

Case No. : <u>GTS20250107026-2-05</u>	
Ambient Condition: <u>21</u> °C, <u>51</u> %RH	
According Standard: ■Part15E	
Test Date: <u>2025.1.18</u>	Test Engineer: <u>Evan ouyang</u>

Appendix D.1: Emission Bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	26db EBW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	22.640	5168.880	5191.520	---	---
		5200	22.760	5188.680	5211.440	---	---
		5240	22.880	5228.360	5251.240	---	---
11N20SISO	Ant1	5180	22.800	5168.840	5191.640	---	---
		5200	22.880	5188.800	5211.680	---	---
		5240	23.240	5228.800	5252.040	---	---
11N40SISO	Ant1	5190	42.400	5169.200	5211.600	---	---
		5230	43.200	5208.400	5251.600	---	---
11AC20SISO	Ant1	5180	22.720	5168.880	5191.600	---	---
		5200	22.720	5188.800	5211.520	---	---
		5240	23.000	5228.520	5251.520	---	---
11AC40SISO	Ant1	5190	43.120	5169.040	5212.160	---	---
		5230	42.880	5208.640	5251.520	---	---
11AX20SISO	Ant1	5180	22.480	5168.800	5191.280	---	---
		5200	23.200	5188.560	5211.760	---	---
		5240	22.400	5228.680	5251.080	---	---
11AX40SISO	Ant1	5190	42.560	5169.360	5211.920	---	---
		5230	42.640	5208.320	5250.960	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



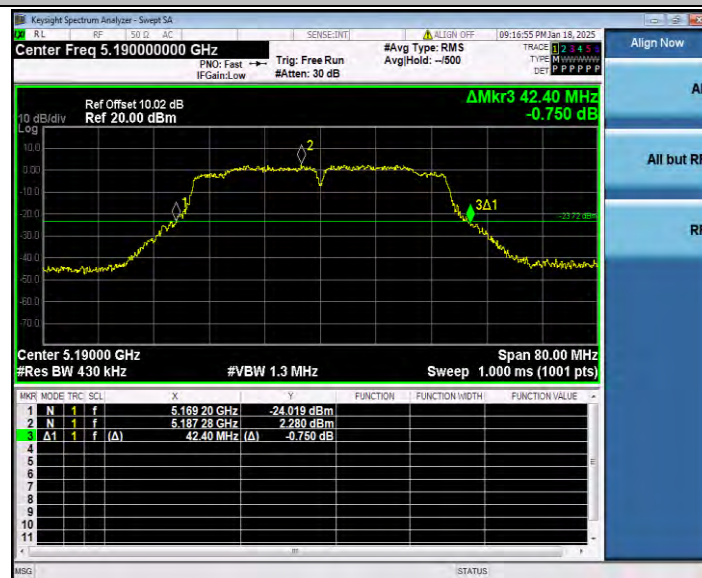
11N20SISO_Ant1_5200



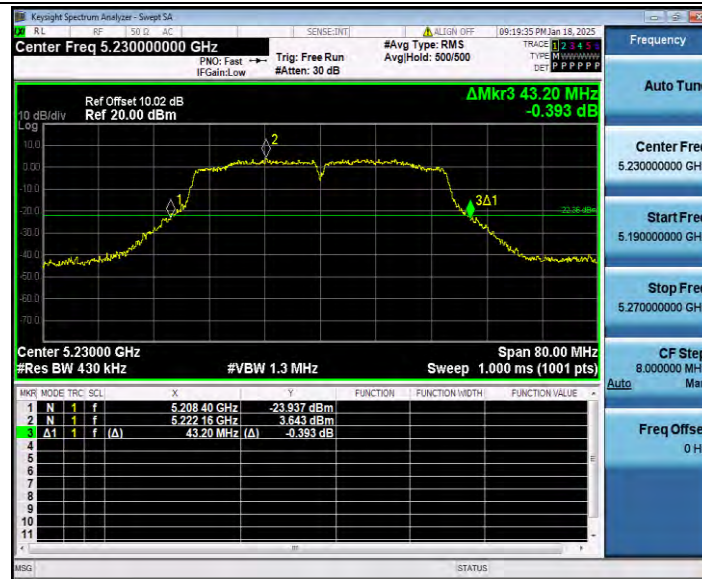
11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



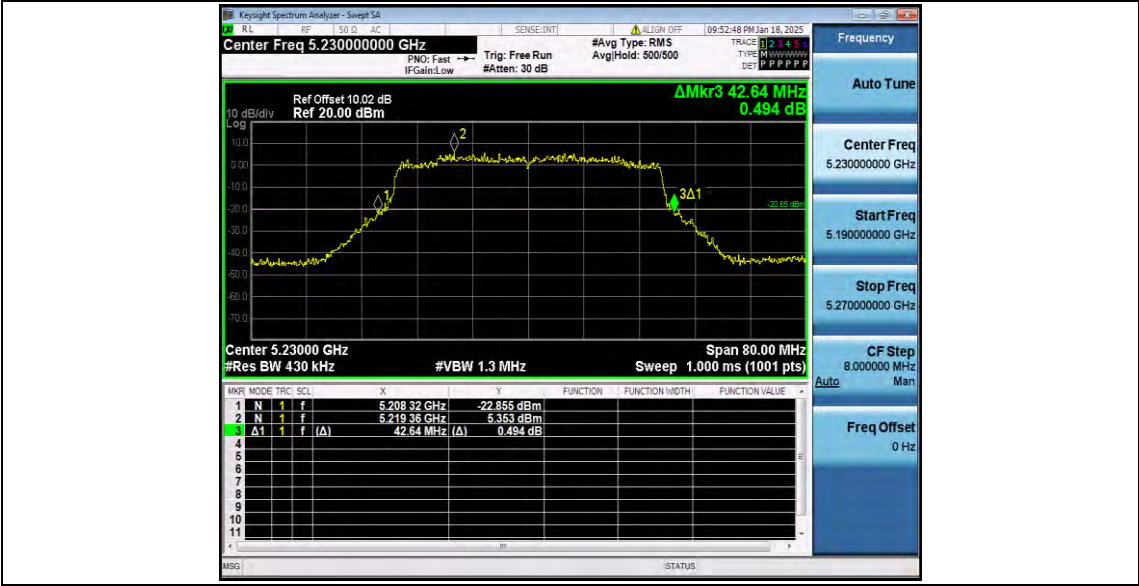
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11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



