

Case No. : <u>GTS20220524002-1-1</u>	
Ambient Condition: <u>26 °C, 47 %RH,</u>	
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	8.040	2432.960	2441.000	0.5	PASS
		2462	8.040	2458.000	2466.040	0.5	PASS
11G	Ant1	2412	16.360	2403.840	2420.200	0.5	PASS
		2437	16.360	2428.840	2445.200	0.5	PASS
		2462	16.320	2453.840	2470.160	0.5	PASS
11N20SISO	Ant1	2412	17.640	2403.200	2420.840	0.5	PASS
		2437	17.560	2428.240	2445.800	0.5	PASS
		2462	17.600	2453.200	2470.800	0.5	PASS
11N40SISO	Ant1	2422	36.080	2404.080	2440.160	0.5	PASS
		2437	35.920	2419.240	2455.160	0.5	PASS
		2452	36.080	2434.080	2470.160	0.5	PASS
11AX20SISO	Ant1	2412	19.000	2402.480	2421.480	0.5	PASS
		2437	18.840	2427.600	2446.440	0.5	PASS
		2462	19.000	2452.520	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	38.160	2432.960	2471.120	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



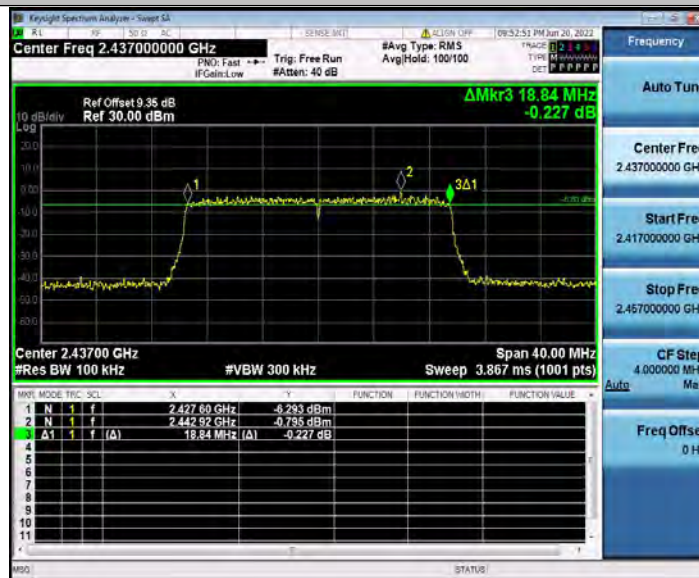
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



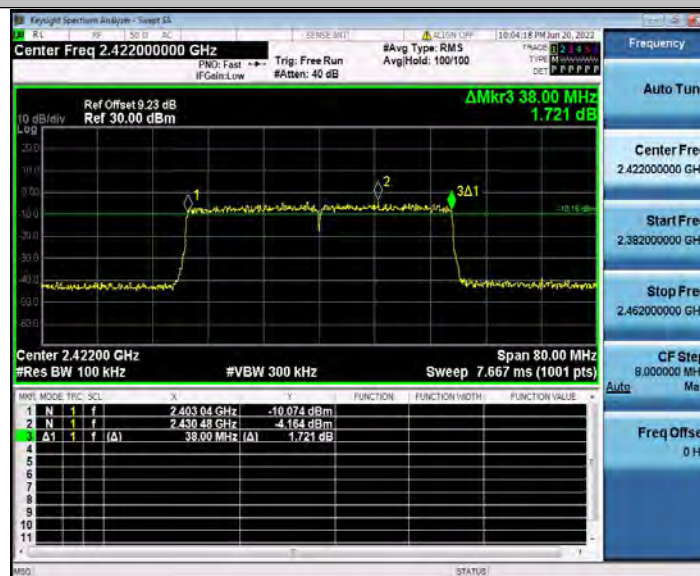
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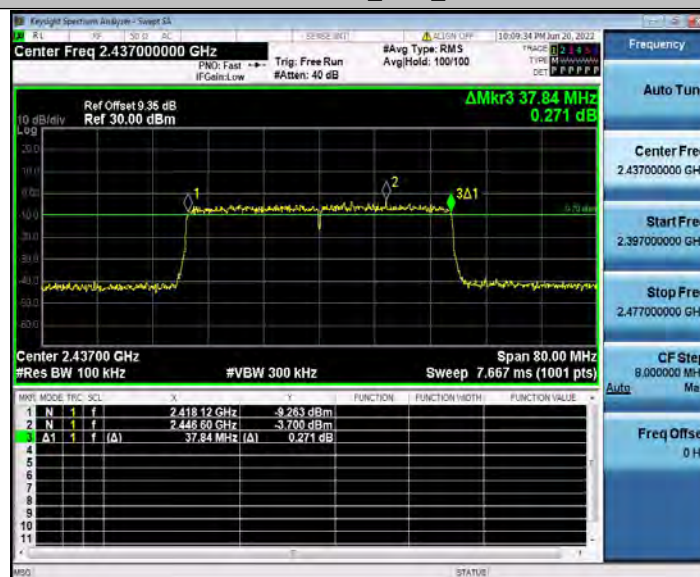
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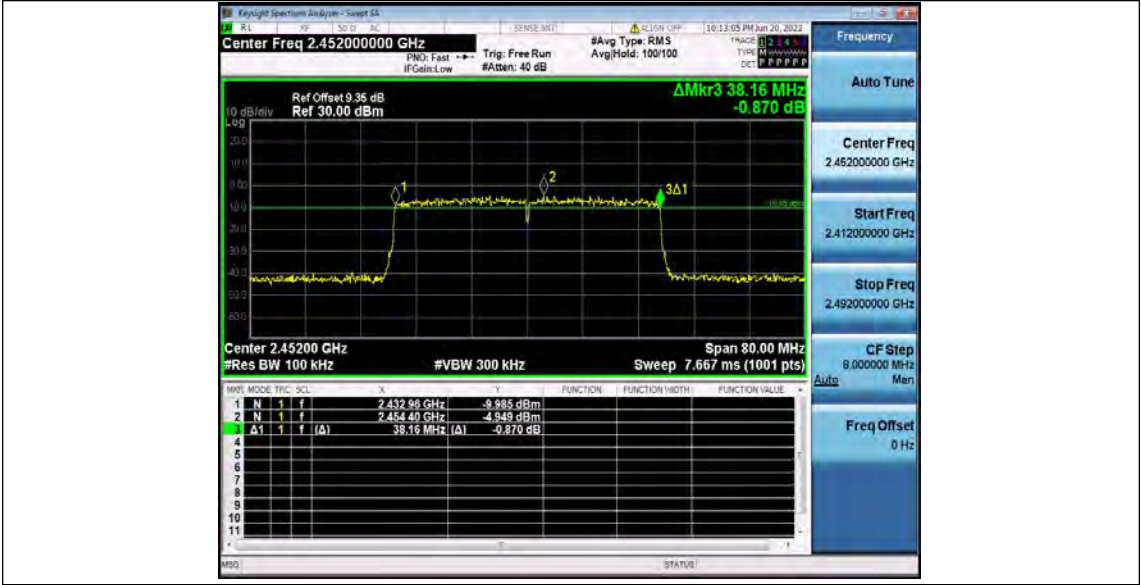
11AX40SISO_Ant1_2422



