

Appendix:Zigbee

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Appendix A: DTS Bandwidth**Test Result**

Test Mode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZIGBEE	Ant1	2405	1.660	2404.170	2405.830	0.5	PASS
		2440	1.640	2439.180	2440.820	0.5	PASS
		2480	1.660	2479.180	2480.840	0.5	PASS

Test Graphs





Appendix B: Occupied Channel Bandwidth

Test Result

Test Mode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
ZIGBEE	Ant1	2405	2.6325	2403.662	2406.294	---	PASS
		2440	2.5983	2438.699	2441.297	---	PASS
		2480	2.6222	2478.683	2481.305	---	PASS

Test Graphs



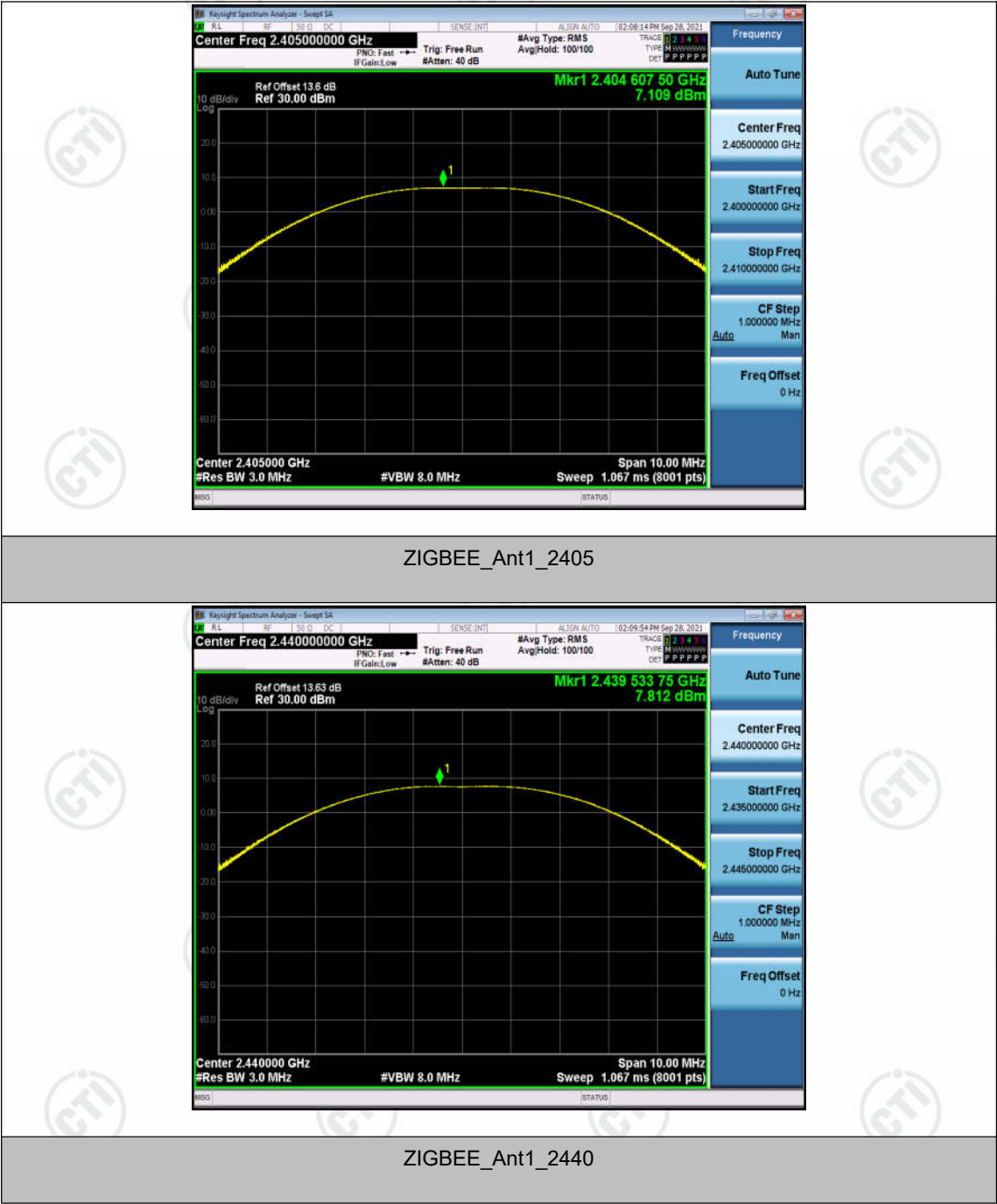


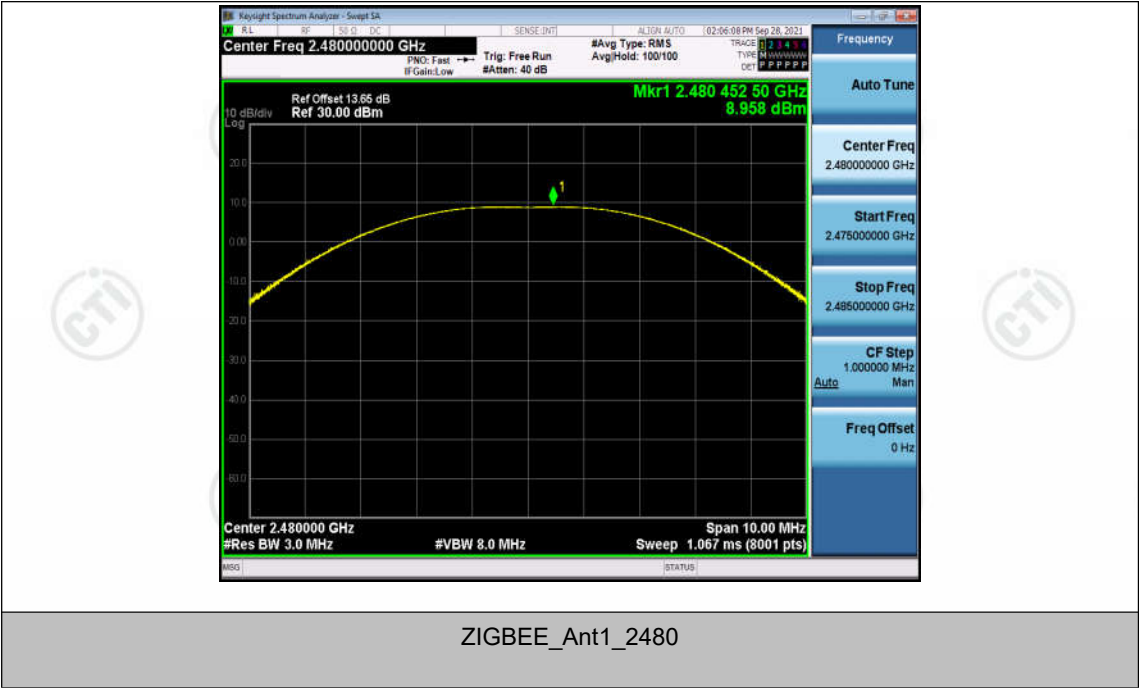
ZIGBEE_Ant1_2480

Appendix C: Maximum conducted output power**Test Result**

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
ZIGBEE	Ant1	2405	7.11	<=30	PASS
		2440	7.81	<=30	PASS
		2480	8.96	<=30	PASS

