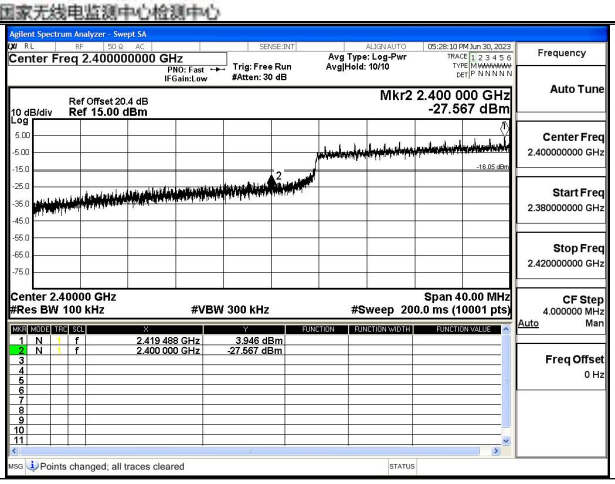
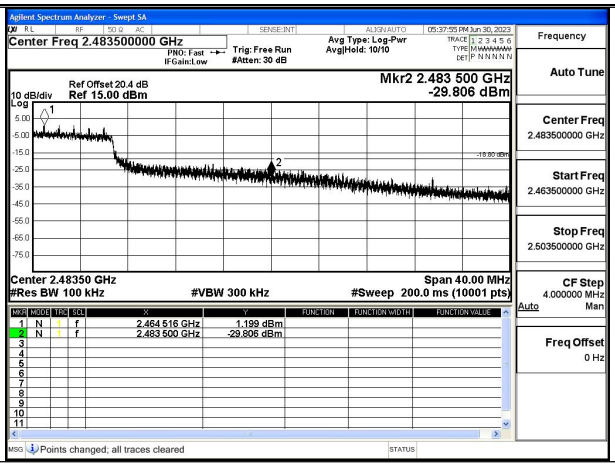
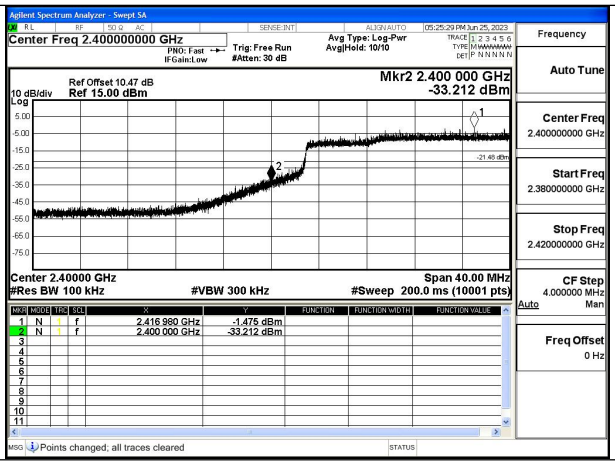


Mode:802.11n HT40 Frequency:2422MHz Ant:Chain1

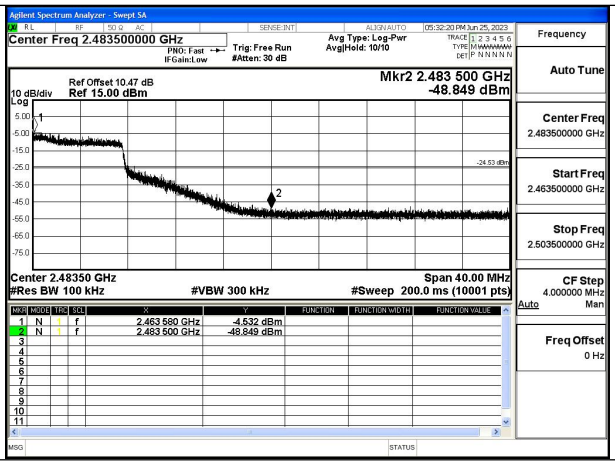


Mode:802.11n HT40 Frequency:2452MHz Ant:Chain1

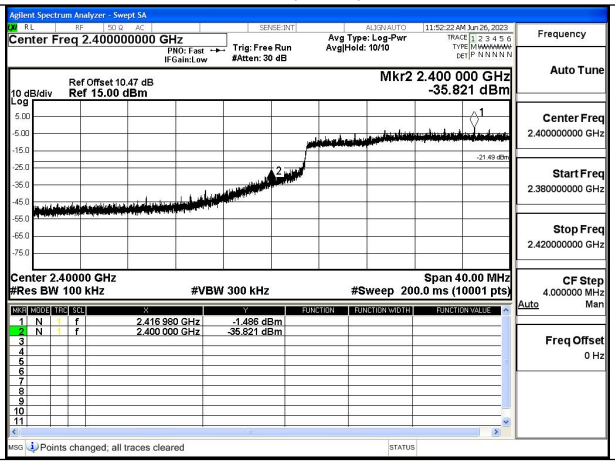
Test Mode: 802.11ax HE40



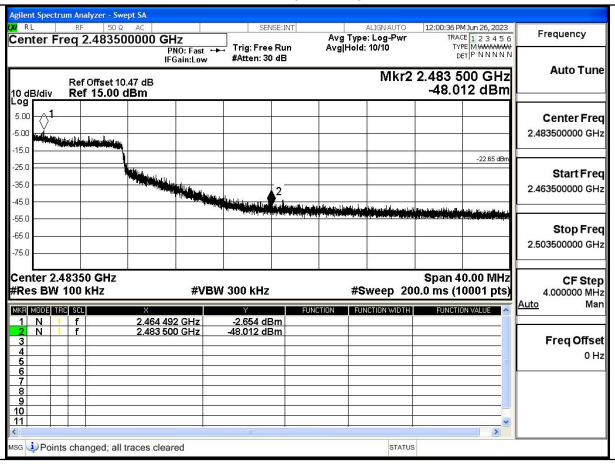
Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain0



Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain0



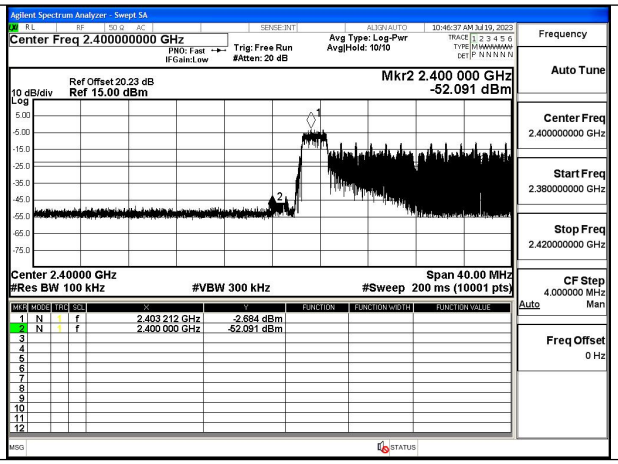
Mode:802.11ax HE40 Frequency:2422MHz Ant:Chain1



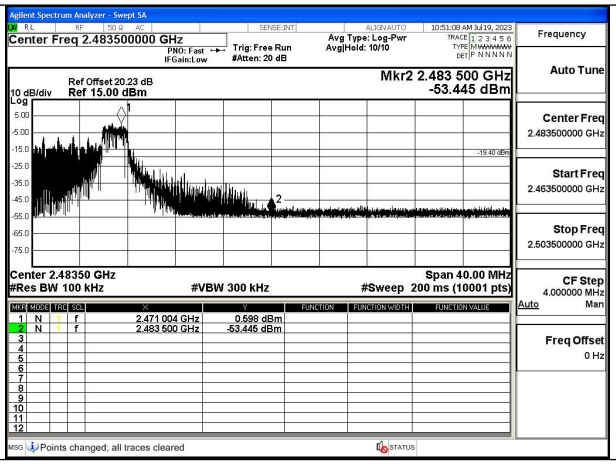
Mode:802.11ax HE40 Frequency:2452MHz Ant:Chain1

