

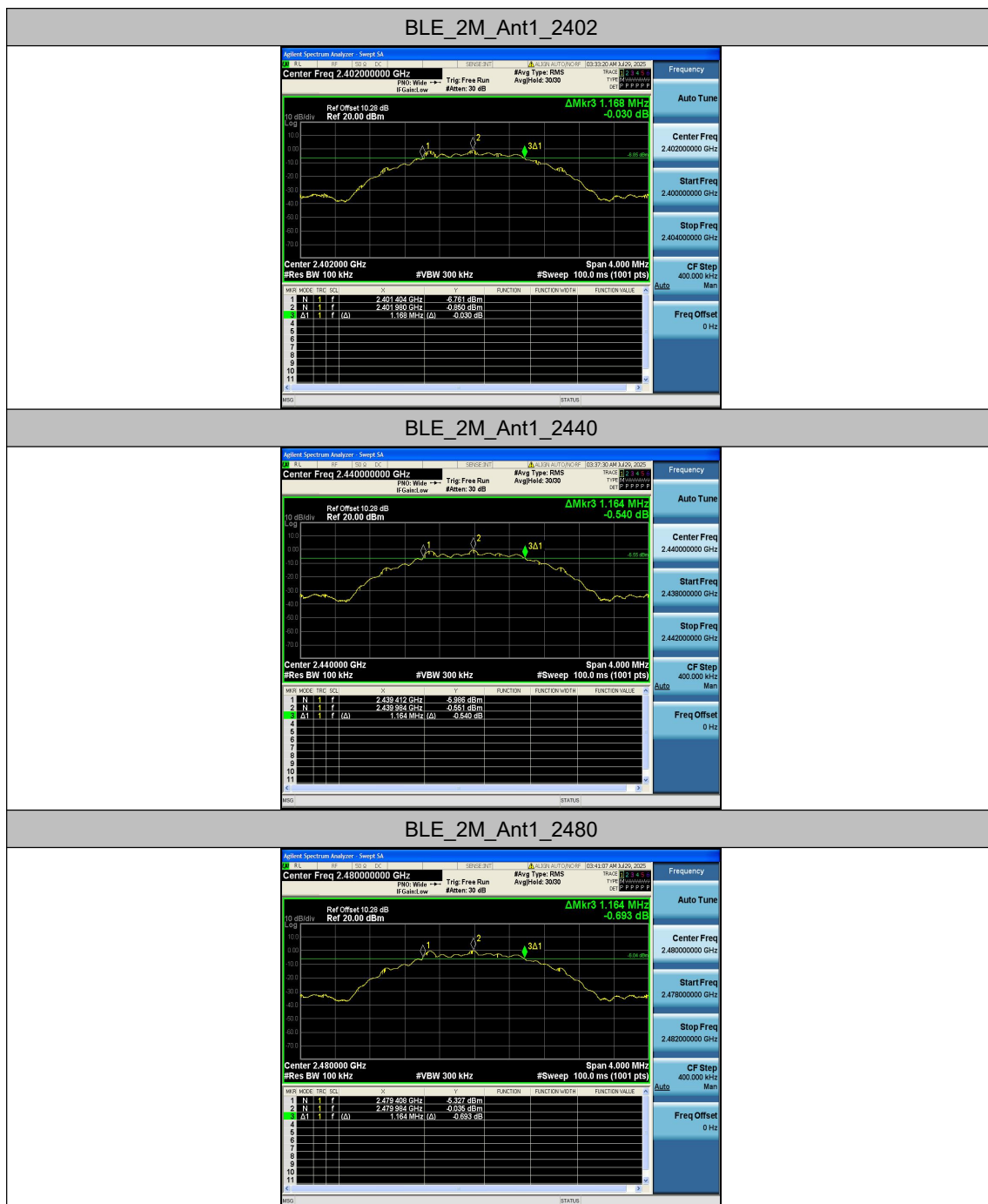
Appendix I BLE Test Data**Applicant:** Guangzhou Little Sea Monster Technology Co., Ltd**Report No:** DLE-250807032R**EUT:** Magnetofluid Speaker**M/N:** XHG-AM400**Standard:**FCC Part15 Subpart C, Section 15.247**Test Power Supply:** DC 7.4V**Ambient Condition:** 24.7 °C, 52 %RH, 101.325 kPa**Test Date:** 2025.07.29**Test Engineer:** Ken Tan*Ken Tan*

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_2M	Ant1	2402	1.168	2401.404	2402.572	0.5	PASS
		2440	1.164	2439.412	2440.576	0.5	PASS
		2480	1.164	2479.408	2480.572	0.5	PASS

Test Graphs



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_2M	Ant1	2402	2.0557	2400.9731	2403.0288	---	---
		2440	2.0656	2438.9765	2441.0421	---	---
		2480	2.0531	2478.9769	2481.0300	---	---

Test Graphs



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
BLE_2M	Ant1	2402	0.61	≤30	PASS
		2440	0.89	≤30	PASS
		2480	1.46	≤30	PASS

Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE_2M	Ant1	2402	-16.78	≤8.00	PASS
		2440	-16.24	≤8.00	PASS
		2480	-15.94	≤8.00	PASS

Test Graphs

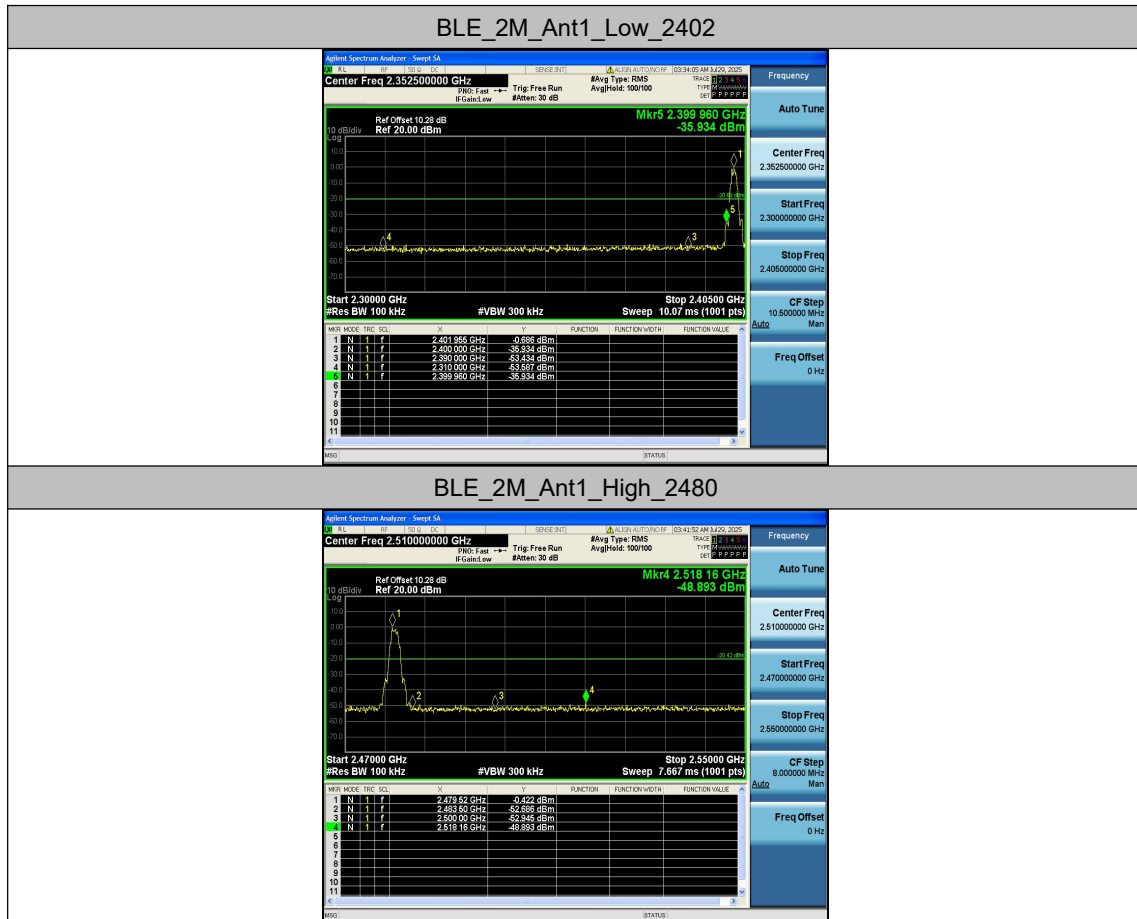


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	Low	2402	-0.69	-35.93	≤-20.69	PASS
		High	2480	-0.42	-48.89	≤-20.42	PASS

Test Graphs



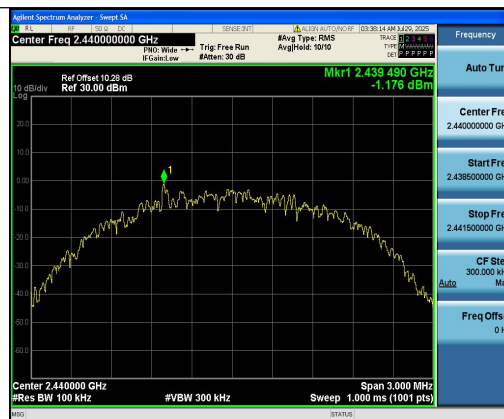
Appendix F: Conducted Spurious Emission

Test Result

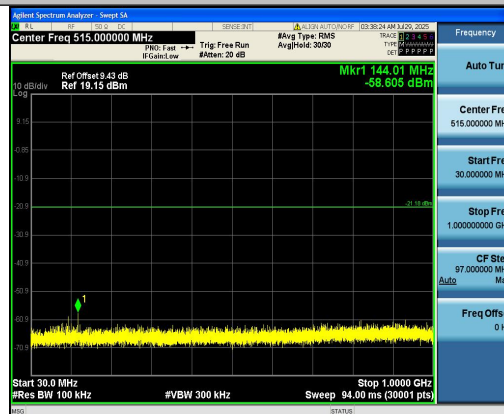
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE_2M	Ant1	2402	Reference	-1.64	-1.64	---	PASS
			30~1000	-1.64	-60.39	≤-21.64	PASS
			1000~26500	-1.64	-33.2	≤-21.64	PASS
		2440	Reference	-1.18	-1.18	---	PASS
			30~1000	-1.18	-58.61	≤-21.18	PASS
			1000~26500	-1.18	-33.76	≤-21.18	PASS
		2480	Reference	-2.17	-2.17	---	PASS
			30~1000	-2.17	-58.87	≤-22.17	PASS
			1000~26500	-2.17	-37.83	≤-22.17	PASS

