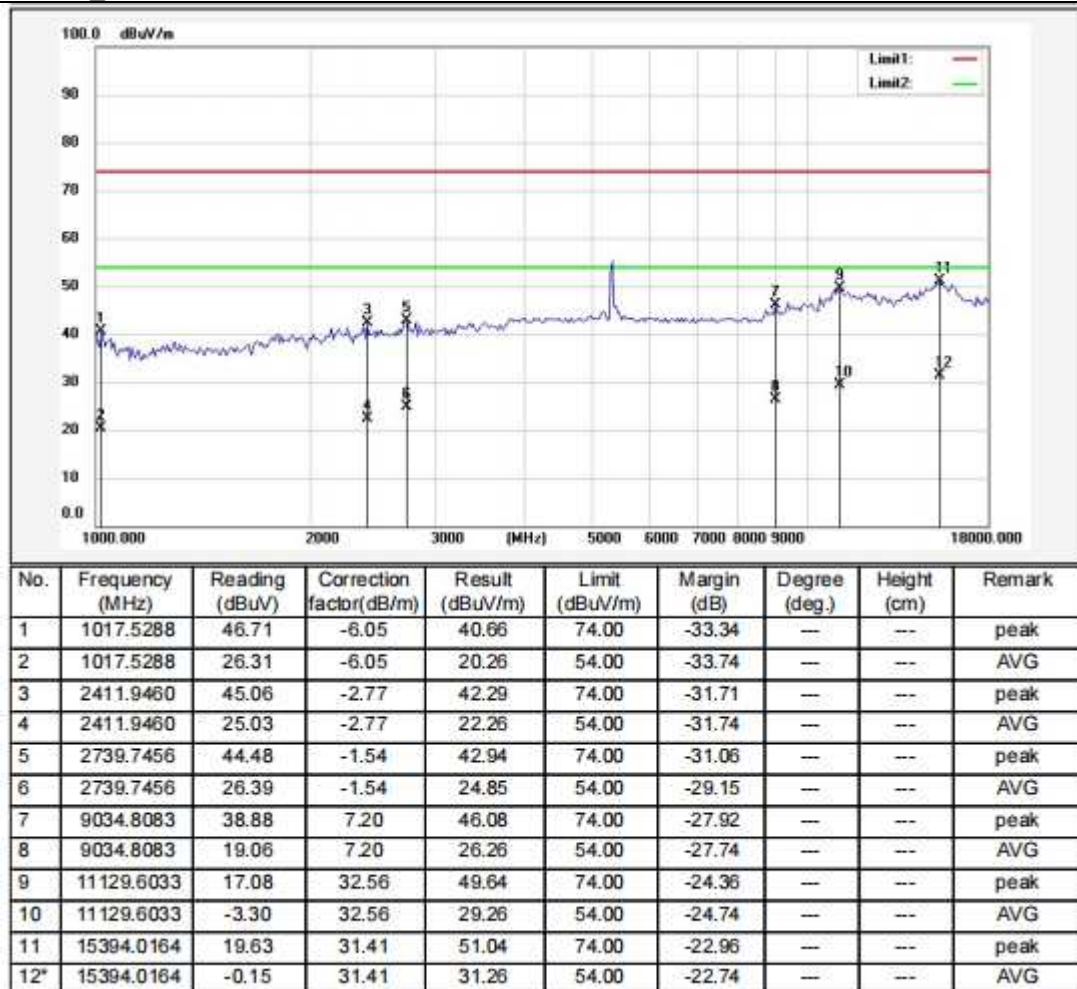
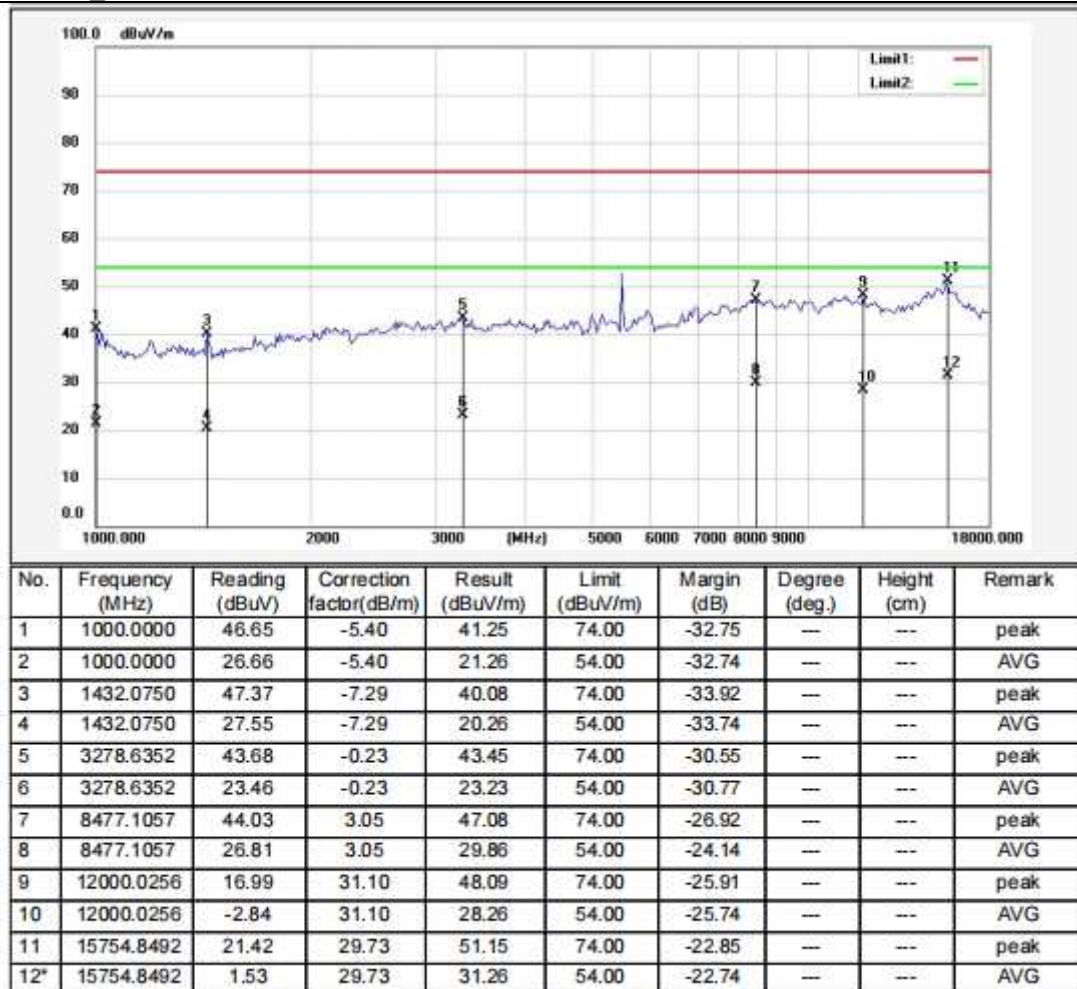


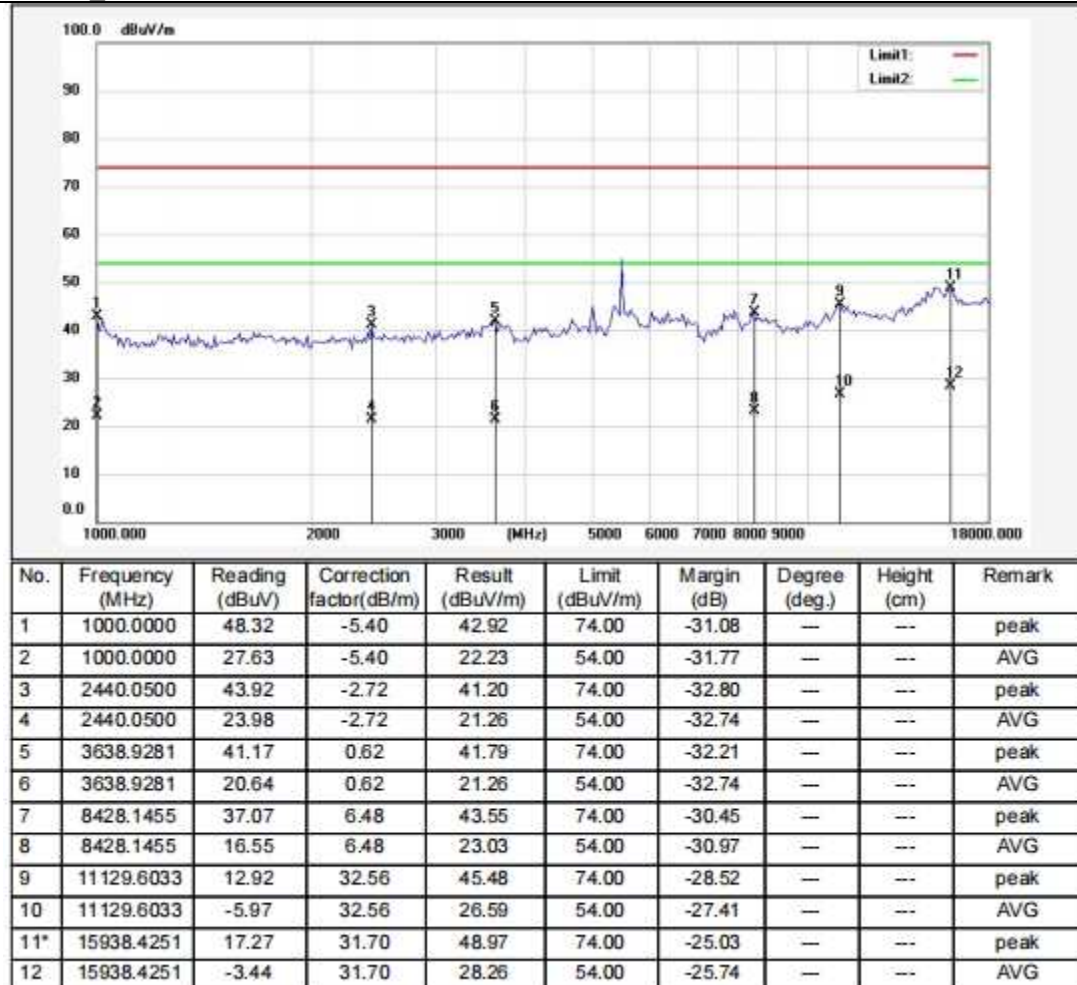
Wi-Fi 5G 11n20_5320MHz Vertical



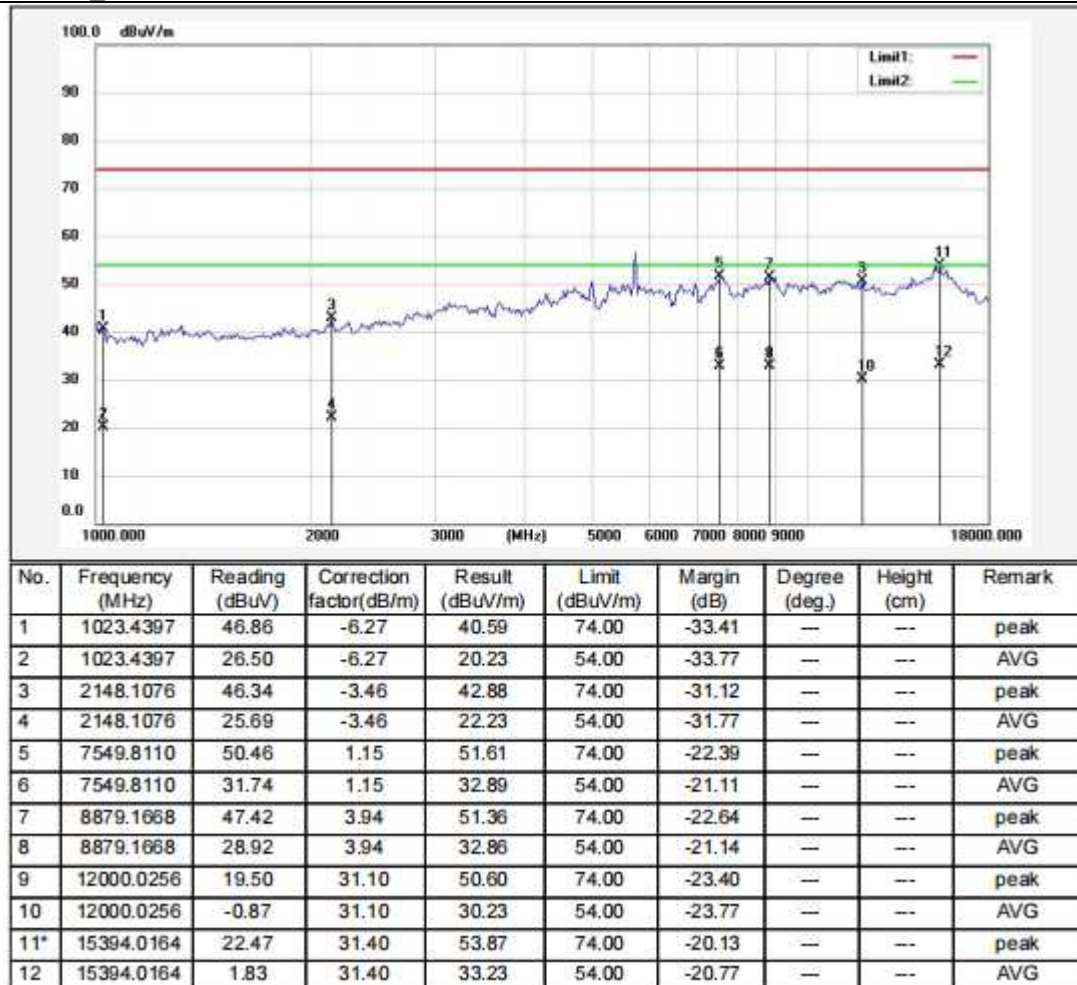
Wi-Fi 5G 11n20_5500MHz Horizontal



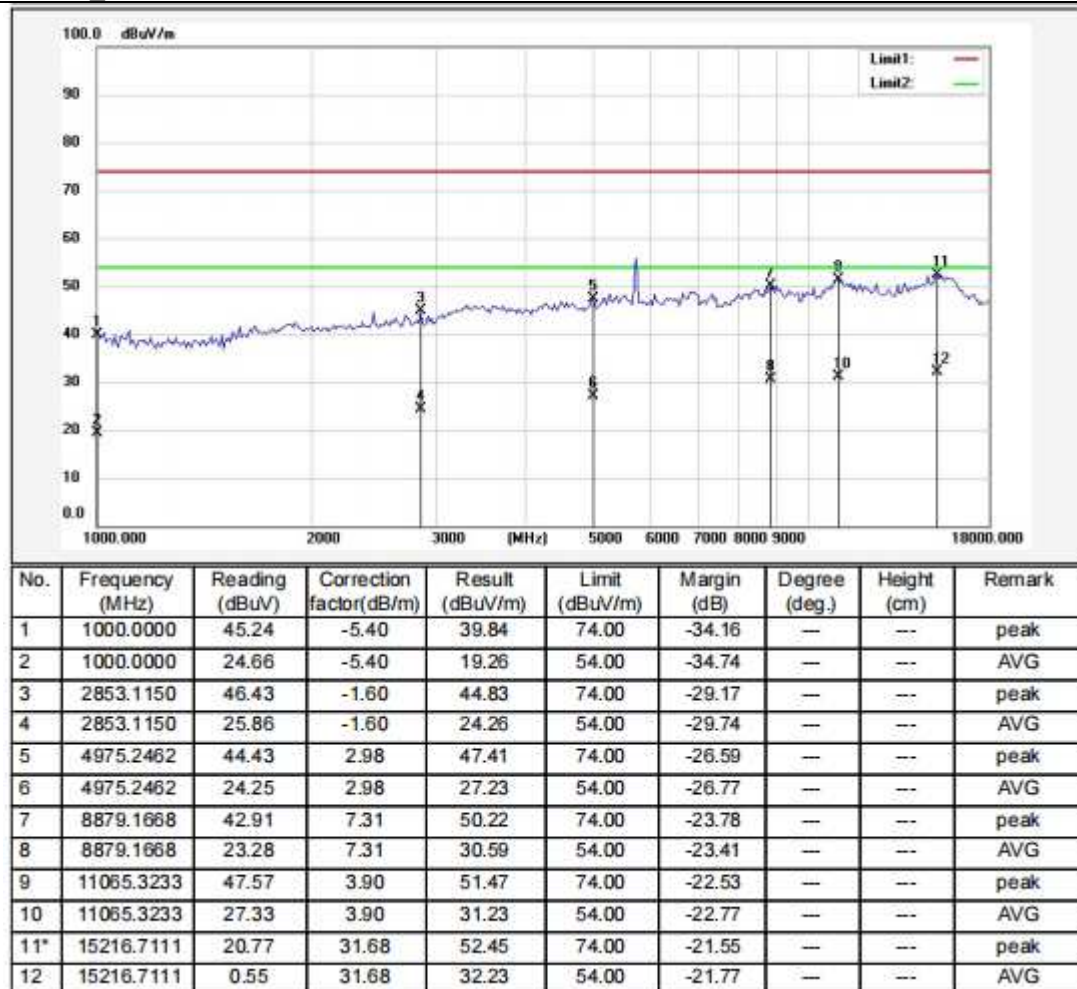
Wi-Fi 5G 11n20_5500MHz Vertical



Wi-Fi 5G 11n20_5745MHz Horizontal

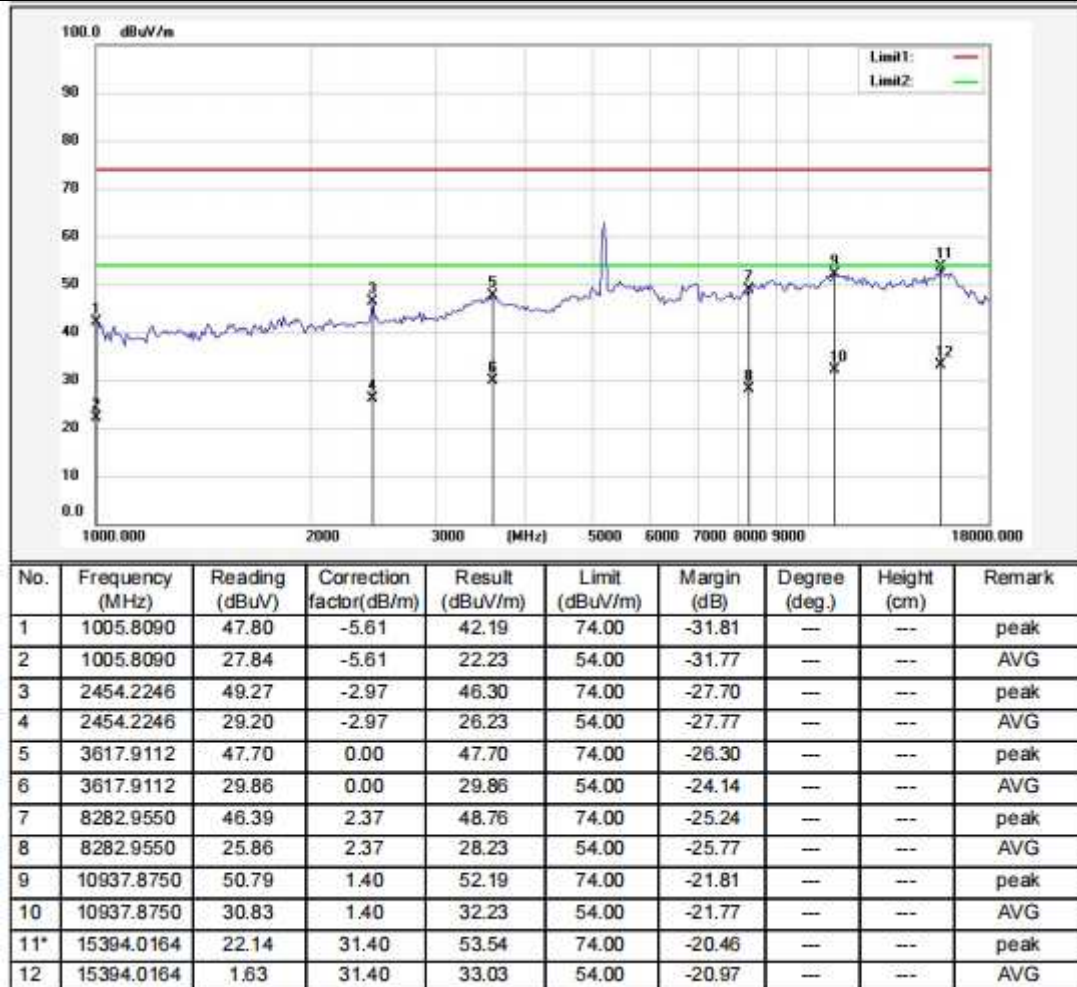


Wi-Fi 5G 11n20_5745MHz Vertical

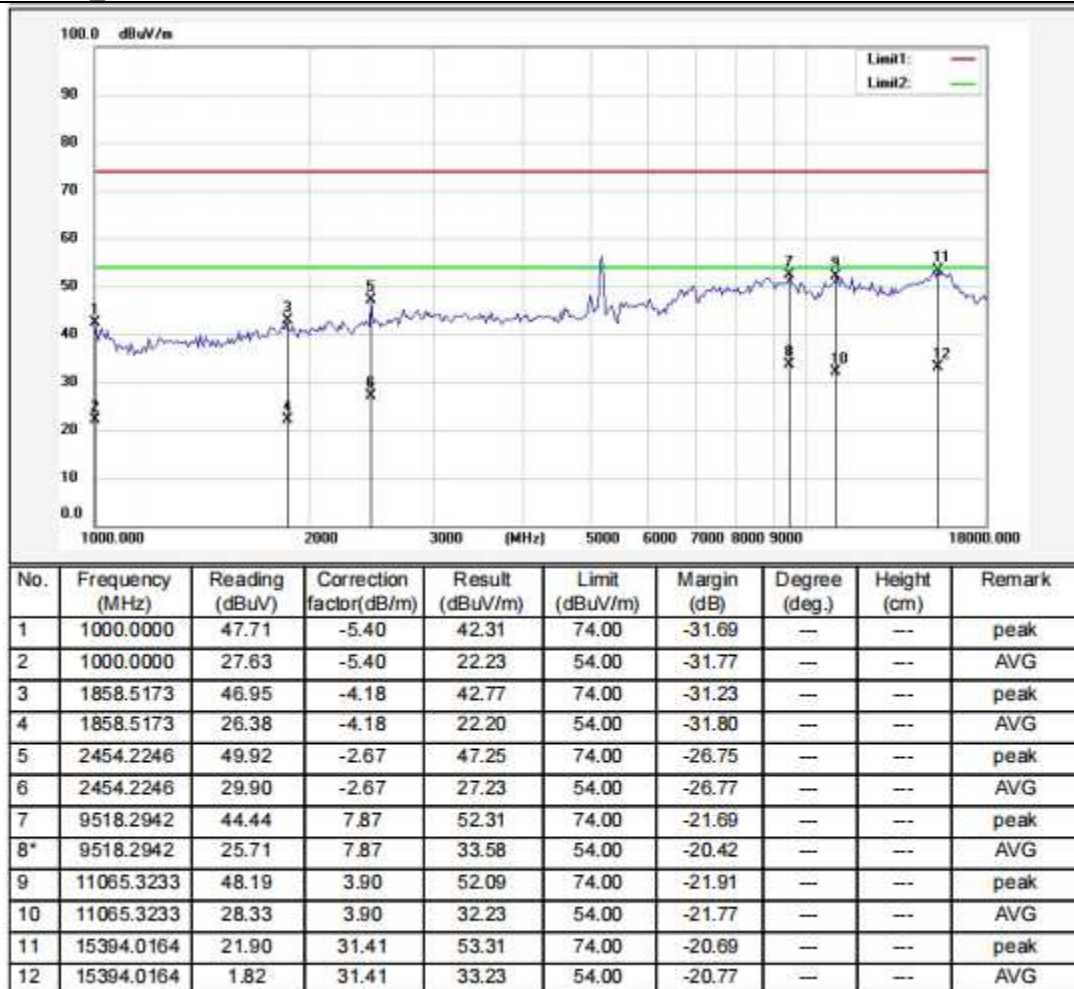


Wi-Fi 5G 802.11n40:

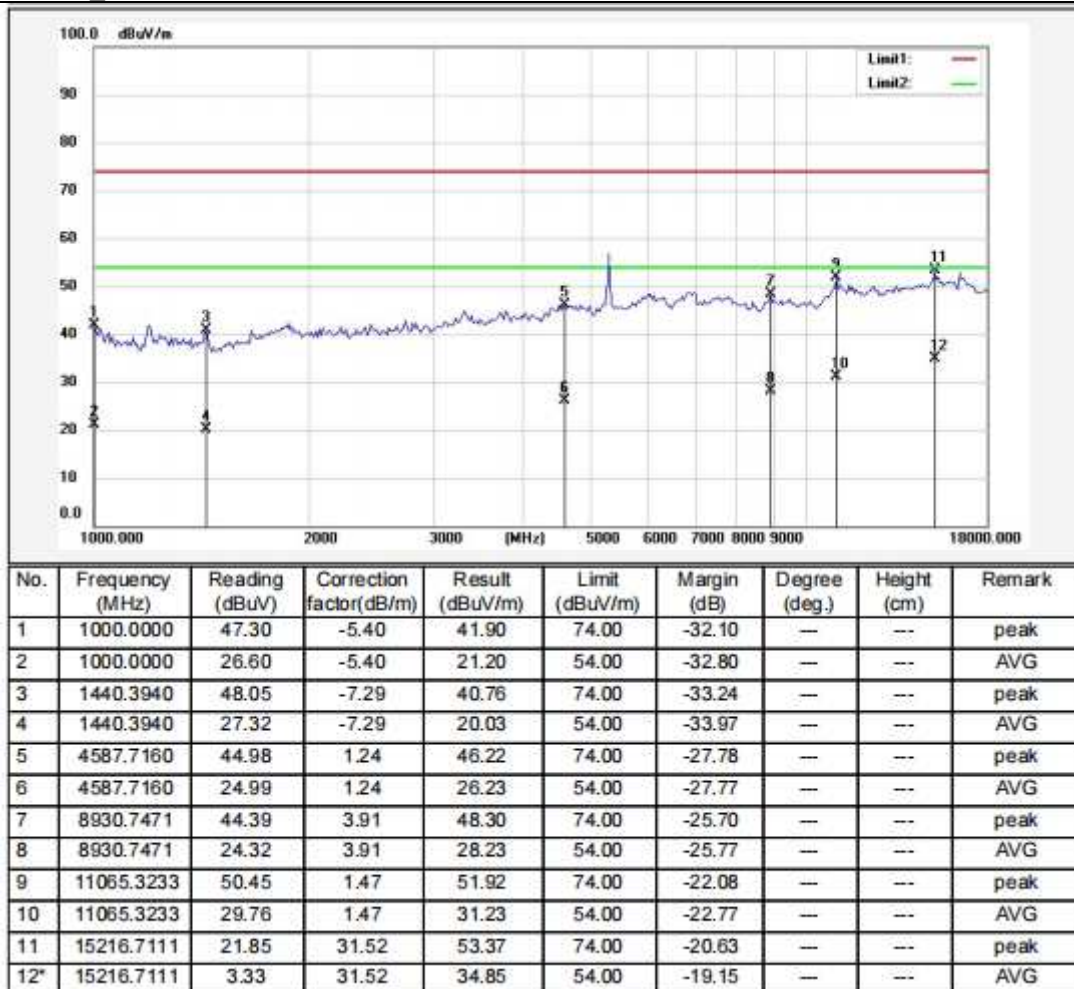
Wi-Fi 5G 11n40_5190MHz Horizontal



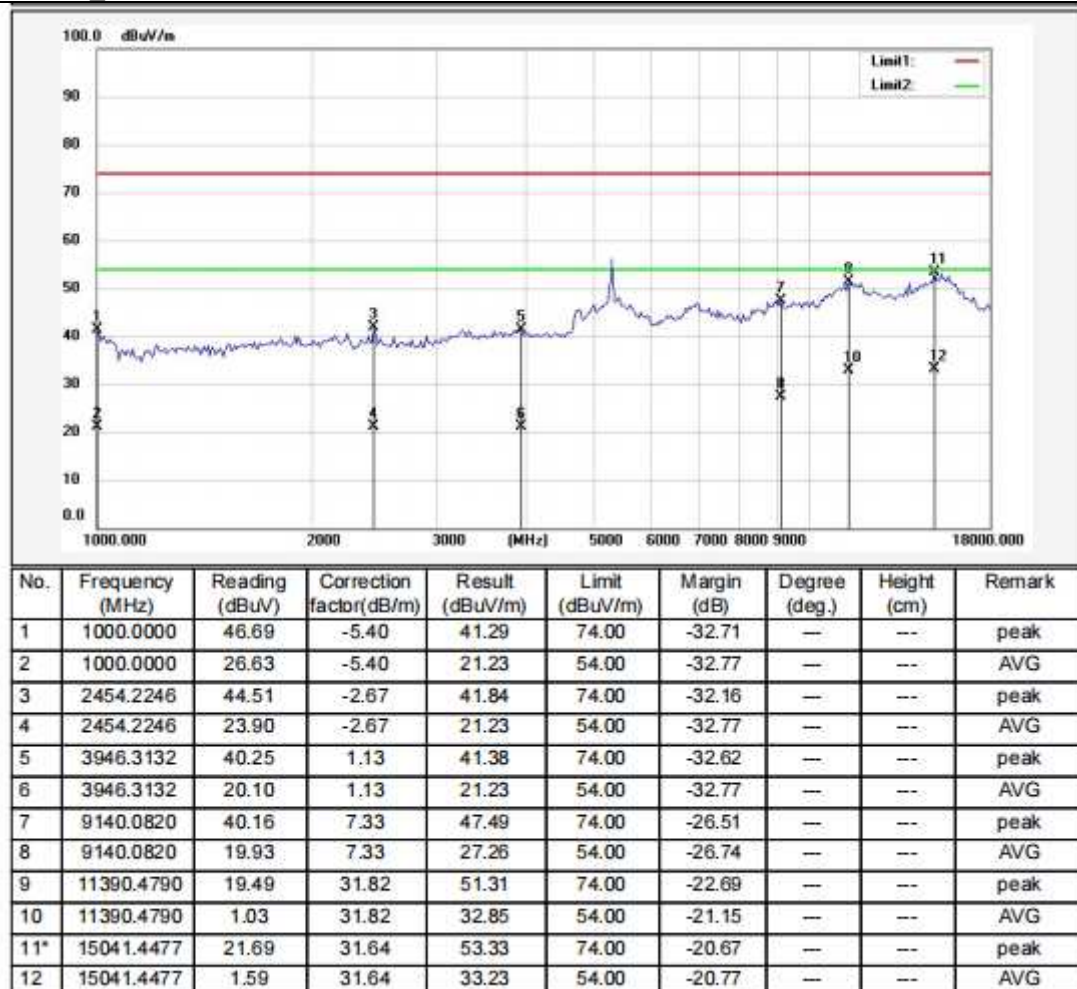
Wi-Fi 5G 11n40_5190MHz Vertical



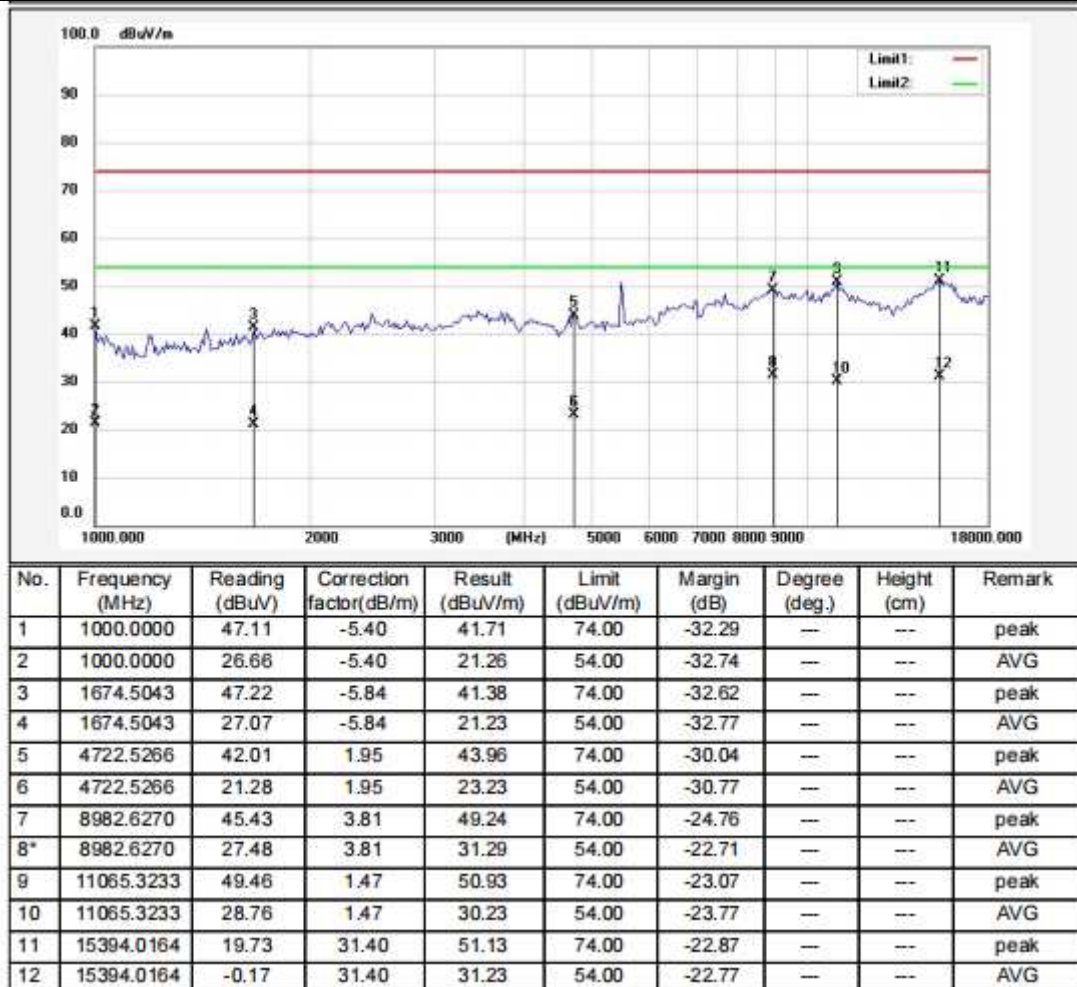
Wi-Fi 5G 11n40_5310MHz Horizontal



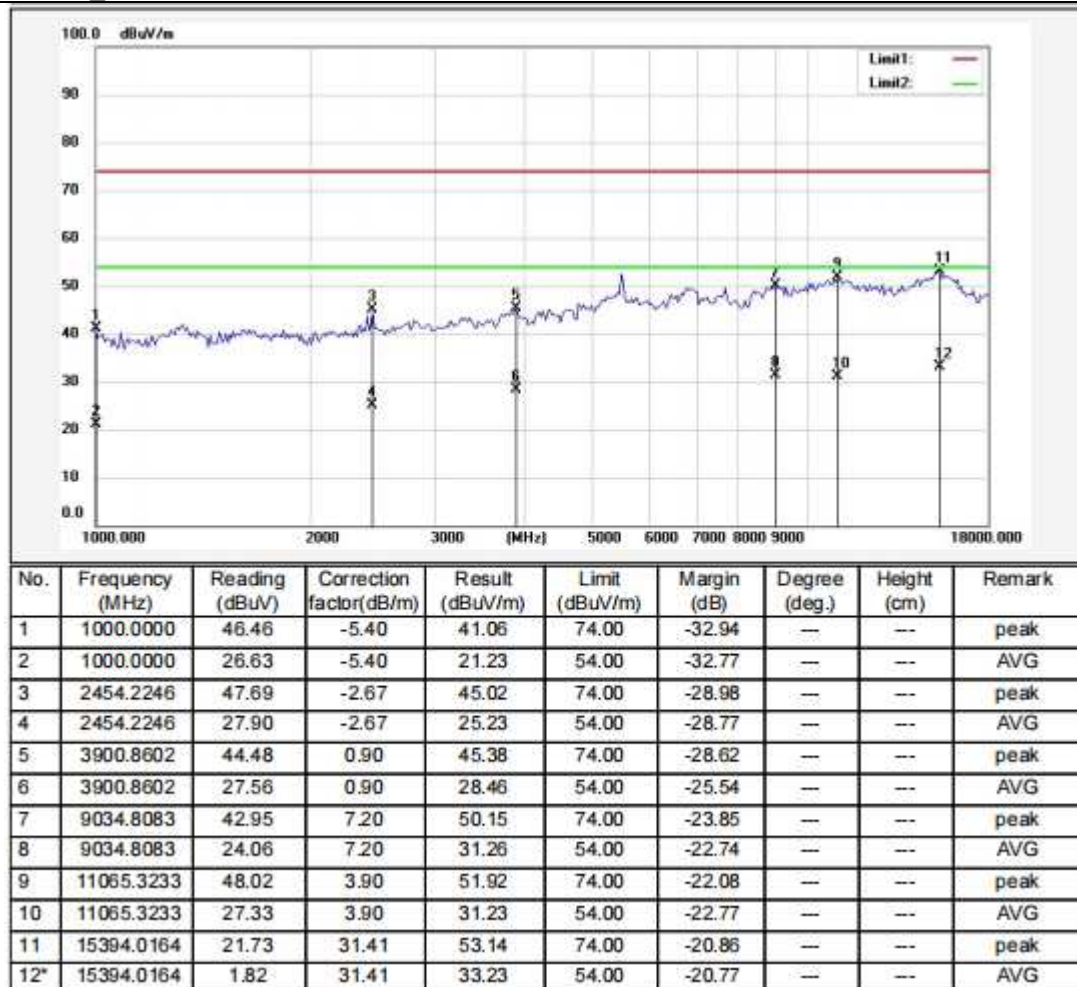
Wi-Fi 5G 11n40_5310MHz Vertical



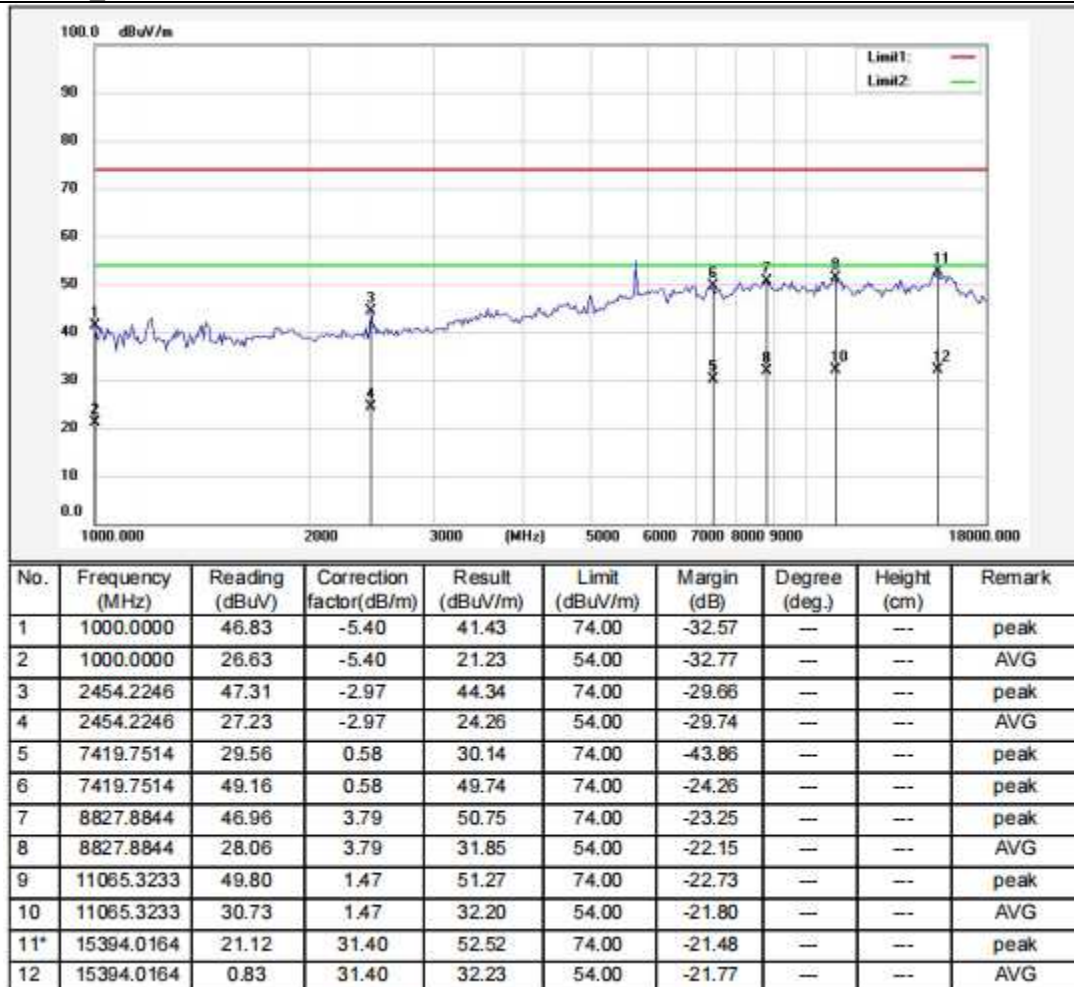
Wi-Fi 5G 11n40_5510MHz Horizontal



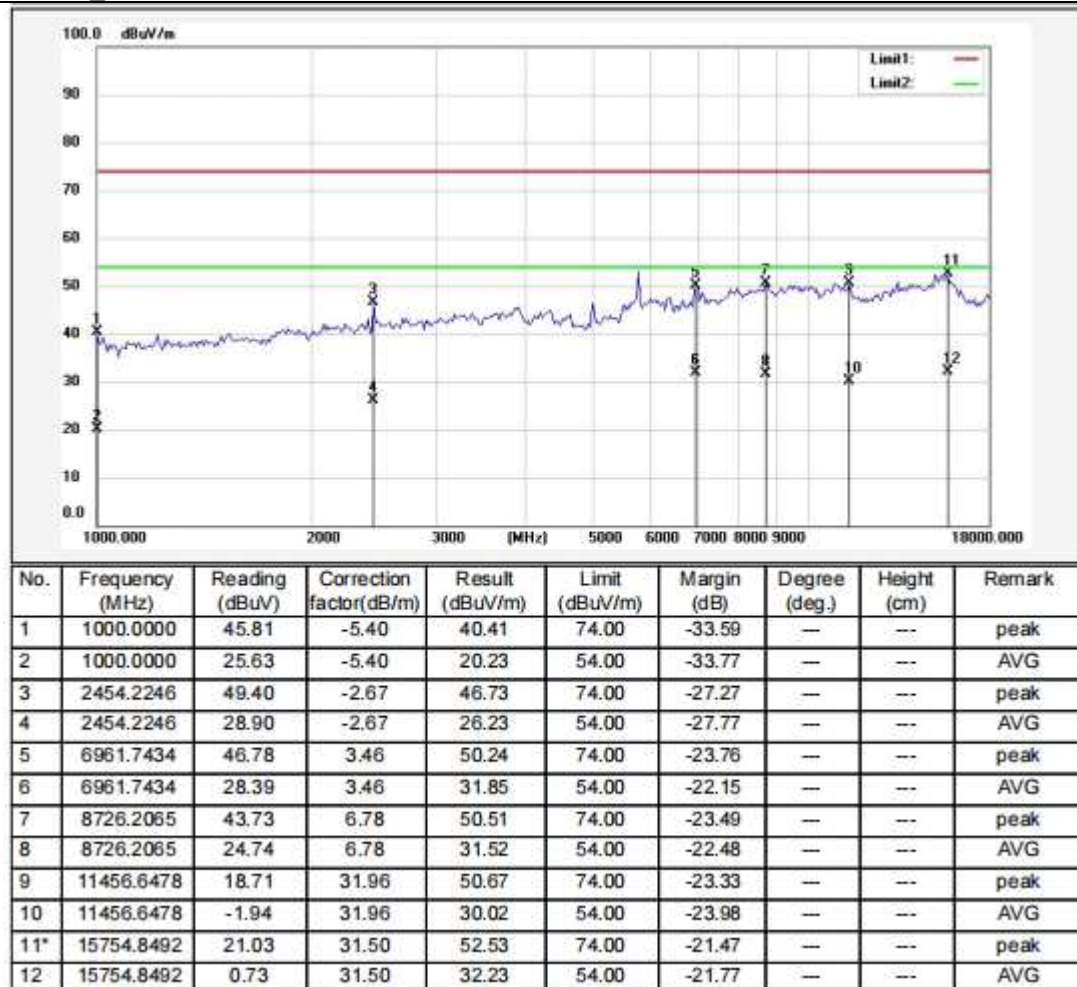
Wi-Fi 5G 11n40_5510MHz Vertical



Wi-Fi 5G 11n40_5755MHz Horizontal

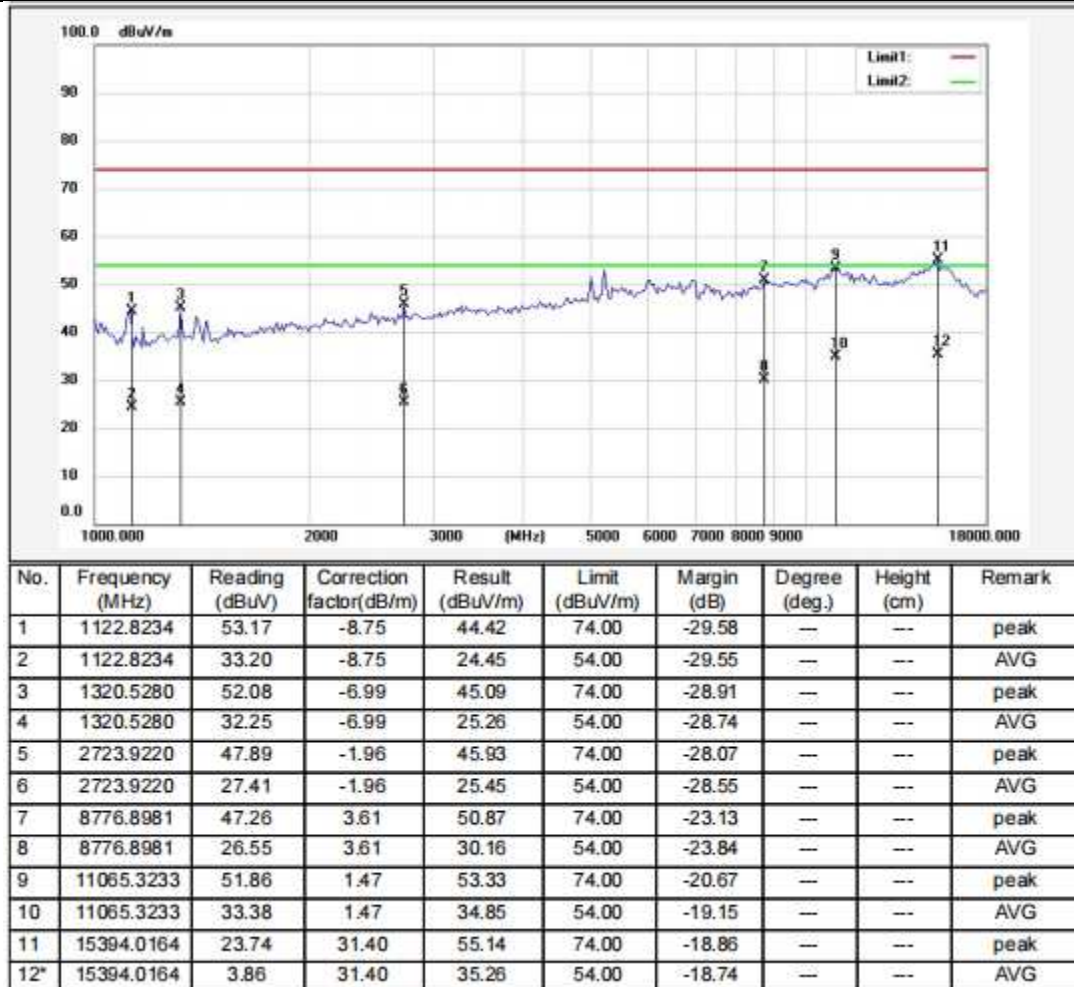


Wi-Fi 5G 11n40_5755MHz Vertical

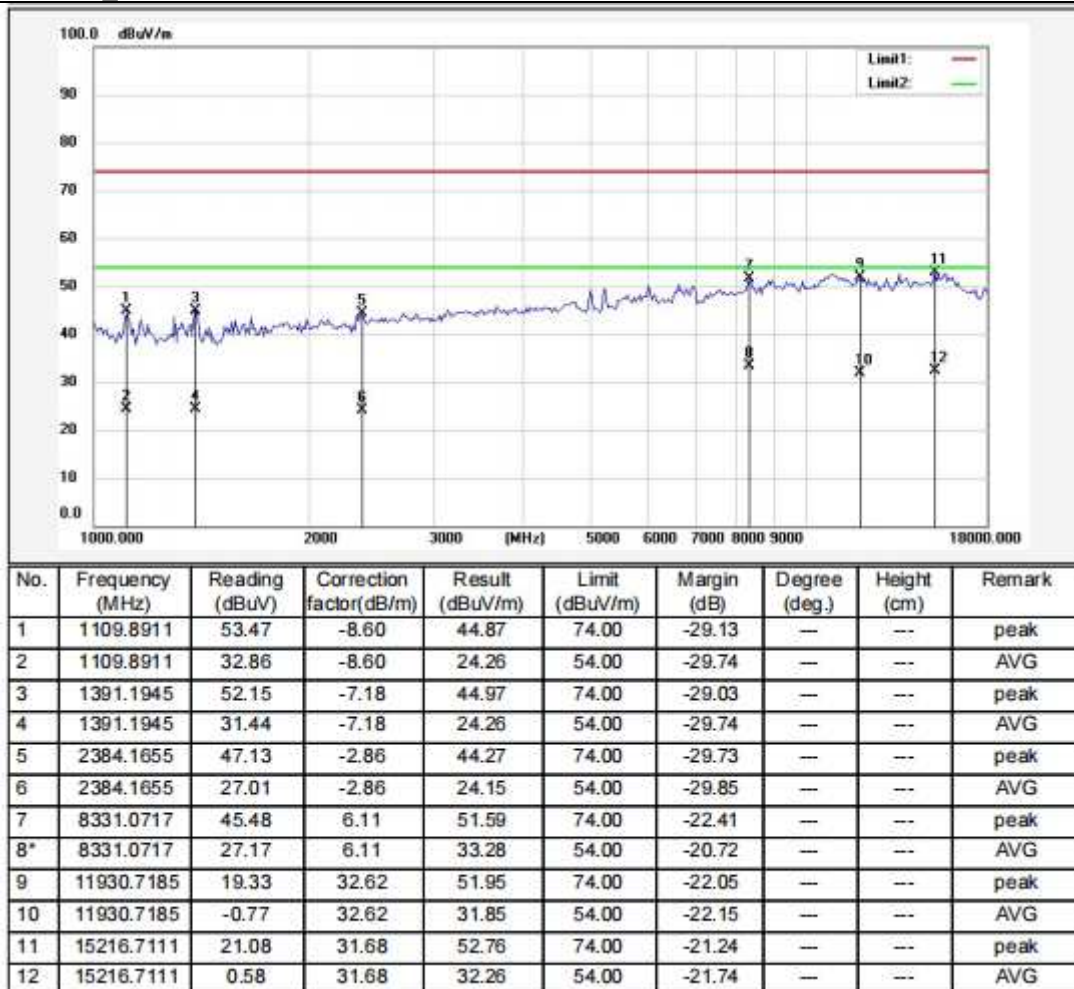


Wi-Fi 5G 802.11ac20:

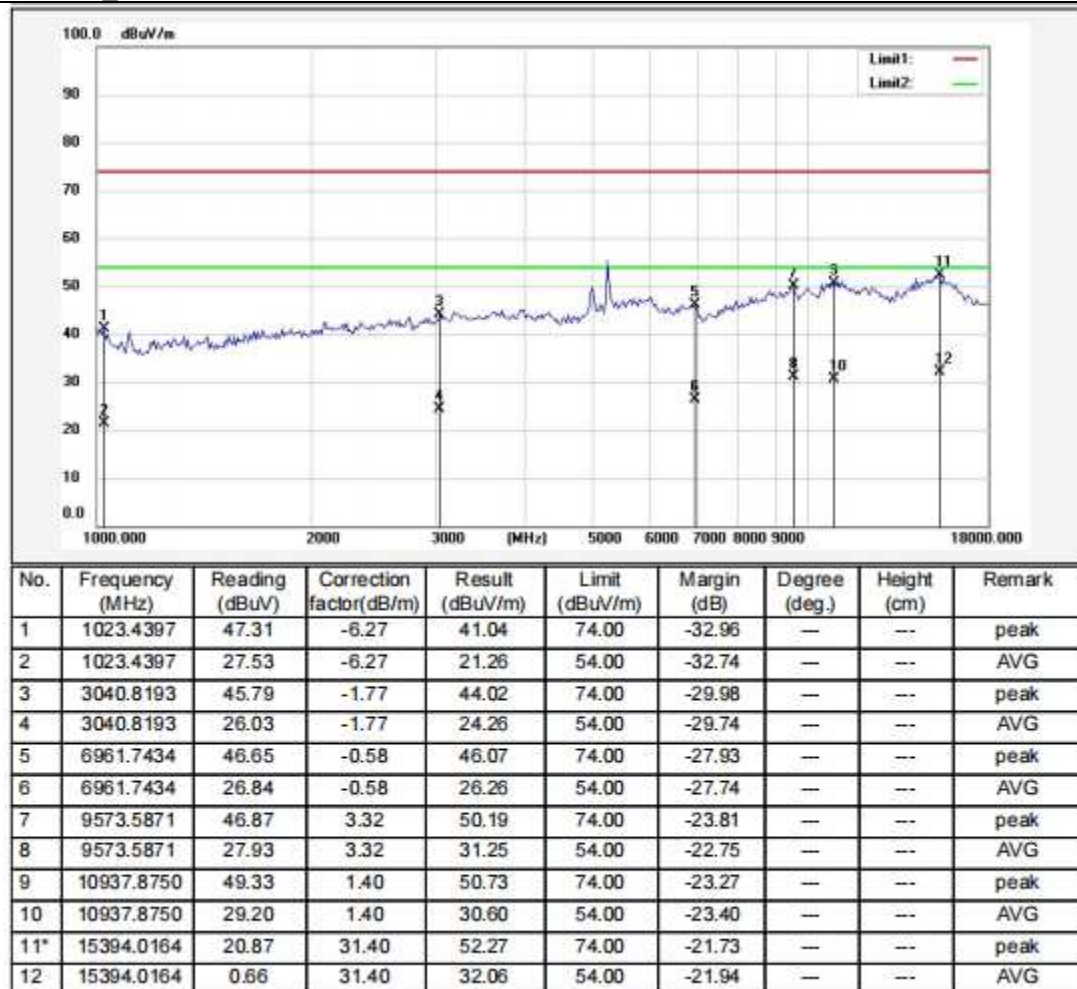
Wi-Fi 5G 11ac20_5240MHz Horizontal



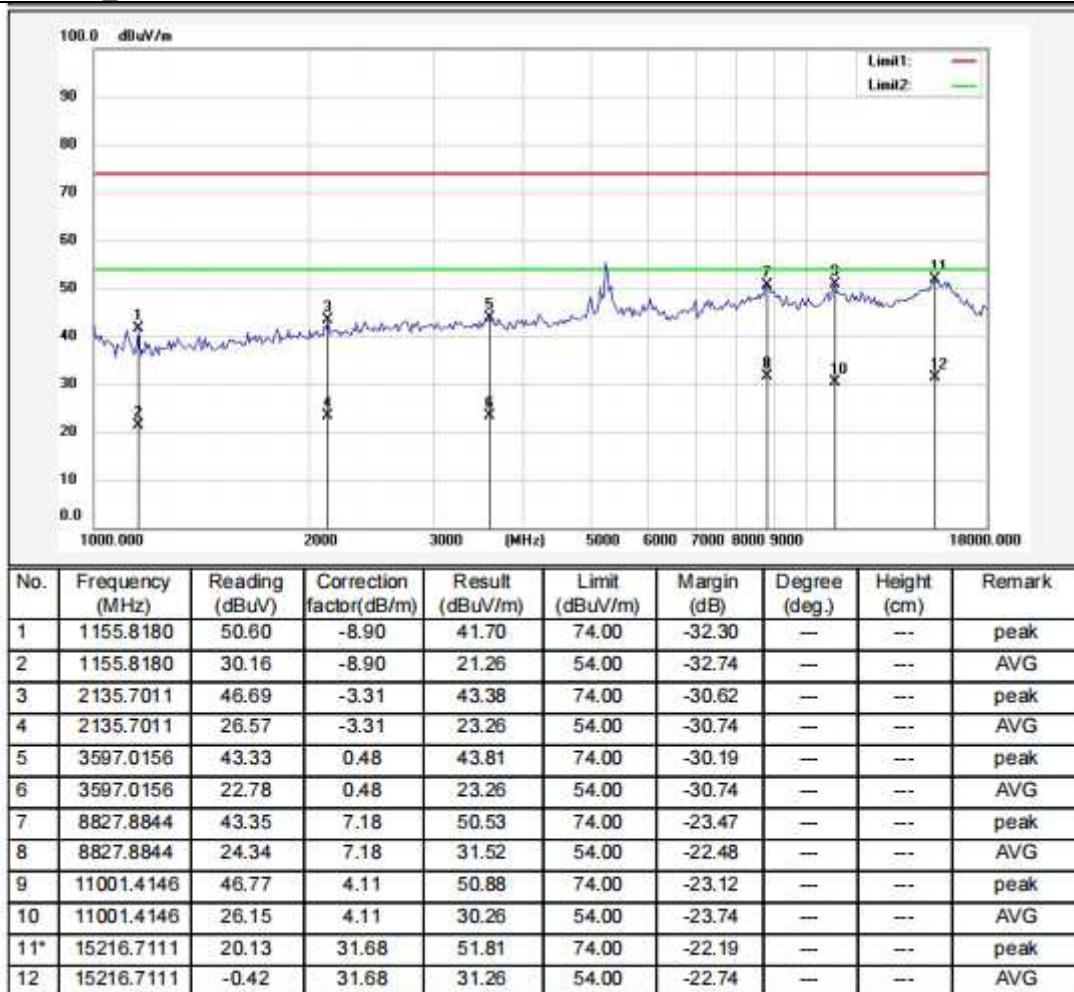
Wi-Fi 5G 11ac20_5240MHz Vertical



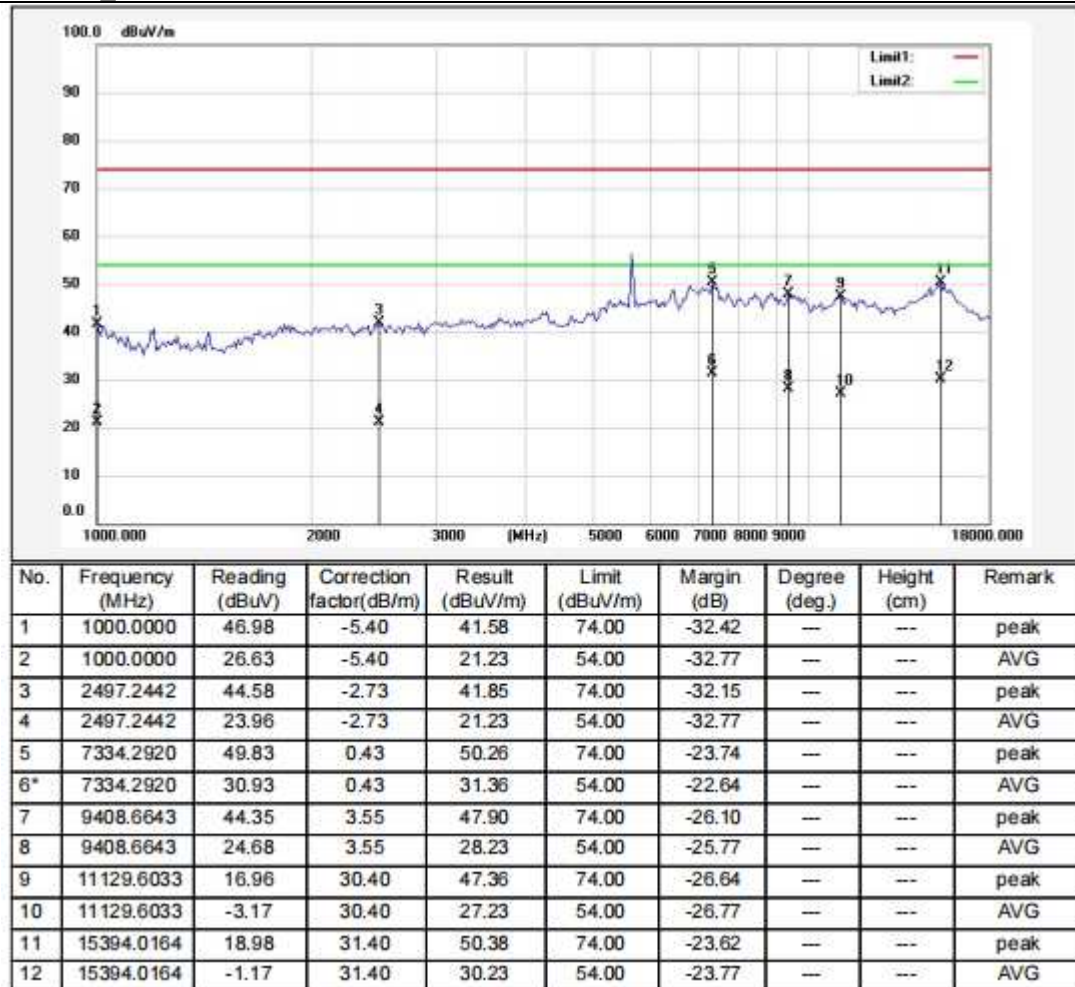
Wi-Fi 5G 11ac20_5260MHz Horizontal



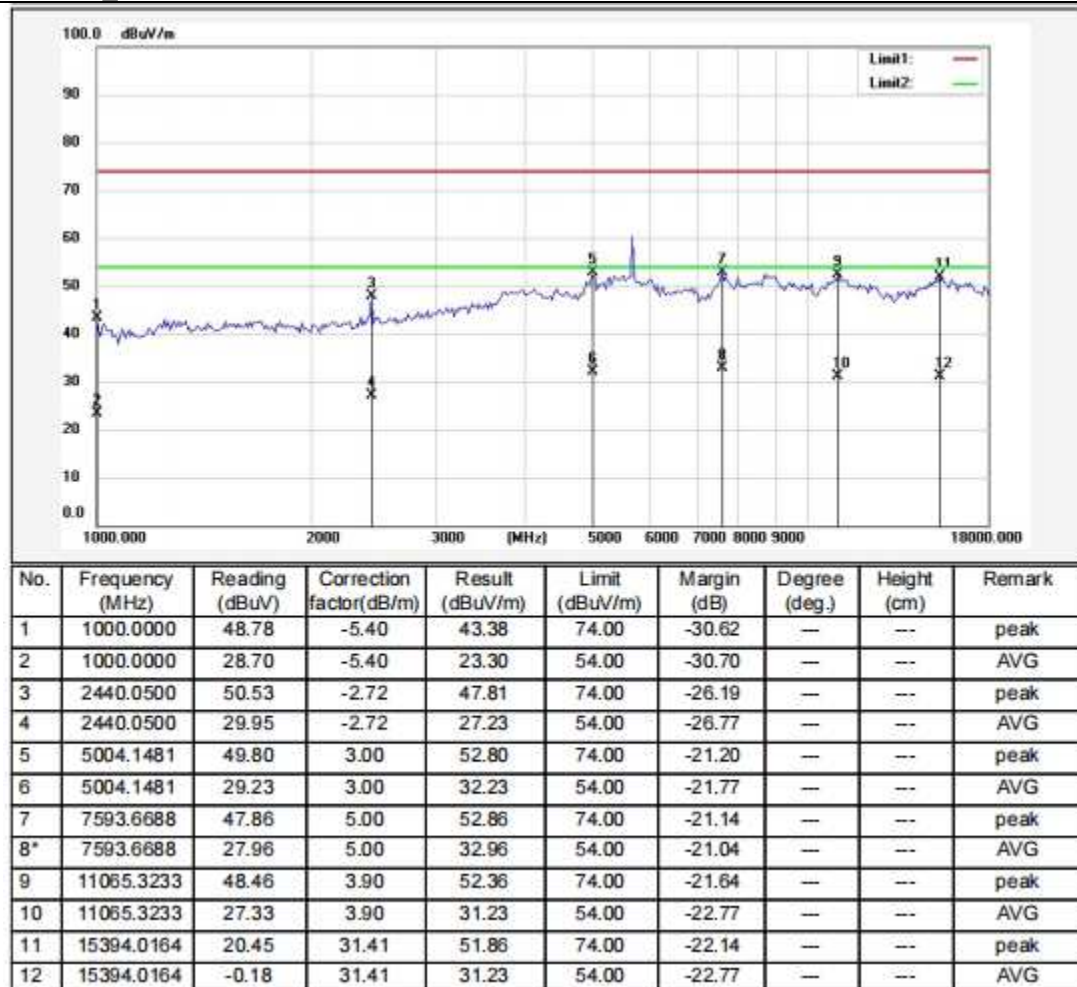
Wi-Fi 5G 11ac20_5260MHz Vertical



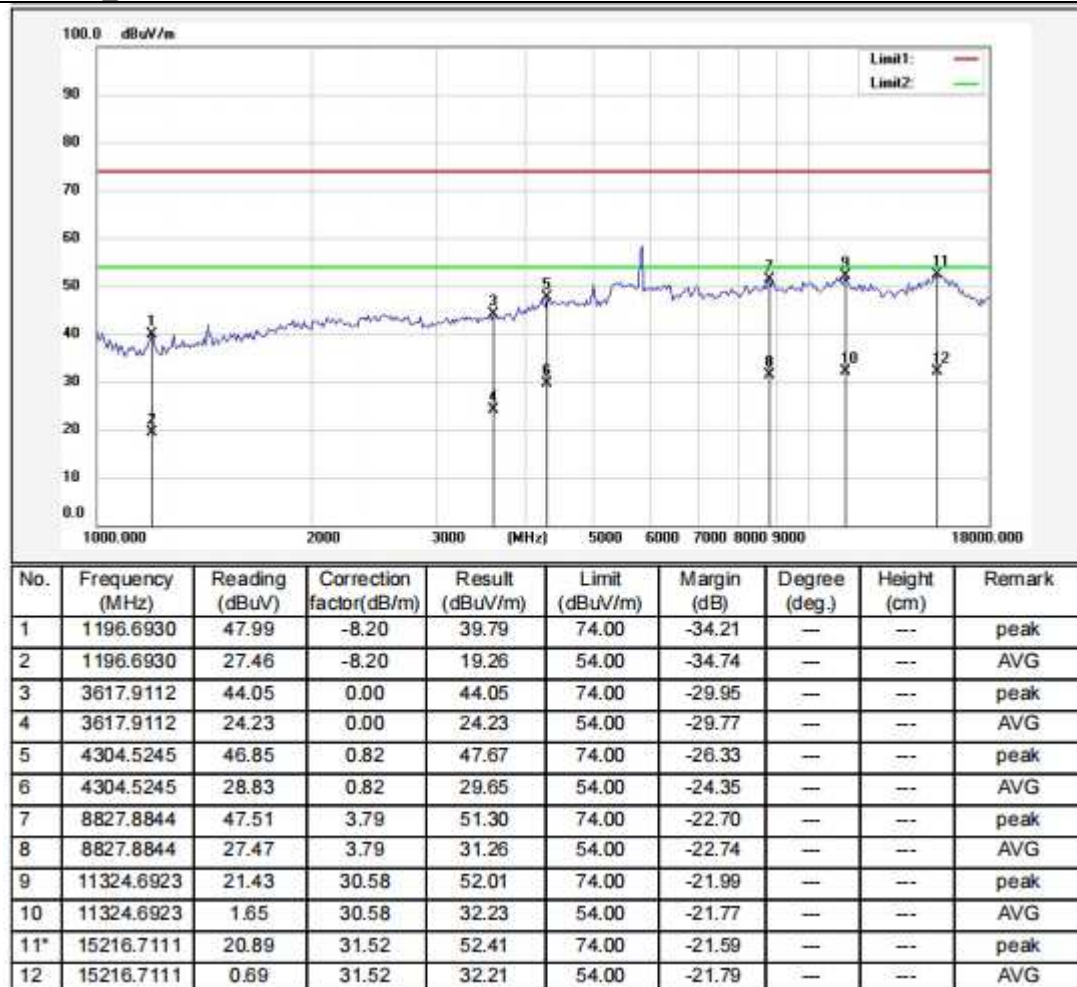
Wi-Fi 5G 11ac20_5700MHz Horizontal



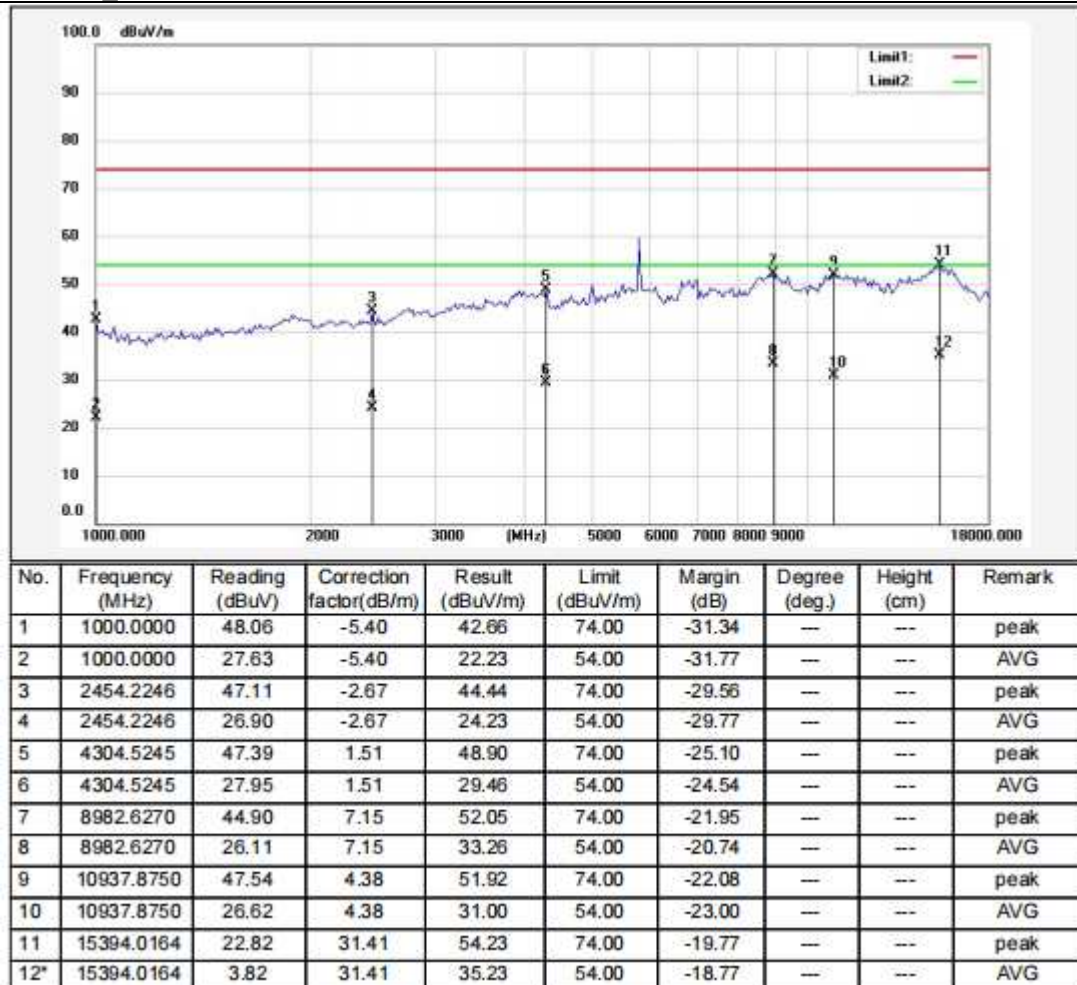
Wi-Fi 5G 11ac20_5700MHz Vertical



Wi-Fi 5G 11ac20_5825MHz Horizontal

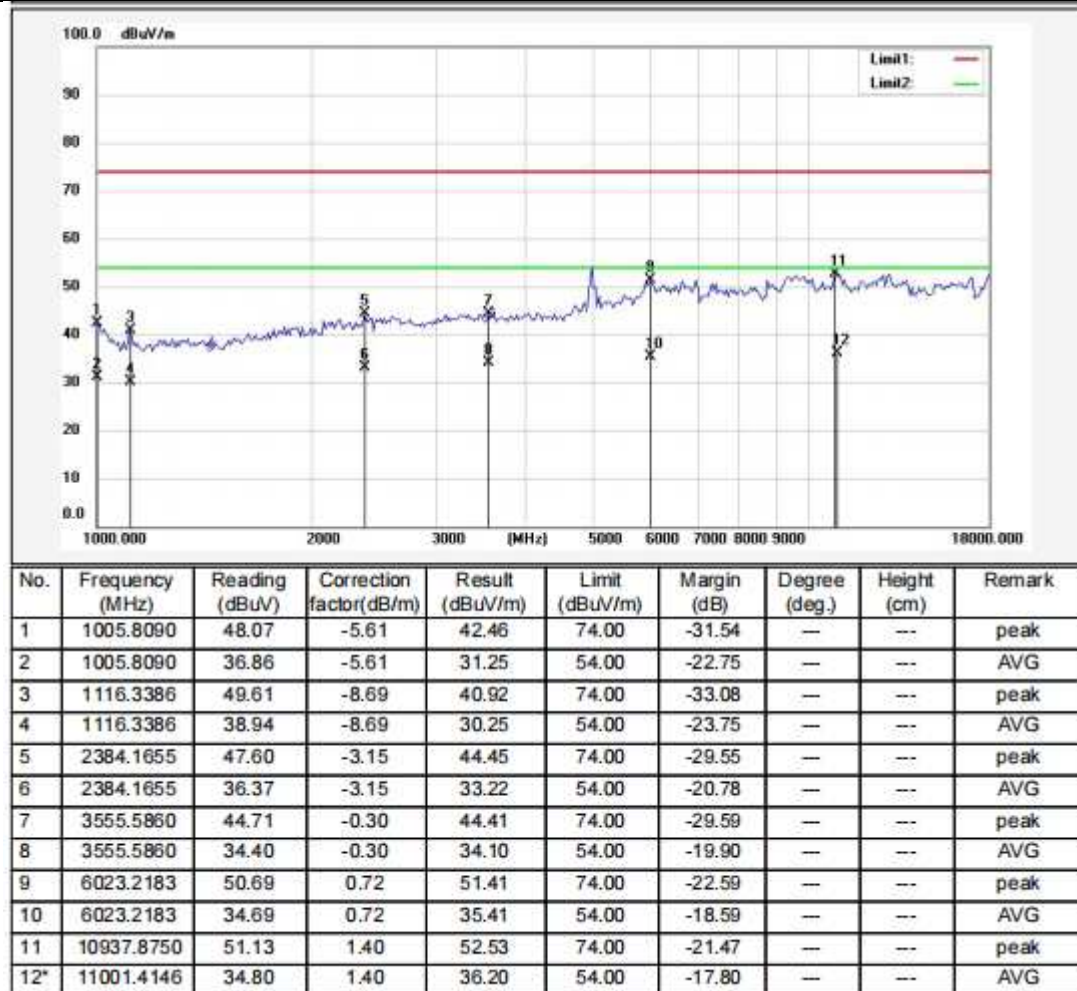


Wi-Fi 5G 11ac20_5825MHz Vertical

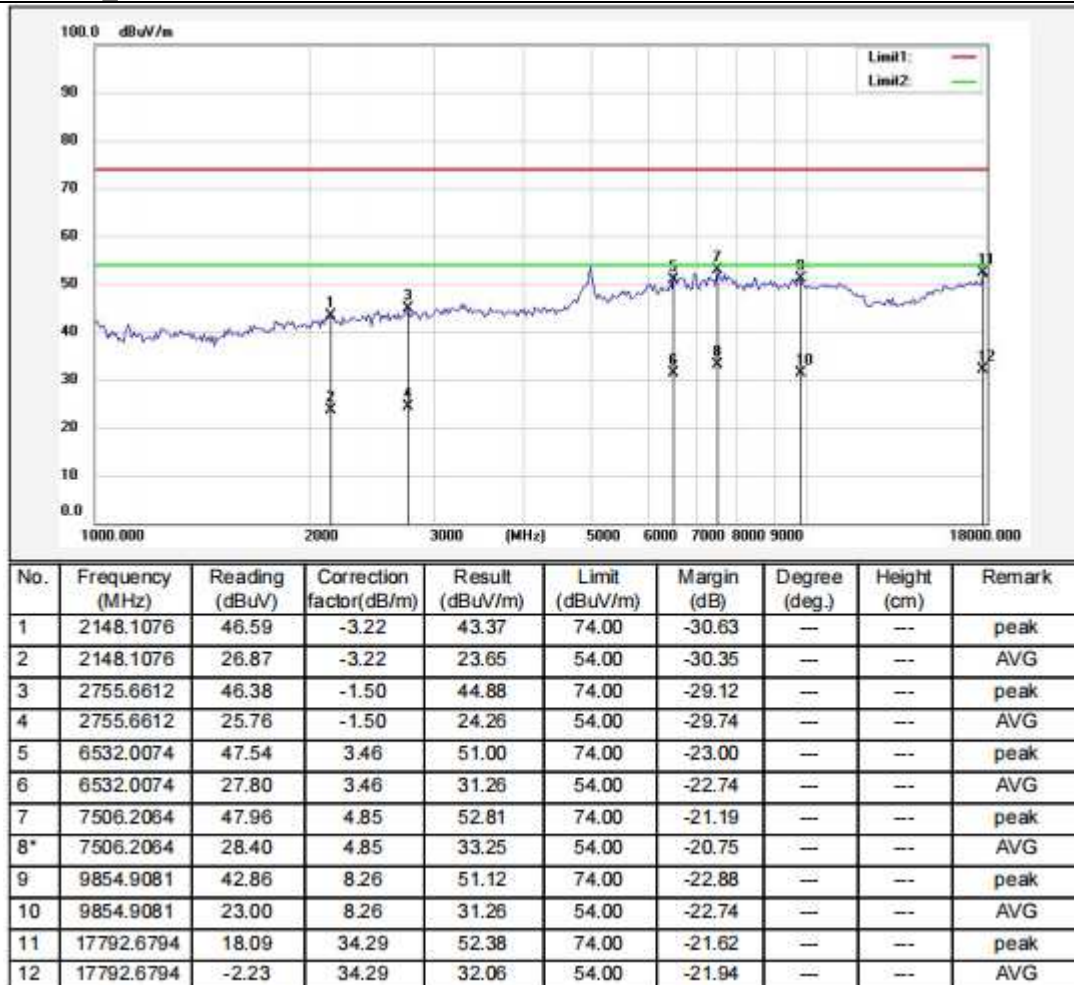


Wi-Fi 5G 802.11ac40:

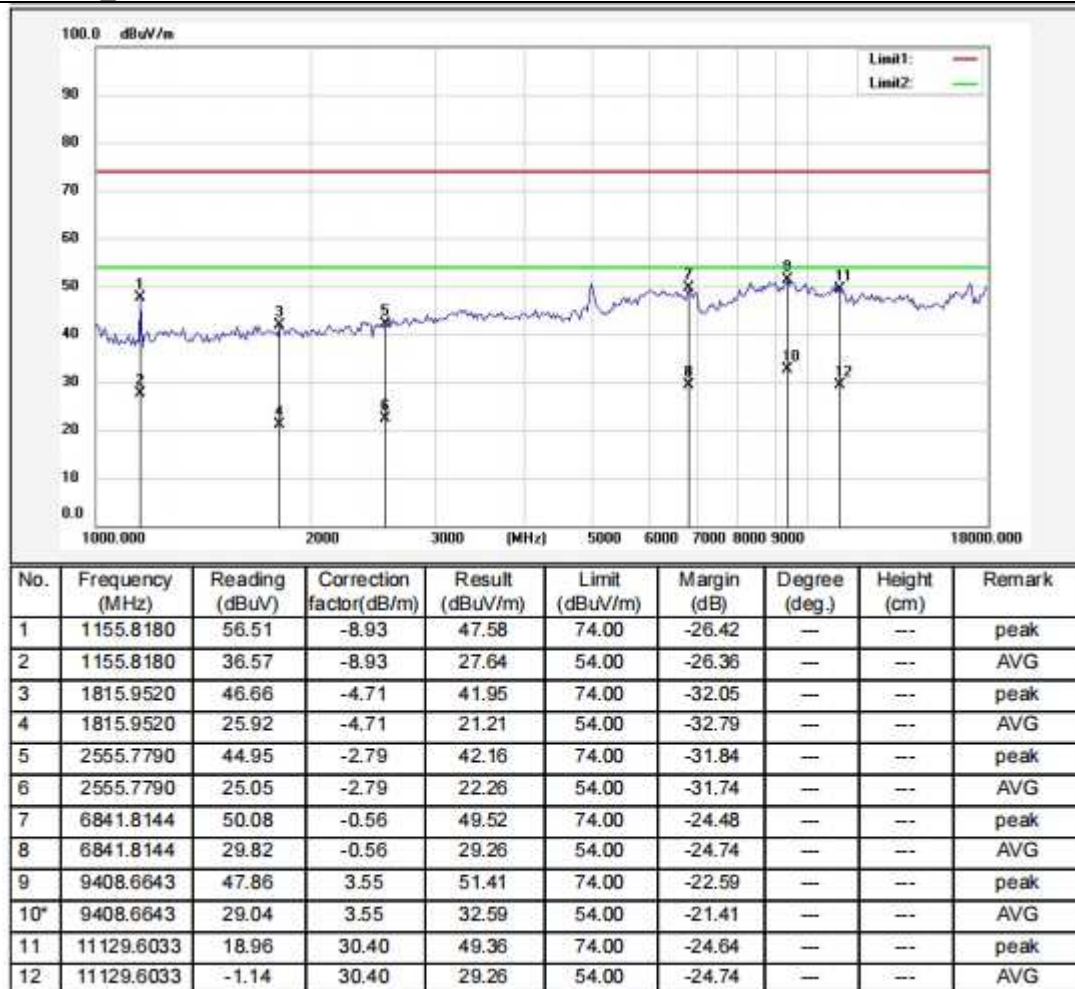
Wi-Fi 5G 11ac40_5230MHz Horizontal



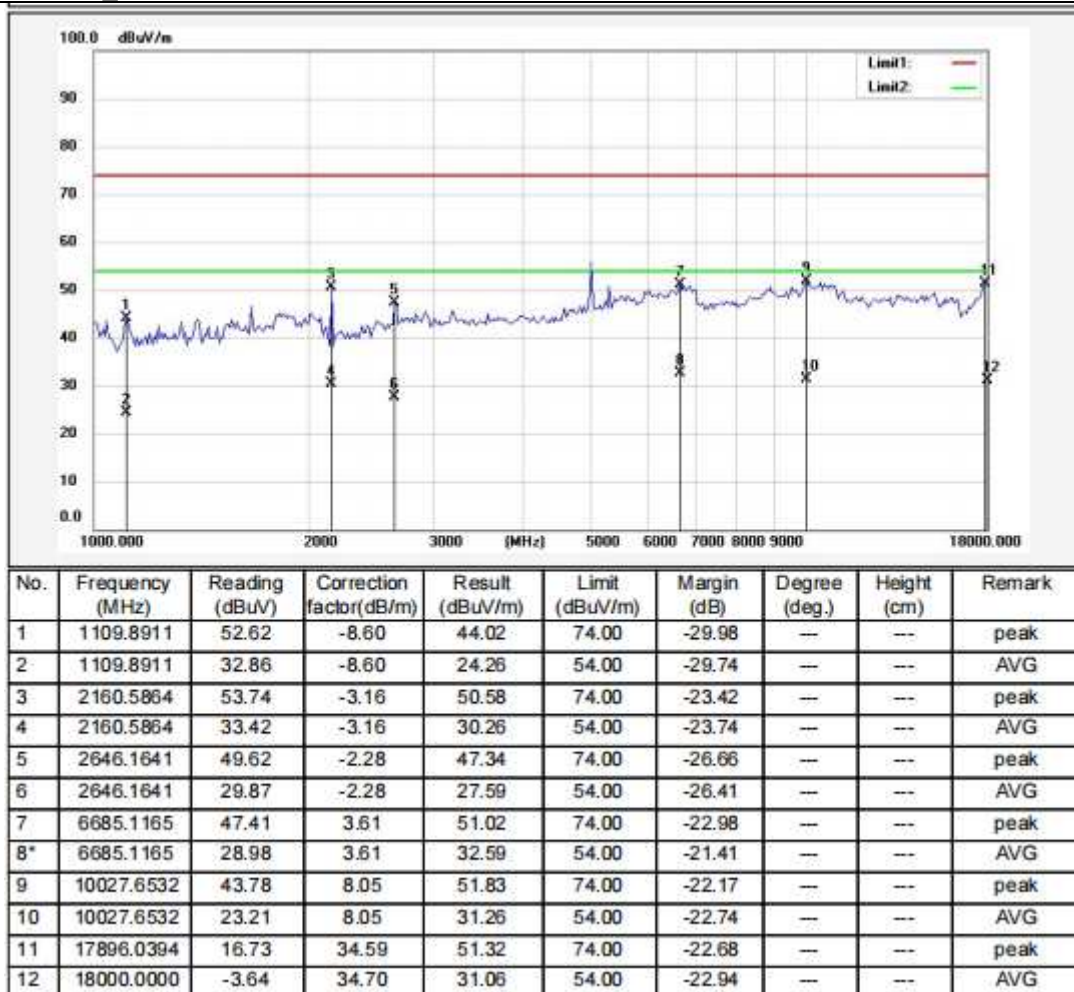
Wi-Fi 5G 11ac40_5230MHz Vertical



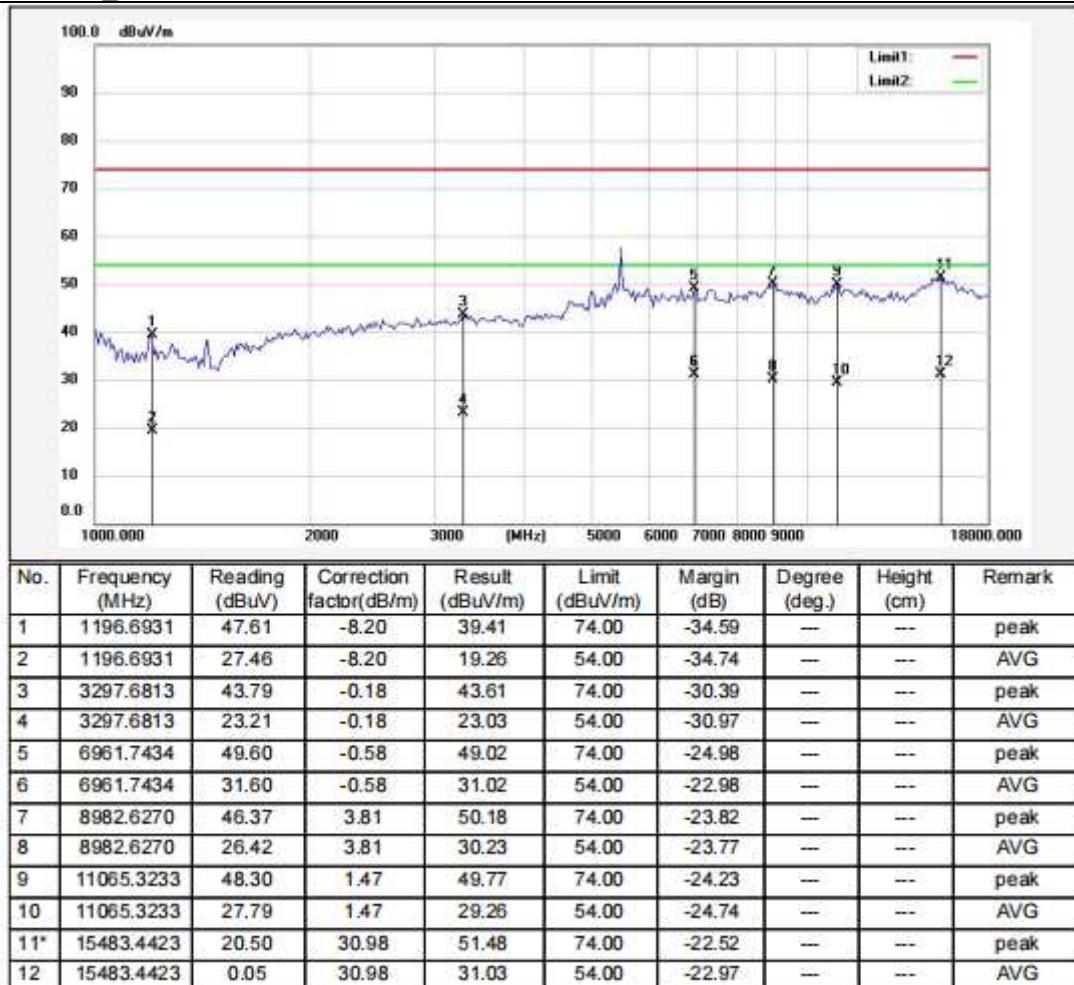
Wi-Fi 5G 11ac40_5270MHz Horizontal



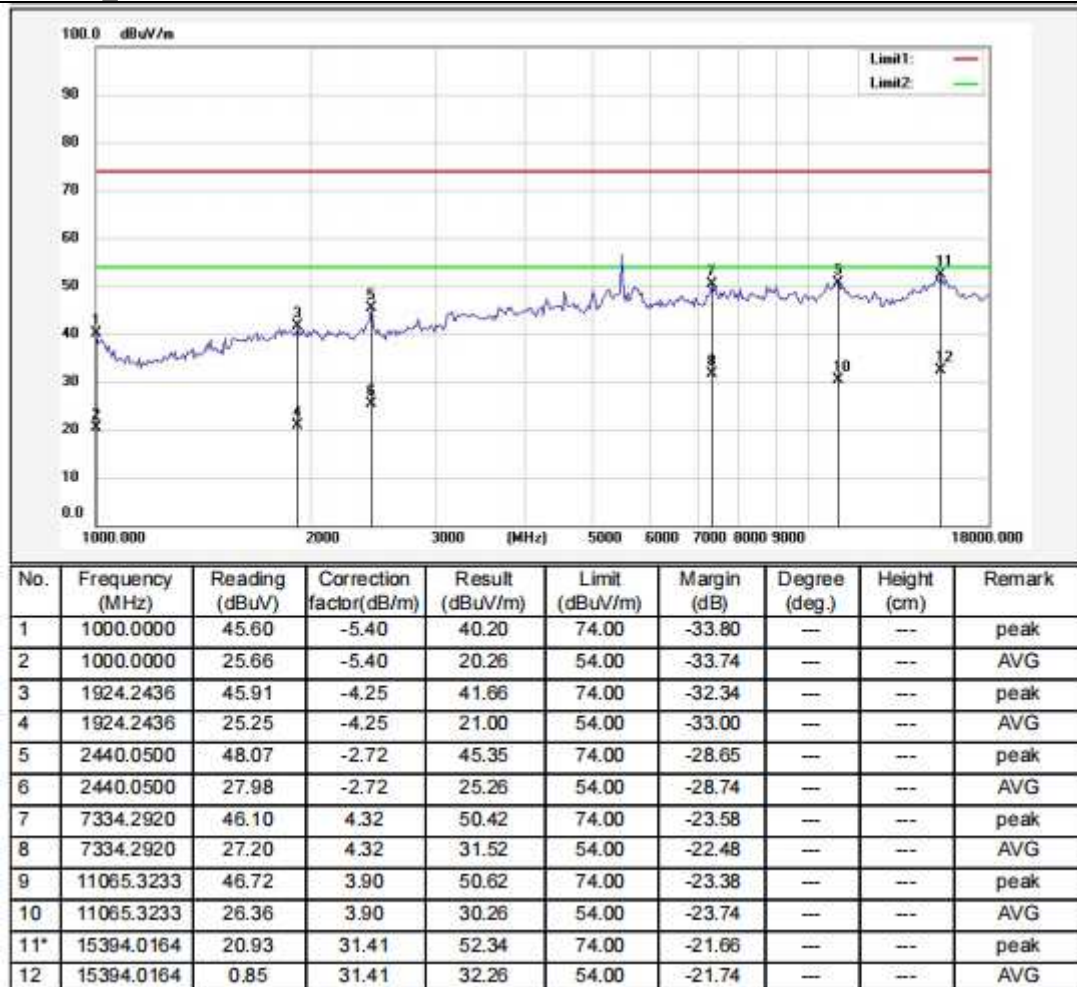
Wi-Fi 5G 11ac40_5270MHz Vertical



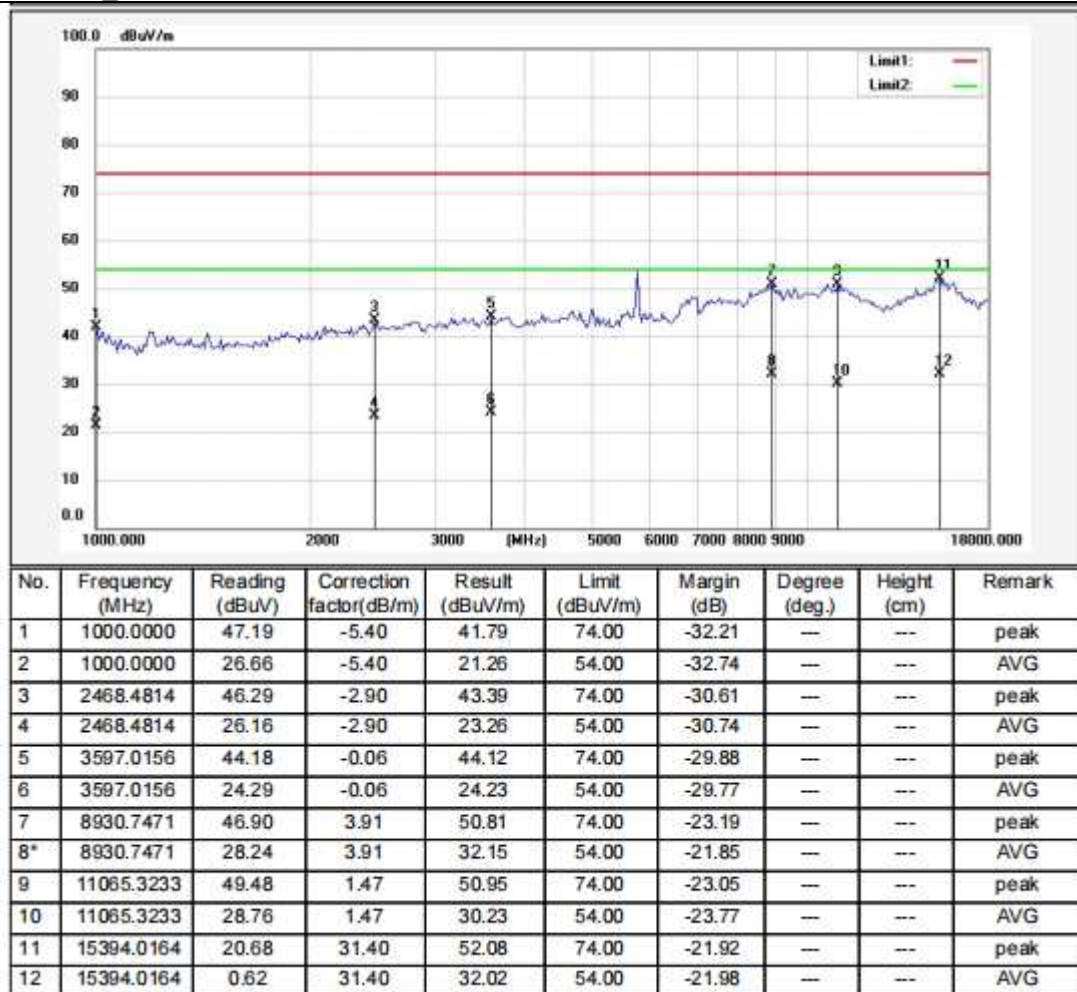
Wi-Fi 5G 11ac40_5550MHz Horizontal



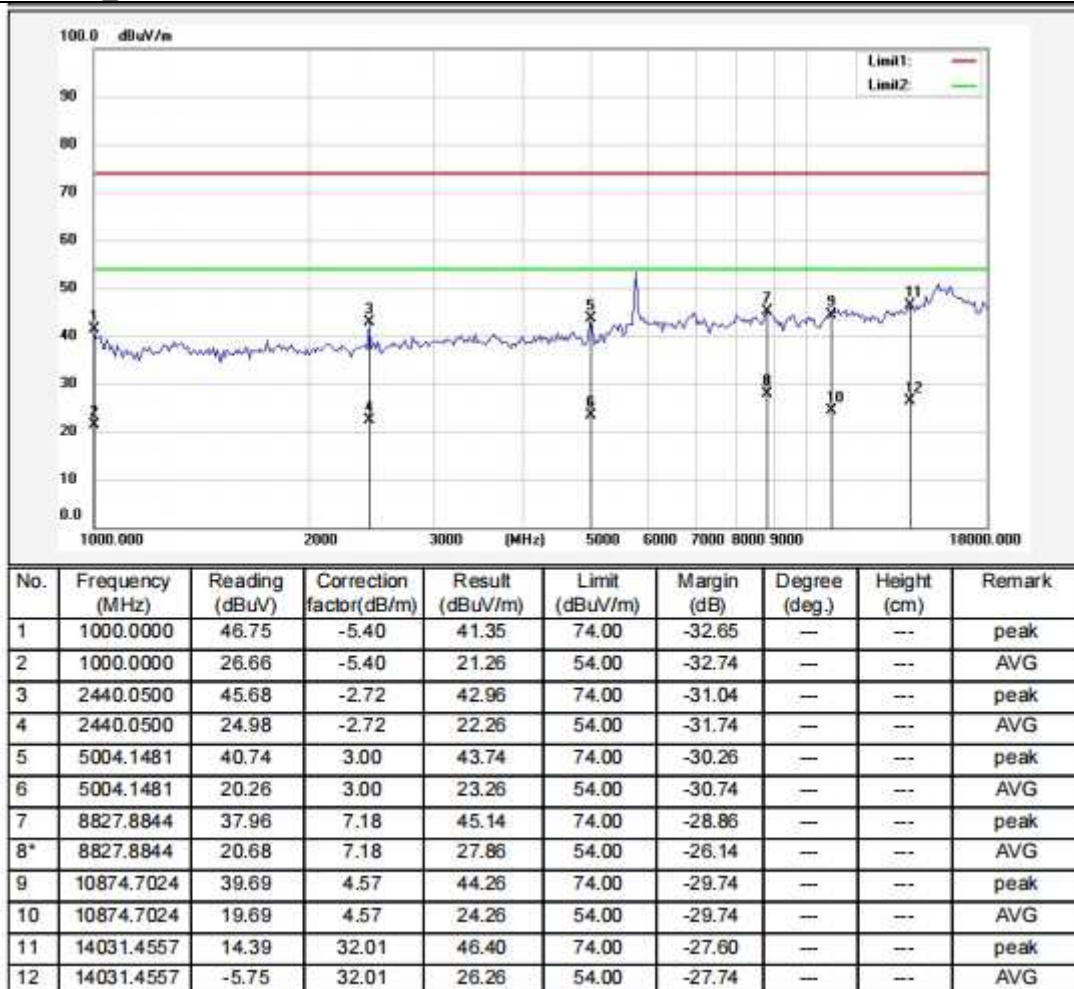
Wi-Fi 5G 11ac40_5550MHz Vertical



Wi-Fi 5G 11ac40_5795MHz Horizontal



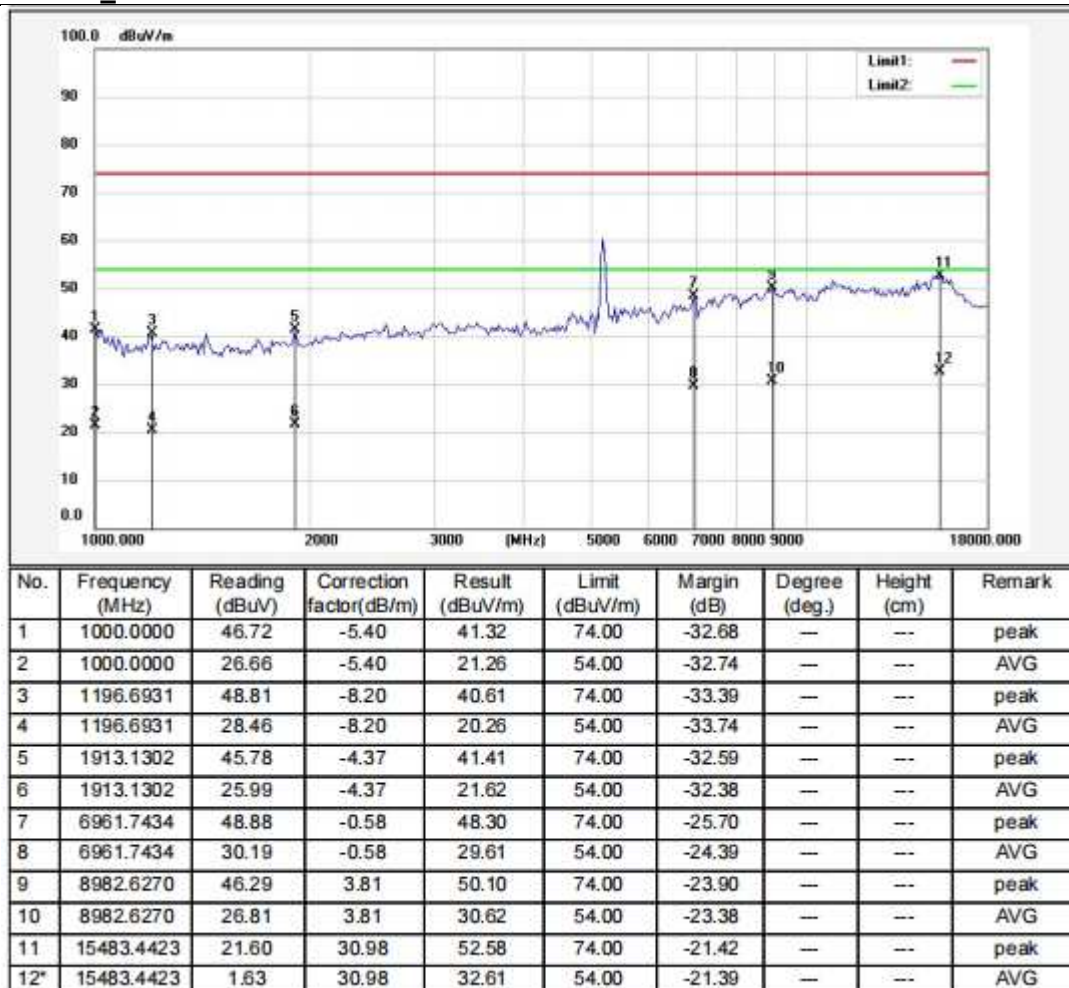
Wi-Fi 5G 11ac40_5795MHz Vertical



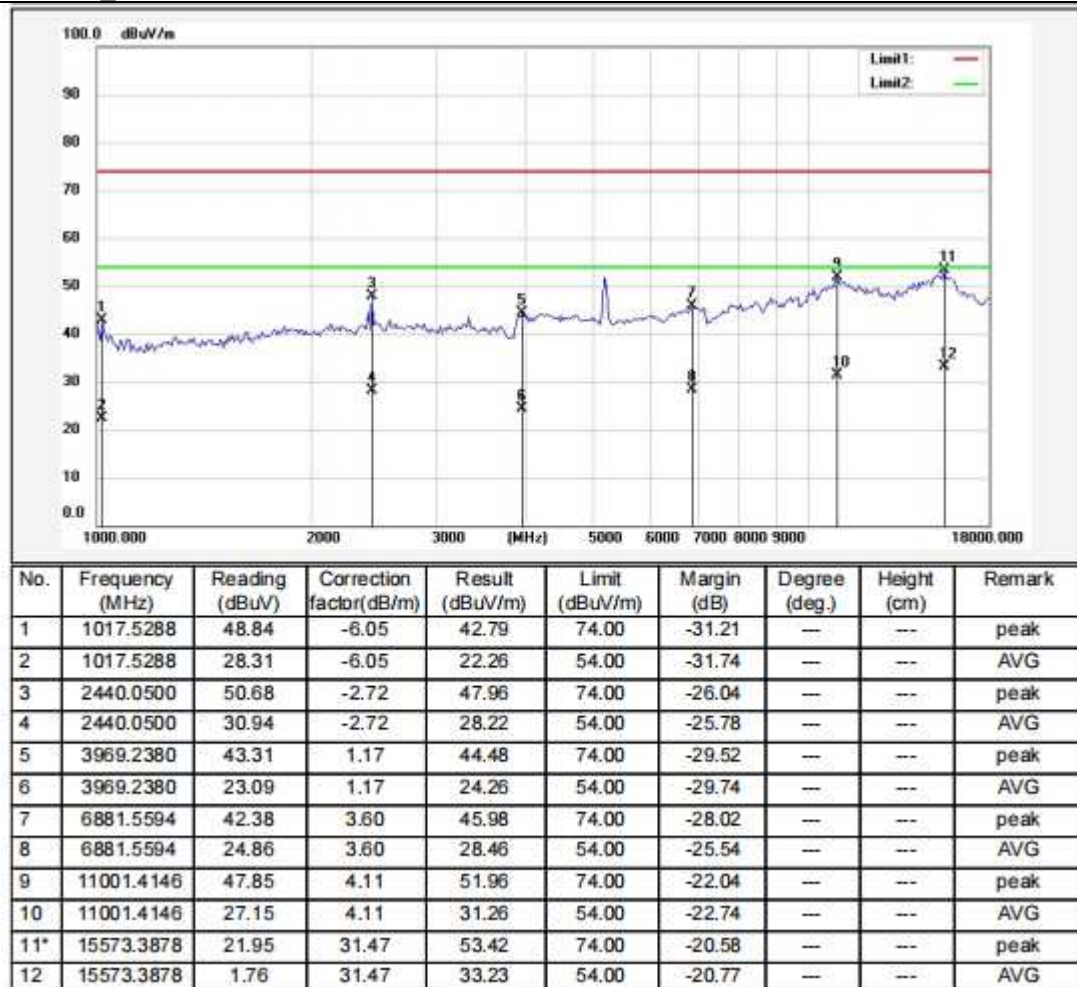
Produkte
Products

Wi-Fi 5G 802.11ac80:

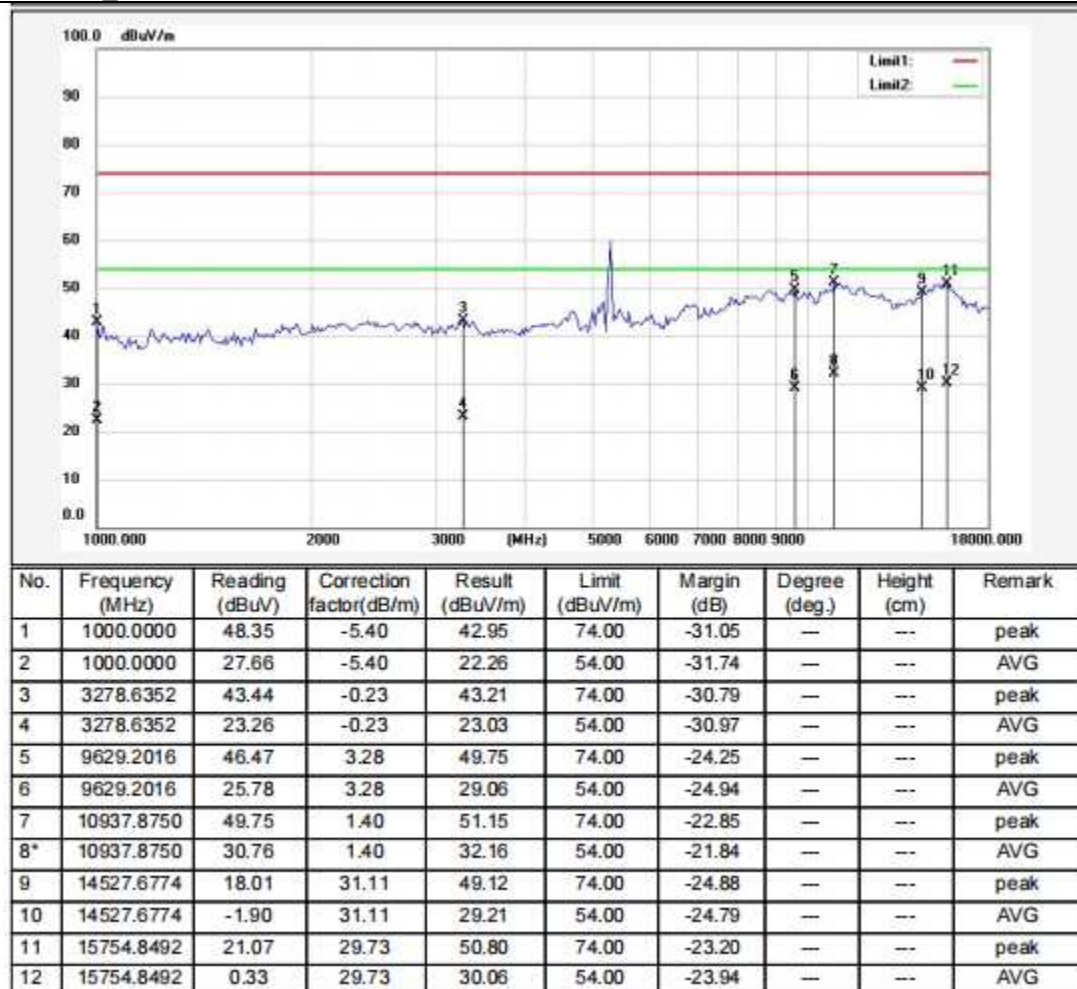
Wi-Fi 5G 11ac80_5210MHz Horizontal



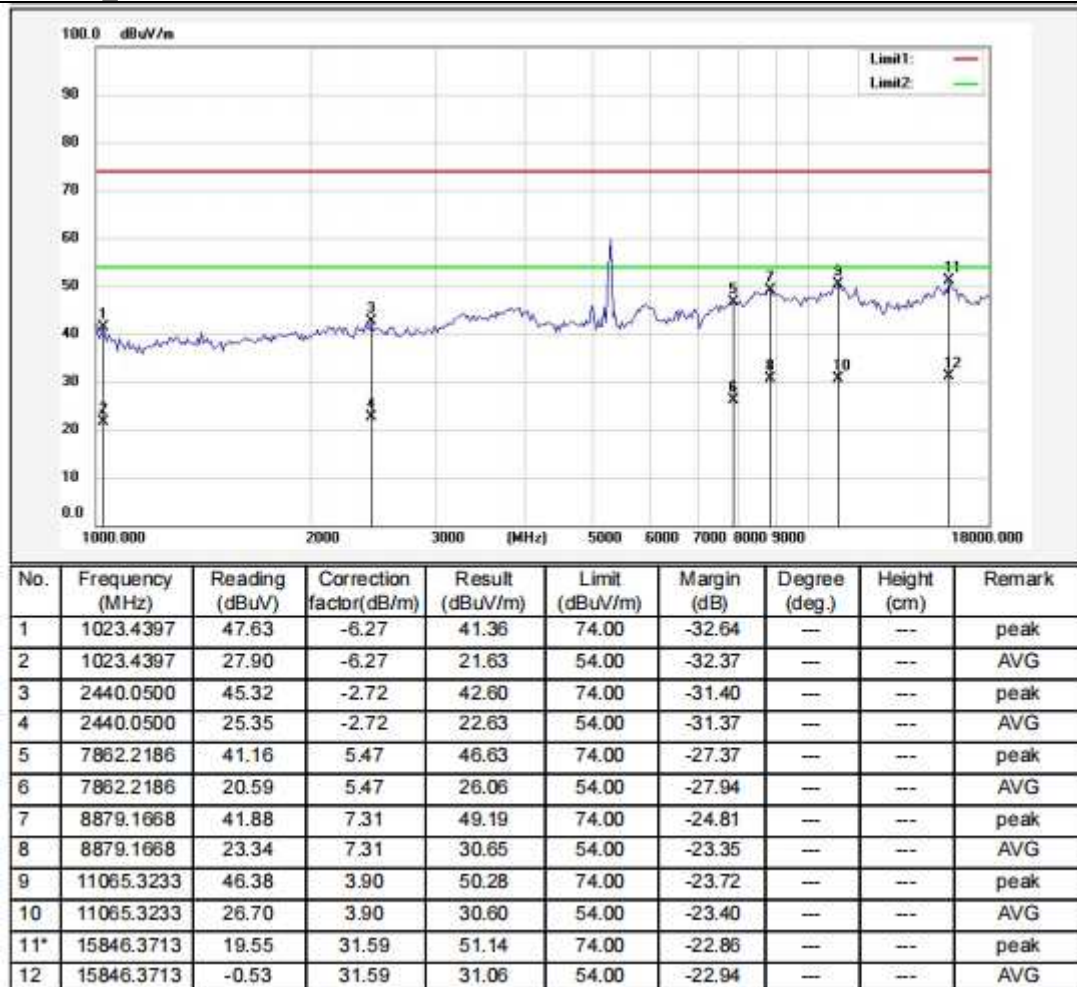
Wi-Fi 5G 11ac80_5210MHz Vertical



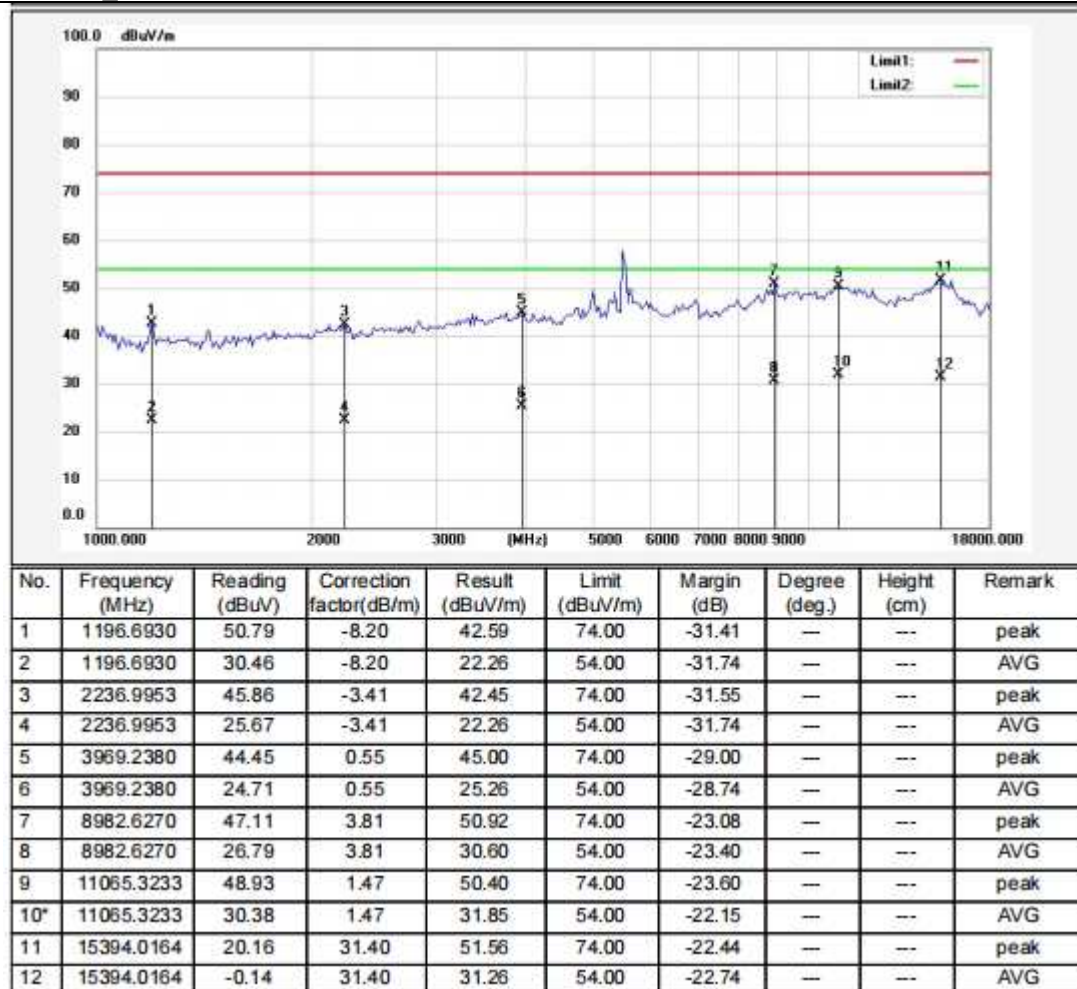
Wi-Fi 5G 11ac80_5290MHz Horizontal



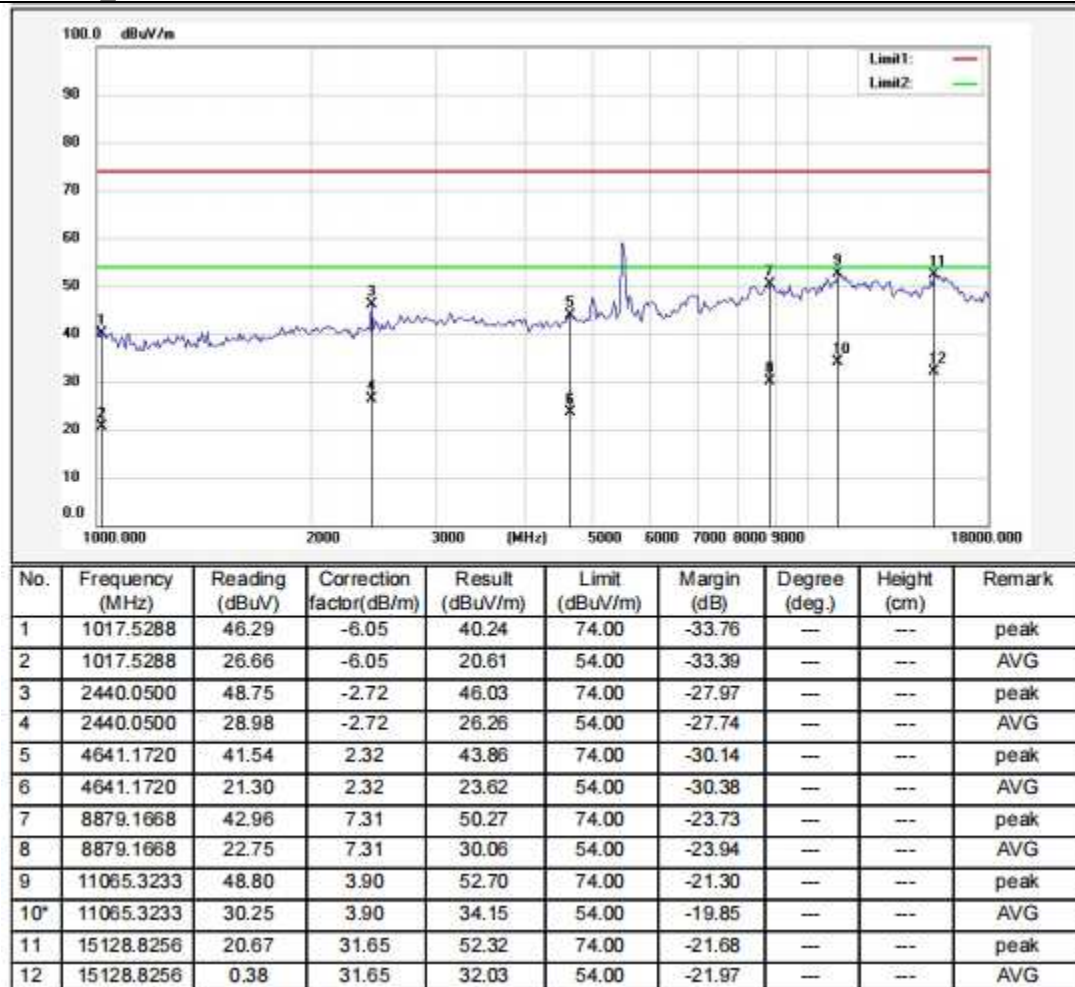
Wi-Fi 5G 11ac80_5290MHz Vertical



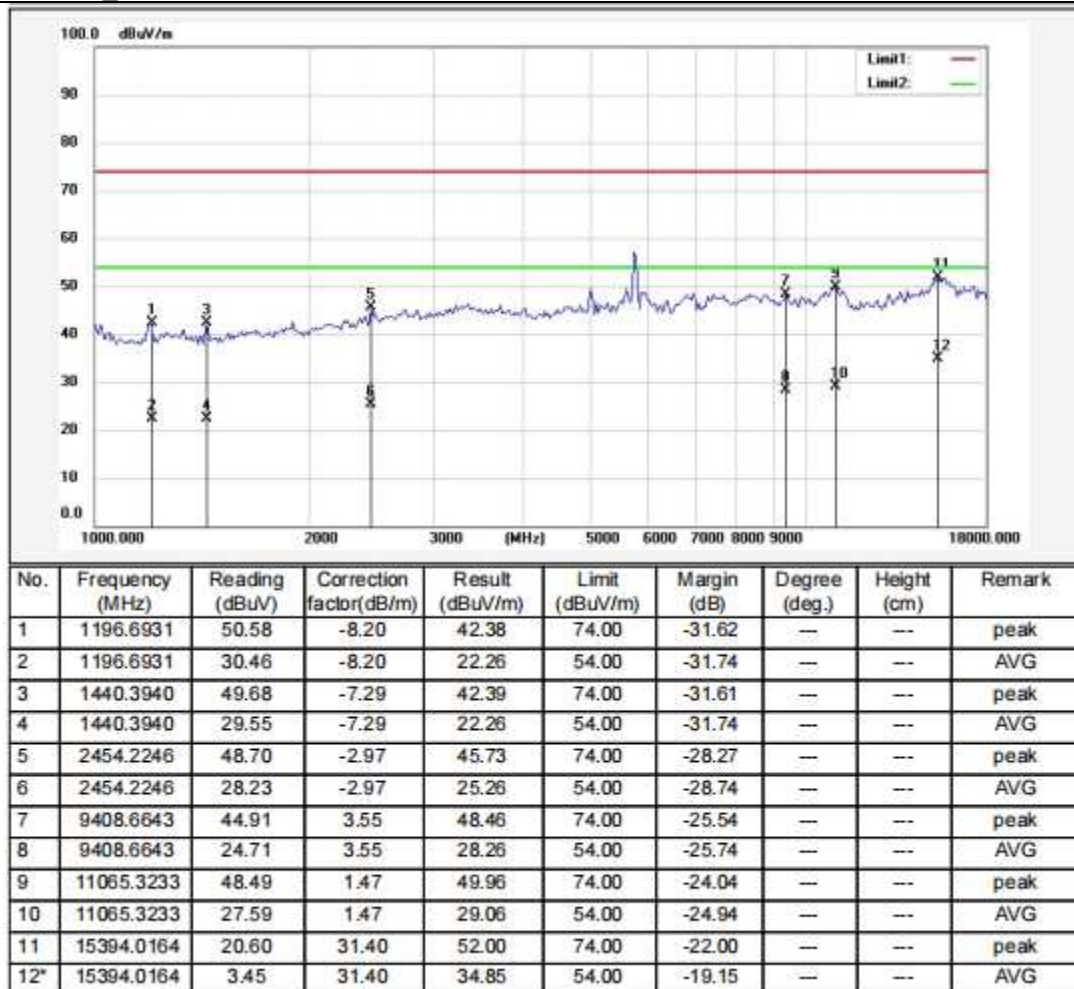
Wi-Fi 5G 11ac80_5530MHz Horizontal



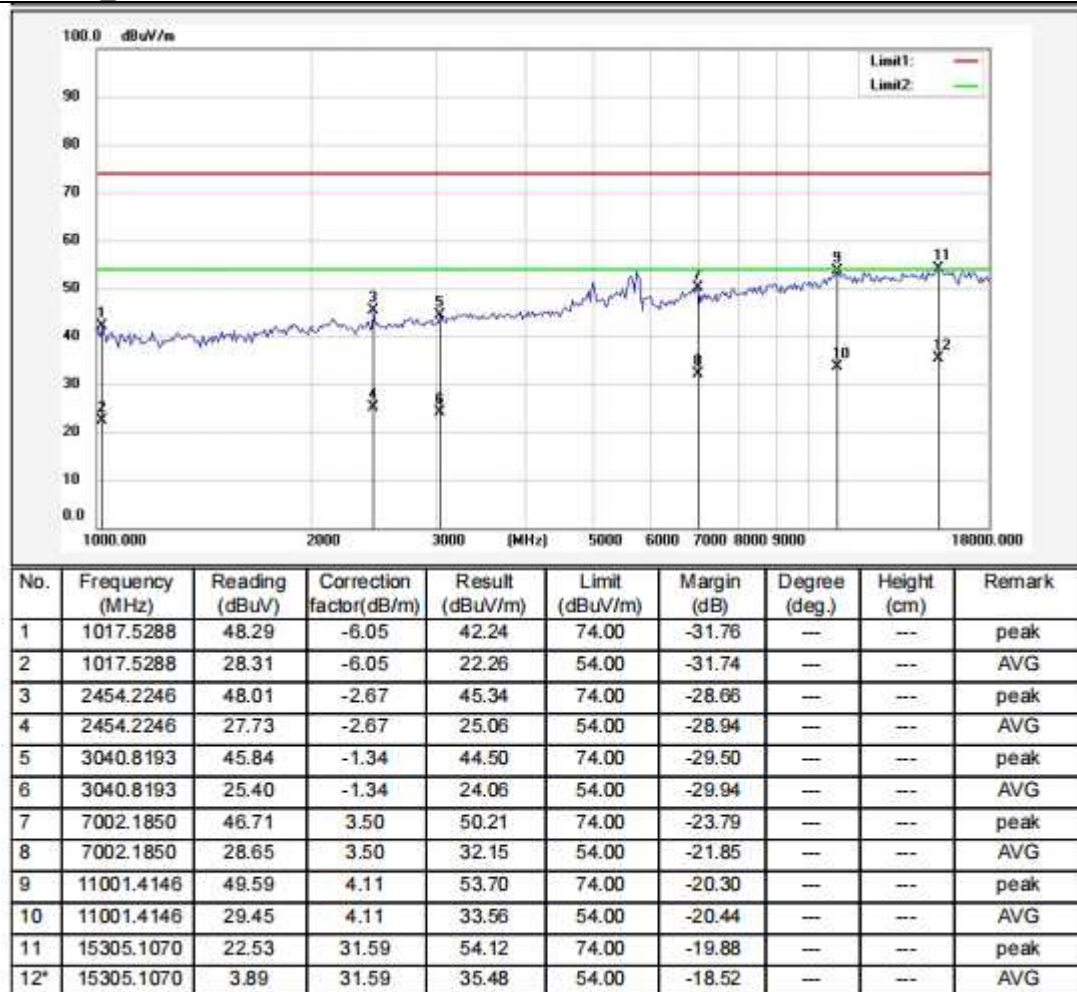
Wi-Fi 5G 11ac80_5530MHz Vertical



Wi-Fi 5G 11ac80_5775MHz Horizontal



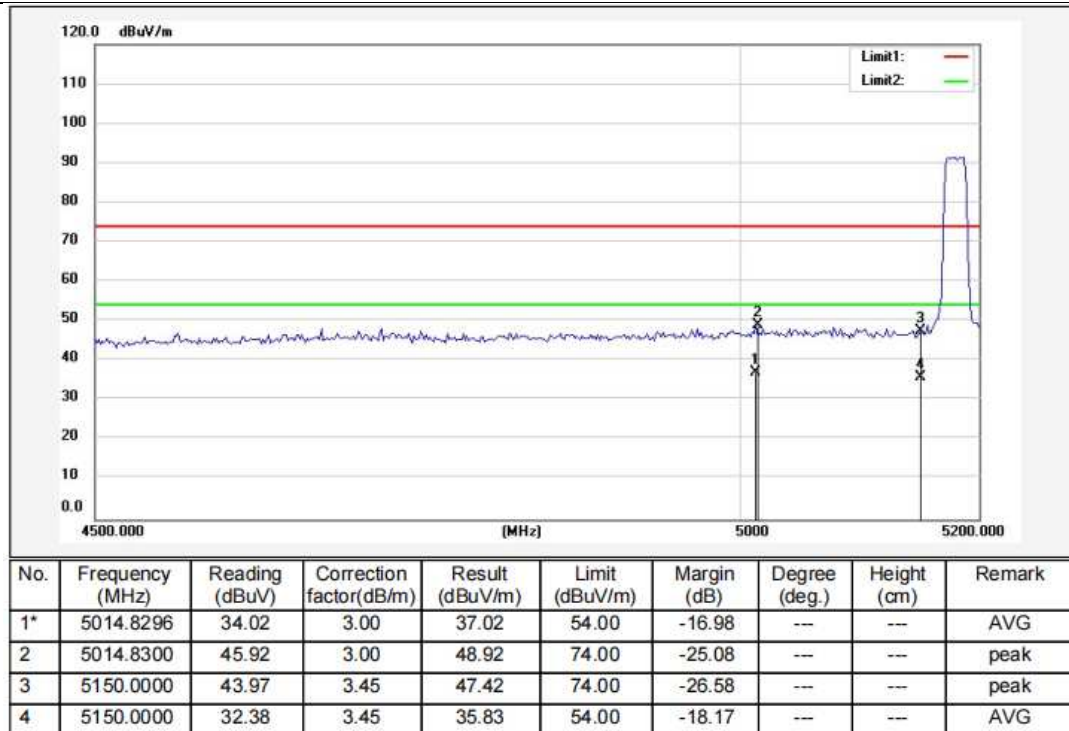
Wi-Fi 5G 11ac80_5775MHz Vertical



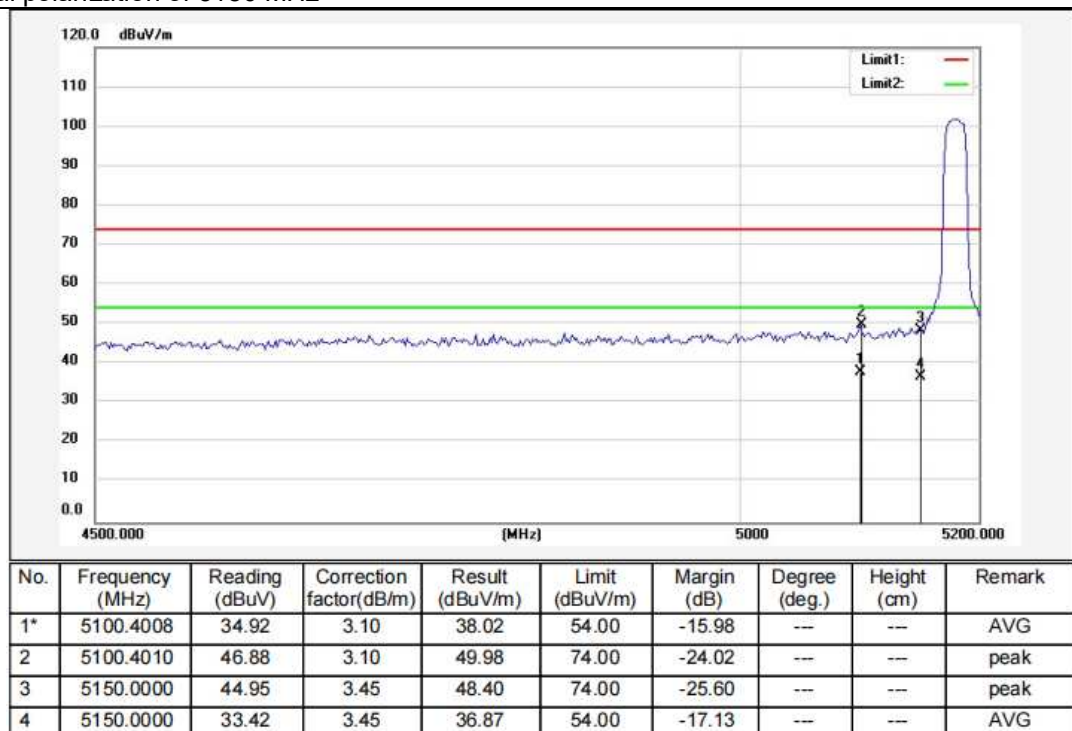
Appendix B.5: Bandedge

Note: 1. Both SISO and MIMO are tested, and only the worst data is reflected in the report.

