

Appendix Test Data

Report No:	CTA23101700101	Test Sample NO:	1-2-2
Start Test Date:	2023.08.10	Finish Test Date:	2023.10.10
Temperature:	25.2℃	Relative Humidity:	47%
Pressure:	1010mbar		

Appendix A1: Emission Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	26db EBW [MHz]	FL[MHz]	FH[MHz]
5.8G	Ant1	5732	13.080	5726.640	5739.720
		5790	13.080	5784.560	5797.640
		5847	13.400	5840.840	5854.240





Appendix A2: Occupied channel bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]
5.8G	Ant1	5732	10.369	5727.5890	5737.9580
		5790	10.792	5785.4591	5796.2511
		5847	10.535	5842.7271	5853.2621

Test Graphs

5.8G_Ant1_5732



5.8G_Ant1_5790



5.8G_Ant1_5847



Appendix A3: Min emission bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	6db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
5.8G	Ant1	5732	4.680	5728.840	5733.520	0.5	PASS
		5790	4.880	5786.880	5791.760	0.5	PASS
		5847	4.720	5843.840	5848.560	0.5	PASS

Test Graphs

5.8G_Ant1_5732



5.8G_Ant1_5790



5.8G_Ant1_5847



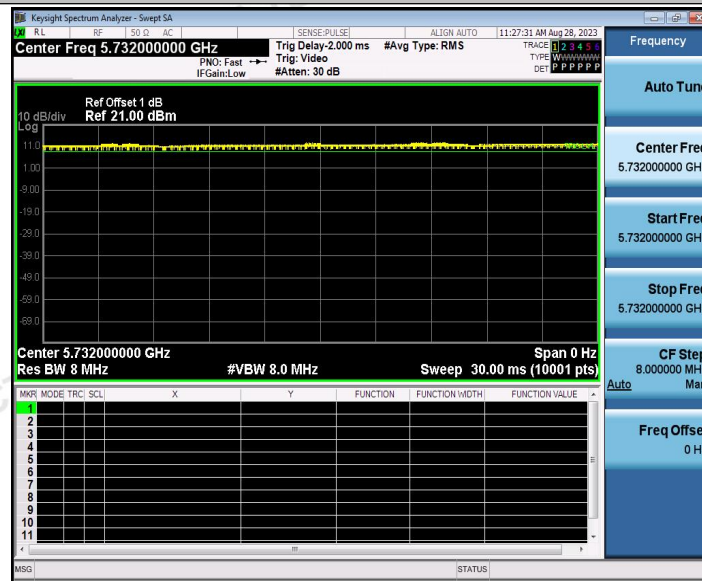
Appendix B: Duty Cycle

Test Result

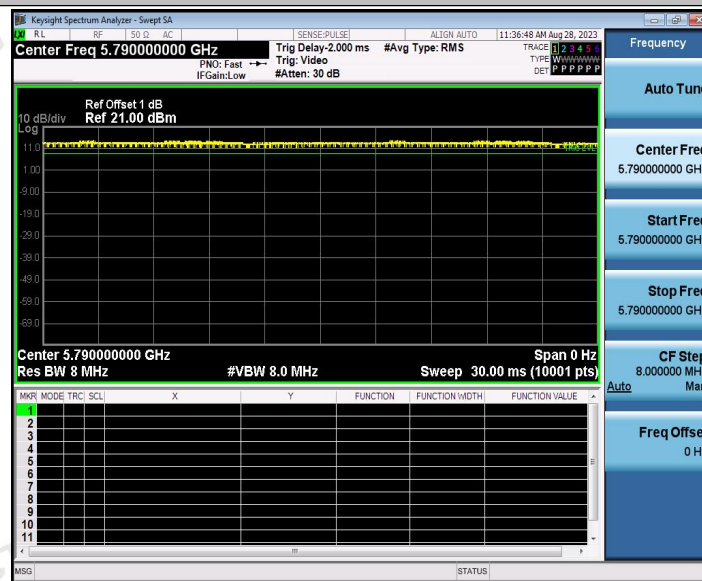
Test Mode	Antenna	Frequency[MHz]	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
5.8G	Ant1	5732	30.00	30.00	100.00
		5790	30.00	30.00	100.00
		5847	30.00	30.00	100.00

Test Graphs

5.8G_Ant1_5732



5.8G_Ant1_5790



5.8G_Ant1_5847

Appendix C: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Frequency [MHz]	Set Power	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]
5.8G	Ant1	5732	---	14.44	100.00	0.00	14.44	≤30.00
	Ant1	5790	---	14.95	100.00	0.00	14.95	≤30.00
	Ant1	5847	---	14.88	100.00	0.00	14.88	≤30.00

Note: The Duty Cycle Factor is compensated in the graph.

