

RF Test Data for BLE

(Conducted Measurements)

General Description of EUT	
EUT Name:	Portable Gaming Computer
Model:	KONKR Pocket Advance
Sample ID:	HC-C-202603-0419-01-01-2#
Test Standard:	FCC Part 15.247
Environmental Conditions	
Ambient Temperature:	25°C
Ambient Humidity:	45%RH
Test Power Supply:	DC 3.8V
Test Engineer:	Gold. Zhang
Note: For a more detailed features description, please refer to the report TBR-C-202603-0419-100	

Contents

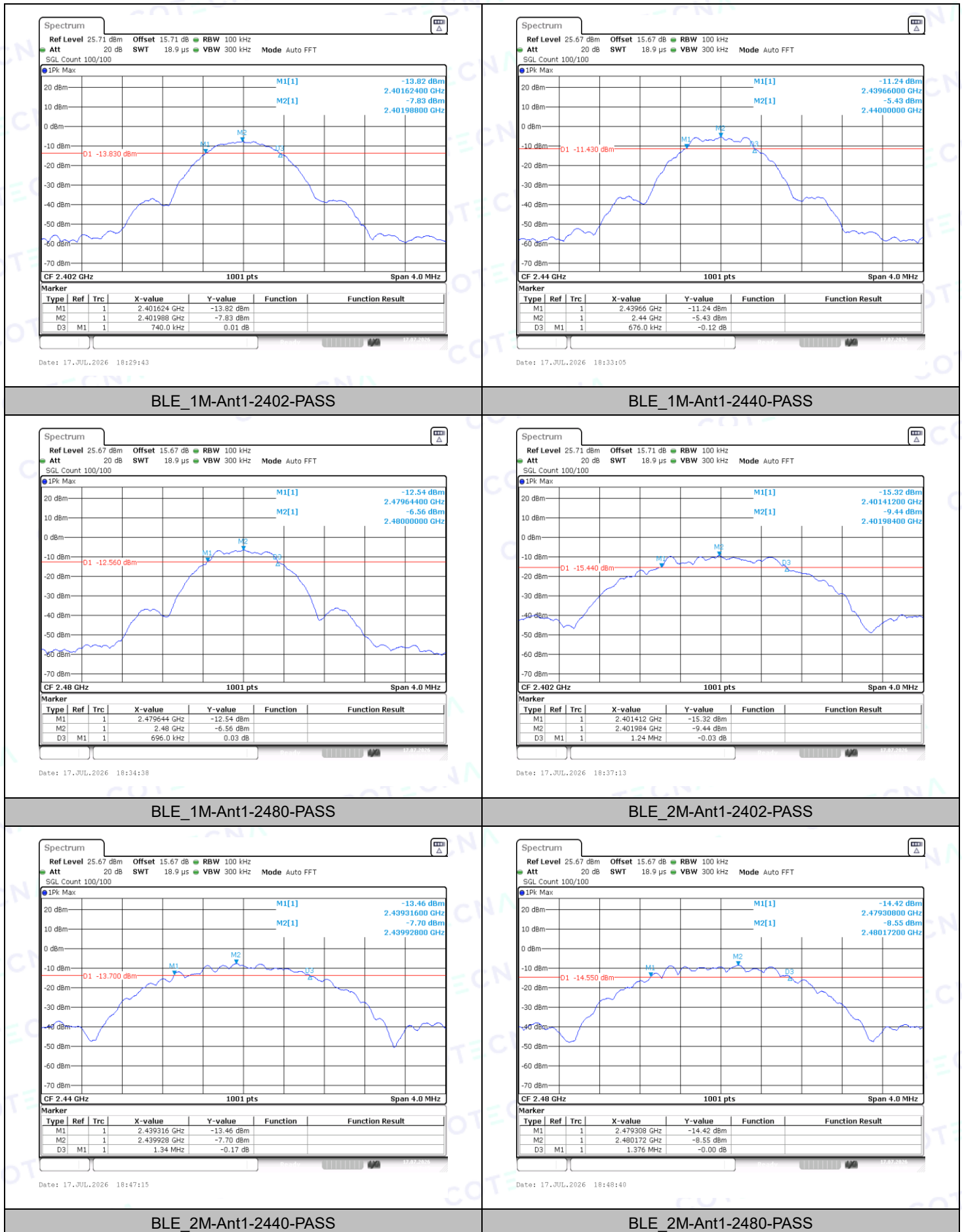
1: DTS Bandwidth	3
1.1 Test Result	3
1.2 Test Graphs	4
2: Occupied Channel Bandwidth	5
2.1 Test Result	5
2.2 Test Graphs	6
3: Maximum conducted output power	7
3.1 Test Result Peak	7
3.2 Test Graphs Peak	8
4: Maximum power spectral density	9
4.1 Test Result	9
4.2 Test Graphs	10
5: Band edge measurements	11
5.1 Test Result	11
5.2 Test Graphs	12
6: Conducted Spurious Emission	13
6.1 Test Result	13
6.2 Test Graphs	14
7: Duty Cycle	17
7.1 Test Result	17
7.2 Test Graphs	18
8: Emissions in Restricted Bands	19
8.1 Test Result	19
8.2 Test Graphs	20

1: DTS Bandwidth

1.1 Test Result

Test Mode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.74	2401.62	2402.36	0.5	PASS
BLE_1M	Ant1	2440	0.68	2439.66	2440.34	0.5	PASS
BLE_1M	Ant1	2480	0.70	2479.64	2480.34	0.5	PASS
BLE_2M	Ant1	2402	1.24	2401.41	2402.65	0.5	PASS
BLE_2M	Ant1	2440	1.34	2439.32	2440.66	0.5	PASS
BLE_2M	Ant1	2480	1.38	2479.31	2480.68	0.5	PASS

