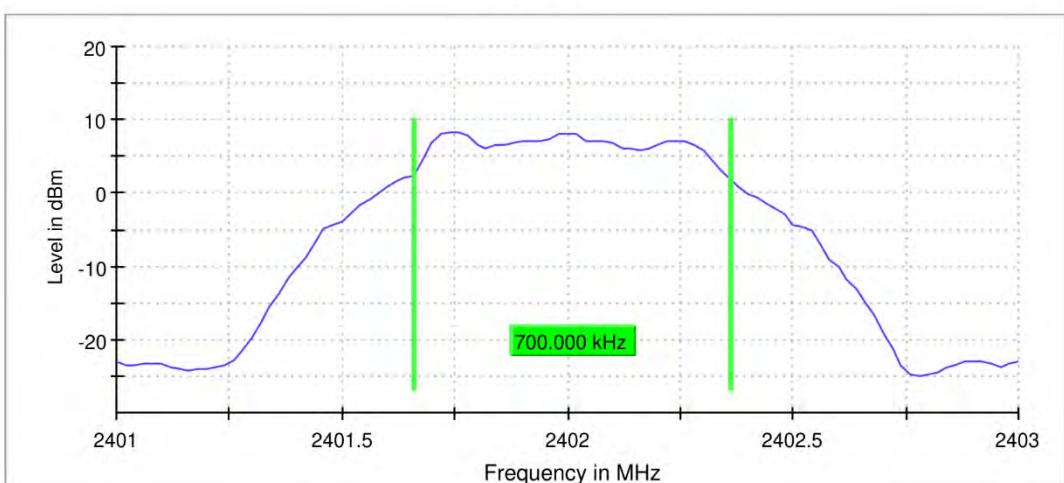




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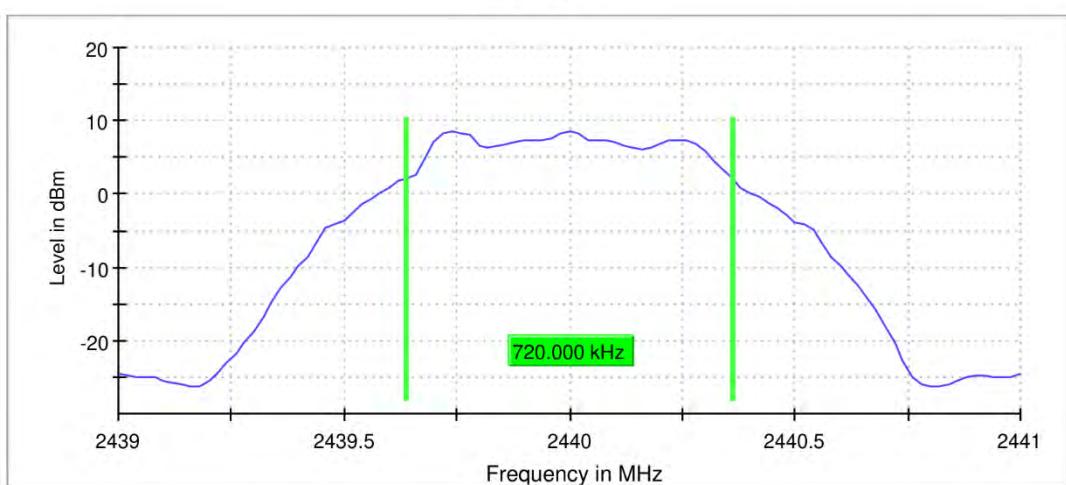
Test Report No.: PSU-NQN2412090110RF09

6 dB Bandwidth



BLE\_S2\_ANT7\_2402

6 dB Bandwidth



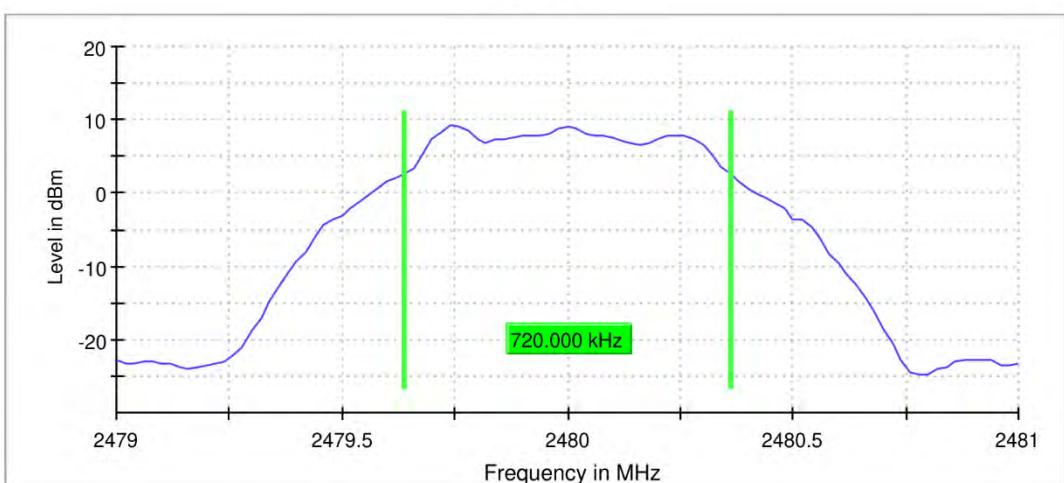
BLE\_S2\_ANT7\_2440



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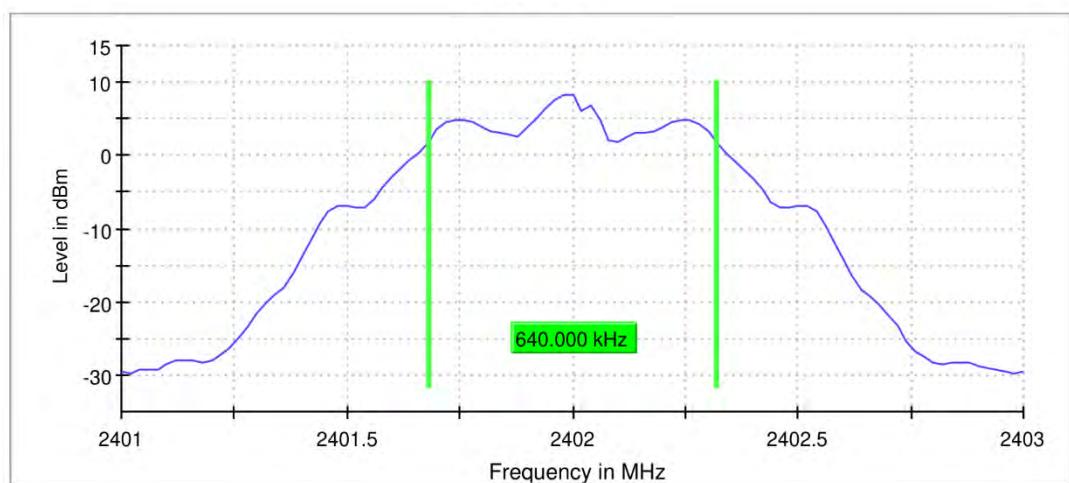
Test Report No.: PSU-NQN2412090110RF09

6 dB Bandwidth



BLE\_S2\_ANT7\_2480

6 dB Bandwidth



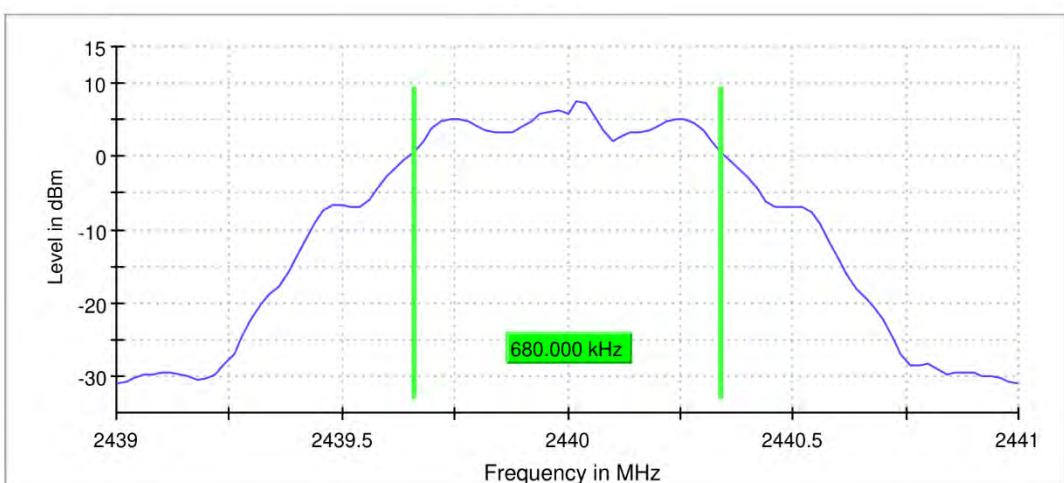
BLE\_S8\_ANT7\_2402



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VERITAS

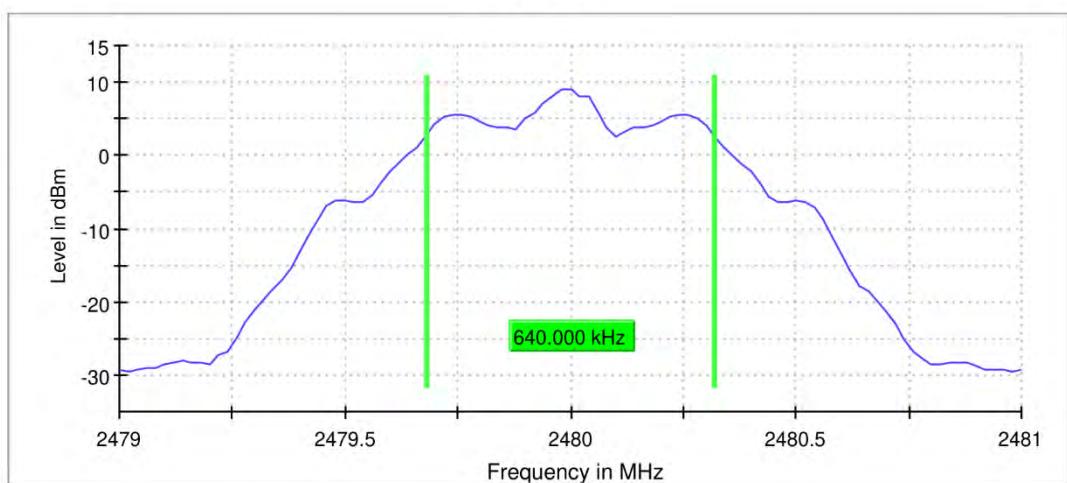
Test Report No.: PSU-NQN2412090110RF09

6 dB Bandwidth



BLE\_S8\_ANT7\_2440

6 dB Bandwidth



BLE\_S8\_ANT7\_2480

RBW 100.000 kHz

VBW 300.000 kHz



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Test Report No.: PSU-NQN2412090110RF09

## OCCUPIED CHANNEL BANDWIDTH

### TEST RESULT

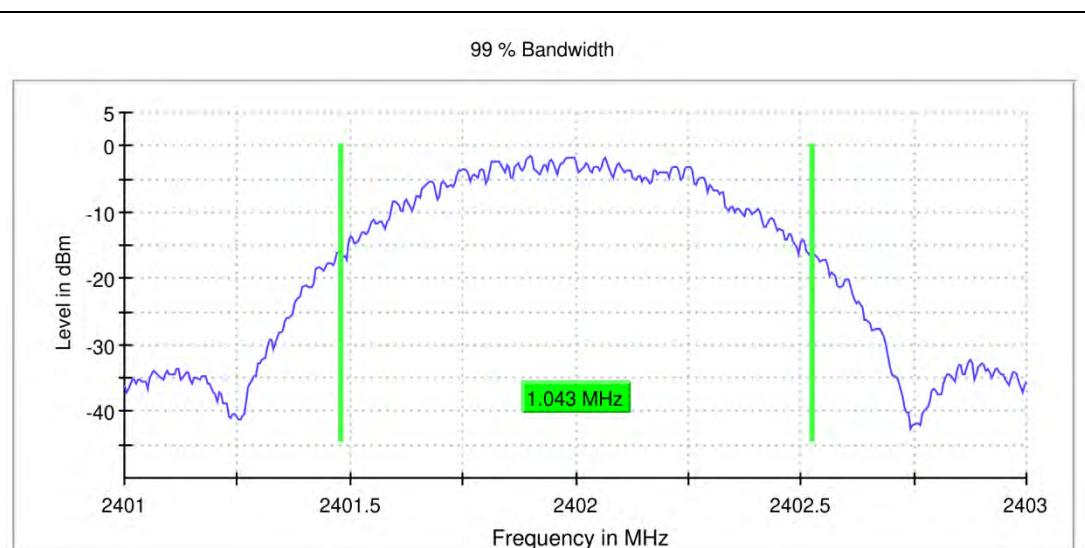
TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	ANT7	2402	1.043	2401.481	2402.524	2400-24835	PASS
		2440	1.033	2439.486	2440.519	2400-24835	PASS
		2480	1.043	2479.481	2480.524	2400-24835	PASS
BLE_2M	ANT7	2404	2.045	2402.982	2405.027	2400-24835	PASS
		2440	2.035	2438.992	2441.027	2400-24835	PASS
		2478	2.045	2476.982	2479.027	2400-24835	PASS
BLE-S2	ANT7	2402	1.018	2401.491	2402.509	2400-24835	PASS
		2440	1.018	2439.491	2440.509	2400-24835	PASS
		2480	1.018	2479.491	2480.509	2400-24835	PASS
BLE_S8	ANT7	2402	1.048	2401.476	2402.524	2400-24835	PASS
		2440	1.048	2439.476	2440.524	2400-24835	PASS
		2480	1.048	2479.476	2480.524	2400-24835	PASS