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	13.480	2405.346	2418.826	---	---
		2437	13.265	2430.428	2443.693	---	---
		2462	13.229	2455.410	2468.639	---	---
11G	Ant1	2412	16.987	2403.572	2420.559	---	---
		2437	16.736	2428.680	2445.416	---	---
		2462	16.764	2453.652	2470.416	---	---
11N20SISO	Ant1	2412	17.855	2403.113	2420.968	---	---
		2437	17.822	2428.118	2445.940	---	---
		2462	17.832	2453.108	2470.940	---	---
11N40SISO	Ant1	2422	36.122	2404.097	2440.219	---	---
		2437	36.016	2419.133	2455.149	---	---
		2452	36.144	2434.042	2470.186	---	---
11AX20SISO O	Ant1	2412	18.996	2402.513	2421.509	---	---
		2437	18.906	2427.594	2446.500	---	---
		2462	18.933	2452.534	2471.467	---	---
11AX40SISO O	Ant1	2422	37.817	2403.170	2440.987	---	---
		2437	37.759	2418.184	2455.943	---	---
		2452	37.808	2433.113	2470.921	---	---

Test Graphs

11B_Ant1_2412



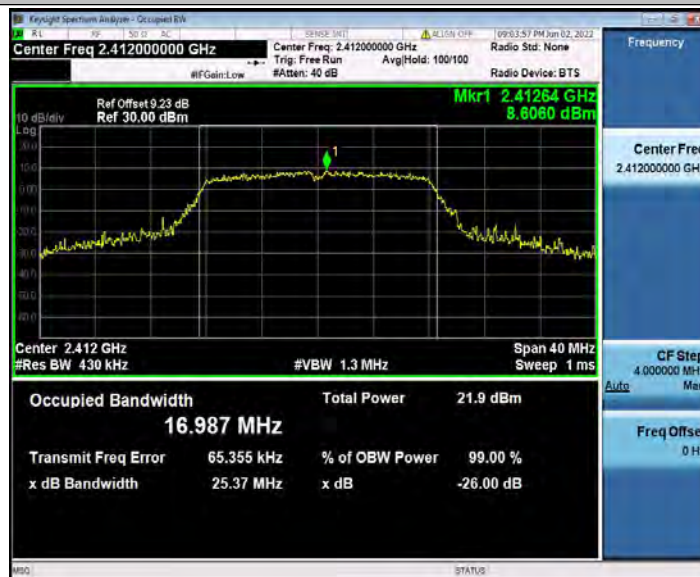
11B_Ant1_2437



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



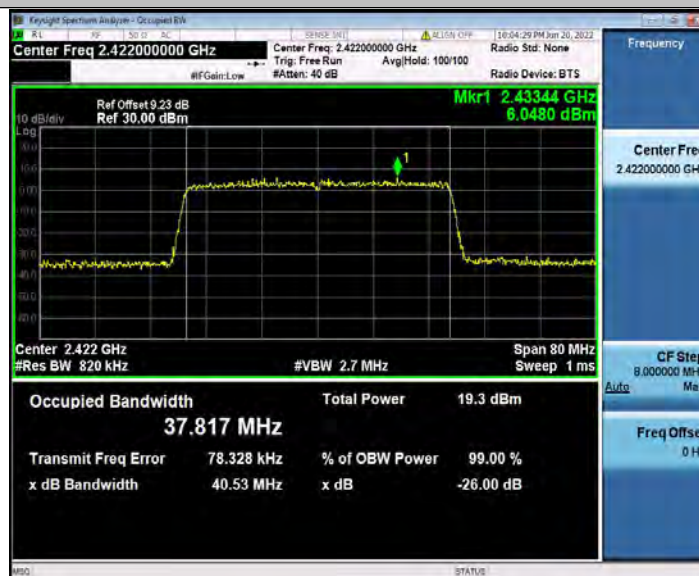
