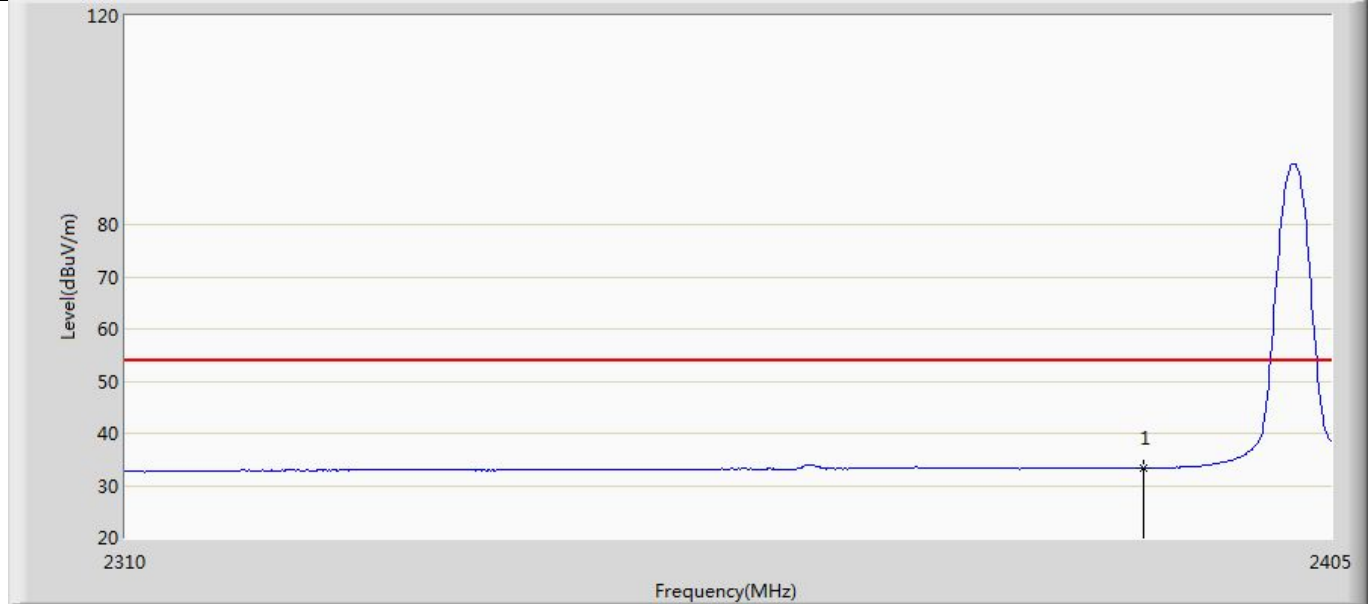
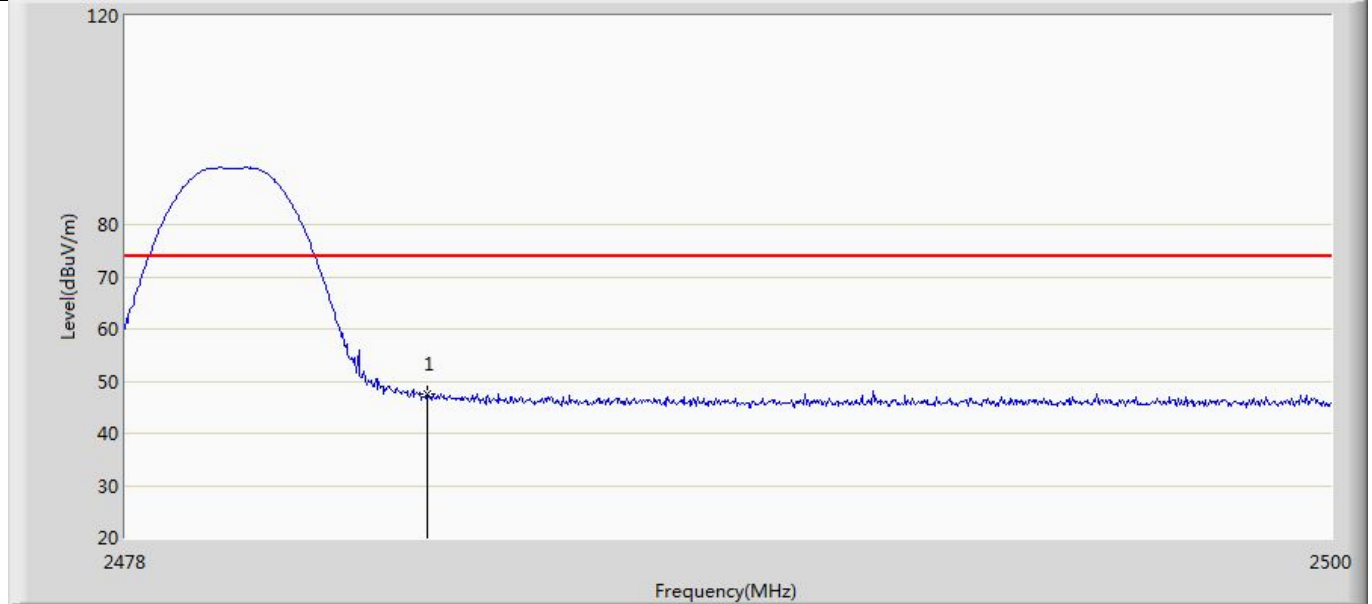


Profile: 2420073R	Page No.: 20
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:30
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 3 : Transmit at 2402MHz by LE_Coded S=8	



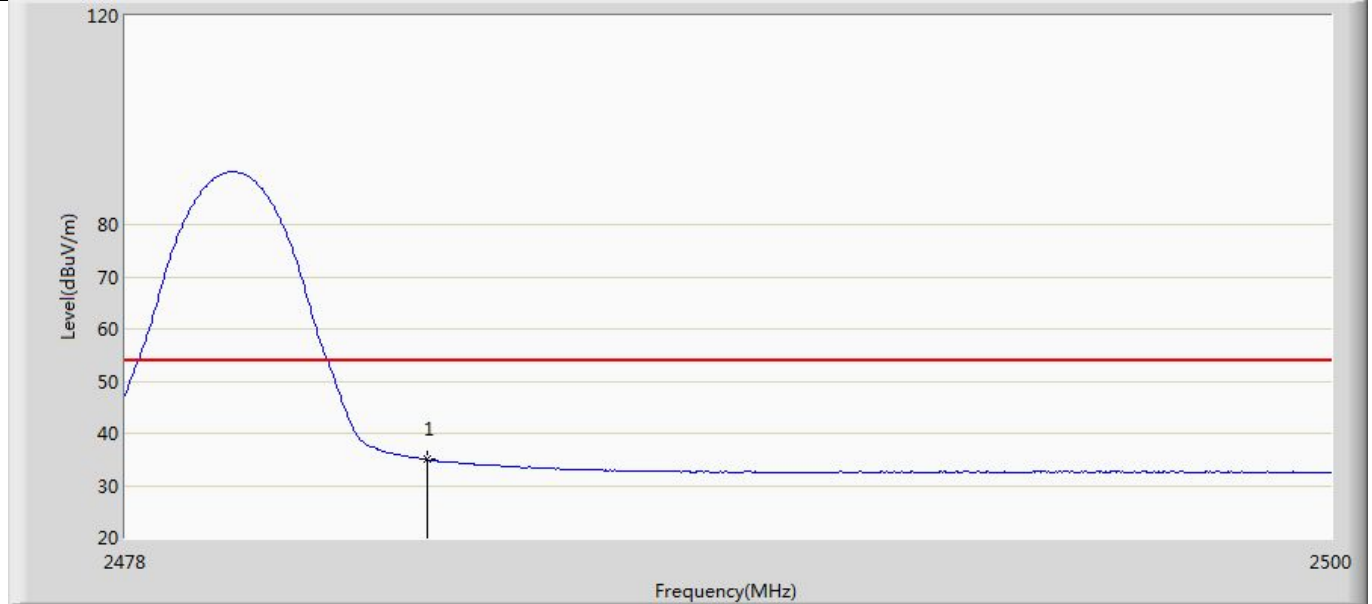
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.324	-0.827	-20.676	54.000	34.151	AV