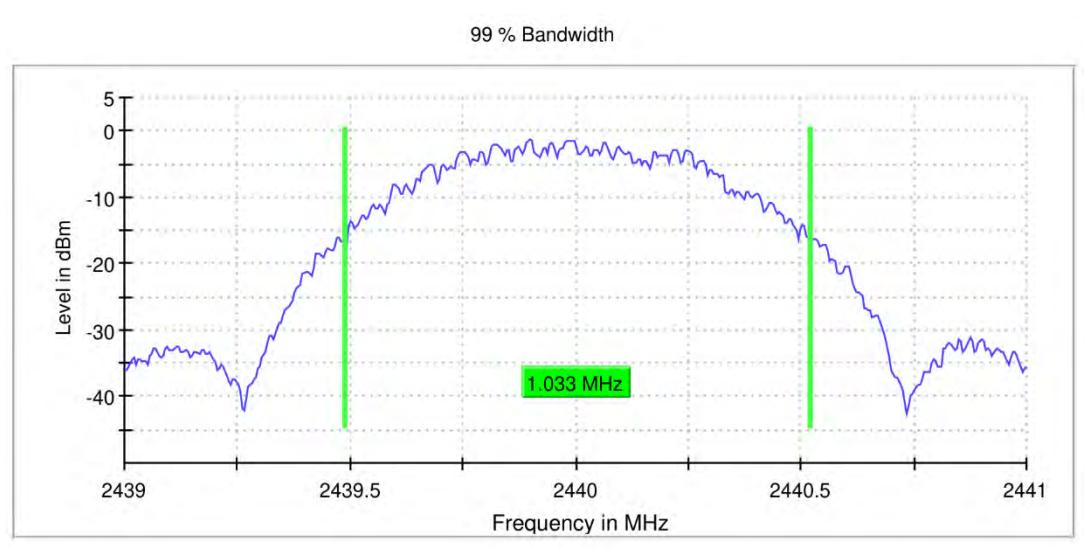
BUREAU  
VERITAS

Test Report No.: PSU-NQN2412090110RF09

## TEST GRAPHS



BLE\_1M\_ANT7\_2402



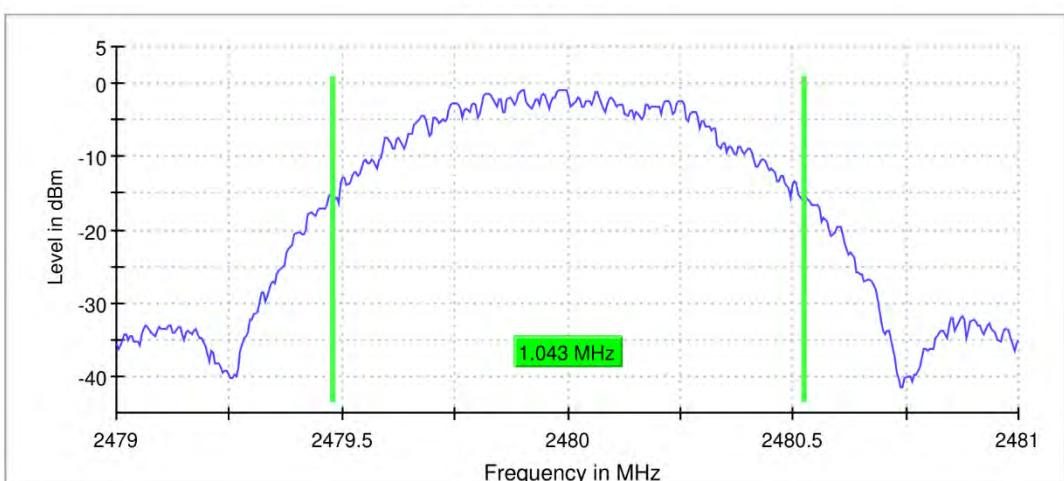
BLE\_1M\_ANT7\_2440



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VERITAS

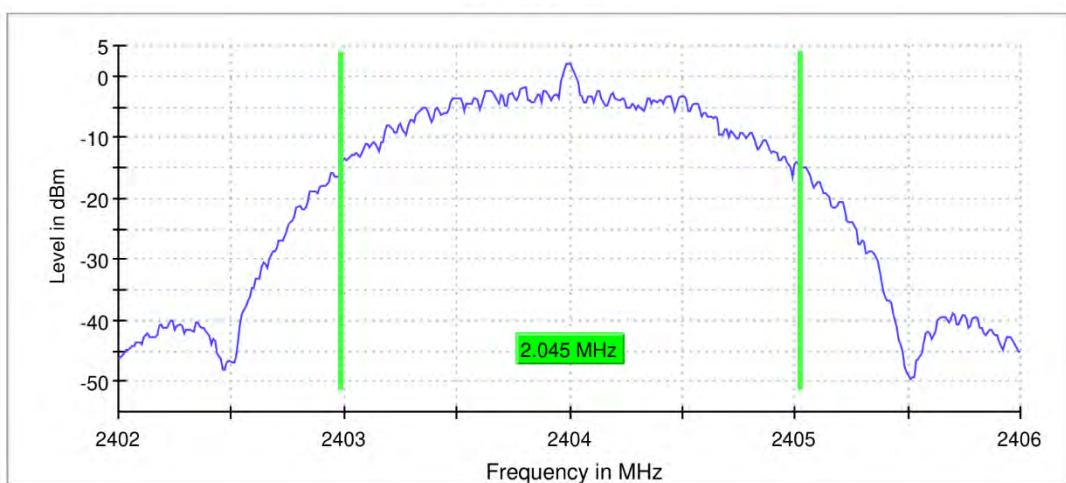
Test Report No.: PSU-NQN2412090110RF09

99 % Bandwidth



BLE\_1M\_ANT7\_2480

99 % Bandwidth



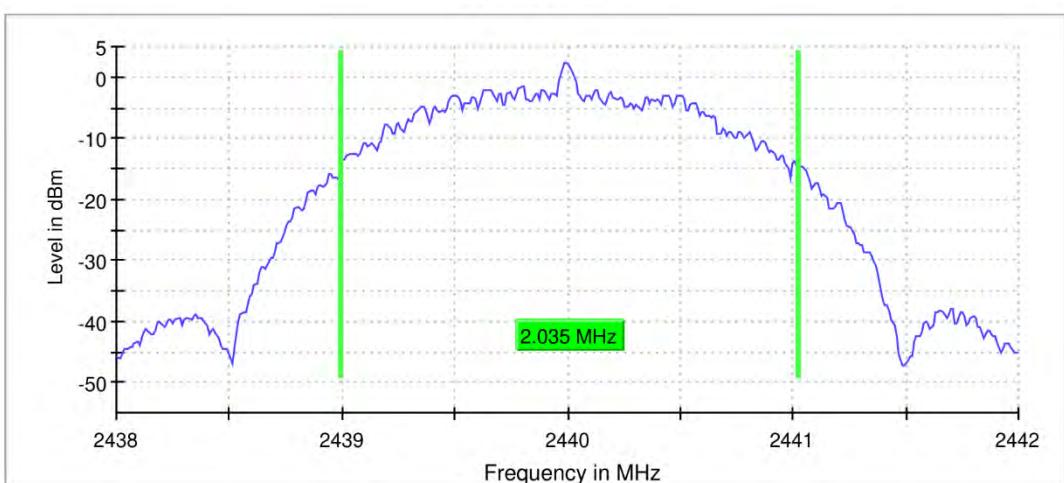
BLE\_2M\_ANT7\_2404



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VERITAS

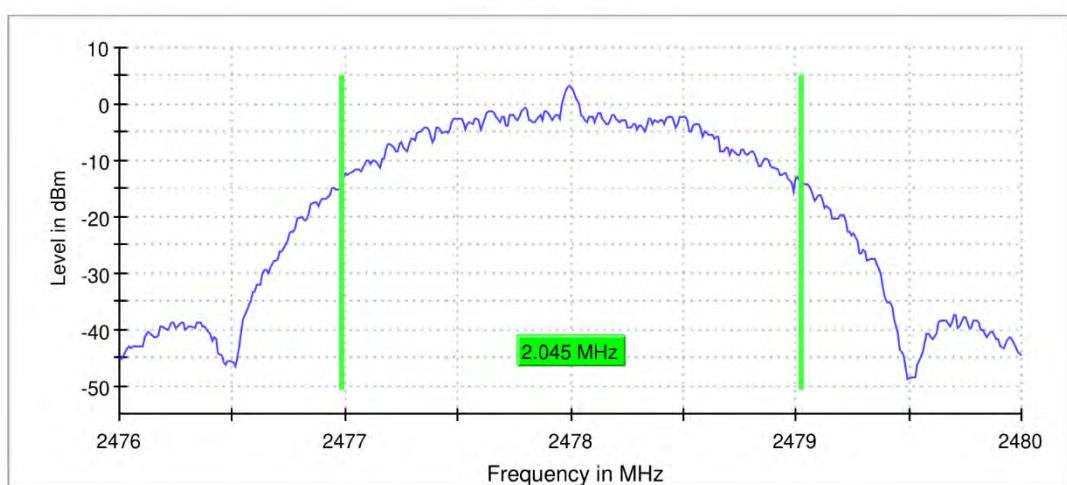
Test Report No.: PSU-NQN2412090110RF09

99 % Bandwidth



BLE\_2M\_ANT7\_2440

99 % Bandwidth



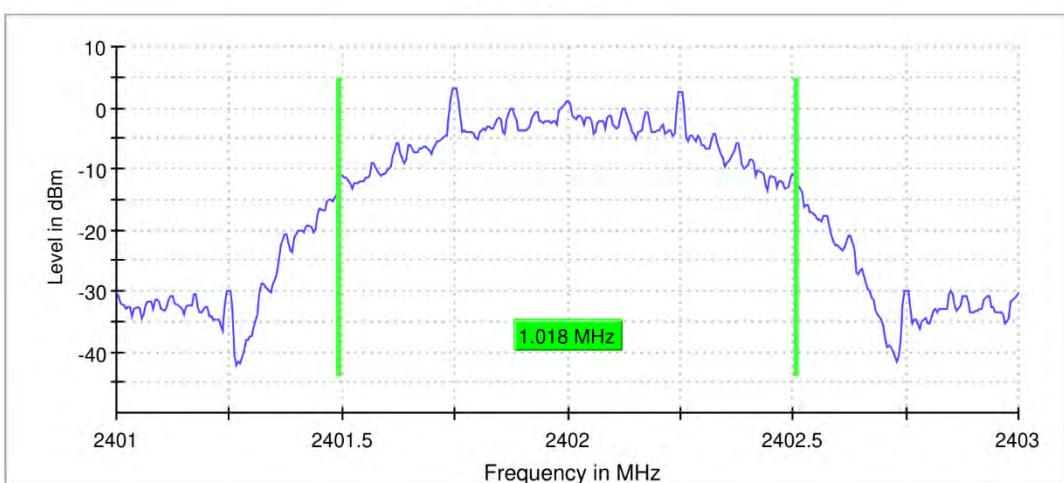
BLE\_2M\_ANT7\_2478



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VERITAS

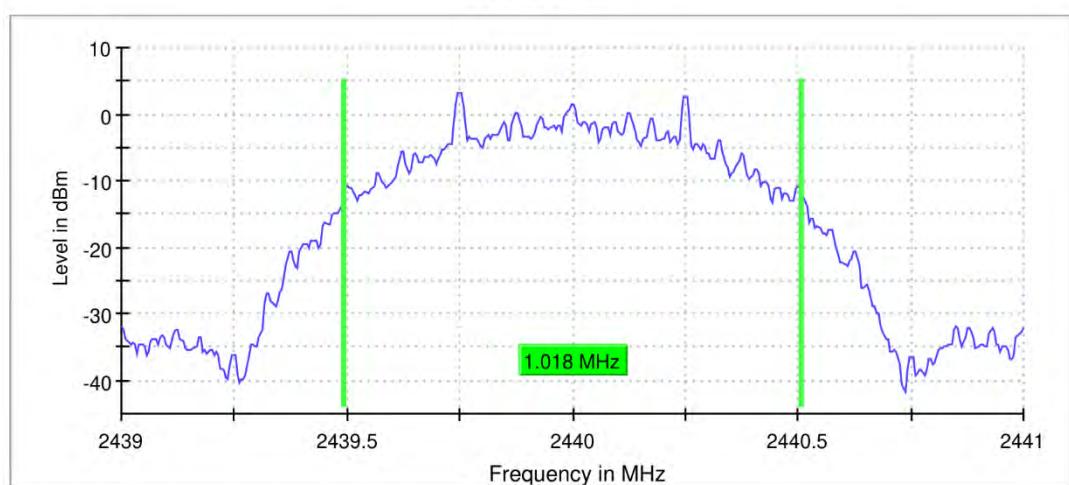
Test Report No.: PSU-NQN2412090110RF09

99 % Bandwidth



BLE\_S2\_ANT7\_2402

99 % Bandwidth



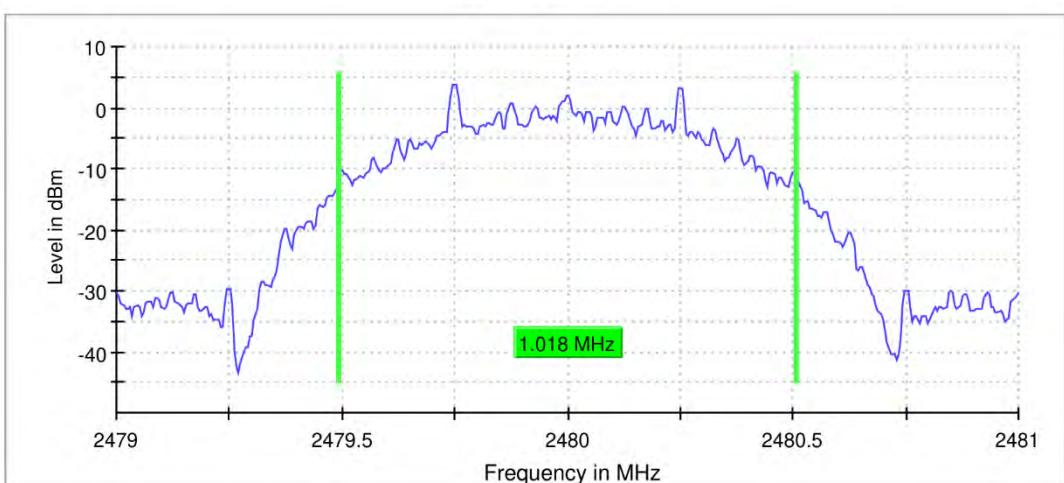
BLE\_S2\_ANT7\_2440



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VERITAS

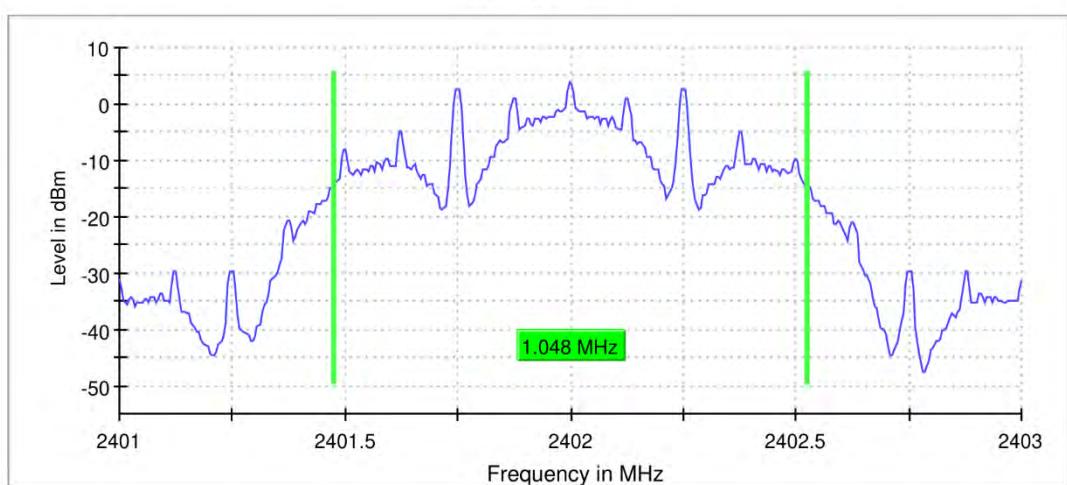
Test Report No.: PSU-NQN2412090110RF09

99 % Bandwidth



BLE\_S2\_ANT7\_2480

99 % Bandwidth



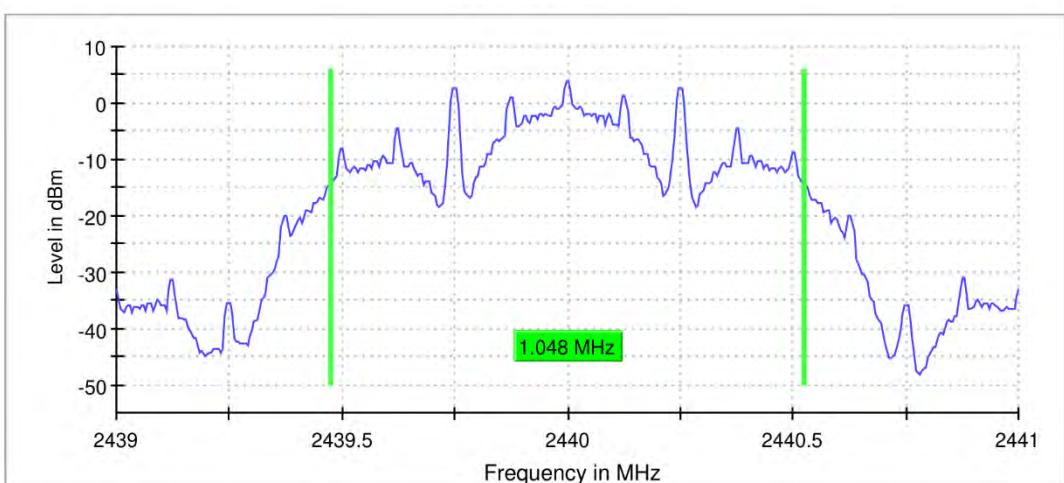
BLE\_S8\_ANT7\_2402



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VERITAS

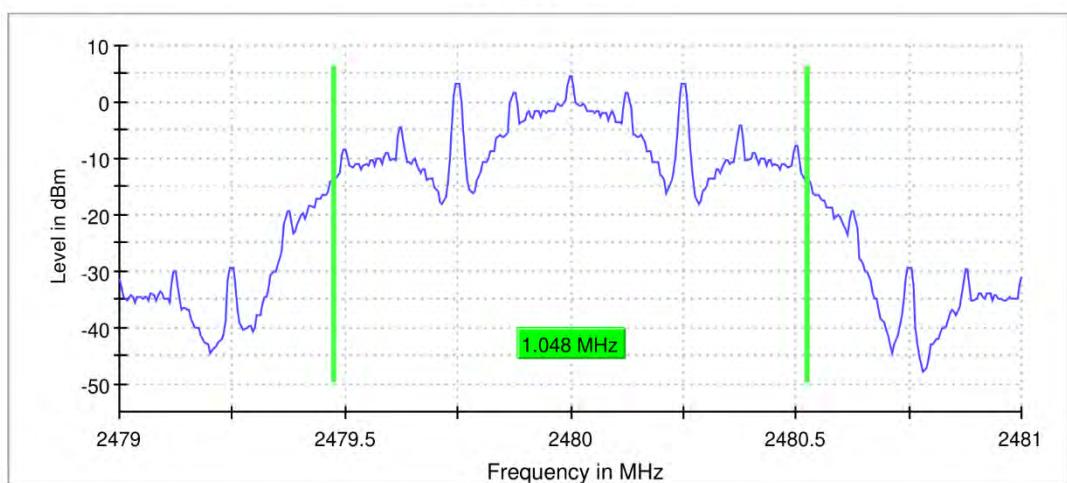
Test Report No.: PSU-NQN2412090110RF09

