AppendixA: DTS Bandwidth

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	1Mbps	10.000	2407.040	2417.040	0.5	PASS
11B	Ant1	2437	1Mbps	8.600	2432.960	2441.560	0.5	PASS
11B	Ant1	2462	1Mbps	9.120	2457.440	2466.560	0.5	PASS
11G	Ant1	2412	6Mbps	16.360	2403.840	2420.200	0.5	PASS
11G	Ant1	2437	6Mbps	16.360	2428.840	2445.200	0.5	PASS
11G	Ant1	2462	6Mbps	16.360	2453.840	2470.200	0.5	PASS
11N20SISO	Ant1	2412	MCS0	17.560	2403.240	2420.800	0.5	PASS
11N20SISO	Ant1	2437	MCS0	17.600	2428.200	2445.800	0.5	PASS
11N20SISO	Ant1	2462	MCS0	17.560	2453.240	2470.800	0.5	PASS
11N40SISO	Ant1	2422	MCS0	31.920	2406.320	2438.240	0.5	PASS
11N40SISO	Ant1	2437	MCS0	32.560	2420.760	2453.320	0.5	PASS
11N40SISO	Ant1	2452	MCS0	32.560	2435.760	2468.320	0.5	PASS

Test Graphs

11B-Ant1-2412

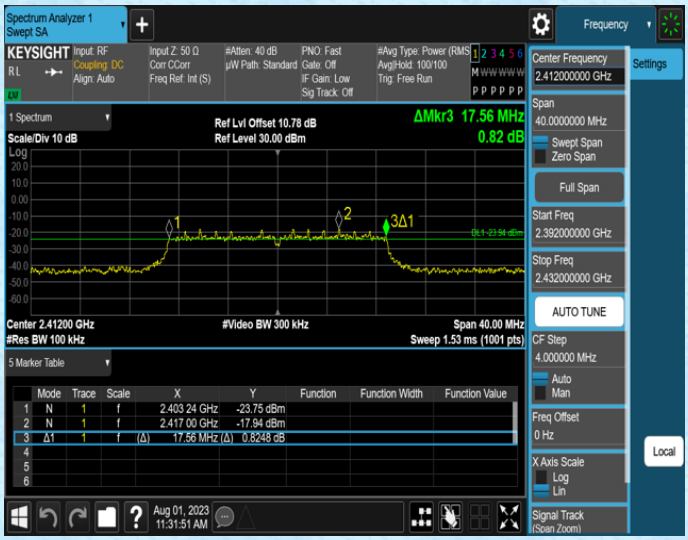
11B-Ant1-2437

11B-Ant1-2462

11G-Ant1-2412

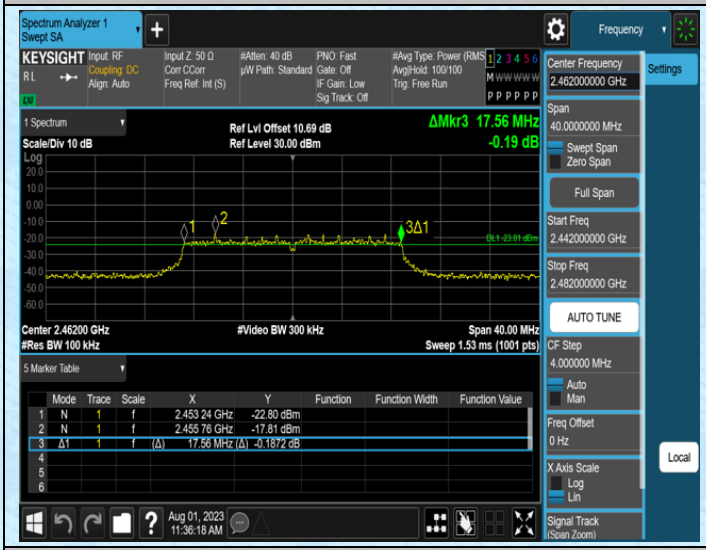
11G-Ant1-2437

11G-Ant1-2462



11N20SISO-Ant1-2412

11N20SISO-Ant1-2437



11N20SISO-Ant1-2462

11N40SISO-Ant1-2422

11N40SISO-Ant1-2437

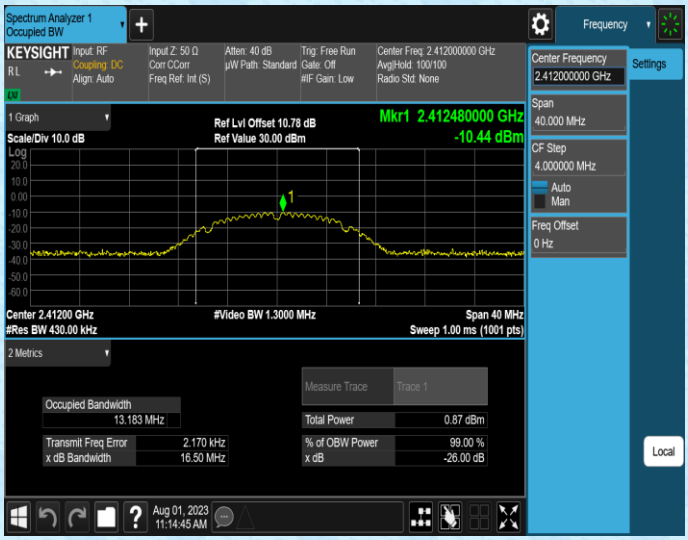
11N40SISO-Ant1-2452

AppendixB: Occupied Channel Bandwidth

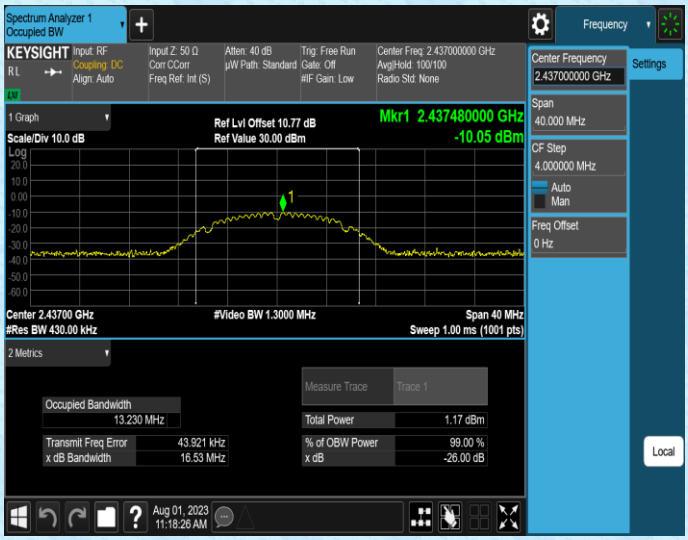
Test Result

Test Mode	Antenna	Channel Frequency[MHz]	Rate	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	1Mbps	13.183	2405.4354	2418.6184	---	---
11B	Ant1	2437	1Mbps	13.230	2430.3826	2443.6126	---	---
11B	Ant1	2462	1Mbps	13.226	2455.3958	2468.6218	---	---
11G	Ant1	2412	6Mbps	17.509	2403.3597	2420.8687	---	---
11G	Ant1	2437	6Mbps	17.486	2428.2950	2445.7810	---	---
11G	Ant1	2462	6Mbps	17.497	2453.2986	2470.7956	---	---
11N20SISO	Ant1	2412	MCS0	18.453	2402.8031	2421.2561	---	---
11N20SISO	Ant1	2437	MCS0	18.539	2427.7266	2446.2656	---	---
11N20SISO	Ant1	2462	MCS0	18.469	2452.7646	2471.2336	---	---
11N40SISO	Ant1	2422	MCS0	35.129	2404.4757	2439.6047	---	---
11N40SISO	Ant1	2437	MCS0	35.221	2419.4088	2454.6298	---	---
11N40SISO	Ant1	2452	MCS0	35.136	2434.4906	2469.6266	---	---

