

Appendix Test Data

Report No.:	18220WC10156201	Test Date:	2021.7.13
Test Engineer:	<i>Jony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	23.3C°	Relative Humidity:	56 %
Pressure:	1012 hPa		

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	0.668	2401.656	2402.324	>=0.5	PASS
		2440	0.696	2439.648	2440.344	>=0.5	PASS
		2480	0.708	2479.628	2480.336	>=0.5	PASS

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Test Graphs



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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0296	2401.488	2402.518	---	PASS
		2440	1.0273	2439.491	2440.518	---	PASS
		2480	1.0288	2479.489	2480.518	---	PASS

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Appendix C: Maximum conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	1.65	<=30	PASS
		2440	1.2	<=30	PASS
		2480	0.66	<=30	PASS

Test Graphs



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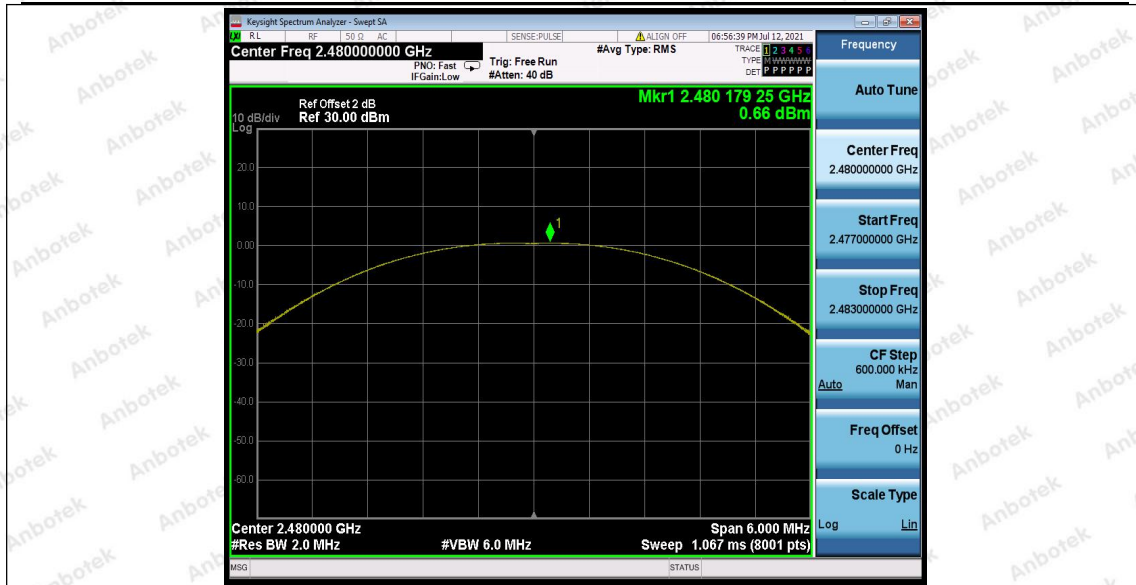
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Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
BLE_1M	Ant1	2402	-8.31	<=8	PASS
		2440	-8.8	<=8	PASS
		2480	-9.32	<=8	PASS

Test Graphs



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Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	Low	2402	1.07	-44.2	<=-18.93	PASS
		High	2480	0.05	-48.1	<=-19.95	PASS

Test Graphs



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Appendix F: Conducted Spurious Emission

