

TEST REPORT

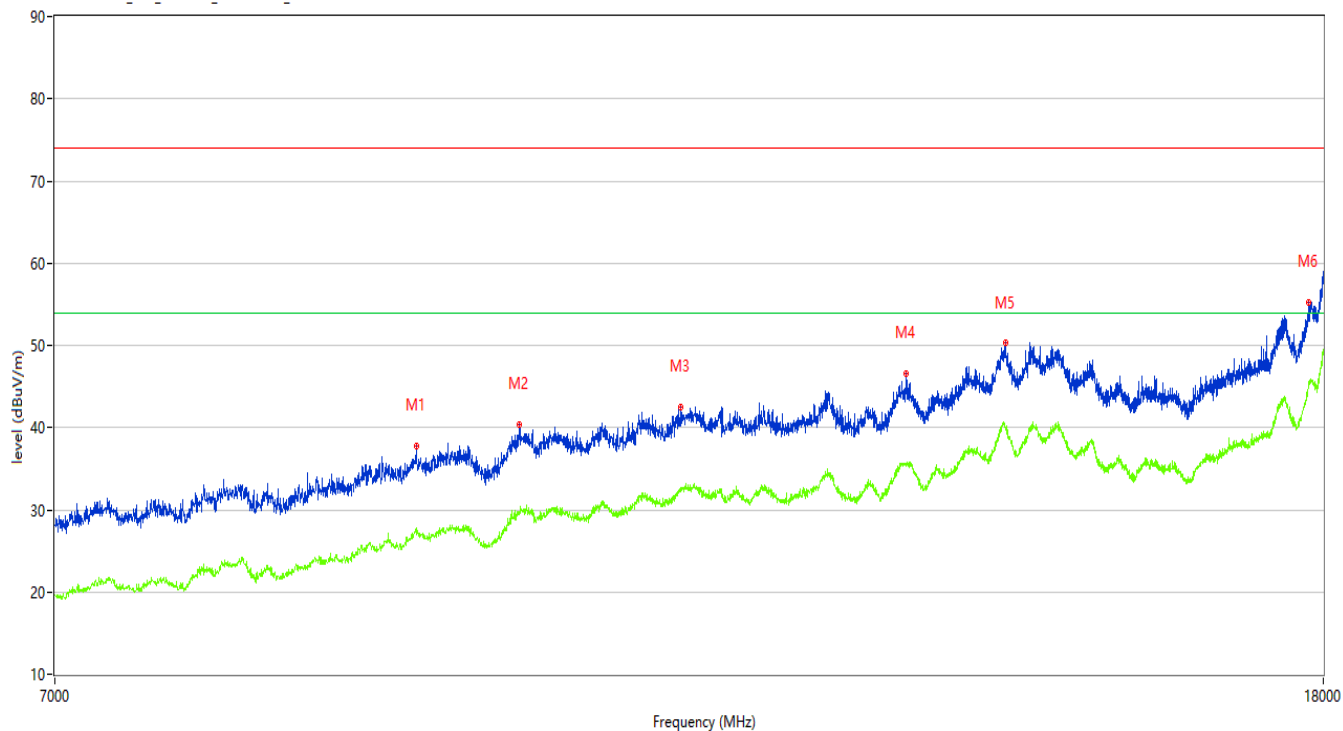
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9161.500	37.69	7.39	74.0	-36.31	Peak	115.50	100	Vertical	Pass
1**	9161.500	26.95	7.39	54.0	-27.05	AV	115.50	100	Vertical	Pass
2	9890.250	40.42	9.54	74.0	-33.58	Peak	53.30	100	Vertical	Pass
2**	9890.250	29.77	9.54	54.0	-24.23	AV	53.30	100	Vertical	Pass
3	11155.250	42.47	10.90	74.0	-31.53	Peak	213.00	100	Vertical	Pass
3**	11155.250	32.24	10.90	54.0	-21.76	AV	213.00	100	Vertical	Pass
4	13190.250	46.57	14.06	74.0	-27.43	Peak	1.80	100	Vertical	Pass
4**	13190.250	35.58	14.06	54.0	-18.42	AV	1.80	100	Vertical	Pass
5	14210.500	50.28	19.26	74.0	-23.72	Peak	28.80	100	Vertical	Pass
5**	14210.500	39.84	19.26	54.0	-14.16	AV	28.80	100	Vertical	Pass
6	17810.250	55.22	21.98	74.0	-18.78	Peak	0.00	100	Vertical	Pass
6**	17810.250	45.43	21.98	54.0	-8.57	AV	0.00	100	Vertical	Pass

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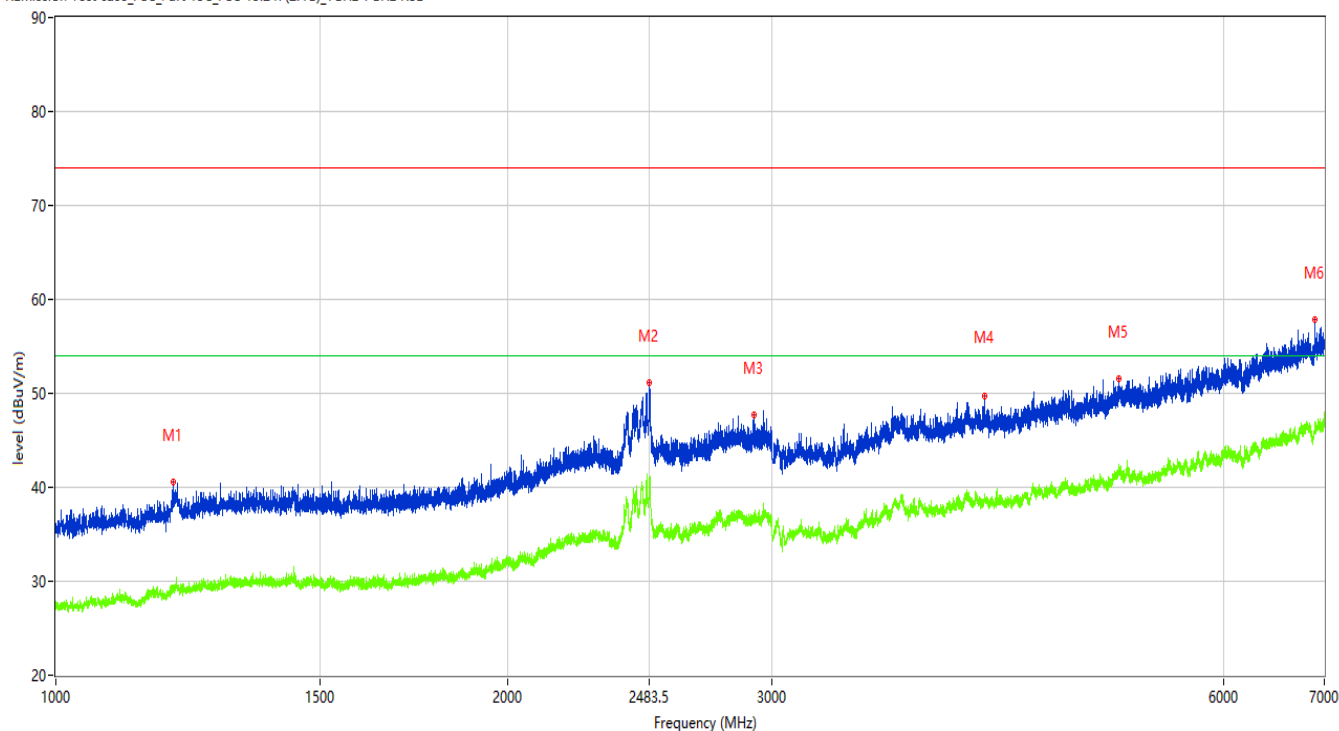
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Figure 28: Radiated Emission, BLE-1M, 2440MHz_1GHz_7GHz
Horizontal polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.475	40.52	-13.49	74.0	-33.48	Peak	348.30	100	Horizontal	Pass
1**	1197.475	29.56	-13.49	54.0	-24.44	AV	348.30	100	Horizontal	Pass
2	2486.064	51.19	-1.91	74.0	-22.81	Peak	288.70	100	Horizontal	Pass
2**	2486.064	40.33	-1.91	54.0	-13.67	AV	288.70	100	Horizontal	Pass
3	2916.260	47.74	-4.09	74.0	-26.26	Peak	136.70	100	Horizontal	Pass
3**	2916.260	36.73	-4.09	54.0	-17.27	AV	136.70	100	Horizontal	Pass
4	4156.355	49.67	-1.33	74.0	-24.33	Peak	100.40	100	Horizontal	Pass
4**	4156.355	38.33	-1.33	54.0	-15.67	AV	100.40	100	Horizontal	Pass
5	5104.737	51.54	1.30	74.0	-22.46	Peak	59.90	100	Horizontal	Pass
5**	5104.737	40.93	1.30	54.0	-13.07	AV	59.90	100	Horizontal	Pass
6	6902.012	57.86	5.08	74.0	-16.14	Peak	241.50	100	Horizontal	Pass
6**	6902.012	47.00	5.08	54.0	-7.00	AV	241.50	100	Horizontal	Pass

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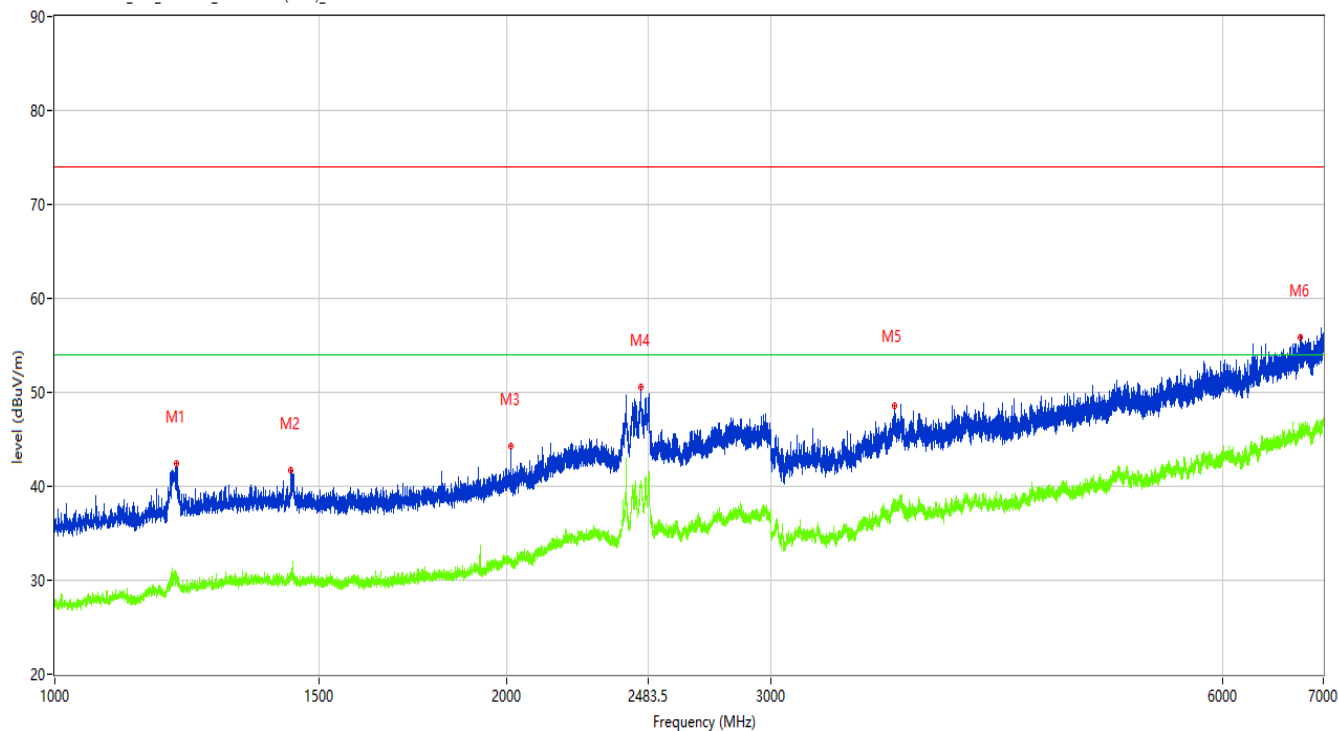
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.724	42.37	-13.59	74.0	-31.63	Peak	134.80	100	Vertical	Pass
1**	1205.724	30.13	-13.59	54.0	-23.87	AV	134.80	100	Vertical	Pass
2	1435.446	41.71	-12.66	74.0	-32.29	Peak	121.10	100	Vertical	Pass
2**	1435.446	30.85	-12.66	54.0	-23.15	AV	121.10	100	Vertical	Pass
3	2012.123	44.30	-10.78	74.0	-29.70	Peak	267.30	100	Vertical	Pass
3**	2012.123	31.60	-10.78	54.0	-22.40	AV	267.30	100	Vertical	Pass
4	2456.318	50.64	-2.65	74.0	-23.36	Peak	50.00	100	Vertical	Pass
4**	2456.318	40.51	-2.65	54.0	-13.49	AV	50.00	100	Vertical	Pass
5	3625.922	48.57	-1.59	74.0	-25.43	Peak	359.80	100	Vertical	Pass
5**	3625.922	38.26	-1.59	54.0	-15.74	AV	359.80	100	Vertical	Pass
6	6759.030	55.87	4.94	74.0	-18.13	Peak	359.20	100	Vertical	Pass
6**	6759.030	46.29	4.94	54.0	-7.71	AV	359.20	100	Vertical	Pass

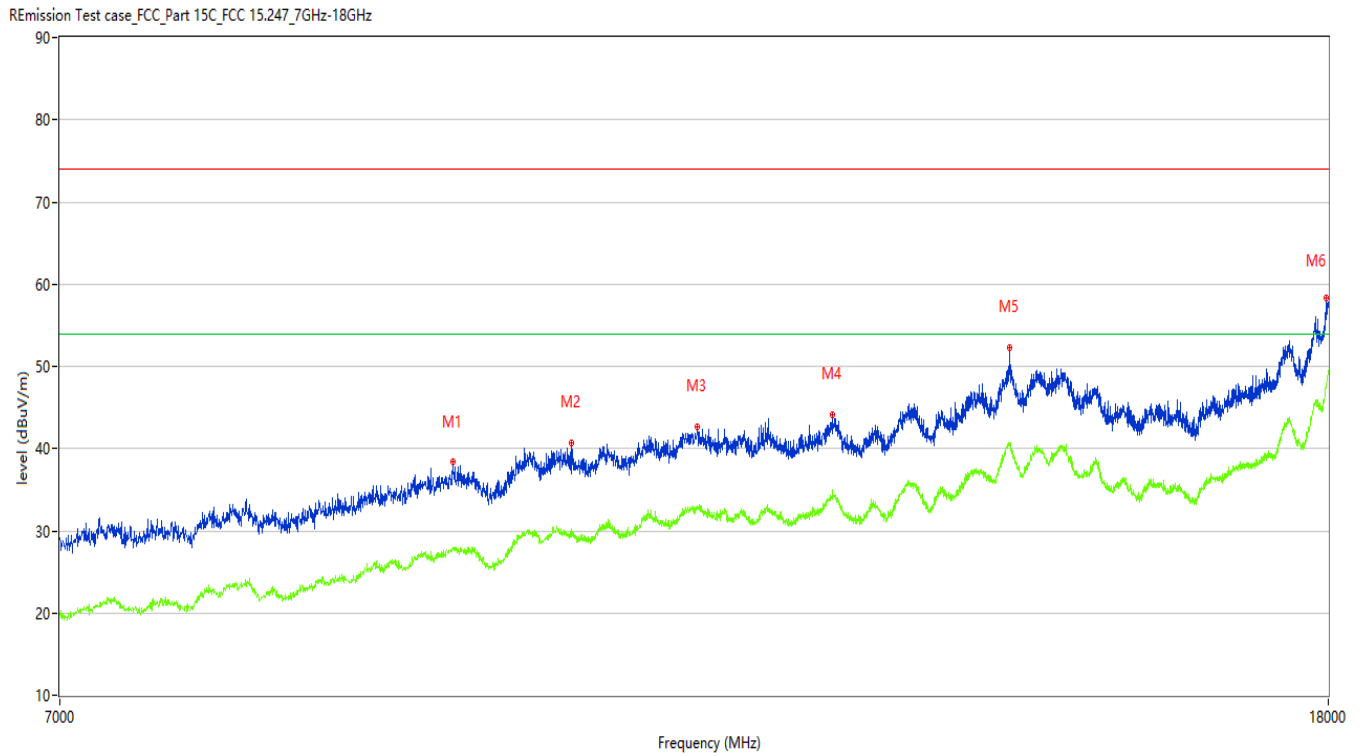
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Figure 29: Radiated Emission, BLE-1M, 2440MHz_7GHz_18GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9378.750	38.35	7.64	74.0	-35.65	Peak	76.00	100	Horizontal	Pass
1**	9378.750	27.94	7.64	54.0	-26.06	AV	76.00	100	Horizontal	Pass
2	10247.750	40.70	9.28	74.0	-33.30	Peak	303.80	100	Horizontal	Pass
2**	10247.750	29.34	9.28	54.0	-24.66	AV	303.80	100	Horizontal	Pass
3	11254.250	42.64	11.95	74.0	-31.36	Peak	1.10	100	Horizontal	Pass
3**	11254.250	32.85	11.95	54.0	-21.15	AV	1.10	100	Horizontal	Pass
4	12442.250	44.20	12.47	74.0	-29.80	Peak	336.90	100	Horizontal	Pass
4**	12442.250	35.05	12.47	54.0	-18.95	AV	336.90	100	Horizontal	Pass
5	14199.500	52.29	19.51	74.0	-21.71	Peak	336.90	100	Horizontal	Pass
5**	14199.500	40.38	19.51	54.0	-13.62	AV	336.90	100	Horizontal	Pass
6	17977.999	58.32	26.56	74.0	-15.68	Peak	144.50	100	Horizontal	Pass
6**	17977.999	47.84	26.56	54.0	-6.16	AV	144.50	100	Horizontal	Pass