Partail RU

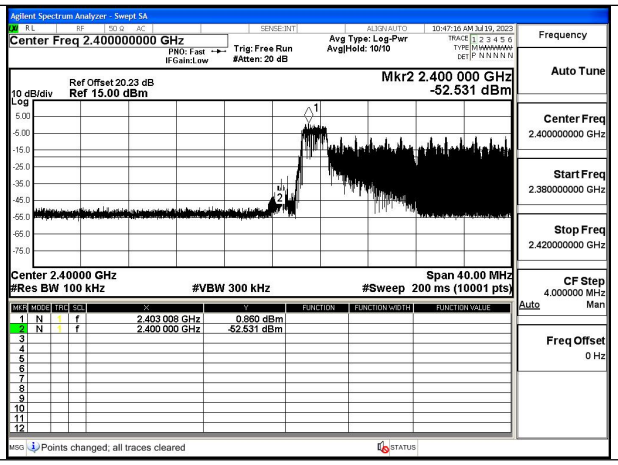
Test Mode: 802.11ax HE20



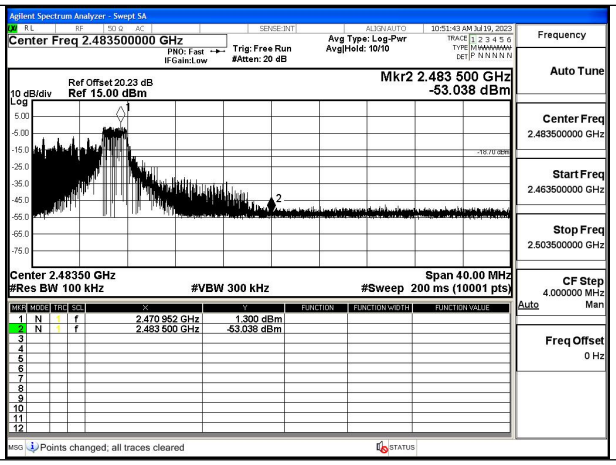
Mode:802.11ax HE20 RU:26T Frequency:2412MHz 2412MHz Ant:Chain0



Mode:802.11ax HE20 RU:26T Frequency:2412MHz 2462MHz Ant:Chain0

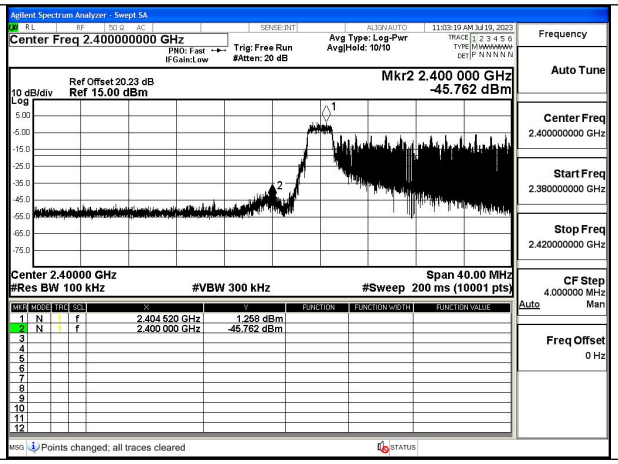


Mode:802.11ax HE20 RU:26T Frequency:2412MHz 2412MHz Ant:Chain1

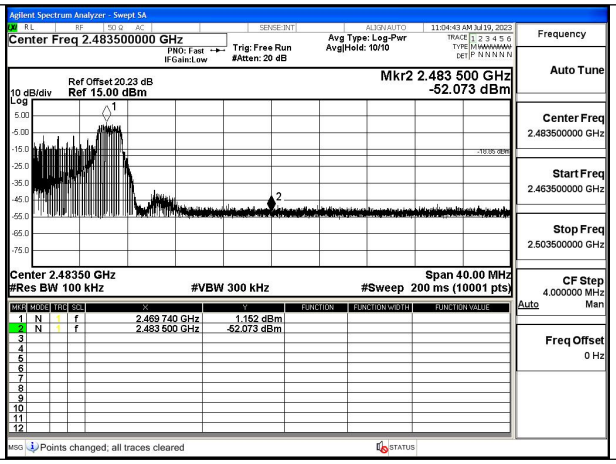


Mode:802.11ax HE20 RU:26T Frequency:2412MHz 2462MHz Ant:Chain1

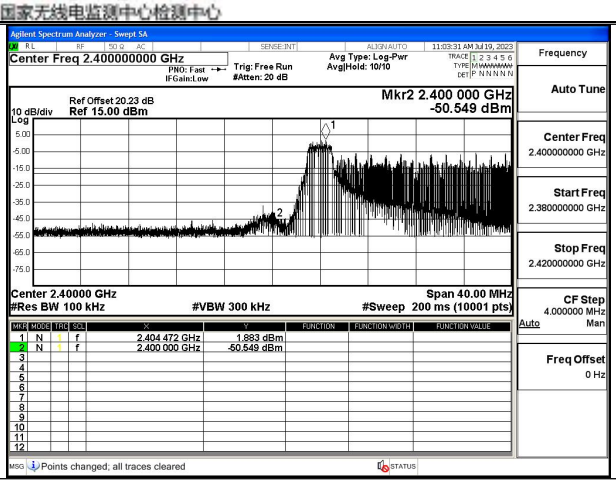
Test Mode: 802.11ax HE40



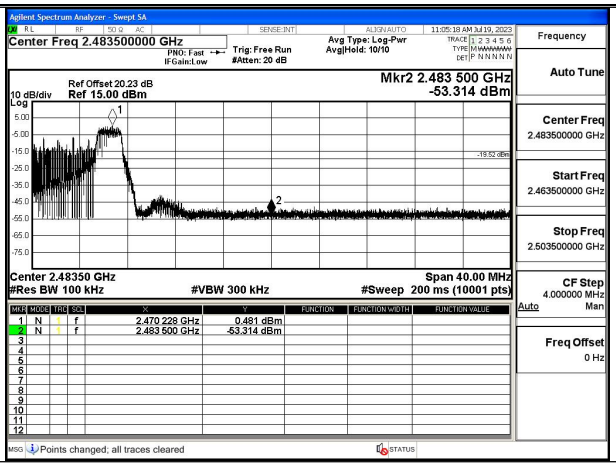
Mode:802.11ax HE40 RU:26T Frequency:2412MHz 2422MHz Ant:Chain0



Mode:802.11ax HE40 RU:26T Frequency:2412MHz 2452MHz Ant:Chain0



Mode:802.11ax HE40 RU:26T Frequency:2412MHz 2422MHz Ant:Chain1



Mode:802.11ax HE40 RU:26T Frequency:2412MHz 2452MHz Ant:Chain1

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.

