



Left ear

DTS BANDWIDTH

TEST RESULT

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.696	2401.656	2402.352	0.5	PASS
		2440	0.680	2439.668	2440.348	0.5	PASS
		2480	0.704	2479.656	2480.360	0.5	PASS
BLE_2M	Ant1	2404	1.140	2403.436	2404.576	0.5	PASS
		2440	1.120	2439.456	2440.576	0.5	PASS
		2478	1.088	2477.460	2478.548	0.5	PASS



TEST GRAPHS

BLE_1M_Ant1_2402



BLE_1M_Ant1_2440



BLE_1M_Ant1_2480



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BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



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BLE_2M_Ant1_2478





OCCUPIED CHANNEL BANDWIDTH TEST RESULT

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0275	2401.4999	2402.5274	---	---
		2440	1.0399	2439.4952	2440.5351	---	---
		2480	1.0284	2479.5001	2480.5285	---	---
BLE_2M	Ant1	2404	2.0612	2402.9964	2405.0576	---	---
		2440	2.0614	2438.9975	2441.0589	---	---
		2478	2.0708	2476.9948	2479.0656	---	---



TEST GRAPHS





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BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



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BLE_2M_Ant1_2478





MAXIMUM CONDUCTED OUTPUT POWER TEST RESULT

TestMode	Antenna	Channel	Average power [dBm]	Peak power [dBm]	Peak power [mw]	Conducted Limit [dBm]	EIRP [dBm]	EIRP [mw]	EIRP Limit [dBm]	Verdict	Power Setting
BLE_1M	Ant1	2402	13.5	13.56	22.70	≤30	8.71	7.43	≤36	PASS	Default
		2440	13.47	13.52	22.49	≤30	8.67	7.36	≤36	PASS	Default
		2480	13.37	13.55	22.65	≤30	8.7	7.41	≤36	PASS	Default
BLE_2M	Ant1	2404	13.75	13.8	23.99	≤30	8.95	7.85	≤36	PASS	Default
		2440	13.71	13.84	24.21	≤30	8.99	7.93	≤36	PASS	Default
		2478	13.67	13.79	23.93	≤30	8.94	7.83	≤36	PASS	Default