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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8955.250	36.63	7.32	74.0	-37.37	Peak	327.60	100	Vertical	Pass
1**	8955.250	26.20	7.32	54.0	-27.80	AV	327.60	100	Vertical	Pass
2	9945.250	40.22	9.73	74.0	-33.78	Peak	339.10	100	Vertical	Pass
2**	9945.250	29.63	9.73	54.0	-24.37	AV	339.10	100	Vertical	Pass
3	10866.500	41.02	11.12	74.0	-32.98	Peak	186.10	100	Vertical	Pass
3**	10866.500	31.95	11.12	54.0	-22.05	AV	186.10	100	Vertical	Pass
4	12450.500	44.11	12.51	74.0	-29.89	Peak	104.90	100	Vertical	Pass
4**	12450.500	34.19	12.51	54.0	-19.81	AV	104.90	100	Vertical	Pass
5	14163.750	50.77	18.99	74.0	-23.23	Peak	163.70	100	Vertical	Pass
5**	14163.750	39.96	18.99	54.0	-14.04	AV	163.70	100	Vertical	Pass
6	17999.999	58.65	27.92	74.0	-15.35	Peak	209.90	100	Vertical	Pass
6**	17999.999	49.20	27.92	54.0	-4.80	AV	209.90	100	Vertical	Pass

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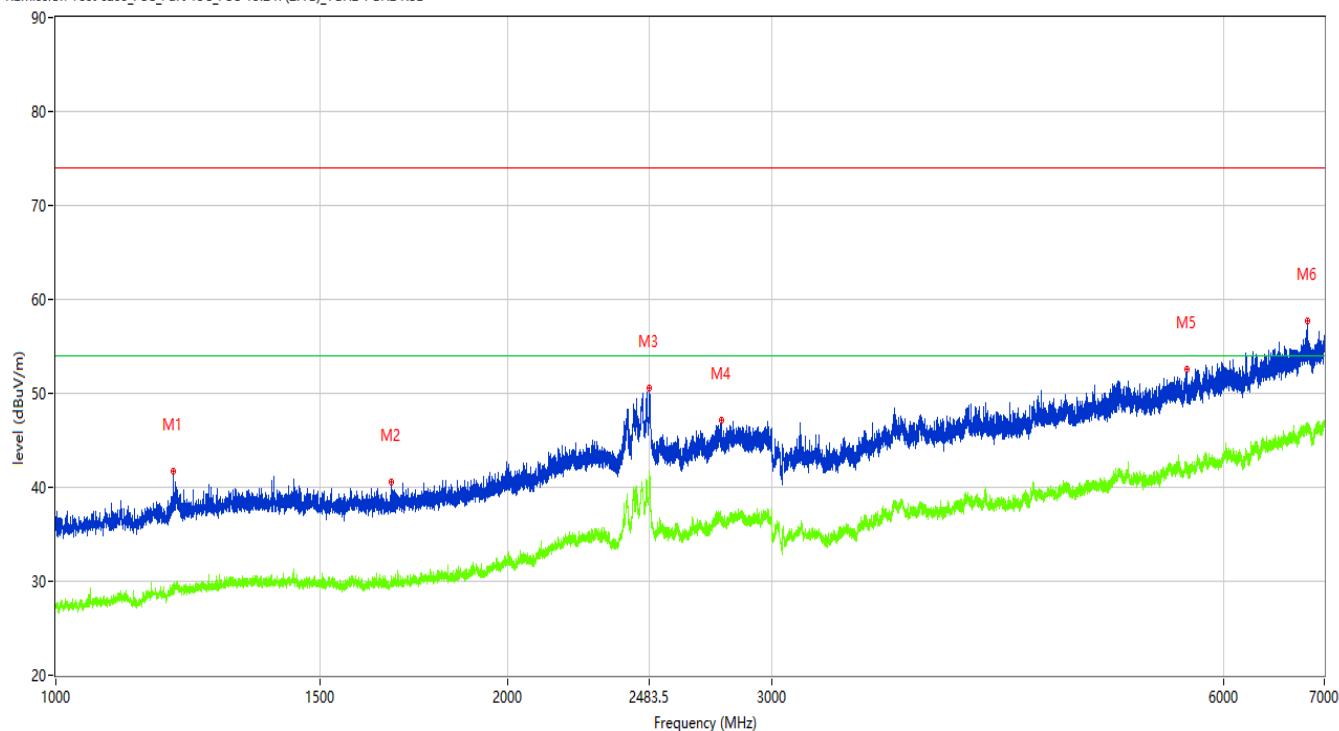
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Figure 30: Radiated Emission, BLE-1M, 2480MHz_1GHz_7GHz
Horizontal polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.725	41.74	-13.49	74.0	-32.26	Peak	0.80	100	Horizontal	Pass
1**	1197.725	29.22	-13.49	54.0	-24.78	AV	0.80	100	Horizontal	Pass
2	1672.666	40.62	-13.07	74.0	-33.38	Peak	23.50	100	Horizontal	Pass
2**	1672.666	29.88	-13.07	54.0	-24.12	AV	23.50	100	Horizontal	Pass
3	2486.564	50.55	-1.90	74.0	-23.45	Peak	208.10	100	Horizontal	Pass
3**	2486.564	40.83	-1.90	54.0	-13.17	AV	208.10	100	Horizontal	Pass
4	2774.528	47.08	-4.51	74.0	-26.92	Peak	65.90	100	Horizontal	Pass
4**	2774.528	36.27	-4.51	54.0	-17.73	AV	65.90	100	Horizontal	Pass
5	5667.167	52.55	1.51	74.0	-21.45	Peak	34.50	100	Horizontal	Pass
5**	5667.167	42.22	1.51	54.0	-11.78	AV	34.50	100	Horizontal	Pass
6	6817.023	57.78	5.12	74.0	-16.22	Peak	1.60	100	Horizontal	Pass
6**	6817.023	45.93	5.12	54.0	-8.07	AV	1.60	100	Horizontal	Pass

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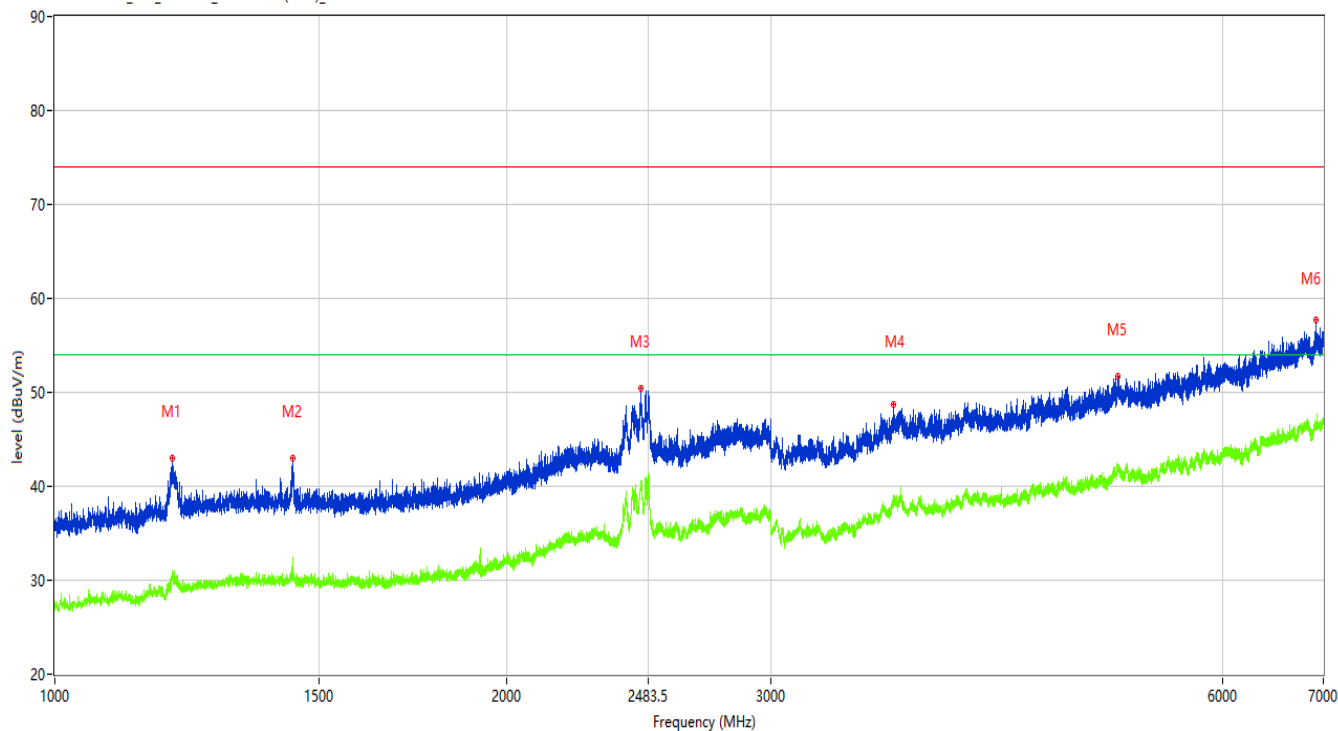
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.725	43.07	-13.49	74.0	-30.93	Peak	350.40	100	Vertical	Pass
1**	1197.725	31.04	-13.49	54.0	-22.96	AV	350.40	100	Vertical	Pass
2	1440.445	43.06	-12.73	74.0	-30.94	Peak	283.80	100	Vertical	Pass
2**	1440.445	31.18	-12.73	54.0	-22.82	AV	283.80	100	Vertical	Pass
3	2455.568	50.42	-2.67	74.0	-23.58	Peak	76.10	100	Vertical	Pass
3**	2455.568	40.43	-2.67	54.0	-13.57	AV	76.10	100	Vertical	Pass
4	3621.422	48.77	-1.67	74.0	-25.23	Peak	219.00	100	Vertical	Pass
4**	3621.422	38.23	-1.67	54.0	-15.77	AV	219.00	100	Vertical	Pass
5	5104.737	51.75	1.30	74.0	-22.25	Peak	281.20	100	Vertical	Pass
5**	5104.737	41.57	1.30	54.0	-12.43	AV	281.20	100	Vertical	Pass
6	6927.009	57.67	5.09	74.0	-16.33	Peak	174.70	100	Vertical	Pass
6**	6927.009	46.27	5.09	54.0	-7.73	AV	174.70	100	Vertical	Pass

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Figure 31: Radiated Emission, BLE-1M, 2480MHz_7GHz_18GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	7951.500	35.33	3.38	74.0	-38.67	Peak	274.70	100	Horizontal	Pass
1**	7951.500	23.44	3.38	54.0	-30.56	AV	274.70	100	Horizontal	Pass
2	9838.000	40.03	8.72	74.0	-33.97	Peak	358.90	100	Horizontal	Pass
2**	9838.000	29.45	8.72	54.0	-24.55	AV	358.90	100	Horizontal	Pass
3	11895.000	44.44	11.97	74.0	-29.56	Peak	2.20	100	Horizontal	Pass
3**	11895.000	32.32	11.97	54.0	-21.68	AV	2.20	100	Horizontal	Pass
4	14185.750	51.33	19.69	74.0	-22.67	Peak	263.90	100	Horizontal	Pass
4**	14185.750	40.70	19.69	54.0	-13.30	AV	263.90	100	Horizontal	Pass
5	14507.500	50.01	17.65	74.0	-23.99	Peak	182.80	100	Horizontal	Pass
5**	14507.500	40.14	17.65	54.0	-13.86	AV	182.80	100	Horizontal	Pass
6	17977.999	58.30	26.56	74.0	-15.70	Peak	228.20	100	Horizontal	Pass
6**	17977.999	47.59	26.56	54.0	-6.41	AV	228.20	100	Horizontal	Pass

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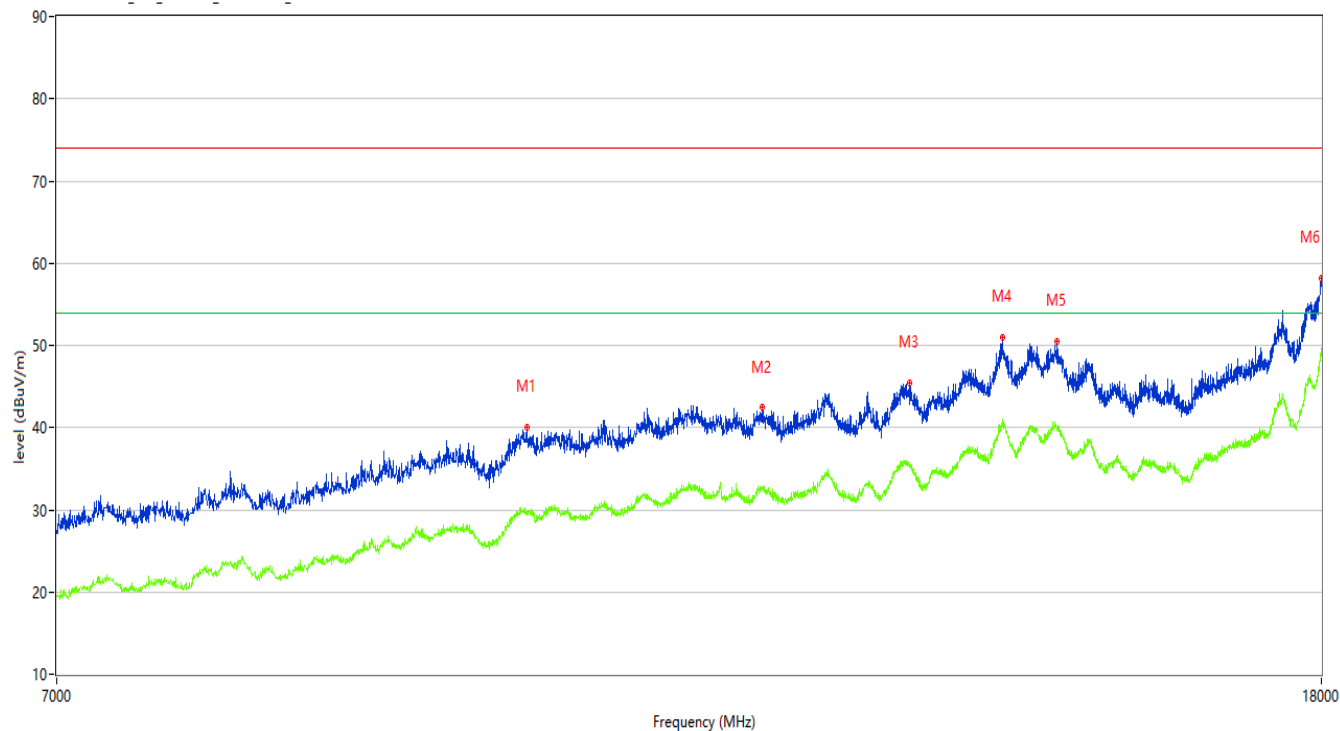
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBUV/m)	Factor (dB)	Limit (dBUV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9942.500	40.02	9.75	74.0	-33.98	Peak	146.40	100	Vertical	Pass
1**	9942.500	29.70	9.75	54.0	-24.30	AV	146.40	100	Vertical	Pass
2	11859.250	42.43	12.01	74.0	-31.57	Peak	43.70	100	Vertical	Pass
2**	11859.250	32.64	12.01	54.0	-21.36	AV	43.70	100	Vertical	Pass
3	13234.250	45.36	14.18	74.0	-28.64	Peak	10.20	100	Vertical	Pass
3**	13234.250	35.49	14.18	54.0	-18.51	AV	10.20	100	Vertical	Pass
4	14185.750	50.99	19.69	74.0	-23.01	Peak	159.80	100	Vertical	Pass
4**	14185.750	40.40	19.69	54.0	-13.60	AV	159.80	100	Vertical	Pass
5	14768.750	50.49	18.79	74.0	-23.51	Peak	111.80	100	Vertical	Pass
5**	14768.750	40.02	18.79	54.0	-13.98	AV	111.80	100	Vertical	Pass
6	17997.251	58.11	27.75	74.0	-15.89	Peak	159.80	100	Vertical	Pass
6**	17997.251	49.60	27.75	54.0	-4.40	AV	159.80	100	Vertical	Pass

