

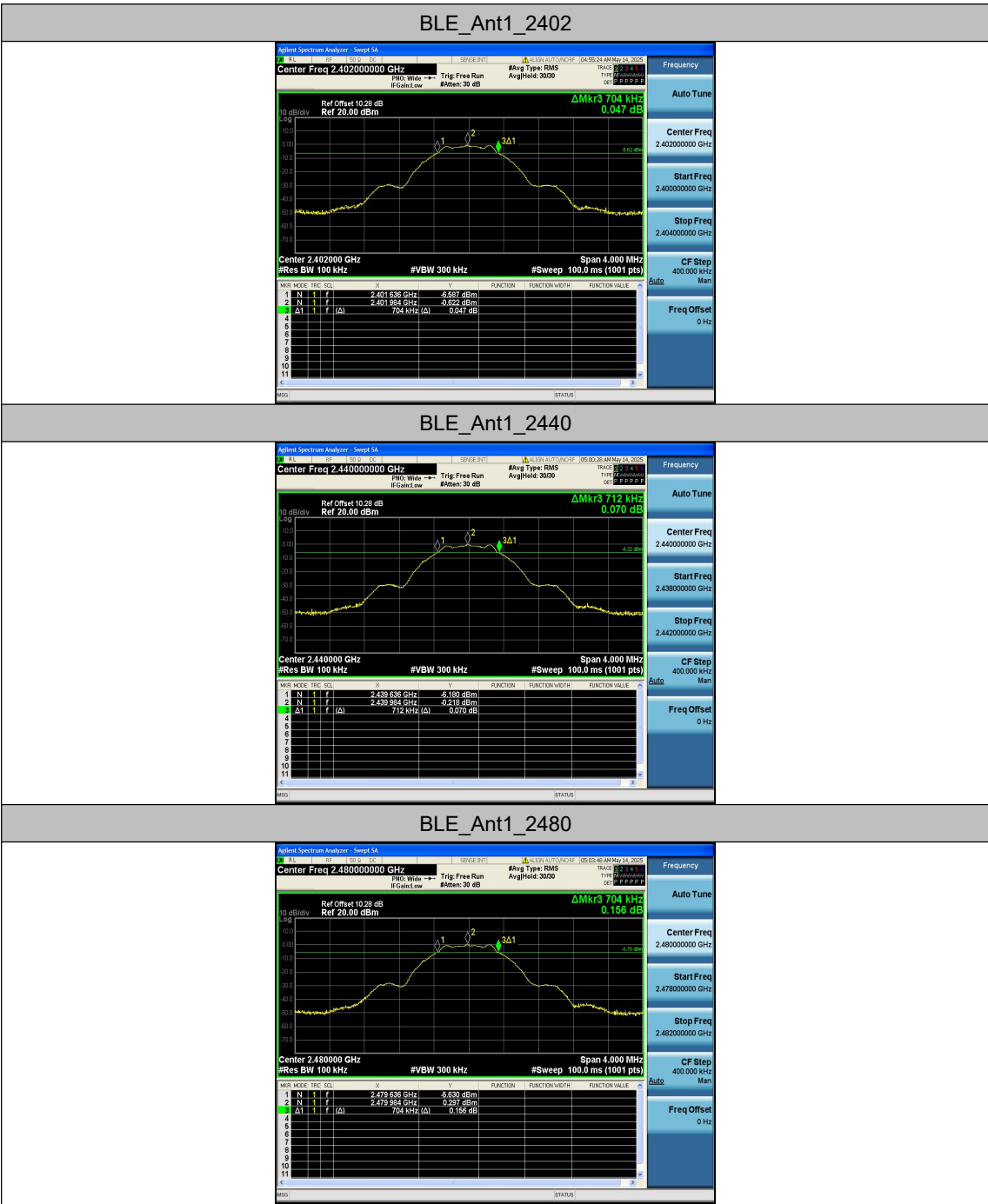
Appendix I BLE Test Data**Applicant:** Shenzhen huadai technology co., ltd**Report No.:** DLE-250512042R**EUT:** Smart Watch**M/N:** HD21**Standard:**FCC Part15 Subpart C, Section 15.247**Test Power Supply:** DC 3.85V**Ambient Condition:** 25 °C, 45 %RH, 101.325 kPa**Test Date:** 2025-05-14**Test Engineer:** Alisa Song

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	0.704	2401.636	2402.340	0.5	PASS
		2440	0.712	2439.636	2440.348	0.5	PASS
		2480	0.704	2479.636	2480.340	0.5	PASS