Profile: 2420073R	Page No.: 21
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:31
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988(1-18GHz)	Polarity: Horizontal
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



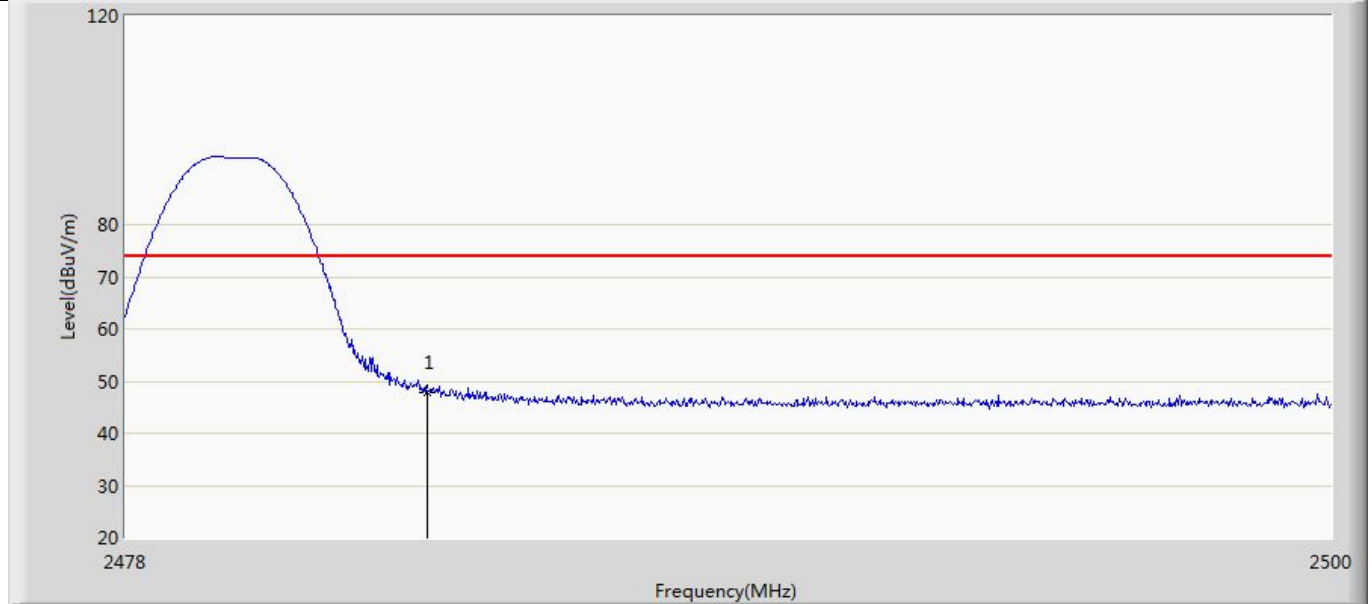
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	47.605	13.374	-26.395	74.000	34.232	PK

Profile: 2420073R	Page No.: 22
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:34
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988(1-18GHz)	Polarity: Horizontal
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



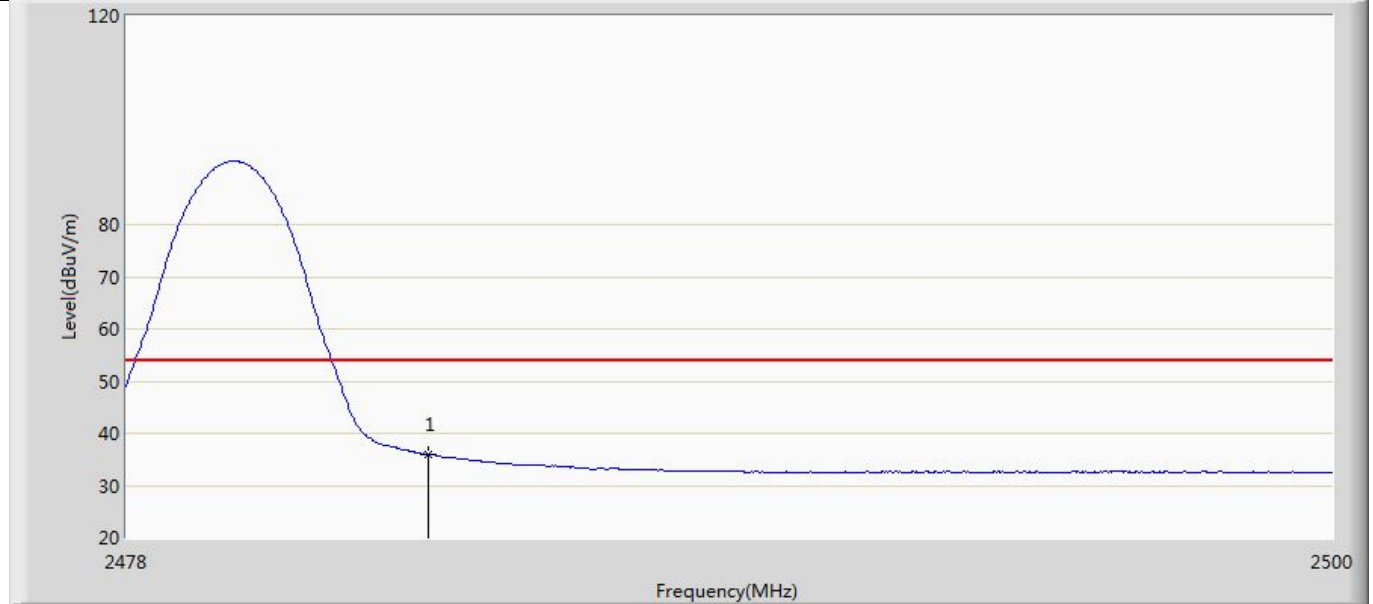
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	35.005	0.774	-18.995	54.000	34.232	AV

Profile: 2420073R	Page No.: 23
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:35
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



