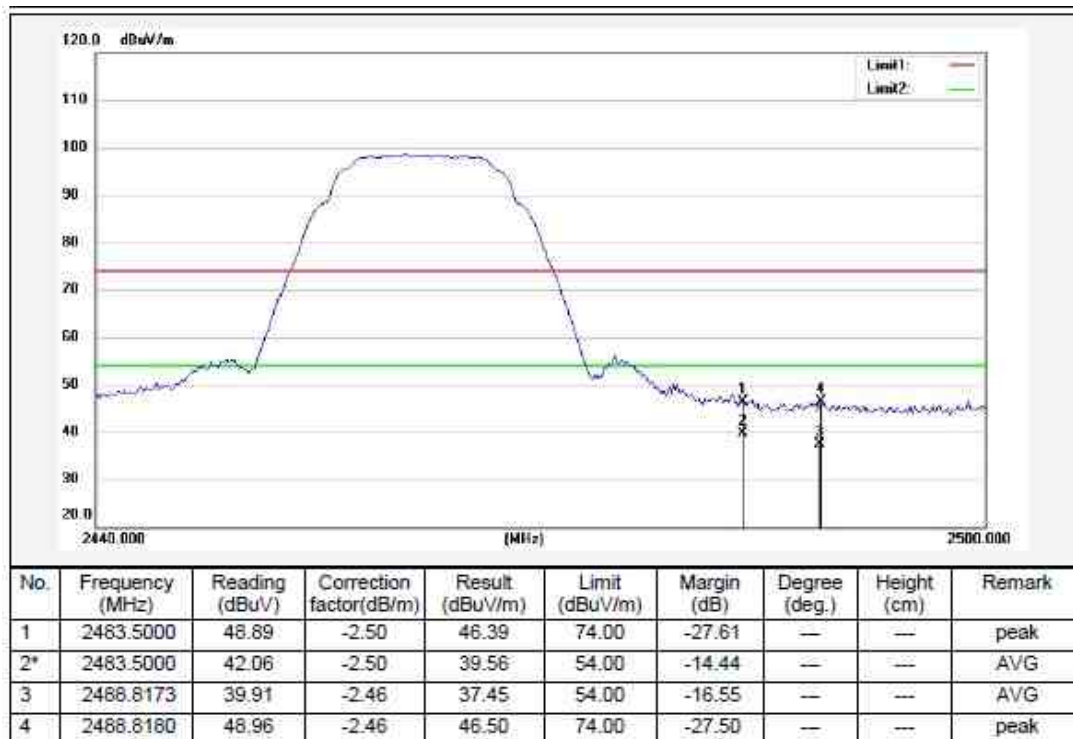
Low Channel H



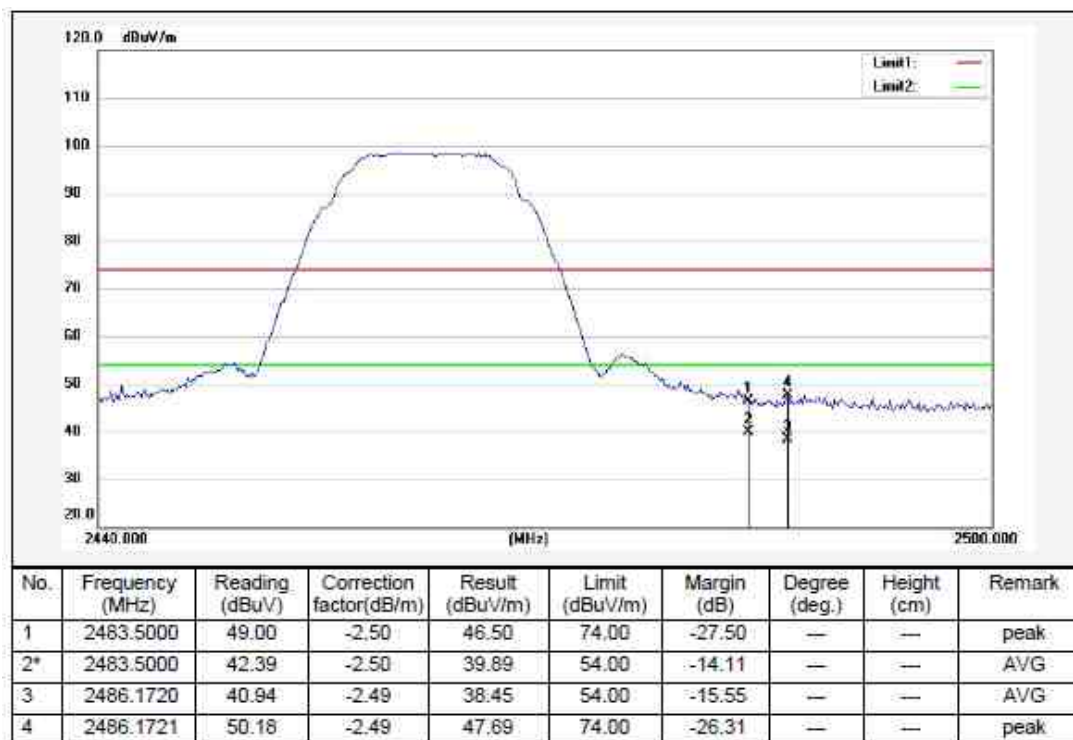
Low Channel V



High Channel H

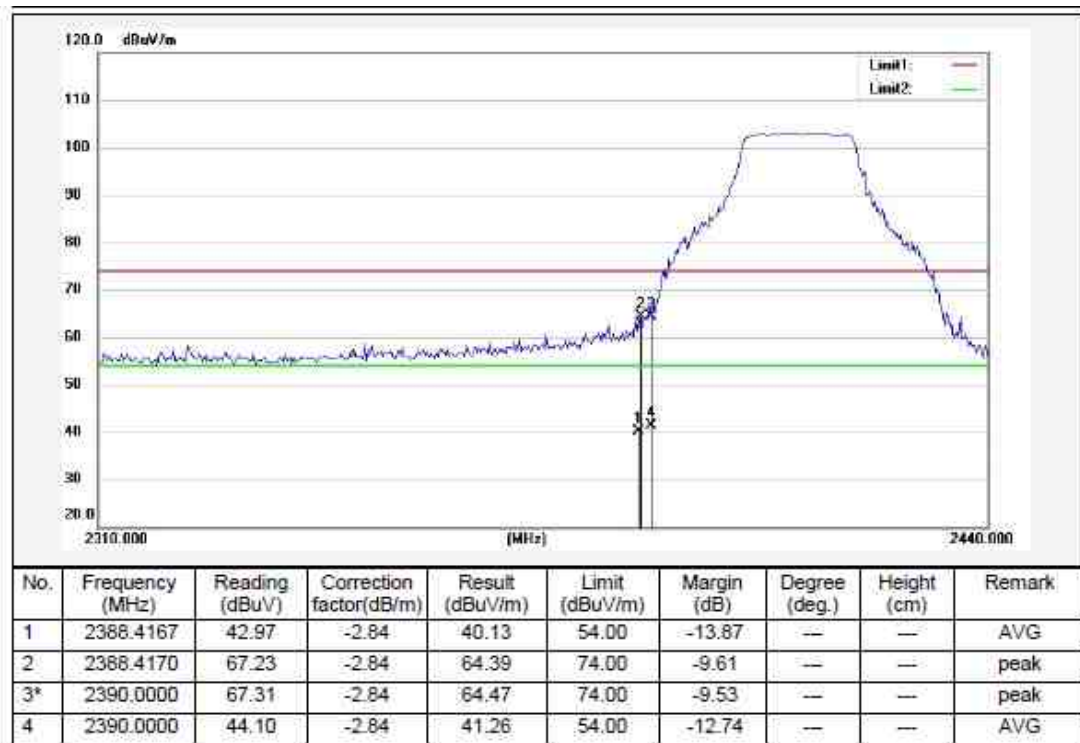


High Channel V

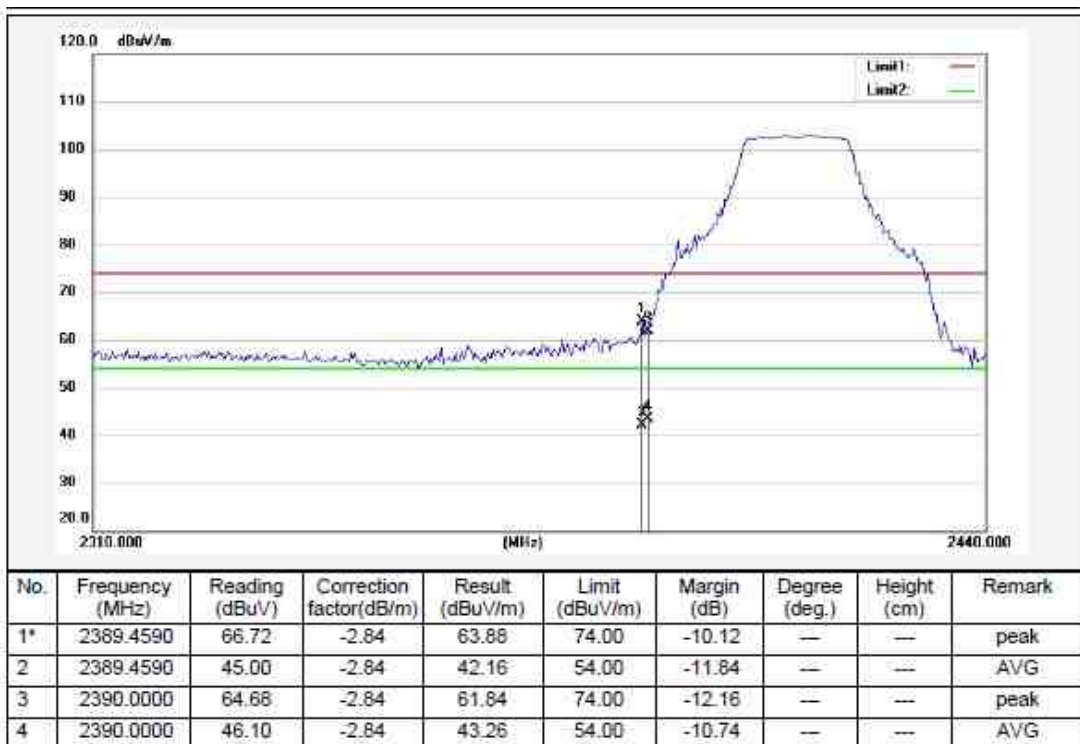


Wi-Fi 802.11 g mode, 6 Mbps

Low Channel H



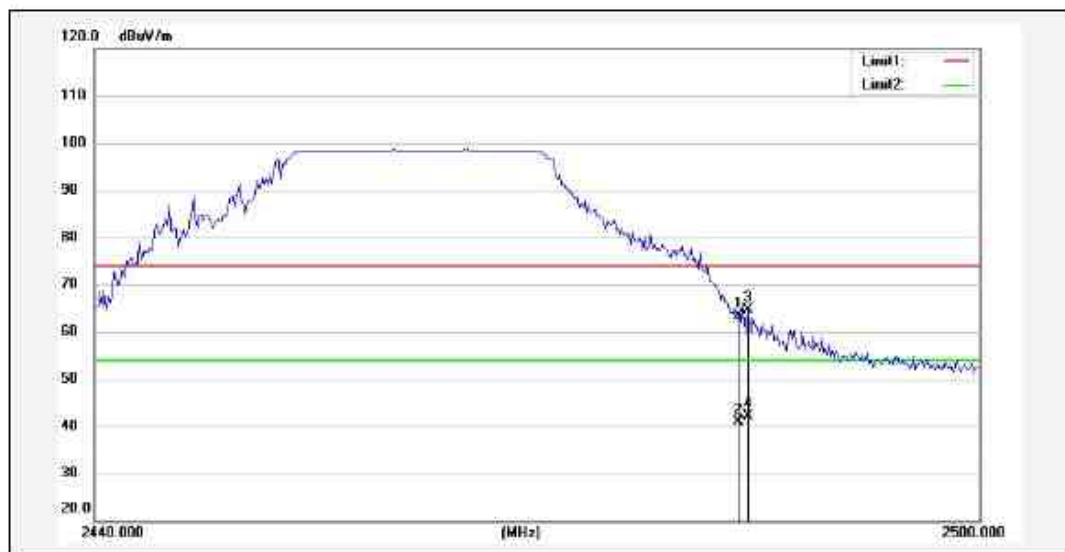
Low Channel V



Prüfbericht - Produkte

