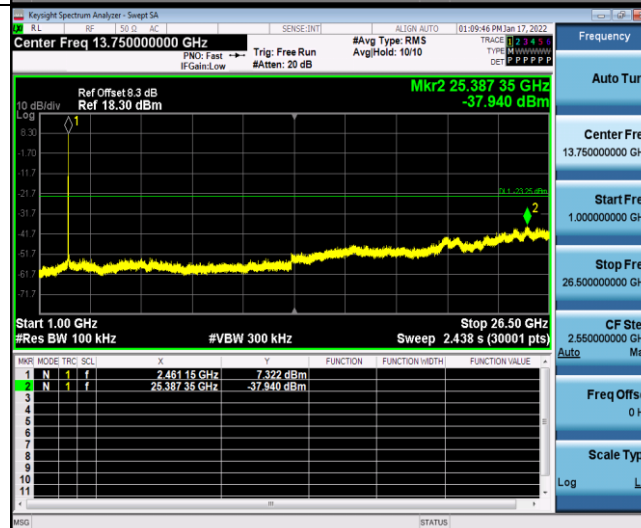
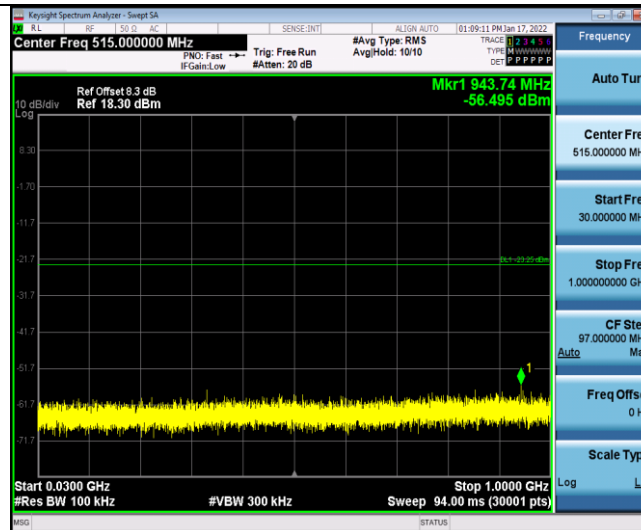


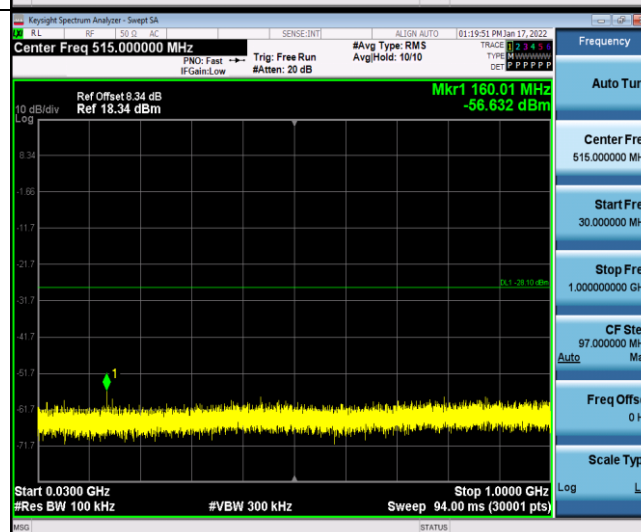


SISO_Chain 1_ IEEE 802.11g

In-Band Reference Level 2412MHz ANT1

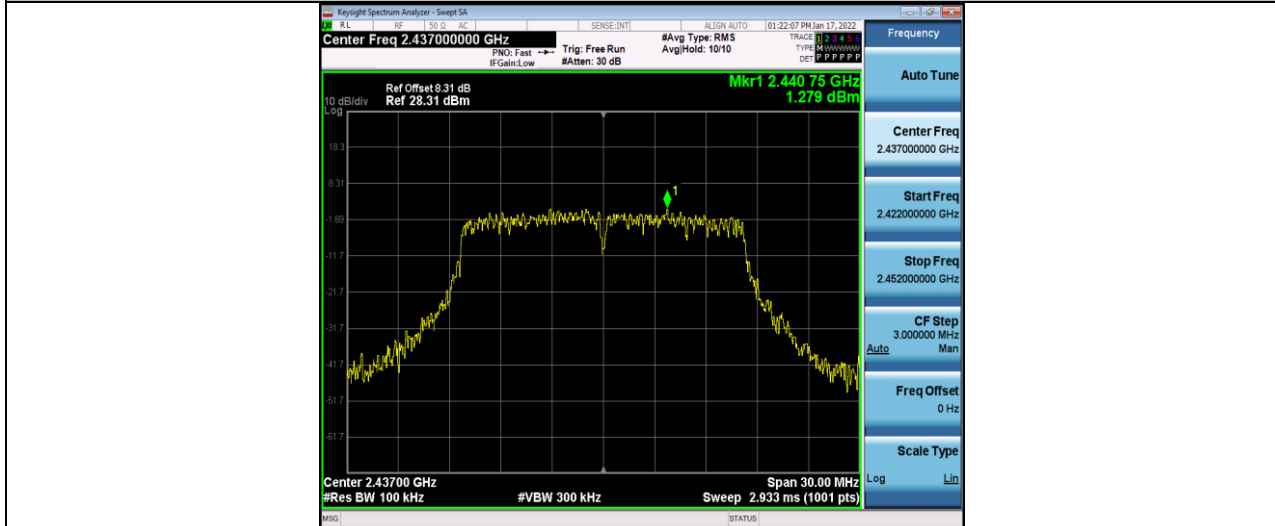


Out of Band Emission 2412MHz ANT1

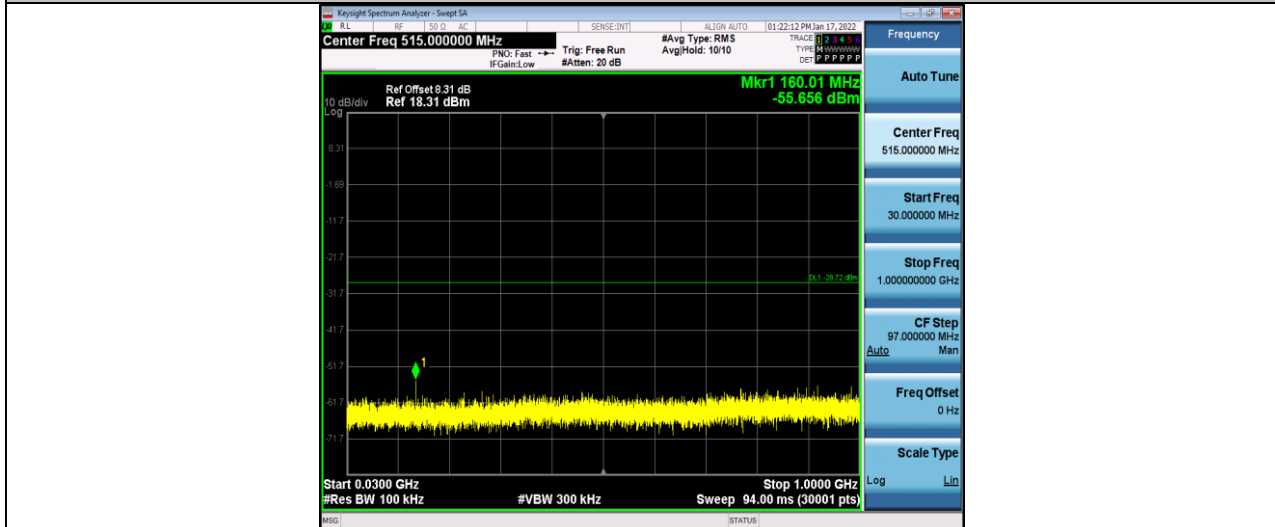




In-Band Reference Level 2437MHz ANT1

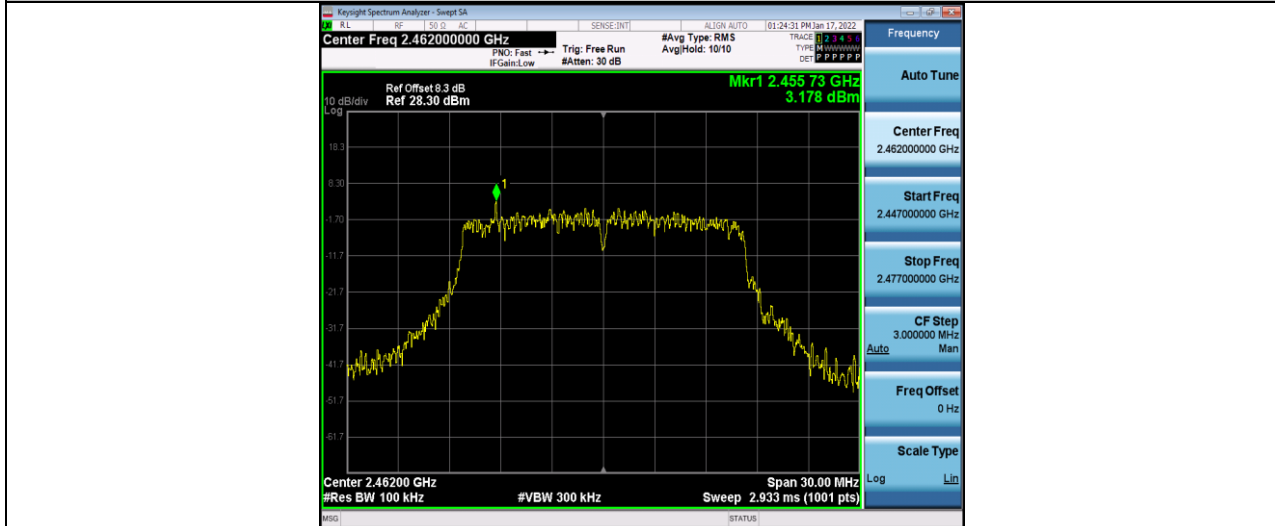


Out of Band Emission 2437MHz ANT0

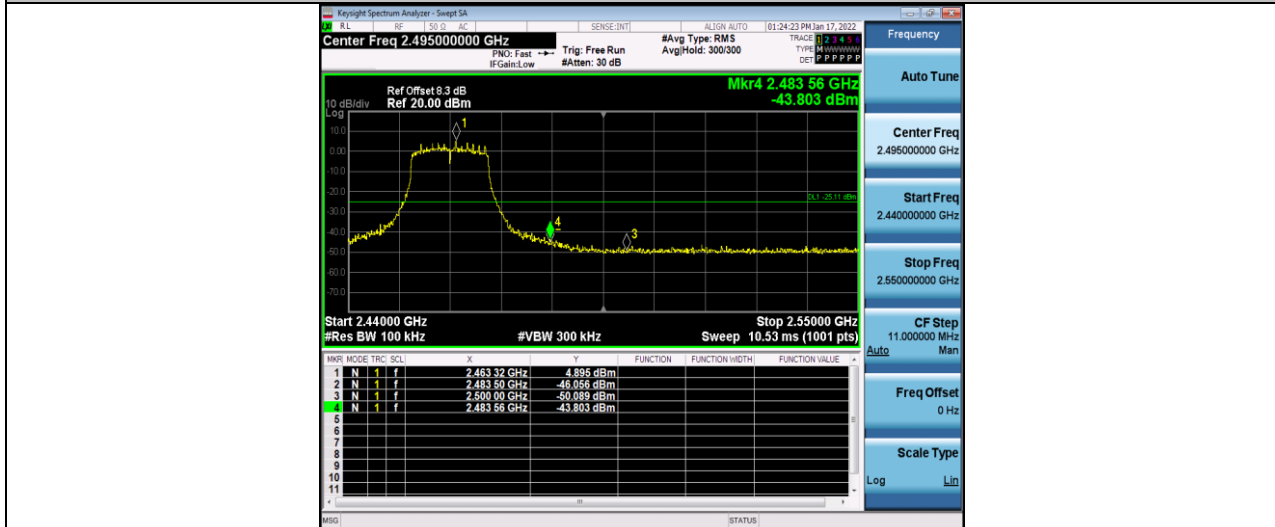


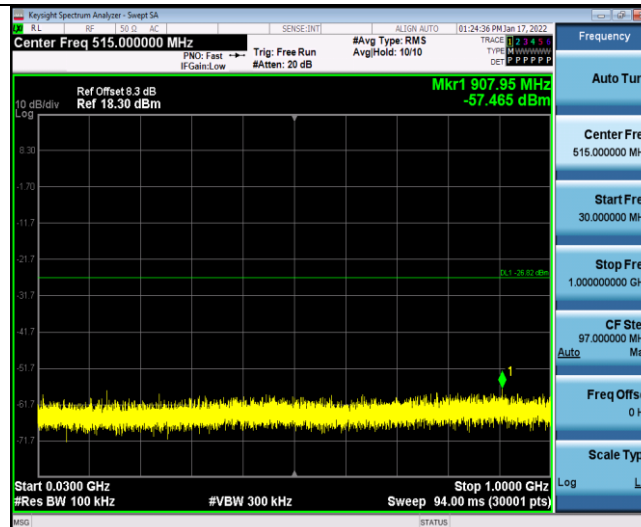


In-Band Reference Level 2462MHz ANT1



Out of Band Emission 2462MHz ANT1



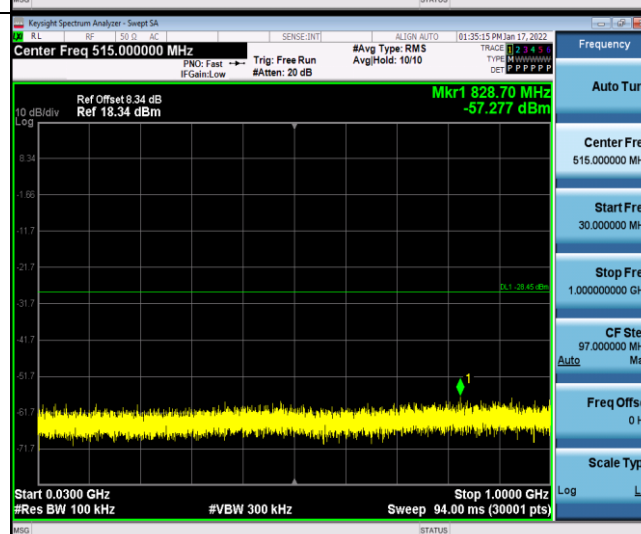
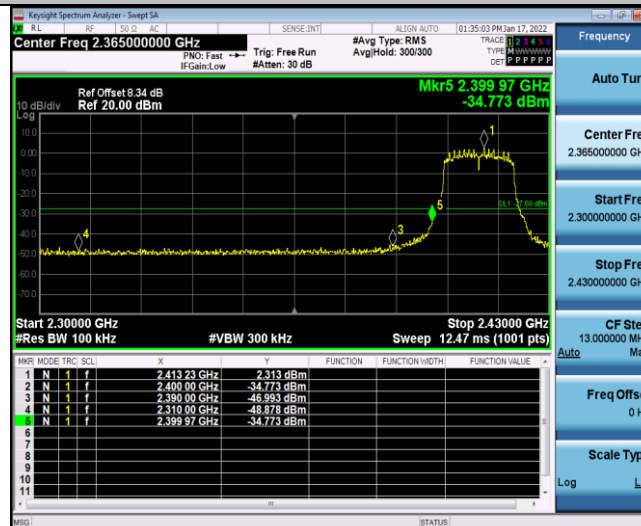