11AX20SISO_Ant1_2437



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	-4.04	≤8.00	PASS
		2437	-3.09	≤8.00	PASS
		2462	-2.85	≤8.00	PASS
11G	Ant1	2412	-8.78	≤8.00	PASS
		2437	-11.81	≤8.00	PASS
		2462	-11.49	≤8.00	PASS
11N20SISO	Ant1	2412	-10.06	≤8.00	PASS
		2437	-12.09	≤8.00	PASS
		2462	-9.37	≤8.00	PASS
11N40SISO	Ant1	2422	-13.64	≤8.00	PASS
		2437	-12.55	≤8.00	PASS
		2452	-12.15	≤8.00	PASS
11AX20SISO O	Ant1	2412	-12.04	≤8.00	PASS
		2437	-11.77	≤8.00	PASS
		2462	-12.51	≤8.00	PASS
11AX40SISO O	Ant1	2422	-14.73	≤8.00	PASS
		2437	-14.01	≤8.00	PASS
		2452	-14.33	≤8.00	PASS

Test Graphs

11B_Ant1_2412



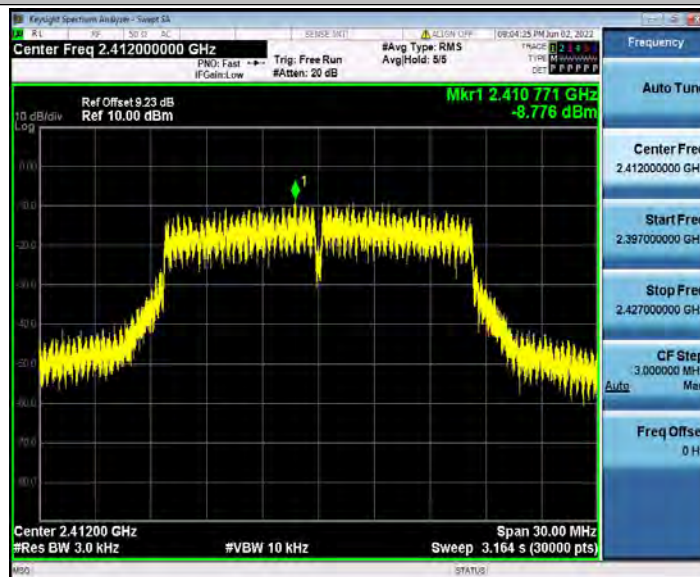
11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2437



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2437



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



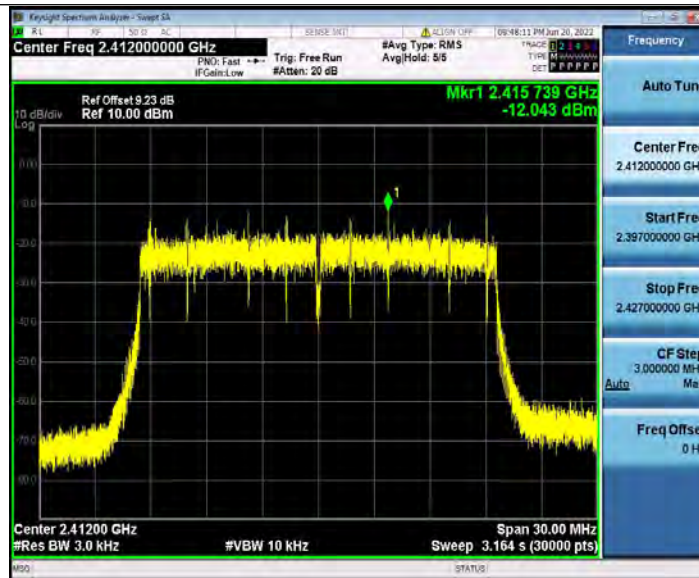
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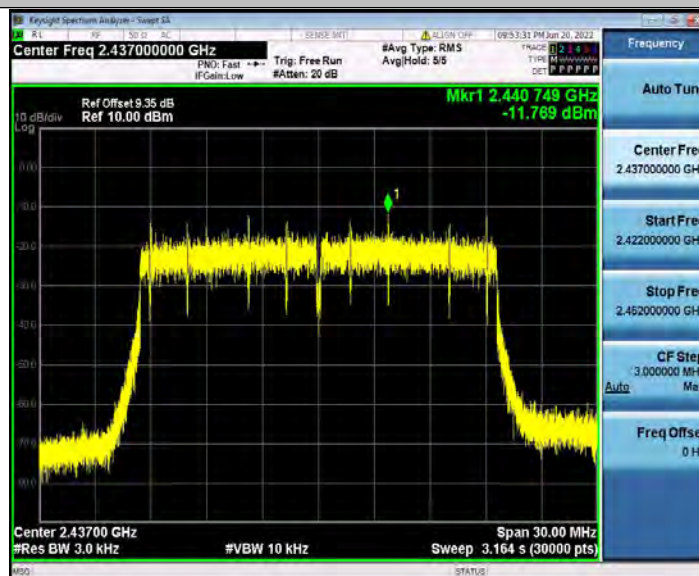
11N40SISO_Ant1_2452



