

Appendix Test Data

Report No.:	182512C400125102	Test Sample No.:	1-2-2
Start Test Date:	2024.5.31	Finish Test Date:	2024.6.17
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	25.3°C	Relative Humidity:	48%
Pressure:	101kPa		

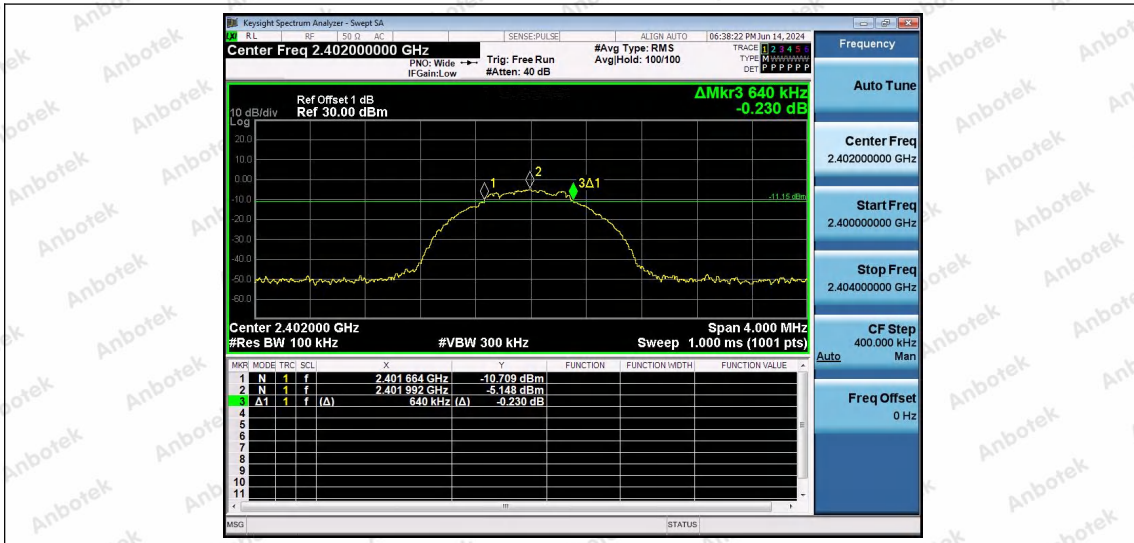
Appendix A: 6dB Bandwidth

Test Result

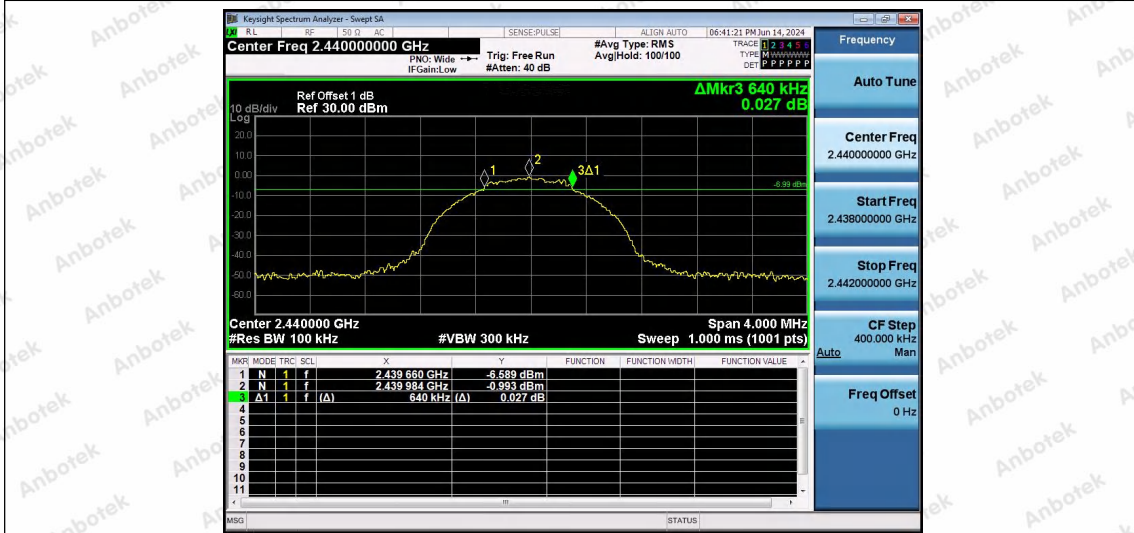
TestMode	Antenna	Frequency[MHz]	6dB BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.640	2401.664	2402.304	0.5	PASS
BLE_1M	Ant1	2440	0.640	2439.660	2440.300	0.5	PASS
BLE_1M	Ant1	2480	0.664	2479.636	2480.300	0.5	PASS
BLE_2M	Ant1	2402	1.316	2401.308	2402.624	0.5	PASS
BLE_2M	Ant1	2440	1.276	2439.312	2440.588	0.5	PASS
BLE_2M	Ant1	2480	1.324	2479.300	2480.624	0.5	PASS



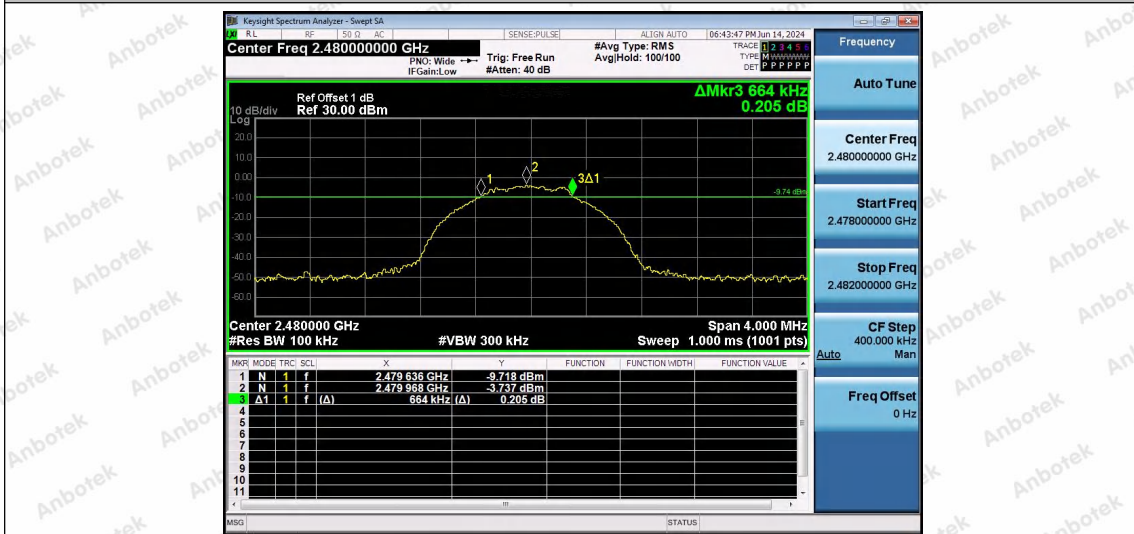
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

