

AppendixC: Maximum conducted output power

Test Result Peak

Test Mode	Antenna	Frequency [MHz]	Rate	Peak Power [dBm]	Conducted Limit[dBm]	Gain [dBi]	EIRP [dBm]	EIRP Limit[dBm]	Verdict
11B	Ant0	2412	1Mbps	13.06	≤30.00	4.40	17.46	--	PASS
11B	Ant1	2412	1Mbps	13.85	≤30.00	3.70	17.55	--	PASS
11B	Ant0	2437	1Mbps	13.61	≤30.00	4.40	18.01	--	PASS
11B	Ant1	2437	1Mbps	14.14	≤30.00	3.70	17.84	--	PASS
11B	Ant0	2462	1Mbps	13.13	≤30.00	4.40	17.53	--	PASS
11B	Ant1	2462	1Mbps	13.84	≤30.00	3.70	17.54	--	PASS
11G	Ant0	2412	6Mbps	13.29	≤30.00	4.40	17.69	--	PASS
11G	Ant1	2412	6Mbps	13.97	≤30.00	3.70	17.67	--	PASS
11G	Ant0	2437	6Mbps	13.60	≤30.00	4.40	18.00	--	PASS
11G	Ant1	2437	6Mbps	13.72	≤30.00	3.70	17.42	--	PASS
11G	Ant0	2462	6Mbps	13.43	≤30.00	4.40	17.83	--	PASS
11G	Ant1	2462	6Mbps	13.67	≤30.00	3.70	17.37	--	PASS
11N20SISO	Ant0	2412	MCS0	12.93	≤30.00	4.40	17.33	--	PASS
11N20SISO	Ant1	2412	MCS0	13.86	≤30.00	3.70	17.56	--	PASS
11N20SISO	Ant0	2437	MCS0	12.93	≤30.00	4.40	17.33	--	PASS
11N20SISO	Ant1	2437	MCS0	14.16	≤30.00	3.70	17.86	--	PASS
11N20SISO	Ant0	2462	MCS0	12.64	≤30.00	4.40	17.04	--	PASS
11N20SISO	Ant1	2462	MCS0	13.44	≤30.00	3.70	17.14	--	PASS
11N40SISO	Ant0	2422	MCS0	12.94	≤30.00	4.40	17.34	--	PASS
11N40SISO	Ant1	2422	MCS0	13.58	≤30.00	3.70	17.28	--	PASS
11N40SISO	Ant0	2437	MCS0	13.23	≤30.00	4.40	17.63	--	PASS
11N40SISO	Ant1	2437	MCS0	14.00	≤30.00	3.70	17.70	--	PASS
11N40SISO	Ant0	2452	MCS0	13.26	≤30.00	4.40	17.66	--	PASS
11N40SISO	Ant1	2452	MCS0	13.64	≤30.00	3.70	17.34	--	PASS
11N20MIMO	Ant0	2412	MCS0	10.81	≤30.00	4.40	15.21	--	PASS
11N20MIMO	Ant1	2412	MCS0	11.14	≤30.00	3.70	14.84	--	PASS
11N20MIMO	total	2412	MCS0	13.99	≤28.93	---	21.06	--	PASS
11N20MIMO	Ant0	2437	MCS0	10.77	≤30.00	4.40	15.17	--	PASS
11N20MIMO	Ant1	2437	MCS0	11.38	≤30.00	3.70	15.08	--	PASS
11N20MIMO	total	2437	MCS0	14.10	≤28.93	---	21.17	--	PASS
11N20MIMO	Ant0	2462	MCS0	9.23	≤30.00	4.40	13.63	--	PASS
11N20MIMO	Ant1	2462	MCS0	11.22	≤30.00	3.70	14.92	--	PASS
11N20MIMO	total	2462	MCS0	13.35	≤28.93	---	20.42	--	PASS
11N40MIMO	Ant0	2422	MCS0	10.28	≤30.00	4.40	14.68	--	PASS
11N40MIMO	Ant1	2422	MCS0	11.20	≤30.00	3.70	14.90	--	PASS
11N40MIMO	total	2422	MCS0	13.77	≤28.93	---	20.84	--	PASS
11N40MIMO	Ant0	2437	MCS0	10.25	≤30.00	4.40	14.65	--	PASS
11N40MIMO	Ant1	2437	MCS0	11.44	≤30.00	3.70	15.14	--	PASS