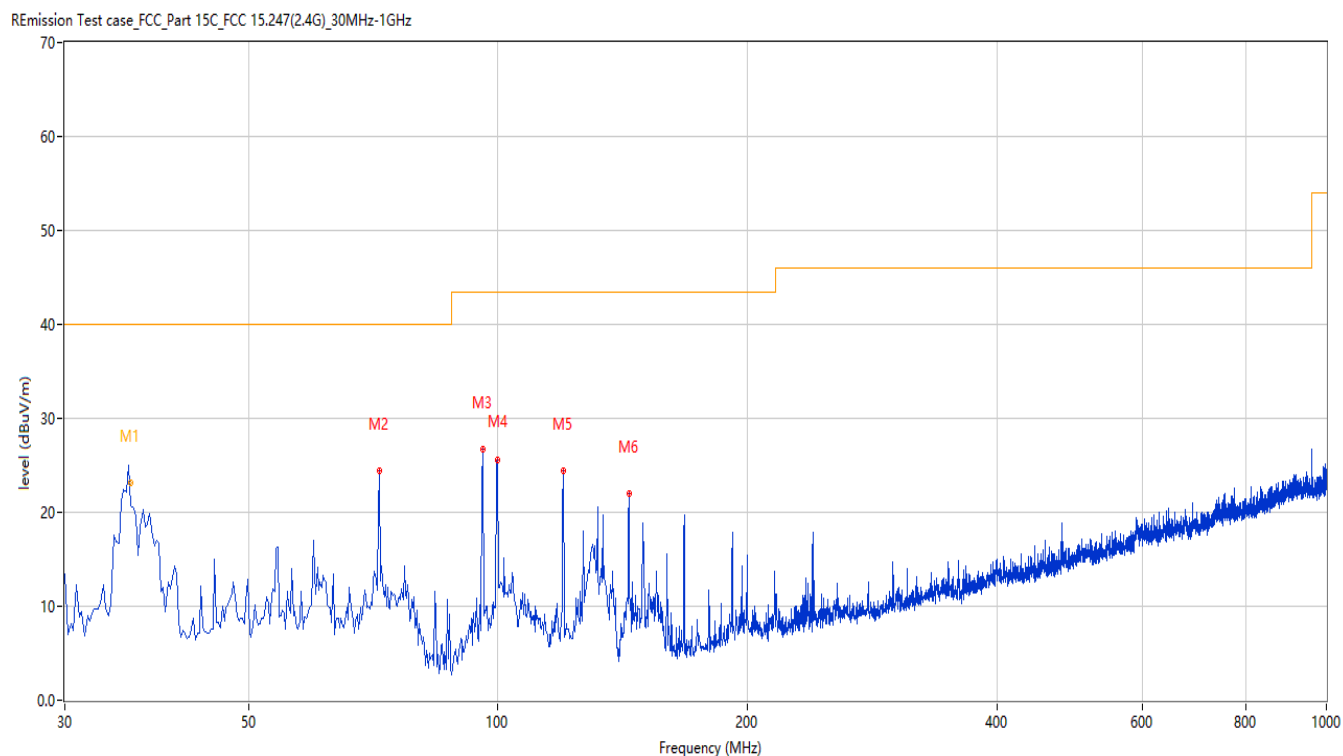
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Figure 32: Radiated Emission, BLE-2M, 2402MHz_30MHz_1GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	35.999	32.14	-27.78	40.0	-7.86	Peak	0.00	197	Horizontal	Pass
1*	35.999	23.16	-27.78	40.0	-16.84	QP	0.00	197	Horizontal	Pass
2	71.942	24.37	-30.08	40.0	-15.63	Peak	195.70	200	Horizontal	Pass
3	95.944	26.77	-27.17	43.5	-16.73	Peak	0.00	200	Horizontal	Pass
4	99.823	25.51	-26.67	43.5	-17.99	Peak	32.70	200	Horizontal	Pass
5	119.945	24.48	-28.31	43.5	-19.02	Peak	98.20	200	Horizontal	Pass
6	143.947	21.99	-30.00	43.5	-21.51	Peak	60.20	200	Horizontal	Pass

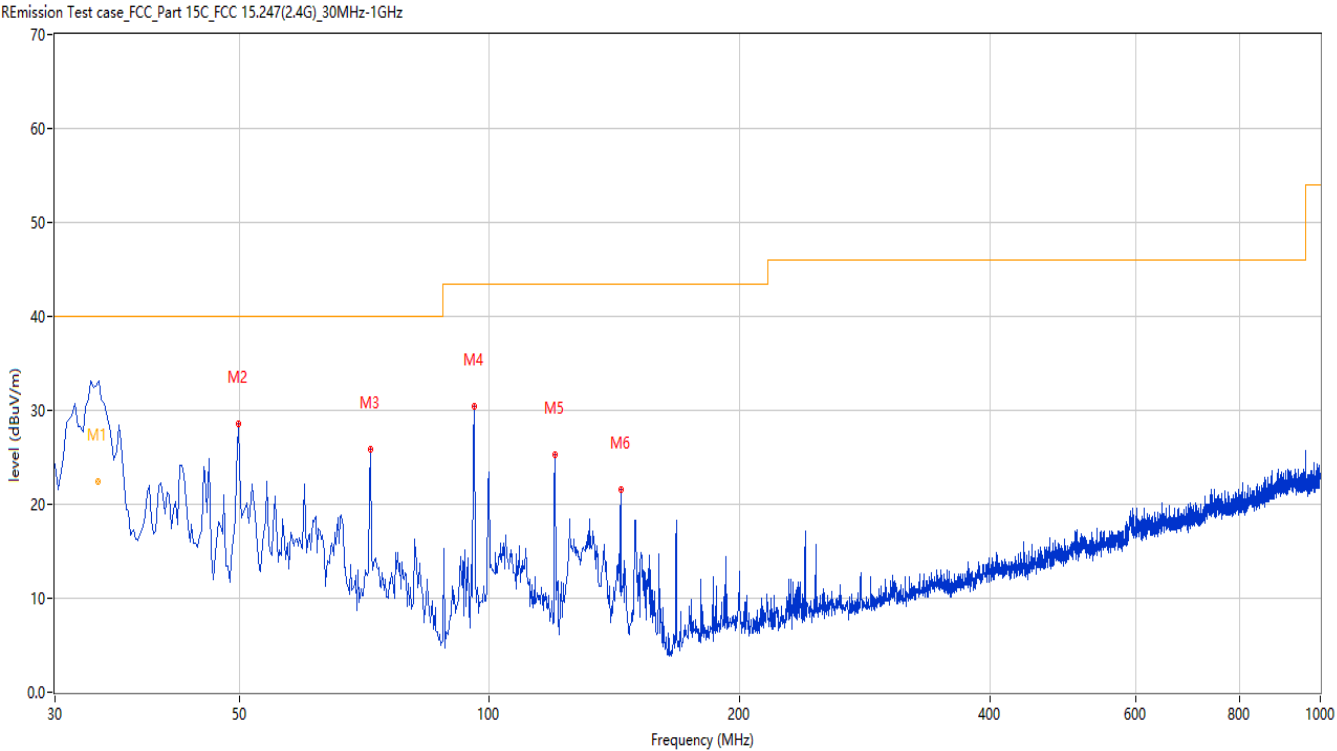
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Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	33.799	35.77	-28.44	40.0	-4.23	Peak	118.00	104	Vertical	Pass
1*	33.799	22.37	-28.44	40.0	-17.63	QP	118.00	104	Vertical	Pass
2	49.880	28.59	-25.02	40.0	-11.41	Peak	224.90	100	Vertical	Pass
3	71.942	25.91	-30.08	40.0	-14.09	Peak	71.50	100	Vertical	Pass
4	95.944	30.49	-27.17	43.5	-13.01	Peak	48.80	100	Vertical	Pass
5	119.945	25.25	-28.31	43.5	-18.25	Peak	359.50	100	Vertical	Pass
6	143.947	21.60	-30.00	43.5	-21.90	Peak	0.40	100	Vertical	Pass

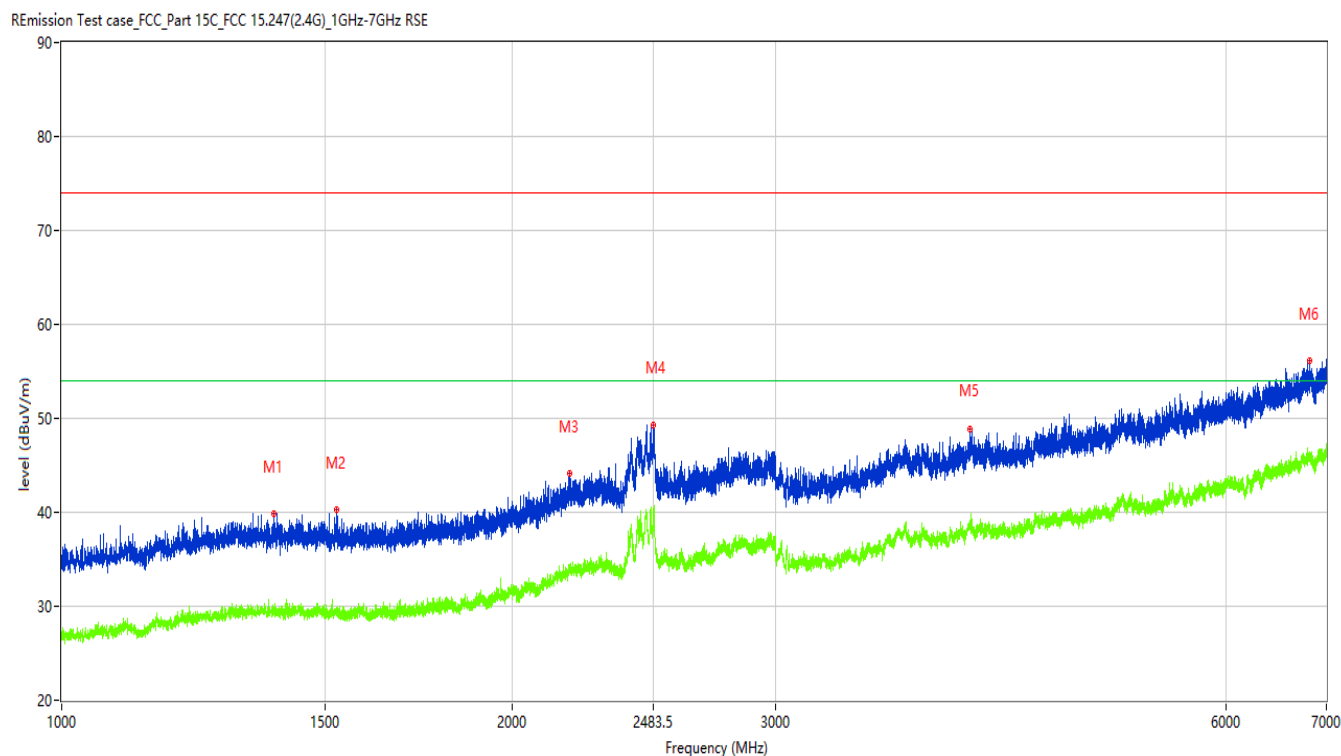
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Figure 33: Radiated Emission, BLE-2M, 2402MHz_1GHz_7GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1386.500	39.92	-12.72	74.0	-34.08	Peak	319.70	100	Horizontal	Pass
1**	1386.500	29.82	-12.72	54.0	-24.18	AV	319.70	100	Horizontal	Pass
2	1527.250	40.26	-13.02	74.0	-33.74	Peak	134.90	100	Horizontal	Pass
2**	1527.250	29.66	-13.02	54.0	-24.34	AV	134.90	100	Horizontal	Pass
3	2185.750	44.18	-8.08	74.0	-29.82	Peak	214.70	100	Horizontal	Pass
3**	2185.750	34.42	-8.08	54.0	-19.58	AV	214.70	100	Horizontal	Pass
4	2485.500	49.26	-1.92	74.0	-24.74	Peak	237.00	100	Horizontal	Pass
4**	2485.500	40.14	-1.92	54.0	-13.86	AV	237.00	100	Horizontal	Pass
5	4047.500	48.79	-0.85	74.0	-25.21	Peak	152.10	100	Horizontal	Pass
5**	4047.500	38.54	-0.85	54.0	-15.46	AV	152.10	100	Horizontal	Pass
6	6819.000	56.08	5.11	74.0	-17.92	Peak	152.10	100	Horizontal	Pass
6**	6819.000	46.44	5.11	54.0	-7.56	AV	152.10	100	Horizontal	Pass

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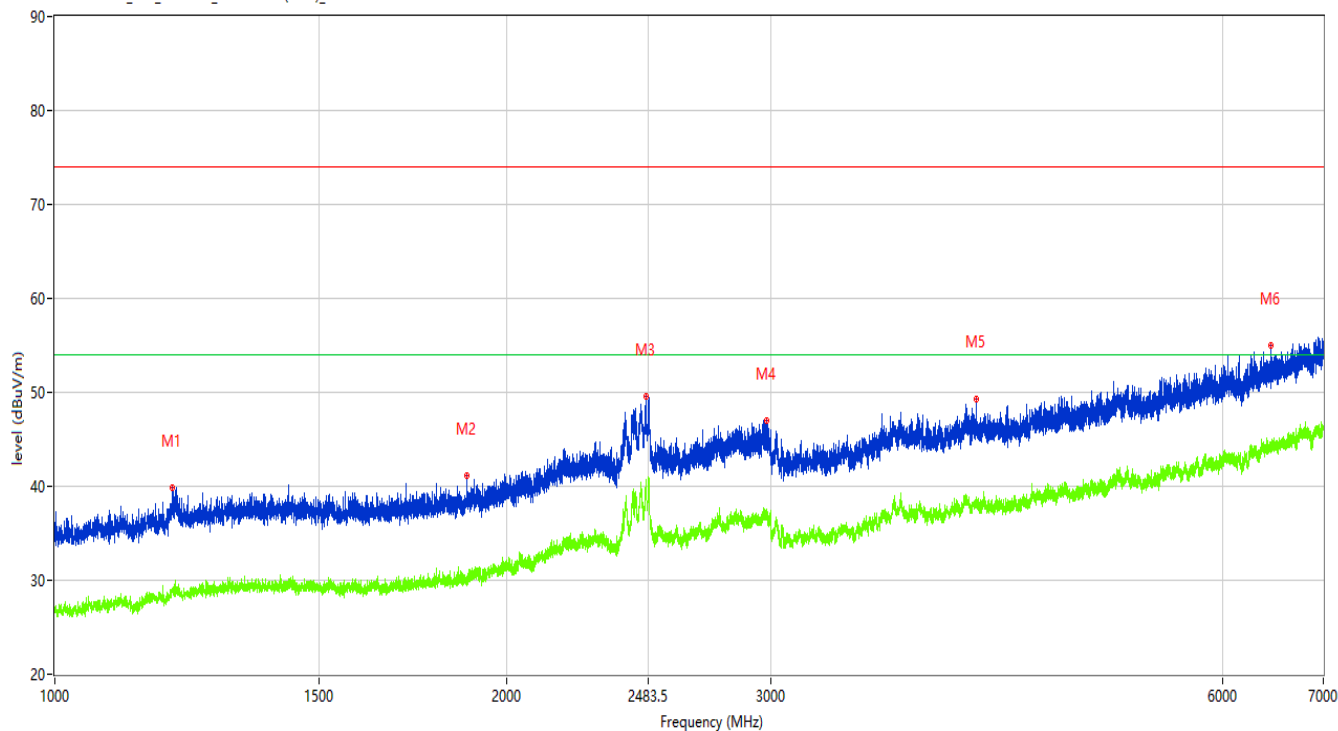
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1197.250	39.80	-13.48	74.0	-34.20	Peak	113.60	100	Vertical	Pass
1**	1197.250	28.72	-13.48	54.0	-25.28	AV	113.60	100	Vertical	Pass
2	1882.500	41.07	-11.92	74.0	-32.93	Peak	1.70	100	Vertical	Pass
2**	1882.500	30.37	-11.92	54.0	-23.63	AV	1.70	100	Vertical	Pass
3	2476.250	49.63	-2.10	74.0	-24.37	Peak	43.60	100	Vertical	Pass
3**	2476.250	40.16	-2.10	54.0	-13.84	AV	43.60	100	Vertical	Pass
4	2978.500	46.95	-3.22	74.0	-27.05	Peak	217.80	100	Vertical	Pass
4**	2978.500	36.98	-3.22	54.0	-17.02	AV	217.80	100	Vertical	Pass
5	4111.500	49.30	-1.07	74.0	-24.70	Peak	312.10	100	Vertical	Pass
5**	4111.500	38.84	-1.07	54.0	-15.16	AV	312.10	100	Vertical	Pass
6	6454.000	54.96	3.82	74.0	-19.04	Peak	299.40	100	Vertical	Pass
6**	6454.000	44.51	3.82	54.0	-9.49	AV	299.40	100	Vertical	Pass

