

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

Note: The scanned graph represents the maximum of both horizontal and vertical polarizations and is not a single horizontal or vertical polarization scan.

Note: There were no emissions above 18GHz found within 20dB of the limit. Thus the test result was not reported according to § 15.31 (o)

The measurement results are obtained as described below:

Measure Level = Reading Level + Cable loss + Antenna factor Sample calculation:
(78.20 dBuV/m) = (31.30 dBμV) + (12.40 dB) + (34.50 dB), the corresponding frequency is 5180MHz.

【5150-5250】

● 802.11a

Carrier Frequency (MHz): 5180

Channel No.: 36

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5180.0	31.30	78.20	N/A	N/A	12.40	34.50
5150.0	-7.20	39.70	-34.30	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5180.0	20.00	66.90	N/A	N/A	12.40	34.50
5150.0	-20.80	26.10	-27.90	54.00	12.40	34.50

Carrier Frequency (MHz): 5240

Channel No.: 48

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5240.0	34.20	81.10	N/A	N/A	12.40	34.50
5250.0	-4.90	42.00	-32.00	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5240.0	31.80	78.70	N/A	N/A	12.40	34.50
5250.0	0.50	47.40	-6.60	54.00	12.40	34.50

● 802.11n(HT20)

Carrier Frequency (MHz): 5180

Channel No.: 36

Test Mode: 802.11n(HT20)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5180.0	44.90	91.80	N/A	N/A	12.40	34.50
5150.0	-10.80	36.10	-37.90	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5180.0	18.00	64.90	N/A	N/A	12.40	34.50
5150.0	-23.60	23.30	-30.70	54.00	12.40	34.50

Carrier Frequency (MHz): 5240

Channel No.: 48

Test Mode: 802.11n(HT20)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5240.0	35.80	82.70	N/A	N/A	12.40	34.50
5250.0	-1.90	45.00	-29.00	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5240.0	24.30	71.20	N/A	N/A	12.40	34.50
5250.0	-6.90	40.00	-14.00	54.00	12.40	34.50

● 802.11n(HT40)

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Carrier Frequency (MHz): 5190
Channel No.: 38
Test Mode: 802.11n(HT40)
Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5190.0	37.80	84.70	N/A	N/A	12.40	34.50
5150.0	14.40	61.30	-12.70	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5190.0	27.70	74.60	N/A	N/A	12.40	34.50
5150.0	-0.60	46.30	-7.70	54.00	12.40	34.50

Carrier Frequency (MHz): 5230
Channel No.: 46
Test Mode: 802.11n(HT40)
Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5230.0	38.80	85.70	N/A	N/A	12.40	34.50
5250.0	25.90	72.80	-1.20	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5230.0	25.80	72.70	N/A	N/A	12.40	34.50
5250.0	-0.50	46.40	-7.60	54.00	12.40	34.50

● **802.11ac(VHT80)**
Carrier Frequency (MHz): 5210
Channel No.: 42
Test Mode: 802.11ac(VHT80)
Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5210.0	42.80	89.70	N/A	N/A	12.40	34.50
5150.0	-9.50	37.40	-36.60	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5210.0	33.00	79.90	N/A	N/A	12.40	34.50
5150.0	-22.10	24.80	-29.20	54.00	12.40	34.50

【5250-5350】

● 802.11a

Carrier Frequency (MHz): 5260

Channel No.: 52

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5260.0	43.30	90.20	N/A	N/A	12.40	34.50
5240.0	17.60	64.50	-9.50	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5260.0	32.40	79.30	N/A	N/A	12.40	34.50
5240.0	-18.00	28.90	-25.10	54.00	12.40	34.50

Carrier Frequency (MHz): 5320

Channel No.: 64

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5320.0	45.10	92.00	N/A	N/A	12.40	34.50
5340.0	20.00	66.90	-7.10	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5320.0	33.30	80.20	N/A	N/A	12.40	34.50
5340.0	4.80	51.70	-2.30	54.00	12.40	34.50

- **802.11n(HT20)**
Carrier Frequency (MHz): 5260
Channel No.: 52
Test Mode: 802.11n(HT20)
Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5260.0	38.40	85.30	N/A	N/A	12.40	34.50
5240.0	14.60	61.50	-12.50	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5260.0	32.00	78.90	N/A	N/A	12.40	34.50
5240.0	2.90	49.80	-4.20	54.00	12.40	34.50

- Carrier Frequency (MHz): 5320**
Channel No.: 64
Test Mode: 802.11n(HT20)
Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5320.0	40.70	87.60	N/A	N/A	12.40	34.50
5340.0	13.30	60.20	-13.80	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5320.0	31.20	78.10	N/A	N/A	12.40	34.50
5340.0	1.70	48.60	-5.40	54.00	12.40	34.50

- **802.11n(HT40)**
Carrier Frequency (MHz): 5270
Channel No.: 54
Test Mode: 802.11n(HT40)
Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5270.0	45.50	92.40	N/A	N/A	12.40	34.50
5230.0	8.40	55.30	-18.70	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5270.0	36.90	83.80	N/A	N/A	12.40	34.50
5230.0	-4.80	42.10	-11.90	54.00	12.40	34.50

Carrier Frequency (MHz): 5310

Channel No.: 60

Test Mode: 802.11n(HT40)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5310.0	45.60	92.50	N/A	N/A	12.40	34.50
5350.0	12.50	59.40	-14.60	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5310.0	35.80	82.70	N/A	N/A	12.40	34.50
5350.0	-0.40	46.50	-7.50	54.00	12.40	34.50

● **802.11ac(VHT80)**

Carrier Frequency (MHz): 5290

Channel No.: 58

Test Mode: 802.11ac(VHT80)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5290.0	30.40	77.30	N/A	N/A	12.40	34.50
5210.0	18.60	65.50	-8.50	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5290.0	15.90	62.80	N/A	N/A	12.40	34.50
5210.0	4.20	51.10	-2.90	54.00	12.40	34.50

【5470-5725】

● **802.11a**

Carrier Frequency (MHz): 5500

Channel No.: 100

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5500.0	33.30	80.20	N/A	N/A	12.40	34.50
5480.0	-4.20	42.70	-31.30	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5500.0	21.80	68.70	N/A	N/A	12.40	34.50
5480.0	-18.60	28.30	-25.70	54.00	12.40	34.50

Carrier Frequency (MHz): 5700

Channel No.: 140

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5700.0	37.28	84.18	N/A	N/A	12.40	34.50
5720.0	1.10	48.00	-26.00	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5700.0	23.40	70.30	N/A	N/A	12.40	34.50
5720.0	-14.20	32.70	-21.30	54.00	12.40	34.50

● **802.11n(HT20)**

Carrier Frequency (MHz): 5500

Channel No.: 100

Test Mode: 802.11n(HT20)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5500.0	44.30	91.20	N/A	N/A	12.40	34.50
5480.0	-0.90	46.00	-28.00	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5500.0	17.90	64.80	N/A	N/A	12.40	34.50
5480.0	-2.90	44.00	-10.00	54.00	12.40	34.50

Carrier Frequency (MHz): 5700

Channel No.: 140

Test Mode: 802.11n(HT20)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5700.0	44.00	90.90	N/A	N/A	12.40	34.50
5720.0	-0.50	46.40	-27.60	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5700.0	19.40	66.30	N/A	N/A	12.40	34.50
5720.0	-13.70	33.20	-20.80	54.00	12.40	34.50

● **802.11n(HT40)**

Carrier Frequency (MHz): 5510

Channel No.: 102

Test Mode: 802.11n(HT40)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5510.0	44.90	91.80	N/A	N/A	12.40	34.50
5470.0	18.30	65.20	-8.80	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5510.0	26.90	73.80	N/A	N/A	12.40	34.50
5470.0	3.30	50.20	-3.80	54.00	12.40	34.50

Carrier Frequency (MHz): 5670

Channel No.: 134

Test Mode: 802.11n(HT40)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5670.0	37.30	84.20	N/A	N/A	12.40	34.50
5710.0	13.10	60.00	-14.00	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5670.0	24.90	71.80	N/A	N/A	12.40	34.50
5710.0	-1.90	45.00	-9.00	54.00	12.40	34.50

● **802.11ac(VHT80)**

Carrier Frequency (MHz): 5530

Channel No.: 106

Test Mode: 802.11ac(VHT80)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5530.0	35.20	82.10	N/A	N/A	12.40	34.50
5450.0	9.70	56.60	-17.40	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5530.0	19.70	66.60	N/A	N/A	12.40	34.50
5450.0	-4.60	42.30	-11.70	54.00	12.40	34.50

Carrier Frequency (MHz): 5690

Channel No.: 138

Test Mode: 802.11ac(VHT80)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5690.0	36.50	83.40	N/A	N/A	12.40	34.50
5770.0	14.50	61.40	-12.60	74.00	12.40	34.50

Detector: Average

Frequency	Reading	Measure	Over	Limit	Cable	Antenna
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y (MHz)	Level (dBuV)	Level (dBuV/m)	Limit (dB)	(dBuV/m)	Loss (dB)	Factor (dB)
5690.0	22.90	69.80	N/A	N/A	12.40	34.50
5770.0	0.30	47.20	-6.80	54.00	12.40	34.50

【5725-5850】

● 802.11a

Carrier Frequency (MHz): 5745

Channel No.: 149

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5745.0	41.10	88.00	N/A	N/A	12.40	34.50
5725.0	11.50	58.40	-15.60	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5745.0	29.30	76.20	N/A	N/A	12.40	34.50
5725.0	-1.90	45.00	-9.00	54.00	12.40	34.50

Carrier Frequency (MHz): 5825

Channel No.: 165

Test Mode: 802.11a

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5825.0	37.30	84.20	N/A	N/A	12.40	34.50
5845.0	8.40	55.30	-18.70	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5825.0	25.50	72.40	N/A	N/A	12.40	34.50
5845.0	-4.80	42.10	-11.90	54.00	12.40	34.50

● 802.11n(HT20)

Carrier Frequency (MHz): 5745

Channel No.: 149

Test Mode: 802.11n(HT20)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5745.0	34.90	81.80	N/A	N/A	12.40	34.50
5725.0	8.70	55.60	-18.40	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5745.0	31.30	78.20	N/A	N/A	12.40	34.50
5725.0	-15.30	31.60	-22.40	54.00	12.40	34.50

Carrier Frequency (MHz): 5825

Channel No.: 165

Test Mode: 802.11n(HT20)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5825.0	35.20	82.10	N/A	N/A	12.40	34.50
5845.0	9.40	56.30	-17.70	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5825.0	21.60	68.50	N/A	N/A	12.40	34.50
5845.0	-10.40	36.50	-17.50	54.00	12.40	34.50

● **802.11n(HT40)**

Carrier Frequency (MHz): 5755

Channel No.: 151

Test Mode: 802.11n(HT40)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5755.0	34.30	81.20	N/A	N/A	12.40	34.50
5715.0	4.00	50.90	-23.10	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5755.0	13.00	59.90	N/A	N/A	12.40	34.50
5715.0	-12.00	34.90	-19.10	54.00	12.40	34.50

Carrier Frequency (MHz): 5795
Channel No.: 159
Test Mode: 802.11n(HT40)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5795.0	39.70	86.60	N/A	N/A	12.40	34.50
5835.0	12.60	59.50	-14.50	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5795.0	17.00	63.90	N/A	N/A	12.40	34.50
5835.0	-2.70	44.20	-9.80	54.00	12.40	34.50

● **802.11ac(VHT80)**

Carrier Frequency (MHz): 5775
Channel No.: 155
Test Mode: 802.11ac(VHT80)

Detector: Peak

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5775.0	23.00	69.90	N/A	N/A	12.40	34.50
5695.0	11.70	58.60	-15.40	74.00	12.40	34.50

Detector: Average

Frequency (MHz)	Reading Level (dBuV)	Measure Level (dBuV/m)	Over Limit (dB)	Limit (dBuV/m)	Cable Loss (dB)	Antenna Factor (dB)
5775.0	22.70	69.60	N/A	N/A	12.40	34.50
5695.0	-2.30	44.60	-9.40	54.00	12.40	34.50

Sample Calculations

Determining Spurious Emissions Levels

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. The measurement results are obtained as described below:

Below 1GHz:

$$\text{QuasiPeak} = \text{ReadingValue} + A_{Rpl}$$

Above 1GHz:

$$\text{MaxPeak} = \text{Reading MaxPeak} + A_{Rpl}$$

OR

$$\text{Average} = \text{ReadingAverage} + A_{Rpl}$$

Sample calculation: $(15.95\text{dB}\mu\text{V}/\text{m}) = (41.35\text{dB}\mu\text{V}) + (-25.40\text{ dB}/\text{m})$, the corresponding frequency is 75.590MHz.

Theworstcaseattitude: Themobilelaydown.

