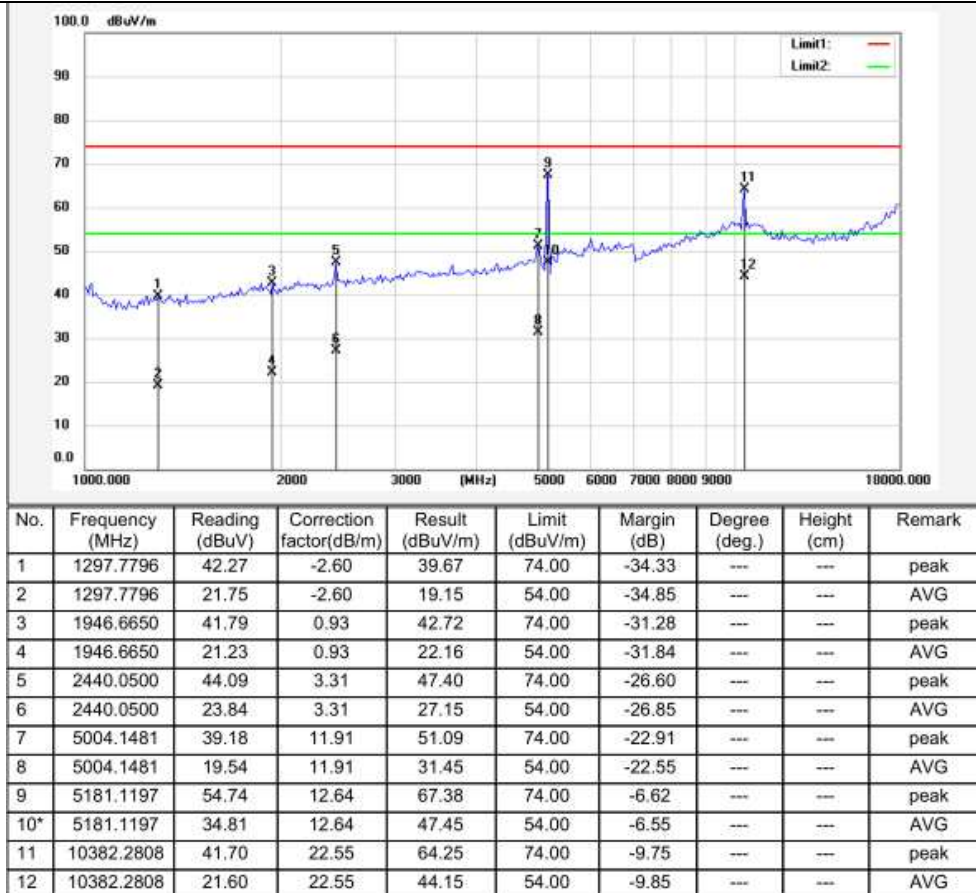
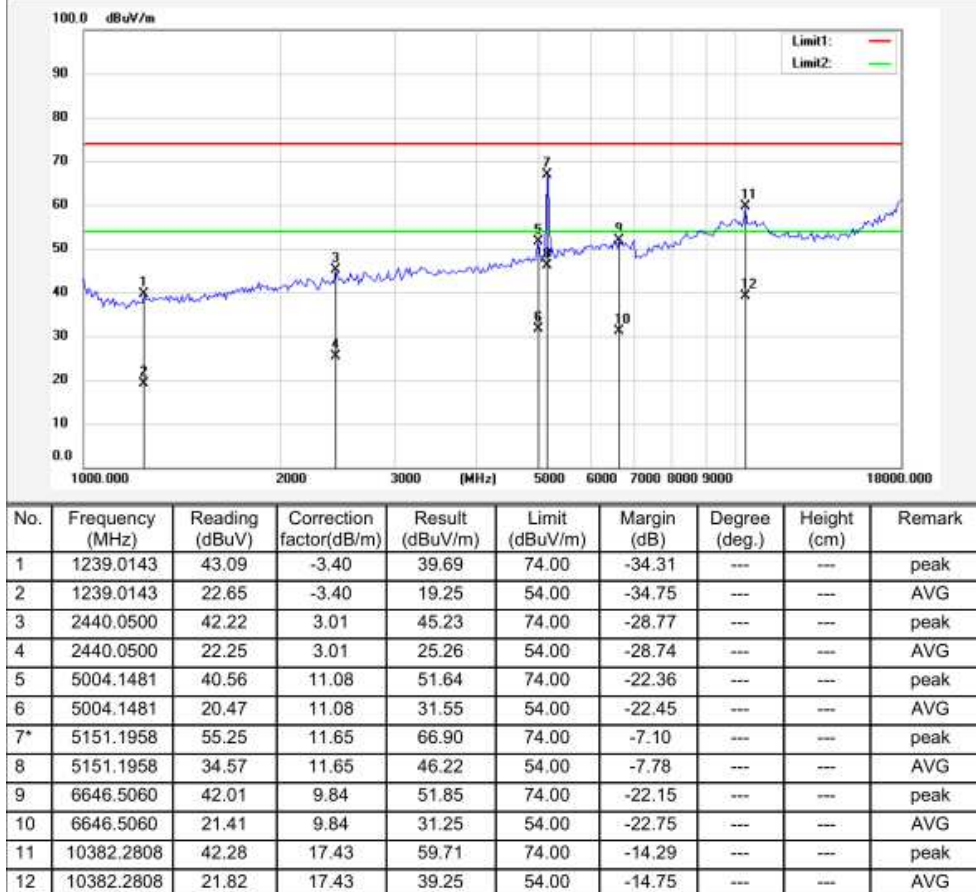


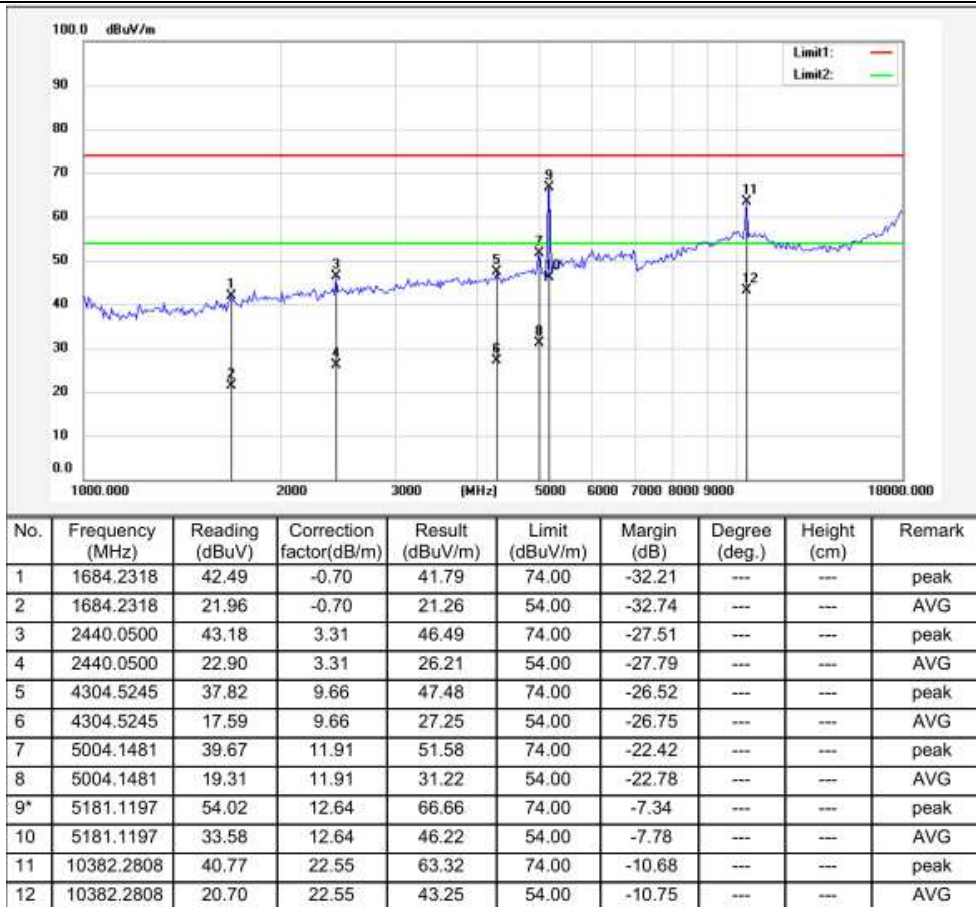
Wi-Fi 5G 11n20_5320MHz Vertical



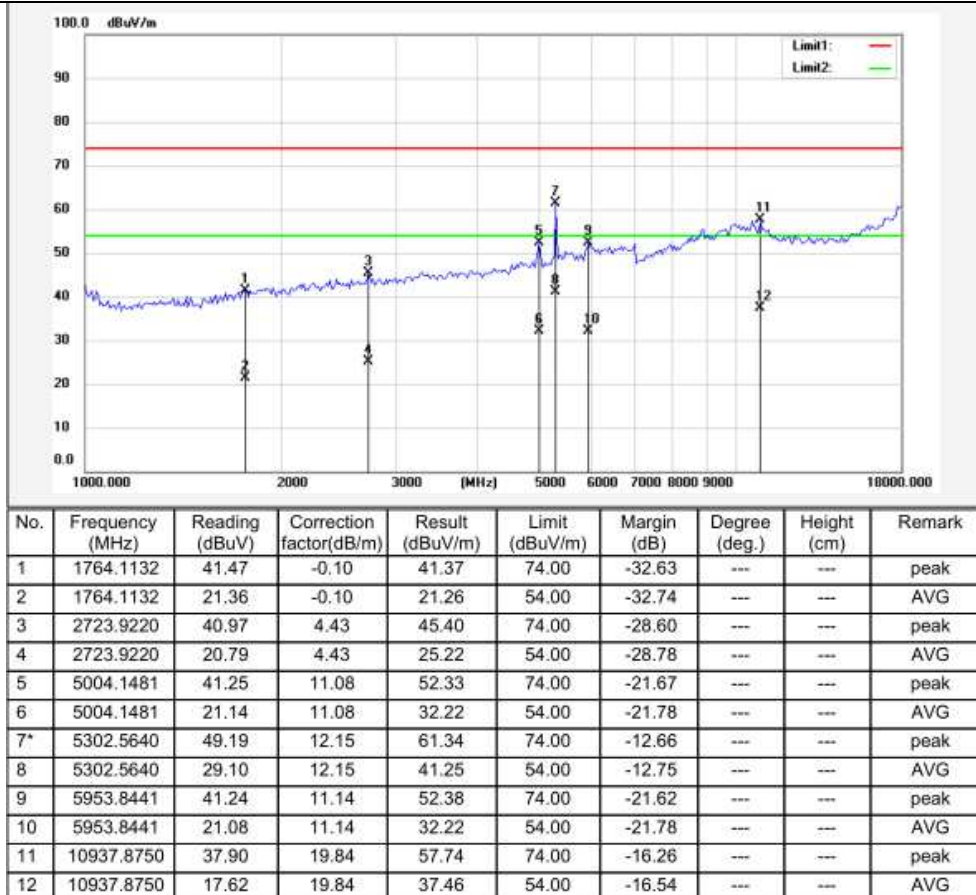
Wi-Fi 5G 11n20_5500MHz Horizontal



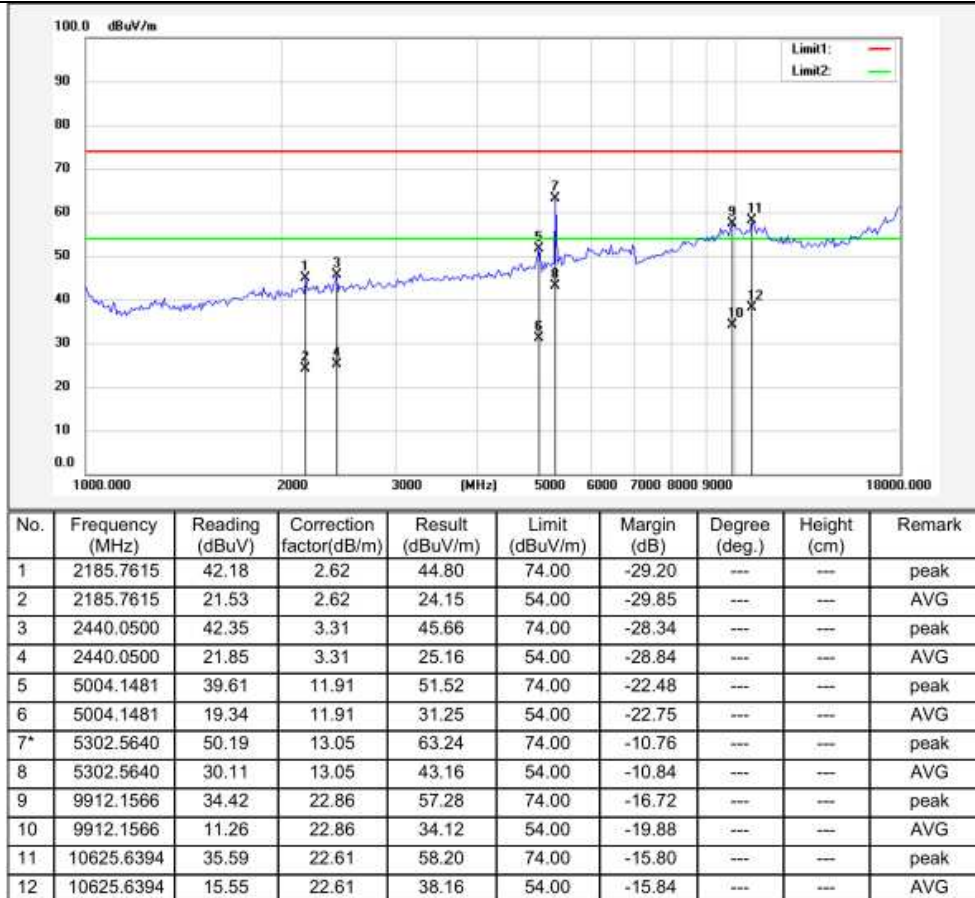
Wi-Fi 5G 11n20_5500MHz Vertical



Wi-Fi 5G 11n20_5745MHz Horizontal



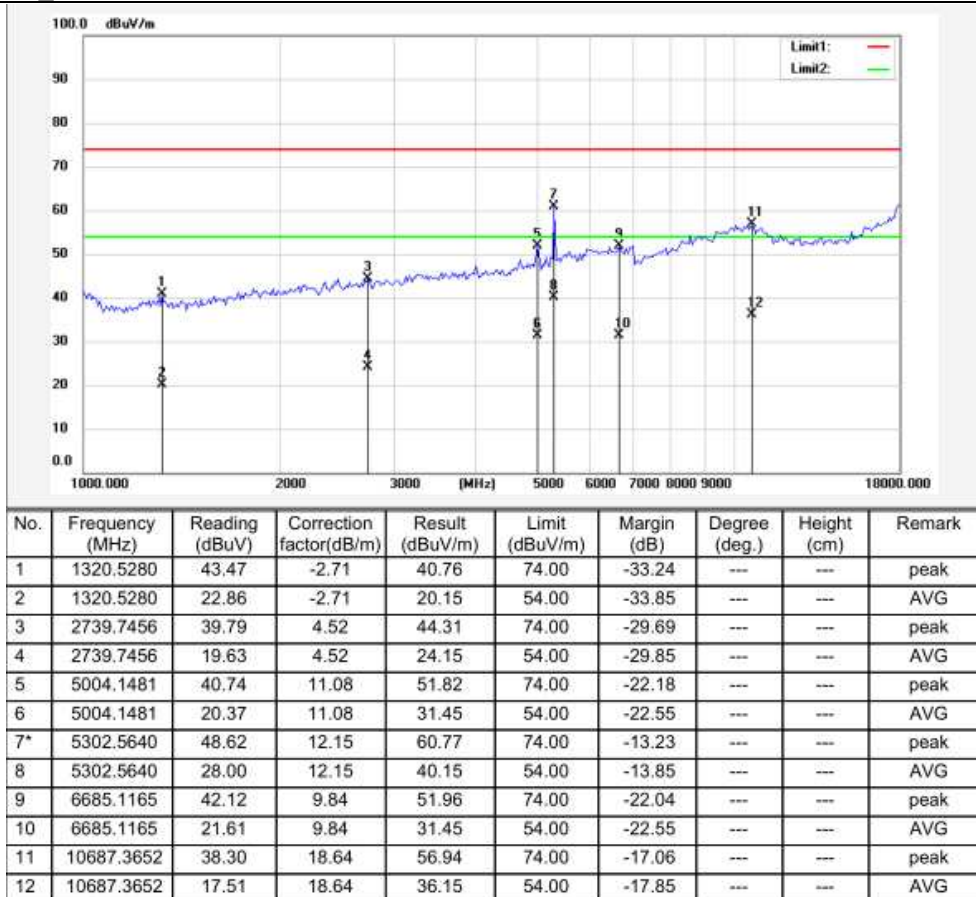
Wi-Fi 5G 11n20_5745MHz Vertical



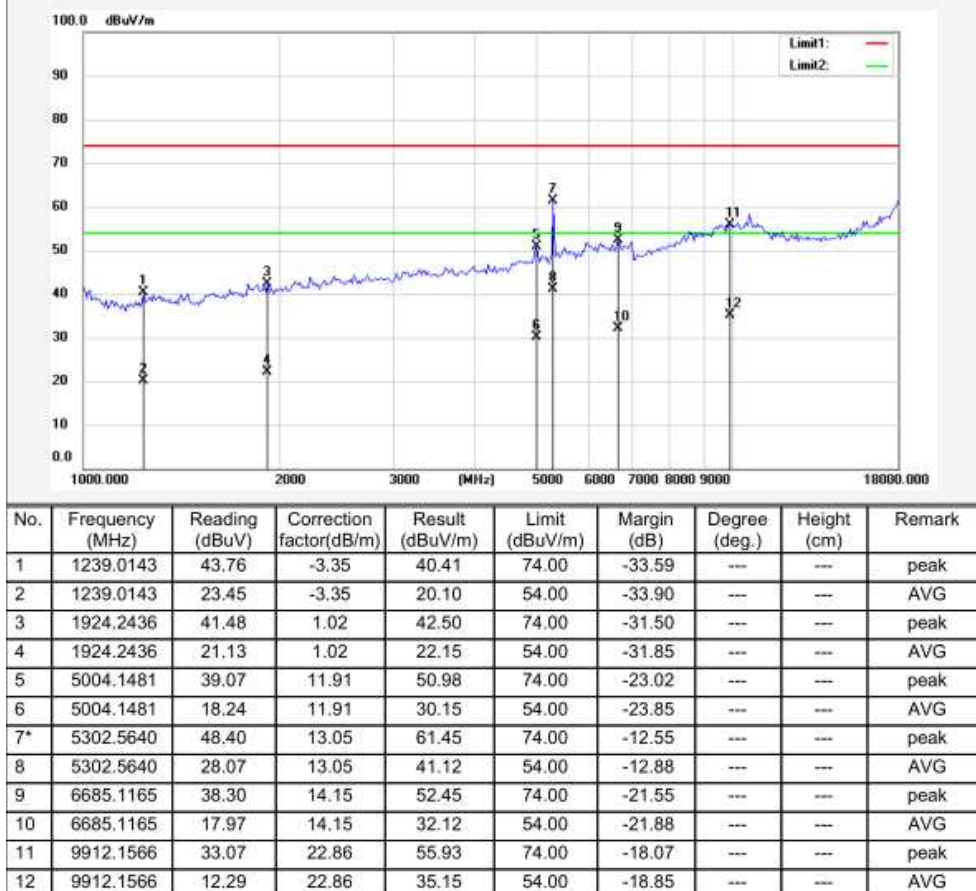
Produkte
Products

Wi-Fi 5G 802.11n40:

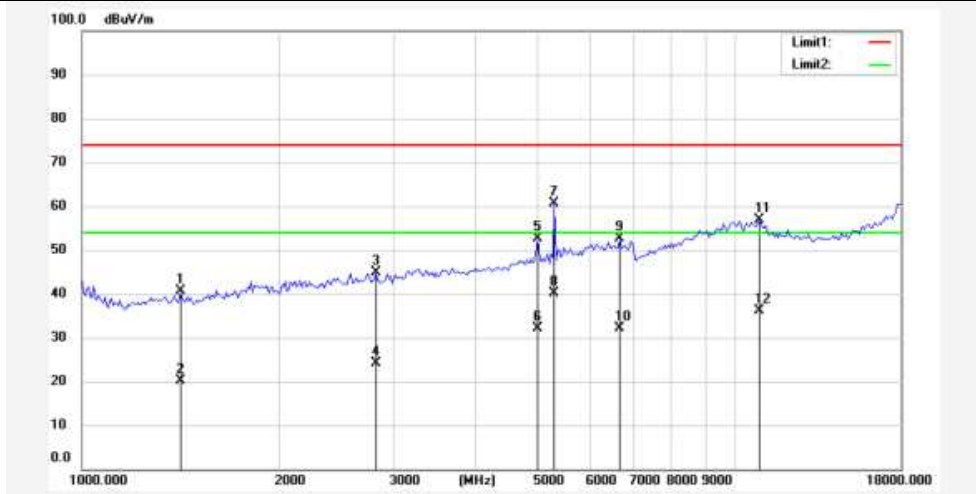
Wi-Fi 5G 11n40_5190MHz Horizontal



Wi-Fi 5G 11n40_5190MHz Vertical

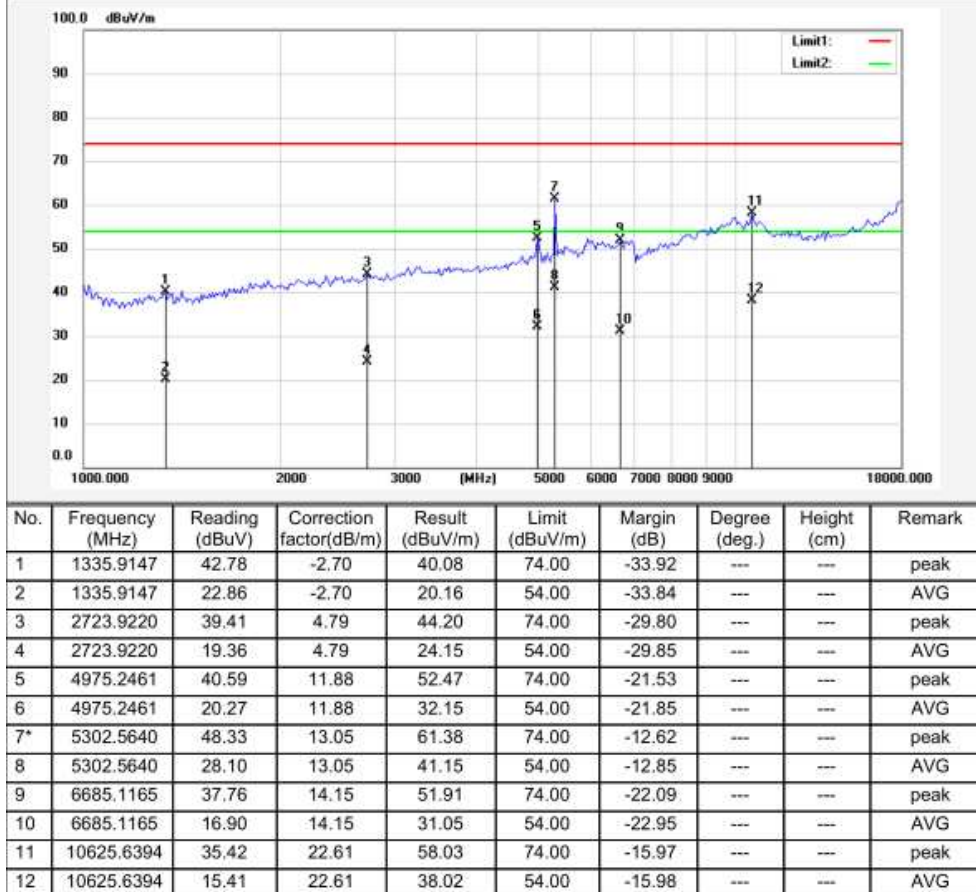


Wi-Fi 5G 11n40_5310MHz Horizontal

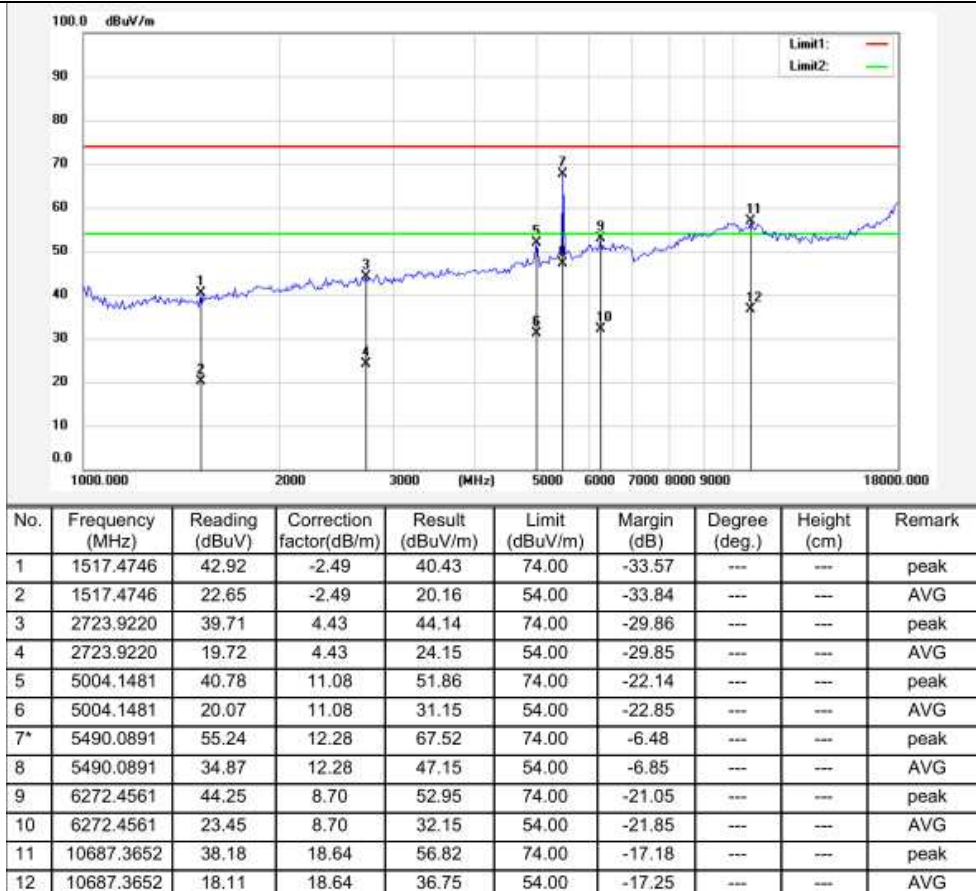


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1415.5805	43.36	-2.80	40.56	74.00	-33.44	---	---	peak
2	1415.5805	22.95	-2.80	20.15	54.00	-33.85	---	---	AVG
3	2820.2534	40.23	4.63	44.86	74.00	-29.14	---	---	peak
4	2820.2534	19.52	4.63	24.15	54.00	-29.85	---	---	AVG
5	5004.1481	41.48	11.08	52.56	74.00	-21.44	---	---	peak
6	5004.1481	21.04	11.08	32.12	54.00	-21.88	---	---	AVG
7*	5302.5640	48.60	12.15	60.75	74.00	-13.25	---	---	peak
8	5302.5640	28.00	12.15	40.15	54.00	-13.85	---	---	AVG
9	6685.1165	42.69	9.84	52.53	74.00	-21.47	---	---	peak
10	6685.1165	22.31	9.84	32.15	54.00	-21.85	---	---	AVG
11	10937.8750	37.10	19.84	56.94	74.00	-17.06	---	---	peak
12	10937.8750	16.21	19.84	36.05	54.00	-17.95	---	---	AVG

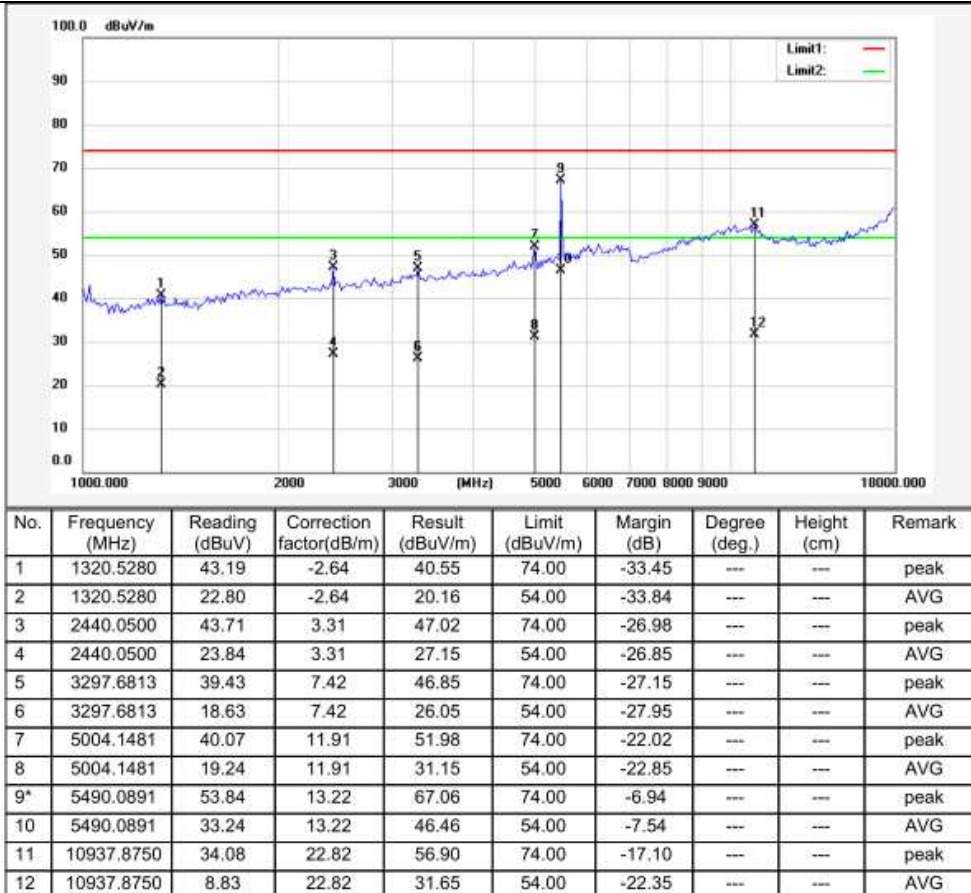
Wi-Fi 5G 11n40_5310MHz Vertical



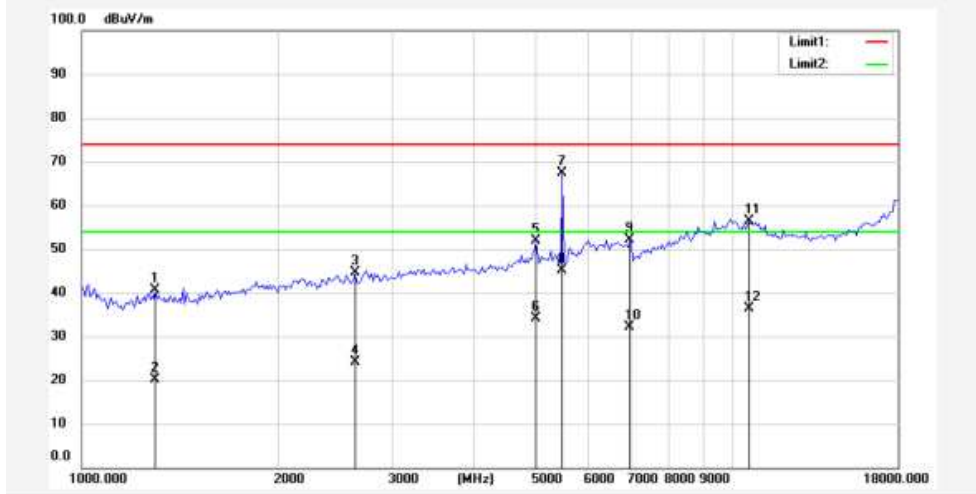
Wi-Fi 5G 11n40_5510MHz Horizontal



Wi-Fi 5G 11n40_5510MHz Vertical

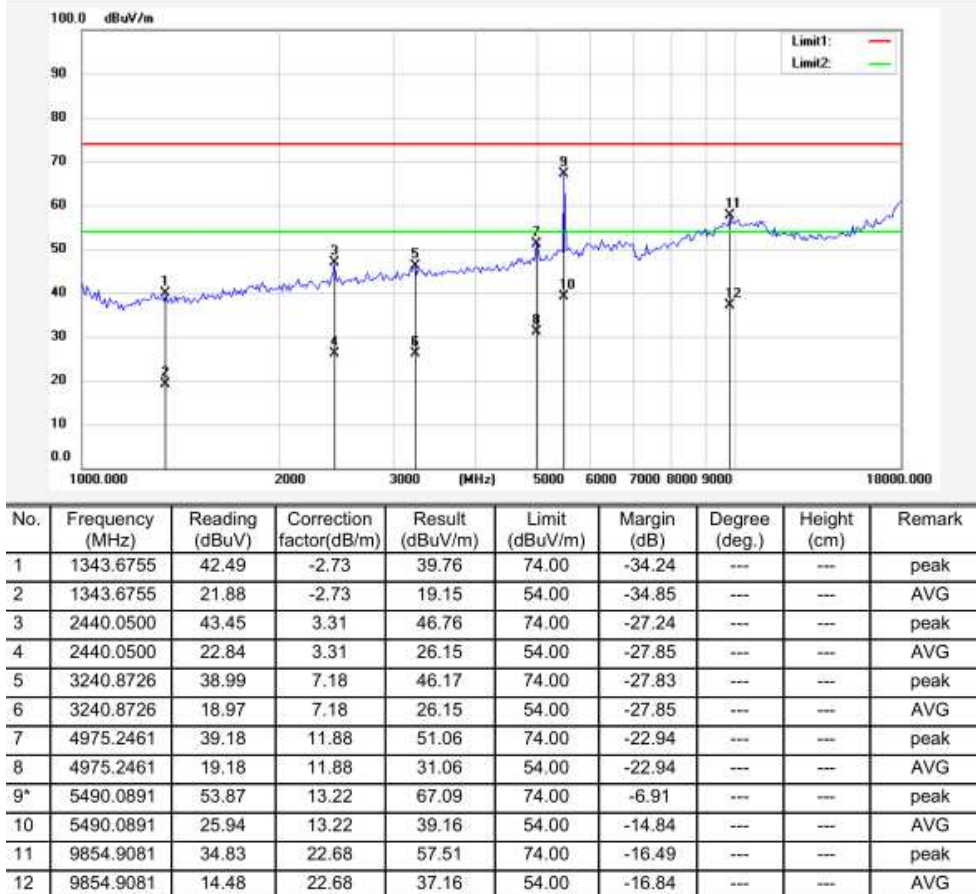


Wi-Fi 5G 11n40_5755MHz Horizontal



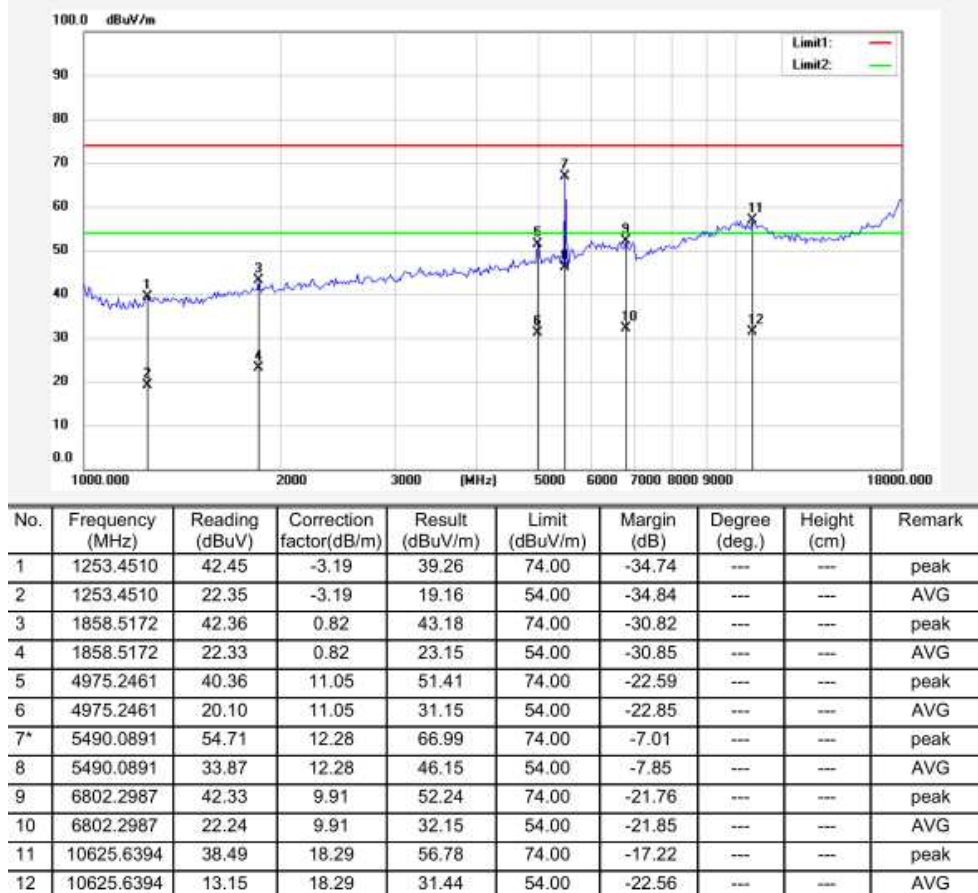
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1297.7796	43.24	-2.66	40.58	74.00	-33.42	---	---	peak
2	1297.7796	22.91	-2.66	20.25	54.00	-33.75	---	---	AVG
3	2630.8811	40.92	3.64	44.56	74.00	-29.44	---	---	peak
4	2630.8811	20.52	3.64	24.16	54.00	-29.84	---	---	AVG
5	5004.1481	40.82	11.08	51.90	74.00	-22.10	---	---	peak
6	5004.1481	23.07	11.08	34.15	54.00	-19.85	---	---	AVG
7*	5490.0891	54.99	12.28	67.27	74.00	-6.73	---	---	peak
8	5490.0891	32.88	12.28	45.16	54.00	-8.84	---	---	AVG
9	6961.7434	42.16	9.89	52.05	74.00	-21.95	---	---	peak
10	6961.7434	22.26	9.89	32.15	54.00	-21.85	---	---	AVG
11	10625.6394	38.15	18.29	56.44	74.00	-17.56	---	---	peak
12	10625.6394	18.15	18.29	36.44	54.00	-17.56	---	---	AVG

