

APPENDIX B – TEST DATA OF RADIATED EMISSION

Radiated Emission Band Edge

The measurement results are obtained as described below:

Measure Level = Reading Level + Cable loss + Antenna factor Sample calculation: (100.40 dBuV/m) = (53.50 dBμV) + (12.40 dB) + (34.50 dB), the corresponding frequency is 5180MHz.

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)

【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	53.50	100.40	N/A	N/A	12.40	34.50
5150.0	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)
5180.0	29.80	76.70	N/A	N/A	12.40	34.50
5150.0	-6.30	40.60	-13.40	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	52.40	99.30	N/A	N/A	12.40	34.50
5250.0	13.70	60.60	-13.40	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)
5240.0	35.30	82.20	N/A	N/A	12.40	34.50
5250.0	-2.20	44.70	-9.30	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	50.00	96.90	N/A	N/A	12.40	34.50
5150.0	6.10	53.00	-21.00	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)
5180.0	37.50	84.40	N/A	N/A	12.40	34.50
5150.0	-8.10	38.80	-15.20	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	45.80	92.70	N/A	N/A	12.40	34.50
5250.0	5.70	52.60	-21.40	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)
5240.0	38.70	85.60	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)

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	49.90	96.80	N/A	N/A	12.40	34.50
5150.0	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)
5190.0	37.80	84.70	N/A	N/A	12.40	34.50
5150.0	-2.60	44.30	-9.70	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	52.50	99.40	N/A	N/A	12.40	34.50
5250.0	11.40	58.30	-15.70	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)
5230.0	38.70	85.60	N/A	N/A	12.40	34.50
5250.0	-2.00	44.90	-9.10	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	53.40	100.30	N/A	N/A	12.40	34.50
5240.0	12.70	59.60	-14.40	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)
5260.0	25.90	72.80	N/A	N/A	12.40	34.50
5240.0	-9.10	37.80	-16.20	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	46.30	93.20	N/A	N/A	12.40	34.50
5340.0	2.20	49.10	-24.90	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)
5320.0	34.20	81.10	N/A	N/A	12.40	34.50
5340.0	-15.70	31.20	-22.80	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	51.60	98.50	N/A	N/A	12.40	34.50
5240.0	3.80	50.70	-23.30	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)
5260.0	38.60	85.50	N/A	N/A	12.40	34.50
5240.0	-9.00	37.90	-16.10	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	52.40	99.30	N/A	N/A	12.40	34.50
5340.0	10.80	57.70	-16.30	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)
5320.0	36.00	82.90	N/A	N/A	12.40	34.50
5340.0	-12.60	34.30	-19.70	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	50.30	97.20	N/A	N/A	12.40	34.50
5230.0	-4.30	42.60	-31.40	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)
5270.0	27.70	74.60	N/A	N/A	12.40	34.50
5230.0	-18.00	28.90	-25.10	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	56.20	103.10	N/A	N/A	12.40	34.50
5350.0	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)
5310.0	30.50	77.40	N/A	N/A	12.40	34.50
5350.0	-19.20	27.70	-26.30	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	51.40	98.30	N/A	N/A	12.40	34.50
5480.0	8.90	55.80	-18.20	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)
5500.0	34.20	81.10	N/A	N/A	12.40	34.50
5480.0	-8.40	38.50	-15.50	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	38.30	85.20	N/A	N/A	12.40	34.50
5720.0	13.70	60.60	-13.40	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)
5700.0	14.70	61.60	N/A	N/A	12.40	34.50
5720.0	-12.50	34.40	-19.60	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	42.70	89.60	N/A	N/A	12.40	34.50
5480.0	12.70	59.60	-14.40	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)
5500.0	28.40	75.30	N/A	N/A	12.40	34.50
5480.0	-11.70	35.20	-18.80	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	42.00	88.90	N/A	N/A	12.40	34.50
5720.0	9.50	56.40	-17.60	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	29.40	76.30	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	49.60	96.50	N/A	N/A	12.40	34.50
5470.0	16.60	63.50	-10.50	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)
5510.0	29.00	75.90	N/A	N/A	12.40	34.50
5470.0	0.80	47.70	-6.30	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	52.70	99.60	N/A	N/A	12.40	34.50
5710.0	17.00	63.90	-10.10	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)
5670.0	29.70	76.60	N/A	N/A	12.40	34.50
5710.0	0.80	47.70	-6.30	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	52.20	99.10	N/A	N/A	12.40	34.50
5725.0	4.50	51.40	-22.60	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	21.80	68.70	N/A	N/A	12.40	34.50
5725.0	-10.40	36.50	-17.50	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	47.20	94.10	N/A	N/A	12.40	34.50
5845.0	3.70	50.60	-23.40	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)
5825.0	34.90	81.80	N/A	N/A	12.40	34.50
5845.0	-22.20	24.70	-29.30	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	50.60	97.50	N/A	N/A	12.40	34.50
5725.0	5.40	52.30	-21.70	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)
5745.0	27.80	74.70	N/A	N/A	12.40	34.50
5725.0	-3.30	43.60	-10.40	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	45.60	92.50	N/A	N/A	12.40	34.50
5845.0	3.30	50.20	-23.80	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)
5825.0	21.60	68.50	N/A	N/A	12.40	34.50
5845.0	-14.40	32.50	-21.50	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	44.30	91.20	N/A	N/A	12.40	34.50
5715.0	11.80	58.70	-15.30	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)
5755.0	28.30	75.20	N/A	N/A	12.40	34.50
5715.0	-2.30	44.60	-9.40	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	48.70	95.60	N/A	N/A	12.40	34.50
5835.0	8.00	54.90	-19.10	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)
5795.0	18.30	65.20	N/A	N/A	12.40	34.50
5835.0	-21.80	25.10	-28.90	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:

QuasiPeak=Reading Value + A_{Rpl}

Above 1GHz:

MaxPeak=Reading MaxPeak + A_{Rpl}

OR

Average=Reading Average + A_{Rpl}

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

The worst case attitude: The mobile lay down.

Spurious Radiated Emissions below 30MHz and above 18G:

There were no emissions from 9kHz to 30MHz and above 18G found within 20dB of the limit.

Thus, the test result was not reported according to §15.31 (o).

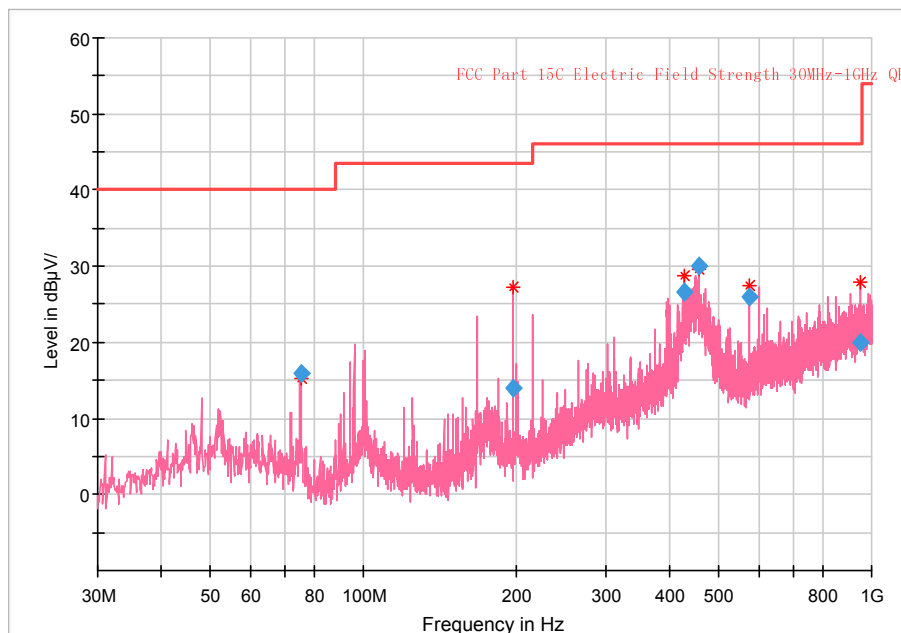
【5150~5250】

● 802.11a

Spurious Radiated Emissions from 30MHz to 1GHz:

CH Middle (No.44)