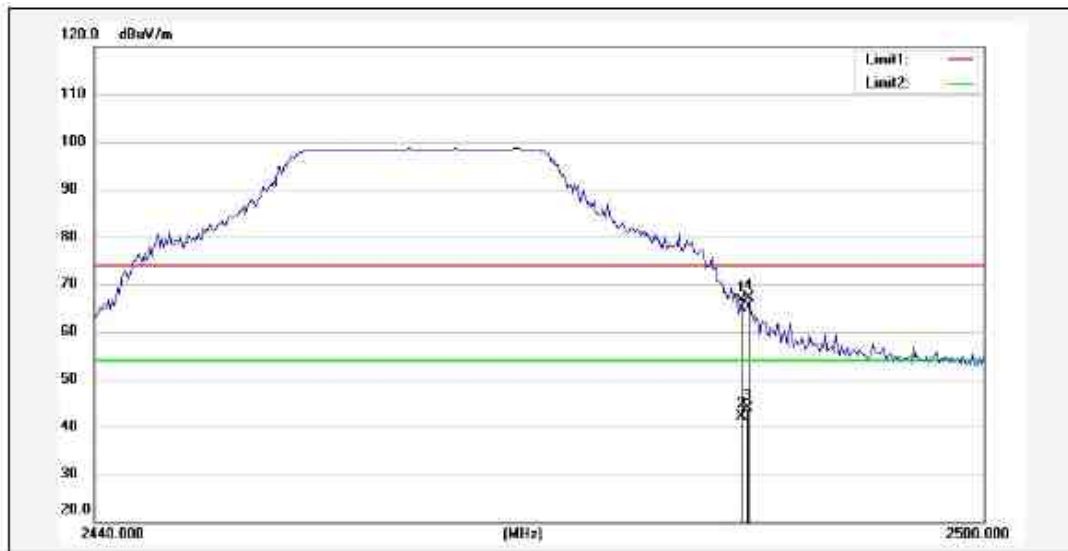
Test Report - Products

High Channel H



No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.5000	65.87	-2.50	63.37	74.00	-10.63	---	---	peak
2	2483.5000	43.50	-2.50	41.00	54.00	-13.00	---	---	AVG
3*	2484.1282	67.19	-2.49	64.70	74.00	-9.30	---	---	peak
4	2484.1282	44.65	-2.49	42.16	54.00	-11.84	---	---	AVG