Test Result

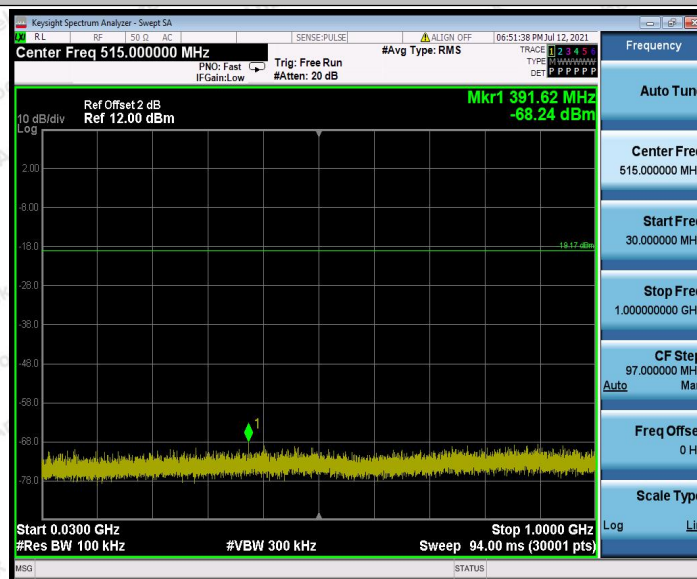
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	Reference	0.83	0.83	---	PASS
			30~1000	0.83	-68.24	<=-19.17	PASS
			1000~26500	0.83	-47.43	<=-19.17	PASS
		2440	Reference	0.46	0.46	---	PASS
			30~1000	0.46	-67.46	<=-19.55	PASS
			1000~26500	0.46	-51.48	<=-19.55	PASS
		2480	Reference	-0.22	-0.22	---	PASS
			30~1000	-0.22	-65.46	<=-20.22	PASS
			1000~26500	-0.22	-52.12	<=-20.22	PASS

Test Graphs

BLE_1M_Ant1_2402_0~Reference



BLE_1M_Ant1_2402_30~1000



BLE_1M_Ant1_2402_1000~26500

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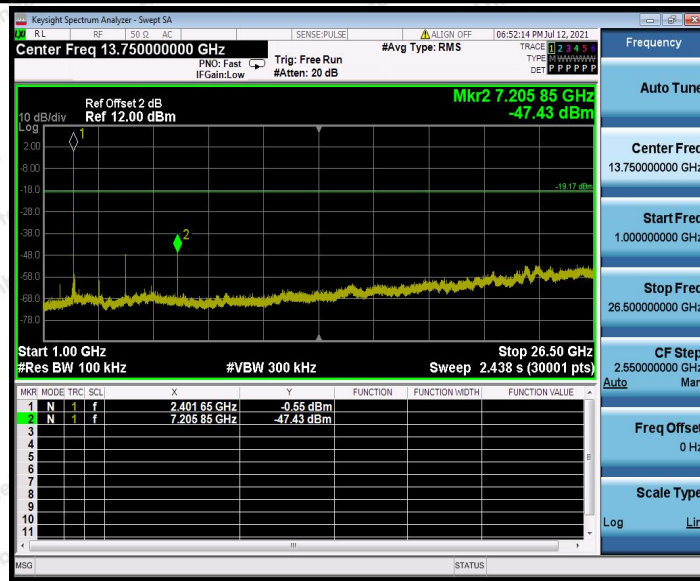
Tel: (86) 755-26066440 Fax: (86) 755-26014772 Email: service@anbotech.com



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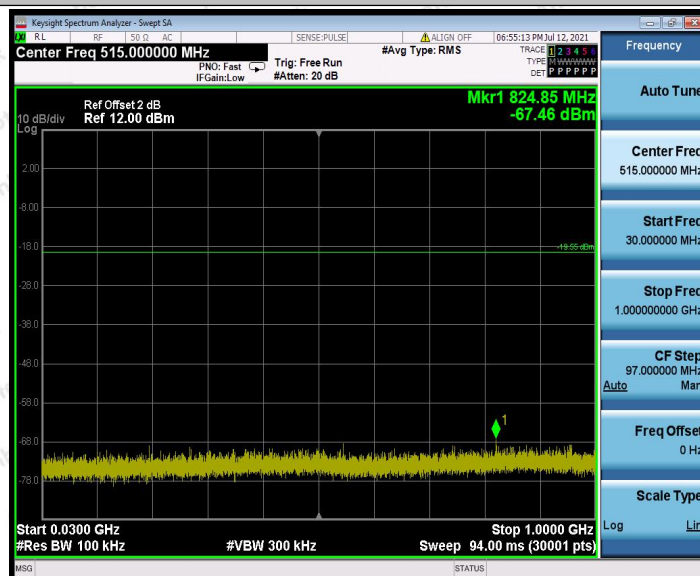
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BLE_1M_Ant1_2440_0~Reference