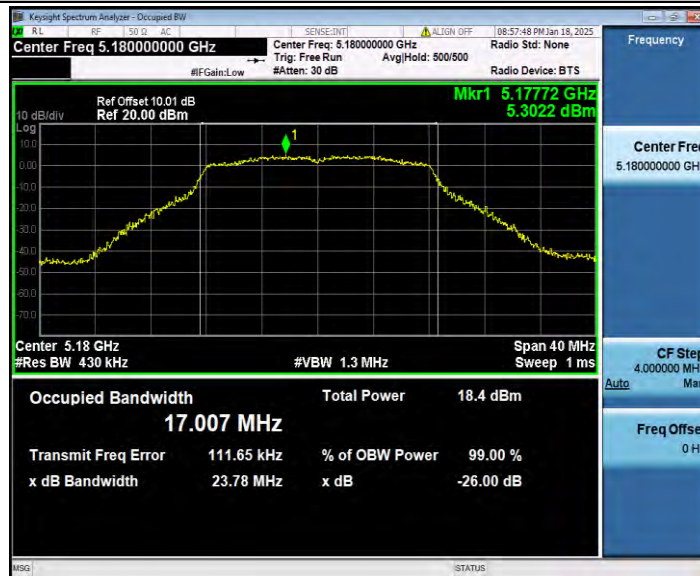
Appendix D.2: Occupied channel bandwidth

Test Result

TestMode	Antenna	Freq(MHz)	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11A	Ant1	5180	17.007	5171.6082	5188.6152	---	---
		5200	16.961	5191.5664	5208.5274	---	---
		5240	16.989	5231.5662	5248.5552	---	---
11N20SISO	Ant1	5180	18.037	5171.0567	5189.0937	---	---
		5200	18.009	5191.0330	5209.0420	---	---
		5240	17.971	5231.0448	5249.0158	---	---
11N40SISO	Ant1	5190	36.220	5171.9656	5208.1856	---	---
		5230	36.160	5211.9628	5248.1228	---	---
11AC20SISO	Ant1	5180	17.974	5171.0871	5189.0611	---	---
		5200	17.961	5191.0838	5209.0448	---	---
		5240	17.997	5231.0756	5249.0726	---	---
11AC40SISO	Ant1	5190	36.136	5172.0081	5208.1441	---	---
		5230	36.111	5211.9947	5248.1057	---	---
11AX20SISO	Ant1	5180	18.944	5170.5666	5189.5106	---	---
		5200	18.966	5190.5551	5209.5211	---	---
		5240	18.918	5230.5672	5249.4852	---	---
11AX40SISO	Ant1	5190	37.630	5171.2948	5208.9248	---	---
		5230	37.661	5211.2396	5248.9006	---	---

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



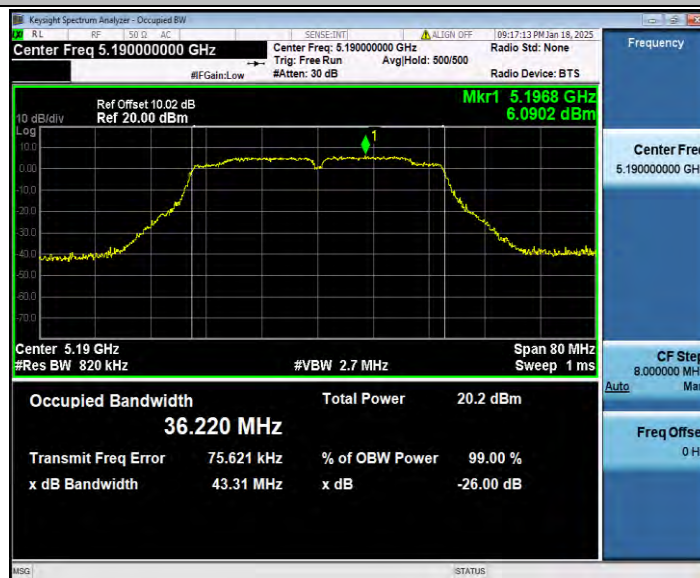
11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



