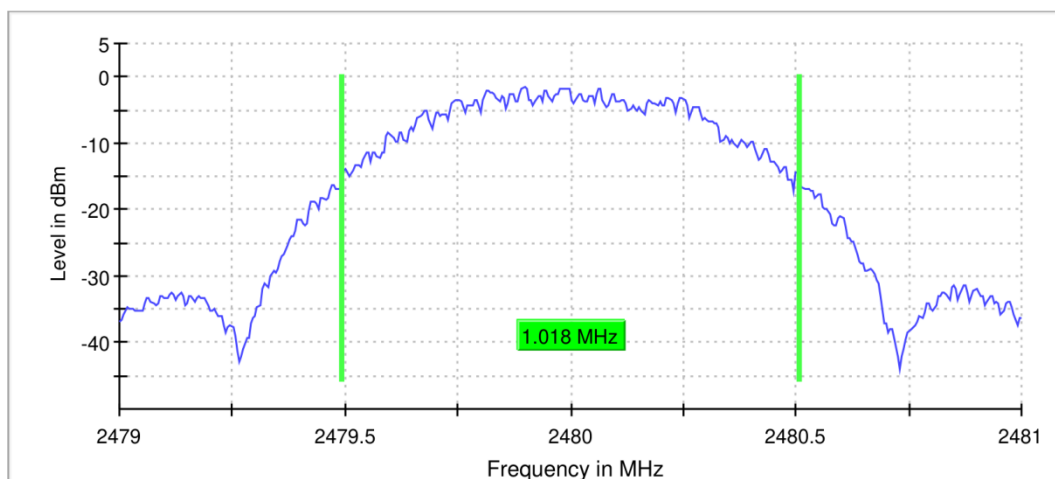


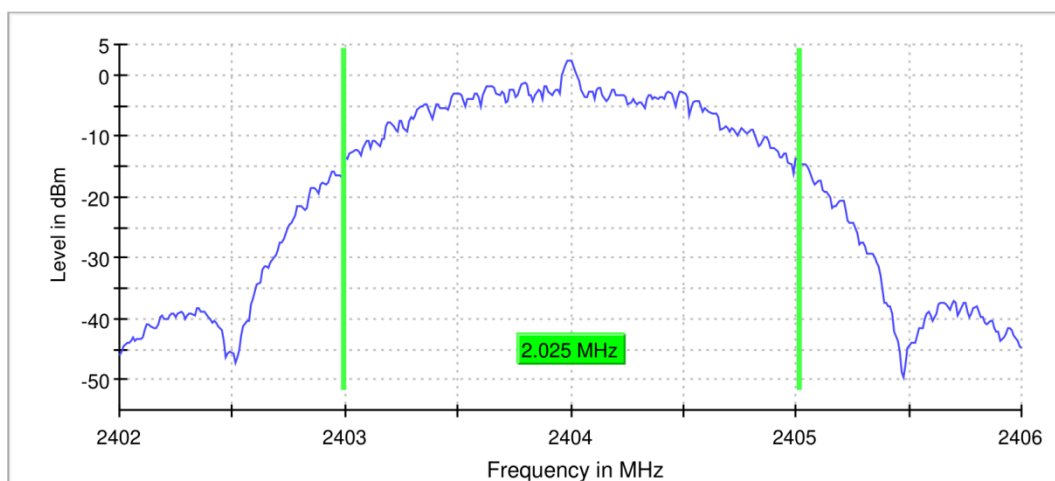


99 % Bandwidth



BLE_1M_ANT7_2480

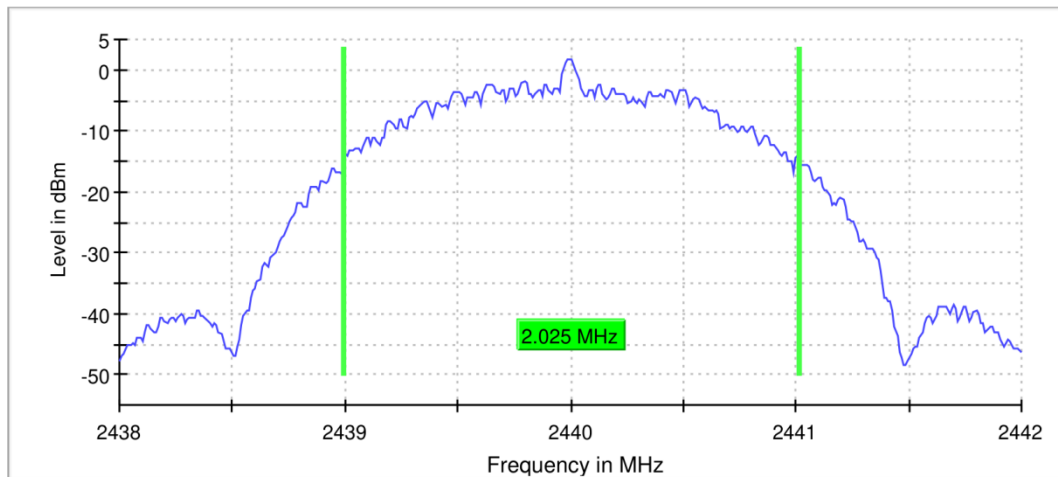
99 % Bandwidth



BLE_2M_ANT7_2404

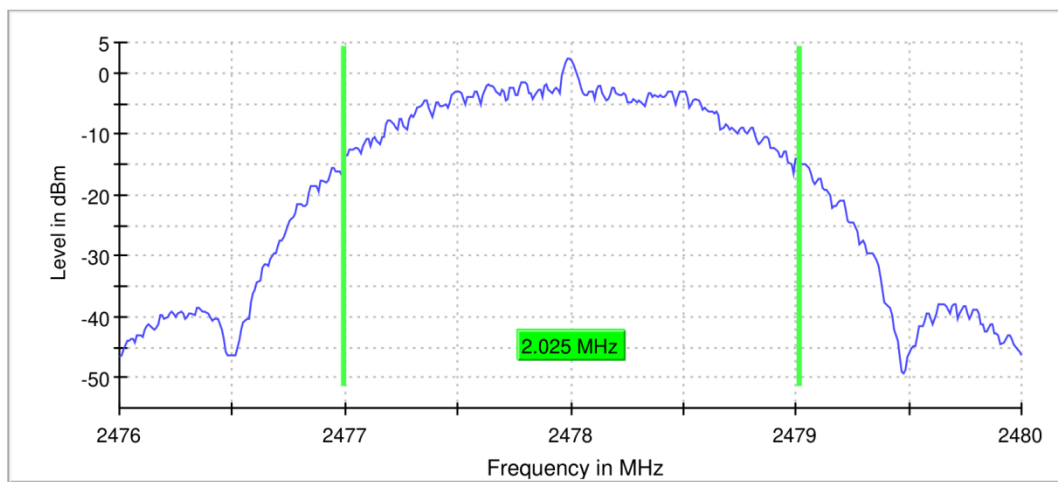


99 % Bandwidth



BLE_2M_ANT7_2440

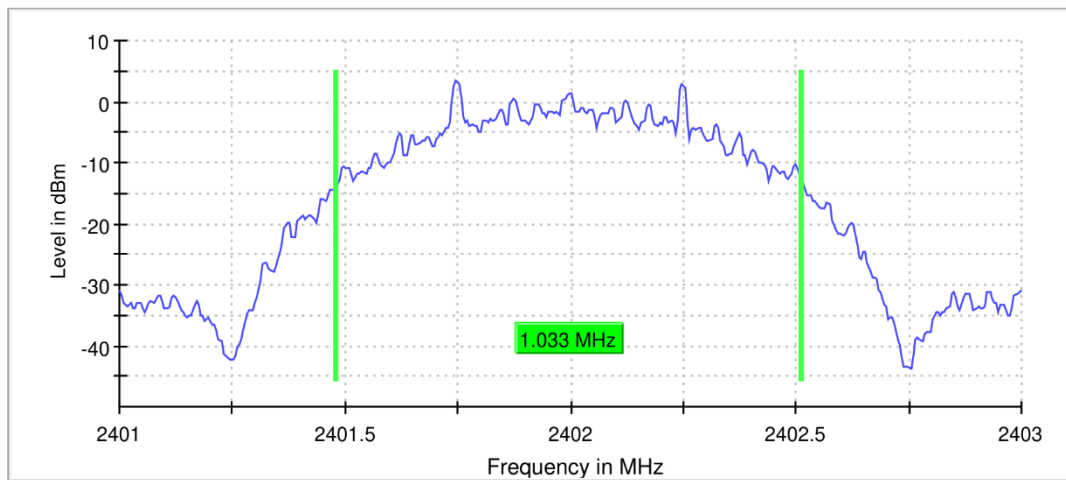
99 % Bandwidth



BLE_2M_ANT7_2478

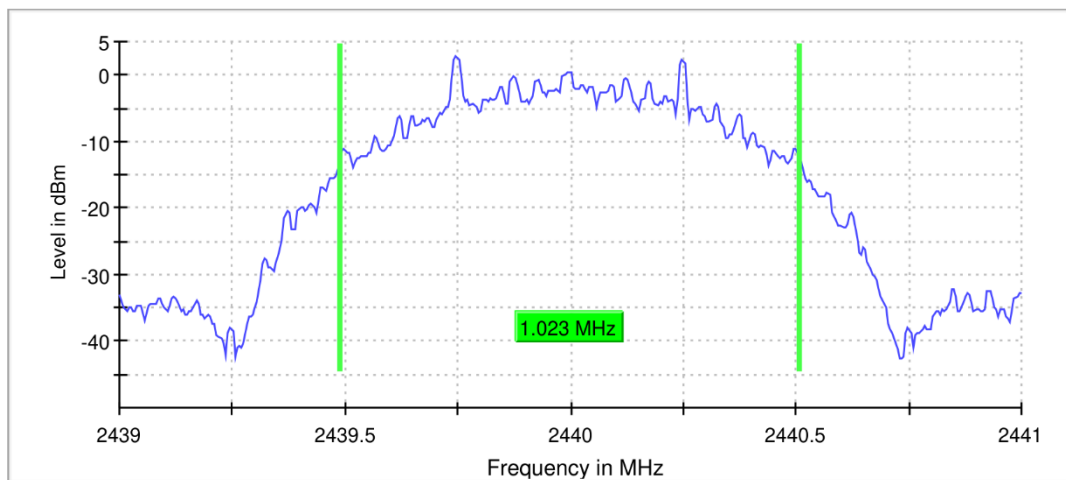


99 % Bandwidth



BLE_S2_ANT7_2402

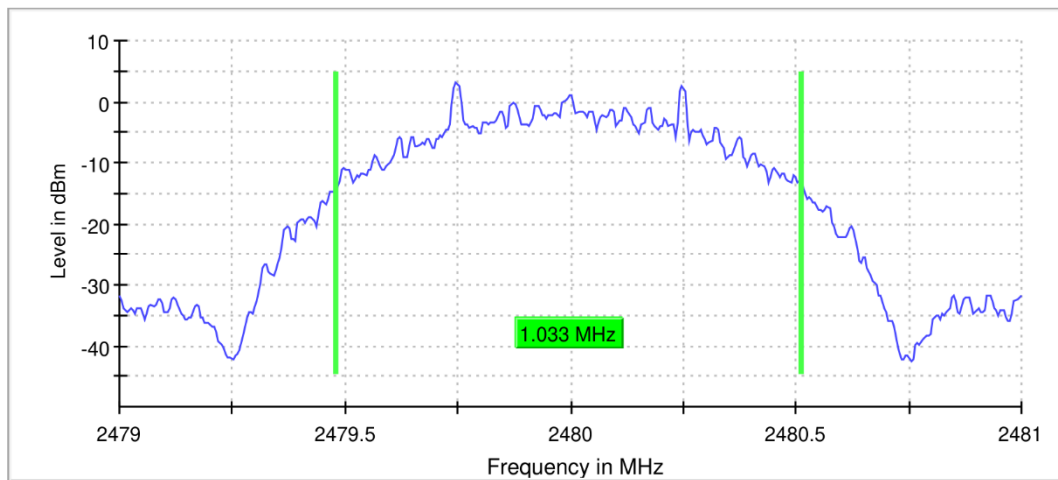
99 % Bandwidth



BLE_S2_ANT7_2440

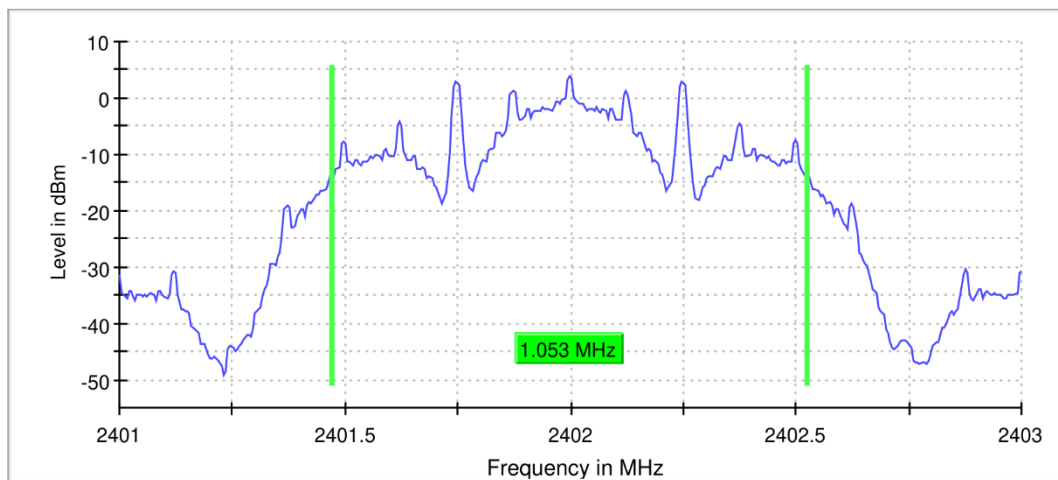


99 % Bandwidth

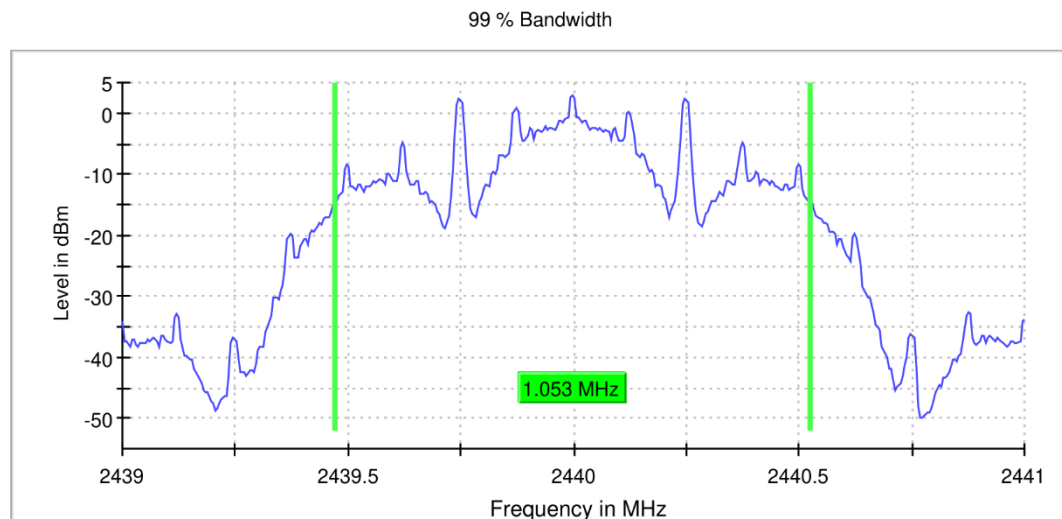


BLE_S2_ANT7_2480

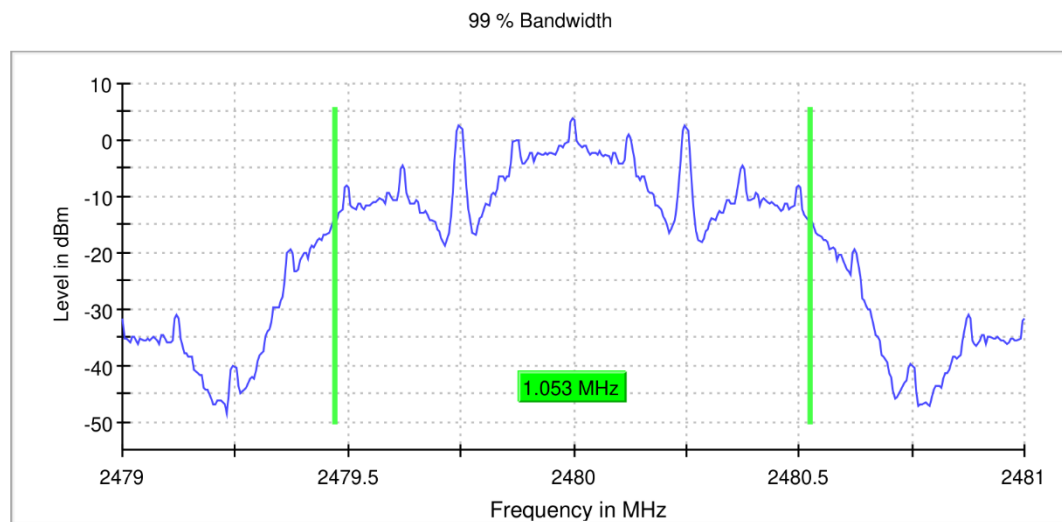
99 % Bandwidth



BLE_S8_ANT7_2402



BLE_S8_ANT7_2440



BLE_S8_ANT7_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	ANT7	2402	8.93	9.29	8.49	≤30.00	PASS	Default
		2440	8.23	8.68	7.38	≤30.00	PASS	Default