Wi-Fi 5G 11n40_5755MHz Vertical

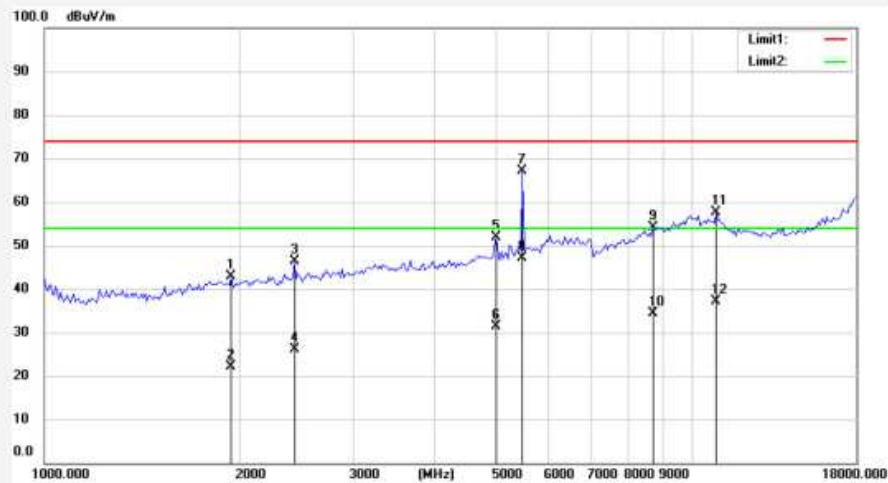


Wi-Fi 5G 802.11ac20:

Wi-Fi 5G 11ac20_5240MHz Horizontal

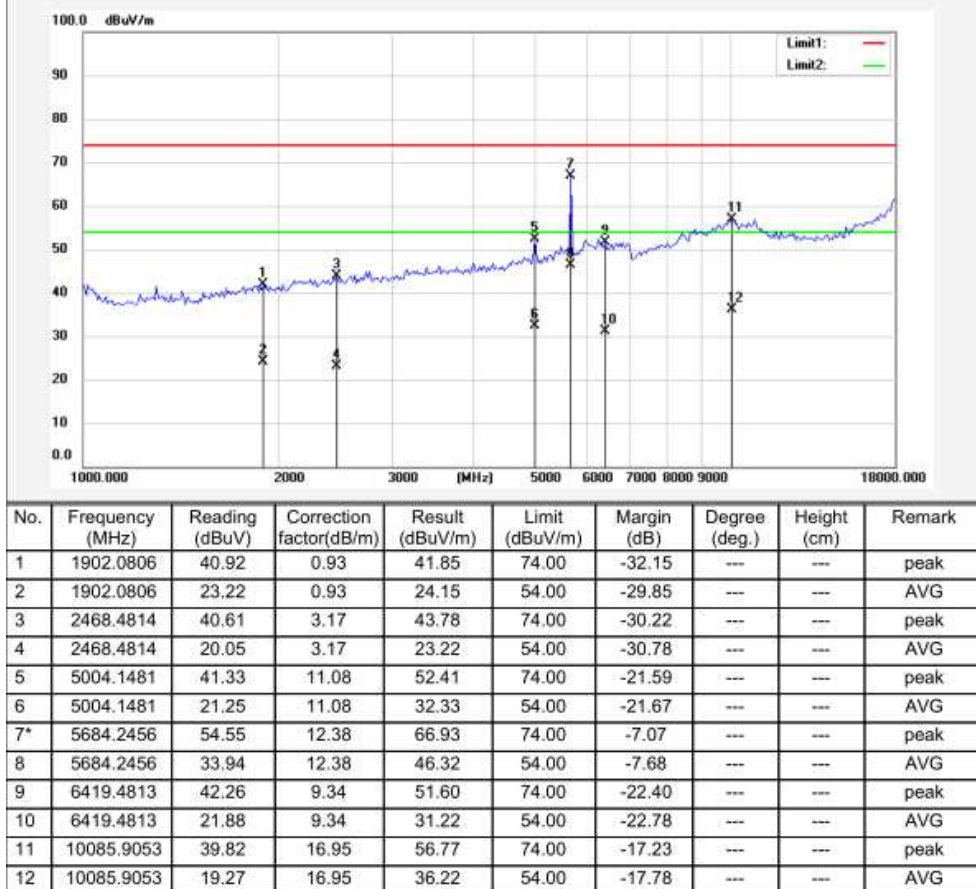


Wi-Fi 5G 11ac20_5240MHz Vertical

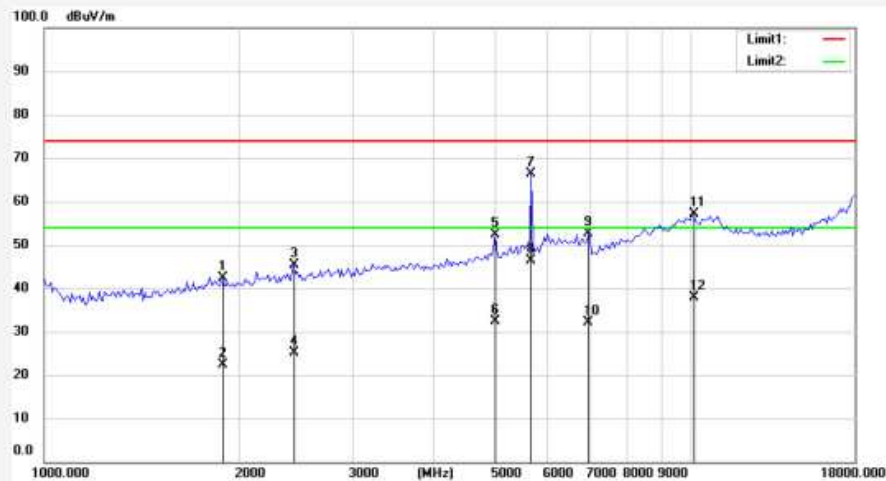


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1946.6650	41.86	0.93	42.79	74.00	-31.21	---	---	peak
2	1946.6650	21.23	0.93	22.16	54.00	-31.84	---	---	AVG
3	2440.0500	42.99	3.31	46.30	74.00	-27.70	---	---	peak
4	2440.0500	22.84	3.31	26.15	54.00	-27.85	---	---	AVG
5	5004.1481	39.97	11.91	51.88	74.00	-22.12	---	---	peak
6	5004.1481	19.54	11.91	31.45	54.00	-22.55	---	---	AVG
7	5490.0891	53.91	13.22	67.13	74.00	-6.87	---	---	peak
8*	5490.0891	33.93	13.22	47.15	54.00	-6.85	---	---	AVG
9	8726.2065	34.38	19.64	54.02	74.00	-19.98	---	---	peak
10	8726.2065	14.81	19.64	34.45	54.00	-19.55	---	---	AVG
11	10937.8750	34.87	22.82	57.69	74.00	-16.31	---	---	peak
12	10937.8750	14.33	22.82	37.15	54.00	-16.85	---	---	AVG

Wi-Fi 5G 11ac20_5260MHz Horizontal

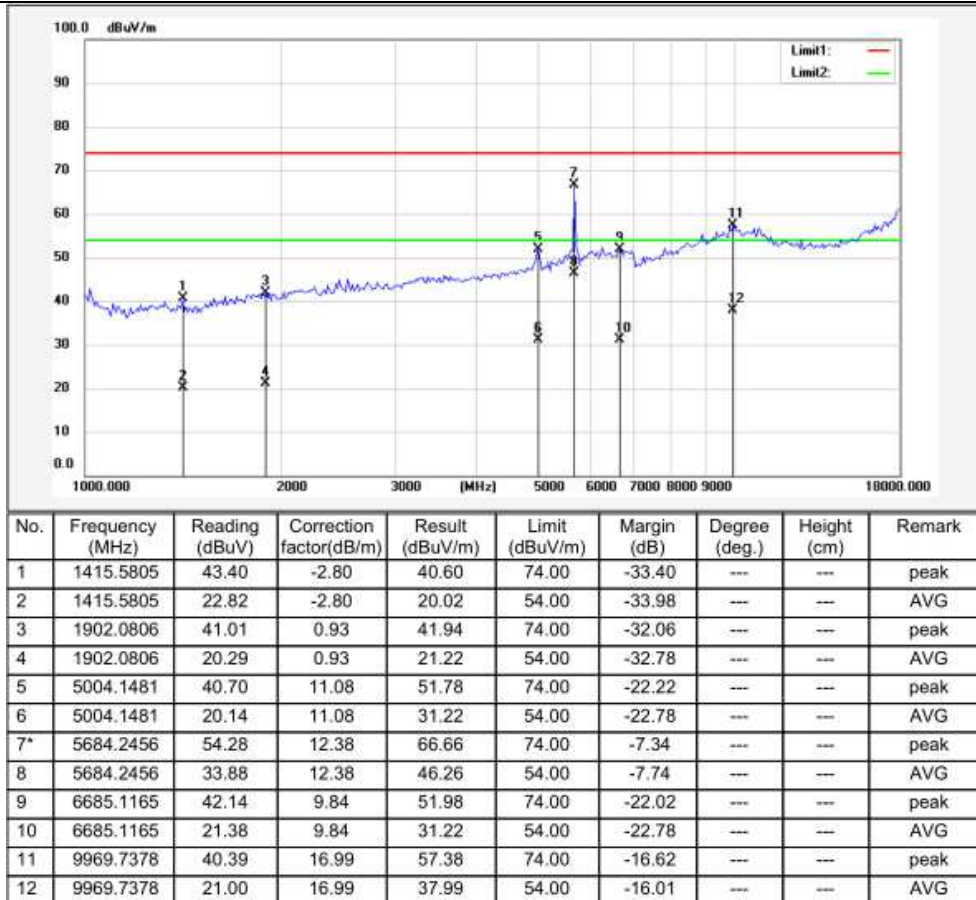


Wi-Fi 5G 11ac20_5260MHz Vertical

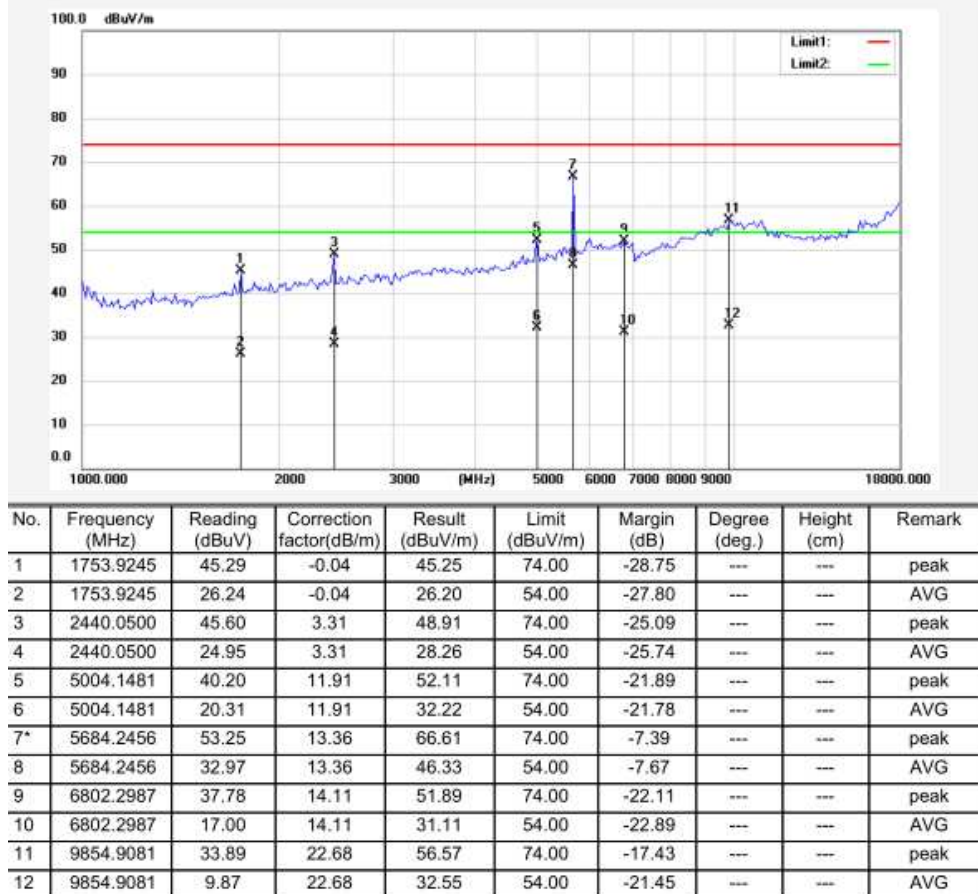


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1891.0951	41.32	1.10	42.42	74.00	-31.58	---	---	peak
2	1891.0951	21.35	1.10	22.45	54.00	-31.55	---	---	AVG
3	2440.0500	42.13	3.31	45.44	74.00	-28.56	---	---	peak
4	2440.0500	21.91	3.31	25.22	54.00	-28.78	---	---	AVG
5	5004.1481	40.56	11.91	52.47	74.00	-21.53	---	---	peak
6	5004.1481	20.54	11.91	32.45	54.00	-21.55	---	---	AVG
7*	5684.2456	53.12	13.36	66.48	74.00	-7.52	---	---	peak
8	5684.2456	32.90	13.36	46.26	54.00	-7.74	---	---	AVG
9	6961.7434	38.60	13.93	52.53	74.00	-21.47	---	---	peak
10	6961.7434	18.20	13.93	32.13	54.00	-21.87	---	---	AVG
11	10144.4958	34.40	22.69	57.09	74.00	-16.91	---	---	peak
12	10144.4958	15.30	22.69	37.99	54.00	-16.01	---	---	AVG

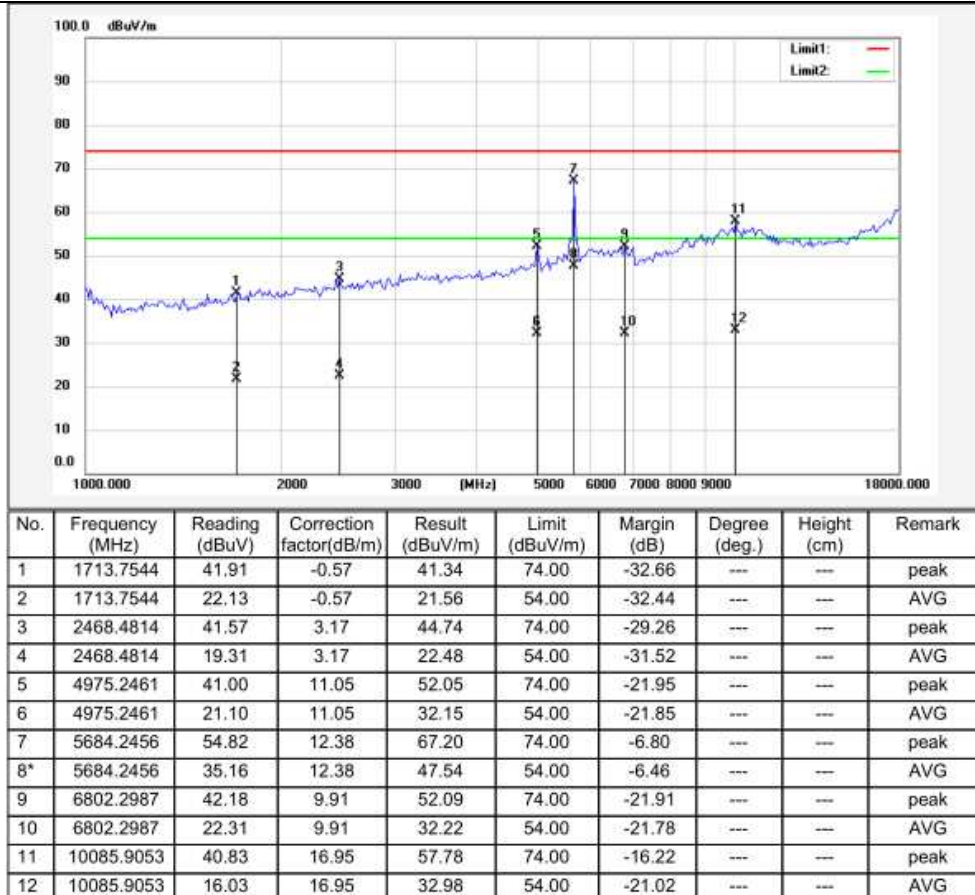
Wi-Fi 5G 11ac20_5700MHz Horizontal



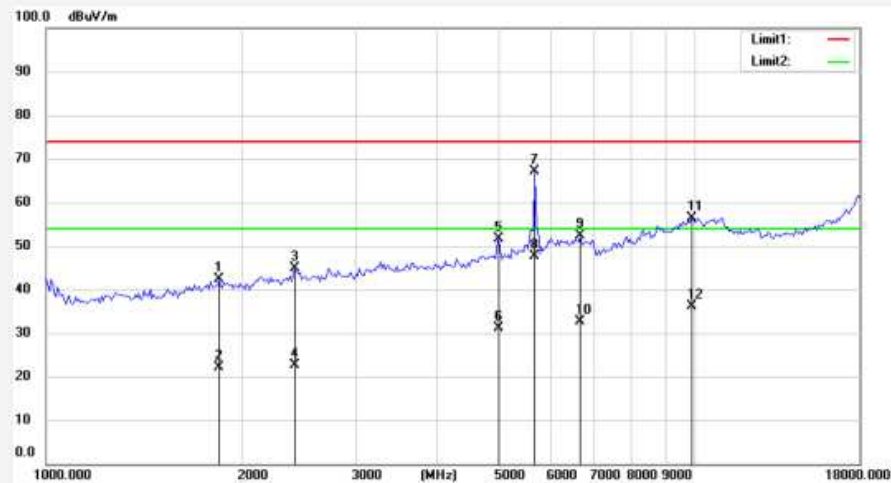
Wi-Fi 5G 11ac20_5700MHz Vertical



Wi-Fi 5G 11ac20_5825MHz Horizontal



Wi-Fi 5G 11ac20_5825MHz Vertical

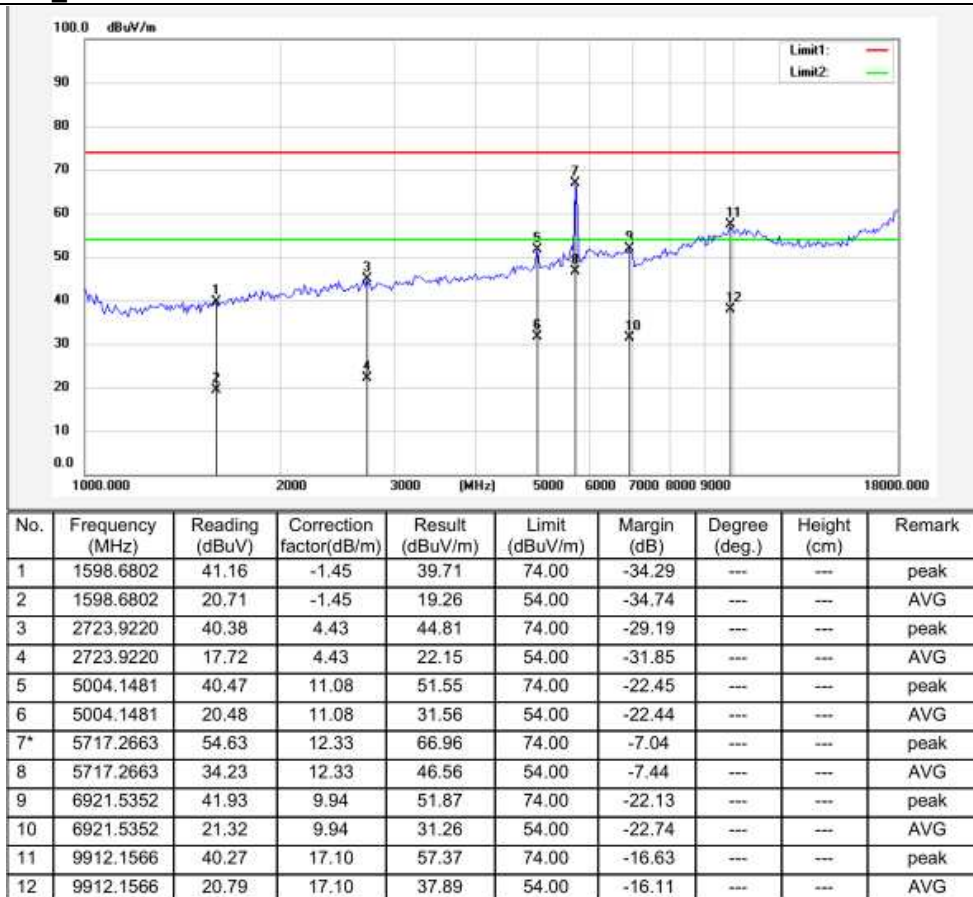


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	1847.7835	41.53	0.94	42.47	74.00	-31.53	---	---	peak
2	1847.7835	21.28	0.94	22.22	54.00	-31.78	---	---	AVG
3	2425.9573	41.52	3.26	44.78	74.00	-29.22	---	---	peak
4	2425.9573	19.29	3.26	22.55	54.00	-31.45	---	---	AVG
5	5004.1481	39.78	11.91	51.69	74.00	-22.31	---	---	peak
6	5004.1481	19.31	11.91	31.22	54.00	-22.78	---	---	AVG
7	5684.2456	53.83	13.36	67.19	74.00	-6.81	---	---	peak
8*	5684.2456	34.23	13.36	47.59	54.00	-6.41	---	---	AVG
9	6685.1165	38.20	14.15	52.35	74.00	-21.65	---	---	peak
10	6685.1165	18.41	14.15	32.56	54.00	-21.44	---	---	AVG
11	9912.1566	33.50	22.86	56.36	74.00	-17.64	---	---	peak
12	9912.1566	13.29	22.86	36.15	54.00	-17.85	---	---	AVG

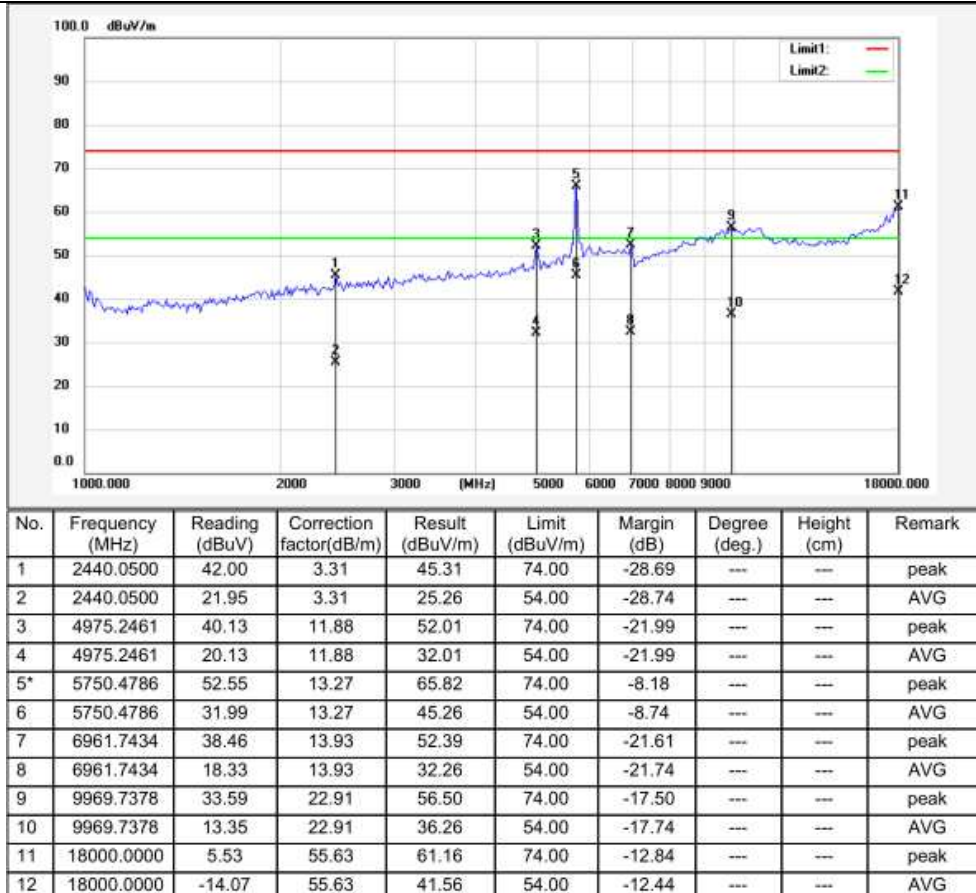
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Wi-Fi 5G 802.11ac40:

