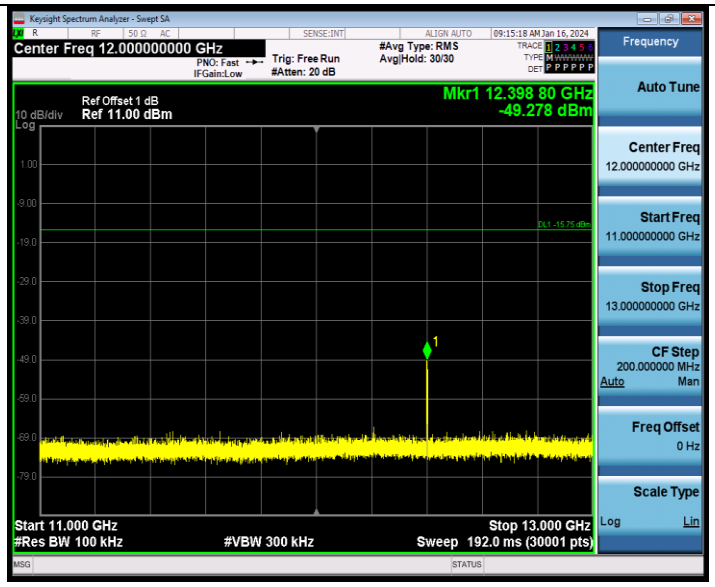
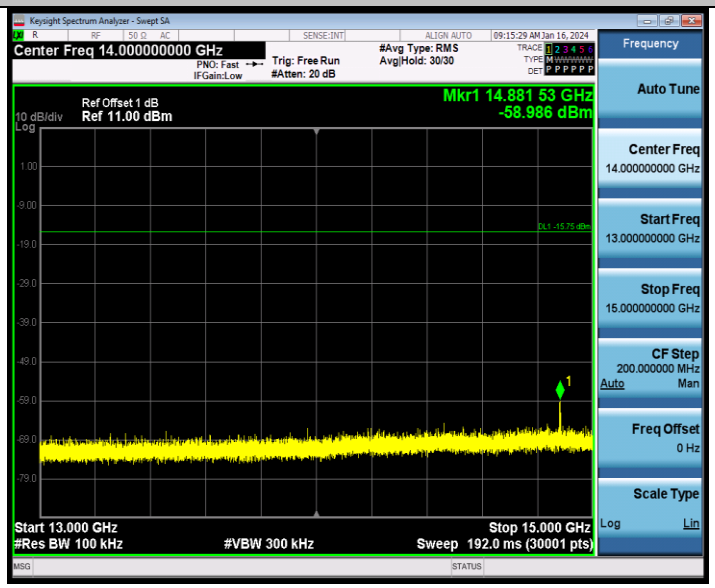
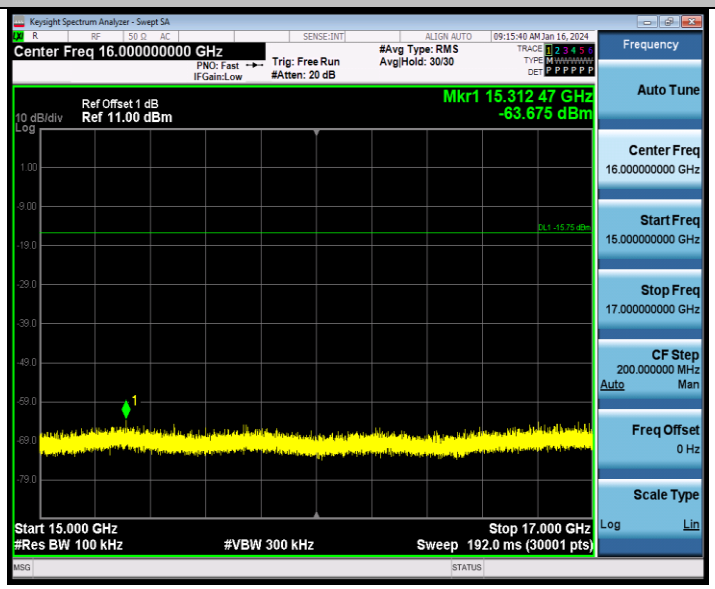


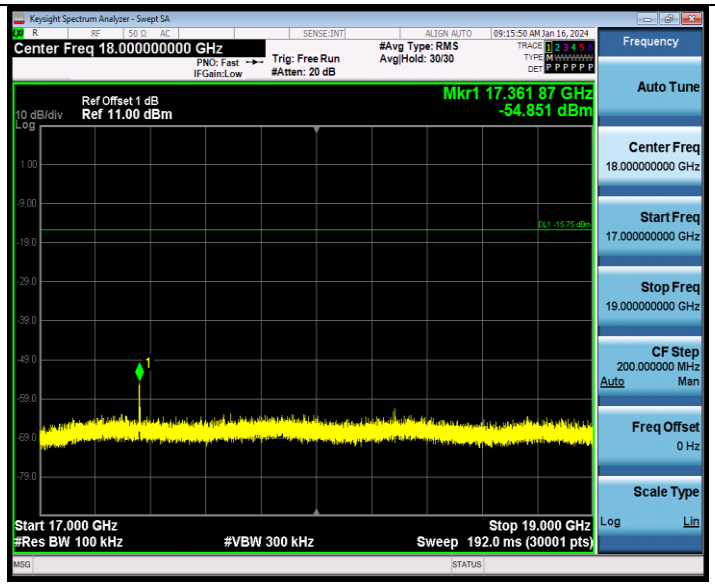
BLE_500K_Ant1_2480_13000~15000



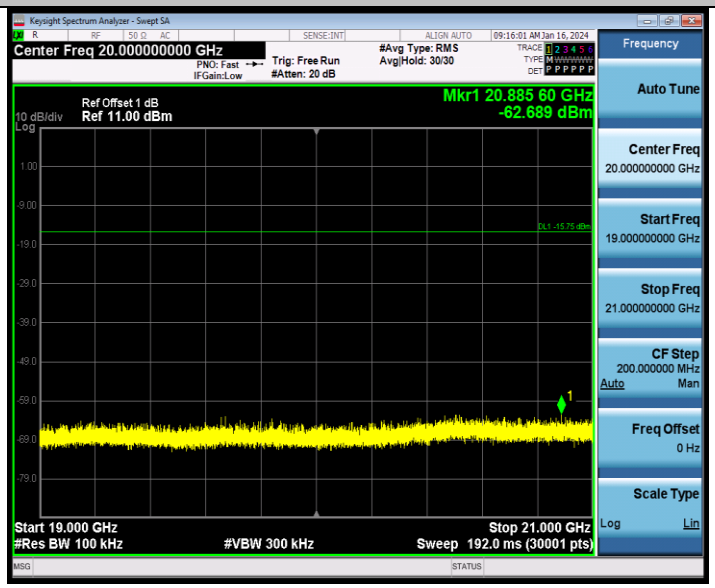
BLE_500K_Ant1_2480_15000~17000



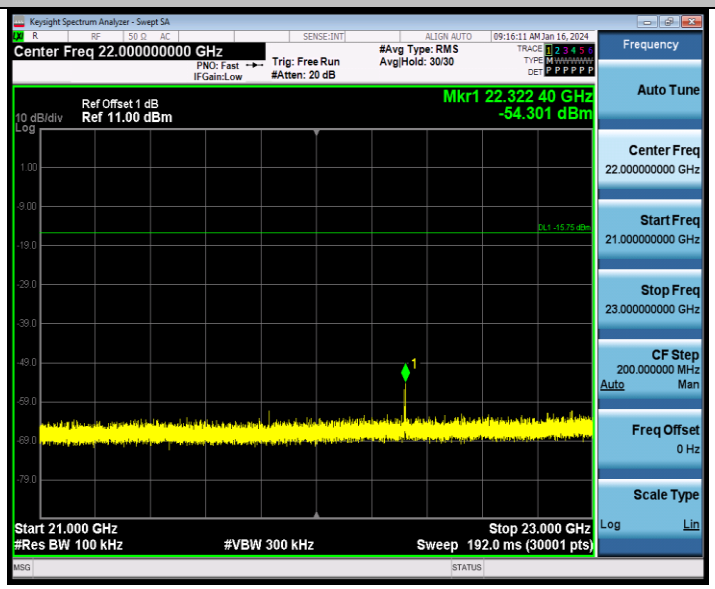
BLE_500K_Ant1_2480_17000~19000



BLE_500K_Ant1_2480_19000~21000



BLE_500K_Ant1_2480_21000~23000



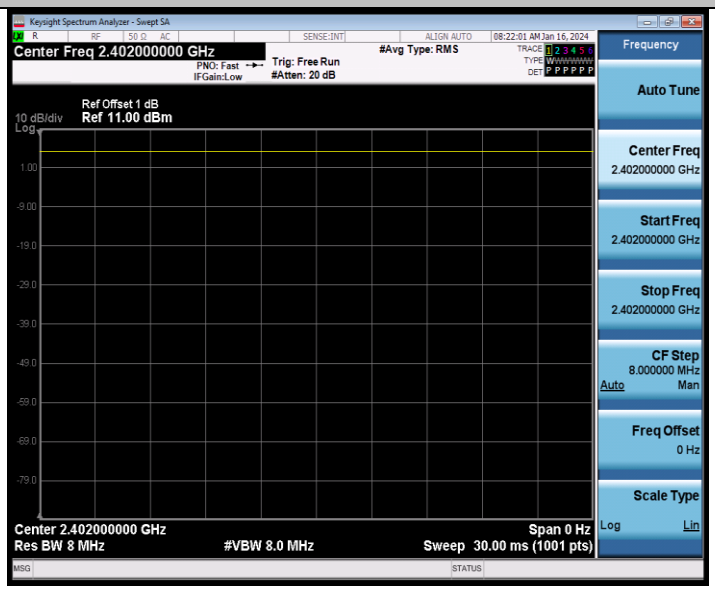
BLE_500K_Ant1_2480_23000~25000

Keysight Spectrum Analyzer - Swept SA
Center Freq 24.000000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
Avg|Hold: 30/30
09:16:23 AM Jan 16, 2024
Ref Offset 1 dB
10 dB/div
Ref 11.00 dBm
Log
Mkr1 24.707 40 GHz
-58.753 dBm
Start 23.000 GHz
#Res BW 100 kHz
#VBW 300 kHz
Stop 25.000 GHz
Sweep 192.0 ms (30001 pts)
Frequency
Auto Tune
Center Freq
24.000000000 GHz
Start Freq
23.000000000 GHz
Stop Freq
25.000000000 GHz
CF Step
200.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

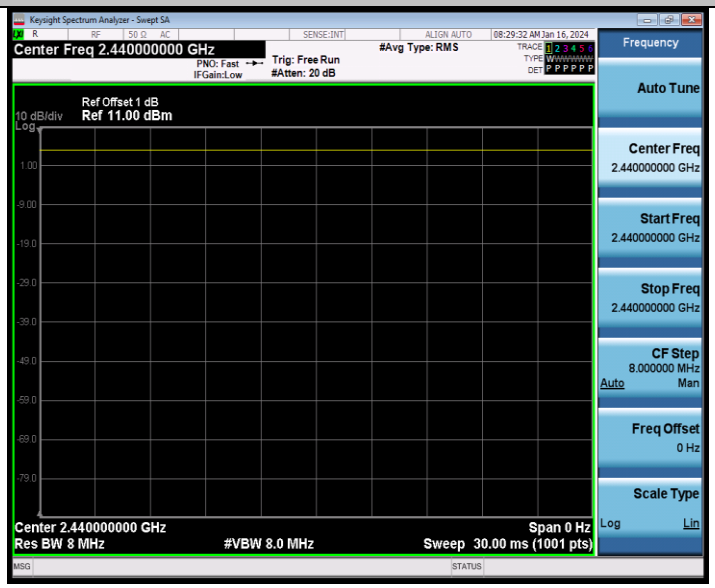
Appendix G: Duty Cycle

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Limit	Verdict
BLE_1M	Ant1	2402	0.00	0.00	100	N/A	Pass
		2440	0.00	0.00	100	N/A	Pass
		2480	0.00	0.00	100	N/A	Pass
BLE_2M	Ant1	2402	0.00	0.00	100	N/A	Pass
		2440	0.00	0.00	100	N/A	Pass
		2480	0.00	0.00	100	N/A	Pass
BLE_125K	Ant1	2402	0.00	0.00	100	N/A	Pass
		2440	0.00	0.00	100	N/A	Pass
		2480	0.00	0.00	100	N/A	Pass
BLE_500K	Ant1	2402	0.00	0.00	100	N/A	Pass
		2440	0.00	0.00	100	N/A	Pass
		2480	0.00	0.00	100	N/A	Pass