11N40MIMO	total	2437	MCS0	13.90	≤28.93	---	20.97	--	PASS
11N40MIMO	Ant0	2452	MCS0	10.88	≤30.00	4.40	15.28	--	PASS
11N40MIMO	Ant1	2452	MCS0	11.39	≤30.00	3.70	15.09	--	PASS
11N40MIMO	total	2452	MCS0	14.15	≤28.93	---	21.22	--	PASS

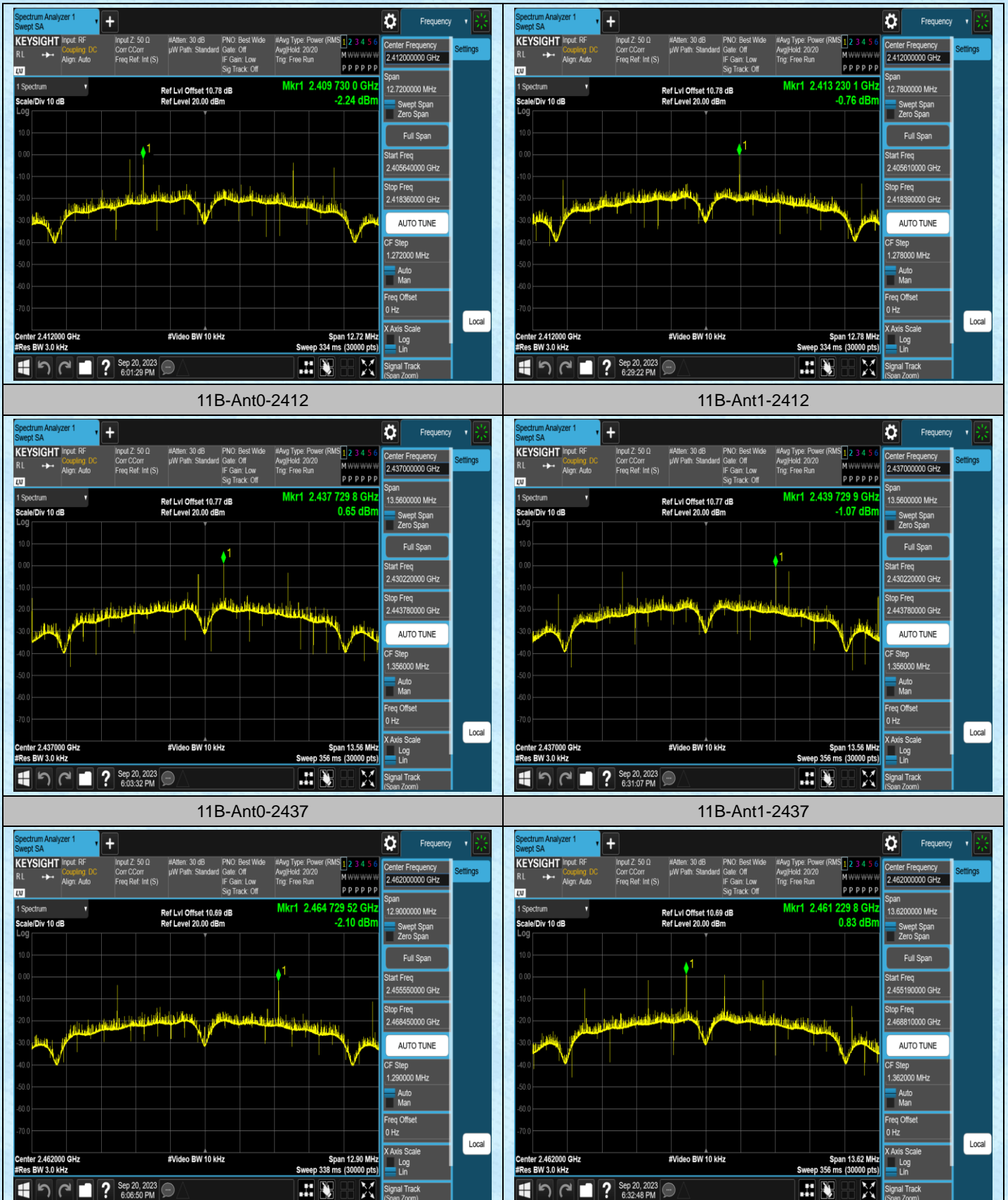
AppendixD: Maximum power spectral density