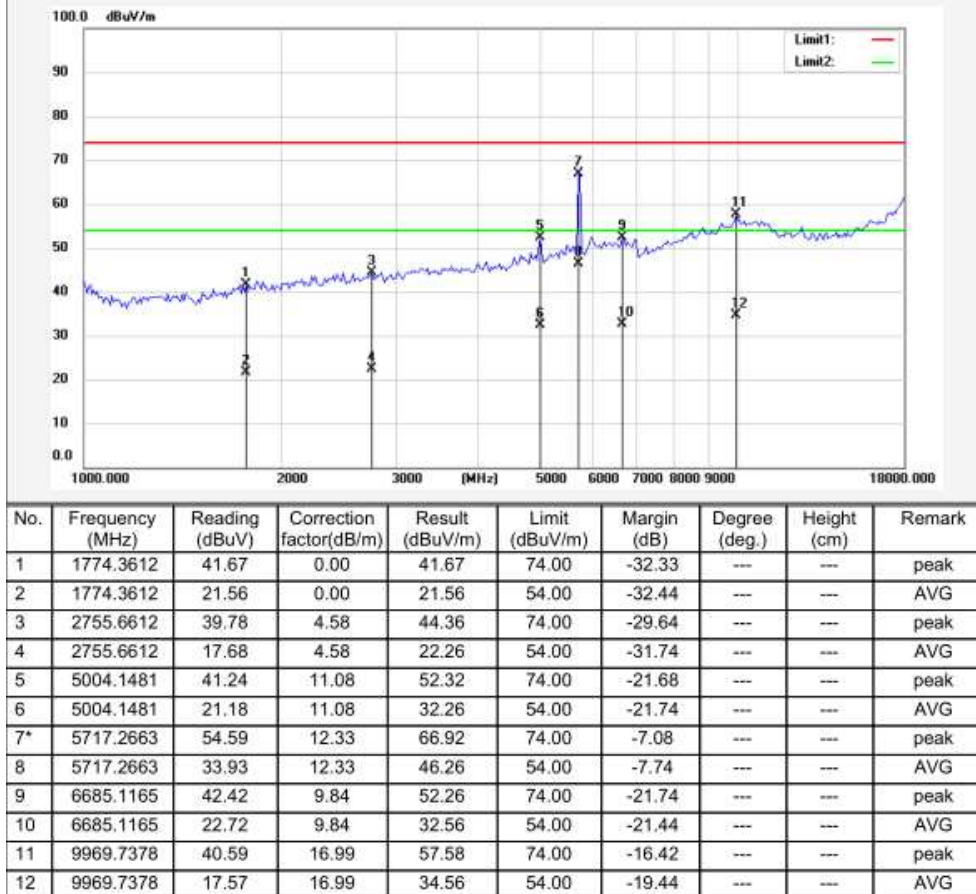
Wi-Fi 5G 11ac40_5230MHz Horizontal



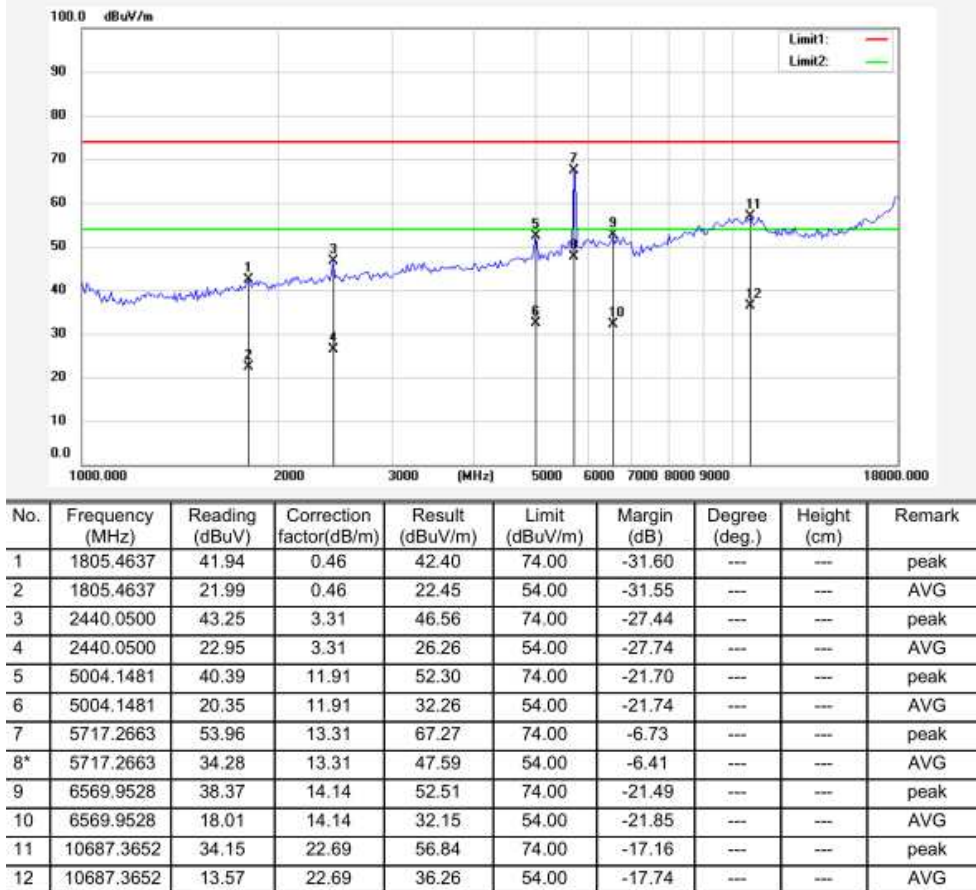
Wi-Fi 5G 11ac40_5230MHz Vertical



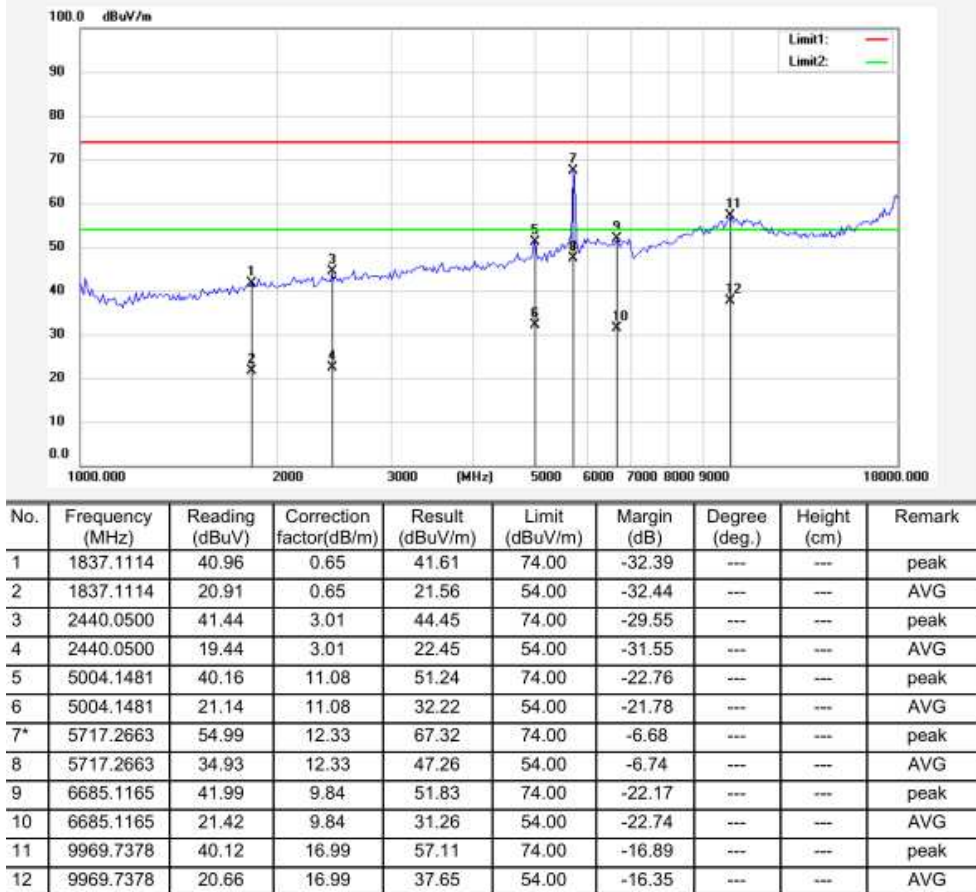
Wi-Fi 5G 11ac40_5270MHz Horizontal



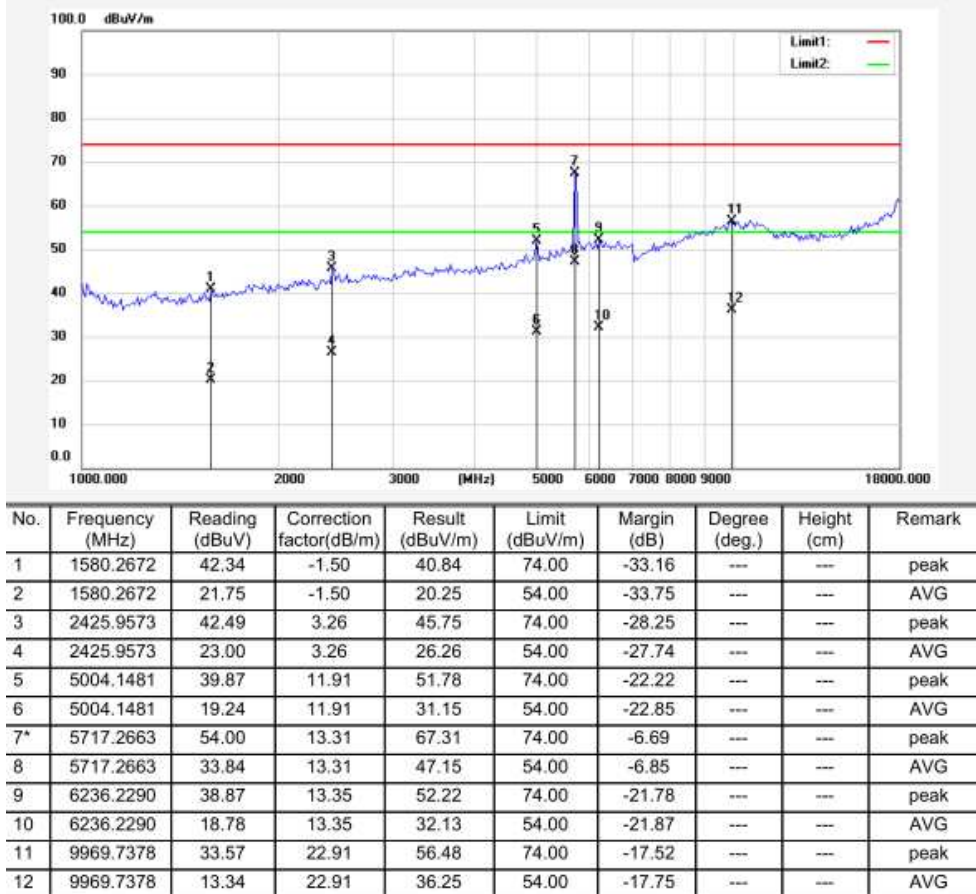
Wi-Fi 5G 11ac40_5270MHz Vertical



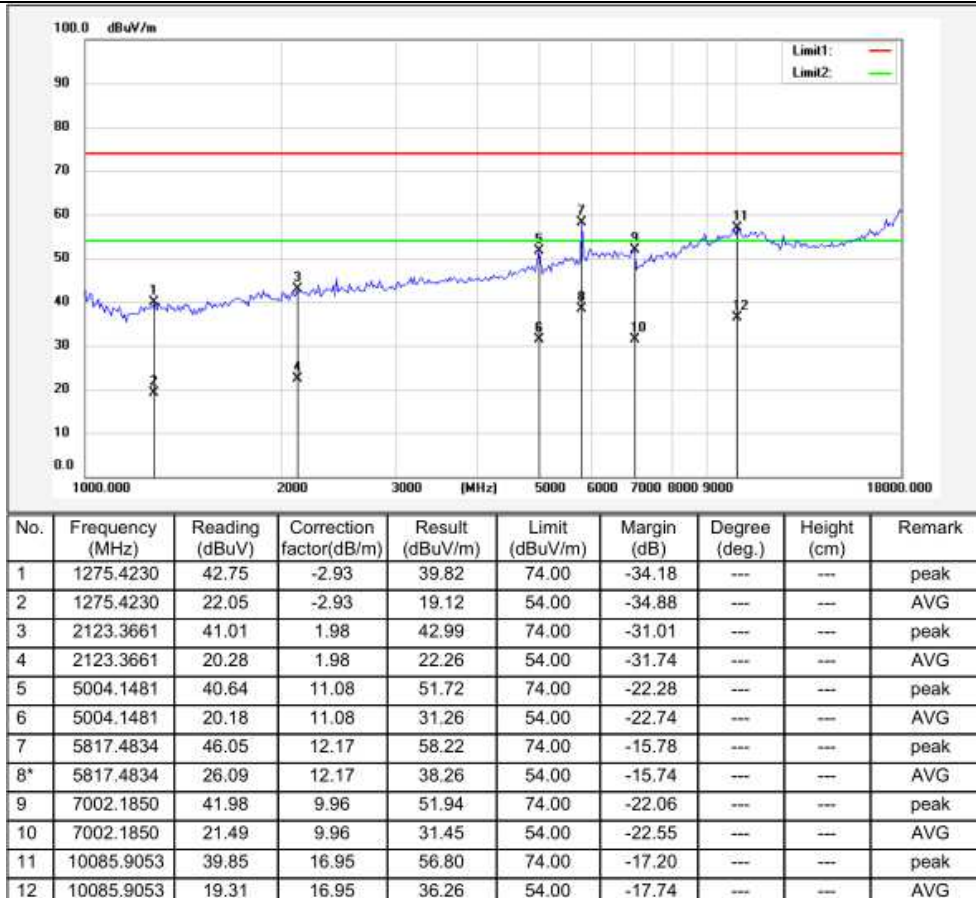
Wi-Fi 5G 11ac40_5590MHz Horizontal



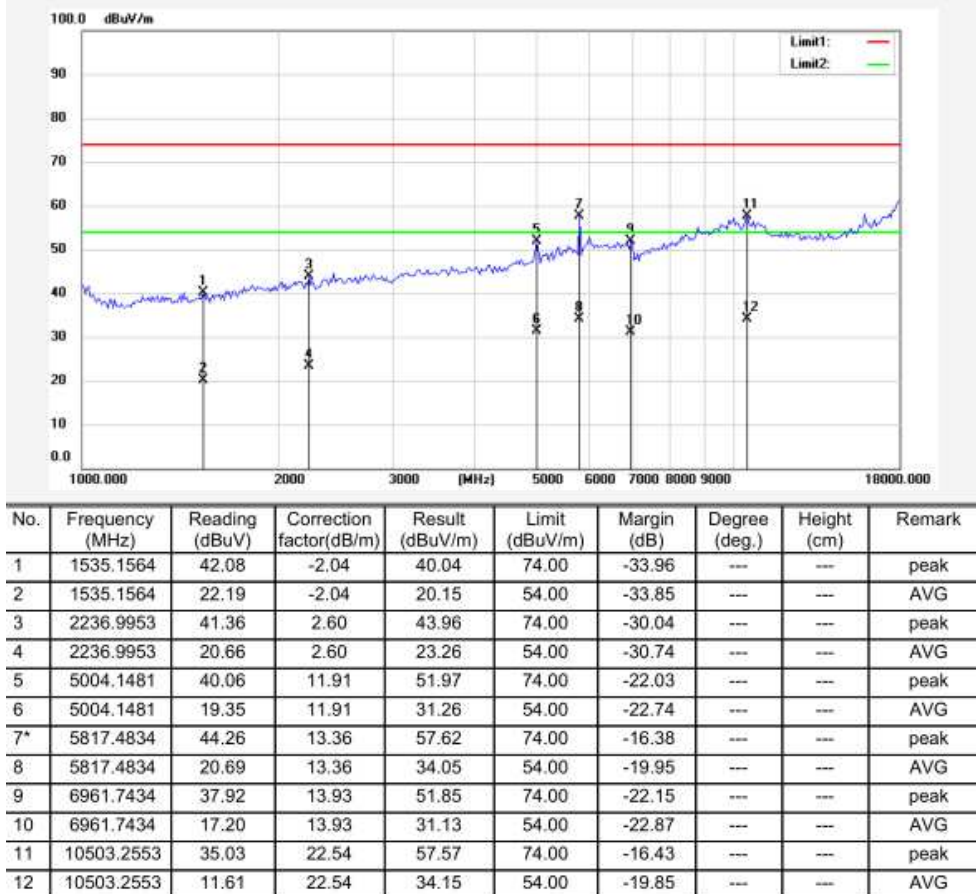
Wi-Fi 5G 11ac40_5590MHz Vertical



Wi-Fi 5G 11ac40_5795MHz Horizontal

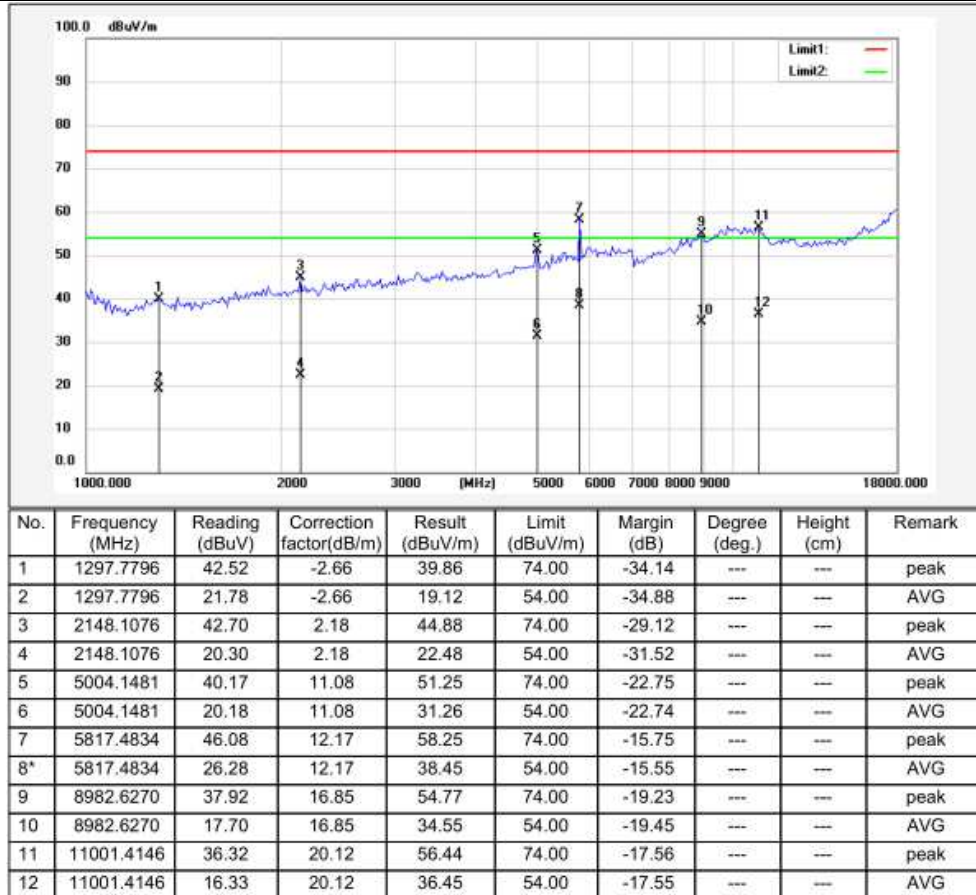


Wi-Fi 5G 11ac40_5795MHz Vertical

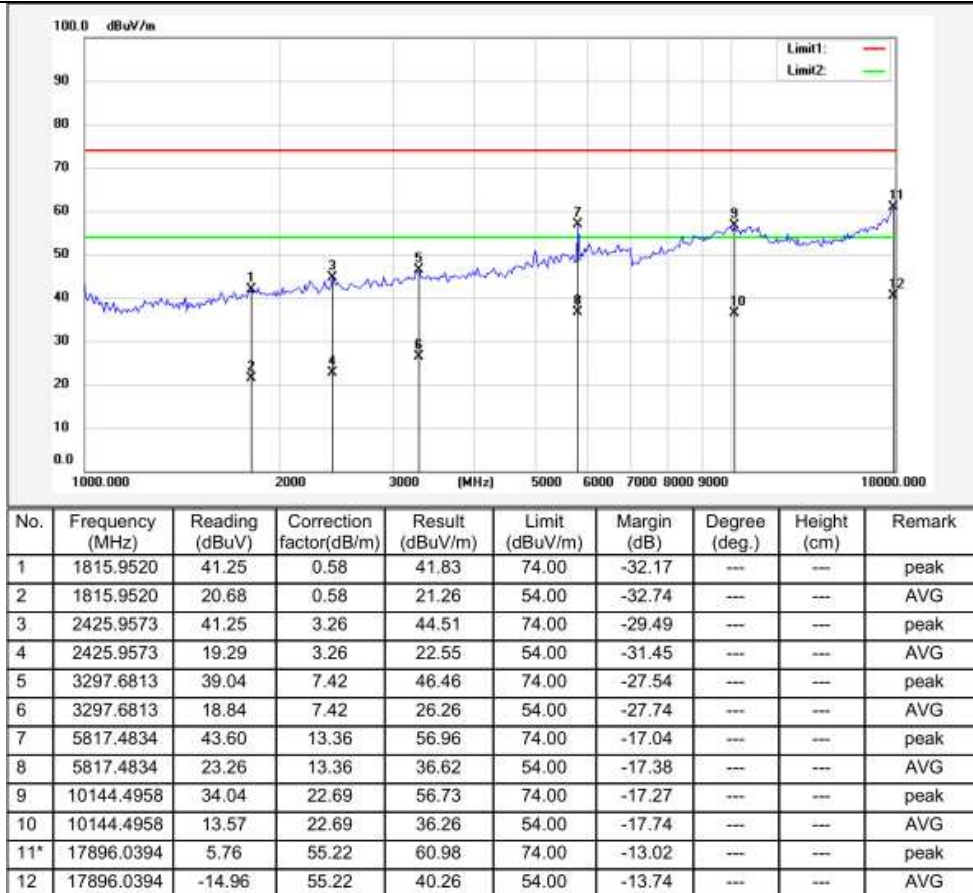


Wi-Fi 5G 802.11ac80:

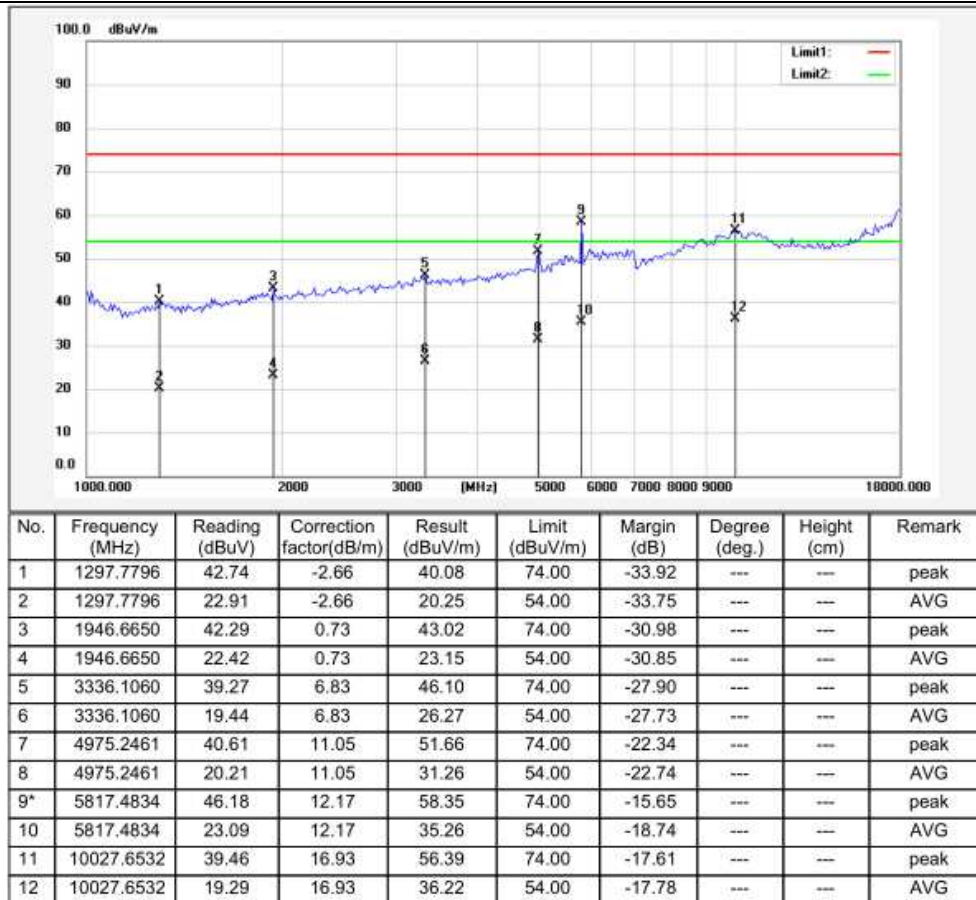
Wi-Fi 5G 11ac80_5210MHz Horizontal



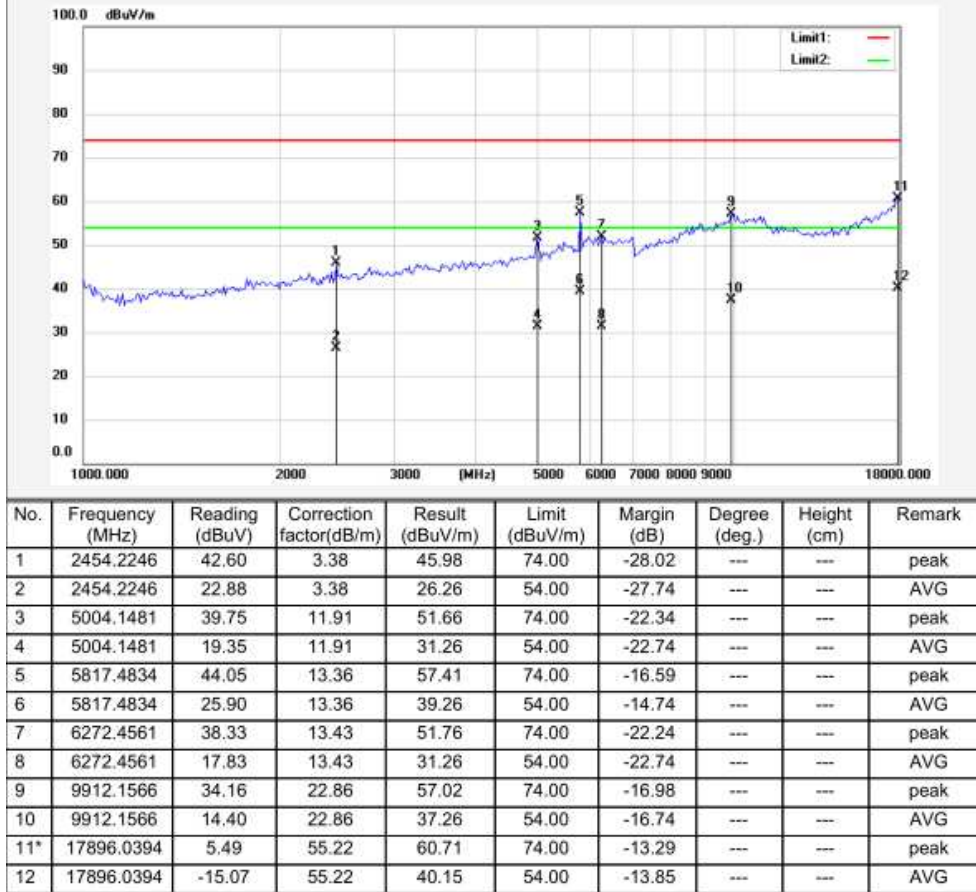
Wi-Fi 5G 11ac80_5210MHz Vertical



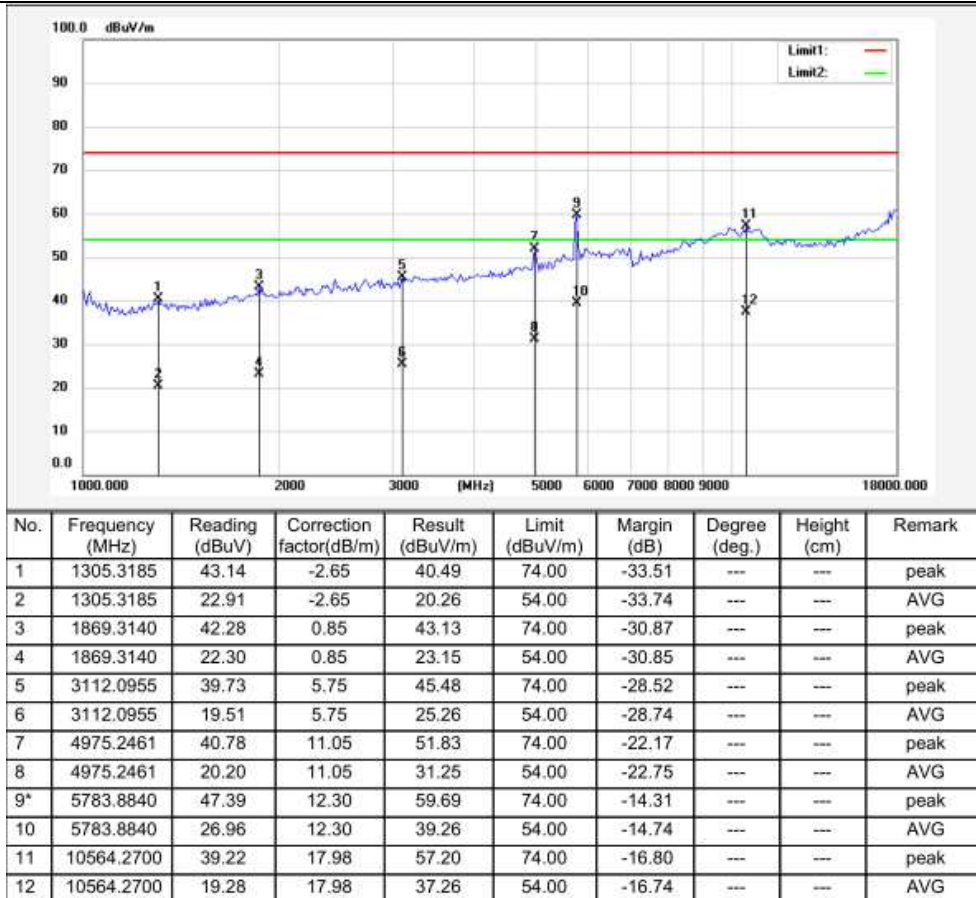
Wi-Fi 5G 11ac80_5290MHz Horizontal



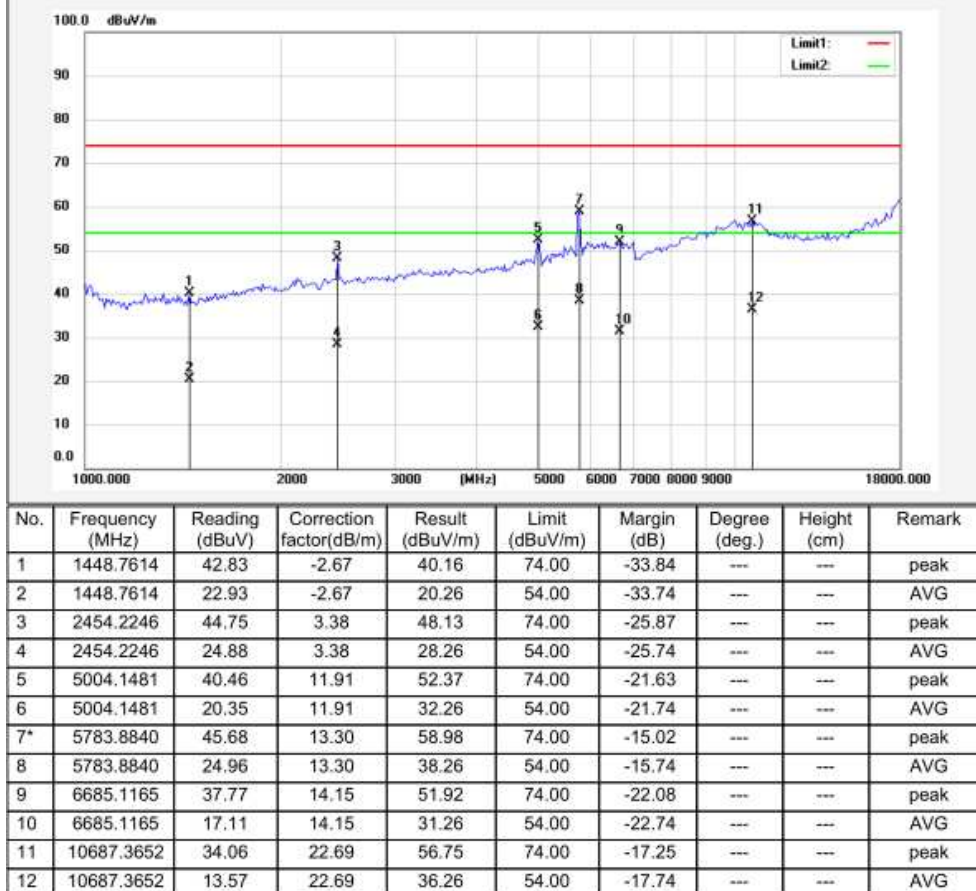
Wi-Fi 5G 11ac80_5290MHz Vertical



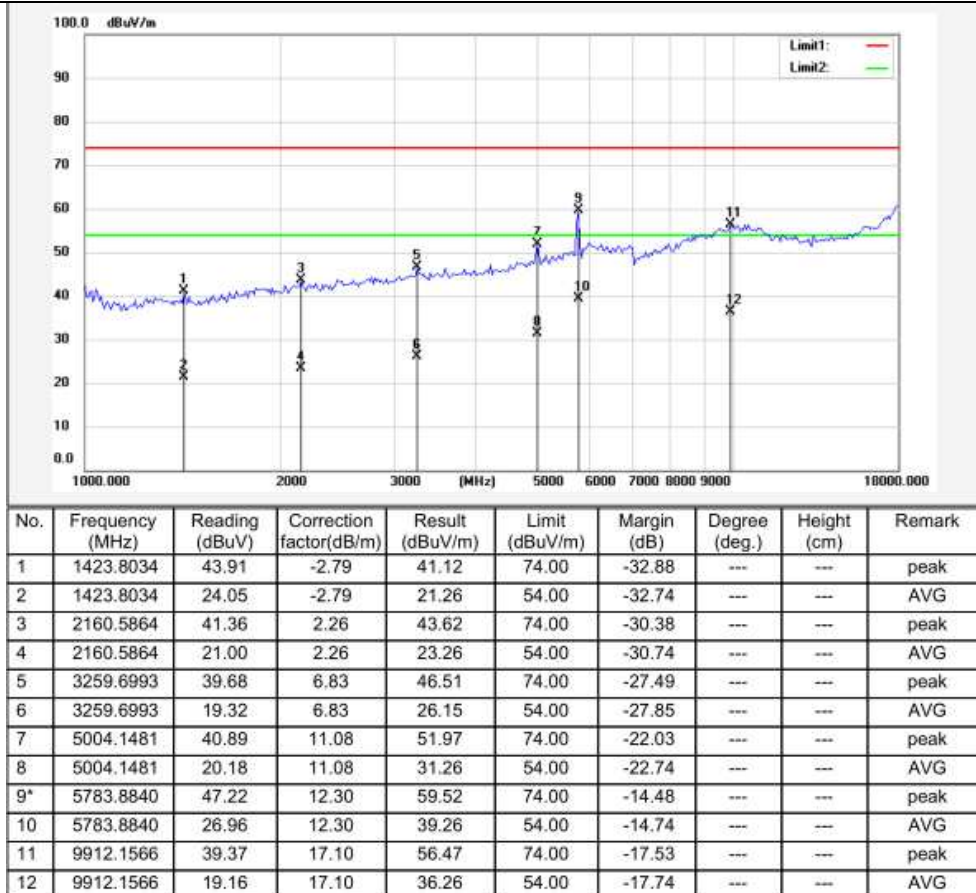
Wi-Fi 5G 11ac80_5610MHz Horizontal



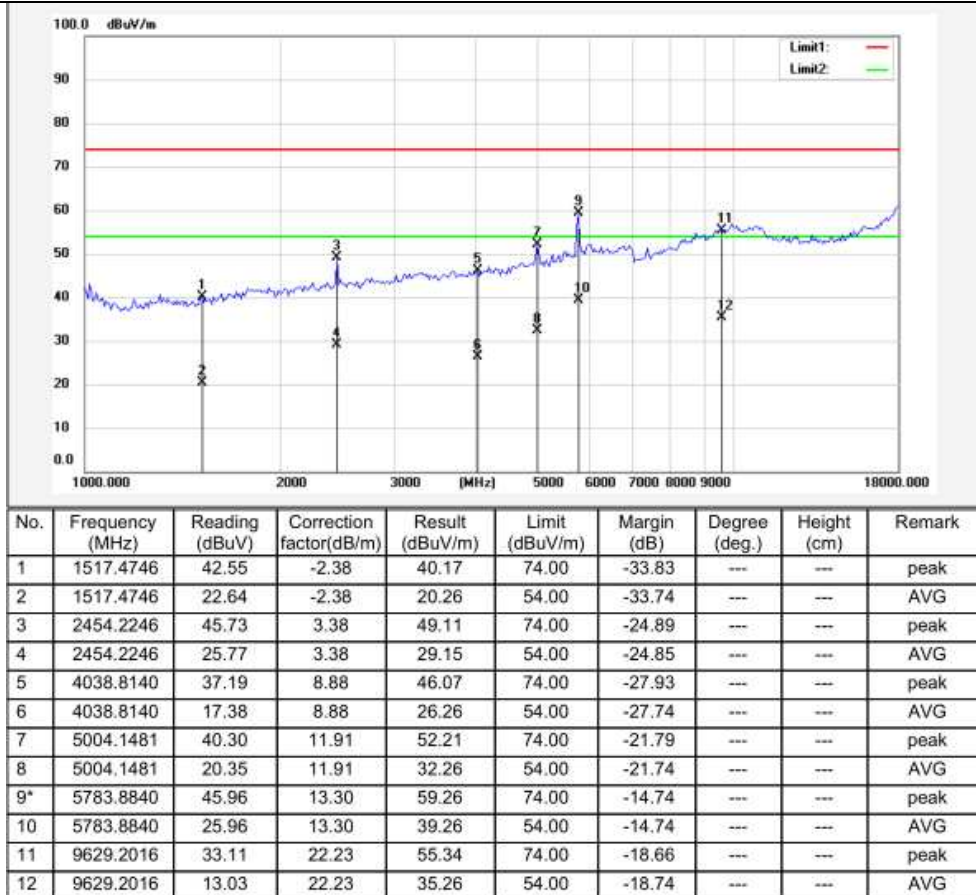
Wi-Fi 5G 11ac80_5610MHz Vertical



Wi-Fi 5G 11ac80_5775MHz Horizontal



Wi-Fi 5G 11ac80_5775MHz Vertical

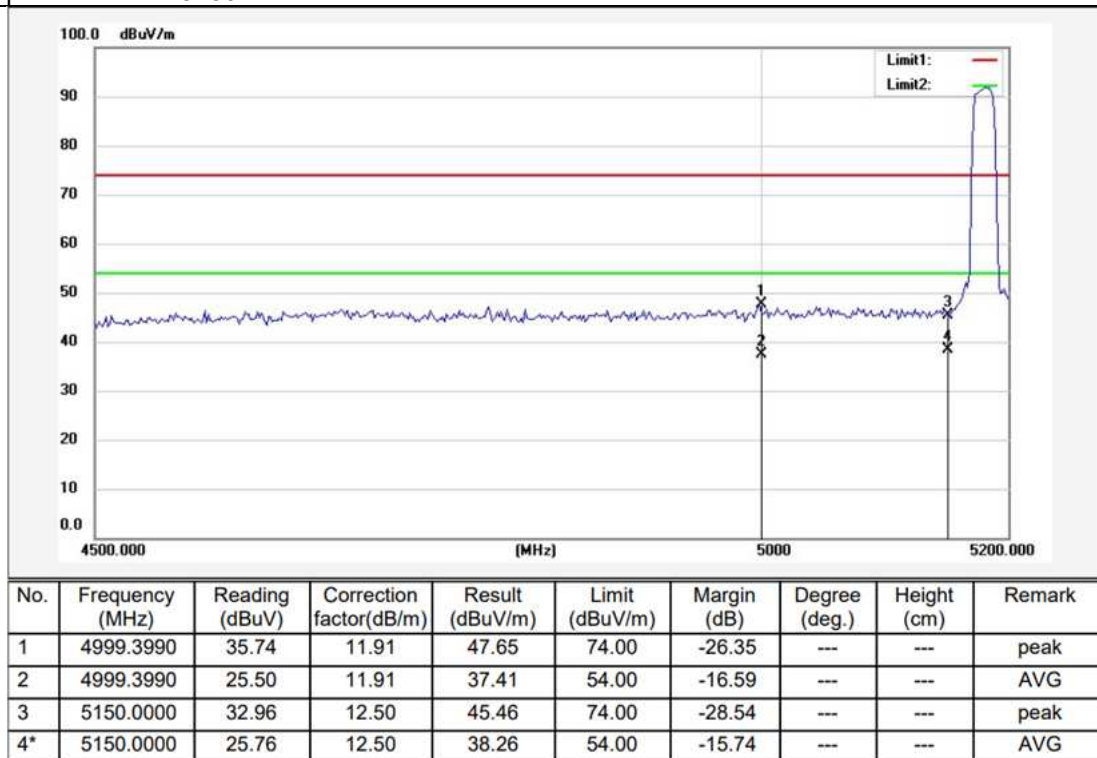


Appendix B.5: Bandedge

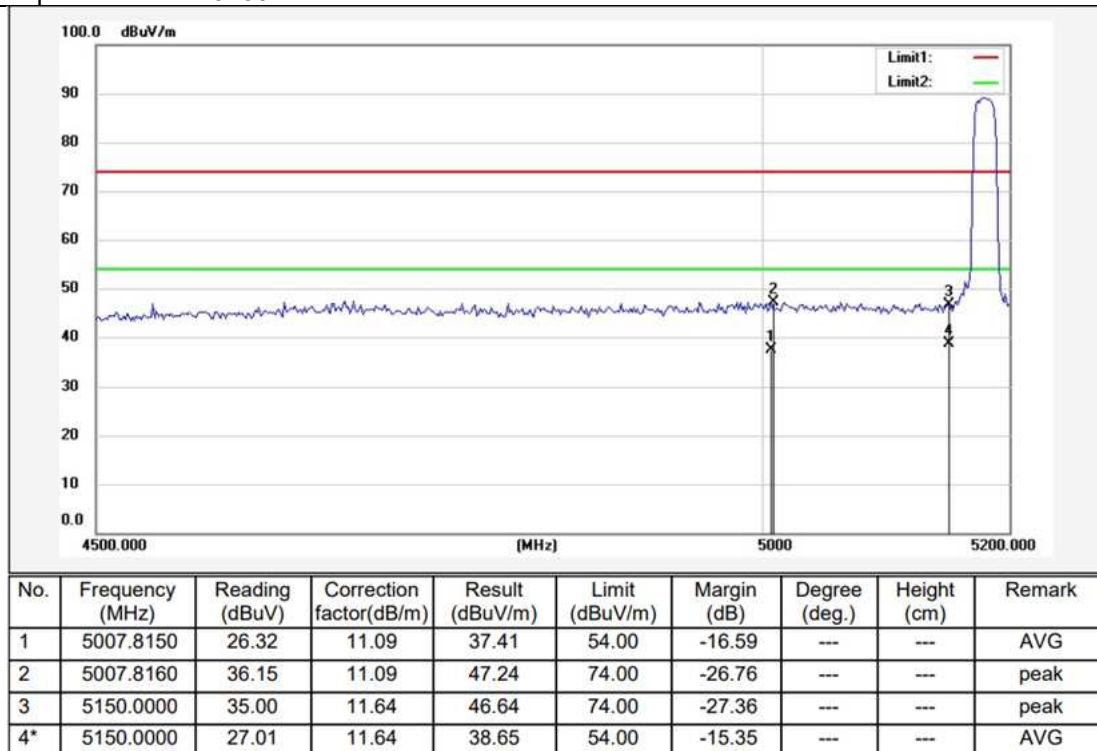
Note: 1. Both SISO and MIMO are tested, and only the worst data is reflected in the report.

