

Appendix A: Test Results of Bluetooth LE

APPENDIX A: TEST RESULTS OF BLUETOOTH LE	1
APPENDIX A.1: TEST RESULTS OF 6dB BANDWIDTH	2
Test Result	2
Test Graphs	3
APPENDIX A.2: TEST RESULTS OF 99% BANDWIDTH	6
Test Result	6
Test Graphs	7
APPENDIX A.3: TEST RESULTS OF CONDUCTED POWER SPECTRAL DENSITY	10
Test Result	10
Test Graphs	11
APPENDIX A.4: TEST RESULTS OF BAND EDGE MEASUREMENTS	14
Test Result	14
Test Graphs	15
APPENDIX A.5: TEST RESULTS OF CONDUCTED SPURIOUS EMISSION	17
Test Result	17
Test Graphs	18
APPENDIX A.6: TEST RESULTS OF RADIATED SPURIOUS EMISSIONS	25
APPENDIX A.7: TEST RESULTS OF RADIATED EMISSIONS IN RESTRICTED BANDS	43
APPENDIX A.8: TEST RESULTS OF CONDUCTED EMISSION ON AC MAINS	51

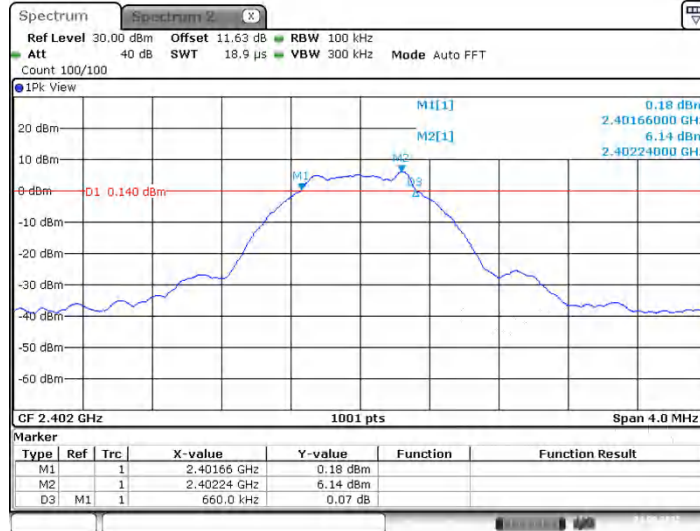
Appendix A.1: Test Results of 6dB Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.66	2401.66	2402.32	0.5	PASS
		2440	0.66	2439.66	2440.32	0.5	PASS
		2480	0.66	2479.66	2480.32	0.5	PASS
BLE_2M	Ant1	2402	1.18	2401.40	2402.58	0.5	PASS
		2440	1.24	2439.34	2440.58	0.5	PASS
		2480	1.23	2479.34	2480.58	0.5	PASS

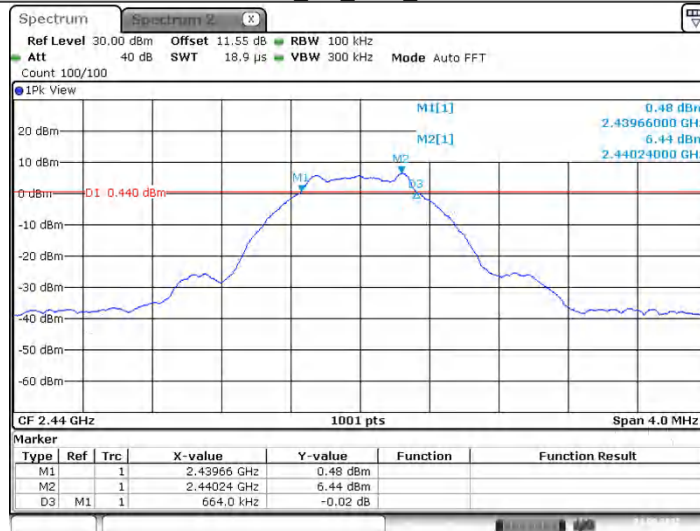
Test Graphs

BLE_1M_Ant1_2402



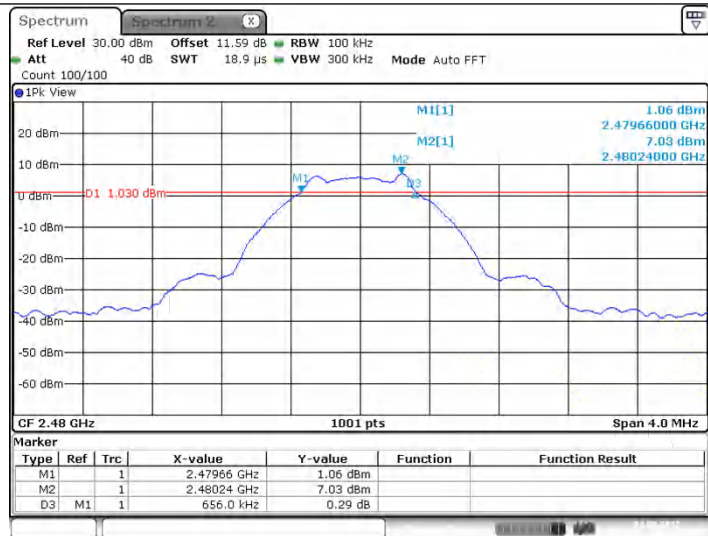
Date: 1.AUG.2025 16:10:31

BLE_1M_Ant1_2440



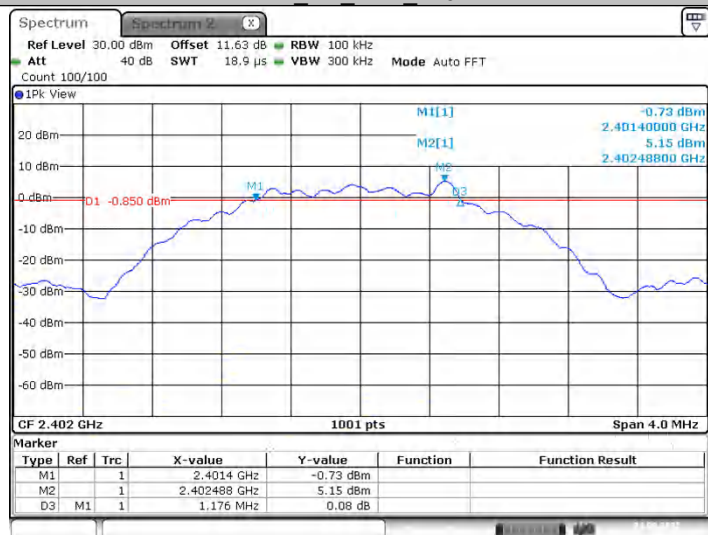
Date: 1.AUG.2025 16:14:36

BLE_1M_Ant1_2480



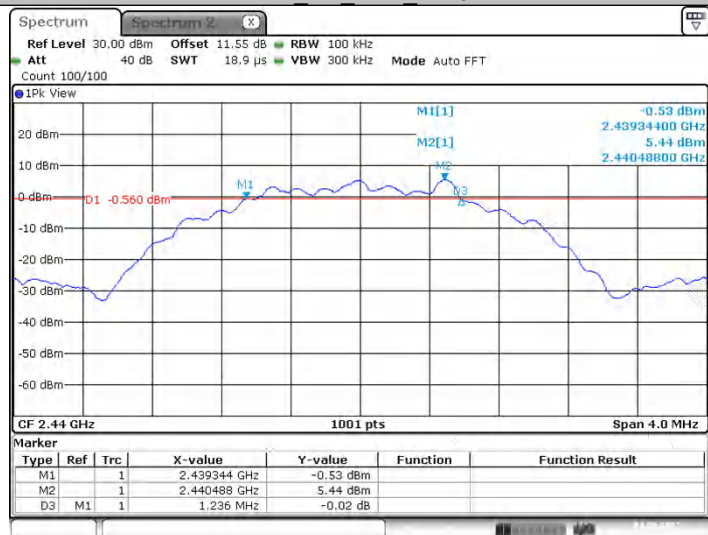
Date: 1.AUG.2025 16:16:45

BLE 2M Ant1 2402



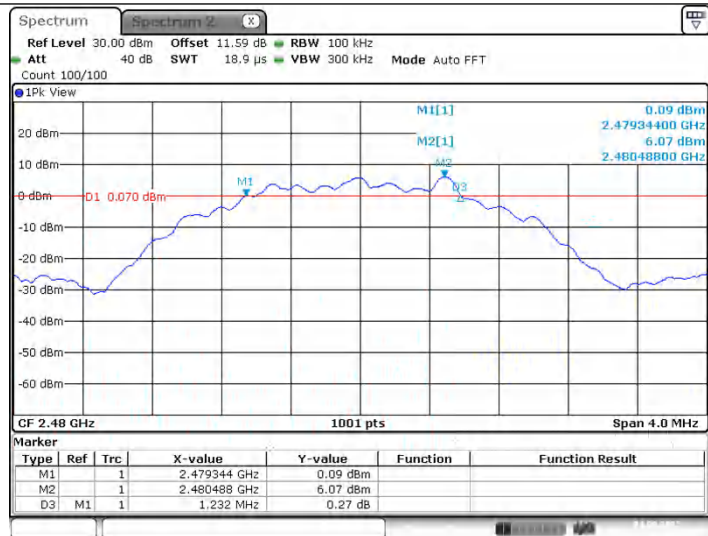
Date: 1.AUG.2025 16:19:53

BLE 2M Ant1 2440



Date: 1.AUG.2025 16:22:40

BLE 2M Ant1 2480



Date: 1.AUG.2025 16:25:01

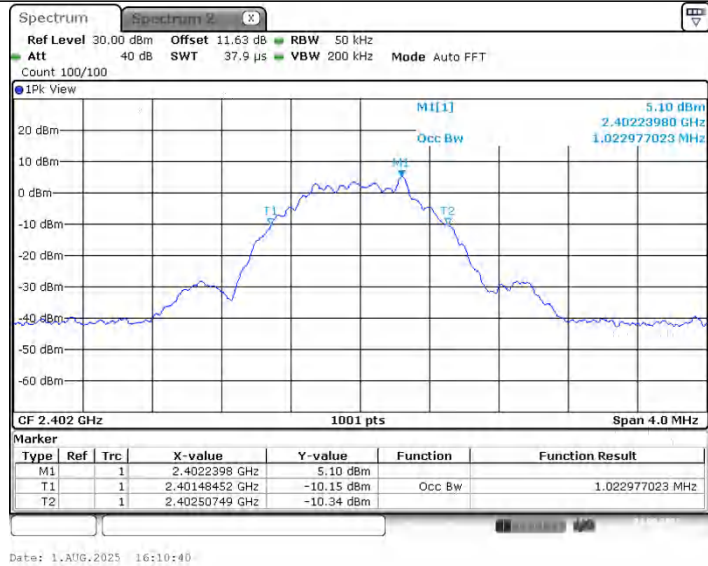
Appendix A.2: Test Results of 99% Bandwidth

Test Result

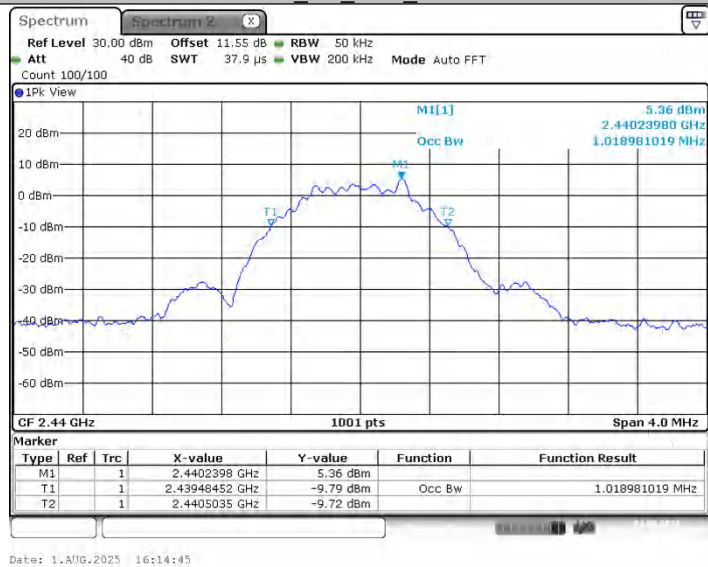
TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.023	2401.4845	2402.5075	---	PASS
		2440	1.019	2439.4845	2440.5035	---	PASS
		2480	1.019	2479.4845	2480.5035	---	PASS
BLE_2M	Ant1	2402	2.058	2400.9770	2403.0350	---	PASS
		2440	2.054	2438.9810	2441.0350	---	PASS
		2480	2.054	2478.9810	2481.0350	---	PASS

