

FCC ID: 2A64B-DEX54
IC: 28593-DEX54

Appendix B of report 2411B2087SHA-002

DTS Bandwidth

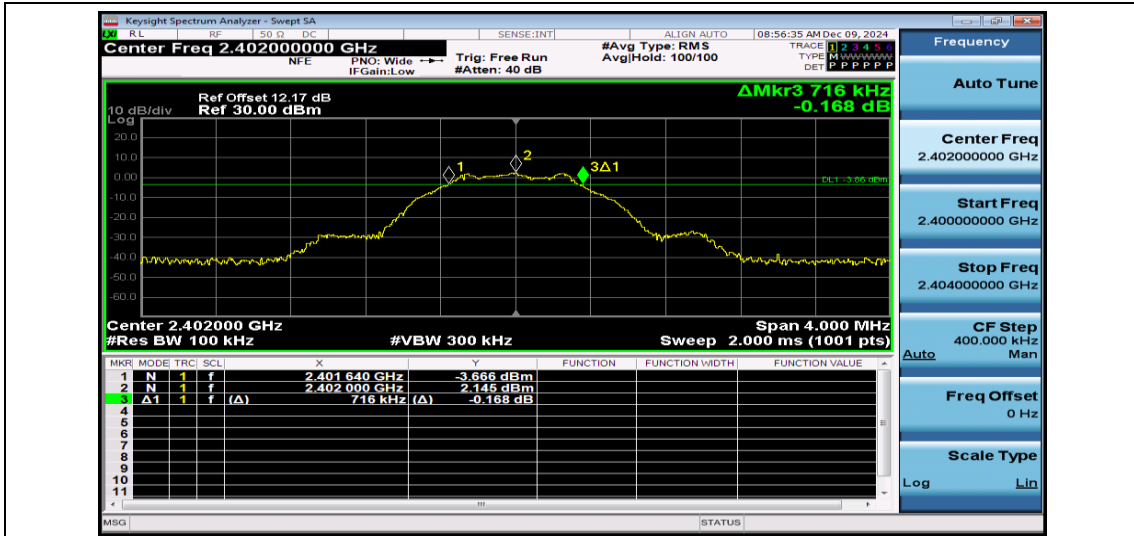
Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.716	2401.640	2402.356	0.5	PASS
BLE_1M	Ant1	2440	0.696	2439.652	2440.348	0.5	PASS
BLE_1M	Ant1	2480	0.728	2479.624	2480.352	0.5	PASS

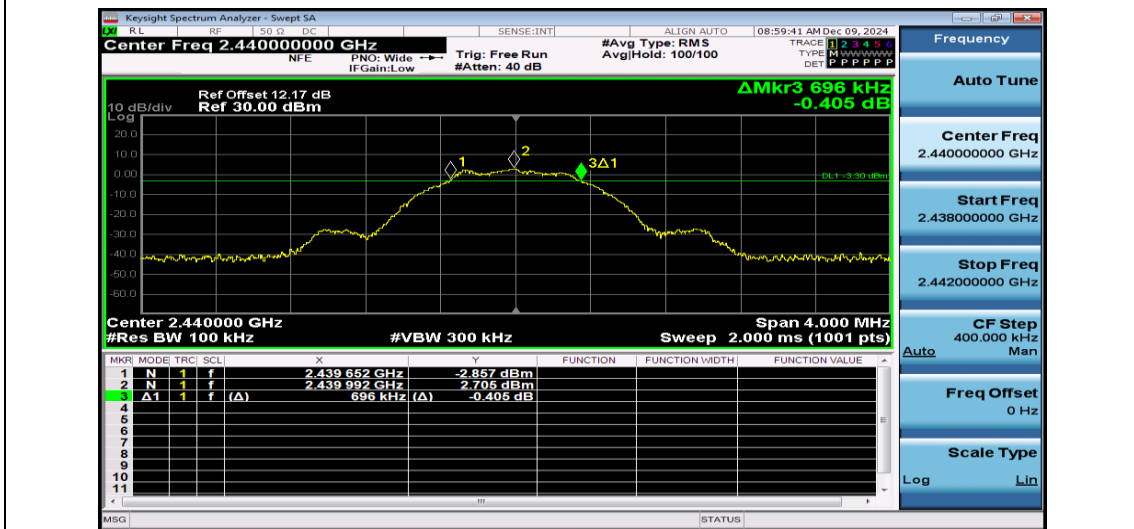
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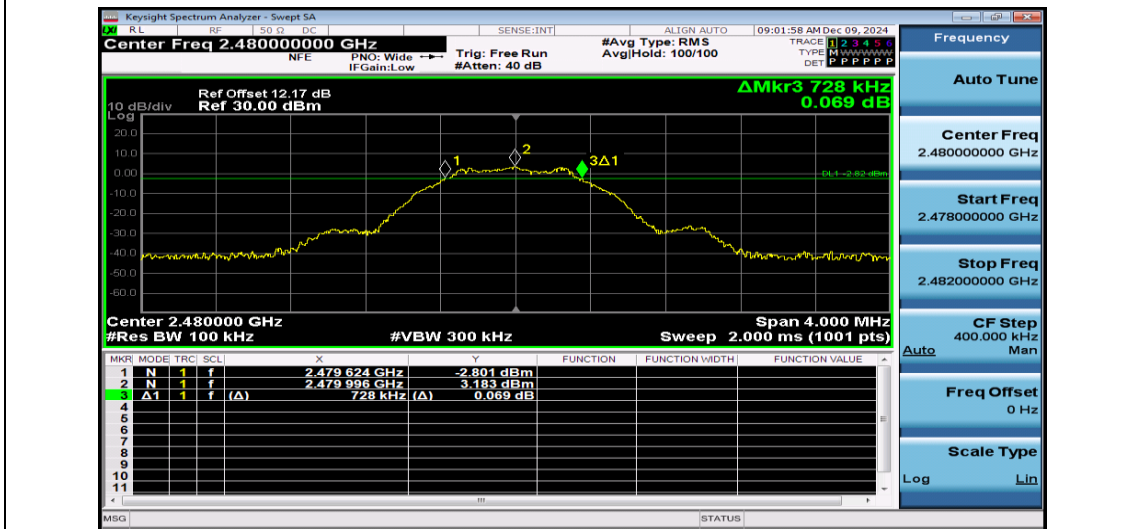
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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Occupied Channel Bandwidth