Test Graphs

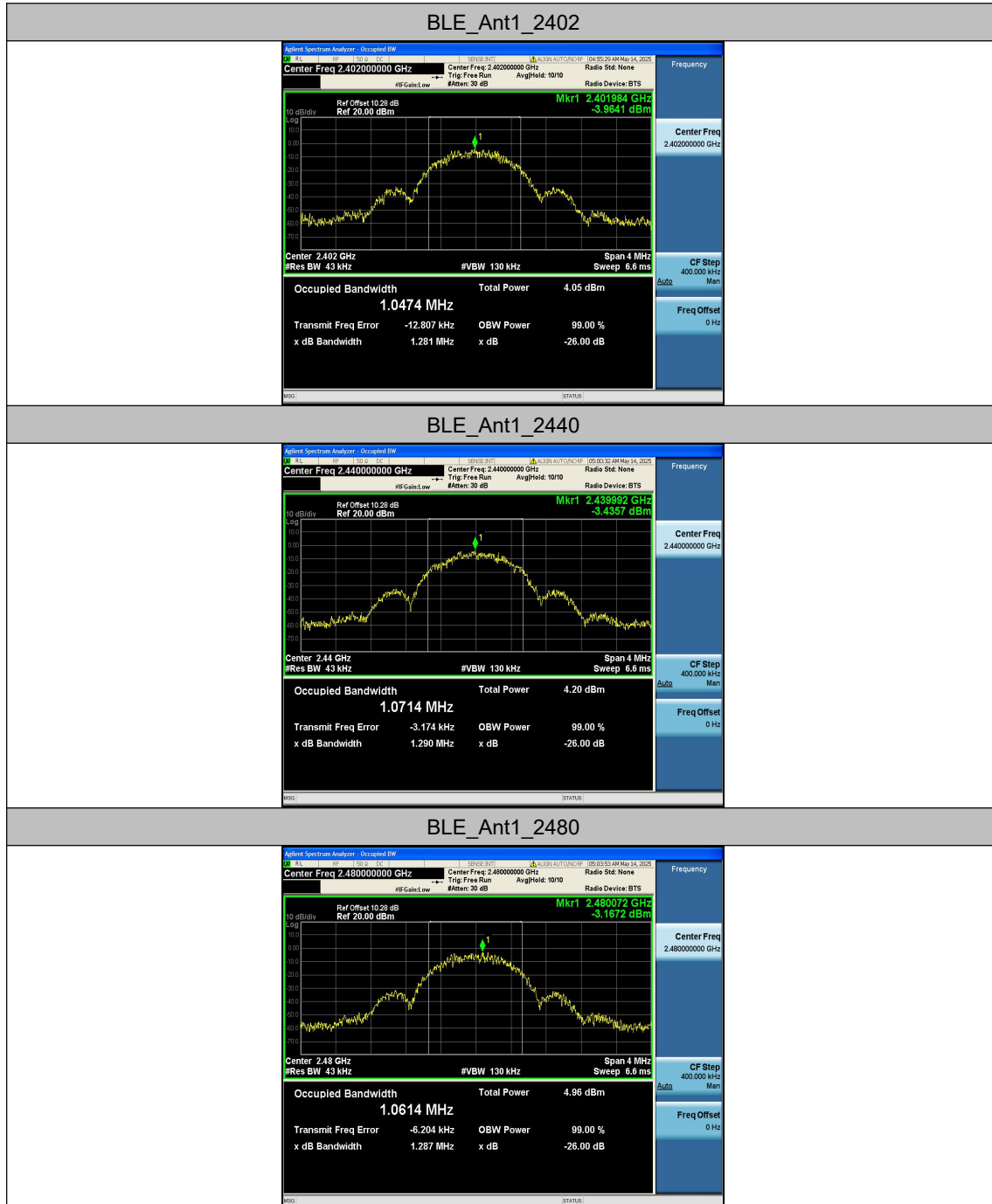


Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE	Ant1	2402	1.0474	2401.4635	2402.5109	---	---
		2440	1.0714	2439.4611	2440.5325	---	---
		2480	1.0614	2479.4631	2480.5245	---	---

Test Graphs



Appendix C: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Channel	Conducted Peak Power[dBm]	Conducted Limit[dBm]
BLE	Ant1	2402	0.47	≤30
		2440	0.87	≤30
		2480	1.36	≤30

Test Graphs Peak



Appendix D: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
BLE	Ant1	2402	-15.05	≤8.00	PASS
		2440	-14.64	≤8.00	PASS
		2480	-14.38	≤8.00	PASS

