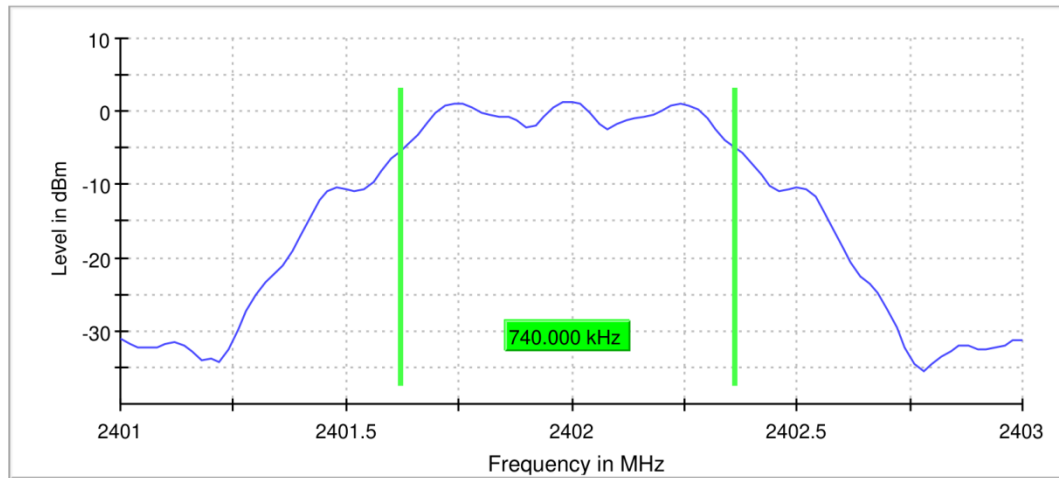




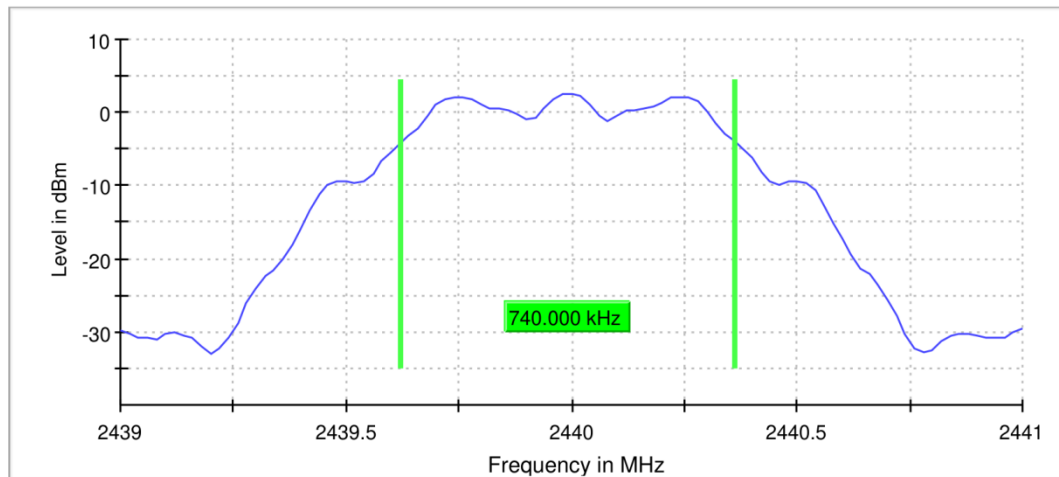
BLE_S8_ANT1_2402

6 dB Bandwidth

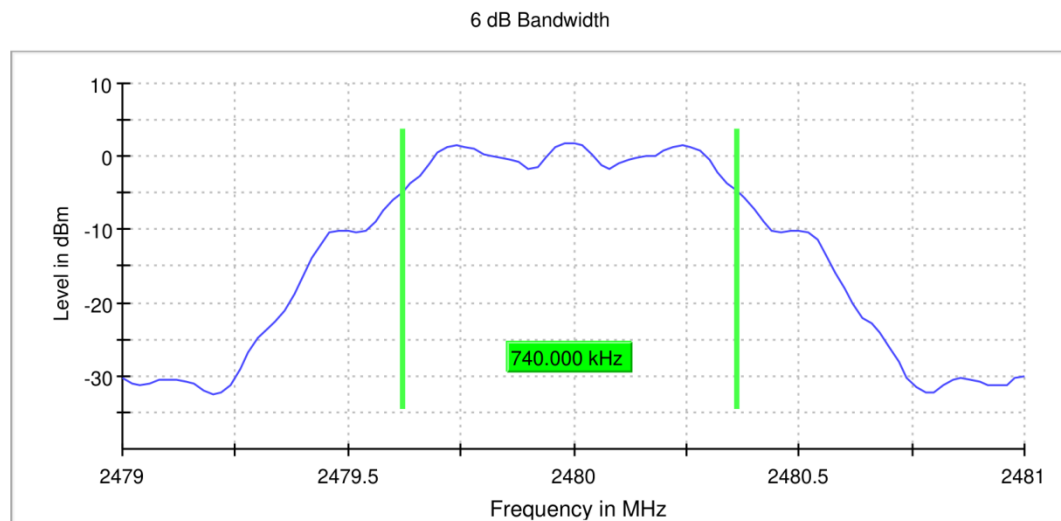


BLE_S8_ANT1_2440

6 dB Bandwidth



BLE_S8_ANT1_2480



RBW 100.000 kHz

VBW 300.000 kHz



OCCUPIED CHANNEL BANDWIDTH

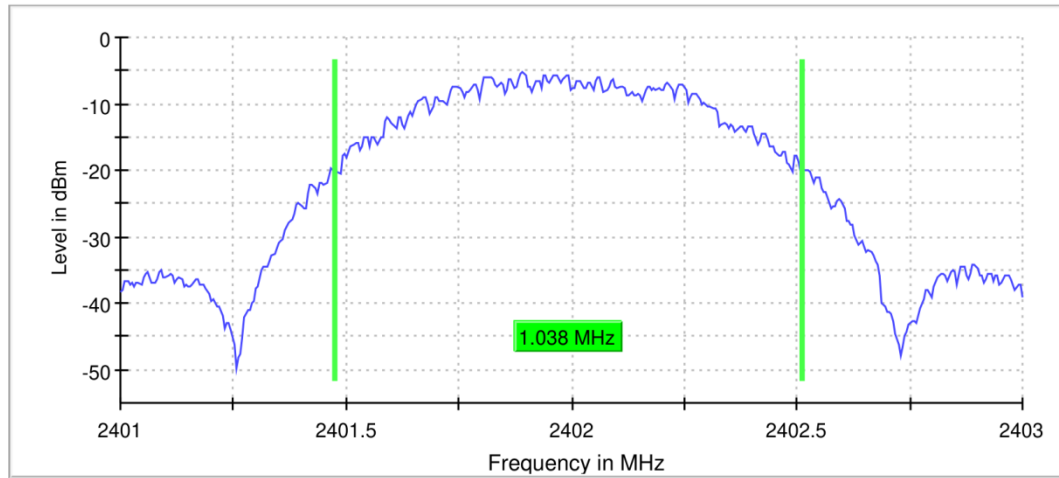
TEST RESULT

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	ANT1	2402	1.038	2401.476	2402.514	2400-24835	PASS
		2440	1.033	2439.481	2440.514	2400-24835	PASS
		2480	1.028	2479.486	2480.514	2400-24835	PASS
BLE_2M	ANT1	2404	2.065	2402.972	2405.038	2400-24835	PASS
		2440	2.055	2438.972	2441.028	2400-24835	PASS
		2478	2.055	2476.972	2479.028	2400-24835	PASS
BLE-S2	ANT1	2402	1.028	2401.486	2402.514	2400-24835	PASS
		2440	1.023	2439.486	2440.509	2400-24835	PASS
		2480	1.023	2479.486	2480.509	2400-24835	PASS
BLE_S8	ANT1	2402	1.053	2401.466	2402.519	2400-24835	PASS
		2440	1.053	2439.466	2440.519	2400-24835	PASS
		2480	1.048	2479.471	2480.519	2400-24835	PASS