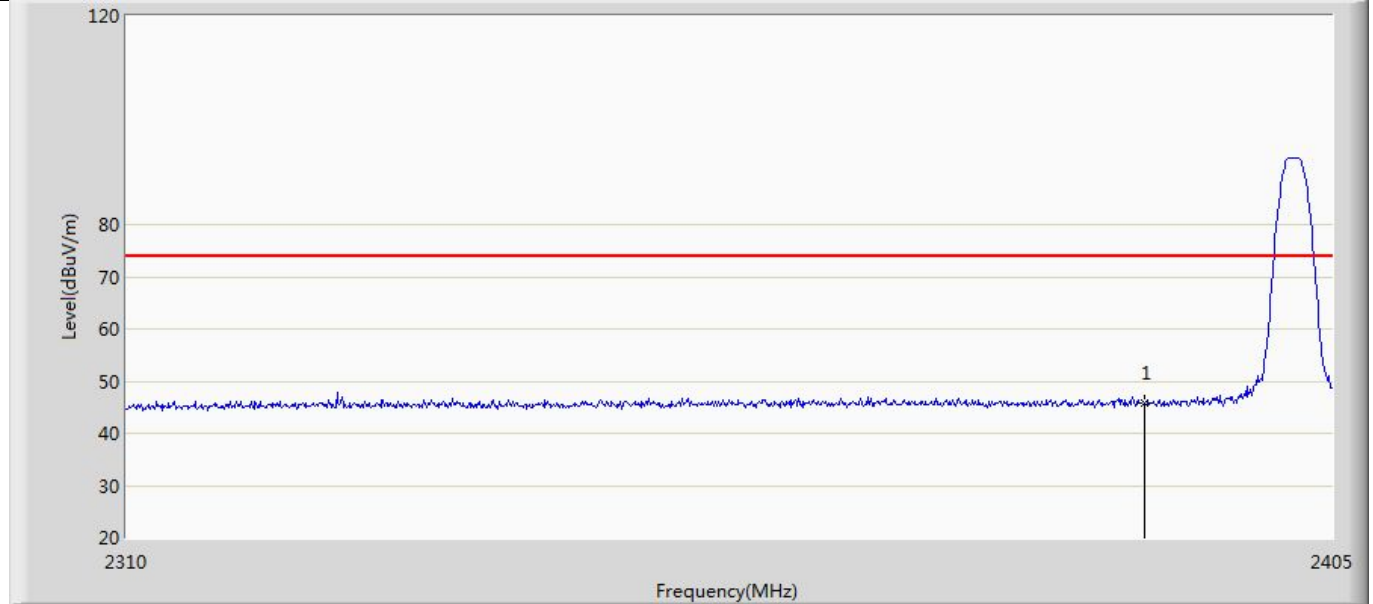
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	47.765	13.534	-26.235	74.000	34.232	PK

Profile: 2420073R	Page No.: 24
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:36
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00123988(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 3 : Transmit at 2480MHz by LE_Coded S=8	



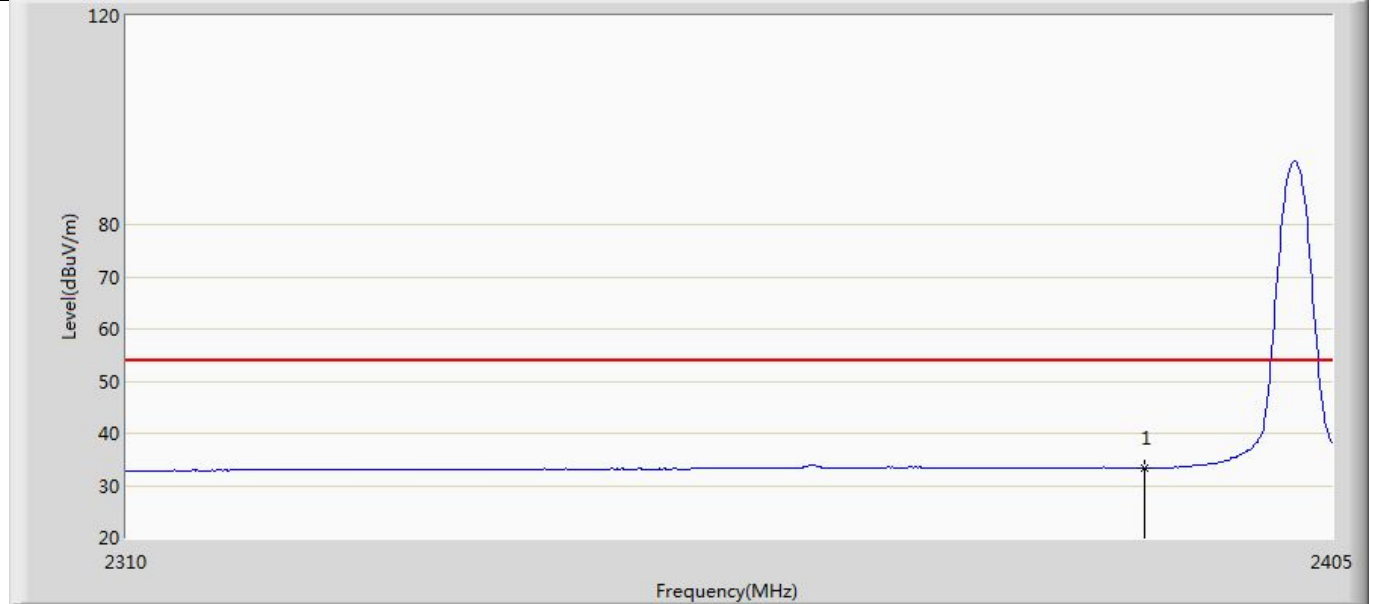
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	35.886	1.655	-18.114	54.000	34.232	AV

Profile: 2420073R	Page No.: 25
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:37
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=2	



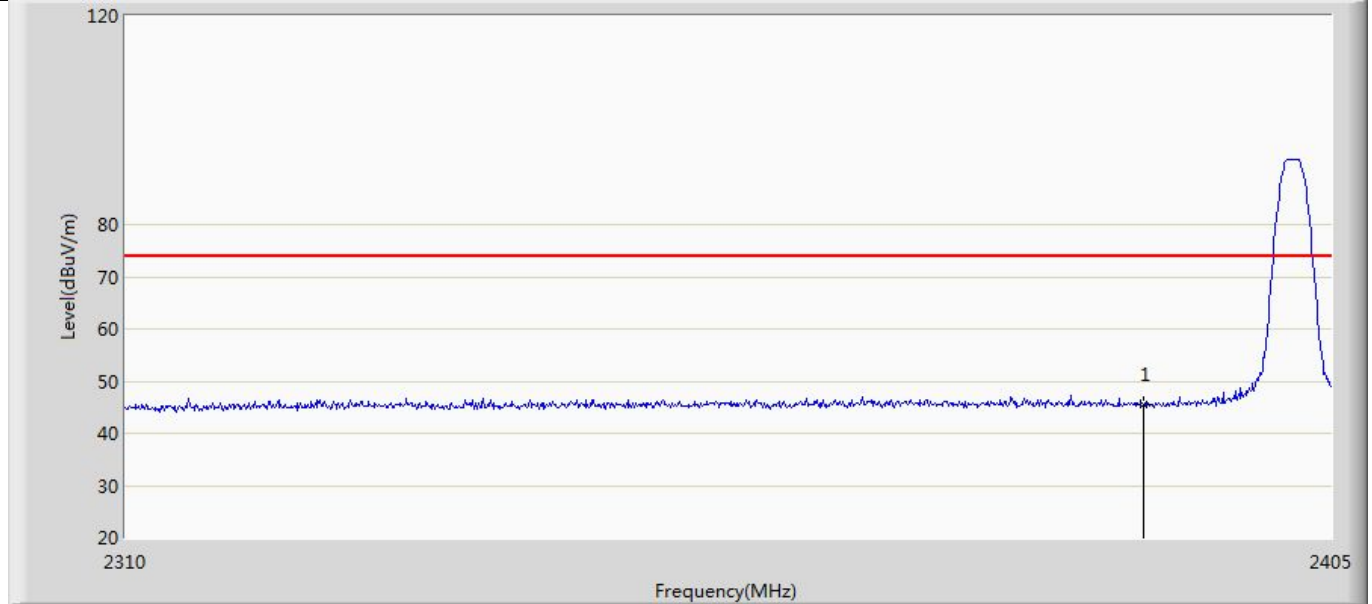
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.836	11.685	-28.164	74.000	34.151	PK

Profile: 2420073R	Page No.: 26
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:39
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=2	



