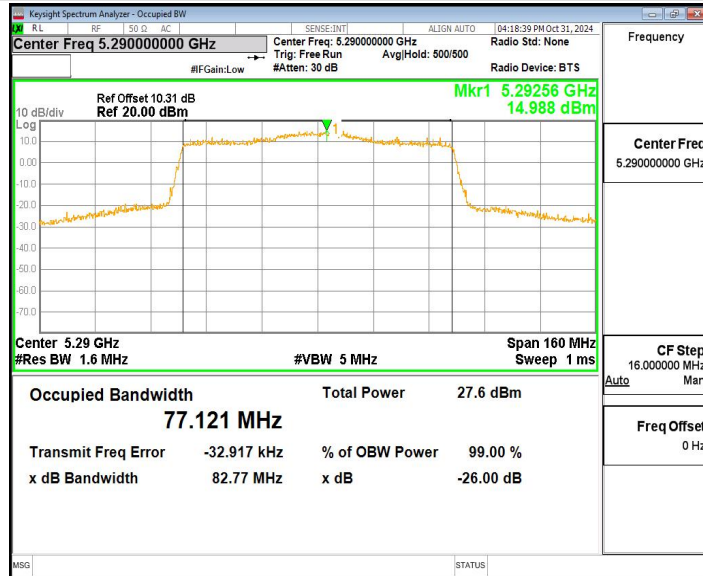
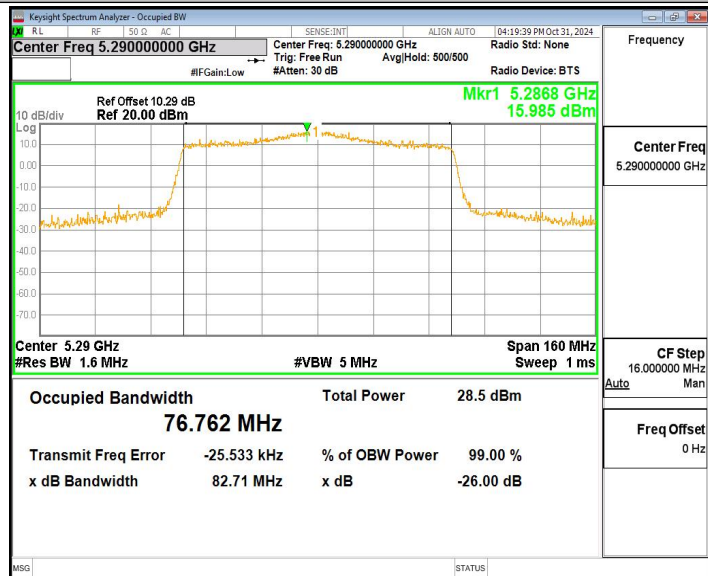




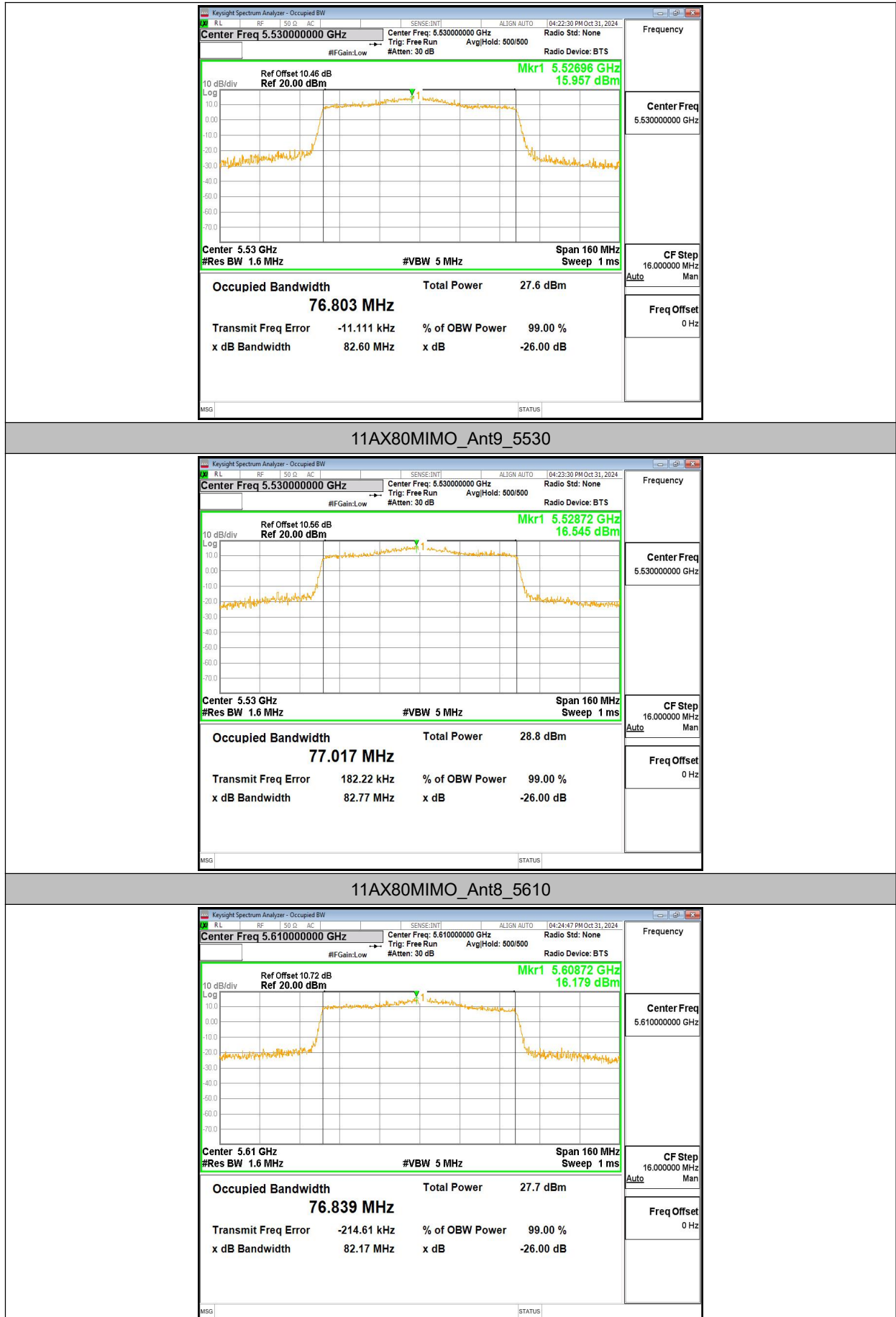
11AX80MIMO_Ant8_5290



11AX80MIMO_Ant9_5290

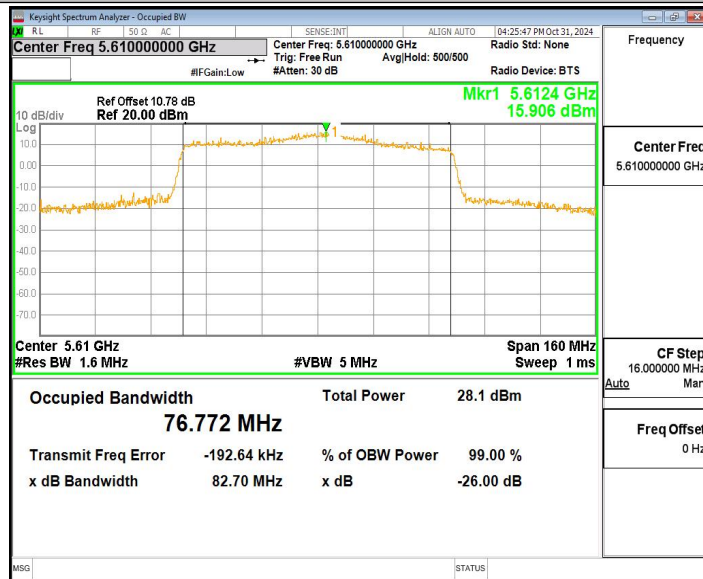


11AX80MIMO_Ant8_5530

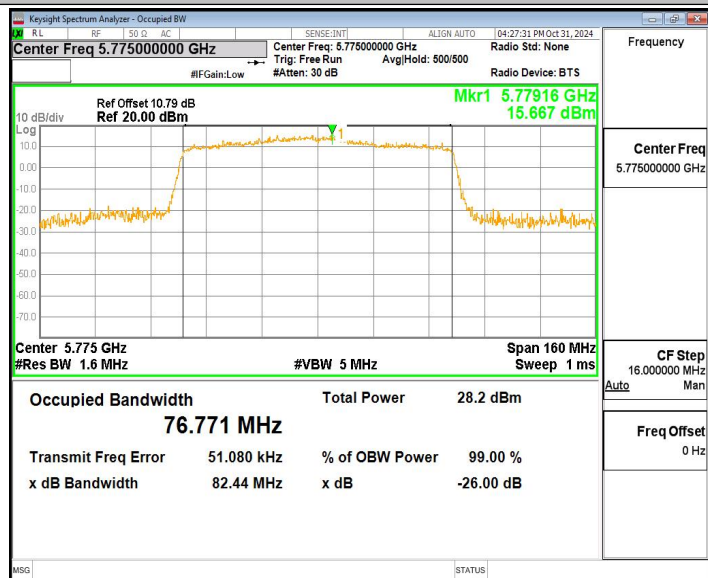




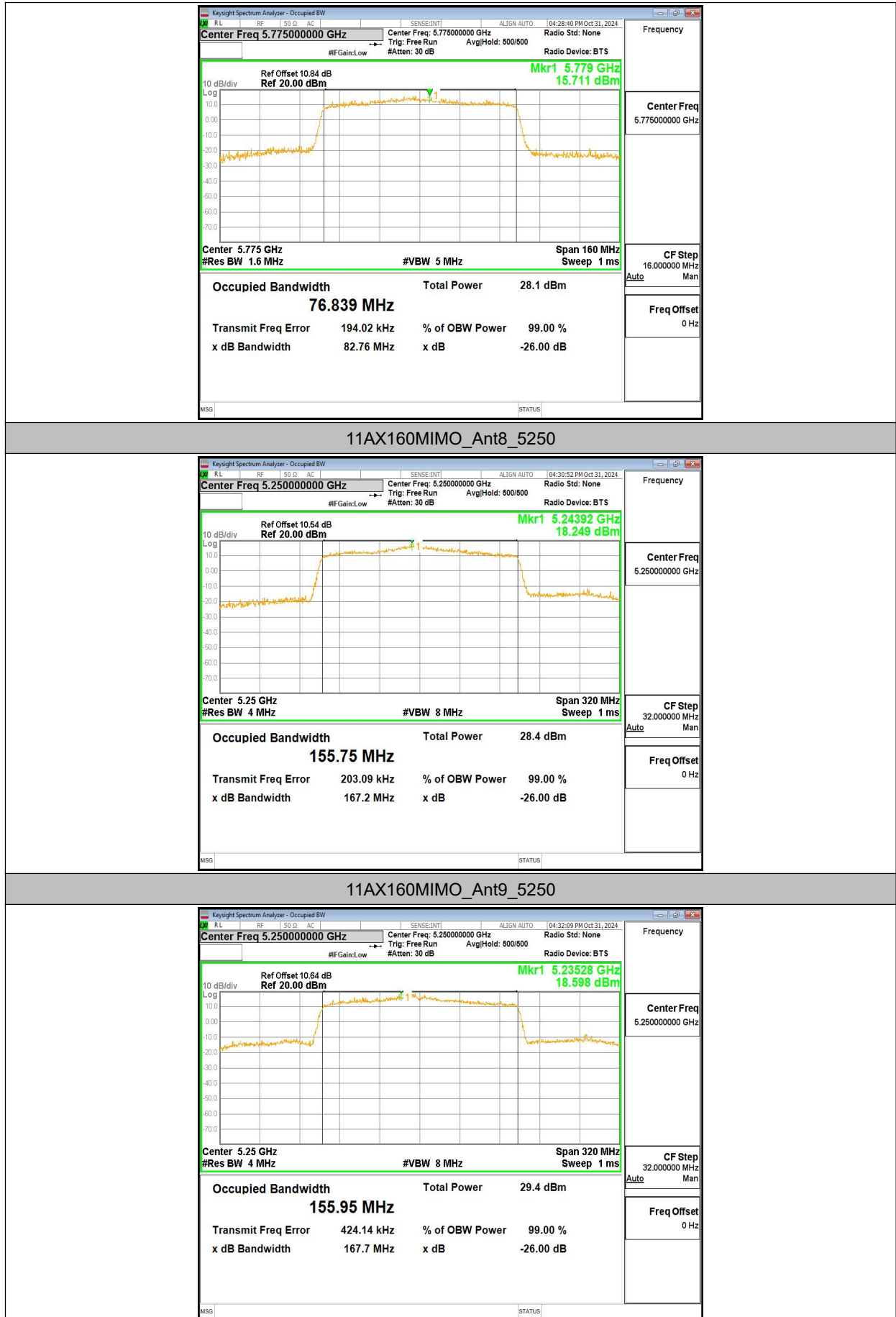
11AX80MIMO_Ant9_5610



11AX80MIMO_Ant8_5775

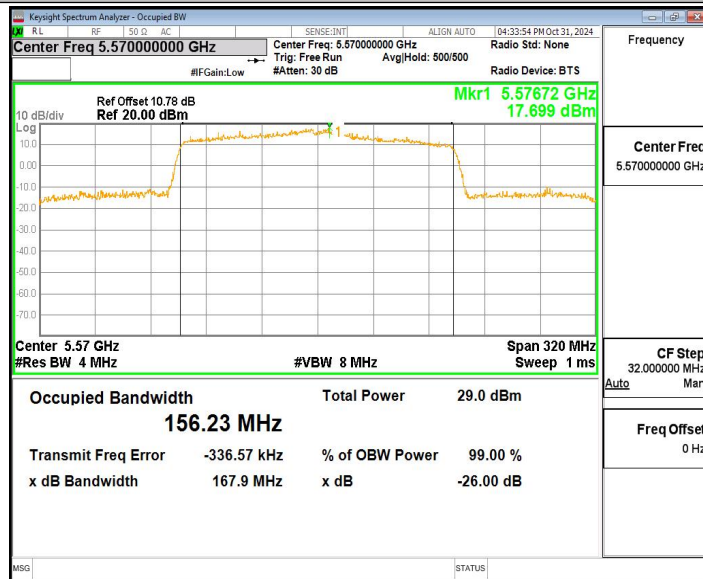


11AX80MIMO_Ant9_5775

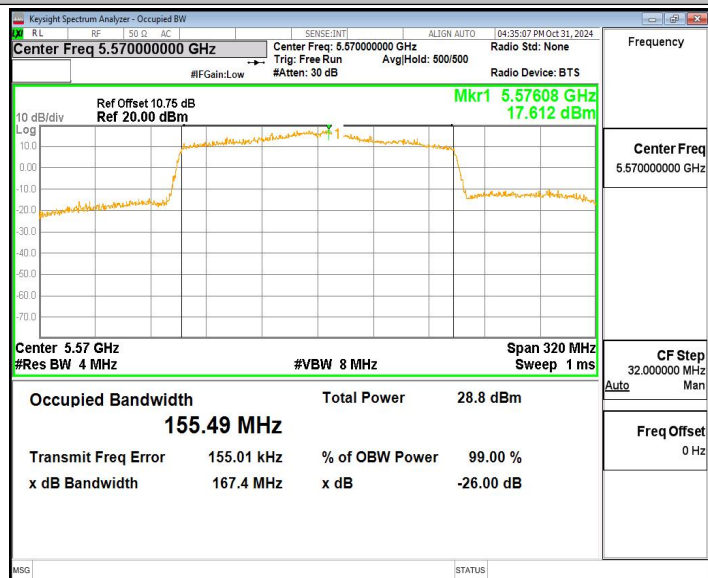




11AX160MIMO_Ant8_5570



11AX160MIMO_Ant9_5570



A.7. Dynamic Frequency Selection

The EUT is Client without radar detection (only support client mode).

Measurement of method: See KDB 905462-D02.

Measurement Limit:

Standard	Test Items	Limit
FCC 47 CFR Part 15.407 (h) &RSS-247 section 6.3	Channel Move Time	< 10 s
	Channel Closing Transmission Time	< 200 ms + 60 ms
	Non-Occupancy Period	> 1800 s

The measurement is made according to KDB 905462.

1). Parameters of DFS test signal:

Interference threshold values, master or client incorporation in service monitoring. For device Power less than 23dBm (E.I.R.P.), the threshold level is -62 dBm at the antenna port after Correction for antenna gain and procedural adjustments.

Because of conducted measurement performed, the calibration power from radar signal generator to antenna port of DFS test equipment is -62 dBm.

Maximum Transmit Power	Value
> 200 mW	-64 dBm
< 200 mW	-62 dBm

2). Parameters of the reference DFS test signal:

Pulse width W (μs)	Pulse repetition frequency PRF (PPS)	Pulses per burst (PPB)
1	700	18

Measurement Results:
DFS Detection Thresholds:

Test Mode	Frequency[dbm]	Radar Type	Result	Limit[dbm]	Verdict
11A	5260	Type0	-61.42	-61.20	PASS
	5500	Type0	-61.61	-61.20	PASS
11AC160	5250	Type0	-61.46	-61.20	PASS
	5570	Type0	-61.39	-61.20	PASS

Channel Move Time & Channel Closing Transmission Time:

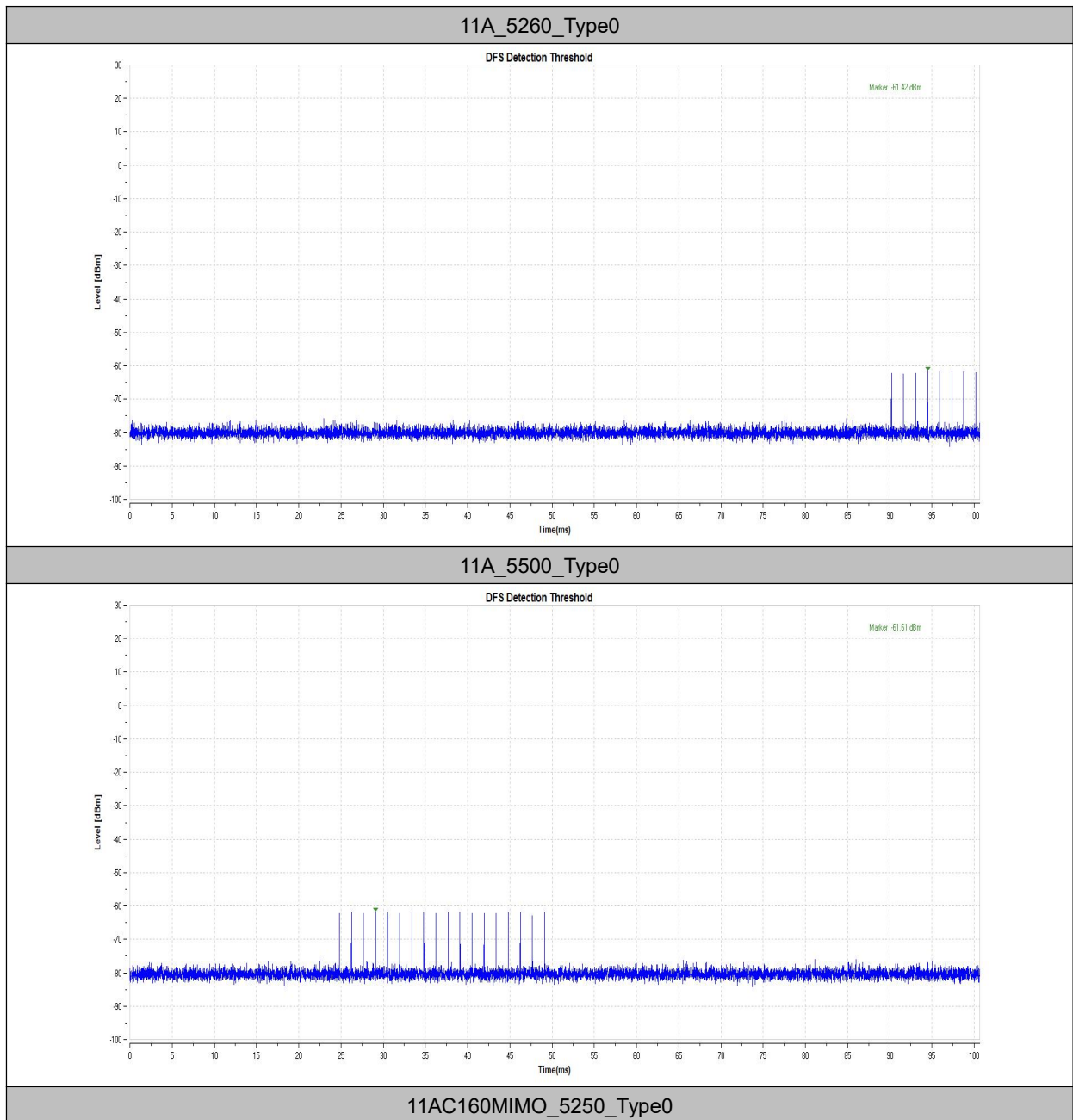
Test Mode	Frequency [MHz]	CCTT[ms]	Limit[ms]	CMT[ms]	Limit[ms]	Verdict
11A	5260	200+3.9	200+60	437.8	10000	PASS
	5500	200+5.2	200+60	427.4	10000	PASS
11AC160	5250	200+5.2	200+60	428.7	10000	PASS
	5570	200+6.5	200+60	478.1	10000	PASS

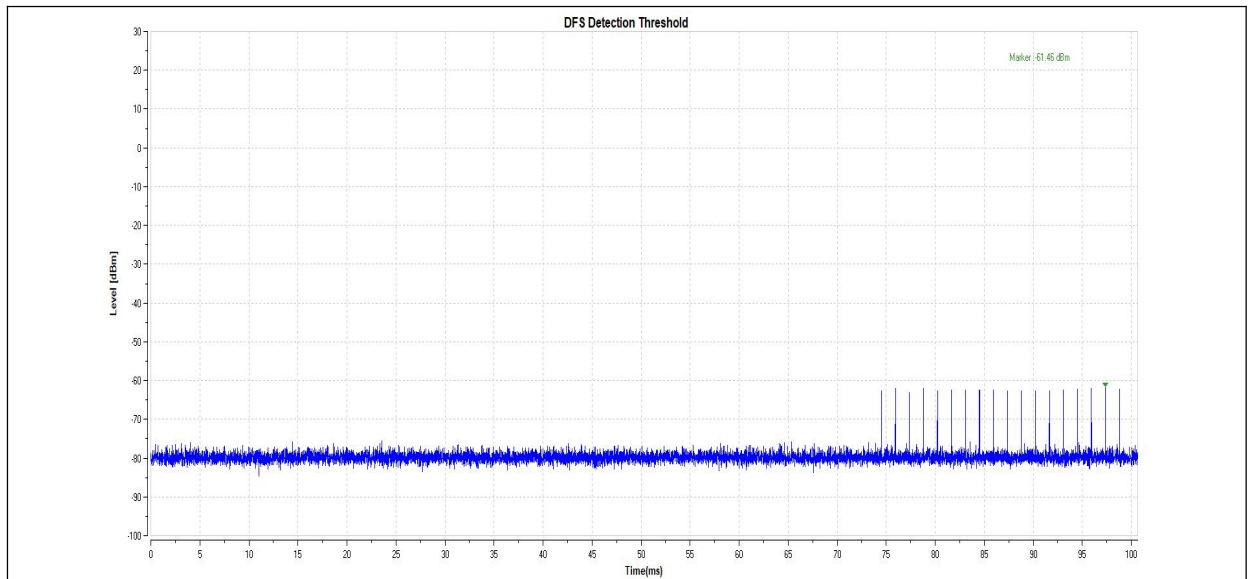
Non-Occupancy Period:

Test Mode	Frequency [MHz]	Result	Limit[s]	Verdict
11A	5260	see test graph	≥1800	PASS
	5500	see test graph	≥1800	PASS
11AC160	5250	see test graph	≥1800	PASS
	5570	see test graph	≥1800	PASS

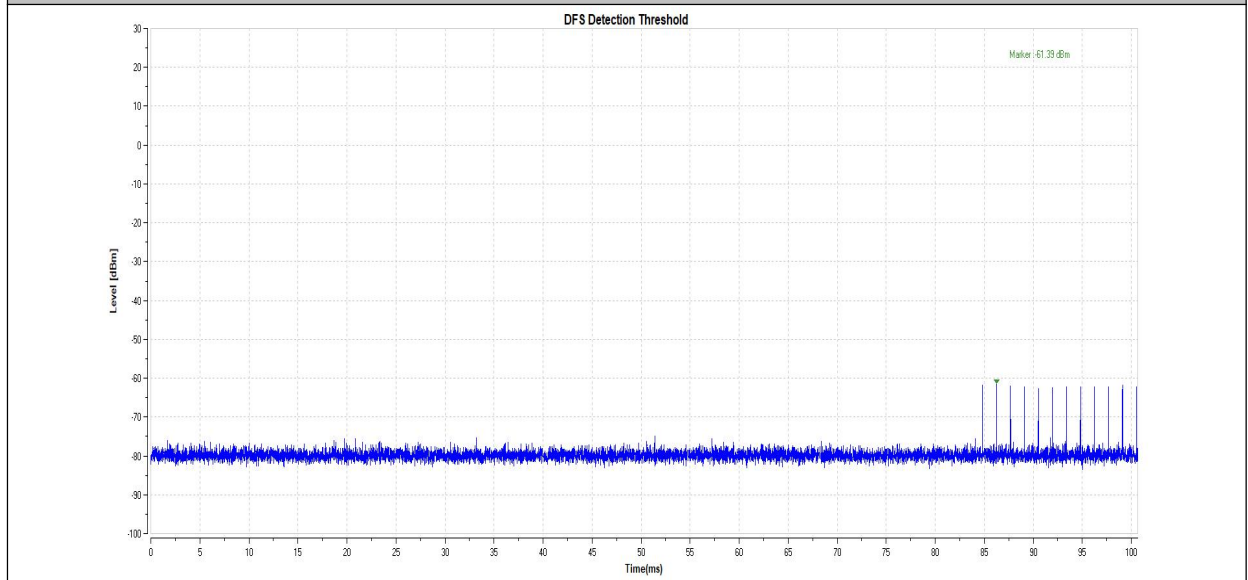
See below for test graphs.

