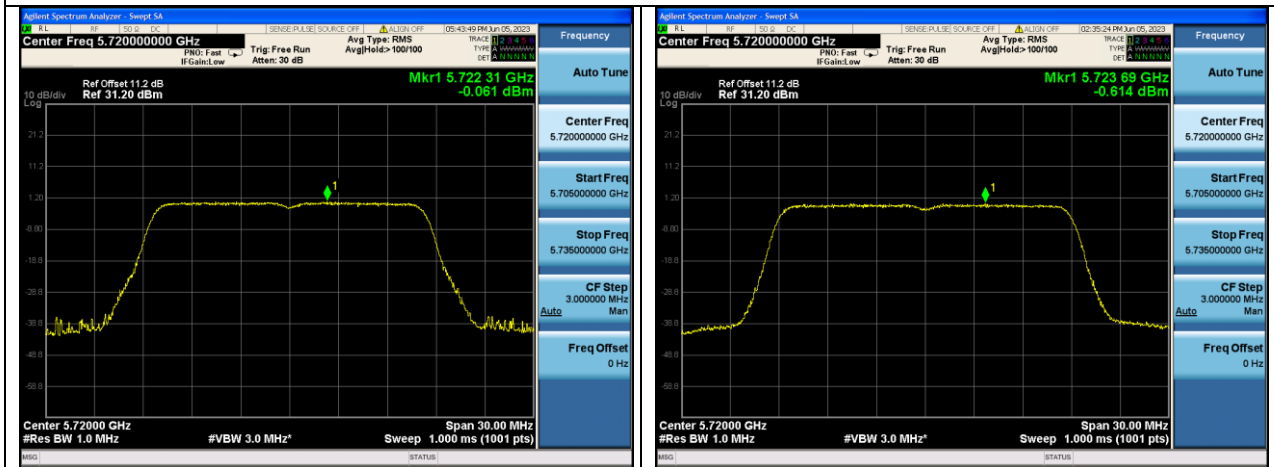


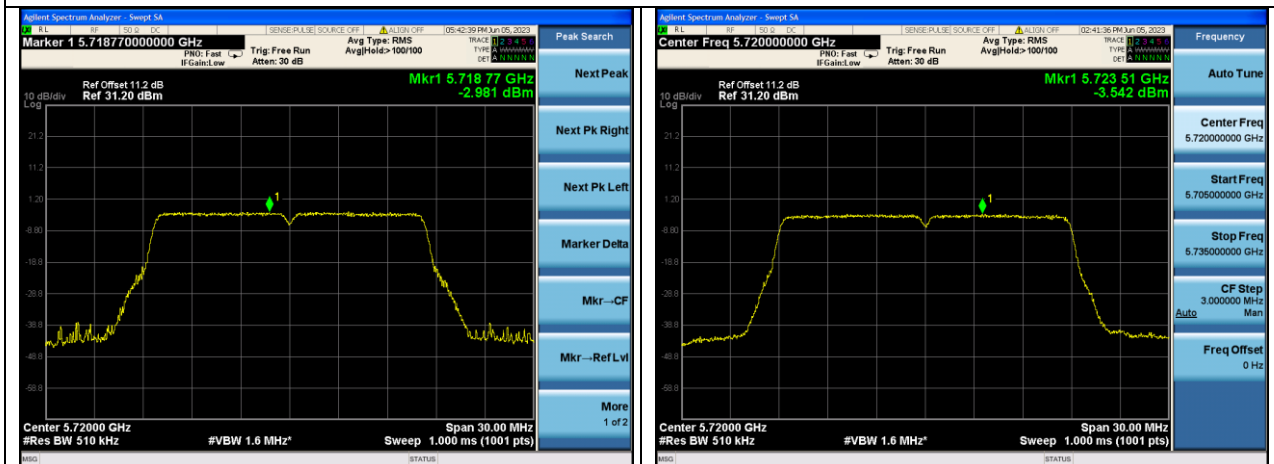
Channel 144-1



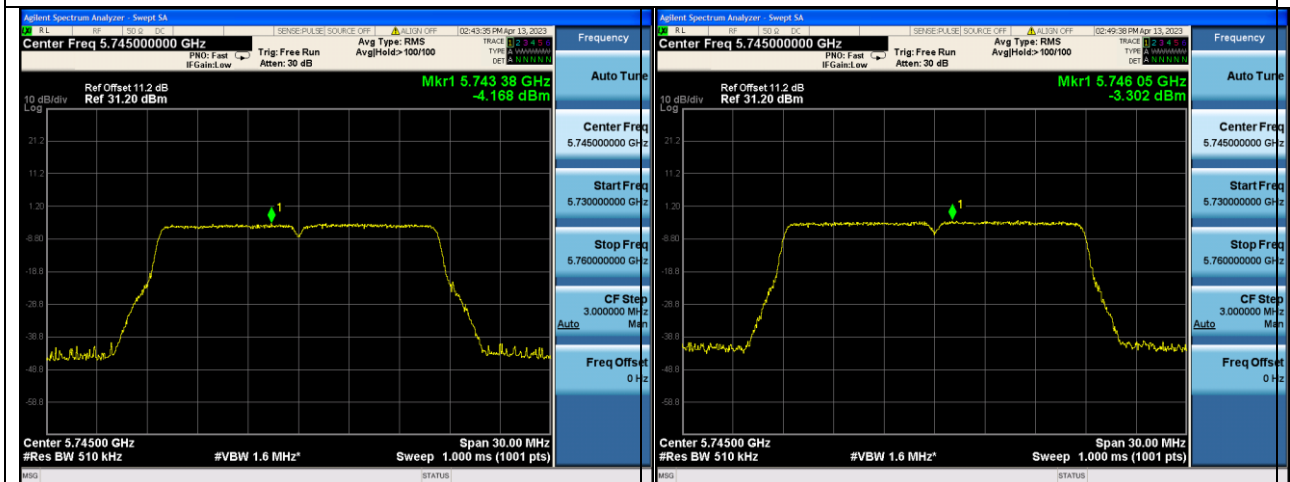
IEEE 802.11a

IEEE 802.11n-HT20

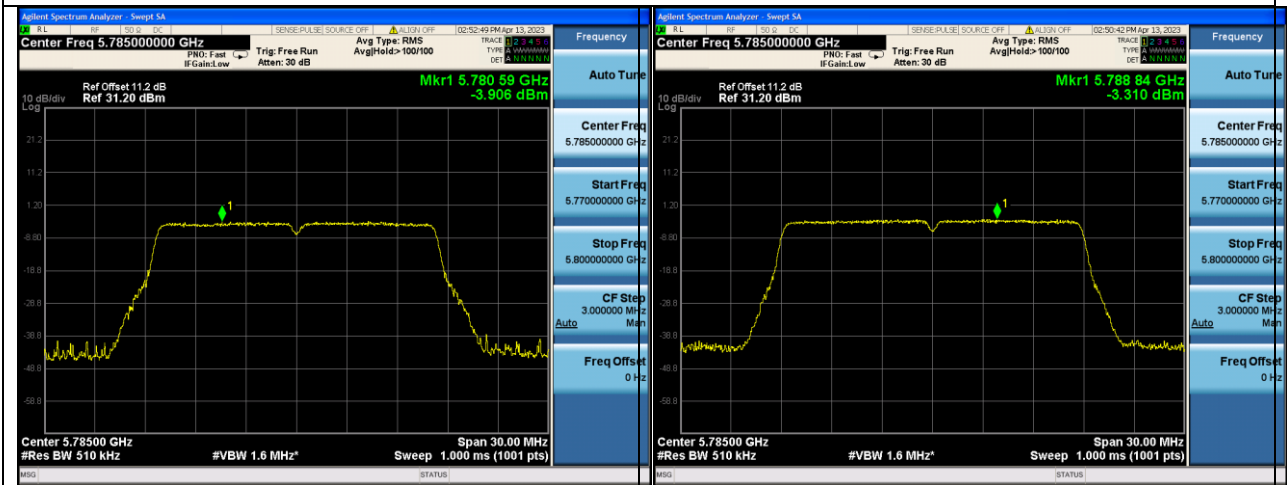
Channel 144-2



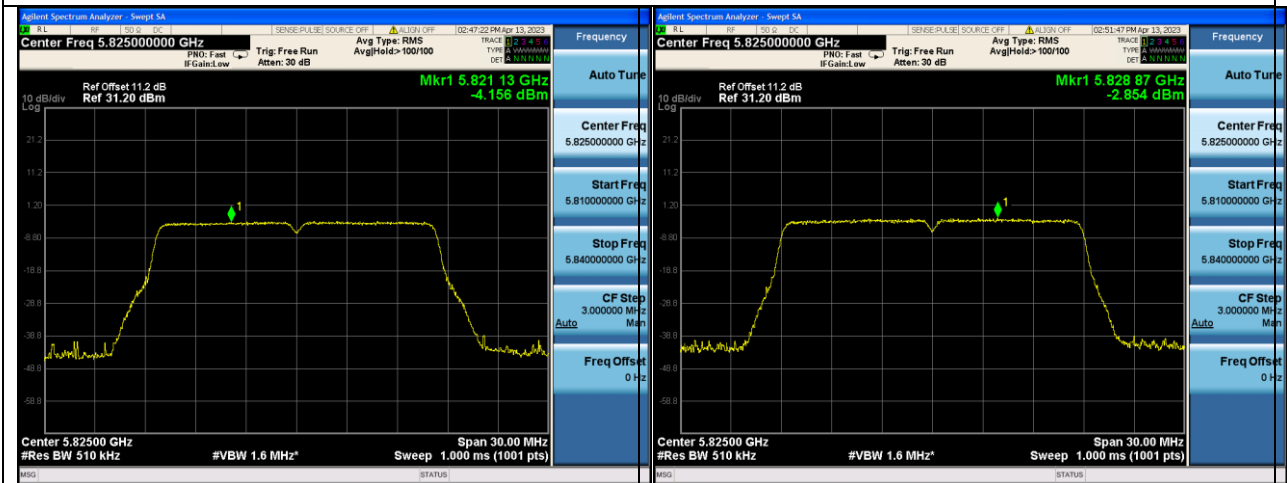
Channel 149



Channel 157

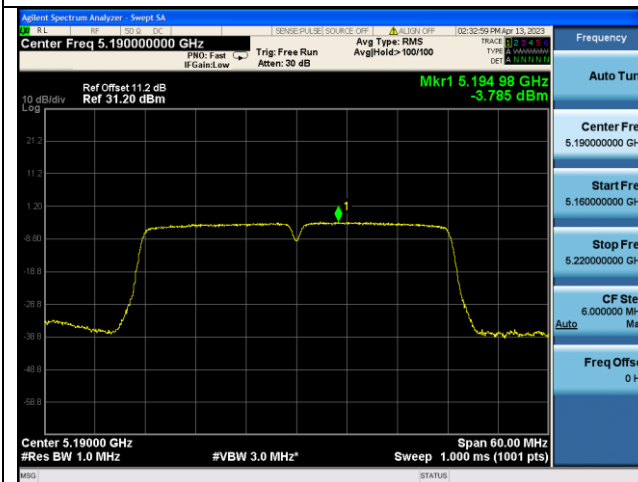


Channel 165

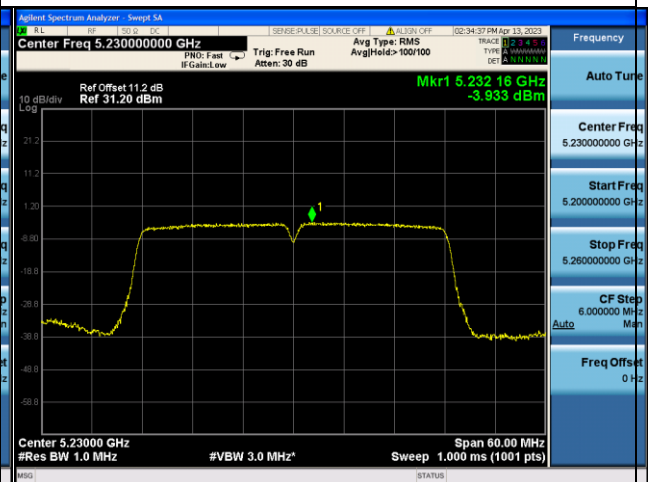


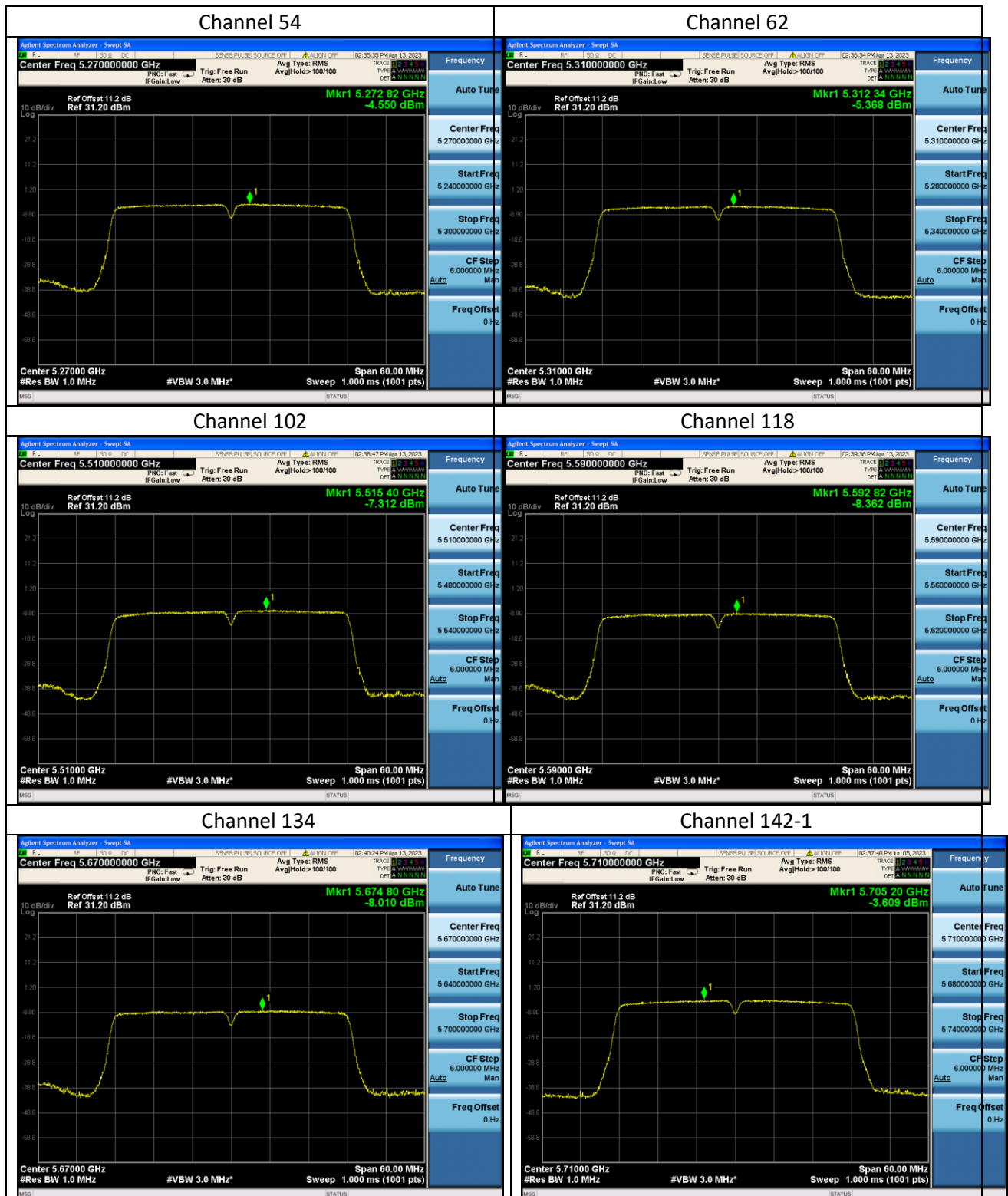
IEEE 802.11n-HT40

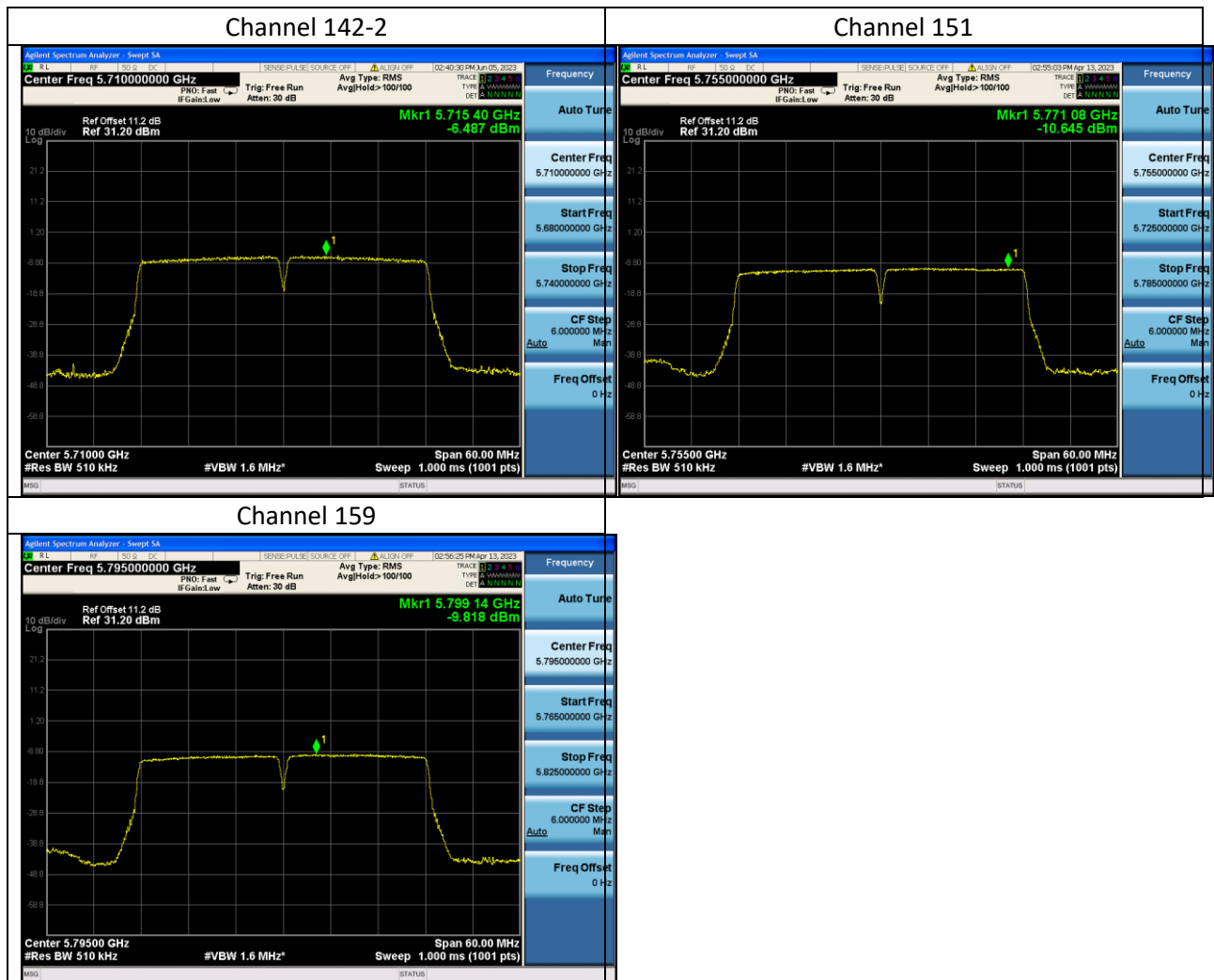
Channel 38



Channel 46







Appendix E

Test Results of Radiated Emissions

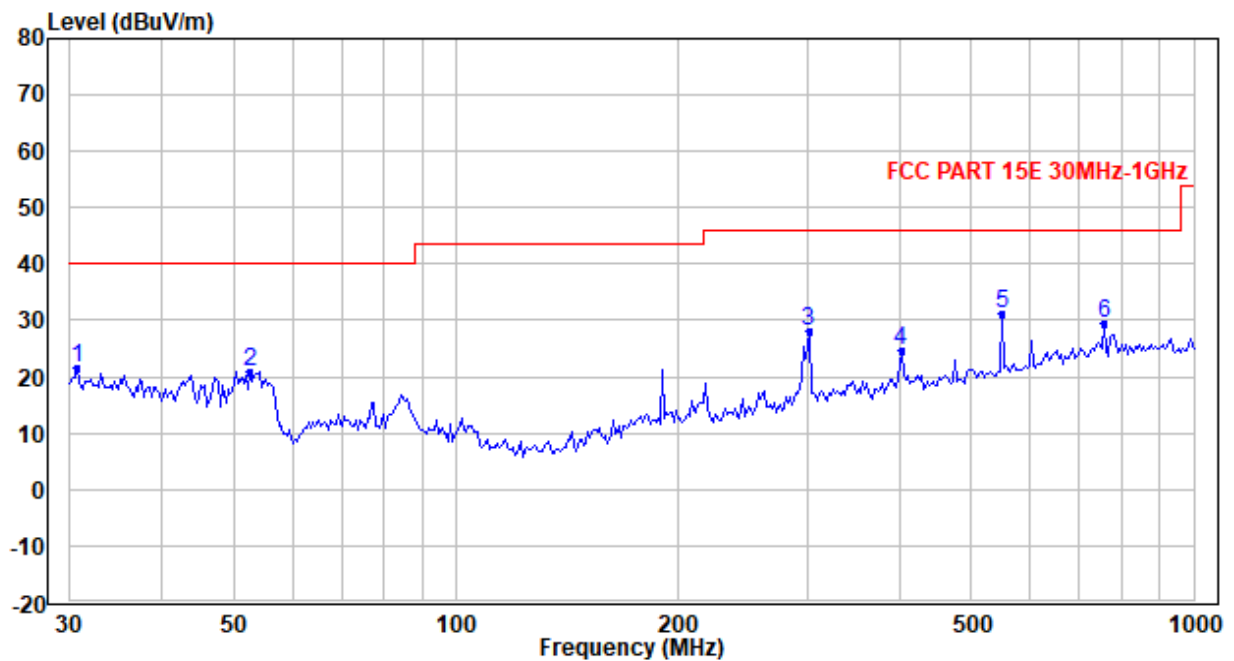
Radiated Emission Test Data (9 KHz ~ 30 MHz):

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

Radiated Emission Test Data (30 MHz ~ 1 GHz):

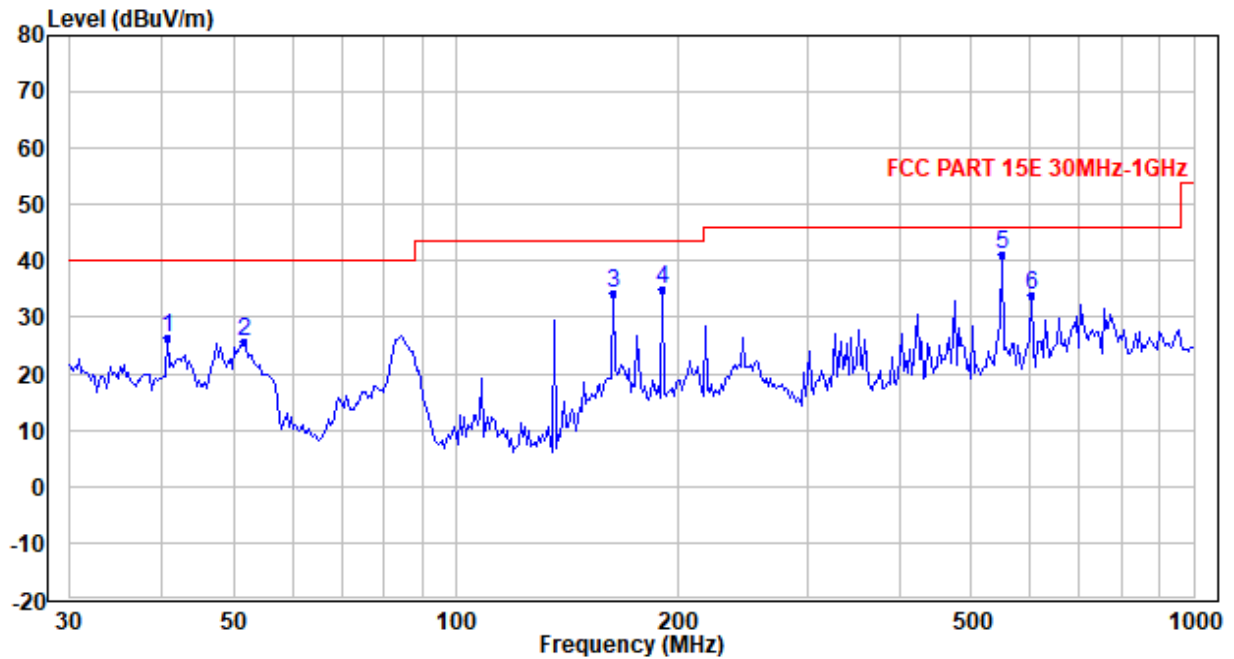
Worst-Case Configuration

Horizontal



No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	30.639	26.41	-4.90	21.51	40.00	-18.49	QP
2	52.634	37.02	-15.97	21.05	40.00	-18.95	QP
3	300.699	34.42	-6.41	28.01	46.00	-17.99	QP
4	401.105	28.23	-3.61	24.62	46.00	-21.38	QP
5	550.290	32.29	-1.00	31.29	46.00	-14.71	QP
6	754.963	26.88	2.48	29.36	46.00	-16.64	QP

Vertical



No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector
1	40.584	34.73	-8.29	26.44	40.00	-13.56	QP
2	51.536	41.00	-15.30	25.70	40.00	-14.30	QP
3	163.162	47.20	-12.92	34.28	43.50	-9.22	QP
4	190.441	45.26	-10.33	34.93	43.50	-8.57	QP
5	550.290	42.03	-1.00	41.03	46.00	-4.97	QP
6	602.929	33.39	0.45	33.84	46.00	-12.16	QP

TEST REPORT

Radiated Emission Test Data (Above 1GHz):

IEEE 802.11a_Channel 36

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10360	34.0	7.2	41.1	68.2	-27.1	Peak	Horizontal
2	10360	21.9	7.2	29.0	54	-25.0	Average	Horizontal
3	15540	30.3	12.2	42.6	74	-31.4	Peak	Horizontal
4	15540	17.4	12.2	29.7	54	-24.3	Average	Horizontal
5	10360	36.7	7.2	43.9	68.2	-24.3	Peak	Vertical
6	10360	23.0	7.2	30.2	54	-23.8	Average	Vertical
7	15540	30.8	12.2	43.0	74	-31.0	Peak	Vertical
8	15540	17.7	12.2	29.9	54	-24.1	Average	Vertical

IEEE 802.11a_Channel 44

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10440	34.3	7.3	41.6	68.2	-26.6	Peak	Horizontal
2	10440	20.8	7.3	28.1	54	-25.9	Average	Horizontal
3	15660	31.2	12.3	43.5	74	-30.5	Peak	Horizontal
4	15660	18.3	12.3	30.6	54	-23.4	Average	Horizontal
5	10440	34.8	7.3	42.1	68.2	-26.1	Peak	Vertical
6	10440	21.4	7.3	28.7	54	-25.3	Average	Vertical
7	15660	31.3	12.3	43.6	74	-30.4	Peak	Vertical
8	15660	18.4	12.3	30.7	54	-23.3	Average	Vertical

IEEE 802.11a_Channel 48

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10480	31.1	7.3	38.4	68.2	-29.8	Peak	Horizontal
2	10480	19.3	7.3	26.6	54	-27.4	Average	Horizontal
3	15720	32.1	12.3	44.4	74	-29.6	Peak	Horizontal
4	15720	18.8	12.3	31.1	54	-22.9	Average	Horizontal
5	10480	33.3	7.3	40.6	68.2	-27.6	Peak	Vertical
6	10480	19.0	7.3	26.3	54	-27.7	Average	Vertical
7	15720	31.9	12.3	44.2	74	-29.8	Peak	Vertical
8	15720	19.1	12.3	31.4	54	-22.6	Average	Vertical

TEST REPORT

IEEE 802.11a_Channel 52

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10520	32.3	7.4	39.7	68.2	-28.5	Peak	Horizontal
2	10520	18.9	7.4	26.3	54	-27.7	Average	Horizontal
3	15780	32.3	12.3	44.6	74	-29.4	Peak	Horizontal
4	15780	19.0	12.3	31.4	54	-22.6	Average	Horizontal
5	10520	32.3	7.4	39.7	68.2	-28.5	Peak	Vertical
6	10520	18.9	7.4	26.3	54	-27.7	Average	Vertical
7	15780	33.3	12.3	45.7	74	-28.3	Peak	Vertical
8	15780	19.2	12.3	31.6	54	-22.4	Average	Vertical

IEEE 802.11a_Channel 60

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10600	34.5	7.6	42.1	74	-31.9	Peak	Horizontal
2	10600	19.7	7.6	27.4	54	-26.7	Average	Horizontal
3	15900	30.8	12.4	43.2	74	-30.8	Peak	Horizontal
4	15900	18.6	12.4	31.0	54	-23.0	Average	Horizontal
5	10600	34.2	7.6	41.8	74	-32.2	Peak	Vertical
6	10600	19.9	7.6	27.5	54	-26.5	Average	Vertical
7	15900	31.2	12.4	43.6	74	-30.4	Peak	Vertical
8	15900	18.9	12.4	31.3	54	-22.8	Average	Vertical

IEEE 802.11a_Channel 64

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10640	33.5	7.7	41.3	74	-32.7	Peak	Horizontal
2	10640	19.7	7.7	27.5	54	-26.5	Average	Horizontal
3	15960	31.0	12.4	43.4	74	-30.6	Peak	Horizontal
4	15960	18.6	12.4	31.0	54	-23.0	Average	Horizontal
5	10640	33.9	7.7	41.7	74	-32.3	Peak	Vertical
6	10640	19.7	7.7	27.4	54	-26.6	Average	Vertical
7	15960	30.9	12.4	43.3	74	-30.7	Peak	Vertical
8	15960	18.8	12.4	31.2	54	-22.8	Average	Vertical

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IEEE 802.11a_Channel 100

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11000	35.2	8.7	43.9	74	-30.1	Peak	Horizontal
2	11000	21.7	8.7	30.4	54	-23.6	Average	Horizontal
3	16500	31.3	14.1	45.3	68.2	-22.9	Peak	Horizontal
4	16500	19.2	14.1	33.2	54	-20.8	Average	Horizontal
5	11000	36.1	8.7	44.9	74	-29.1	Peak	Vertical
6	11000	21.6	8.7	30.4	54	-23.6	Average	Vertical
7	16500	31.2	14.1	45.2	68.2	-23.0	Peak	Vertical
8	16500	19.5	14.1	33.5	54	-20.5	Average	Vertical