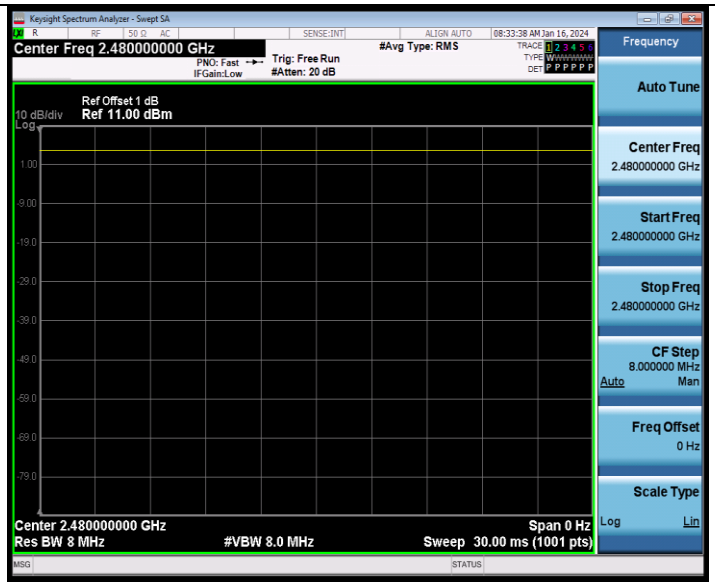
BLE_1M_Ant1_2402



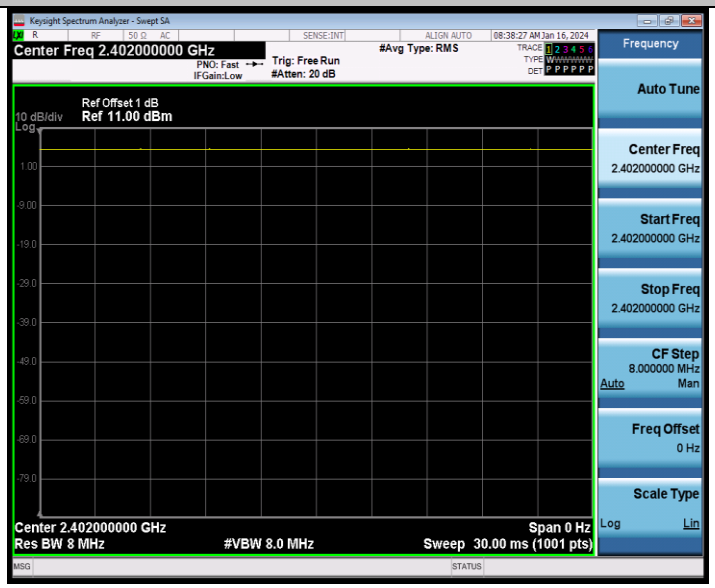
BLE_1M_Ant1_2440



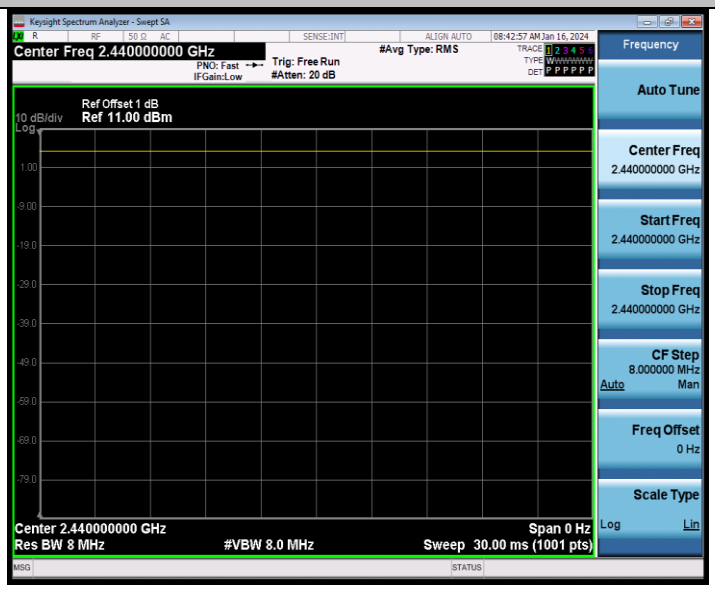
BLE_1M_Ant1_2480



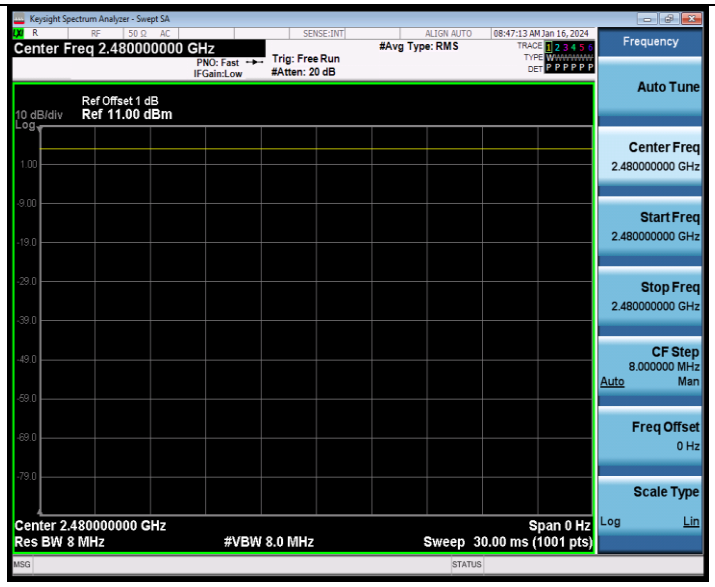
BLE_2M_Ant1_2402



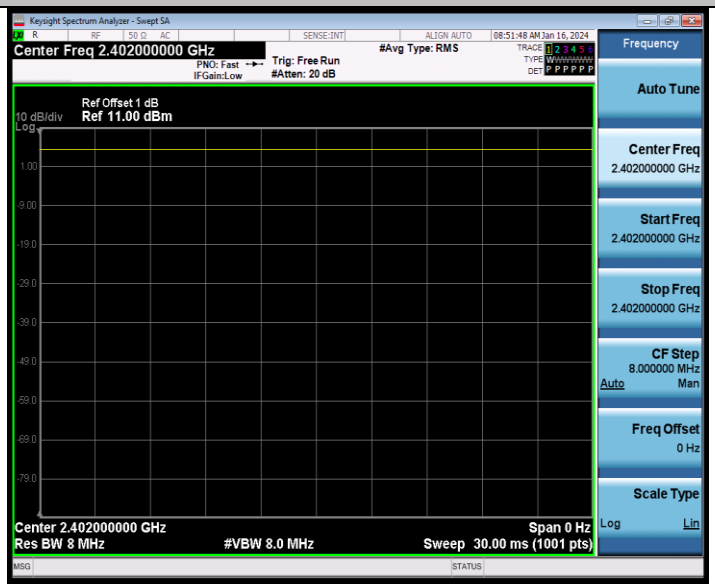
BLE_2M_Ant1_2440



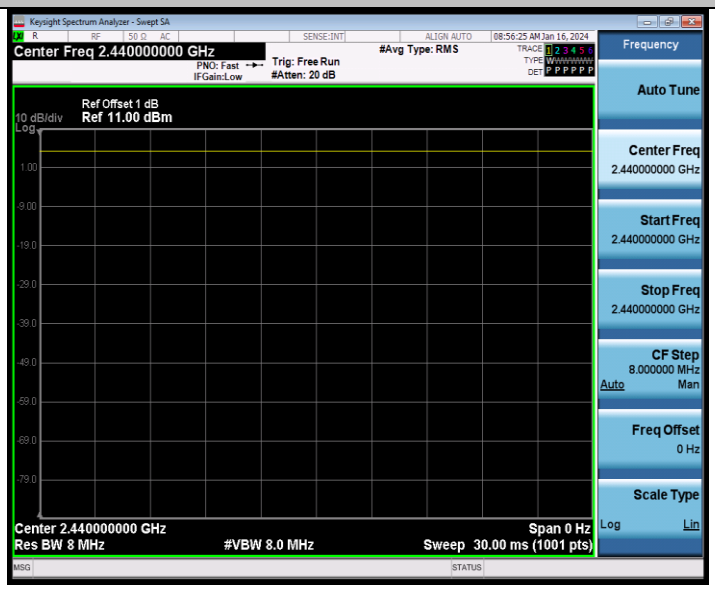
BLE_2M_Ant1_2480



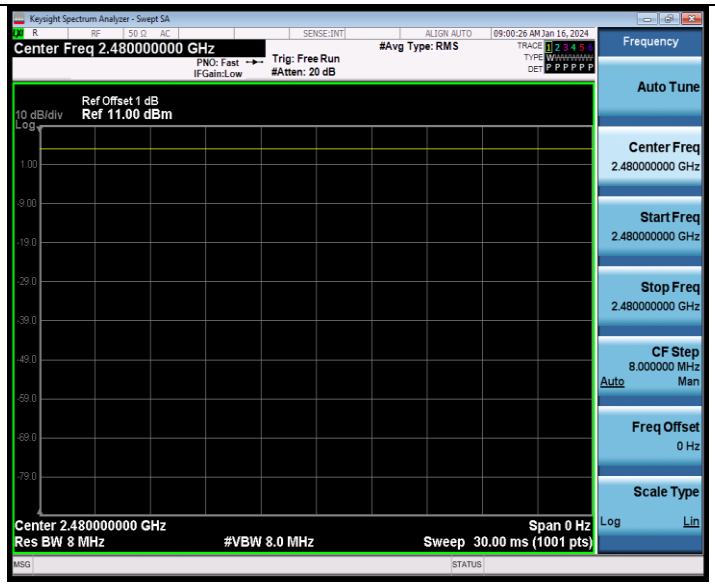
BLE_125K_Ant1_2402



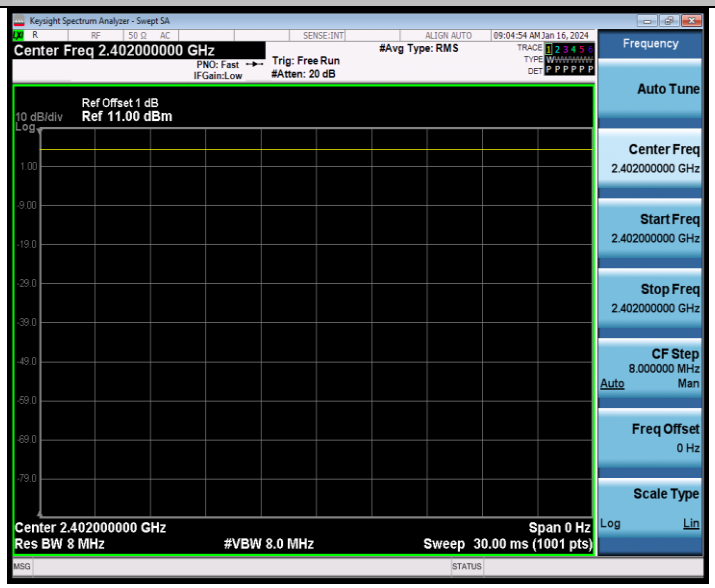
BLE_125K_Ant1_2440



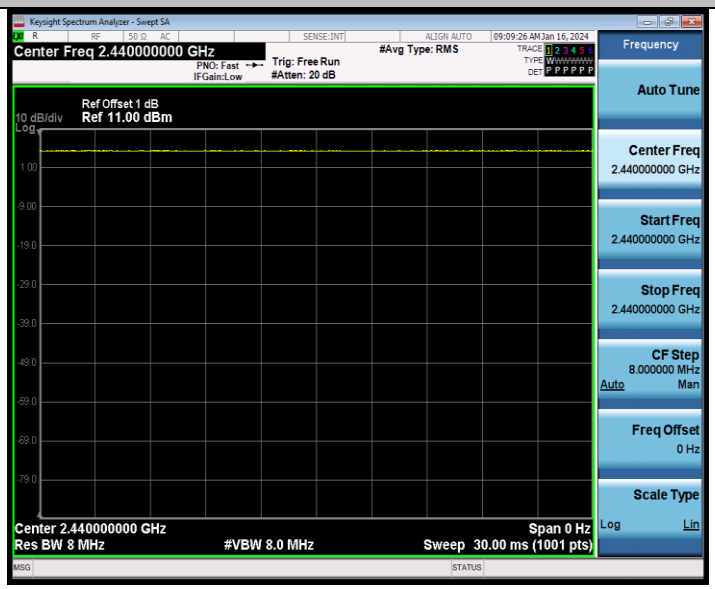
BLE_125K_Ant1_2480



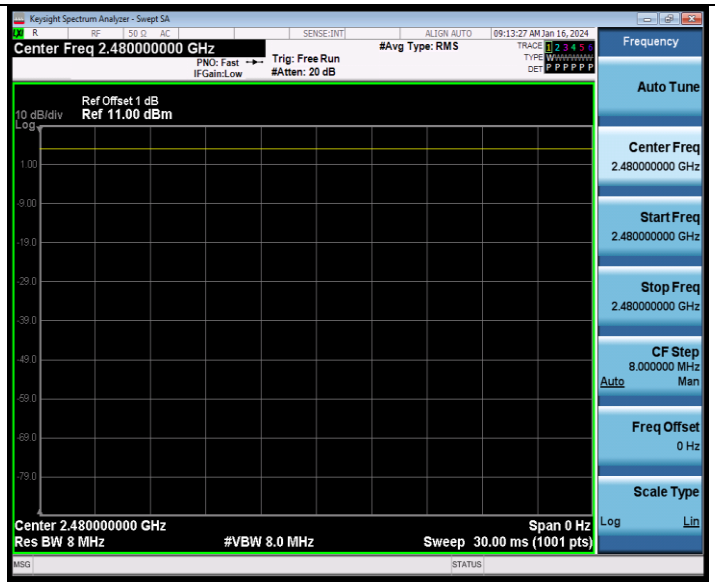
BLE_500K_Ant1_2402



BLE_500K_Ant1_2440

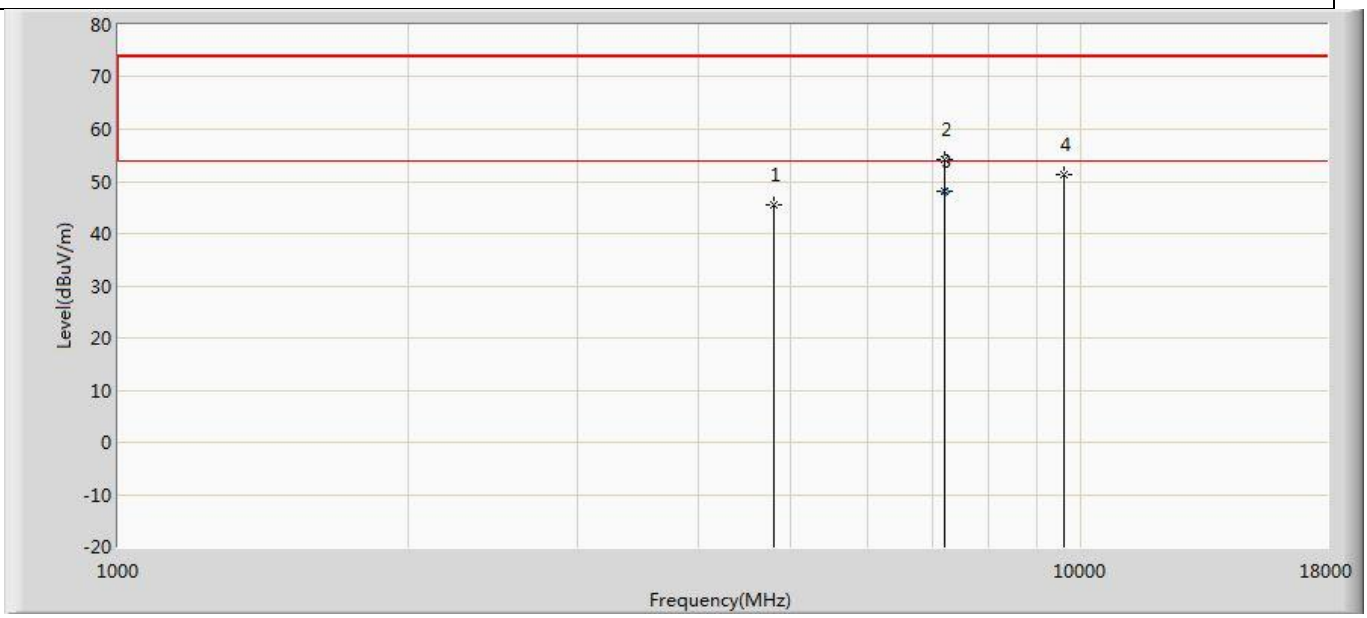


BLE_500K_Ant1_2480


Keysight Spectrum Analyzer - Swept SA
Center Freq 2.480000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 20 dB
#Avg Type: RMS
09:13:27 AM Jan 16, 2024
Ref Offset 1 dB
10 dB/div
Ref 11.00 dBm
Log
1.00
-9.00
-19.0
-29.0
-39.0
-49.0
-59.0
-69.0
-79.0
Center 2.480000000 GHz
Span 0 Hz
Res BW 8 MHz
#VBW 8.0 MHz
Sweep 30.00 ms (1001 pts)
Frequency
Auto Tune
Center Freq
2.480000000 GHz
Start Freq
2.480000000 GHz
Stop Freq
2.480000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz
Scale Type
Log
Lin