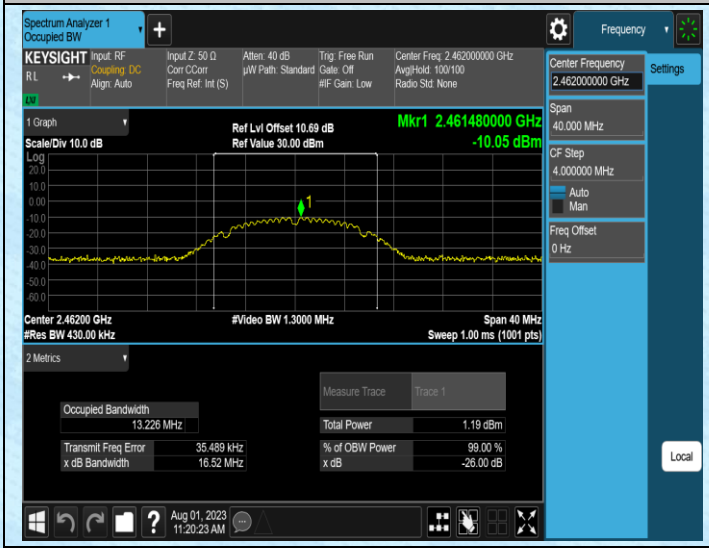
Test Graphs



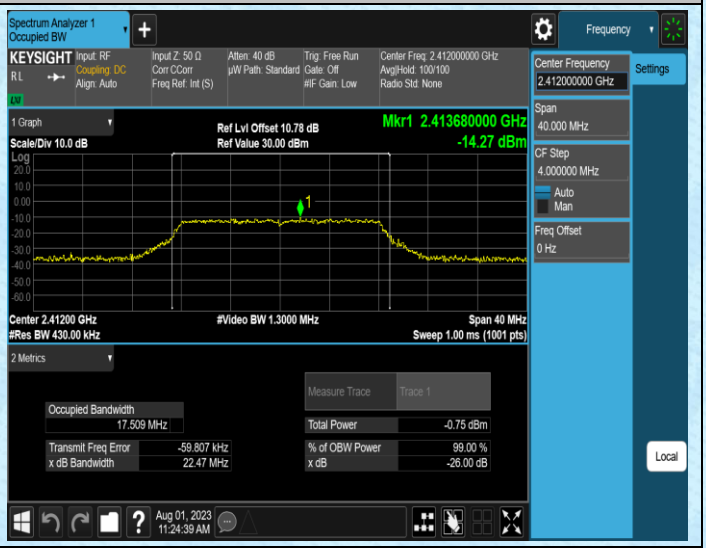
11B-Ant1-2412



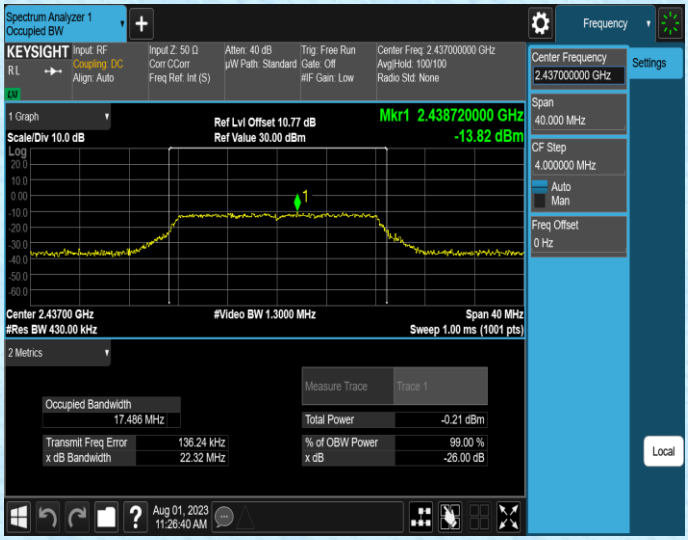
11B-Ant1-2437



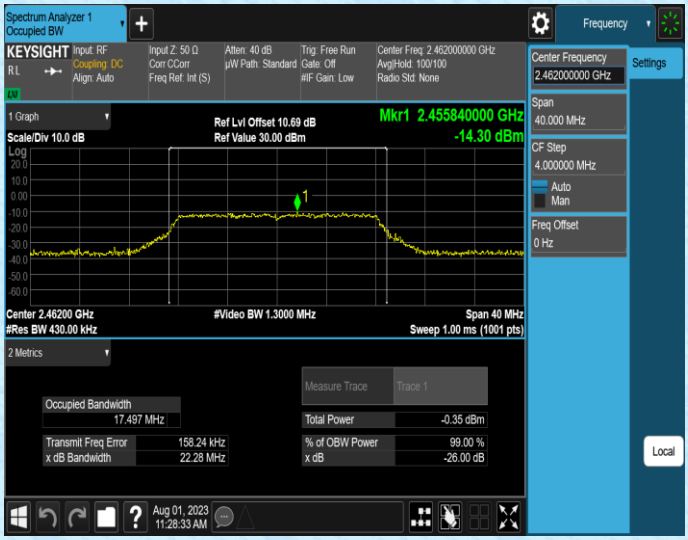
11B-Ant1-2462



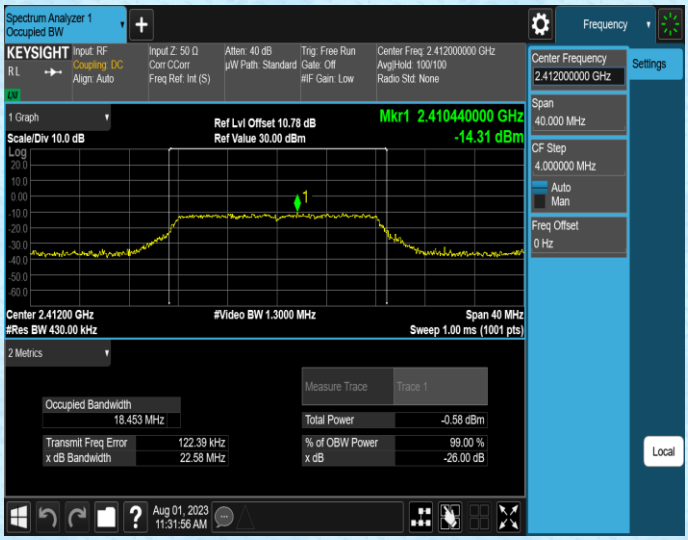
11G-Ant1-2412



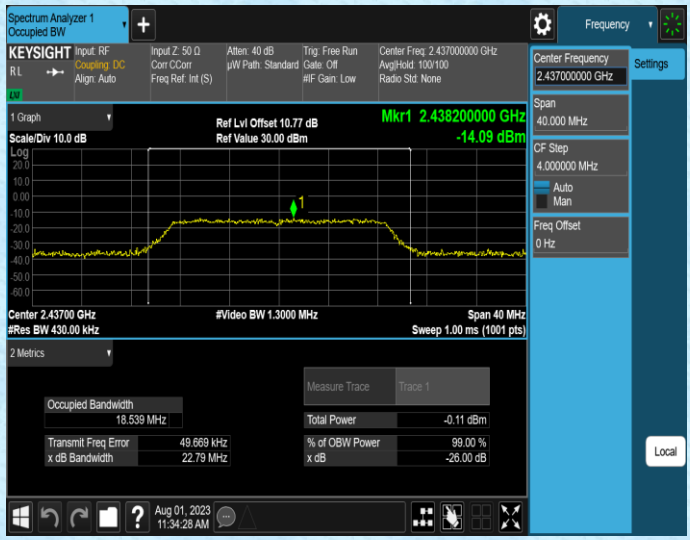
11G-Ant1-2437



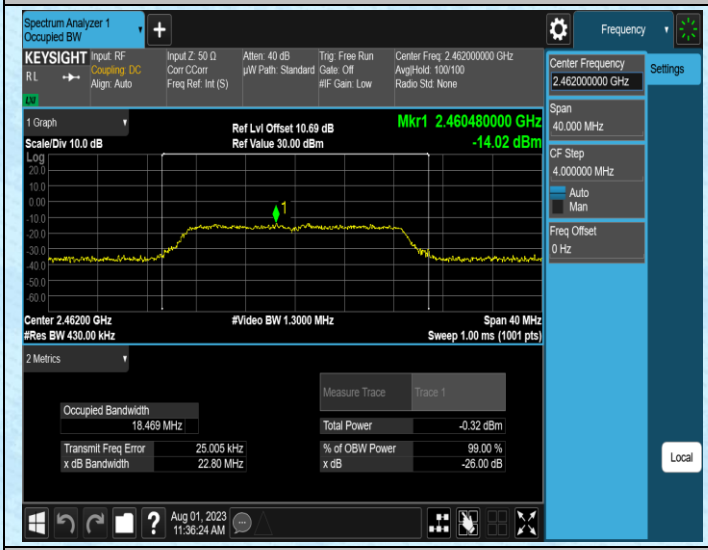
11G-Ant1-2462



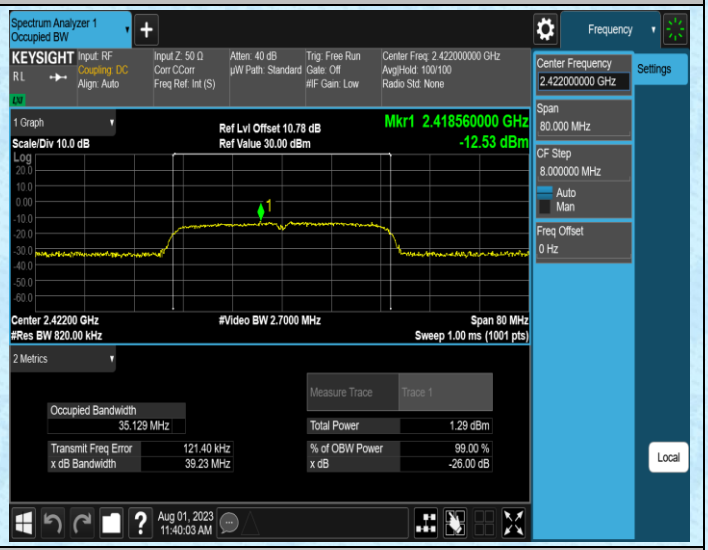
11N20SISO-Ant1-2412



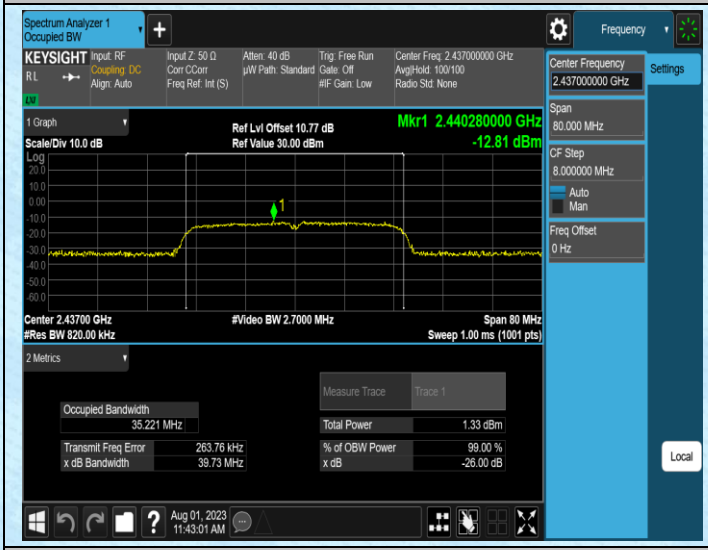
11N20SISO-Ant1-2437



11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437

11N40SISO-Ant1-2452