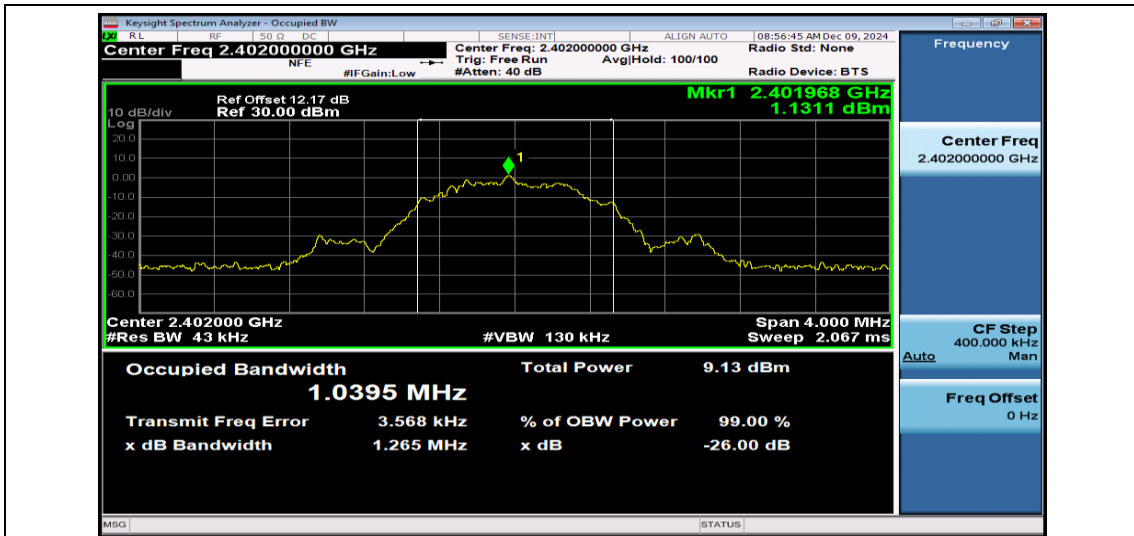
Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0395	2401.4838	2402.5233	---	---
BLE_1M	Ant1	2440	1.0495	2439.4758	2440.5253	---	---
BLE_1M	Ant1	2480	1.0425	2479.4801	2480.5226	---	---