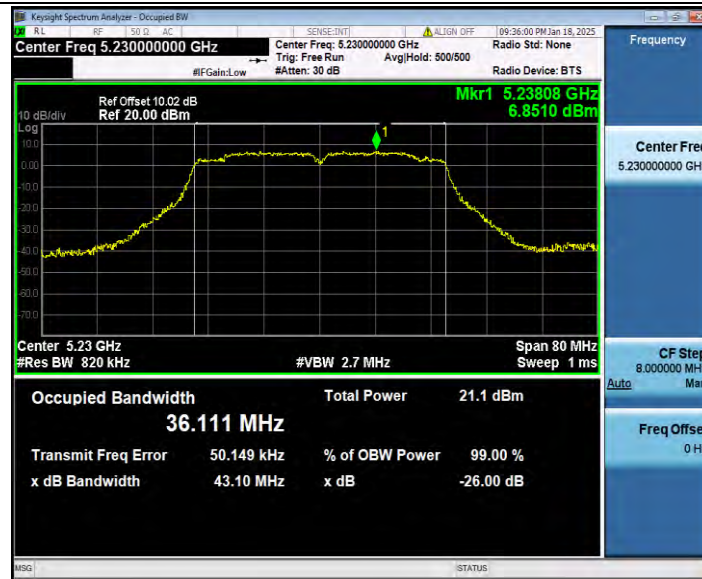
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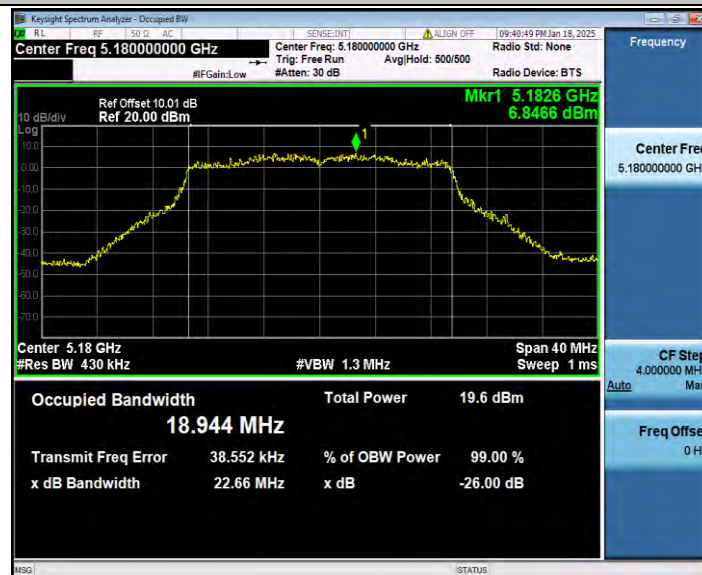
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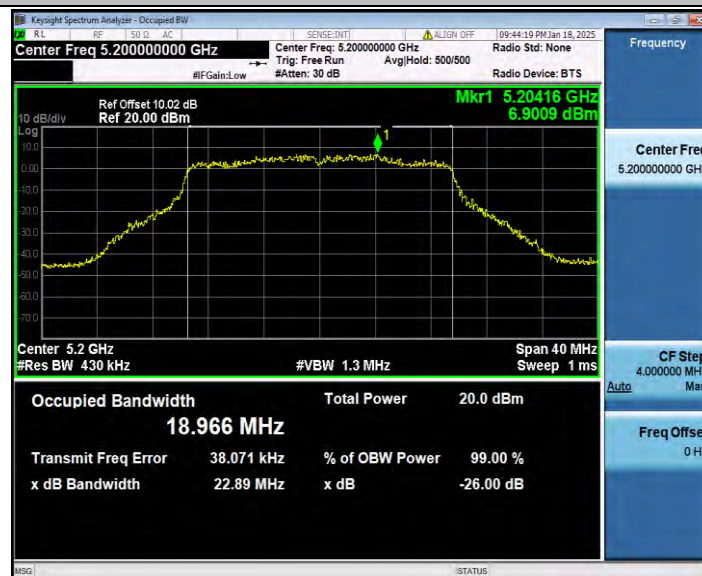
11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



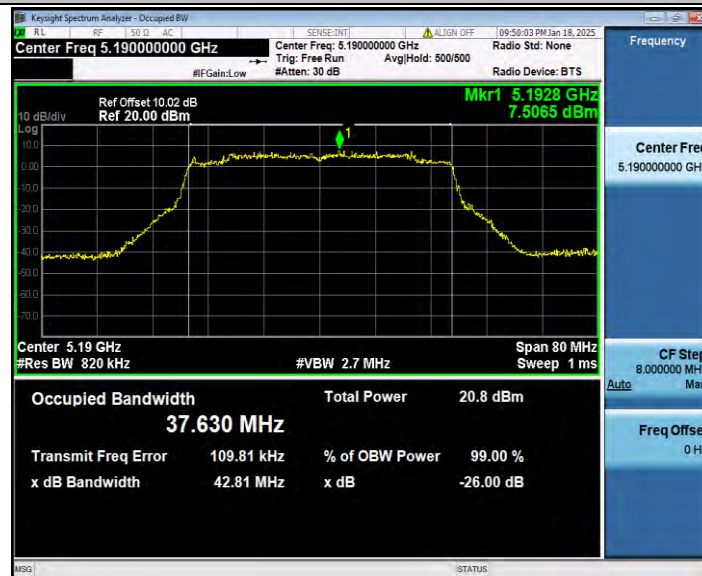
11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