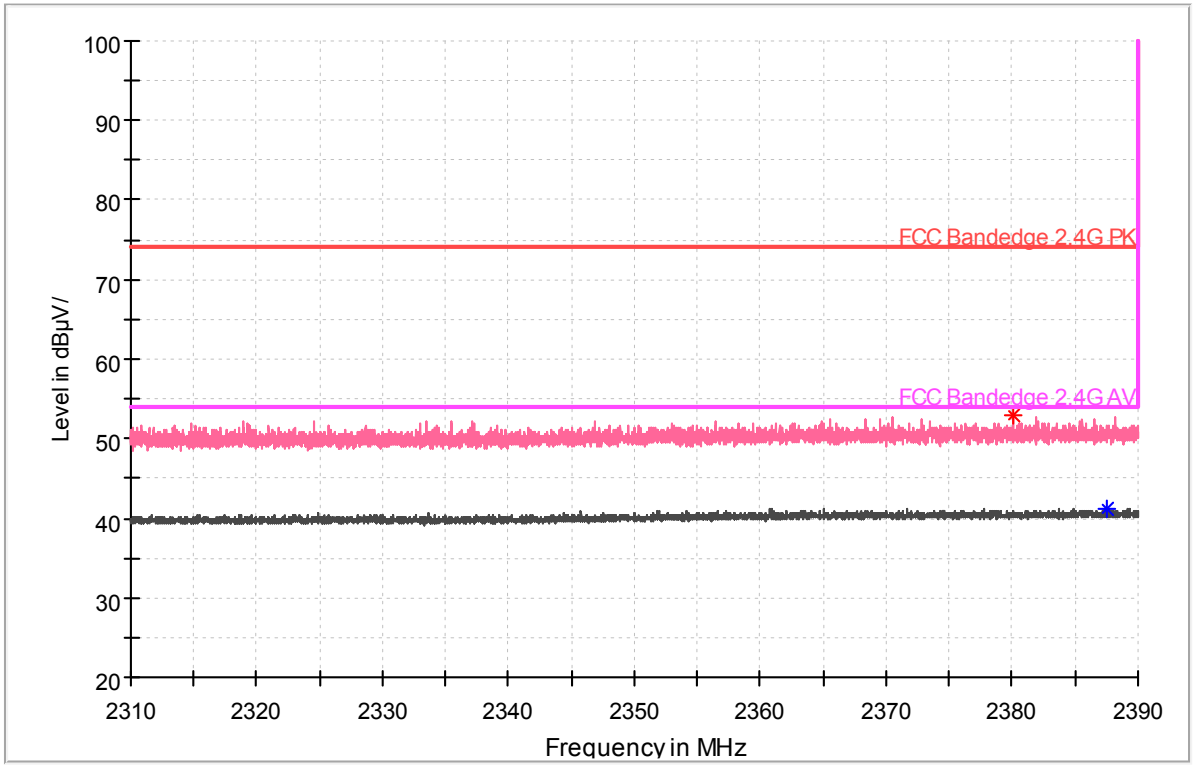
Note4: Accordingto PSD comparison, the worst case for 11b、11g、11n and 11ax full RU is 11b, so 11b results are reflected in the report.

Note5: Accordingto 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:Accordingto PSD comparison, the worst case for 11ax partial RU is HE20:26 Tone, so 26 Tone results are reflected in the report.

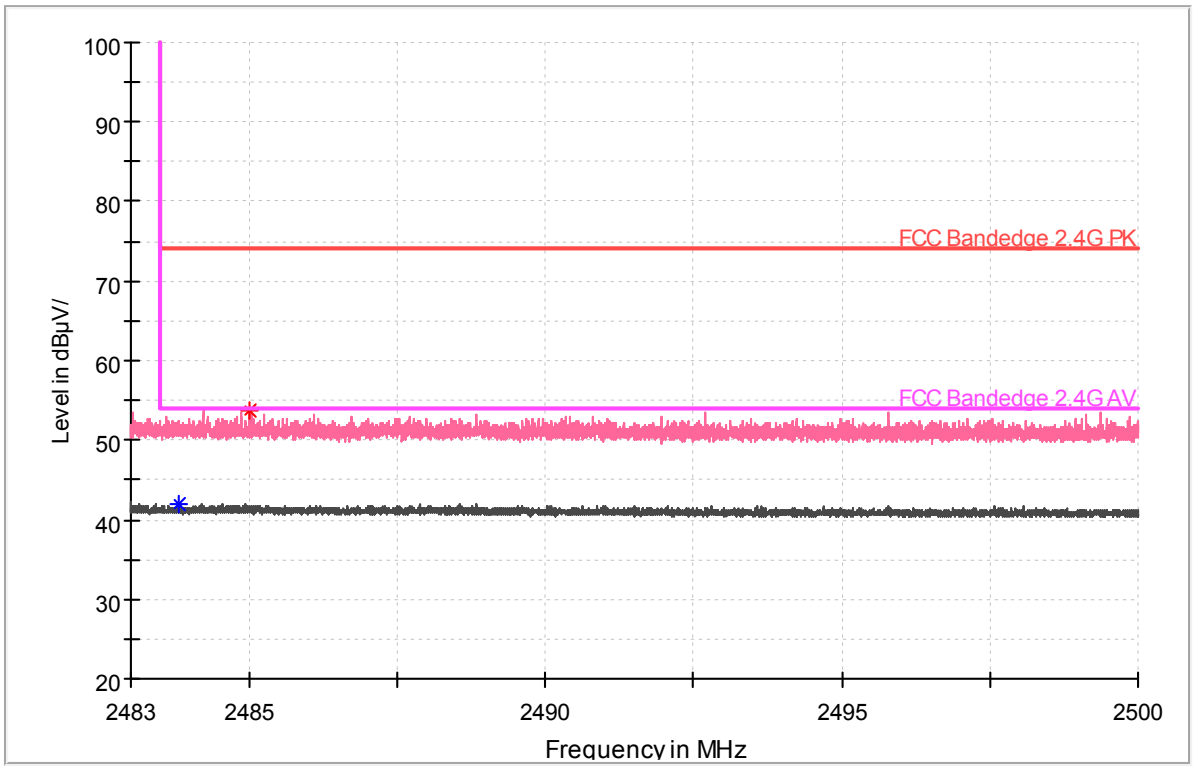
Radiated Emission : unwanted emission

After comparison the worst case attitude is EUT vertical.

