

Case No. : <u>GTS20220524002-1</u>	
Ambient Condition: <u>26</u> °C, <u>47</u> %RH,	
Test Date: <u>2022.6.22</u>	Test Engineer: <u>Jenny zeng</u>

Appendix C.1: DTS Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	8.520	2408.000	2416.520	0.5	PASS
		2437	10.120	2431.920	2442.040	0.5	PASS
		2462	10.120	2456.920	2467.040	0.5	PASS
11G	Ant1	2412	16.320	2403.840	2420.160	0.5	PASS
		2437	15.760	2429.080	2444.840	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.600	2403.200	2420.800	0.5	PASS
		2437	16.560	2428.920	2445.480	0.5	PASS
		2462	17.120	2453.400	2470.520	0.5	PASS
11N40SISO	Ant1	2422	35.760	2404.480	2440.240	0.5	PASS
		2437	35.840	2419.240	2455.080	0.5	PASS
		2452	36.480	2433.760	2470.240	0.5	PASS
11AX20SISO	Ant1	2412	18.960	2402.560	2421.520	0.5	PASS
		2437	18.960	2427.520	2446.480	0.5	PASS
		2462	18.960	2452.560	2471.520	0.5	PASS
11AX40SISO	Ant1	2422	38.000	2403.040	2441.040	0.5	PASS
		2437	37.840	2418.120	2455.960	0.5	PASS
		2452	37.920	2433.040	2470.960	0.5	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



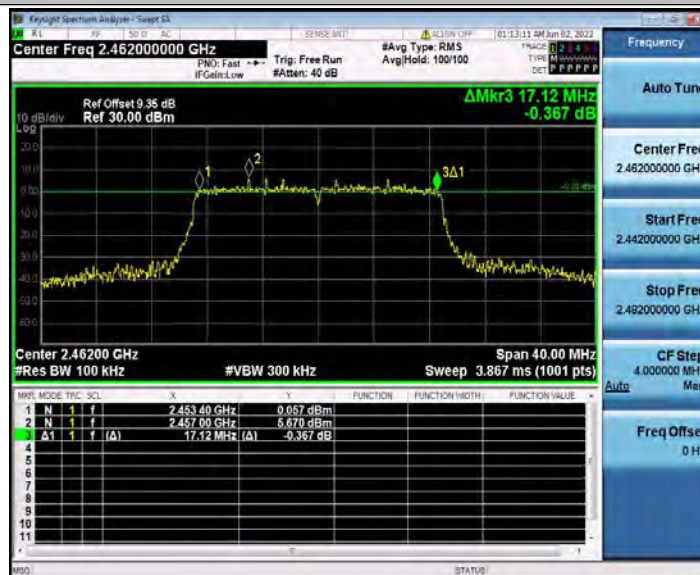
11N20SISO_Ant1_2412



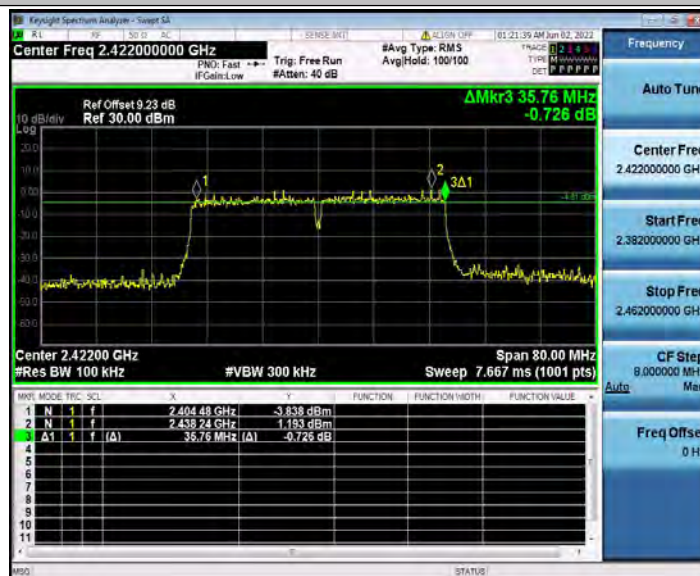
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



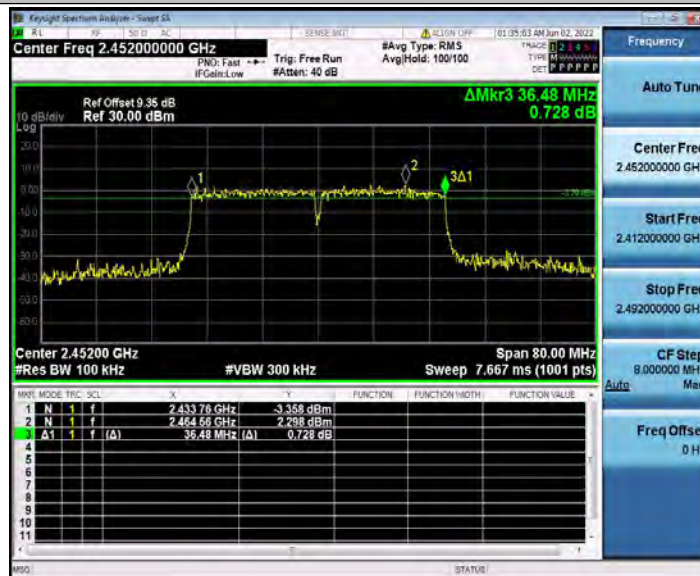
11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



