

Case No. : <u>GTS20250519007-4-02</u>
Ambient Condition: <u>22</u> °C, <u>51</u> %RH
According Standard: ■Part15C
Test Date: <u>2025.6.18-2025.8.18</u> Test Engineer: <u>Evan ouyang</u>

Appendix B.1: DTS Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2405	1.384	2404.232	2405.616	0.5	PASS
		2441	1.260	2440.312	2441.572	0.5	PASS
		2475	1.376	2474.252	2475.628	0.5	PASS

Test Graphs



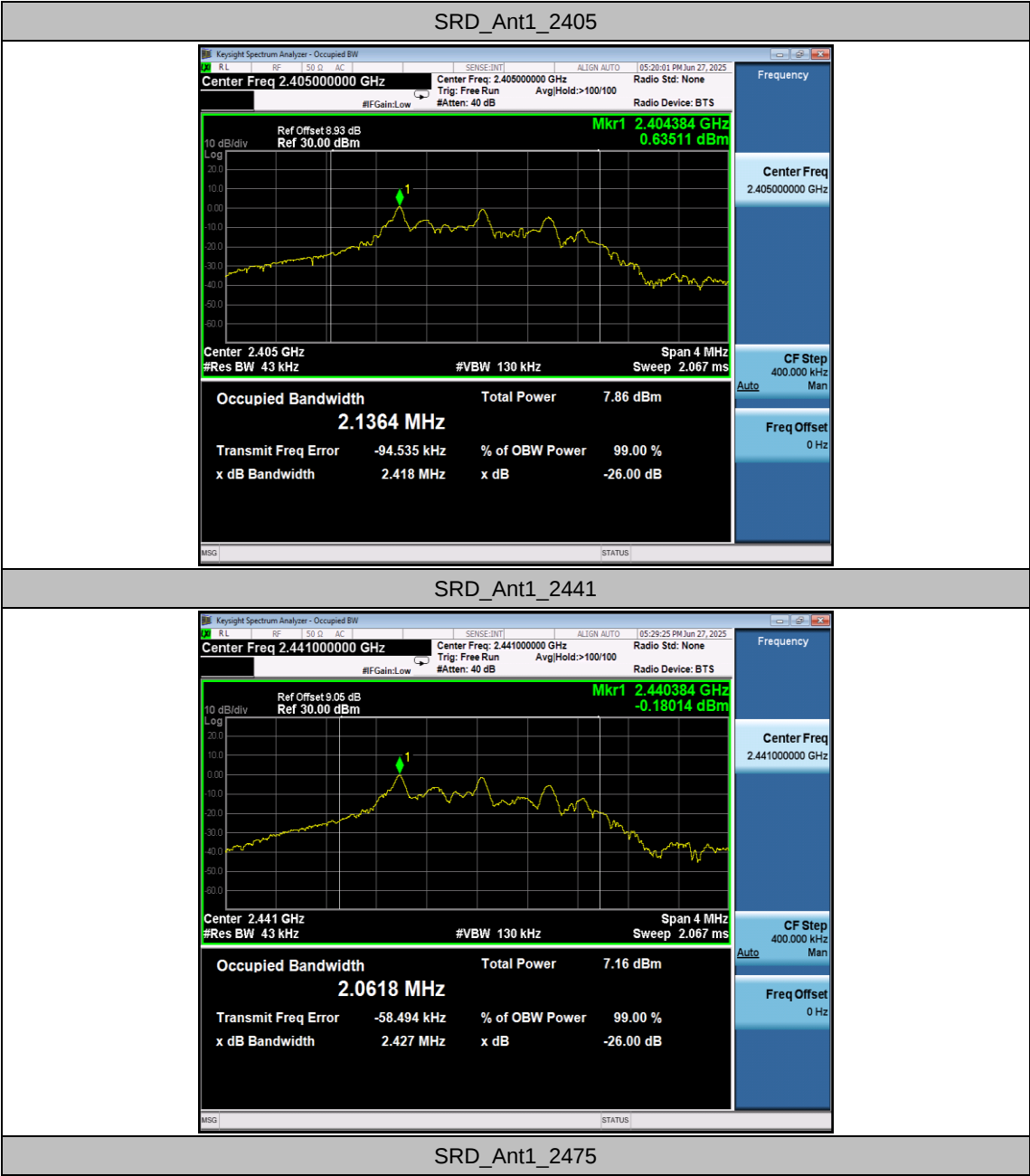


Appendix B.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
SRD	Ant1	2405	2.0980	2403.8889	2405.9869	---	---
		2441	2.0638	2439.9044	2441.9682	---	---
		2475	2.0678	2473.9060	2475.9738	---	---

Test Graphs





Appendix B.3: Maximum conducted output power

Test Result Peak

TestMode	Antenna	Freq(MHz)	Conducted Peak Power[dBm]	Conducted Limit[dBm]	Verdict
SRD	Ant1	2405	0.77	≤30	PASS
		2441	0.08	≤30	PASS
		2475	-0.20	≤30	PASS

Appendix B.4: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
SRD	Ant1	2405	-4.52	≤8.00	PASS
		2441	-5.26	≤8.00	PASS
		2475	-5.57	≤8.00	PASS