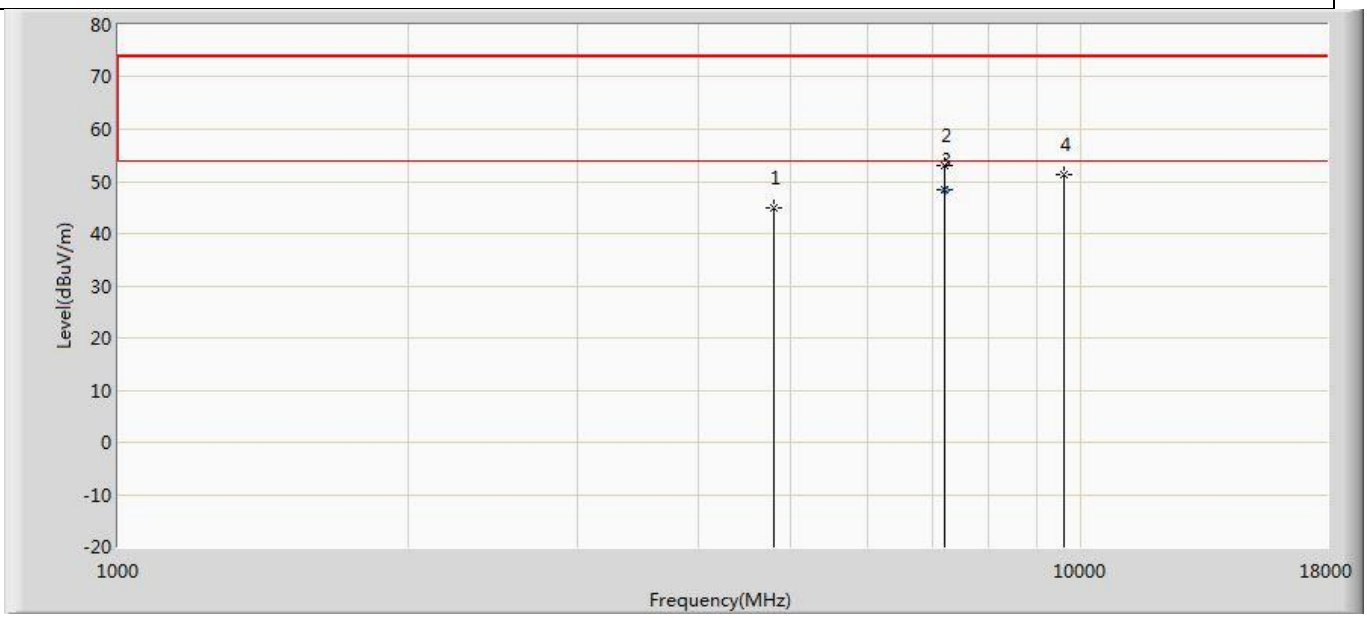
Appendix H: Emissions in Restricted Bands

Profile: 2410388R	Page No.: 31
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by LE_1Mbps	



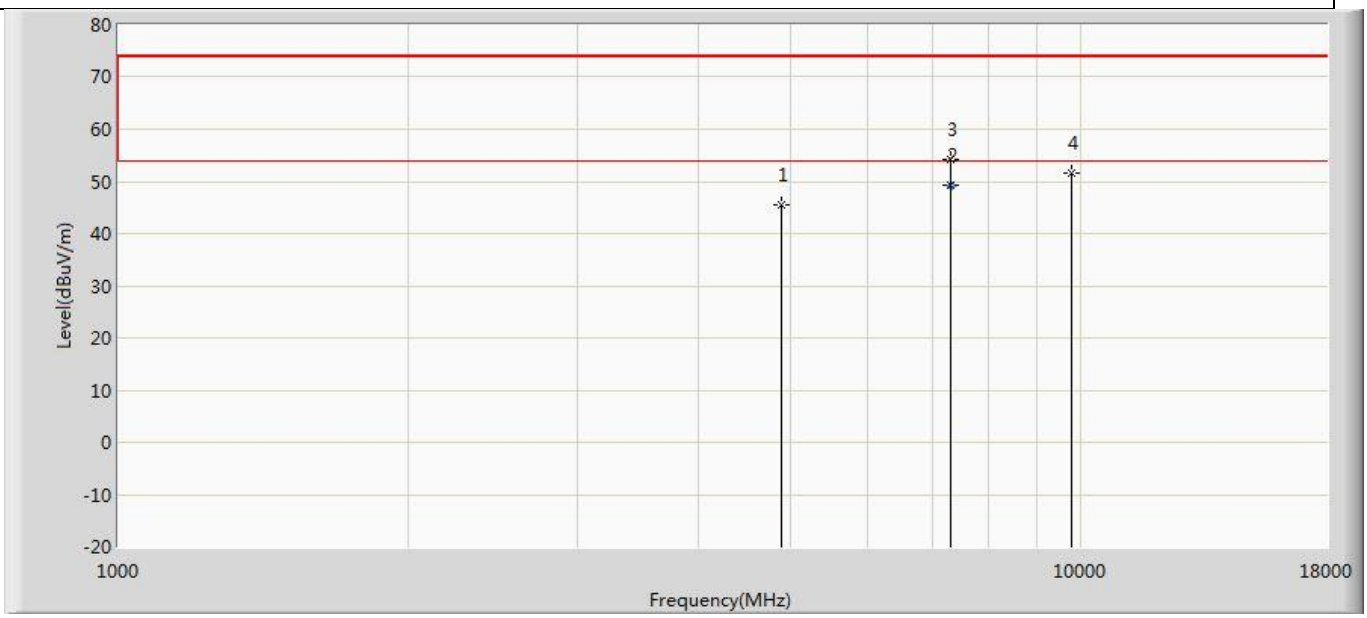
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	45.442	57.330	-28.558	74.000	-11.888	PK
2		7205.000	54.311	60.461	-19.689	74.000	-6.150	PK
3	*	7206.600	48.114	54.290	-5.886	54.000	-6.176	AV
4		9608.000	51.285	54.508	-22.715	74.000	-3.222	PK

Profile: 2410388R	Page No.: 32
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by LE_1Mbps	



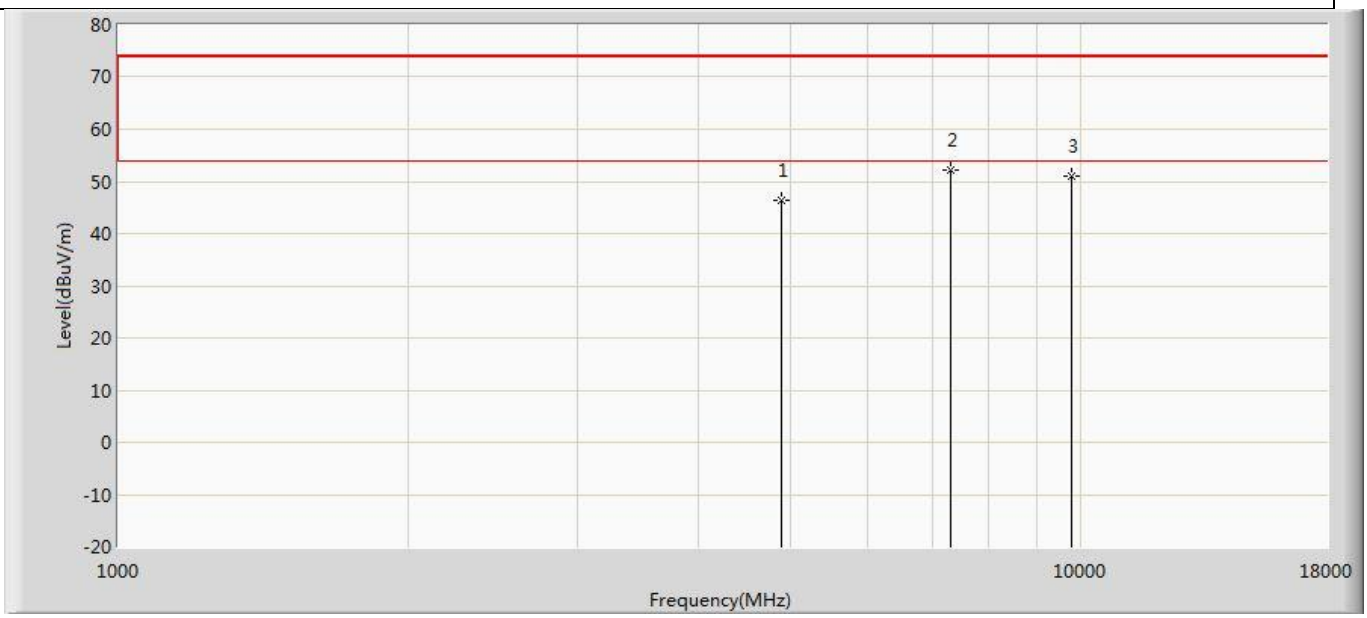
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	45.023	56.911	-28.977	74.000	-11.888	PK
2		7205.000	53.170	59.320	-20.830	74.000	-6.150	PK
3	*	7205.540	48.451	54.610	-5.549	54.000	-6.159	AV
4		9608.000	51.294	54.517	-22.706	74.000	-3.222	PK

Profile: 2410388R	Page No.: 33
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2440MHz by LE_1Mbps	



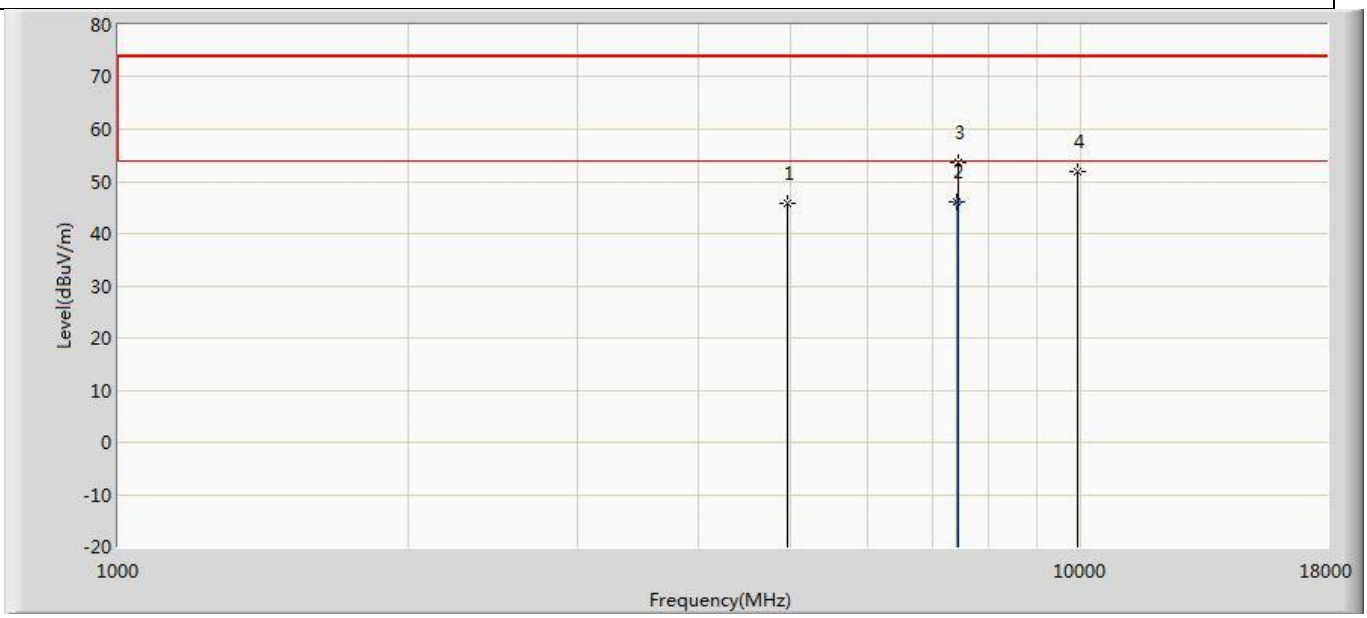
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.524	56.128	-28.476	74.000	-10.603	PK
2	*	7320.700	49.149	56.060	-4.851	54.000	-6.911	AV
3		7324.000	54.192	61.027	-19.808	74.000	-6.835	PK
4		9760.000	51.583	54.456	-22.417	74.000	-2.874	PK

Profile: 2410388R	Page No.: 34
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:01
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2440MHz by LE_1Mbps	



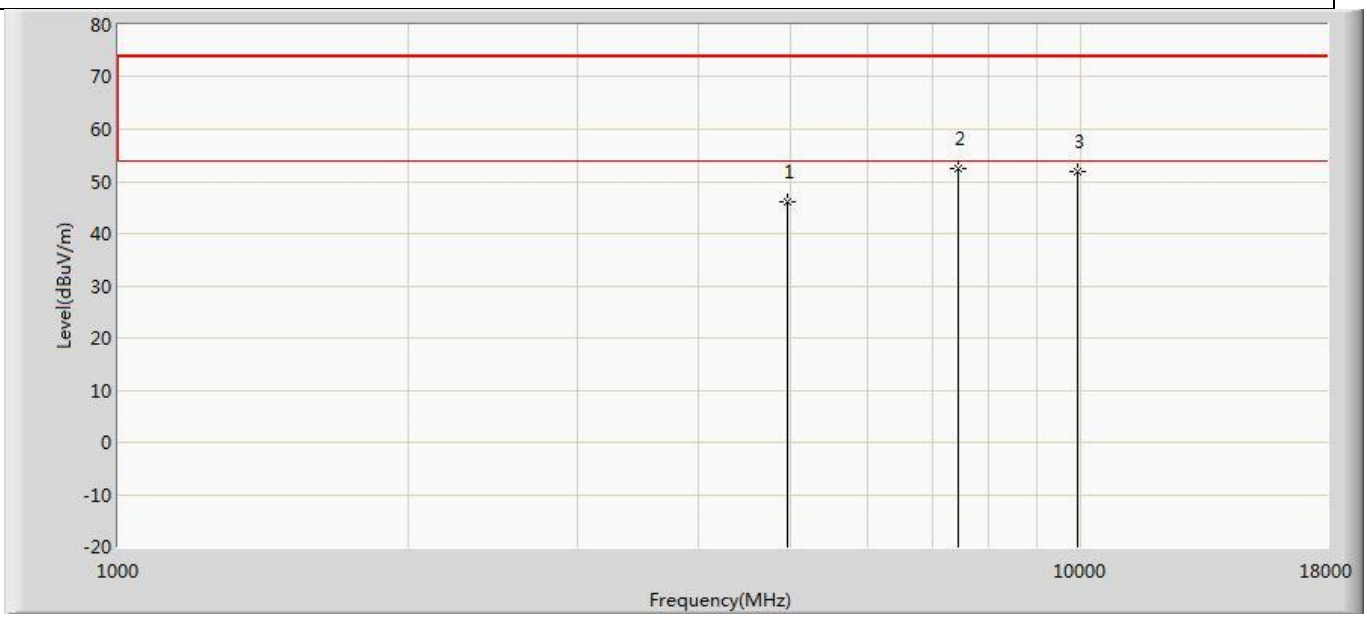
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	46.236	56.840	-27.764	74.000	-10.603	PK
2	*	7324.000	52.100	58.935	-21.900	74.000	-6.835	PK
3		9760.000	51.110	53.983	-22.890	74.000	-2.874	PK