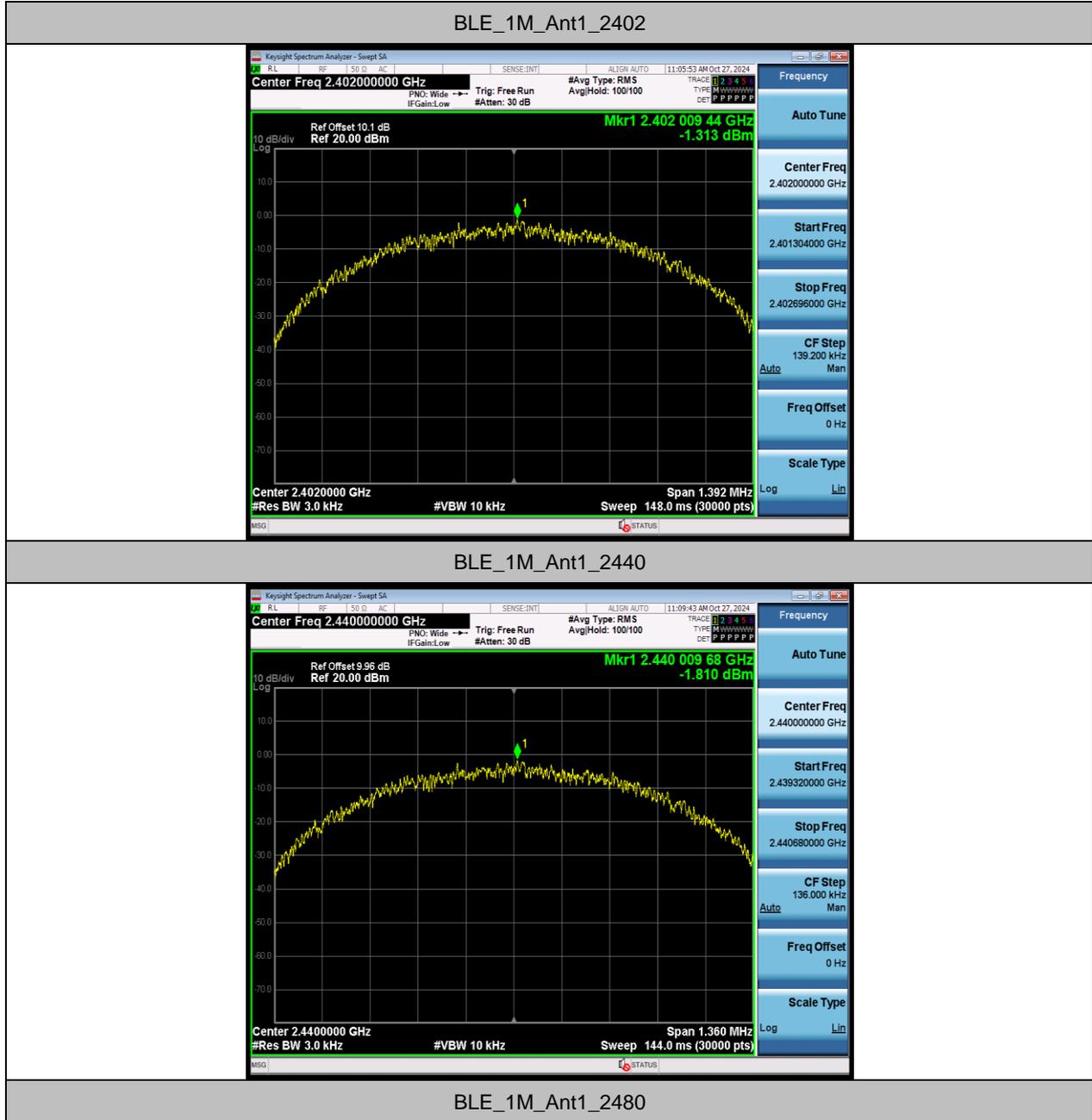
Note: EIRP=Peak Power+Gain

MAXIMUM POWER SPECTRAL DENSITY TEST RESULT

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-1.31	≤8.00	PASS
		2440	-1.81	≤8.00	PASS
		2480	-1.57	≤8.00	PASS
BLE_2M	Ant1	2404	-2.88	≤8.00	PASS
		2440	-3.27	≤8.00	PASS
		2478	-3.18	≤8.00	PASS



TEST GRAPHS

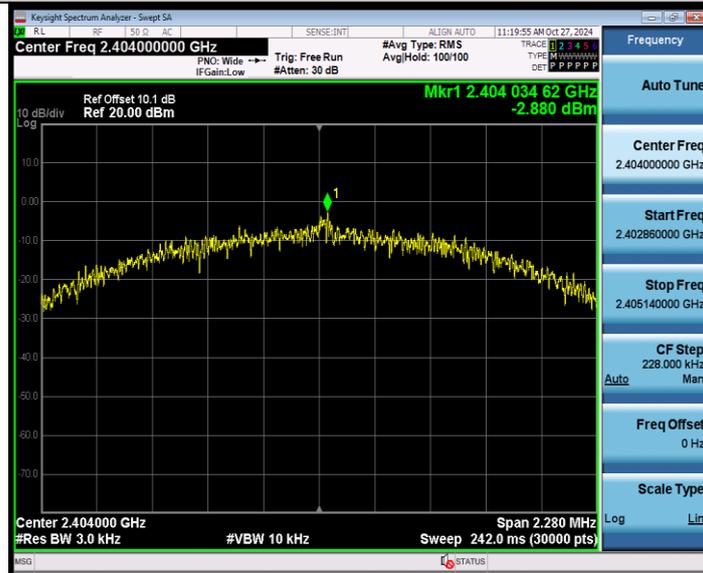




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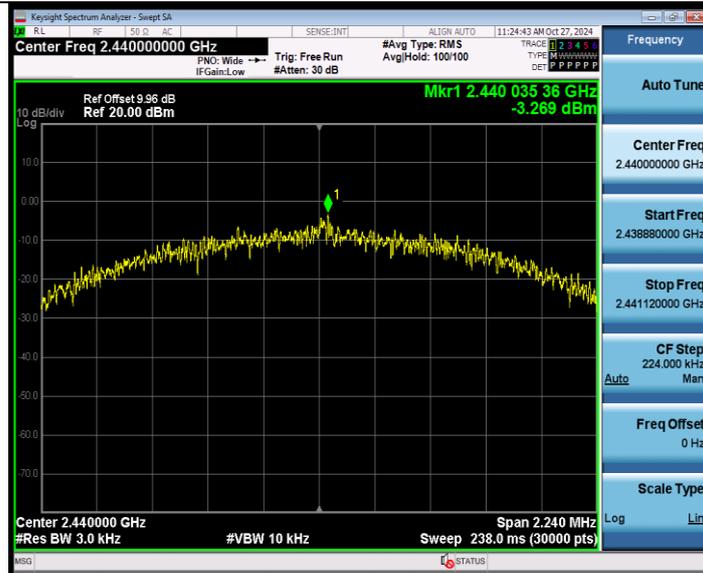
BLE_2M_Ant1_2404