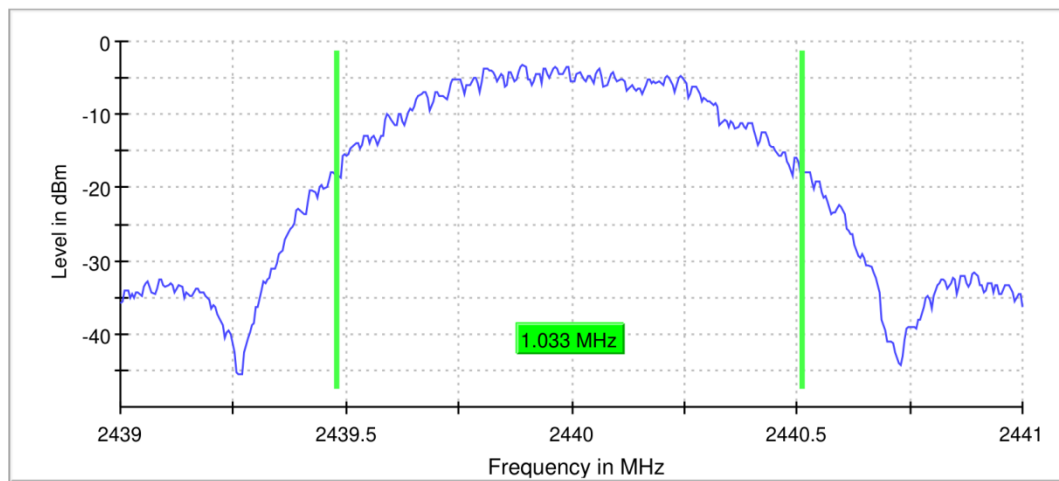
BLE_1M_ANT1_2402

99 % Bandwidth



BLE_1M_ANT1_2440

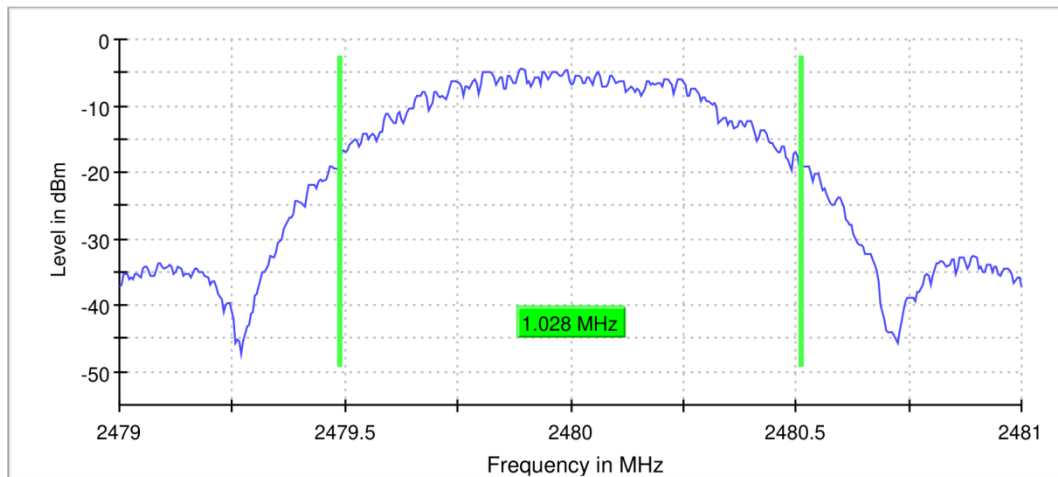
99 % Bandwidth



BLE_1M_ANT1_2480

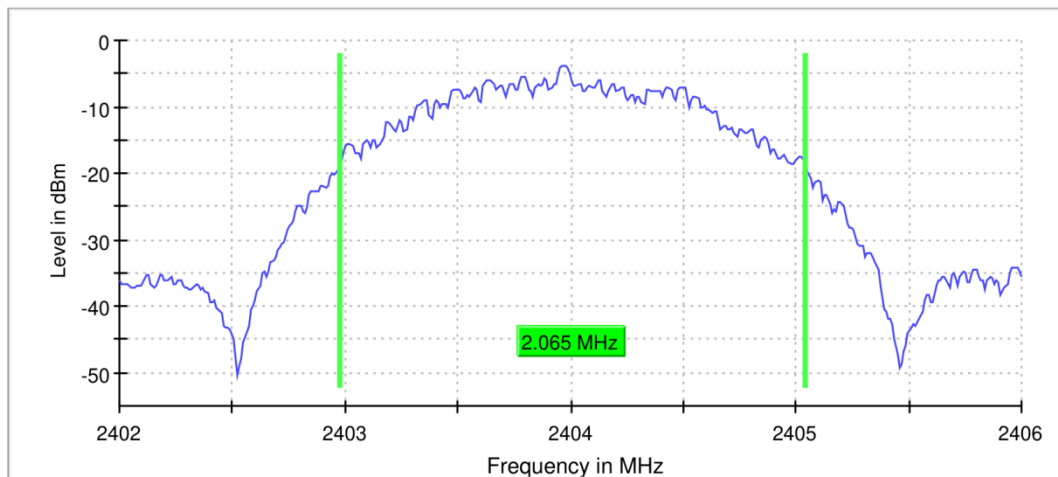


99 % Bandwidth



BLE_2M_ANT1_2404

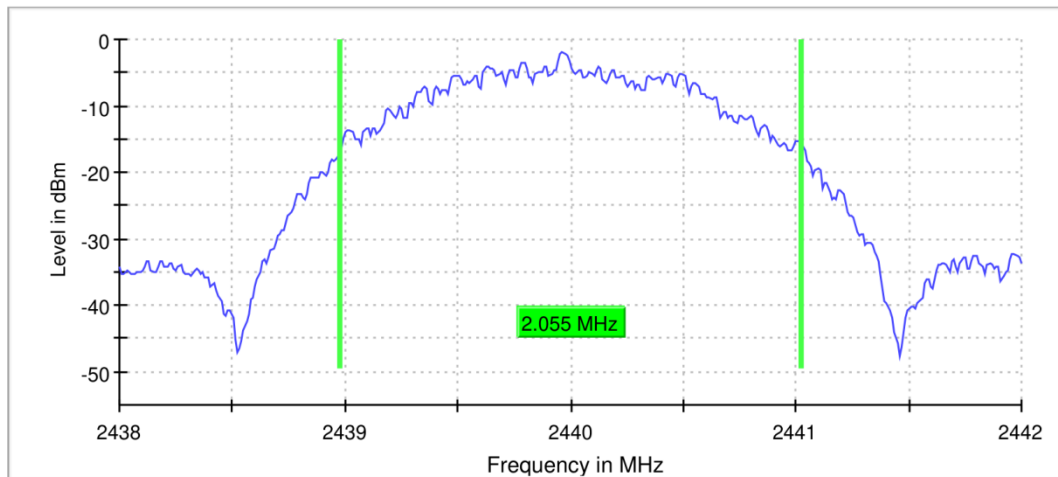
99 % Bandwidth



BLE_2M_ANT1_2440

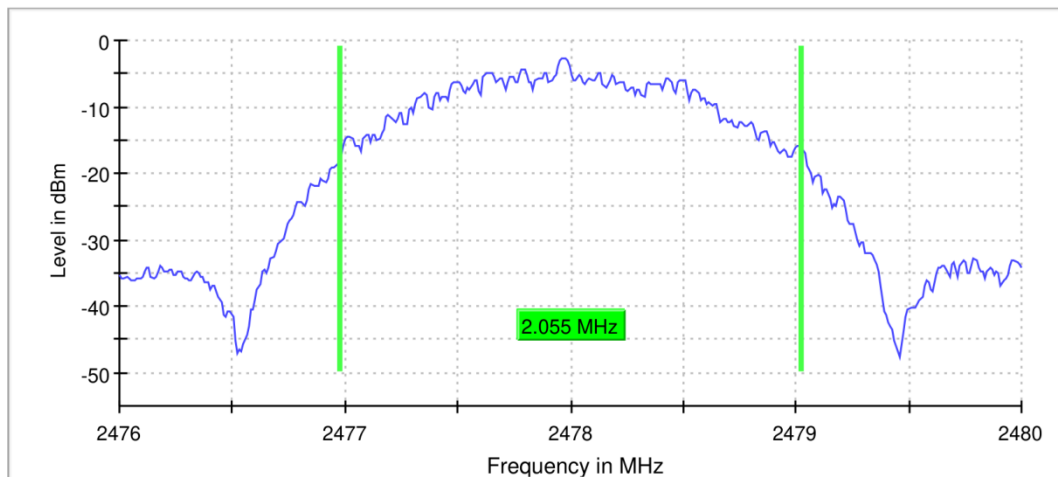


99 % Bandwidth

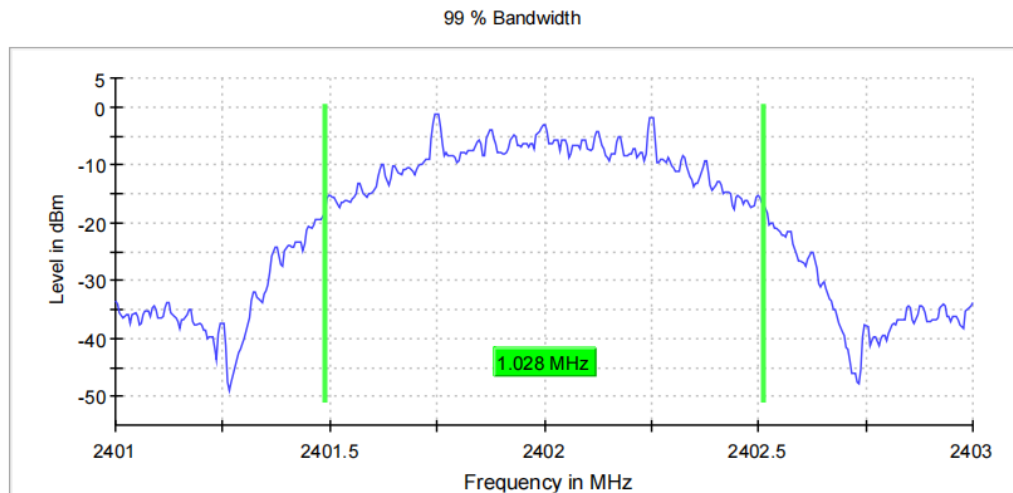


BLE_2M_ANT1_2478

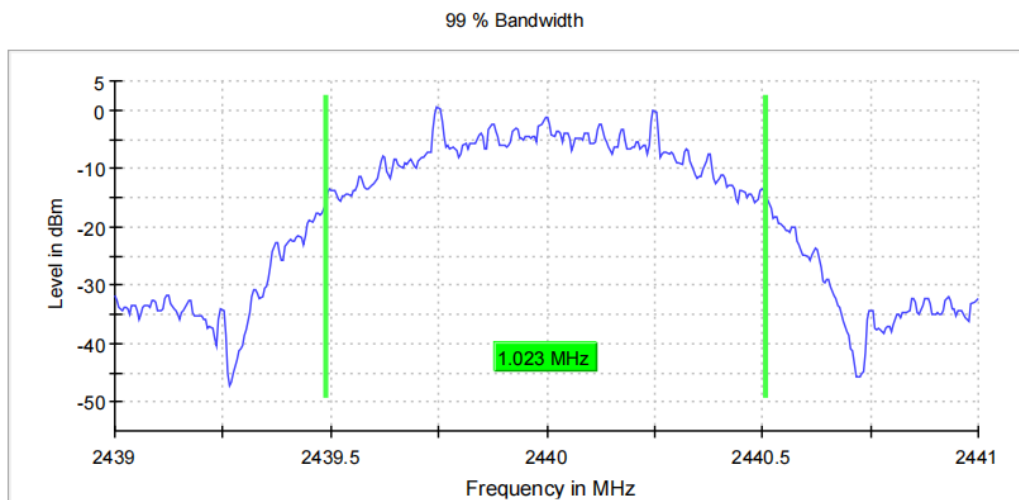
99 % Bandwidth



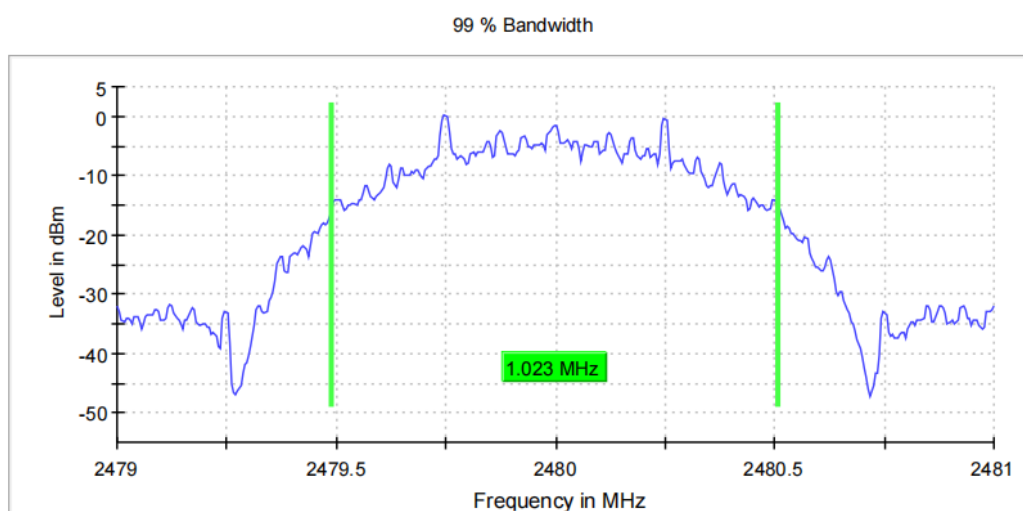
BLE_S2_ANT1_2402



BLE_S2_ANT1_2440



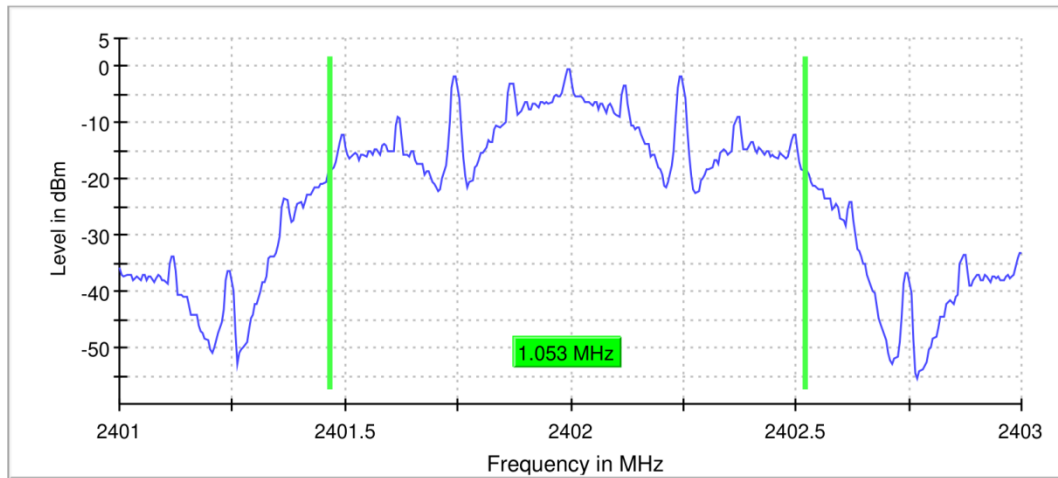
BLE_S2_ANT1_2480





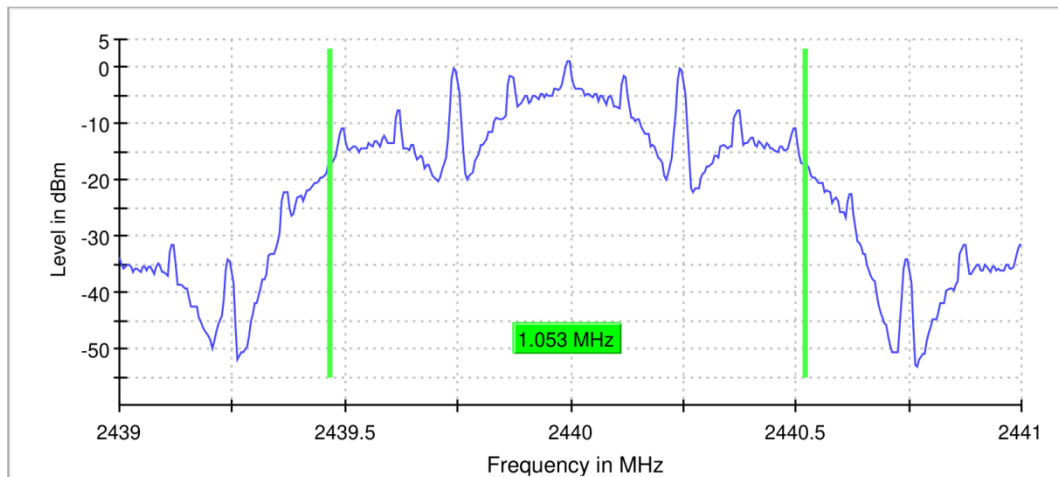
BLE_S8_ANT1_2402

99 % Bandwidth

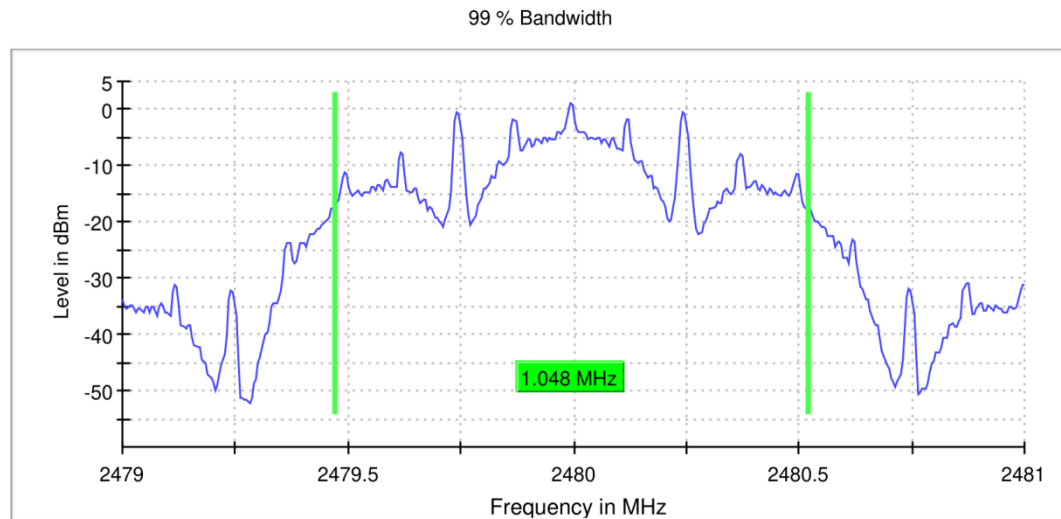


BLE_S8_ANT1_2440

99 % Bandwidth



BLE_S8_ANT1_2480



RBW 30.000 kHz

VBW 100.000 kHz

**MAXIMUM CONDUCTED OUTPUT POWER****TEST RESULT**

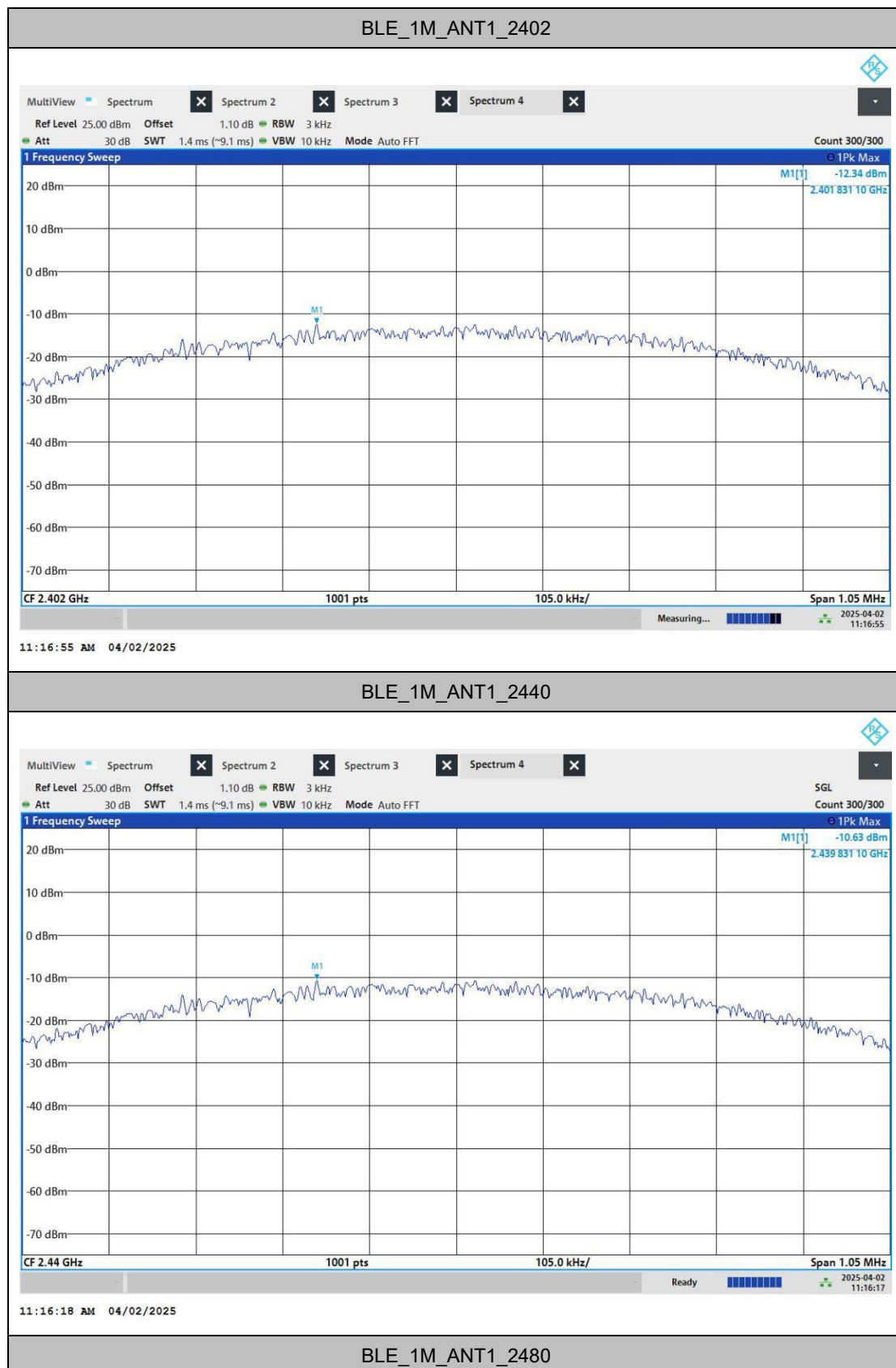
TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	4.66	5.16	3.28	≤30	PASS	Default
		2440	6.30	6.78	4.76	≤30	PASS	Default
		2480	5.58	6.09	4.06	≤30	PASS	Default
BLE_2M	Ant1	2402	4.01	4.42	2.77	≤30	PASS	Default
		2440	6.15	6.54	4.51	≤30	PASS	Default
		2480	5.19	5.63	3.66	≤30	PASS	Default
BLE_125k	Ant1	2402	4.05	4.38	2.74	≤30	PASS	Default
		2440	6.12	6.50	4.47	≤30	PASS	Default
		2480	4.71	5.14	3.27	≤30	PASS	Default
BLE_500K	Ant1	2402	4.20	4.54	2.84	≤30	PASS	Default
		2440	5.63	6.04	4.02	≤30	PASS	Default
		2480	4.84	5.26	3.36	≤30	PASS	Default