Profile: 2410388R	Page No.: 35
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2480MHz by LE_1Mbps	



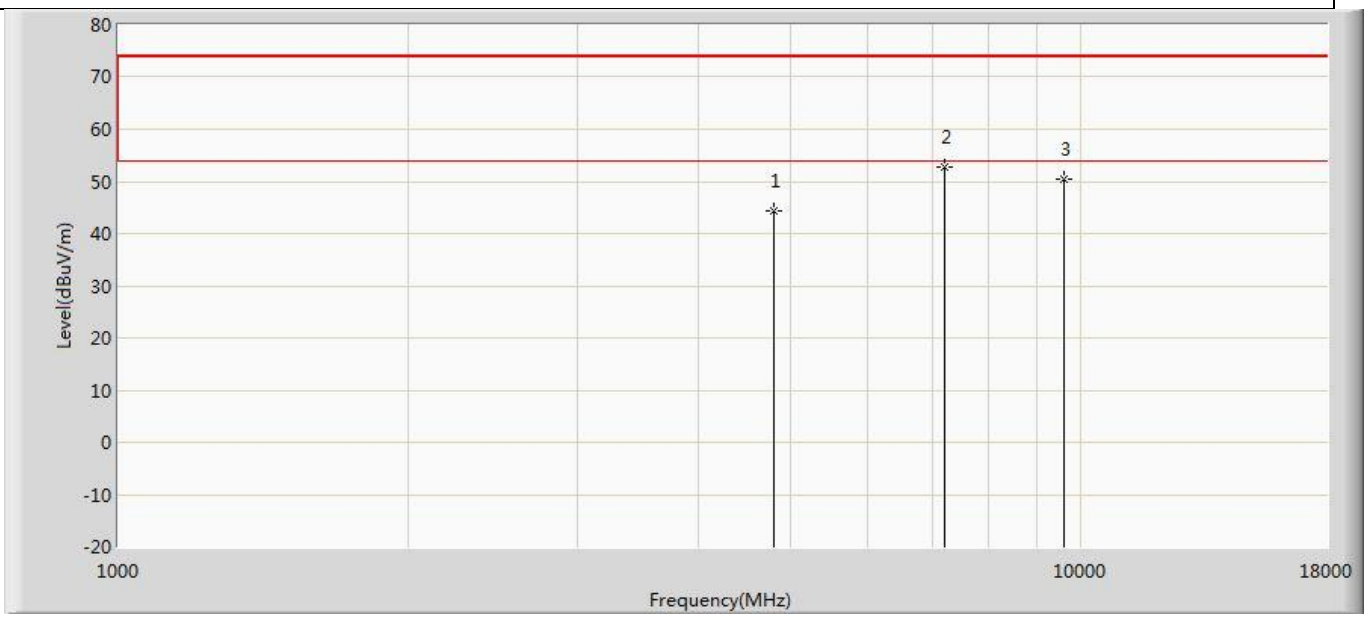
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	45.926	56.632	-28.074	74.000	-10.707	PK
2	*	7439.480	46.018	52.800	-7.982	54.000	-6.782	AV
3		7443.000	53.547	60.304	-20.453	74.000	-6.757	PK
4		9920.000	51.838	53.660	-22.162	74.000	-1.821	PK

Profile: 2410388R	Page No.: 36
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2480MHz by LE_1Mbps	



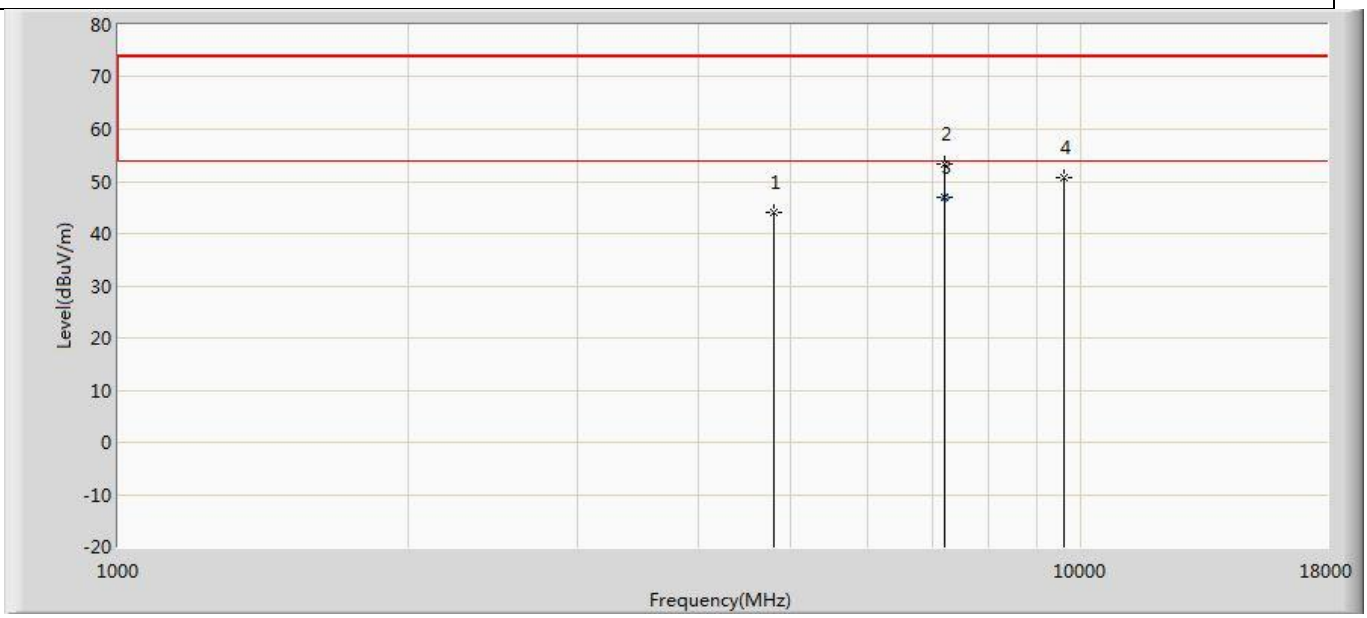
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	46.142	56.848	-27.858	74.000	-10.707	PK
2	*	7443.000	52.429	59.186	-21.571	74.000	-6.757	PK
3		9920.000	51.748	53.570	-22.252	74.000	-1.821	PK

Profile: 2410388R	Page No.: 37
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2402MHz by LE_2Mbps	



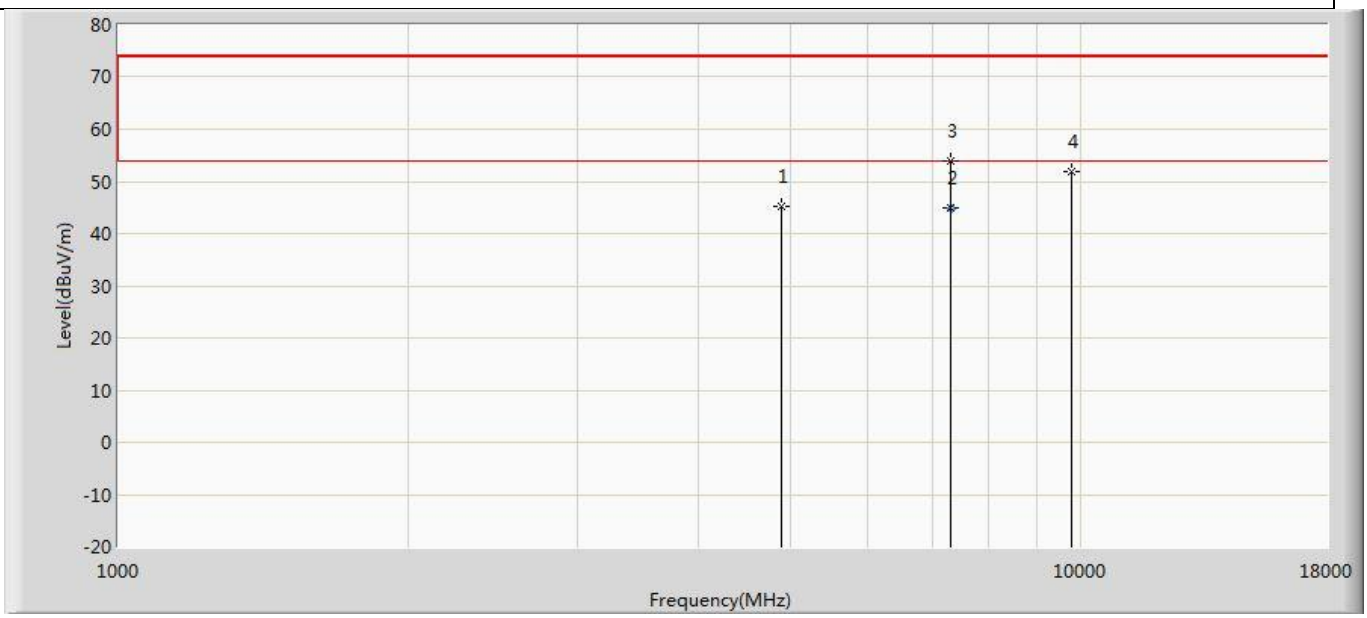
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	44.482	56.370	-29.518	74.000	-11.888	PK
2	*	7205.000	52.734	58.884	-21.266	74.000	-6.150	PK
3		9608.000	50.471	53.694	-23.529	74.000	-3.222	PK

Profile: 2410388R	Page No.: 38
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2402MHz by LE_2Mbps	



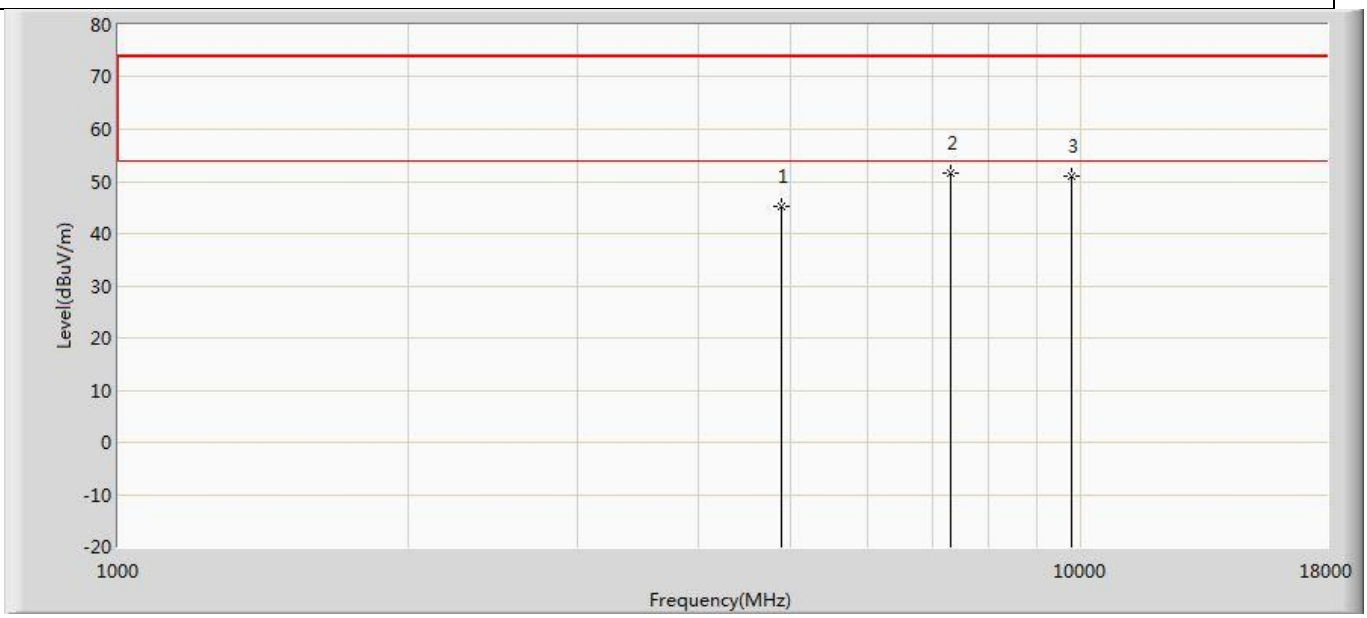
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	43.994	55.882	-30.006	74.000	-11.888	PK
2		7205.000	53.217	59.367	-20.783	74.000	-6.150	PK
3	*	7207.380	46.962	53.150	-7.038	54.000	-6.187	AV
4		9608.000	50.783	54.006	-23.217	74.000	-3.222	PK

Profile: 2410388R	Page No.: 39
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2440MHz by LE_2Mbps	