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Appendix B: 99% Occupied Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0759	2401.4433	2402.5192	---	---
BLE_1M	Ant1	2440	1.0748	2439.4395	2440.5143	---	---
BLE_1M	Ant1	2480	1.0745	2479.4396	2480.5141	---	---
BLE_2M	Ant1	2402	2.1468	2400.9138	2403.0606	---	---
BLE_2M	Ant1	2440	2.1311	2438.9225	2441.0536	---	---
BLE_2M	Ant1	2480	2.1347	2478.9177	2481.0524	---	---

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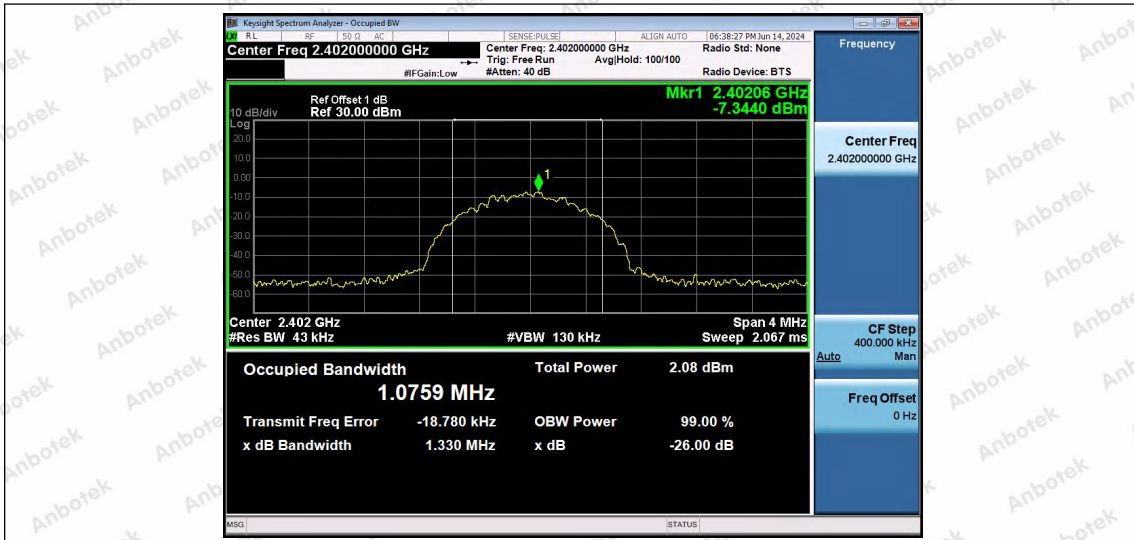
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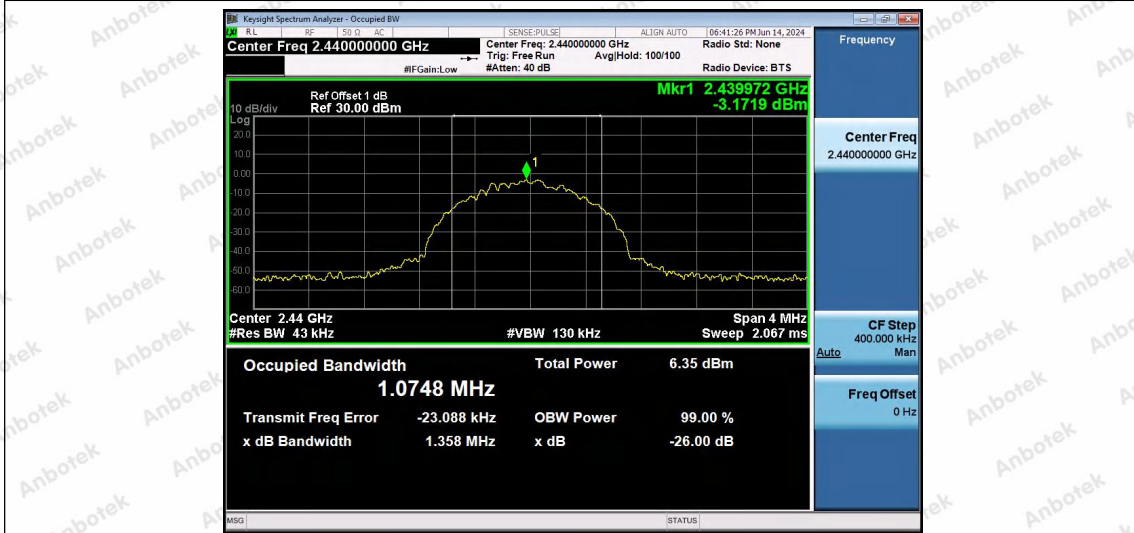
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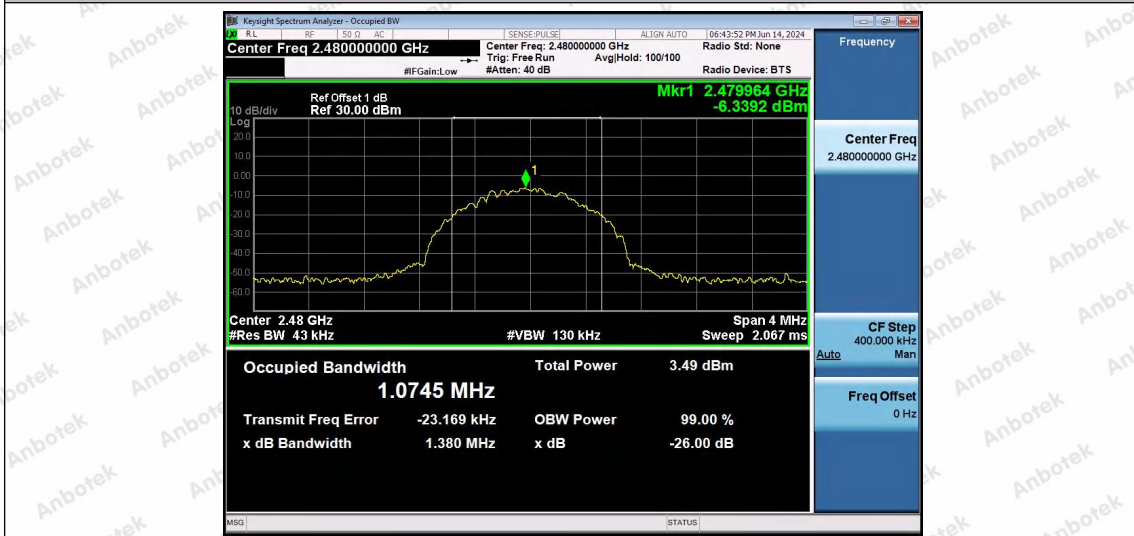
Test Graphs