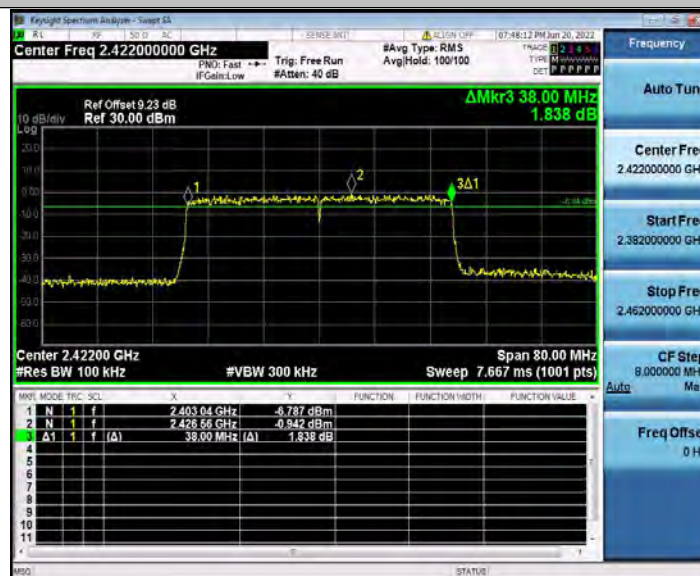
11AX20SISO_Ant1_2437



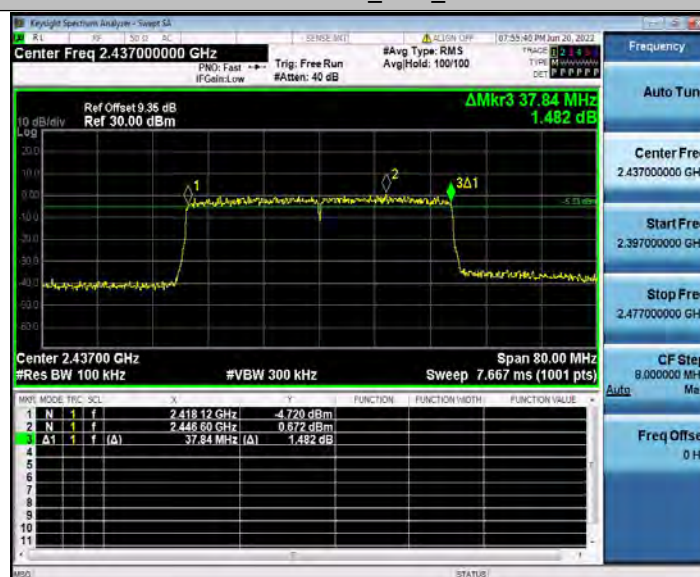
11AX20SISO_Ant1_2462



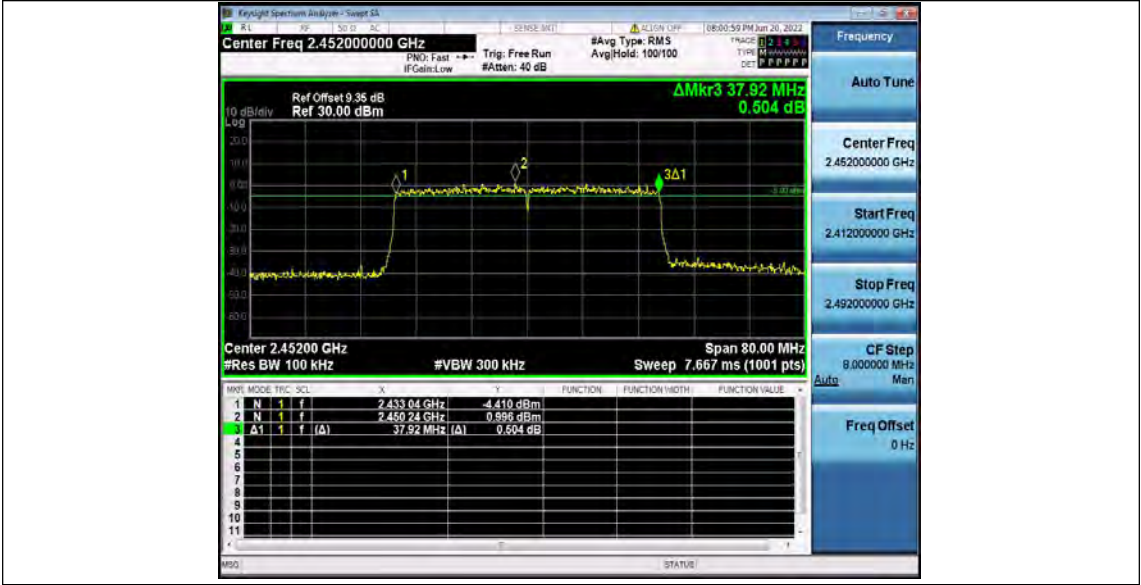
11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.2: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel Frequency[MHz]	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	15.324	2404.413	2419.737	---	---
		2437	14.937	2429.585	2444.522	---	---
		2462	14.958	2454.524	2469.482	---	---
11G	Ant1	2412	16.431	2403.805	2420.236	---	---
		2437	16.518	2428.782	2445.300	---	---
		2462	16.483	2453.766	2470.249	---	---
11N20SISO	Ant1	2412	17.630	2403.202	2420.832	---	---
		2437	17.620	2428.197	2445.817	---	---
		2462	17.601	2453.193	2470.794	---	---
11N40SISO	Ant1	2422	36.155	2404.023	2440.178	---	---
		2437	36.140	2418.993	2455.133	---	---
		2452	36.185	2433.949	2470.134	---	---
11AX20SISO O	Ant1	2412	18.995	2402.544	2421.539	---	---
		2437	18.938	2427.550	2446.488	---	---
		2462	18.958	2452.550	2471.508	---	---
11AX40SISO O	Ant1	2422	37.919	2403.103	2441.022	---	---
		2437	37.815	2418.198	2456.013	---	---
		2452	37.782	2433.171	2470.953	---	---