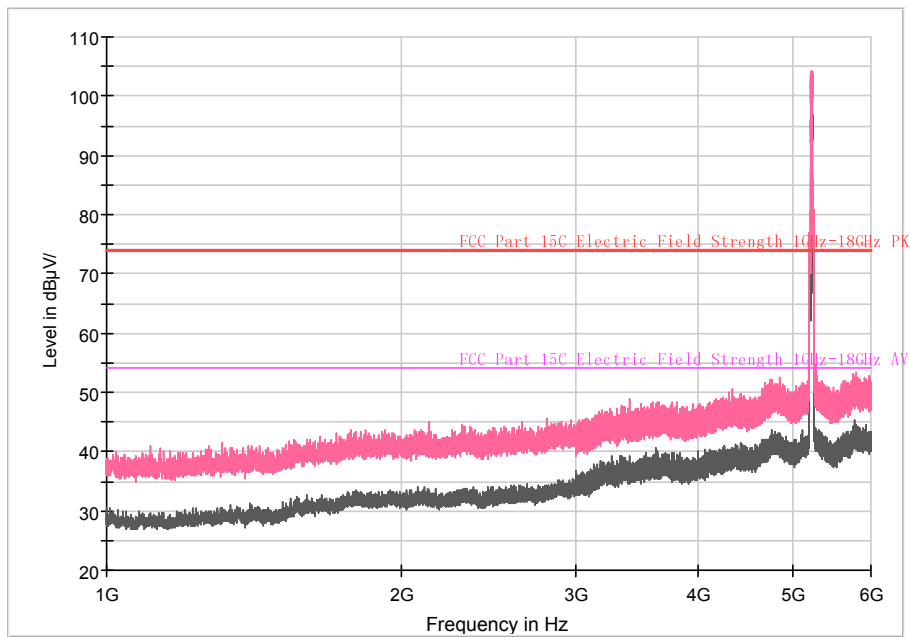
Full Spectrum



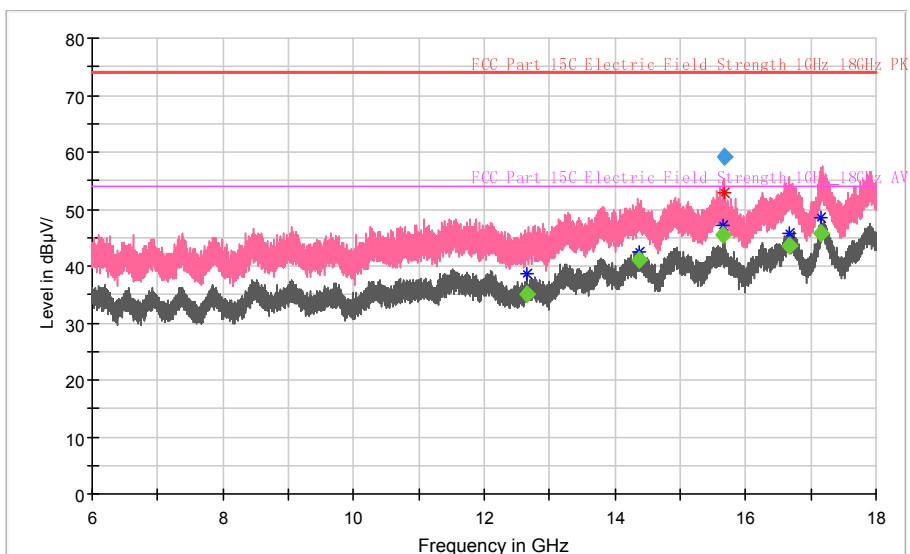
Frequency (MHz)	Reading (dBuV)	QuasiPeak (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{RPI} (dB)	Polarity
75.590	41.35	15.95	40.00	24.05	-25.40	Vertical
197.034	33.68	13.98	43.50	29.52	-19.70	Vertical
426.439	39.43	26.63	46.00	19.37	-12.80	Vertical
456.024	42.45	29.95	46.00	16.05	-12.50	Vertical
576.013	35.63	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



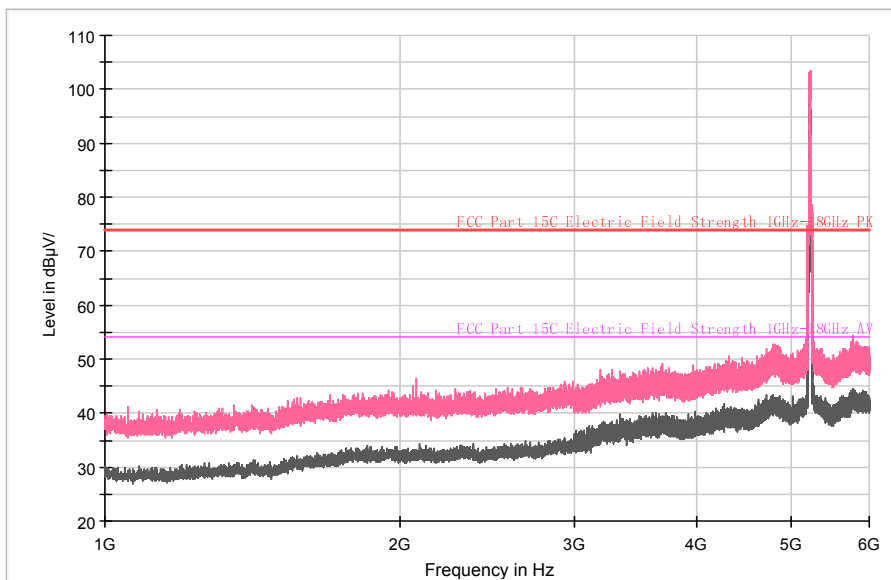
Full Spectrum



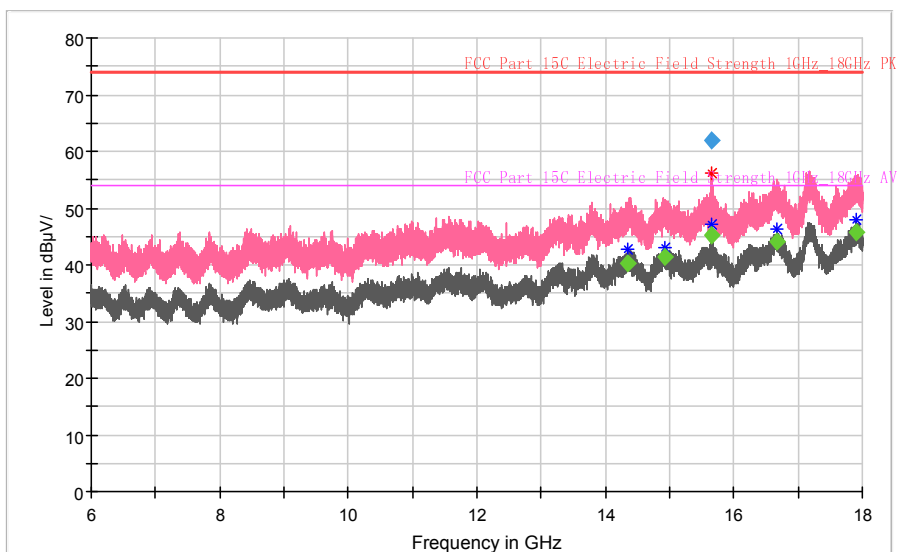
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
12644.000	---	53.12	---	35.02	54.00	18.98	-18.10	Vertical
14359.600	---	55.08	---	40.98	54.00	13.02	-14.10	Vertical
15660.800	---	59.79	---	45.59	54.00	8.41	-14.20	Vertical
15666.800	73.50	---	59.30	---	74.00	14.70	-14.20	Vertical
16663.600	---	57.18	---	43.68	54.00	10.32	-13.50	Vertical
17162.000	---	58.21	---	45.81	54.00	8.19	-12.40	Vertical

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

Full Spectrum



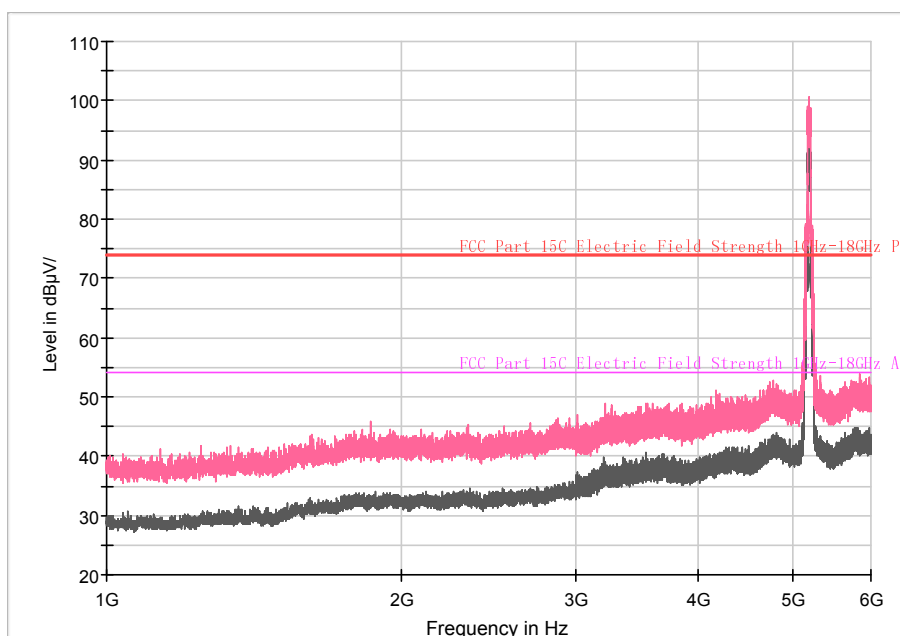
Full Spectrum



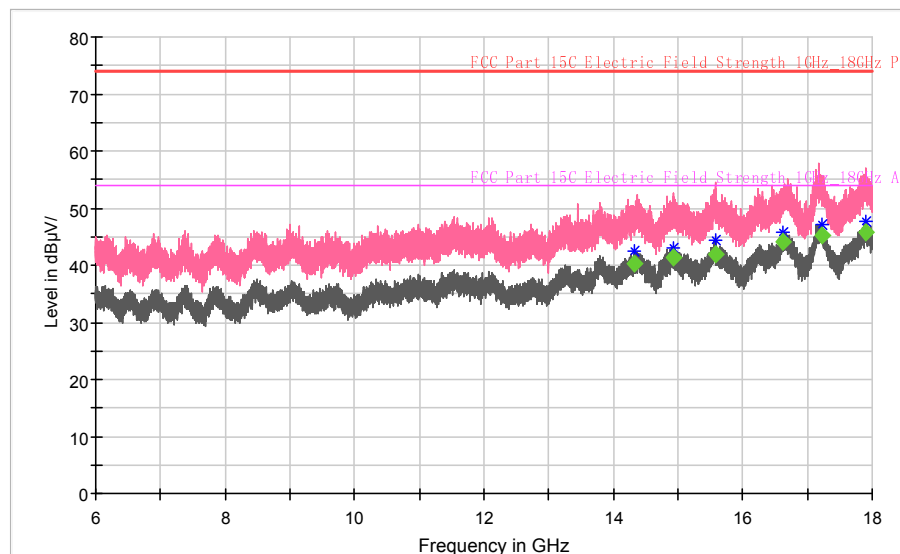
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14335.200	---	54.52	---	40.32	54.00	13.68	-14.20	Vertical
14934.400	---	55.28	---	41.38	54.00	12.62	-13.90	Vertical
15658.000	---	59.49	---	45.29	54.00	8.71	-14.20	Vertical
15661.600	76.21	---	62.01	---	74.00	11.99	-14.20	Vertical
16679.200	---	57.50	---	44.10	54.00	9.90	-13.40	Vertical
17910.400	---	56.17	---	45.67	54.00	8.33	-10.50	Vertical

