



BLE_125K-Ant1-2440-PASS



BLE_125K-Ant1-2480-PASS



BLE_500K-Ant1-2402-PASS



BLE_500K-Ant1-2440-PASS



BLE_500K-Ant1-2480-PASS

Appendix B: Occupied Channel Bandwidth

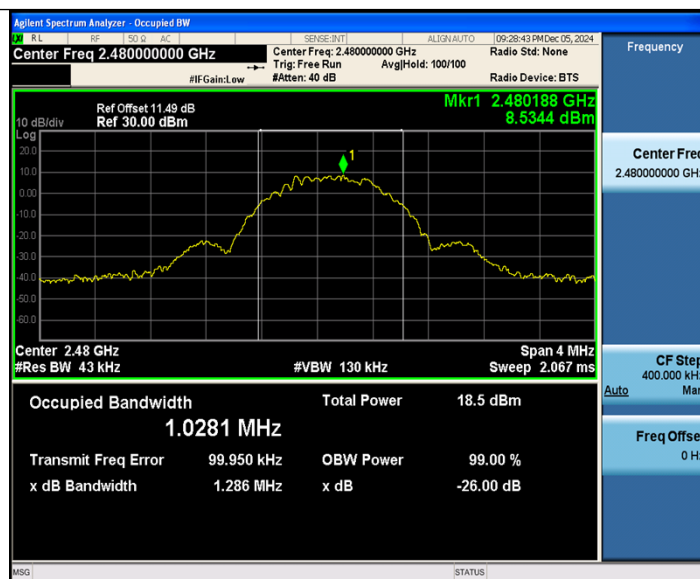
TestMode	Antenna	Frequency [MHz]	OCB [MHz]	FL [MHz]	FH [MHz]	Limit[MHz]	Verdict
Mode 1	Ant1	2402	1.0285	2401.5834	2402.6119	With 2400~2483.5 MHz	Pass
	Ant1	2440	1.0291	2439.5834	2440.6125	With 2400~2483.5 MHz	Pass
	Ant1	2480	1.0281	2479.5859	2480.6140	With 2400~2483.5 MHz	Pass
Mode 2	Ant1	2402	2.1073	2401.0567	2403.1640	With 2400~2483.5 MHz	Pass
	Ant1	2440	2.1068	2439.0606	2441.1674	With 2400~2483.5 MHz	Pass
	Ant1	2480	2.1170	2479.0534	2481.1704	With 2400~2483.5 MHz	Pass
Mode 3	Ant1	2402	1.0536	2401.5668	2402.6204	With 2400~2483.5 MHz	Pass
	Ant1	2440	1.0527	2439.5699	2440.6226	With 2400~2483.5 MHz	Pass
	Ant1	2480	1.0531	2479.5705	2480.6236	With 2400~2483.5 MHz	Pass
Mode 4	Ant1	2402	1.0306	2401.5836	2402.6142	With 2400~2483.5 MHz	Pass
	Ant1	2440	1.0308	2439.5832	2440.6140	With 2400~2483.5 MHz	Pass
	Ant1	2480	1.0326	2479.5849	2480.6175	With 2400~2483.5 MHz	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



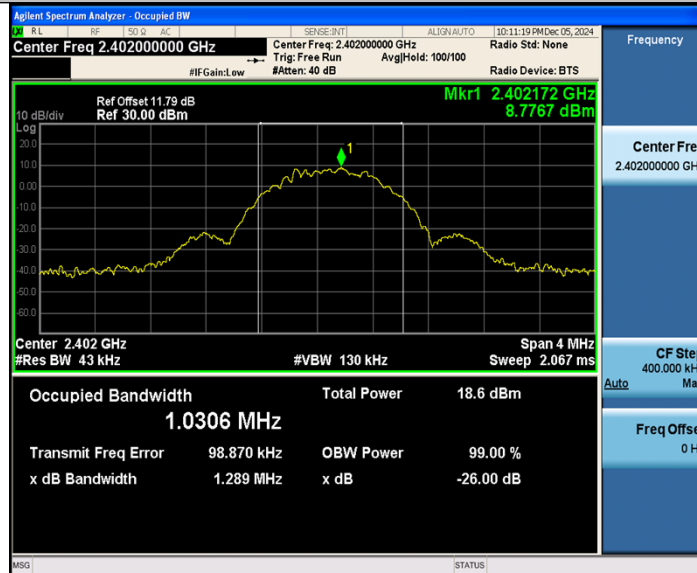
BLE_125K-Ant1-2402



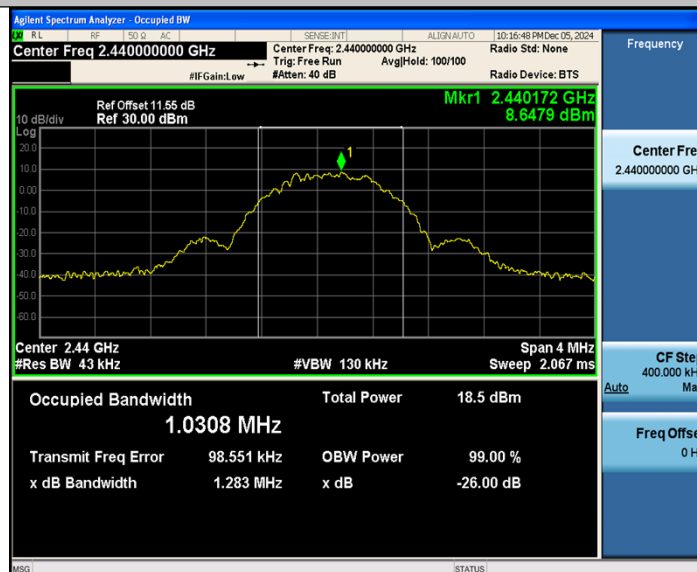
BLE_125K-Ant1-2440



BLE_125K-Ant1-2480



BLE_500K-Ant1-2402



BLE_500K-Ant1-2440



BLE_500K-Ant1-2480

Appendix C: Maximum conducted output power

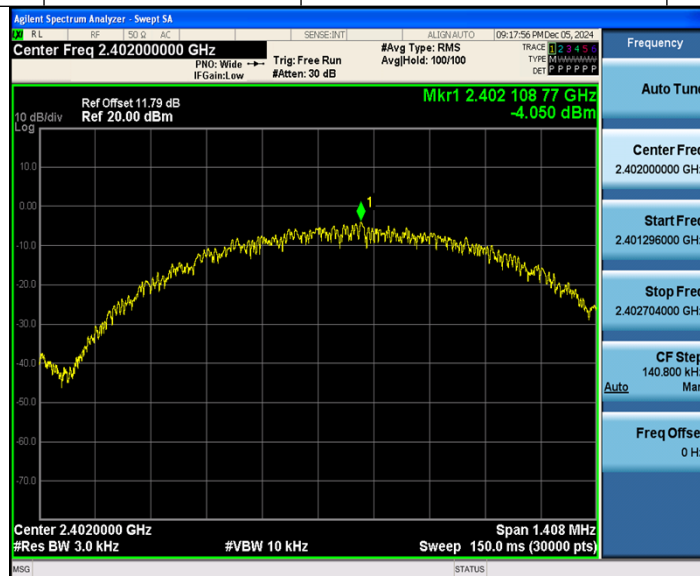
TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
Mode 1	Ant1	2402	11.98	≤30	2.78	≤36	PASS
	Ant1	2440	11.89	≤30	2.69	≤36	PASS
	Ant1	2480	11.88	≤30	2.68	≤36	PASS
Mode 2	Ant1	2402	11.94	≤30	2.74	≤36	PASS
	Ant1	2440	11.89	≤30	2.69	≤36	PASS
	Ant1	2480	11.86	≤30	2.66	≤36	PASS
Mode 3	Ant1	2402	11.93	≤30	2.73	≤36	PASS
	Ant1	2440	11.83	≤30	2.63	≤36	PASS
	Ant1	2480	11.85	≤30	2.65	≤36	PASS
Mode 4	Ant1	2402	11.93	≤30	2.73	≤36	PASS
	Ant1	2440	11.84	≤30	2.64	≤36	PASS
	Ant1	2480	11.86	≤30	2.66	≤36	PASS

Note 1: EIRP=Conducted Peak Power+Antenna gain

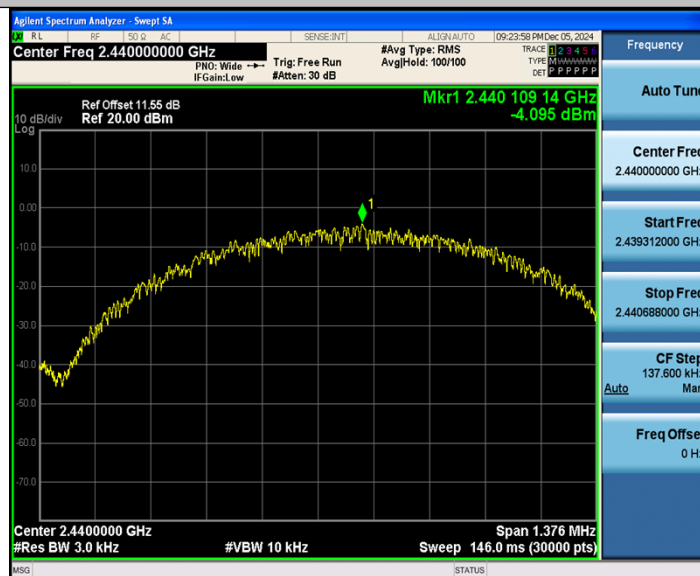
Note 2: The antenna gain please refer to clause 1.2