AppendixC: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Rate	Peak Powert[dBm]	Conducted Limit[dBm]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant1	2412	1Mbps	0.69	≤30.00	2.58	≤36.00	PASS
11B	Ant1	2437	1Mbps	0.69	≤30.00	2.58	≤36.00	PASS
11B	Ant1	2462	1Mbps	0.86	≤30.00	2.75	≤36.00	PASS
11G	Ant1	2412	6Mbps	0.23	≤30.00	2.12	≤36.00	PASS
11G	Ant1	2437	6Mbps	0.74	≤30.00	2.63	≤36.00	PASS
11G	Ant1	2462	6Mbps	0.60	≤30.00	2.49	≤36.00	PASS
11N20SISO	Ant1	2412	MCS0	0.48	≤30.00	2.37	≤36.00	PASS
11N20SISO	Ant1	2437	MCS0	1.03	≤30.00	2.92	≤36.00	PASS
11N20SISO	Ant1	2462	MCS0	0.83	≤30.00	2.72	≤36.00	PASS
11N40SISO	Ant1	2422	MCS0	1.28	≤30.00	3.17	≤36.00	PASS
11N40SISO	Ant1	2437	MCS0	1.37	≤30.00	3.26	≤36.00	PASS
11N40SISO	Ant1	2452	MCS0	1.43	≤30.00	3.32	≤36.00	PASS