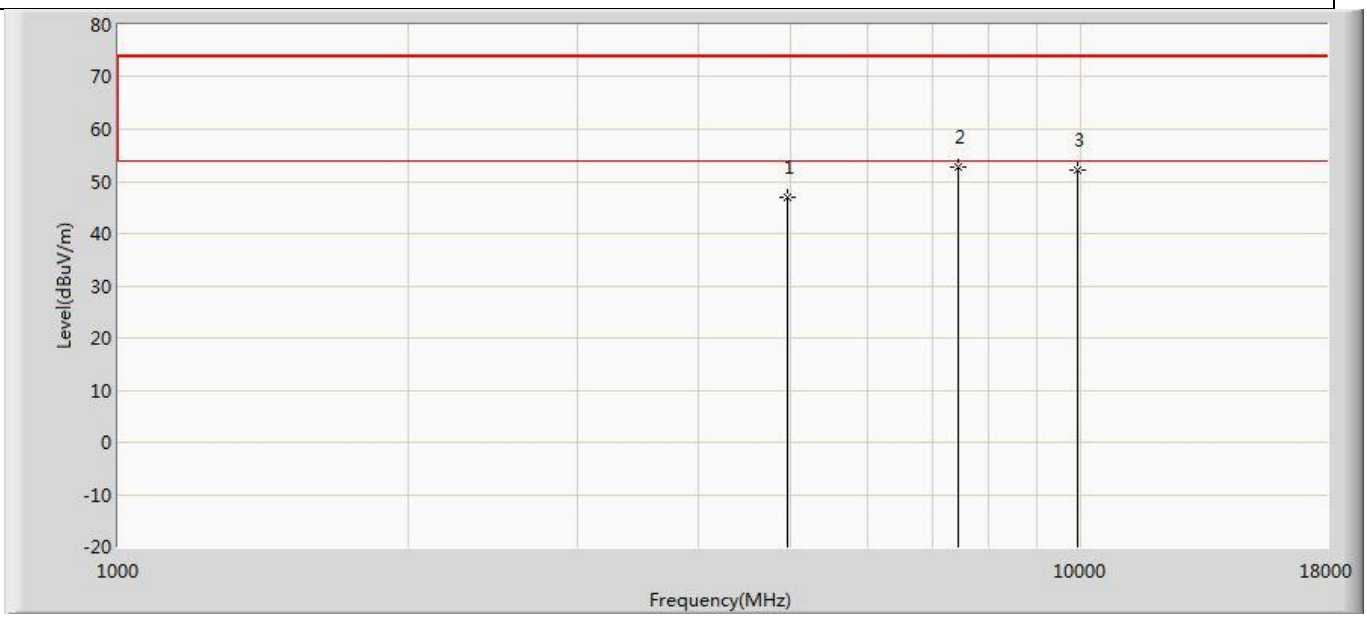
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.203	55.807	-28.797	74.000	-10.603	PK
2	*	7321.420	45.055	51.950	-8.945	54.000	-6.895	AV
3		7324.000	53.861	60.696	-20.139	74.000	-6.835	PK
4		9760.000	51.945	54.818	-22.055	74.000	-2.874	PK

Profile: 2410388R	Page No.: 40
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2440MHz by LE_2Mbps	



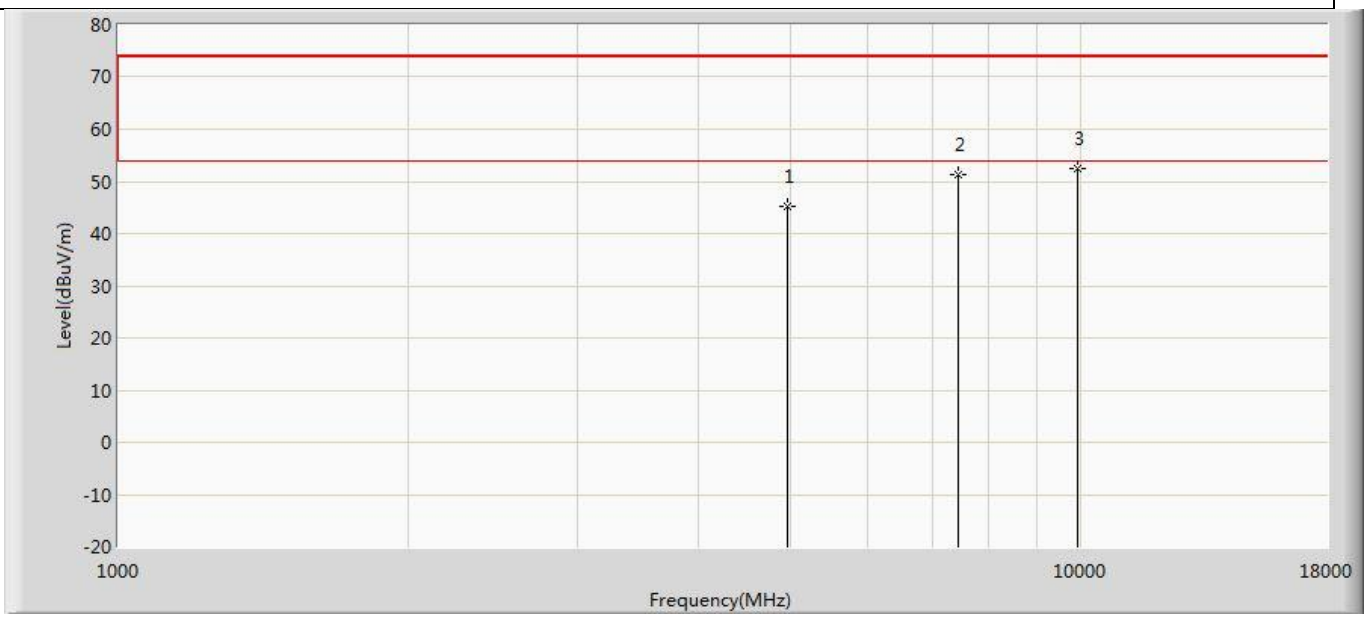
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.179	55.783	-28.821	74.000	-10.603	PK
2	*	7324.000	51.563	58.398	-22.437	74.000	-6.835	PK
3		9760.000	51.110	53.983	-22.890	74.000	-2.874	PK

Profile: 2410388R	Page No.: 41
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2480MHz by LE_2Mbps	



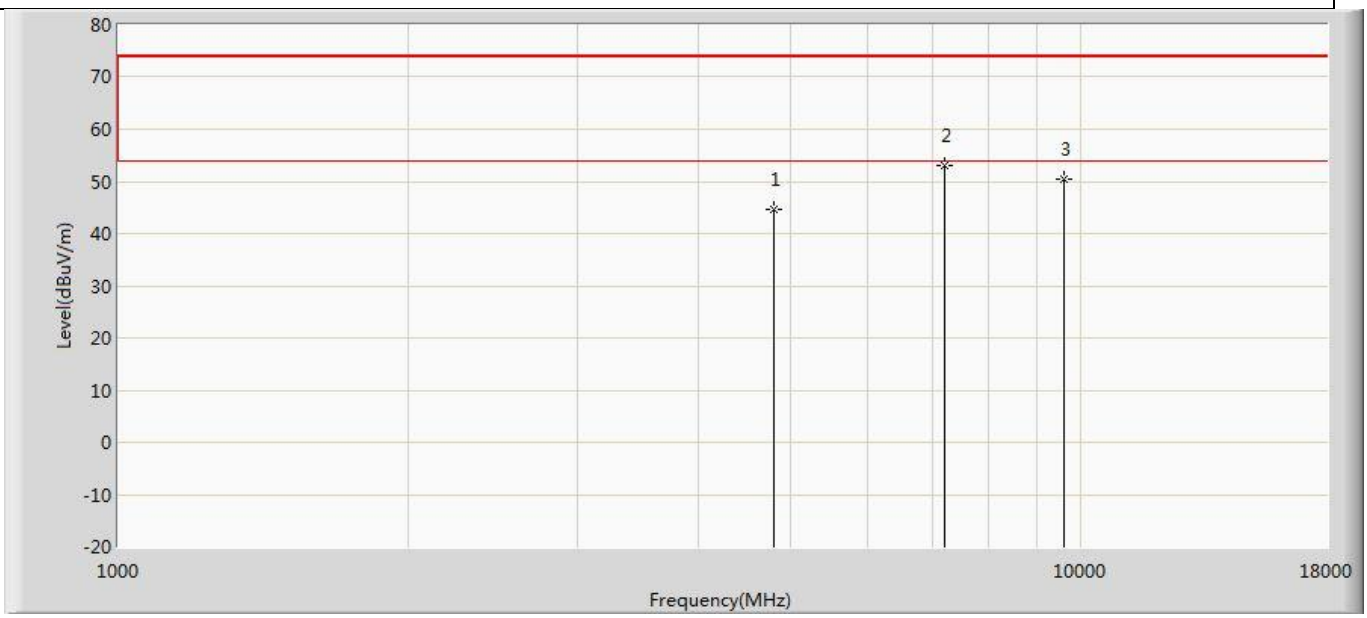
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	47.093	57.799	-26.907	74.000	-10.707	PK
2	*	7443.000	52.821	59.578	-21.179	74.000	-6.757	PK
3		9920.000	52.304	54.126	-21.696	74.000	-1.821	PK

Profile: 2410388R	Page No.: 42
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 2：Transmit at 2480MHz by LE_2Mbps	



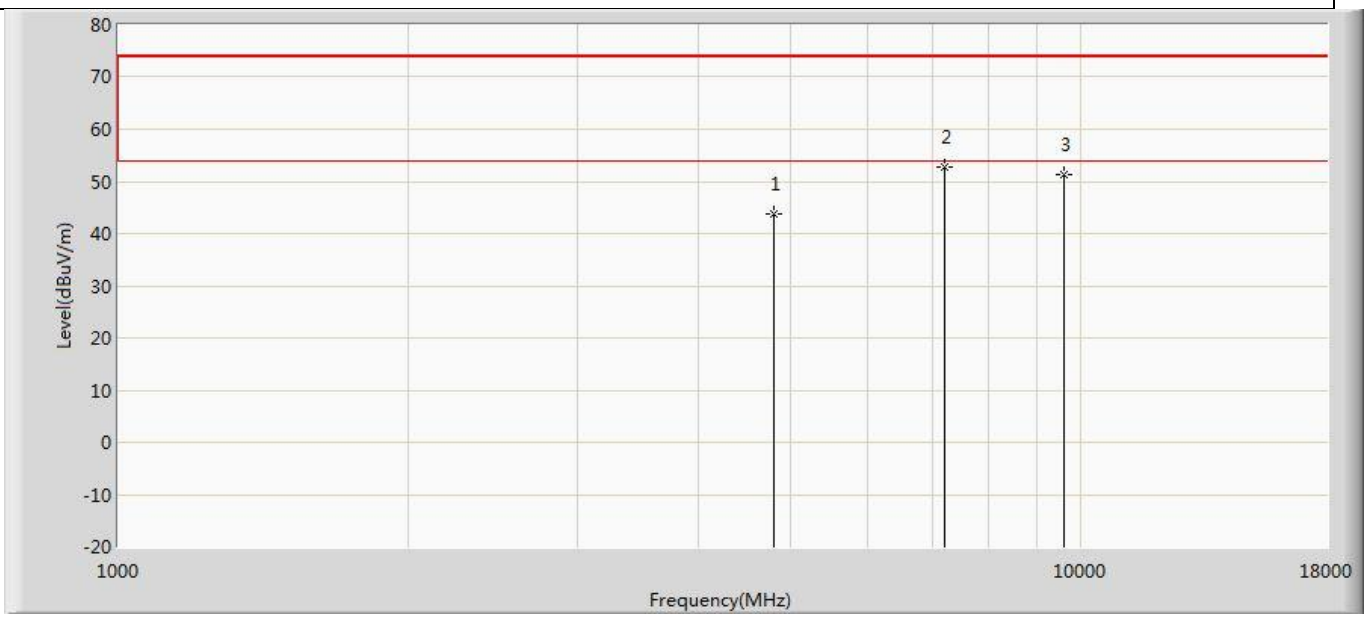
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	45.107	55.813	-28.893	74.000	-10.707	PK
2		7443.000	51.275	58.032	-22.725	74.000	-6.757	PK
3	*	9920.000	52.363	54.185	-21.637	74.000	-1.821	PK

Profile: 2410388R	Page No.: 43
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2402MHz byLE_Coded S=8	



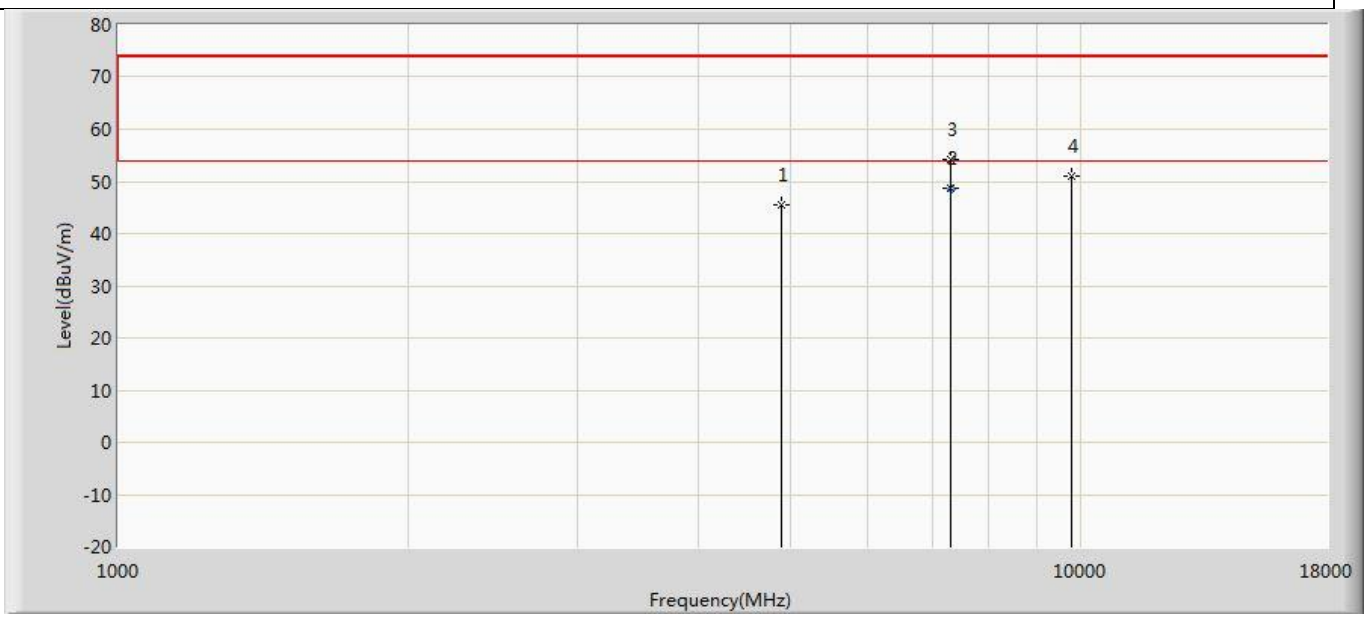
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	44.573	56.461	-29.427	74.000	-11.888	PK
2	*	7205.000	52.975	59.125	-21.025	74.000	-6.150	PK
3		9608.000	50.513	53.736	-23.487	74.000	-3.222	PK

Profile: 2410388R	Page No.: 44
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2402MHz byLE_Coded S=8	