99 % Bandwidth



BLE\_S8\_ANT7\_2440

99 % Bandwidth



BLE\_S8\_ANT7\_2480

RBW 30.000 kHz

VBW 100.000 kHz



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Test Report No.: PSU-NQN2412090110RF09

## 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	8.51	8.94	7.83	≤30	PASS	Defult
		2440	8.43	9.08	8.09	≤30	PASS	Defult
		2480	8.98	9.67	9.27	≤30	PASS	Defult
BLE_2M	ANT7	2404	8.42	9.02	7.98	≤30	PASS	Defult
		2440	8.45	9.25	8.41	≤30	PASS	Defult
		2478	9.16	9.99	9.98	≤30	PASS	Defult
BLE_125k	ANT7	2402	8.49	8.88	7.73	≤30	PASS	Defult
		2440	8.46	9.15	8.22	≤30	PASS	Defult
		2480	8.99	9.65	9.23	≤30	PASS	Defult
BLE_500K	ANT7	2402	8.52	8.90	7.76	≤30	PASS	Defult
		2440	8.50	9.17	8.26	≤30	PASS	Defult
		2480	9.02	9.69	9.31	≤30	PASS	Defult



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Test Report No.: PSU-NQN2412090110RF09

## MAXIMUM POWER SPECTRAL DENSITY

### TEST RESULT

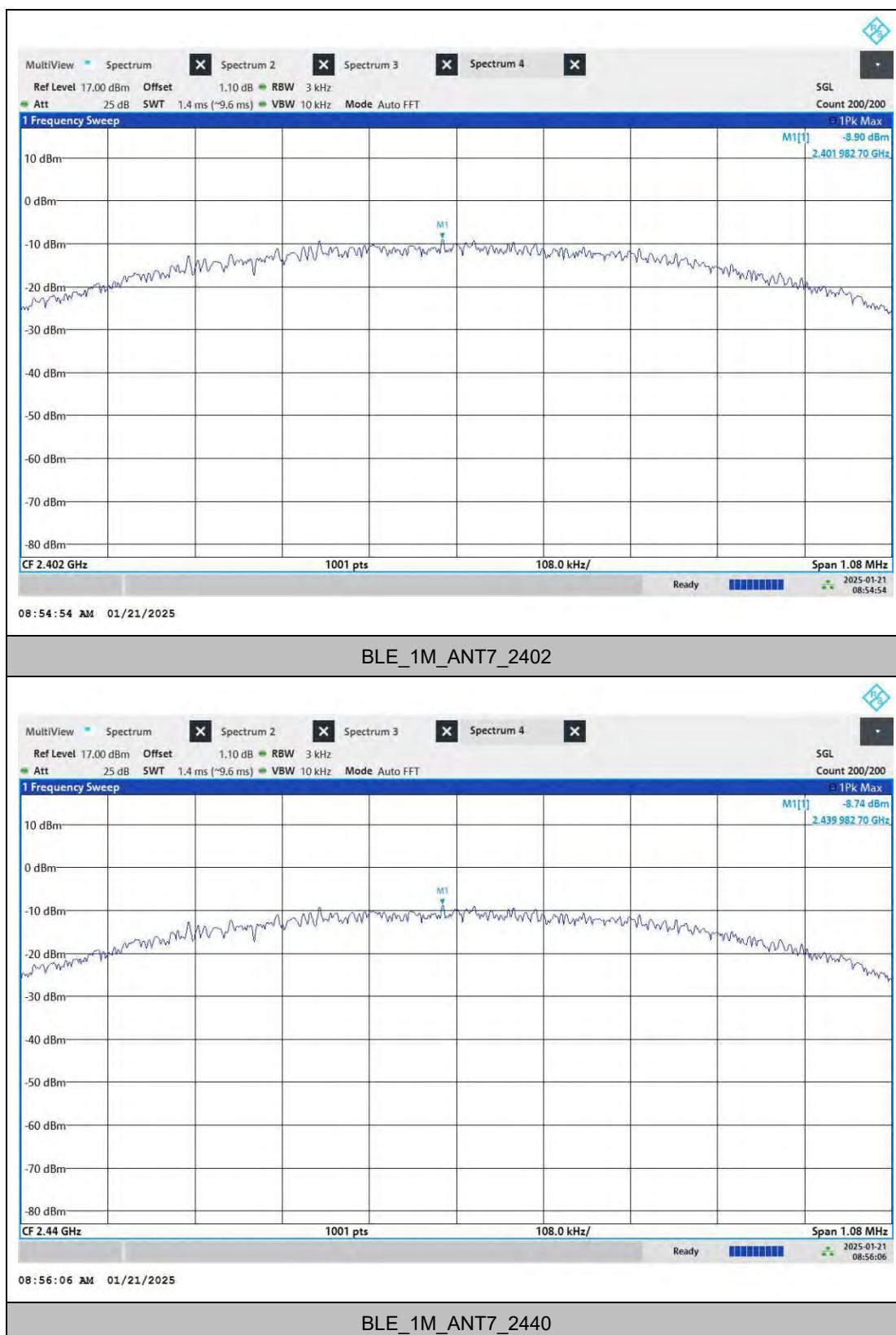
TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	ANT7	2402	-8.90	≤8	PASS
		2440	-8.74	≤8	PASS
		2480	-7.94	≤8	PASS
BLE_2M	ANT7	2404	-11.44	≤8	PASS
		2440	-11.17	≤8	PASS
		2478	-10.33	≤8	PASS
BLE_S2	ANT7	2402	-2.59	≤8	PASS
		2440	0.21	≤8	PASS
		2480	-1.83	≤8	PASS
BLE_S8	ANT7	2402	-1.43	≤8	PASS
		2440	1.53	≤8	PASS
		2480	2.34	≤8	PASS



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Test Report No.: PSU-NQN2412090110RF09

