



Appendix for test report

Appendix A: DTS Bandwidth

Test Result

TestMode	Antenna	Channel	DTS BW [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	9.120	2407.440	2416.560	---	PASS
		2437	9.600	2431.960	2441.560	---	PASS
		2462	10.080	2456.960	2467.040	---	PASS
11G	Ant1	2412	15.720	2404.120	2419.840	---	PASS
		2417	15.800	2409.040	2424.840	---	PASS
		2422	16.080	2413.840	2429.920	---	PASS
		2437	16.040	2428.800	2444.840	---	PASS
		2452	15.800	2443.840	2459.640	---	PASS
		2457	16.040	2448.800	2464.840	---	PASS
		2462	16.120	2453.800	2469.920	---	PASS
11N20SISO	Ant1	2412	16.400	2403.560	2419.960	---	PASS
		2417	16.120	2408.800	2424.920	---	PASS
		2422	16.440	2413.480	2429.920	---	PASS
		2437	16.200	2428.600	2444.800	---	PASS
		2452	16.520	2443.440	2459.960	---	PASS
		2457	16.160	2448.440	2464.600	---	PASS
		2462	15.760	2453.840	2469.600	---	PASS
11N40SISO	Ant1	2422	34.240	2404.240	2438.480	---	PASS
		2427	35.200	2409.400	2444.600	---	PASS
		2432	35.280	2414.400	2449.680	---	PASS
		2437	35.440	2419.080	2454.520	---	PASS
		2442	35.520	2424.160	2459.680	---	PASS
		2447	35.680	2429.000	2464.680	---	PASS
		2452	35.360	2434.240	2469.600	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



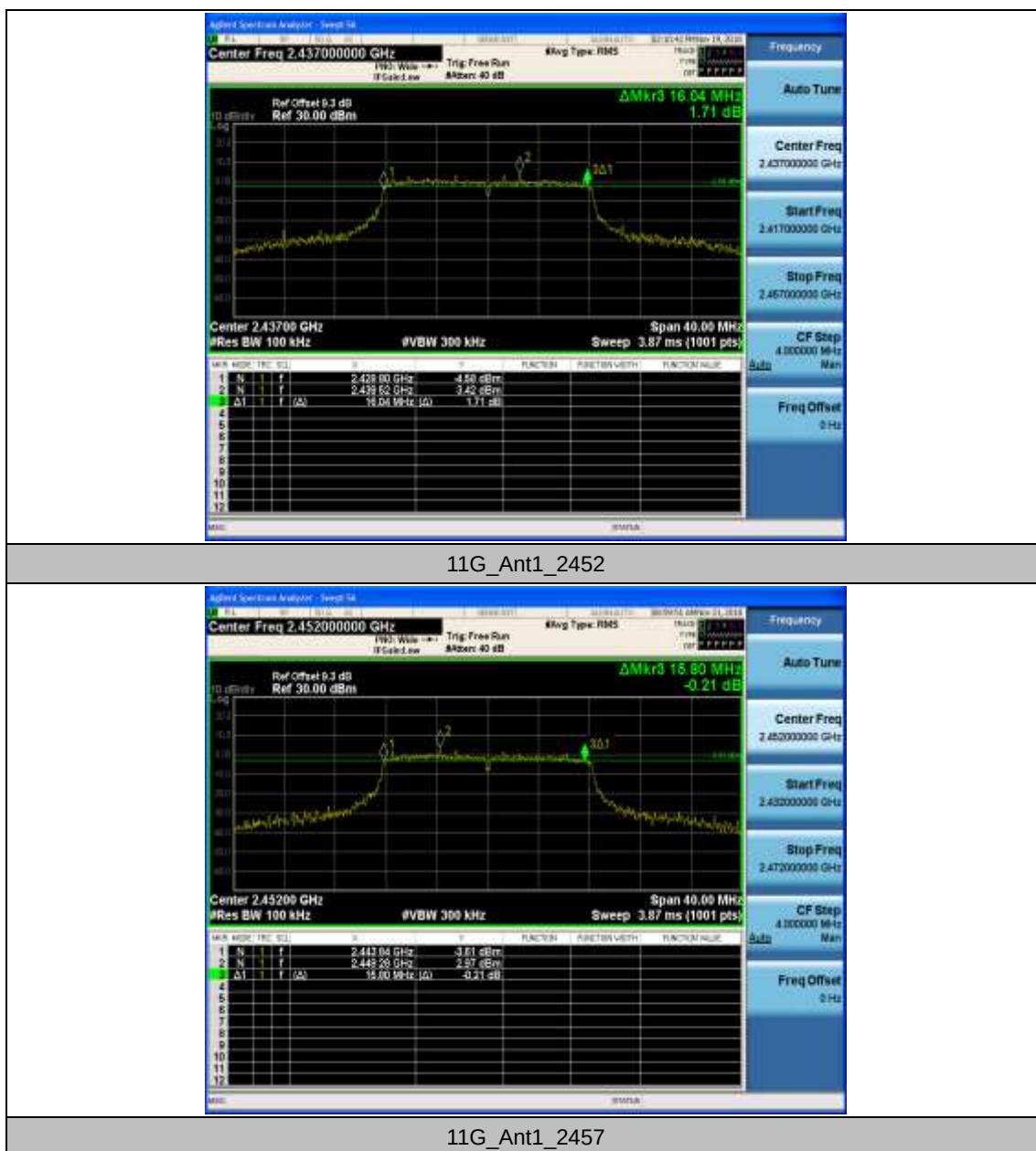
11G_Ant1_2417



11G_Ant1_2422



11G_Ant1_2437





11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2417



11N20SISO_Ant1_2422



11N20SISO_Ant1_2437



11N20SISO_Ant1_2452



11N20SISO_Ant1_2457



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2432



11N40SISO_Ant1_2437



11N40SISO_Ant1_2442



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452



Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	13.946	2405.076	2419.022	---	PASS
		2437	13.926	2430.048	2443.974	---	PASS
		2462	14.032	2454.993	2469.025	---	PASS
11G	Ant1	2412	16.831	2403.575	2420.406	---	PASS
		2417	16.767	2408.630	2425.397	---	PASS
		2422	16.921	2413.582	2430.503	---	PASS
		2437	16.894	2428.559	2445.453	---	PASS
		2452	16.874	2443.569	2460.443	---	PASS
		2457	16.842	2448.585	2465.427	---	PASS
		2462	16.797	2453.589	2470.386	---	PASS
11N20SISO	Ant1	2412	17.727	2403.152	2420.879	---	PASS
		2417	17.781	2408.143	2425.924	---	PASS
		2422	17.803	2413.117	2430.920	---	PASS
		2437	17.848	2428.073	2445.921	---	PASS
		2452	17.817	2443.078	2460.895	---	PASS
		2457	17.835	2448.058	2465.893	---	PASS
		2462	17.869	2453.052	2470.921	---	PASS
11N40SISO	Ant1	2422	36.393	2403.847	2440.240	---	PASS
		2427	36.328	2408.793	2445.121	---	PASS
		2432	36.348	2413.773	2450.121	---	PASS
		2437	36.258	2418.813	2455.071	---	PASS
		2442	36.262	2423.858	2460.120	---	PASS
		2447	36.158	2428.866	2465.024	---	PASS
		2452	36.383	2433.700	2470.083	---	PASS

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



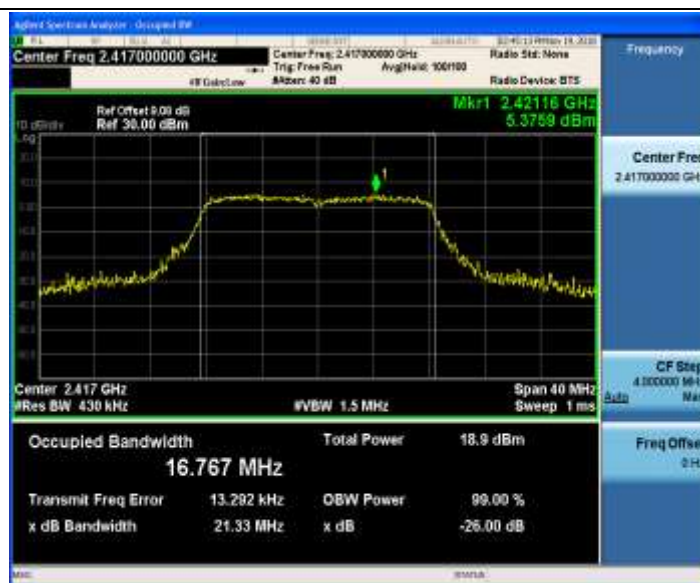
11B_Ant1_2462



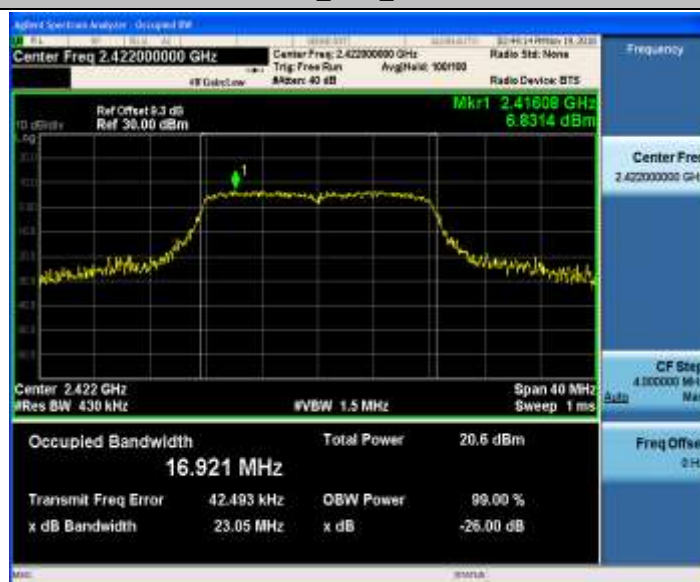
11G_Ant1_2412



11G_Ant1_2417



11G_Ant1_2422



11G_Ant1_2437



11G_Ant1_2452



11G_Ant1_2457



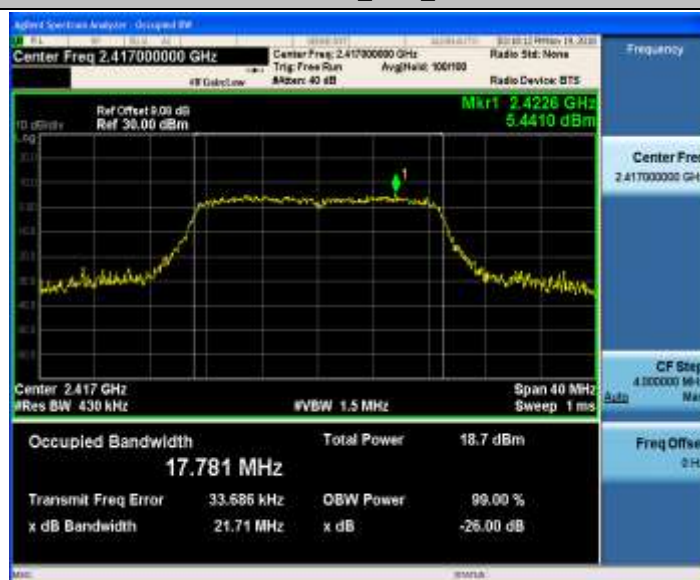
11G_Ant1_2462



11N20SISO_Ant1_2412



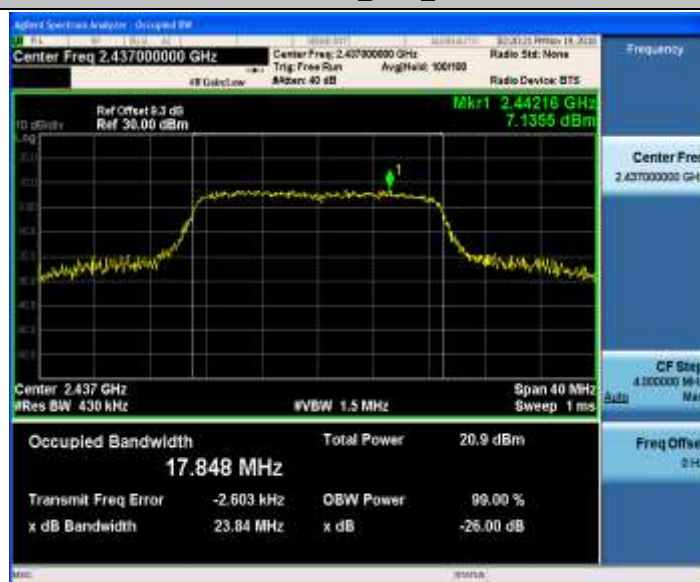
11N20SISO_Ant1_2417



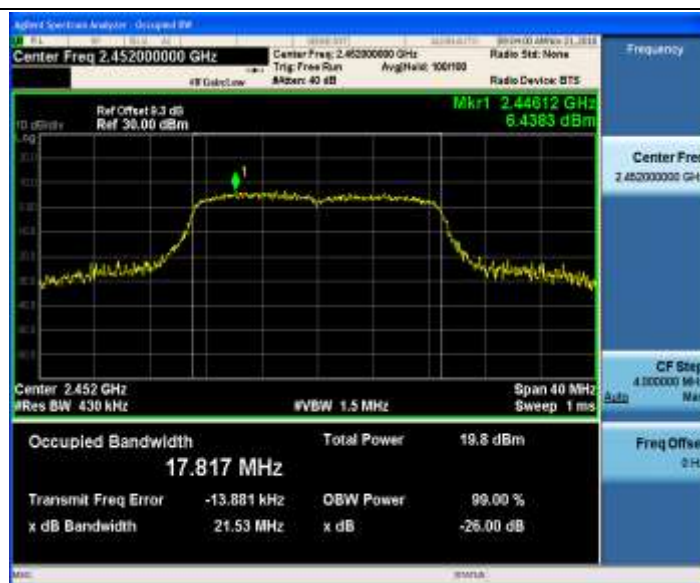
11N20SISO_Ant1_2422



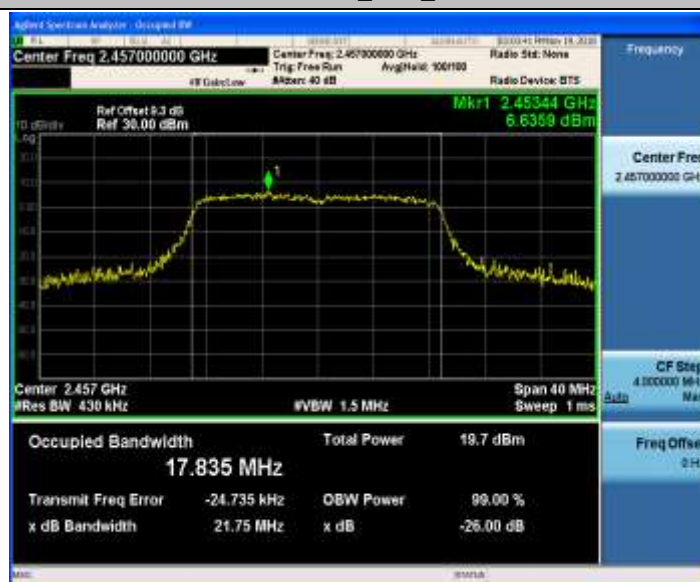
11N20SISO_Ant1_2437



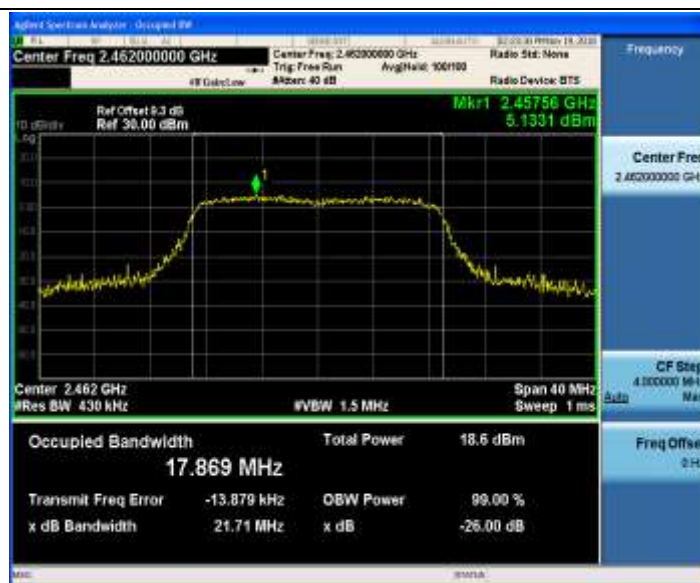
11N20SISO_Ant1_2452



11N20SISO_Ant1_2457



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2432



11N40SISO_Ant1_2437



11N40SISO_Ant1_2442



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452



Appendix C: Duty Cycle

Test Result

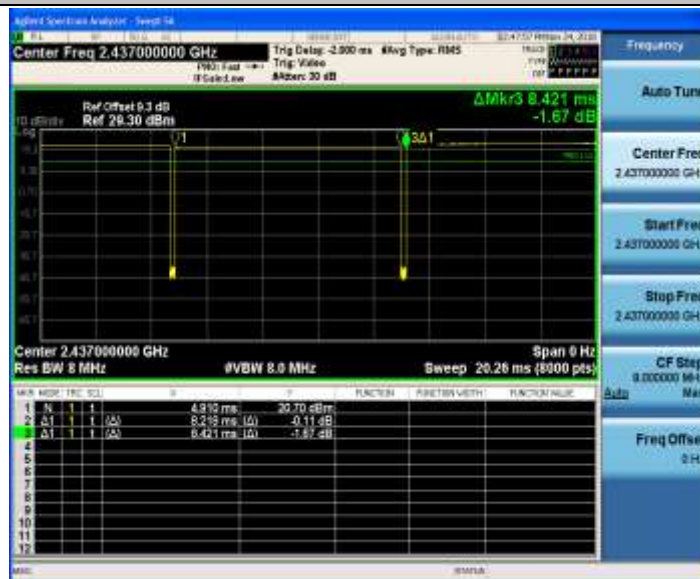
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.22	8.42	97.59
		2437	8.22	8.42	97.59
		2462	8.22	8.42	97.59
11G	Ant1	2412	1.36	1.56	87.12
		2417	1.36	1.56	87.19
		2422	1.36	1.56	87.12
		2437	1.36	1.56	87.12
		2452	1.36	1.56	87.12
		2457	1.36	1.56	87.19
		2462	1.36	1.56	87.10
11N20SISO	Ant1	2412	1.27	1.47	86.34
		2417	1.27	1.47	86.34
		2422	1.27	1.47	86.34
		2437	1.27	1.47	86.43
		2452	1.27	1.47	86.34
		2457	1.27	1.47	86.34
		2462	1.27	1.47	86.43
11N40SISO	Ant1	2422	0.63	0.84	75.76
		2427	0.63	0.84	75.76
		2432	0.63	0.83	75.87
		2437	0.63	0.84	75.76
		2442	0.63	0.83	75.87
		2447	0.63	0.83	75.87
		2452	0.63	0.84	75.76

