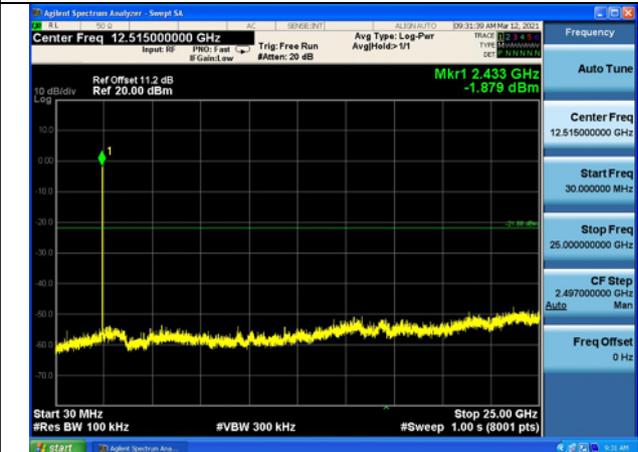
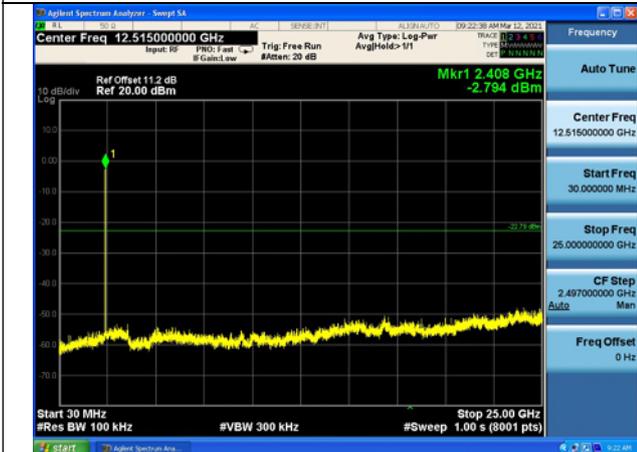


Test Mode:802.11ax HE20(242)

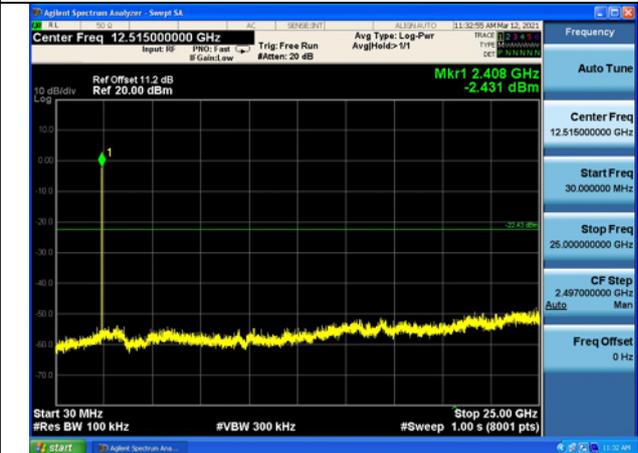
Test Mode:802.11ax HE20 Ant7 CH1

Test Mode:802.11ax HE20 Ant7 CH6



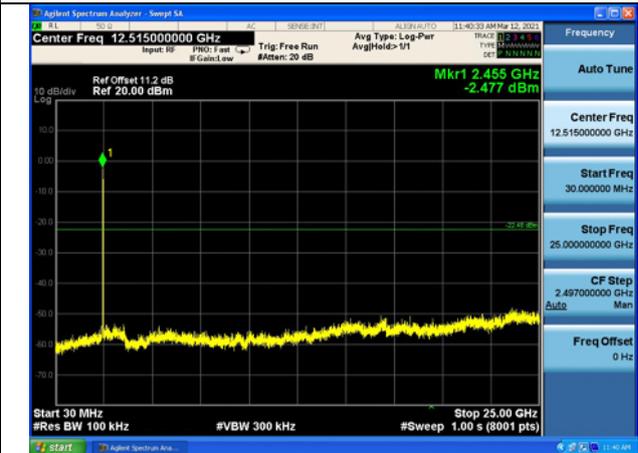
Test Mode:802.11ax HE20 Ant7 CH11

Test Mode:802.11ax HE20 Ant8 CH1



Test Mode:802.11ax HE20 Ant8 CH6

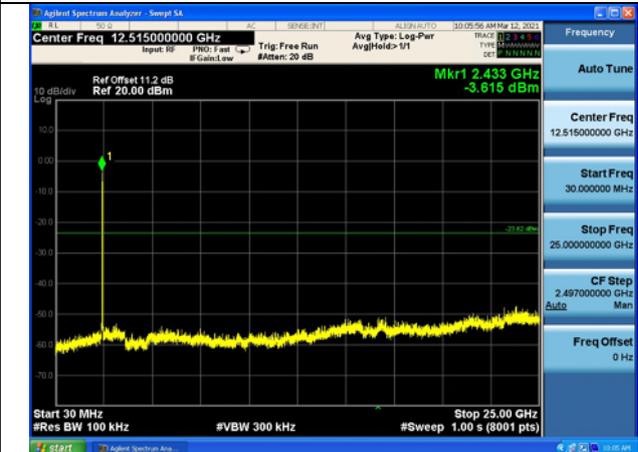
Test Mode:802.11ax HE20 Ant8 CH11



Test Mode:802.11ax HE40(484)

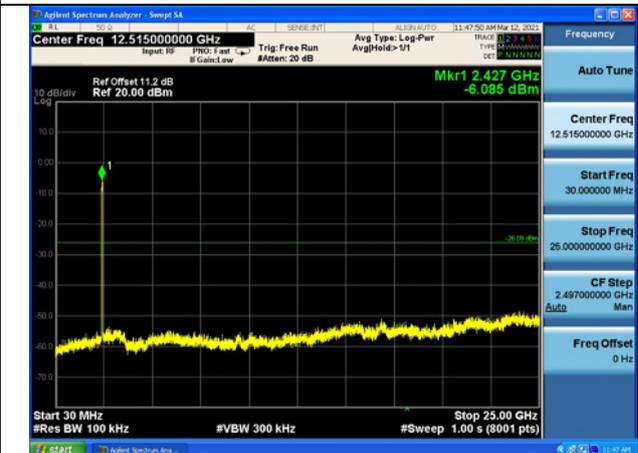
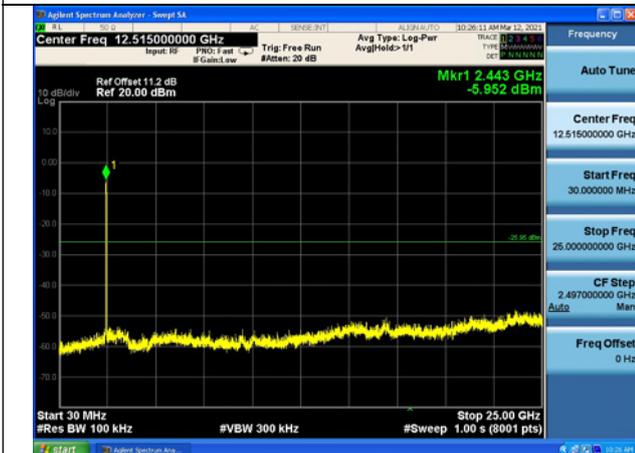
Test Mode:802.11ax HE40 Ant7 CH3