Test Graphs

11B_Ant1_2412



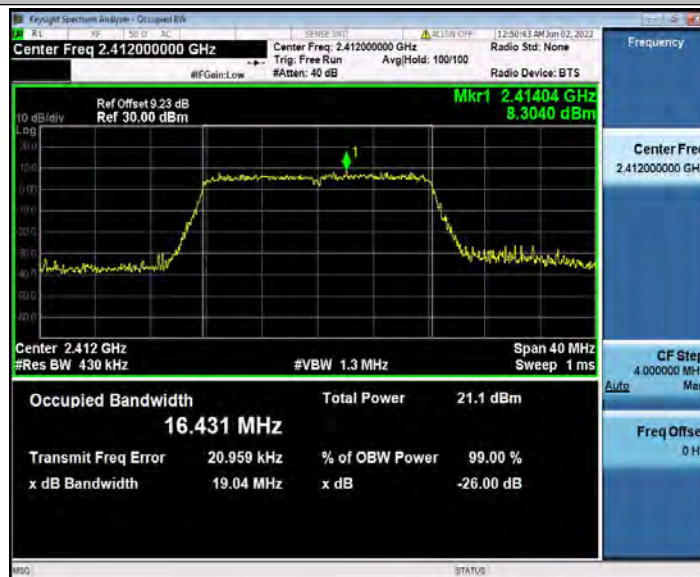
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



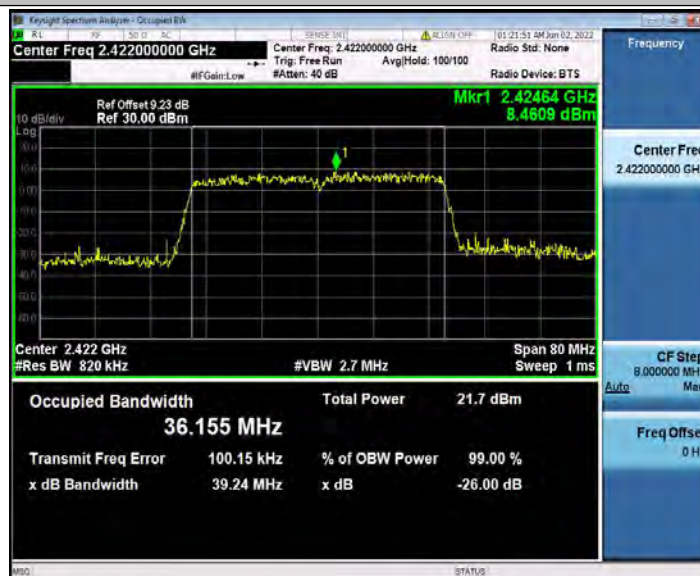
11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2437



11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.3: Maximum power spectral density

Test Result

TestMode	Antenna	Frequency[MHz]	Result[dBm/3-100kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.31	≤8.00	PASS
		2437	-6.38	≤8.00	PASS
		2462	-6.1	≤8.00	PASS
11G	Ant1	2412	-10.98	≤8.00	PASS
		2437	-9.74	≤8.00	PASS
		2462	-9.02	≤8.00	PASS
11N20SISO	Ant1	2412	-11.9	≤8.00	PASS
		2437	-9.65	≤8.00	PASS
		2462	-12.82	≤8.00	PASS
11N40SISO	Ant1	2422	-11.7	≤8.00	PASS
		2437	-10.45	≤8.00	PASS
		2452	-9.74	≤8.00	PASS
11AX20SISO O	Ant1	2412	-8.9	≤8.00	PASS
		2437	-7.75	≤8.00	PASS
		2462	-7.08	≤8.00	PASS
11AX40SISO O	Ant1	2422	-10.08	≤8.00	PASS
		2437	-9.39	≤8.00	PASS
		2452	-9.05	≤8.00	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