Test Graphs

11B_Ant1_2412



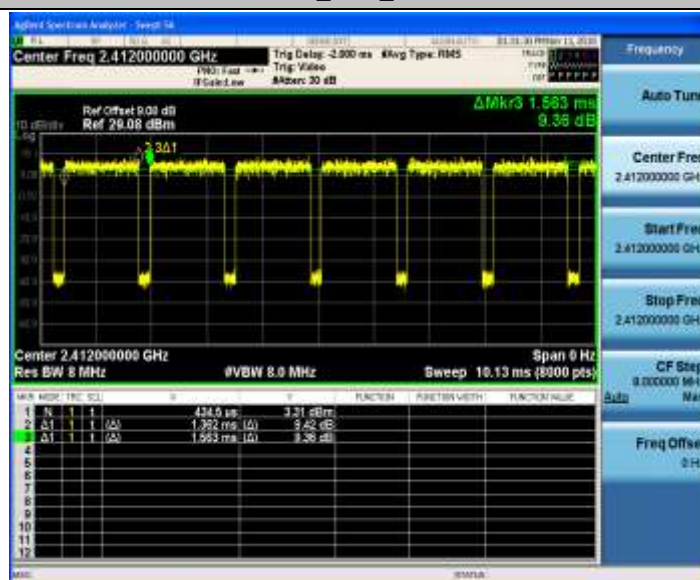
11B_Ant1_2437



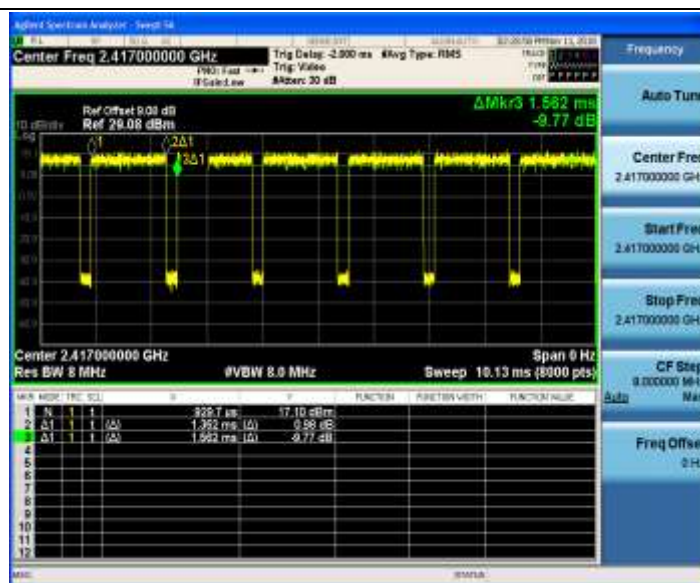
11B_Ant1_2462



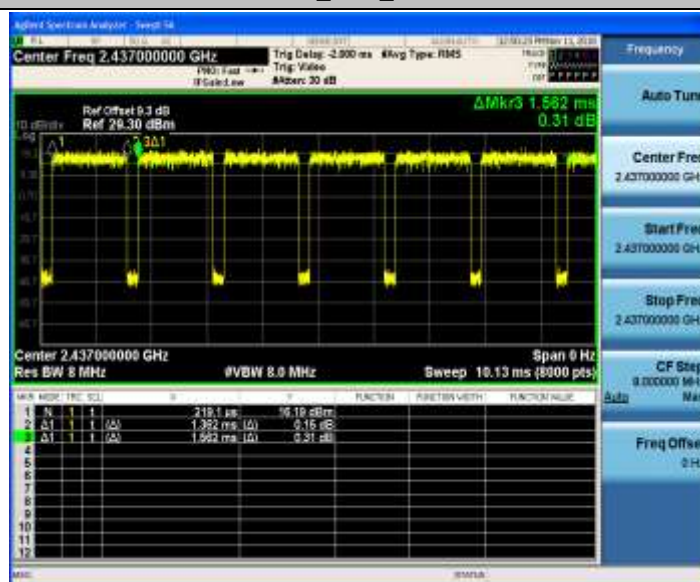
11G_Ant1_2412



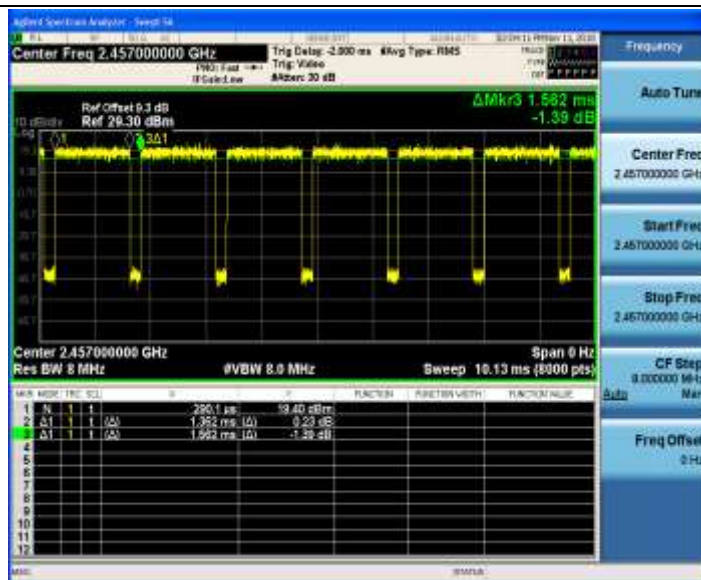
11G_Ant1_2417



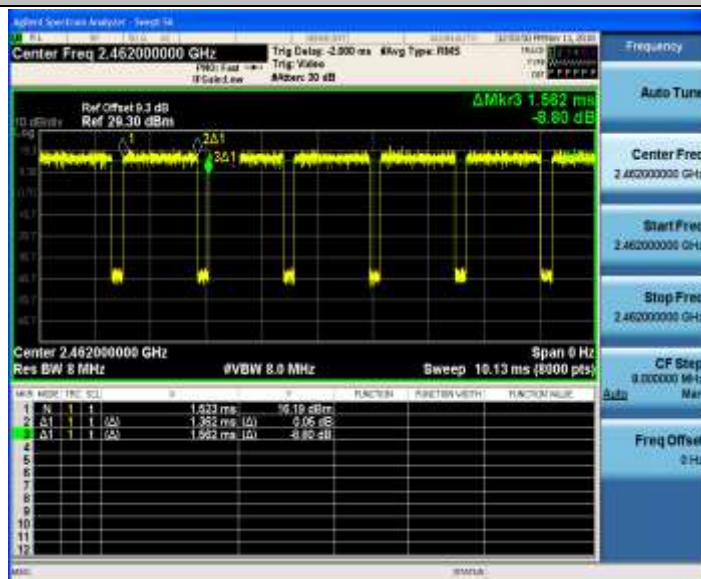
11G_Ant1_2437



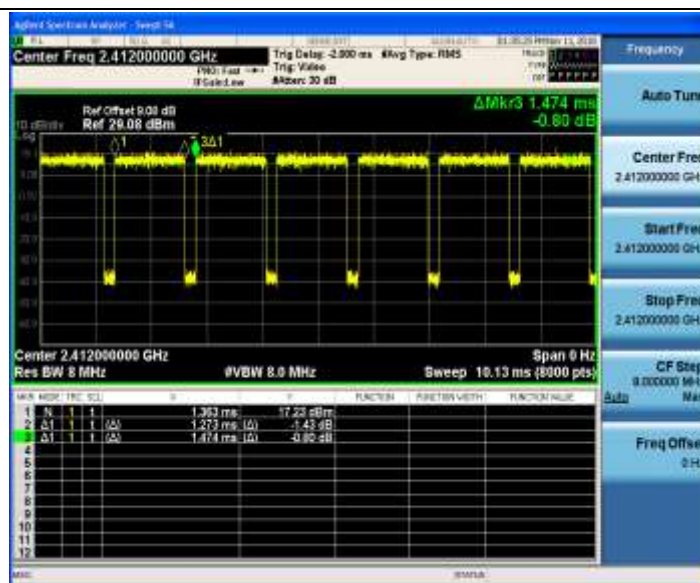
11G_Ant1_2457



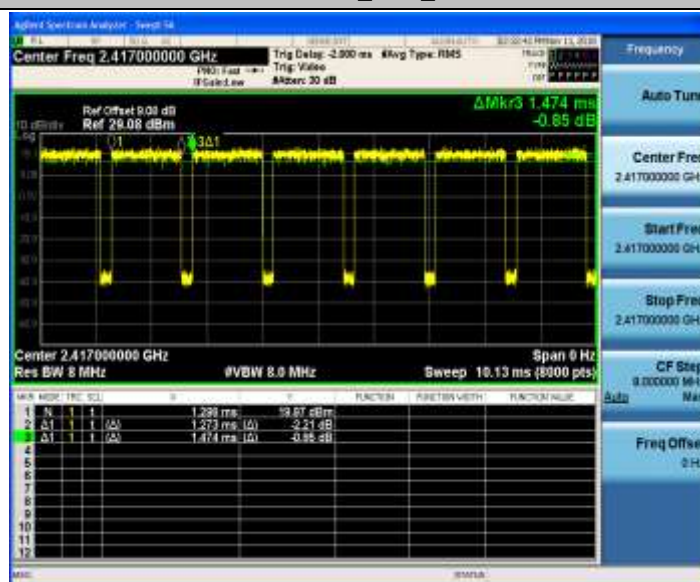
11G_Ant1_2462



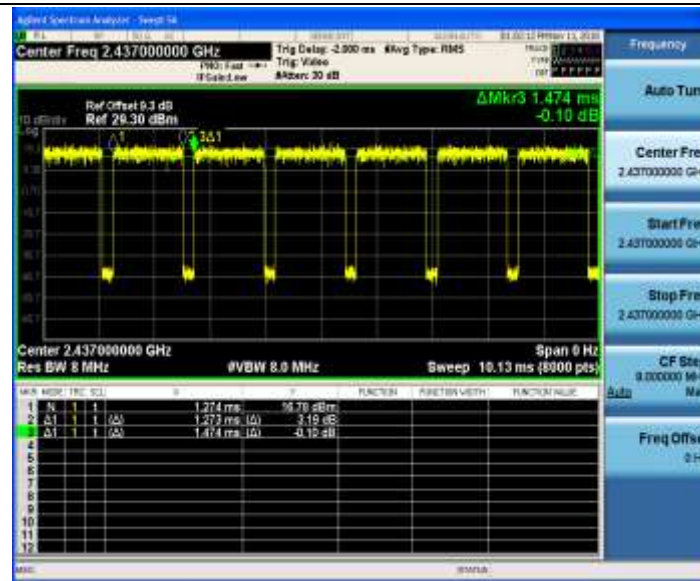
11N20SISO_Ant1_2412



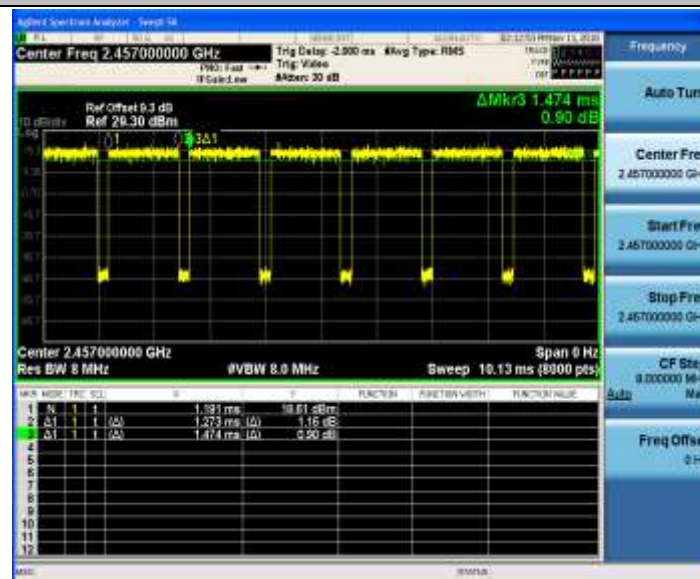
11N20SISO_Ant1_2417



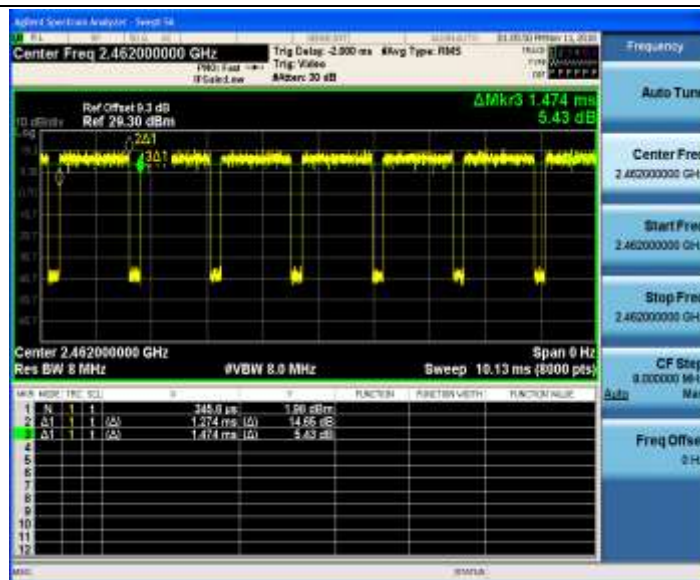
11N20SISO_Ant1_2437



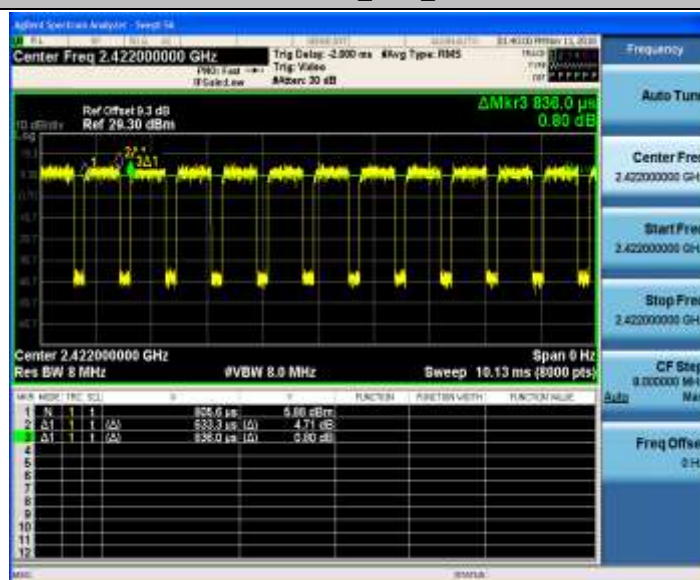
11N20SISO_Ant1_2457



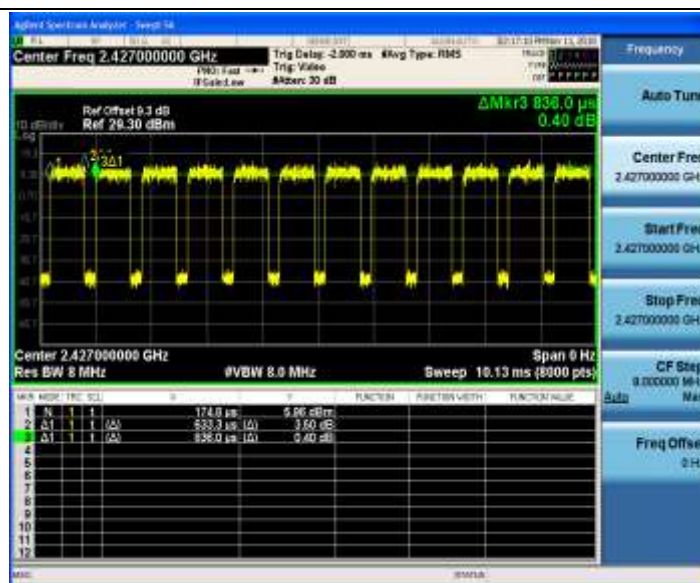
11N20SISO_Ant1_2462



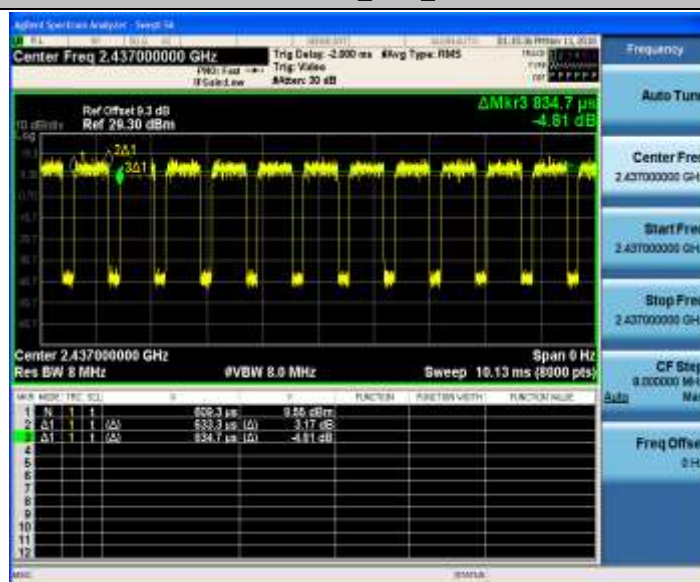
11N40SISO_Ant1_2422



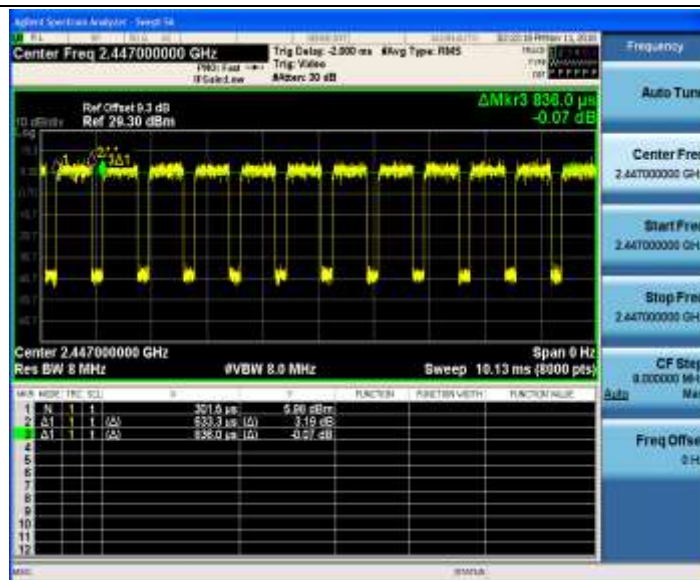
11N40SISO_Ant1_2427



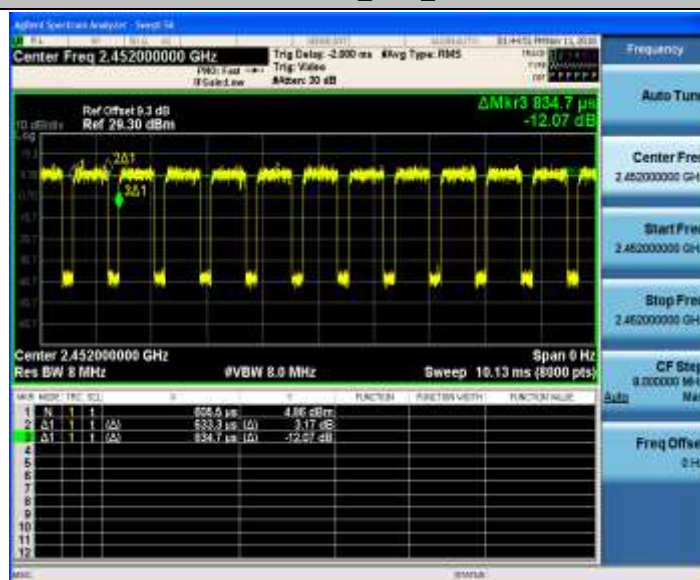
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452



Appendix D: Maximum conducted Average output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	16.82	30	PASS
		2437	17.37	30	PASS
		2462	17.39	30	PASS
11G	Ant1	2412	10.65	30	PASS
		2417	12.84	30	PASS
		2422	14.58	30	PASS
		2437	14.94	30	PASS
		2452	13.91	30	PASS
		2457	13.63	30	PASS
		2462	12.61	30	PASS
11N20SISO	Ant1	2412	10.52	30	PASS
		2417	12.76	30	PASS
		2422	14.57	30	PASS
		2437	14.88	30	PASS
		2452	13.78	30	PASS