Conducted Power + Ant Gain =EIRP, ANT Gain= 1.89dBi.

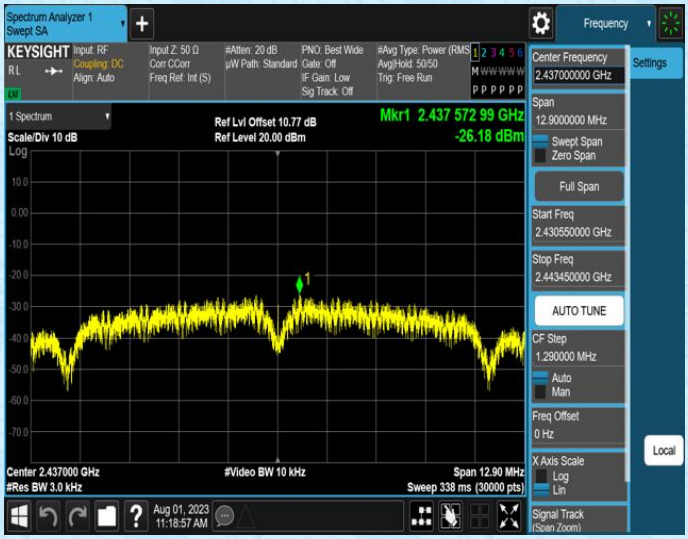
AppendixD: Maximum power spectral density

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	1Mbps	-26.61	≤8.00	PASS
11B	Ant1	2437	1Mbps	-26.18	≤8.00	PASS
11B	Ant1	2462	1Mbps	-26.27	≤8.00	PASS
11G	Ant1	2412	6Mbps	-32.66	≤8.00	PASS
11G	Ant1	2437	6Mbps	-31.86	≤8.00	PASS
11G	Ant1	2462	6Mbps	-31.8	≤8.00	PASS
11N20SISO	Ant1	2412	MCS0	-32.42	≤8.00	PASS
11N20SISO	Ant1	2437	MCS0	-32.1	≤8.00	PASS
11N20SISO	Ant1	2462	MCS0	-31.65	≤8.00	PASS
11N40SISO	Ant1	2422	MCS0	-31.89	≤8.00	PASS
11N40SISO	Ant1	2437	MCS0	-31.57	≤8.00	PASS
11N40SISO	Ant1	2452	MCS0	-31.16	≤8.00	PASS