Test Graphs

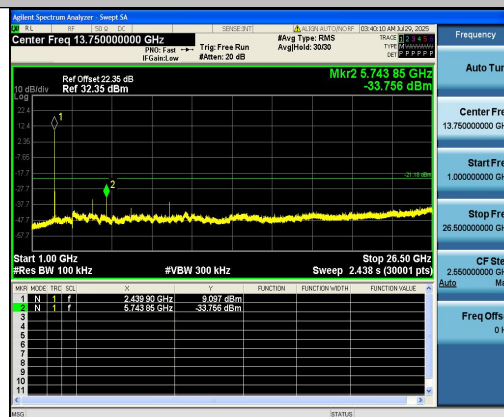




BLE_2M_Ant1_2440_30~1000



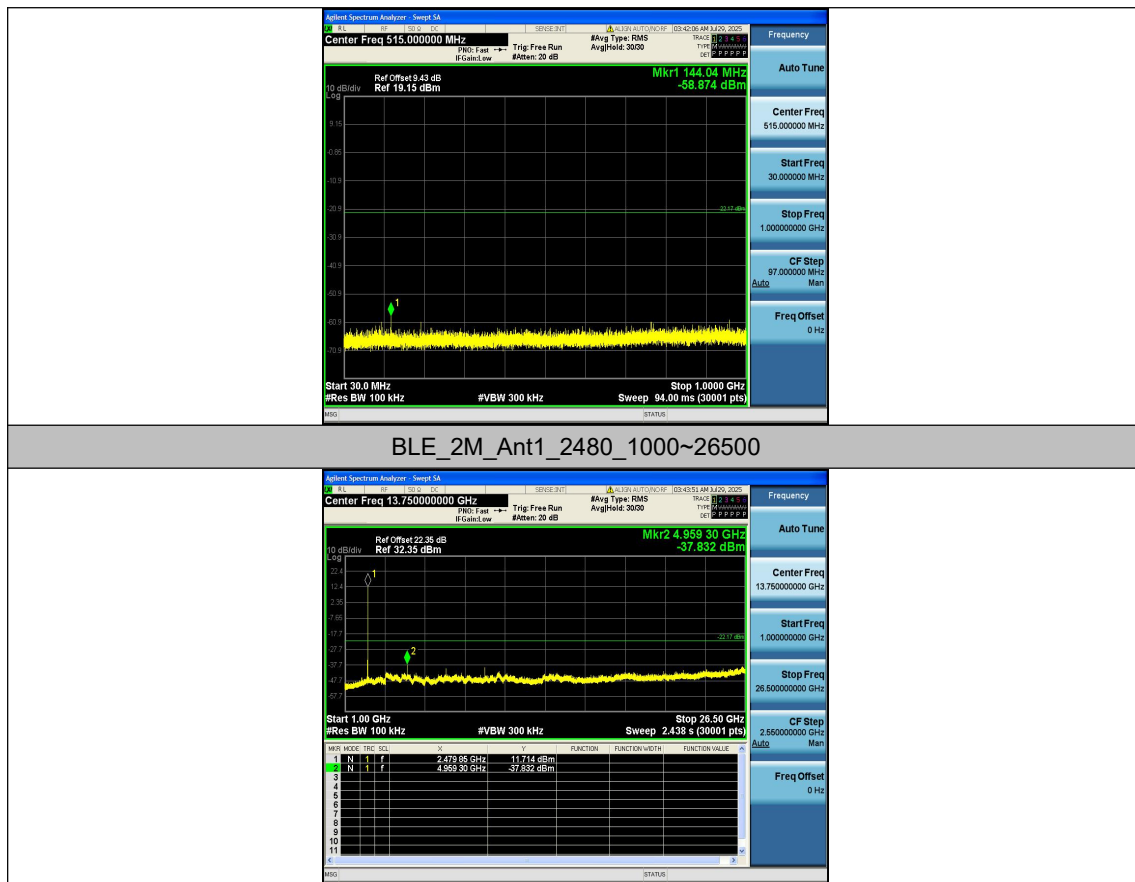
BLE_2M_Ant1_2440_1000~26500



BLE_2M_Ant1_2480_0~Reference



BLE_2M_Ant1_2480_30~1000



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE_2M	Ant1	2402	1.07	1.25	0.8560	85.60	0.68	---	---
		2440	1.08	1.25	0.8640	86.40	0.63	---	---
		2480	1.08	1.25	0.8640	86.40	0.63	---	---

Test Graphs