		2457	13.64	30	PASS
		2462	12.60	30	PASS
11N40SISO	Ant1	2422	8.70	30	PASS
		2427	10.62	30	PASS
		2432	12.43	30	PASS
		2437	11.70	30	PASS
		2442	12.24	30	PASS
		2447	9.57	30	PASS
		2452	8.77	30	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Test Graphs

11B_Ant1_2412



11B_Ant1_2437



11B_Ant1_2462



11G_Ant1_2412



11G_Ant1_2417



11G_Ant1_2422



11G_Ant1_2437



11G_Ant1_2452



11G_Ant1_2457



11G_Ant1_2462



11N20SISO_Ant1_2412



11N20SISO_Ant1_2417



11N20SISO_Ant1_2422



11N20SISO_Ant1_2437



11N20SISO_Ant1_2452



11N20SISO_Ant1_2457



11N20SISO_Ant1_2462



11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2432



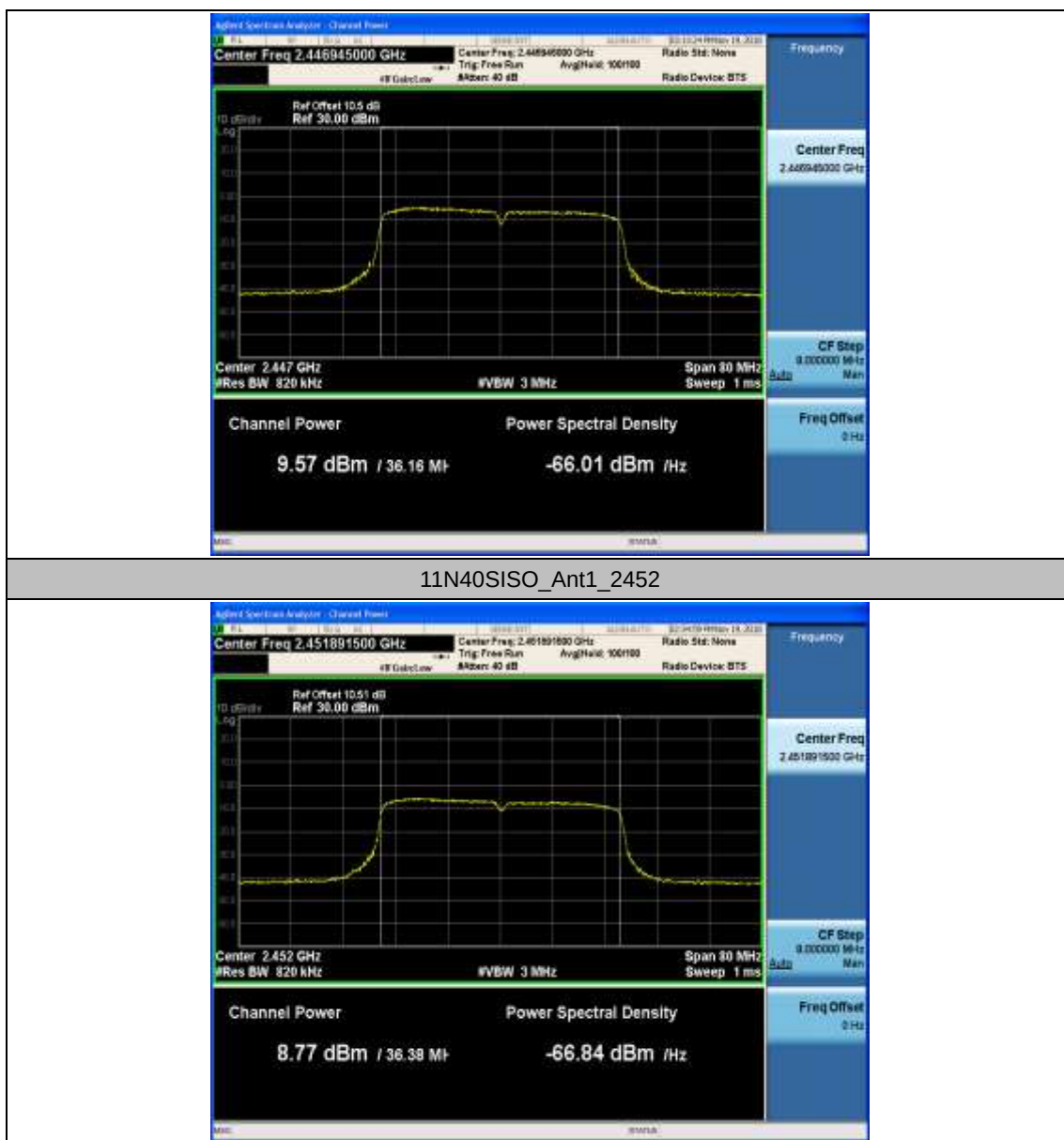
11N40SISO_Ant1_2437



11N40SISO_Ant1_2442



11N40SISO_Ant1_2447



Appendix E: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-10.06	8	PASS
		2437	-9.29	8	PASS
		2462	-9.09	8	PASS
11G	Ant1	2412	-18.12	8	PASS
		2417	-15.98	8	PASS
		2422	-14.03	8	PASS
		2437	-13.69	8	PASS
		2452	-14.61	8	PASS
		2457	-14.62	8	PASS
		2462	-15.71	8	PASS
11N20SISO	Ant1	2412	-18.29	8	PASS
		2417	-15.58	8	PASS
		2422	-14	8	PASS
		2437	-13.53	8	PASS
		2452	-15.14	8	PASS
		2457	-15.09	8	PASS
		2462	-15.34	8	PASS
11N40SISO	Ant1	2422	-19.97	8	PASS
		2427	-16.55	8	PASS
		2432	-18.74	8	PASS
		2437	-16.68	8	PASS
		2442	-18.73	8	PASS
		2447	-17.83	8	PASS
		2452	-14.21	8	PASS

Note: The Duty Cycle Factor is compensated in the graph.