Test Graphs



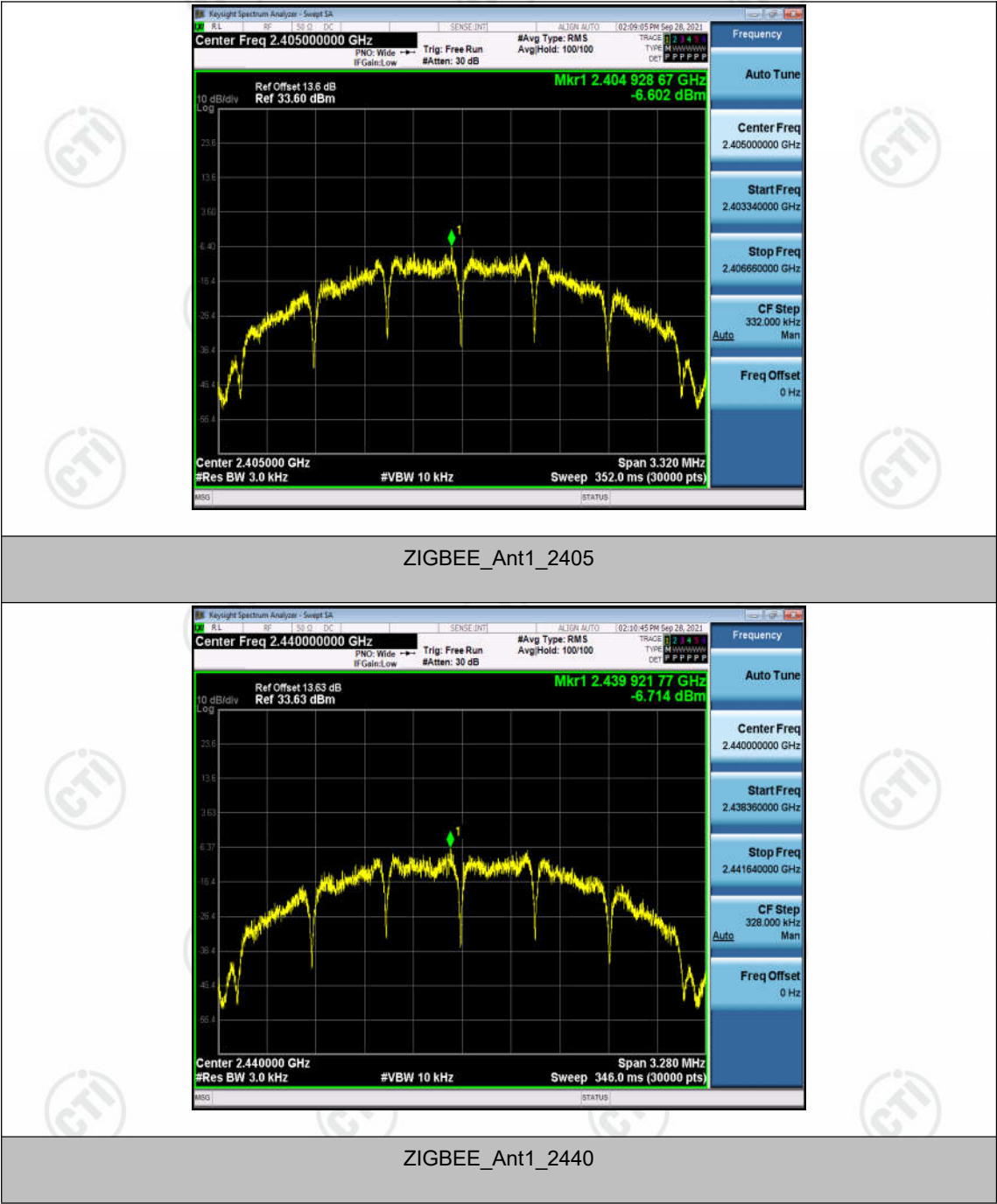


Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Channel	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
ZIGBEE	Ant1	2405	-6.6	≤ 8	PASS
		2440	-6.71	≤ 8	PASS
		2480	-6.44	≤ 8	PASS

