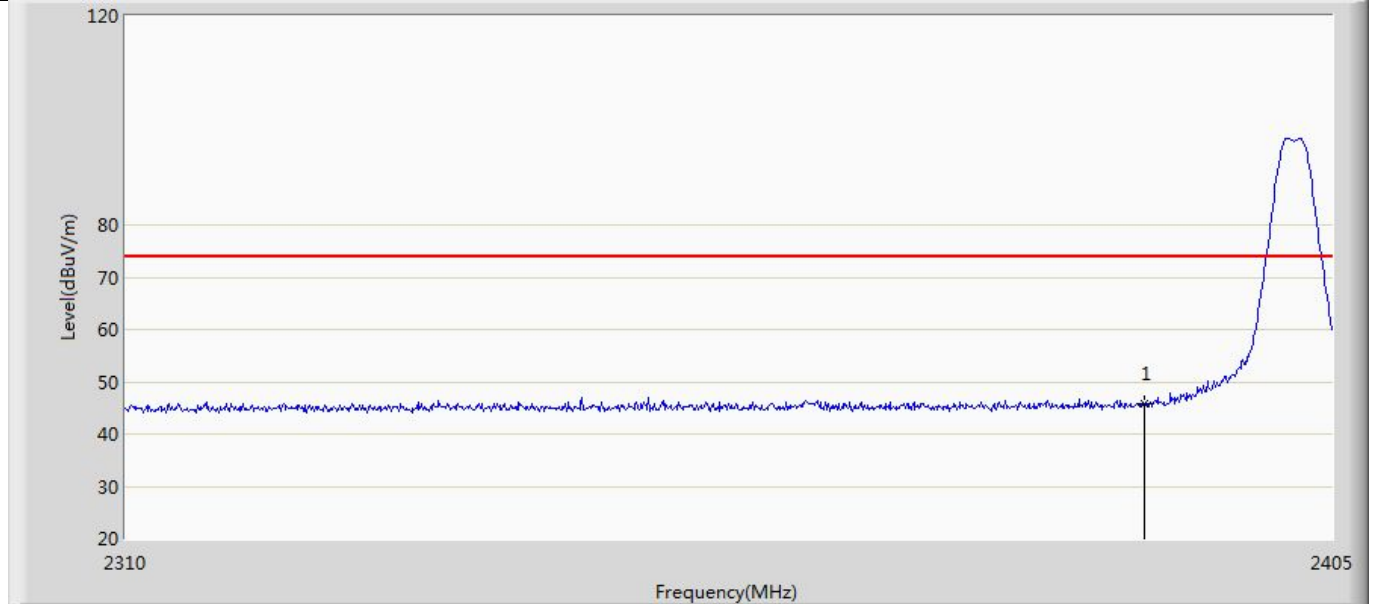
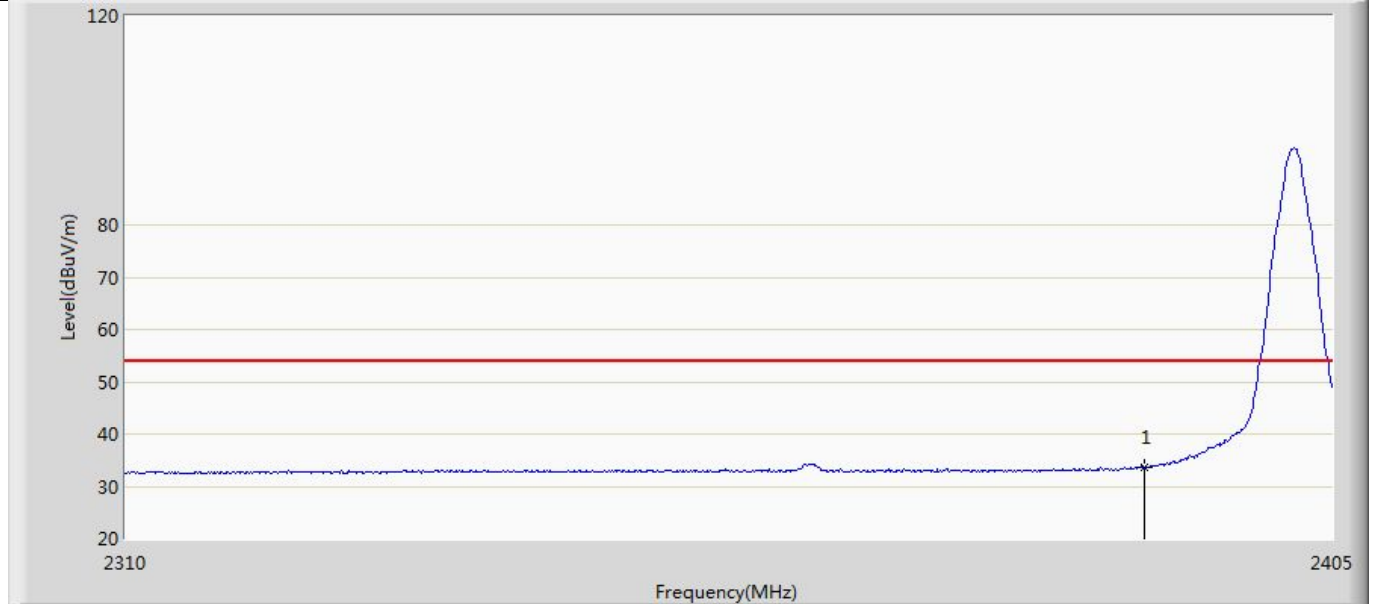


Profile: 2320237R	Page No.: 9
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:19
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



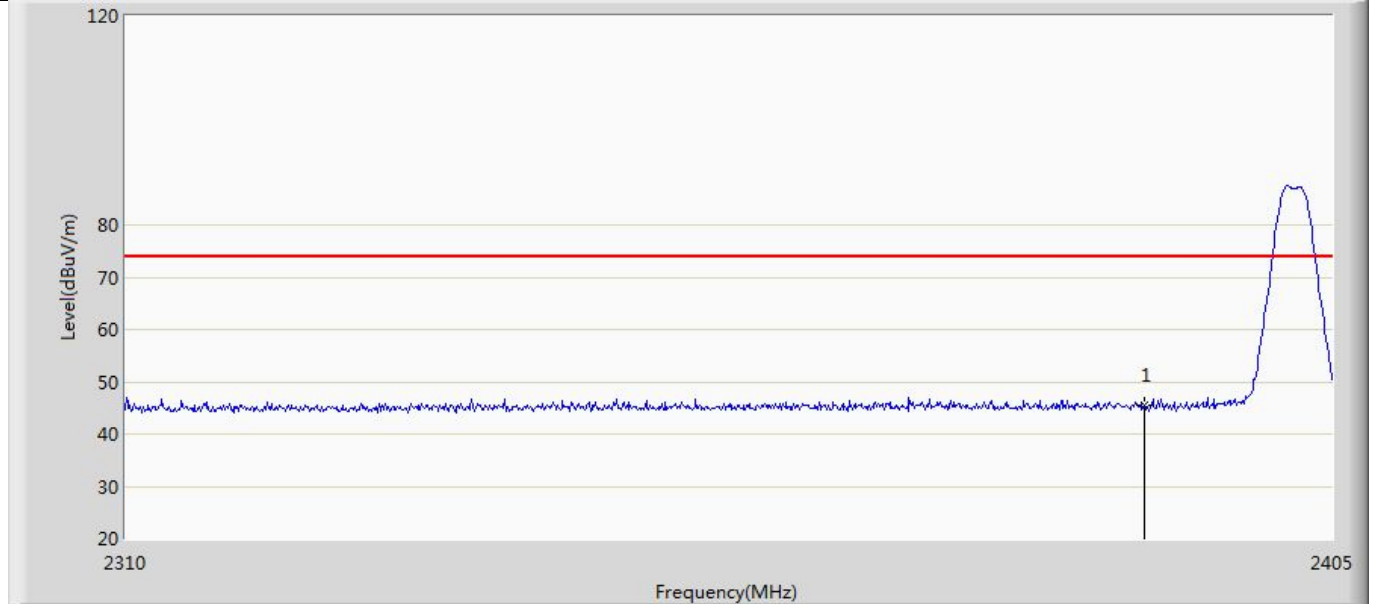
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.860	11.776	-28.140	74.000	34.084	PK

Profile: 2320237R	Page No.: 10
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:20
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



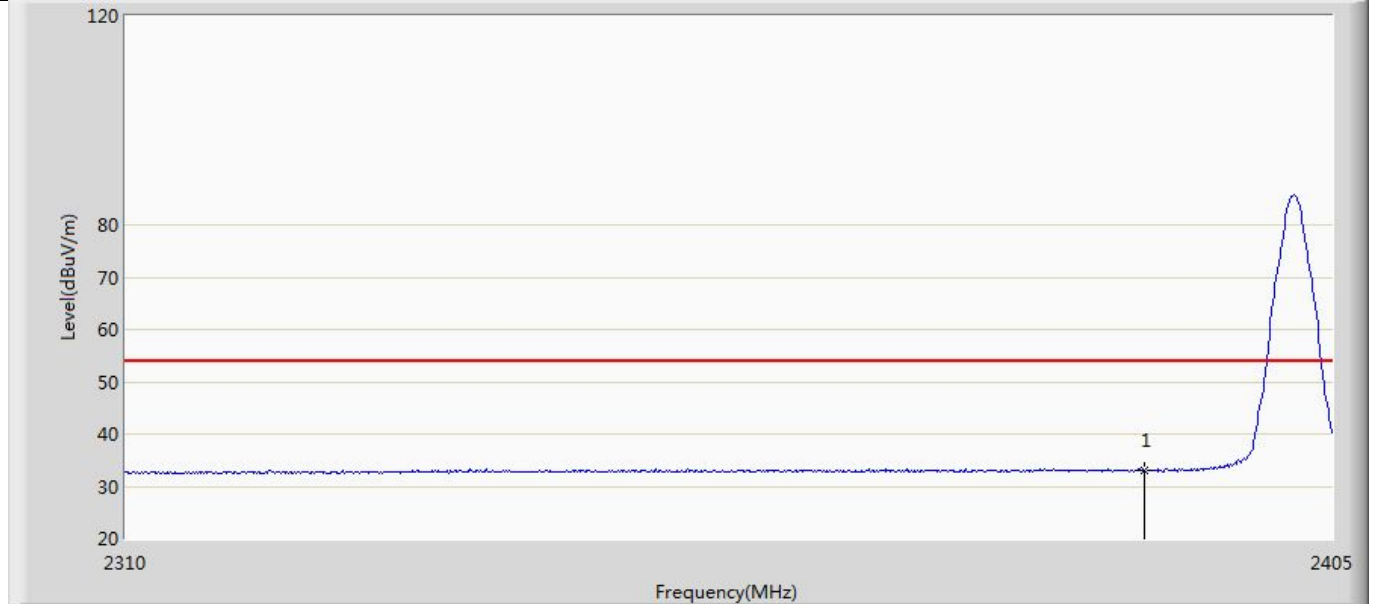
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.487	-0.597	-20.513	54.000	34.084	AV