Test Graphs

11B_Ant1_2412



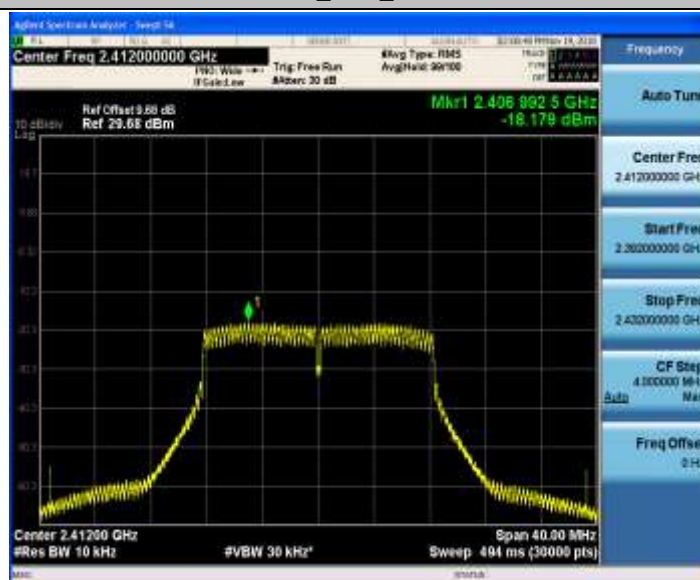
11B_Ant1_2437



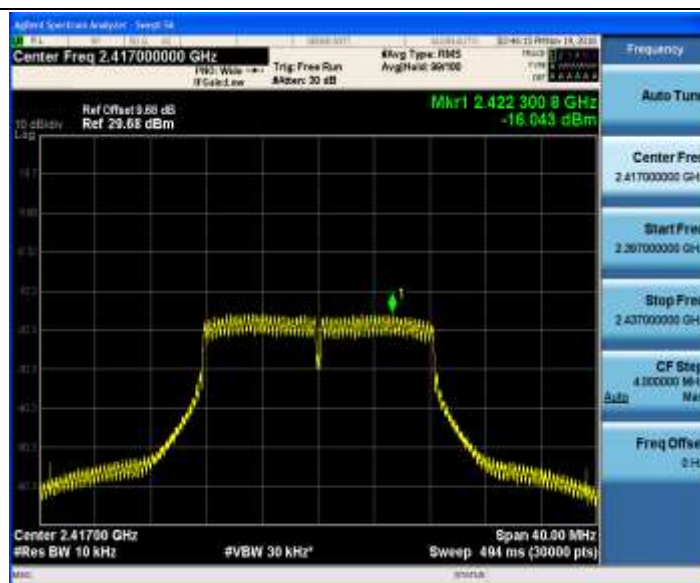
11B_Ant1_2462



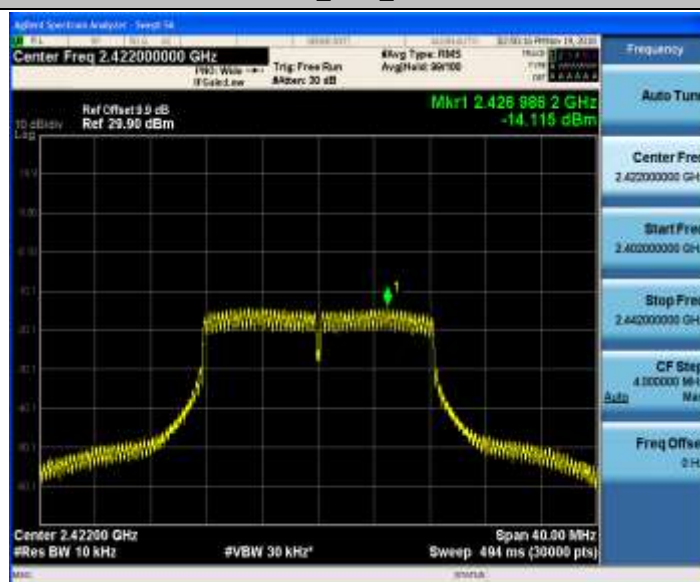
11G_Ant1_2412



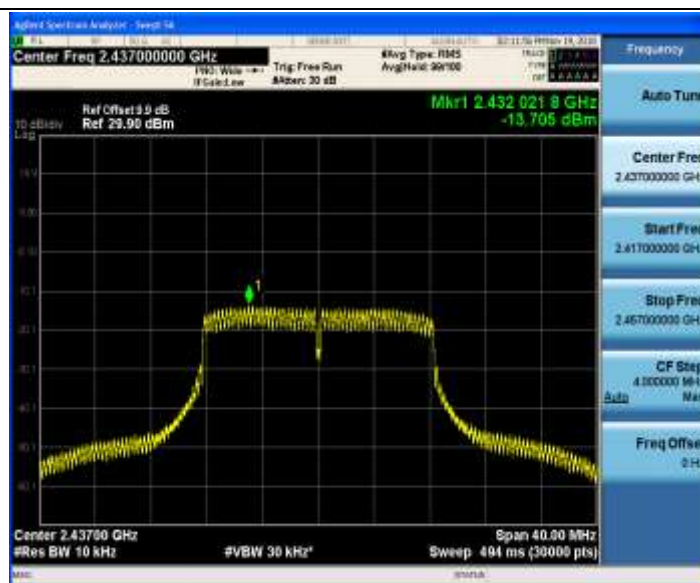
11G_Ant1_2417



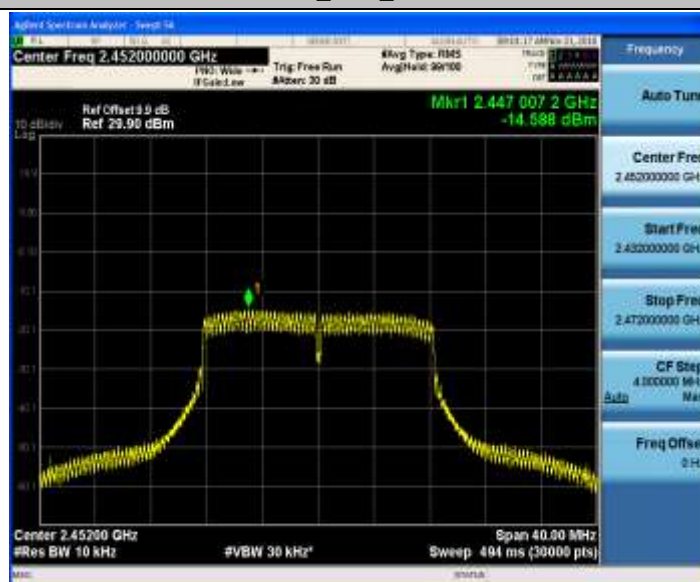
11G_Ant1_2422



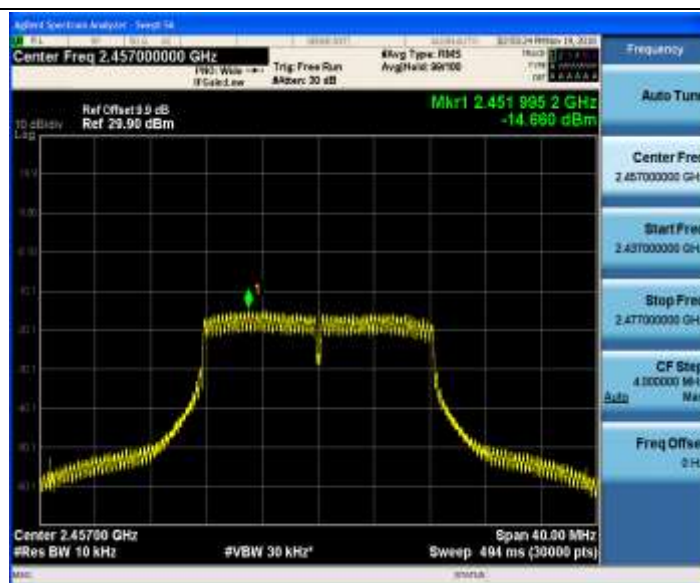
11G_Ant1_2437



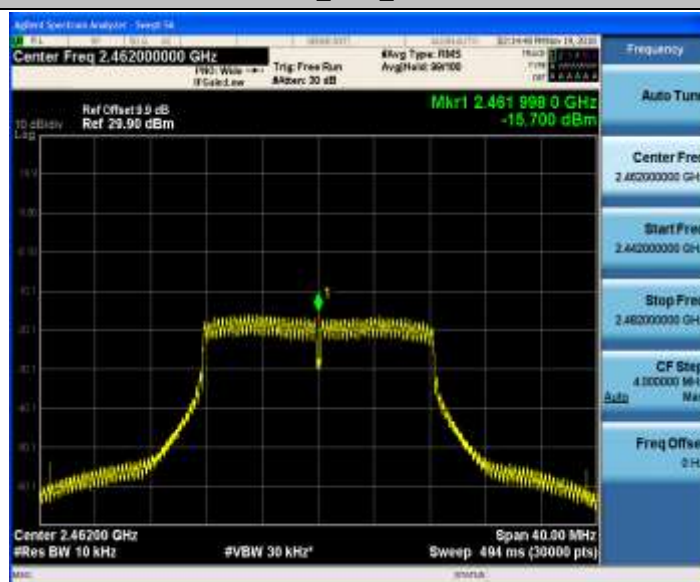
11G_Ant1_2452



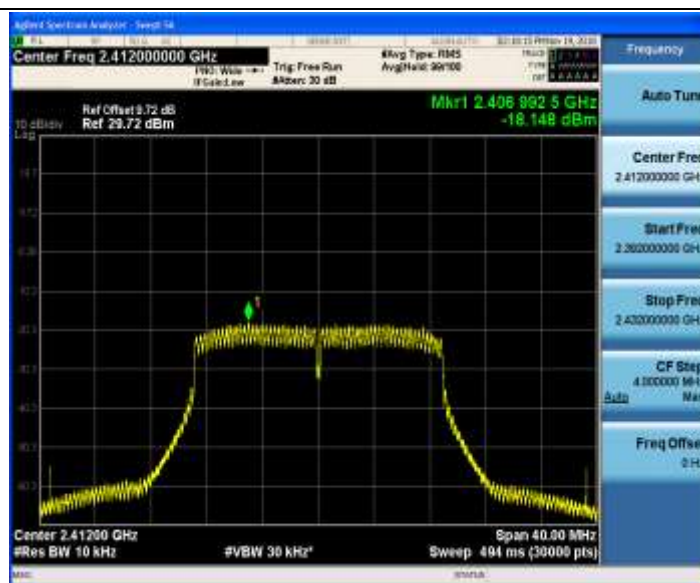
11G_Ant1_2457



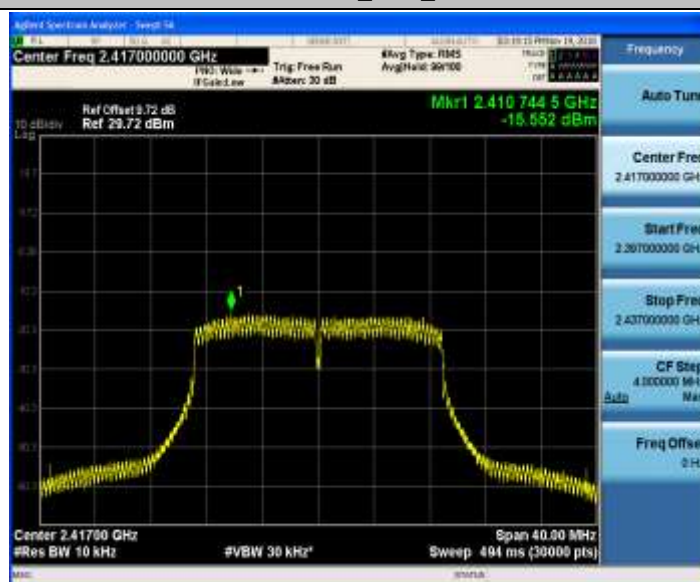
11G_Ant1_2462



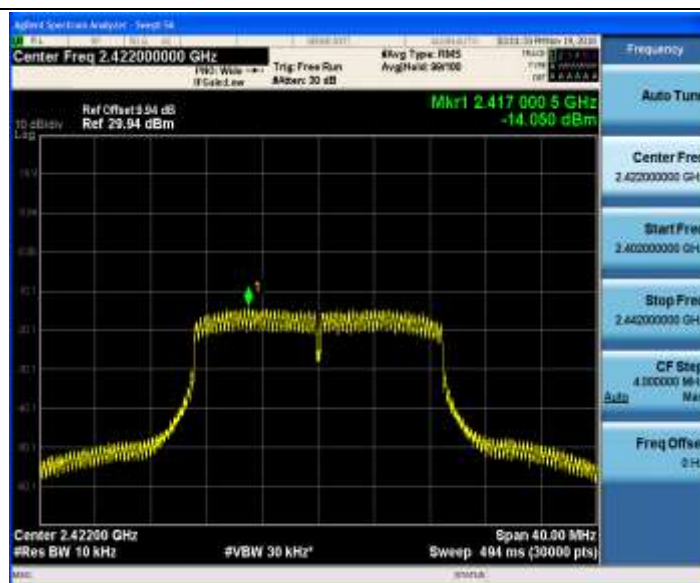
11N20SISO_Ant1_2412



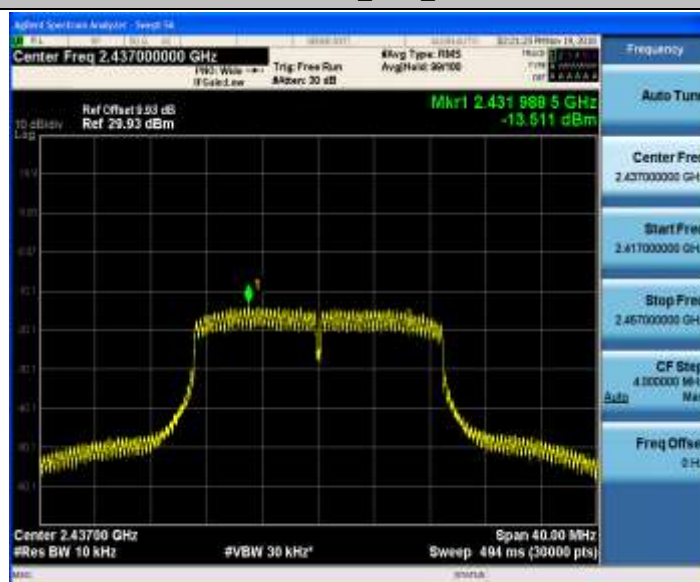
11N20SISO_Ant1_2417



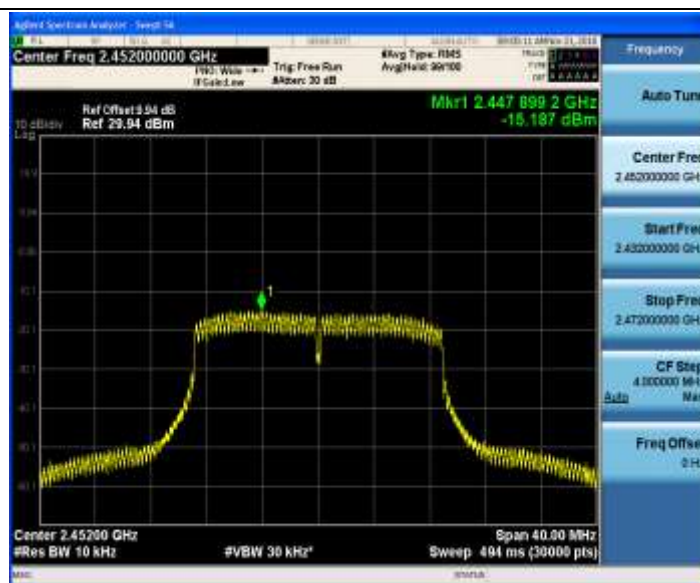
11N20SISO_Ant1_2422



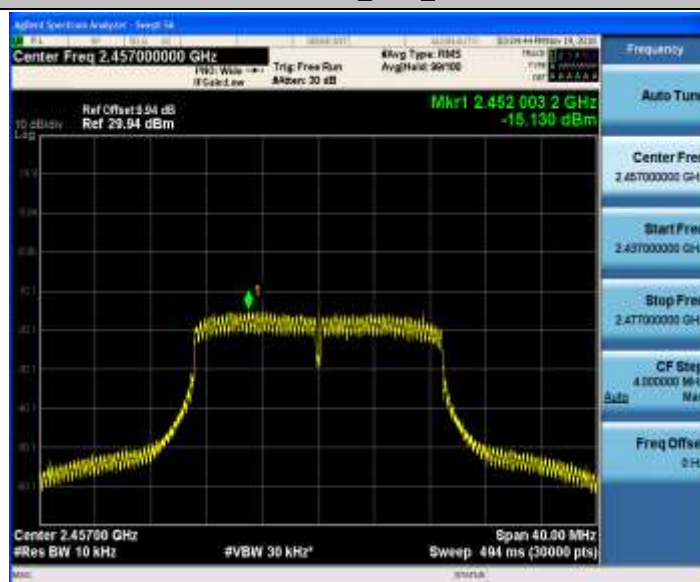
11N20SISO_Ant1_2437



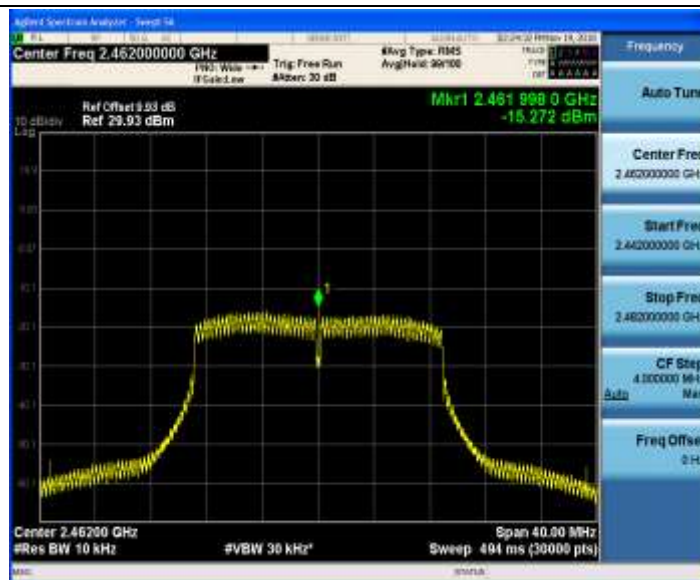
11N20SISO_Ant1_2452



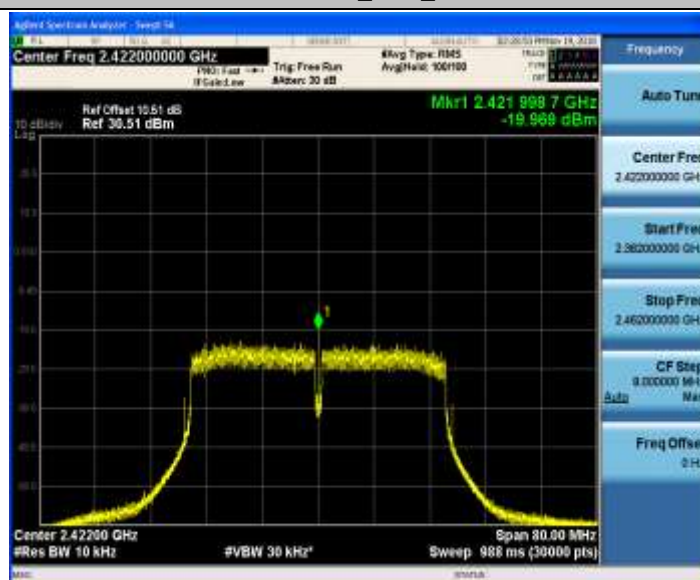
11N20SISO_Ant1_2457



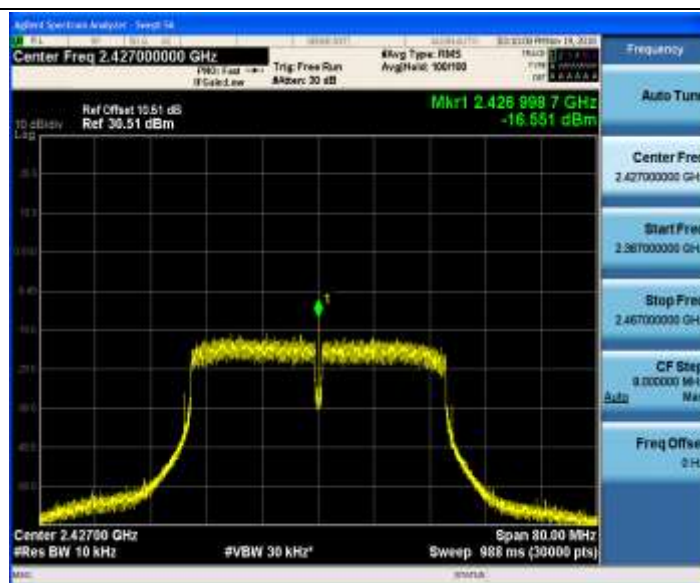
11N20SISO_Ant1_2462



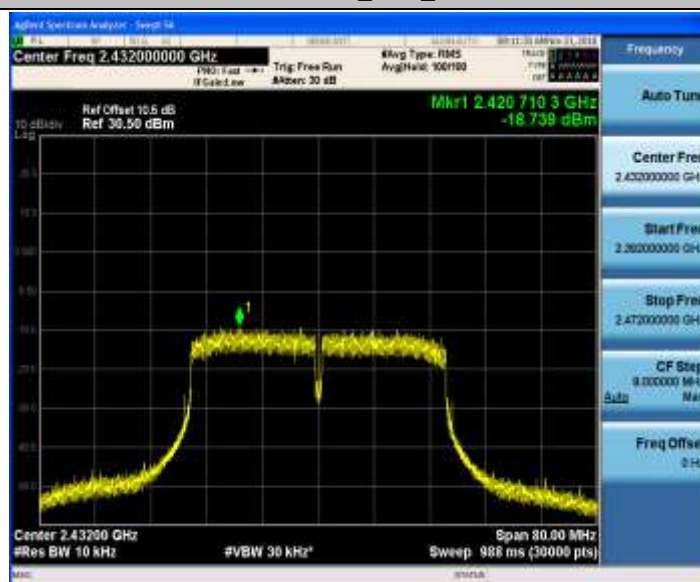
11N40SISO_Ant1_2422



