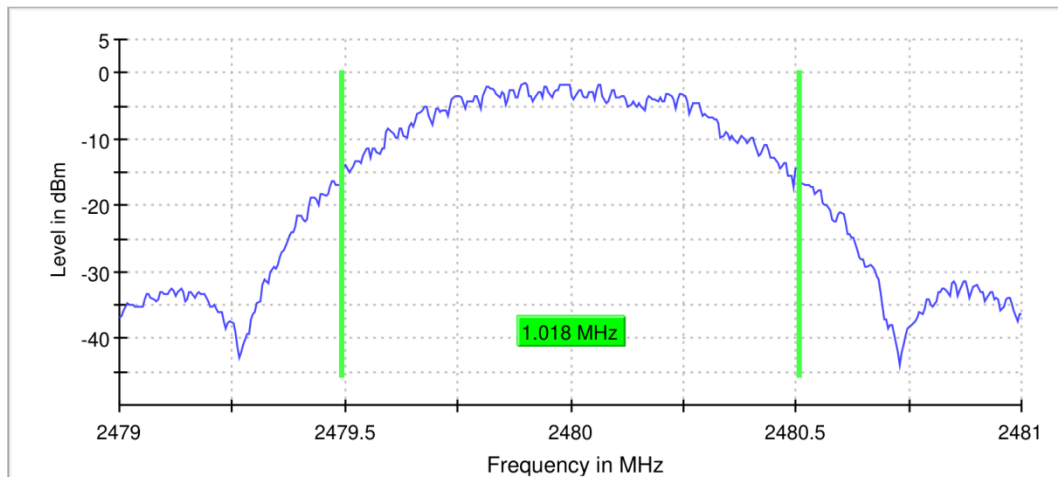


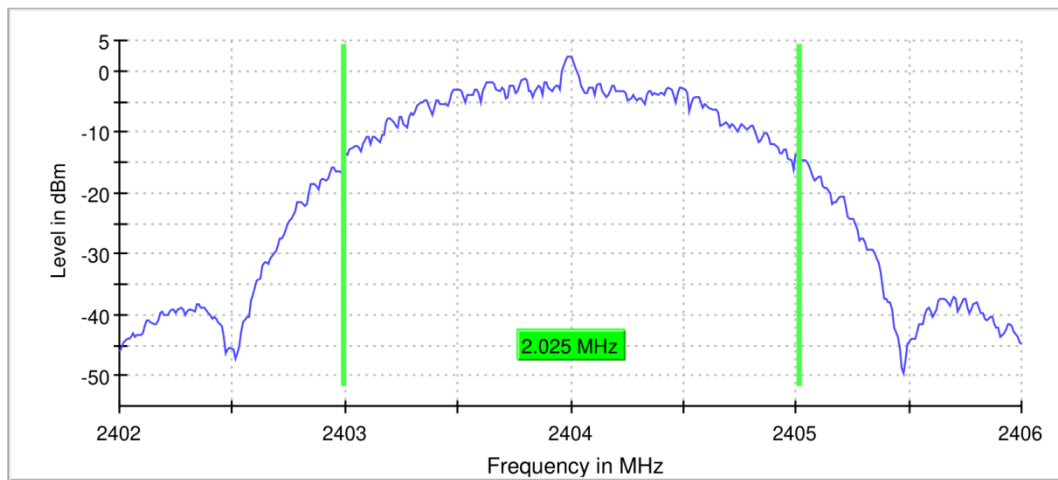


99 % Bandwidth



BLE\_1M\_ANT7\_2480

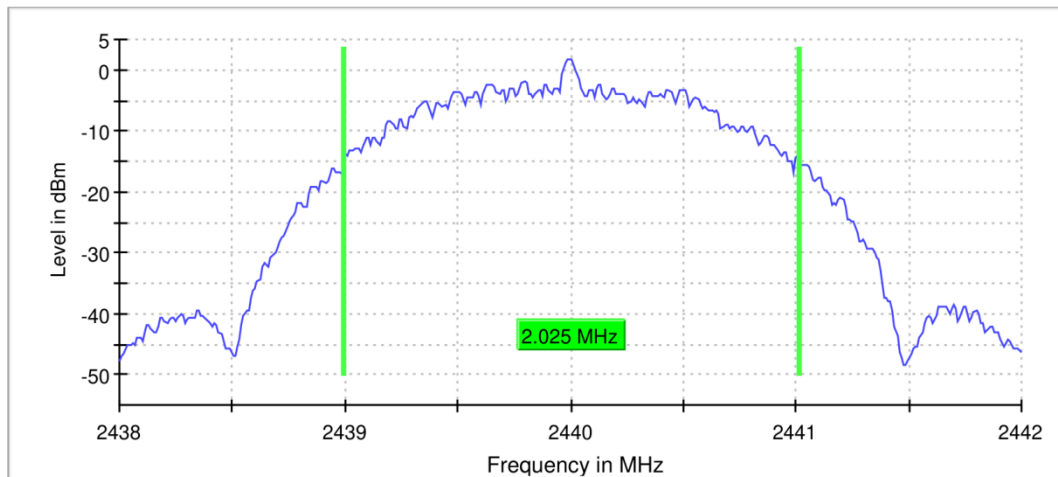
99 % Bandwidth



BLE\_2M\_ANT7\_2404

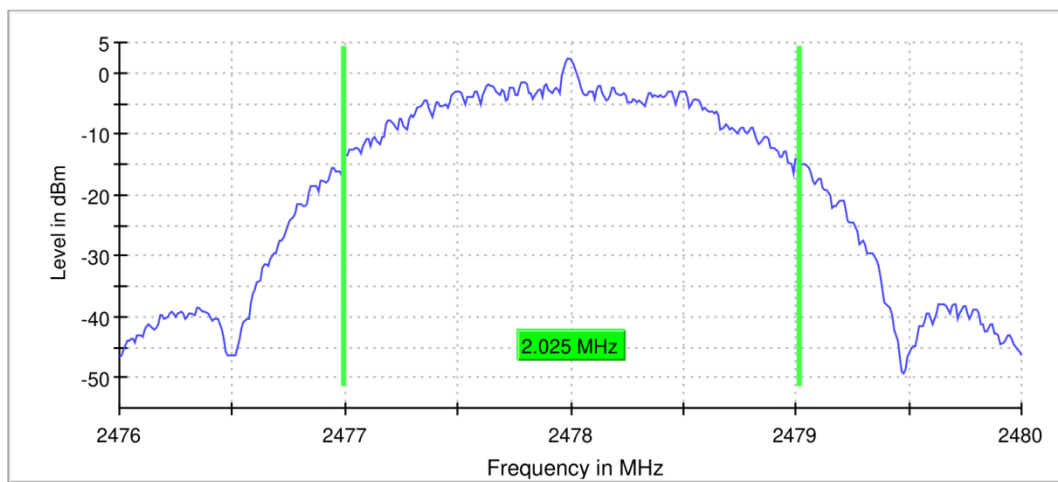


99 % Bandwidth



BLE\_2M\_ANT7\_2440

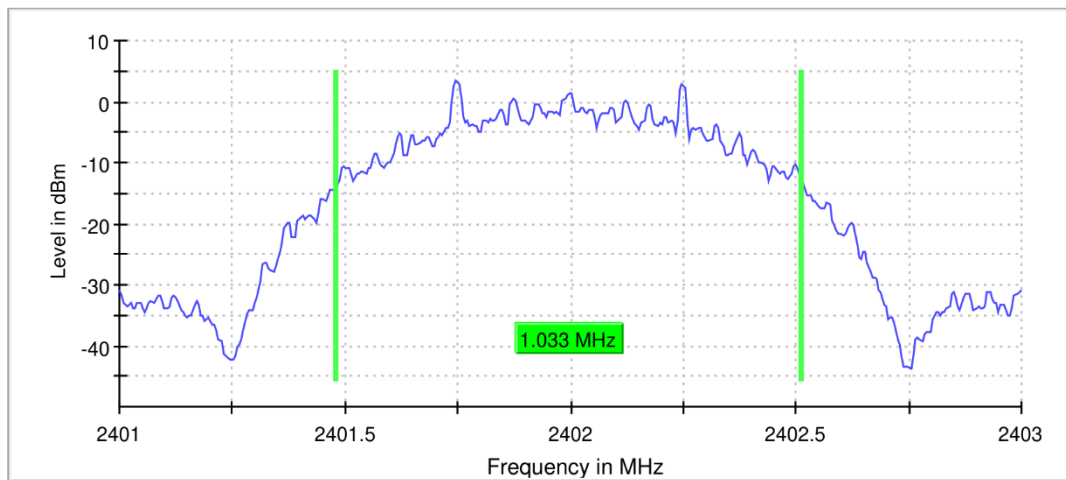
99 % Bandwidth



BLE\_2M\_ANT7\_2478

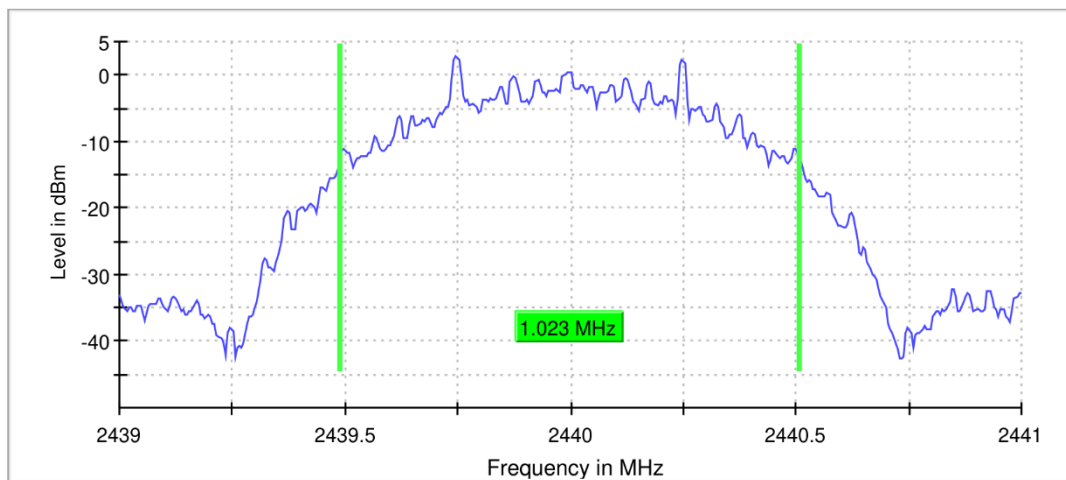


99 % Bandwidth



BLE\_S2\_ANT7\_2402

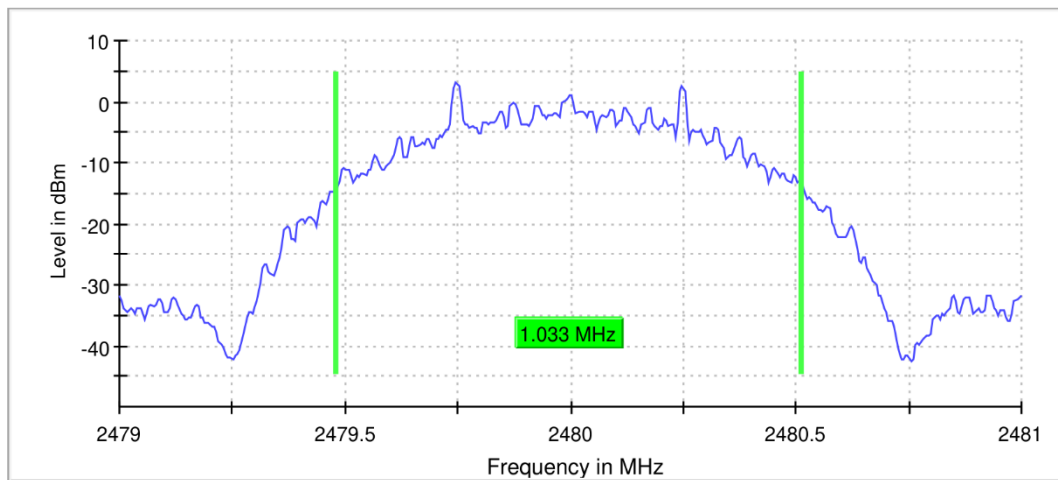
99 % Bandwidth



BLE\_S2\_ANT7\_2440

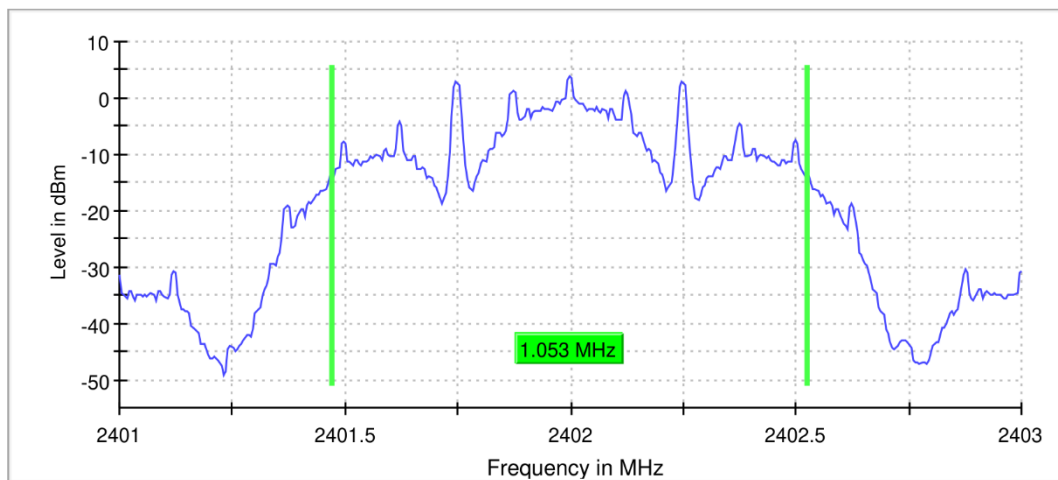


99 % Bandwidth