MIMO_Chain 1_ IEEE 802.11n-HT20

In-Band Reference Level 2412MHz ANT1

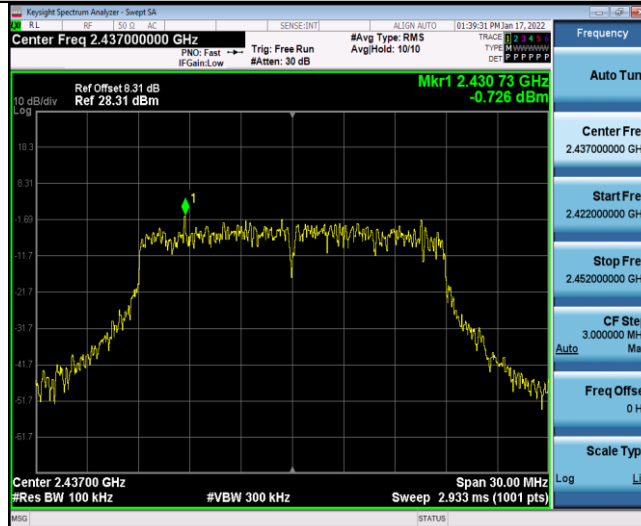


Out of Band Emission 2412MHz ANT1

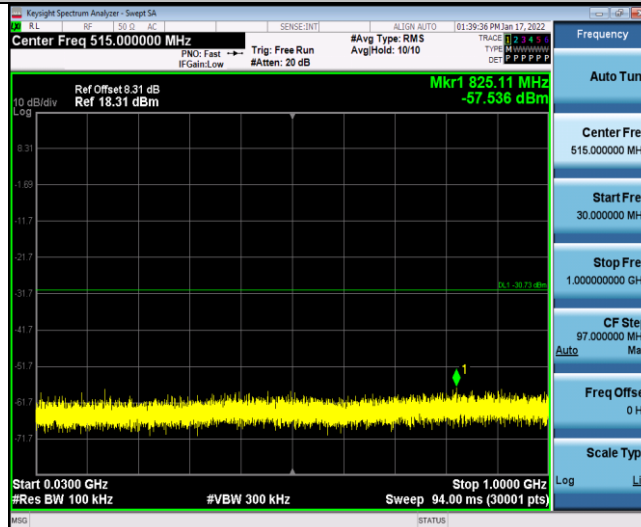




In-Band Reference Level 2437MHz ANT1

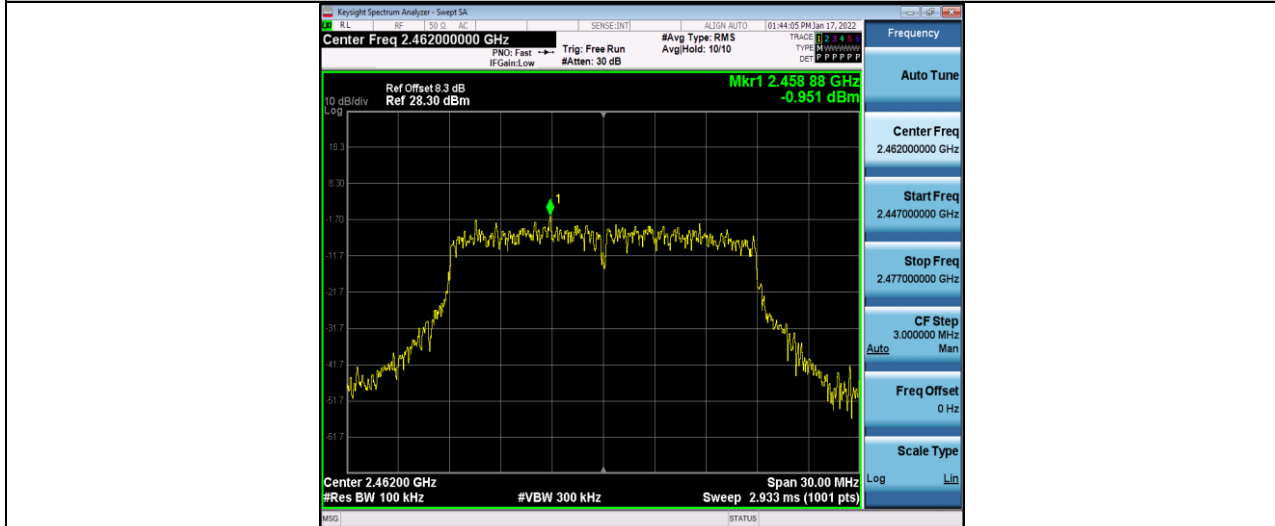


Out of Band Emission 2437MHz ANT1

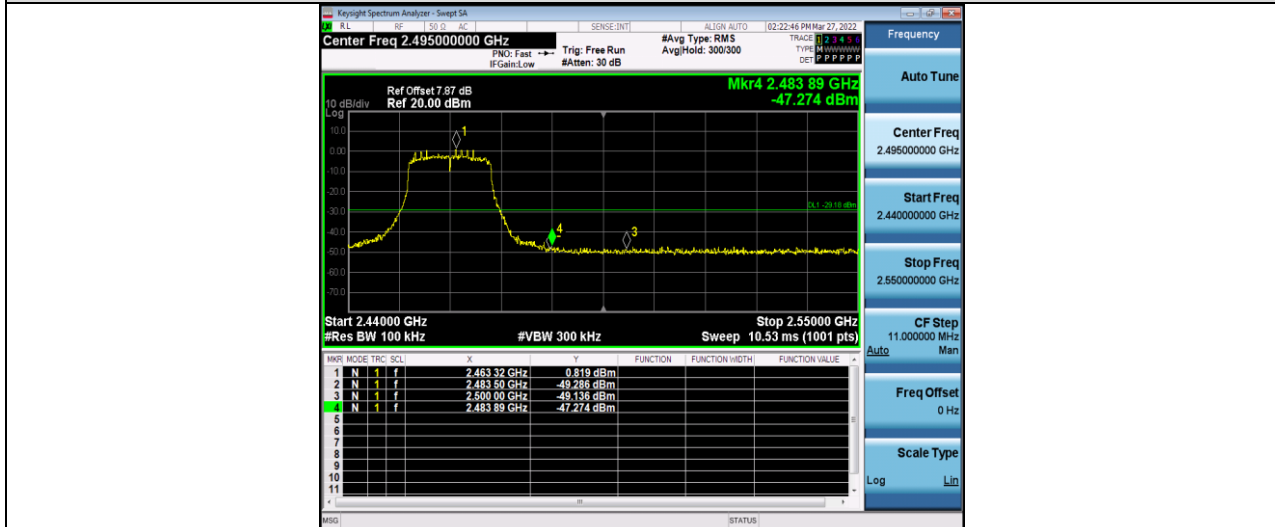


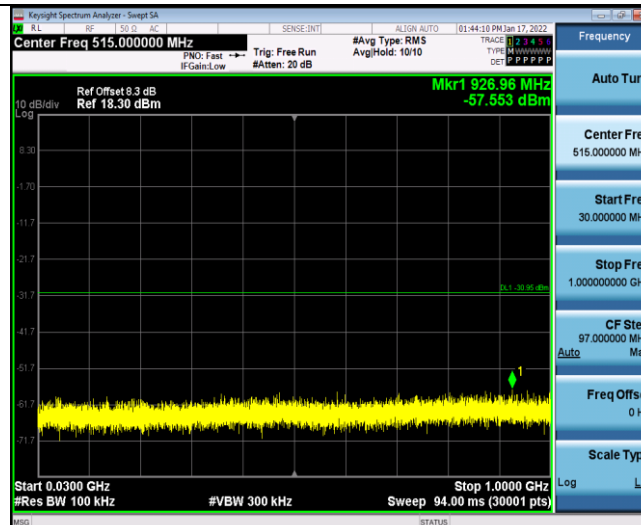


In-Band Reference Level 2462MHz ANT1



Out of Band Emission 2462MHz Ant1



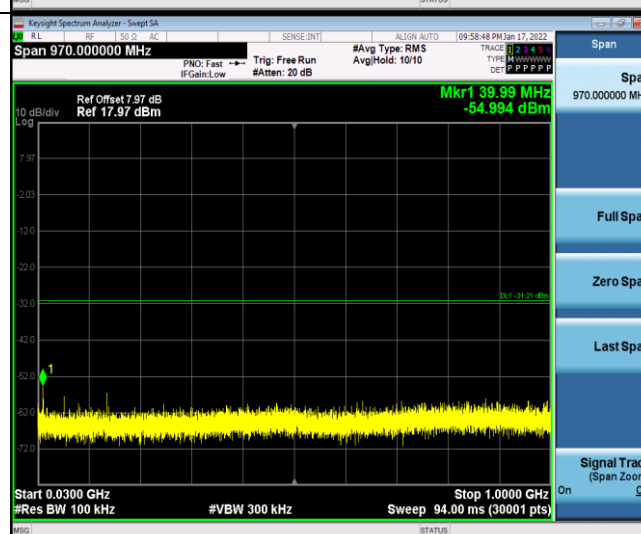


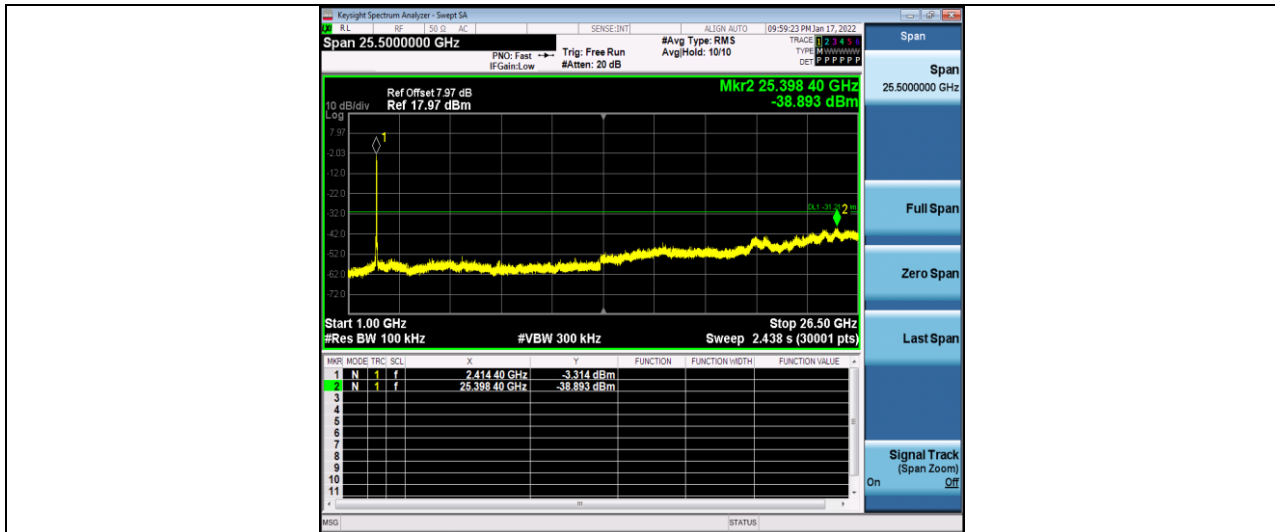
MIMO_Chain 1_ IEEE 802.11n-HT40

In-Band Reference Level 2422MHz ANT1

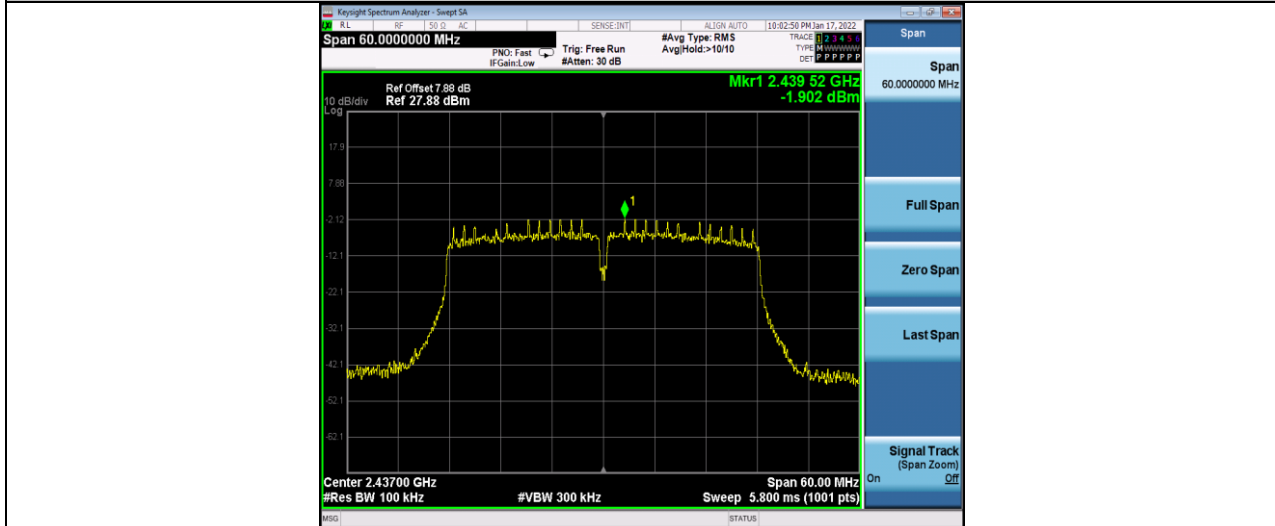


Out of Band Emission 2422MHz ANT1

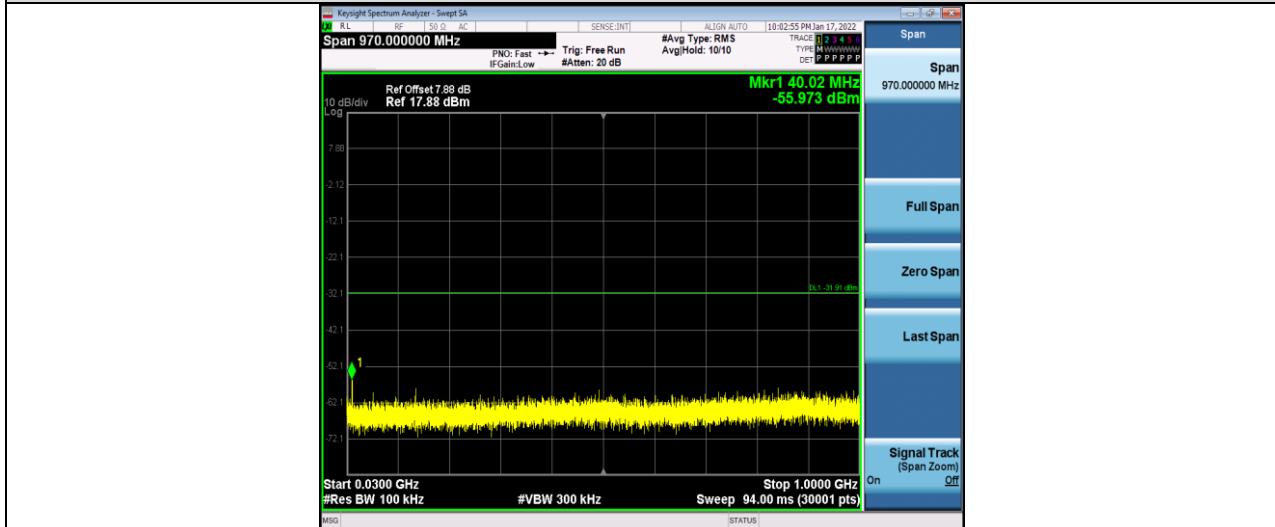


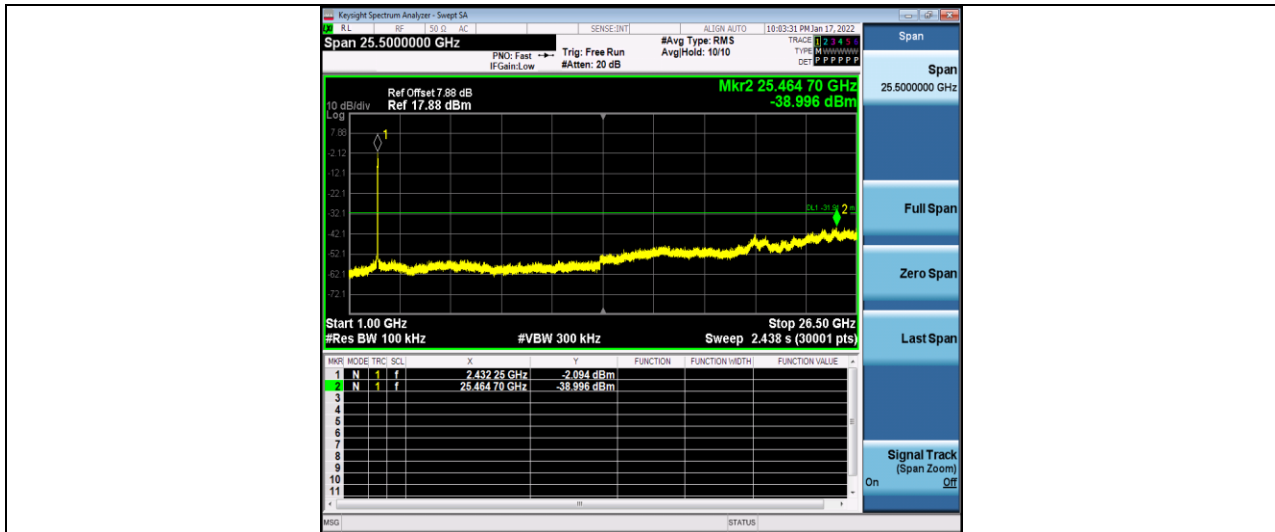


In-Band Reference Level 2437MHz ANT1

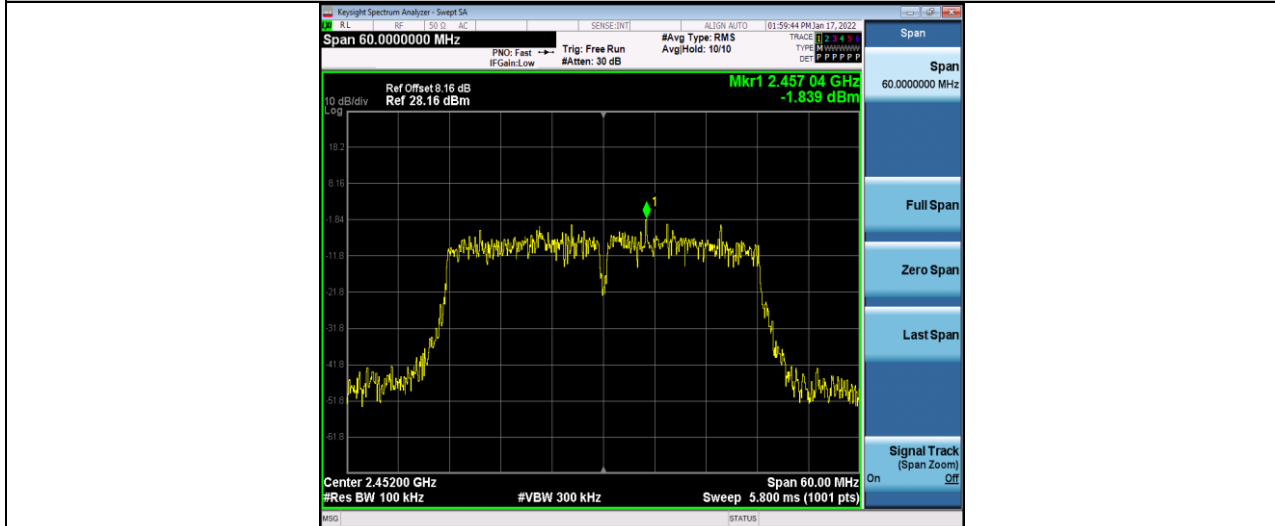


Out of Band Emission 2437MHz ANT1





In-Band Reference Level 2452MHz ANT1



Out of Band Emission 2452MHz ANT1





TEST REPORT

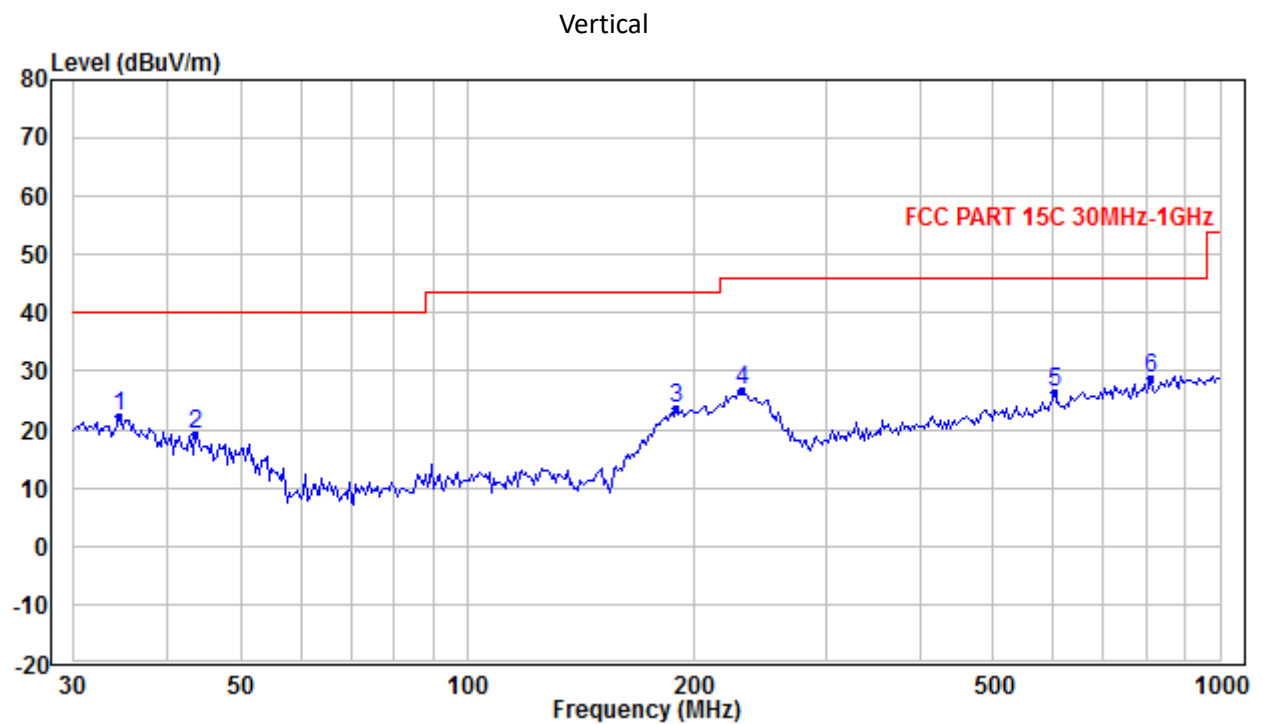
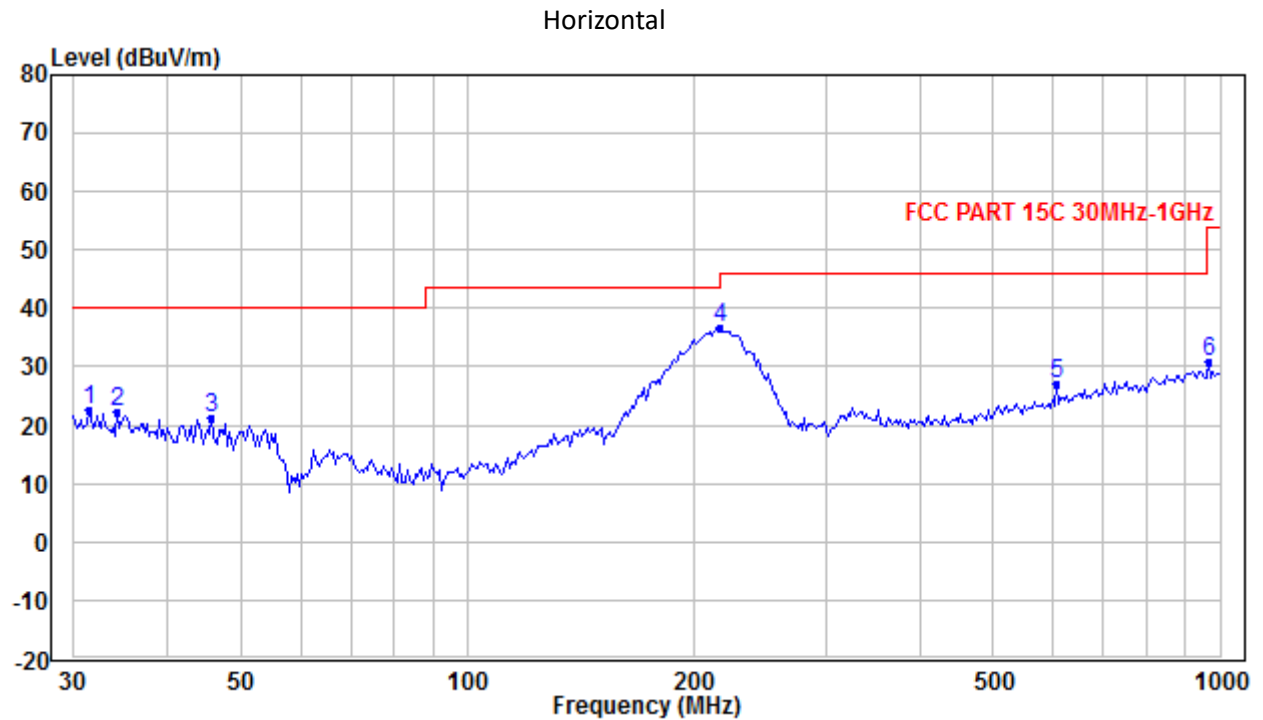
Appendix E

Radiated Emission Test Data (9 KHz ~ 30 MHz):

The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

Radiated Emissions(30MHz-1GHz)

Test data 30MHz~1GHz:



TEST REPORT

Test data 30MHz~1GHz:

Polarization	Frequency (MHz)	Measured level (dBμV/m)	Factor (dB/m)	Limits (dBμV/m)	Margin (dB)	Detector
H	31.513	22.55	-4.65	40.00	17.45	Peak
	34.285	22.37	-4.78	40.00	17.63	Peak
	45.733	21.15	-11.70	40.00	18.85	Peak
	216.120	36.64	-10.98	46.00	9.36	Peak
	607.181	26.91	-0.66	46.00	19.09	Peak
	965.474	30.78	4.75	54.00	23.22	Peak
V	34.527	22.10	-4.60	40.00	17.90	Peak
	43.538	19.27	-10.12	40.00	20.73	Peak
	189.108	23.65	-10.38	43.50	19.85	Peak
	231.853	26.89	-10.13	46.00	19.11	Peak
	602.929	26.25	-0.72	46.00	19.75	Peak
	809.924	28.83	2.64	46.00	17.17	Peak

Remark:

- Factor= Antenna Factor + Cable Loss (-Amplifier, is employed)
- Measured level= Original Receiver Reading + Factor
- Margin = Limit – Measured level
- All possible modes of operation were investigated, only the worst-case emissions reported.
- Pre-scan test indicated that QP level is less than Peak level about 5dB in same frequency and same Polarization direction, so not all data was recorded by QP detector.

TEST REPORT

Radiated Emission Test Data (Above 1GHz):

SISO_Chain 0_IEEE 802.11b_Channel 1:								
No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4824	43.76	-2.33	41.43	74	32.57	Peak	Horizontal
2	4824	26.60	-2.33	24.27	54	29.73	Average	Horizontal
3	7236	44.01	1.47	45.48	74	28.52	Peak	Horizontal
4	7236	28.34	1.47	29.81	54	24.19	Average	Horizontal
5	4824	42.94	-2.33	40.61	74	33.39	Peak	Vertical
6	4824	26.09	-2.33	23.76	54	30.24	Average	Vertical
7	7236	43.69	1.47	45.16	74	28.84	Peak	Vertical
8	7236	28.02	1.47	29.49	54	24.51	Average	Vertical

SISO_Chain 0_IEEE 802.11b_Channel 6:								