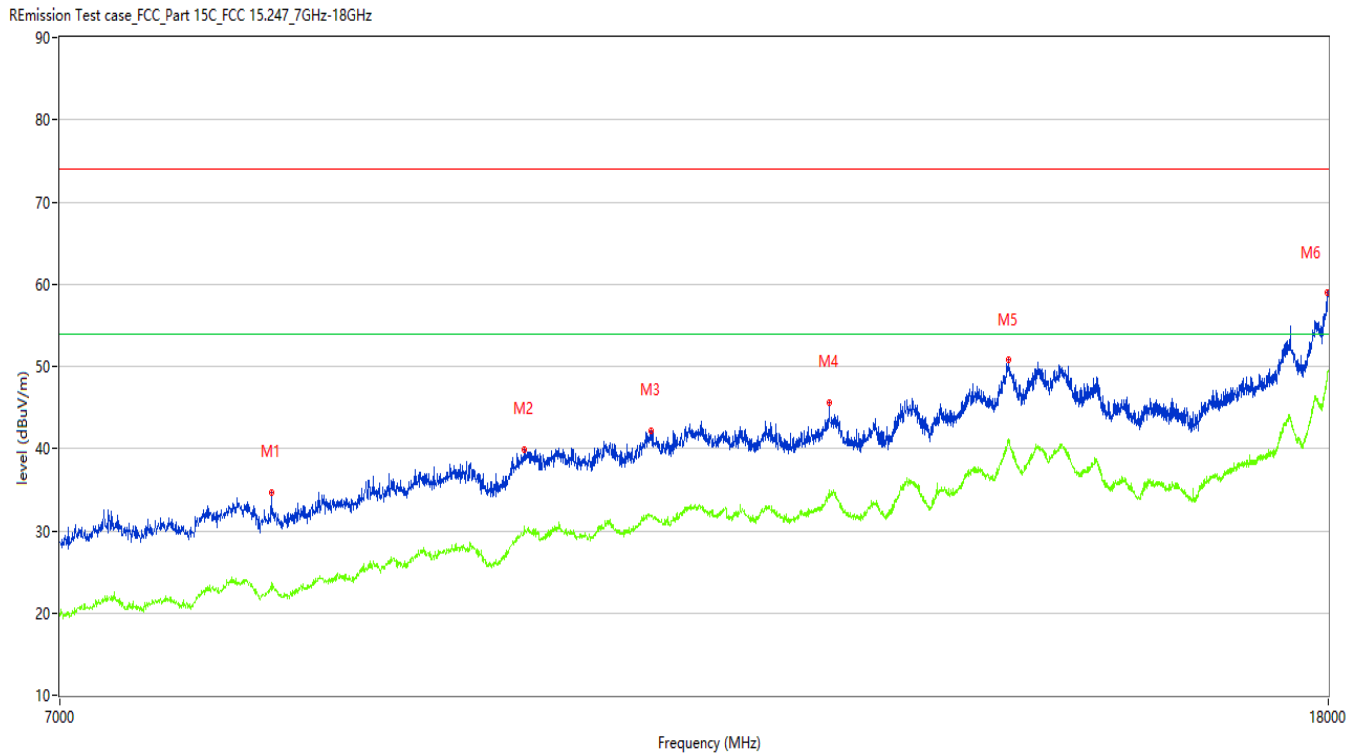
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Figure 34: Radiated Emission, BLE-2M, 2402MHz_7GHz_18GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8193.202	34.64	3.60	74.0	-39.36	Peak	264.30	100	Horizontal	Pass
1**	8193.202	23.79	3.60	54.0	-30.21	AV	264.30	100	Horizontal	Pass
2	9889.528	39.89	9.53	74.0	-34.11	Peak	264.30	100	Horizontal	Pass
2**	9889.528	29.80	9.53	54.0	-24.20	AV	264.30	100	Horizontal	Pass
3	10868.283	42.24	11.12	74.0	-31.76	Peak	206.50	100	Horizontal	Pass
3**	10868.283	31.91	11.12	54.0	-22.09	AV	206.50	100	Horizontal	Pass
4	12416.146	45.59	12.33	74.0	-28.41	Peak	73.90	100	Horizontal	Pass
4**	12416.146	34.90	12.33	54.0	-19.10	AV	73.90	100	Horizontal	Pass
5	14189.453	50.80	19.73	74.0	-23.20	Peak	279.60	100	Horizontal	Pass
5**	14189.453	40.93	19.73	54.0	-13.07	AV	279.60	100	Horizontal	Pass
6	17991.752	59.06	27.41	74.0	-14.94	Peak	284.80	100	Horizontal	Pass
6**	17991.752	49.29	27.41	54.0	-4.71	AV	284.80	100	Horizontal	Pass

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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9380.905	39.17	7.65	74.0	-34.83	Peak	240.10	100	Vertical	Pass
1**	9380.905	27.92	7.65	54.0	-26.08	AV	240.10	100	Vertical	Pass
2	10453.137	41.66	9.47	74.0	-32.34	Peak	341.30	100	Vertical	Pass
2**	10453.137	30.62	9.47	54.0	-23.38	AV	341.30	100	Vertical	Pass
3	12460.135	45.55	12.54	74.0	-28.45	Peak	220.00	100	Vertical	Pass
3**	12460.135	34.76	12.54	54.0	-19.24	AV	220.00	100	Vertical	Pass
4	14189.453	51.25	19.73	74.0	-22.75	Peak	317.10	100	Vertical	Pass
4**	14189.453	40.83	19.73	54.0	-13.17	AV	317.10	100	Vertical	Pass
5	14500.125	51.95	17.71	74.0	-22.05	Peak	161.20	100	Vertical	Pass
5**	14500.125	41.05	17.71	54.0	-12.95	AV	161.20	100	Vertical	Pass
6	17991.752	58.47	27.41	74.0	-15.53	Peak	30.90	100	Vertical	Pass
6**	17991.752	49.41	27.41	54.0	-4.59	AV	30.90	100	Vertical	Pass

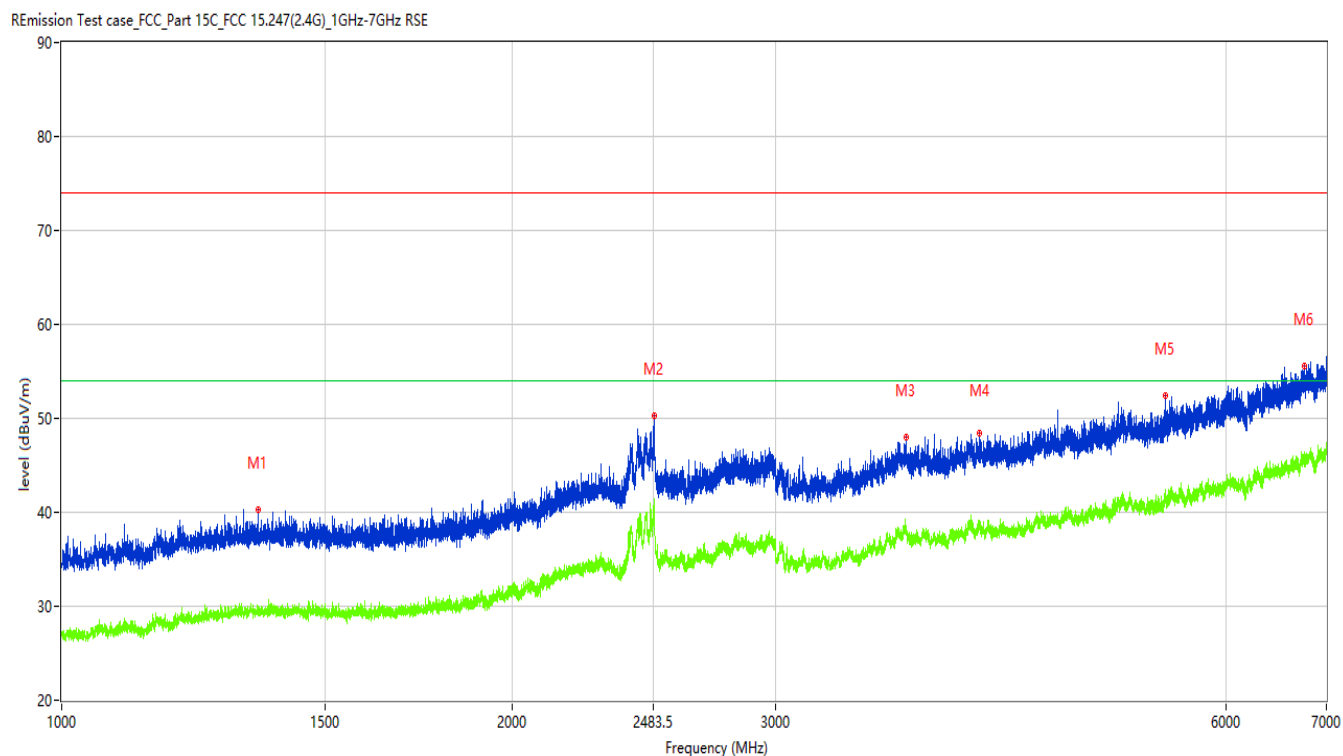
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Figure 35: Radiated Emission, BLE-2M, 2440MHz_1GHz_7GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1353.000	40.28	-12.73	74.0	-33.72	Peak	36.90	100	Horizontal	Pass
1**	1353.000	29.56	-12.73	54.0	-24.44	AV	36.90	100	Horizontal	Pass
2	2487.750	50.28	-1.88	74.0	-23.72	Peak	0.00	100	Horizontal	Pass
2**	2487.750	41.02	-1.88	54.0	-12.98	AV	0.00	100	Horizontal	Pass
3	3669.500	48.06	-1.78	74.0	-25.94	Peak	2.60	100	Horizontal	Pass
3**	3669.500	37.95	-1.78	54.0	-16.05	AV	2.60	100	Horizontal	Pass
4	4104.500	48.39	-0.94	74.0	-25.61	Peak	180.00	100	Horizontal	Pass
4**	4104.500	38.30	-0.94	54.0	-15.70	AV	180.00	100	Horizontal	Pass
5	5468.000	52.38	1.09	74.0	-21.62	Peak	44.20	100	Horizontal	Pass
5**	5468.000	42.36	1.09	54.0	-11.64	AV	44.20	100	Horizontal	Pass
6	6763.500	55.52	4.99	74.0	-18.48	Peak	0.40	100	Horizontal	Pass
6**	6763.500	45.37	4.99	54.0	-8.63	AV	0.40	100	Horizontal	Pass

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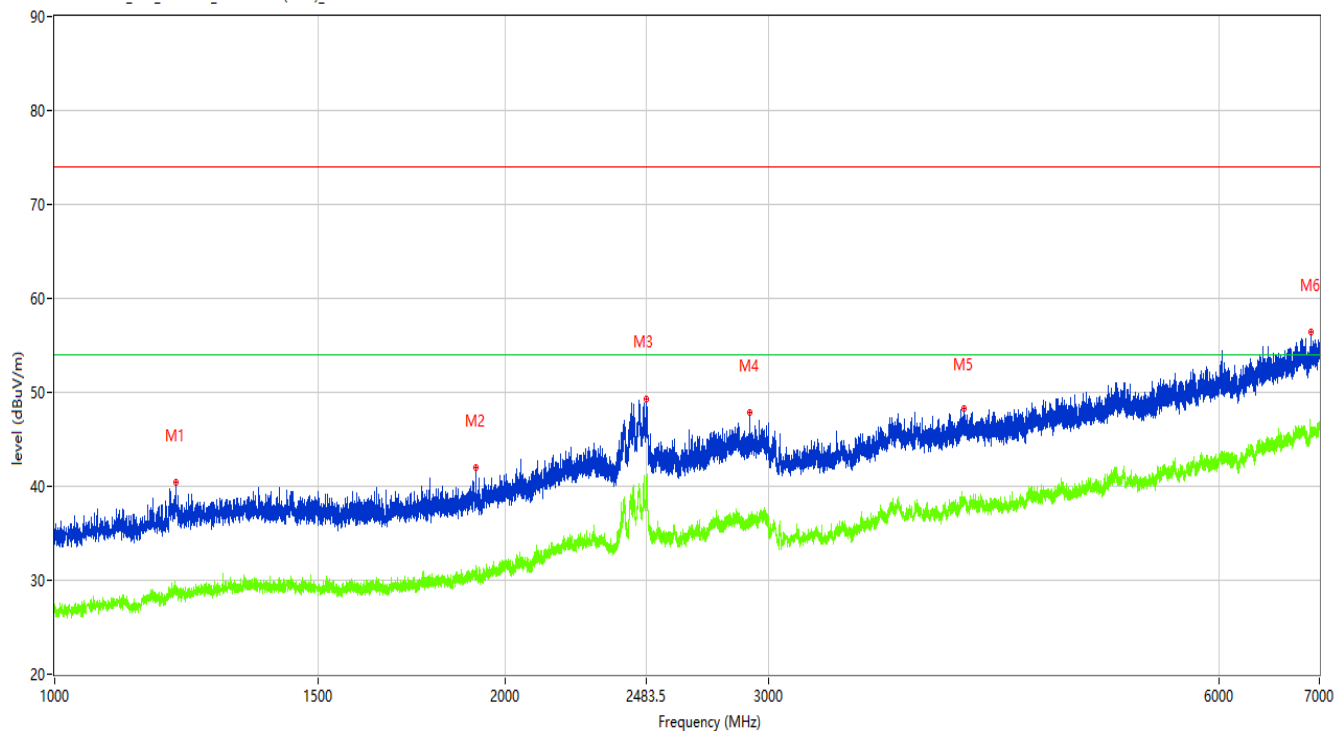
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1205.000	40.43	-13.58	74.0	-33.57	Peak	225.60	100	Vertical	Pass
1**	1205.000	29.06	-13.58	54.0	-24.94	AV	225.60	100	Vertical	Pass
2	1912.250	42.00	-11.67	74.0	-32.00	Peak	30.90	100	Vertical	Pass
2**	1912.250	31.54	-11.67	54.0	-22.46	AV	30.90	100	Vertical	Pass
3	2485.250	49.29	-1.92	74.0	-24.71	Peak	317.10	100	Vertical	Pass
3**	2485.250	40.52	-1.92	54.0	-13.48	AV	317.10	100	Vertical	Pass
4	2914.000	47.83	-4.08	74.0	-26.17	Peak	360.00	100	Vertical	Pass
4**	2914.000	36.74	-4.08	54.0	-17.26	AV	360.00	100	Vertical	Pass
5	4054.000	48.33	-0.77	74.0	-25.67	Peak	164.30	100	Vertical	Pass
5**	4054.000	38.77	-0.77	54.0	-15.23	AV	164.30	100	Vertical	Pass
6	6908.000	56.39	5.08	74.0	-17.61	Peak	246.20	100	Vertical	Pass
6**	6908.000	46.24	5.08	54.0	-7.76	AV	246.20	100	Vertical	Pass