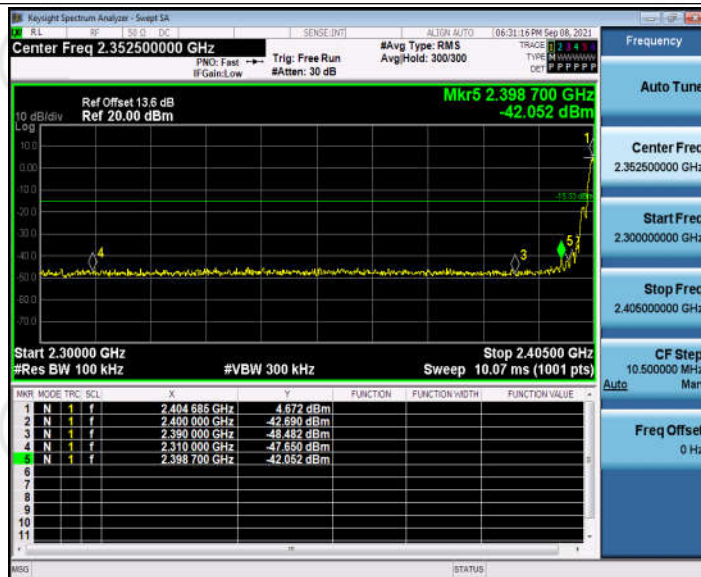
Test Graphs



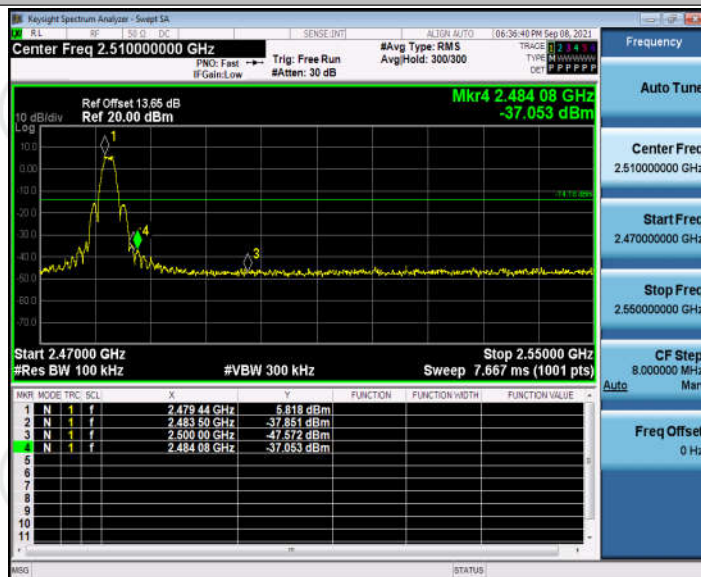
Appendix E:Band edge measurements**Test Result**

Test Mode	Antenna	Ch Name	Channel	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
ZIGBEE	Ant1	Low	2405	4.67	-42.05	<=-15.33	PASS
		High	2480	5.82	-37.05	<=-14.18	PASS

