

APPENDIX B – TEST DATA OF RADIATED EMISSION

Note1:Both horizontal and vertical polarizations of the antenna are set to make the measurement.

Note2: Three-axis equipment has been evaluated in test.

Note3: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Note4: According to PSD comparison, the worst case for 11a、11n and 11ax full RU is 11a, so 11a results are reflected in the report.

Note5: According to PSD comparison, the worst case for 11ax partial RU and 11ax full RU is 11ax partial RU, so 11ax partial RU results are reflected in the report.

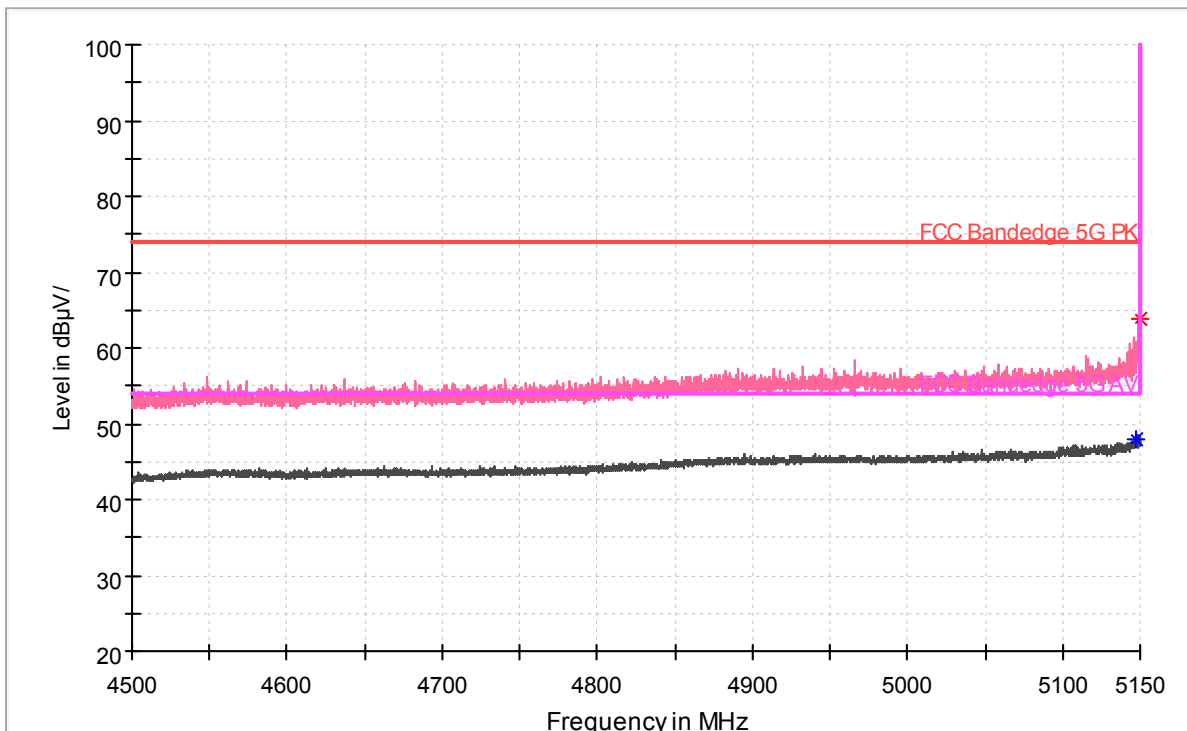
Note6:According to PSD comparison, the worst case for 11ax partial RU is HE40:26 Tone, so 26 Tone results are reflected in the report.

Radiated Emission : unwanted emission

After comparison the worst case attitude is EUT vertical.

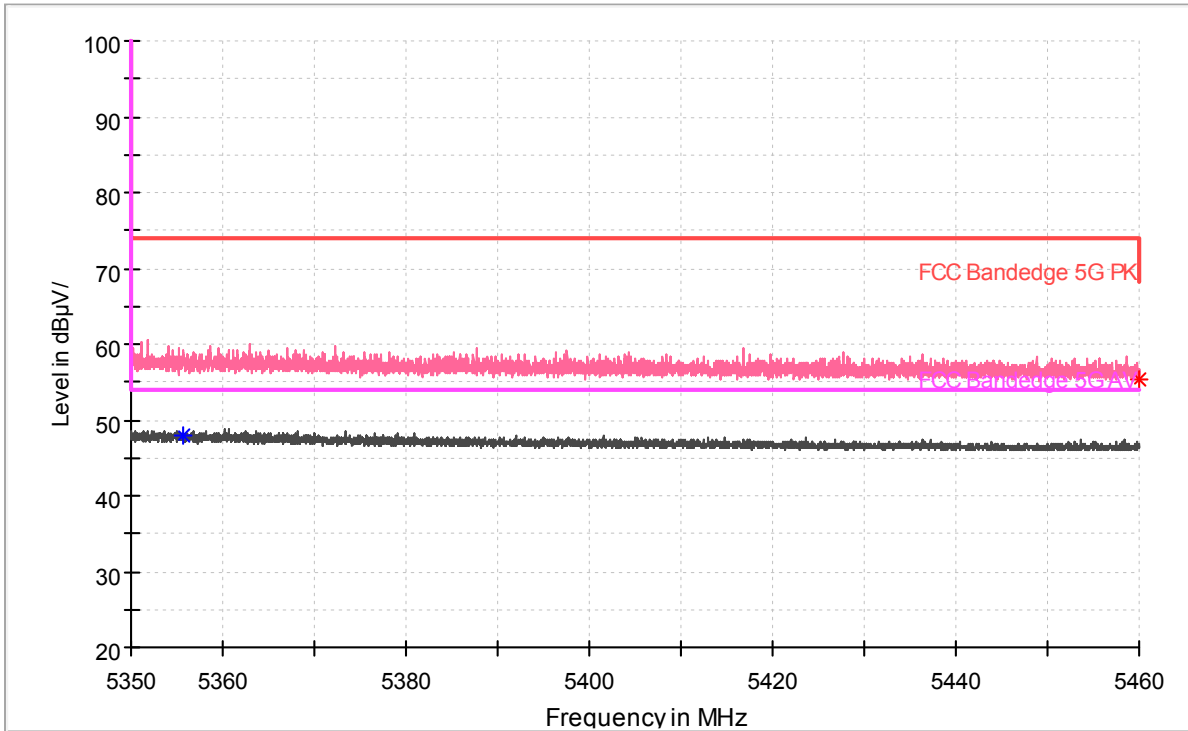
20M

Full Spectrum



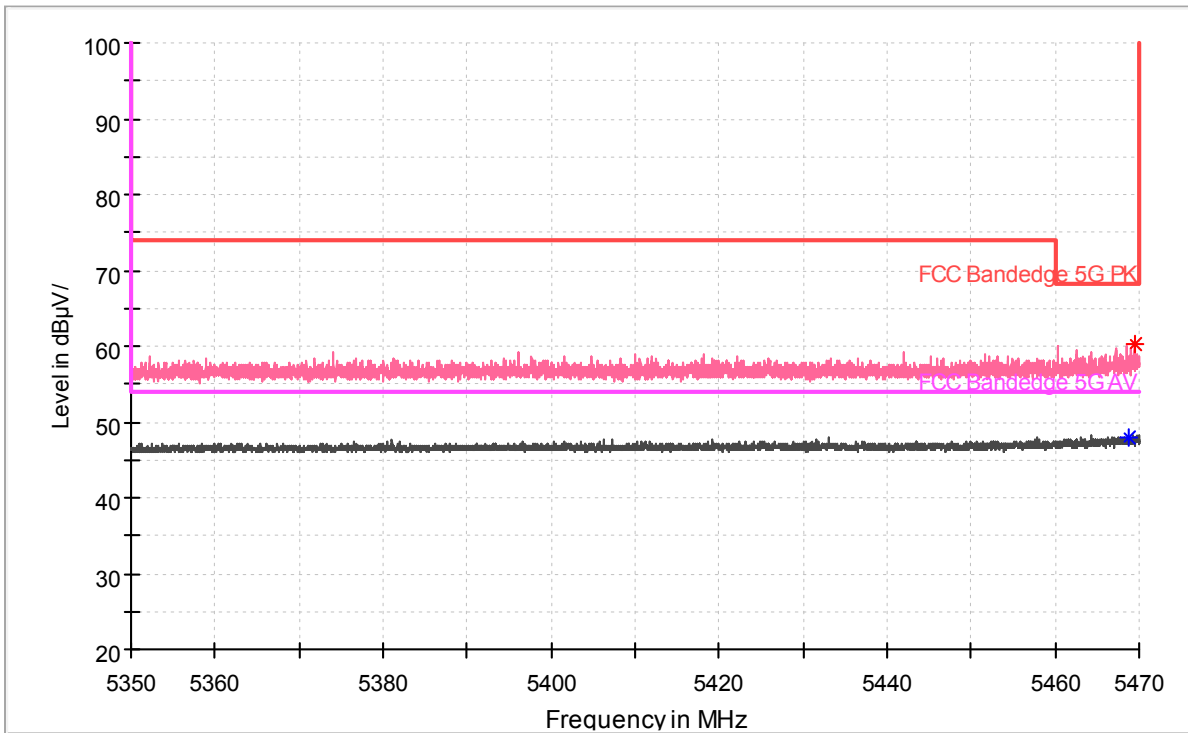
Radiated Emission Band Edge
Channel No.:36
Test Mode: 802.11a (ANT0)
Polarization: V

Full Spectrum



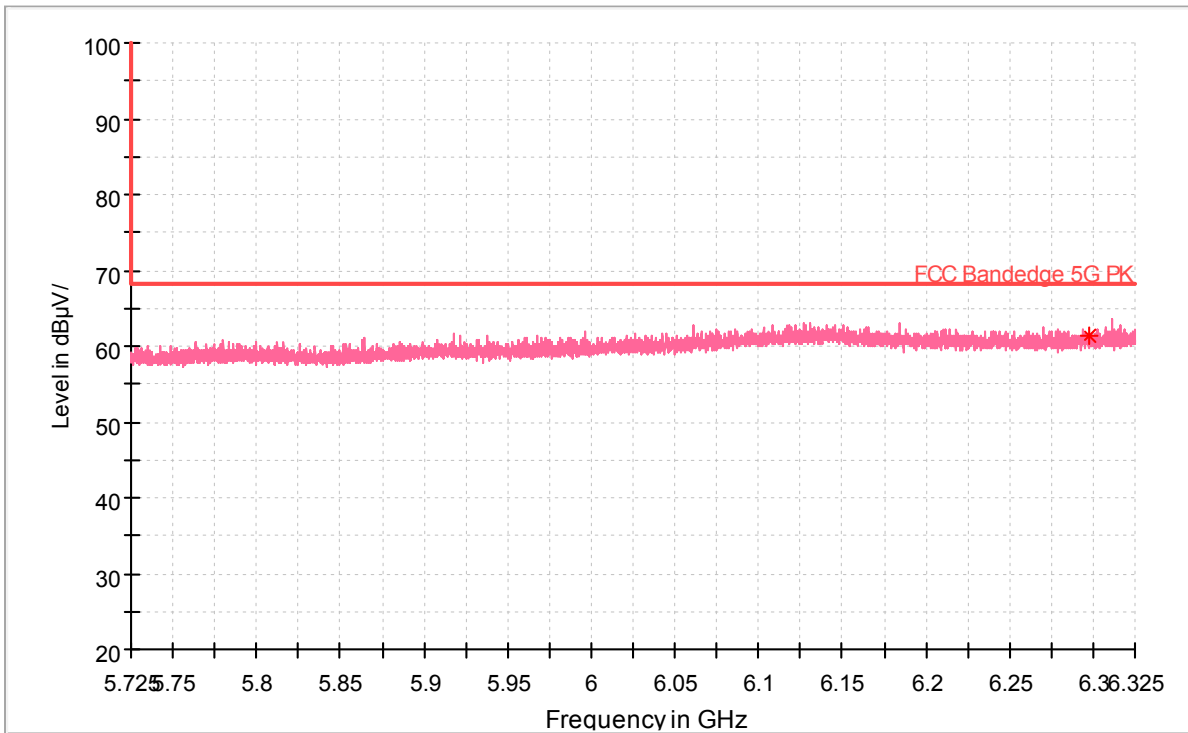
Radiated Emission Band Edge
Channel No.:64
Test Mode: 802.11a (ANT0)
Polarization: V

Full Spectrum



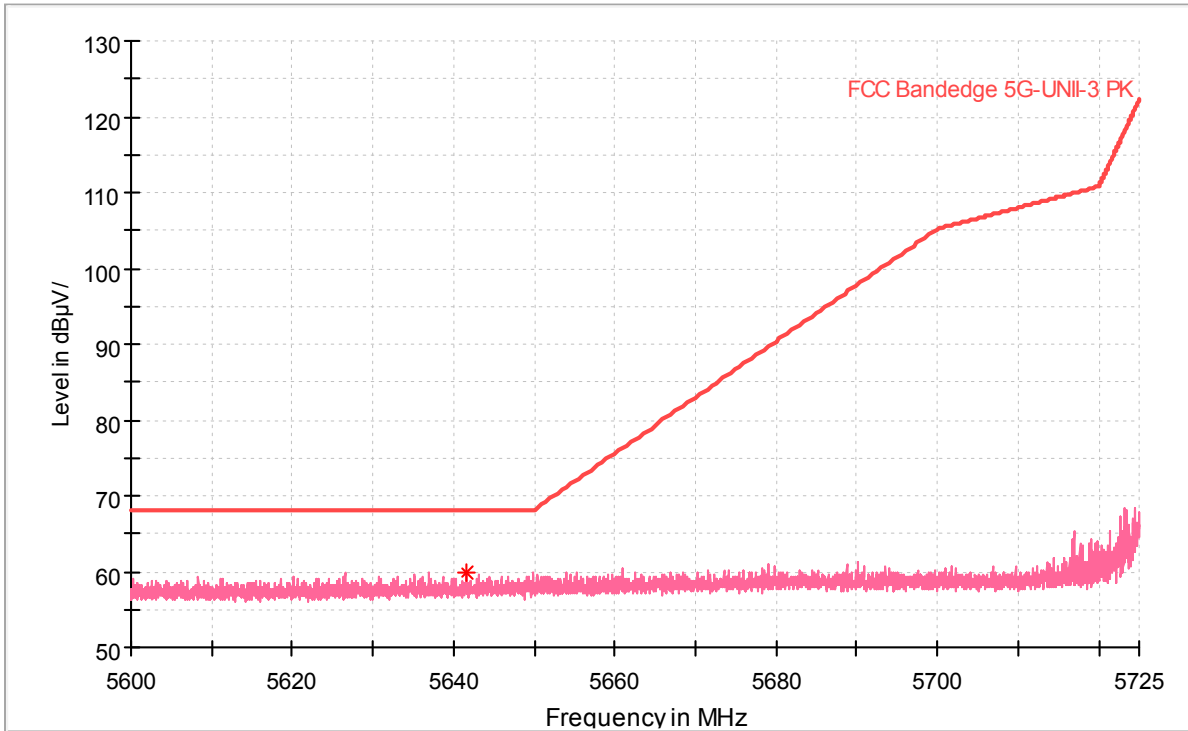
Radiated Emission Band Edge
Channel No.:100
Test Mode: 802.11a (ANT0)
Polarization: V