No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4874	42.66	-2.29	40.37	74	33.63	Peak	Horizontal
2	4874	25.55	-2.29	23.26	54	30.74	Average	Horizontal
3	7311	42.31	1.60	43.91	74	30.09	Peak	Horizontal
4	7311	26.31	1.60	27.91	54	26.09	Average	Horizontal
5	4874	43.15	-2.29	40.86	74	33.14	Peak	Vertical
6	4874	26.59	-2.29	24.30	54	29.70	Average	Vertical
7	7311	43.24	1.60	44.84	74	29.16	Peak	Vertical
8	7311	27.27	1.60	28.87	54	25.13	Average	Vertical

SISO_Chain 0_IEEE 802.11b_Channel 11:								
No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4924	43.07	-2.26	40.81	74	33.19	Peak	Horizontal
2	4924	25.77	-2.26	23.51	54	30.49	Average	Horizontal
3	7386	43.58	1.72	45.30	74	28.70	Peak	Horizontal
4	7386	27.65	1.72	29.37	54	24.63	Average	Horizontal
5	4924	41.93	-2.26	39.67	74	34.33	Peak	Vertical
6	4924	25.03	-2.26	22.77	54	31.23	Average	Vertical
7	7386	42.82	1.72	44.54	74	29.46	Peak	Vertical
8	7386	26.92	1.72	28.64	54	25.36	Average	Vertical

TEST REPORT

SISO_Chain 1_ IEEE 802.11b_ Channel 1:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4824	42.56	-2.33	40.23	74	33.77	Peak	Horizontal
2	4824	25.91	-2.33	23.58	54	30.42	Average	Horizontal
3	7236	42.53	1.47	44.00	74	30.00	Peak	Horizontal
4	7236	26.50	1.47	27.97	54	26.03	Average	Horizontal
5	4824	42.29	-2.33	39.96	74	34.04	Peak	Vertical
6	4824	25.72	-2.33	23.39	54	30.61	Average	Vertical
7	7236	42.41	1.47	43.88	74	30.12	Peak	Vertical
8	7236	26.58	1.47	28.05	54	25.95	Average	Vertical

SISO_Chain 1_ IEEE 802.11b_ Channel 6:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4874	42.07	-2.29	39.78	74	34.22	Peak	Horizontal
2	4874	24.72	-2.29	22.43	54	31.57	Average	Horizontal
3	7311	43.18	1.60	44.78	74	29.22	Peak	Horizontal
4	7311	27.06	1.60	28.66	54	25.34	Average	Horizontal
5	4874	41.52	-2.29	39.23	74	34.77	Peak	Vertical
6	4874	24.32	-2.29	22.03	54	31.97	Average	Vertical
7	7311	43.02	1.60	44.62	74	29.38	Peak	Vertical
8	7311	27.01	1.60	28.61	54	25.39	Average	Vertical

SISO_Chain 1_ IEEE 802.11b_ Channel 11:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4924	42.13	-2.26	39.87	74	34.13	Peak	Horizontal
2	4924	25.42	-2.26	23.16	54	30.84	Average	Horizontal
3	7386	42.58	1.72	44.30	74	29.70	Peak	Horizontal
4	7386	26.40	1.72	28.12	54	25.88	Average	Horizontal
5	4924	41.01	-2.26	38.75	74	35.25	Peak	Vertical
6	4924	24.45	-2.26	22.19	54	31.81	Average	Vertical
7	7386	42.39	1.72	44.11	74	29.89	Peak	Vertical
8	7386	26.39	1.72	28.11	54	25.89	Average	Vertical

SISO_Chain 0_IEEE 802.11g_Channel 1:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4824	42.06	-2.33	39.73	74	34.27	Peak	Horizontal
2	4824	25.14	-2.33	22.81	54	31.19	Average	Horizontal
3	7236	43.35	1.47	44.82	74	29.18	Peak	Horizontal
4	7236	27.62	1.47	29.09	54	24.91	Average	Horizontal
5	4824	42.43	-2.33	40.10	74	33.90	Peak	Vertical
6	4824	25.25	-2.33	22.92	54	31.08	Average	Vertical
7	7236	42.12	1.47	43.59	74	30.41	Peak	Vertical
8	7236	26.09	1.47	27.56	54	26.44	Average	Vertical