Appendix D: Maximum power spectral density

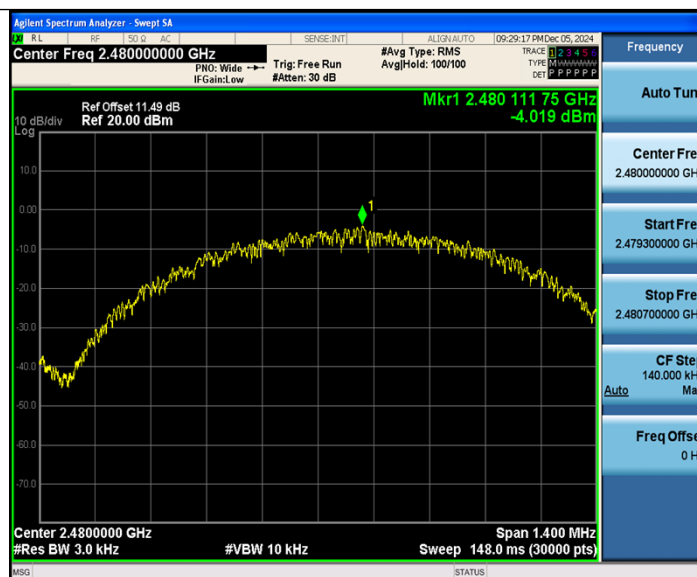
TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
Mode 1	Ant1	2402	-4.05	≤8.00	PASS
	Ant1	2440	-4.10	≤8.00	PASS
	Ant1	2480	-4.02	≤8.00	PASS
Mode 2	Ant1	2402	-5.80	≤8.00	PASS
	Ant1	2440	-5.87	≤8.00	PASS
	Ant1	2480	-5.83	≤8.00	PASS
Mode 3	Ant1	2402	5.69	≤8.00	PASS
	Ant1	2440	5.57	≤8.00	PASS
	Ant1	2480	5.58	≤8.00	PASS
Mode 4	Ant1	2402	-4.07	≤8.00	PASS
	Ant1	2440	-4.16	≤8.00	PASS
	Ant1	2480	-4.08	≤8.00	PASS



