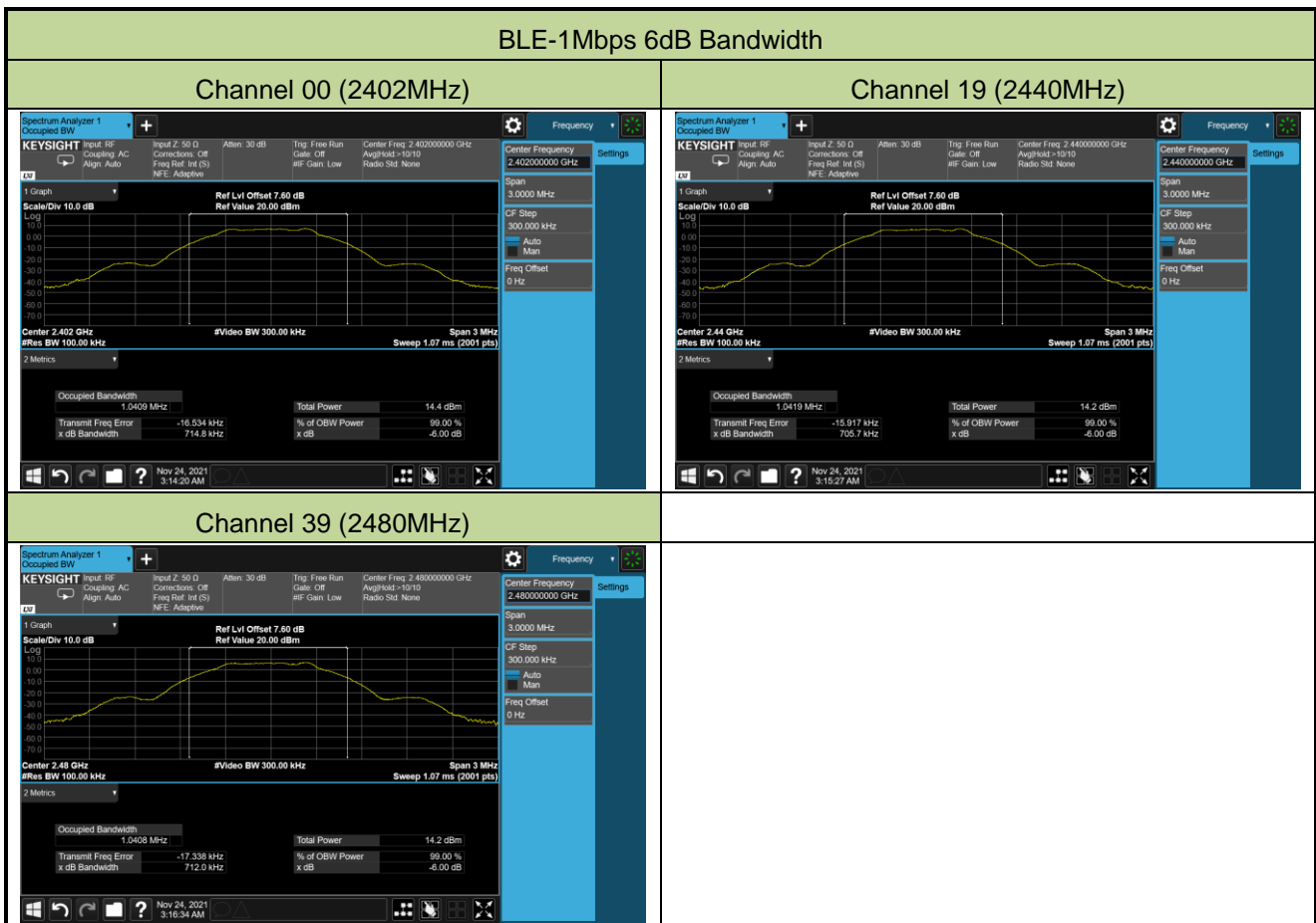


## Appendix A – Test Result

### A.1 6dB Bandwidth Test Result

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2021/11/24		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	6dB Bandwidth (MHz)	Limit (MHz)
BLE	1Mbps	00	2402	0.715	≥ 0.5
BLE	1Mbps	19	2440	0.706	≥ 0.5
BLE	1Mbps	39	2480	0.712	≥ 0.5



**A.2 Output Power Test Result**

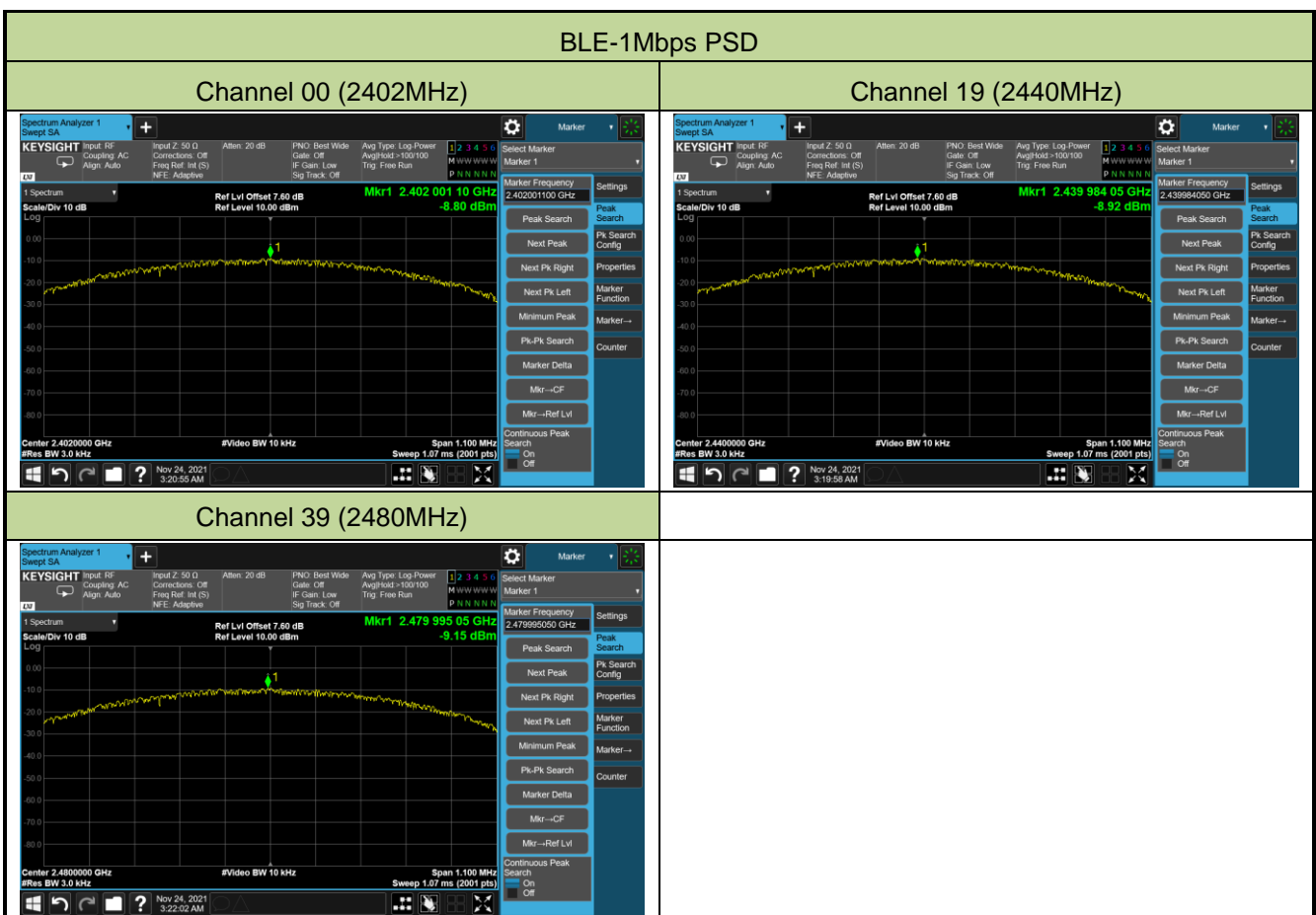
Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2021/11/24		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	Peak Power (dBm)	Limit (dBm)	Result
<b>Peak Output Power</b>						
BLE	1Mbps	00	2402	7.58	≤ 30.00	Pass
BLE	1Mbps	19	2440	7.45	≤ 30.00	Pass
BLE	1Mbps	39	2480	7.34	≤ 30.00	Pass
<b>Average Output Power (Reporting Only)</b>						
BLE	1Mbps	00	2402	6.99	≤ 30.00	Pass
BLE	1Mbps	19	2440	7.35	≤ 30.00	Pass
BLE	1Mbps	39	2480	7.23	≤ 30.00	Pass