Conclusion: PASS

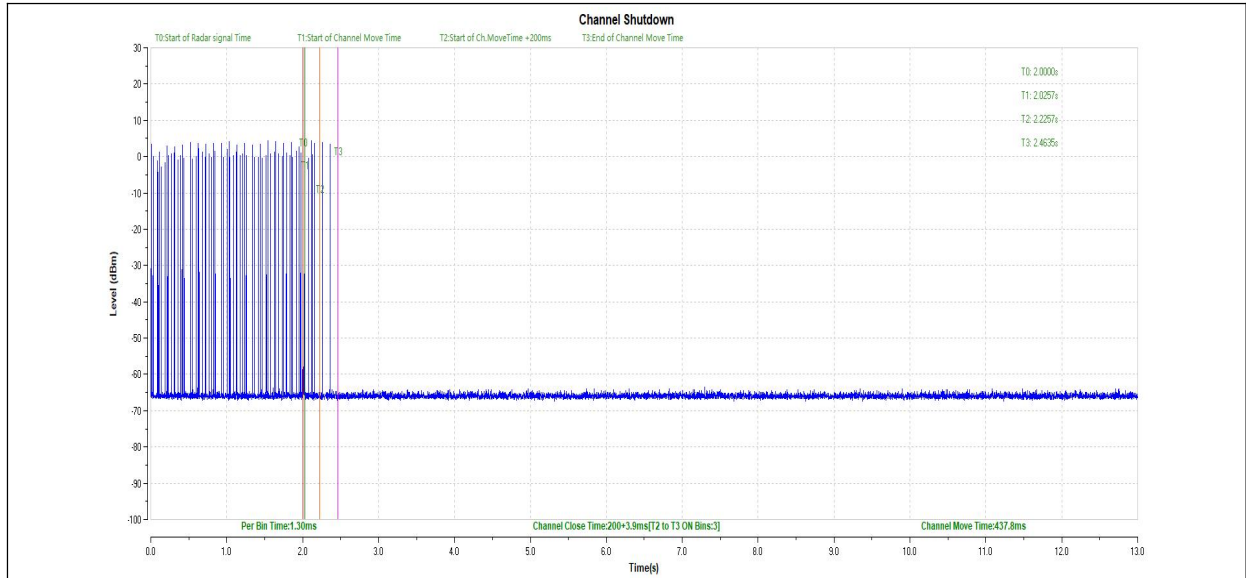




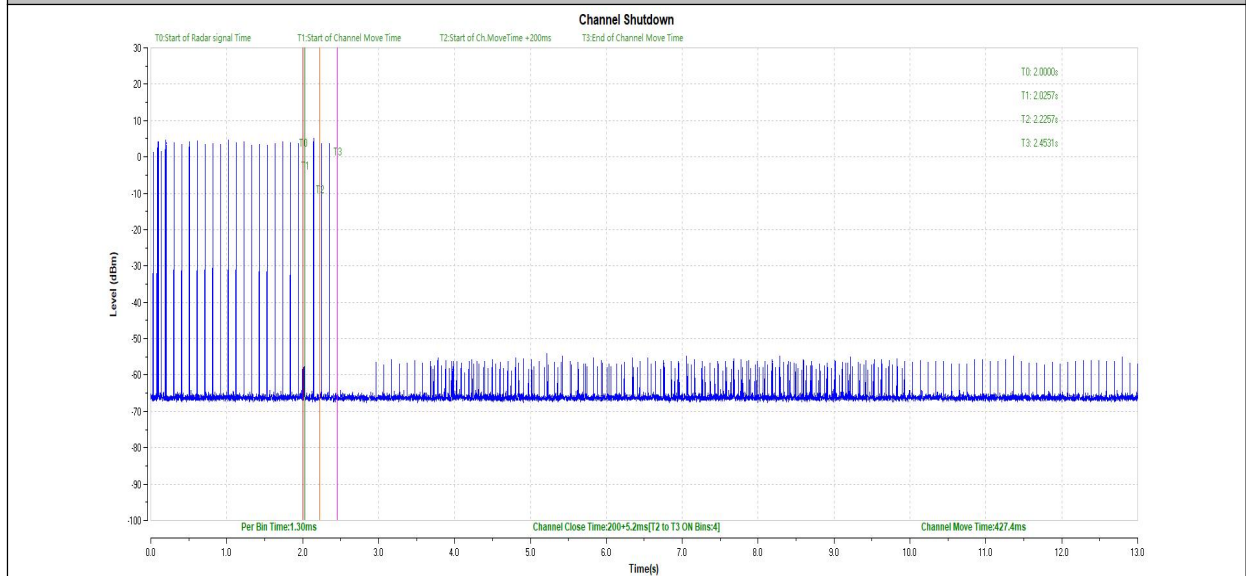
11AC160MIMO_5570_Type0



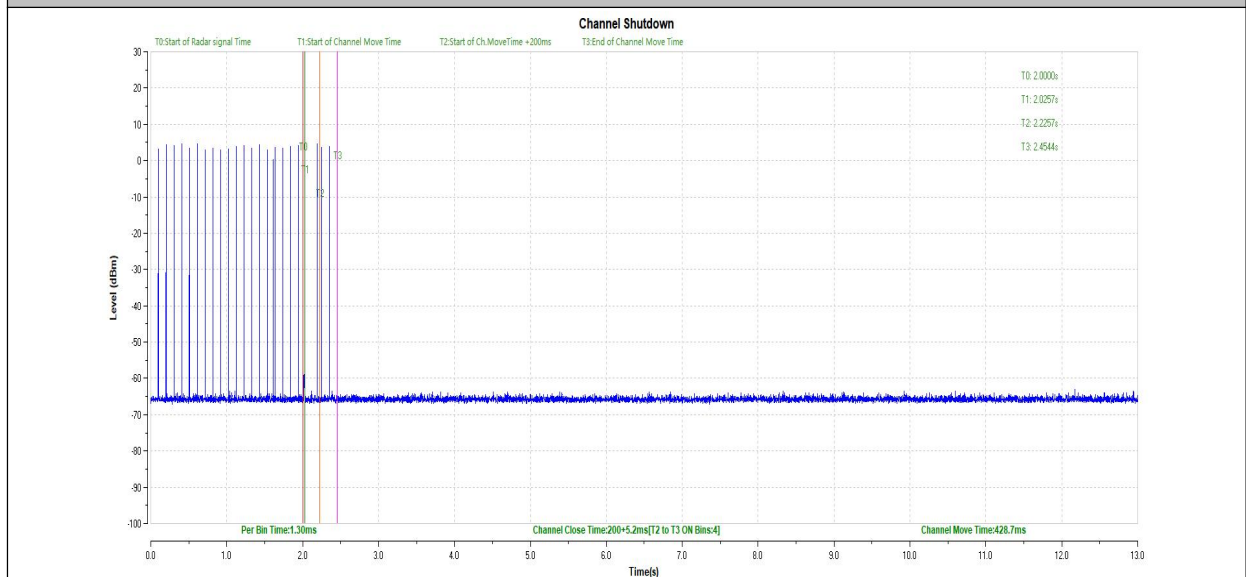
11A_5260

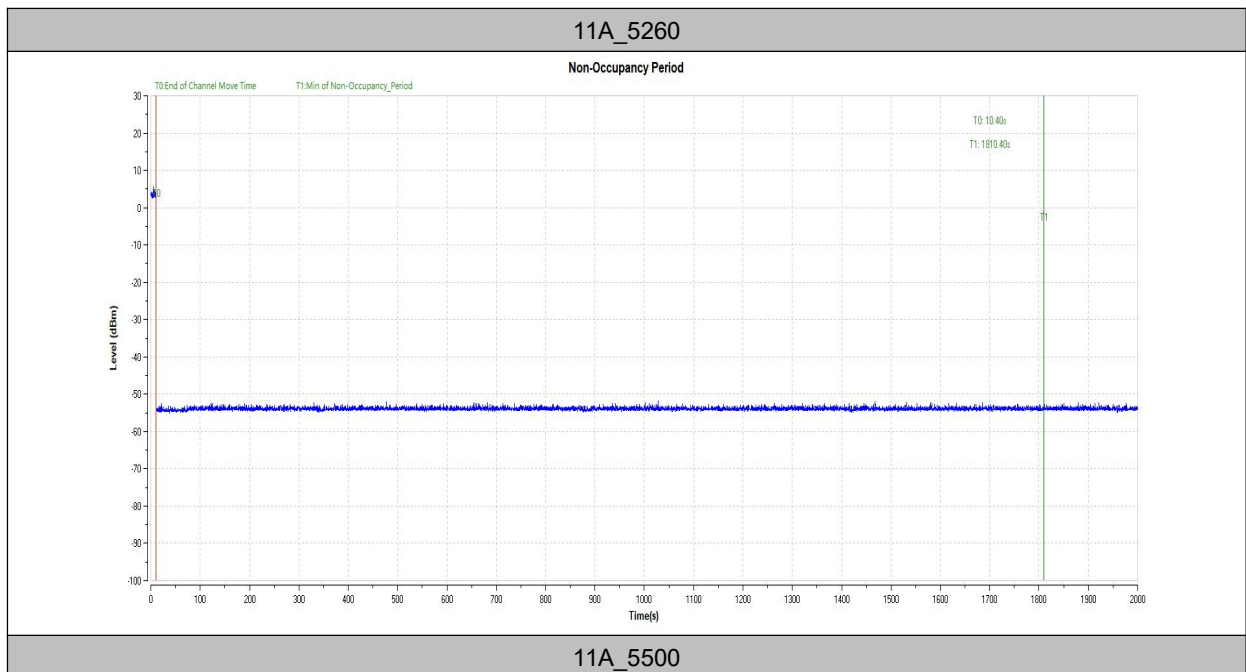
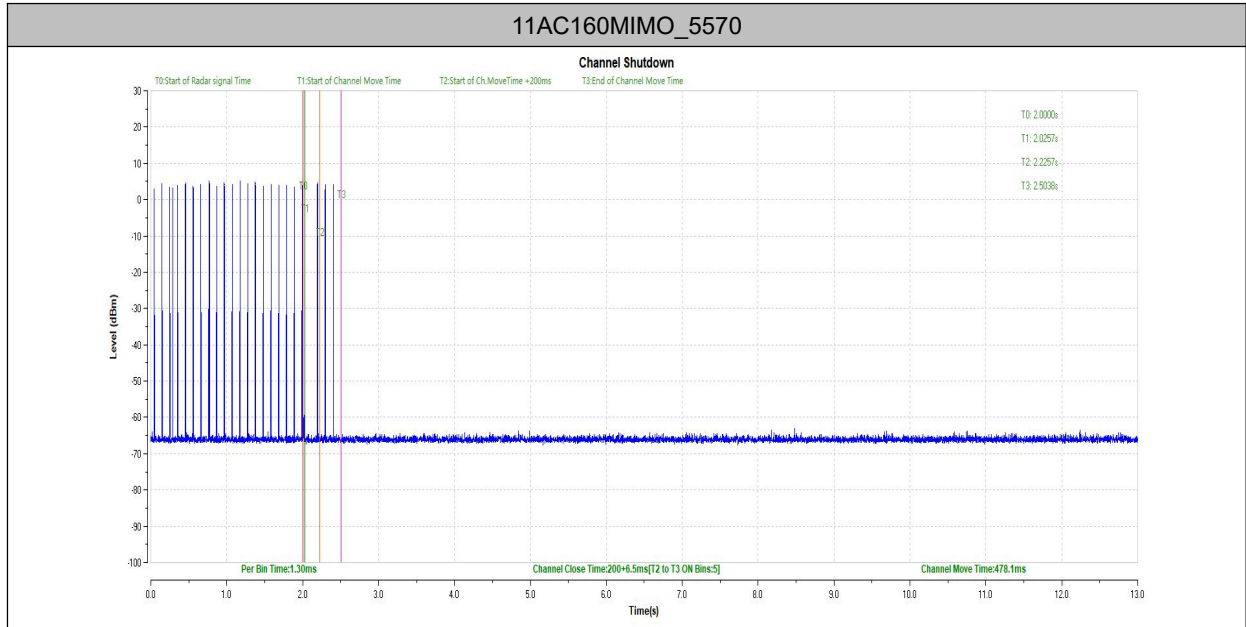


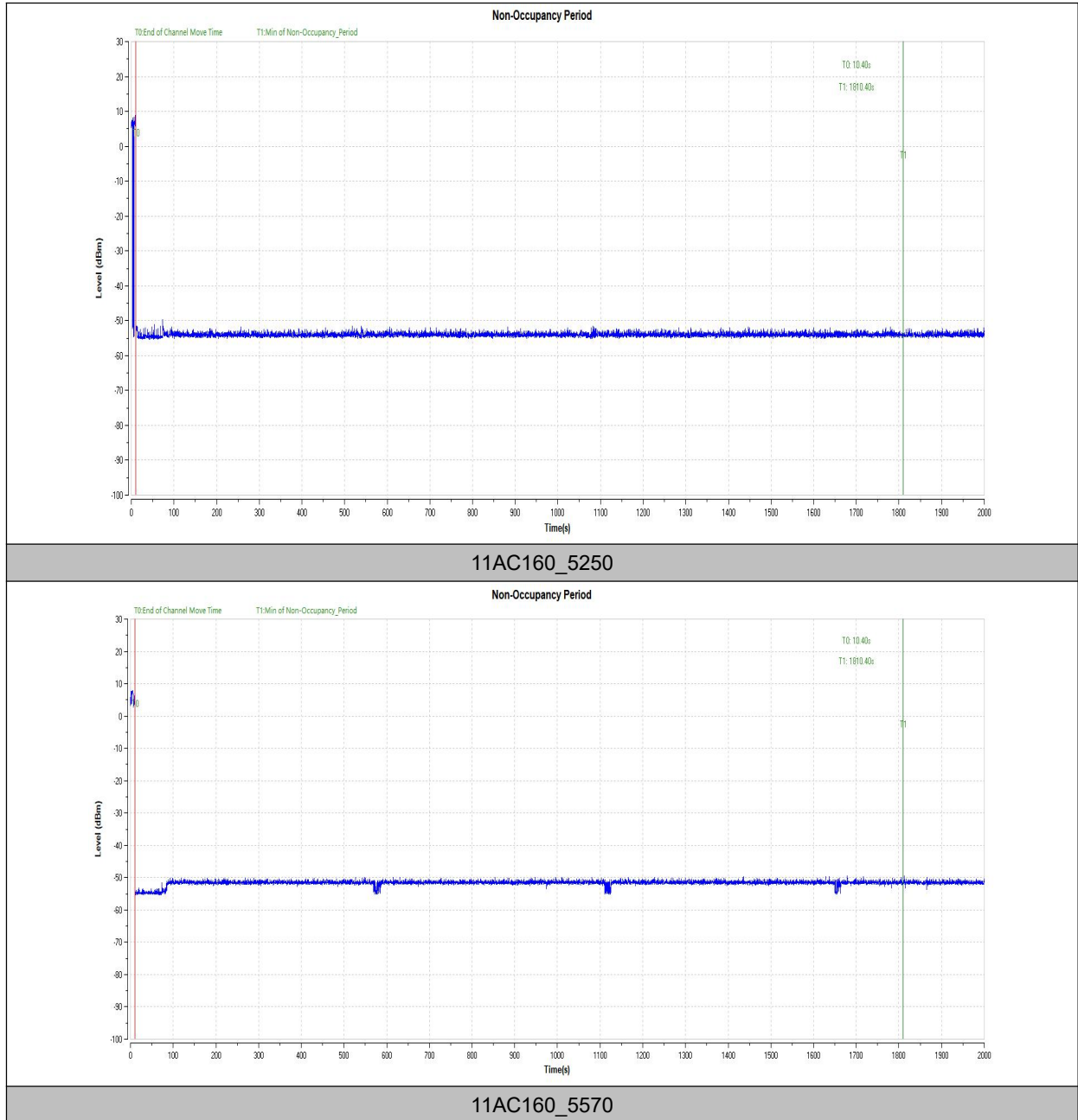
11A_5500

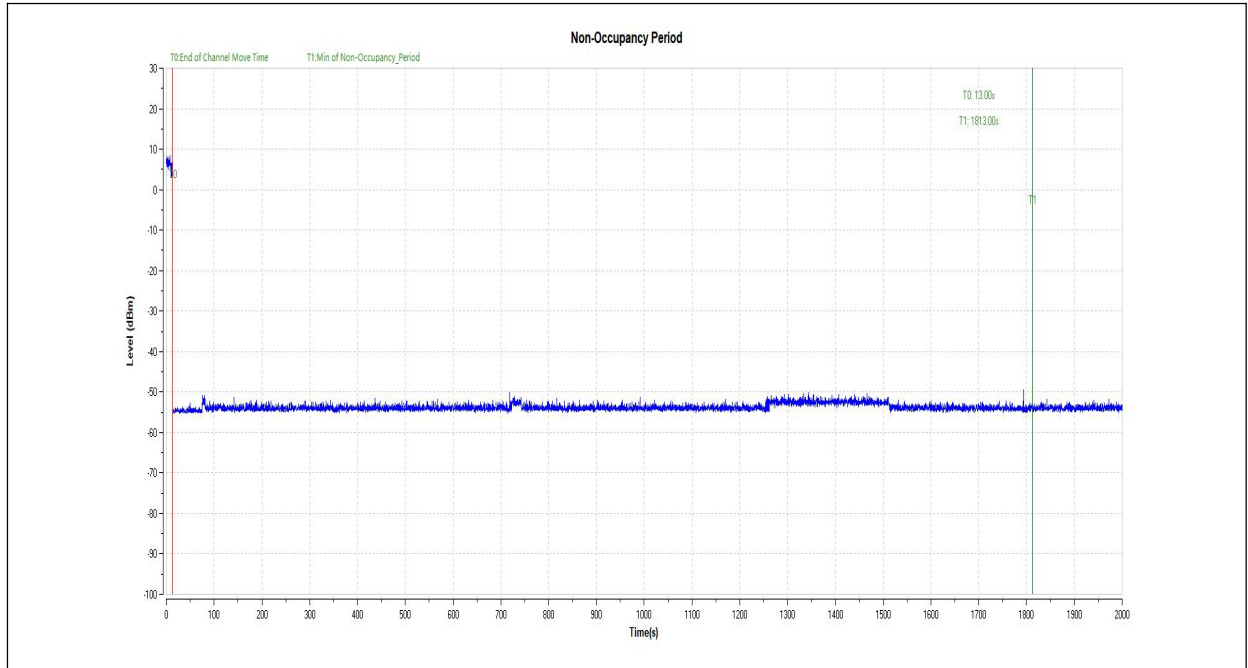


11AC160MIMO_5250









A.8. Band Edges Compliance

Method of Measurement: See ANSI C63.10-clause 6.10.

Measurement Limit:

Standard	Limit (dBμV/m)	
FCC 47 CFR Part 15.209	Peak	74
	Average	54

The measurement is made according to KDB 789033

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Measurement Result:

Mode	Frequency (MHz)	Test Results	Conclusion
802.11a	5180MHz(CH36)	Fig.1	P
	5320MHz(CH64)	Fig.2	P
	5500MHz(CH100)	Fig.3	P
	5700MHz(CH140)	Fig.4	P
	5745MHz(CH149)	Fig.5	P
	5825MHz(CH165)	Fig.6	P
802.11ax-HE20	5180MHz(CH36)	Fig.7	P
	5320MHz(CH64)	Fig.8	P
	5500MHz(CH100)	Fig.9	P
	5700MHz(CH140)	Fig.10	P
	5745MHz(CH149)	Fig.11	P
	5825MHz(CH165)	Fig.12	P
802.11ax-HE40	5190MHz(CH38)	Fig.13	P
	5310MHz(CH62)	Fig.14	P
	5510MHz(CH102)	Fig.15	P
	5670MHz(CH134)	Fig.16	P
	5755MHz(CH151)	Fig.17	P
	5795MHz(CH159)	Fig.18	P
802.11ax-HE80	5210MHz(CH42)	Fig.19	P
	5290MHz(CH58)	Fig.20	P
	5530MHz(CH106)	Fig.21	P
	5610MHz(Ch122)	Fig.22	P
	5775MHz(CH155)	Fig.23	P
802.11ax-HE160	5250MHz(CH50)	Fig.24	P
	5570MHz(CH114)	Fig.25	P

The mode of 11a and 11ax are the worst type.

See below for test graphs.