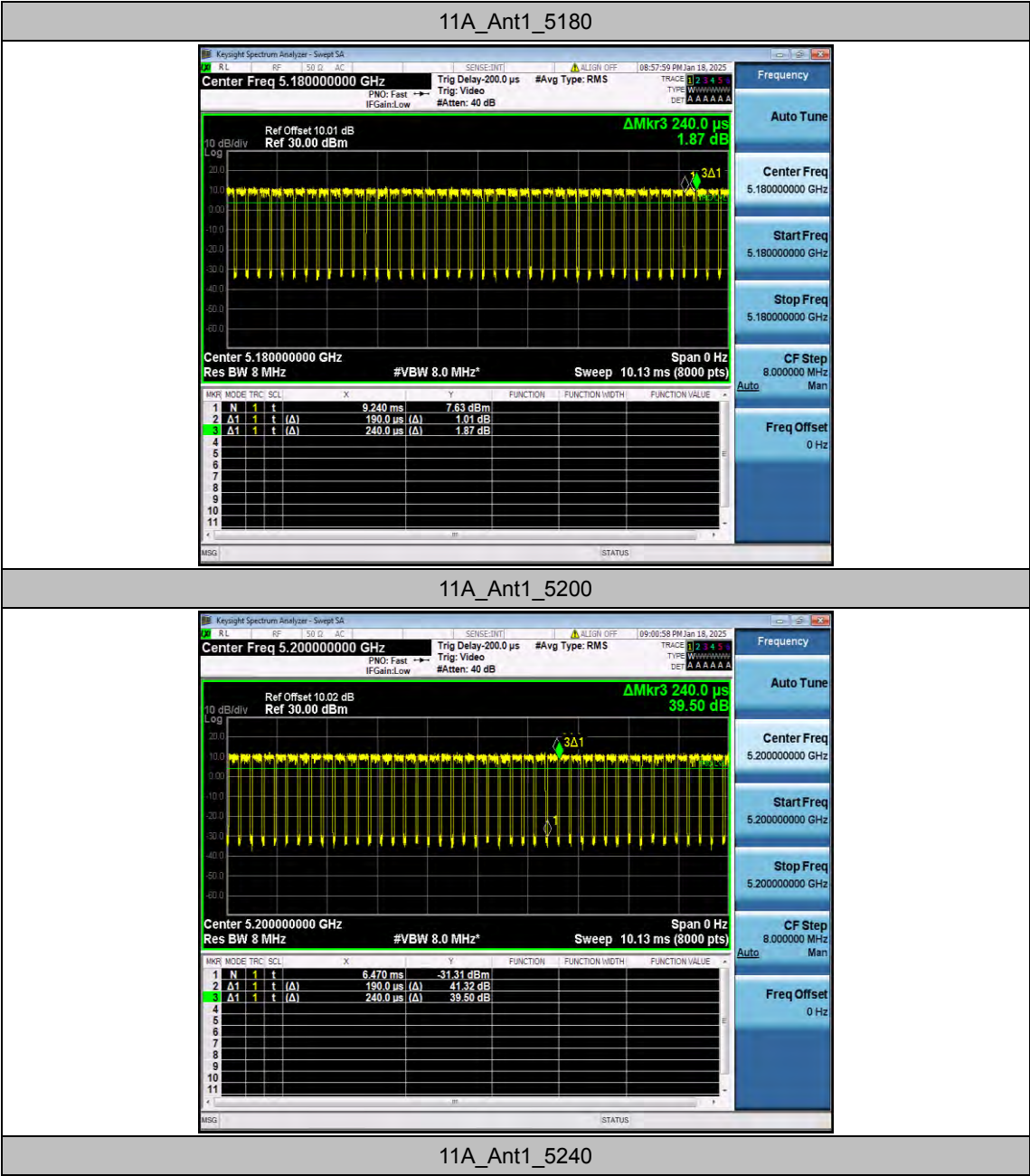


Appendix D.3: Duty Cycle

Test Result

TestMode	Antenna	Freq(MHz)	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]	Duty Cycle Factor[dB]	1/T Factor[KHz]
11A	Ant1	5180	0.19	0.24	79.17	1.01	5.26
		5200	0.19	0.24	79.17	1.01	5.26
		5240	0.19	0.24	79.17	1.01	5.26
11N20SISO	Ant1	5180	0.21	0.26	80.77	0.93	4.76
		5200	0.21	0.26	80.77	0.93	4.76
		5240	0.21	0.25	84.00	0.76	4.76
11N40SISO	Ant1	5190	0.20	0.25	80.00	0.97	5.00
		5230	0.20	0.25	80.00	0.97	5.00
11AC20SISO	Ant1	5180	0.20	0.25	80.00	0.97	5.00
		5200	0.20	0.25	80.00	0.97	5.00
		5240	0.20	0.25	80.00	0.97	5.00
11AC40SISO	Ant1	5190	0.19	0.24	79.17	1.01	5.26
		5230	0.19	0.23	82.61	0.83	5.26
11AX20SISO	Ant1	5180	0.28	0.33	84.85	0.71	3.57
		5200	0.28	0.33	84.85	0.71	3.57
		5240	0.27	0.32	84.38	0.74	3.70
11AX40SISO	Ant1	5190	0.18	0.23	78.26	1.06	5.56
		5230	0.18	0.23	78.26	1.06	5.56

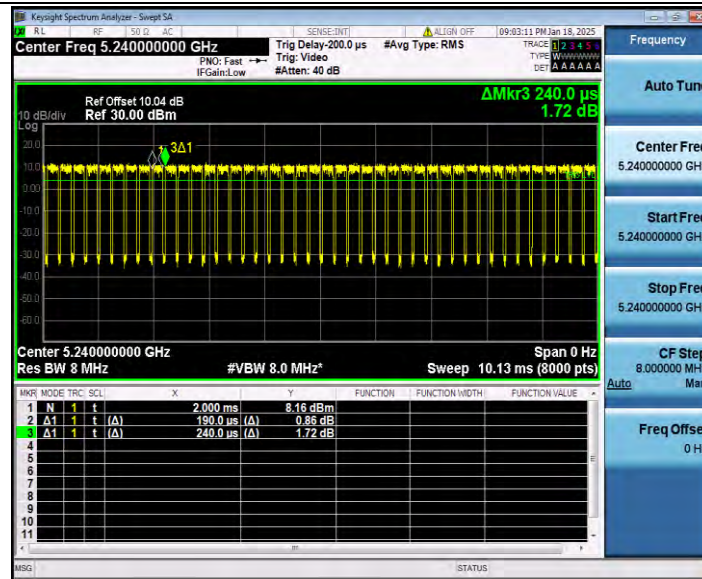
Test Graphs



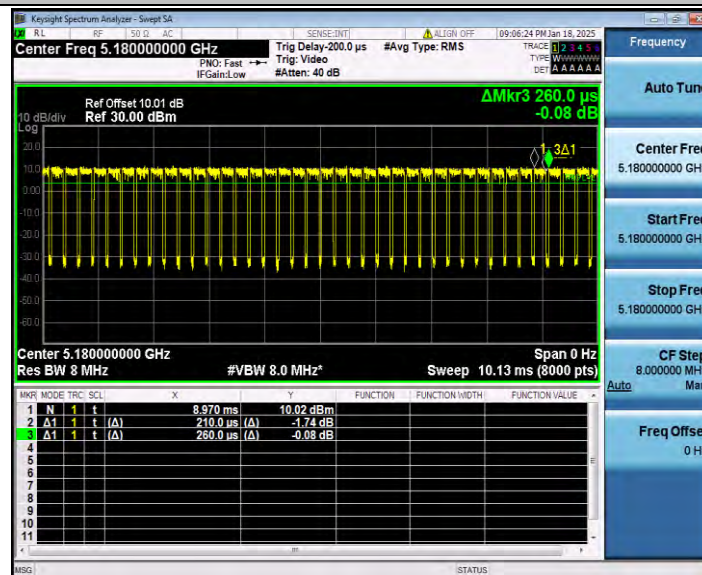
11A_Ant1_5200

Frequency
Auto Tune
Center Freq 5.200000000 GHz
Start Freq 5.200000000 GHz
Stop Freq 5.200000000 GHz
CF Step 8.0000000 MHz
Freq Offset 0 Hz