Profile: 2320237R	Page No.: 11
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:21
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



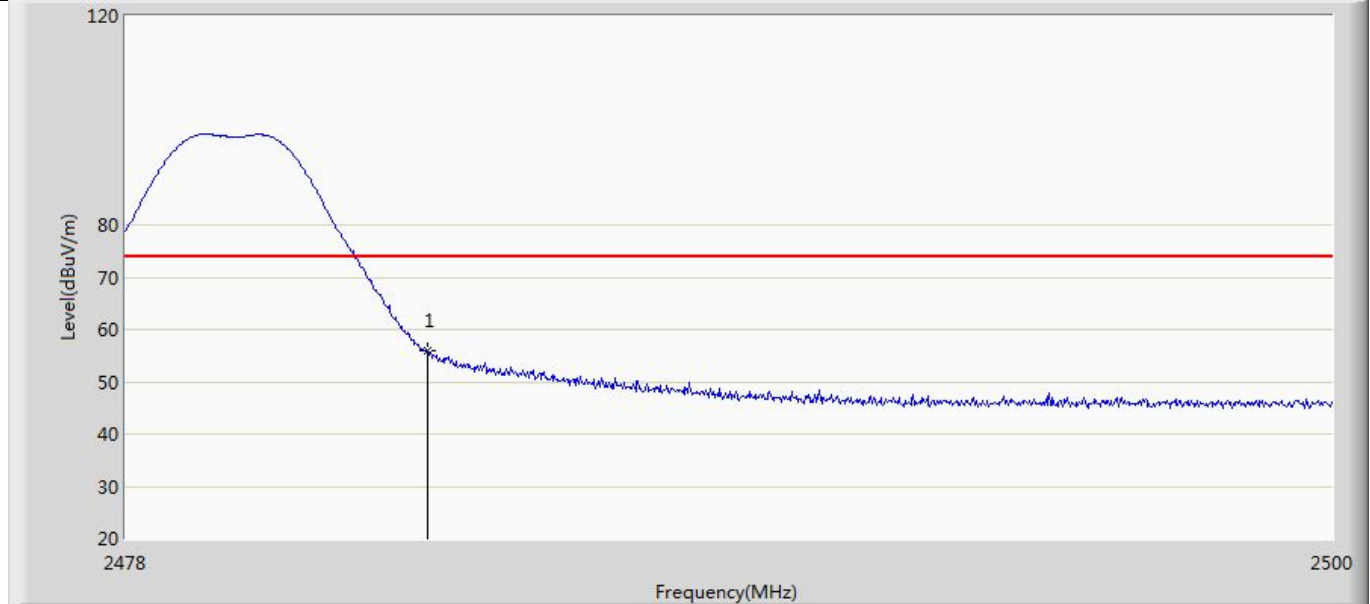
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.383	11.299	-28.617	74.000	34.084	PK

Profile: 2320237R	Page No.: 12
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:23
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2402MHz by LE_2Mbps	



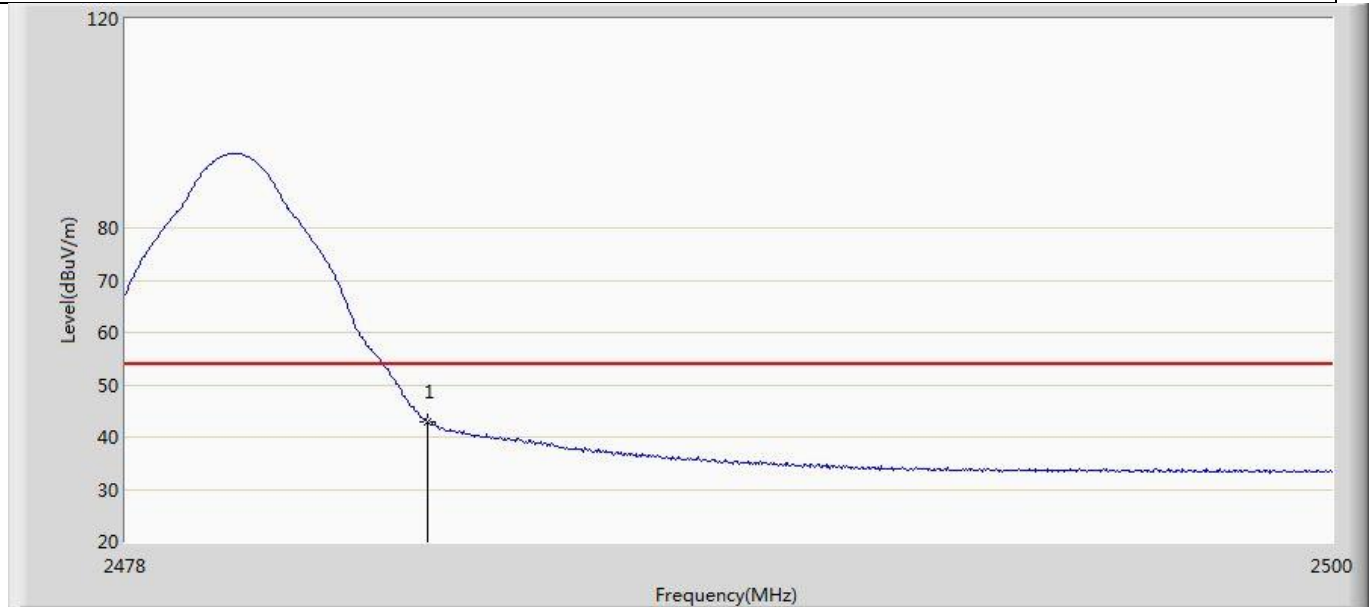
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.108	-0.976	-20.892	54.000	34.084	AV

Profile: 2320237R	Page No.: 13
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



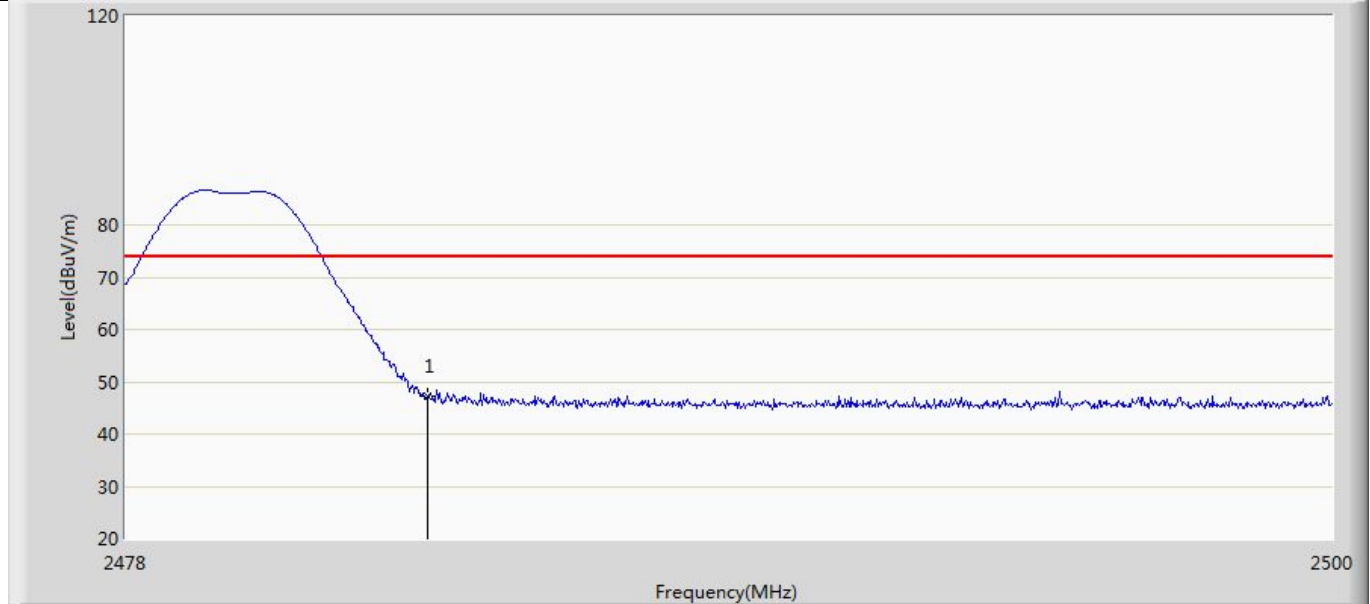
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	55.955	21.464	-18.045	74.000	34.491	PK

Profile: 2320237R	Page No.: 14
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