Test Graphs



ZIGBEE_Ant1_Low_2405



ZIGBEE_Ant1_High_2480

Appendix F: Conducted Spurious Emission

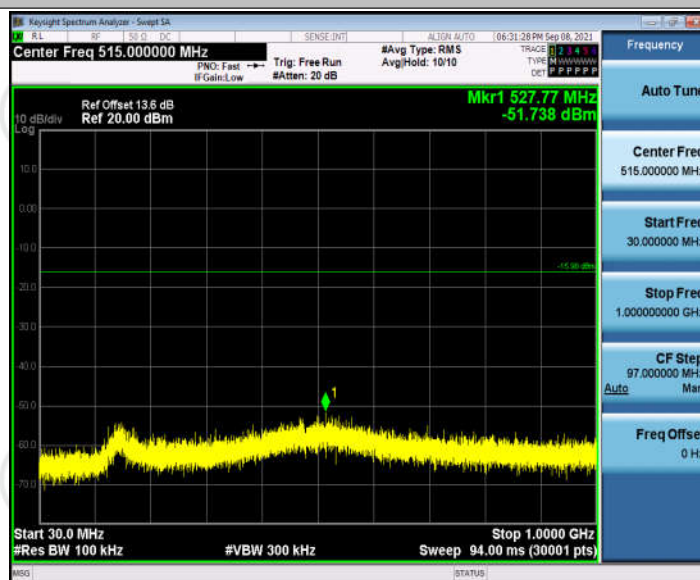
Test Result

Test Mode	Antenna	Channel	Freq Range [MHz]	Ref Level [dBm]	Result[dBm]	Limit[dBm]	Verdict
ZIGBEE	Ant1	2405	Reference	4.02	4.02	---	PASS
			30~1000	30~1000	-51.738	<=-15.98	PASS
			1000~26500	1000~26500	-49.235	<=-15.98	PASS
		2440	Reference	4.77	4.77	---	PASS
			30~1000	30~1000	-52.065	<=-15.226	PASS
			1000~26500	1000~26500	-49.661	<=-15.226	PASS
		2480	Reference	6.02	6.02	---	PASS
			30~1000	30~1000	-50.976	<=-13.981	PASS
			1000~26500	1000~26500	-49.732	<=-13.981	PASS