Test Mode:802.11ax HE40 Ant7 CH6



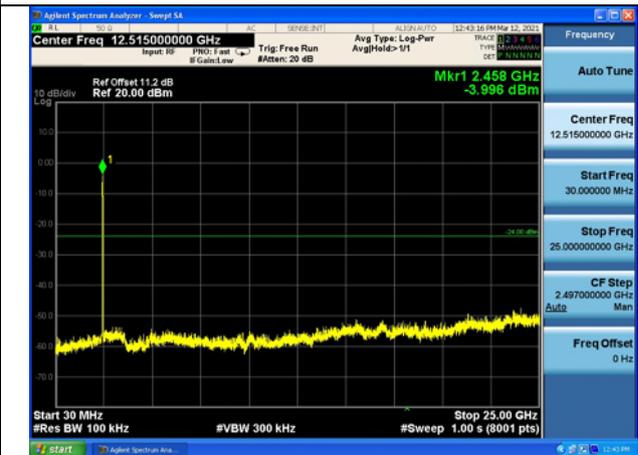
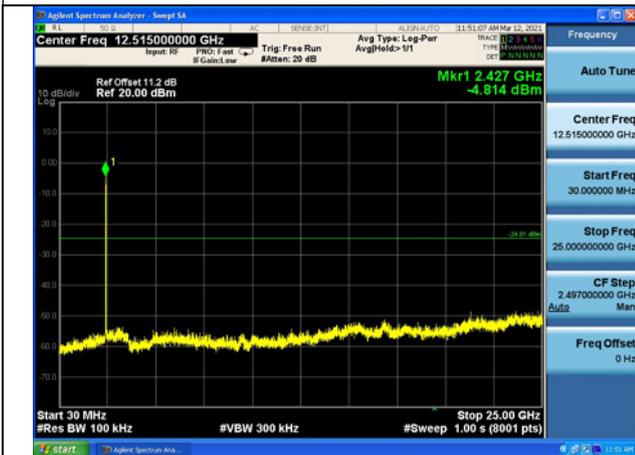
Test Mode:802.11ax HE40 Ant7 CH9

Test Mode:802.11ax HE40 Ant8 CH3



Test Mode:802.11ax HE40 Ant8 CH6

Test Mode:802.11ax HE40 Ant8 CH9



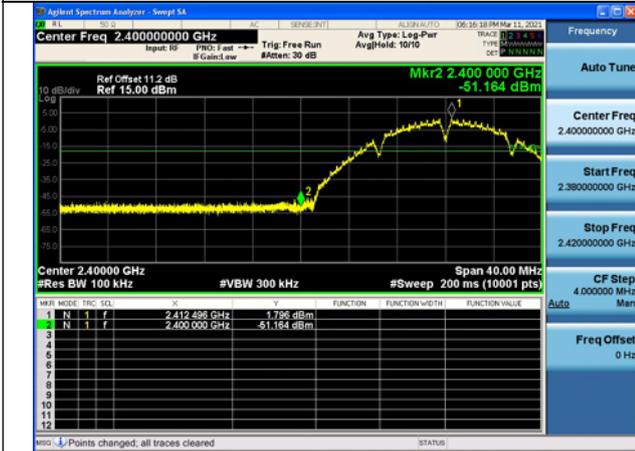
**Band edge measurement (RF Conducted measurement)**

Offset 11.2dB = Attenuator 10dB+ Temporary antenna connector loss 0.2dB+ Cable loss 1.0dB

Test Mode:802.11b

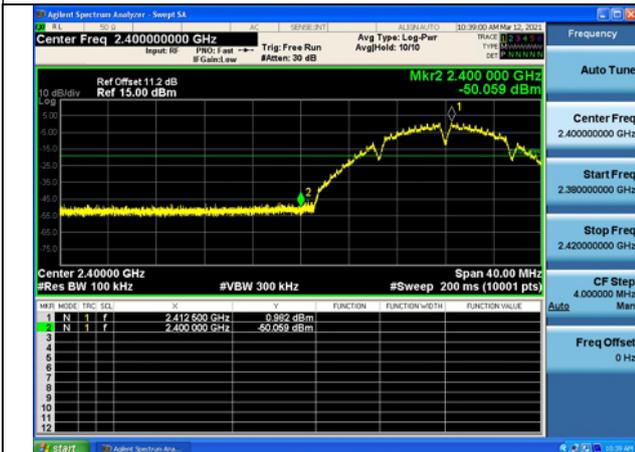
Test Mode:802.11b Ant7 CH1

Test Mode:802.11b Ant7 CH11



Test Mode:802.11b Ant8 CH1

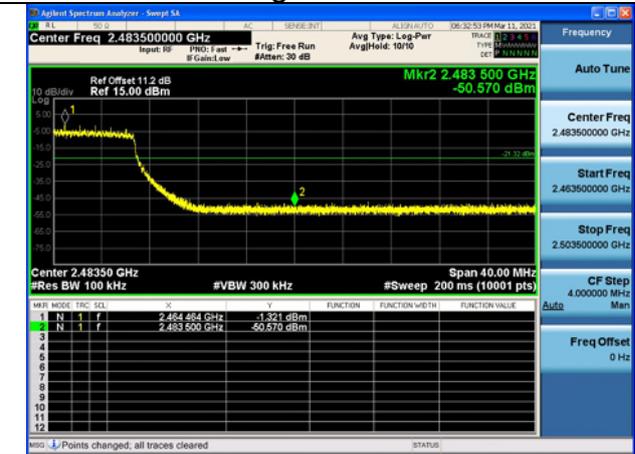
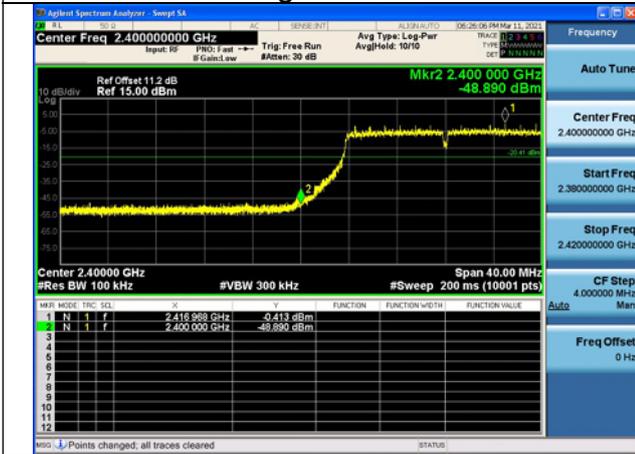
Test Mode:802.11b Ant8 CH11



Test Mode:802.11g

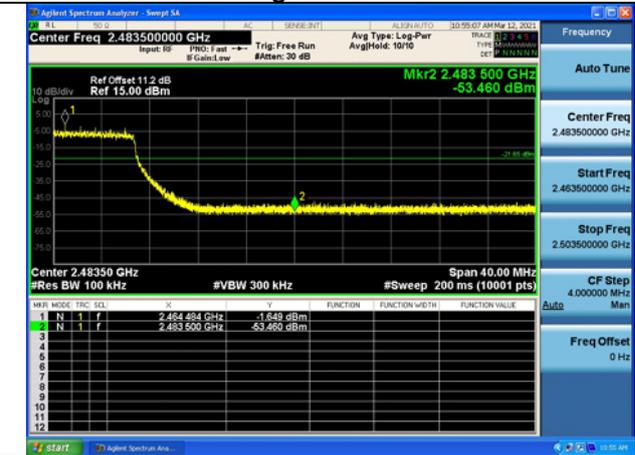
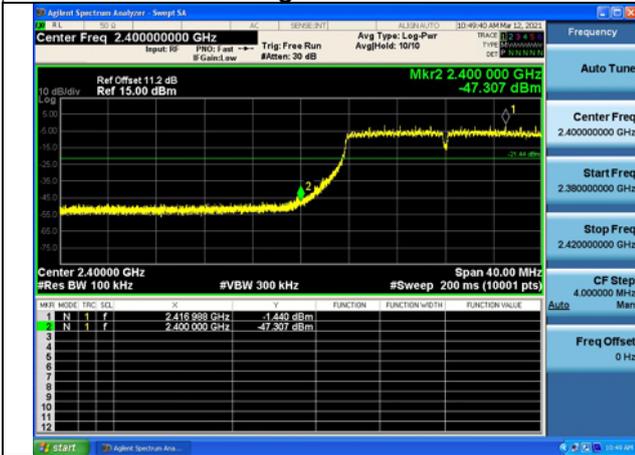
Test Mode:802.11g Ant7 CH1