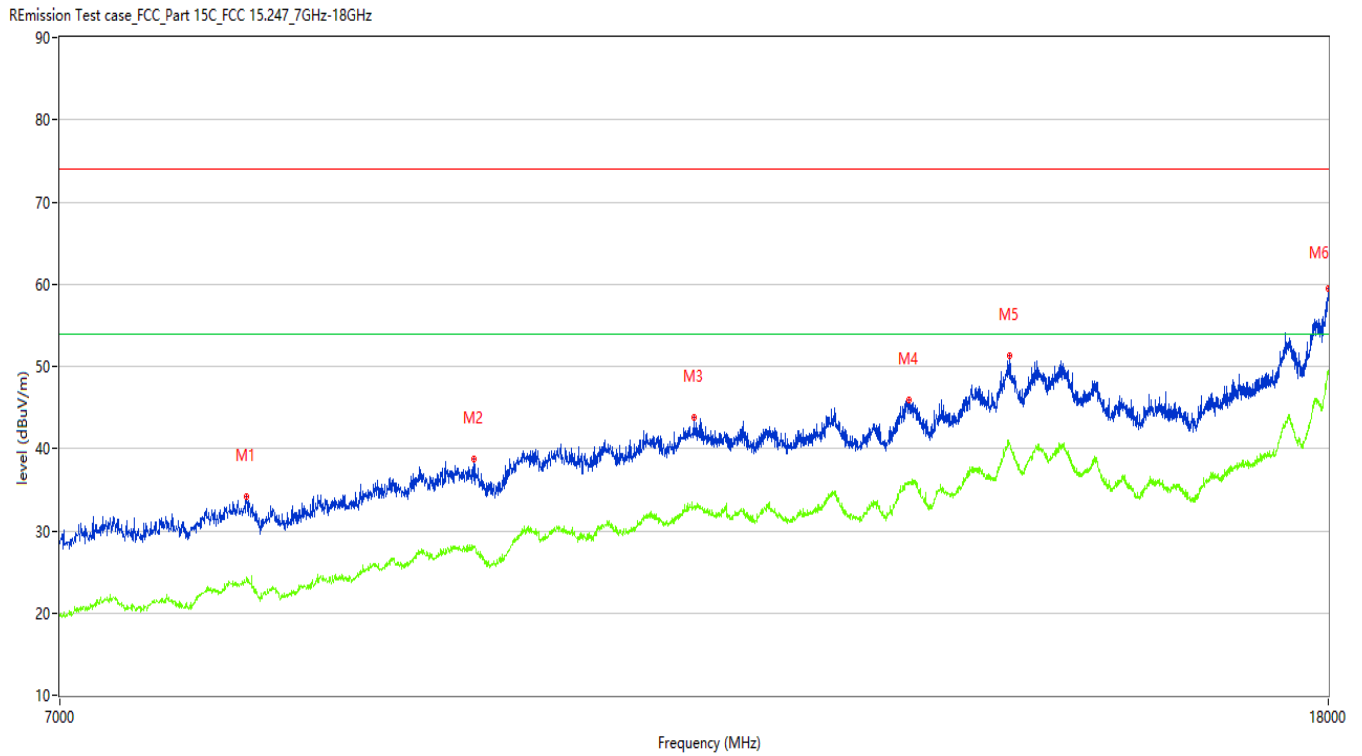
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Figure 36: Radiated Emission, BLE-2M, 2440MHz_7GHz_18GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8044.739	34.15	4.57	74.0	-39.85	Peak	230.00	100	Horizontal	Pass
1**	8044.739	24.34	4.57	54.0	-29.66	AV	230.00	100	Horizontal	Pass
2	9526.618	38.81	8.11	74.0	-35.19	Peak	359.90	100	Horizontal	Pass
2**	9526.618	28.02	8.11	54.0	-25.98	AV	359.90	100	Horizontal	Pass
3	11222.944	43.86	11.53	74.0	-30.14	Peak	65.20	100	Horizontal	Pass
3**	11222.944	33.09	11.53	54.0	-20.91	AV	65.20	100	Horizontal	Pass
4	13169.458	45.84	14.02	74.0	-28.16	Peak	55.10	100	Horizontal	Pass
4**	13169.458	35.68	14.02	54.0	-18.32	AV	55.10	100	Horizontal	Pass
5	14203.199	51.26	19.42	74.0	-22.74	Peak	7.90	100	Horizontal	Pass
5**	14203.199	40.74	19.42	54.0	-13.26	AV	7.90	100	Horizontal	Pass
6	18000.000	59.42	27.92	74.0	-14.58	Peak	45.50	100	Horizontal	Pass
6**	18000.000	49.51	27.92	54.0	-4.49	AV	45.50	100	Horizontal	Pass

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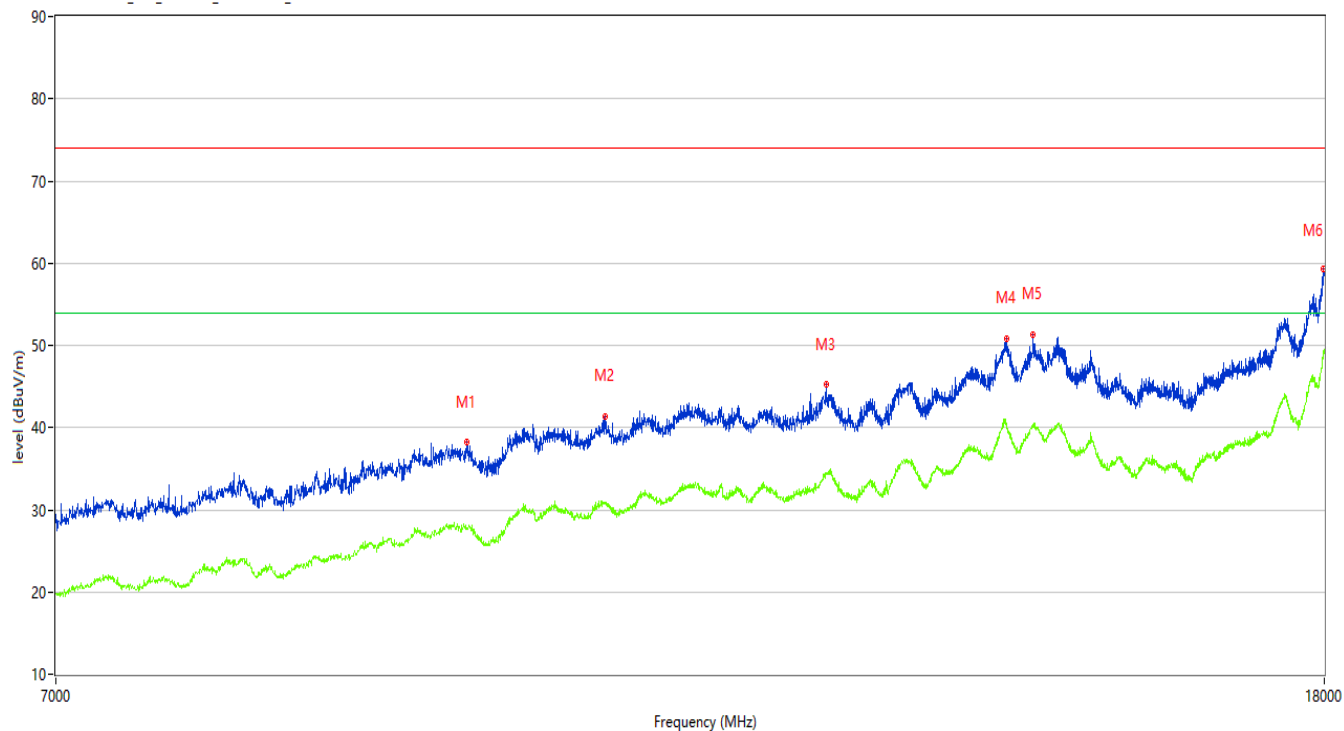
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9504.624	38.19	7.94	74.0	-35.81	Peak	100.50	100	Vertical	Pass
1**	9504.624	27.77	7.94	54.0	-26.23	AV	100.50	100	Vertical	Pass
2	10535.616	41.41	10.26	74.0	-32.59	Peak	24.20	100	Vertical	Pass
2**	10535.616	30.95	10.26	54.0	-23.05	AV	24.20	100	Vertical	Pass
3	12421.645	45.21	12.36	74.0	-28.79	Peak	314.10	100	Vertical	Pass
3**	12421.645	34.43	12.36	54.0	-19.57	AV	314.10	100	Vertical	Pass
4	14205.949	50.89	19.36	74.0	-23.11	Peak	2.90	100	Vertical	Pass
4**	14205.949	40.08	19.36	54.0	-13.92	AV	2.90	100	Vertical	Pass
5	14489.128	51.38	17.78	74.0	-22.62	Peak	100.50	100	Vertical	Pass
5**	14489.128	40.36	17.78	54.0	-13.64	AV	100.50	100	Vertical	Pass
6	17991.752	59.37	27.41	74.0	-14.63	Peak	227.40	100	Vertical	Pass
6**	17991.752	49.39	27.41	54.0	-4.61	AV	227.40	100	Vertical	Pass

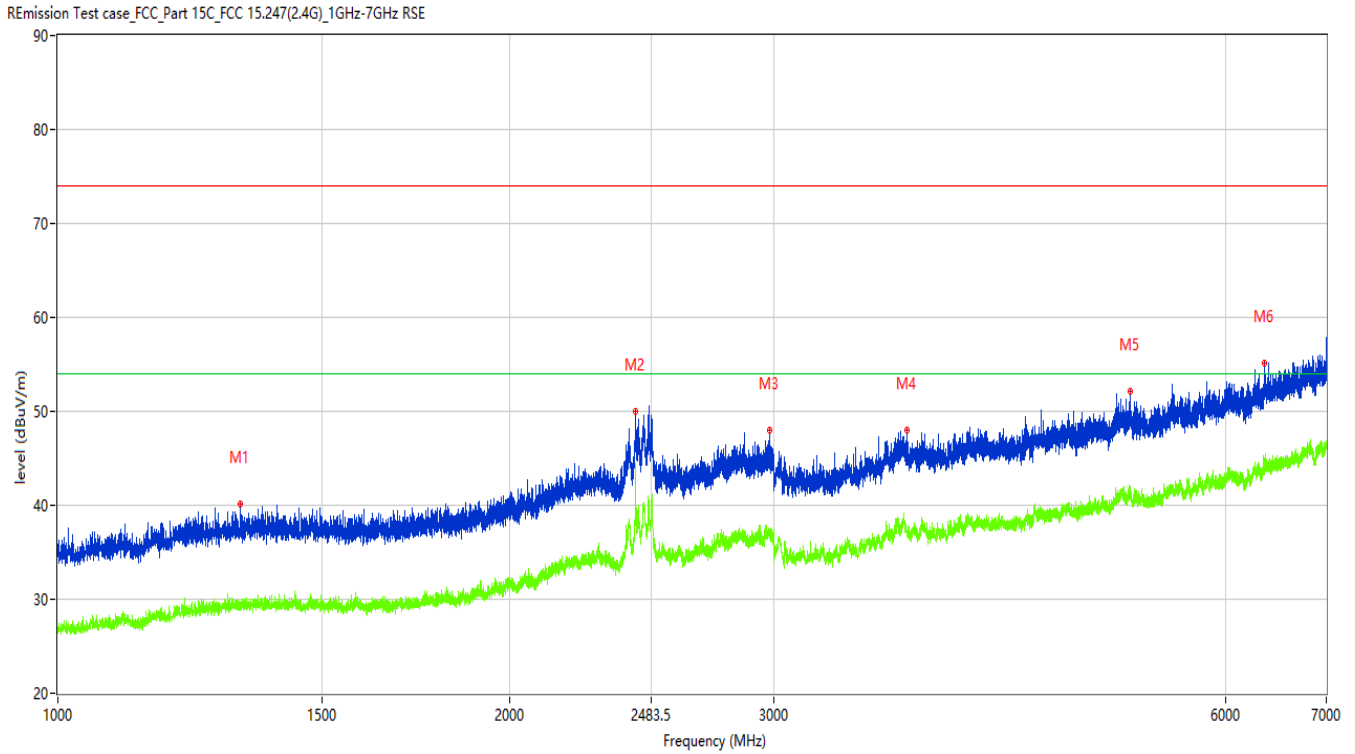
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Figure 37: Radiated Emission, BLE-2M, 2480MHz_1GHz_7GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1322.750	40.16	-12.94	74.0	-33.84	Peak	330.50	100	Horizontal	Pass
1**	1322.750	29.39	-12.94	54.0	-24.61	AV	330.50	100	Horizontal	Pass
2	2425.750	50.02	-3.40	74.0	-23.98	Peak	273.20	100	Horizontal	Pass
2**	2425.750	44.47	-3.40	54.0	-9.53	AV	273.20	100	Horizontal	Pass
3	2980.750	48.03	-3.20	74.0	-25.97	Peak	162.60	100	Horizontal	Pass
3**	2980.750	37.30	-3.20	54.0	-16.70	AV	162.60	100	Horizontal	Pass
4	3681.500	47.98	-2.00	74.0	-26.02	Peak	196.10	100	Horizontal	Pass
4**	3681.500	37.01	-2.00	54.0	-16.99	AV	196.10	100	Horizontal	Pass
5	5180.000	52.11	1.13	74.0	-21.89	Peak	69.50	100	Horizontal	Pass
5**	5180.000	41.56	1.13	54.0	-12.44	AV	69.50	100	Horizontal	Pass
6	6371.000	55.18	3.55	74.0	-18.82	Peak	26.00	100	Horizontal	Pass
6**	6371.000	45.00	3.55	54.0	-9.00	AV	26.00	100	Horizontal	Pass

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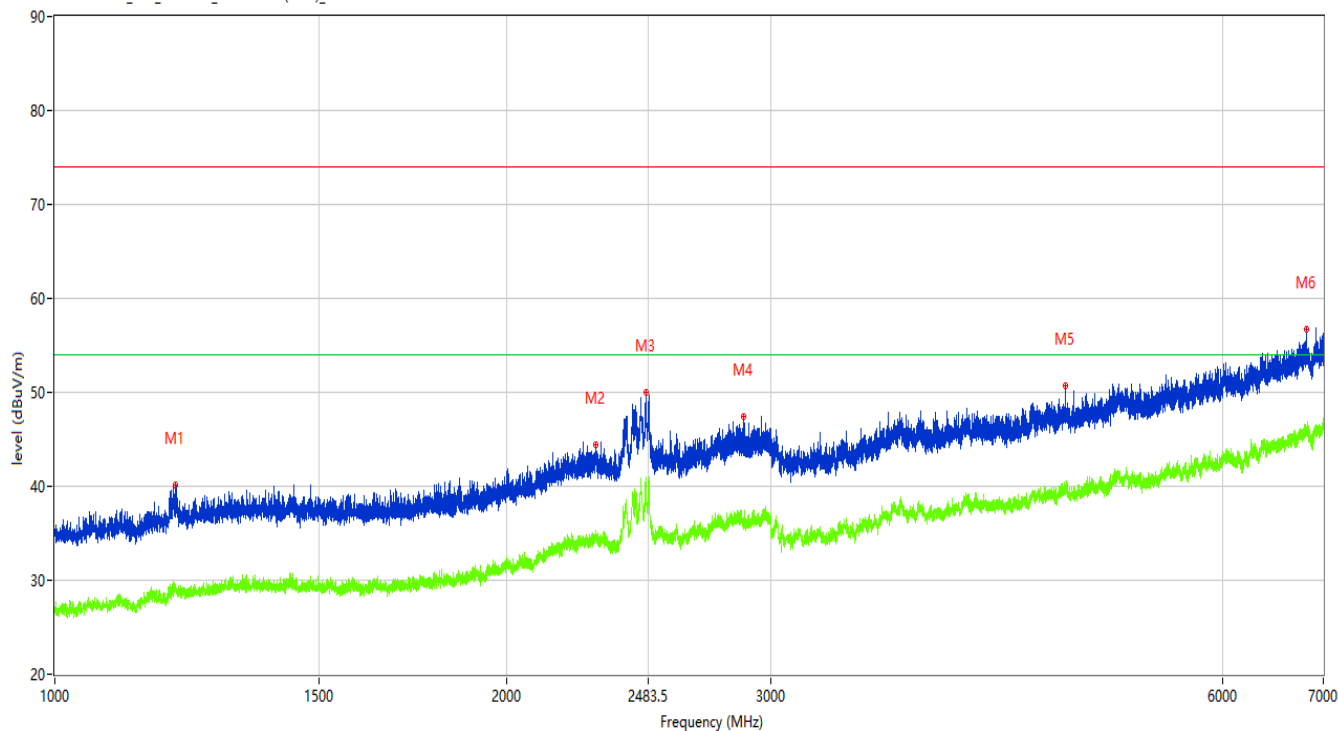
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247(2.4G)_1GHz-7GHz RSE