Test Graphs

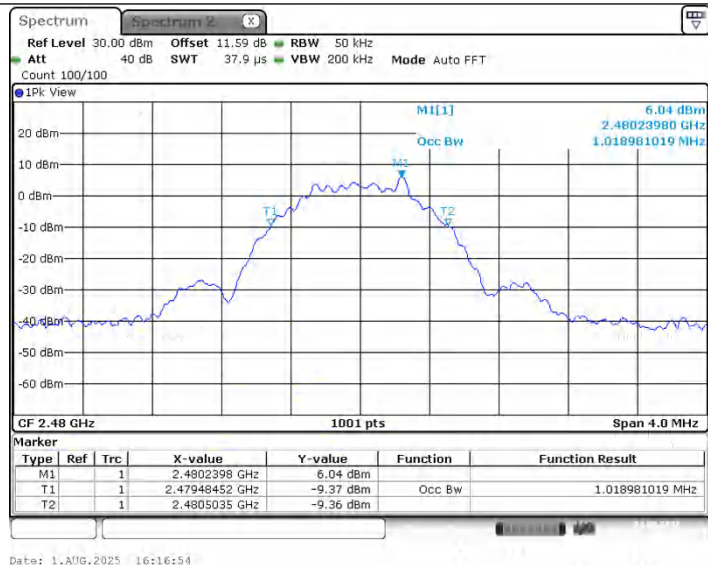
BLE_1M_Ant1_2402



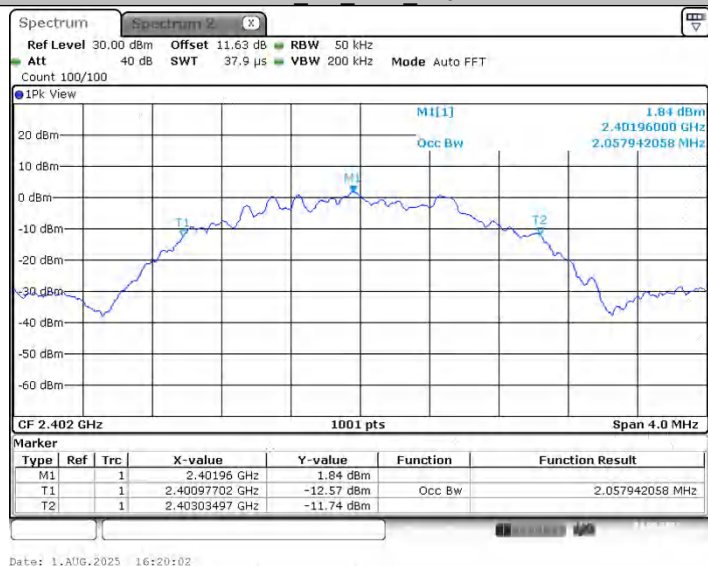
BLE_1M_Ant1_2440



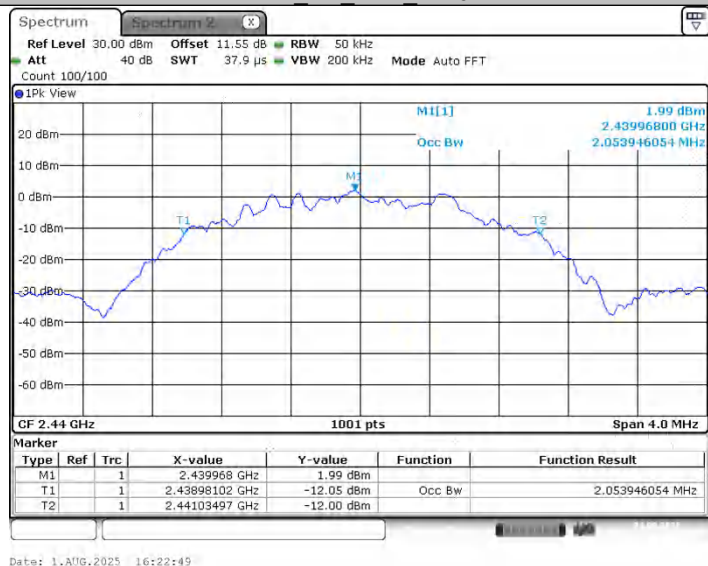
BLE_1M_Ant1_2480



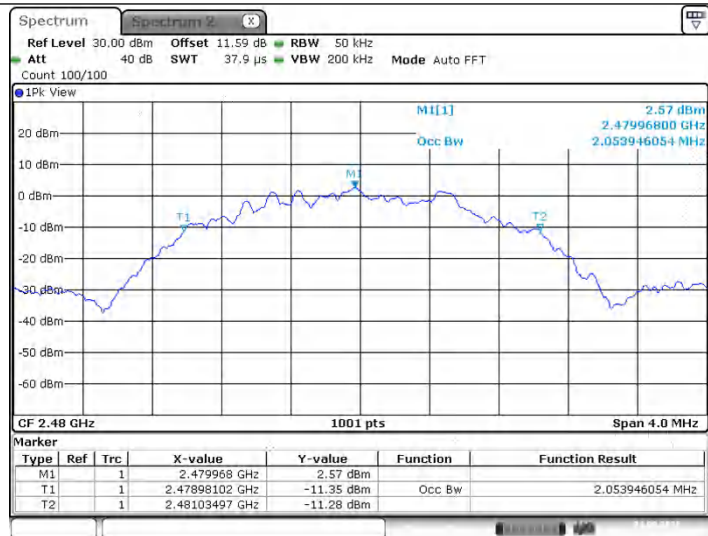
BLE 2M Ant1 2402



BLE 2M Ant1 2440



BLE 2M Ant1 2480



Date: 1.AUG.2025 16:25:10

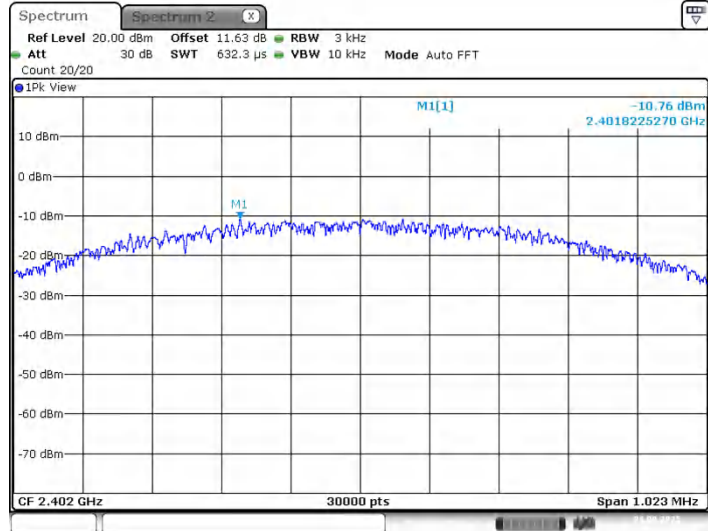
Appendix A.3: Test Results of Conducted Power Spectral Density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-10.76	≤8.00	PASS
		2440	-10.21	≤8.00	PASS
		2480	-9.61	≤8.00	PASS
BLE_2M	Ant1	2402	-13.33	≤8.00	PASS
		2440	-13.01	≤8.00	PASS
		2480	-12.53	≤8.00	PASS

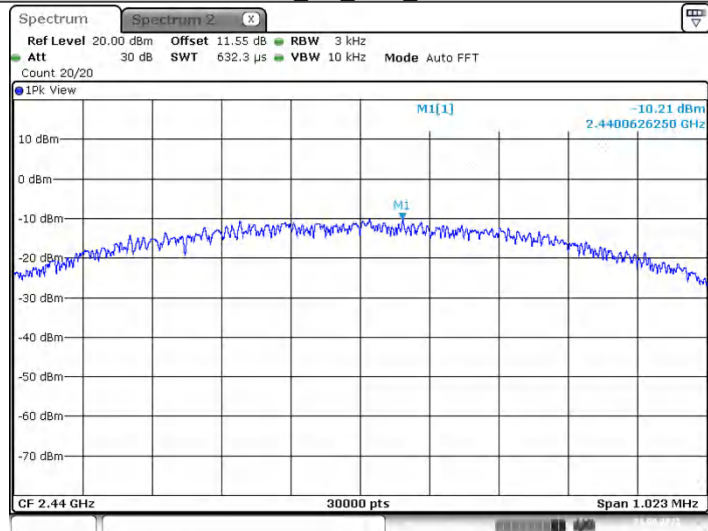
Test Graphs

BLE_1M_Ant1_2402



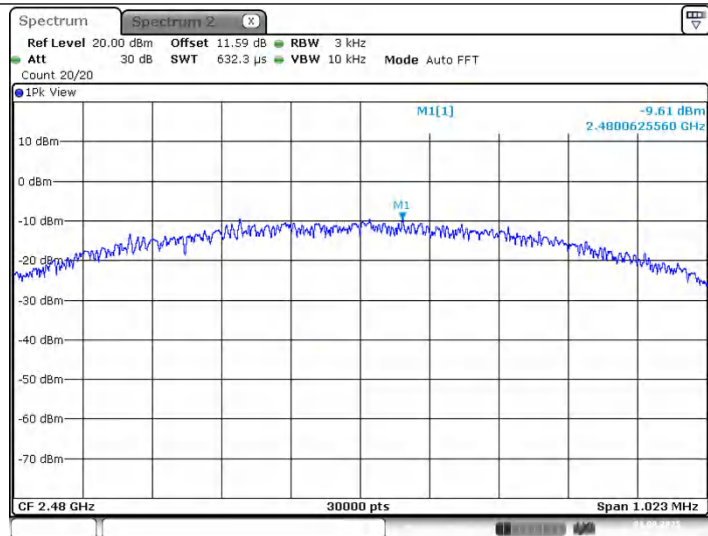
Date: 1.AUG.2025 16:11:00

BLE_1M_Ant1_2440



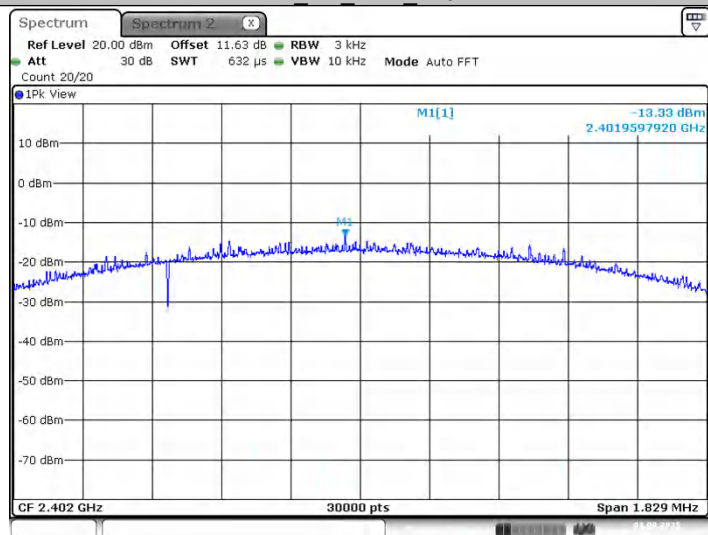
Date: 1.AUG.2025 16:15:05

BLE_1M_Ant1_2480



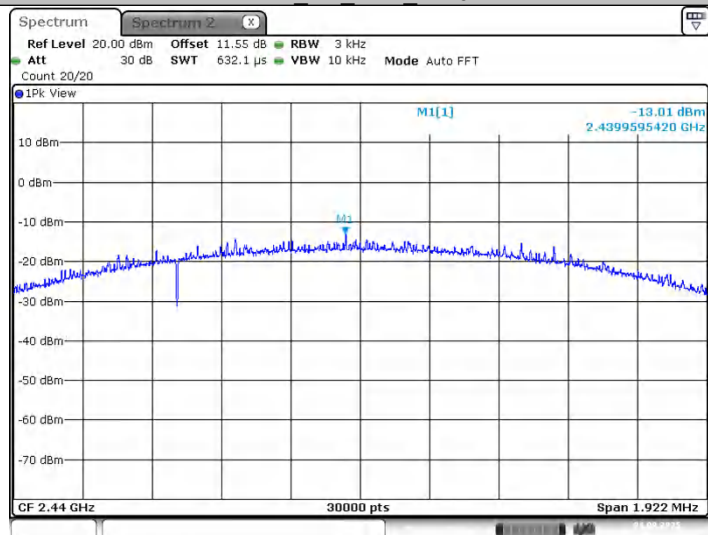
Date: 1.AUG.2025 16:17:15

BLE 2M Ant1_2402



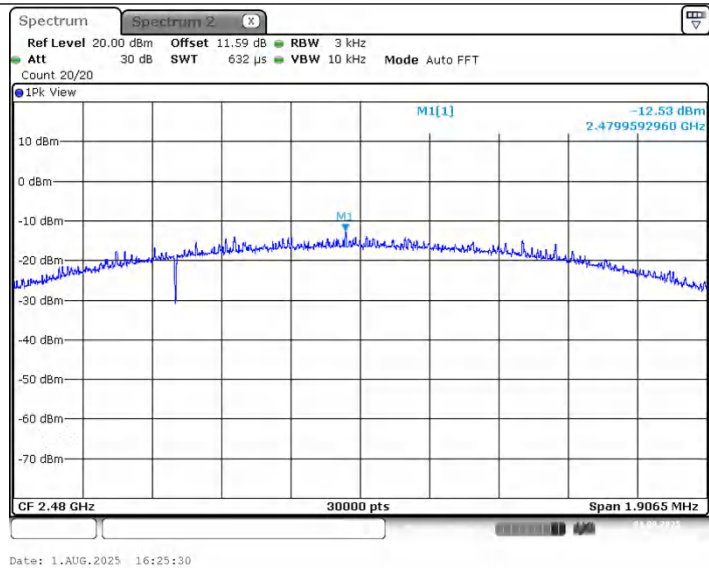
Date: 1.AUG.2025 16:20:22

BLE 2M Ant1_2440



Date: 1.AUG.2025 16:23:09

BLE 2M Ant1_2480



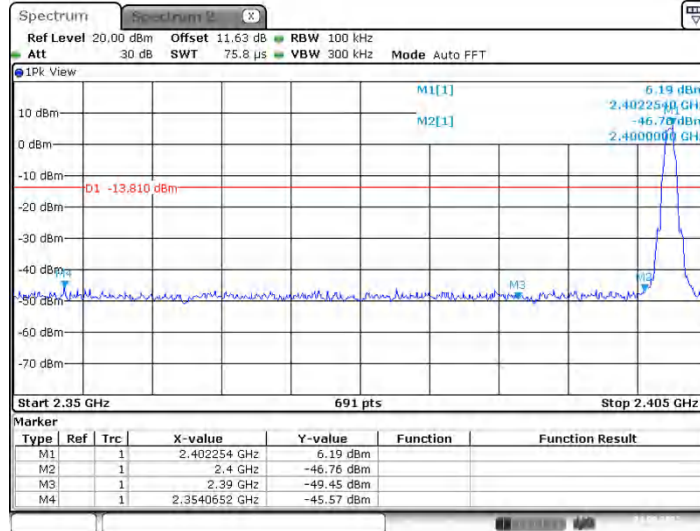
Appendix A.4: Test Results of Band Edge Measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	6.19	-45.57	≤-13.81	PASS
		High	2480	6.19	-44.33	≤-13.81	PASS
BLE_2M	Ant1	Low	2402	4.98	-26.89	≤-15.02	PASS
		High	2480	3.89	-44.65	≤-16.11	PASS