**A.3 Power Spectral Density Test Result**

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2021/11/24		

Test Mode	Data Rate	Channel No.	Frequency (MHz)	PSD Result (dBm / 3kHz)	Limit (dBm / 3kHz)	Result
BLE	1Mbps	00	2402	-8.80	≤ 8.00	Pass
BLE	1Mbps	19	2440	-8.92	≤ 8.00	Pass
BLE	1Mbps	39	2480	-9.15	≤ 8.00	Pass



**A.4 Conducted Band Edge and Out-of-Band Emissions Test Result**

Test Site	WZ-SR5	Test Engineer	Liz Yuan
Test Date	2021/11/24		

Test Mode	Data Rate / Mbps	Channel No.	Frequency (MHz)	Limit (dBc)	Result
BLE	1	00	2402	20	Pass
BLE	1	19	2440	20	Pass
BLE	1	39	2480	20	Pass



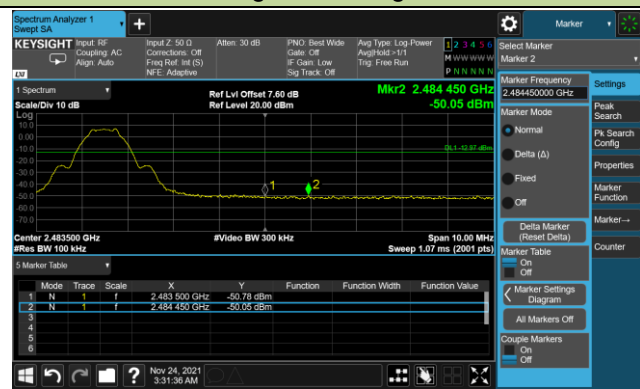
Channel 19 (2440MHz)

Spurious Emission (30MHz ~ 25GHz)



Channel 39 (2480MHz)

High Band Edge



Spurious Emission (30MHz ~ 25GHz)



**A.5 Radiated Spurious Emission Test Result**

Test Site	WZ-AC2	Test Engineer	Kin Xia
Test Date	2021/11/21	Test Mode	BLE
Remark	1. Average measurement was not performed if peak level lower than average limit. 2. Other frequency was 20dB below limit line within 1-18GHz, there is not show in the report.		