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	1203.250	40.14	-13.56	74.0	-33.86	Peak	96.10	100	Vertical	Pass
1**	1203.250	28.92	-13.56	54.0	-25.08	AV	96.10	100	Vertical	Pass
2	2292.250	44.44	-7.41	74.0	-29.56	Peak	266.20	100	Vertical	Pass
2**	2292.250	34.85	-7.41	54.0	-19.15	AV	266.20	100	Vertical	Pass
3	2475.000	49.94	-2.14	74.0	-24.06	Peak	28.00	100	Vertical	Pass
3**	2475.000	40.67	-2.14	54.0	-13.33	AV	28.00	100	Vertical	Pass
4	2876.500	47.41	-3.83	74.0	-26.59	Peak	141.50	100	Vertical	Pass
4**	2876.500	36.58	-3.83	54.0	-17.42	AV	141.50	100	Vertical	Pass
5	4710.500	50.66	-0.07	74.0	-23.34	Peak	267.00	100	Vertical	Pass
5**	4710.500	40.10	-0.07	54.0	-13.90	AV	267.00	100	Vertical	Pass
6	6825.000	56.68	5.10	74.0	-17.32	Peak	140.50	100	Vertical	Pass
6**	6825.000	45.97	5.10	54.0	-8.03	AV	140.50	100	Vertical	Pass

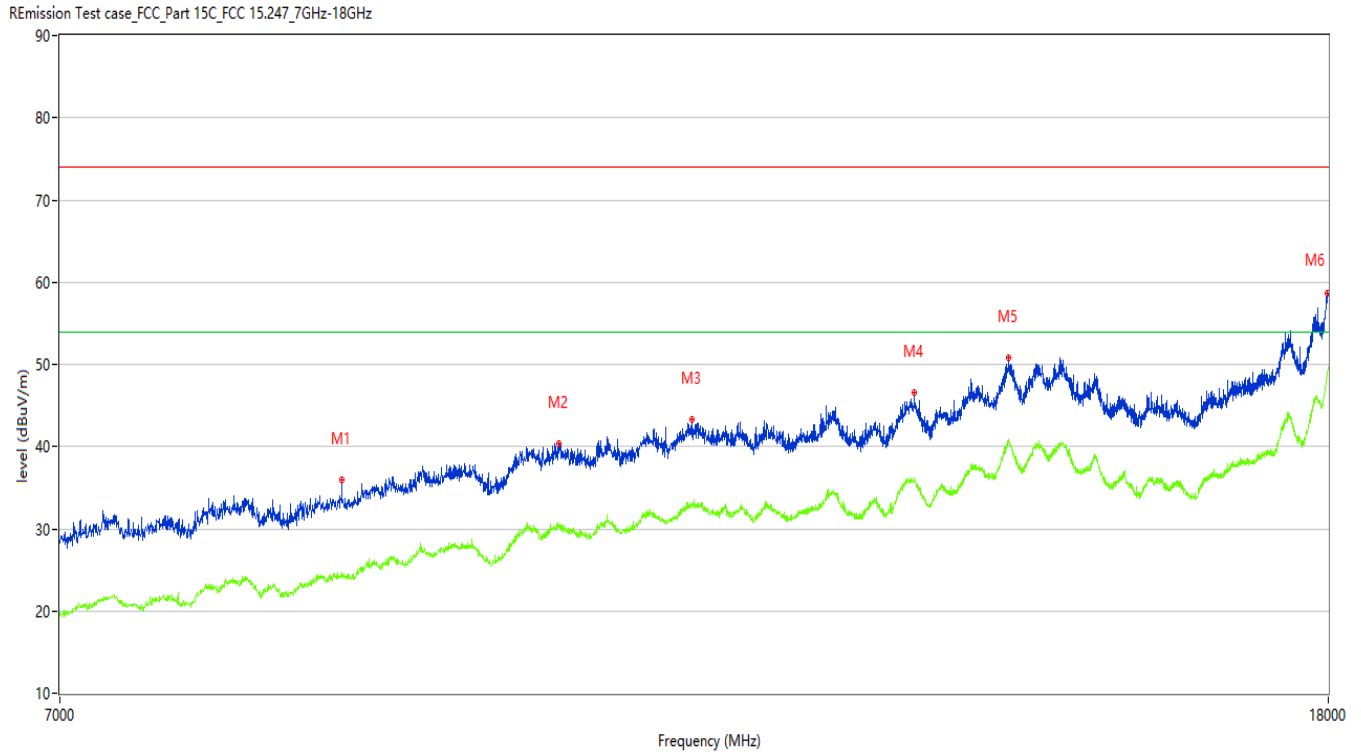
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Figure 38: Radiated Emission, BLE-2M, 2480MHz_7GHz_18GHz
Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	8635.841	36.04	4.70	74.0	-37.96	Peak	0.30	100	Horizontal	Pass
1**	8635.841	24.62	4.70	54.0	-29.38	AV	0.30	100	Horizontal	Pass
2	10147.963	40.42	9.25	74.0	-33.58	Peak	311.90	100	Horizontal	Pass
2**	10147.963	30.31	9.25	54.0	-23.69	AV	311.90	100	Horizontal	Pass
3	11203.699	43.31	11.30	74.0	-30.69	Peak	0.00	100	Horizontal	Pass
3**	11203.699	32.97	11.30	54.0	-21.03	AV	0.00	100	Horizontal	Pass
4	13224.444	46.59	14.16	74.0	-27.41	Peak	286.60	100	Horizontal	Pass
4**	13224.444	36.06	14.16	54.0	-17.94	AV	286.60	100	Horizontal	Pass
5	14189.453	50.78	19.73	74.0	-23.22	Peak	225.20	100	Horizontal	Pass
5**	14189.453	40.72	19.73	54.0	-13.28	AV	225.20	100	Horizontal	Pass
6	17989.003	58.73	27.24	74.0	-15.27	Peak	54.80	100	Horizontal	Pass
6**	17989.003	49.23	27.24	54.0	-4.77	AV	54.80	100	Horizontal	Pass

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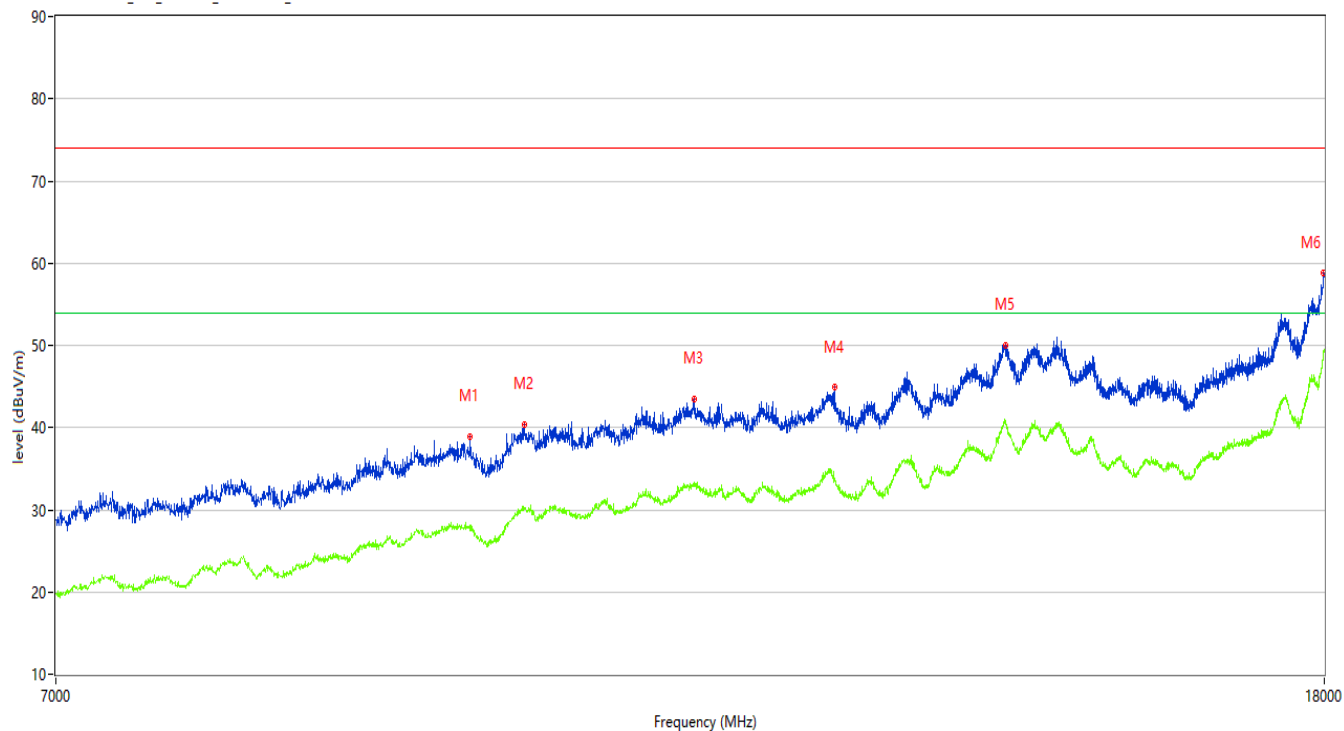
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Vertical polarization

REmission Test case_FCC_Part 15C_FCC 15.247_7GHz-18GHz



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	9529.368	38.90	8.12	74.0	-35.10	Peak	287.40	100	Vertical	Pass
1**	9529.368	27.50	8.12	54.0	-26.50	AV	287.40	100	Vertical	Pass
2	9919.770	40.44	9.91	74.0	-33.56	Peak	116.20	100	Vertical	Pass
2**	9919.770	30.14	9.91	54.0	-23.86	AV	116.20	100	Vertical	Pass
3	11264.184	43.51	12.08	74.0	-30.49	Peak	330.90	100	Vertical	Pass
3**	11264.184	33.42	12.08	54.0	-20.58	AV	330.90	100	Vertical	Pass
4	12498.625	44.88	11.77	74.0	-29.12	Peak	359.50	100	Vertical	Pass
4**	12498.625	33.84	11.77	54.0	-20.16	AV	359.50	100	Vertical	Pass
5	14197.701	50.07	19.55	74.0	-23.93	Peak	263.20	100	Vertical	Pass
5**	14197.701	40.92	19.55	54.0	-13.08	AV	263.20	100	Vertical	Pass
6	17991.752	58.79	27.41	74.0	-15.21	Peak	37.70	100	Vertical	Pass
6**	17991.752	49.07	27.41	54.0	-4.93	AV	37.70	100	Vertical	Pass

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4.1.7 Band Edge (Restricted-band band-edge)

RESULT:

PASS

Test standard	: FCC Part 15.247(d), 15.205, 15.209
Requirement	: ANSI C63.10-2013 clause 11.13, KDB 558074 clause 8.7
Kind of test site	: 3m Semi-Anechoic Chamber

Test setup

Test Channel	: Low/Middle/High
Operation Mode	: A.1
Ambient temperature	: 24.5°C
Relative humidity	: 53%

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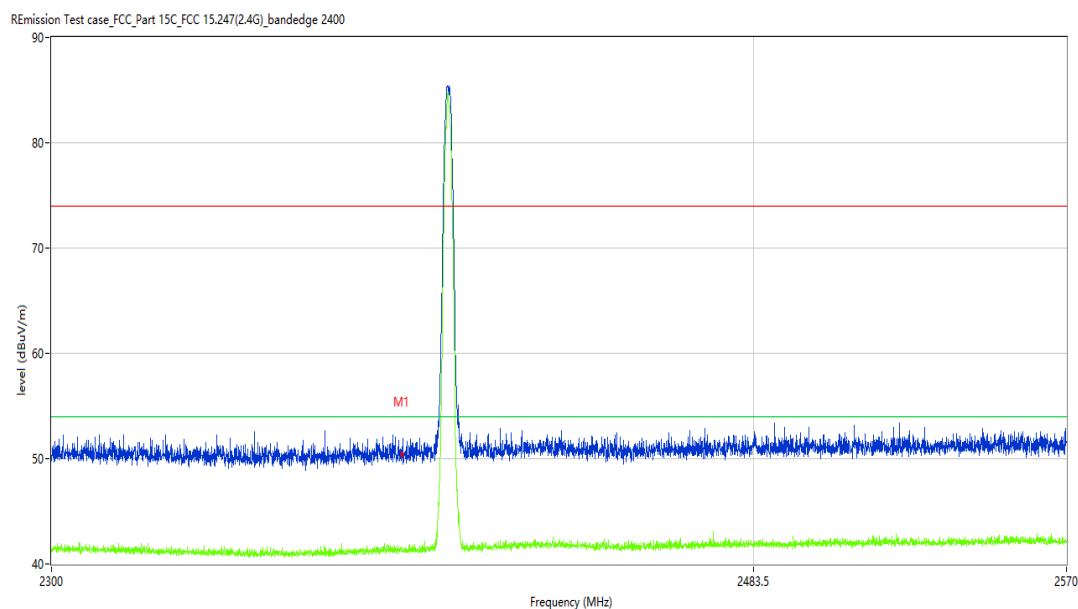
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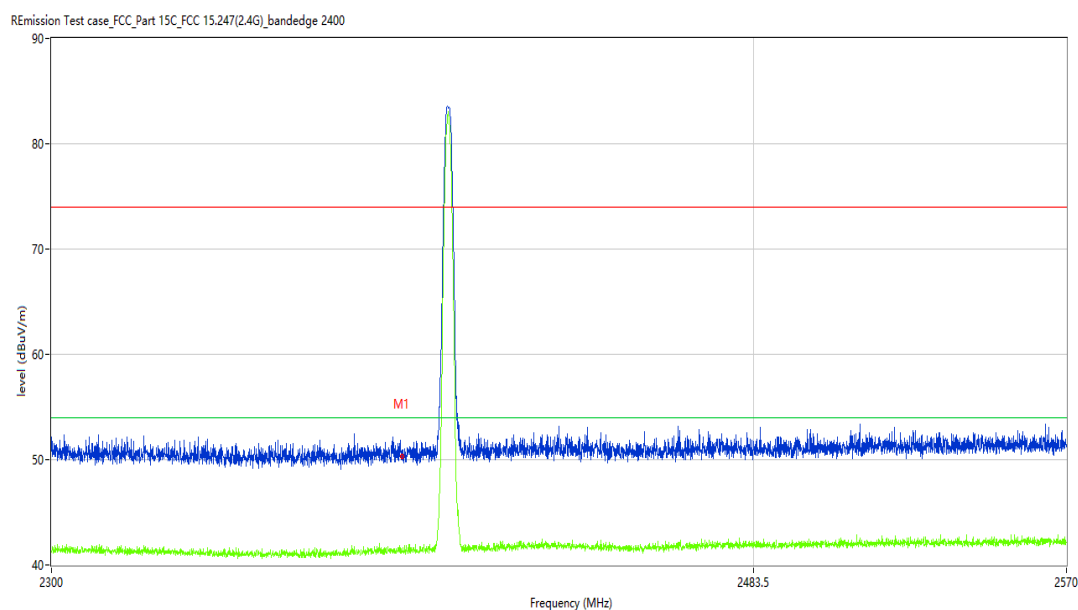
Figure 39: Band Edge, BLE-1M, 2402MHz

Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.48	-9.96	74.0	-23.52	Peak	63.73	100	Horizontal	Pass
1**	2390.000	41.25	-9.96	54.0	-12.75	AV	63.73	100	Horizontal	Pass

Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.40	-9.96	74.0	-23.60	Peak	275.94	100	Vertical	Pass
1**	2390.000	41.30	-9.96	54.0	-12.70	AV	275.94	100	Vertical	Pass