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

Full Spectrum

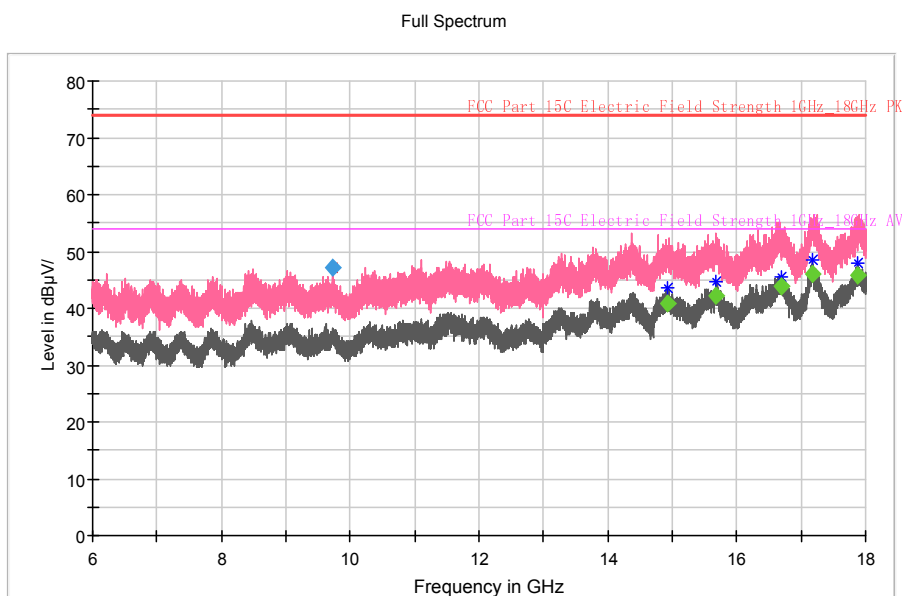
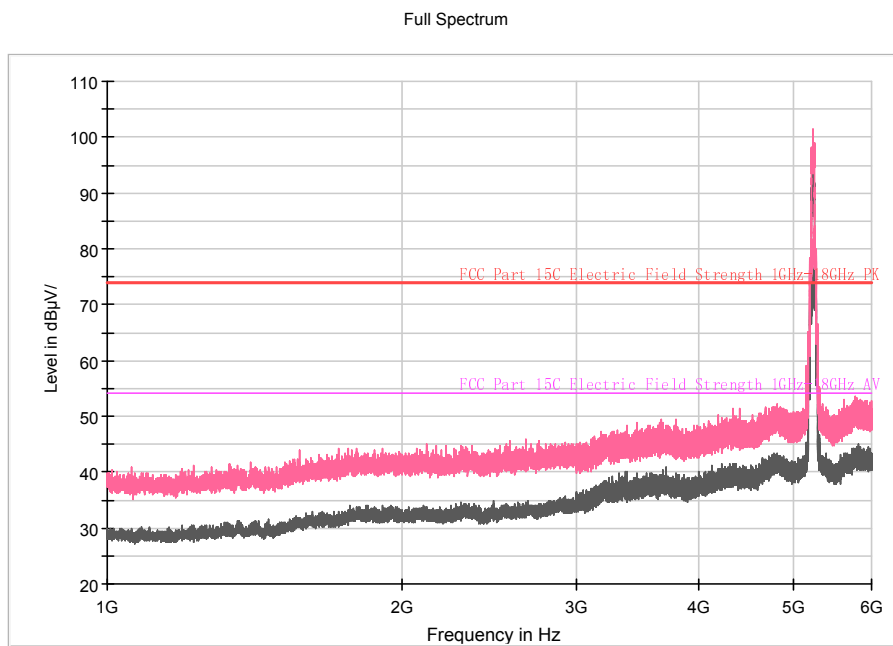


Full Spectrum



Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14327.600	---	54.42	---	40.22	54.00	13.78	-14.20	Vertical
14926.400	---	55.17	---	41.27	54.00	12.73	-13.90	Vertical
15575.200	---	56.17	---	41.97	54.00	12.03	-14.20	Vertical
16632.800	---	57.59	---	43.99	54.00	10.01	-13.60	Vertical
17221.200	---	57.61	---	45.31	54.00	8.69	-12.30	Vertical
17910.000	---	56.22	---	45.72	54.00	8.28	-10.50	Vertical

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



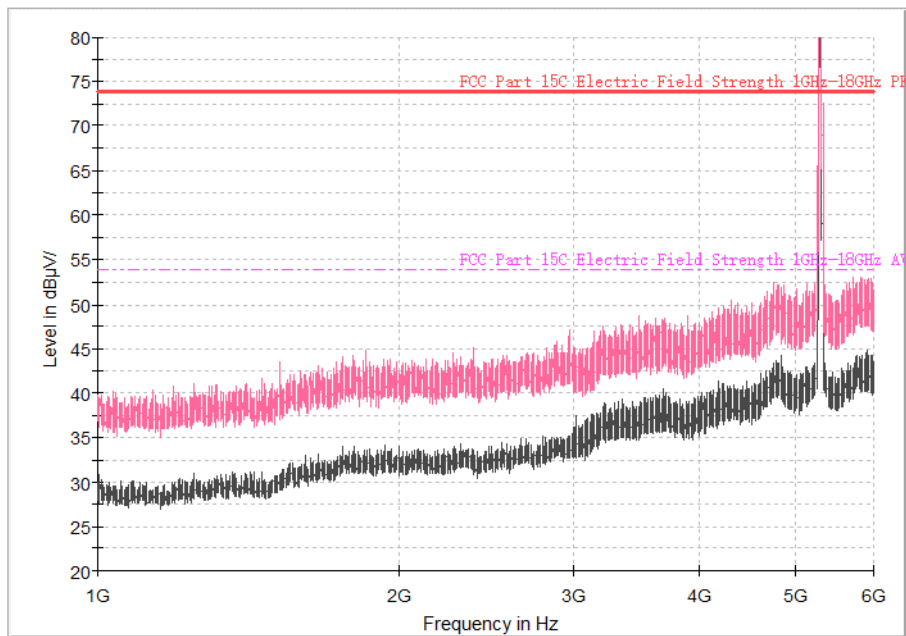
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
9724.000	67.44	---	47.14	---	74.00	26.86	-20.30	Vertical
14926.800	---	54.85	---	40.95	54.00	13.05	-13.90	Vertical
15674.800	---	56.61	---	42.31	54.00	11.69	-14.30	Vertical
16681.600	---	57.27	---	43.87	54.00	10.13	-13.40	Vertical
17172.400	---	58.36	---	46.06	54.00	7.94	-12.30	Vertical
17888.000	---	56.47	---	45.87	54.00	8.13	-10.60	Vertical