Test Mode:802.11g Ant7 CH1



Test Mode:802.11g Ant8 CH1

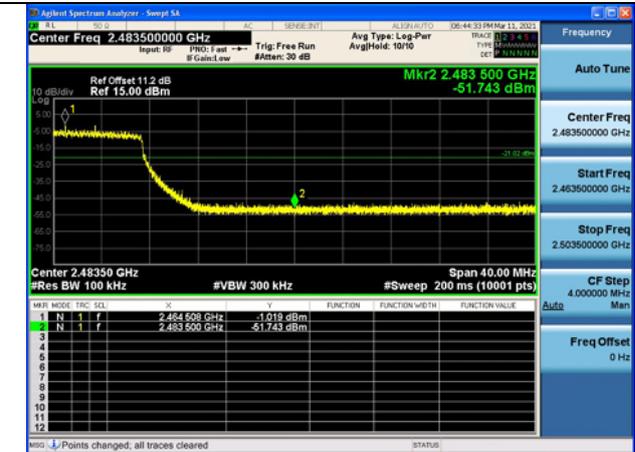
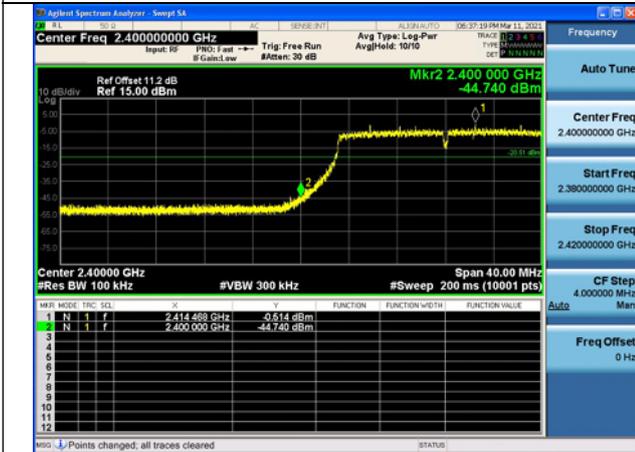
Test Mode:802.11g Ant8 CH1



Test Mode:802. 11n HT20

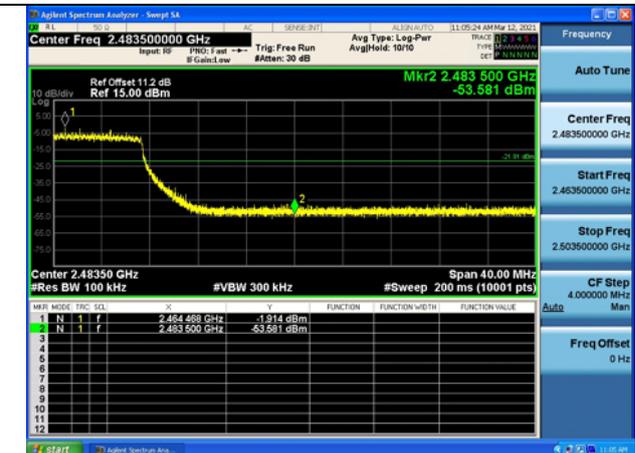
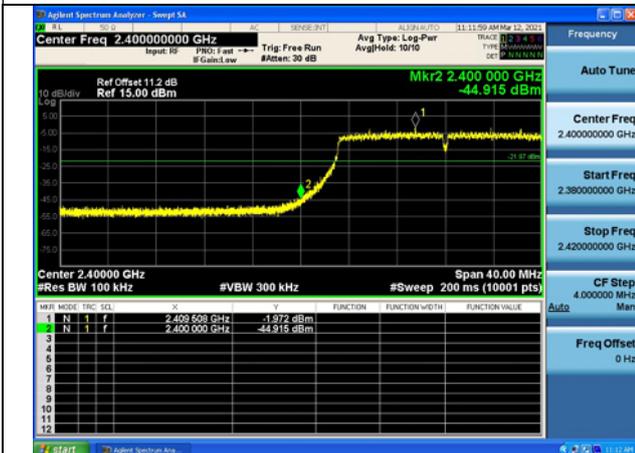
Test Mode:802. 11n HT20 Ant7 CH1

Test Mode:802. 11n HT20 Ant7 CH11



Test Mode:802. 11n HT20 Ant8 CH1

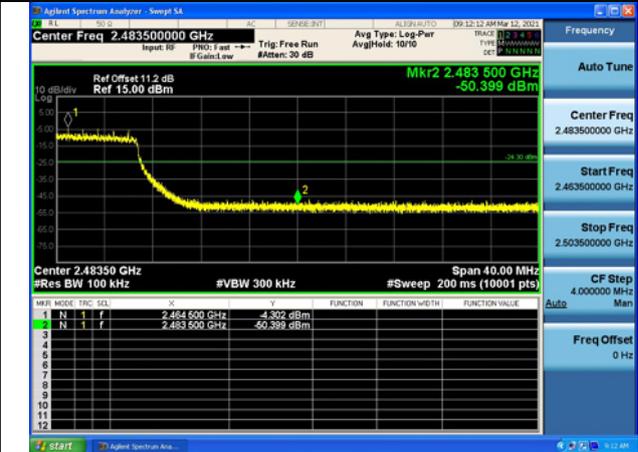
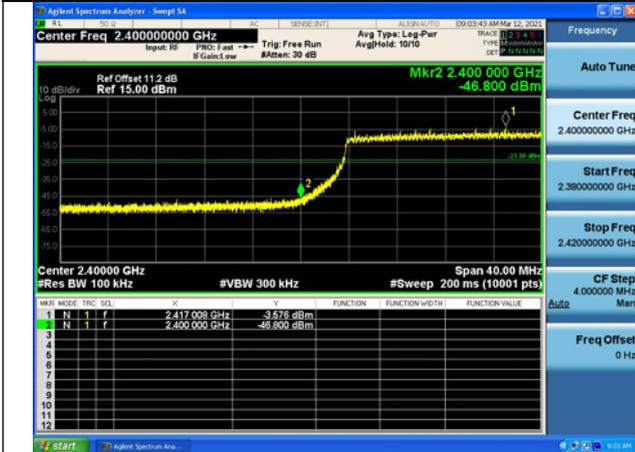
Test Mode:802. 11n HT20 Ant8 CH11