Test Result

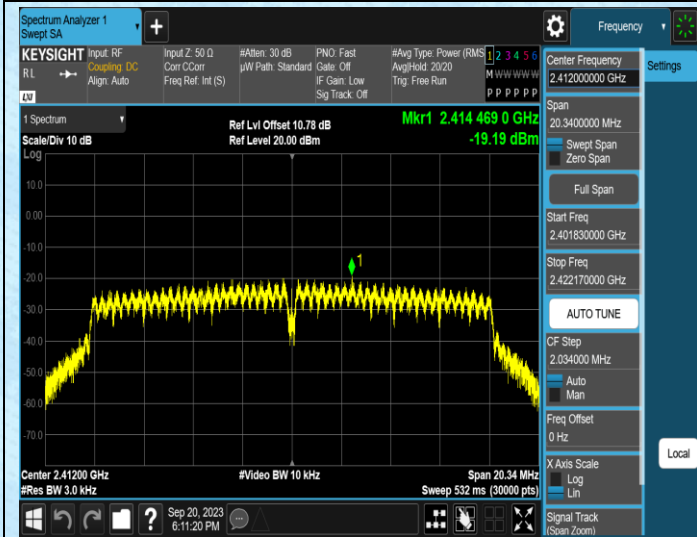
Test Mode	Antenna	Frequency[MHz]	Rate	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant0	2412	1Mbps	-2.24	≤8.00	PASS
11B	Ant1	2412	1Mbps	-0.76	≤8.00	PASS
11B	Ant0	2437	1Mbps	0.65	≤8.00	PASS
11B	Ant1	2437	1Mbps	-1.07	≤8.00	PASS
11B	Ant0	2462	1Mbps	-2.1	≤8.00	PASS
11B	Ant1	2462	1Mbps	0.83	≤8.00	PASS
11G	Ant0	2412	6Mbps	-19.19	≤8.00	PASS
11G	Ant1	2412	6Mbps	-19	≤8.00	PASS
11G	Ant0	2437	6Mbps	-18.33	≤8.00	PASS
11G	Ant1	2437	6Mbps	-18.64	≤8.00	PASS
11G	Ant0	2462	6Mbps	-18.59	≤8.00	PASS
11G	Ant1	2462	6Mbps	-19.43	≤8.00	PASS
11N20SISO	Ant0	2412	MCS0	-20.66	≤8.00	PASS
11N20SISO	Ant1	2412	MCS0	-19.18	≤8.00	PASS
11N20SISO	Ant0	2437	MCS0	-20.14	≤8.00	PASS
11N20SISO	Ant1	2437	MCS0	-19.34	≤8.00	PASS
11N20SISO	Ant0	2462	MCS0	-20.3	≤8.00	PASS
11N20SISO	Ant1	2462	MCS0	-17.83	≤8.00	PASS
11N40SISO	Ant0	2422	MCS0	-23.05	≤8.00	PASS
11N40SISO	Ant1	2422	MCS0	-20.82	≤8.00	PASS
11N40SISO	Ant0	2437	MCS0	-22.18	≤8.00	PASS
11N40SISO	Ant1	2437	MCS0	-21.44	≤8.00	PASS
11N40SISO	Ant0	2452	MCS0	-22.51	≤8.00	PASS
11N40SISO	Ant1	2452	MCS0	-22.18	≤8.00	PASS
11N20MIMO	Ant0	2412	MCS0	-21.14	≤8.00	PASS
11N20MIMO	Ant1	2412	MCS0	-20.99	≤8.00	PASS
11N20MIMO	total	2412	MCS0	-18.05	≤8.00	PASS
11N20MIMO	Ant0	2437	MCS0	-21.82	≤8.00	PASS
11N20MIMO	Ant1	2437	MCS0	-21.13	≤8.00	PASS
11N20MIMO	total	2437	MCS0	-18.45	≤8.00	PASS
11N20MIMO	Ant0	2462	MCS0	-23.56	≤8.00	PASS
11N20MIMO	Ant1	2462	MCS0	-19.83	≤8.00	PASS
11N20MIMO	total	2462	MCS0	-18.30	≤8.00	PASS
11N40MIMO	Ant0	2422	MCS0	-25.12	≤8.00	PASS
11N40MIMO	Ant1	2422	MCS0	-23.68	≤8.00	PASS
11N40MIMO	total	2422	MCS0	-21.33	≤8.00	PASS
11N40MIMO	Ant0	2437	MCS0	-25.52	≤8.00	PASS
11N40MIMO	Ant1	2437	MCS0	-24.07	≤8.00	PASS
11N40MIMO	total	2437	MCS0	-21.72	≤8.00	PASS