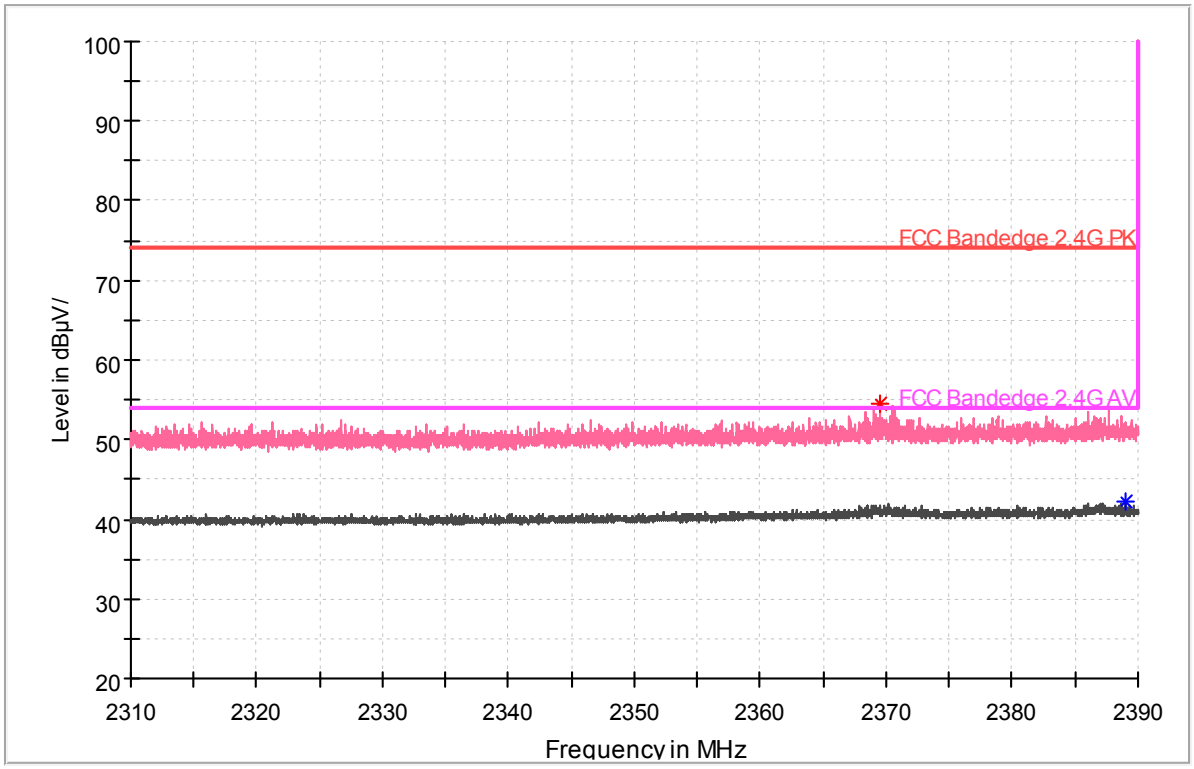


Radiated Emission Band Edge
Channel No.:1

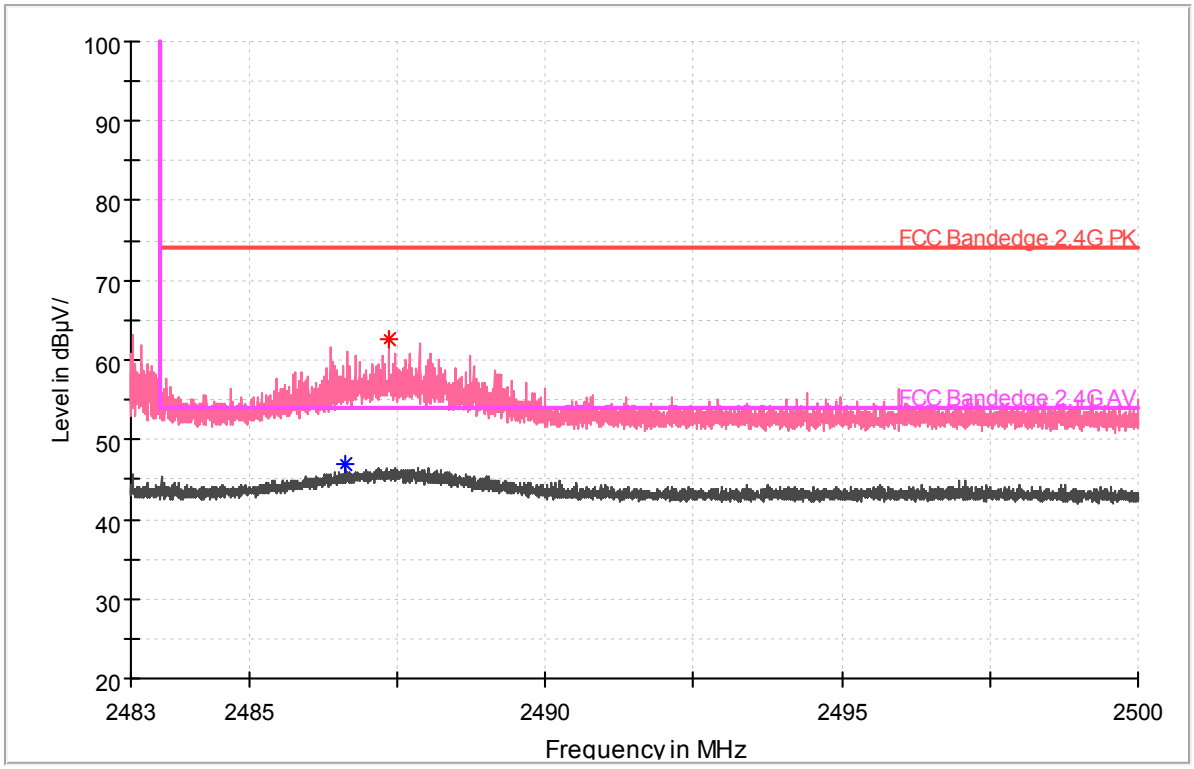
Test Mode: 802.11b (ANT0)
Polarization：V



Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11b(ANT0)
Polarization：V

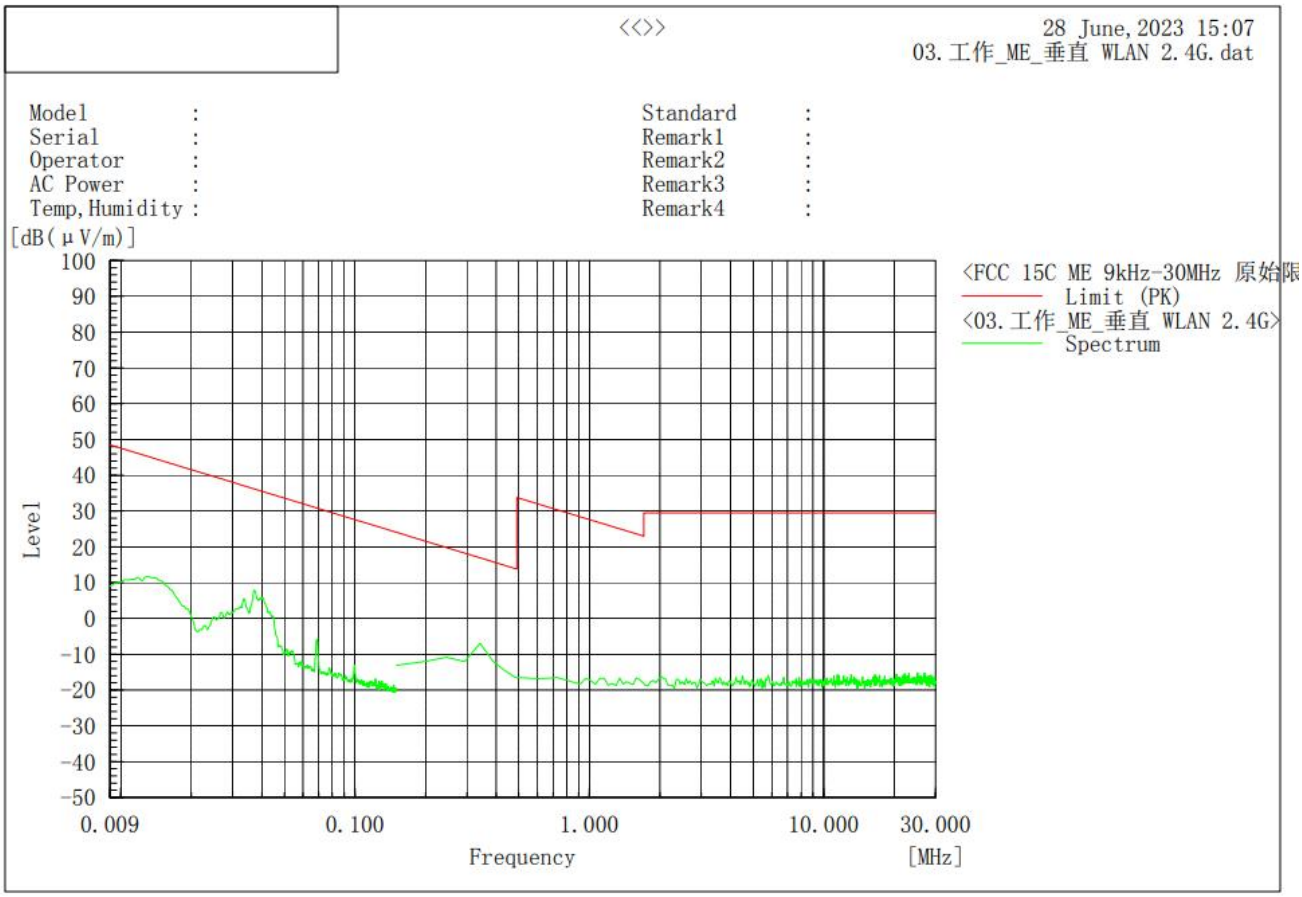


Radiated Emission Band Edge
Channel No.:1
Test Mode: 802.11ax HE20:26T
Polarization：V