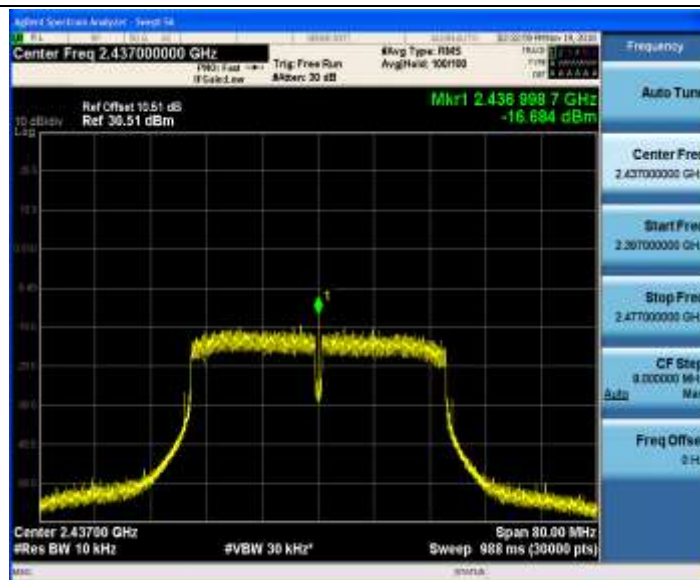
11N40SISO_Ant1_2427



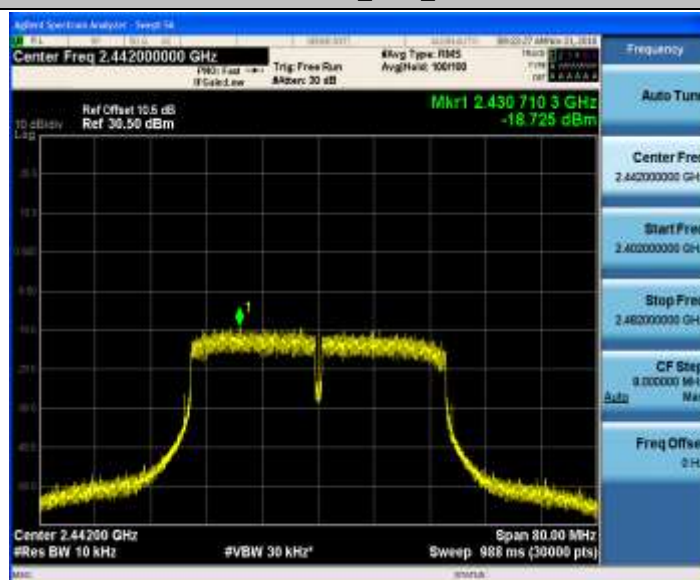
11N40SISO_Ant1_2432



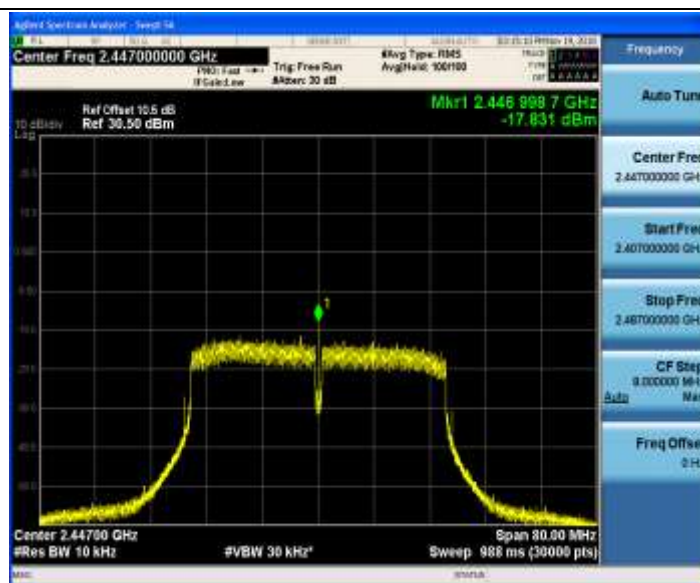
11N40SISO_Ant1_2437



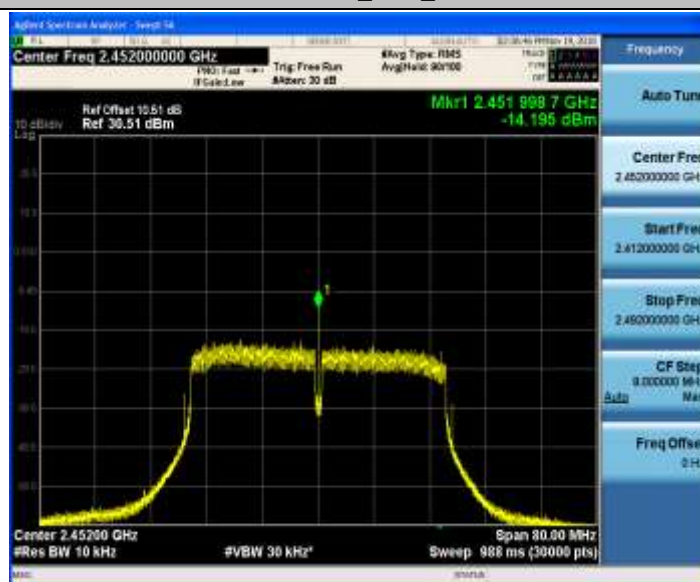
11N40SISO_Ant1_2442



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452



Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	7.95	-31.68	-22.05	PASS
		High	2462	8.57	-50.17	-21.43	PASS
11G	Ant1	Low	2412	-0.57	-37.41	-30.57	PASS
			2417	1.70	-34.93	-28.3	PASS
			2422	3.95	-37.78	-26.05	PASS
		High	2452	3.25	-51.12	-26.75	PASS
			2457	3.00	-49.44	-27	PASS
			2462	1.94	-44.82	-28.06	PASS
11N20SISO	Ant1	Low	2412	-0.72	-38.57	-30.72	PASS
			2417	1.47	-36.17	-28.53	PASS
			2422	3.94	-35.15	-26.06	PASS
		High	2452	3.19	-50.15	-26.81	PASS
			2457	3.06	-50.47	-26.94	PASS
			2462	1.98	-45.51	-28.02	PASS
11N40SISO	Ant1	Low	2422	-5.07	-38.63	-35.07	PASS
			2427	-3.54	-41.63	-33.54	PASS
			2432	-0.99	-35.62	-30.99	PASS
		High	2442	-2.32	-45.82	-32.32	PASS
			2447	-4.19	-46.93	-34.19	PASS
			2452	-4.57	-47.41	-34.57	PASS