BLE_1M_Ant1_2440_30~1000



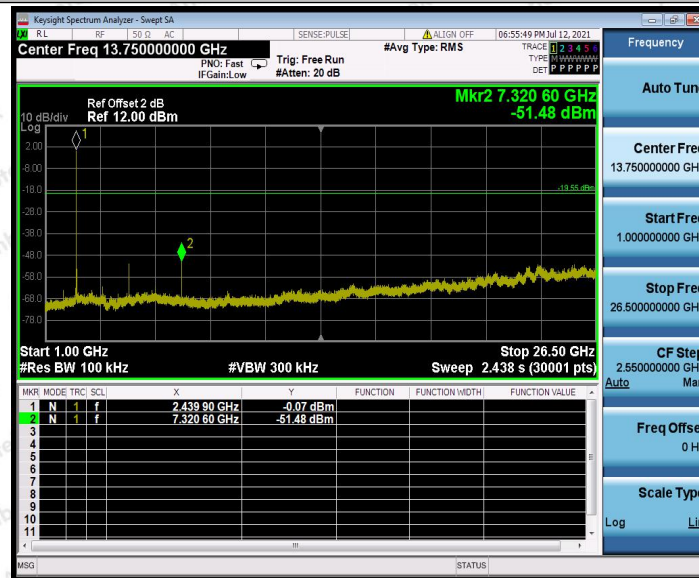
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BLE_1M_Ant1_2440_1000~26500