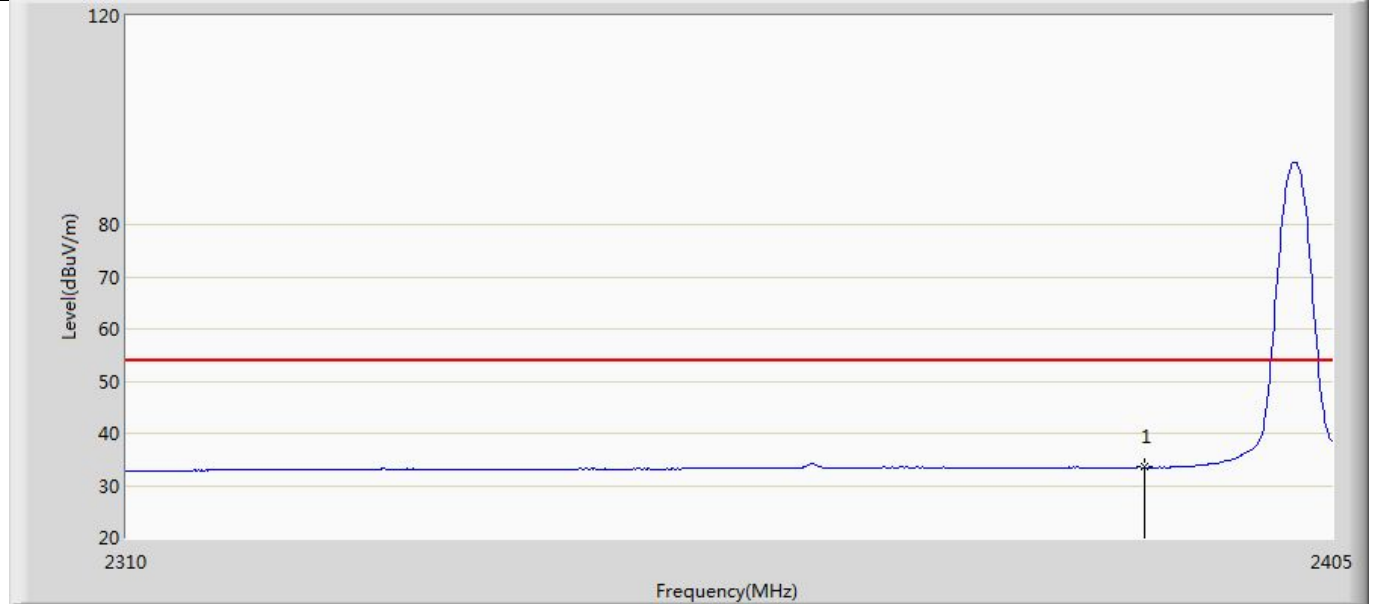
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.408	-0.743	-20.592	54.000	34.151	AV

Profile: 2420073R	Page No.: 27
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:40
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=2	



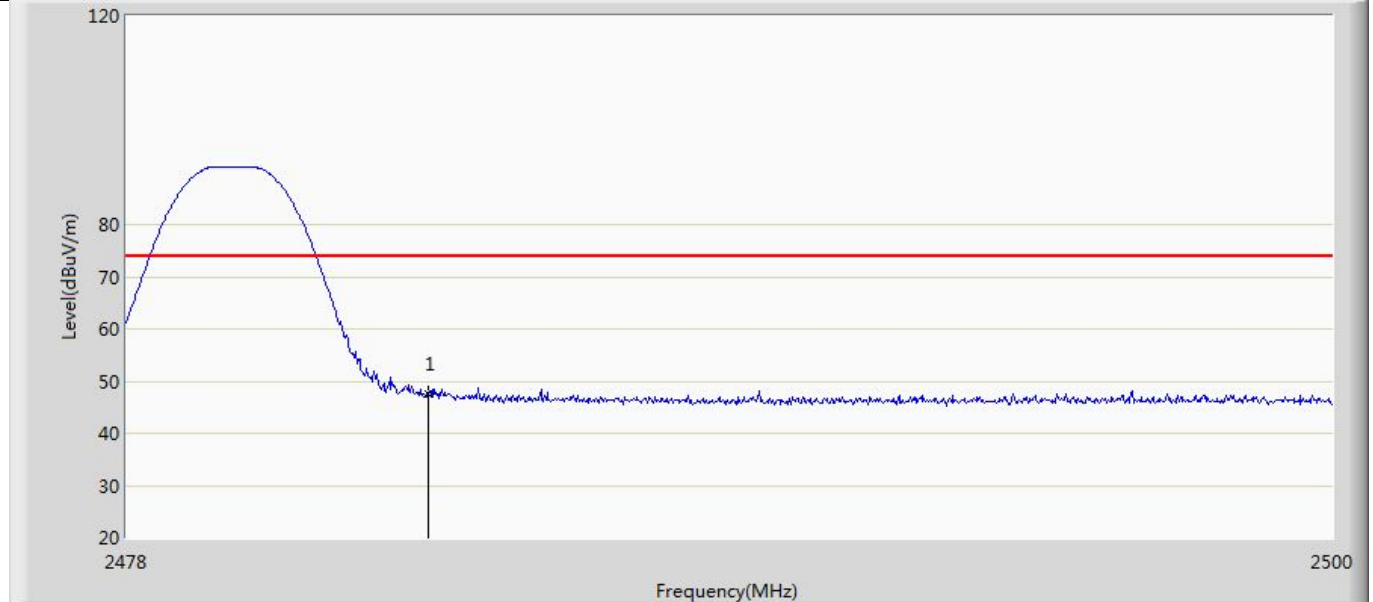
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	45.402	11.251	-28.598	74.000	34.151	PK

Profile: 2420073R	Page No.: 28
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:41
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : Transmit at 2402MHz by LE_Coded S=2	



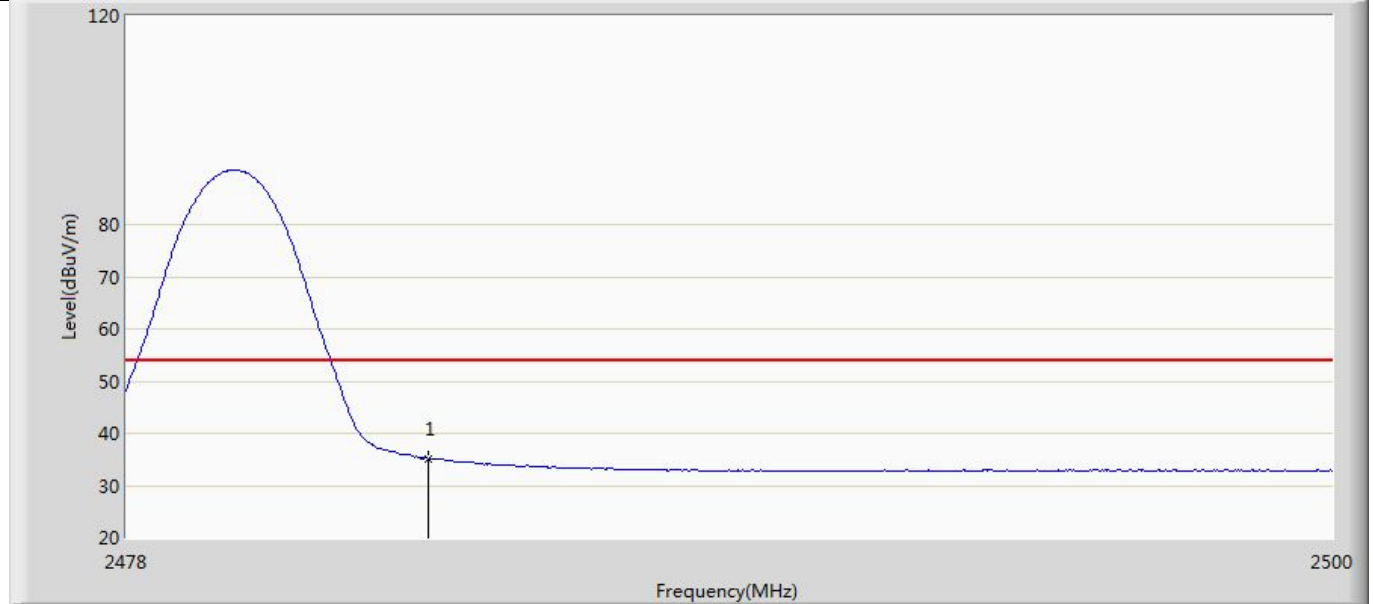
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2390.000	33.487	-0.664	-20.513	54.000	34.151	AV