Test Mode:802. 11n HT40

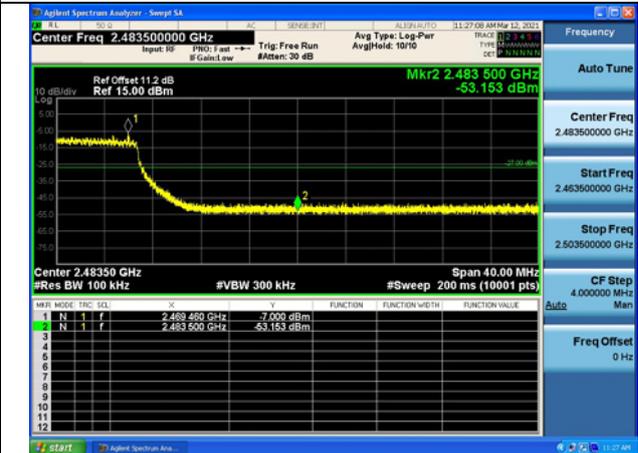
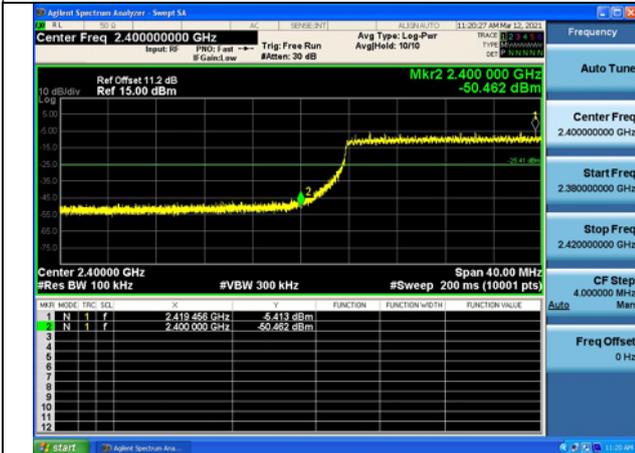
Test Mode:802. 11n HT40 Ant7 CH3

Test Mode:802. 11n HT40 Ant7 CH9



Test Mode:802. 11n HT40 Ant8 CH3

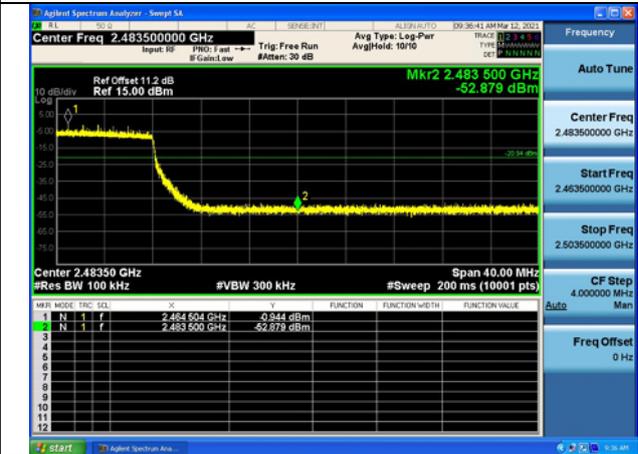
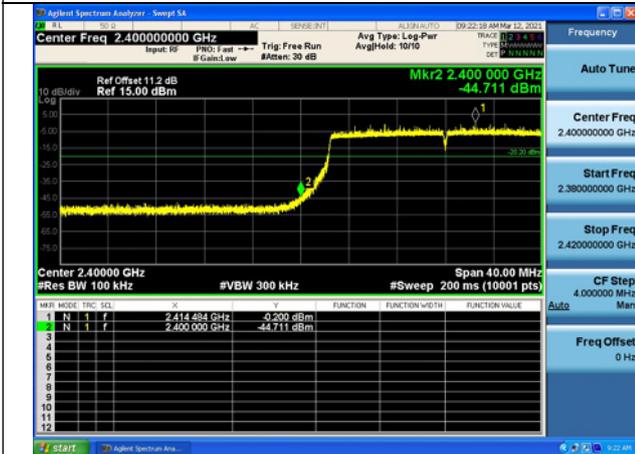
Test Mode:802. 11n HT40 Ant8 CH9



Test Mode:802.11ax HE20(242)

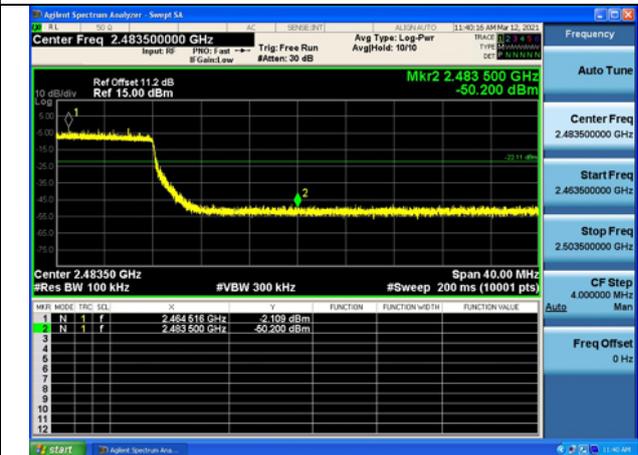
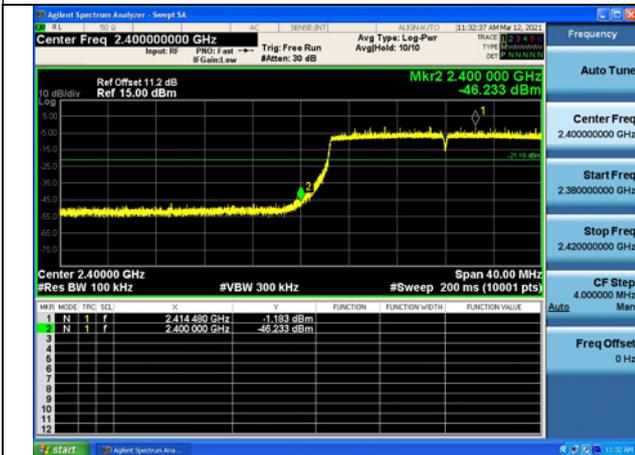
Test Mode:802.11ax HE20 Ant7 CH1

Test Mode:802.11ax HE20 Ant7 CH11



Test Mode:802.11ax HE20 Ant8 CH1

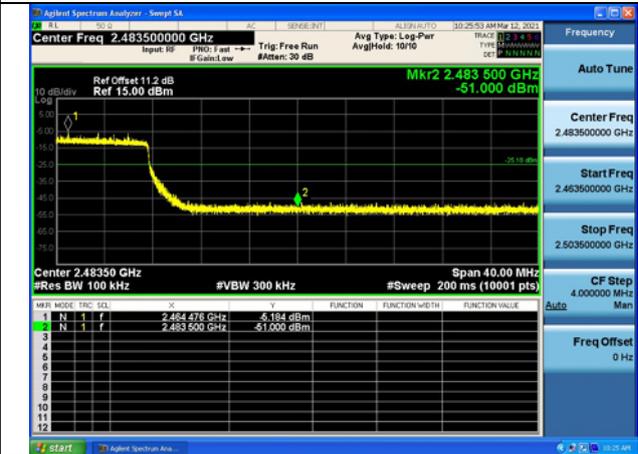
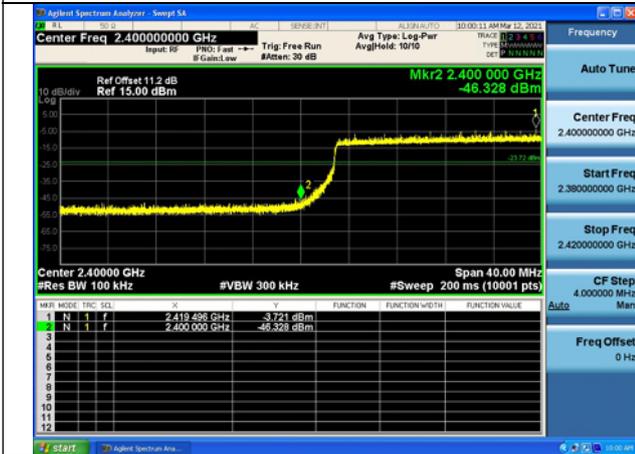
Test Mode:802.11ax HE20 Ant8 CH11



Test Mode:802.11ax HE40(484)