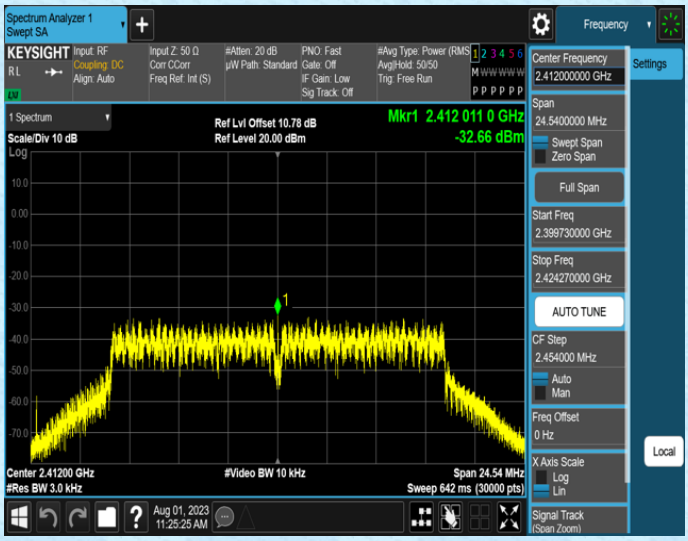
Test Graphs

11B-Ant1-2412

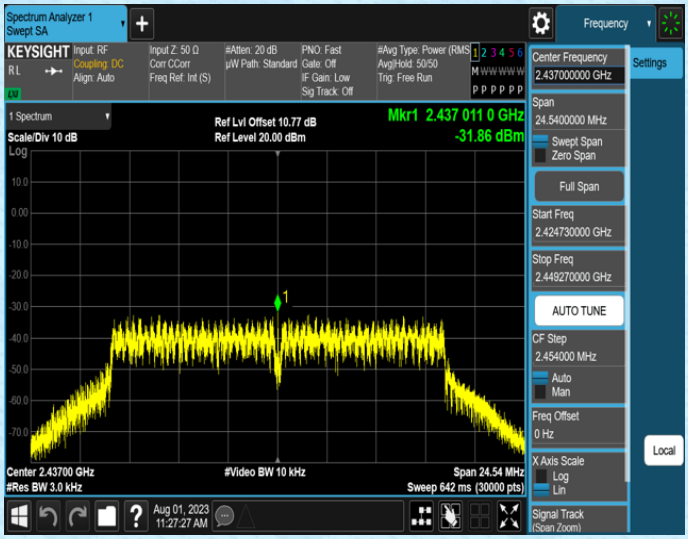


11B-Ant1-2437

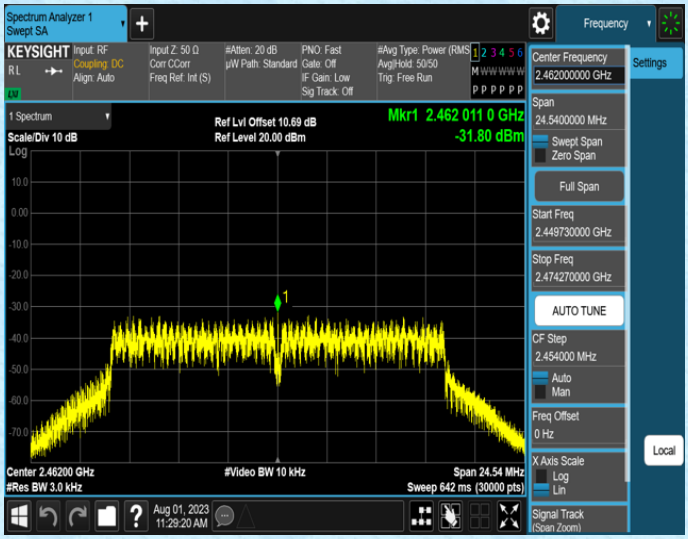
11B-Ant1-2462



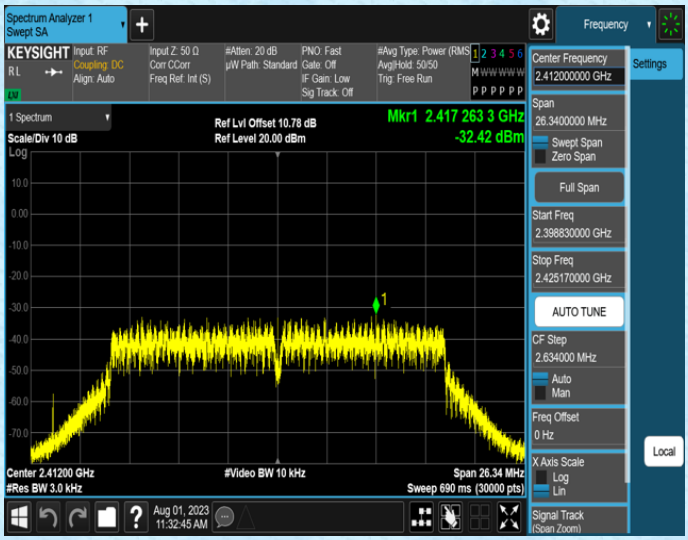
11G-Ant1-2412



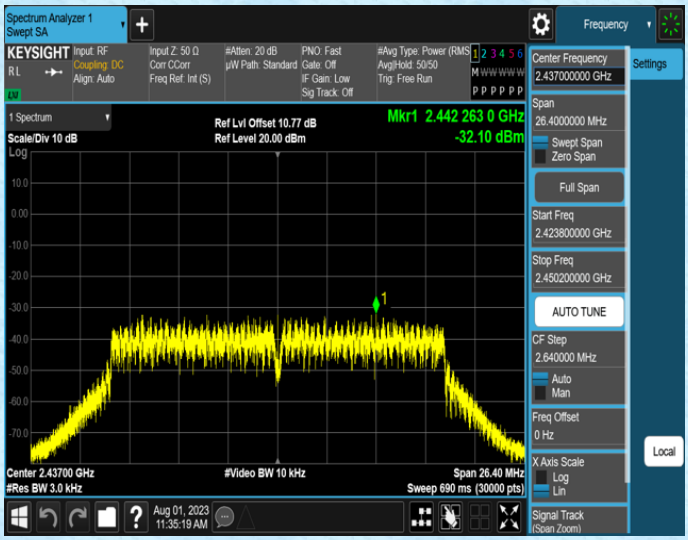
11G-Ant1-2437



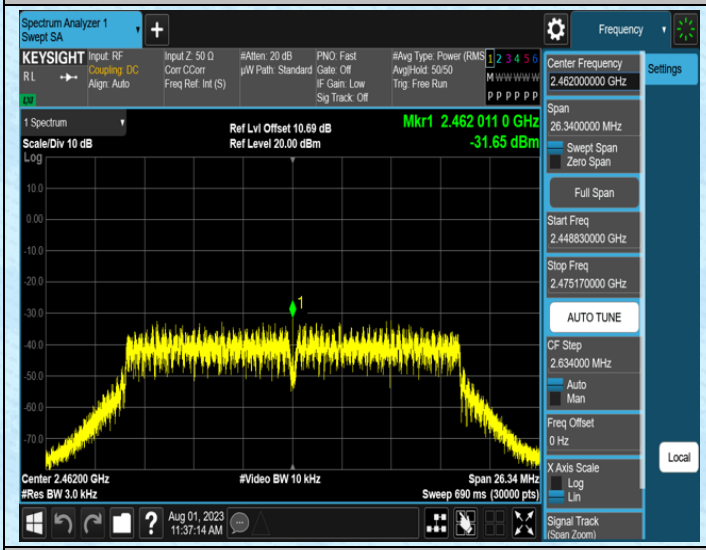
11G-Ant1-2462



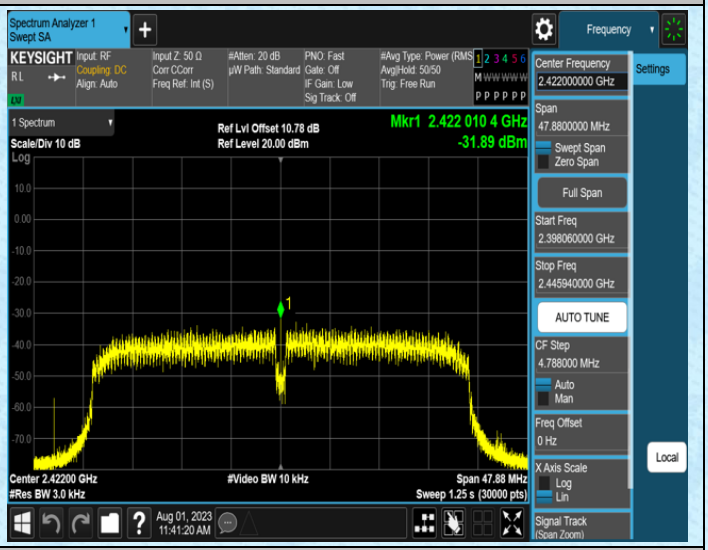
11N20SISO-Ant1-2412



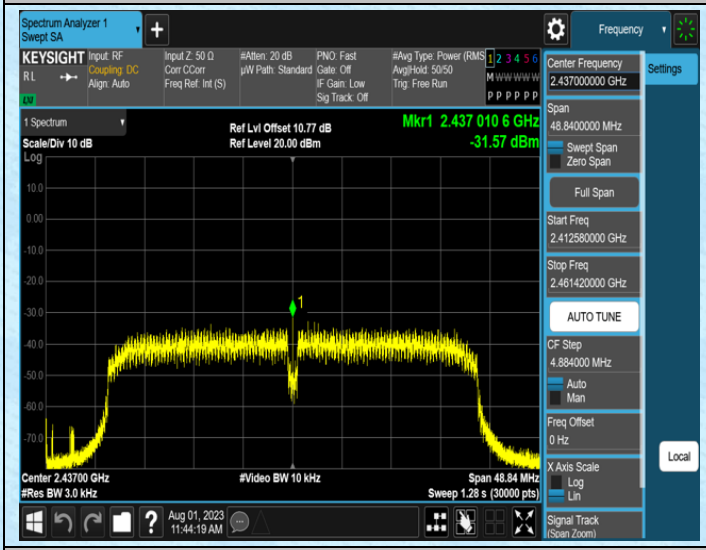
11N20SISO-Ant1-2437



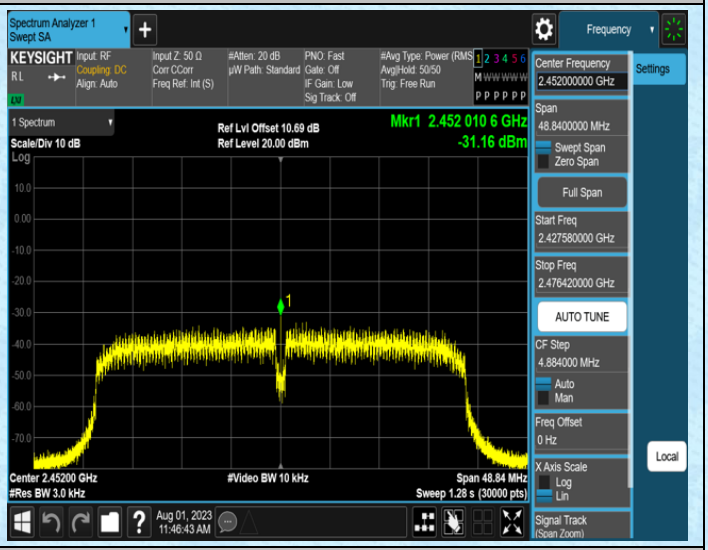
11N20SISO-Ant1-2462



11N40SISO-Ant1-2422



11N40SISO-Ant1-2437



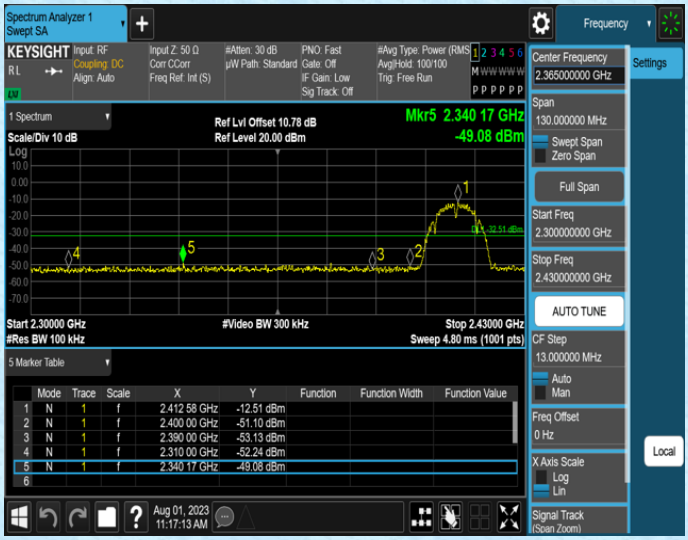