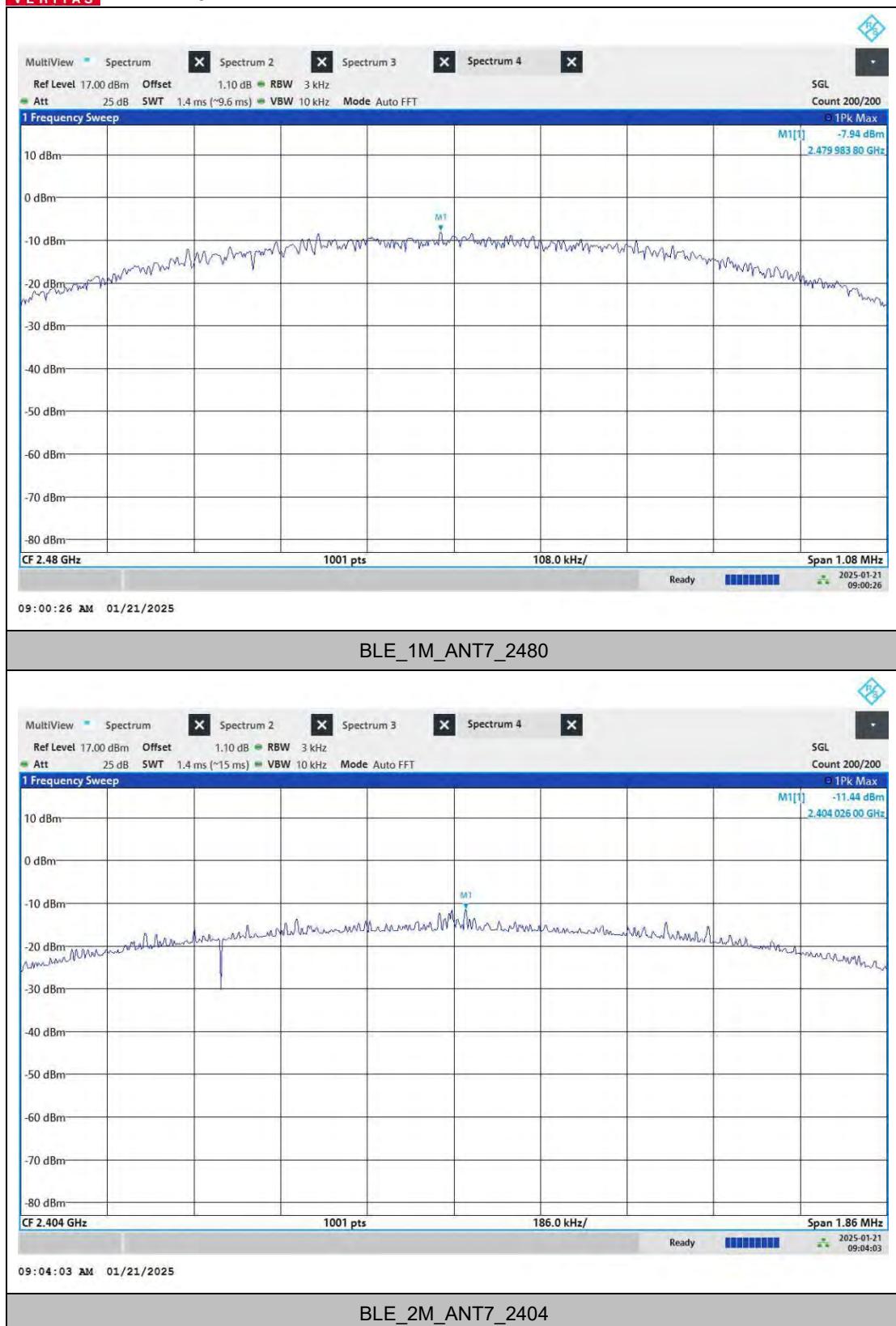
## TEST GRAPHS





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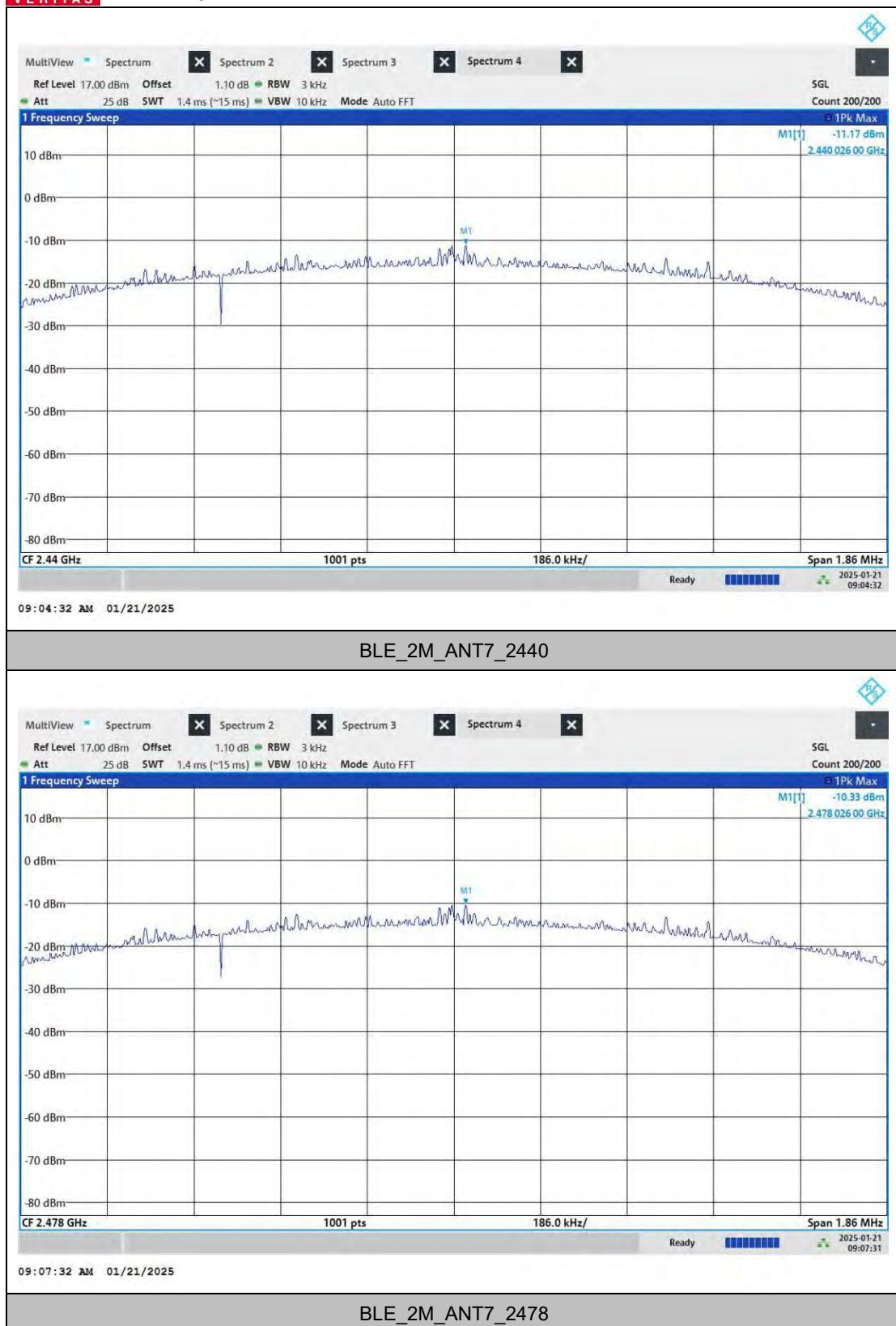
Test Report No.: PSU-NQN2412090110RF09





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VERITAS

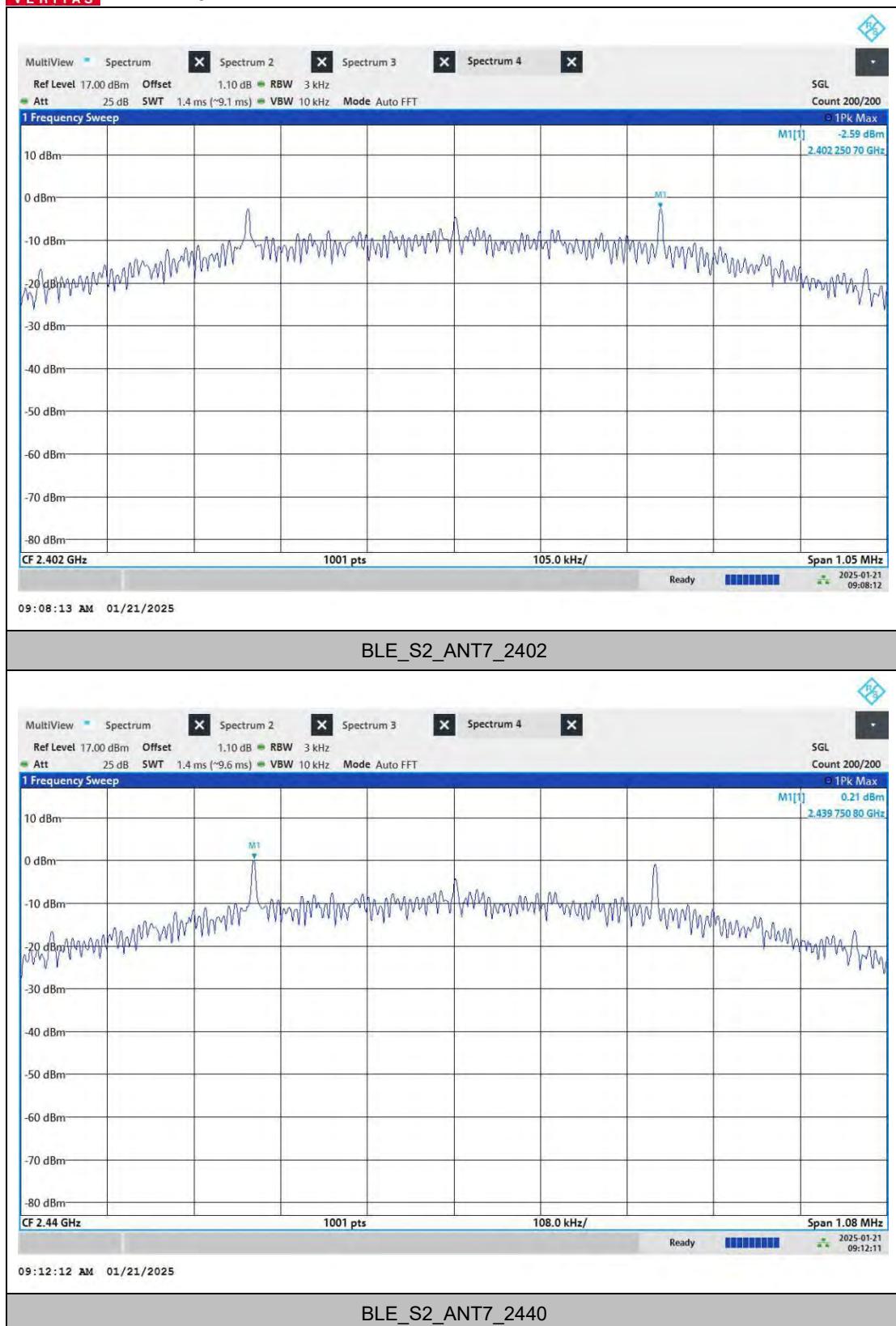
Test Report No.: PSU-NQN2412090110RF09





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VERITAS

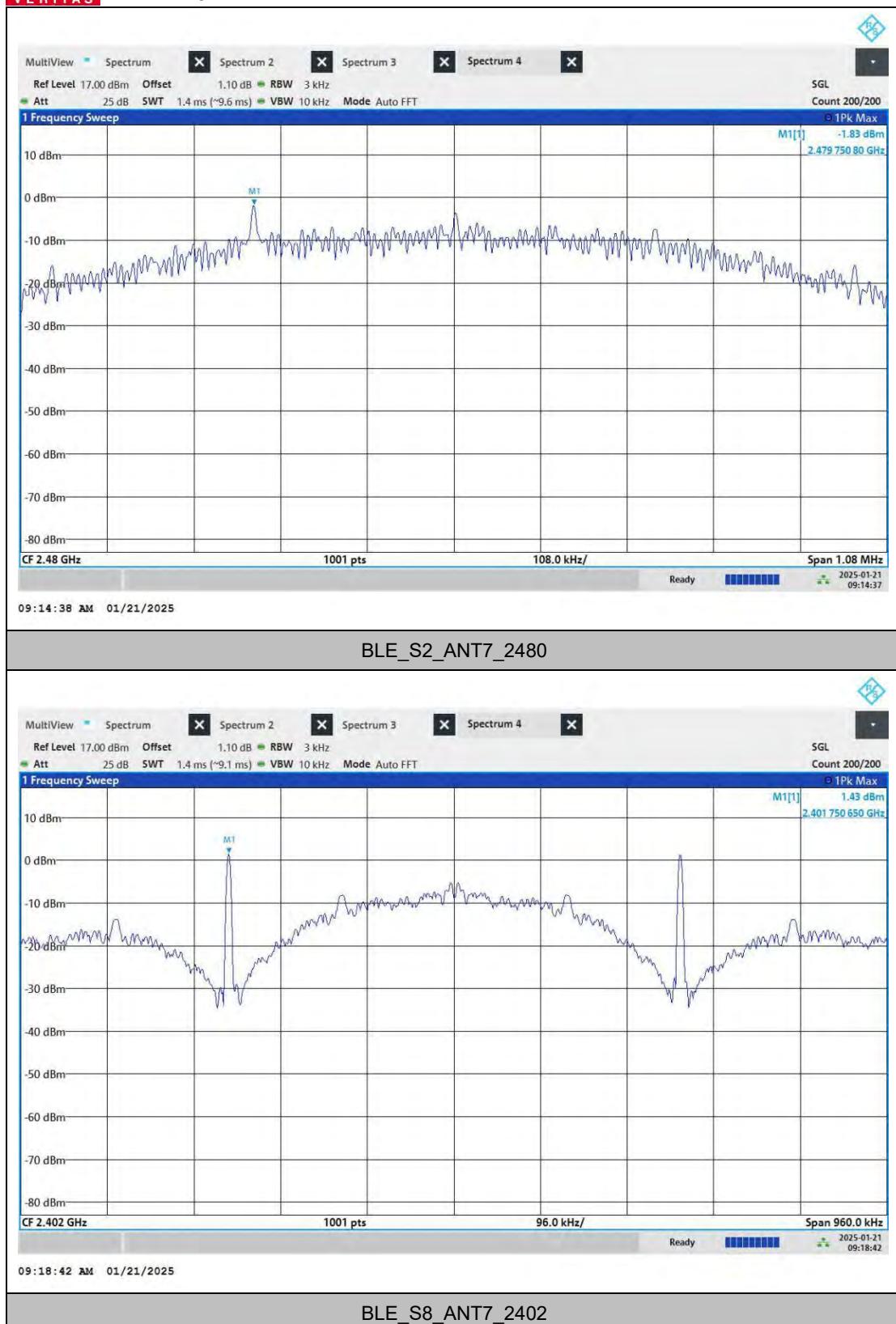
Test Report No.: PSU-NQN2412090110RF09





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VERITAS

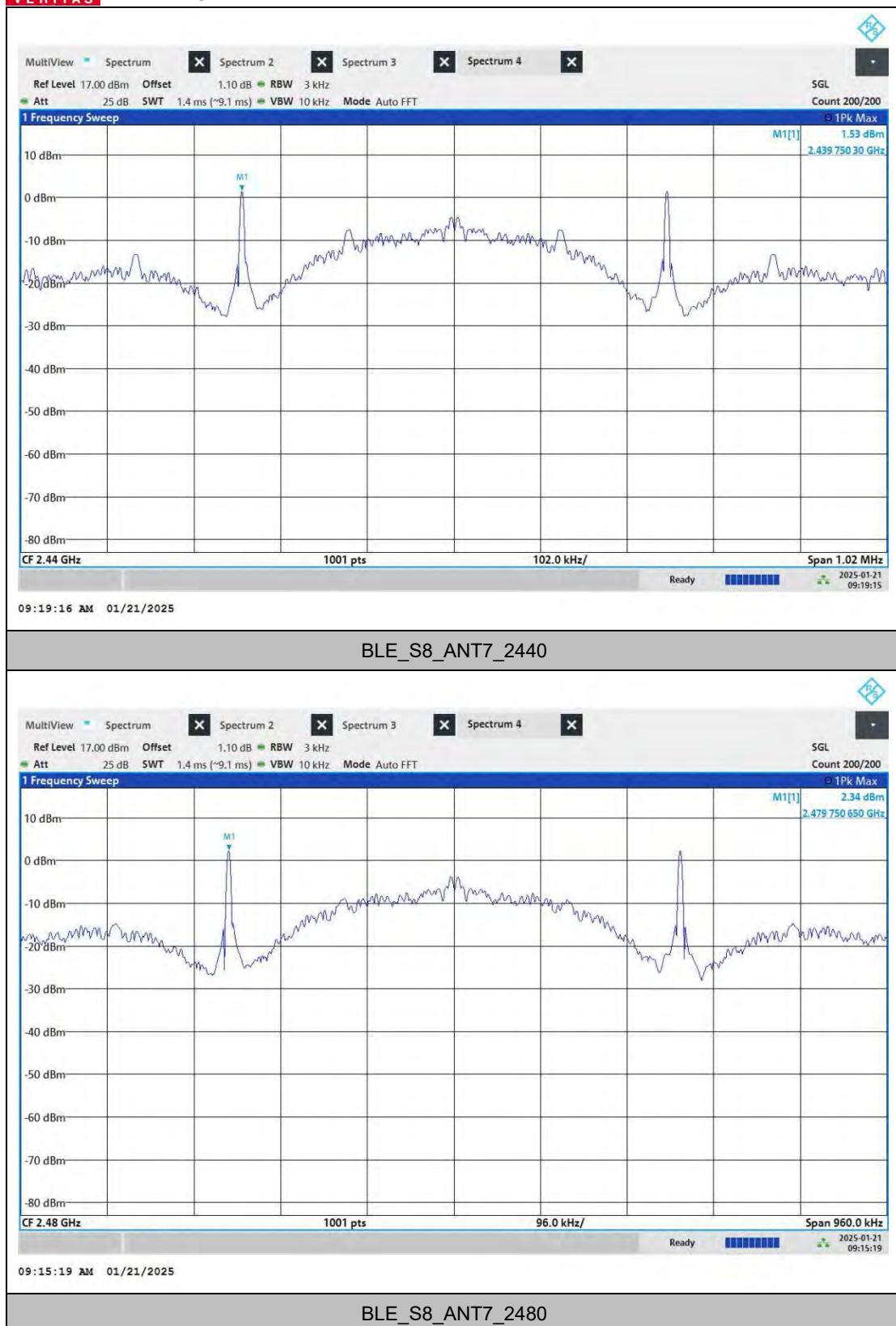
Test Report No.: PSU-NQN2412090110RF09





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Test Report No.: PSU-NQN2412090110RF09