1.2 Test Graphs

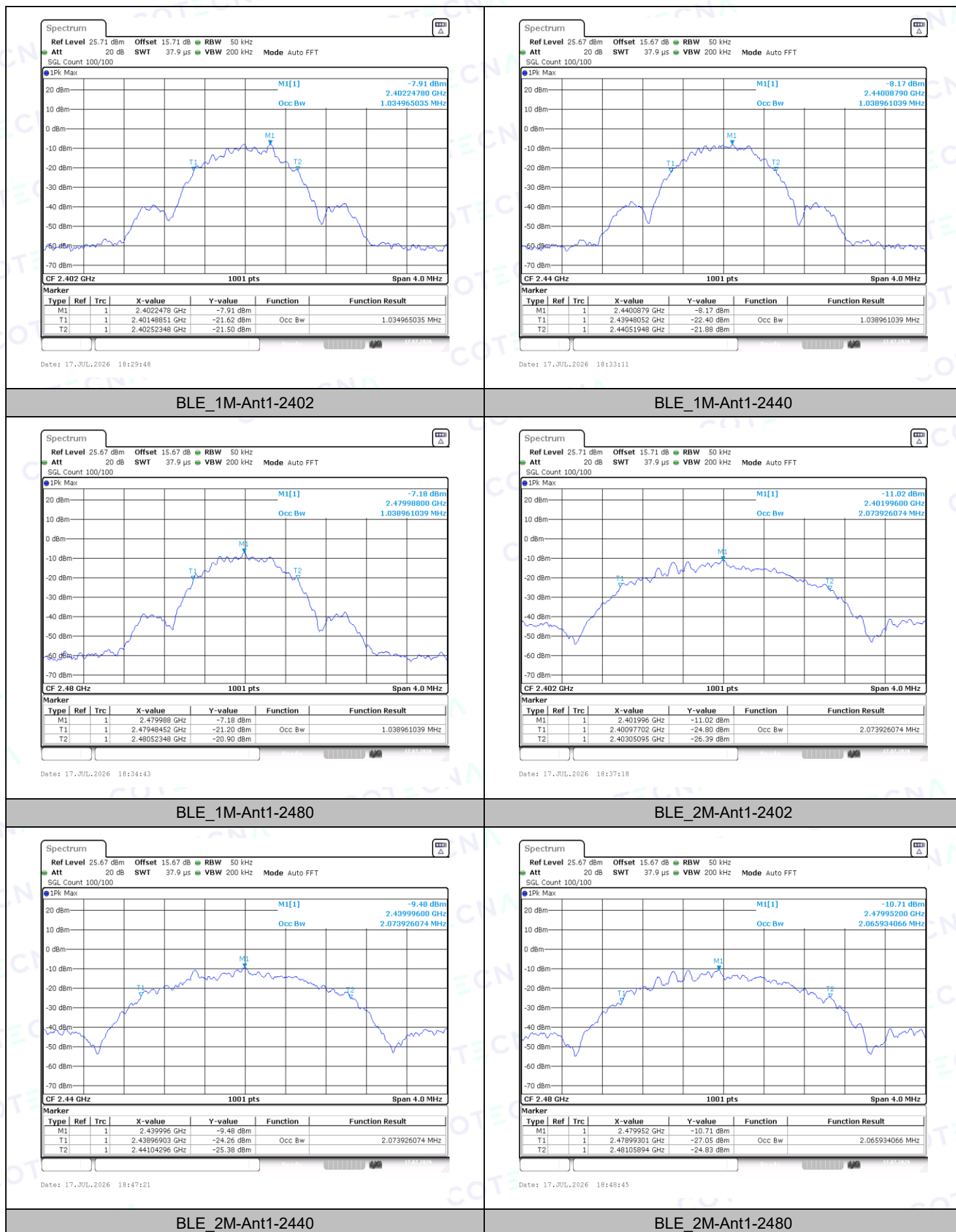


2: Occupied Channel Bandwidth

2.1 Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0350	2401.4885	2402.5235	---	---
BLE_1M	Ant1	2440	1.0390	2439.4805	2440.5195	---	---
BLE_1M	Ant1	2480	1.0390	2479.4845	2480.5235	---	---
BLE_2M	Ant1	2402	2.0739	2400.9770	2403.0509	---	---
BLE_2M	Ant1	2440	2.0739	2438.9690	2441.0430	---	---
BLE_2M	Ant1	2480	2.0659	2478.9930	2481.0589	---	---

2.2 Test Graphs

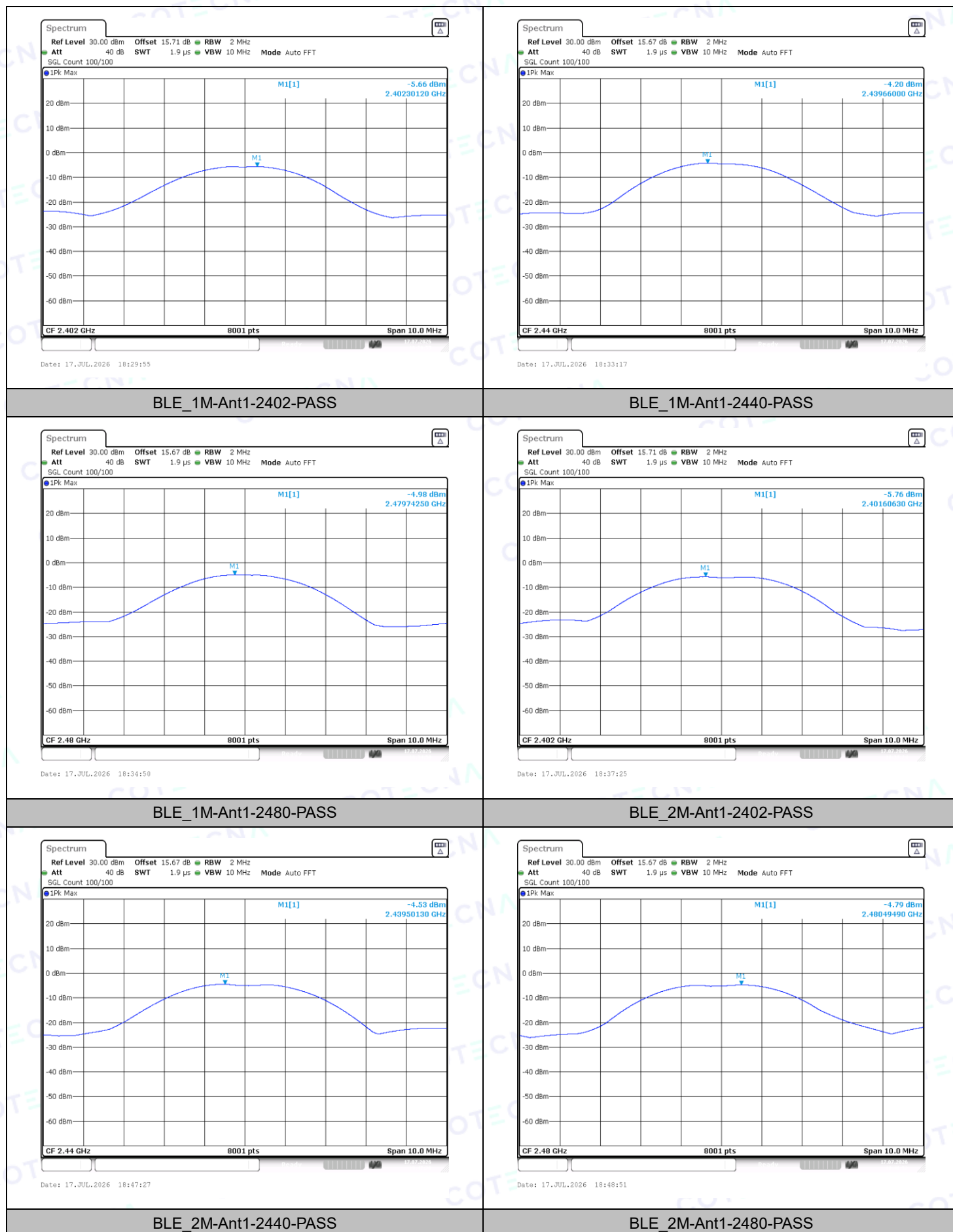


3: Maximum conducted output power

3.1 Test Result Peak

Test Mode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	-5.66	≤30	PASS
BLE_1M	Ant1	2440	-4.20	≤30	PASS
BLE_1M	Ant1	2480	-4.98	≤30	PASS
BLE_2M	Ant1	2402	-5.76	≤30	PASS
BLE_2M	Ant1	2440	-4.53	≤30	PASS
BLE_2M	Ant1	2480	-4.79	≤30	PASS