Full Spectrum



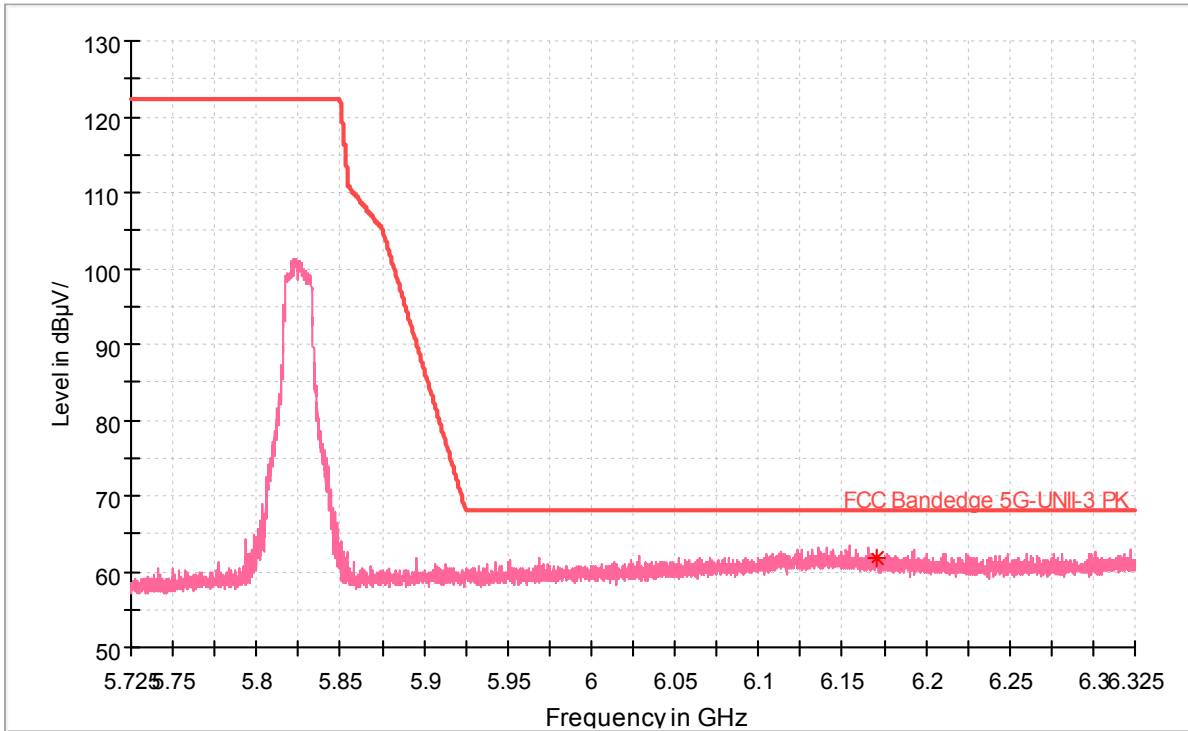
Radiated Emission Band Edge
Channel No.:140
Test Mode: 802.11a (ANT0)
Polarization: V

Full Spectrum



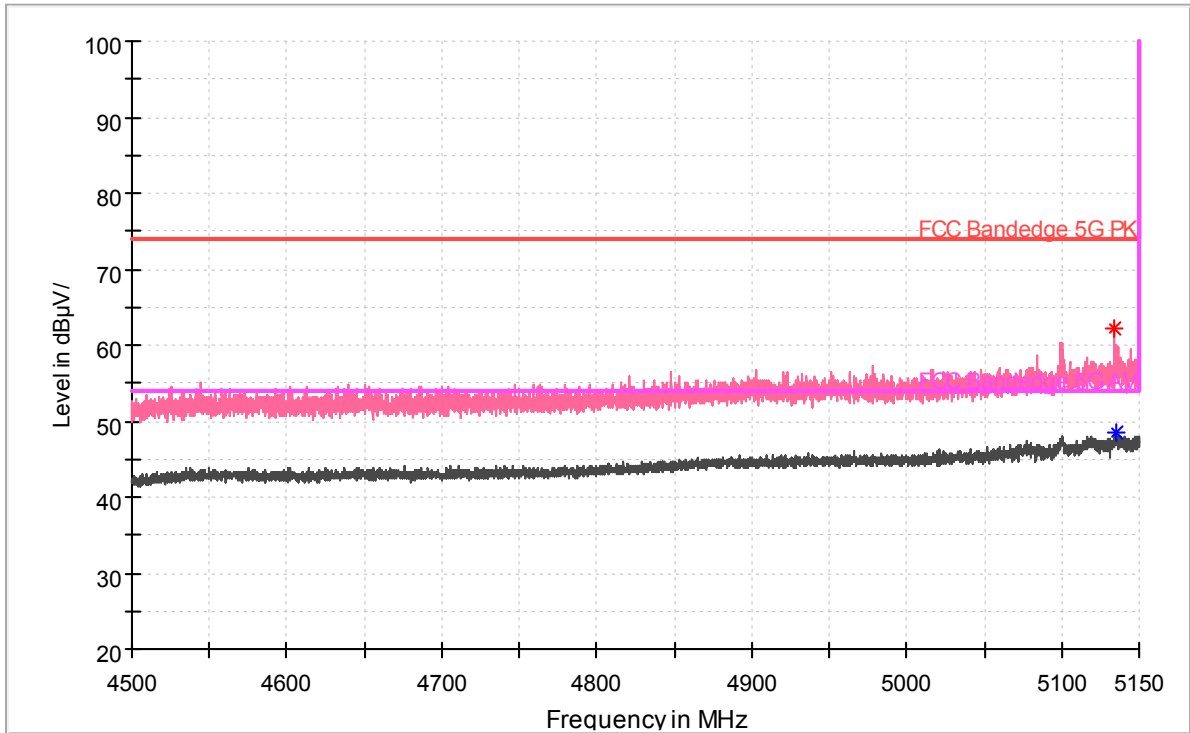
Radiated Emission Band Edge
Channel No.:149
Test Mode: 802.11a (ANT0)
Polarization: V

Full Spectrum



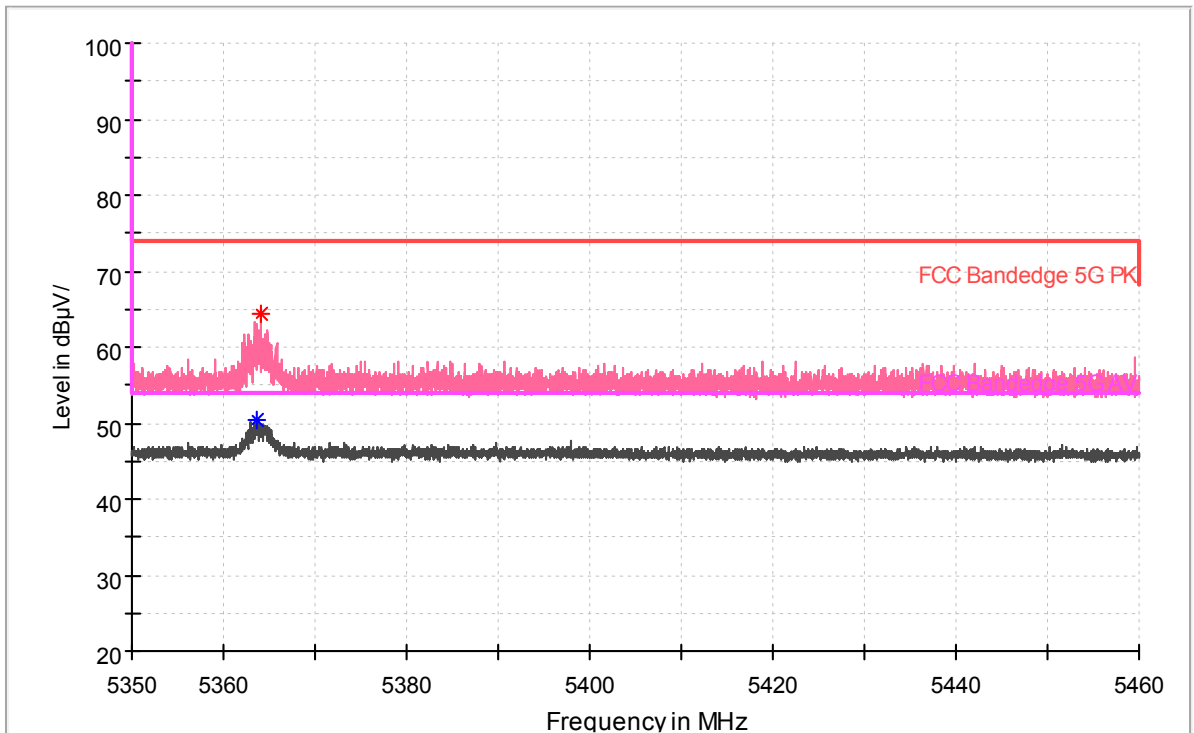
Radiated Emission Band Edge
Channel No.:165
Test Mode: 802.11a (ANT0)
Polarization: V

Full Spectrum



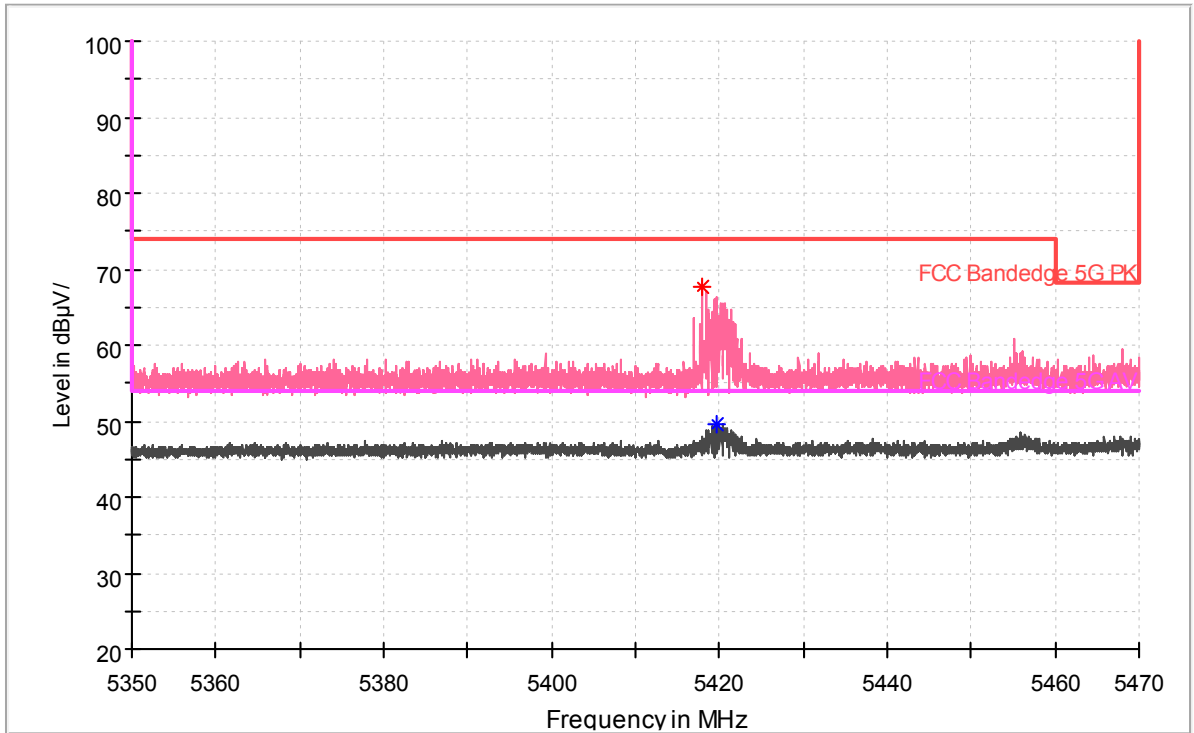
Radiated Emission Band Edge
Channel No.:38
Test Mode: 802.11ax HE40:26T
Polarization: V

Full Spectrum



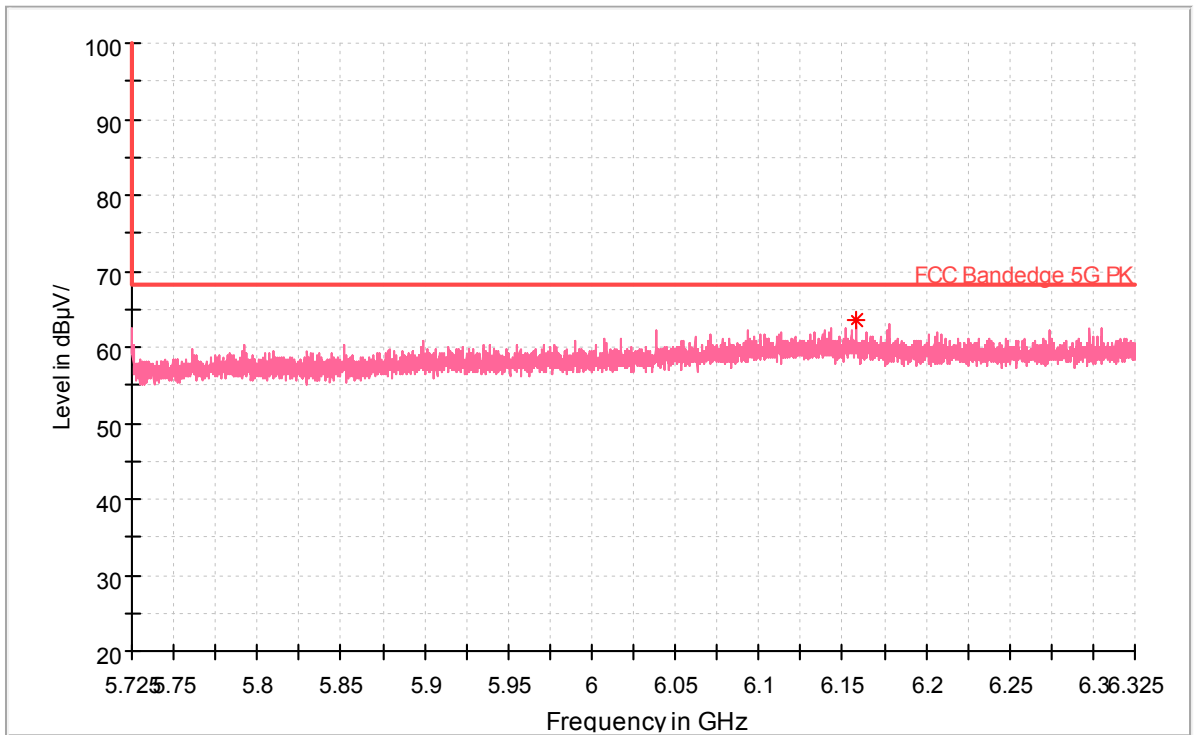
Radiated Emission Band Edge
Channel No.:62
Test Mode: 802.11ax HE40:26T
Polarization: V