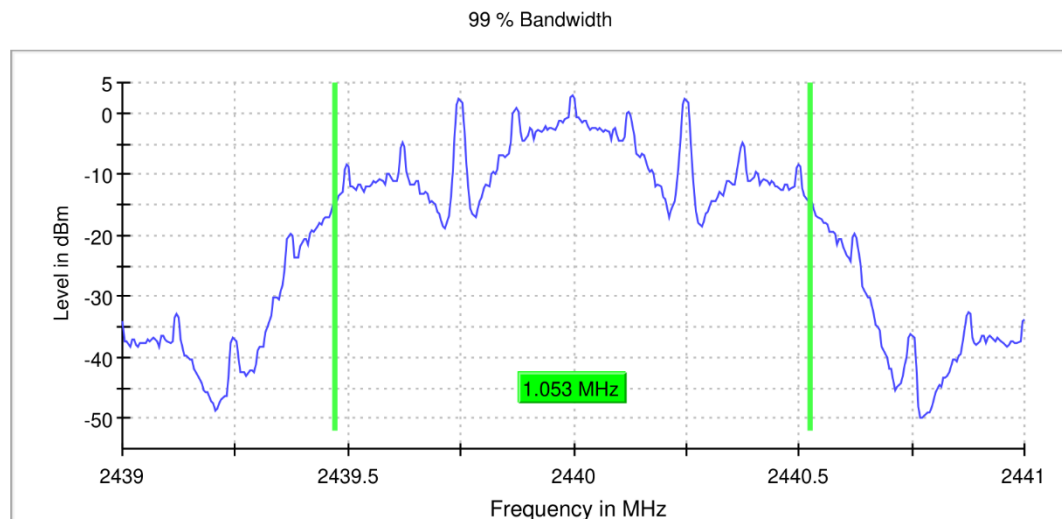


BLE\_S2\_ANT7\_2480

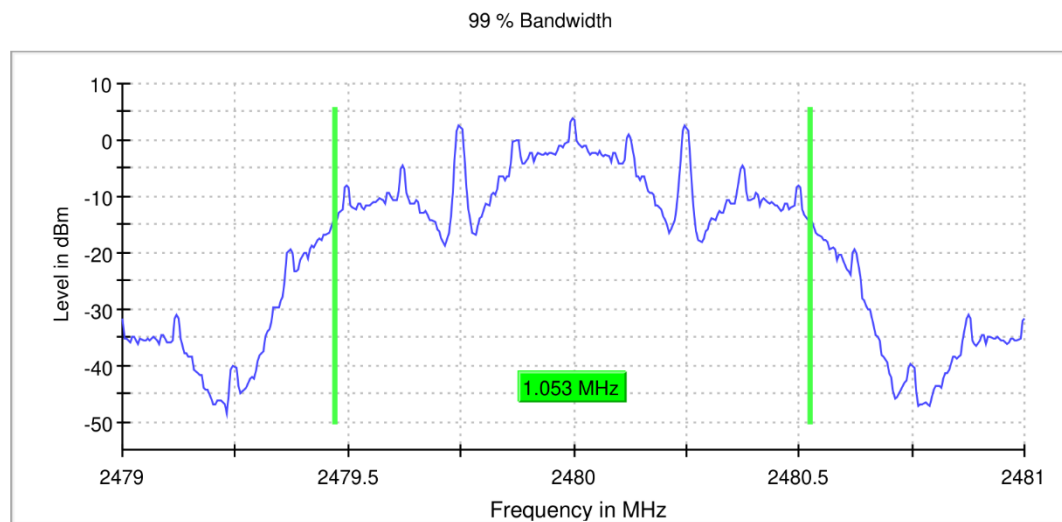
99 % Bandwidth



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**

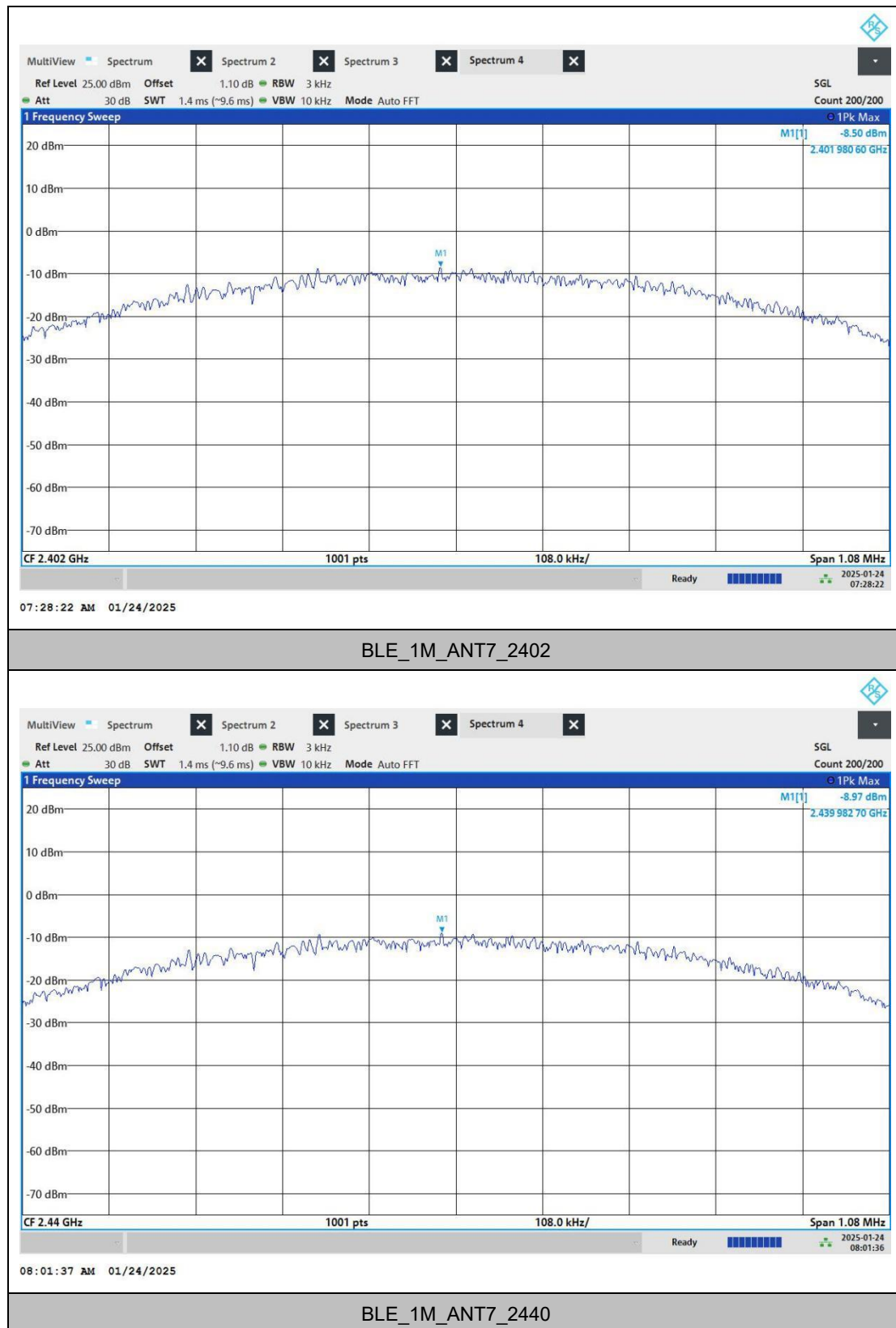
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	ANT7	2402	-8.50	≤8	PASS
		2440	-8.97	≤8	PASS
		2480	-8.59	≤8	PASS
BLE_2M	ANT7	2404	-10.76	≤8	PASS
		2440	-11.49	≤8	PASS
		2478	-10.91	≤8	PASS
BLE_S2	ANT7	2402	-1.72	≤8	PASS



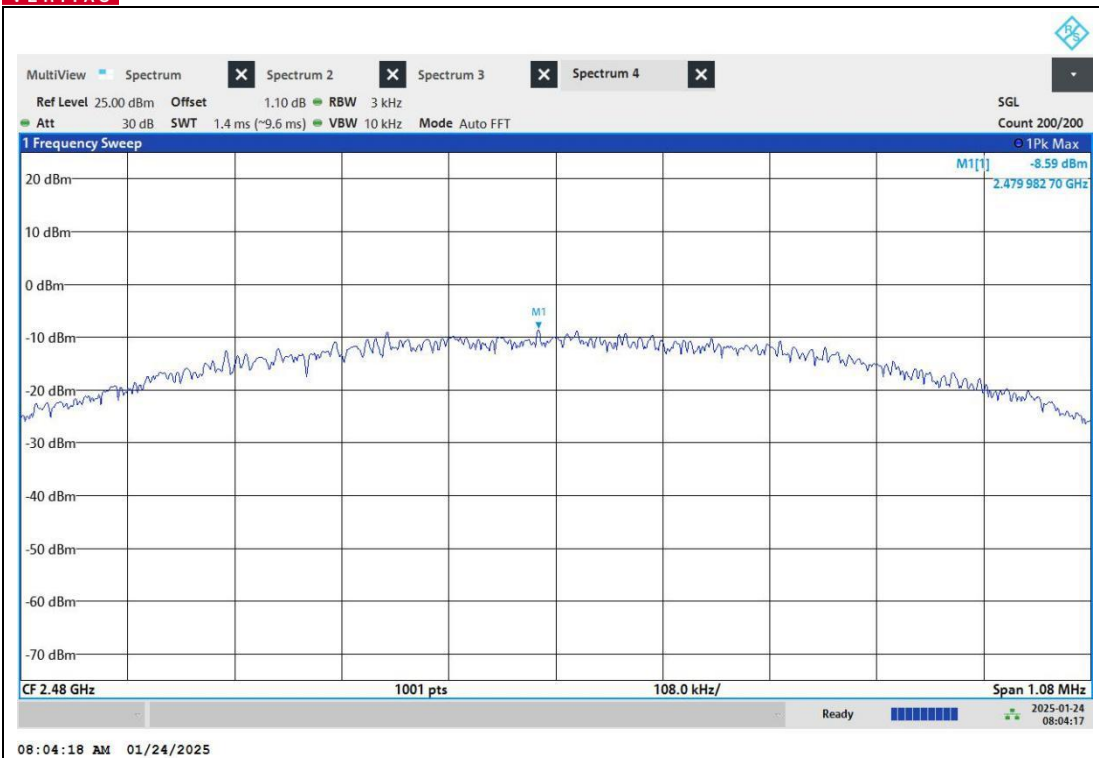
		2440	-1.38	≤8	PASS
		2480	-1.73	≤8	PASS
BLE_S8	ANT7	2402	1.95	≤8	PASS
		2440	1.25	≤8	PASS
		2480	1.62	≤8	PASS