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Test Report No.: PSU-NQN2412090110RF09

## BAND EDGE MEASUREMENTS

### TEST RESULT

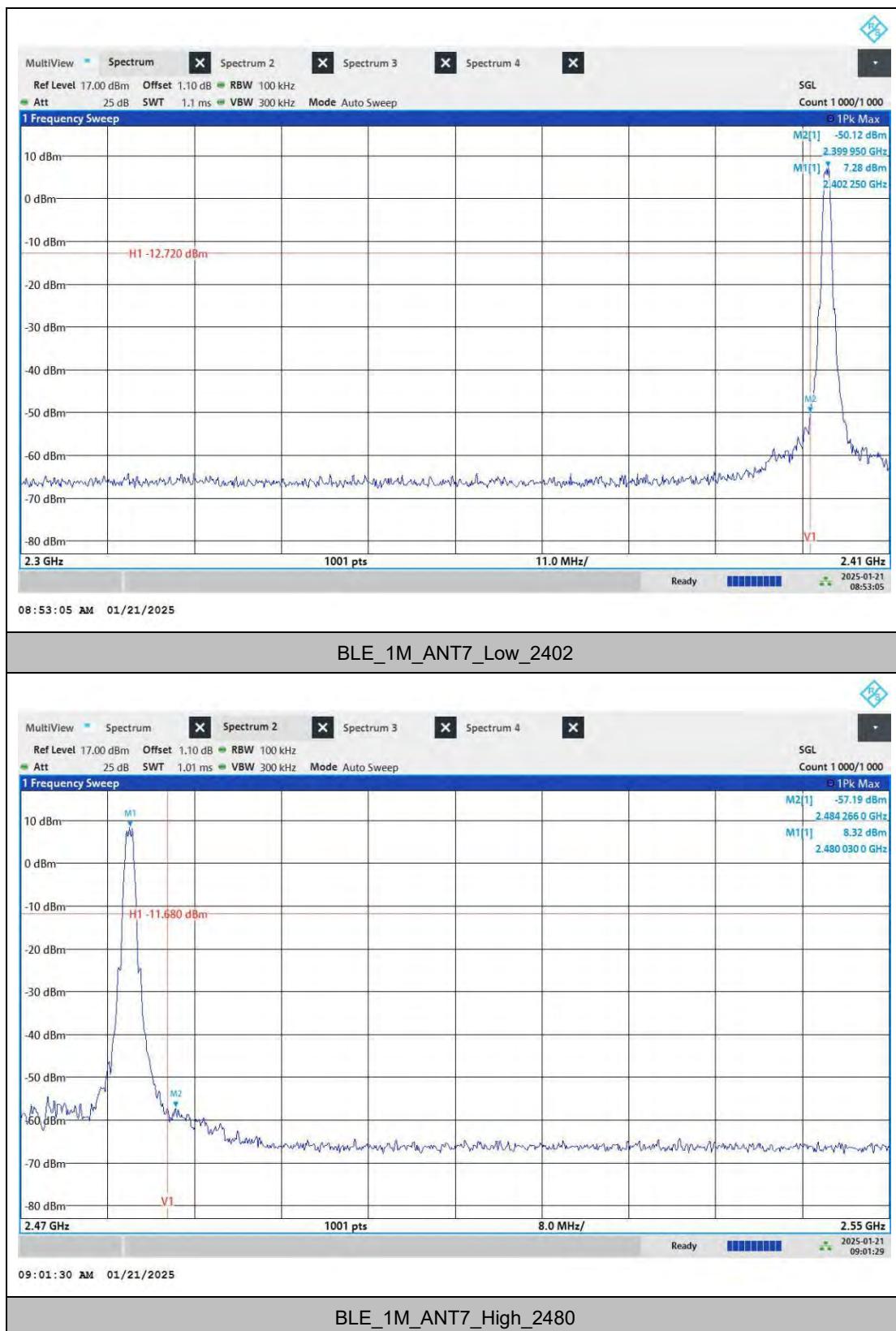
TestMode	Antenna	ChName	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT7	Low	2402	See test graph	See test graph	PASS
		High	2480	See test graph	See test graph	PASS
BLE_2M	ANT7	Low	2404	See test graph	See test graph	PASS
		High	2478	See test graph	See test graph	PASS
BLE_S2	ANT7	Low	2402	See test graph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



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Test Report No.: PSU-NQN2412090110RF09

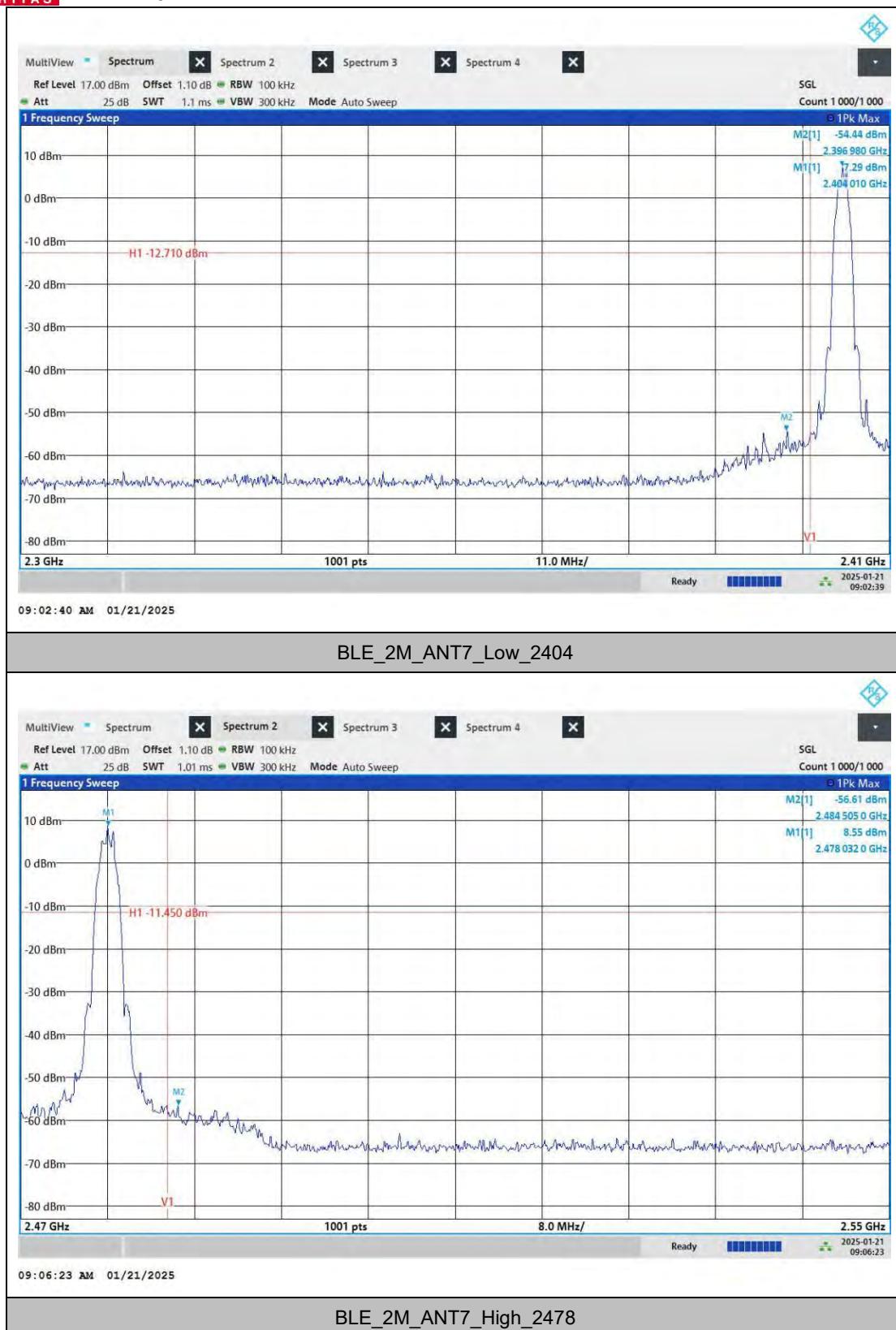
## TEST GRAPHS





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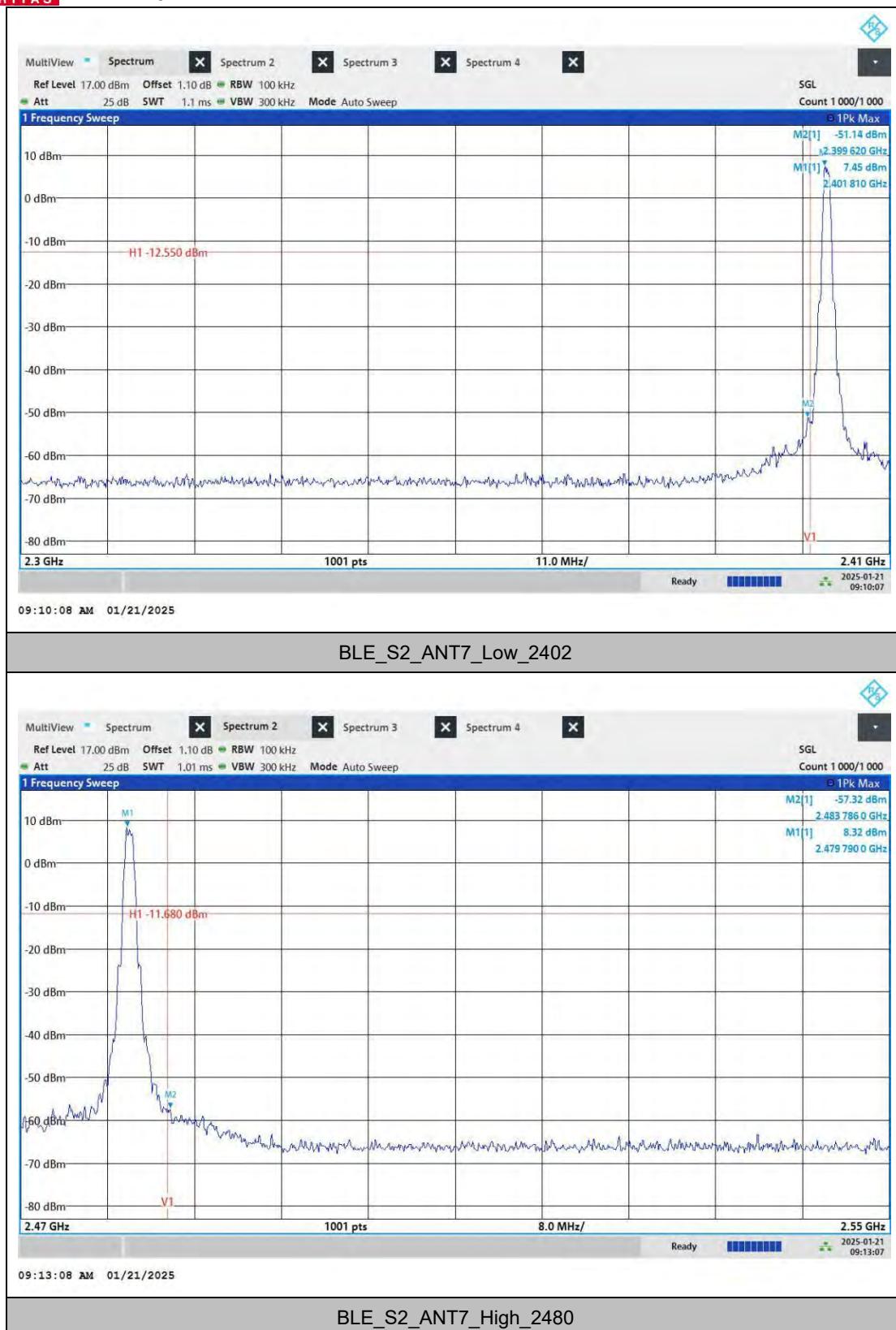
Test Report No.: PSU-NQN2412090110RF09