Test Graphs

11B_Ant1_Low_2412



11B_Ant1_High_2462



11G_Ant1_Low_2412



11G_Ant1_Low_2417



11G_Ant1_Low_2422



11G_Ant1_High_2452



11G_Ant1_High_2457



11G_Ant1_High_2462



11N20SISO_Ant1_Low_2412



11N20SISO_Ant1_Low_2417



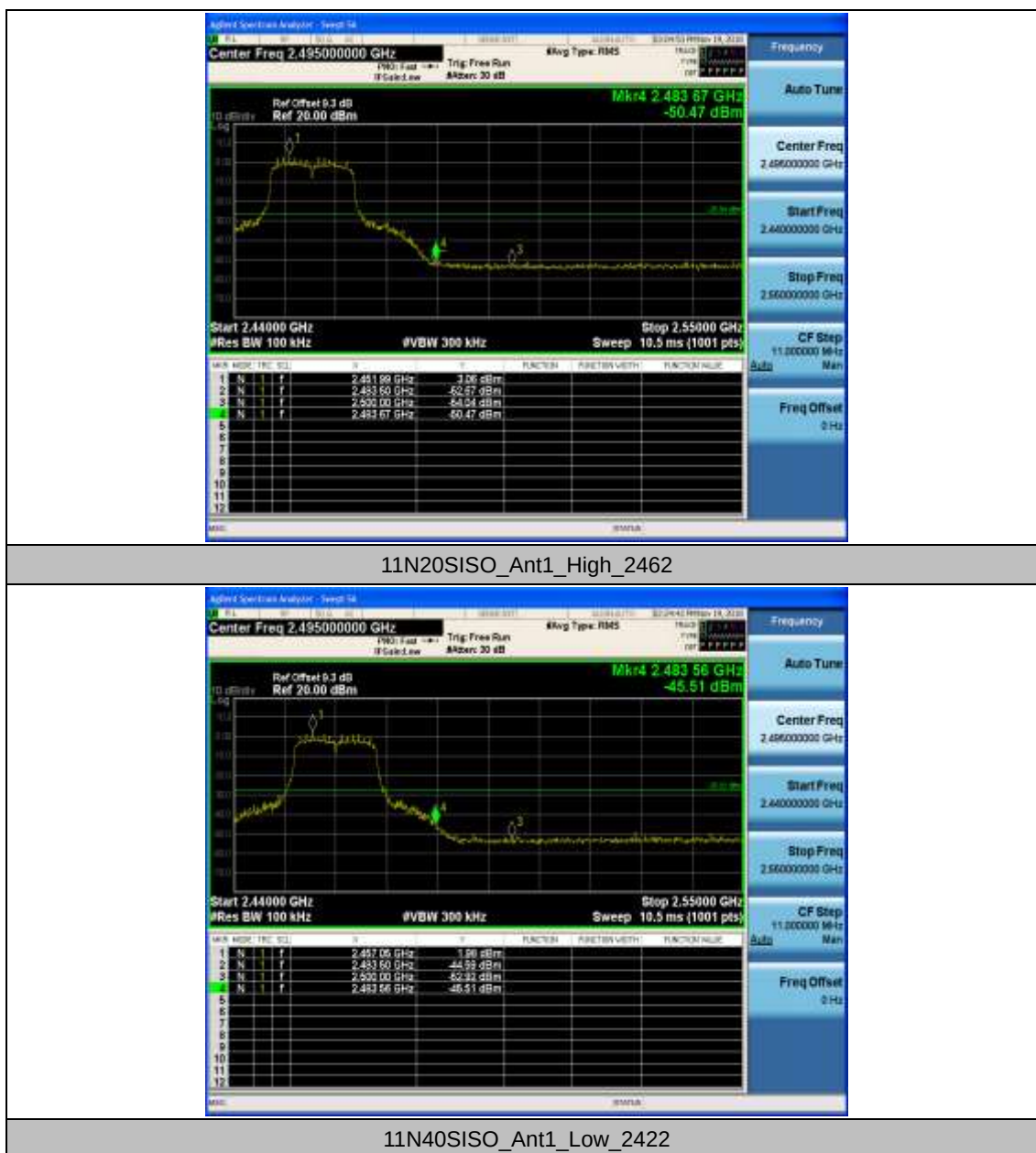
11N20SISO_Ant1_Low_2422



11N20SISO_Ant1_High_2452



11N20SISO_Ant1_High_2457

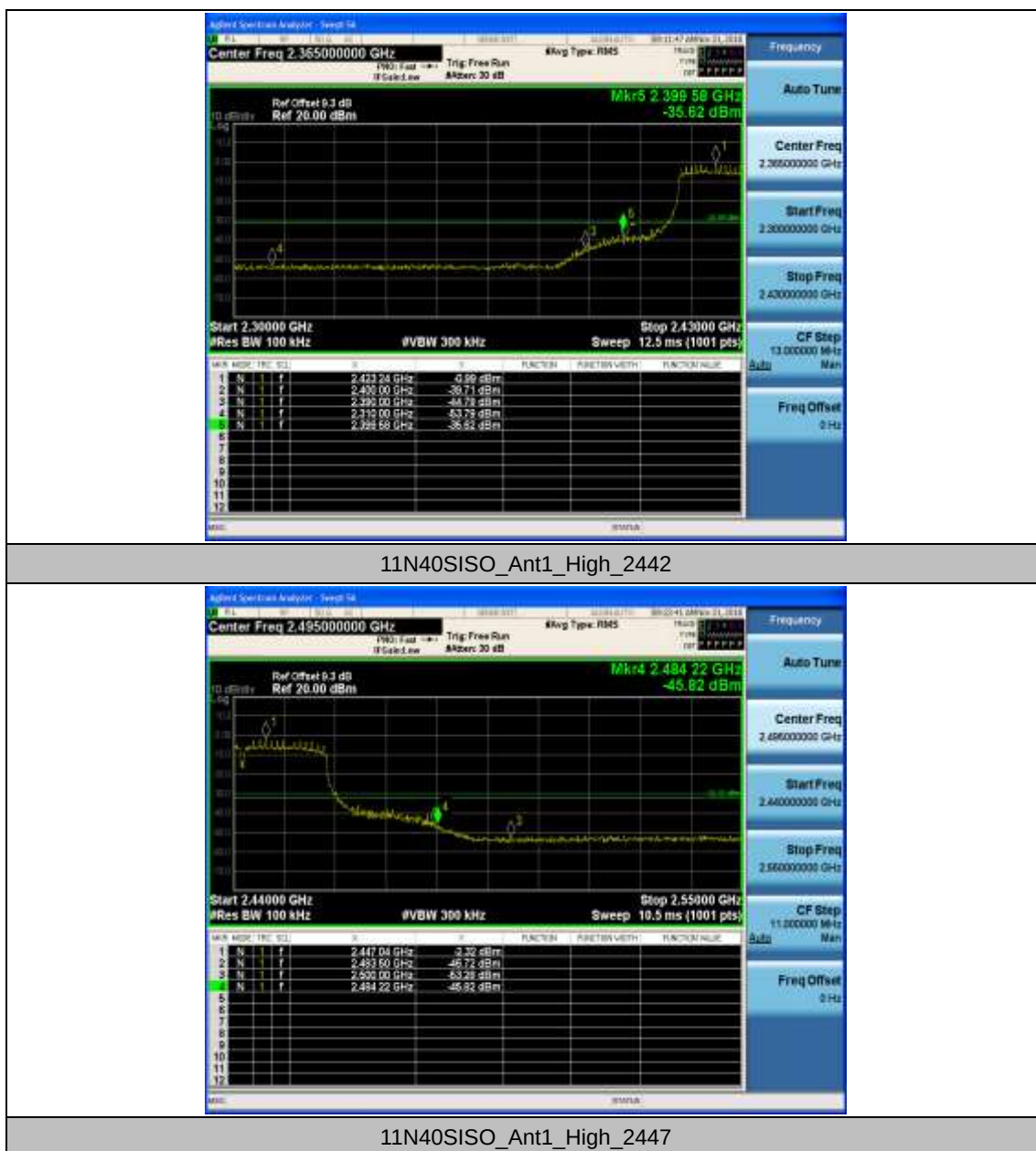


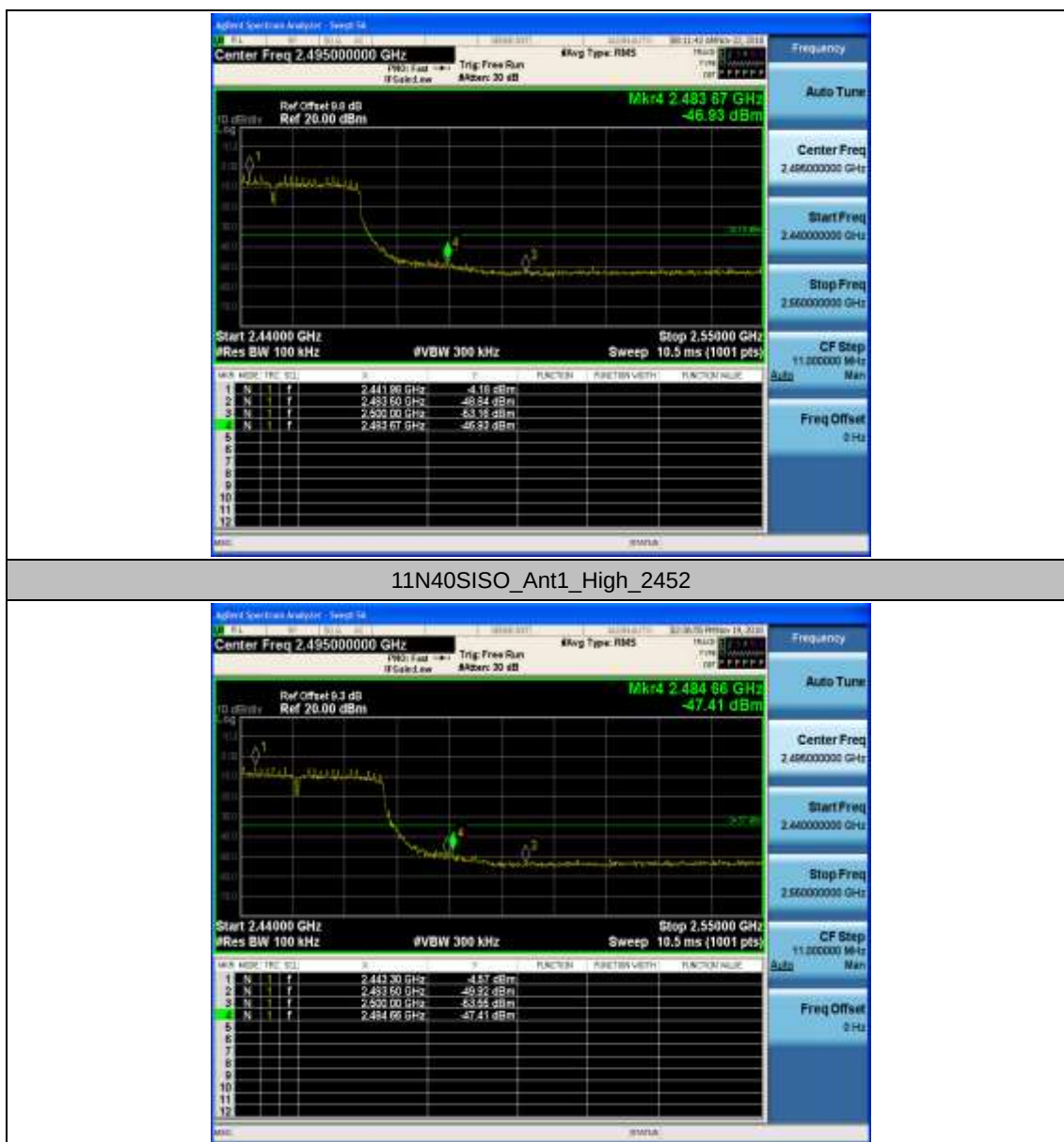


11N40SISO_Ant1_Low_2427



11N40SISO_Ant1_Low_2432





Appendix G: Unwanted Emissions into Non-Restricted Frequency Bands

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	Reference	6.50	6.50	---	PASS
			0.009~30	0.009~30	-75.25	-33.5	PASS
			30~1000	30~1000	-62.31	-23.5	PASS
			1000~26500	1000~26500	-37.37	-23.5	PASS
		2437	Reference	7.71	7.71	---	PASS
			0.009~30	0.009~30	-75.03	-32.29	PASS
			30~1000	30~1000	-62.72	-22.29	PASS
			1000~26500	1000~26500	-37.7	-22.29	PASS
		2462	Reference	7.02	7.02	---	PASS
			0.009~30	0.009~30	-75.03	-32.98	PASS
			30~1000	30~1000	-63.2	-22.98	PASS
			1000~26500	1000~26500	-37.52	-22.98	PASS
11G	Ant1	2412	Reference	-1.49	-1.49	---	PASS
			0.009~30	0.009~30	-75.07	-41.49	PASS
			30~1000	30~1000	-63.09	-31.49	PASS
			1000~26500	1000~26500	-37.58	-31.49	PASS
		2417	Reference	1.57	1.57	---	PASS
			0.009~30	0.009~30	-75.63	-38.43	PASS
			30~1000	30~1000	-62.69	-28.43	PASS
			1000~26500	1000~26500	-37.23	-28.43	PASS
		2422	Reference	3.19	3.19	---	PASS
			0.009~30	0.009~30	-74.64	-36.81	PASS
			30~1000	30~1000	-62.8	-26.81	PASS
			1000~26500	1000~26500	-37.18	-26.81	PASS
		2437	Reference	3.39	3.39	---	PASS

			0.009~30	0.009~30	-74.53	-36.61	PASS
			30~1000	30~1000	-62.88	-26.61	PASS
			1000~2650 0	1000~26500	-37.48	-26.61	PASS
		2452	Reference	2.32	2.32	---	PASS
			0.009~30	0.009~30	-75.03	-37.68	PASS
			30~1000	30~1000	-63.01	-27.68	PASS
			1000~2650 0	1000~26500	-37.86	-27.68	PASS
		2457	Reference	2.00	2.00	---	PASS
			0.009~30	0.009~30	-74.87	-38	PASS
			30~1000	30~1000	-62.15	-28	PASS
			1000~2650 0	1000~26500	-38.11	-28	PASS
		2462	Reference	1.70	1.70	---	PASS
			0.009~30	0.009~30	-73.13	-38.3	PASS
			30~1000	30~1000	-62.57	-28.3	PASS
			1000~2650 0	1000~26500	-37.25	-28.3	PASS
11N20SIS O	Ant1	2412	Reference	-0.75	-0.75	---	PASS
			0.009~30	0.009~30	-74.52	-40.75	PASS
			30~1000	30~1000	-63.75	-30.75	PASS
			1000~2650 0	1000~26500	-36.77	-30.75	PASS
		2417	Reference	1.66	1.66	---	PASS
			0.009~30	0.009~30	-74.86	-38.34	PASS
			30~1000	30~1000	-62.74	-28.34	PASS
			1000~2650 0	1000~26500	-38.56	-28.34	PASS
		2422	Reference	3.03	3.03	---	PASS
			0.009~30	0.009~30	-74.85	-36.97	PASS
			30~1000	30~1000	-62.43	-26.97	PASS
			1000~2650 0	1000~26500	-37.96	-26.97	PASS
		2437	Reference	3.67	3.67	---	PASS
			0.009~30	0.009~30	-74.07	-36.33	PASS
			30~1000	30~1000	-63.06	-26.33	PASS
			1000~2650	1000~26500	-37.46	-26.33	PASS

			0				
		2452	Reference	3.19	3.19	---	PASS
			0.009~30	0.009~30	-75.22	-36.81	PASS
			30~1000	30~1000	-63.29	-26.81	PASS
			1000~2650 0	1000~26500	-37.71	-26.81	PASS
		2457	Reference	2.42	2.42	---	PASS
			0.009~30	0.009~30	-74.1	-37.58	PASS
			30~1000	30~1000	-63.06	-27.58	PASS
			1000~2650 0	1000~26500	-37.47	-27.58	PASS
		2462	Reference	2.02	2.02	---	PASS
			0.009~30	0.009~30	-74.85	-37.98	PASS
			30~1000	30~1000	-63.28	-27.98	PASS
			1000~2650 0	1000~26500	-37.23	-27.98	PASS
11N40SIS O	Ant1	2422	Reference	-5.26	-5.26	---	PASS
			0.009~30	0.009~30	-75.03	-45.26	PASS
			30~1000	30~1000	-62.86	-35.26	PASS
			1000~2650 0	1000~26500	-36.21	-35.26	PASS
		2427	Reference	-3.36	-3.36	---	PASS
			0.009~30	0.009~30	-73.81	-43.36	PASS
			30~1000	30~1000	-62.65	-33.36	PASS
			1000~2650 0	1000~26500	-37.48	-33.36	PASS
		2432	Reference	-1.02	-1.02	---	PASS
			0.009~30	0.009~30	-75.12	-41.02	PASS
			30~1000	30~1000	-62.74	-31.02	PASS
			1000~2650 0	1000~26500	-37.69	-31.02	PASS
		2437	Reference	-1.69	-1.69	---	PASS
			0.009~30	0.009~30	-74.93	-41.69	PASS
			30~1000	30~1000	-62.74	-31.69	PASS
			1000~2650 0	1000~26500	-37.26	-31.69	PASS
		2442	Reference	-1.66	-1.66	---	PASS
			0.009~30	0.009~30	-74.92	-41.66	PASS



			30~1000	30~1000	-63.41	-31.66	PASS
			1000~2650 0	1000~26500	-38.05	-31.66	PASS
		2447	Reference	-3.83	-3.83	---	PASS
			0.009~30	0.009~30	-74.62	-43.83	PASS
			30~1000	30~1000	-62.28	-33.83	PASS
			1000~2650 0	1000~26500	-37.76	-33.83	PASS
		2452	Reference	-5.10	-5.10	---	PASS
			0.009~30	0.009~30	-74.27	-45.1	PASS
			30~1000	30~1000	-62.97	-35.1	PASS
			1000~2650 0	1000~26500	-37.66	-35.1	PASS