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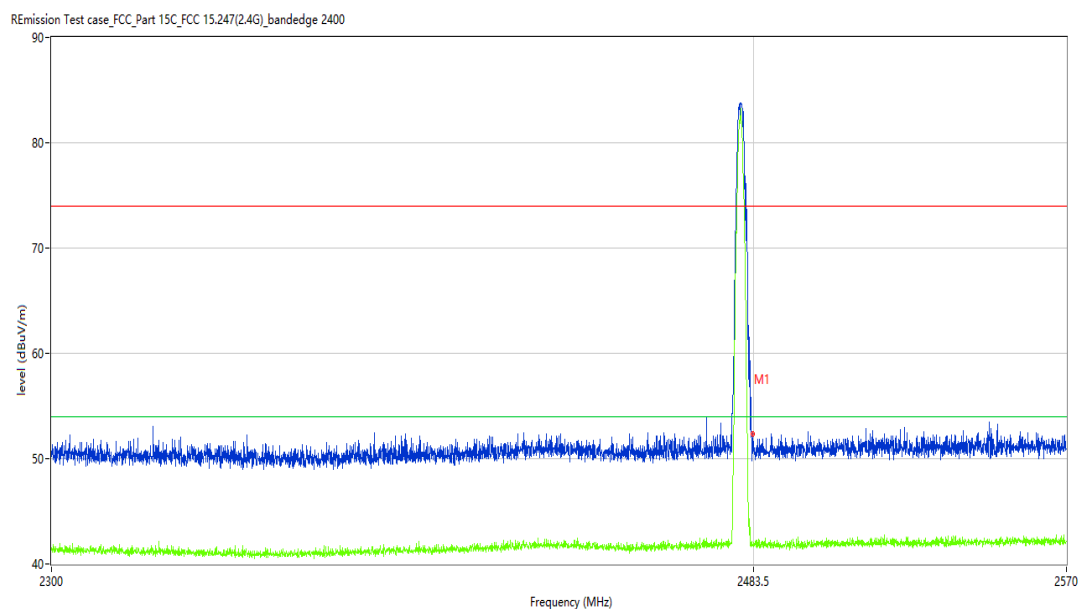
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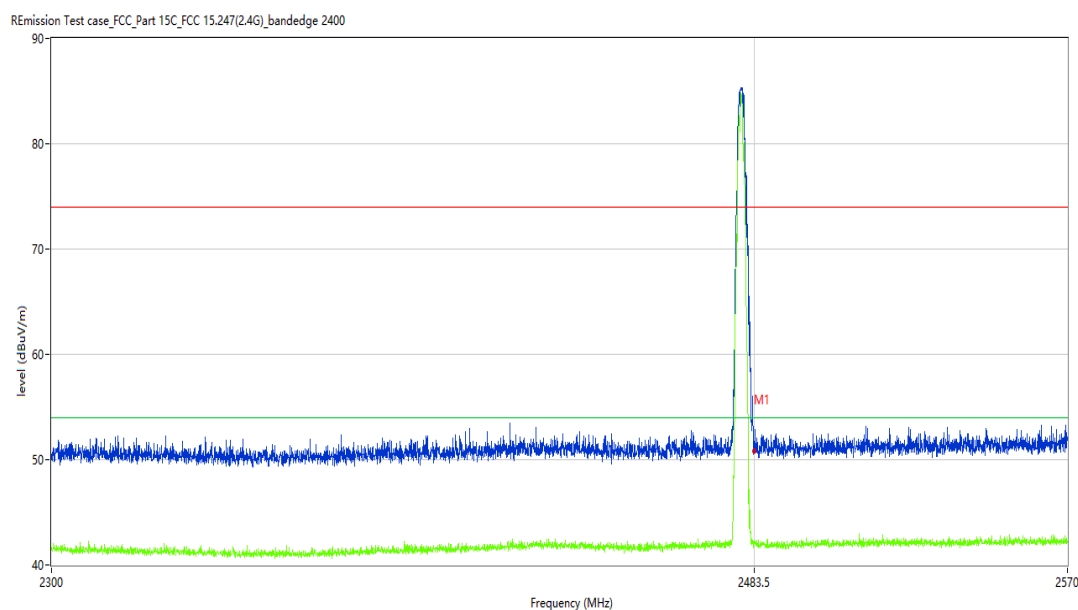
Figure 40: Band Edge, BLE-1M, 2480MHz

Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.37	-9.51	74.0	-23.63	Peak	319.70	100	Horizontal	Pass
1**	2483.500	41.80	-9.51	54.0	-12.20	AV	319.70	100	Horizontal	Pass

Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.80	-9.51	74.0	-23.20	Peak	277.82	100	Vertical	Pass
1**	2483.500	41.91	-9.51	54.0	-12.09	AV	277.82	100	Vertical	Pass

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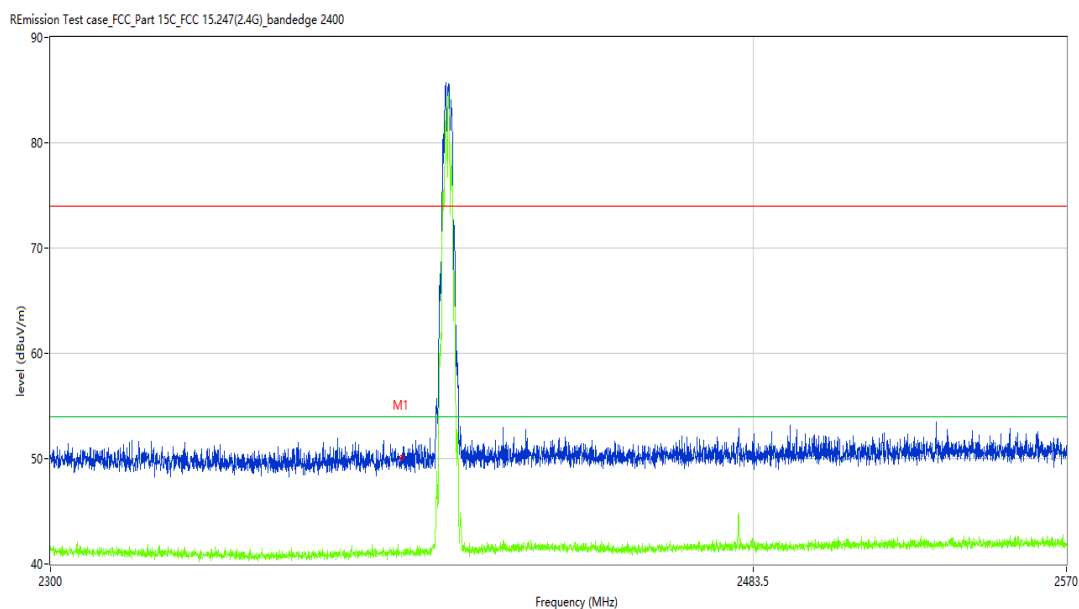
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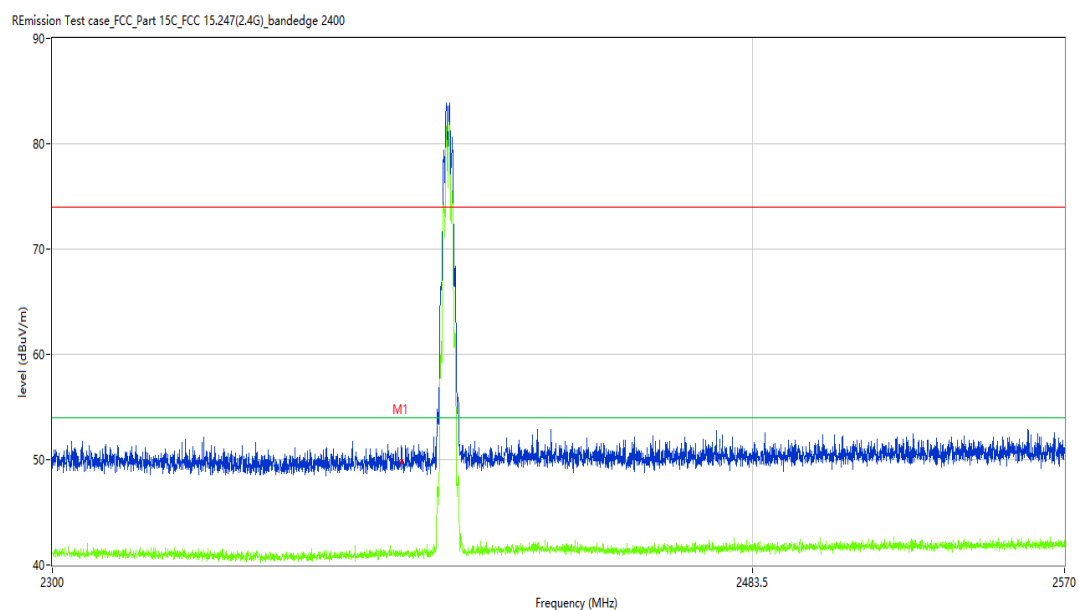
Figure 41: Band Edge, BLE-2M, 2402MHz

Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	50.26	-9.96	74.0	-23.74	Peak	153.78	100	Horizontal	Pass
1**	2390.000	41.04	-9.96	54.0	-12.96	AV	153.78	100	Horizontal	Pass

Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2390.000	49.83	-9.96	74.0	-24.17	Peak	115.61	100	Vertical	Pass
1**	2390.000	41.06	-9.96	54.0	-12.94	AV	115.61	100	Vertical	Pass

TEST REPORT

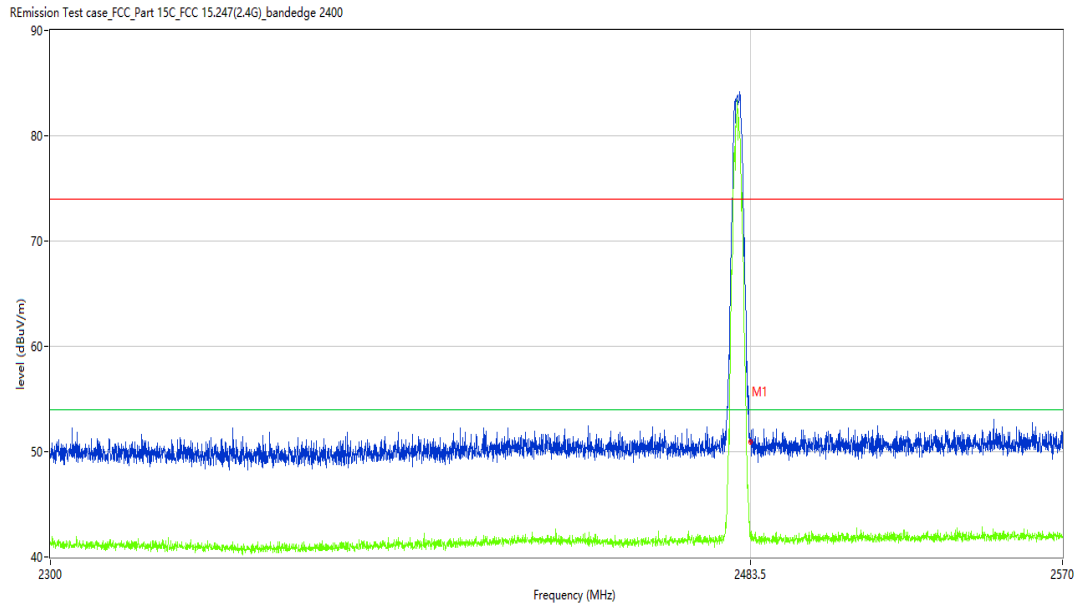
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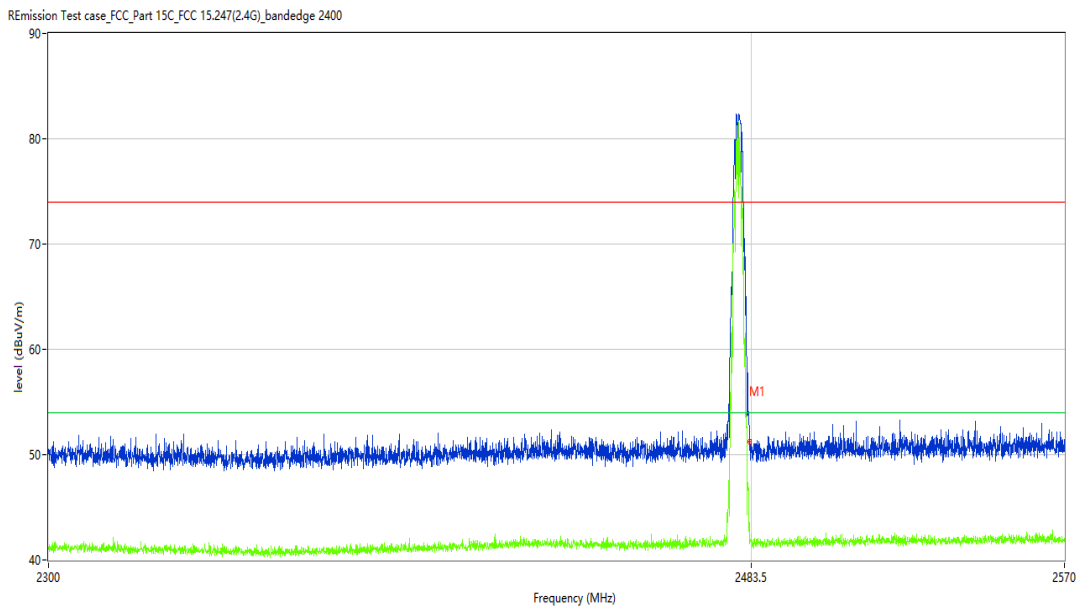
Figure 42: Band Edge, BLE-2M, 2480MHz

Horizontal polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	50.93	-9.51	74.0	-23.07	Peak	195.63	100	Horizontal	Pass
1**	2483.500	42.00	-9.51	54.0	-12.00	AV	195.63	100	Horizontal	Pass

Vertical polarization



No.	Frequency (MHz)	Results (dBuV/m)	Factor (dB)	Limit (dBuV/m)	Over Limit (dB)	Detector	Table (Degree)	Height (cm)	Antenna	Verdict
1	2483.500	51.14	-9.51	74.0	-22.86	Peak	244.49	100	V	Pass
1**	2483.500	41.88	-9.51	54.0	-12.12	AV	244.49	100	V	Pass

TEST REPORT

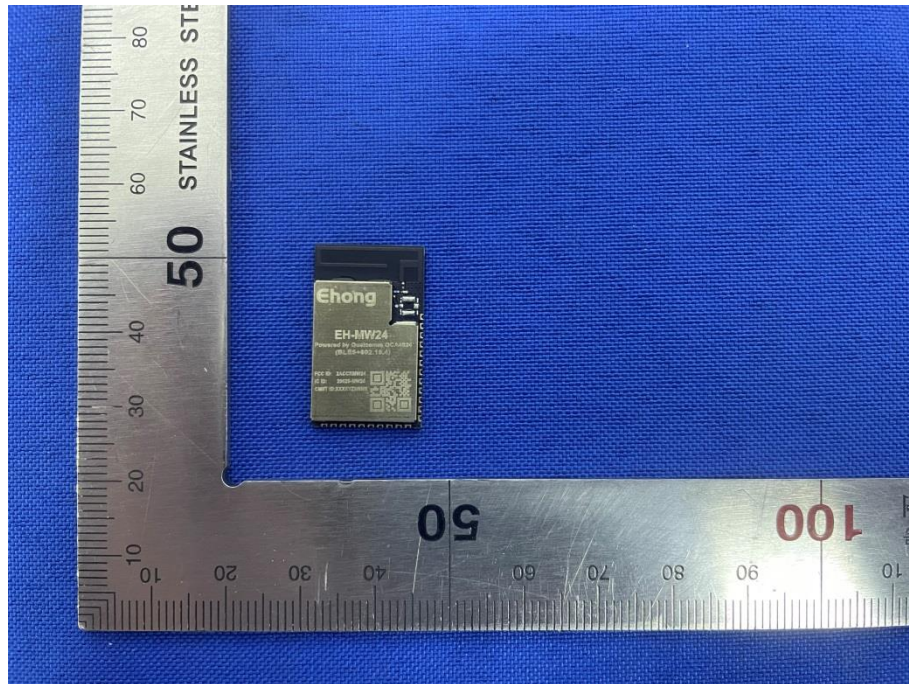
Report No.: SHE22070069-02AE

Date: 2022-08-31

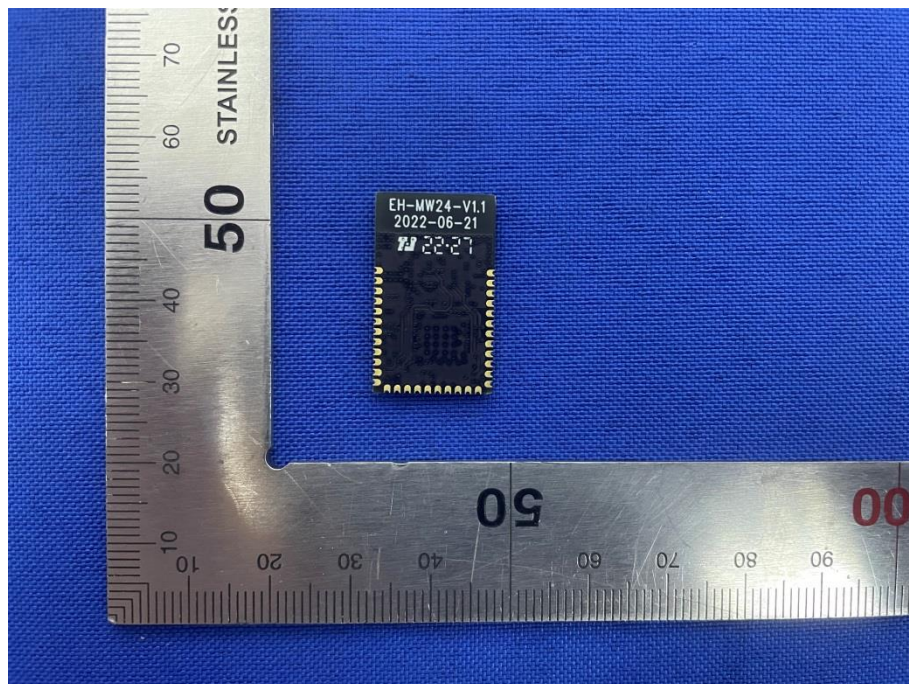
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5 Appendixes