IEEE 802.11a_Channel 120

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11200	39.0	7.4	46.3	74	-27.7	Peak	Horizontal
2	11200	25.6	7.4	32.9	54	-21.1	Average	Horizontal
3	16800	34.7	12.5	47.2	68.2	-21.0	Peak	Horizontal
4	16800	22.5	12.5	35.0	54	-19.0	Average	Horizontal
5	11200	37.3	7.4	44.6	74	-29.4	Peak	Vertical
6	11200	25.1	7.4	32.5	54	-21.5	Average	Vertical
7	16800	34.7	12.5	47.2	68.2	-21.0	Peak	Vertical
8	16800	22.7	12.5	35.1	54	-18.9	Average	Vertical

IEEE 802.11a_Channel 140

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11400	32.6	8.0	40.6	74	-33.4	Peak	Horizontal
2	11400	19.1	8.0	27.0	54	-27.0	Average	Horizontal
3	17100	30.2	14.1	44.3	68.2	-23.9	Peak	Horizontal
4	17100	18.5	14.1	32.6	54	-21.4	Average	Horizontal
5	11400	32.4	8.0	40.4	74	-33.6	Peak	Vertical
6	11400	18.7	8.0	26.7	54	-27.3	Average	Vertical
7	17100	30.4	14.1	44.6	68.2	-23.6	Peak	Vertical
8	17100	18.7	14.1	32.8	54	-21.2	Average	Vertical

TEST REPORT

IEEE 802.11a_Channel 144

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11440	37.3	7.8	45.0	74	-29.0	Peak	Horizontal
2	11440	23.9	7.8	31.6	54	-22.4	Average	Horizontal
3	17160	35.7	13.4	49.2	68.2	-19.0	Peak	Horizontal
4	17160	23.9	13.4	37.3	54	-16.7	Average	Horizontal
5	11440	36.9	7.8	44.7	74	-29.4	Peak	Vertical
6	11440	24.0	7.8	31.7	54	-22.3	Average	Vertical
7	17160	35.4	13.4	48.8	68.2	-19.4	Peak	Vertical
8	17160	24.0	13.4	37.4	54	-16.6	Average	Vertical

IEEE 802.11a_Channel 149

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11490	32.1	7.8	39.9	74	-34.1	Peak	Horizontal
2	11490	17.7	7.8	25.5	54	-28.5	Average	Horizontal
3	17235	30.4	14.5	44.9	68.2	-23.3	Peak	Horizontal
4	17235	18.7	14.5	33.2	54	-20.8	Average	Horizontal
5	11490	33.0	7.8	40.8	74	-33.2	Peak	Vertical
6	11490	17.6	7.8	25.4	54	-28.6	Average	Vertical
7	17235	30.2	14.5	44.6	68.2	-23.6	Peak	Vertical
8	17235	18.9	14.5	33.4	54	-20.6	Average	Vertical

IEEE 802.11a_Channel 157

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11570	33.1	7.8	40.9	74	-33.1	Peak	Horizontal
2	11570	18.9	7.8	26.6	54	-27.4	Average	Horizontal
3	17355	30.3	14.7	45.0	68.2	-23.2	Peak	Horizontal
4	17355	17.4	14.7	32.2	54	-21.8	Average	Horizontal
5	11570	33.1	7.8	40.9	74	-33.1	Peak	Vertical
6	11570	19.1	7.8	26.8	54	-27.2	Average	Vertical
7	17355	30.3	14.7	45.1	68.2	-23.1	Peak	Vertical
8	17355	18.2	14.7	32.9	54	-21.1	Average	Vertical

TEST REPORT

IEEE 802.11a_Channel 165

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11650	33.3	7.8	41.1	74	-32.9	Peak	Horizontal
2	11650	18.6	7.8	26.4	54	-27.6	Average	Horizontal
3	17475	29.9	15.0	44.9	68.2	-23.3	Peak	Horizontal
4	17475	17.8	15.0	32.8	54	-21.2	Average	Horizontal
5	11650	33.2	7.8	41.0	74	-33.0	Peak	Vertical
6	11650	18.7	7.8	26.5	54	-27.5	Average	Vertical
7	17475	30.6	15.0	45.6	68.2	-22.6	Peak	Vertical
8	17475	17.6	15.0	32.6	54	-21.4	Average	Vertical

IEEE 802.11n-HT20_Channel 36

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10360	33.4	7.2	40.5	68.2	-27.7	Peak	Horizontal
2	10360	20.6	7.2	27.7	54	-26.3	Average	Horizontal
3	15540	31.7	12.2	43.9	74	-30.1	Peak	Horizontal
4	15540	16.8	12.2	29.0	54	-25.0	Average	Horizontal
5	10360	34.6	7.2	41.8	68.2	-26.4	Peak	Vertical
6	10360	21.0	7.2	28.2	54	-25.8	Average	Vertical
7	15540	31.0	12.2	43.3	74	-30.7	Peak	Vertical
8	15540	17.2	12.2	29.4	54	-24.6	Average	Vertical

IEEE 802.11n-HT20_Channel 44

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10440	34.3	7.3	41.6	68.2	-26.6	Peak	Horizontal
2	10440	20.8	7.3	28.1	54	-25.9	Average	Horizontal
3	15660	31.2	12.3	43.5	74	-30.5	Peak	Horizontal
4	15660	18.3	12.3	30.6	54	-23.4	Average	Horizontal
5	10440	34.7	7.3	42.0	68.2	-26.2	Peak	Vertical
6	10440	21.3	7.3	28.6	54	-25.4	Average	Vertical
7	15660	31.6	12.3	43.9	74	-30.1	Peak	Vertical
8	15660	18.4	12.3	30.7	54	-23.3	Average	Vertical

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IEEE 802.11n-HT20_Channel 48

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10480	32.7	7.3	40.0	68.2	-28.2	Peak	Horizontal
2	10480	19.0	7.3	26.3	54	-27.7	Average	Horizontal
3	15720	31.3	12.3	43.6	74	-30.4	Peak	Horizontal
4	15720	19.1	12.3	31.4	54	-22.6	Average	Horizontal
5	10480	31.6	7.3	38.9	68.2	-29.3	Peak	Vertical
6	10480	19.0	7.3	26.3	54	-27.7	Average	Vertical
7	15720	32.8	12.3	45.1	74	-28.9	Peak	Vertical
8	15720	19.2	12.3	31.5	54	-22.5	Average	Vertical

IEEE 802.11n-HT20_Channel 52

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10520	32.2	7.4	39.6	68.2	-28.6	Peak	Horizontal
2	10520	18.7	7.4	26.1	54	-27.9	Average	Horizontal
3	15780	31.5	12.3	43.9	74	-30.1	Peak	Horizontal
4	15780	19.0	12.3	31.3	54	-22.7	Average	Horizontal
5	10520	32.0	7.4	39.4	68.2	-28.8	Peak	Vertical
6	10520	18.9	7.4	26.3	54	-27.7	Average	Vertical
7	15780	31.8	12.3	44.2	74	-29.8	Peak	Vertical
8	15780	19.0	12.3	31.3	54	-22.7	Average	Vertical

IEEE 802.11n-HT20_Channel 60

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10600	35.1	7.6	42.7	74	-31.3	Peak	Horizontal
2	10600	19.7	7.6	27.3	54	-26.7	Average	Horizontal
3	15900	30.8	12.4	43.2	74	-30.8	Peak	Horizontal
4	15900	18.7	12.4	31.1	54	-23.0	Average	Horizontal
5	10600	34.8	7.6	42.4	74	-31.6	Peak	Vertical
6	10600	19.8	7.6	27.4	54	-26.6	Average	Vertical
7	15900	30.7	12.4	43.1	74	-30.9	Peak	Vertical
8	15900	18.7	12.4	31.1	54	-22.9	Average	Vertical

TEST REPORT

IEEE 802.11n-HT20_Channel 64

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10640	33.5	7.7	41.2	74	-32.8	Peak	Horizontal
2	10640	19.5	7.7	27.4	54	-26.6	Average	Horizontal
3	15960	32.0	12.4	44.4	74	-29.6	Peak	Horizontal
4	15960	18.7	12.4	31.1	54	-22.9	Average	Horizontal
5	10640	34.5	7.7	42.2	74	-31.8	Peak	Vertical
6	10640	19.9	7.7	27.7	54	-26.4	Average	Vertical
7	15960	30.6	12.4	43.0	74	-31.0	Peak	Vertical
8	15960	18.7	12.4	31.1	54	-22.9	Average	Vertical

IEEE 802.11n-HT20_Channel 100

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11000	35.2	8.7	44.0	74	-30.0	Peak	Horizontal
2	11000	21.6	8.7	30.3	54	-23.7	Average	Horizontal
3	16500	31.9	14.1	46.0	68.2	-22.2	Peak	Horizontal
4	16500	19.3	14.1	33.4	54	-20.6	Average	Horizontal
5	11000	34.7	8.7	43.4	74	-30.6	Peak	Vertical
6	11000	21.9	8.7	30.6	54	-23.4	Average	Vertical
7	16500	31.9	14.1	45.9	68.2	-22.3	Peak	Vertical
8	16500	19.2	14.1	33.3	54	-20.7	Average	Vertical

IEEE 802.11n-HT20_Channel 120

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11200	38.0	6.5	45.4	74	-28.6	Peak	Horizontal
2	11200	23.4	6.5	30.8	54	-23.2	Average	Horizontal
3	16800	34.7	11.8	47.2	68.2	-21.0	Peak	Horizontal
4	16800	23.3	11.8	35.8	54	-18.2	Average	Horizontal
5	11200	37.9	6.5	45.2	74	-28.8	Peak	Vertical
6	11200	23.6	6.5	31.0	54	-23.0	Average	Vertical
7	16800	35.7	11.8	48.2	68.2	-20.0	Peak	Vertical
8	16800	23.2	11.8	35.7	54	-18.3	Average	Vertical

IEEE 802.11n-HT20_Channel 140

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11400	32.5	8.0	40.5	74	-33.5	Peak	Horizontal
2	11400	18.9	8.0	26.9	54	-27.1	Average	Horizontal
3	17100	29.9	14.1	44.0	68.2	-24.2	Peak	Horizontal
4	17100	18.6	14.1	32.7	54	-21.3	Average	Horizontal
5	11400	31.8	8.0	39.8	74	-34.2	Peak	Vertical
6	11400	18.9	8.0	26.8	54	-27.2	Average	Vertical
7	17100	30.5	14.1	44.6	68.2	-23.6	Peak	Vertical
8	17100	18.6	14.1	32.7	54	-21.3	Average	Vertical

IEEE 802.11n-HT20_Channel 144

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11440	37.6	7.8	45.4	74	-28.6	Peak	Horizontal
2	11440	24.2	7.8	32.0	54	-22.0	Average	Horizontal
3	17160	35.9	13.4	49.4	68.2	-18.9	Peak	Horizontal
4	17160	24.2	13.4	37.7	54	-16.3	Average	Horizontal
5	11440	37.4	7.8	45.1	74	-28.9	Peak	Vertical
6	11440	24.2	7.8	32.0	54	-22.0	Average	Vertical
7	17160	35.6	13.4	49.0	68.2	-19.2	Peak	Vertical
8	17160	24.2	13.4	37.7	54	-16.3	Average	Vertical

IEEE 802.11n-HT20_Channel 149

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11490	31.8	7.8	39.6	74	-34.4	Peak	Horizontal
2	11490	17.6	7.8	25.4	54	-28.6	Average	Horizontal
3	17235	31.1	14.5	45.6	68.2	-22.6	Peak	Horizontal
4	17235	18.5	14.5	32.9	54	-21.1	Average	Horizontal
5	11490	31.9	7.8	39.7	74	-34.3	Peak	Vertical
6	11490	17.9	7.8	25.7	54	-28.3	Average	Vertical
7	17235	30.6	14.5	45.1	68.2	-23.1	Peak	Vertical
8	17235	18.8	14.5	33.3	54	-20.7	Average	Vertical

IEEE 802.11n-HT20_Channel 157

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11570	35.9	7.8	43.7	74	-30.3	Peak	Horizontal
2	11570	19.6	7.8	27.4	54	-26.6	Average	Horizontal
3	17355	28.9	14.7	43.6	68.2	-24.6	Peak	Horizontal
4	17355	17.2	14.7	31.9	54	-22.1	Average	Horizontal
5	11570	32.9	7.8	40.7	74	-33.3	Peak	Vertical
6	11570	20.0	7.8	27.8	54	-26.2	Average	Vertical
7	17355	30.7	14.7	45.5	68.2	-22.7	Peak	Vertical
8	17355	17.5	14.7	32.2	54	-21.8	Average	Vertical

IEEE 802.11n-HT20_Channel 165

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11650	32.9	7.8	40.7	74	-33.3	Peak	Horizontal
2	11650	18.4	7.8	26.2	54	-27.8	Average	Horizontal
3	17475	29.2	15.0	44.2	68.2	-24.0	Peak	Horizontal
4	17475	17.0	15.0	32.1	54	-21.9	Average	Horizontal
5	11650	32.9	7.8	40.7	74	-33.3	Peak	Vertical
6	11650	18.9	7.8	26.7	54	-27.3	Average	Vertical
7	17475	29.3	15.0	44.4	68.2	-23.8	Peak	Vertical
8	17475	17.2	15.0	32.2	54	-21.8	Average	Vertical

IEEE 802.11n-HT40_Channel 38

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10380	33.2	7.2	40.4	68.2	-27.8	Peak	Horizontal
2	10380	21.8	7.2	29.0	54	-25.0	Average	Horizontal
3	15570	29.9	12.2	42.2	74	-31.8	Peak	Horizontal
4	15570	16.5	12.2	28.7	54	-25.3	Average	Horizontal
5	10380	34.8	7.2	42.0	68.2	-26.2	Peak	Vertical
6	10380	21.3	7.2	28.5	54	-25.5	Average	Vertical
7	15570	30.8	12.2	43.0	74	-31.0	Peak	Vertical
8	15570	16.9	12.2	29.1	54	-24.9	Average	Vertical

IEEE 802.11n-HT40_Channel 46

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10460	32.9	7.3	40.2	68.2	-28.0	Peak	Horizontal
2	10460	20.4	7.3	27.7	54	-26.3	Average	Horizontal
3	15690	30.3	12.3	42.5	74	-31.5	Peak	Horizontal
4	15690	17.6	12.3	29.9	54	-24.1	Average	Horizontal
5	10460	33.4	7.3	40.7	68.2	-27.5	Peak	Vertical
6	10460	20.7	7.3	28.0	54	-26.0	Average	Vertical
7	15690	32.1	12.3	44.4	74	-29.6	Peak	Vertical
8	15690	17.8	12.3	30.1	54	-23.9	Average	Vertical

IEEE 802.11n-HT40_Channel 54

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10540	29.1	7.5	36.5	68.2	-31.7	Peak	Horizontal
2	10540	15.7	7.5	23.1	54	-30.9	Average	Horizontal
3	15810	31.3	12.4	43.6	74	-30.4	Peak	Horizontal
4	15810	18.5	12.4	30.9	54	-23.1	Average	Horizontal
5	10540	29.7	7.5	37.1	68.2	-31.1	Peak	Vertical
6	10540	16.2	7.5	23.7	54	-30.3	Average	Vertical
7	15810	31.4	12.4	43.7	74	-30.3	Peak	Vertical
8	15810	18.7	12.4	31.1	54	-22.9	Average	Vertical

IEEE 802.11n-HT40_Channel 62

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	10620	33.8	7.7	41.5	74	-32.5	Peak	Horizontal
2	10620	19.1	7.7	26.8	54	-27.2	Average	Horizontal
3	15930	29.7	12.4	42.1	74	-31.9	Peak	Horizontal
4	15930	17.6	12.4	30.0	54	-24.0	Average	Horizontal
5	10620	33.0	7.7	40.7	74	-33.3	Peak	Vertical
6	10620	19.3	7.7	27.0	54	-27.0	Average	Vertical
7	15930	30.2	12.4	42.6	74	-31.4	Peak	Vertical
8	15930	17.9	12.4	30.4	54	-23.7	Average	Vertical

IEEE 802.11n-HT40_Channel 102

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11020	33.8	8.7	42.5	74	-31.5	Peak	Horizontal
2	11020	21.1	8.7	29.8	54	-24.2	Average	Horizontal
3	16530	30.6	14.0	44.6	68.2	-23.6	Peak	Horizontal
4	16530	18.3	14.0	32.3	54	-21.7	Average	Horizontal
5	11020	34.4	8.7	43.0	74	-31.0	Peak	Vertical
6	11020	21.3	8.7	30.0	54	-24.0	Average	Vertical
7	16530	29.7	14.0	43.7	68.2	-24.5	Peak	Vertical
8	16530	18.4	14.0	32.4	54	-21.6	Average	Vertical

IEEE 802.11n-HT40_Channel 118

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11180	36.9	6.3	44.3	74	-29.7	Peak	Horizontal
2	11180	23.7	6.3	31.1	54	-22.9	Average	Horizontal
3	16770	35.0	11.6	47.5	68.2	-20.7	Peak	Horizontal
4	16770	23.2	11.6	35.7	54	-18.3	Average	Horizontal
5	11180	37.9	6.3	45.3	74	-28.7	Peak	Vertical
6	11180	24.0	6.3	31.3	54	-22.7	Average	Vertical
7	16770	35.5	11.6	48.0	68.2	-20.2	Peak	Vertical
8	16770	23.2	11.6	35.7	54	-18.3	Average	Vertical

IEEE 802.11n-HT40_Channel 134

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11340	32.0	8.1	40.1	74	-33.9	Peak	Horizontal
2	11340	18.3	8.1	26.4	54	-27.6	Average	Horizontal
3	17010	30.0	13.9	43.9	68.2	-24.3	Peak	Horizontal
4	17010	17.9	13.9	31.8	54	-22.2	Average	Horizontal
5	11340	32.7	8.1	40.8	74	-33.2	Peak	Vertical
6	11340	18.5	8.1	26.6	54	-27.4	Average	Vertical
7	17010	28.9	13.9	42.9	68.2	-25.3	Peak	Vertical
8	17010	18.1	13.9	32.1	54	-21.9	Average	Vertical

IEEE 802.11n-HT40_Channel 142

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11420	37.6	7.8	45.4	74	-28.6	Peak	Horizontal
2	11420	23.5	7.8	31.3	54	-22.7	Average	Horizontal
3	17130	35.4	13.4	48.8	68.2	-19.4	Peak	Horizontal
4	17130	23.7	13.4	37.0	54	-17.0	Average	Horizontal
5	11420	37.1	7.8	44.9	74	-29.1	Peak	Vertical
6	11420	23.5	7.8	31.3	54	-22.7	Average	Vertical
7	17130	35.7	13.4	49.0	68.2	-19.2	Peak	Vertical
8	17130	23.7	13.4	37.0	54	-17.0	Average	Vertical

IEEE 802.11n-HT40_Channel 151

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11510	32.2	7.8	39.9	74	-34.1	Peak	Horizontal
2	11510	16.8	7.8	24.6	54	-29.4	Average	Horizontal
3	17265	28.8	14.5	43.4	68.2	-24.8	Peak	Horizontal
4	17265	17.1	14.5	31.6	54	-22.4	Average	Horizontal
5	11510	32.3	7.8	40.1	74	-33.9	Peak	Vertical
6	11510	17.3	7.8	25.1	54	-28.9	Average	Vertical
7	17265	29.3	14.5	43.8	68.2	-24.4	Peak	Vertical
8	17265	17.5	14.5	32.0	54	-22.0	Average	Vertical

IEEE 802.11n-HT40_Channel 159

No.	Frequency (MHz)	Reading (dBμV/m)	Correction factor (dB/m)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Antenna Polaxis
1	11590	30.0	7.8	37.8	74	-36.2	Peak	Horizontal
2	11590	18.4	7.8	26.2	54	-27.8	Average	Horizontal
3	17385	25.7	14.8	40.5	68.2	-27.7	Peak	Horizontal
4	17385	16.6	14.8	31.4	54	-22.6	Average	Horizontal
5	11590	31.8	7.8	39.6	74	-34.4	Peak	Vertical
6	11590	17.9	7.8	25.7	54	-28.3	Average	Vertical
7	17385	28.3	14.8	43.1	68.2	-25.1	Peak	Vertical
8	17385	16.4	14.8	31.3	54	-22.7	Average	Vertical

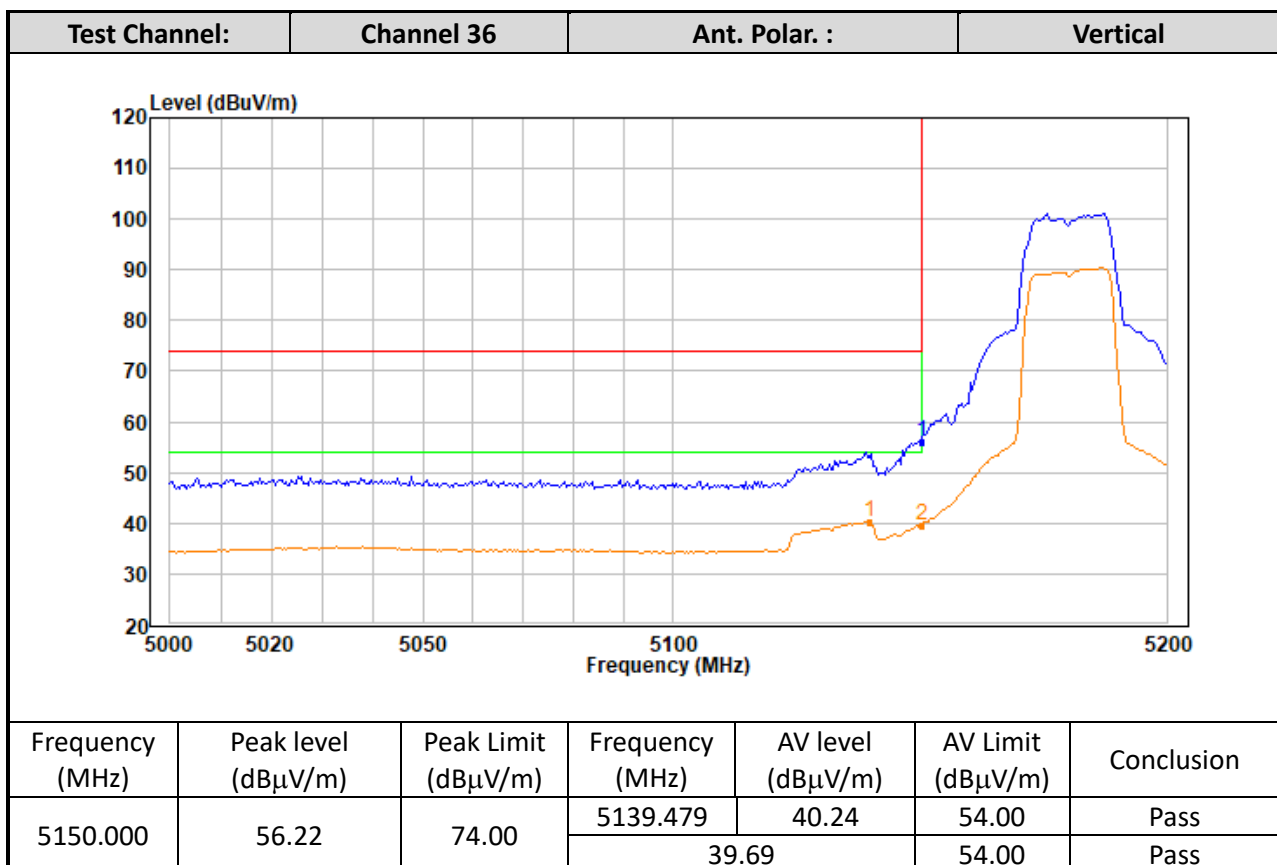
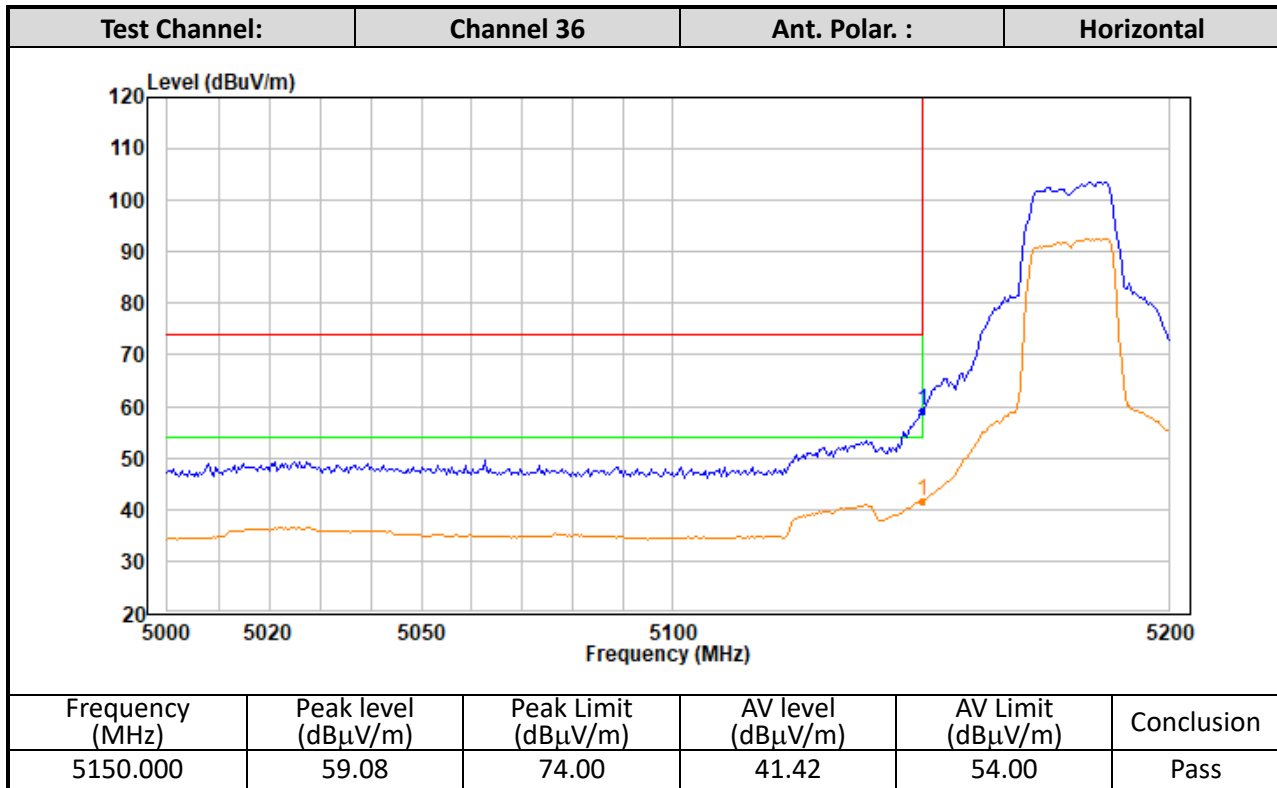
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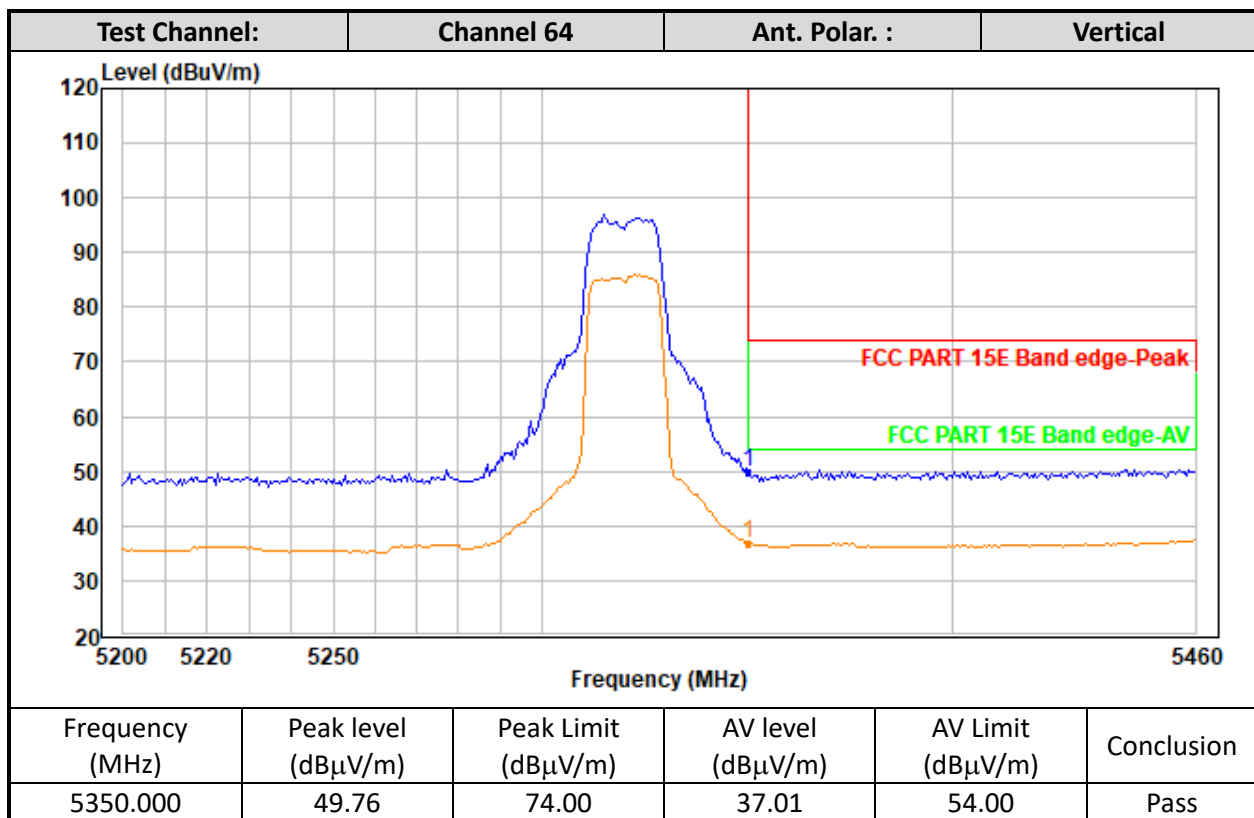
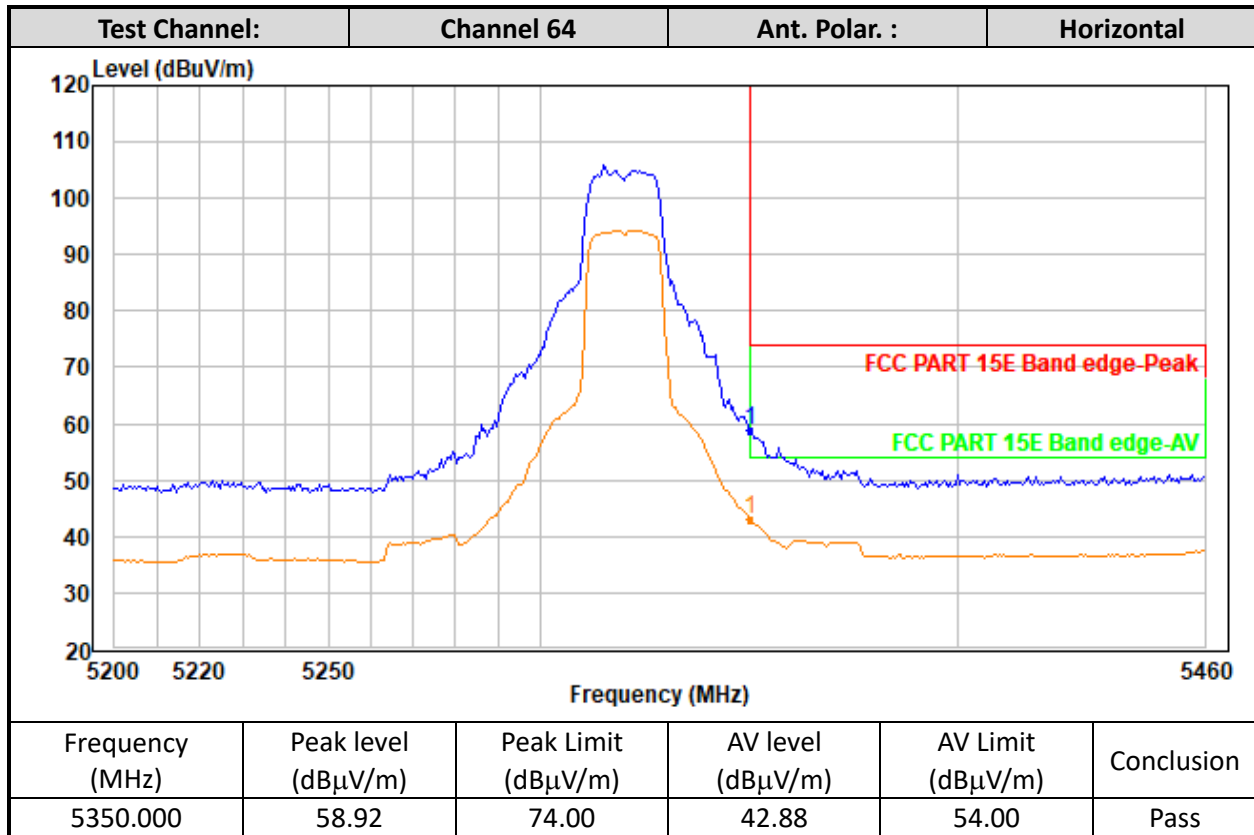
1. Correct Factor = Antenna Factor + Cable Loss - Amplifier Gain, the value was added to Original Receiver Reading by the software automatically.
2. Result = Reading + Correct Factor.
3. Margin = Limit- Result
4. The worst-case emission is reported however emission whose levels were not within 20dB of the respective limited were not reported