Conclusion: PASS

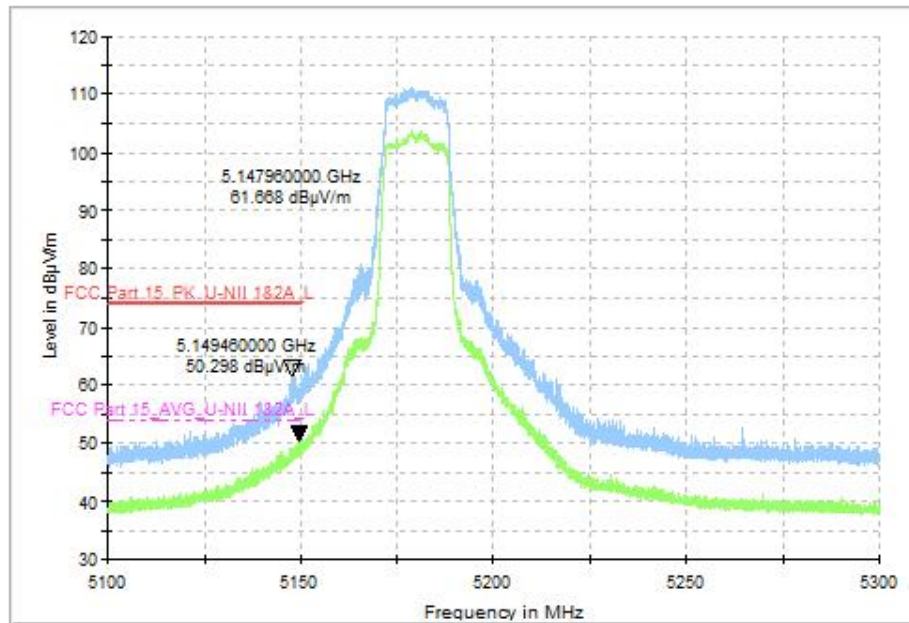


Fig. 1 Band Edges (802.11a, CH36 5180MHz)

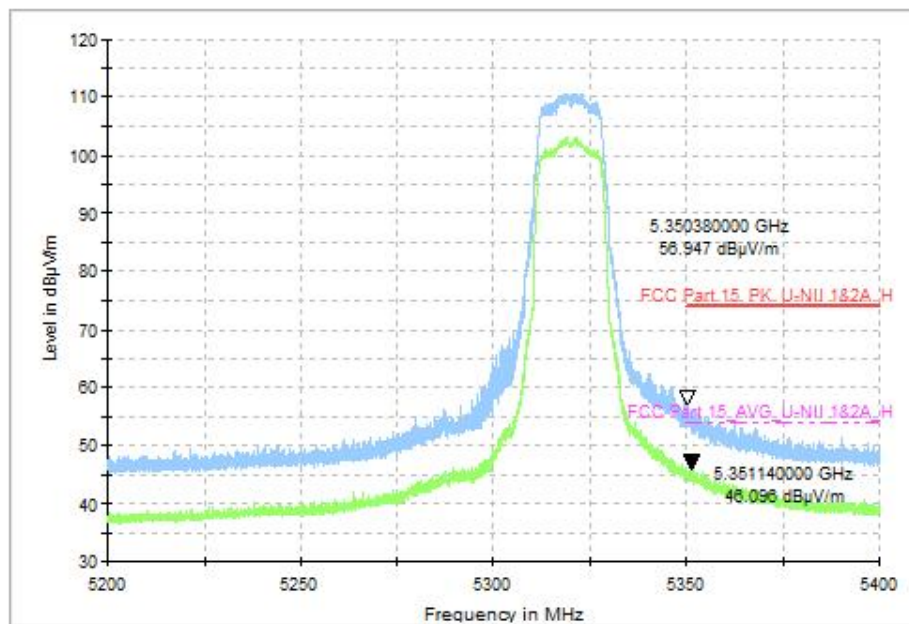


Fig. 2 Band Edges (802.11a, CH64 5320MHz)

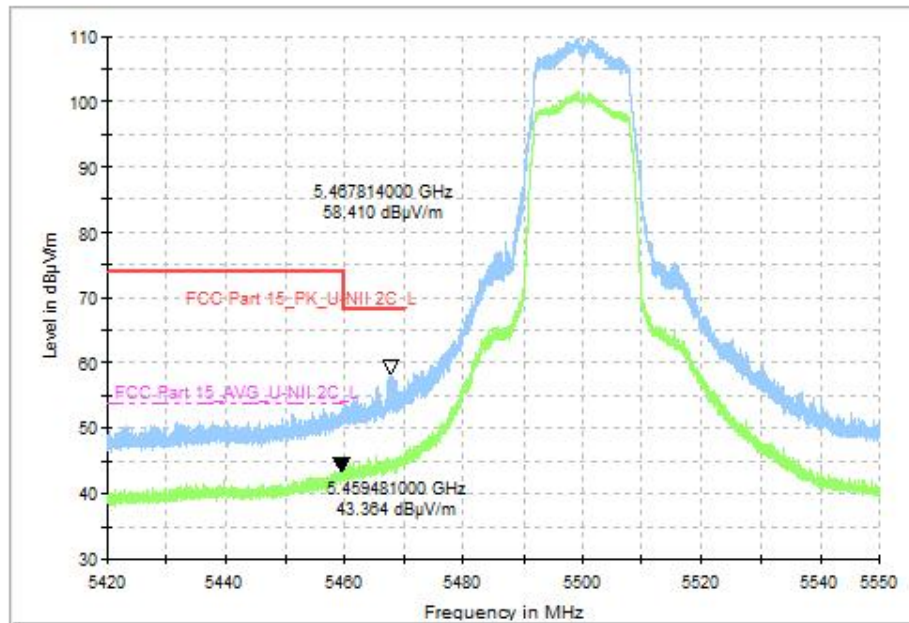


Fig. 3 Band Edges (802.11a, CH100 5500MHz)

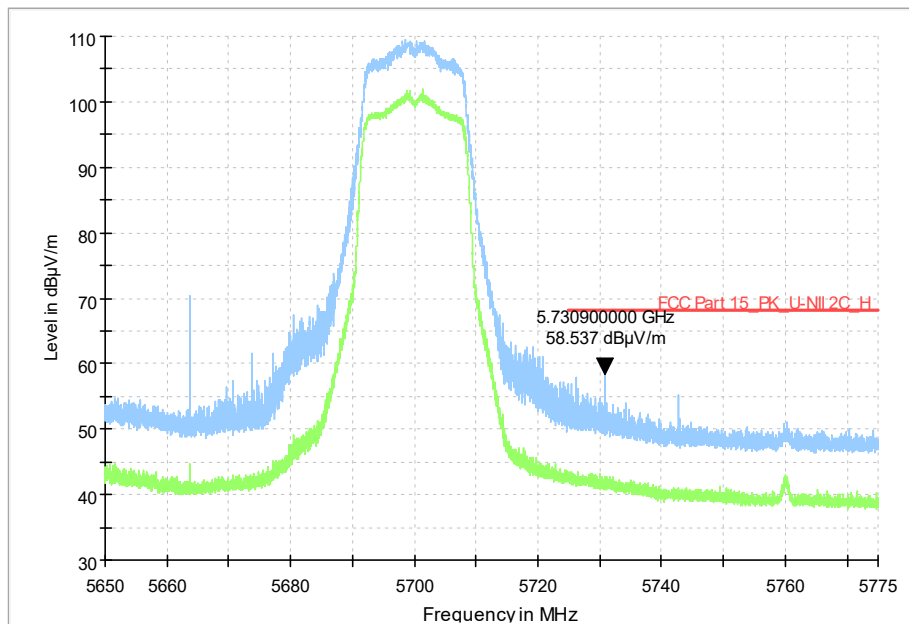


Fig. 4 Band Edges (802.11a, CH140 5700MHz)

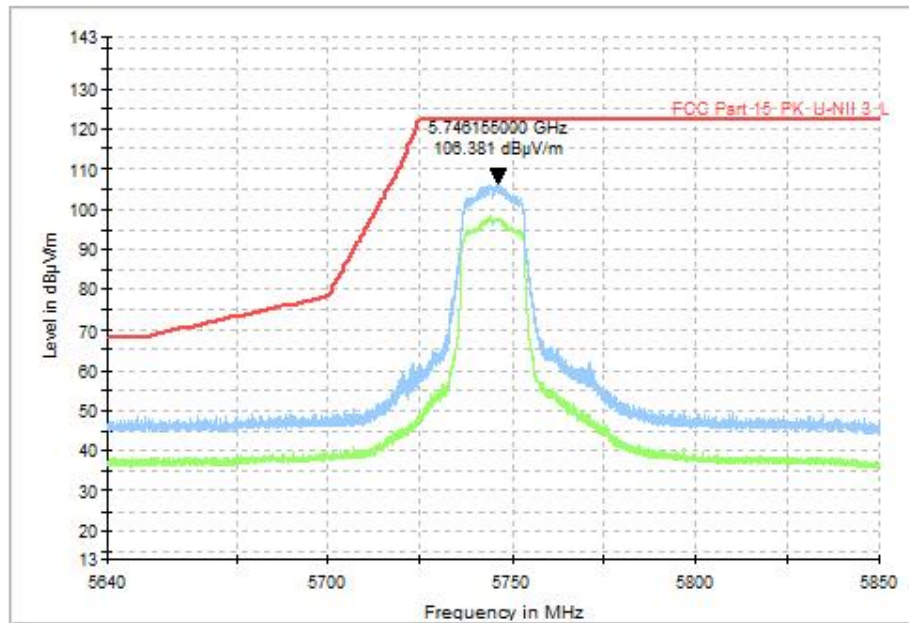


Fig. 5 Band Edges (802.11a, CH149 5745MHz)

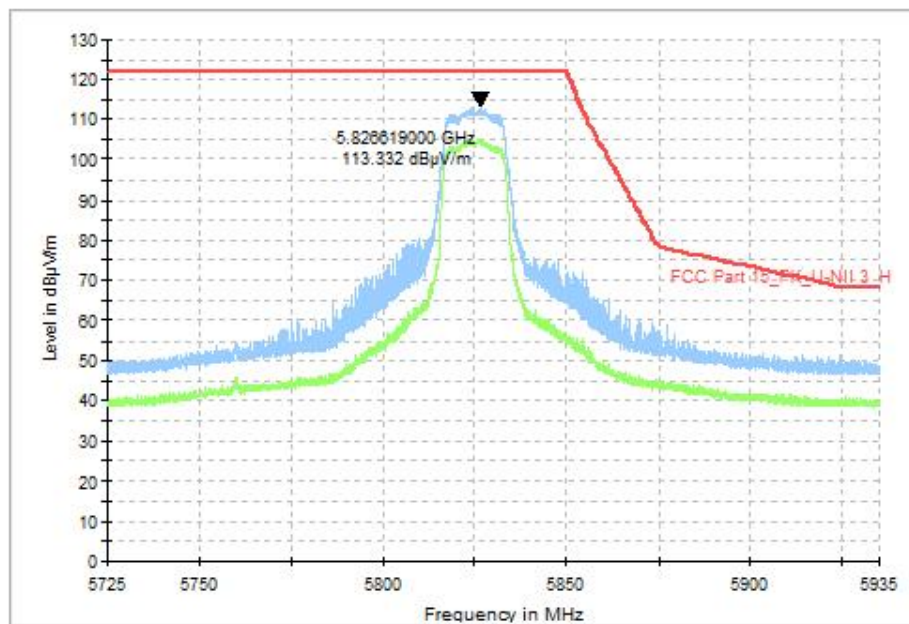


Fig. 6 Band Edges (802.11a, CH165 5825MHz)