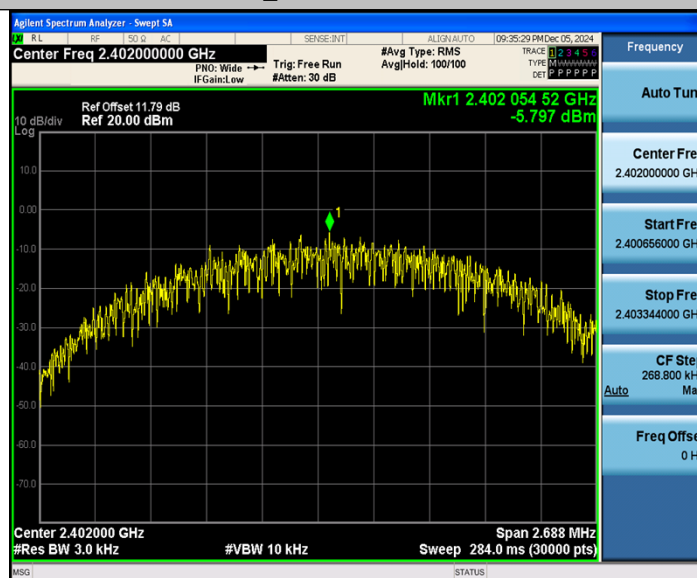
BLE_1M-Ant1-2402-PASS



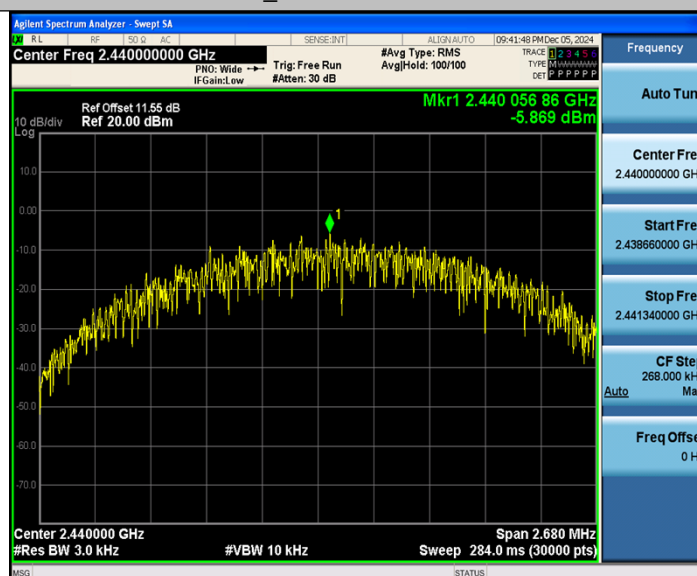
BLE_1M-Ant1-2440-PASS



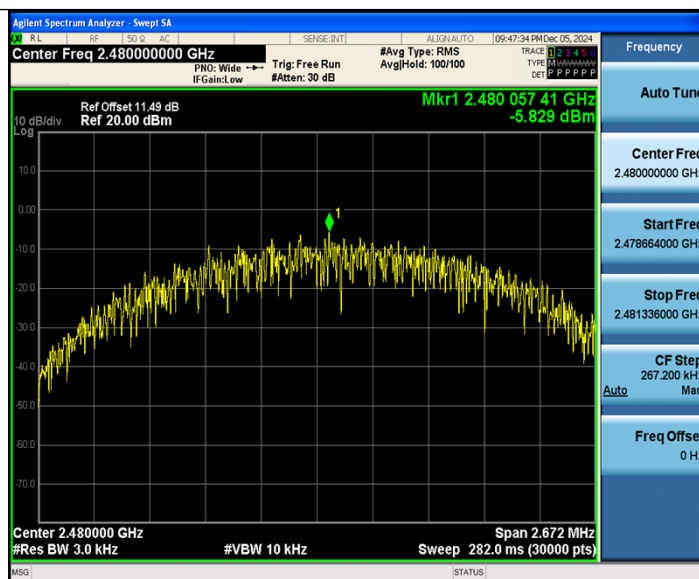
BLE_1M-Ant1-2480-PASS



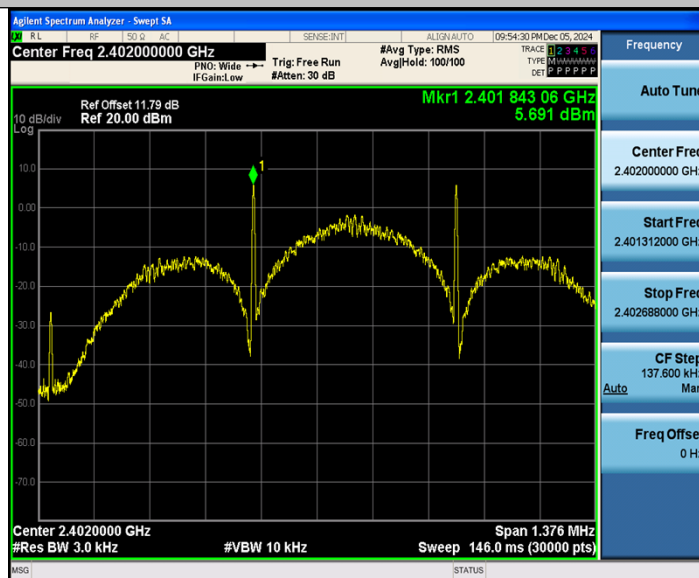
BLE_2M-Ant1-2402-PASS



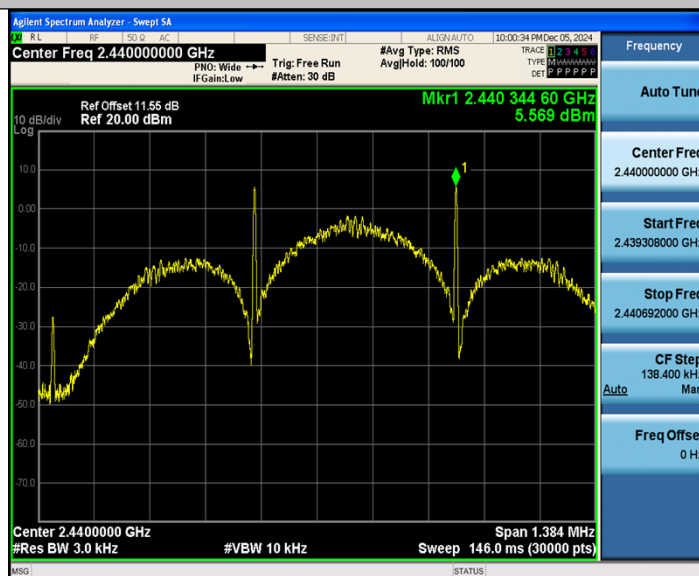
BLE_2M-Ant1-2440-PASS



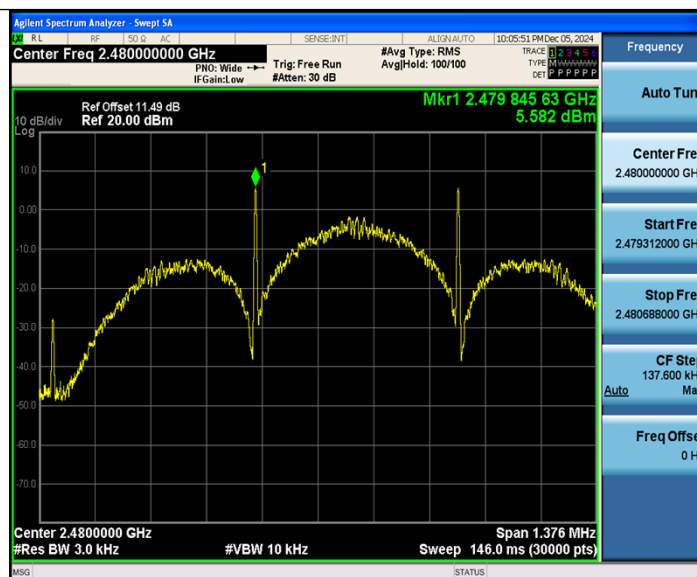
BLE_2M-Ant1-2480-PASS



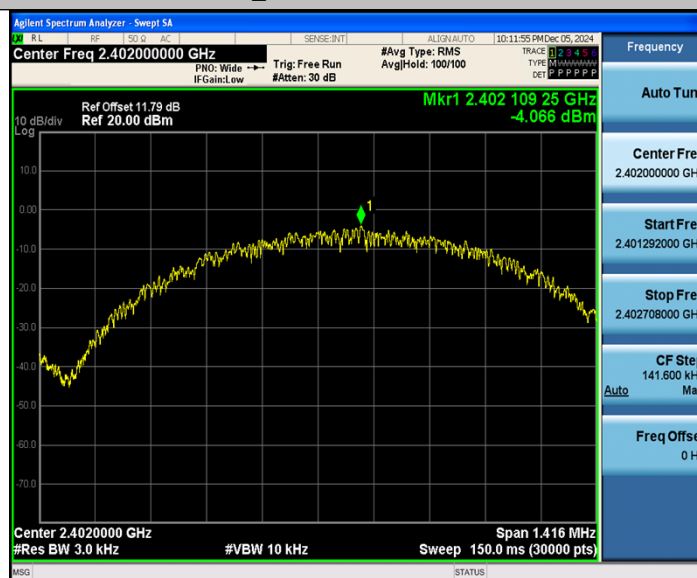
BLE_125K-Ant1-2402-PASS



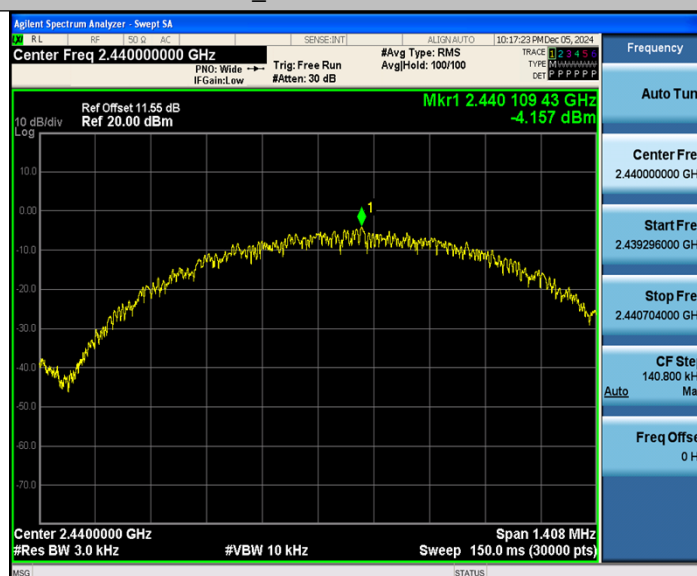
BLE_125K-Ant1-2440-PASS



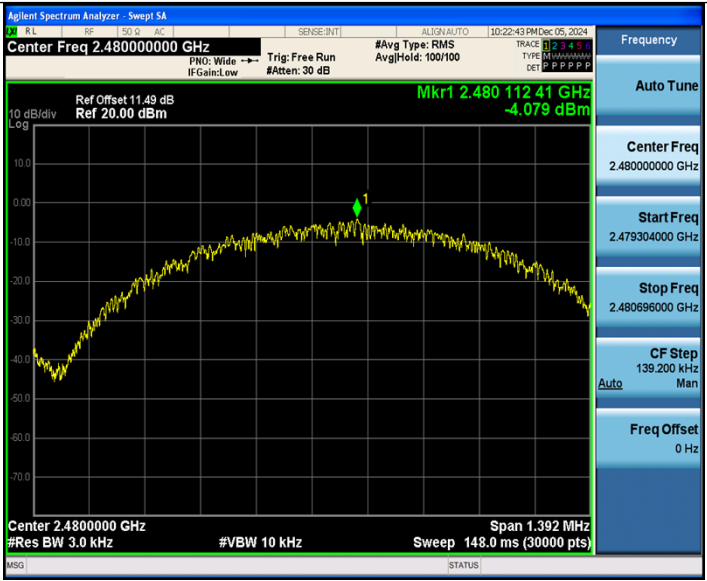
BLE_125K-Ant1-2480-PASS



BLE_500K-Ant1-2402-PASS



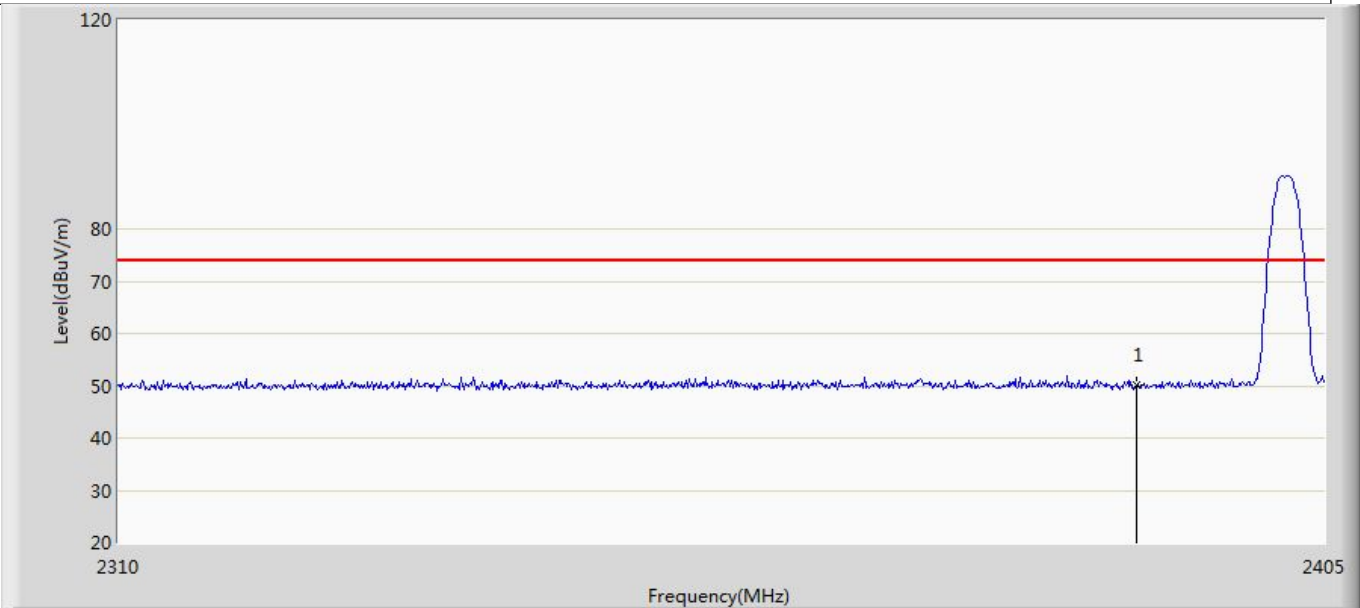
BLE_500K-Ant1-2440-PASS



BLE_500K-Ant1-2480-PASS

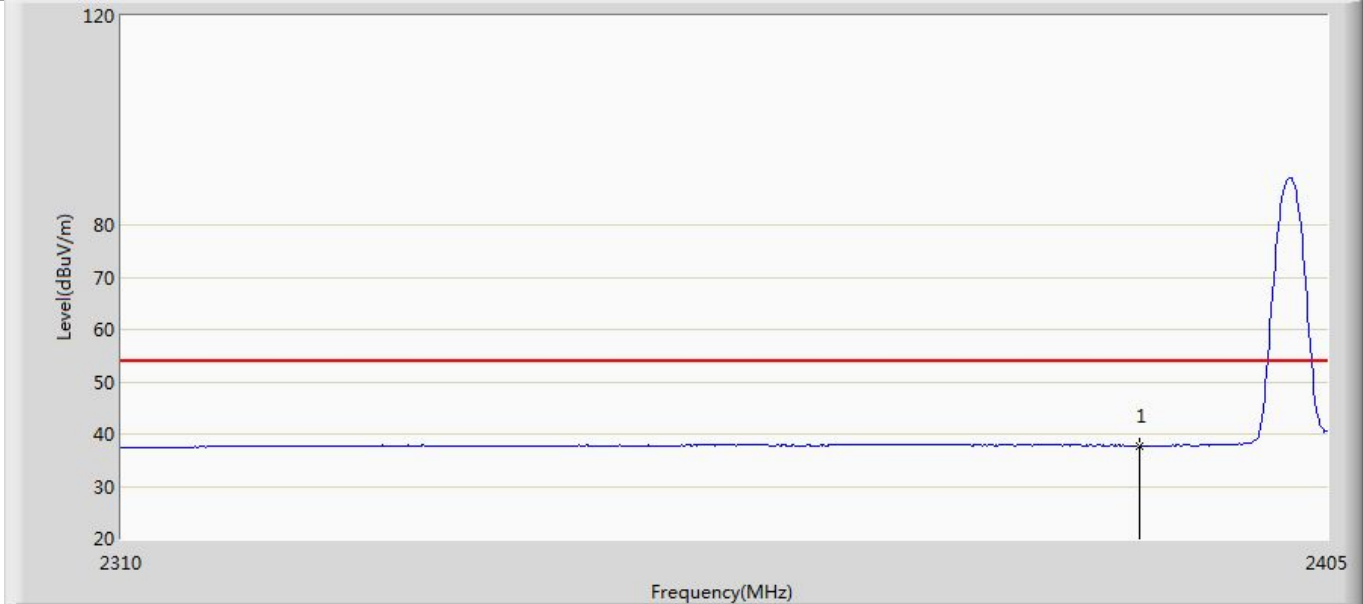