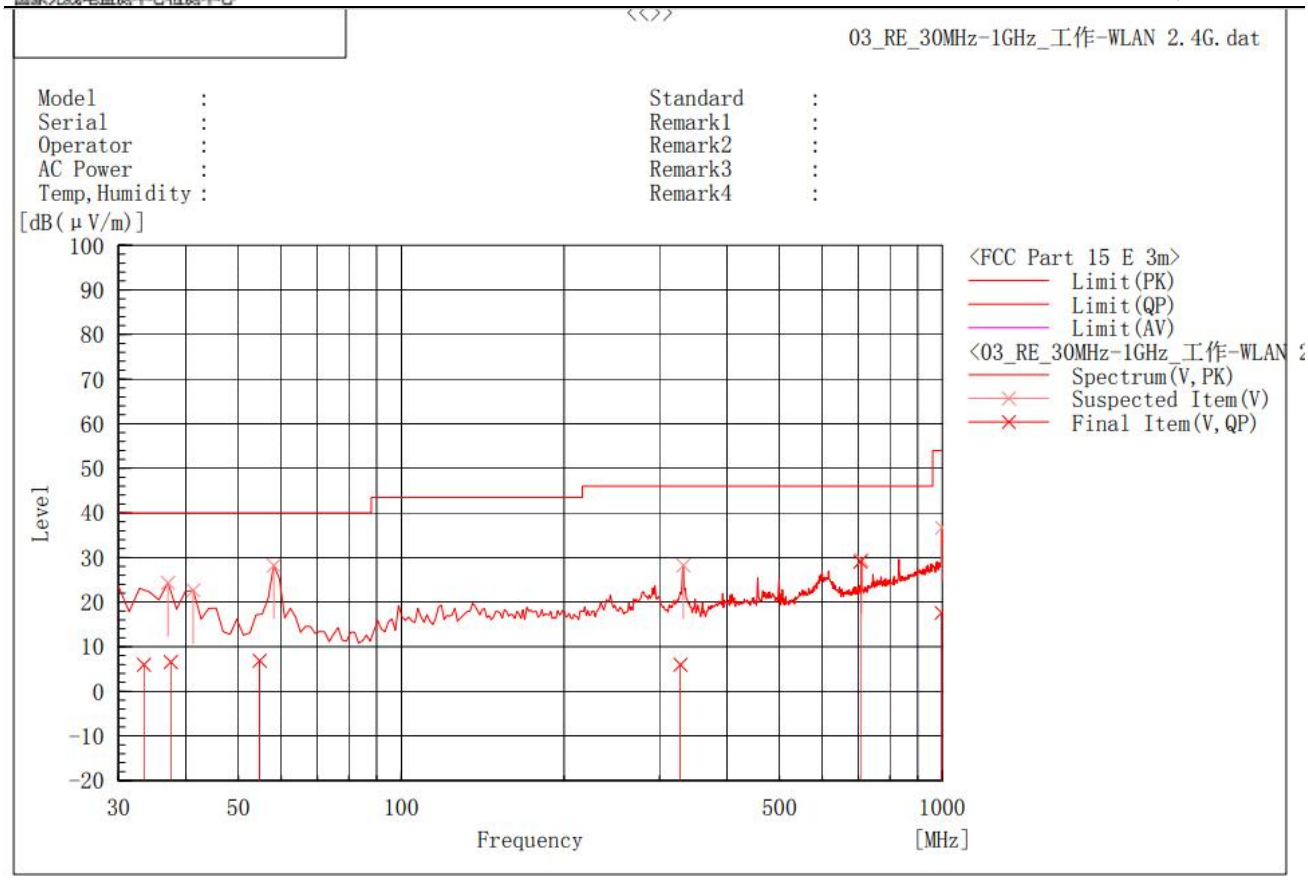
Radiated Emission Band Edge
Channel No.:11
Test Mode: 802.11ax HE20:26T
Polarization：V

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.



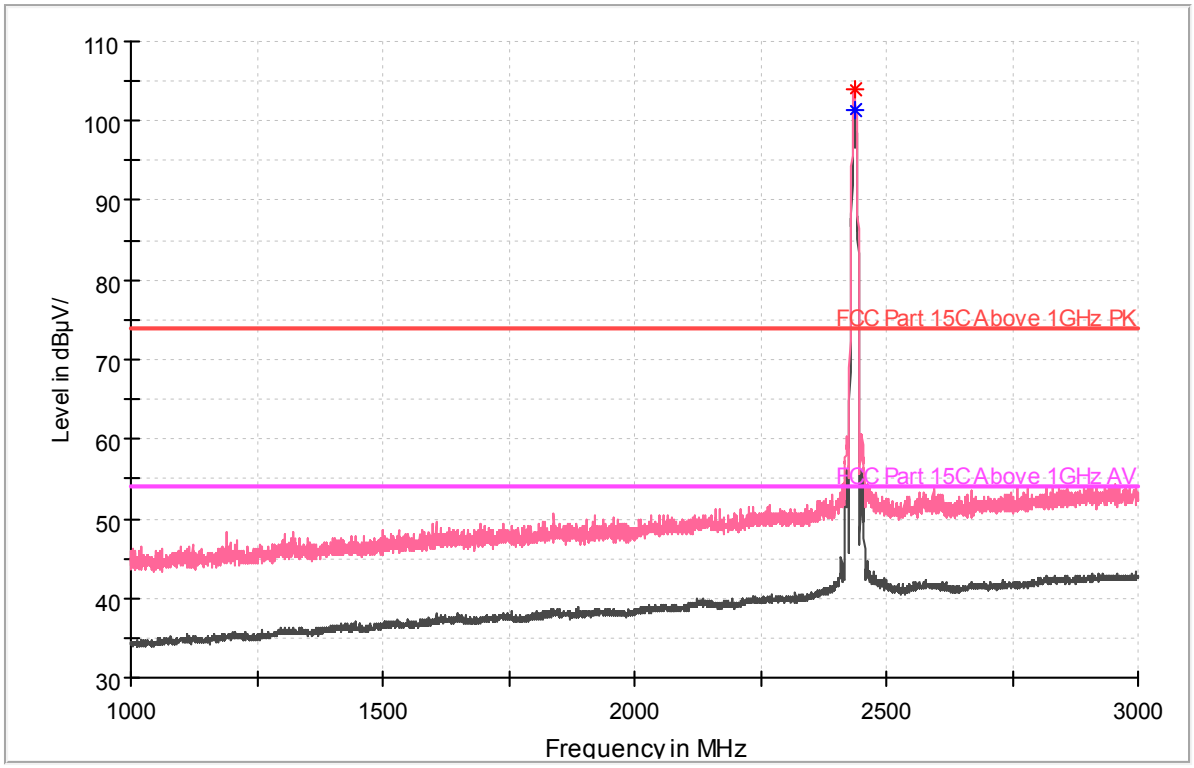
Final Result

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	33.435	V	20.3	-14.3	6.0	40.0	34.0	107.0	350.9	
2	37.456	V	19.9	-13.3	6.6	40.0	33.4	102.0	9.3	
3	54.677	V	19.4	-12.5	6.9	40.0	33.1	104.0	328.5	
4	328.133	V	16.0	-10.0	6.0	46.0	40.0	108.0	67.5	
5	705.168	V	32.2	-3.1	29.1	46.0	16.9	109.0	190.7	
6	997.062	V	14.8	2.8	17.6	54.0	36.4	102.0	93.7	

Frequency Range30MHz -1GHz
Detector: Av mode and PK mode
Modulation type: 802.11b