3.2 Test Graphs Peak

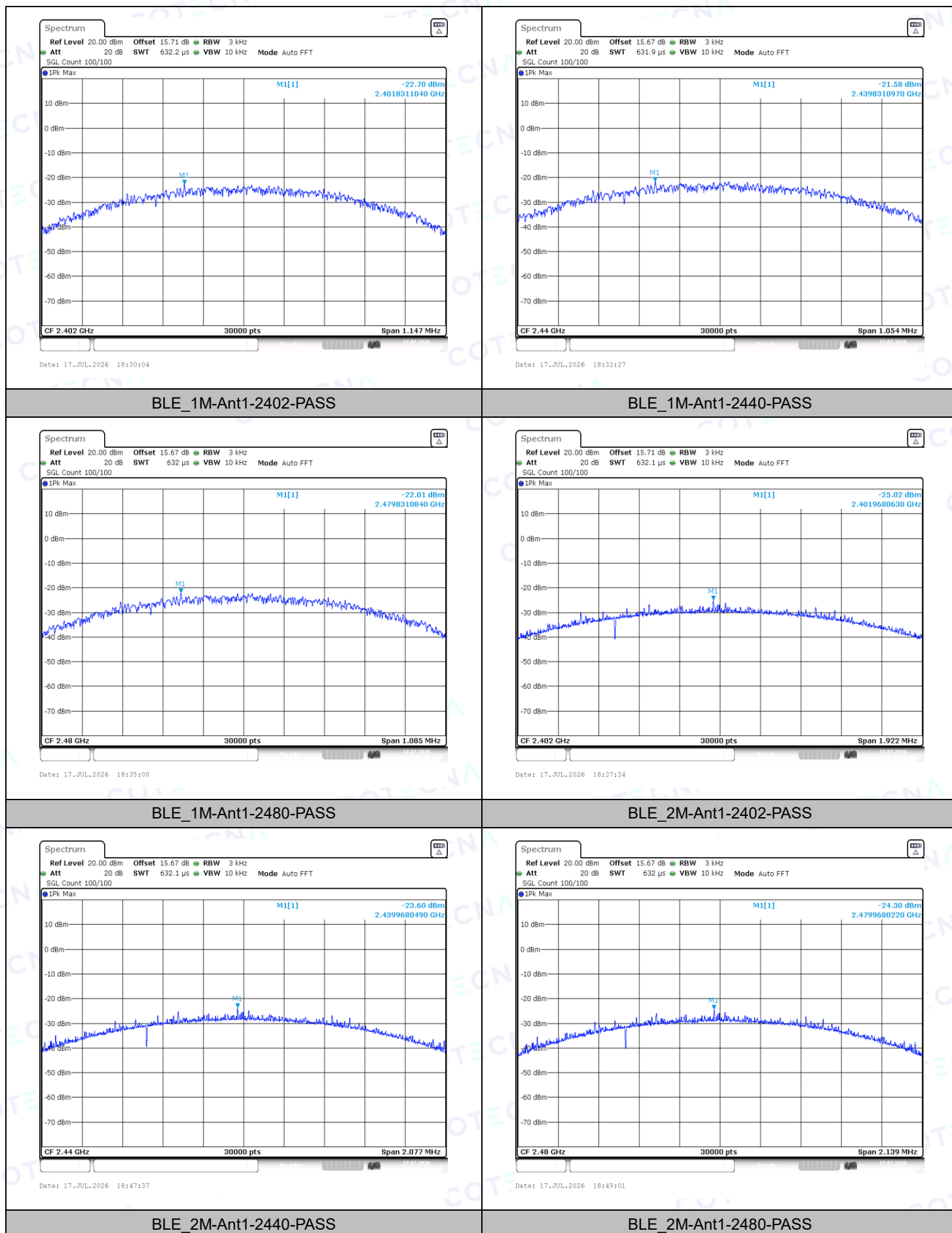


4: Maximum power spectral density

4.1 Test Result

Test Mode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-22.70	≤8.00	PASS
BLE_1M	Ant1	2440	-21.58	≤8.00	PASS
BLE_1M	Ant1	2480	-22.01	≤8.00	PASS
BLE_2M	Ant1	2402	-25.02	≤8.00	PASS
BLE_2M	Ant1	2440	-23.60	≤8.00	PASS
BLE_2M	Ant1	2480	-24.30	≤8.00	PASS

4.2 Test Graphs

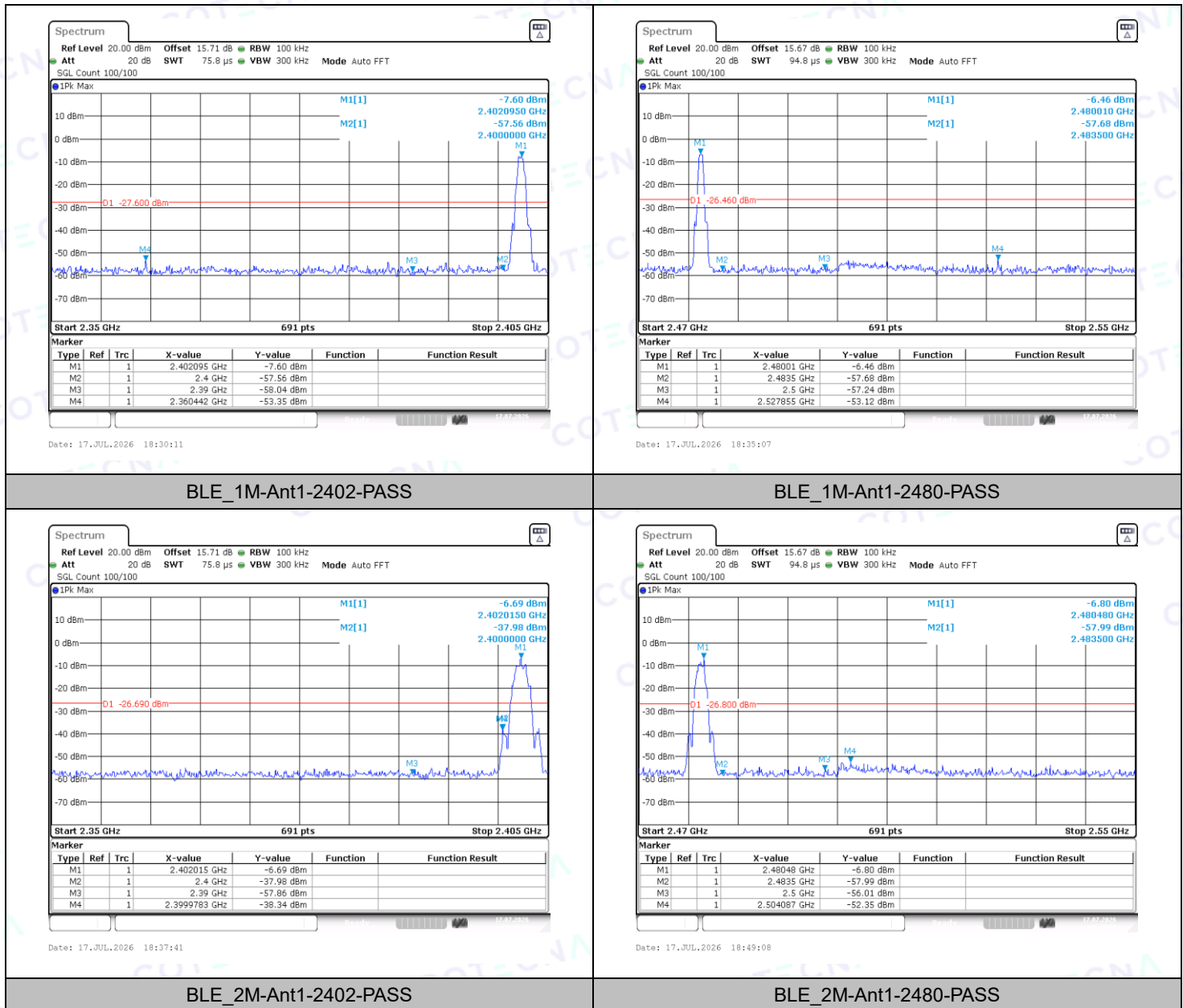


5: Band edge measurements

5.1 Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	-7.60	-53.35	≤-27.6	PASS
BLE_1M	Ant1	High	2480	-6.46	-53.12	≤-26.46	PASS
BLE_2M	Ant1	Low	2402	-6.69	-38.34	≤-26.69	PASS
BLE_2M	Ant1	High	2480	-6.80	-52.35	≤-26.8	PASS