Wi-Fi 802.11 a mode, 6 Mbps

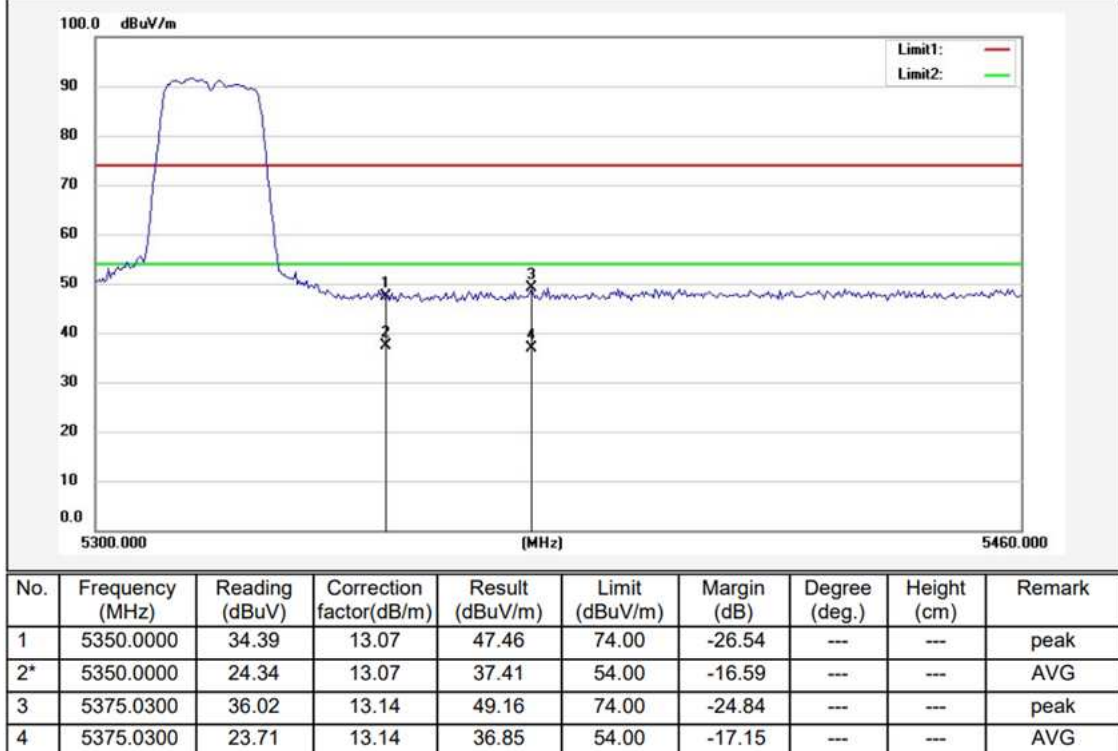
Vertical polarization of 5180 MHz



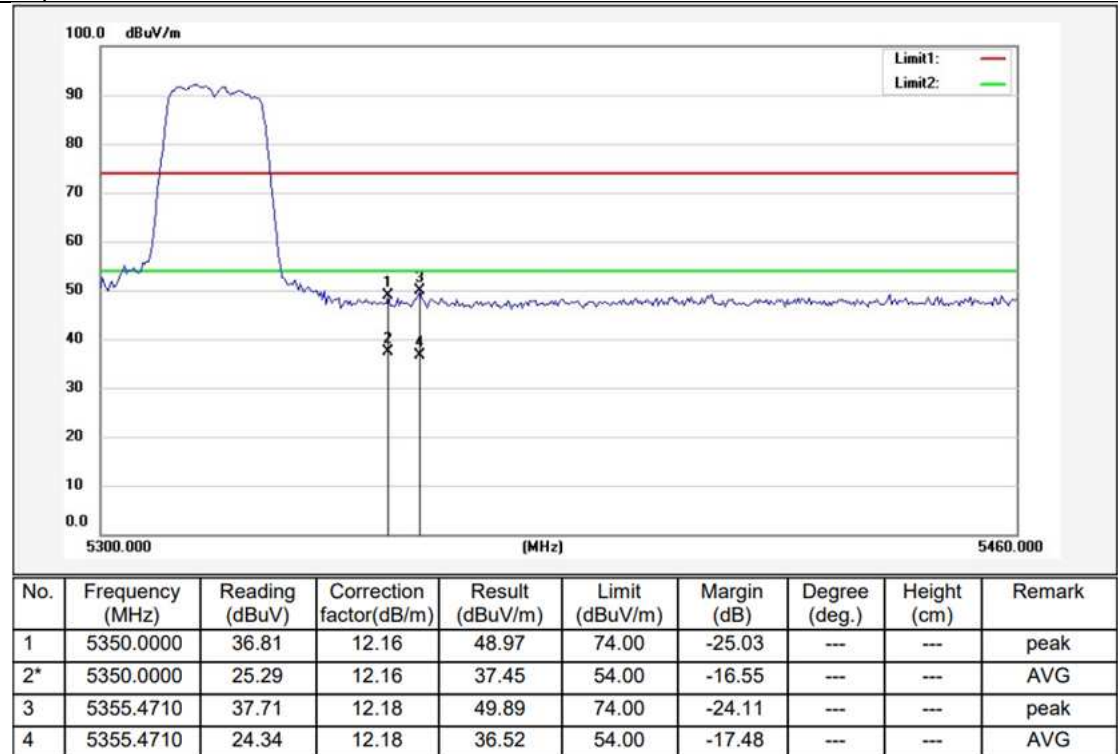
Horizontal polarization of 5180 MHz



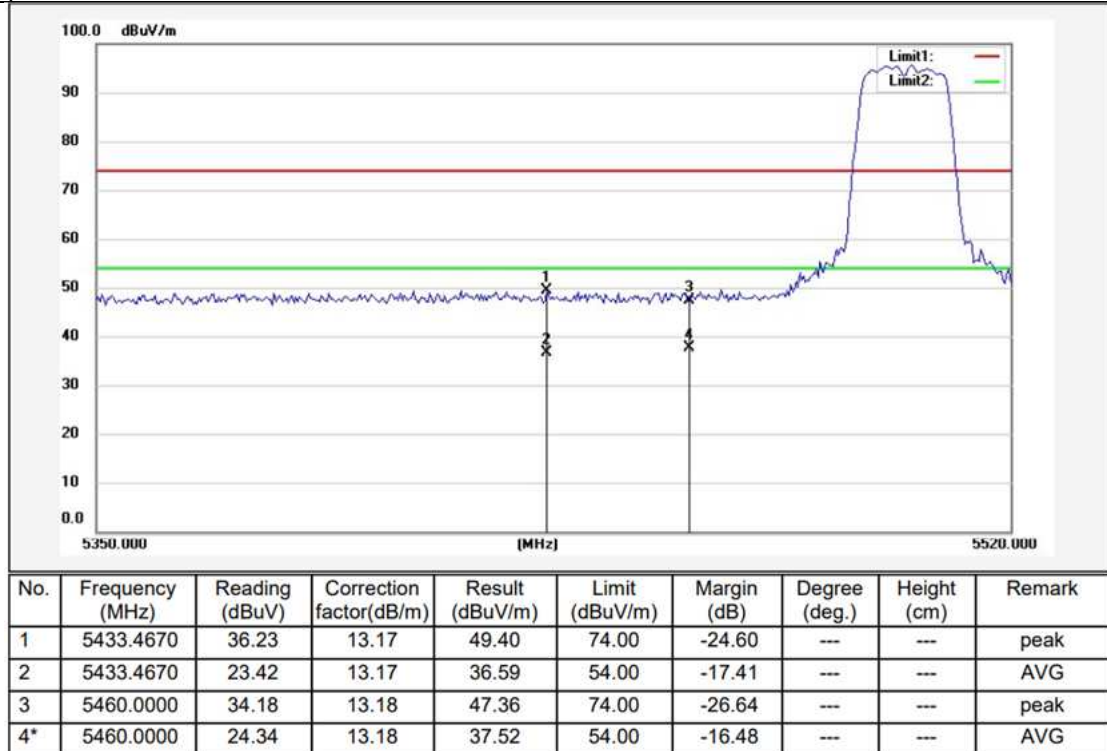
Vertical polarization of 5320 MHz



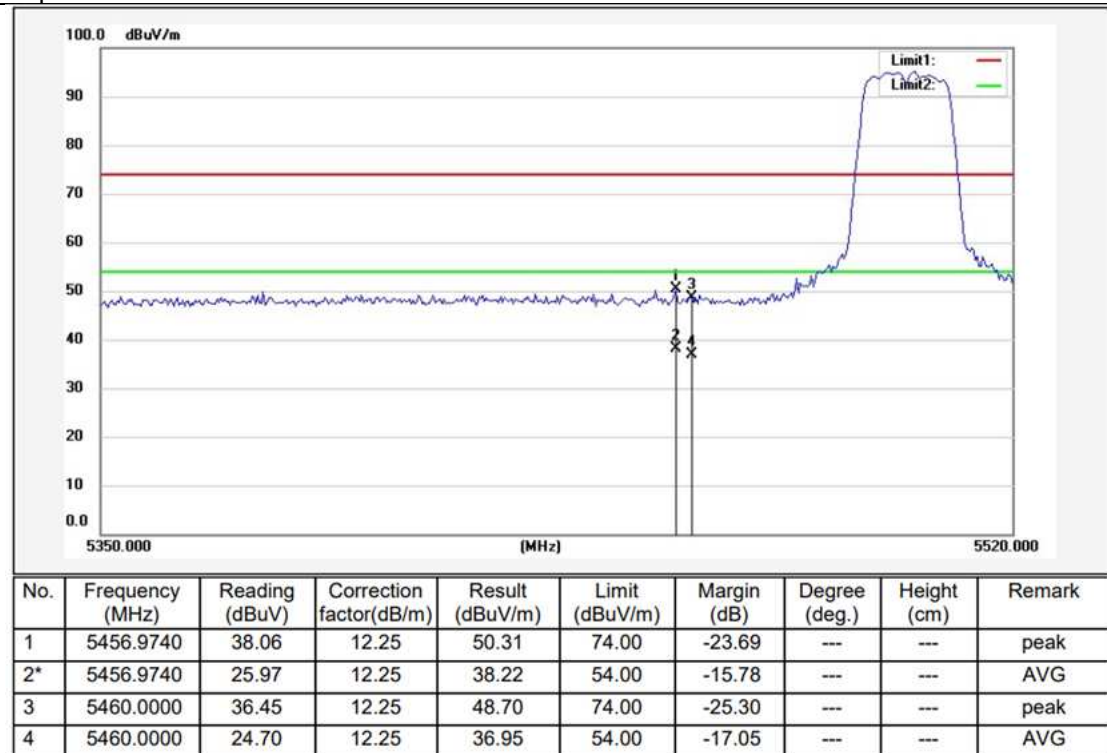
Horizontal polarization of 5320 MHz



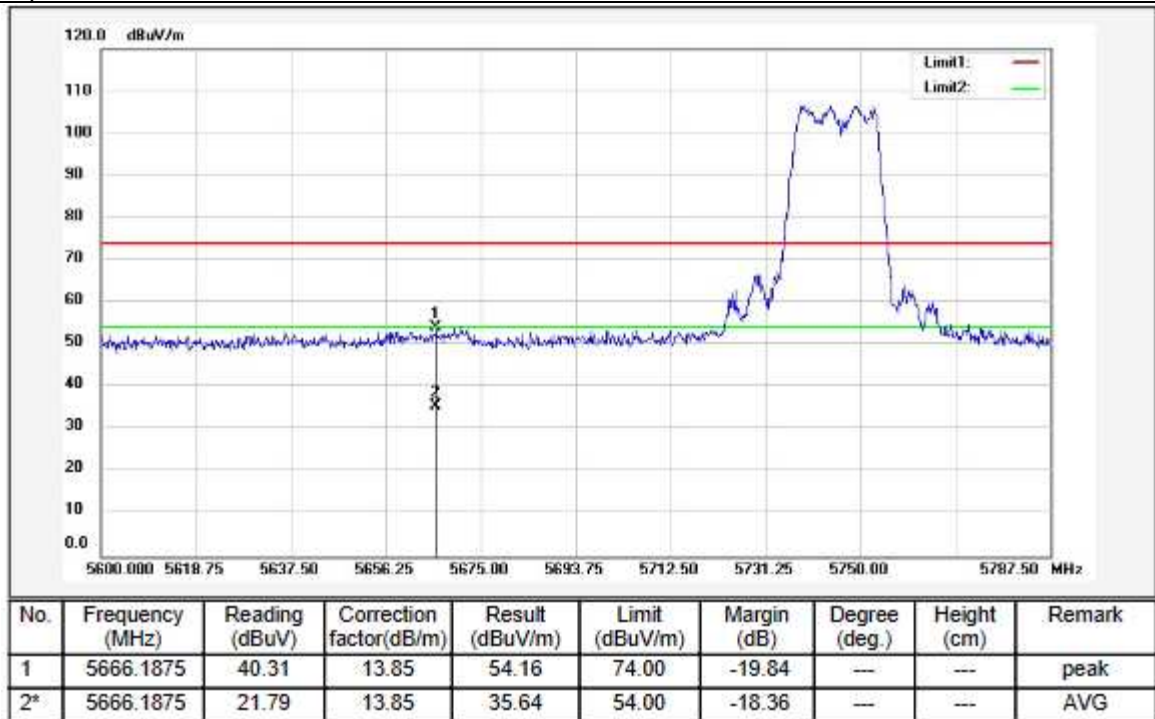
Vertical polarization of 5500 MHz



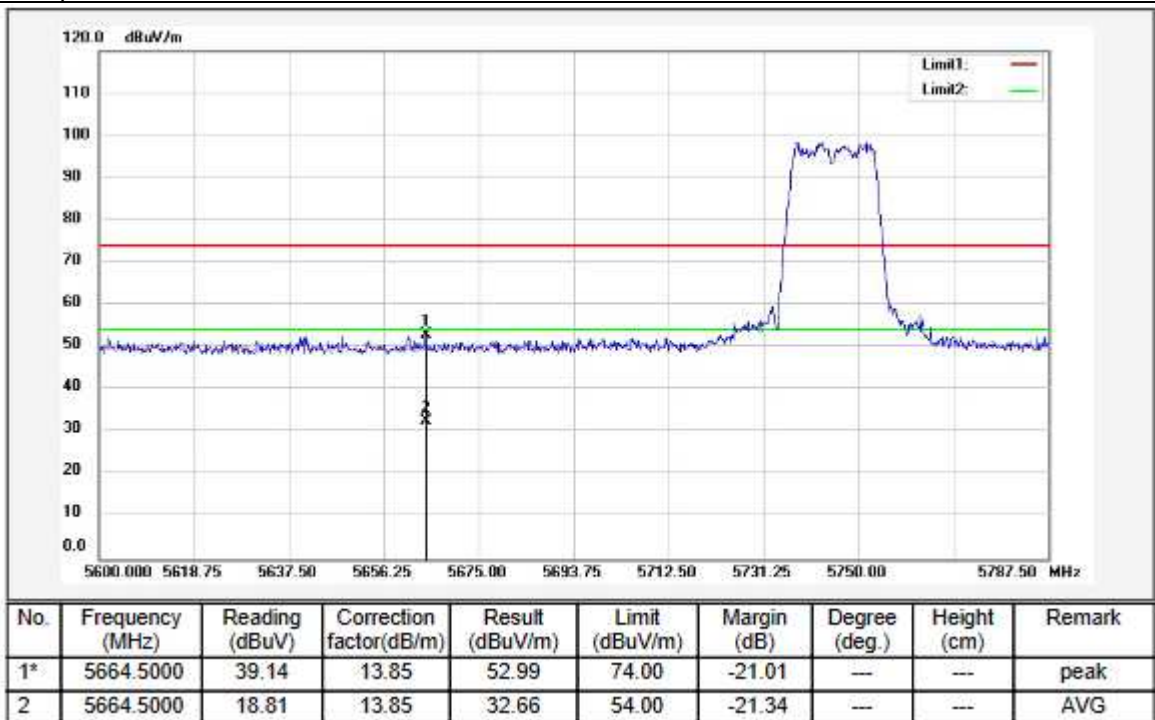
Horizontal polarization of 5500 MHz



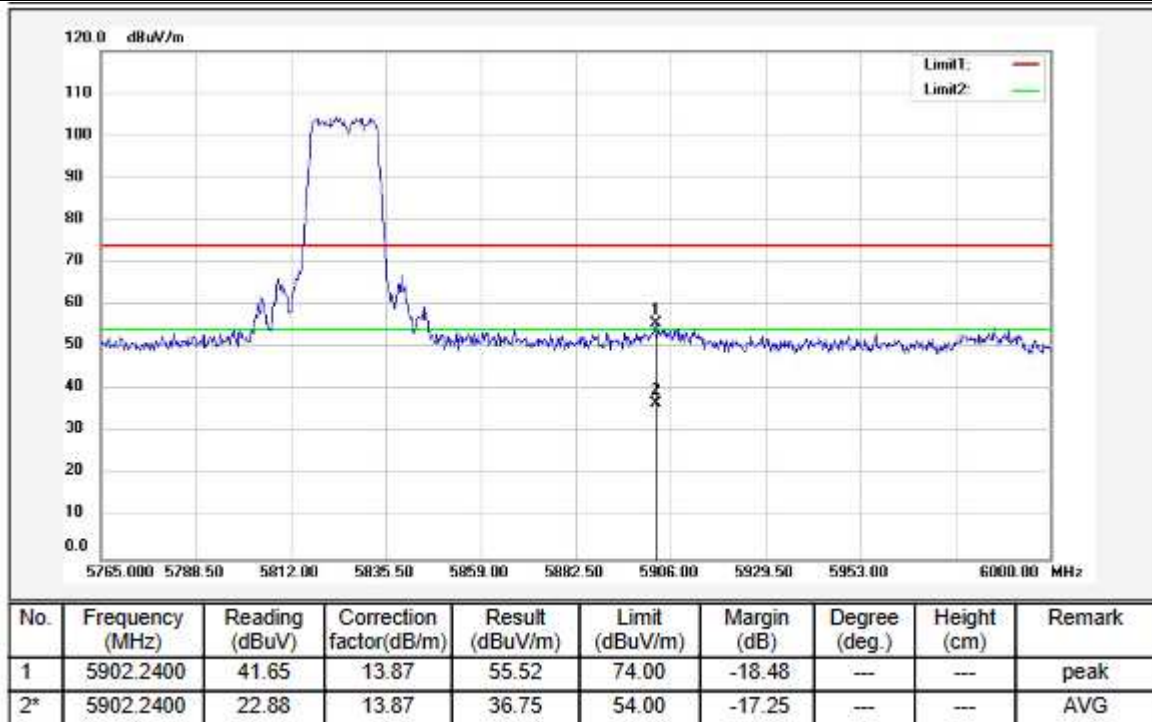
Vertical polarization of 5745 MHz



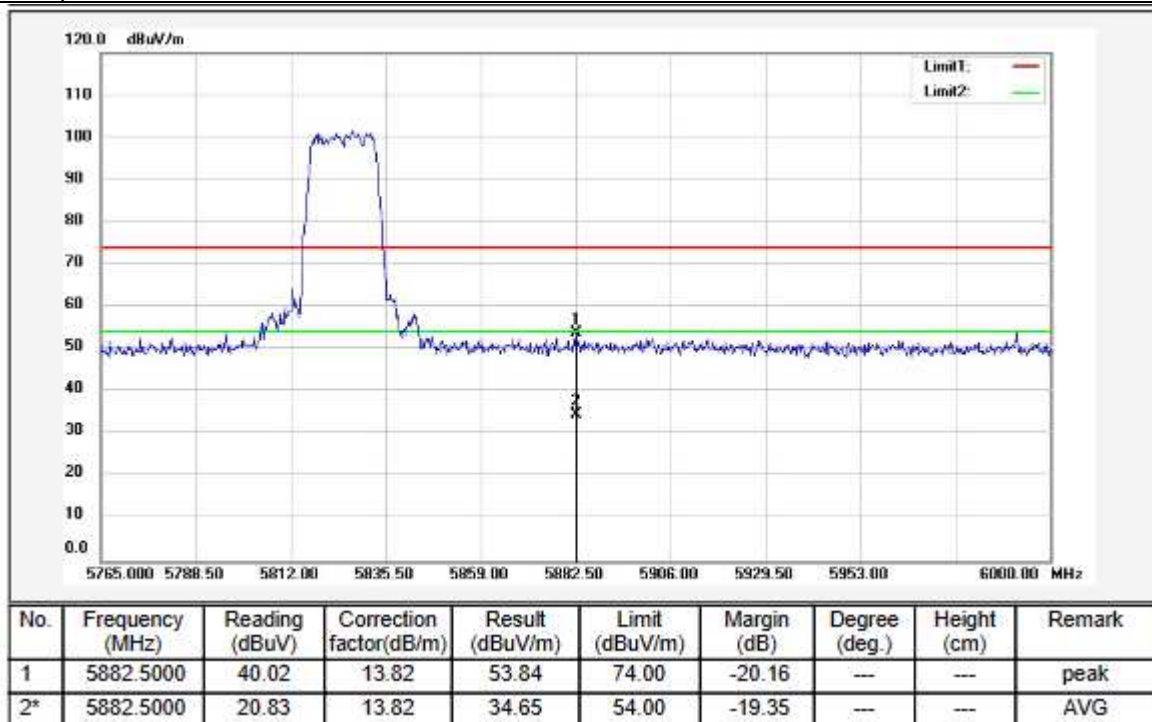
Horizontal polarization of 5745 MHz



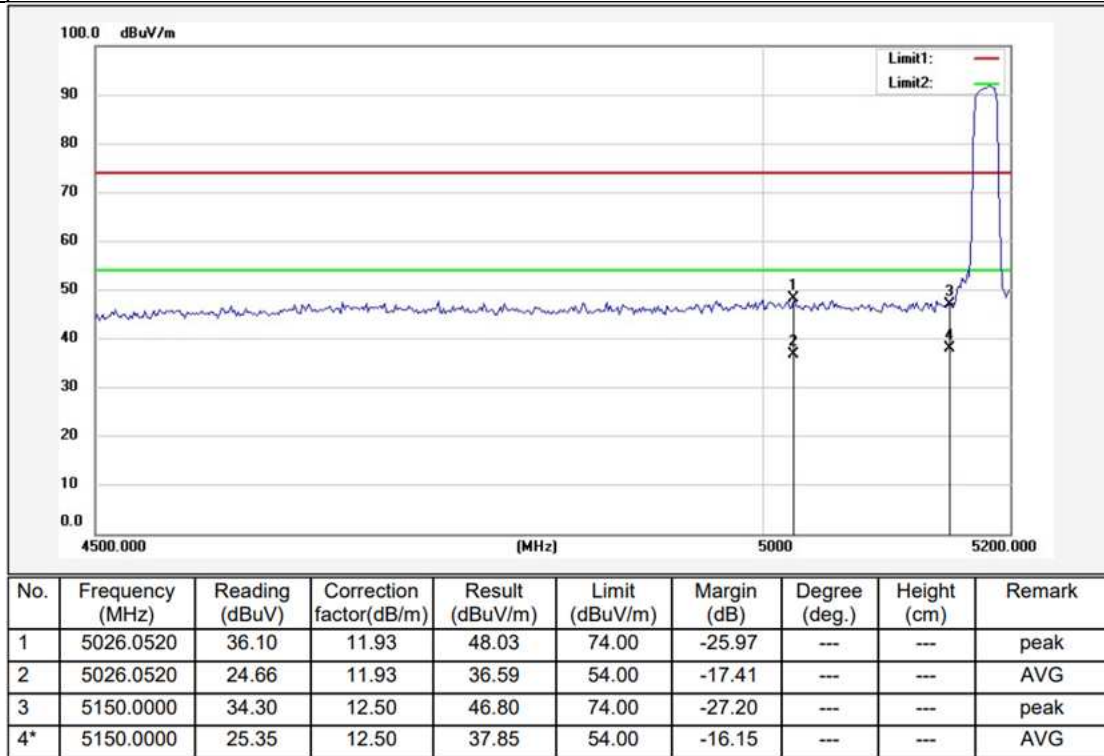
Vertical polarization of 5825 MHz



Horizontal polarization of 5825 MHz



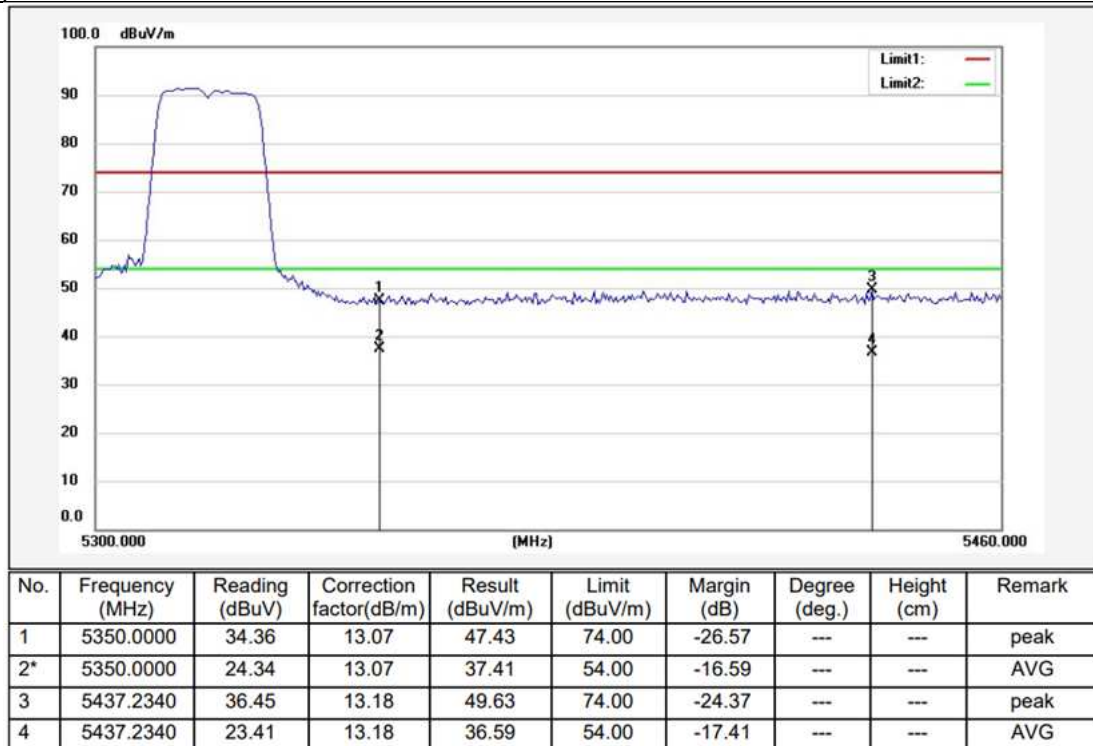
Wi-Fi 802.11n(HT20) mode, MCS0
Vertical polarization of 5180 MHz