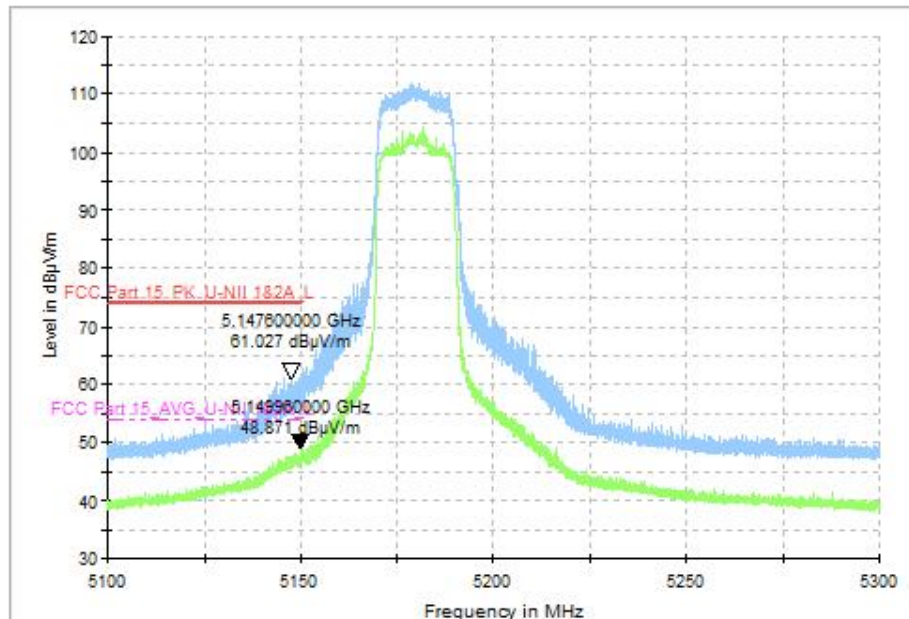


Fig. 7 Band Edges (802.11ax-HE20, CH36 5180MHz), MIMO

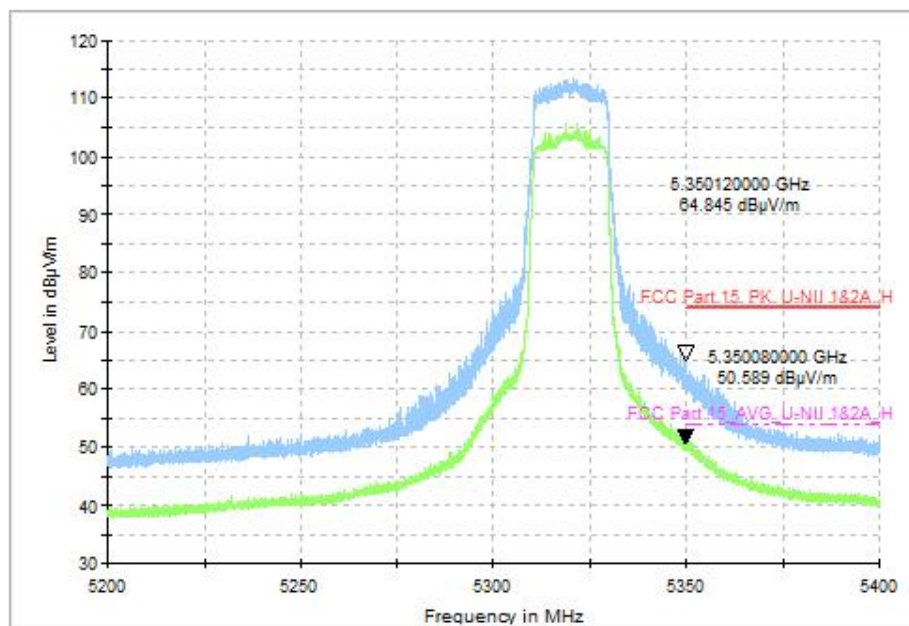


Fig. 8 Band Edges (802.11ax-HE20, CH64 5320MHz), MIMO

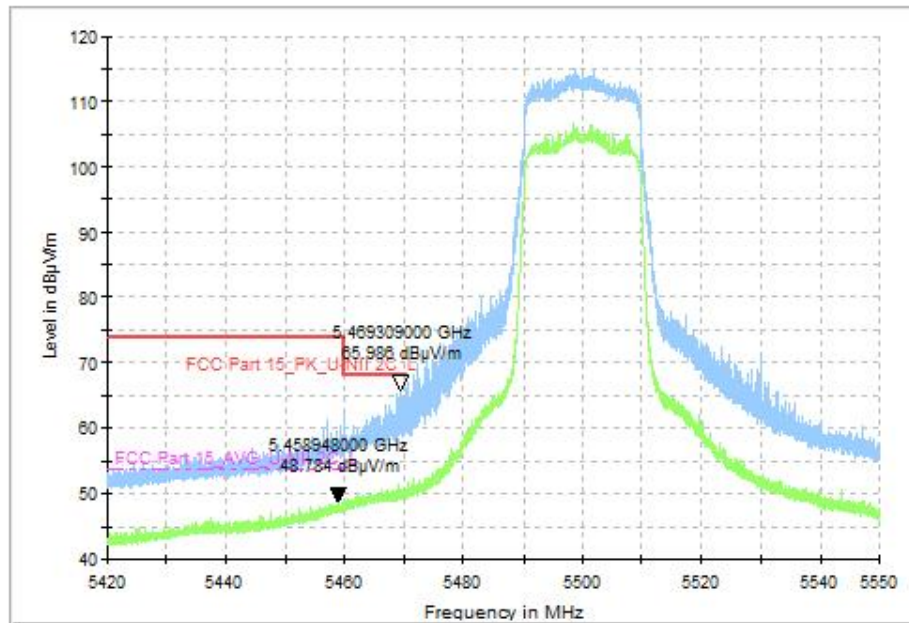


Fig. 9 Band Edges (802.11ax-HE20, CH100 5500MHz), MIMO

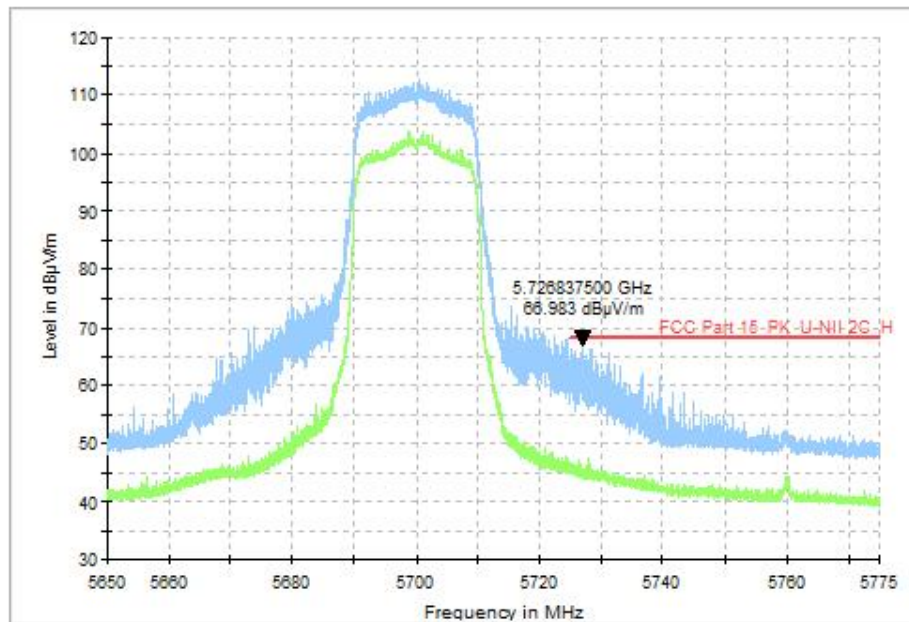


Fig. 10 Band Edges (802.11ax-HE20, CH140 5700MHz), MIMO

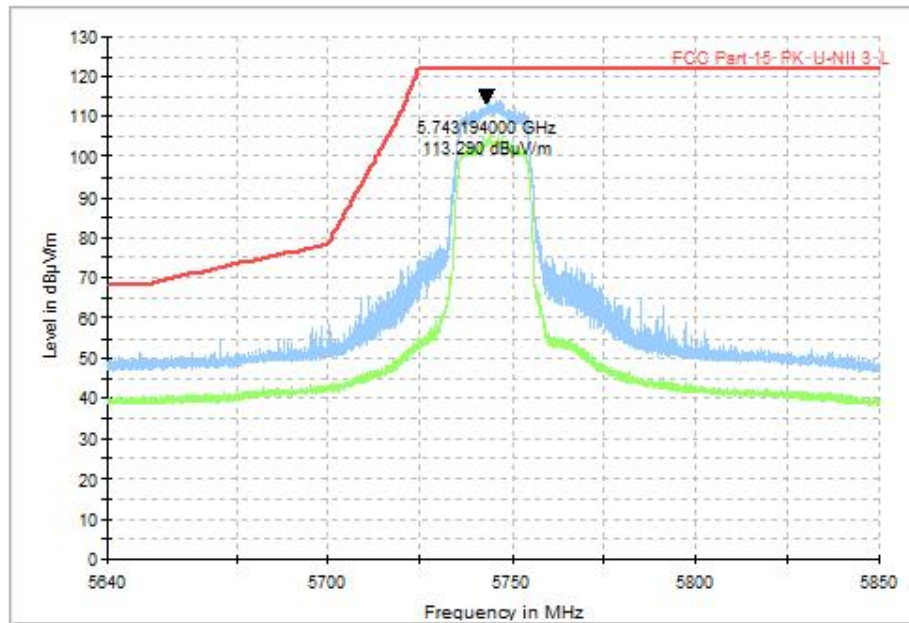


Fig. 11 Band Edges (802.11ax-HE20, CH149 5745MHz), MIMO

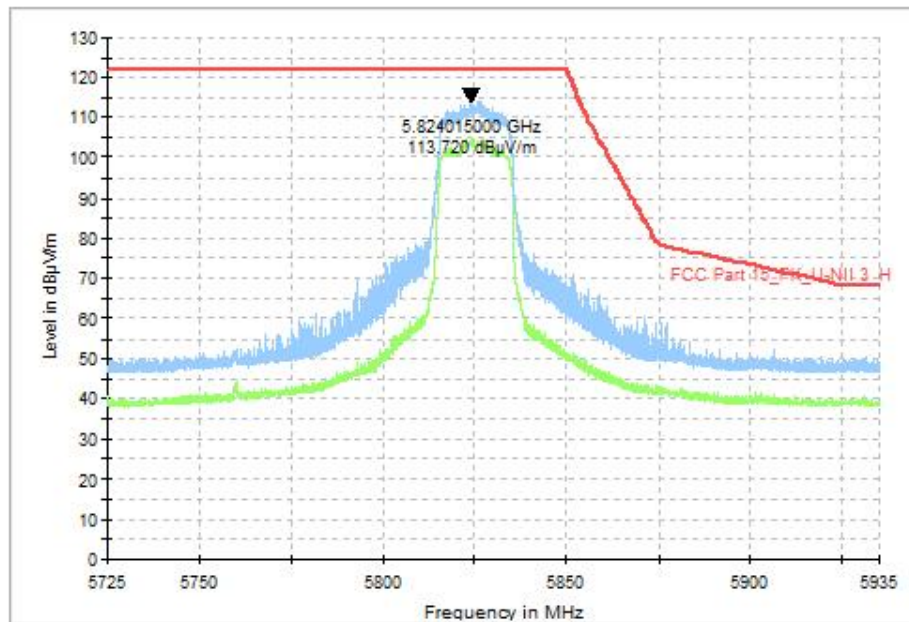


Fig. 12 Band Edges (802.11ax-HE20, CH165 5825MHz), MIMO

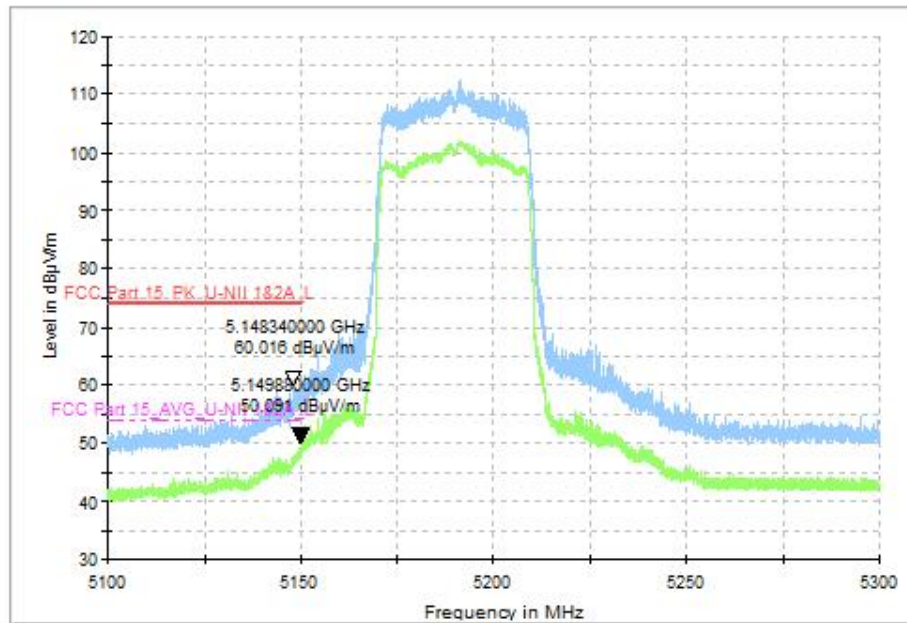


Fig. 13 Band Edges (802.11ax-HE40, CH38 5190MHz), MIMO

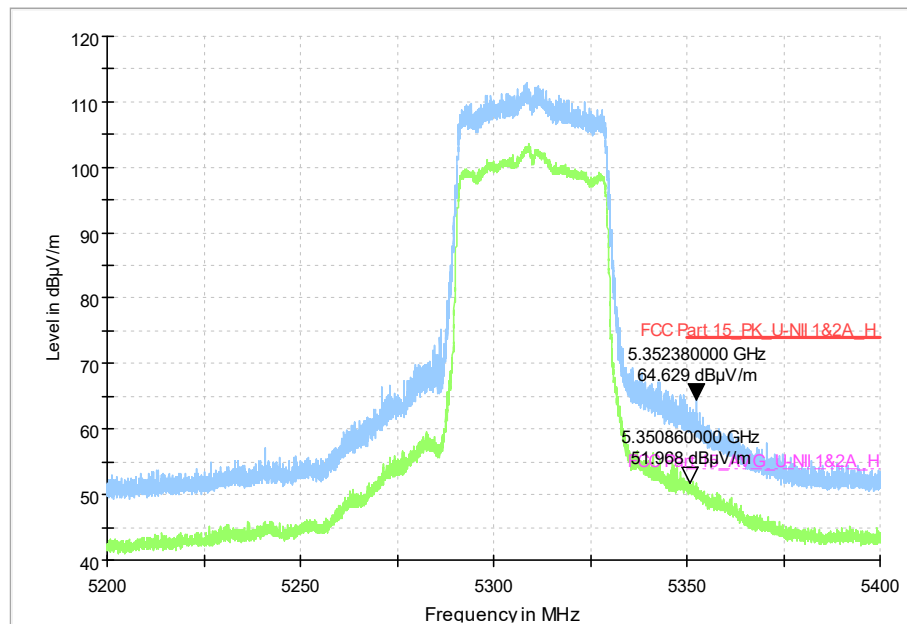


Fig. 14 Band Edges (802.11ax-HE40, CH62 5310MHz), MIMO

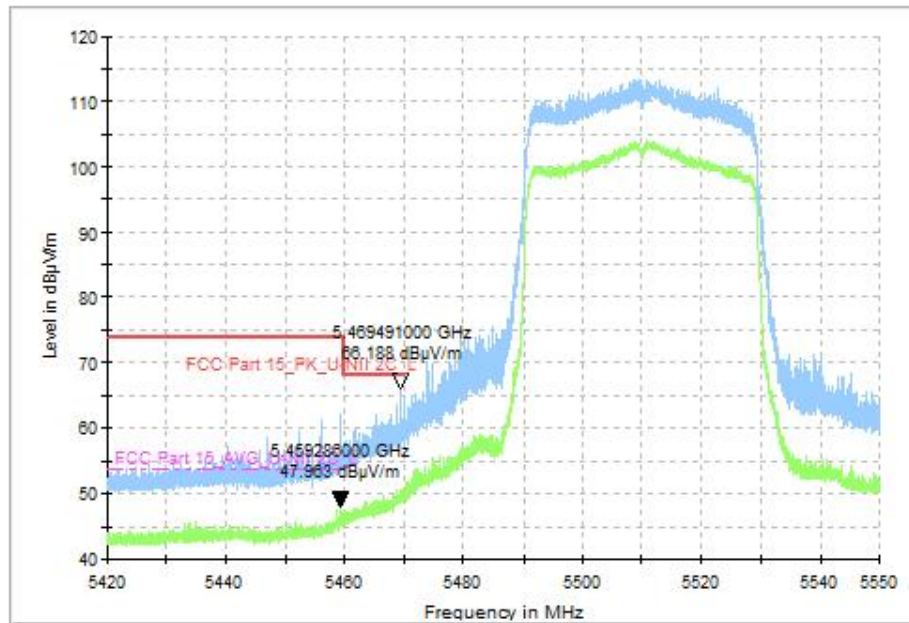


Fig. 15 Band Edges (802.11ax-HE40, CH102 5510MHz), MIMO

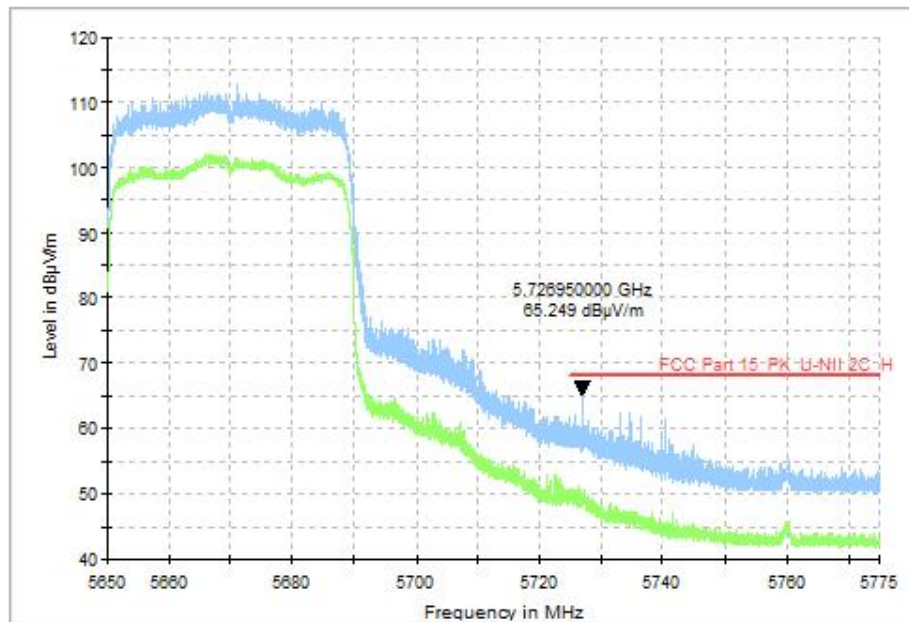


Fig. 16 Band Edges (802.11ax-HE40, CH134 5670MHz), MIMO

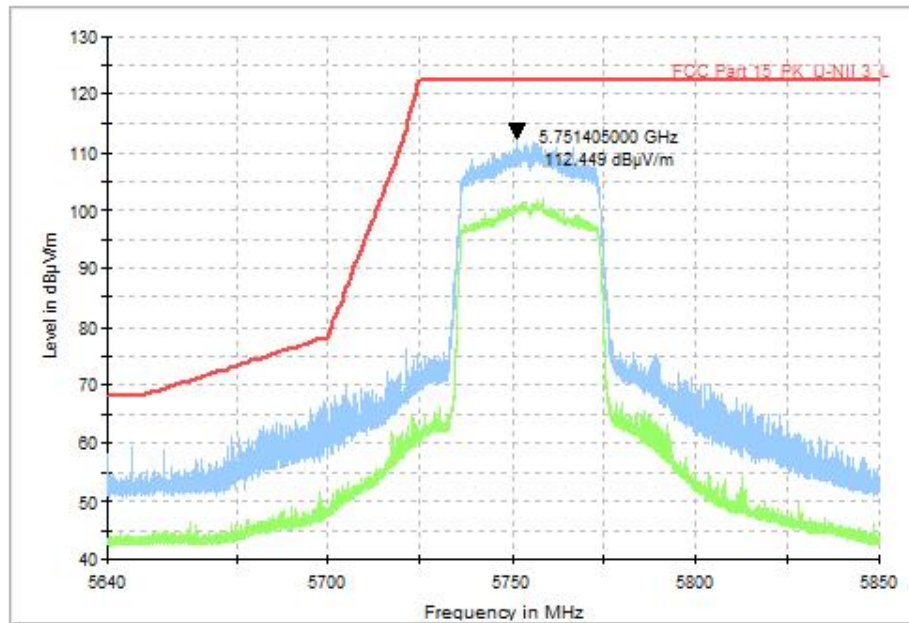


Fig. 17 Band Edges (802.11ax-HE40, CH151 5755MHz), MIMO

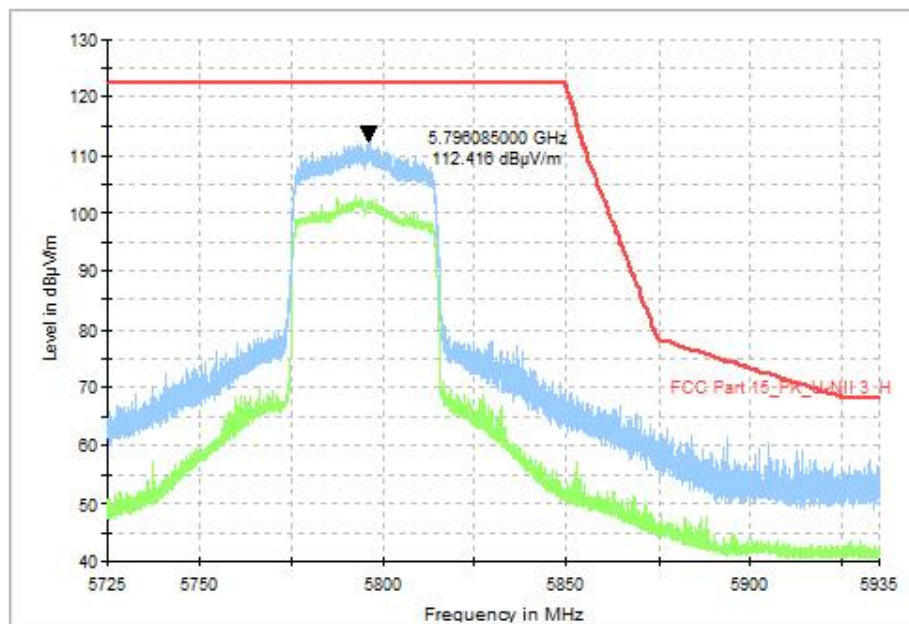


Fig. 18 Band Edges (802.11ax-HE40, CH159 5795MHz), MIMO

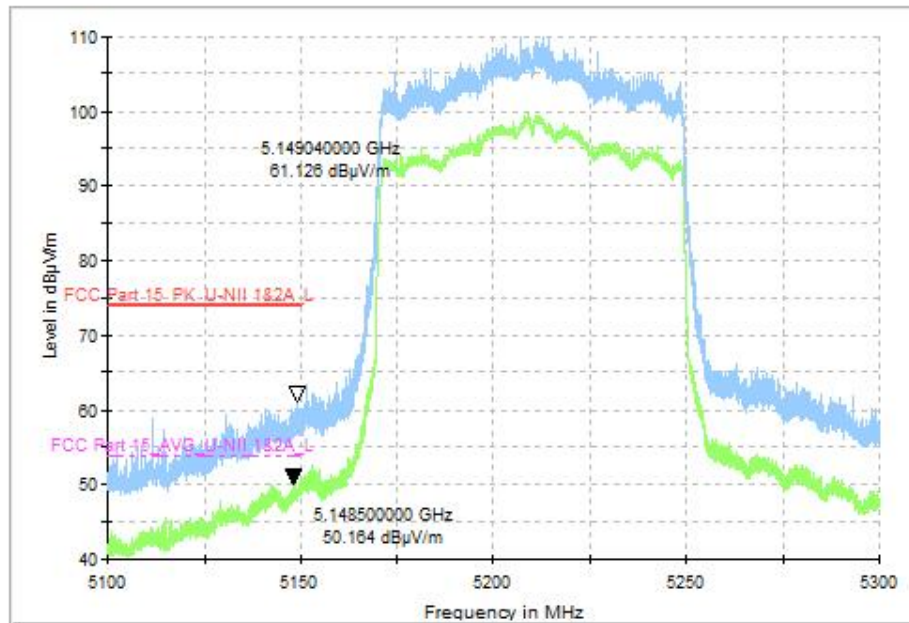


Fig. 19 Band Edges (802.11ax-HE80, CH42 5210MHz), MIMO

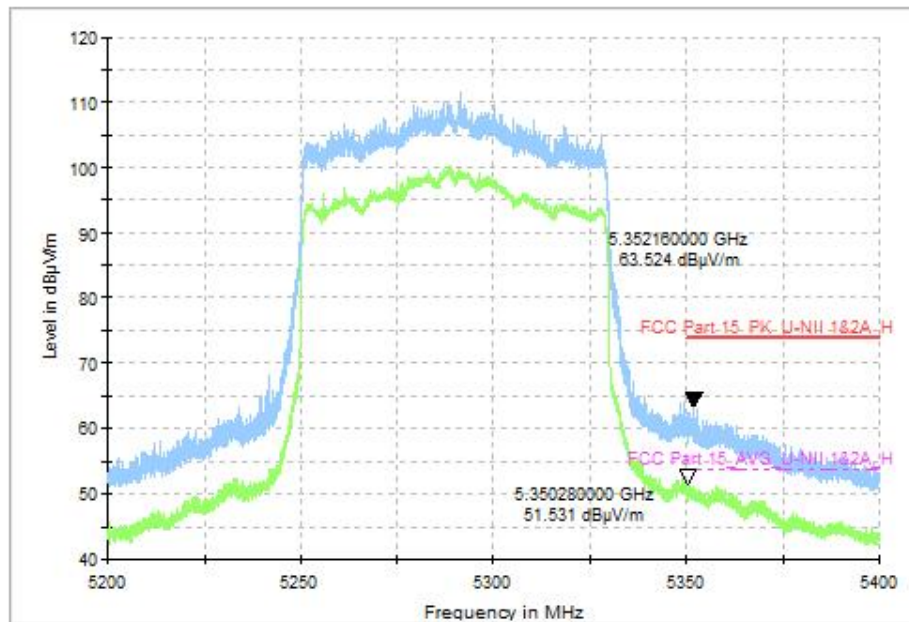


Fig. 20 Band Edges (802.11ax-HE80, CH58 5290MHz), MIMO

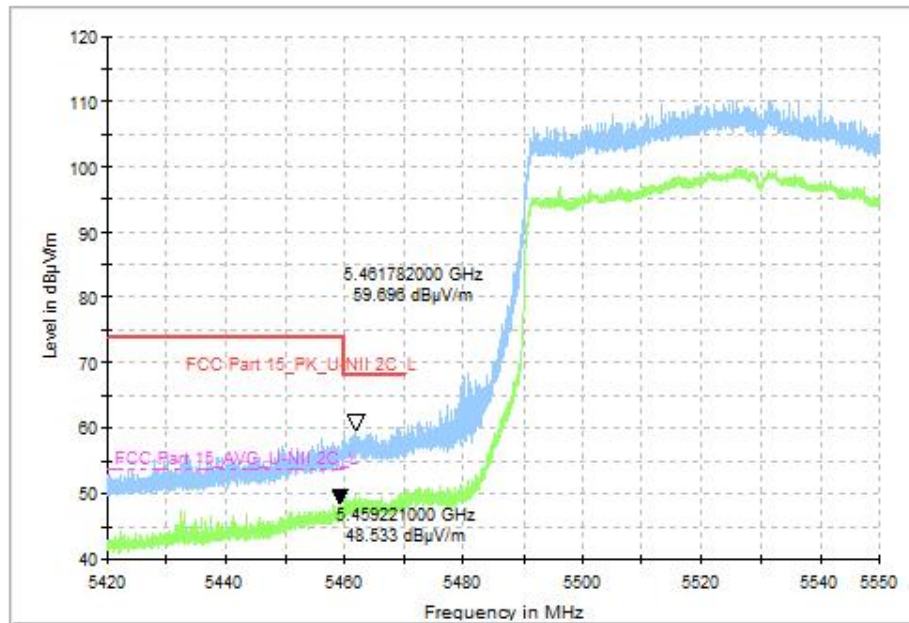


Fig. 21 Band Edges (802.11ax-HE80, CH106 5530MHz), MIMO

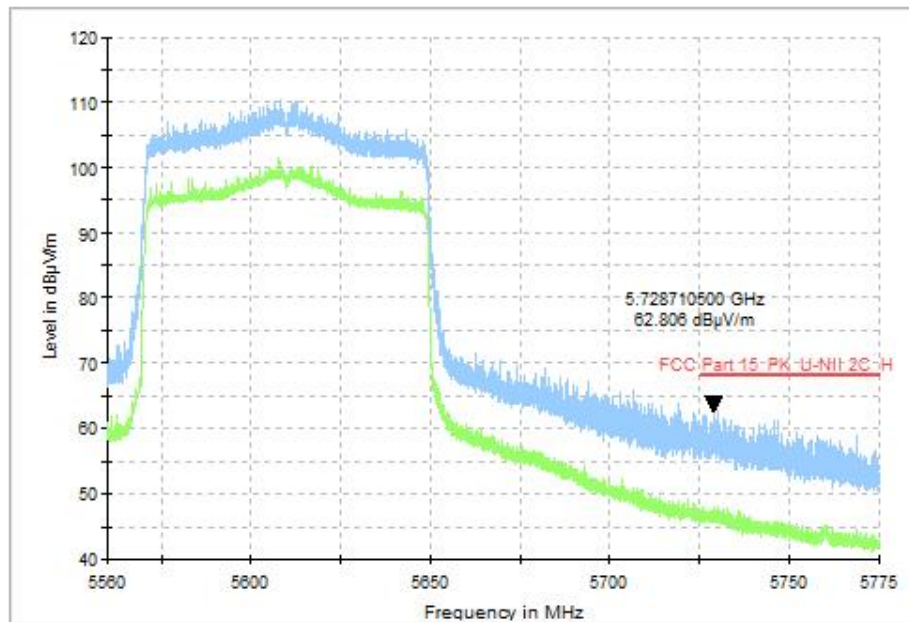


Fig. 22 Band Edges (802.11ax-HE80, CH122 5610MHz), MIMO

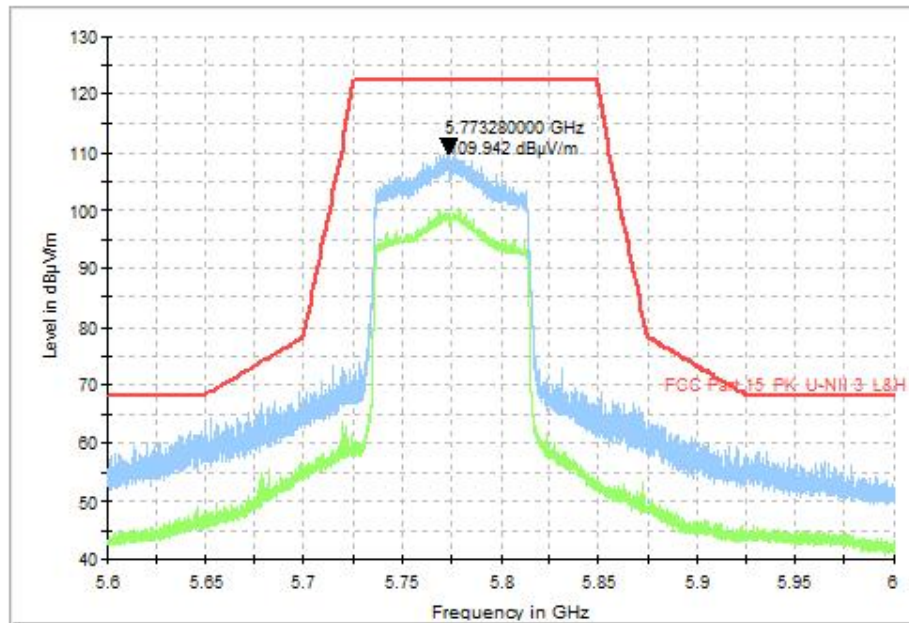


Fig. 23 Band Edges (802.11ax-HE80, CH155 5775MHz), MIMO

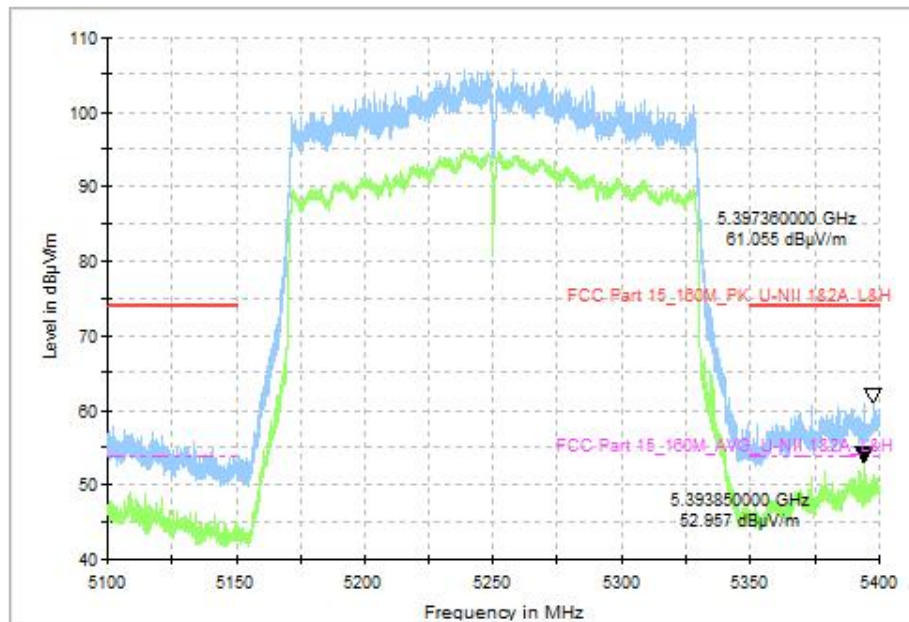


Fig. 24 Band Edges (802.11ax-HE160, CH50 5250MHz), MIMO

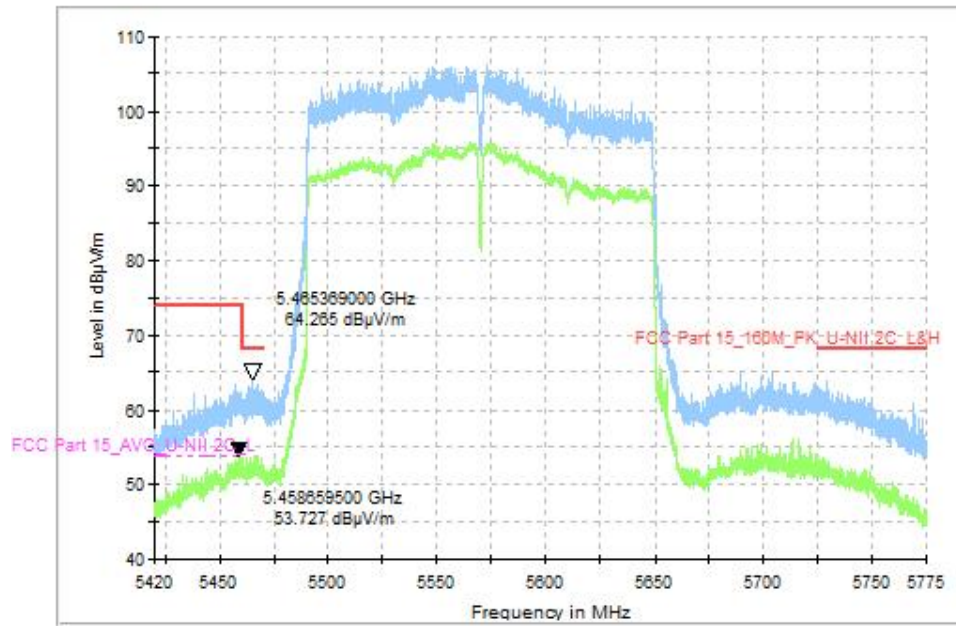


Fig. 25 Band Edges (802.11ax-HE160, CH114 5570MHz), MIMO

A.9. Transmitter Spurious Emission

Measurement of method: See KDB 789033 D02 v02r01, Section G.3, G.4, G.5 and G.6.

Measurement Limit:

Standard	Limit (dBμV/m)	
FCC 47 CFR Part 15.209	Peak	74
	Average	54

The measurement is made according to KDB 789033.

In addition, radiated emissions which fall in the restricted bands, as defined in § 15.205(a), must also comply with the radiated emission limits specified in § 15.209(a) (see § 15.205(c)).

Limit in restricted band:

Frequency of emission (MHz)	Field strength (dBμV/m)	Measurement distance (m)
30-88	40.0	3
88-216	43.5	3
216-960	46.0	3
Above 960	54.0	3

Note: For frequency range below 960MHz, the limit in 15.209 is defined in 10m test distance. The limit used above is calculated from 10m to 3m.

The measurement results include the horizontal polarization and vertical polarization measurements. For radiated measurement, pre-scanned in three orthogonal panels, X, Y, Z. The worst cases were recorded in this report.

Measurement Result:

Mode	Frequency (MHz)	Frequency Range	Test Results	Conclusion
802.11a	5180MHz(CH36)	1 GHz ~18 GHz	Fig.26	P
	5200MHz(CH40)	1 GHz ~18 GHz	Fig.27	P
	5240MHz(CH48)	1 GHz ~18 GHz	Fig.28	P
	5260MHz(CH52)	1 GHz ~18 GHz	Fig.29	P
	5280MHz(CH56)	1 GHz ~18 GHz	Fig.30	P
	5320MHz(CH64)	1 GHz ~18 GHz	Fig.31	P
	5500MHz(CH100)	1 GHz ~18 GHz	Fig.32	P
	5600MHz(CH120)	1 GHz ~18 GHz	Fig.33	P
	5700MHz(CH140)	1 GHz ~18 GHz	Fig.34	P
	5745MHz(CH149)	1 GHz ~18 GHz	Fig.35	P
	5785MHz(CH157)	1 GHz ~18 GHz	Fig.36	P
	5825MHz(CH165)	1 GHz ~18 GHz	Fig.37	P
802.11ax -HE20	5180MHz(CH36)	1 GHz ~18 GHz	Fig.38	P
	5200MHz(CH40)	1 GHz ~18 GHz	Fig.39	P
	5240MHz(CH48)	1 GHz ~18 GHz	Fig.40	P
	5260MHz(CH52)	1 GHz ~18 GHz	Fig.41	P

	5280MHz(CH56)	1 GHz ~18 GHz	Fig.42	P
	5320MHz(CH64)	1 GHz ~18 GHz	Fig.43	P
	5500MHz(CH100)	1 GHz ~18 GHz	Fig.44	P
	5600MHz(CH120)	1 GHz ~18 GHz	Fig.45	P
	5700MHz(CH140)	1 GHz ~18 GHz	Fig.46	P
	5745MHz(CH149)	1 GHz ~18 GHz	Fig.47	P
	5785MHz(CH157)	1 GHz ~18 GHz	Fig.48	P
	5825MHz(CH165)	1 GHz ~18 GHz	Fig.49	P
802.11ax -HE40	5190MHz(CH38)	1 GHz ~18 GHz	Fig.50	P
	5230MHz(CH46)	1 GHz ~18 GHz	Fig.51	P
	5270MHz(CH54)	1 GHz ~18 GHz	Fig.52	P
	5310MHz(CH62)	1 GHz ~18 GHz	Fig.53	P
	5510MHz(CH102)	1 GHz ~18 GHz	Fig.54	P
	5580MHz(CH118)	1 GHz ~18 GHz	Fig.55	P
	5670MHz(CH134)	1 GHz ~18 GHz	Fig.56	P
	5755MHz(CH151)	1 GHz ~18 GHz	Fig.57	P
5795MHz(CH159)	1 GHz ~18 GHz	Fig.58	P	
802.11ax -HE80	5210MHz(CH42)	1 GHz ~18 GHz	Fig.59	P
	5290MHz(CH58)	1 GHz ~18 GHz	Fig.60	P
	5530MHz(CH106)	1 GHz ~18 GHz	Fig.61	P
	5610MHz(CH122)	1 GHz ~18 GHz	Fig.62	P
	5775MHz(CH155)	1 GHz ~18 GHz	Fig.63	P
802.11ax -HE160	5250MHz(CH50)	1 GHz ~18 GHz	Fig.64	P
	5570MHz(CH114)	1 GHz ~18 GHz	Fig.65	P
All channels		30 MHz ~1 GHz	Fig.66	P
		18 GHz ~26.5 GHz	Fig.67	P
		26.5GHz~40GHz	Fig.68	P

The mode of 11a and 11ax are the worst type.