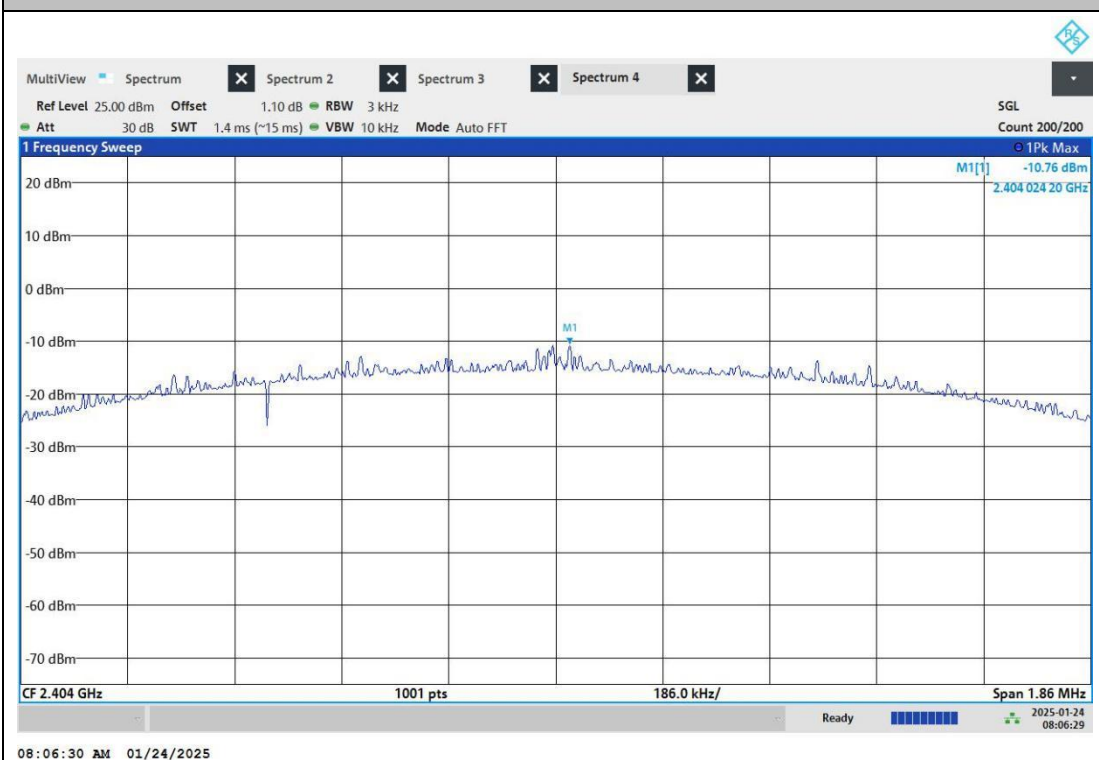
## TEST GRAPHS



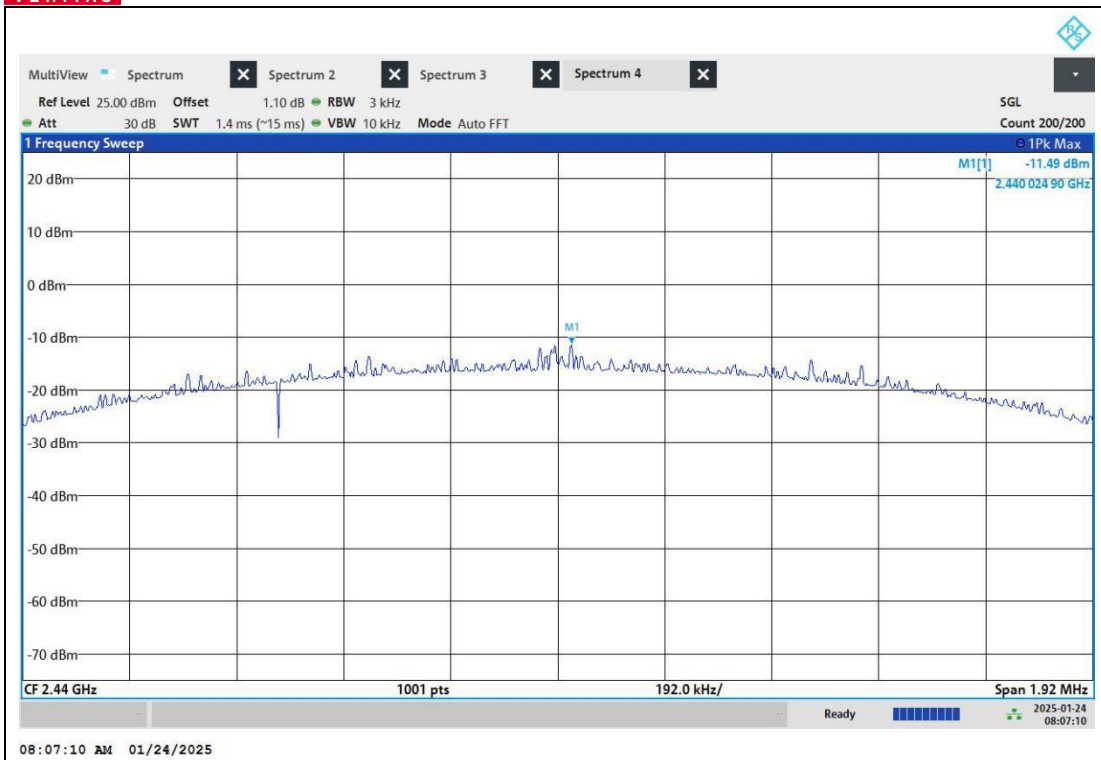




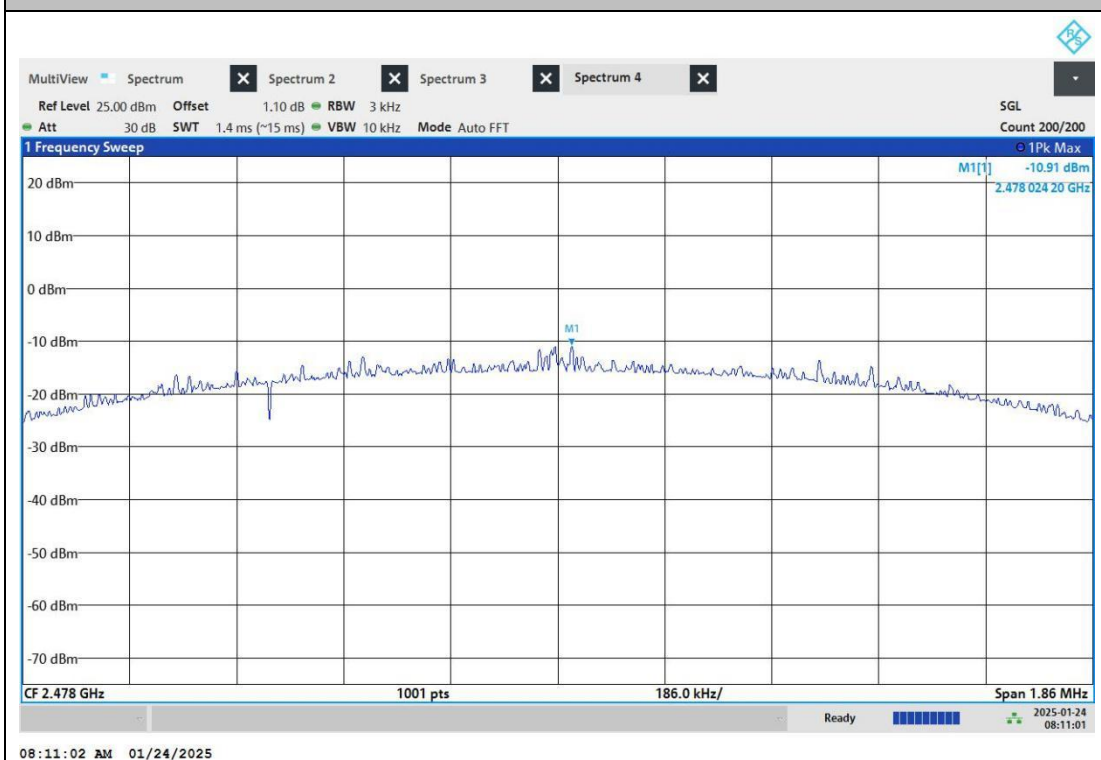
BLE\_1M\_ANT7\_2480



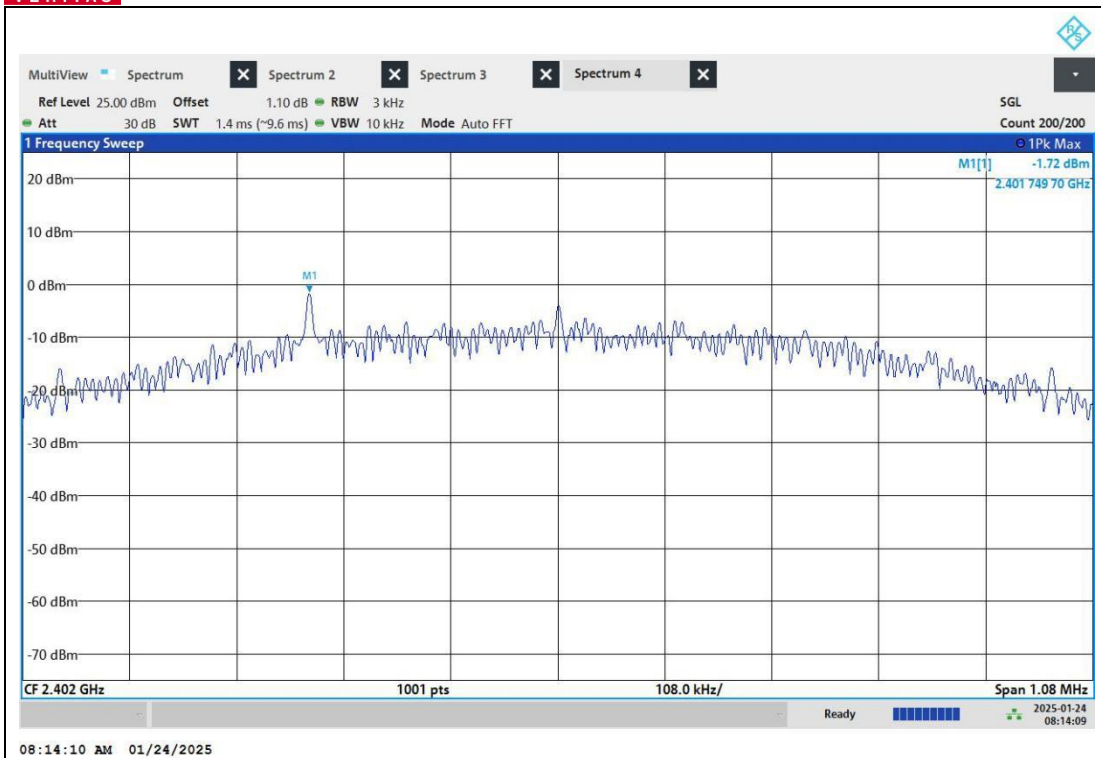
BLE\_2M\_ANT7\_2404



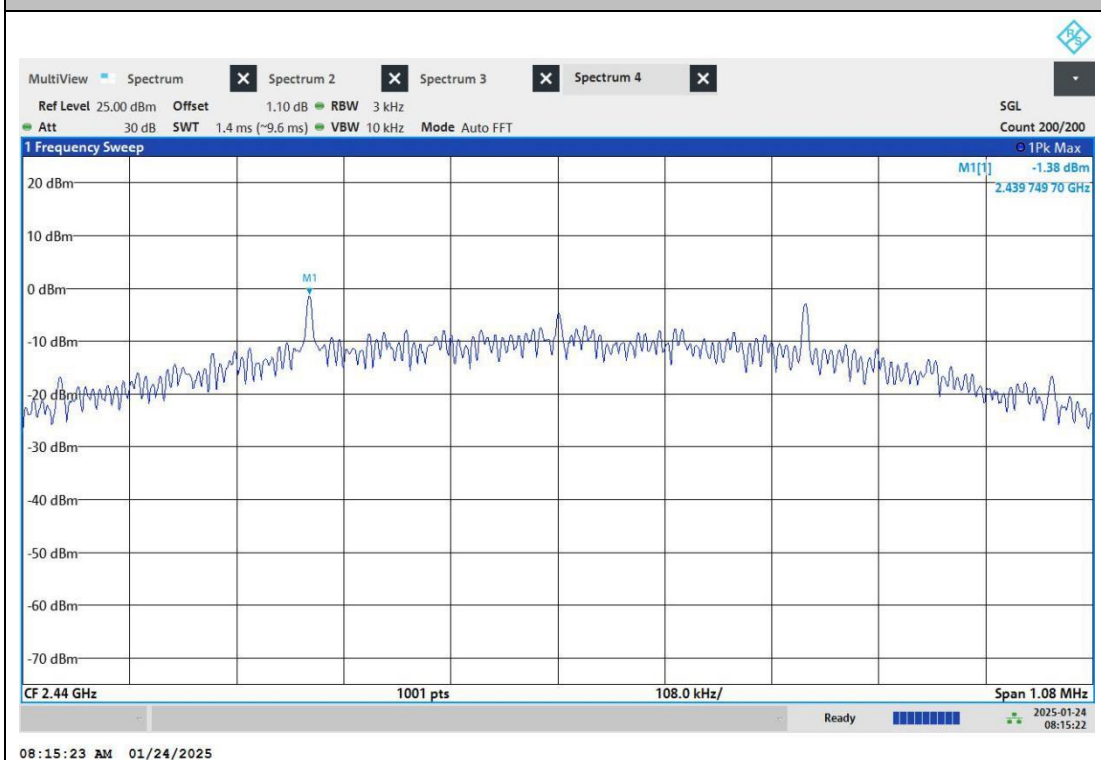
BLE\_2M\_ANT7\_2440



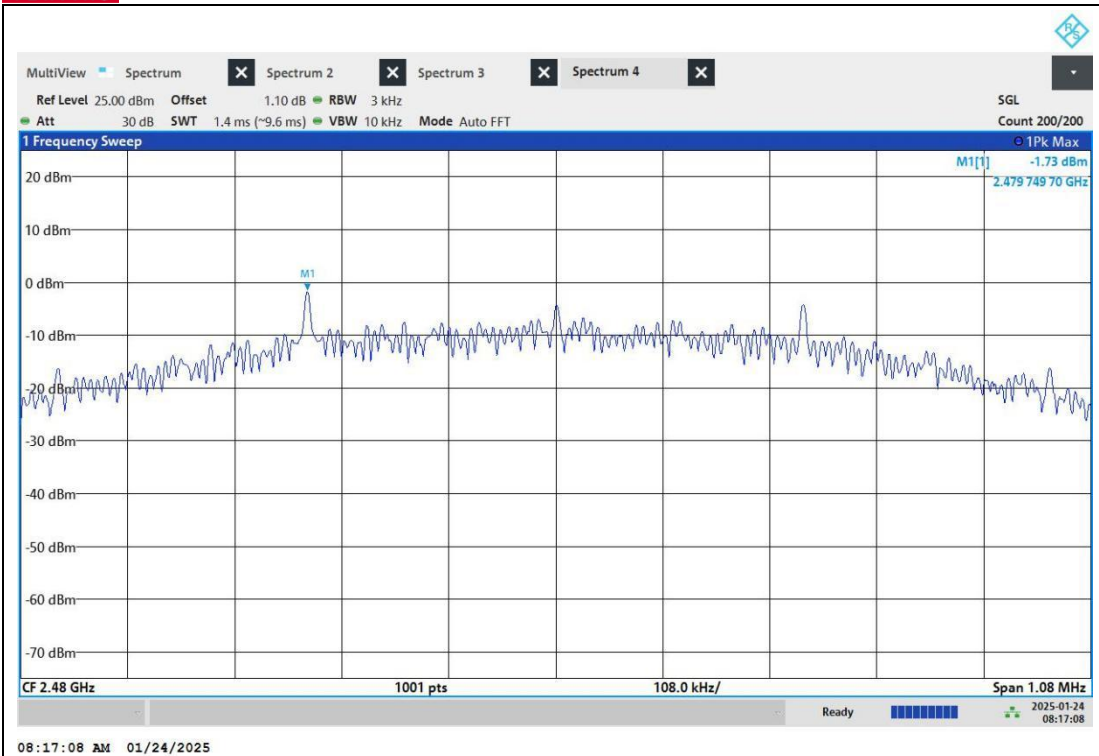
BLE\_2M\_ANT7\_2478



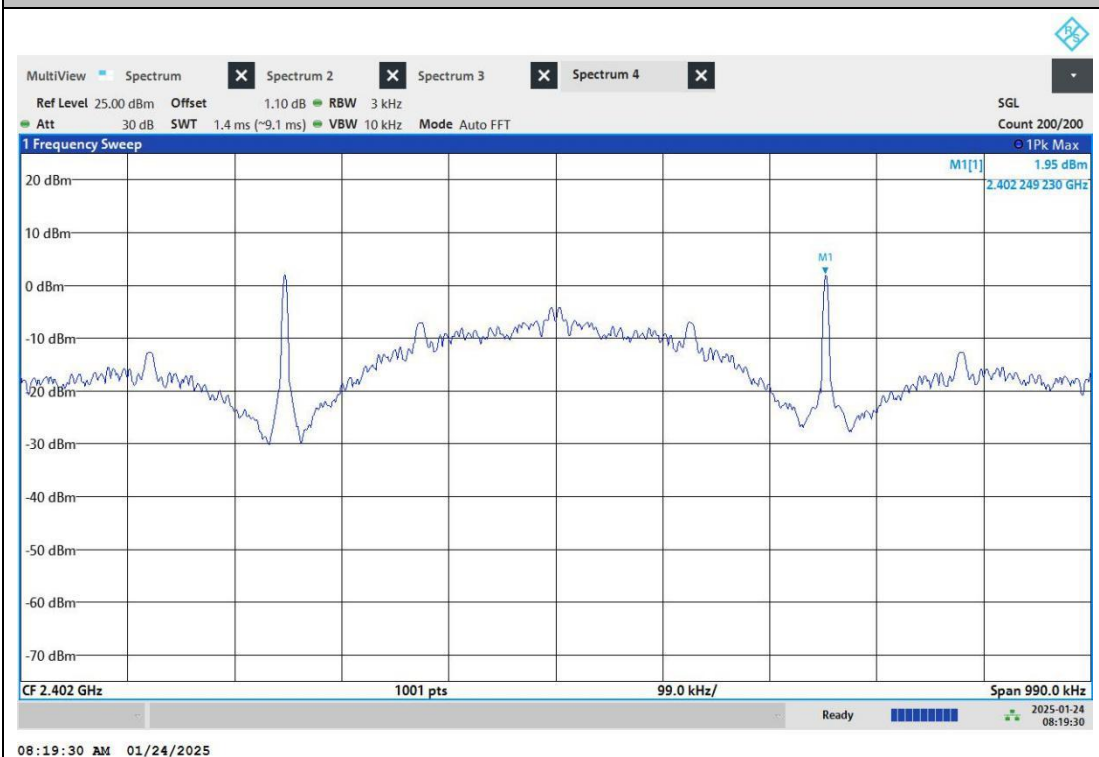
BLE\_S2\_ANT7\_2402



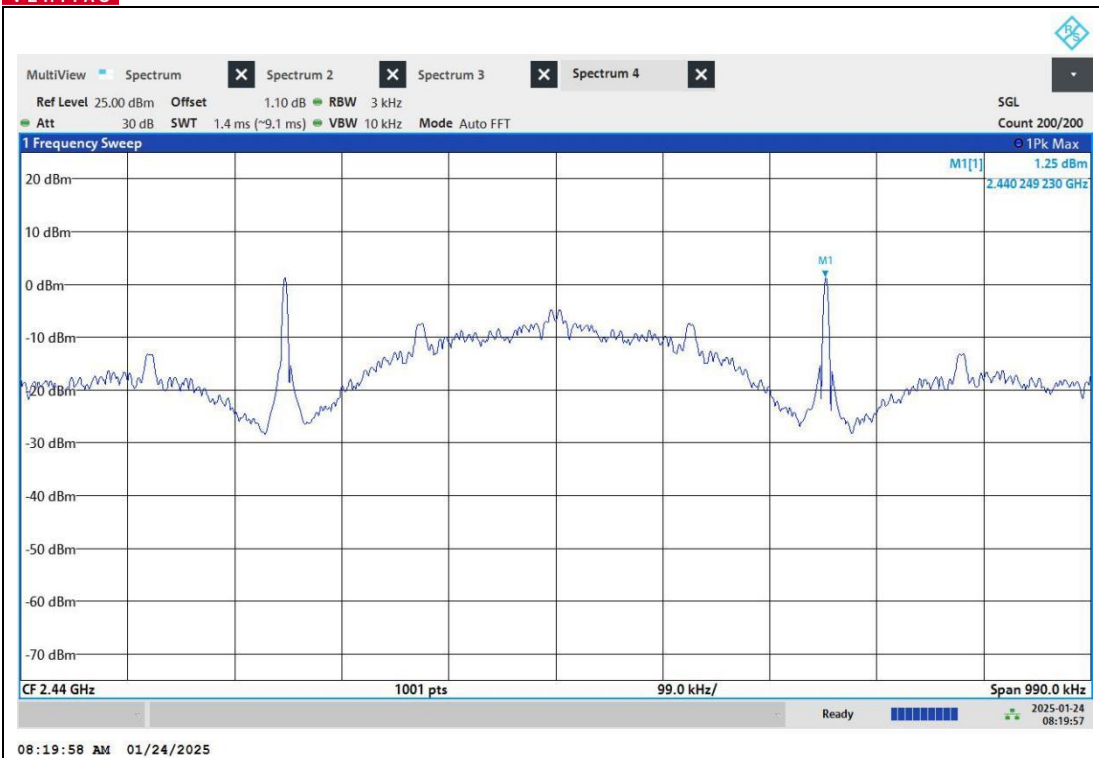
BLE\_S2\_ANT7\_2440



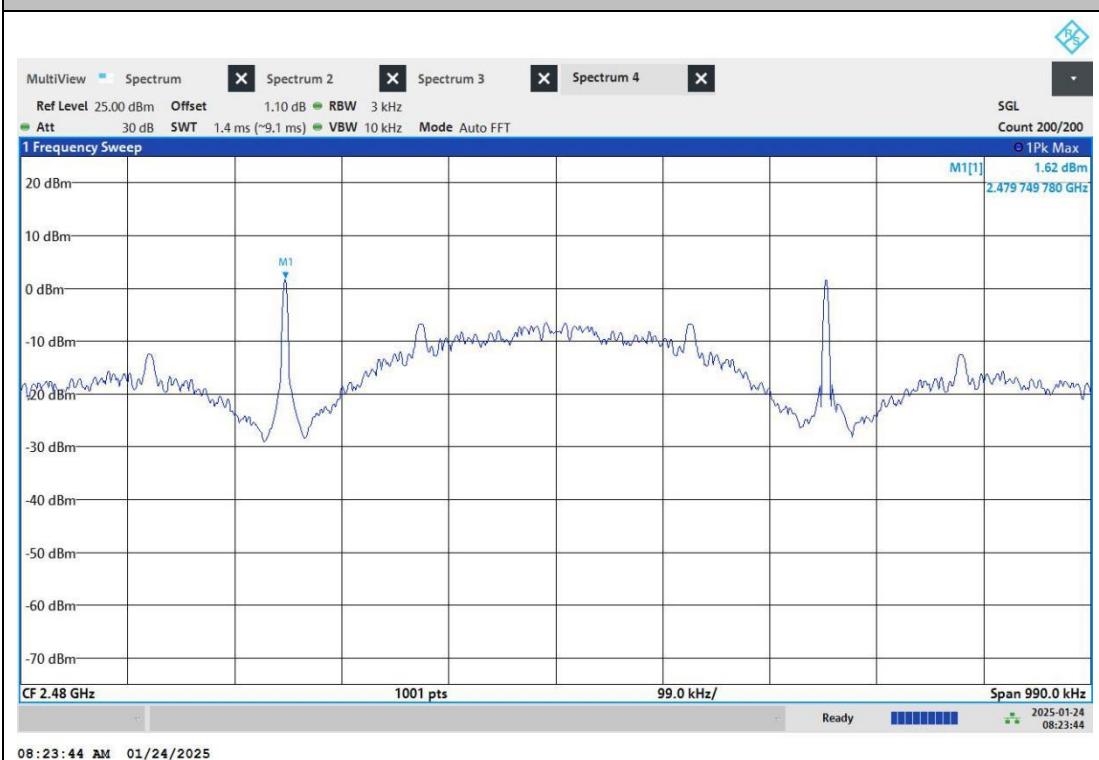