TEST REPORT

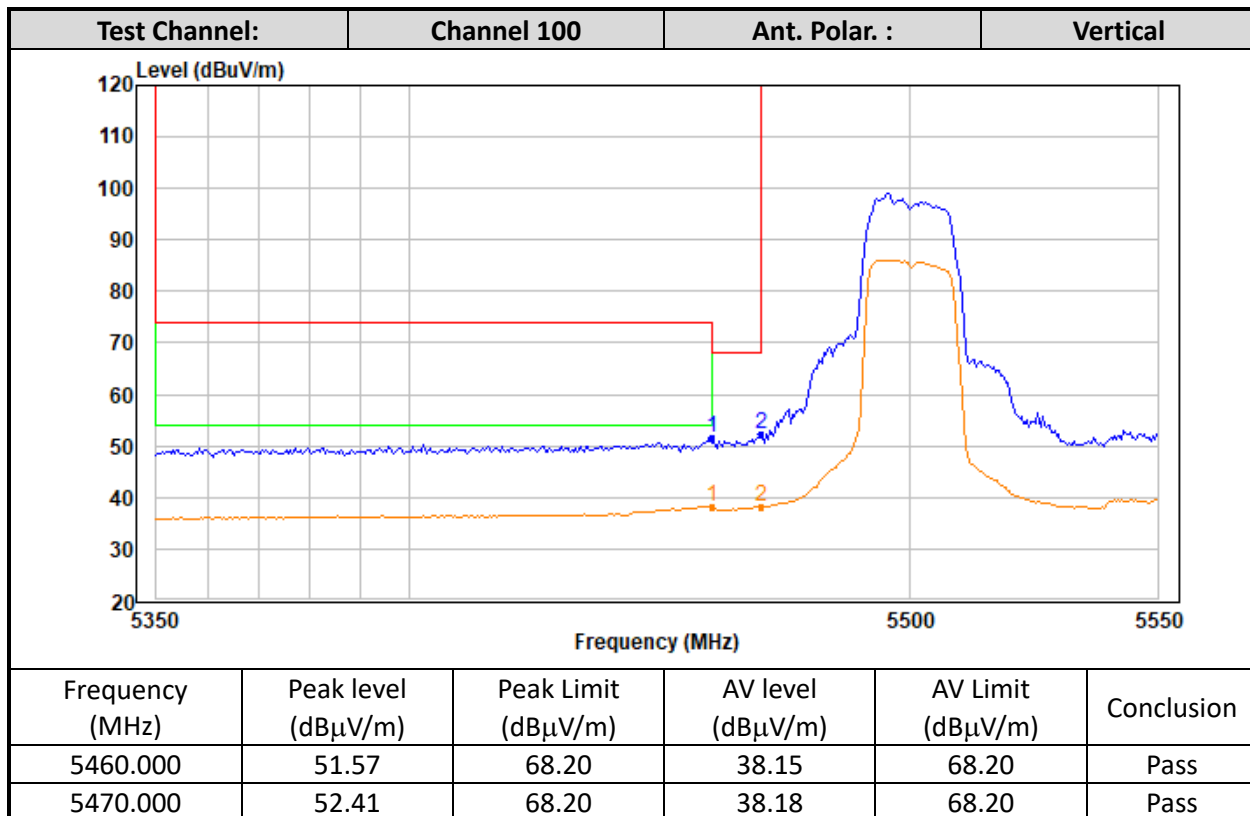
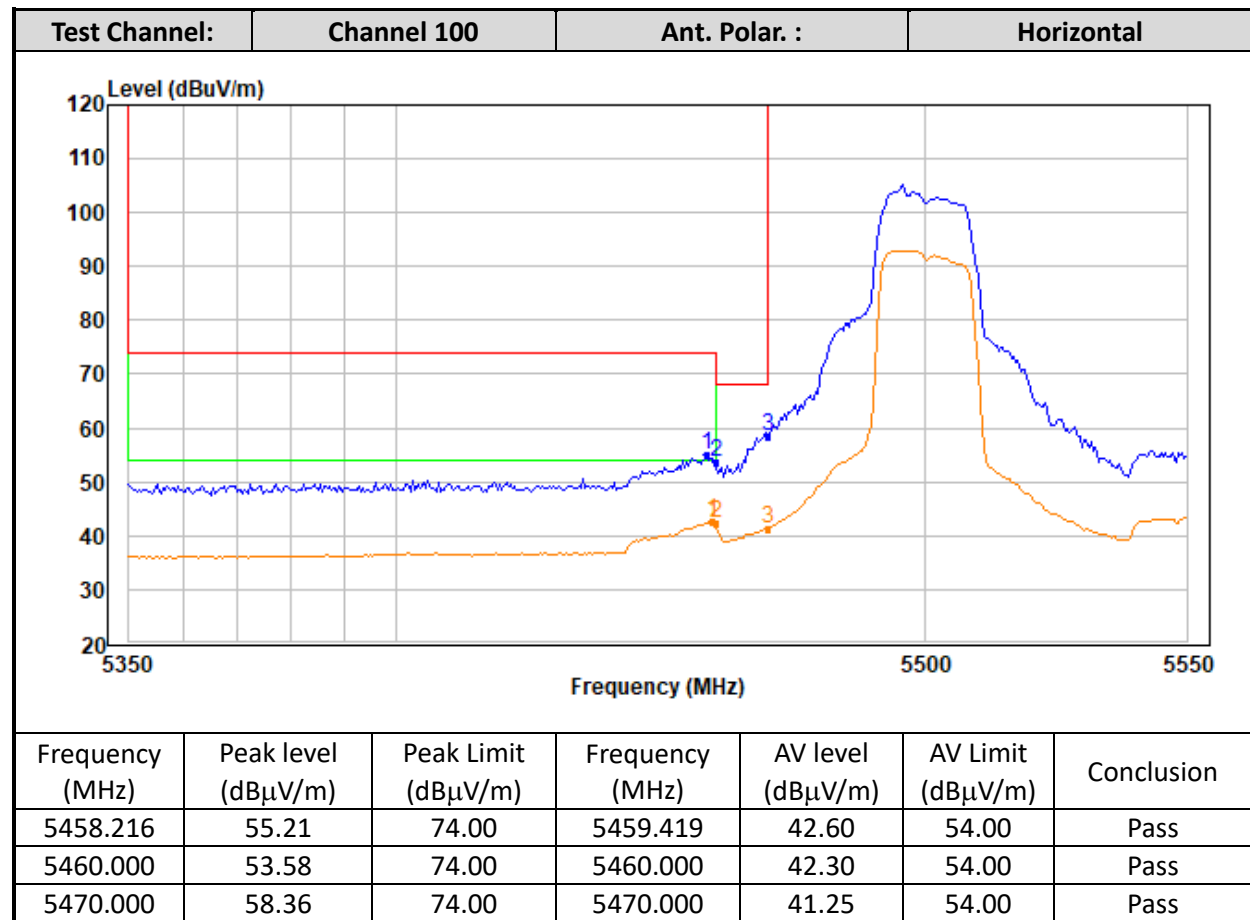
Band Edge Measurements (Radiated)

IEEE 802.11a

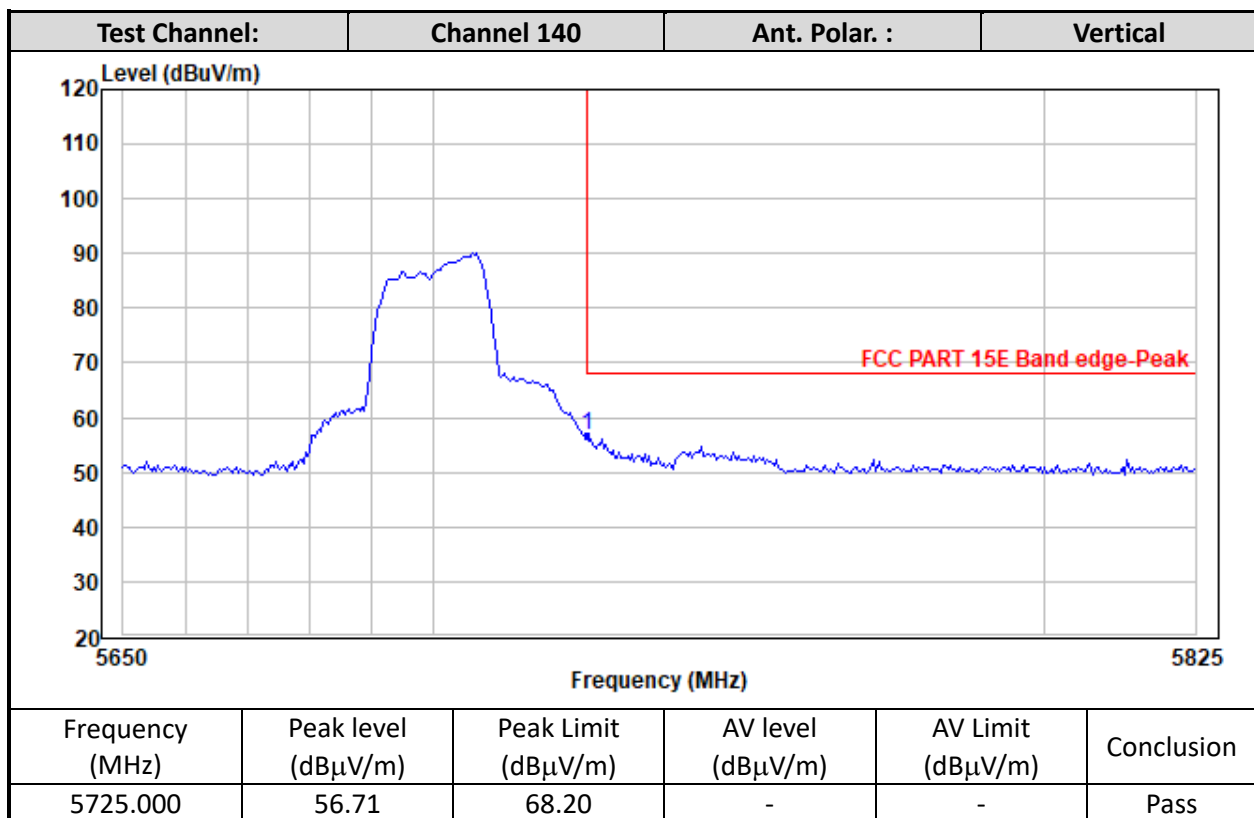
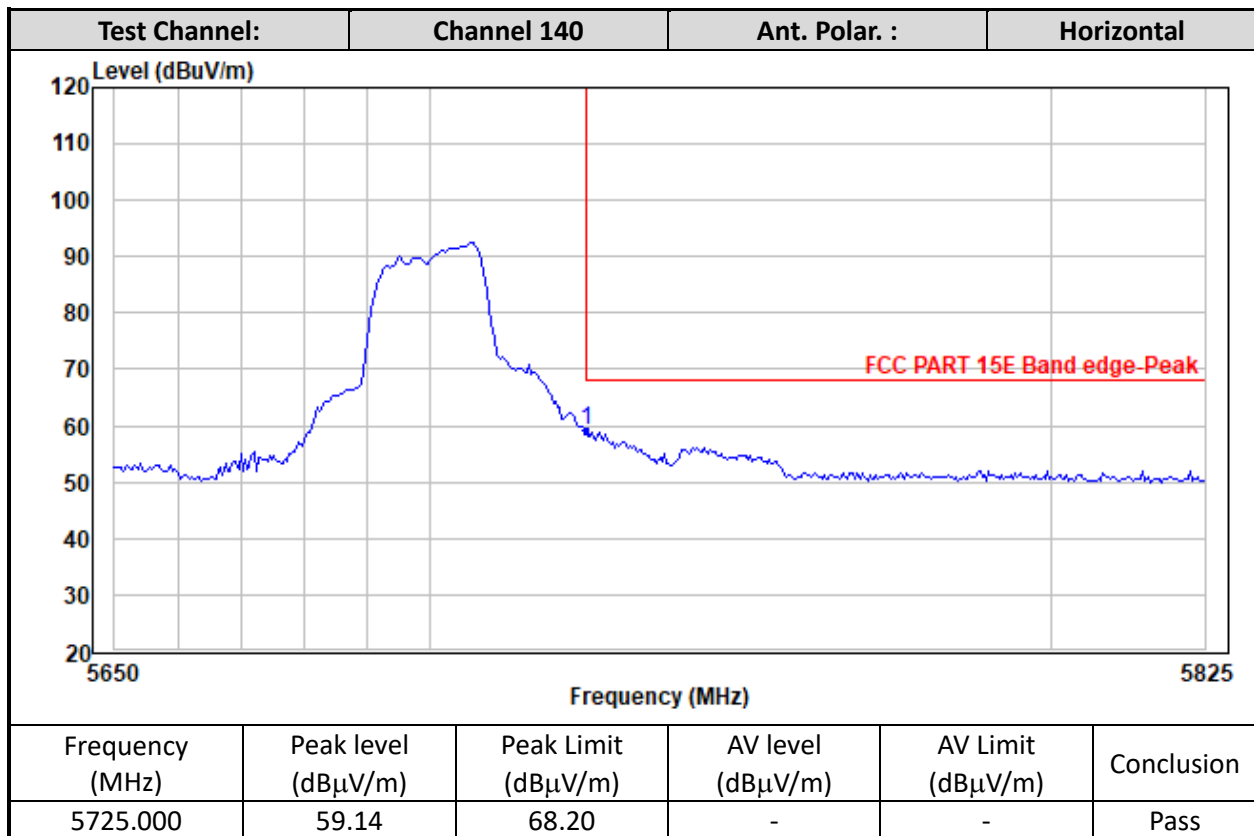




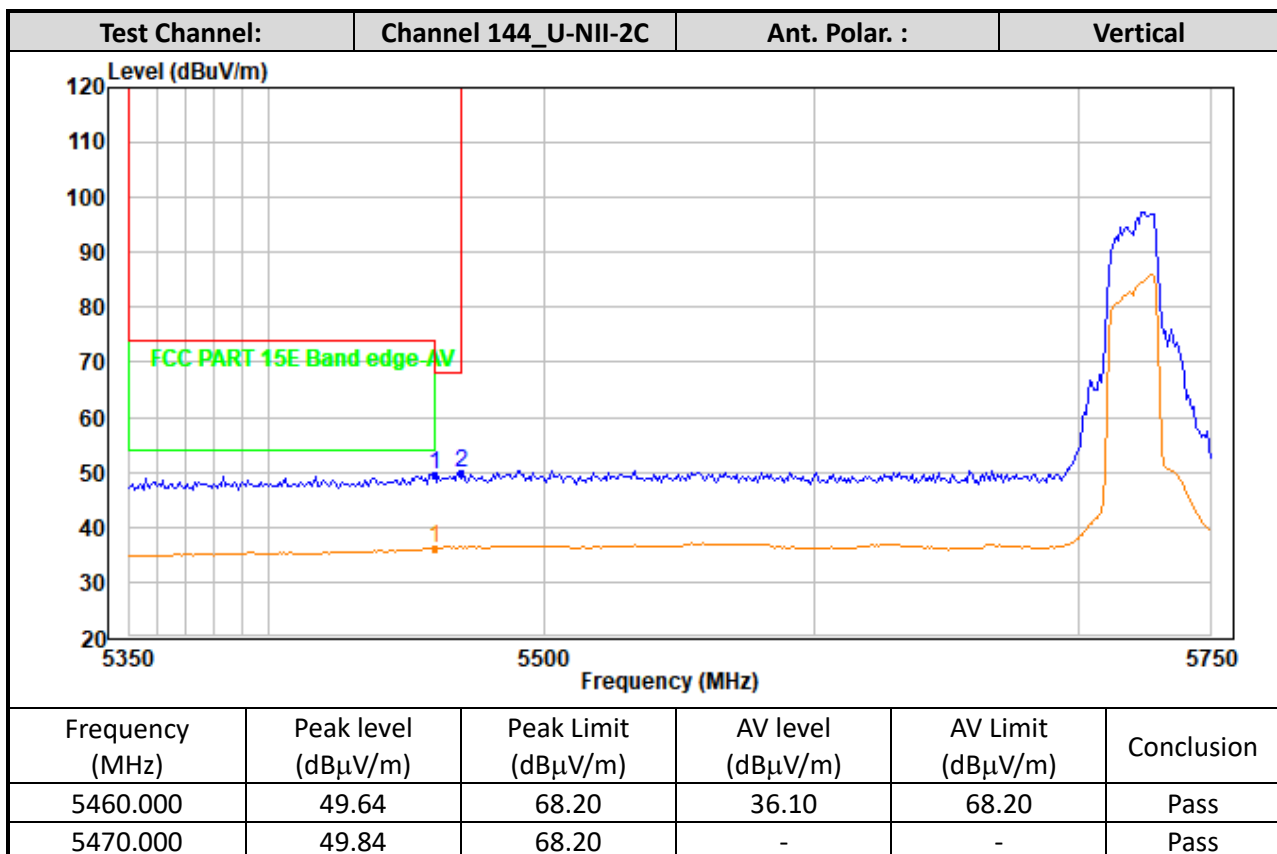
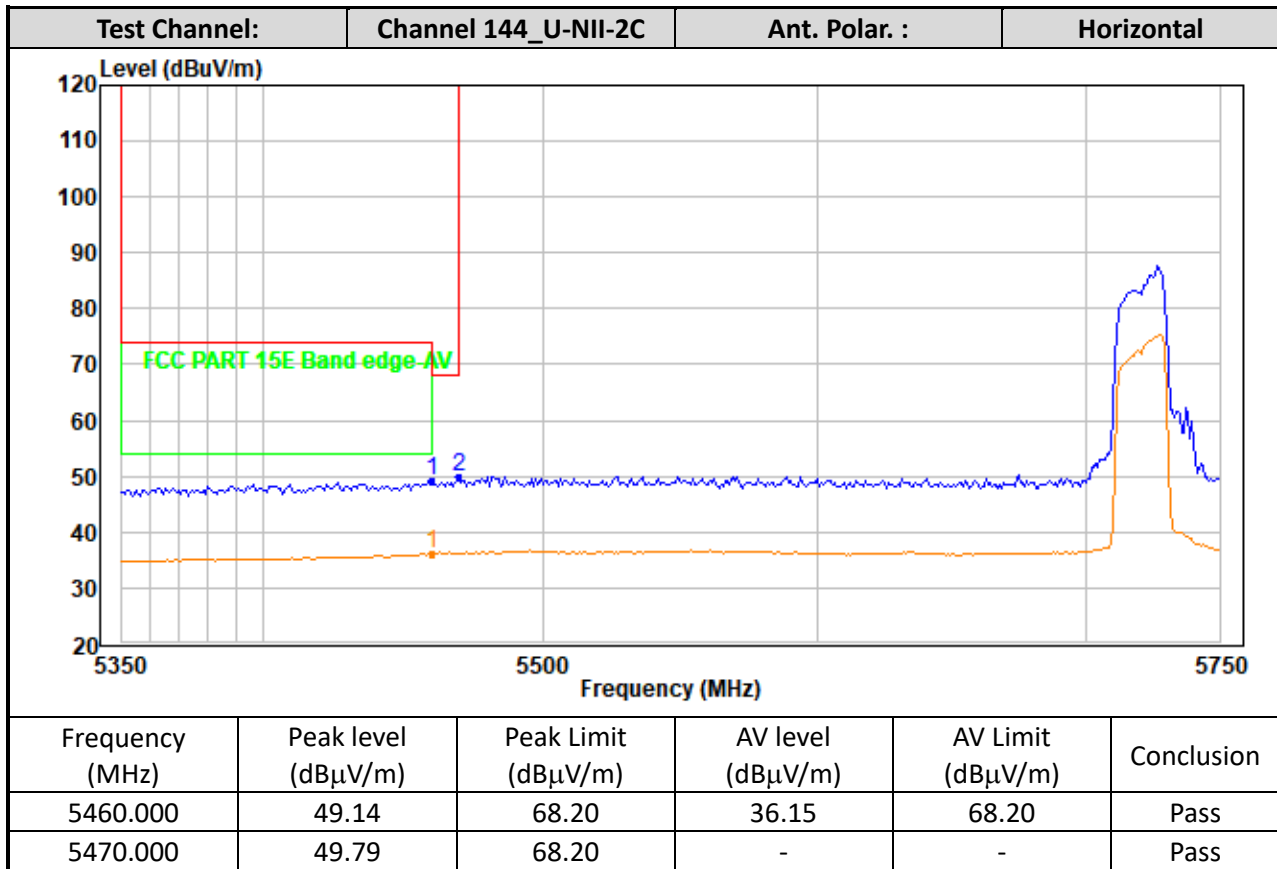
TEST REPORT