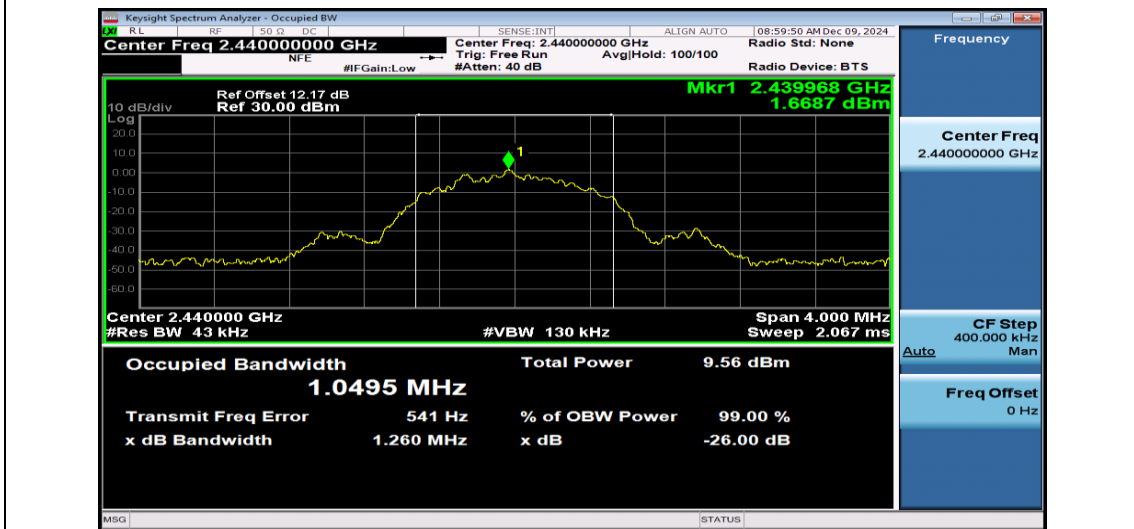
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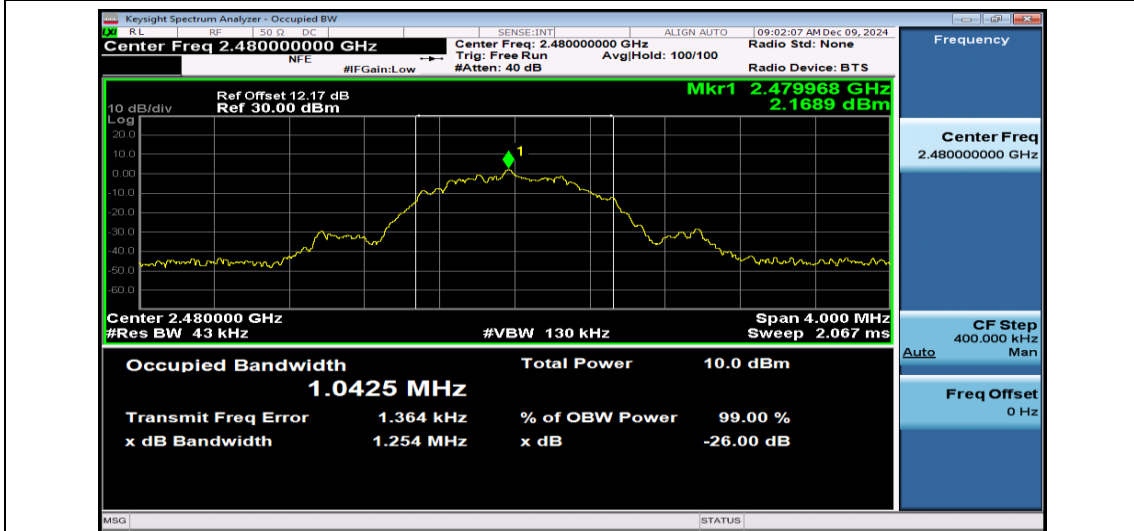
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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Maximum conducted output power

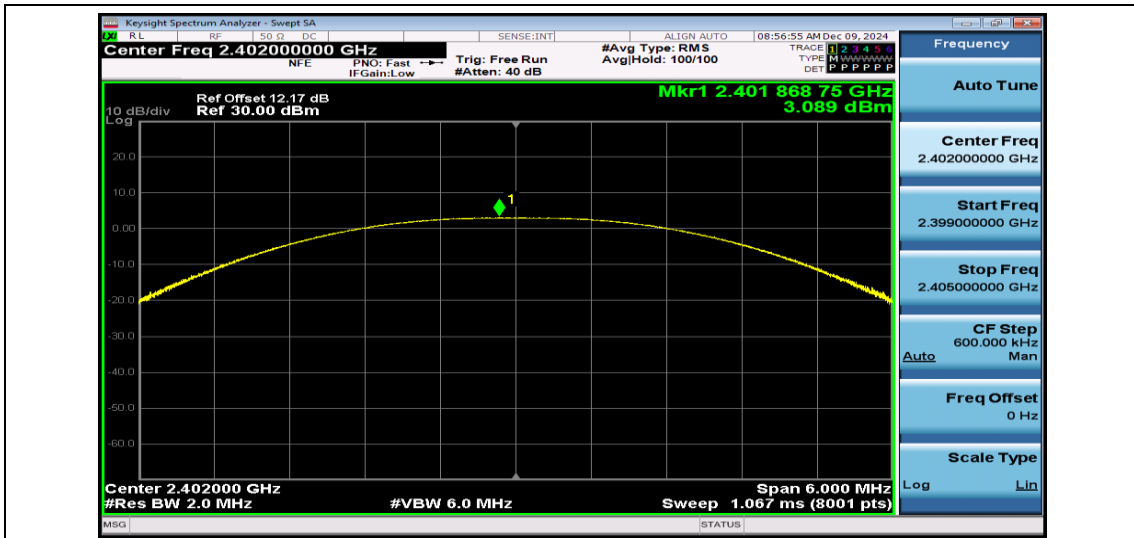
Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	EIRP[dBm]	EIRP Limit[dBm]	Verdict
BLE_1M	Ant1	2402	3.09	≤30	6.48	≤36	PASS
BLE_1M	Ant1	2440	3.62	≤30	7.01	≤36	PASS
BLE_1M	Ant1	2480	4.11	≤30	7.50	≤36	PASS