BLE\_S2\_ANT7\_2480



BLE\_S8\_ANT7\_2402



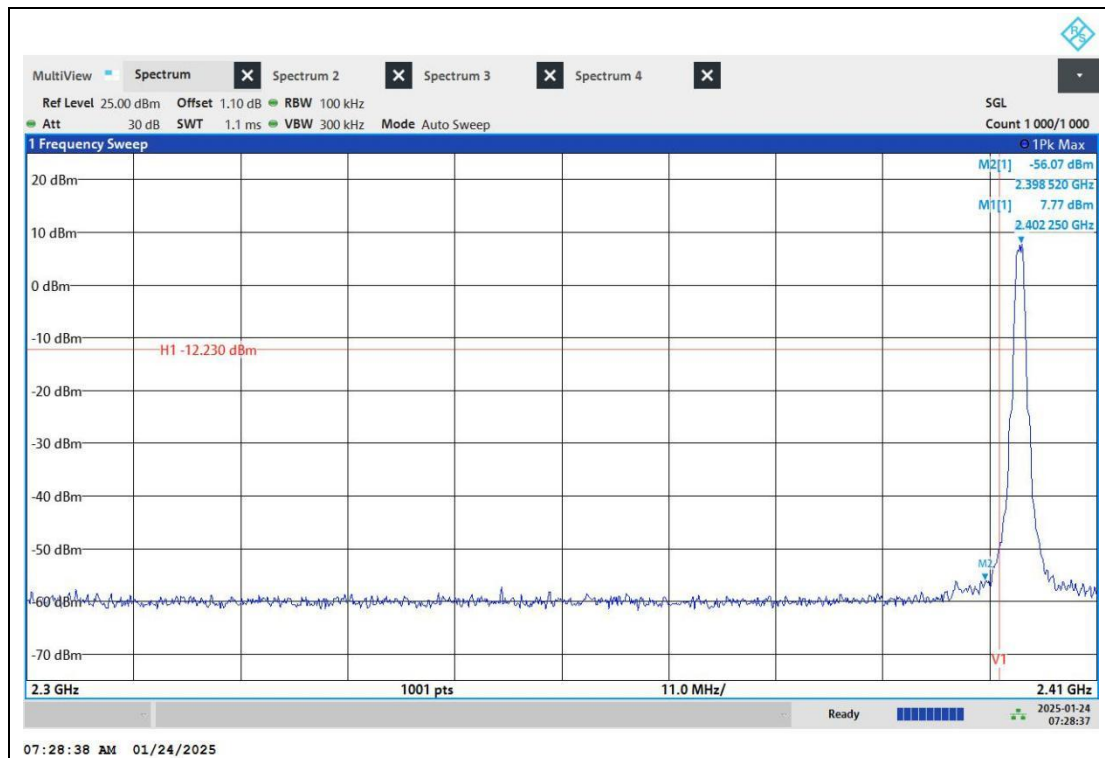
BLE\_S8\_ANT7\_2440



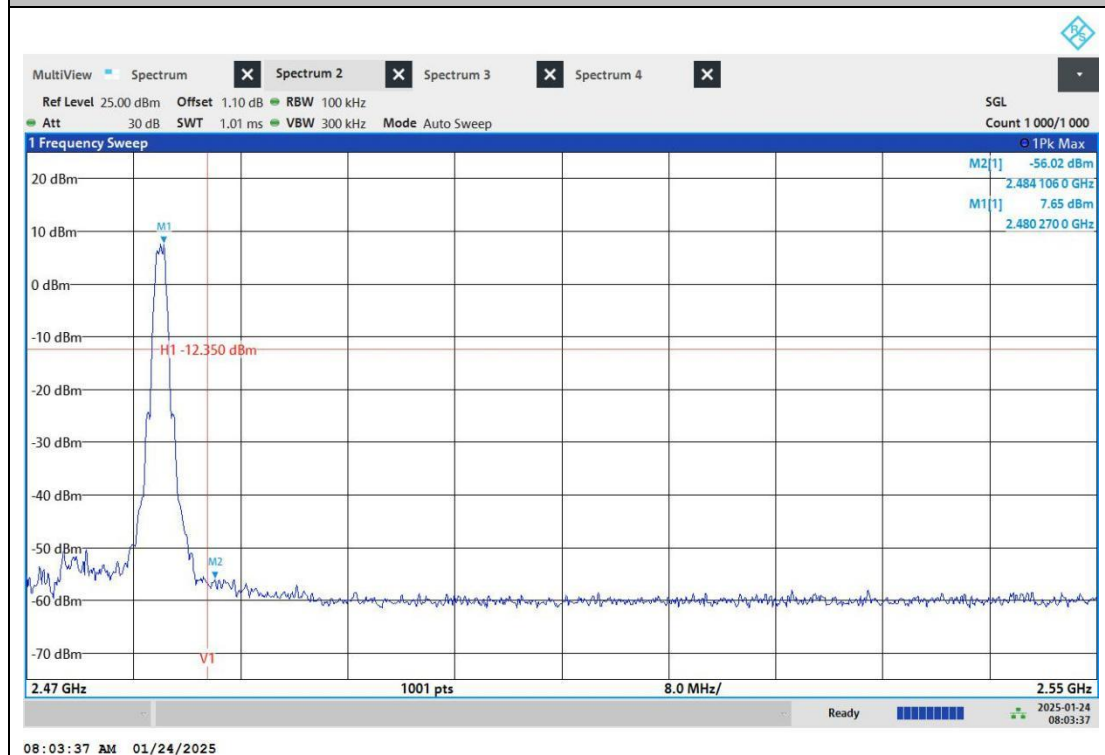
BLE\_S8\_ANT7\_2480

**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

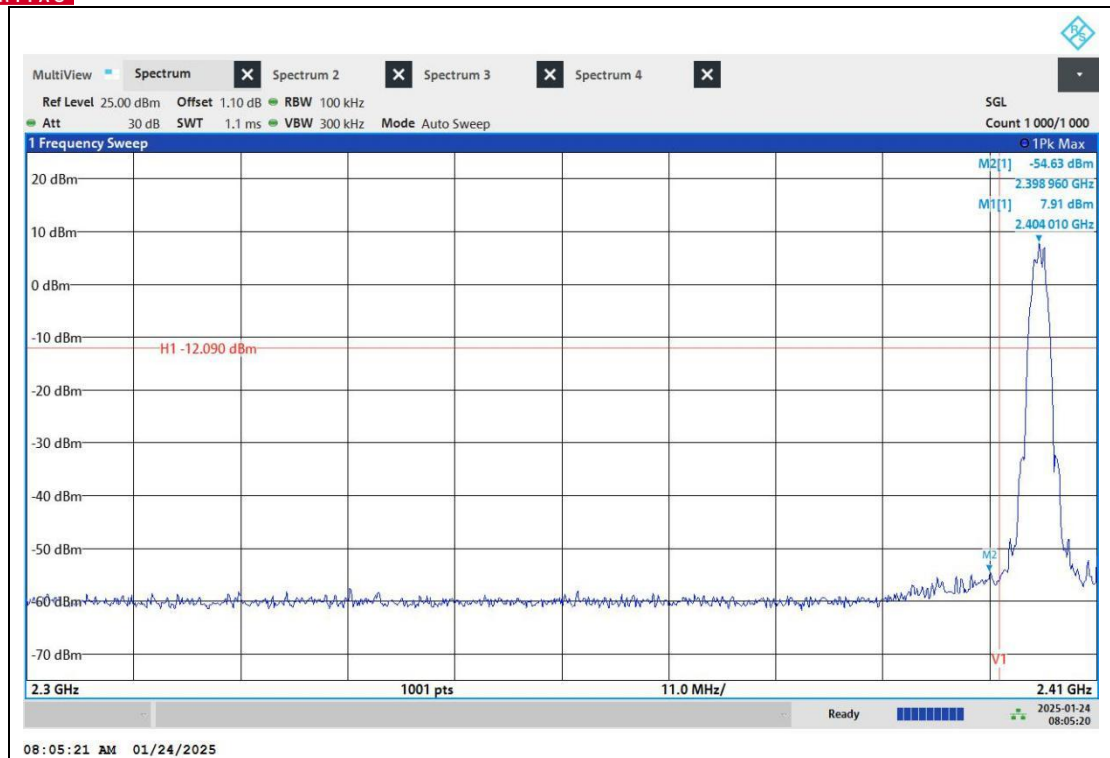


BLE\_1M\_ANT7\_Low\_2402

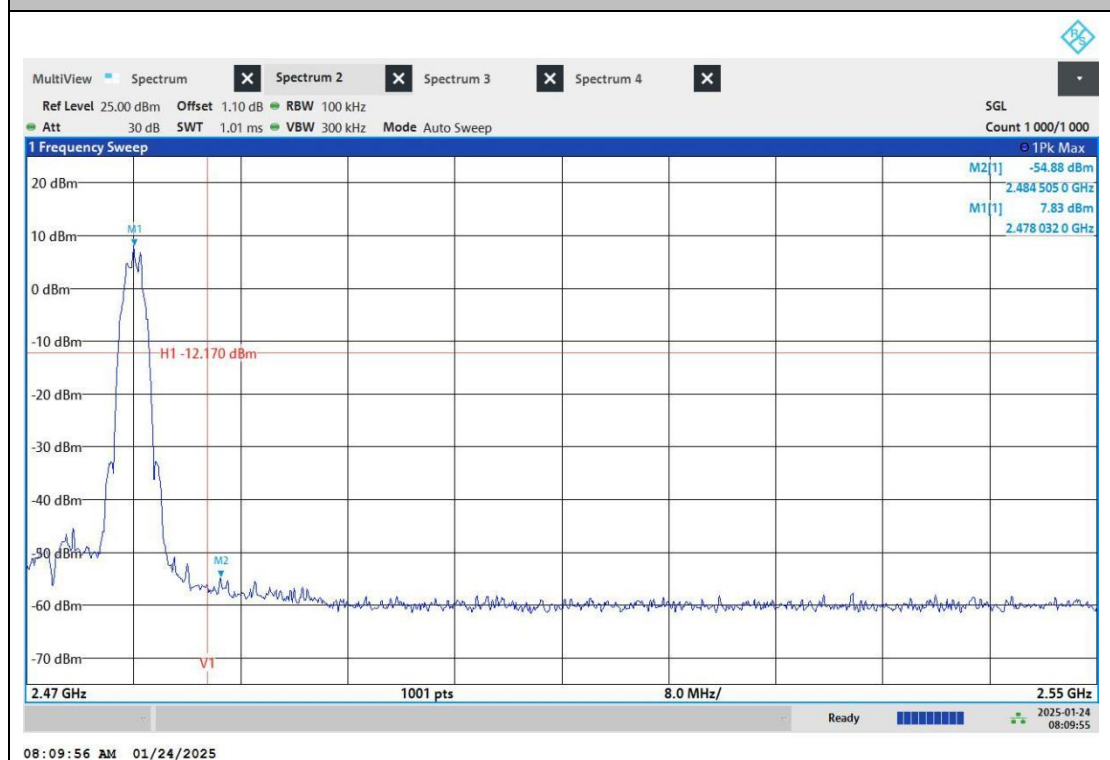


BLE\_1M\_ANT7\_High\_2480



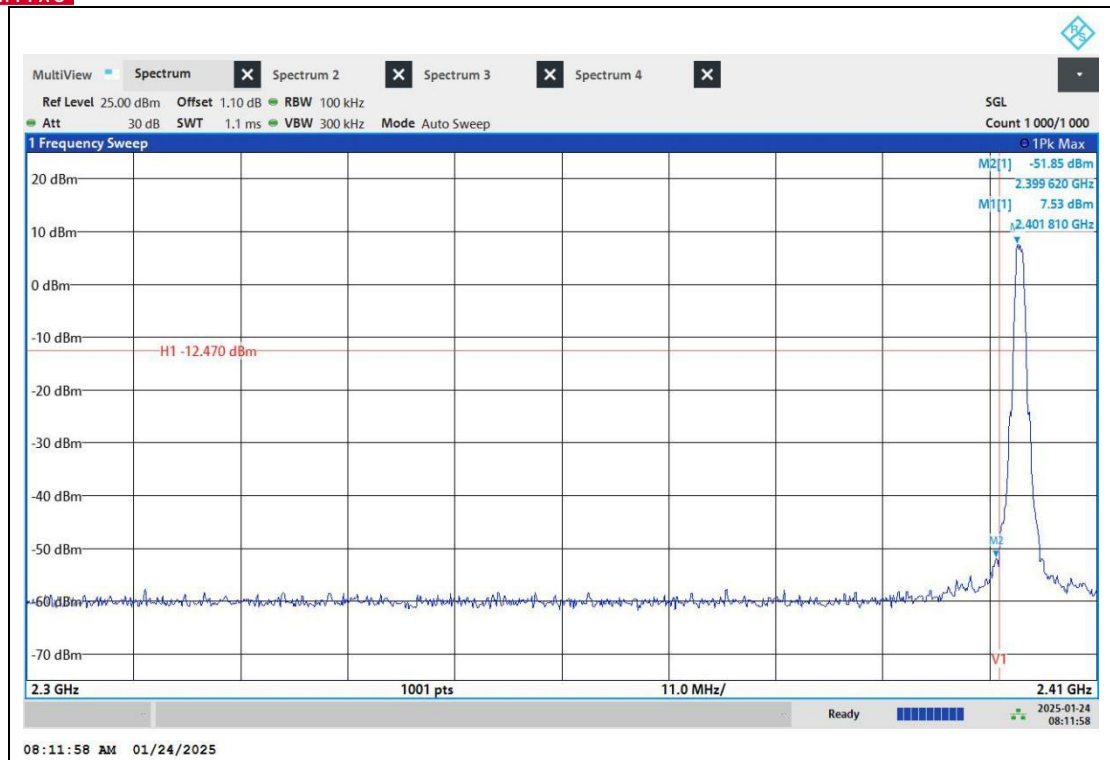


BLE\_2M\_ANT7\_Low\_2404

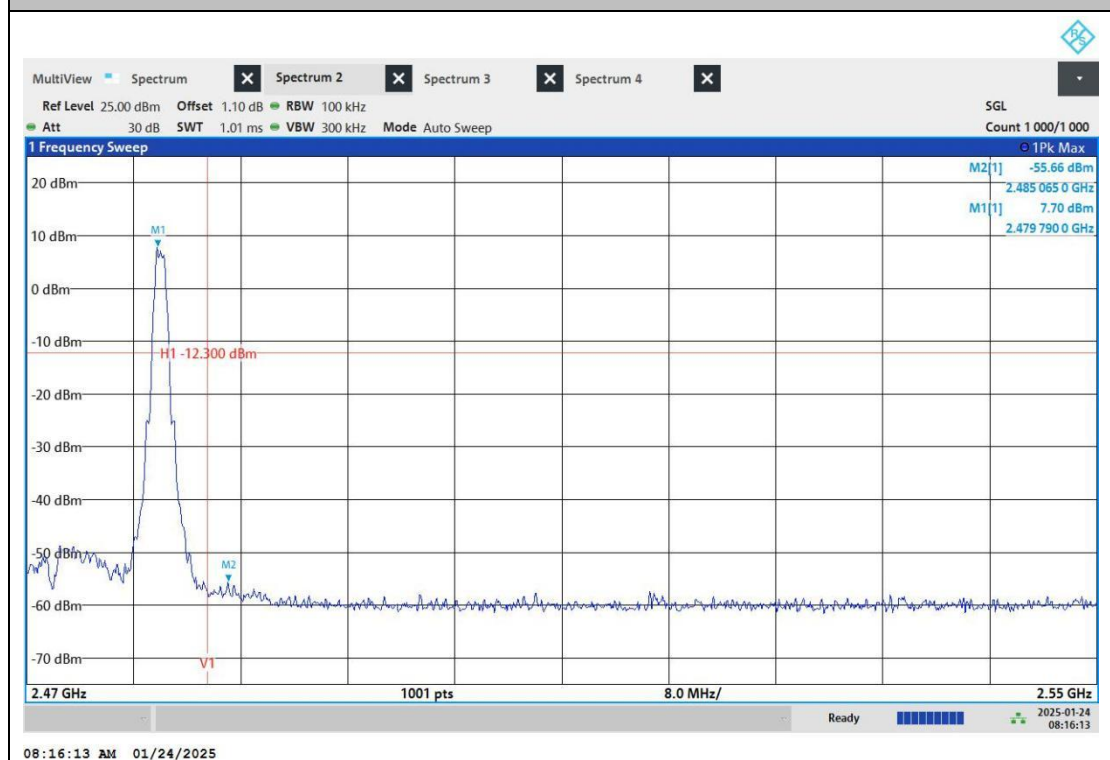


BLE\_2M\_ANT7\_High\_2478

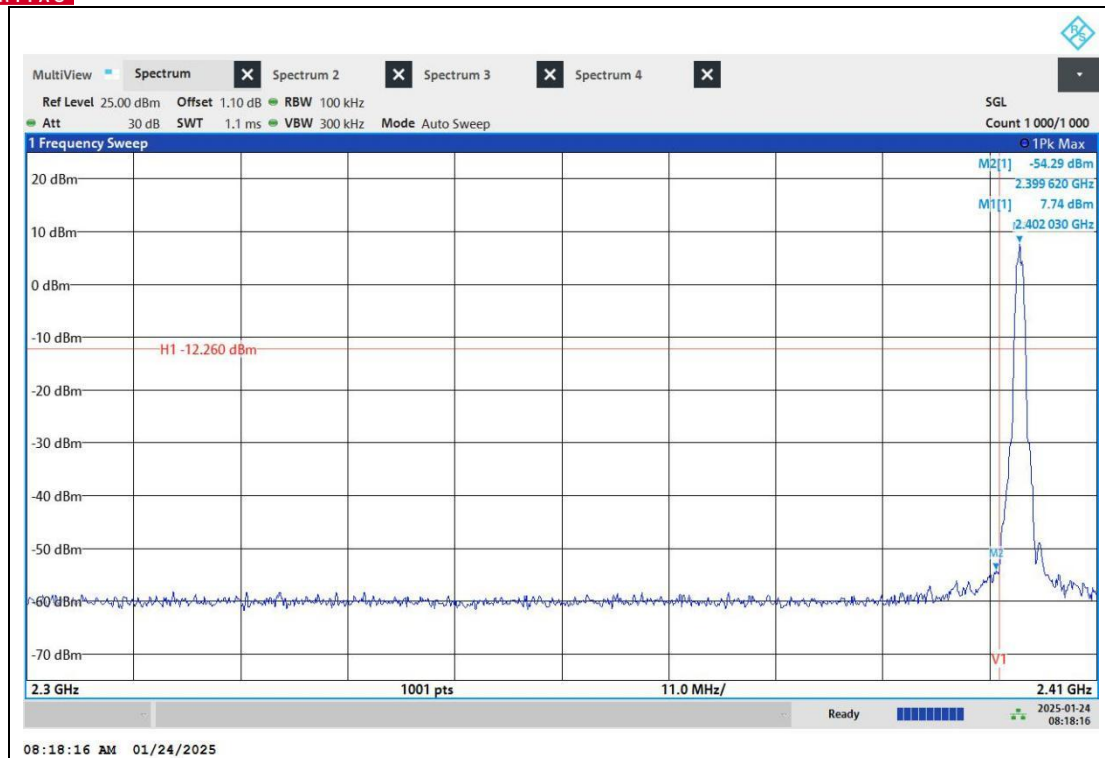