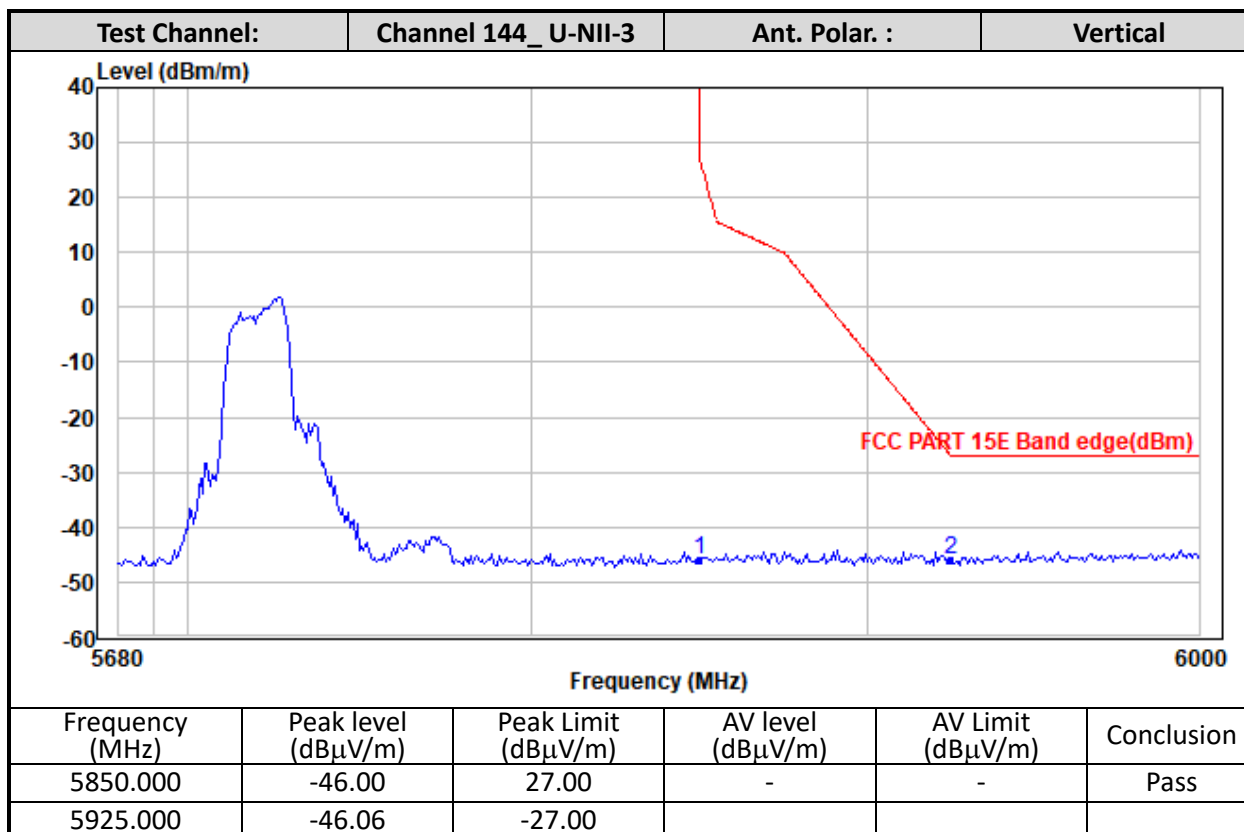
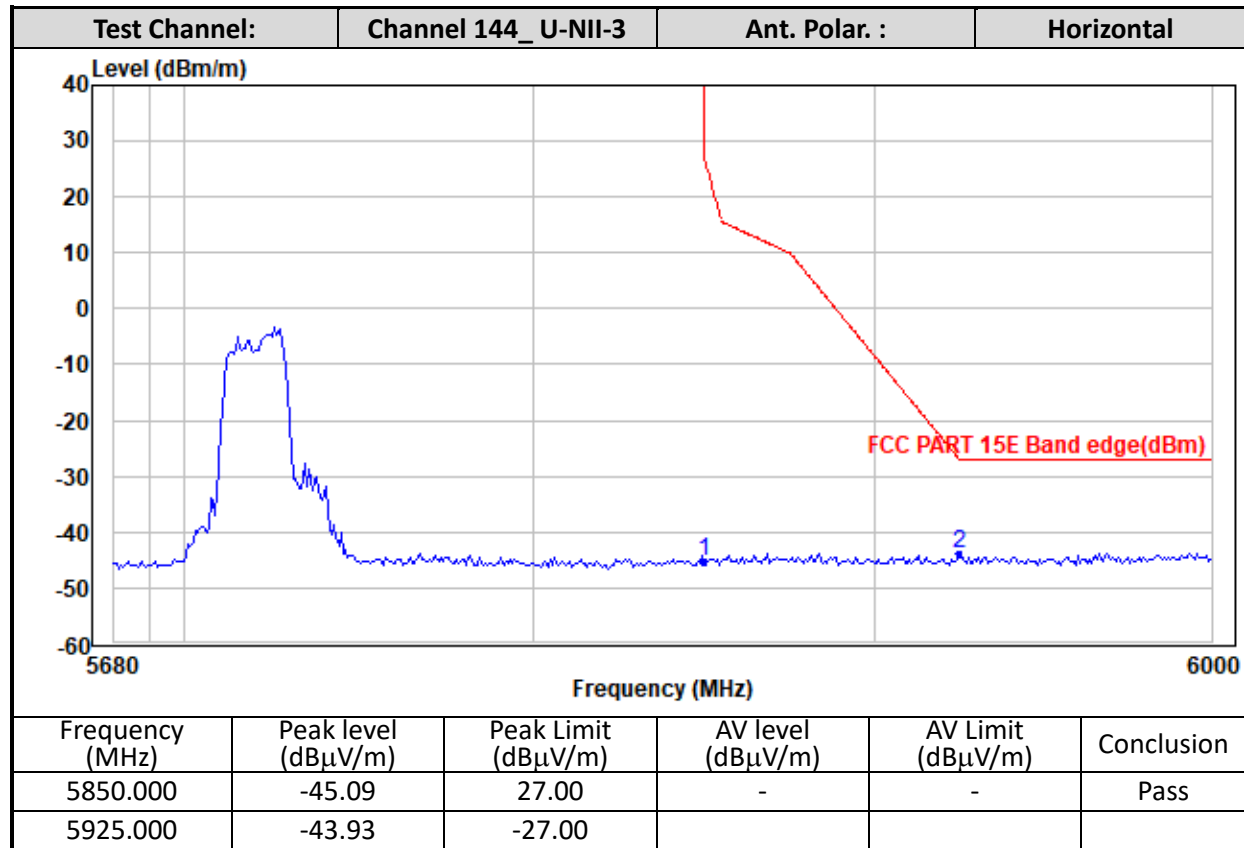
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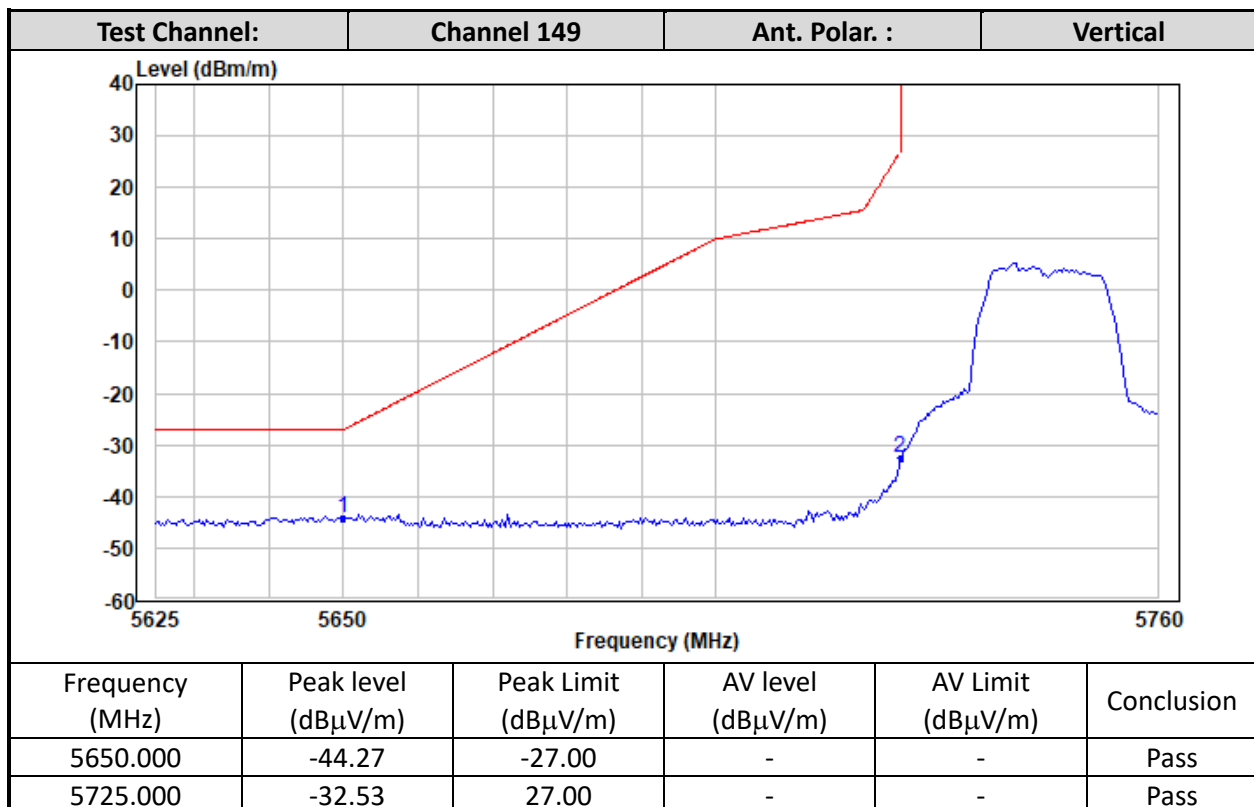
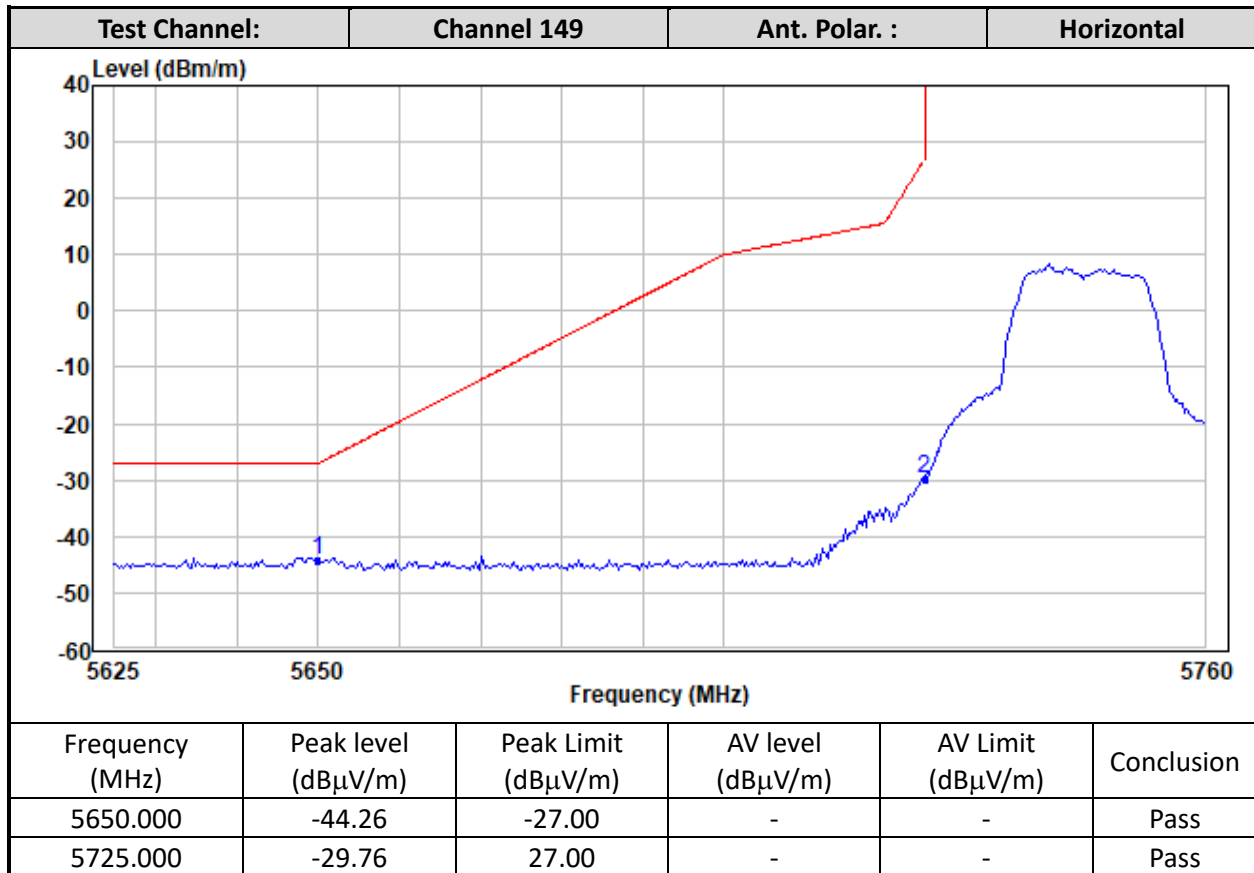
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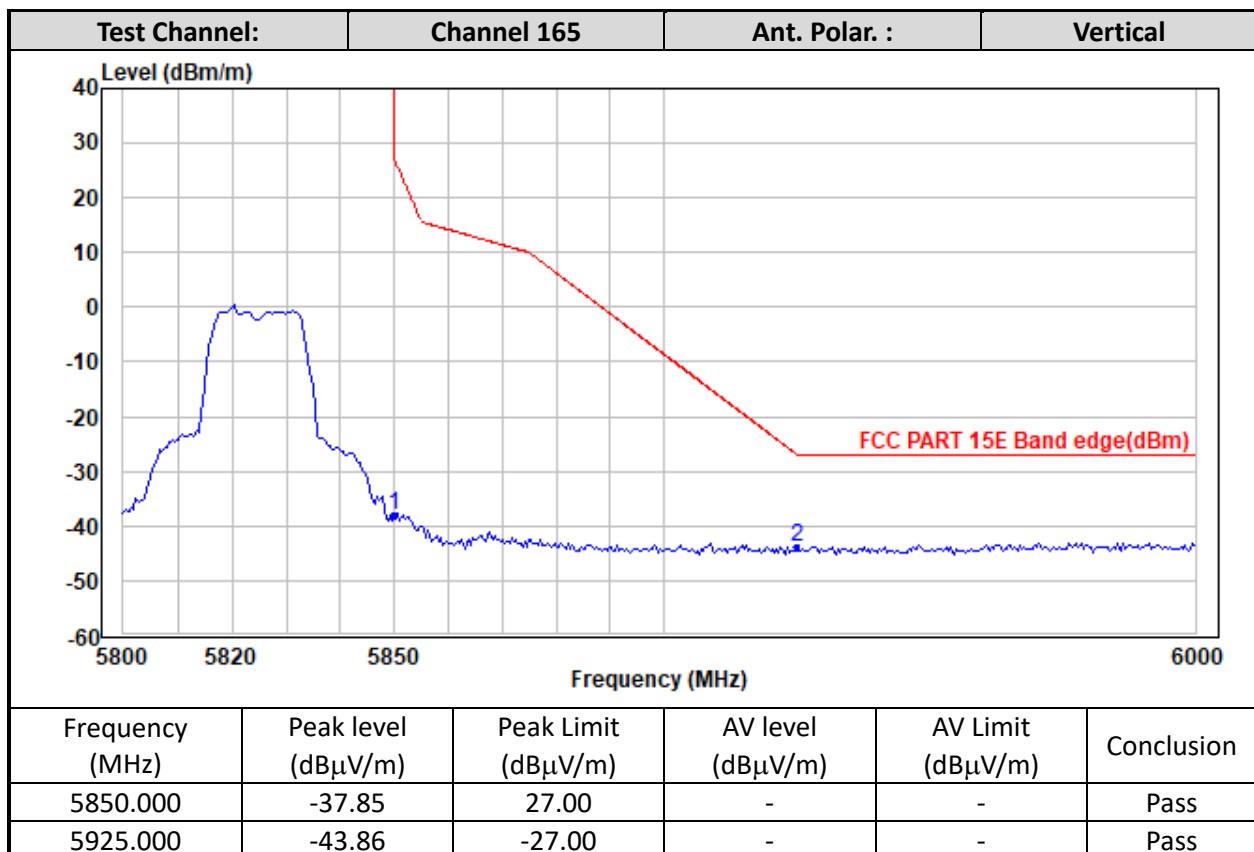
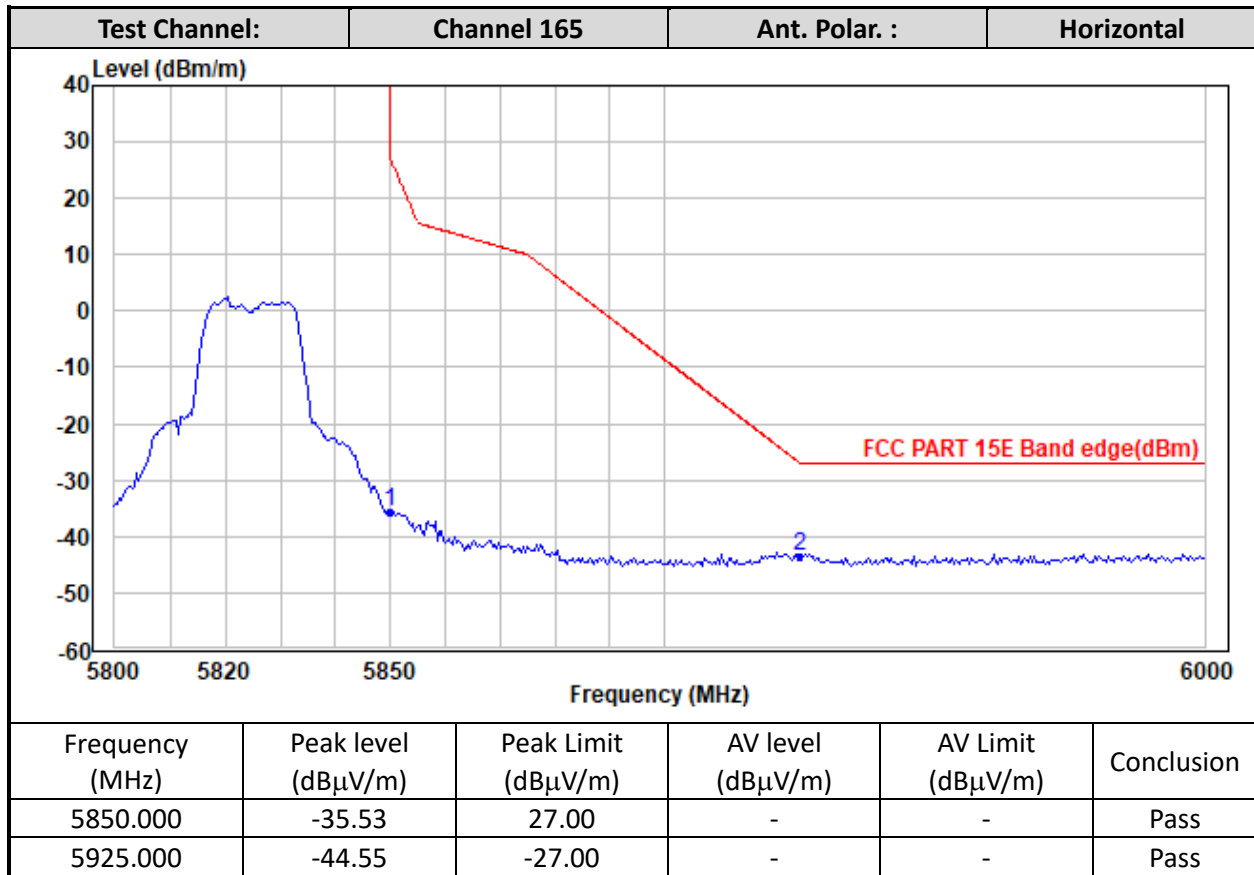
TEST REPORT



TEST REPORT

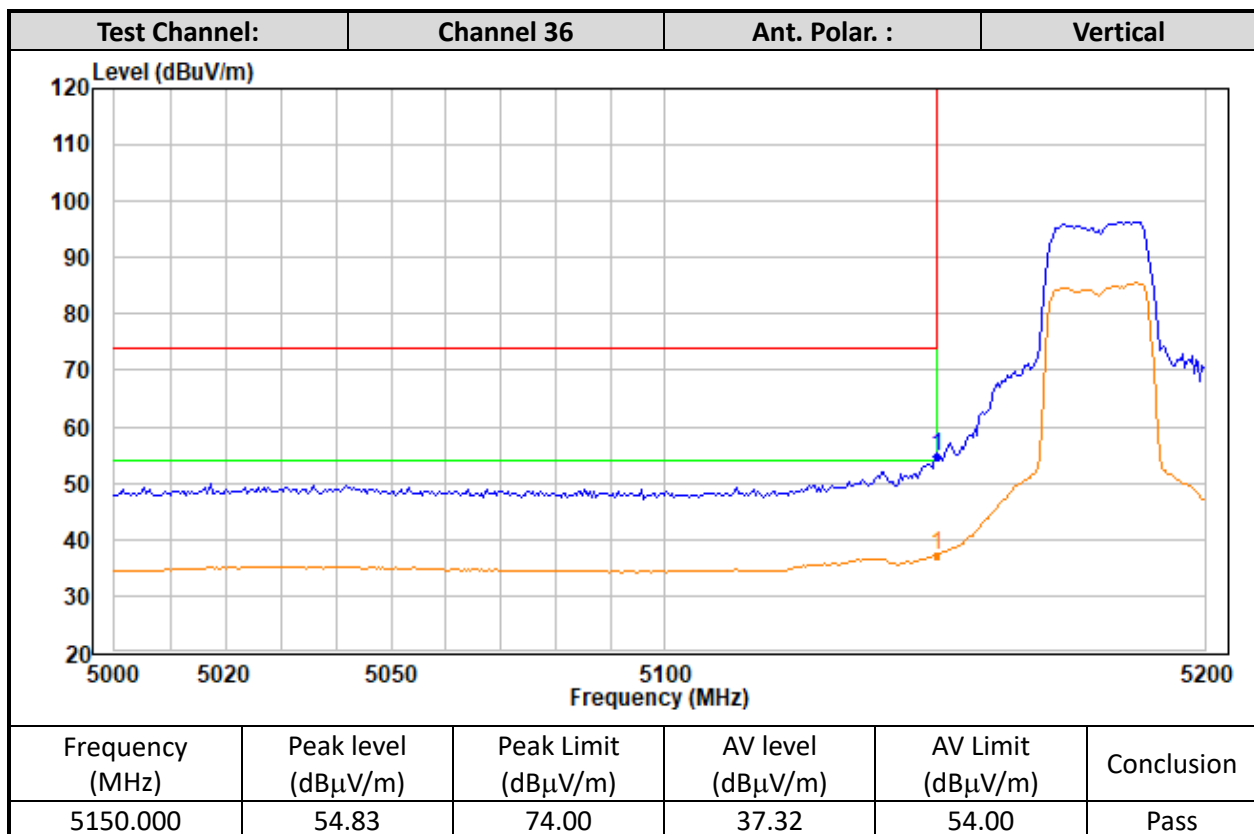
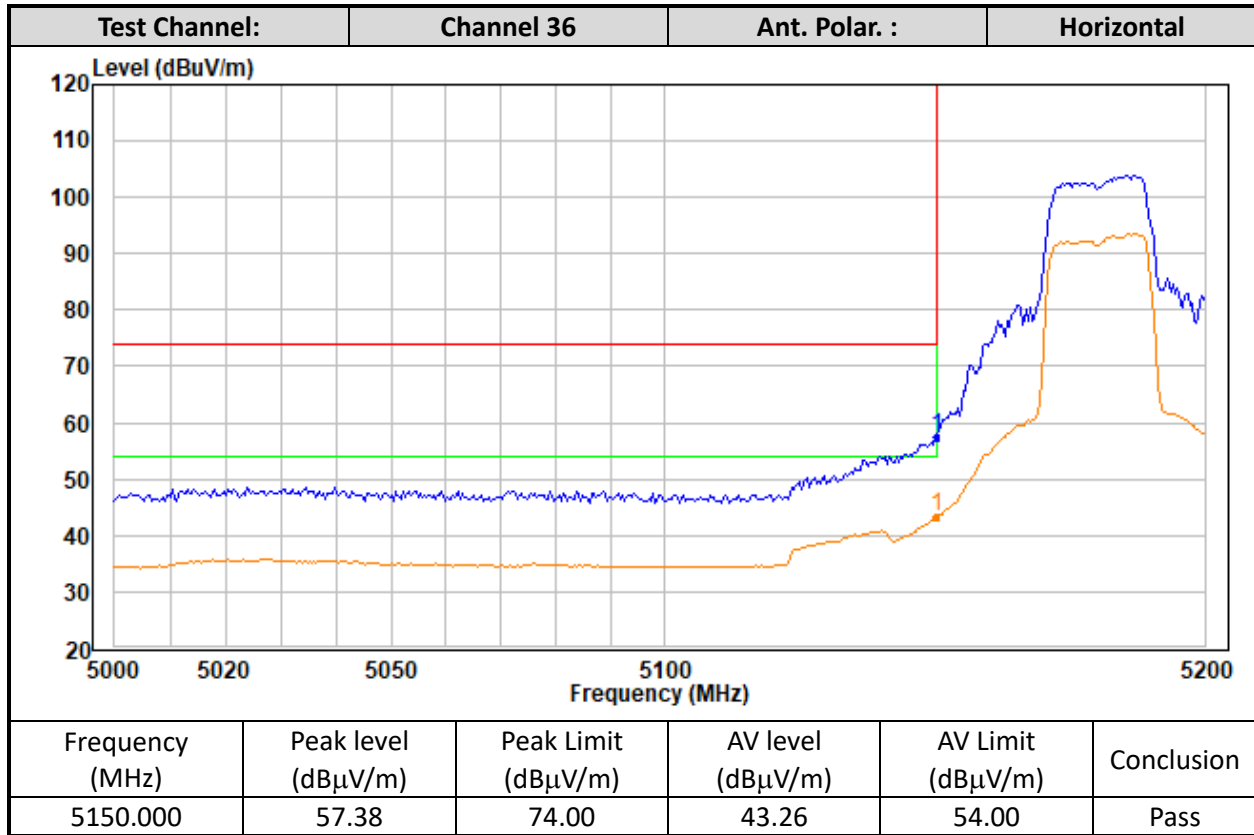


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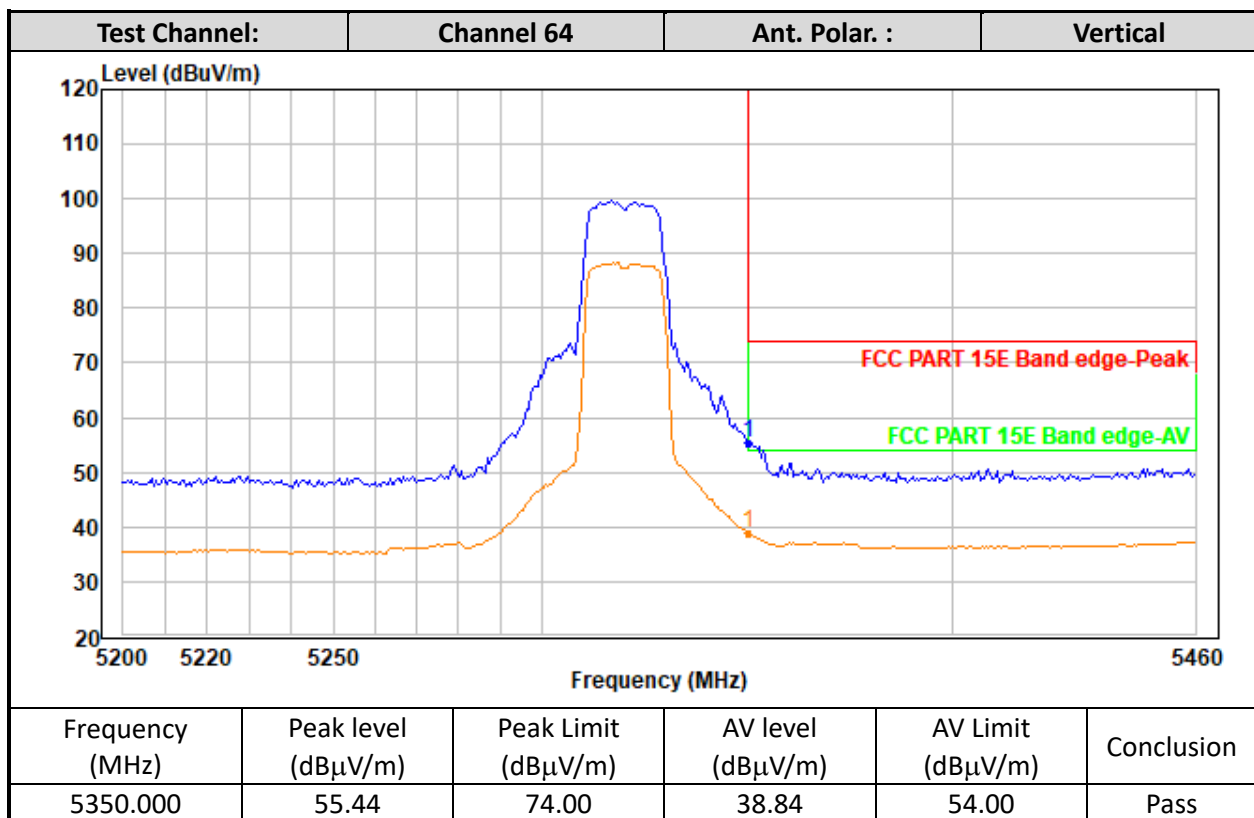
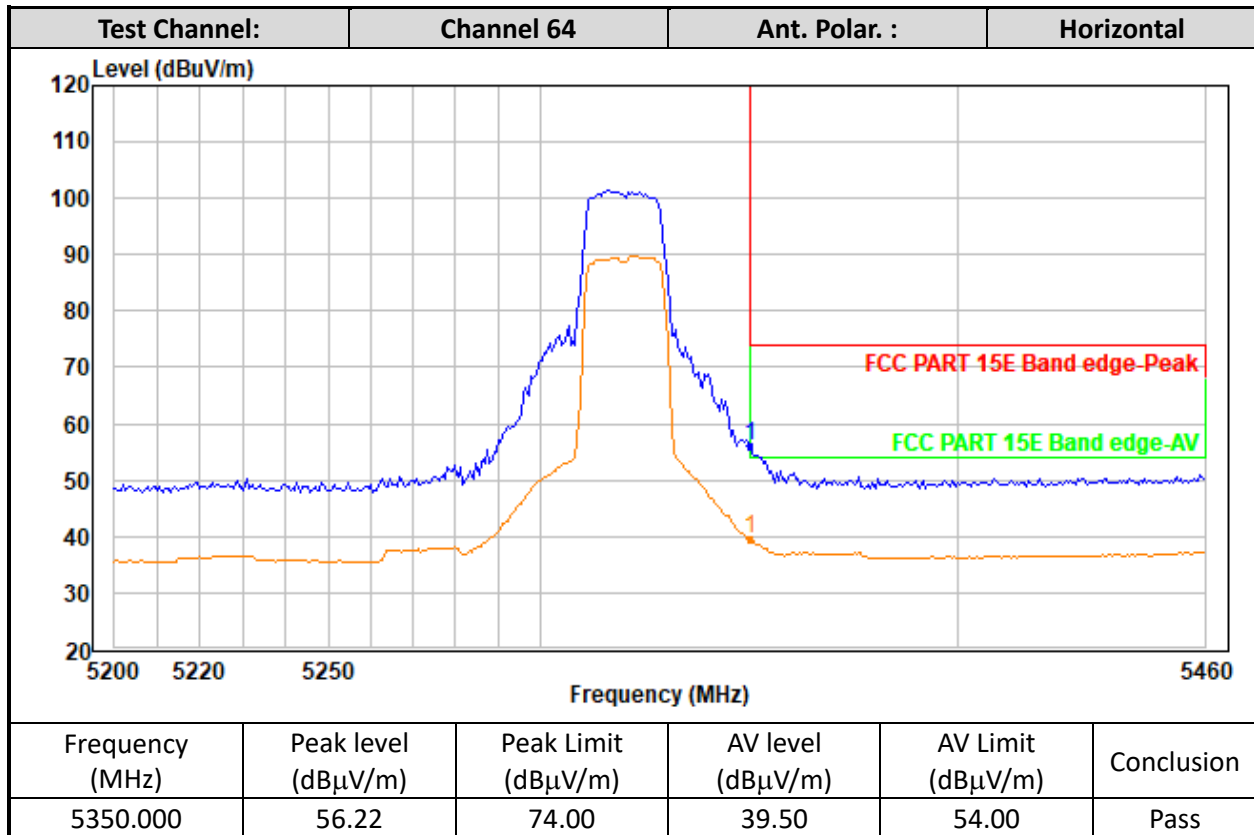


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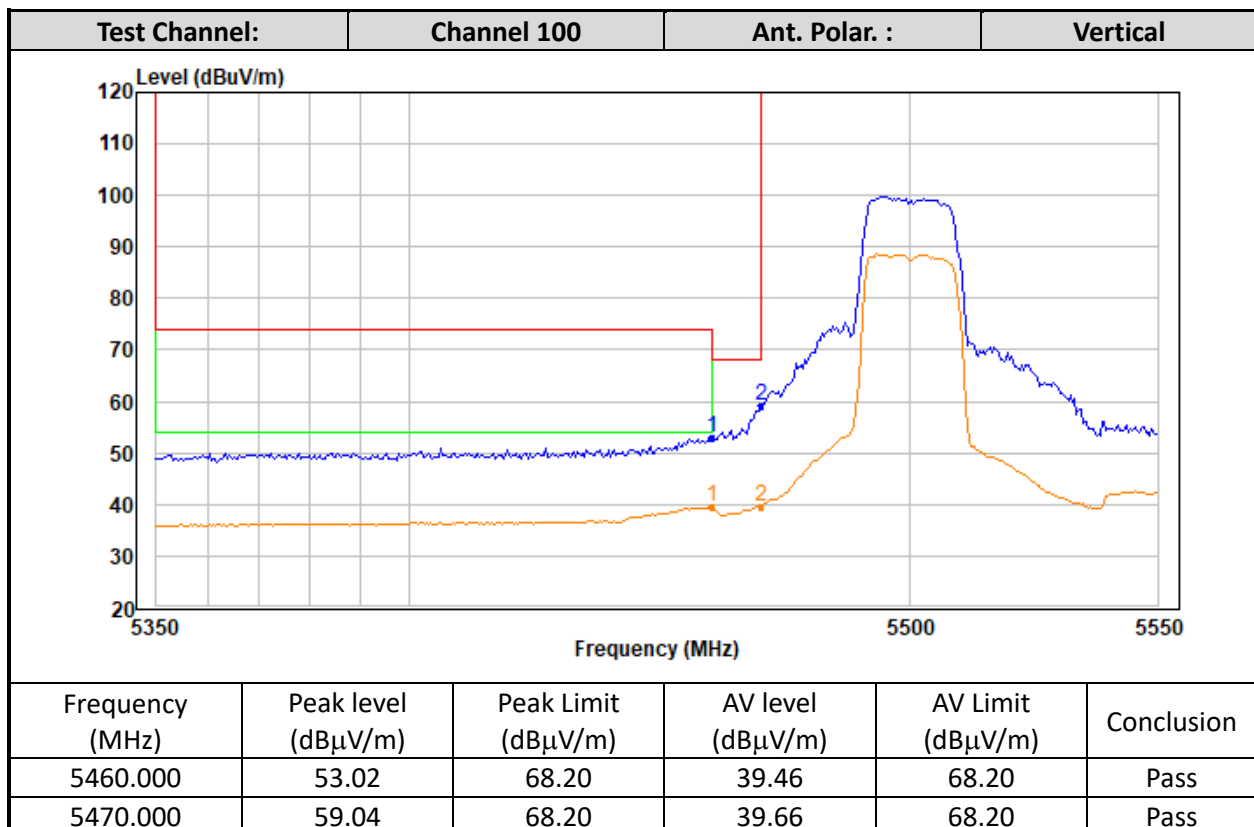
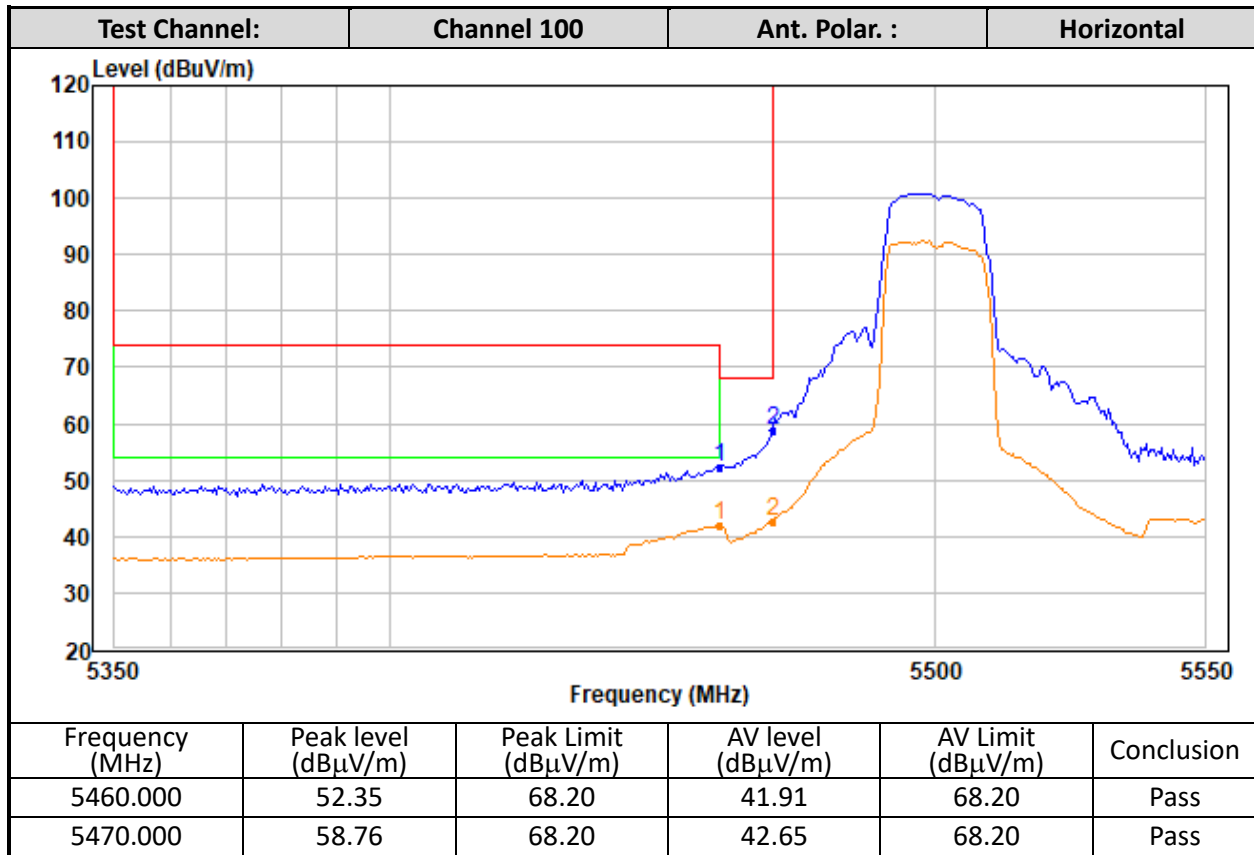
IEEE 802.11n-HT20