BLE_2M_Ant1_2440



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BLE_2M_Ant1_2478





BAND EDGE MEASUREMENTS

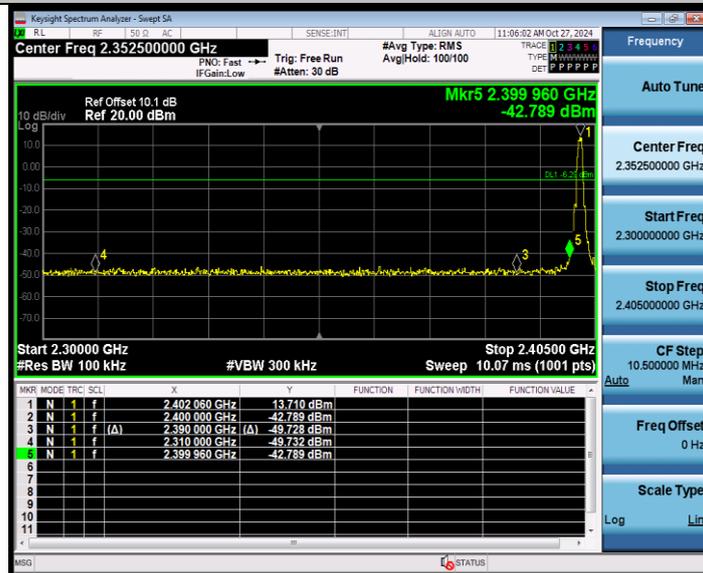
TEST RESULT

TestMode	Antenna	ChName	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	13.71	-42.79	≤-6.29	PASS
		High	2480	13.47	-45.49	≤-6.53	PASS
BLE_2M	Ant1	Low	2404	12.97	-45.44	≤-7.03	PASS
		High	2478	13.74	-45.07	≤-6.26	PASS