		2480	8.25	8.85	7.67	≤30.00	PASS	Default
BLE_2M	ANT7	2404	8.93	9.42	8.75	≤30.00	PASS	Default
		2440	8.16	8.73	7.46	≤30.00	PASS	Default
		2478	8.45	9.23	8.38	≤30.00	PASS	Default
BLE_125k	ANT7	2402	8.87	9.22	8.36	≤30.00	PASS	Default
		2440	8.12	8.62	7.28	≤30.00	PASS	Default
		2480	8.21	8.78	7.55	≤30.00	PASS	Default
BLE_500K	ANT7	2402	8.94	9.29	8.49	≤30.00	PASS	Default
		2440	8.20	8.70	7.41	≤30.00	PASS	Default
		2480	8.26	8.85	7.67	≤30.00	PASS	Default

MAXIMUM POWER SPECTRAL DENSITY

TEST RESULT

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	ANT7	2402	-8.50	≤8	PASS
		2440	-8.97	≤8	PASS
		2480	-8.59	≤8	PASS
BLE_2M	ANT7	2404	-10.76	≤8	PASS
		2440	-11.49	≤8	PASS
		2478	-10.91	≤8	PASS
BLE_S2	ANT7	2402	-1.72	≤8	PASS



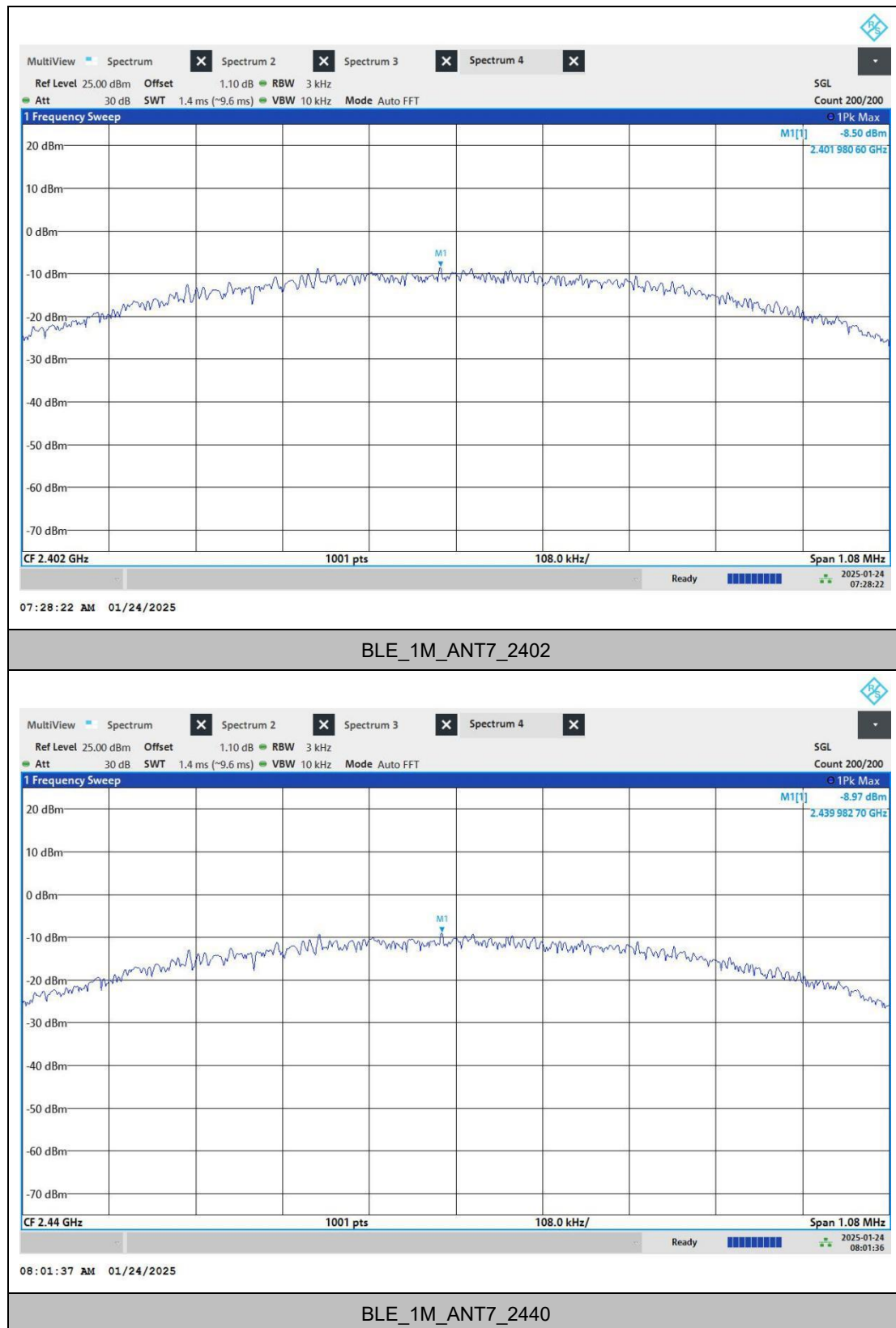
		2440	-1.38	≤8	PASS
		2480	-1.73	≤8	PASS
BLE_S8	ANT7	2402	1.95	≤8	PASS
		2440	1.25	≤8	PASS
		2480	1.62	≤8	PASS