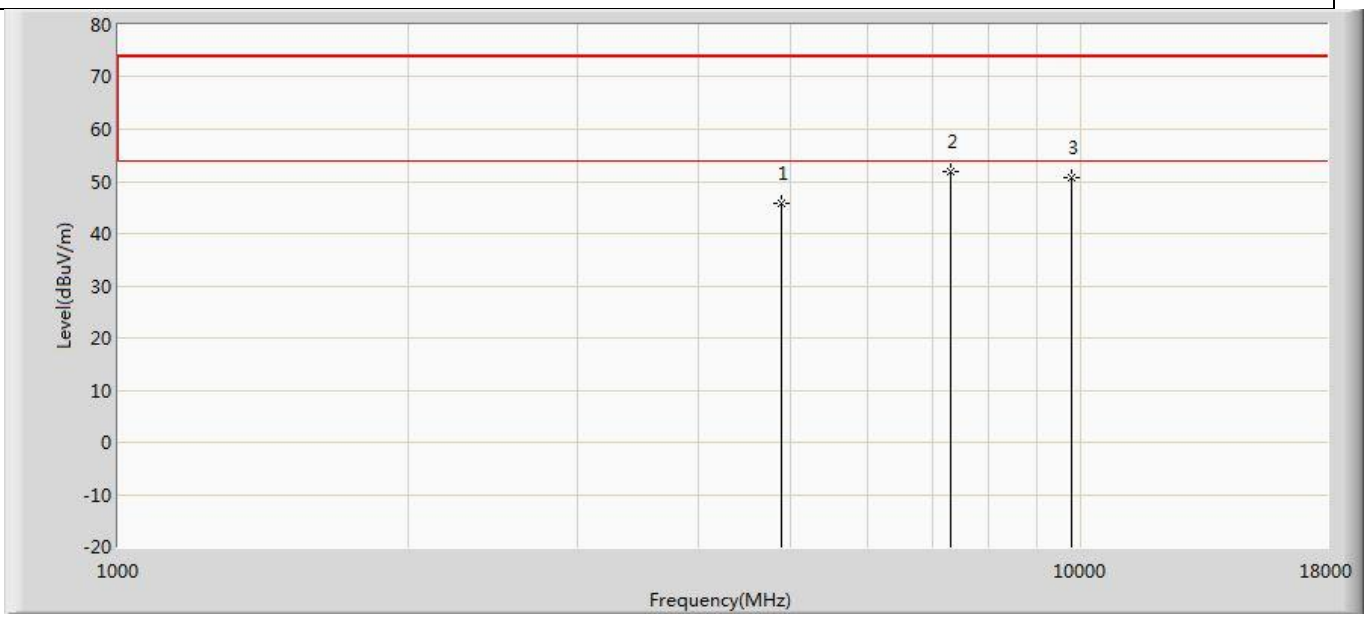
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	43.893	55.781	-30.107	74.000	-11.888	PK
2	*	7205.000	52.803	58.953	-21.197	74.000	-6.150	PK
3		9608.000	51.254	54.477	-22.746	74.000	-3.222	PK

Profile: 2410388R	Page No.: 45
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2440MHz byLE_Coded S=8	



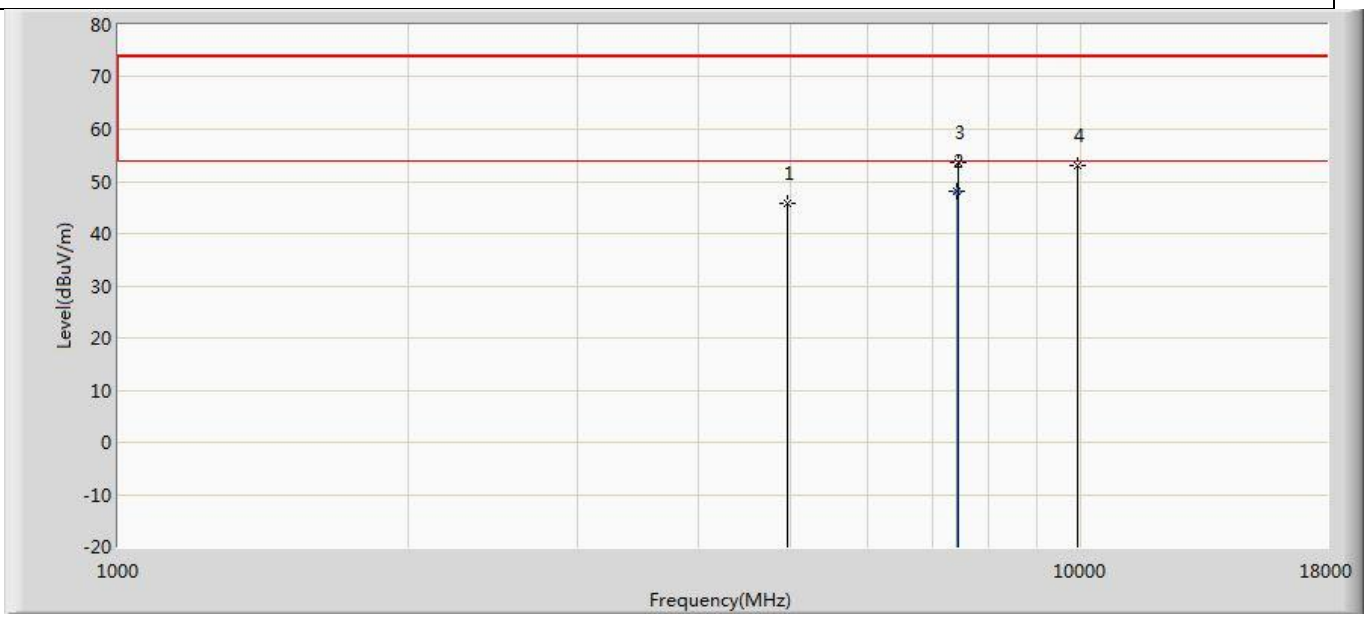
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.482	56.086	-28.518	74.000	-10.603	PK
2	*	7320.760	48.780	55.690	-5.220	54.000	-6.910	AV
3		7324.000	54.120	60.955	-19.880	74.000	-6.835	PK
4		9760.000	51.134	54.007	-22.866	74.000	-2.874	PK

Profile: 2410388R	Page No.: 46
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2440MHz byLE_Coded S=8	



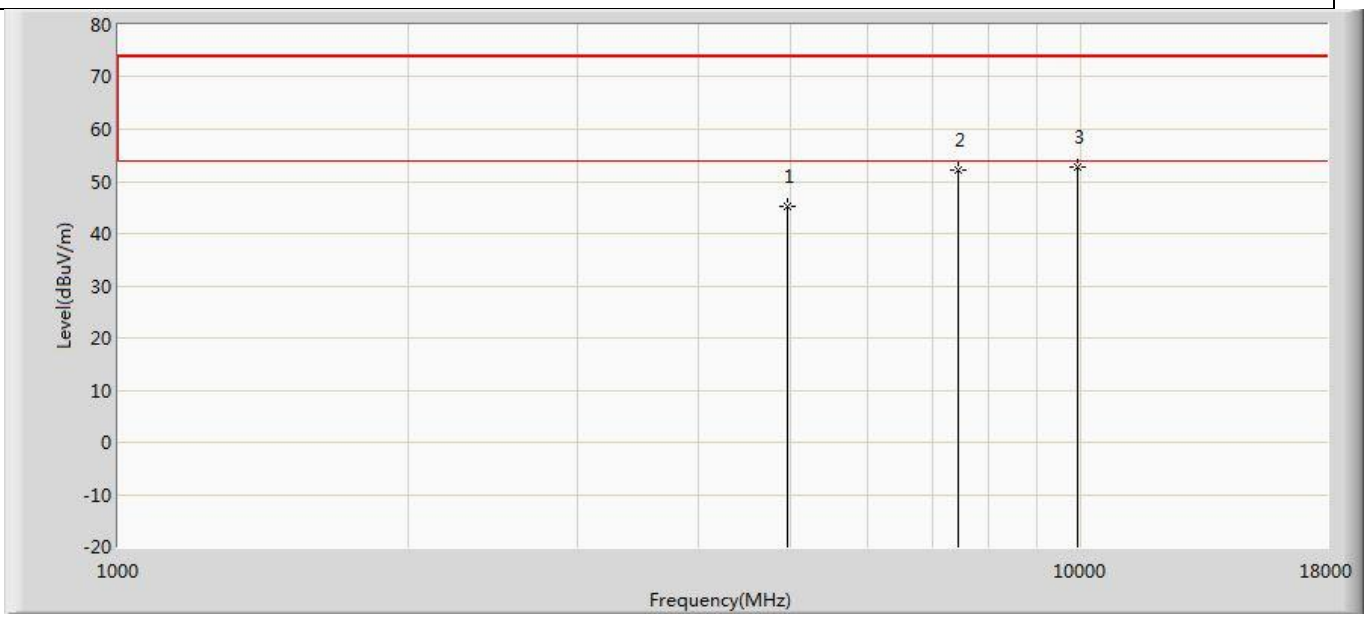
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.661	56.265	-28.339	74.000	-10.603	PK
2	*	7324.000	51.874	58.709	-22.126	74.000	-6.835	PK
3		9760.000	50.697	53.570	-23.303	74.000	-2.874	PK

Profile: 2410388R	Page No.: 47
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2480MHz byLE_Coded S=8	



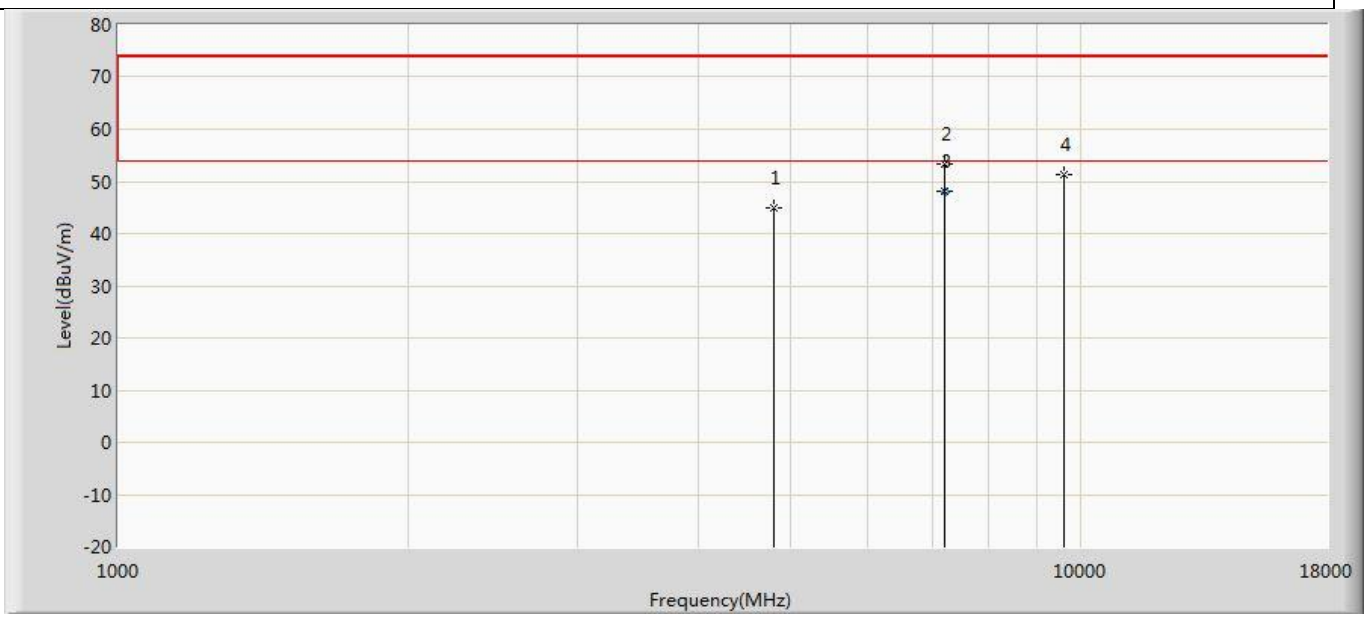
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	45.800	56.506	-28.200	74.000	-10.707	PK
2	*	7439.420	48.257	55.040	-5.743	54.000	-6.783	AV
3		7443.000	53.573	60.330	-20.427	74.000	-6.757	PK
4		9920.000	52.906	54.728	-21.094	74.000	-1.821	PK

Profile: 2410388R	Page No.: 48
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 3：Transmit at 2480MHz byLE_Coded S=8	



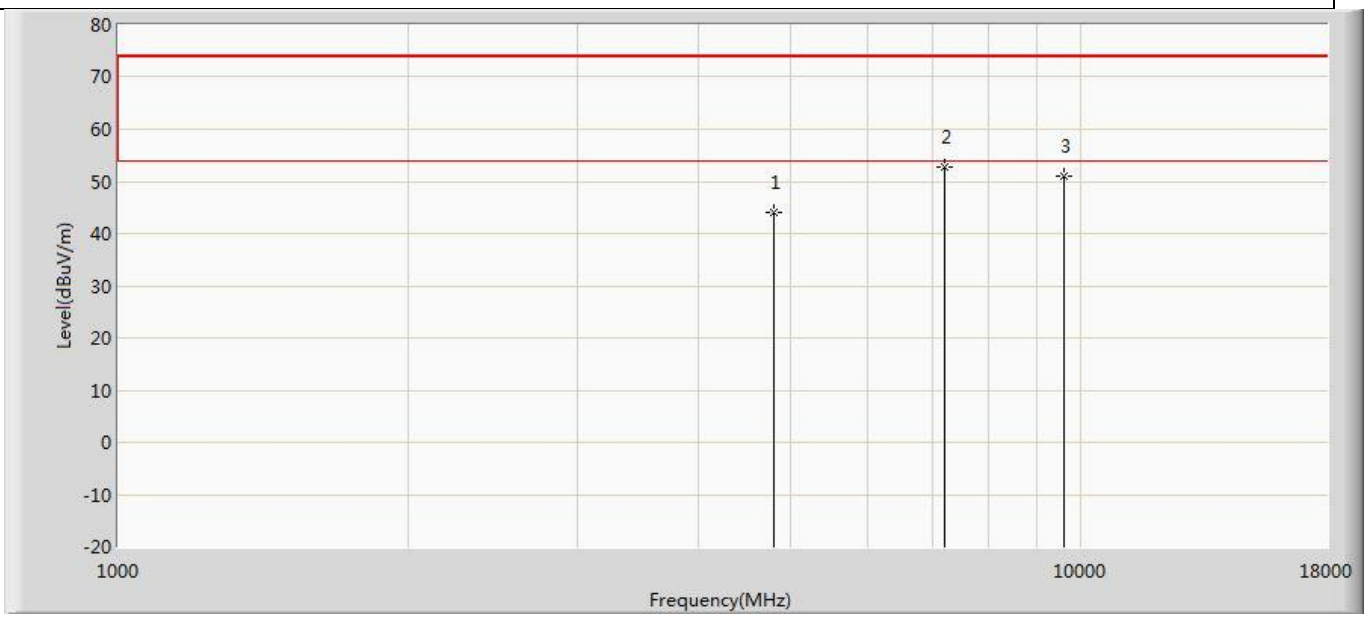
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	45.324	56.030	-28.676	74.000	-10.707	PK
2		7443.000	52.044	58.801	-21.956	74.000	-6.757	PK
3	*	9920.000	52.644	54.466	-21.356	74.000	-1.821	PK