Appendix E: Band edge measurements

Profile: 24B1031R	Page No.: 1
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:24
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2402MHz by LE_1Mbps	



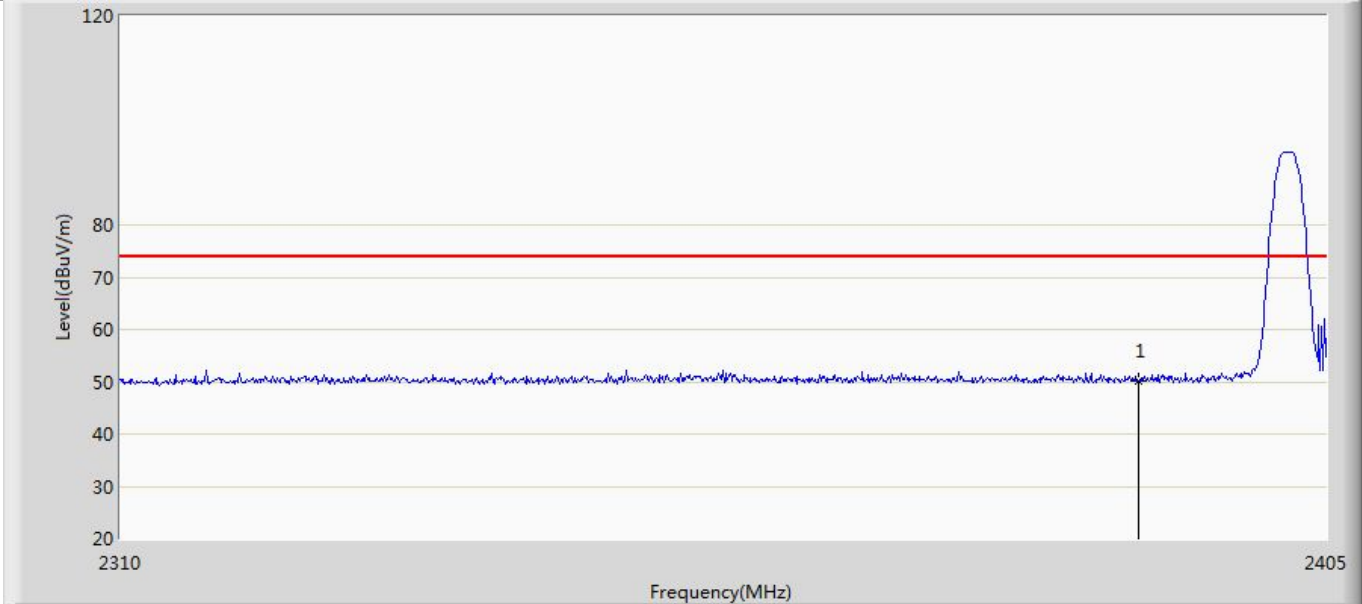
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.141	16.040	-23.859	74.000	34.102	PK

Profile: 24B1031R	Page No.: 2
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:29
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2402MHz by LE_1Mbps	



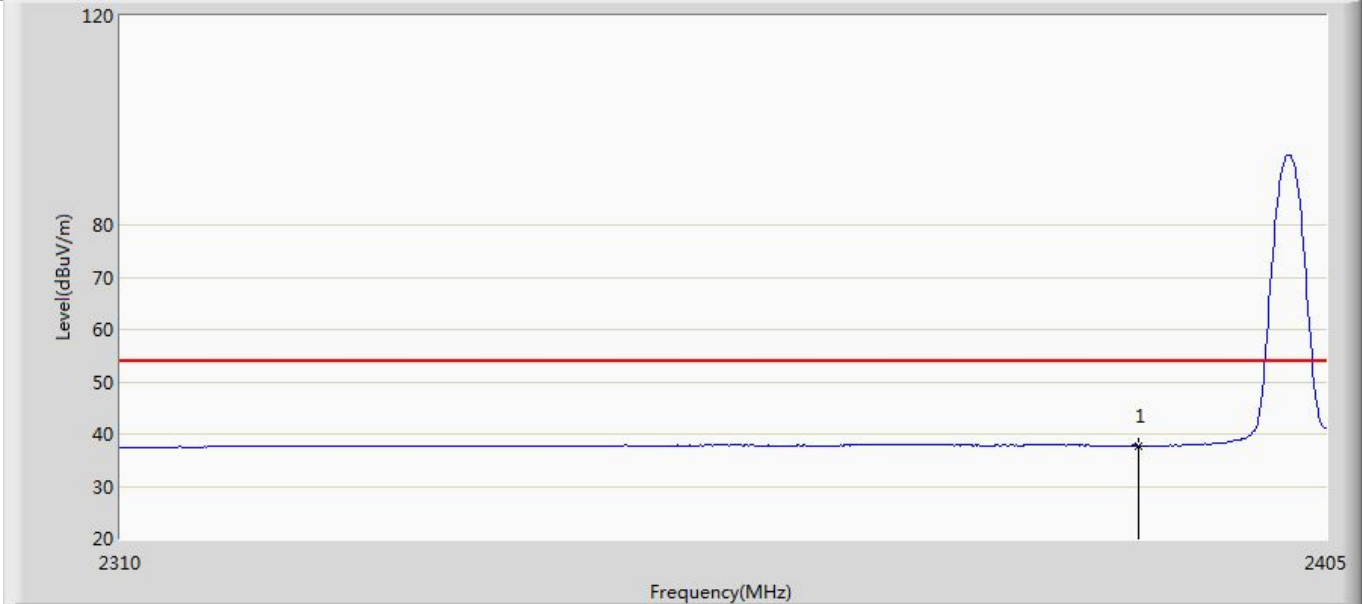
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	37.753	3.652	-16.247	54.000	34.102	AV

Profile: 24B1031R	Page No.: 3
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2402MHz by LE_1Mbps	