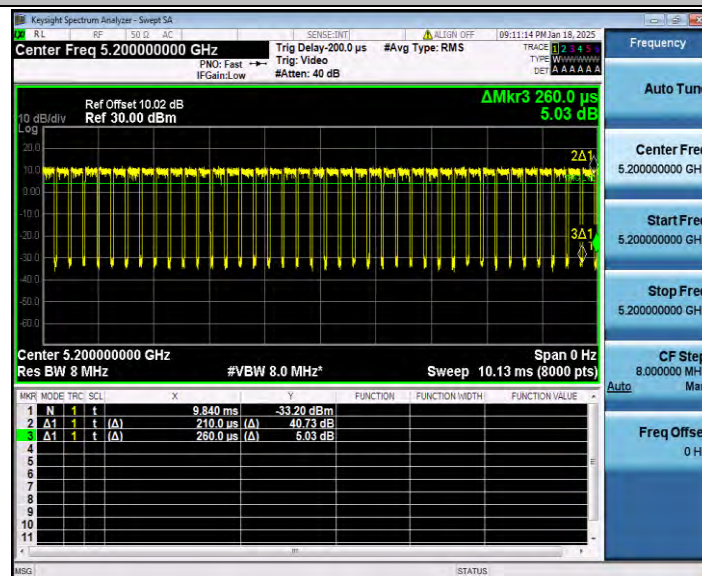
11A_Ant1_5240



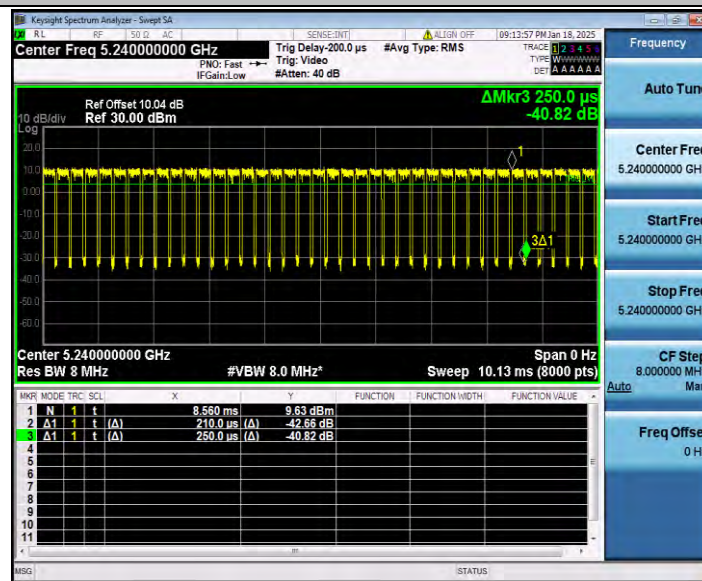
11N20SISO_Ant1_5180



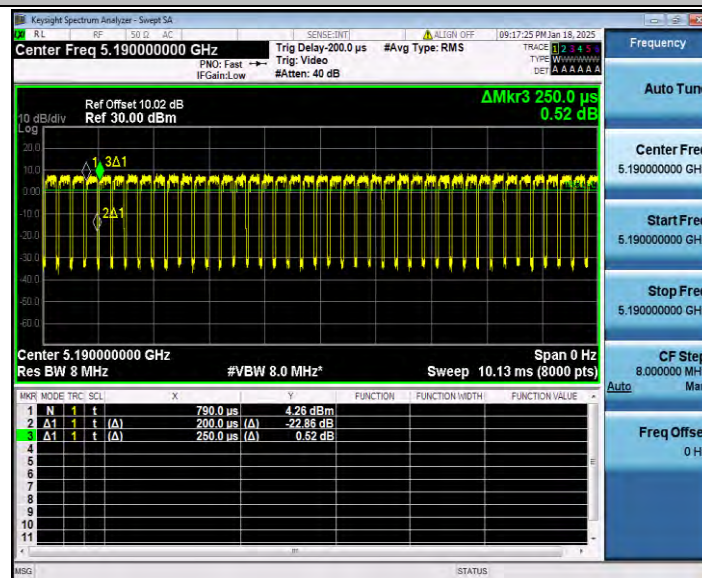
11N20SISO_Ant1_5200



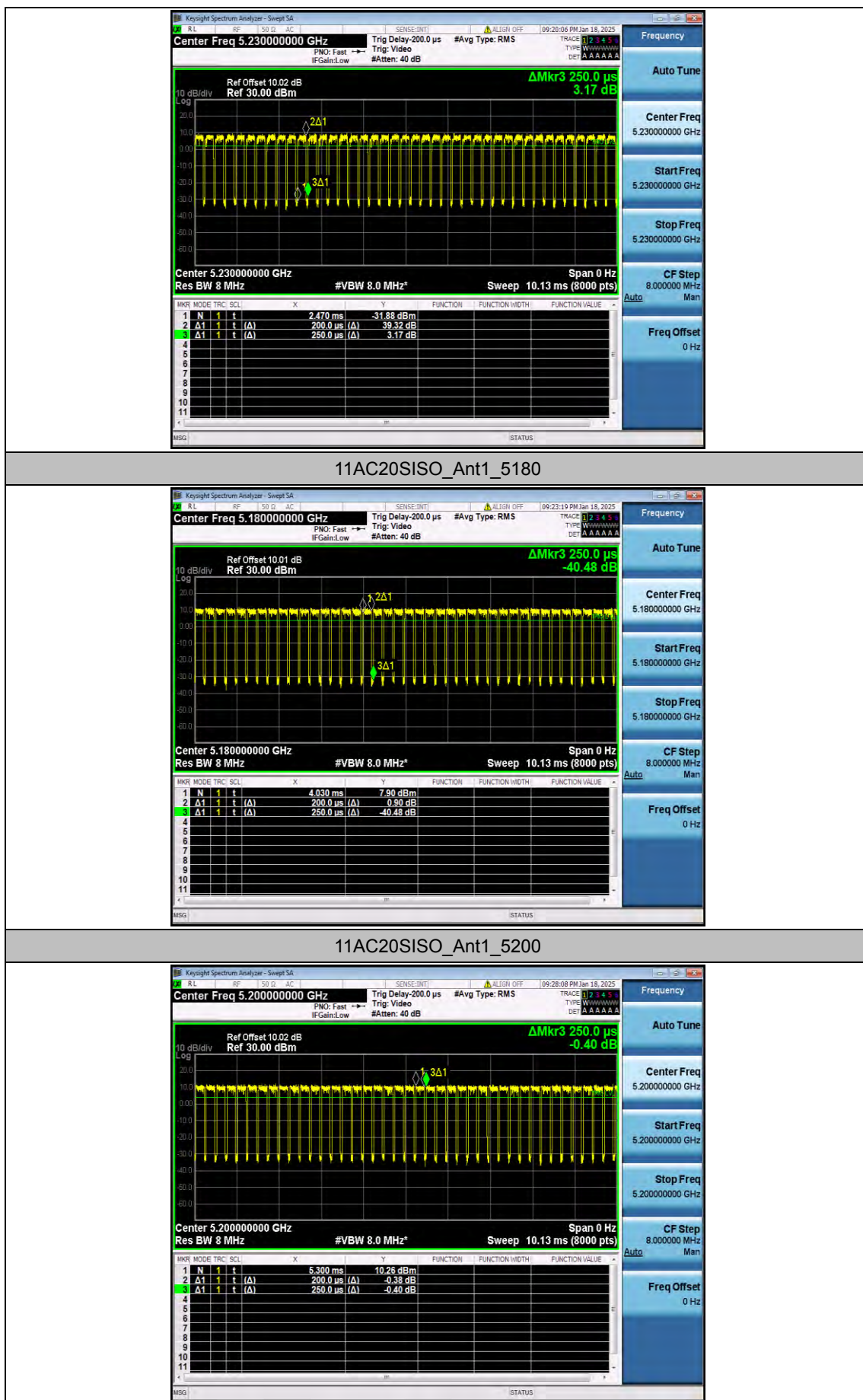
11N20SISO_Ant1_5240



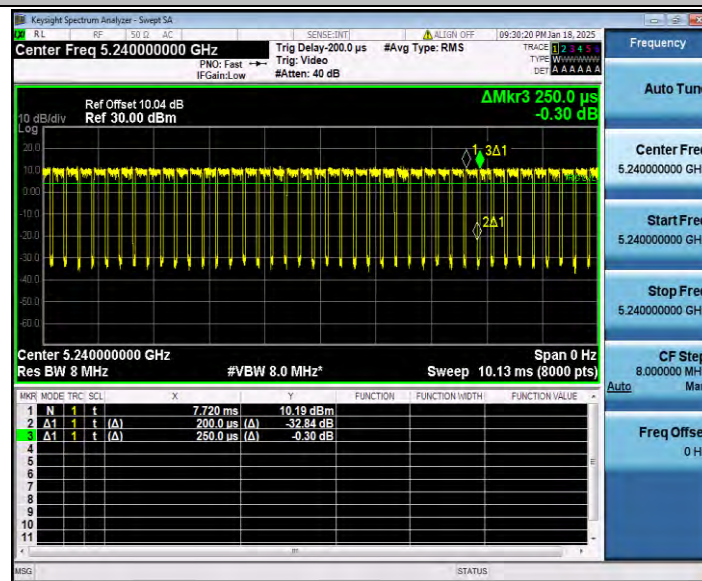
11N40SISO_Ant1_5190



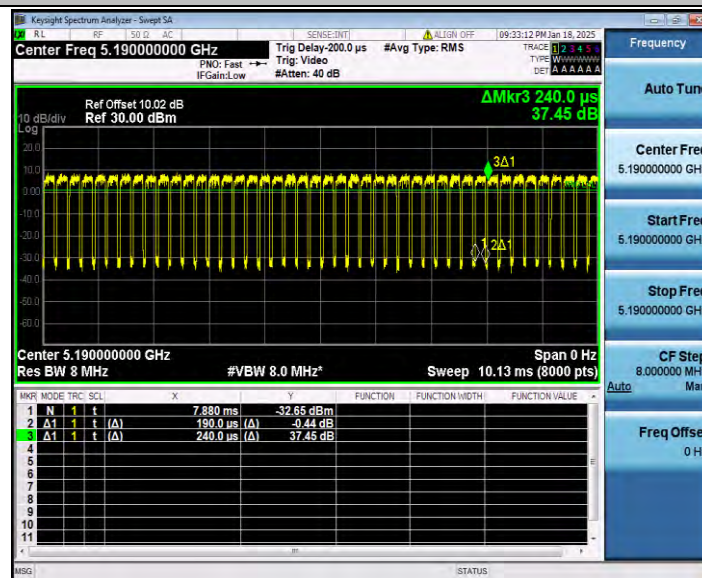
11N40SISO_Ant1_5230



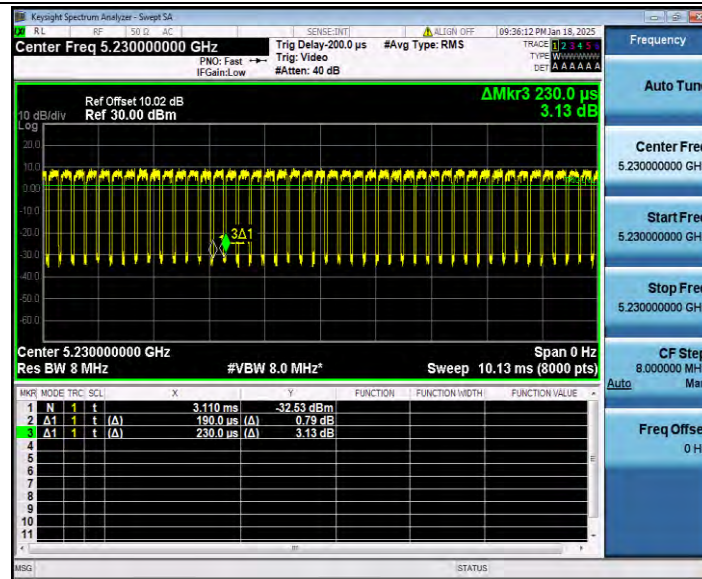
11AC20SISO_Ant1_5240



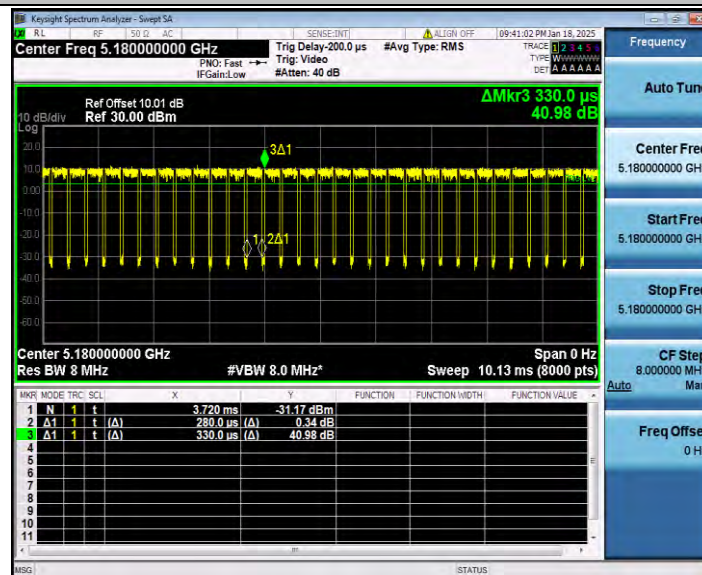
11AC40SISO_Ant1_5190



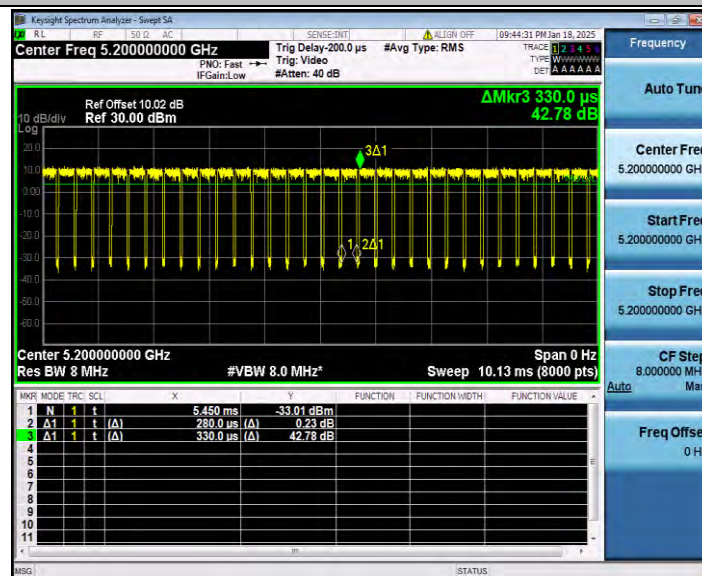
11AC40SISO_Ant1_5230



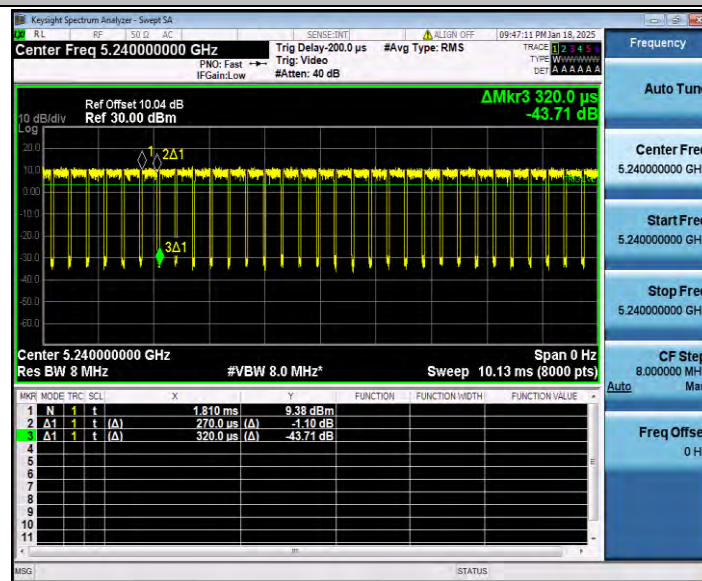
11AX20SISO_Ant1_5180



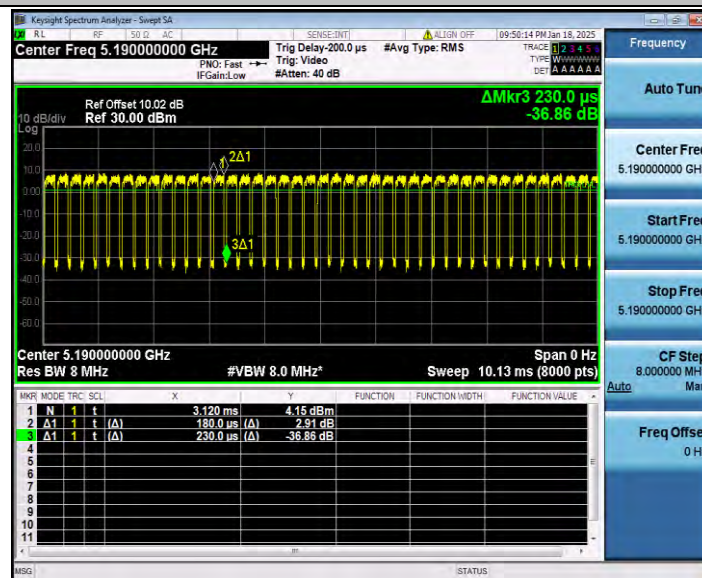
11AX20SISO_Ant1_5200



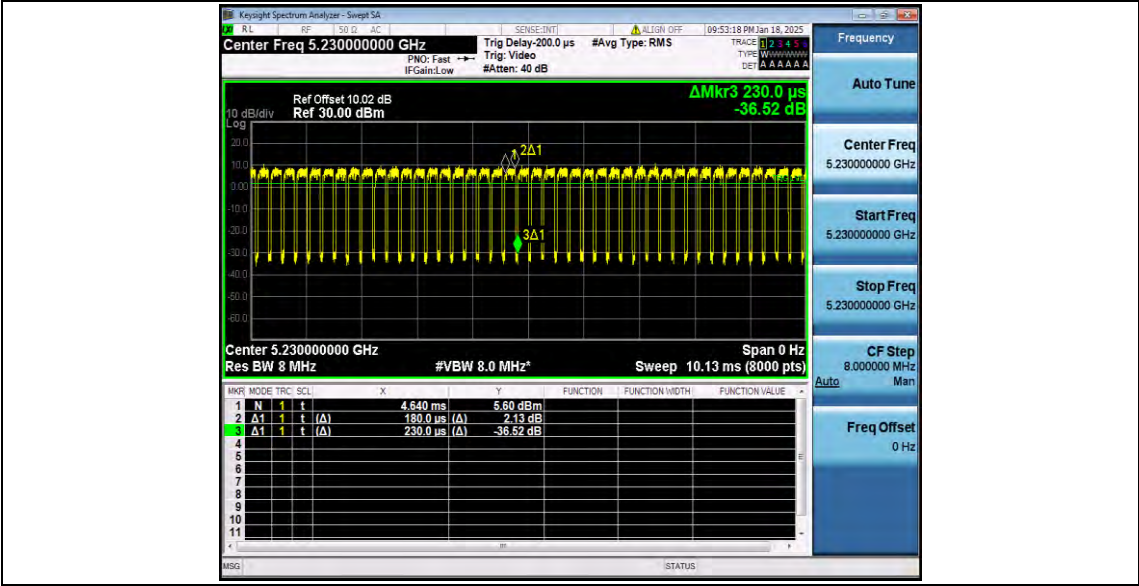