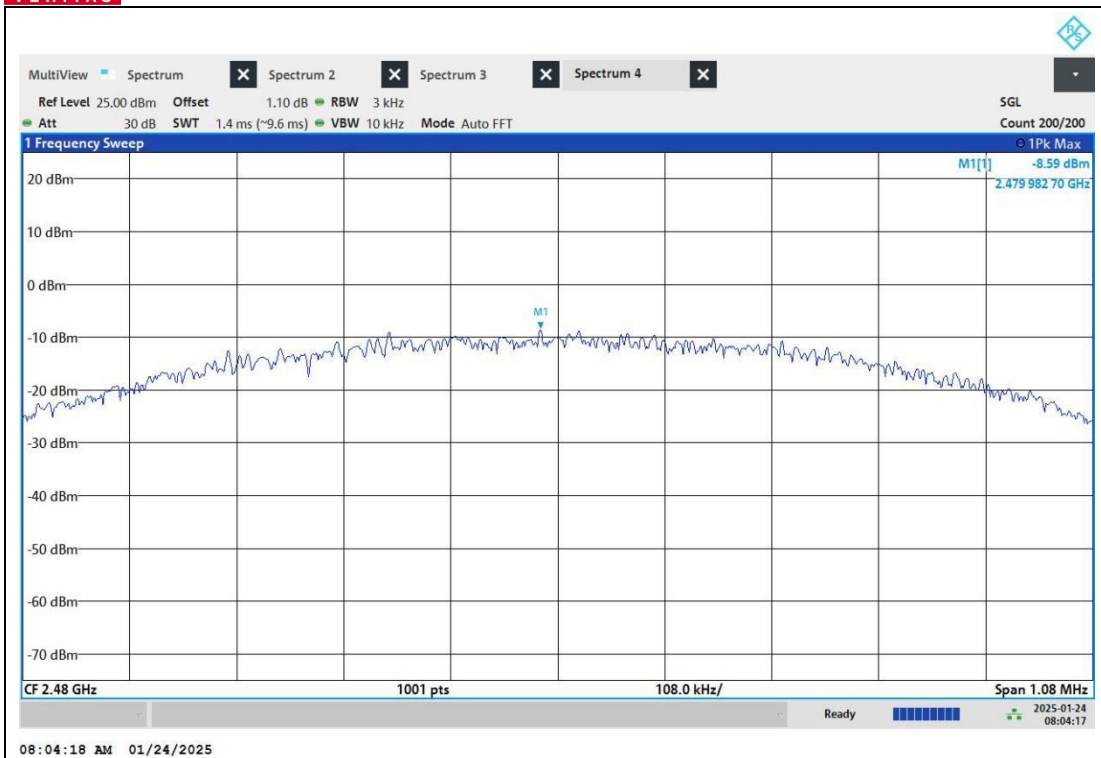


BUREAU
VERITAS

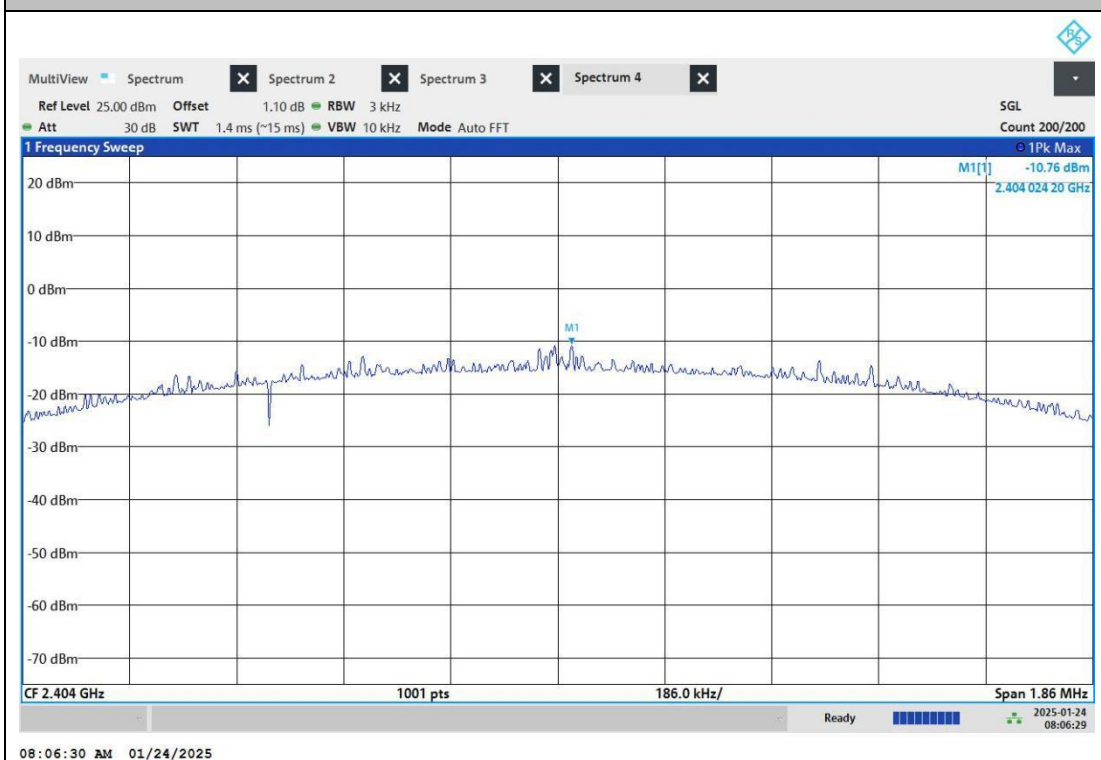
Test Report No.: PSU-NQN2412090210RF02

TEST GRAPHS

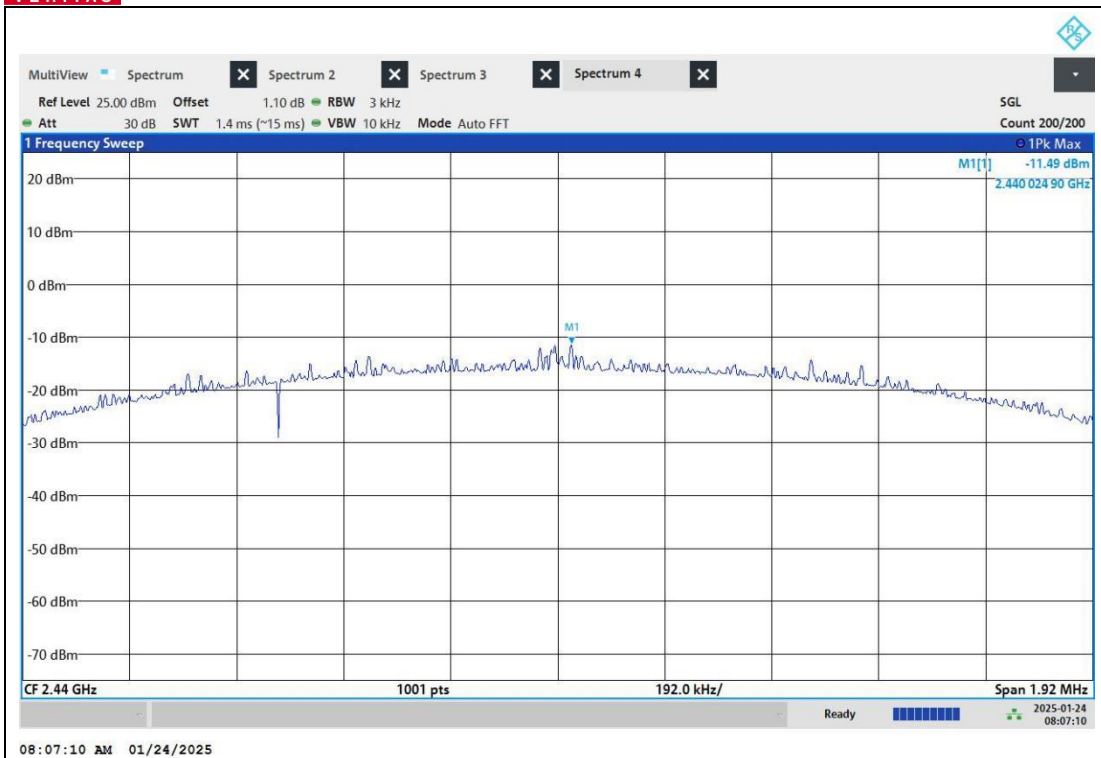




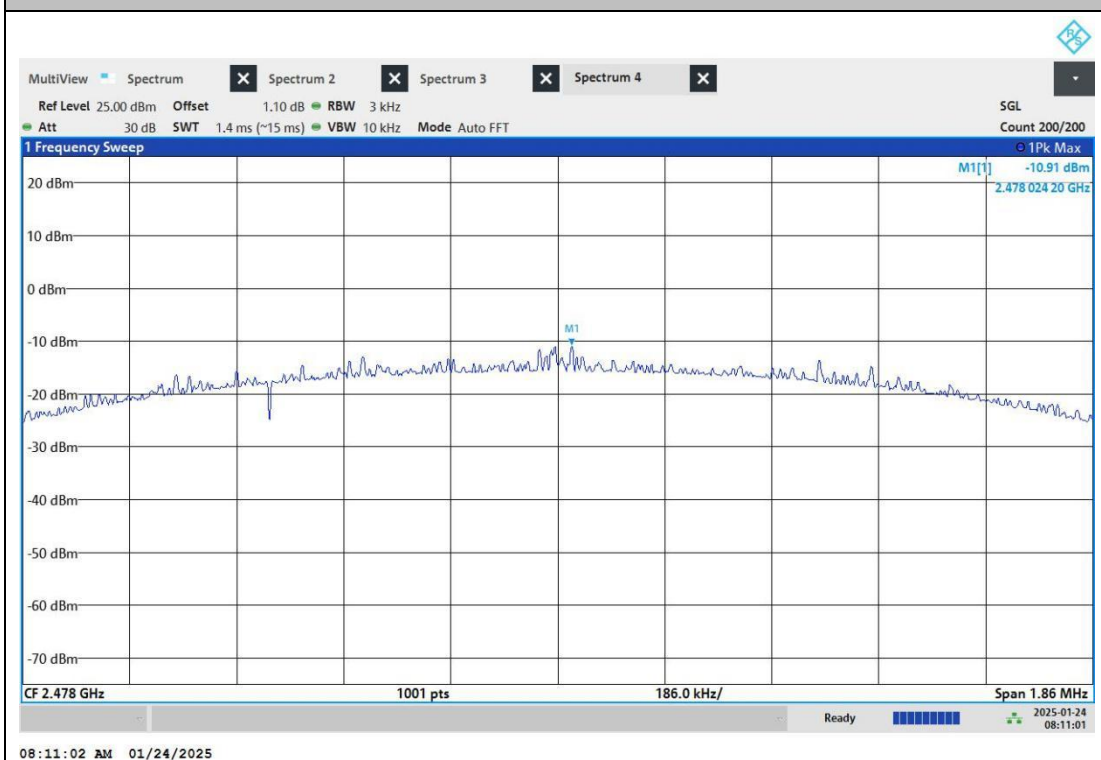
BLE_1M_ANT7_2480



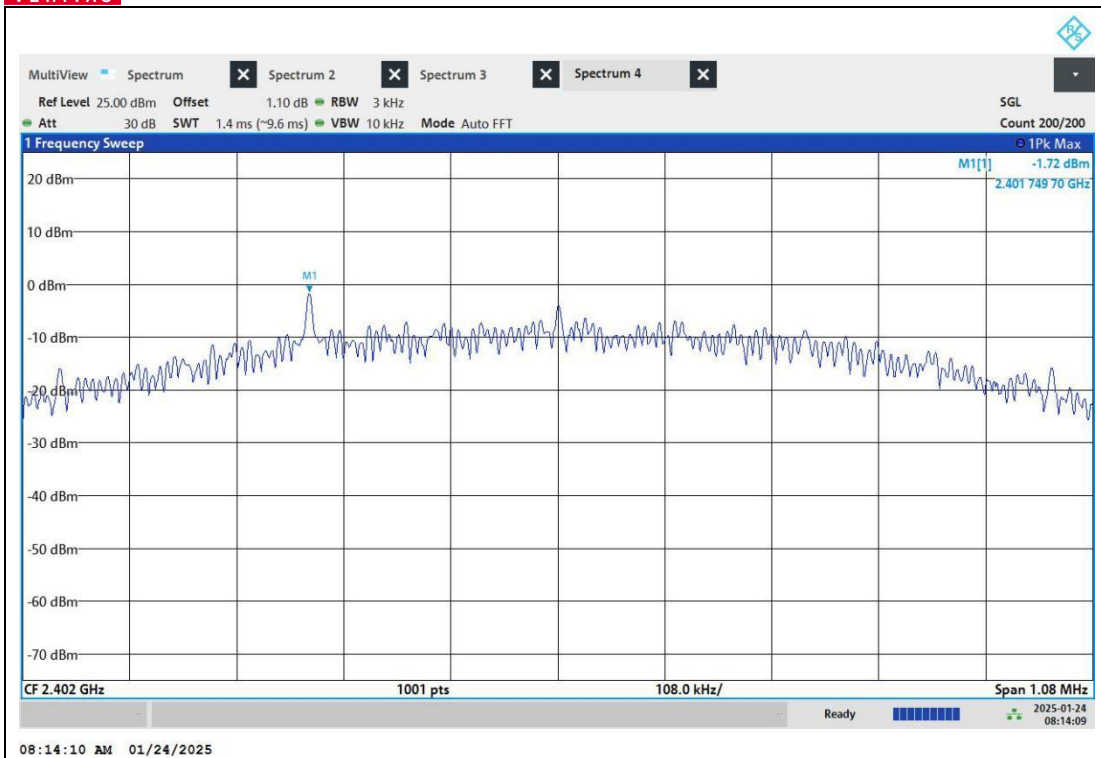
BLE_2M_ANT7_2404



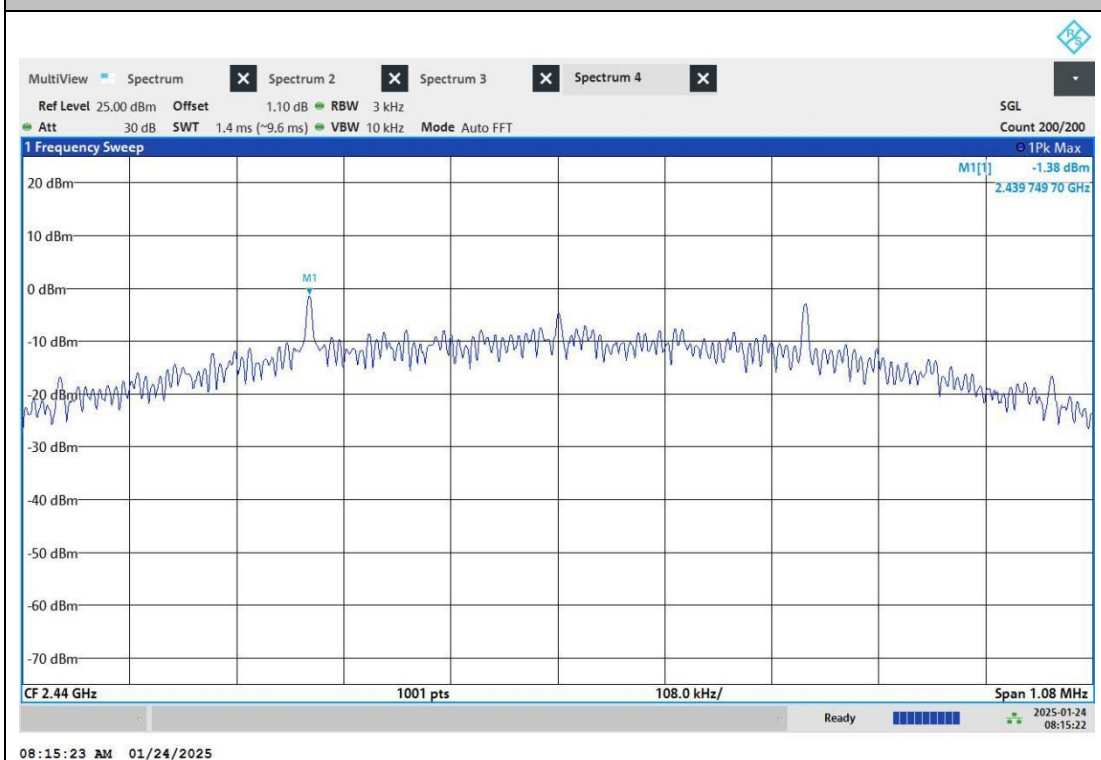
BLE_2M_ANT7_2440



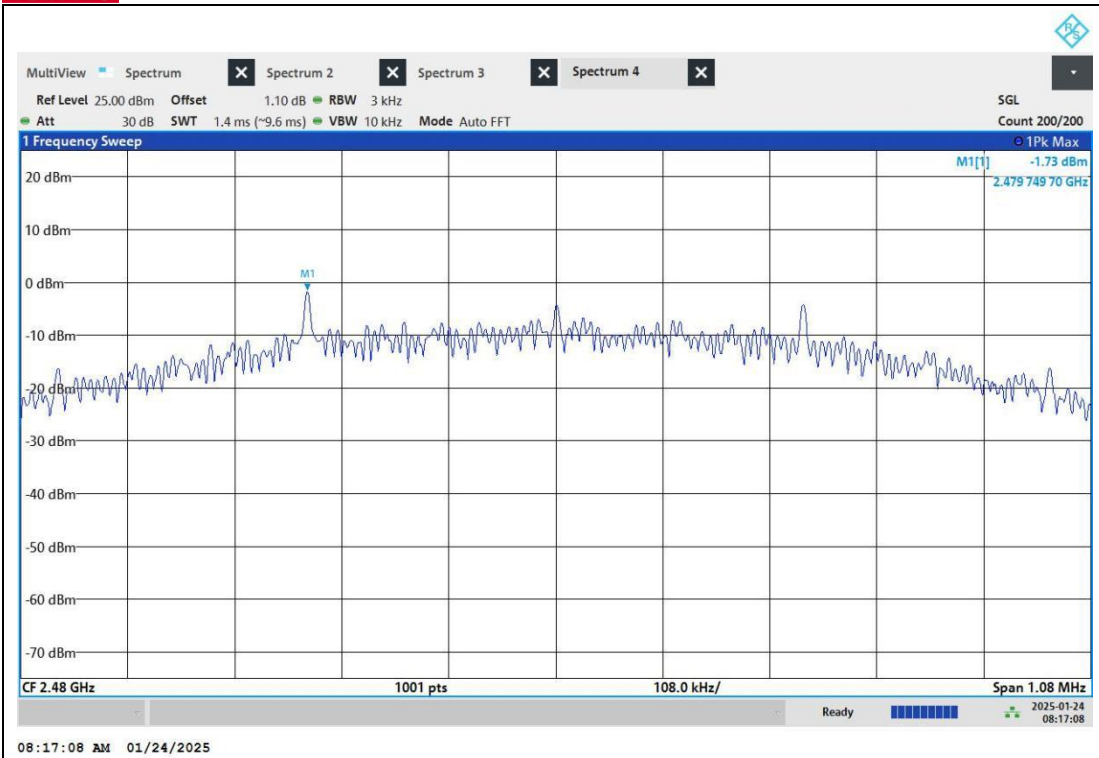
BLE_2M_ANT7_2478



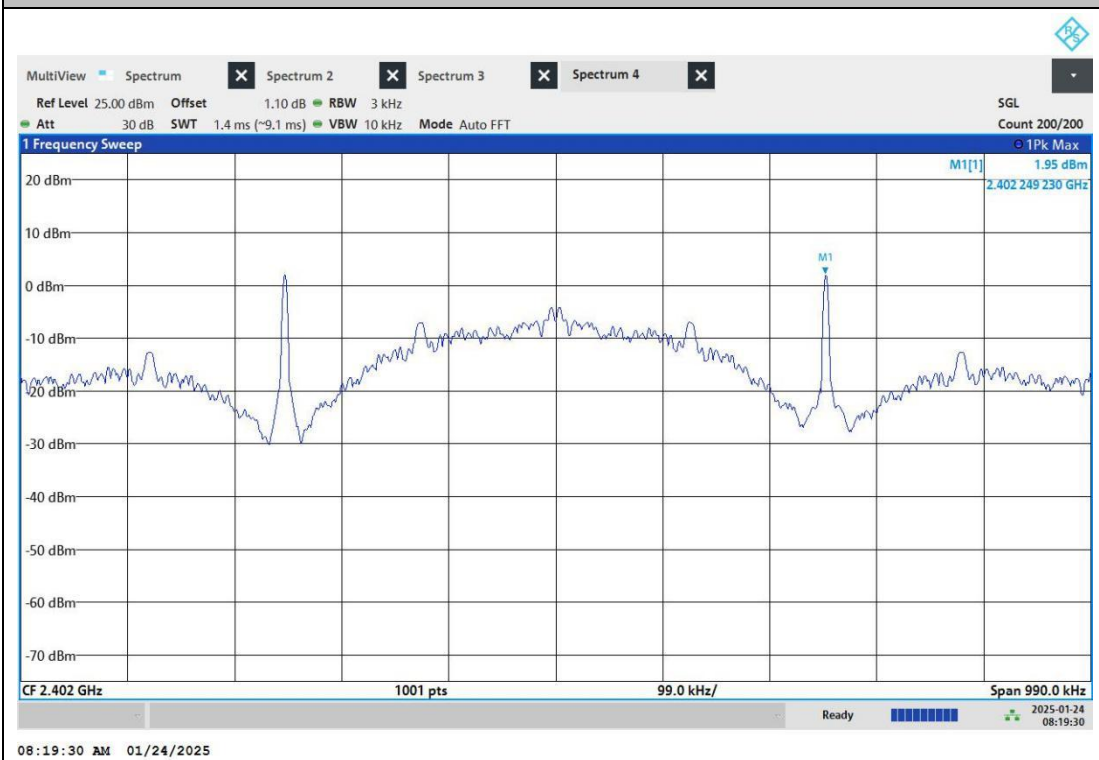
BLE_S2_ANT7_2402



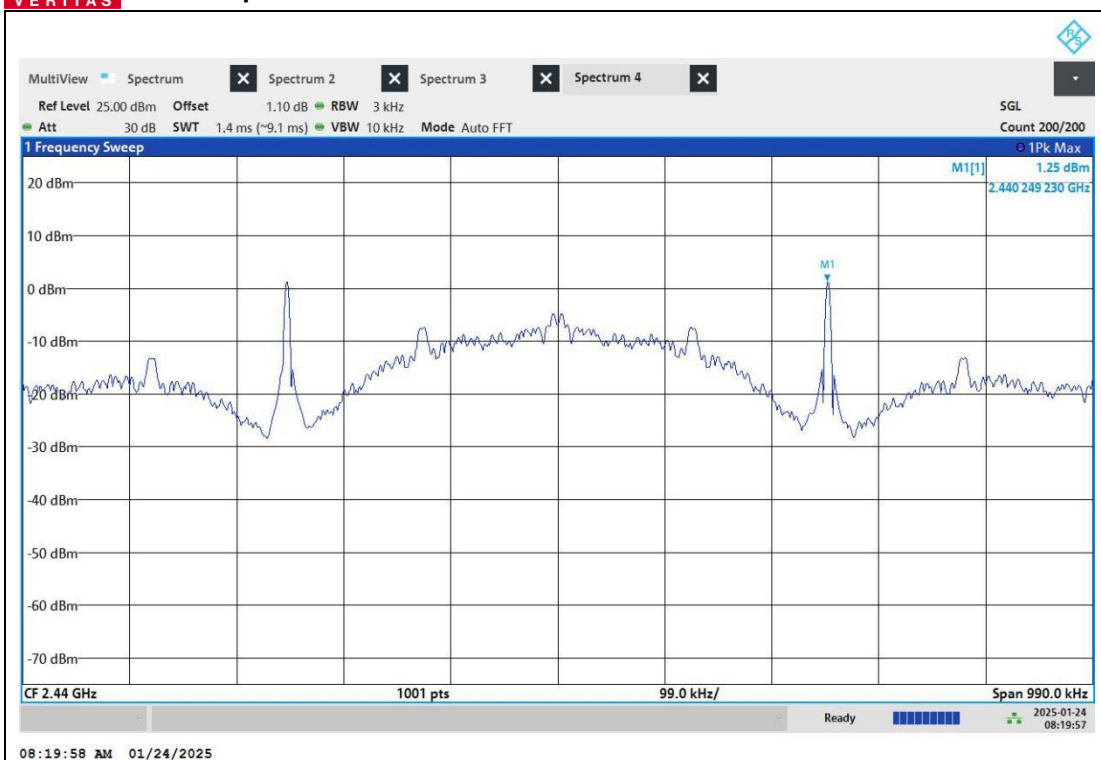
BLE_S2_ANT7_2440



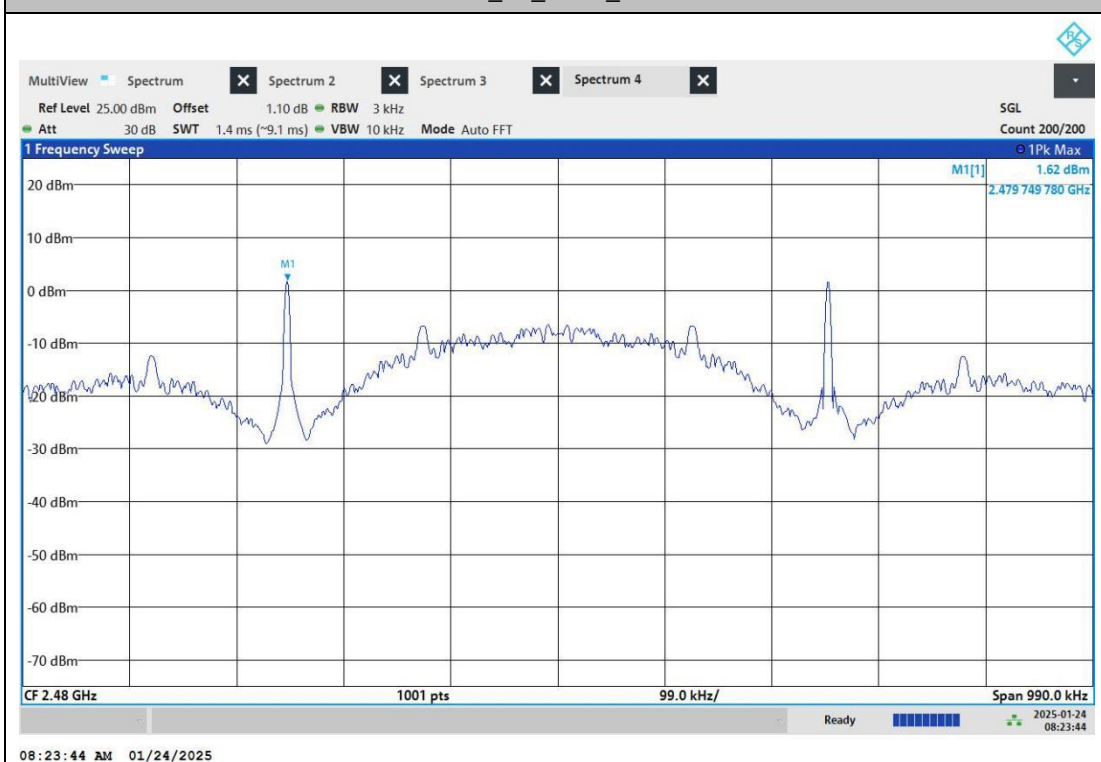
