

TABLE OF CONTENTS

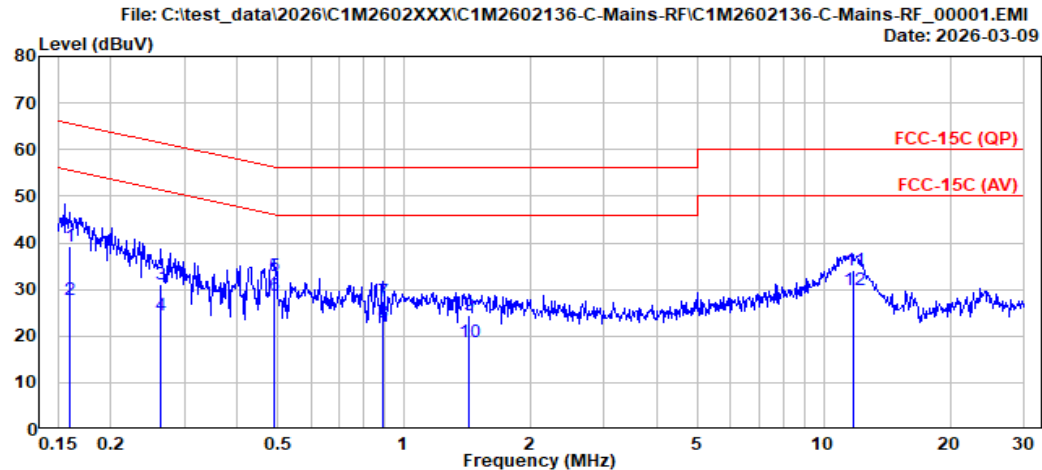
A.1 CONDUCTED EMISSION.....	2
A.2 RADIATED EMISSION	4
A.2.1 Emissions within Restricted Frequency Bands.....	4
A.2.2 Emissions outside the frequency band:.....	16
A.2.3 Emissions in Non-restricted Frequency Bands:.....	21
A.3 DTS/OCCUPIED BANDWIDTH.....	22
A.3.1 DTS/Occupied Bandwidth Result.....	22
A.3.2 Measurement Plots	23
A.4 MAXIMUM PEAK OUTPUT POWER	25
A.4.1 Maximum Peak Output Power.....	25
A.4.2 Average Output Power (Reporting only).....	25
A.5 EMISSION LIMITATIONS	26
A.6 POWER SPECTRAL DENSITY	30
A.6.1 Power Spectral Density Result	30
A.6.2 Measurement Plots	31

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A.1 CONDUCTED EMISSION

Test Date	2026/03/09	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng



Site No.	: No.8 Shielded Room	Data No.	: 1
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC-15C (QP)	Phase	: Line
Environment	: 24°C/50%	Test Rating	: 120Vac/60Hz
EUT Model	: YY7870E	Engineer	: Bruce
Test Mode	: Normal		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.160	10.34	0.03	9.85	19.02	39.24	65.46	26.22	QP
2	0.160	10.34	0.03	9.85	7.49	27.71	55.46	27.75	Average
3	0.263	10.33	0.03	9.85	11.03	31.24	61.32	30.08	QP
4	0.263	10.33	0.03	9.85	4.38	24.59	51.32	26.73	Average
5	0.491	10.32	0.03	9.85	12.57	32.77	56.15	23.38	QP
6	0.491	10.32	0.03	9.85	8.42	28.62	46.15	17.53	Average
7	0.893	10.33	0.04	9.85	7.28	27.50	56.00	28.50	QP
8	0.893	10.33	0.04	9.85	2.87	23.09	46.00	22.91	Average
9	1.427	10.34	0.05	9.86	4.19	24.44	56.00	31.56	QP
10	1.427	10.34	0.05	9.86	-1.58	18.67	46.00	27.33	Average
11	11.812	10.56	0.15	9.90	13.61	34.22	60.00	25.78	QP
12	11.812	10.56	0.15	9.90	9.31	29.92	50.00	20.08	Average

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

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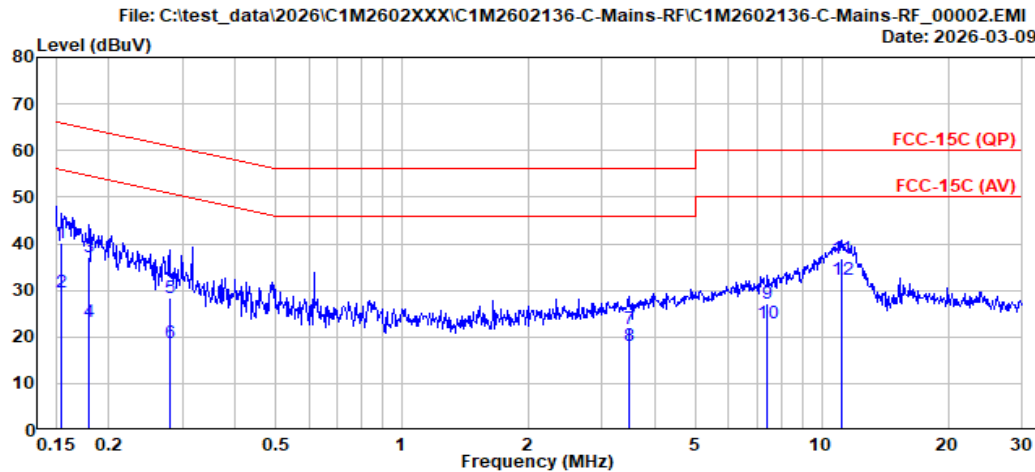
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Test Date	2026/03/09	Temp./Hum.	24°C/50%
Test Voltage	AC 120V, 60Hz	Tested By	Bruce Tseng



Site No.	: No.8 Shielded Room	Data No.	: 2
Instrument 1	: Receiver ESR(774)		
Instrument 2	: ENV432 (567)(A) CE-08 ESH3-Z2 (354)		
Limit	: FCC-15C (QP)	Phase	: Neutral
Environment	: 24°C/50%	Test Rating	: 120Vac/60Hz
EUT Model	: YY7870E	Engineer	: Bruce
Test Mode	: Normal		

	Freq. (MHz)	AMN Factor (dB)	Cable Loss (dB)	Pulse Att. (dB)	Reading (dBμV)	Emission Level (dBμV)	Limits (dBμV)	Margin (dB)	Remark
1	0.155	10.32	0.03	9.85	19.98	40.18	65.75	25.57	QP
2	0.155	10.32	0.03	9.85	9.30	29.50	55.75	26.25	Average
3	0.179	10.31	0.03	9.85	17.09	37.28	64.51	27.23	QP
4	0.179	10.31	0.03	9.85	3.18	23.37	54.51	31.14	Average
5	0.280	10.31	0.03	9.85	8.12	28.31	60.83	32.52	QP
6	0.280	10.31	0.03	9.85	-1.47	18.72	50.83	32.11	Average
7	3.466	10.37	0.08	9.86	1.29	21.60	56.00	34.40	QP
8	3.466	10.37	0.08	9.86	-2.14	18.17	46.00	27.83	Average
9	7.430	10.54	0.11	9.87	6.79	27.31	60.00	32.69	QP
10	7.430	10.54	0.11	9.87	2.50	23.02	50.00	26.98	Average
11	11.126	10.67	0.15	9.90	16.17	36.89	60.00	23.11	QP
12	11.126	10.67	0.15	9.90	11.63	32.35	50.00	17.65	Average

Remarks: 1. Emission Level(dBμV)= AMN Factor(dB) + Cable Loss(dB) + Pulse Att.(dB) + Reading(dBμV).

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A.2 RADIATED EMISSION

Test Date	2026/03/06	Temp./Hum.	20°C/60%
Test Voltage	AC 120V, 60Hz	Tested By	Sean Wang

A.2.1 Emissions within Restricted Frequency Bands

A.2.1.1 Frequency 9kHz~30MHz

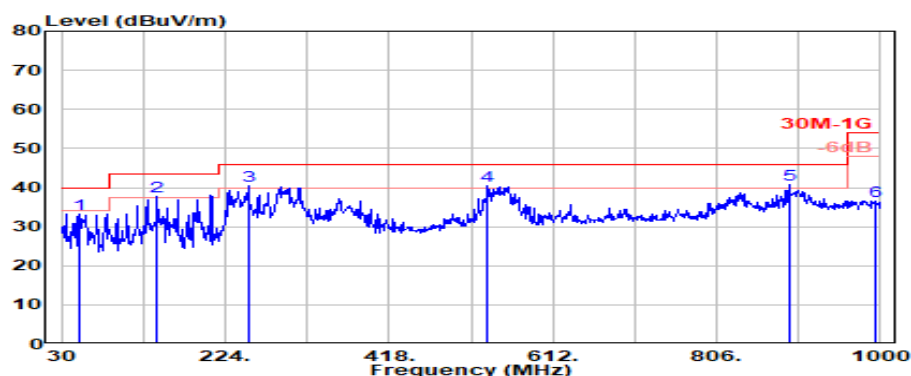
The emissions (9kHz~30MHz) not reported for there is no emission be found.

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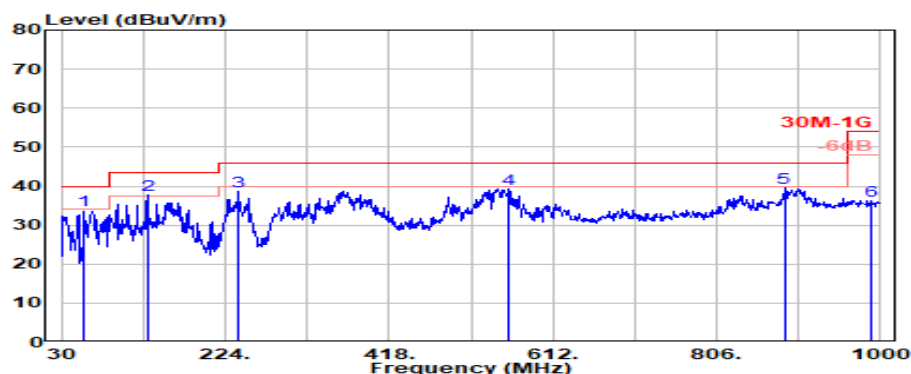
A.2.1.2 Frequency Below 1GHz.