**MAXIMUM POWER SPECTRAL DENSITY****TEST RESULT**

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	ANT1	2402	-12.34	≤8	PASS
		2440	-10.63	≤8	PASS
		2480	-11.52	≤8	PASS
BLE_2M	ANT1	2404	-14.71	≤8	PASS
		2440	-12.67	≤8	PASS
		2478	-13.37	≤8	PASS
BLE_S2	ANT1	2402	-4.33	≤8	PASS
		2440	-3.13	≤8	PASS
		2480	-1.29	≤8	PASS
BLE_S8	ANT1	2402	-2.22	≤8	PASS
		2440	-0.38	≤8	PASS
		2480	-1.11	≤8	PASS



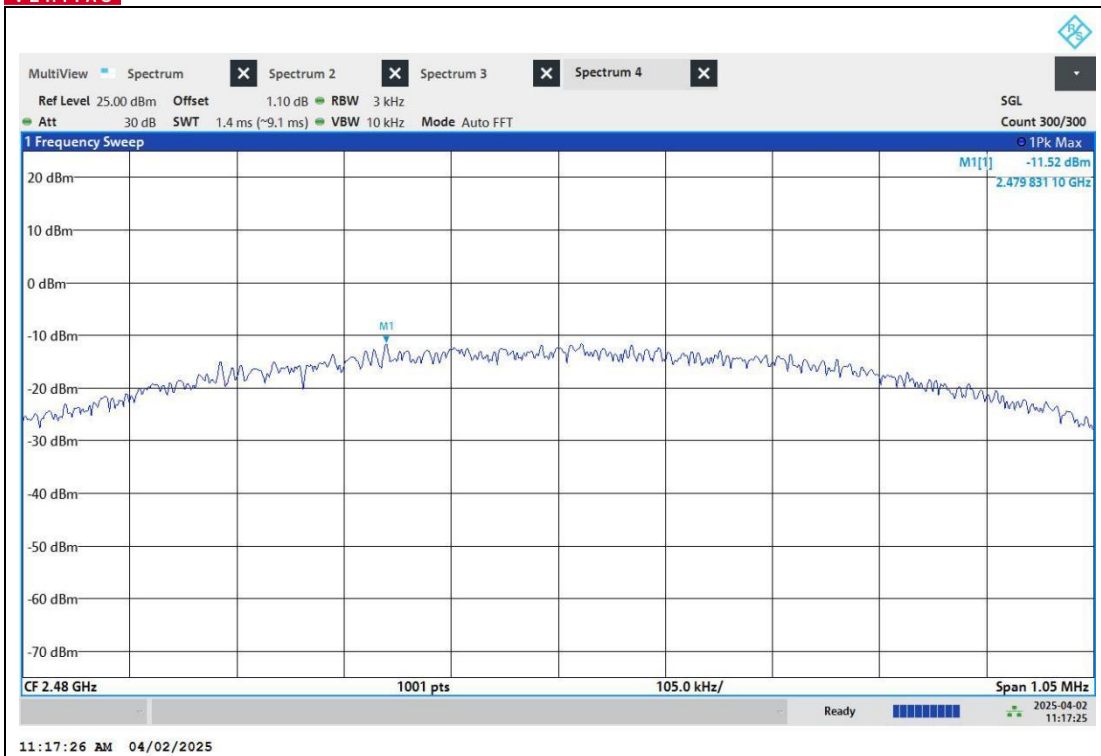
BUREAU VERITAS Test Report No.: PSU-QSU2503210311RF06
TEST GRAPHS



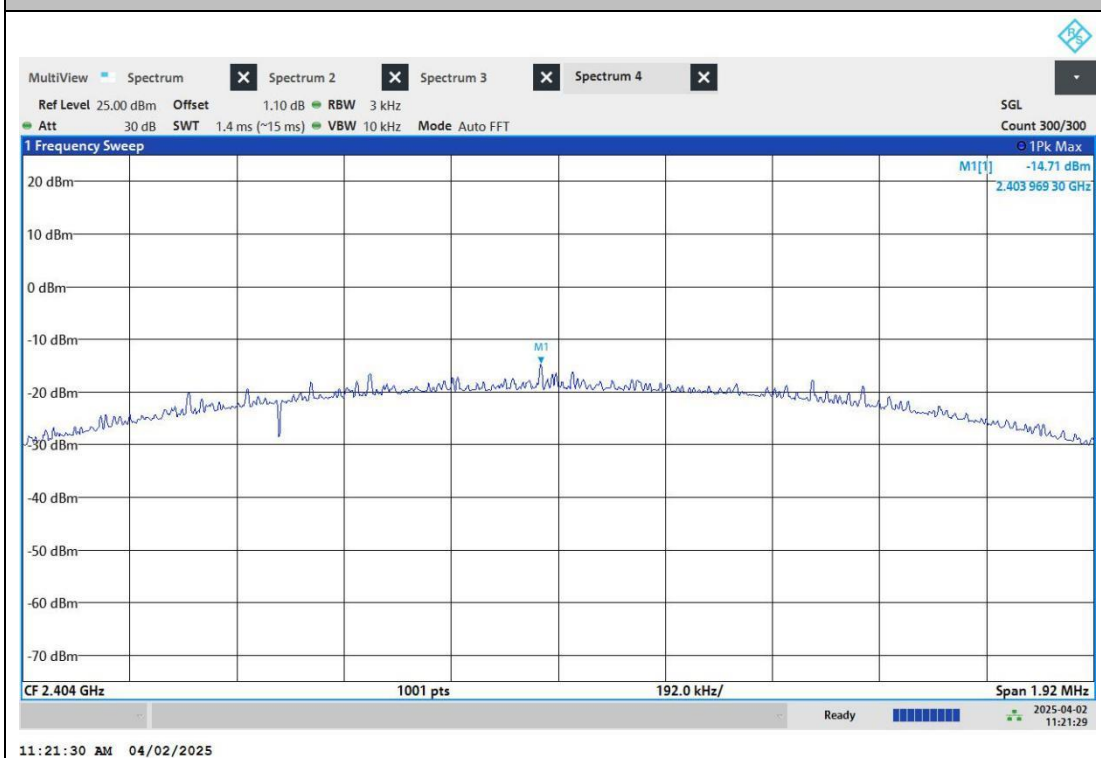


BUREAU
VERITAS

Test Report No.: PSU-QSU2503210311RF06



BLE_2M_ANT1_2404

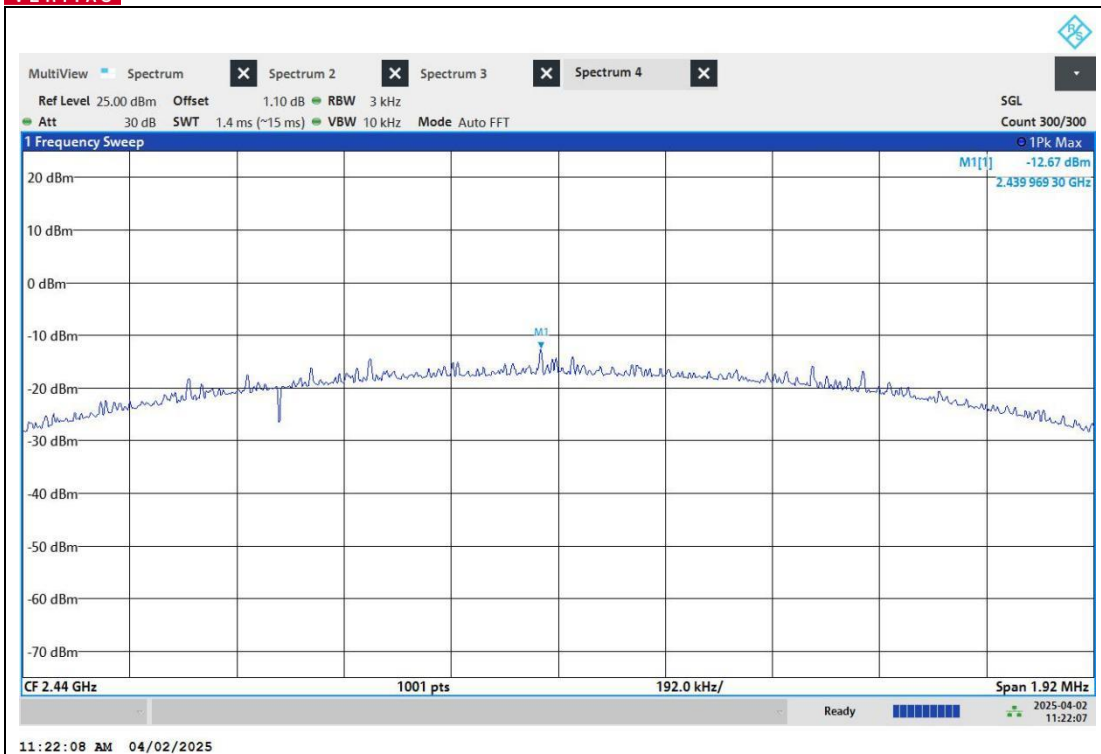


BLE_2M_ANT1_2440

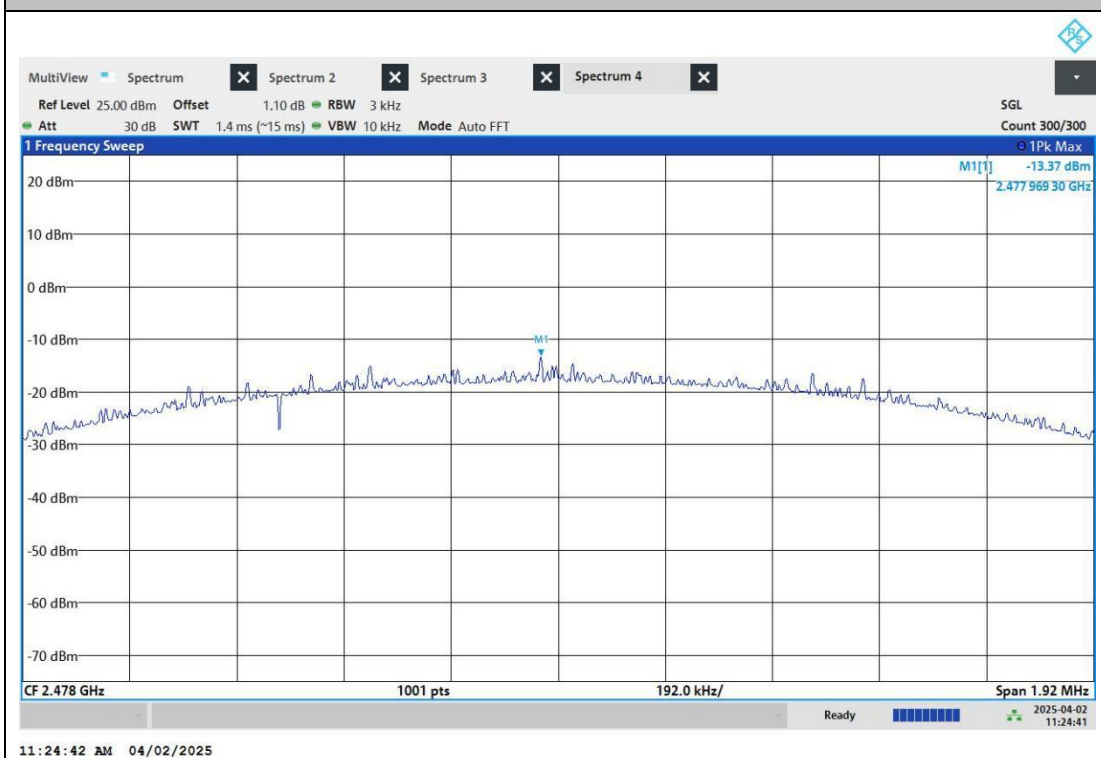
Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BLE_2M_ANT1_2478