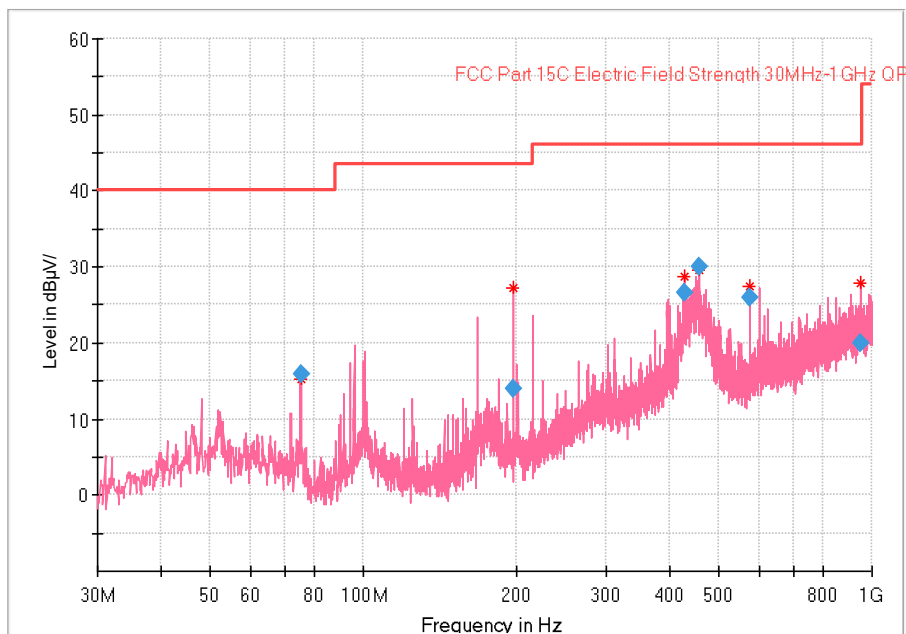
【5150~5250】

● 802.11a

Spurious Radiated Emissions from 30MHz to 1GHz:

CH Middle (No.44)

Full Spectrum

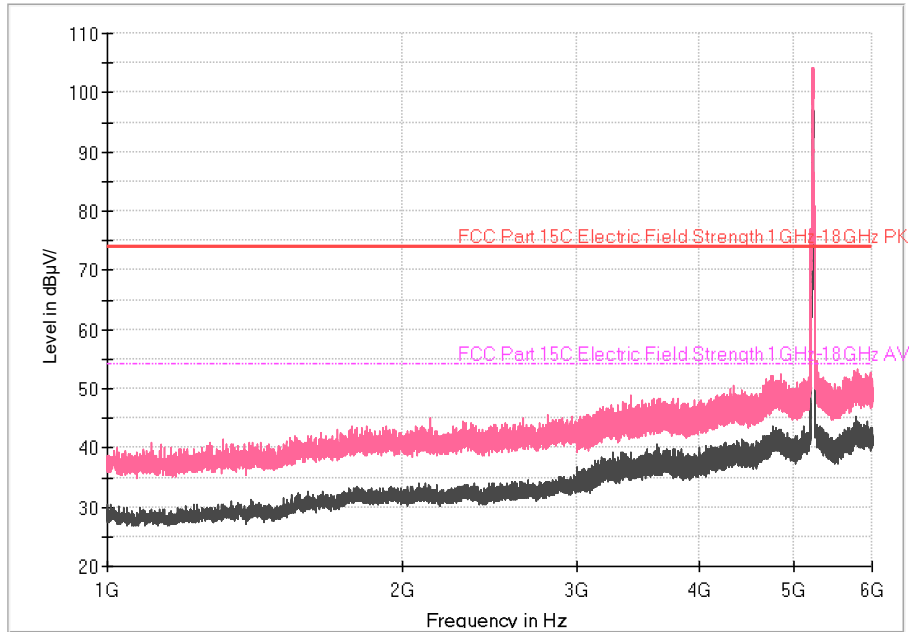


Frequency (MHz)	Reading (dBuV)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A_{Rpl} (dB)	Polarity
75.590	41.35	15.95	40.00	24.05	-25.40	Vertical

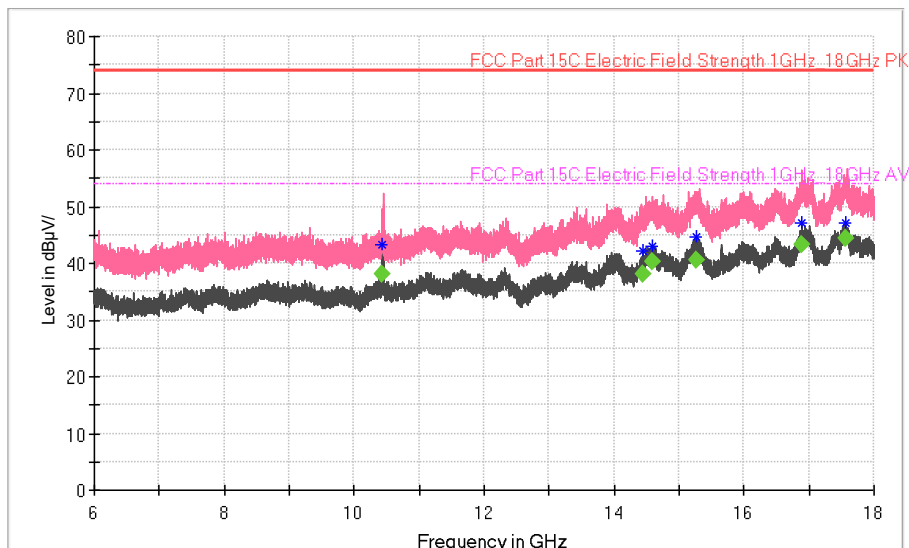
197.034	33.68	13.98	43.50	29.52	-19.70	Vertical
426.439	39.43	26.63	46.00	19.37	-12.80	Vertical
456.024	42.45	29.95	46.00	16.05	-12.50	Vertical
576.013	35.63	25.93	46.00	20.07	-9.70	Vertical
948.105	22.46	20.06	46.00	25.94	-2.40	Vertical

Spurious Radiated Emissions from 1GHz to 18GHz: CH Middle (No.44)

Full Spectrum



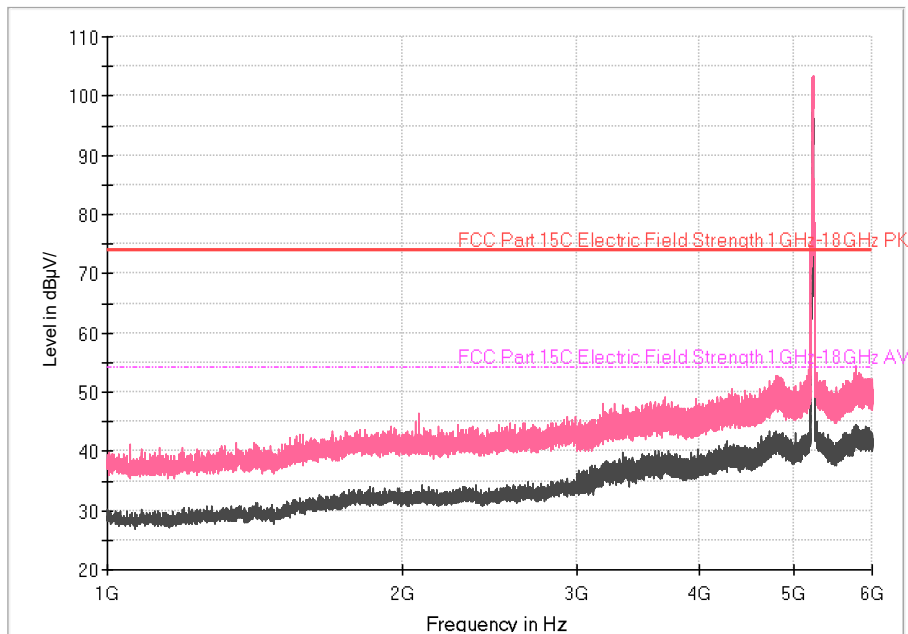
Full Spectrum



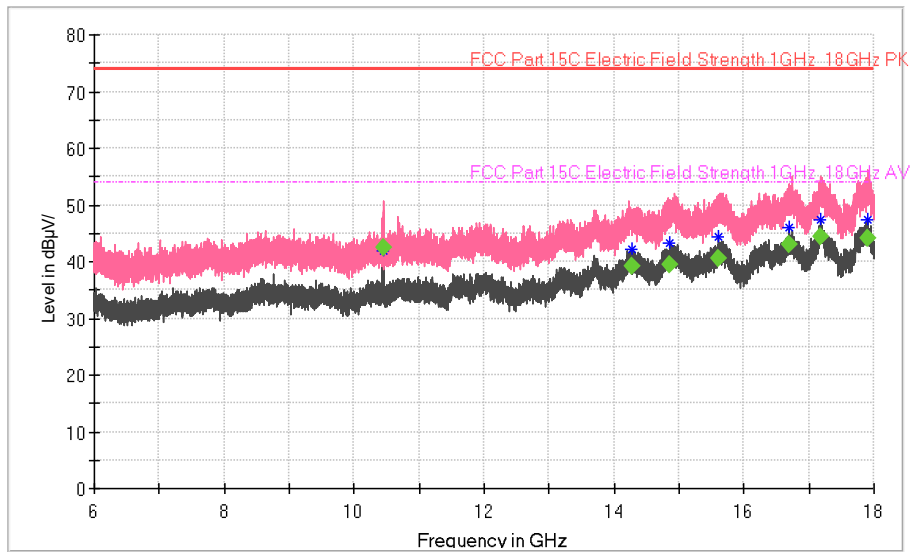
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
10437.200	---	57.22	---	38.12	54.00	15.88	-19.10	Vertical
14440.000	---	52.32	---	38.22	54.00	15.78	-14.10	Vertical
14599.200	---	54.38	---	40.28	54.00	13.72	-14.10	Vertical
15278.000	---	54.67	---	40.57	54.00	13.43	-14.10	Vertical
16880.800	---	56.37	---	43.37	54.00	10.63	-13.00	Vertical
17562.000	---	56.19	---	44.29	54.00	9.71	-11.90	Vertical

● **802.11n (HT20)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.44)

Full Spectrum



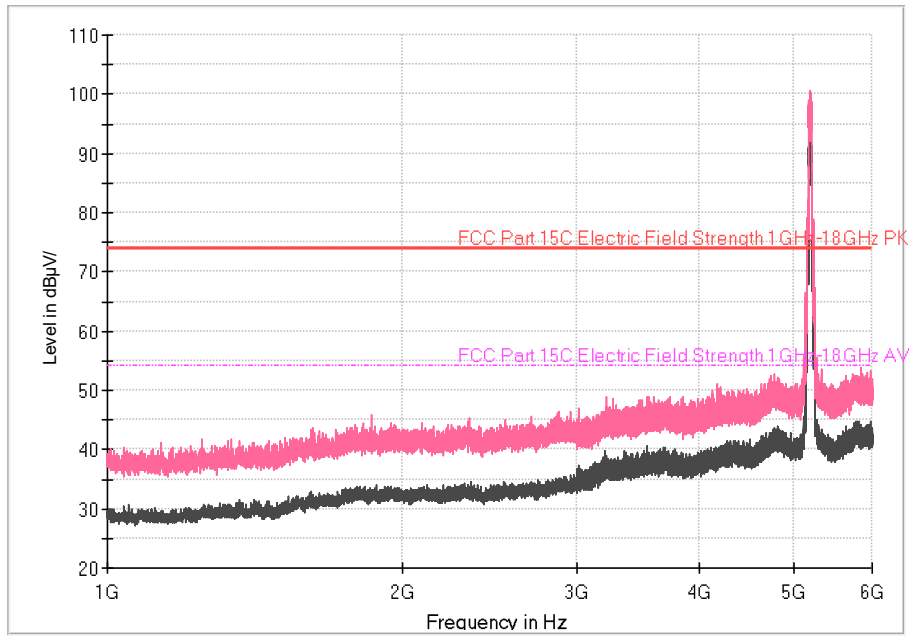
Full Spectrum



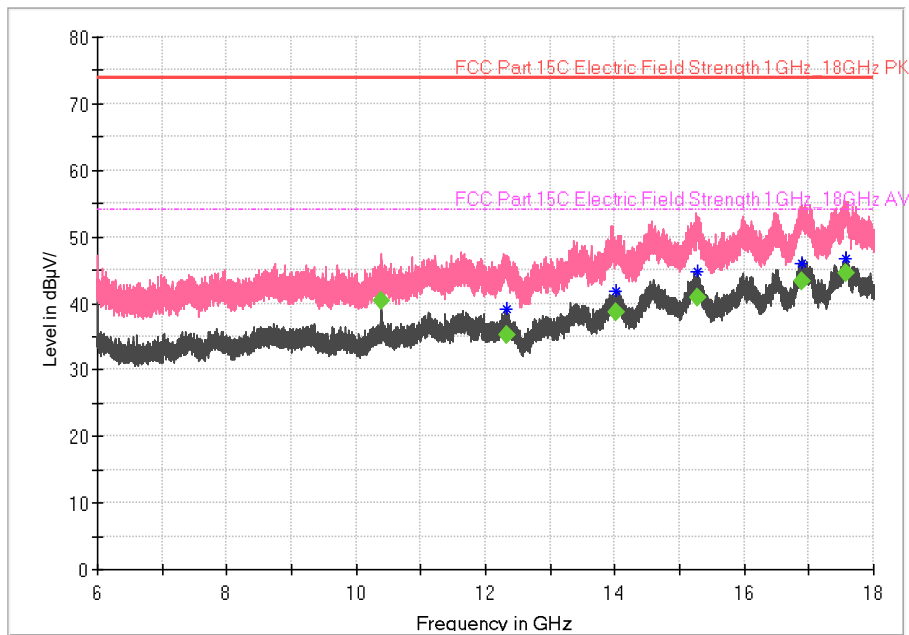
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
10440.400	---	61.48	---	42.38	54.00	11.62	-19.10	Vertical
14281.600	---	53.42	---	39.22	54.00	14.78	-14.20	Vertical
14850.400	---	53.29	---	39.39	54.00	14.61	-13.90	Vertical
15602.000	---	54.88	---	40.68	54.00	13.32	-14.20	Vertical
16697.200	---	56.19	---	42.89	54.00	11.11	-13.30	Vertical
17187.200	---	56.62	---	44.32	54.00	9.68	-12.30	Vertical