Mode	Normal	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
51.000	14.78	1.81	26.44	43.15	33.29	40.00	6.71	Peak
144.000	17.48	3.12	26.02	43.30	37.88	43.50	5.62	Peak
251.000	18.79	4.19	25.68	43.28	40.58	46.00	5.42	Peak
535.000	24.04	7.01	27.19	36.50	40.36	46.00	5.64	Peak
892.000	26.57	8.77	27.02	32.43	40.75	46.00	5.25	Peak
993.000	27.37	9.34	26.72	26.68	36.68	54.00	17.32	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
57.000	13.42	1.95	26.42	44.87	33.83	40.00	6.17	Peak
132.000	18.12	3.00	26.08	42.58	37.62	43.50	5.88	Peak
240.000	18.21	4.09	25.70	41.95	38.54	46.00	7.46	Peak
560.000	24.31	7.06	27.27	35.17	39.27	46.00	6.73	Peak
886.000	26.48	8.73	27.03	31.37	39.55	46.00	6.45	Peak

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Mode	BLE (1Mbps)	Frequency	TX 2480MHz
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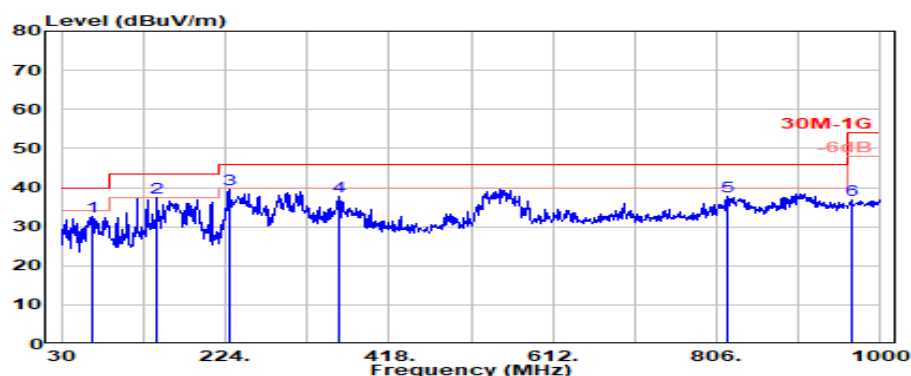
Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
49.000	15.39	1.76	26.45	43.60	34.30	40.00	5.70	Peak
144.000	17.48	3.12	26.02	42.76	37.34	43.50	6.16	Peak
285.000	19.36	4.54	25.62	42.13	40.40	46.00	5.60	Peak
547.000	24.17	7.03	27.23	37.24	41.21	46.00	4.79	Peak
836.000	25.81	8.40	27.13	31.34	38.42	46.00	7.58	Peak
991.000	27.35	9.33	26.73	27.19	37.15	54.00	16.85	Peak

Antenna at Vertical Polarization

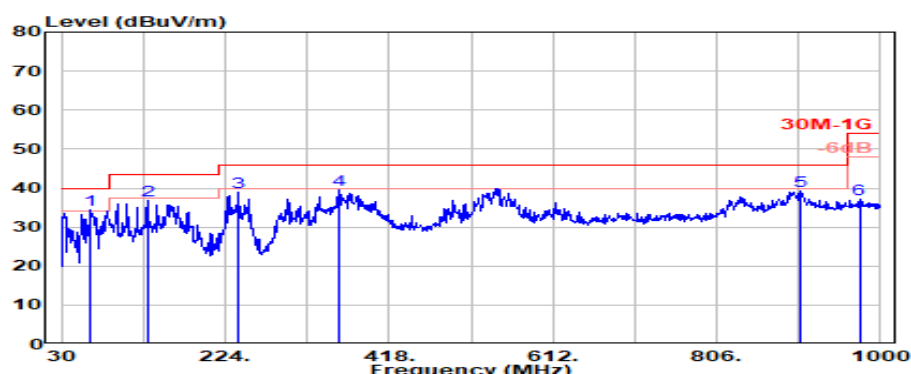
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58.000	13.20	1.98	26.41	45.57	34.34	40.00	5.66	Peak
180.000	15.76	3.52	25.86	43.18	36.60	43.50	6.90	Peak
359.000	21.17	5.54	26.11	37.61	38.21	46.00	7.79	Peak
535.000	24.04	7.01	27.19	36.44	40.30	46.00	5.70	Peak
896.000	26.61	8.79	27.01	32.00	40.40	46.00	5.60	Peak
977.000	27.25	9.26	26.77	27.67	37.41	54.00	16.59	Peak

Mode	BLE (2Mbps)	Frequency	TX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
67.000	12.79	2.13	26.37	44.19	32.74	40.00	7.26	Peak
144.000	17.48	3.12	26.02	42.97	37.56	43.50	5.94	Peak
228.000	17.53	3.97	25.73	43.77	39.54	46.00	6.46	Peak
359.000	21.17	5.54	26.11	37.01	37.61	46.00	8.39	Peak
818.000	25.53	8.28	27.16	31.01	37.66	46.00	8.34	Peak
965.000	27.16	9.19	26.80	27.41	36.96	54.00	17.04	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
64.000	12.78	2.09	26.39	45.83	34.31	40.00	5.69	Peak
132.000	18.12	3.00	26.08	41.91	36.95	43.50	6.55	Peak
240.000	18.21	4.09	25.70	42.34	38.93	46.00	7.07	Peak
359.000	21.17	5.54	26.11	38.95	39.55	46.00	6.45	Peak
905.000	26.72	8.85	26.98	30.63	39.22	46.00	6.78	Peak
975.000	27.24	9.25	26.77	27.31	37.03	54.00	16.97	Peak

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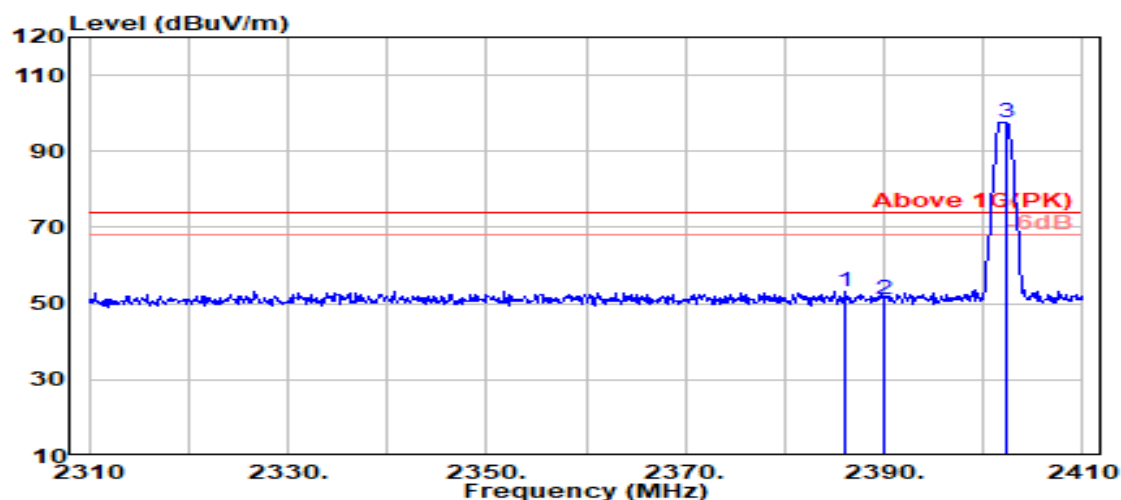
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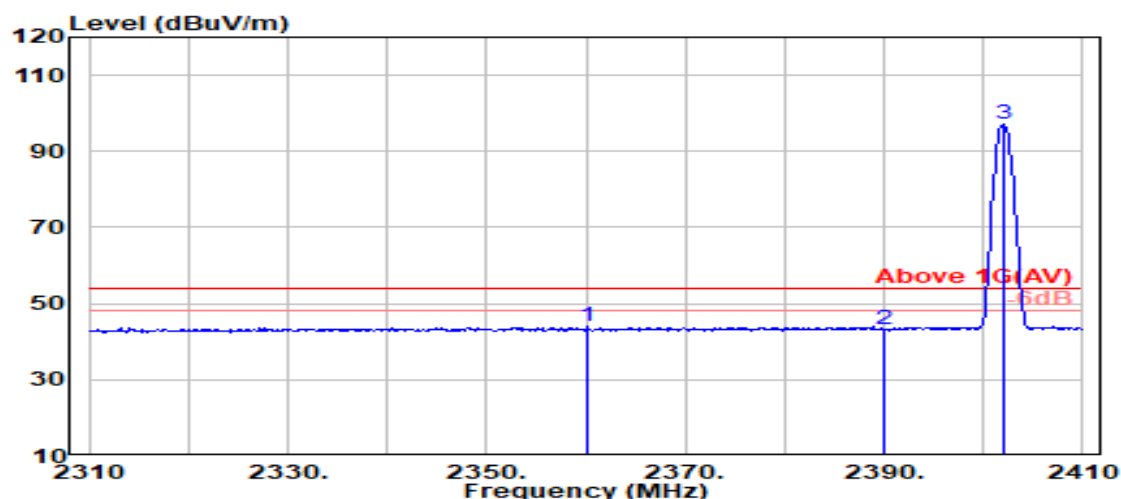
A.2.1.3 Frequency Above 1 GHz to 10th harmonics

Mode	BLE (1Mbps)	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2386.186	28.20	6.03	39.93	59.02	53.32	74.00	20.68	Peak
2390.000	28.20	6.03	39.93	56.91	51.21	74.00	22.79	Peak
@ 2402.268	28.20	6.05	39.93	103.29	97.62	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2360.103	28.20	5.99	39.93	49.59	43.85	54.00	10.15	Average
2390.000	28.20	6.03	39.93	48.96	43.26	54.00	10.74	Average
@ 2402.062	28.20	6.05	39.93	102.65	96.98	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