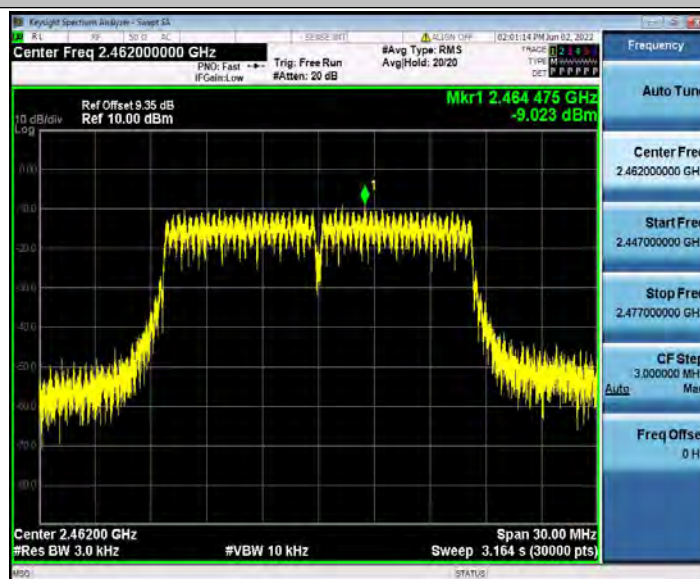
11G_Ant1_2412



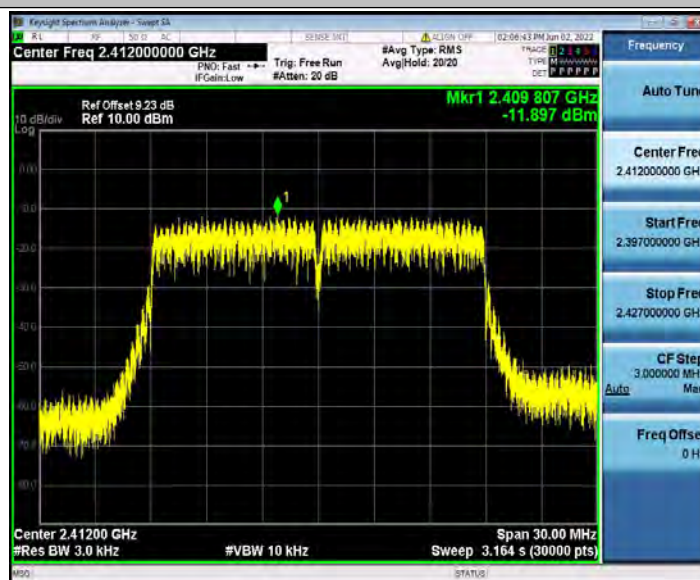
11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