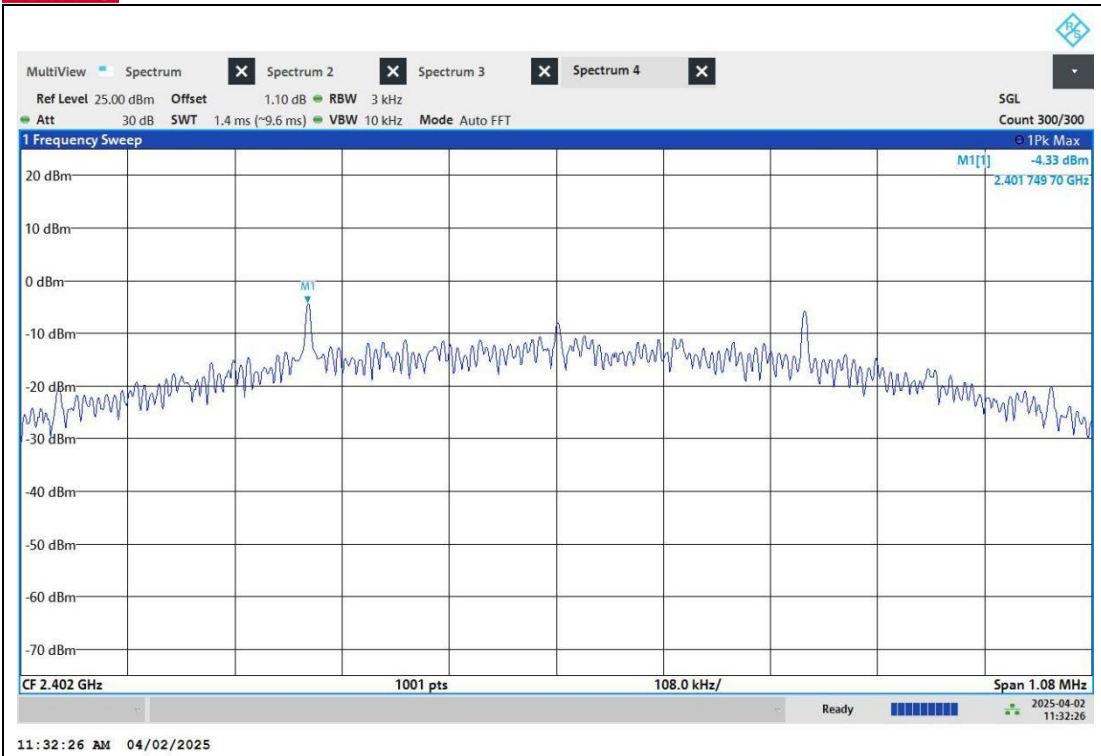


BLE_S2_ANT1_2402

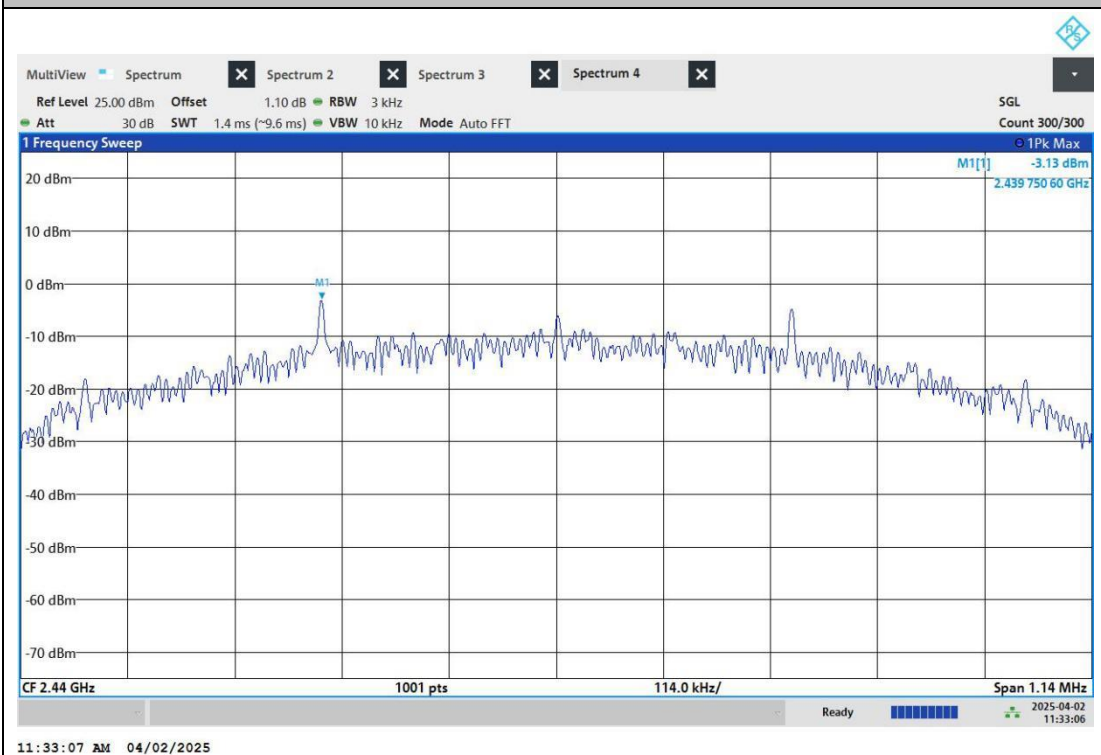


BUREAU
VERITAS

Test Report No.: PSU-QSU2503210311RF06



BLE_S2_ANT1_2440



BLE_S2_ANT1_2480

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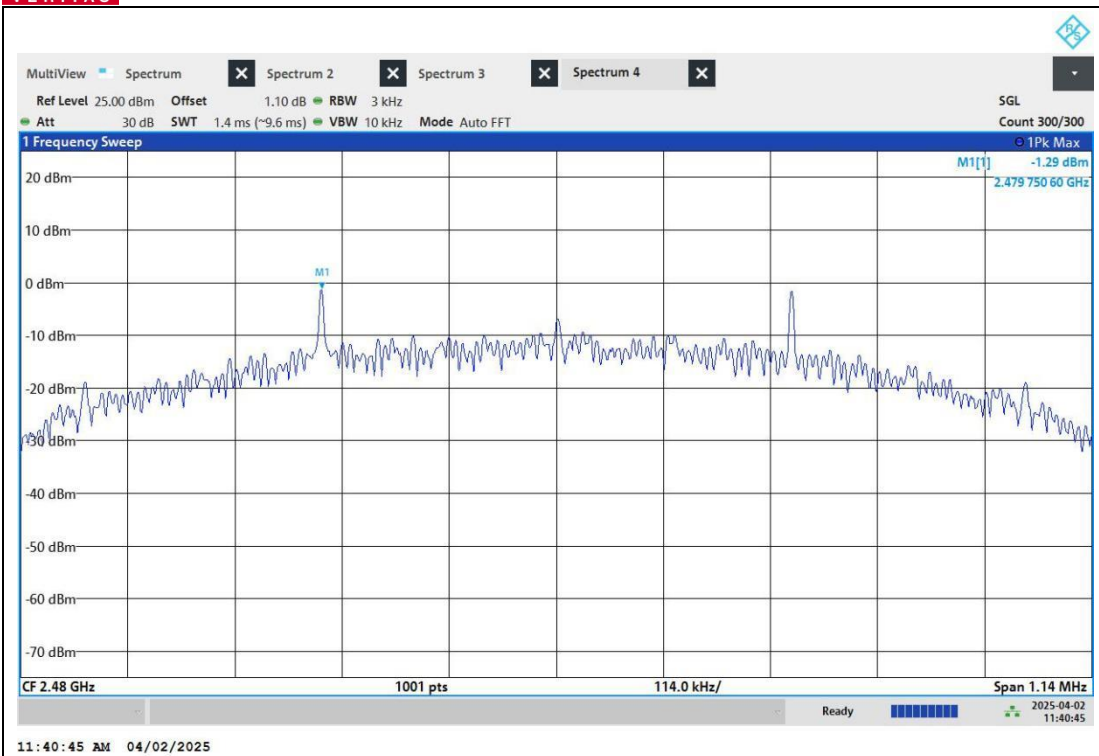
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

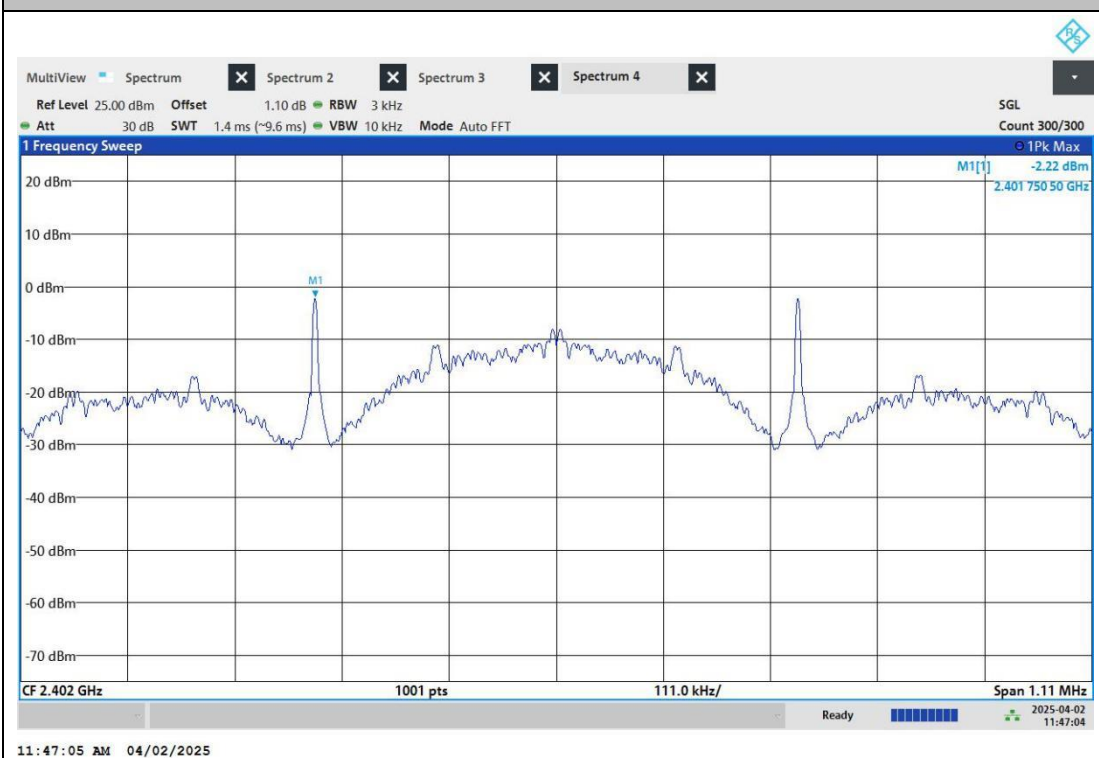


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VERITAS

Test Report No.: PSU-QSU2503210311RF06



BLE_S8_ANT1_2402

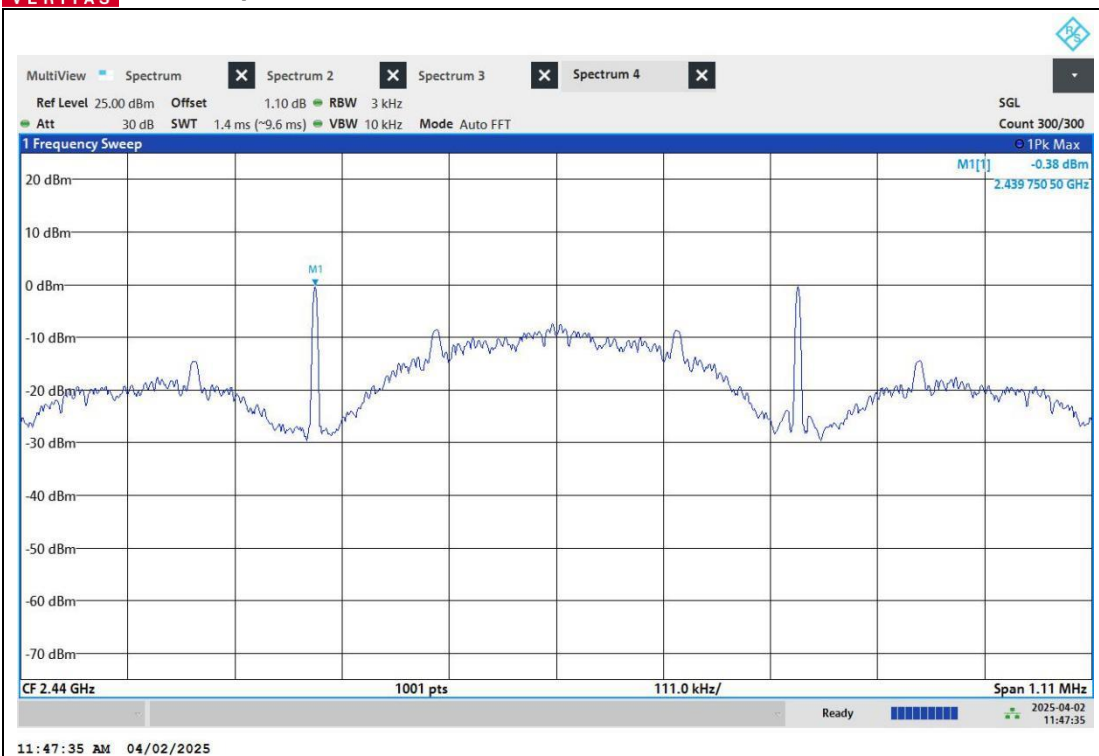


BLE_S8_ANT1_2440

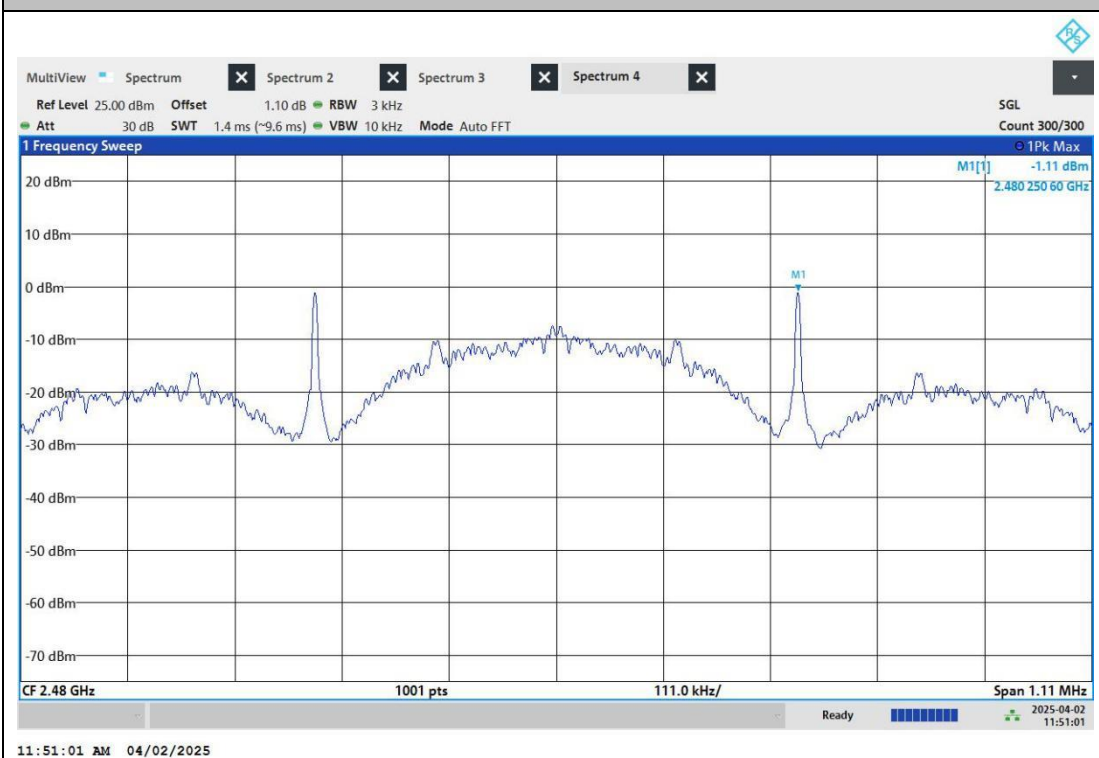
Huarui 7layers High Technology
(Suzhou) Co., Ltd.

Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008



BLE_S8_ANT1_2480



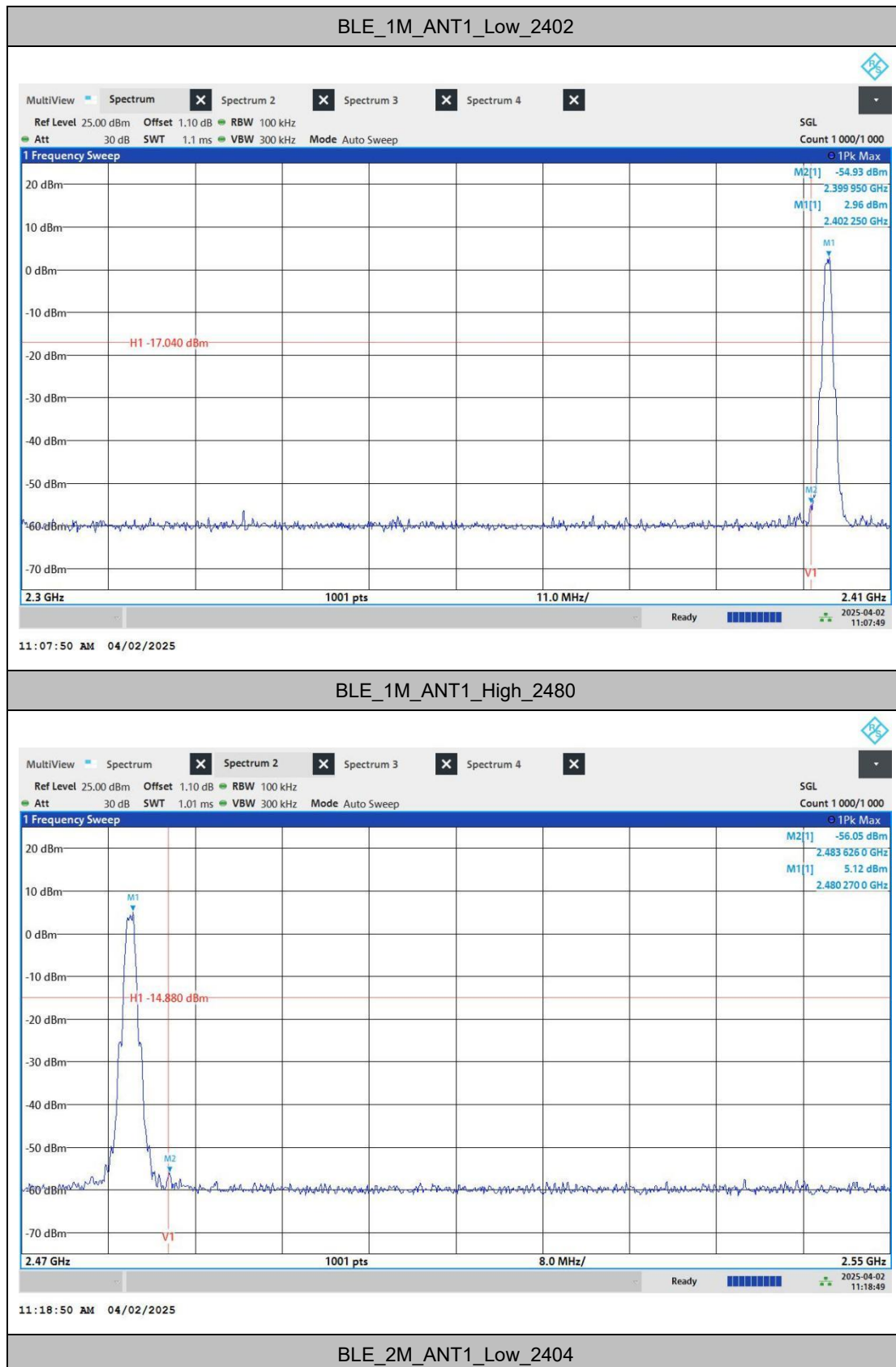
**BAND EDGE MEASUREMENTS****TEST RESULT**

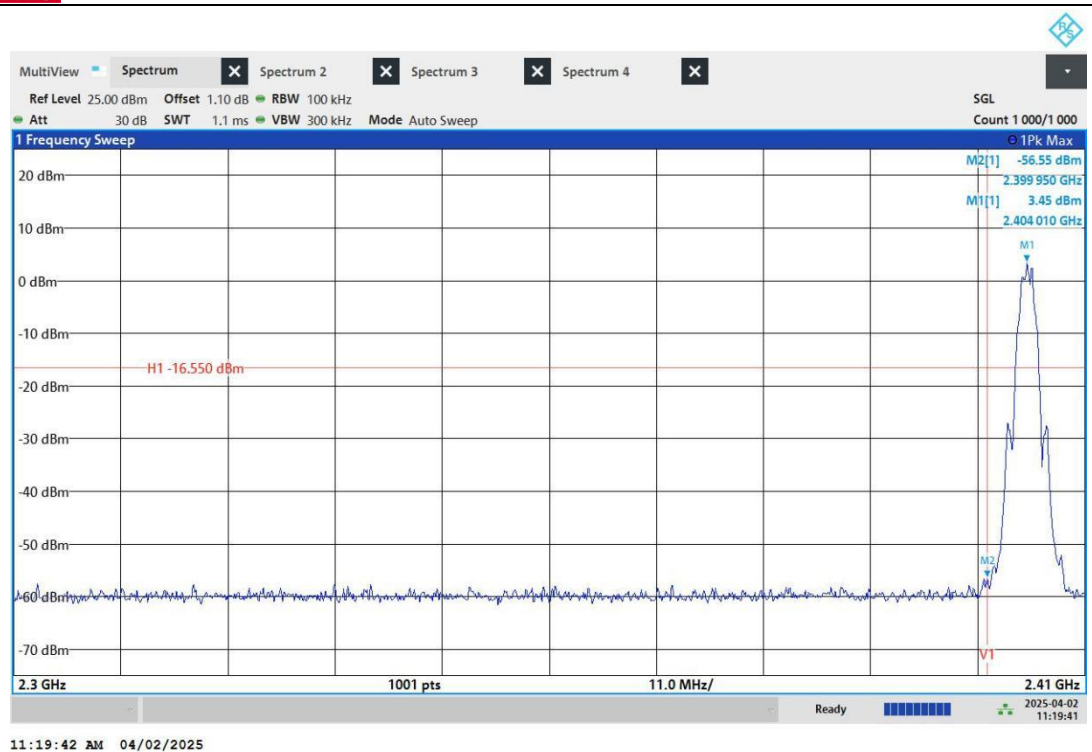
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT1	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS
BLE_2M	ANT1	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS
BLE_S2	ANT1	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS
BLE_S8	ANT1	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS



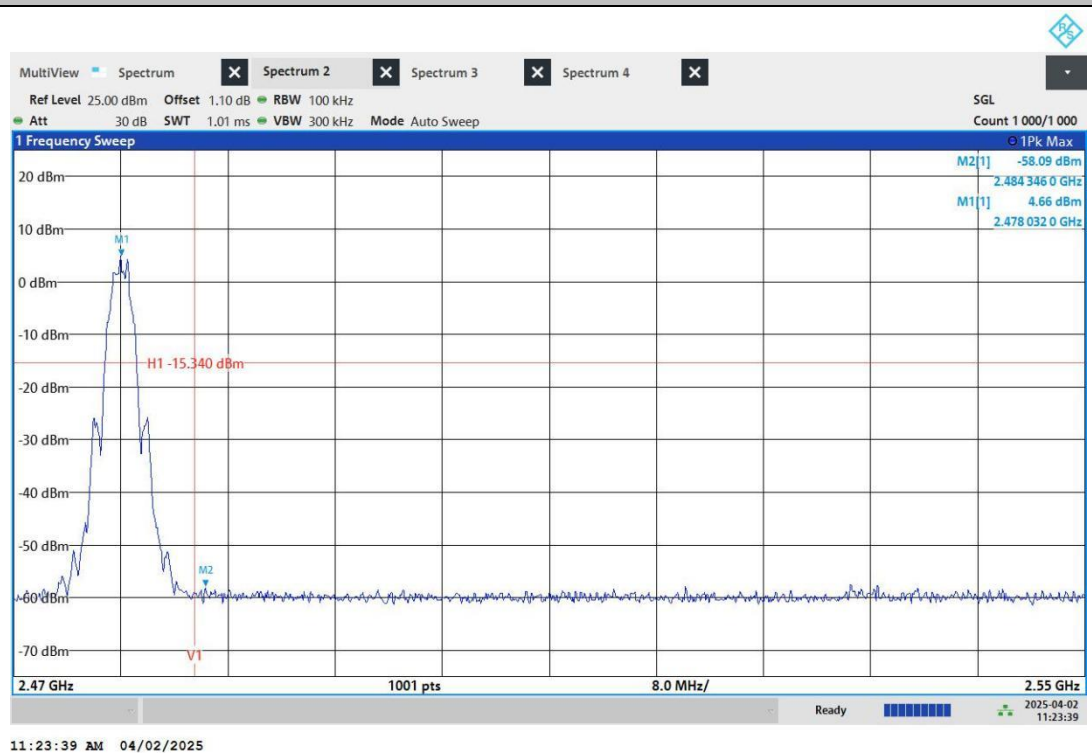
BUREAU
VERITAS

Test Report No.: PSU-QSU2503210311RF06 TEST GRAPHS

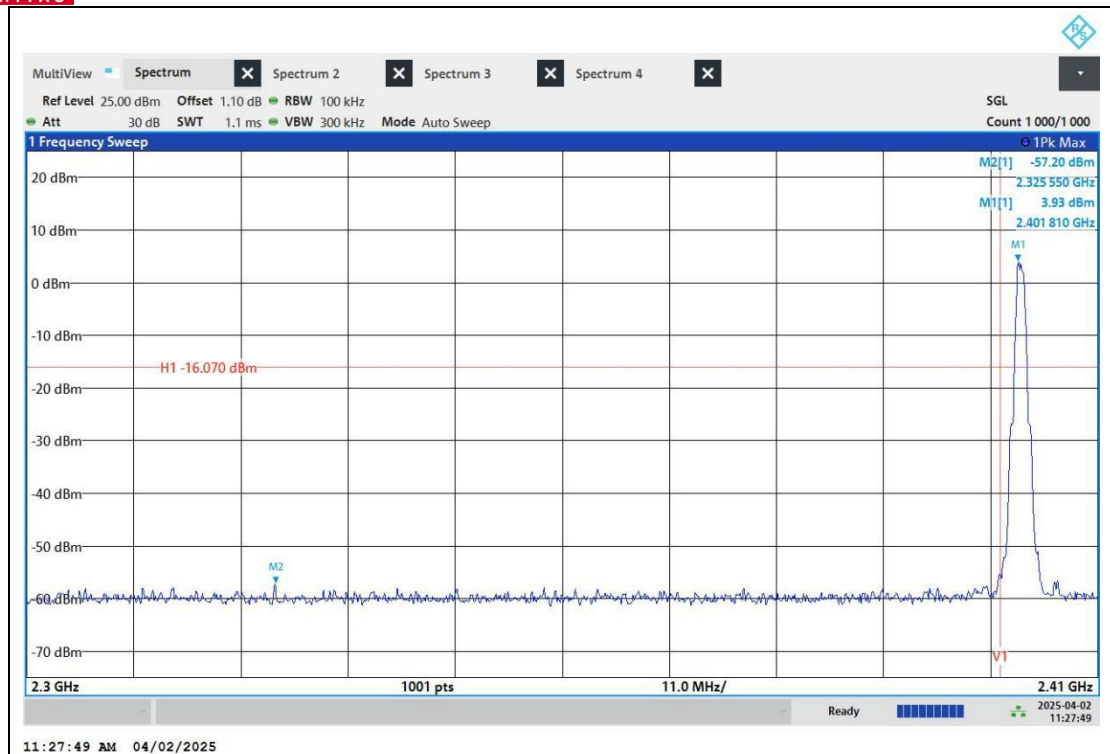




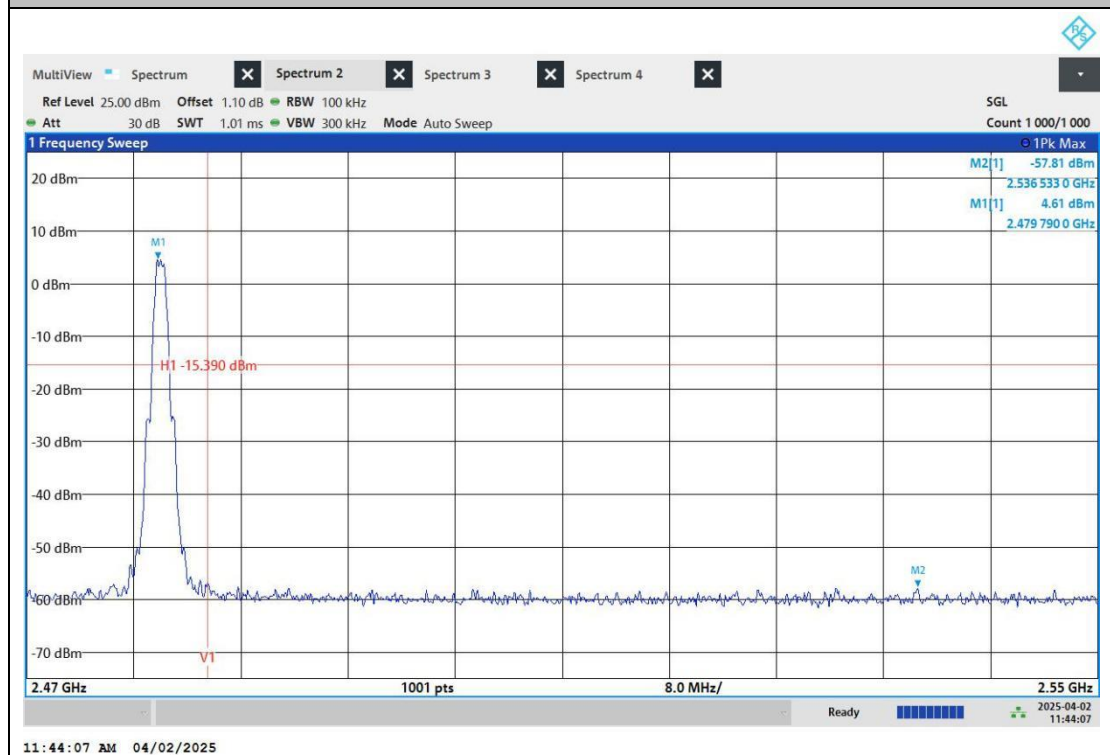
BLE_2M_ANT1_High_2478



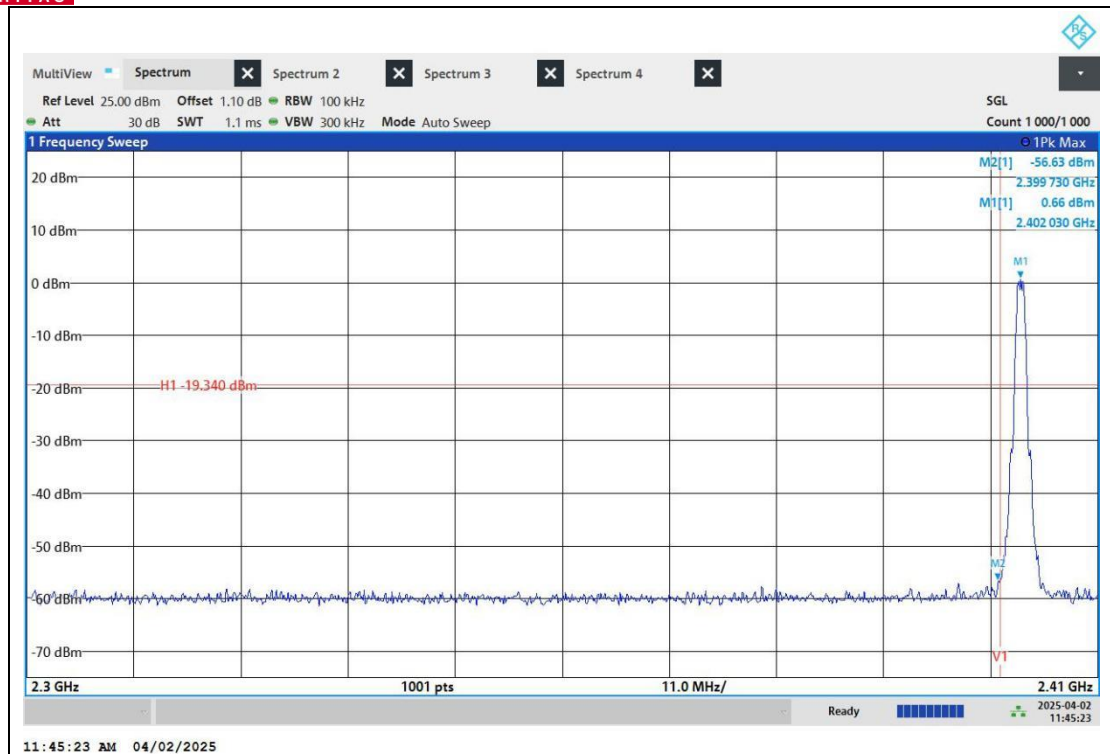
BLE_S2_ANT1_Low_2402



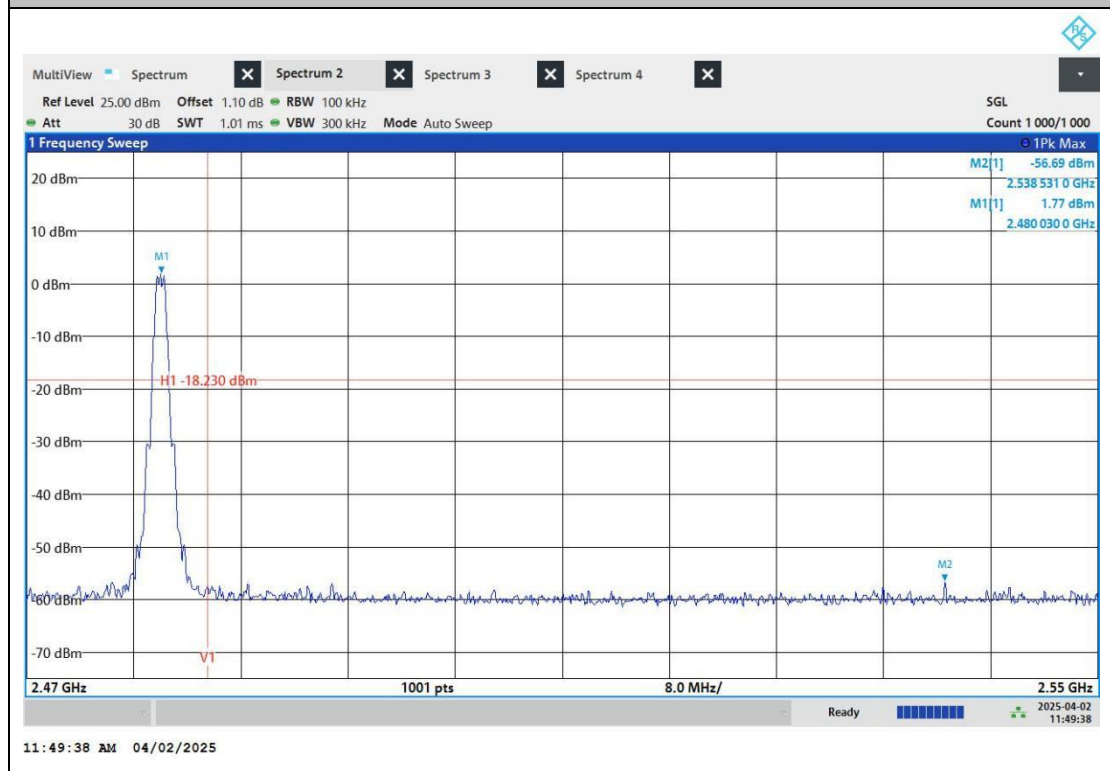
BLE_S2_ANT1_High_2480



BLE_S8_ANT1_Low_2402



BLE_S8_ANT1_High_2480



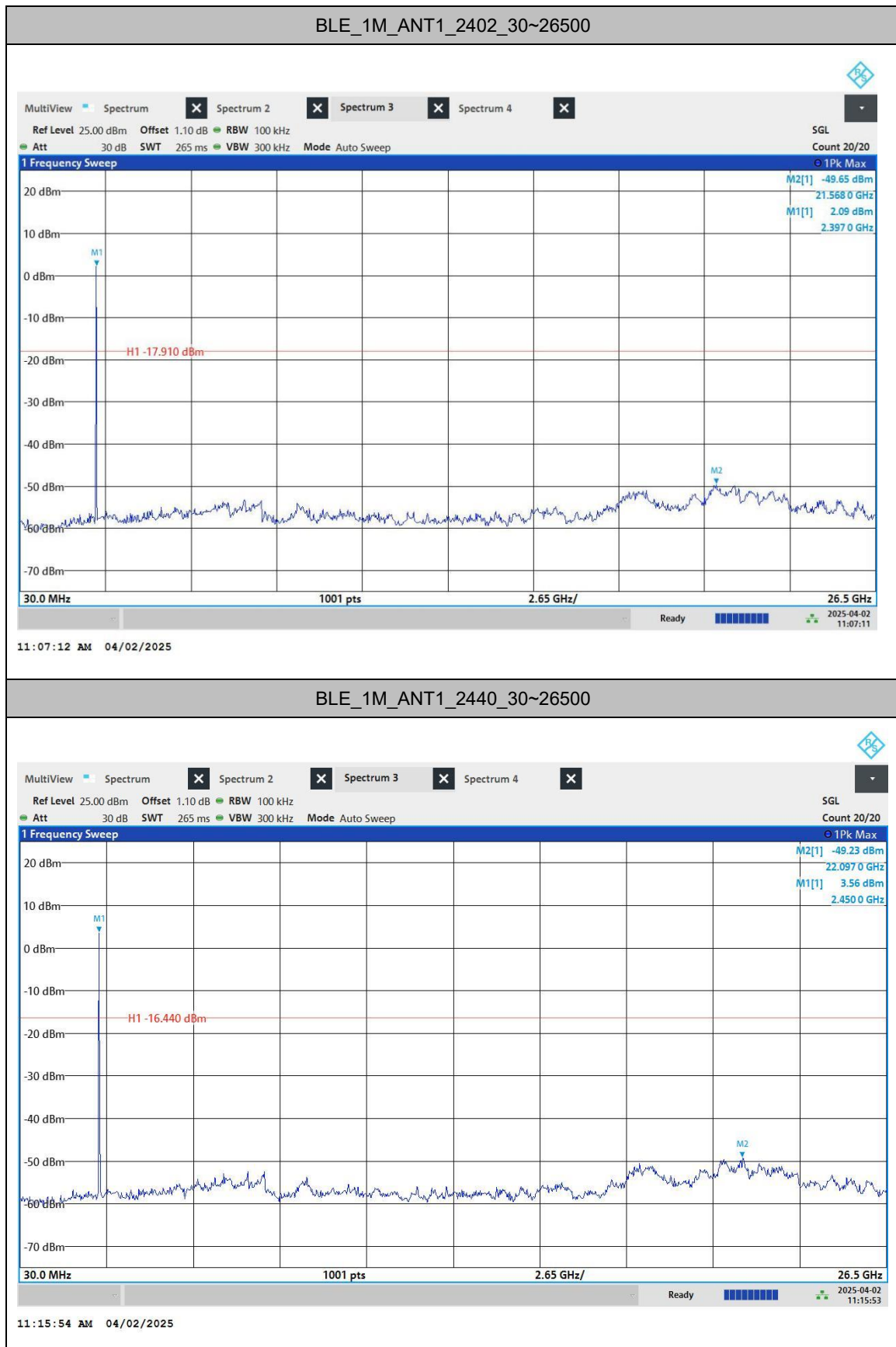
**CONDUCTED SPURIOUS EMISSION****TEST RESULT**

TestMode	Antenna	Channel	FreqRange [MHz]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT1	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS
BLE_2M	ANT1	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS
BLE_S2	ANT1	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS
BLE_S8	ANT1	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS



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VERITAS

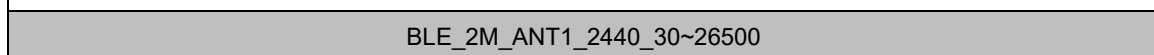
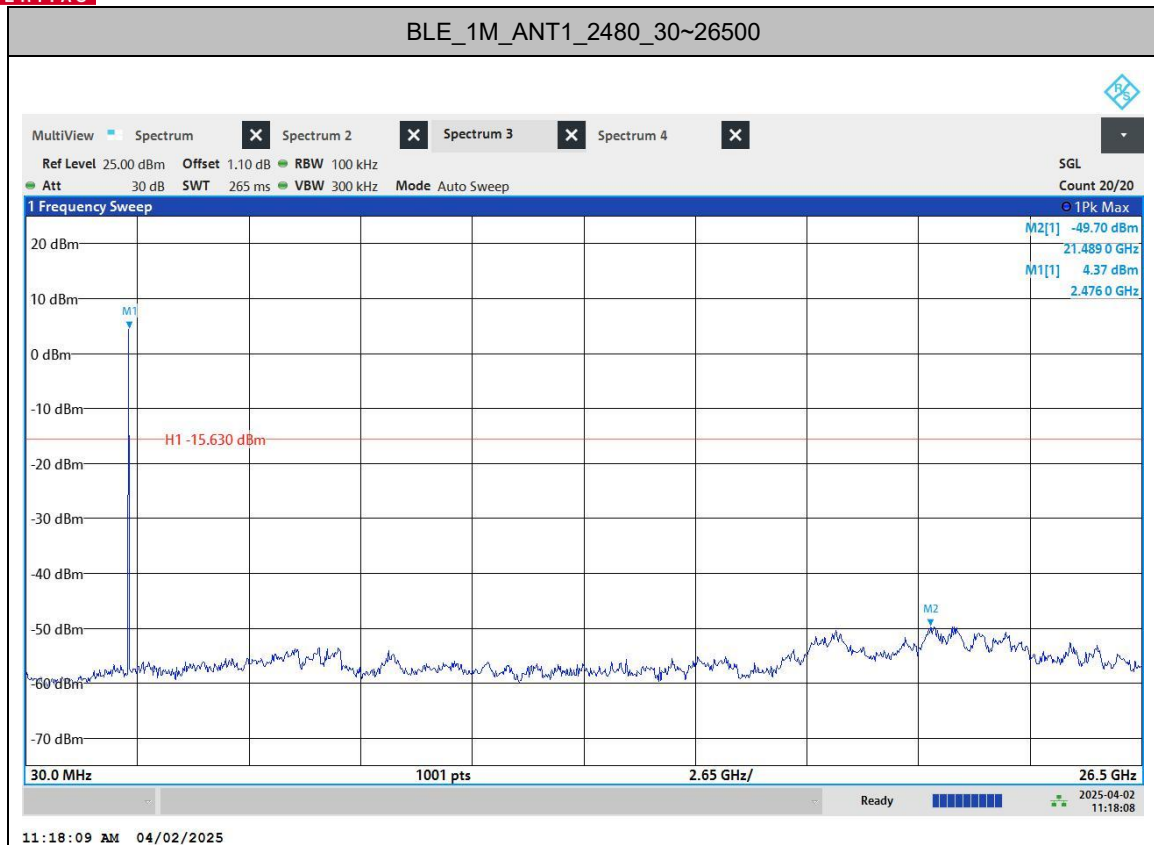
Test Report No.: PSU-QSU2503210311RF06 TEST GRAPHS

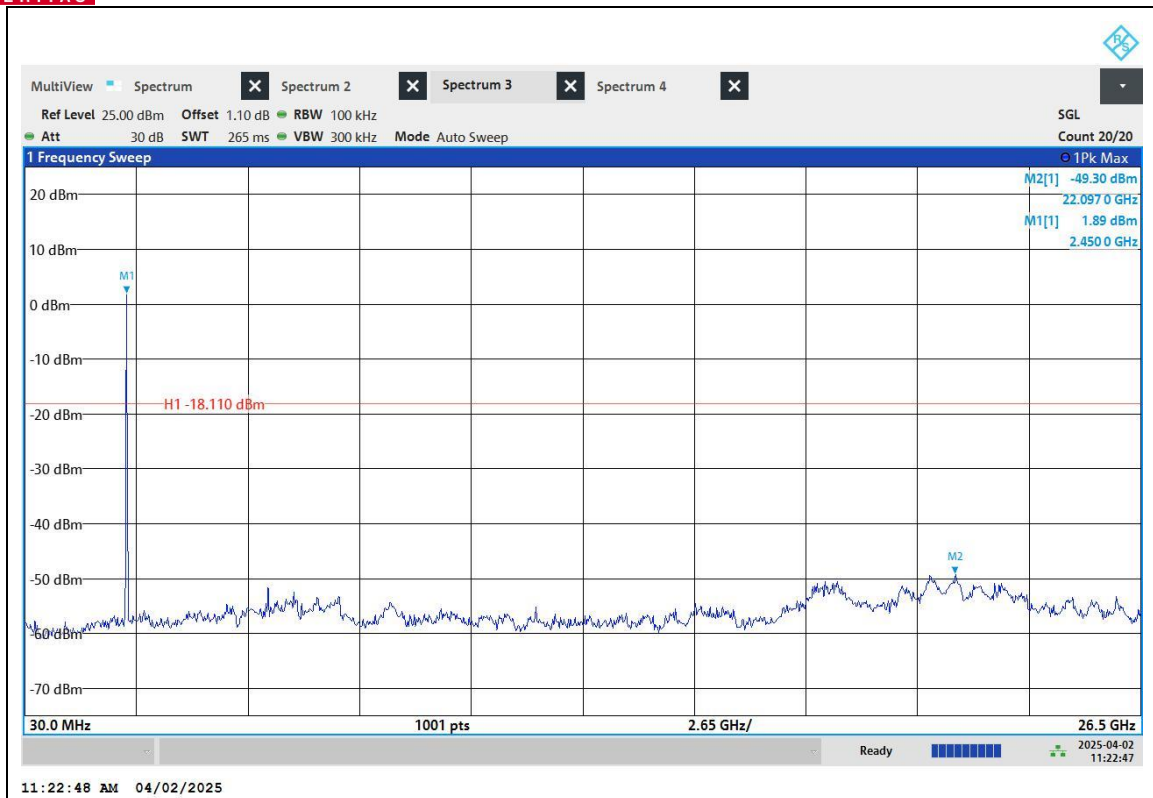


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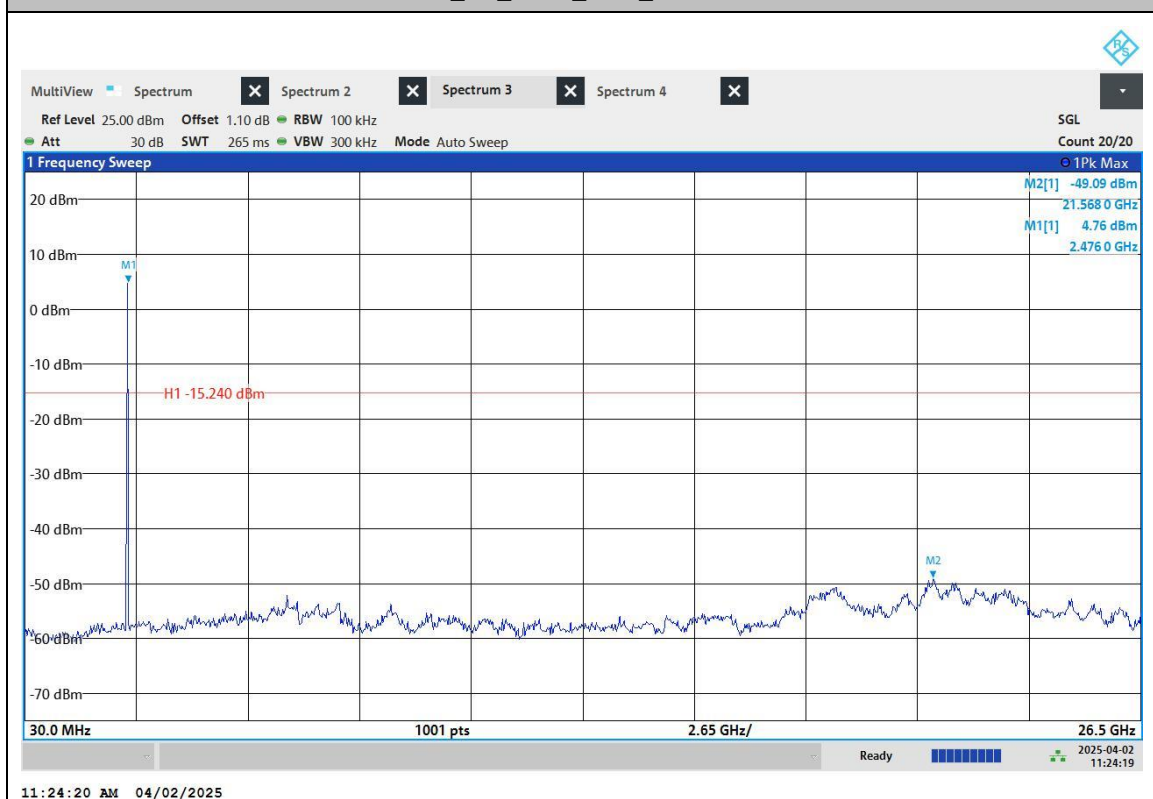
Tower N, Innovation Center, 88 Zuyi Road, High-tech
District, Suzhou City, Anhui Province, China