11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230



Appendix D.4: Maximum conducted output power

Test Result Channel Power

Test Mode	Antenna	Freq(MHz)	Channel Power [dBm]	Duty Cycle [%]	DC Factor [dBm]	Result [dBm]	Limit [dBm]	Verdict
11A	Ant1	5180	10.86	79.17	1.01	11.87	≤23.98	PASS
		5200	11.30	79.17	1.01	12.31	≤23.98	PASS
		5240	11.05	79.17	1.01	12.06	≤23.98	PASS
11N20SISO	Ant1	5180	10.84	80.77	0.93	11.77	≤23.98	PASS
		5200	11.28	80.77	0.93	12.21	≤23.98	PASS
		5240	10.96	84.00	0.76	11.72	≤23.98	PASS
11N40SISO	Ant1	5190	11.82	80.00	0.97	12.79	≤23.98	PASS
		5230	12.69	80.00	0.97	13.66	≤23.98	PASS
11AC20SISO	Ant1	5180	10.91	80.00	0.97	11.88	≤23.98	PASS
		5200	11.25	80.00	0.97	12.22	≤23.98	PASS
		5240	11.02	80.00	0.97	11.99	≤23.98	PASS
11AC40SISO	Ant1	5190	11.77	79.17	1.01	12.78	≤23.98	PASS
		5230	12.58	82.61	0.83	13.41	≤23.98	PASS
11AX20SISO	Ant1	5180	10.84	84.85	0.71	11.55	≤23.98	PASS
		5200	11.25	84.85	0.71	11.96	≤23.98	PASS
		5240	10.96	84.38	0.74	11.70	≤23.98	PASS
11AX40SISO	Ant1	5190	11.42	78.26	1.06	12.48	≤23.98	PASS
		5230	12.26	78.26	1.06	13.32	≤23.98	PASS

Appendix D.5: Maximum power spectral density

Test Result

TestMode	Antenna	Freq(MHz)	Result [dBm/MHz]	Limit[dBm/MHz]	Verdict
11A	Ant1	5180	0.98	≤11.00	PASS
		5200	1.44	≤11.00	PASS
		5240	1.28	≤11.00	PASS
11N20SISO	Ant1	5180	0.87	≤11.00	PASS
		5200	1.27	≤11.00	PASS
		5240	0.88	≤11.00	PASS
11N40SISO	Ant1	5190	-1.30	≤11.00	PASS
		5230	-0.60	≤11.00	PASS
11AC20SISO	Ant1	5180	0.95	≤11.00	PASS
		5200	1.23	≤11.00	PASS
		5240	1.00	≤11.00	PASS