【5250~5350】

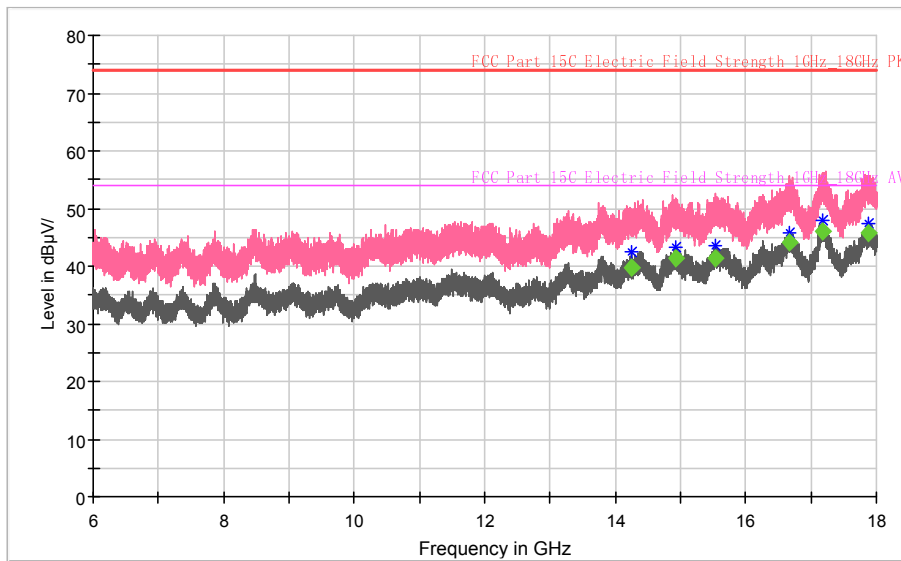
- 802.11a

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

Full Spectrum



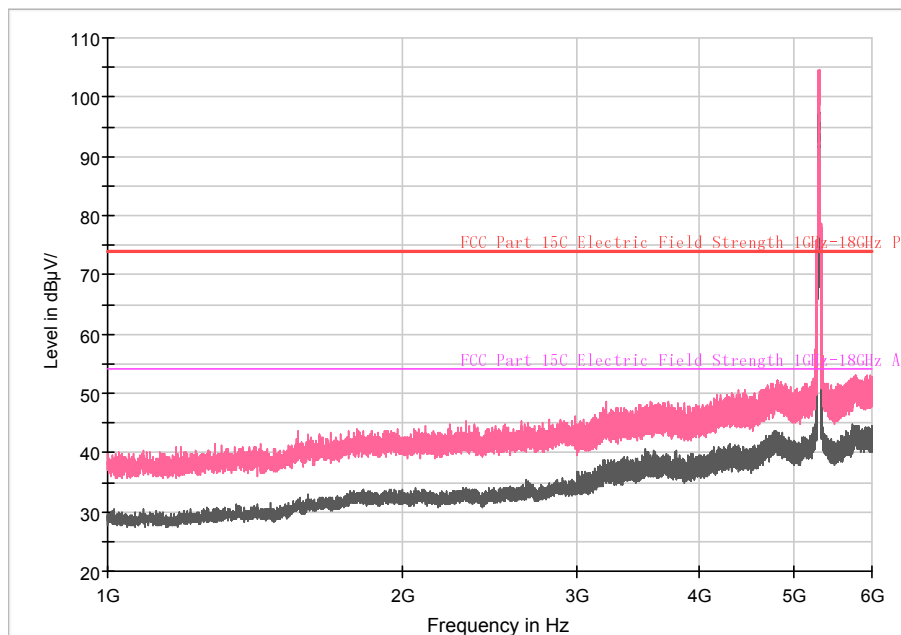
Full Spectrum



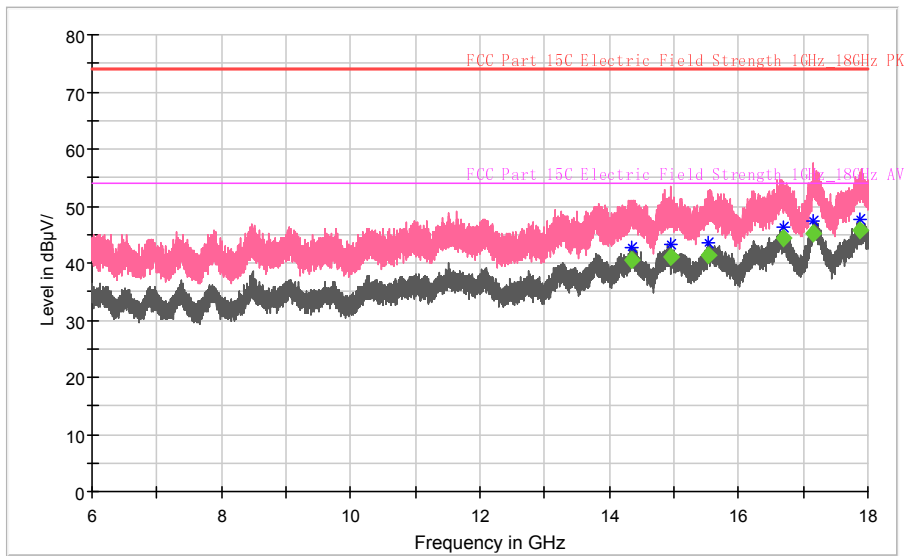
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14238.400	---	53.96	---	39.76	54.00	14.24	-14.20	Vertical
14938.400	---	55.20	---	41.30	54.00	12.70	-13.90	Vertical
15520.800	---	55.65	---	41.45	54.00	12.55	-14.20	Vertical
16671.600	---	57.57	---	44.17	54.00	9.83	-13.40	Vertical
17185.200	---	58.36	---	46.06	54.00	7.94	-12.30	Vertical
17884.000	---	56.45	---	45.75	54.00	8.25	-10.70	Vertical

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

Full Spectrum



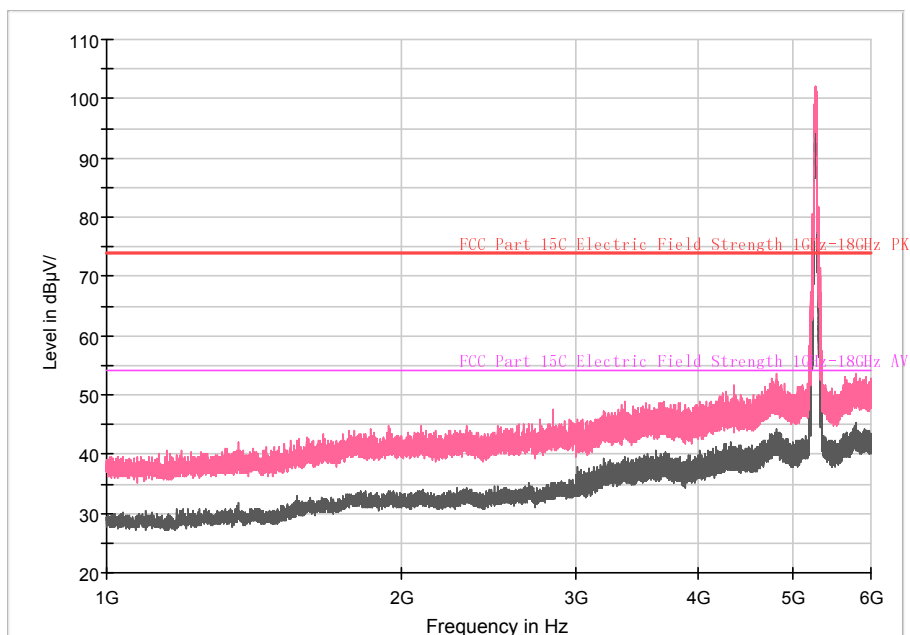
Full Spectrum



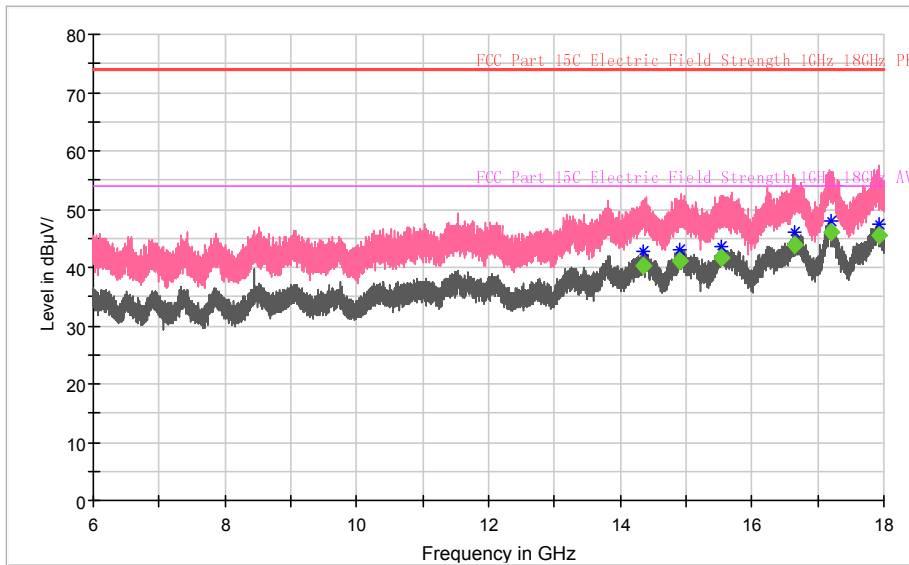
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14340.400	---	54.80	---	40.60	54.00	13.40	-14.20	Vertical
14944.400	---	54.95	---	41.05	54.00	12.95	-13.90	Vertical
15521.600	---	55.67	---	41.47	54.00	12.53	-14.20	Vertical
16689.600	---	57.64	---	44.34	54.00	9.66	-13.30	Vertical
17143.600	---	57.67	---	45.27	54.00	8.73	-12.40	Vertical
17886.400	---	56.48	---	45.78	54.00	8.22	-10.70	Vertical

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

Full Spectrum



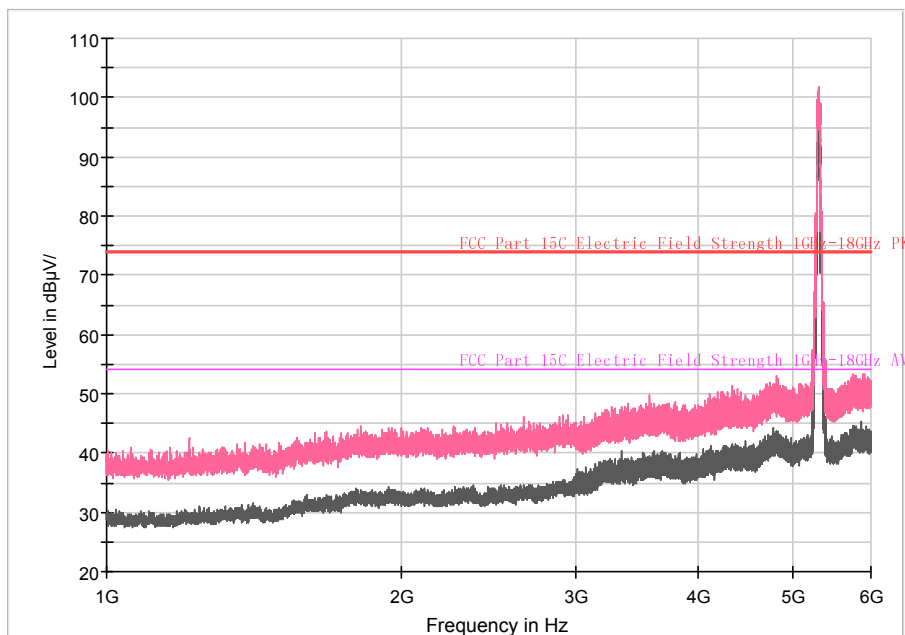
Full Spectrum



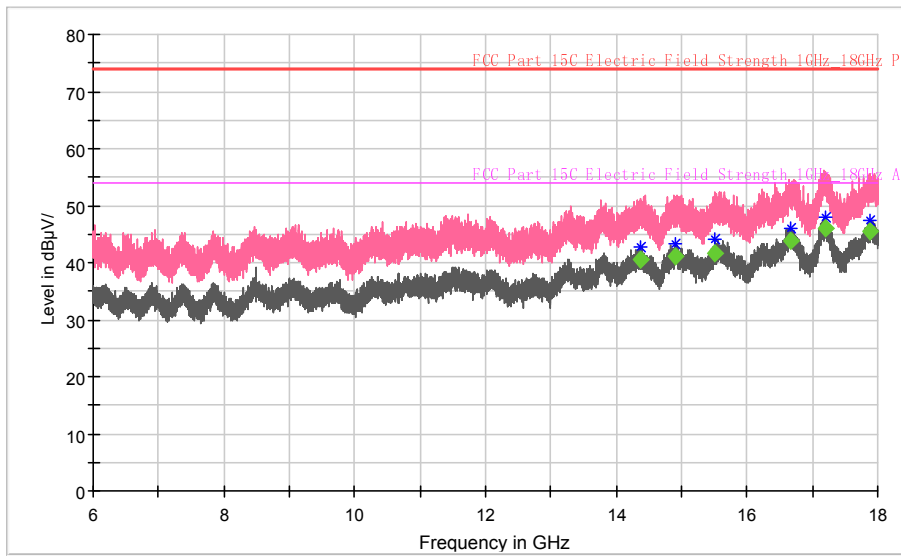
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14344.000	---	54.59	---	40.39	54.00	13.61	-14.20	Vertical
14903.200	---	55.07	---	41.17	54.00	12.83	-13.90	Vertical
15530.800	---	55.76	---	41.56	54.00	12.44	-14.20	Vertical
16644.800	---	57.31	---	43.71	54.00	10.29	-13.60	Vertical
17195.600	---	58.25	---	45.95	54.00	8.05	-12.30	Vertical
17915.600	---	56.01	---	45.51	54.00	8.49	-10.50	Vertical