11AX20SISO_Ant1_2412



11AX20SISO_Ant1_2437



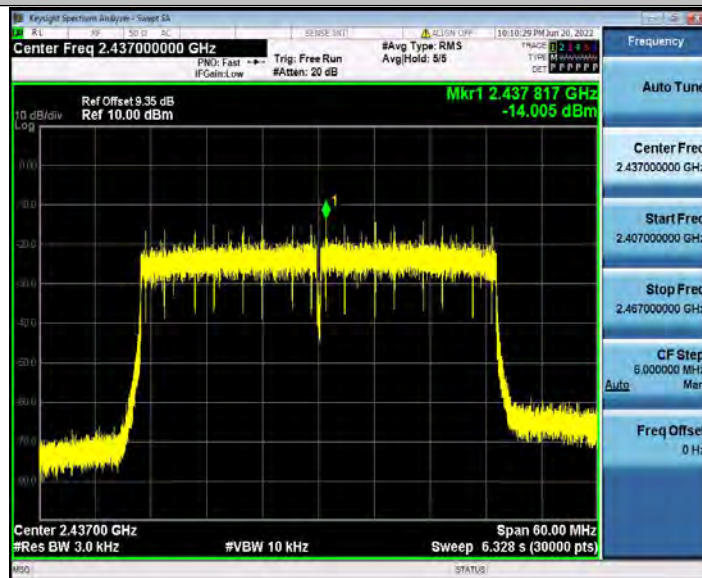
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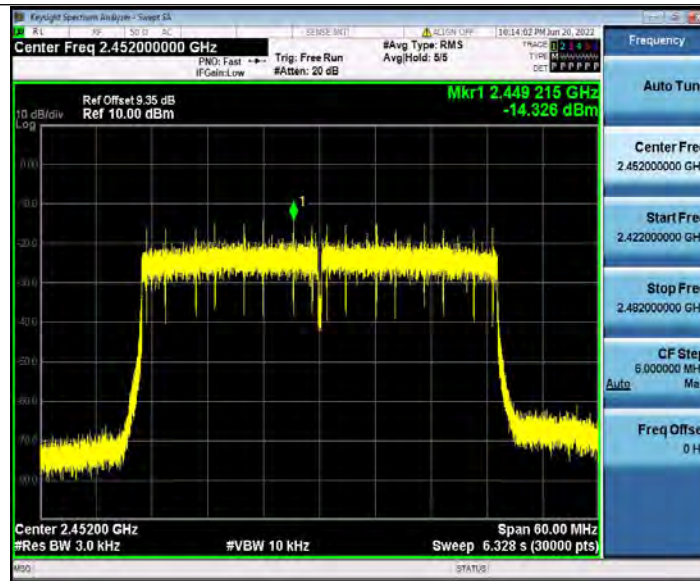
11AX40SISO_Ant1_2422



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	10.14	-30.27	≤-9.86	PASS
		High	2462	11.37	-44.88	≤-8.63	PASS
11G	Ant1	Low	2412	2.37	-25.39	≤-17.63	PASS
		High	2462	0.26	-47.32	≤-19.75	PASS
11N20SISO	Ant1	Low	2412	1.04	-28.52	≤-18.97	PASS
		High	2462	2.63	-40.82	≤-17.37	PASS
11N40SISO	Ant1	Low	2422	-2.03	-33.69	≤-22.03	PASS
		High	2452	-1.07	-39.11	≤-21.07	PASS
11AX20SISO	Ant1	Low	2412	-2.42	-47.47	≤-22.42	PASS
		High	2462	-2.49	-48.98	≤-22.49	PASS
11AX40SISO	Ant1	Low	2422	-4.03	-47.4	≤-24.03	PASS
		High	2452	-3.72	-46.65	≤-23.72	PASS

Test Graphs

11B_Ant1_Low_2412



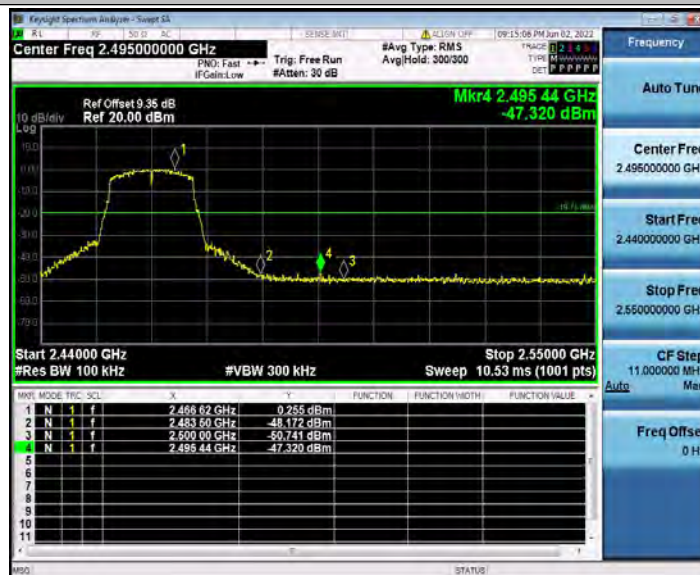
11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422