Worst Case Result:

802.11a CH149

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7389.692308	45.29	74.00	28.71	H	7.0
8262.461539	43.63	74.00	30.37	H	6.3
11028.923077	45.15	74.00	28.85	H	10.8
12385.384615	48.56	74.00	25.44	H	12.7
15637.384615	50.49	74.00	23.51	V	14.0
17710.153846	54.71	74.00	19.29	H	20.6

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7389.692308	34.14	54.00	19.86	H	7.0



8262.461539	32.94	54.00	21.06	H	6.3
11028.923077	35.34	54.00	18.66	H	10.8
12385.384615	37.59	54.00	16.41	H	12.7
15637.384615	40.10	54.00	13.90	V	14.0
17710.153846	43.83	54.00	10.17	H	20.6

802.11ax-HE20 CH149

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8328.461539	44.54	74.00	29.46	H	6.9
11081.076923	47.10	74.00	26.90	V	11.0
11670.923077	46.84	74.00	27.16	V	11.5
12328.615385	49.75	74.00	24.25	H	12.7
15736.615385	50.69	74.00	23.31	H	14.3
17970.000000	53.51	74.00	20.49	V	20.6

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
8328.461539	33.76	54.00	20.24	H	6.9
11081.076923	36.67	54.00	17.33	V	11.0
11670.923077	36.55	54.00	17.45	V	11.5
12328.615385	37.76	54.00	16.24	H	12.7
15736.615385	40.15	54.00	13.85	H	14.3
17970.000000	43.10	54.00	10.90	V	20.6

802.11ax-HE40 CH151

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7499.076923	45.15	74.00	28.85	V	7.0
8383.846154	44.09	74.00	29.91	V	7.8
11147.538462	46.43	74.00	27.57	V	10.5
12333.692308	48.30	74.00	25.70	H	12.7
16056.000000	51.49	74.00	22.51	V	16.1
17712.461539	54.95	74.00	19.05	V	20.5

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7499.076923	35.02	54.00	18.98	V	7.0
8383.846154	34.18	54.00	19.82	V	7.8
11147.538462	36.14	54.00	17.86	V	10.5
12333.692308	37.90	54.00	16.10	H	12.7
16056.000000	41.07	54.00	12.93	V	16.1
17712.461539	44.07	54.00	9.93	V	20.5

802.11ax-HE80 CH155

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7455.692308	45.25	74.00	28.75	V	7.0
8336.769231	44.89	74.00	29.11	H	7.0
11093.076923	47.19	74.00	26.81	V	11.0
12273.230769	47.68	74.00	26.32	H	12.4
16098.923077	52.51	74.00	21.49	H	16.5
17714.769231	54.22	74.00	19.78	H	20.5

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7455.692308	35.02	54.00	18.98	V	7.0
8336.769231	33.35	54.00	20.65	H	7.0
11093.076923	36.72	54.00	17.28	V	11.0
12273.230769	37.17	54.00	16.83	H	12.4
16098.923077	41.83	54.00	12.17	H	16.5
17714.769231	43.93	54.00	10.07	H	20.5

802.11ax-HE160 CH114

Frequency (MHz)	MaxPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7454.769231	45.59	74.00	28.41	V	7.0
8161.384616	43.80	74.00	30.20	H	6.4
11132.307692	47.01	74.00	26.99	H	10.7
12030.000000	47.11	74.00	26.89	H	11.8
16007.076923	52.02	74.00	21.98	V	15.6
17701.384615	54.70	74.00	19.30	H	20.6

Frequency (MHz)	Average (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Pol	Corr. (dB/m)
7454.769231	34.91	54.00	19.09	V	7.0
8161.384616	33.51	54.00	20.49	H	6.4
11132.307692	35.96	54.00	18.04	H	10.7
12030.000000	37.08	54.00	16.92	H	11.8
16007.076923	40.84	54.00	13.16	V	15.6
17701.384615	44.35	54.00	9.65	H	20.6

Note:

A "reference path loss" is established and the A_{Rpl} is the attenuation of "reference path loss", and including the gain of receive antenna, the gain of the preamplifier, the cable loss. P_{Mea} is the field strength recorded from the instrument. The measurement results are obtained as described below:

Result = $P_{Mea} + A_{Rpl} = P_{Mea} + \text{Cable Loss} + \text{Antenna Factor}$

See below for test graphs.

Conclusion: PASS

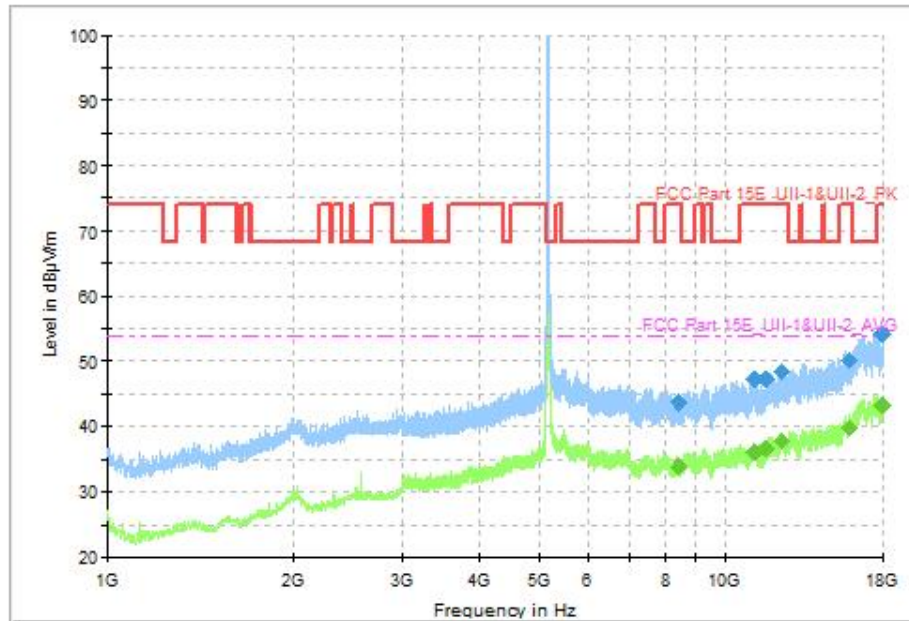


Fig. 26 Transmitter Spurious Emission (802.11a, CH36 5180MHz, 1GHz-18GHz)

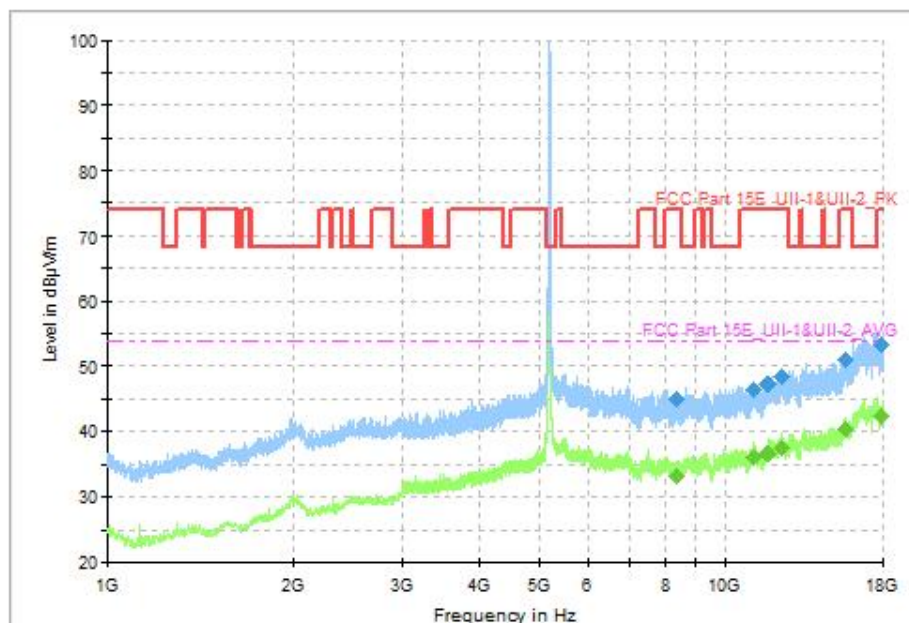


Fig. 27 Transmitter Spurious Emission (802.11a, CH40 5200MHz, 1GHz-18GHz)

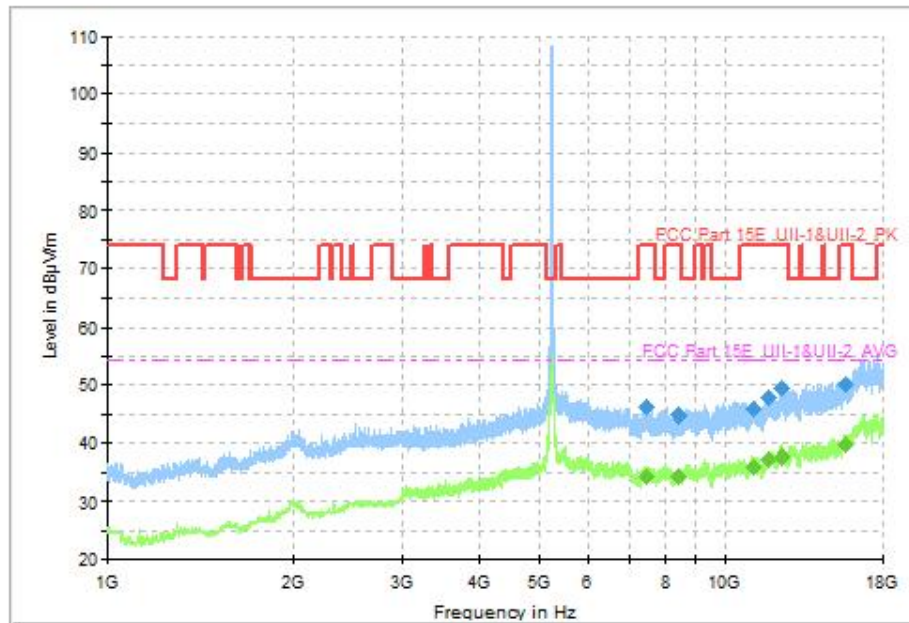


Fig. 28 Transmitter Spurious Emission (802.11a, CH48 5240MHz, 1GHz-18GHz)

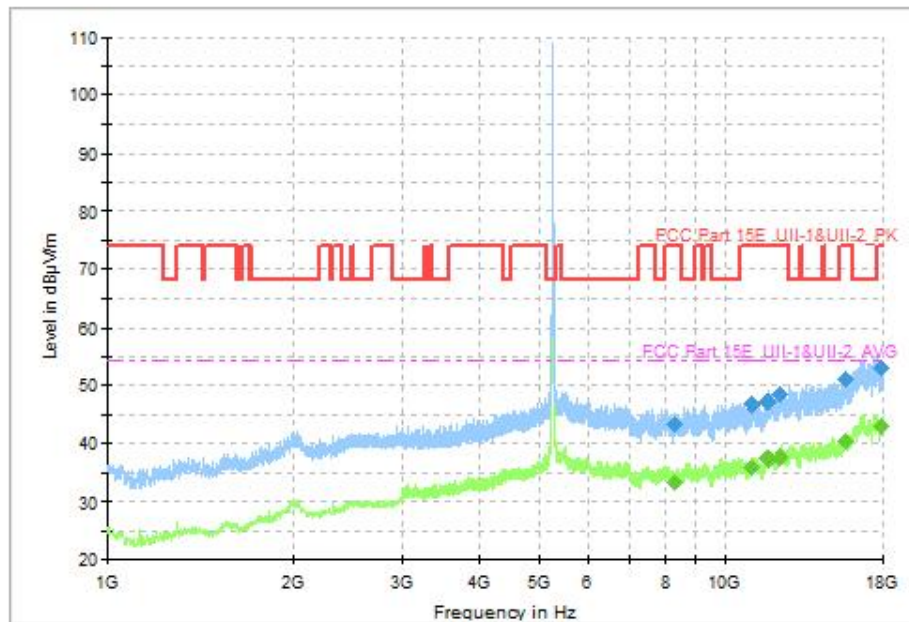


Fig. 29 Transmitter Spurious Emission (802.11a, CH52 5260MHz, 1GHz-18GHz)

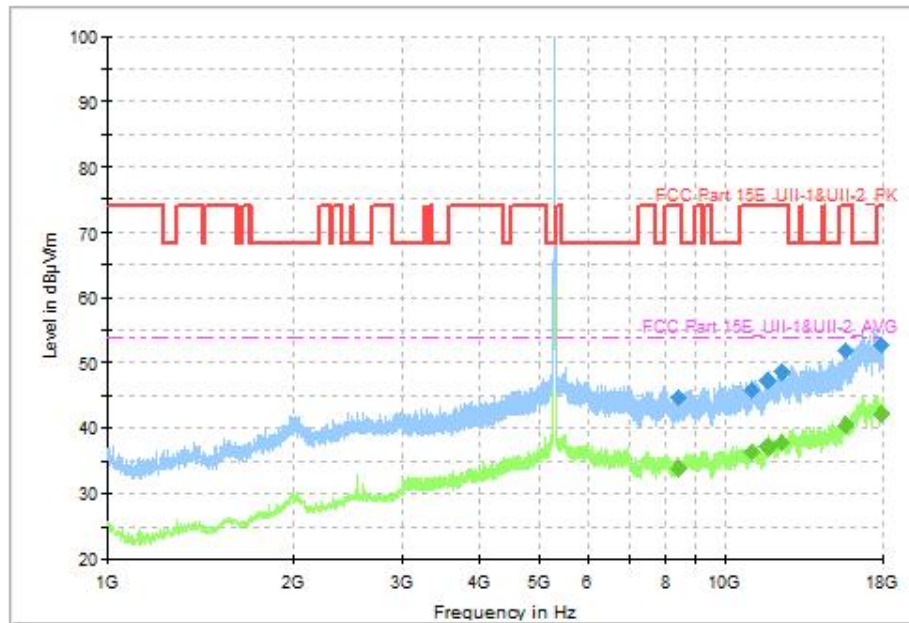


Fig. 30 Transmitter Spurious Emission (802.11a, CH56 5280MHz, 1GHz-18GHz)

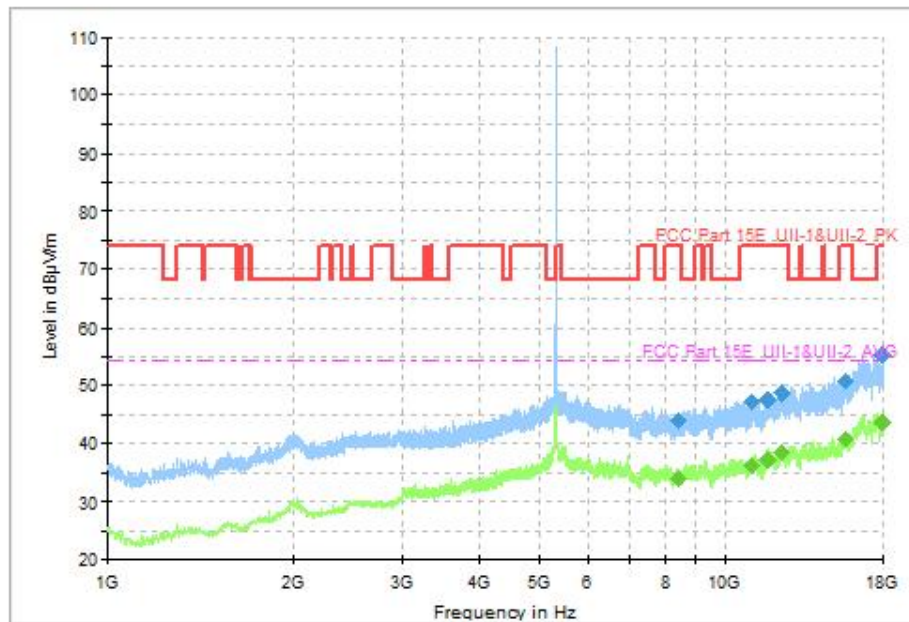


Fig. 31 Transmitter Spurious Emission (802.11a, CH64 5320MHz, 1GHz-18GHz)

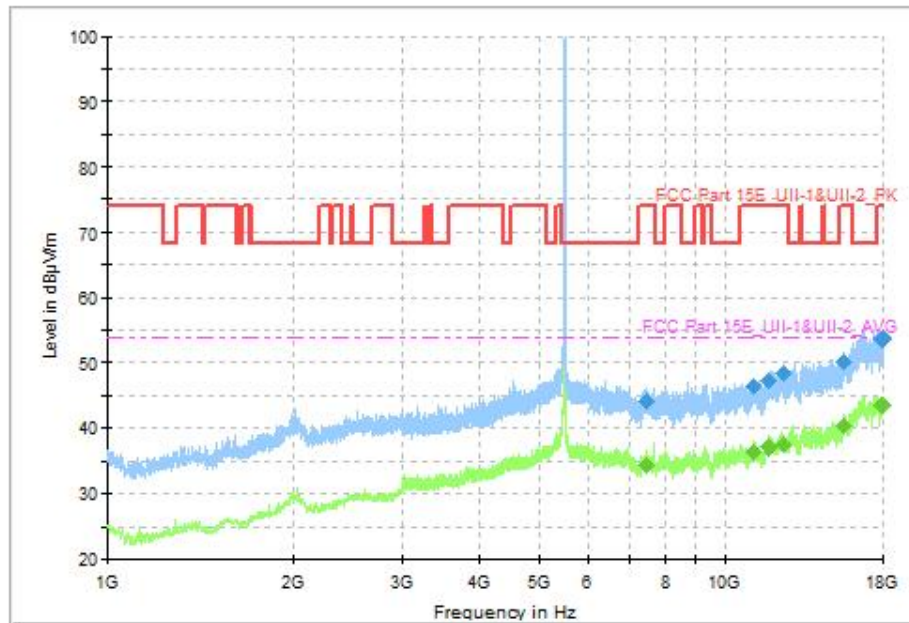


Fig. 32 Transmitter Spurious Emission (802.11a, CH100 5500MHz, 1GHz-18GHz)

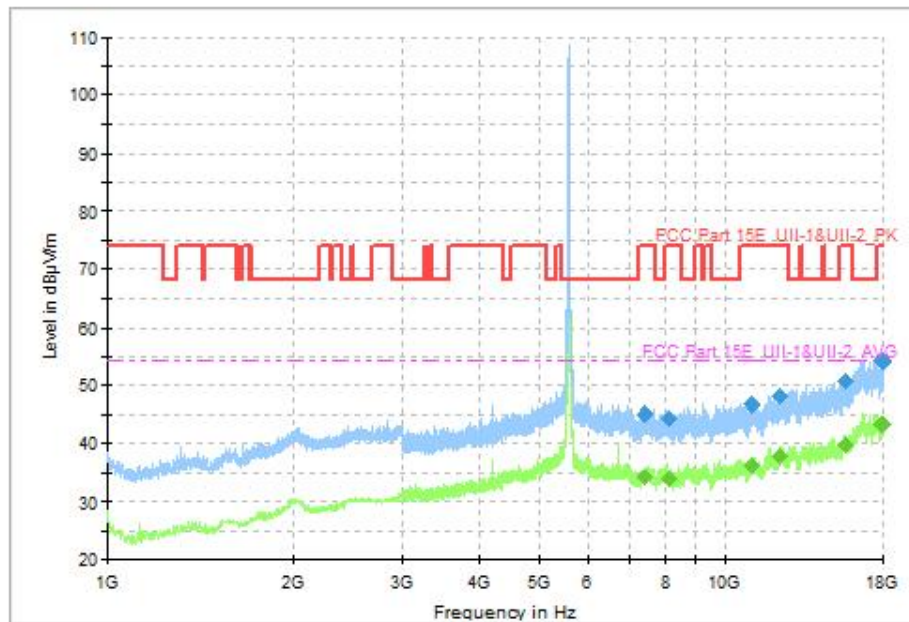


Fig. 33 Transmitter Spurious Emission (802.11a, CH120 5600MHz, 1GHz-18GHz)

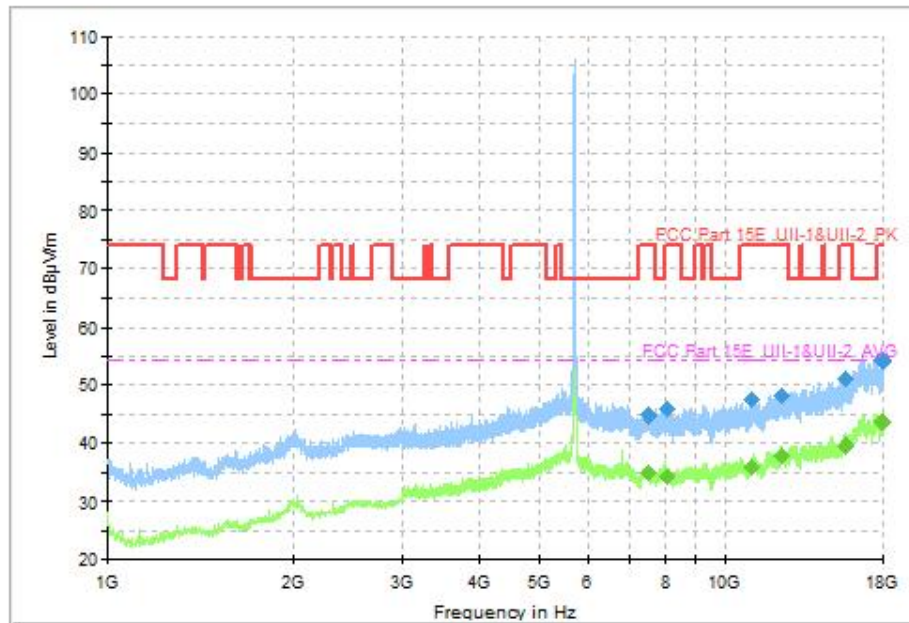


Fig. 34 Transmitter Spurious Emission (802.11a, CH140 5700MHz, 1GHz-18GHz)

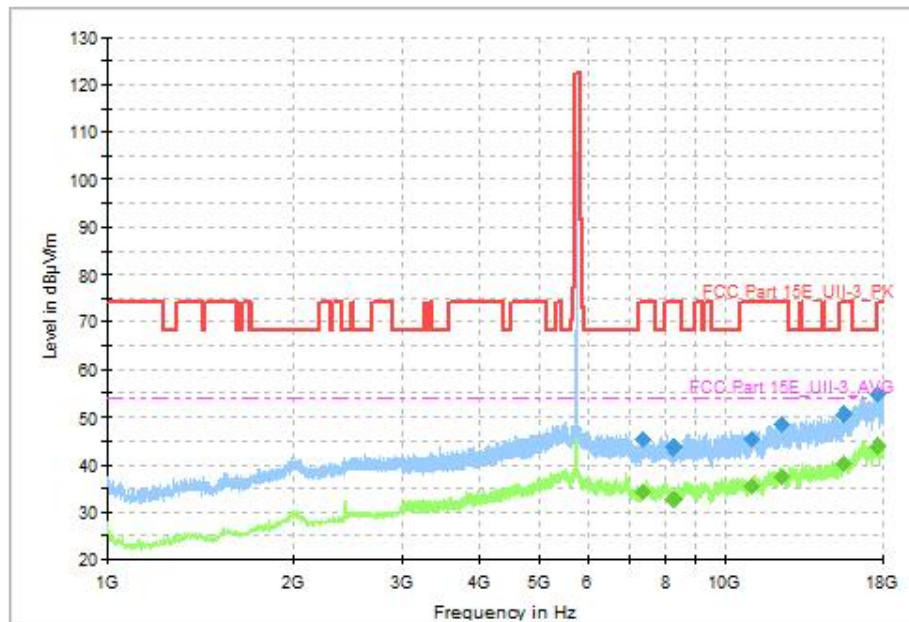


Fig. 35 Transmitter Spurious Emission (802.11a, CH149 5745MHz, 1GHz-18GHz)