SISO_Chain 0_IEEE 802.11g_Channel 6:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4874	41.56	-2.29	39.27	74	34.73	Peak	Horizontal
2	4874	24.98	-2.29	22.69	54	31.31	Average	Horizontal
3	7311	43.96	1.60	45.56	74	28.44	Peak	Horizontal
4	7311	28.31	1.60	29.91	54	24.09	Average	Horizontal
5	4874	40.73	-2.29	38.44	74	35.56	Peak	Vertical
6	4874	23.48	-2.29	21.19	54	32.81	Average	Vertical
7	7311	42.28	1.60	43.88	74	30.12	Peak	Vertical
8	7311	26.29	1.60	27.89	54	26.11	Average	Vertical

SISO_Chain 0_IEEE 802.11g_Channel 11:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4924	41.51	-2.26	39.25	74	34.75	Peak	Horizontal
2	4924	24.69	-2.26	22.43	54	31.57	Average	Horizontal
3	7386	42.64	1.72	44.36	74	29.64	Peak	Horizontal
4	7386	26.56	1.72	28.28	54	25.72	Average	Horizontal
5	4924	41.76	-2.26	39.50	74	34.50	Peak	Vertical
6	4924	24.95	-2.26	22.69	54	31.31	Average	Vertical
7	7386	41.97	1.72	43.69	74	30.31	Peak	Vertical
8	7386	25.92	1.72	27.64	54	26.36	Average	Vertical

SISO_Chain 1_IEEE 802.11g_Channel 1:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4824	40.96	-2.33	38.63	74	35.37	Peak	Horizontal
2	4824	24.38	-2.33	22.05	54	31.95	Average	Horizontal
3	7236	41.66	1.47	43.13	74	30.87	Peak	Horizontal
4	7236	25.83	1.47	27.30	54	26.70	Average	Horizontal
5	4824	41.63	-2.33	39.30	74	34.70	Peak	Vertical
6	4824	24.32	-2.33	21.99	54	32.01	Average	Vertical
7	7236	43.28	1.47	44.75	74	29.25	Peak	Vertical
8	7236	27.14	1.47	28.61	54	25.39	Average	Vertical

SISO_Chain 1_IEEE 802.11g_Channel 6:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4874	41.03	-2.29	38.74	74	35.26	Peak	Horizontal
2	4874	23.85	-2.29	21.56	54	32.44	Average	Horizontal
3	7311	43.68	1.60	45.28	74	28.72	Peak	Horizontal
4	7311	27.51	1.60	29.11	54	24.89	Average	Horizontal
5	4874	41.82	-2.29	39.53	74	34.47	Peak	Vertical
6	4874	24.61	-2.29	22.32	54	31.68	Average	Vertical
7	7311	42.56	1.60	44.16	74	29.84	Peak	Vertical
8	7311	26.66	1.60	28.26	54	25.74	Average	Vertical

SISO_Chain 1_IEEE 802.11g_Channel 11:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4924	41.68	-2.26	39.42	74	34.58	Peak	Horizontal
2	4924	24.69	-2.26	22.43	54	31.57	Average	Horizontal
3	7386	42.14	1.72	43.86	74	30.14	Peak	Horizontal
4	7386	26.31	1.72	28.03	54	25.97	Average	Horizontal
5	4924	41.70	-2.26	39.44	74	34.56	Peak	Vertical
6	4924	24.89	-2.26	22.63	54	31.37	Average	Vertical
7	7386	43.98	1.72	45.70	74	28.30	Peak	Vertical
8	7386	28.19	1.72	29.91	54	24.09	Average	Vertical

MIMO_Chain 0+1_ IEEE 802.11n-HT20_Channel 1:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4824	42.93	-2.33	40.60	74	33.40	Peak	Horizontal
2	4824	26.20	-2.33	23.87	54	30.13	Average	Horizontal
3	7236	42.48	1.47	43.95	74	30.05	Peak	Horizontal
4	7236	26.84	1.47	28.31	54	25.69	Average	Horizontal
5	4824	42.06	-2.33	39.73	74	34.27	Peak	Vertical
6	4824	25.25	-2.33	22.92	54	31.08	Average	Vertical
7	7236	42.27	1.47	43.74	74	30.26	Peak	Vertical
8	7236	26.52	1.47	27.99	54	26.01	Average	Vertical

MIMO_Chain 0+1_ IEEE 802.11n-HT20_Channel 6:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4874	42.55	-2.29	40.26	74	33.74	Peak	Horizontal
2	4874	25.75	-2.29	23.46	54	30.54	Average	Horizontal
3	7311	43.30	1.60	44.90	74	29.10	Peak	Horizontal
4	7311	27.61	1.60	29.21	54	24.79	Average	Horizontal
5	4874	41.31	-2.29	39.02	74	34.98	Peak	Vertical
6	4874	24.19	-2.29	21.90	54	32.10	Average	Vertical
7	7311	42.19	1.60	43.79	74	30.21	Peak	Vertical
8	7311	26.56	1.60	28.16	54	25.84	Average	Vertical

MIMO_Chain 0+1_ IEEE 802.11n-HT20_Channel 11:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4924	41.27	-2.26	39.01	74	34.99	Peak	Horizontal
2	4924	24.26	-2.26	22.00	54	32.00	Average	Horizontal
3	7386	42.43	1.72	44.15	74	29.85	Peak	Horizontal
4	7386	26.25	1.72	27.97	54	26.03	Average	Horizontal
5	4924	41.05	-2.26	38.79	74	35.21	Peak	Vertical
6	4924	24.30	-2.26	22.04	54	31.96	Average	Vertical
7	7386	42.11	1.72	43.83	74	30.17	Peak	Vertical
8	7386	26.28	1.72	28.00	54	26.00	Average	Vertical

MIMO_Chain 0+1_ IEEE 802.11n-HT40_ Channel 3:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4844	41.93	-2.32	39.61	74	34.39	Peak	Horizontal
2	4844	24.76	-2.32	22.44	54	31.56	Average	Horizontal
3	7266	43.03	1.52	44.55	74	29.45	Peak	Horizontal
4	7266	27.22	1.52	28.74	54	25.26	Average	Horizontal
5	4844	42.68	-2.32	40.36	74	33.64	Peak	Vertical
6	4844	25.78	-2.32	23.46	54	30.54	Average	Vertical
7	7266	42.30	1.52	43.82	74	30.18	Peak	Vertical
8	7266	26.65	1.52	28.17	54	25.83	Average	Vertical

MIMO_Chain 0+1_ IEEE 802.11n-HT40_ Channel 6:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4874	41.84	-2.29	39.55	74	34.45	Peak	Horizontal
2	4874	24.85	-2.29	22.56	54	31.44	Average	Horizontal
3	7311	43.47	1.60	45.07	74	28.93	Peak	Horizontal
4	7311	27.56	1.60	29.16	54	24.84	Average	Horizontal
5	4874	41.37	-2.29	39.08	74	34.92	Peak	Vertical
6	4874	24.68	-2.29	22.39	54	31.61	Average	Vertical
7	7311	42.98	1.60	44.58	74	29.42	Peak	Vertical
8	7311	27.21	1.60	28.81	54	25.19	Average	Vertical

MIMO_Chain 0+1_ IEEE 802.11n-HT40_ Channel 9:

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	4904	41.26	-2.28	38.98	74	35.02	Peak	Horizontal
2	4904	24.52	-2.28	22.24	54	31.76	Average	Horizontal
3	7356	42.64	1.67	44.31	74	29.69	Peak	Horizontal
4	7356	27.02	1.67	28.69	54	25.31	Average	Horizontal
5	4904	40.76	-2.28	38.48	74	35.52	Peak	Vertical
6	4904	24.17	-2.28	21.89	54	32.11	Average	Vertical
7	7356	41.00	1.67	42.67	74	31.33	Peak	Vertical
8	7356	25.34	1.67	27.01	54	26.99	Average	Vertical

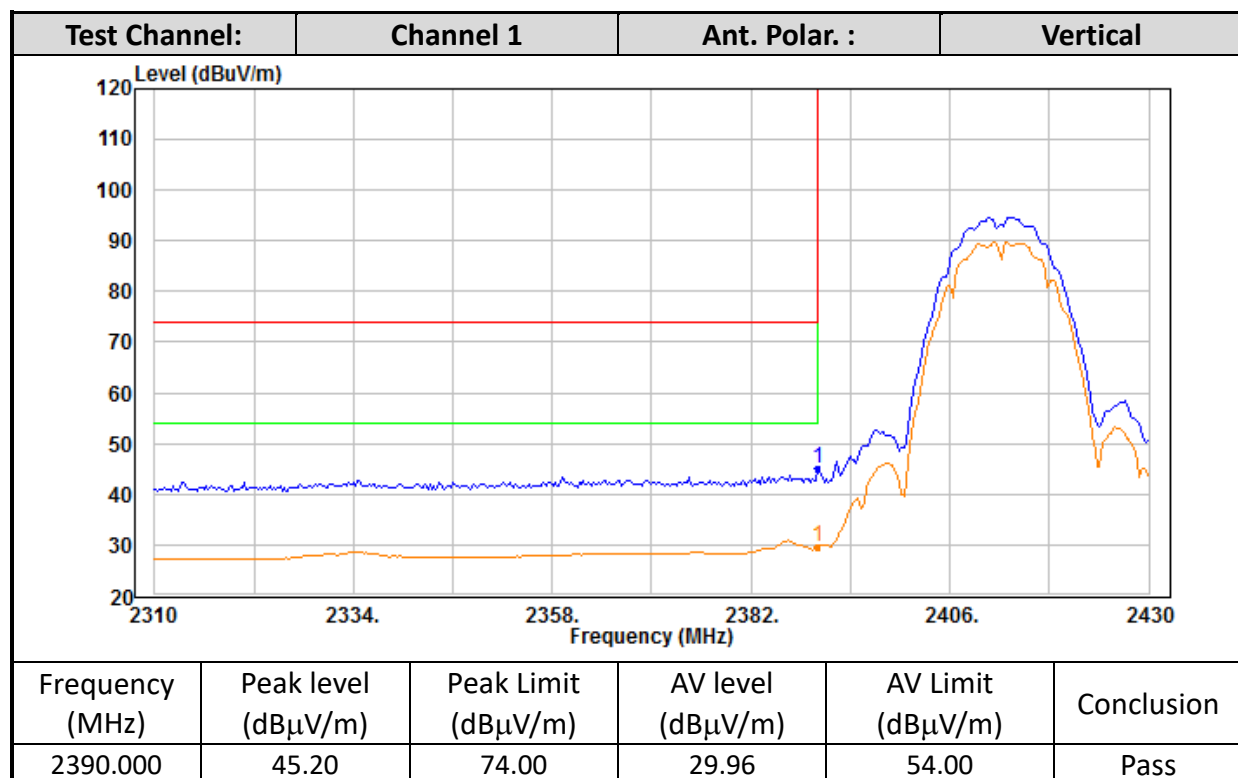
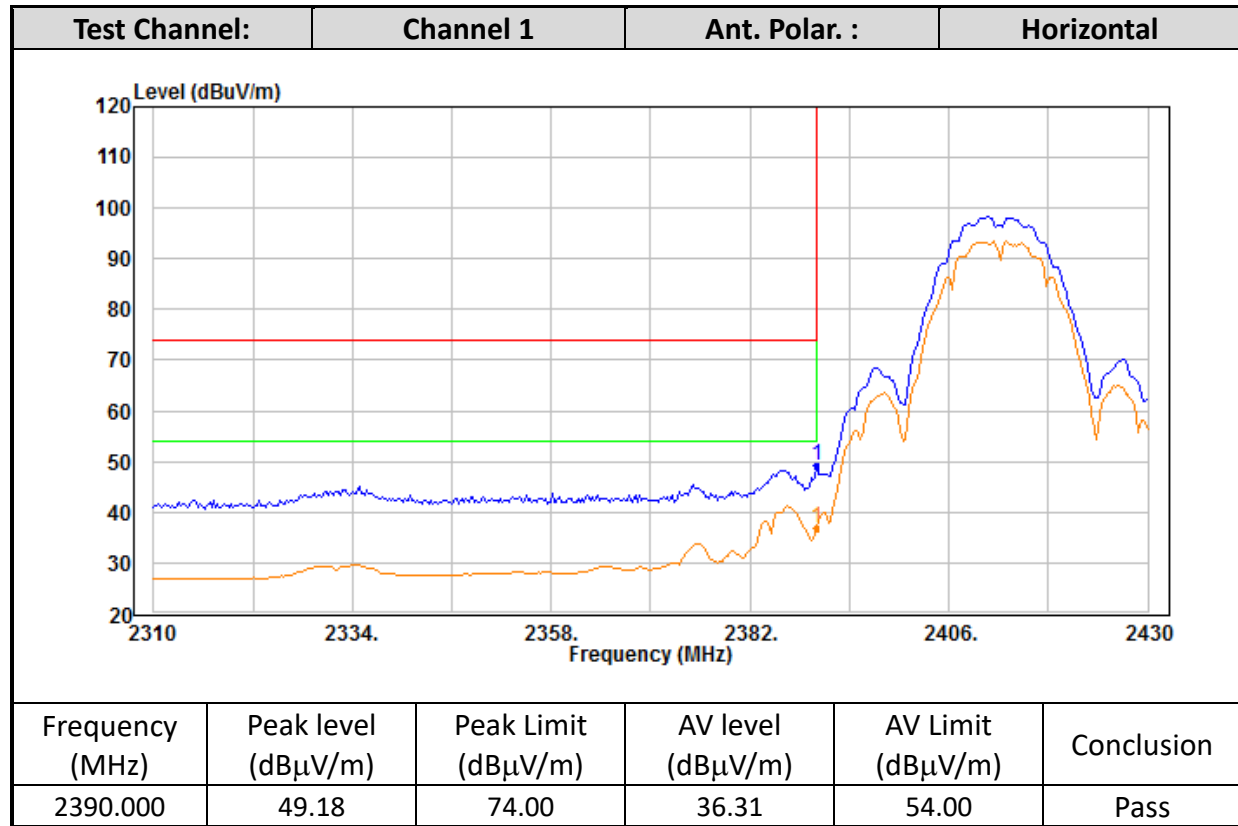
Remark:

1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Result – Limit

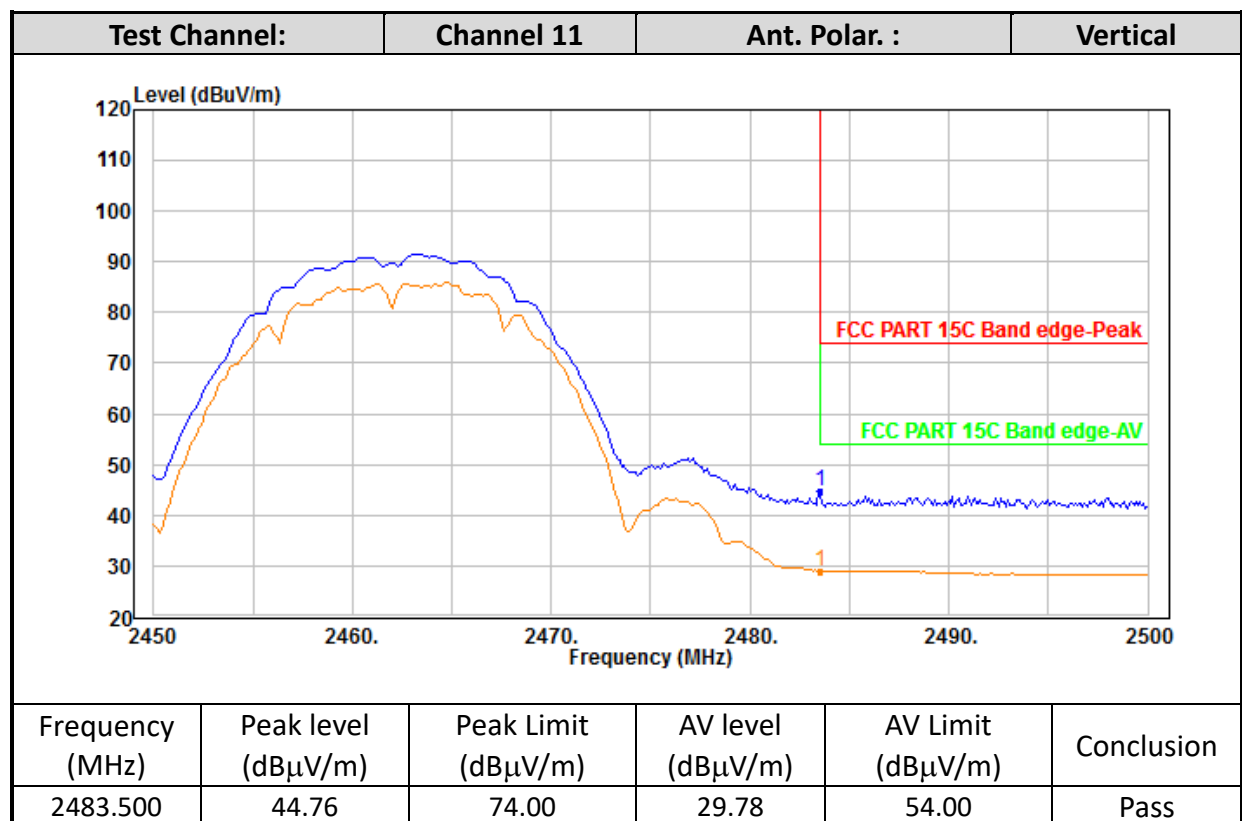
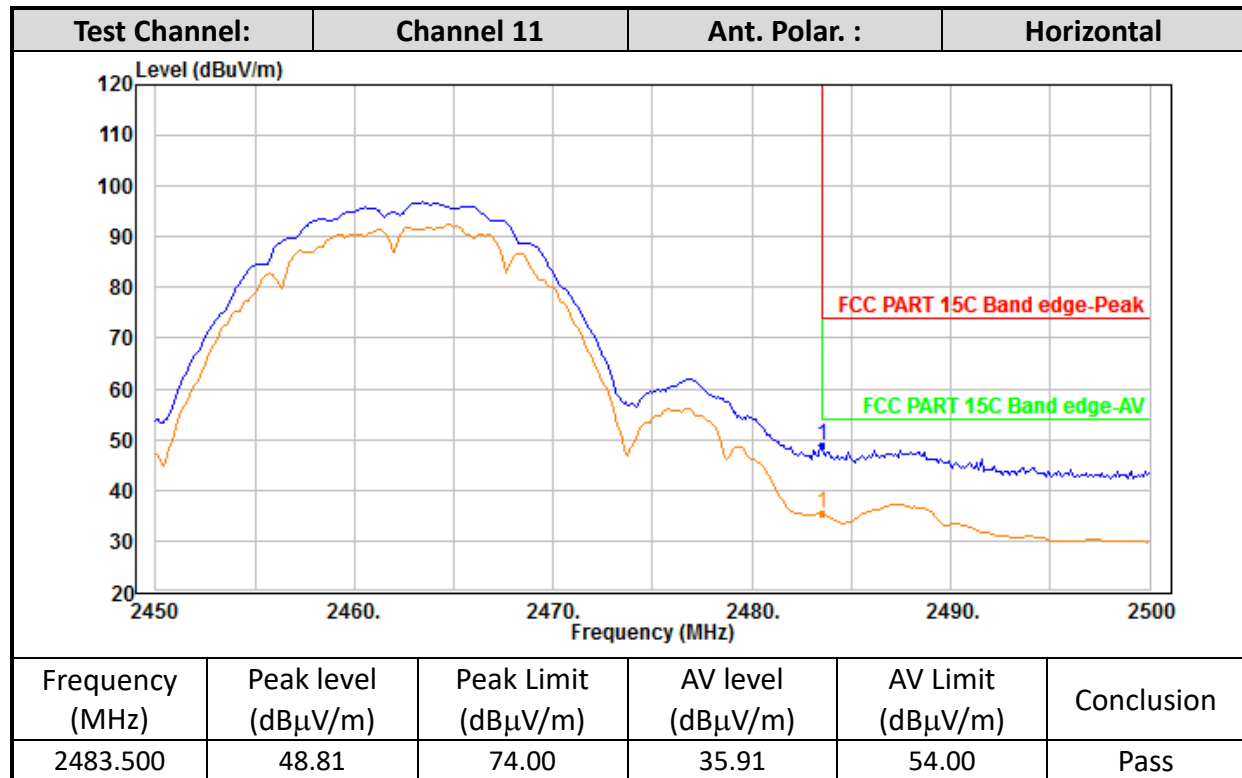
TEST REPORT

Band Edge Measurements (Radiated)

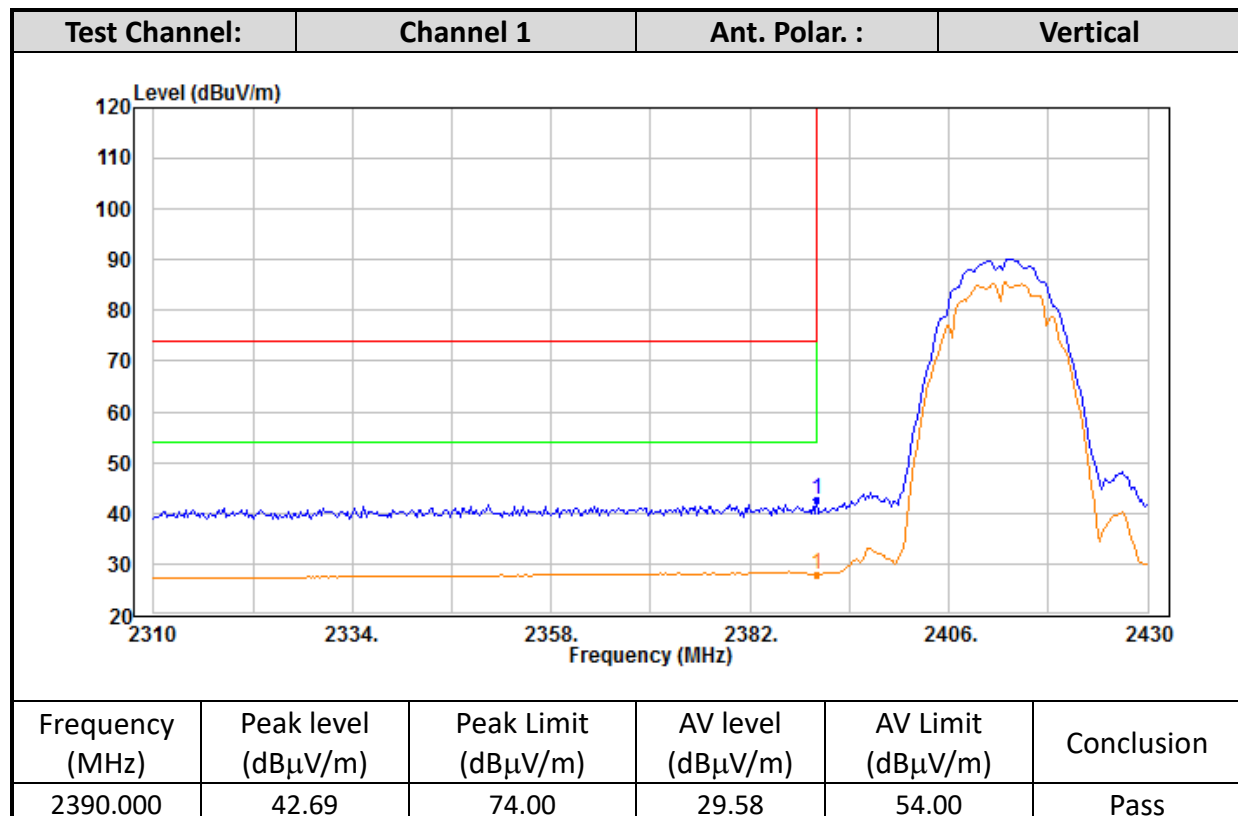
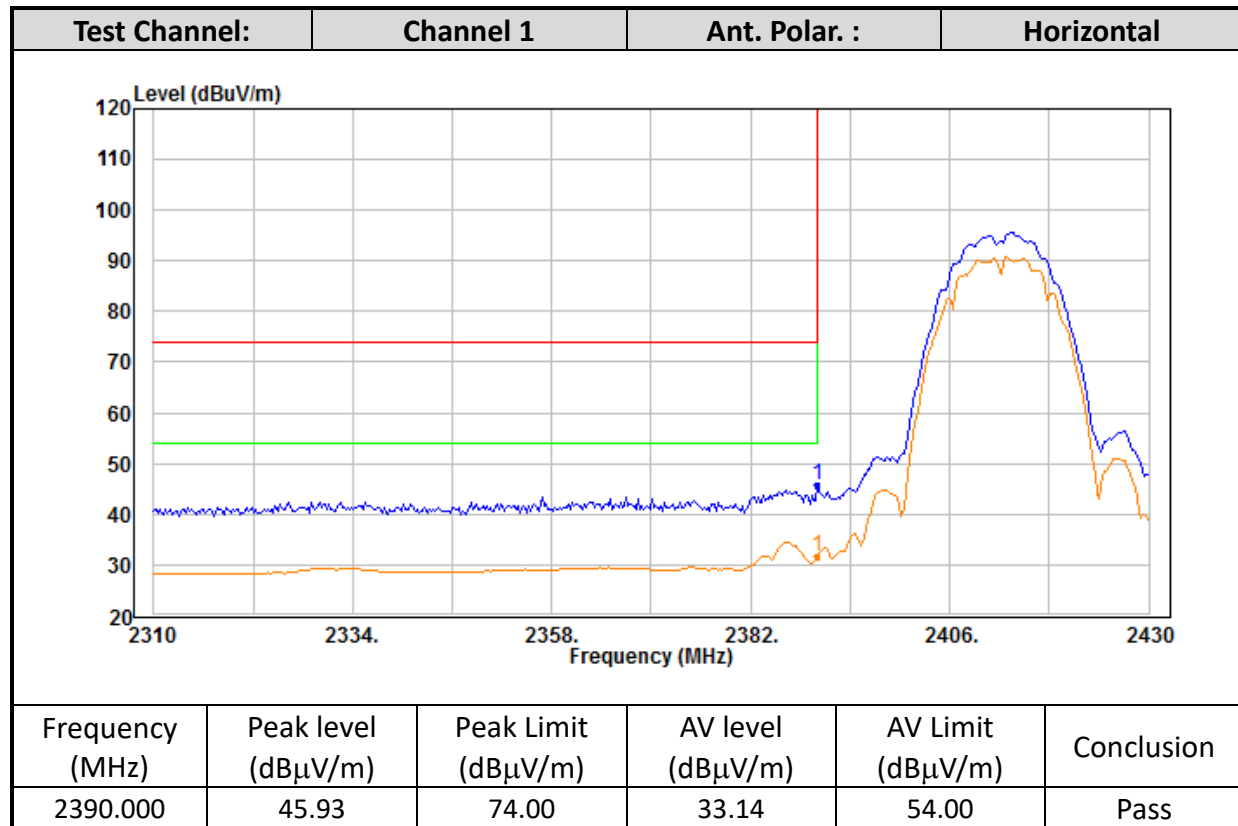
SISO_Chain 0_IEEE 802.11b

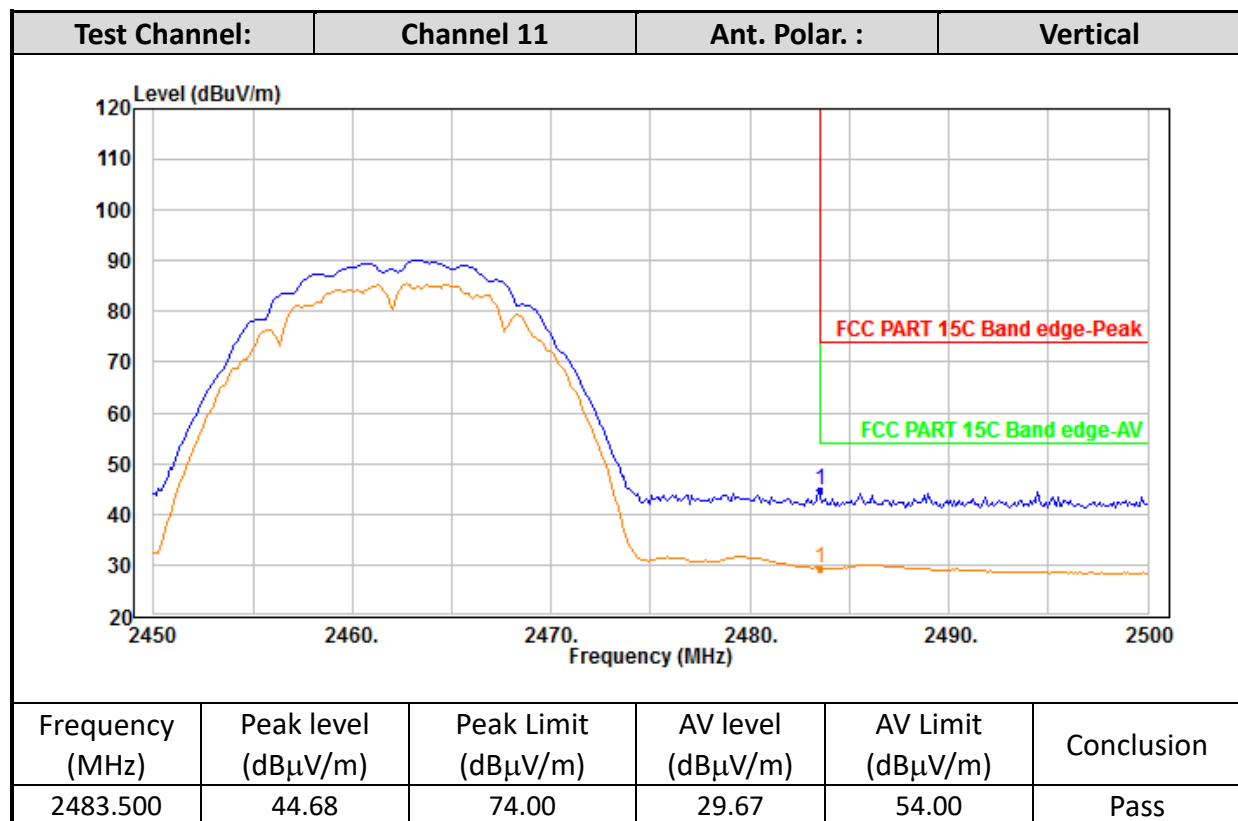
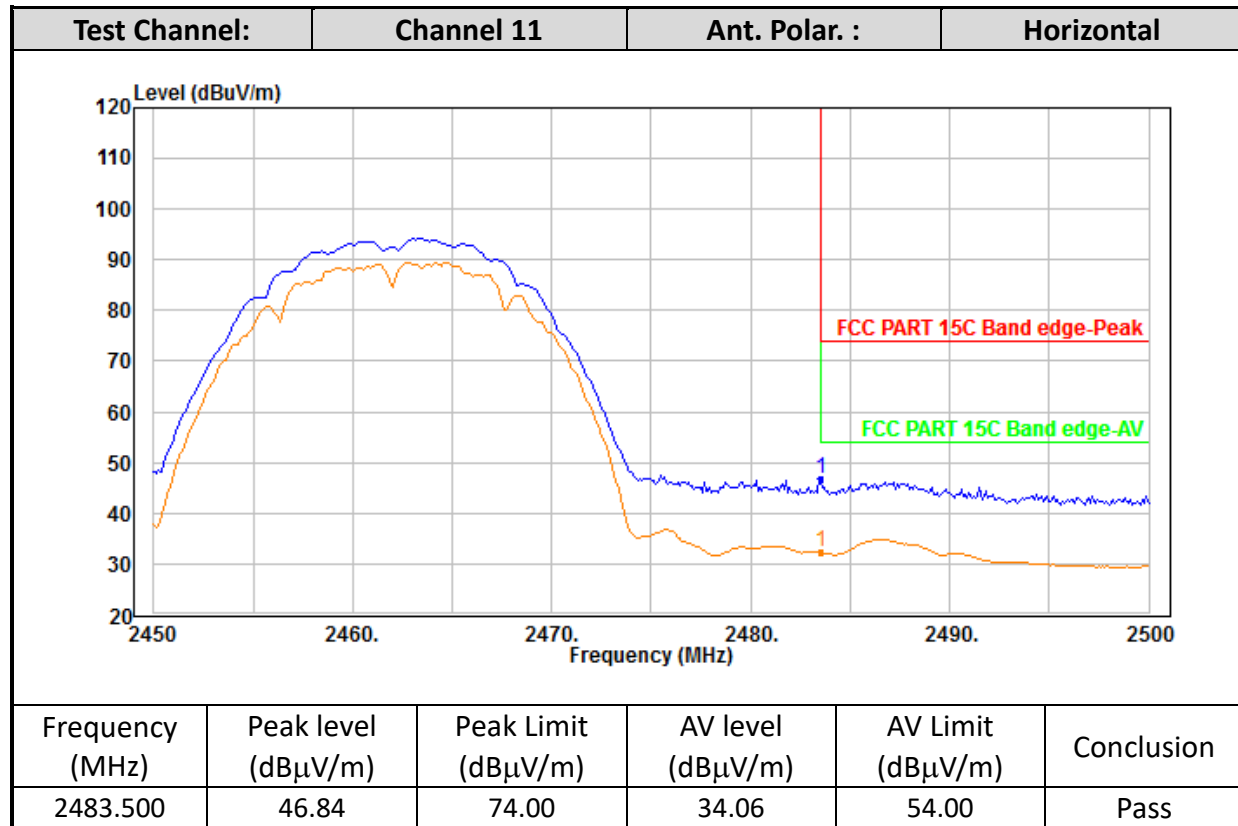