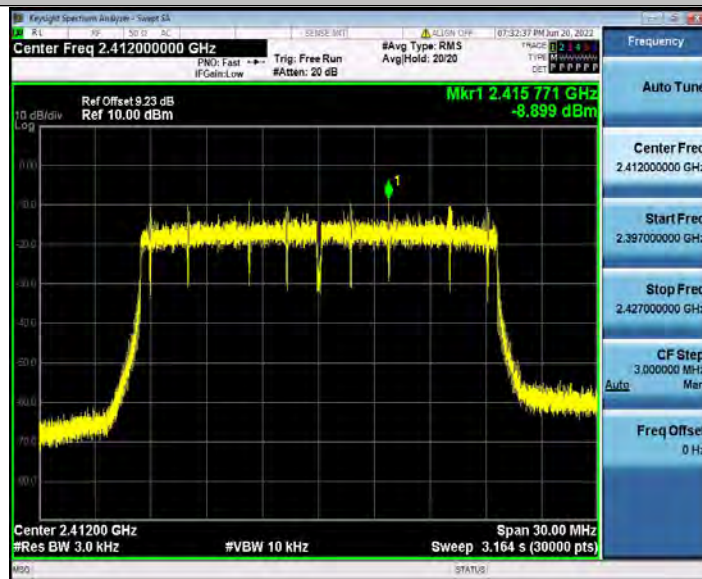
11N40SISO_Ant1_2437



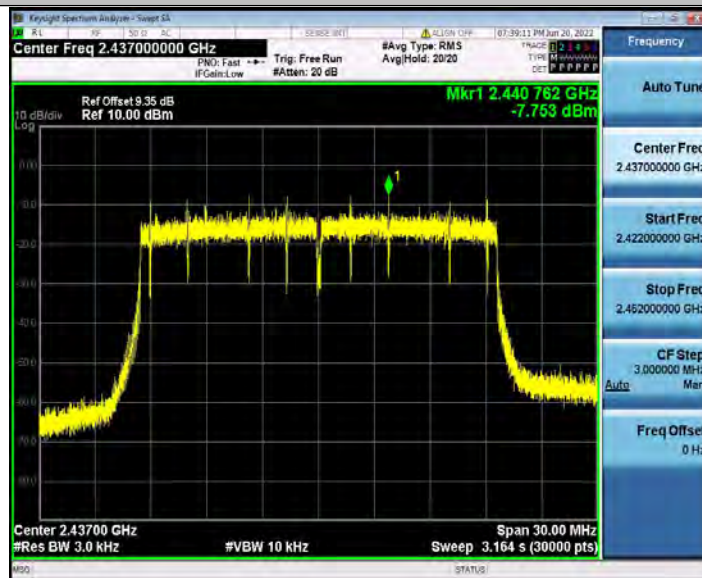
11N40SISO_Ant1_2452



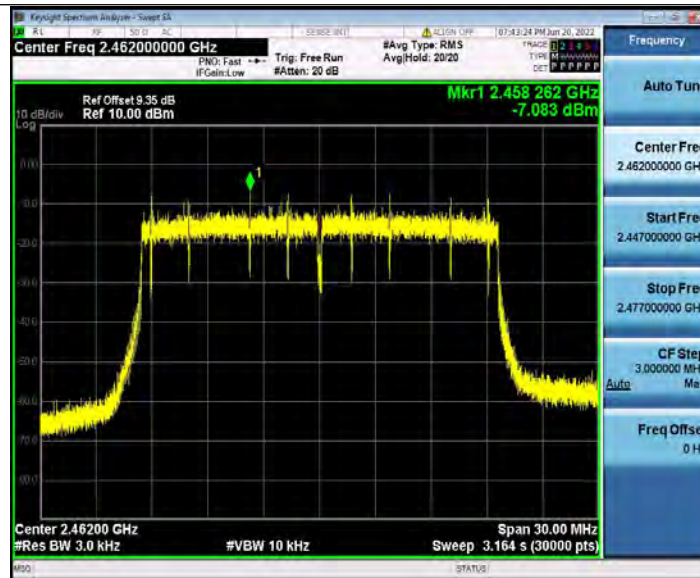
11AX20SISO_Ant1_2412



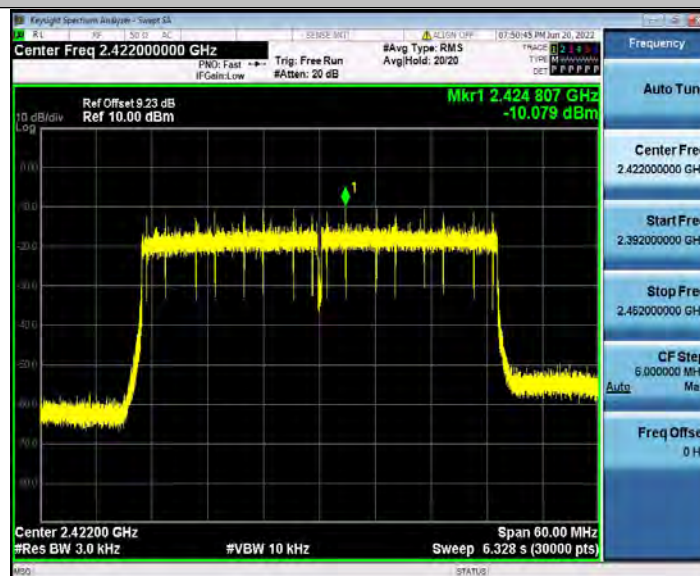
11AX20SISO_Ant1_2437



11AX20SISO_Ant1_2462



11AX40SISO_Ant1_2422



11AX40SISO_Ant1_2437



11AX40SISO_Ant1_2452



Appendix C.4: Band edge measurements

Test Result

TestMode	Antenna	Channel Name	Frequency[MHz]	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	-4.80	-36.25	≤-24.8	PASS
		High	2462	7.94	-45.47	≤-12.06	PASS
11G	Ant1	Low	2412	4.95	-38.77	≤-15.05	PASS
		High	2462	7.02	-39.19	≤-12.98	PASS
11N20SISO	Ant1	Low	2412	4.66	-34.82	≤-15.34	PASS
		High	2462	7.68	-36.85	≤-12.32	PASS
11N40SISO	Ant1	Low	2422	2.83	-34.41	≤-17.17	PASS
		High	2452	4.39	-28.81	≤-15.61	PASS
11AX20SISO	Ant1	Low	2412	0.83	-43.24	≤-19.17	PASS
		High	2462	3.11	-42.06	≤-16.89	PASS
11AX40SISO	Ant1	Low	2422	0.54	-40.28	≤-19.46	PASS
		High	2452	1.12	-35.94	≤-18.88	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