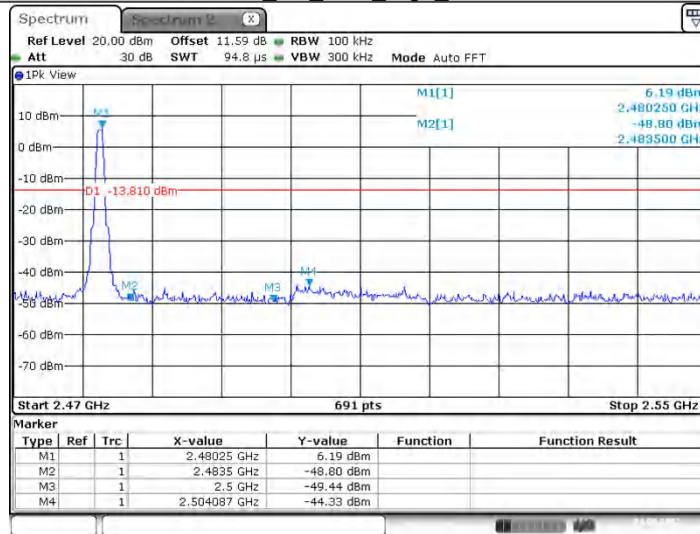
Test Graphs

BLE_1M_Ant1_Low_2402



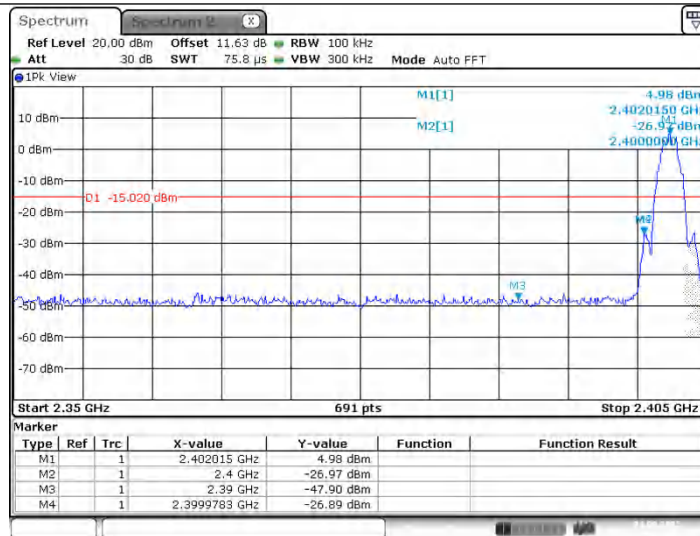
Date: 1.AUG.2025 16:11:12

BLE_1M_Ant1_High_2480



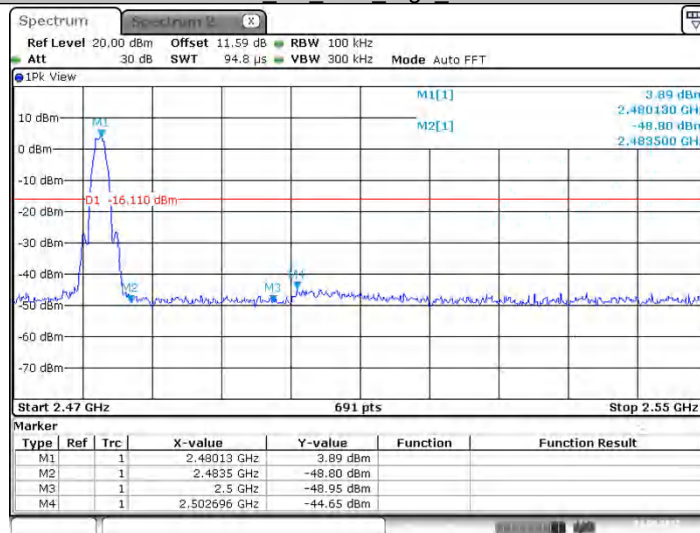
Date: 1.AUG.2025 16:17:27

BLE_2M_Ant1_Low_2402



Date: 1.AUG.2025 16:20:34

BLE 2M Ant1 High 2480



Date: 1.AUG.2025 16:25:42

Appendix A.5: Test Results of Conducted Spurious Emission

Test Result

TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	6.18	6.18	---	PASS
			30~1000	6.18	-45.28	≤-13.82	PASS
			1000~26500	6.18	-38.23	≤-13.82	PASS
		2440	Reference	6.42	6.42	---	PASS
			30~1000	6.42	-44.9	≤-13.58	PASS
			1000~26500	6.42	-37.6	≤-13.58	PASS
		2480	Reference	7.00	7.00	---	PASS
			30~1000	7.00	-45.65	≤-13	PASS
			1000~26500	7.00	-37.59	≤-13	PASS
BLE_2M	Ant1	2402	Reference	5.19	5.19	---	PASS
			30~1000	5.19	-46.46	≤-14.81	PASS
			1000~26500	5.19	-37.76	≤-14.81	PASS
		2440	Reference	5.40	5.40	---	PASS
			30~1000	5.40	-45.31	≤-14.6	PASS
			1000~26500	5.40	-38.02	≤-14.6	PASS
		2480	Reference	5.90	5.90	---	PASS
			30~1000	5.90	-44.37	≤-14.1	PASS
			1000~26500	5.90	-37.88	≤-14.1	PASS

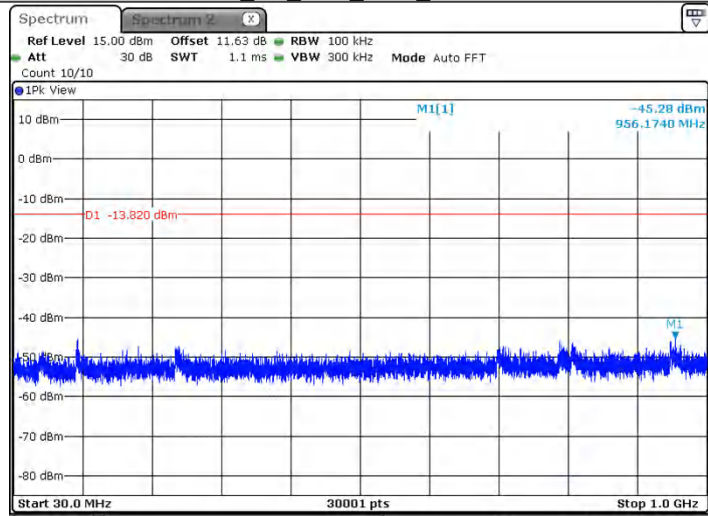
Test Graphs

BLE_1M_Ant1_2402_0~Reference



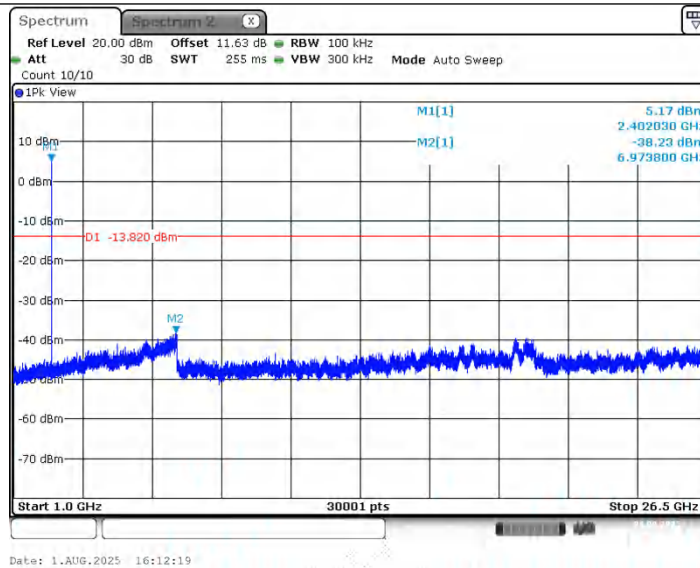
Date: 1.AUG.2025 16:11:23

BLE_1M_Ant1_2402_30~1000

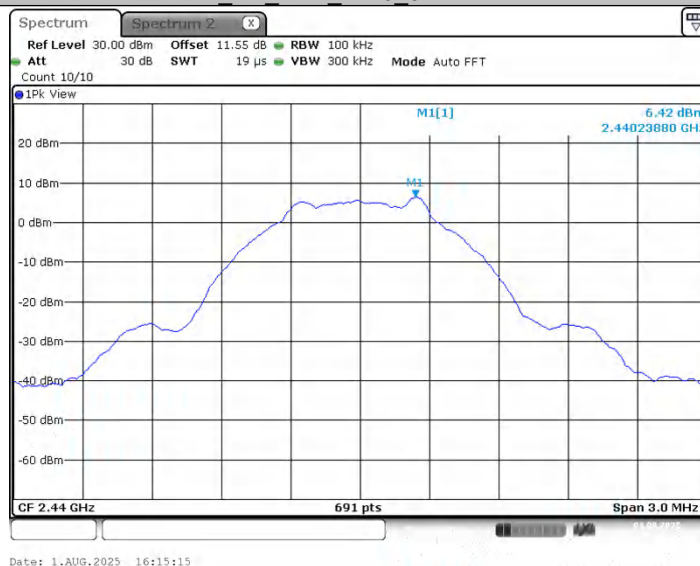


Date: 1.AUG.2025 16:11:38

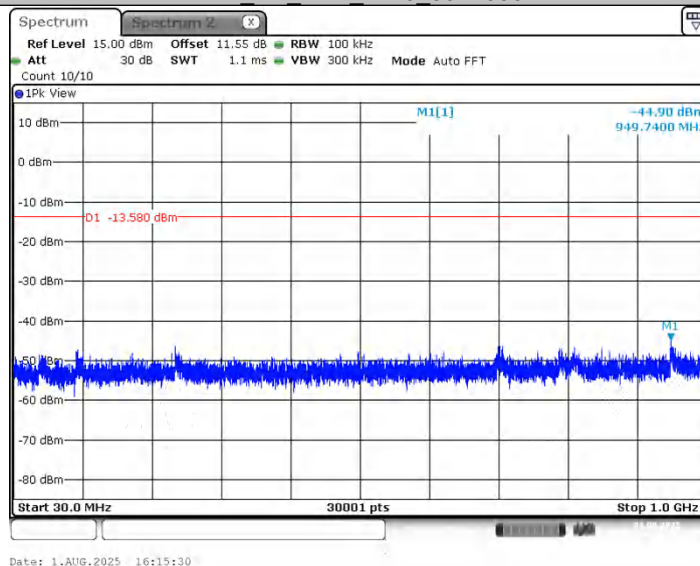
BLE_1M_Ant1_2402_1000~26500



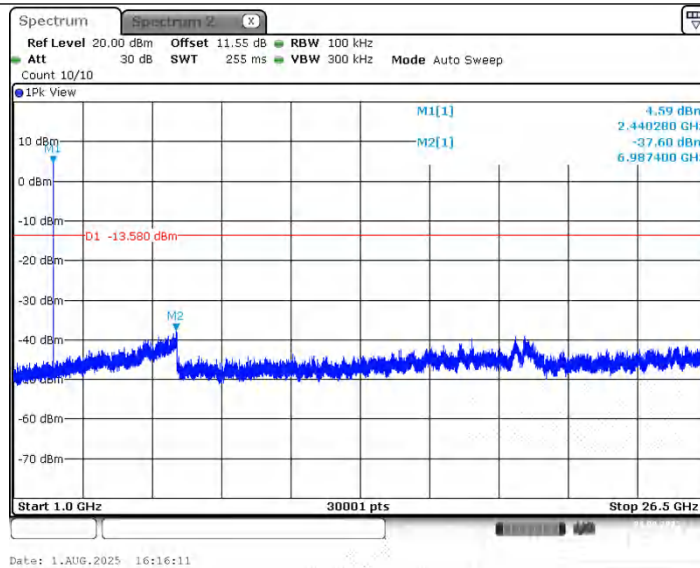
BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