Profile: 2410388R	Page No.: 49
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 2402MHz byLE_Coded S=2	



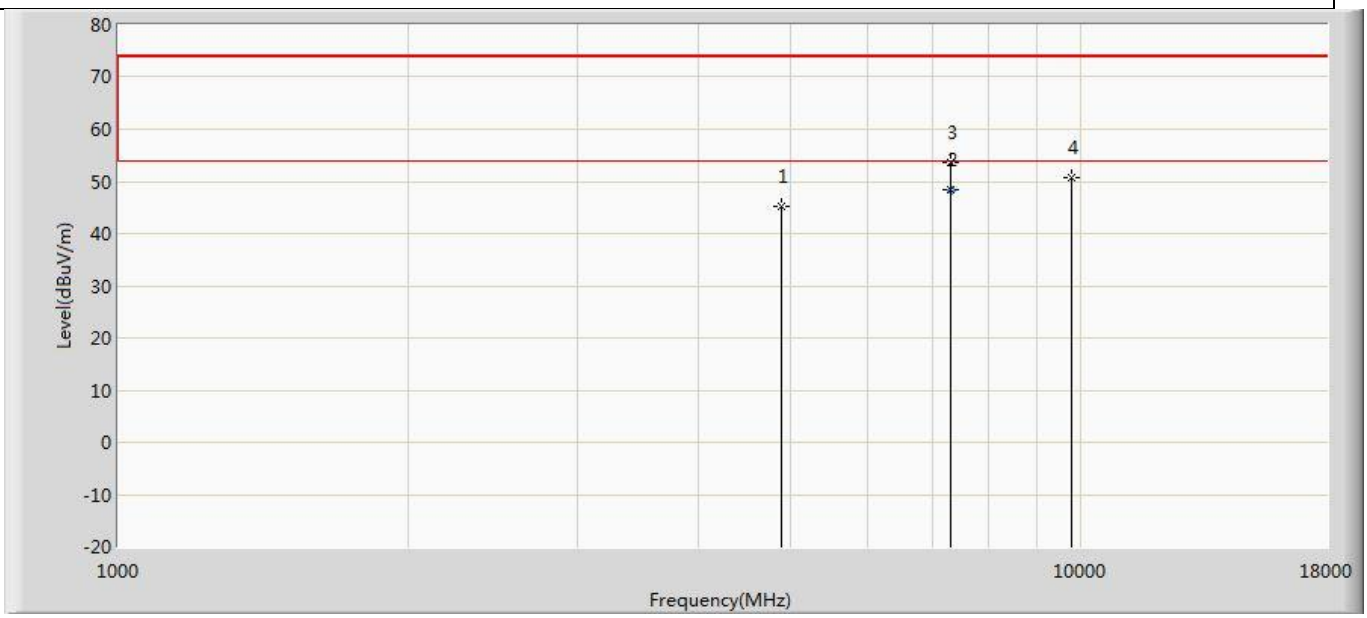
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	45.037	56.925	-28.963	74.000	-11.888	PK
2		7205.000	53.393	59.543	-20.607	74.000	-6.150	PK
3	*	7206.760	47.992	54.170	-6.008	54.000	-6.179	AV
4		9608.000	51.321	54.544	-22.679	74.000	-3.222	PK

Profile: 2410388R	Page No.: 50
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 2402MHz byLE_Coded S=2	



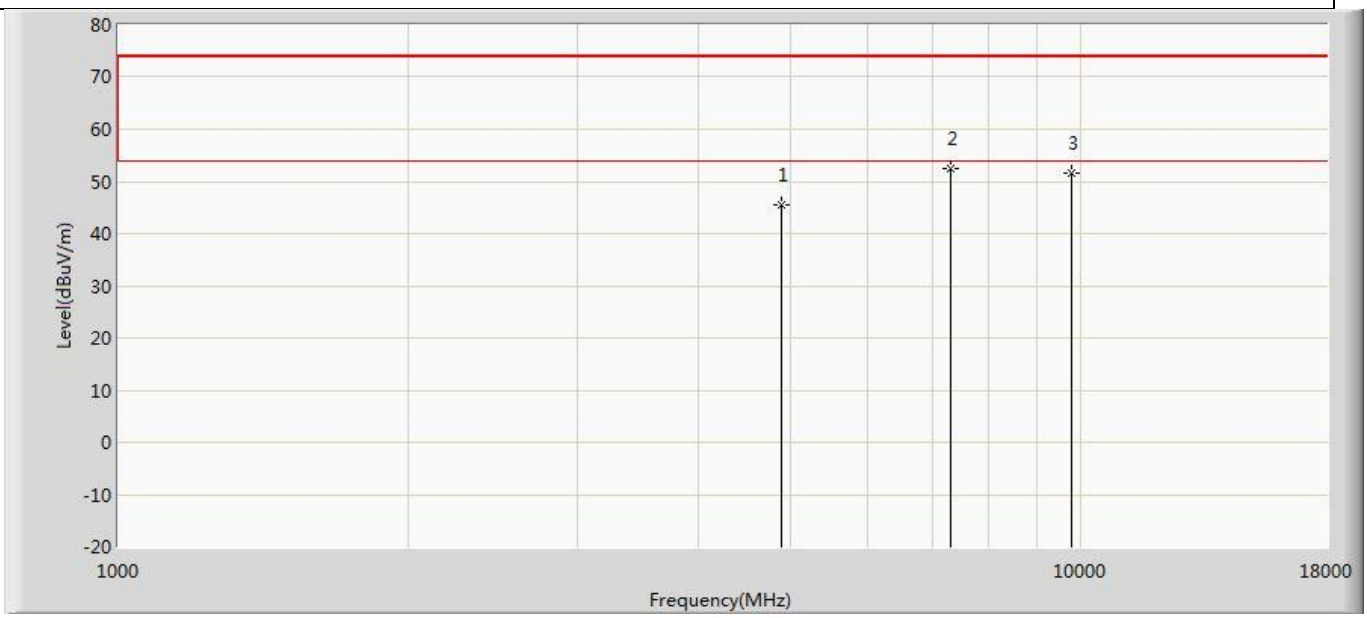
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4804.000	44.049	55.937	-29.951	74.000	-11.888	PK
2	*	7205.000	52.892	59.042	-21.108	74.000	-6.150	PK
3		9608.000	51.067	54.290	-22.933	74.000	-3.222	PK

Profile: 2410388R	Page No.: 51
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:02
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 2440MHz byLE_Coded S=2	



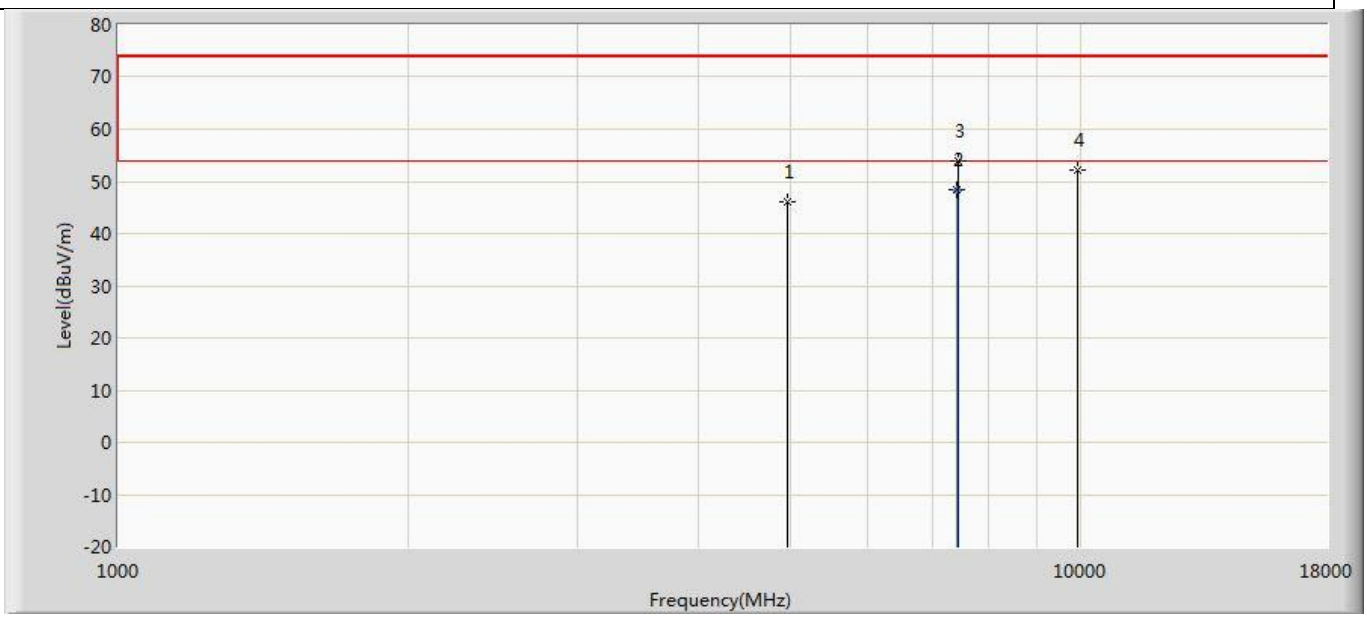
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.192	55.796	-28.808	74.000	-10.603	PK
2	*	7319.420	48.449	55.390	-5.551	54.000	-6.941	AV
3		7324.000	53.515	60.350	-20.485	74.000	-6.835	PK
4		9760.000	50.778	53.651	-23.222	74.000	-2.874	PK

Profile: 2410388R	Page No.: 52
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 2440MHz byLE_Coded S=2	



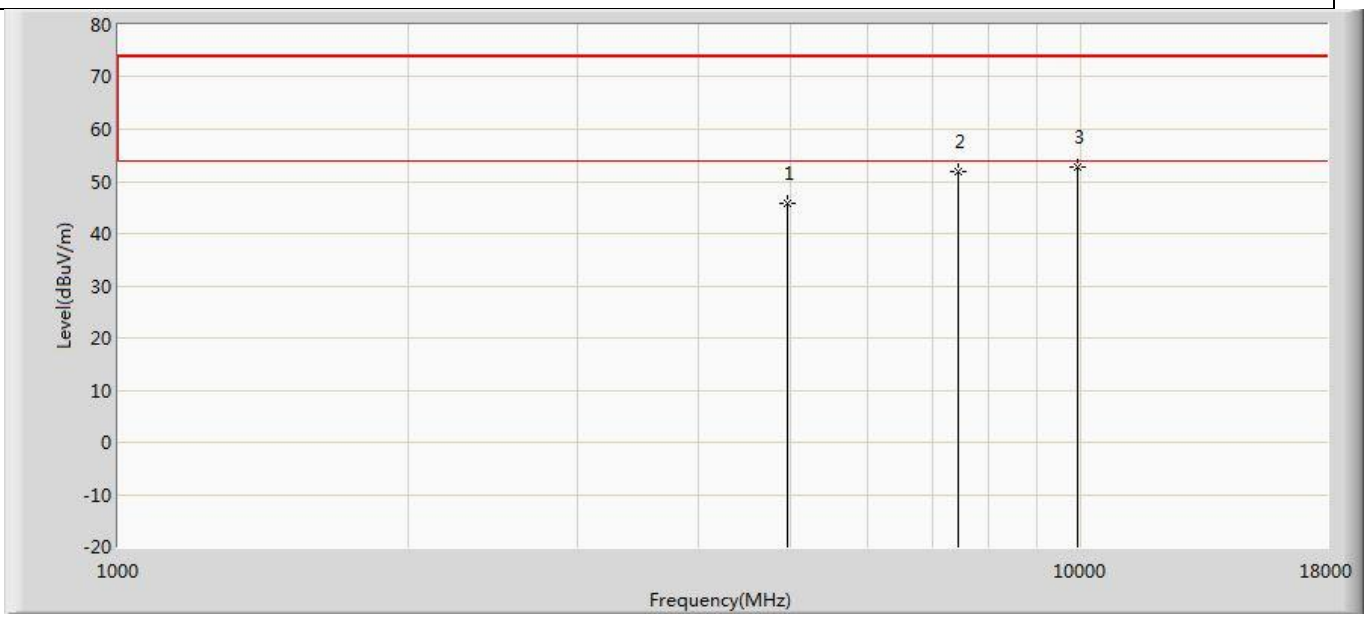
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4880.000	45.364	55.968	-28.636	74.000	-10.603	PK
2	*	7324.000	52.319	59.154	-21.681	74.000	-6.835	PK
3		9760.000	51.541	54.414	-22.459	74.000	-2.874	PK

Profile: 2410388R	Page No.: 53
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 2480MHz byLE_Coded S=2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	46.012	56.718	-27.988	74.000	-10.707	PK
2	*	7440.800	48.347	55.120	-5.653	54.000	-6.773	AV
3		7443.000	53.917	60.674	-20.083	74.000	-6.757	PK
4		9920.000	52.227	54.049	-21.773	74.000	-1.821	PK

Profile: 2410388R	Page No.: 54
Engineer: Pengcheng Yang	
Site: AC5	Time: 2024/01/16 - 09:03
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 4：Transmit at 2480MHz byLE_Coded S=2	