Test Graphs

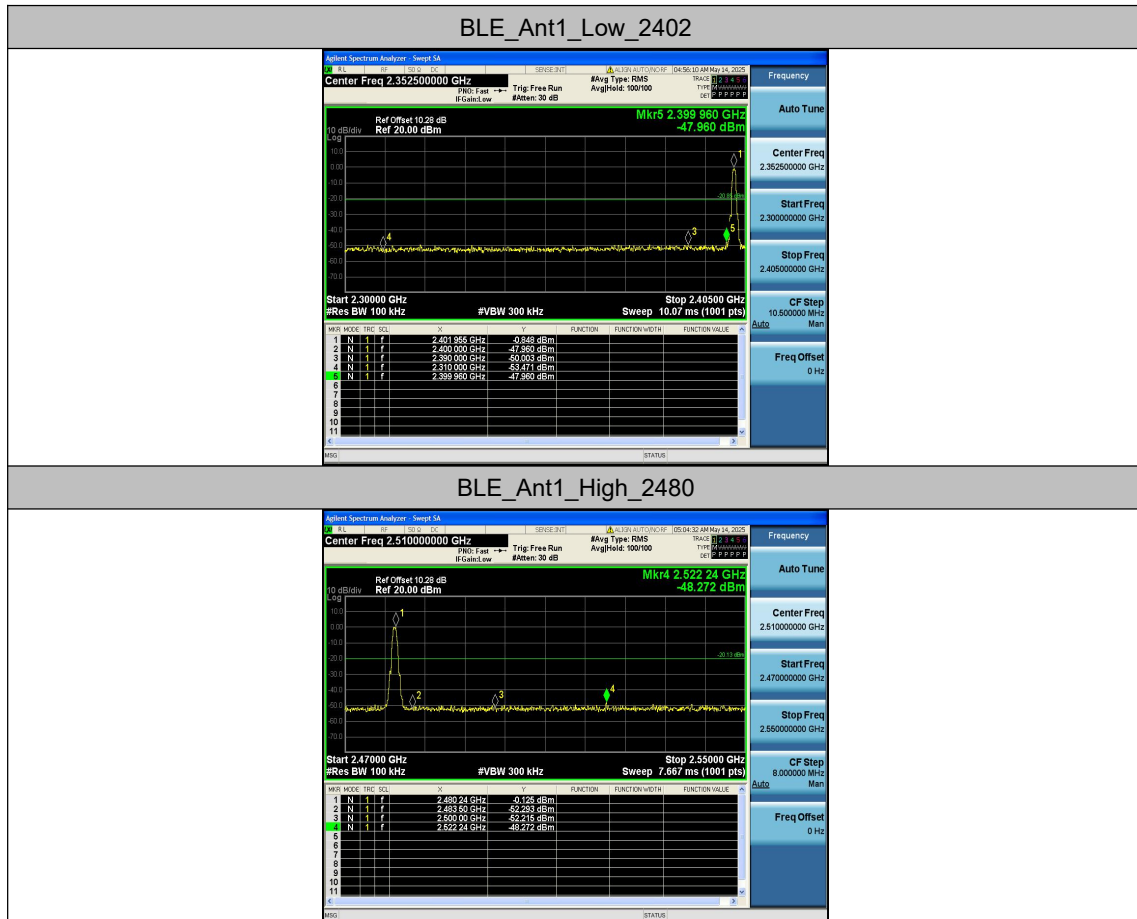


Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	Low	2402	-0.85	-47.96	≤ -20.85	PASS
		High	2480	-0.13	-48.27	≤ -20.13	PASS

Test Graphs



Appendix F: Conducted Spurious Emission

Test Result

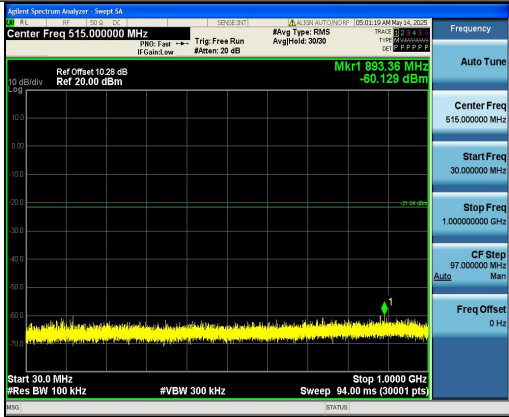
TestMode	Antenna	Channel	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
BLE	Ant1	2402	Reference	-0.88	-0.88	---	PASS
			30~1000	-0.88	-59.35	≤-20.88	PASS
			1000~26500	-0.88	-41.96	≤-20.88	PASS
		2440	Reference	-1.64	-1.64	---	PASS
			30~1000	-1.64	-60.13	≤-21.64	PASS
			1000~26500	-1.64	-42.8	≤-21.64	PASS
		2480	Reference	-0.52	-0.52	---	PASS
			30~1000	-0.52	-59.07	≤-20.52	PASS
			1000~26500	-0.52	-44.91	≤-20.52	PASS