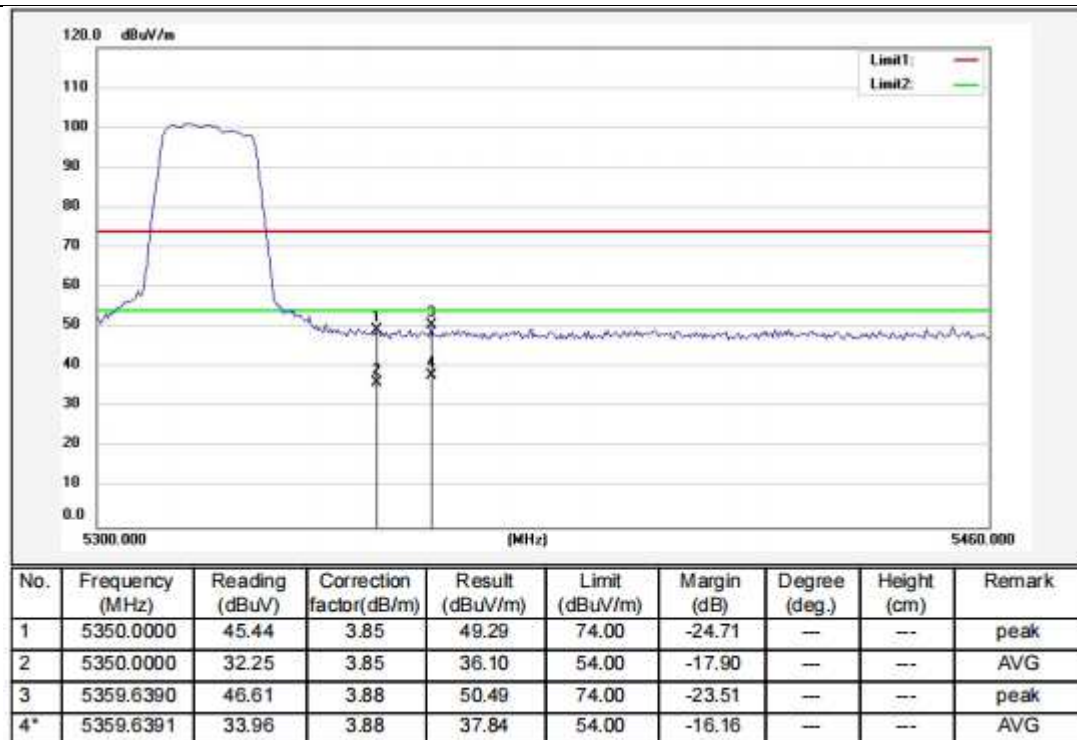
Wi-Fi 802.11 A mode, 6 Mbps Vertical polarization of 5180 MHz



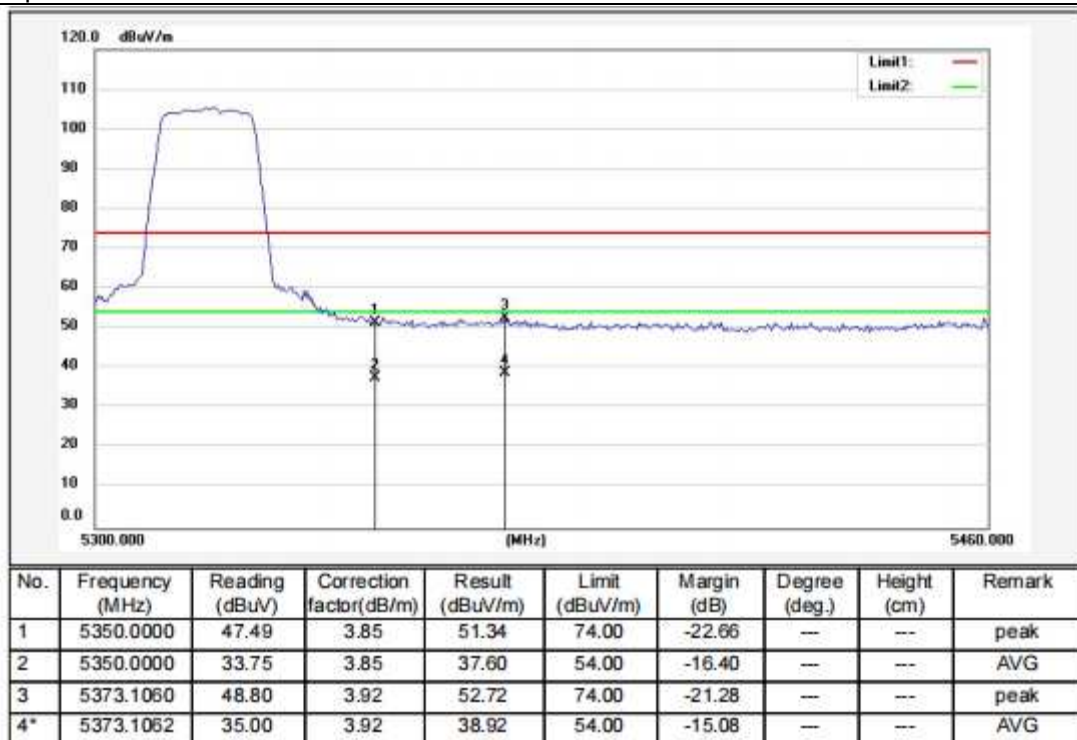
Horizontal polarization of 5180 MHz



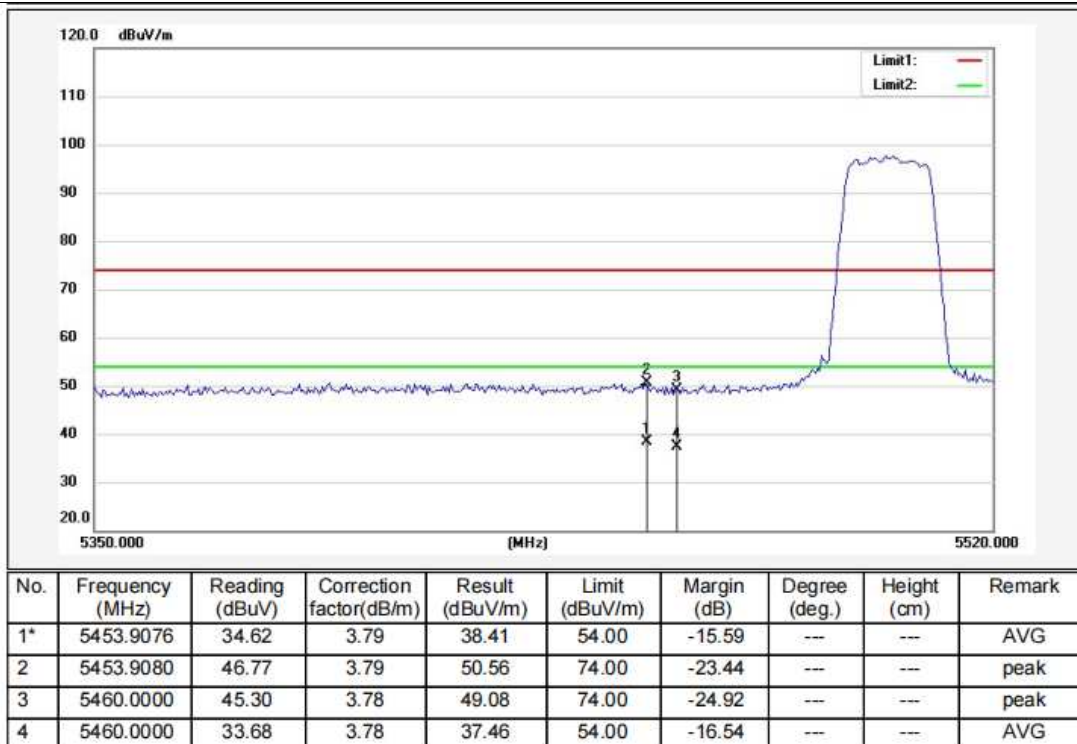
Vertical polarization of 5320 MHz



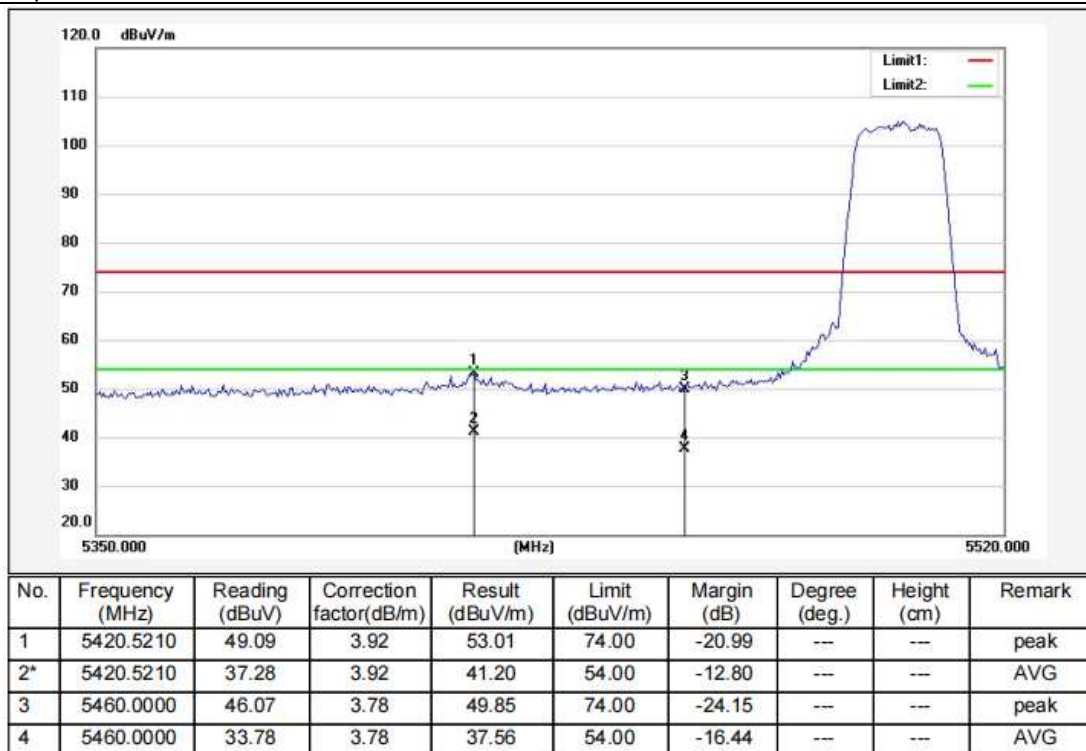
Horizontal polarization of 5320 MHz



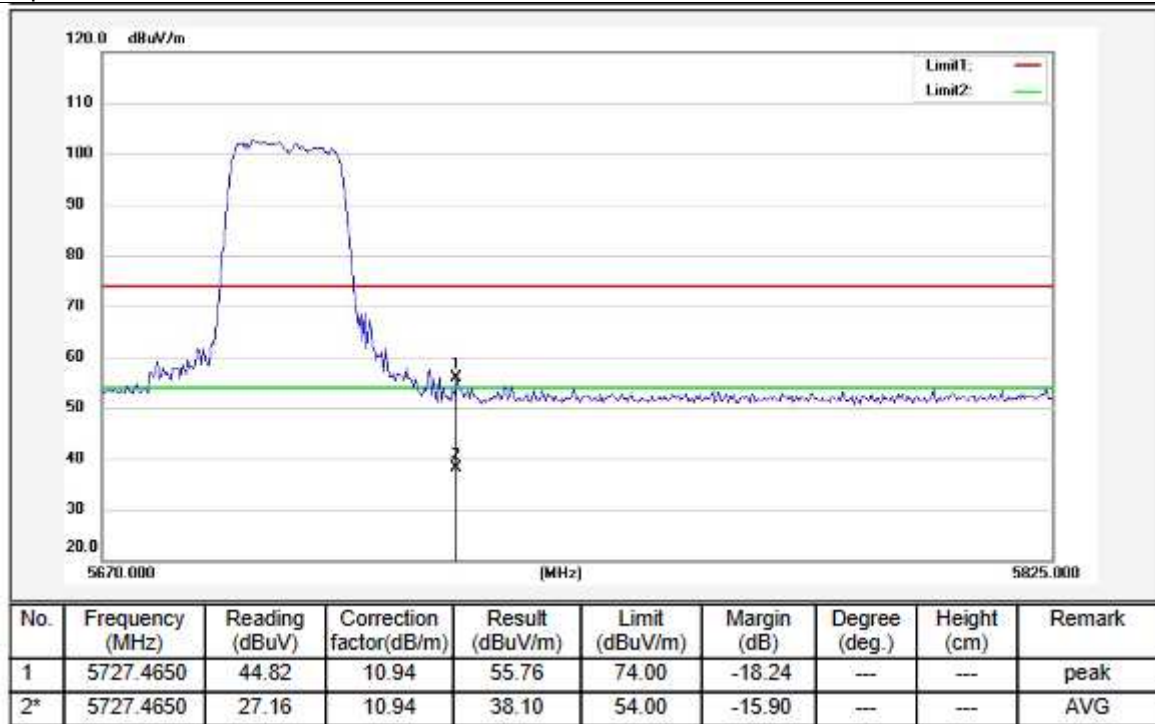
Vertical polarization of 5500 MHz



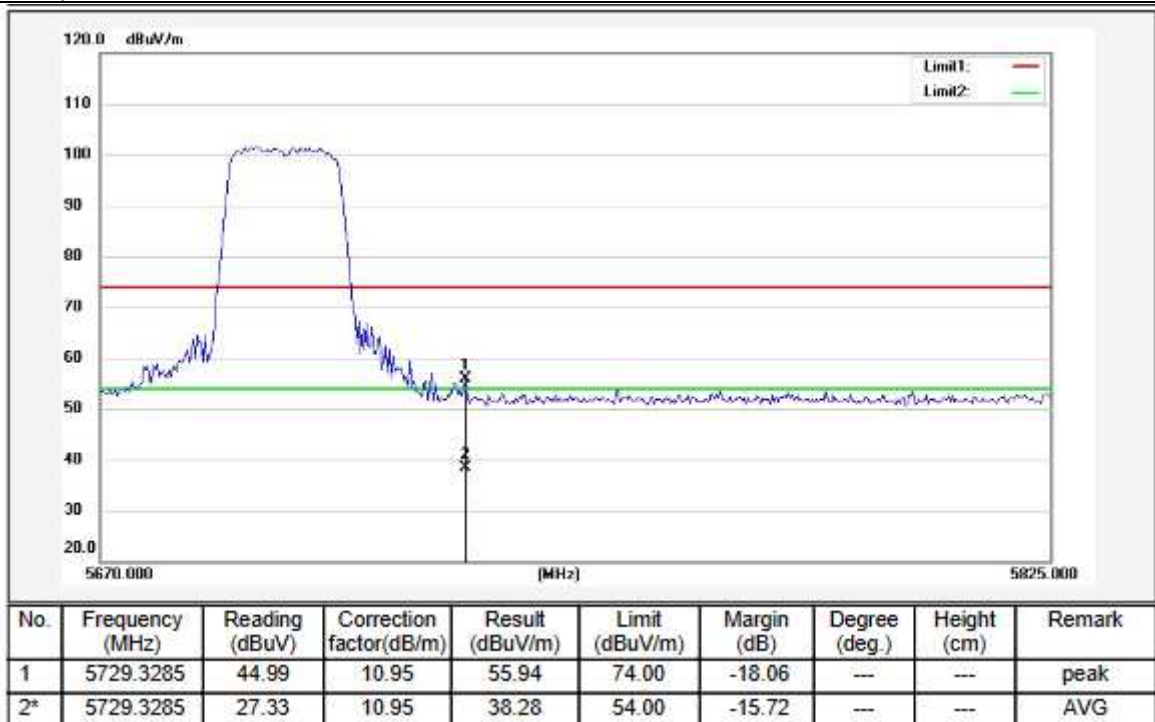
Horizontal polarization of 5500 MHz



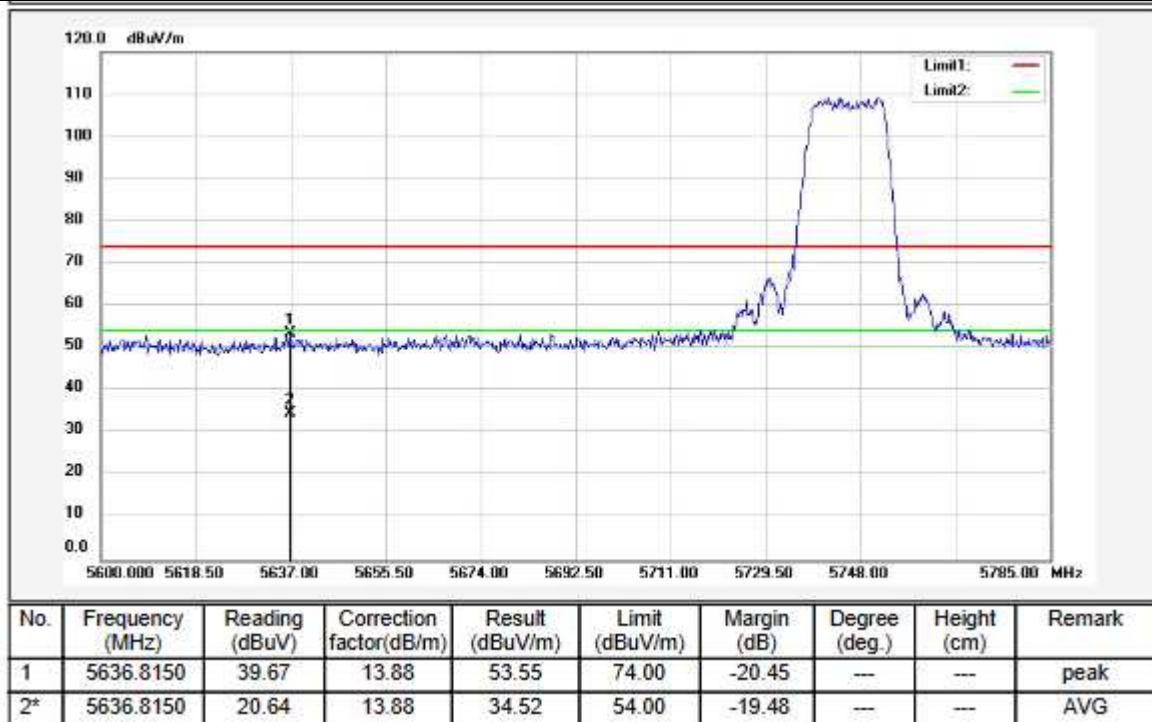
Vertical polarization of 5700 MHz



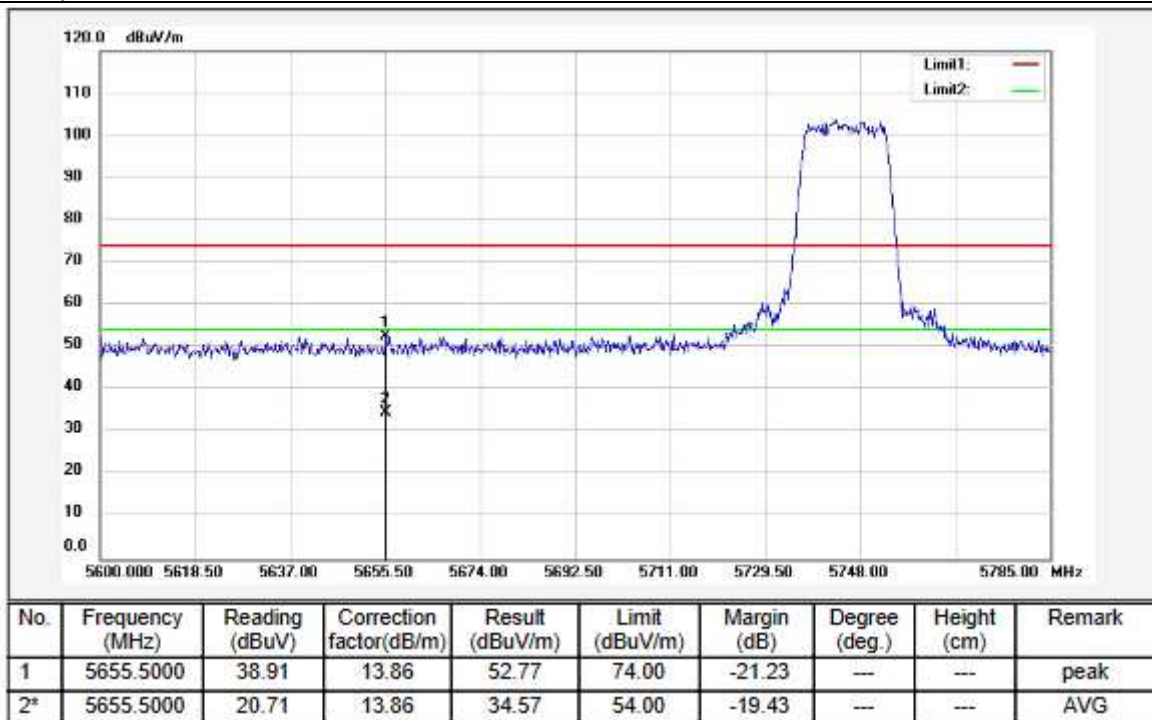
Horizontal polarization of 5700 MHz



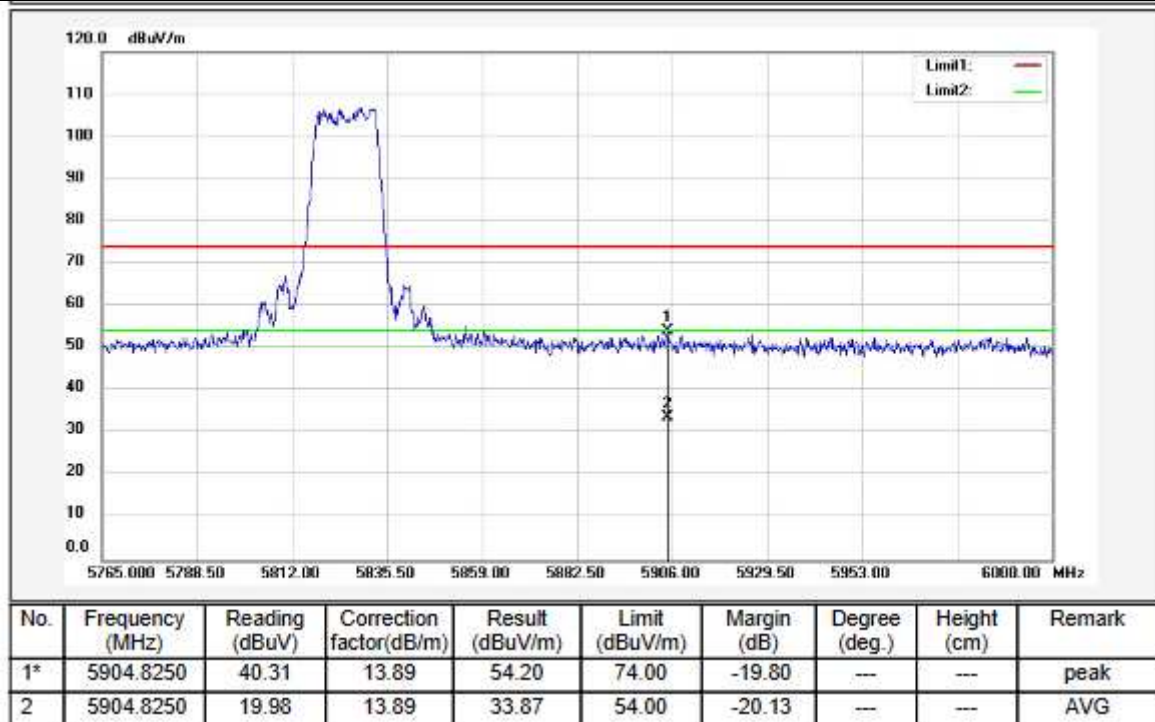
Vertical polarization of 5745 MHz



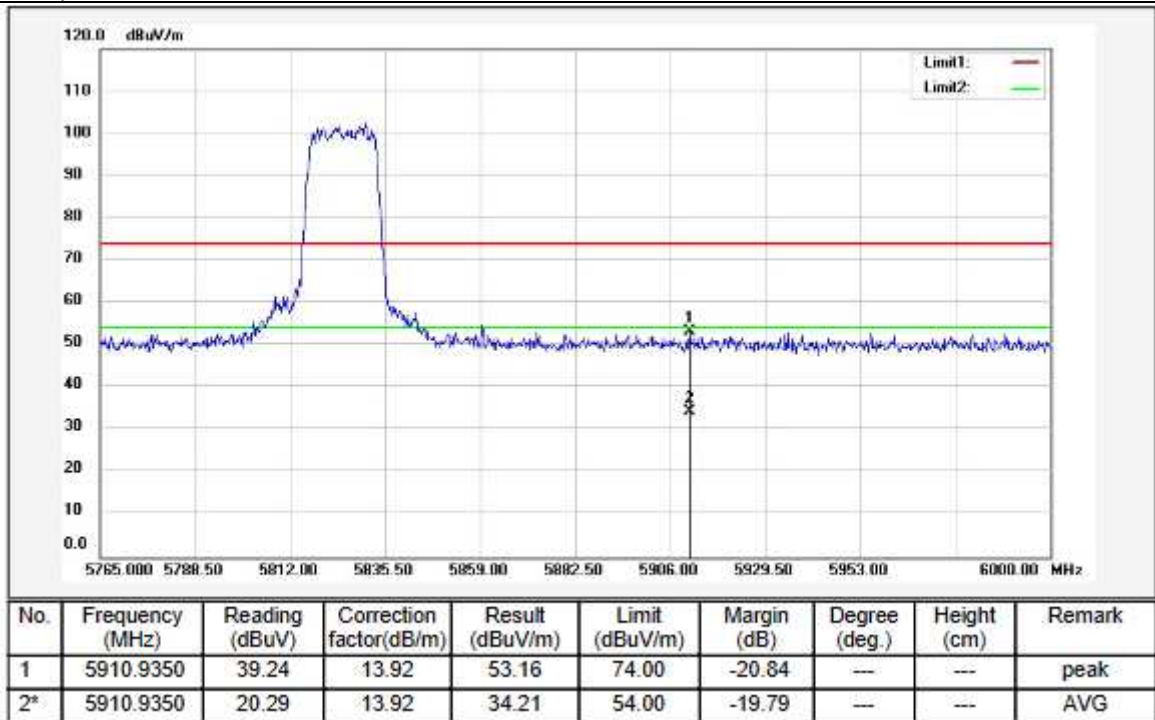
Horizontal polarization of 5745 MHz



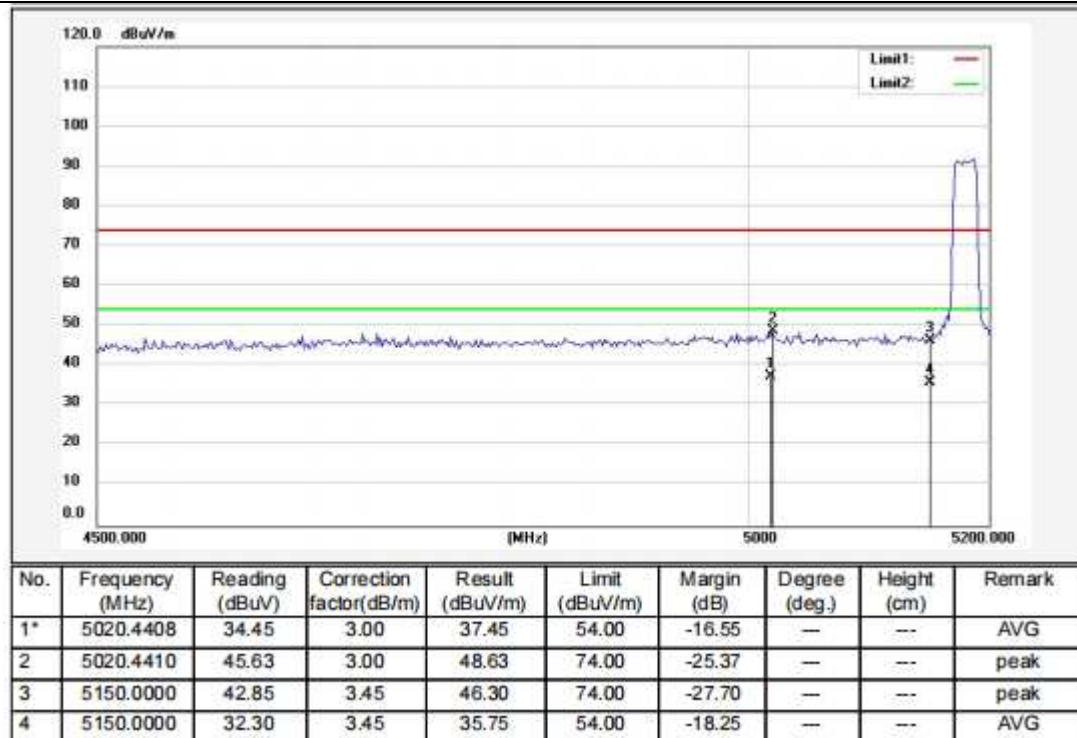
Vertical polarization of 5825 MHz



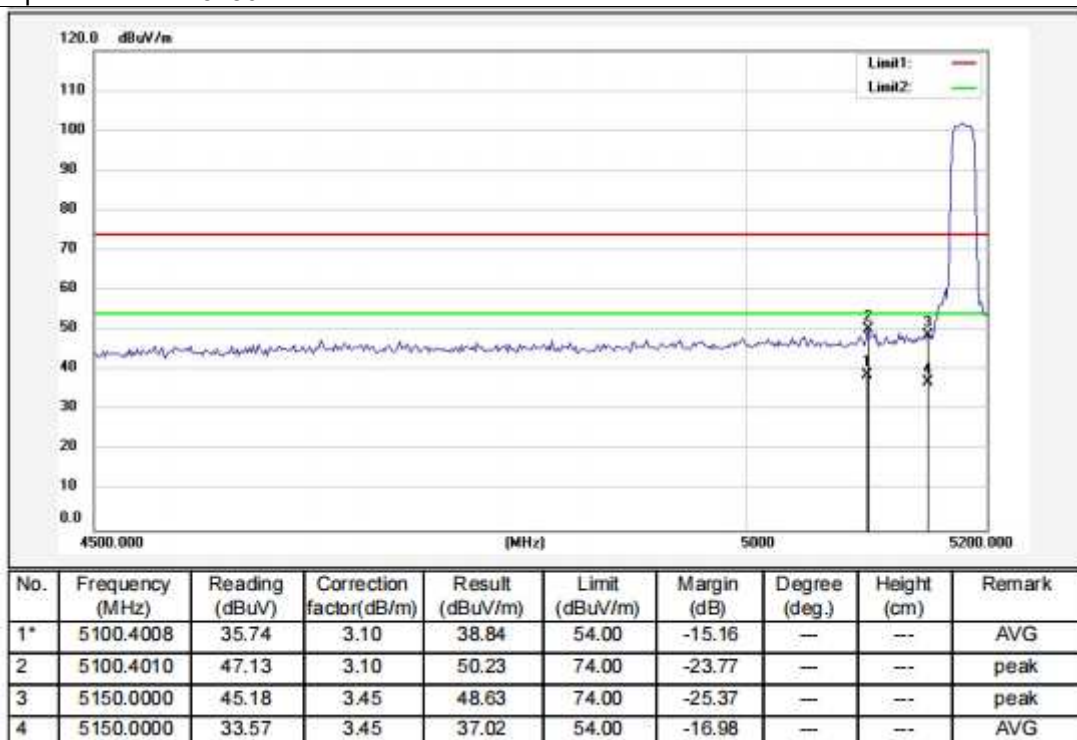
Horizontal polarization of 5825 MHz



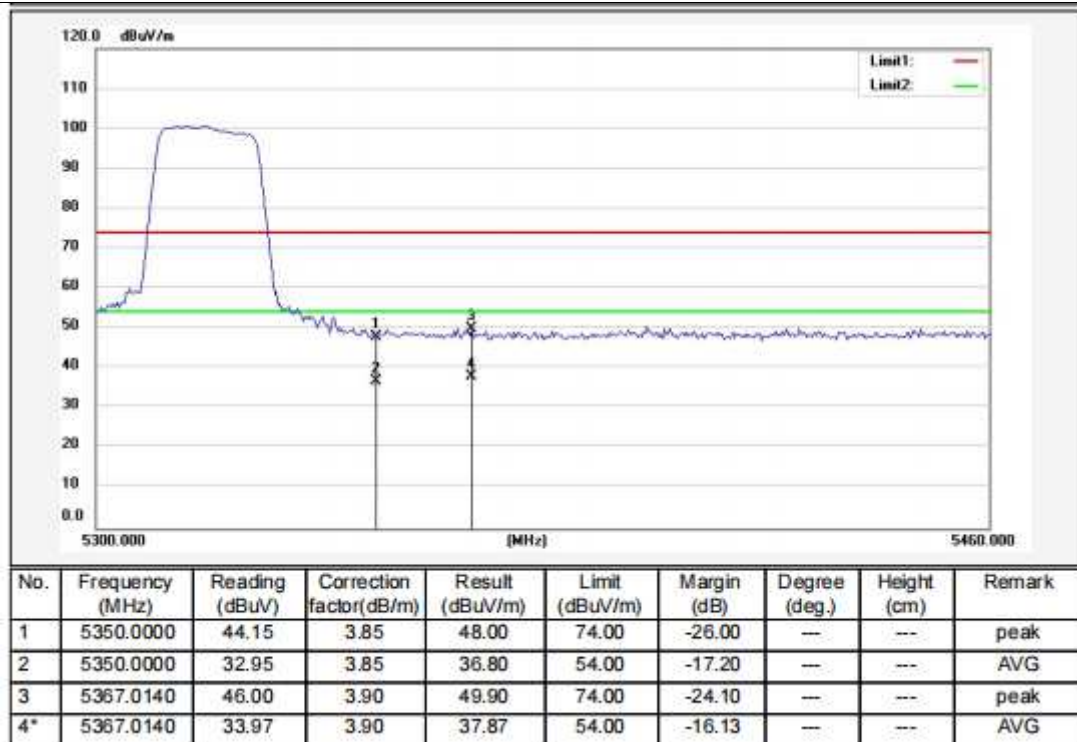
Wi-Fi 802.11n(HT20) mode, MCS0
Vertical polarization of 5180 MHz