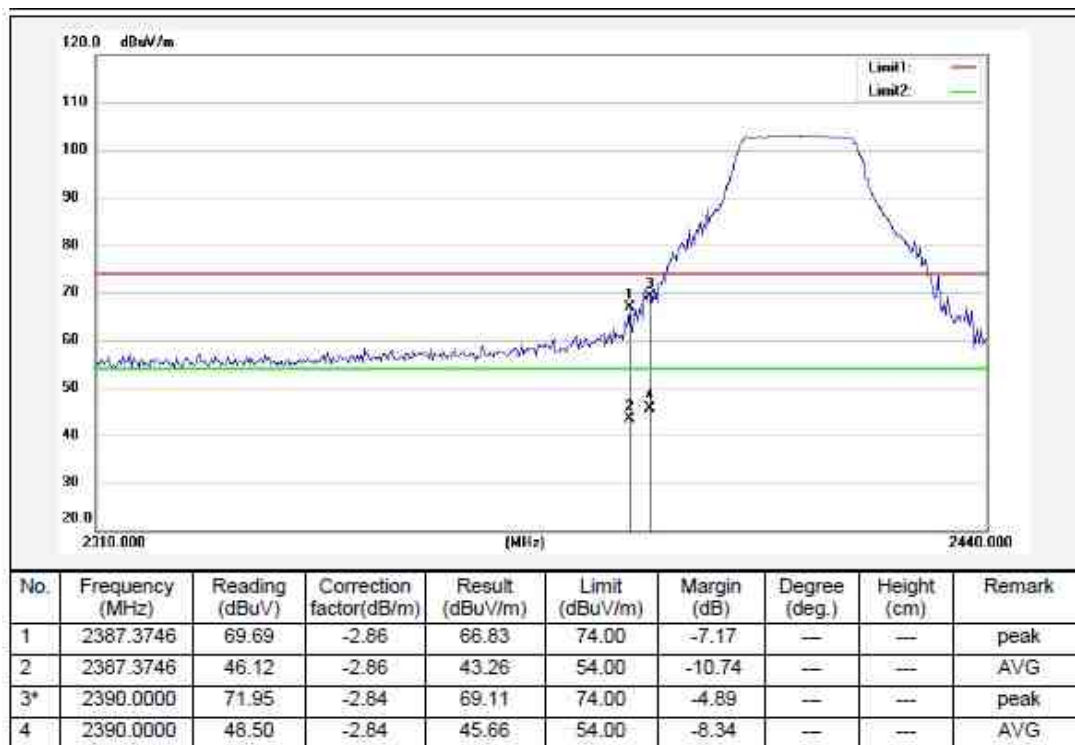
High Channel V



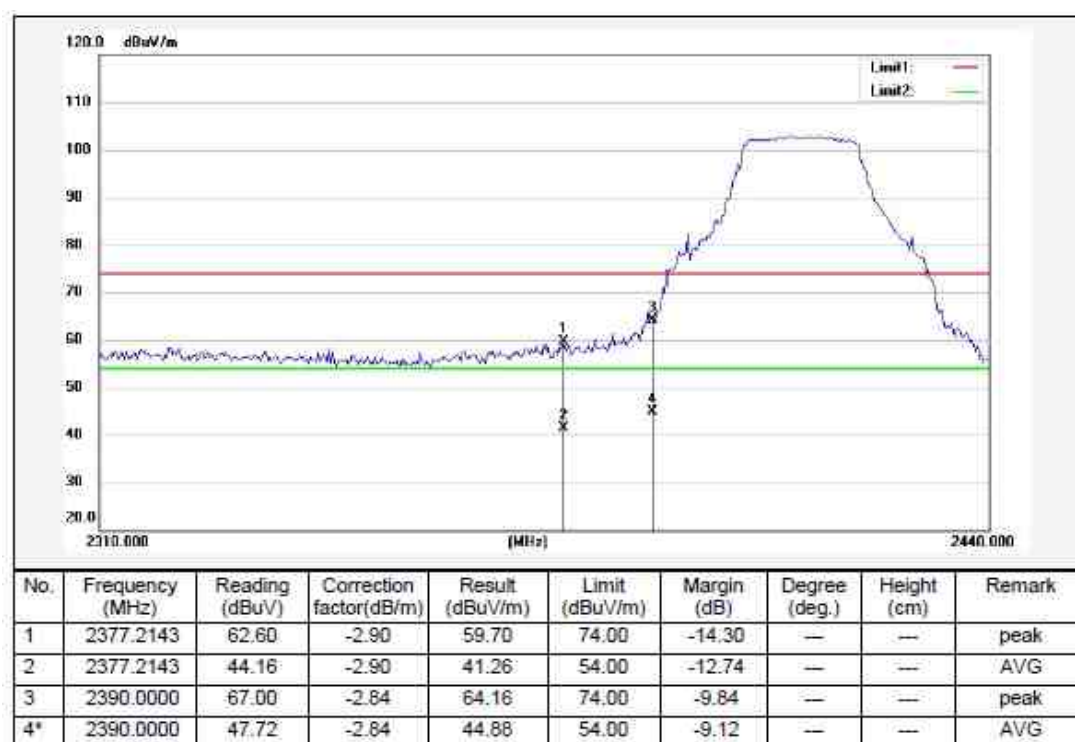
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	2483.5000	69.04	-2.50	66.54	74.00	-7.46	---	---	peak
2	2483.5000	44.59	-2.50	42.09	54.00	-11.91	---	---	AVG
3	2483.6100	46.33	-2.49	43.84	54.00	-10.16	---	---	AVG
4*	2484.0080	69.71	-2.49	67.22	74.00	-6.78	---	---	peak