Full Spectrum



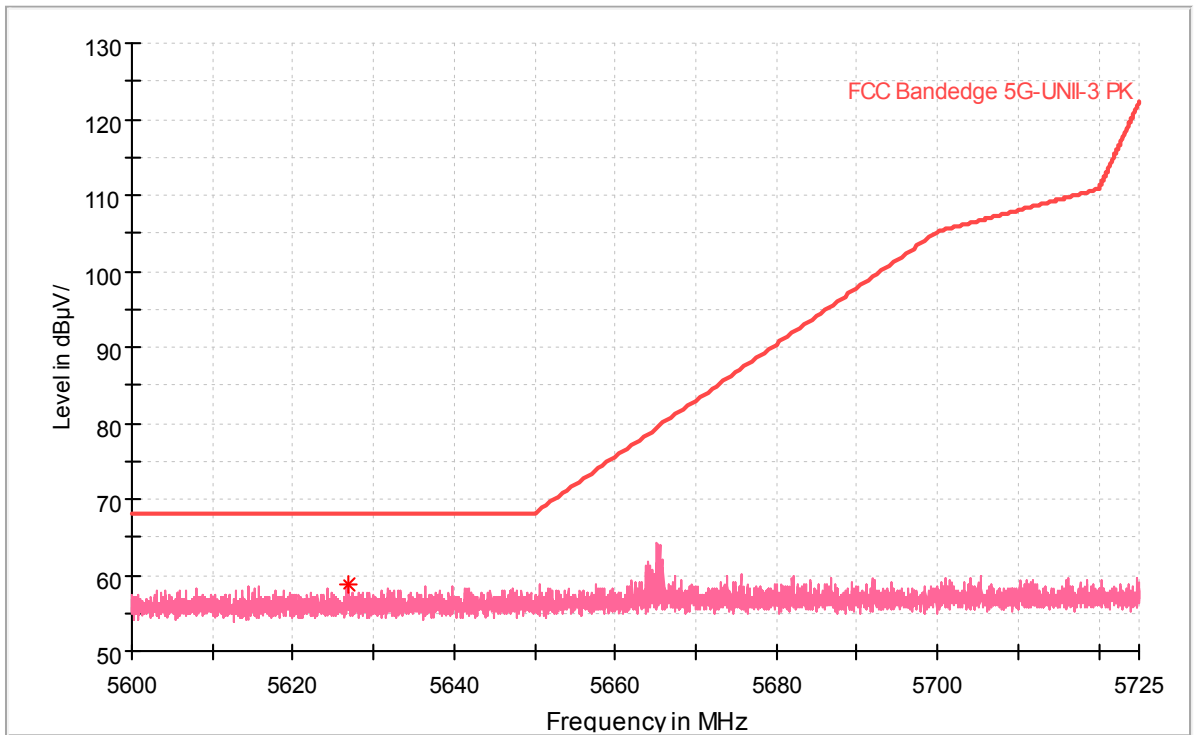
Radiated Emission Band Edge
Channel No.:102
Test Mode: 802.11ax HE40:26T
Polarization: V

Full Spectrum



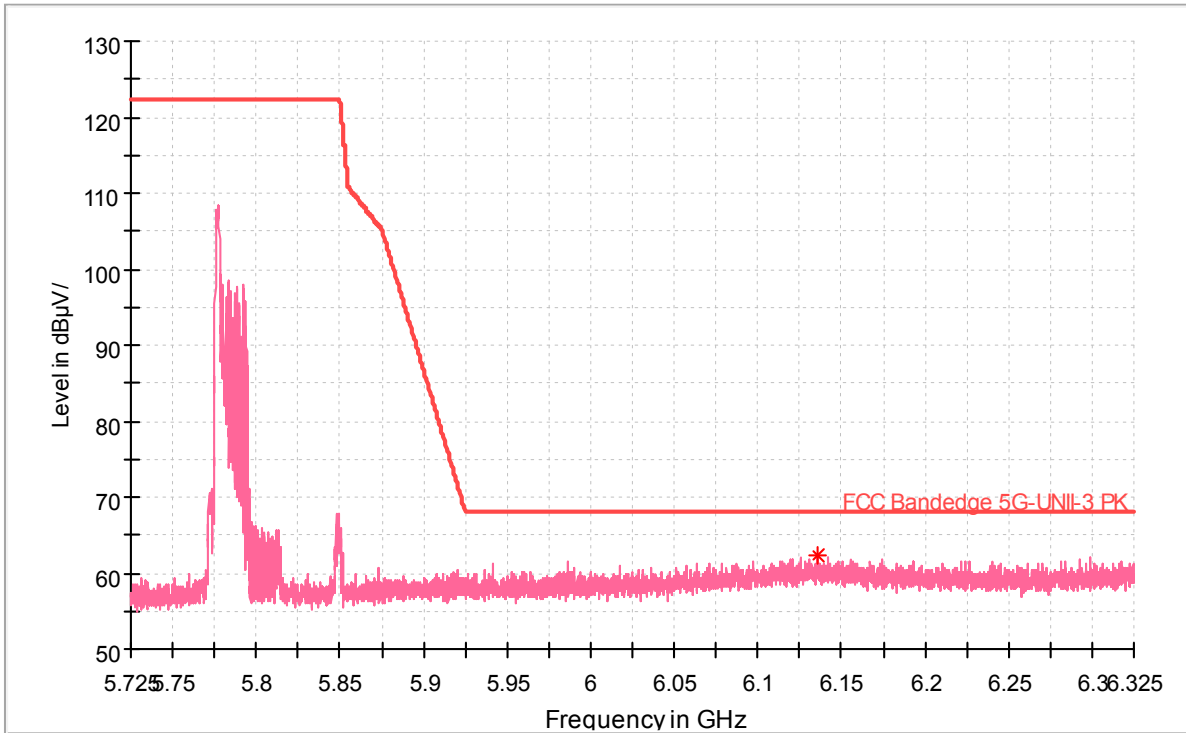
Radiated Emission Band Edge
Channel No.:134
Test Mode: 802.11ax HE40:26T
Polarization: V
Radiated Emission Band Edge

Full Spectrum



Channel No.:149
Test Mode: 802.11ax HE40:26T
Polarization: V

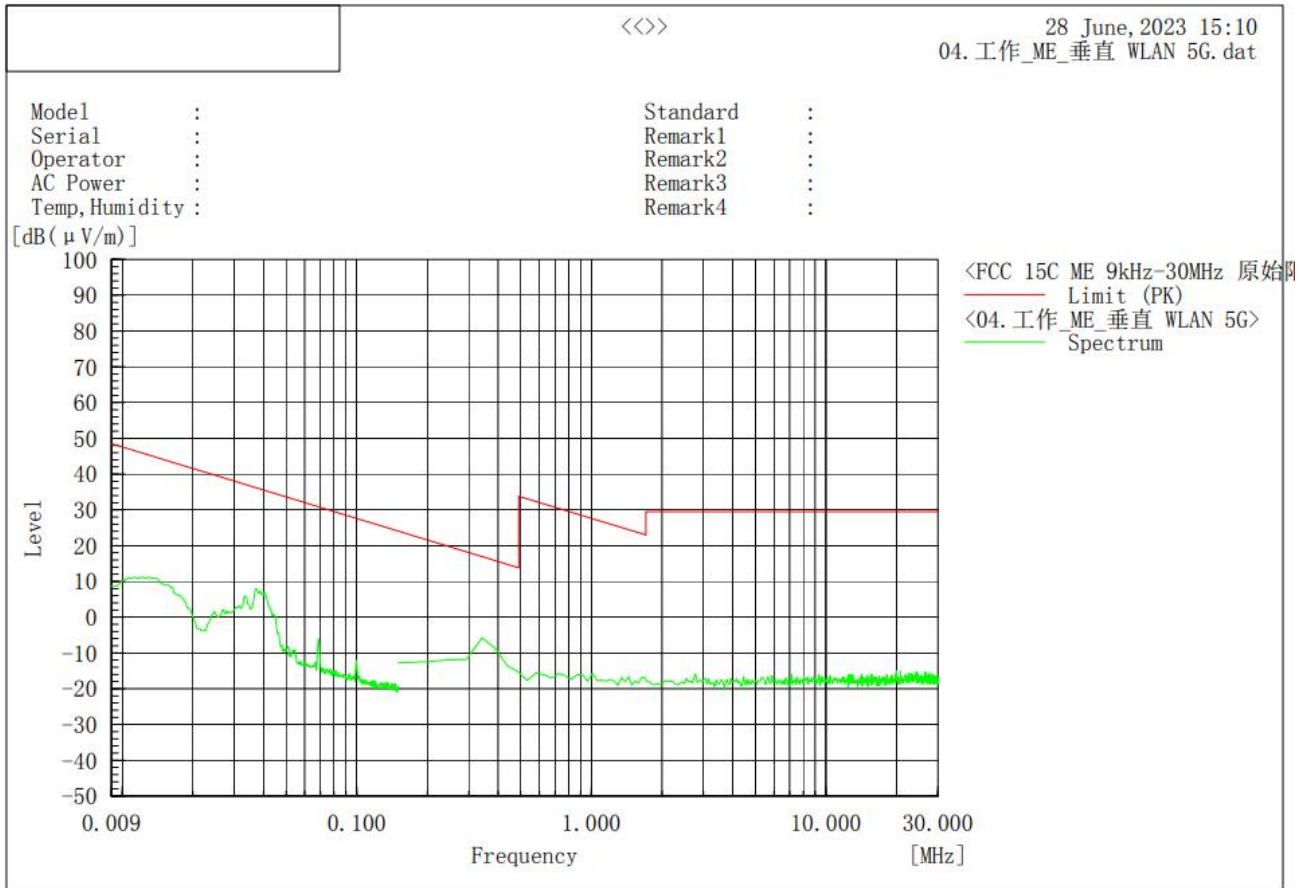
Full Spectrum



Radiated Emission Band Edge
Channel No.:165
Test Mode: 802.11ax HE40:26T
Polarization: V

Radiated Emission : unwanted emission

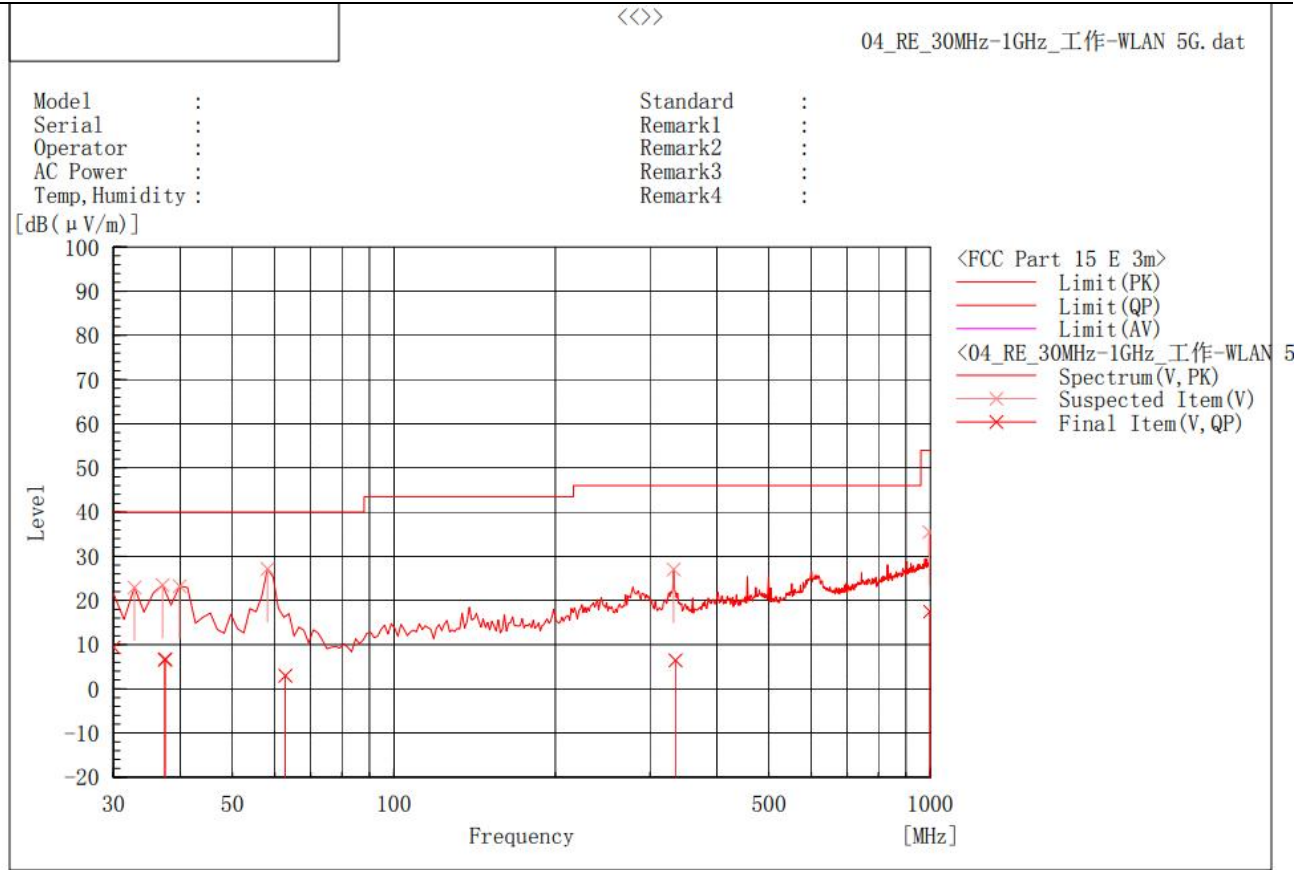
After comparison,the worst case attitude is EUT lay down



Frequency Range: 9kHz -30MHz

Detector: QP mode

Note: The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.