● **802.11n (HT40)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.38)

Full Spectrum



Full Spectrum

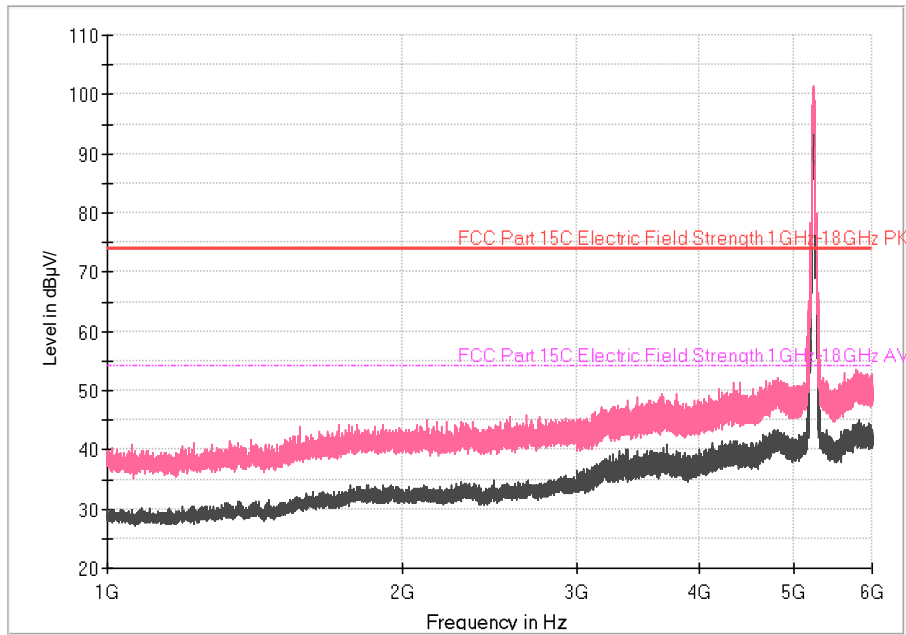


Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
10378.800	---	59.59	---	40.29	54.00	13.71	-19.30	Vertical
12322.800	---	52.63	---	35.13	54.00	18.87	-17.50	Vertical

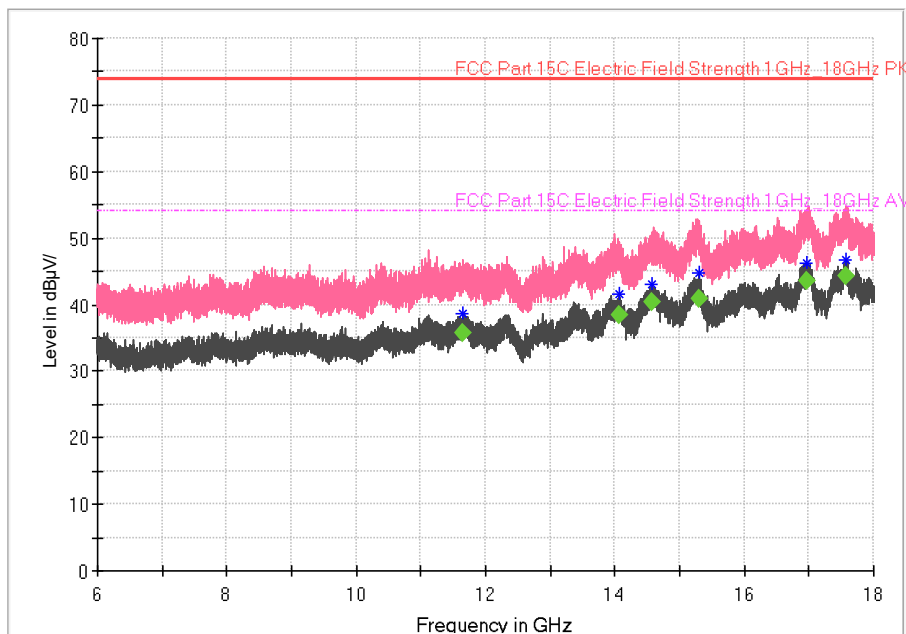
14027.600	---	53.05	---	38.55	54.00	15.45	-14.50	Vertical
15266.400	---	55.05	---	40.95	54.00	13.05	-14.10	Vertical
16900.000	---	56.42	---	43.42	54.00	10.58	-13.00	Vertical
17569.200	---	56.36	---	44.46	54.00	9.54	-11.90	Vertical

● **802.11n (HT40)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.46)

Full Spectrum

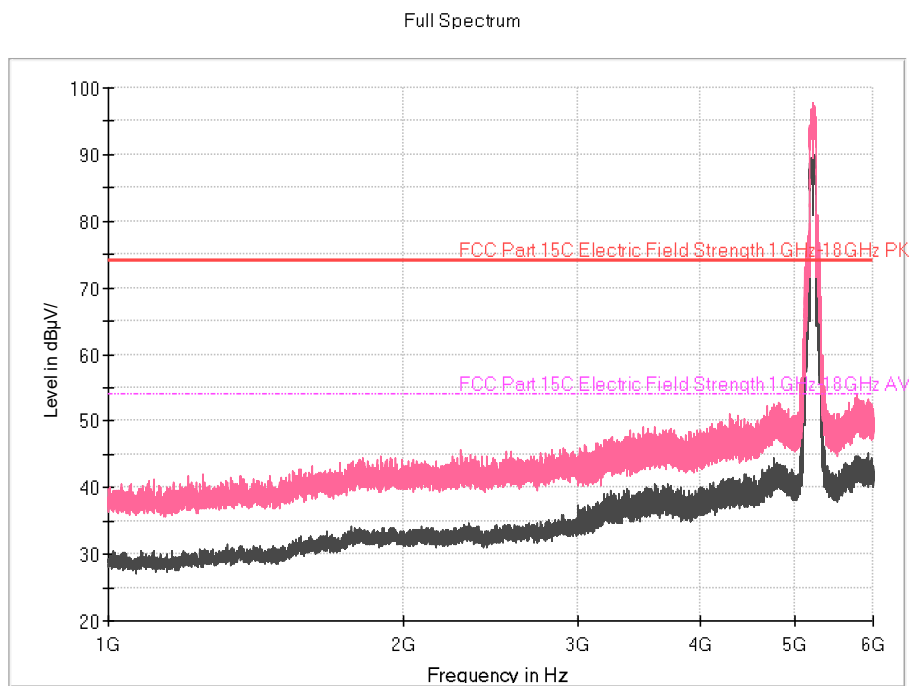


Full Spectrum

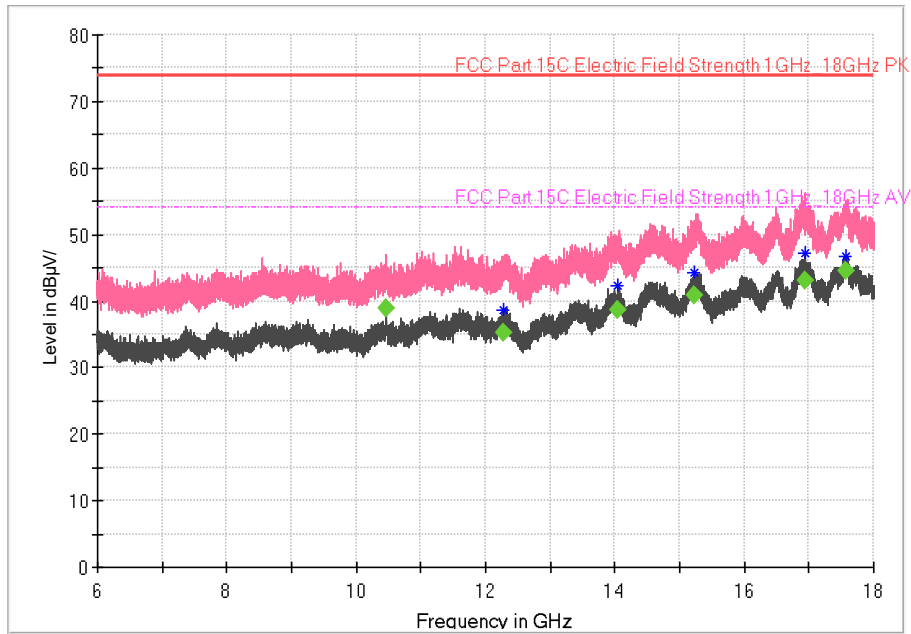


Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{RPI} (dB)	Polarity
11654.400	---	52.61	---	35.71	54.00	18.29	-16.90	Vertical
14057.600	---	52.88	---	38.38	54.00	15.62	-14.50	Vertical
14572.800	---	54.33	---	40.33	54.00	13.67	-14.00	Vertical
15294.800	---	54.88	---	40.78	54.00	13.22	-14.10	Vertical
16964.000	---	56.33	---	43.43	54.00	10.57	-12.90	Vertical
17568.000	---	56.29	---	44.39	54.00	9.61	-11.90	Vertical

● **802.11ac (VHT80)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.42)



Full Spectrum



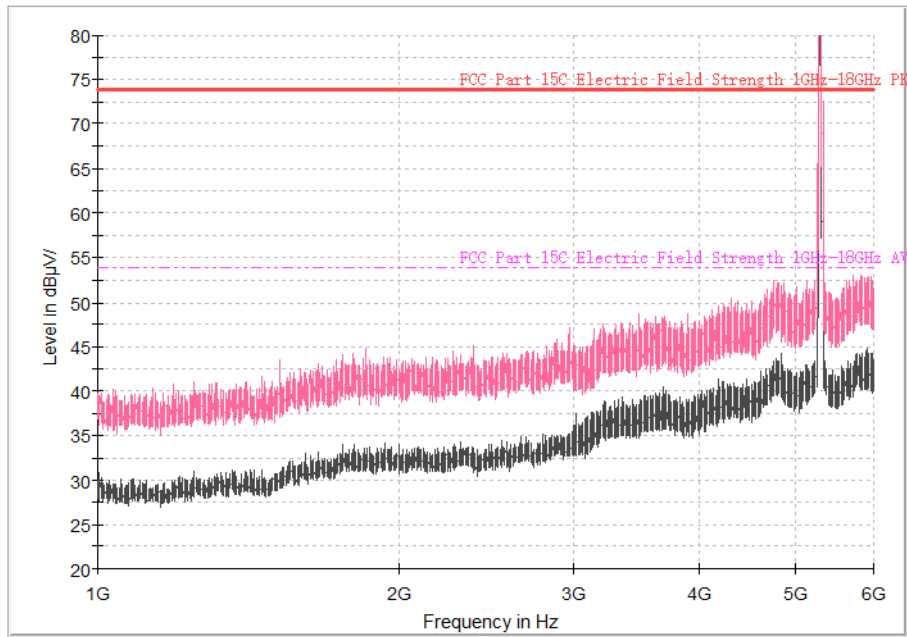
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{RPI} (dB)	Polarity
10461.600	---	58.04	---	38.94	54.00	15.06	-19.10	Vertical
12288.400	---	52.67	---	35.17	54.00	18.83	-17.50	Vertical
14051.600	---	53.15	---	38.65	54.00	15.35	-14.50	Vertical
15223.200	---	54.85	---	40.85	54.00	13.15	-14.00	Vertical
16937.600	---	55.86	---	42.96	54.00	11.04	-12.90	Vertical
17566.400	---	56.40	---	44.50	54.00	9.50	-11.90	Vertical