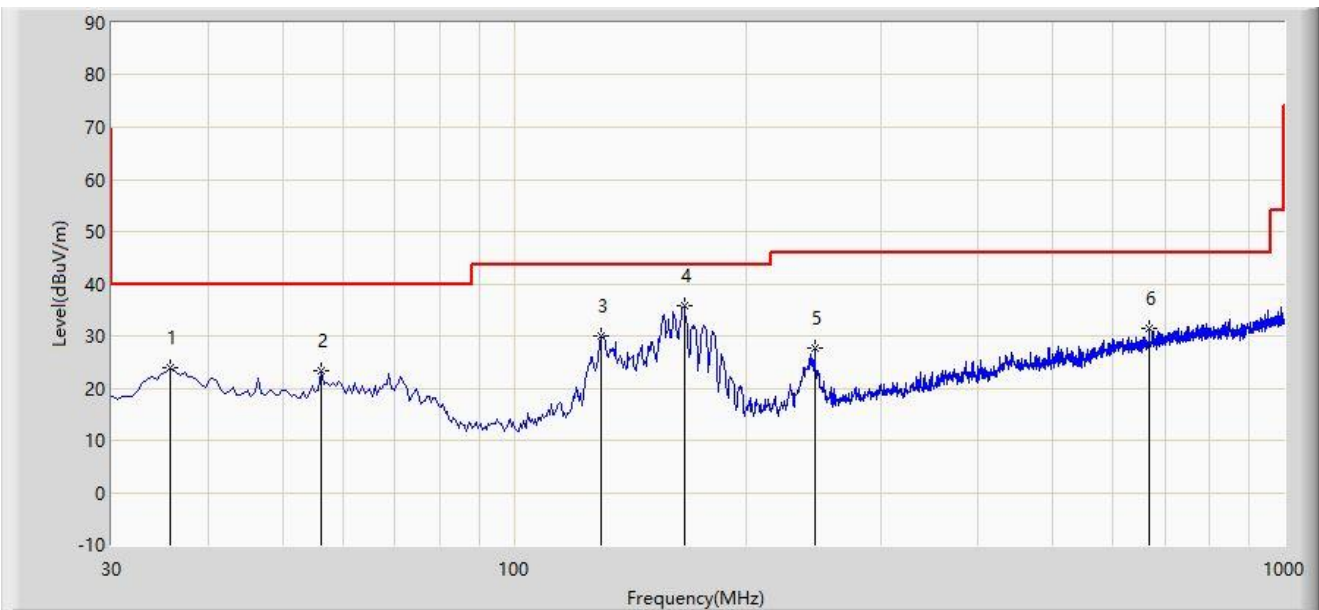
Test Channel	Frequency (MHz)	Reading Level (dBμV)	Factor (dB/m)	Measure Level (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Detector	Polarization
01	4804.0	45.2	4.0	49.2	54.0	-4.8	Average	Horizontal
	4808.0	49.5	4.0	53.5	74.0	-20.5	Peak	Horizontal
	9160.0	31.0	14.4	45.4	74.0	-28.6	Peak	Horizontal
	11200.0	30.9	17.6	48.5	74.0	-25.5	Peak	Horizontal
	4804.3	44.6	4.0	48.6	54.0	-5.4	Average	Vertical
	4808.0	48.9	4.0	52.9	74.0	-21.1	Peak	Vertical
	8148.5	32.1	12.0	44.1	74.0	-29.9	Peak	Vertical
	11523.0	30.1	17.9	48.0	74.0	-26.0	Peak	Vertical
19	4876.0	54.0	3.8	57.8	74.0	-16.2	Peak	Horizontal
	4880.0	49.3	3.7	53.0	54.0	-1.0	Average	Horizontal
	7324.0	37.3	11.4	48.7	74.0	-25.3	Peak	Horizontal
	11123.5	31.6	17.1	48.7	74.0	-25.3	Peak	Horizontal
	4879.0	47.0	3.8	50.8	54.0	-3.2	Average	Vertical
	4884.5	50.3	3.7	54.0	74.0	-20.0	Peak	Vertical
	7315.5	33.7	11.4	45.1	74.0	-28.9	Peak	Vertical
	11072.5	31.2	17.5	48.7	74.0	-25.3	Peak	Vertical
39	4960.0	45.6	3.7	49.3	54.0	-4.7	Average	Horizontal
	4961.0	55.0	3.6	58.6	74.0	-15.4	Peak	Horizontal
	7443.0	33.7	11.8	45.5	74.0	-28.5	Peak	Horizontal
	11361.5	31.0	17.9	48.9	74.0	-25.1	Peak	Horizontal
	4960.0	45.8	3.7	49.5	54.0	-4.5	Average	Vertical
	4961.0	50.5	3.6	54.1	74.0	-19.9	Peak	Vertical
	7443.0	34.0	11.8	45.8	74.0	-28.2	Peak	Vertical
	12101.0	31.7	18.0	49.7	74.0	-24.3	Peak	Vertical

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m) - Pre\_Amplifier Gain (dB)

**The Result of Radiated Emission below 1GHz:**

Site: WZ-AC2	Time: 2021/11/30 - 18:31
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_VULB9162_0.03-7GHz	Polarity: Horizontal
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1			35.820	23.864	5.530	-16.136	40.000	18.334	PK
2			56.190	23.346	3.207	-16.654	40.000	20.139	PK
3			129.425	30.026	14.131	-13.474	43.500	15.895	PK
4		*	166.285	35.815	19.680	-7.685	43.500	16.135	PK
5			245.825	27.696	7.764	-18.304	46.000	19.932	PK
6			667.290	31.333	2.968	-14.667	46.000	28.365	PK

Note 1: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

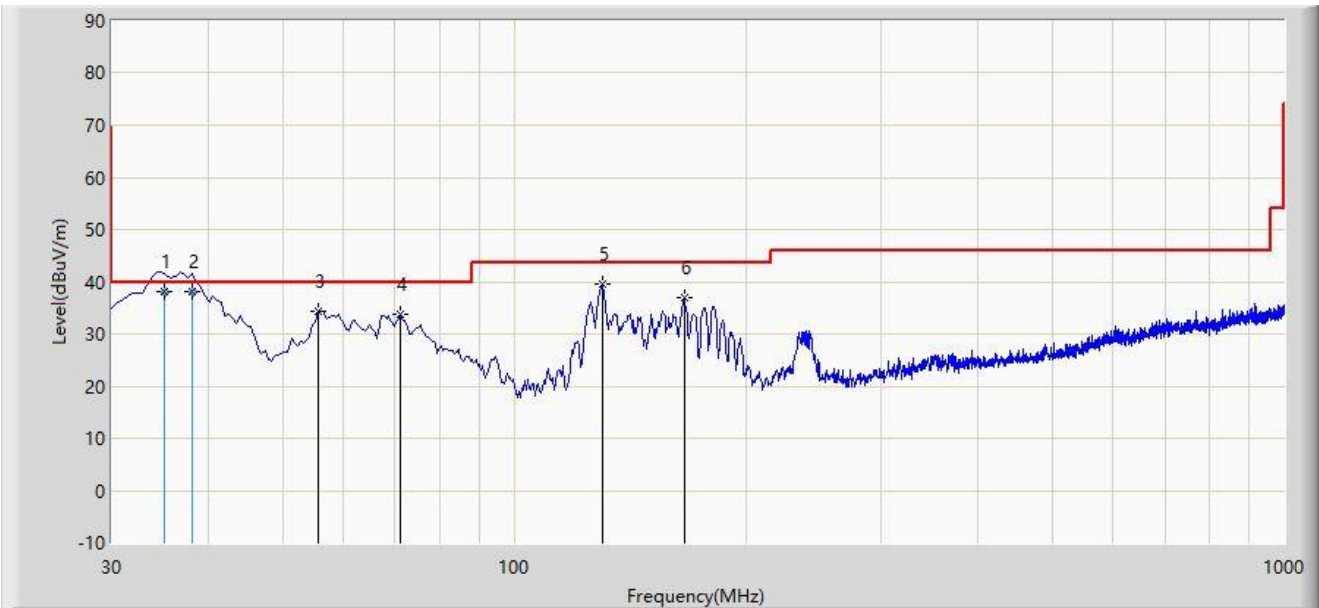
Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.