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VERITAS

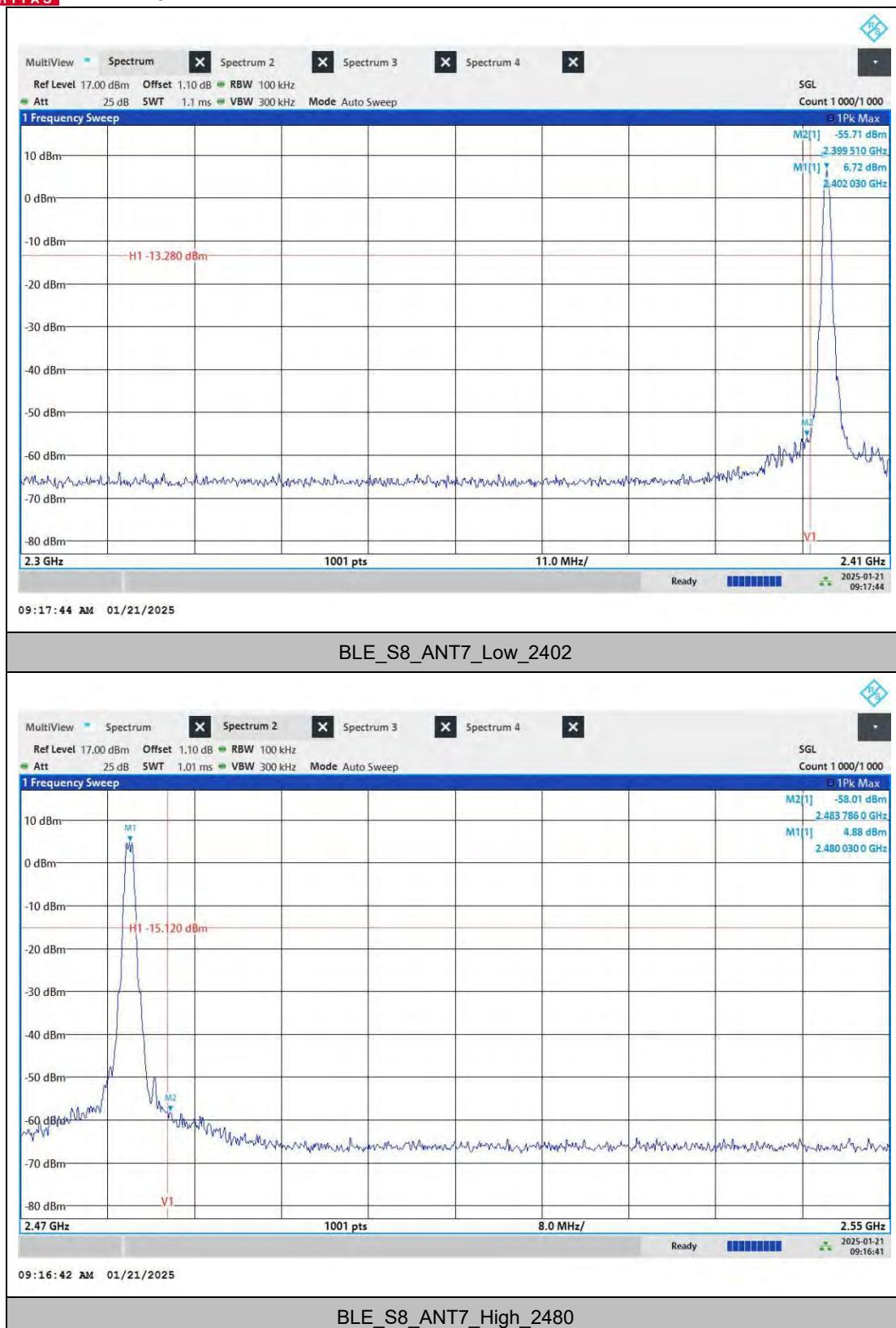
Test Report No.: PSU-NQN2412090110RF09





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Test Report No.: PSU-NQN2412090110RF09





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VERITAS

Test Report No.: PSU-NQN2412090110RF09

## CONDUCTED SPURIOUS EMISSION

### TEST RESULT

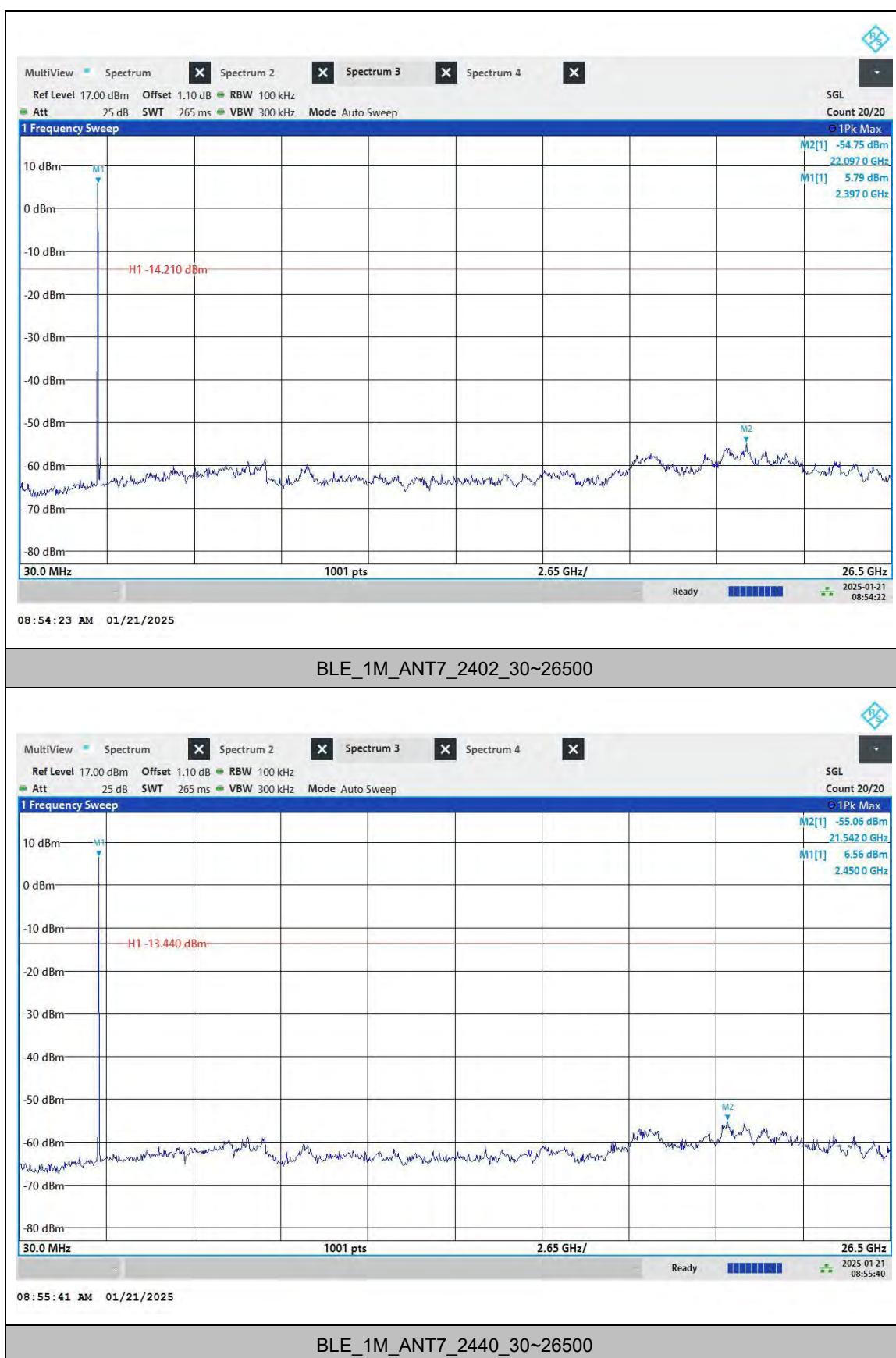
TestMode	Antenna	Channel	FreqRange [MHz]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	ANT7	2402	30~26500	See test graph	See test graph	PASS
		2440	30~26500	See test graph	See test graph	PASS
		2480	30~26500	See test graph	See test graph	PASS
BLE_2M	ANT7	2404	30~26500	See test graph	See test graph	PASS
		2440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



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VERITAS

Test Report No.: PSU-NQN2412090110RF09

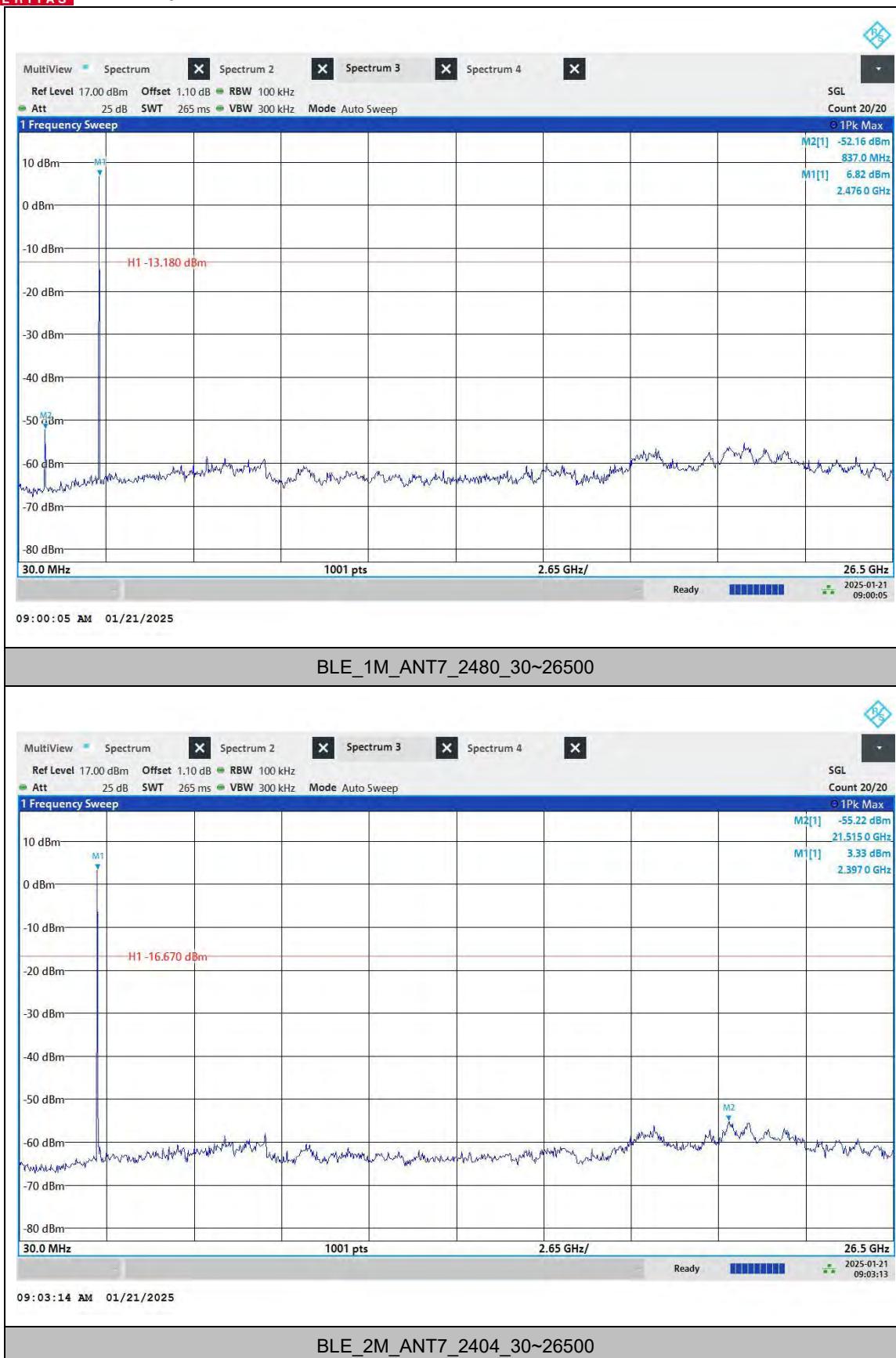
## TEST GRAPHS





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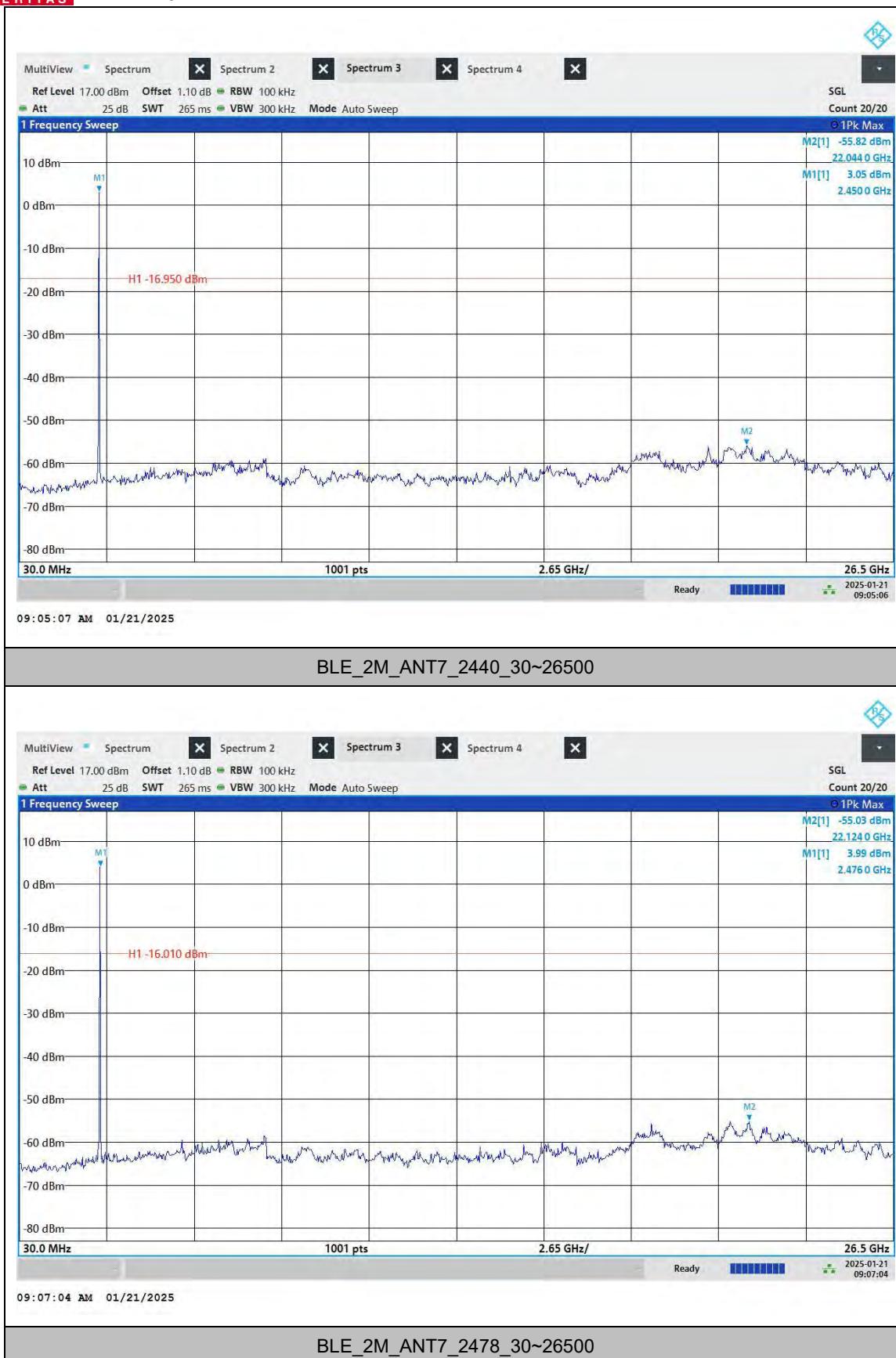
Test Report No.: PSU-NQN2412090110RF09