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

Full Spectrum



Full Spectrum



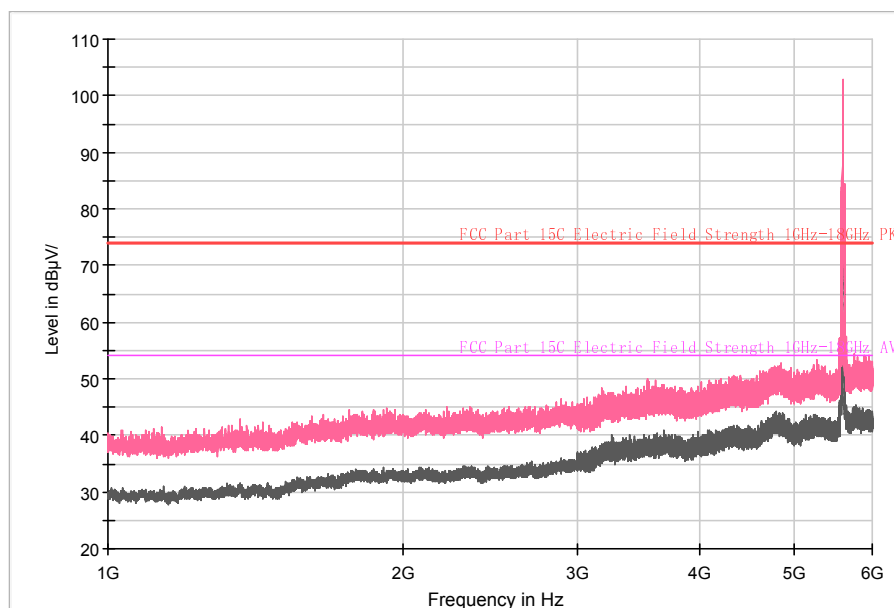
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14360.400	---	54.62	---	40.52	54.00	13.48	-14.10	Vertical
14906.400	---	54.97	---	41.07	54.00	12.93	-13.90	Vertical
15504.800	---	55.75	---	41.55	54.00	12.45	-14.20	Vertical
16673.600	---	57.33	---	43.93	54.00	10.07	-13.40	Vertical
17190.400	---	58.35	---	46.05	54.00	7.95	-12.30	Vertical
17869.600	---	56.35	---	45.55	54.00	8.45	-10.80	Vertical

【5470~5725】

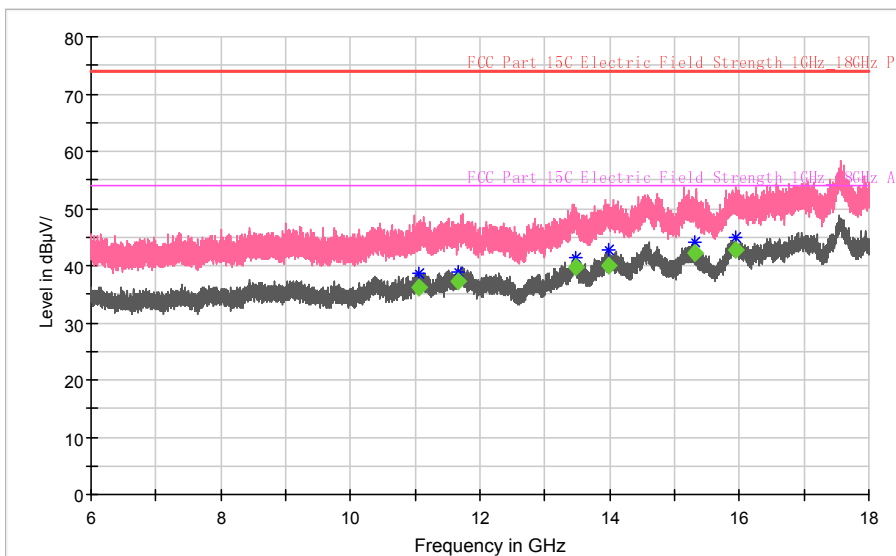
- 802.11a

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

Full Spectrum



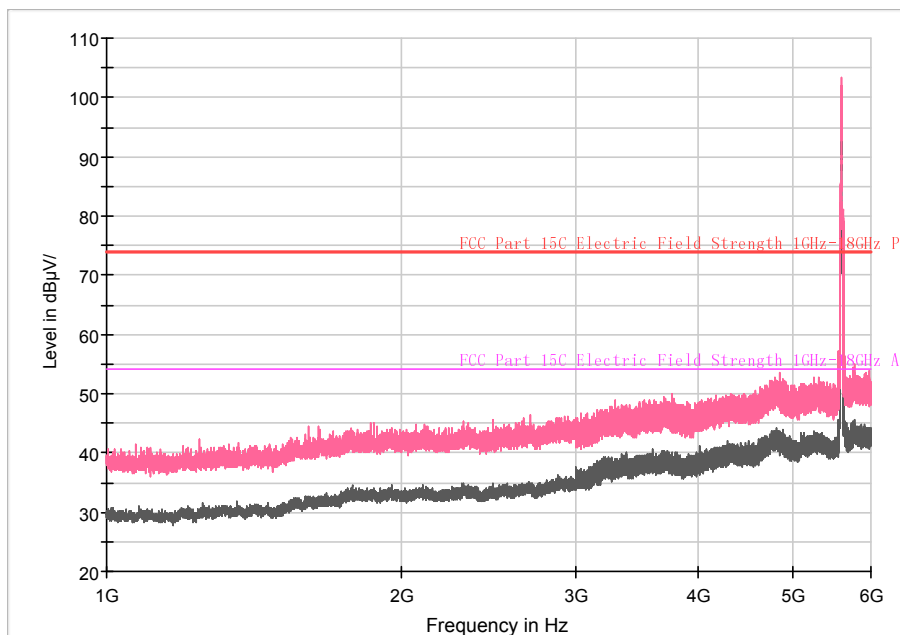
Full Spectrum



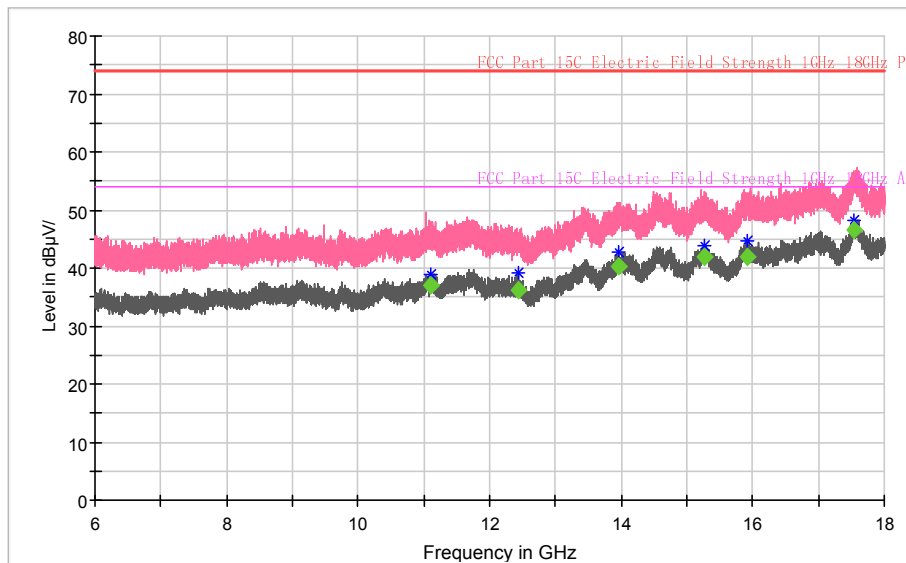
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11051.600	---	54.02	---	36.12	54.00	17.88	-17.90	Vertical
11658.800	---	53.71	---	37.21	54.00	16.79	-16.50	Vertical
13479.200	---	54.22	---	39.72	54.00	14.28	-14.50	Vertical
13975.600	---	53.68	---	39.98	54.00	14.02	-13.70	Vertical
15312.800	---	55.63	---	42.23	54.00	11.77	-13.40	Vertical
15946.000	---	56.60	---	42.70	54.00	11.30	-13.90	Vertical