Site: WZ-AC2	Time: 2021/11/30 - 18:33
Limit: FCC_Part15.209_RSE(3m)	Engineer: Kin Xia
Probe: WZ-AC2_VULB9162_0.03-7GHz	Polarity: Vertical
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBµV/m)	Reading Level (dBµV)	Margin (dB)	Limit (dBµV/m)	Factor (dB/m)	Type
1		*	35.065	38.042	19.900	-1.958	40.000	18.142	QP
2			38.100	38.029	19.100	-1.971	40.000	18.929	QP
3			55.705	34.461	14.262	-5.539	40.000	20.199	PK
4			71.225	33.641	17.470	-6.359	40.000	16.171	PK
5			130.395	39.536	23.733	-3.964	43.500	15.804	PK
6			166.285	36.826	20.691	-6.674	43.500	16.135	PK

Note 1: Measure Level (dBµV/m) = Reading Level (dBµV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Note 2: QP measurement was not performed when peak measure level was lower than the QP limit.

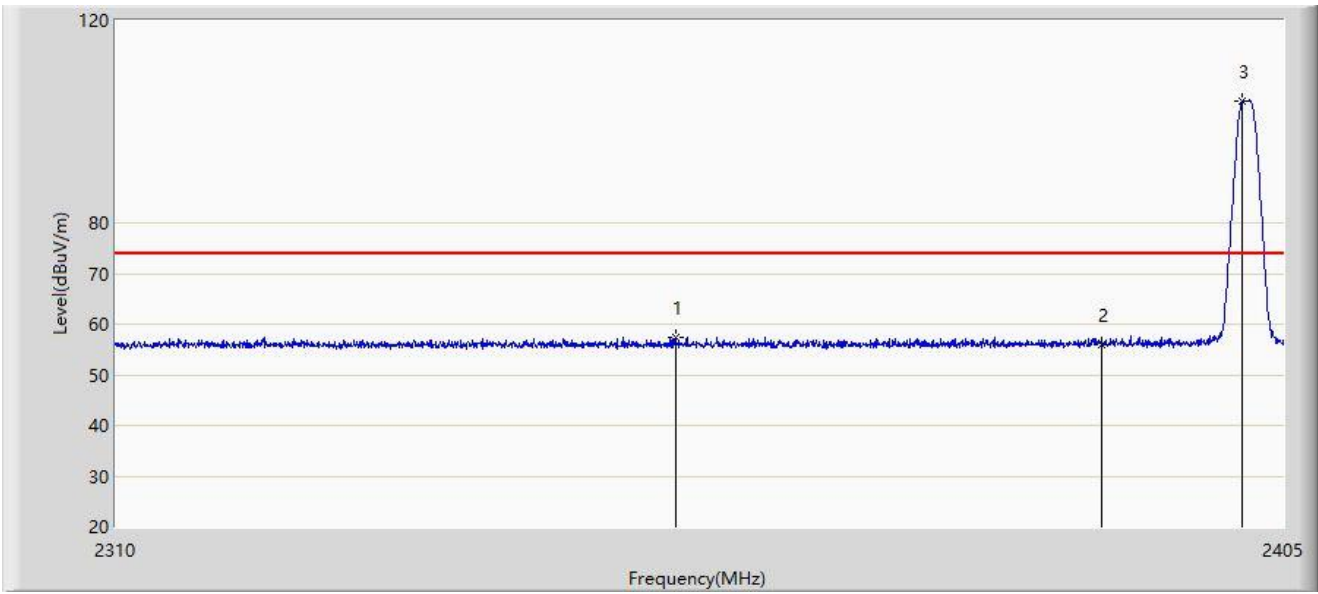
Note 3: The amplitude of radiated emissions (frequency range from 9kHz to 30MHz and 18GHz to 25GHz) is that proximity to ambient noise, which also are attenuated more than 20 dB below the permissible value.

Therefore, the data is not presented in the report.



**A.6 Radiated Restricted Band Edge Test Result**

Site: WZ-AC2	Time: 2021/11/21 - 11:37
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2402MHz	

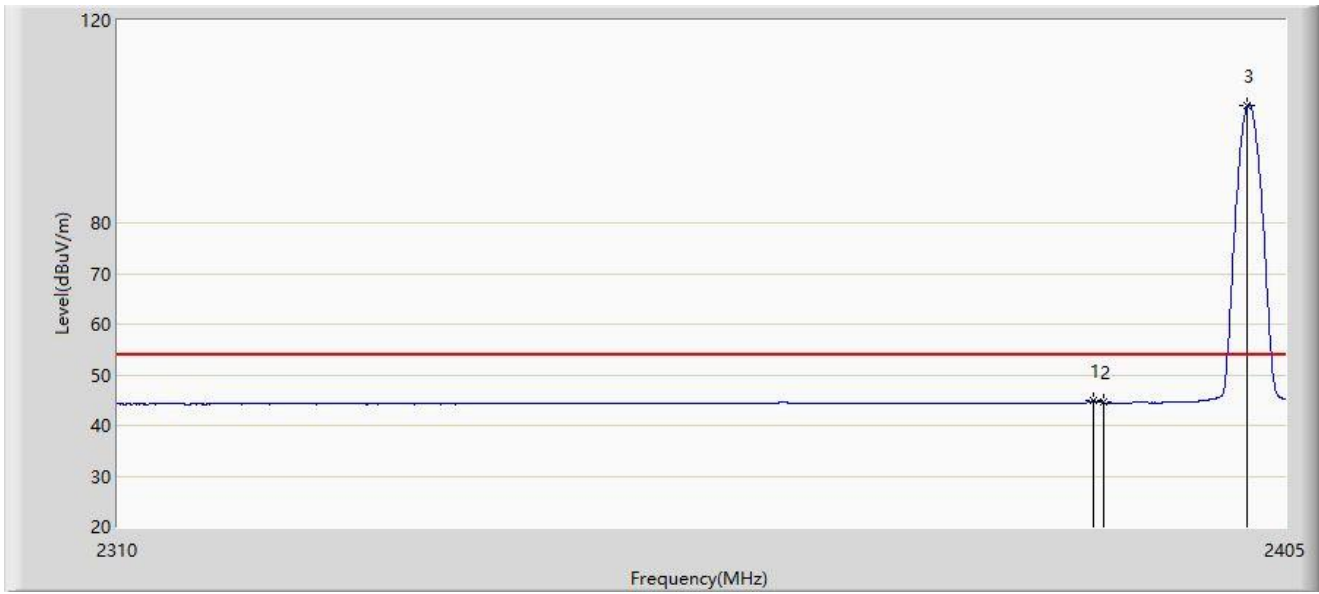


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2355.125	57.437	25.410	-16.563	74.000	32.027	PK
2			2390.000	55.921	23.918	-18.079	74.000	32.003	PK
3		*	2401.627	104.046	72.060	N/A	N/A	31.986	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 11:47
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2402MHz	