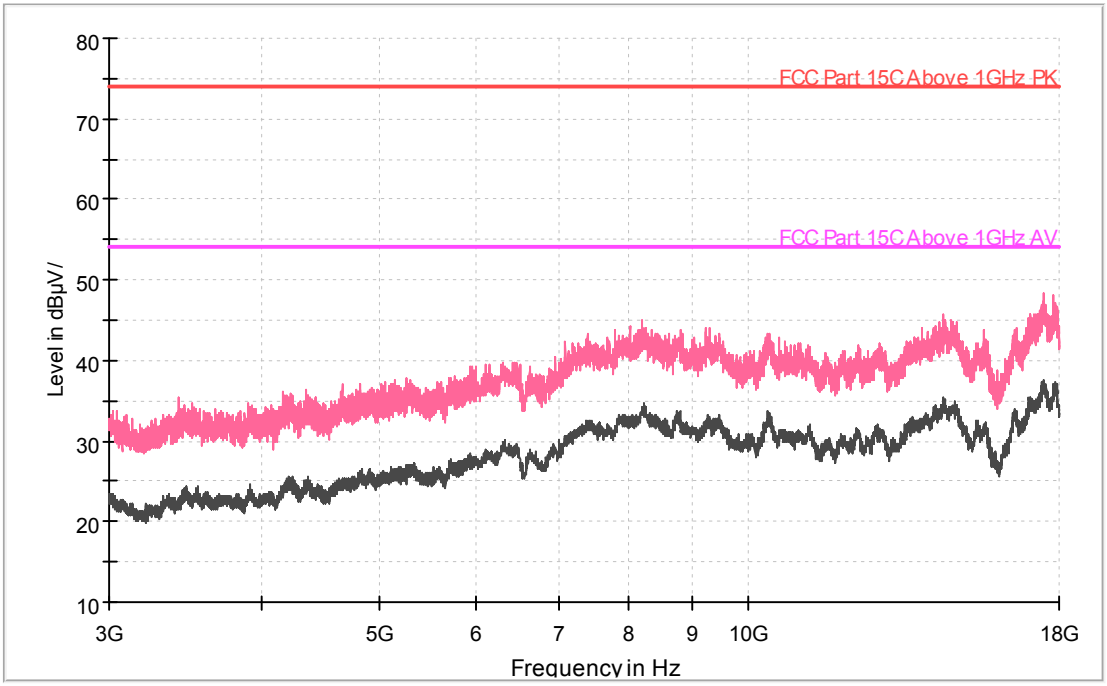
Note：The relevant tests have been performed in order to verify in which mode would have the worst features, the result show above is the worst case.

Carrier frequency (MHz): 2437
Channel No.:6

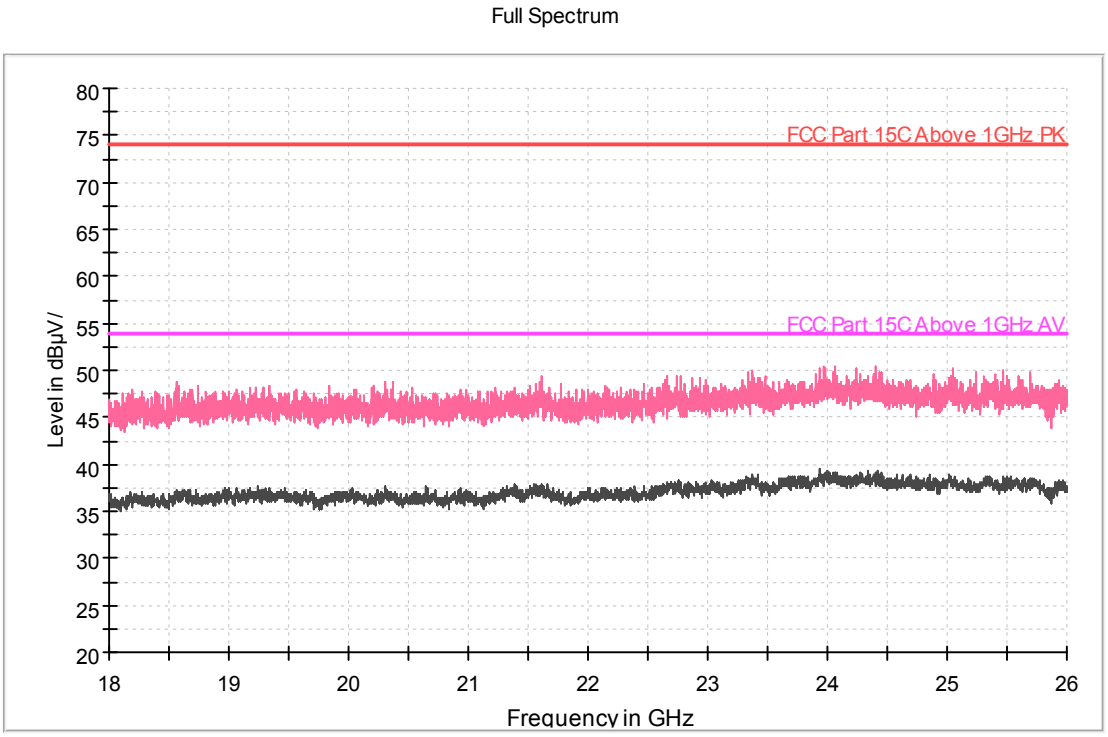


Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(ANT0)

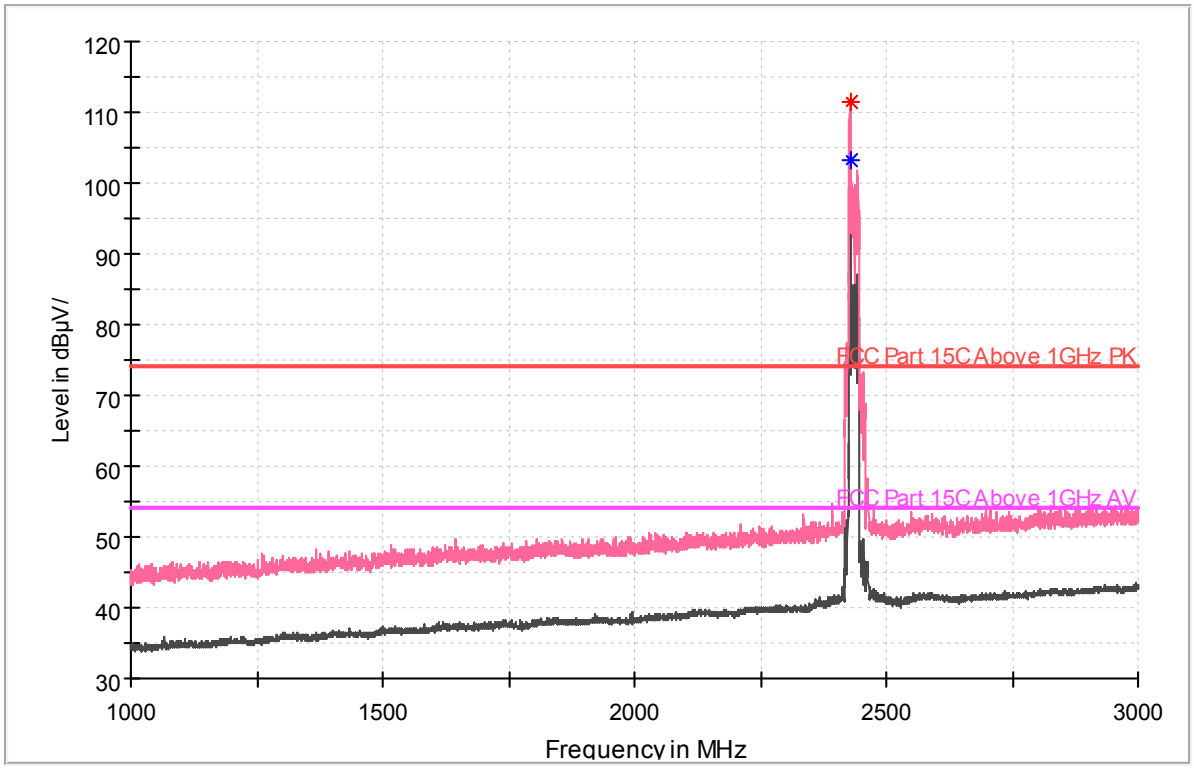
Full Spectrum



Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(ANT0)