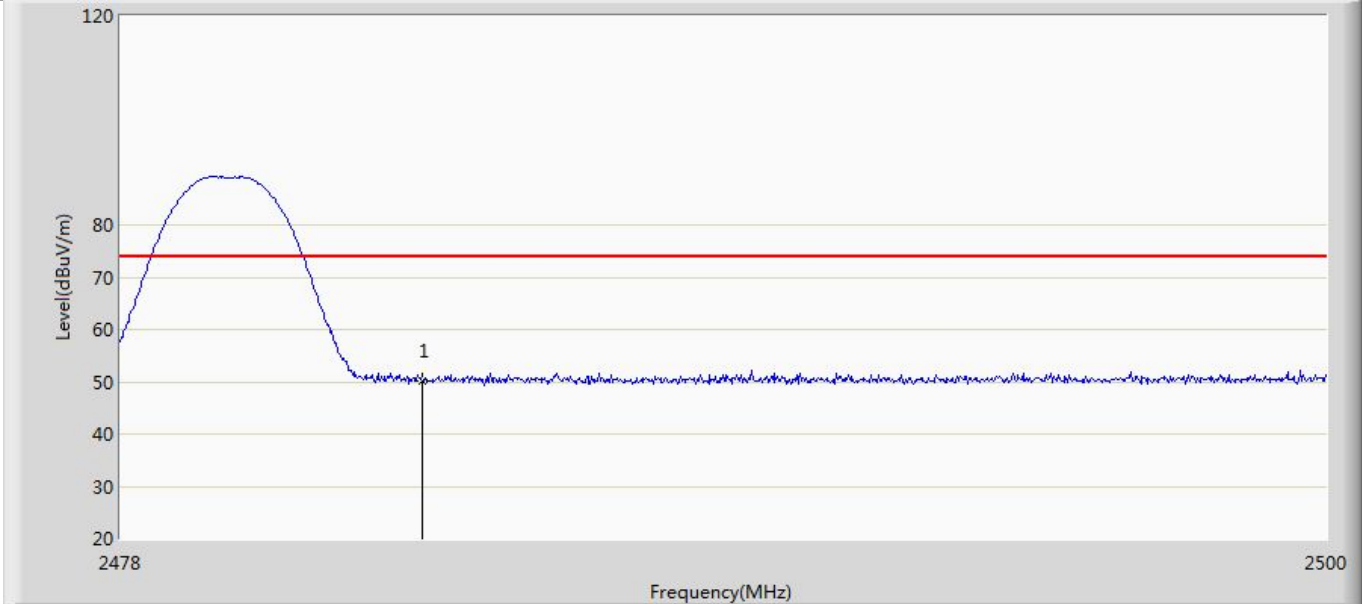
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	50.084	15.983	-23.916	74.000	34.102	PK

Profile: 24B1031R	Page No.: 4
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2402MHz by LE_1Mbps	



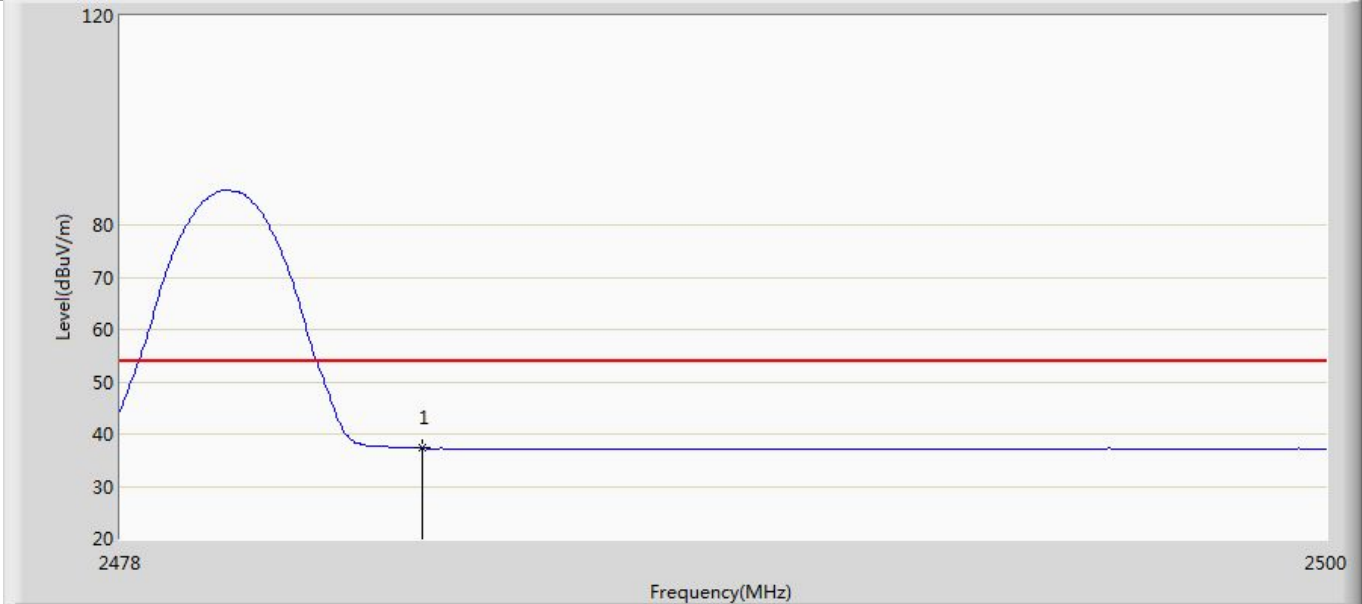
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	37.722	3.621	-16.278	54.000	34.102	AV

Profile: 24B1031R	Page No.: 5
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:38
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2480MHz by LE_1Mbps	



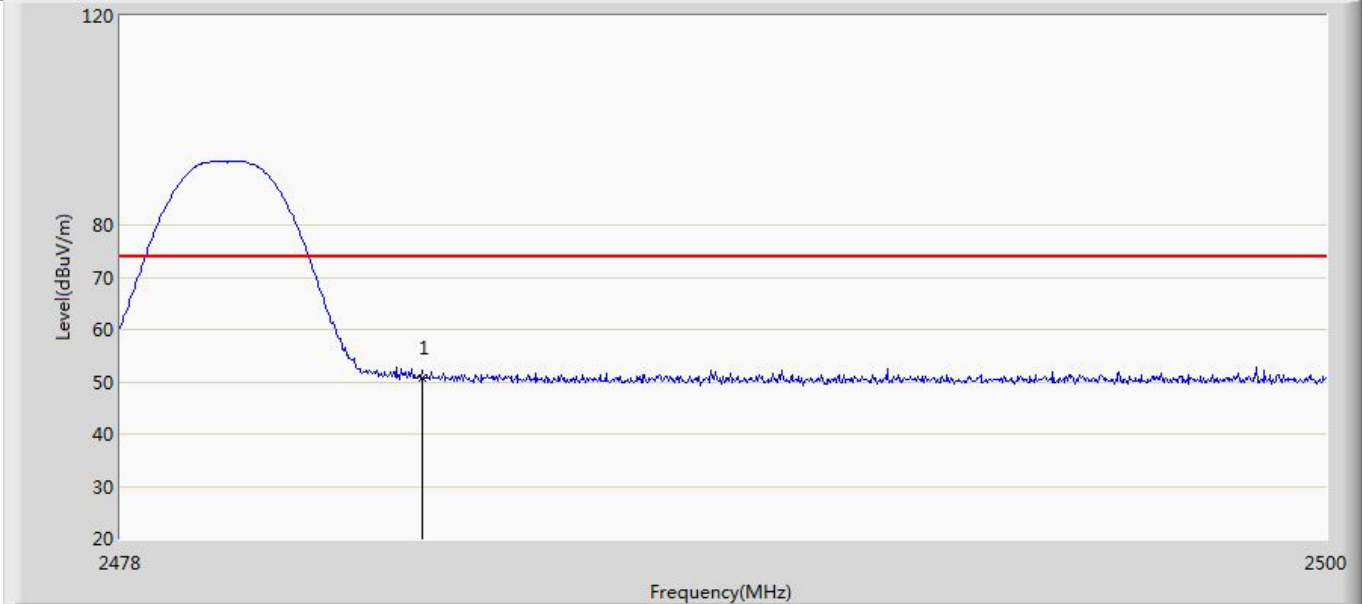
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	50.282	16.169	-23.718	74.000	34.114	PK

Profile: 24B1031R	Page No.: 6
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:42
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2480MHz by LE_1Mbps	



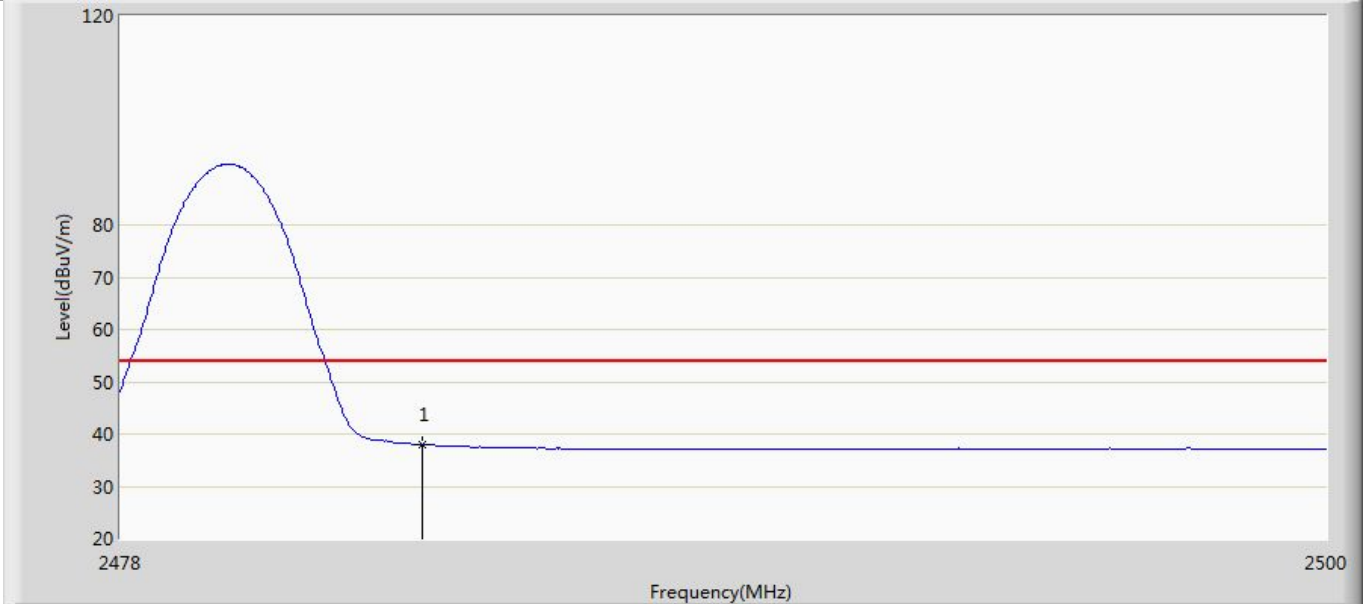
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	37.278	3.165	-16.722	54.000	34.114	AV