5.2 Test Graphs

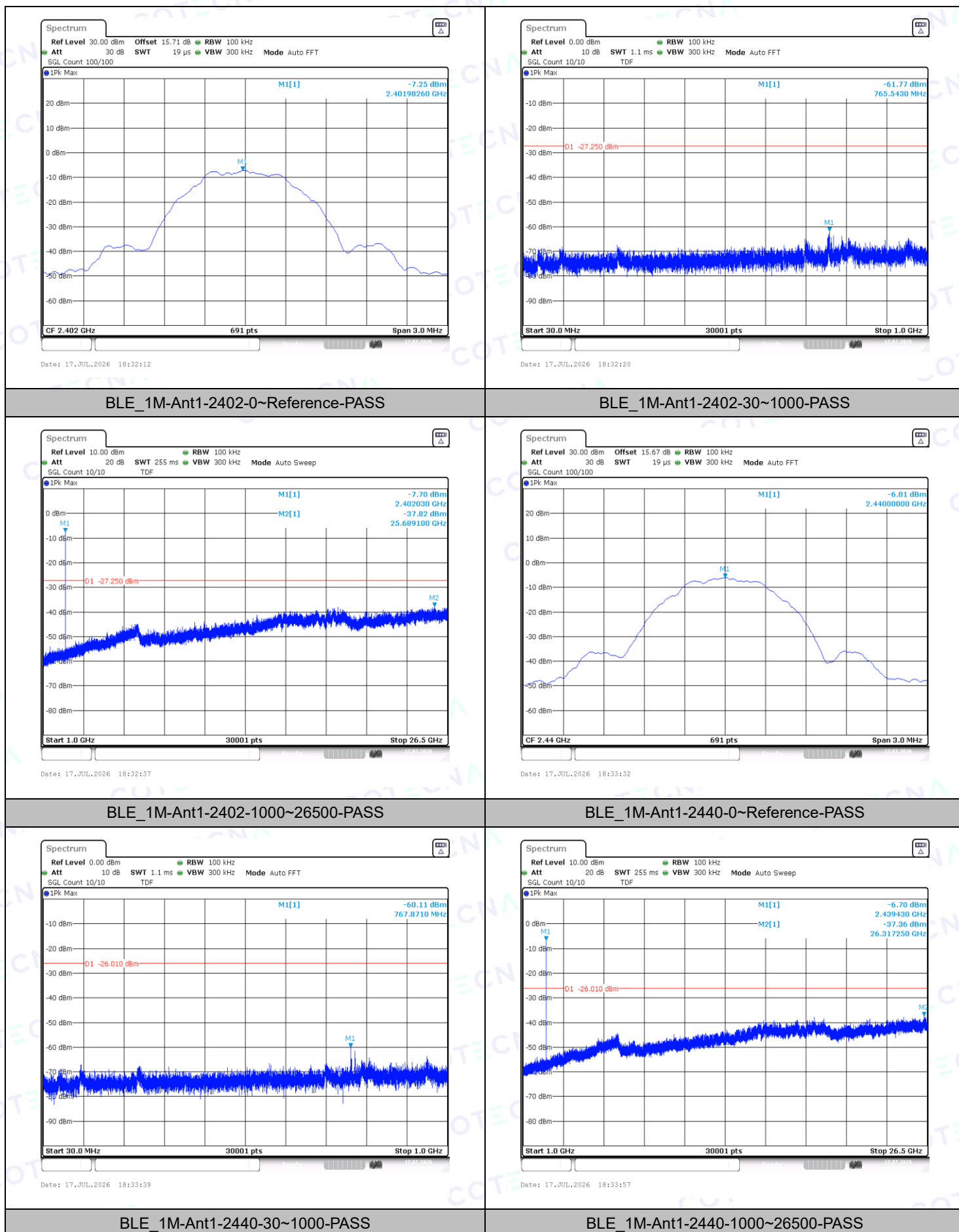


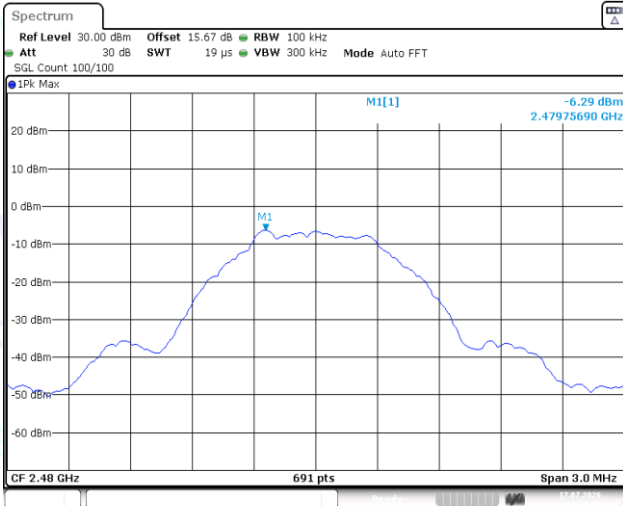
6: Conducted Spurious Emission

6.1 Test Result

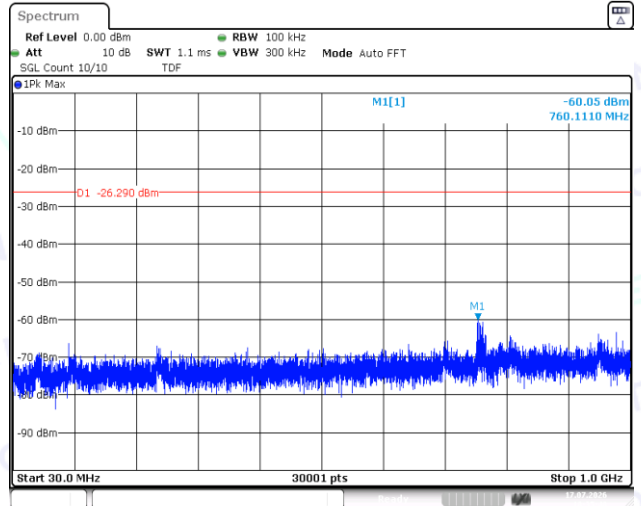
Test Mode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	-7.25	-7.25	---	PASS
BLE_1M	Ant1	2402	30~1000	-7.25	-61.77	≤ -27.25	PASS
BLE_1M	Ant1	2402	1000~26500	-7.25	-37.82	≤ -27.25	PASS
BLE_1M	Ant1	2440	0~Reference	-6.01	-6.01	---	PASS
BLE_1M	Ant1	2440	30~1000	-6.01	-60.11	≤ -26.01	PASS
BLE_1M	Ant1	2440	1000~26500	-6.01	-37.36	≤ -26.01	PASS
BLE_1M	Ant1	2480	0~Reference	-6.29	-6.29	---	PASS
BLE_1M	Ant1	2480	30~1000	-6.29	-60.05	≤ -26.29	PASS
BLE_1M	Ant1	2480	1000~26500	-6.29	-37.79	≤ -26.29	PASS
BLE_2M	Ant1	2402	0~Reference	-9.49	-9.49	---	PASS
BLE_2M	Ant1	2402	30~1000	-9.49	-58.12	≤ -29.49	PASS
BLE_2M	Ant1	2402	1000~26500	-9.49	-37.26	≤ -29.49	PASS
BLE_2M	Ant1	2440	0~Reference	-6.93	-6.93	---	PASS
BLE_2M	Ant1	2440	30~1000	-6.93	-58.19	≤ -26.93	PASS
BLE_2M	Ant1	2440	1000~26500	-6.93	-37.42	≤ -26.93	PASS
BLE_2M	Ant1	2480	0~Reference	-7.95	-7.95	---	PASS
BLE_2M	Ant1	2480	30~1000	-7.95	-54.91	≤ -27.95	PASS
BLE_2M	Ant1	2480	1000~26500	-7.95	-37.04	≤ -27.95	PASS