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

Full Spectrum



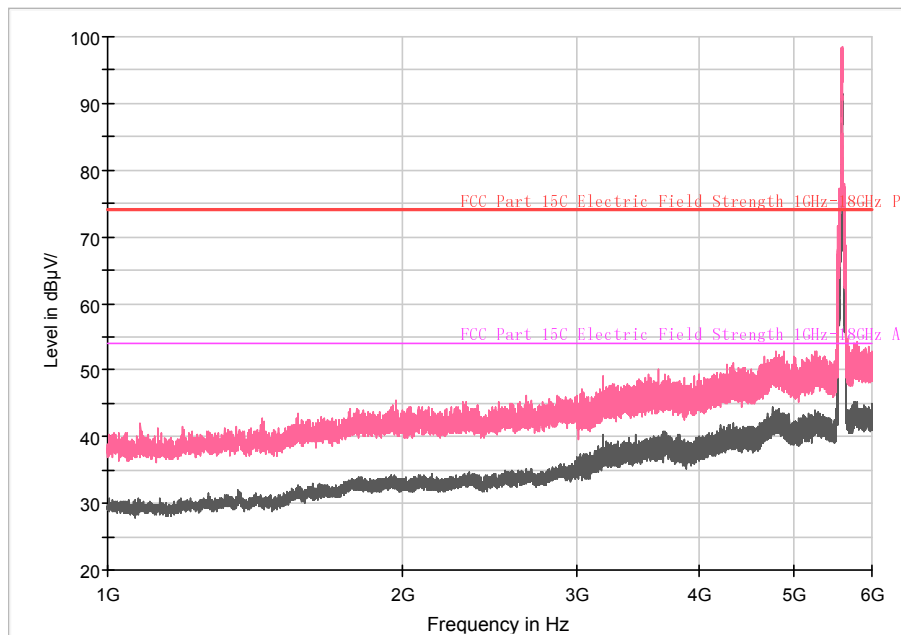
Full Spectrum



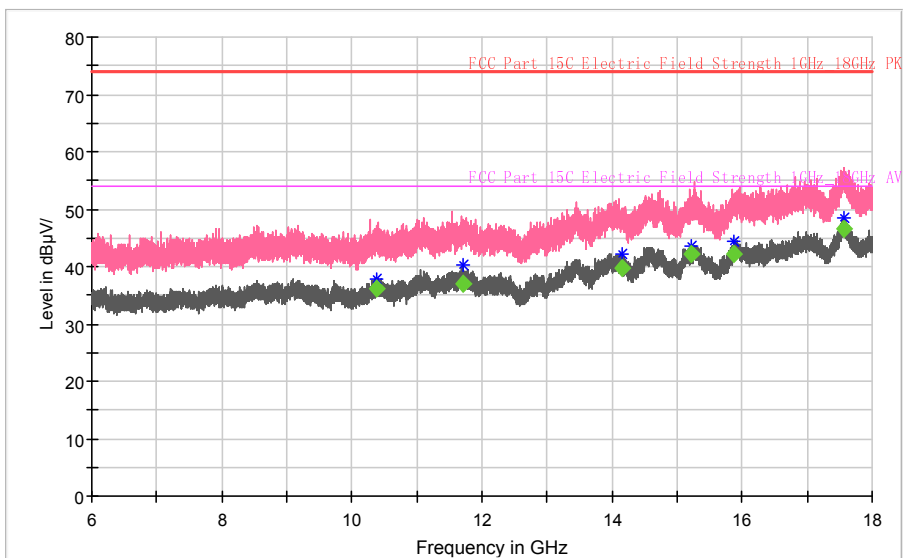
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
11108.800	---	54.71	---	37.01	54.00	16.99	-17.70	Vertical
12438.000	---	53.62	---	36.12	54.00	17.88	-17.50	Vertical
13962.400	---	53.88	---	40.18	54.00	13.82	-13.70	Vertical
15270.000	---	55.32	---	41.82	54.00	12.18	-13.50	Vertical
15925.200	---	55.84	---	41.94	54.00	12.06	-13.90	Vertical
17533.200	---	57.80	---	46.50	54.00	7.50	-11.30	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
10374.800	---	55.13	---	36.23	54.00	17.77	-18.90	Vertical
11703.200	---	53.55	---	36.95	54.00	17.05	-16.60	Vertical
14164.000	---	53.33	---	39.73	54.00	14.27	-13.60	Vertical
15220.400	---	55.70	---	42.10	54.00	11.90	-13.60	Vertical
15869.600	---	56.16	---	42.26	54.00	11.74	-13.90	Vertical
17573.600	---	57.84	---	46.64	54.00	7.36	-11.20	Vertical

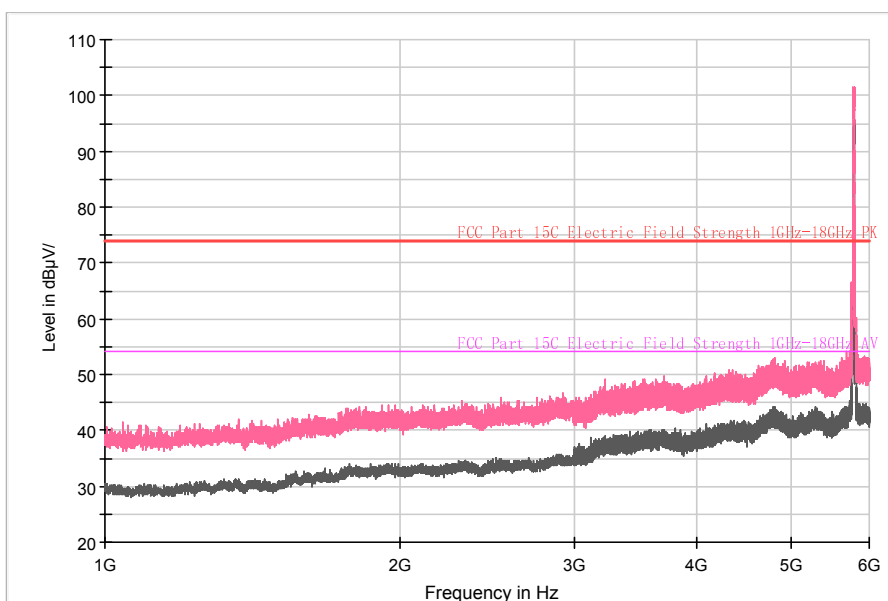
【5725~5850】

- 802.11a

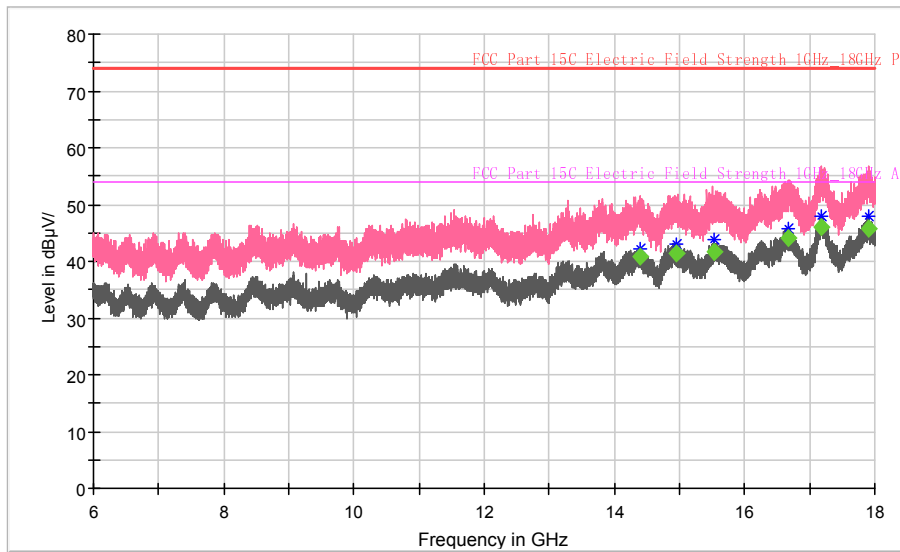
Spurious Radiated Emissions from 1GHz to 18GHz:

CH Middle (No.157)