BLE_1M-Ant1-2402



BLE_1M-Ant1-2440



BLE_1M-Ant1-2480

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BLE_2M-Ant1-2402



BLE_2M-Ant1-2440



BLE_2M-Ant1-2480

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Appendix C: Maximum output power

Test Result Peak

TestMode	Antenna	Frequency[MHz]	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2.55	≤30	PASS
BLE_1M	Ant1	2440	0.83	≤30	PASS
BLE_1M	Ant1	2480	-1.86	≤30	PASS
BLE_2M	Ant1	2402	2.47	≤30	PASS
BLE_2M	Ant1	2440	0.45	≤30	PASS
BLE_2M	Ant1	2480	-2.33	≤30	PASS

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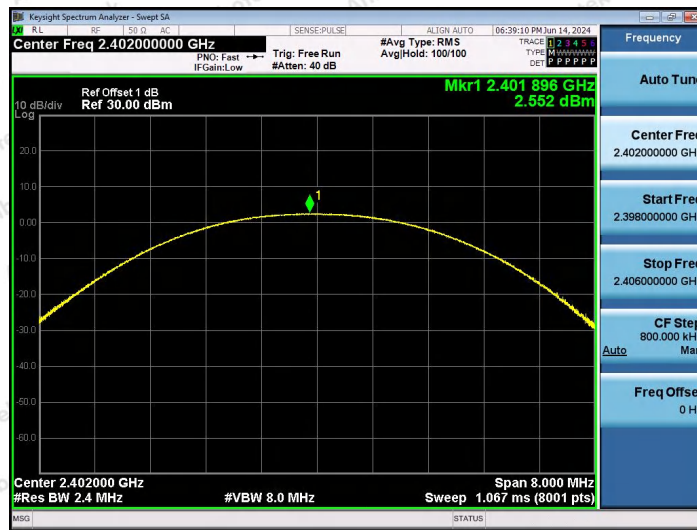
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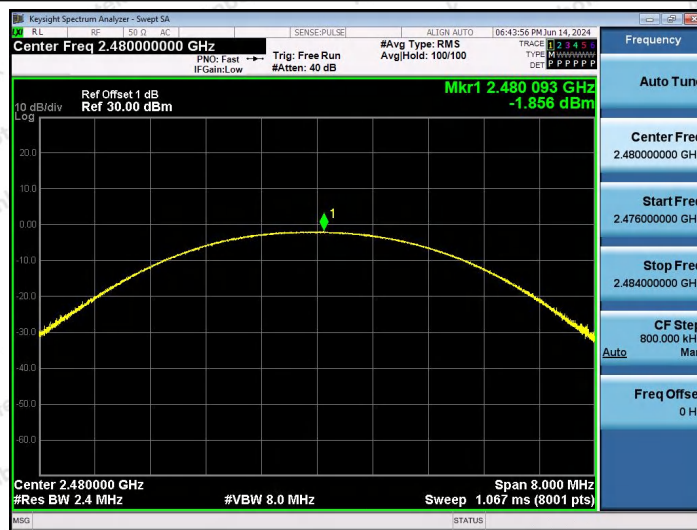
Test Graphs Peak



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



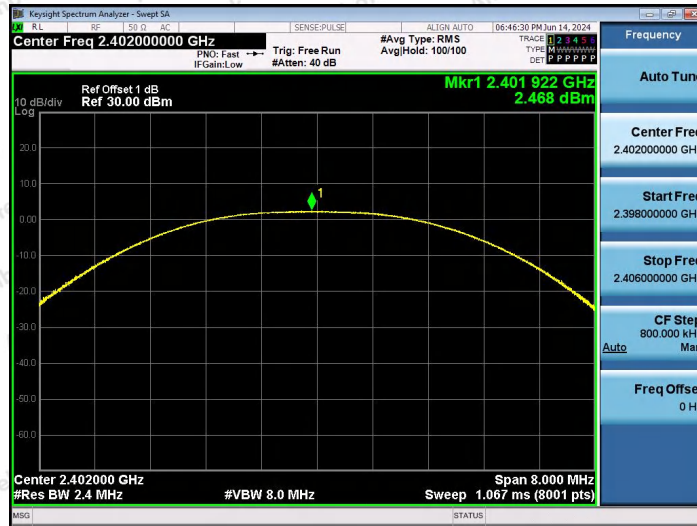
BLE_1M-Ant1-2480-PASS

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BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-13.97	≤8.00	PASS
BLE_1M	Ant1	2440	-15.47	≤8.00	PASS
BLE_1M	Ant1	2480	-18.16	≤8.00	PASS
BLE_2M	Ant1	2402	-18.72	≤8.00	PASS
BLE_2M	Ant1	2440	-19.98	≤8.00	PASS
BLE_2M	Ant1	2480	-22.64	≤8.00	PASS