Test Graphs

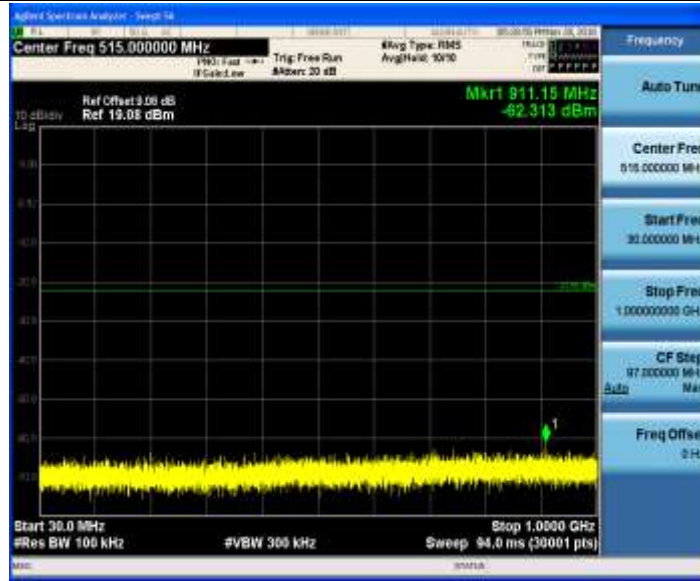
11B_Ant1_2412_0~Reference



11B_Ant1_2412_0.009~30



11B_Ant1_2412_30~1000



11B_Ant1_2412_1000~26500



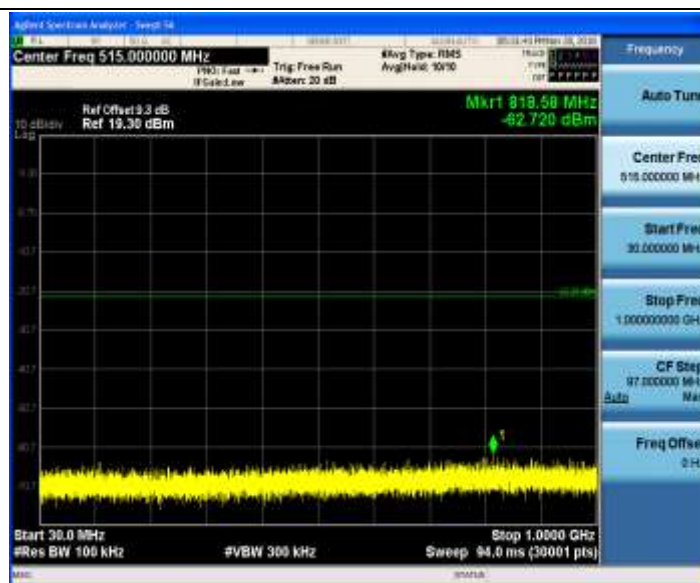
11B_Ant1_2437_0~Reference



11B_Ant1_2437_0.009~30



11B_Ant1_2437_30~1000



11B_Ant1_2437_1000~26500



11B_Ant1_2462_0~Reference



11B_Ant1_2462_0.009~30



11B_Ant1_2462_30~1000



11B_Ant1_2462_1000~26500



11G_Ant1_2412_0~Reference



11G_Ant1_2412_0.009~30



11G_Ant1_2412_30~1000



11G_Ant1_2412_1000~26500



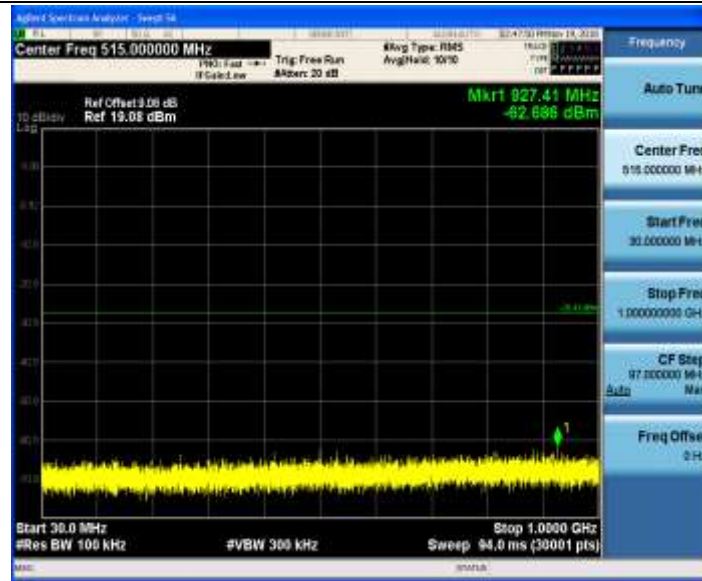
11G_Ant1_2417_0~Reference



11G_Ant1_2417_0.009~30



11G_Ant1_2417_30~1000



11G_Ant1_2417_1000~26500



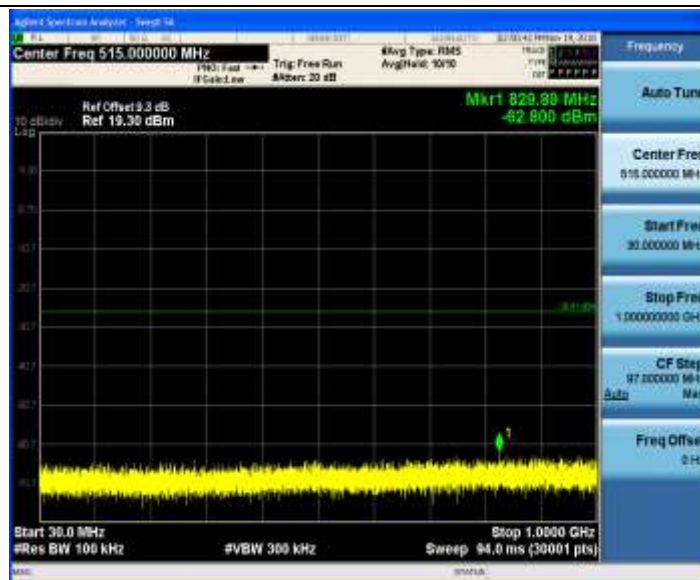
11G_Ant1_2422_0~Reference



11G_Ant1_2422_0.009~30



11G_Ant1_2422_30~1000



11G_Ant1_2422_1000~26500



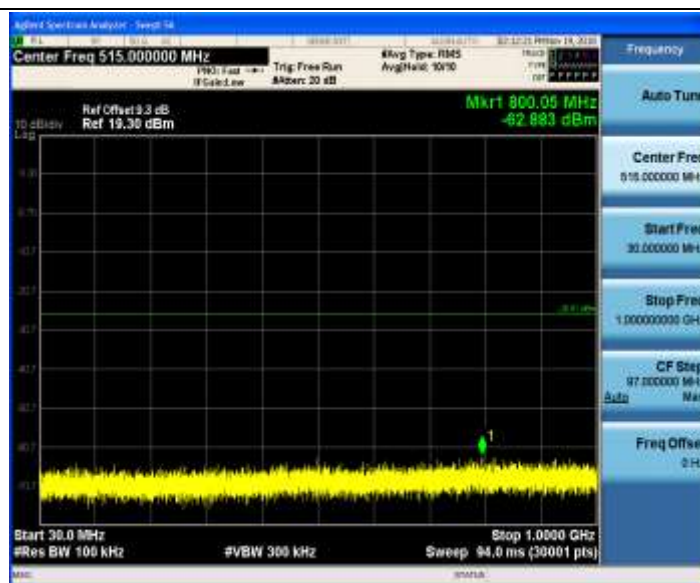
11G_Ant1_2437_0~Reference



11G_Ant1_2437_0.009~30



11G_Ant1_2437_30~1000



11G_Ant1_2437_1000~26500



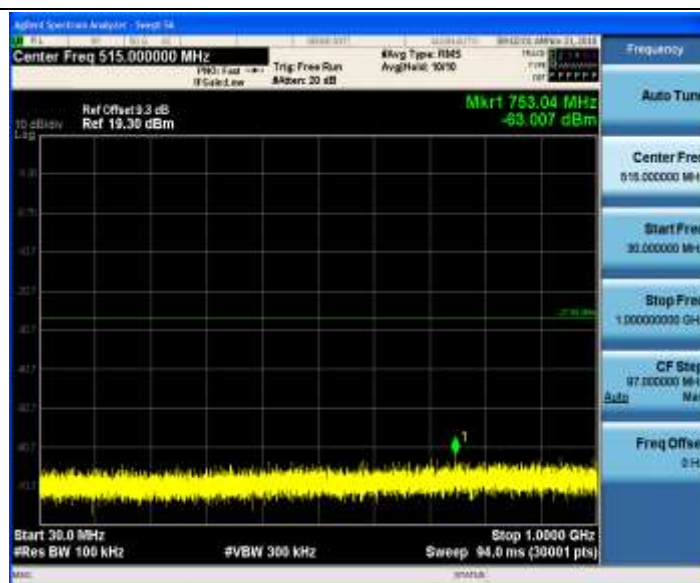
11G_Ant1_2452_0~Reference



11G_Ant1_2452_0.009~30



11G_Ant1_2452_30~1000



11G_Ant1_2452_1000~26500



11G_Ant1_2457_0~Reference



11G_Ant1_2457_0.009~30



11G_Ant1_2457_30~1000



11G_Ant1_2457_1000~26500



11G_Ant1_2462_0~Reference



11G_Ant1_2462_0.009~30



11G_Ant1_2462_30~1000



11G_Ant1_2462_1000~26500



11N20ISO_Ant1_2412_0~Reference



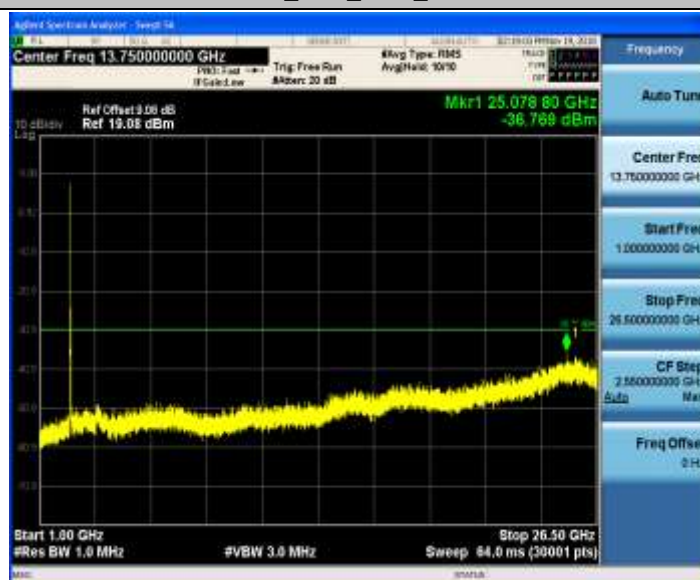
11N20SISO_Ant1_2412_0.009~30



11N20SISO_Ant1_2412_30~1000



11N20SISO_Ant1_2412_1000~26500



11N20SISO_Ant1_2417_0~Reference



11N20SISO_Ant1_2417_0.009~30



11N20SISO_Ant1_2417_30~1000



11N20SISO_Ant1_2417_1000~26500



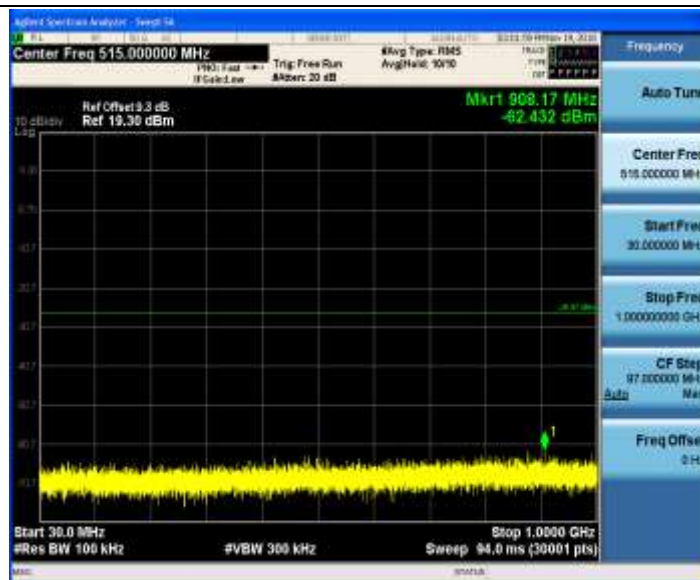
11N20SISO_Ant1_2422_0~Reference



11N20SISO_Ant1_2422_0.009~30



11N20SISO_Ant1_2422_30~1000



11N20SISO_Ant1_2422_1000~26500



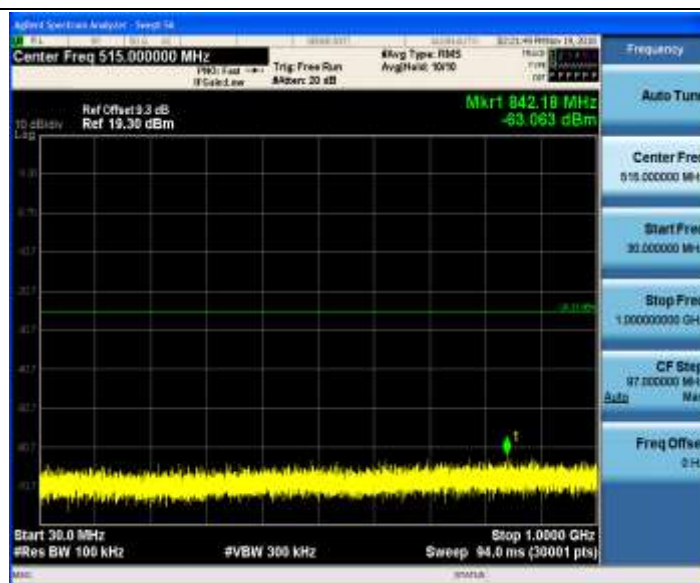
11N20SISO_Ant1_2437_0~Reference



11N20SISO_Ant1_2437_0.009~30



11N20SISO_Ant1_2437_30~1000



11N20SISO_Ant1_2437_1000~26500



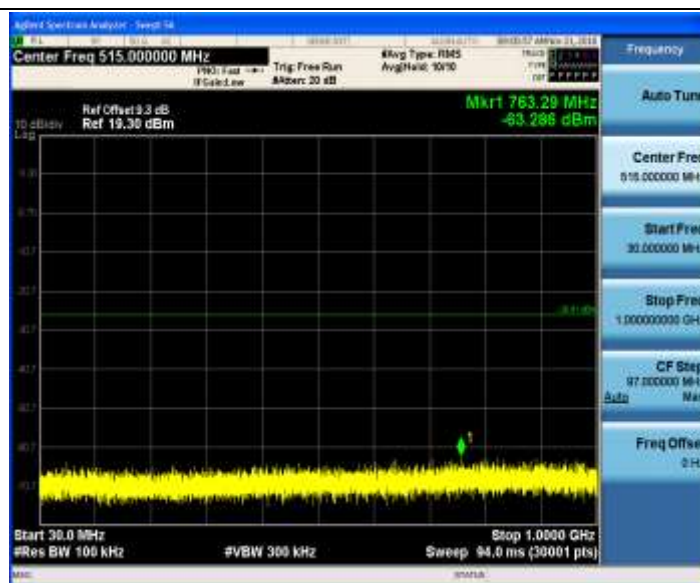
11N20SISO_Ant1_2452_0~Reference



11N20SISO_Ant1_2452_0.009~30



11N20SISO_Ant1_2452_30~1000



11N20SISO_Ant1_2452_1000~26500



11N20SISO_Ant1_2457_0~Reference



11N20SISO_Ant1_2457_0.009~30



11N20SISO_Ant1_2457_30~1000



11N20SISO_Ant1_2457_1000~26500



11N20SISO_Ant1_2462_0~Reference



11N20SISO_Ant1_2462_0.009~30



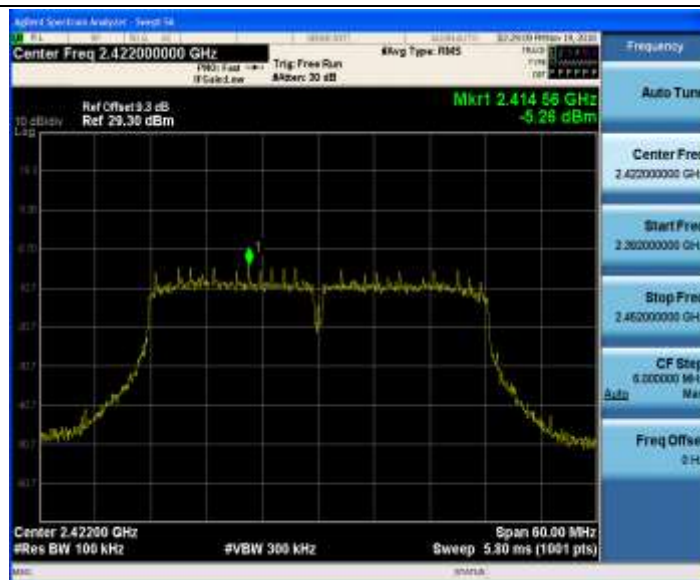
11N20SISO_Ant1_2462_30~1000



11N20SISO_Ant1_2462_1000~26500



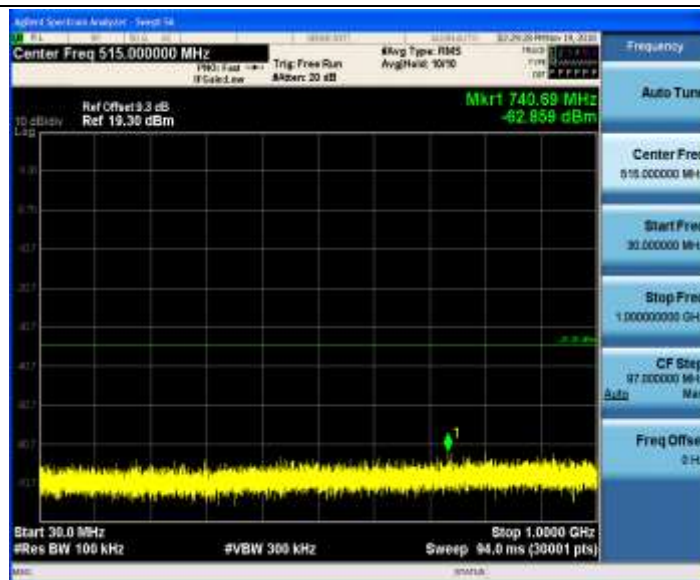
11N40SISO_Ant1_2422_0~Reference



11N40SISO_Ant1_2422_0.009~30



11N40SISO_Ant1_2422_30~1000



11N40SISO_Ant1_2422_1000~26500



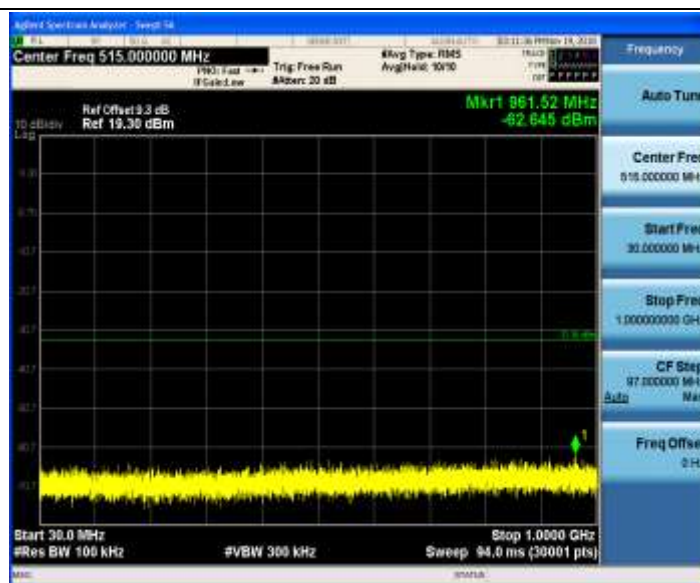
11N40SISO_Ant1_2427_0~Reference



11N40SISO_Ant1_2427_0.009~30



11N40SISO_Ant1_2427_30~1000



11N40SISO_Ant1_2427_1000~26500



11N40SISO_Ant1_2432_0~Reference