Test Graphs

SRD_Ant1_2405



SRD_Ant1_2441



SRD_Ant1_2475

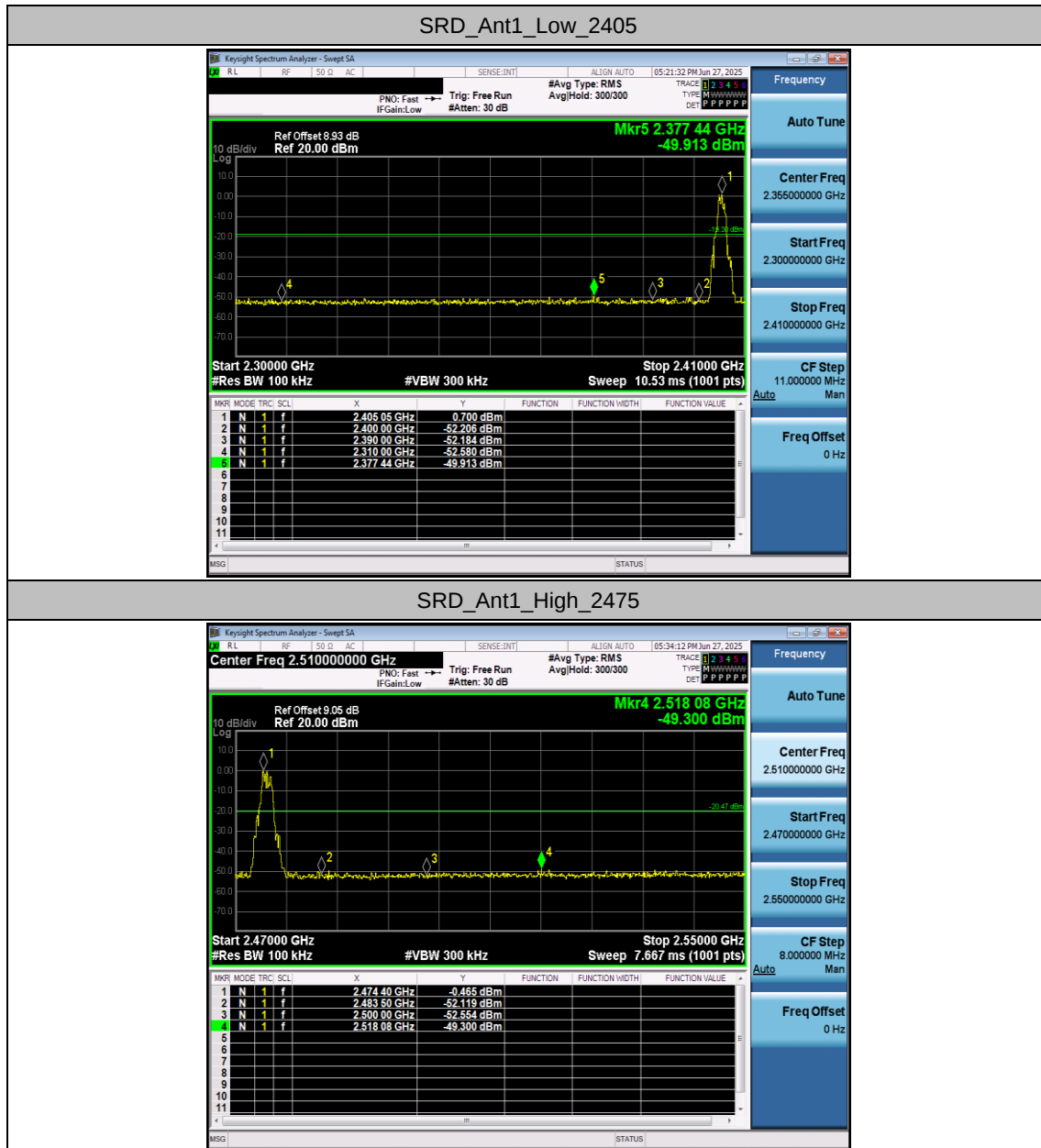


Appendix B.5:Band edge measurements

Test Result

TestMode	Antenna	ChName	Freq(MHz)	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	Low	2405	0.70	-49.91	≤ -19.3	PASS
		High	2475	-0.47	-49.3	≤ -20.47	PASS

Test Graphs



Appendix B.6:Conducted Spurious Emission

Test Result

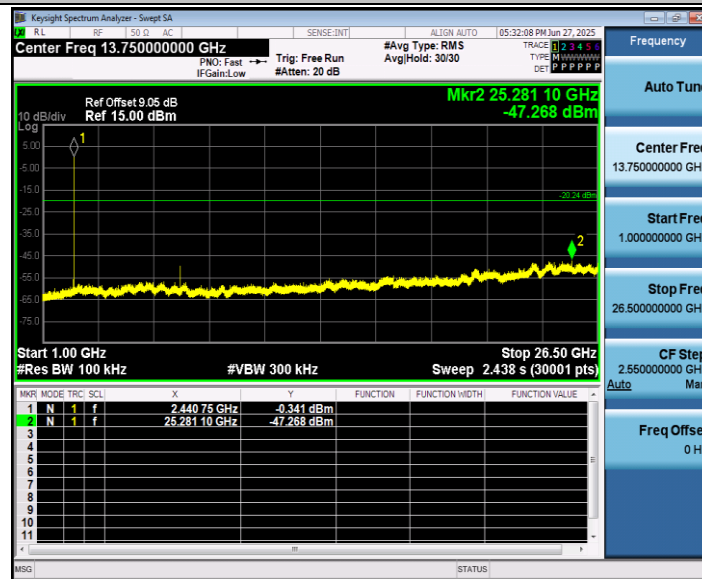
TestMode	Antenna	Freq(MHz)	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
SRD	Ant1	2405	Reference	0.50	0.50	---	PASS
			30~1000	0.50	-60.62	≤ -19.5	PASS
			1000~26500	0.50	-47.33	≤ -19.5	PASS
		2441	Reference	-0.24	-0.24	---	PASS
			30~1000	-0.24	-60.5	≤ -20.24	PASS
			1000~26500	-0.24	-47.27	≤ -20.24	PASS
		2475	Reference	-0.51	-0.51	---	PASS
			30~1000	-0.51	-60.79	≤ -20.51	PASS
			1000~26500	-0.51	-47.51	≤ -20.51	PASS