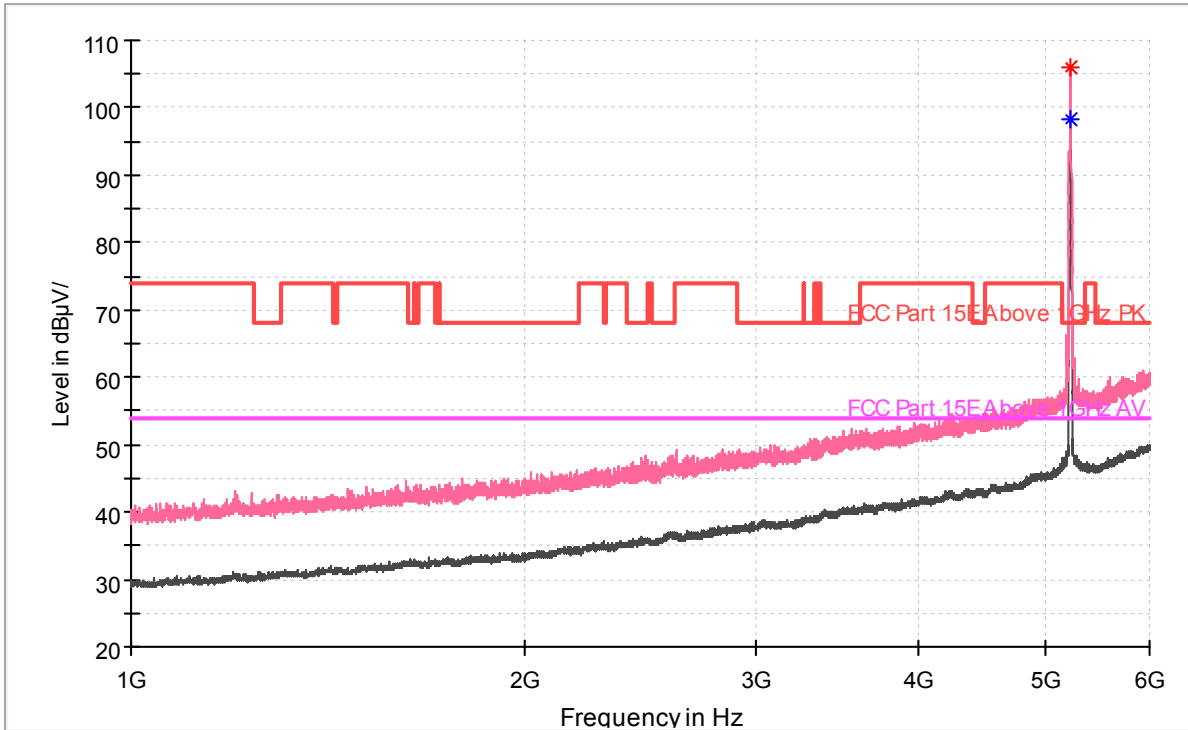
Final Result

No.	Frequency [MHz]	(P)	Reading QP [dB (μV)]	c. f [dB(1/m)]	Result QP [dB(μV/m)]	Limit QP [dB(μV/m)]	Margin QP [dB]	Height [cm]	Angle [°]	Remark
1	30.004	V	23.1	-13.7	9.4	40.0	30.6	105.0	349.7	
2	37.380	V	20.0	-13.3	6.7	40.0	33.3	106.0	350.8	
3	37.469	V	20.0	-13.3	6.7	40.0	33.3	110.0	186.9	
4	62.720	V	16.8	-13.8	3.0	40.0	37.0	104.0	112.3	
5	334.787	V	16.1	-9.6	6.5	46.0	39.5	110.0	2.6	
6	997.790	V	14.7	2.8	17.5	54.0	36.5	106.0	329.5	

Frequency Range: 30MHz -1GHz
Detector: QP mode

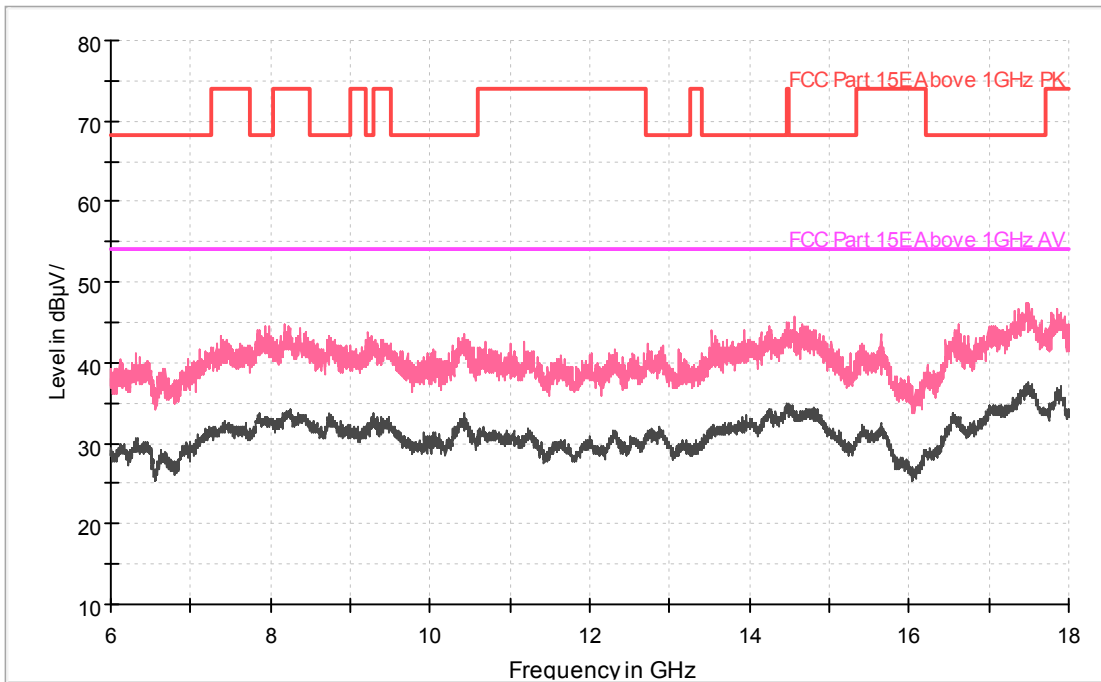
Carrier frequency (MHz): 5220
Channel No.44

Full Spectrum



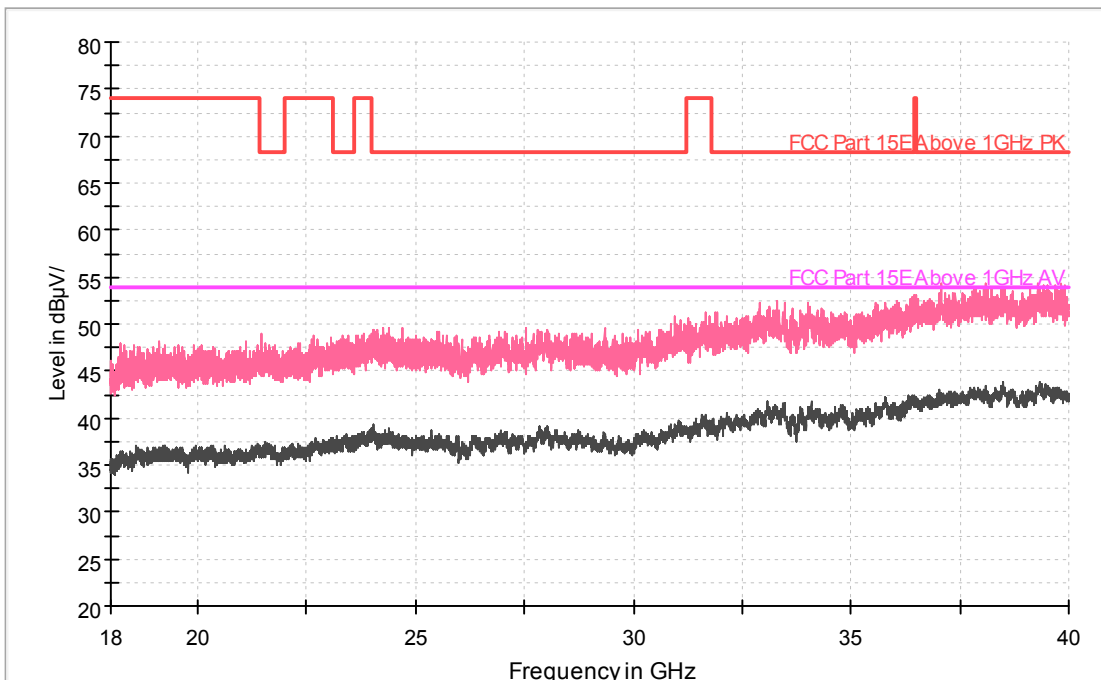
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11a(ANT0)

Full Spectrum



Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11a(ANT0)

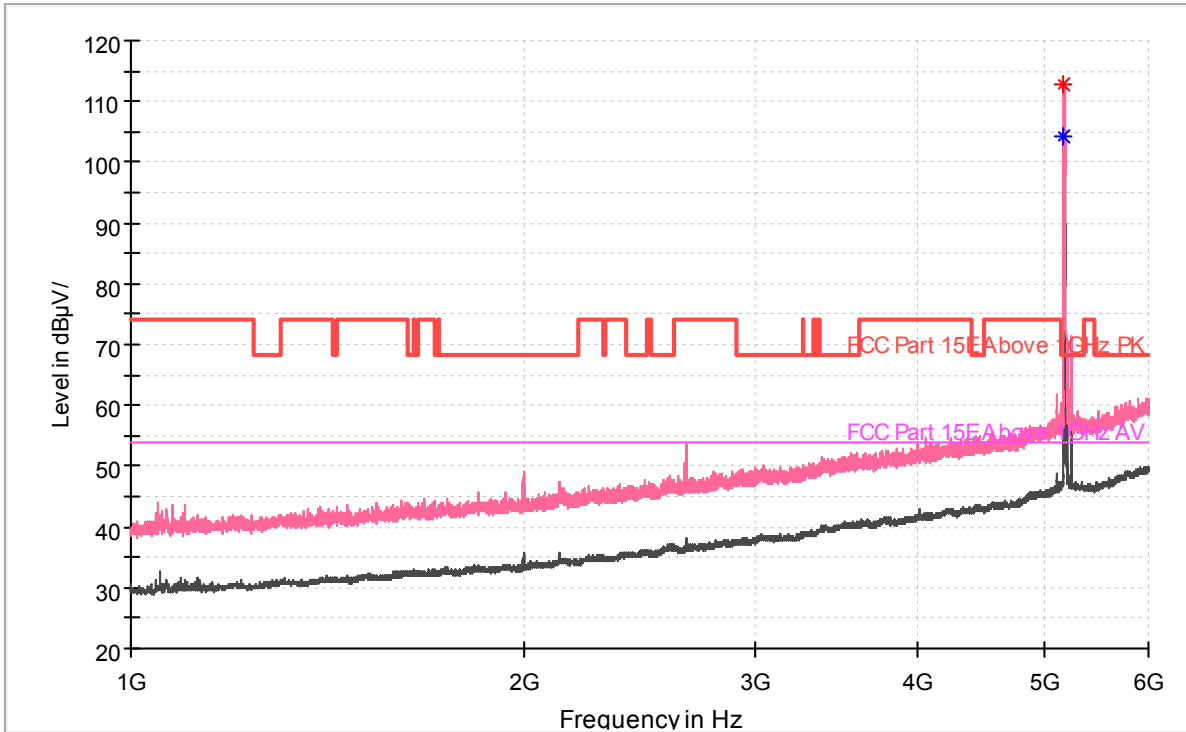
Full Spectrum



Frequency Range: 18GHz -40GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11a(ANT0)

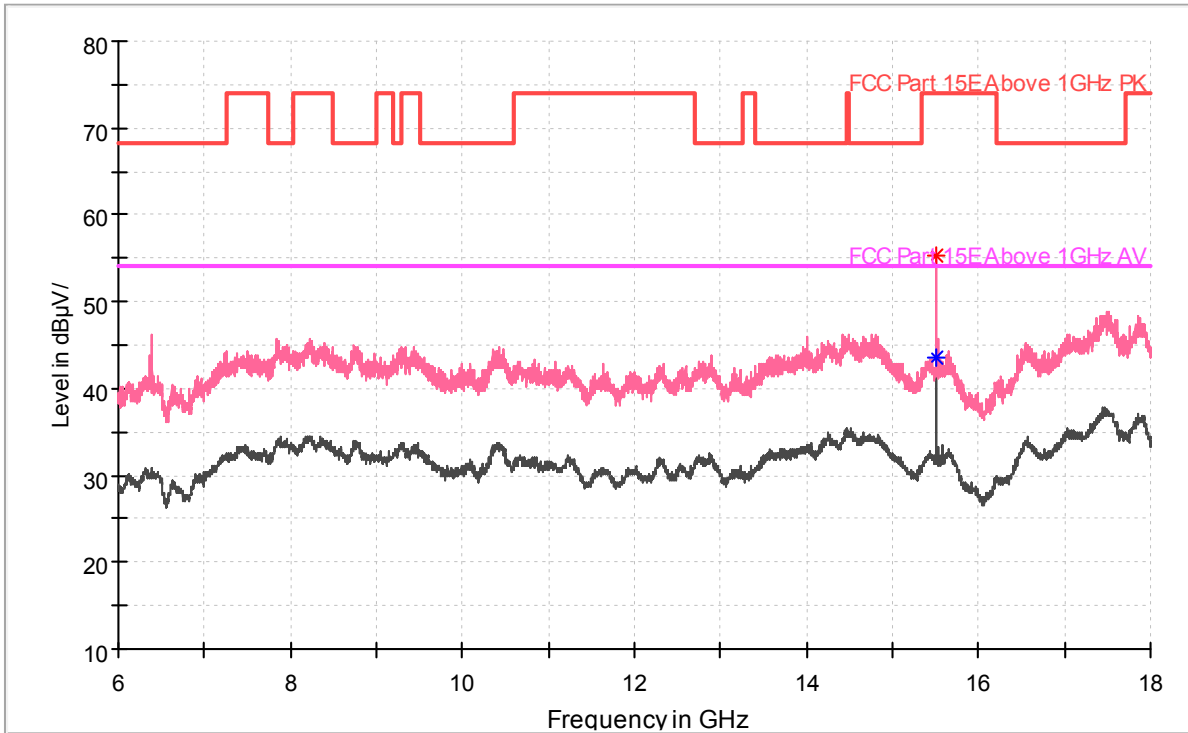
Carrier frequency (MHz): 5190
Channel No.38

Full Spectrum



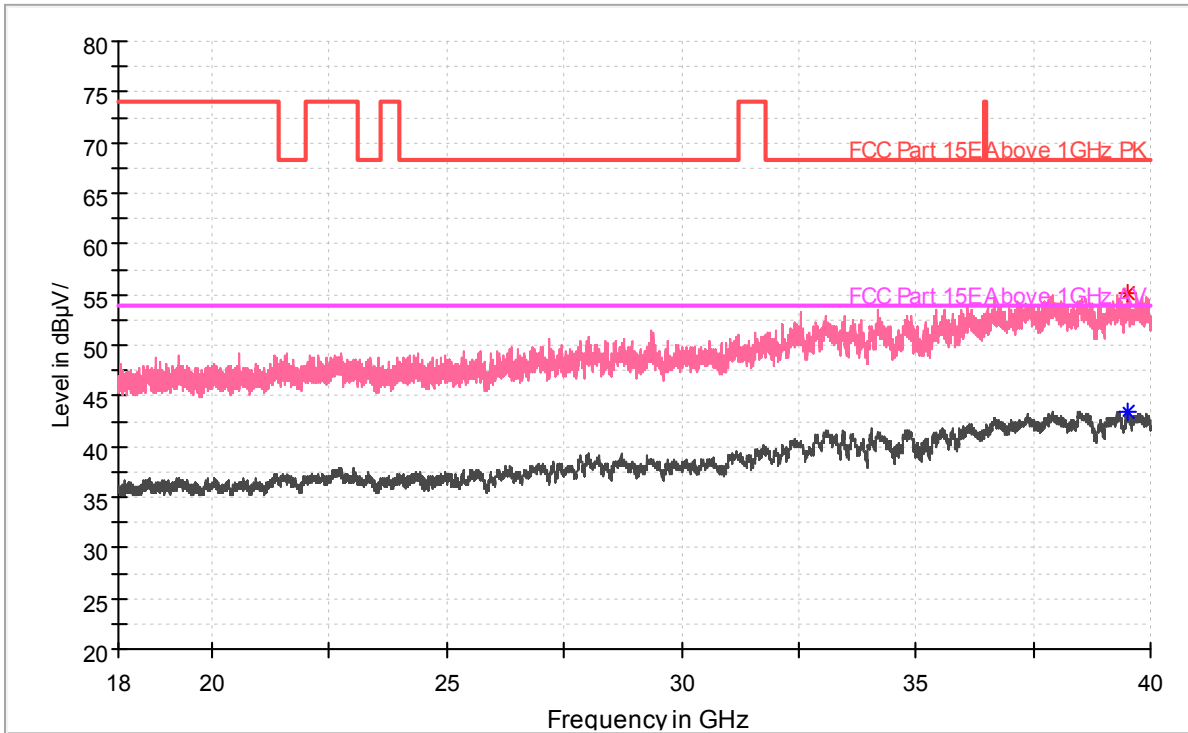
Frequency Range: 1GHz -6GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T