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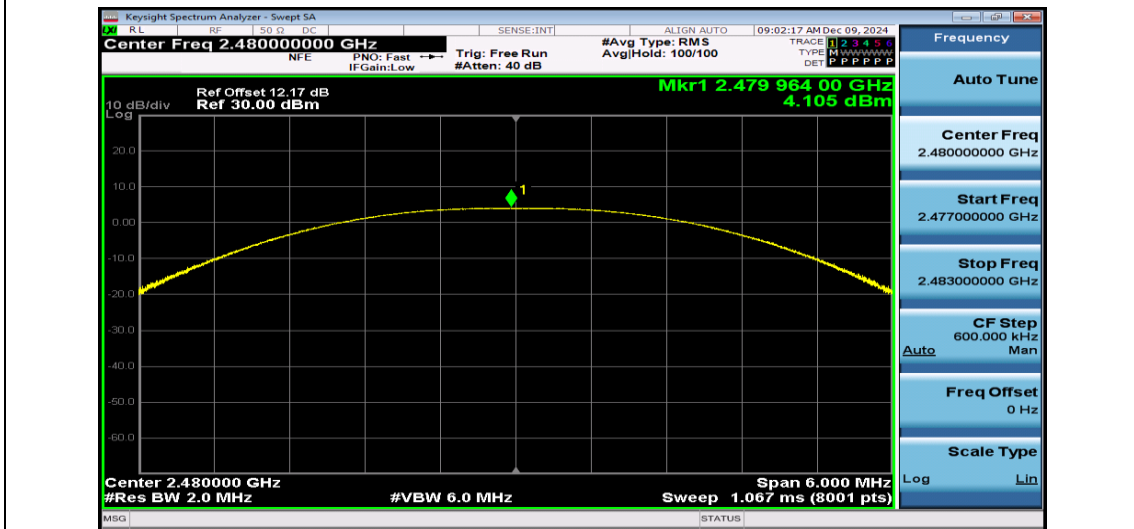
Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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Maximum power spectral density

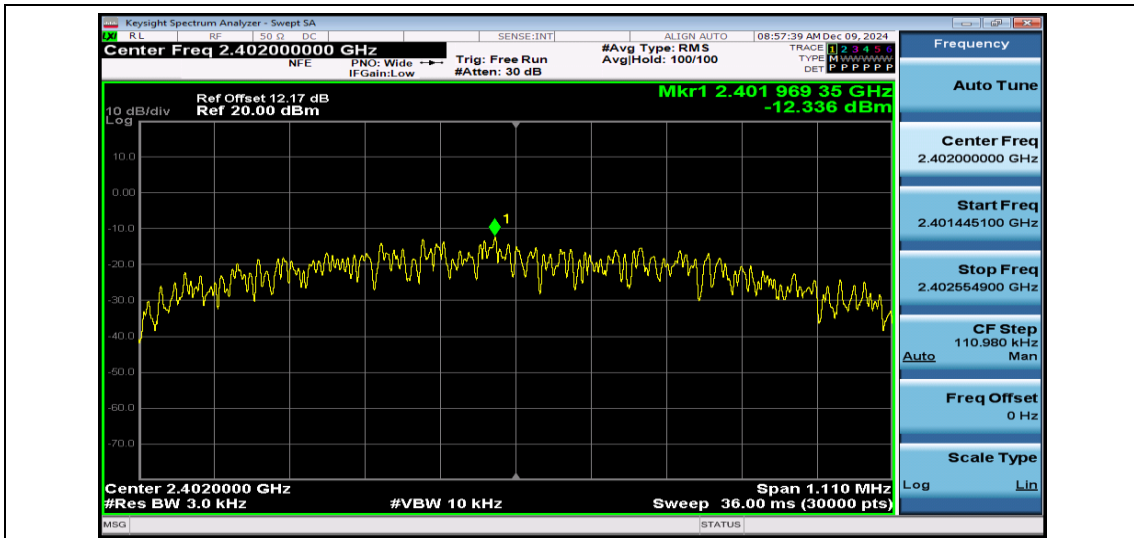
Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-12.34	≤8.00	PASS
BLE_1M	Ant1	2440	-12.53	≤8.00	PASS
BLE_1M	Ant1	2480	-11.69	≤8.00	PASS