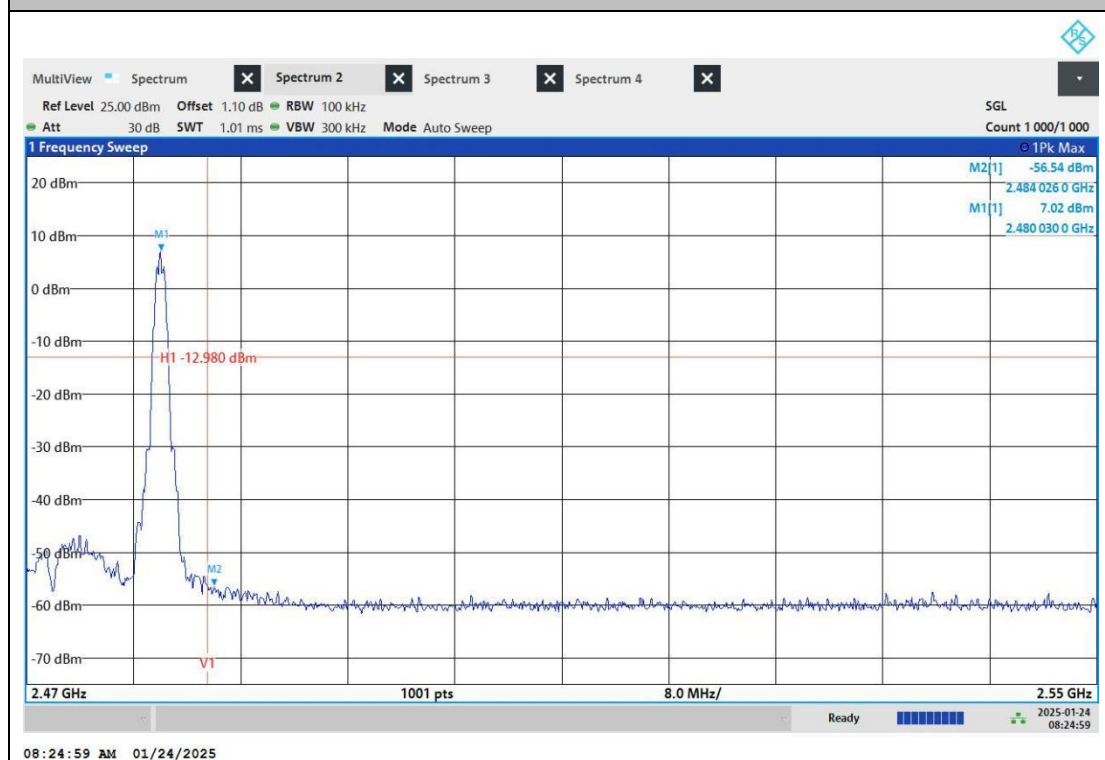
BLE\_S2\_ANT7\_Low\_2402



BLE\_S2\_ANT7\_High\_2480



BLE\_S8\_ANT7\_Low\_2402



BLE\_S8\_ANT7\_High\_2480

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

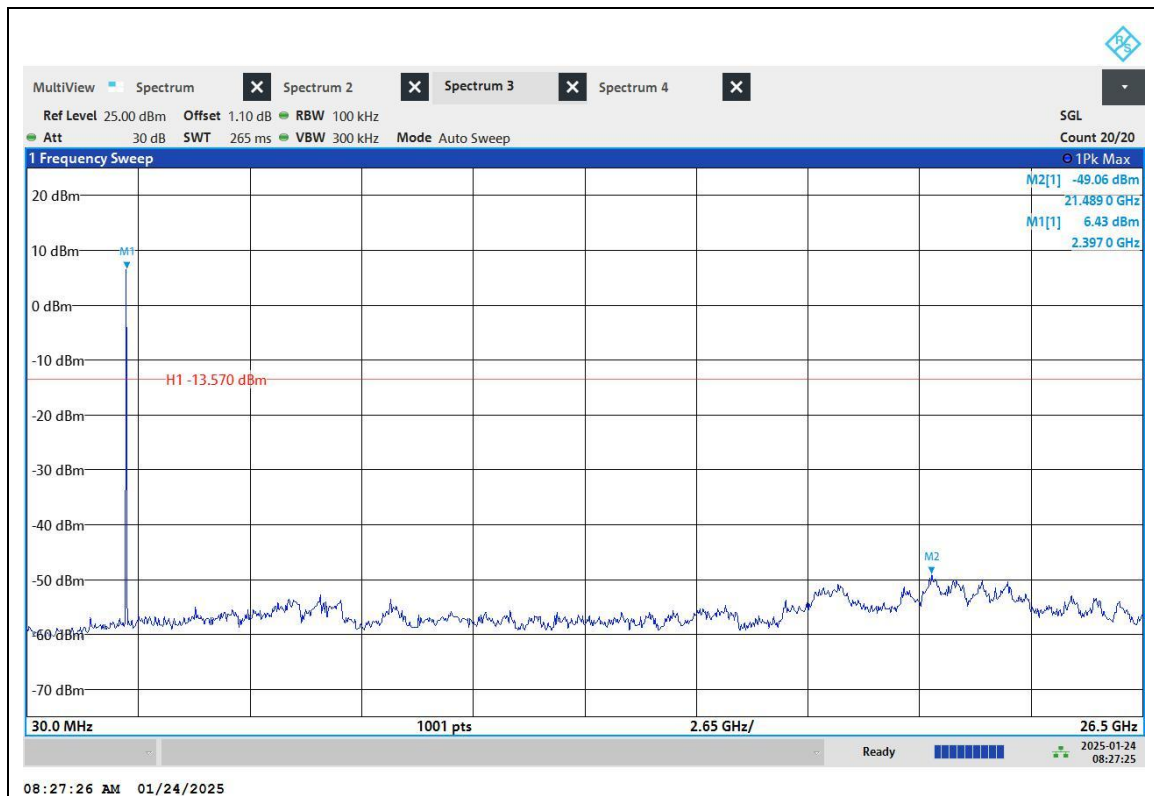
TestMode	Antenna	Channel	FreqRange [MHz]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT7	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS
BLE_2M	ANT7	2404	30~26500	See test graph	See test graph	PASS
		2440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