11N40SISO_Ant1_High_2452



11AX20SISO_Ant1_Low_2412



11AX20SISO_Ant1_High_2462



11AX40SISO_Ant1_Low_2422



11AX40SISO_Ant1_High_2452



Appendix C.5: Conducted Spurious Emission

Test Result

TestMode	Antenna	Frequency[MHz]	FreqRange [Mhz]	RefLevel [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	Reference	5.97	5.97	---	PASS
			30~1000	5.97	-59.96	≤-14.03	PASS
			1000~26500	5.97	-46.63	≤-14.03	PASS
		2437	Reference	7.22	7.22	---	PASS
			30~1000	7.22	-60.19	≤-12.78	PASS
			1000~26500	7.22	-47.19	≤-12.78	PASS
		2462	Reference	6.24	6.24	---	PASS
			30~1000	6.24	-59.77	≤-13.76	PASS
			1000~26500	6.24	-47.28	≤-13.76	PASS
11G	Ant1	2412	Reference	1.71	1.71	---	PASS
			30~1000	1.71	-60.39	≤-18.29	PASS
			1000~26500	1.71	-46.96	≤-18.29	PASS
		2437	Reference	5.93	5.93	---	PASS
			30~1000	5.93	-46.73	≤-14.07	PASS
			1000~26500	5.93	-47.22	≤-14.07	PASS
		2462	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-59.14	≤-15.59	PASS
			1000~26500	4.41	-47.09	≤-15.59	PASS
11N20SISO	Ant1	2412	Reference	4.41	4.41	---	PASS
			30~1000	4.41	-59.92	≤-15.59	PASS
			1000~26500	4.41	-47.32	≤-15.59	PASS
		2437	Reference	2.95	2.95	---	PASS
			30~1000	2.95	-60.74	≤-17.05	PASS
			1000~26500	2.95	-46.84	≤-17.05	PASS
		2462	Reference	6.51	6.51	---	PASS
			30~1000	6.51	-60.31	≤-13.49	PASS
			1000~26500	6.51	-47.57	≤-13.49	PASS
11N40SISO	Ant1	2422	Reference	-3.69	-3.69	---	PASS
			30~1000	-3.69	-58.67	≤-23.69	PASS
			1000~26500	-3.69	-44.44	≤-23.69	PASS
		2437	Reference	-2.73	-2.73	---	PASS
			30~1000	-2.73	-58.64	≤-22.73	PASS
			1000~26500	-2.73	-47.79	≤-22.73	PASS
		2452	Reference	3.79	3.79	---	PASS
			30~1000	3.79	-59.61	≤-16.21	PASS
			1000~26500	3.79	-47.32	≤-16.21	PASS
11AX20SIS	Ant1	2412	Reference	0.65	0.65	---	PASS

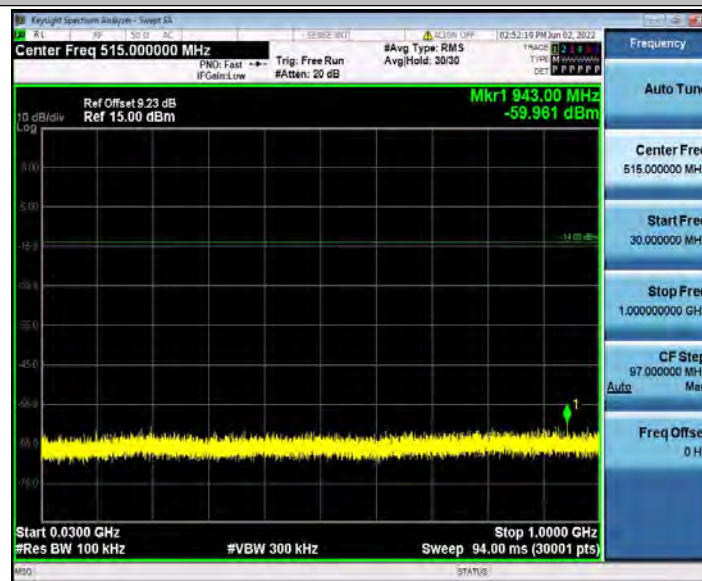
O			30~1000	0.65	-60.61	≤ -19.35	PASS
			1000~26500	0.65	-47.37	≤ -19.35	PASS
		2437	Reference	2.31	2.31	---	PASS
			30~1000	2.31	-60.08	≤ -17.69	PASS
			1000~26500	2.31	-47.87	≤ -17.69	PASS
		2462	Reference	1.55	1.55	---	PASS
			30~1000	1.55	-59.25	≤ -18.45	PASS
			1000~26500	1.55	-47.54	≤ -18.45	PASS
11AX40SIS O	Ant1	2422	Reference	-0.23	-0.23	---	PASS
			30~1000	-0.23	-56.42	≤ -20.23	PASS
			1000~26500	-0.23	-46.99	≤ -20.23	PASS
		2437	Reference	0.09	0.09	---	PASS
			30~1000	0.09	-60.14	≤ -19.91	PASS
			1000~26500	0.09	-47.86	≤ -19.91	PASS
		2452	Reference	-0.51	-0.51	---	PASS
			30~1000	-0.51	-59.81	≤ -20.51	PASS
			1000~26500	-0.51	-47.27	≤ -20.51	PASS