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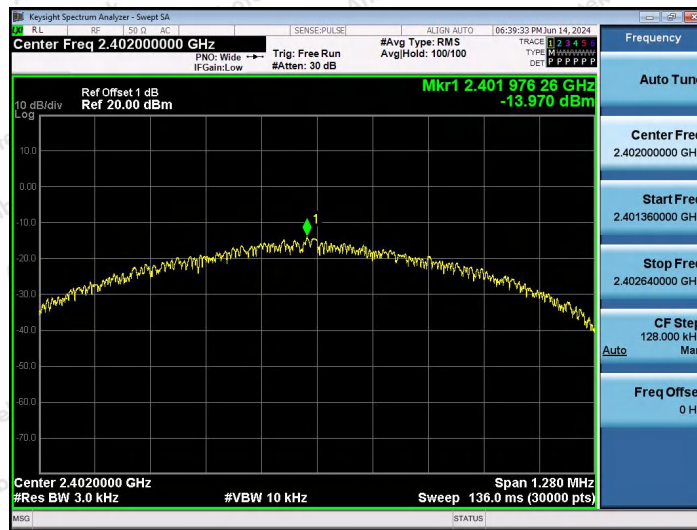
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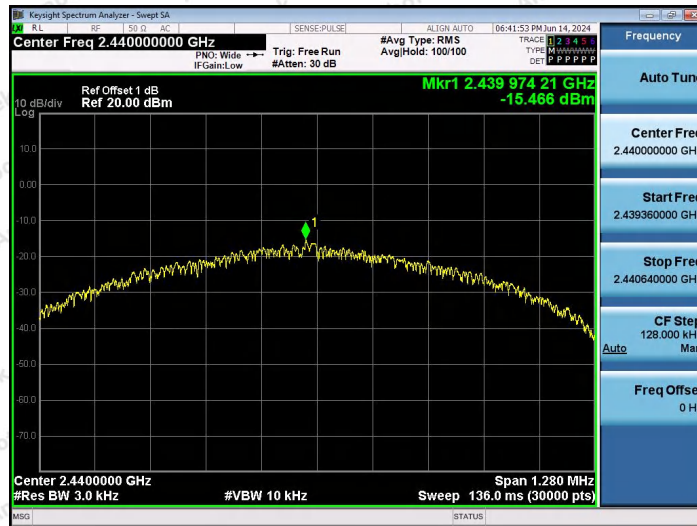
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Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2440-PASS



BLE_1M-Ant1-2480-PASS

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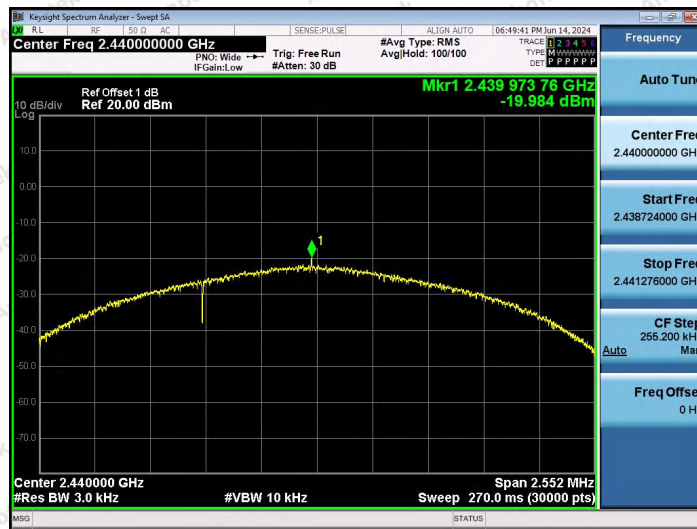
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BLE_2M-Ant1-2402-PASS



BLE_2M-Ant1-2440-PASS



BLE_2M-Ant1-2480-PASS

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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	Channel	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	0.81	-54.62	≤-19.19	PASS
BLE_1M	Ant1	High	2480	-3.64	-56.58	≤-23.64	PASS
BLE_2M	Ant1	Low	2402	-0.59	-46.4	≤-20.59	PASS
BLE_2M	Ant1	High	2480	-5.63	-55.77	≤-25.63	PASS

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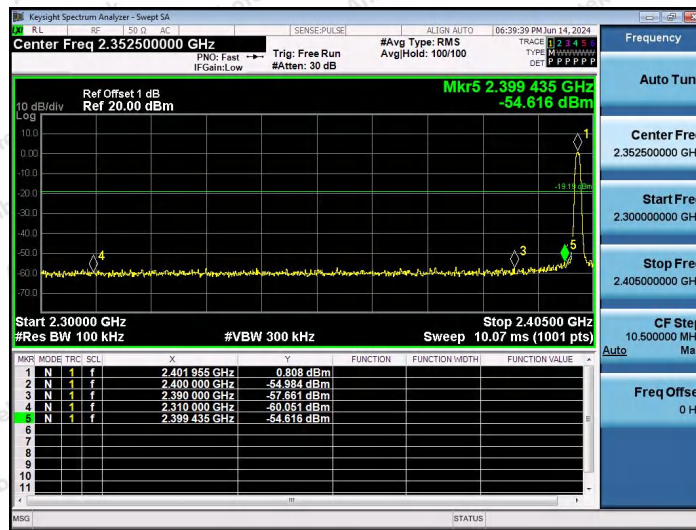
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



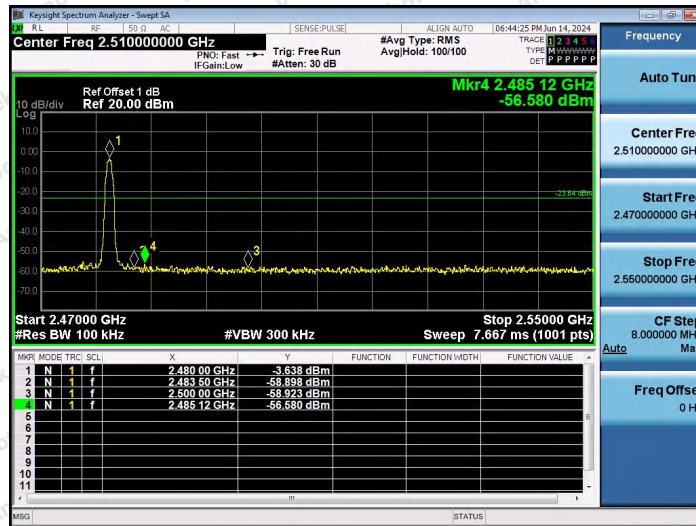
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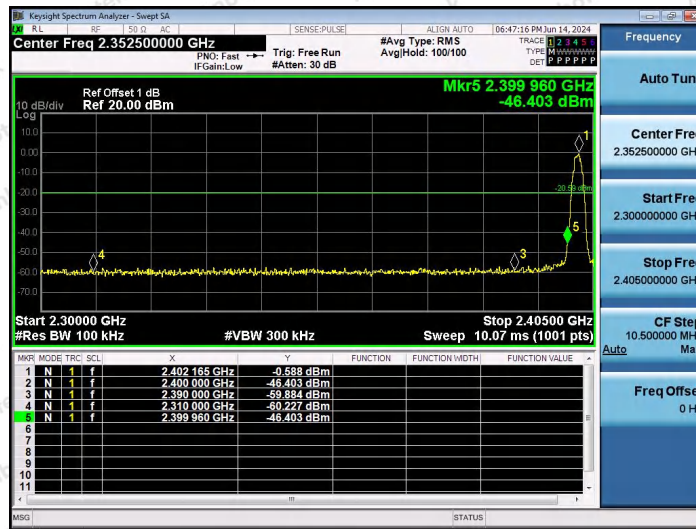
Test Graphs