Tel: +86 (0557) 368 1008

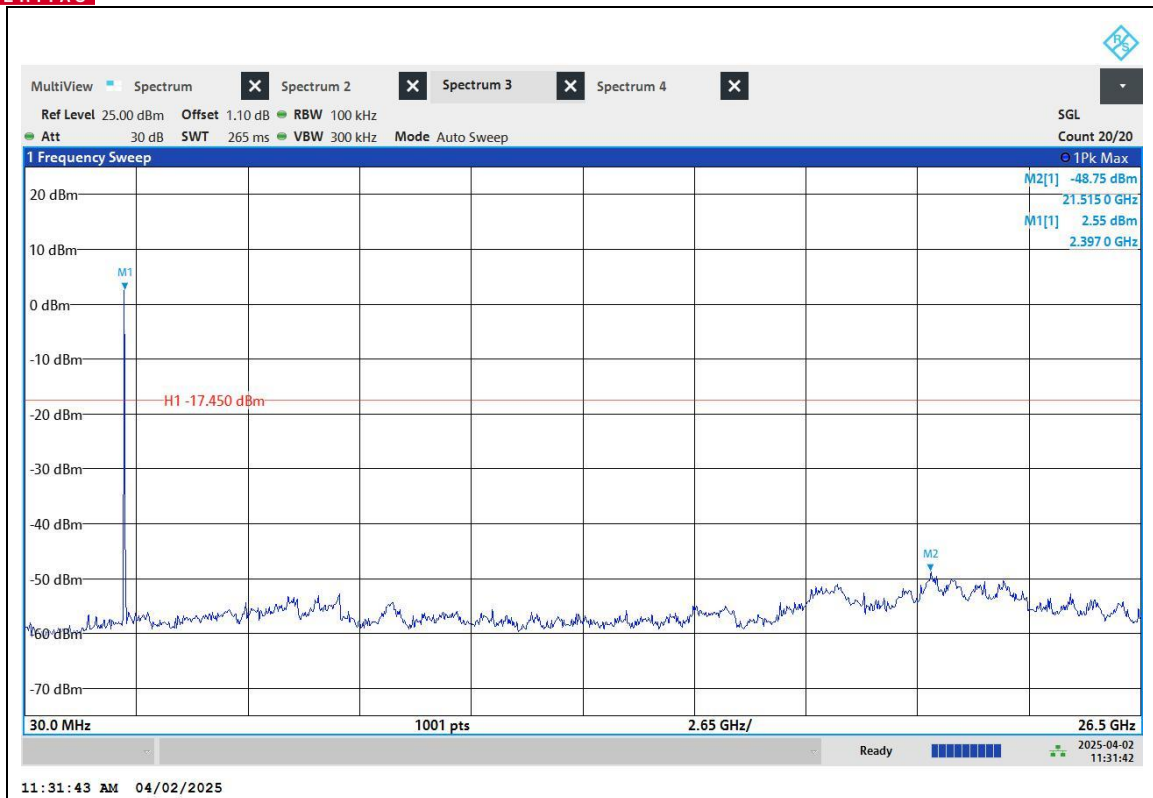




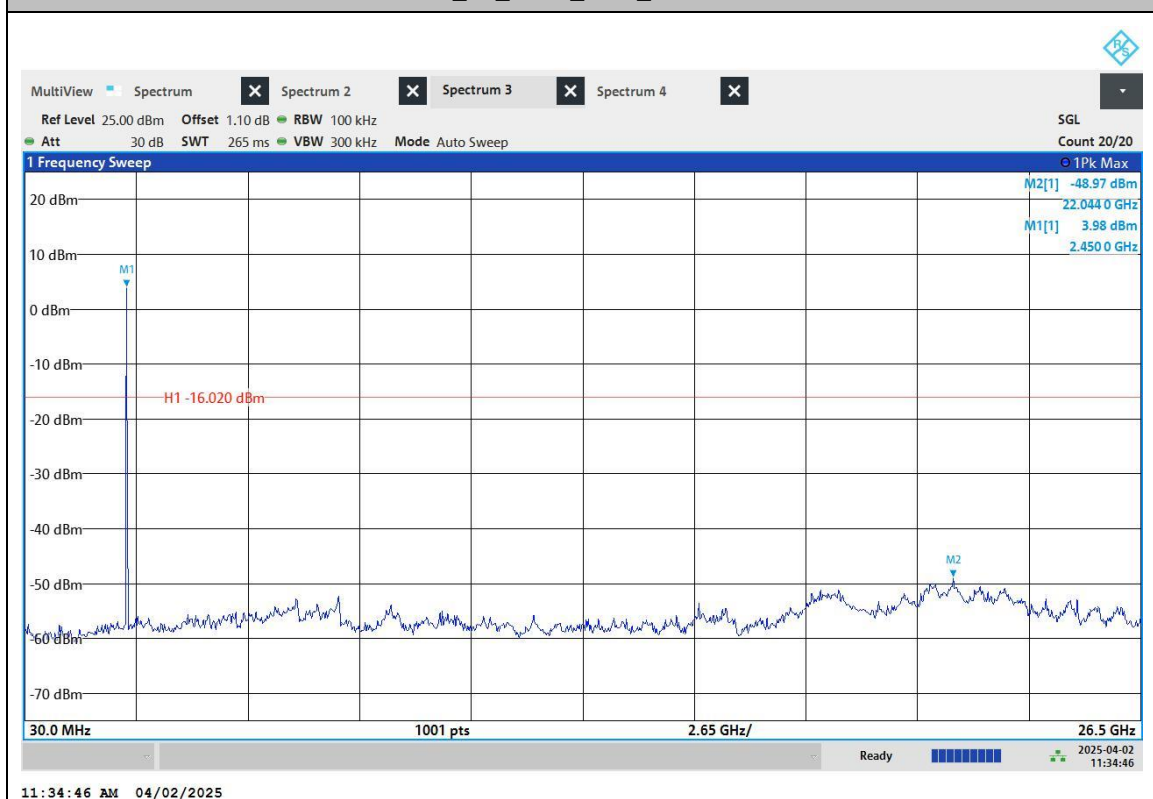
BLE_2M_ANT1_2478_30~26500



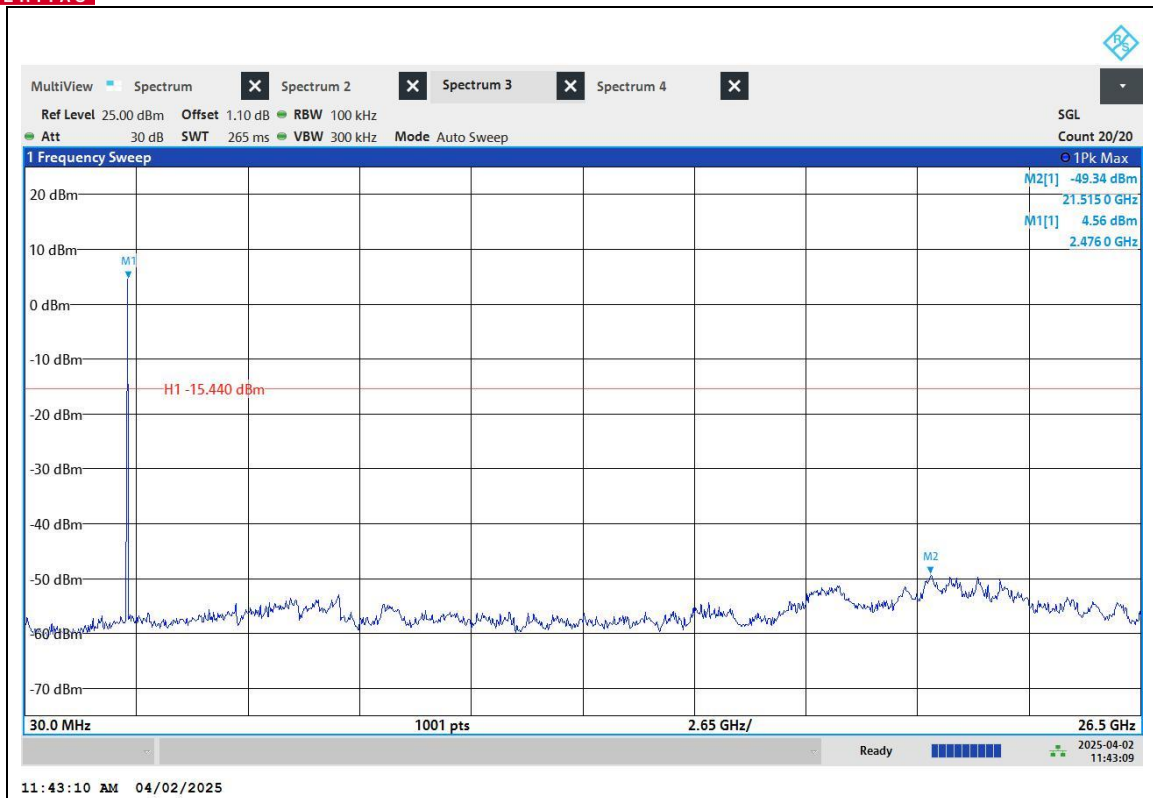
BLE_S2_ANT1_2402_30~26500



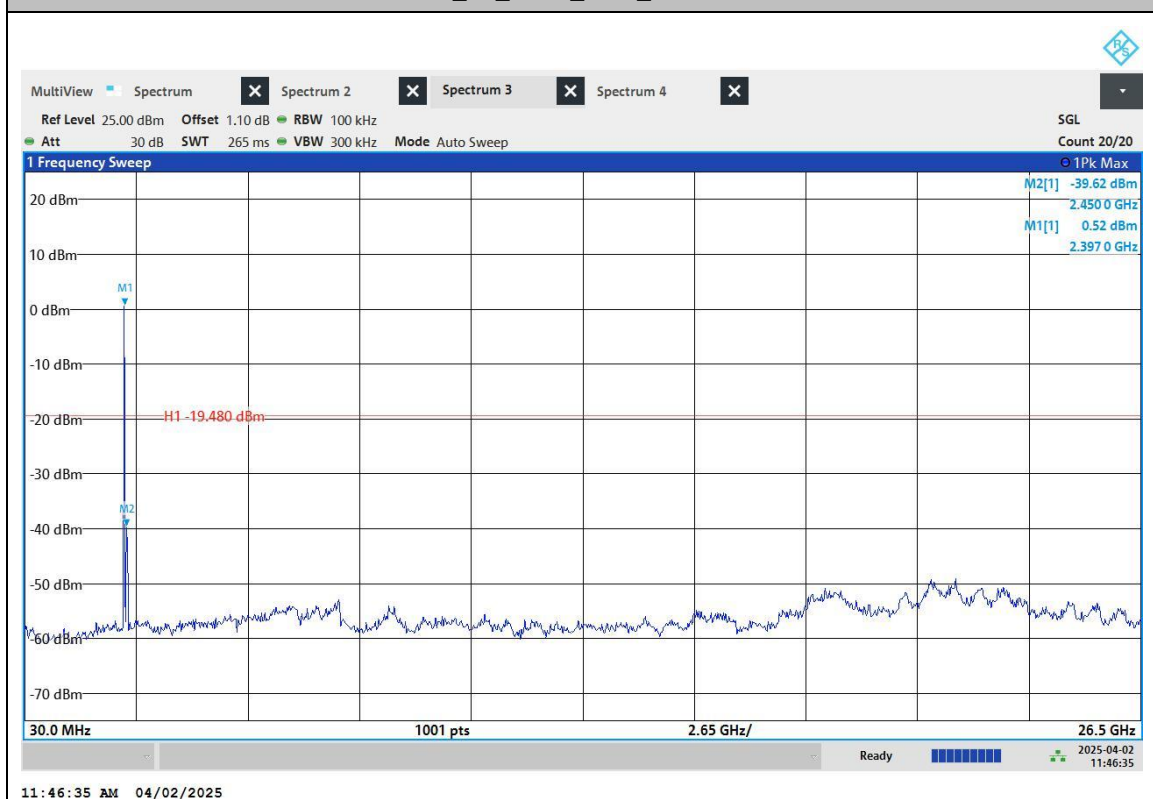
BLE_S2_ANT1_2440_30~26500



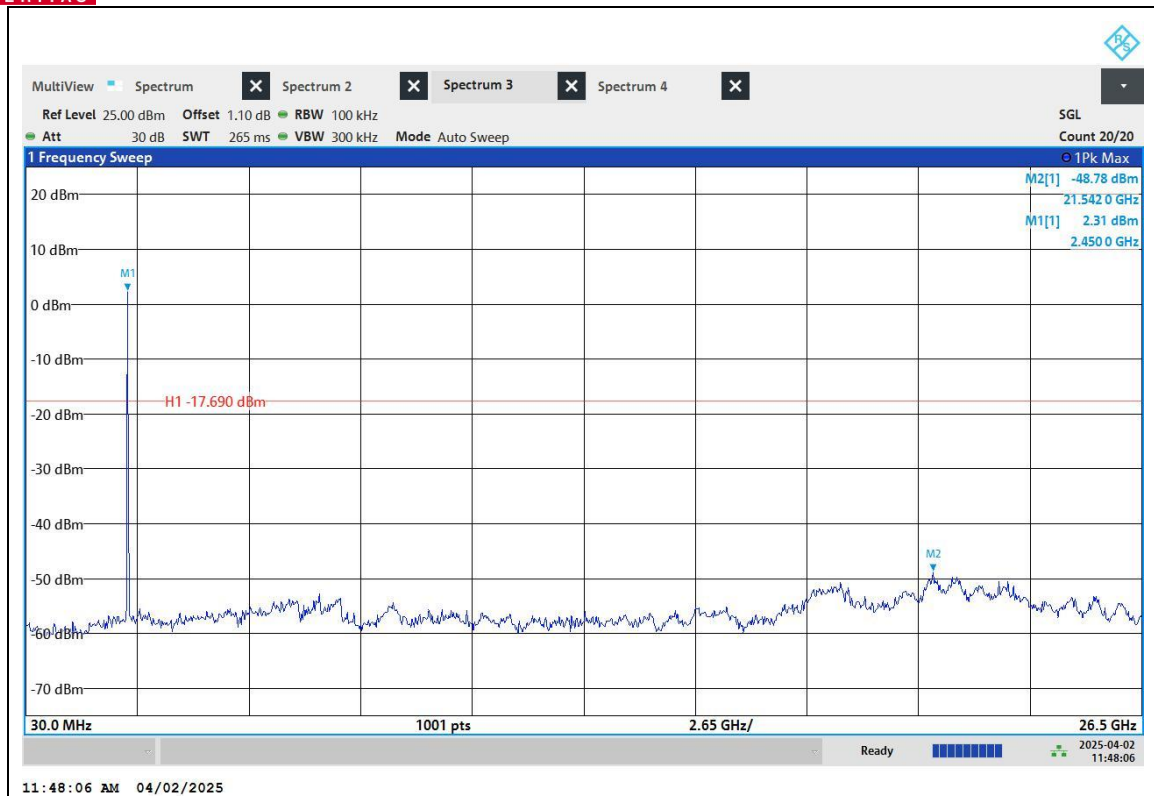
BLE_S2_ANT1_2480_30~26500



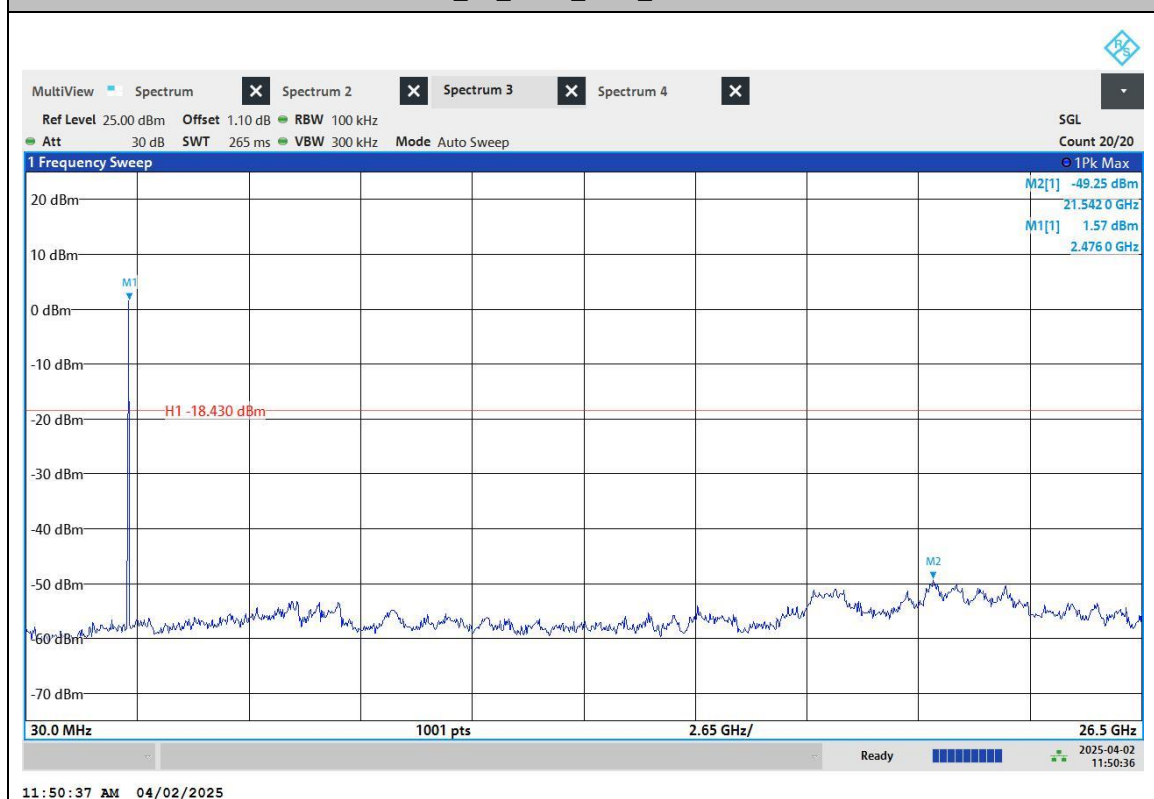
BLE_S8_ANT1_2402_30~26500



BLE_S8_ANT1_2440_30~26500



BLE_S8_ANT1_2480_30~26500





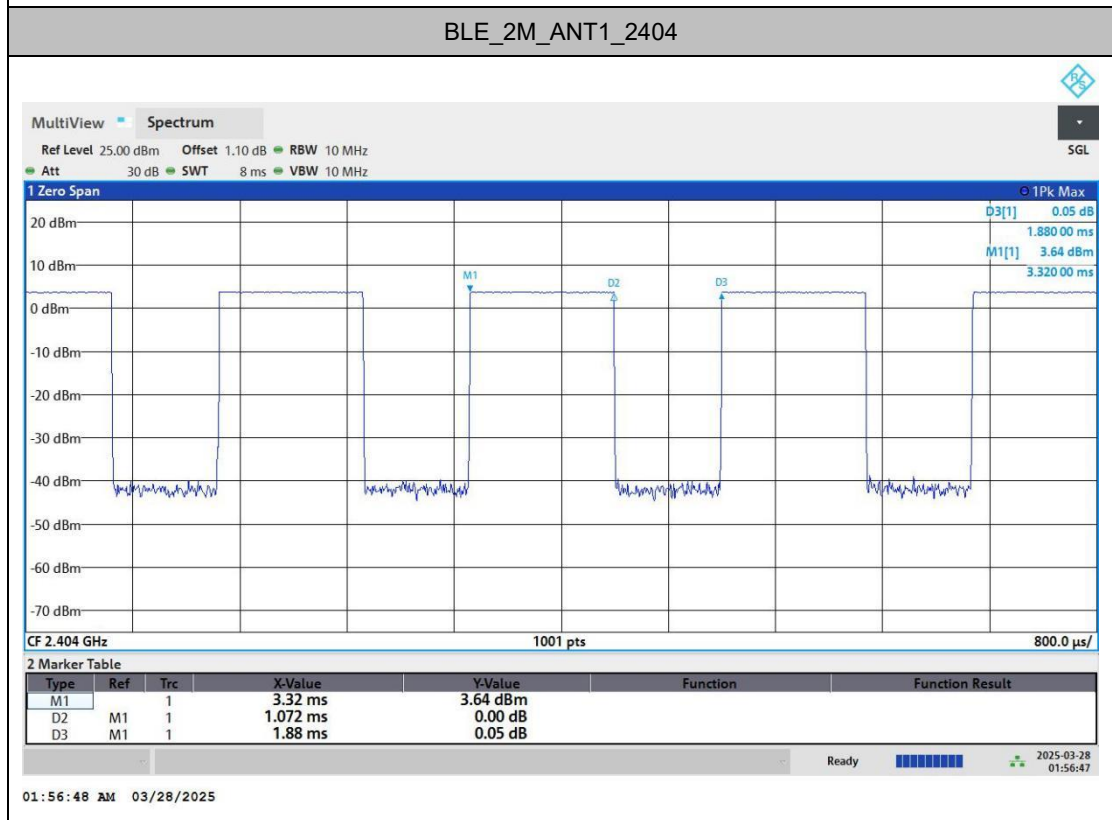