11N40SISO-Ant1-2452

AppendixE:Band edge measurements

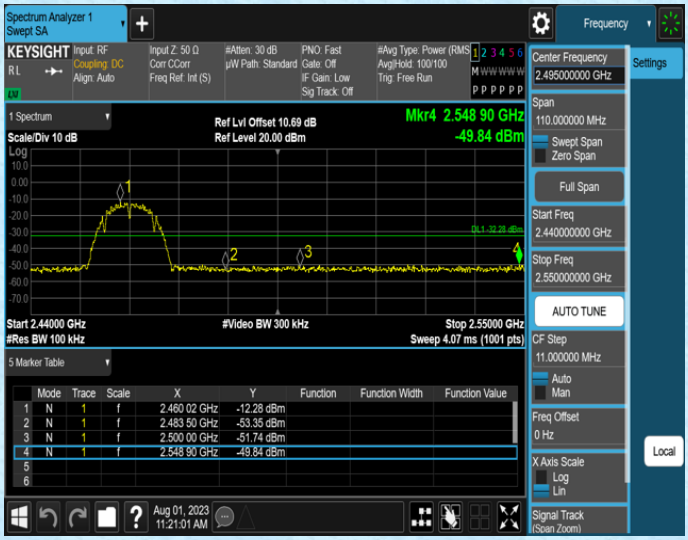
Test Result

Test Mode	Antenna	ChName	Frequency[MHz]	Rate	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	1Mbps	-12.51	-49.08	≤-32.51	PASS
11B	Ant1	High	2462	1Mbps	-12.28	-49.84	≤-32.28	PASS
11G	Ant1	Low	2412	6Mbps	-18.20	-49.17	≤-38.2	PASS
11G	Ant1	High	2462	6Mbps	-17.82	-50	≤-37.82	PASS
11N20SISO	Ant1	Low	2412	MCS0	-18.21	-49.38	≤-38.21	PASS
11N20SISO	Ant1	High	2462	MCS0	-18.05	-49.9	≤-38.05	PASS
11N40SISO	Ant1	Low	2422	MCS0	-20.32	-49.61	≤-40.32	PASS
11N40SISO	Ant1	High	2452	MCS0	-20.72	-49.06	≤-40.72	PASS