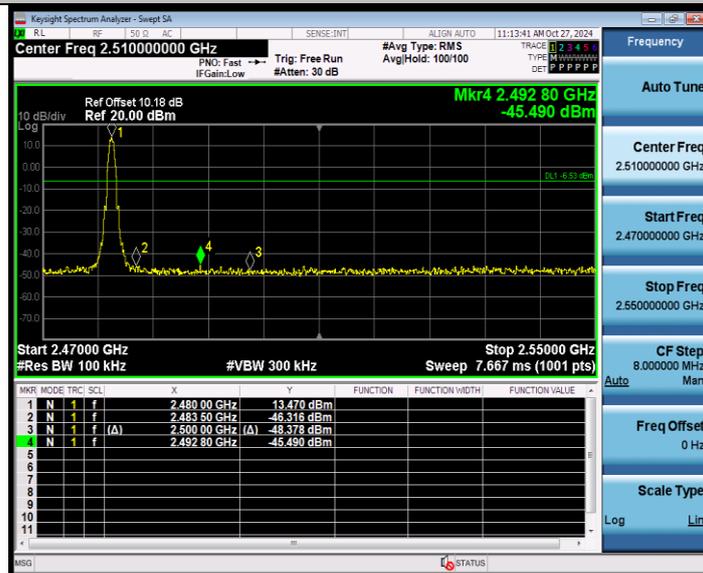


TEST GRAPHS

BLE_1M_Ant1_Low_2402



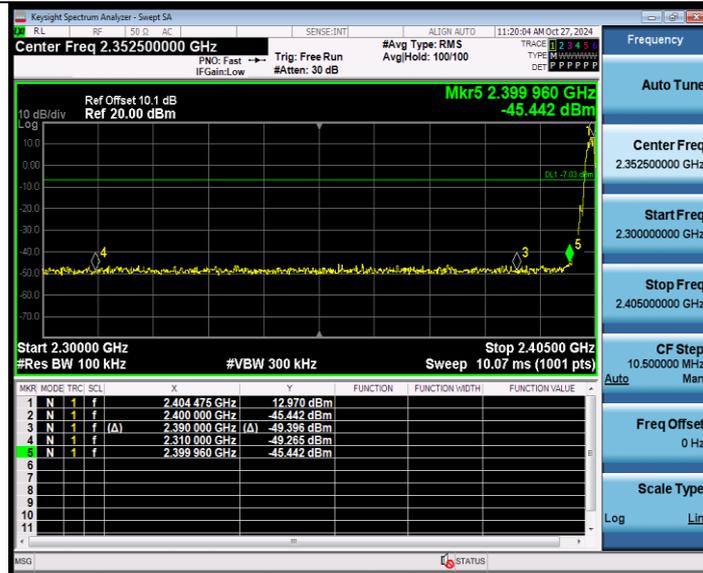
BLE_1M_Ant1_High_2480



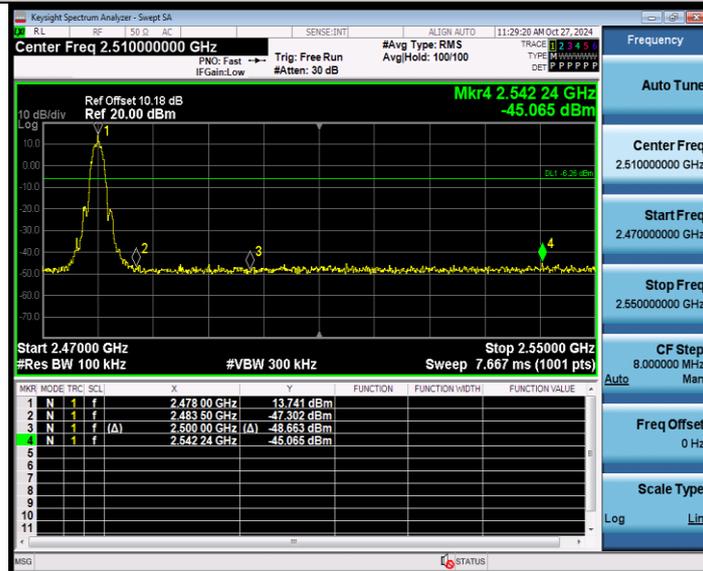
BLE_2M_Ant1_Low_2404



BUREAU VERITAS Test Report No.: PSU-NQN2412110314RF02



BLE_2M_Ant1_High_2478



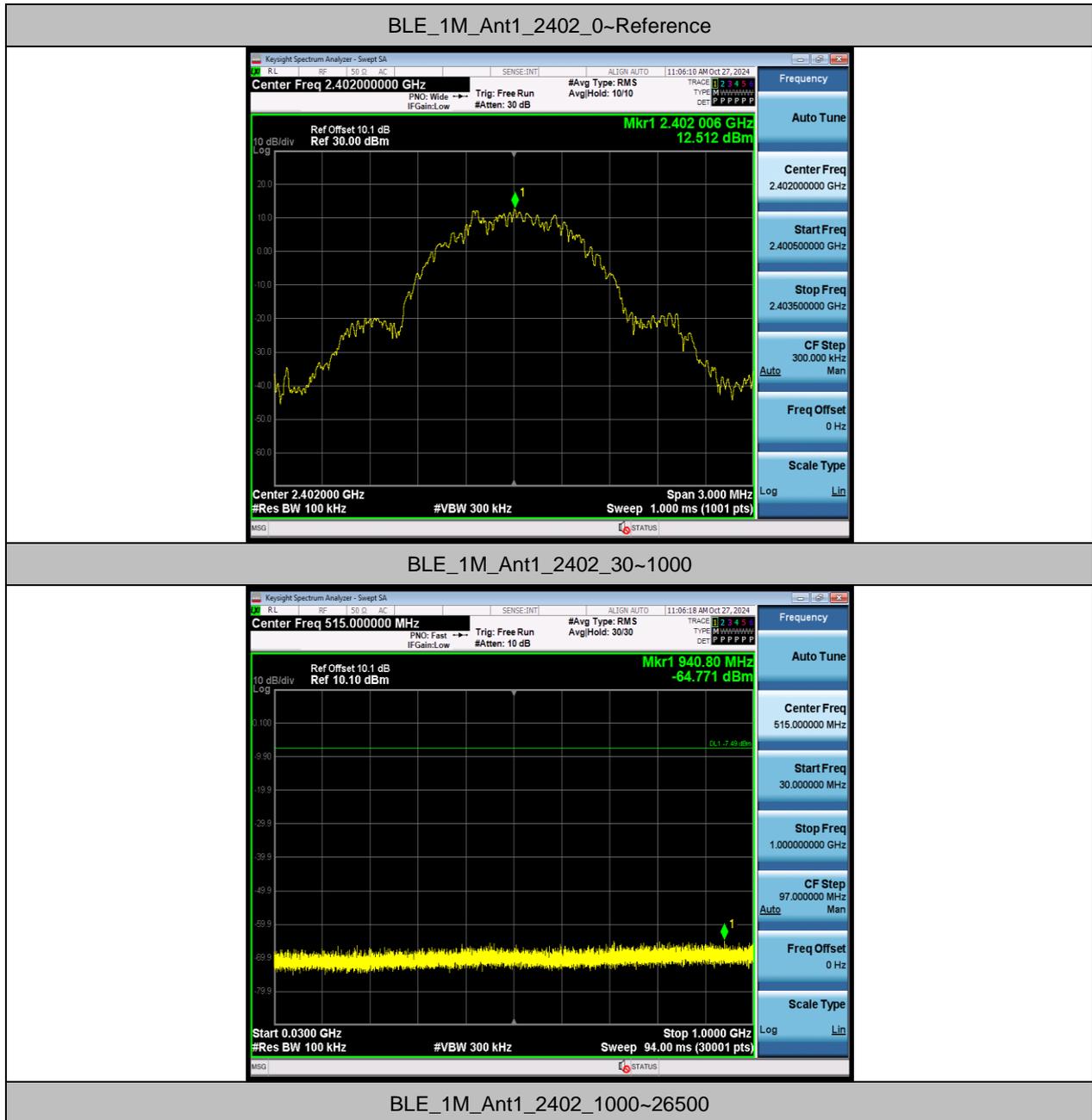


CONDUCTED SPURIOUS EMISSION TEST RESULT

TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	12.51	12.51	---	PASS
			30~1000	12.51	-64.77	≤-7.49	PASS
			1000~26500	12.51	-44.9	≤-7.49	PASS
		2440	Reference	13.12	13.12	---	PASS
			30~1000	13.12	-64.81	≤-6.88	PASS
			1000~26500	13.12	-44.88	≤-6.88	PASS
		2480	Reference	12.71	12.71	---	PASS
			30~1000	12.71	-64.45	≤-7.29	PASS
			1000~26500	12.71	-45.27	≤-7.29	PASS
BLE_2M	Ant1	2404	Reference	13.65	13.65	---	PASS