Full Spectrum



Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11ax HE40:26T

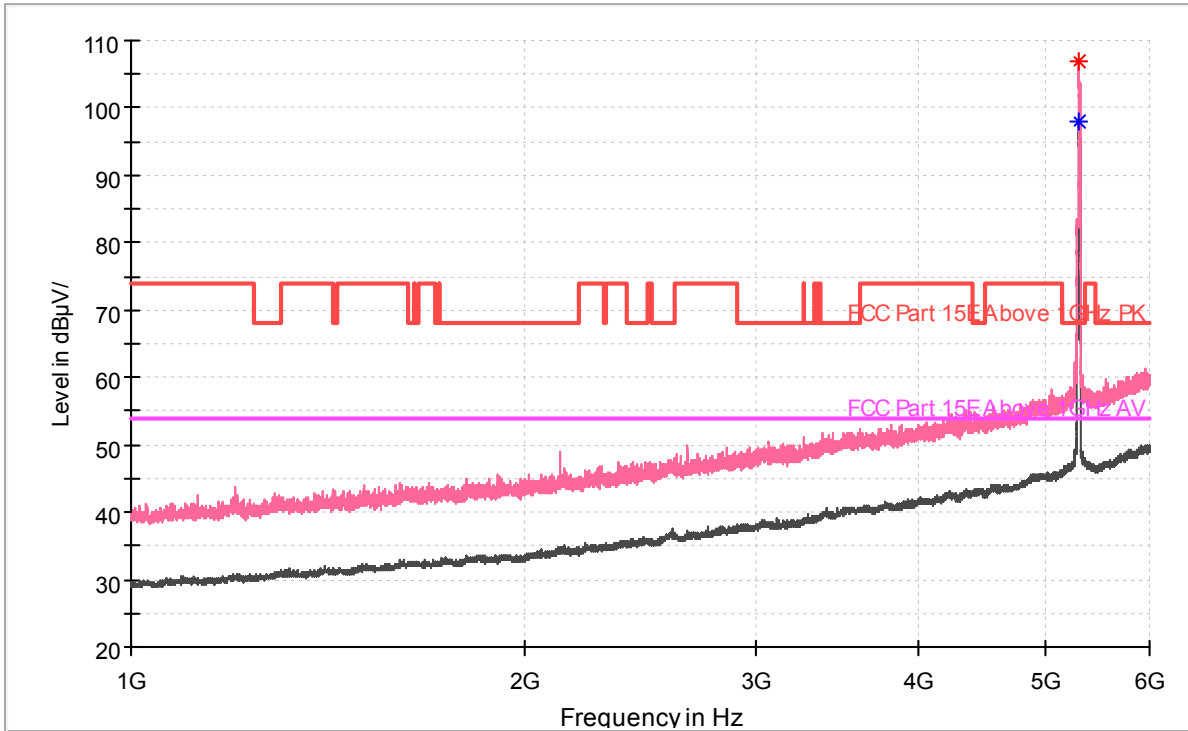
Full Spectrum



Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T

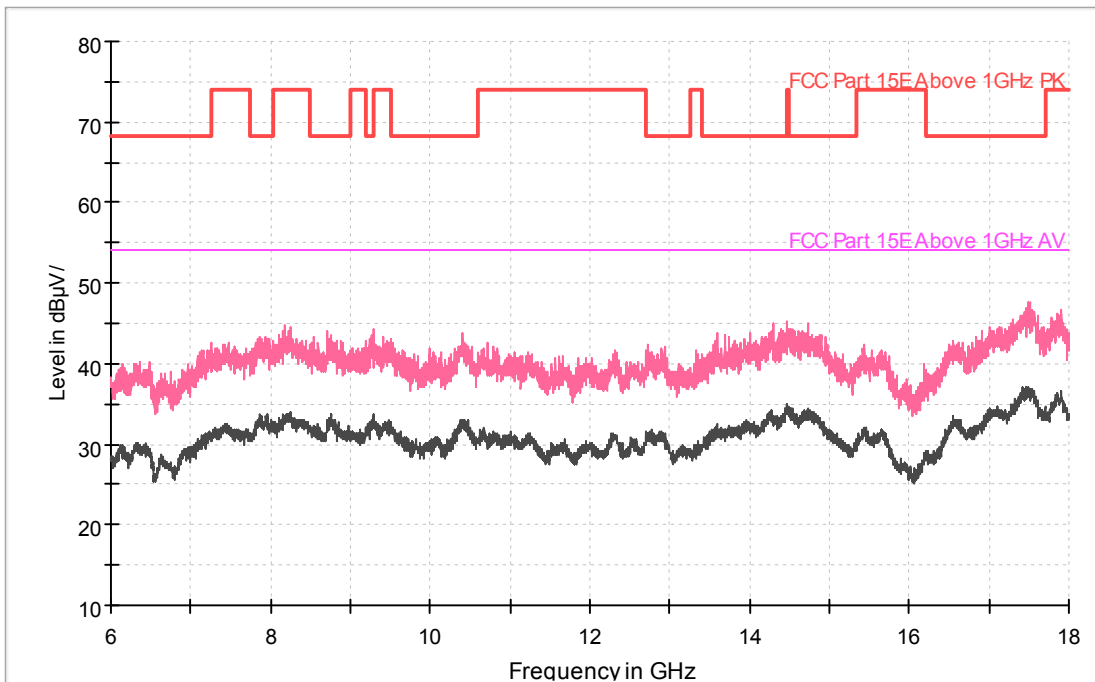
Carrier frequency (MHz): 5300
 Channel No.:60

Full Spectrum



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11a(ANT0)

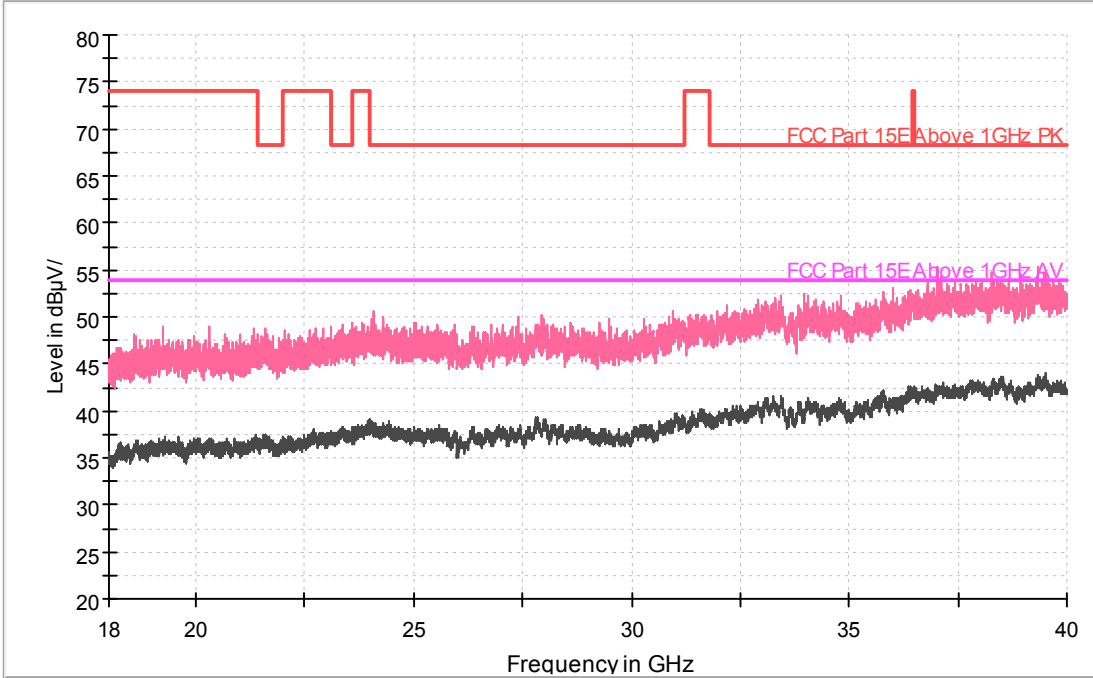
Full Spectrum



Frequ

Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11a(ANT0)

Full Spectrum

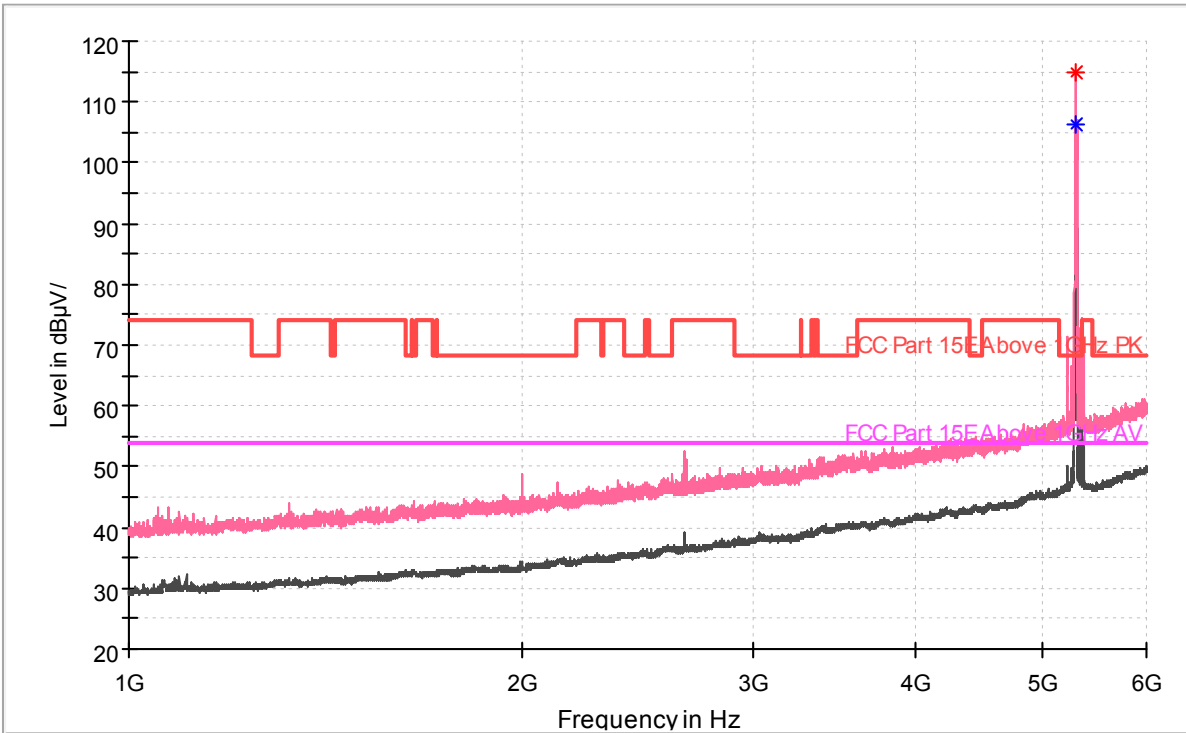


Frequ

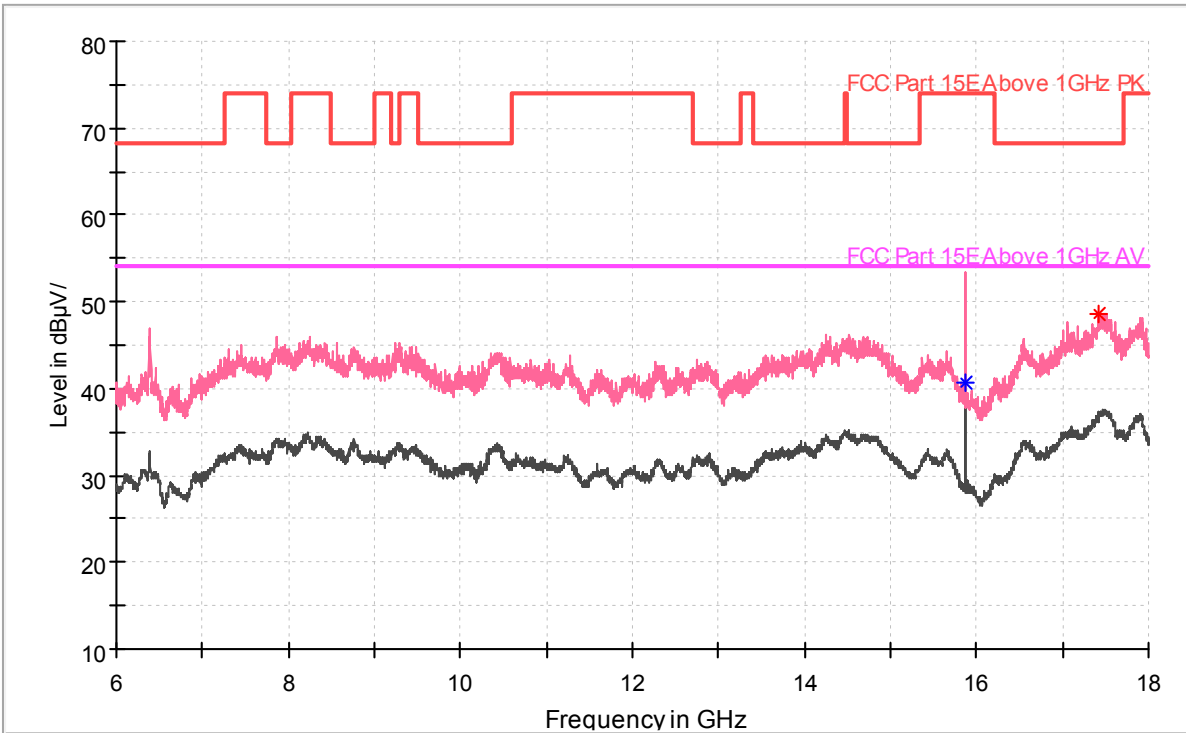
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a(ANT0)