【5250~5350】

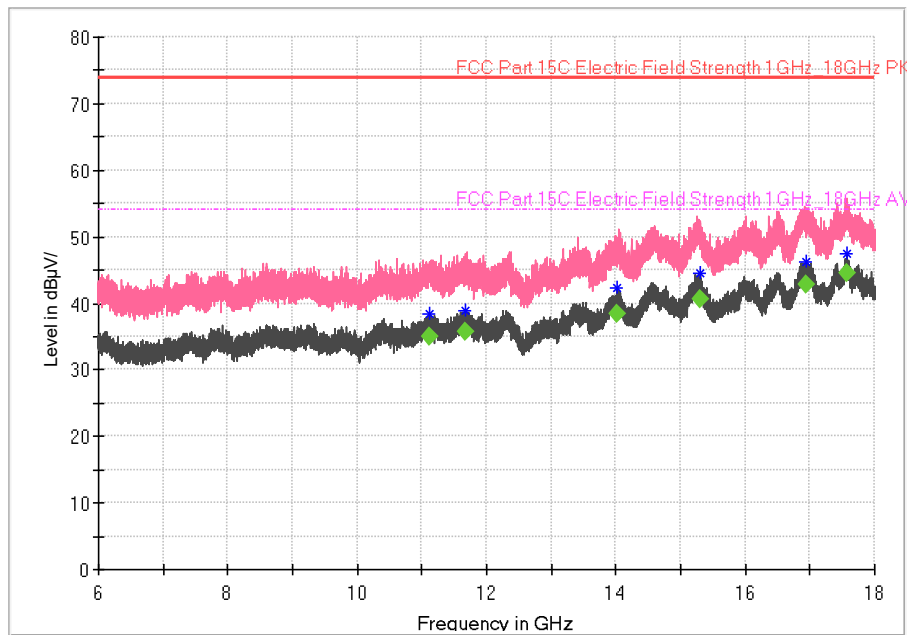
● 802.11a

**Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.60)**

Full Spectrum



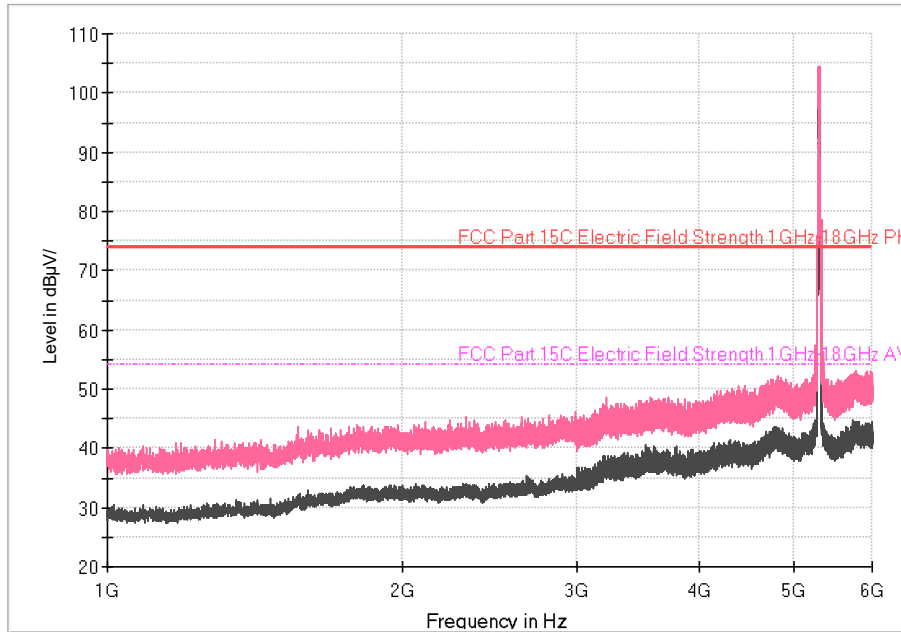
Full Spectrum



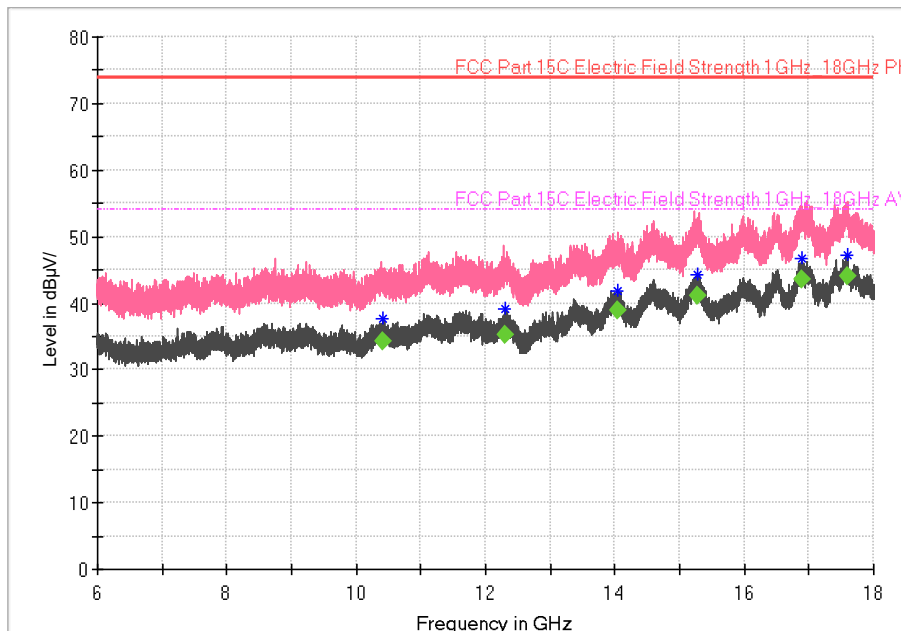
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11125.600	---	52.98	---	35.08	54.00	18.92	-17.90	Vertical
11661.200	---	52.58	---	35.68	54.00	18.32	-16.90	Vertical
14029.200	---	52.96	---	38.46	54.00	15.54	-14.50	Vertical
15295.600	---	54.71	---	40.61	54.00	13.39	-14.10	Vertical
16931.200	---	55.82	---	42.92	54.00	11.08	-12.90	Vertical
17561.600	---	56.33	---	44.43	54.00	9.57	-11.90	Vertical

● 802.11n (HT20)
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.60)

Full Spectrum



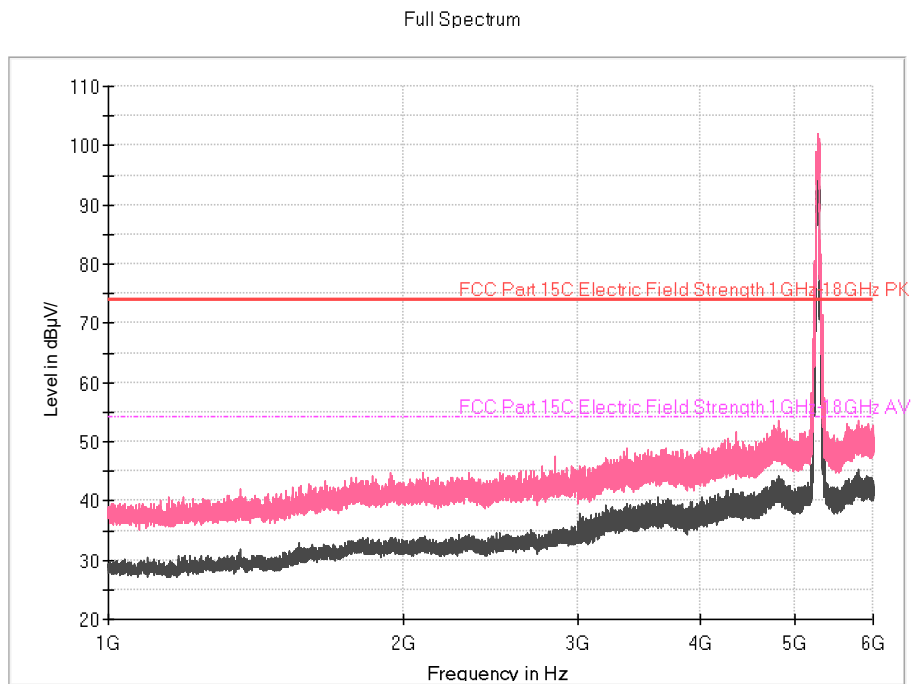
Full Spectrum



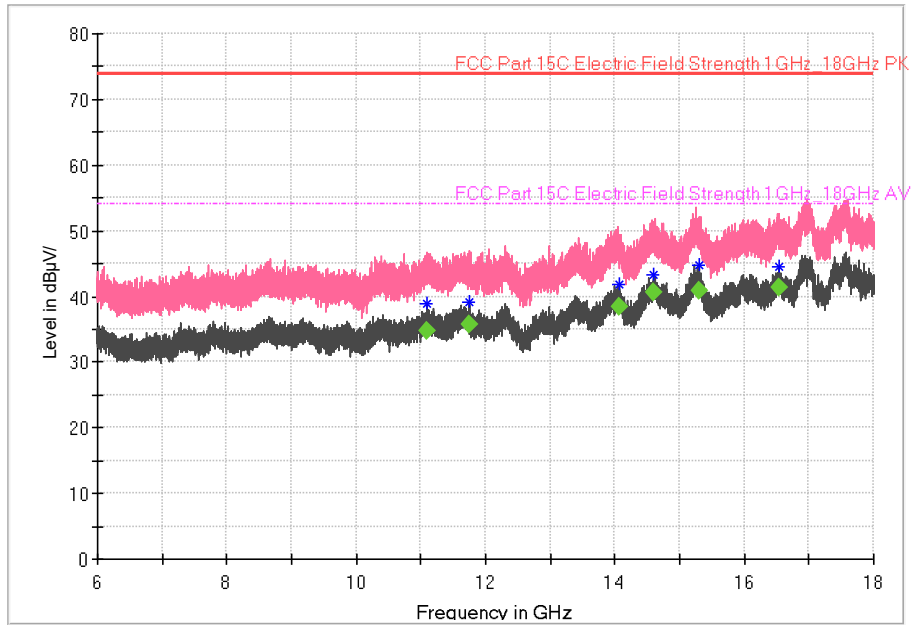
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
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10408.800	---	53.40	---	34.20	54.00	19.80	-19.20	Vertical
12300.400	---	52.65	---	35.15	54.00	18.85	-17.50	Vertical
14046.000	---	53.41	---	38.91	54.00	15.09	-14.50	Vertical
15272.800	---	55.17	---	41.07	54.00	12.93	-14.10	Vertical
16883.200	---	56.45	---	43.45	54.00	10.55	-13.00	Vertical
17593.200	---	55.96	---	44.06	54.00	9.94	-11.90	Vertical

● **802.11n (HT40)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.54)



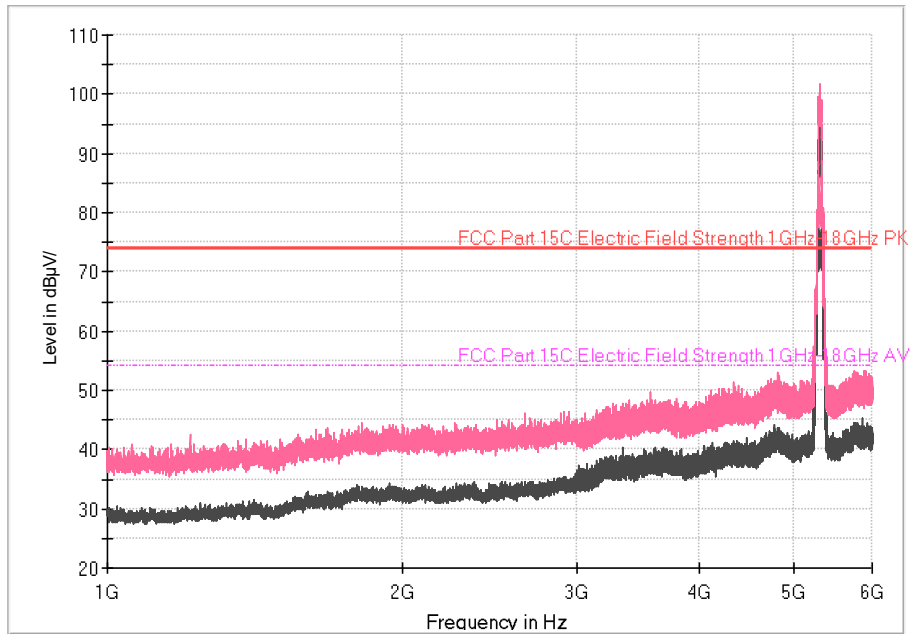
Full Spectrum



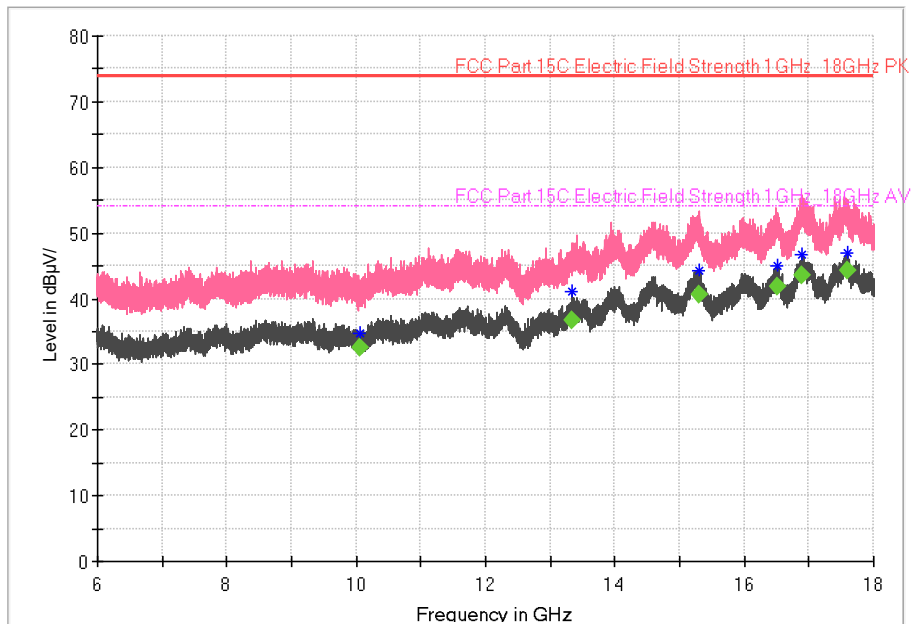
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11098.800	---	52.72	---	34.72	54.00	19.28	-18.00	Vertical
11736.400	---	52.70	---	35.70	54.00	18.30	-17.00	Vertical
14060.000	---	52.94	---	38.44	54.00	15.56	-14.50	Vertical
14588.800	---	54.62	---	40.52	54.00	13.48	-14.10	Vertical
15291.200	---	54.86	---	40.76	54.00	13.24	-14.10	Vertical
16545.200	---	55.13	---	41.33	54.00	12.67	-13.80	Vertical

● **802.11n (HT40)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.62)