Profile: 2420073R	Page No.: 29
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:43
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=2	



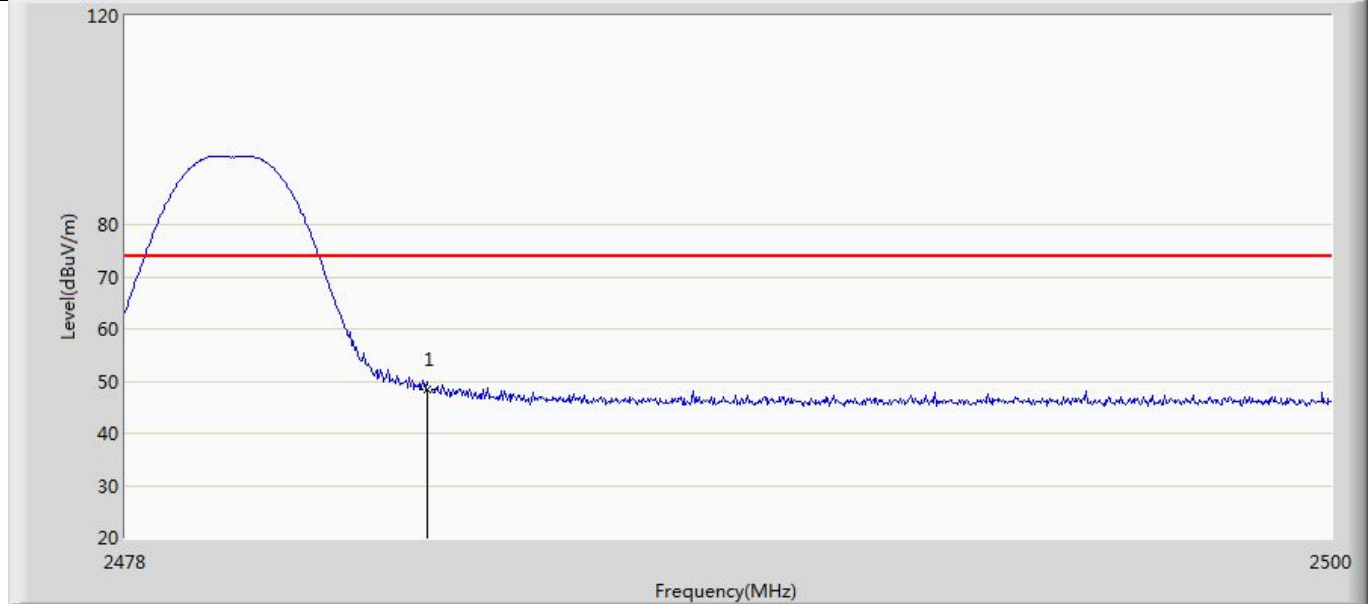
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	47.663	13.207	-26.337	74.000	34.456	PK

Profile: 2420073R	Page No.: 30
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:46
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Horizontal
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : Transmit at 2480MHz by LE_Coded S=2	



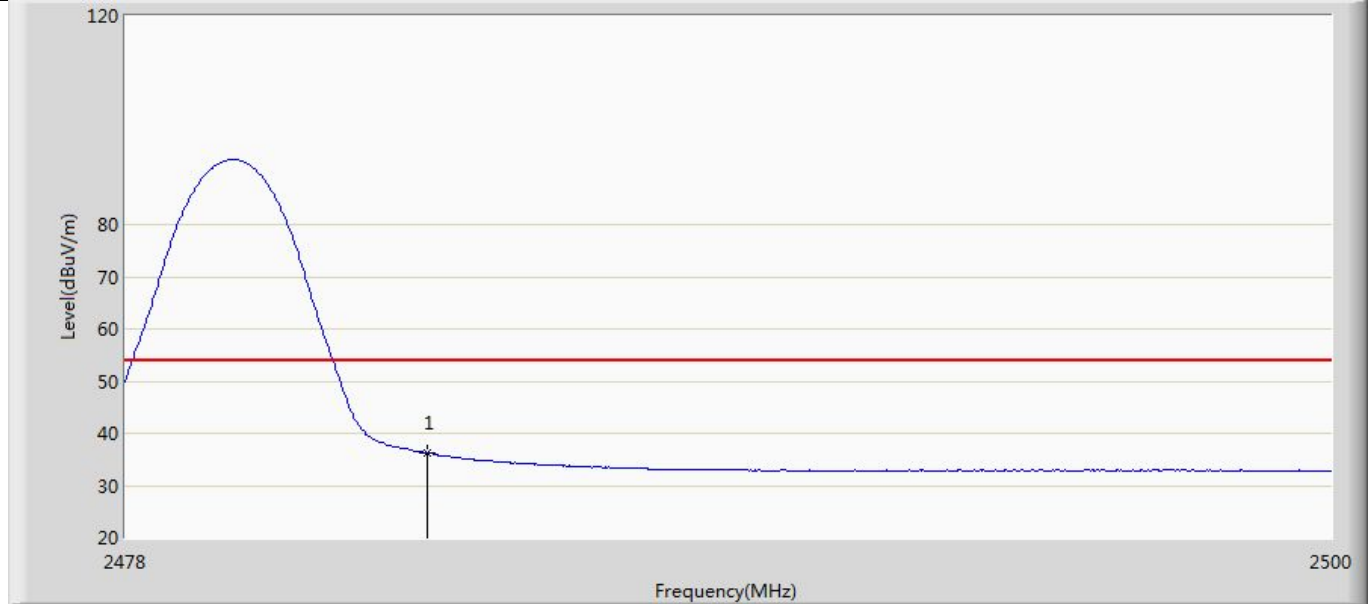
No	Mark	Frequency (MHz)	Measure Level (dBuV/m)	Reading Level (dBuV)	Over Limit (dB)	Limit (dBuV/m)	Factor (dB)	Type
1	*	2483.500	35.197	0.741	-18.803	54.000	34.456	AV

Profile: 2420073R	Page No.: 31
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:47
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : 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	48.410	13.954	-25.590	74.000	34.456	PK

Profile: 2420073R	Page No.: 32
Engineer: Pengchengyang	
Site: AC5	Time: 2024/02/22 - 09:48
Limit: FCC_Part15.209_RE(3m)	Margin: 0
Probe: Horn_3117_00167055(1-18GHz)	Polarity: Vertical
EUT: LED lamp	Power: 120Vac/60Hz
Note: Mode 4 : 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	36.202	1.746	-17.798	54.000	34.456	AV

Note:

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

Appendix F: Fundamental emission output power

TestMode	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
Mode 1	2402	8.47	≤30	8.79	≤36	PASS
	2440	8.60	≤30	8.92	≤36	PASS
	2480	8.43	≤30	8.75	≤36	PASS
Mode 2	2402	8.47	≤30	8.79	≤36	PASS
	2440	8.59	≤30	8.91	≤36	PASS
	2480	8.40	≤30	8.72	≤36	PASS
Mode 3	2402	8.36	≤30	8.68	≤36	PASS
	2440	8.59	≤30	8.91	≤36	PASS
	2480	8.45	≤30	8.77	≤36	PASS
Mode 4	2402	8.34	≤30	8.66	≤36	PASS
	2440	8.63	≤30	8.95	≤36	PASS
	2480	8.42	≤30	8.74	≤36	PASS