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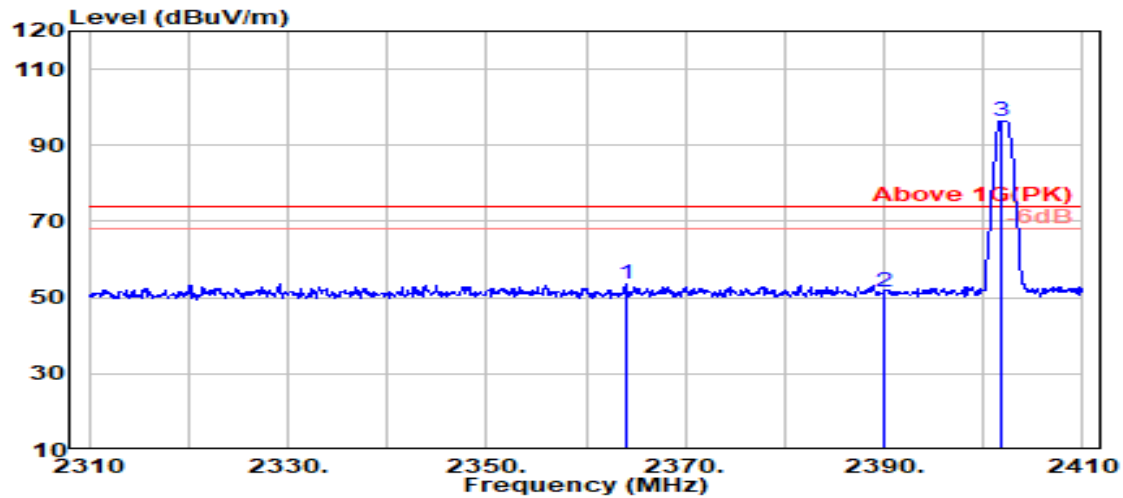
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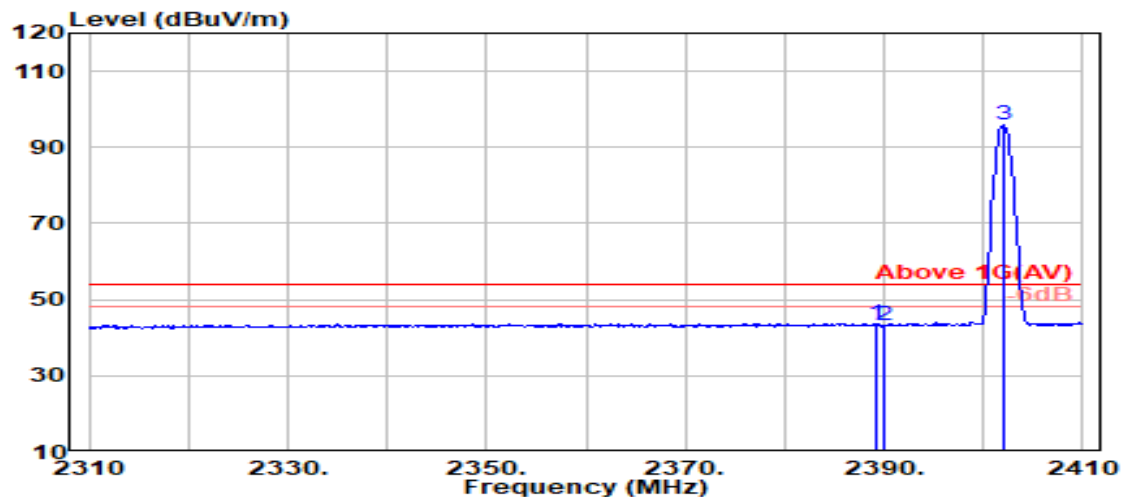
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Mode	BLE (1Mbps)	Frequency	TX 2402MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2364.021	28.20	6.00	39.93	59.44	53.70	74.00	20.30	Peak
2390.000	28.20	6.03	39.93	57.09	51.39	74.00	22.61	Peak
@ 2401.753	28.20	6.05	39.93	102.22	96.54	---	---	Peak

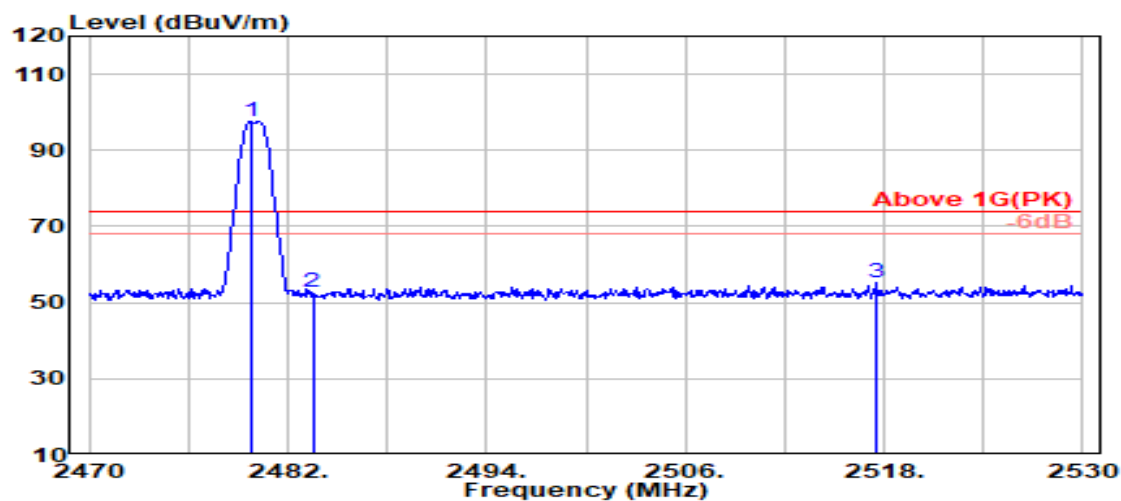


Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2389.278	28.20	6.03	39.93	49.37	43.68	54.00	10.32	Average
2390.000	28.20	6.03	39.93	49.05	43.35	54.00	10.65	Average
@ 2402.062	28.20	6.05	39.93	101.47	95.80	---	---	Average

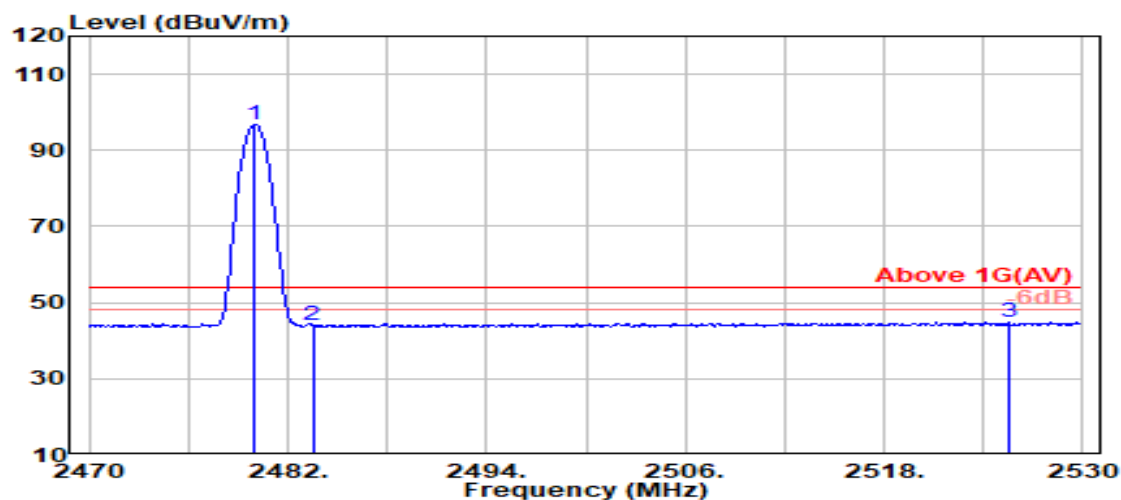
Remark: The “@” means fundamental frequency, it is ignored in this section

Mode	BLE (1Mbps)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

	Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@	2479.773	28.42	6.16	39.92	102.87	97.53	---	---	Peak
	2483.500	28.43	6.17	39.92	57.96	52.64	74.00	21.36	Peak
	2517.505	28.57	6.21	39.93	60.43	55.28	74.00	18.72	Peak



Antenna at Horizontal Polarization

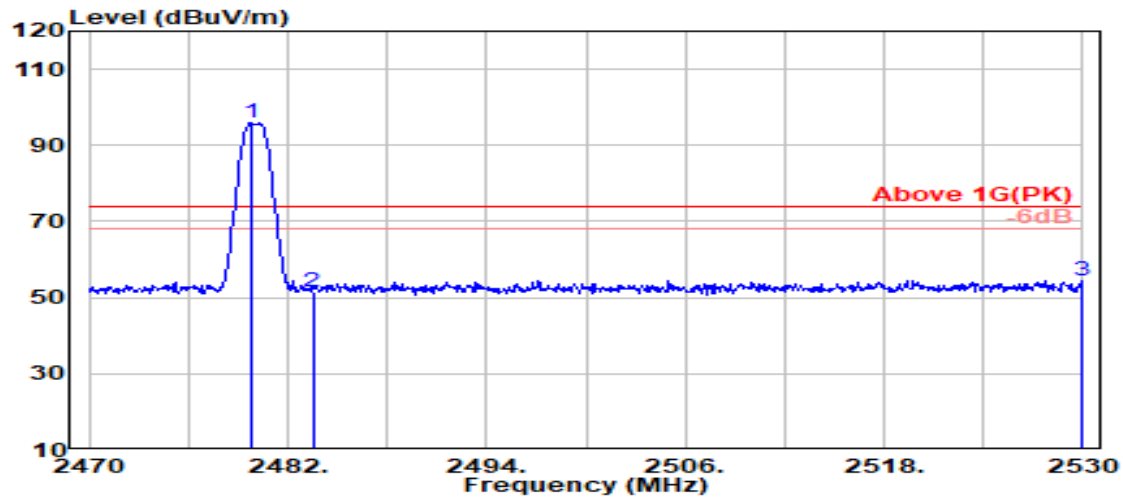
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@	2480.021	28.42	6.16	39.92	102.15	96.81	---	---	Average
	2483.500	28.43	6.17	39.92	49.21	43.89	54.00	10.11	Average
	2525.608	28.60	6.22	39.93	49.96	44.85	54.00	9.15	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