TEST REPORT

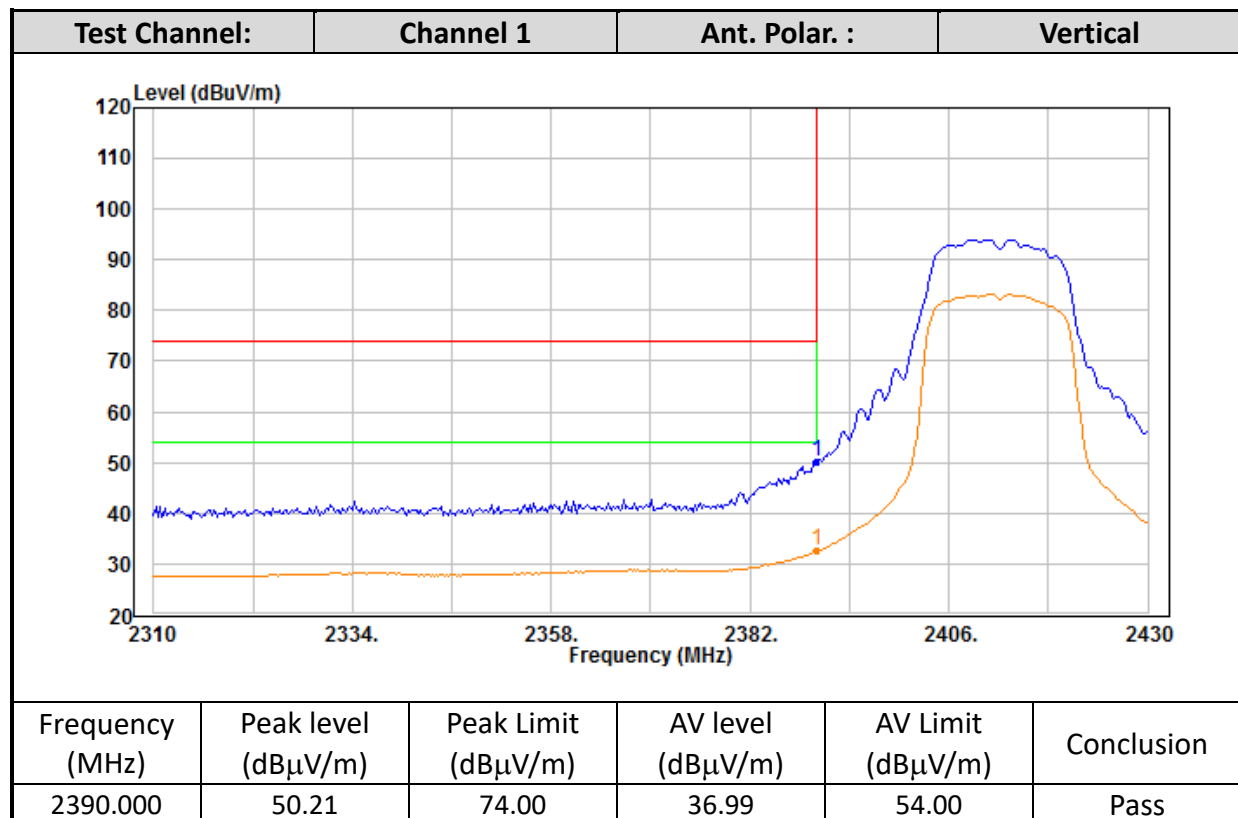
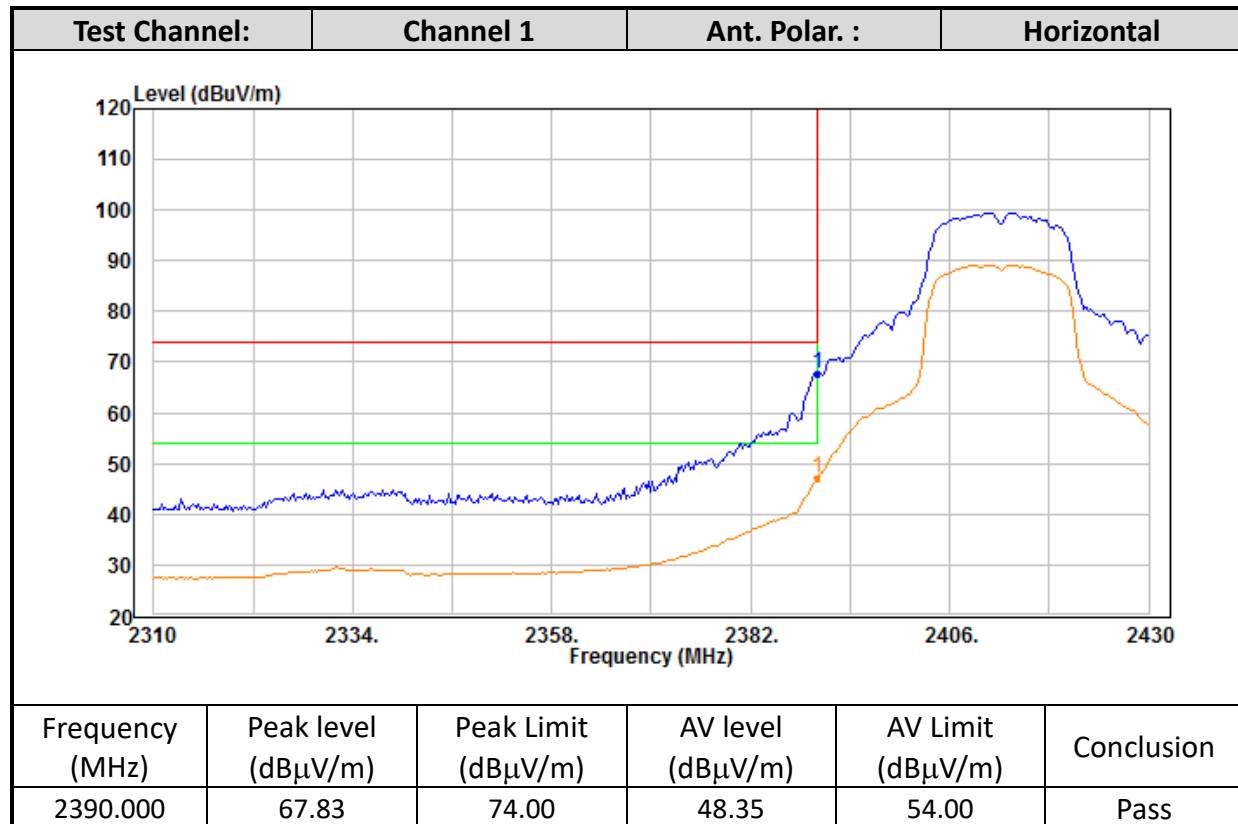


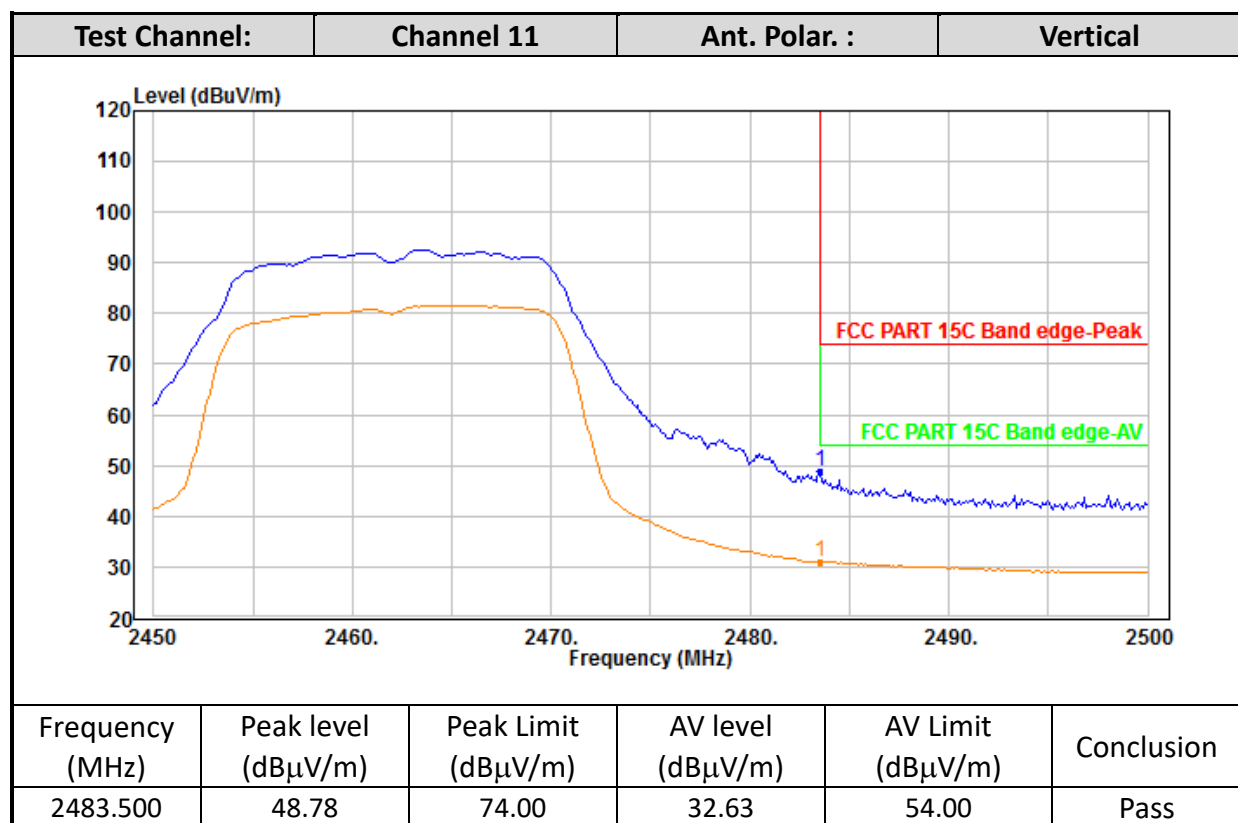
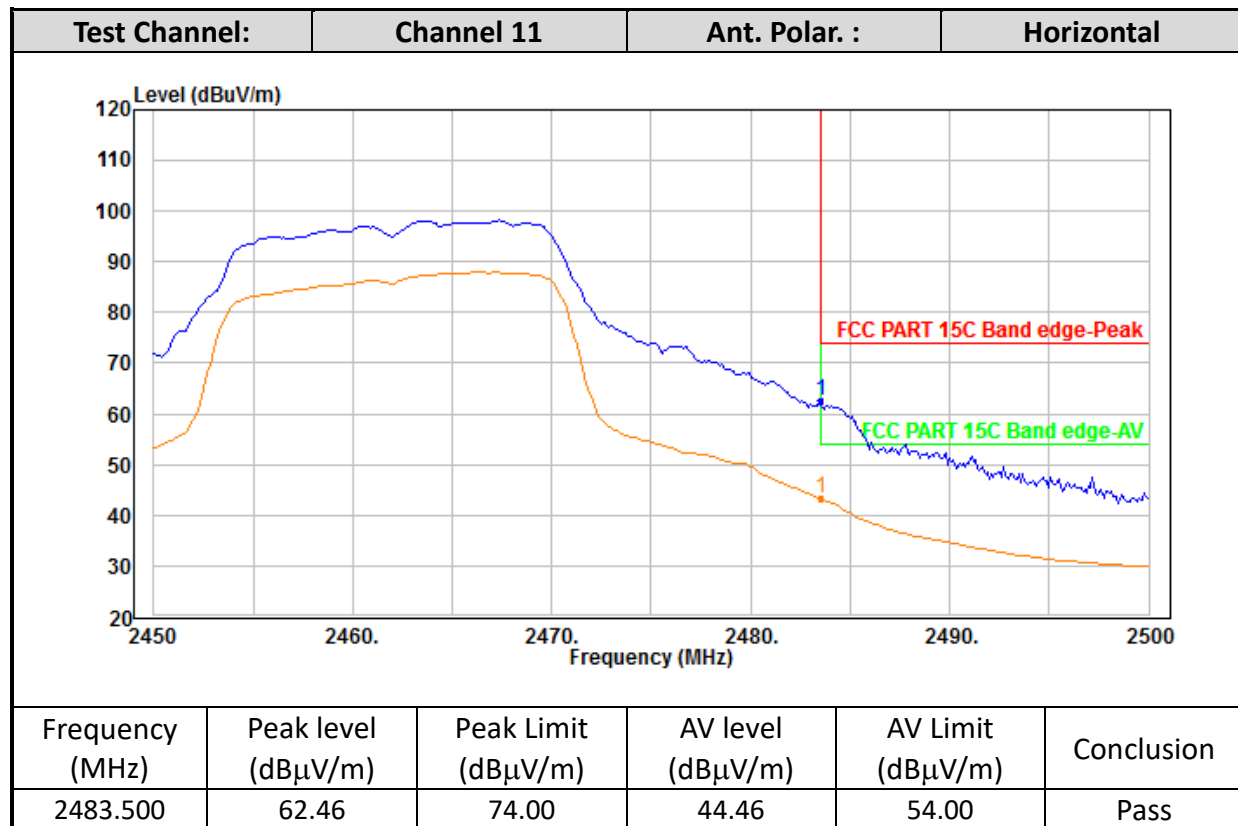
SISO_Chain 1_ IEEE 802.11b