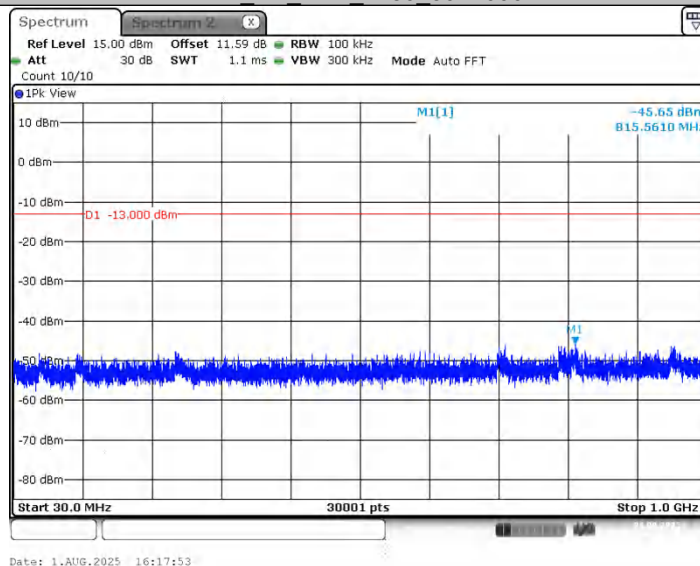
BLE_1M_Ant1_2440_1000~26500



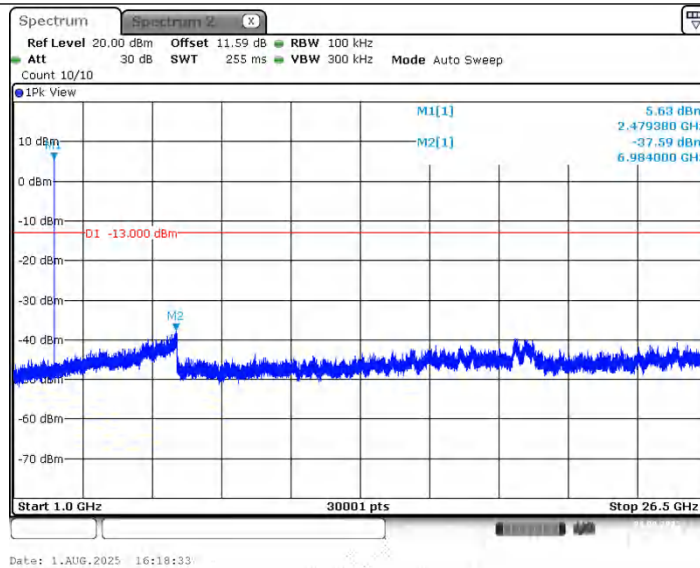
BLE_1M_Ant1_2480_0~Reference



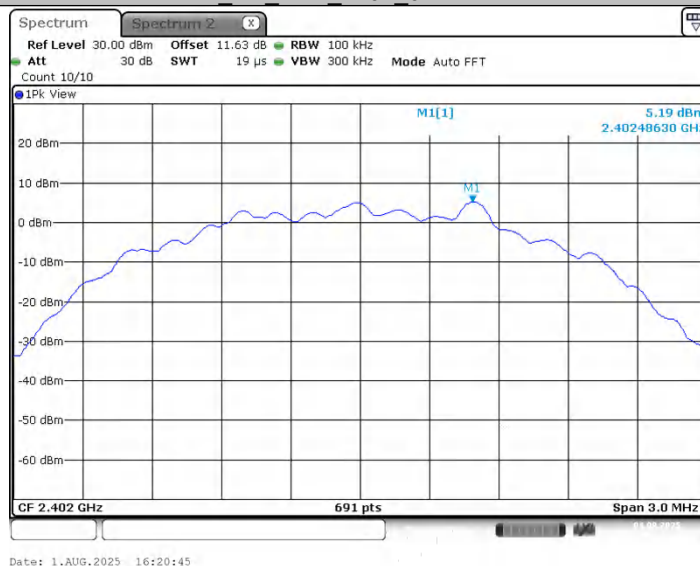
BLE_1M_Ant1_2480_30~1000



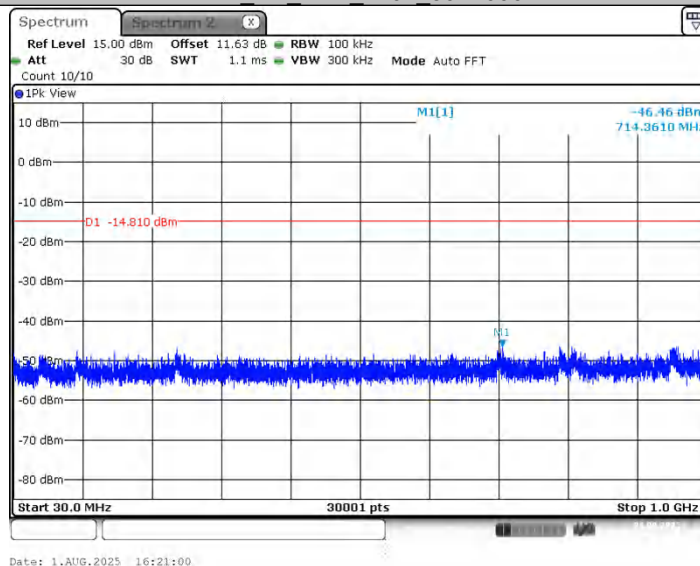
BLE_1M_Ant1_2480_1000~26500



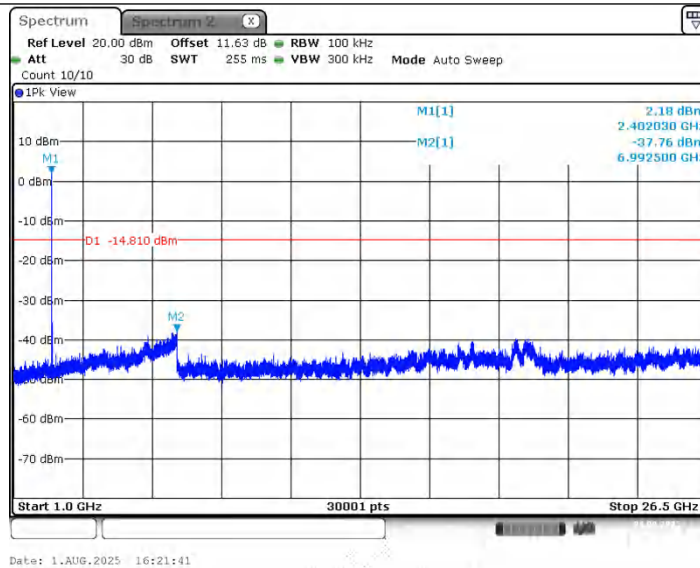
BLE_2M_Ant1_2402_0~Reference



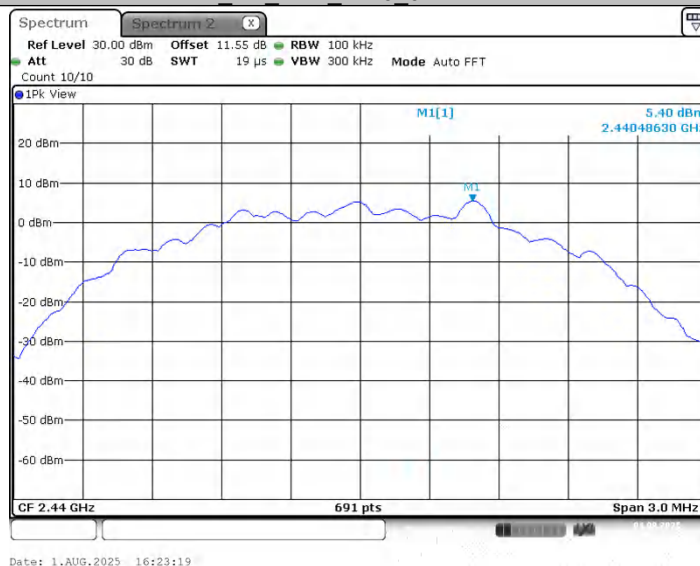
BLE_2M_Ant1_2402_30~1000



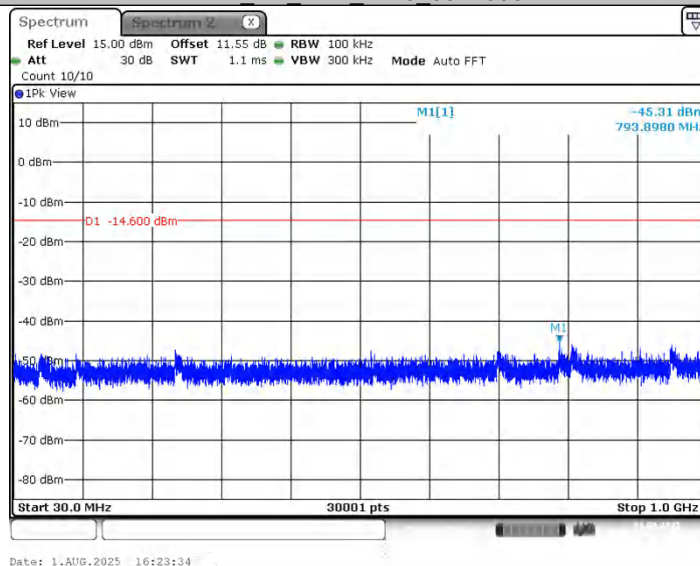
BLE_2M_Ant1_2402_1000~26500



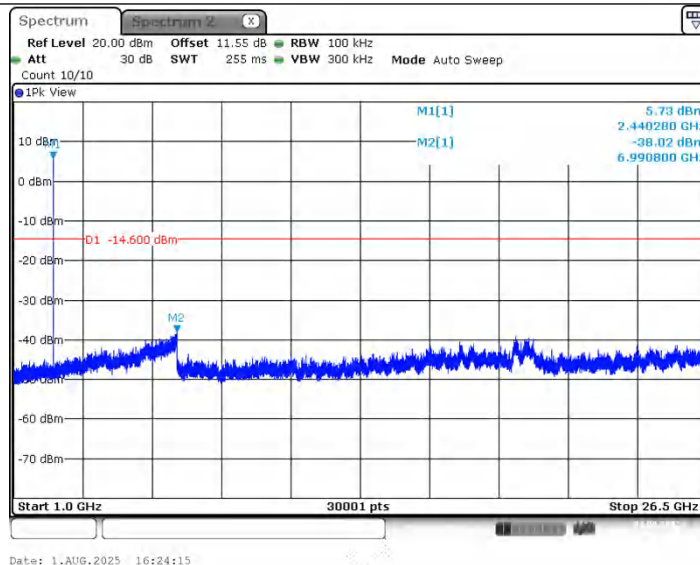
BLE_2M_Ant1_2440_0~Reference



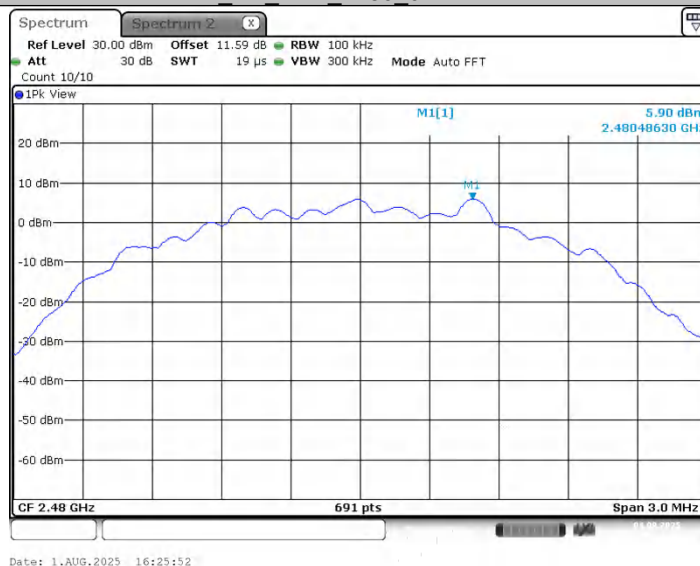
BLE_2M_Ant1_2440_30~1000



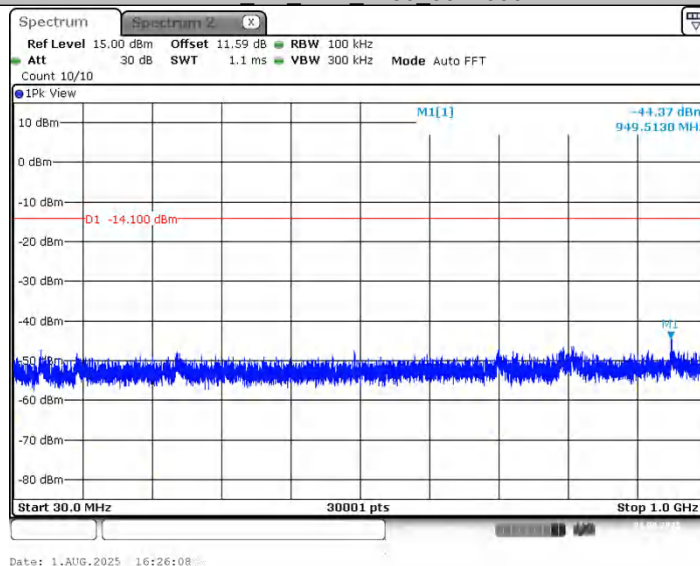
BLE_2M_Ant1_2440_1000~26500



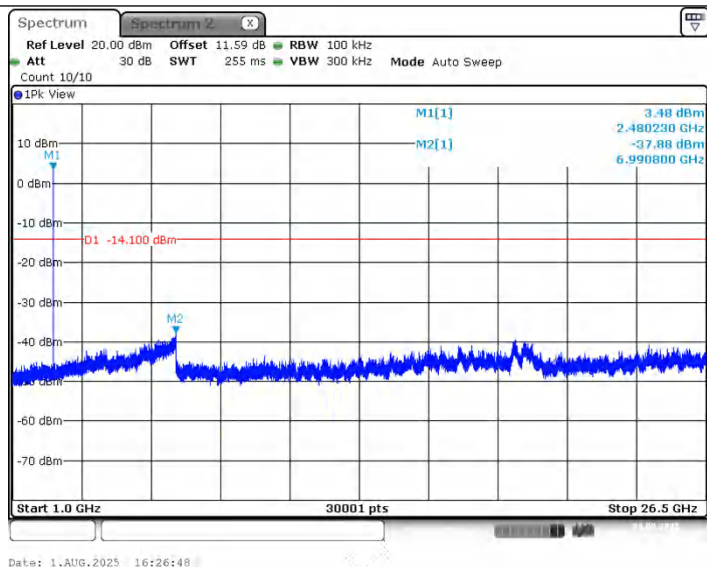
BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



BLE_2M_Ant1_2480_1000~26500



Appendix A.6: Test Results of Radiated Spurious Emissions

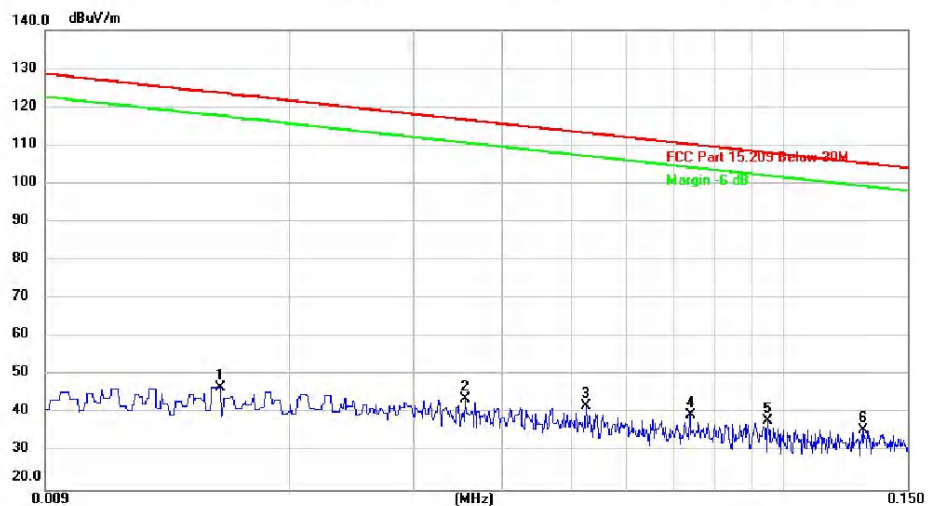


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luhua Community, Guanhu Subdistrict,
Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#	Polarization: Vertical	Temperature: 25(C)
Limit: FCC Part 15.209 Below 30M	Power: AC120V/60Hz	Humidity: 56 %
EUT: SWAN Beauty Mirror		
M/N: SM020-BK		
Mode: BLE 1M 2402		
Note:		

Radiated Emission Measurement

File :20250820 Data :#1 Date: 2025/08/20 Time: 11:40:11



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0159	54.40	-7.70	46.70	123.58	-76.88	peak			P	
2	0.0354	55.28	-11.50	43.78	116.62	-72.84	peak			P	
3	0.0524	54.10	-12.15	41.95	113.22	-71.27	peak			P	
4	0.0737	52.27	-12.72	39.55	110.26	-70.71	peak			P	
5	0.0950	52.83	-14.54	38.29	108.05	-69.76	peak			P	
6 *	0.1295	50.13	-14.40	35.73	105.36	-69.63	peak			P	

*:Maximum data x:Over limit !:over margin

File :20250820\Data :#1

Page: 1

Engineer Signature: Jim



CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#

Limit: FCC Part 15.209 Below 30M

EUT: SWAN Beauty Mirror

M/N: SM020-BK

Mode: BLE 1M 2402

Note:

Polarization: **Horizontal**

Temperature: 25(C)