Wi-Fi 802.11 n(HT20) mode, MCS0

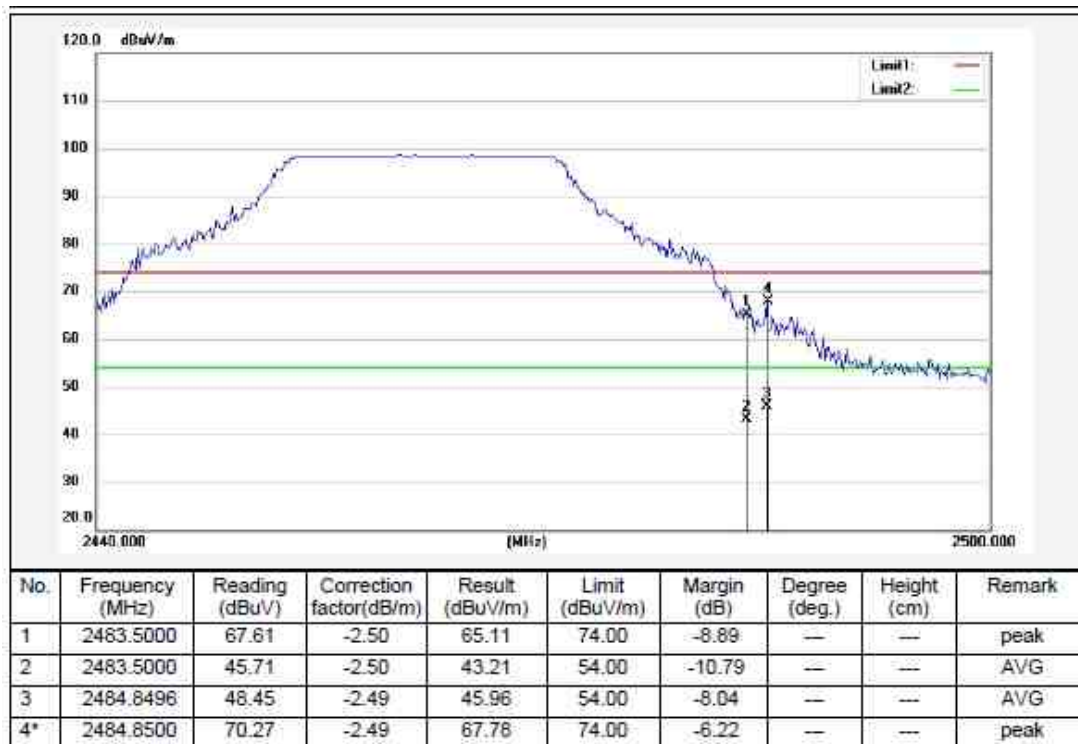
Low Channel H



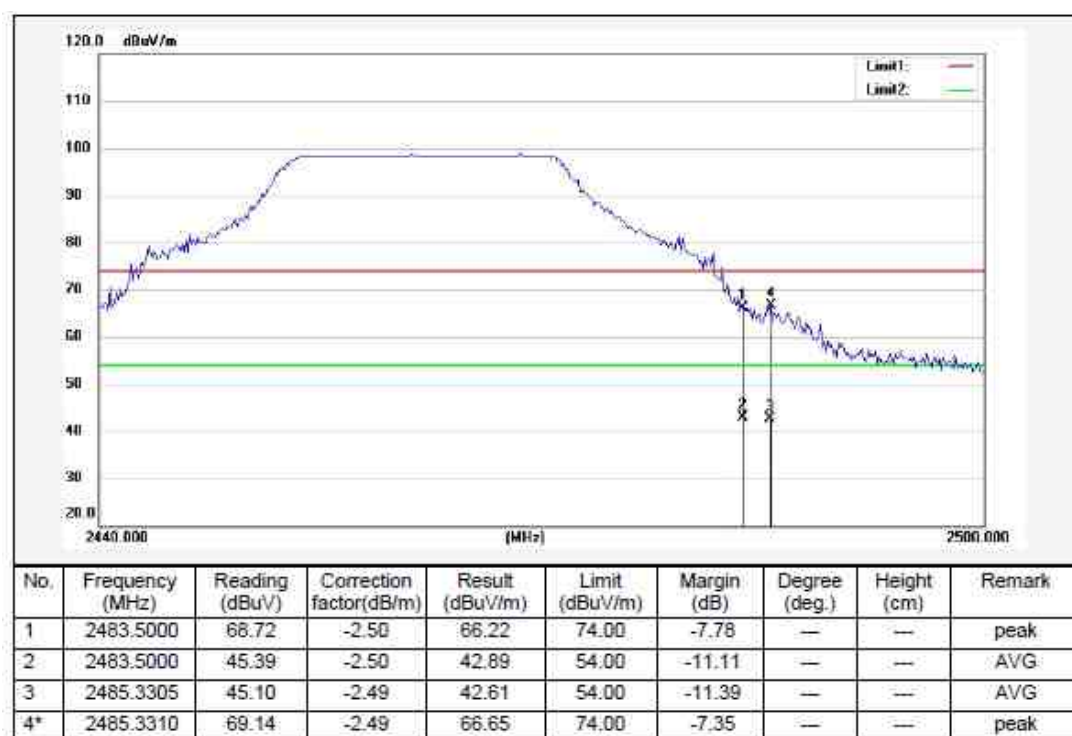
Low Channel V



High Channel H

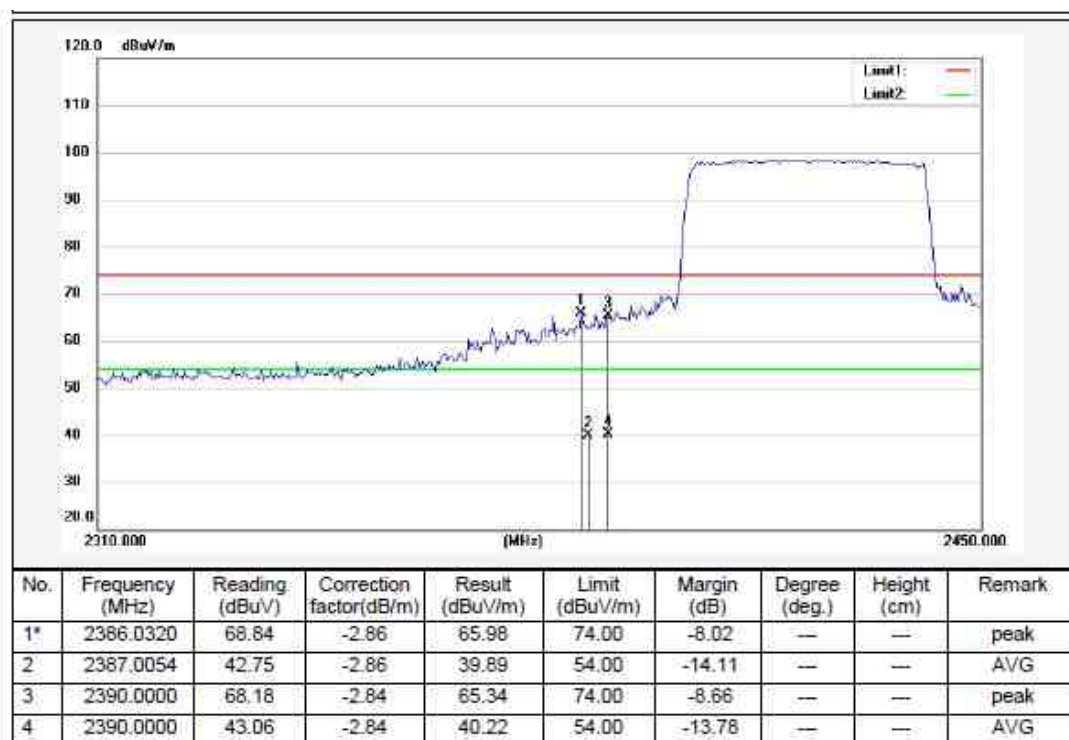


High Channel V

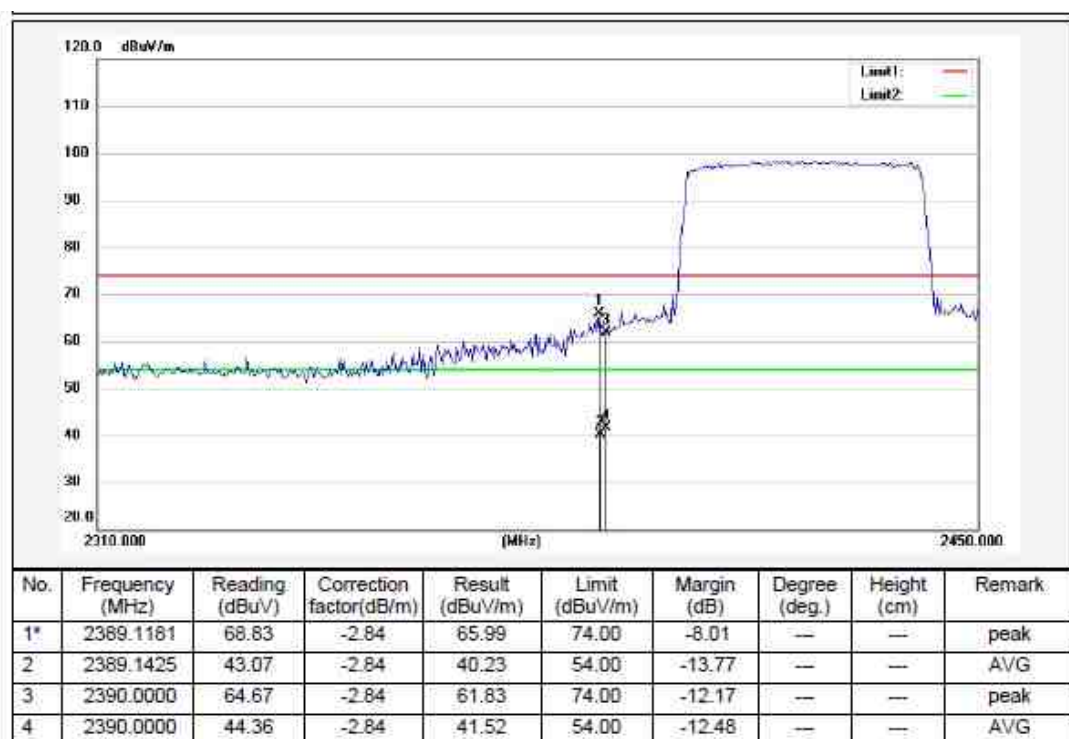


Wi-Fi 802.11 n(HT40) mode, MCS0

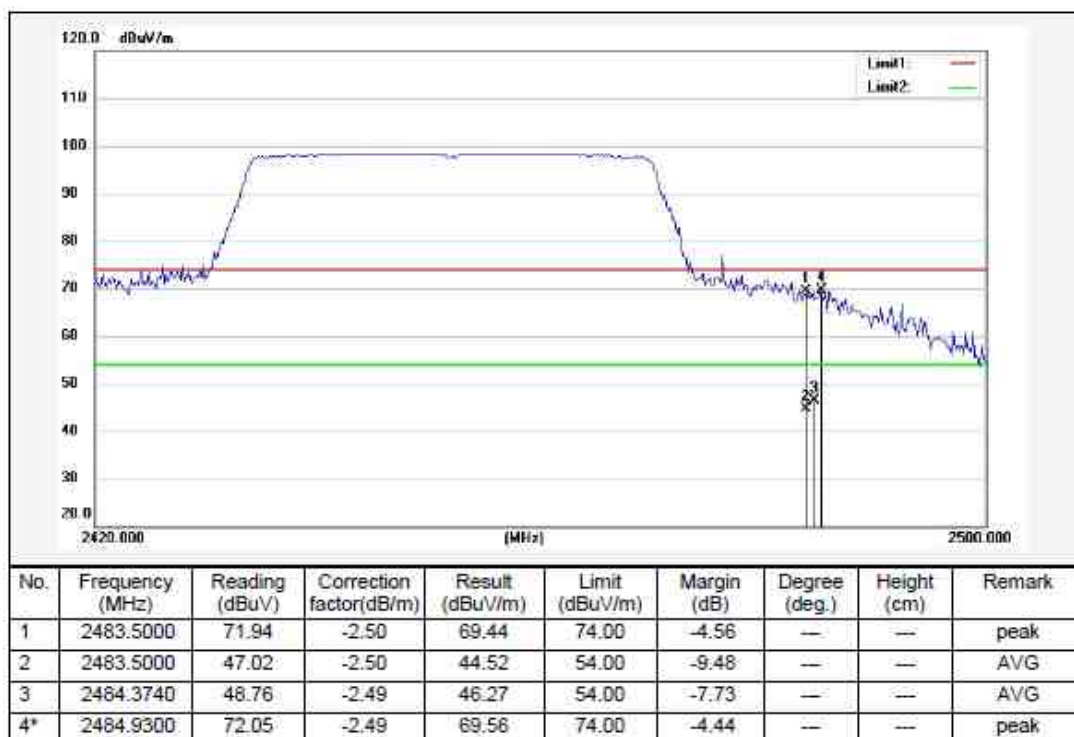
Low Channel H



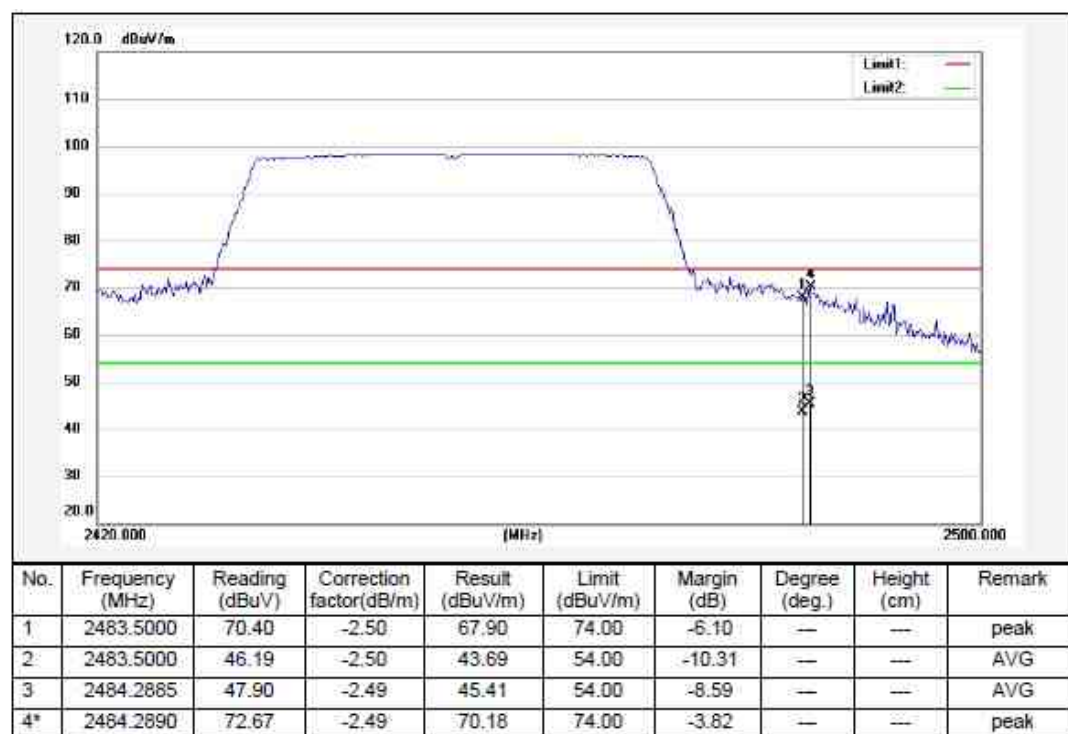
Low Channel V



High Channel H

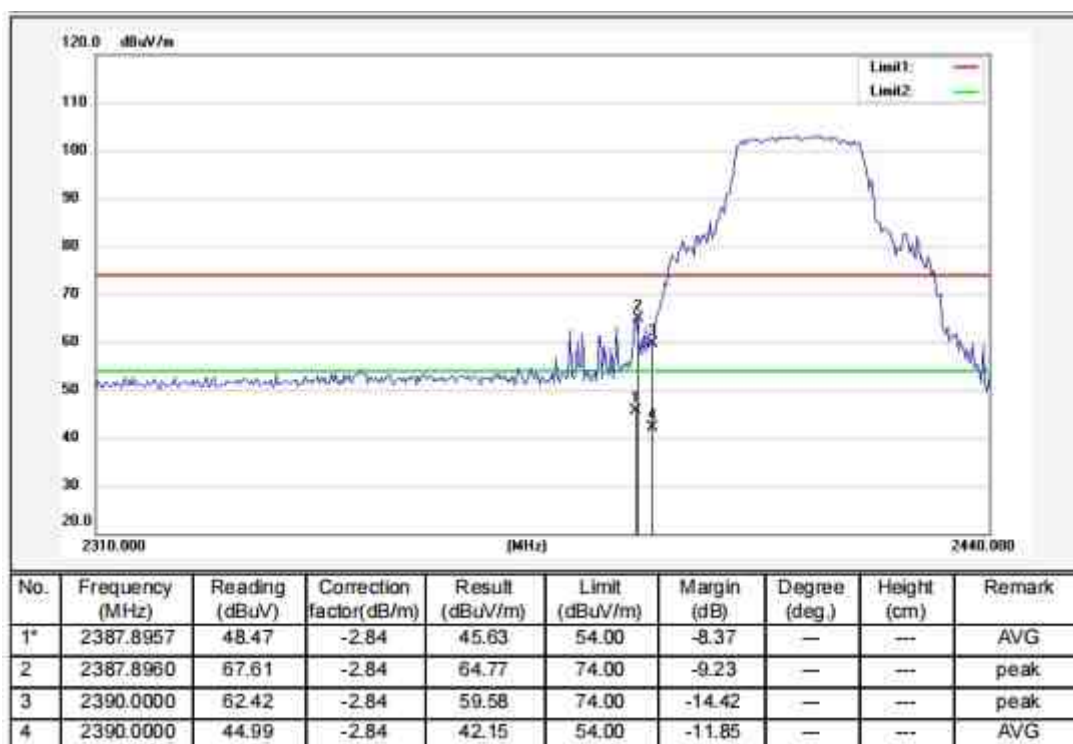