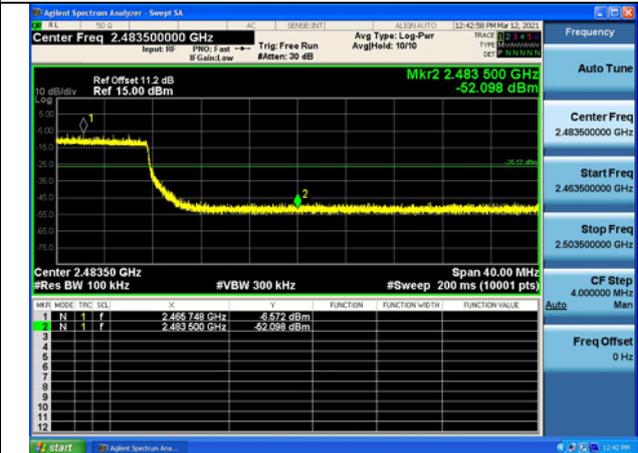
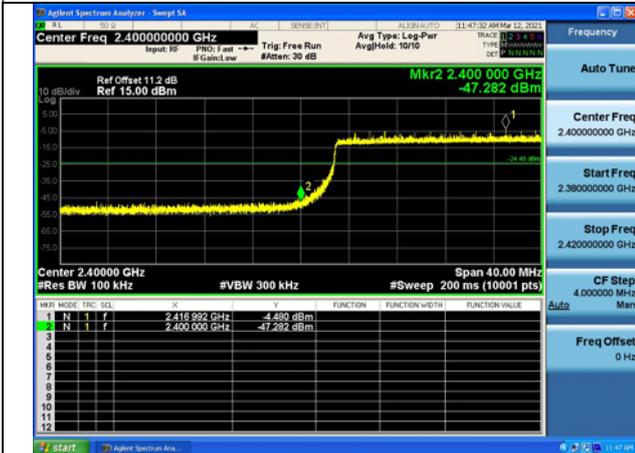
Test Mode:802.11ax HE40 Ant7 CH3

Test Mode:802.11ax HE40 Ant7 CH9



Test Mode:802.11ax HE40 Ant8 CH3

Test Mode:802.11ax HE40 Ant8 CH9



## **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: (86.09 dBuV/m) = (52.09 dBuV) + (8.90 dB) + (25.10 dB), the corresponding frequency is 2412MHz.

The measurement results contain the correction factor of the duty cycle.

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity: Vertical

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	91.59	57.59	N/A	N/A	8.90	25.10
2	2390	46.35	12.35	-27.65	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity: Horizontal

Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	88.75	54.75	N/A	N/A	8.90	25.10
2	2390	44.70	10.70	-29.30	74.00	8.90	25.10

Carrier frequency (MHz): 2412

Channel No.:1

Test Mode: 802.11b

Polarity: Vertical

Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	88.81	54.81	N/A	N/A	8.90	25.10
2	2390	35.94	1.94	-18.06	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11b  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	86.34	52.34	N/A	N/A	8.90	25.10
2	2390	34.20	0.20	-19.80	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	92.48	58.48	N/A	N/A	8.90	25.10
2	2483.5	46.66	12.66	-27.34	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	90.31	56.31	N/A	N/A	8.90	25.10
2	2483.5	44.10	10.10	-29.90	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	91.27	57.27	N/A	N/A	8.90	25.10
2	2483.5	36.28	2.28	-17.72	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11b  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	88.59	54.59	N/A	N/A	8.90	25.10
2	2483.5	35.14	1.14	-18.86	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	91.08	57.08	N/A	N/A	8.90	25.10
2	2390	46.10	12.10	-27.90	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	88.79	54.79	N/A	N/A	8.90	25.10
2	2390	44.40	10.40	-29.60	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	88.52	54.52	N/A	N/A	8.90	25.10
2	2390	35.62	1.62	-18.38	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11g  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	86.29	52.29	N/A	N/A	8.90	25.10
2	2390	33.23	-0.77	-20.77	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	93.13	59.13	N/A	N/A	8.90	25.10
2	2483.5	45.23	11.23	-28.77	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	90.29	56.29	N/A	N/A	8.90	25.10
2	2483.5	43.01	9.01	-30.99	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	90.41	56.41	N/A	N/A	8.90	25.10
2	2483.5	36.39	2.39	-17.61	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11g  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	87.91	53.91	N/A	N/A	8.90	25.10
2	2483.5	35.48	1.48	-18.52	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	91.85	57.85	N/A	N/A	8.90	25.10
2	2390	46.83	12.83	-27.17	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	89.23	55.23	N/A	N/A	8.90	25.10
2	2390	44.66	10.66	-29.34	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	88.42	54.42	N/A	N/A	8.90	25.10
2	2390	36.20	2.20	-17.80	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	85.52	51.52	N/A	N/A	8.90	25.10
2	2390	35.21	1.21	-18.79	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	92.84	58.84	N/A	N/A	8.90	25.10
2	2483.5	45.12	11.12	-28.88	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	90.44	56.44	N/A	N/A	8.90	25.10
2	2483.5	43.51	9.51	-30.49	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	89.92	55.92	N/A	N/A	8.90	25.10
2	2483.5	36.51	2.51	-17.49	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11n(HT20 MIMO)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	87.64	53.64	N/A	N/A	8.90	25.10
2	2483.5	34.03	0.03	-19.97	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11ax(HE20)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	92.86	58.86	N/A	N/A	8.90	25.10
2	2390	46.03	12.03	-27.97	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11ax(HE20)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	90.67	56.67	N/A	N/A	8.90	25.10
2	2390	43.39	9.39	-30.61	74.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11ax(HE20)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	88.36	54.36	N/A	N/A	8.90	25.10
2	2390	36.12	2.12	-17.88	54.00	8.90	25.10

Carrier frequency (MHz): 2412  
Channel No.:1  
Test Mode: 802.11ax(HE20)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2412	85.75	51.75	N/A	N/A	8.90	25.10
2	2390	34.23	0.23	-19.77	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11ax(HE20)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	93.32	59.32	N/A	N/A	8.90	25.10
2	2483.5	45.55	11.55	-28.45	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11ax(HE20)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	90.48	56.48	N/A	N/A	8.90	25.10
2	2483.5	43.31	9.31	-30.69	74.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11ax(HE20)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	90.19	56.19	N/A	N/A	8.90	25.10
2	2483.5	36.00	2.00	-18.00	54.00	8.90	25.10

Carrier frequency (MHz): 2462  
Channel No.:11  
Test Mode: 802.11ax(HE20)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB/m)
1	2462	87.59	53.59	N/A	N/A	8.90	25.10
2	2483.5	35.44	1.44	-18.56	54.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11n(HT40)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	97.87	63.87	N/A	N/A	8.90	25.10
2	2390	45.39	11.39	-28.61	74.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11n(HT40)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	95.82	61.82	N/A	N/A	8.90	25.10
2	2390	43.87	9.87	-30.13	74.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11n(HT40)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	93.86	59.86	N/A	N/A	8.90	25.10
2	2390	35.93	1.93	-18.07	54.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11n(HT40)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	91.75	57.75	N/A	N/A	8.90	25.10
2	2390	33.53	-0.47	-20.47	54.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11n(HT40)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	95.79	61.79	N/A	N/A	8.90	25.10
2	2483.5	46.53	12.53	-27.47	74.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11n(HT40)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	93.13	59.13	N/A	N/A	8.90	25.10
2	2483.5	45.19	11.19	-28.81	74.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11n(HT40)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	92.09	58.09	N/A	N/A	8.90	25.10
2	2483.5	36.55	2.55	-17.45	54.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11n(HT40)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	89.11	55.11	N/A	N/A	8.90	25.10
2	2483.5	34.26	0.26	-19.74	54.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11ax(HE40)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	97.07	63.07	N/A	N/A	8.90	25.10
2	2390	45.67	11.67	-28.33	74.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11ax(HE40)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	94.45	60.45	N/A	N/A	8.90	25.10
2	2390	42.80	8.80	-31.20	74.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11ax(HE40)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	93.75	59.75	N/A	N/A	8.90	25.10
2	2390	36.16	2.16	-17.84	54.00	8.90	25.10