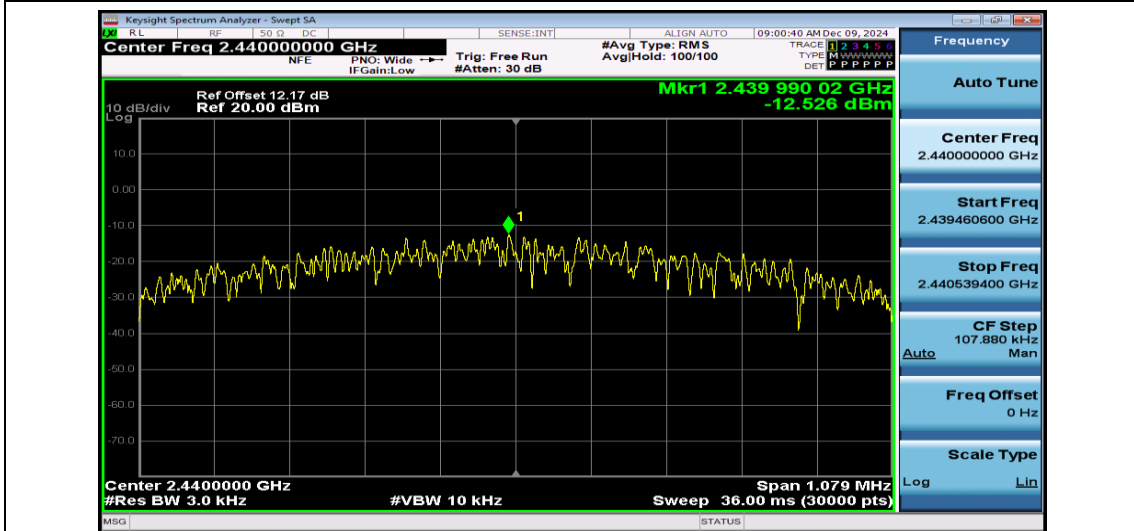
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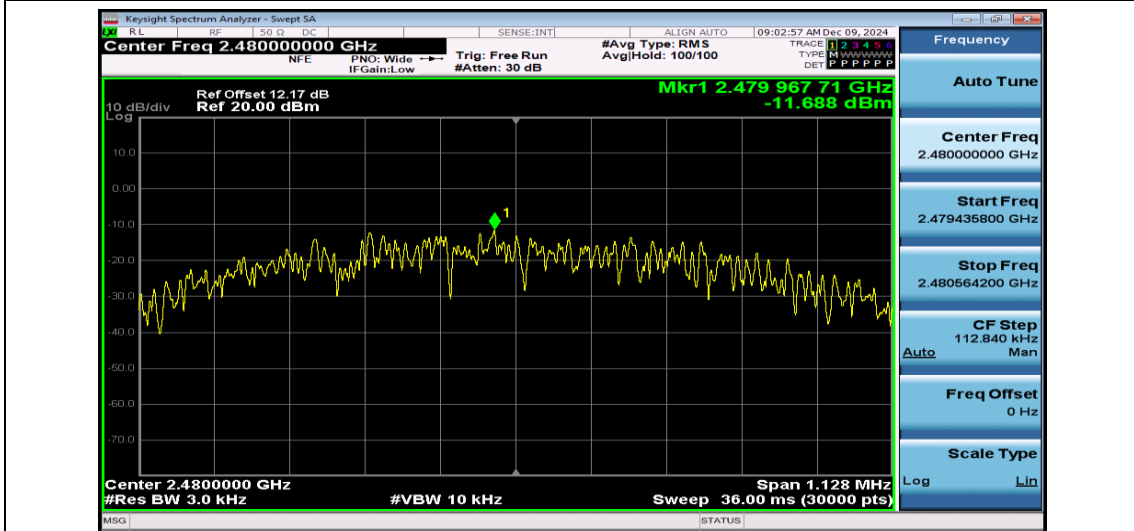
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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Band edge measurements

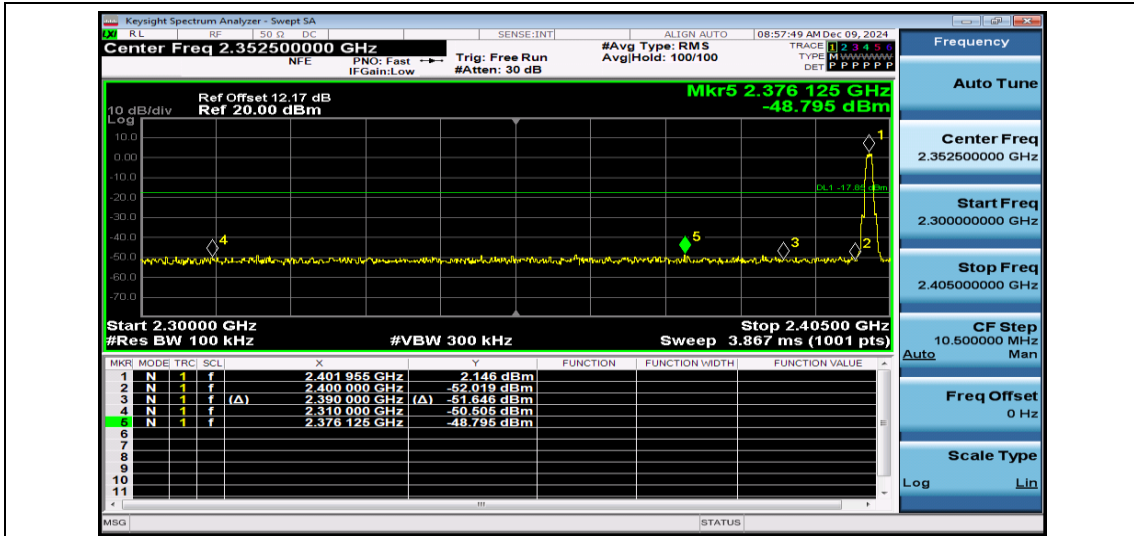
Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	2.15	-48.8	≤-17.85	PASS
BLE_1M	Ant1	High	2480	2.75	-48.4	≤-17.25	PASS