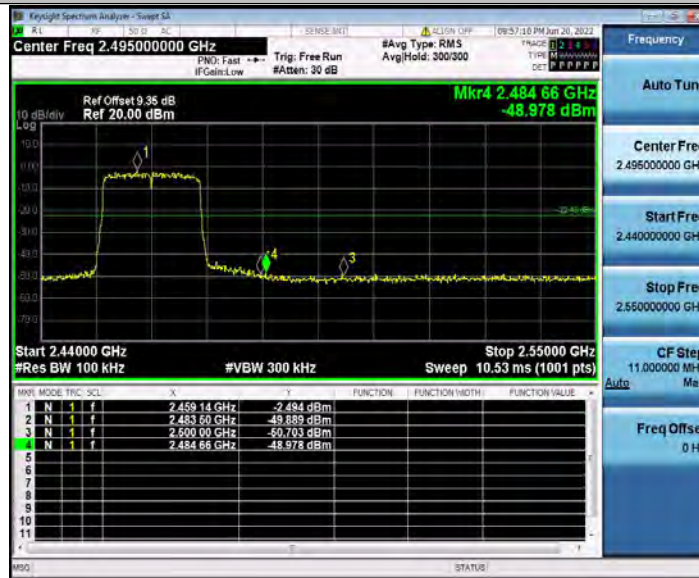
11N40SISO_Ant1_High_2452



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	8.03	8.03	---	PASS
			30~1000	8.03	-58.35	≤-11.97	PASS
			1000~26500	8.03	-40.56	≤-11.97	PASS
		2437	Reference	9.18	9.18	---	PASS
			30~1000	9.18	-54.82	≤-10.82	PASS
			1000~26500	9.18	-40.05	≤-10.82	PASS
		2462	Reference	10.87	10.87	---	PASS
			30~1000	10.87	-59.18	≤-9.13	PASS
			1000~26500	10.87	-41.8	≤-9.13	PASS
11G	Ant1	2412	Reference	1.51	1.51	---	PASS
			30~1000	1.51	-60.49	≤-18.49	PASS
			1000~26500	1.51	-47.61	≤-18.49	PASS
		2437	Reference	-0.89	-0.89	---	PASS
			30~1000	-0.89	-60.37	≤-20.89	PASS
			1000~26500	-0.89	-47.68	≤-20.89	PASS
		2462	Reference	-0.10	-0.10	---	PASS
			30~1000	-0.10	-60.64	≤-20.1	PASS
			1000~26500	-0.10	-47.75	≤-20.1	PASS
11N20SISO	Ant1	2412	Reference	0.48	0.48	---	PASS
			30~1000	0.48	-59.69	≤-19.52	PASS
			1000~26500	0.48	-46.97	≤-19.52	PASS
		2437	Reference	-1.23	-1.23	---	PASS
			30~1000	-1.23	-60.35	≤-21.23	PASS
			1000~26500	-1.23	-47.17	≤-21.23	PASS
		2462	Reference	2.17	2.17	---	PASS
			30~1000	2.17	-60.12	≤-17.83	PASS
			1000~26500	2.17	-47.11	≤-17.83	PASS
11N40SISO	Ant1	2422	Reference	-2.30	-2.30	---	PASS
			30~1000	-2.30	-60.99	≤-22.3	PASS
			1000~26500	-2.30	-47.35	≤-22.3	PASS
		2437	Reference	-1.35	-1.35	---	PASS
			30~1000	-1.35	-60.19	≤-21.35	PASS
			1000~26500	-1.35	-47.54	≤-21.35	PASS
		2452	Reference	-2.06	-2.06	---	PASS
			30~1000	-2.06	-60.3	≤-22.06	PASS
			1000~26500	-2.06	-47.57	≤-22.06	PASS
11AX20SIS	Ant1	2412	Reference	3.22	3.22	---	PASS

O			30~1000	3.22	-59.59	≤ -16.78	PASS
			1000~26500	3.22	-47.81	≤ -16.78	PASS
		2437	Reference	-2.54	-2.54	---	PASS
			30~1000	-2.54	-60.51	≤ -22.54	PASS
			1000~26500	-2.54	-47.17	≤ -22.54	PASS
		2462	Reference	-4.00	-4.00	---	PASS
			30~1000	-4.00	-60.48	≤ -24	PASS
			1000~26500	-4.00	-47.59	≤ -24	PASS
11AX40SIS O	Ant1	2422	Reference	-5.69	-5.69	---	PASS
			30~1000	-5.69	-59.76	≤ -25.69	PASS
			1000~26500	-5.69	-47.22	≤ -25.69	PASS
		2437	Reference	-5.36	-5.36	---	PASS
			30~1000	-5.36	-60.11	≤ -25.36	PASS
			1000~26500	-5.36	-47.64	≤ -25.36	PASS
		2452	Reference	-5.87	-5.87	---	PASS
			30~1000	-5.87	-60.19	≤ -25.87	PASS
			1000~26500	-5.87	-48.06	≤ -25.87	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