High Channel V

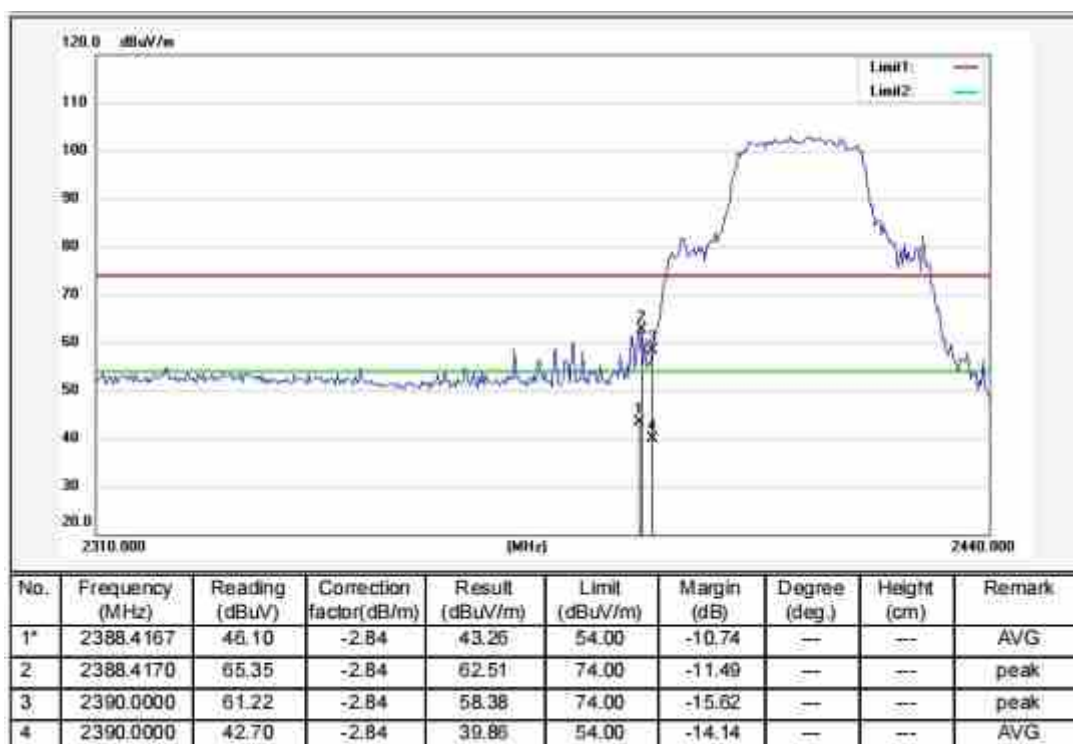


Wi-Fi 802.11 ax(HE20) mode, MCS0

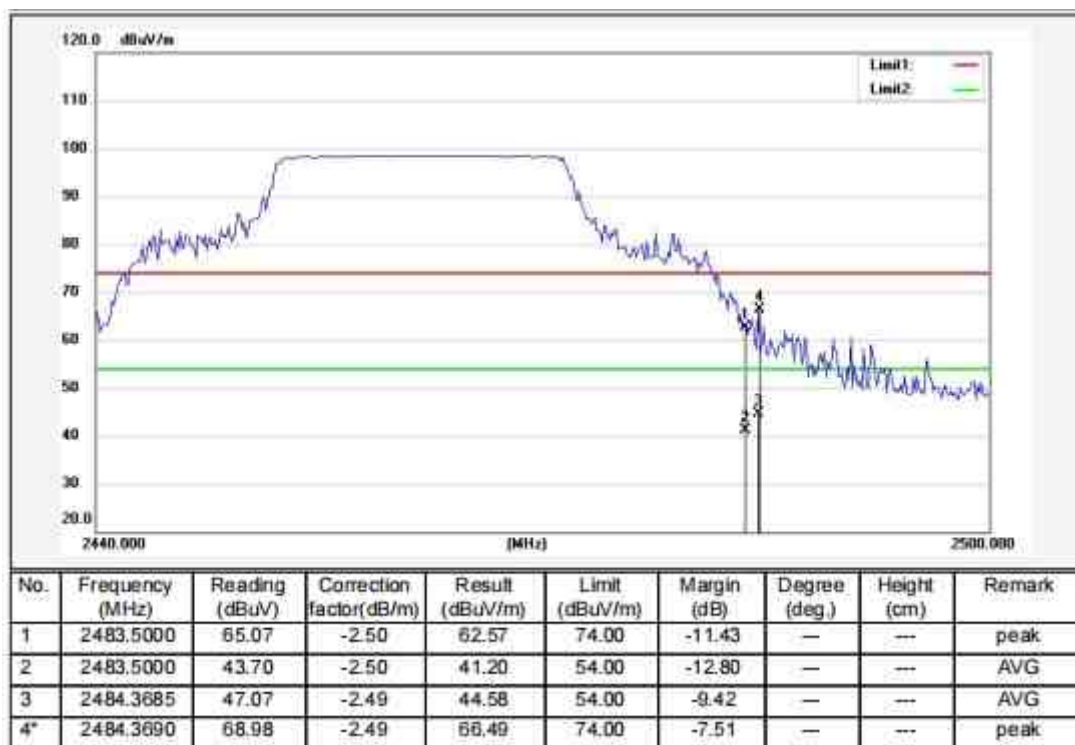
Low Channel H



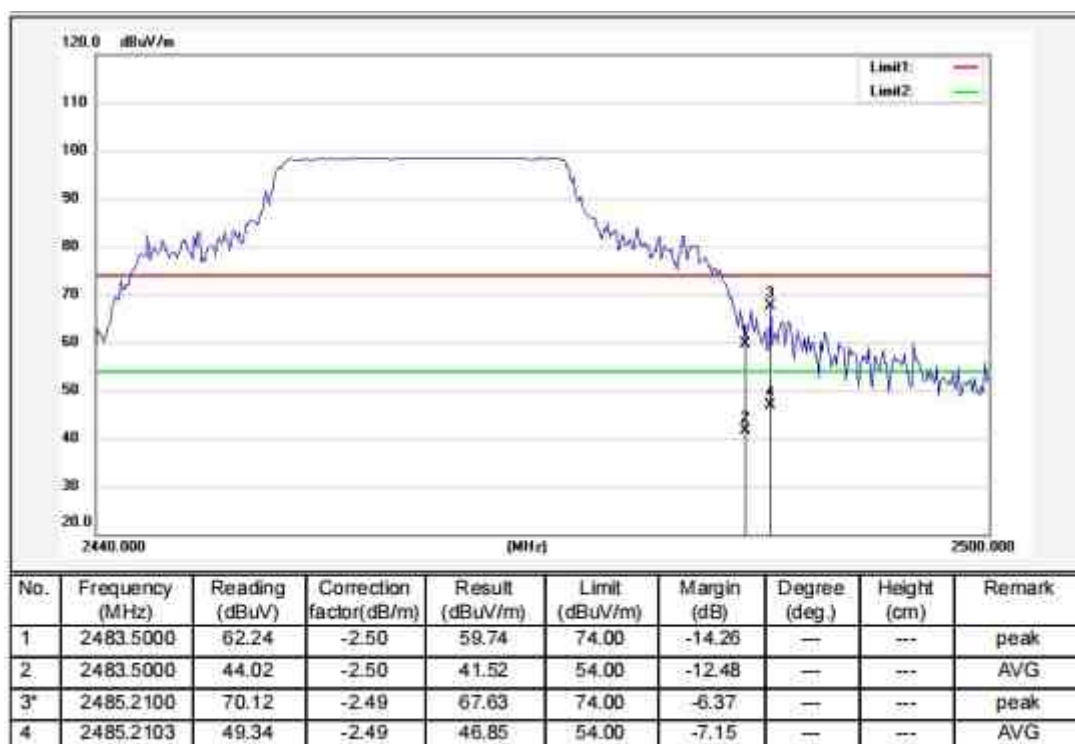
Low Channel V



High Channel H

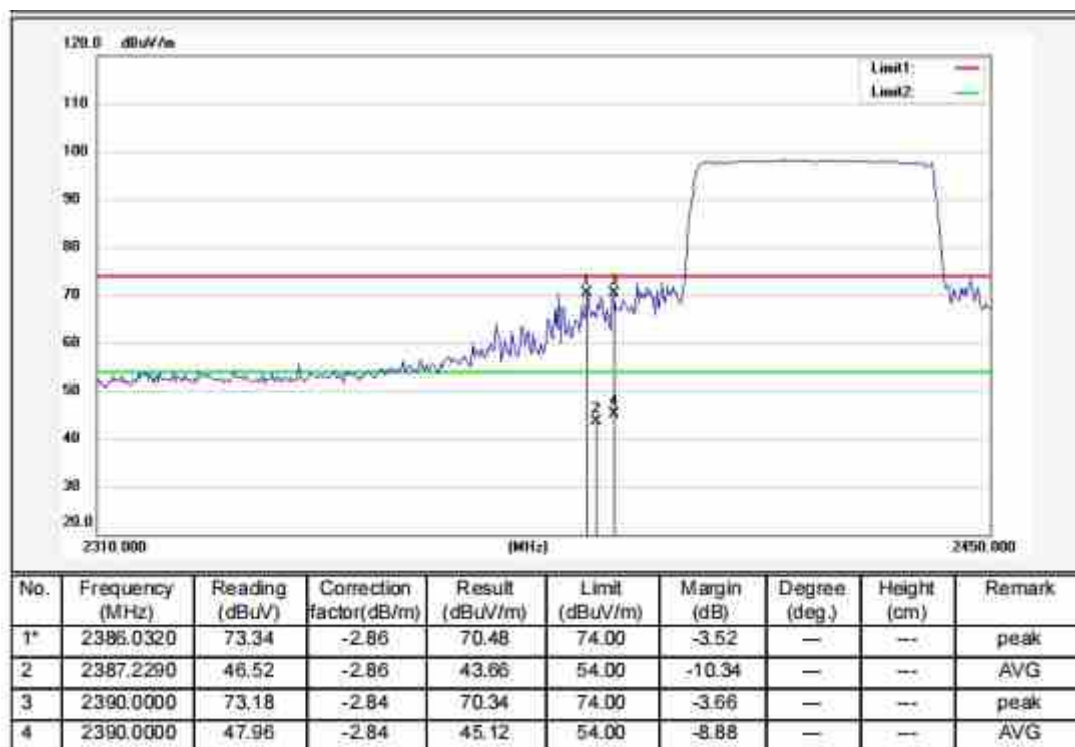


High Channel V

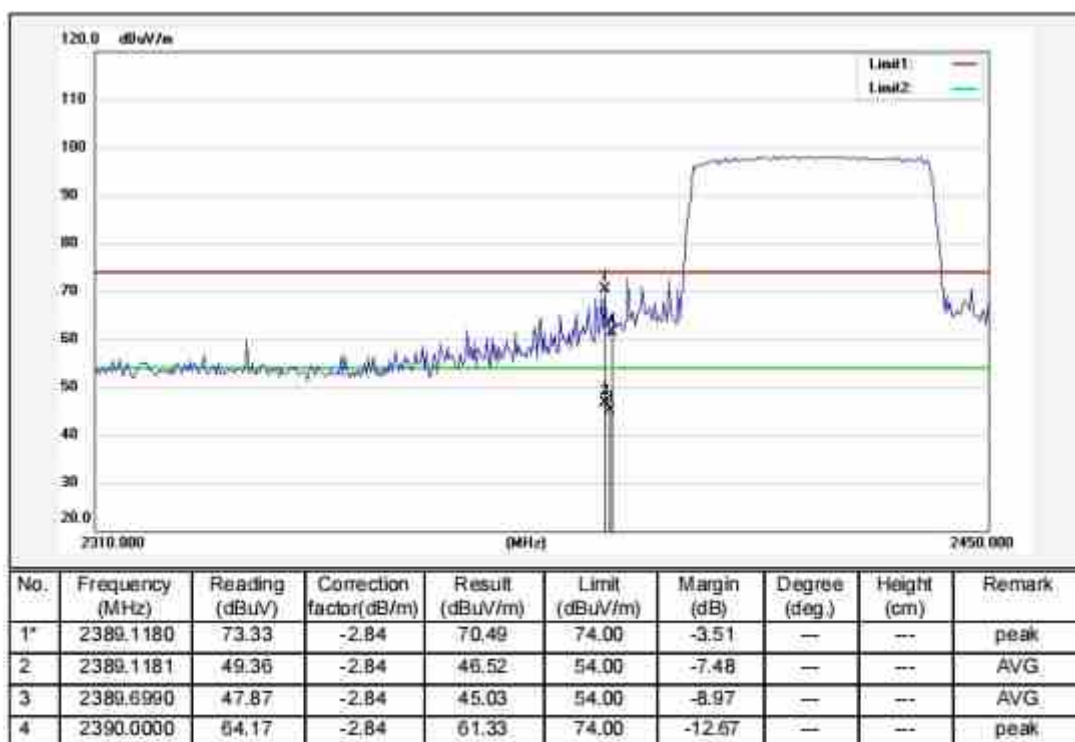


Wi-Fi 802.11 ax(HE40) mode, MCS0

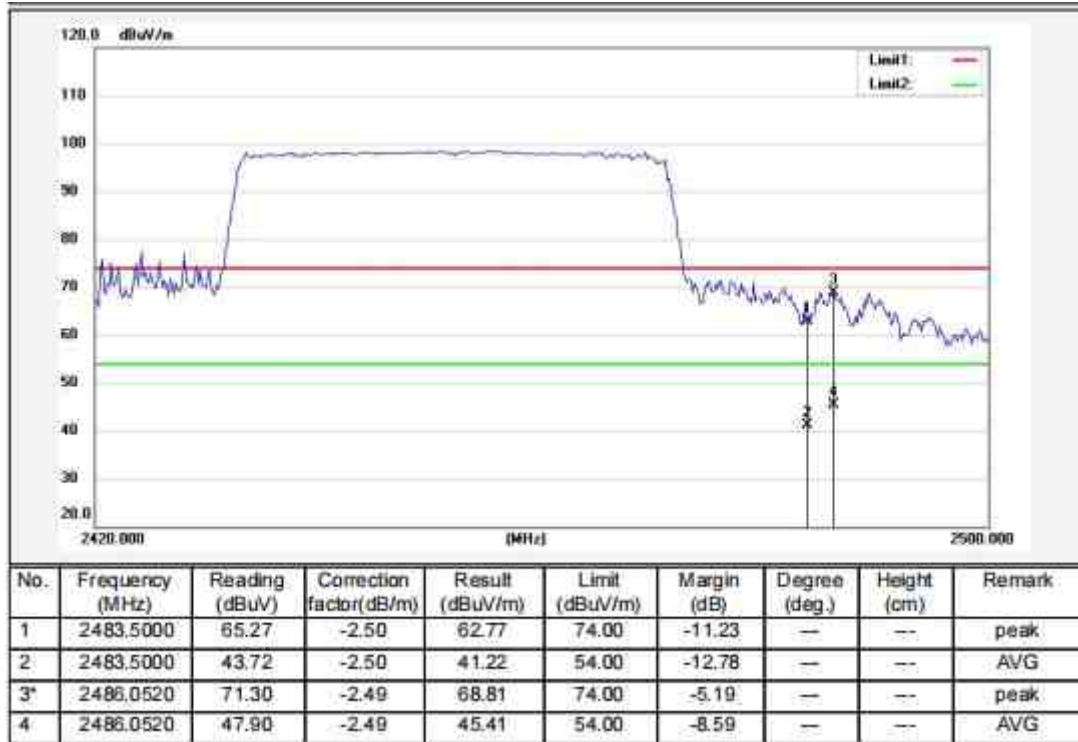
Low Channel H