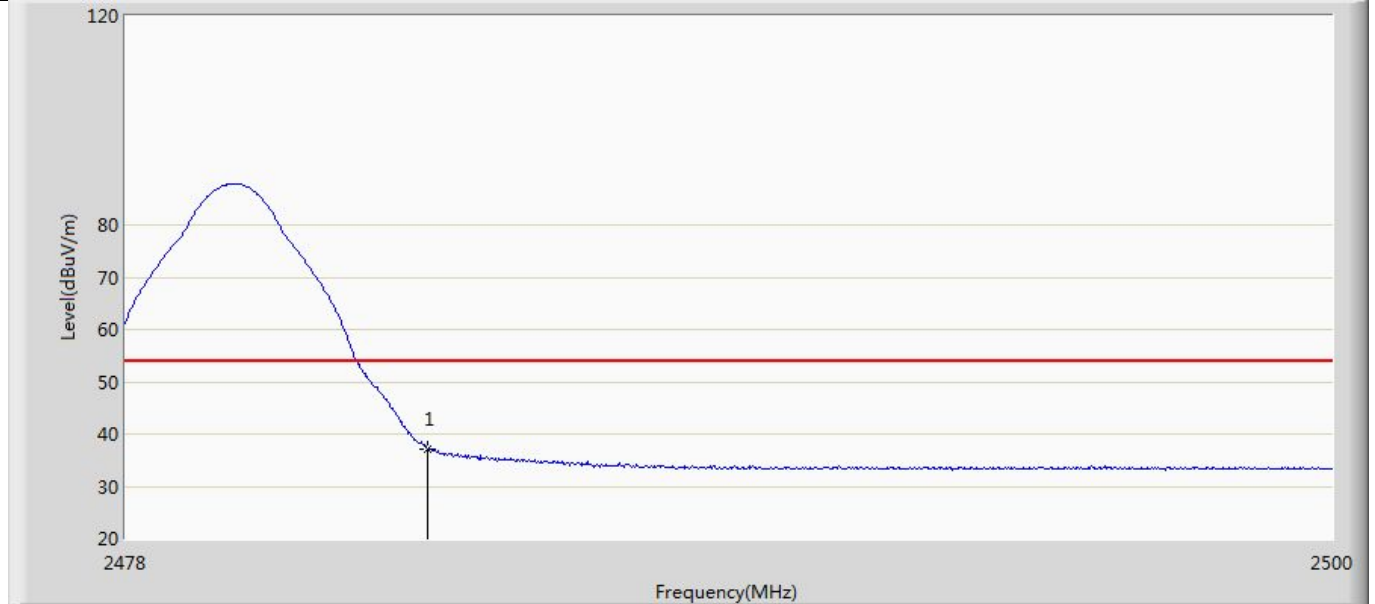
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	43.029	8.538	-10.971	54.000	34.491	AV

Profile: 2320237R	Page No.: 15
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:26
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
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	*	2483.500	47.160	12.669	-26.840	74.000	34.491	PK

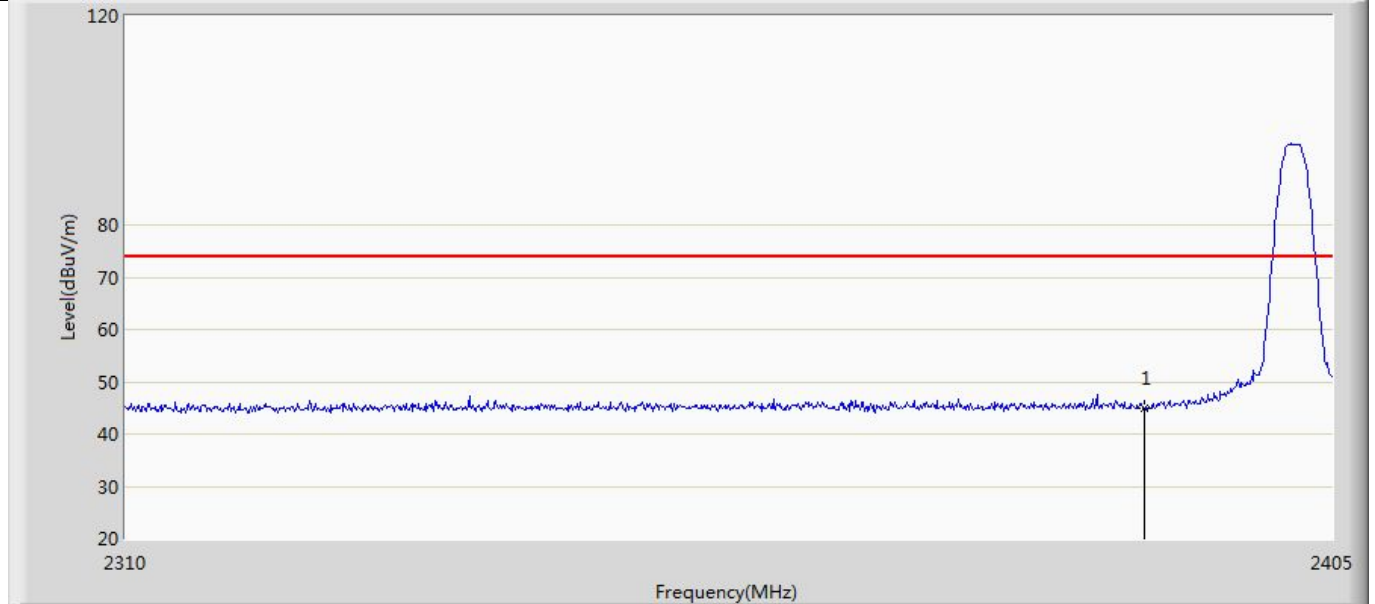
Profile: 2320237R	Page No.: 16
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:27
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 2 : Transmit at 2480MHz by LE_2Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	37.146	2.655	-16.854	54.000	34.491	AV

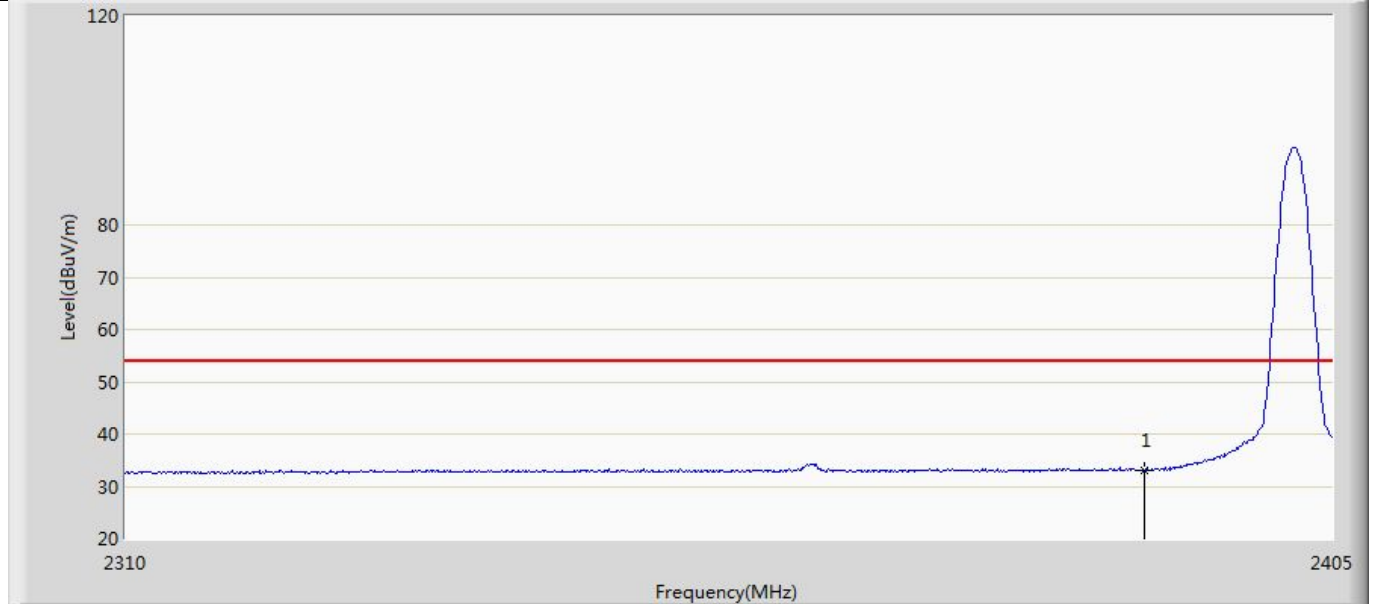


Profile: 2320237R	Page No.: 25
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=2	



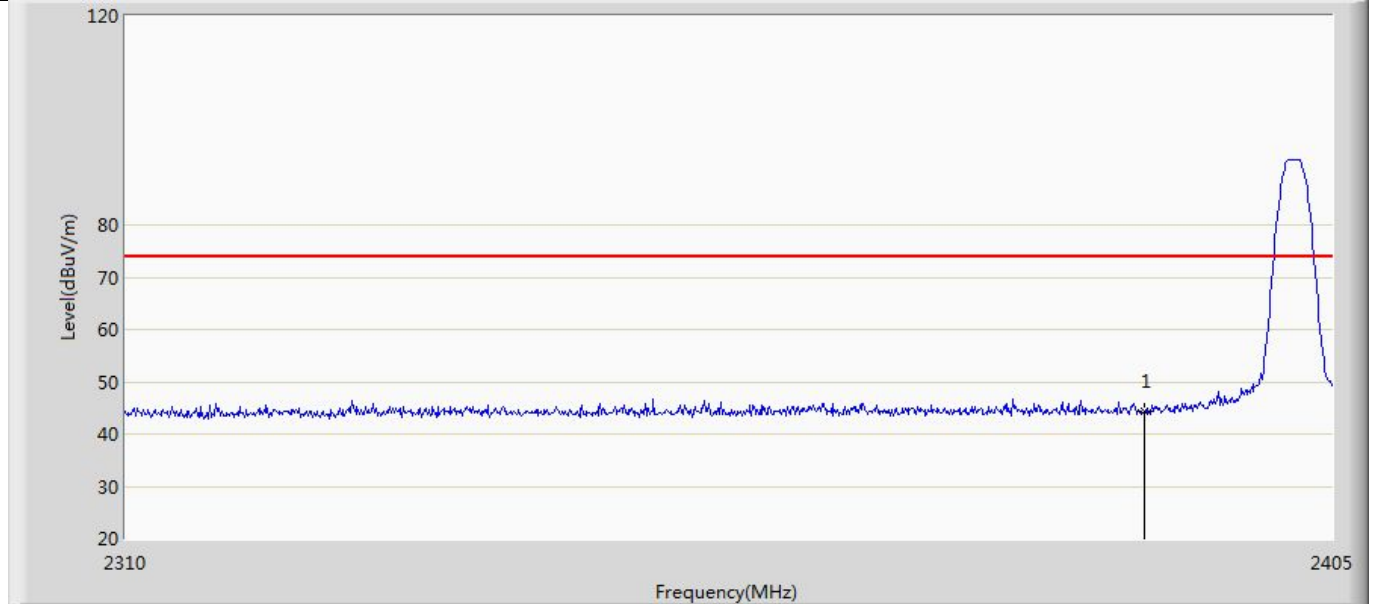
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.036	10.952	-28.964	74.000	34.084	PK