Full Spectrum



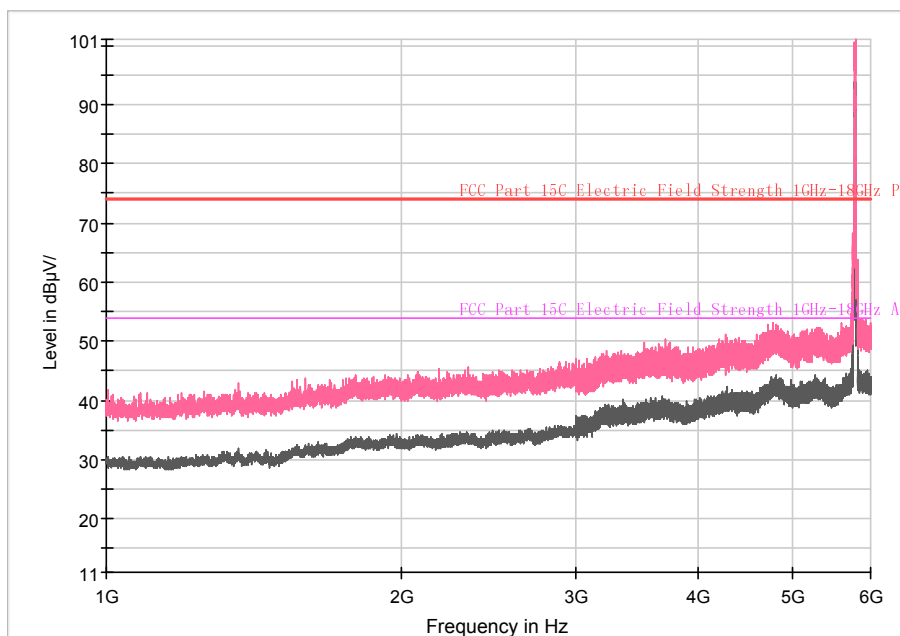
Full Spectrum



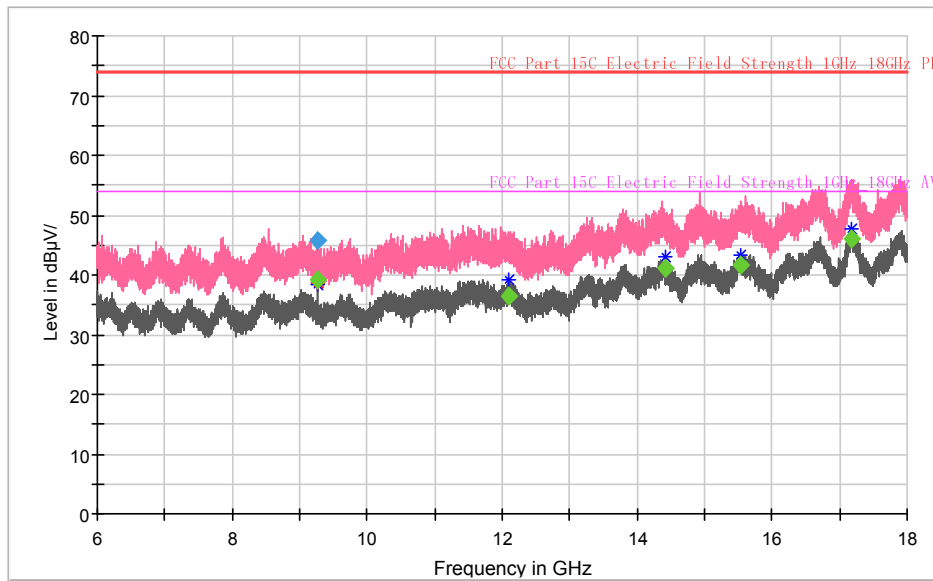
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14406.400	---	54.98	---	40.88	54.00	13.12	-14.10	Vertical
14946.000	---	55.29	---	41.39	54.00	12.61	-13.90	Vertical
15531.200	---	55.78	---	41.58	54.00	12.42	-14.20	Vertical
16678.400	---	57.45	---	44.05	54.00	9.95	-13.40	Vertical
17169.200	---	58.45	---	46.05	54.00	7.95	-12.40	Vertical
17911.200	---	56.32	---	45.82	54.00	8.18	-10.50	Vertical

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

Full Spectrum



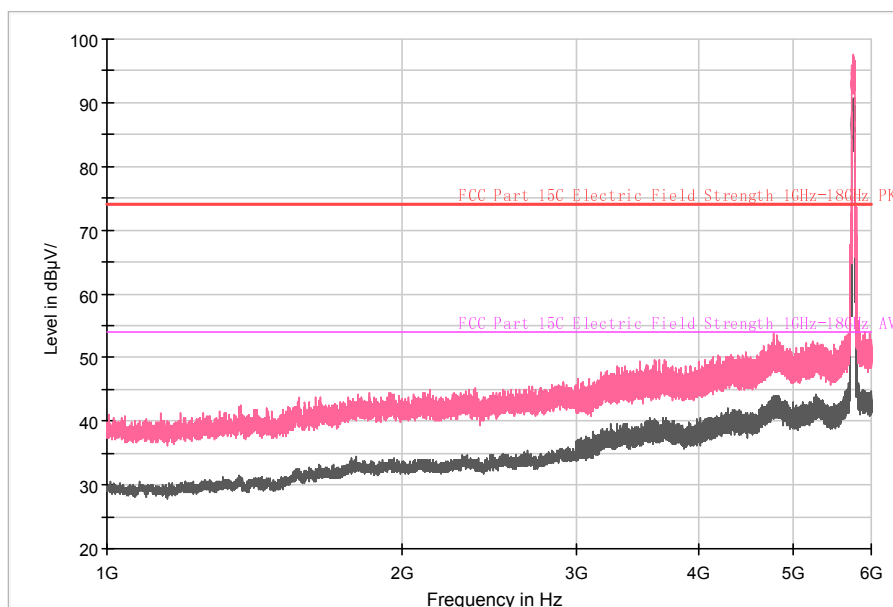
Full Spectrum



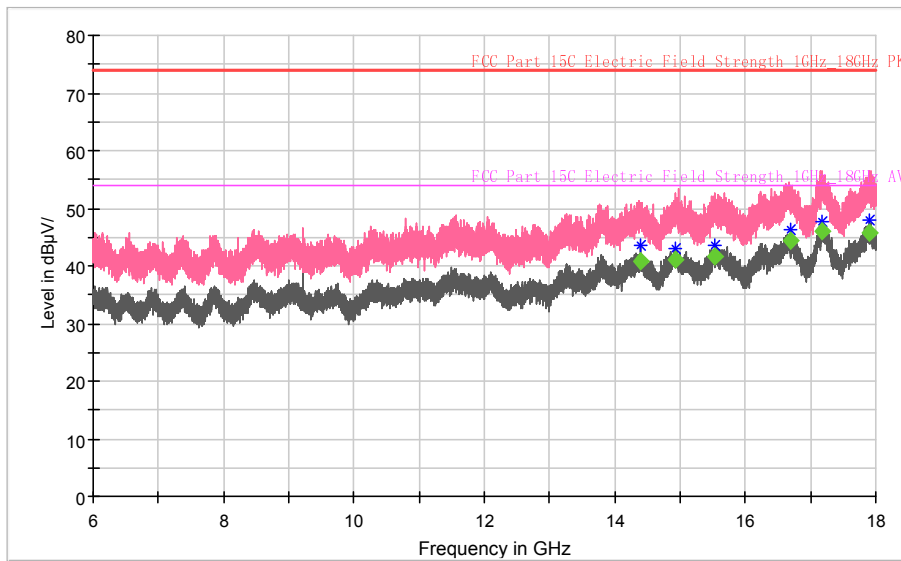
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
9255.600	---	59.19	---	39.09	54.00	14.91	-20.10	Vertical
9275.200	65.74	---	45.64	---	74.00	28.36	-20.10	Vertical
12099.600	---	53.62	---	36.42	54.00	17.58	-17.20	Vertical
14407.600	---	55.12	---	41.02	54.00	12.98	-14.10	Vertical
15542.400	---	55.89	---	41.69	54.00	12.31	-14.20	Vertical
17170.000	---	58.37	---	46.07	54.00	7.93	-12.30	Vertical

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

Full Spectrum



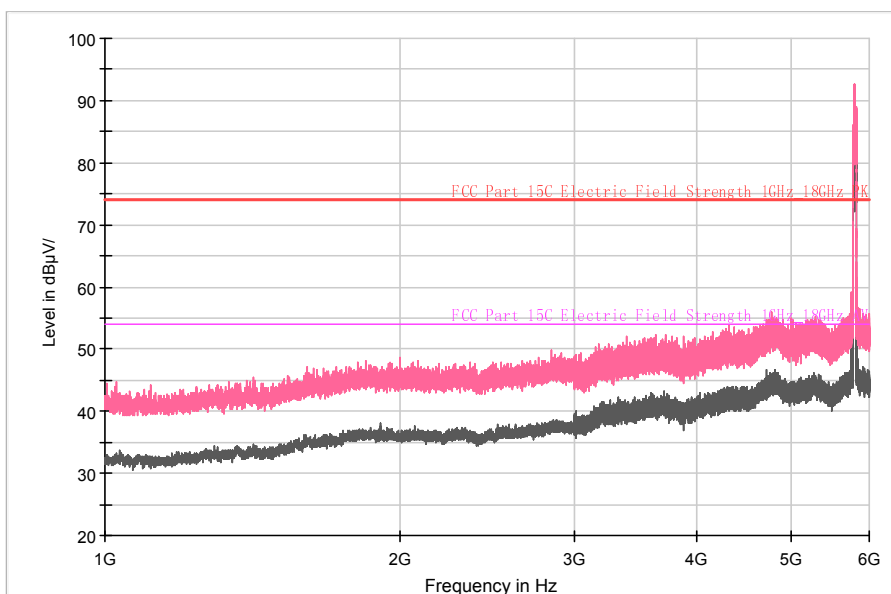
Full Spectrum



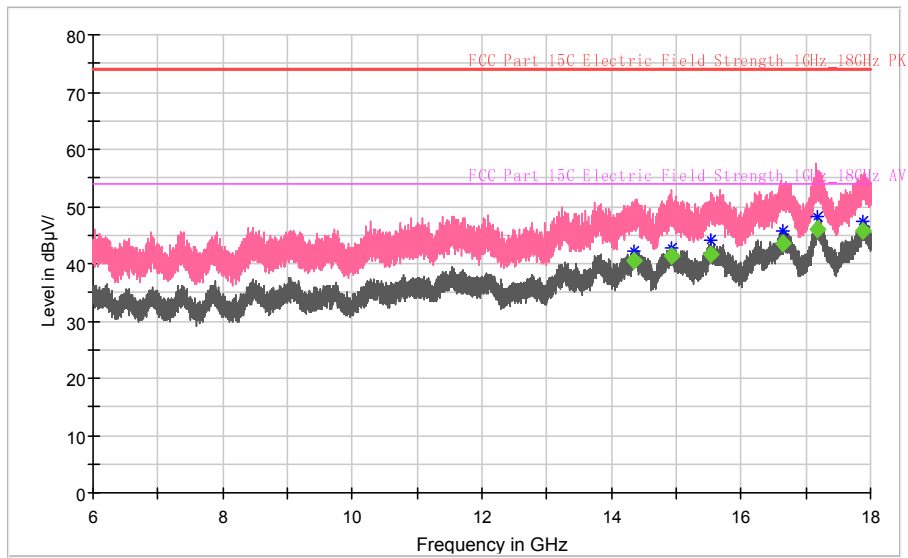
Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14393.200	---	55.03	---	40.93	54.00	13.07	-14.10	Vertical
14932.400	---	55.10	---	41.20	54.00	12.80	-13.90	Vertical
15536.000	---	55.91	---	41.71	54.00	12.29	-14.20	Vertical
16689.600	---	57.64	---	44.34	54.00	9.66	-13.30	Vertical
17170.400	---	58.34	---	46.04	54.00	7.96	-12.30	Vertical
17910.000	---	56.21	---	45.71	54.00	8.29	-10.50	Vertical