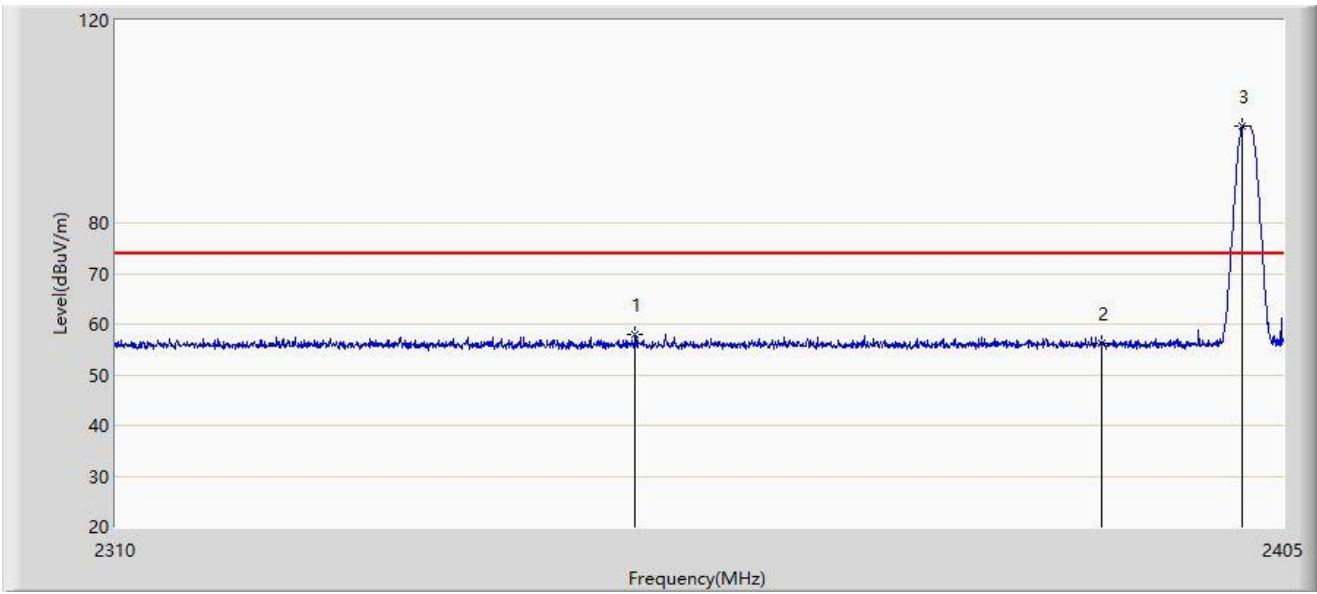


No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V/m)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V/m)	Factor (dB/m)	Type
1			2389.183	44.888	12.883	-9.112	54.000	32.005	AV
2			2390.000	44.531	12.528	-9.469	54.000	32.003	AV
3		*	2401.865	103.124	71.138	N/A	N/A	31.986	AV

Note: Measure Level (dB $\mu$ V/m) = Reading Level (dB $\mu$ V) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 11:49
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2402MHz	

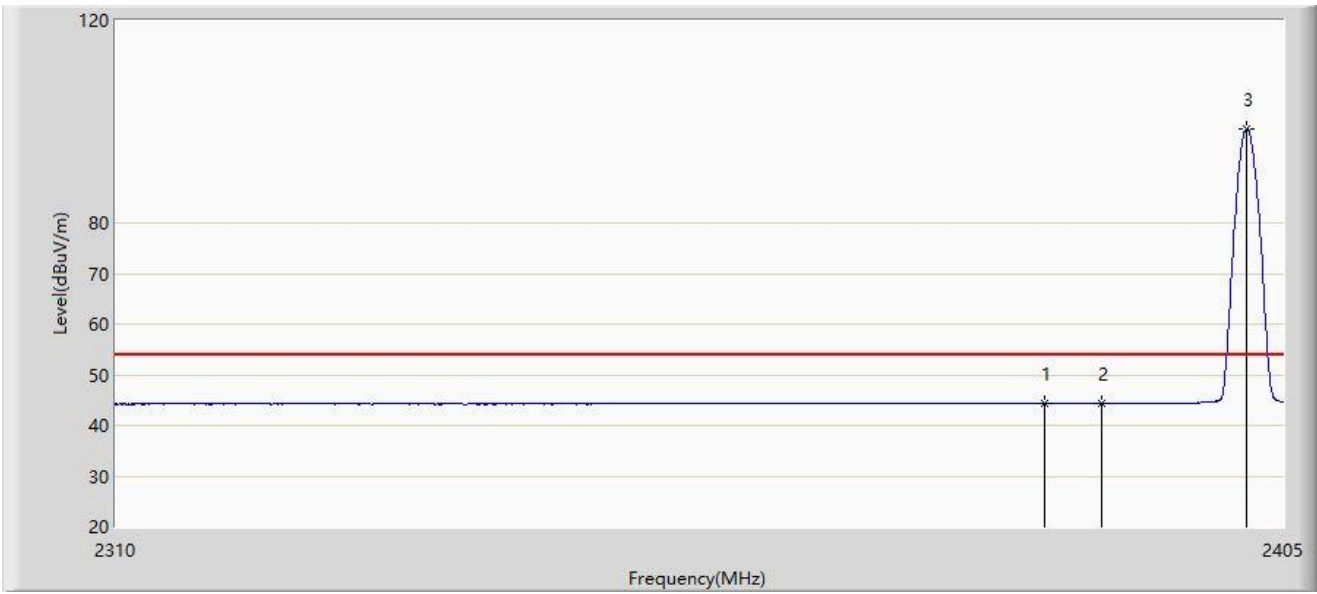


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2351.847	57.884	25.854	-16.116	74.000	32.030	PK
2			2390.000	56.297	24.294	-17.703	74.000	32.003	PK
3		*	2401.627	99.063	67.077	N/A	N/A	31.986	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 11:53
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2402MHz	