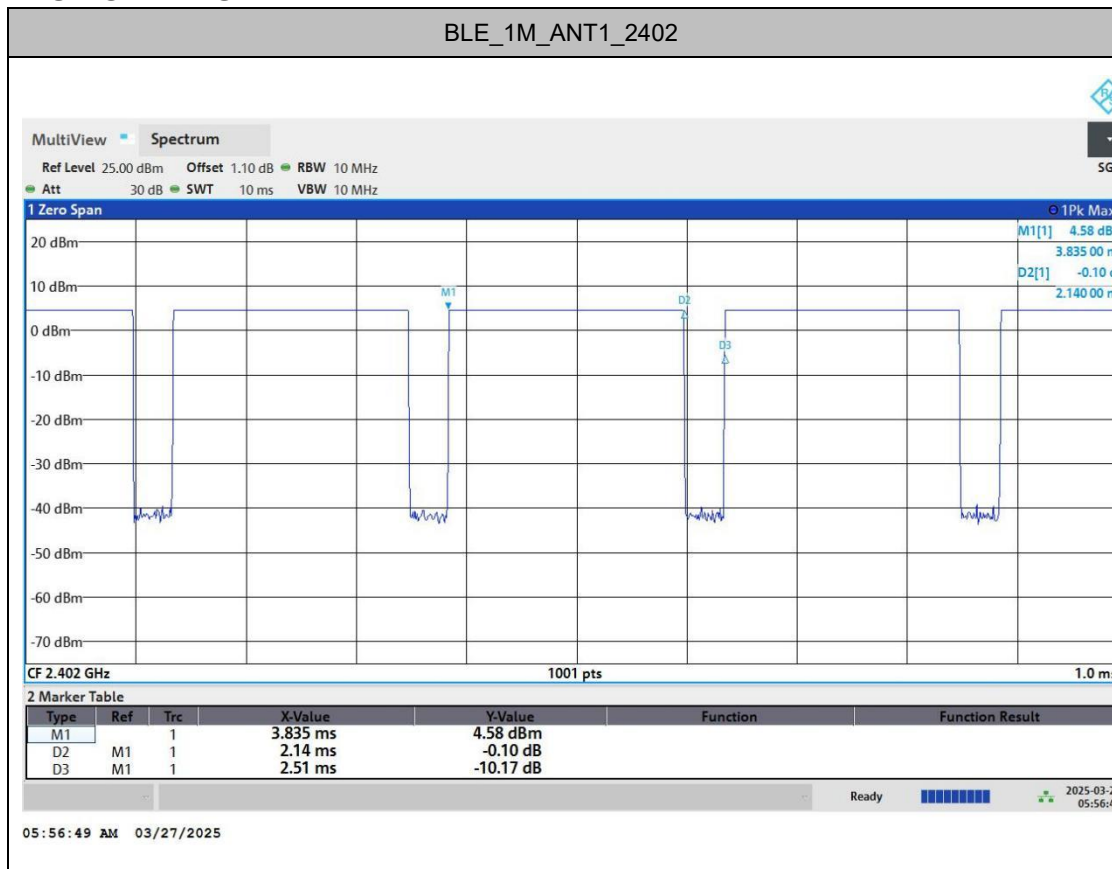
DUTY CYCLE

TEST RESULT

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
BLE_1M	ANT1	2402	2.140	2.510	85.26	0.69	---	PASS
BLE_2M	ANT1	2404	1.072	1.880	57.02	2.44	---	PASS
BLE-S2	ANT1	2402	4.540	5.000	90.08	0.42	---	PASS
BLE_S8	ANT1	2402	17.070	17.530	97.38	0.12	---	PASS

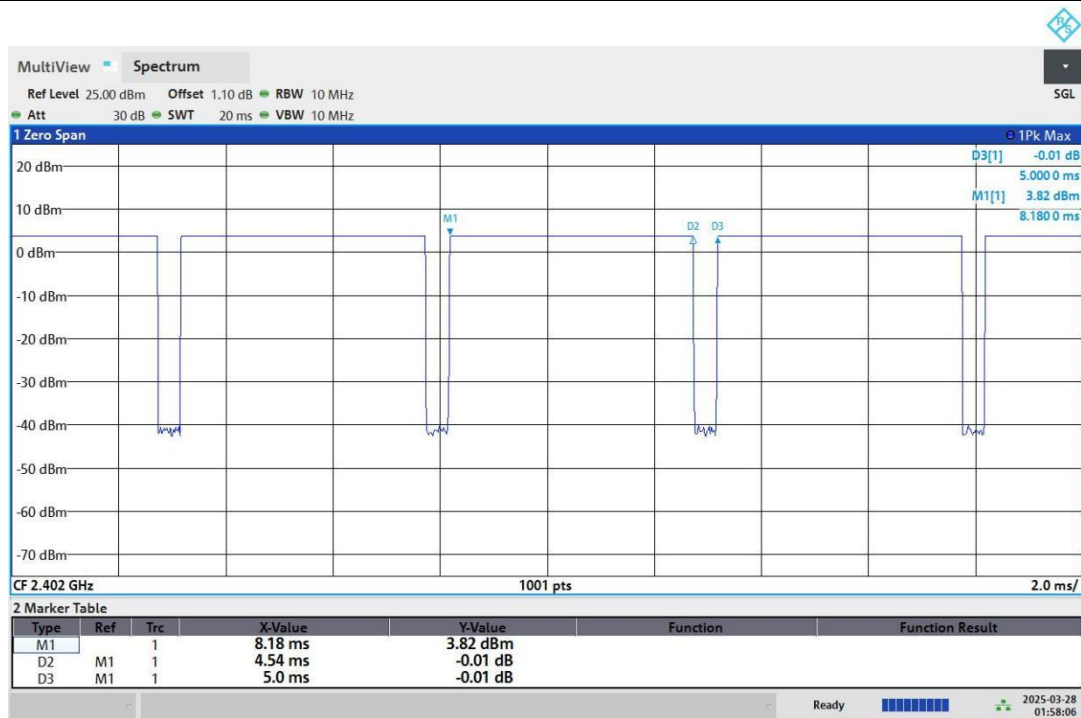


TEST GRAPHS



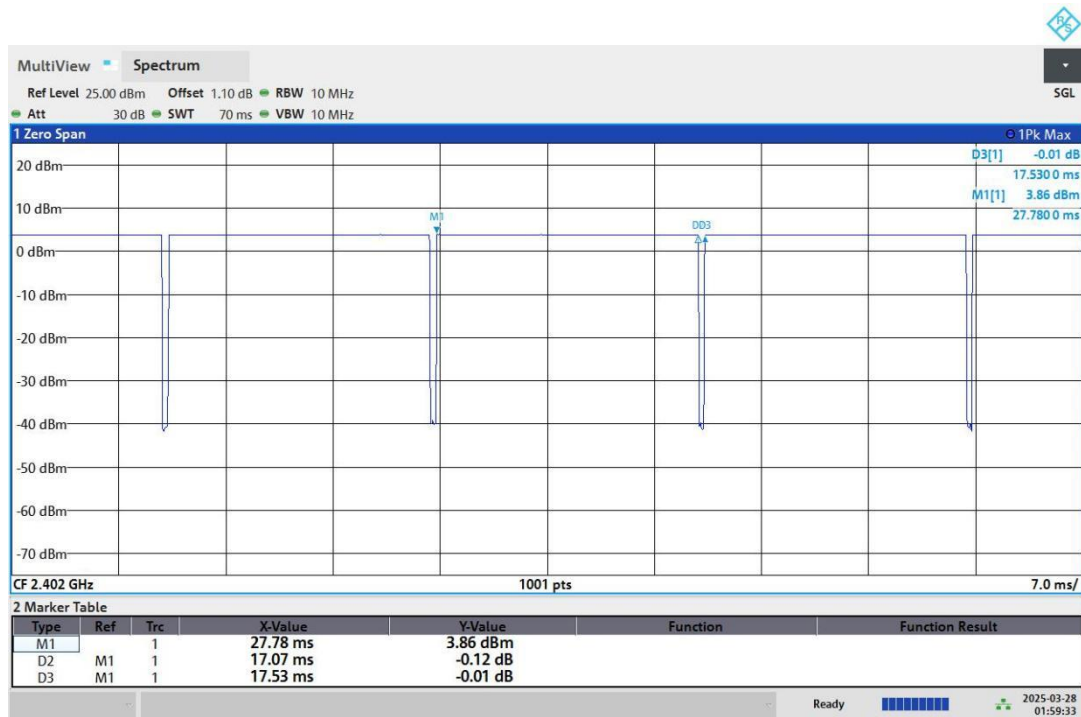


BLE_S2_ANT1_2402



01:58:07 AM 03/28/2025

BLE_S8_ANT1_2402



01:59:34 AM 03/28/2025

--END--