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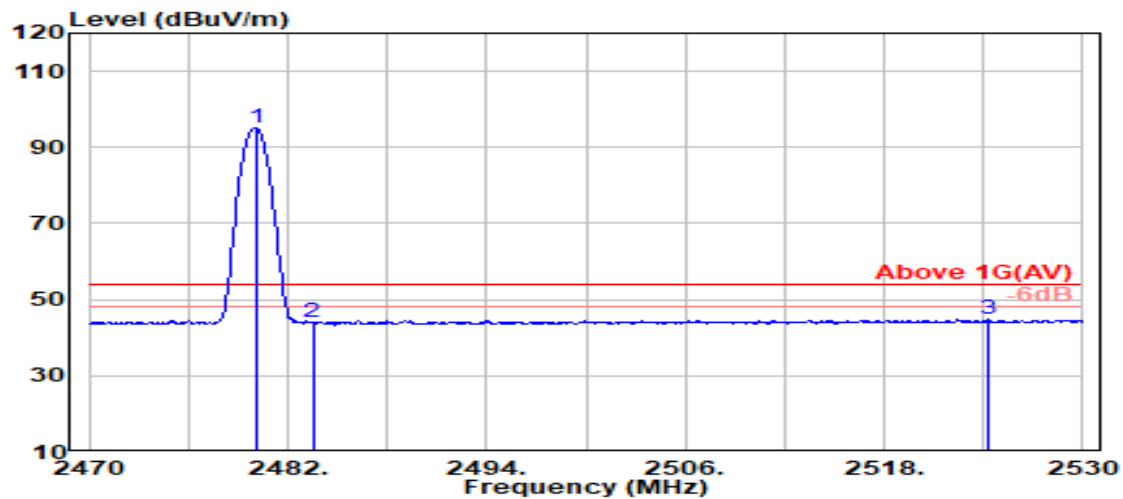
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Mode	BLE (1Mbps)	Frequency	TX 2480MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2479.773	28.42	6.16	39.92	101.10	95.76	---	---	Peak
2483.500	28.43	6.17	39.92	56.96	51.64	74.00	22.36	Peak
2529.876	28.62	6.23	39.93	59.62	54.53	74.00	19.47	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2480.083	28.42	6.16	39.92	100.51	95.17	---	---	Average
2483.500	28.43	6.17	39.92	49.34	44.02	54.00	9.98	Average
2524.247	28.60	6.22	39.93	49.81	44.70	54.00	9.30	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

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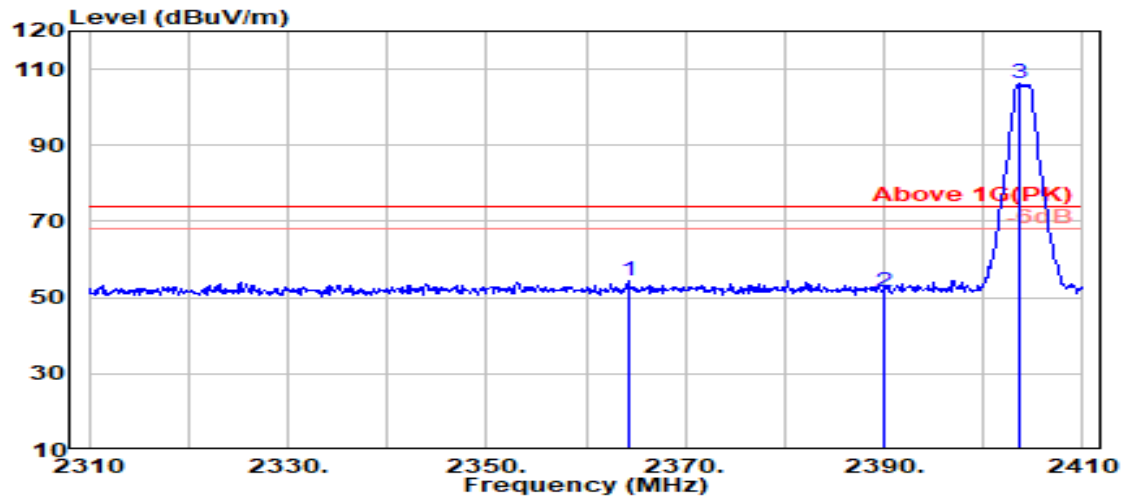
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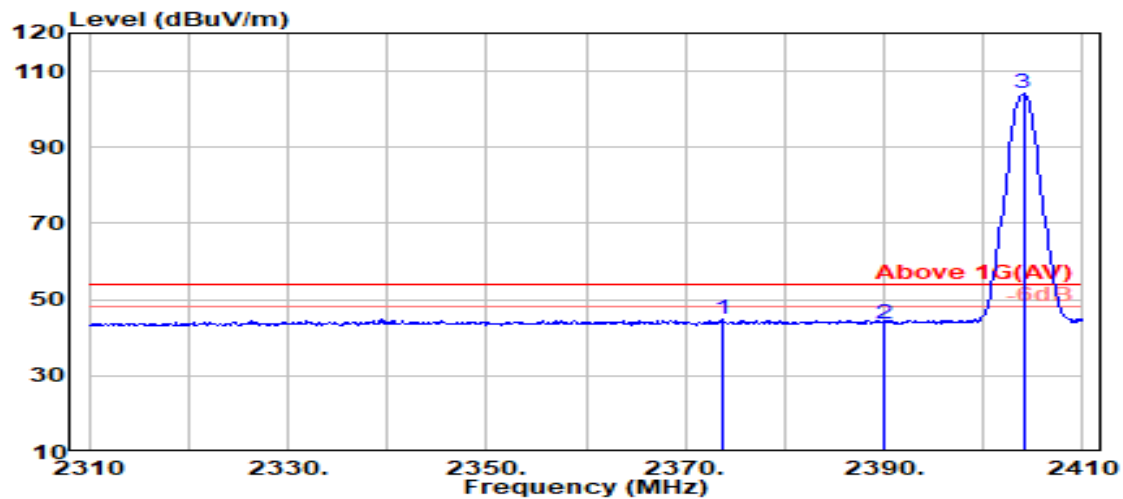
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Mode	BLE (2Mbps)	Frequency	TX 2404MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2364.227	28.20	6.00	39.93	60.23	54.49	74.00	19.51	Peak
2390.000	28.20	6.03	39.93	57.20	51.51	74.00	22.49	Peak
@ 2403.505	28.21	6.05	39.93	111.76	106.10	---	---	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2373.814	28.20	6.01	39.93	50.75	45.03	54.00	8.97	Average
2390.000	28.20	6.03	39.93	49.40	43.70	54.00	10.30	Average
@ 2404.021	28.21	6.05	39.93	109.69	104.02	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

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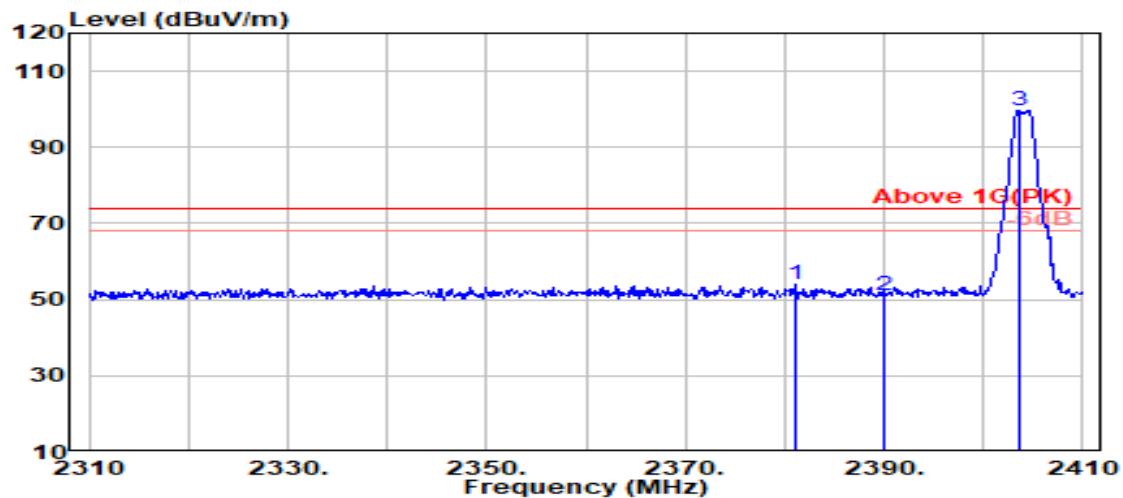
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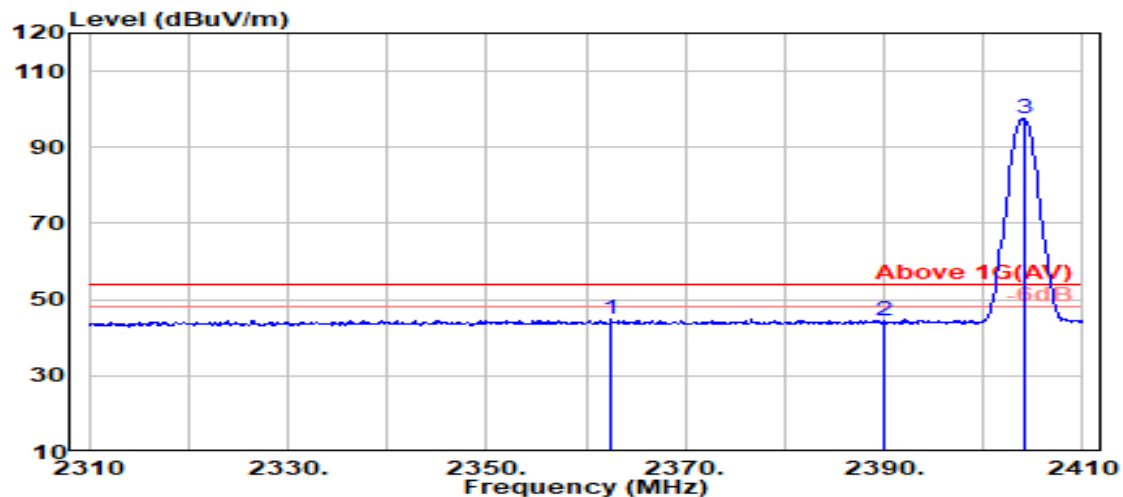
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Mode	BLE (2Mbps)	Frequency	TX 2404MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2381.031	28.20	6.02	39.93	59.57	53.86	74.00	20.14	Peak
2390.000	28.20	6.03	39.93	56.82	51.13	74.00	22.87	Peak
@ 2403.505	28.21	6.05	39.93	105.36	99.70	---	---	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
2362.474	28.20	5.99	39.93	50.45	44.71	54.00	9.29	Average
2390.000	28.20	6.03	39.93	49.97	44.28	54.00	9.72	Average
@ 2404.124	28.21	6.06	39.93	103.27	97.60	---	---	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