Profile: 2320237R	Page No.: 26
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=2	



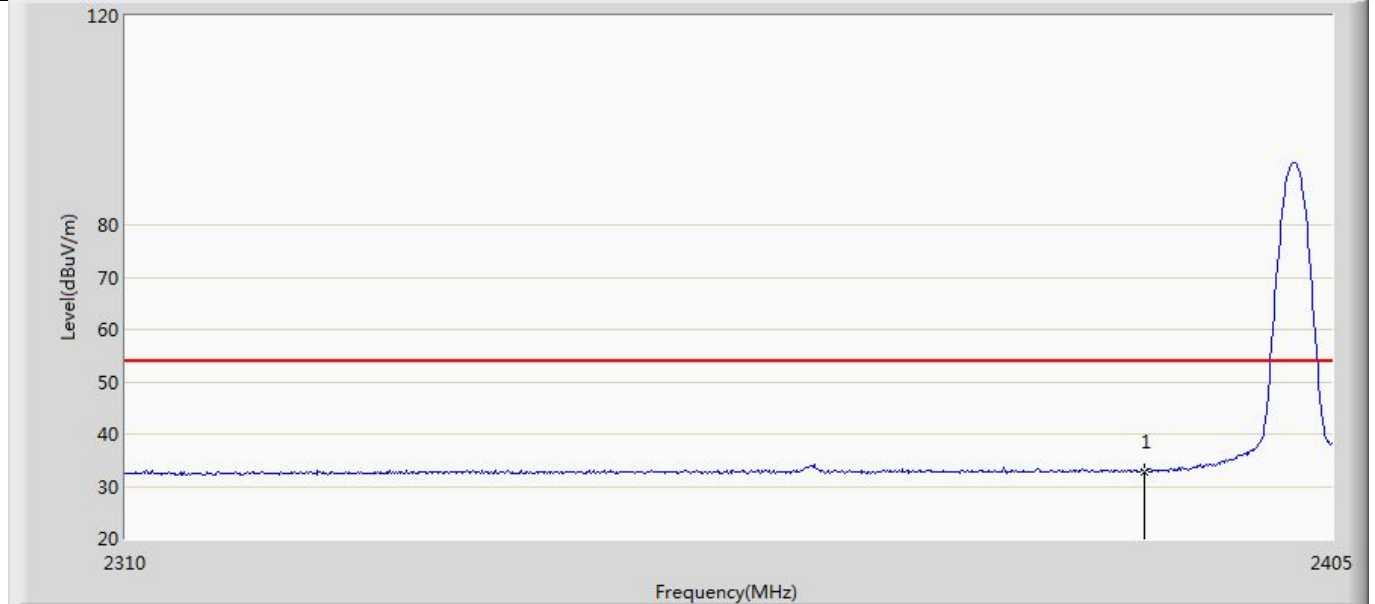
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.105	-0.979	-20.895	54.000	34.084	AV

Profile: 2320237R	Page No.: 27
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=2	



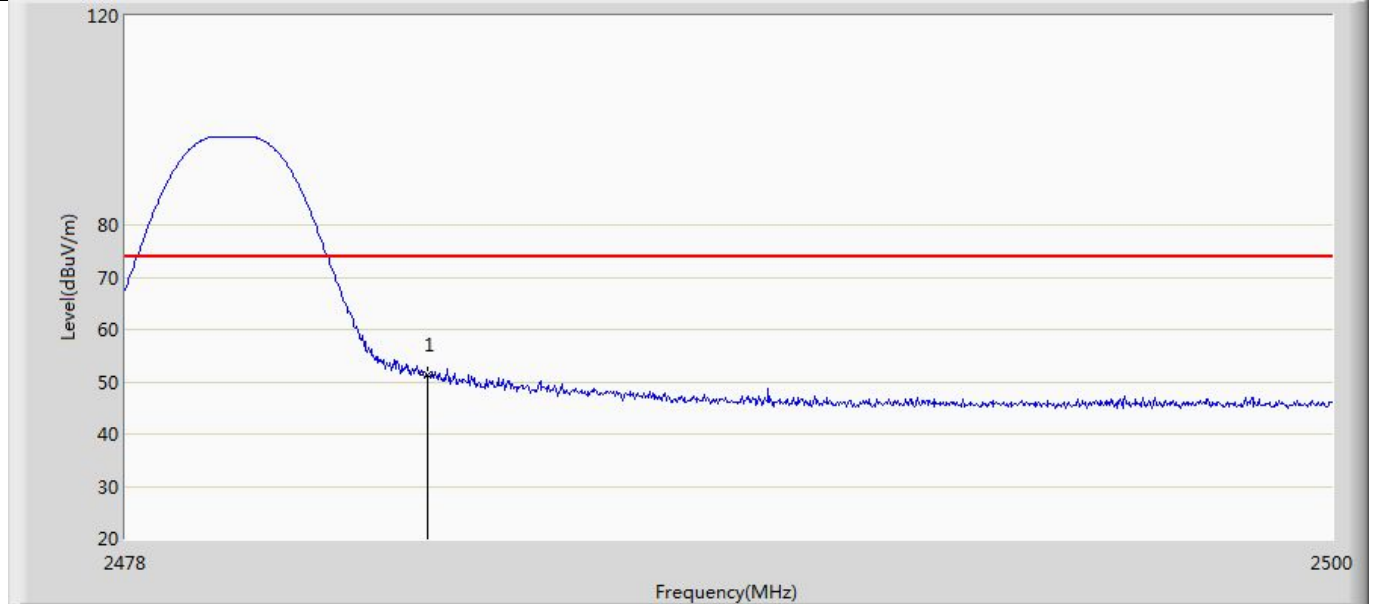
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	44.373	10.289	-29.627	74.000	34.084	PK

Profile: 2320237R	Page No.: 28
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=2	



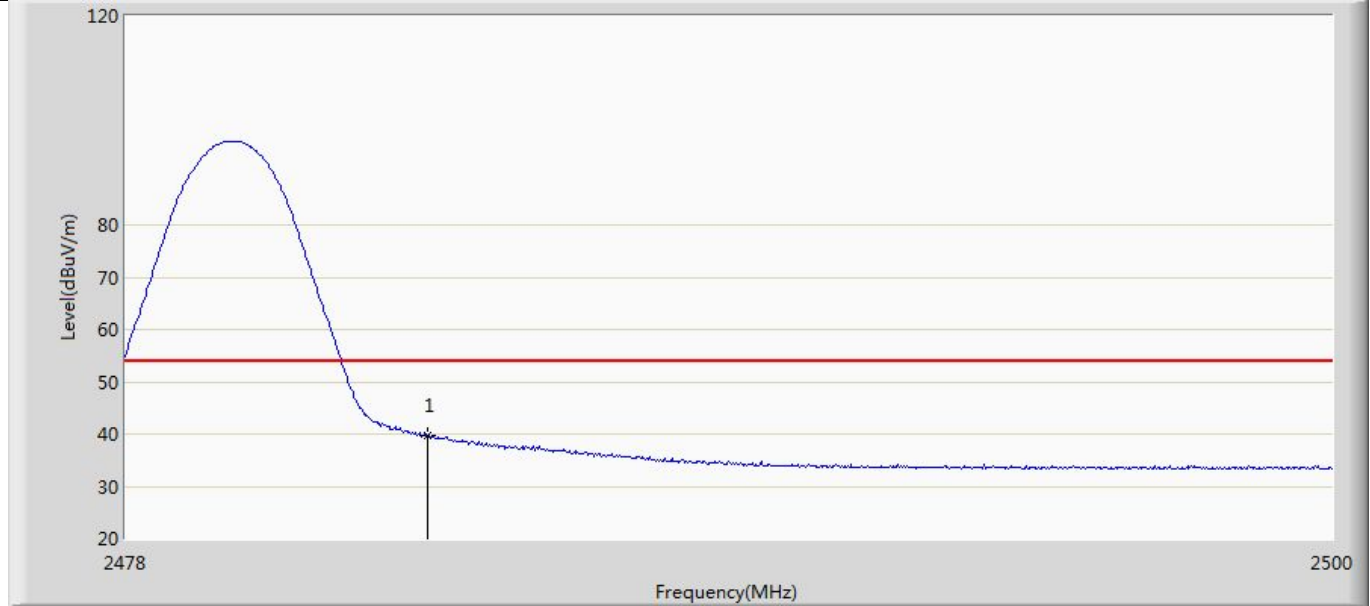
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	32.809	-1.275	-21.191	54.000	34.084	AV

Profile: 2320237R	Page No.: 29
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=2	