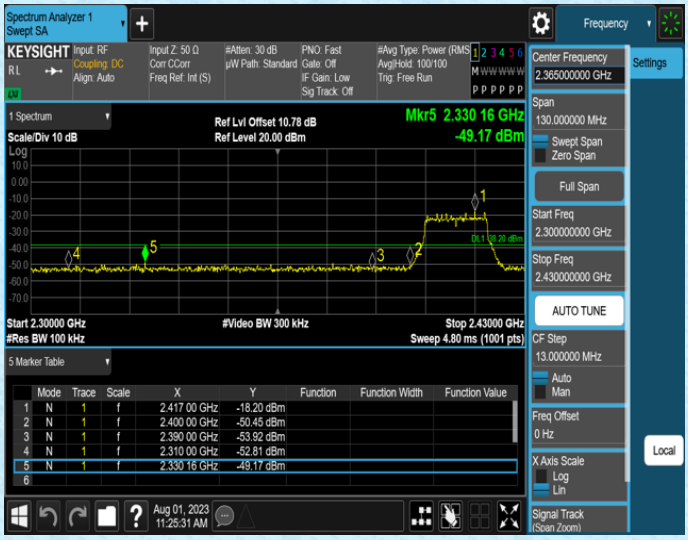
Test Graphs



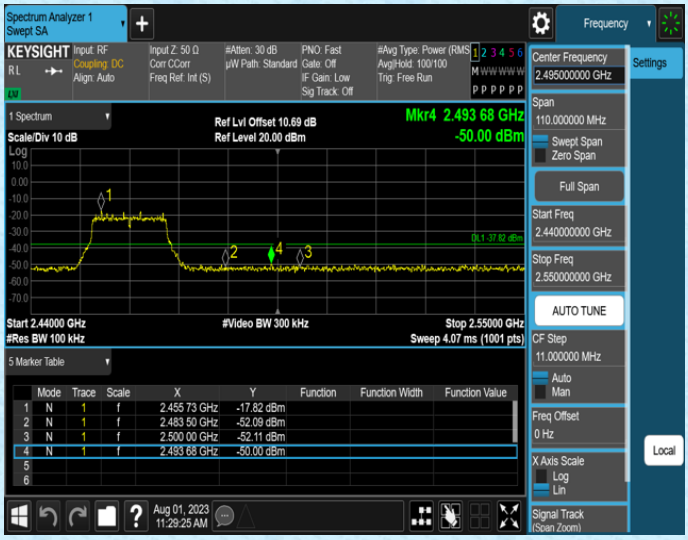
11B-Ant1-2412



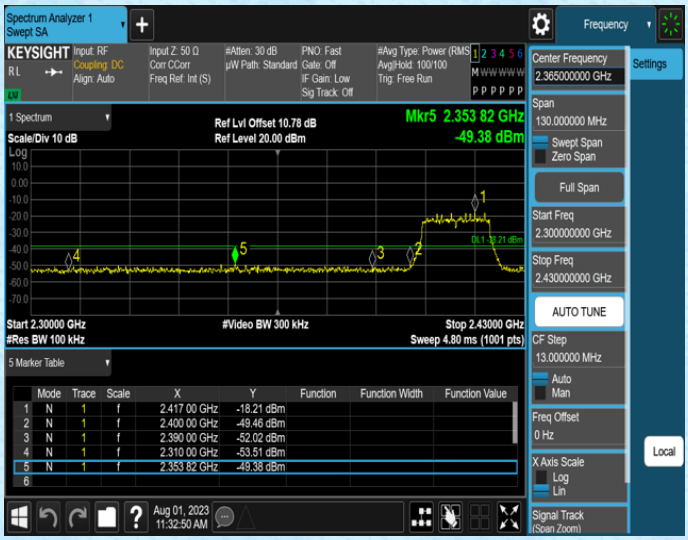
11B-Ant1-2462



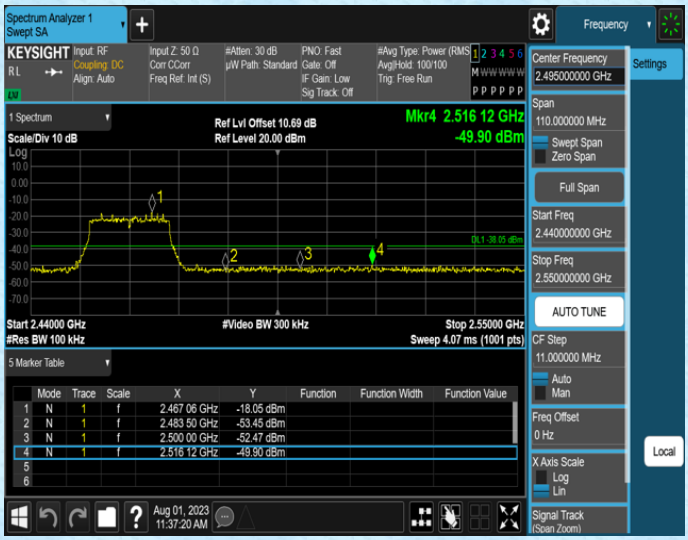
11G-Ant1-2412



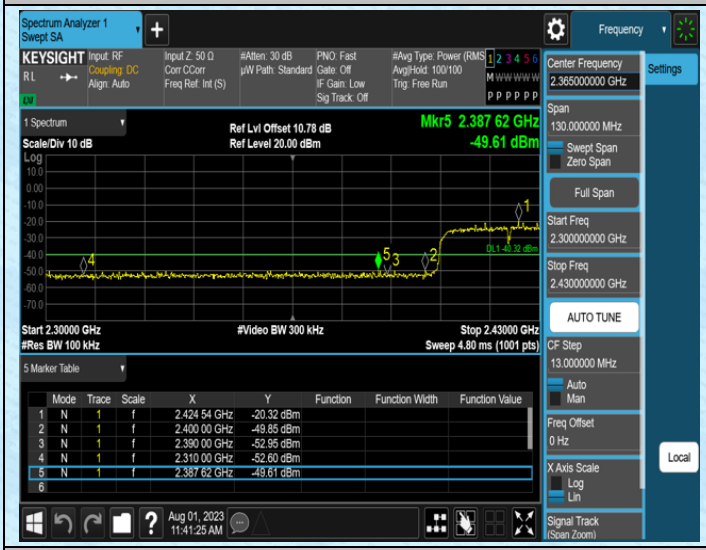
11G-Ant1-2462



11N20SISO-Ant1-2412



11N20SISO-Ant1-2462



11N40SISO-Ant1-2422

11N40SISO-Ant1-2452

AppendixF:Conducted Spurious Emission

Test Result

Test Mode	Antenna	Frequency[MHz]	Rate	Freq Range [Mhz]	Ref Level [dBm]	Result [dBm]	Limit [dBm]	Verdict
11B	Ant1	2412	1Mbps	0~Reference	-12.83	-12.83	---	PASS
11B	Ant1	2412	1Mbps	30~1000	-12.83	-62.39	≤-32.83	PASS
11B	Ant1	2412	1Mbps	1000~26500	-12.83	-49.47	≤-32.83	PASS
11B	Ant1	2437	1Mbps	0~Reference	-13.69	-13.69	---	PASS
11B	Ant1	2437	1Mbps	30~1000	-13.69	-60.47	≤-33.69	PASS
11B	Ant1	2437	1Mbps	1000~26500	-13.69	-50.25	≤-33.69	PASS
11B	Ant1	2462	1Mbps	0~Reference	-12.35	-12.35	---	PASS
11B	Ant1	2462	1Mbps	30~1000	-12.35	-62.08	≤-32.35	PASS
11B	Ant1	2462	1Mbps	1000~26500	-12.35	-49.72	≤-32.35	PASS
11G	Ant1	2412	6Mbps	0~Reference	-21.49	-21.49	---	PASS
11G	Ant1	2412	6Mbps	30~1000	-21.49	-61.65	≤-41.49	PASS
11G	Ant1	2412	6Mbps	1000~26500	-21.49	-49.93	≤-41.49	PASS
11G	Ant1	2437	6Mbps	0~Reference	-17.92	-17.92	---	PASS
11G	Ant1	2437	6Mbps	30~1000	-17.92	-62.05	≤-37.92	PASS