File Number: C1M2602136

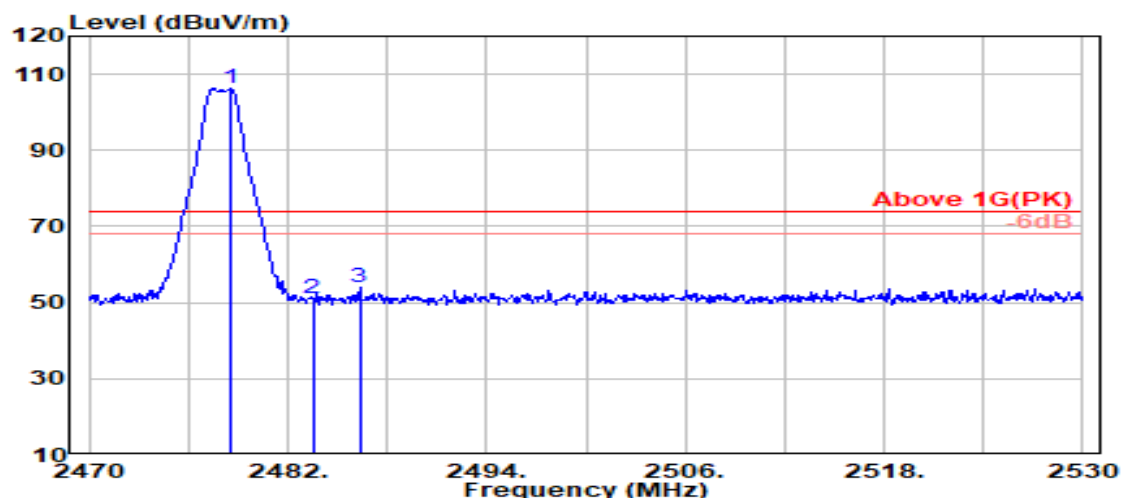
Report Number: EM-F260110

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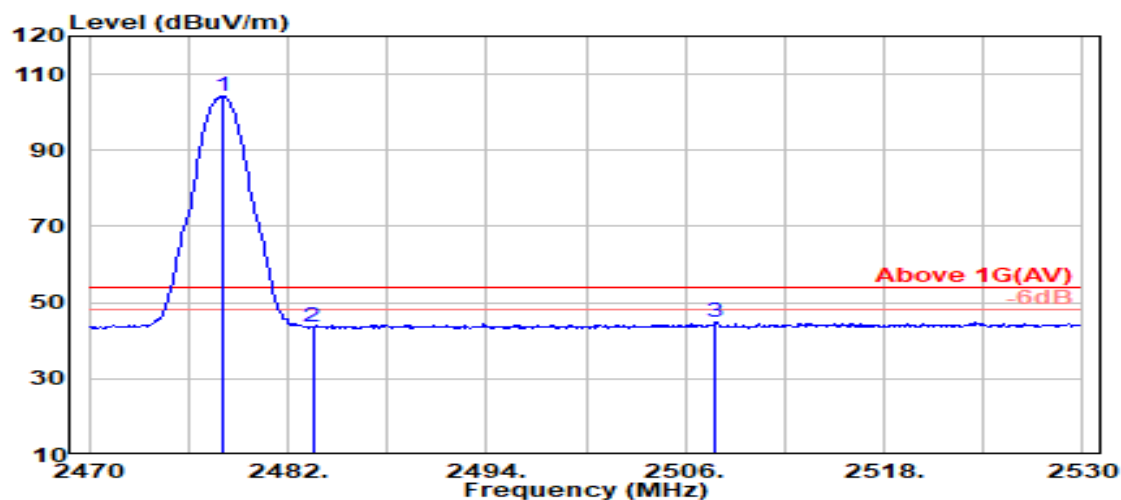
Tel: +886 2 26099301
Fax: +886 2 26099303

Mode	BLE (2Mbps)	Frequency	TX 2478MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2478.536	28.41	6.16	39.92	111.51	106.17	---	---	Peak
2483.500	28.43	6.17	39.92	56.56	51.24	74.00	22.76	Peak
2486.330	28.45	6.17	39.92	59.21	53.90	74.00	20.10	Peak



Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
@ 2478.103	28.41	6.16	39.92	109.49	104.14	---	---	Average
2483.500	28.43	6.17	39.92	49.14	43.82	54.00	10.18	Average
2507.856	28.53	6.20	39.92	50.19	45.00	54.00	9.00	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

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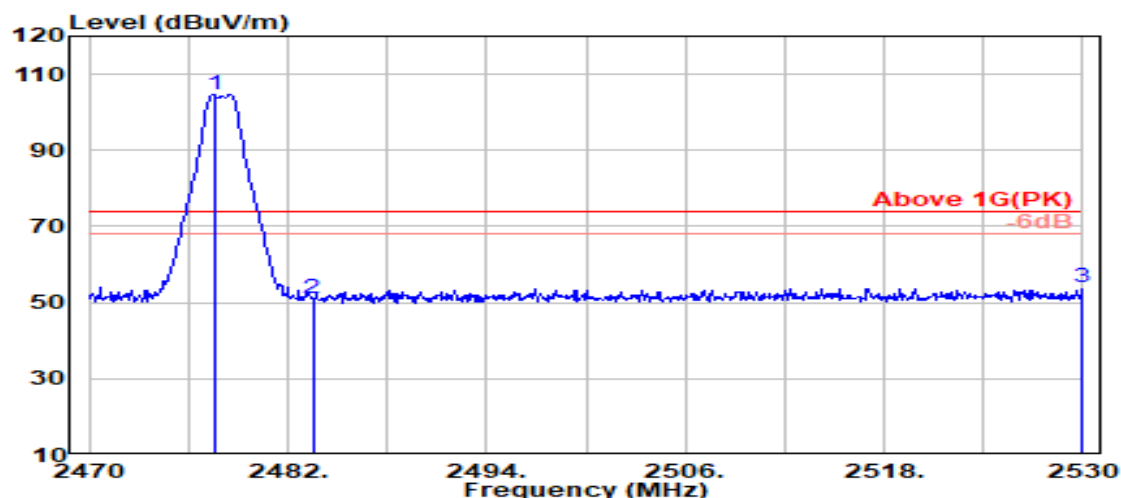
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Tel: +886 2 26099301

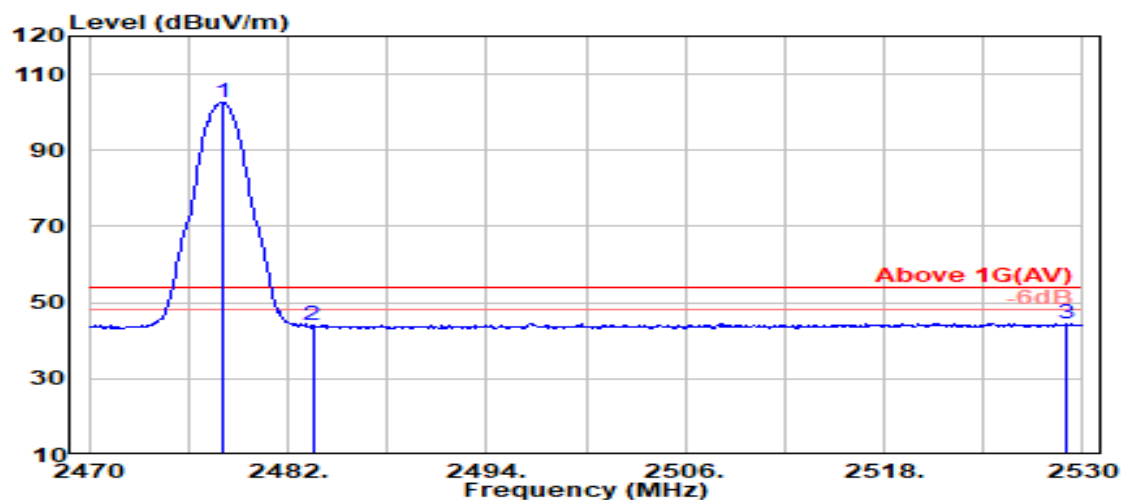
Fax: +886 2 26099303

Mode	BLE (2Mbps)	Frequency	TX 2478MHz
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Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2477.546	28.41	6.16	39.92	110.00	104.65	---	---	Peak
2483.500	28.43	6.17	39.92	56.54	51.22	74.00	22.78	Peak
2530.000	28.62	6.23	39.93	59.24	54.15	74.00	19.85	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Read Level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
@ 2478.103	28.41	6.16	39.92	107.93	102.58	---	---	Average
2483.500	28.43	6.17	39.92	49.22	43.90	54.00	10.10	Average
2529.010	28.62	6.22	39.93	49.74	44.65	54.00	9.35	Average