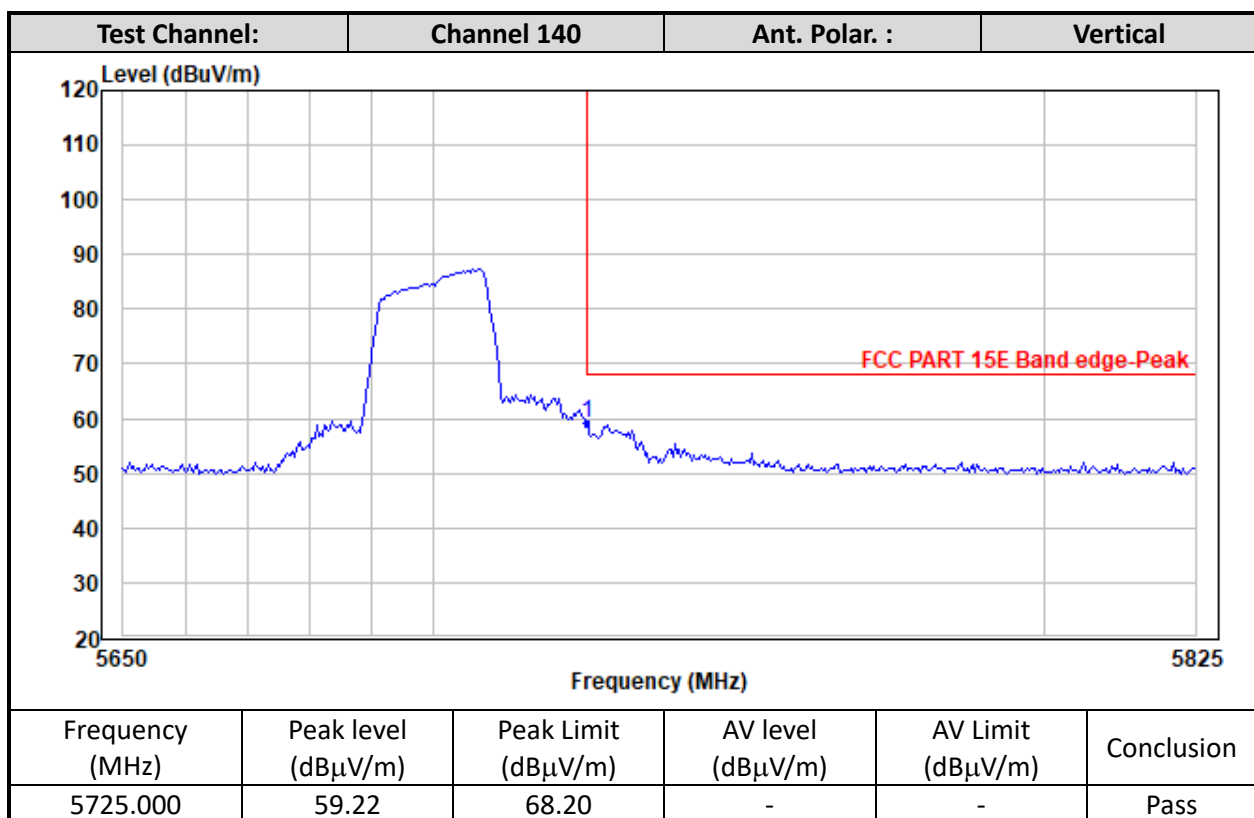
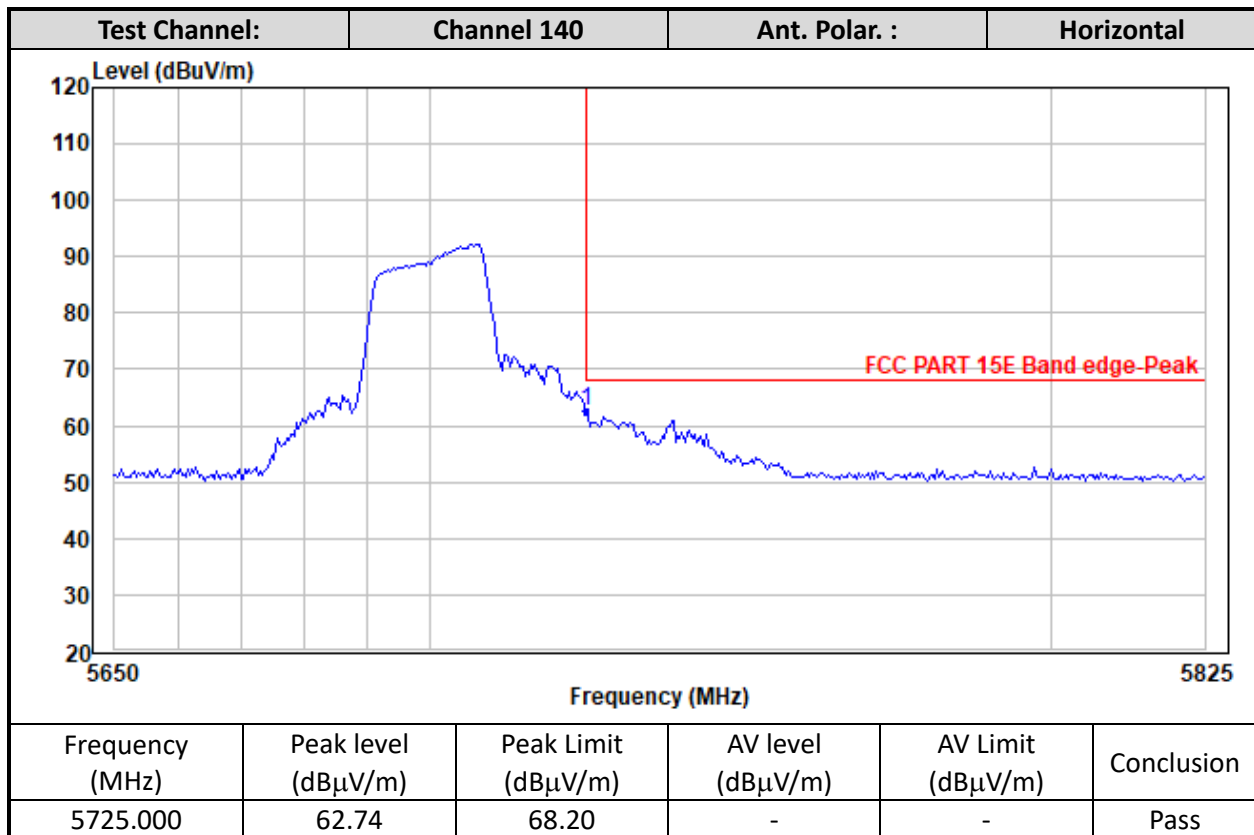
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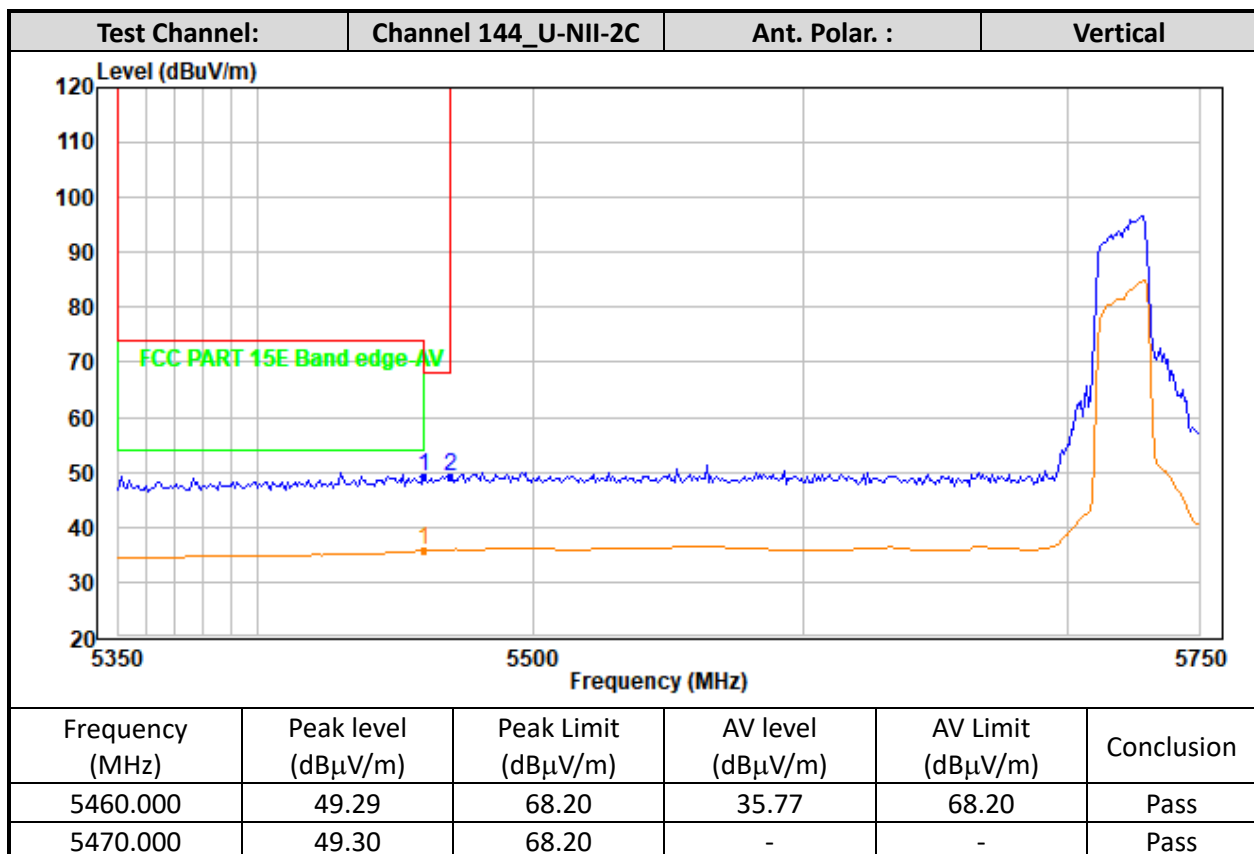
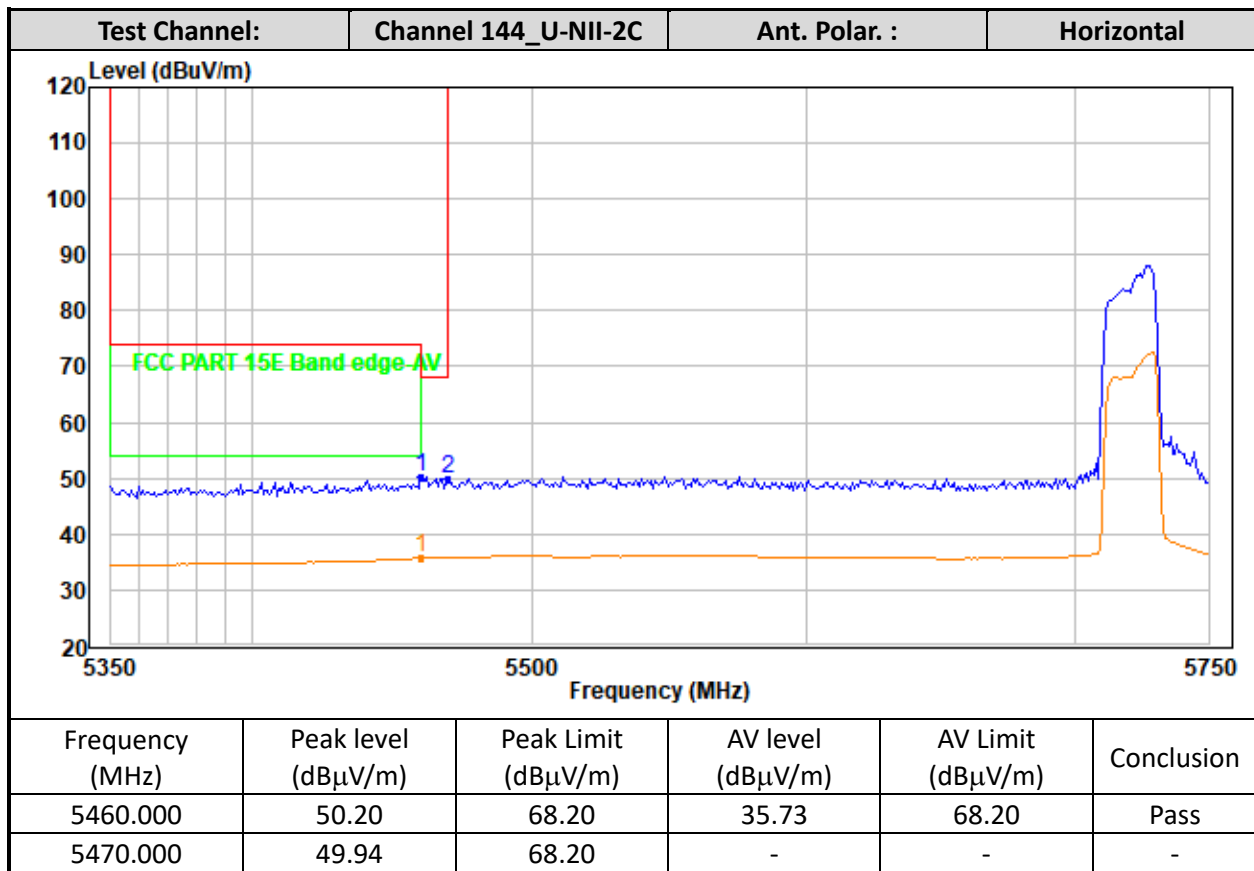
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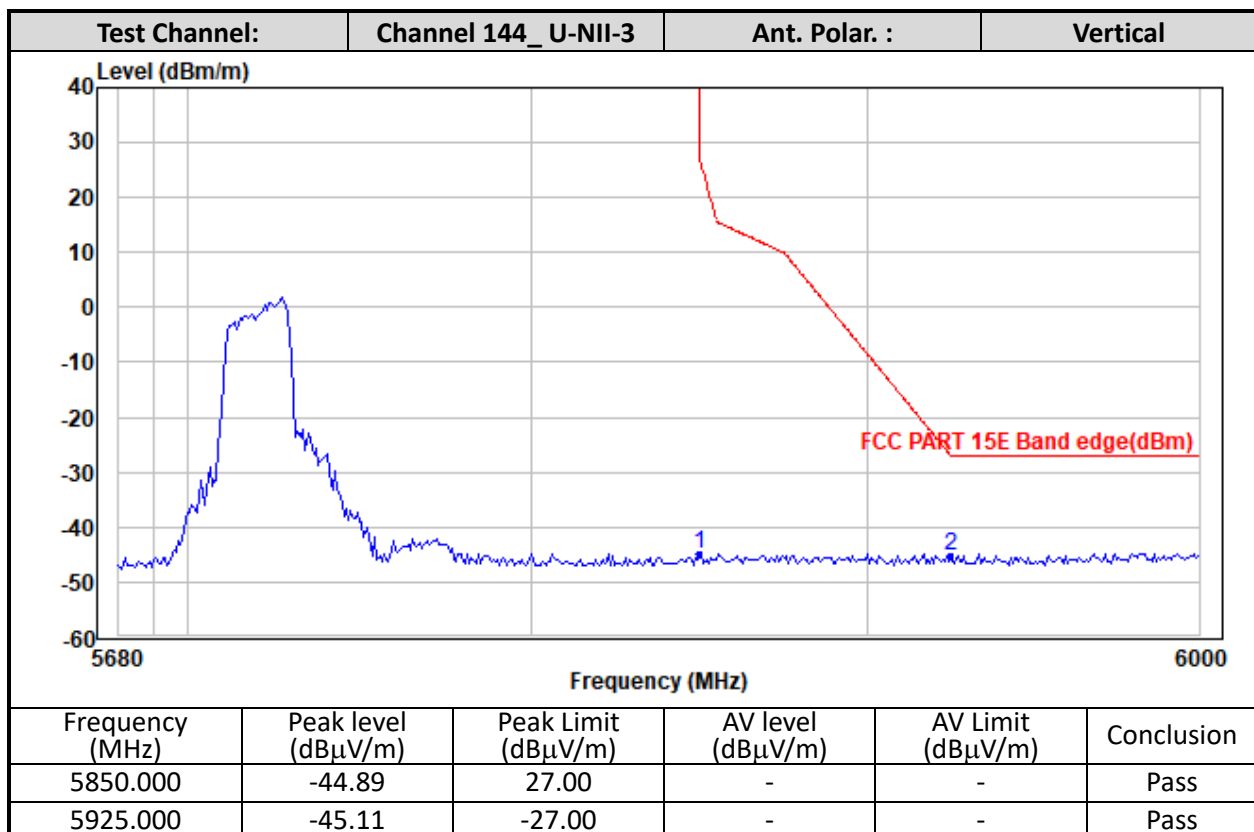
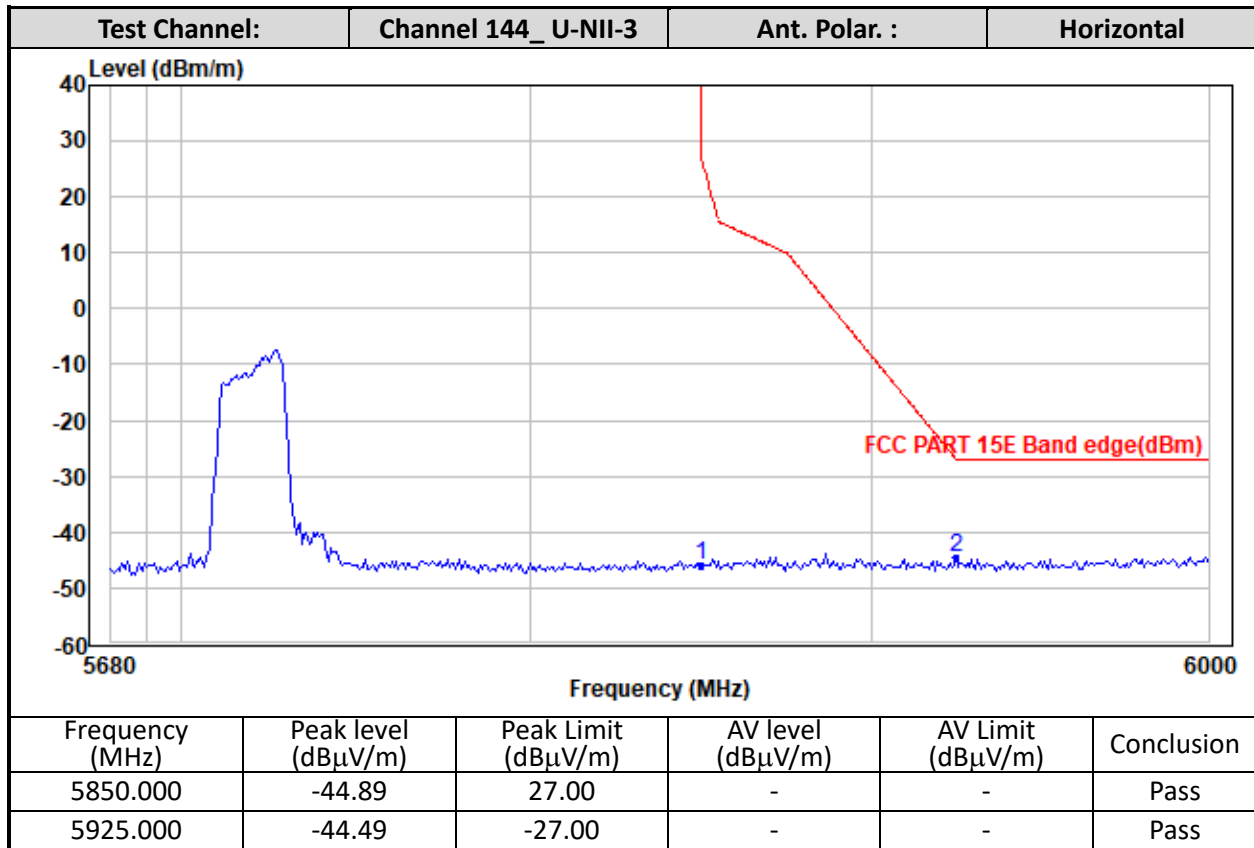
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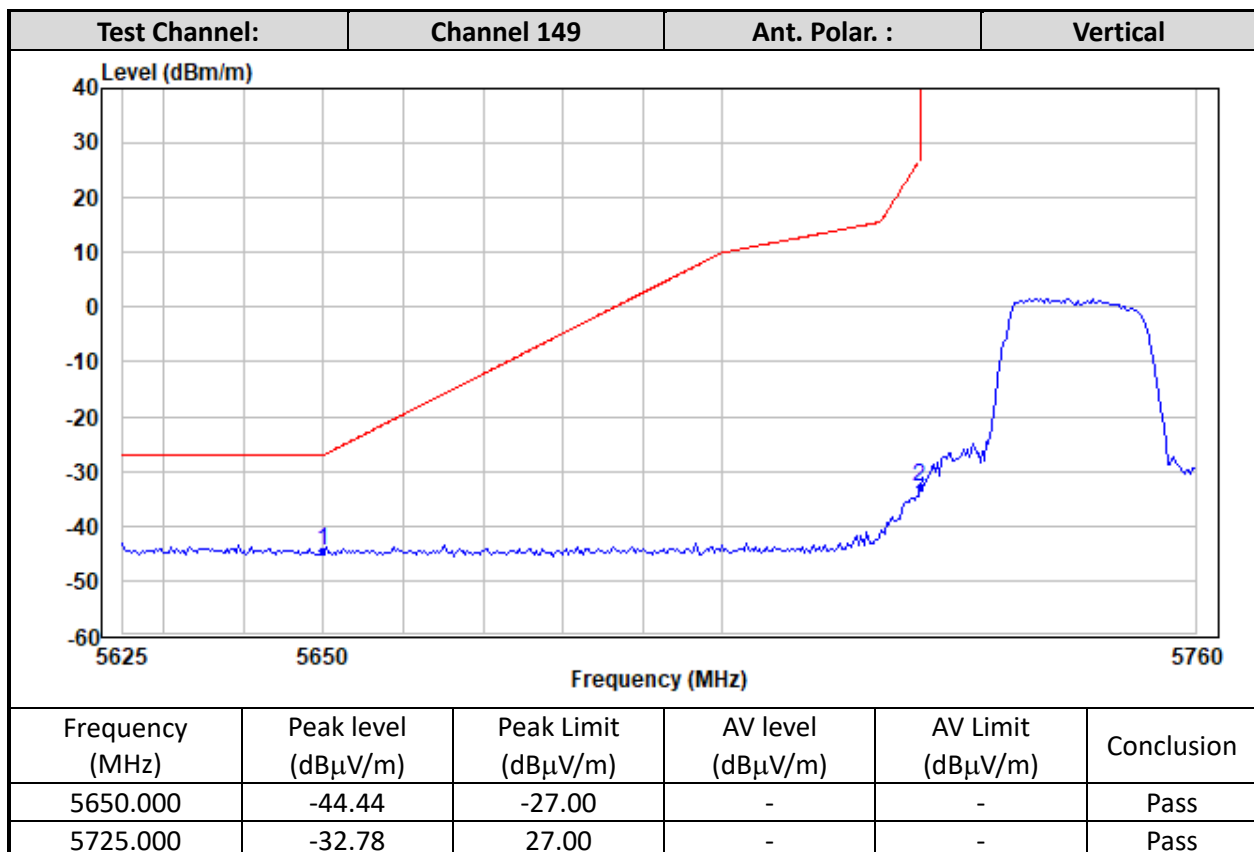
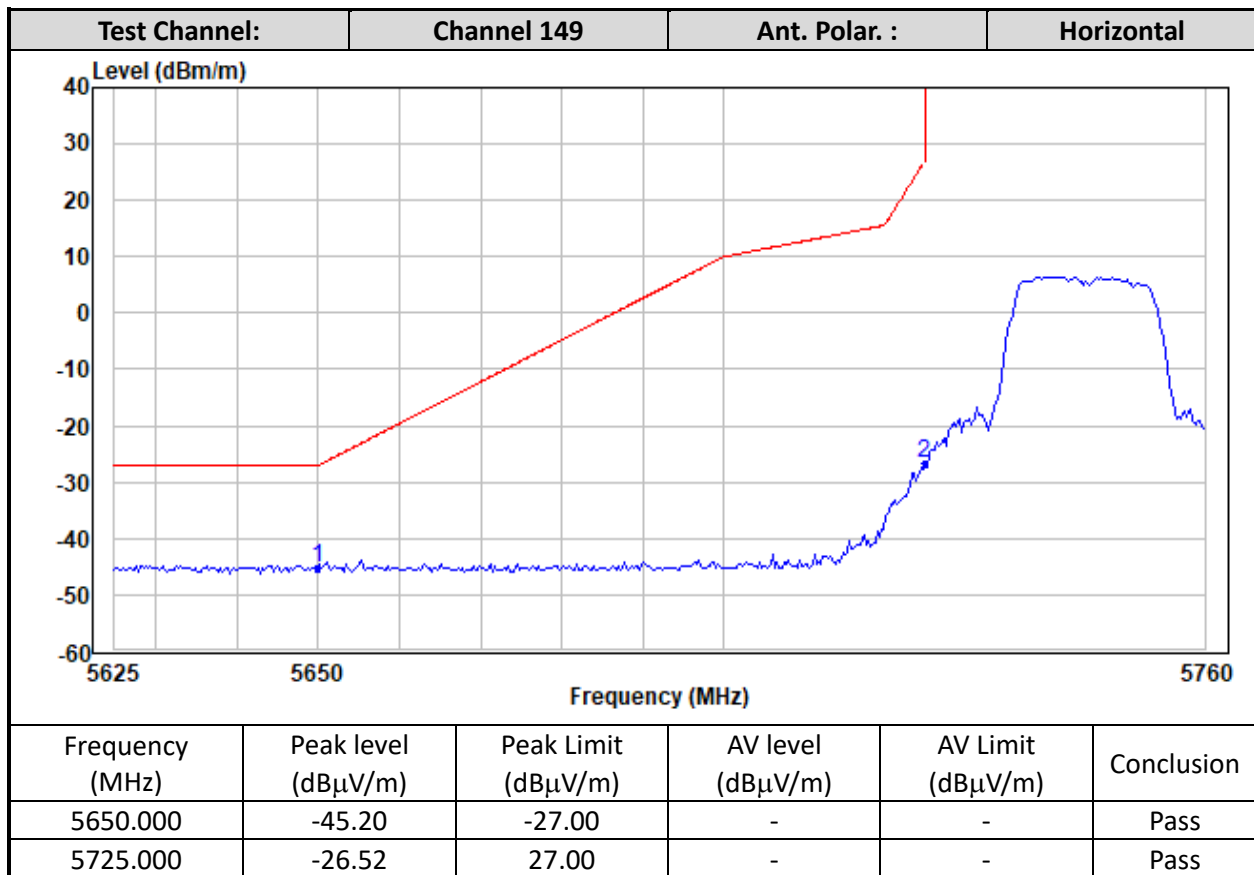
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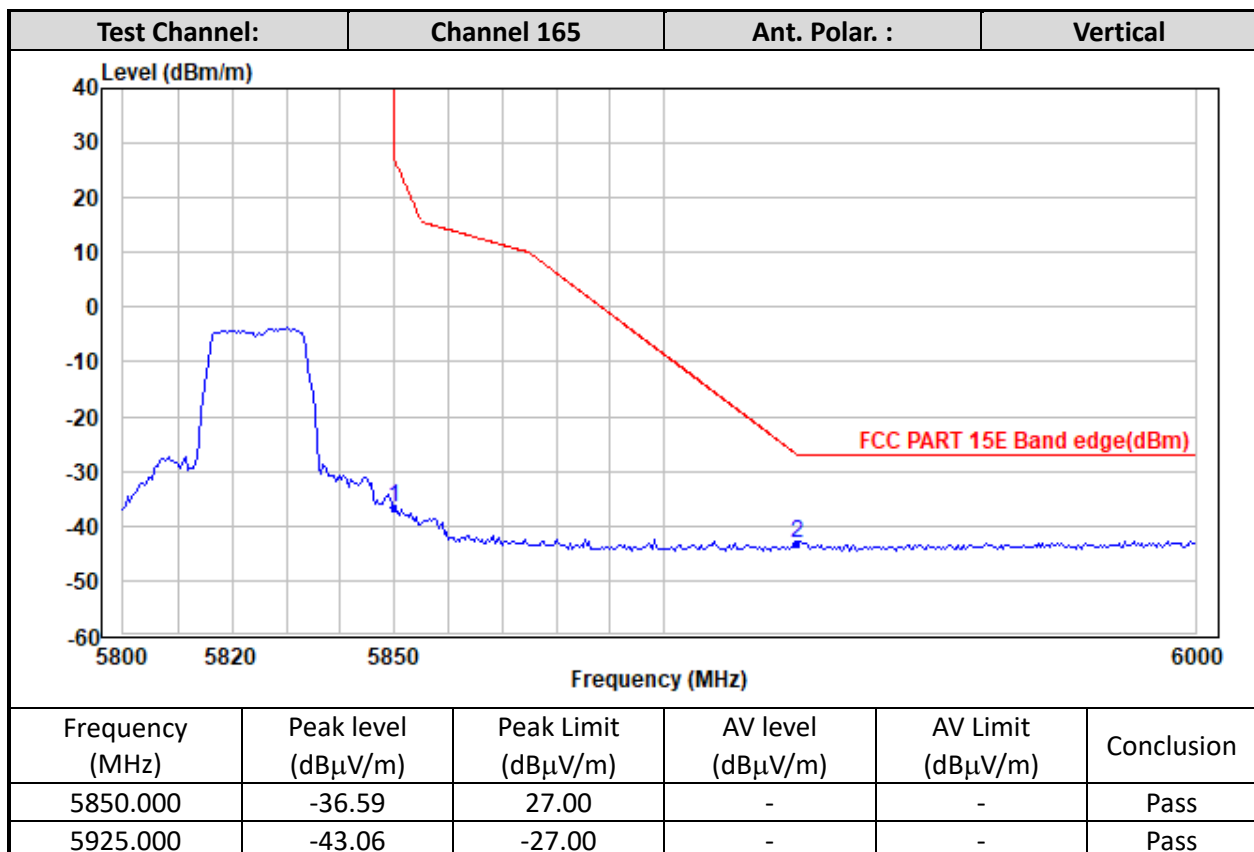
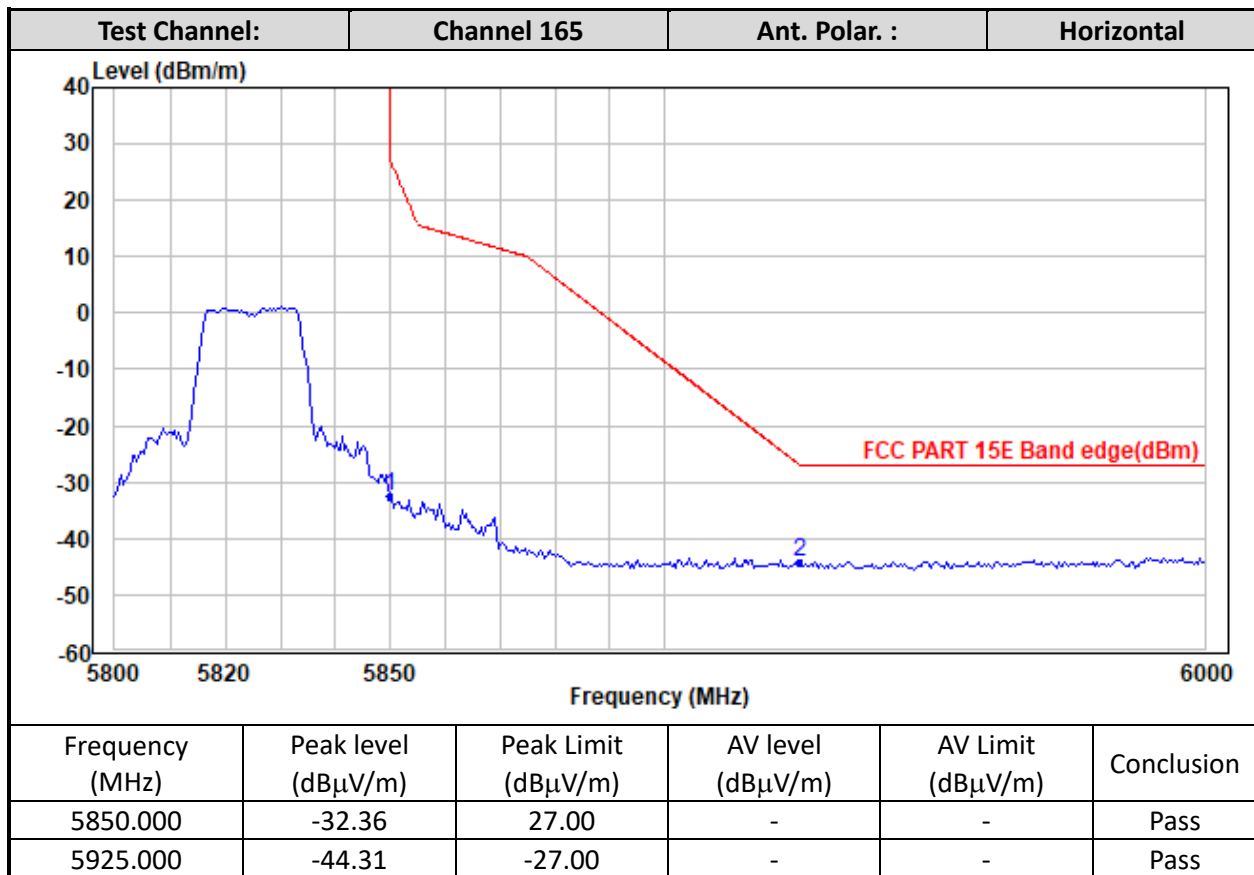
TEST REPORT