Appendix D: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Result [dBm/3kHz]	Limit[dBm/3kHz]	Verdict
5.8G	Ant1	5732	6.79	≤8.00	PASS
		5790	6.40	≤8.00	PASS
		5847	3.69	≤8.00	PASS

Note: 1.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

5.8G_Ant1_5732



5.8G_Ant1_5790



5.8G_Ant1_5847



Appendix E: Band edge measurements

Test Result

TestMode	Antenna	ChName	Frequency [MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
5.8G	Ant1	Low	5732	12.51	-59.68	≤-7.49	PASS
		High	5847	12.78	-59.70	≤-7.22	PASS

Test Graphs



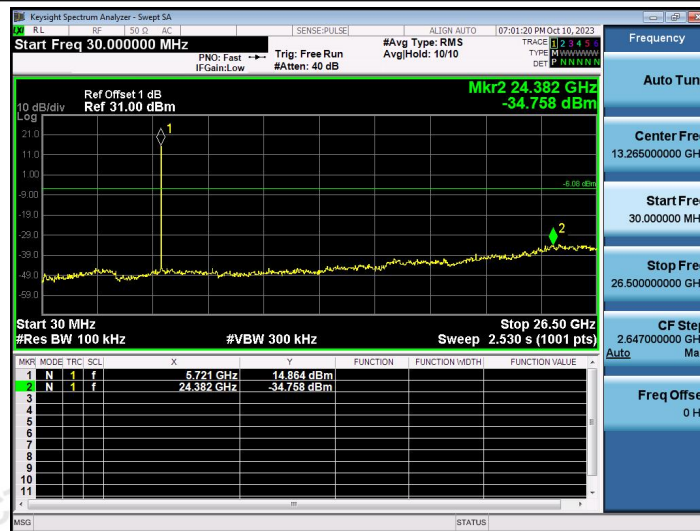
Appendix F: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency [MHz]	FreqRange [MHz]	RefLevel [dBm]	Result[dBm]	Limit[dBm]	Verdict
5.8G	Ant1	5732	Reference	13.919	13.919	---	PASS
			30~1000	13.919	-68.92	≤-6.08	PASS
			1000~26500	13.919	-34.758	≤-6.08	PASS
		5790	Reference	14.872	14.872	---	PASS
			30~1000	14.872	-48.748	≤-5.13	PASS
			1000~26500	14.872	-34.134	≤-5.13	PASS
		5847	Reference	15.323	15.323	---	PASS
			30~1000	15.323	-49.263	≤-4.68	PASS
			1000~26500	15.323	-34.009	≤-4.68	PASS

Test Graphs





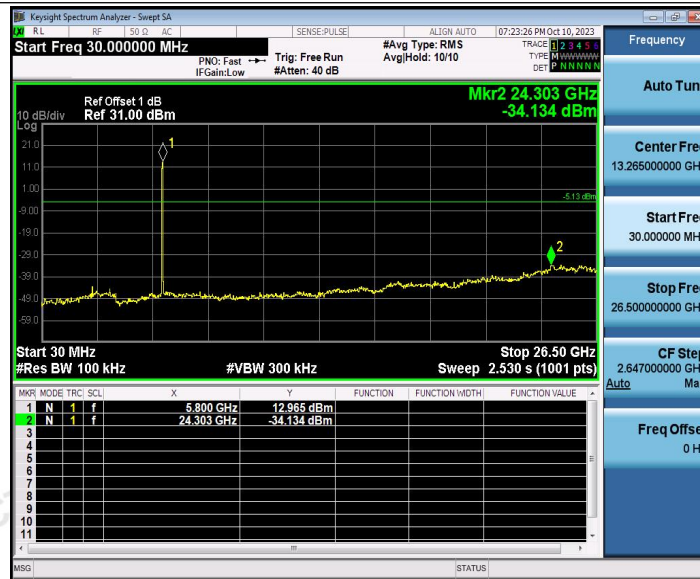
Ant1_5790_0~Reference



Ant1_5790_30~1000



Ant1_5790_1000~26500

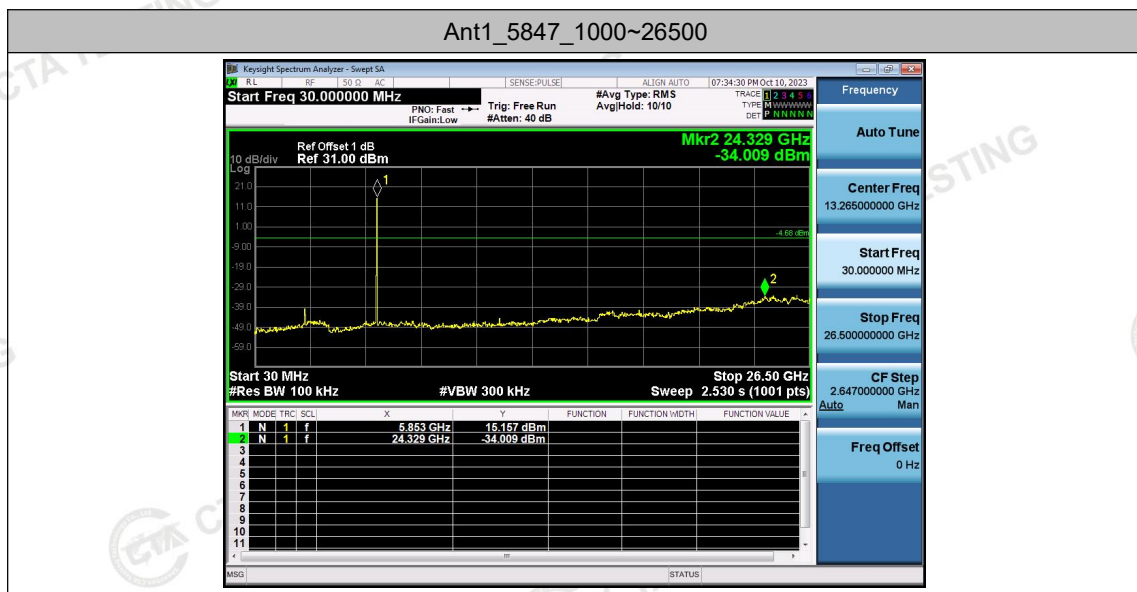


Ant1_5847_0~Reference



Ant1_5847_30~1000





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