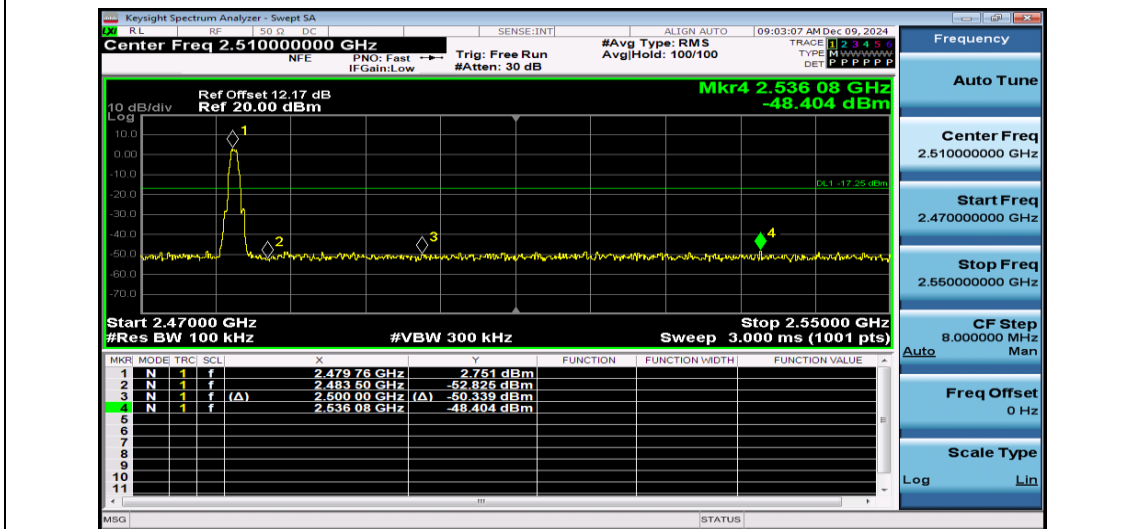
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Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS

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Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	1.70	1.70	---	PASS
BLE_1M	Ant1	2402	30~1000	1.70	-61.25	≤-18.3	PASS
BLE_1M	Ant1	2402	1000~26500	1.70	-52.43	≤-18.3	PASS
BLE_1M	Ant1	2440	0~Reference	2.60	2.60	---	PASS
BLE_1M	Ant1	2440	30~1000	2.60	-60.21	≤-17.4	PASS
BLE_1M	Ant1	2440	1000~26500	2.60	-51.45	≤-17.4	PASS
BLE_1M	Ant1	2480	0~Reference	1.86	1.86	---	PASS
BLE_1M	Ant1	2480	30~1000	1.86	-61.19	≤-18.14	PASS
BLE_1M	Ant1	2480	1000~26500	1.86	-51.78	≤-18.14	PASS

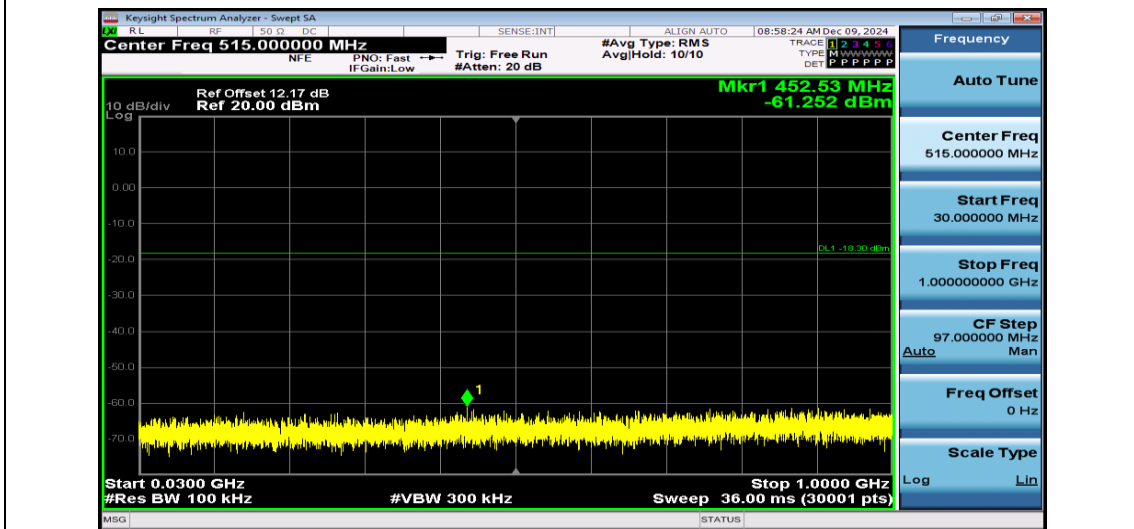
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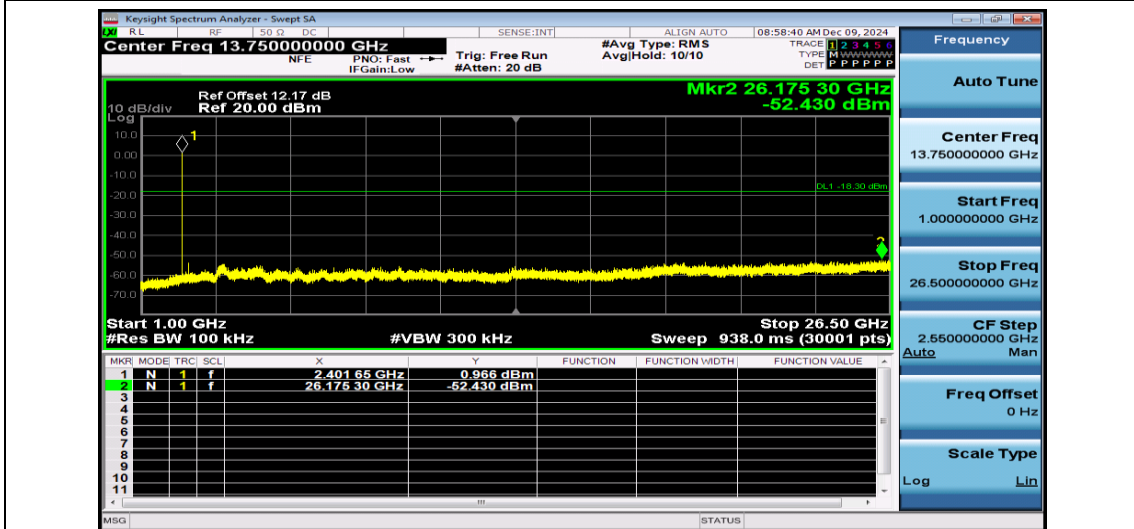
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