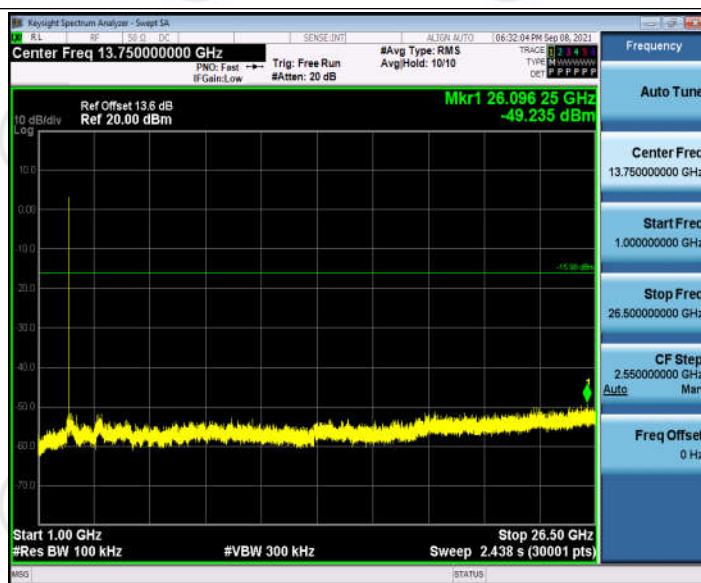
Test Graphs



ZIGBEE_Ant1_2405_0~Reference



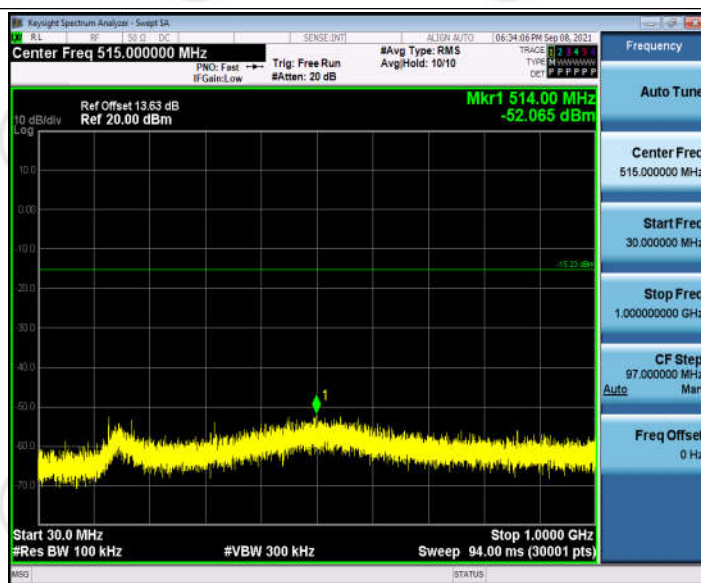
ZIGBEE_Ant1_2405_30~1000



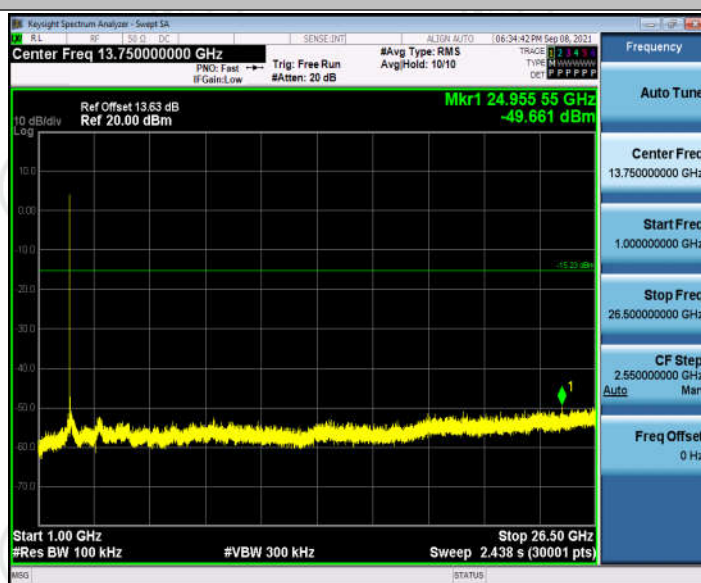
ZIGBEE_Ant1_2405_1000~26500



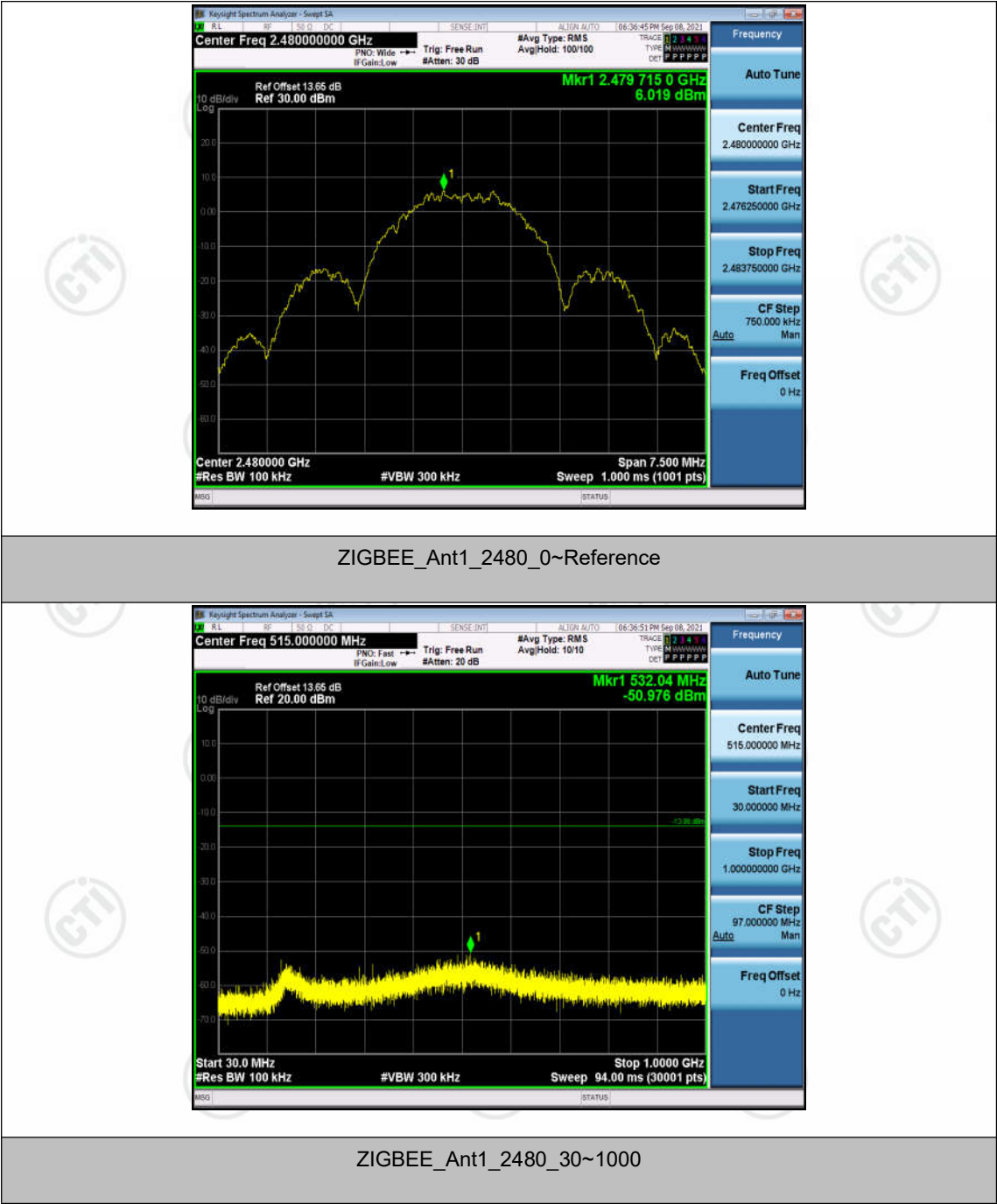