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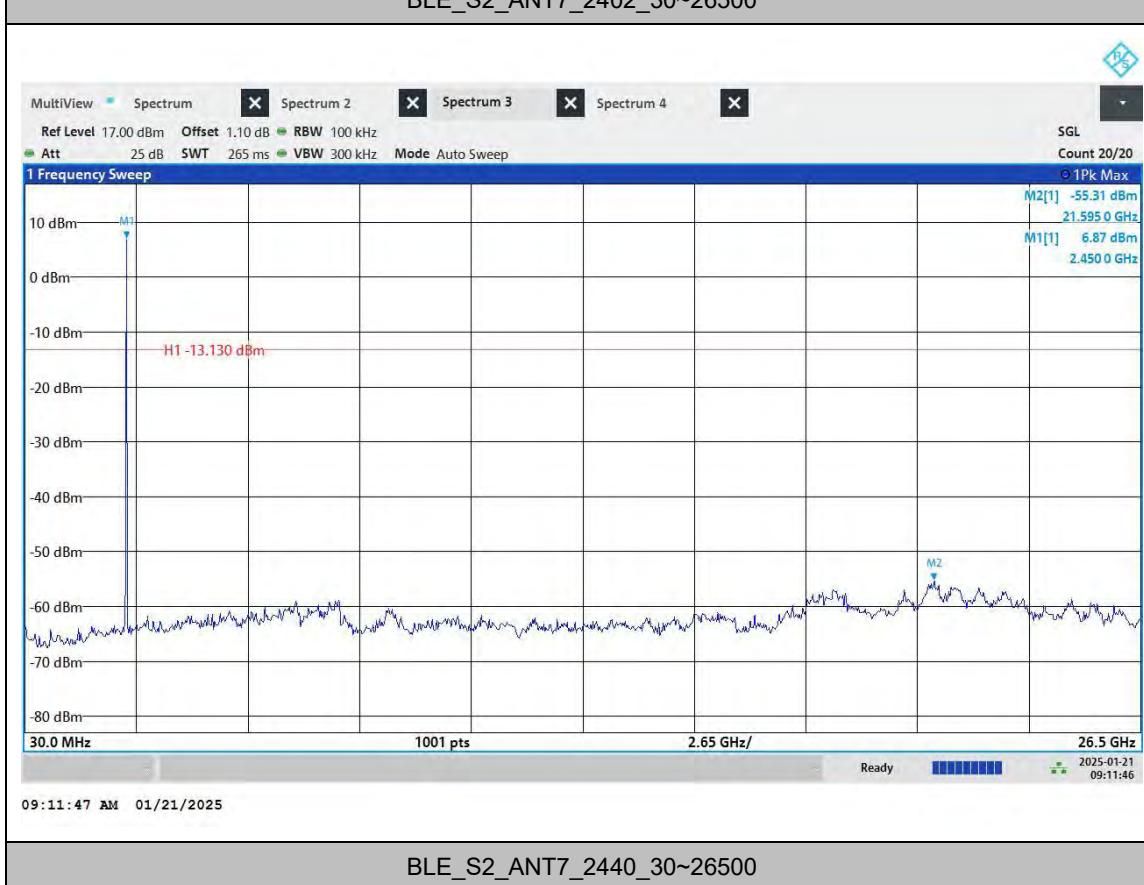
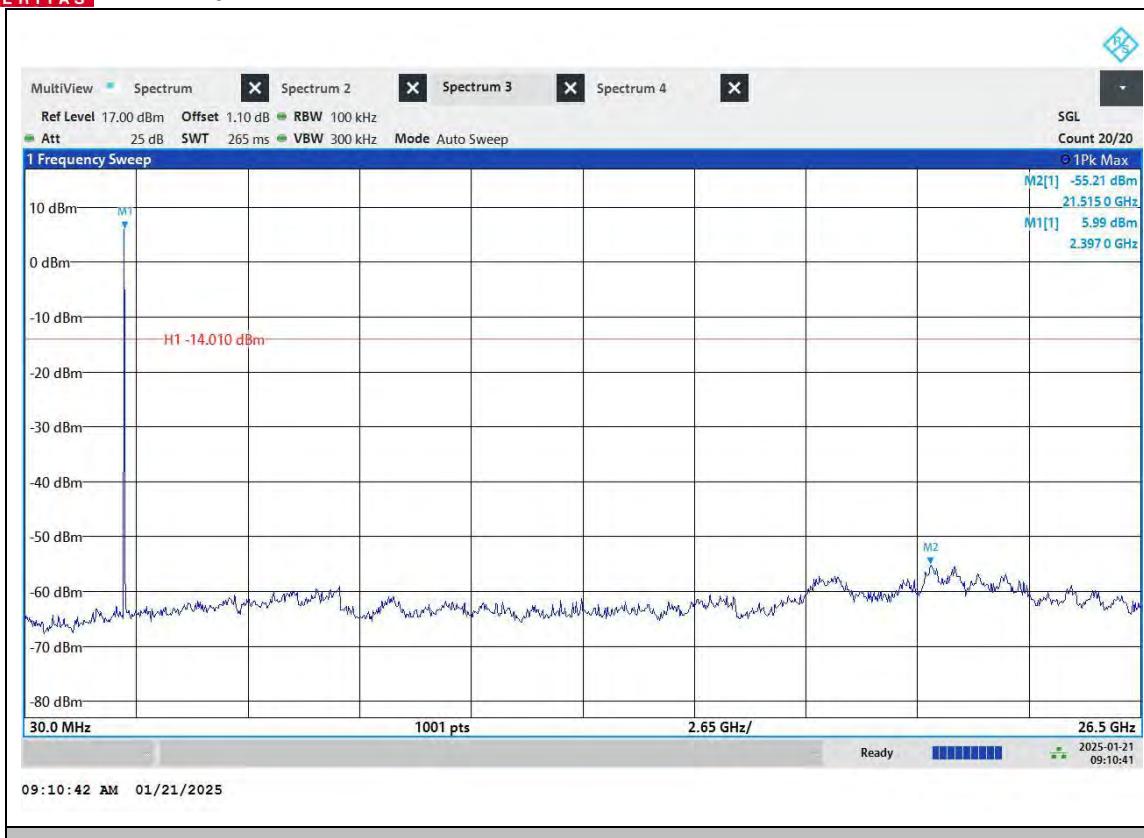
Test Report No.: PSU-NQN2412090110RF09





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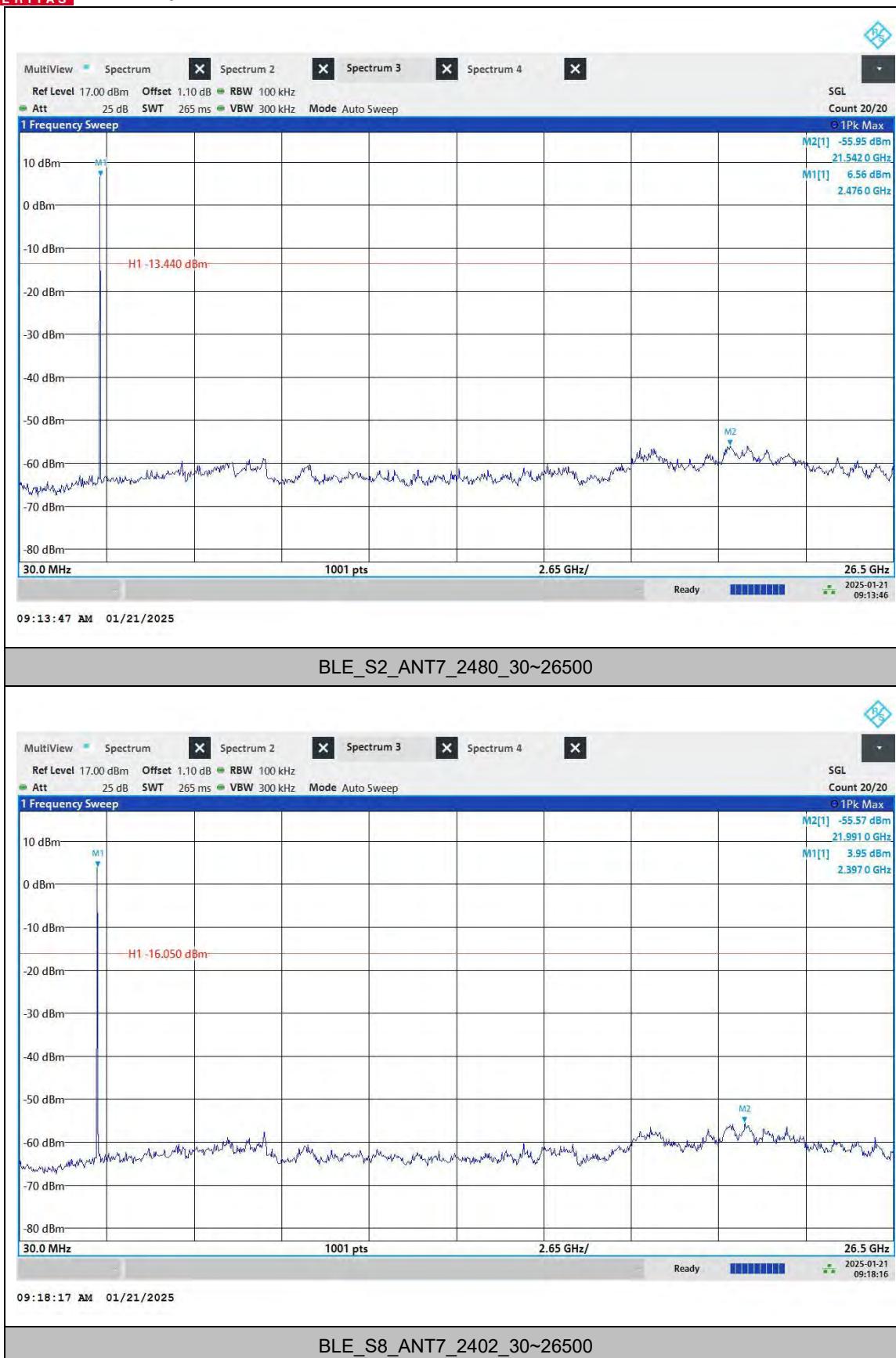
Test Report No.: PSU-NQN2412090110RF09





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VERITAS

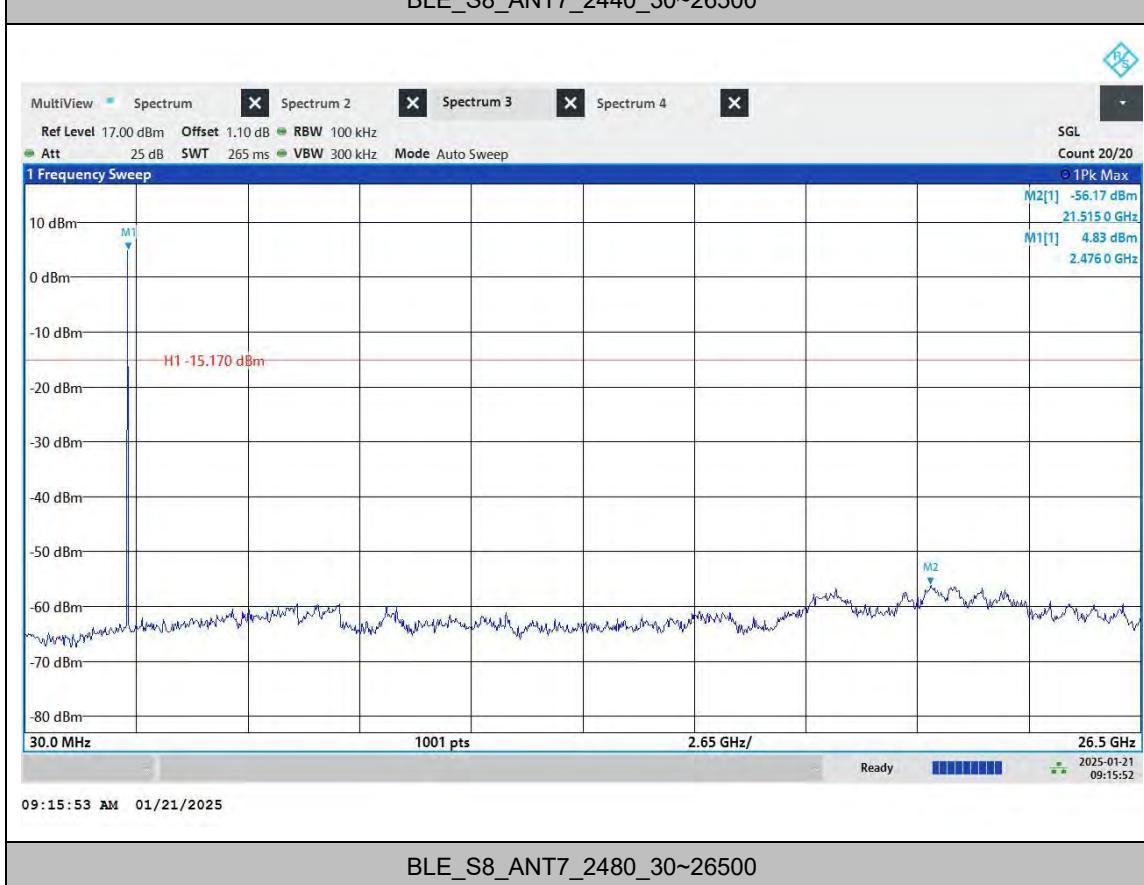
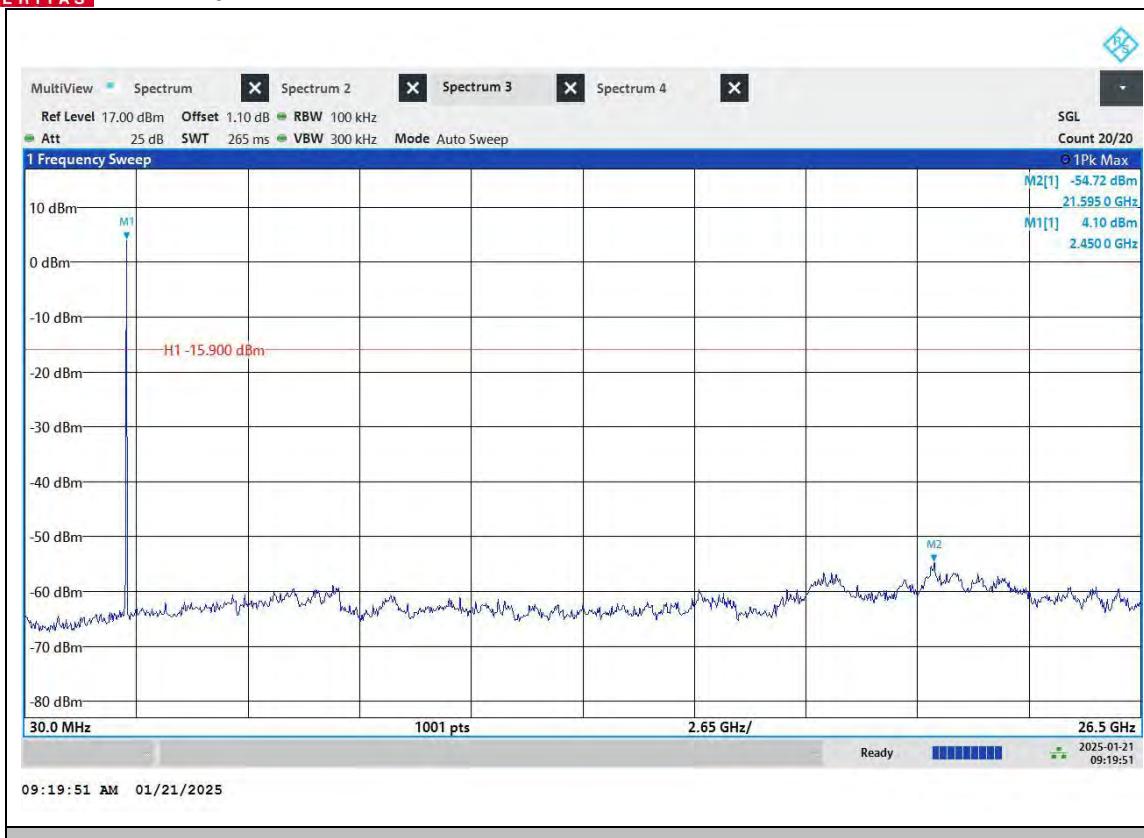
Test Report No.: PSU-NQN2412090110RF09