11G	Ant1	2437	6Mbps	1000~26500	-17.92	-49.79	≤-37.92	PASS
11G	Ant1	2462	6Mbps	0~Reference	-18.21	-18.21	---	PASS
11G	Ant1	2462	6Mbps	30~1000	-18.21	-61.77	≤-38.21	PASS
11G	Ant1	2462	6Mbps	1000~26500	-18.21	-50.36	≤-38.21	PASS
11N20SISO	Ant1	2412	MCS0	0~Reference	-18.40	-18.40	---	PASS
11N20SISO	Ant1	2412	MCS0	30~1000	-18.40	-60.93	≤-38.4	PASS
11N20SISO	Ant1	2412	MCS0	1000~26500	-18.40	-50.62	≤-38.4	PASS
11N20SISO	Ant1	2437	MCS0	0~Reference	-19.22	-19.22	---	PASS
11N20SISO	Ant1	2437	MCS0	30~1000	-19.22	-61.03	≤-39.22	PASS
11N20SISO	Ant1	2437	MCS0	1000~26500	-19.22	-49.86	≤-39.22	PASS
11N20SISO	Ant1	2462	MCS0	0~Reference	-18.10	-18.10	---	PASS
11N20SISO	Ant1	2462	MCS0	30~1000	-18.10	-61.96	≤-38.1	PASS
11N20SISO	Ant1	2462	MCS0	1000~26500	-18.10	-50.06	≤-38.1	PASS
11N40SISO	Ant1	2422	MCS0	0~Reference	-22.25	-22.25	---	PASS
11N40SISO	Ant1	2422	MCS0	30~1000	-22.25	-62.26	≤-42.25	PASS
11N40SISO	Ant1	2422	MCS0	1000~26500	-22.25	-49.68	≤-42.25	PASS
11N40SISO	Ant1	2437	MCS0	0~Reference	-23.32	-23.32	---	PASS
11N40SISO	Ant1	2437	MCS0	30~1000	-23.32	-61.73	≤-43.32	PASS
11N40SISO	Ant1	2437	MCS0	1000~26500	-23.32	-50.38	≤-43.32	PASS
11N40SISO	Ant1	2452	MCS0	0~Reference	-21.80	-21.80	---	PASS
11N40SISO	Ant1	2452	MCS0	30~1000	-21.80	-61.77	≤-41.8	PASS
11N40SISO	Ant1	2452	MCS0	1000~26500	-21.80	-50.03	≤-41.8	PASS