BLE_1M-Ant1-2402-PASS



BLE_1M-Ant1-2480-PASS



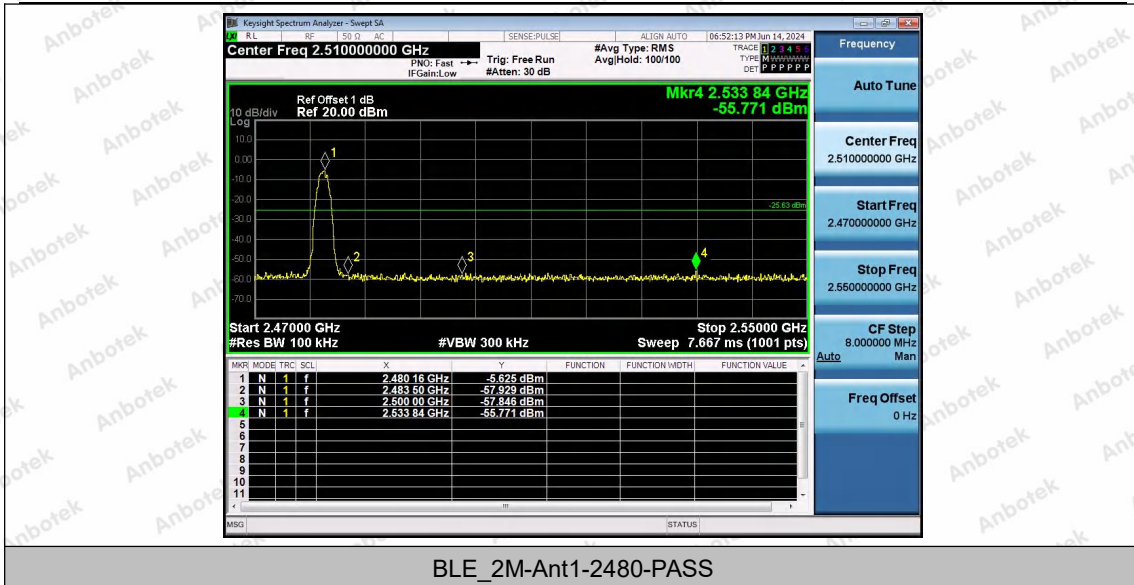
BLE_2M-Ant1-2402-PASS

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BLE_2M-Ant1-2480-PASS

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Appendix F: Conducted Spurious Emission

Test Result

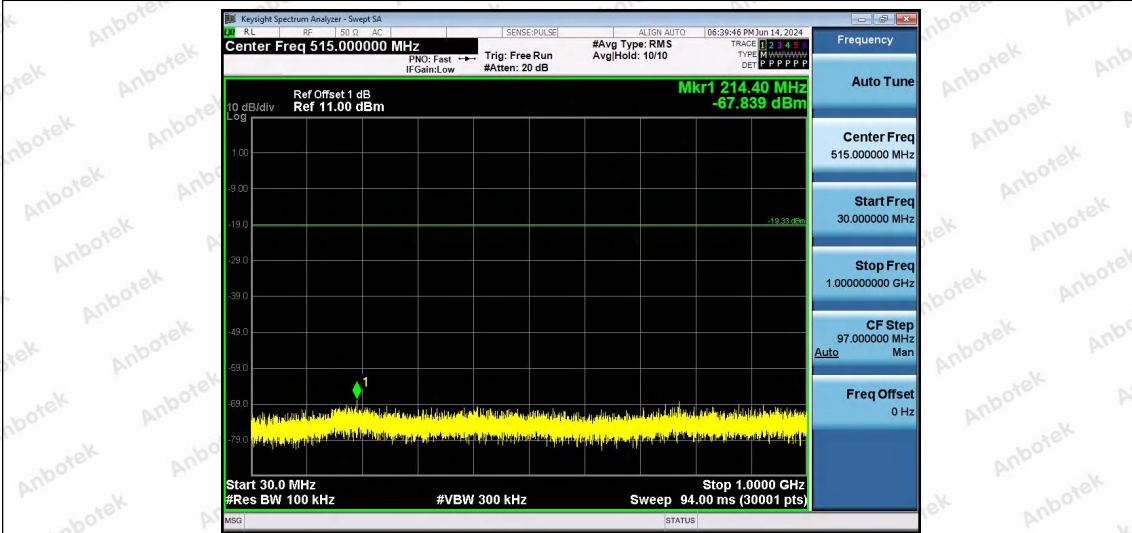
TestMode	Antenna	Frequency[MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	0~Reference	0.67	0.67	---	PASS
BLE_1M	Ant1	2402	30~1000	0.67	-67.84	≤-19.33	PASS
BLE_1M	Ant1	2402	1000~26500	0.67	-53.95	≤-19.33	PASS
BLE_1M	Ant1	2440	0~Reference	-1.26	-1.26	---	PASS
BLE_1M	Ant1	2440	30~1000	-1.26	-68.11	≤-21.26	PASS
BLE_1M	Ant1	2440	1000~26500	-1.26	-52.84	≤-21.26	PASS
BLE_1M	Ant1	2480	0~Reference	-4.33	-4.33	---	PASS
BLE_1M	Ant1	2480	30~1000	-4.33	-68.51	≤-24.33	PASS
BLE_1M	Ant1	2480	1000~26500	-4.33	-53.23	≤-24.33	PASS
BLE_2M	Ant1	2402	0~Reference	-2.05	-2.05	---	PASS
BLE_2M	Ant1	2402	30~1000	-2.05	-69.04	≤-22.05	PASS
BLE_2M	Ant1	2402	1000~26500	-2.05	-53.92	≤-22.05	PASS
BLE_2M	Ant1	2440	0~Reference	-3.45	-3.45	---	PASS
BLE_2M	Ant1	2440	30~1000	-3.45	-69.04	≤-23.45	PASS
BLE_2M	Ant1	2440	1000~26500	-3.45	-53.7	≤-23.45	PASS
BLE_2M	Ant1	2480	0~Reference	-6.22	-6.22	---	PASS
BLE_2M	Ant1	2480	30~1000	-6.22	-68.75	≤-26.22	PASS
BLE_2M	Ant1	2480	1000~26500	-6.22	-53.41	≤-26.22	PASS