11AC40SISO	Ant1	5190	-1.40	≤11.00	PASS
		5230	-0.81	≤11.00	PASS
11AX20SISO	Ant1	5180	0.40	≤11.00	PASS
		5200	0.73	≤11.00	PASS
		5240	0.50	≤11.00	PASS
11AX40SISO	Ant1	5190	-1.77	≤11.00	PASS
		5230	-1.04	≤11.00	PASS

Note: 1.The Result and Limit Unit is dBm/500 kHz in the band 5.725–5.85 GHz.
 2.The Duty Cycle Factor and RBW Factor is compensated in the graph.

Test Graphs

11A_Ant1_5180



11A_Ant1_5200



11A_Ant1_5240



11N20SISO_Ant1_5180



11N20SISO_Ant1_5200



11N20SISO_Ant1_5240



11N40SISO_Ant1_5190



11N40SISO_Ant1_5230



11AC20SISO_Ant1_5180



11AC20SISO_Ant1_5200



11AC20SISO_Ant1_5240



11AC40SISO_Ant1_5190



11AC40SISO_Ant1_5230



11AX20SISO_Ant1_5180



11AX20SISO_Ant1_5200



11AX20SISO_Ant1_5240



11AX40SISO_Ant1_5190



11AX40SISO_Ant1_5230