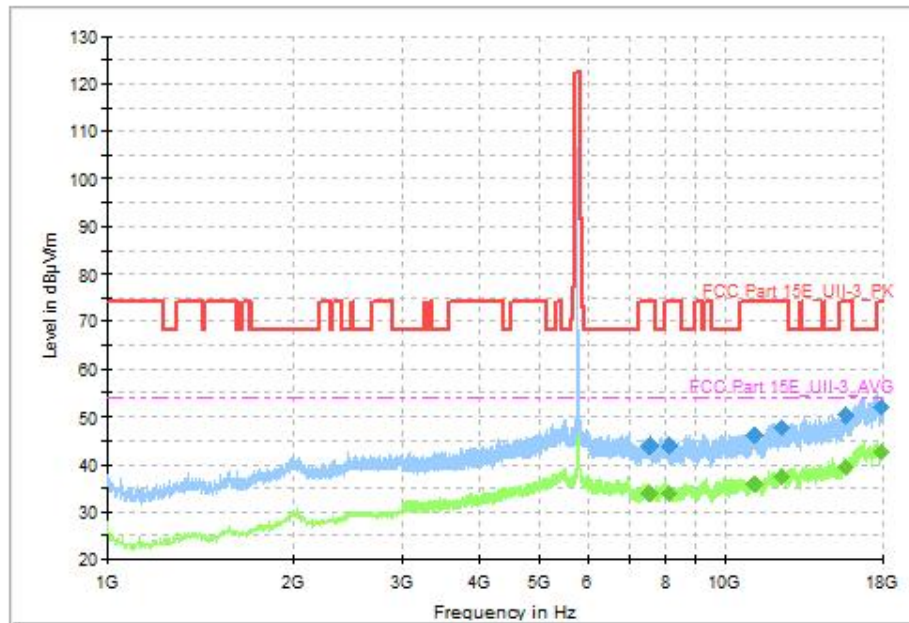


Fig. 36 Transmitter Spurious Emission (802.11a, CH157 5785MHz, 1GHz-18GHz)

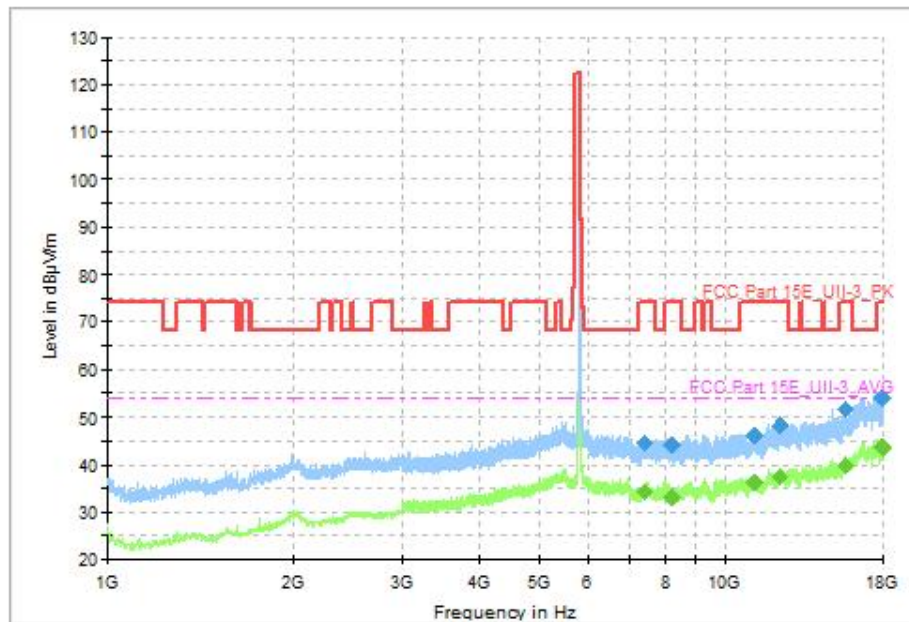


Fig. 37 Transmitter Spurious Emission (802.11a, CH165 5825MHz, 1GHz-18GHz)

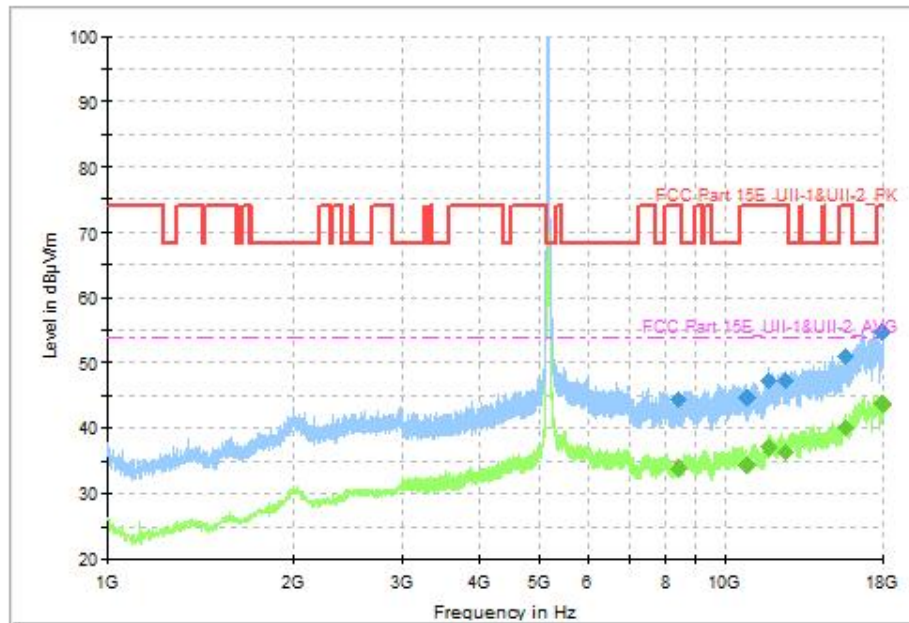


Fig. 38 Transmitter Spurious Emission (802.11ax-HE20, CH36 5180MHz, 1GHz-18GHz), MIMO

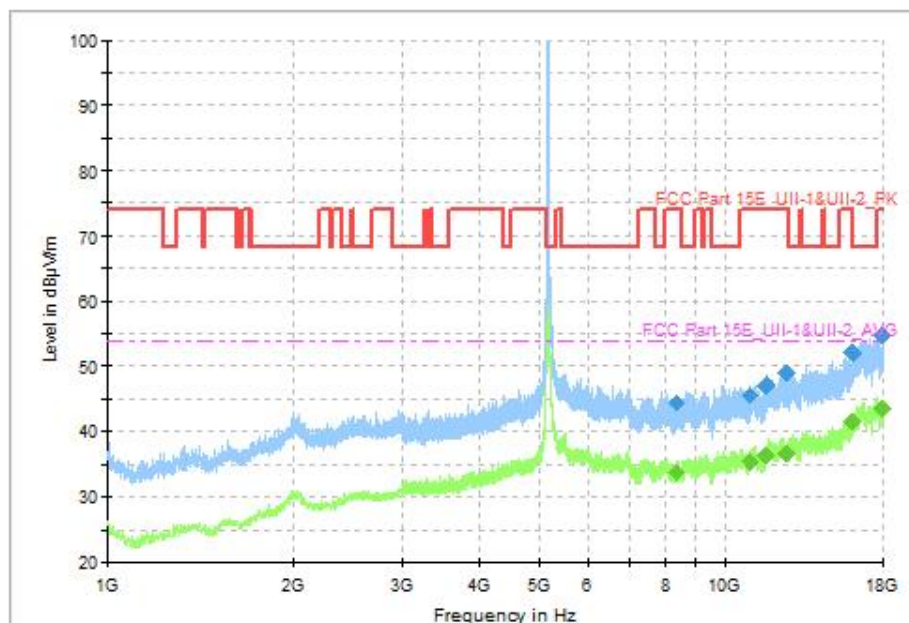


Fig. 39 Transmitter Spurious Emission (802.11ax-HE20, CH40 5200MHz, 1GHz-18GHz), MIMO

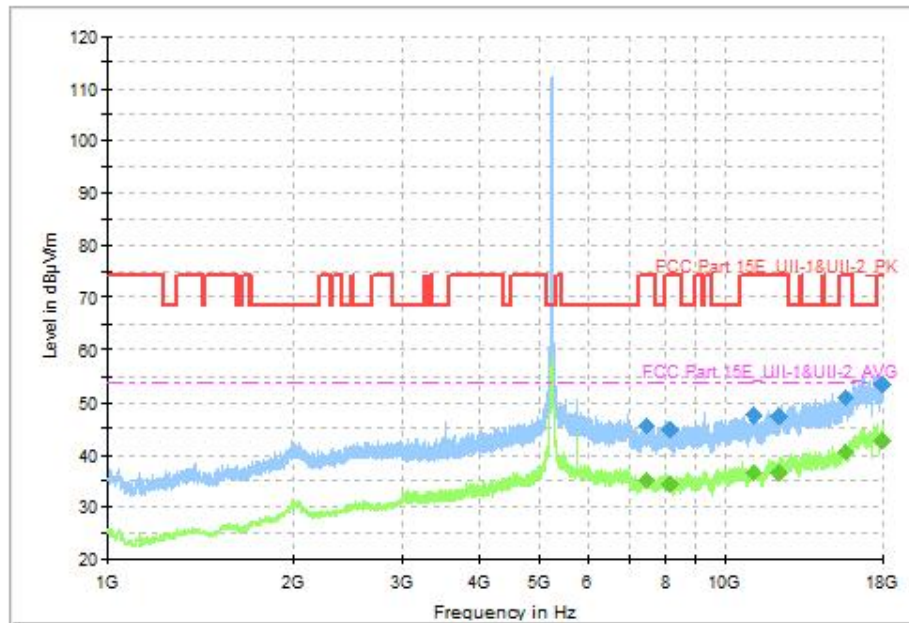


Fig. 40 Transmitter Spurious Emission (802.11ax-HE20, CH48 5240MHz, 1GHz-18GHz), MIMO

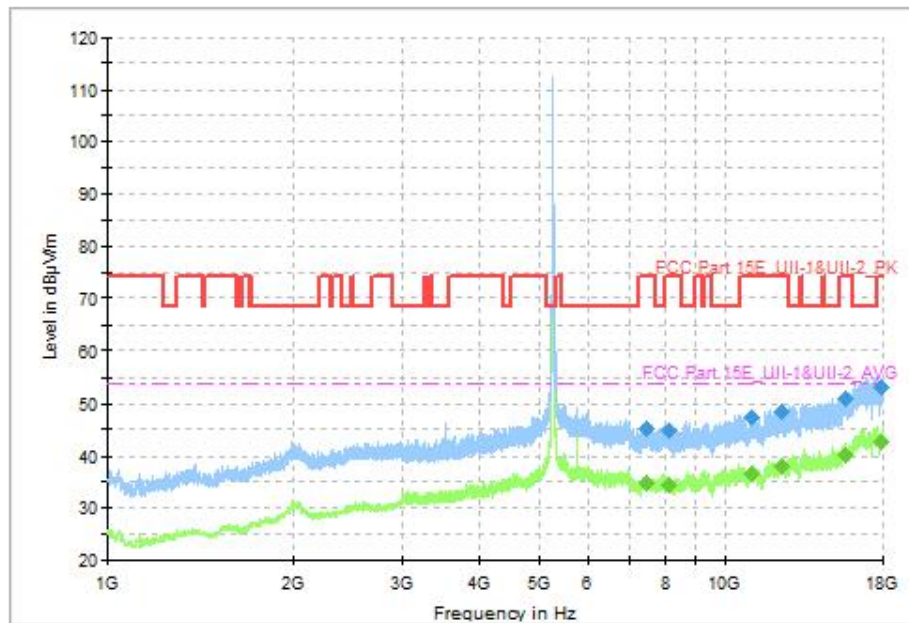


Fig. 41 Transmitter Spurious Emission (802.11ax-HE20, CH52 5260MHz, 1GHz-18GHz), MIMO

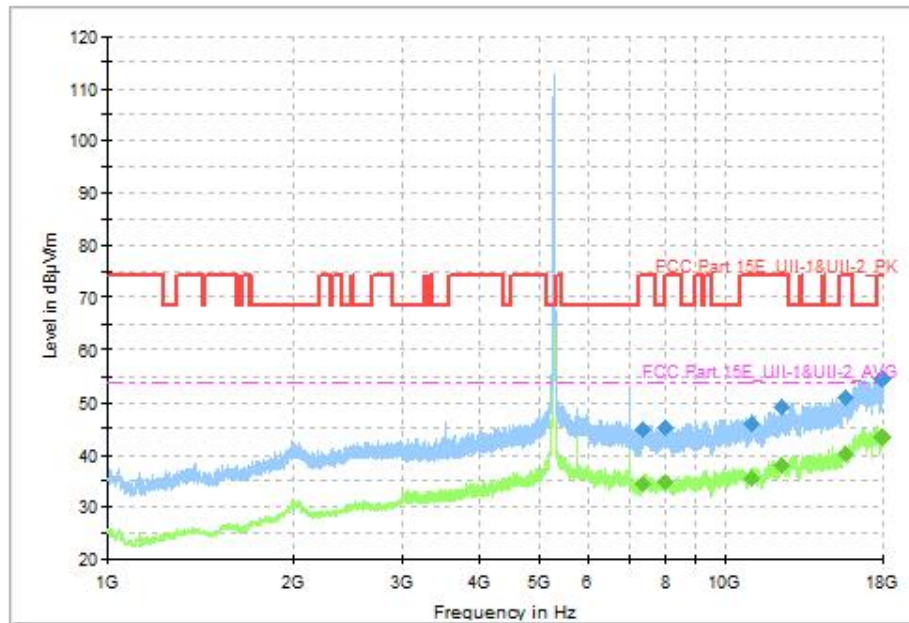


Fig. 42 Transmitter Spurious Emission (802.11ax-HE20, CH56 5280MHz, 1GHz-18GHz), MIMO

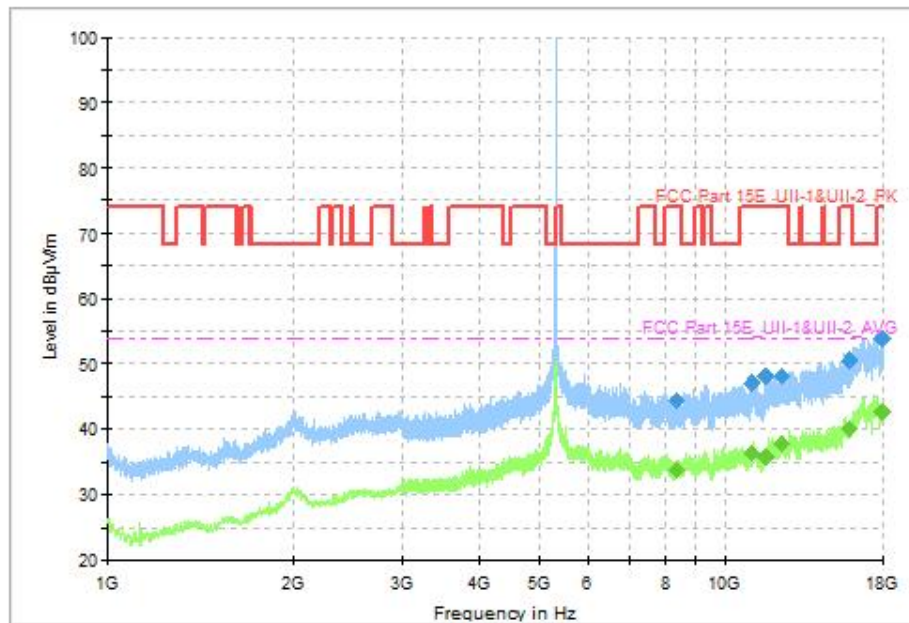


Fig. 43 Transmitter Spurious Emission (802.11ax-HE20, CH64 5320MHz, 1GHz-18GHz), MIMO

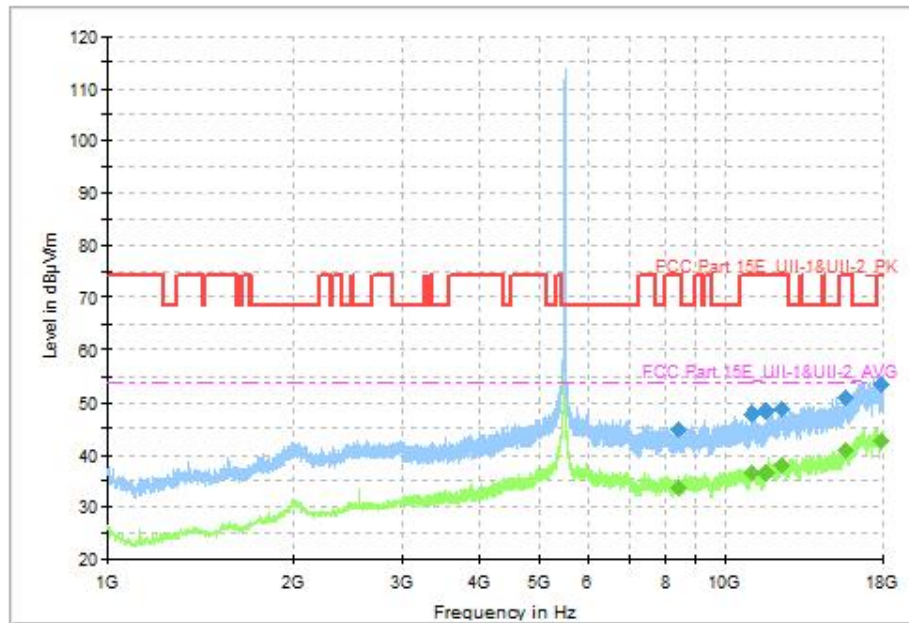


Fig. 44 Transmitter Spurious Emission (802.11ax-HE20, CH100 5500MHz, 1GHz-18GHz), MIMO

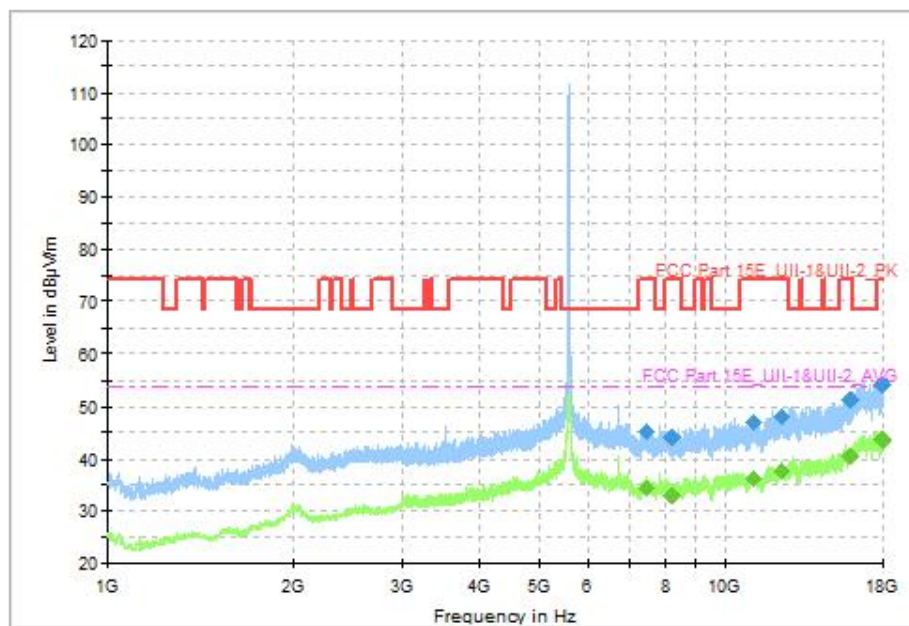


Fig. 45 Transmitter Spurious Emission (802.11ax-HE20, CH120 5600MHz, 1GHz-18GHz), MIMO

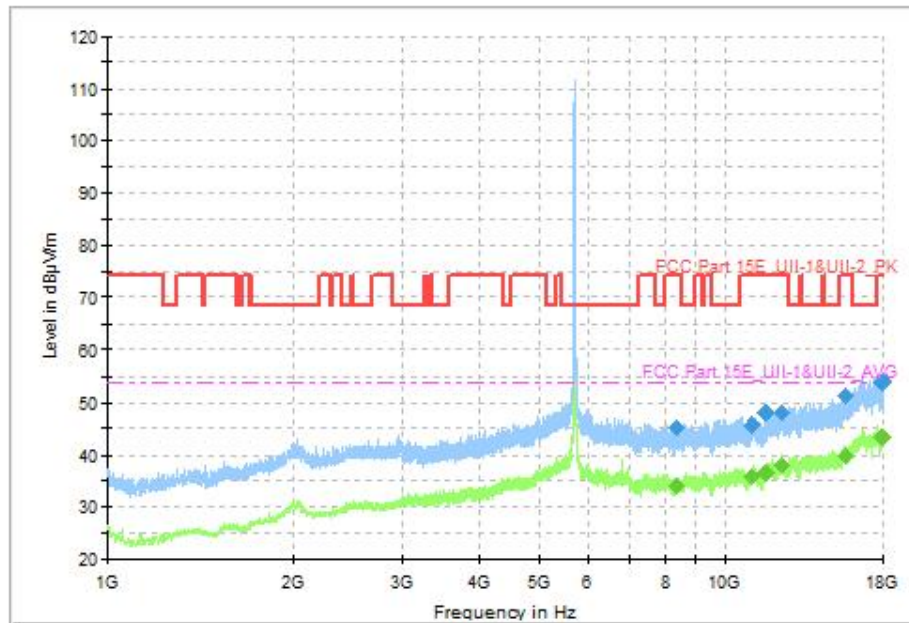


Fig. 46 Transmitter Spurious Emission (802.11ax-HE20, CH140 5700MHz, 1GHz-18GHz), MIMO

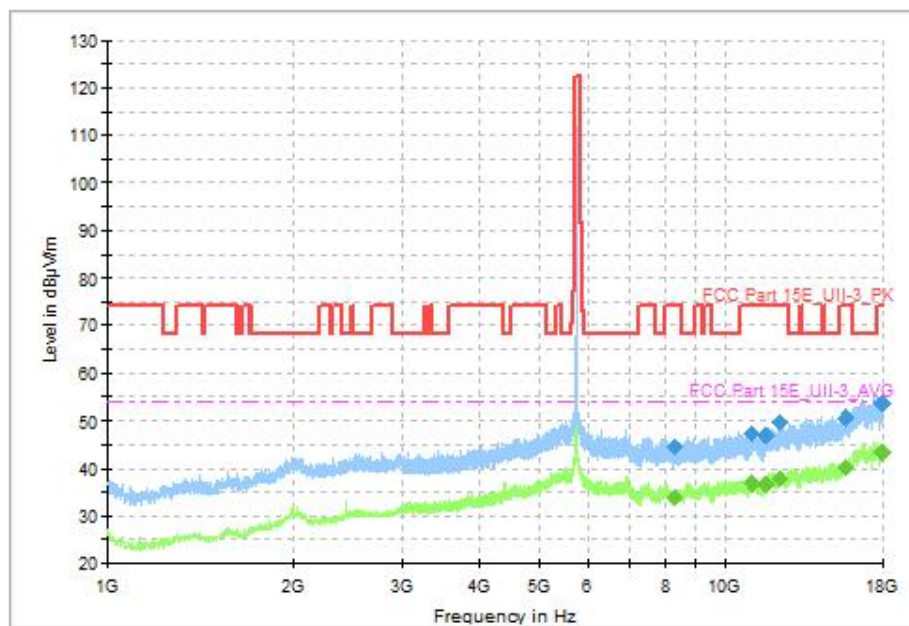


Fig. 47 Transmitter Spurious Emission (802.11ax-HE20, CH149 5745MHz, 1GHz-18GHz), MIMO