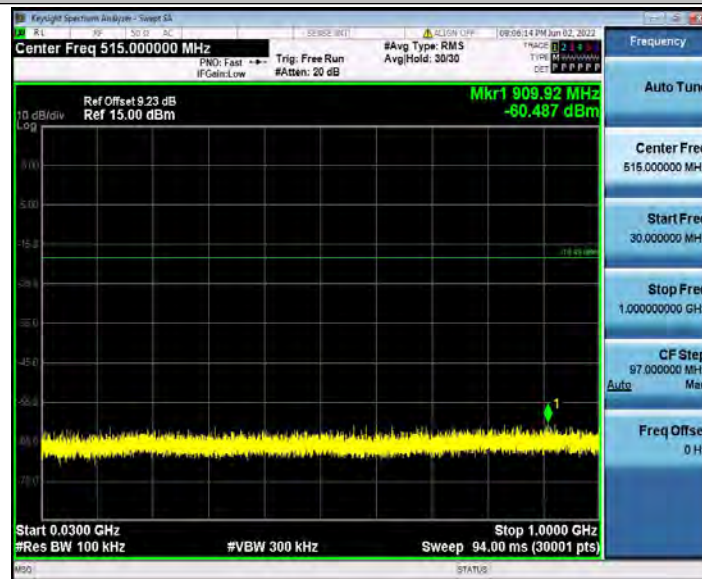
11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_30~1000



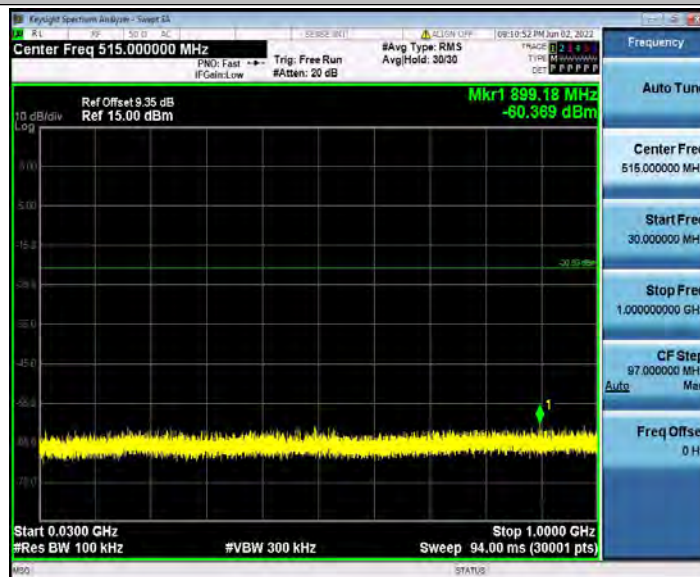
11G_Ant1_2412_1000~26500



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



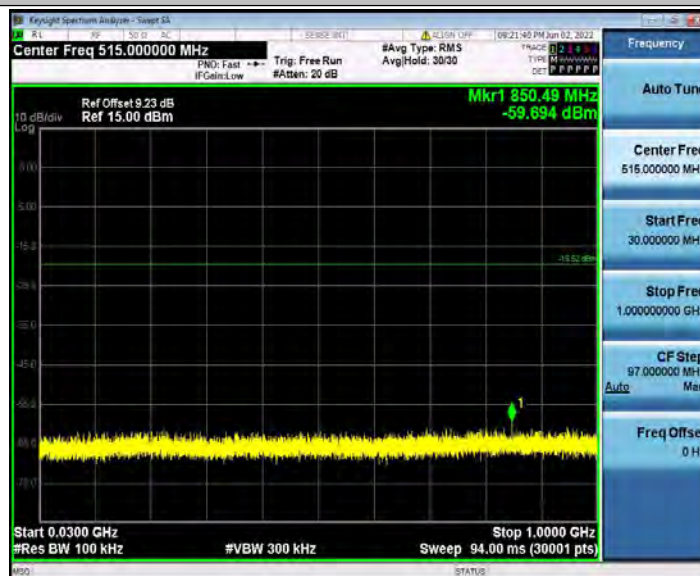
11G_Ant1_2462_1000~26500



11N20SISO_Ant1_2412_0~Reference



11N20SISO_Ant1_2412_30~1000



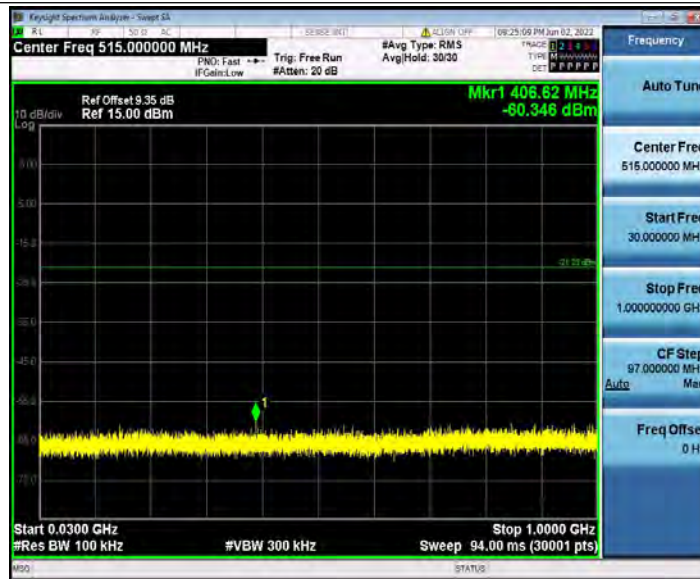
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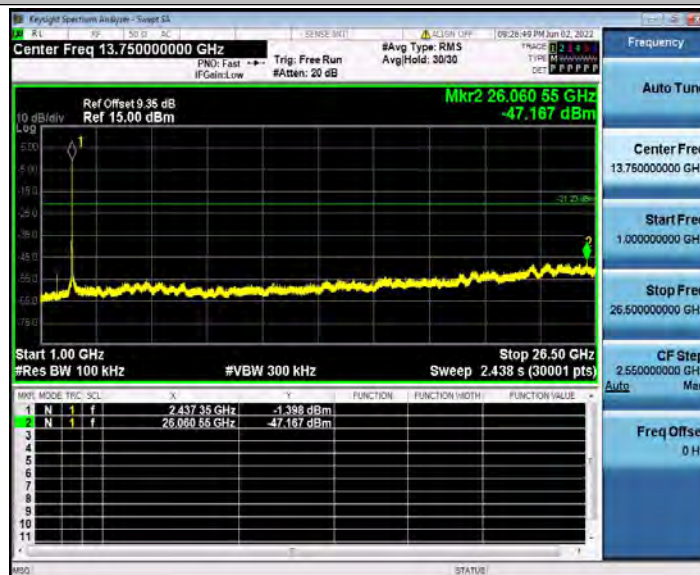
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11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_30~1000