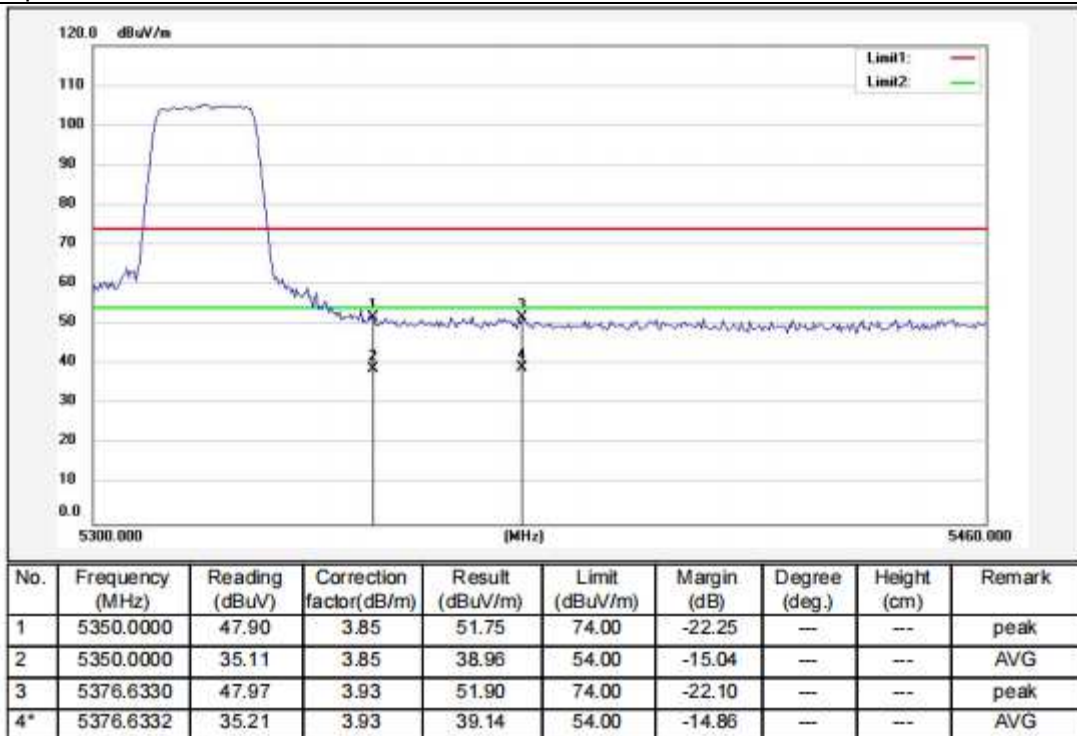
Horizontal polarization of 5180 MHz



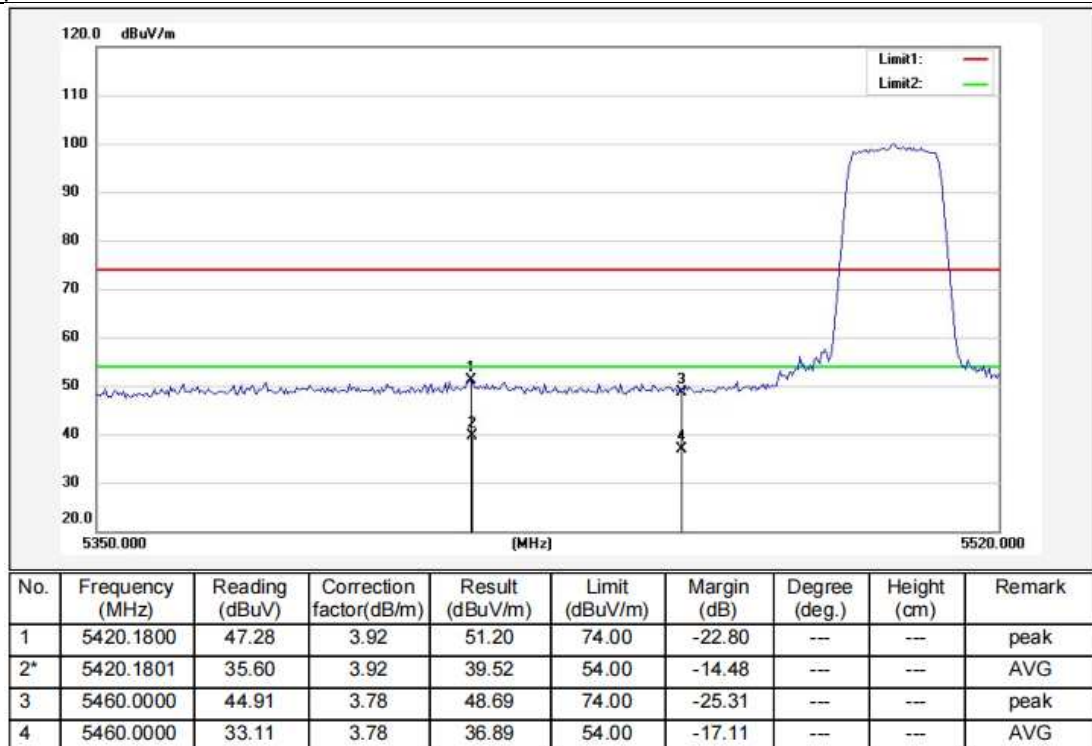
Vertical polarization of 5320 MHz



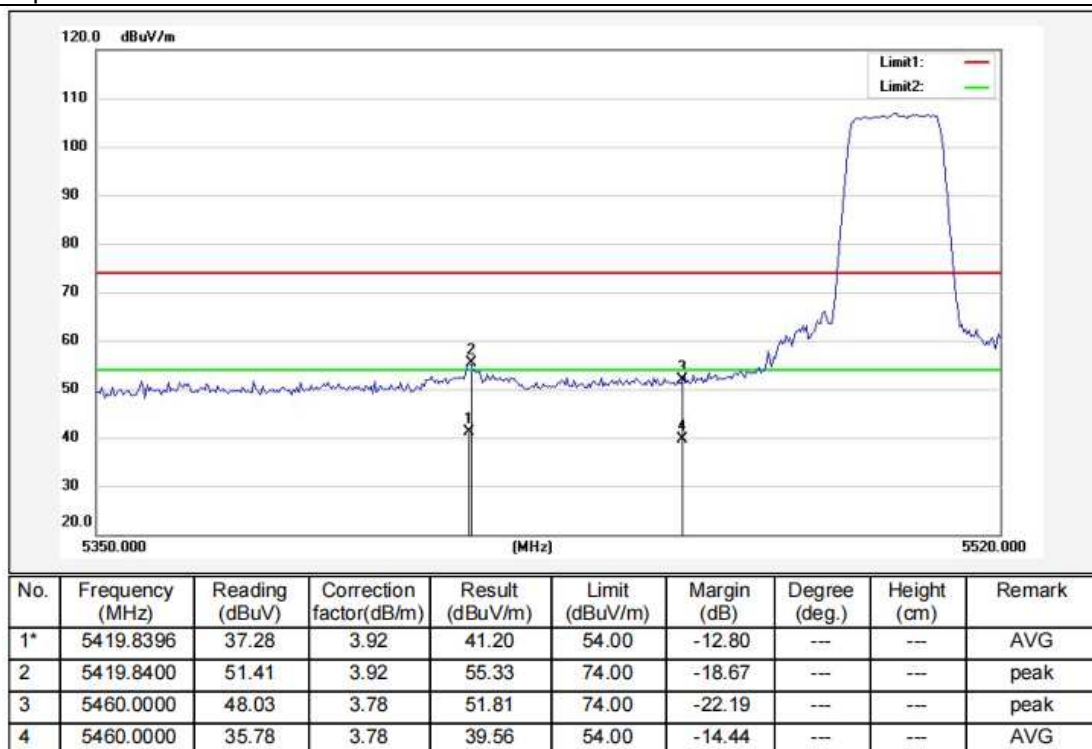
Horizontal polarization of 5320 MHz



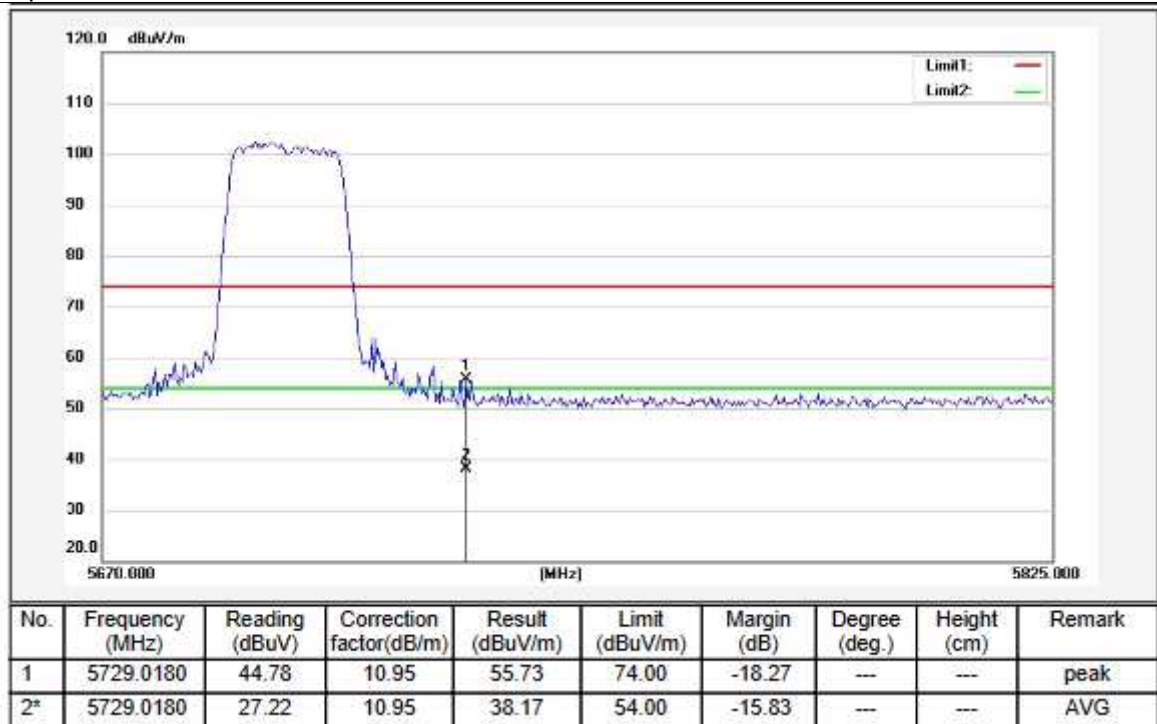
Vertical polarization of 5500 MHz



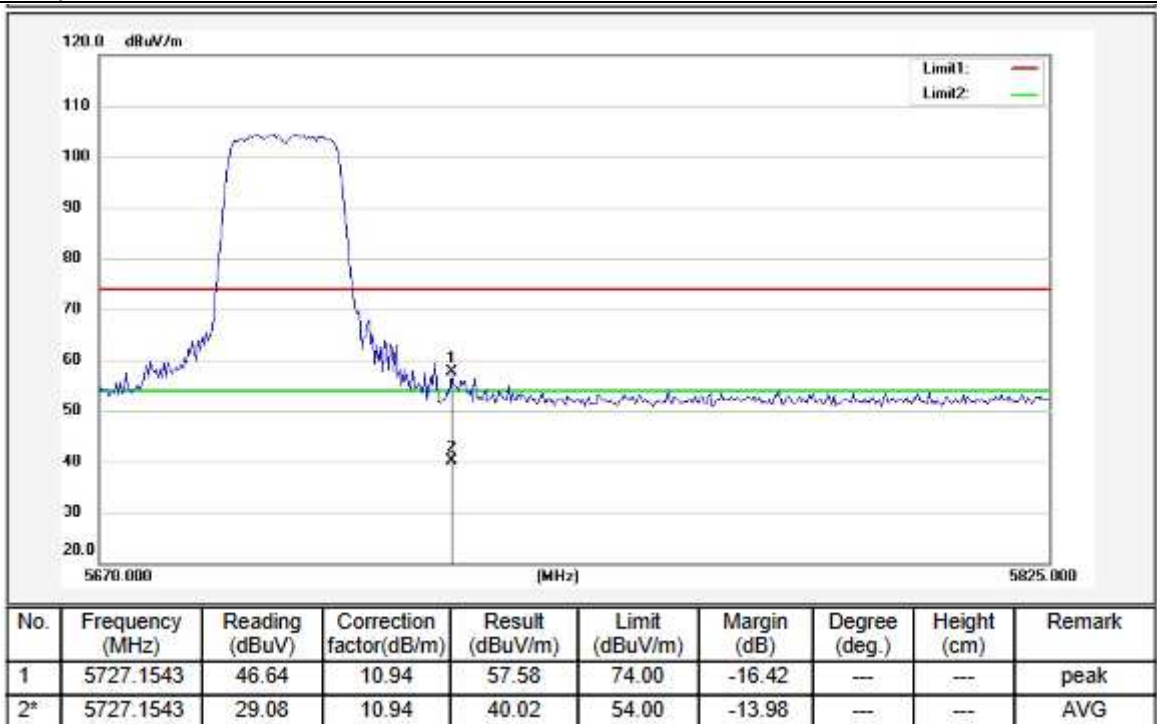
Horizontal polarization of 5500 MHz



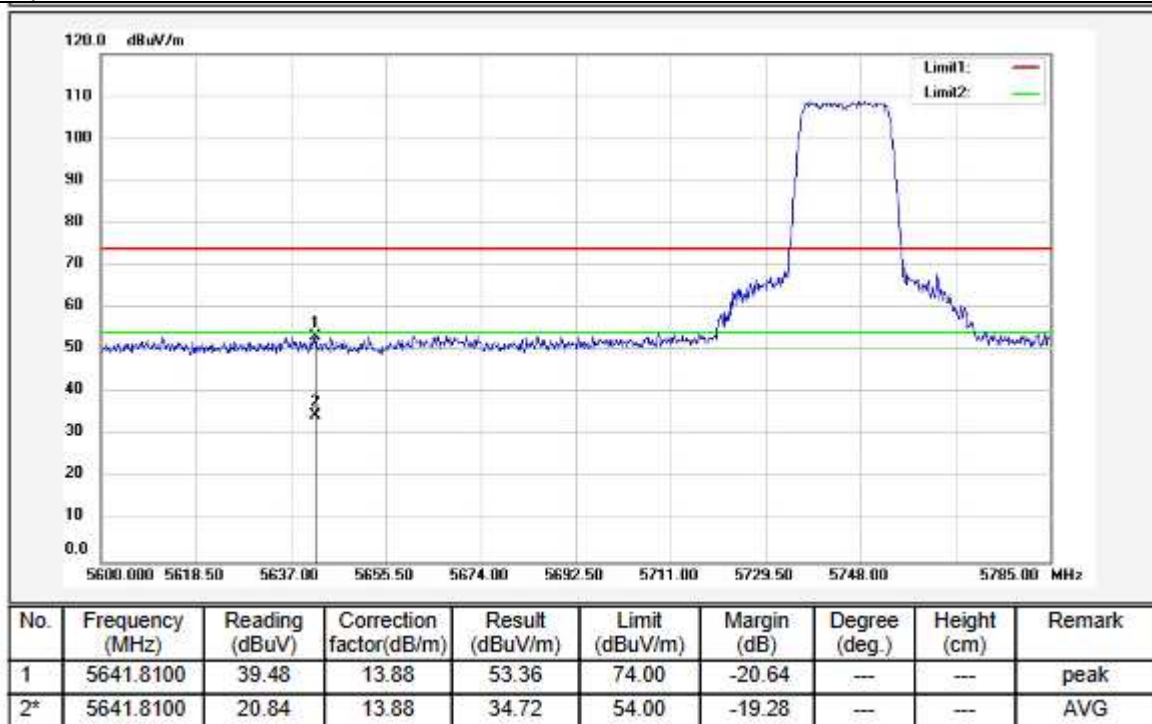
Vertical polarization of 5700 MHz



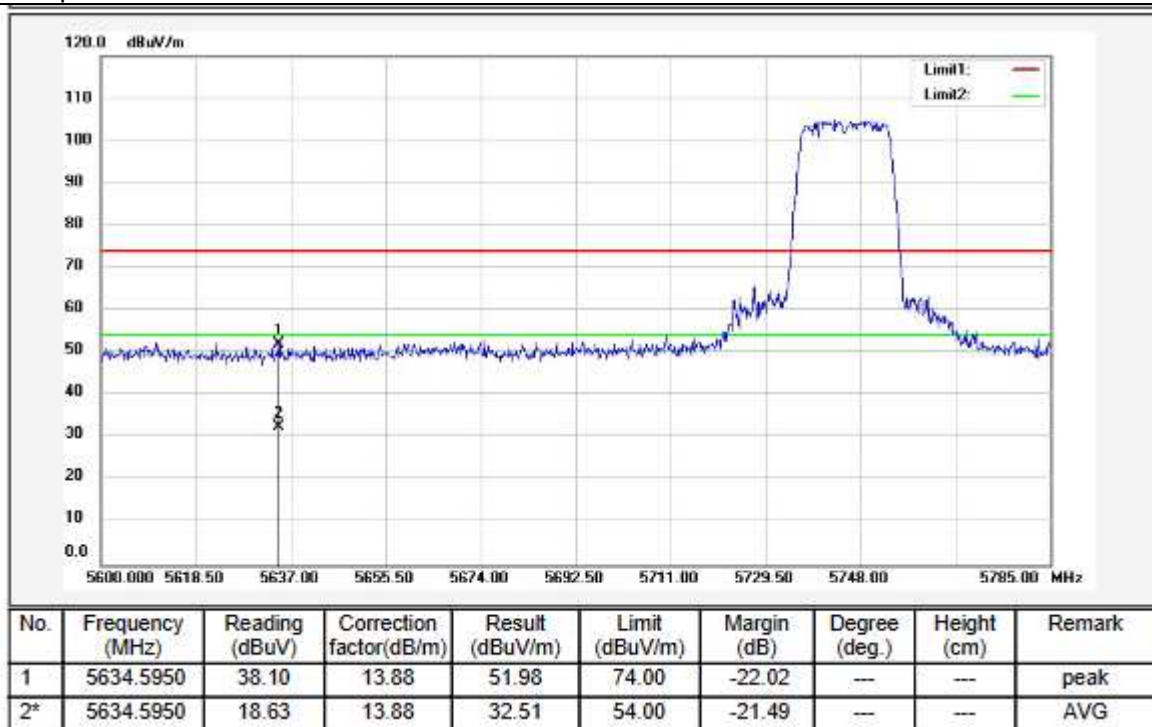
Horizontal polarization of 5700 MHz



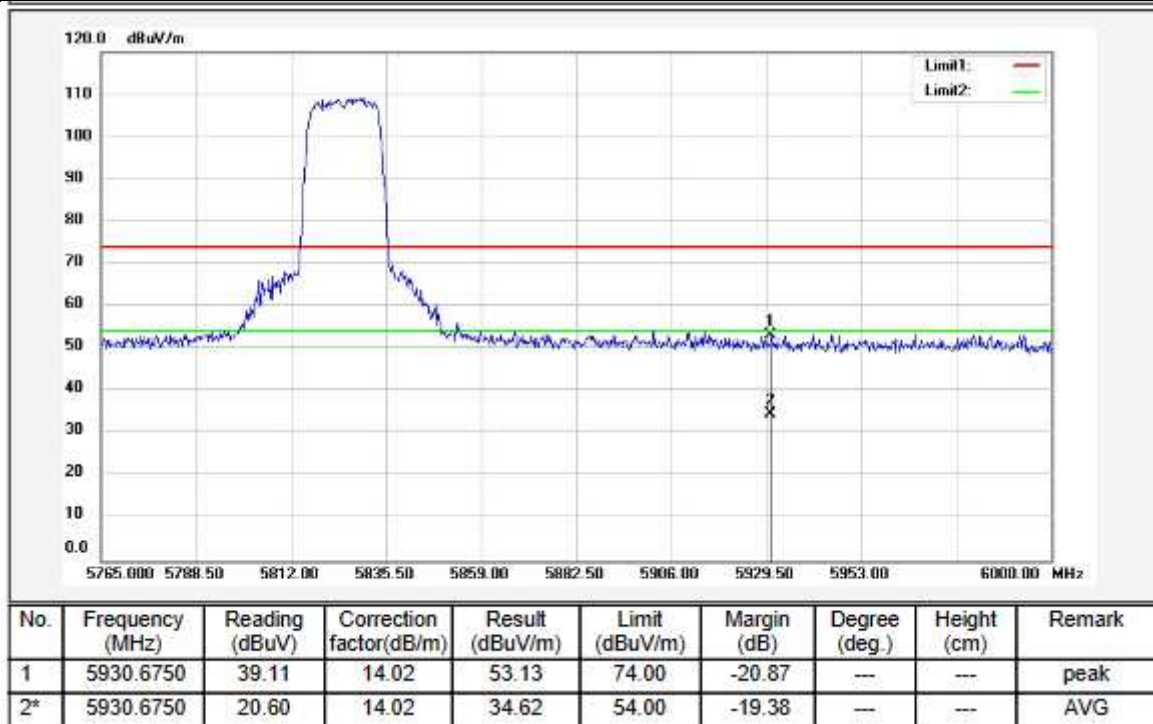
Vertical polarization of 5745 MHz



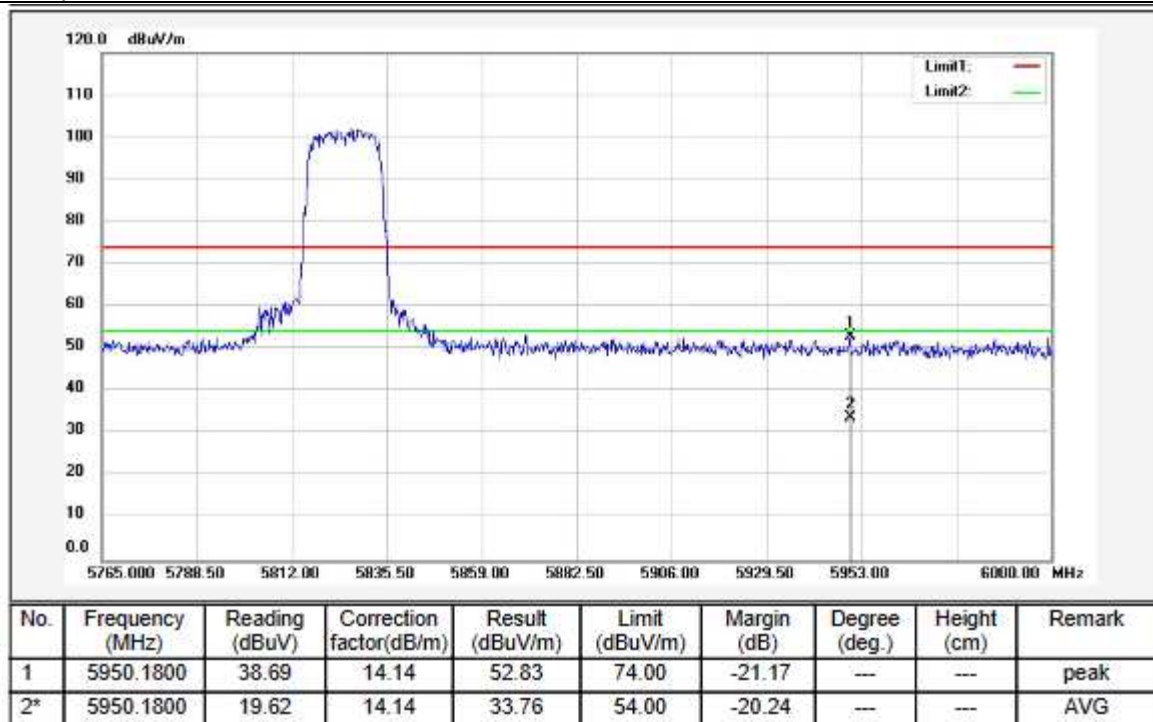
Horizontal polarization of 5745 MHz



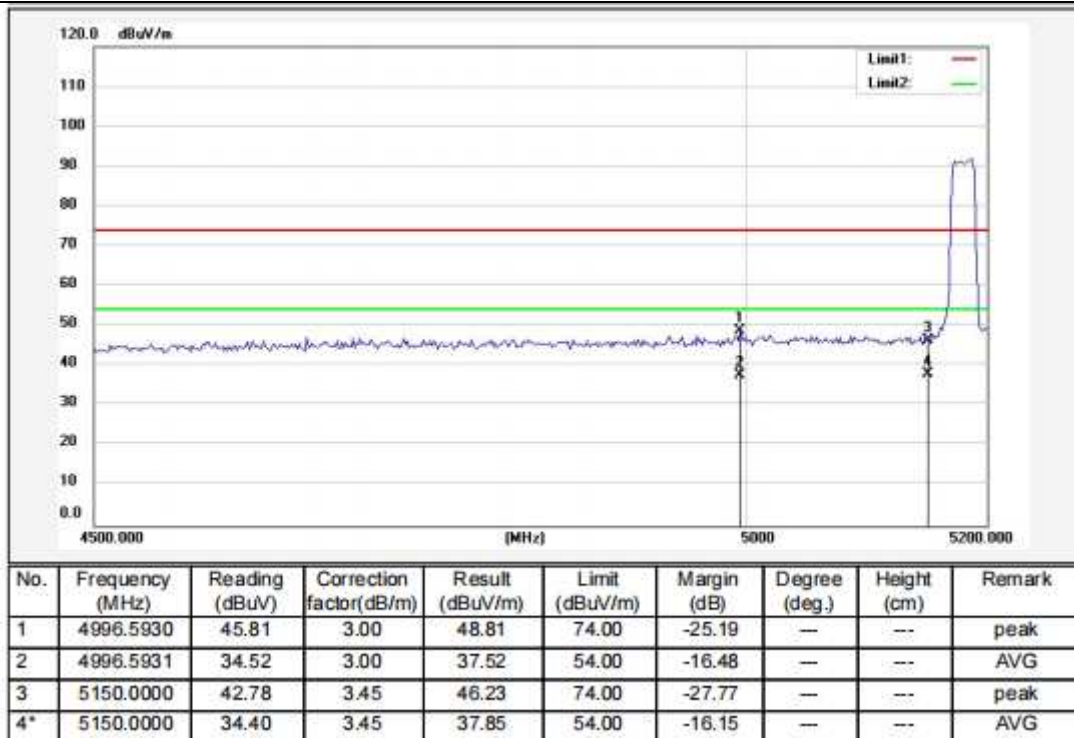
Vertical polarization of 5825 MHz



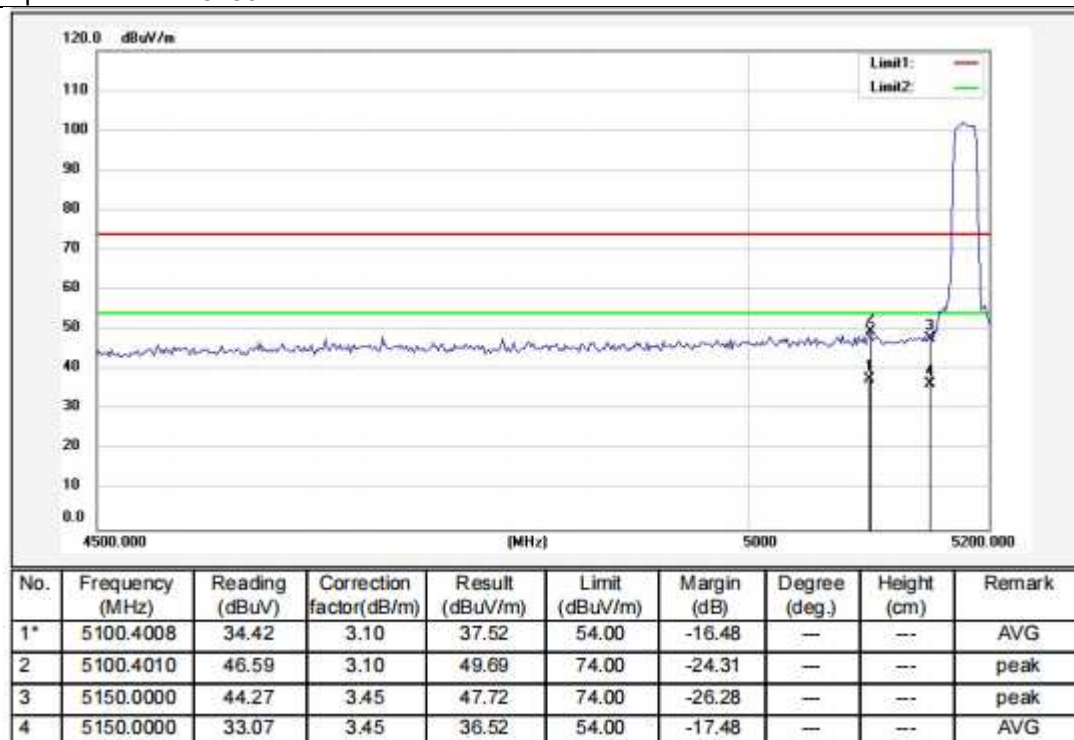
Horizontal polarization of 5825 MHz



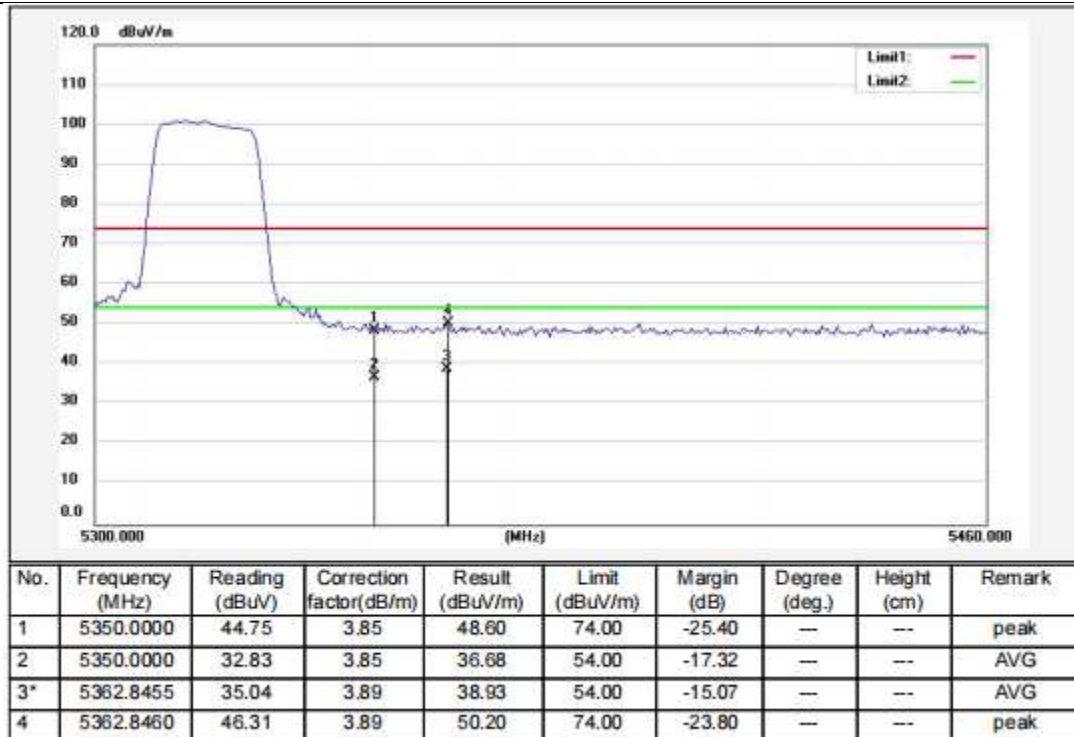
Wi-Fi 802.11ac(VHT20) mode, MCS0
Vertical polarization of 5180 MHz



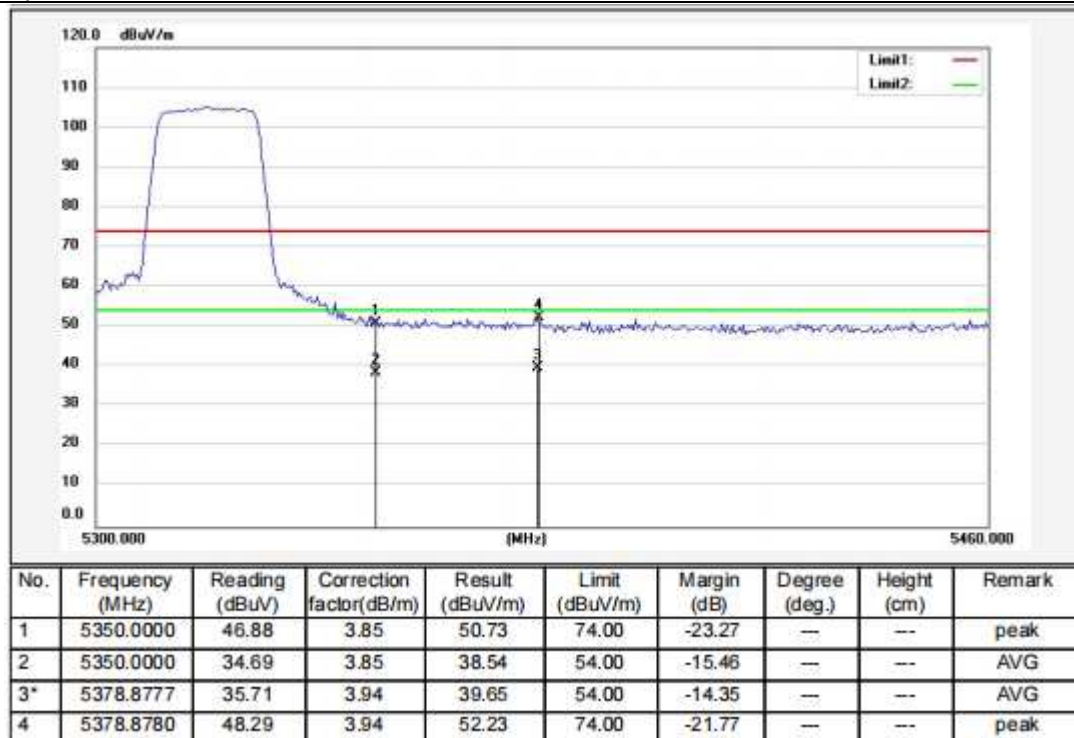
Horizontal polarization of 5180 MHz



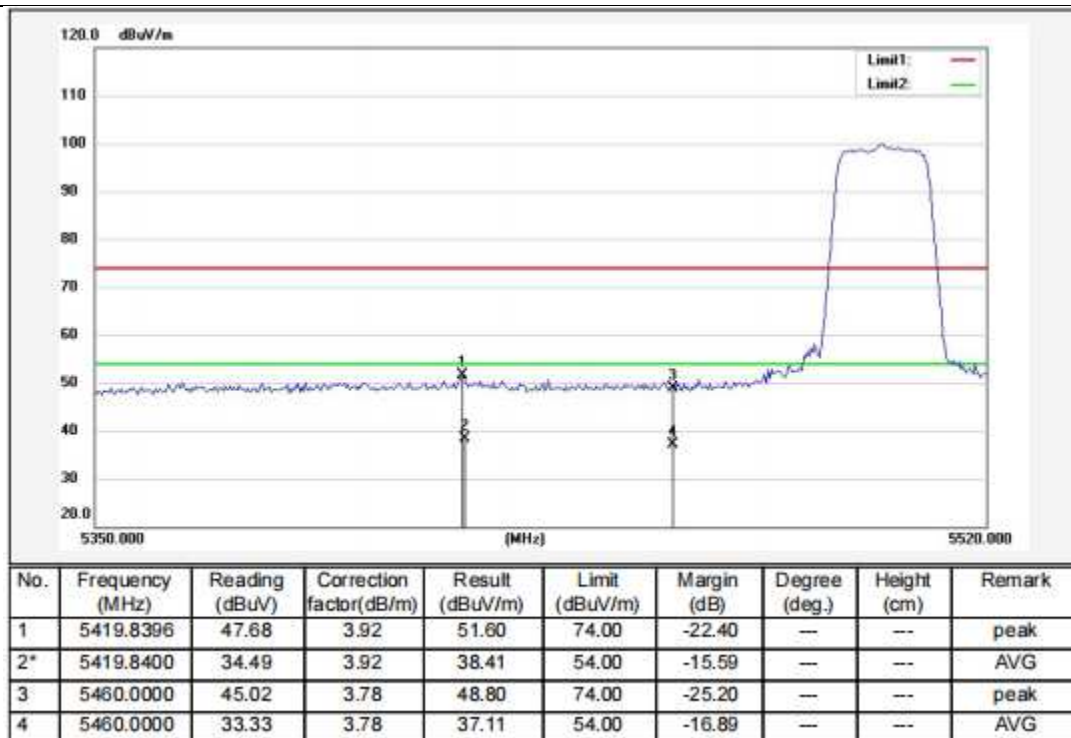
Vertical polarization of 5320 MHz



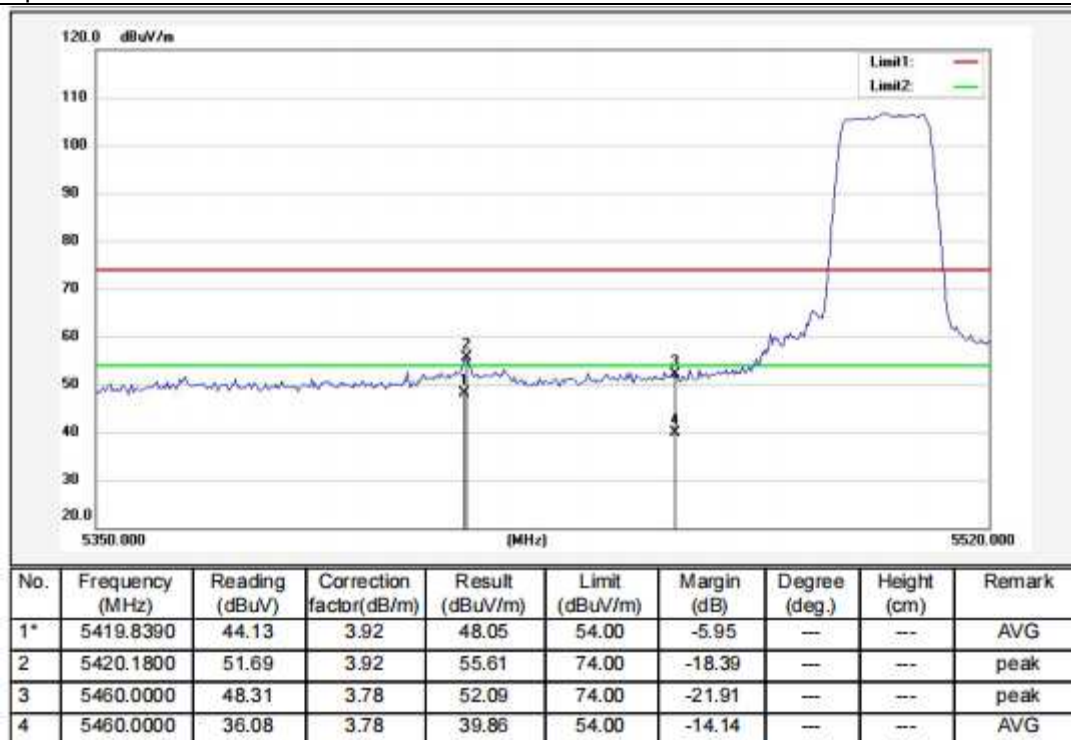
Horizontal polarization of 5320 MHz



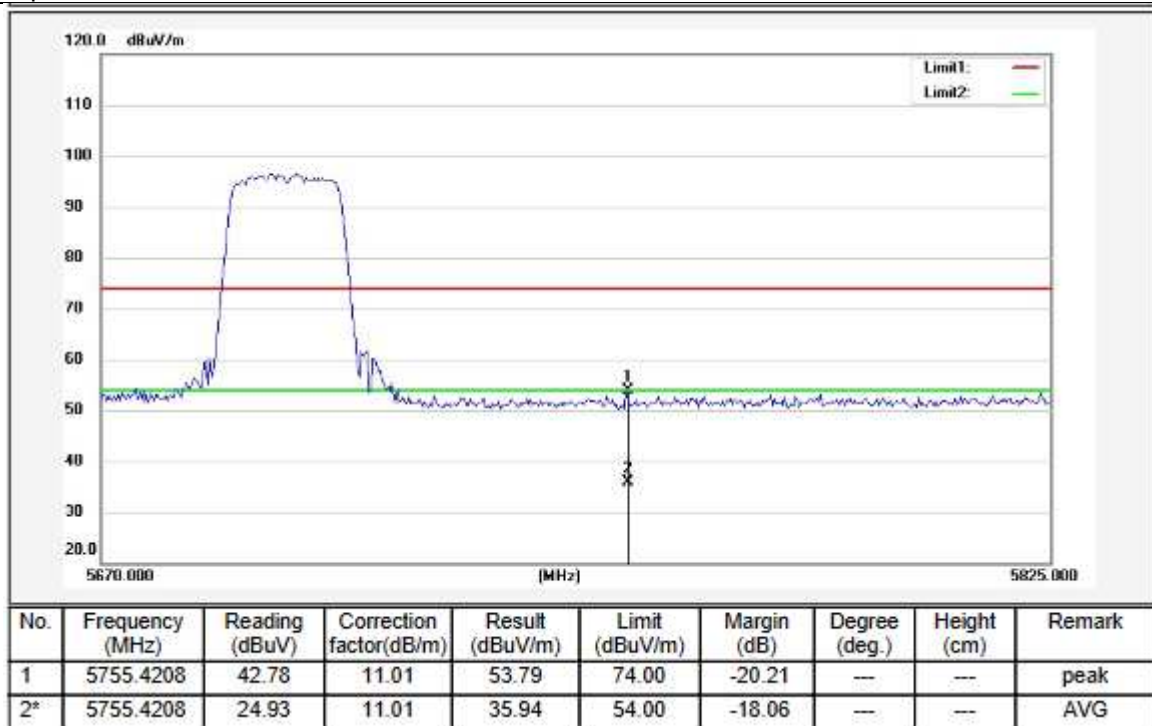
Vertical polarization of 5500 MHz



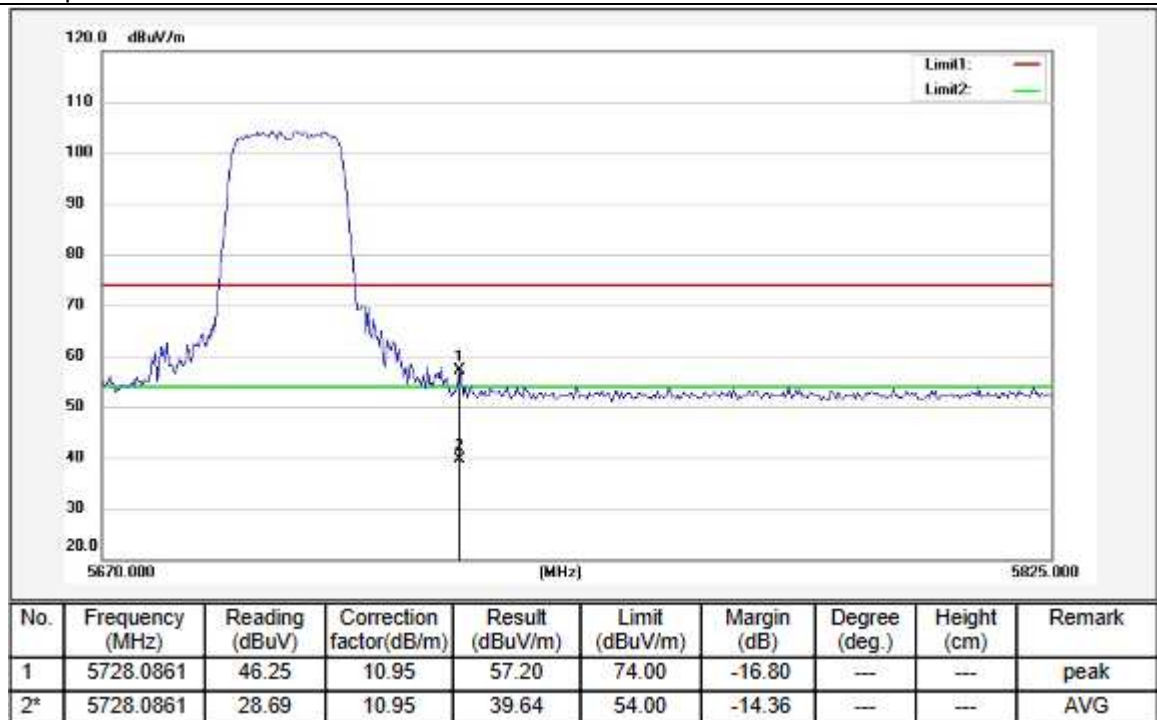
Horizontal polarization of 5500 MHz



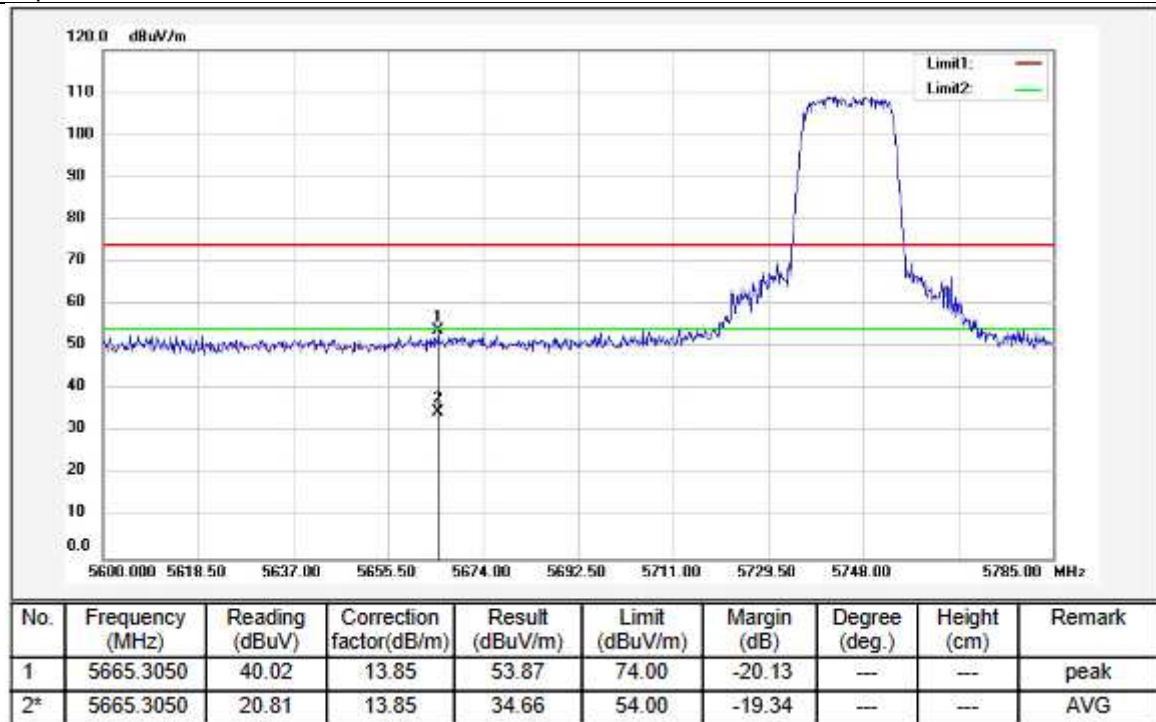
Vertical polarization of 5700 MHz



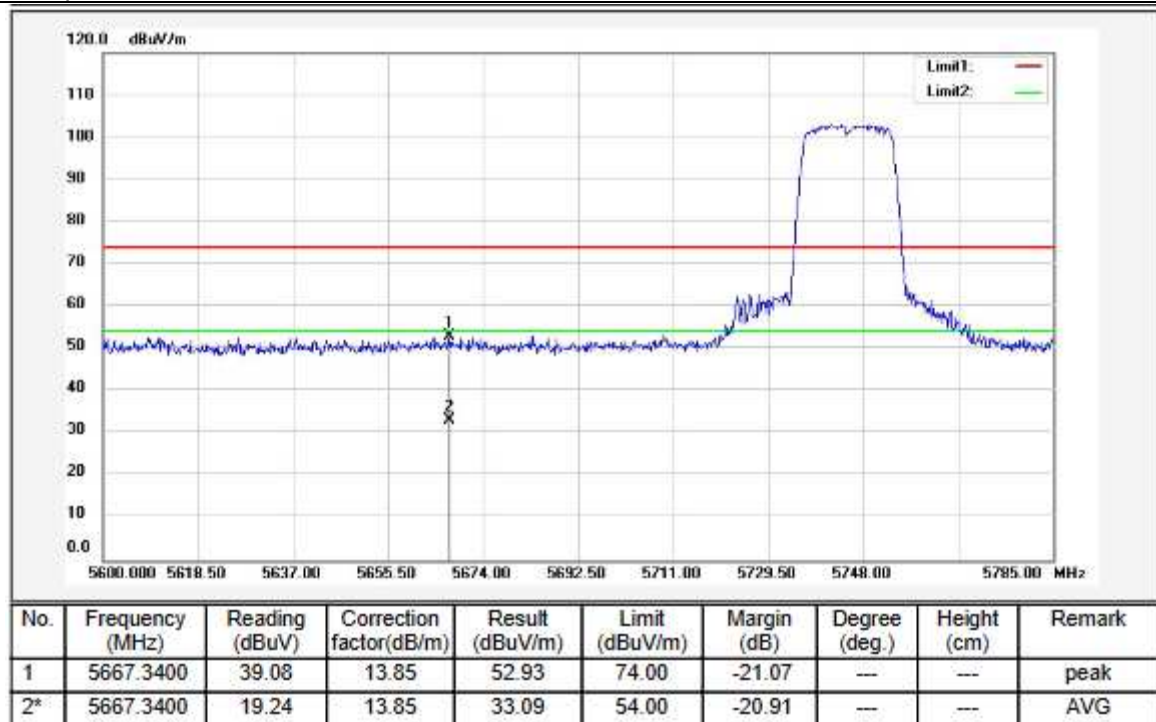
Horizontal polarization of 5700 MHz



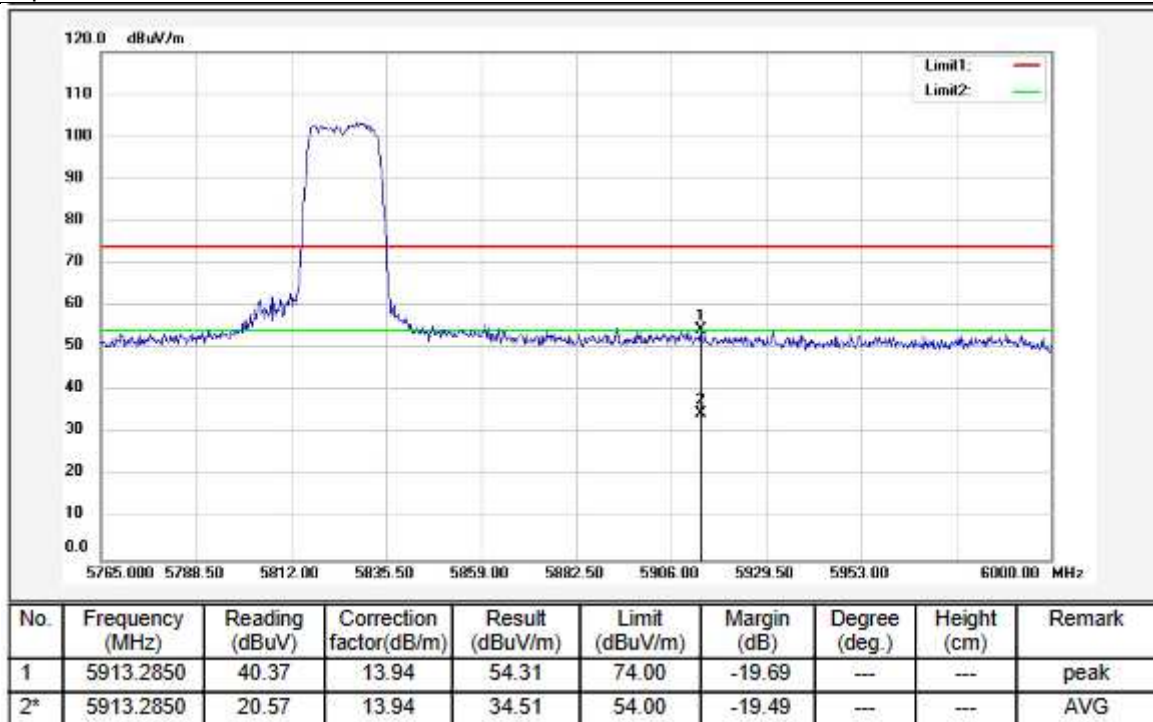
Vertical polarization of 5745 MHz



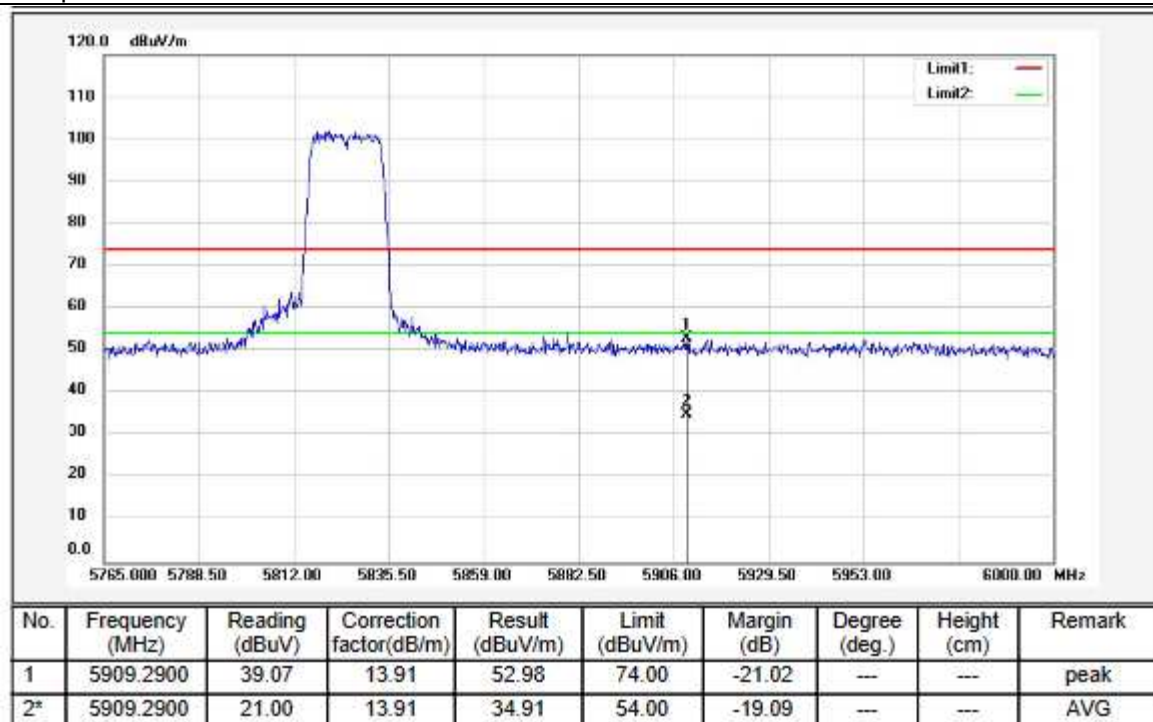
Horizontal polarization of 5745 MHz



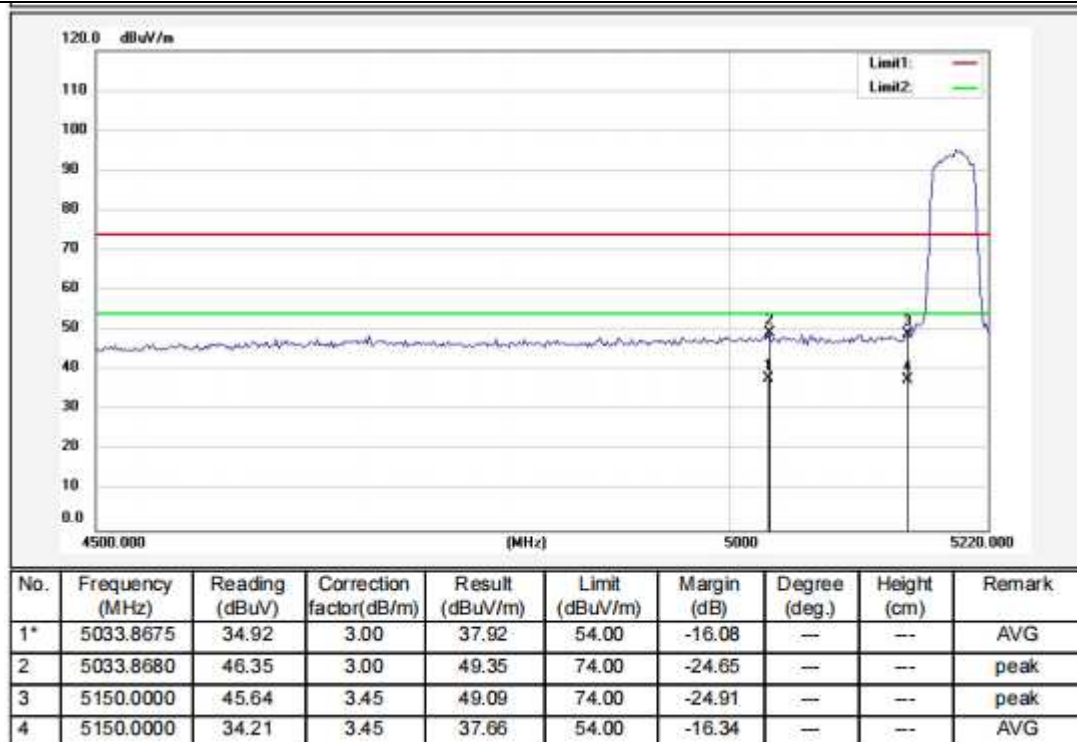
Vertical polarization of 5825 MHz



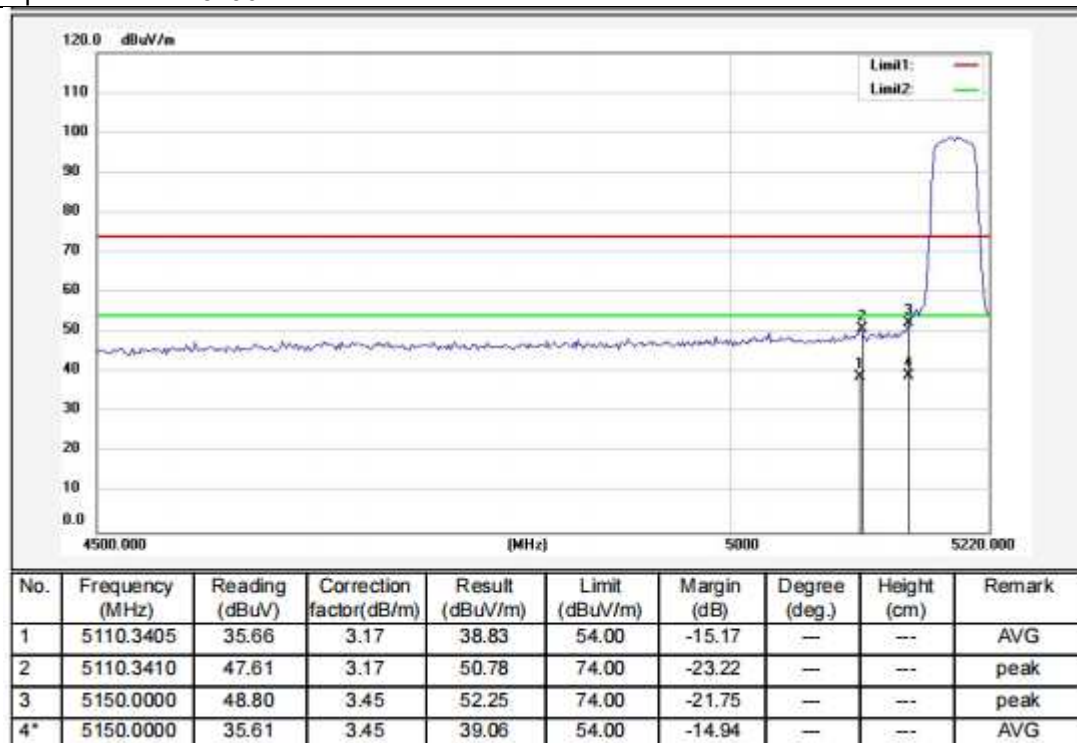
Horizontal polarization of 5825 MHz



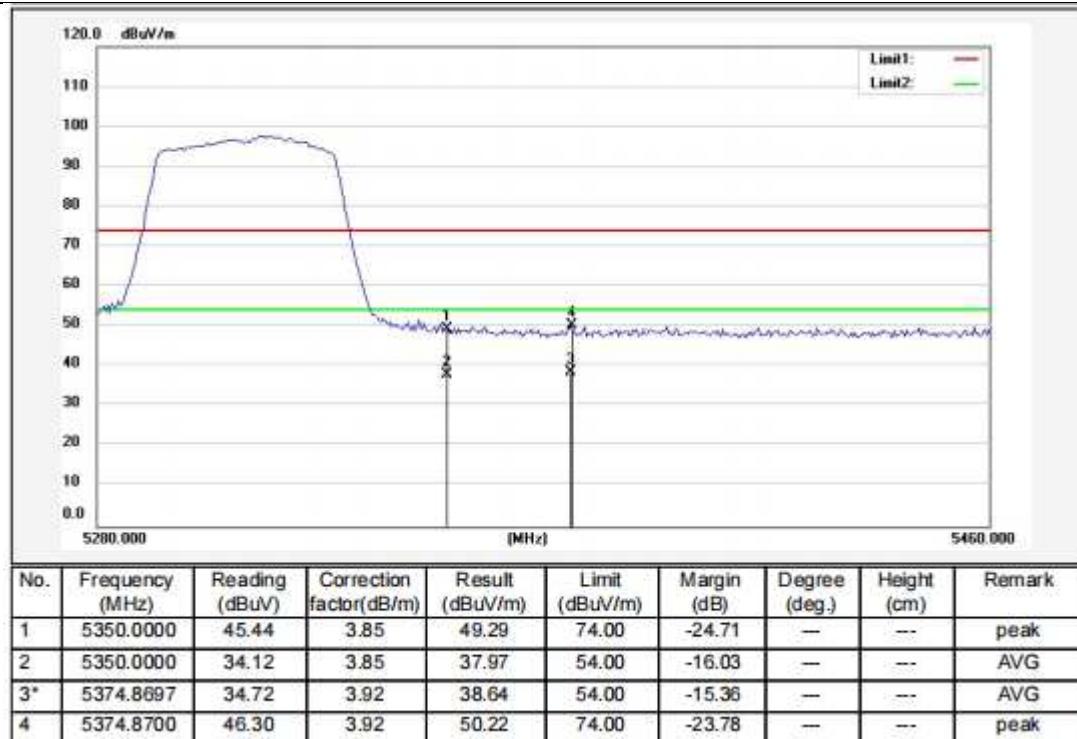
Wi-Fi 802.11n(HT40) mode, MCS0
Vertical polarization of 5190 MHz