Remark: The “@” means fundamental frequency, it is ignored in this section

File Number: C1M2602136

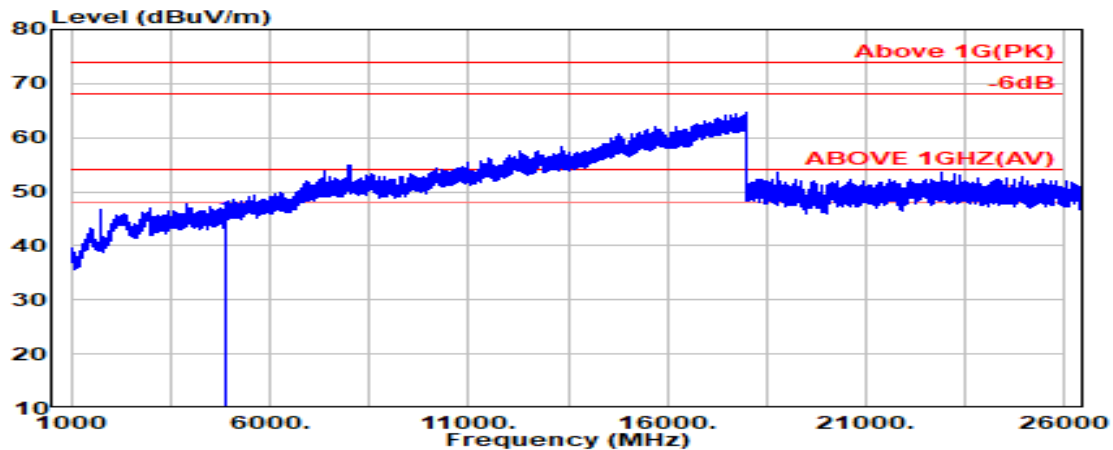
Report Number: EM-F260110

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A.2.2 Emissions outside the frequency band:

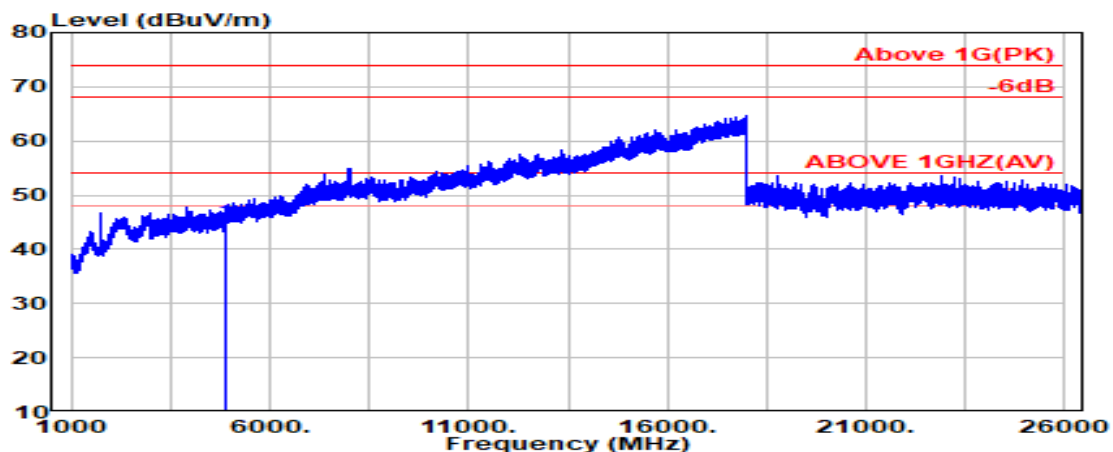
The emissions (up to 25GHz) not reported for there is no emission be found.

Mode	Normal	Frequency	---
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	43.05	45.09	54.00	8.91	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBUV)	Emission Level (dBUV/m)	Limits (dBUV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	43.15	45.19	54.00	8.81	Peak

Mode	BLE (1Mbps)	Frequency	TX 2402MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.72	8.32	39.39	41.91	43.56	54.00	10.44	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4804.000	32.72	8.32	39.39	41.02	42.68	54.00	11.32	Peak

Mode	BLE (1Mbps)	Frequency	TX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	41.45	43.49	54.00	10.51	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	42.63	44.67	54.00	9.33	Peak

Mode	BLE (1Mbps)	Frequency	TX 2480MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.22	8.42	39.32	42.68	45.00	54.00	9.00	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamplifier Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4960.000	33.22	8.42	39.32	42.18	44.51	54.00	9.49	Peak

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Mode	BLE (2Mbps)	Frequency	TX 2404MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4808.000	32.73	8.33	39.39	42.17	43.84	54.00	10.16	Peak

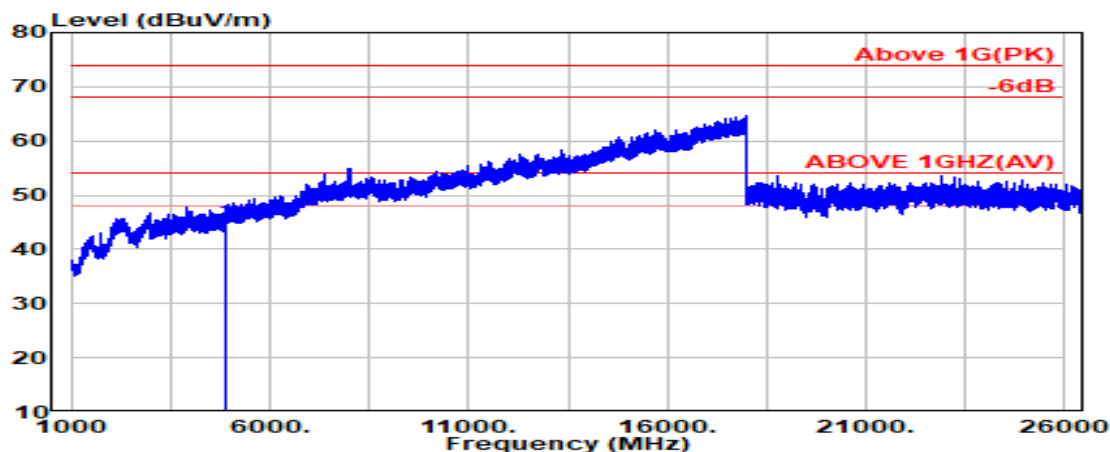
Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4808.000	32.73	8.33	39.39	43.34	45.02	54.00	8.98	Peak

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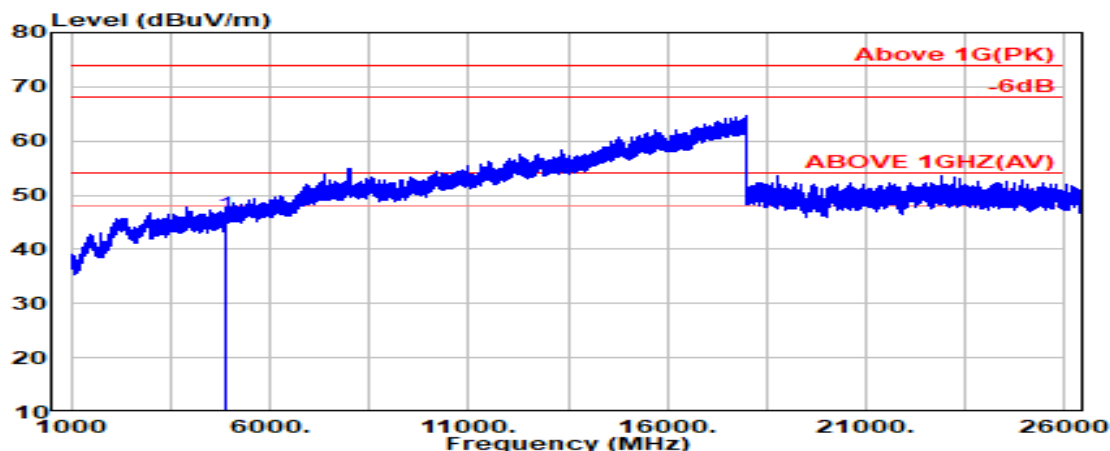
Tel: +886 2 26099301
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Mode	BLE (2Mbps)	Frequency	TX 2440MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	43.50	45.54	54.00	8.46	Peak



Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4880.000	33.02	8.37	39.35	42.78	44.82	54.00	9.18	Peak

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Mode	BLE (2Mbps)	Frequency	TX 2478MHz
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Antenna at Horizontal Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4956.000	33.21	8.42	39.32	42.15	44.46	54.00	9.54	Peak

Antenna at Vertical Polarization

Emission Frequency (MHz)	Antenna Factor (dB/m)	Cable Loss (dB)	Preamp Gain (dB)	Reading level (dBμV)	Emission Level (dBμV/m)	Limits (dBμV/m)	Margin (dB)	Detector
4956.000	33.21	8.42	39.32	42.74	45.06	54.00	8.94	Peak

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A.2.3 Emissions in Non-restricted Frequency Bands:

Pursuant to ANSI C63.10-2020 & ANSI C63.10-2020 + Cor.1-2023 that emission levels below the FCC 15.209(a)/RSS-Gen Section 8.9 table 4 general radiated emissions limits is not required.