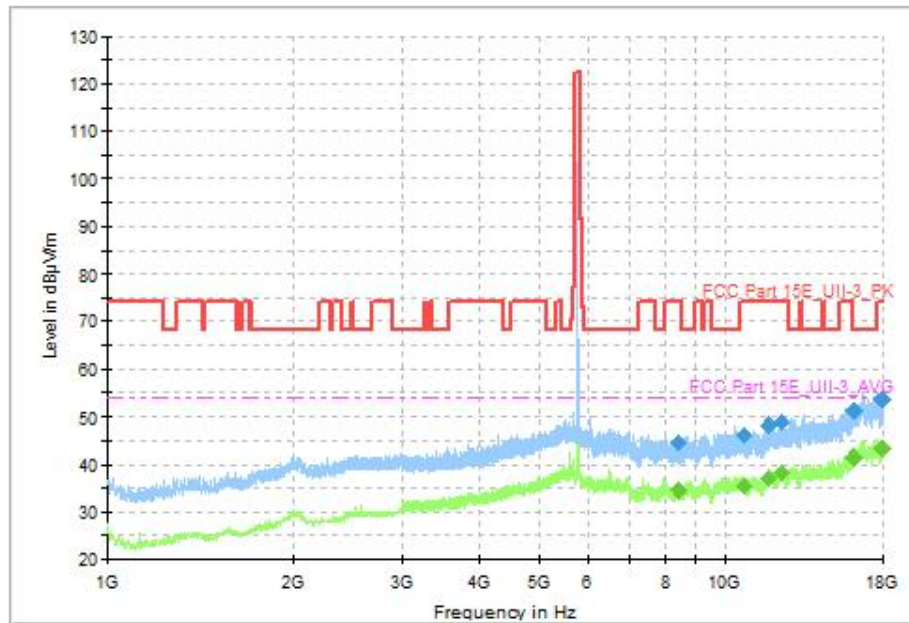


Fig. 48 Transmitter Spurious Emission (802.11ax-HE20, CH157 5785MHz, 1GHz-18GHz), MIMO

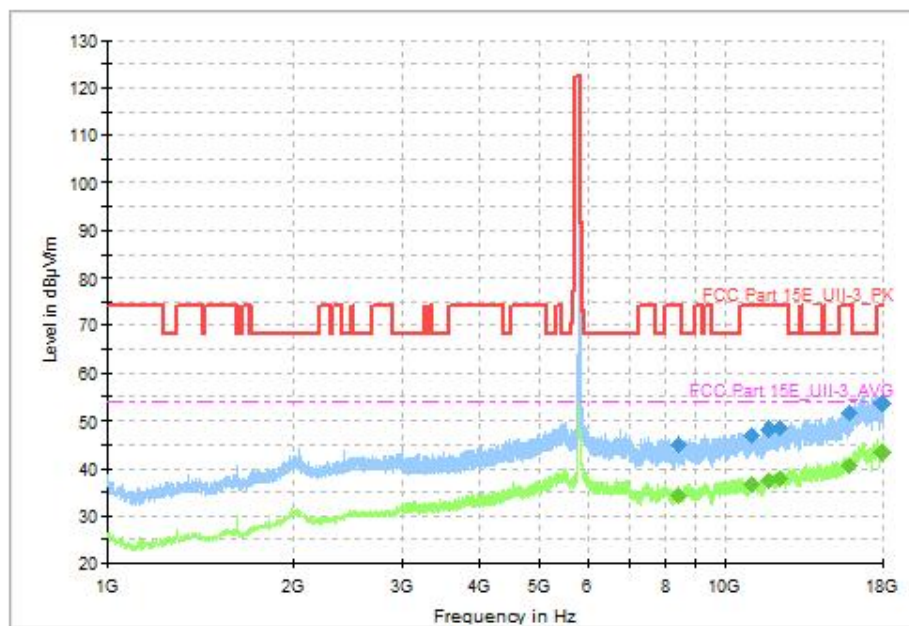


Fig. 49 Transmitter Spurious Emission (802.11ax-HE20, CH165 5825MHz, 1GHz-18GHz), MIMO

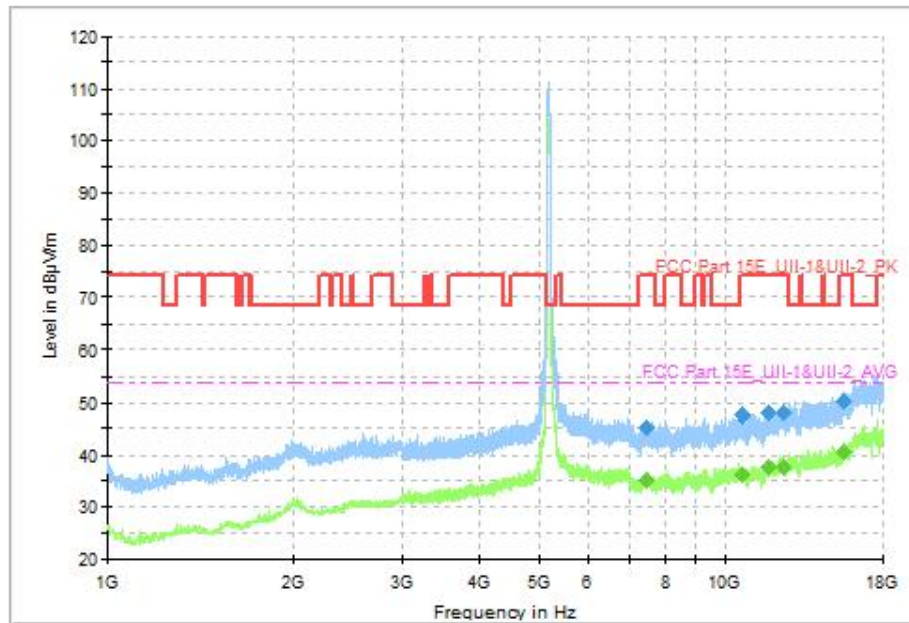


Fig. 50 Transmitter Spurious Emission (802.11ax-HE40, CH38 5190MHz, 1GHz-18GHz), MIMO

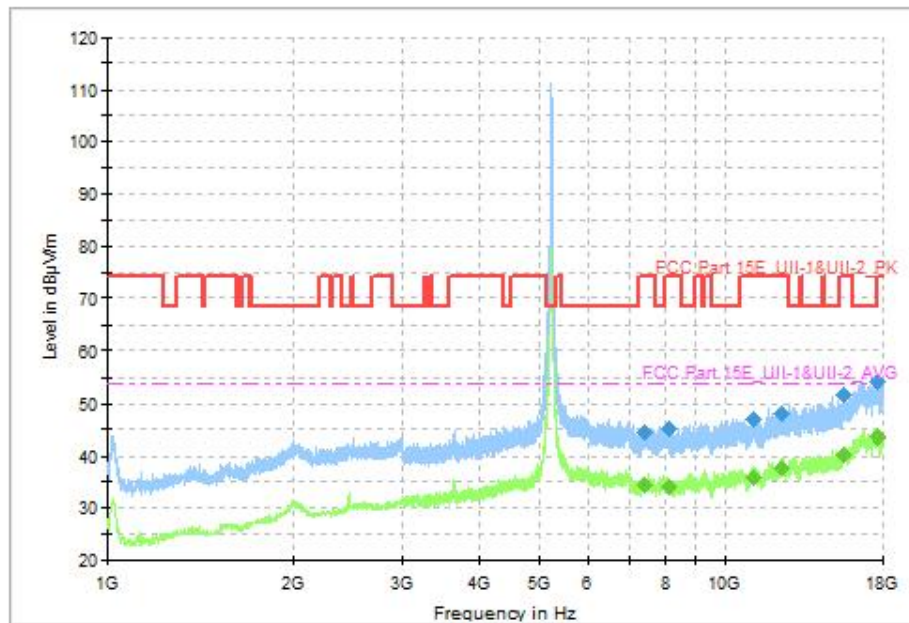


Fig. 51 Transmitter Spurious Emission (802.11ax-HE40, CH46 5230MHz, 1GHz-18GHz), MIMO

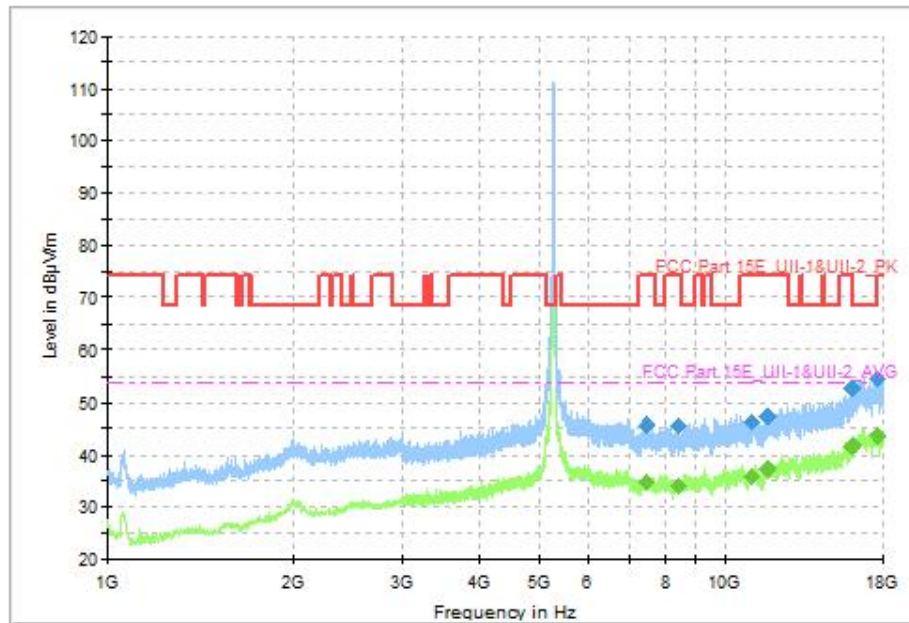


Fig. 52 Transmitter Spurious Emission (802.11ax-HE40, CH54 5270MHz, 1GHz-18GHz), MIMO

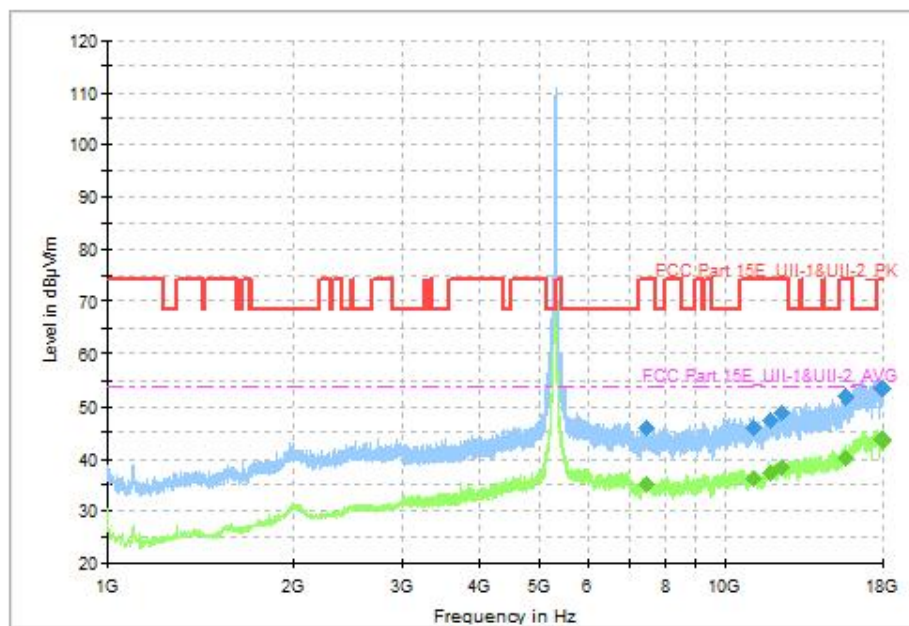


Fig. 53 Transmitter Spurious Emission (802.11ax-HE40, CH62 5310MHz, 1GHz-18GHz), MIMO

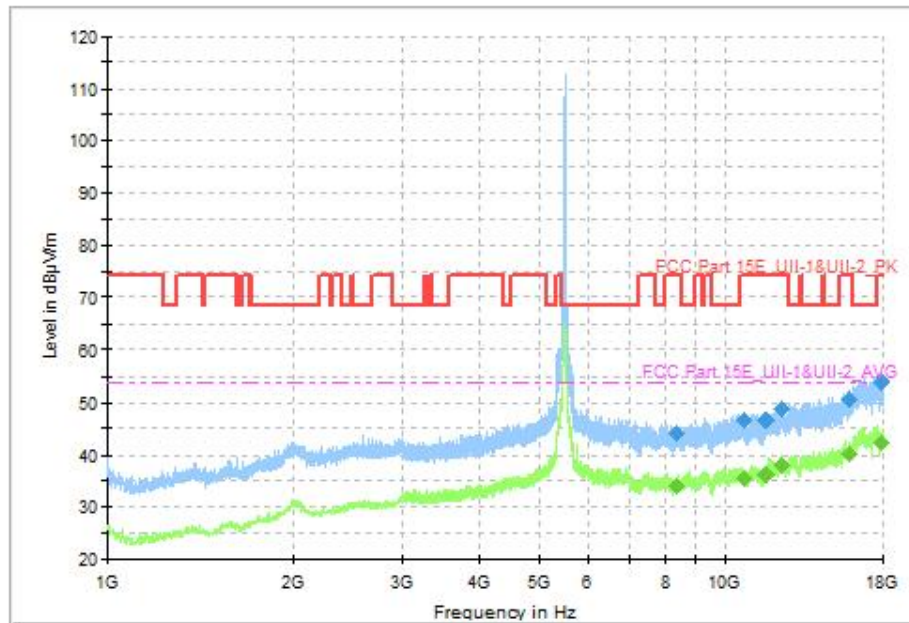


Fig. 54 Transmitter Spurious Emission (802.11ax-HE40, CH102 5510MHz, 1GHz-18GHz), MIMO

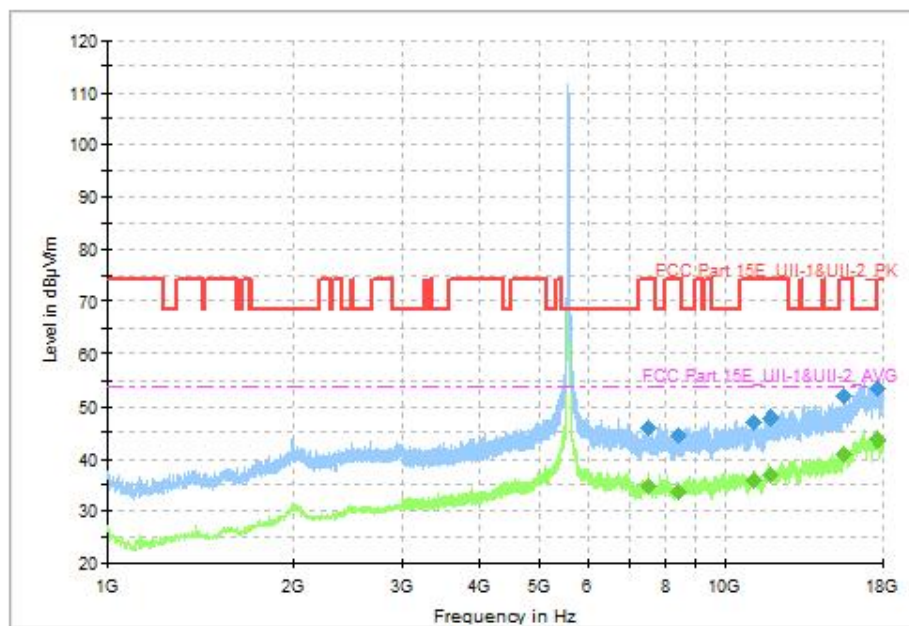


Fig. 55 Transmitter Spurious Emission (802.11ax-HE40, CH118 5580MHz, 1GHz-18GHz), MIMO

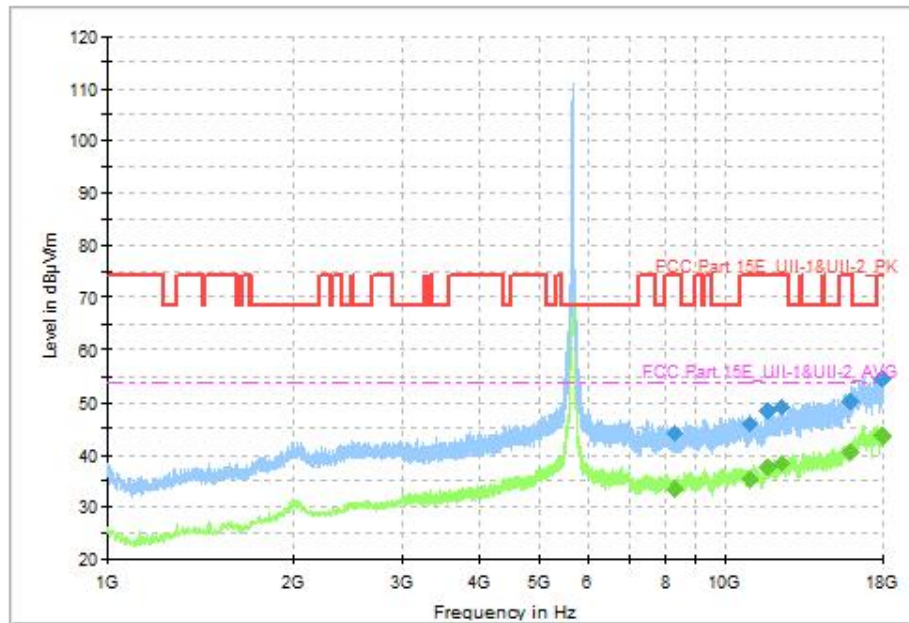


Fig. 56 Transmitter Spurious Emission (802.11ax-HE40, CH134 5670MHz, 1GHz-18GHz), MIMO

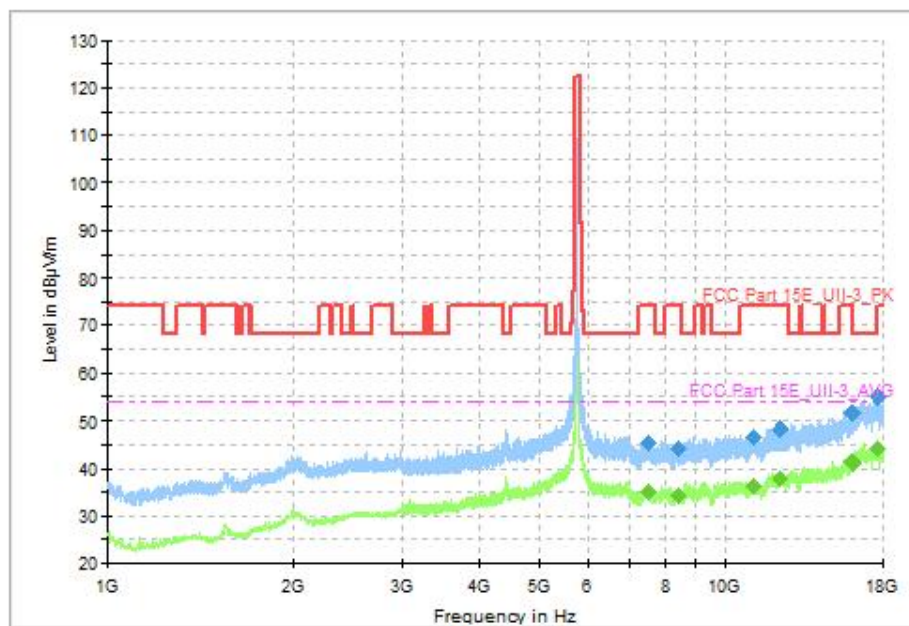


Fig. 57 Transmitter Spurious Emission (802.11ax-HE40, CH151 5755MHz, 1GHz-18GHz), MIMO

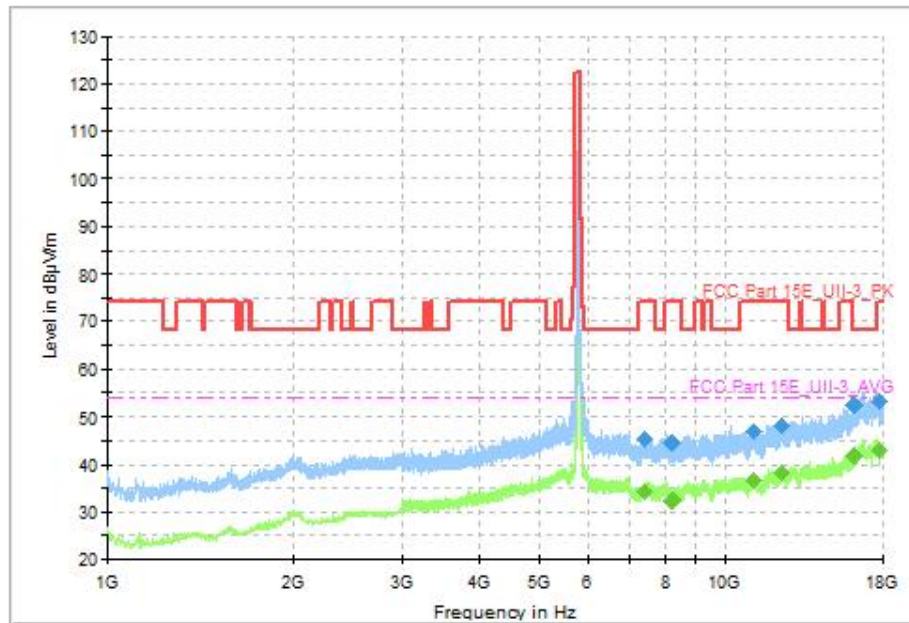


Fig. 58 Transmitter Spurious Emission (802.11ax-HE40, CH159 5795MHz, 1GHz-18GHz), MIMO

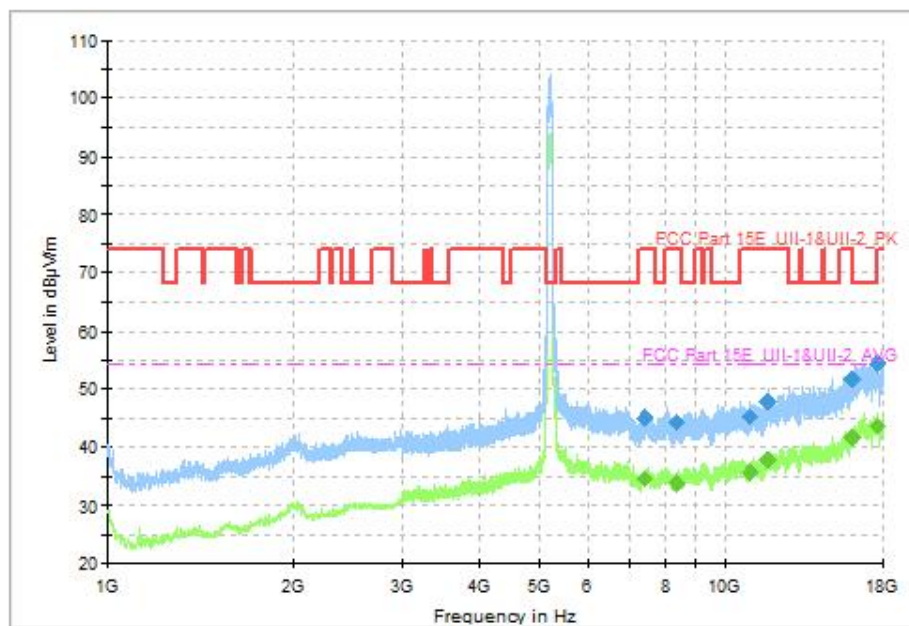


Fig. 59 Transmitter Spurious Emission (802.11ax-HE80, CH42 5210MHz, 1GHz-18GHz), MIMO

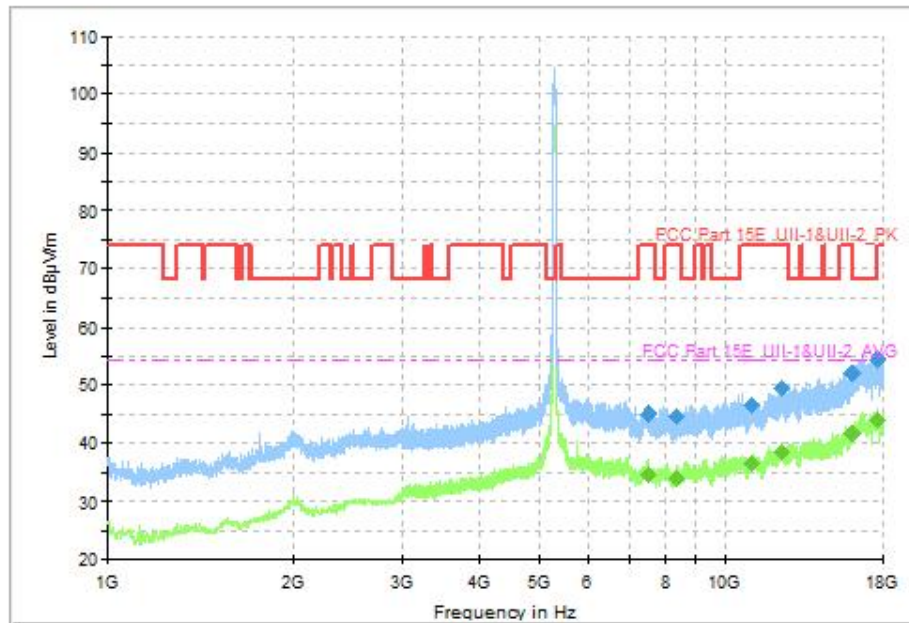


Fig. 60 Transmitter Spurious Emission (802.11ax-HE80, CH58 5290MHz, 1GHz-18GHz), MIMO