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

Full Spectrum

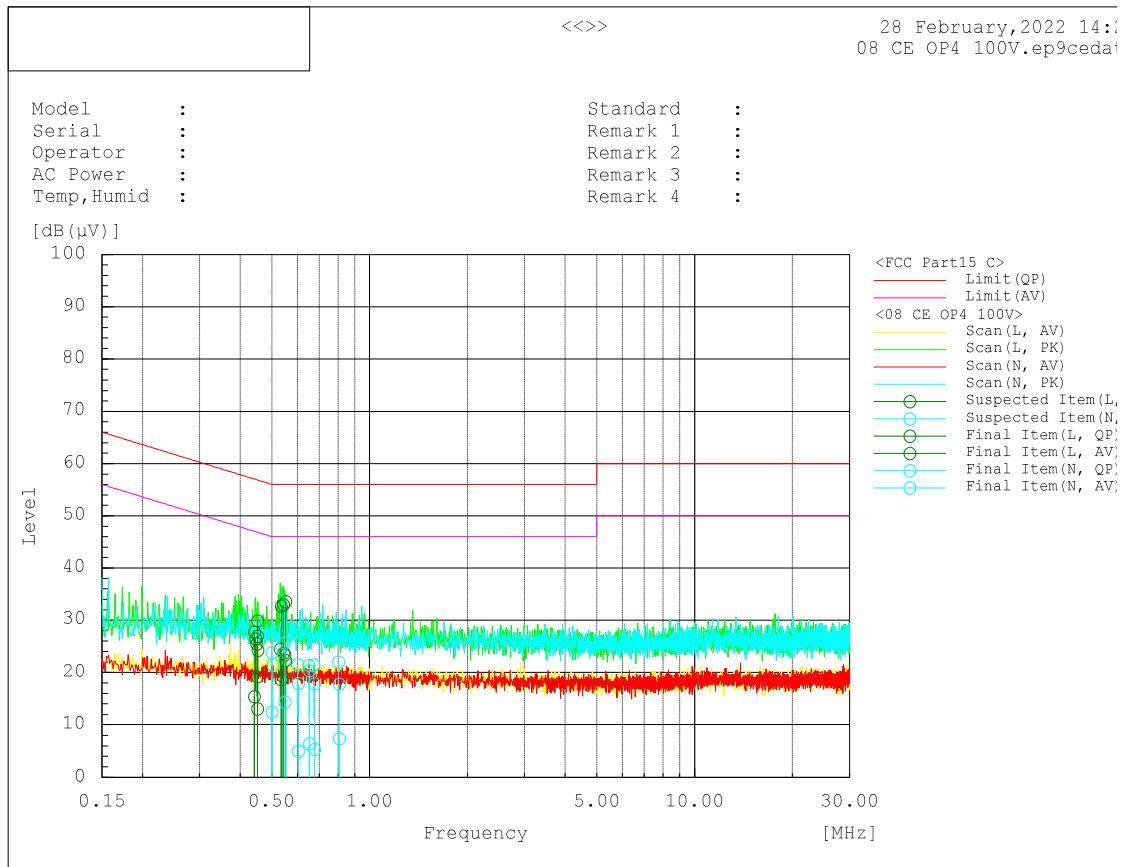


Full Spectrum



Frequency (MHz)	Reading MaxPeak (dBuV)	Reading Average (dBuV)	MaxPeak (dBuV/m)	Average (dBuV/m)	Limit (dBuV/m)	Margin (dB)	A _{Rpl} (dB)	Polarity
14342.800	---	54.71	---	40.51	54.00	13.49	-14.20	Vertical
14936.000	---	55.23	---	41.33	54.00	12.67	-13.90	Vertical
15532.800	---	55.81	---	41.61	54.00	12.39	-14.20	Vertical
16644.000	---	57.15	---	43.55	54.00	10.45	-13.60	Vertical
17187.600	---	58.36	---	46.06	54.00	7.94	-12.30	Vertical
17884.800	---	56.49	---	45.79	54.00	8.21	-10.70	Vertical

AC Power line Conducted Emission 100V

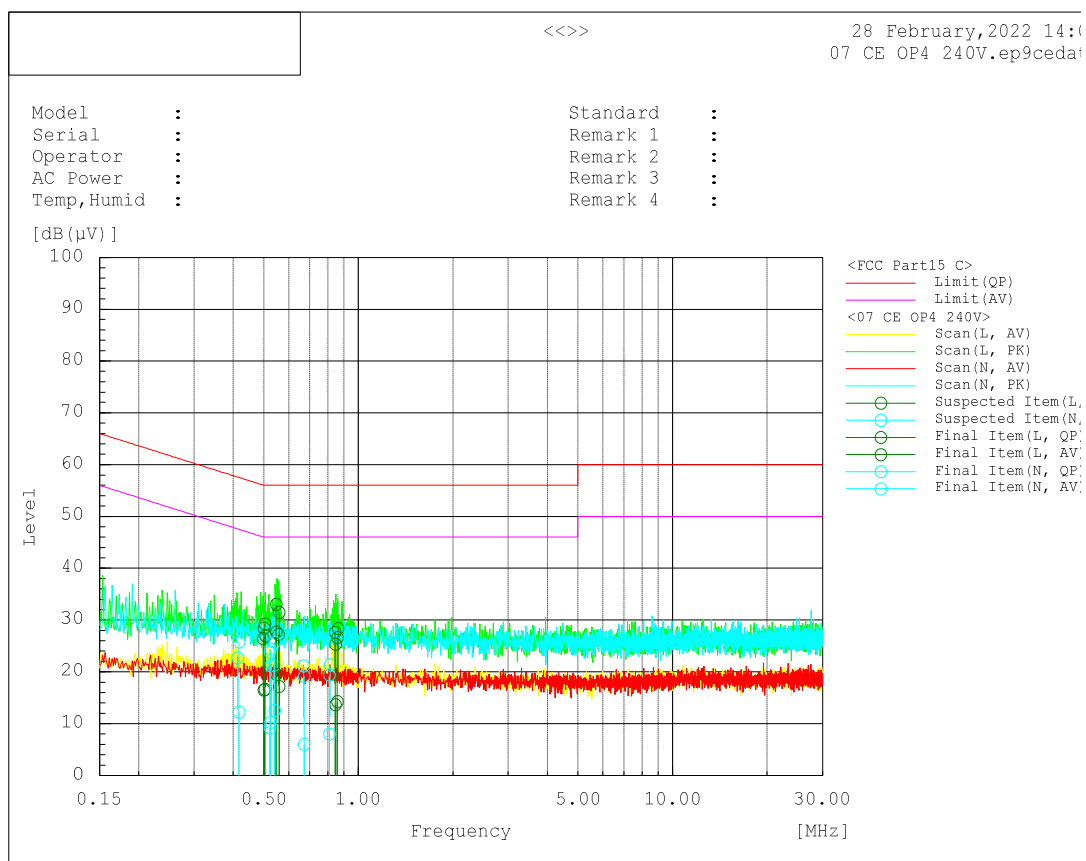


L+N Line

MEASUREMENT RESULT:

Range	Frequency MHz	Line	Reading			Factor dB	Level			Limit dB(µV)	Limit			Margin			Pass/Fail
			dB(µV)				dB(µV)				dB(µV)			dB			
			QP	AV	PK		QP	AV	PK		QP	AV	PK	QP	AV	PK	
Band1	0.5	N	3.9	-7.5		19.9	23.8	12.4		56	46		32.2	33.6		Pass	
Band1	0.549	N	5.8	-5.5		19.9	25.7	14.4		56	46		30.3	31.6		Pass	
Band1	0.604	N	-2	-15		19.9	17.9	5		56	46		38.1	41		Pass	
Band1	0.653	N	0.5	-14		19.9	20.4	6.4		56	46		35.6	39.6		Pass	
Band1	0.677	N	-1.9	-15		19.8	17.9	5.3		56	46		38.1	40.7		Pass	
Band1	0.806	N	-2	-13		19.8	17.8	7.3		56	46		38.2	38.7		Pass	
Band1	0.442	L	7.9	-4.4		19.9	27.8	15.5		57	47		29.2	31.5		Pass	
Band1	0.451	L	10	-0.7		19.9	29.9	19.2		56.9	46.9		27	27.7		Pass	
Band1	0.451	L	7	-6.8		19.9	26.9	13.1		56.8	46.8		29.9	33.7		Pass	
Band1	0.534	L	12.8	-1.3		19.9	32.7	18.6		56	46		23.3	27.4		Pass	
Band1	0.542	L	13.1	-0.7		19.9	33	19.2		56	46		23	26.8		Pass	
Band1	0.552	L	13.7	2.4		19.9	33.6	22.3		56	46		22.4	23.7		Pass	

240V



L+N Line

MEASUREMENT RESULT:

Range	Frequency MHz	Line	Reading			Factor	Level			Limit	Limit			Margin			Pass/Fail	
			dB(μV)				dB	dB(μV)			dB(μV)			dB				
			QP	AV	PK			QP	AV		PK	QP	AV	PK	QP	AV		PK
Band1	0.5	L	8.6	-3.4		19.9	28.5	16.5		56	46		27.5	29.5		Pass		
Band1	0.505	L	9.4	-3.3		19.9	29.3	16.6		56	46		26.7	29.4		Pass		
Band1	0.547	L	13.1	-0.3		19.9	33	19.6		56	46		23	26.4		Pass		
Band1	0.56	L	11.6	-2.7		19.9	31.5	17.2		56	46		24.5	28.8		Pass		
Band1	0.846	L	5.6	-6.2		19.8	25.4	13.6		56	46		30.6	32.4		Pass		
Band1	0.858	L	6.9	-5.5		19.8	26.7	14.3		56	46		29.3	31.7		Pass		
Band1	0.417	N	5.8	-7.7		20	25.8	12.3		57.5	47.5		31.7	35.2		Pass		
Band1	0.523	N	4	-11		19.9	23.9	9.2		56	46		32.1	36.8		Pass		
Band1	0.526	N	4.5	-9.6		19.9	24.4	10.3		56	46		31.6	35.7		Pass		
Band1	0.541	N	5.9	-7.3		19.9	25.8	12.6		56	46		30.2	33.4		Pass		
Band1	0.671	N	-0.6	-14		19.8	19.2	6.1		56	46		36.8	39.9		Pass		
Band1	0.809	N	-0.4	-12		19.8	19.4	8		56	46		36.6	38		Pass		

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