A.3 DTS/OCCUPIED BANDWIDTH

Test Date	2026/03/12	Temp./Hum.	19°C/61%
Cable Loss	1.38dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.3.1 DTS/Occupied Bandwidth Result

Mode	Centre Frequency (MHz)	DTS (6dB) Bandwidth (MHz)	Occupied (99%) Bandwidth (MHz)	Limit
BLE (1Mbps)	2402	0.7190	1.0330	>500kHz
	2440	0.7180	1.0325	
	2480	0.7240	1.0328	
BLE (2Mbps)	2404	1.250	2.0474	
	2440	1.252	2.0459	
	2478	1.258	2.0458	

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A.3.2 Measurement Plots

● DTS (6dB) Bandwidth



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● Occupied (99%) Bandwidth



A.4 MAXIMUM PEAK OUTPUT POWER

Test Date	2026/03/12	Temp./Hum.	19°C/61%
Cable Loss	1.38dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

A.4.1 Maximum Peak Output Power

Mode	Centre Frequency (MHz)	Maximum Peak Output Power		Antenna Gain (dBi)	E.I.R.P		Limit
		dBm	W		dBm	W	
BLE (1Mbps)	2402	6.07	0.004	2.73	8.80	0.008	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	6.21	0.004	2.73	8.94	0.008	
	2480	6.32	0.004	2.73	9.05	0.008	
BLE (2Mbps)	2404	15.77	0.038	2.73	18.50	0.071	<30dBm (Maximum Peak Output Power) <36dBm (E.I.R.P)
	2440	15.86	0.039	2.73	18.59	0.072	
	2478	15.89	0.039	2.73	18.62	0.073	

Note: 1. The results have been included cable loss.

2. E.I.R.P.= The Maximum Peak Output Power + Antenna Gain (dBi).

A.4.2 Average Output Power (Reporting only)

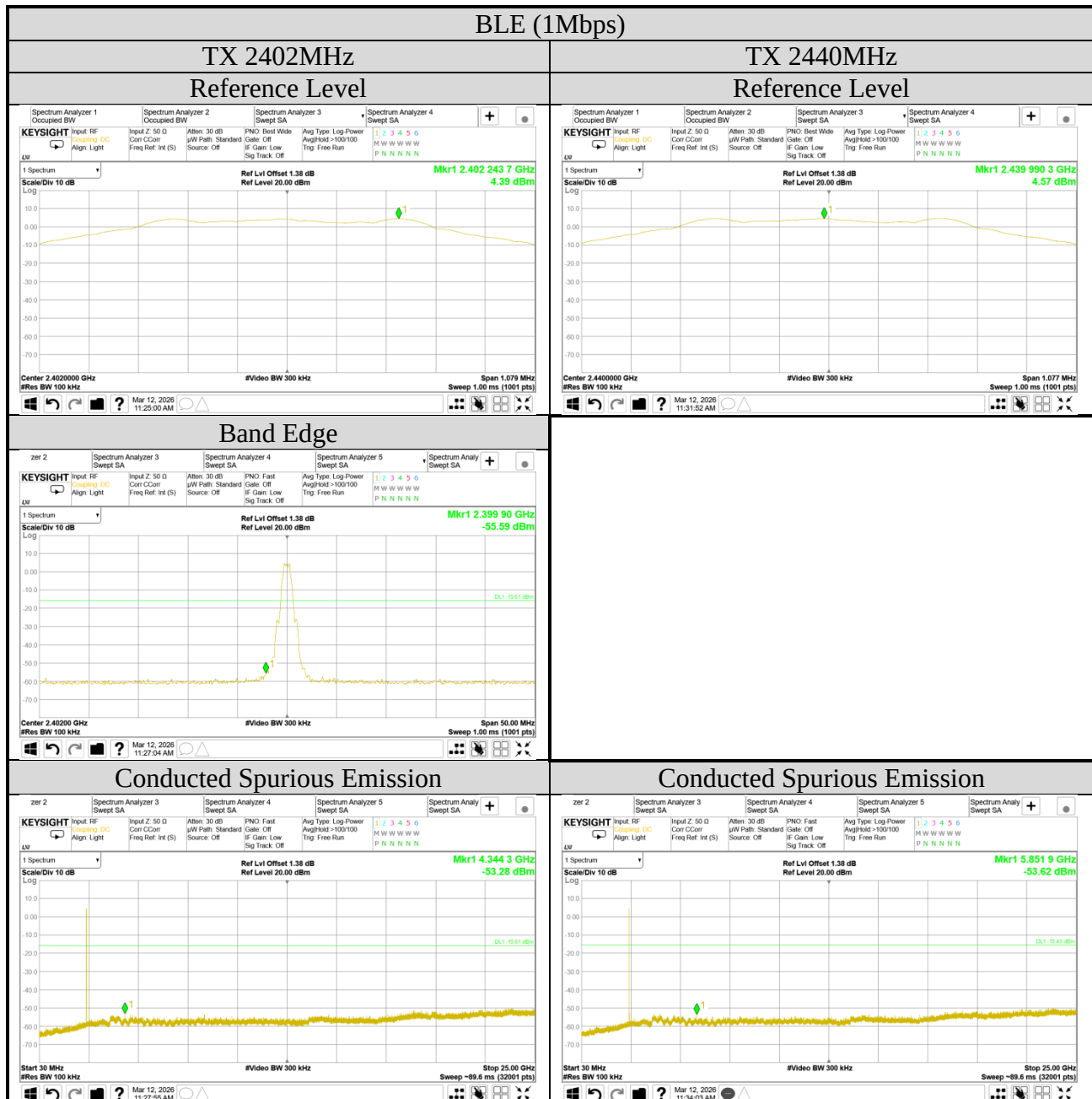
Mode	Centre Frequency (MHz)	Average Output Power (dBm)	Duty cycle factor (dB) 10log (1/x)	Maximum Average Output Power	
				(dBm)	(W)
BLE (1Mbps)	2402	3.67	2.154	5.82	0.004
	2440	3.82	2.154	5.97	0.004
	2480	3.91	2.154	6.06	0.004
BLE (2Mbps)	2404	10.55	5.100	15.65	0.037
	2440	10.62	5.100	15.72	0.037
	2478	10.67	5.100	15.77	0.038

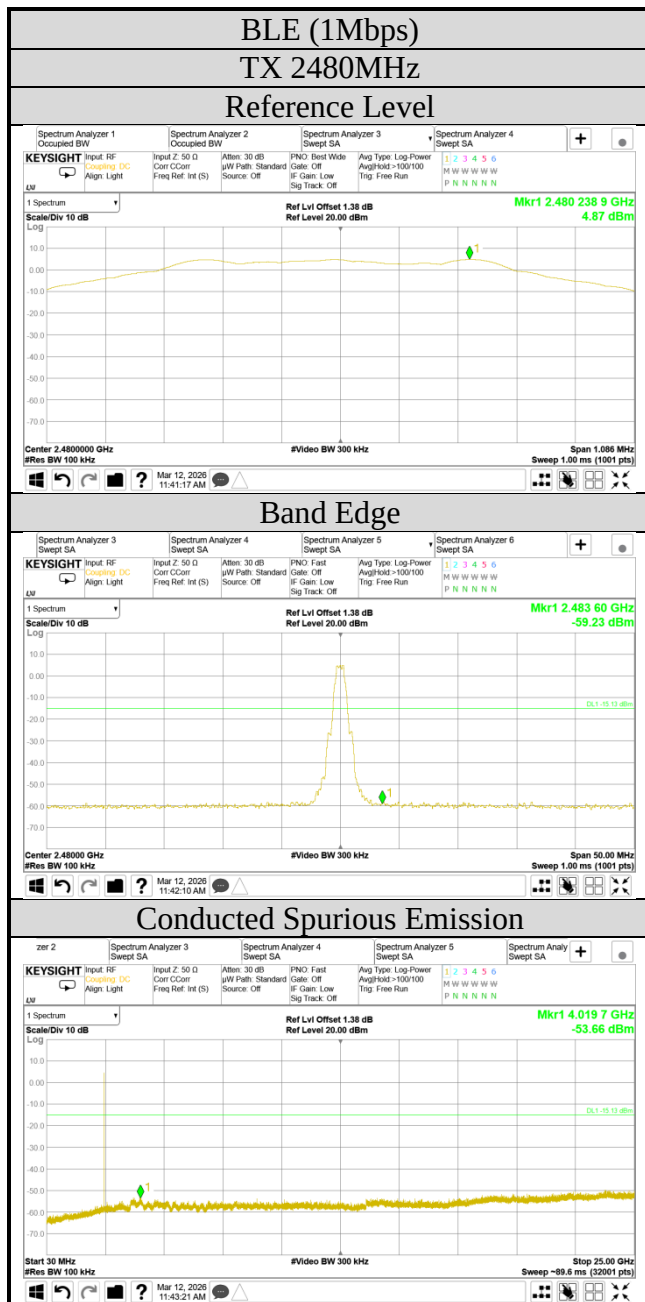
Note: 1. The results have been included cable loss.