Power: AC120V/60Hz

Humidity: 56 %

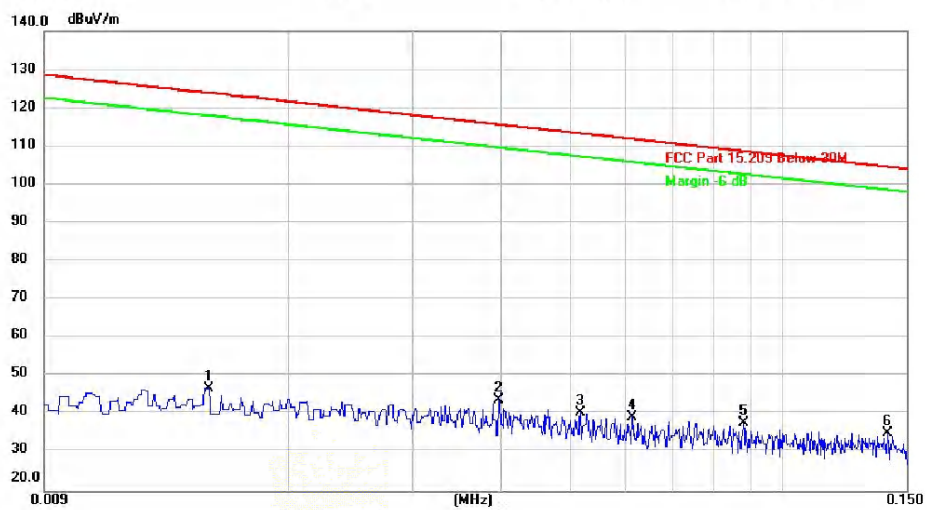
Radiated Emission Measurement

File :20250820

Data :#2

Date: 2025/08/20

Time: 11:41:53



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.0154	54.41	-7.57	46.84	123.85	-77.01	peak			P	
2	0.0396	55.51	-11.69	43.82	115.65	-71.83	peak			P	
3	0.0517	52.81	-12.15	40.66	113.33	-72.67	peak			P	
4	0.0613	51.73	-12.23	39.50	111.86	-72.36	peak			P	
5	0.0879	52.31	-14.35	37.96	108.72	-70.76	peak			P	
6 *	0.1408	49.54	-14.49	35.05	104.63	-69.58	peak			P	

*:Maximum data x:Over limit !:over margin

File :20250820\Data :#2

Page: 1

Engineer Signature:

Jim



CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#

Limit: FCC Part 15.209 Below 30M

EUT: SWAN Beauty Mirror

M/N: SM020-BK

Mode: BLE 1M 2402

Note:

Polarization: **Vertical**

Power: AC120V/60Hz

Temperature: 25(C)

Humidity: 56 %

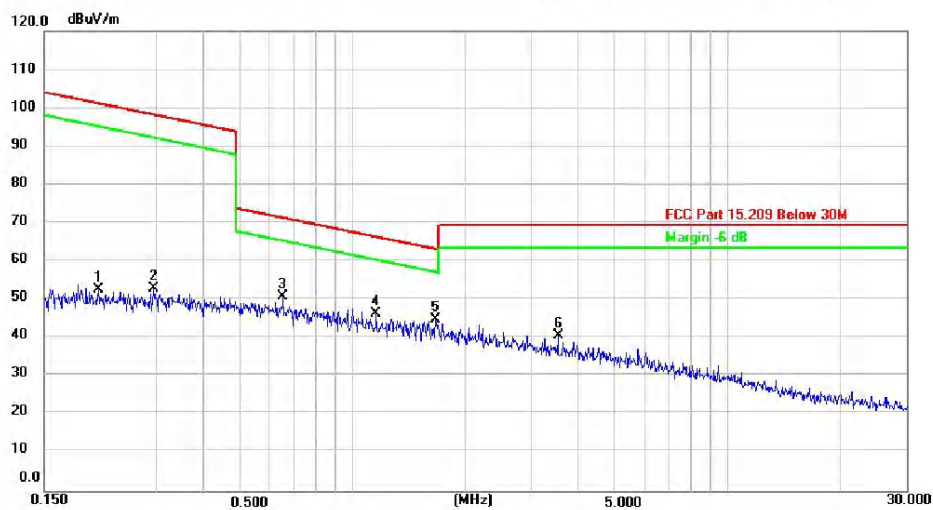
Radiated Emission Measurement

File :20250820

Data :#3

Date: 2025/08/20

Time: 11:43:30



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.2094	67.49	-14.80	52.69	101.18	-48.49	peak			P	
2	0.2938	68.07	-15.11	52.96	98.24	-45.28	peak			P	
3	0.6508	66.01	-15.17	50.84	71.34	-20.50	peak			P	
4	1.1532	61.55	-15.09	46.46	66.37	-19.91	peak			P	
5 *	1.6624	60.07	-15.13	44.94	63.19	-18.25	peak			P	
6	3.5278	55.69	-15.13	40.56	69.54	-28.98	peak			P	

*:Maximum data x:Over limit !:over margin

File :20250820\Data :#3

Page: 1

Engineer Signature: Jim



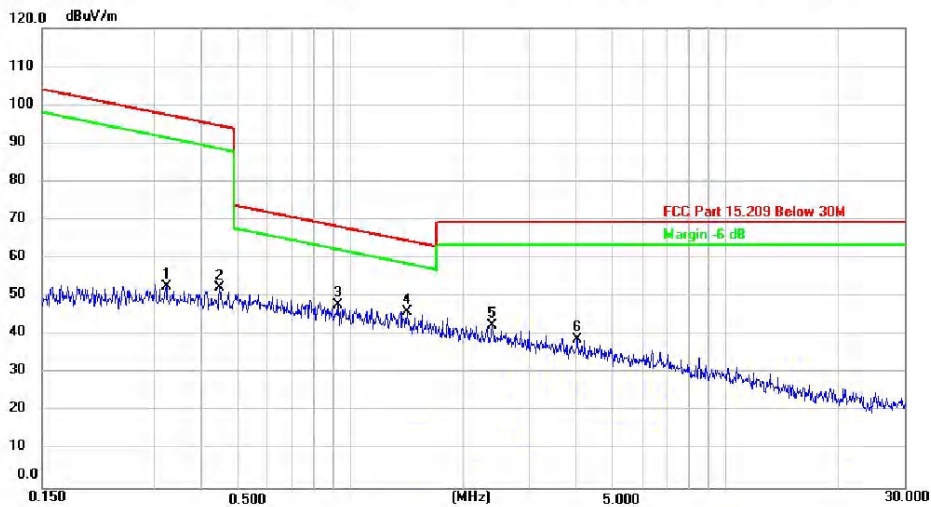
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part 15.209 Below 30M
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2402
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 25(C)
Humidity: 56 %

Radiated Emission Measurement

File :20250820 Data :#4 Date: 2025/08/20 Time: 11:45:14



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	0.3215	67.72	-15.14	52.58	97.46	-44.88	peak			P	
2	0.4465	67.59	-15.18	52.41	94.61	-42.20	peak			P	
3	0.9233	62.82	-15.10	47.72	68.30	-20.58	peak			P	
4 *	1.4106	61.17	-15.12	46.05	64.62	-18.57	peak			P	
5	2.3835	57.68	-15.18	42.50	69.54	-27.04	peak			P	
6	4.0274	53.90	-15.06	38.84	69.54	-30.70	peak			P	

*:Maximum data x:Over limit !:over margin

File :20250820\Data :#4

Page: 1

Engineer Signature: Jim



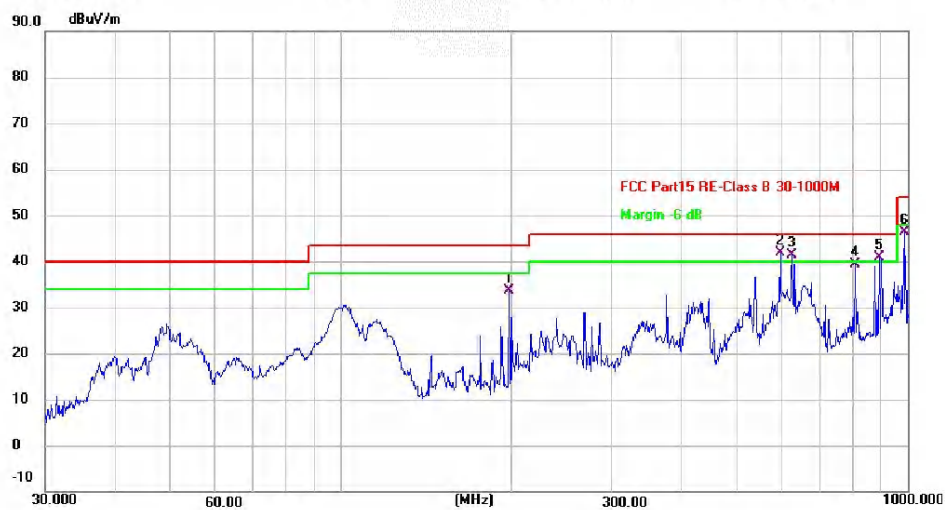
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 RE-Class B 30-1000M
EUT: SWAN Beauty Mirror
M/N: SM020-BK
Mode: BLE 1M 2402
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 25(C)
Humidity: 56 %

Radiated Emission Measurement

File :20250825-1 Data :#11 Date: 2025/08/28 Time: 18:13:34



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	197.8925	54.82	-21.09	33.73	43.50	-9.77	QP			P	
2 *	595.1326	51.06	-9.13	41.93	46.00	-4.07	QP			P	
3 !	625.0778	50.25	-8.93	41.32	46.00	-4.68	QP			P	
4	807.4288	44.79	-5.46	39.33	46.00	-6.67	QP			P	
5 !	890.7278	46.09	-5.11	40.98	46.00	-5.02	QP	200	0	P	
6	986.0717	49.40	-2.97	46.43	54.00	-7.57	QP	200	0	P	

*:Maximum data x:Over limit !:over margin

File :20250825-1\Data :#11

Page: 1

Engineer Signature: Cecilia



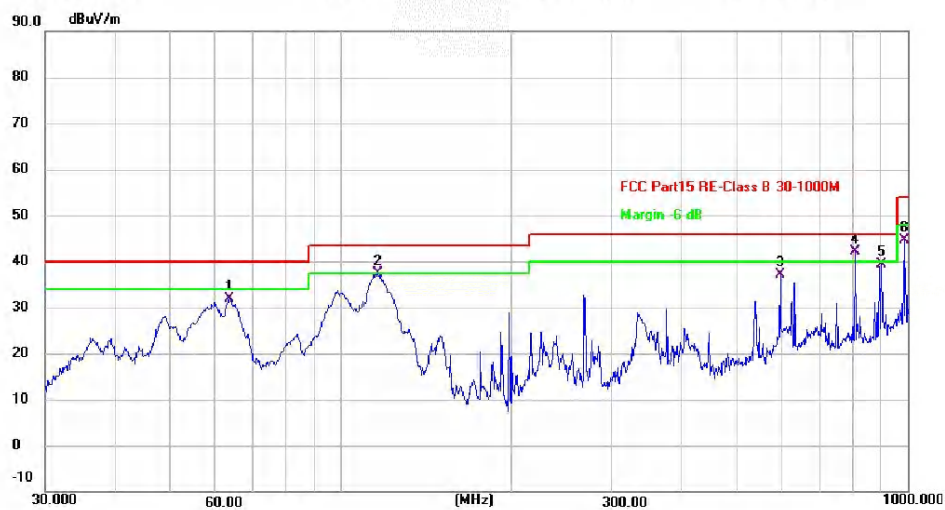
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 RE-Class B 30-1000M
EUT: SWAN Beauty Mirror
M/N: SM020-BK
Mode: BLE 1M 2402
Note:

Polarization: **Vertical**
Power: AC120V/60Hz
Temperature: 25(C)
Humidity: 56 %

Radiated Emission Measurement

File :20250825-1 Data :#12 Date: 2025/08/28 Time: 18:15:58



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	63.5356	51.48	-19.65	31.83	40.00	-8.17	QP			P	
2	116.1321	57.40	-20.12	37.28	43.50	-6.22	QP	100	0	P	
3	595.1326	46.32	-9.13	37.19	46.00	-8.81	QP			P	
4 *	807.4291	47.60	-5.46	42.14	46.00	-3.86	QP	100	0	P	
5	900.1474	44.50	-5.02	39.48	46.00	-6.52	QP	100	0	P	
6	986.0717	47.56	-2.97	44.59	54.00	-9.41	QP	100	0	P	

*:Maximum data x:Over limit !:over margin

File :20250825-1\Data :#12

Page: 1

Engineer Signature: Cecilia



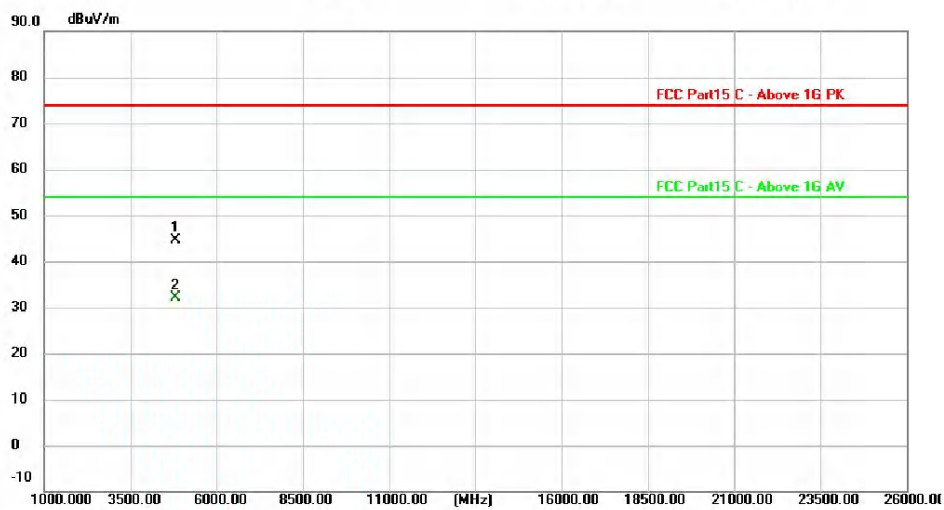
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2402
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250822 Data :#1 Date: 2025/08/22 Time: 17:33:26



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4803.877	42.88	1.84	44.72	74.00	-29.28	peak	150	360	P	
2 *	4803.985	30.26	1.84	32.10	54.00	-21.90	AVG	150	0	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#1