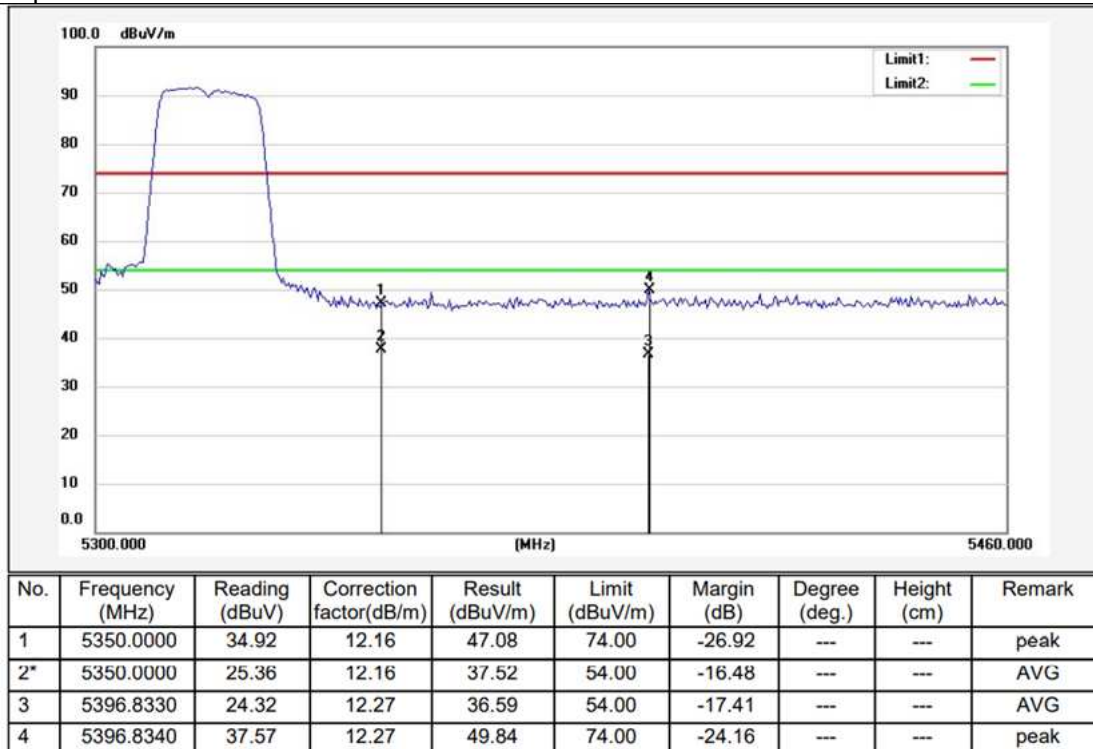
Horizontal polarization of 5180 MHz



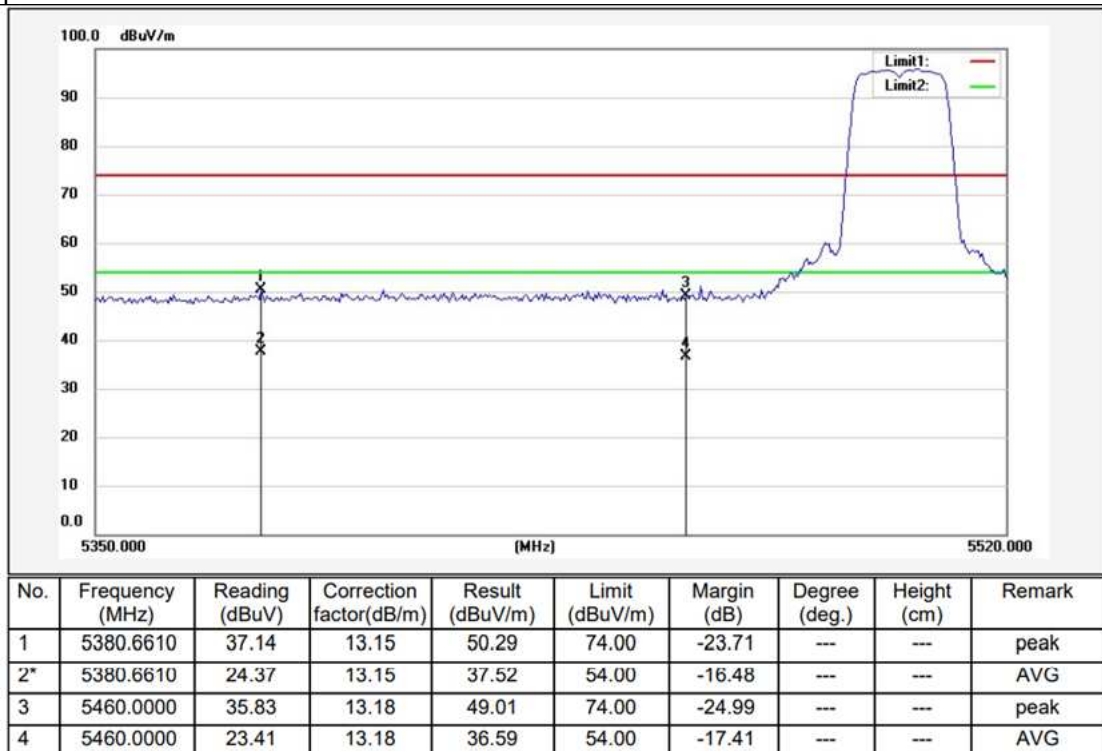
Vertical polarization of 5320 MHz



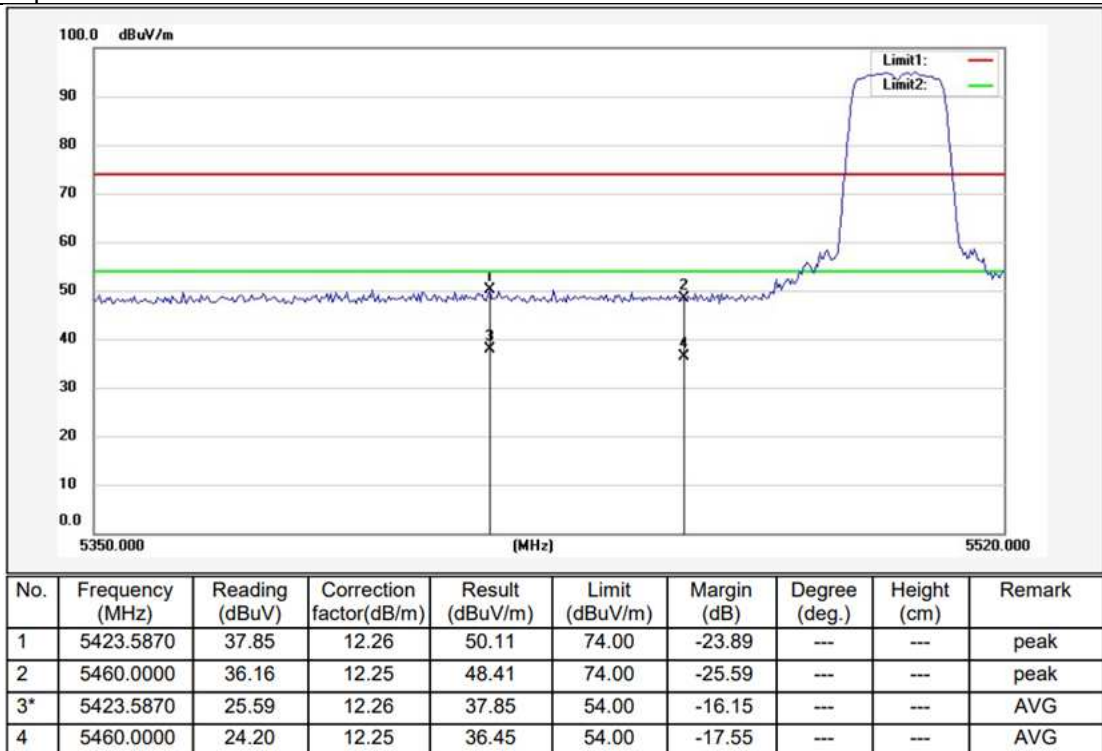
Horizontal polarization of 5320 MHz



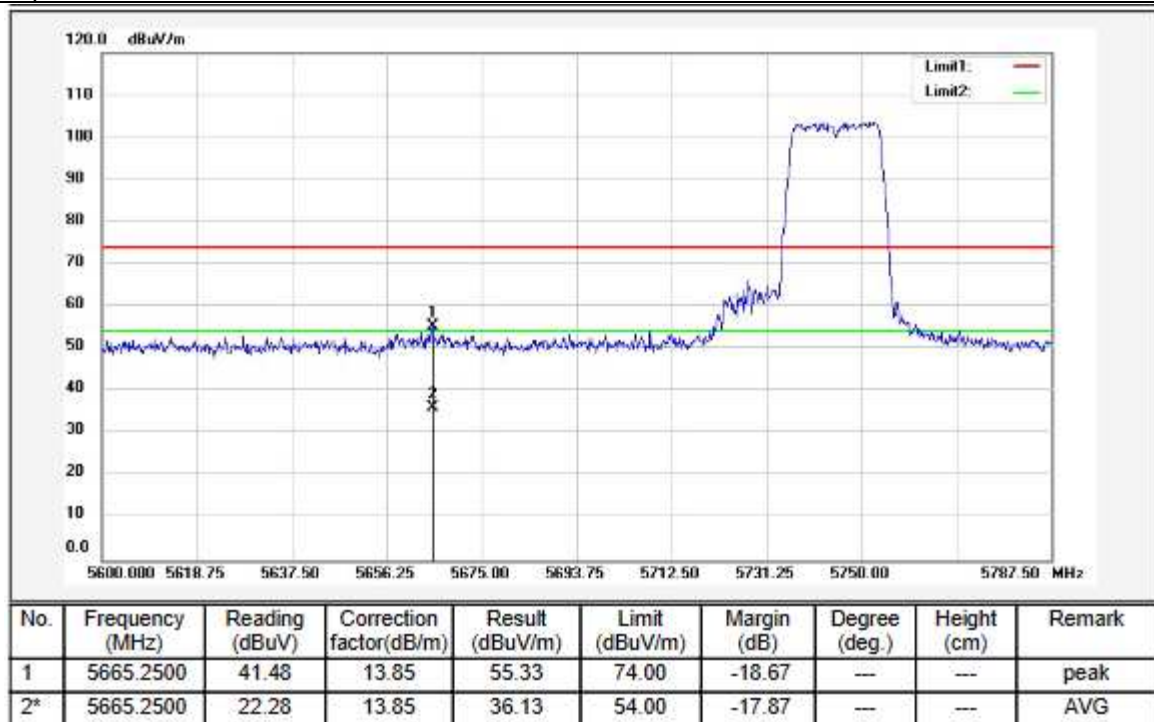
Vertical polarization of 5500 MHz



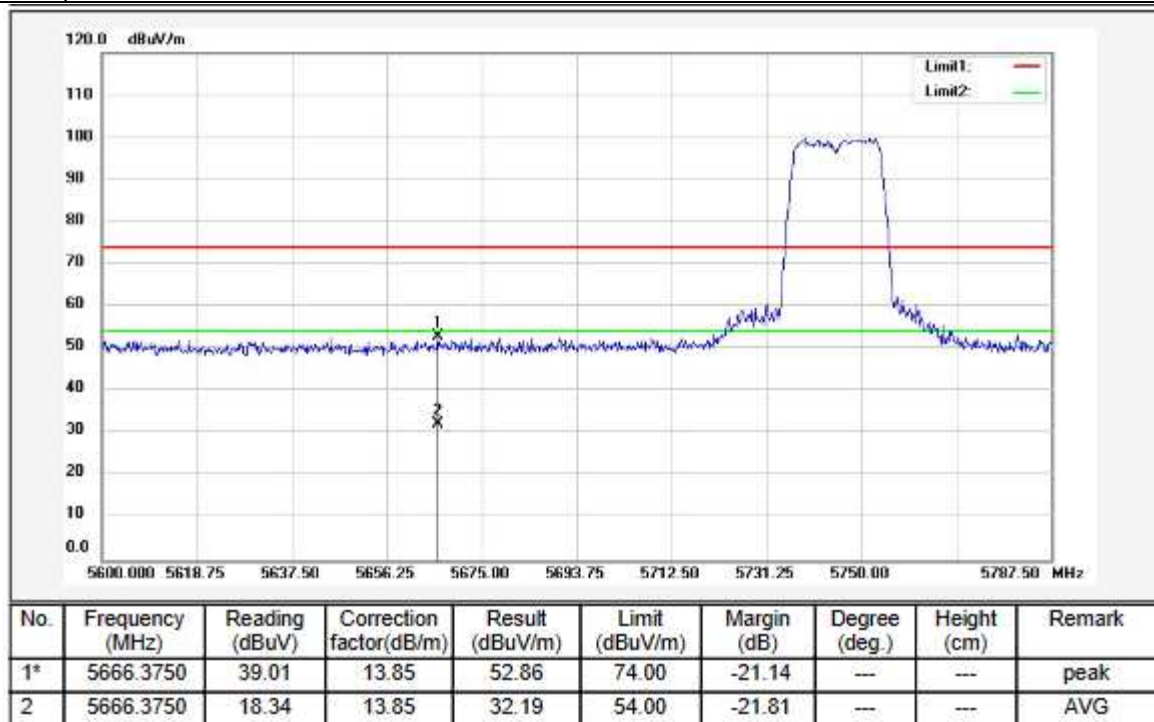
Horizontal polarization of 5500 MHz



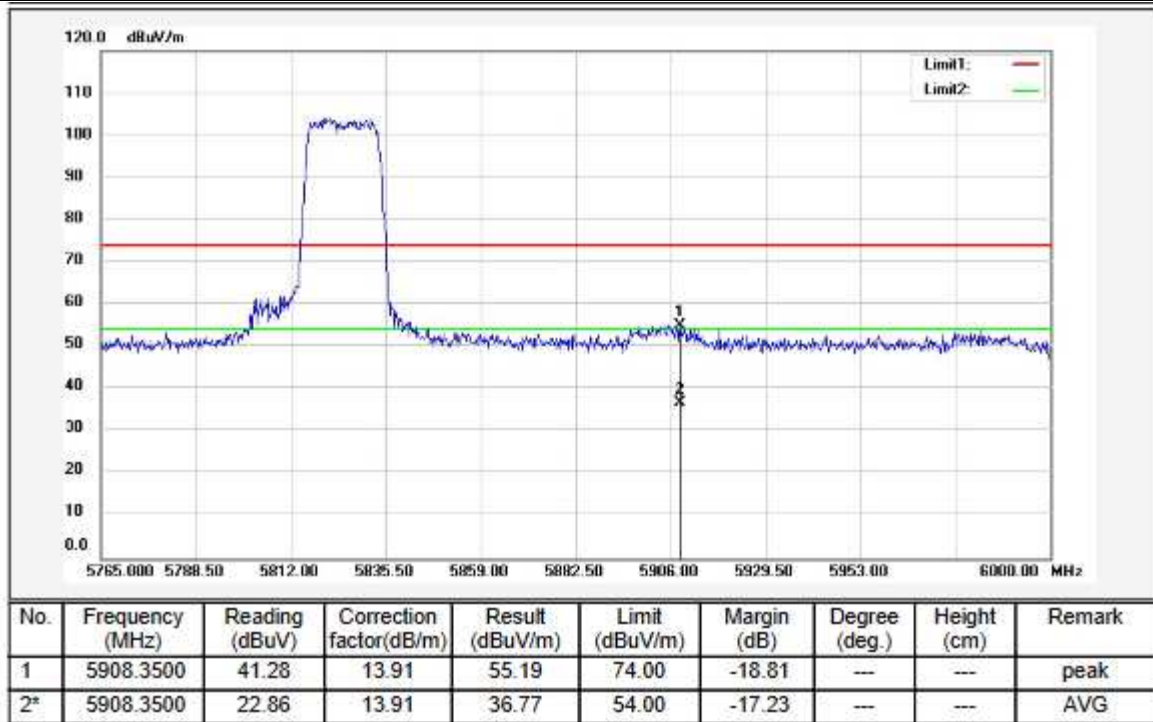
Vertical polarization of 5745 MHz



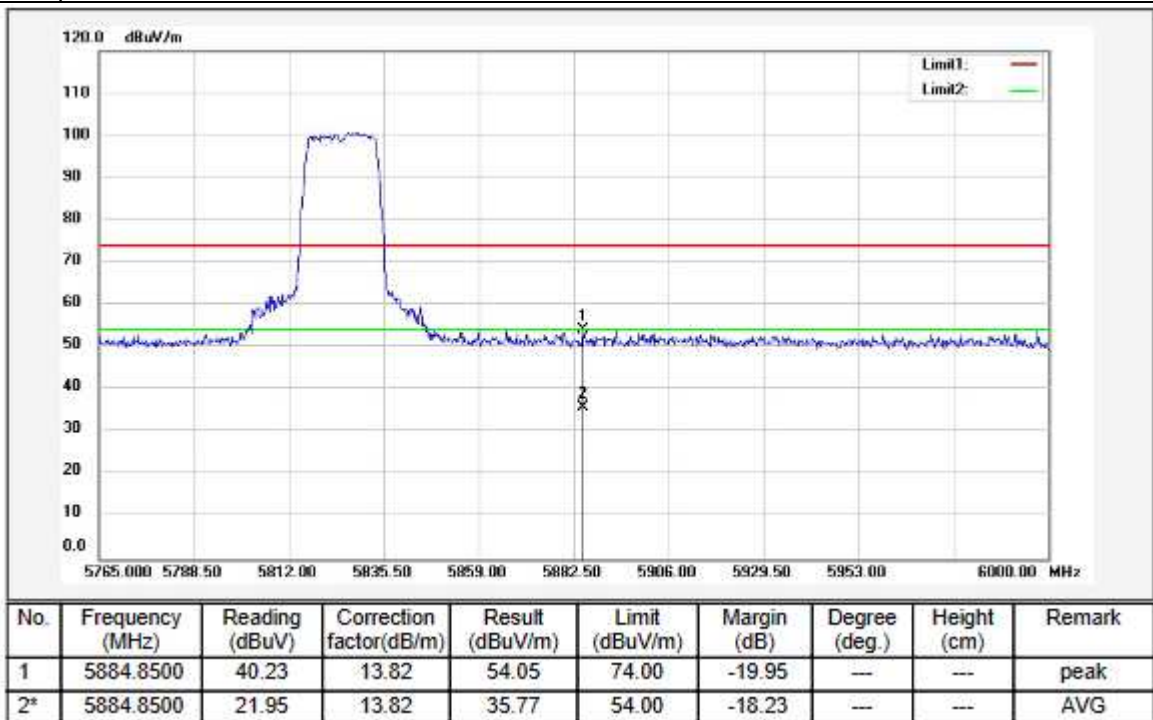
Horizontal polarization of 5745 MHz



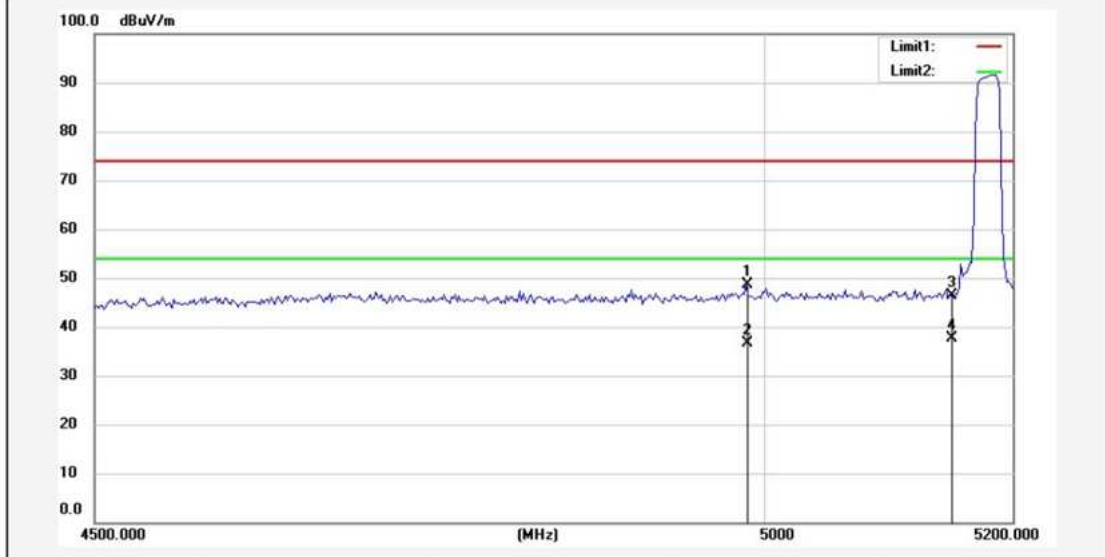
Vertical polarization of 5825 MHz



Horizontal polarization of 5825 MHz

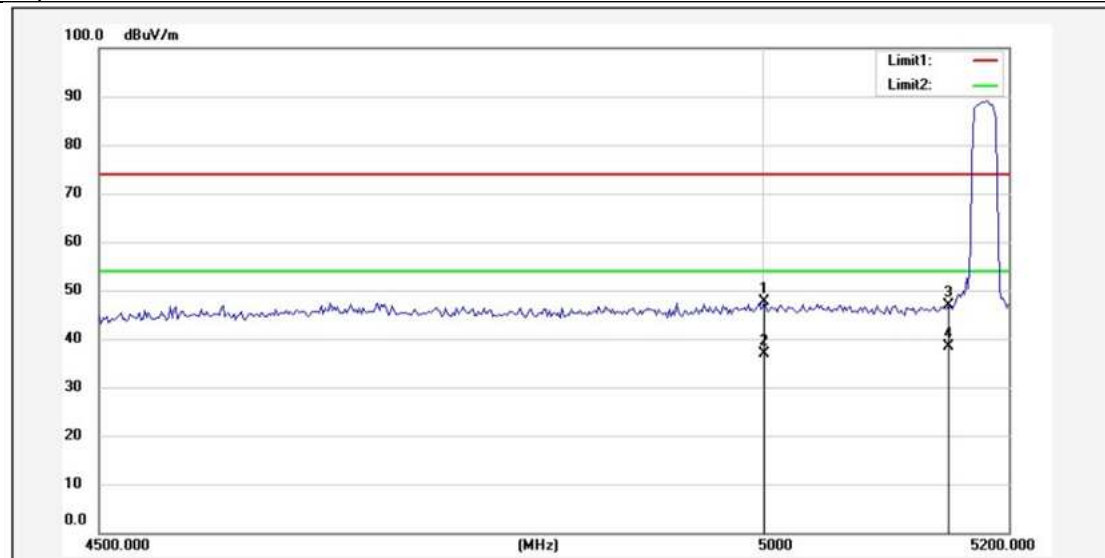


Wi-Fi 802.11ac(HT20) mode, MCS0
Vertical polarization of 5180 MHz



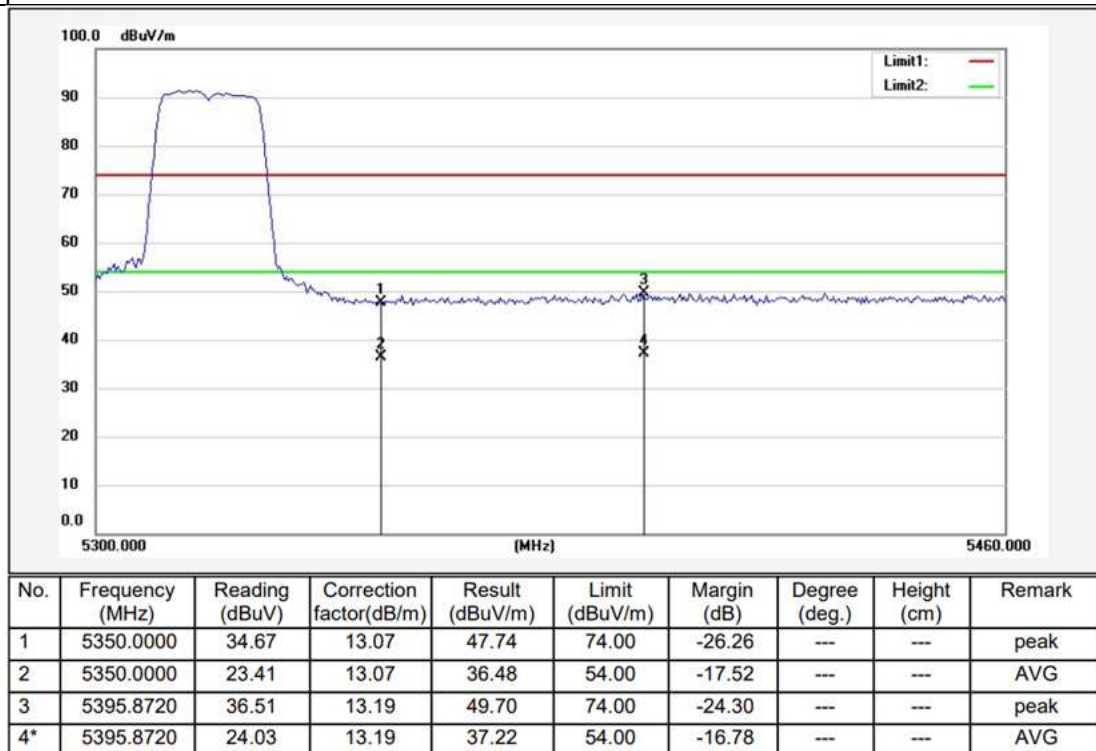
No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	4986.7740	36.63	11.89	48.52	74.00	-25.48	---	---	peak
2	4986.7740	24.70	11.89	36.59	54.00	-17.41	---	---	AVG
3	5150.0000	33.91	12.50	46.41	74.00	-27.59	---	---	peak
4*	5150.0000	25.08	12.50	37.58	54.00	-16.42	---	---	AVG

Horizontal polarization of 5180 MHz

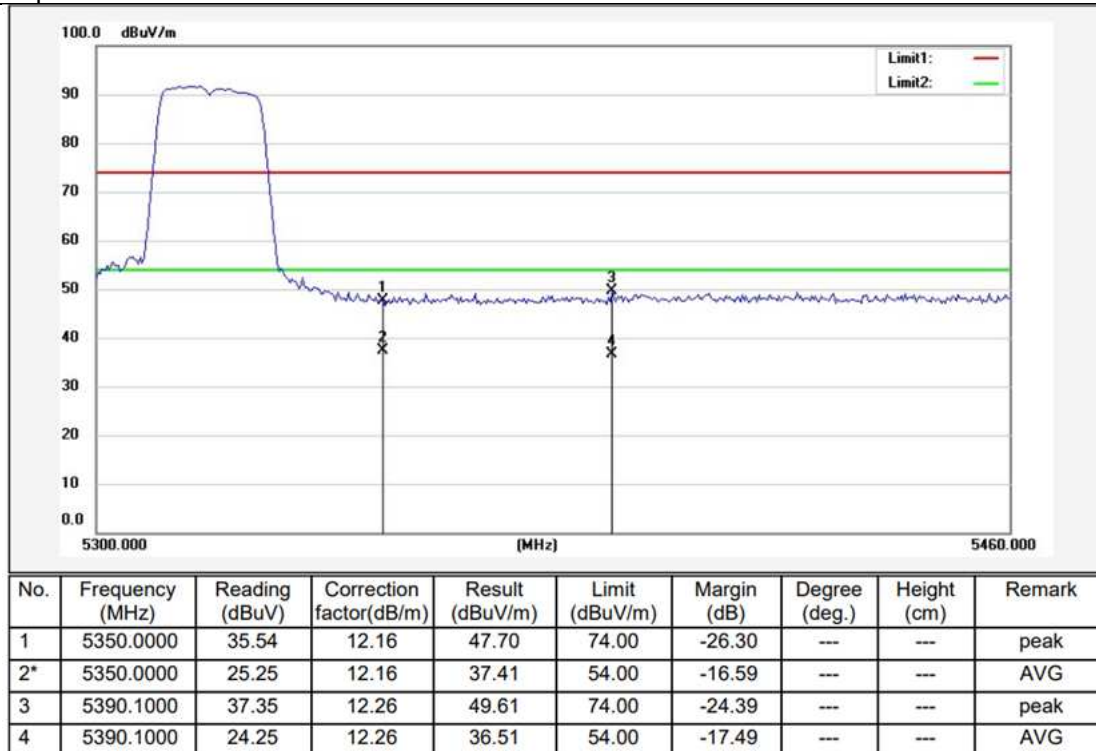


No.	Frequency (MHz)	Reading (dBuV)	Correction factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Degree (deg.)	Height (cm)	Remark
1	5002.2040	36.52	11.08	47.60	74.00	-26.40	---	---	peak
2	5002.2040	25.77	11.08	36.85	54.00	-17.15	---	---	AVG
3	5150.0000	35.30	11.64	46.94	74.00	-27.06	---	---	peak
4*	5150.0000	26.77	11.64	38.41	54.00	-15.59	---	---	AVG

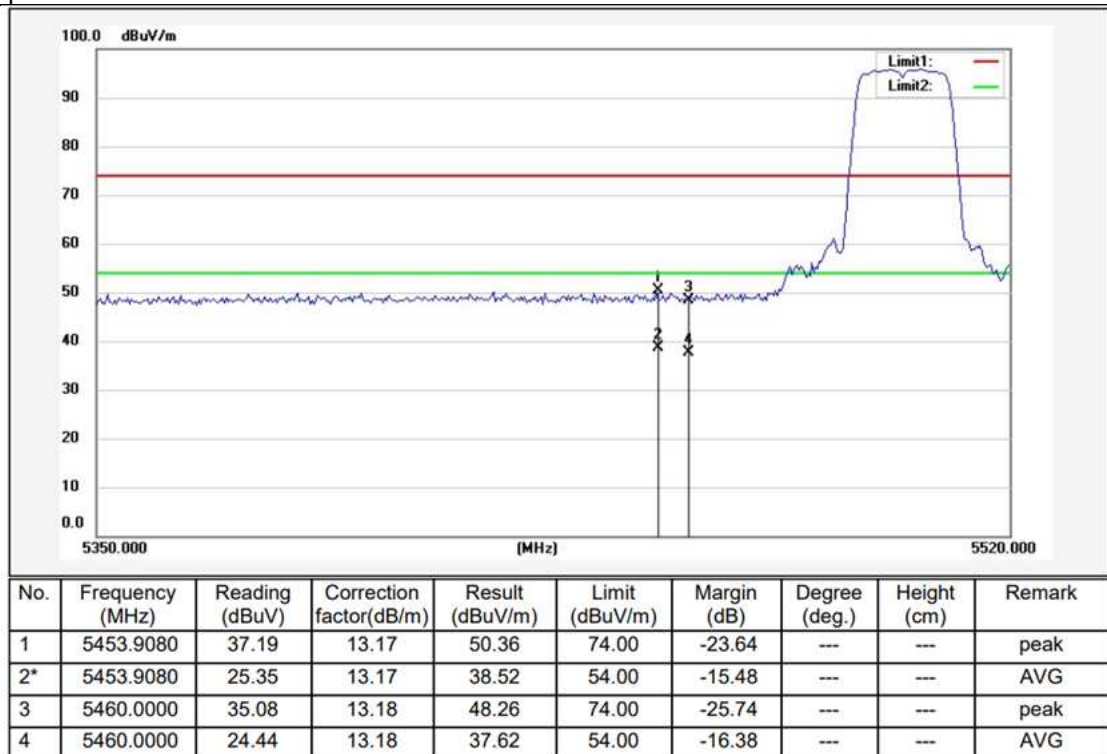
Vertical polarization of 5320 MHz



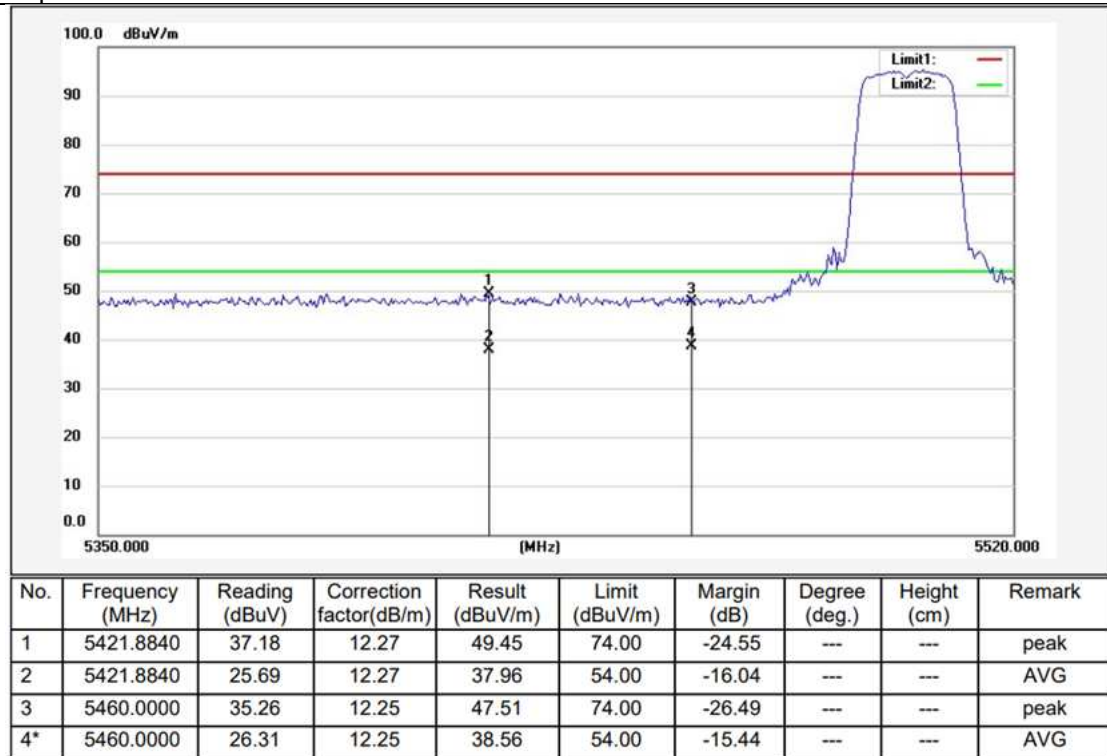
Horizontal polarization of 5320 MHz



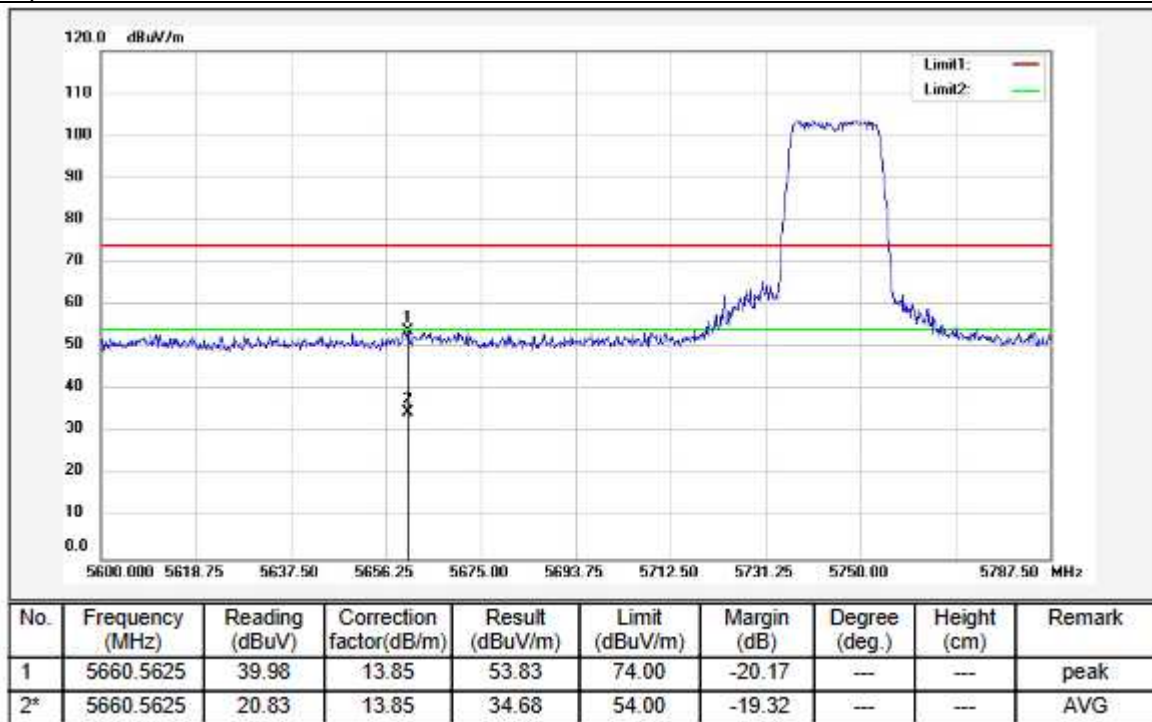
Vertical polarization of 5500 MHz



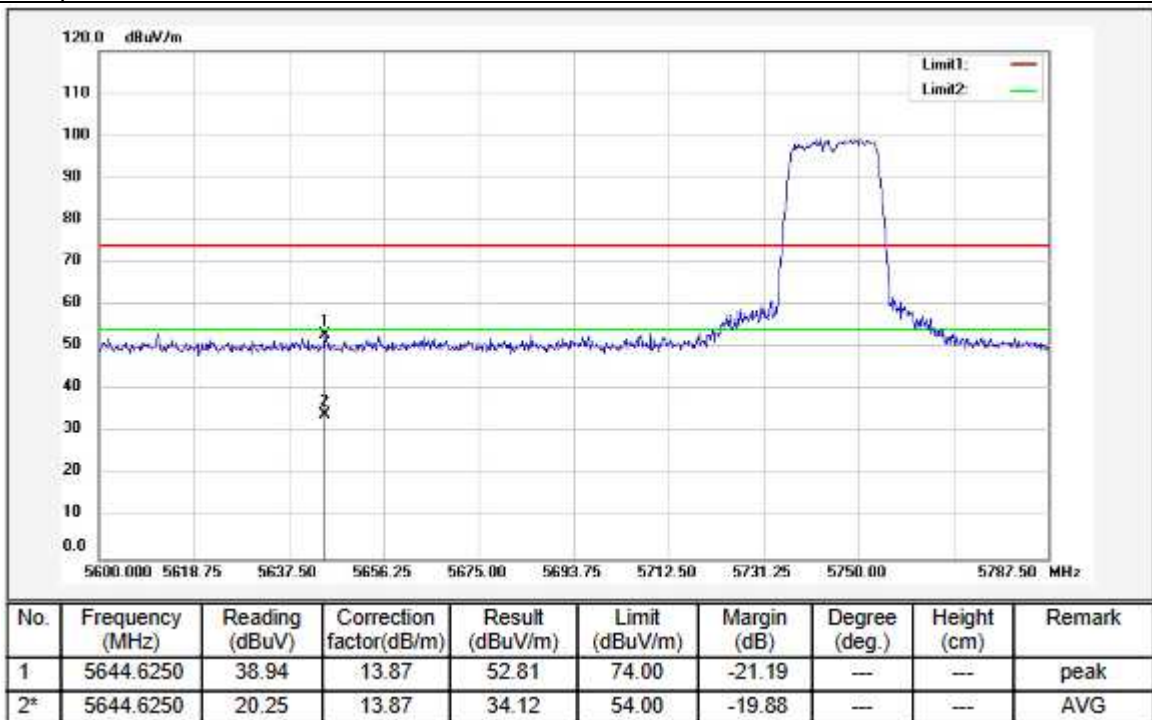
Horizontal polarization of 5500 MHz



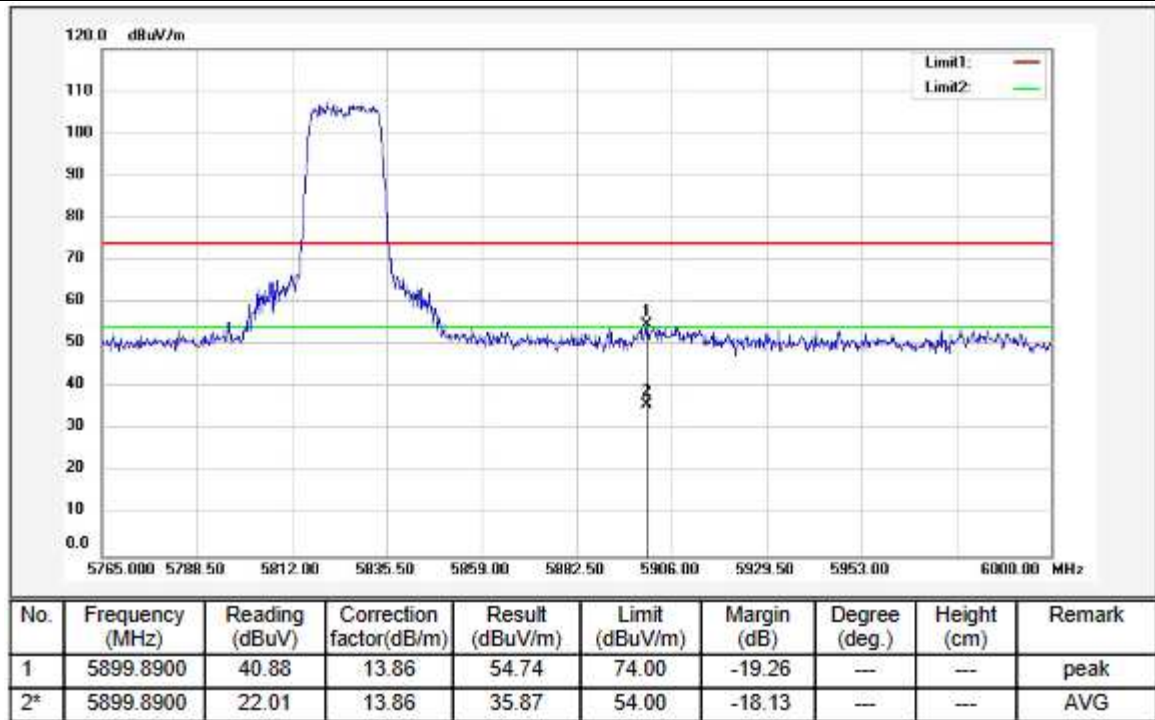
Vertical polarization of 5745 MHz



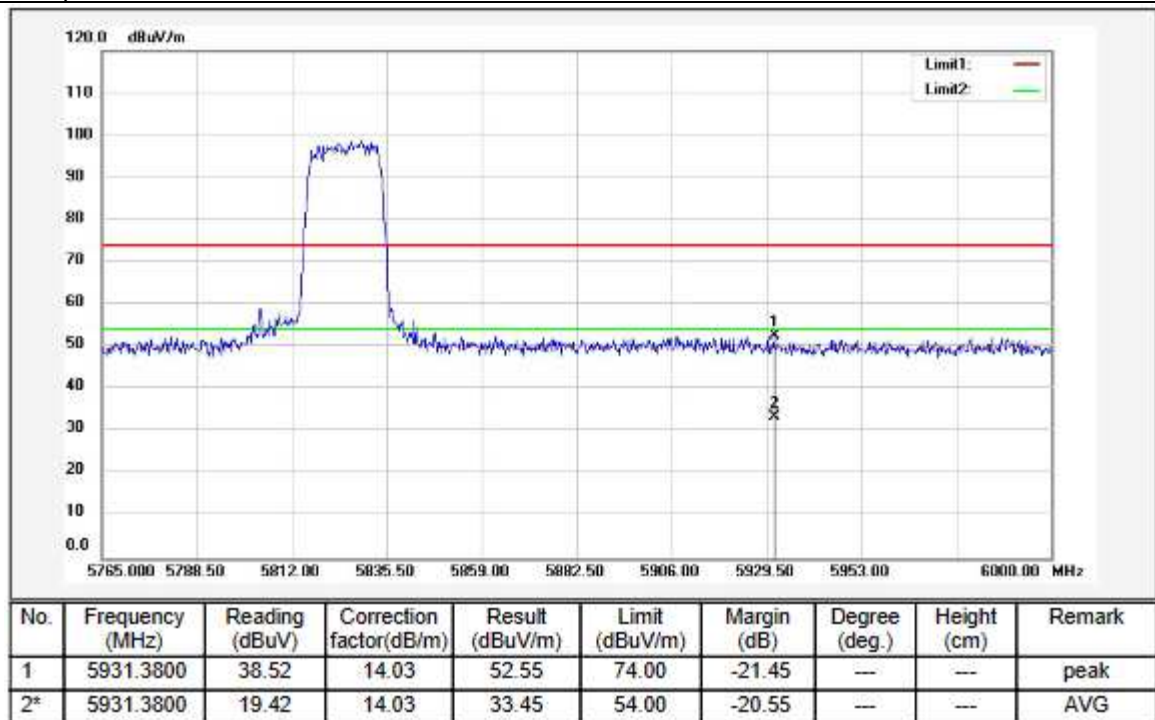
Horizontal polarization of 5745 MHz



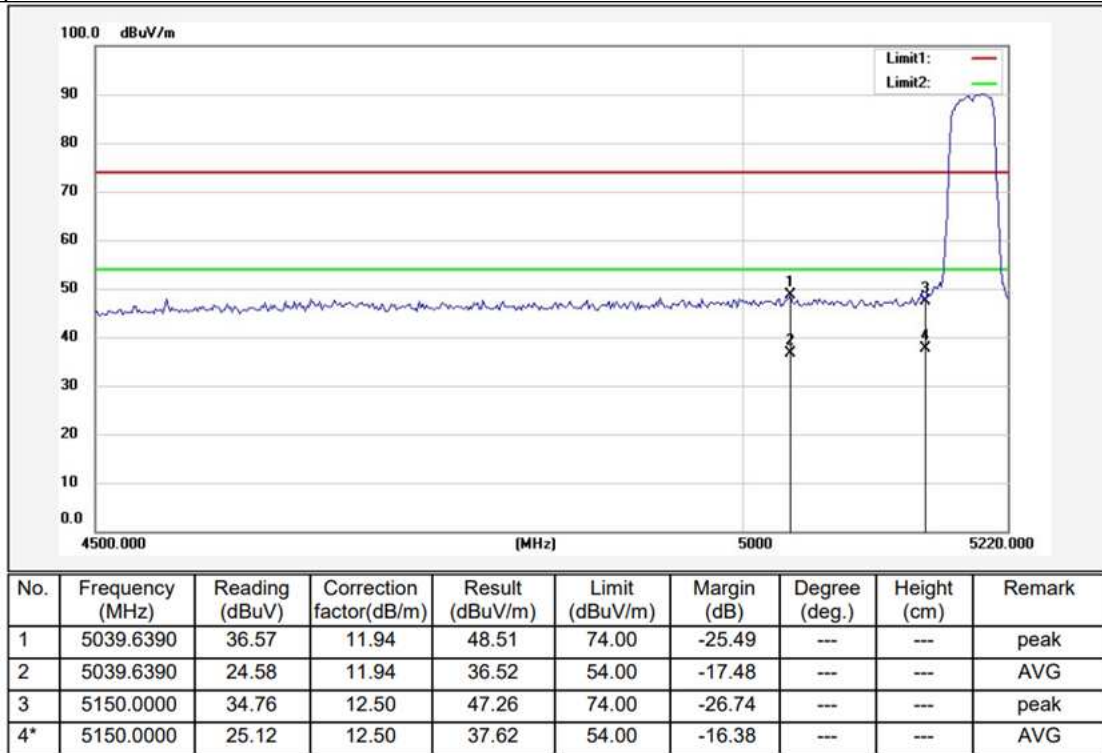
Vertical polarization of 5825 MHz



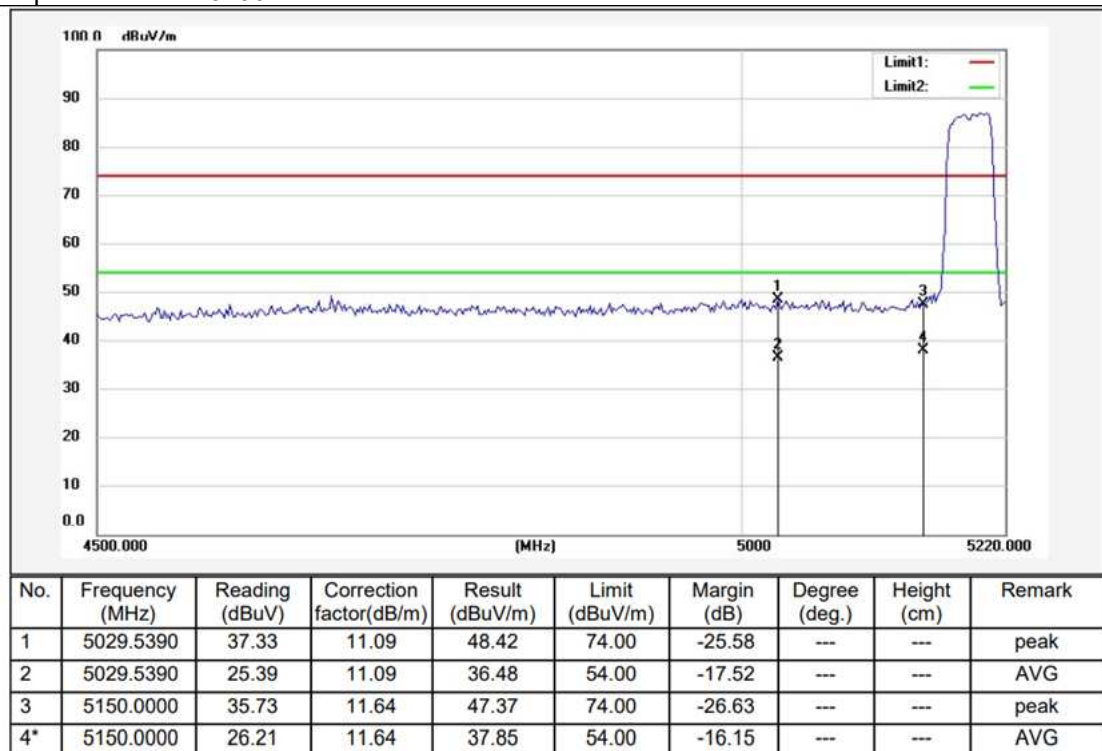
Horizontal polarization of 5825 MHz



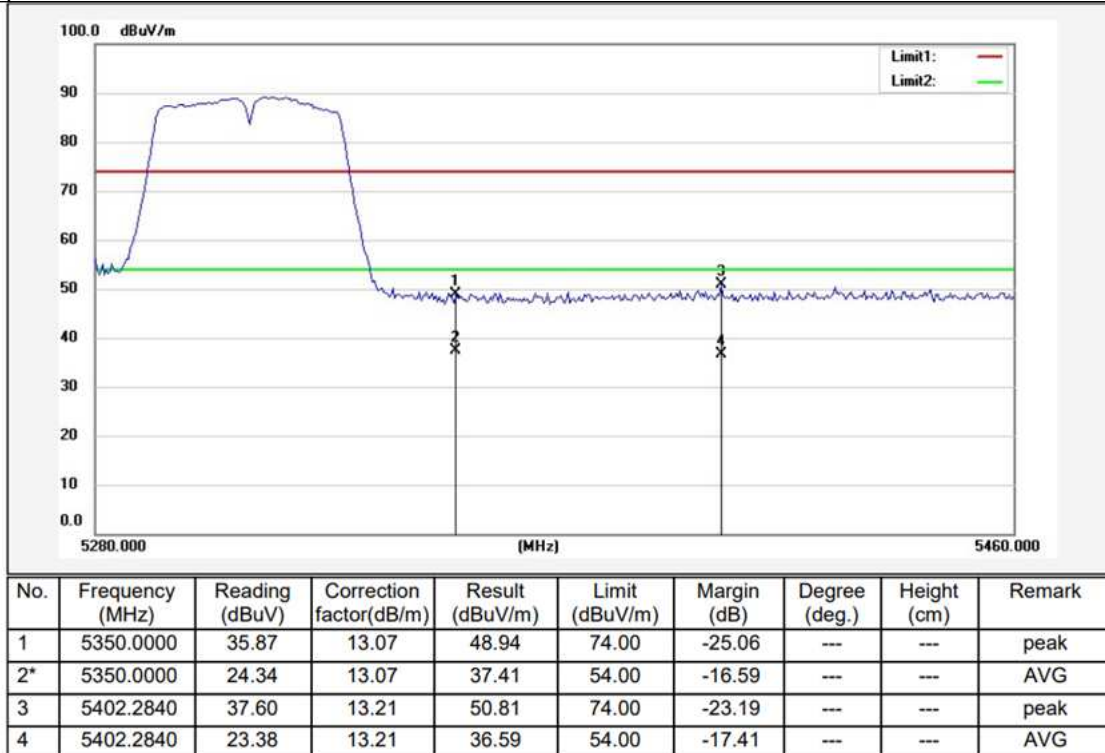
Wi-Fi 802.11n(HT40) mode, MCS0
Vertical polarization of 5190 MHz