Test Graphs

11B_Ant1_2412_0~Reference



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



11B_Ant1_2437_0~Reference



11B_Ant1_2437_30~1000



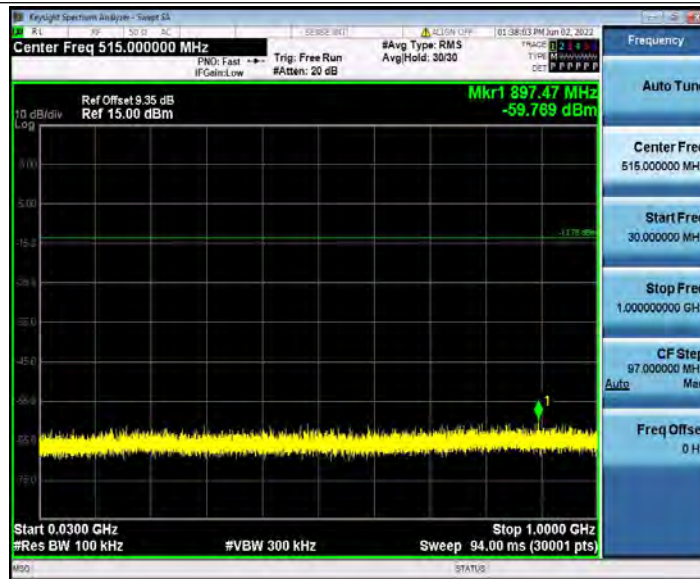
11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_30~1000



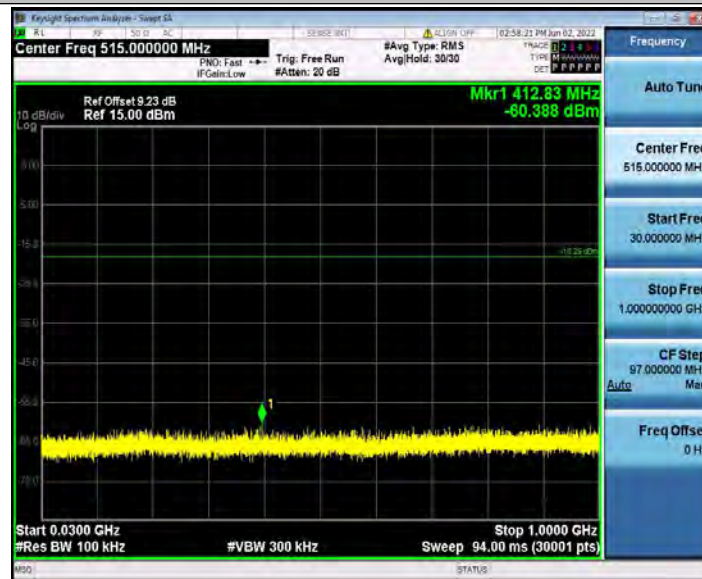
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



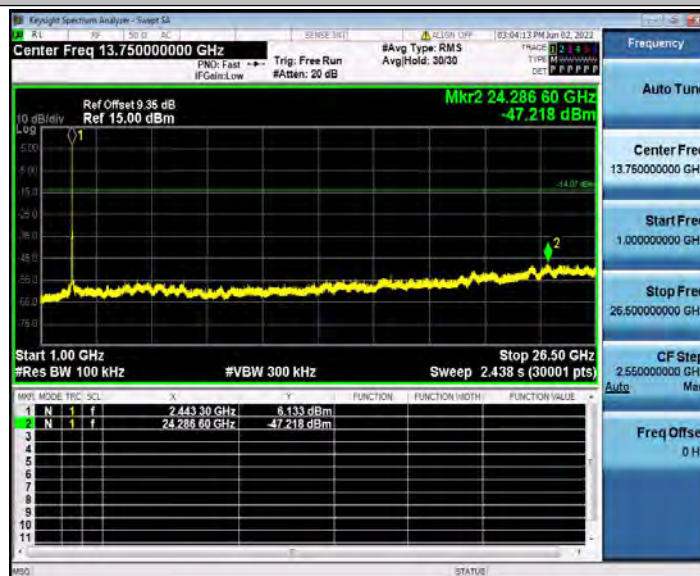
11G_Ant1_2437_0~Reference



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



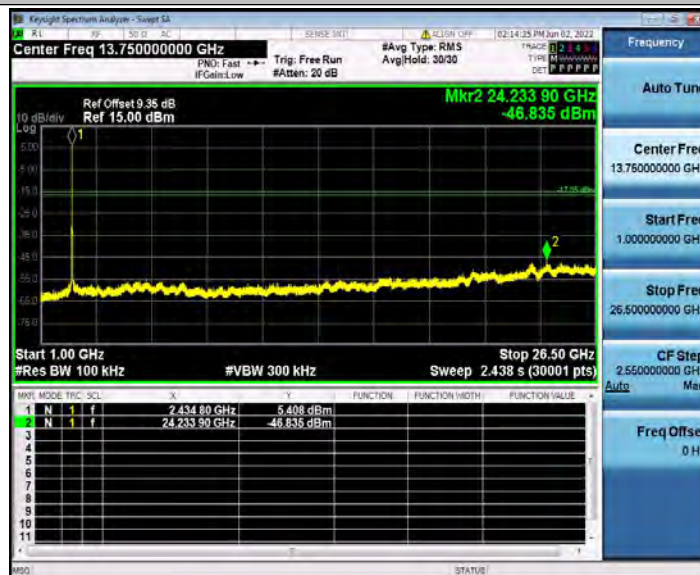
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