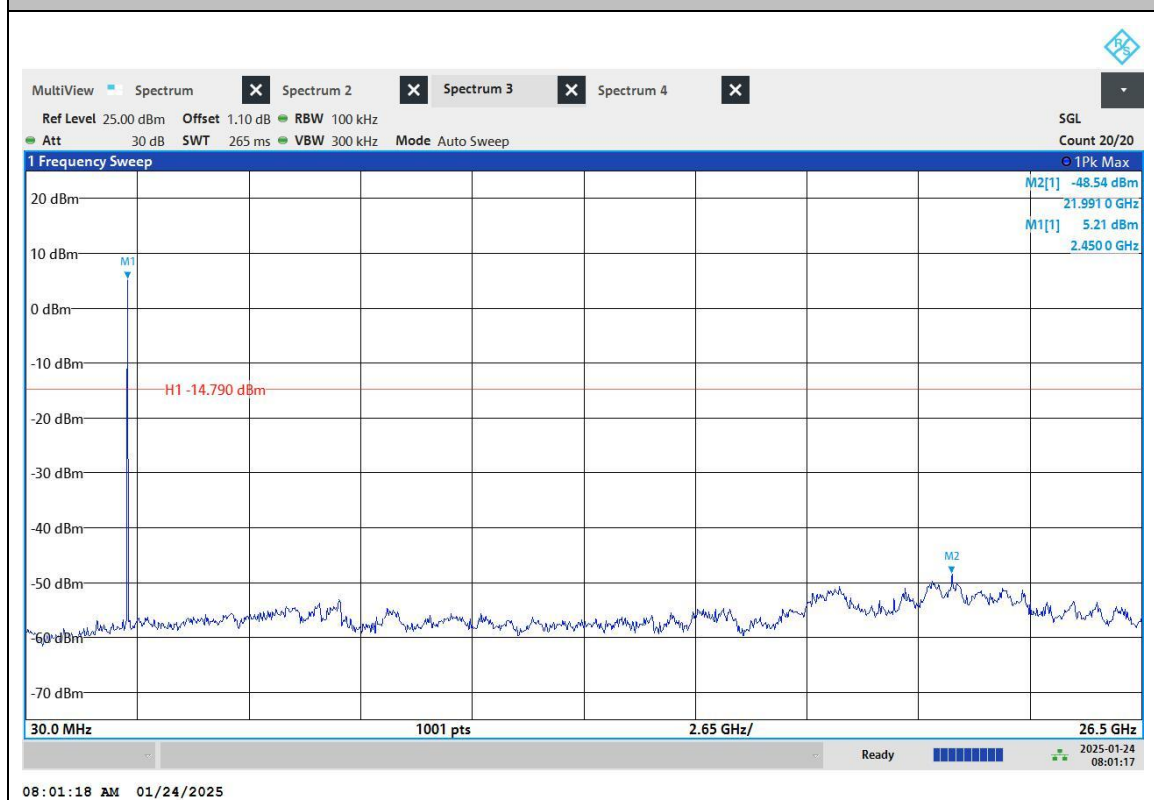
BUREAU  
VERITAS

# Test Report No.: PSU-NQN2412090210RF02

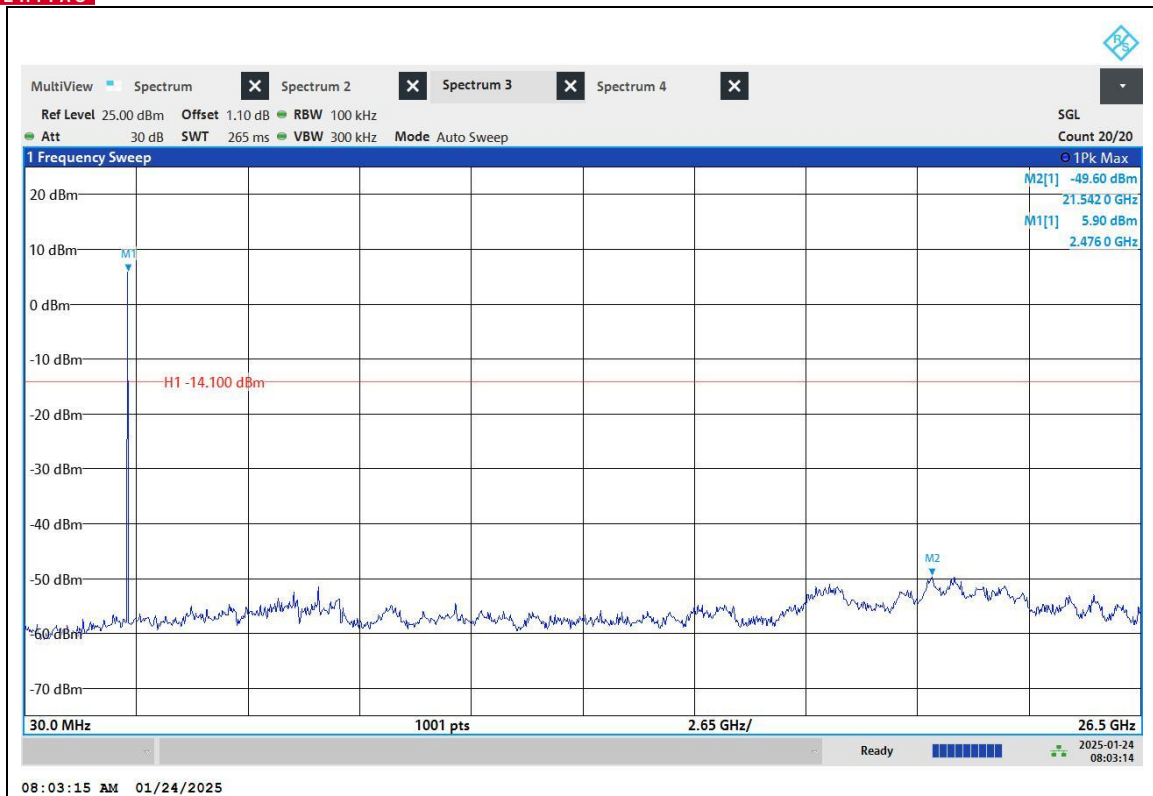
## TEST GRAPHS



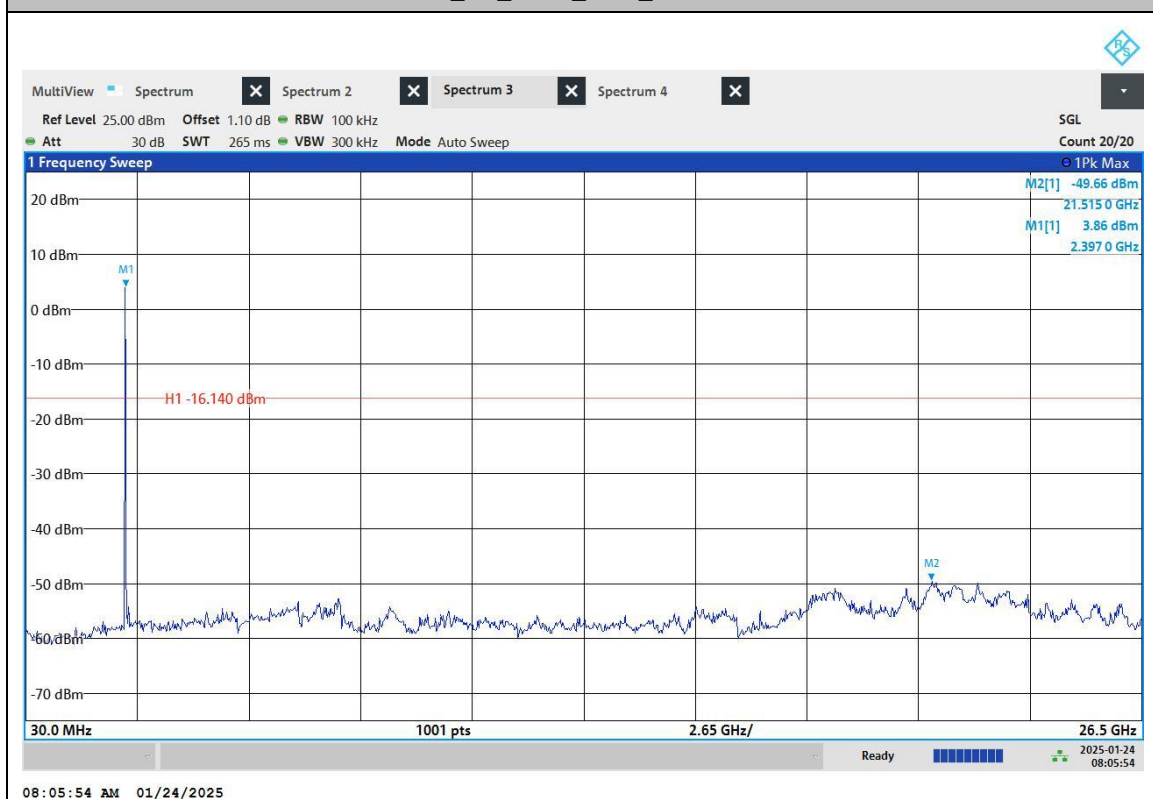
BLE\_1M\_ANT7\_2402\_30~26500



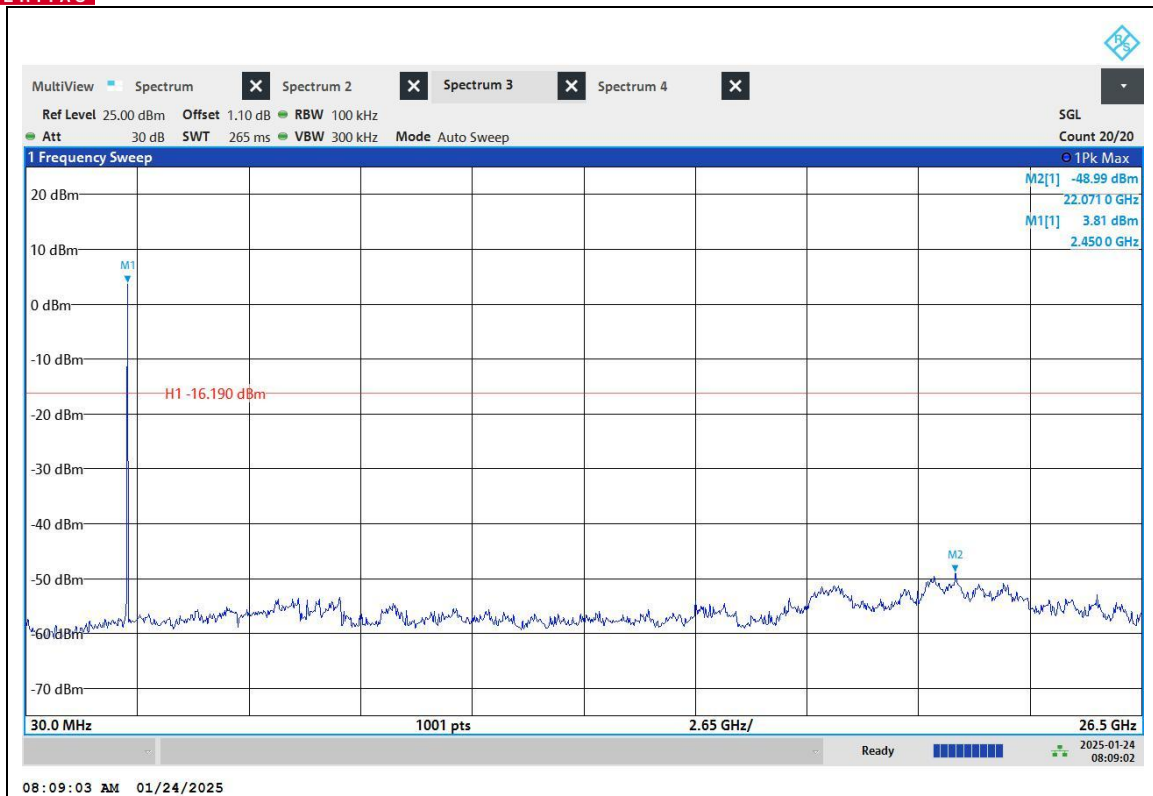
BLE\_1M\_ANT7\_2440\_30~26500



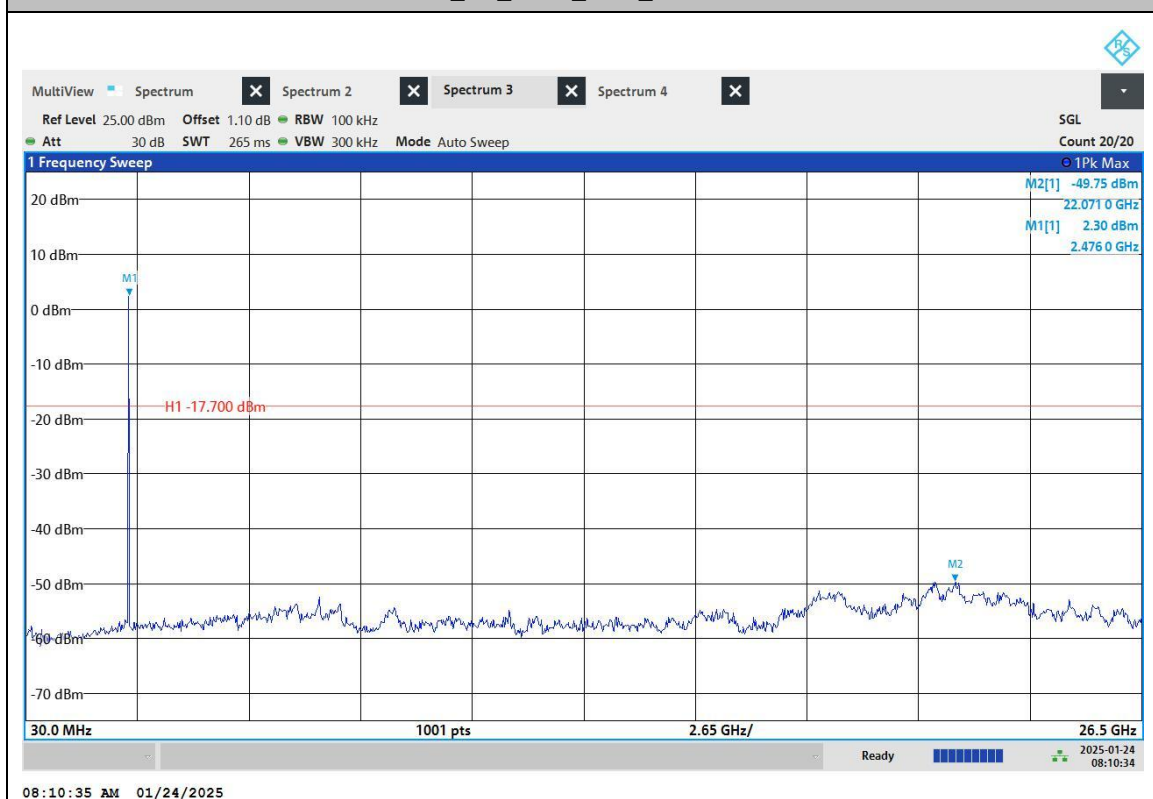
BLE\_1M\_ANT7\_2480\_30~26500



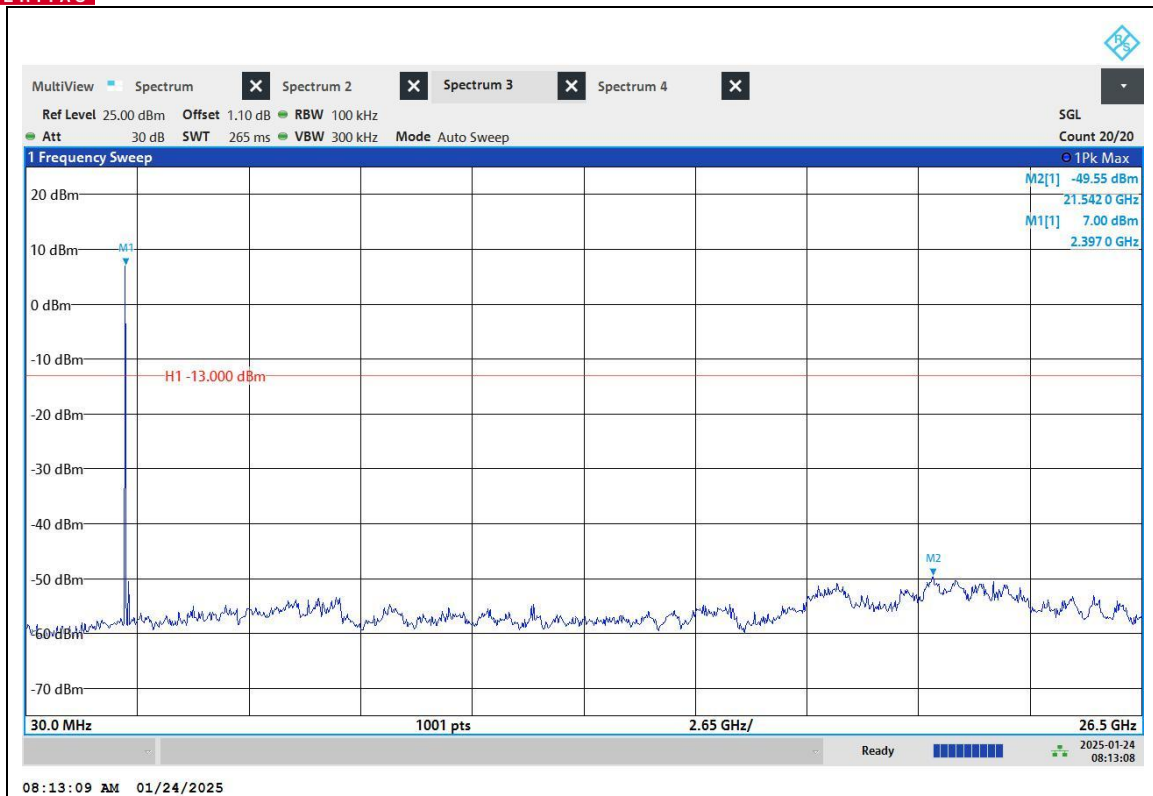
BLE\_2M\_ANT7\_2404\_30~26500



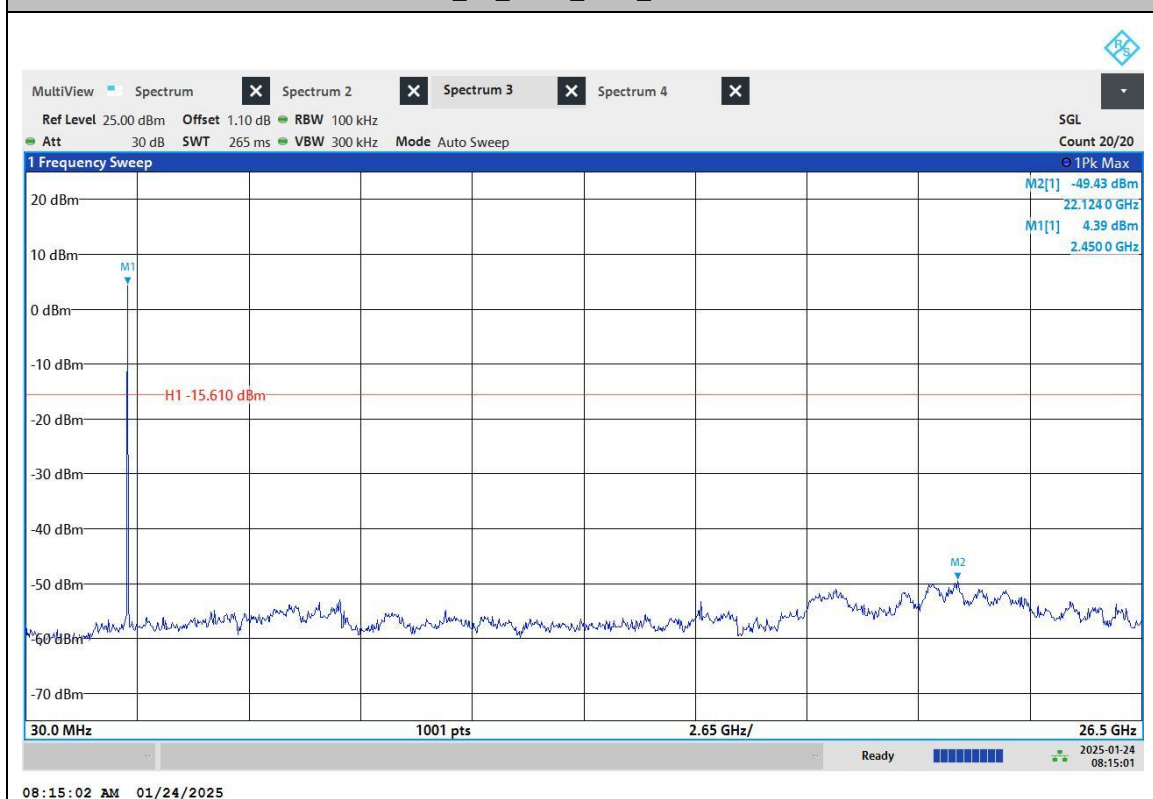