Profile: 24B1031R	Page No.: 7
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:44
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2480MHz by LE_1Mbps	



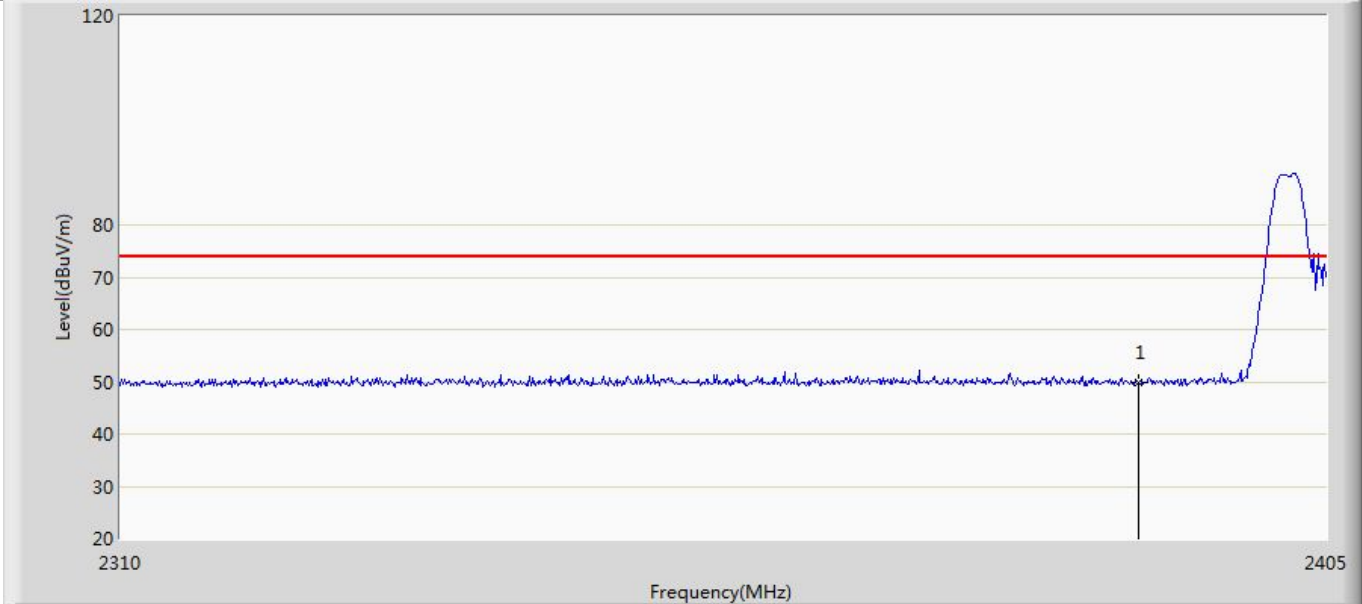
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	50.748	16.635	-23.252	74.000	34.114	PK

Profile: 24B1031R	Page No.: 8
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 1: Transmit at 2480MHz by LE_1Mbps	



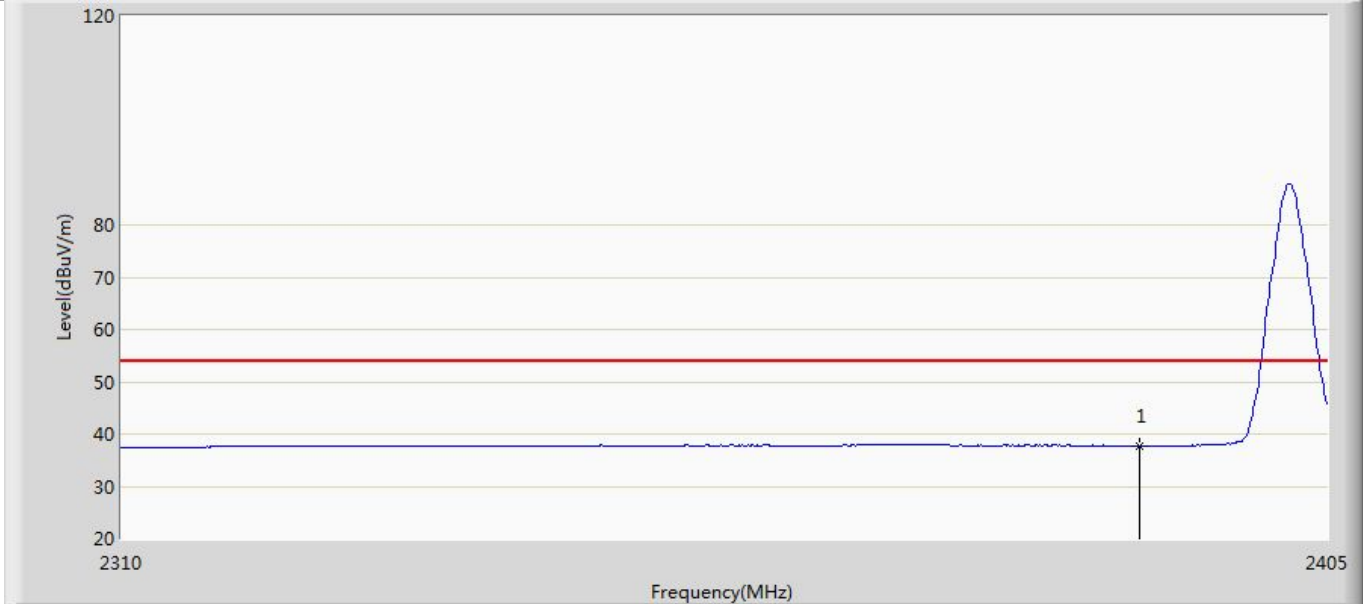
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	37.969	3.856	-16.031	54.000	34.114	AV

Profile: 24B1031R	Page No.: 9
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 2: Transmit at 2402MHz by LE_2Mbps	



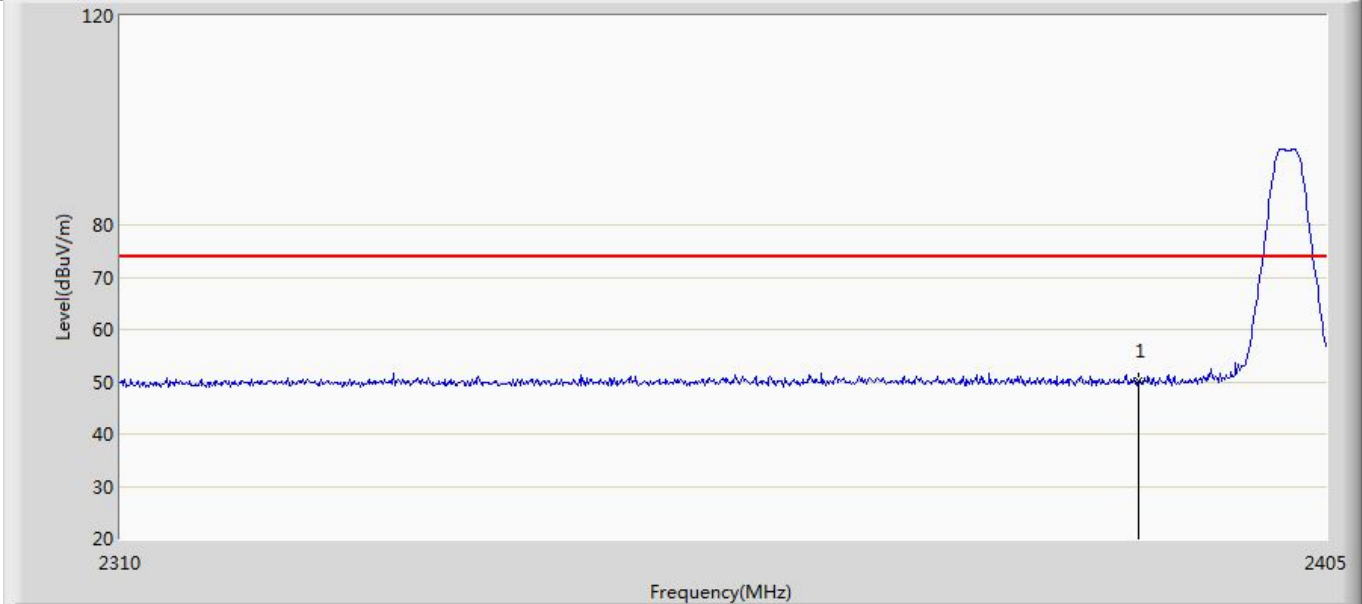
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	49.772	15.671	-24.228	74.000	34.102	PK