Test Graphs





BLE_Ant1_2440_30~1000



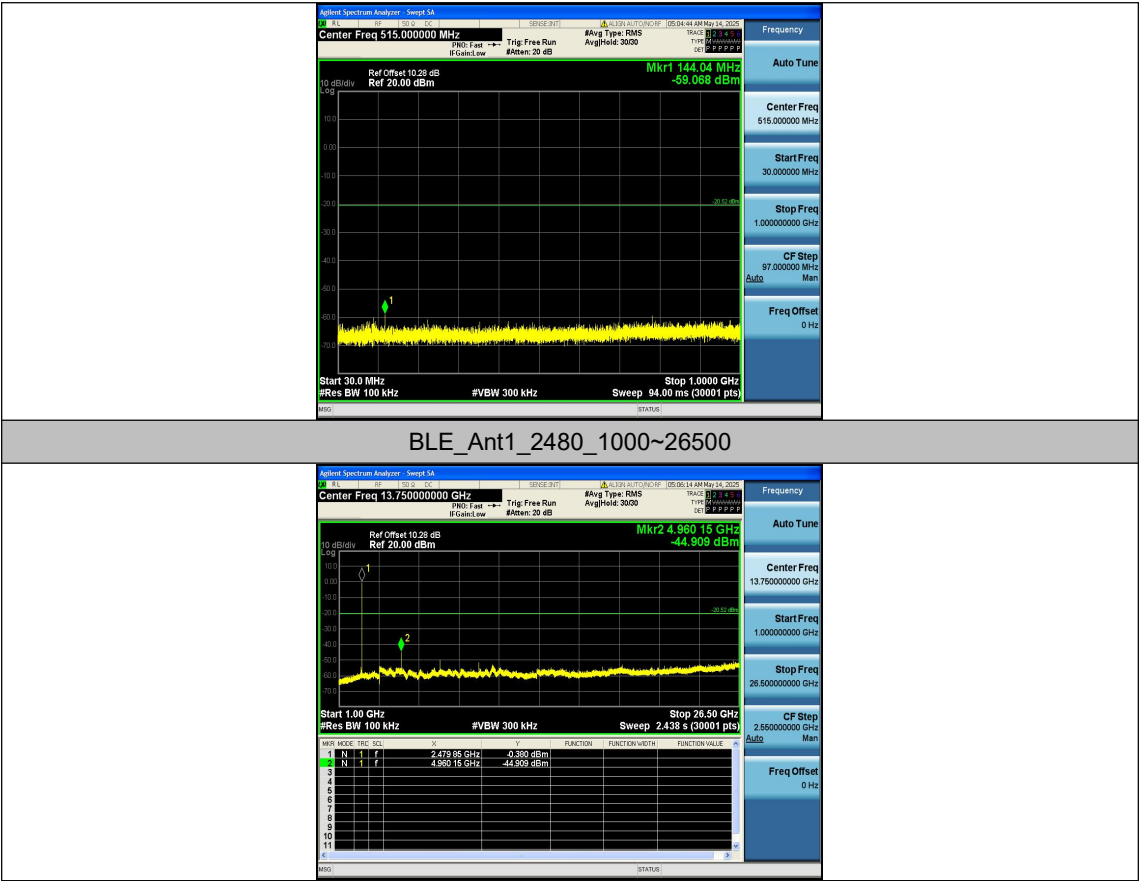
BLE_Ant1_2440_1000~26500



BLE_Ant1_2480_0~Reference



BLE_Ant1_2480_30~1000



Appendix G: Duty Cycle

Test Result

TestMode	Antenna	Channel	ON Time [ms]	Period [ms]	X	DC [%]	xFactor	Limit	Verdict
BLE	Ant1	2402	2.13	2.50	0.8520	85.20	0.70	---	---
		2440	2.13	2.50	0.8520	85.20	0.70	---	---
		2480	2.13	2.50	0.8520	85.20	0.70	---	---

Test Graphs