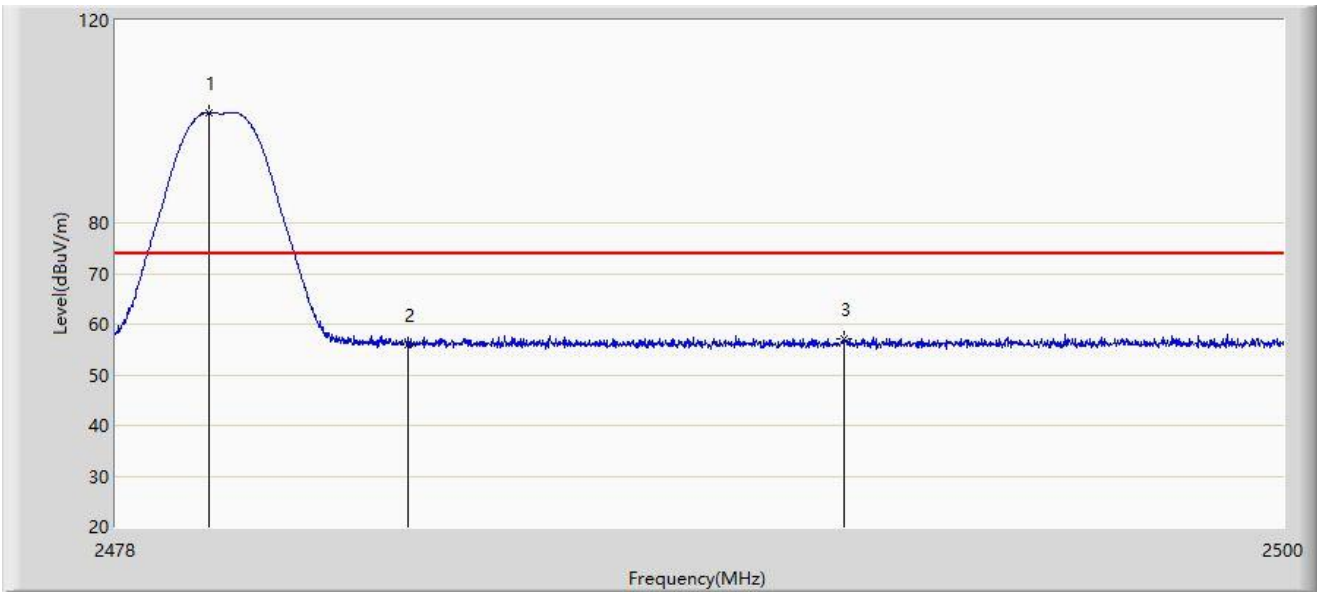


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1			2385.240	44.362	12.347	-9.638	54.000	32.015	AV
2			2390.000	44.357	12.354	-9.643	54.000	32.003	AV
3		*	2401.913	98.422	66.436	N/A	N/A	31.986	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 11:56
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2480MHz	

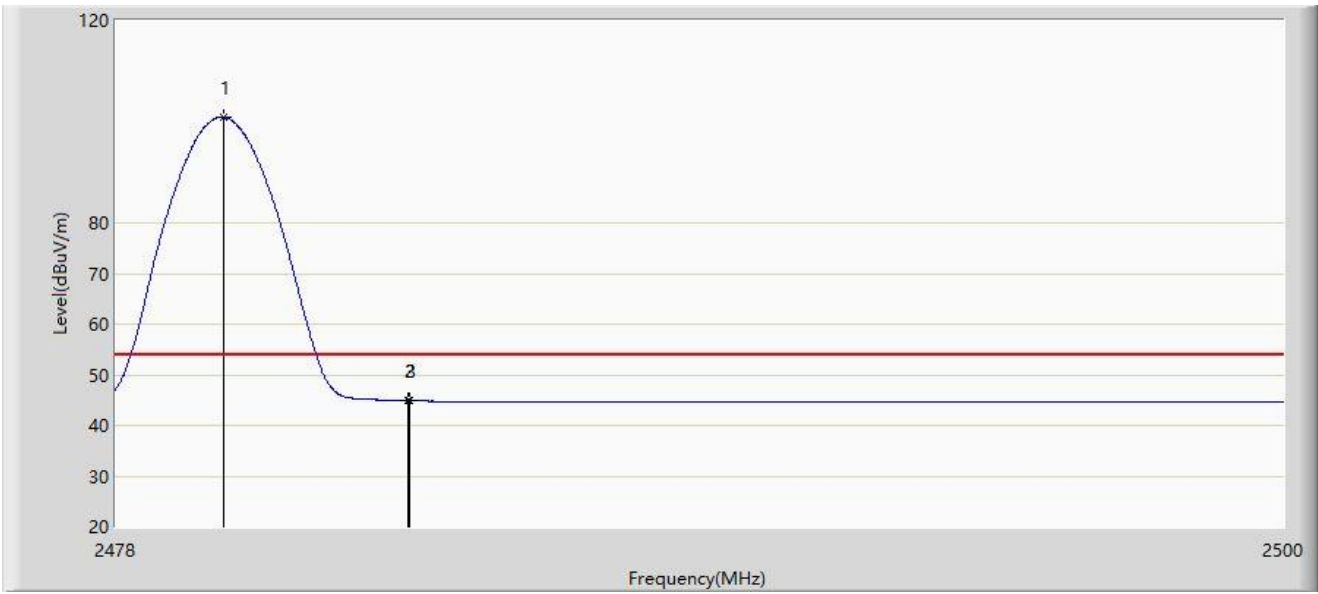


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2479.760	101.749	69.829	N/A	N/A	31.920	PK
2			2483.500	55.937	24.025	-18.063	74.000	31.912	PK
3			2491.717	57.119	25.225	-16.881	74.000	31.894	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 12:17
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Horizontal
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2480MHz	