Full Spectrum

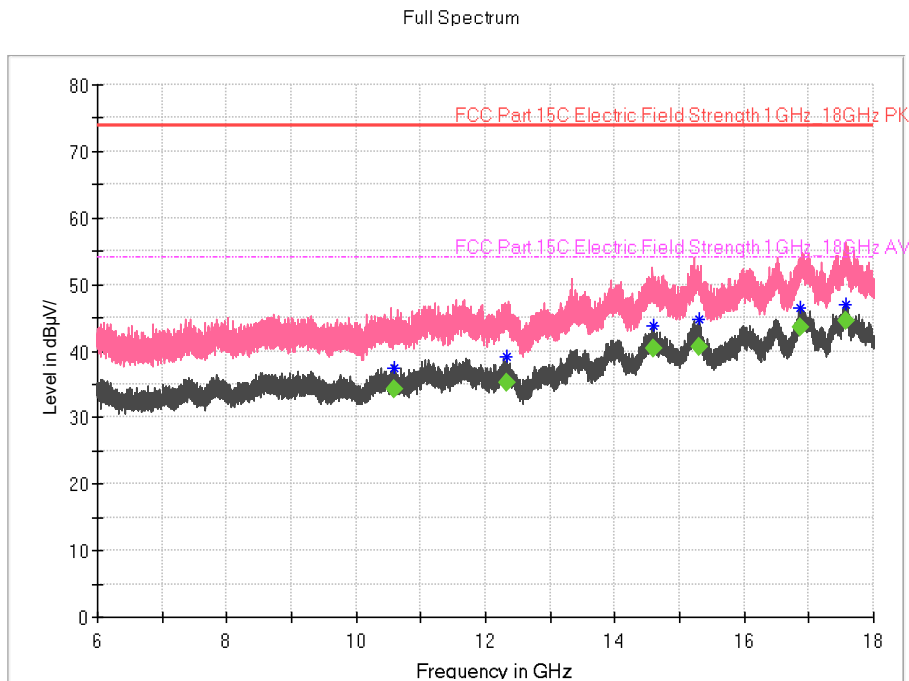
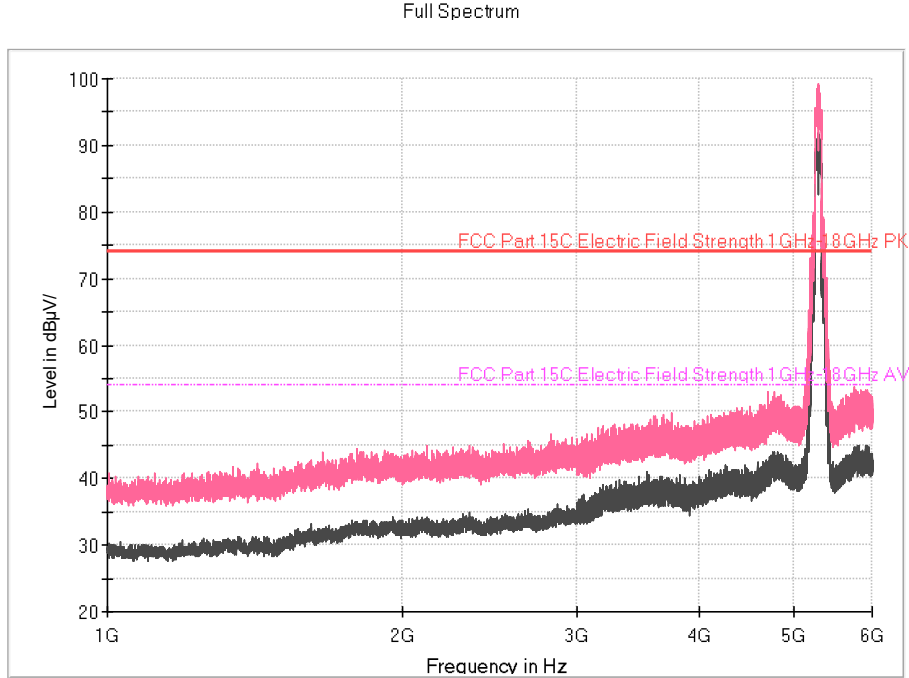


Full Spectrum



Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
10050.400	---	52.86	---	32.56	54.00	21.44	-20.30	Vertical
13324.000	---	52.11	---	36.71	54.00	17.29	-15.40	Vertical
15292.000	---	54.75	---	40.65	54.00	13.35	-14.10	Vertical
16516.800	---	55.72	---	41.92	54.00	12.08	-13.80	Vertical
16880.800	---	56.61	---	43.61	54.00	10.39	-13.00	Vertical
17584.800	---	56.24	---	44.34	54.00	9.66	-11.90	Vertical

● 802.11ac (VHT80)
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.58)



Frequency	Reading MaxPeak	Reading Average	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
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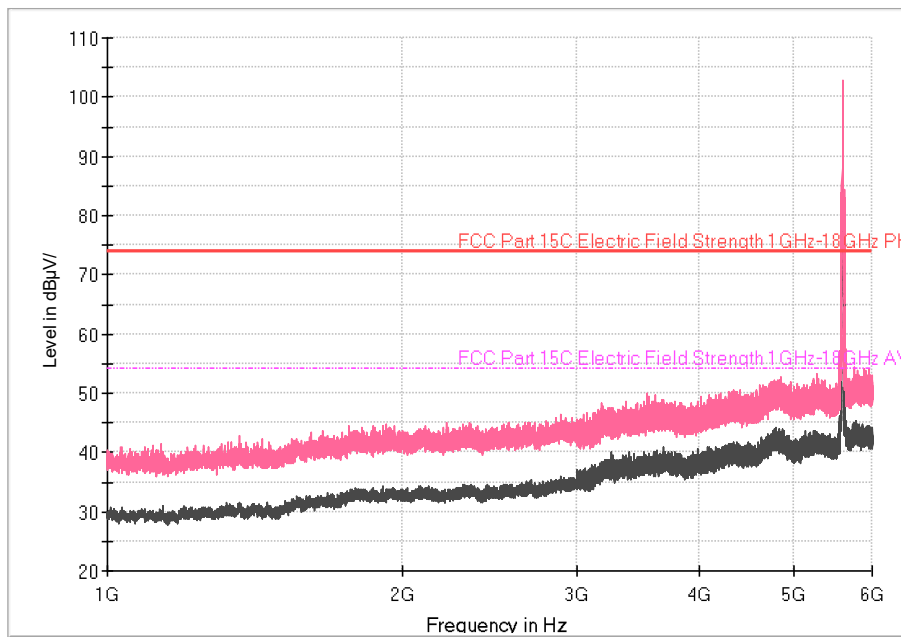
(MHz)	(dBuV)	(dBuV)))			
10594.000	---	53.04	---	34.14	54.00	19.86	-18.90	Vertical
12315.200	---	52.64	---	35.14	54.00	18.86	-17.50	Vertical
14590.000	---	54.52	---	40.42	54.00	13.58	-14.10	Vertical
15306.000	---	54.77	---	40.67	54.00	13.33	-14.10	Vertical
16873.200	---	56.43	---	43.43	54.00	10.57	-13.00	Vertical
17564.000	---	56.42	---	44.52	54.00	9.48	-11.90	Vertical

【5470~5725】

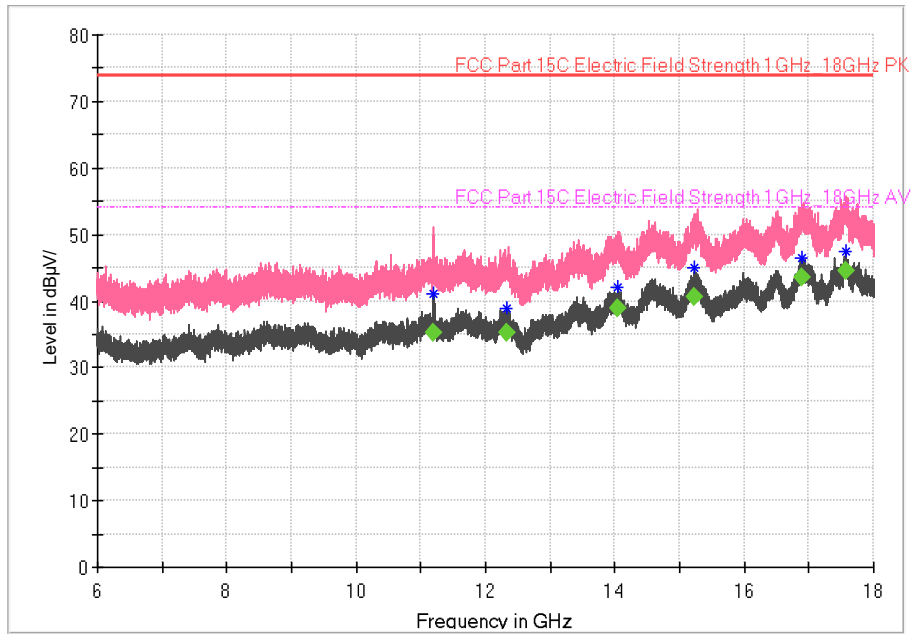
● 802.11a

**Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.120)**

Full Spectrum



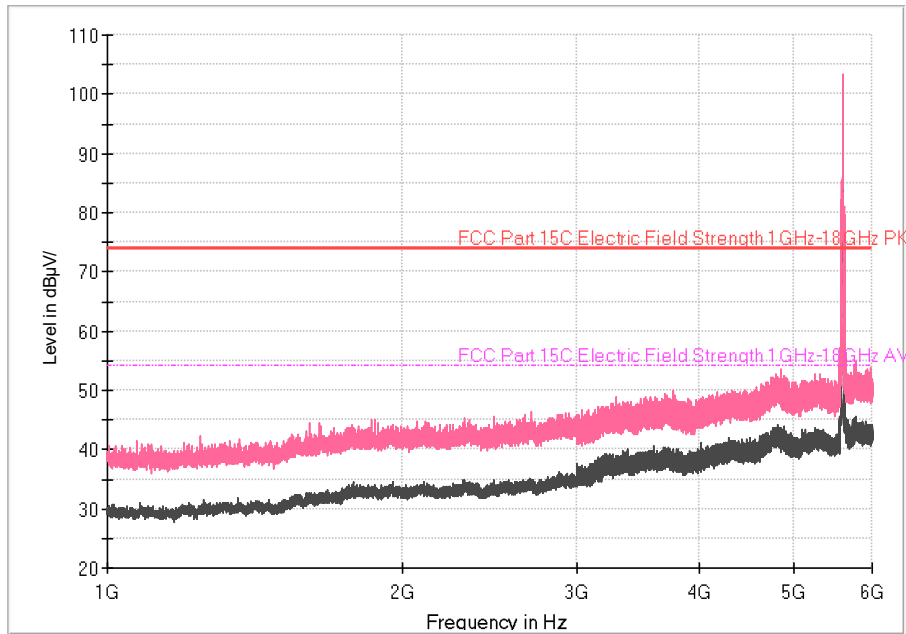
Full Spectrum



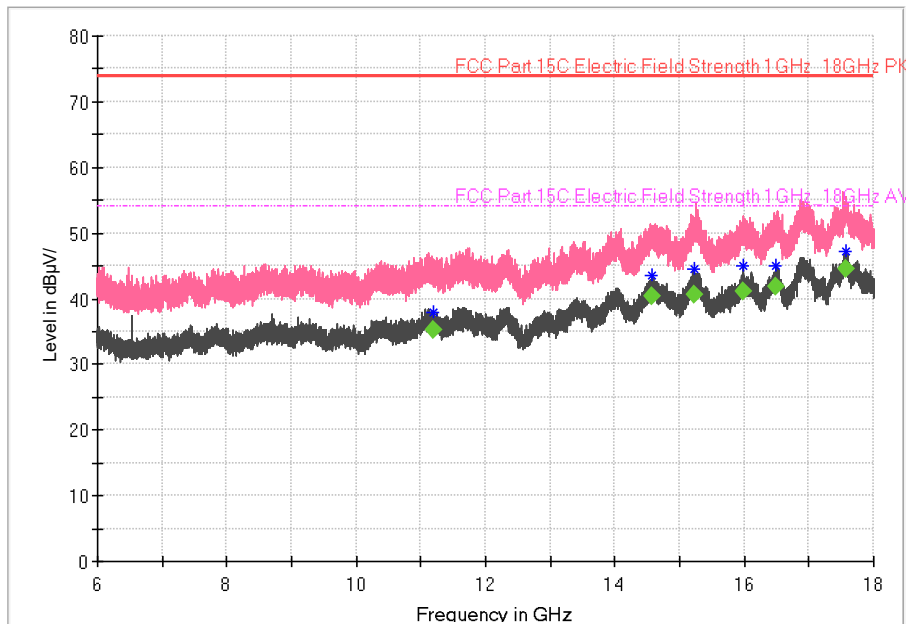
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11199.600	---	52.85	---	35.25	54.00	18.75	-17.60	Vertical
12334.000	---	52.73	---	35.23	54.00	18.77	-17.50	Vertical
14045.200	---	53.37	---	38.87	54.00	15.13	-14.50	Vertical
15239.200	---	54.52	---	40.52	54.00	13.48	-14.00	Vertical
16879.200	---	56.51	---	43.51	54.00	10.49	-13.00	Vertical
17564.000	---	56.33	---	44.43	54.00	9.57	-11.90	Vertical

● **802.11n (HT20)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.120)