Profile: 24B1031R	Page No.: 10
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:50
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 2: Transmit at 2402MHz by LE_2Mbps	



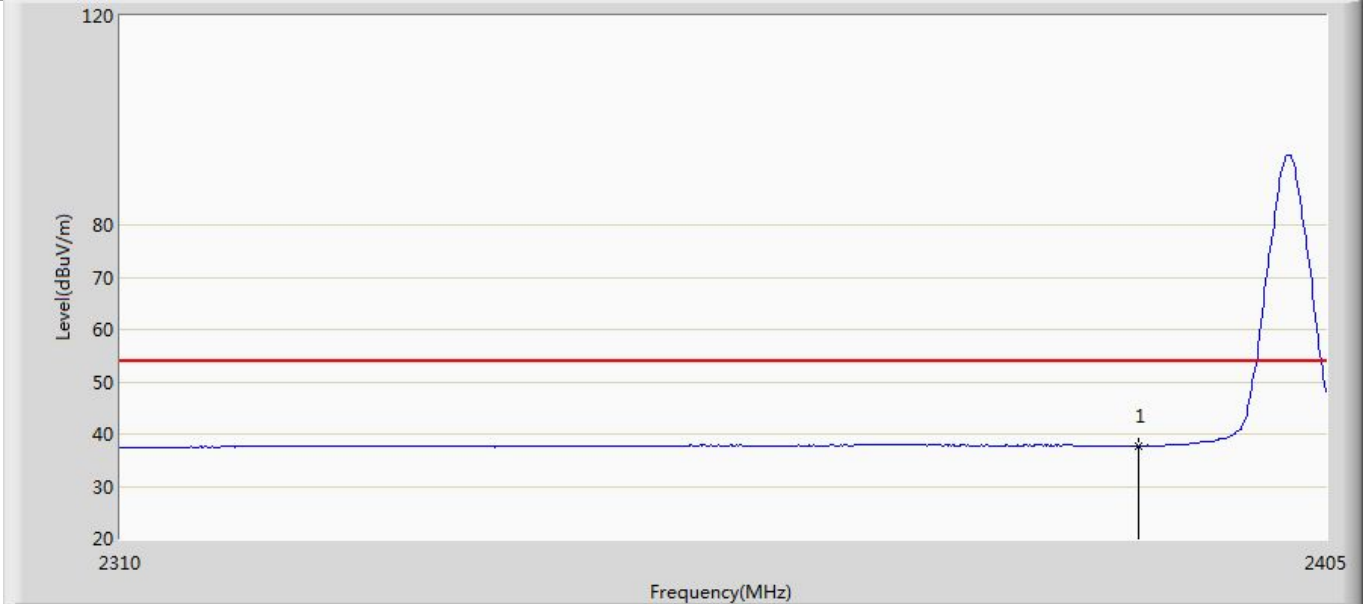
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	37.697	3.596	-16.303	54.000	34.102	AV

Profile: 24B1031R	Page No.: 11
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:51
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
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	50.117	16.016	-23.883	74.000	34.102	PK

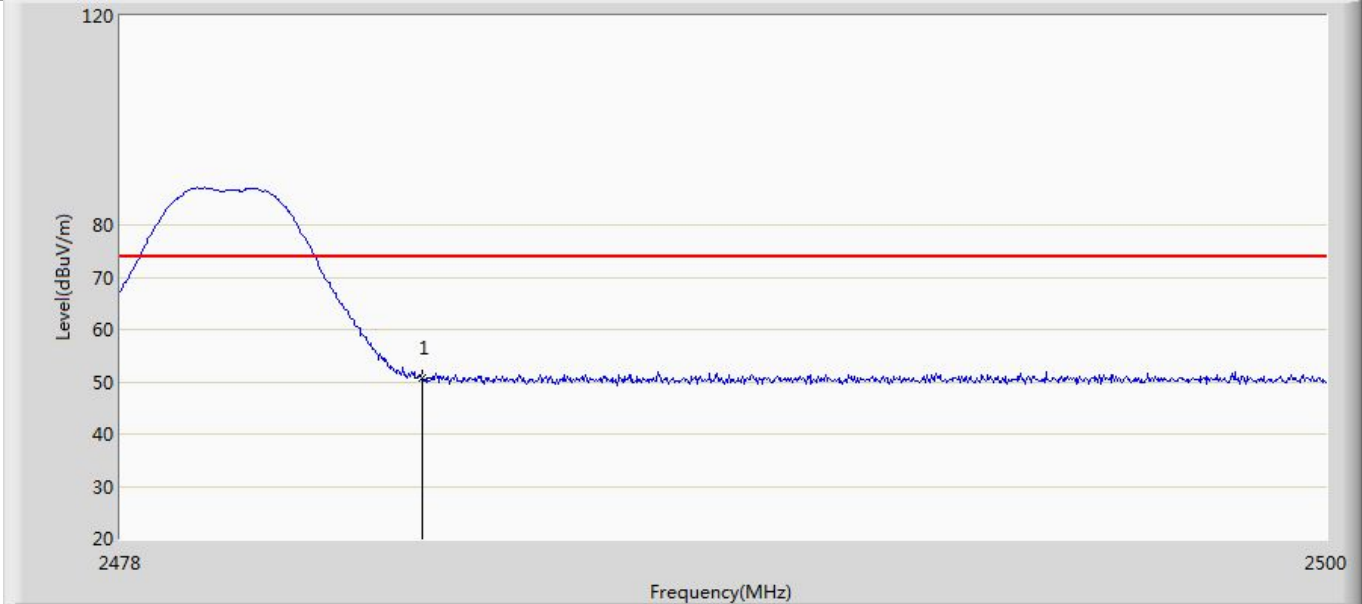
Profile: 24B1031R	Page No.: 12
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:53
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 2: Transmit at 2402MHz by LE_2Mbps	



No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	37.744	3.643	-16.256	54.000	34.102	AV

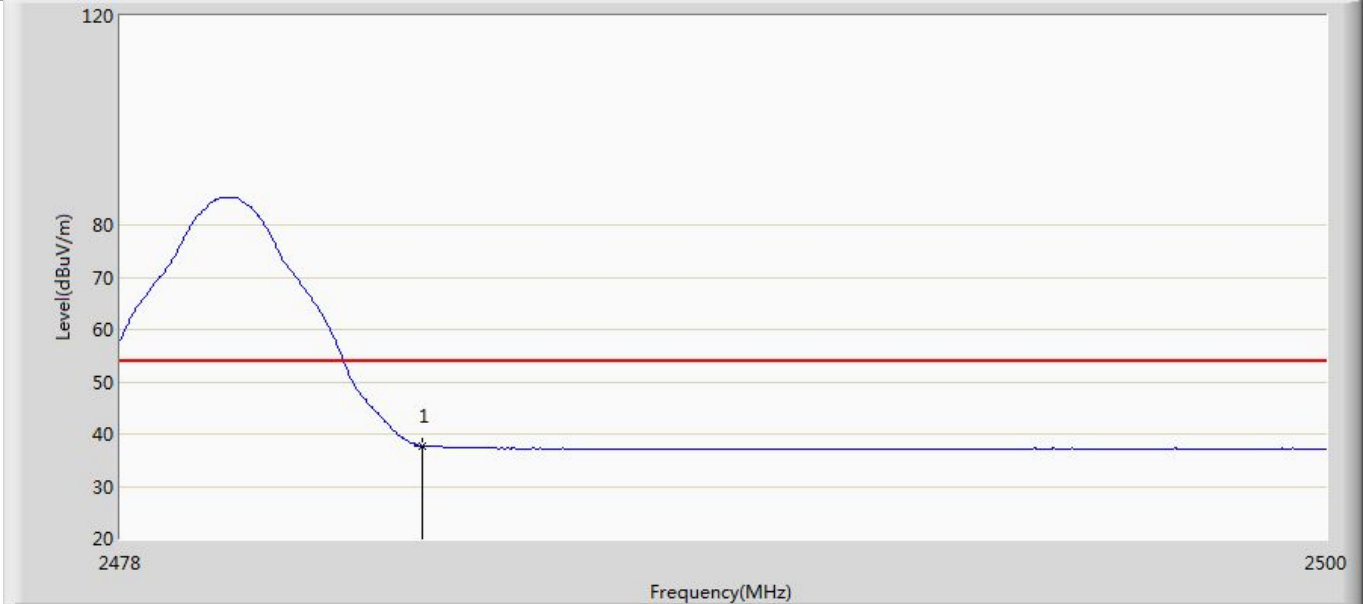


Profile: 24B1031R	Page No.: 13
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:55
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 2: Transmit at 2480MHz by LE_2Mbps	