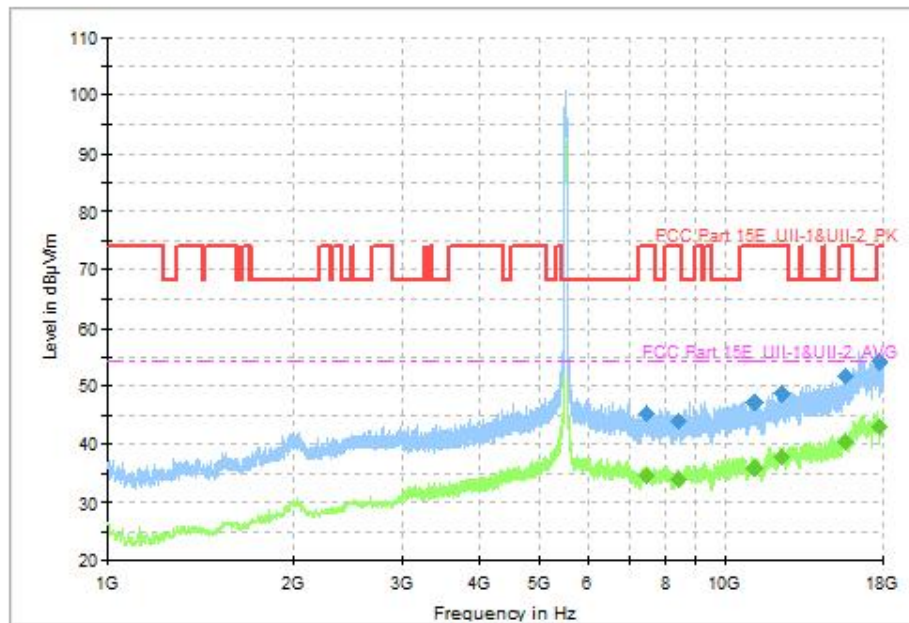


Fig. 61 Transmitter Spurious Emission (802.11ax-HE80, CH106 5530MHz, 1GHz-18GHz), MIMO

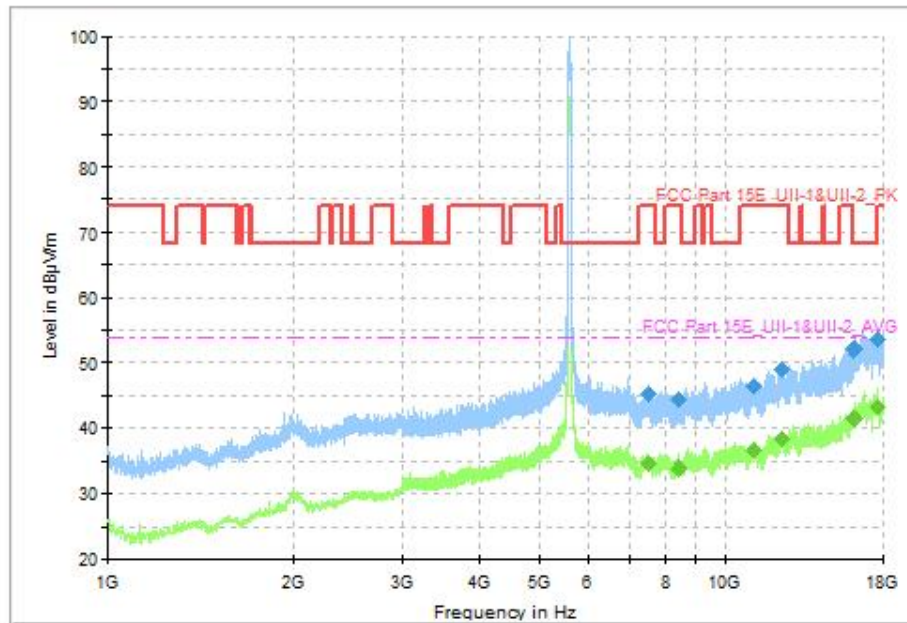


Fig. 62 Transmitter Spurious Emission (802.11ax-HE80, CH122 5610MHz, 1GHz-18GHz), MIMO

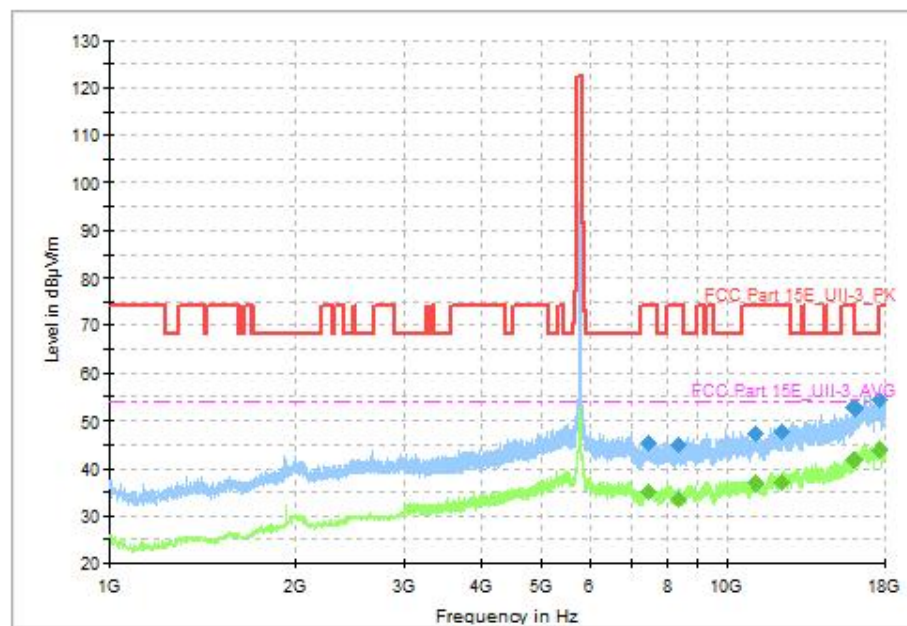


Fig. 63 Transmitter Spurious Emission (802.11ax-HE80, CH155 5775MHz, 1GHz-18GHz), MIMO

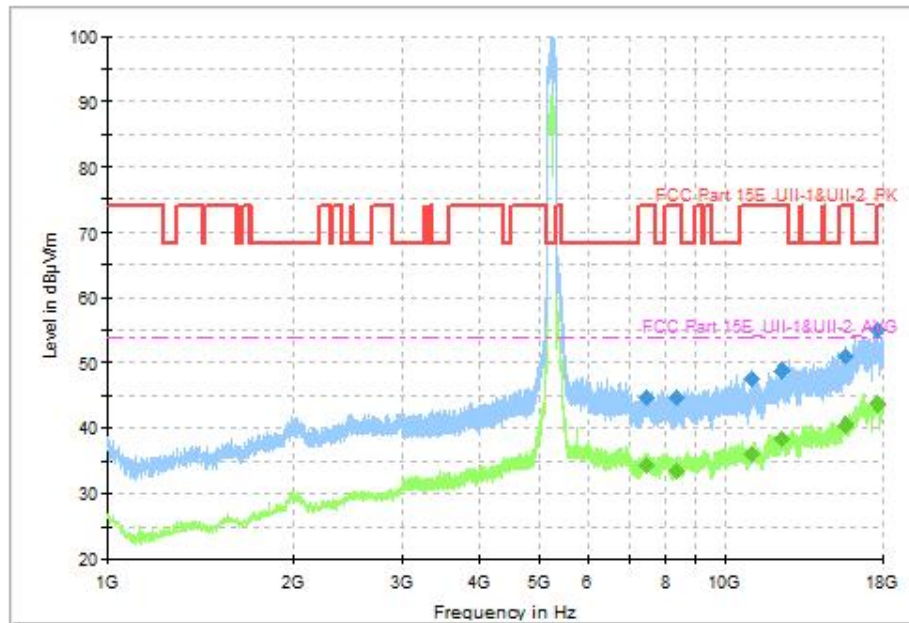


Fig. 64 Transmitter Spurious Emission (802.11ax-HE160, CH50 5250MHz, 1GHz-18GHz), MIMO

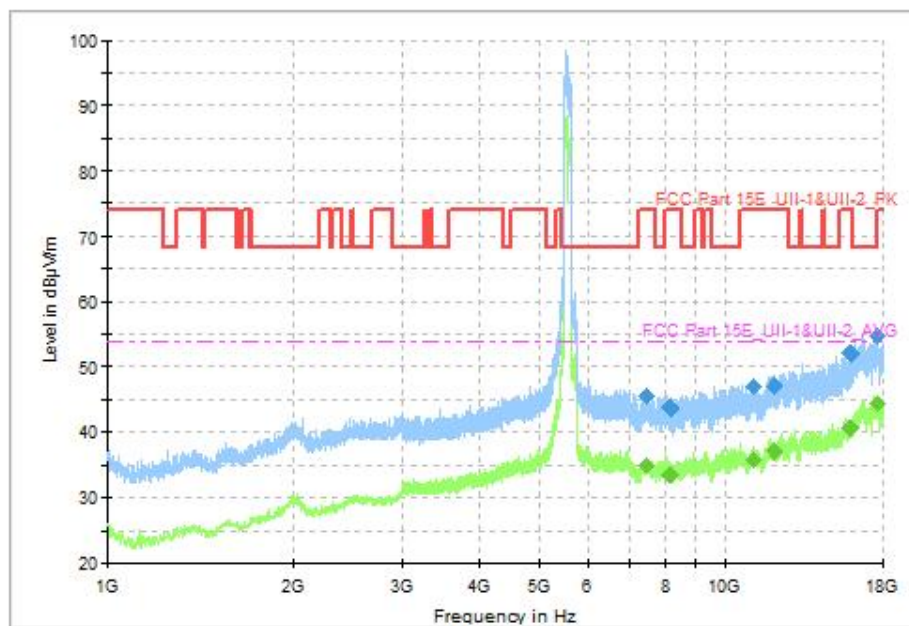


Fig. 65 Transmitter Spurious Emission (802.11ax-HE160, CH114 5570MHz, 1GHz-18GHz), MIMO

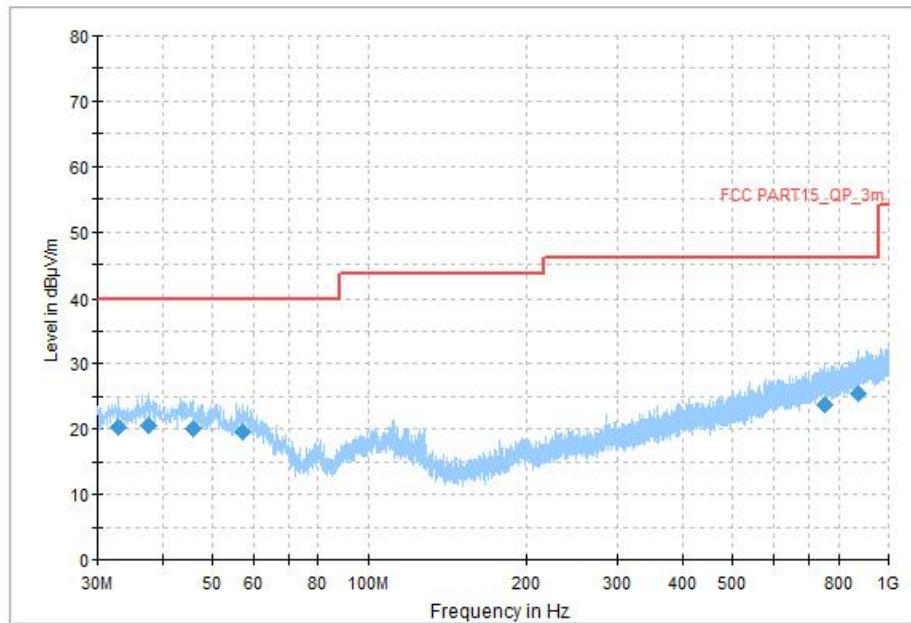


Fig. 66 Transmitter Spurious Emission (All channel, 30MHz~1GHz), MIMO

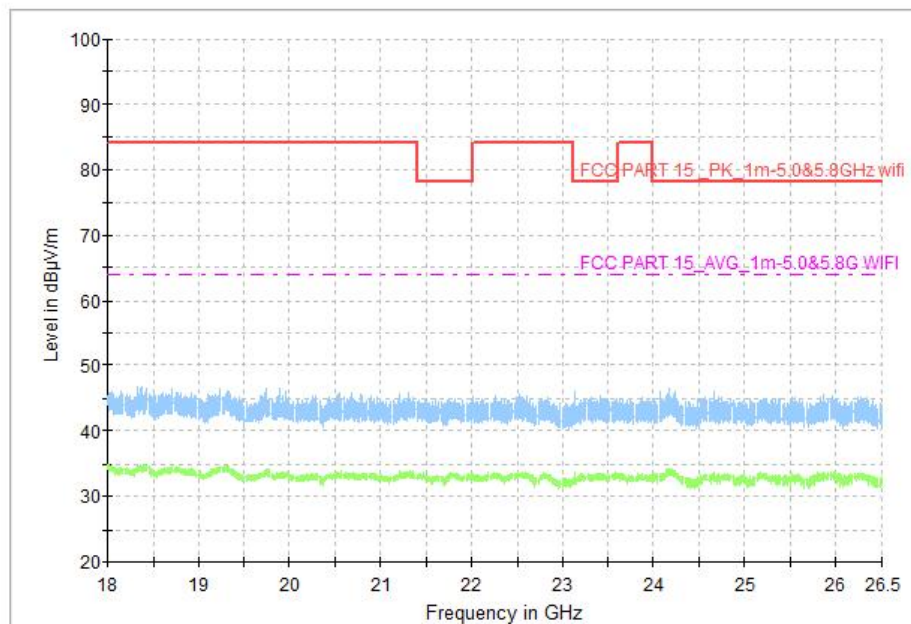


Fig. 67 Transmitter Spurious Emission (All channel, 18GHz~26.5GHz), MIMO

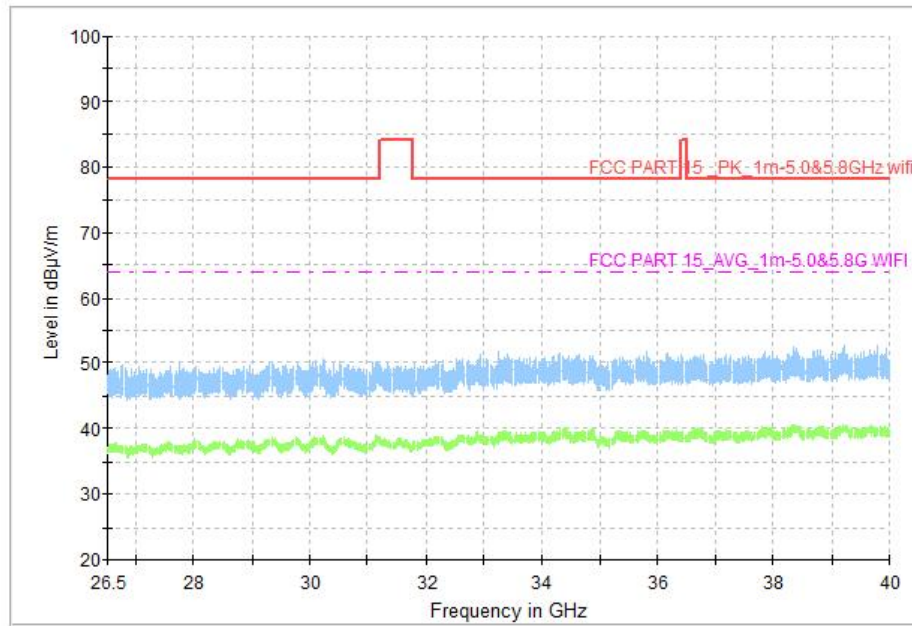


Fig. 68 Transmitter Spurious Emission (All channel, 26.5GHz~40GHz), MIMO

A.10. Radiated Spurious Emissions < 30MHz

Method of Measurement: See ANSI C63.10-clause 6.4.

Measurement Limit (15.209, 9kHz-30MHz):

Frequency (MHz)	Field strength ($\mu\text{V/m}$)	Measurement distance (m)
0.009 - 0.490	2400/F(kHz)	300
0.490 – 1.705	24000/F(kHz)	30
1.705 – 30.0	30	30

The measurement is made according to KDB 789033.

Note: The measurement distance during the test is 3m. The limit used in plots recalculated based on the extrapolation factor of 40 dB/decade.

Measurement Result (Worst case):

Mode	Frequency Range	Test Results	Conclusion
All Channel	9 kHz ~30 MHz	Fig.69	P

See below for test graphs.

Conclusion: PASS

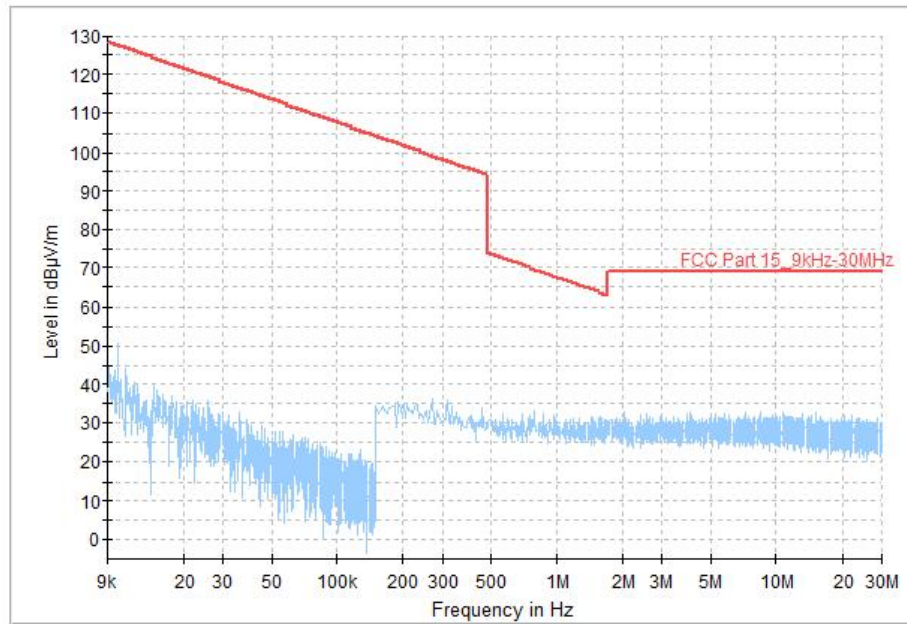


Fig. 69 Radiated Spurious Emission (All Channel, 9 kHz ~30 MHz), MIMO

**A.11. AC Power Line Conducted Emission**

Method of Measurement: See ANSI C63.10-clause 6.2.

Test Condition:

Voltage (V)	Frequency (Hz)
120	60

Measurement Result and limit:

Frequency range (MHz)	Quasi-peak Limit (dBμV)	Average-peak Limit (dBμV)	Result (dBμV)		Conclusion
			Traffic	Idle	
0.15 to 0.5	66 to 56	56 to 46	Fig.70	Fig.71	P
0.5 to 5	56	46			
5 to 30	60	50			

NOTE: The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5 MHz.

Note: The measurement results include the L1 and N measurements.

See below for test graphs.

Conclusion: PASS

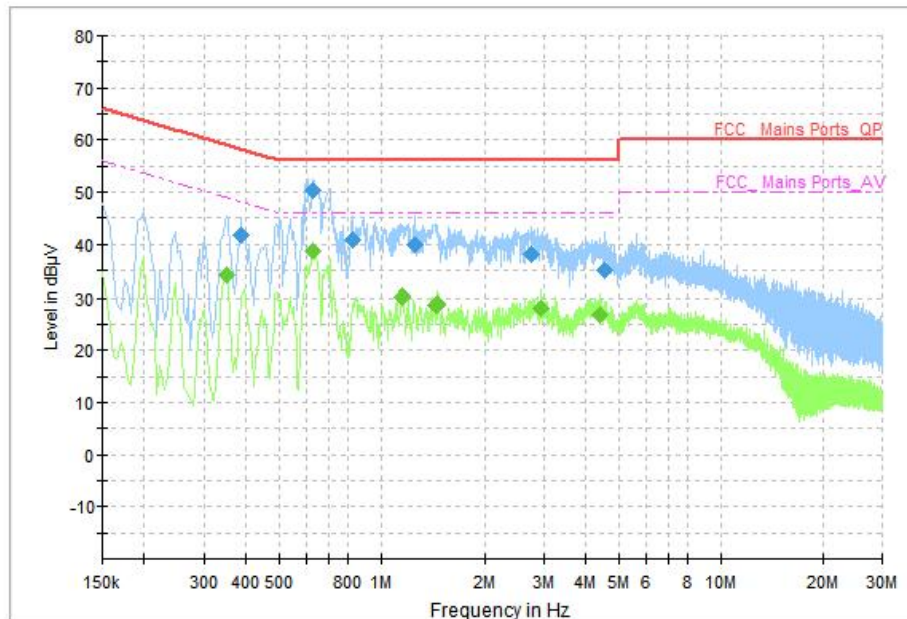


Fig. 70 AC Power line Conducted Emission (Traffic)

Measurement Result: Quasi Peak

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.386000	41.81	58.15	16.34	N	ON	10
0.626000	50.37	56.00	5.63	N	ON	10
0.822000	40.73	56.00	15.27	N	ON	10
1.254000	40.09	56.00	15.91	N	ON	10
2.750000	37.99	56.00	18.01	N	ON	10
4.550000	35.07	56.00	20.93	N	ON	10

Measurement Result: Average

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.350000	34.00	48.96	14.96	N	ON	10
0.630000	38.61	46.00	7.39	N	ON	10
1.158000	30.22	46.00	15.78	N	ON	10
1.446000	28.77	46.00	17.23	N	ON	10
2.942000	27.86	46.00	18.14	N	ON	10
4.386000	26.92	46.00	19.08	N	ON	10

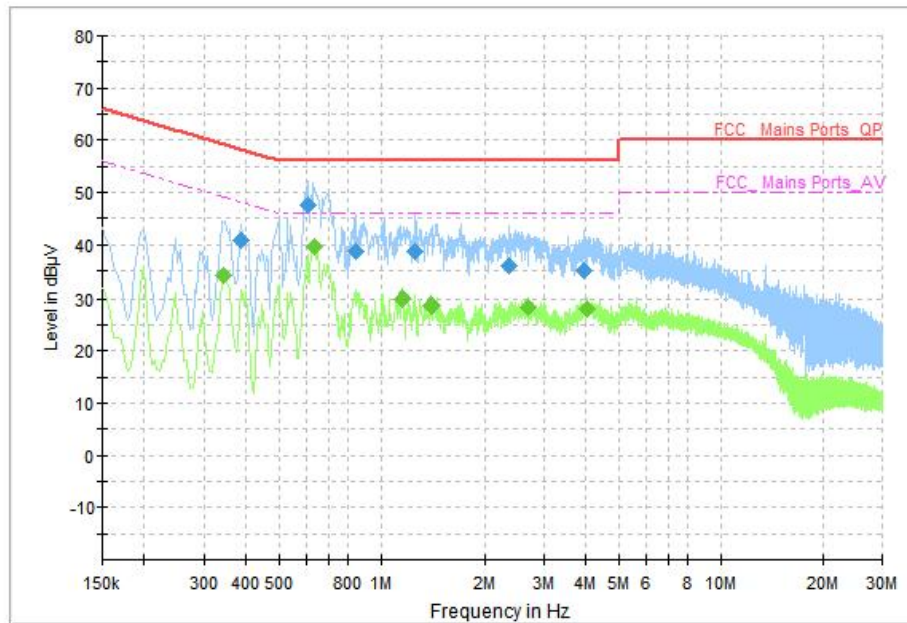


Fig. 71 AC Power line Conducted Emission (Idle)

Measurement Result: Quasi Peak

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.386000	40.88	58.15	17.27	N	ON	10
0.606000	47.56	56.00	8.44	N	ON	10
0.842000	38.68	56.00	17.32	N	ON	10
1.262000	38.73	56.00	17.27	N	ON	10
2.370000	35.94	56.00	20.06	N	ON	10
3.926000	34.89	56.00	21.11	N	ON	10

Measurement Result: Average

Frequency (MHz)	Quasi Peak (dBμV)	Limit (dBμV)	Margin (dB)	Line	Filter	Corr. (dB)
0.342000	34.15	49.16	15.00	N	ON	10
0.634000	39.52	46.00	6.48	N	ON	10
1.158000	29.85	46.00	16.15	N	ON	10
1.402000	28.66	46.00	17.34	N	ON	10
2.690000	28.30	46.00	17.70	N	ON	10
4.022000	28.16	46.00	17.84	N	ON	10

END OF REPORT