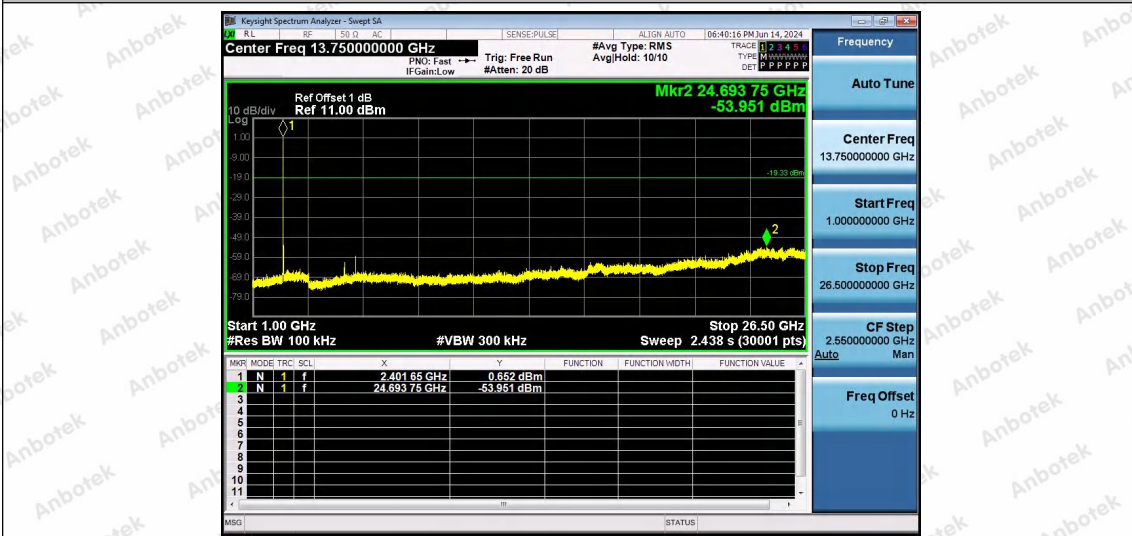
Test Graphs



BLE_1M-Ant1-2402-0~Reference-PASS



BLE_1M-Ant1-2402-30~1000-PASS



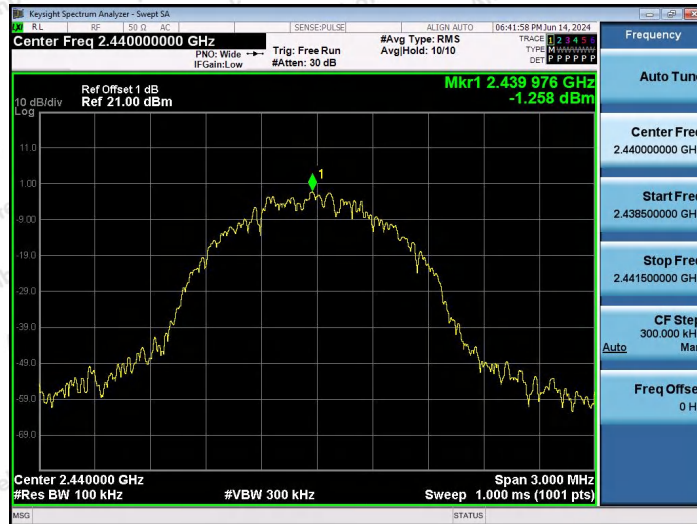
BLE_1M-Ant1-2402-1000~26500-PASS

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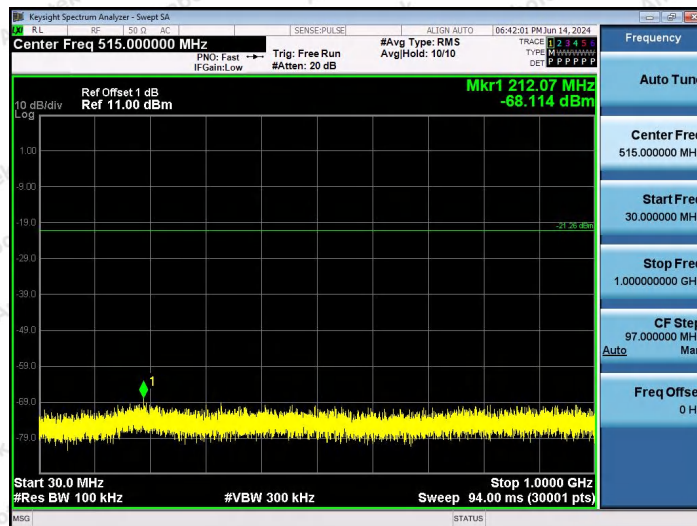
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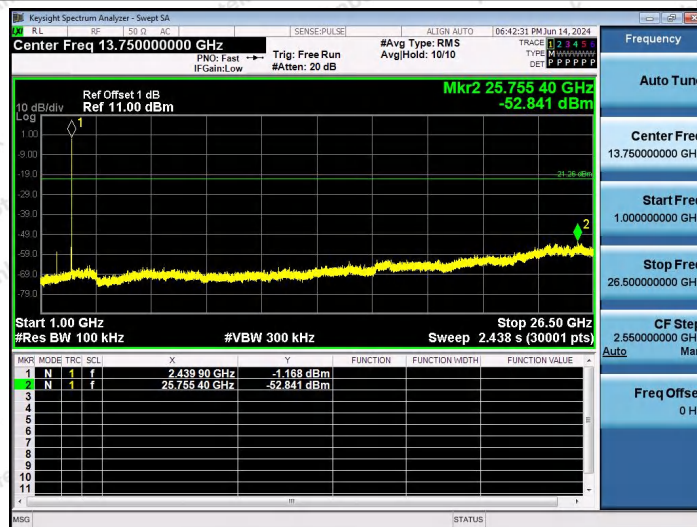