ZIGBEE_Ant1_2440_0~Reference

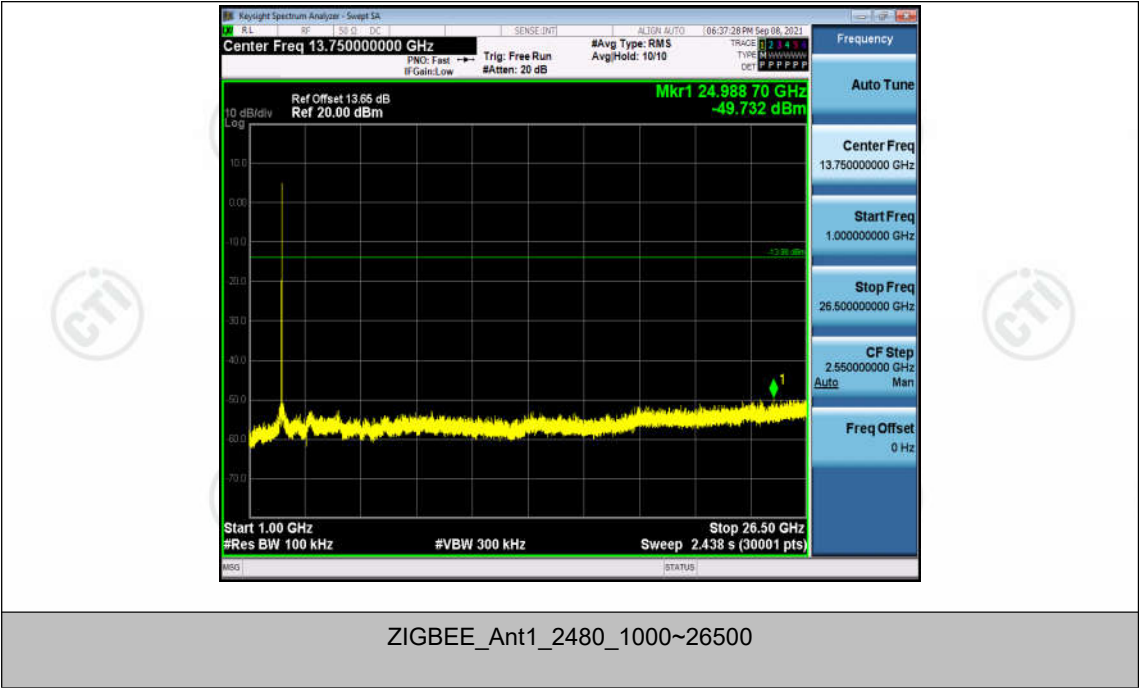


ZIGBEE_Ant1_2440_30~1000



ZIGBEE_Ant1_2440_1000~26500



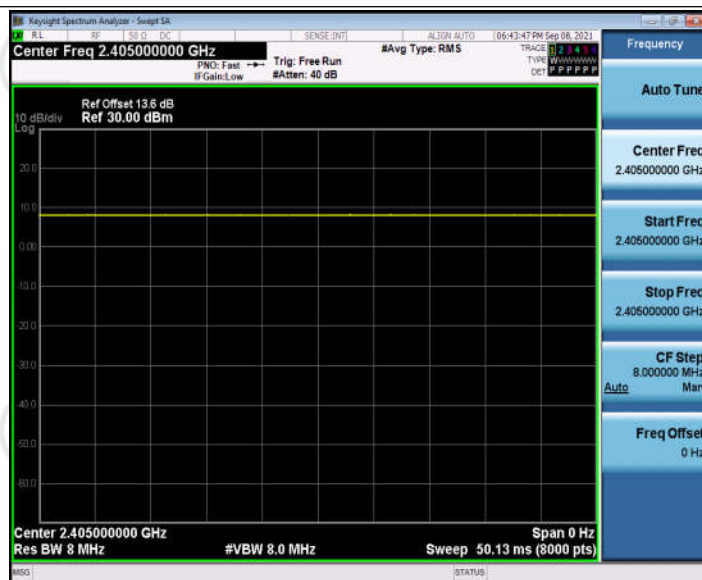


Appendix G: Duty Cycle

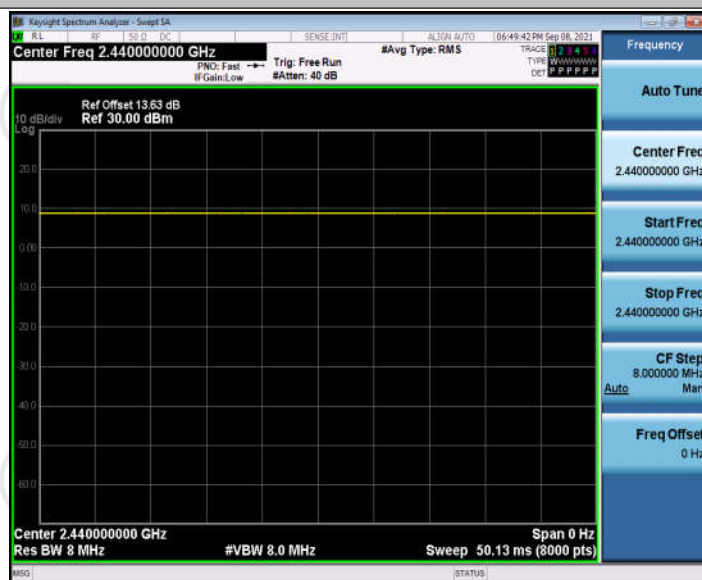
Test Result

Test Mode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Limit	Verdict
ZIGBEE	Ant1	2405	50.00	50.00	100.00	---	PASS
		2440	50.00	50.00	100.00	---	PASS
		2480	50.00	50.00	100.00	---	PASS

Test Graphs



ZIGBEE_Ant1_2405



ZIGBEE_Ant1_2440