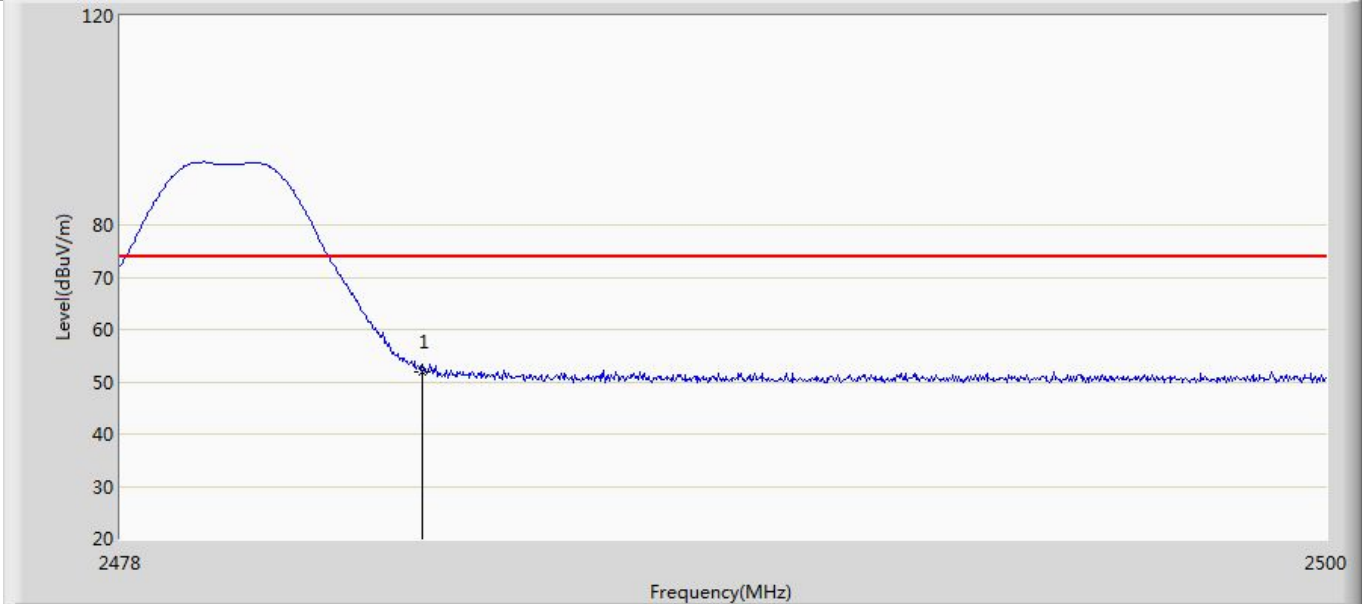
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	50.646	16.533	-23.354	74.000	34.114	PK

Profile: 24B1031R	Page No.: 14
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:57
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 2: Transmit at 2480MHz by LE_2Mbps	



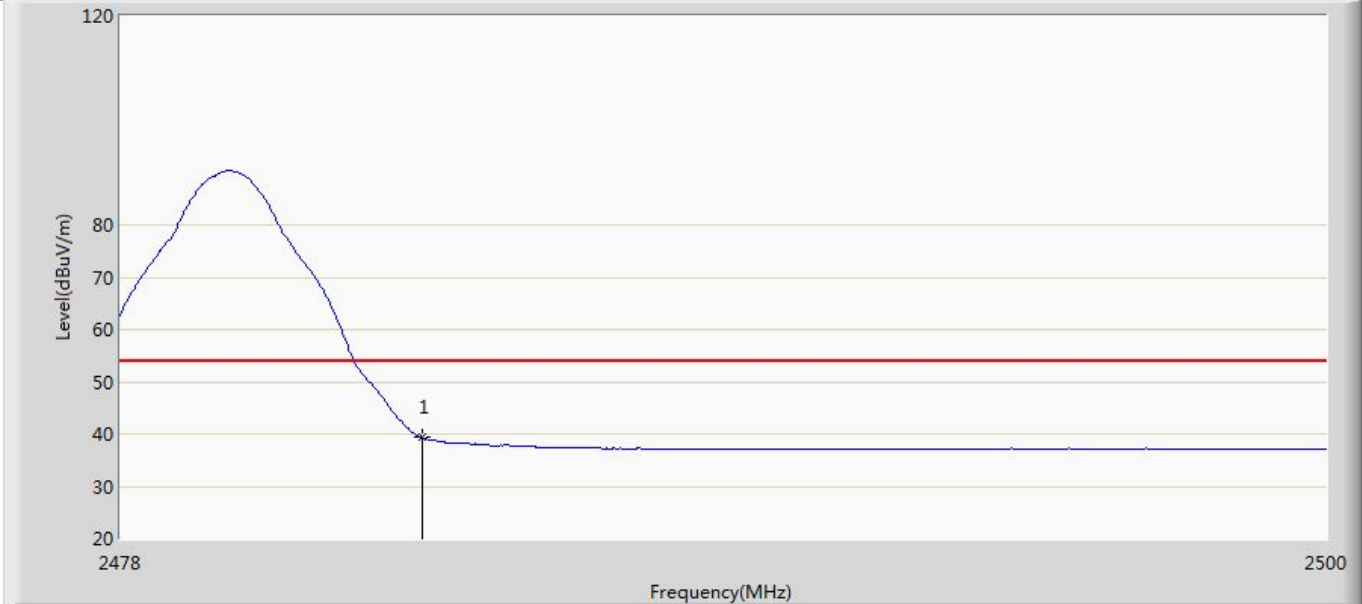
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	37.775	3.662	-16.225	54.000	34.114	AV

Profile: 24B1031R	Page No.: 15
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 00:59
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
Note: Mode 2: Transmit at 2480MHz by LE_2Mbps	



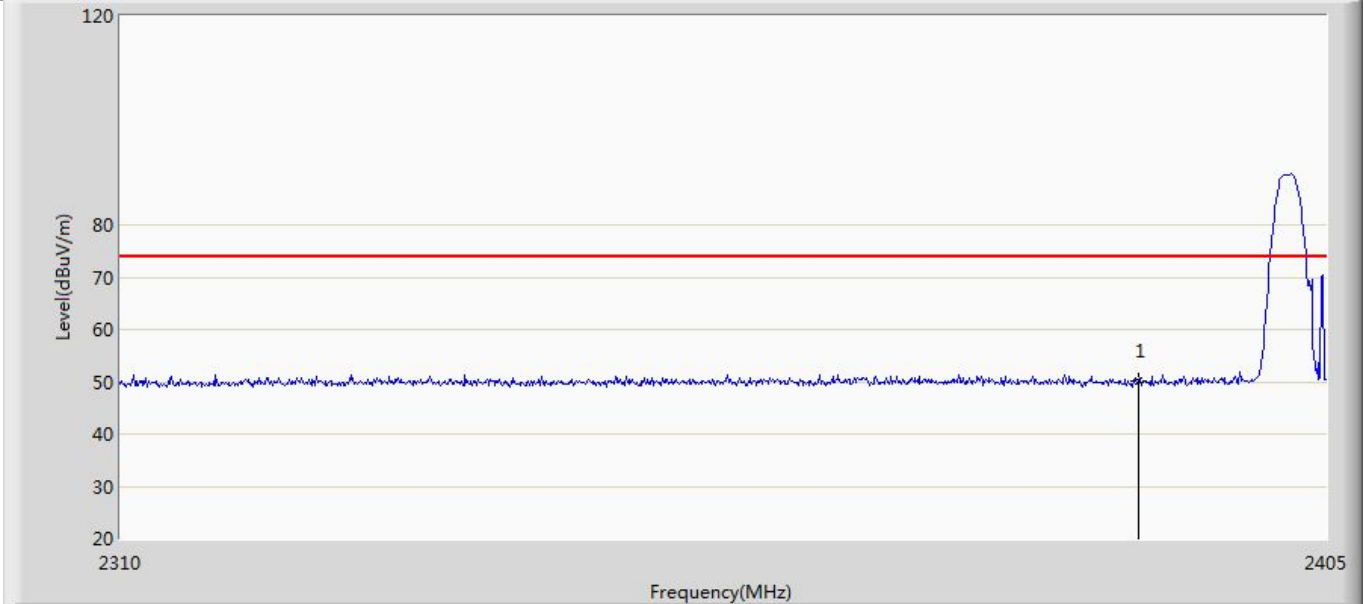
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	51.983	17.870	-22.017	74.000	34.114	PK

Profile: 24B1031R	Page No.: 16
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 01:00
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Vertical
EUT: LED Lamp	Power: 120Vac/60Hz
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	39.288	5.175	-14.712	54.000	34.114	AV

Profile: 24B1031R	Page No.: 17
Engineer: Yuliu	
Site: AC5	Time: 2024/11/20 - 01:25
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055_(1-18GHz)	Polarity: Horizontal
EUT: LED Lamp	Power: 120Vac/60Hz
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	50.262	16.161	-23.738	74.000	34.102	PK