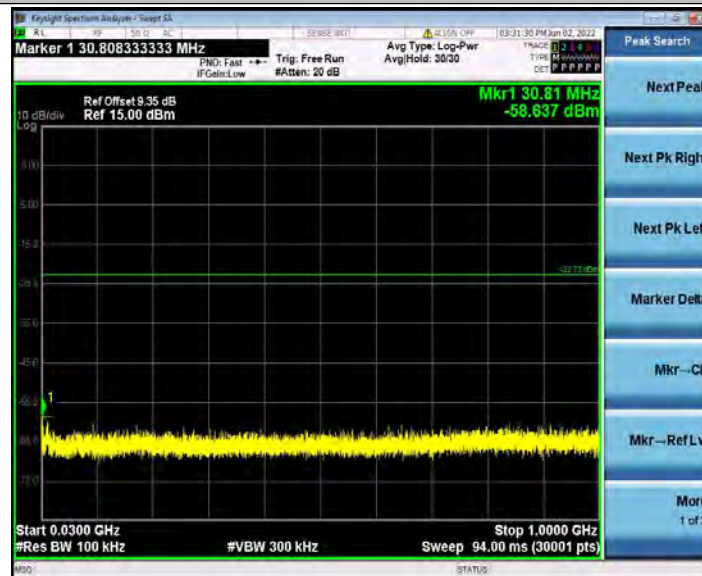
11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2452_0~Reference



11N40SISO_Ant1_2452_30~1000



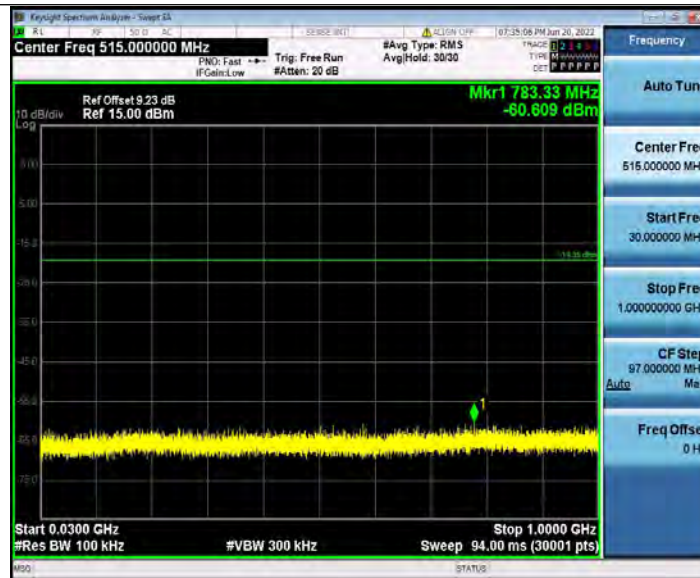
11N40SISO_Ant1_2452_1000~26500



11AX20SISO_Ant1_2412_0~Reference



11AX20SISO_Ant1_2412_30~1000



11AX20SISO_Ant1_2412_1000~26500



11AX20SISO_Ant1_2437_0~Reference



11AX20SISO_Ant1_2437_30~1000



11AX20SISO_Ant1_2437_1000~26500



11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



11AX20SISO_Ant1_2462_1000~26500



11AX40SISO_Ant1_2422_0~Reference



11AX40SISO_Ant1_2422_30~1000



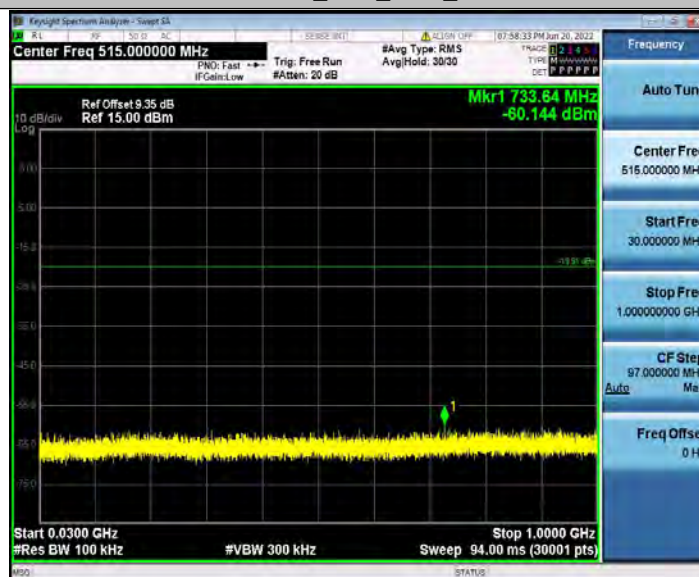
11AX40SISO_Ant1_2422_1000~26500



11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000



11AX40SISO_Ant1_2437_1000~26500



11AX40SISO_Ant1_2452_0~Reference



11AX40SISO_Ant1_2452_30~1000



11AX40SISO_Ant1_2452_1000~26500