BLE_S2_ANT7_2480



BLE_S8_ANT7_2402



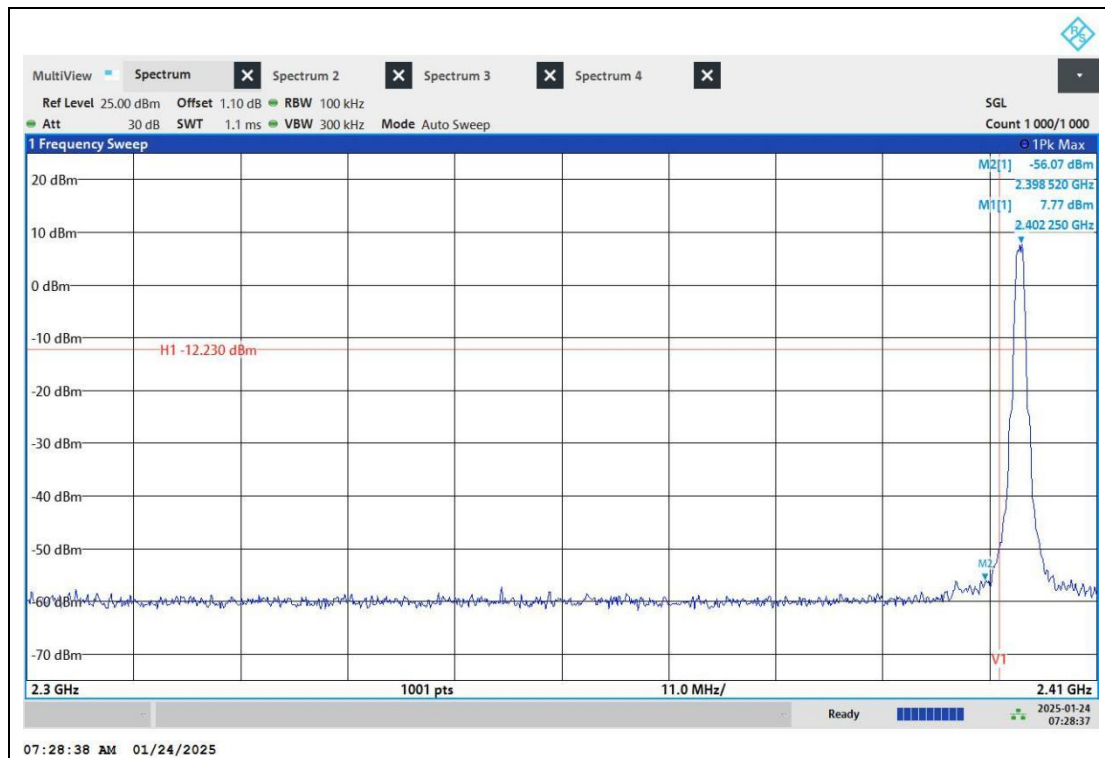
BLE_S8_ANT7_2440



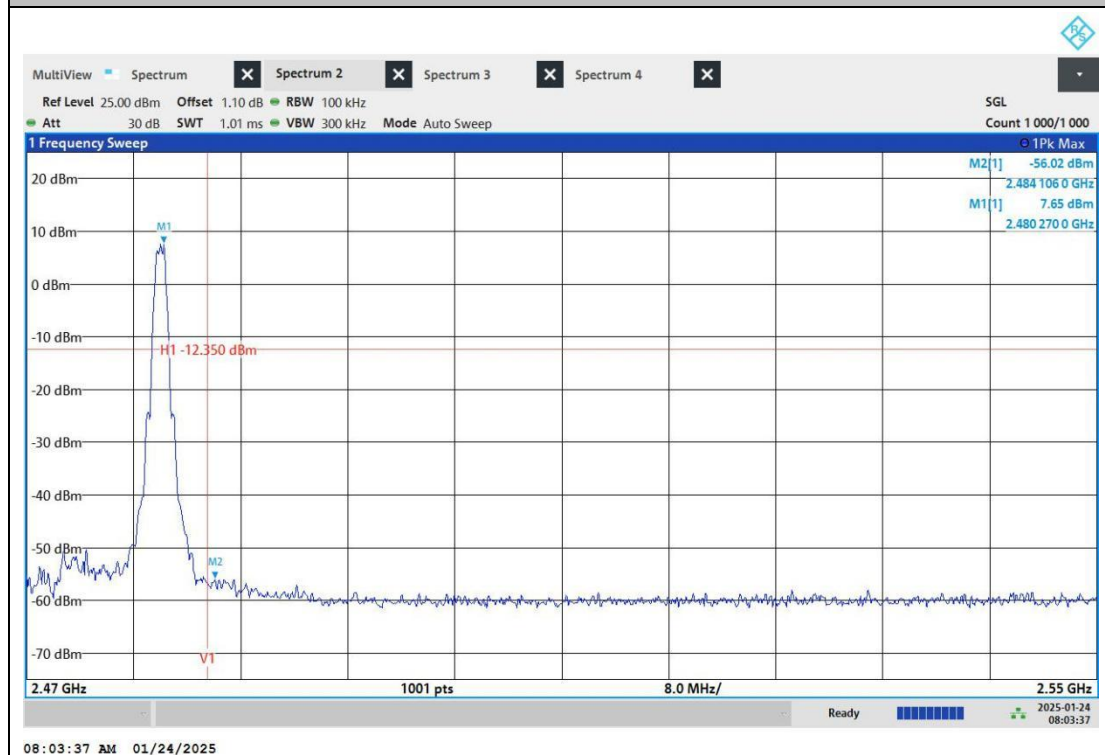
BLE_S8_ANT7_2480

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

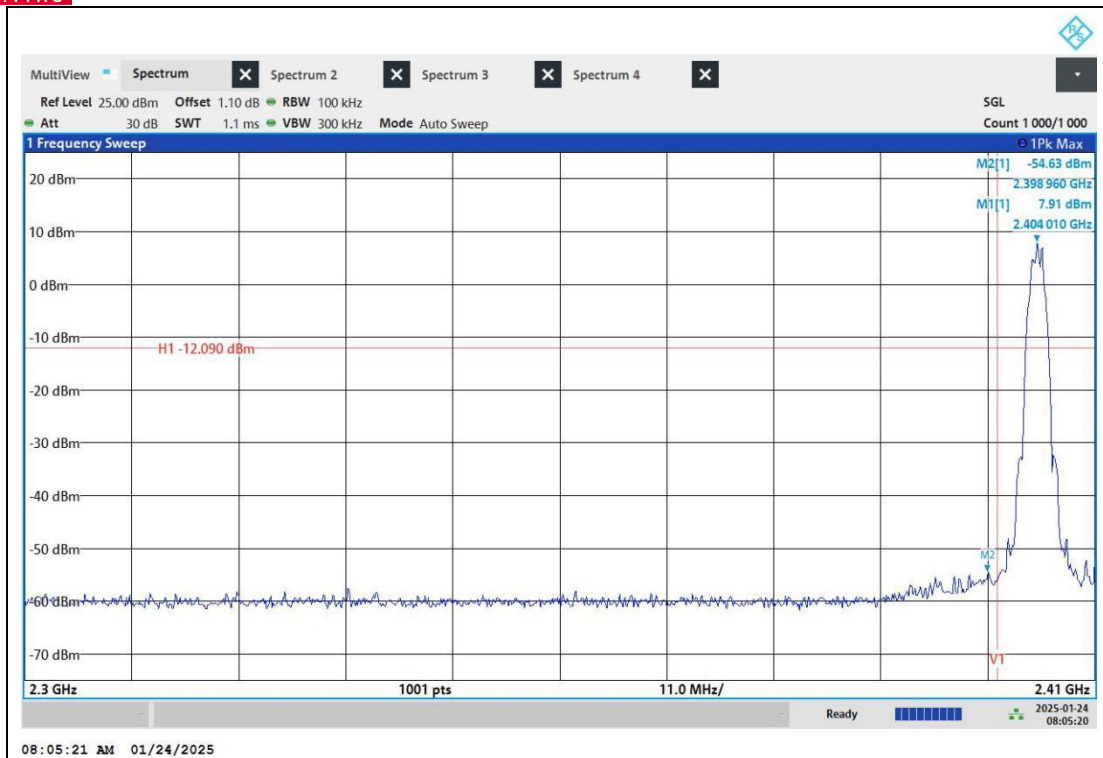
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT7	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS
BLE_2M	ANT7	Low	2404	See test graph	See test graph	PASS
		High	2478	See test graph	See test graph	PASS
BLE_S2	ANT7	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS
BLE_S8	ANT7	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS



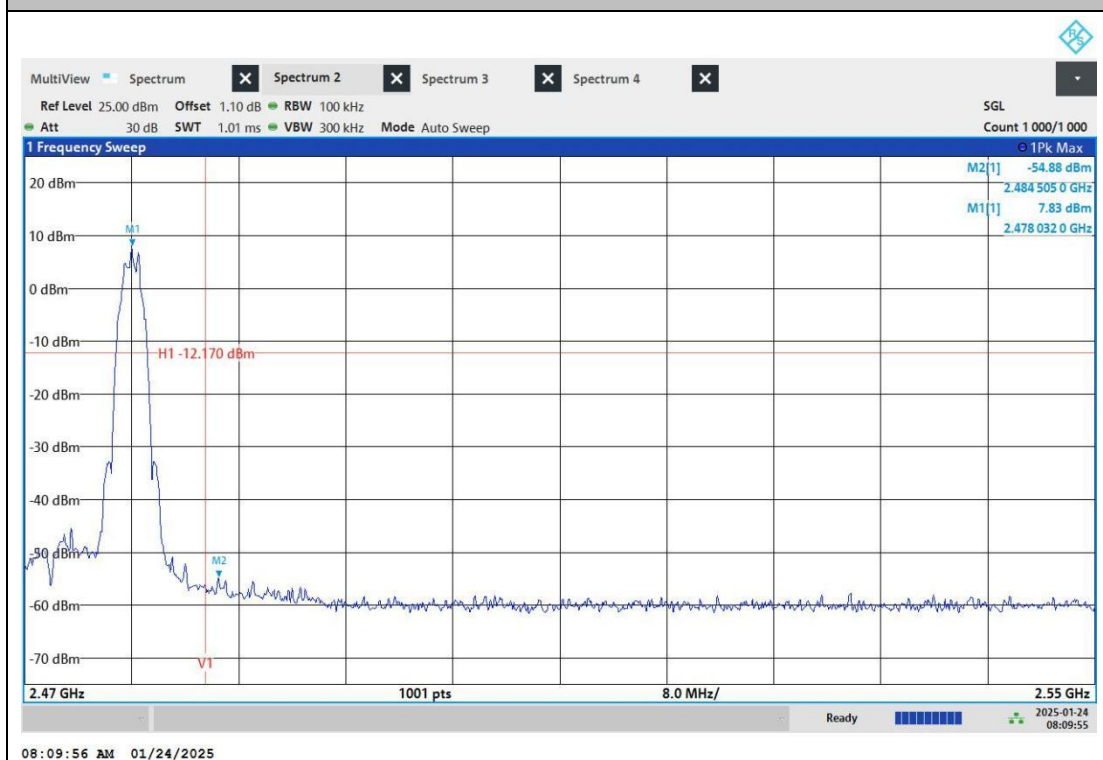
BLE_1M_ANT7_Low_2402



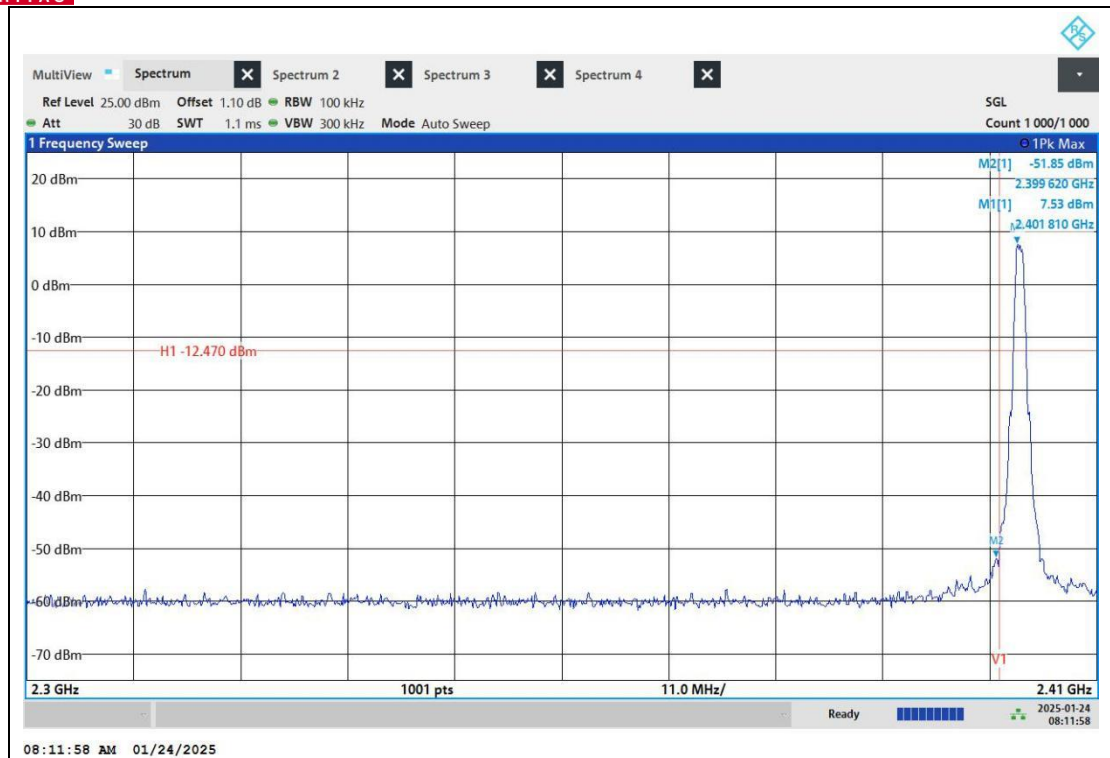
BLE_1M_ANT7_High_2480



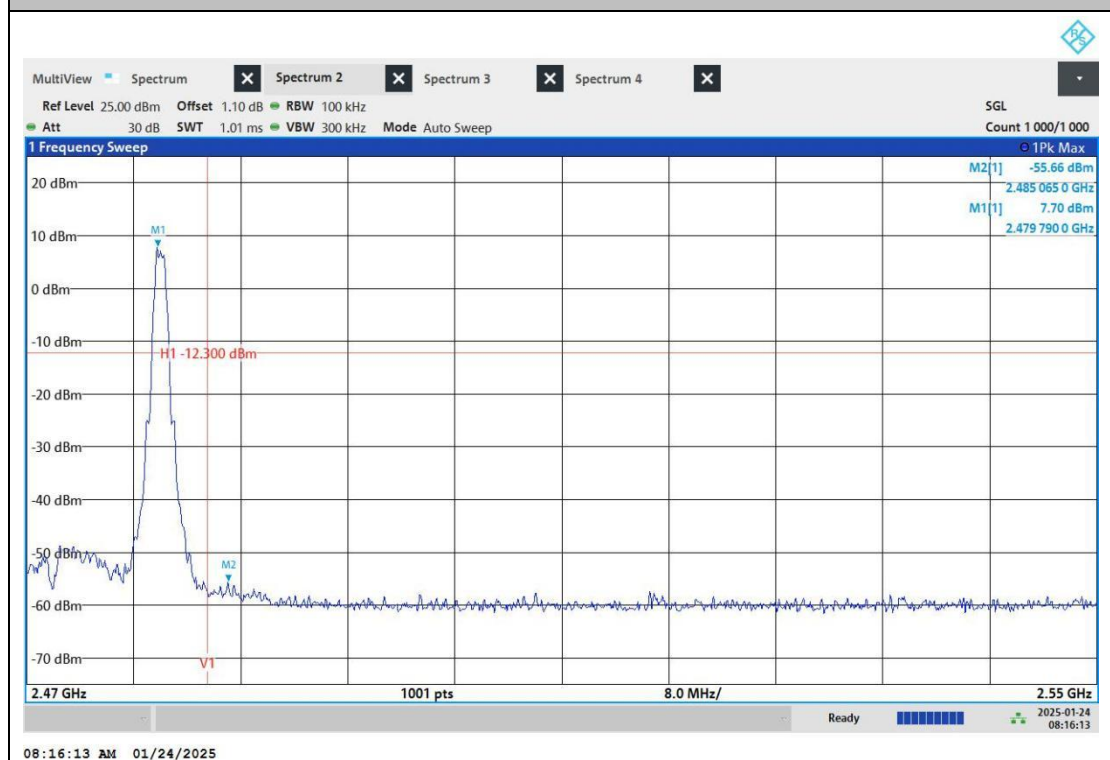
BLE_2M_ANT7_Low_2404



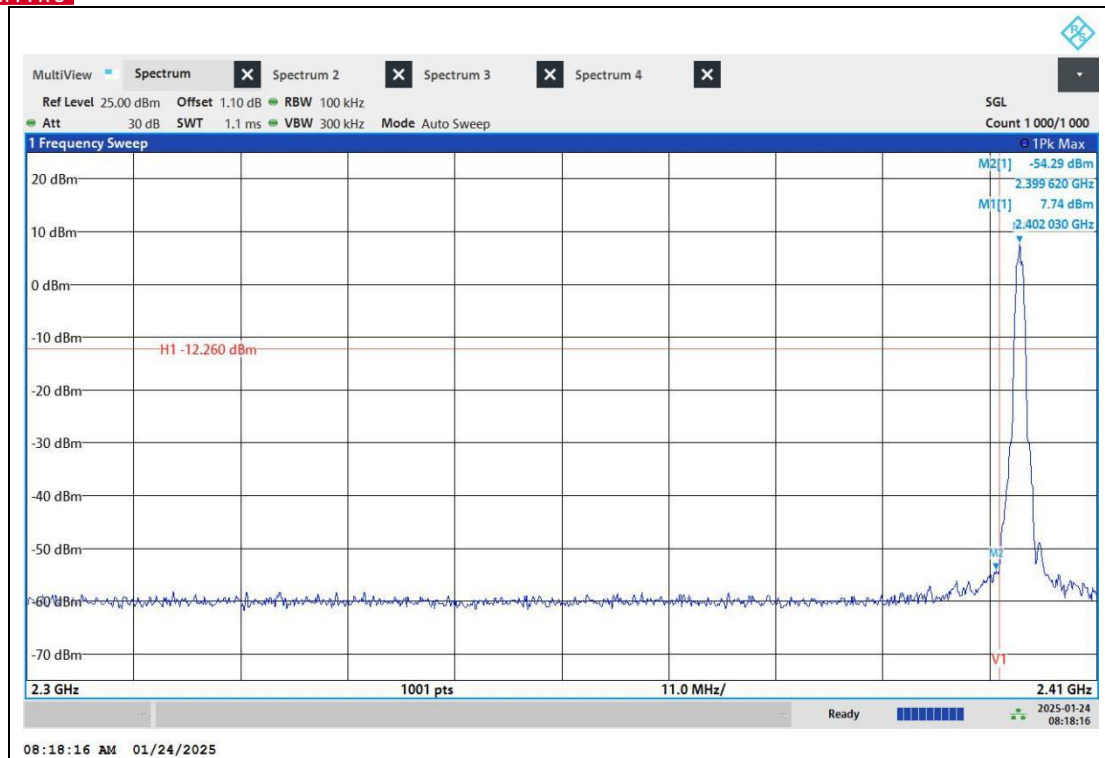
BLE_2M_ANT7_High_2478



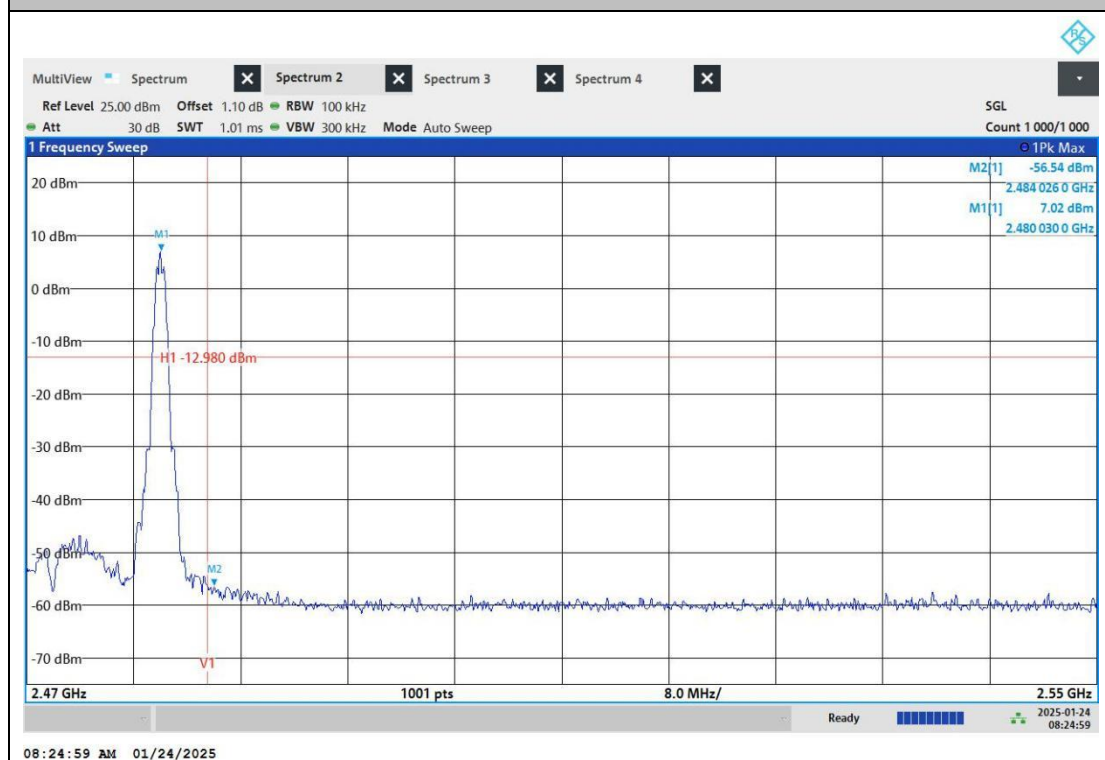
BLE_S2_ANT7_Low_2402



BLE_S2_ANT7_High_2480



BLE_S8_ANT7_Low_2402



BLE_S8_ANT7_High_2480

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

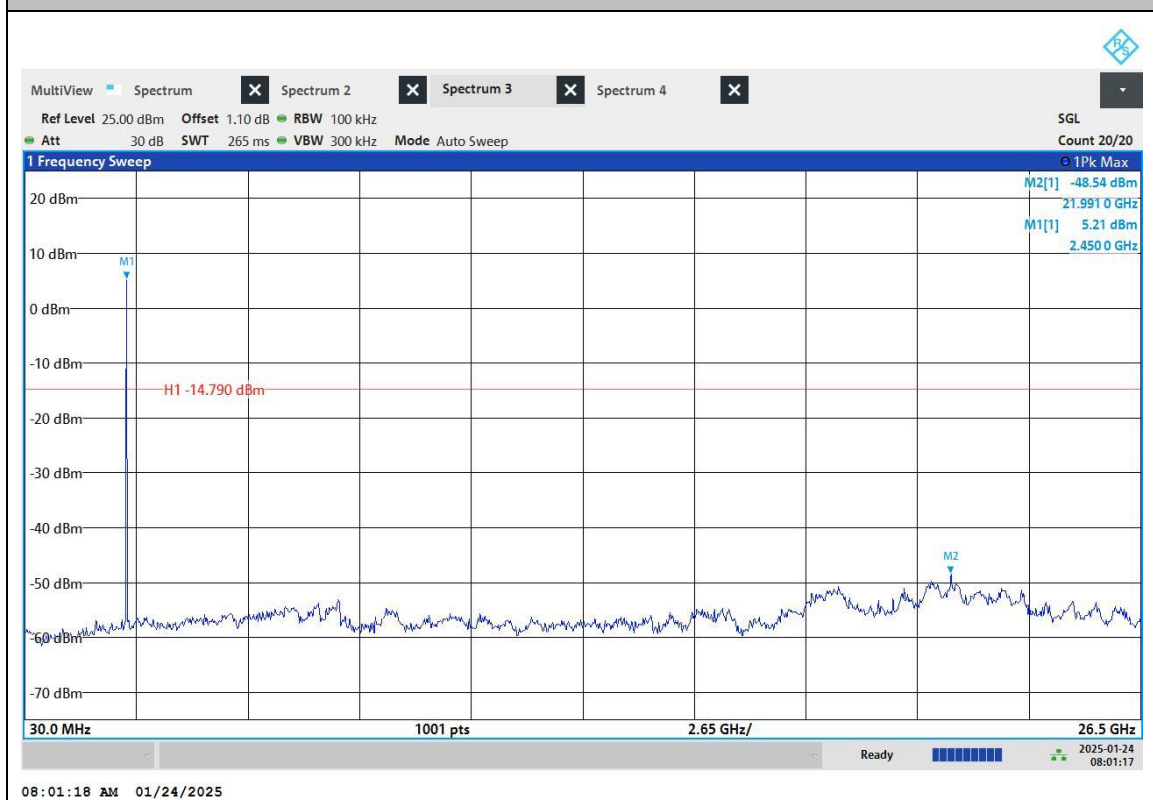
TestMode	Antenna	Channel	FreqRange [MHz]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT7	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS
BLE_2M	ANT7	2404	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2478	30~26500	See test graph	See test graph	PASS
BLE_S2	ANT7	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	ANT7	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