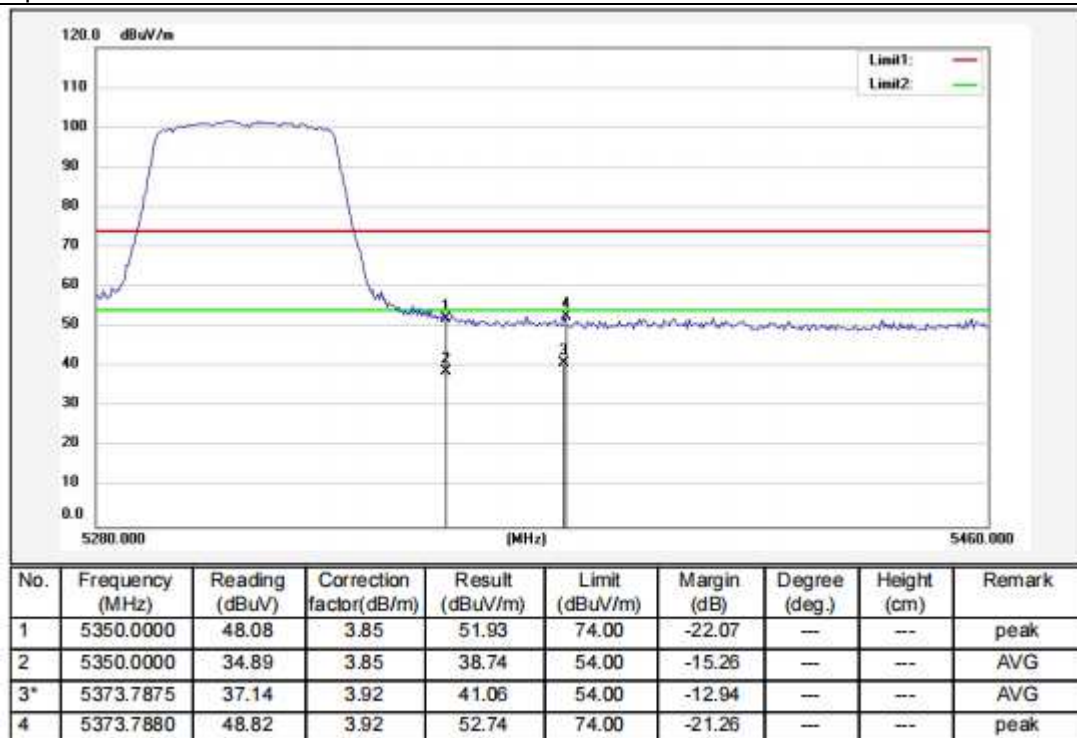
Horizontal polarization of 5190 MHz



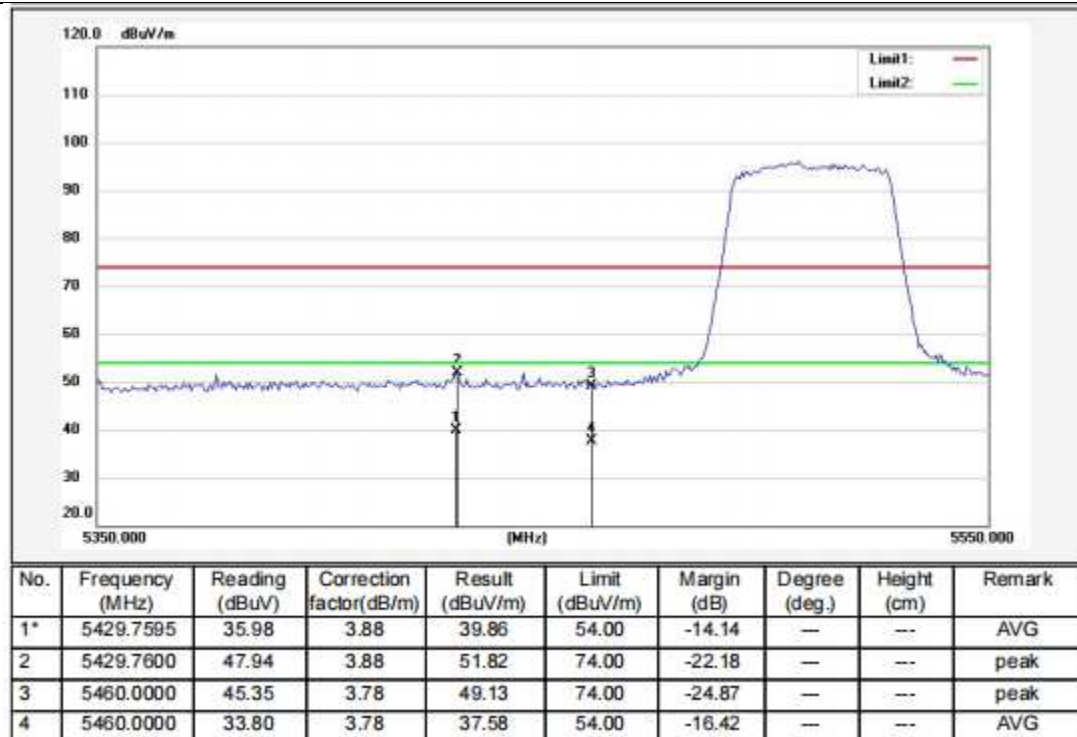
Vertical polarization of 5310 MHz



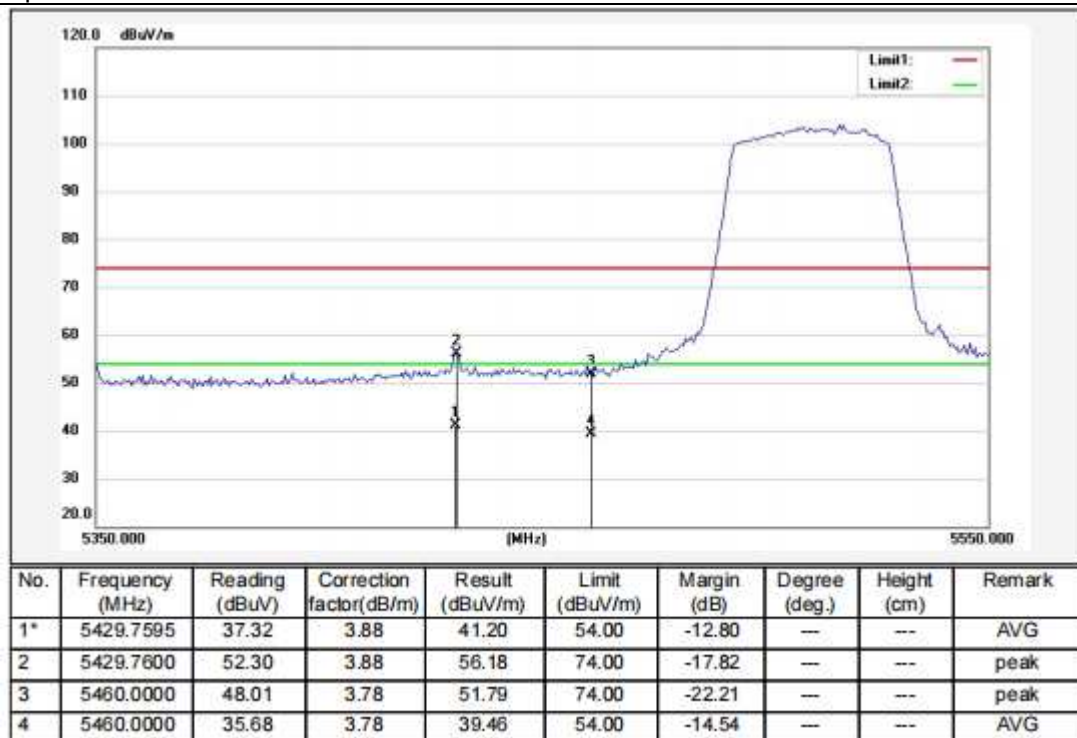
Horizontal polarization of 5310 MHz



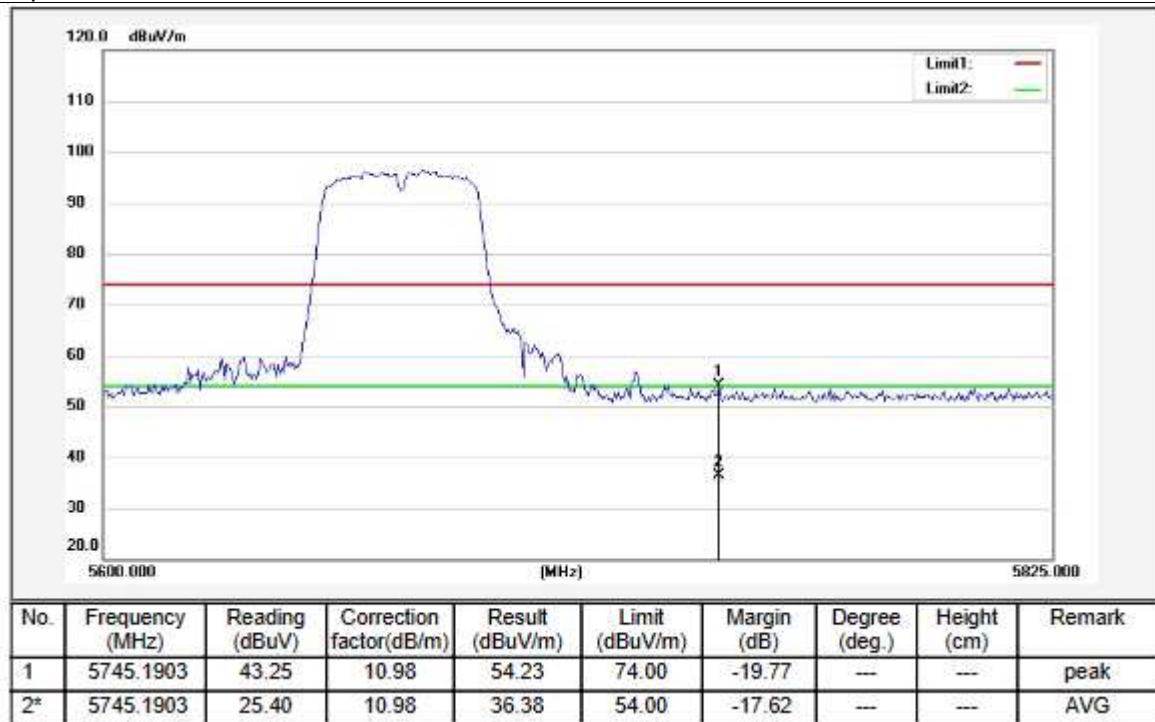
Vertical polarization of 5510 MHz



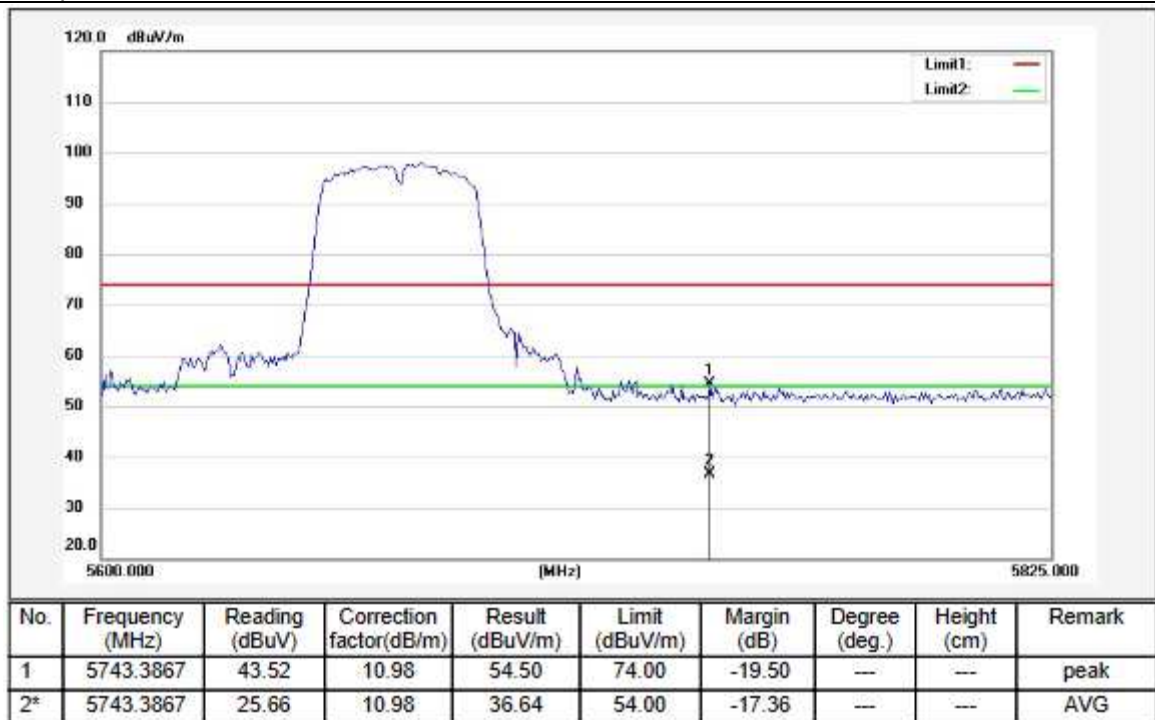
Horizontal polarization of 5510 MHz



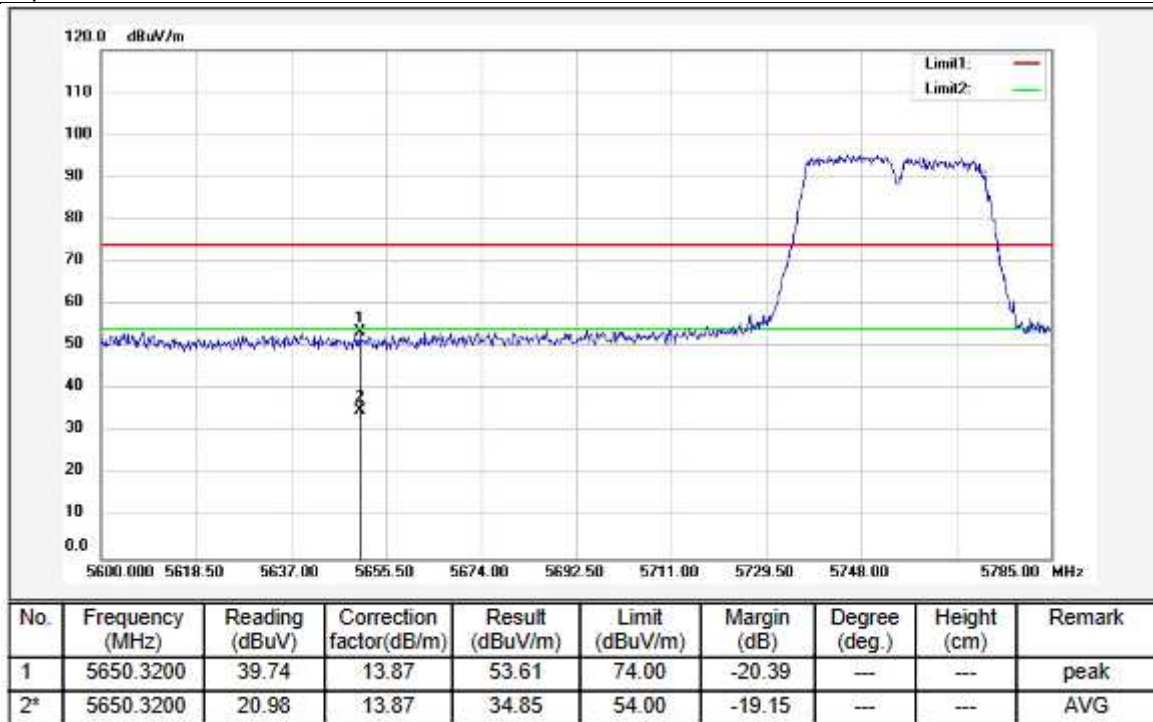
Vertical polarization of 5670 MHz



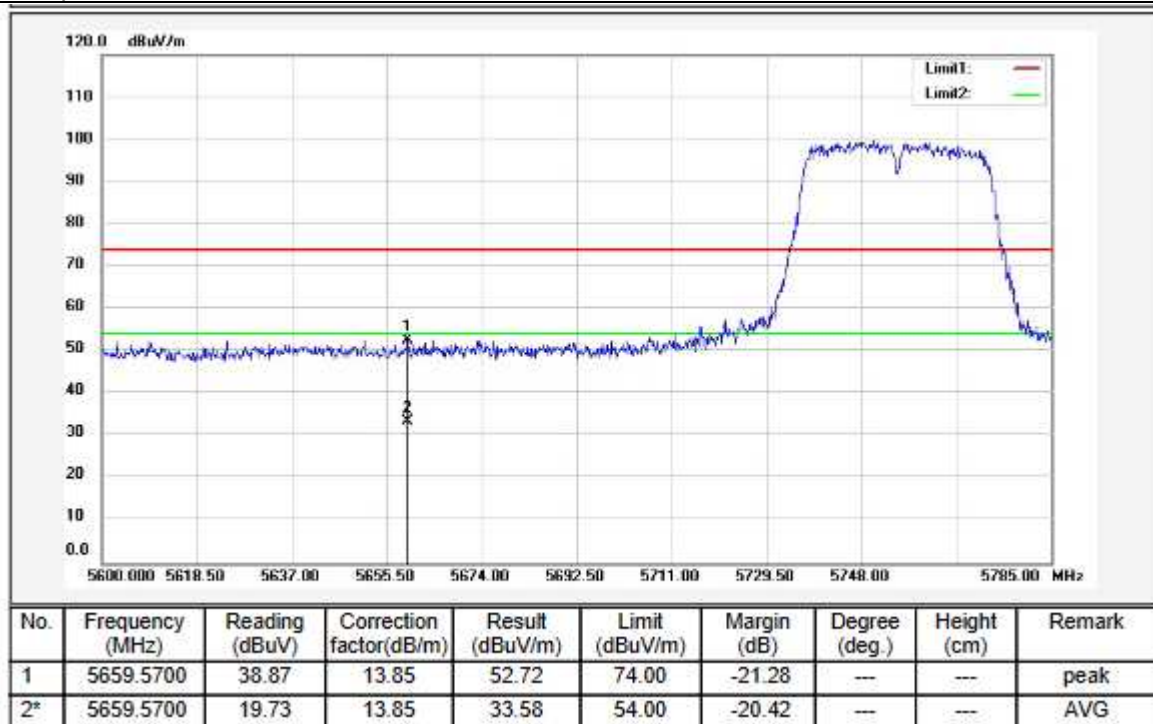
Horizontal polarization of 5670 MHz



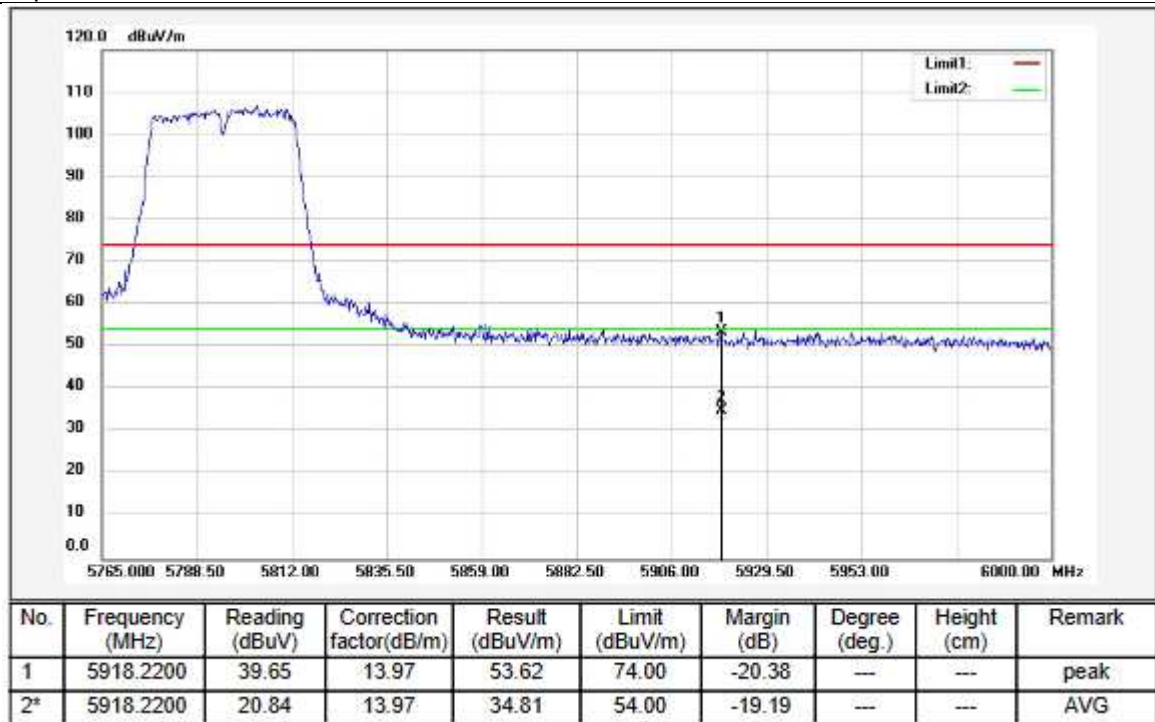
Vertical polarization of 5755 MHz



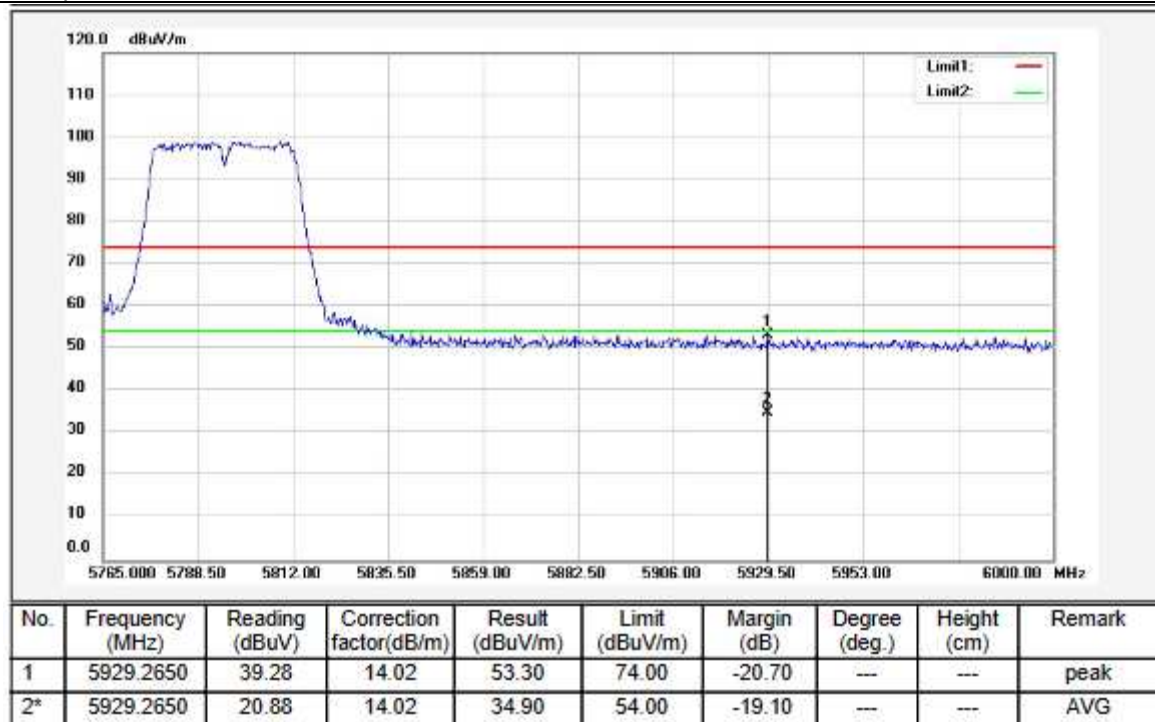
Horizontal polarization of 5755 MHz



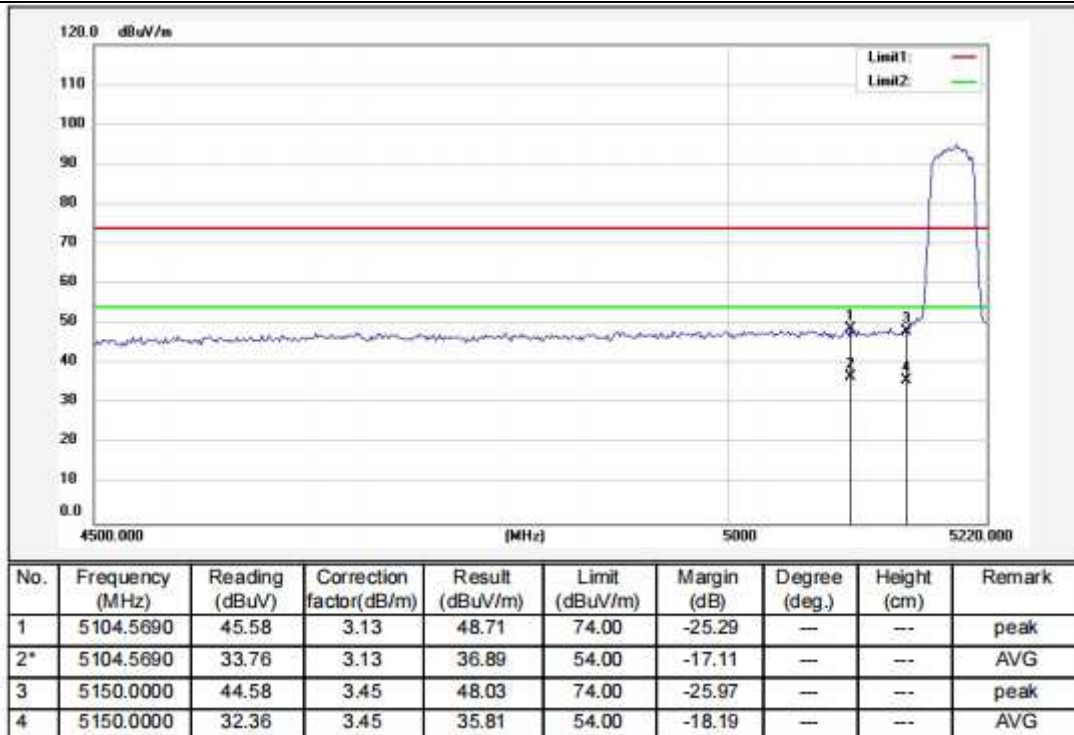
Vertical polarization of 5795 MHz



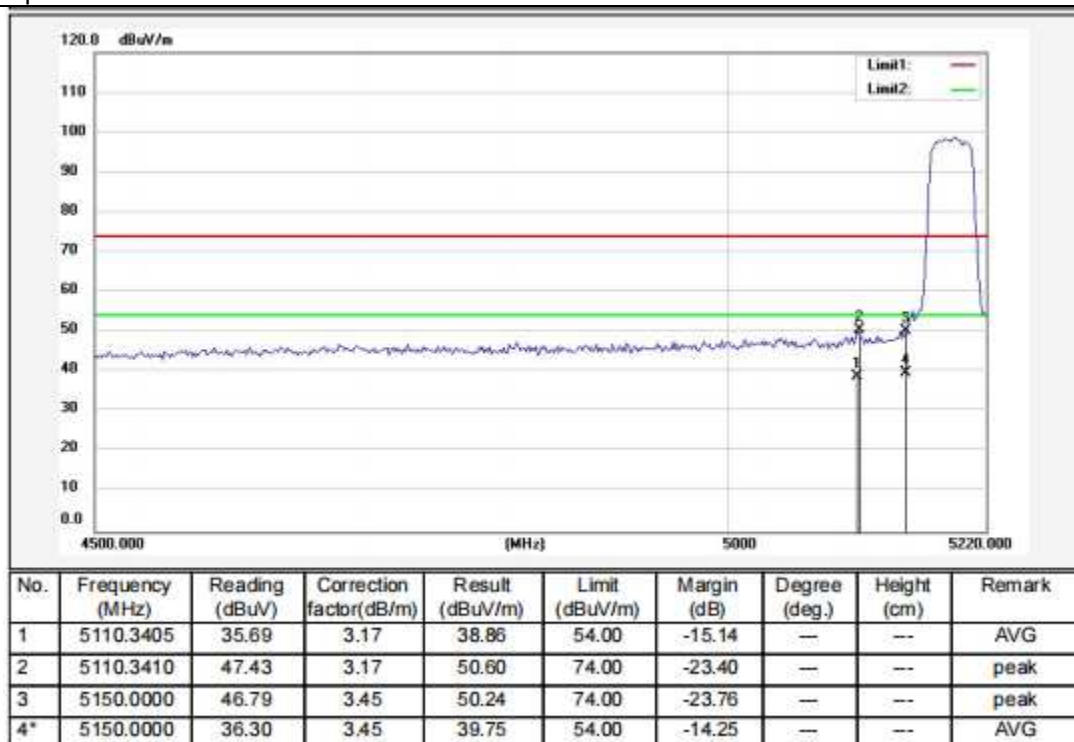
Horizontal polarization of 5795 MHz



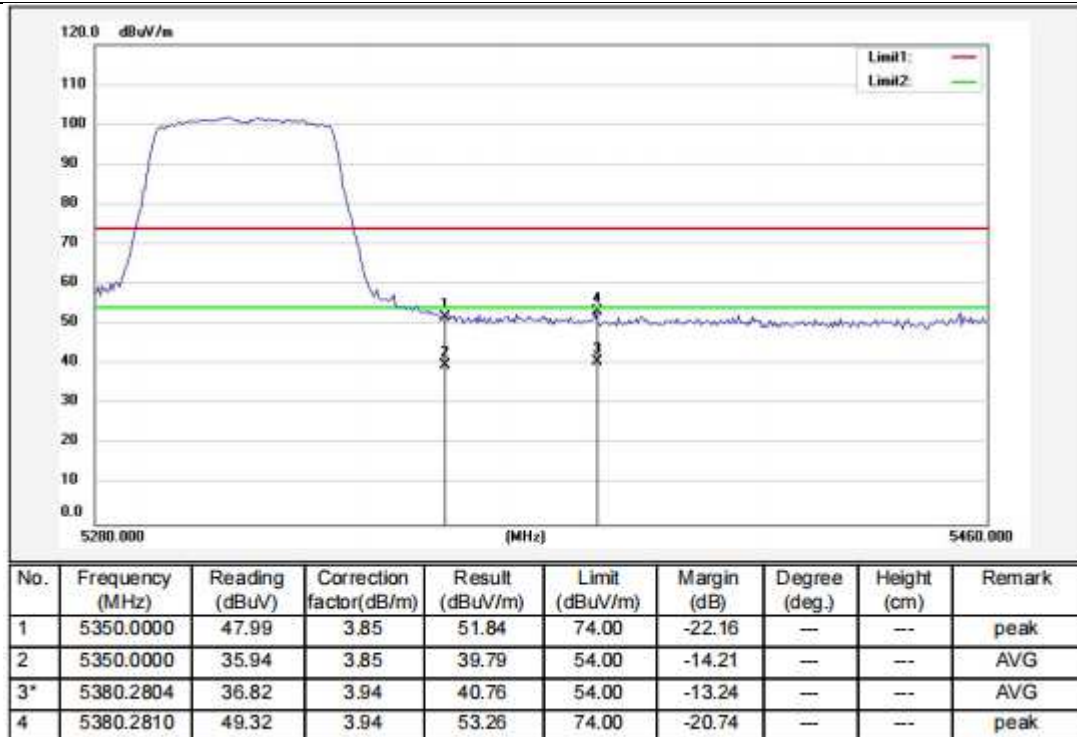
Wi-Fi 802.11 ac(VHT40) mode, MCS0
Vertical polarization of 5190 MHz