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Test Report No.: PSU-NQN2412090110RF09





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Test Report No.: PSU-NQN2412090110RF09

## DUTY CYCLE

### TEST RESULT

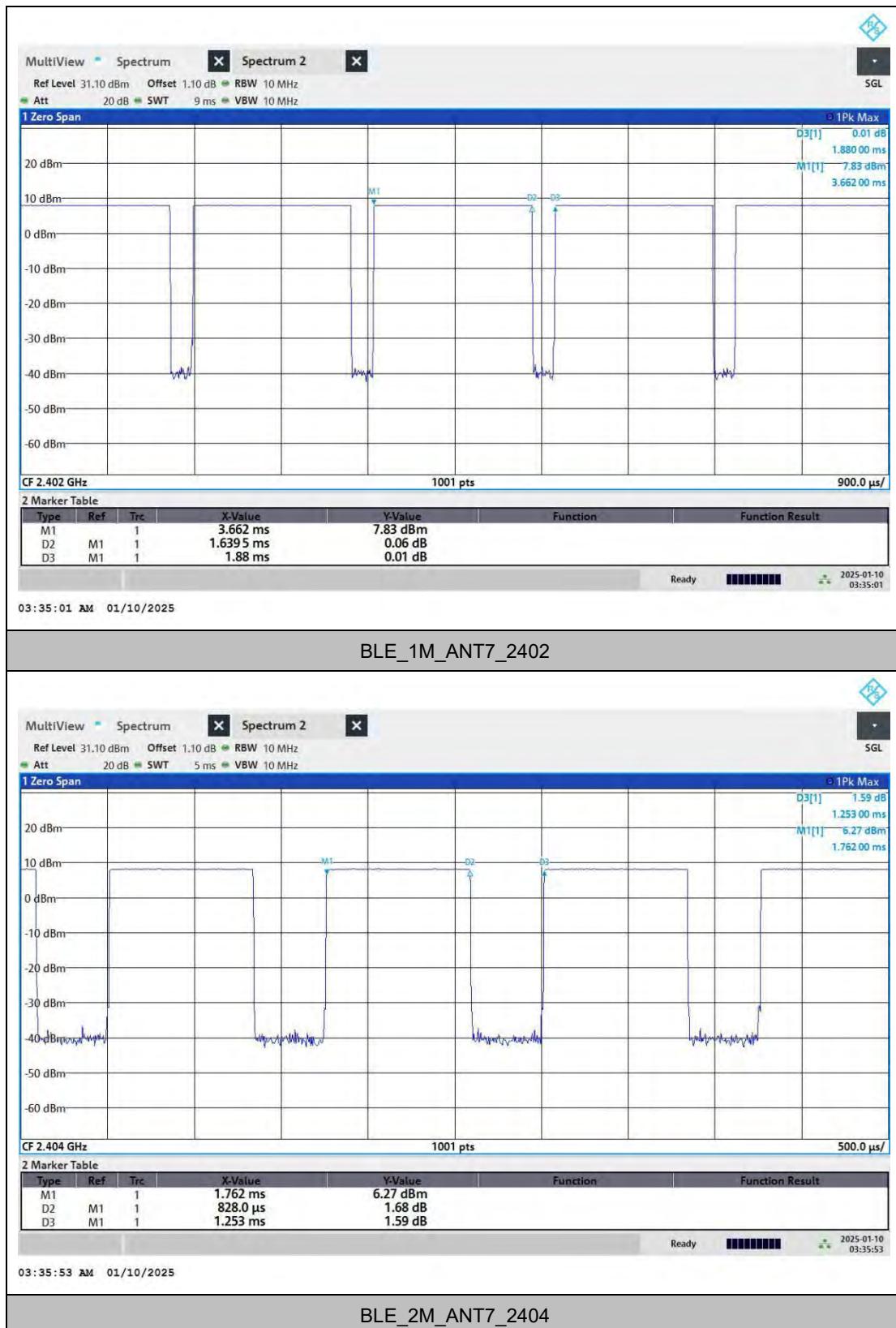
TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	DC [%]	xFacto r	Limit	Verdict
BLE_1M	ANT7	2402	1.6395	1.88	87.21	0.59	---	PASS
BLE_2M	ANT7	2404	0.828	1.253	66.08	1.8	---	PASS
BLE-S2	ANT7	2402	3.546	4.367	81.20	0.9	---	PASS
BLE_S8	ANT7	2402	13.046	13.717	95.11	0.22	---	PASS



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Test Report No.: PSU-NQN2412090110RF09

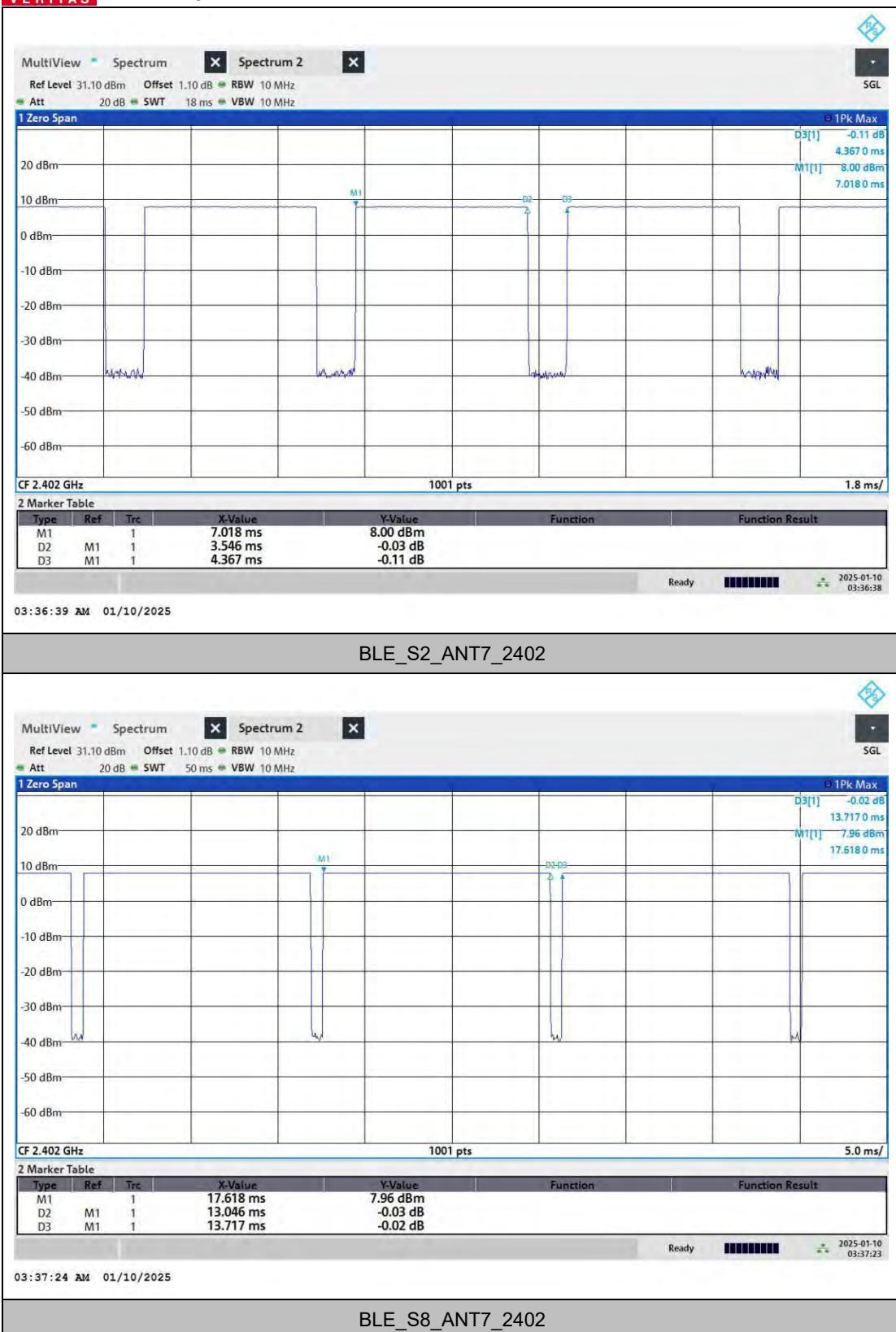
## TEST GRAPHS





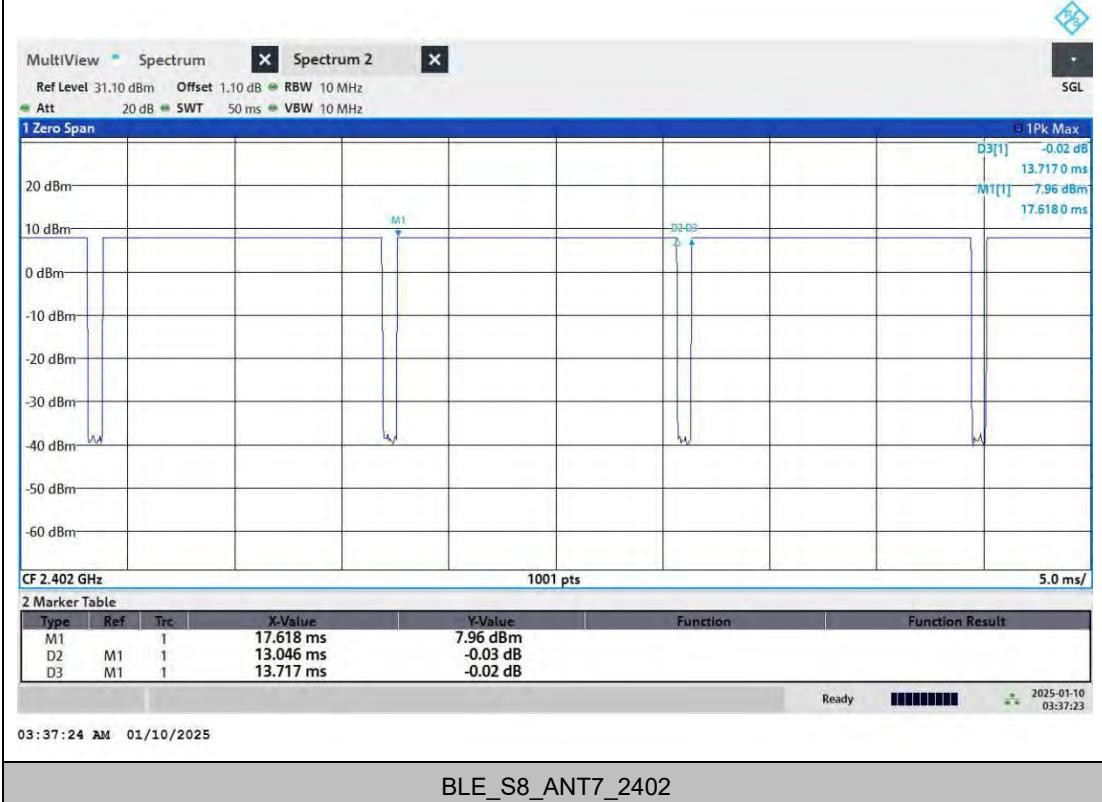
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Test Report No.: PSU-NQN2412090110RF09



03:36:39 AM 01/10/2025

BLE\_S2\_ANT7\_2402



03:37:24 AM 01/10/2025

BLE\_S8\_ANT7\_2402

--END--

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