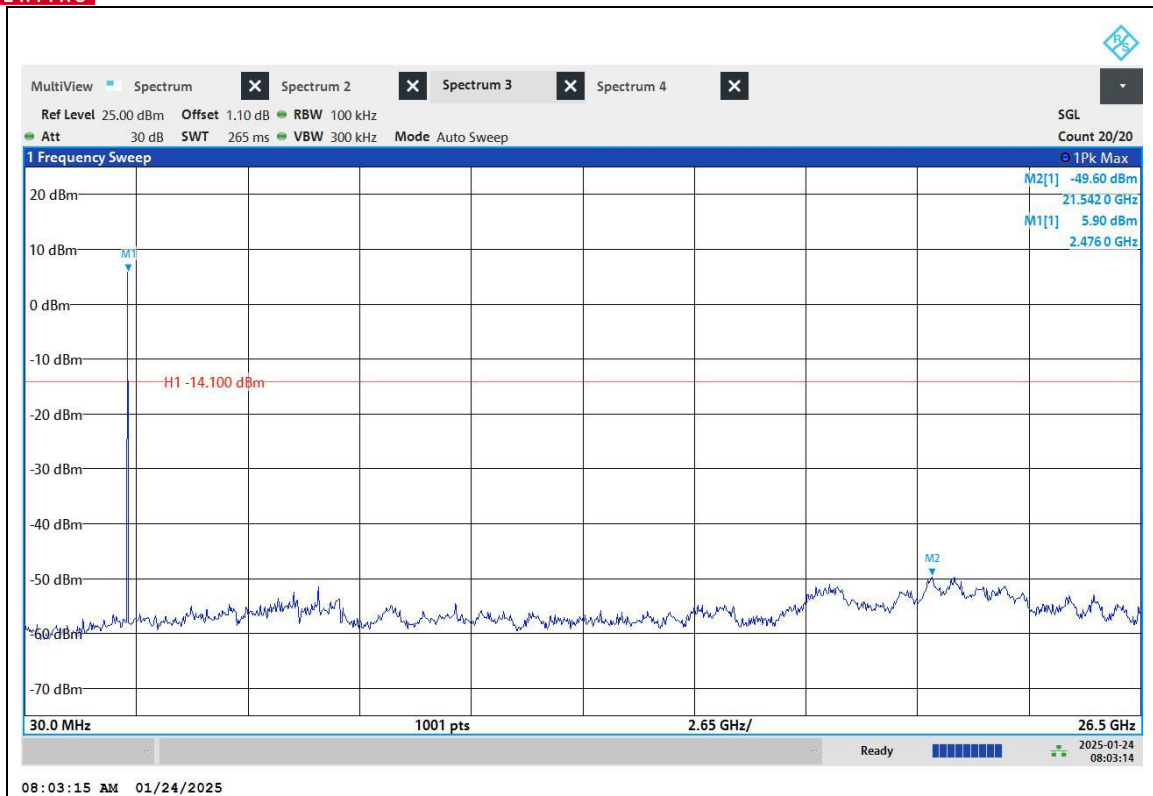
TEST GRAPHS



BLE_1M_ANT7_2402_30~26500



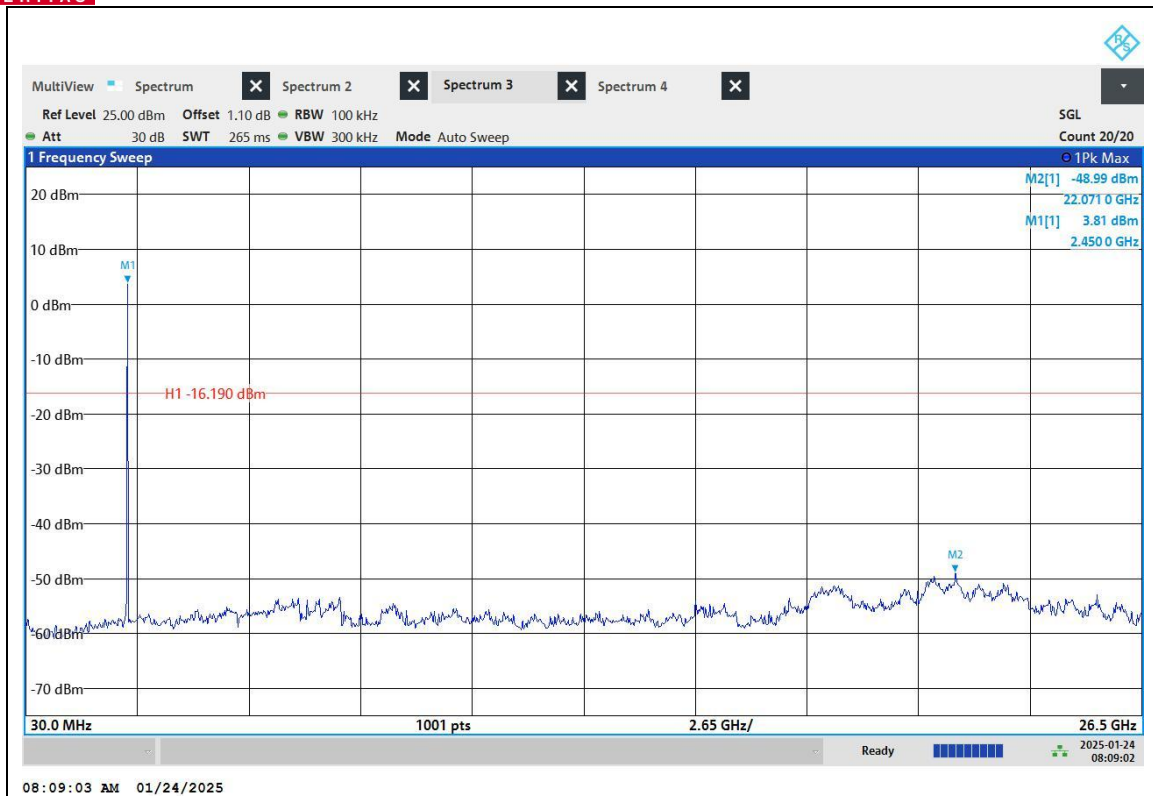
BLE_1M_ANT7_2440_30~26500



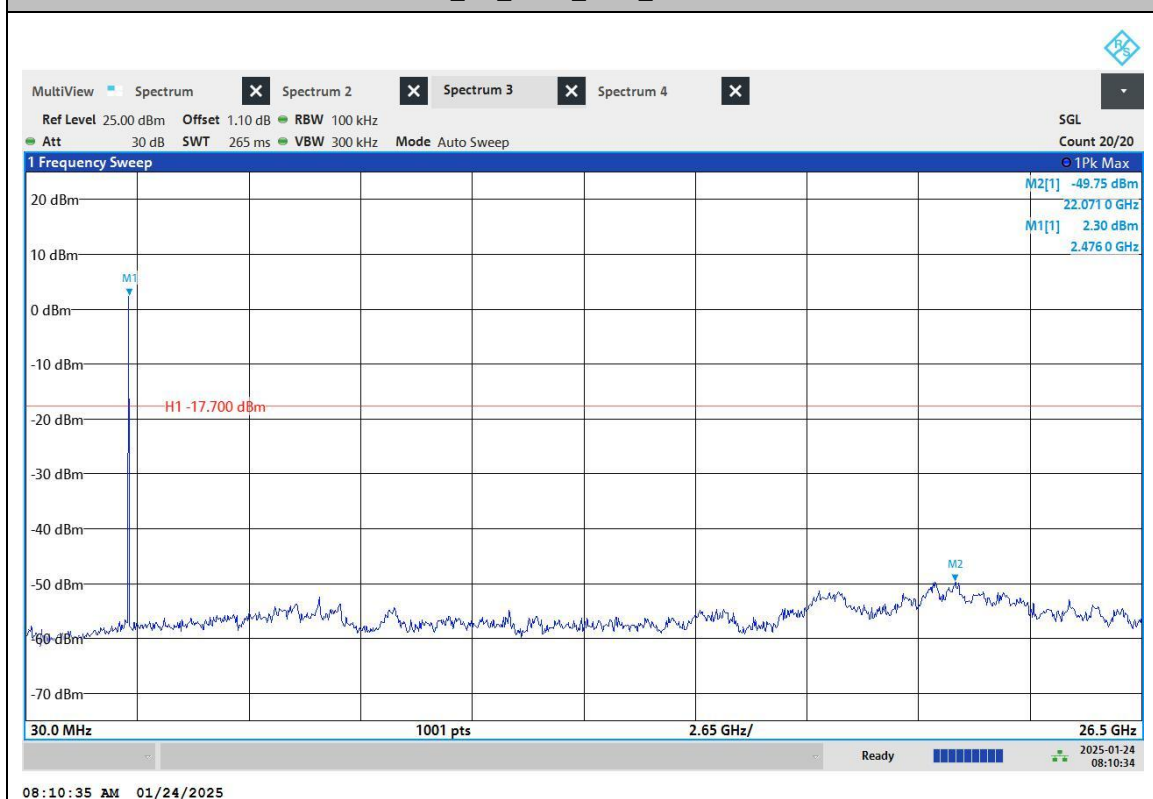
BLE_1M_ANT7_2480_30~26500



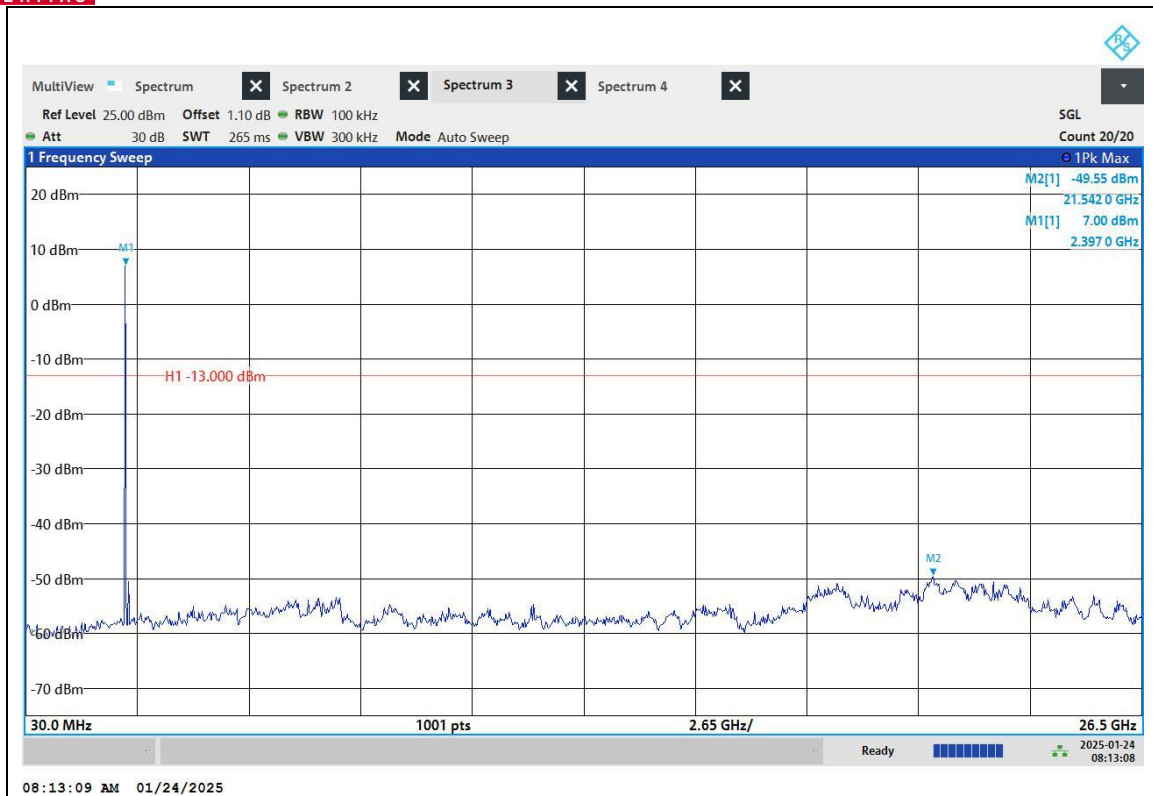
BLE_2M_ANT7_2404_30~26500



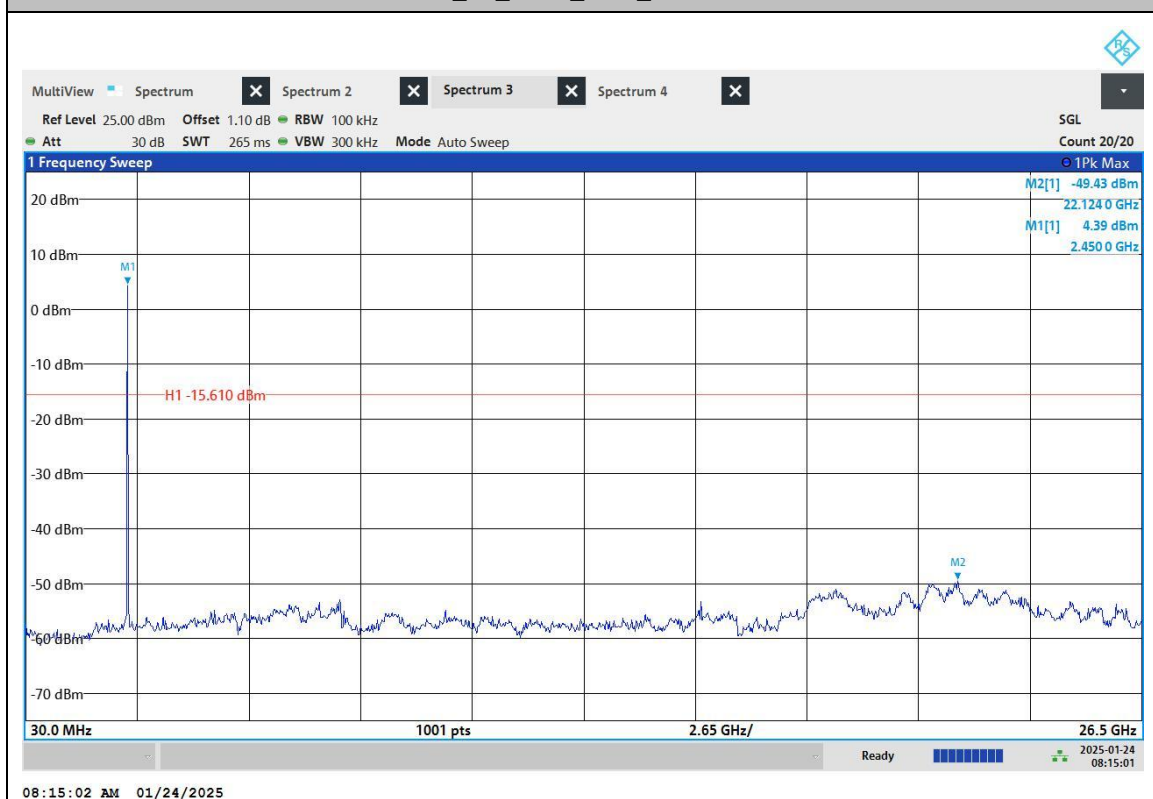
BLE_2M_ANT7_2440_30~26500



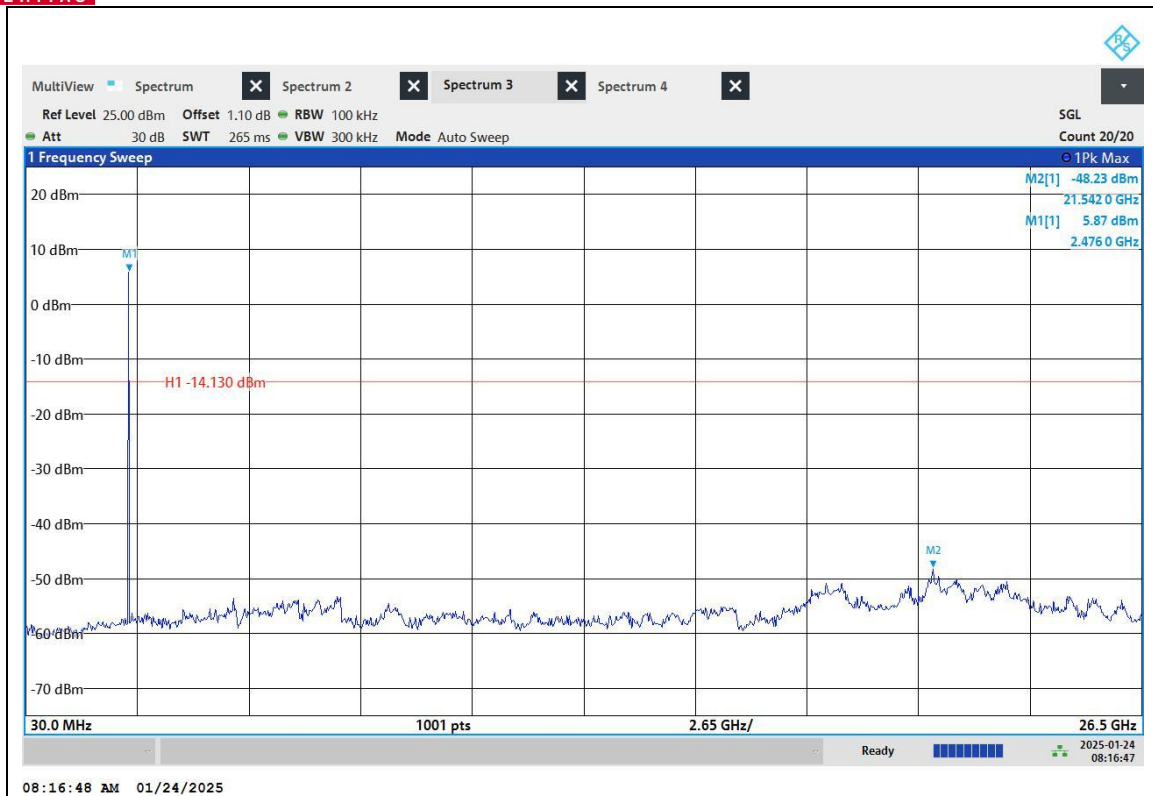