BLE\_2M\_ANT7\_2440\_30~26500



BLE\_2M\_ANT7\_2478\_30~26500

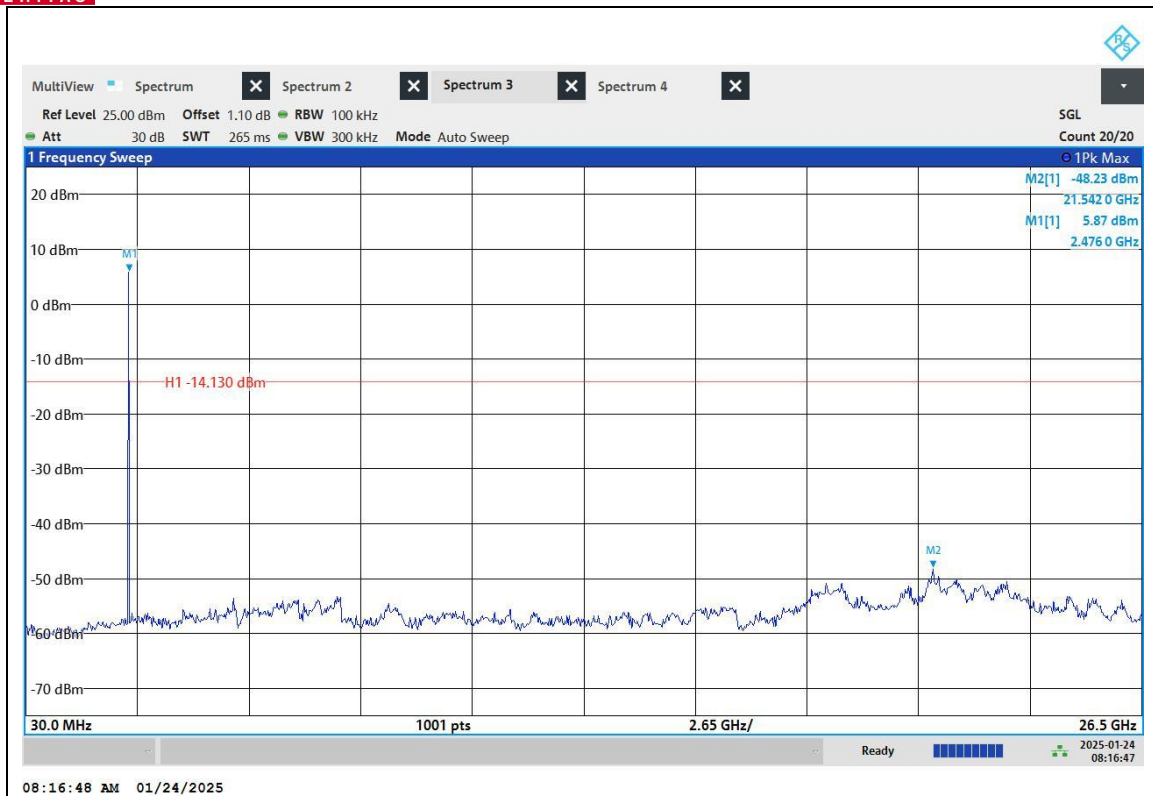


BLE\_S2\_ANT7\_2402\_30~26500

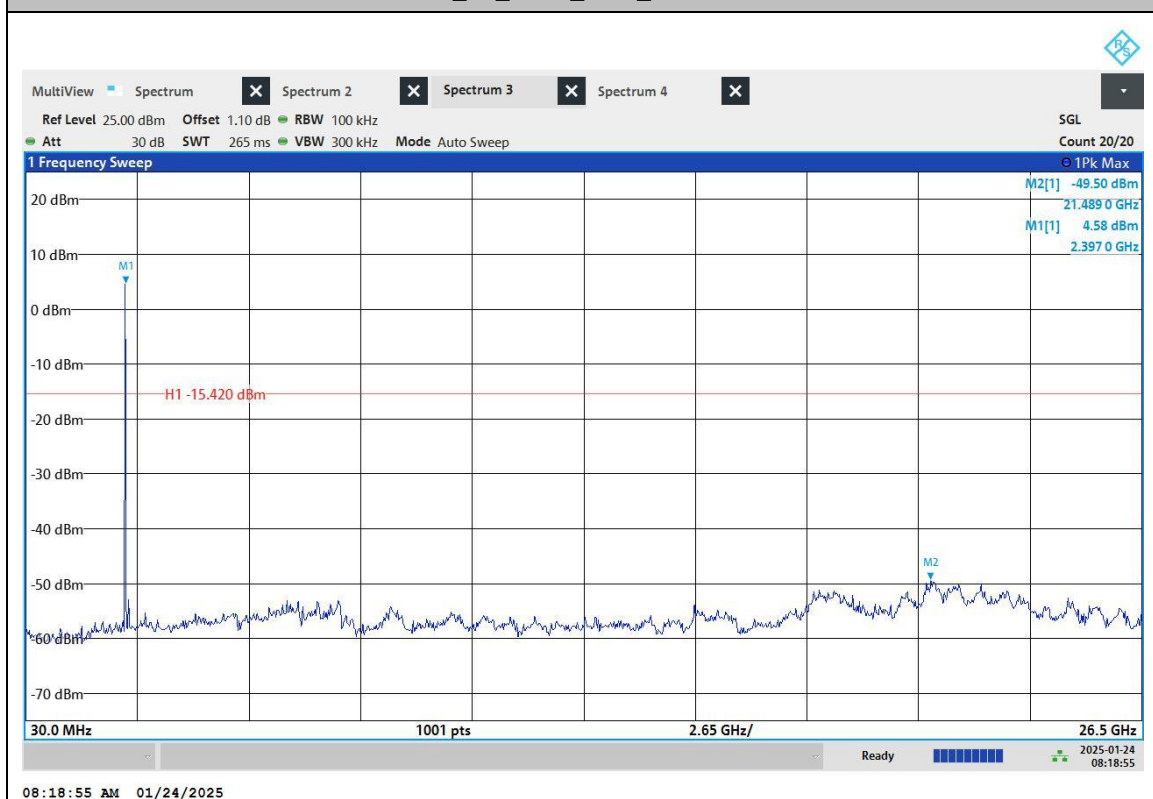


BLE\_S2\_ANT7\_2440\_30~26500



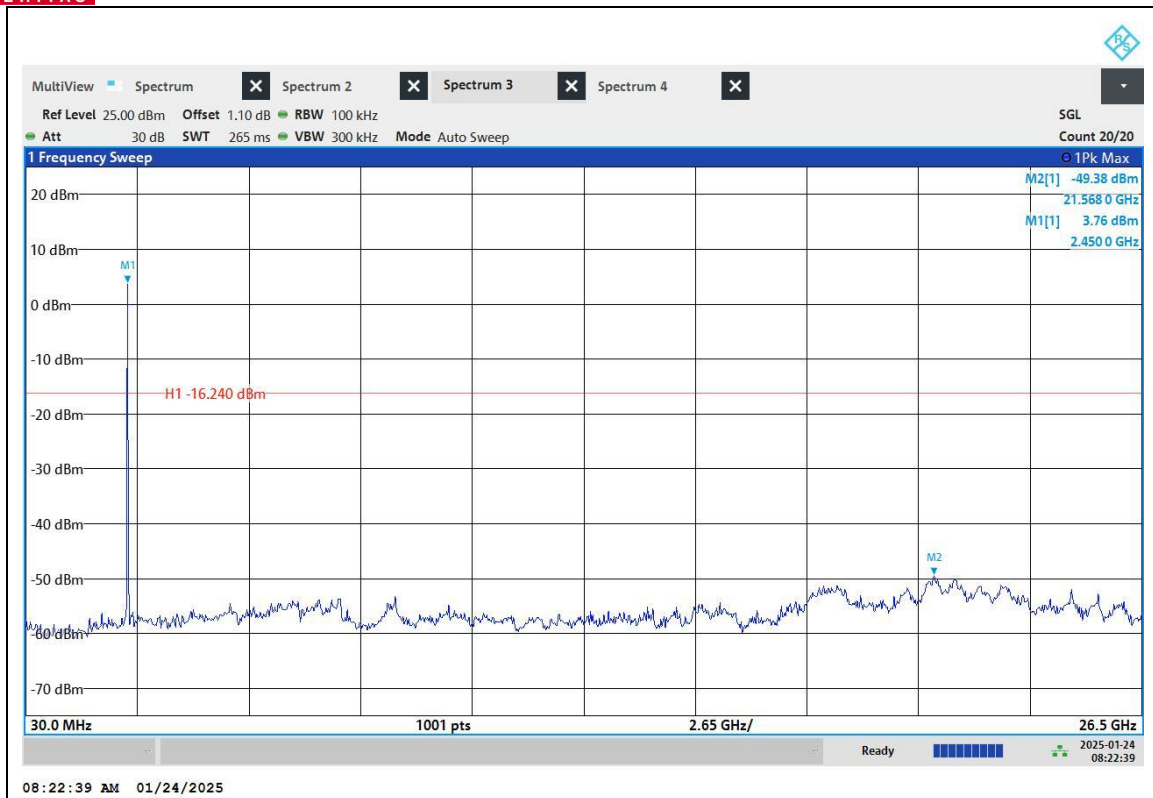


BLE\_S2\_ANT7\_2480\_30~26500

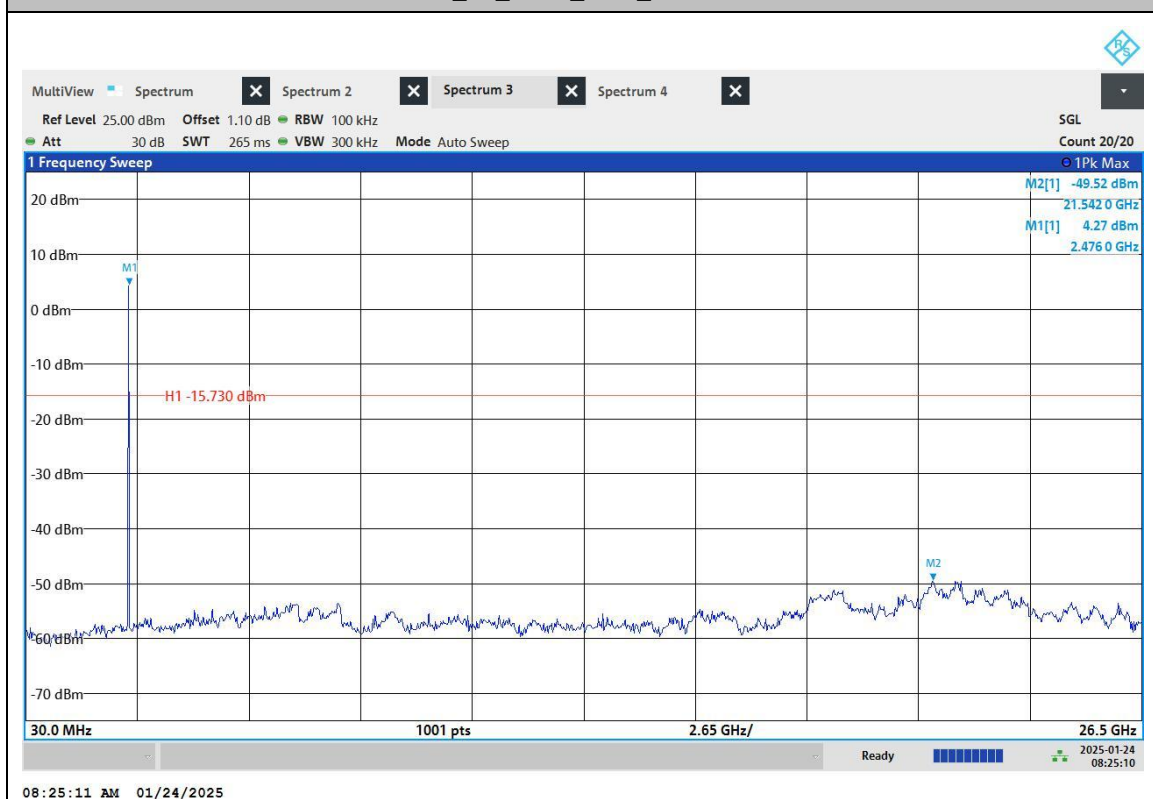


BLE\_S8\_ANT7\_2402\_30~26500





BLE\_S8\_ANT7\_2440\_30~26500



BLE\_S8\_ANT7\_2480\_30~26500

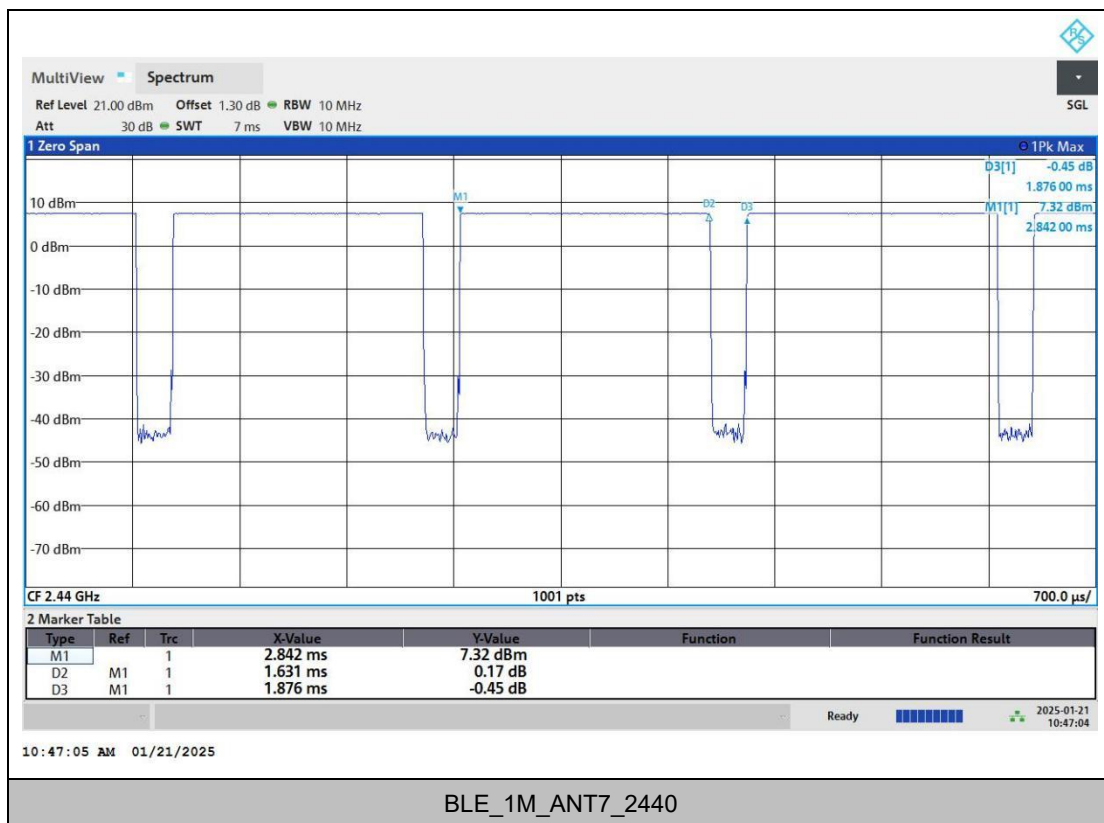