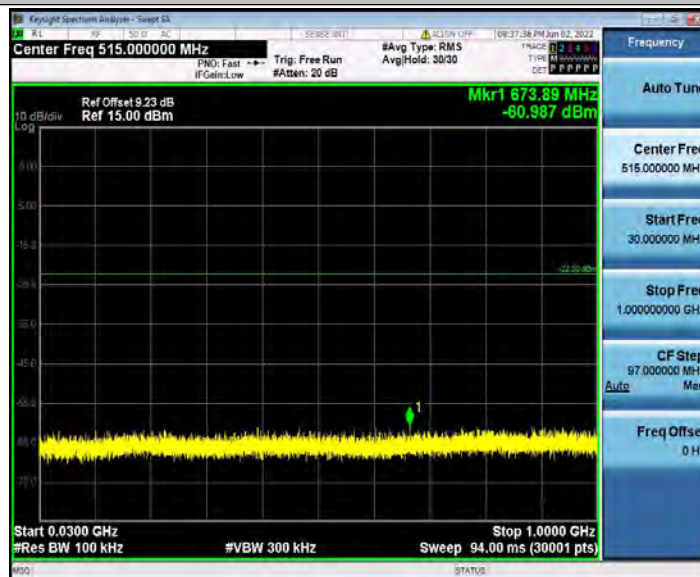
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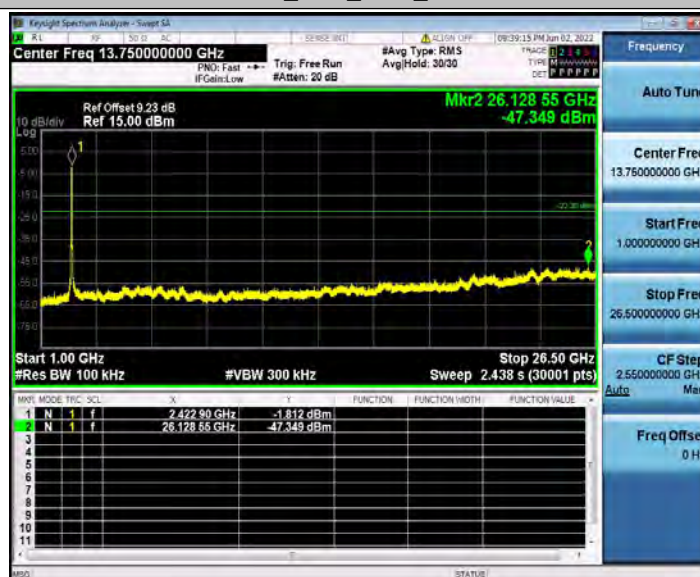
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_30~1000



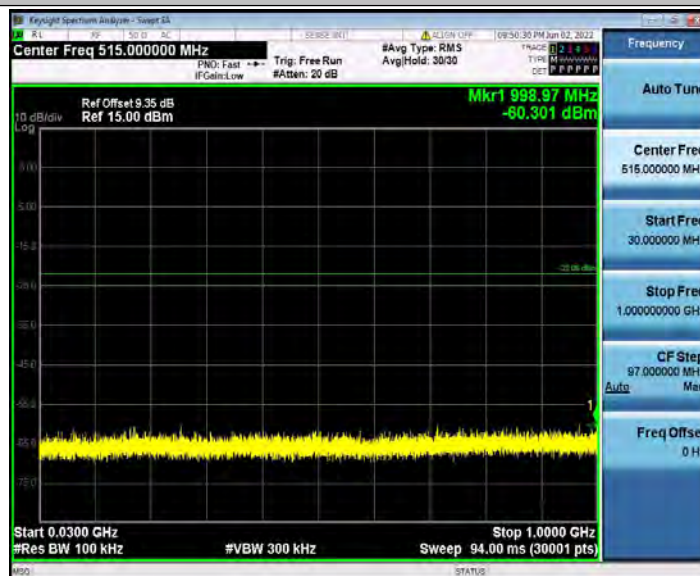
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11N40SISO_Ant1_2452_0~Reference