6.2 Test Graphs





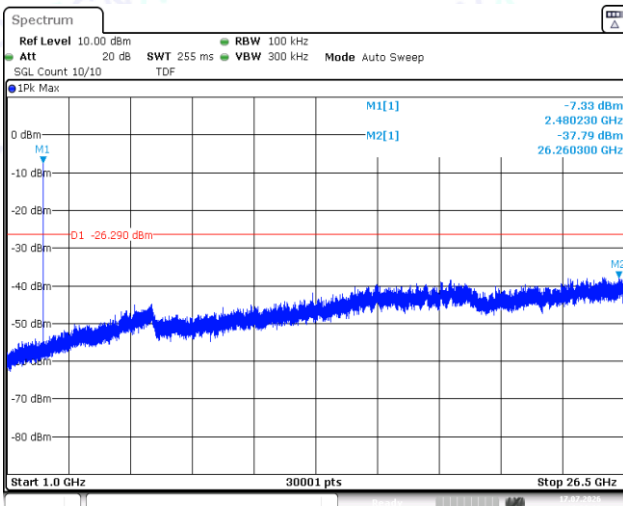
Date: 17.JUL.2026 18:35:40



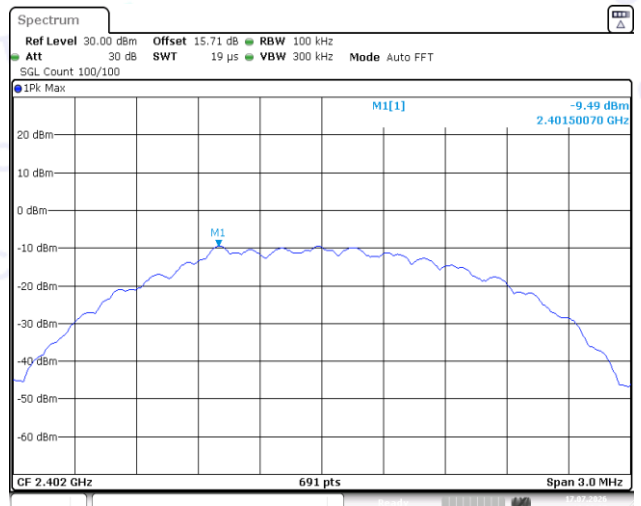
Date: 17.JUL.2026 18:35:48

BLE_1M-Ant1-2480-0~Reference-PASS

BLE_1M-Ant1-2480-30~1000-PASS



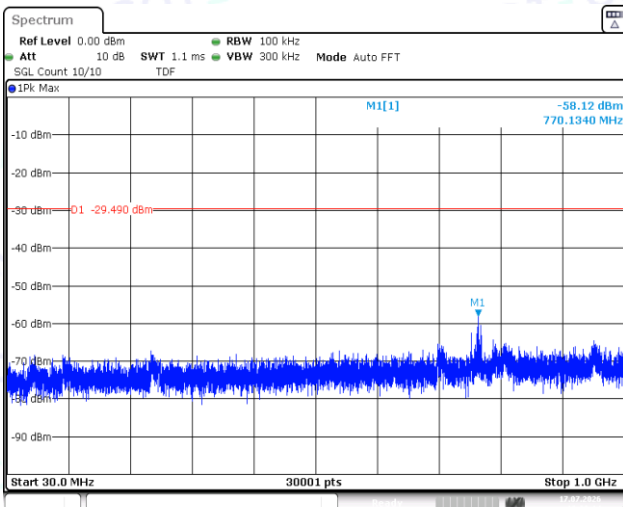
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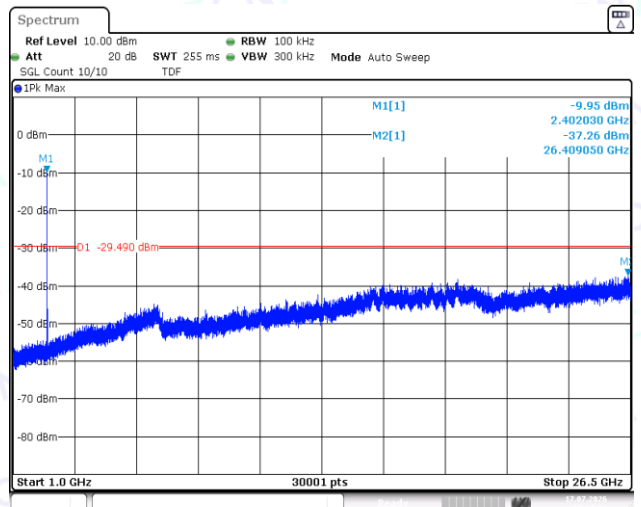
Date: 17.JUL.2026 18:38:07

BLE_1M-Ant1-2480-1000~26500-PASS

BLE_2M-Ant1-2402-0~Reference-PASS



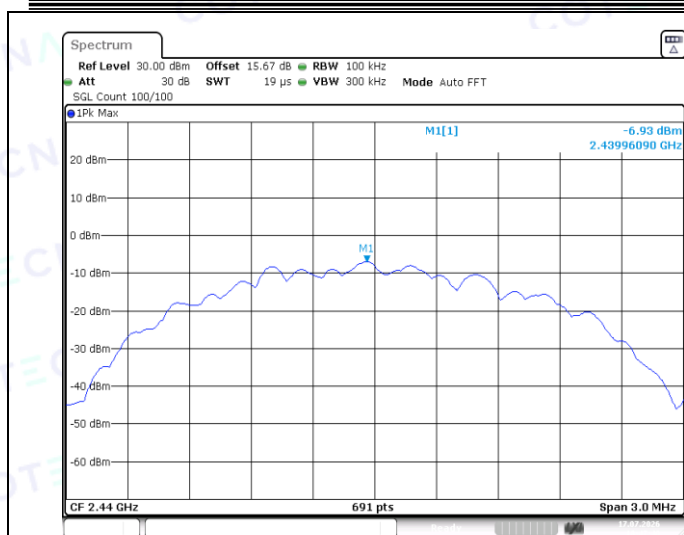
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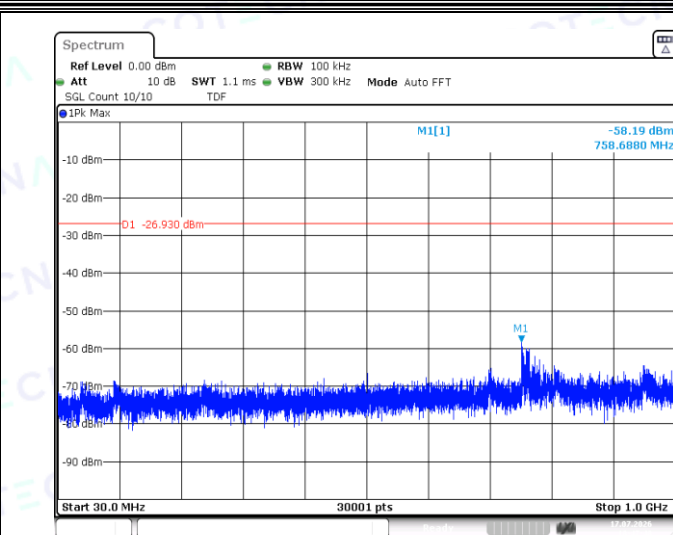
BLE_2M-Ant1-2402-30~1000-PASS