Full Spectrum



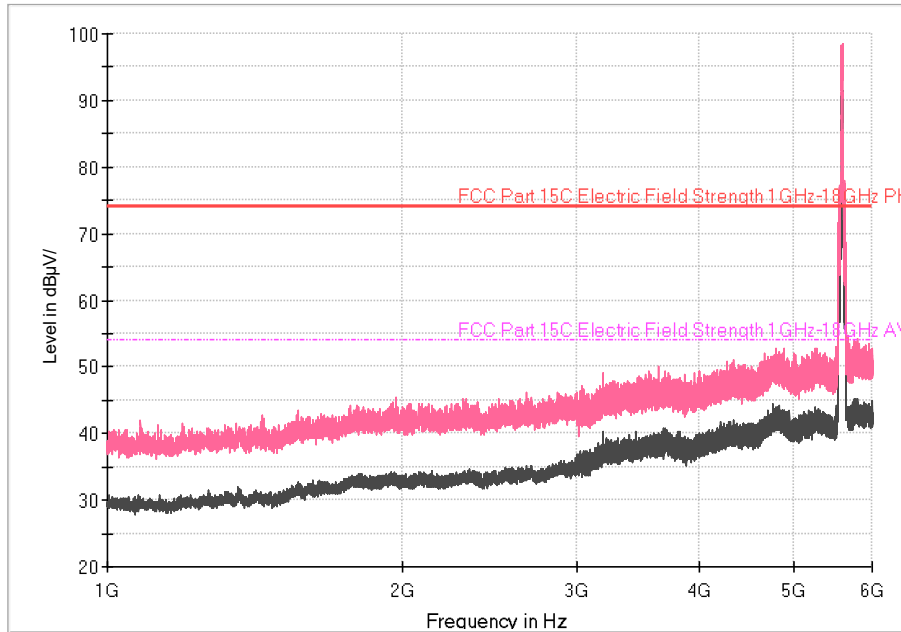
Full Spectrum



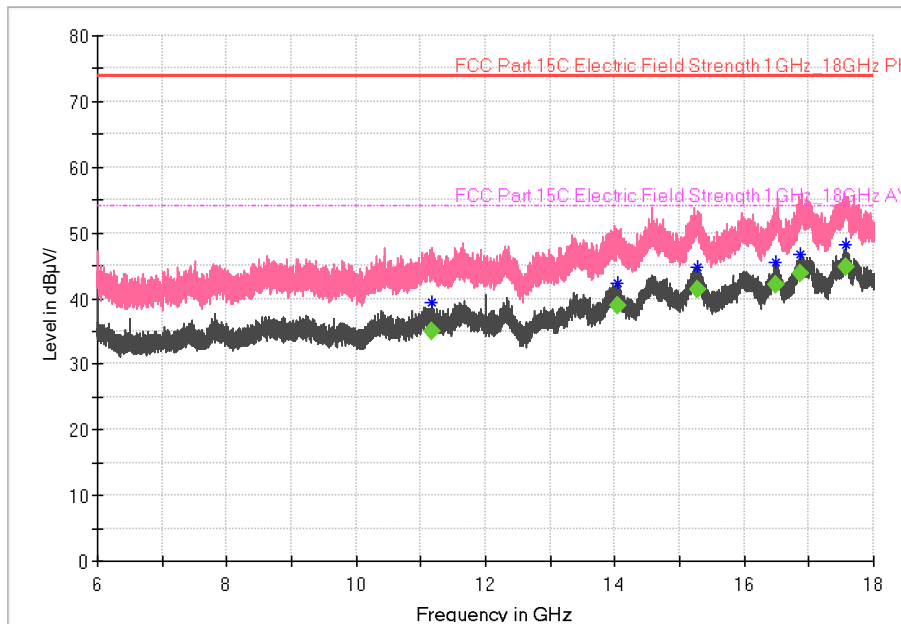
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11202.800	---	52.71	---	35.11	54.00	18.89	-17.60	Vertical
14574.800	---	54.35	---	40.35	54.00	13.65	-14.00	Vertical
15218.000	---	54.56	---	40.56	54.00	13.44	-14.00	Vertical
15988.000	---	55.64	---	41.04	54.00	12.96	-14.60	Vertical
16497.600	---	55.70	---	41.90	54.00	12.10	-13.80	Vertical
17571.600	---	56.33	---	44.43	54.00	9.57	-11.90	Vertical

● 802.11n (HT40)
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.118)

Full Spectrum

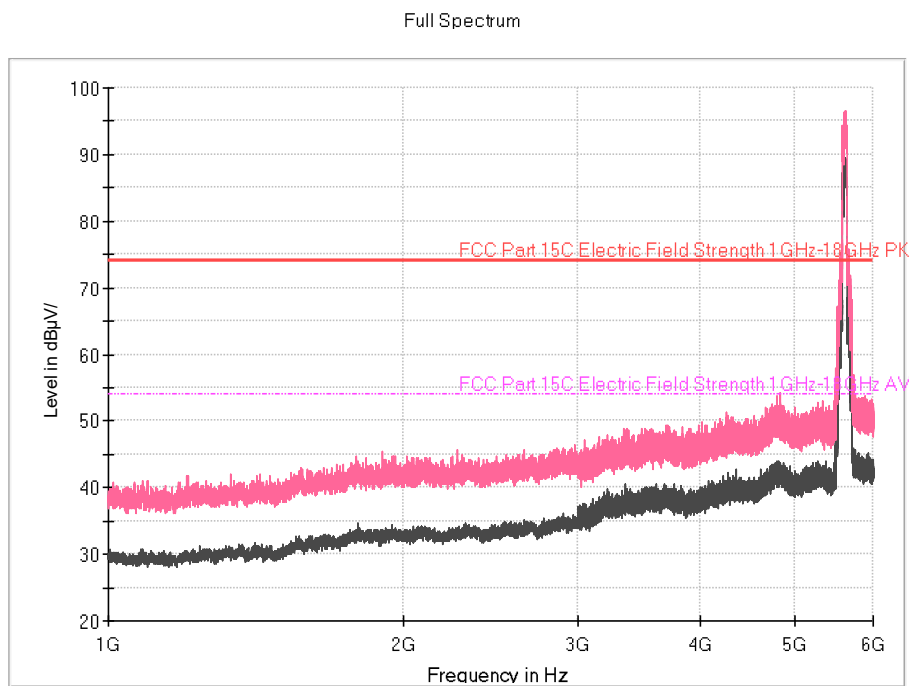


Full Spectrum

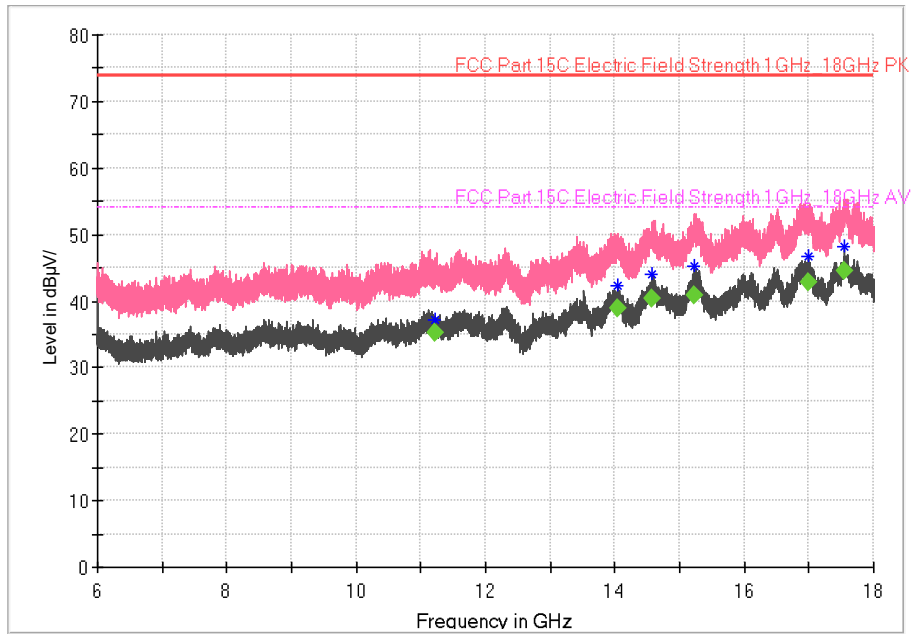


Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11175.200	---	52.66	---	34.96	54.00	19.04	-17.70	Vertical
14050.800	---	53.33	---	38.83	54.00	15.17	-14.50	Vertical
15269.600	---	55.44	---	41.34	54.00	12.66	-14.10	Vertical
16478.400	---	55.88	---	42.18	54.00	11.82	-13.70	Vertical
16877.600	---	56.90	---	43.90	54.00	10.10	-13.00	Vertical
17562.800	---	56.66	---	44.76	54.00	9.24	-11.90	Vertical

● **802.11ac (VHT80)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.122)



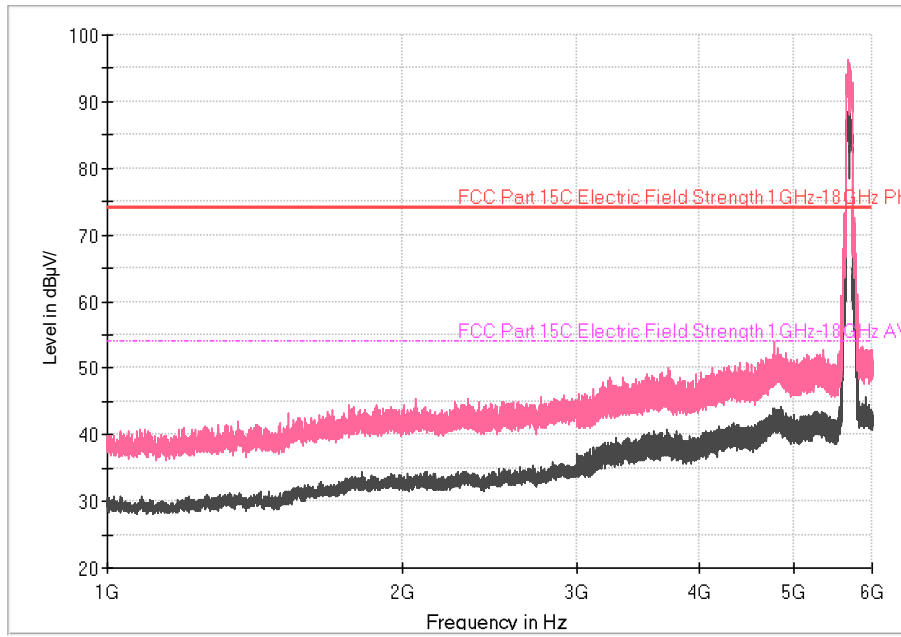
Full Spectrum



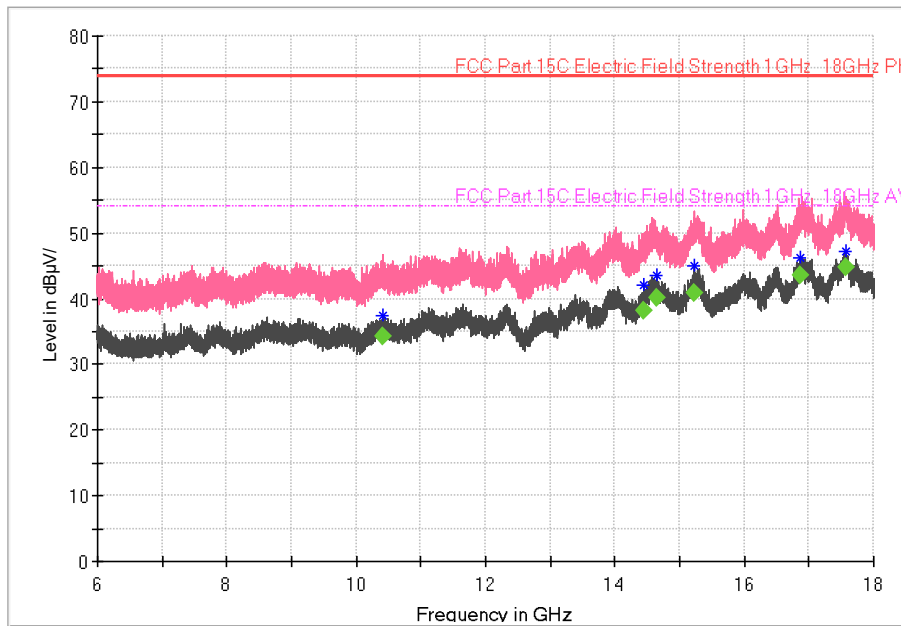
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11206.000	---	52.76	---	35.16	54.00	18.84	-17.60	Vertical
14039.200	---	53.33	---	38.83	54.00	15.17	-14.50	Vertical
14573.600	---	54.47	---	40.47	54.00	13.53	-14.00	Vertical
15226.000	---	54.94	---	40.94	54.00	13.06	-14.00	Vertical
17000.000	---	55.73	---	42.93	54.00	11.07	-12.80	Vertical
17542.000	---	56.44	---	44.44	54.00	9.56	-12.00	Vertical

● **802.11ac (VHT80)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.138)

Full Spectrum



Full Spectrum



Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
10423.200	---	53.30	---	34.20	54.00	19.80	-19.10	Vertical
14434.400	---	52.22	---	38.12	54.00	15.88	-14.10	Vertical