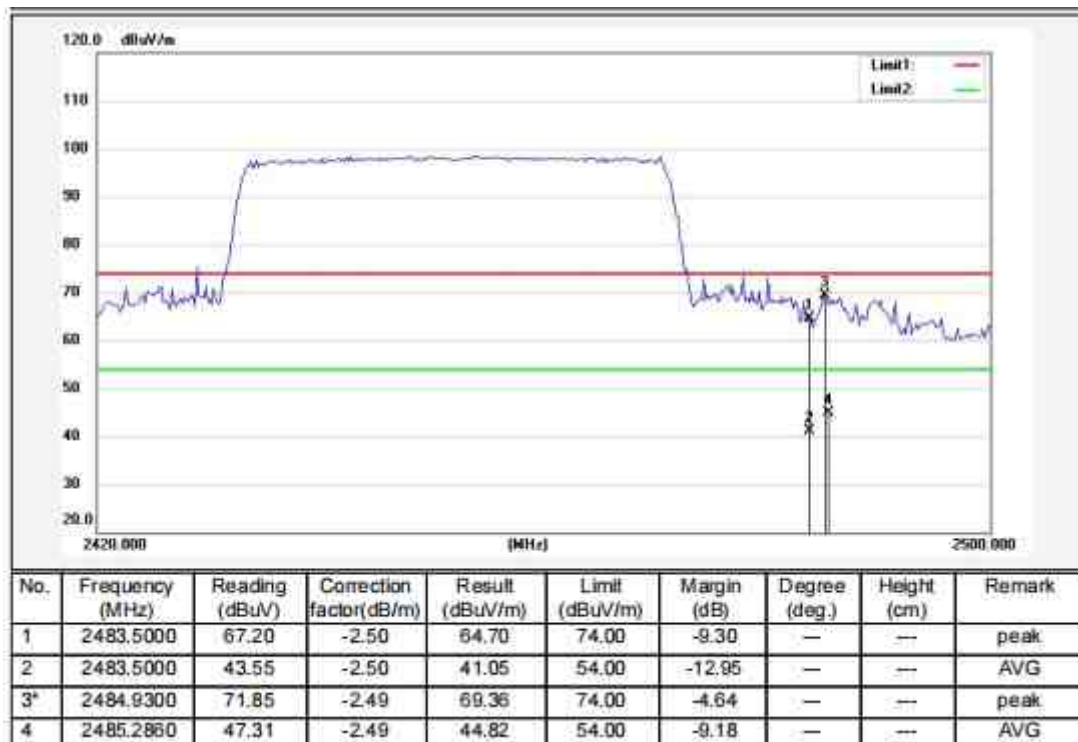
Low Channel V



High Channel H



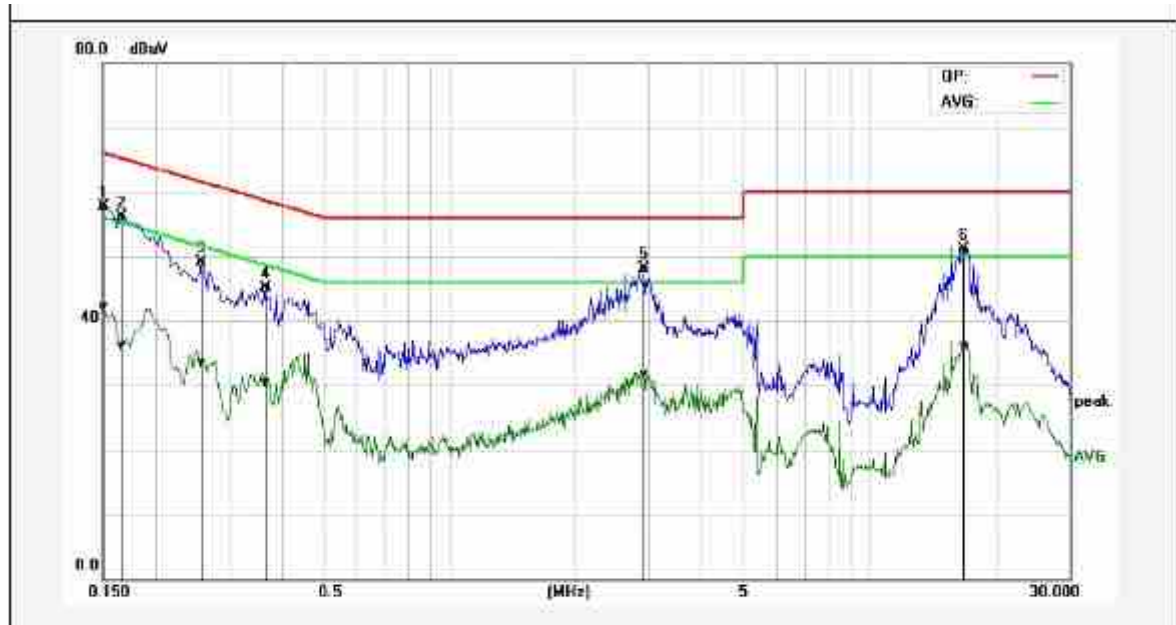
High Channel V



Appendix B.7: Test Results of Conducted Emission on AC Mains

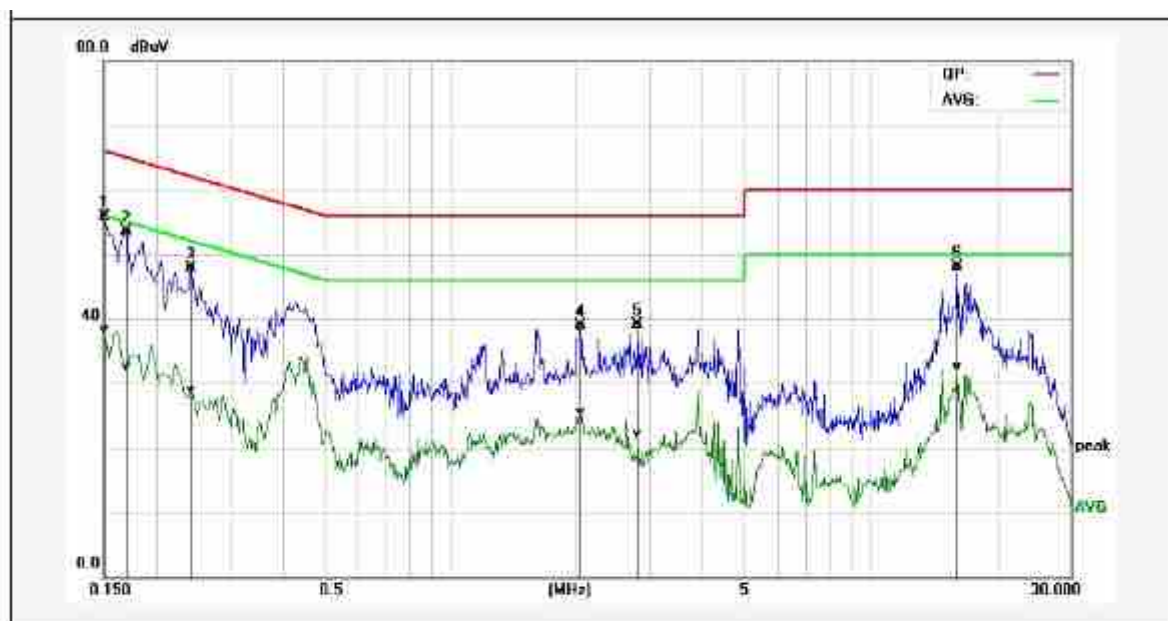
working mode

L



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1P	0.1516	47.72	32.18	9.89	57.61	42.07	65.91	55.91	-8.30	-13.84	Pass
2P	0.1660	46.34	26.23	9.80	56.14	36.03	65.15	55.16	-9.01	-19.13	Pass