			30~1000	13.65	-64.7	≤-6.35	PASS
			1000~26500	13.65	-44.27	≤-6.35	PASS
		2440	Reference	11.74	11.74	---	PASS
			30~1000	11.74	-64.69	≤-8.26	PASS
			1000~26500	11.74	-45.59	≤-8.26	PASS
		2478	Reference	12.60	12.60	---	PASS
			30~1000	12.60	-64.82	≤-7.4	PASS
			1000~26500	12.60	-45.4	≤-7.4	PASS



TEST GRAPHS





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VERITAS**

Test Report No.: PSU-NQN2412110314RF02



BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000

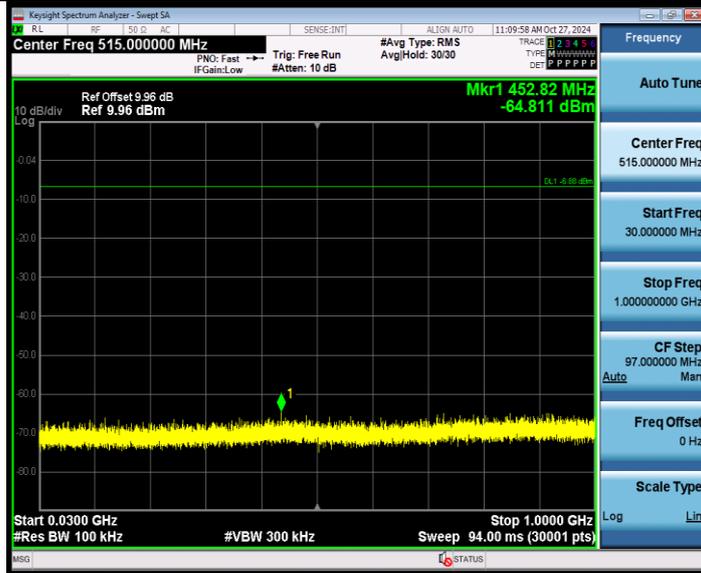
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference



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Test Report No.: PSU-NQN2412110314RF02



BLE_1M_Ant1_2480_30~1000



BLE_1M_Ant1_2480_1000~26500

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BLE_2M_Ant1_2404_0~Reference