BLE_1M-Ant1-2402-30~1000-PASS



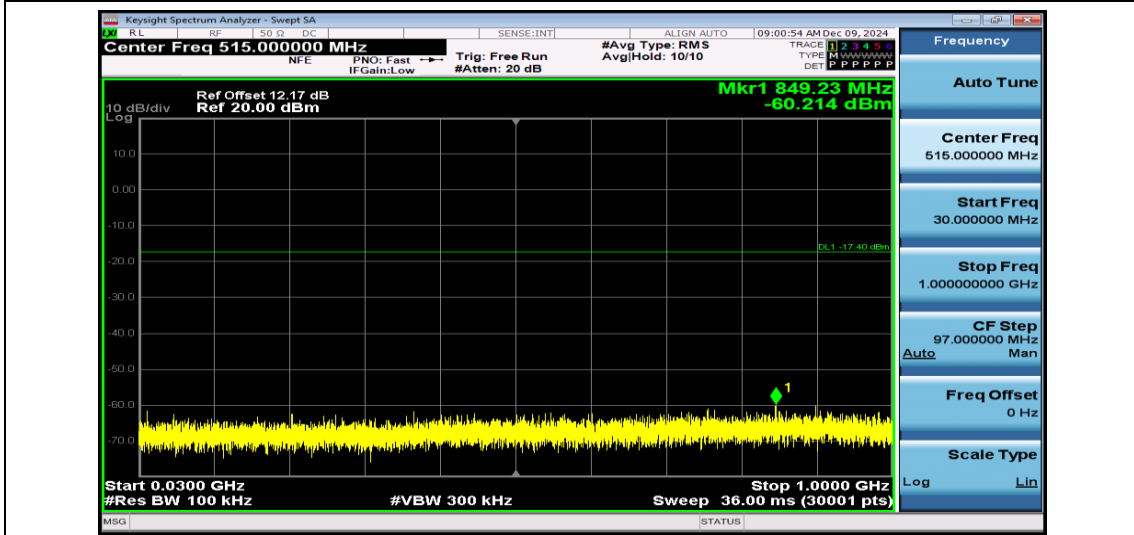
BLE_1M-Ant1-2402-1000~26500-PASS

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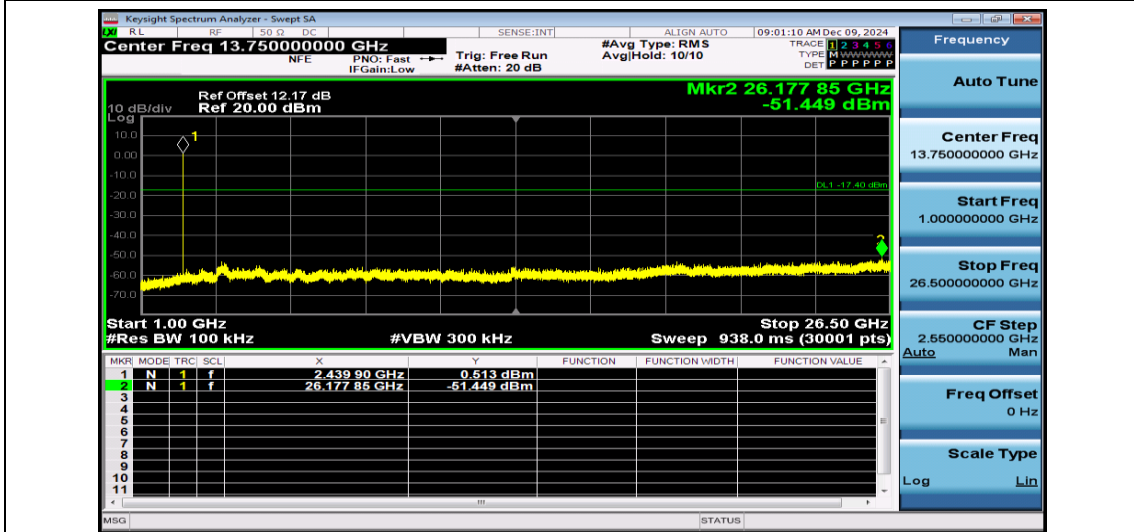
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BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