Carrier frequency (MHz): 2422  
Channel No.:3  
Test Mode: 802.11ax(HE40)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2422	90.85	56.85	N/A	N/A	8.90	25.10
2	2390	35.02	1.02	-18.98	54.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11ax(HE40)  
Polarity: Vertical  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	94.97	60.97	N/A	N/A	8.90	25.10
2	2483.5	45.97	11.97	-28.03	74.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11ax(HE40)  
Polarity: Horizontal  
Detector: Peak

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	92.00	58.00	N/A	N/A	8.90	25.10
2	2483.5	42.99	8.99	-31.01	74.00	8.90	25.10

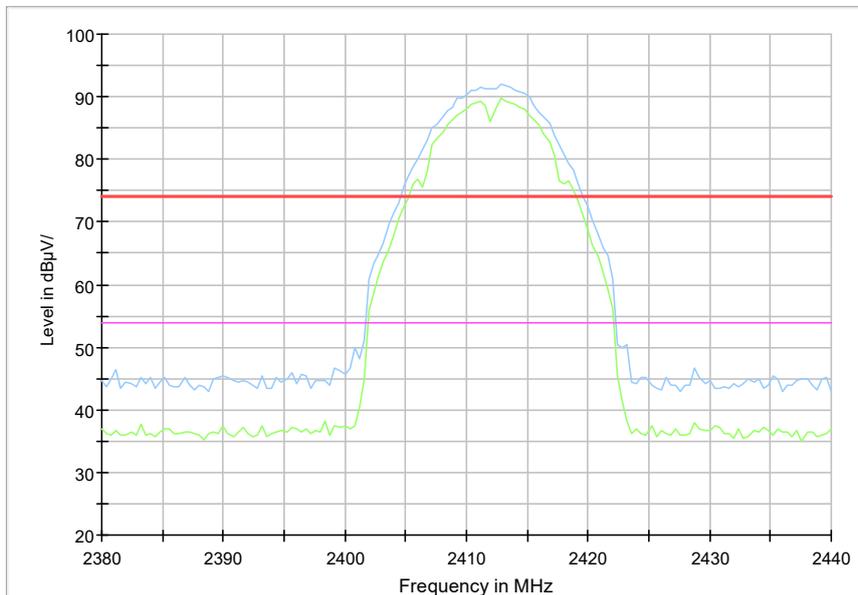
Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11ax(HE40)  
Polarity: Vertical  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	93.68	59.68	N/A	N/A	8.90	25.10
2	2483.5	35.10	1.10	-18.90	54.00	8.90	25.10

Carrier frequency (MHz): 2452  
Channel No.:9  
Test Mode: 802.11ax(HE40)  
Polarity: Horizontal  
Detector: Average

No	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	cable loss (dB)	antenna factor (dB)
1	2452	91.55	57.55	N/A	N/A	8.90	25.10
2	2483.5	33.72	-0.28	-20.28	54.00	8.90	25.10

Full Spectrum



Radiated Emission Band Edge for 2412MHz

## 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:

$$\text{Result} = P_{\text{mea}} + A_{Rpl}$$

Sample calculation: (15.26 dB $\mu$ V/m) = (35.86 dB $\mu$ V) + (-20.6 dB/m), the corresponding frequency is 43.677MHz.

For 802.11b Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.880000	21.40	-18.5	39.90	Vertical	40.00
57.314500	21.10	-18.5	39.60	Vertical	40.00
154.411500	25.96	-22.1	48.06	Vertical	43.50
176.205000	23.66	-21.1	44.76	Vertical	43.50
510.564000	15.45	-10.3	25.75	Vertical	46.00
952.496000	16.76	-2.5	19.26	Vertical	46.00

For 802.11g Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.568500	21.36	-18.6	39.96	Vertical	40.00
58.355000	21.71	-18.6	40.31	Vertical	40.00
153.281500	25.79	-22.2	47.99	Vertical	43.50
176.264500	23.64	-21.1	44.74	Vertical	43.50
506.786000	15.51	-10.4	25.91	Vertical	46.00
955.534500	16.72	-2.5	19.22	Vertical	46.00

For 802.11n(HT20 MIMO) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.933500	21.32	-18.5	39.82	Vertical	40.00
58.187500	21.41	-18.6	40.01	Vertical	40.00
154.605500	25.41	-22.1	47.51	Vertical	43.50
176.236500	23.60	-21.1	44.70	Vertical	43.50
508.441000	15.43	-10.3	25.73	Vertical	46.00
924.111500	16.46	-2.8	19.26	Vertical	46.00

For 802.11ax(HE20 MIMO) Channel No.:1

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.854500	21.23	-18.5	39.73	Vertical	40.00
57.468500	21.07	-18.5	39.57	Vertical	40.00
153.199000	25.73	-22.2	47.93	Vertical	43.50
176.558000	23.65	-21.1	44.75	Vertical	43.50
514.883000	15.95	-10.2	26.15	Vertical	46.00
893.023000	16.23	-3.3	19.53	Vertical	46.00

For 802.11b Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.460500	21.25	-18.7	39.95	Vertical	40.00
58.042000	21.19	-18.6	39.79	Vertical	40.00
153.524000	25.83	-22.2	48.03	Vertical	43.50
176.492500	23.68	-21.1	44.78	Vertical	43.50
512.027500	15.48	-10.2	25.68	Vertical	46.00
911.448000	16.30	-3.0	19.30	Vertical	46.00

For 802.11g Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.460500	21.27	-18.7	39.97	Vertical	40.00
58.090500	21.25	-18.6	39.85	Vertical	40.00
153.617500	25.84	-22.2	48.04	Vertical	43.50
176.515500	23.73	-21.1	44.83	Vertical	43.50
321.251500	16.35	-15.4	31.75	Vertical	46.00
952.749500	16.60	-2.5	19.10	Vertical	46.00

For 802.11n(HT20 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.868000	21.29	-18.5	39.79	Vertical	40.00
58.244500	21.34	-18.6	39.94	Vertical	40.00
154.993500	25.98	-22.1	48.08	Vertical	43.50
176.741000	23.22	-21.1	44.32	Vertical	43.50
514.828500	15.65	-10.2	25.85	Vertical	46.00
924.785500	16.17	-2.8	18.97	Vertical	46.00

For 802.11ax(HE20 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.903000	21.26	-18.5	39.76	Vertical	40.00
58.301500	21.29	-18.6	39.89	Vertical	40.00
153.606500	25.85	-22.2	48.05	Vertical	43.50
176.735000	23.69	-21.1	44.79	Vertical	43.50
525.176000	14.25	-10.0	24.25	Vertical	46.00
929.912000	16.39	-2.8	19.19	Vertical	46.00

For 802.11b Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.905500	21.24	-18.5	39.74	Vertical	40.00
57.517000	21.20	-18.5	39.70	Vertical	40.00
153.809000	25.94	-22.2	48.14	Vertical	43.50
176.747000	23.67	-21.1	44.77	Vertical	43.50
505.503000	15.19	-10.4	25.59	Vertical	46.00
901.200000	16.26	-3.1	19.36	Vertical	46.00

For 802.11g Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
43.543000	19.48	-18.1	37.58	Vertical	40.00
58.238500	21.26	-18.6	39.86	Vertical	40.00
153.712000	25.98	-22.2	48.18	Vertical	43.50
176.624500	23.72	-21.1	44.82	Vertical	43.50
508.957500	15.32	-10.3	25.62	Vertical	46.00
923.609500	16.37	-2.8	19.17	Vertical	46.00