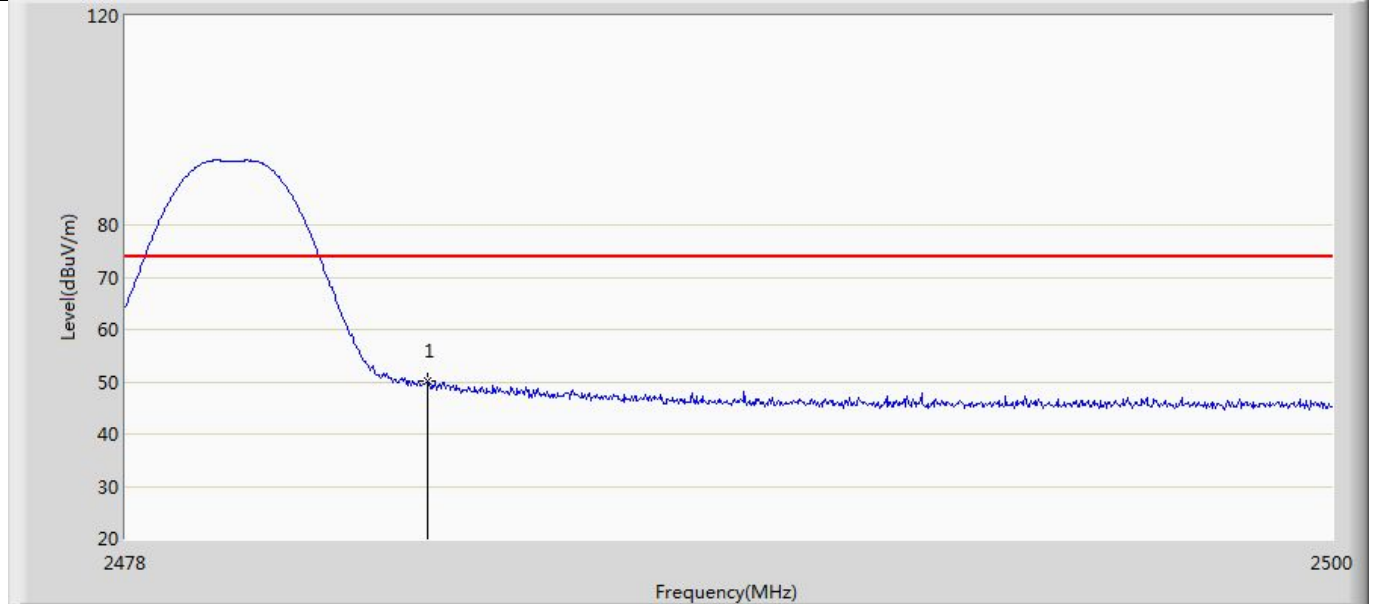
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	51.286	16.795	-22.714	74.000	34.491	PK

Profile: 2320237R	Page No.: 30
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=2	



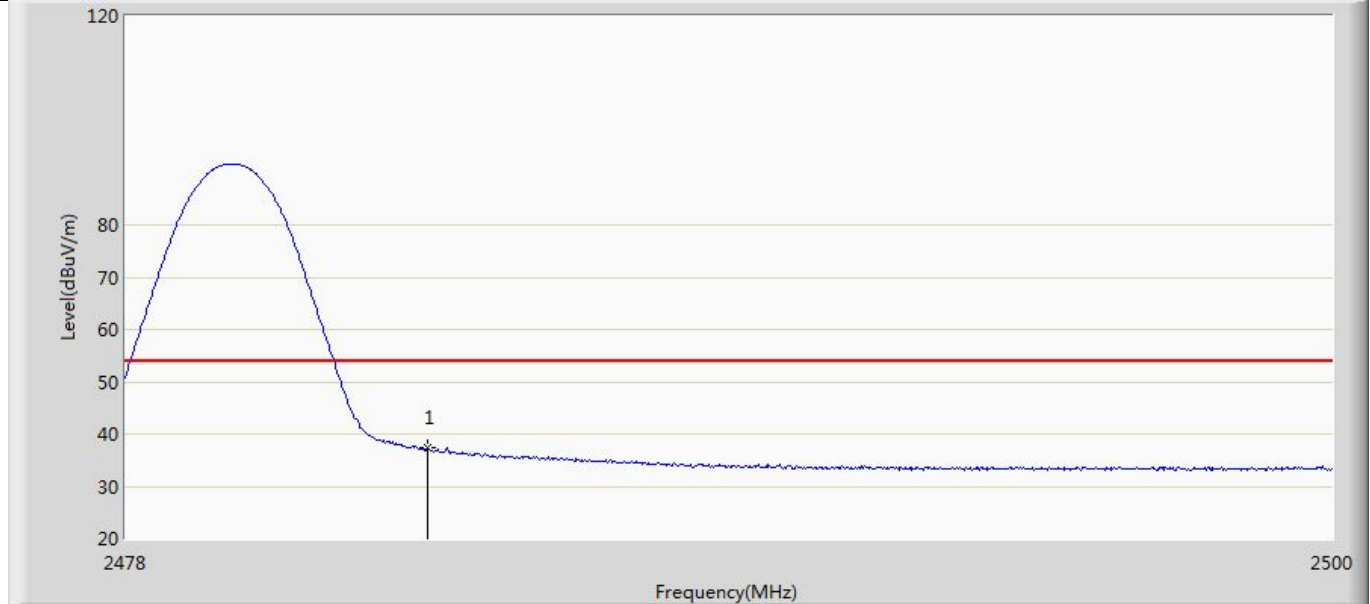
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.587	5.096	-14.413	54.000	34.491	AV

Profile: 2320237R	Page No.: 31
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	50.086	15.595	-23.914	74.000	34.491	PK

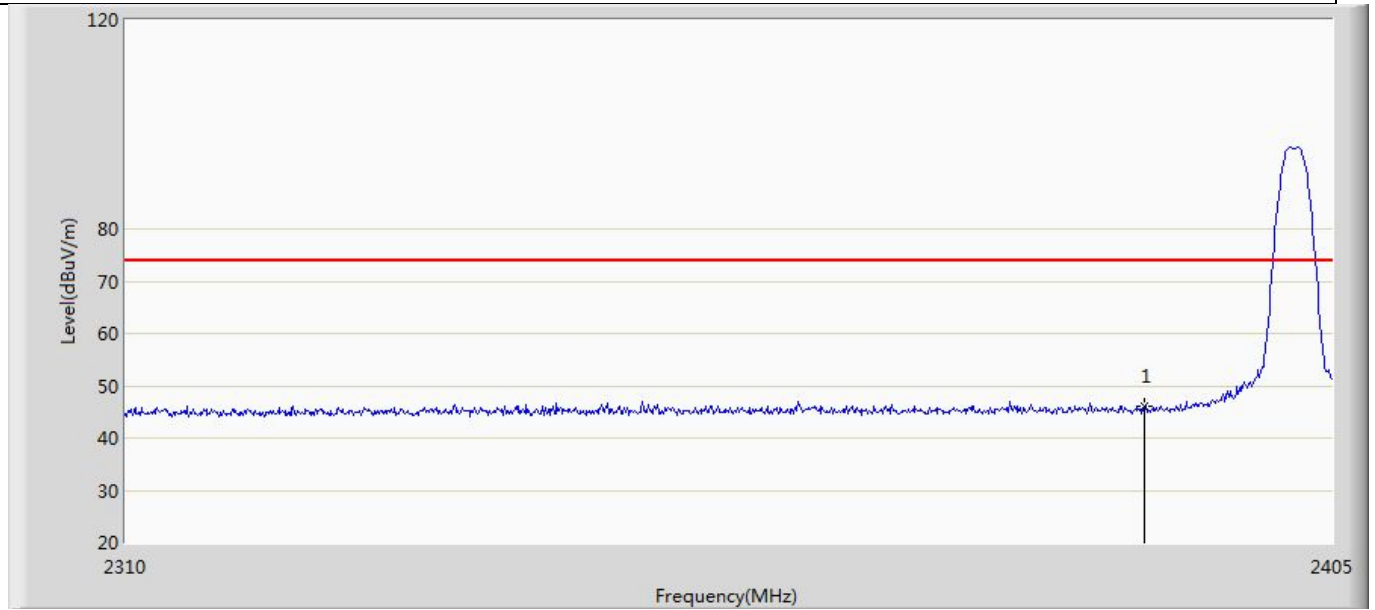
Profile: 2320237R	Page No.: 32
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:45
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=2	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	37.352	2.861	-16.648	54.000	34.491	AV

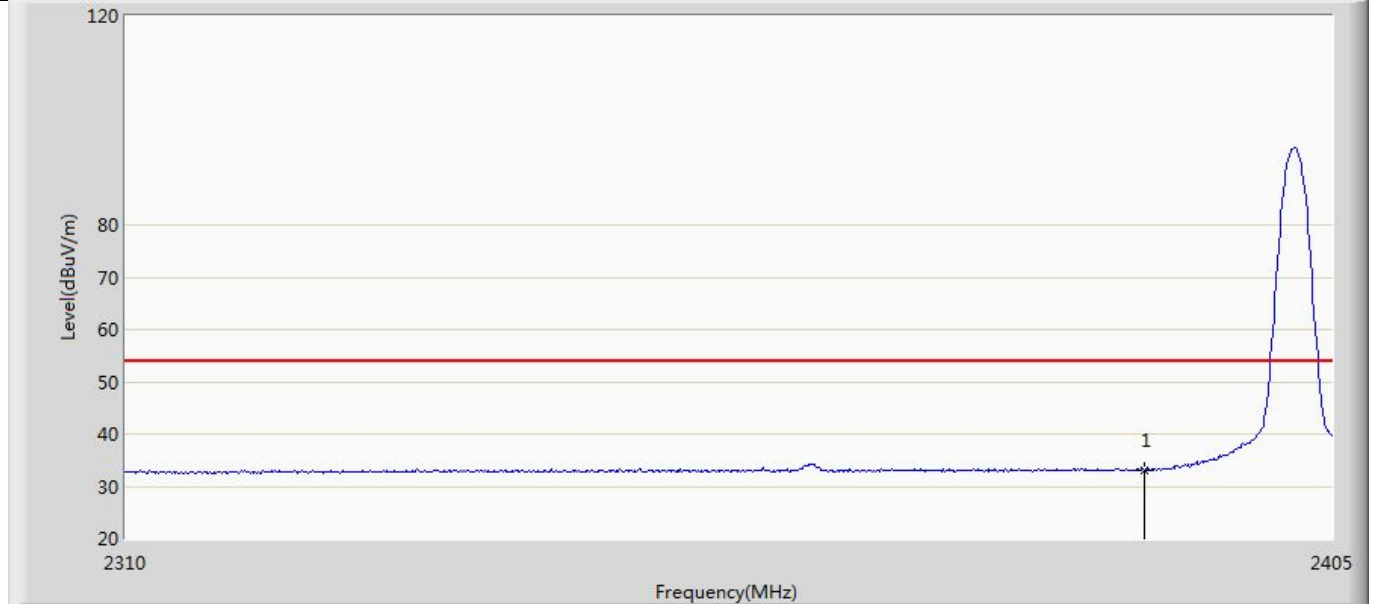


Profile: 2320237R	Page No.: 17
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:28
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=8	