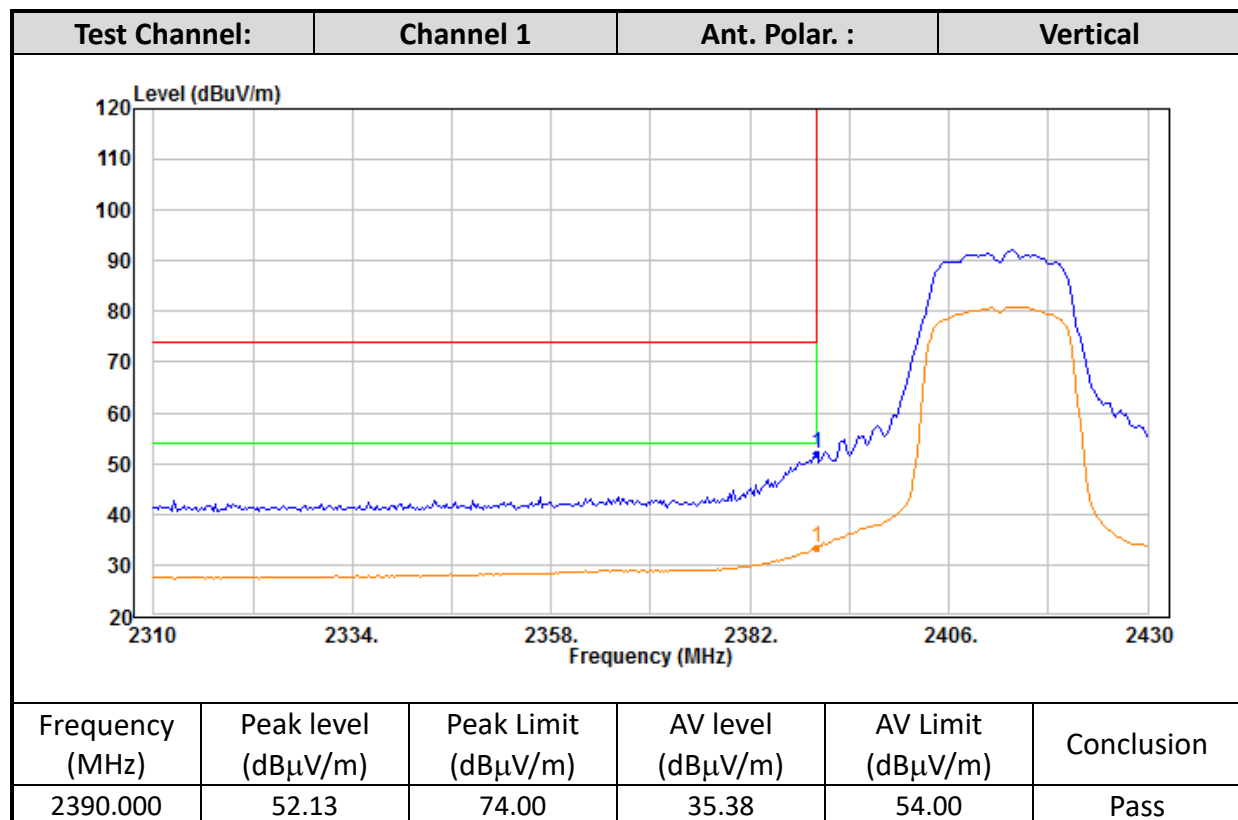
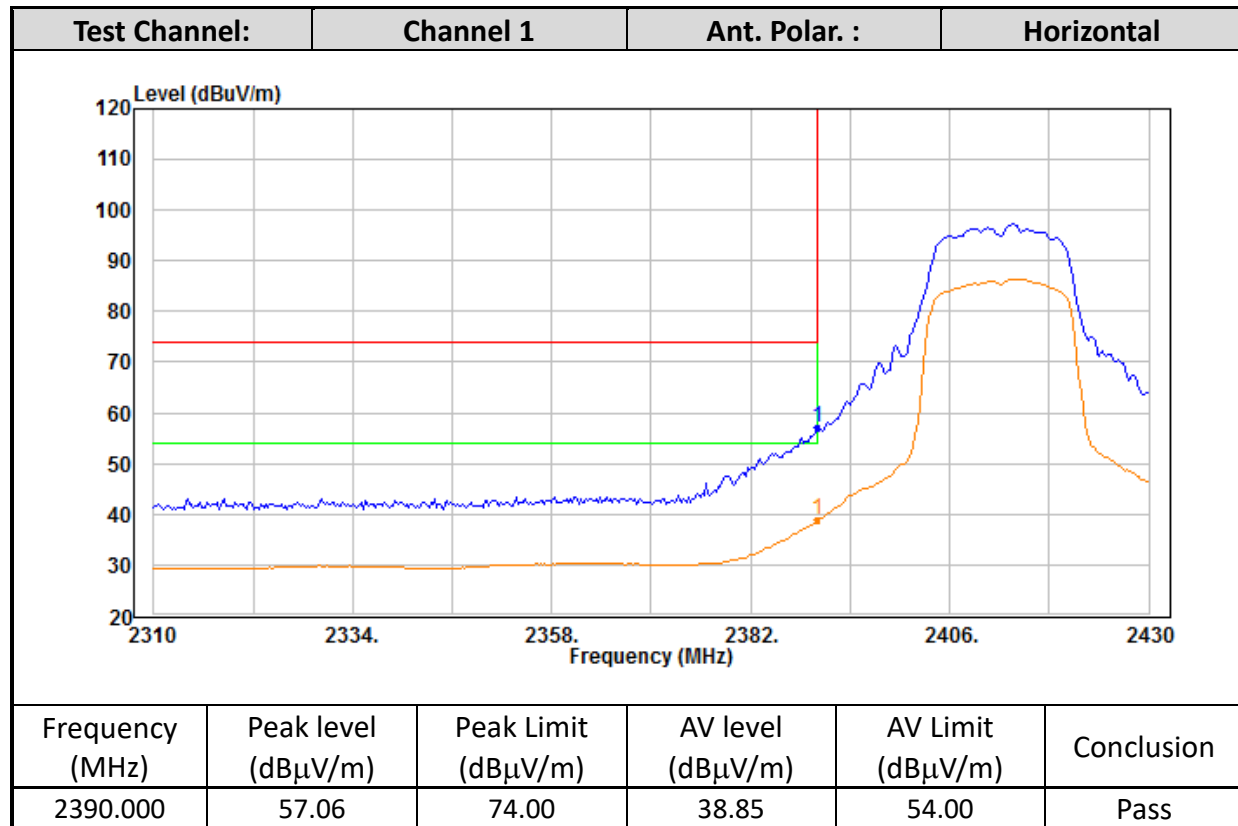
SISO_Chain 0_ IEEE 802.11g



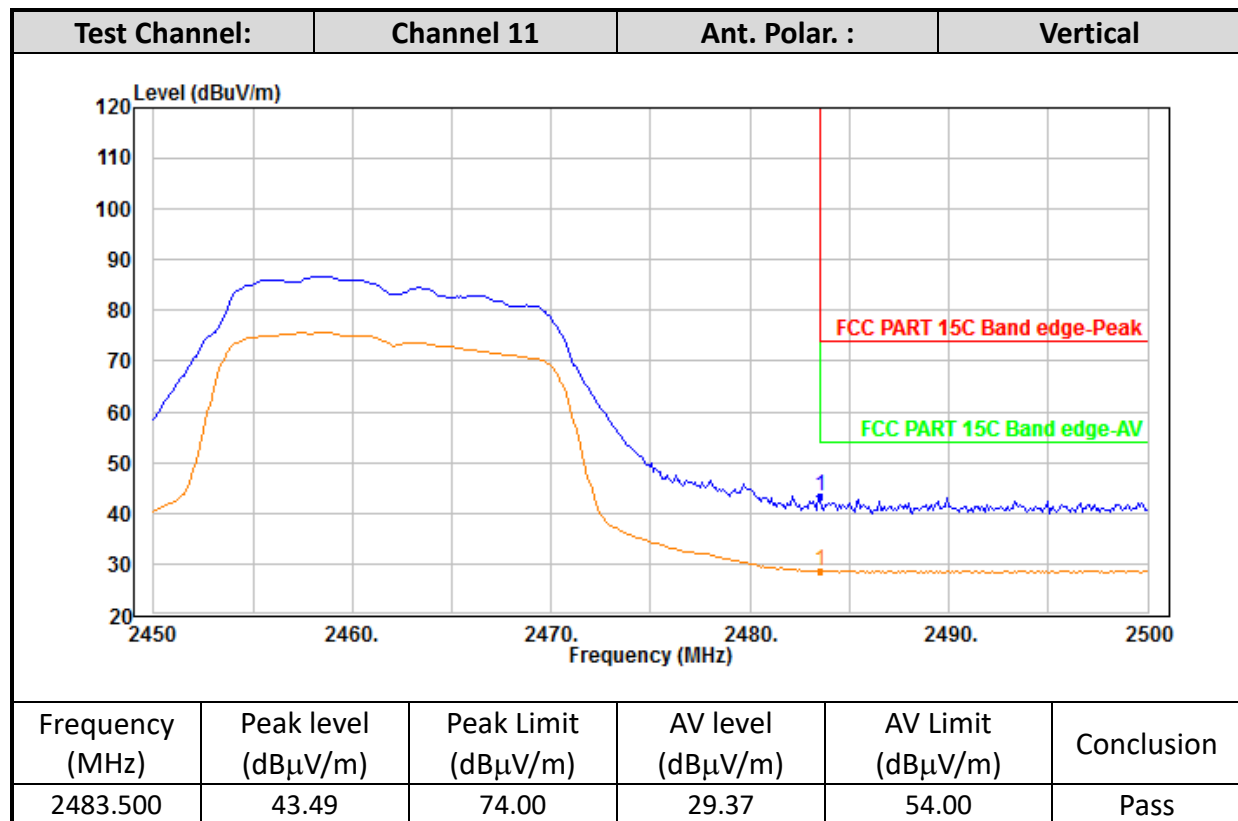
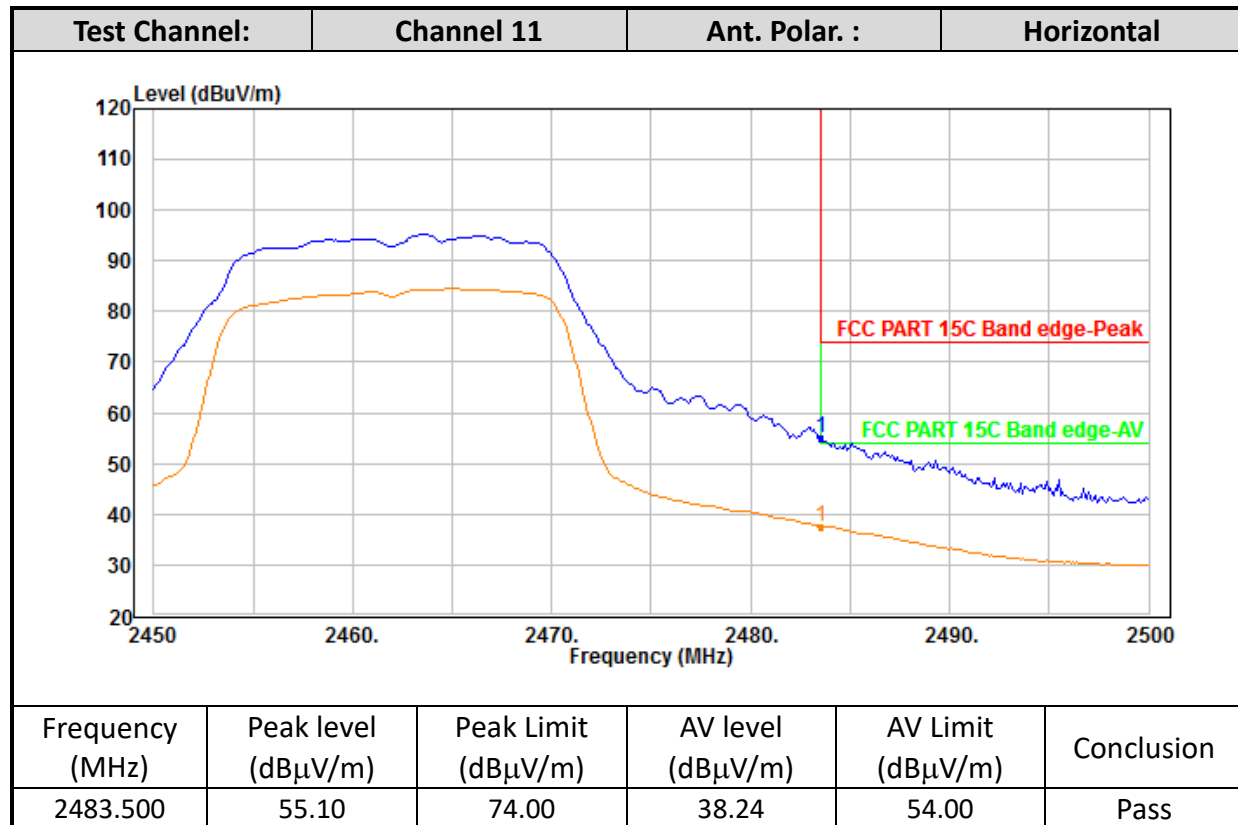


TEST REPORT

SISO_Chain 1_IIEEE 802.11g

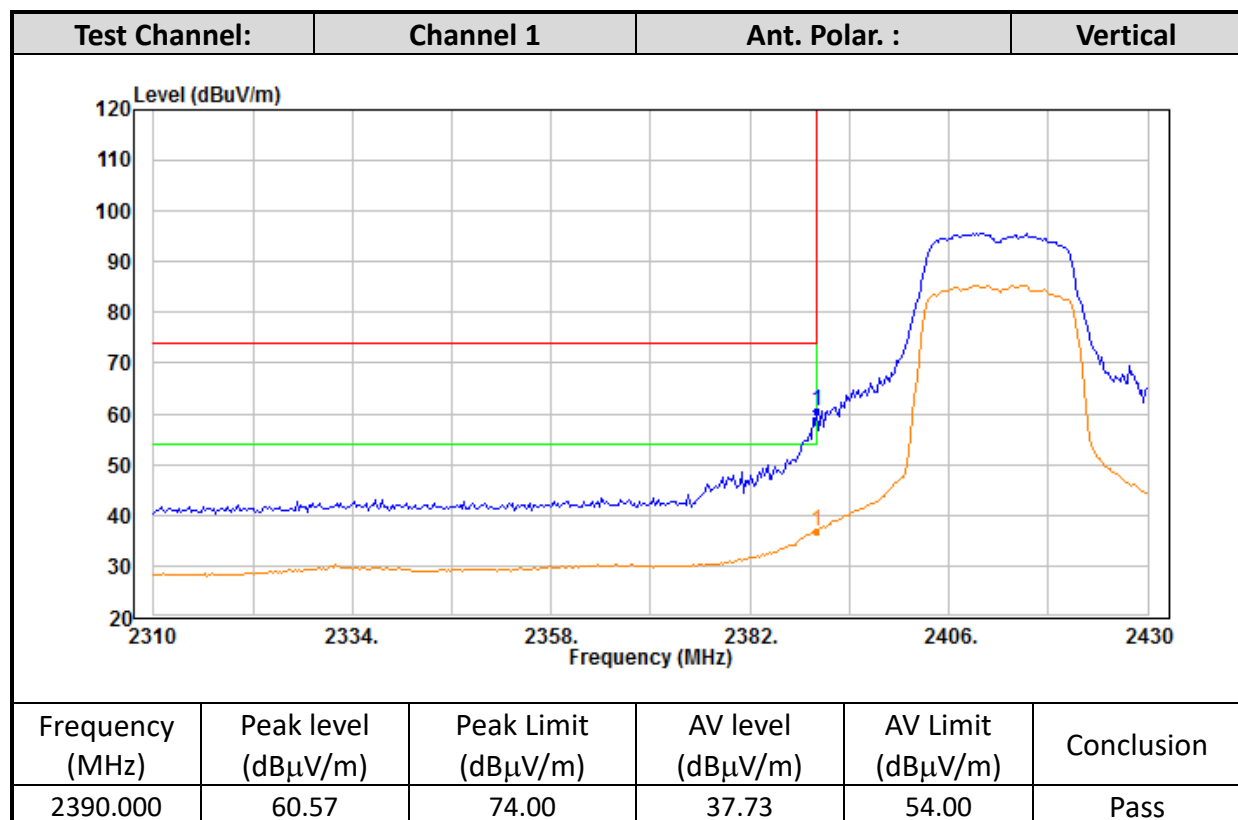
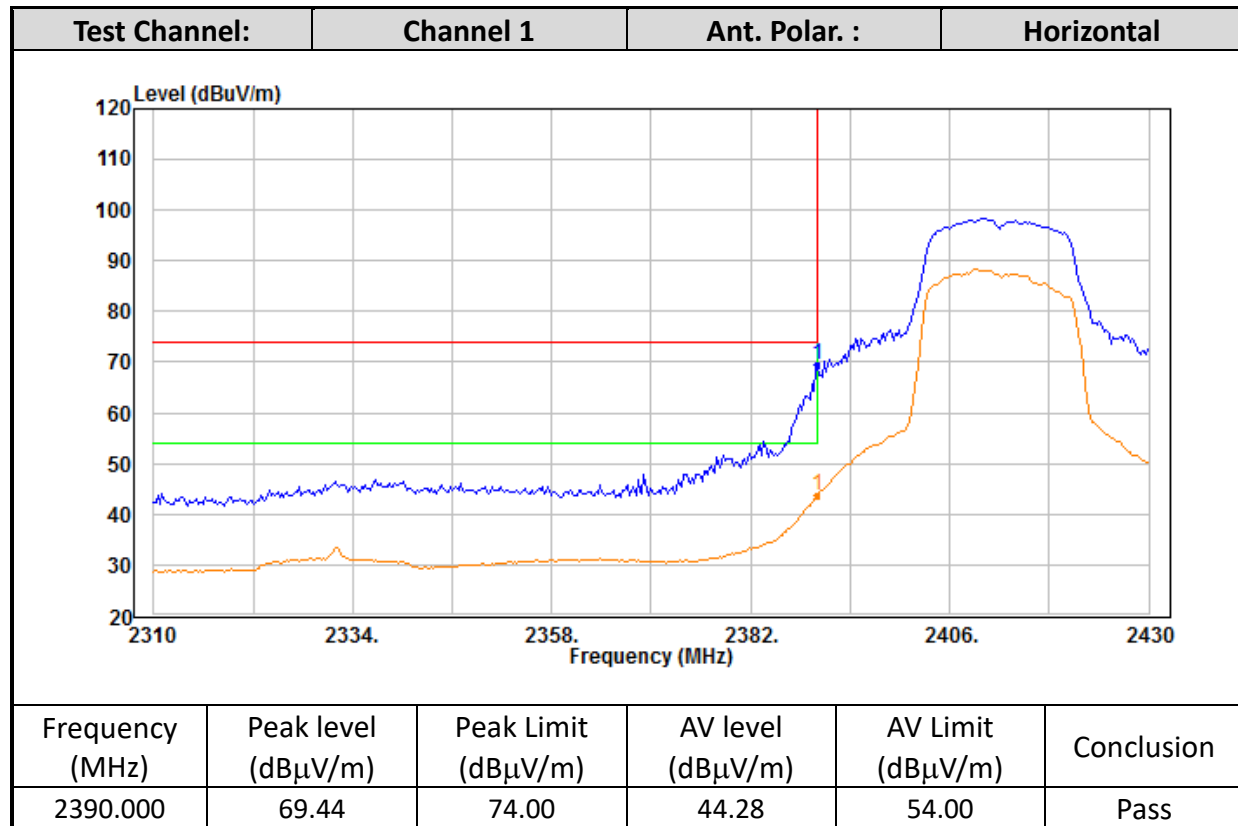