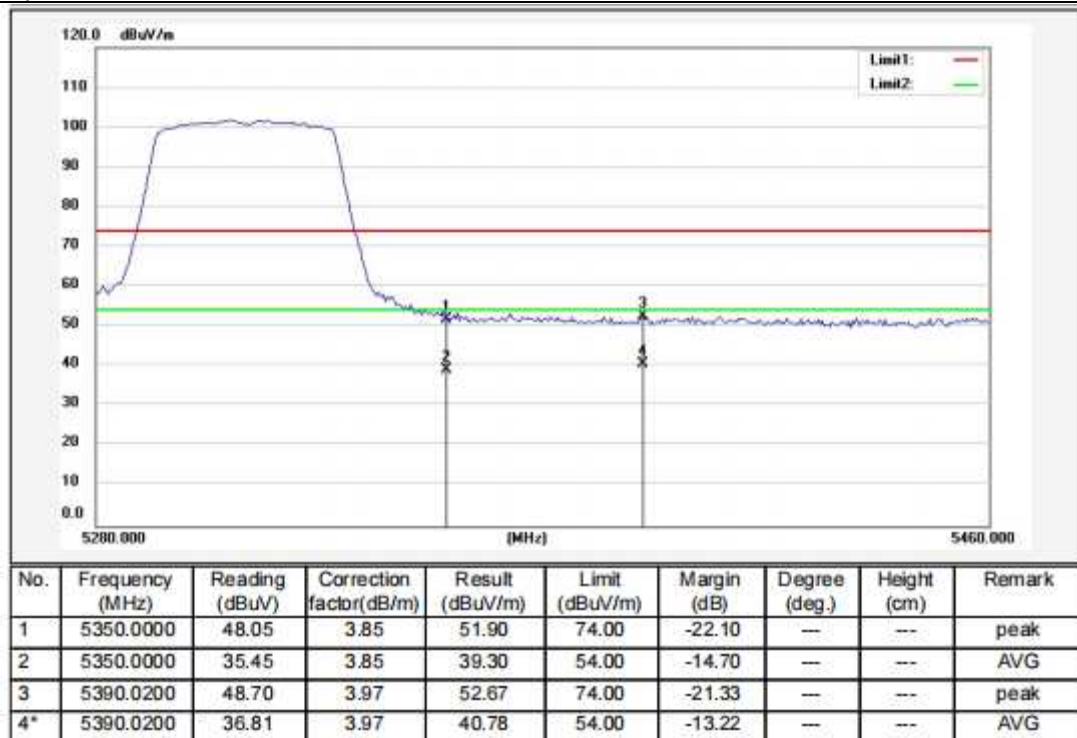
Horizontal polarization of 5190 MHz



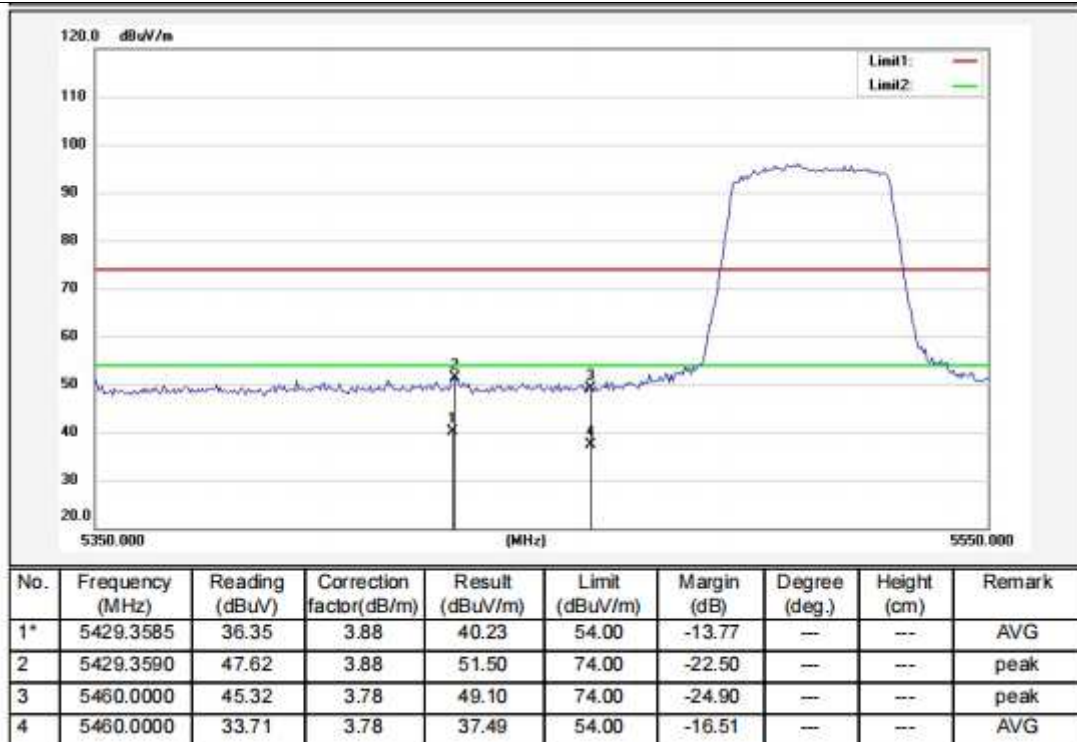
Vertical polarization of 5310 MHz



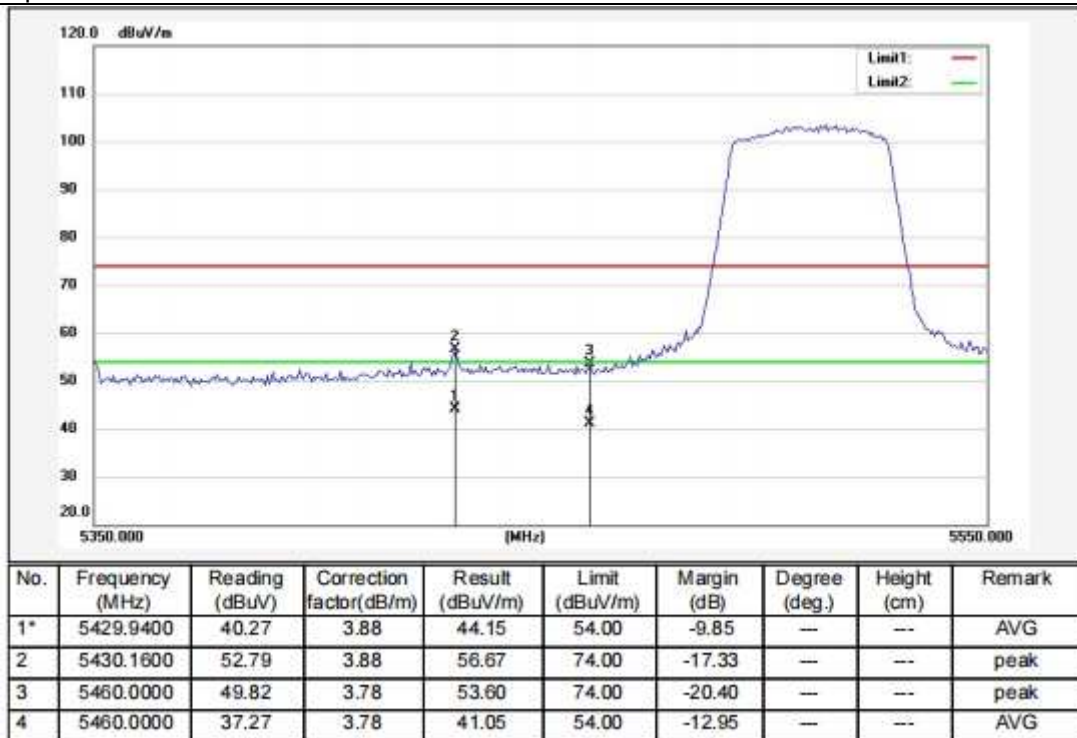
Horizontal polarization of 5310 MHz



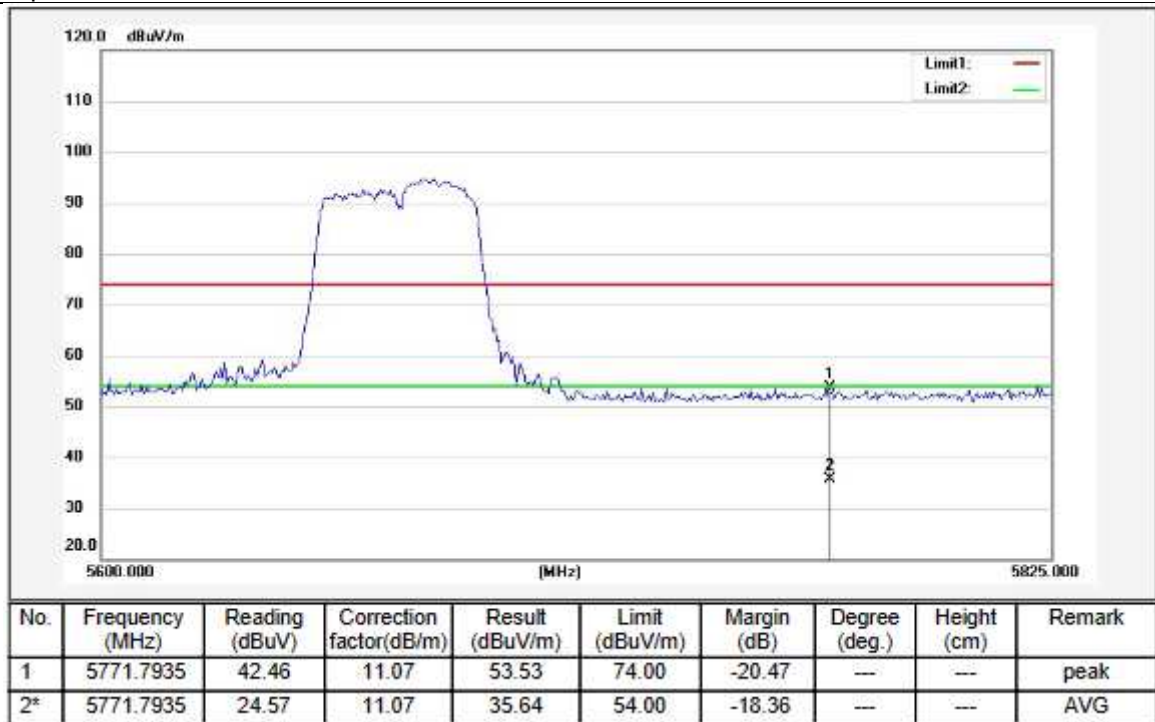
Vertical polarization of 5510 MHz



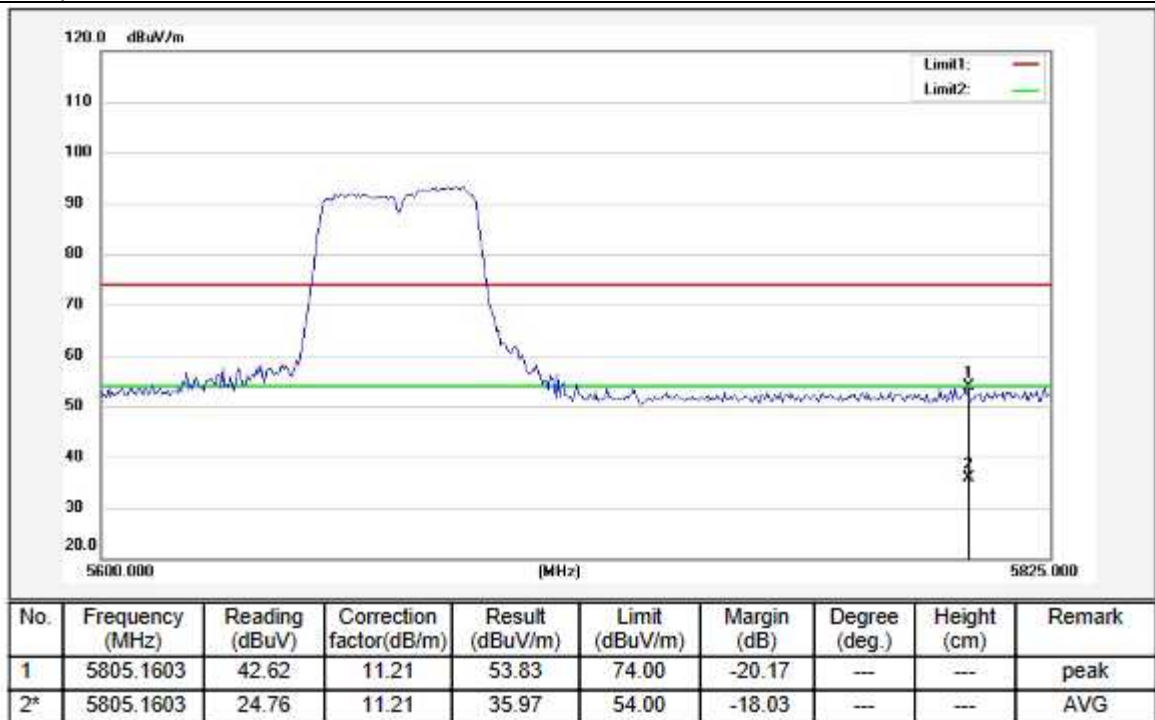
Horizontal polarization of 5510 MHz



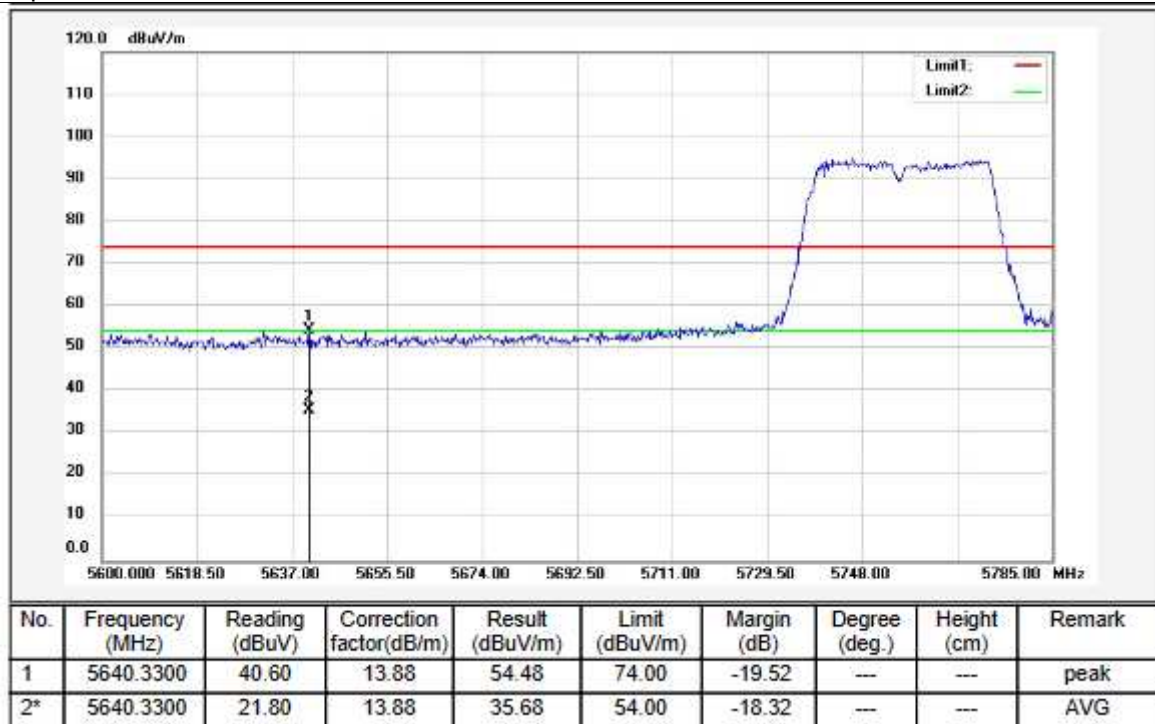
Vertical polarization of 5670 MHz



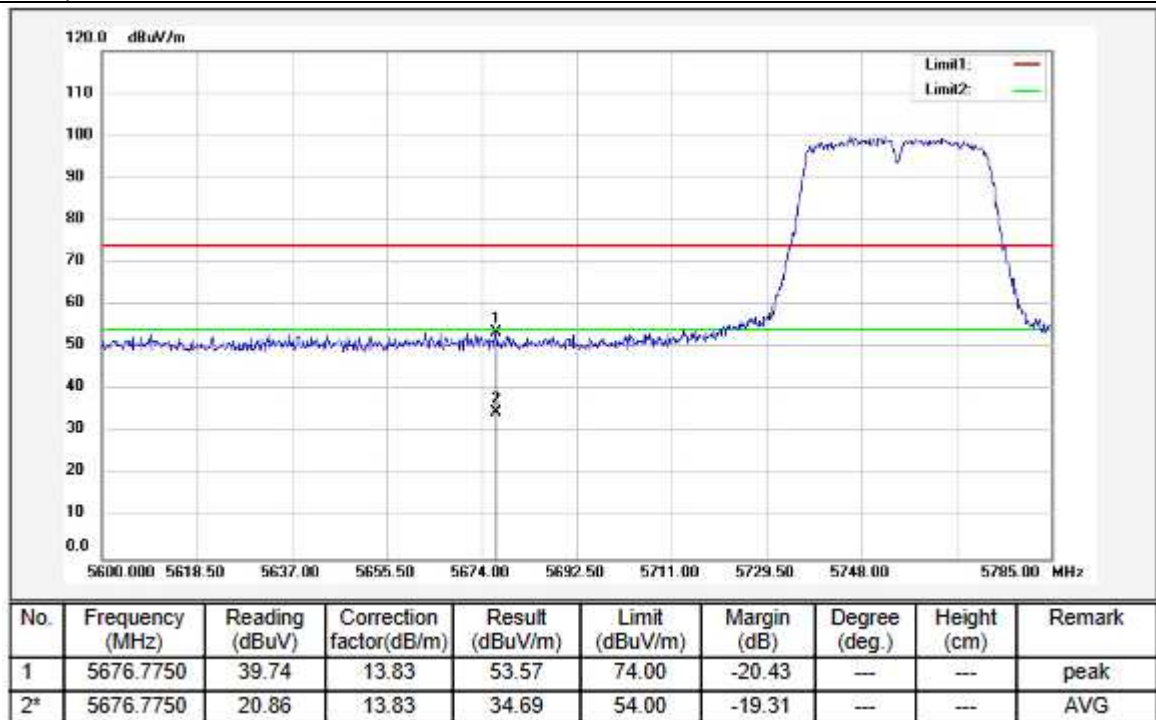
Horizontal polarization of 5670 MHz



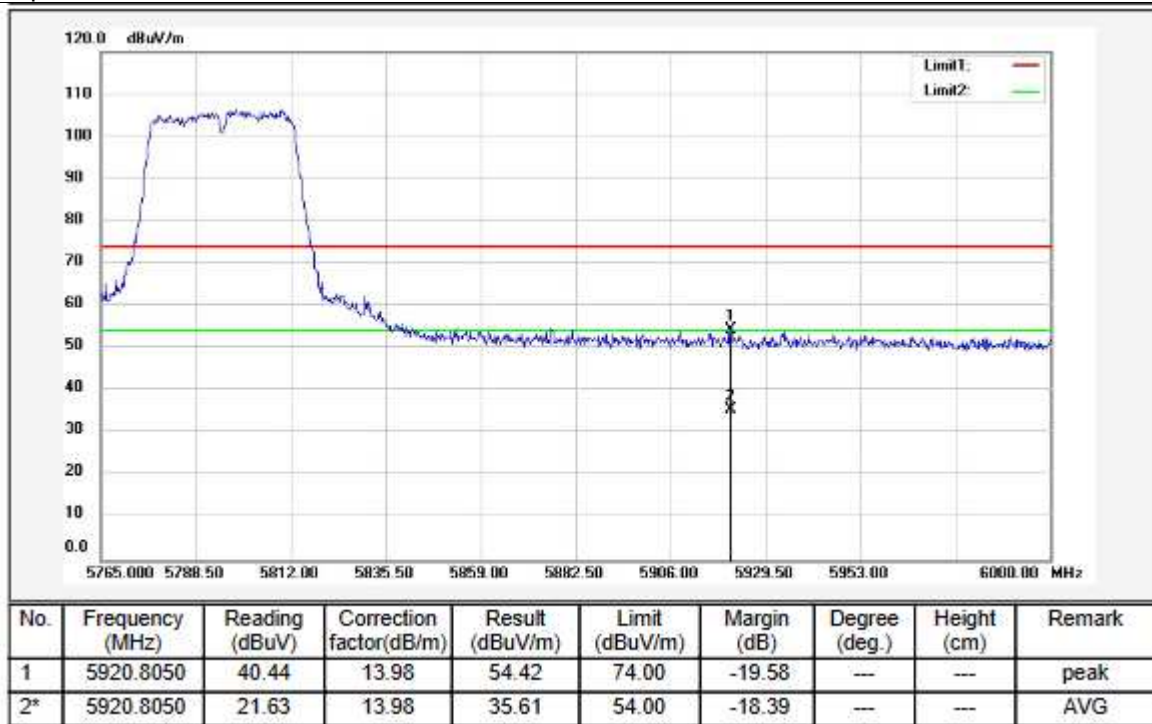
Vertical polarization of 5755 MHz



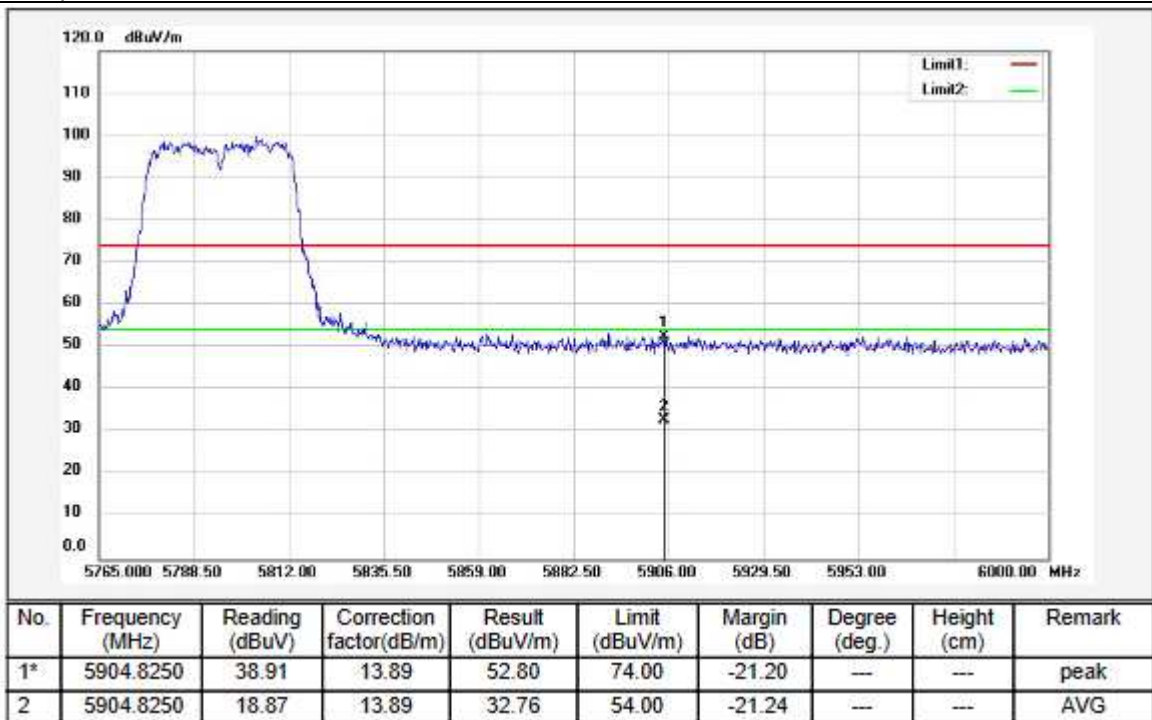
Horizontal polarization of 5755 MHz



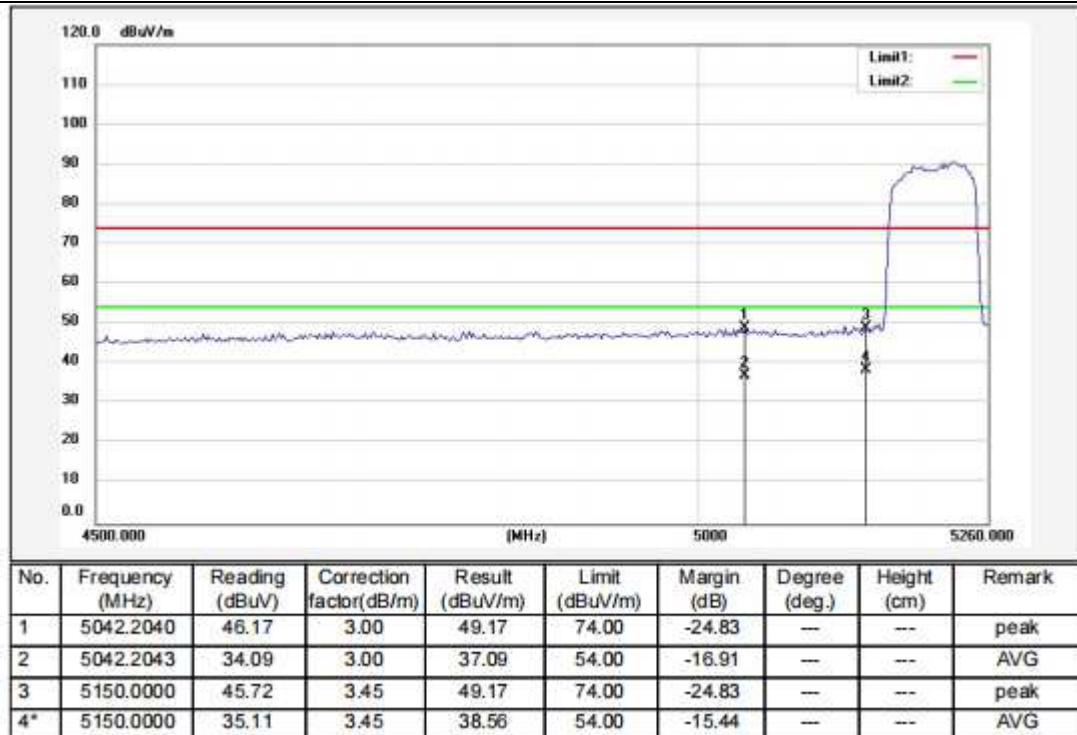
Vertical polarization of 5795 MHz



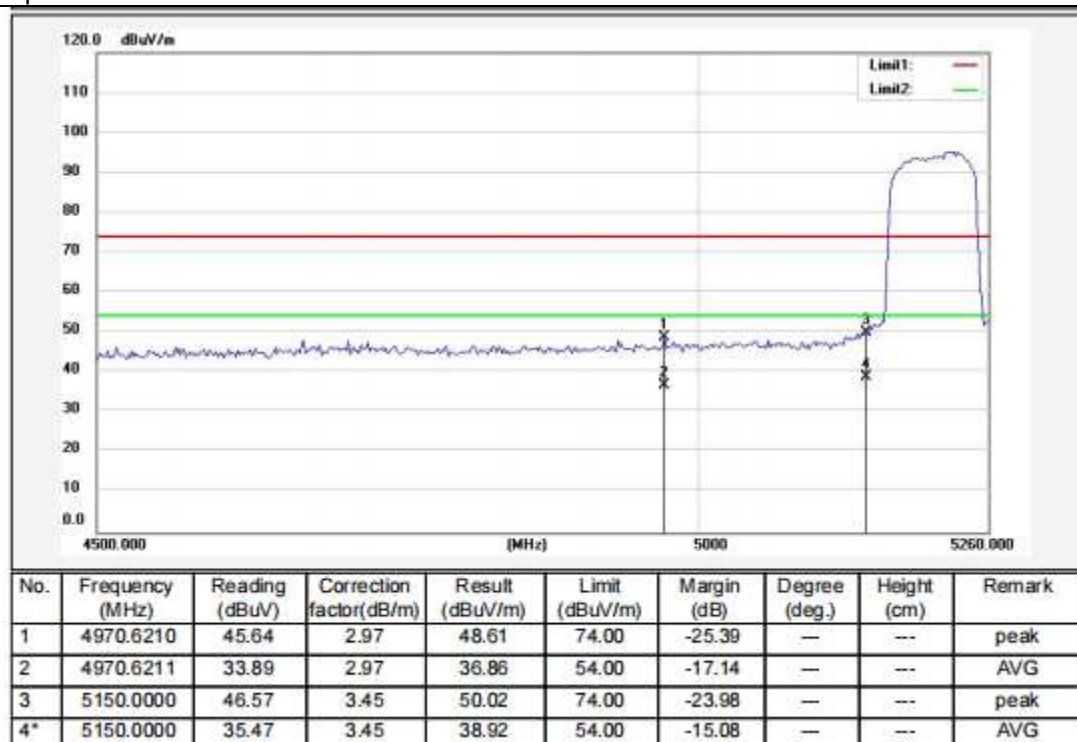
Horizontal polarization of 5795 MHz



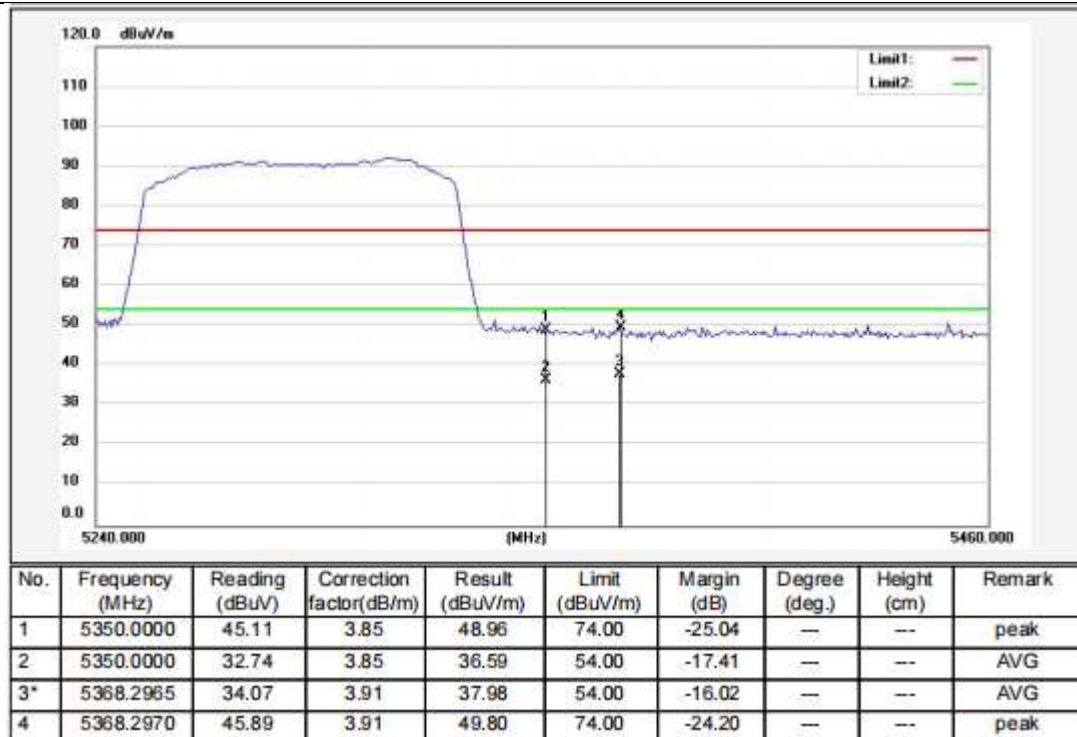
Wi-Fi 802.11 ac(VHT80) mode, MCS0
Vertical polarization of 5210 MHz



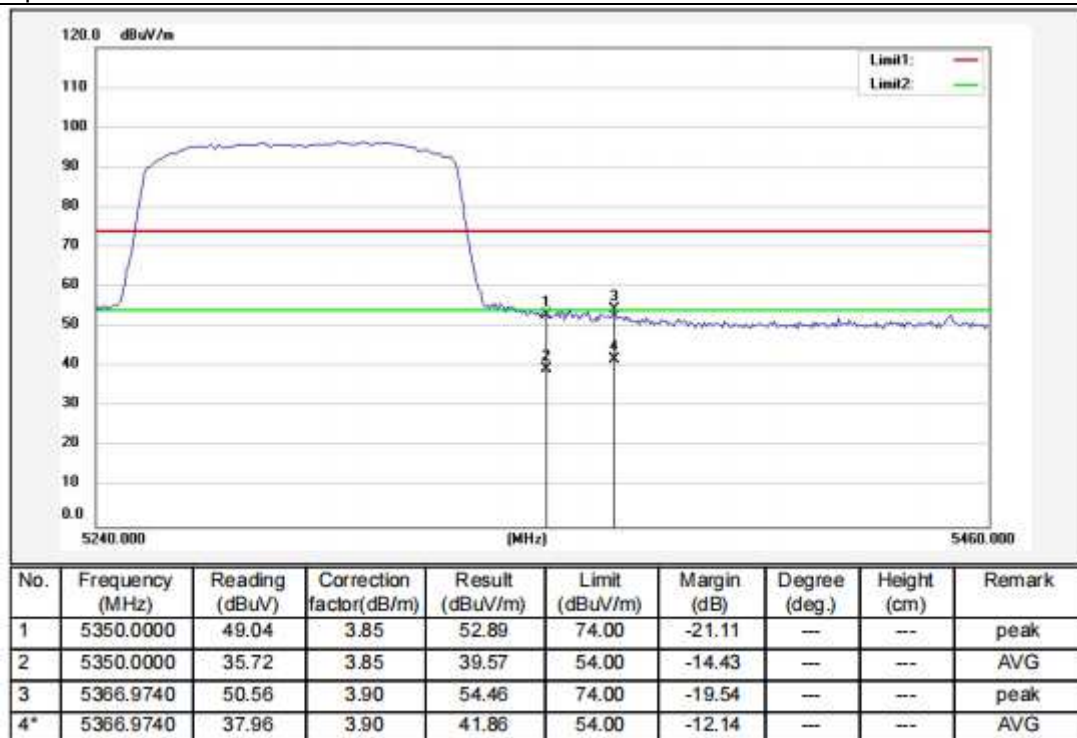
Horizontal polarization of 5210 MHz



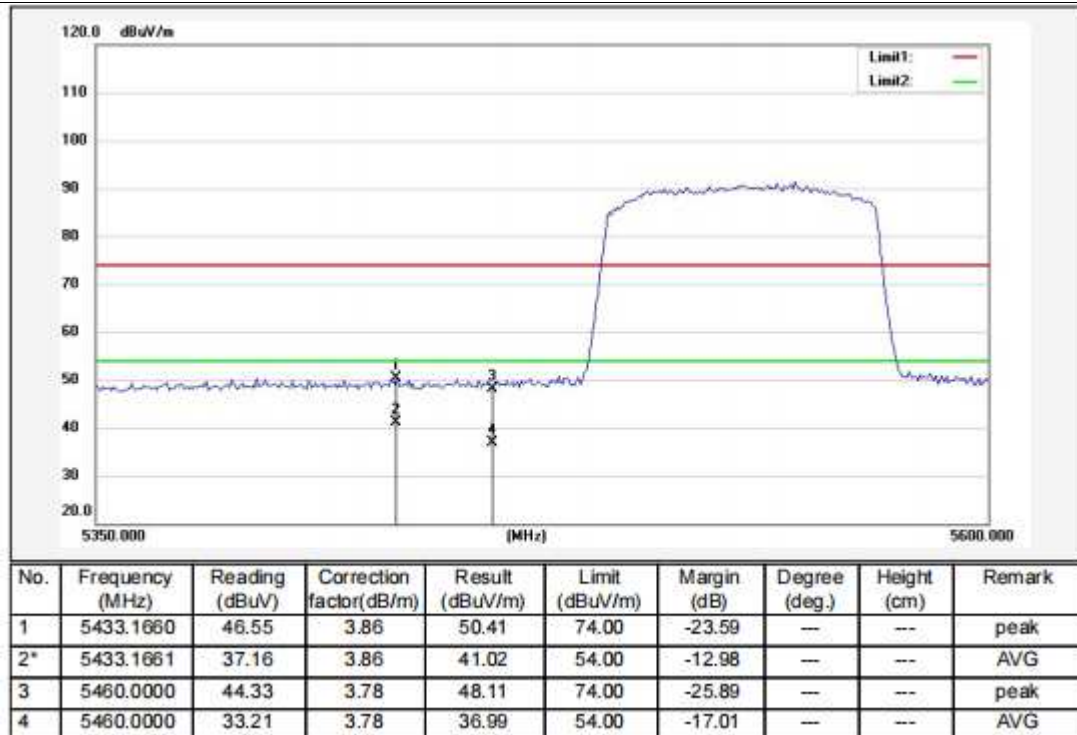
Vertical polarization of 5290 MHz



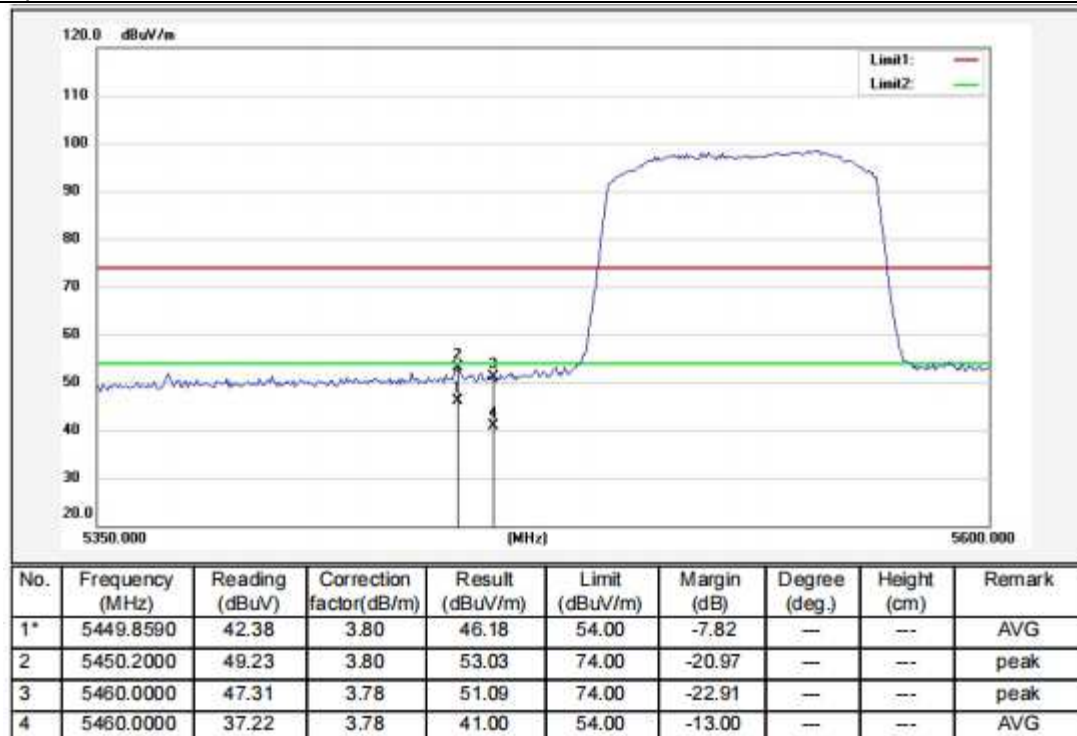
Horizontal polarization of 5290 MHz



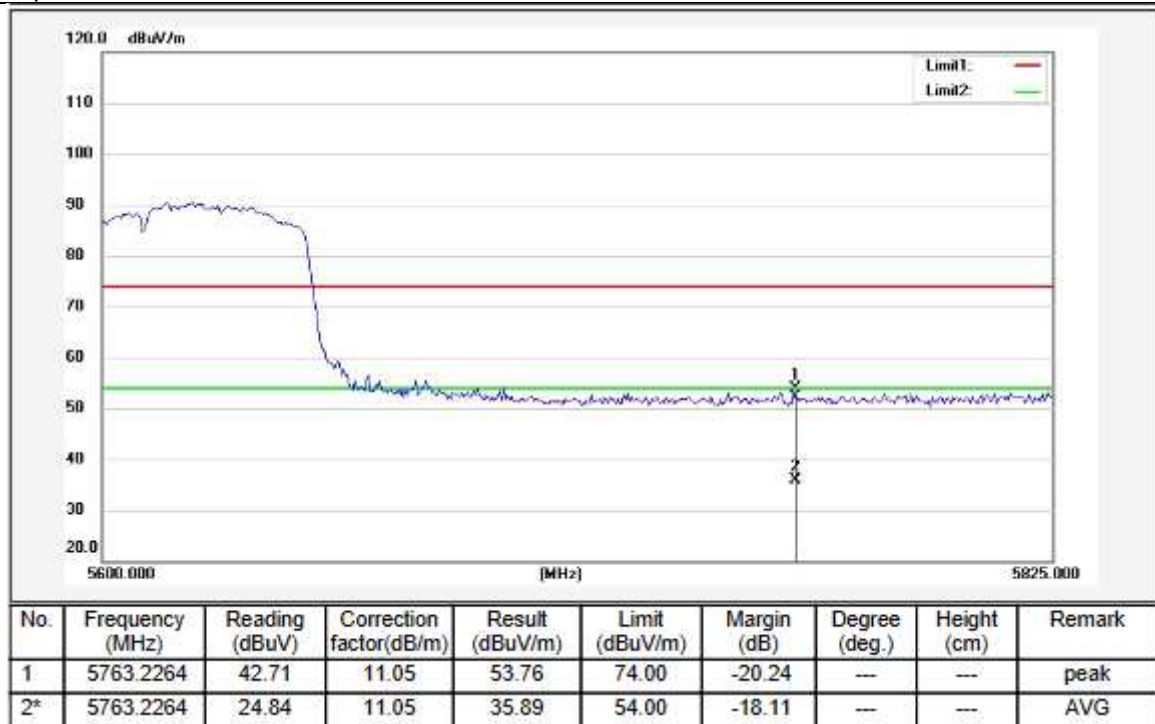
Vertical polarization of 5530 MHz



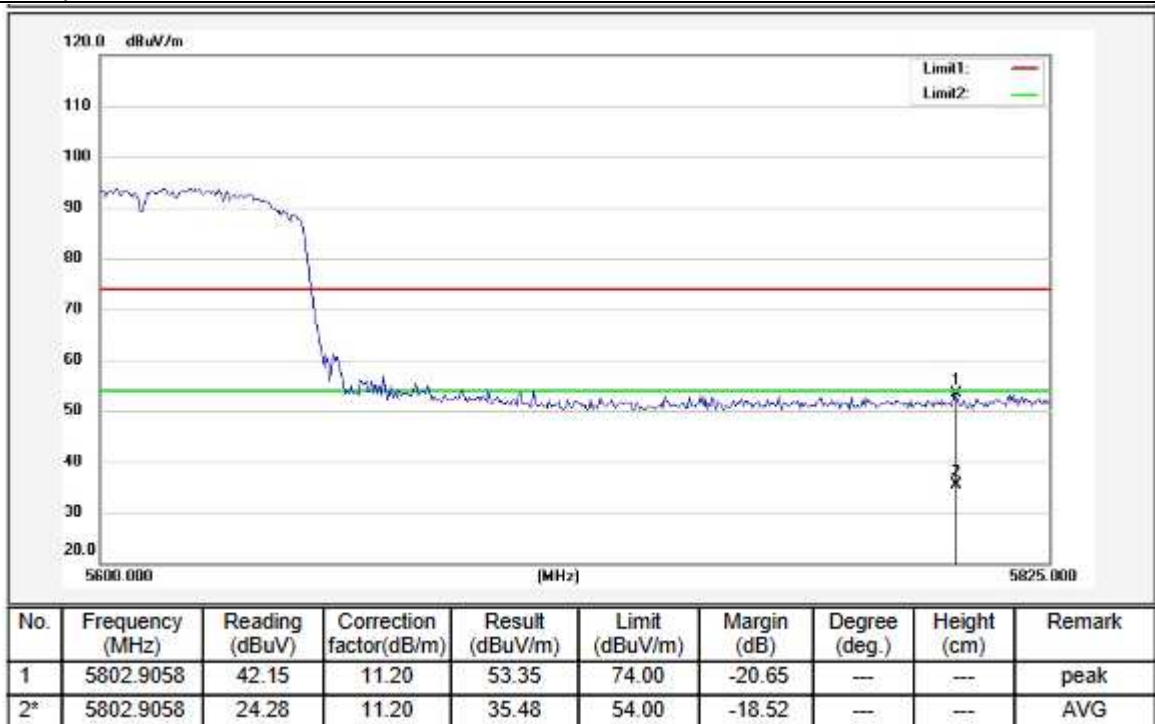
Horizontal polarization of 5530 MHz



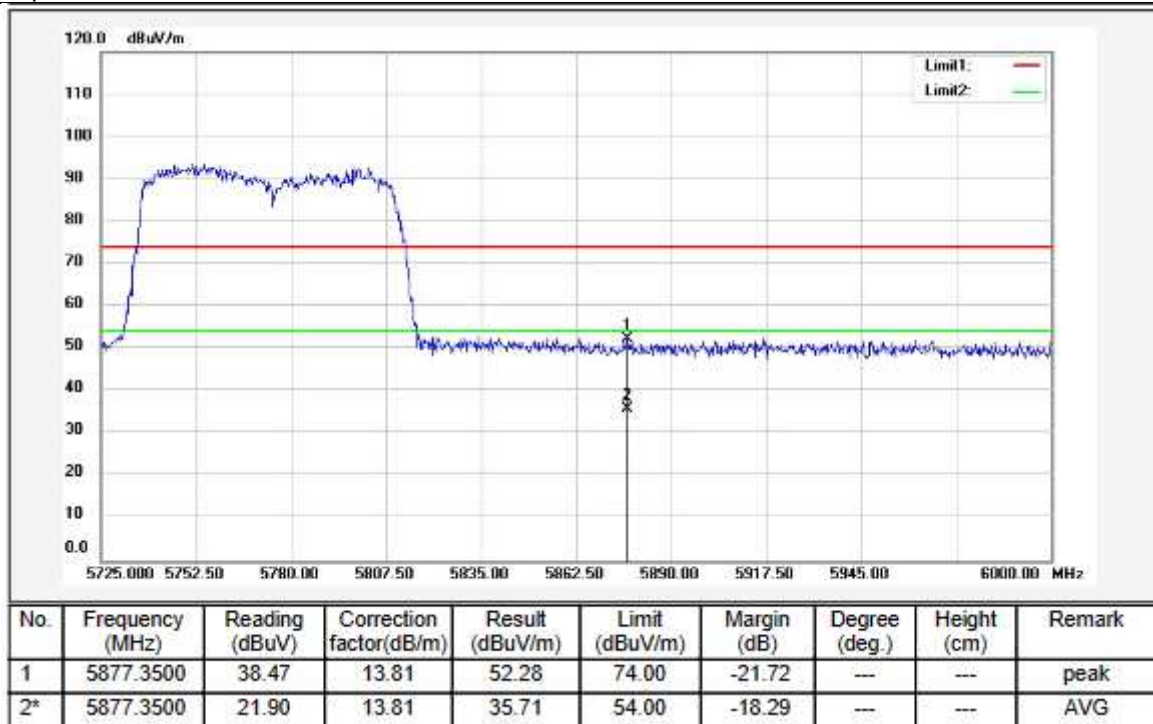
Vertical polarization of 5610 MHz



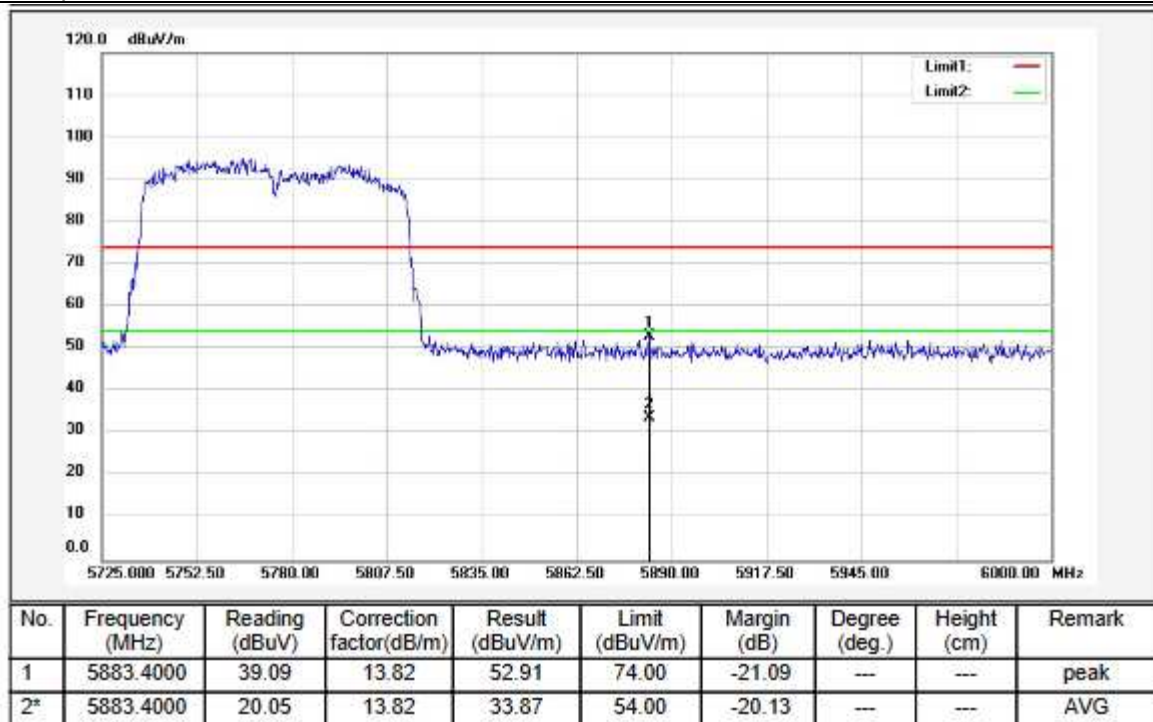
Horizontal polarization of 5610 MHz



Vertical polarization of 5775 MHz



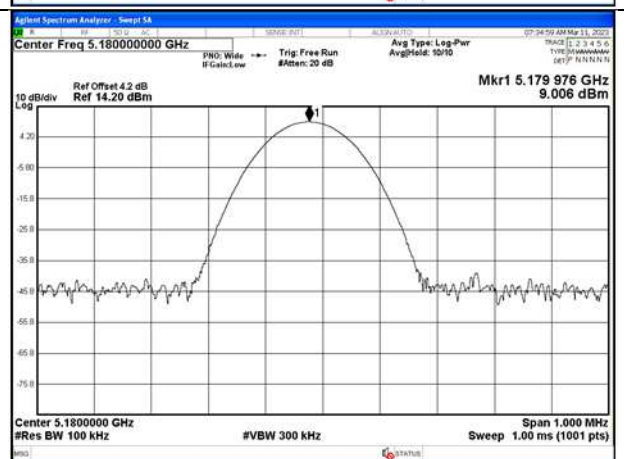
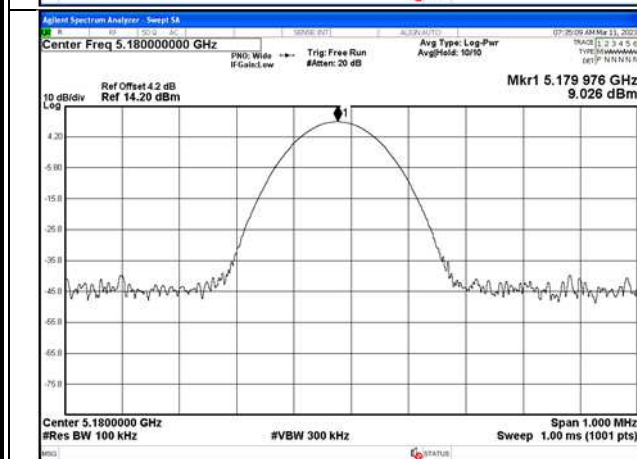
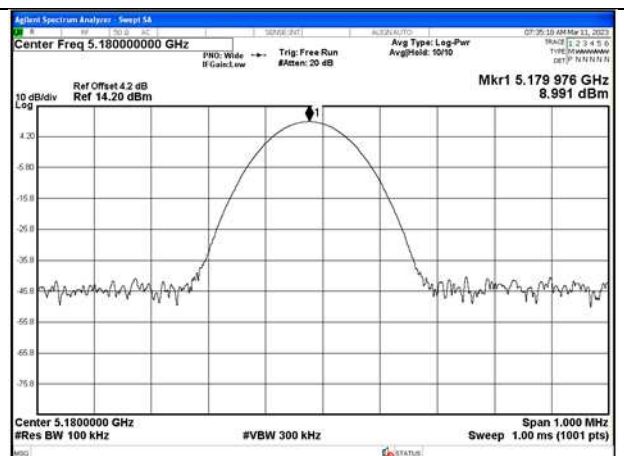
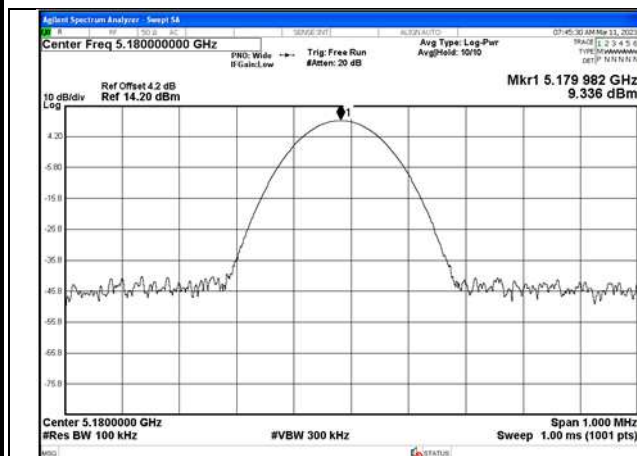
Horizontal polarization of 5775 MHz