BLE_2M-Ant1-2402-1000~26500-PASS



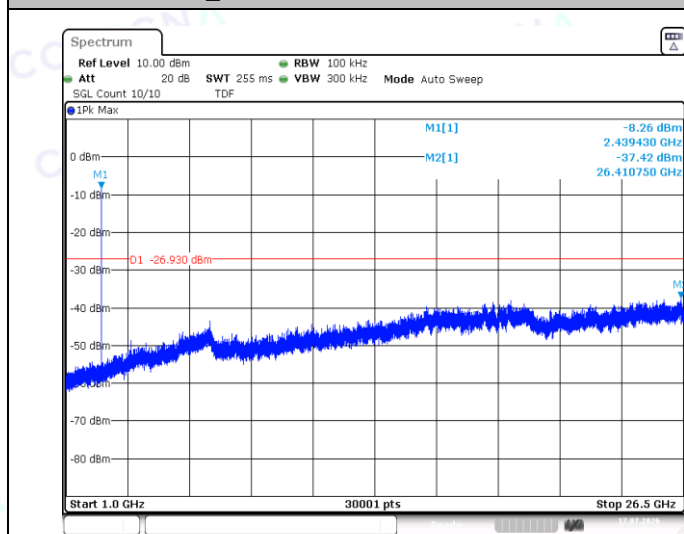
Date: 17.JUL.2026 18:47:41

BLE_2M-Ant1-2440-0~Reference-PASS



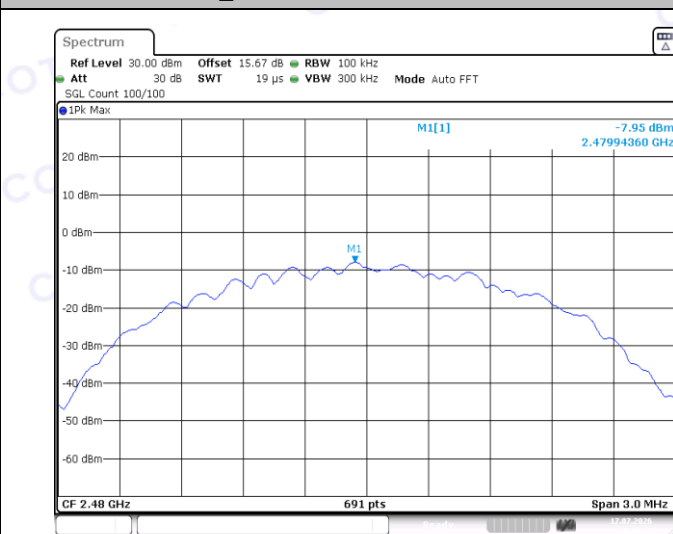
Date: 17.JUL.2026 18:47:49

BLE_2M-Ant1-2440-30~1000-PASS



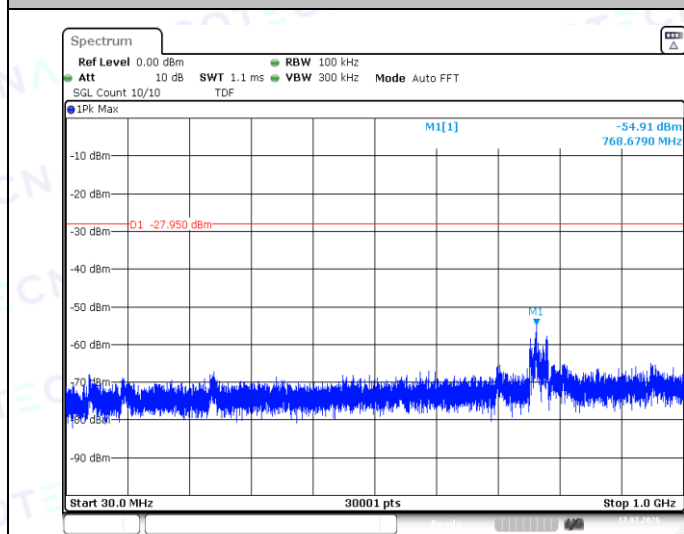
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BLE_2M-Ant1-2440-1000~26500-PASS



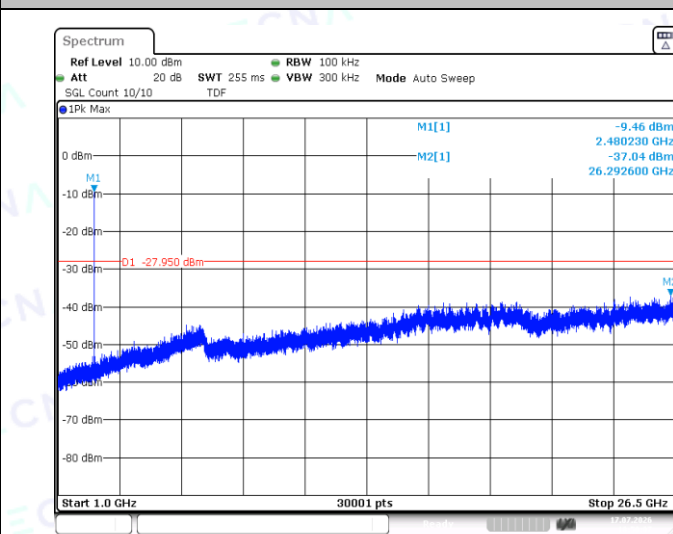
Date: 17.JUL.2026 18:49:42

BLE_2M-Ant1-2480-0~Reference-PASS



Date: 17.JUL.2026 18:49:49

BLE_2M-Ant1-2480-30~1000-PASS



Date: 17.JUL.2026 18:50:07

BLE_2M-Ant1-2480-1000~26500-PASS

7: Duty Cycle

7.1 Test Result

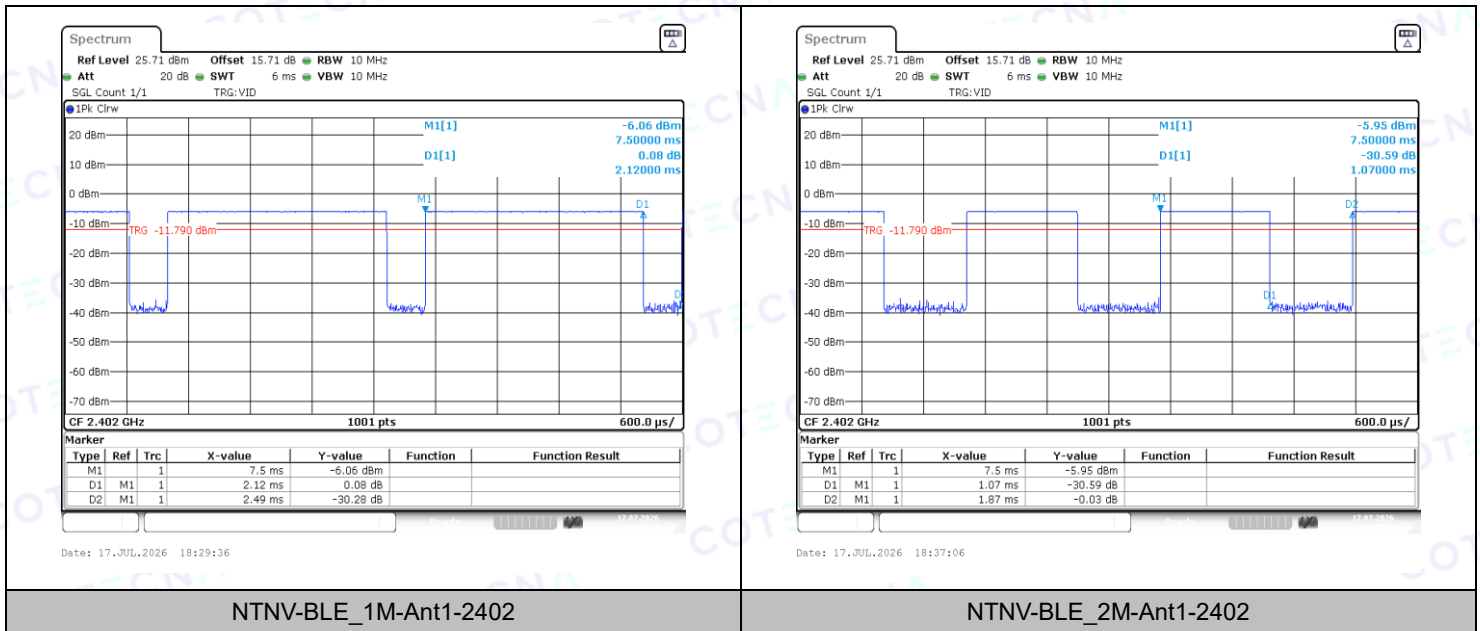
TestMode	Antenna	Frequency [MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	DC Factor	1/T [kHz]
BLE_1M	Ant1	2402	2.12	2.49	85.14	0.70	0.47
BLE_2M	Ant1	2402	1.07	1.87	57.22	2.42	0.93