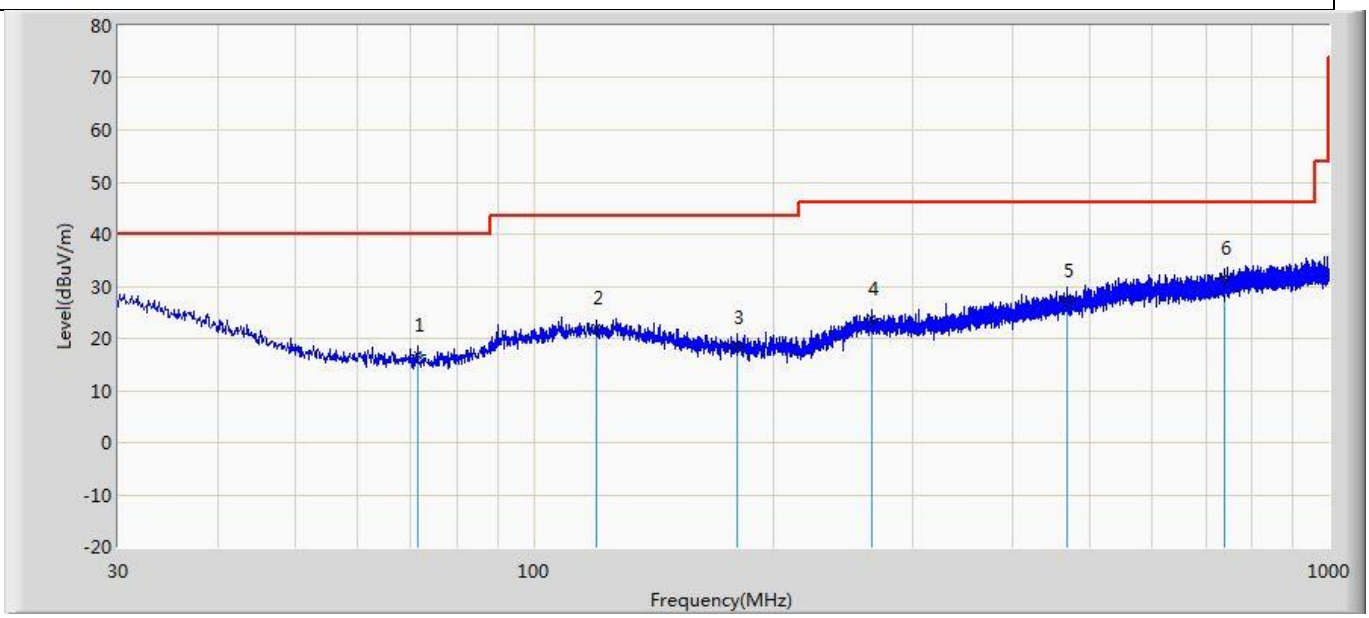


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		4960.000	45.733	56.439	-28.267	74.000	-10.707	PK
2		7443.000	52.005	58.762	-21.995	74.000	-6.757	PK
3	*	9920.000	52.620	54.442	-21.380	74.000	-1.821	PK

Note:
1. Measured Level = Reading Level + Factor.
2. The test frequency range, 9kHz~30MHz, worst case are at least 20dB below the limits, therefore no data appear in the report.
3. The test frequency range, 18GHz~26GHz test result on peak is lower than average limit, all is the noise base, therefore no data appear in the report.
4. If the test result on peak is lower than average limit, then average measurement needn't be performed.

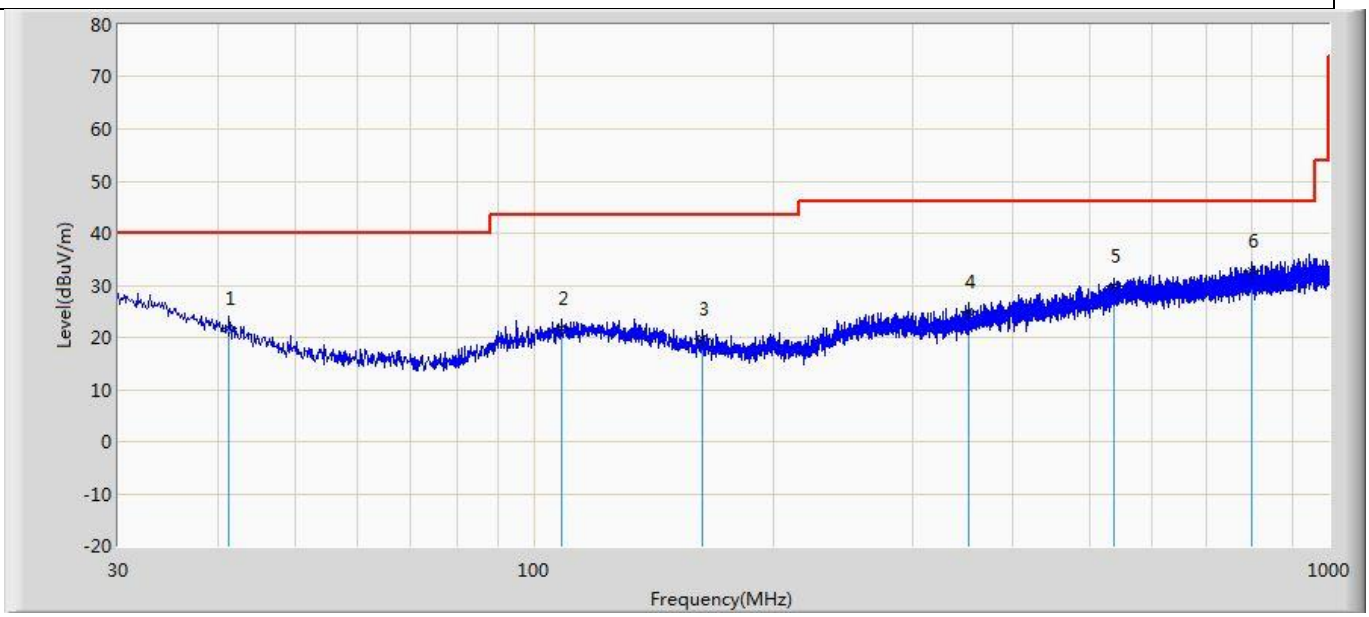
The worst case of Radiated Emission below 1GHz :

Profile: 2410388R	Page No.: 61
Engineer: Pengchengyang	
Site: AC2	Time: 2024/01/17 - 08:17
Limit: FCC_Part 15.209_RE (3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Horizontal
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		71.346	16.940	3.901	-23.060	40.000	13.039	QP
2		119.725	21.945	2.612	-21.555	43.500	19.333	QP
3		180.471	18.398	1.980	-25.102	43.500	16.417	QP
4		265.589	23.885	3.321	-22.115	46.000	20.564	QP
5		467.955	27.188	2.203	-18.812	46.000	24.985	QP
6	*	738.343	31.533	3.238	-14.467	46.000	28.295	QP

Profile: 2410388R	Page No.: 62
Engineer: Pengchengyang	
Site: AC2	Time: 2024/01/17 - 08:18
Limit: FCC_Part 15.209_RE (3m)	Margin: 0
Probe: CBL6112D_27613(30-1000MHz)	Polarity: Vertical
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by LE_1Mbps	

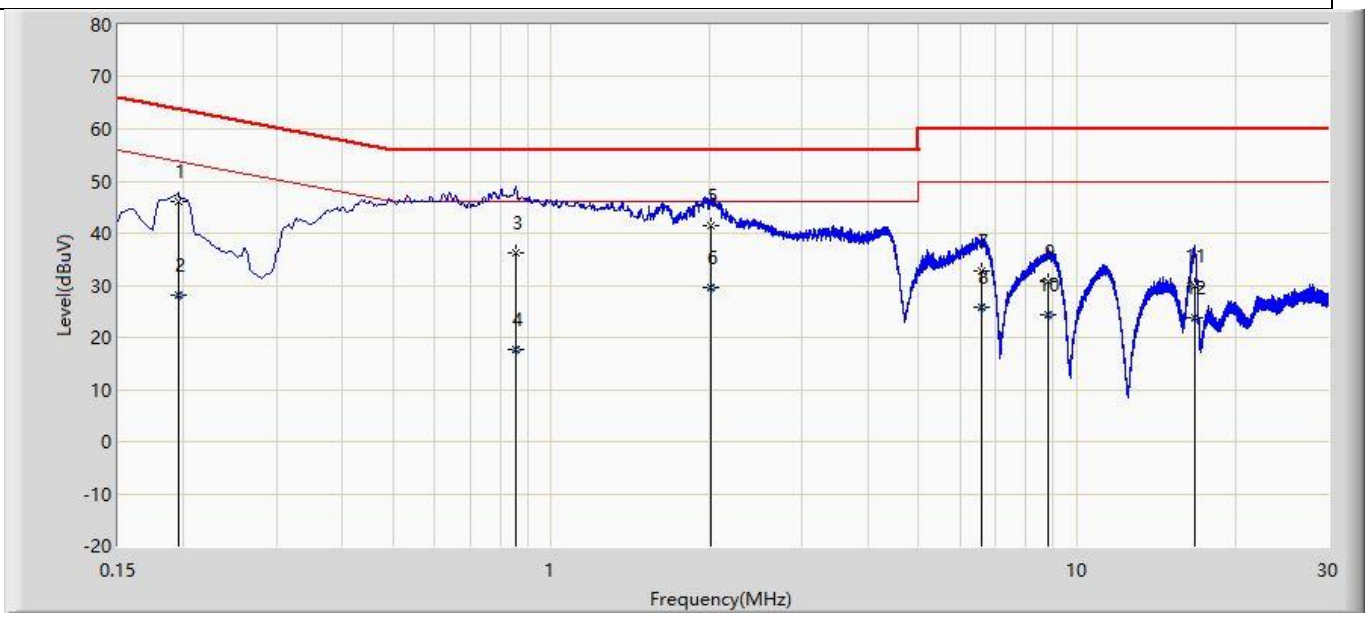


No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		41.397	21.780	2.944	-18.220	40.000	18.835	QP
2		108.449	21.830	2.907	-21.670	43.500	18.923	QP
3		162.769	19.853	2.938	-23.647	43.500	16.915	QP
4		351.797	24.875	2.718	-21.125	46.000	22.157	QP
5		536.340	29.822	3.107	-16.178	46.000	26.715	QP
6	*	800.059	32.850	3.433	-13.150	46.000	29.418	QP

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

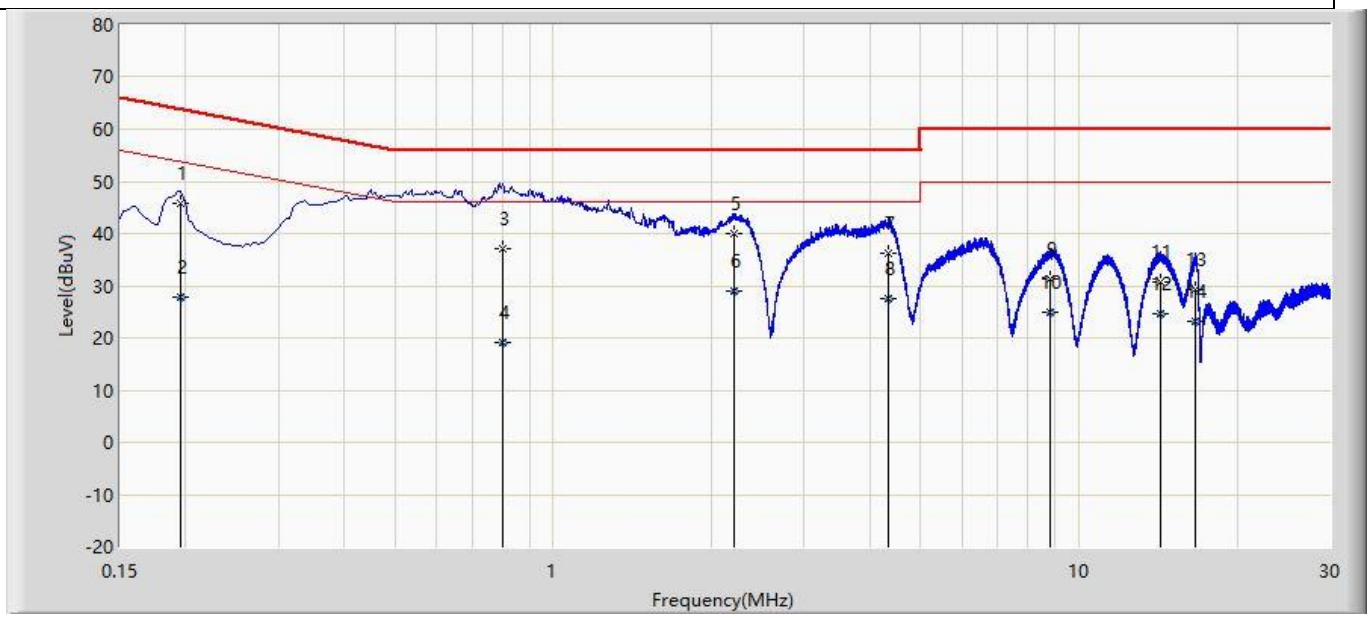
Appendix I: AC Power Line Conducted Emission

Profile: 2410388R	Page No.: 21
Engineer: Pengchengyang	
Site: TR1	Time: 2024/01/17 - 08:53
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Line
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.195	45.976	36.354	-17.845	63.821	9.623	QP
2		0.195	27.996	18.373	-25.825	53.821	9.623	AV
3		0.857	36.235	26.576	-19.765	56.000	9.658	QP
4		0.857	17.565	7.906	-28.435	46.000	9.658	AV
5	*	2.013	41.428	31.732	-14.572	56.000	9.695	QP
6		2.013	29.437	19.742	-16.563	46.000	9.695	AV
7		6.580	32.758	22.953	-27.242	60.000	9.805	QP
8		6.580	25.866	16.061	-24.134	50.000	9.805	AV
9		8.792	30.776	20.928	-29.224	60.000	9.848	QP
10		8.792	24.422	14.574	-25.578	50.000	9.848	AV
11		16.717	29.766	19.730	-30.234	60.000	10.036	QP
12		16.717	23.810	13.774	-26.190	50.000	10.036	AV

Profile: 2410388R	Page No.: 22
Engineer: Pengchengyang	
Site: TR1	Time: 2024/01/17 - 08:55
Limit: FCC_Part 15.207	Margin: 0
Probe: ENV216_101189(0.009-30MHz)	Polarity: Neutral
EUT: LED device	Power: 120 Vac / 60 Hz
Note: Mode 1：Transmit at 2402MHz by LE_1Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV)	Factor (dB)	Type
1		0.195	45.892	36.260	-17.929	63.821	9.632	QP
2		0.195	27.918	18.286	-25.902	53.821	9.632	AV
3		0.802	37.224	27.564	-18.776	56.000	9.661	QP
4		0.802	19.088	9.427	-26.912	46.000	9.661	AV
5	*	2.207	39.879	30.177	-16.121	56.000	9.702	QP
6		2.207	29.058	19.356	-16.942	46.000	9.702	AV
7		4.337	36.275	26.518	-19.725	56.000	9.757	QP
8		4.337	27.673	17.916	-18.327	46.000	9.757	AV
9		8.835	31.364	21.503	-28.636	60.000	9.861	QP
10		8.835	24.851	14.989	-25.149	50.000	9.861	AV
11		14.275	30.726	20.774	-29.274	60.000	9.952	QP
12		14.275	24.763	14.811	-25.237	50.000	9.952	AV
13		16.633	29.335	19.342	-30.665	60.000	9.992	QP
14		16.633	23.214	13.221	-26.786	50.000	9.992	AV

Note:
1. " * ", means this data is the worst emission level.
2. Measurement Level = Reading Level + Factor(Probe+Cable-Amp)

The End