BLE_1M_Ant1_2480_0~Reference

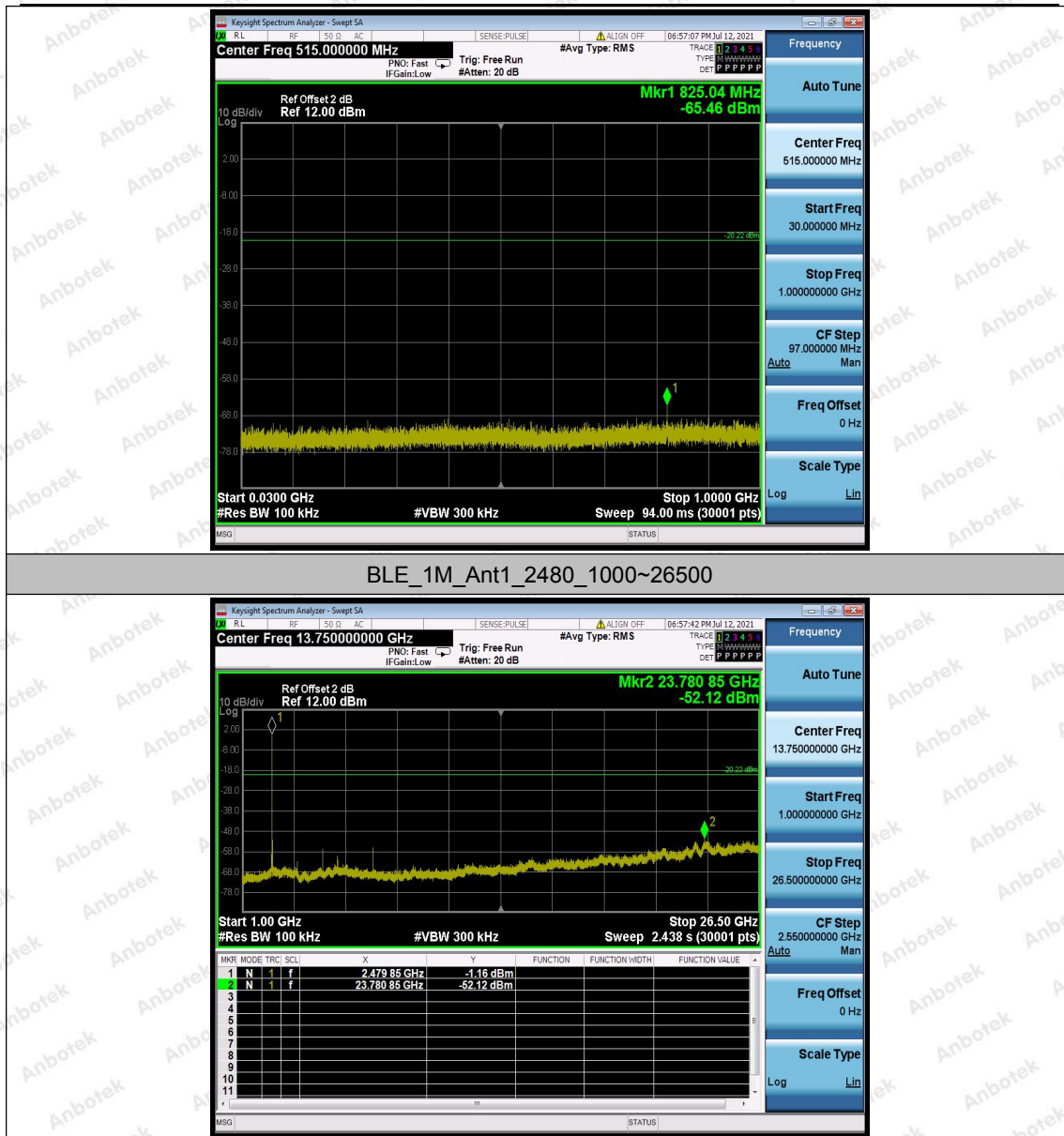


BLE_1M_Ant1_2480_30~1000

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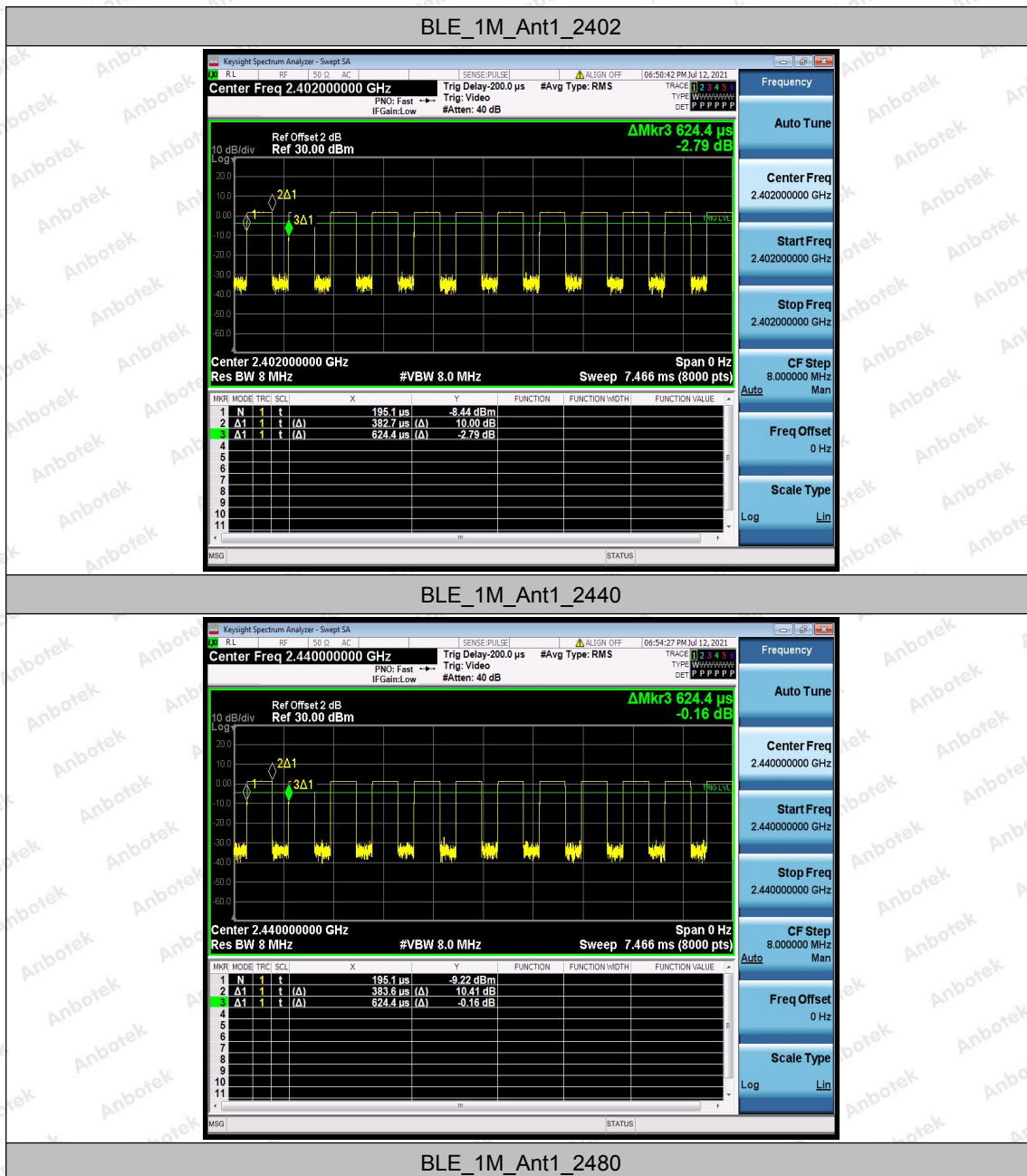
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Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_1M	Ant1	2402	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2440	0.38	0.62	0.6129	61.29	2.13	---	PASS
		2480	0.38	0.63	0.6032	60.32	2.20	---	PASS