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



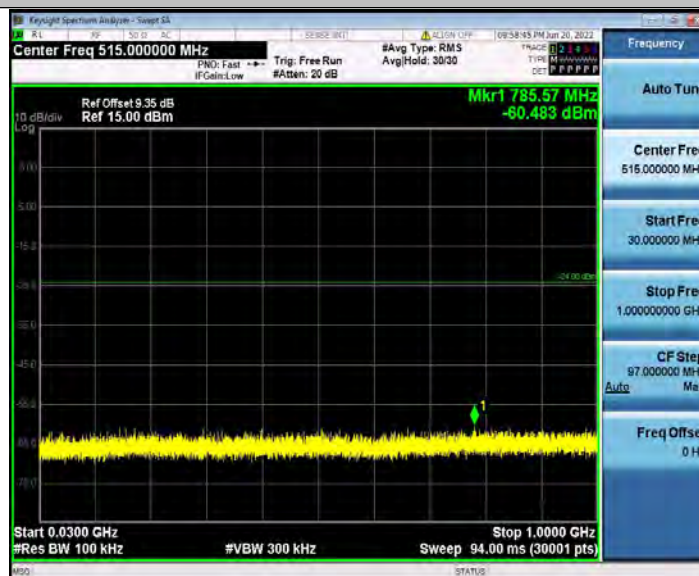
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11AX20SISO_Ant1_2462_0~Reference



11AX20SISO_Ant1_2462_30~1000



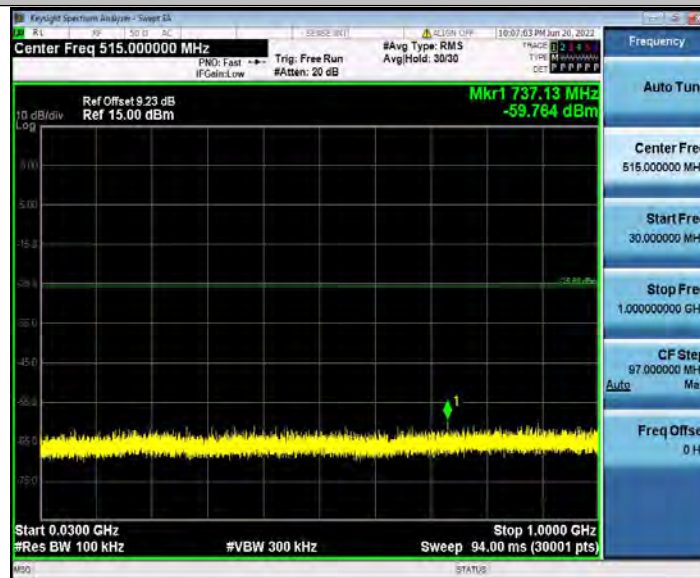
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11AX40SISO_Ant1_2422_30~1000



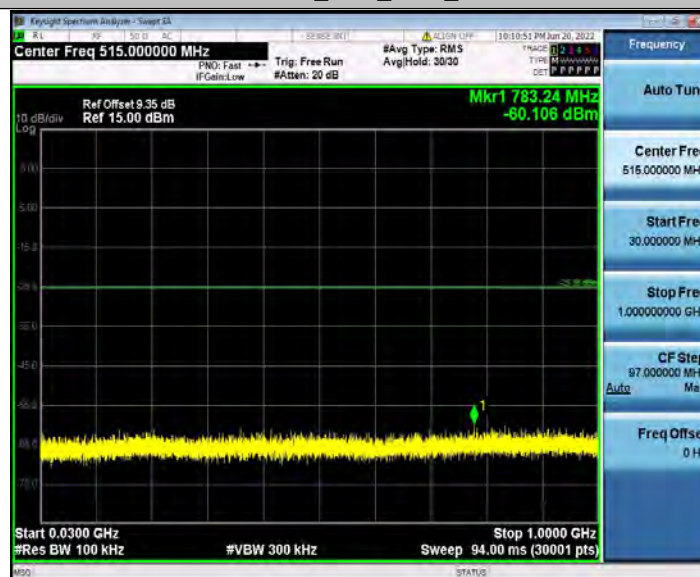
11AX40SISO_Ant1_2422_1000~26500



11AX40SISO_Ant1_2437_0~Reference



11AX40SISO_Ant1_2437_30~1000



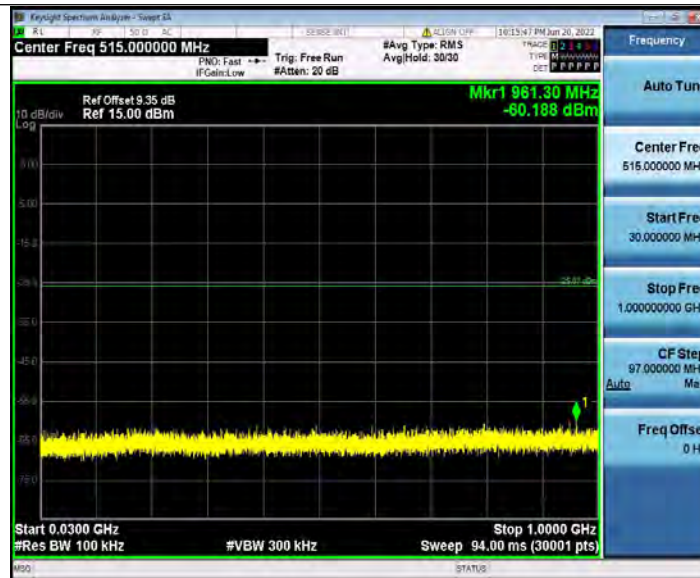
11AX40SISO_Ant1_2437_1000~26500



11AX40SISO_Ant1_2452_0~Reference



11AX40SISO_Ant1_2452_30~1000



11AX40SISO_Ant1_2452_1000~26500