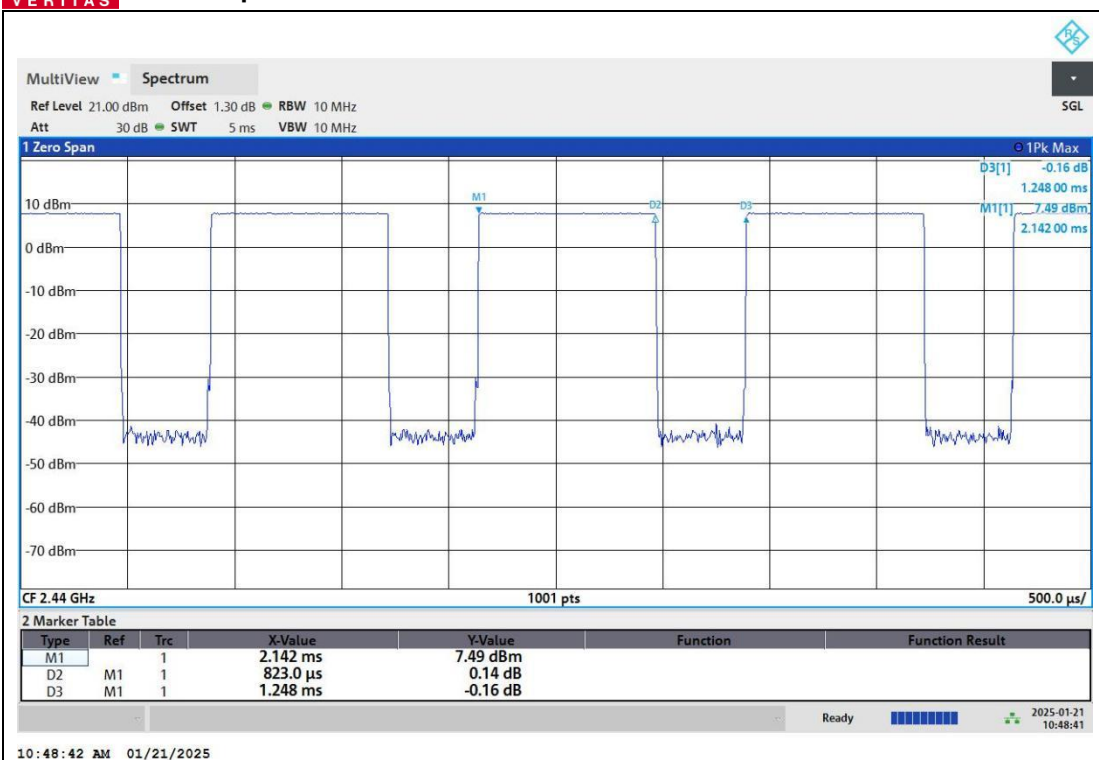
## DUTY CYCLE

## TEST RESULT

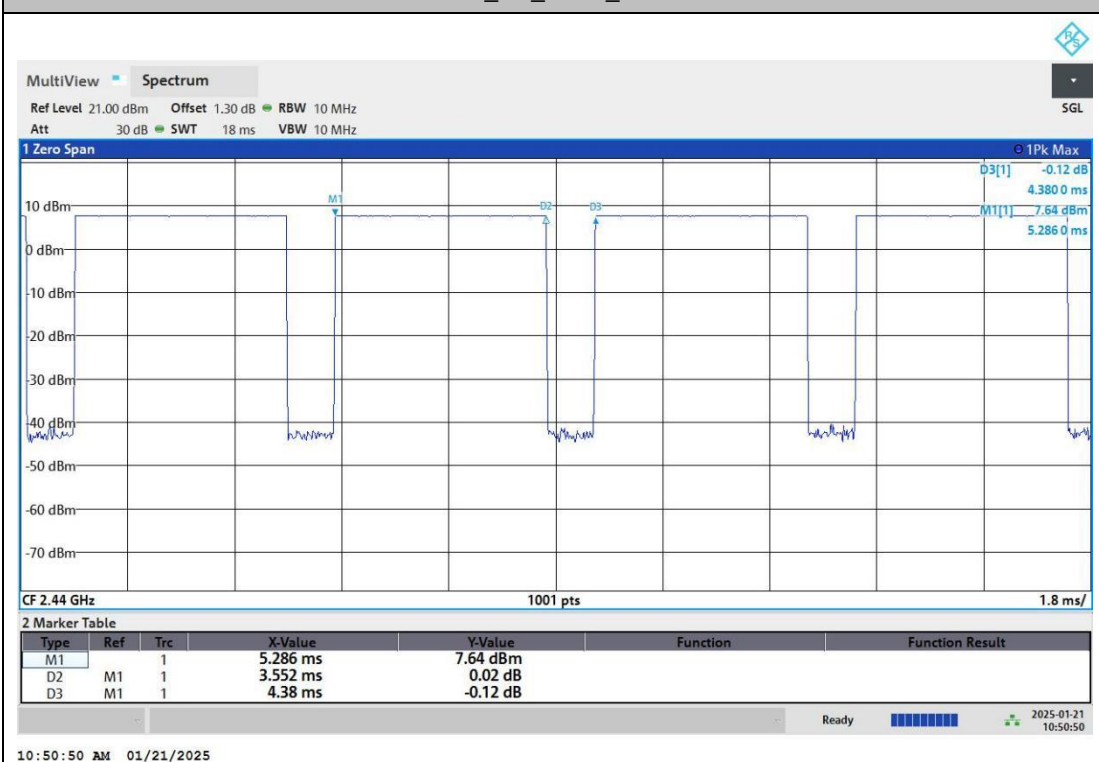
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	DC [%]	xFactor	Limit	Verdict
BLE_1M	ANT7	2440	1.631	1.876	86.94	0.61	---	PASS
BLE_2M	ANT7	2440	0.823	1.248	65.95	1.81	---	PASS
BLE-S2	ANT7	2440	3.552	4.38	81.10	0.91	---	PASS
BLE_S8	ANT7	2440	13.033	13.733	94.90	0.23	---	PASS

## TEST GRAPHS

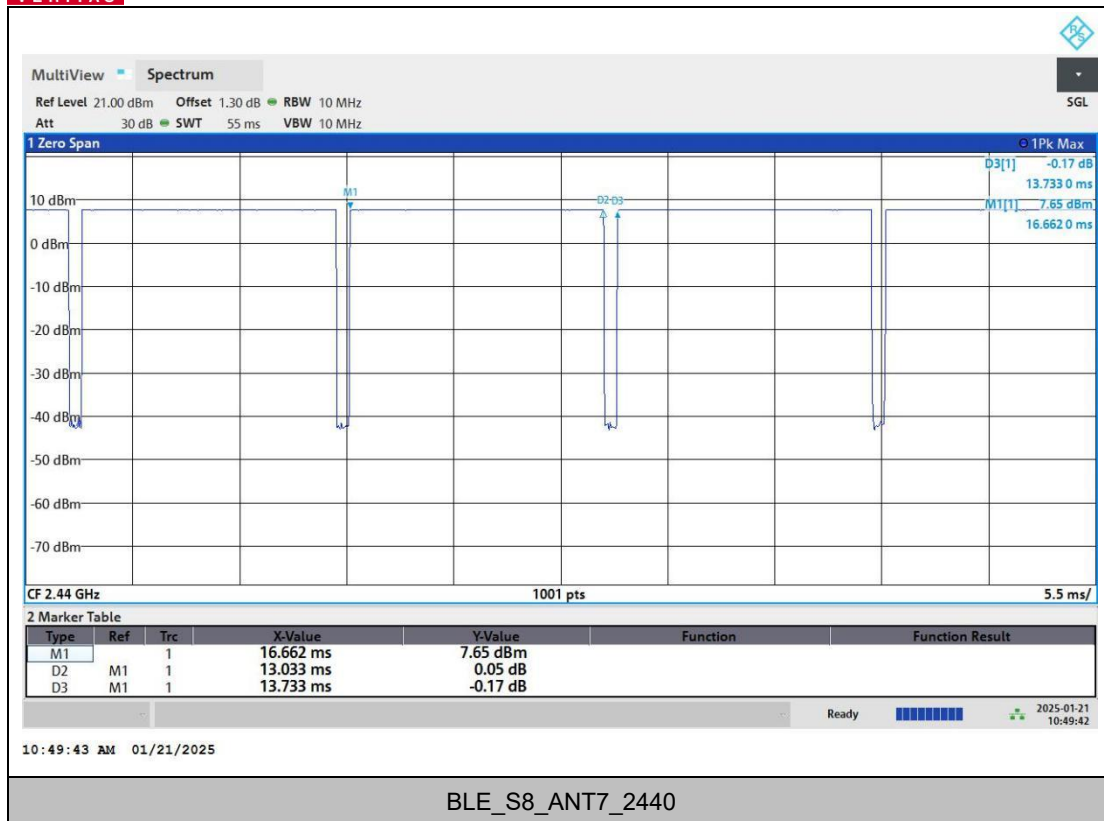




BLE\_2M\_ANT7\_2440



BLE\_S2\_ANT7\_2440



--END--