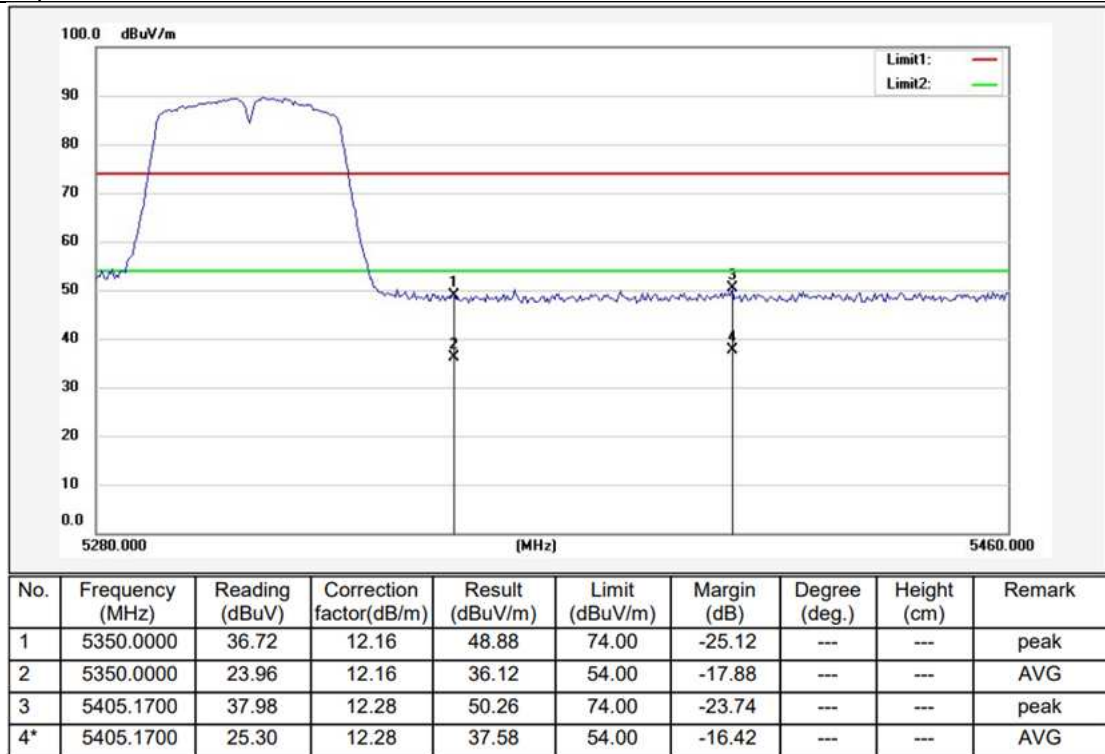
Horizontal polarization of 5190 MHz



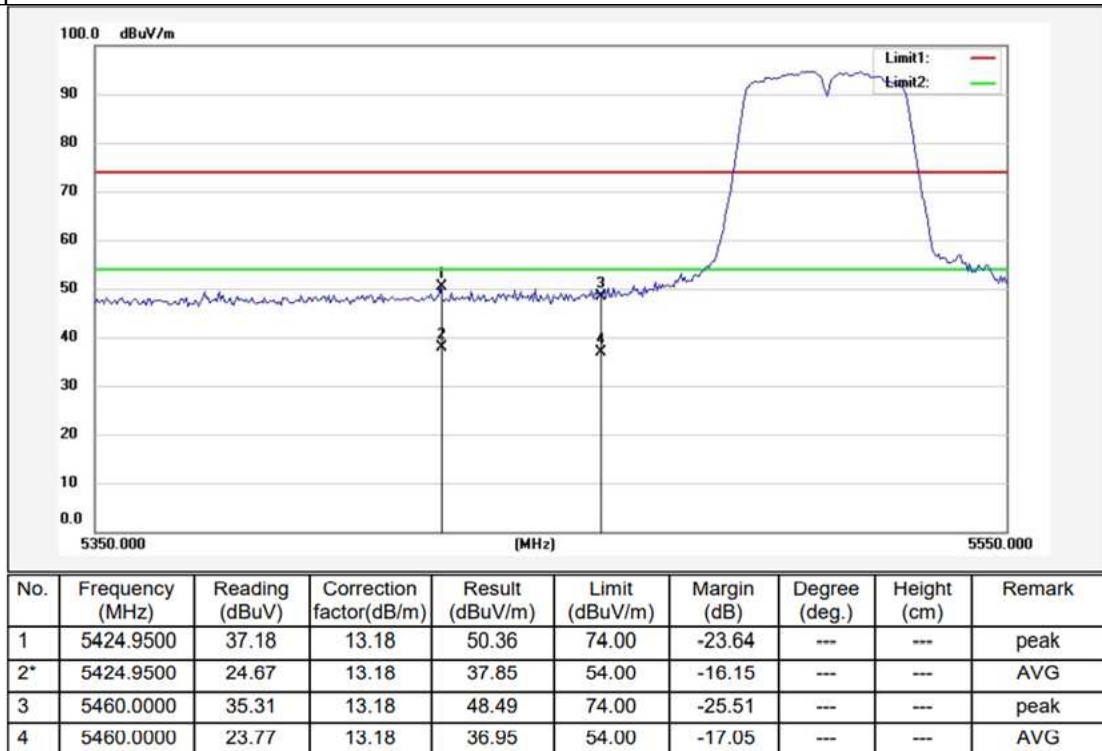
Vertical polarization of 5310 MHz



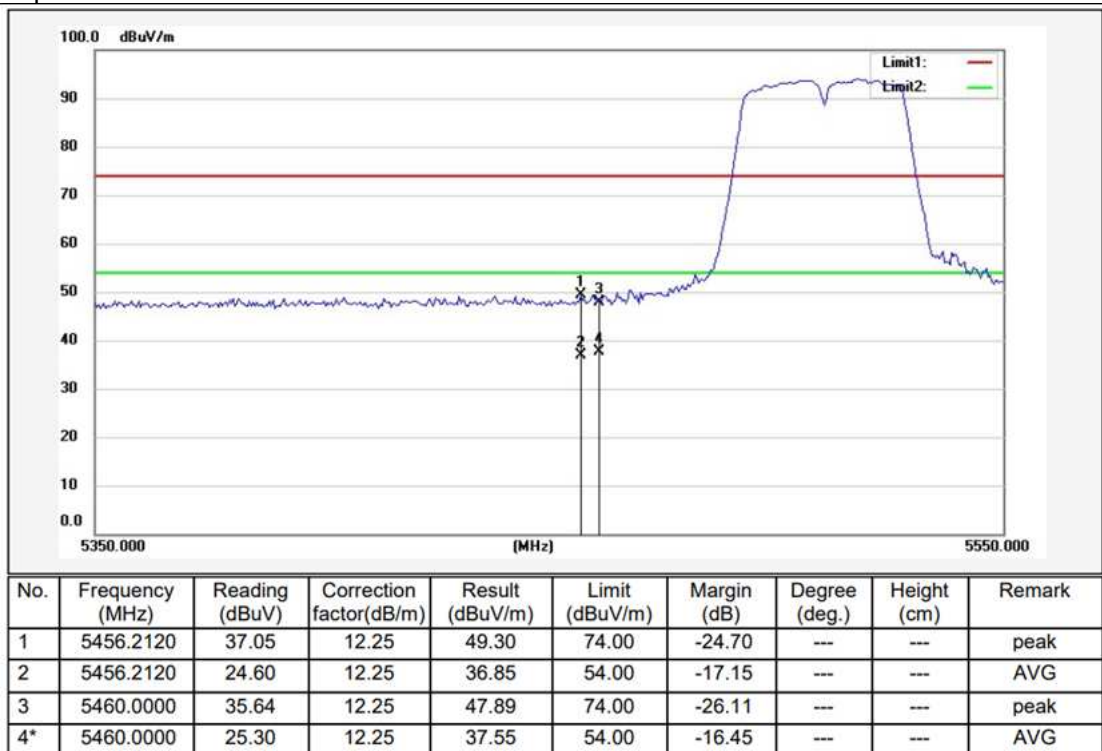
Horizontal polarization of 5310 MHz



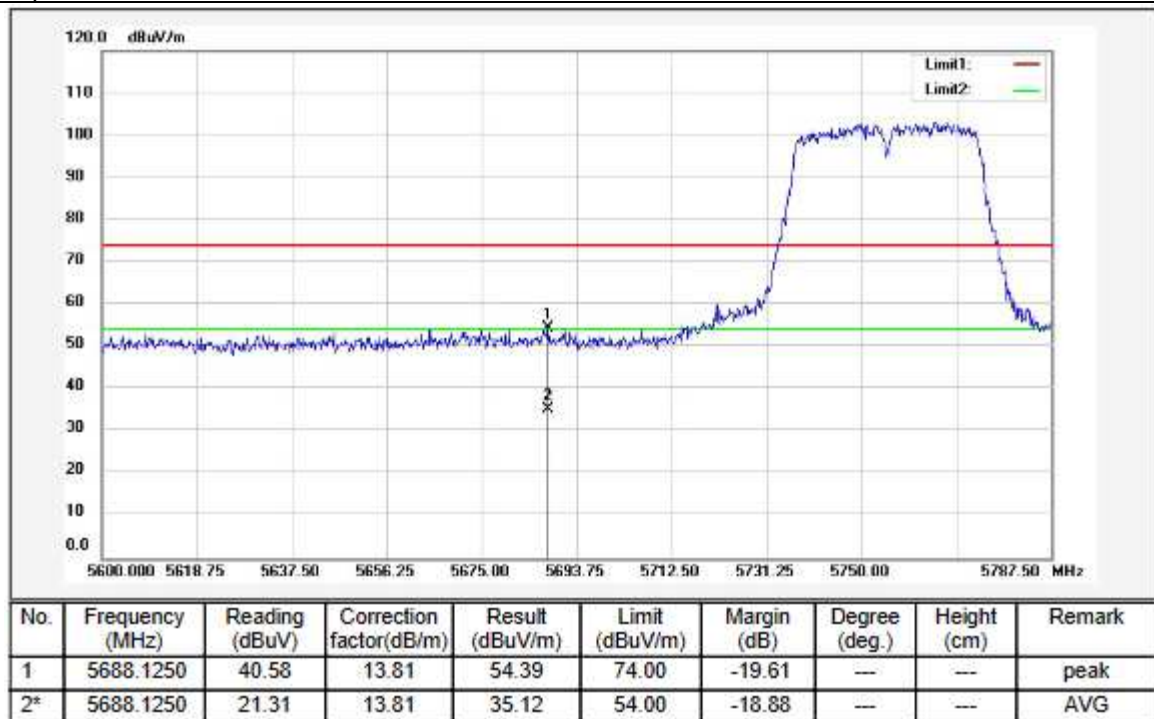
Vertical polarization of 5510 MHz



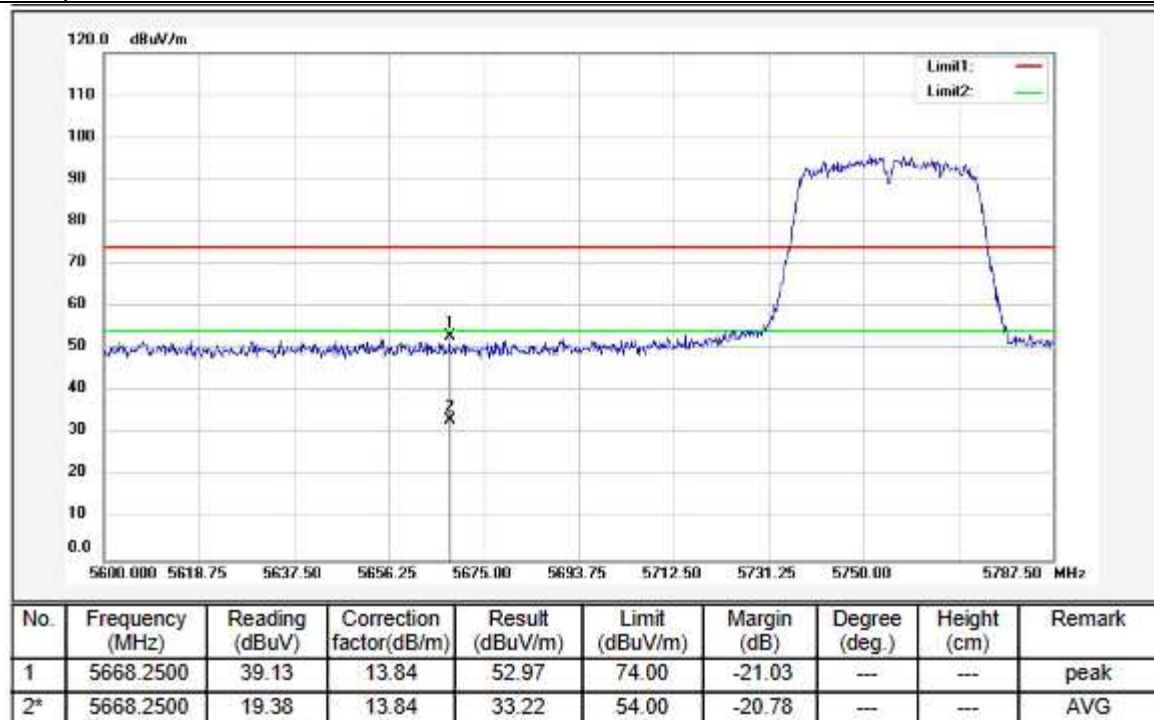
Horizontal polarization of 5510 MHz



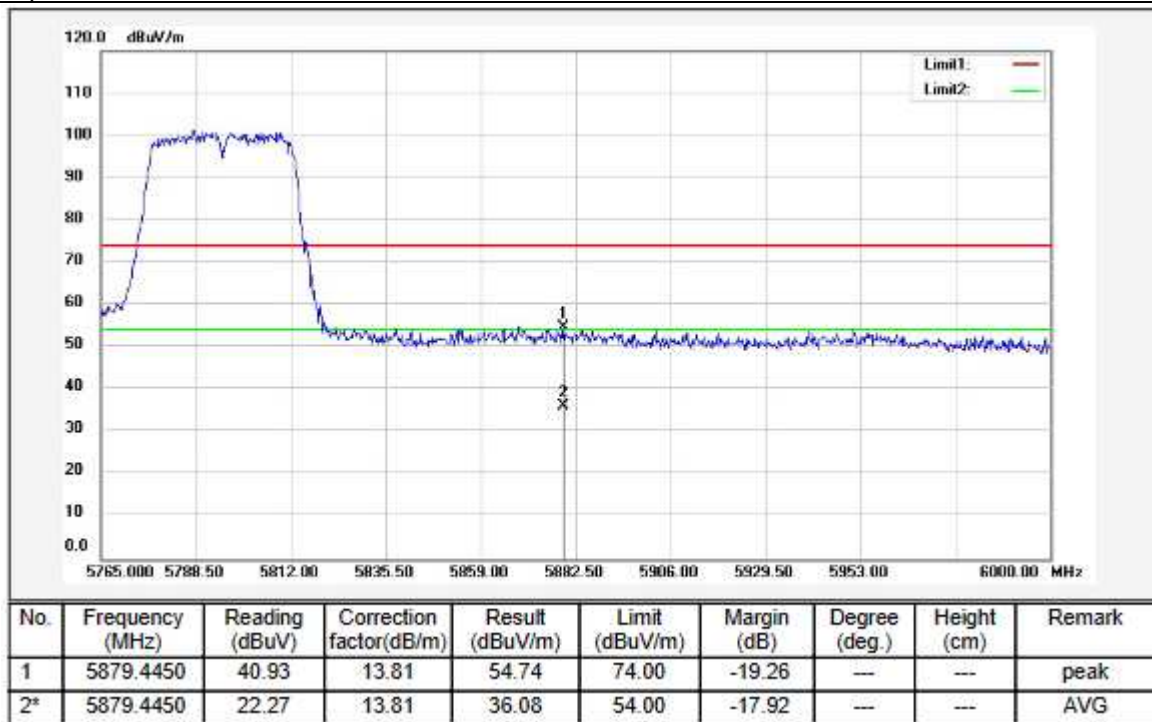
Vertical polarization of 5755 MHz



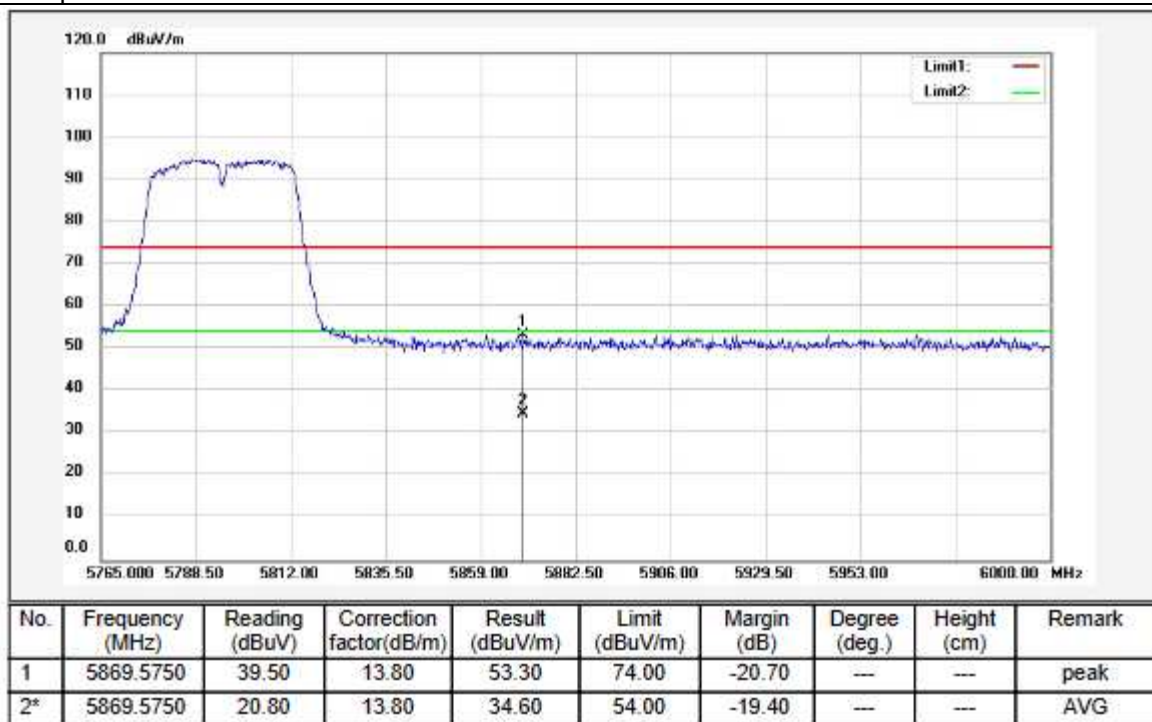
Horizontal polarization of 5755 MHz



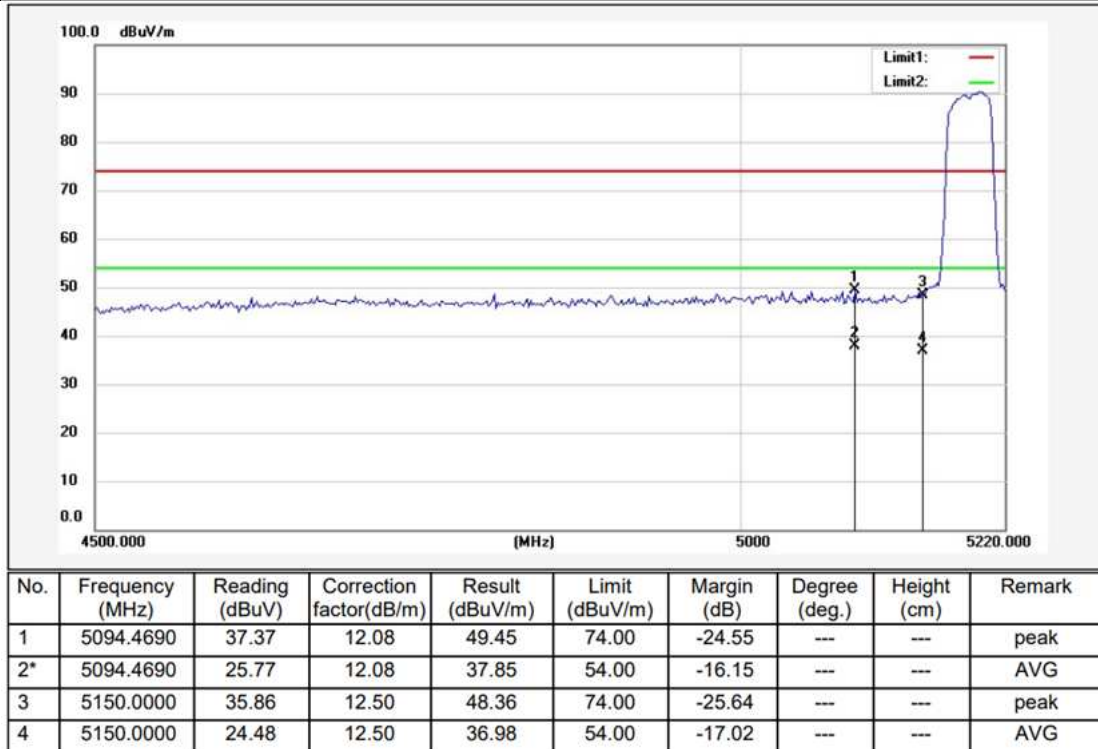
Vertical polarization of 5795 MHz



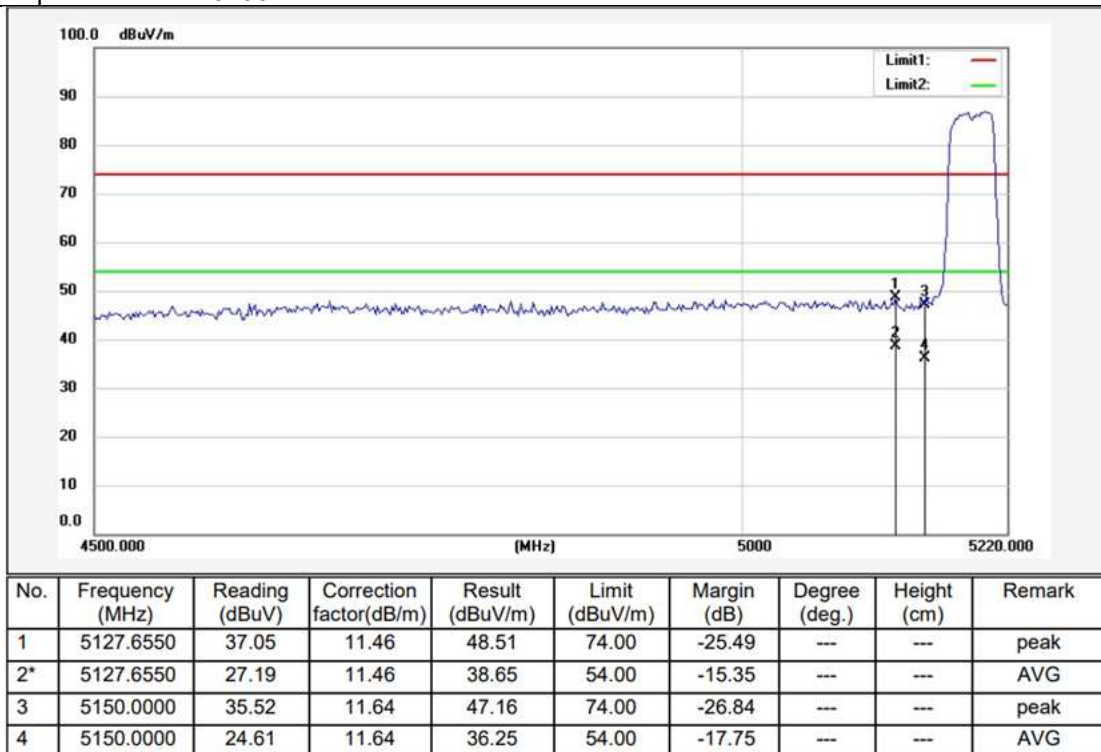
Horizontal polarization of 5795 MHz



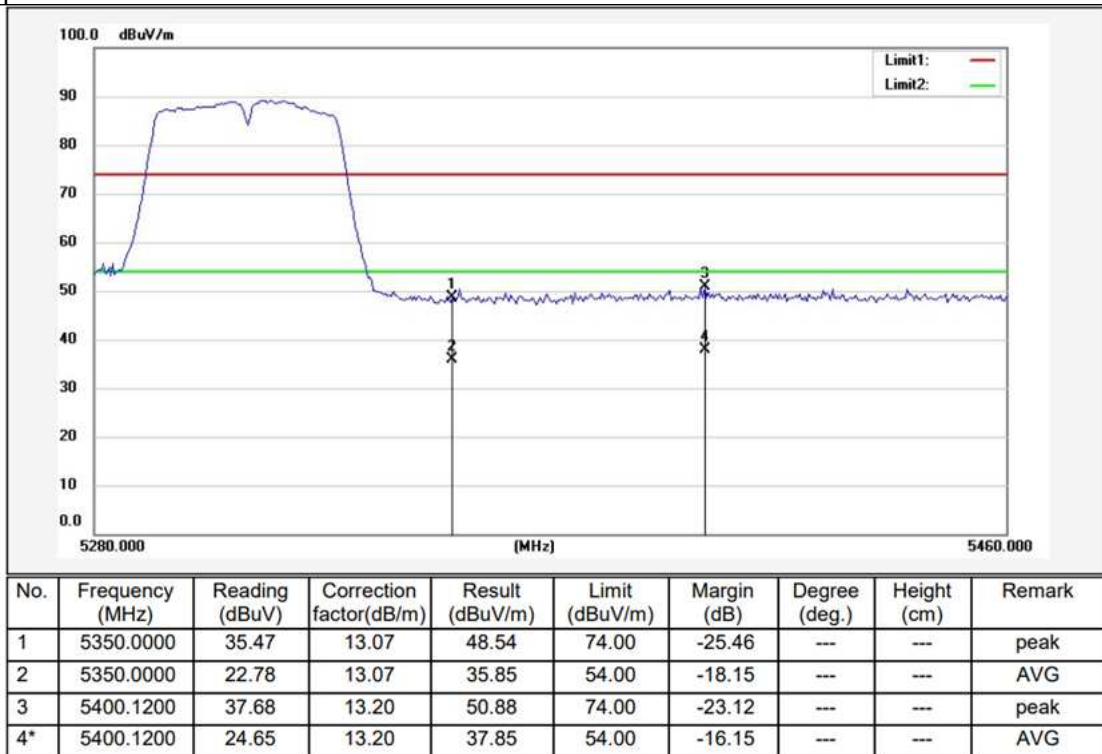
Wi-Fi 802.11 ac(HT40) mode, MCS0
Vertical polarization of 5190 MHz