5.1 Photographs of the Sample



Front of the sample



Rear of the sample

TEST REPORT

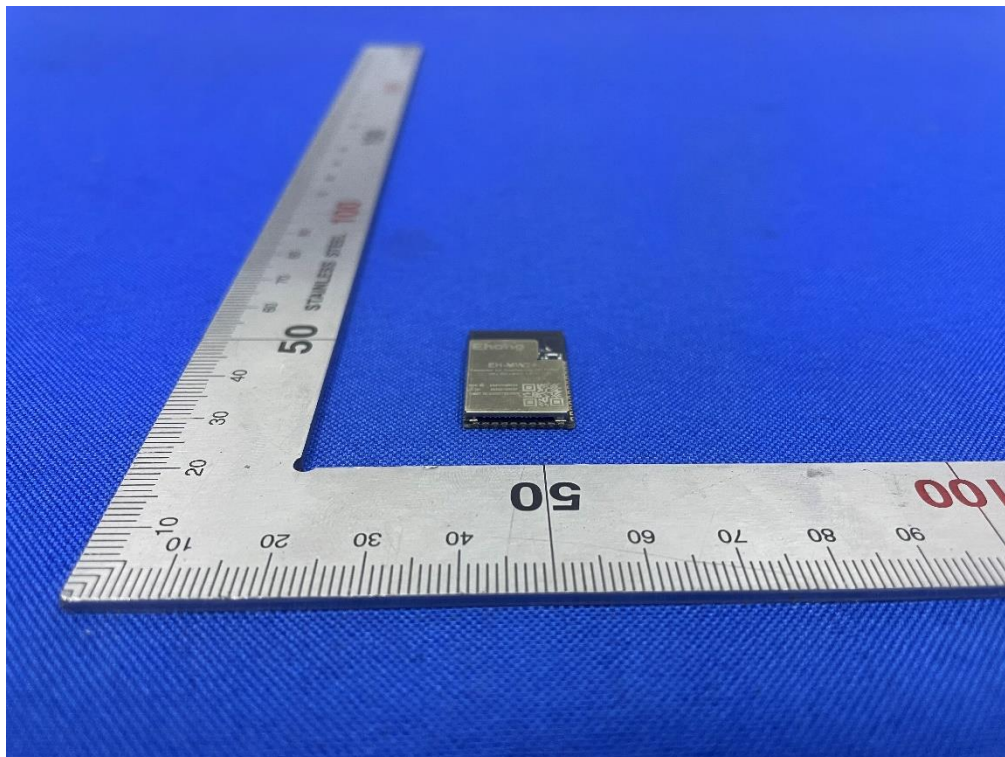
Report No.:

SHE22070069-02AE

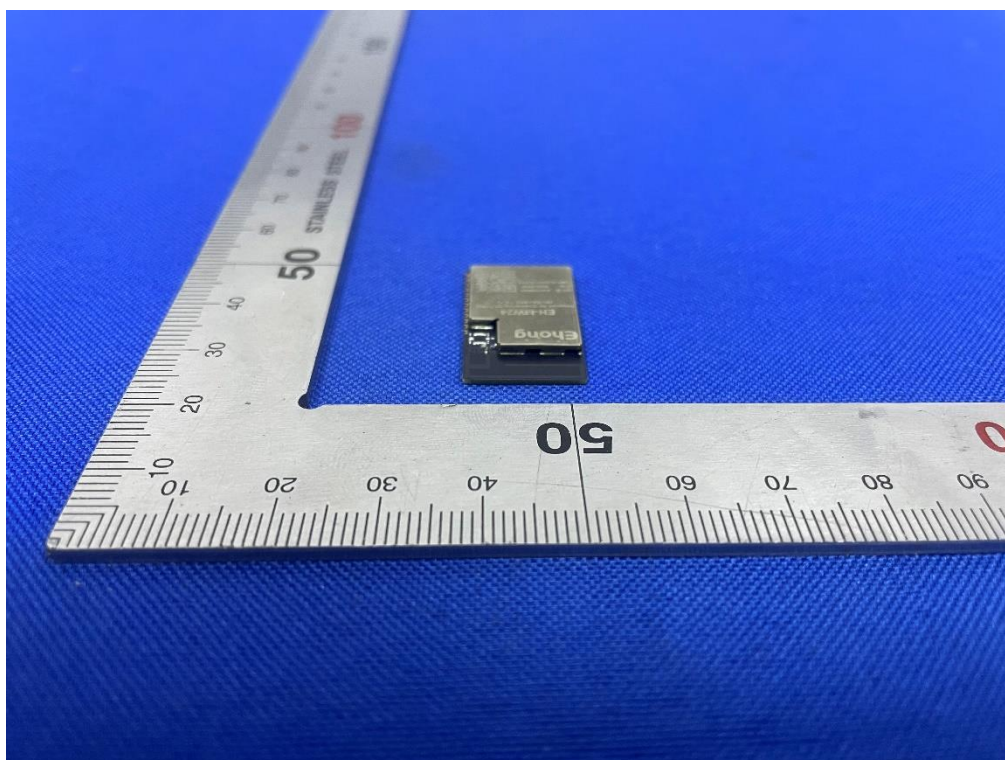
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Top of the sample



Bottom of the sample

TEST REPORT

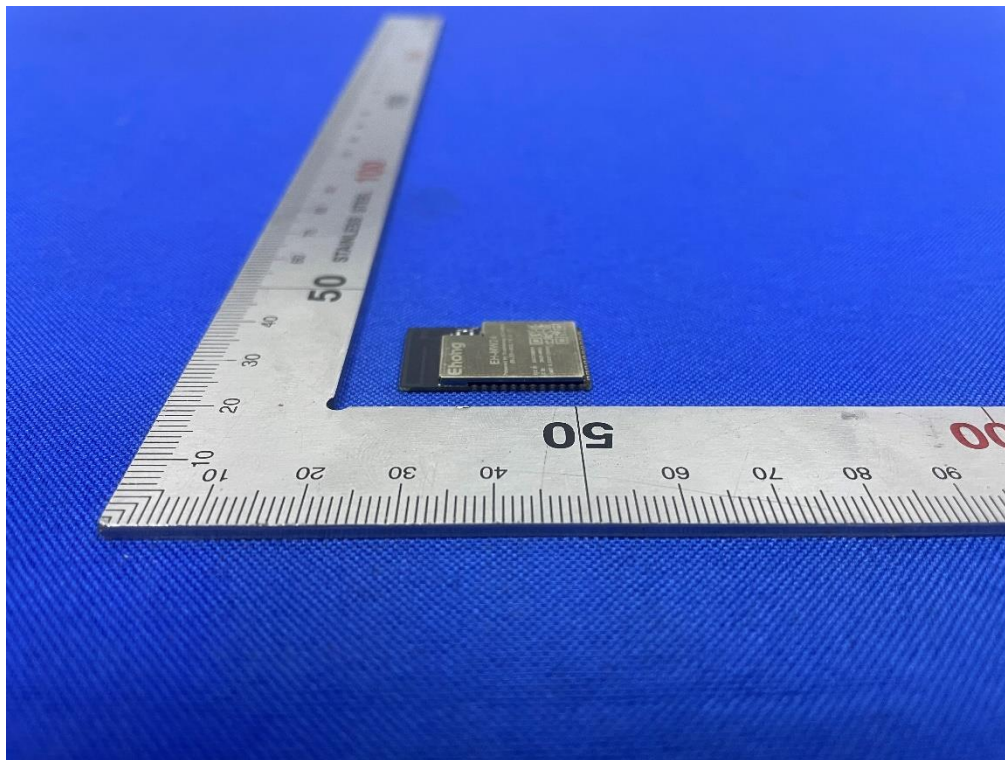
Report No.:

SHE22070069-02AE

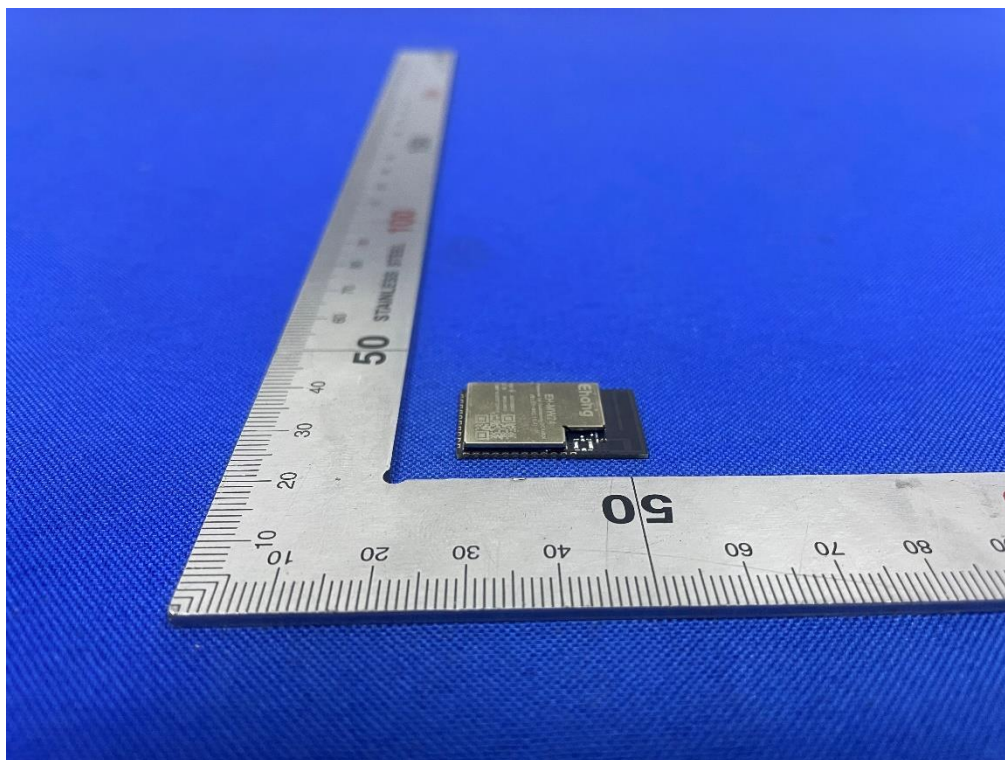
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Left of the sample



Right of the sample

TEST REPORT

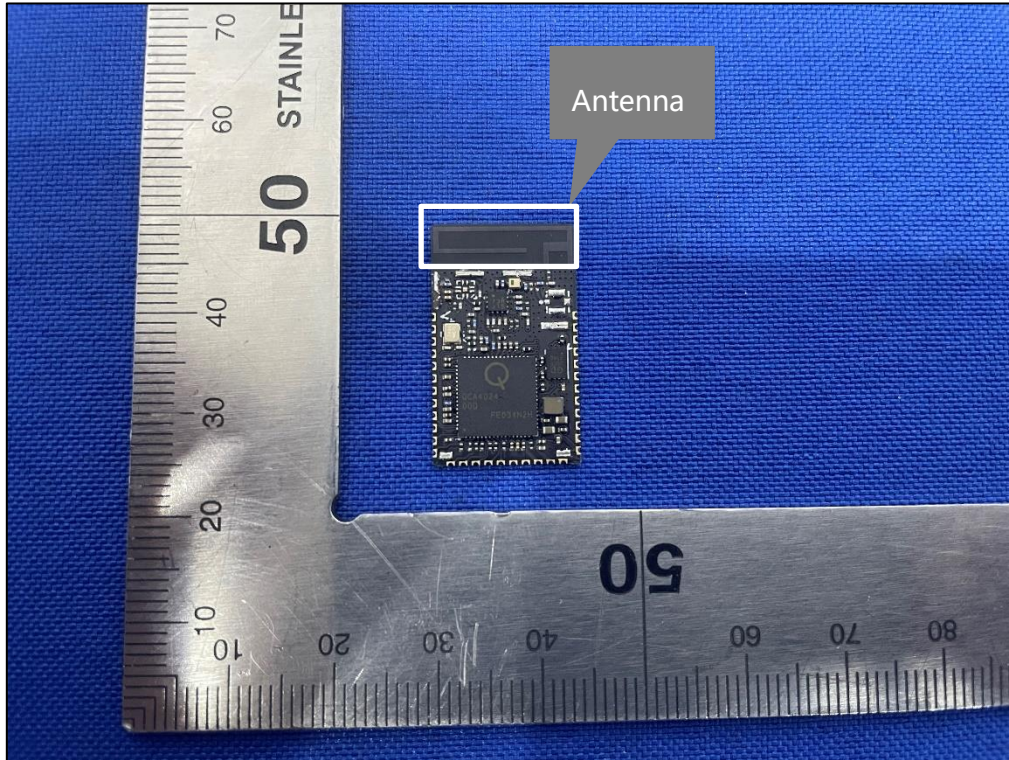
Report No.:

SHE22070069-02AE

Date:

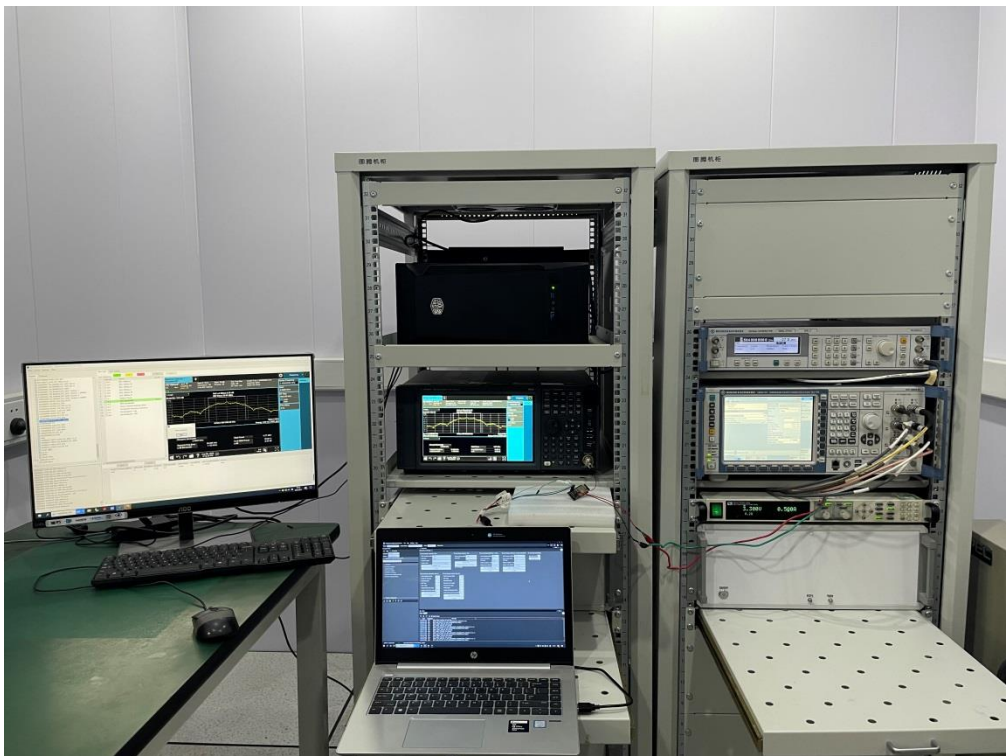
2022-08-31

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Remove the shield cover

5.2 Set-up for Conducted RF test at Antenna Port



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5.3 Set-up for Spurious Emissions below 1GHz



5.4 Set-up for Spurious Emissions above 1GHz



End of the report