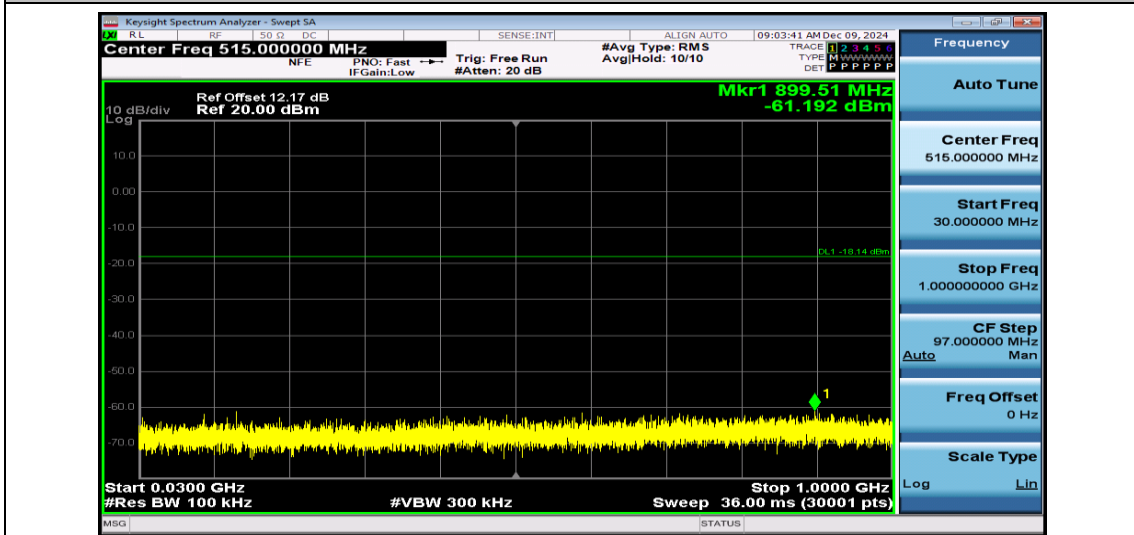
BLE_1M-Ant1-2440-1000~26500-PASS

FCC ID: 2A64B-DEX54

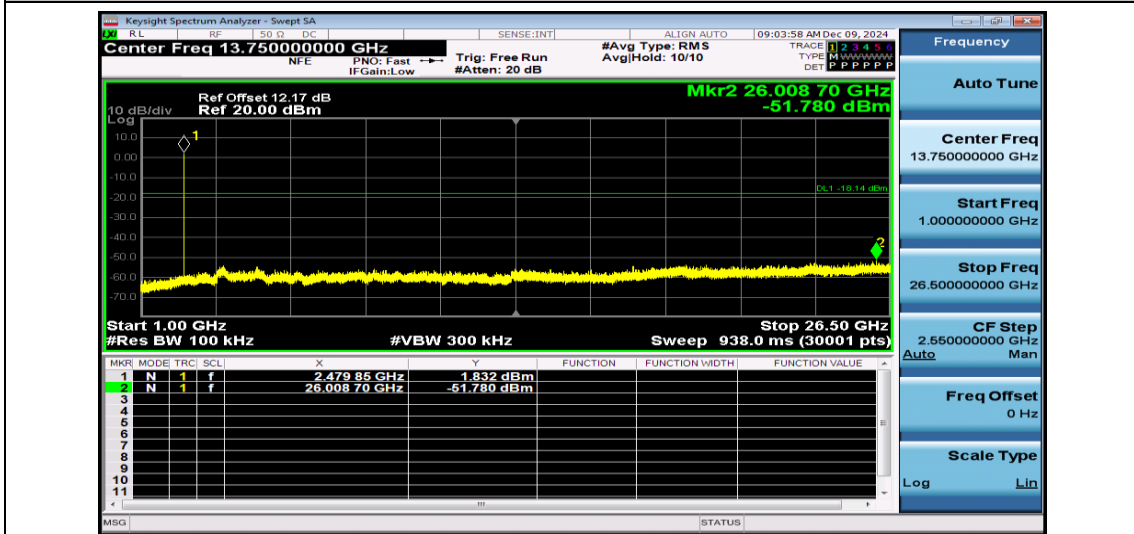
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BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



BLE_1M-Ant1-2480-1000~26500-PASS