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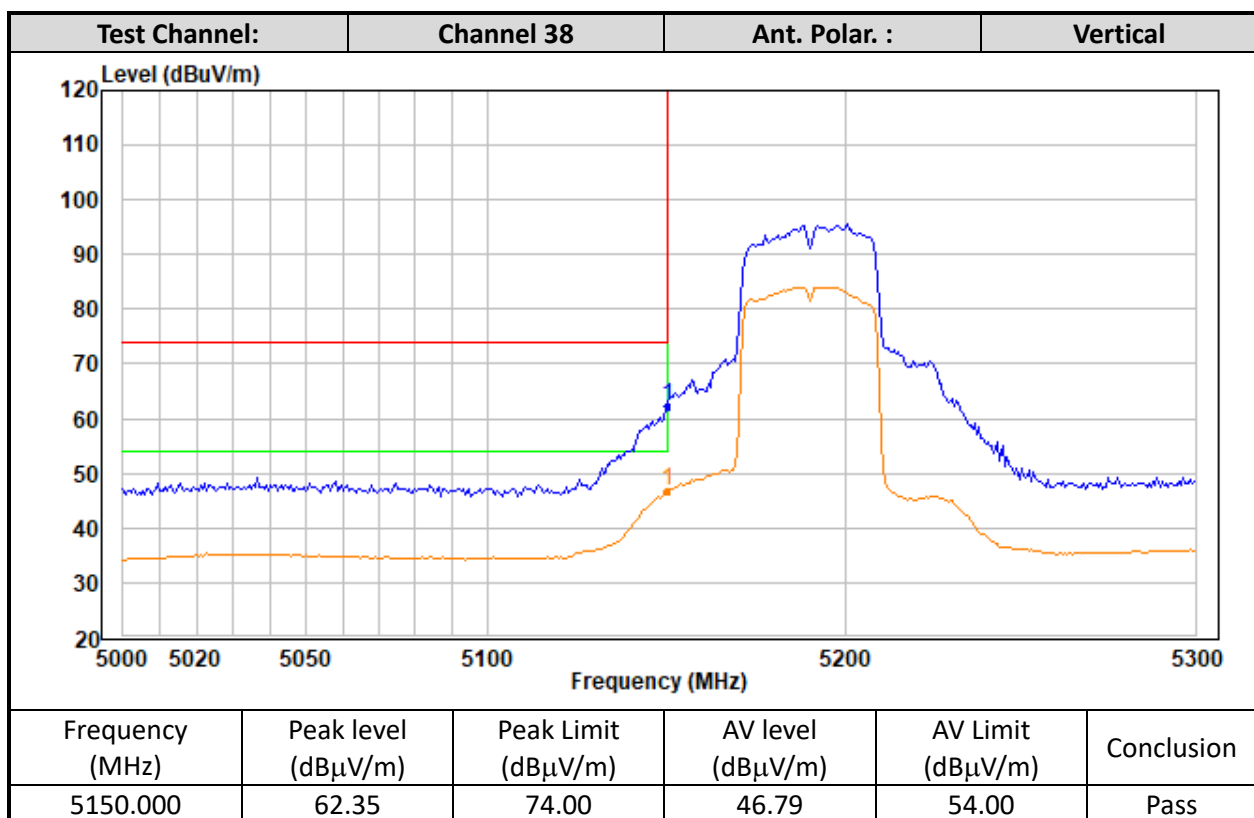
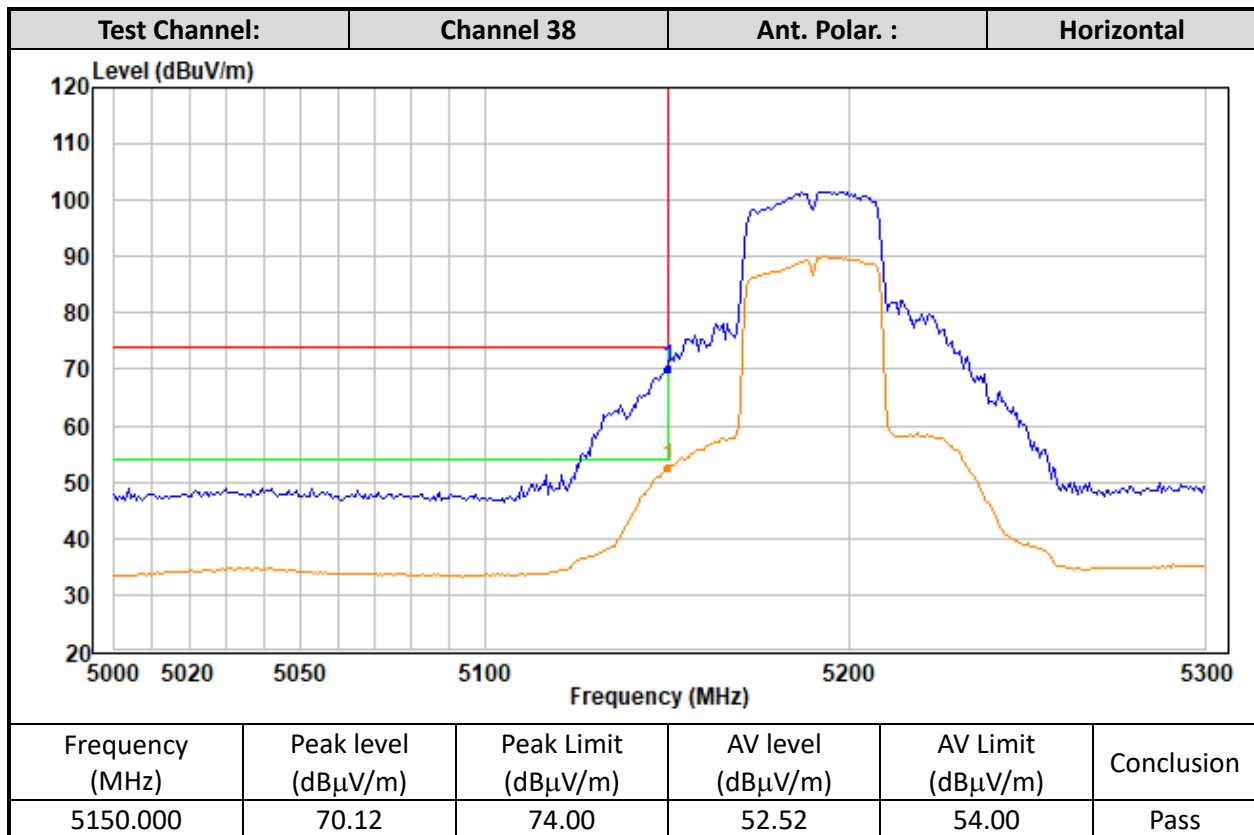


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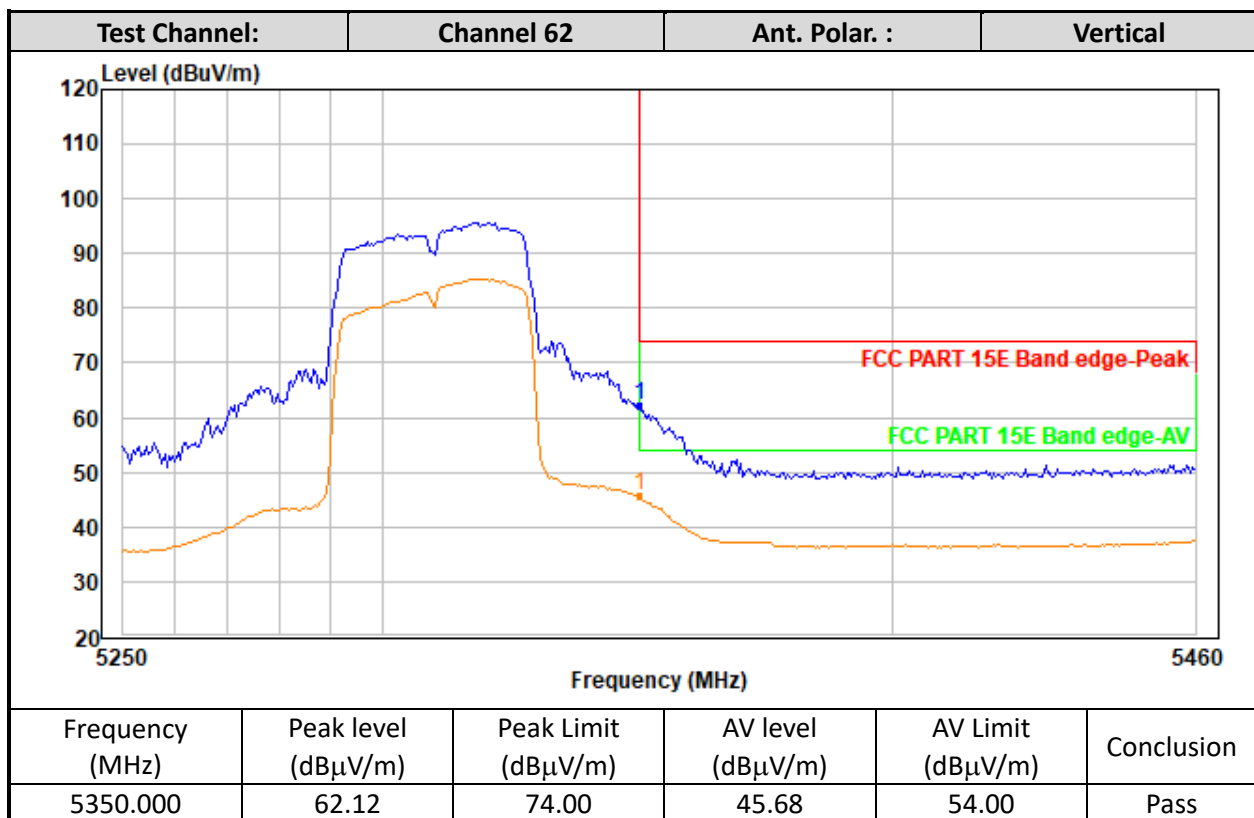
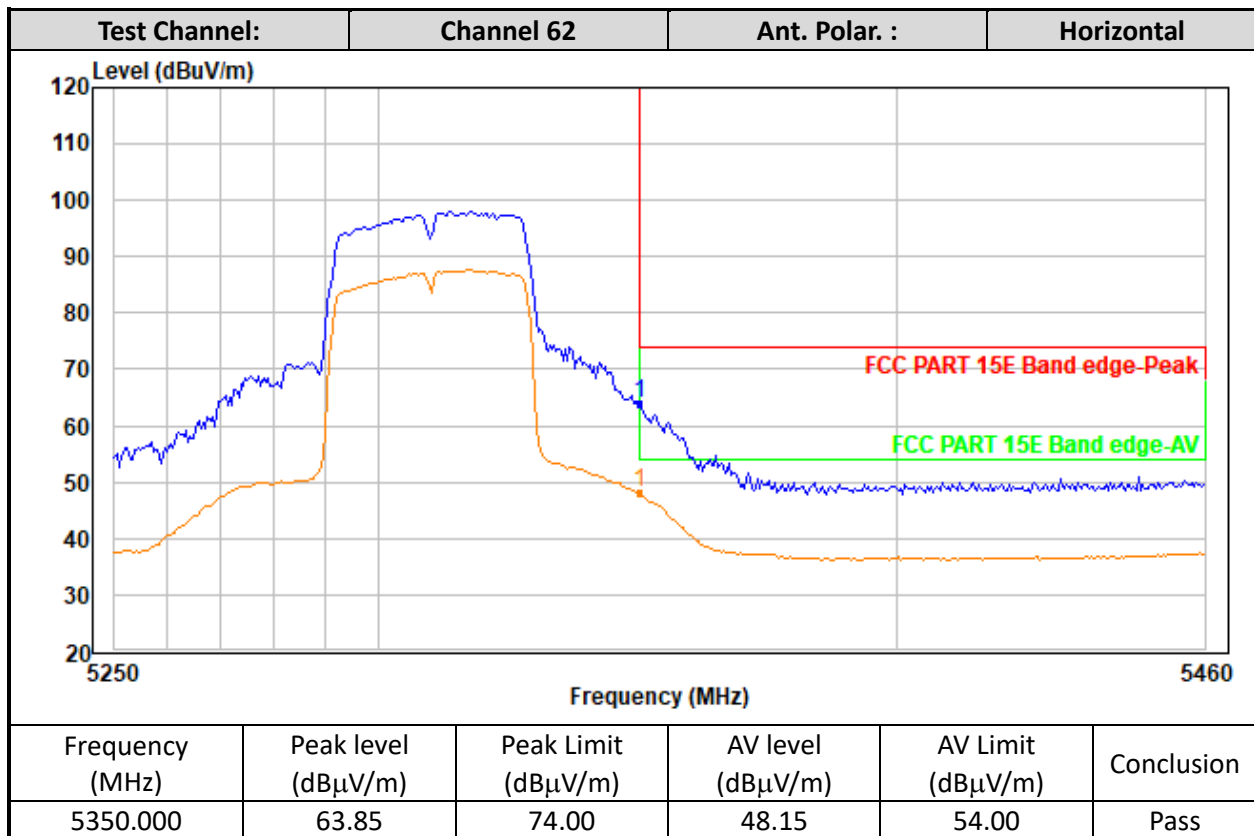


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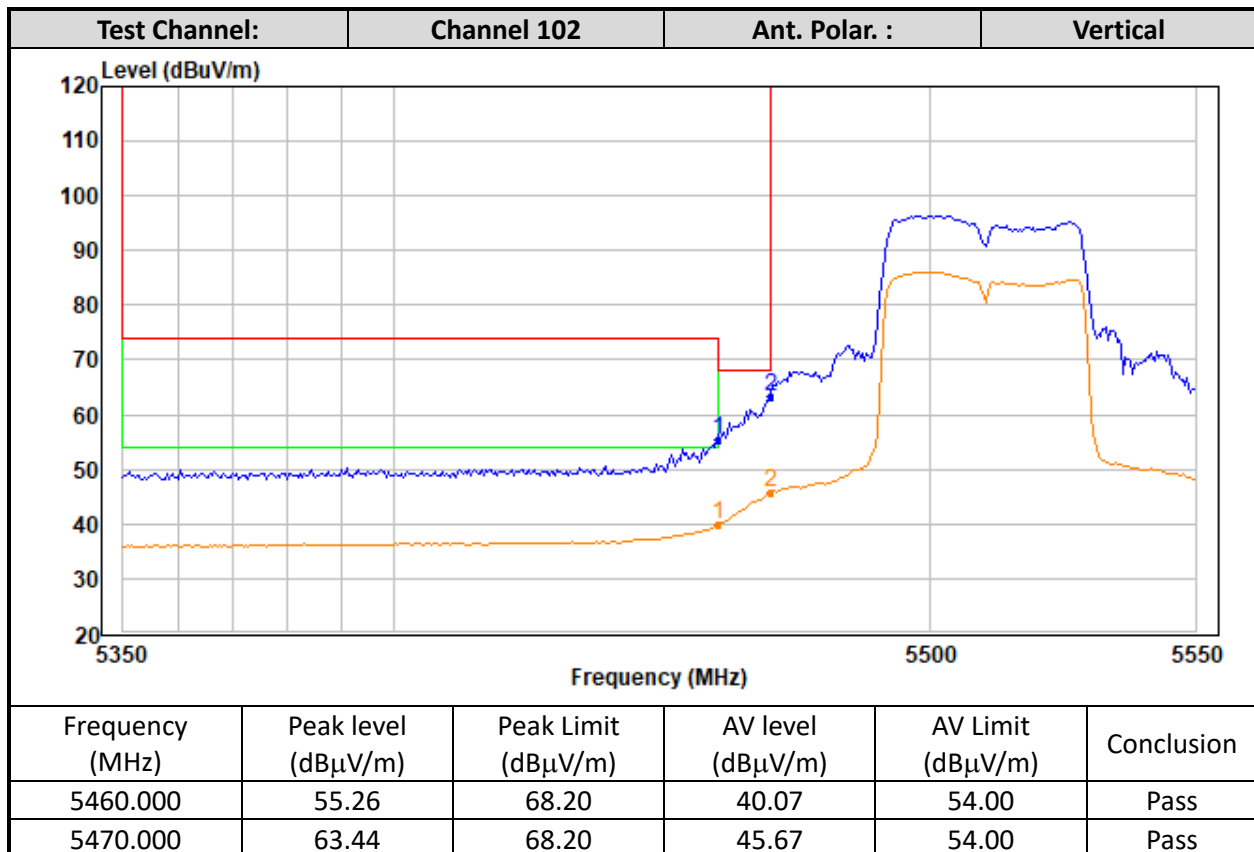
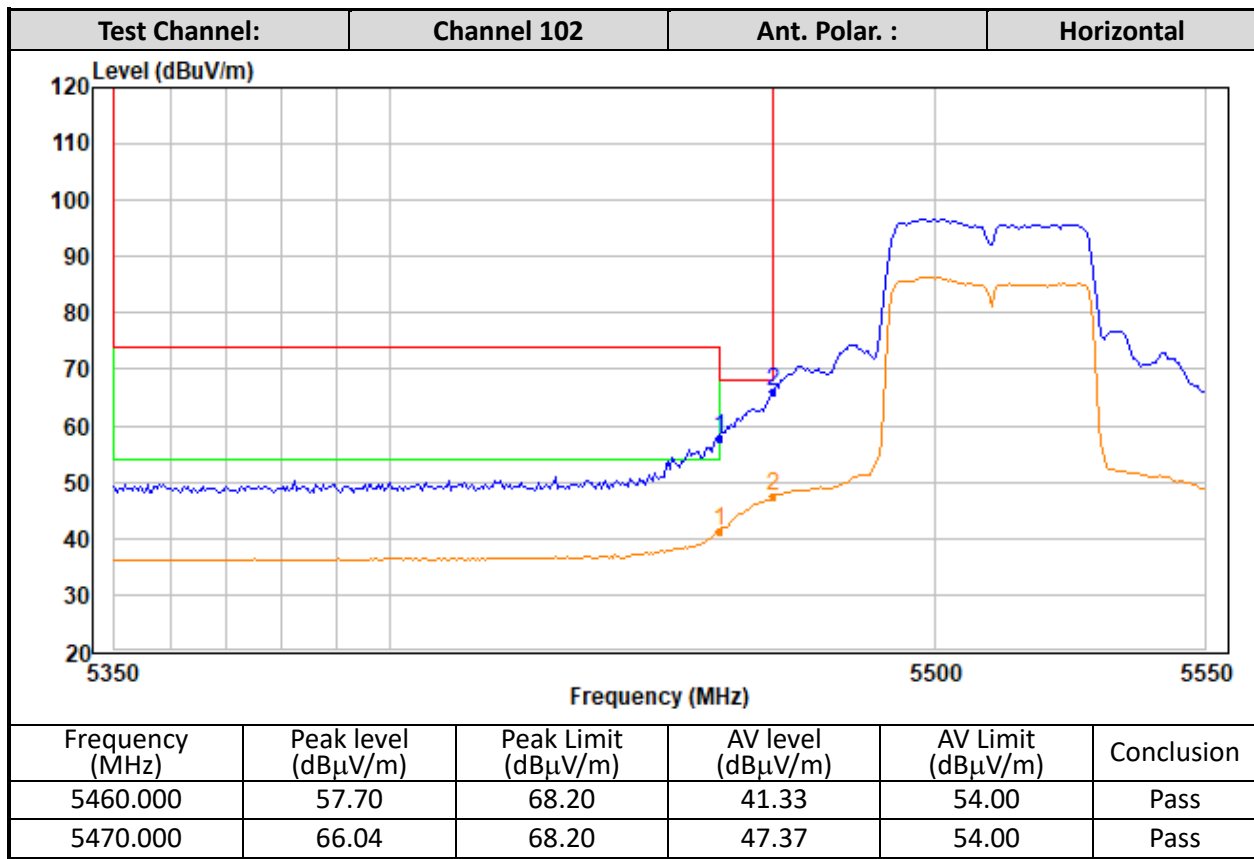
IEEE 802.11n-HT40



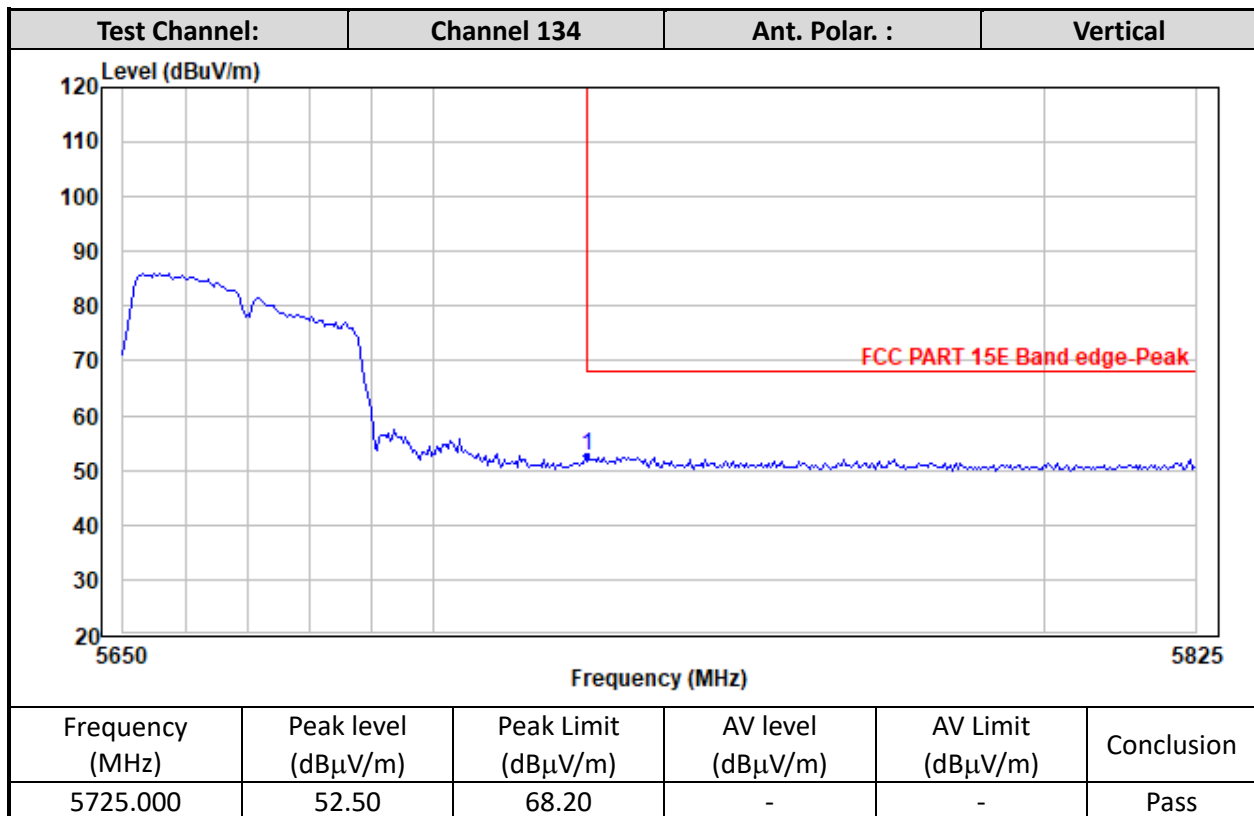
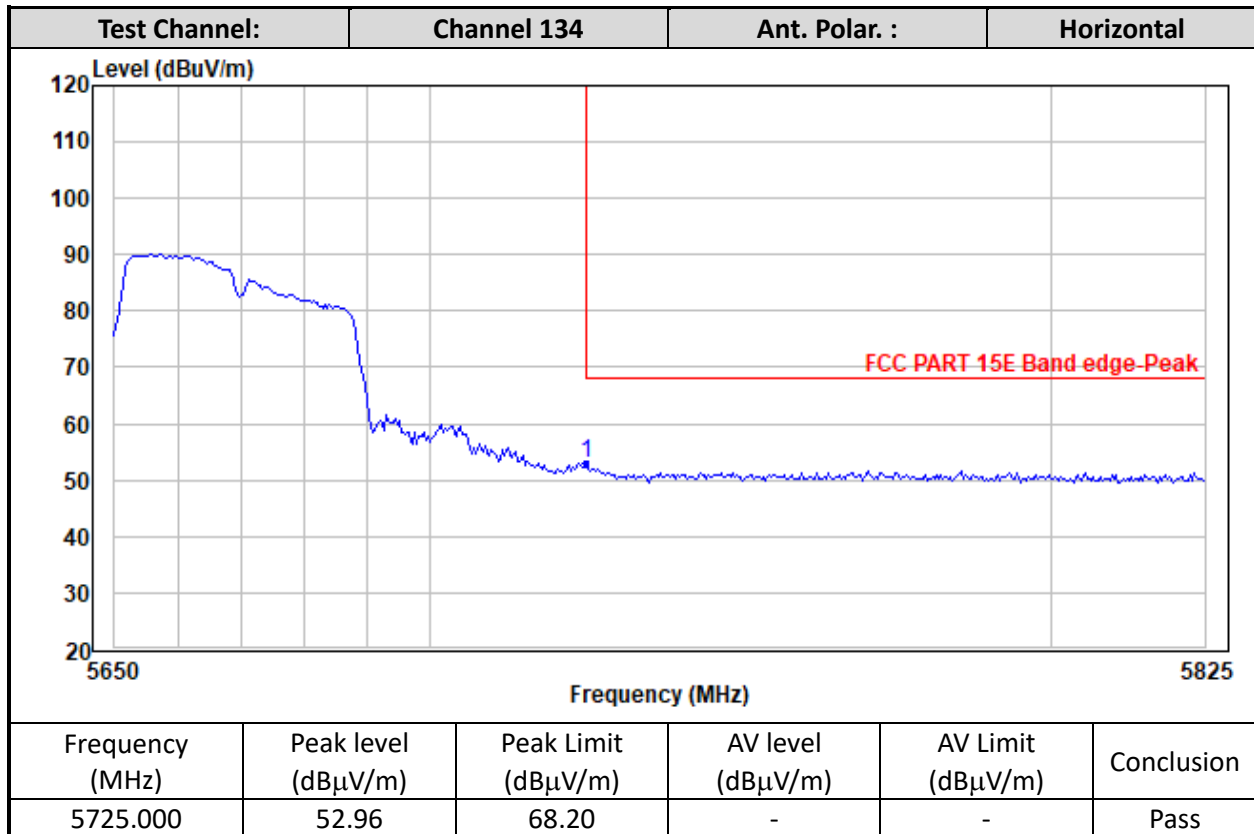
TEST REPORT