BLE_1M-Ant1-2440-0~Reference-PASS



BLE_1M-Ant1-2440-30~1000-PASS



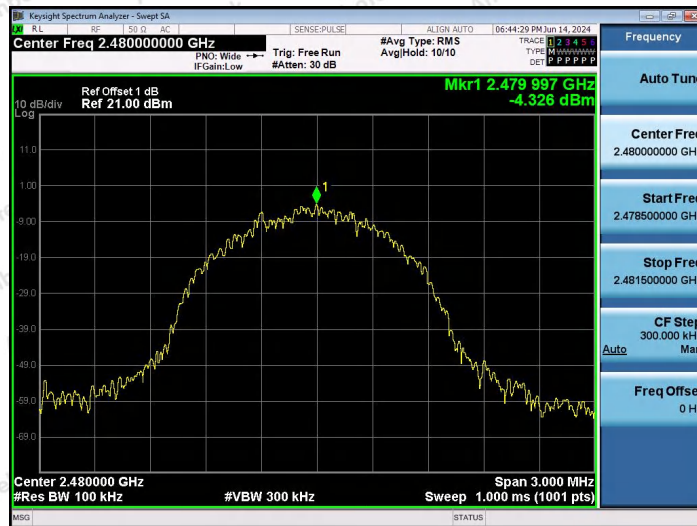
BLE_1M-Ant1-2440-1000~26500-PASS

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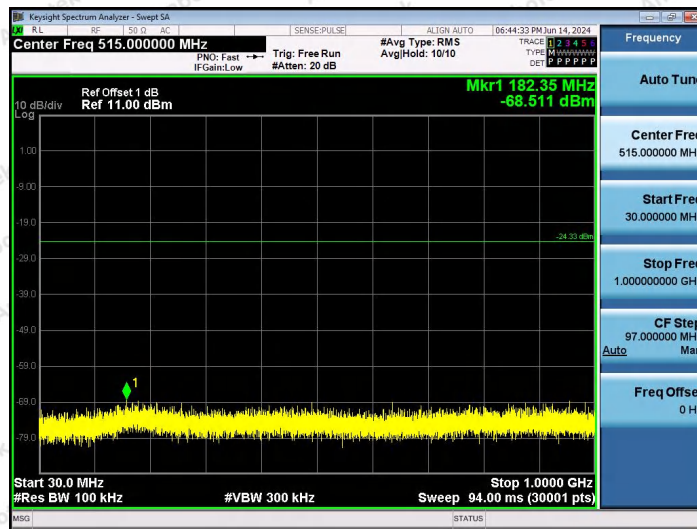
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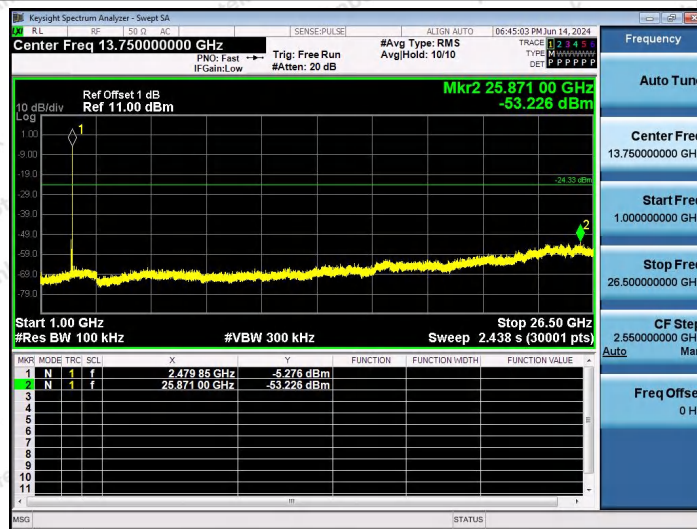




BLE_1M-Ant1-2480-0~Reference-PASS



BLE_1M-Ant1-2480-30~1000-PASS



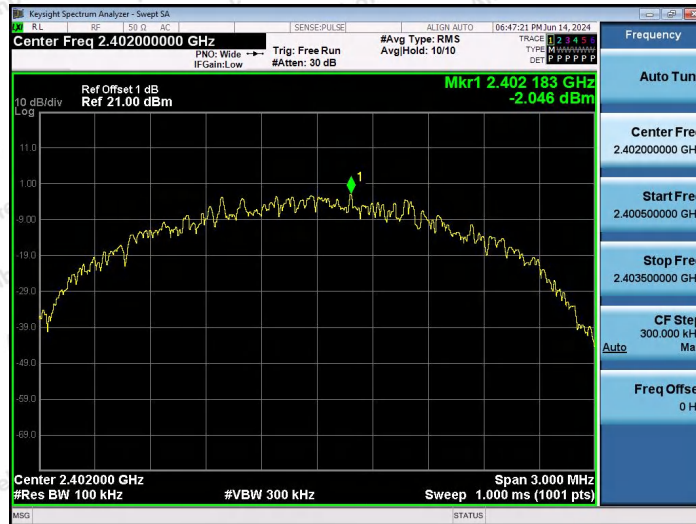
BLE_1M-Ant1-2480-1000~26500-PASS

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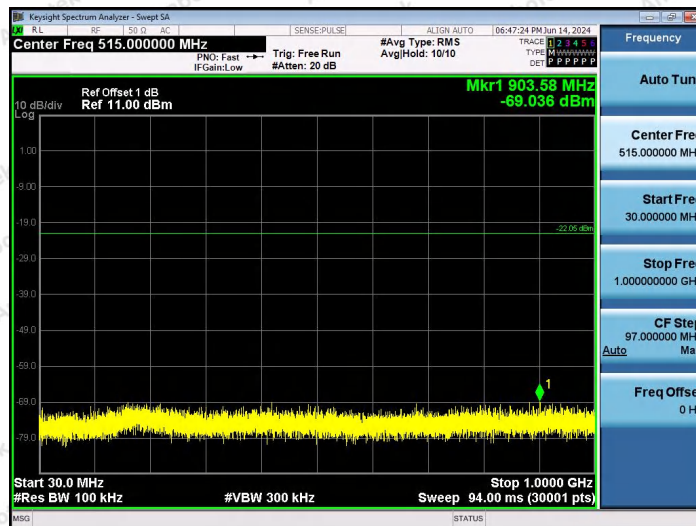
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
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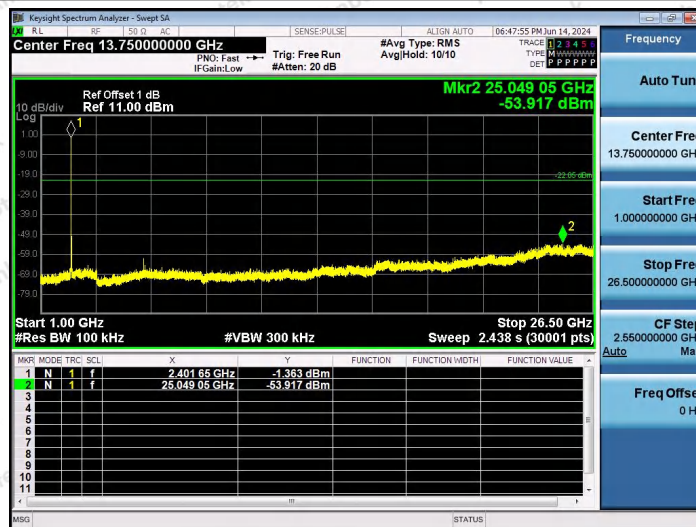