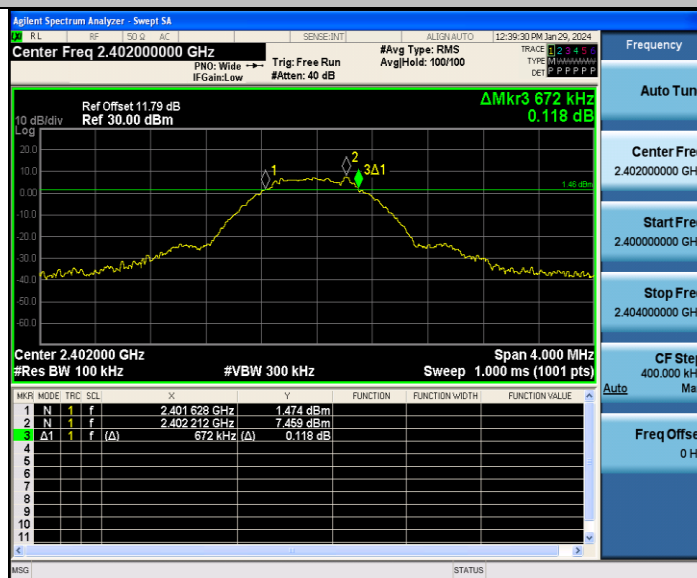
Appendix G: DTS Bandwidth

6dB bandwidth:

TestMode	Frequency[MHz]	DTS BW [MHz] (6dB bandwidth)	Limit[MHz]	Verdict
Mode 1	2402	0.672	0.5	PASS
	2440	0.712	0.5	PASS
	2480	0.680	0.5	PASS
Mode 2	2402	1.344	0.5	PASS
	2440	1.332	0.5	PASS
	2480	1.348	0.5	PASS
Mode 3	2402	0.672	0.5	PASS
	2440	0.672	0.5	PASS
	2480	0.672	0.5	PASS
Mode 4	2402	0.668	0.5	PASS
	2440	0.680	0.5	PASS
	2480	0.684	0.5	PASS

Test Graphs:

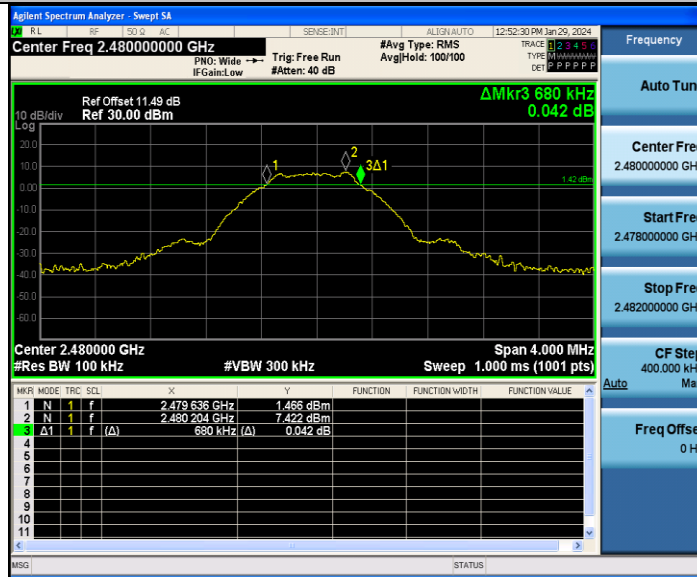
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



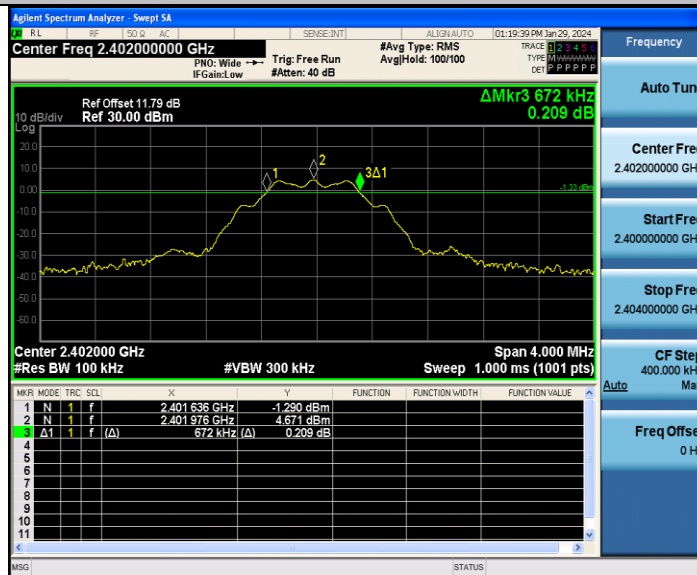
BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



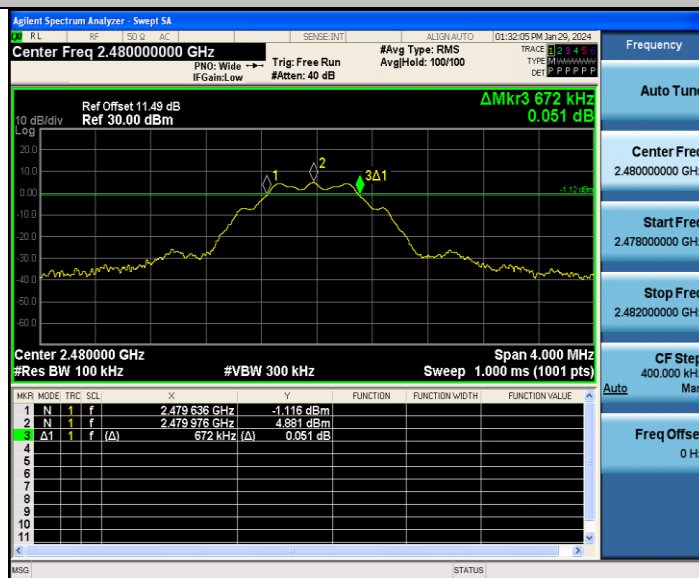
BLE_125K_Ant1_2402



BLE_125K_Ant1_2440



BLE_125K_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480

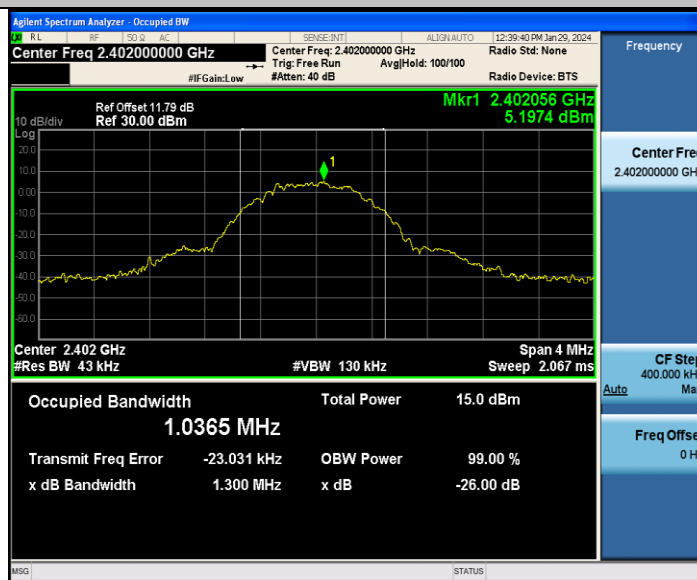


99% Occupied bandwidth:

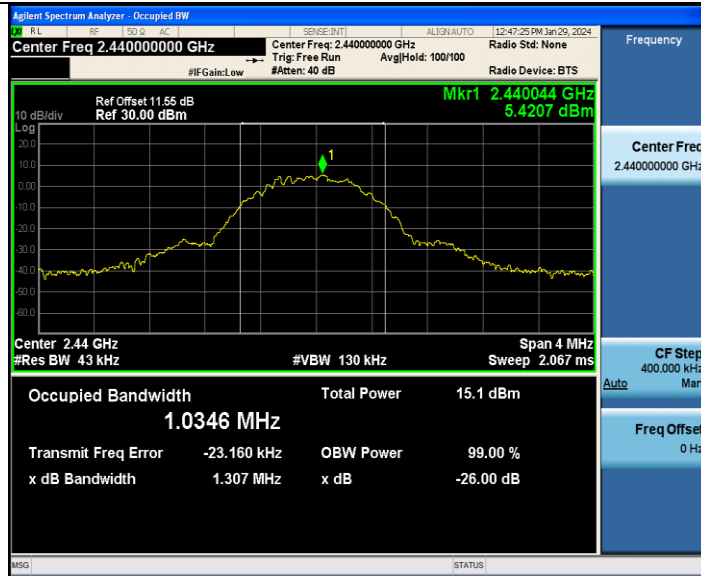
TestMode	Frequency[MHz]	99% OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
Mode 1	2402	1.0365	2401.4587	2402.4952	Within band	Pass
	2440	1.0346	2439.4595	2440.4941	Within band	Pass
	2480	1.0372	2479.4570	2480.4942	Within band	Pass
Mode 2	2402	2.1118	2400.9323	2403.0441	Within band	Pass
	2440	2.1141	2438.9323	2441.0464	Within band	Pass
	2480	2.1228	2478.9263	2481.0491	Within band	Pass
Mode 3	2402	1.0691	2401.4373	2402.5064	Within band	Pass
	2440	1.0684	2439.4367	2440.5051	Within band	Pass
	2480	1.0675	2479.4379	2480.5054	Within band	Pass
Mode 4	2402	1.0389	2401.4552	2402.4941	Within band	Pass
	2440	1.0338	2439.4584	2440.4922	Within band	Pass
	2480	1.0330	2479.4574	2480.4904	Within band	Pass

Test Graphs

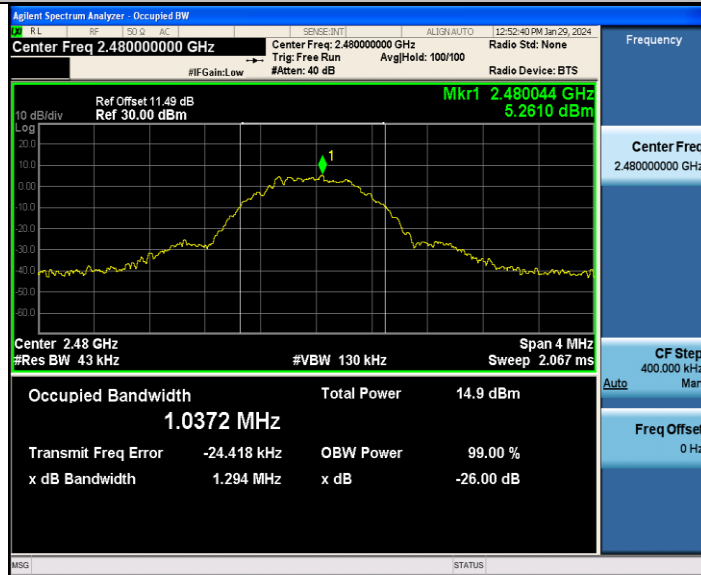
BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



BLE_2M_Ant1_2402



BLE_2M_Ant1_2440



BLE_2M_Ant1_2480



BLE_125K_Ant1_2402



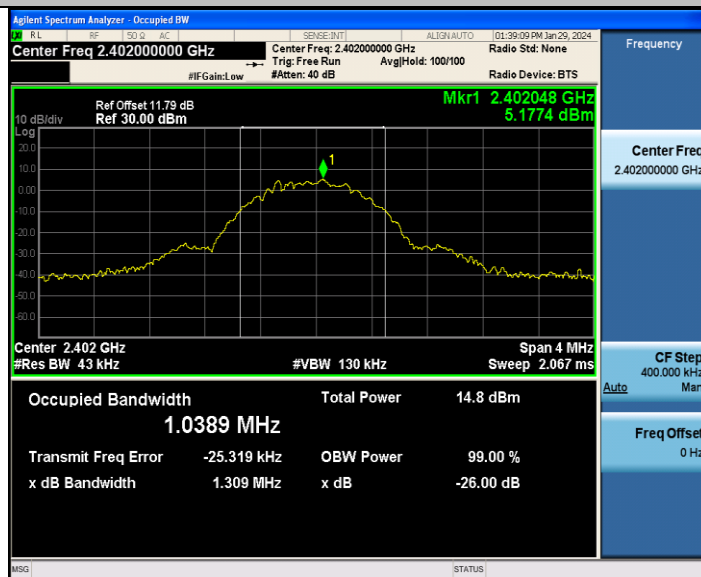
BLE_125K_Ant1_2440



BLE_125K_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480



Appendix H: Power Spectral Density

TestMode	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
Mode 1	2402	-6.91	≤8.00	PASS
	2440	-6.77	≤8.00	PASS
	2480	-6.90	≤8.00	PASS
Mode 2	2402	-9.41	≤8.00	PASS
	2440	-9.25	≤8.00	PASS
	2480	-9.43	≤8.00	PASS
Mode 3	2402	1.92	≤8.00	PASS
	2440	2.19	≤8.00	PASS
	2480	2.03	≤8.00	PASS
Mode 4	2402	-7.07	≤8.00	PASS
	2440	-6.79	≤8.00	PASS
	2480	-6.87	≤8.00	PASS