Note: 1, Duty Cycle= Transmission Duration/ Transmission Period

2, DC Factor= $10 \times \log_{10}(1/\text{Duty Cycle})$

3, $1/T = 1/\text{Transmission Duration}$

7.2 Test Graphs



8: Emissions in Restricted Bands

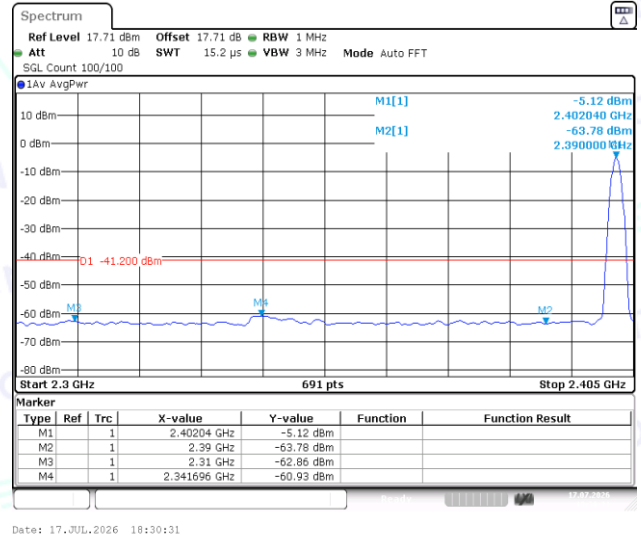
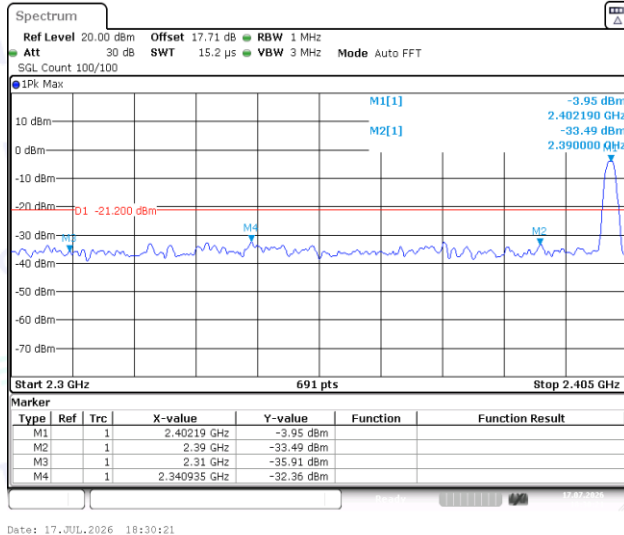
8.1 Test Result

Test Mode	Antenna	ChName	Frequency [MHz]	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
BLE_1M	Ant1	Low	2402	Peak	2390.000	-33.49	≤-21.20	61.71	≤74	PASS
BLE_1M	Ant1	Low	2402	Peak	2310.000	-35.91	≤-21.20	59.29	≤74	PASS
BLE_1M	Ant1	Low	2402	Peak	2340.935	-32.36	≤-21.20	62.84	≤74	PASS
BLE_1M	Ant1	Low	2402	AV	2390.000	-63.78	≤-41.20	31.42	≤54	PASS
BLE_1M	Ant1	Low	2402	AV	2310.000	-62.86	≤-41.20	32.34	≤54	PASS
BLE_1M	Ant1	Low	2402	AV	2341.696	-60.93	≤-41.20	34.27	≤54	PASS
BLE_1M	Ant1	High	2480	Peak	2483.500	-38.2	≤-21.20	57.00	≤74	PASS
BLE_1M	Ant1	High	2480	Peak	2500.000	-36.68	≤-21.20	58.52	≤74	PASS
BLE_1M	Ant1	High	2480	Peak	2494.464	-34.54	≤-21.20	60.66	≤74	PASS
BLE_1M	Ant1	High	2480	AV	2483.500	-62.5	≤-41.20	32.70	≤54	PASS
BLE_1M	Ant1	High	2480	AV	2500.000	-63.05	≤-41.20	32.15	≤54	PASS
BLE_1M	Ant1	High	2480	AV	2498.986	-62.11	≤-41.20	33.09	≤54	PASS
BLE_2M	Ant1	Low	2402	Peak	2390.000	-37.29	≤-21.20	57.91	≤74	PASS
BLE_2M	Ant1	Low	2402	Peak	2310.000	-35.16	≤-21.20	60.04	≤74	PASS
BLE_2M	Ant1	Low	2402	Peak	2339.870	-31.5	≤-21.20	63.70	≤74	PASS
BLE_2M	Ant1	Low	2402	AV	2390.000	-63.9	≤-41.20	31.30	≤54	PASS
BLE_2M	Ant1	Low	2402	AV	2310.000	-63.94	≤-41.20	31.26	≤54	PASS
BLE_2M	Ant1	Low	2402	AV	2341.543	-60.61	≤-41.20	34.59	≤54	PASS
BLE_2M	Ant1	High	2480	Peak	2483.500	-37.93	≤-21.20	57.27	≤74	PASS
BLE_2M	Ant1	High	2480	Peak	2500.000	-35.62	≤-21.20	59.58	≤74	PASS
BLE_2M	Ant1	High	2480	Peak	2486.812	-33.2	≤-21.20	62.00	≤74	PASS
BLE_2M	Ant1	High	2480	AV	2483.500	-61.92	≤-41.20	33.28	≤54	PASS
BLE_2M	Ant1	High	2480	AV	2500.000	-63.39	≤-41.20	31.81	≤54	PASS
BLE_2M	Ant1	High	2480	AV	2489.362	-62.37	≤-41.20	32.83	≤54	PASS

Note:

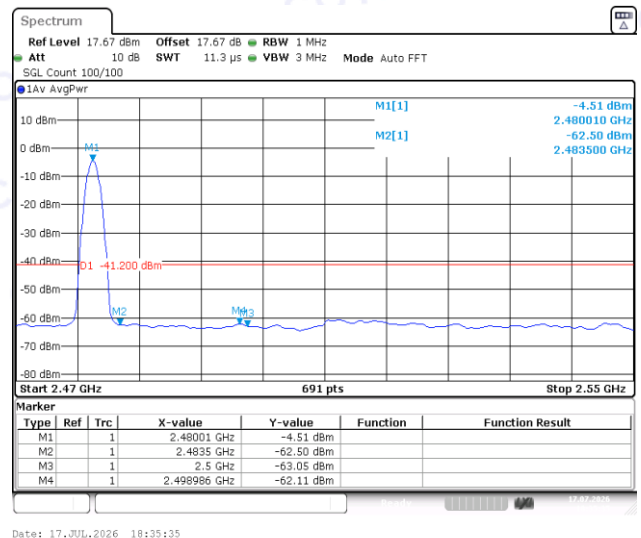
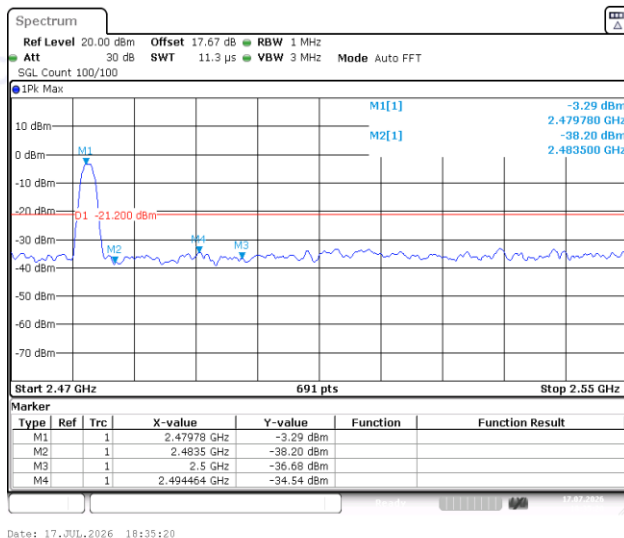
1. The Antenna Gain is compensated in the graph.
2. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

8.2 Test Graphs



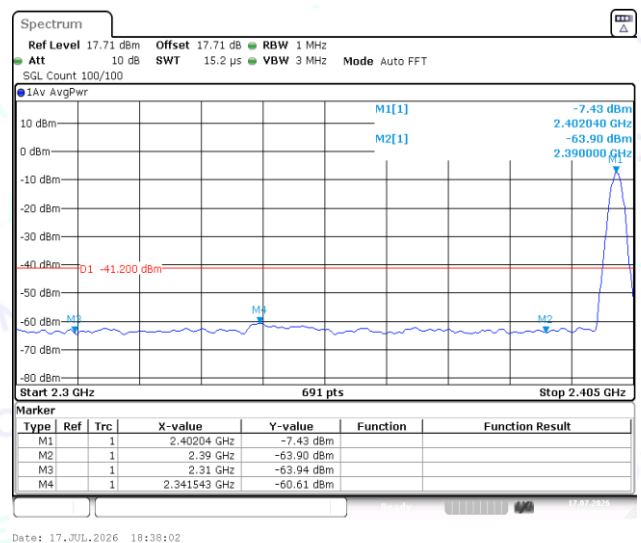
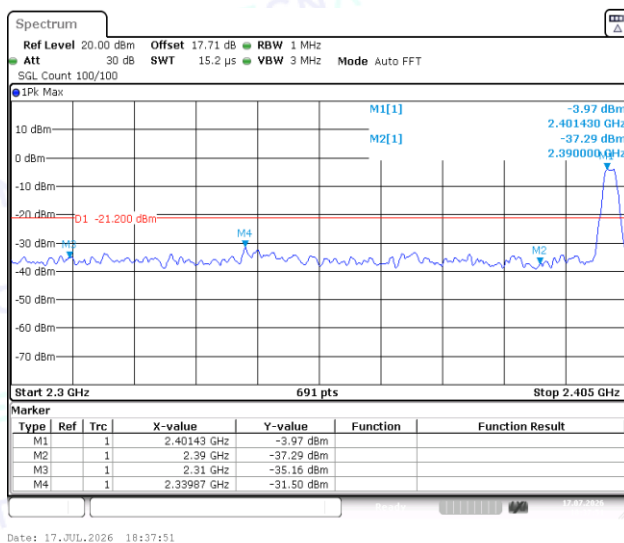
BLE_1M-Ant1-2402-PASS

BLE_1M-Ant1-2402-PASS



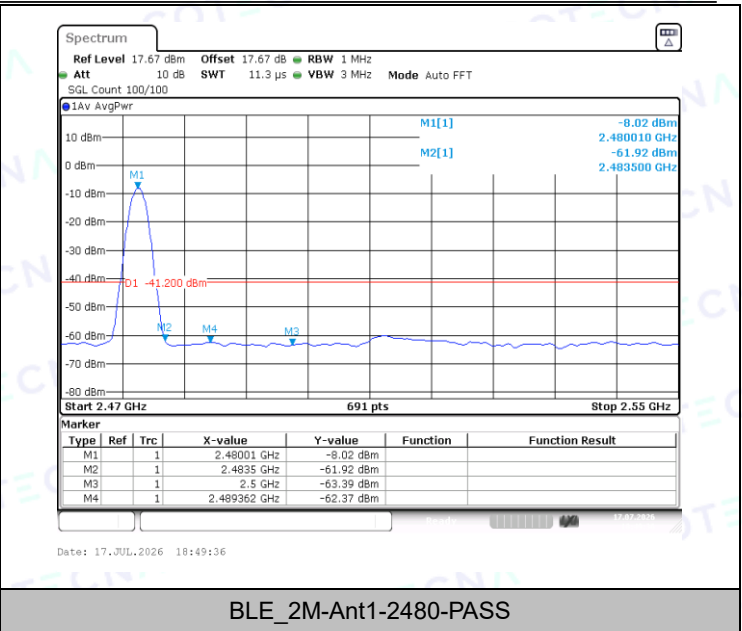
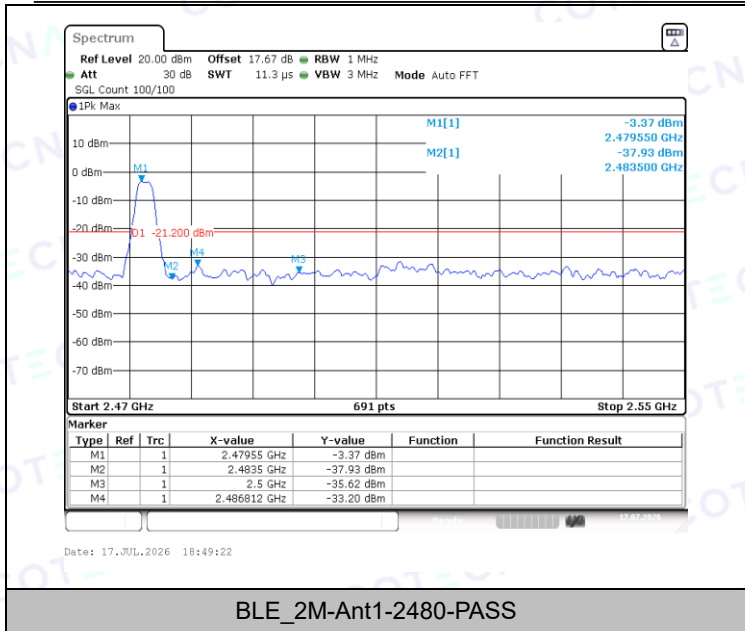
BLE_1M-Ant1-2480-PASS

BLE_1M-Ant1-2480-PASS



BLE_2M-Ant1-2402-PASS

BLE_2M-Ant1-2402-PASS



-----END OF THE REPORT-----