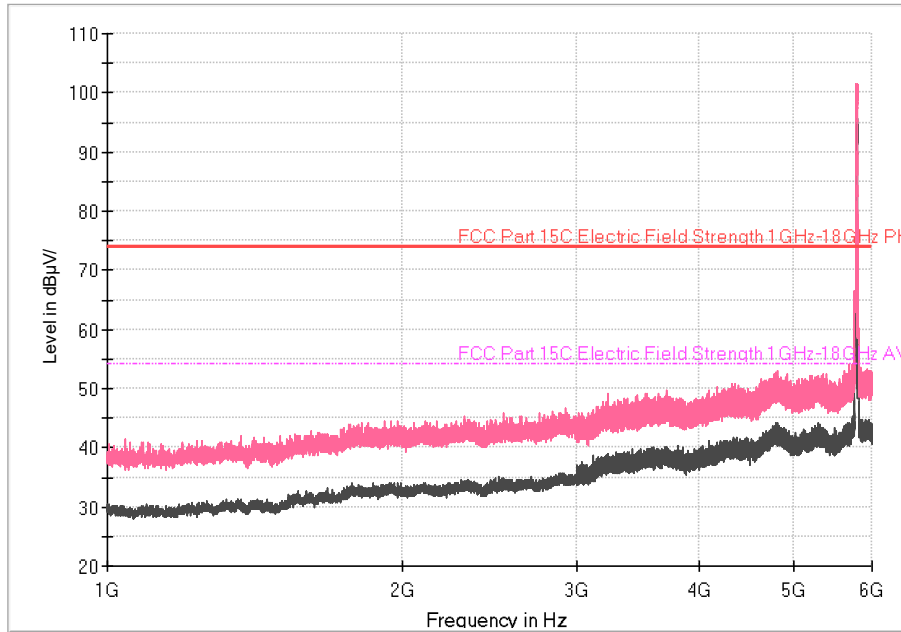
14639.600	---	54.11	---	40.01	54.00	13.99	-14.10	Vertical
15231.600	---	54.75	---	40.75	54.00	13.25	-14.00	Vertical
16876.000	---	56.52	---	43.52	54.00	10.48	-13.00	Vertical
17578.000	---	56.60	---	44.70	54.00	9.30	-11.90	Vertical

【5725~5850】

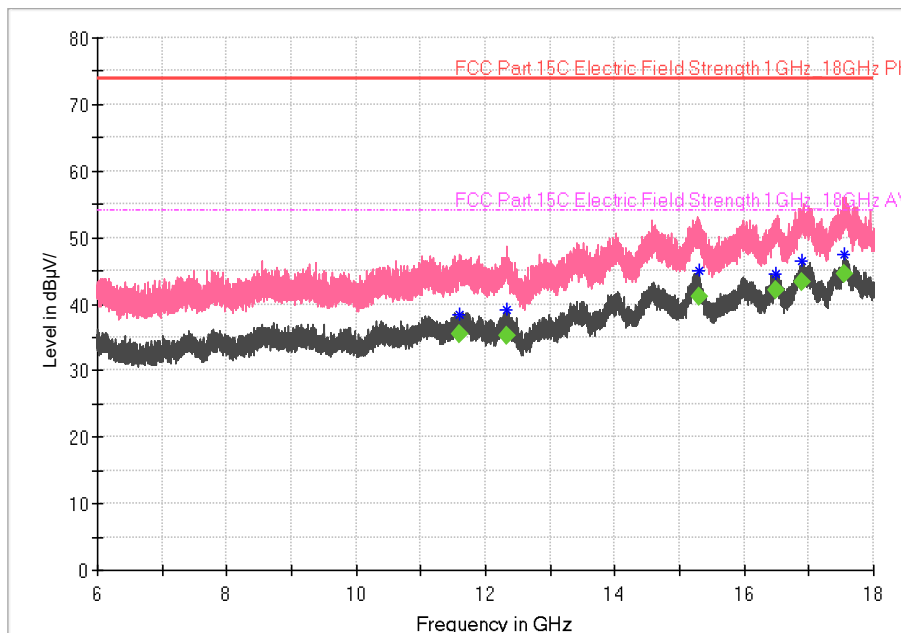
● 802.11a

**Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.157)**

Full Spectrum



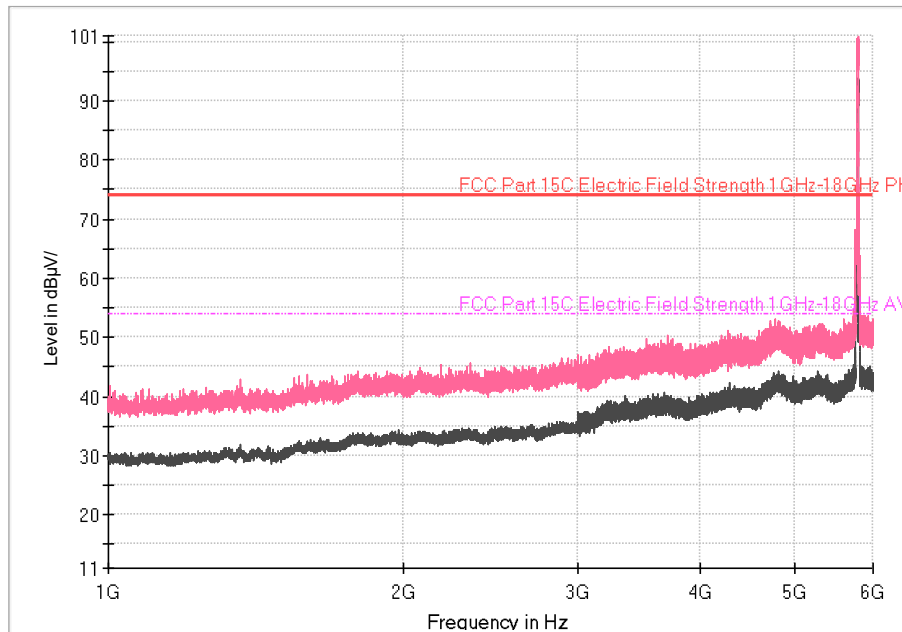
Full Spectrum



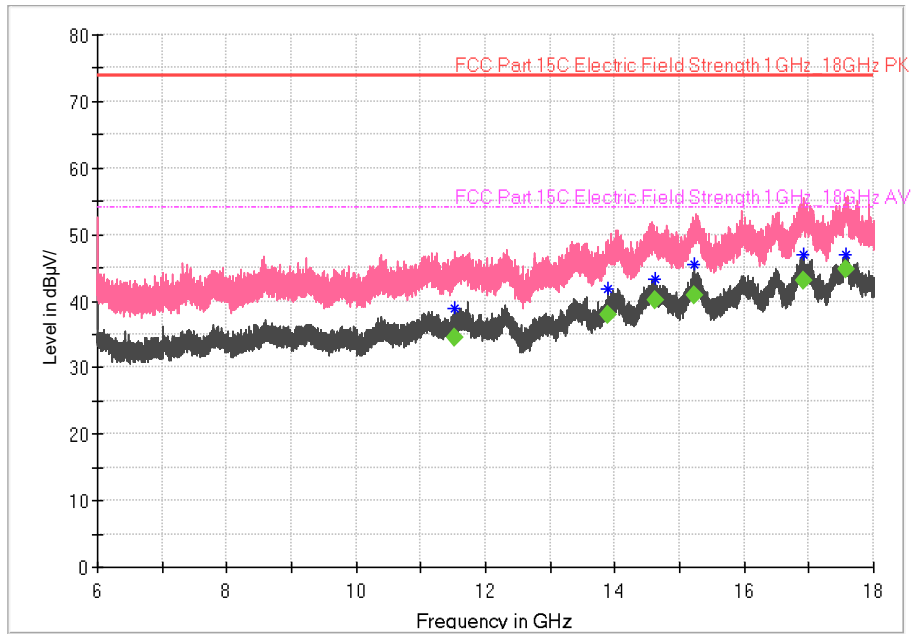
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11587.600	---	52.45	---	35.55	54.00	18.45	-16.90	Vertical
12315.600	---	52.69	---	35.19	54.00	18.81	-17.50	Vertical
15297.600	---	55.09	---	40.99	54.00	13.01	-14.10	Vertical
16478.400	---	55.78	---	42.08	54.00	11.92	-13.70	Vertical
16885.200	---	56.25	---	43.25	54.00	10.75	-13.00	Vertical
17558.000	---	56.36	---	44.46	54.00	9.54	-11.90	Vertical

● **802.11n (HT20)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.157)

Full Spectrum



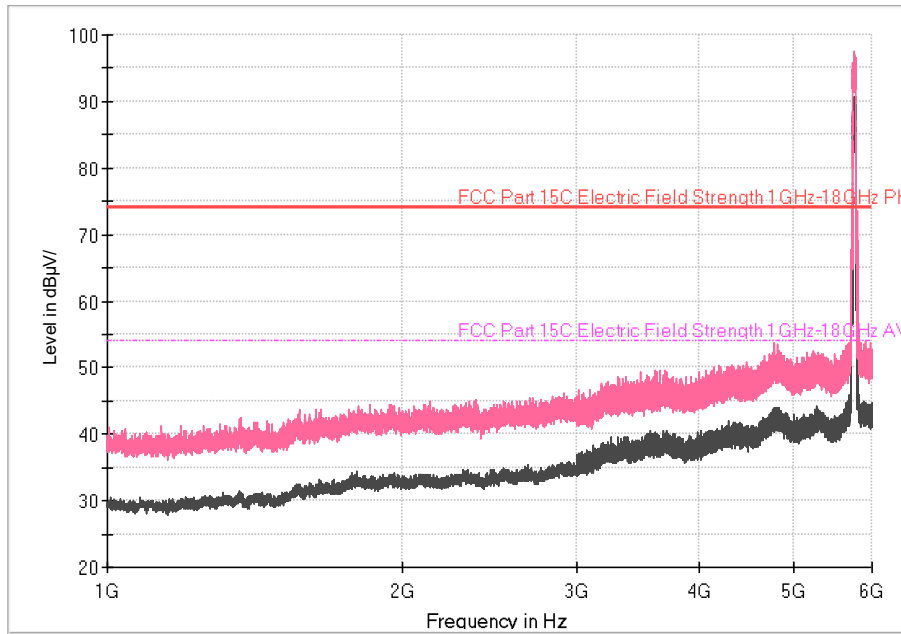
Full Spectrum



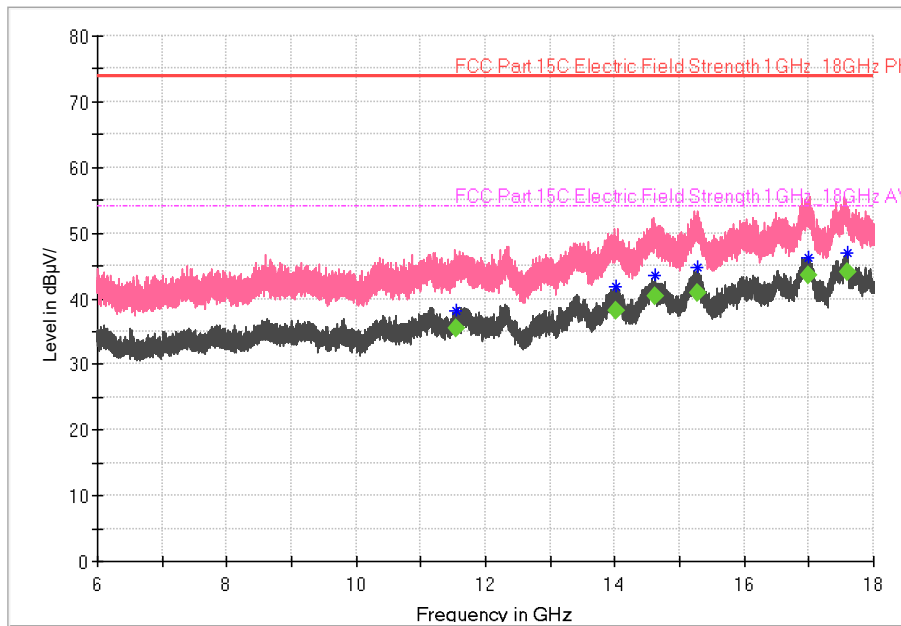
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{RPI} (dB)	Polarity
11529.600	---	51.50	---	34.60	54.00	19.40	-16.90	Vertical
13880.800	---	52.44	---	37.94	54.00	16.06	-14.50	Vertical
14624.800	---	54.25	---	40.15	54.00	13.85	-14.10	Vertical
15231.600	---	54.75	---	40.75	54.00	13.25	-14.00	Vertical
16921.600	---	56.02	---	43.12	54.00	10.88	-12.90	Vertical
17560.000	---	56.60	---	44.70	54.00	9.30	-11.90	Vertical

● **802.11n (HT40)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.151)