Test Graphs





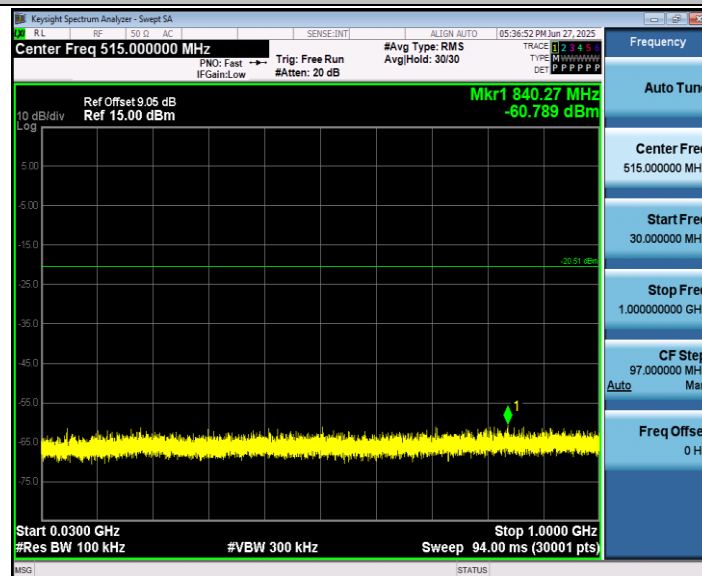
SRD_Ant1_2441_1000~26500

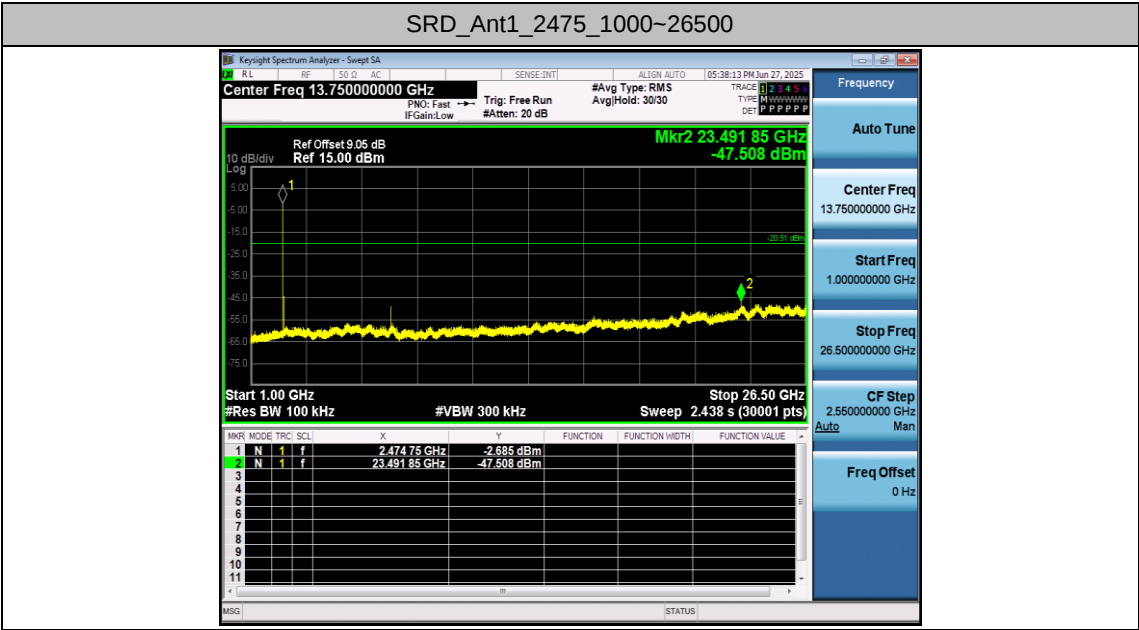


SRD_Ant1_2475_0~Reference



SRD_Ant1_2475_30~1000

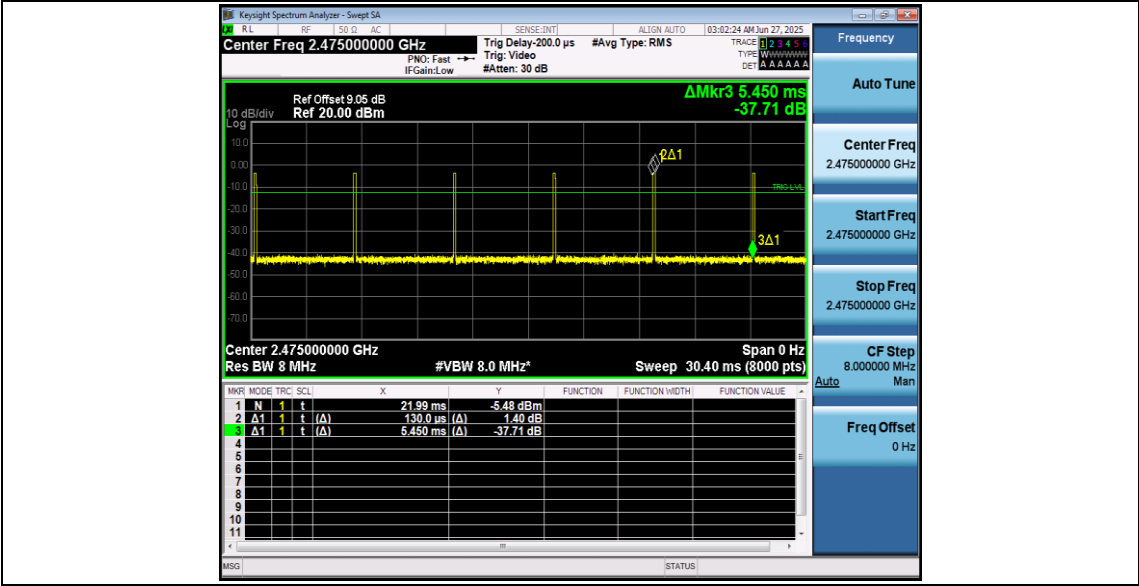




Appendix B.7: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	ON Time [ms]	Period [ms]	X	DC [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
SRD	Ant1	2405	0.13	5.45	0.0239	2.39	16.22	7.69
		2441	0.13	5.45	0.0239	2.39	16.22	7.69
		2475	0.13	5.45	0.0239	2.39	16.22	7.69



Appendix B.8:Emissions in Restricted Bands

Test Result

TestMode	Antenna	ChName	Freq(MHz)	Detector	Freq [MHz]	Result [dBm]	Limit [dBm]	Result [dBuV/m]	Limit [dBuV/m]	Verdict
SRD	Ant1	Low	2405	AV	2310.000	-49.15	≤-41.20	46.05	≤54	PASS
				AV	2323.650	-46.32	≤-41.20	48.88	≤54	PASS
				AV	2390.000	-48.88	≤-41.20	46.32	≤54	PASS
				Peak	2310.000	-40.81	≤-21.20	54.39	≤74	PASS
				Peak	2360.280	-37.81	≤-21.20	57.39	≤74	PASS
				Peak	2390.000	-39.33	≤-21.20	55.87	≤74	PASS
		High	2475	AV	2483.500	-48.83	≤-41.20	46.37	≤54	PASS
				AV	2496.960	-48.5	≤-41.20	46.70	≤54	PASS
				AV	2500.000	-48.58	≤-41.20	46.62	≤54	PASS
				Peak	2483.500	-41.01	≤-21.20	54.19	≤74	PASS
				Peak	2498.880	-38.55	≤-21.20	56.65	≤74	PASS
				Peak	2500.000	-41.21	≤-21.20	53.99	≤74	PASS

Note:

1. The Antenna Gain is compensated in the graph.
2. The Duty Cycle Factor and RBW Factor is compensated in the graph.
3. The limit in dBm for average detector is conversion from 54dBuV/m, according to 15.209(a). The limit in dBm for peak detector is 20dB above the limit of average detector in dBm.

Test Graphs