BLE_2M_ANT7_2478_30~26500



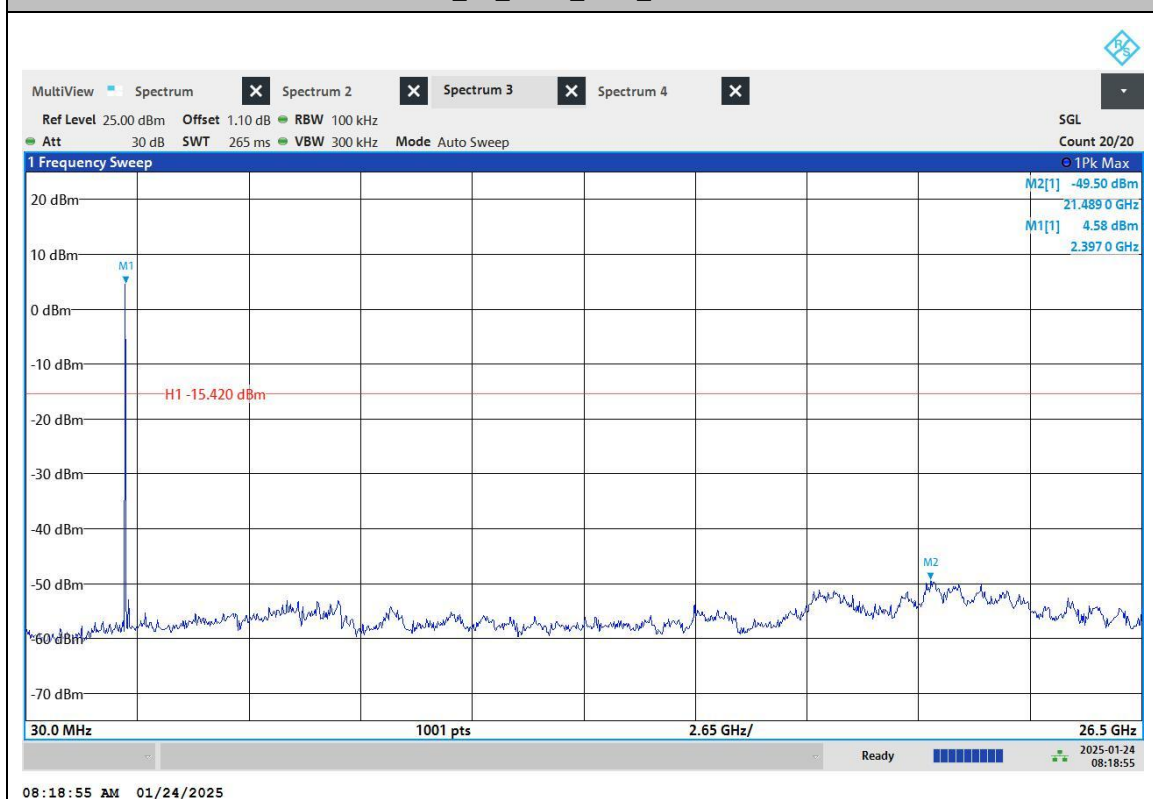
BLE_S2_ANT7_2402_30~26500



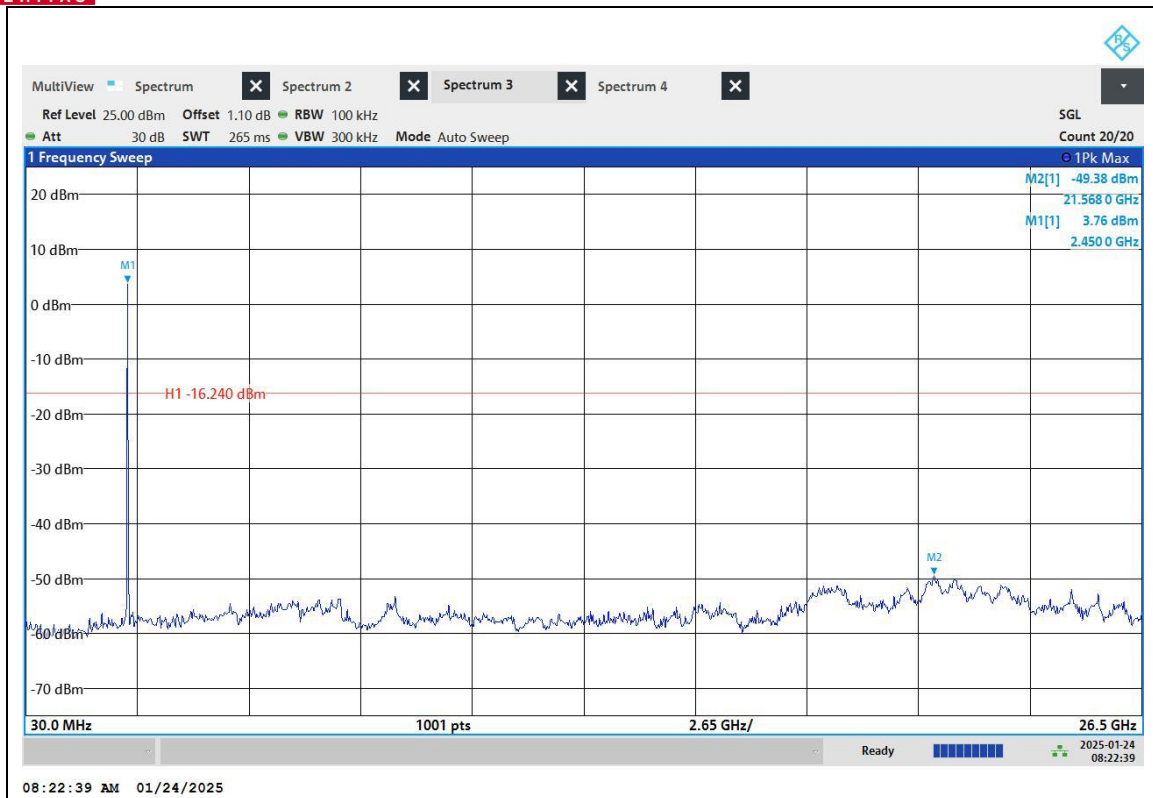
BLE_S2_ANT7_2440_30~26500



BLE_S2_ANT7_2480_30~26500



BLE_S8_ANT7_2402_30~26500



BLE_S8_ANT7_2440_30~26500



BLE_S8_ANT7_2480_30~26500

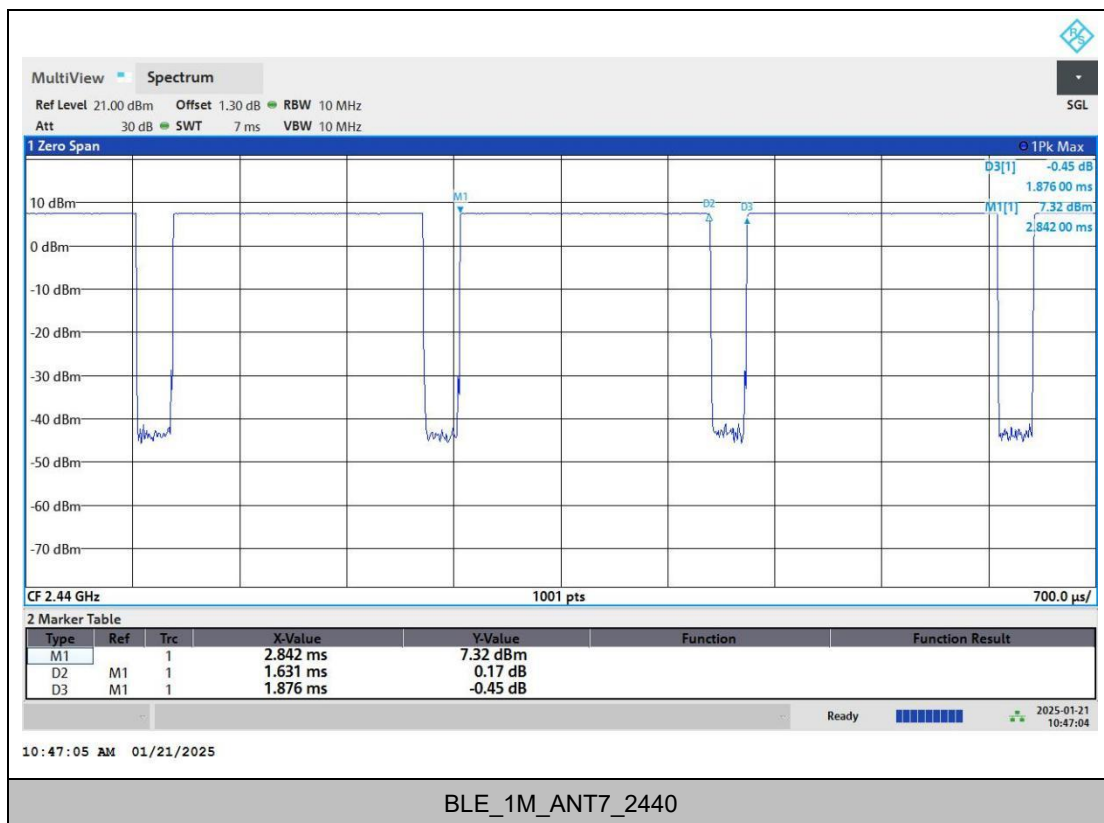


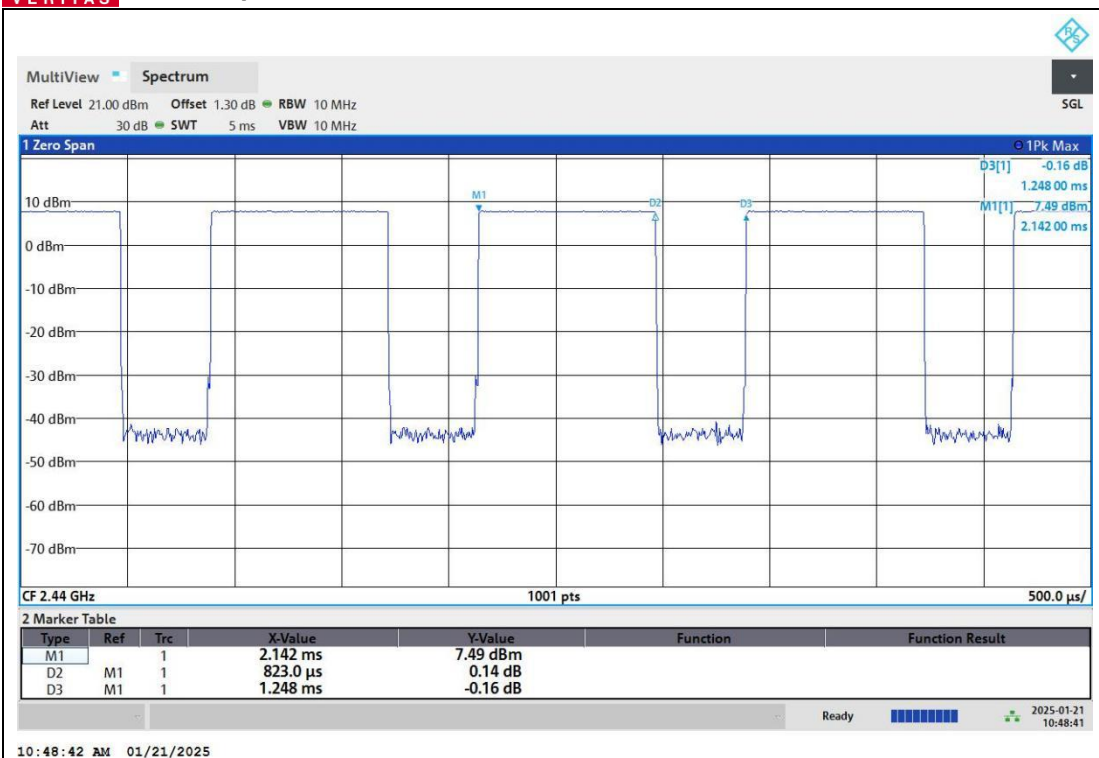
DUTY CYCLE

TEST RESULT

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