Full Spectrum



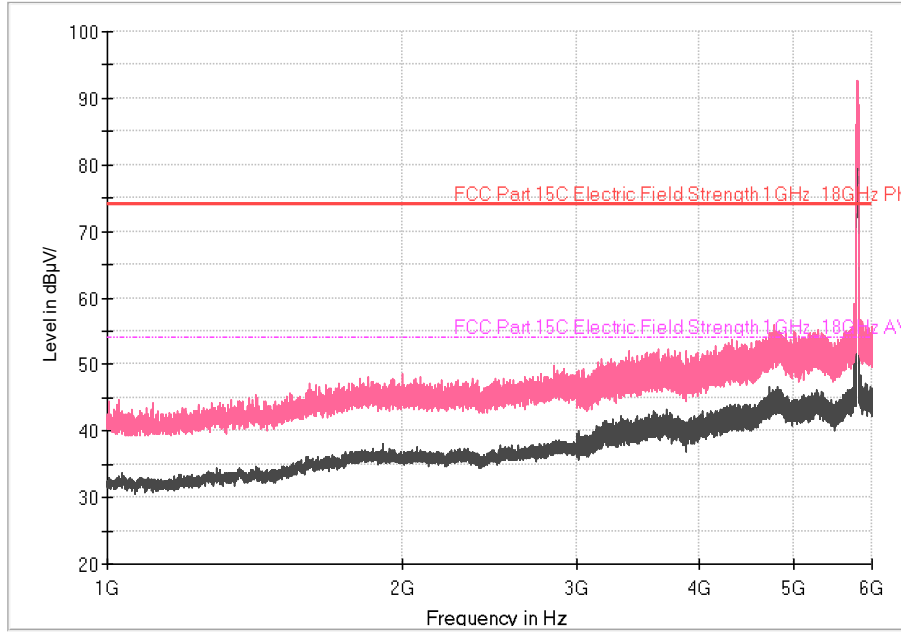
Full Spectrum



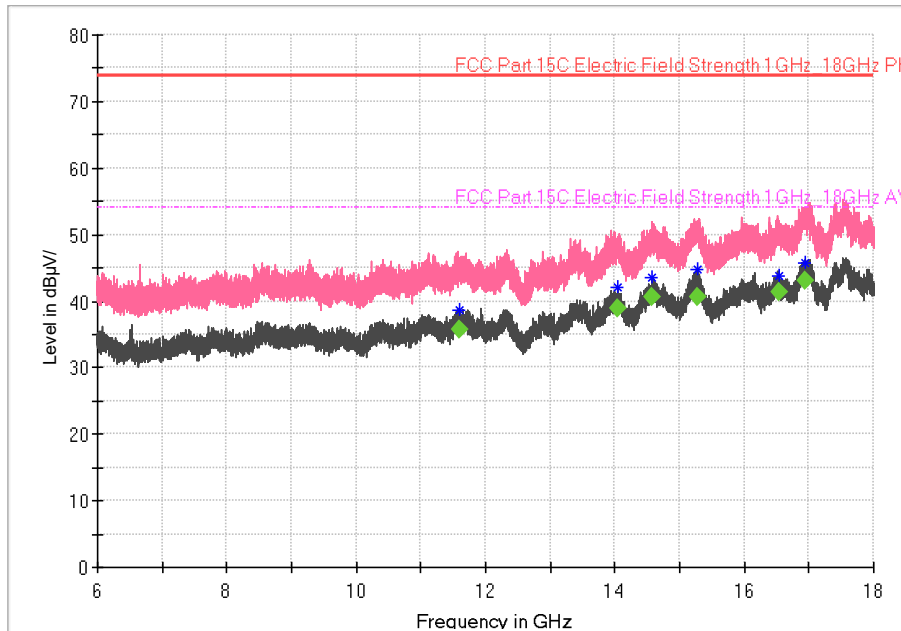
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11549.600	---	52.33	---	35.43	54.00	18.57	-16.90	Vertical
14008.400	---	52.68	---	38.28	54.00	15.72	-14.40	Vertical
14618.800	---	54.41	---	40.31	54.00	13.69	-14.10	Vertical
15276.800	---	55.01	---	40.91	54.00	13.09	-14.10	Vertical
16981.200	---	56.37	---	43.57	54.00	10.43	-12.80	Vertical
17586.000	---	56.03	---	44.13	54.00	9.87	-11.90	Vertical

● 802.11n (HT40)
 Spurious Radiated Emissions from 1GHz to 18GHz:
 CH Middle (No.159)

Full Spectrum

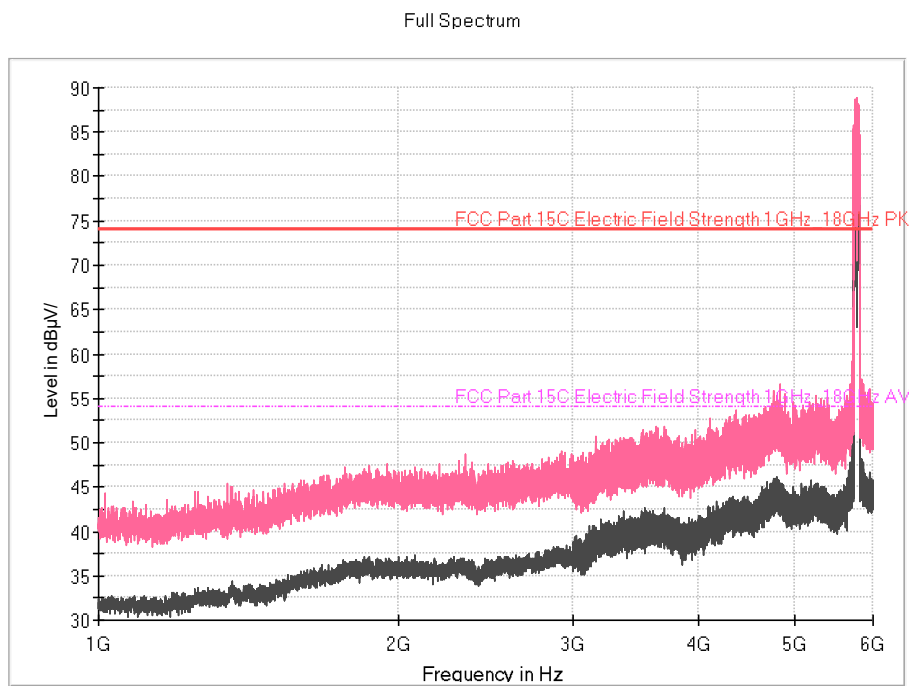


Full Spectrum

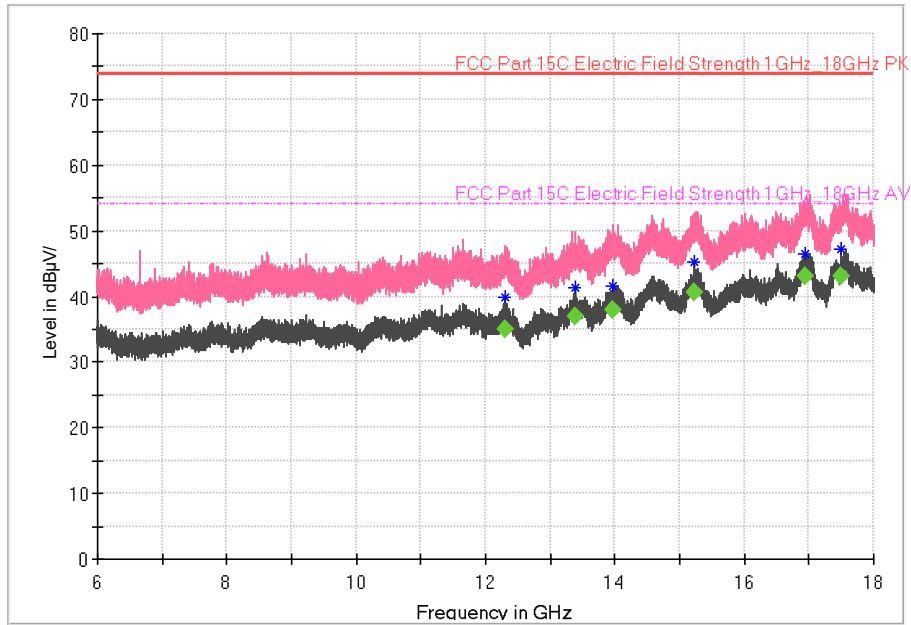


Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11608.800	---	52.65	---	35.75	54.00	18.25	-16.90	Vertical
14043.200	---	53.29	---	38.79	54.00	15.21	-14.50	Vertical
14580.000	---	54.51	---	40.51	54.00	13.49	-14.00	Vertical
15274.800	---	54.83	---	40.73	54.00	13.27	-14.10	Vertical
16542.400	---	55.10	---	41.30	54.00	12.70	-13.80	Vertical
16944.800	---	56.03	---	43.13	54.00	10.87	-12.90	Vertical

● **802.11ac (VHT80)**
Spurious Radiated Emissions from 1GHz to 18GHz:
CH Middle (No.155)

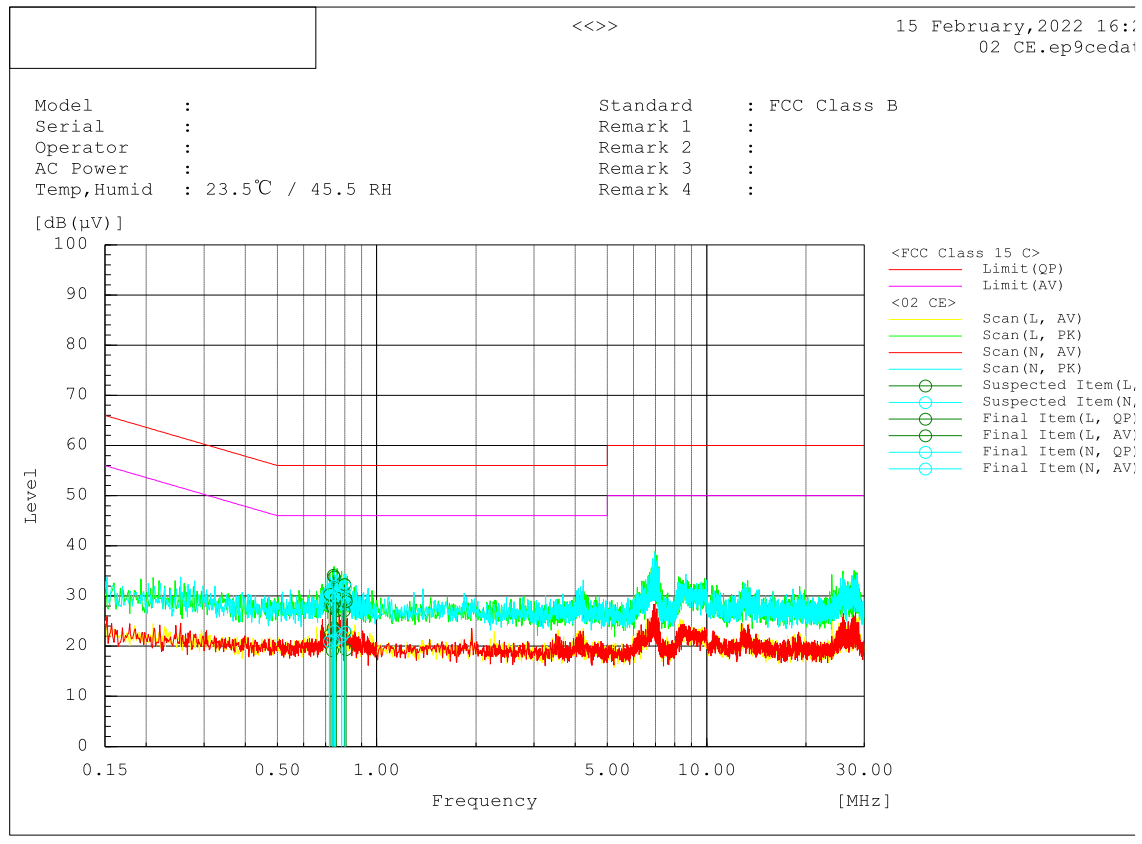


Full Spectrum



Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
12299.600	---	52.49	---	34.99	54.00	19.01	-17.50	Vertical
13389.600	---	52.18	---	36.98	54.00	17.02	-15.20	Vertical
13974.000	---	52.38	---	37.98	54.00	16.02	-14.40	Vertical
15219.600	---	54.68	---	40.68	54.00	13.32	-14.00	Vertical
16944.400	---	56.01	---	43.11	54.00	10.89	-12.90	Vertical
17498.400	---	55.13	---	43.13	54.00	10.87	-12.00	Vertical

AC Power line Conducted Emission(EUT TX on (11b) + charging)



Range	Frequency	Line	Reading			Factor	Level			Limit			Margin			Pass/Fail	
			dB(µV)				dB(µV)			dB(µV)			dB				
	MHz		QP	AV	PK		QP	AV	PK		QP	AV	PK	QP	AV	PK	
Band1	0.719	N	10.1	1.2		19.8	29.9	21		56	46		26.1	25			Pass
Band1	0.736	N	11.8	1.4		19.8	31.6	21.2		56	46		24.4	24.8			Pass
Band1	0.745	N	12.2	3.2		19.8	32	23		56	46		24	23			Pass
Band1	0.749	N	10.4	1.4		19.8	30.2	21.2		56	46		25.8	24.8			Pass
Band1	0.784	N	10.7	2.2		19.8	30.5	22		56	46		25.5	24			Pass
Band1	0.802	N	11.9	3		19.8	31.7	22.8		56	46		24.3	23.2			Pass
Band1	0.722	L	10.6	2.5		19.8	30.4	22.3		56	46		25.6	23.7			Pass
Band1	0.734	L	8.2	-0.7		19.8	28	19.1		56	46		28	26.9			Pass
Band1	0.74	L	14.3	3.9		19.8	34.1	23.7		56	46		21.9	22.3			Pass
Band1	0.753	L	9.9	2.3		19.8	29.7	22.1		56	46		26.3	23.9			Pass
Band1	0.799	L	12.5	3.1		19.8	32.3	22.9		56	46		23.7	23.1			Pass
Band1	0.806	L	9.1	-0.5		19.8	28.9	19.3		56	46		27.1	26.7			Pass

---The end of the test report---