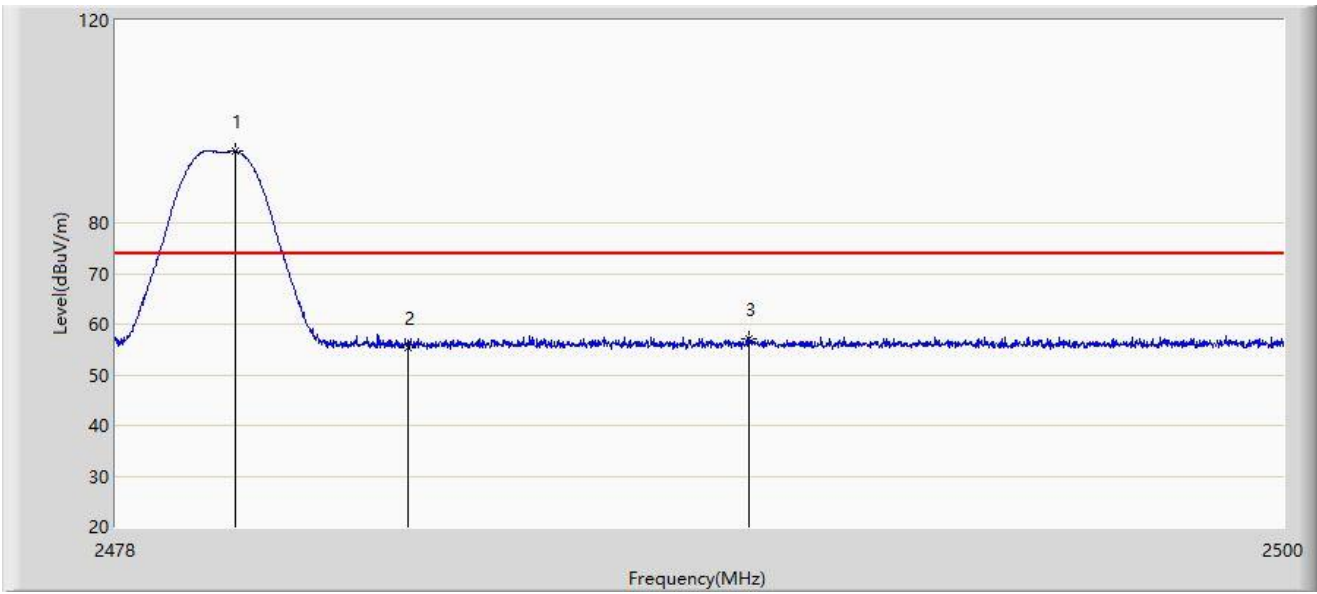


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.035	100.861	68.942	N/A	N/A	31.919	AV
2			2483.500	44.852	12.940	-9.148	54.000	31.912	AV
3			2483.533	44.855	12.943	-9.145	54.000	31.911	AV

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 12:19
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2480MHz	

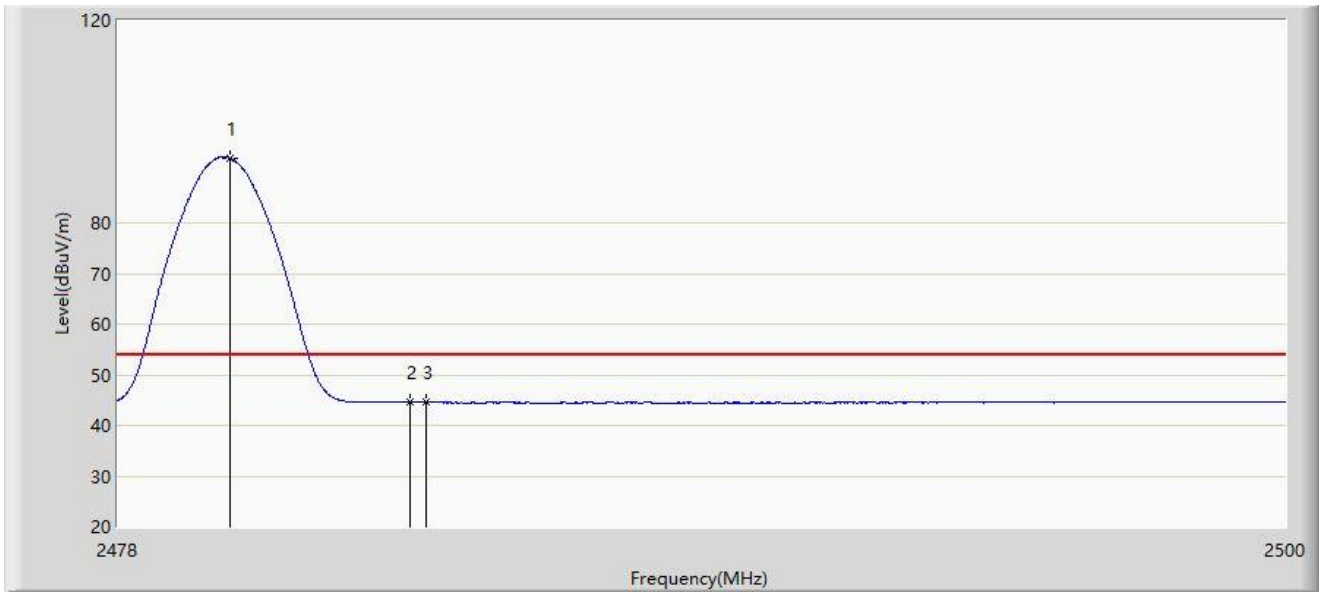


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.255	94.183	62.264	N/A	N/A	31.919	PK
2			2483.500	55.370	23.458	-18.630	74.000	31.912	PK
3			2489.913	57.246	25.348	-16.754	74.000	31.898	PK

Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)

Site: WZ-AC2	Time: 2021/11/21 - 12:22
Limit: FCC_Part15_Band Edge(3m)	Engineer: Kin Xia
Probe: WZ-AC2_BBHA9120D_1-18GHz	Polarity: Vertical
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by BLE at Channel 2480MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV/m)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV/m)	Factor (dB/m)	Type
1		*	2480.101	92.857	60.938	N/A	N/A	31.919	AV
2			2483.500	44.527	12.615	-9.473	54.000	31.912	AV
3			2483.797	44.547	12.636	-9.453	54.000	31.911	AV

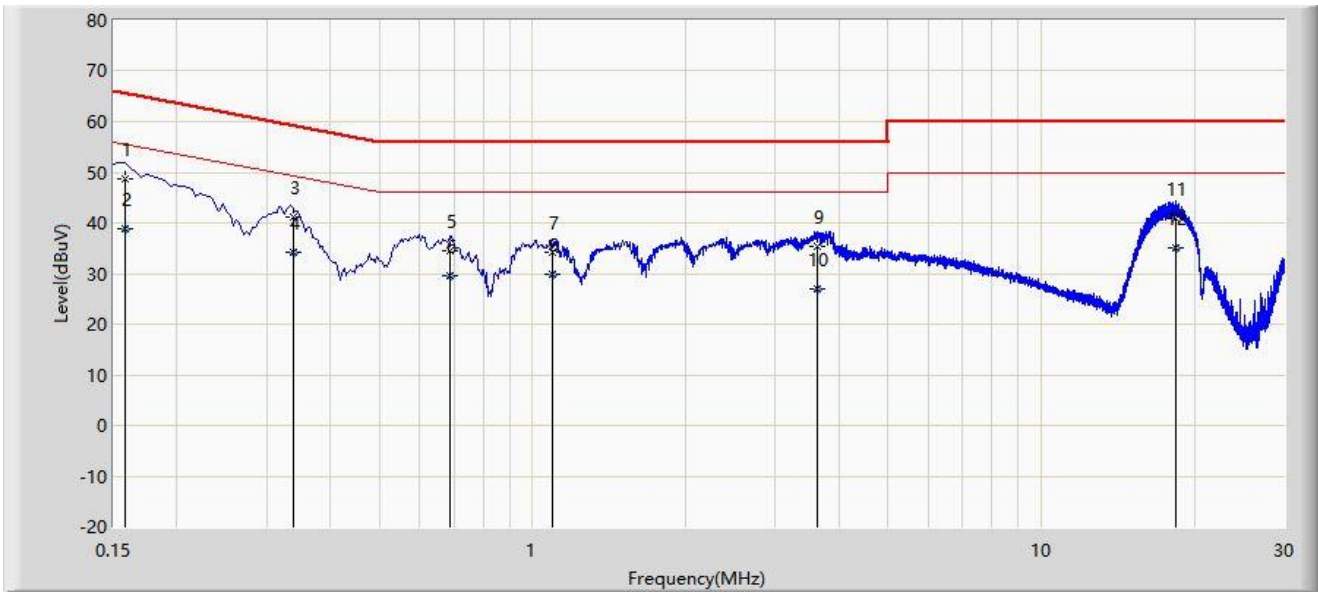
Note: Measure Level (dBμV/m) = Reading Level (dBμV) + Factor (dB/m)