BLE_1M	ANT7	2440	1.631	1.876	86.94	0.61	---	PASS
BLE_2M	ANT7	2440	0.823	1.248	65.95	1.81	---	PASS
BLE-S2	ANT7	2440	3.552	4.38	81.10	0.91	---	PASS
BLE_S8	ANT7	2440	13.033	13.733	94.90	0.23	---	PASS

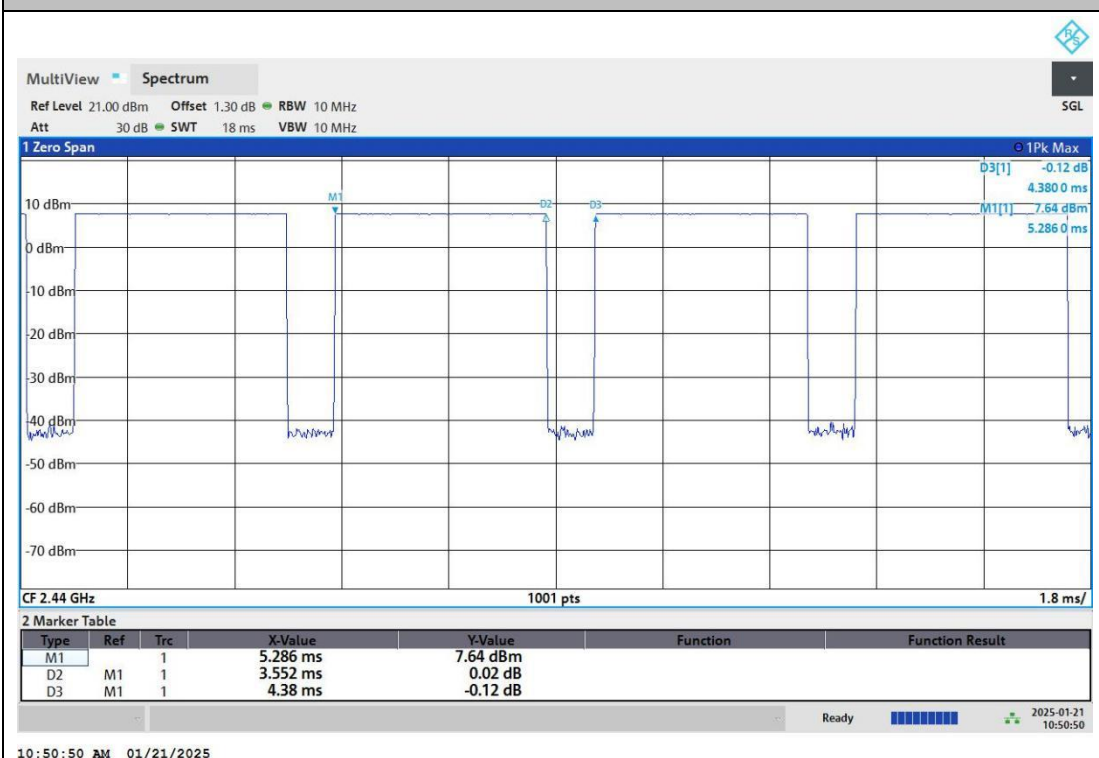
TEST GRAPHS





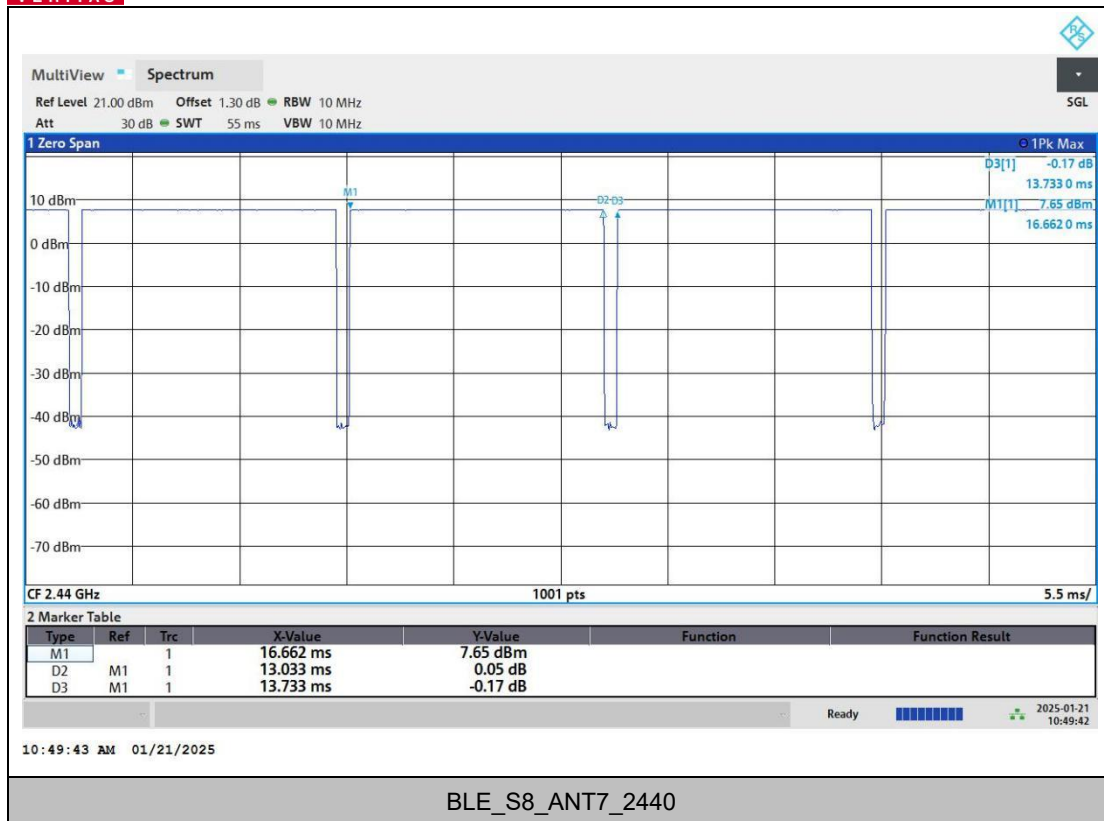
10:48:42 AM 01/21/2025

BLE_2M_ANT7_2440



10:50:50 AM 01/21/2025

BLE_S2_ANT7_2440



--END--