11N40MIMO	Ant0	2452	MCS0	-25.42	≤8.00	PASS
11N40MIMO	Ant1	2452	MCS0	-23.82	≤8.00	PASS
11N40MIMO	total	2452	MCS0	-21.54	≤8.00	PASS

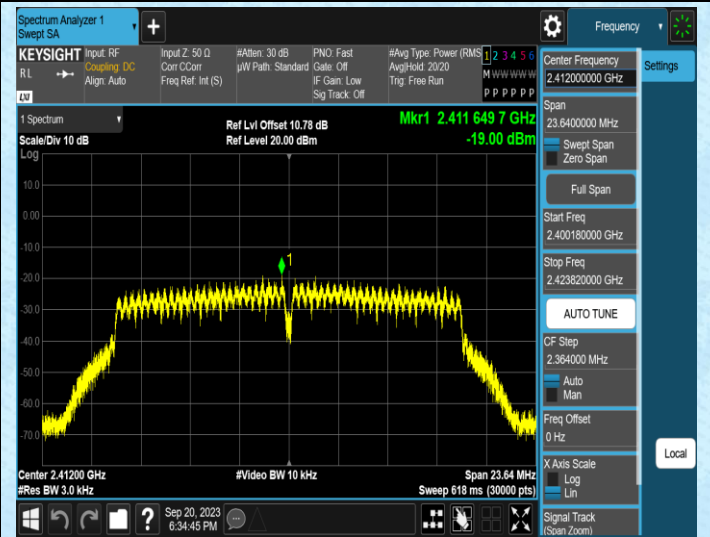
Test Graphs



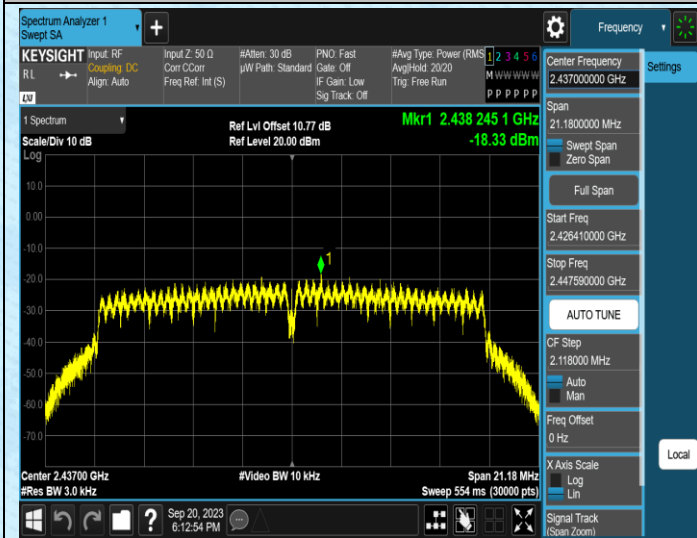
11B-Ant0-2462



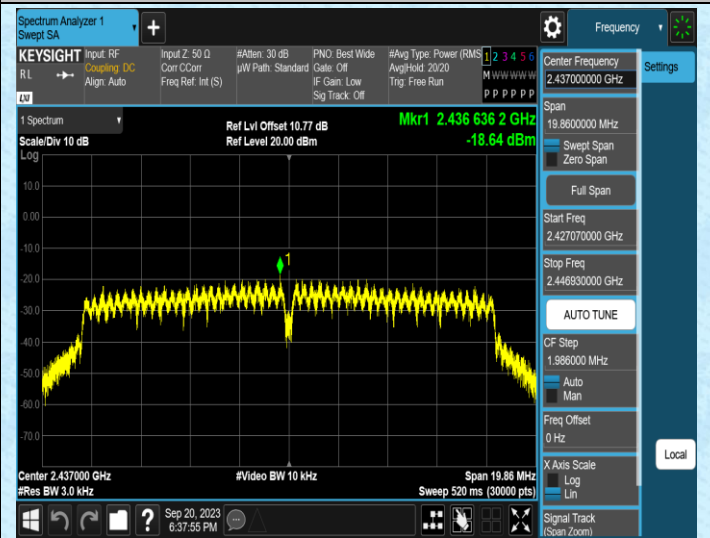