Factor (dB/m) = Cable Loss (dB) + Antenna Factor (dB/m)



**A.7 AC Conducted Emissions Test Result**

Site: WZ-SR2	Time: 2021/11/30 - 09:16
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_C	Polarity: Line
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by DH5 at Channel 2402MHz	

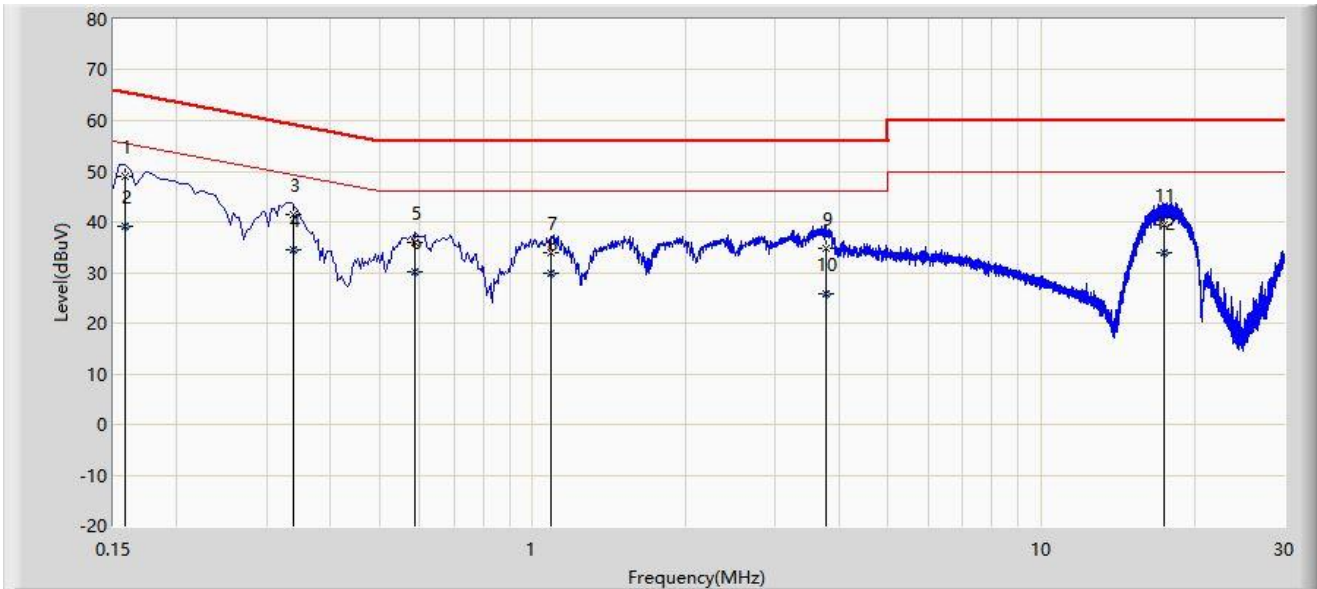


No	Flag	Mark	Frequency (MHz)	Measure Level (dBμV)	Reading Level (dBμV)	Margin (dB)	Limit (dBμV)	Factor (dB)	Type
1			0.158	48.604	38.556	-16.964	65.568	10.048	QP
2			0.158	38.958	28.909	-16.611	55.568	10.048	AV
3			0.338	41.126	31.049	-18.127	59.252	10.077	QP
4			0.338	34.151	24.075	-15.101	49.252	10.077	AV
5			0.686	34.549	24.384	-21.451	56.000	10.165	QP
6			0.686	29.593	19.428	-16.407	46.000	10.165	AV
7			1.094	34.067	23.841	-21.933	56.000	10.225	QP
8			1.094	29.810	19.585	-16.190	46.000	10.225	AV
9			3.626	35.377	24.864	-20.623	56.000	10.513	QP
10			3.626	26.968	16.455	-19.032	46.000	10.513	AV
11			18.430	40.999	29.902	-19.001	60.000	11.097	QP
12		*	18.430	35.179	24.082	-14.821	50.000	11.097	AV

Note: Measure Level (dBμV) = Reading Level (dBμV) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)

Site: WZ-SR2	Time: 2021/11/30 - 09:19
Limit: FCC_Part15.207_CE_AC Power	Engineer: Helen Han
Probe: ENV216_101683_Filter Off_C	Polarity: Neutral
EUT: 5G High Power mmWave Outdoor CPE	Power: By PoE
Test Mode: Transmit by DH5 at Channel 2402MHz	



No	Flag	Mark	Frequency (MHz)	Measure Level (dB $\mu$ V)	Reading Level (dB $\mu$ V)	Margin (dB)	Limit (dB $\mu$ V)	Factor (dB)	Type
1			0.158	48.858	38.493	-16.711	65.568	10.365	QP
2			0.158	39.247	28.882	-16.322	55.568	10.365	AV
3			0.338	41.490	31.138	-17.762	59.252	10.353	QP
4		*	0.338	34.624	24.271	-14.628	49.252	10.353	AV
5			0.586	35.846	25.450	-20.154	56.000	10.396	QP
6			0.586	30.222	19.826	-15.778	46.000	10.396	AV
7			1.090	34.011	23.537	-21.989	56.000	10.474	QP
8			1.090	29.969	19.495	-16.031	46.000	10.474	AV
9			3.774	34.799	24.019	-21.201	56.000	10.780	QP
10			3.774	25.797	15.016	-20.203	46.000	10.780	AV
11			17.445	39.538	28.301	-20.462	60.000	11.237	QP
12			17.445	33.925	22.688	-16.075	50.000	11.237	AV

Note: Measure Level (dB $\mu$ V) = Reading Level (dB $\mu$ V) + Factor (dB)

Factor (dB) = Cable Loss (dB) + LISN Factor (dB)