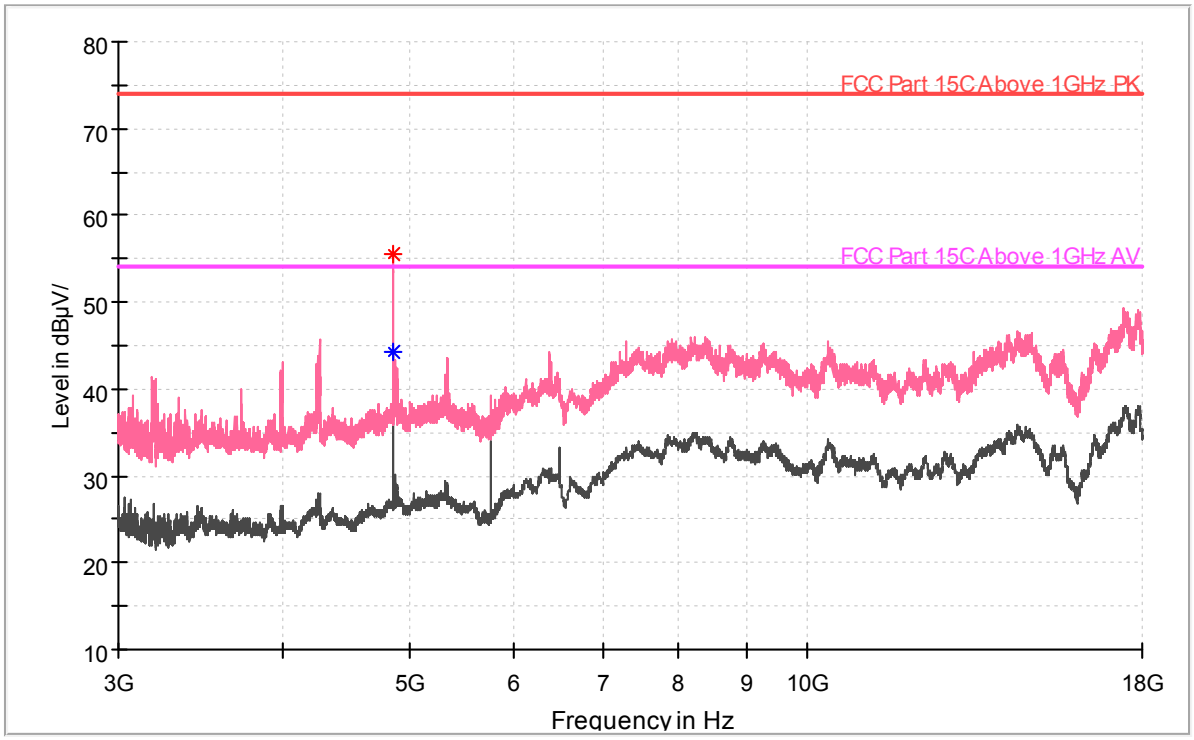


Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11b(ANT0)



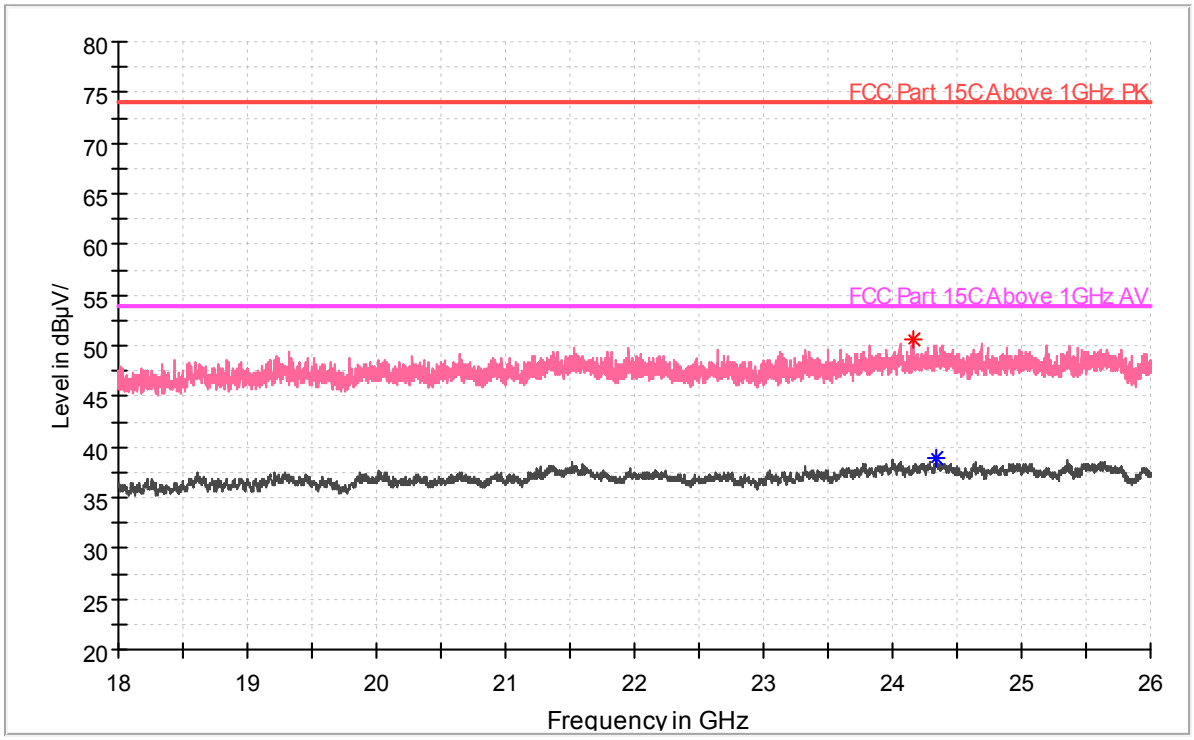
Frequency Range: 1GHz -3GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE20:26T

Full Spectrum



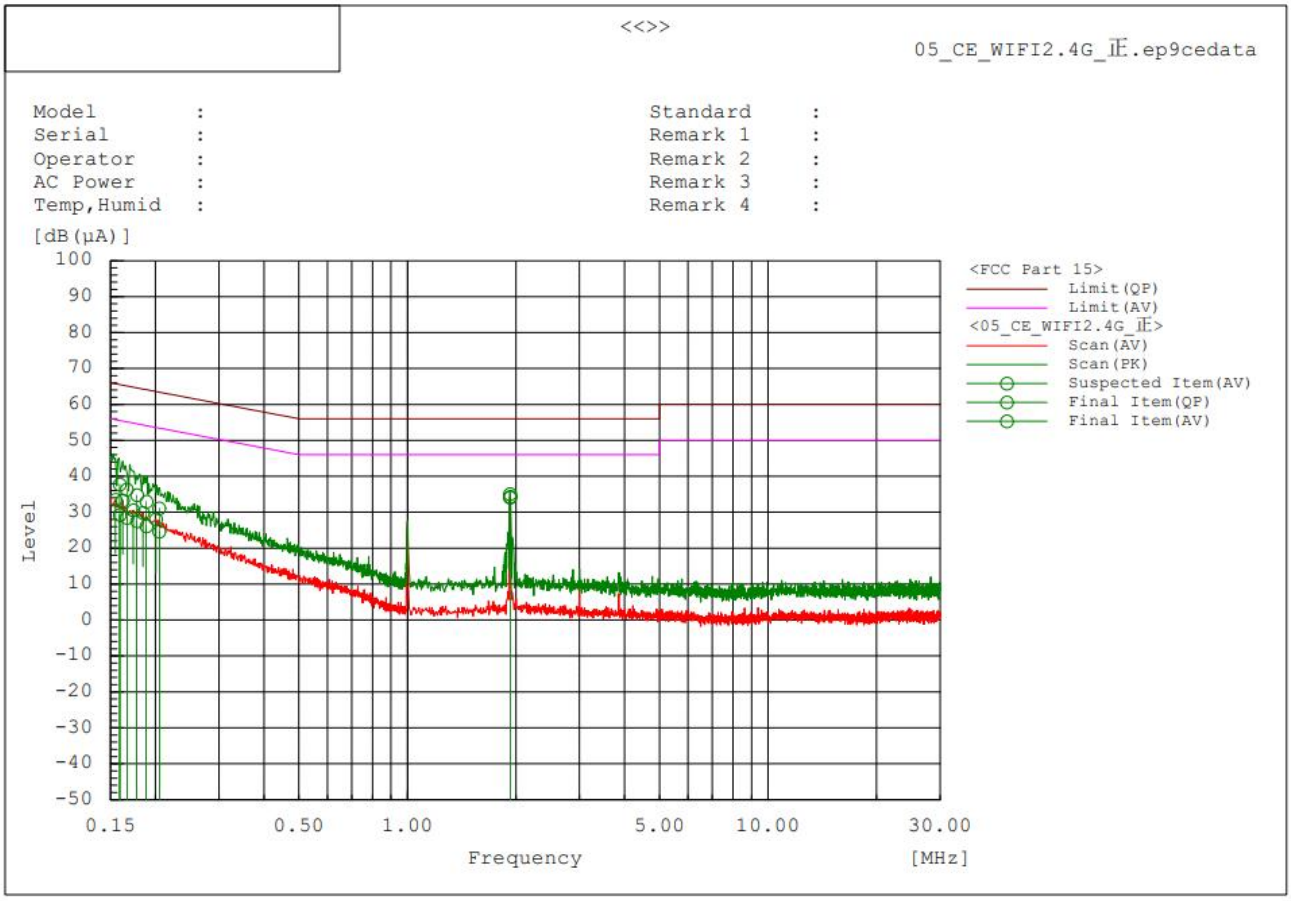
Frequency Range: 3GHz -18GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE20:26T