Test Graphs

BLE_1M_Ant1_2402



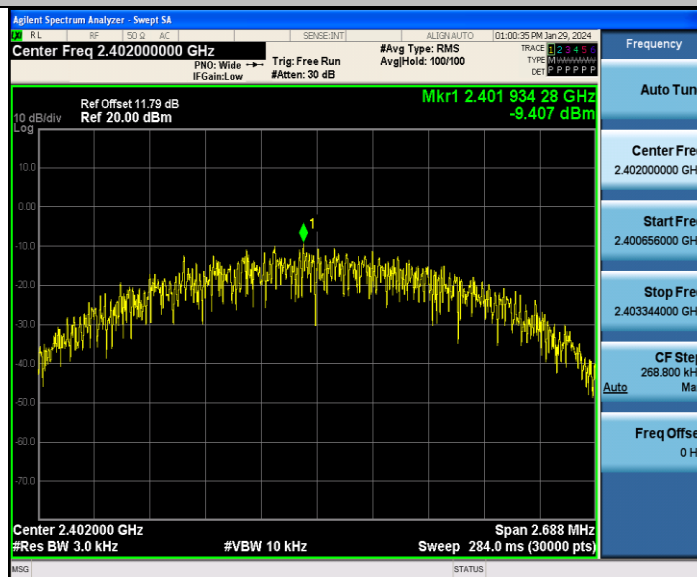
BLE_1M_Ant1_2440



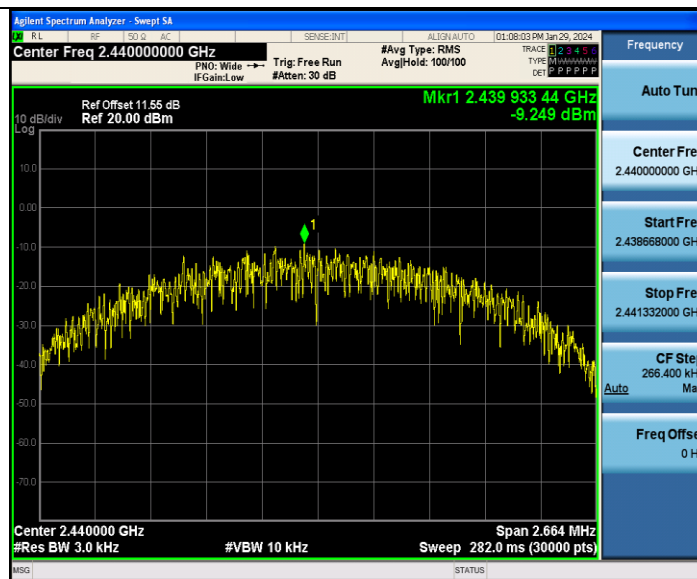
BLE_1M_Ant1_2480



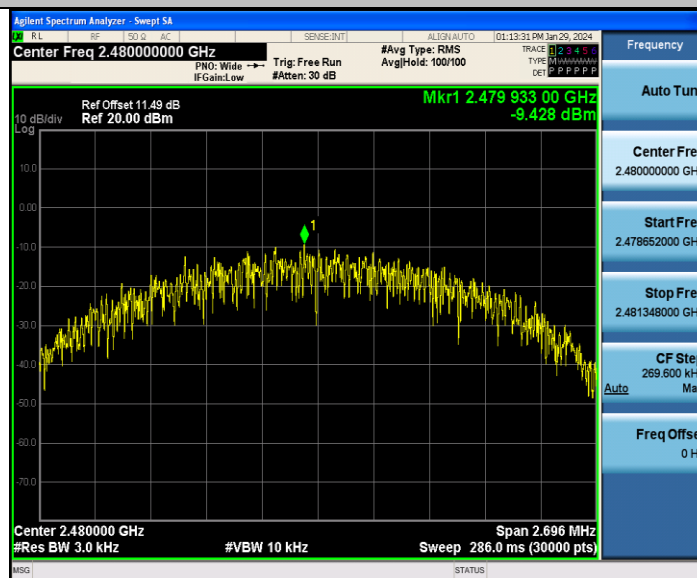
BLE_2M_Ant1_2402



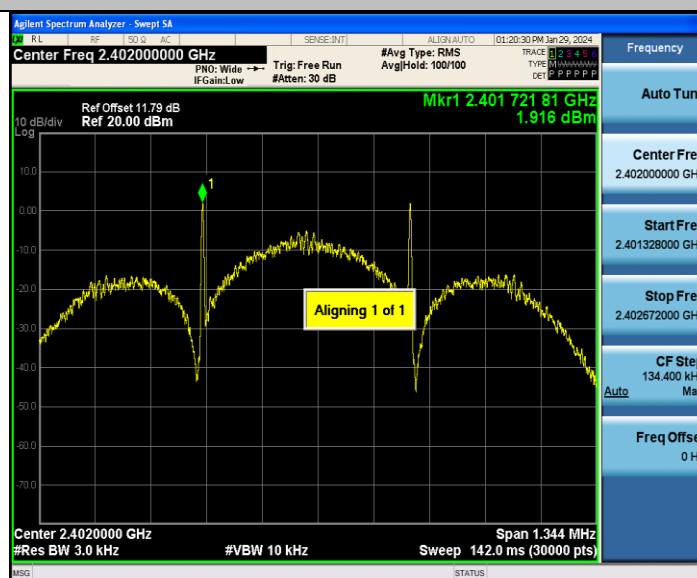
BLE_2M_Ant1_2440



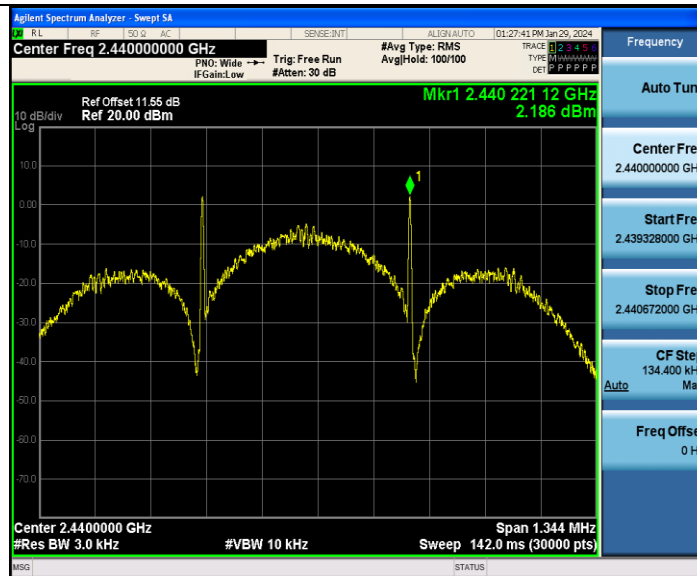
BLE_2M_Ant1_2480



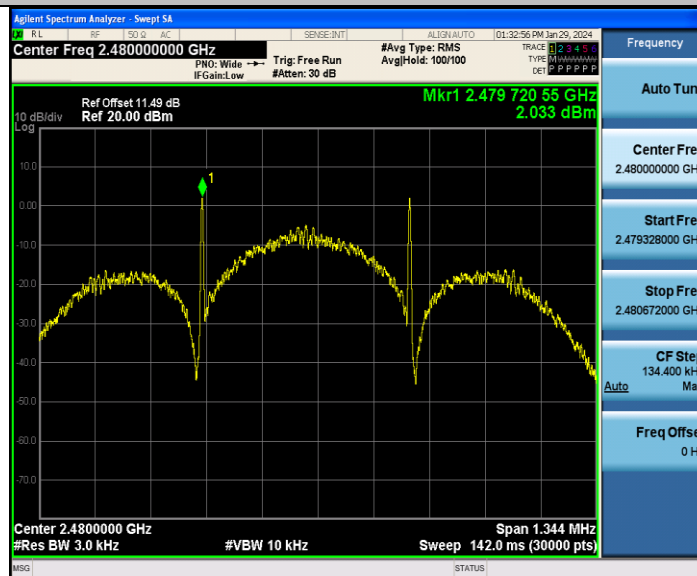
BLE_125K_Ant1_2402



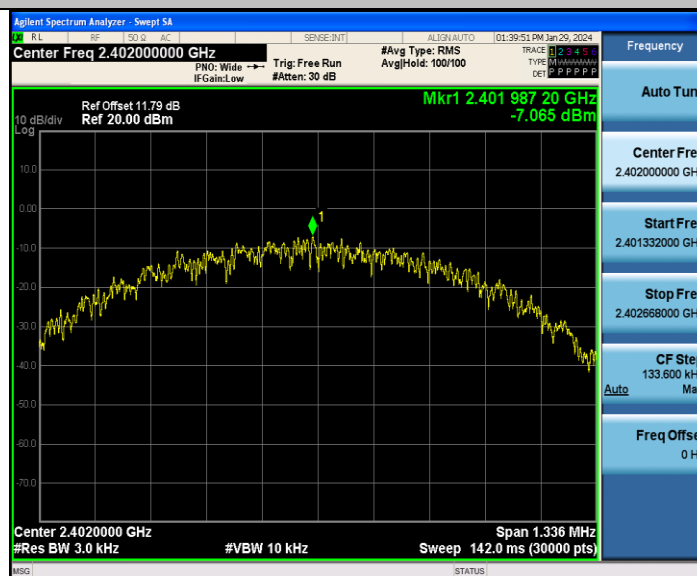
BLE_125K_Ant1_2440



BLE_125K_Ant1_2480



BLE_500K_Ant1_2402



BLE_500K_Ant1_2440



BLE_500K_Ant1_2480



The End