Carrier frequency (MHz): 5310
Channel No.62

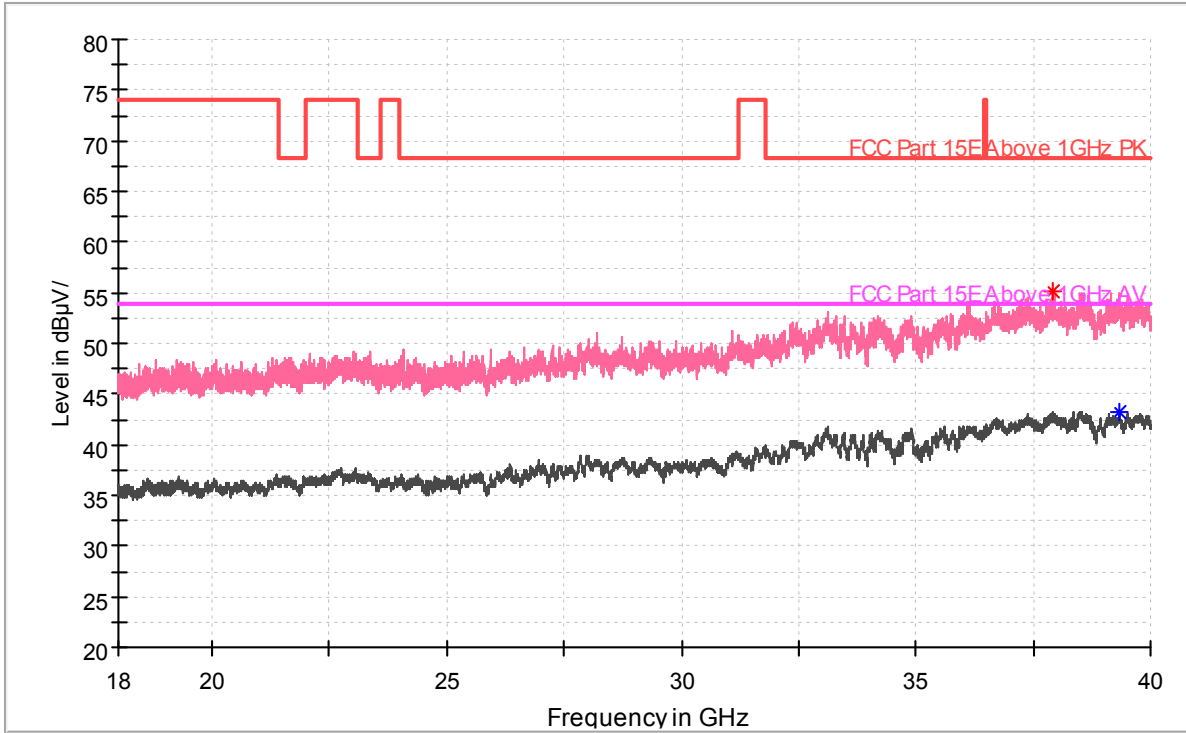
Full Spectrum



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11ax
 HE40:26T
 Full Spectrum



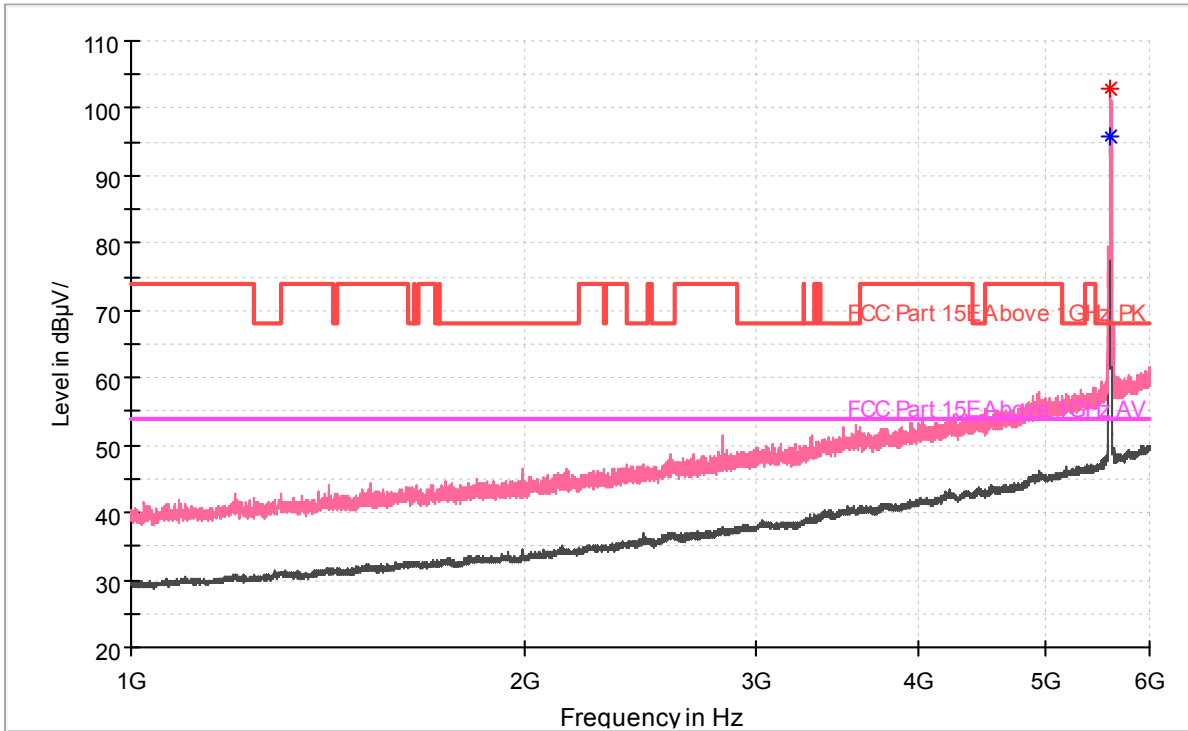
Frequency Range: 6GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax
HE40:26T
Full Spectrum



Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T

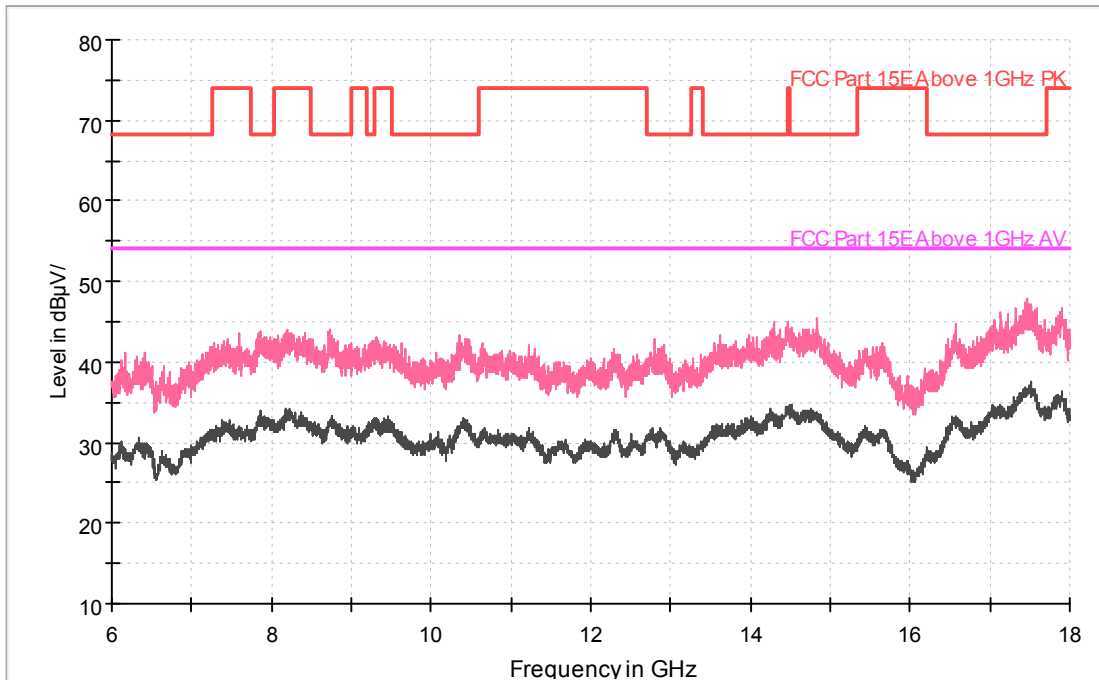
Carrier frequency (MHz): 5580
Channel
No.:116

Full Spectrum



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11a(ANT0)

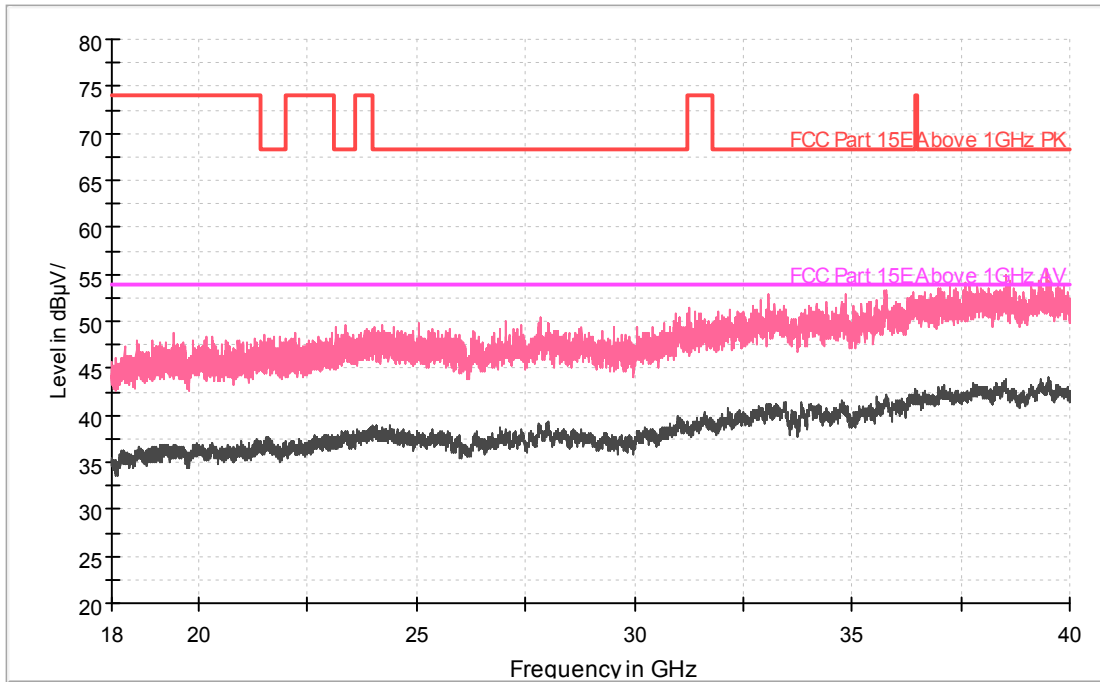
Full Spectrum



Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

Modulation type: 802.11a(ANT0)

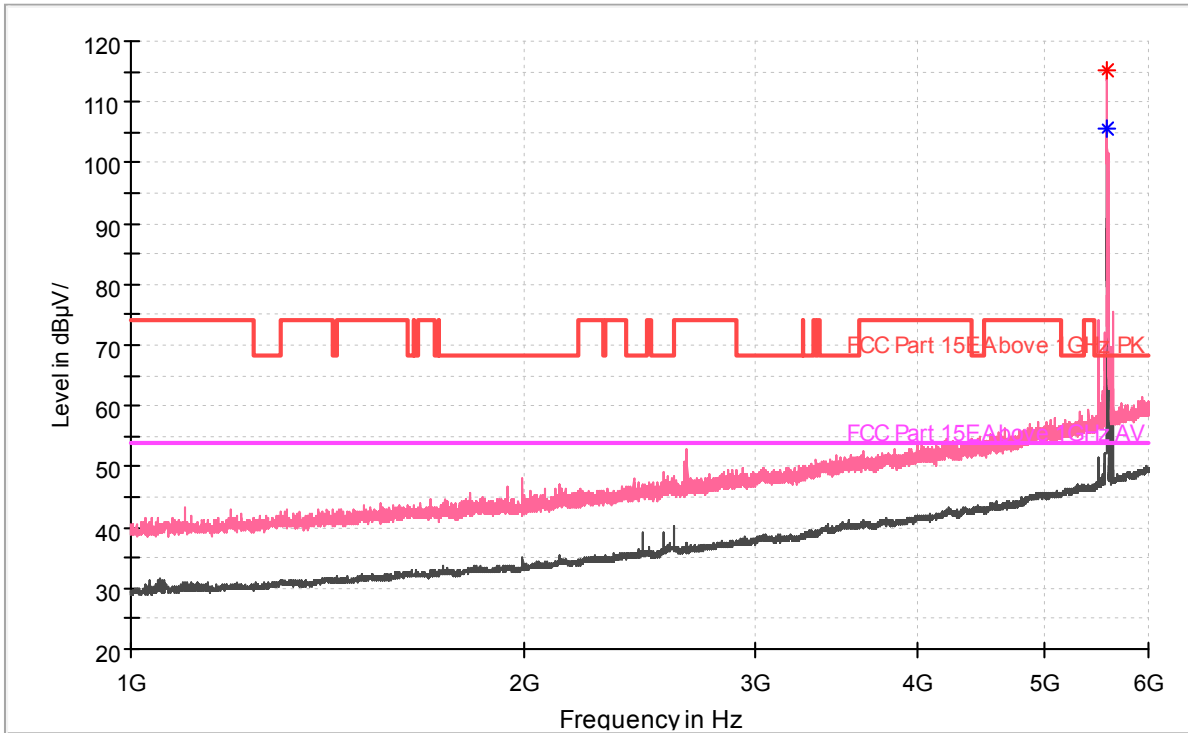
Full Spectrum



Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a(ANT0)

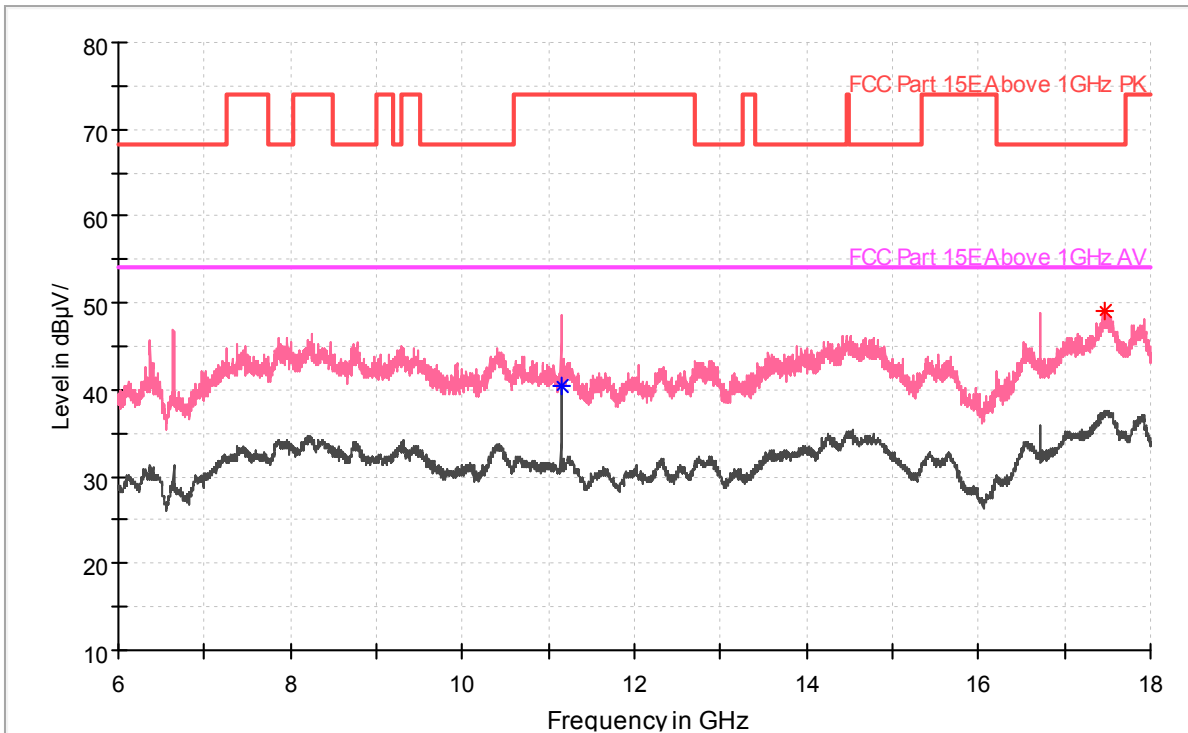
Carrier frequency (MHz): 5670
Channel No.:116