TEST REPORT

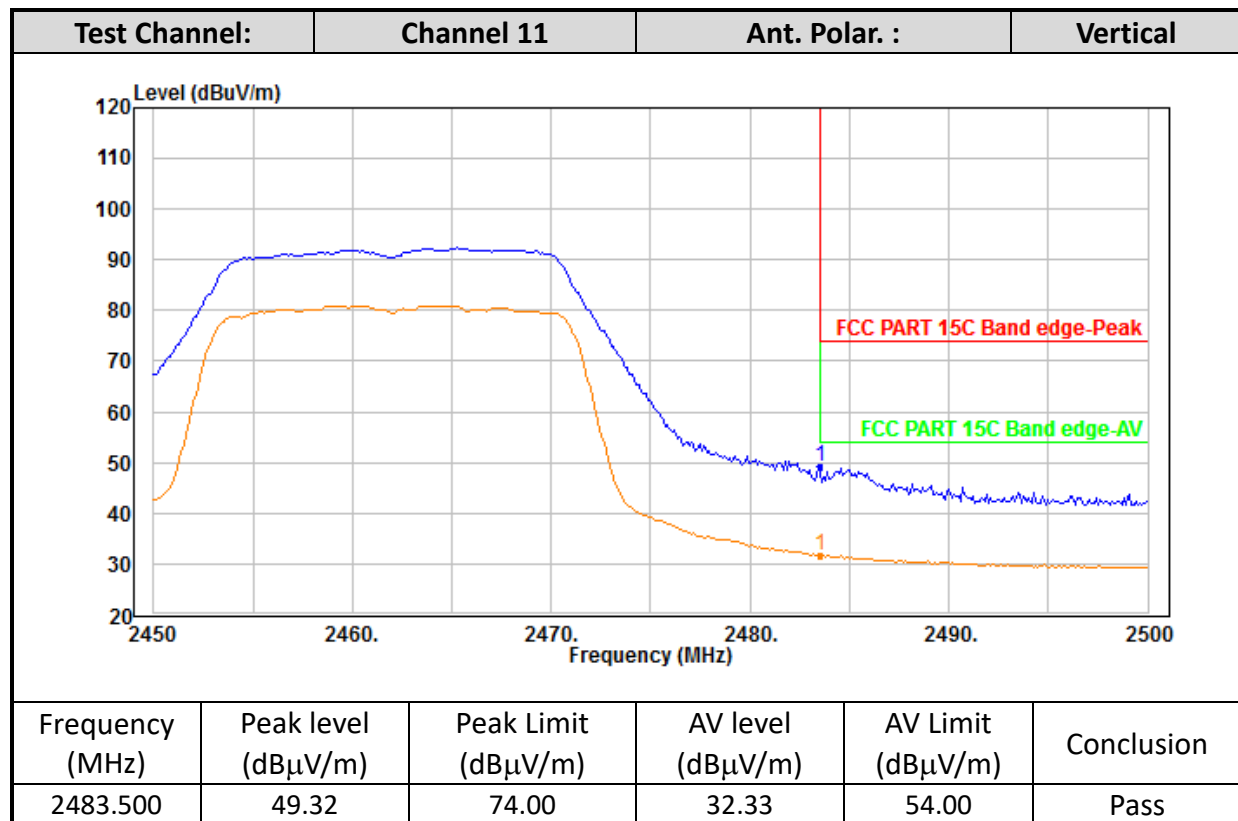
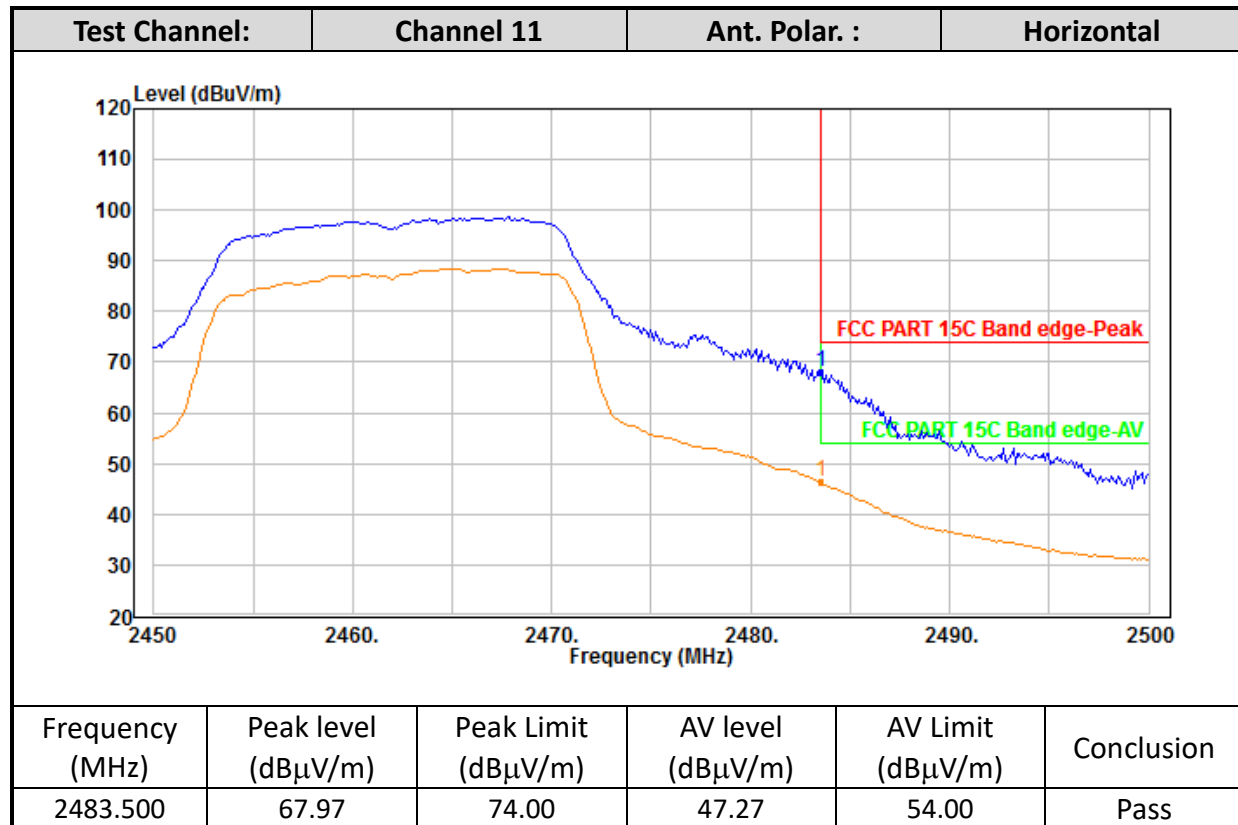


TEST REPORT

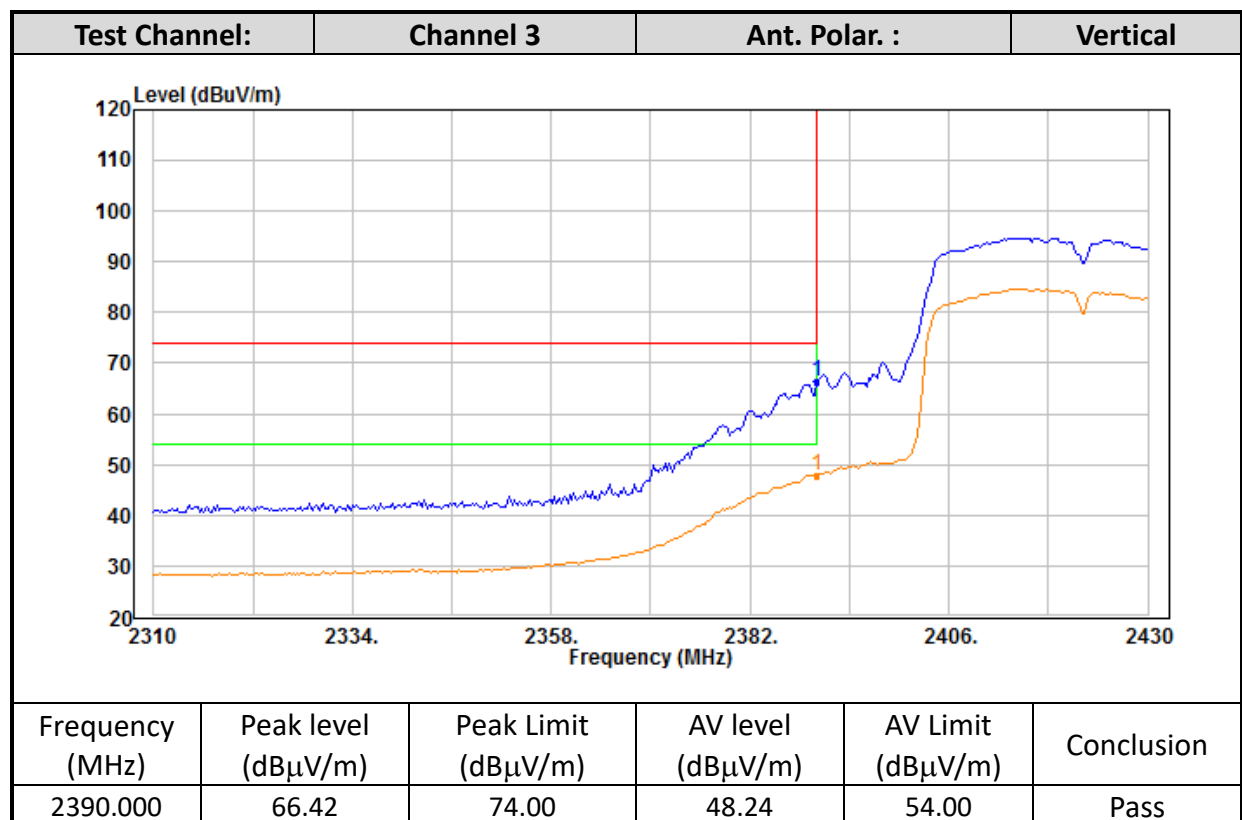
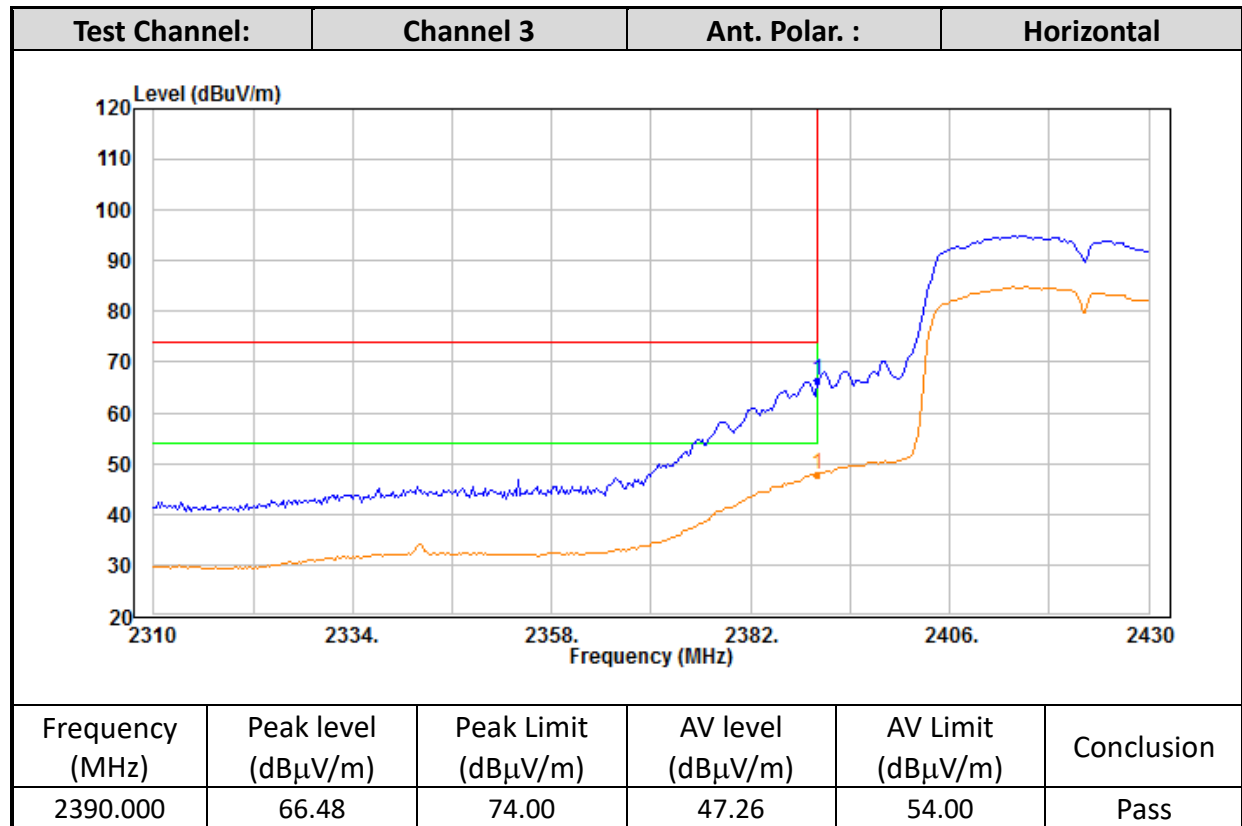
MIMO_Chain 0+1_ IEEE 802.11n-HT20



TEST REPORT



MIMO_Chain 0+1_ IEEE 802.11n-HT40



TEST REPORT