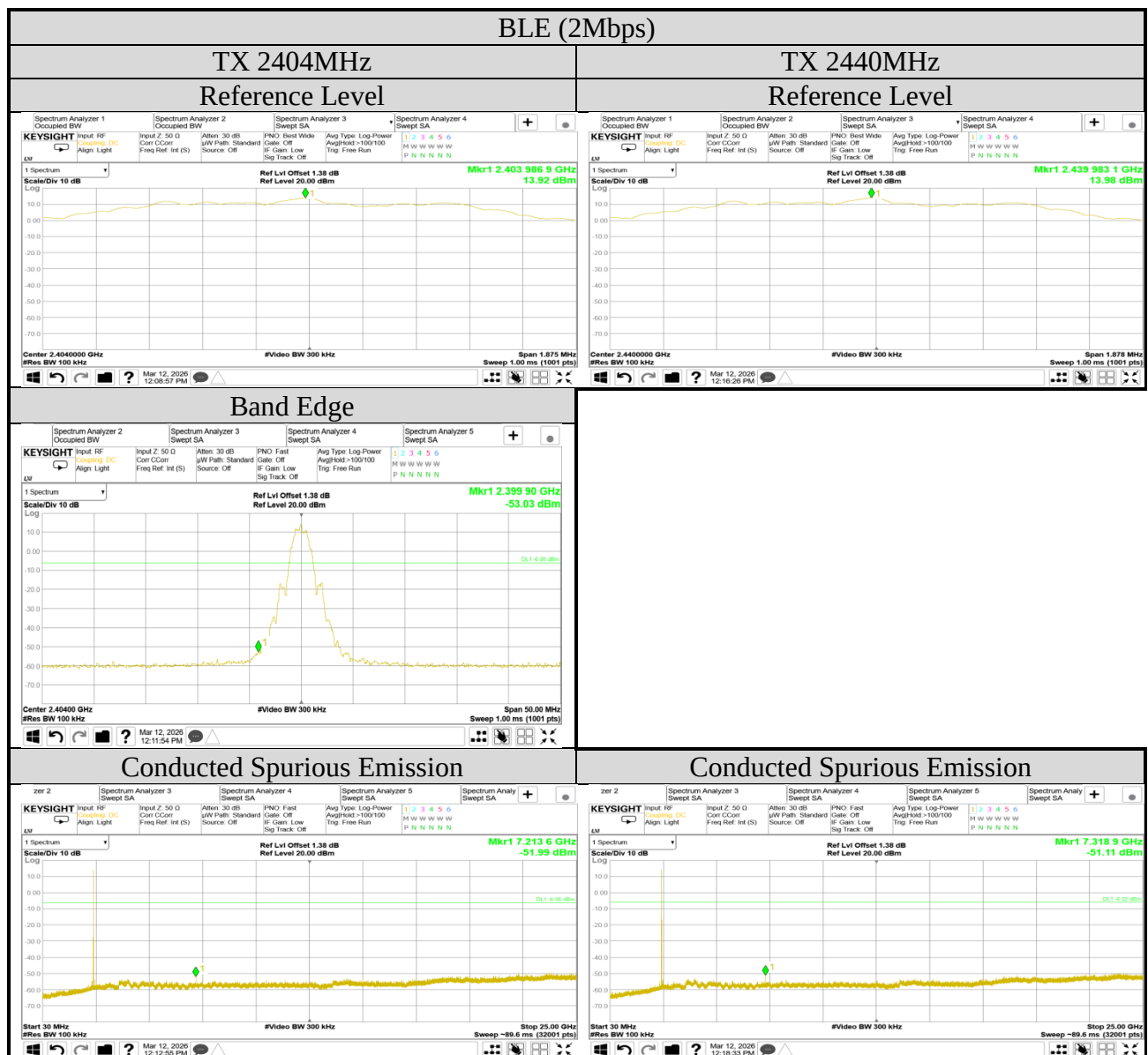
2. The Maximum Average Output Power = The Average Output Power (dBm)+ Duty cycle factor (dB), when duty cycle is less than 98%.

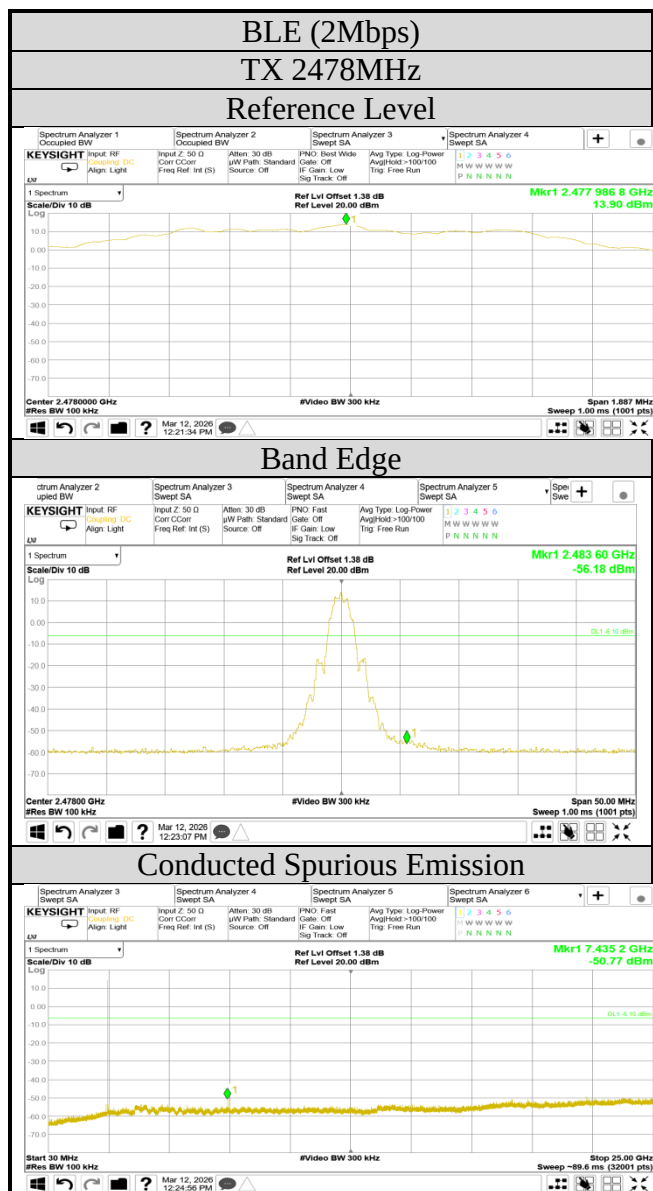
A.5 EMISSION LIMITATIONS

Test Date	2026/03/12	Temp./Hum.	19°C/61%
Cable Loss	1.38dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		









A.6 POWER SPECTRAL DENSITY

Test Date	2026/03/12	Temp./Hum.	19°C/61%
Cable Loss	1.38dB	Tested By	Sean Wang
Test Voltage	AC 120V, 60Hz		

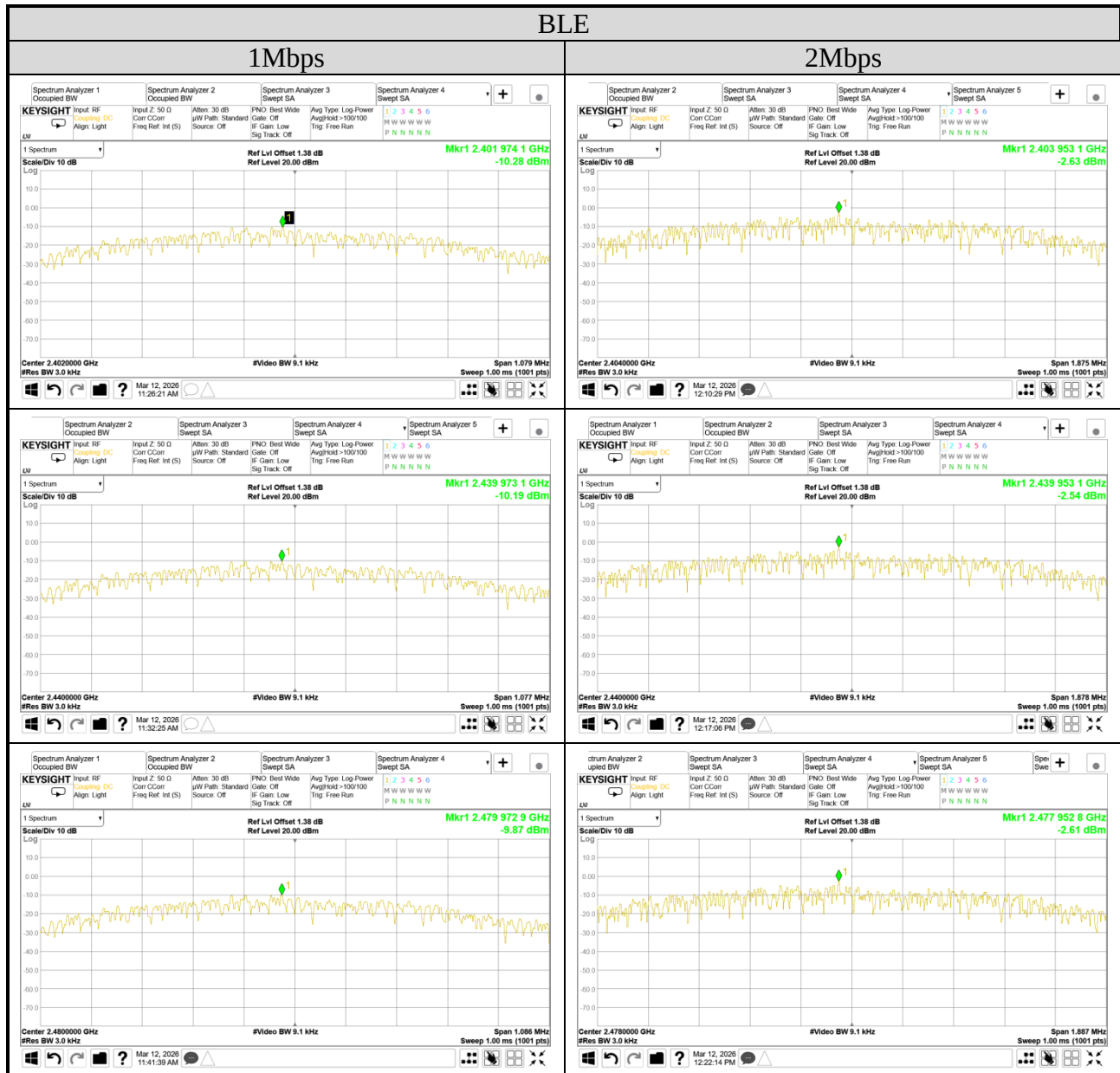
A.6.1 Power Spectral Density Result

Mode	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
BLE (1Mbps)	2402	-10.28	<8 dBm/3kHz
	2440	-10.19	
	2480	-9.87	
BLE (2Mbps)	2404	-2.63	
	2440	-2.54	
	2478	-2.61	

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A.6.2 Measurement Plots



Note: All results have been included cable loss.