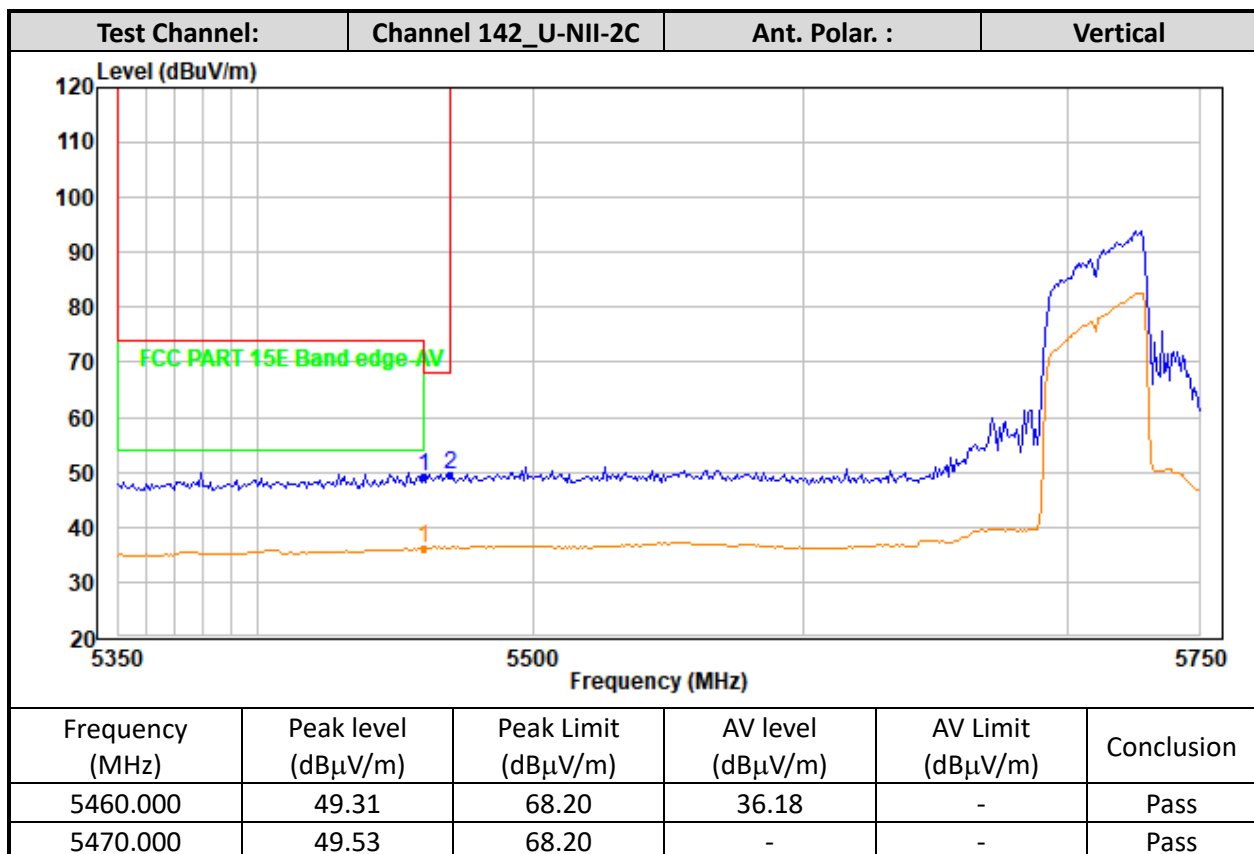
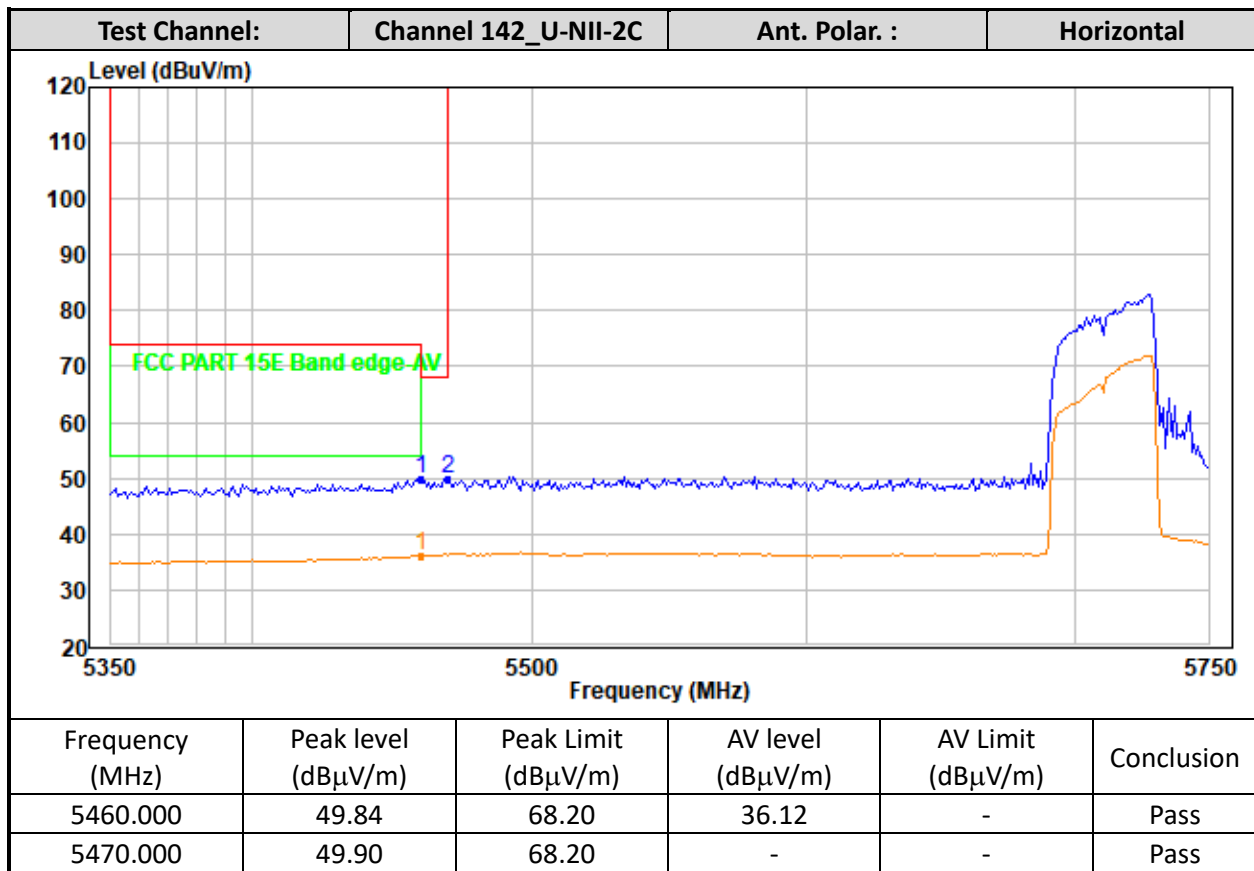
TEST REPORT



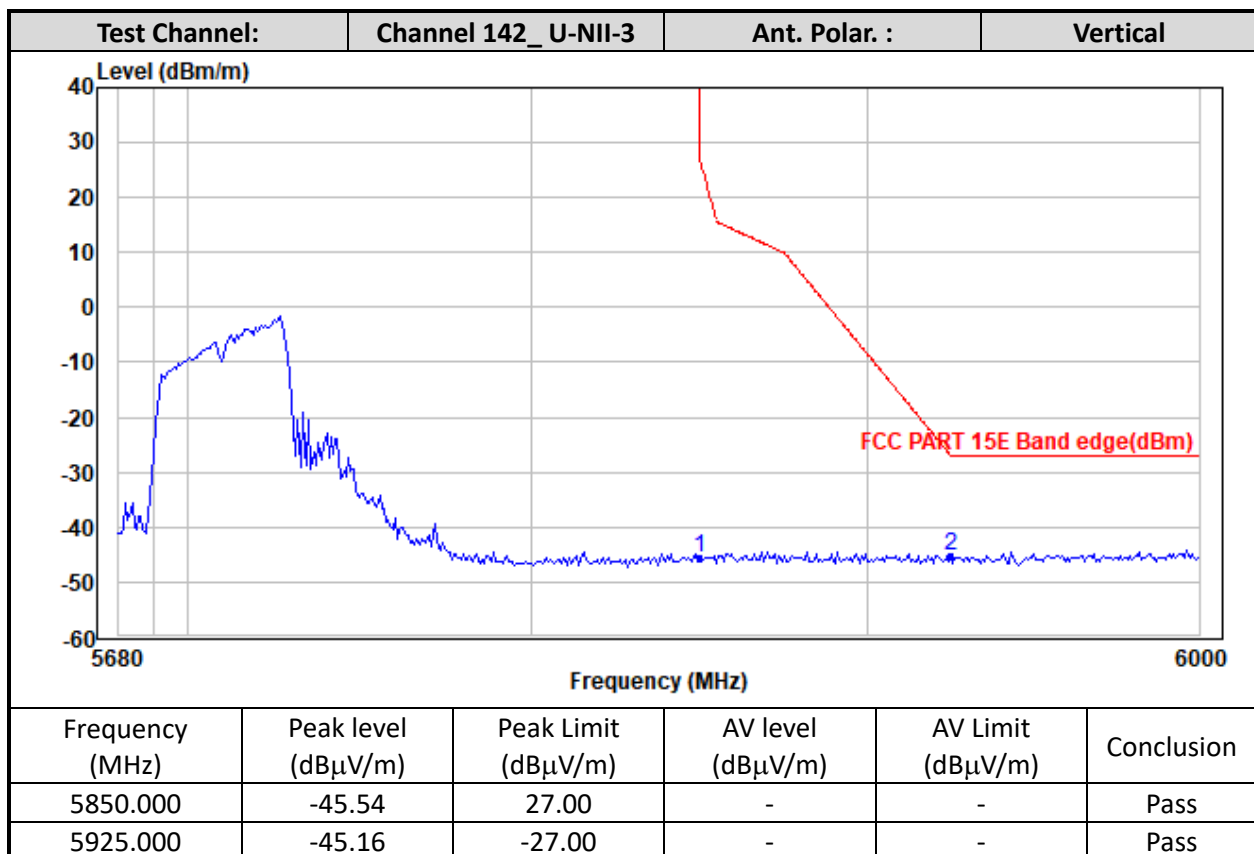
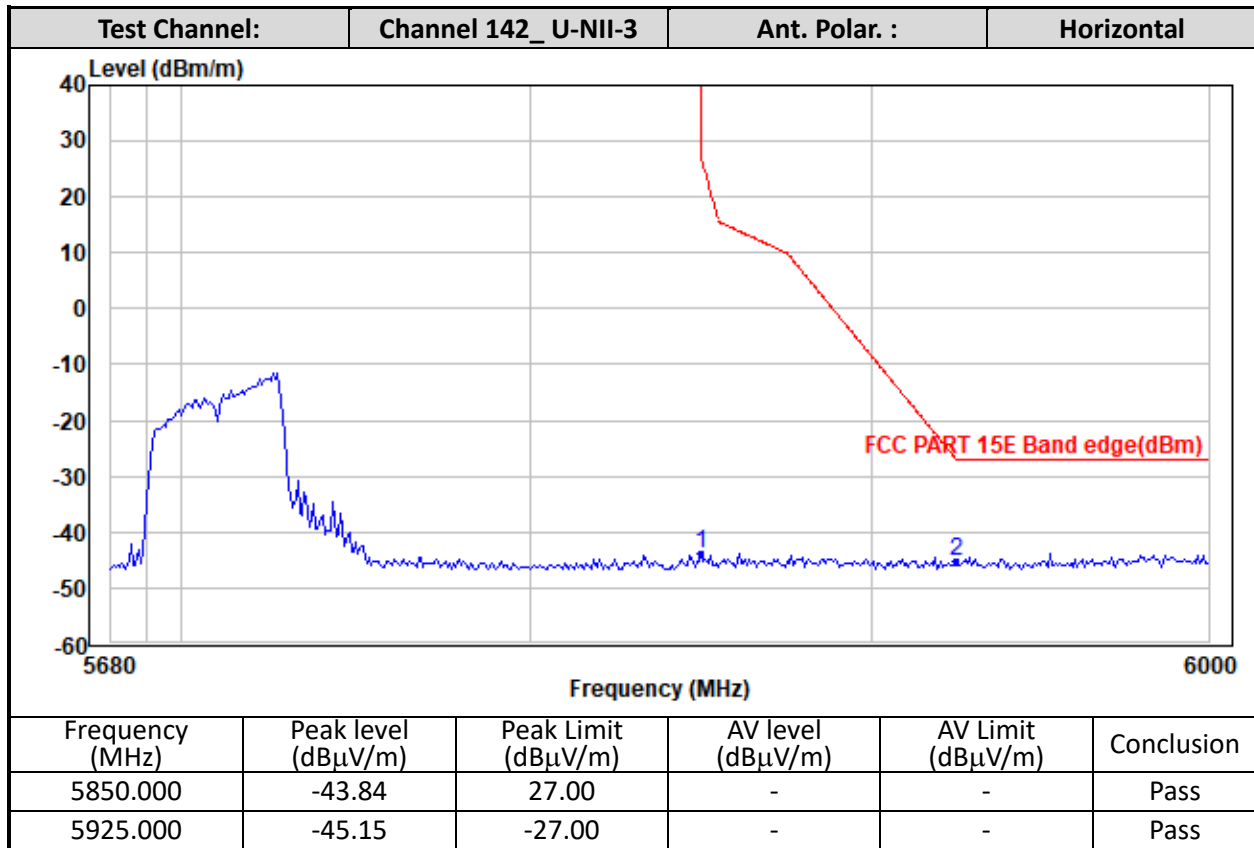
TEST REPORT



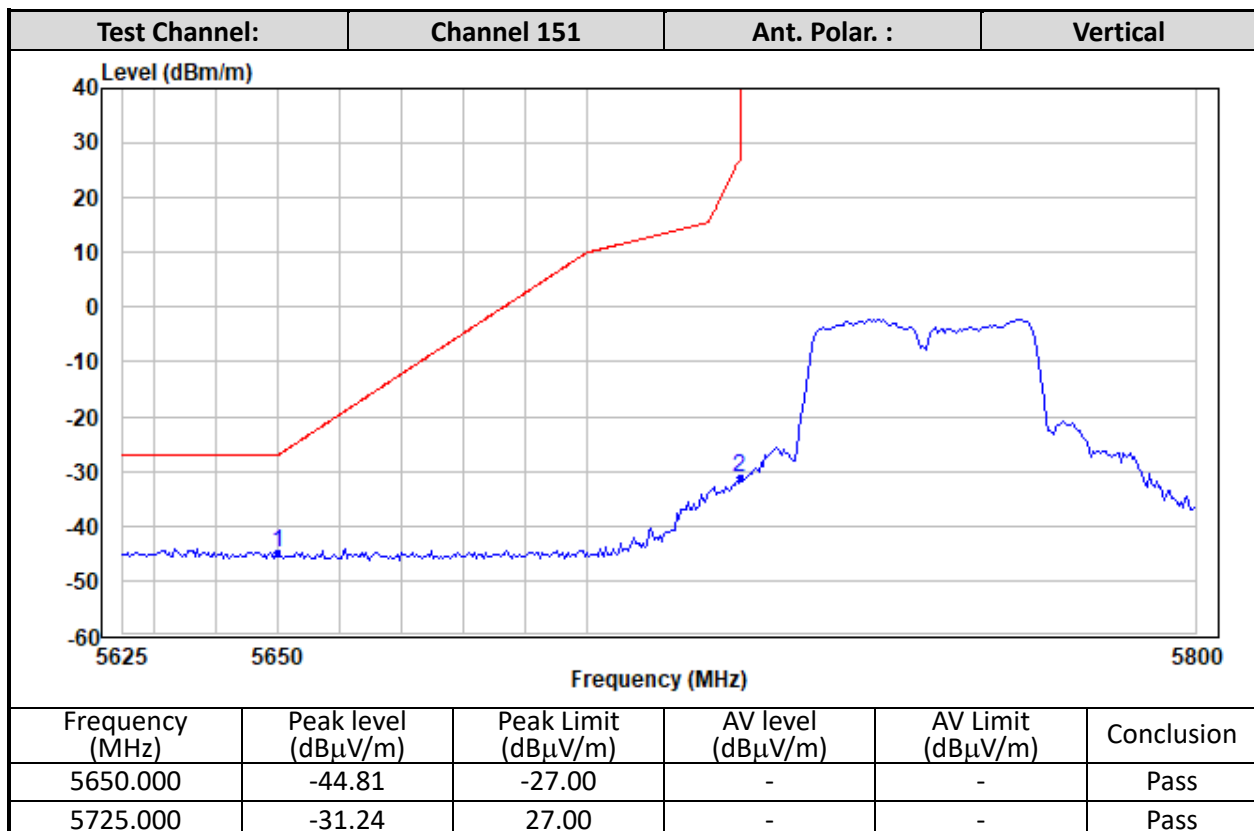
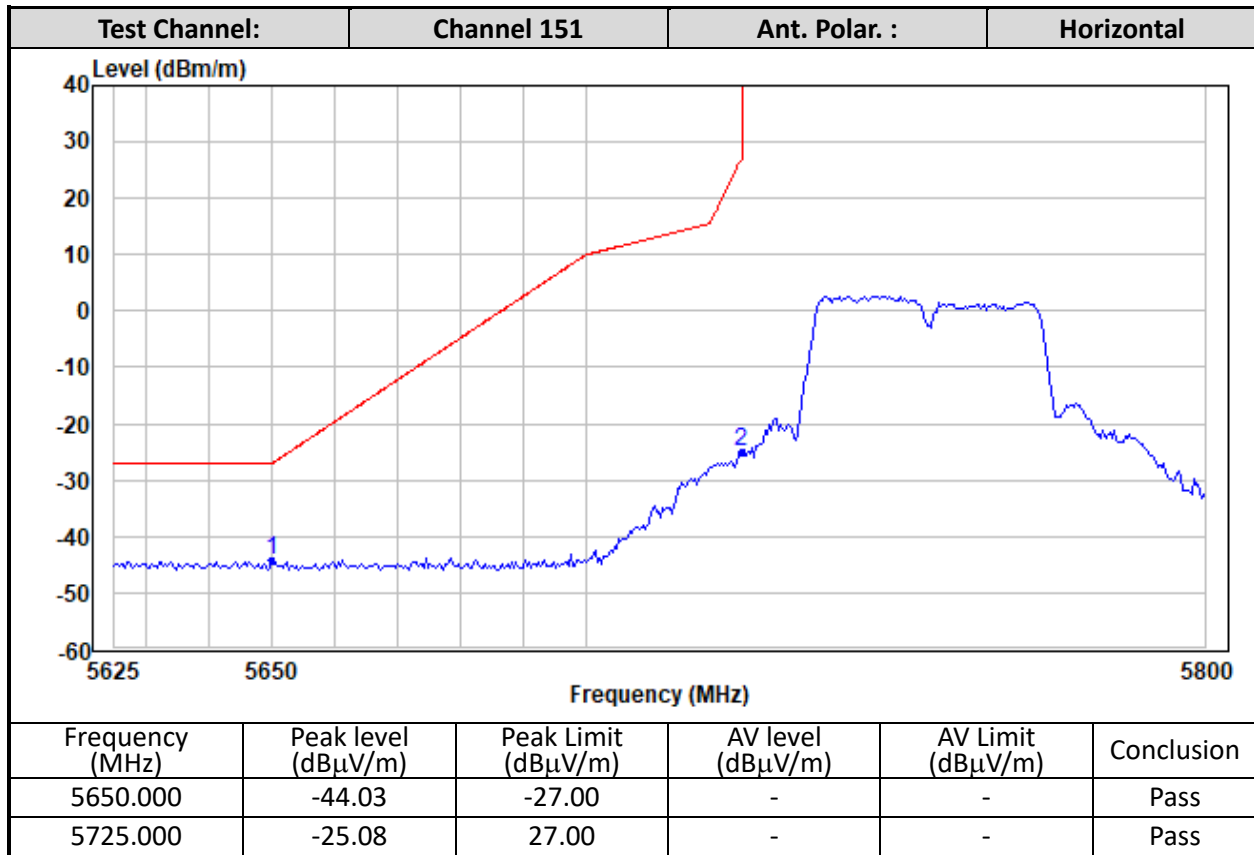
TEST REPORT



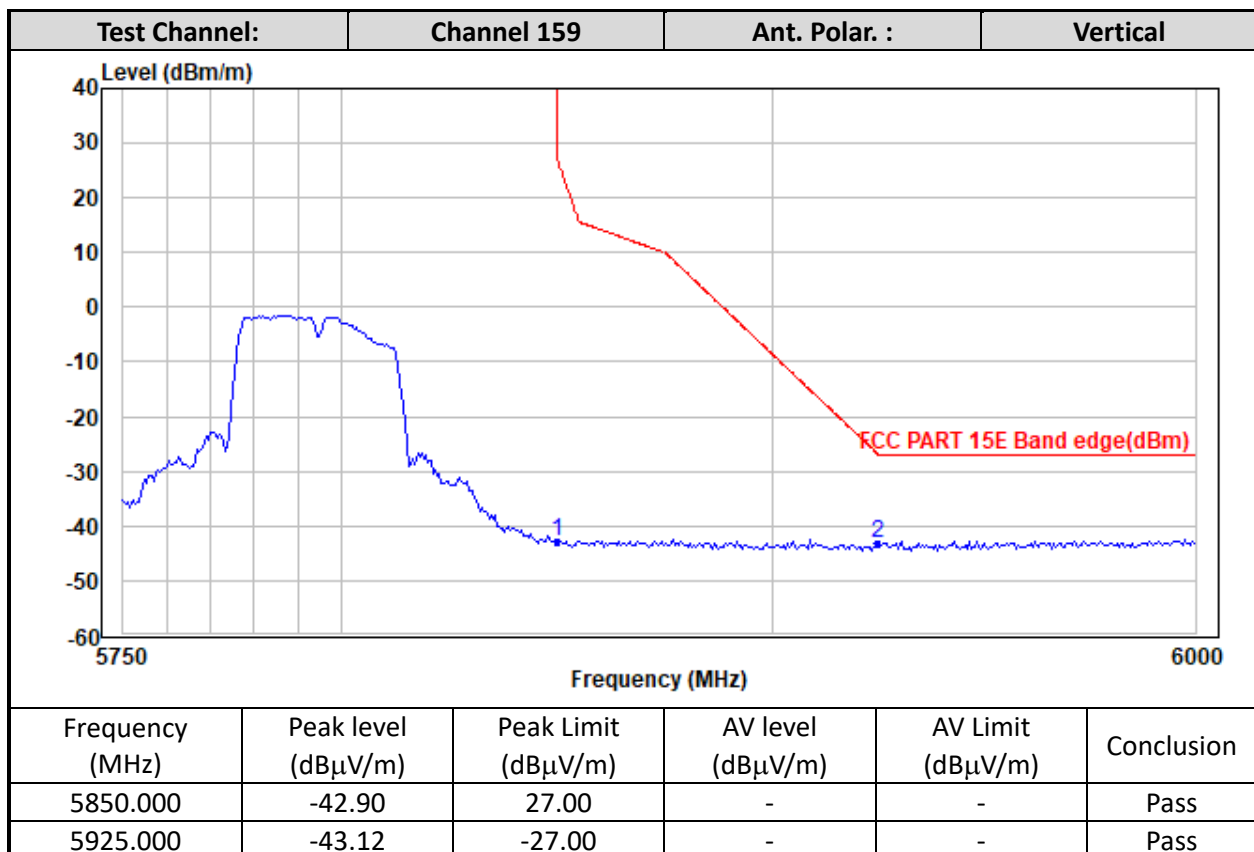
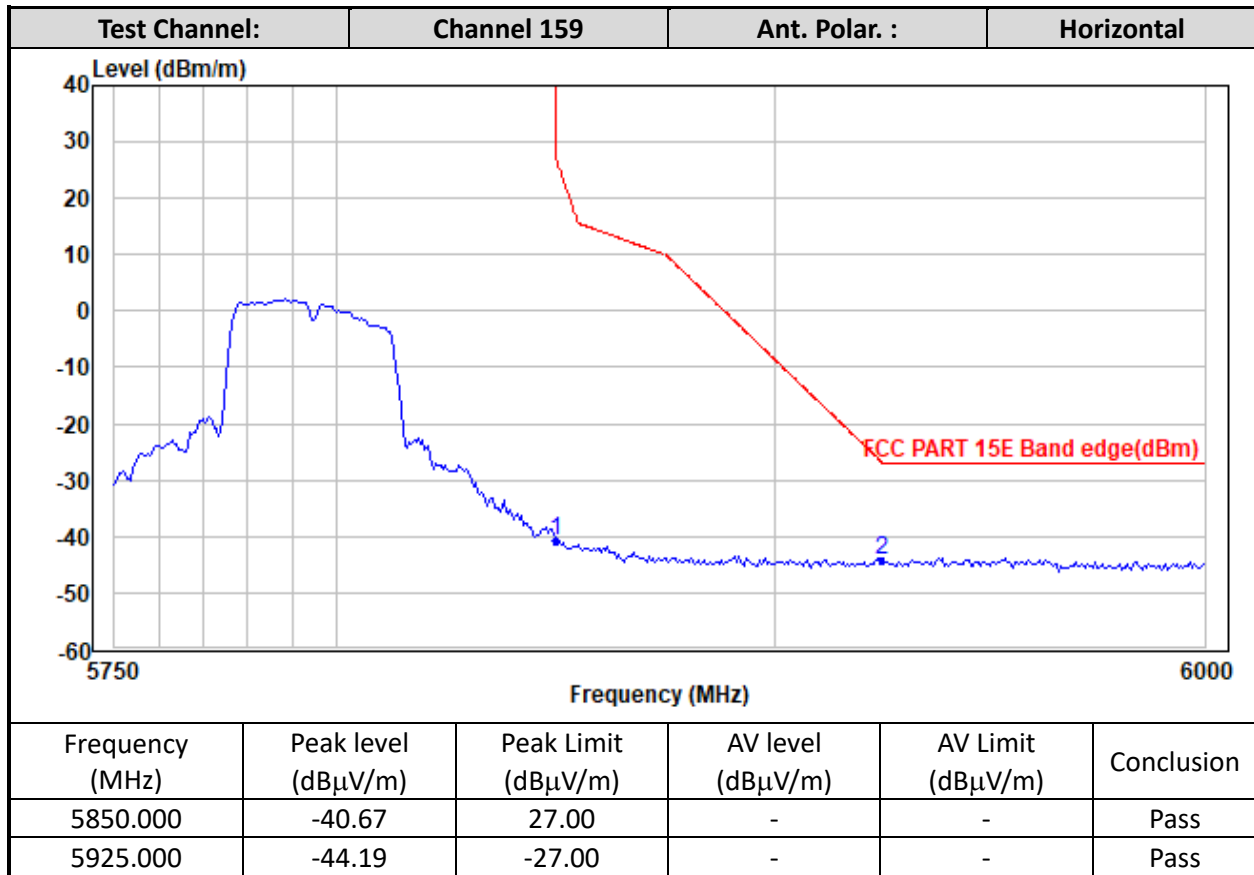
TEST REPORT