For 802.11n(HT20 MIMO) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	Pmea (dBuV)	Polarity	Limit (dBuV/m)
39.933500	21.19	-18.5	39.69	Vertical	40.00
58.192500	21.32	-18.6	39.92	Vertical	40.00
153.908500	25.96	-22.2	48.16	Vertical	43.50
176.698500	23.66	-21.1	44.76	Vertical	43.50
514.050000	15.68	-10.2	25.88	Vertical	46.00
921.007500	16.40	-2.9	19.30	Vertical	46.00

For 802.11ax(HE20 MIMO) Channel No.:11

Frequency(MHz)	Result(dBuV/m)	ARpl (dB/m)	P <sub>mea</sub> (dBuV)	Polarity	Limit (dBuV/m)
39.891000	21.26	-18.5	39.76	Vertical	40.00
58.061500	21.39	-18.6	39.99	Vertical	40.00
153.863500	26.01	-22.2	48.21	Vertical	43.50
176.935000	23.50	-21.1	44.60	Vertical	43.50
515.094000	15.72	-10.2	25.92	Vertical	46.00
952.946000	16.50	-2.5	19.00	Vertical	46.00

For 802.11n(HT40 MIMO) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	P <sub>mea</sub> (dBuV/m)	Polarity	Limit (dBuV/m)
39.475000	20.95	-18.7	39.65	Vertical	40.00
58.019000	21.38	-18.6	39.98	Vertical	40.00
154.142500	26.02	-22.2	48.22	Vertical	43.50
177.017500	23.43	-21.1	44.53	Vertical	43.50
517.399000	15.10	-10.1	25.20	Vertical	46.00
926.839500	16.45	-2.8	19.25	Vertical	46.00

For 802.11ax(HE40 MIMO) Channel No.:3

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	P <sub>mea</sub> (dBuV/m)	Polarity	Limit (dBuV/m)
40.273000	20.66	-18.5	39.16	Vertical	40.00
57.884500	21.46	-18.5	39.96	Vertical	40.00
154.094000	26.09	-22.2	48.29	Vertical	43.50
177.120500	23.32	-21.1	44.42	Vertical	43.50
516.055500	15.56	-10.2	25.76	Vertical	46.00
929.098500	16.42	-2.8	19.22	Vertical	46.00

For 802.11n(HT40 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	ARpl (dB)	P <sub>mea</sub> (dBuV/m)	Polarity	Limit (dBuV/m)
39.891000	21.17	-18.5	39.67	Vertical	40.00
57.901500	21.39	-18.6	39.99	Vertical	40.00
155.592500	25.66	-22.1	47.76	Vertical	43.50
177.215000	23.42	-21.1	44.52	Vertical	43.50
512.629000	15.48	-10.2	25.68	Vertical	46.00
908.178000	16.24	-3.0	19.24	Vertical	46.00

For 802.11ax(HE40 MIMO) Channel No.:6

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity	Limit (dBuV/m)
39.933500	20.93	-18.5	39.43	Vertical	40.00
57.993500	21.39	-18.6	39.99	Vertical	40.00
154.180000	26.05	-22.1	48.15	Vertical	43.50
177.166500	23.42	-21.1	44.52	Vertical	43.50
527.738000	13.63	-9.9	23.53	Vertical	46.00
950.056500	16.48	-2.6	19.08	Vertical	46.00

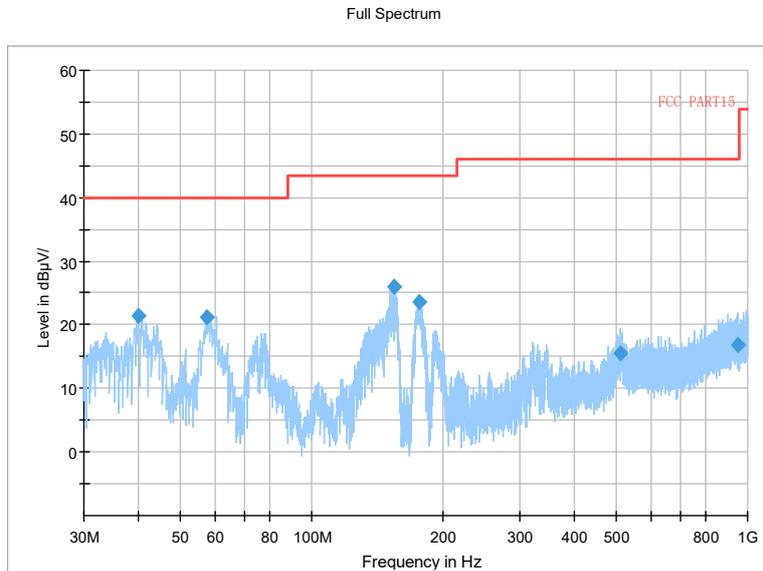
For 802.11n(HT40 MIMO) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity	Limit (dBuV/m)
40.216000	20.64	-18.5	39.14	Vertical	40.00
57.654000	21.32	-18.5	39.82	Vertical	40.00
155.658000	25.54	-22.1	47.64	Vertical	43.50
177.334000	23.24	-21.1	44.34	Vertical	43.50
510.701000	15.46	-10.3	25.76	Horizon	46.00
928.554000	16.37	-2.8	19.17	Vertical	46.00

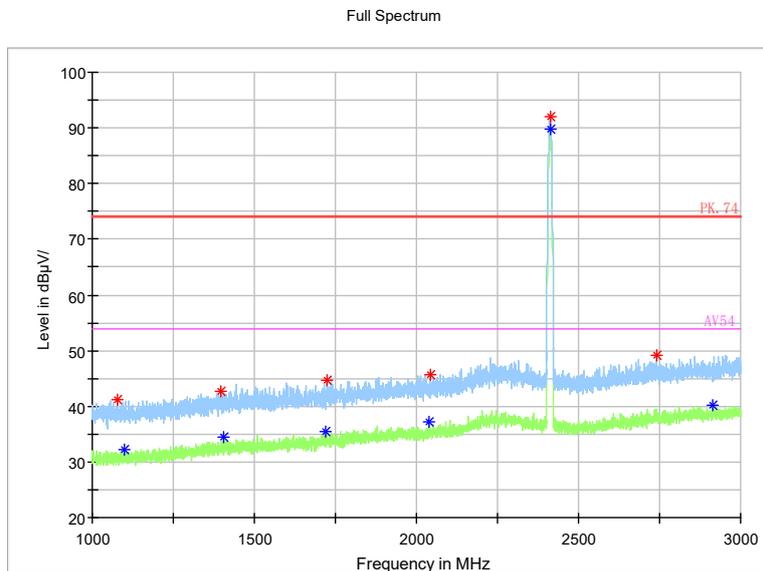
For 802.11ax(HE40 MIMO) Channel No.:9

Frequency(MHz)	Result(dBuV/m)	A <sub>Rpl</sub> (dB)	P <sub>mea</sub> (dBuV/m)	Polarity	Limit (dBuV/m)
39.614500	20.86	-18.6	39.46	Vertical	40.00
57.979000	21.38	-18.6	39.98	Vertical	40.00
154.220000	26.00	-22.1	48.10	Vertical	43.50
177.240500	23.28	-21.1	44.38	Vertical	43.50
512.675000	15.47	-10.2	25.67	Horizon	46.00
945.272000	16.40	-2.6	19.00	Vertical	46.00