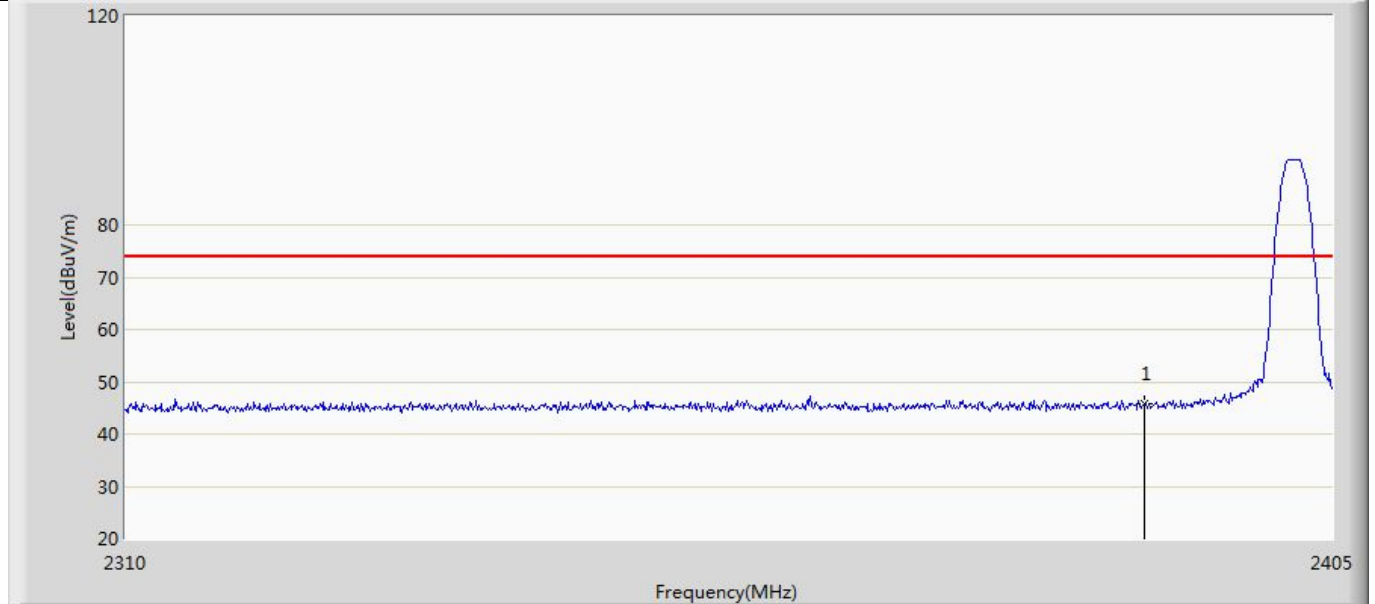
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.952	11.868	-28.048	74.000	34.084	PK

Profile: 2320237R	Page No.: 18
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=8	



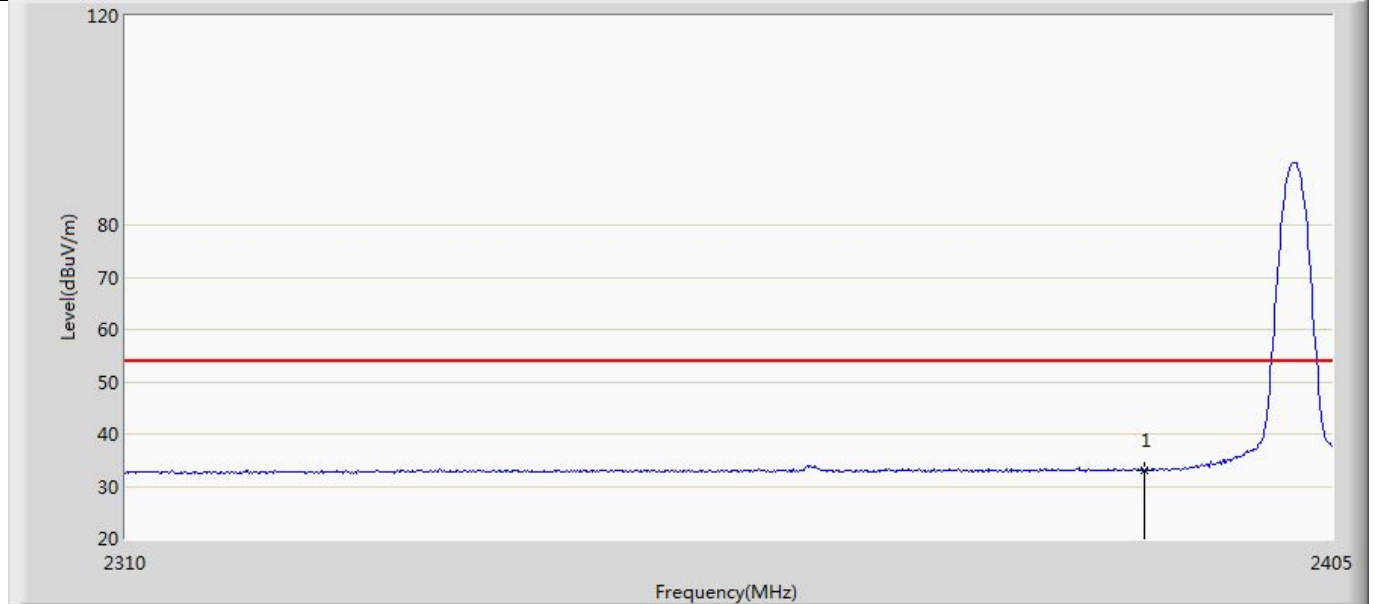
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.146	-0.938	-20.854	54.000	34.084	AV

Profile: 2320237R	Page No.: 19
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=8	



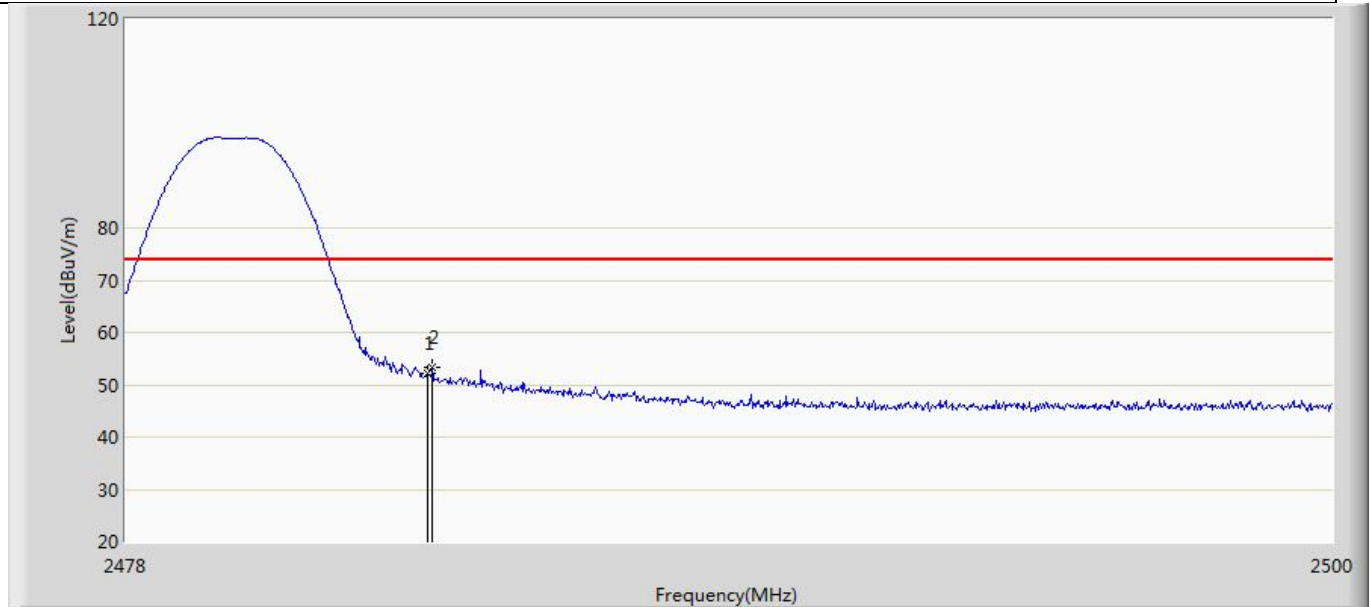
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.658	11.574	-28.342	74.000	34.084	PK

Profile: 2320237R	Page No.: 20
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:32
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=8	