TEST REPORT



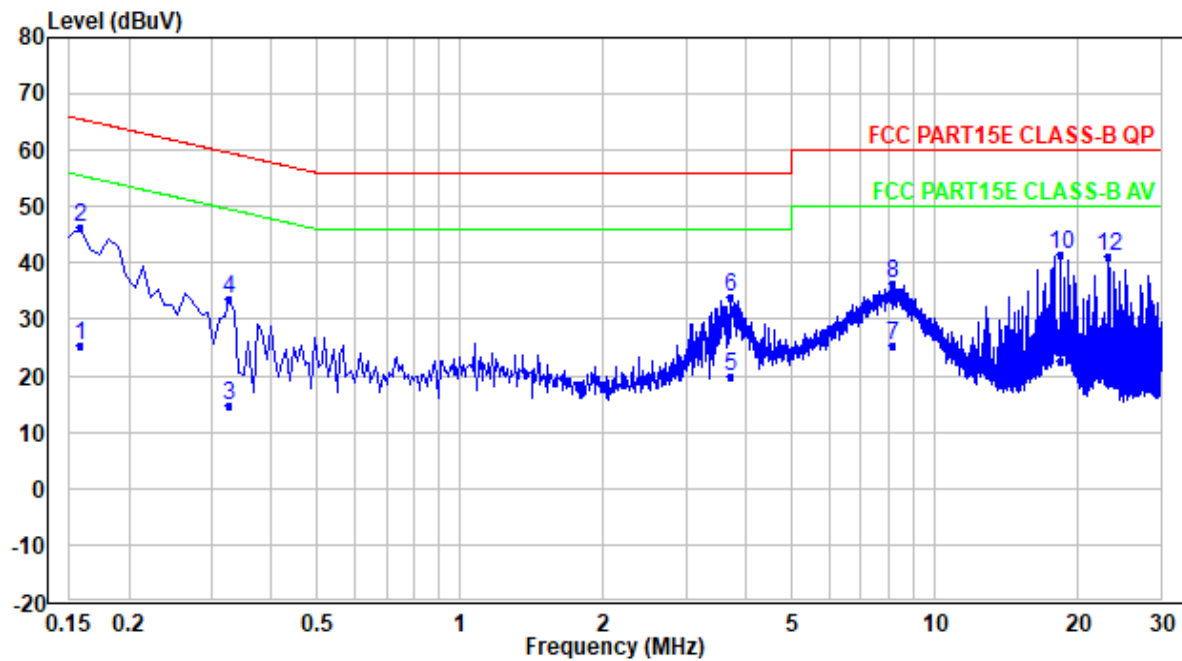
TEST REPORT



Appendix F

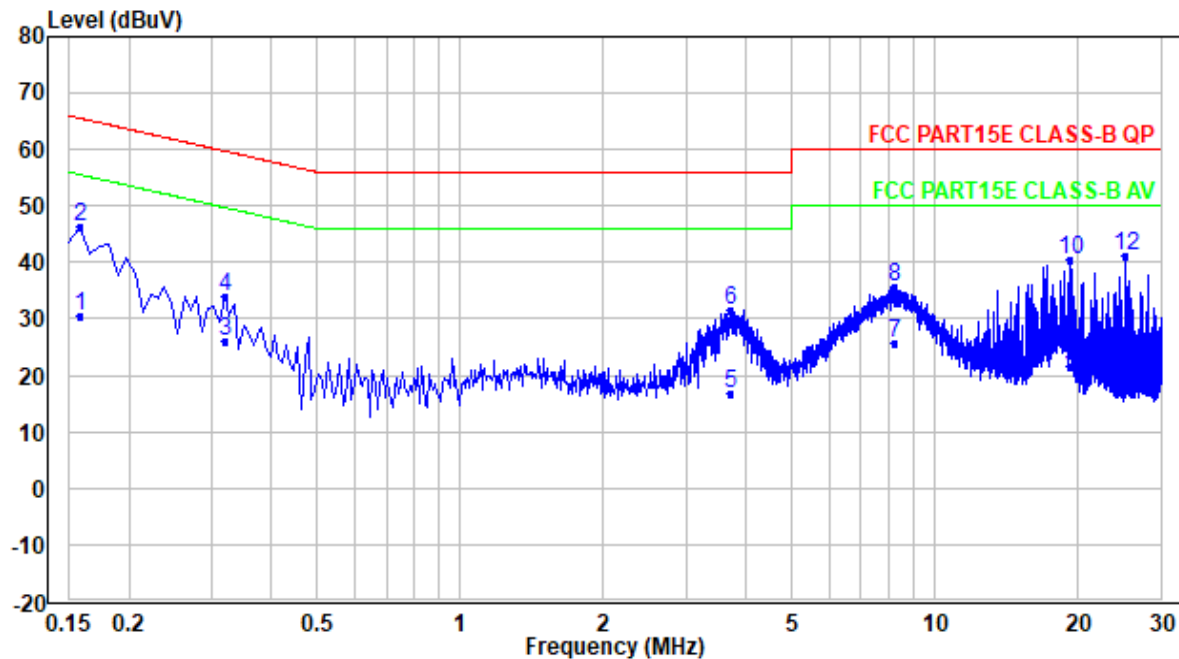
Mode: WIFI Link

Live Line



No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.158	15.33	10.03	25.36	55.57	-30.21	Average
2	0.158	36.33	10.03	46.36	65.57	-19.21	QP
3	0.326	4.57	10.03	14.60	49.55	-34.95	Average
4	0.326	23.57	10.03	33.60	59.55	-25.95	QP
5	3.717	9.60	10.25	19.85	46.00	-26.15	Average
6	3.717	23.60	10.25	33.85	56.00	-22.15	QP
7	8.188	14.99	10.48	25.47	50.00	-24.53	Average
8	8.188	25.99	10.48	36.47	60.00	-23.53	QP
9	18.498	11.52	11.15	22.67	50.00	-27.33	Average
10	18.498	30.52	11.15	41.67	60.00	-18.33	QP
11	23.321	9.69	11.38	21.07	50.00	-28.93	Average
12	23.321	29.69	11.38	41.07	60.00	-18.93	QP

Neutral Line



No.	Frequency (MHz)	Reading (dBμV)	Correction factor (dB)	Result (dBμV)	Limit (dBμV)	Margin (dB)	Detector
1	0.158	20.33	10.02	30.35	55.57	-25.22	Average
2	0.158	36.33	10.02	46.35	65.57	-19.22	QP
3	0.318	15.94	10.01	25.95	49.76	-23.81	Average
4	0.318	23.94	10.01	33.95	59.76	-25.81	QP
5	3.725	6.38	10.24	16.62	46.00	-29.38	Average
6	3.725	21.38	10.24	31.62	56.00	-24.38	QP
7	8.228	15.41	10.43	25.84	50.00	-24.16	Average
8	8.228	25.41	10.43	35.84	60.00	-24.16	QP
9	19.354	10.35	11.11	21.46	50.00	-28.54	Average
10	19.354	29.35	11.11	40.46	60.00	-19.54	QP
11	25.337	7.87	11.38	19.25	50.00	-30.75	Average
12	25.337	29.87	11.38	41.25	60.00	-18.75	QP

Remark: 1. Factor = LISN Factor + Cable Loss, the value was added to Original Receiver Reading by the software automatically.

2. Level = Reading + Factor

3. Margin = Limit - Level

4. If the PK Corrected Reading is lower than AV limit, the AV test can be elided.

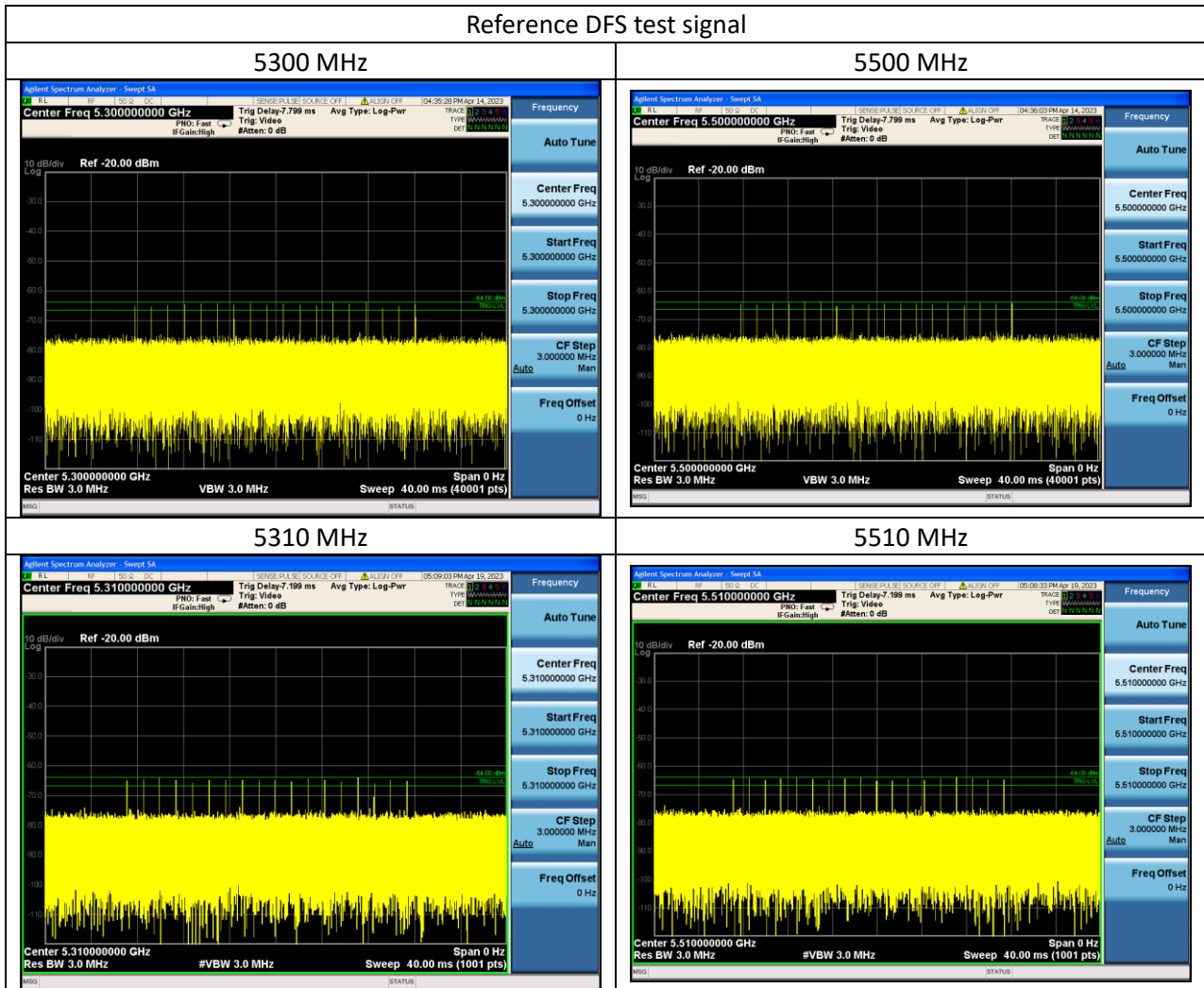
Appendix G

Test Results of Dynamic frequency selection

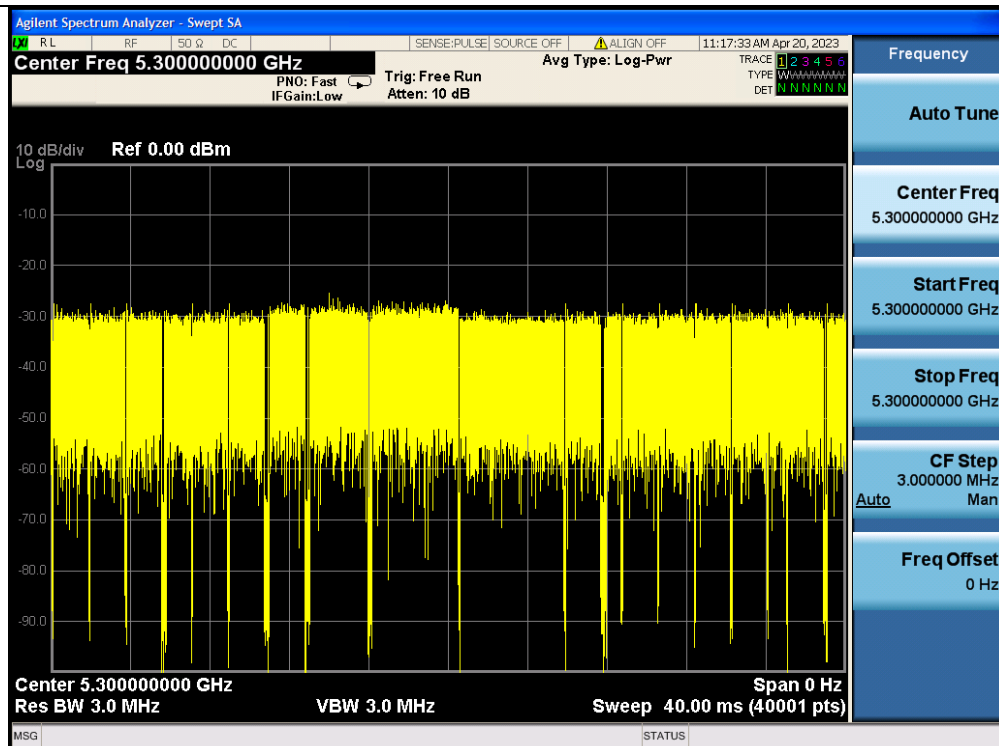
BW / Channel	Test Item	Test Result	Limit	Pass/Fail
20 MHz / 5300 MHz	Channel Move Time	0.7181 s	< 10s	Pass
	Channel Closing Transmission Time	4.8 ms	< 200+60ms	Pass
	Non-Occupancy Period	No transmission	30 minutes	Pass
20 MHz / 5500 MHz	Channel Move Time	0.4868 s	< 10s	Pass
	Channel Closing Transmission Time	8.1 ms	< 200+60ms	Pass
	Non-Occupancy Period	No transmission	30 minutes	Pass
40 MHz / 5310 MHz	Channel Move Time	0.8176 s	< 10s	Pass
	Channel Closing Transmission Time	6.6 ms	< 200+60ms	Pass
	Non-Occupancy Period	No transmission	30 minutes	Pass
40 MHz / 5510 MHz	Channel Move Time	0.7512 s	< 10s	Pass
	Channel Closing Transmission Time	6 ms	< 200+60ms	Pass
	Non-Occupancy Period	No transmission	30 minutes	Pass

Radar Waveform calibration Plot

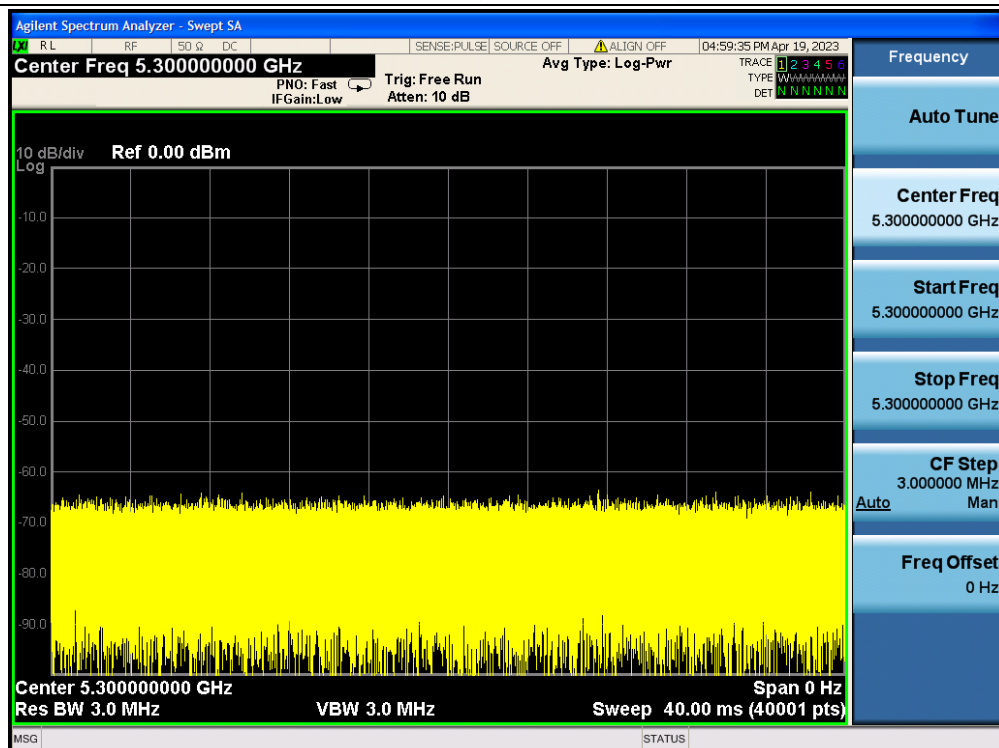
Reference DFS test signal



Data Traffic Plot



Noise Floor (No transmission)



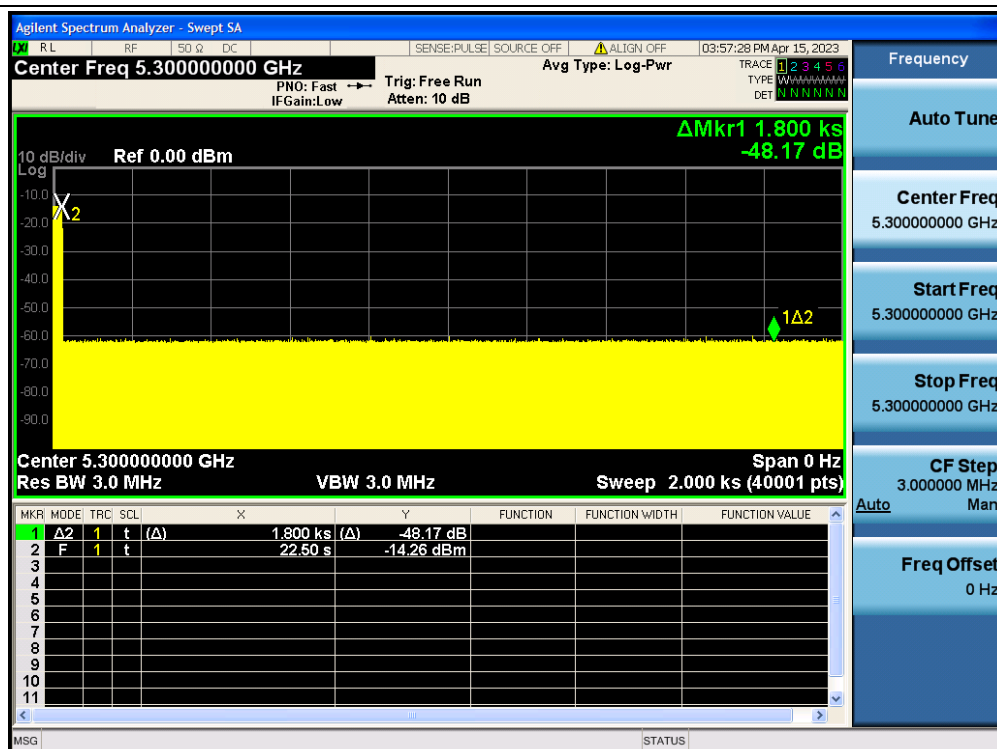
Channel Move Time & Channel Closing Transmission Time
802.11a_5300 MHz



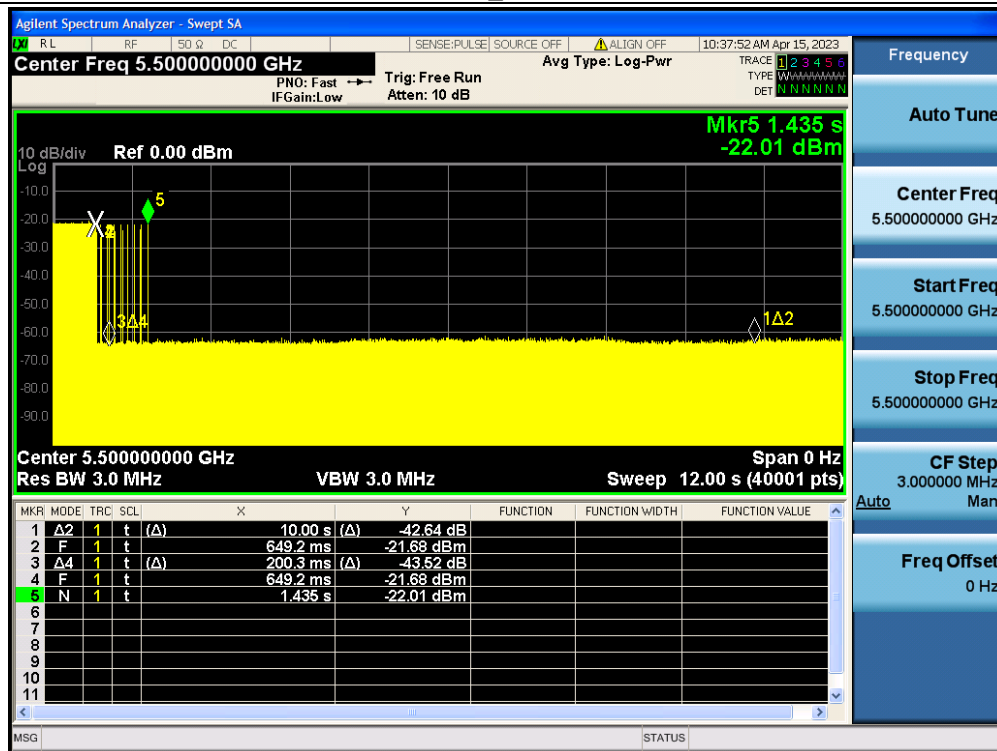
Note:

- 1) Mark1 Time: 373.9 ms, Mark2 Time: 10373.9 ms, Ontime Points: 16
- 2) Dwell = $S/B = 12000\text{ms}/40000 = 0.3\text{ ms}$, $C = N \times \text{Dwell} = 16 \times 0.3 = 4.8\text{ms}$
CMT = $1.092\text{ s} - 0.3739\text{ s} = 0.7181\text{ s}$

Non-Occupancy Period_802.11a_CH60_5300 MHz



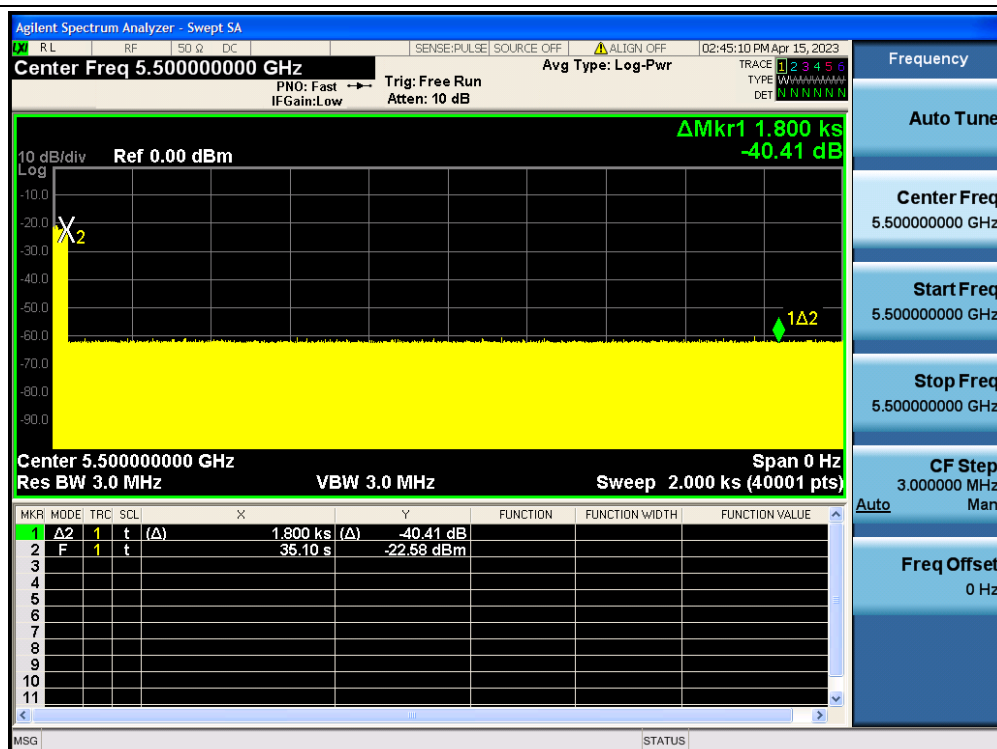
Channel Move Time & Channel Closing Transmission Time
802.11a_5500 MHz



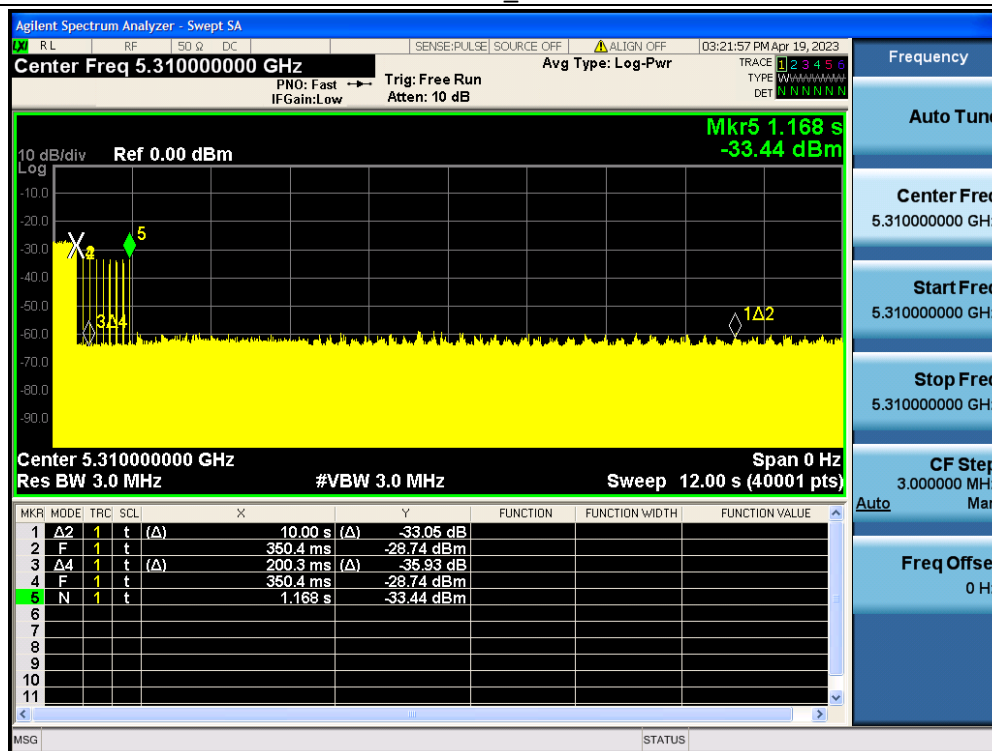
Note:

- 1) Mark1 Time: 649.2 ms, Mark2 Time: 10649.2 ms, Ontime Points: 27
- 2) Dwell = $S/B = 12000\text{ms}/40000 = 0.3\text{ ms}$, $C = N \times \text{Dwell} = 27 \times 0.3 = 8.1\text{ms}$
CMT = $1.136\text{ s} - 0.6492\text{ s} = 0.4868\text{ s}$

Non-Occupancy Period_802.11a_CH100_5500 MHz



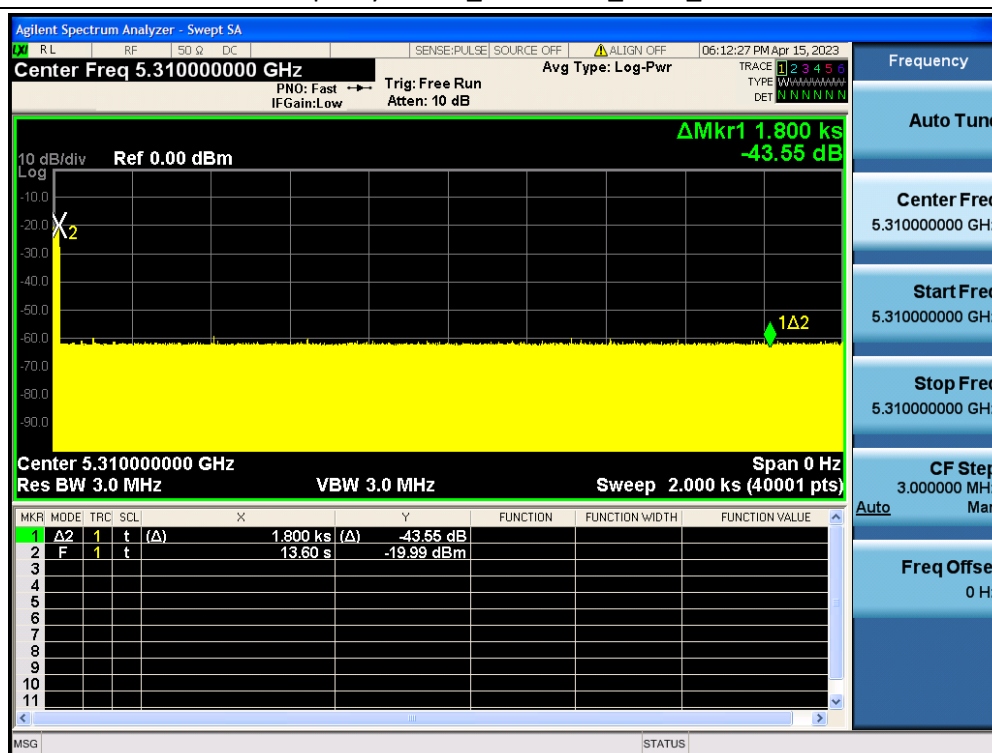
Channel Move Time & Channel Closing Transmission Time 802.11n40_5310 MHz



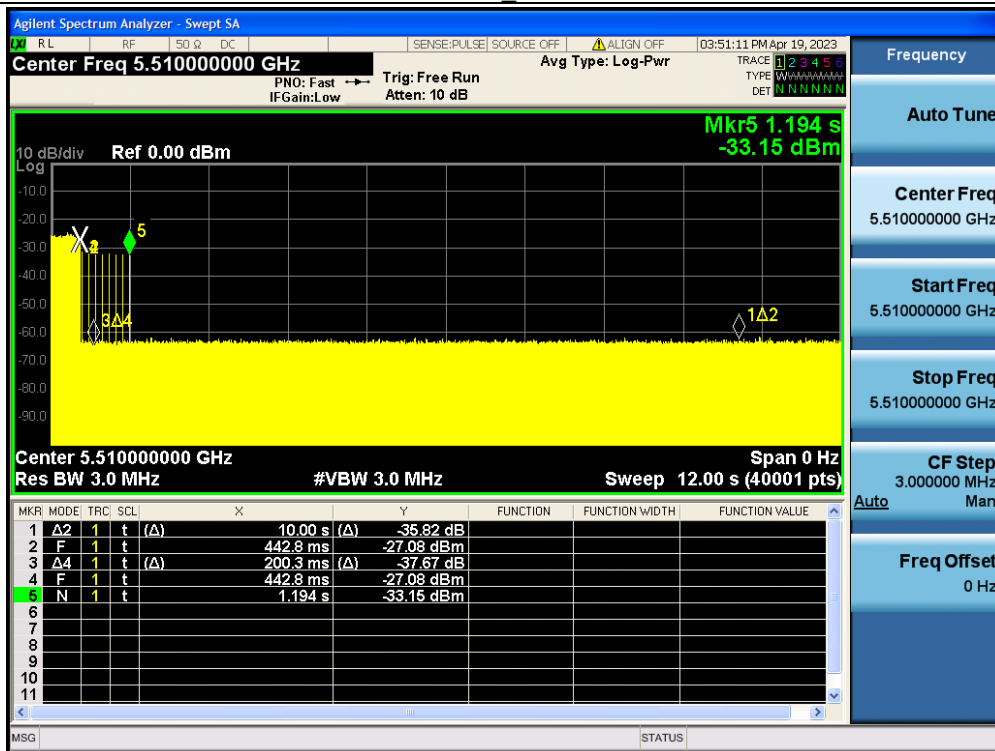
Note:

- 1) Mark1 Time: 350.4 ms, Mark2 Time: 10350.4 ms, Ontime Points: 22
- 2) Dwell = $S/B = 12000\text{ms}/40000 = 0.3\text{ ms}$, $C = N \times \text{Dwell} = 22 \times 0.3 = 6.6\text{ ms}$
CMT = $1.168\text{ s} - 0.3504\text{ s} = 0.8176\text{ s}$

Non-Occupancy Period_802.11n40_CH62_5310 MHz



Channel Move Time & Channel Closing Transmission Time
802.11n40_5510 MHz



Note:

- 1) Mark1 Time: 442.8 ms, Mark2 Time: 10442.8 ms, OnTime Points: 20
- 2) Dwell = S/B = 12000ms/40000 = 0.3 ms, C = N x Dwell = 20 x 0.3 = 6 ms
CMT = 1.194 s – 0.4428 s = 0.7512 s

Non-Occupancy Period_802.11n40_CH102_5510 MHz