BLE_2M-Ant1-2402-0~Reference-PASS



BLE_2M-Ant1-2402-30~1000-PASS



BLE_2M-Ant1-2402-1000~26500-PASS

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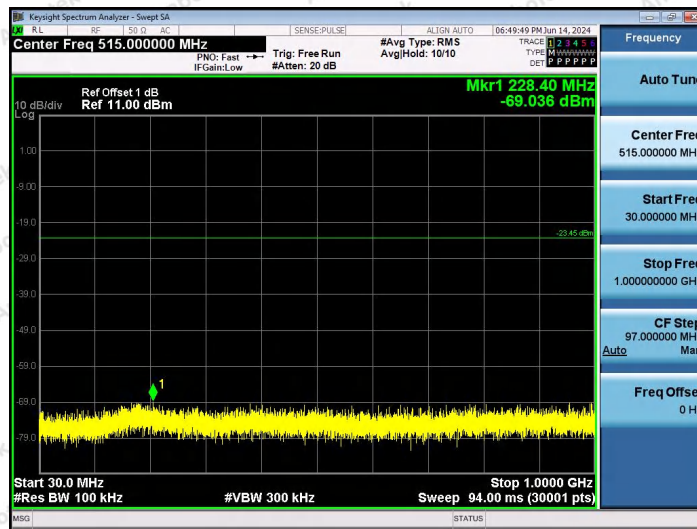
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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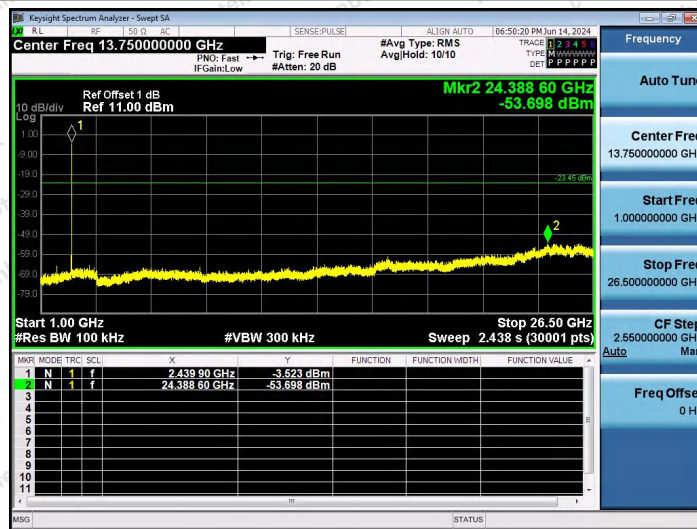




BLE_2M-Ant1-2440-0~Reference-PASS



BLE_2M-Ant1-2440-30~1000-PASS



BLE_2M-Ant1-2440-1000~26500-PASS

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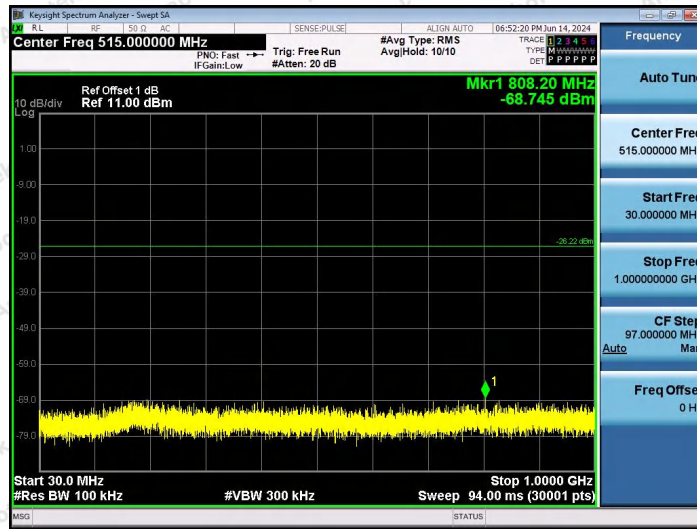
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
 Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

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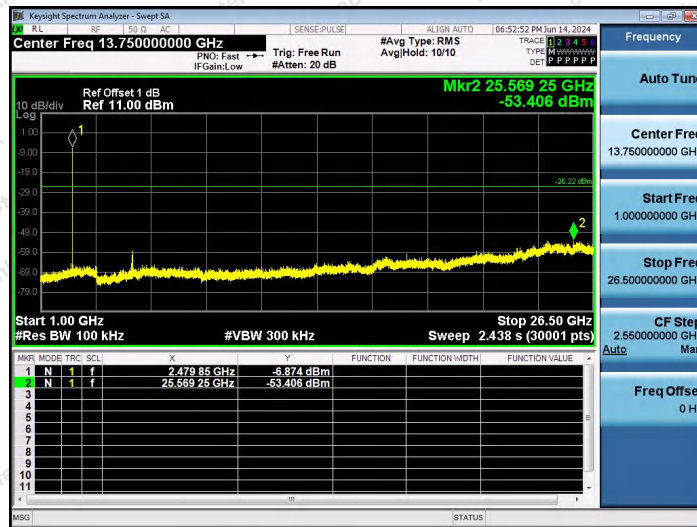




BLE_2M-Ant1-2480-0~Reference-PASS



BLE_2M-Ant1-2480-30~1000-PASS



BLE_2M-Ant1-2480-1000~26500-PASS

---End---