Full Spectrum



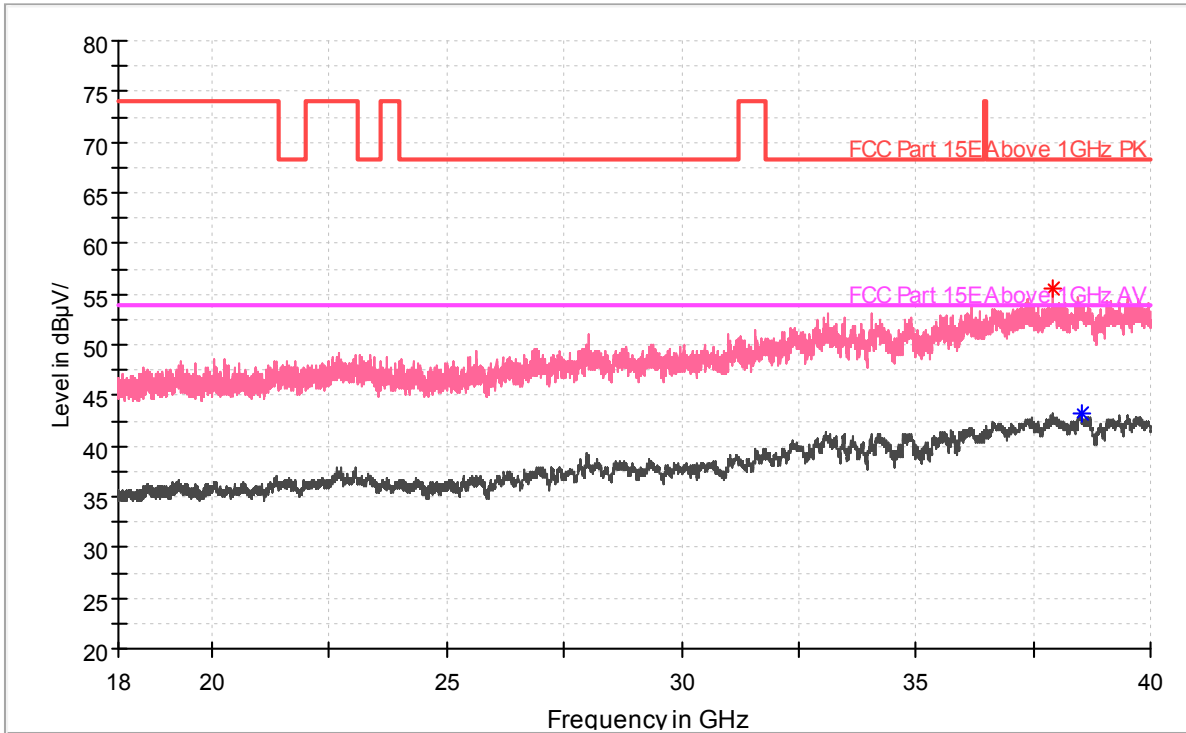
Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11ax HE40:26T

Full Spectrum



Frequency Range: 6GHz -18GHz

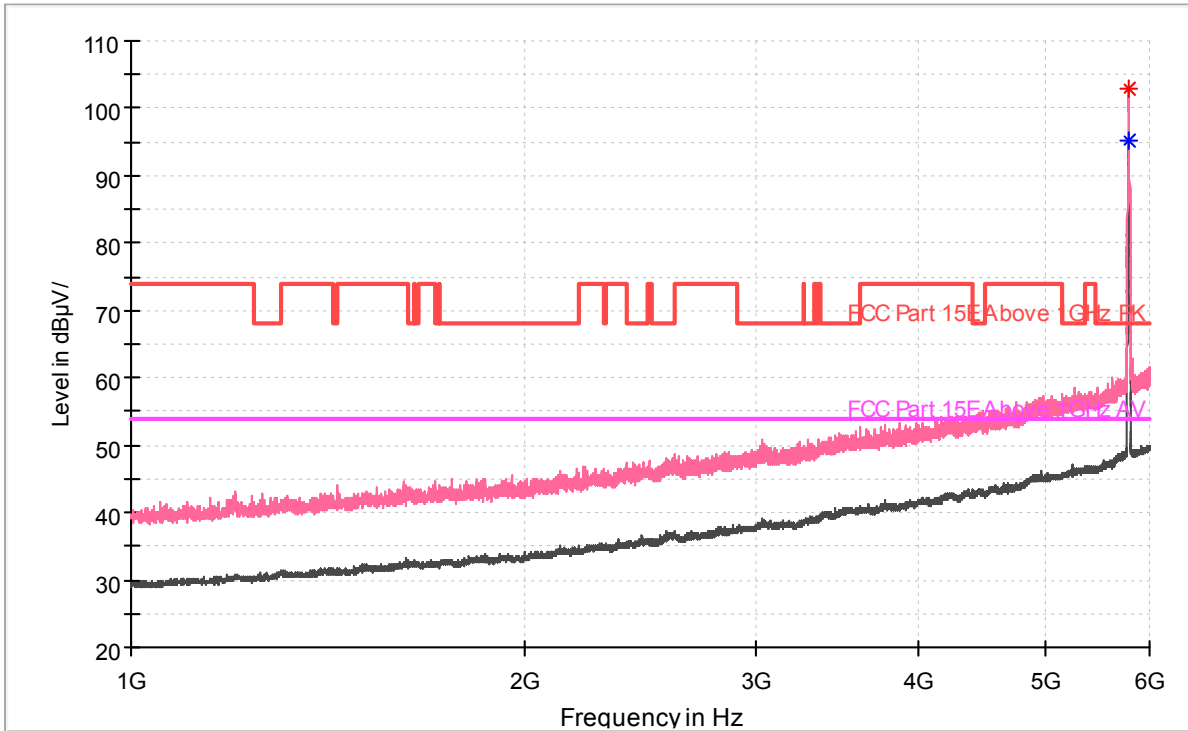
Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T
Full Spectrum



Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T

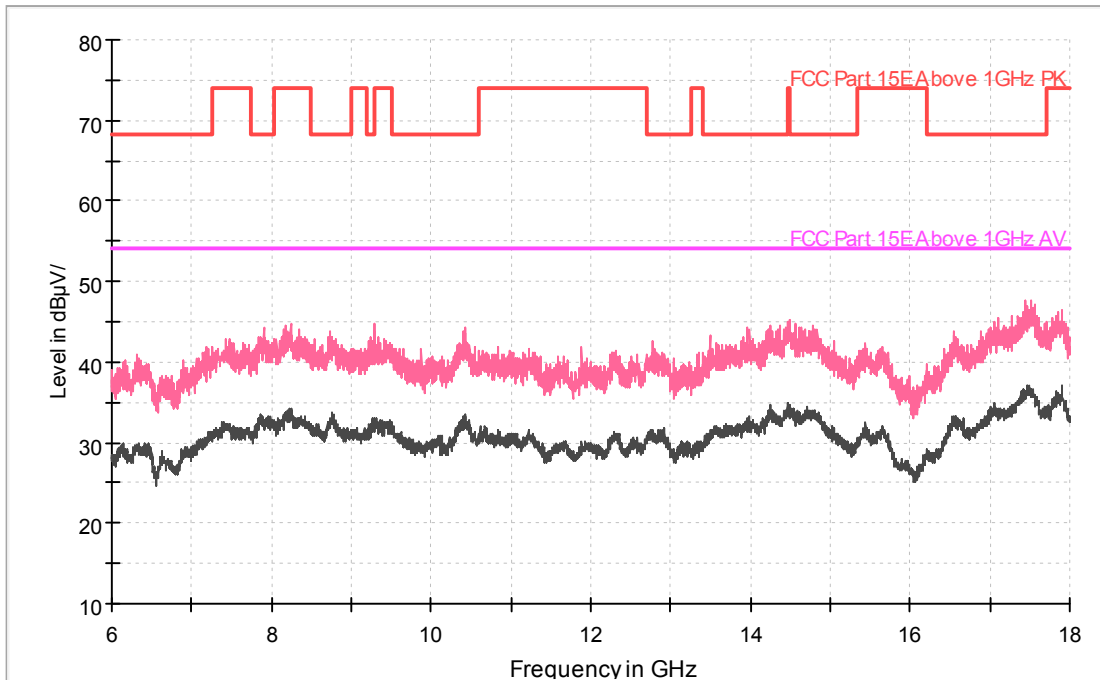
Carrier frequency (MHz): 5785
Channel No.:157

Full Spectrum



Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11a(ANT0)

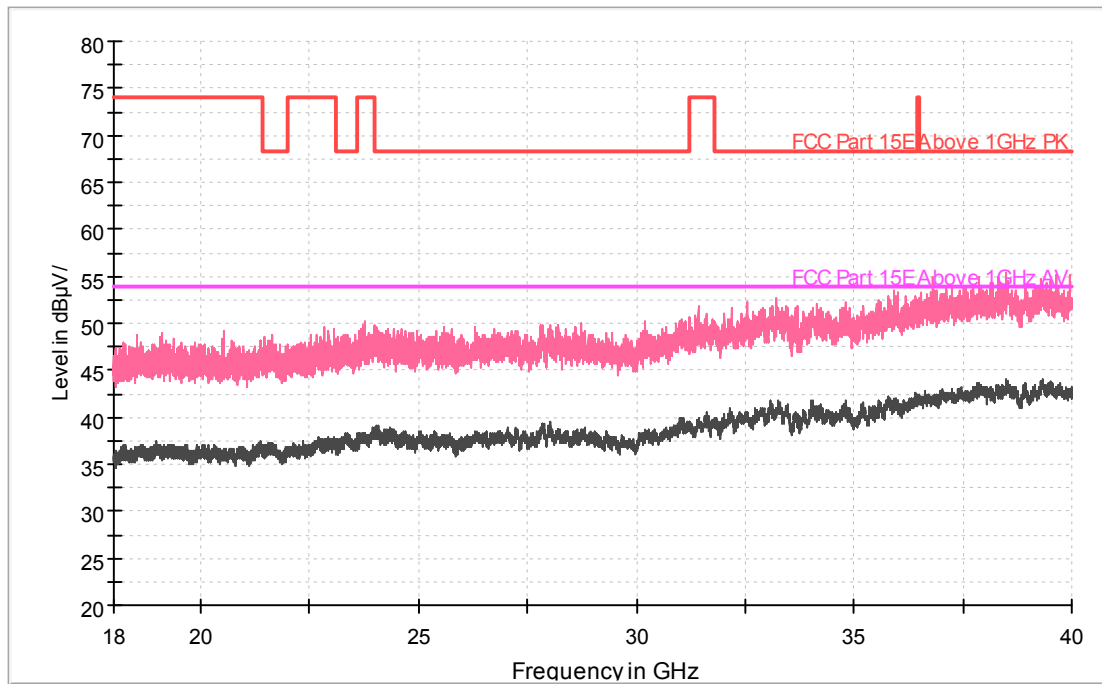
Full Spectrum



Frequency Range: 6GHz -18GHz
 Detector: Av mode and PK mode

Modulation type: 802.11a(ANT0)

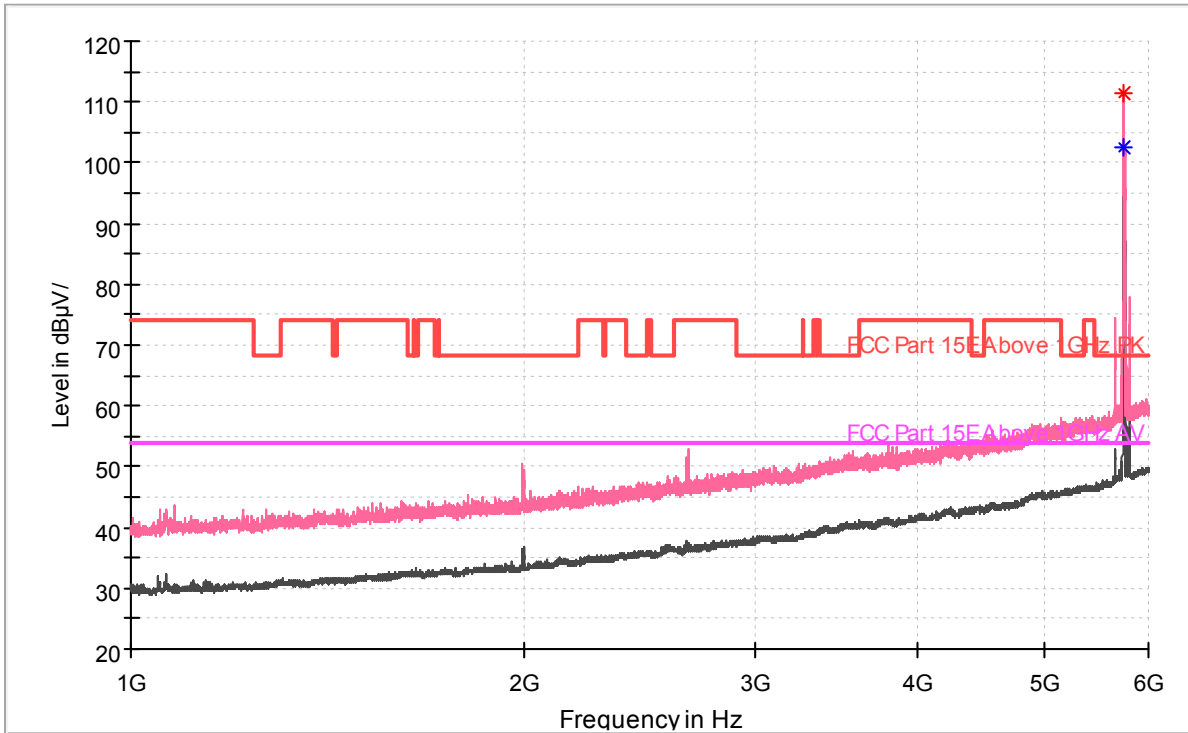
Full Spectrum



Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11a(ANT0)