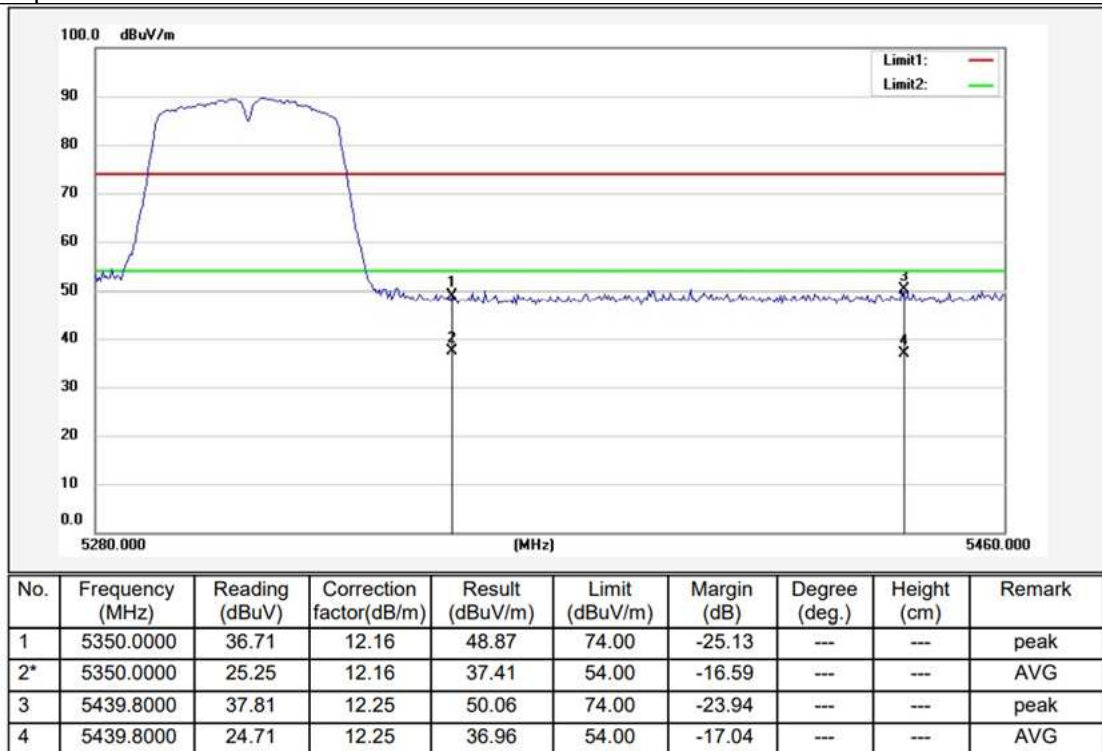
Horizontal polarization of 5190 MHz



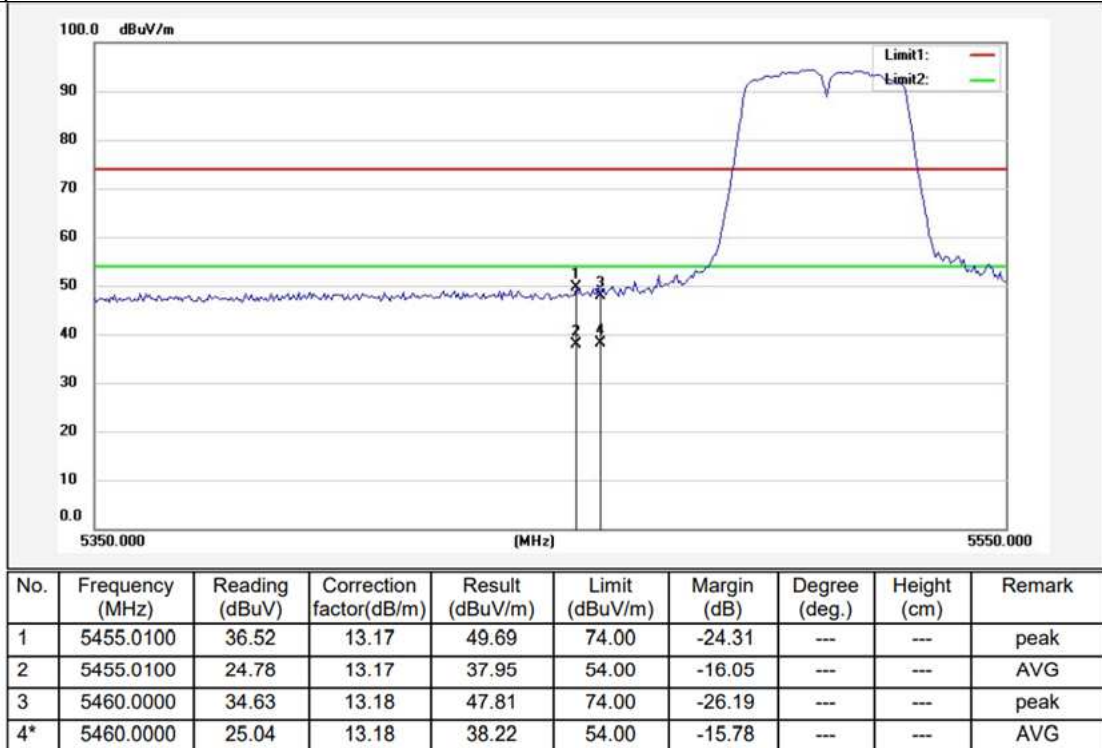
Vertical polarization of 5310 MHz



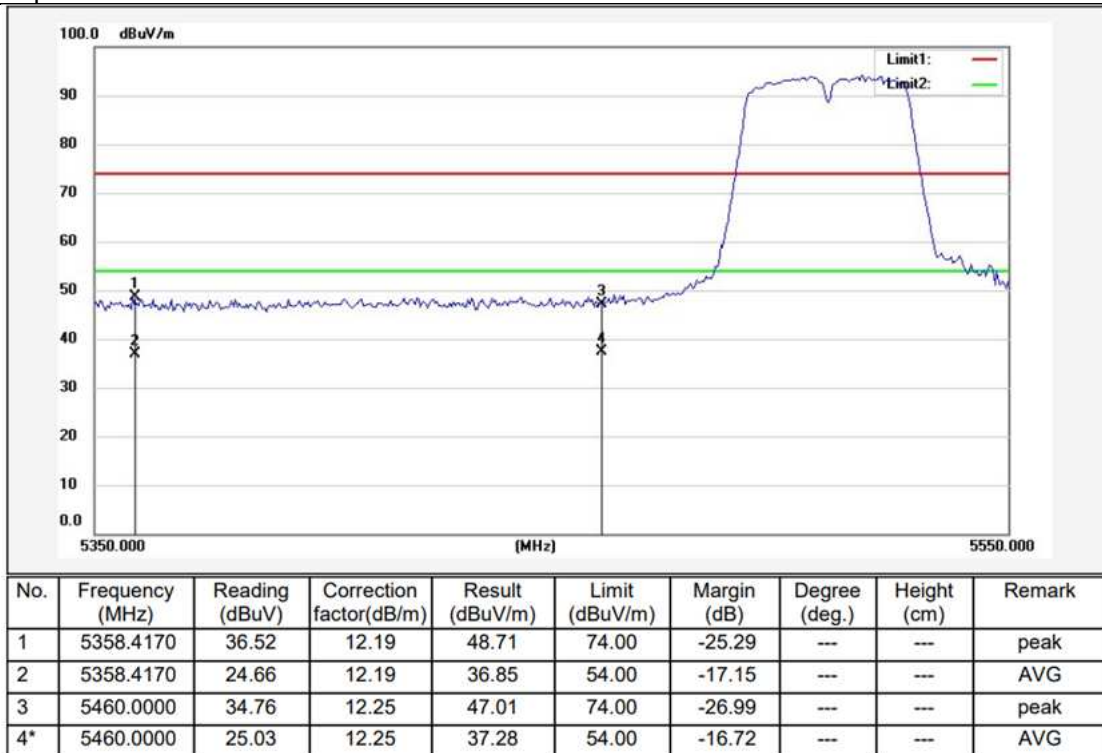
Horizontal polarization of 5310 MHz



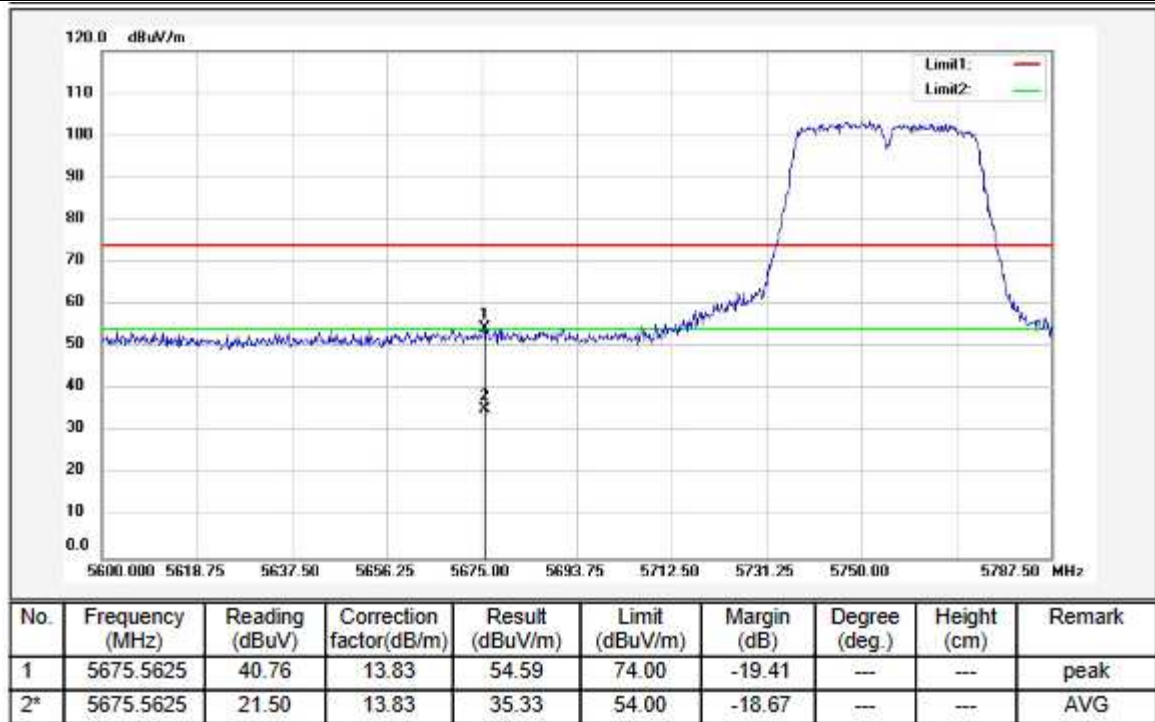
Vertical polarization of 5510 MHz



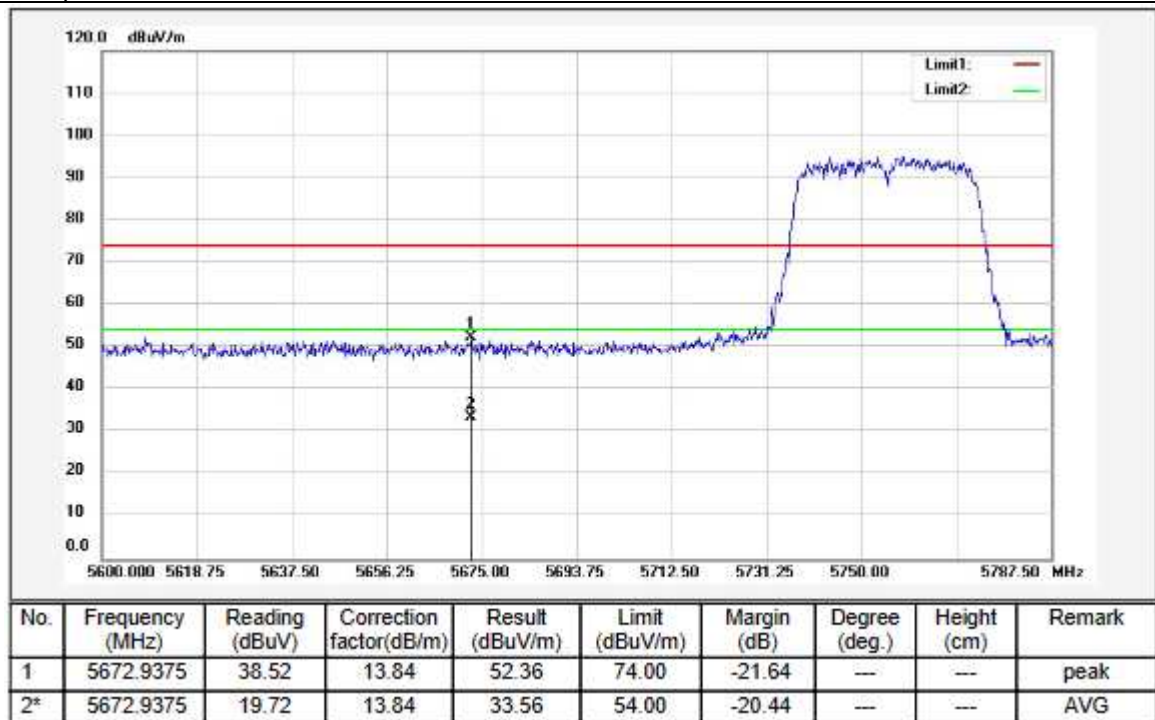
Horizontal polarization of 5510 MHz



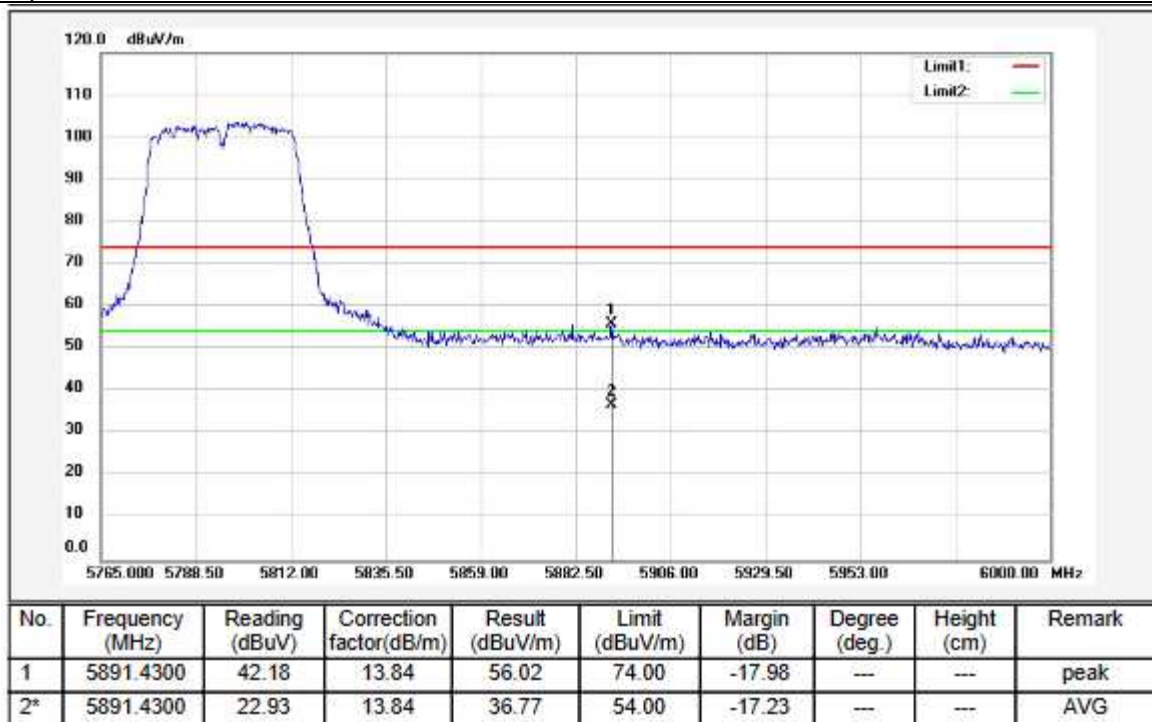
Vertical polarization of 5755 MHz



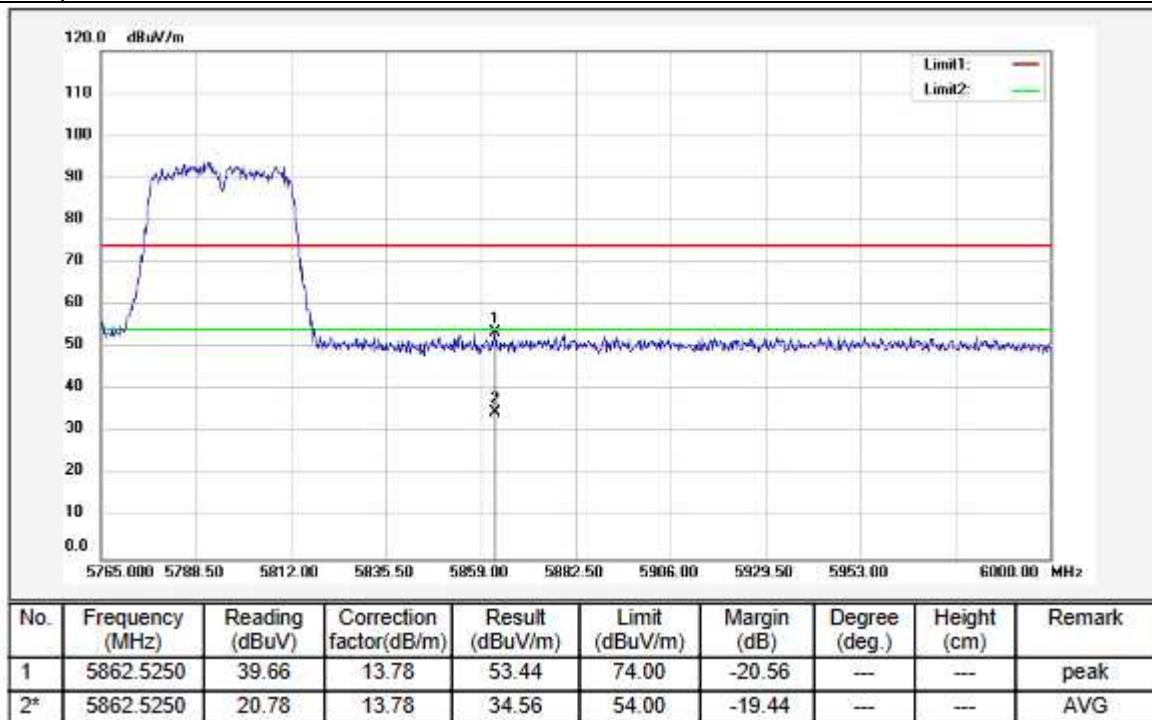
Horizontal polarization of 5755 MHz



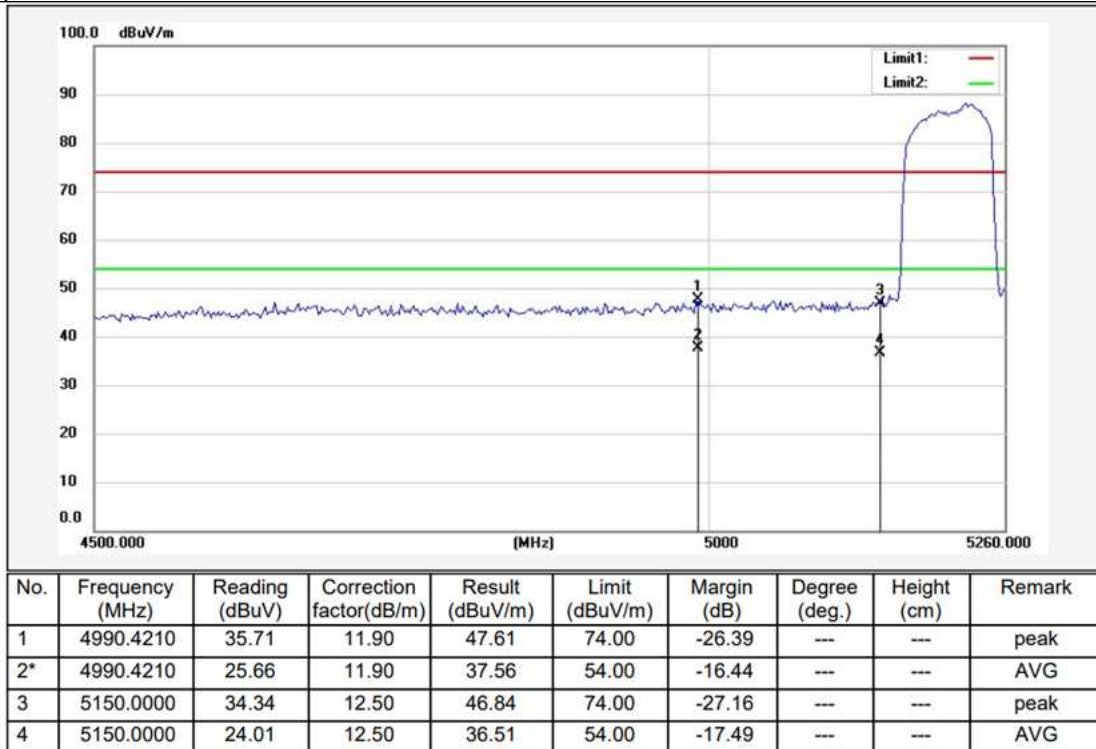
Vertical polarization of 5795 MHz



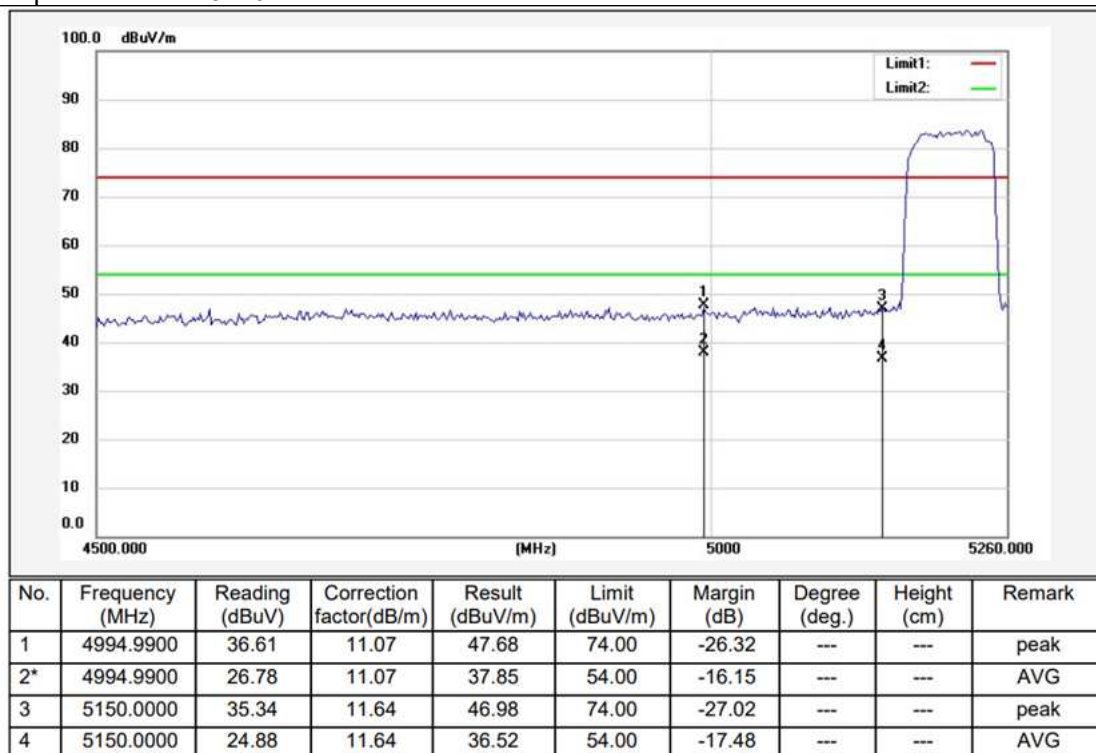
Horizontal polarization of 5795 MHz



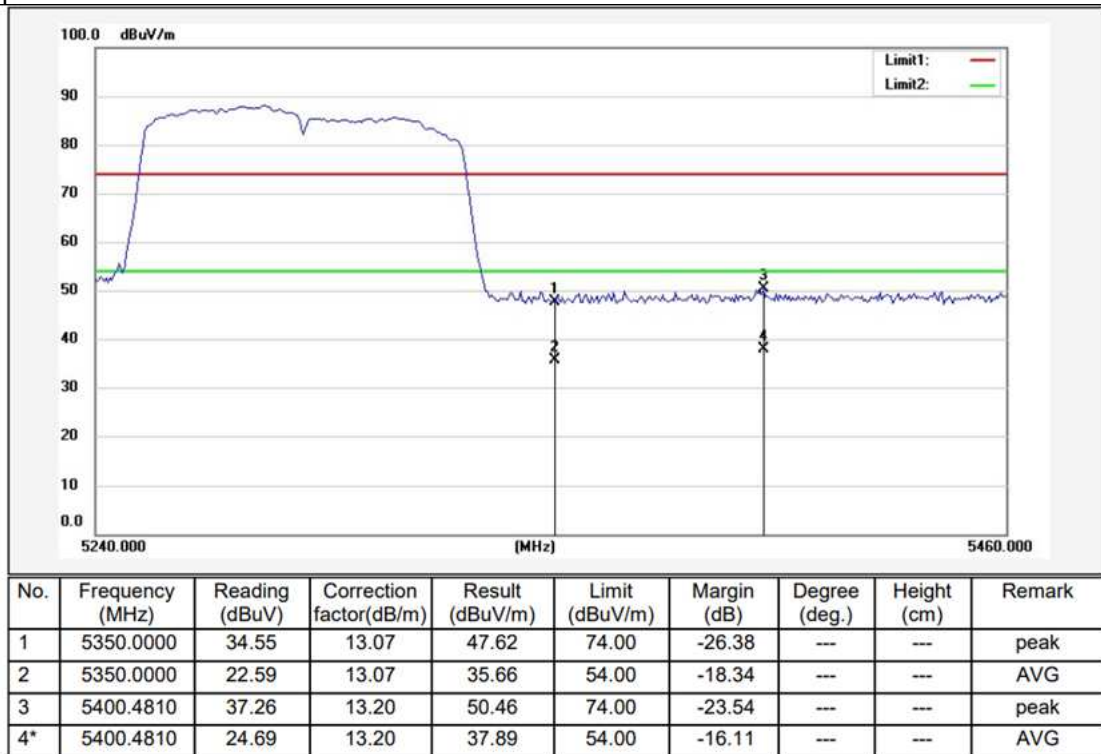
Wi-Fi 802.11 ac(HT80) mode, MCS0
Vertical polarization of 5210 MHz



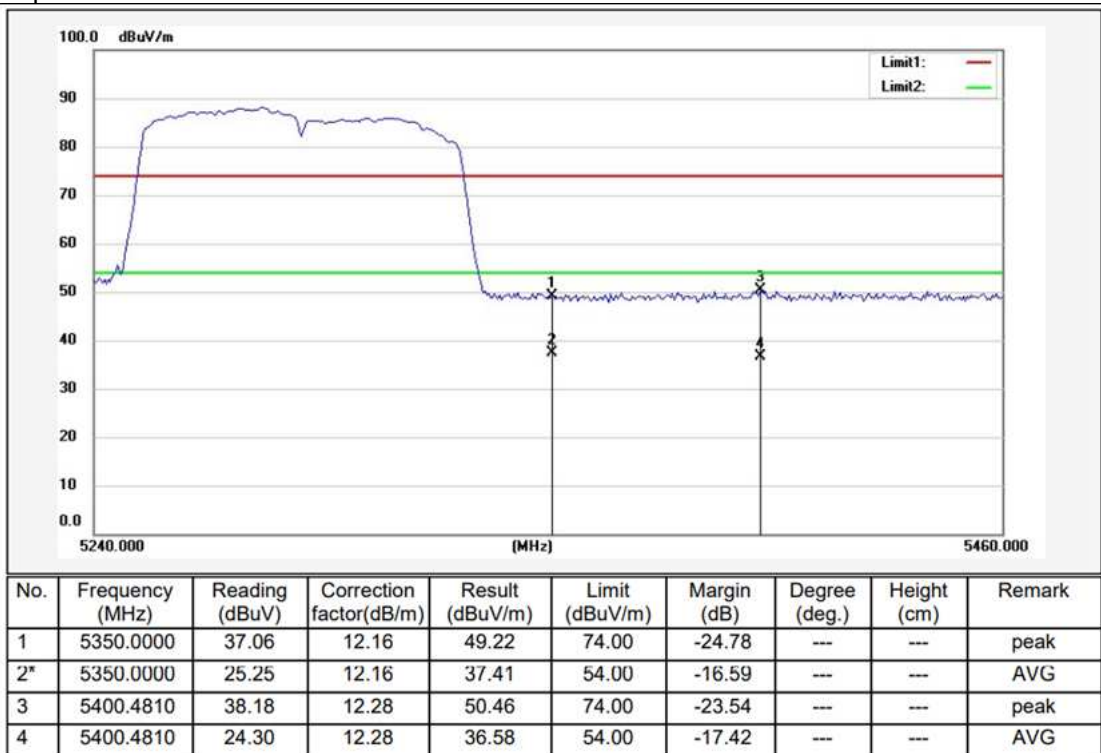
Horizontal polarization of 5210 MHz



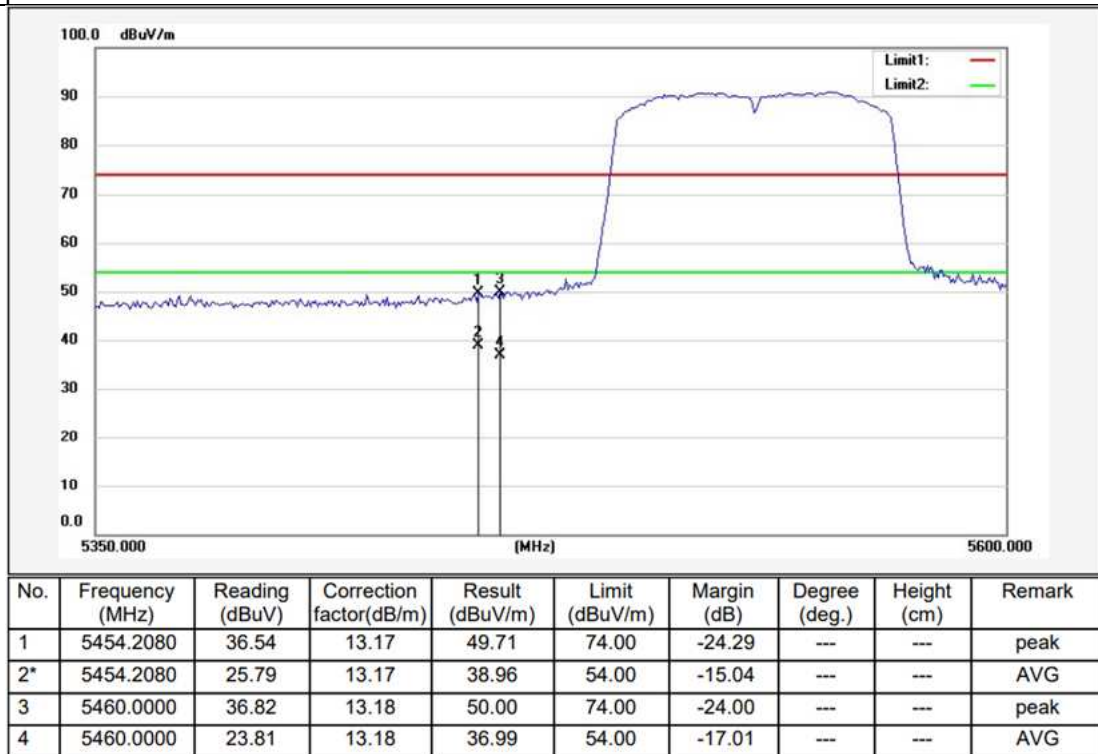
Vertical polarization of 5290 MHz



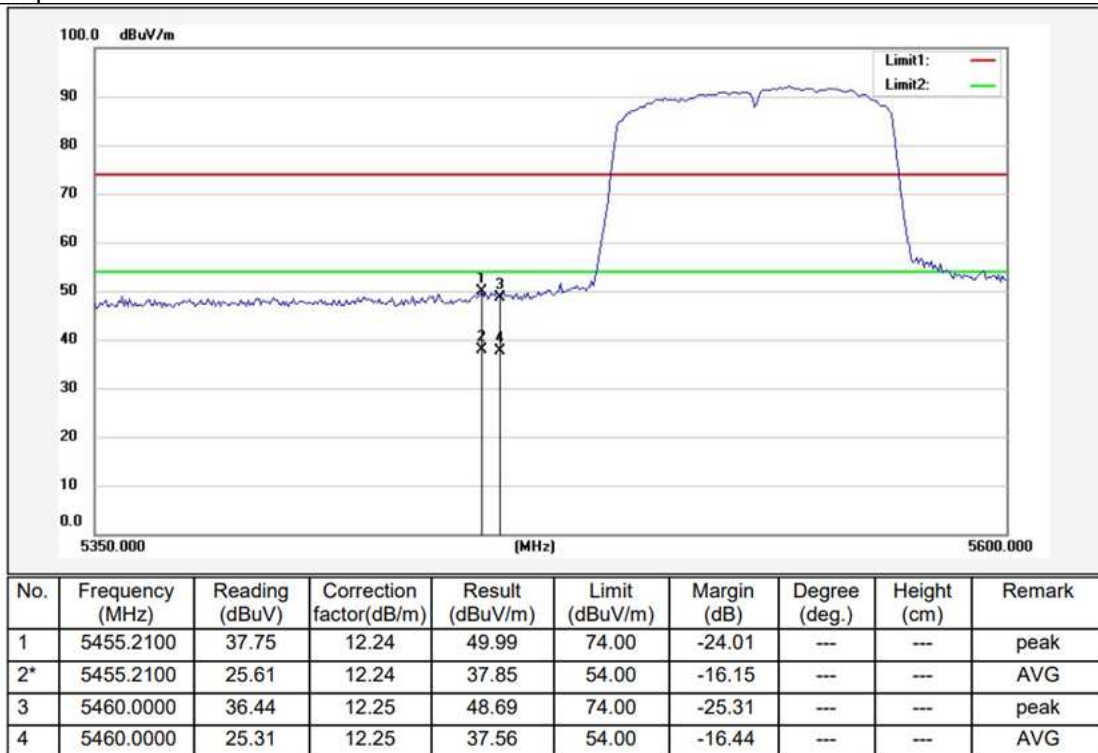
Horizontal polarization of 5290 MHz



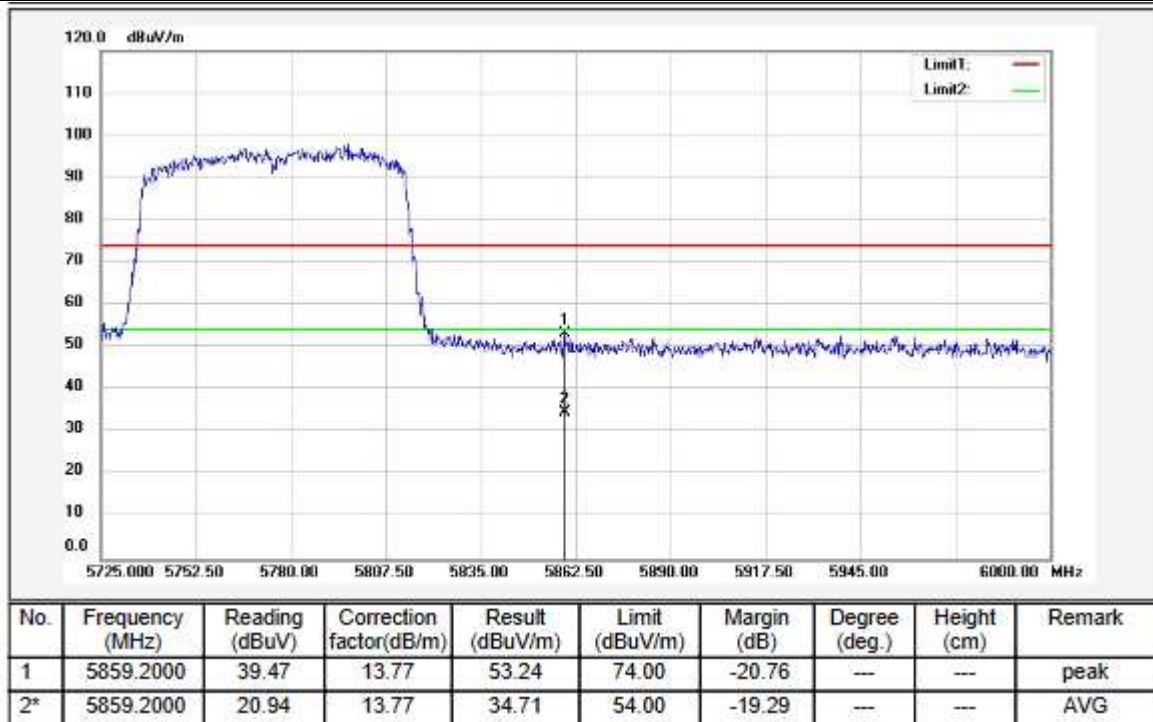
Vertical polarization of 5530 MHz



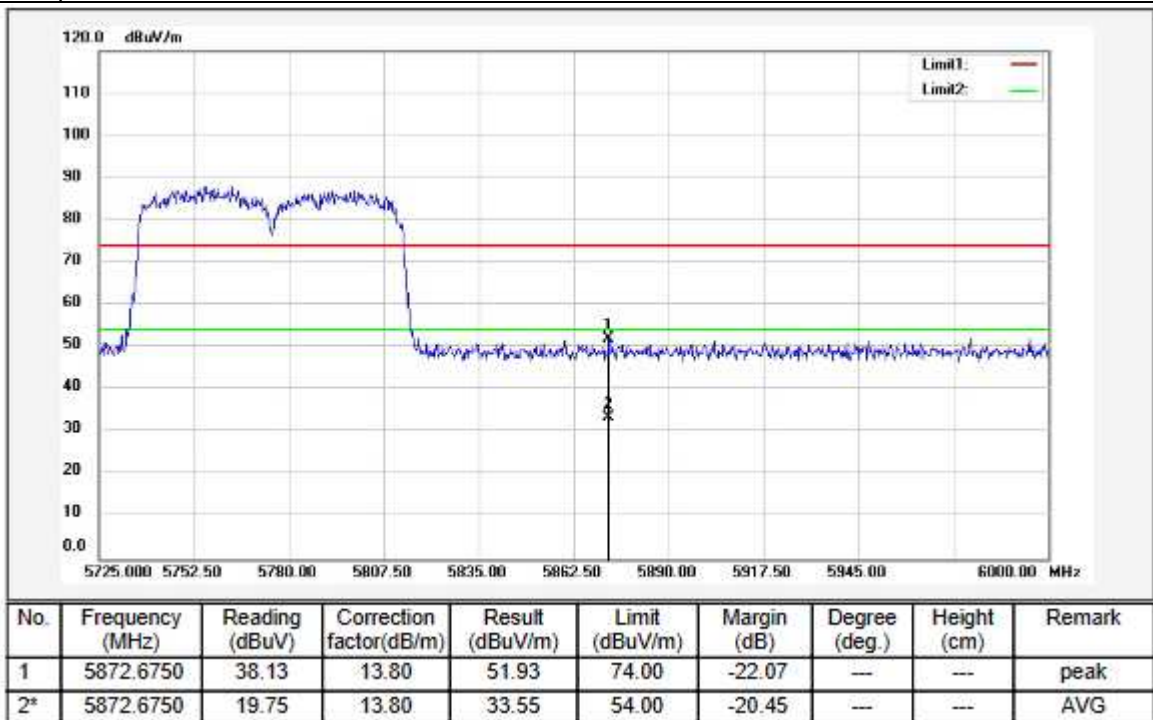
Horizontal polarization of 5530 MHz



Vertical polarization of 5775 MHz



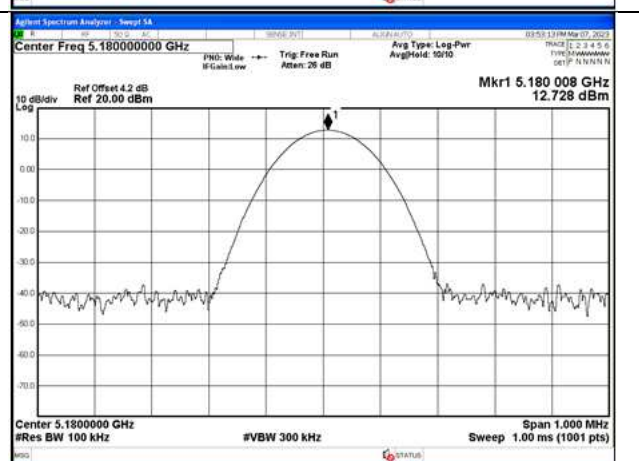
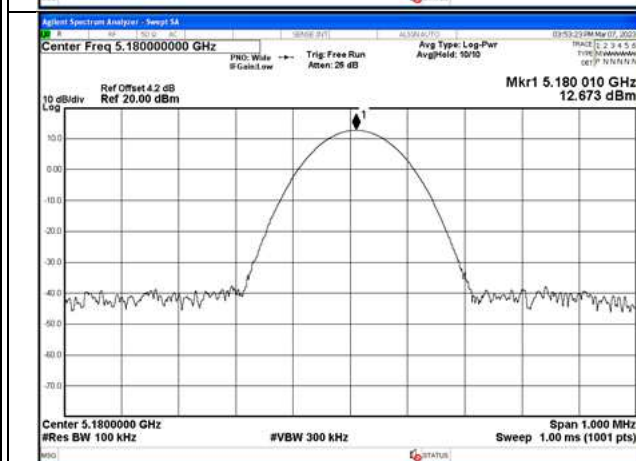
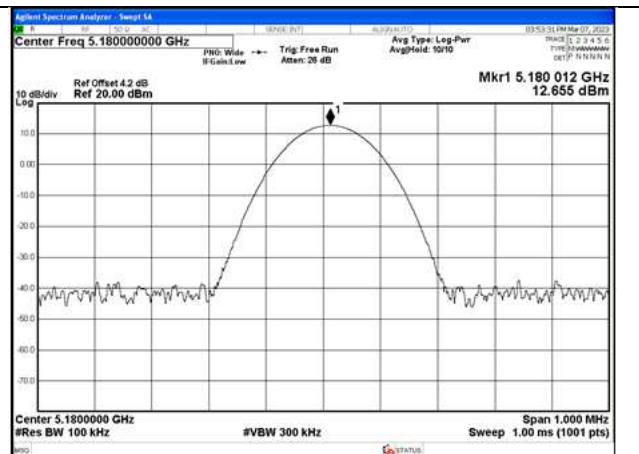
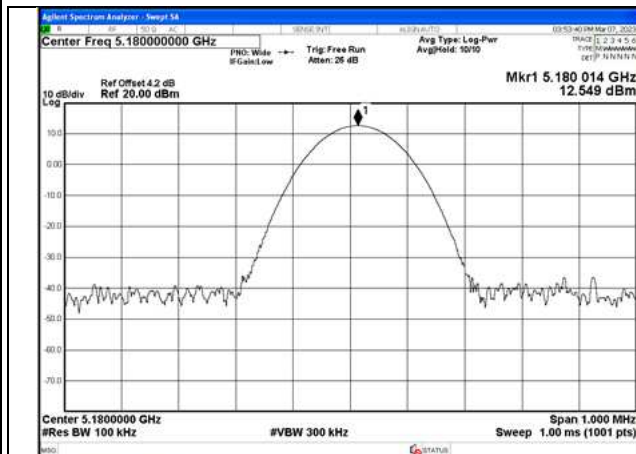
Horizontal polarization of 5775 MHz

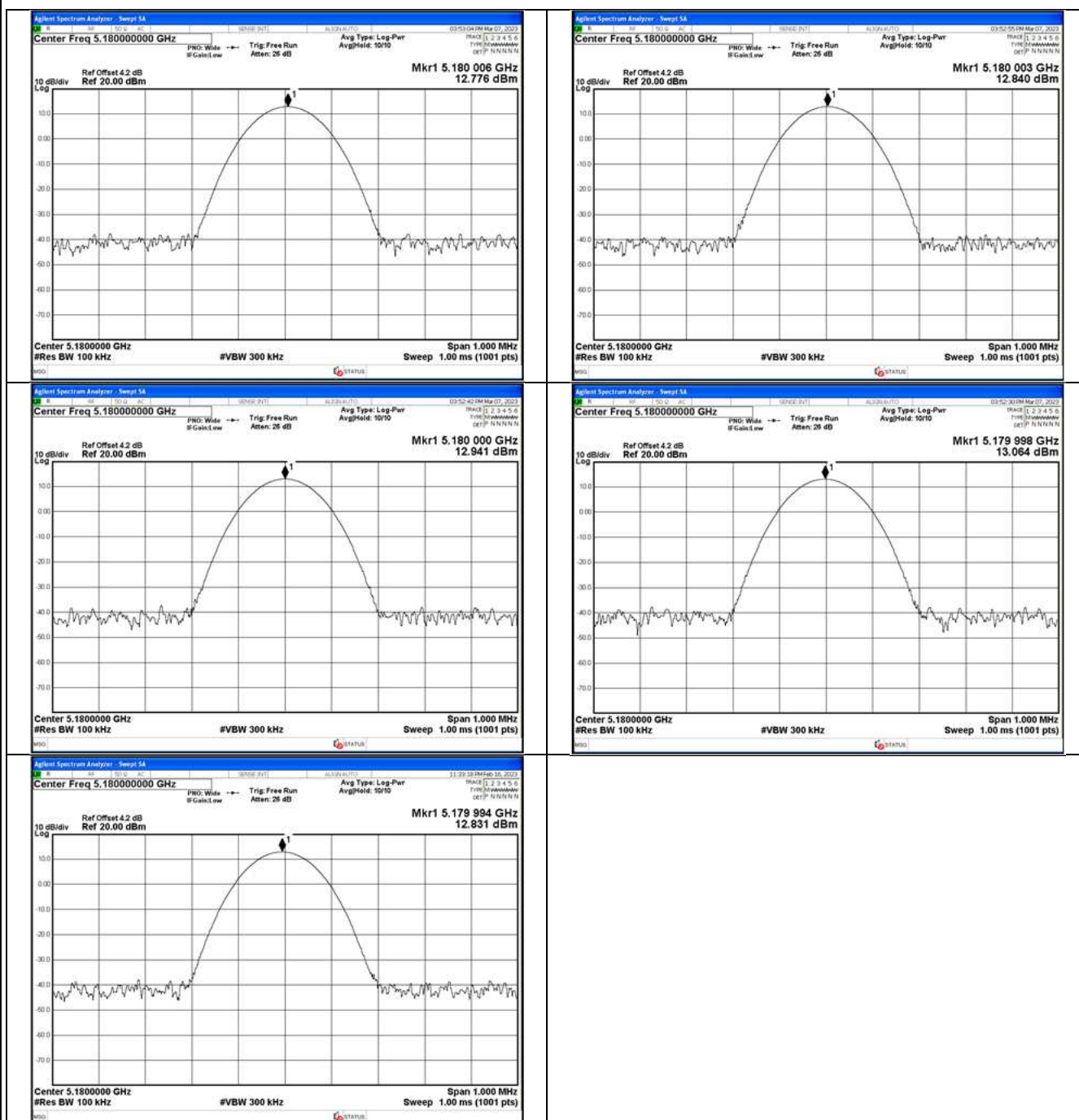


Appendix B.6: Test Result of Frequency Stability

Wi-Fi 802.11a mode:

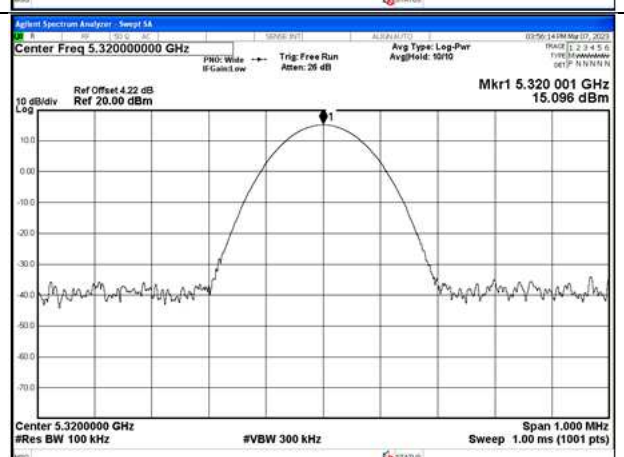
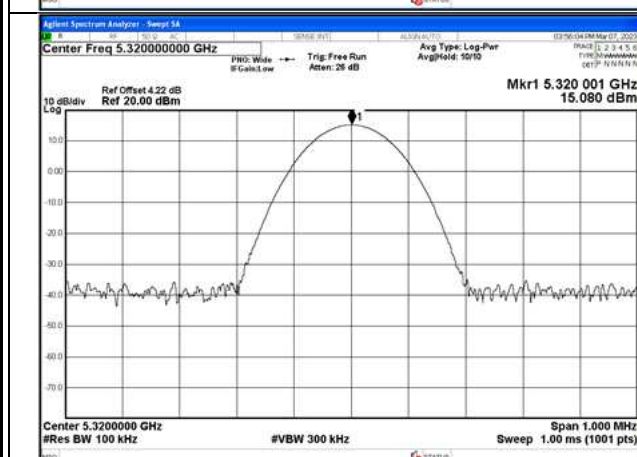
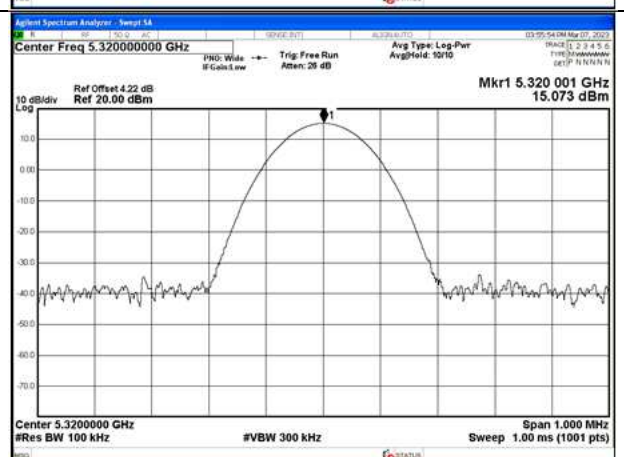
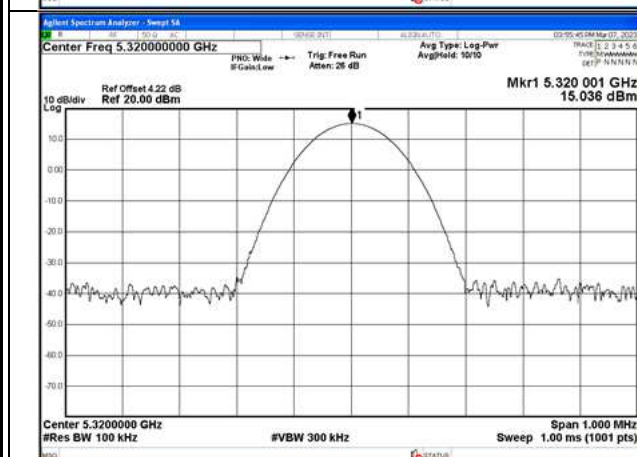
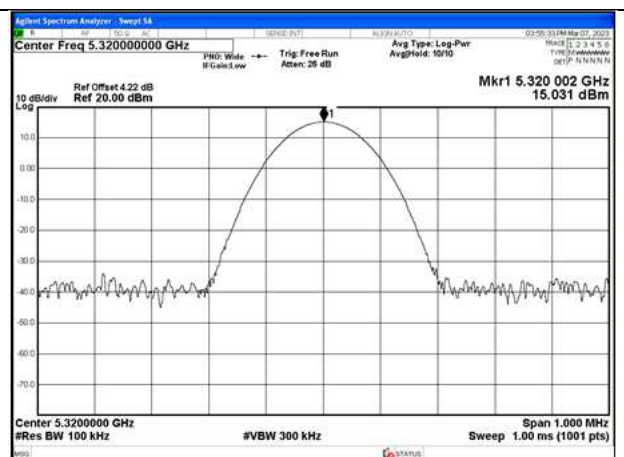
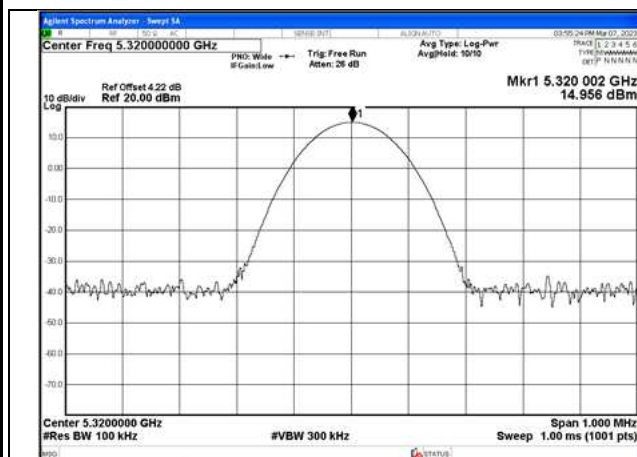
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5180	3.3	0	5180.0135	2.61	25	Pass
		10	5180.0120	2.32	25	Pass
		20	5180.0100	1.93	25	Pass
		30	5180.0080	1.54	25	Pass
		40	5180.0060	1.16	25	Pass
		50	5180.0030	0.58	25	Pass
		60	5180.0000	0.00	25	Pass
	2.97	25	5179.9975	0.48	25	Pass
	3.63	25	5179.9935	1.25	25	Pass

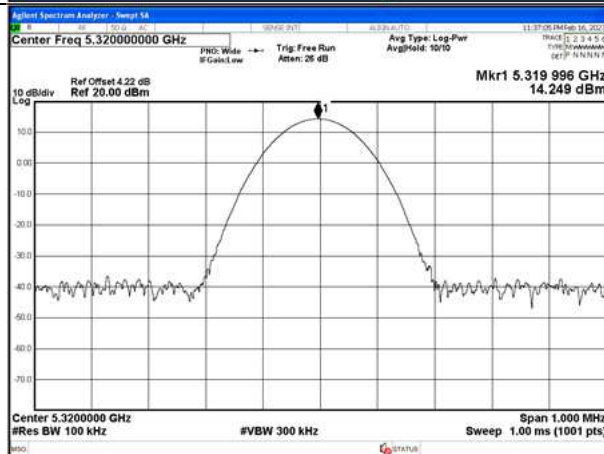
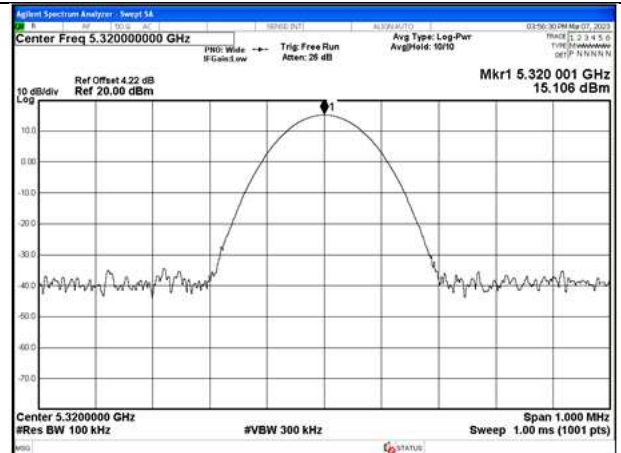
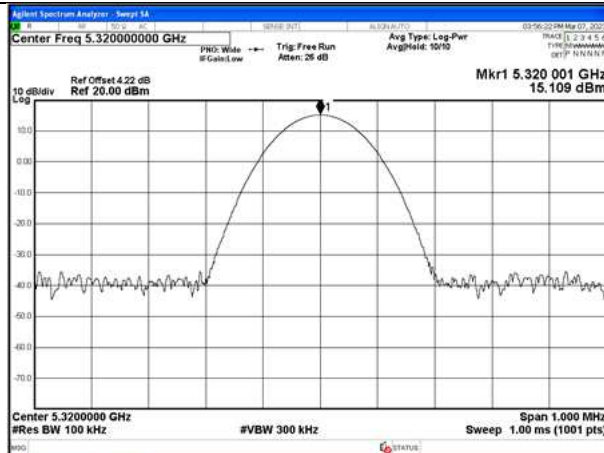




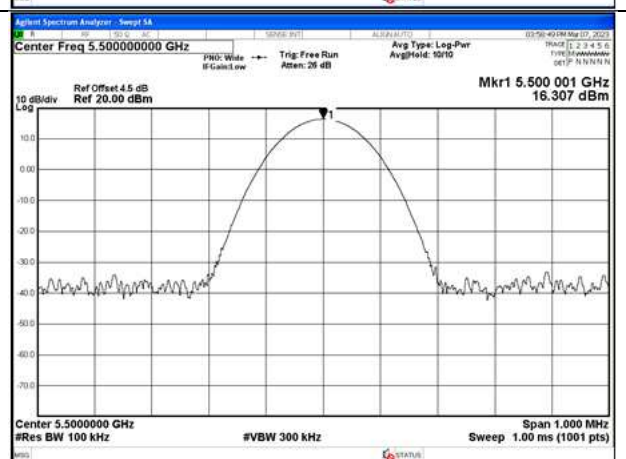
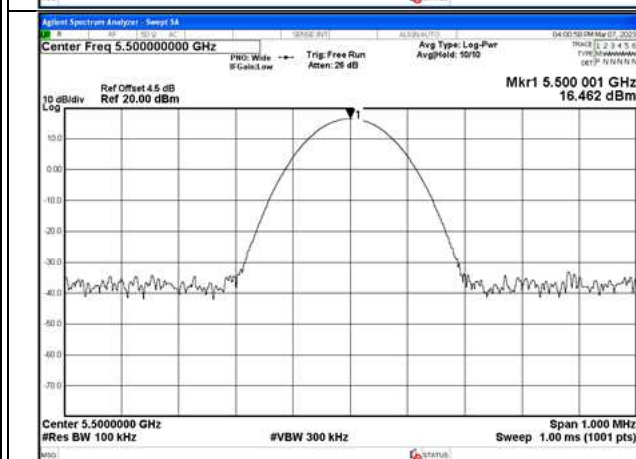
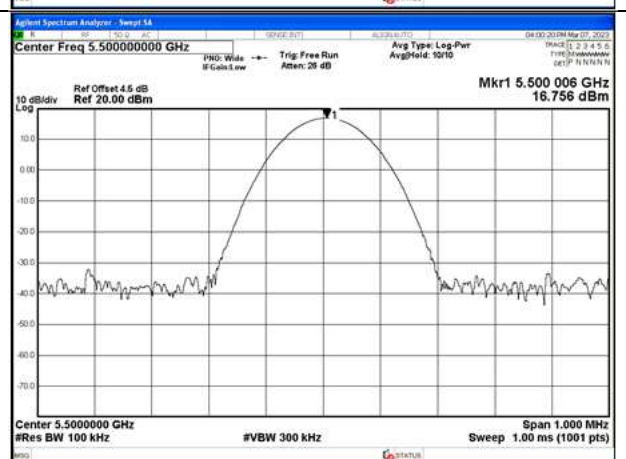
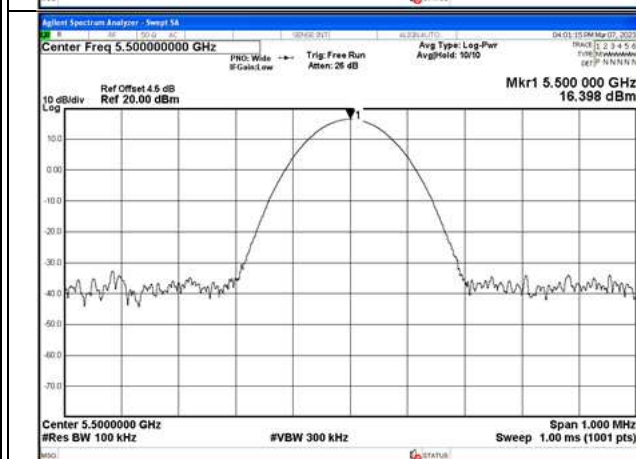
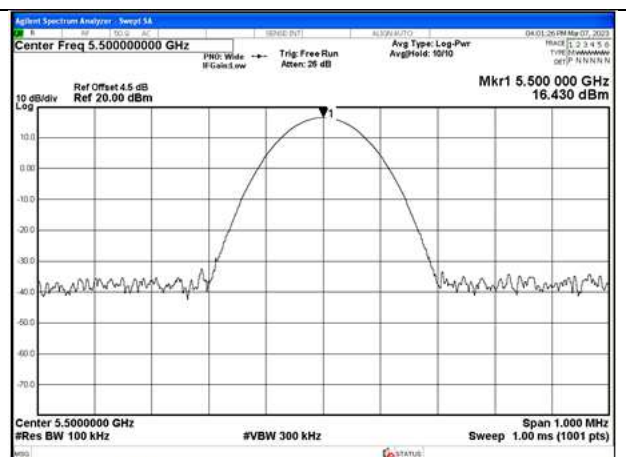
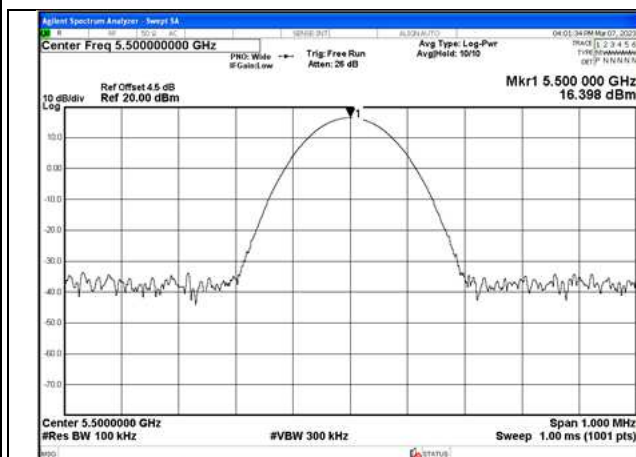
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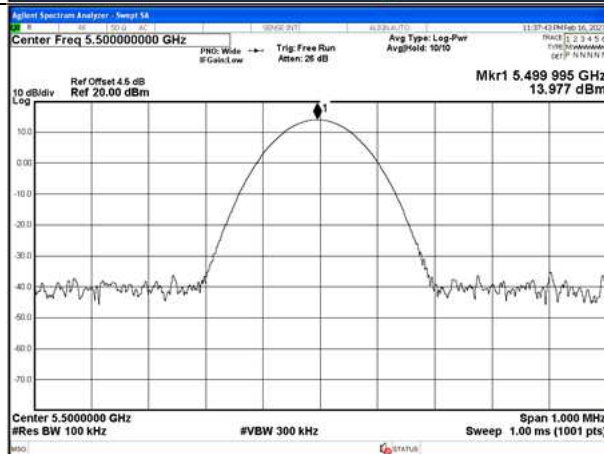
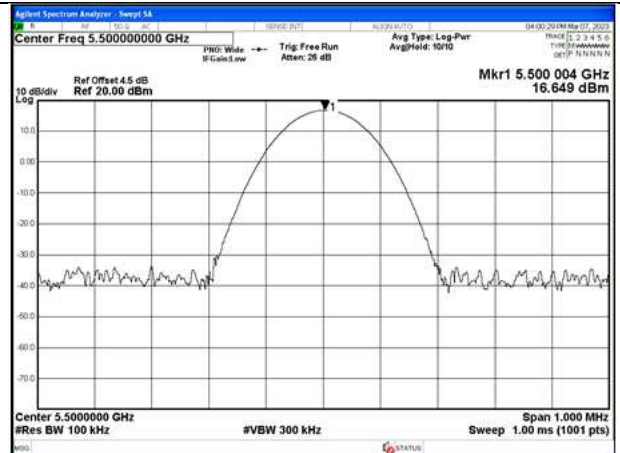
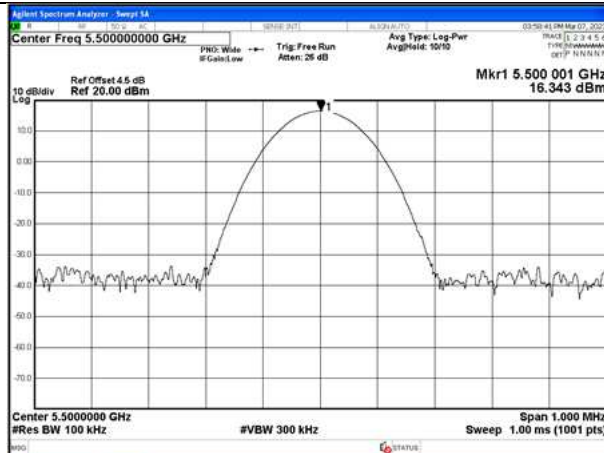
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5320	3.3	0	5320.0020	0.38	25	Pass
		10	5320.0015	0.28	25	Pass
		20	5320.0010	0.19	25	Pass
		30	5320.0010	0.19	25	Pass
		40	5320.0010	0.19	25	Pass
		50	5320.0005	0.09	25	Pass
		60	5320.0005	0.09	25	Pass
	2.97	25	5320.0005	0.09	25	Pass
	3.63	25	5319.9960	0.75	25	Pass





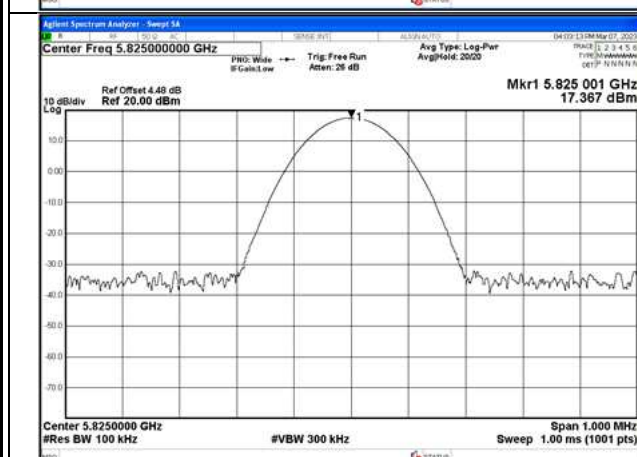
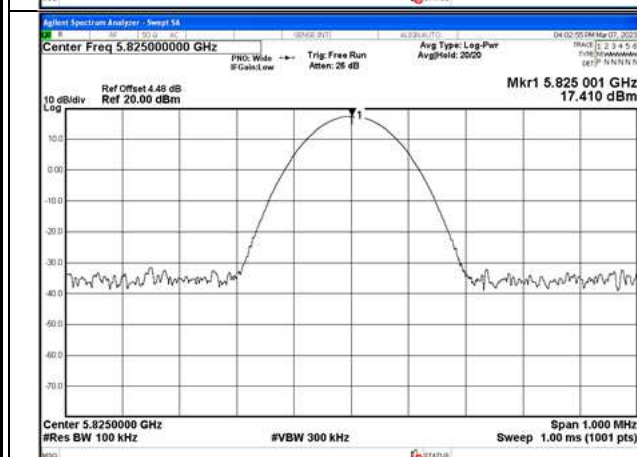
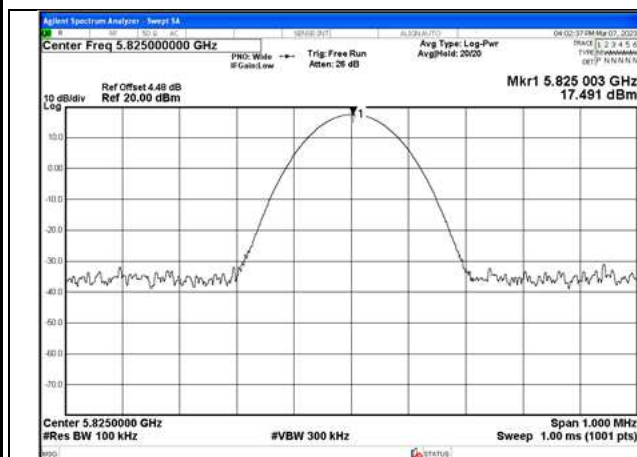
Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5500	3.3	0	5500.0000	0.00	25	Pass
		10	5500.0000	0.00	25	Pass
		20	5500.0000	0.00	25	Pass
		30	5500.0060	1.09	25	Pass
		40	5500.0005	0.09	25	Pass
		50	5500.0005	0.09	25	Pass
		60	5500.0010	0.18	25	Pass
	2.97	25	5500.0035	0.64	25	Pass
	3.63	25	5499.9950	0.91	25	Pass

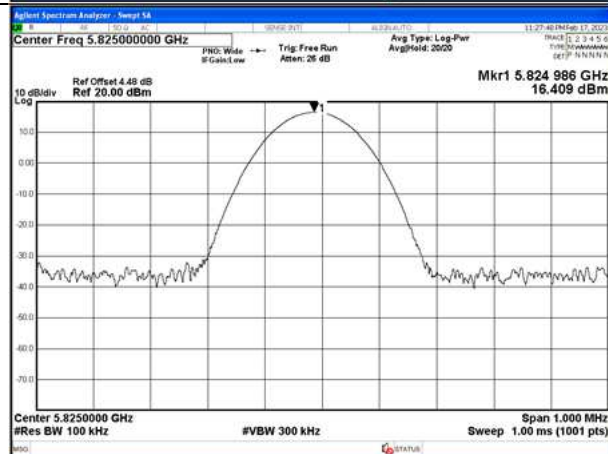
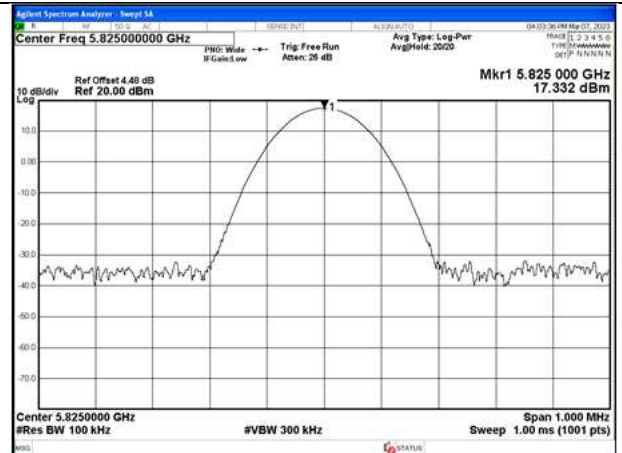
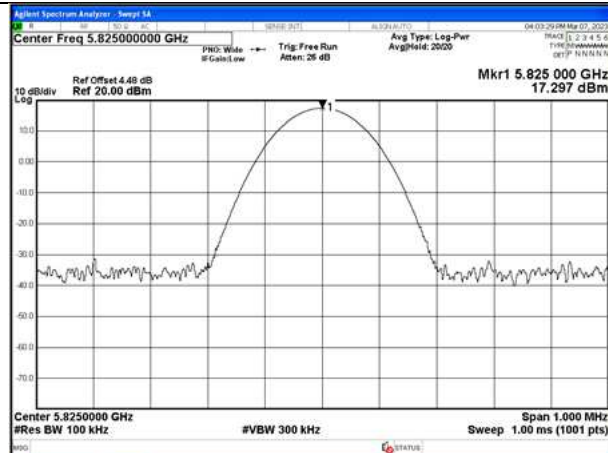




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Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Measured Frequency (MHz)	Deviation (ppm)	Limit (ppm)	Result
5825	3.3	0	5825.0030	0.52	25	Pass
		10	5825.0020	0.34	25	Pass
		20	5825.0010	0.17	25	Pass
		30	5825.0010	0.17	25	Pass
		40	5825.0005	0.09	25	Pass
		50	5825.0000	0.00	25	Pass
		60	5825.0000	0.00	25	Pass
	2.97	25	5825.0000	0.00	25	Pass
	3.63	25	5824.9860	2.40	25	Pass





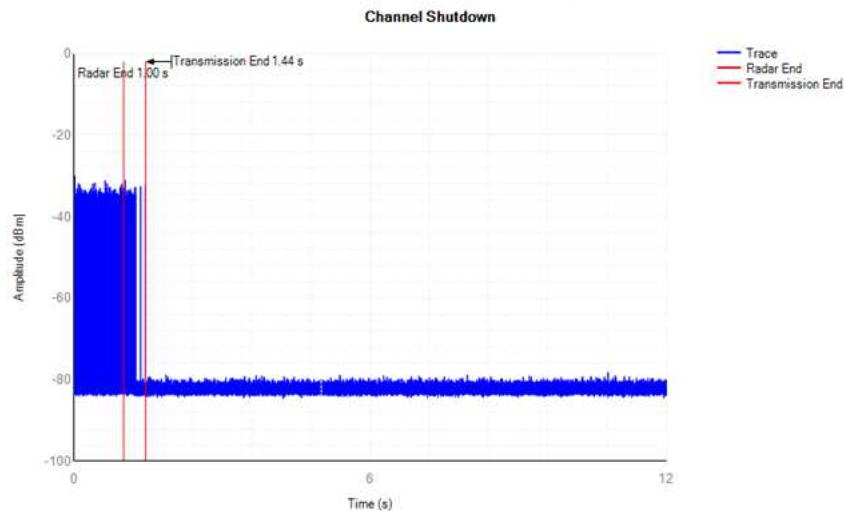
Appendix B.7: Test Result of Dynamic Frequency Selection (DFS)

Band 2					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5290	0.0705	<260ms	Complies
Channel move time	1	5290	0.4433	<10s	Complies
Non-Occupancy Period	1	5290	not be less than 30 Min	30 Minutes	Complies

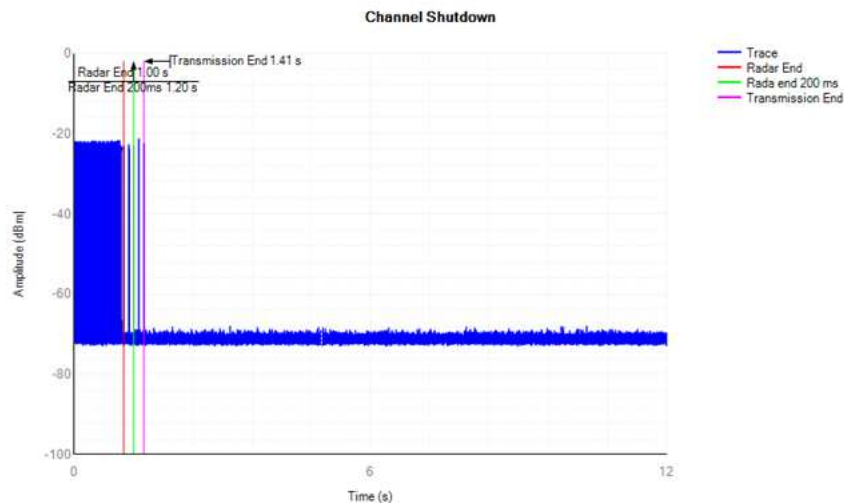
Band 3					
Description	Radar Type	Radar Freq.	Measured Val.(s)	Requirement	Status
Channel closing transmission time	1	5530	0.0033	<260ms	Complies
Channel move time	1	5530	0.4097	<10s	Complies
Non-Occupancy Period	1	5530	not be less than 30 Min	30 Minutes	Complies

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

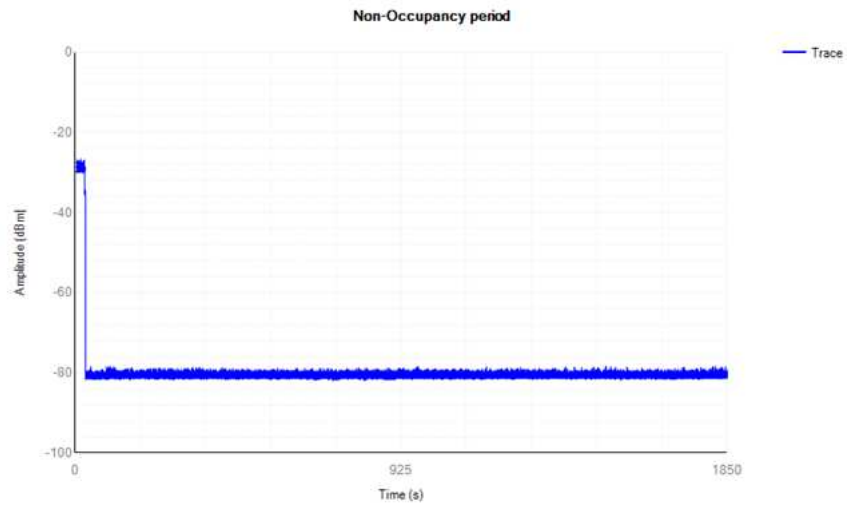
CH58 Channel move time & Channel Closing Transmission Time



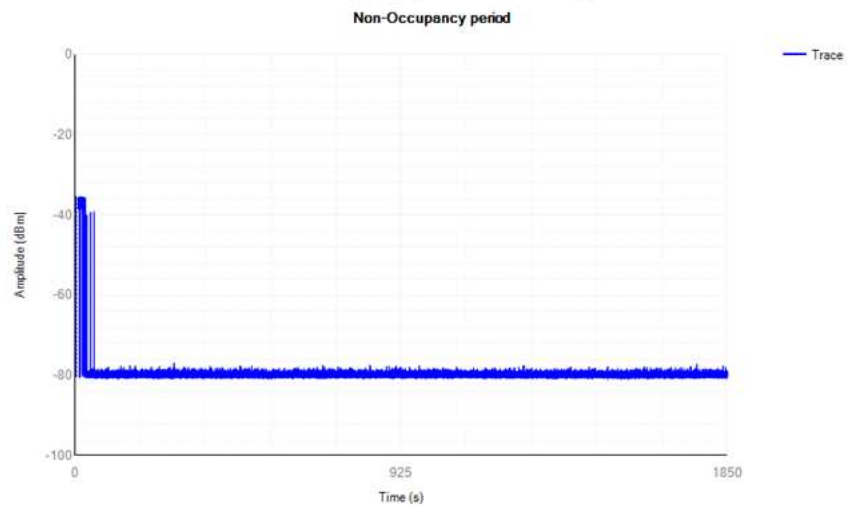
CH106 Channel move time & Channel Closing Transmission Time



CH58 Non-Occupancy Period for Type 1 radar.



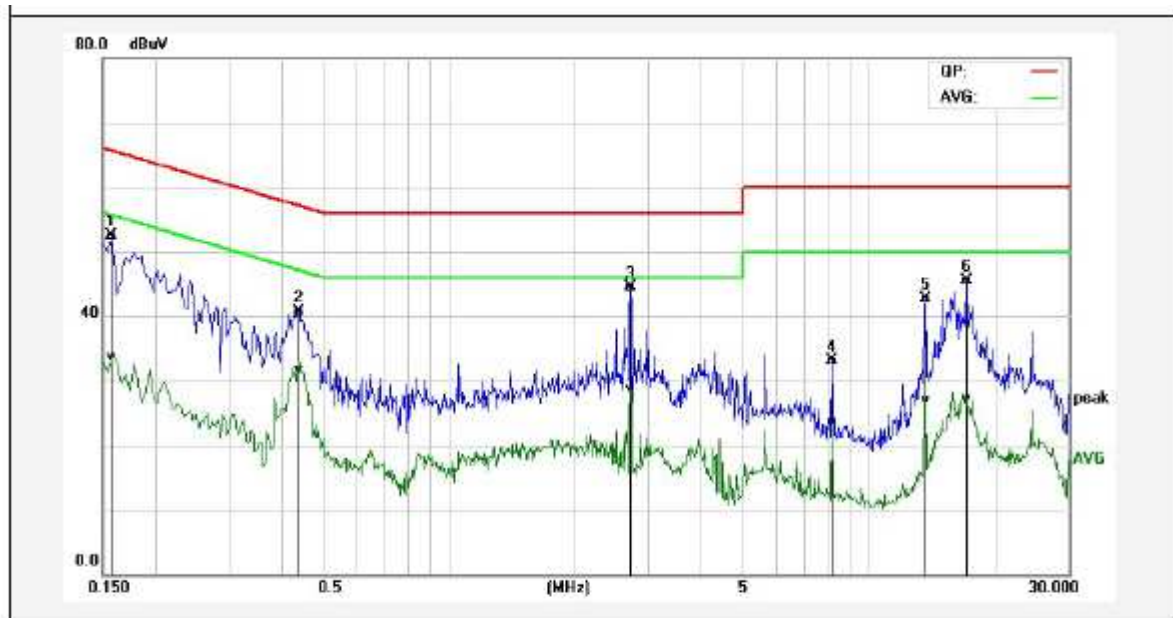
CH106 Non-Occupancy Period for Type 1 radar.



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

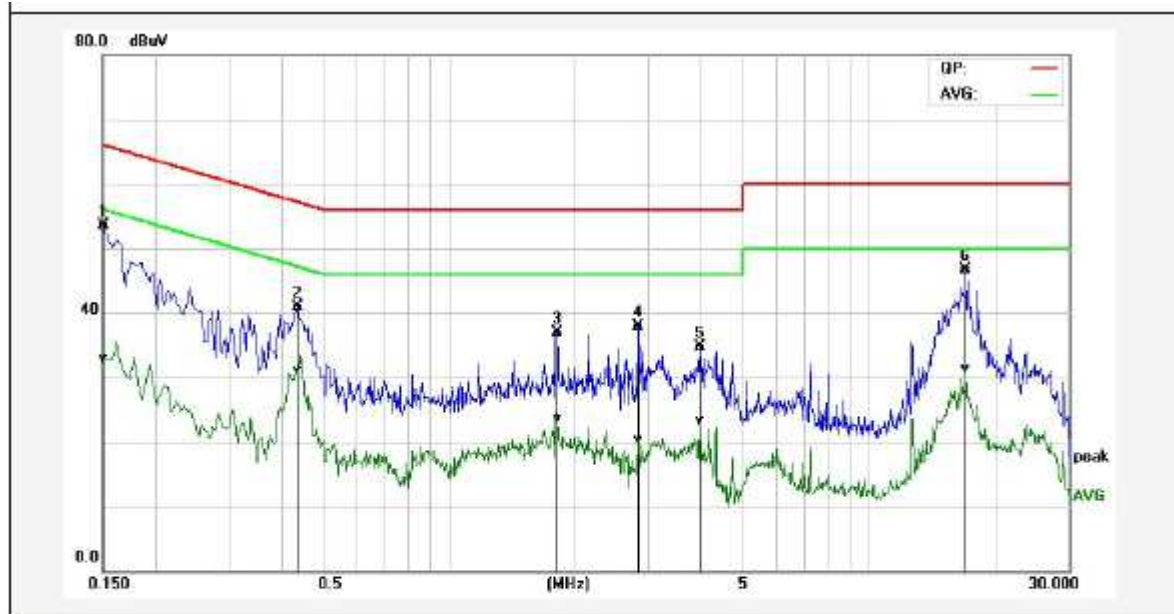
working mode

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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	1.8220	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