BLE_2M_Ant1_2404_30~1000

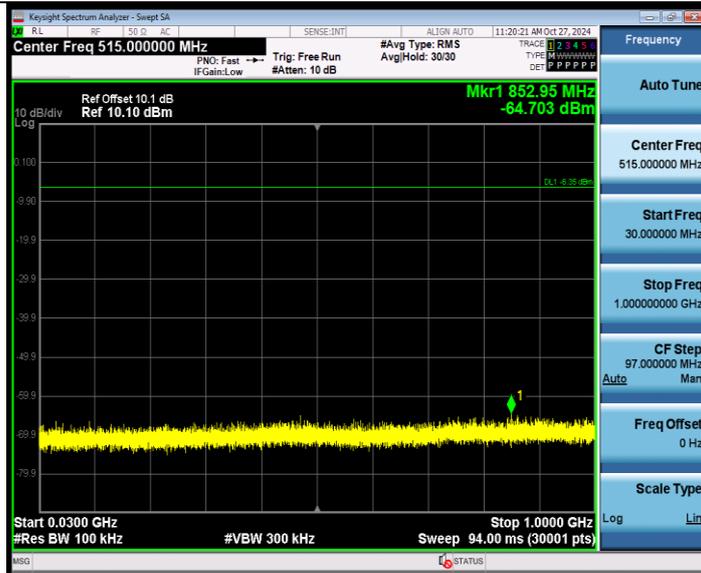
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BLE_2M_Ant1_2404_1000~26500



BLE_2M_Ant1_2440_0~Reference



BUREAU VERITAS Test Report No.: PSU-NQN2412110314RF02



BLE_2M_Ant1_2440_30~1000



BLE_2M_Ant1_2440_1000~26500



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Test Report No.: PSU-NQN2412110314RF02



BLE_2M_Ant1_2478_0~Reference



BLE_2M_Ant1_2478_30~1000

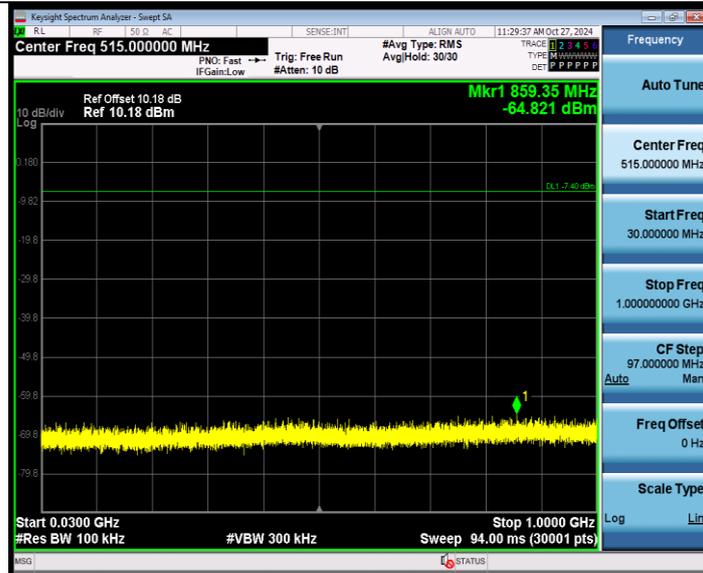
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BLE_2M_Ant1_2478_1000~26500





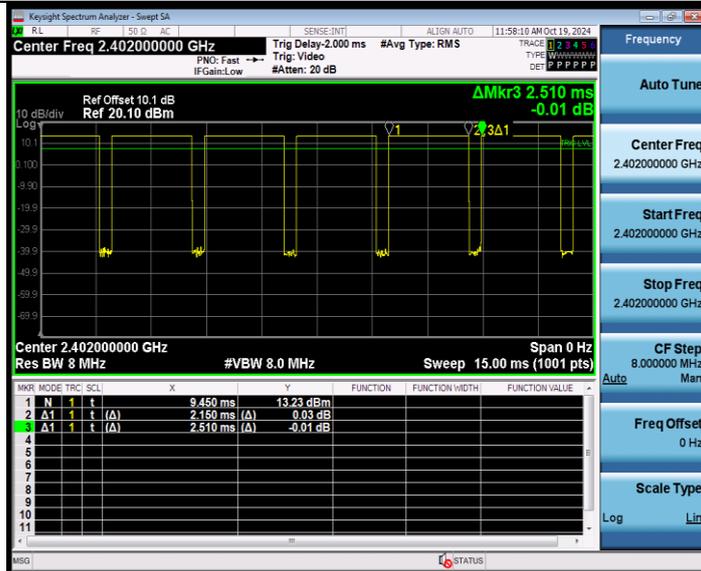
DUTY CYCLE TEST RESULT

TestMode	Antenna	Frequency[MHz]	ON Time [ms]	Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]
BLE_1M	Ant1	2402	2.15	2.51	85.66	0.67
		2440	2.15	2.50	86.00	0.66
		2480	2.16	2.50	86.40	0.63
BLE_2M	Ant1	2404	1.10	1.88	58.51	2.33
		2440	1.09	1.87	58.29	2.34
		2478	1.09	1.87	58.29	2.34