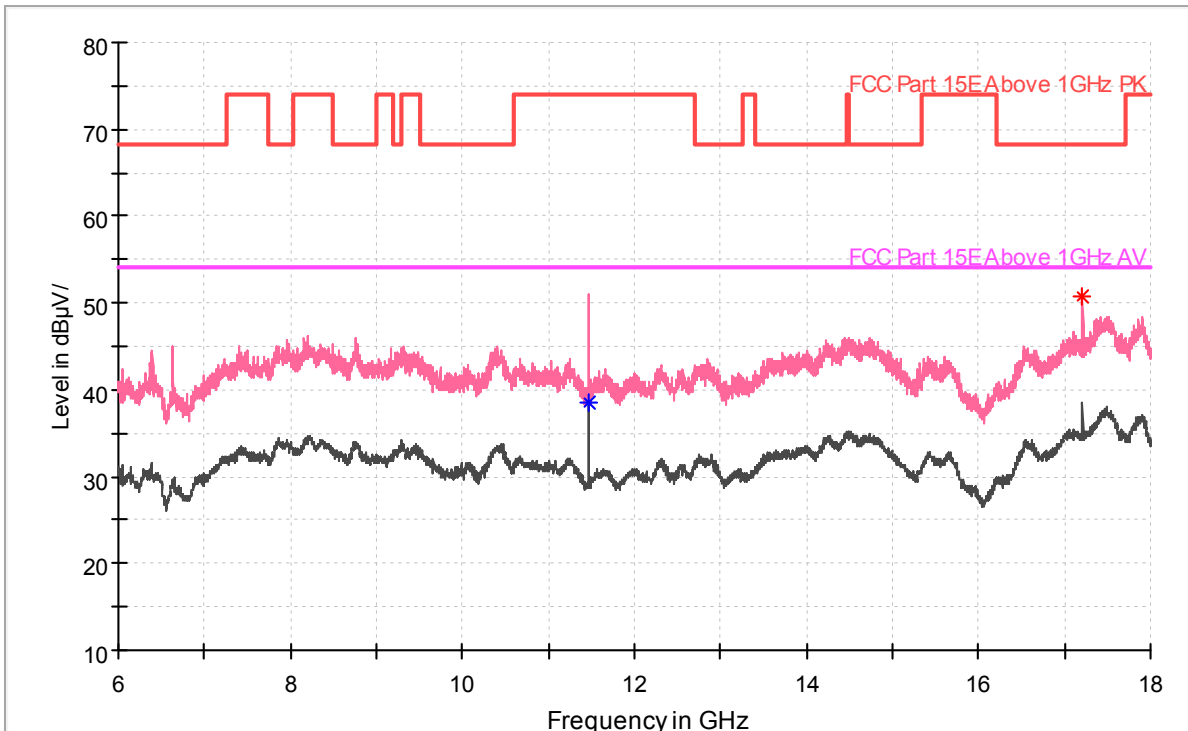
Carrier frequency (MHz): 5755
Channel No.:151

Full Spectrum



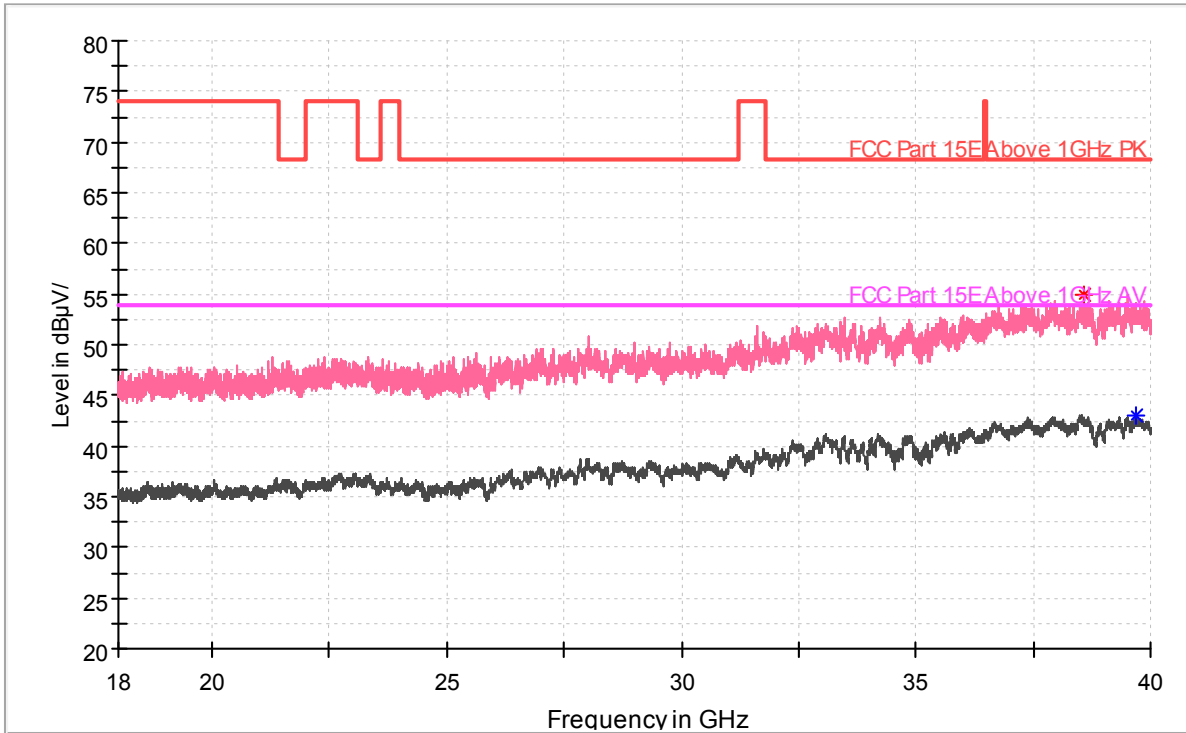
Frequency Range: 1GHz -6GHz
 Detector: Av mode and PK mode
 Modulation type: 802.11ax HE40:26T

Full Spectrum



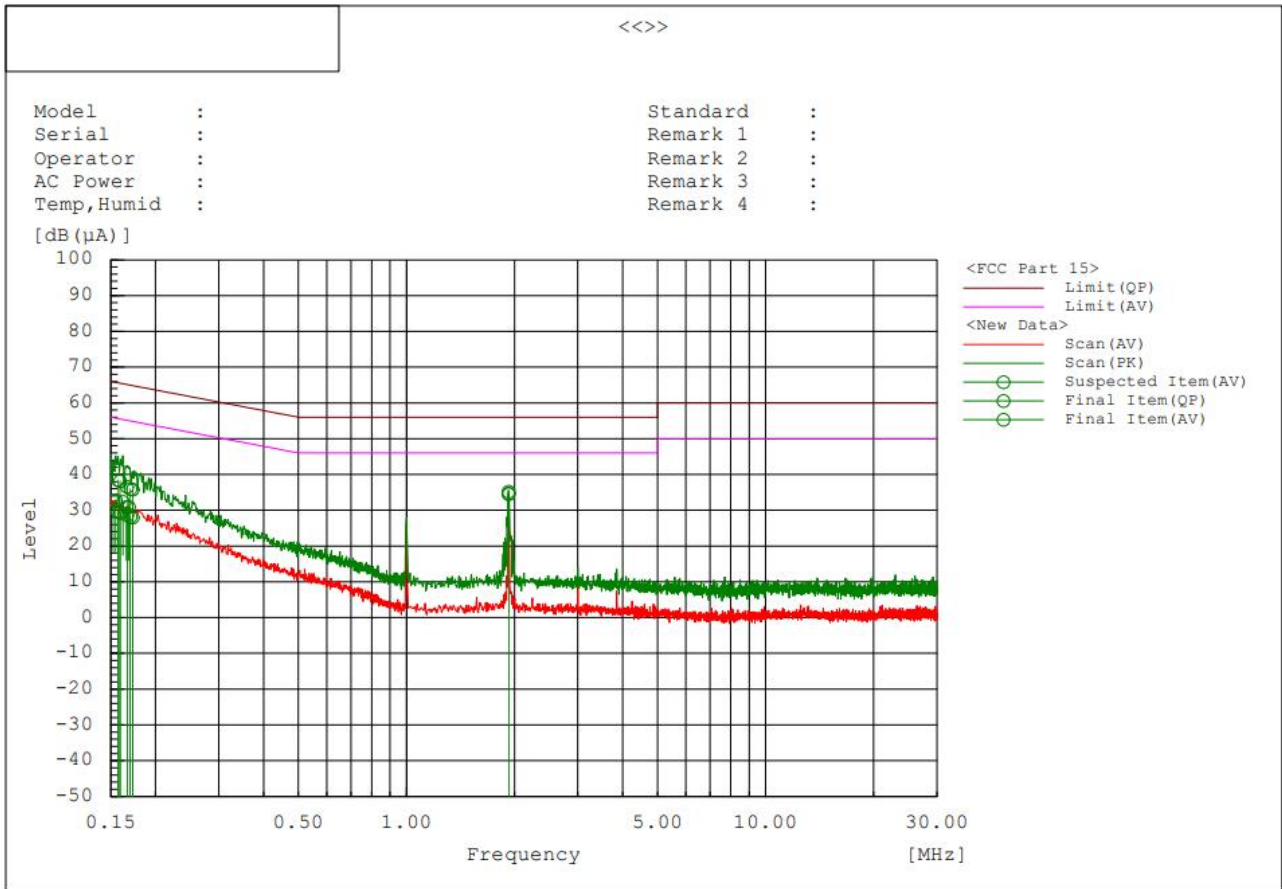
Frequency Range: 6GHz -18GHz

Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T
Full Spectrum



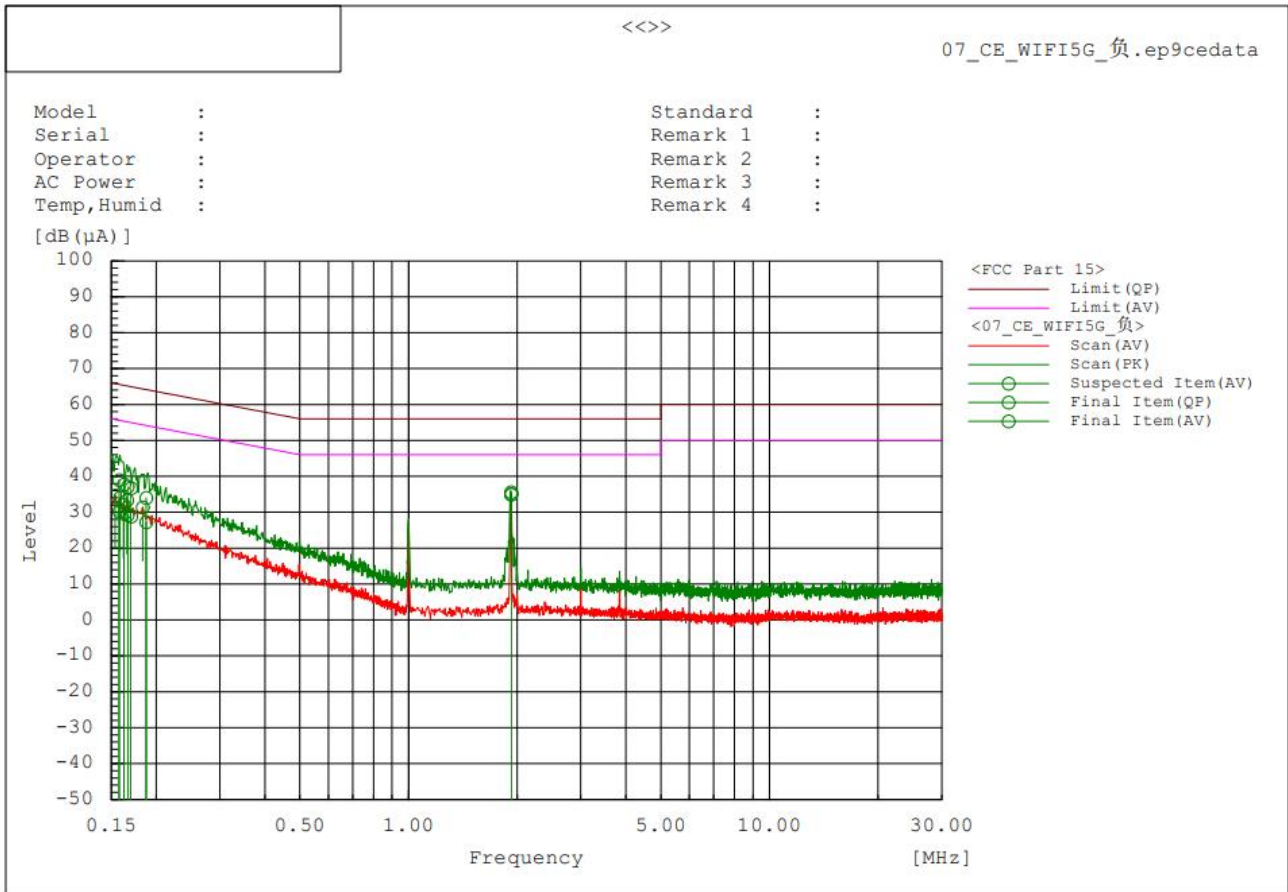
Frequency Range: 18GHz -40GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE40:26T

AC Power line Conducted Emission



Final Result

No.	Frequency [MHz]	Meas. Position	Reading		c.f [dB]	Result		Limit		Margin	
			QP [dB (μV)]	AV [dB (μV)]		QP [dB (μA)]	AV [dB (μA)]	QP [dB (μA)]	AV [dB (μA)]	QP [dB]	AV [dB]
1	0.157		23.3	14.4	15.2	38.5	29.6	65.6	55.6	27.1	26.0
2	0.159		23.0	14.3	15.1	38.1	29.4	65.5	55.5	27.4	26.1
3	0.167		21.8	13.9	14.7	36.5	28.6	65.1	55.1	28.6	26.5
4	0.170		21.5	13.7	14.5	36.0	28.2	64.9	54.9	28.9	26.7
5	0.173		21.4	13.6	14.4	35.8	28.0	64.8	54.8	29.0	26.8
6	1.922		32.6	31.9	2.6	35.2	34.5	56.0	46.0	20.8	11.5



Final Result

No.	Frequency [MHz]	Meas. Position	Reading		c.f [dB]	Result		Limit	Limit	Margin [dB]	Margi
			QP [dB (μV)]	AV [dB (μV)]		QP [dB (μA)]	AV [dB (μA)]	QP [dB (μA)]	AV [dB (μA)]		QP [dB]
1	0.158		23.7	15.0	15.2	38.9	30.2	65.6	55.6	26.7	25.4
2	0.163		22.9	14.7	14.9	37.8	29.6	65.3	55.3	27.5	25.7
3	0.167		22.4	14.5	14.7	37.1	29.2	65.1	55.1	28.0	25.9
4	0.170		22.2	14.3	14.5	36.7	28.8	64.9	54.9	28.2	26.1
5	0.188		20.4	13.6	13.6	34.0	27.2	64.1	54.1	30.1	26.9
6	1.924		33.0	32.3	2.6	35.6	34.9	56.0	46.0	20.4	11.1

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