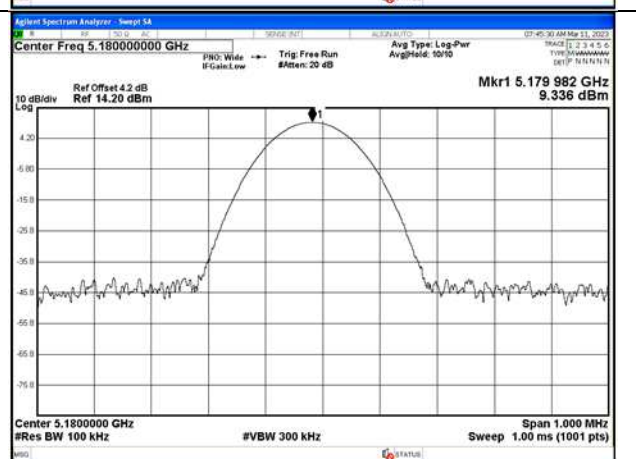
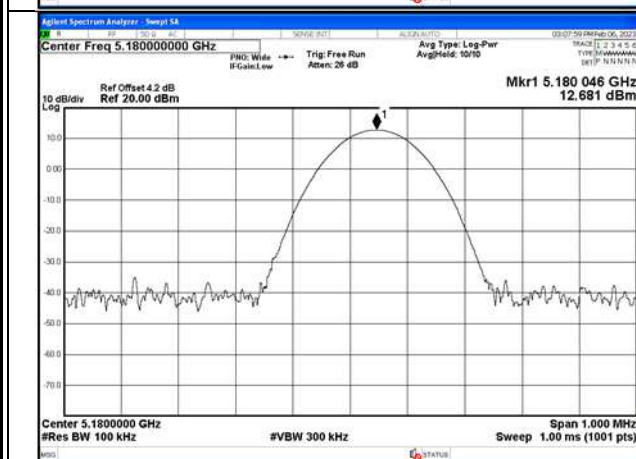
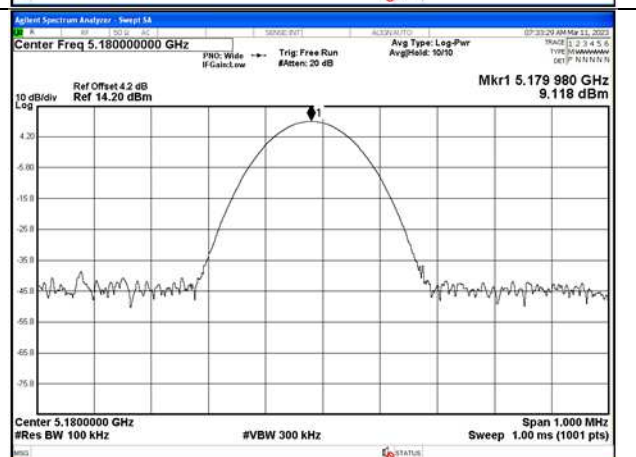
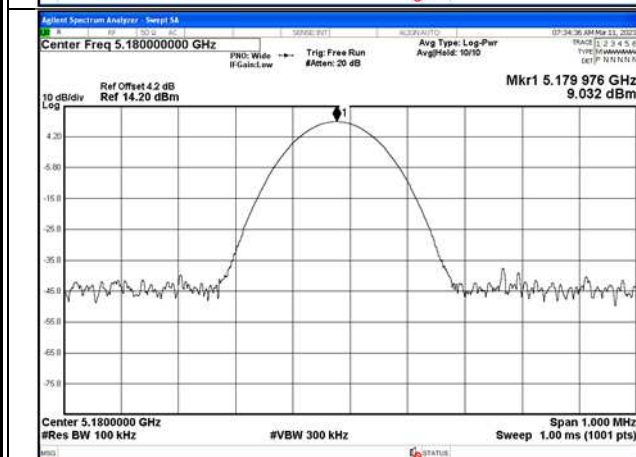
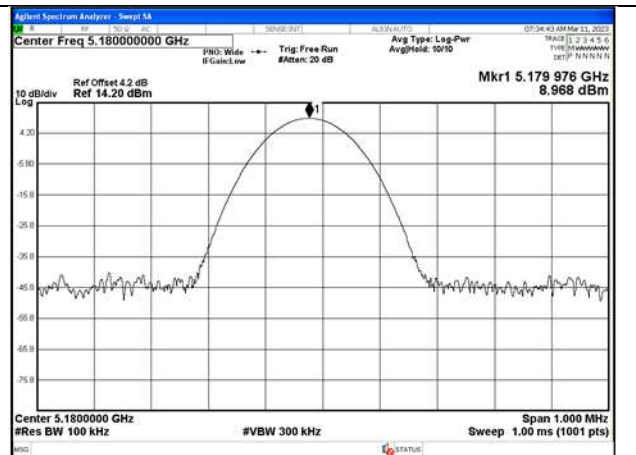
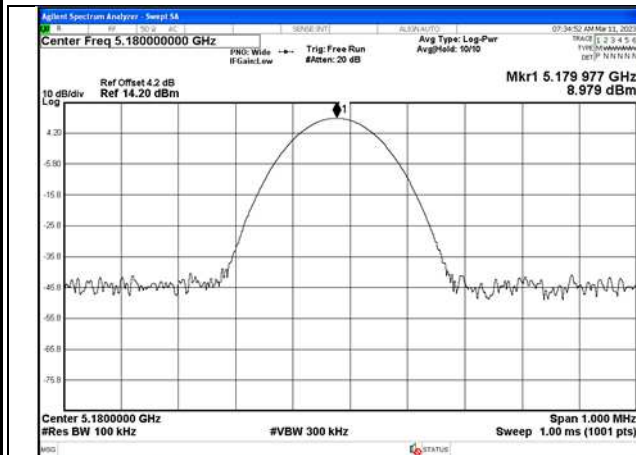


Appendix B.6: Test Result of Frequency Stability

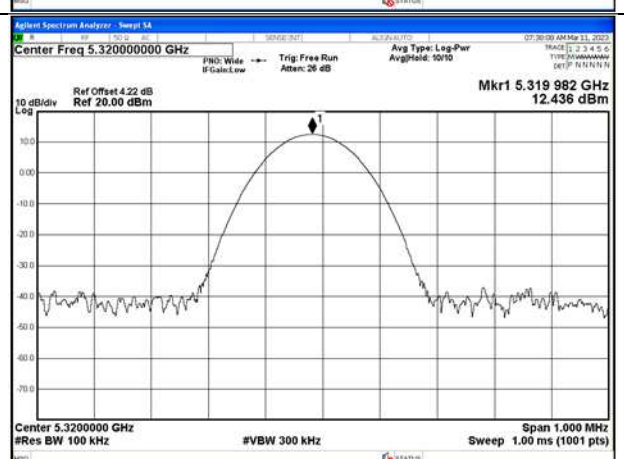
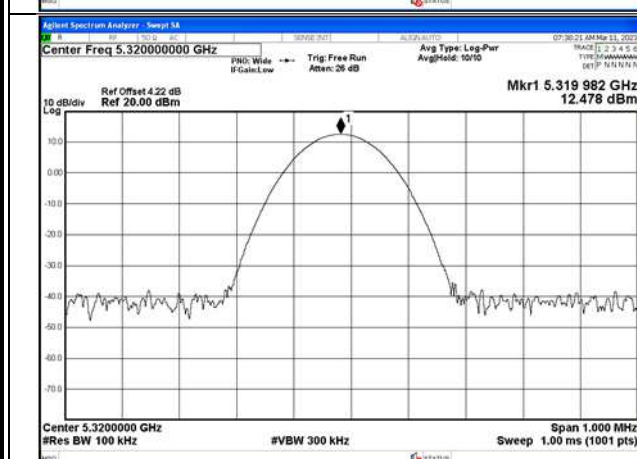
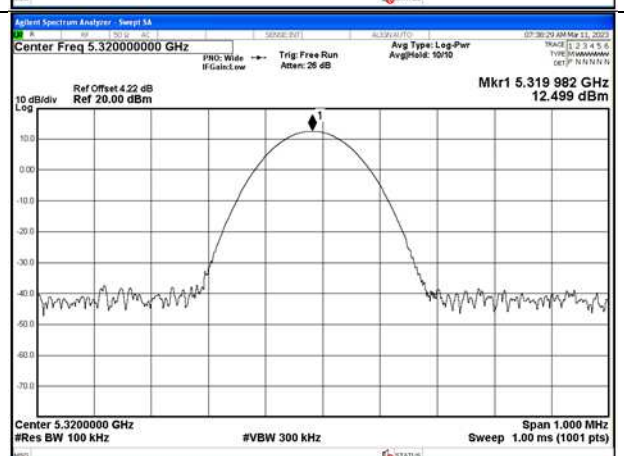
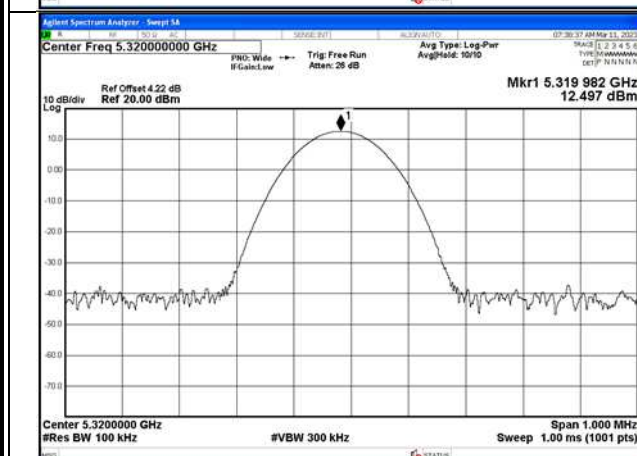
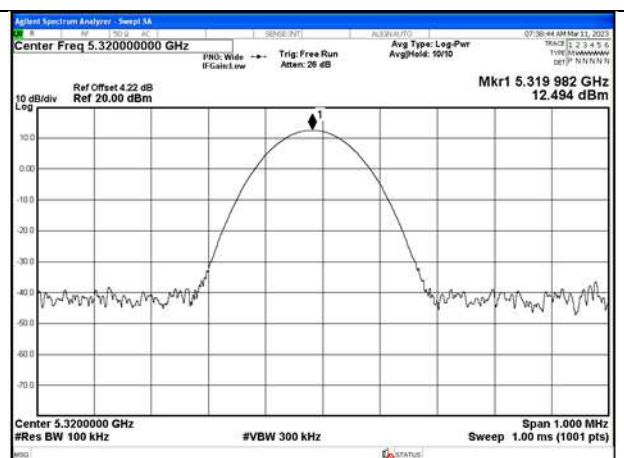
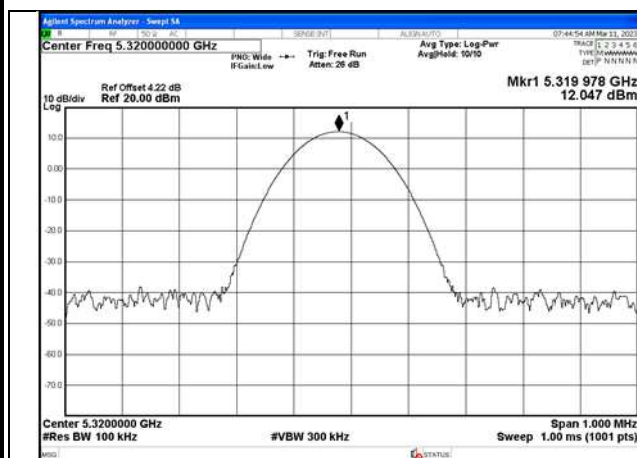
Wi-Fi 802.11a mode:

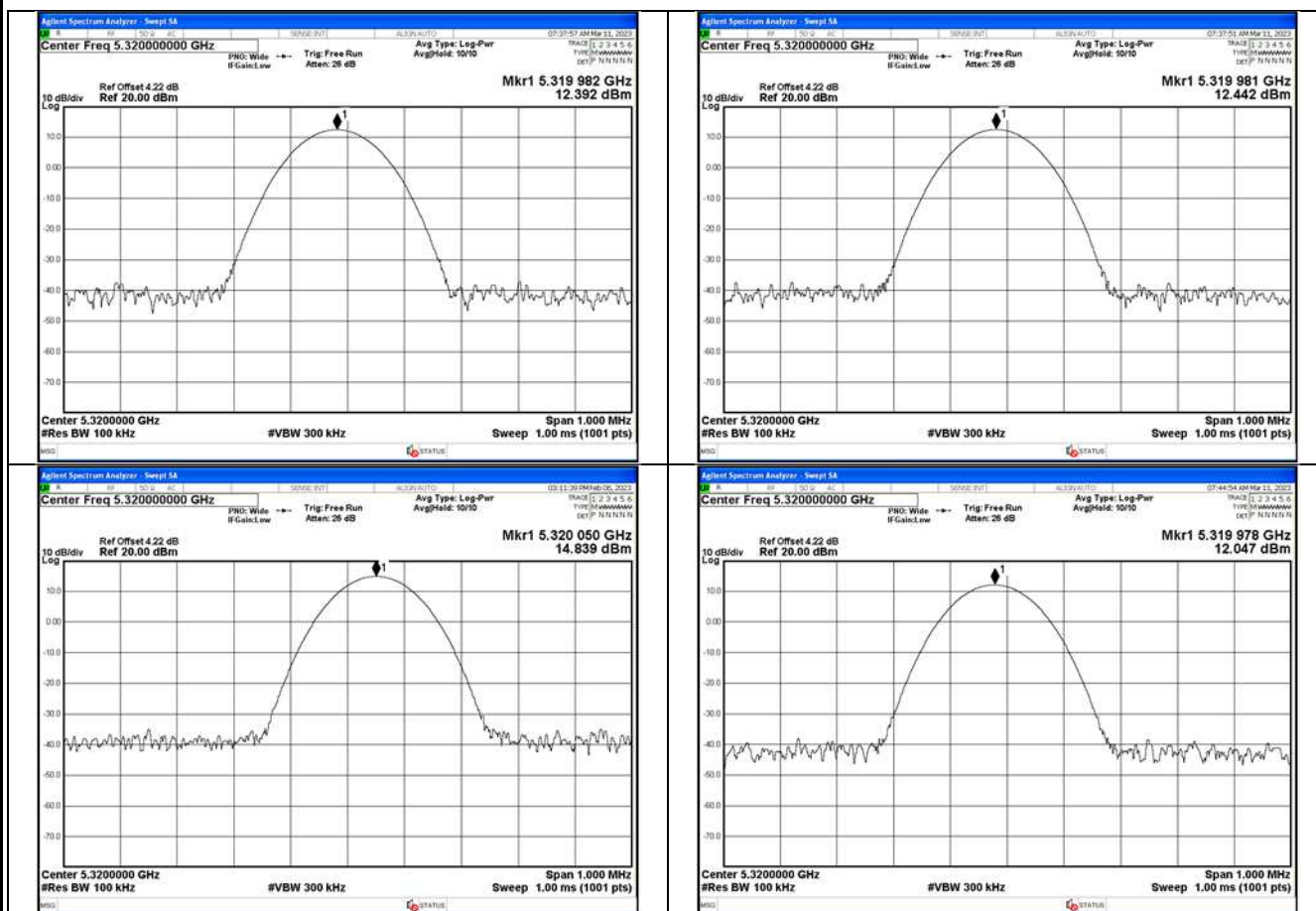
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5180	3.3	0	5179.982	3.47	25	Pass
		10	5179.976	4.63	25	Pass
		20	5179.976	4.63	25	Pass
		30	5179.976	4.63	25	Pass
		40	5179.9765	4.54	25	Pass
		50	5179.976	4.63	25	Pass
		60	5179.976	4.63	25	Pass
		70	5179.98	3.86	25	Pass
	2.97	25	5180.046	8.88	25	Pass
	3.63	25	5179.982	3.47	25	Pass



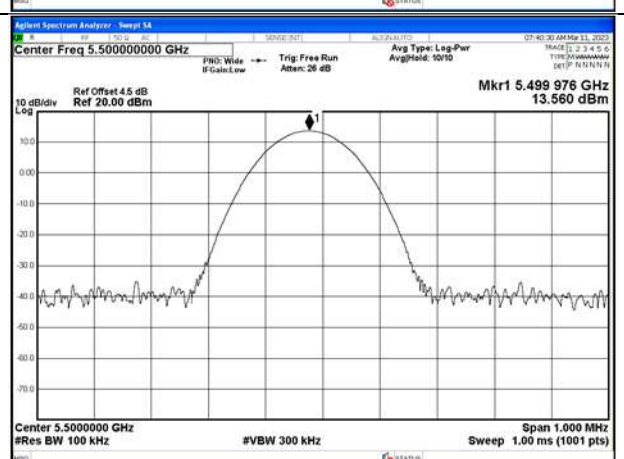
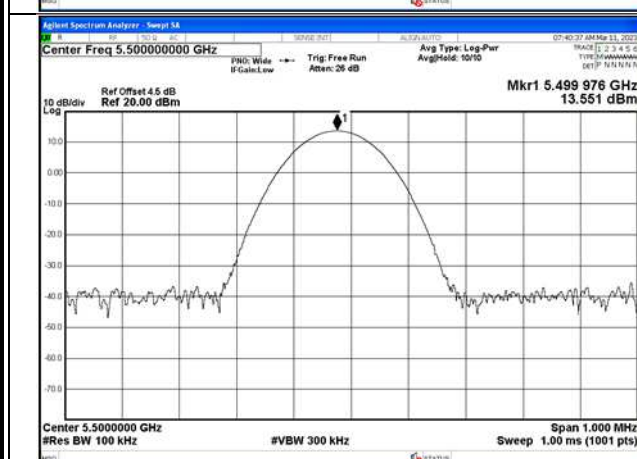
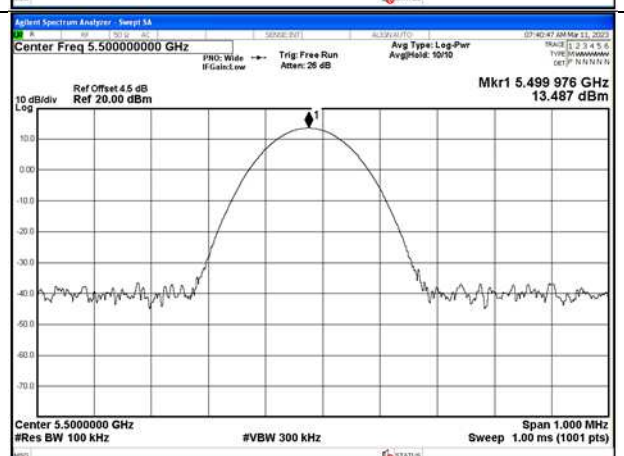
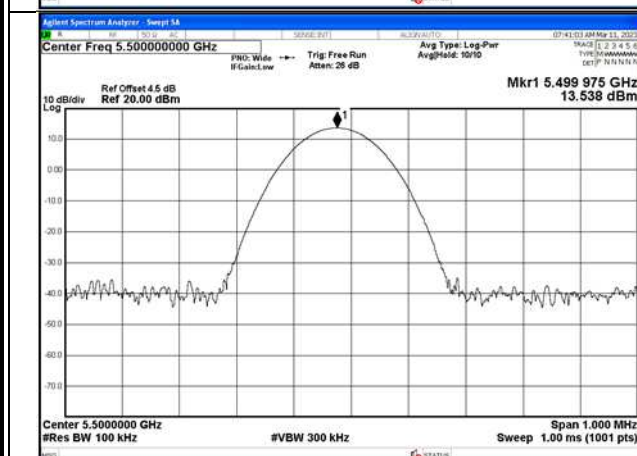
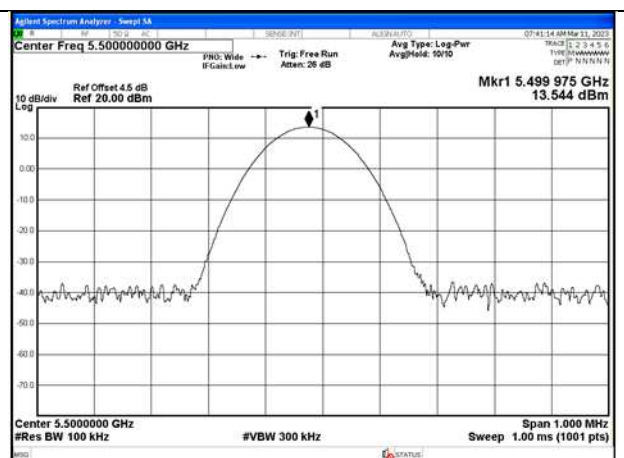
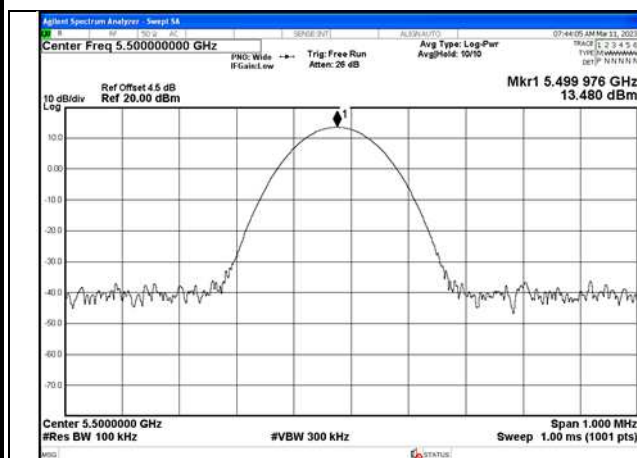


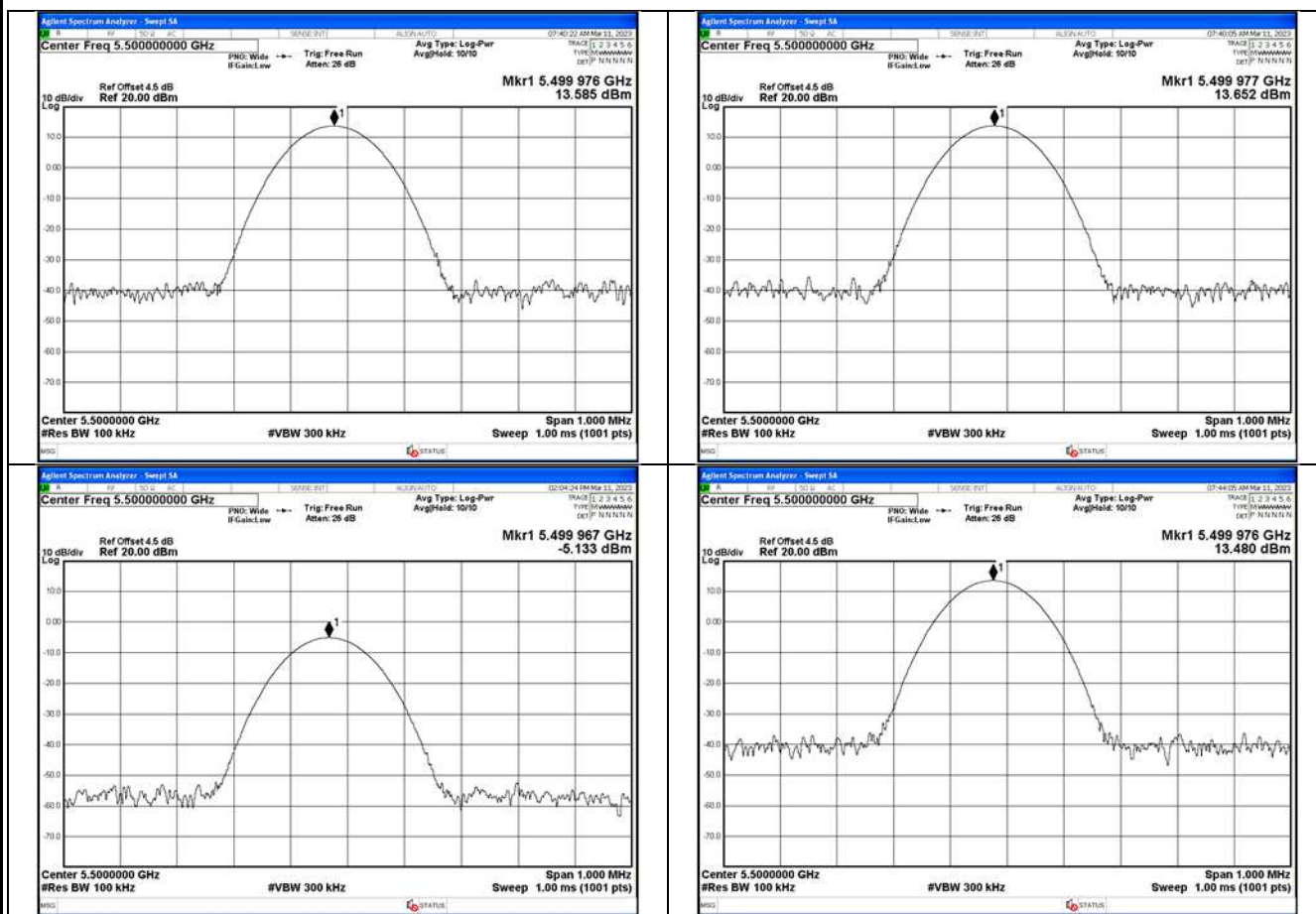
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5320	3.3	0	5319.978	4.14	25	Pass
		10	5319.982	3.38	25	Pass
		20	5319.982	3.38	25	Pass
		30	5319.982	3.38	25	Pass
		40	5319.982	3.38	25	Pass
		50	5319.9815	3.48	25	Pass
		60	5319.9815	3.48	25	Pass
		70	5319.981	3.57	25	Pass
	2.97	25	5320.05	9.4	25	Pass
	3.63	25	5319.978	4.14	25	Pass



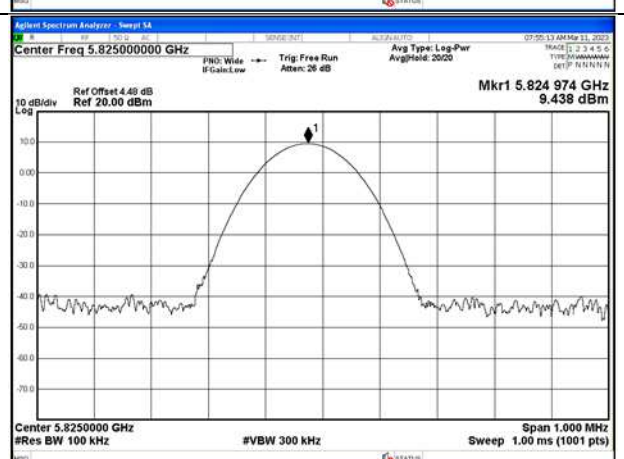
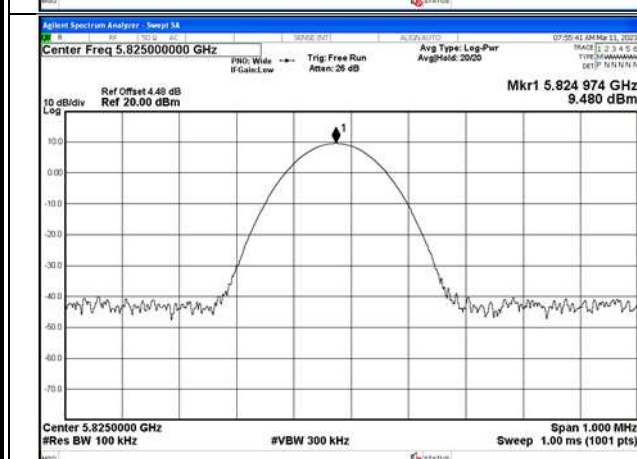
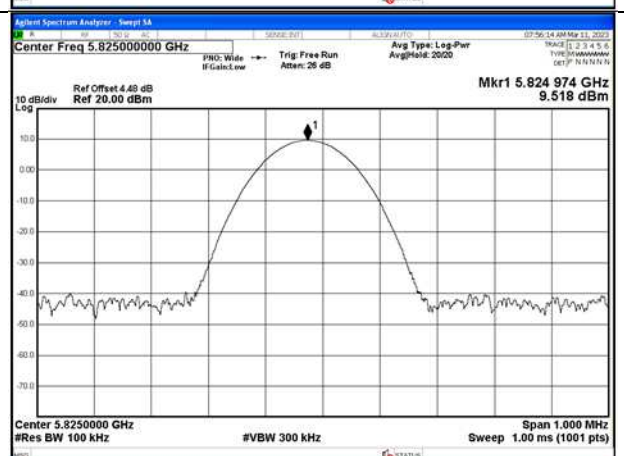
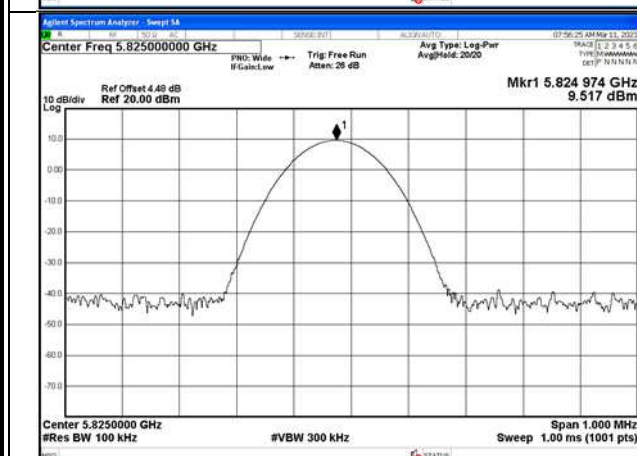
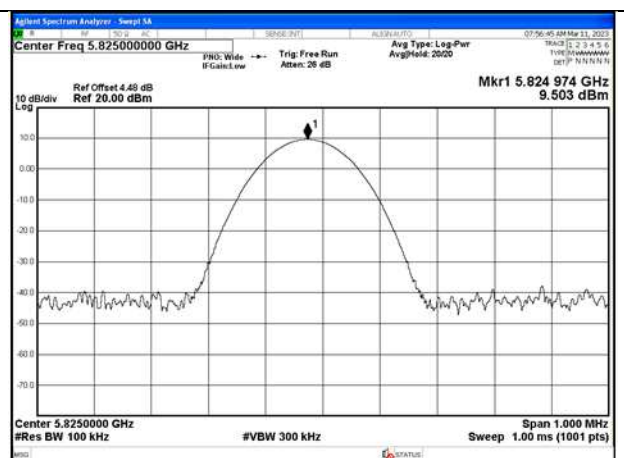
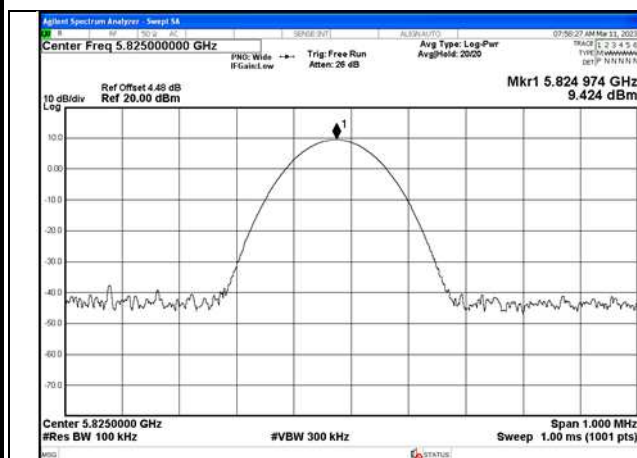


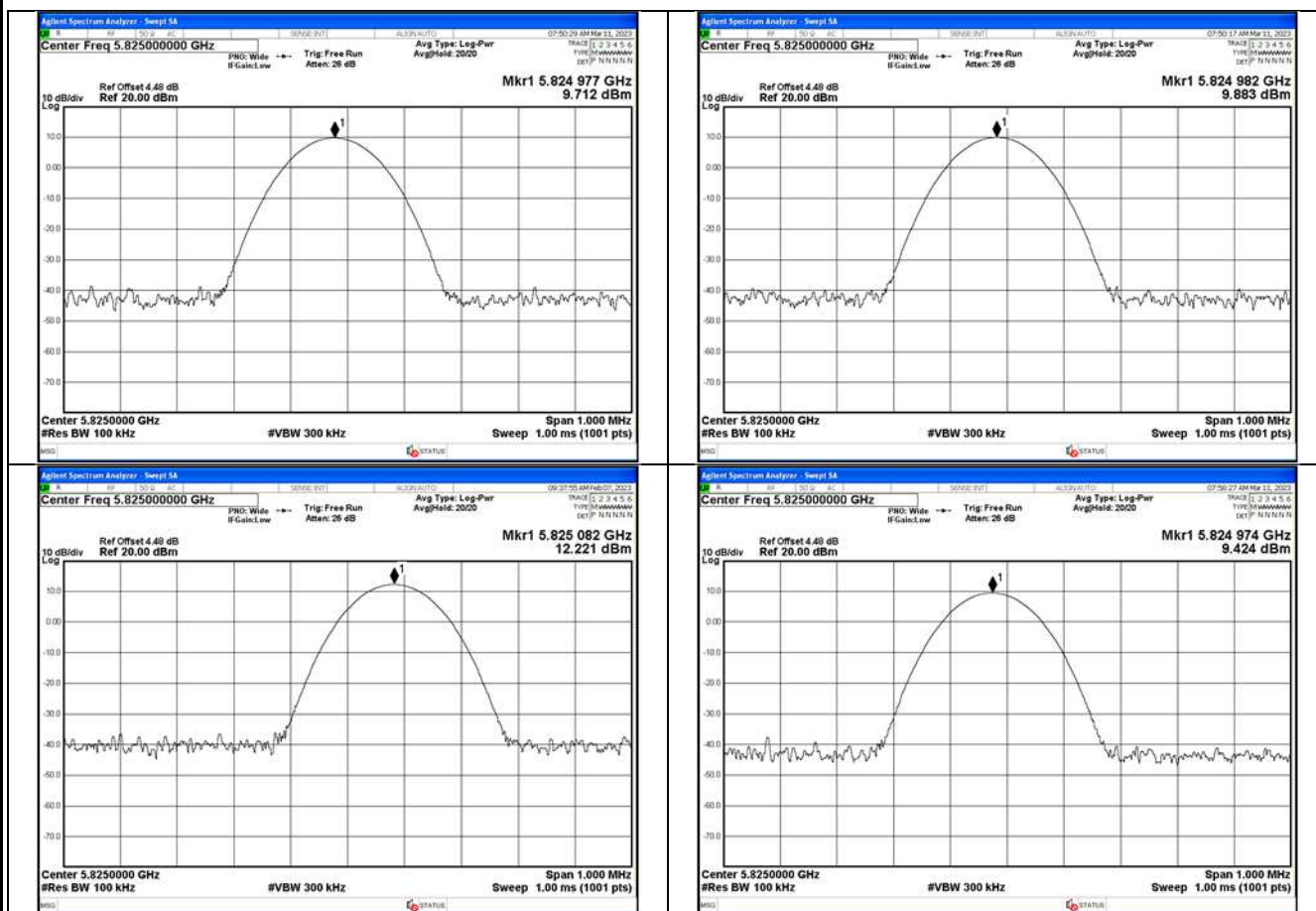
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5500	3.3	0	5499.9755	4.45	25	Pass
		10	5499.975	4.55	25	Pass
		20	5499.975	4.55	25	Pass
		30	5499.9755	4.45	25	Pass
		40	5499.9755	4.45	25	Pass
		50	5499.976	4.36	25	Pass
		60	5499.976	4.36	25	Pass
		70	5499.977	4.18	25	Pass
	2.97	25	5499.967	6	25	Pass
	3.63	25	5499.976	4.45	25	Pass





Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5825	3.3	0	5824.974	4.46	25	Pass
		10	5824.9735	4.55	25	Pass
		20	5824.974	4.46	25	Pass
		30	5824.9735	4.55	25	Pass
		40	5824.9735	4.55	25	Pass
		50	5824.974	4.46	25	Pass
		60	5824.977	3.95	25	Pass
		70	5824.982	3.09	25	Pass
	2.97	25	5825.082	14.08	25	Pass
	3.63	25	5824.974	4.46	25	Pass





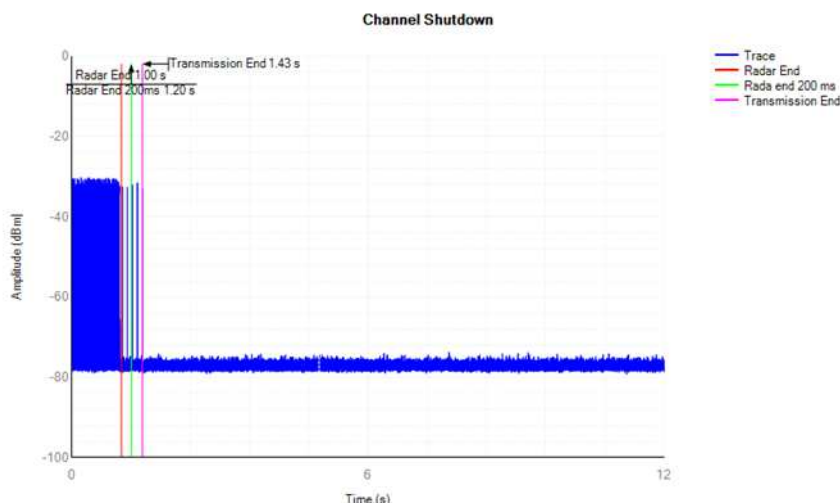
Appendix B.7: Test Result of Dynamic Frequency Selection (DFS)

Band 2					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5290	0.0030	<260ms	Complies
Channel move time	1	5290	0.4271	<10s	Complies
Non-Occupancy Period	1	5290	not be less than 30 Min	30 Minutes	Complies

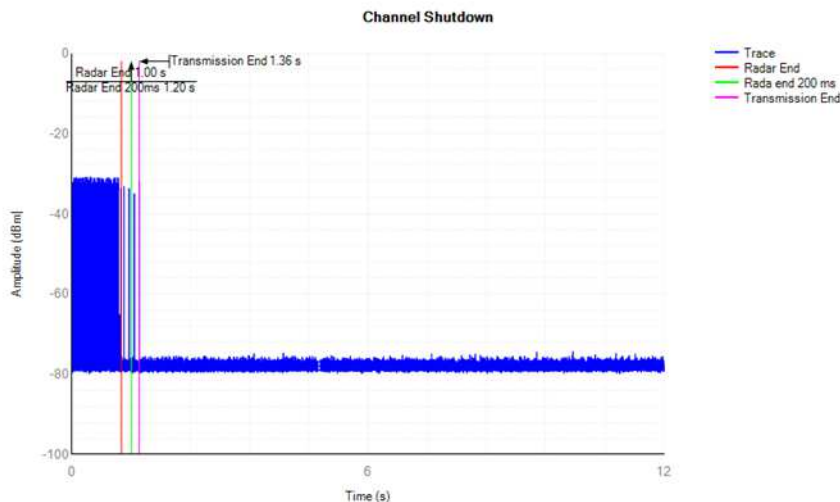
Band 3					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5530	0.0024	<260ms	Complies
Channel move time	1	5530	0.3617	<10s	Complies
Non-Occupancy Period	1	5530	not be less than 30 Min	30 Minutes	Complies

Remark: Tests were performed using the conduction test method. DFS is not applicable to 5600-5650 frequency band for IC.

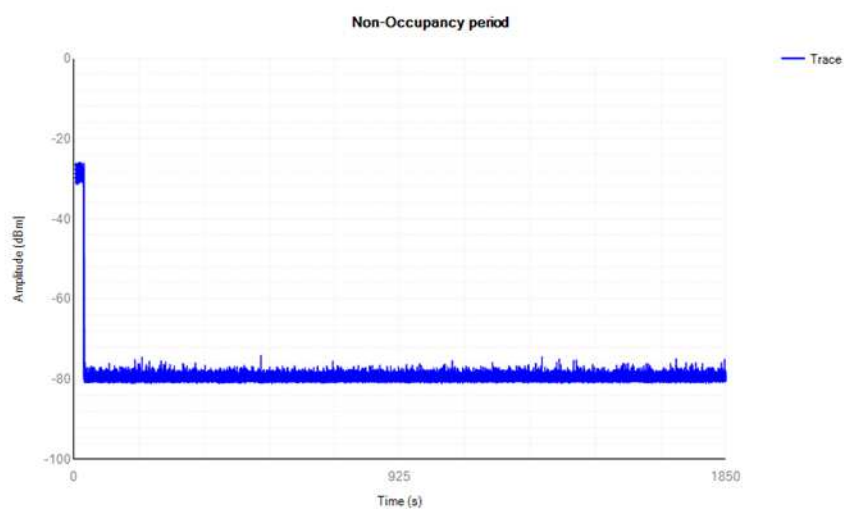
CH58 Channel move time & Channel Closing Transmission Time



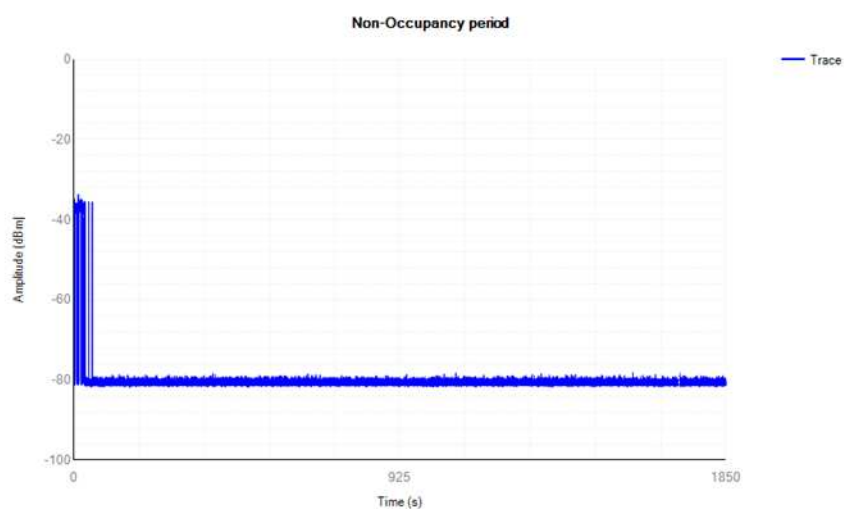
CH106 Channel move time & Channel Closing Transmission Time



CH58 Non-Occupancy Period for Type 1 radar.



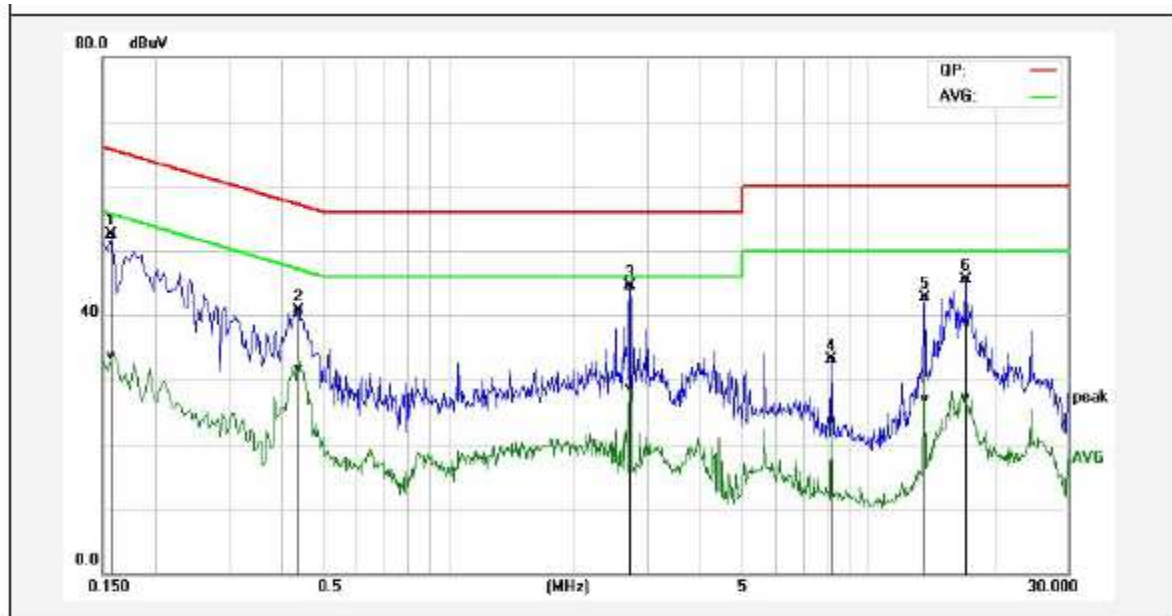
CH106 Non-Occupancy Period for Type 1 radar.



Appendix B.8: Test Results of Conducted Emission on AC Mains

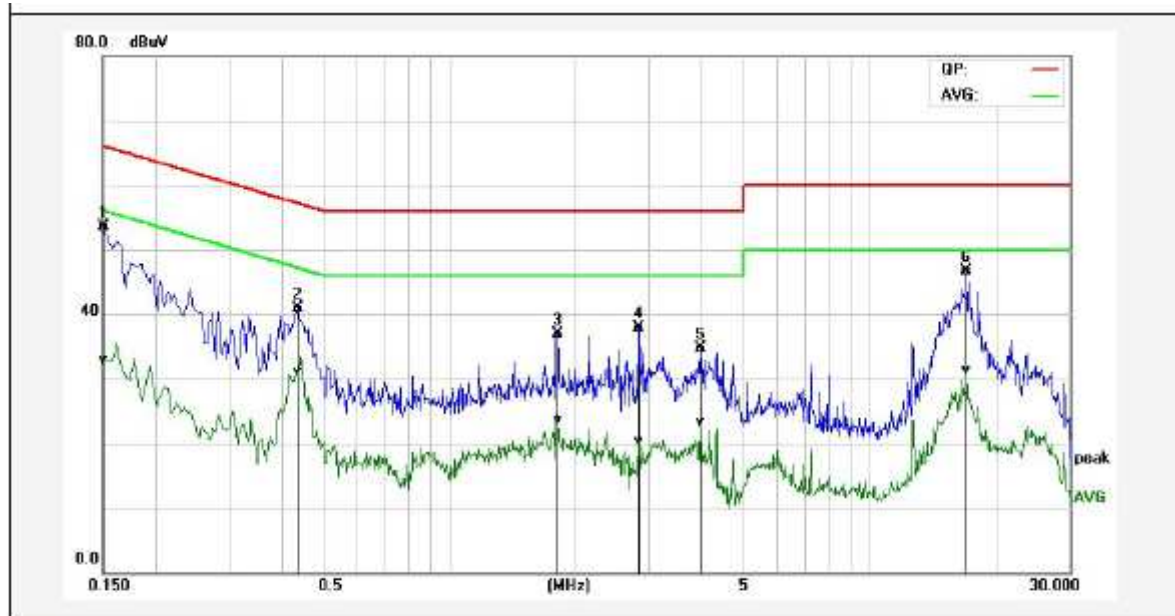
working mode

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	0.1580	42.62	23.95	9.85	52.47	33.80	65.56	55.57	-13.09	-21.77	Pass
2P	0.4380	31.18	22.24	9.53	40.71	31.77	57.10	47.10	-16.39	-15.33	Pass
3*	2.7260	34.88	19.02	9.60	44.48	28.62	56.00	46.00	-11.52	-17.38	Pass
4P	8.1860	23.31	13.73	9.71	33.02	23.44	60.00	50.00	-26.98	-26.56	Pass
5P	13.6340	32.73	16.81	10.00	42.73	26.81	60.00	50.00	-17.27	-23.19	Pass
6P	17.1299	35.48	17.03	10.04	45.52	27.07	60.00	50.00	-14.48	-22.93	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	43.95	23.25	9.60	53.55	32.85	65.99	56.00	-12.44	-23.15	Pass
2P	0.4380	31.36	21.61	9.53	40.89	31.14	57.10	47.10	-16.21	-15.96	Pass
3P	1.6220	27.36	13.90	9.62	36.98	23.52	56.00	46.00	-19.02	-22.48	Pass
4P	2.8540	28.27	10.72	9.68	37.95	20.40	56.00	46.00	-18.05	-25.60	Pass
5P	3.9980	25.05	13.50	9.75	34.80	23.25	56.00	46.00	-21.20	-22.75	Pass
6P	17.0340	36.75	21.23	10.02	46.77	31.25	60.00	50.00	-13.23	-18.75	Pass