Carrier frequency (MHz): 2412  
 Channel No.:1

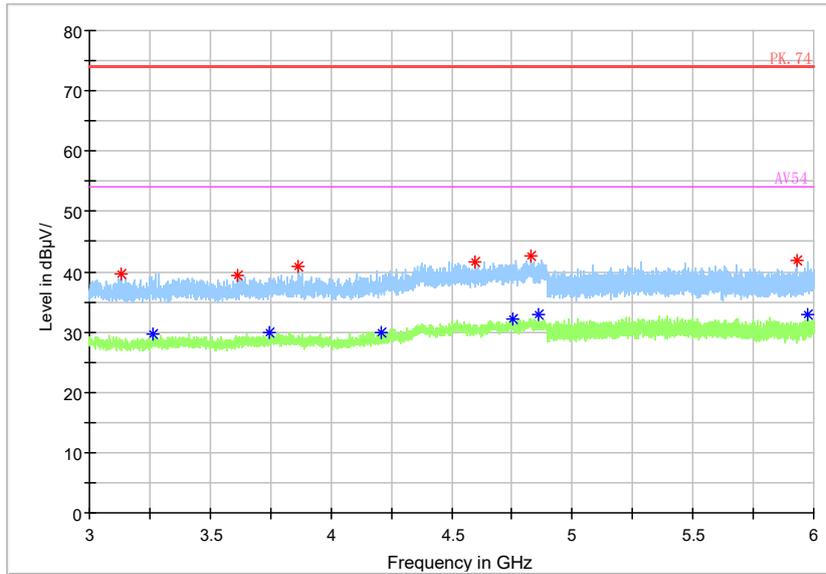


Frequency Range: 30MHz -1GHz  
 Detector: QP mode  
 Test Mode: 802.11b



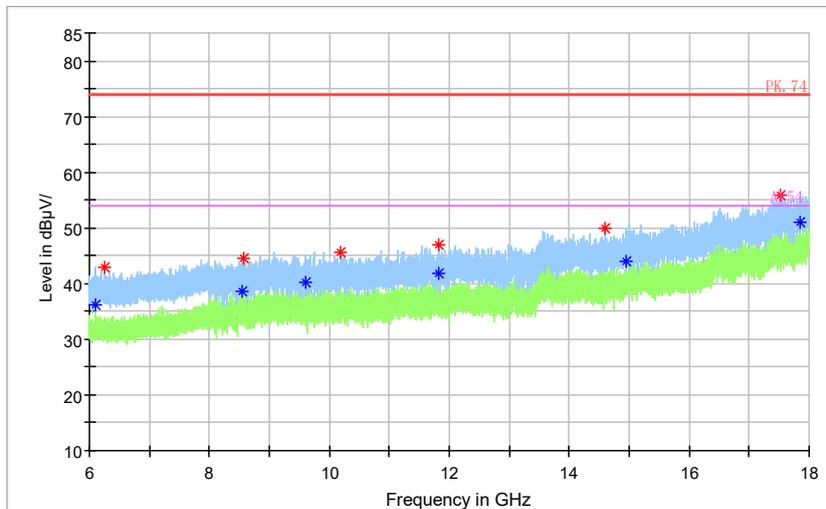
Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



- Preview Result 2-AVG
- Preview Result 1-PK+
- \* Critical\_Freqs AVG
- \* Critical\_Freqs PK+
- PK.74
- AV54
- ◆ Final\_Result PK+
- ◆ Final\_Result AVG

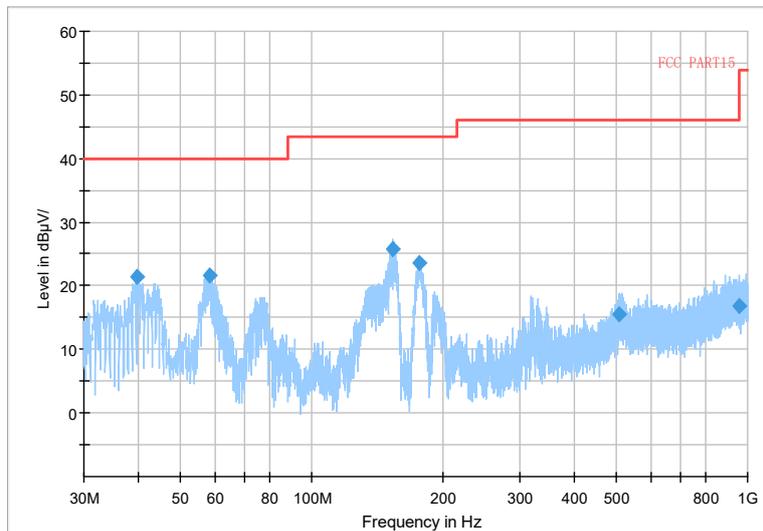
Frequency Range: 6GHz -18GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11b

Full Spectrum



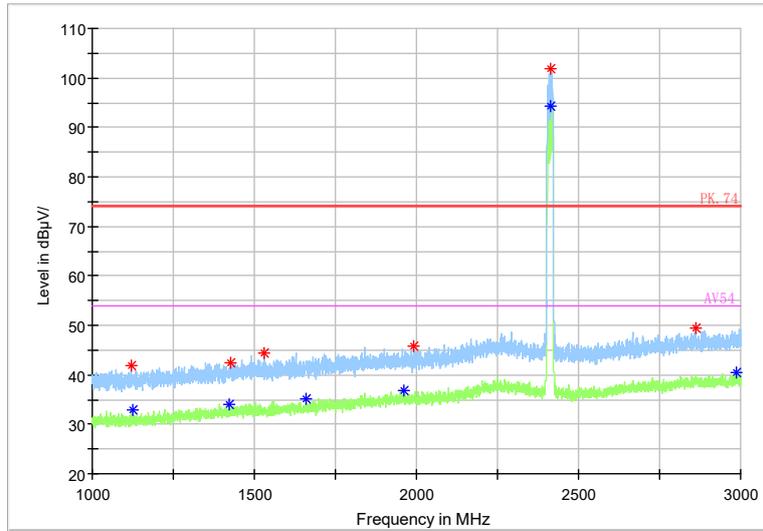
Frequency Range: 18GHz-26GHz  
Detector: Av mode and PK mode  
Modulation type: 802.11b

Full Spectrum



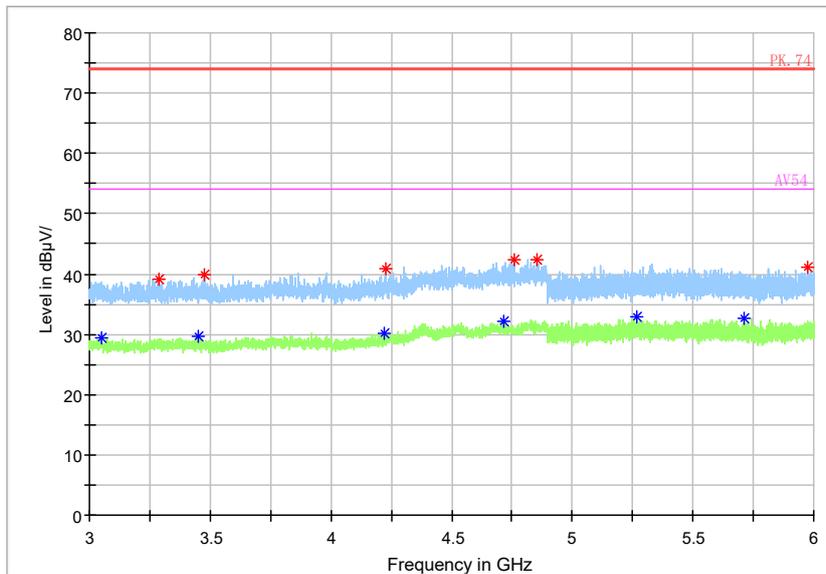
Frequency Range: 30MHz -1GHz  
Detector: QP mode  
Modulation type: 802.11g

Full Spectrum



Frequency Range: 1GHz -3GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g

Full Spectrum



Frequency Range: 3GHz -6GHz  
 Detector: Av mode and PK mode  
 Modulation type: 802.11g