11B-Ant1-2462



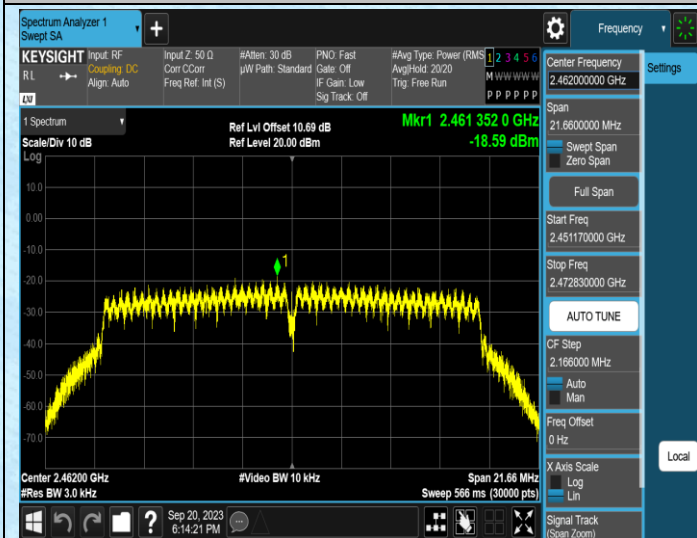
11G-Ant0-2412



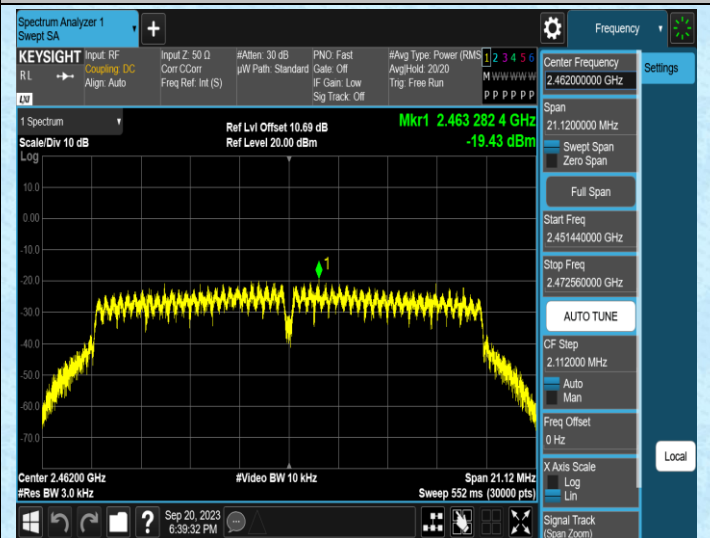
11G-Ant1-2412



11G-Ant0-2437

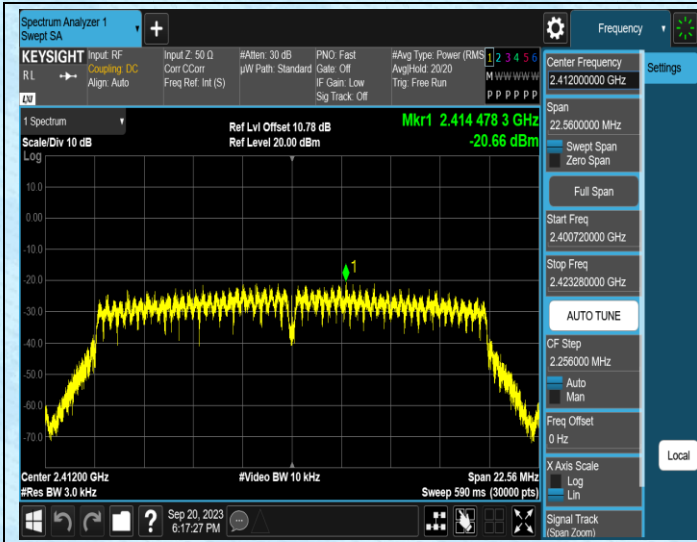


11G-Ant1-2437

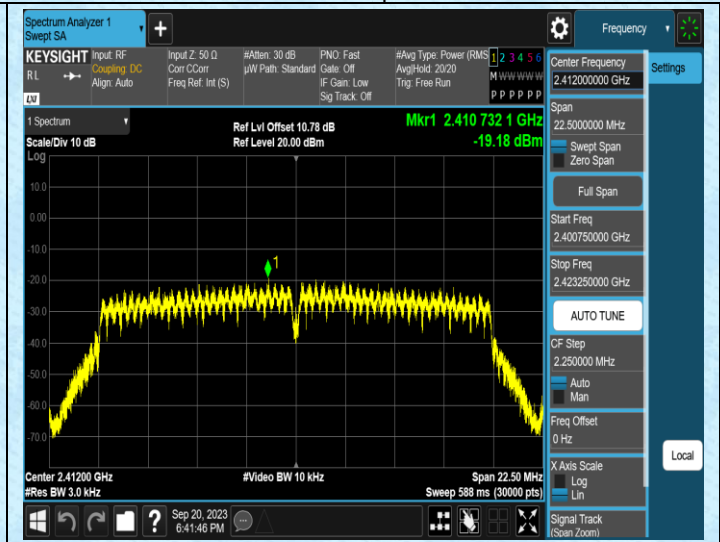


11G-Ant0-2462