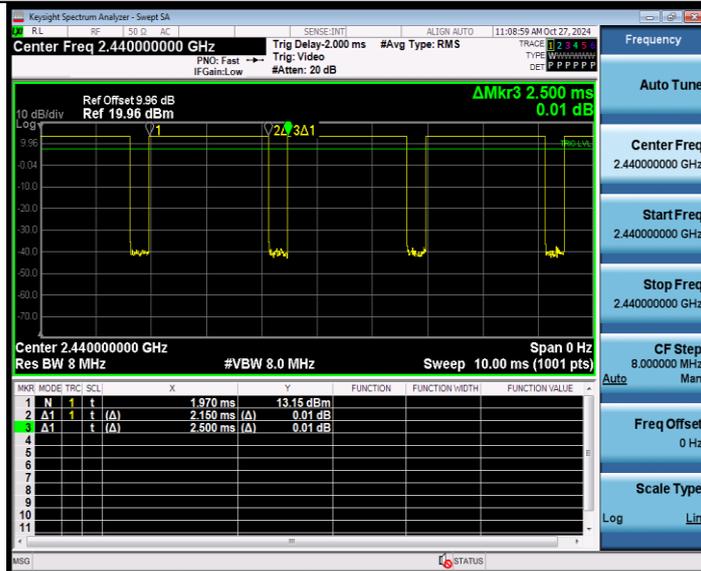


TEST GRAPHS

BLE_1M_Ant1_2402



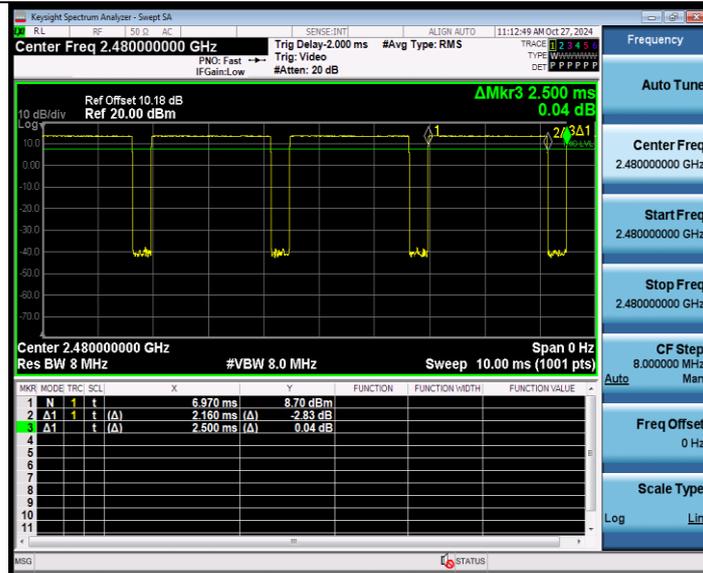
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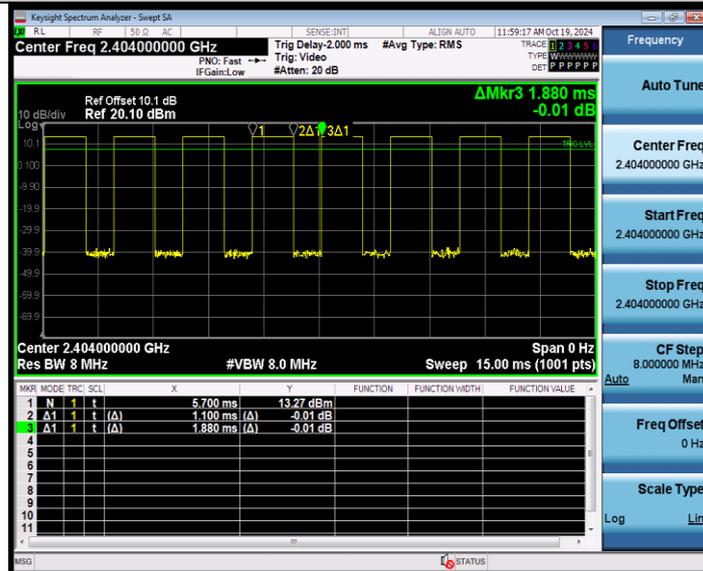
BLE_1M_Ant1_2480