Full Spectrum



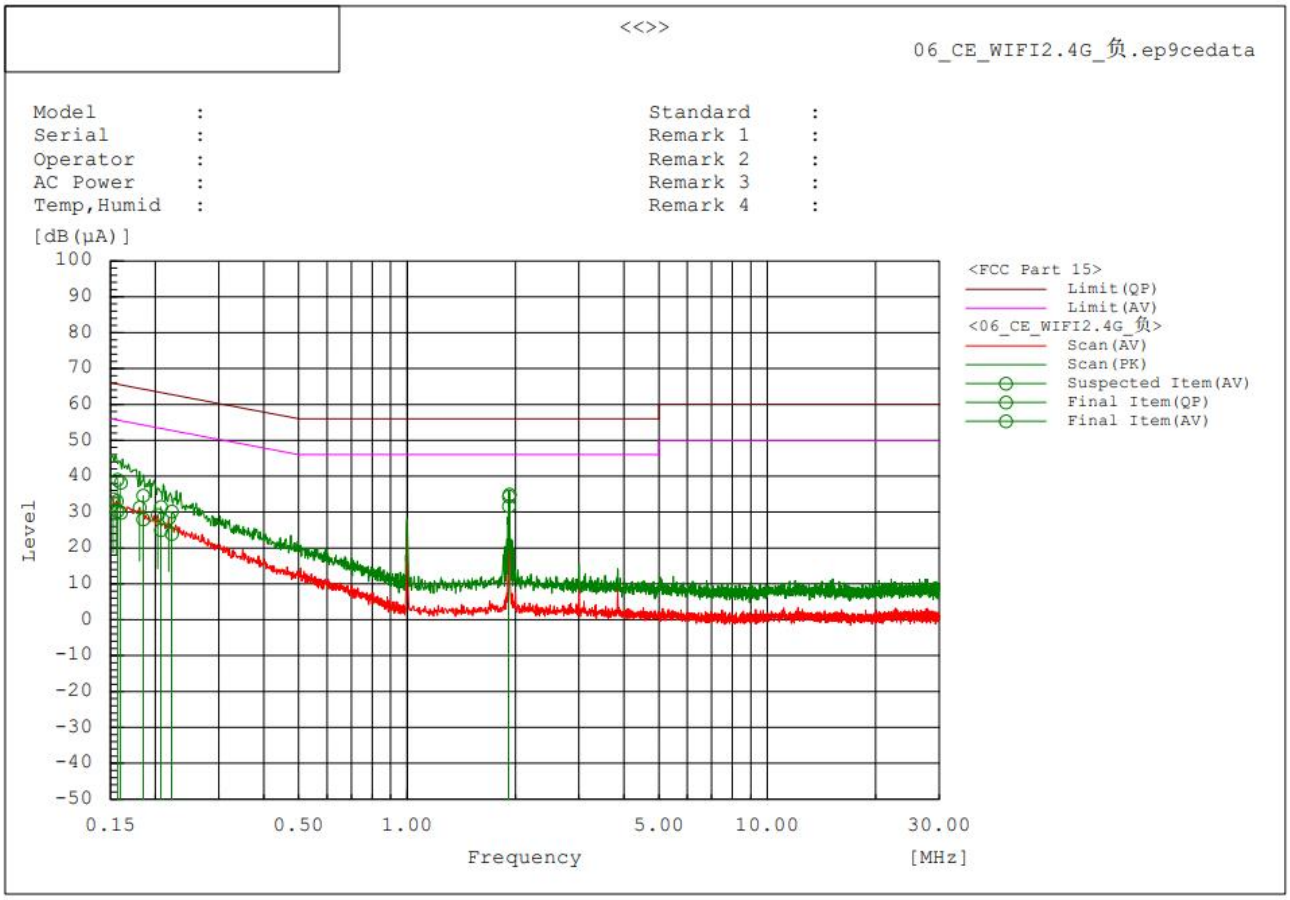
Frequency Range: 18GHz -26GHz
Detector: Av mode and PK mode
Modulation type: 802.11ax HE20:26T

AC Power line Conducted Emission



Final Result

No.	Frequency [MHz]	Meas. Position	Reading QP [dB(µV)]	Reading AV [dB(µV)]	c.f [dB]	Result QP [dB(µA)]	Result AV [dB(µA)]	Limit QP [dB(µA)]	Limit AV [dB(µA)]	Margin QP [dB]	Margi AV [dB]
1	0.159		22.7	14.2	15.1	37.8	29.3	65.5	55.5	27.7	26.2
2	0.167		21.6	13.8	14.7	36.3	28.5	65.1	55.1	28.8	26.6
3	0.178		20.7	13.4	14.1	34.8	27.5	64.6	54.6	29.8	27.1
4	0.189		19.5	12.7	13.5	33.0	26.2	64.1	54.1	31.1	27.9
5	0.205		18.3	11.8	12.8	31.1	24.6	63.4	53.4	32.3	28.8
6	1.922		32.5	31.5	2.6	35.1	34.1	56.0	46.0	20.9	11.9



Final Result

No.	Frequency [MHz]	Meas. Position	Reading QP [dB(μV)]	Reading AV [dB(μV)]	c.f [dB]	Result QP [dB(μA)]	Result AV [dB(μA)]	Limit QP [dB(μA)]	Limit AV [dB(μA)]	Margin QP [dB]	Margi AV [dB]
1	0.157		23.8	15.0	15.2	39.0	30.2	65.6	55.6	26.6	25.4
2	0.160		23.2	14.8	15.0	38.2	29.8	65.4	55.4	27.2	25.6
3	0.185		20.9	14.3	13.7	34.6	28.0	64.3	54.3	29.7	26.3
4	0.207		18.8	12.3	12.7	31.5	25.0	63.3	53.3	31.8	28.3
5	0.222		18.1	11.8	12.1	30.2	23.9	62.7	52.7	32.5	28.8
6	1.916		31.8	29.1	2.6	34.4	31.7	56.0	46.0	21.6	14.3

---End of the test report---