3P	0.2580	39.44	23.85	9.59	49.03	33.44	61.49	51.50	-12.46	-18.06	Pass
4P	0.3600	35.56	20.77	9.55	45.11	30.32	58.59	48.59	-13.48	-18.27	Pass
5*	2.9460	38.55	22.12	9.63	48.18	31.75	56.00	46.00	-7.82	-14.25	Pass
6P	16.7939	41.11	26.01	10.04	51.15	36.05	60.00	50.00	-8.85	-13.95	Pass

N



No.	Frequency (MHz)	QuasiPeak reading (dBuV)	Average reading (dBuV)	Correction factor (dB)	QuasiPeak result (dBuV)	Average result (dBuV)	QuasiPeak limit (dBuV)	Average limit (dBuV)	QuasiPeak margin (dB)	Average margin (dB)	Remark
1*	0.1500	46.35	28.78	9.60	55.95	38.38	65.99	56.00	-10.04	-17.62	Pass
2P	0.1700	43.96	22.94	9.60	53.56	32.54	64.96	54.96	-11.40	-22.42	Pass
3P	0.2420	38.32	19.36	9.59	47.91	28.95	62.02	52.03	-14.11	-23.08	Pass
4P	2.0579	29.20	15.92	9.62	38.82	25.54	56.00	46.00	-17.18	-20.46	Pass
5P	2.8140	29.39	12.49	9.68	39.07	22.17	56.00	46.00	-16.93	-23.83	Pass
6P	16.0820	38.15	22.41	10.01	48.16	32.42	60.00	50.00	-11.84	-17.58	Pass