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BLE_2M_Ant1_2404



BLE_2M_Ant1_2440

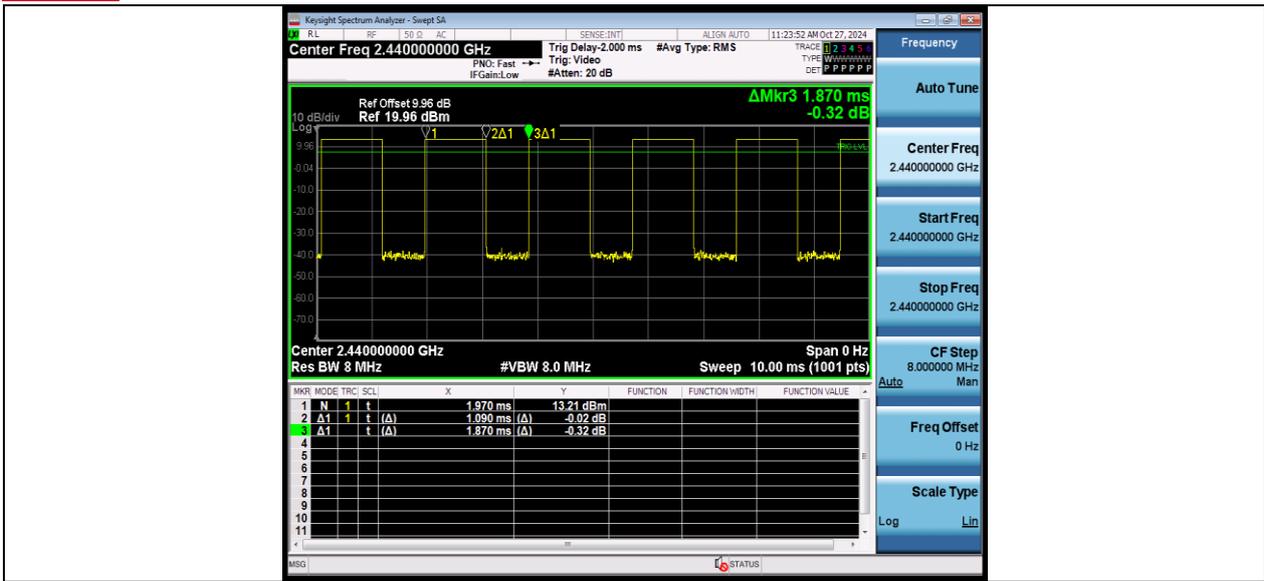
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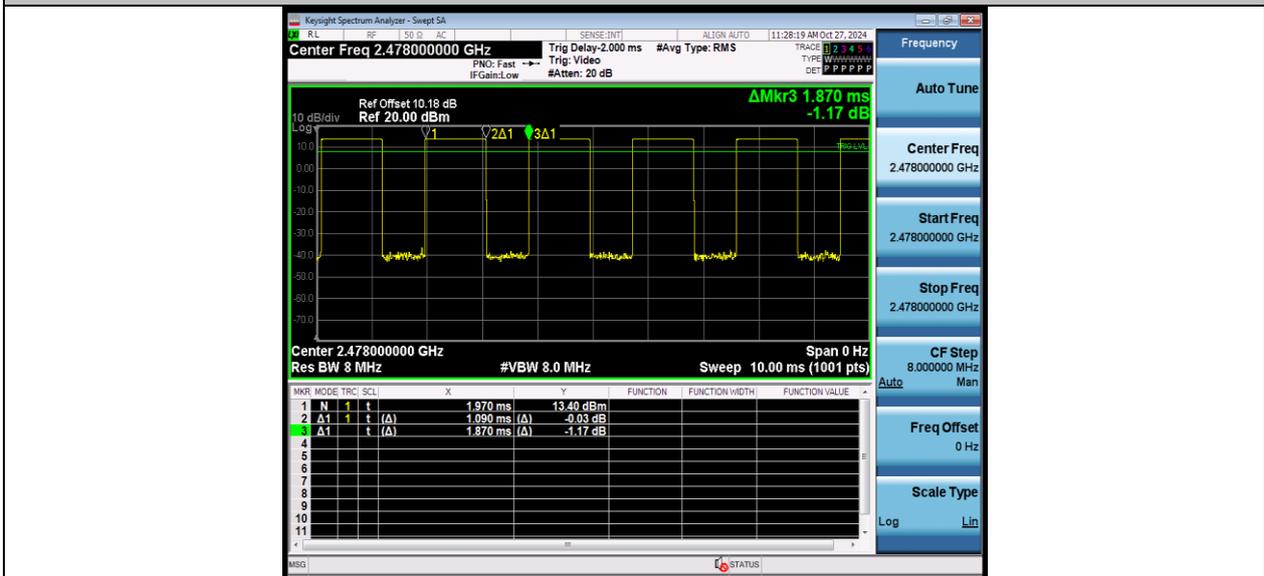
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BLE_2M_Ant1_2478



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