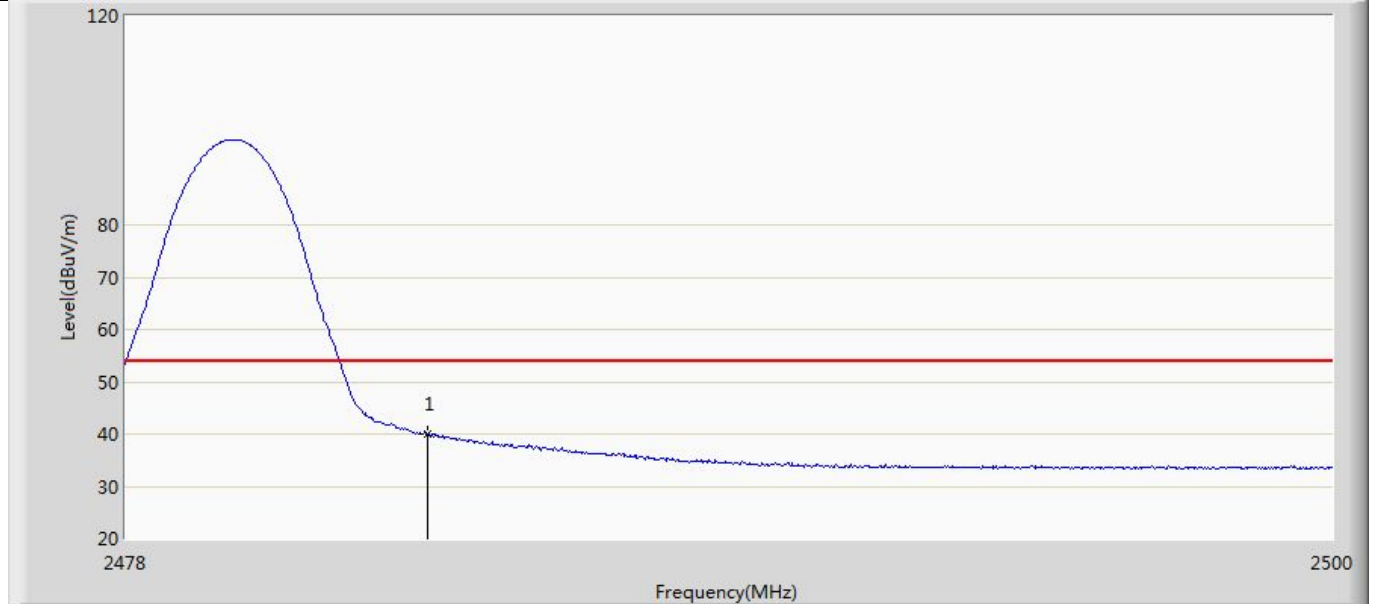
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.117	-0.967	-20.883	54.000	34.084	AV

Profile: 2320237R	Page No.: 21
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:33
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=8	



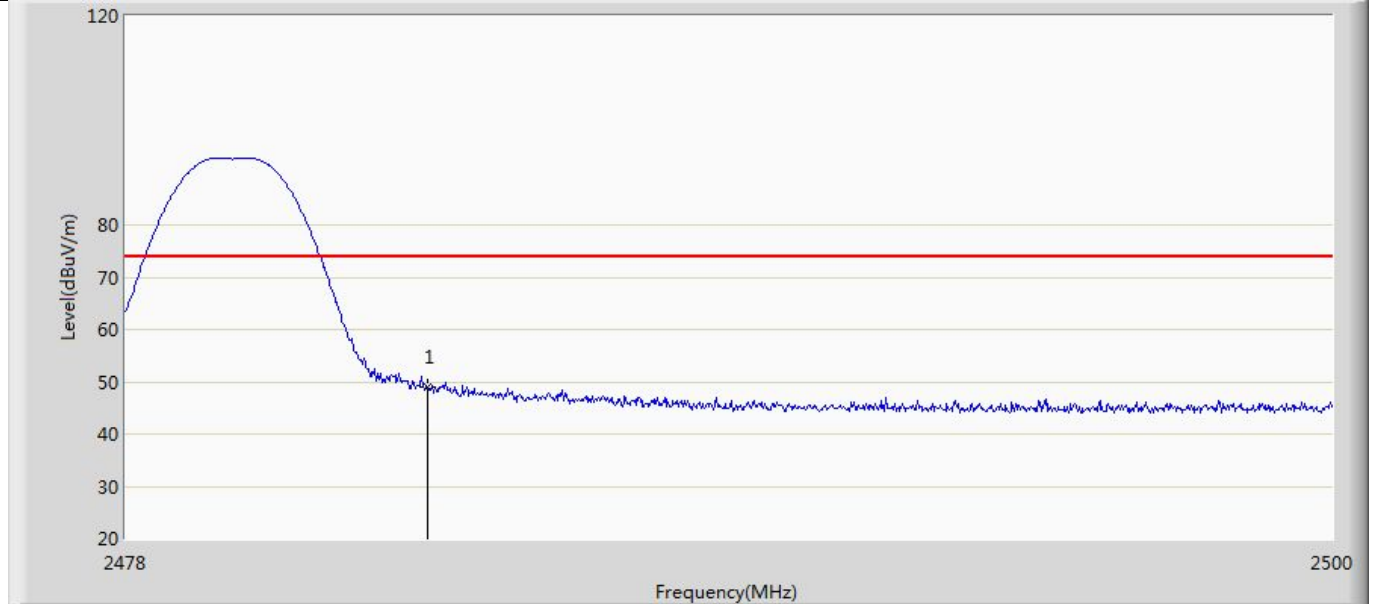
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1		2483.500	52.158	17.667	-21.842	74.000	34.491	PK
2	*	2483.588	53.429	18.937	-20.571	74.000	34.492	PK

Profile: 2320237R	Page No.: 22
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Horizontal
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=8	



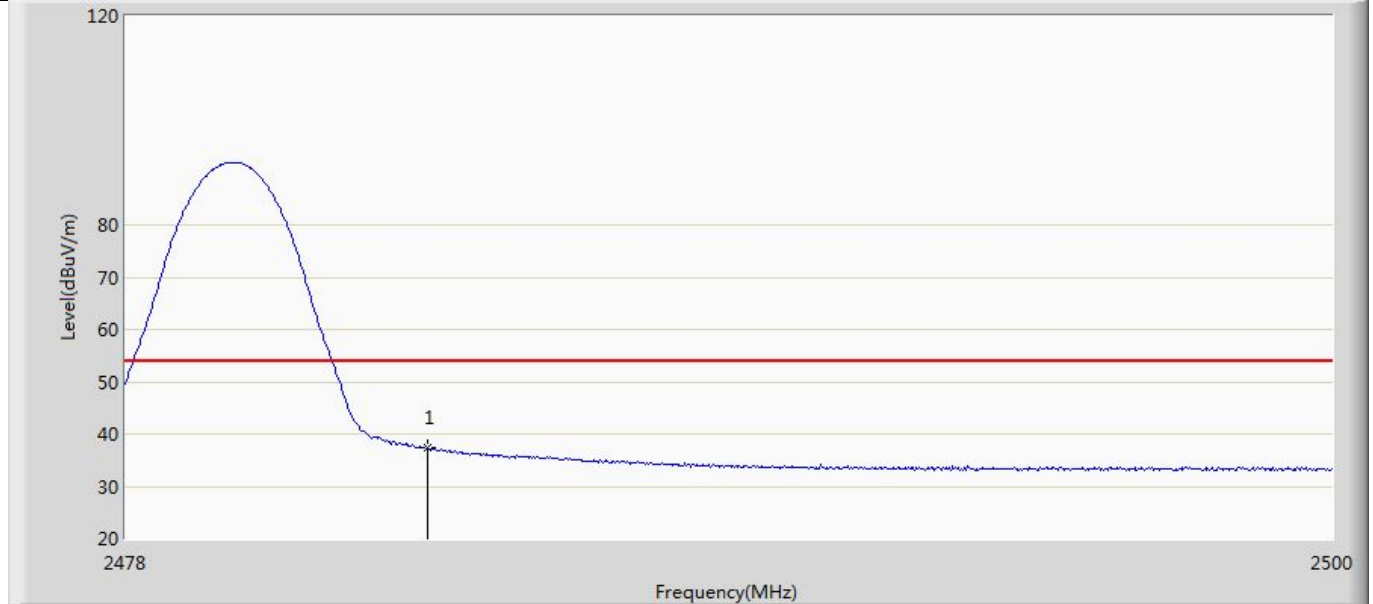
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	39.914	5.423	-14.086	54.000	34.491	AV

Profile: 2320237R	Page No.: 23
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	49.099	14.608	-24.901	74.000	34.491	PK

Profile: 2320237R	Page No.: 24
Engineer: Yu Liu	
Site: AC5	Time: 2023/02/21 - 20:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)2022	Polarity: Vertical
EUT: LED LAMP	Power: 12Vac
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=8	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	37.337	2.846	-16.663	54.000	34.491	AV

Note:

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



## Appendix F: Conducted Spurious Emission

### Test Result

Test Mode	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
Mode1	2402	Reference	7.16	7.16	---	PASS
		2300~2405	7.16	-53.92	≤-12.84	PASS
		30~1000	7.16	-53.74	≤-12.84	PASS
		1000~26500	7.16	-37.71	≤-12.84	PASS
	2440	Reference	6.60	6.60	---	PASS
		30~1000	6.60	-53.25	≤-13.4	PASS
		1000~26500	6.60	-37.6	≤-13.4	PASS
	2480	Reference	7.12	7.12	---	PASS
		2470~2550	7.12	-53.06	≤-12.88	PASS
		30~1000	7.12	-53.69	≤-12.88	PASS
		1000~26500	7.12	-37.41	≤-12.88	PASS
	Mode2	2402	Reference	4.76	4.76	---
2300~2405			4.76	-55.22	≤-15.24	PASS
30~1000			4.76	-53.13	≤-15.24	PASS
1000~26500			4.76	-37.14	≤-15.24	PASS
2440		Reference	4.96	4.96	---	PASS
		30~1000	4.96	-53.38	≤-15.04	PASS
		1000~26500	4.96	-37.84	≤-15.04	PASS
2480		Reference	4.91	4.91	---	PASS
		2470~2550	4.91	-55.22	≤-15.09	PASS
		30~1000	4.91	-53.94	≤-15.09	PASS
		1000~26500	4.91	-37.55	≤-15.09	PASS
Mode3		2402	Reference	6.79	6.79	---
	2300~2405		6.79	-54.29	≤-13.21	PASS
	30~1000		6.79	-53.38	≤-13.21	PASS
	1000~26500		6.79	-37.13	≤-13.21	PASS
	2440	Reference	6.50	6.50	---	PASS
		30~1000	6.50	-53.38	≤-13.5	PASS
		1000~26500	6.50	-37.58	≤-13.5	PASS
	2480	Reference	6.48	6.48	---	PASS
		2470~2550	6.48	-52.60	≤-13.52	PASS
		30~1000	6.48	-54	≤-13.52	PASS
		1000~26500	6.48	-37.3	≤-13.52	PASS
	Mode4	2402	Reference	4.60	4.60	---
2300~2405			4.60	-54.33	≤-15.4	PASS
30~1000			4.60	-53.48	≤-15.4	PASS
1000~26500			4.60	-37.07	≤-15.4	PASS
2440		Reference	4.60	4.60	---	PASS
		30~1000	4.60	-53.83	≤-15.4	PASS
		1000~26500	4.60	-37.52	≤-15.4	PASS

---

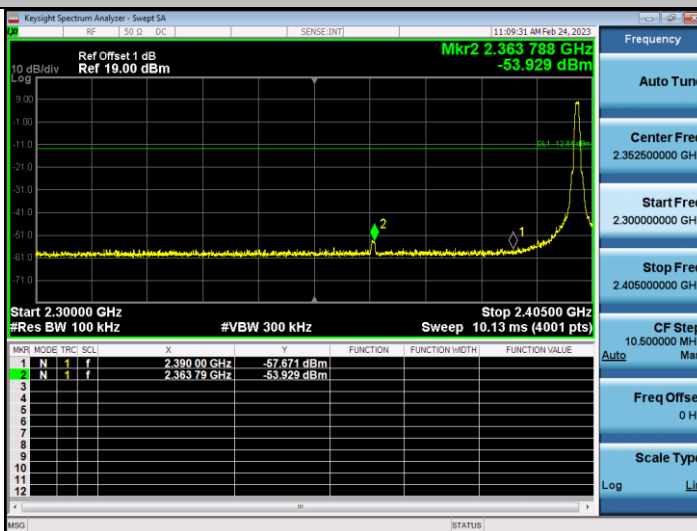
	2480	Reference	4.51	4.51	---	PASS
		2470~2550	4.51	-53.47	$\leq -15.49$	PASS
		30~1000	4.51	-52.79	$\leq -15.49$	PASS
		1000~26500	4.51	-38.01	$\leq -15.49$	PASS

### Test Graphs

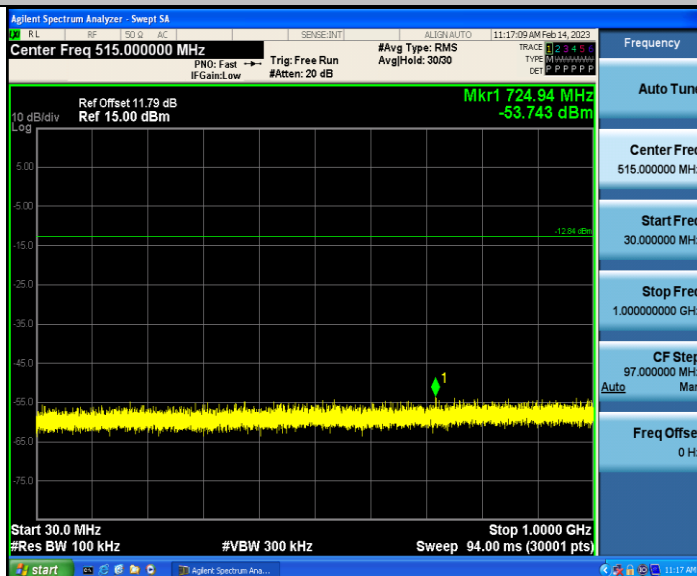
Mode1\_2402\_0~Reference



Mode1\_2402\_2300~2405



Mode1\_2402\_30~1000



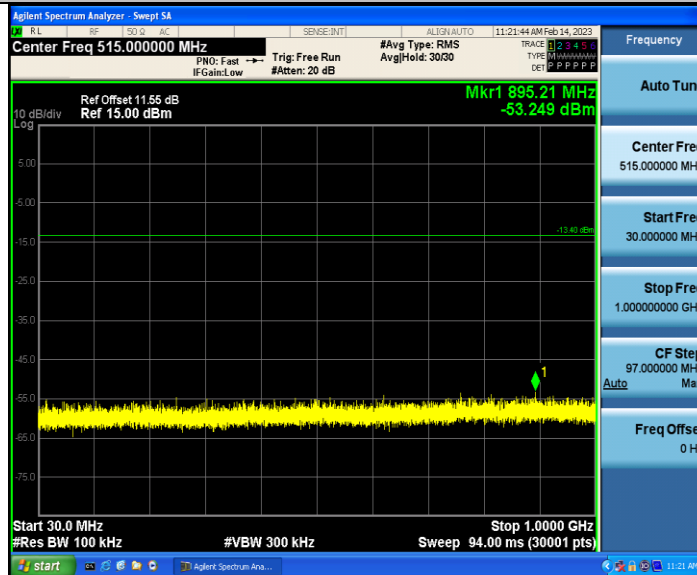
Mode1\_2402\_1000~26500



Mode1\_2440\_0~Reference



Mode1\_2440\_30~1000



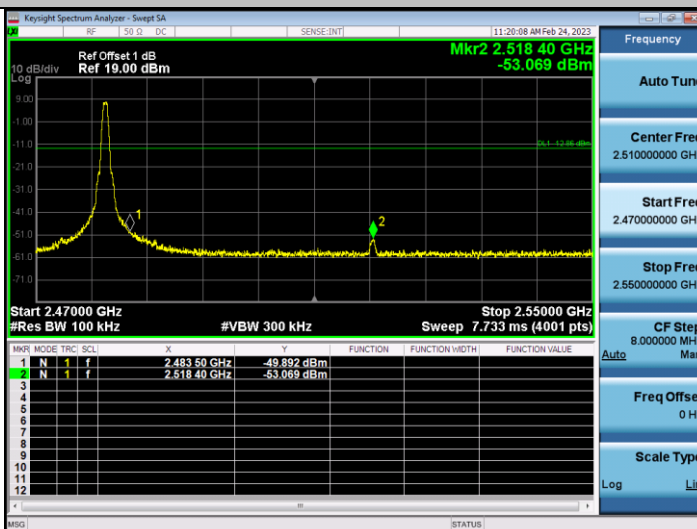
Mode1\_2440\_1000~26500



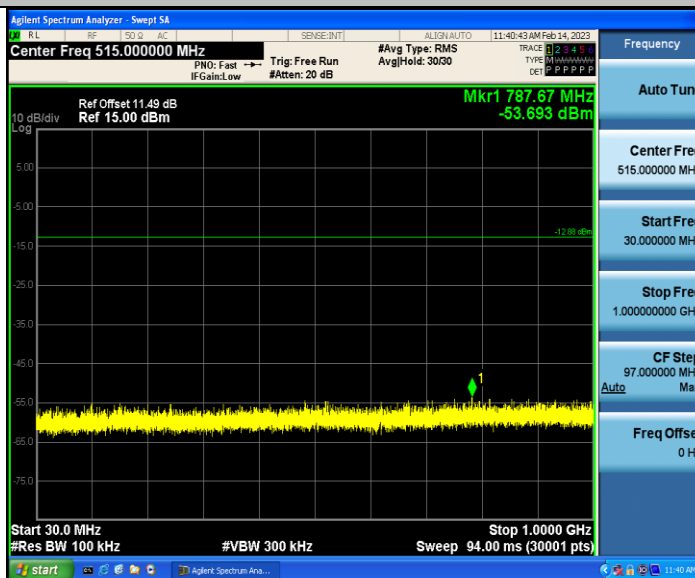
Mode1\_2480\_0~Reference



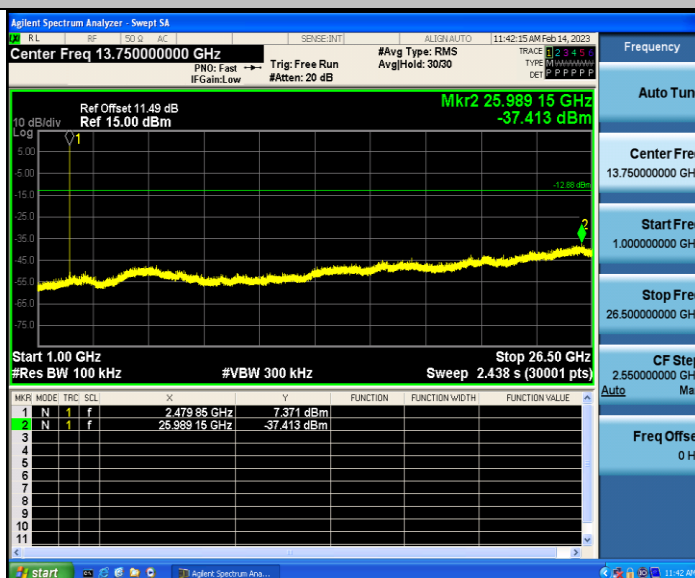
Mode1\_2480\_2470~2550



Mode1\_2480\_30~1000



Mode1\_2480\_1000~26500



Mode2\_2402\_0~Reference