Page: 1

Engineer Signature: Jim

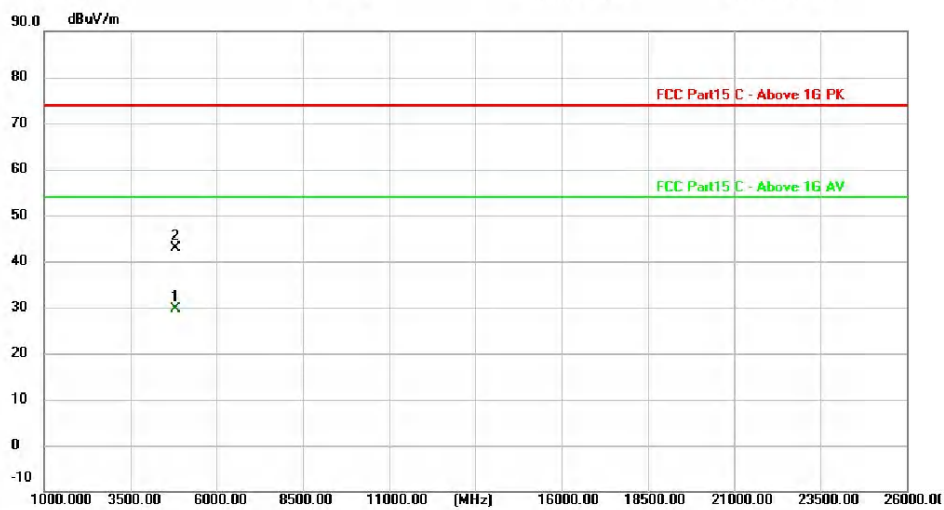


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Vertical** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2402
Note:

Radiated Emission Measurement

File :20250822 Data :#2 Date: 2025/08/22 Time: 17:34:24



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4803.987	27.76	1.84	29.60	54.00	-24.40	AVG	150	0	P	
2	4804.030	41.05	1.84	42.89	74.00	-31.11	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#2

Page: 1

Engineer Signature: Jim



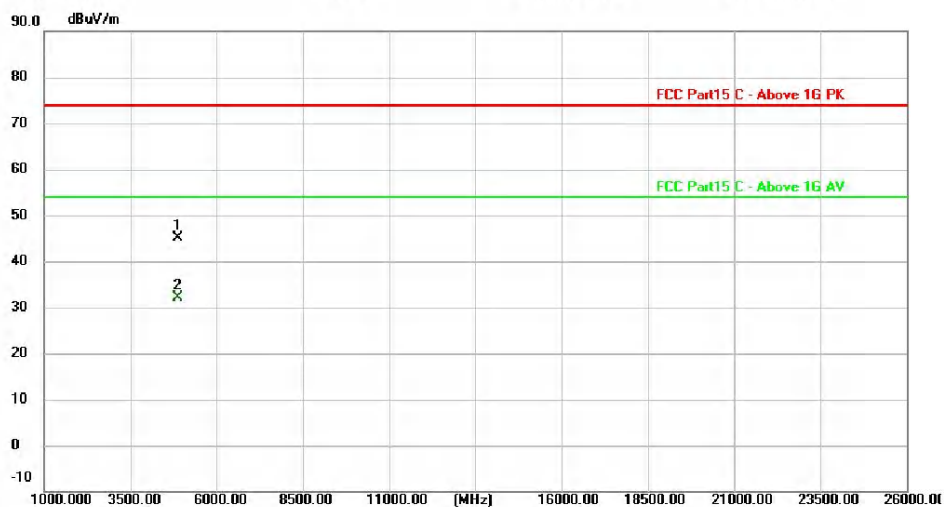
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2440
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250822 Data :#3 Date: 2025/08/22 Time: 17:35:52



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4879.820	43.11	1.96	45.07	74.00	-28.93	peak	150	360	P	
2 *	4880.130	30.19	1.96	32.15	54.00	-21.85	AVG	150	0	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#3

Page: 1

Engineer Signature: Jim

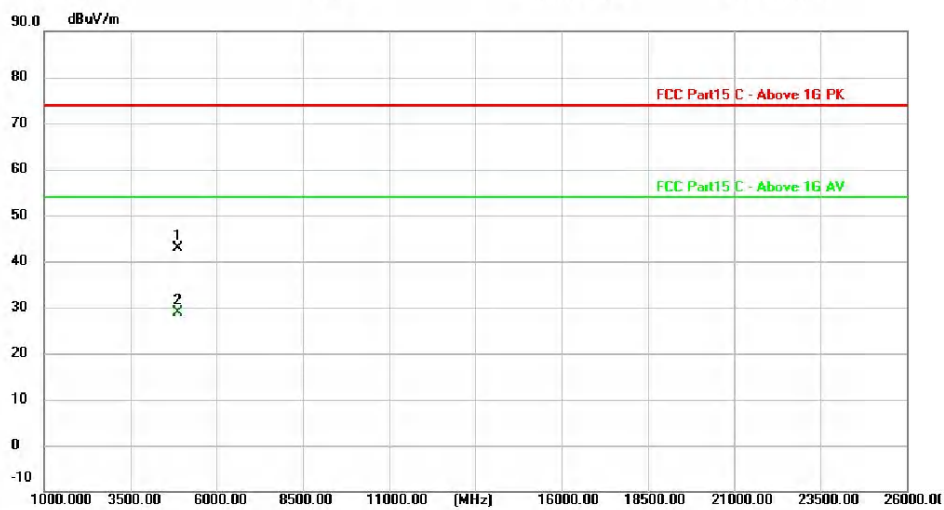


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Vertical** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2440
Note:

Radiated Emission Measurement

File :20250822 Data :#4 Date: 2025/08/22 Time: 17:36:21



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4879.721	41.01	1.96	42.97	74.00	-31.03	peak	150	360	P	
2 *	4879.837	26.85	1.96	28.81	54.00	-25.19	AVG	150	0	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#4

Page: 1

Engineer Signature: Jim

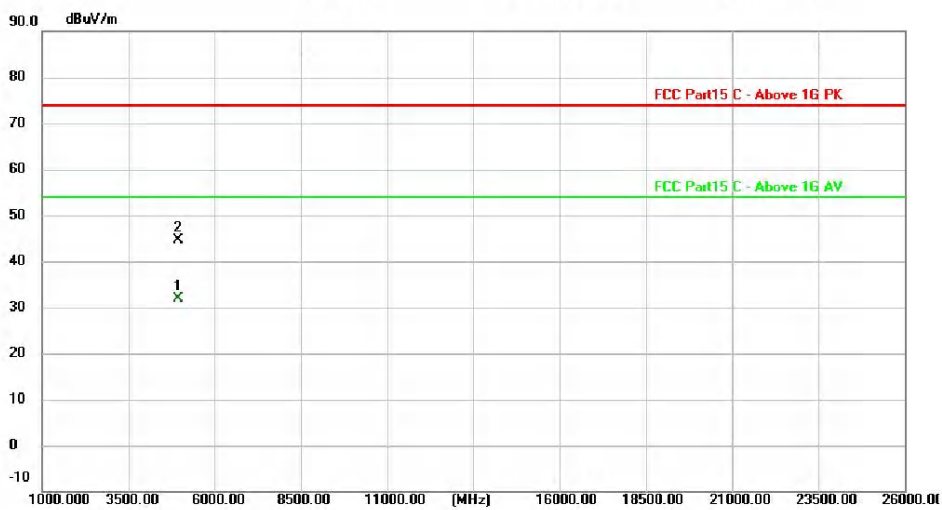


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Horizontal** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2480
Note:

Radiated Emission Measurement

File :20250822 Data :#5 Date: 2025/08/22 Time: 17:37:46



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4959.853	29.92	2.08	32.00	54.00	-22.00	AVG	150	0	P	
2	4960.022	42.49	2.08	44.57	74.00	-29.43	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#5

Page: 1

Engineer Signature: Jim

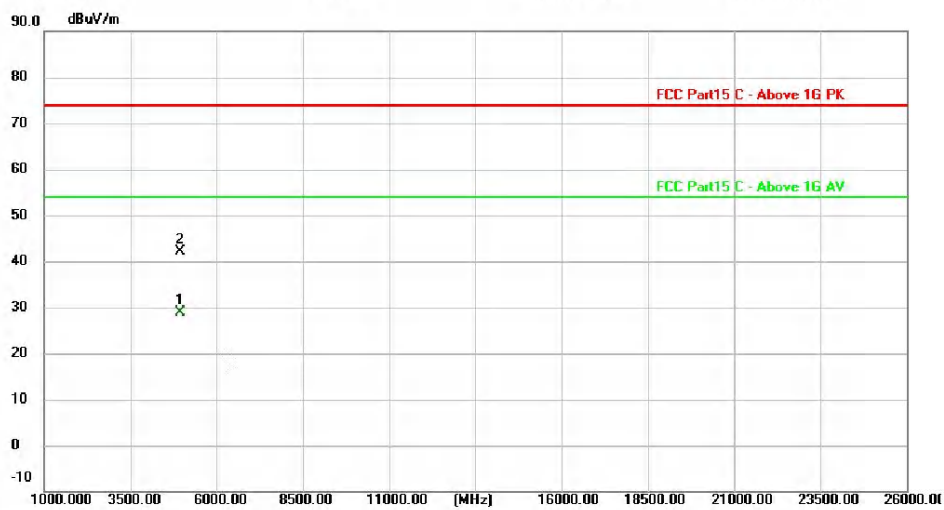


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Vertical** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2480
Note:

Radiated Emission Measurement

File :20250822 Data :#6 Date: 2025/08/22 Time: 17:38:32



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4959.959	26.90	2.08	28.98	54.00	-25.02	AVG	150	0	P	
2	4960.024	40.11	2.08	42.19	74.00	-31.81	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#6

Page: 1

Engineer Signature: Jim



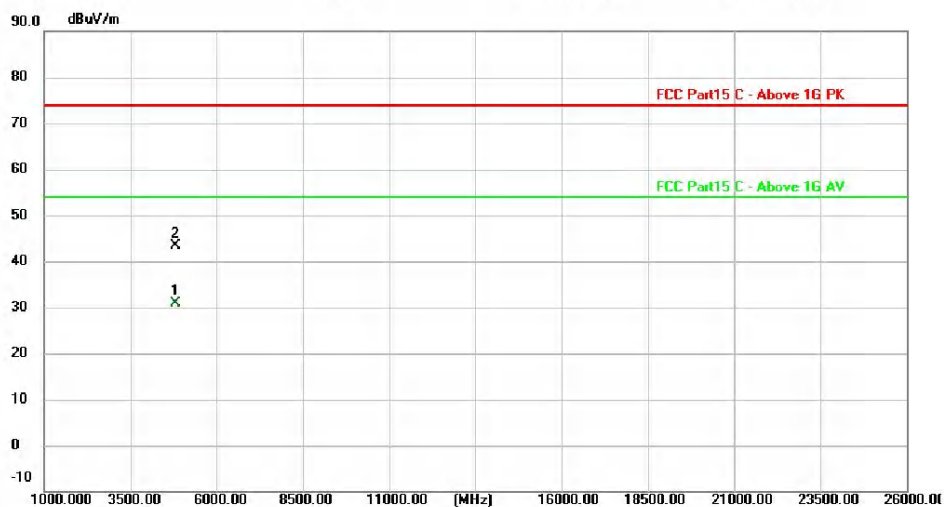
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2402
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250822 Data :#7 Date: 2025/08/22 Time: 17:39:54



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4804.068	29.01	1.84	30.85	54.00	-23.15	AVG	150	0	P	
2	4804.085	41.50	1.84	43.34	74.00	-30.66	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#7

Page: 1

Engineer Signature: Jim



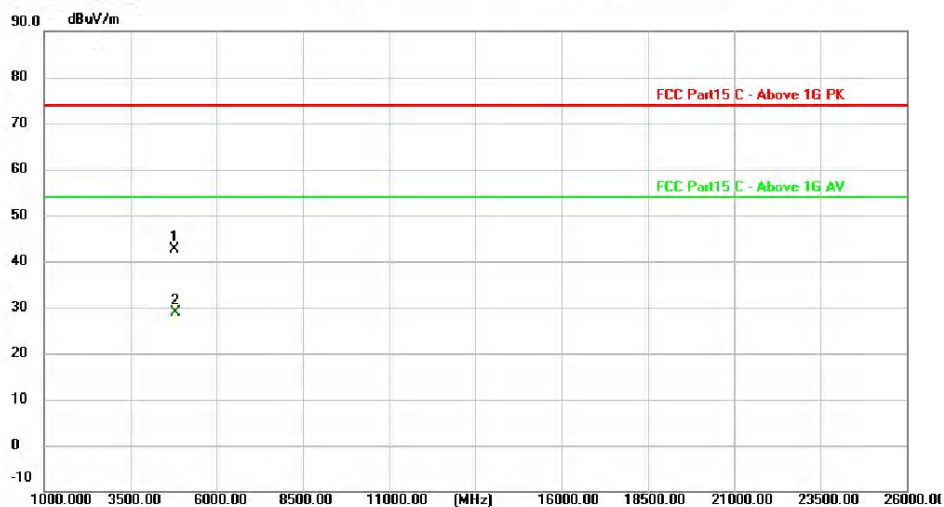
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2402
Note:

Polarization: **Vertical**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250822 Data :#8 Date: 2025/08/22 Time: 17:40:27



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4803.789	40.75	1.84	42.59	74.00	-31.41	peak	150	360	P	
2 *	4803.855	26.92	1.84	28.76	54.00	-25.24	AVG	150	0	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#8

Page: 1

Engineer Signature: Jim

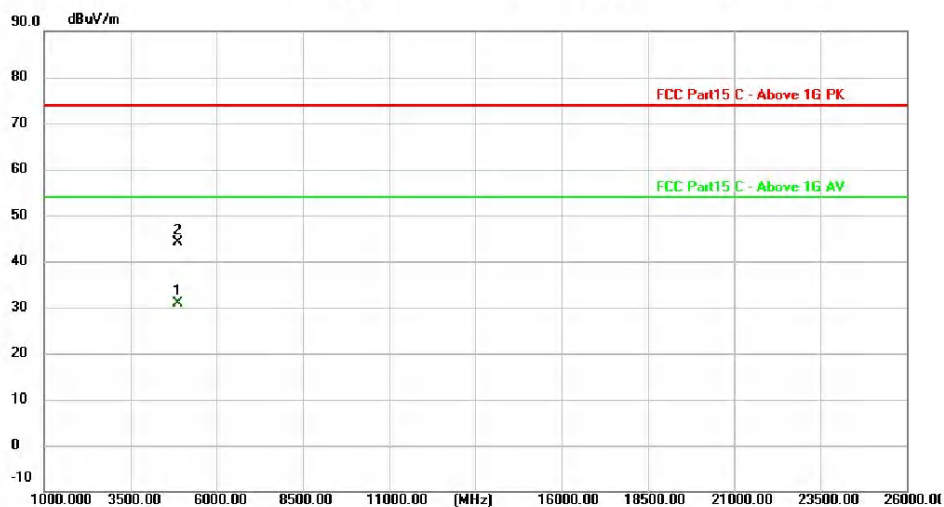


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Horizontal** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2440
Note:

Radiated Emission Measurement

File :20250822 Data :#9 Date: 2025/08/22 Time: 17:41:29



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4880.017	28.82	1.96	30.78	54.00	-23.22	AVG	150	0	P	
2	4880.123	42.26	1.96	44.22	74.00	-29.78	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#9

Page: 1

Engineer Signature: Jim



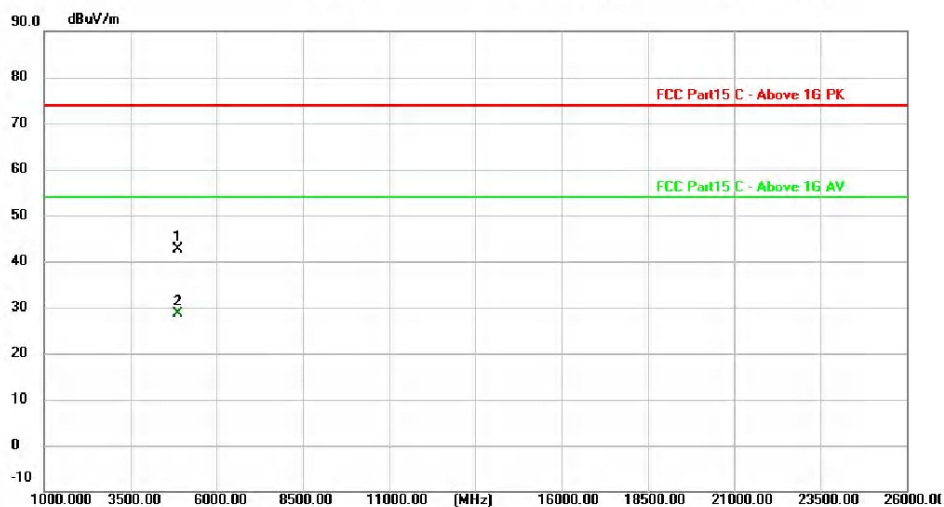
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2440
Note:

Polarization: **Vertical**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250822 Data :#10 Date: 2025/08/22 Time: 17:42:41



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	4879.853	40.70	1.96	42.66	74.00	-31.34	peak	150	360	P	
2 *	4879.876	26.77	1.96	28.73	54.00	-25.27	AVG	150	0	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#10

Page: 1

Engineer Signature: Jim



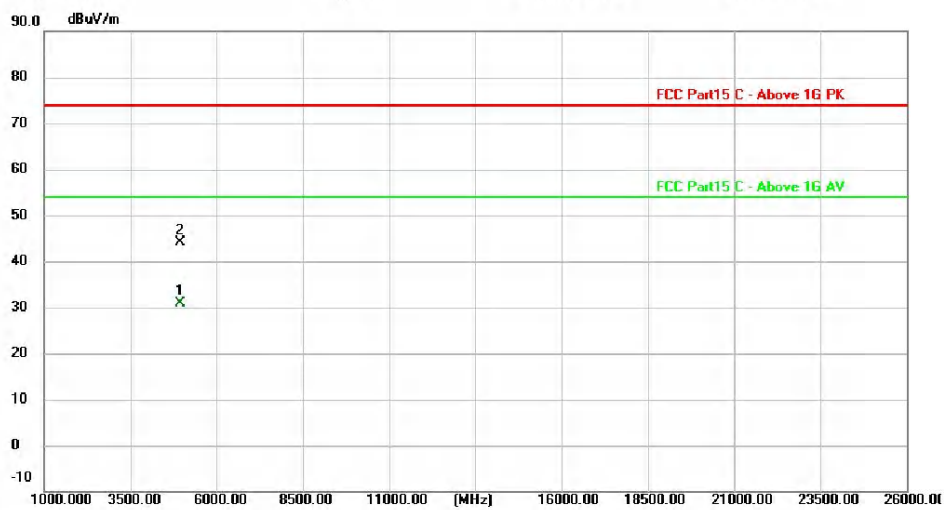
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2480
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250822 Data :#11 Date: 2025/08/22 Time: 17:43:41



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4959.902	28.70	2.08	30.78	54.00	-23.22	AVG	150	0	P	
2	4960.169	42.14	2.08	44.22	74.00	-29.78	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#11

Page: 1

Engineer Signature: Jim

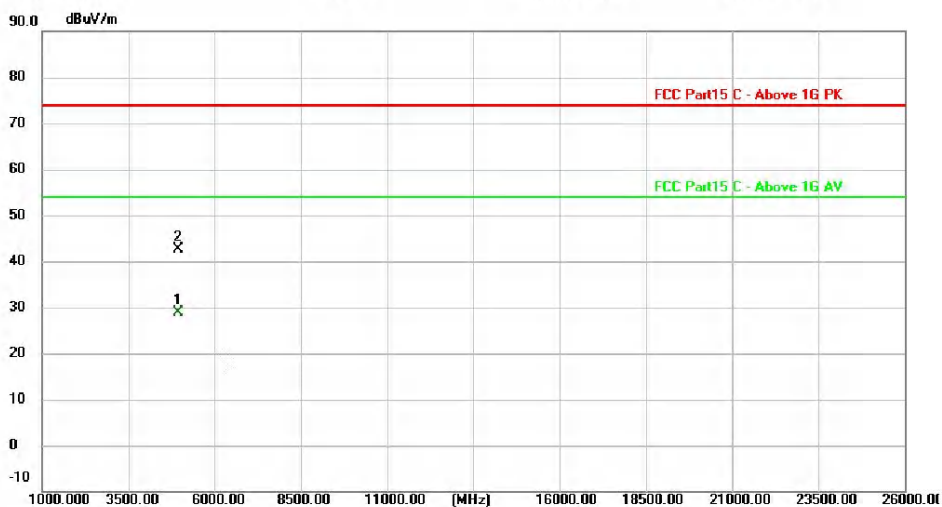


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Vertical** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2480
Note:

Radiated Emission Measurement

File :20250822 Data :#12 Date: 2025/08/22 Time: 17:44:20



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1 *	4959.818	26.76	2.08	28.84	54.00	-25.16	AVG	150	0	P	
2	4960.320	40.66	2.08	42.74	74.00	-31.26	peak	150	360	P	

*:Maximum data x:Over limit !:over margin

File :20250822\Data :#12

Page: 1

Engineer Signature: Jim

Appendix A.7: Test Results of Radiated Emissions in Restricted Bands

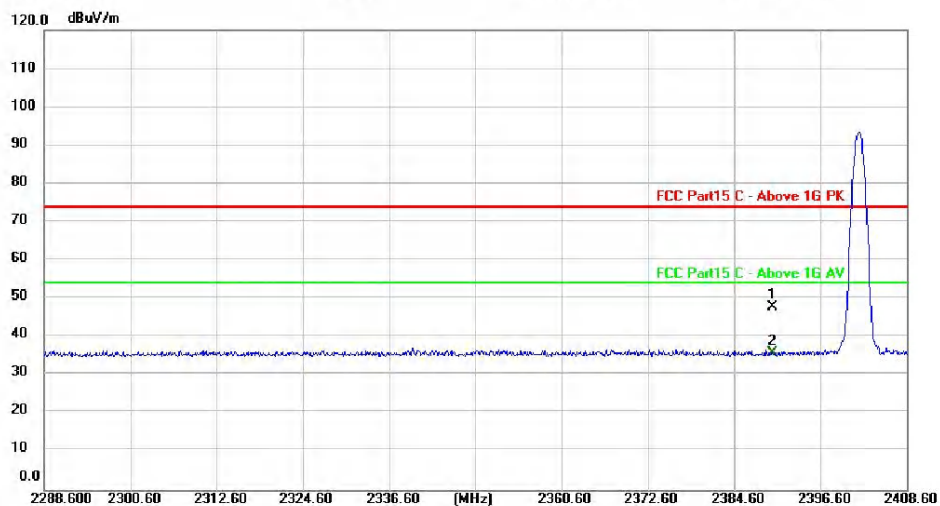


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#	Polarization: Vertical	Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK	Power: AC120V/60Hz	Humidity: 54 %
EUT: SWAN Beauty Mirror		
M/N: SM02O-BK		
Mode: BLE 1M 2402		
Note:		

Radiated Emission Measurement

File :20250727 Data :#1 Date: 2025/07/27 Time: 15:48:18



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.000	16.45	31.31	47.76	74.00	-26.24	peak	200	295	P	
2 *	2390.000	4.41	31.31	35.72	54.00	-18.28	AVG			P	

*:Maximum data x:Over limit !:over margin



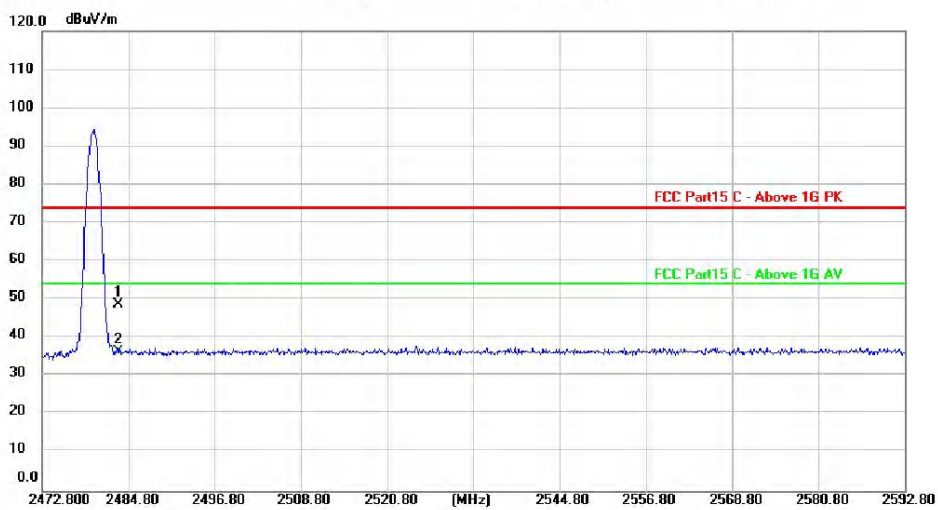
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2480
Note:

Polarization: **Vertical**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250727 Data :#2 Date: 2025/07/27 Time: 15:50:33



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	17.34	31.50	48.84	74.00	-25.16	peak	200	295	P	
2 *	2483.500	4.95	31.50	36.45	54.00	-17.55	AVG	200	295	P	

*:Maximum data x:Over limit !:over margin

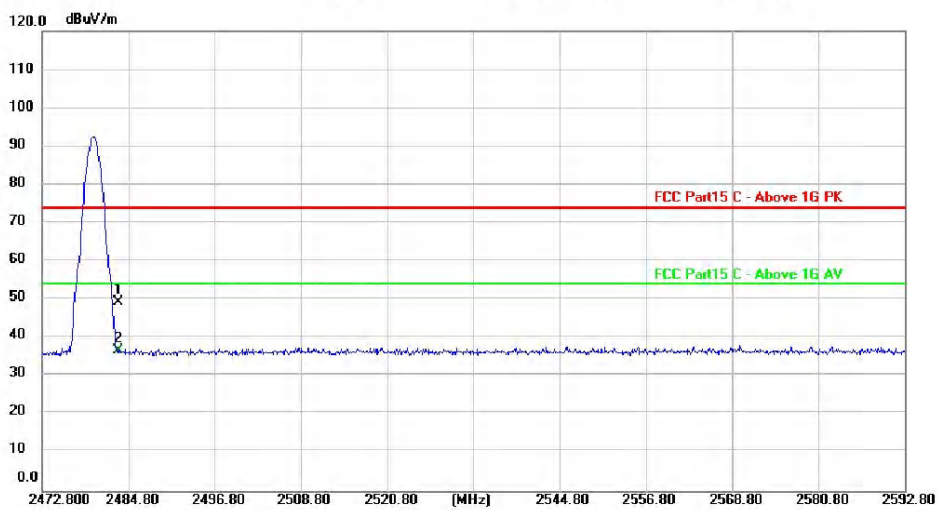


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Vertical** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2480
Note:

Radiated Emission Measurement

File :20250727 Data :#3 Date: 2025/07/27 Time: 15:51:56



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	18.00	31.50	49.50	74.00	-24.50	peak	200	295	P	
2 *	2483.500	5.29	31.50	36.79	54.00	-17.21	AVG	200	295	P	

*:Maximum data x:Over limit !:over margin

File :20250727>Data :#3

Page: 1

Engineer Signature: Jim

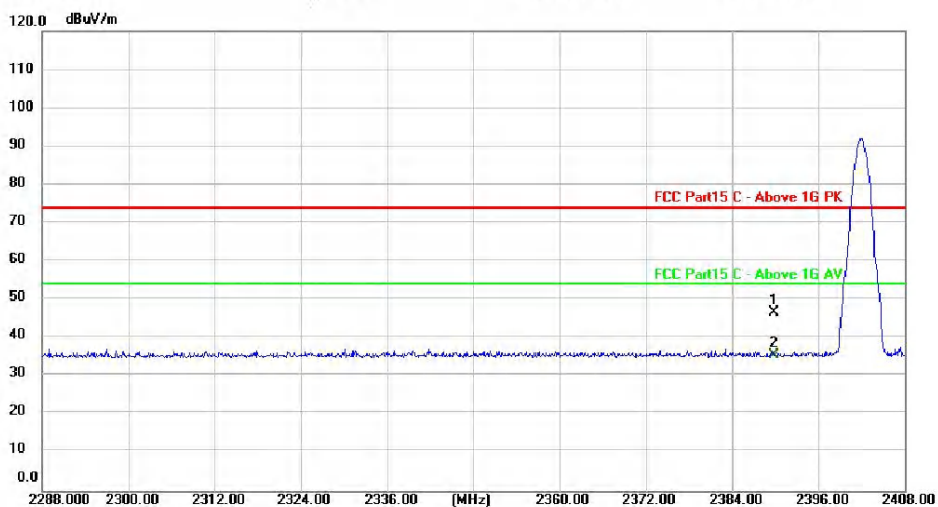


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Vertical** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2402
Note:

Radiated Emission Measurement

File :20250727 Data :#4 Date: 2025/07/27 Time: 15:53:09



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.000	15.23	31.31	46.54	74.00	-27.46	peak	200	295	P	
2 *	2390.000	4.35	31.31	35.66	54.00	-18.34	AVG	200	295	P	

*:Maximum data x:Over limit !:over margin

File :20250727>Data :#4

Page: 1

Engineer Signature: Jim



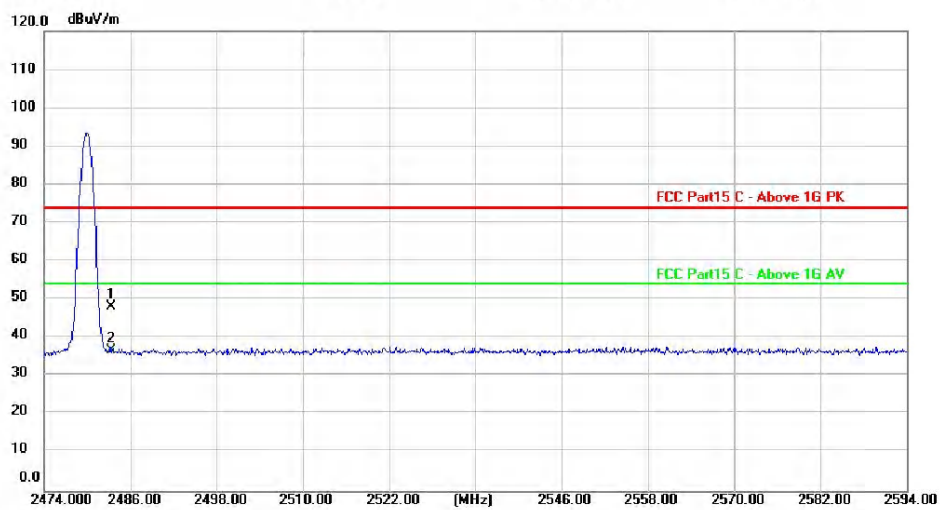
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2480
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250727 Data :#14 Date: 2025/07/27 Time: 16:39:26



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	16.68	31.50	48.18	74.00	-25.82	peak	250	245	P	
2 *	2483.500	5.31	31.50	36.81	54.00	-17.19	AVG	250	245	P	

*:Maximum data x:Over limit !:over margin

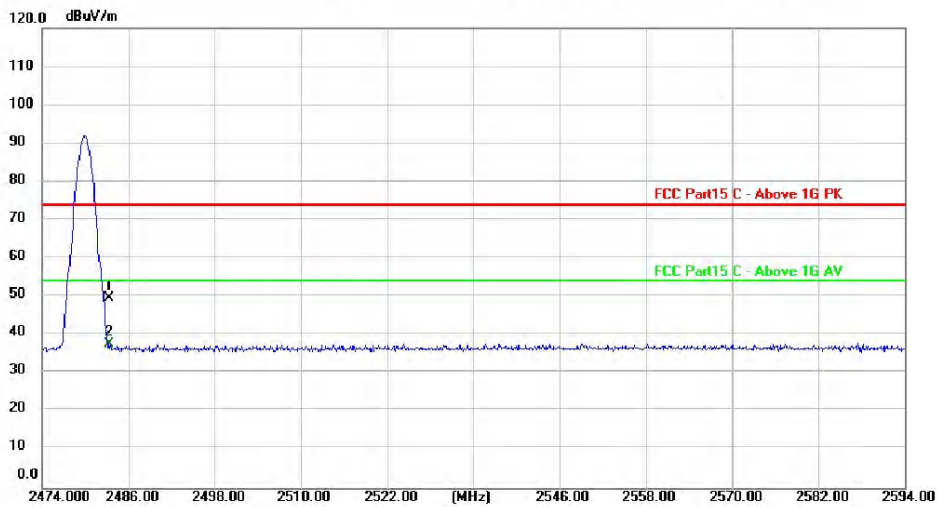


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Horizontal** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2480
Note:

Radiated Emission Measurement

File :20250727 Data :#15 Date: 2025/07/27 Time: 16:41:08



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2483.500	18.06	31.50	49.56	74.00	-24.44	peak	250	245	P	
2 *	2483.500	6.09	31.50	37.59	54.00	-16.41	AVG			P	

*:Maximum data x:Over limit !:over margin

File :20250727>Data :#15

Page: 1

Engineer Signature: Jim



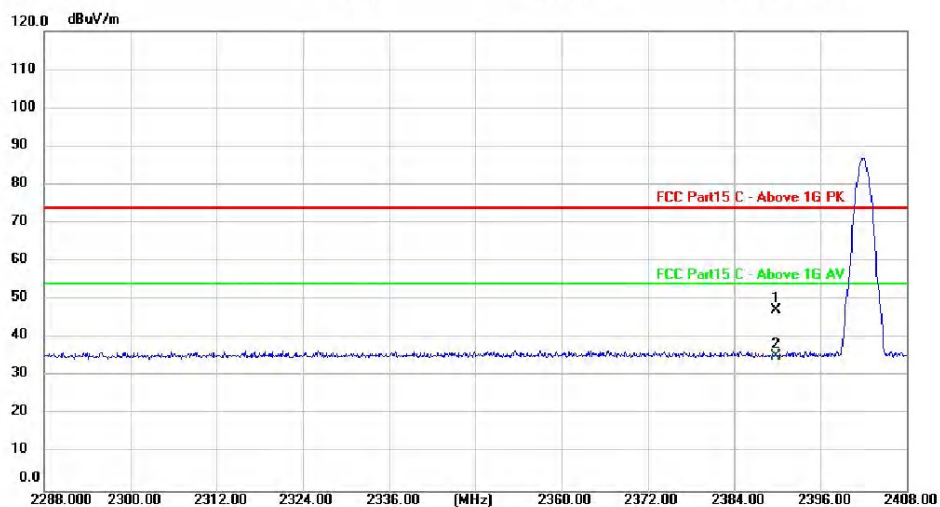
CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3#
Limit: FCC Part15 C - Above 1G PK
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 2M 2402
Note:

Polarization: **Horizontal**
Power: AC120V/60Hz
Temperature: 26(C)
Humidity: 54 %

Radiated Emission Measurement

File :20250727 Data :#16 Date: 2025/07/27 Time: 16:51:27



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.000	15.95	31.31	47.26	74.00	-26.74	peak	249	70	P	
2 *	2390.000	3.95	31.31	35.26	54.00	-18.74	AVG			P	

*:Maximum data x:Over limit !:over margin

File :20250727>Data :#16

Page: 1

Engineer Signature: Jim

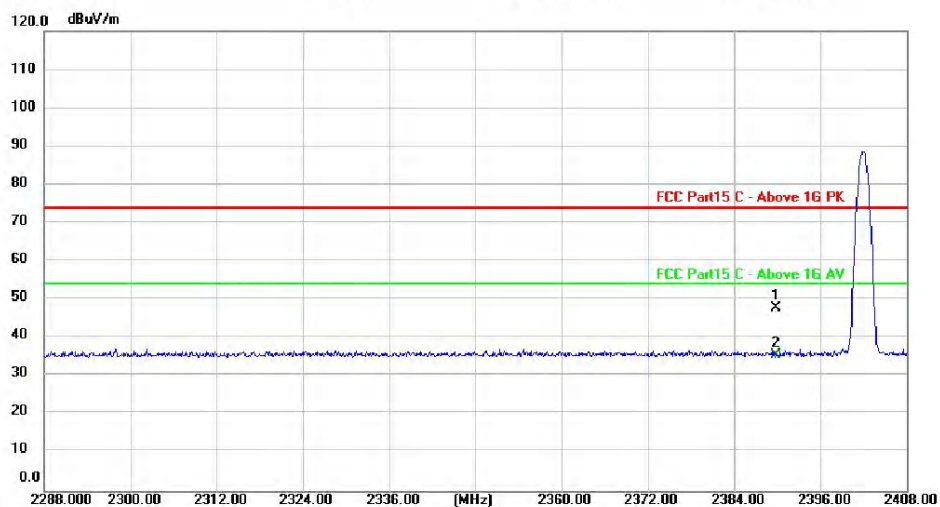


CTC Laboratories Inc.
Room 101 Building B, No. 7, Lanqing 1st Road, Luh Community, Guanhu Subdistric
t, Longhua District, Shenzhen, Guangdong, China

Site Radiation 3# Polarization: **Horizontal** Temperature: 26(C)
Limit: FCC Part15 C - Above 1G PK Power: AC120V/60Hz Humidity: 54 %
EUT: SWAN Beauty Mirror
M/N: SM02O-BK
Mode: BLE 1M 2402
Note:

Radiated Emission Measurement

File :20250727 Data :#17 Date: 2025/07/27 Time: 16:52:46



No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Detector	Height (cm)	Azimuth (deg.)	P/F	Remark
1	2390.000	16.62	31.31	47.93	74.00	-26.07	peak	249	70	P	
2 *	2390.000	4.22	31.31	35.53	54.00	-18.47	AVG	249	70	P	

*:Maximum data x:Over limit !:over margin

File :20250727>Data :#17

Page: 1

Engineer Signature: Jim

Appendix A.8: Test Results of Conducted Emission on AC Mains

;CTC Laboratories,Inc.

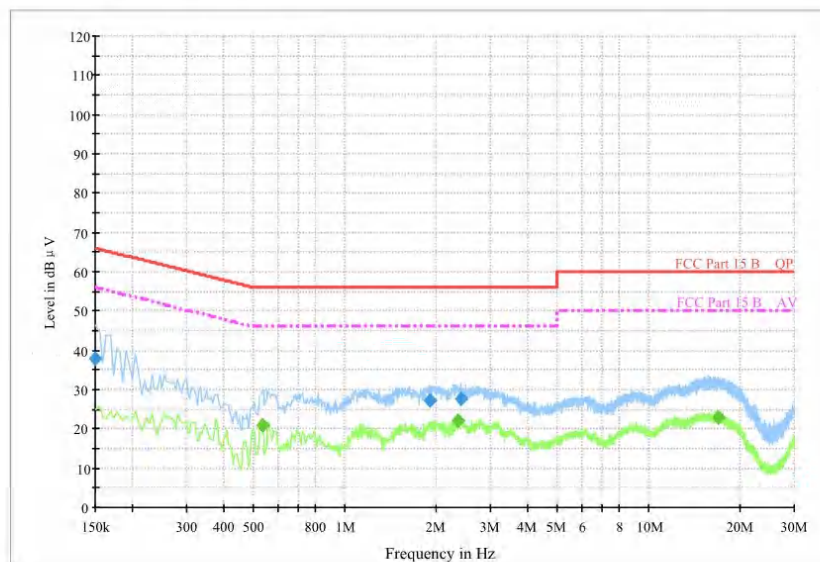
1

CTC Report

Common Information

EUT: SWAN Beauty Mirror
Model: SM02O-BK
Manufacturer: SWAN
Operating Condition: BLE 1M 2402
Test Site: CTC Shielded Room
Operator: Tshy
Conditions: 24Temp. 56%RH 101Kpa AC 120V/60Hz
Line: L
Remarks: CTC250722-011

Voltage with ESCI3



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μV)	Comment
0.150000	37.9	1000.00	9.000	On	L1	9.4	28.1	66.0	
1.891500	27.4	1000.00	9.000	On	L1	9.7	28.6	56.0	
2.395500	27.8	1000.00	9.000	On	L1	9.6	28.2	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dB μV)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μV)	Comment
0.532500	20.8	1000.00	9.000	On	L1	9.4	25.2	46.0	
2.337000	22.2	1000.00	9.000	On	L1	9.6	23.8	46.0	
16.845000	23.0	1000.00	9.000	On	L1	9.8	27.0	50.0	

;CTC Laboratories,Inc.

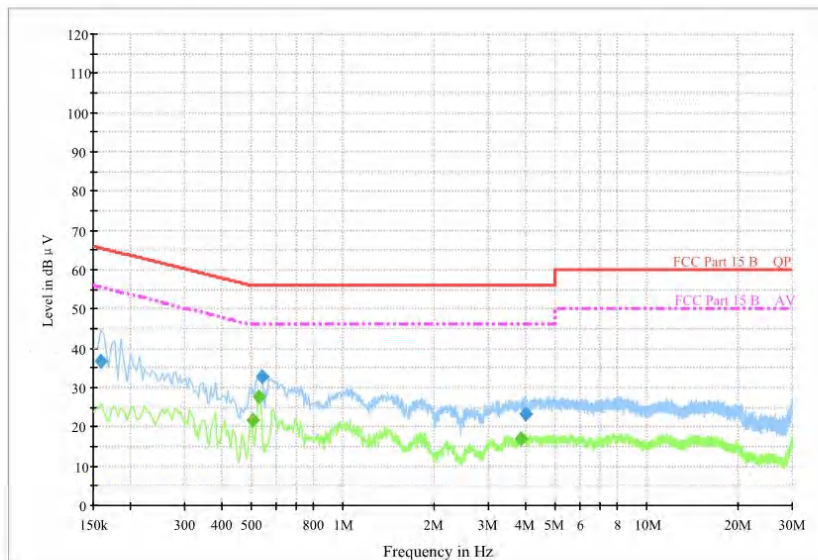
1

CTC Report

Common Information

EUT: SWAN Beauty Mirror
Model: SM02O-BK
Manufacturer: SWAN
Operating Condition: BLE 1M 2402
Test Site: CTC Shielded Room
Operator: Tshy
Conditions: 24Temp. 56%RH 101Kpa AC 120V/60Hz
Line: N
Remarks: CTC250722-011

Voltage with ESCI3



Final Measurement Detector 1

Frequency (MHz)	QuasiPeak (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.159000	36.6	1000.00	9.000	On	N	9.4	28.9	65.5	
0.537000	32.6	1000.00	9.000	On	N	9.5	23.4	56.0	
3.961500	23.3	1000.00	9.000	On	N	9.5	32.7	56.0	

Final Measurement Detector 2

Frequency (MHz)	Average (dB μ V)	Meas. Time (ms)	Bandwidth (kHz)	Filter	Line	Corr. (dB)	Margin (dB)	Limit (dB μ V)	Comment
0.501000	21.6	1000.00	9.000	On	N	9.6	24.4	46.0	
0.528000	27.6	1000.00	9.000	On	N	9.6	18.4	46.0	
3.822000	16.9	1000.00	9.000	On	N	9.5	29.1	46.0	

2025-8-4

18:12:03