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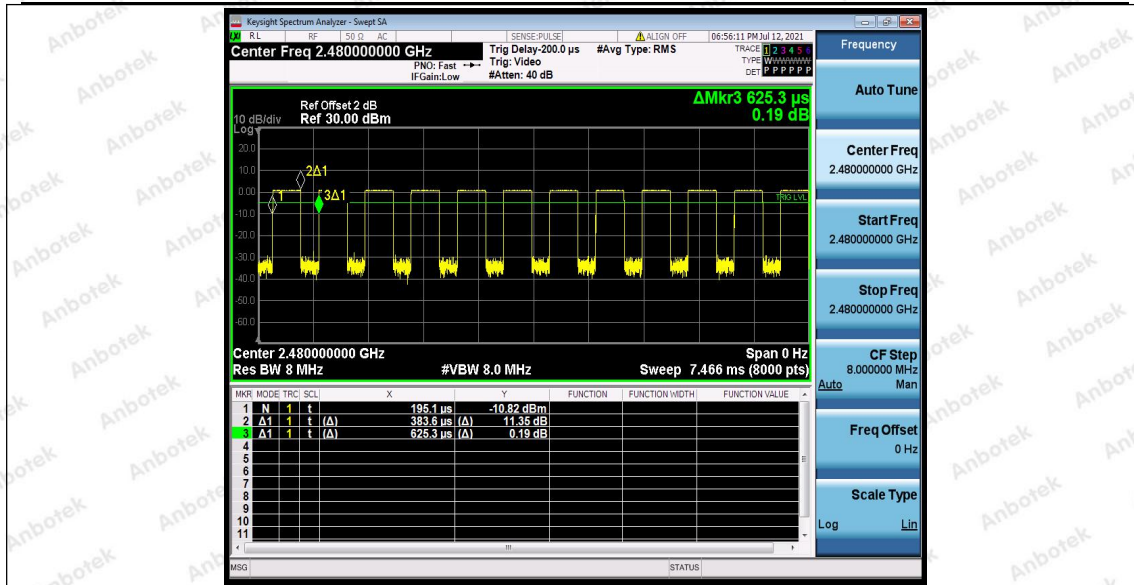
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