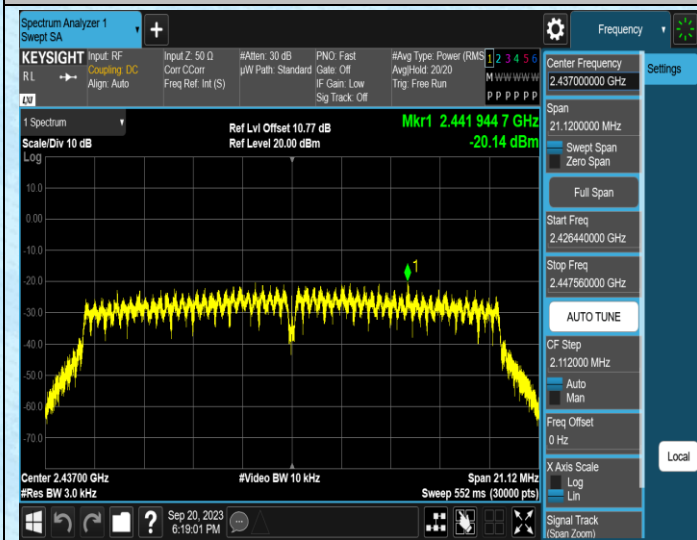
11G-Ant1-2462



11N20SISO-Ant0-2412



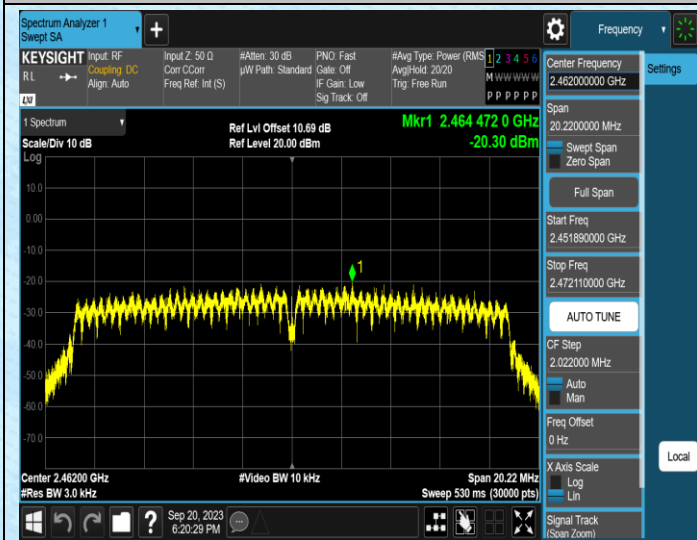
11N20SISO-Ant1-2412



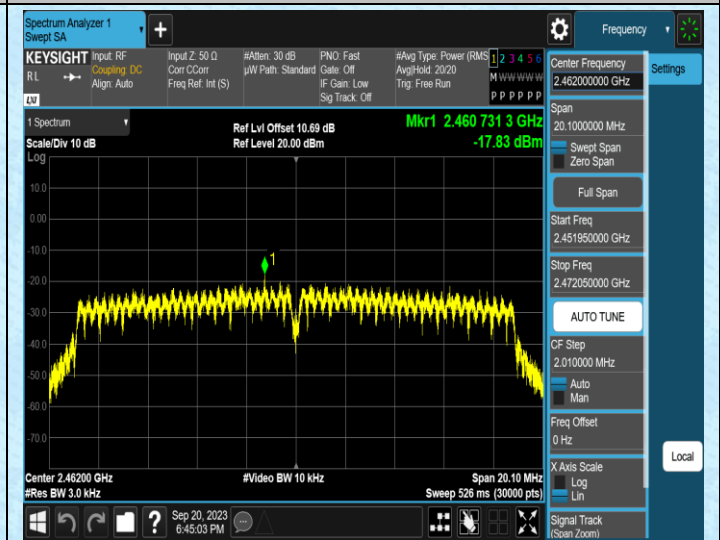
11N20SISO-Ant0-2437



11N20SISO-Ant1-2437



11N20SISO-Ant0-2462



11N20SISO-Ant1-2462