11N40SISO_Ant1_2432_0.009~30



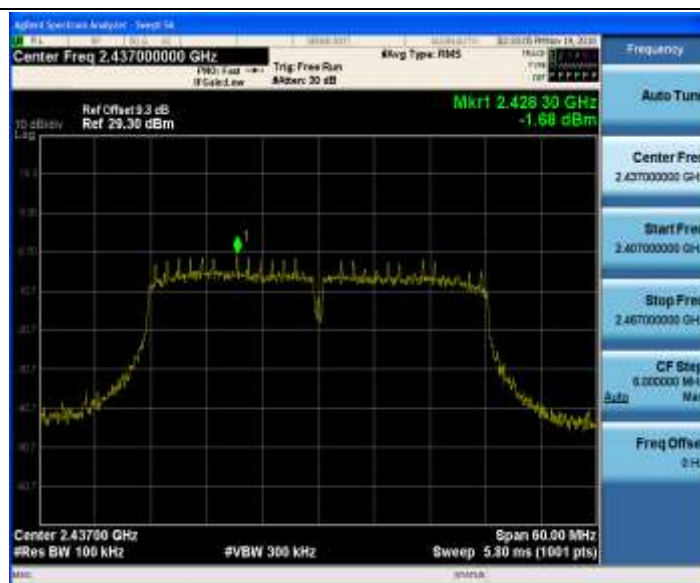
11N40SISO_Ant1_2432_30~1000



11N40SISO_Ant1_2432_1000~26500



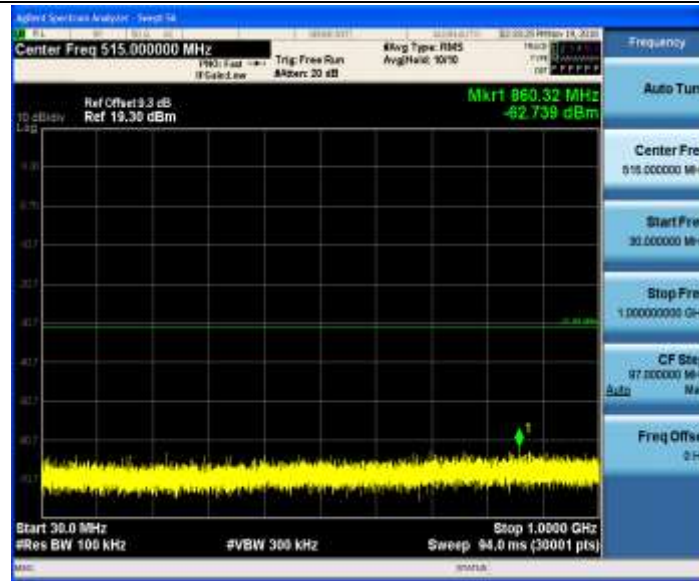
11N40SISO_Ant1_2437_0~Reference



11N40SISO_Ant1_2437_0.009~30



11N40SISO_Ant1_2437_30~1000



11N40SISO_Ant1_2437_1000~26500



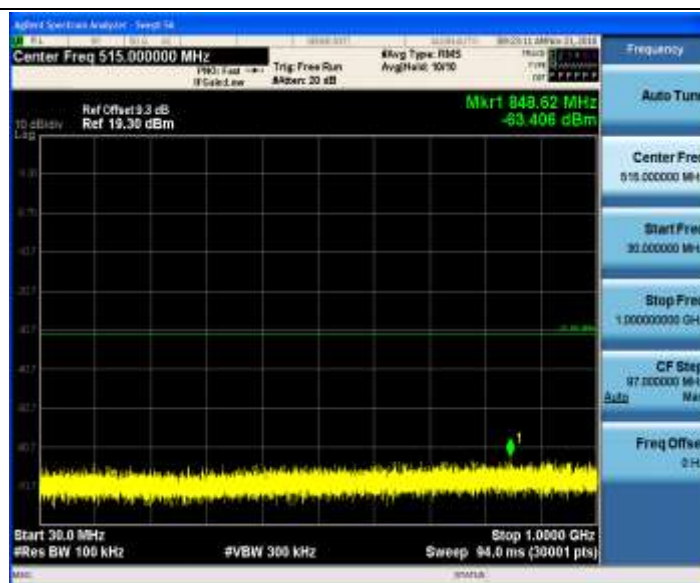
11N40SISO_Ant1_2442_0~Reference



11N40SISO_Ant1_2442_0.009~30



11N40SISO_Ant1_2442_30~1000



11N40SISO_Ant1_2442_1000~26500



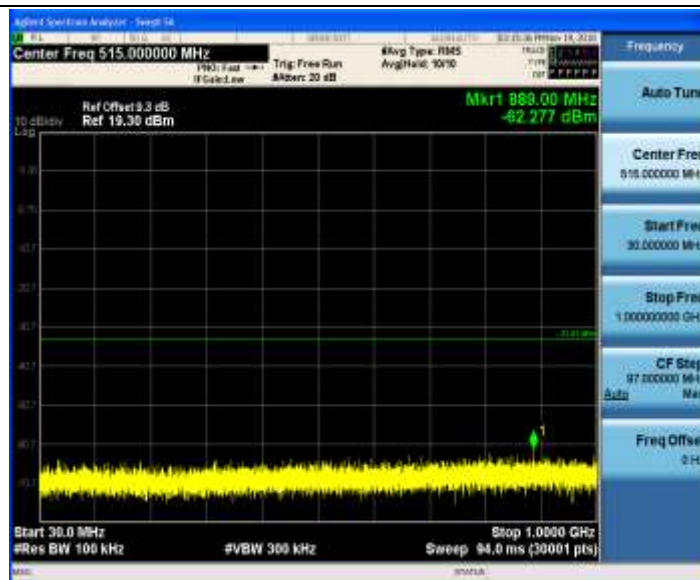
11N40SISO_Ant1_2447_0~Reference



11N40SISO_Ant1_2447_0.009~30



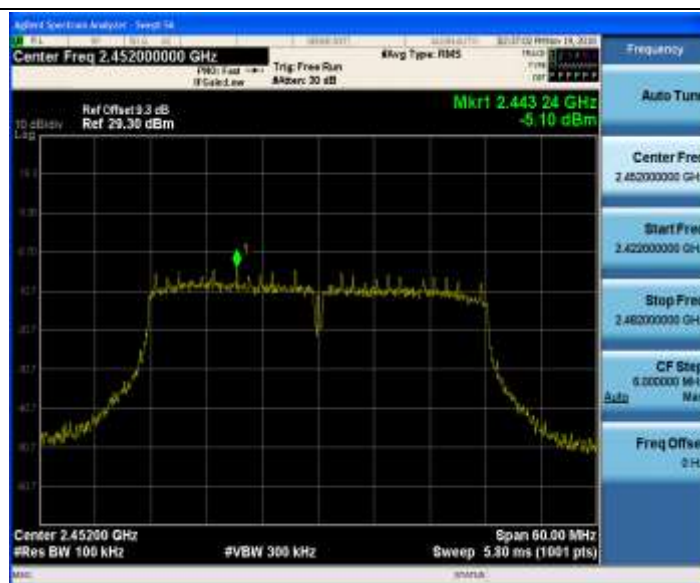
11N40SISO_Ant1_2447_30~1000



11N40SISO_Ant1_2447_1000~26500



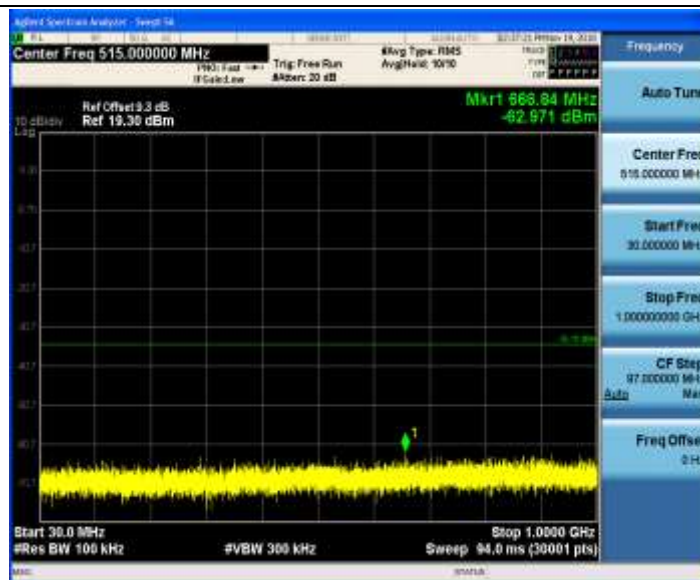
11N40SISO_Ant1_2452_0~Reference



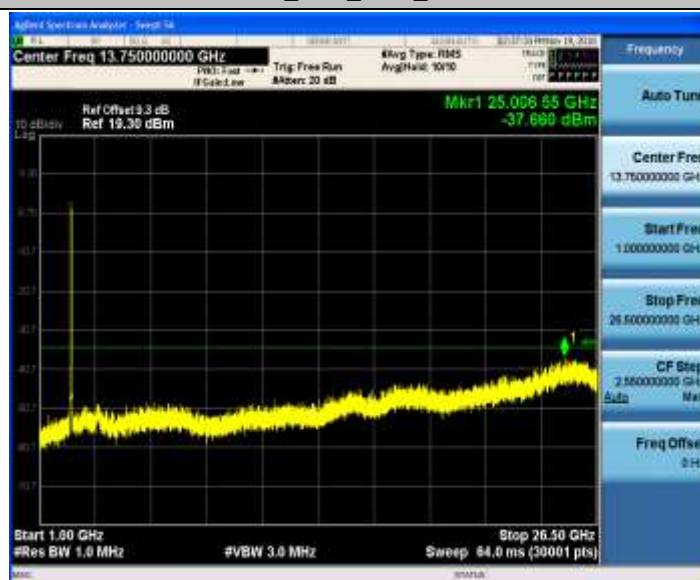
11N40SISO_Ant1_2452_0.009~30



11N40SISO_Ant1_2452_30~1000



11N40SISO_Ant1_2452_1000~26500





Appendix H: Radiated Spurious Emission & Spurious in Restricted Band

Note: We tested all modes, but the data presented below is the worst case.

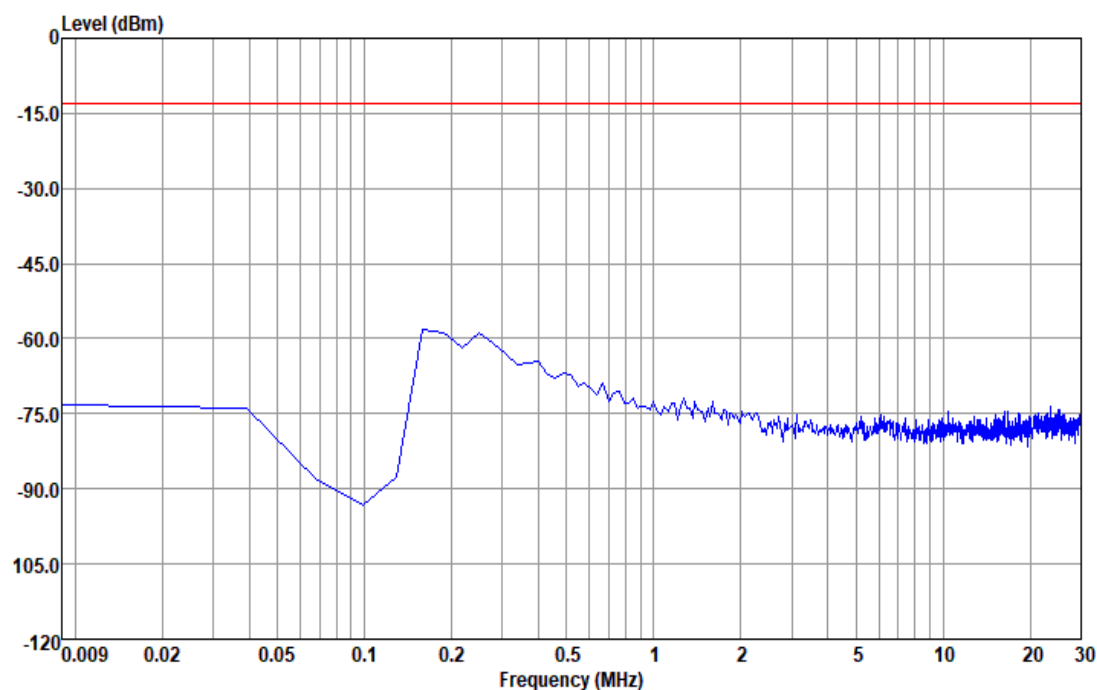
Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

Above 1GHz, RBW = 1 MHz, VBW = 3 MHz.

The simultaneous transmission has been considered

1.1 Part 1: Testing Range of “9 kHz to 30MHz”

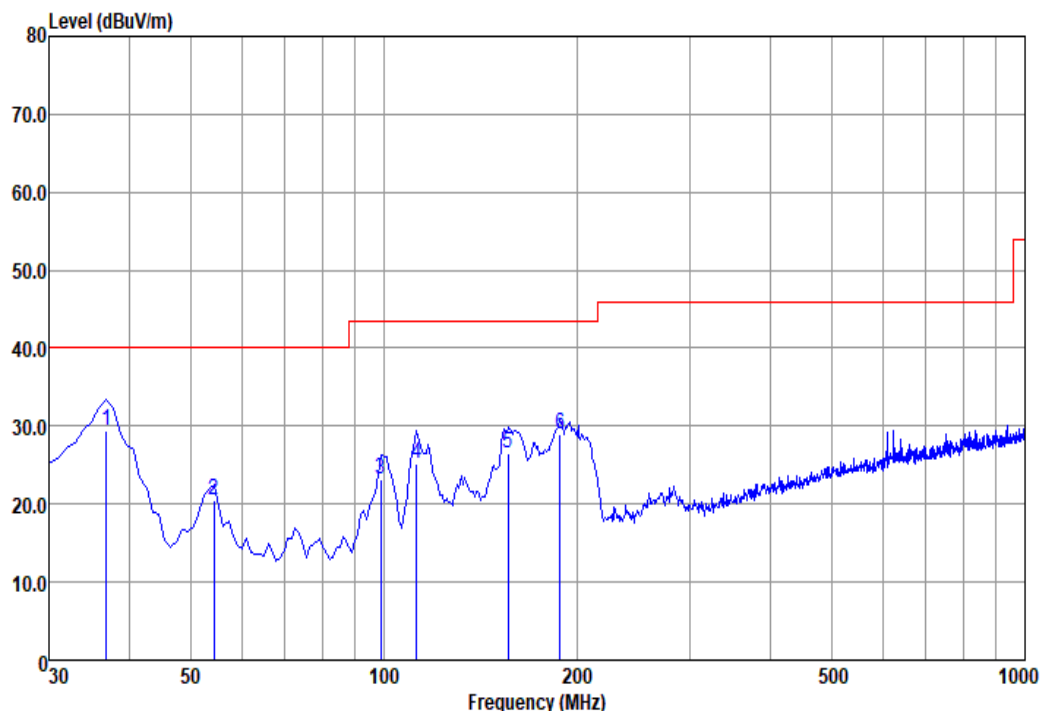
Note 1: The test results and plot for testing range of “9 kHz to 30MHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.



1.2 Part 2: Testing Range of “30 MHz to 1 GHz”

Note 1: The test results and plot for testing range of “30 MHz to 1 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The emissions in this range are mainly from the Platform Device (Notepad PC and its ancillary components).



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Cable Preamp Loss Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB
1 pp	36.85	29.46	-10.54	40.00	40.38	20.34	0.34
2	54.25	20.50	-19.50	40.00	38.18	13.42	0.50
3	98.87	23.10	-20.40	43.50	37.26	16.50	0.84
4	112.45	25.27	-18.23	43.50	38.28	17.50	0.97
5	156.10	26.53	-16.97	43.50	40.29	16.27	1.35
6	188.11	28.86	-14.64	43.50	43.21	15.36	1.54

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)
The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

1.3Part 3: Testing Range of “1 GHz to 3 GHz”

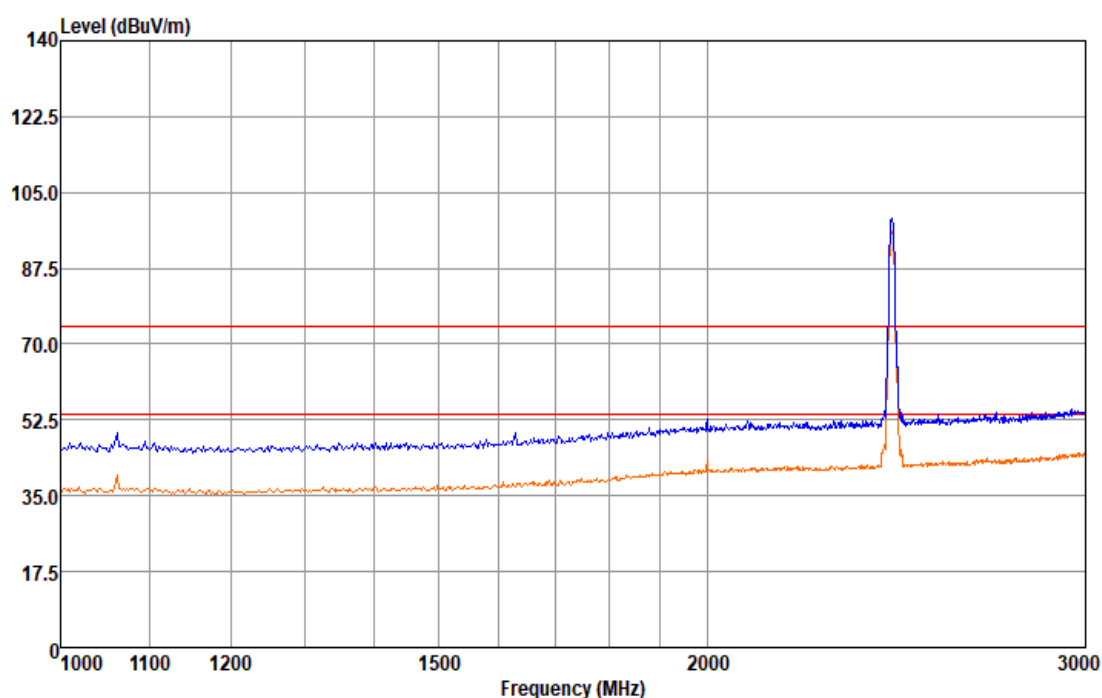
Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.

Note 2: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).

Note 3: The peak spike exceeds the limit line is EUT’s operating frequency.

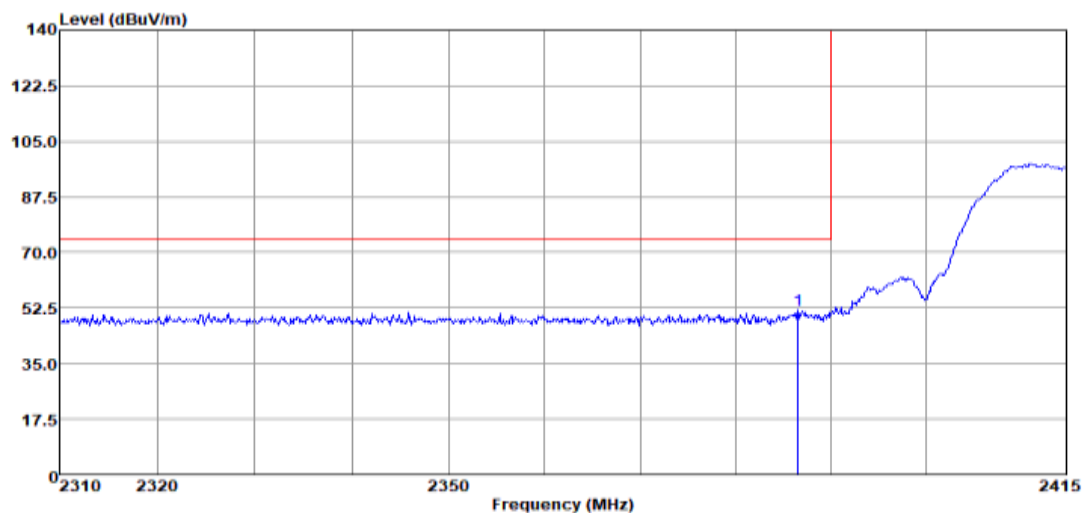
Test Mode:

1.3.1Test Mode: 11B



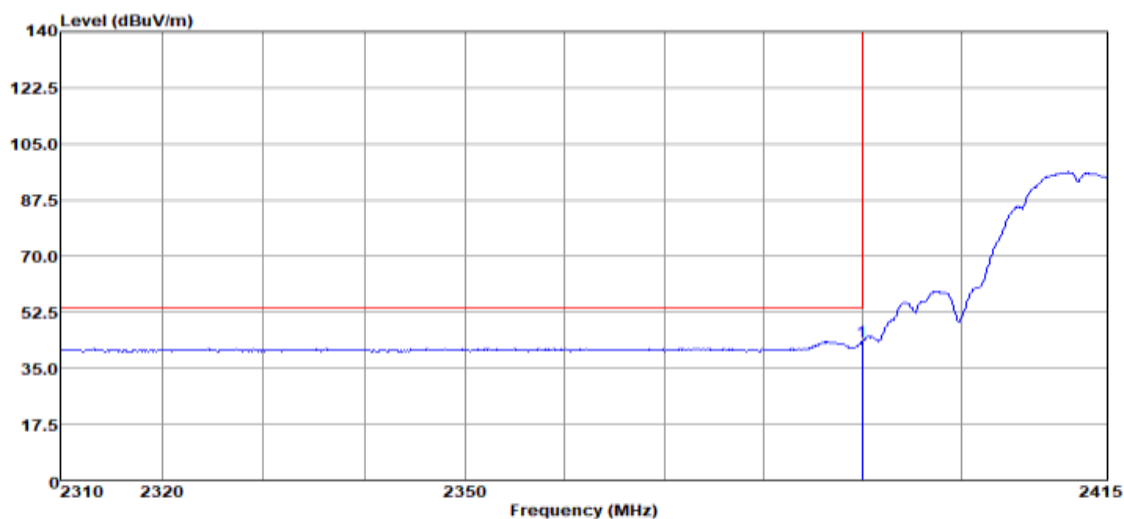
1.3.1.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2386.55	51.67	-22.33	74.00	46.36	31.50	6.81	33.00 Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2390.00	43.37	-10.63	54.00	38.06	31.50	6.81	33.00 Average

Note:

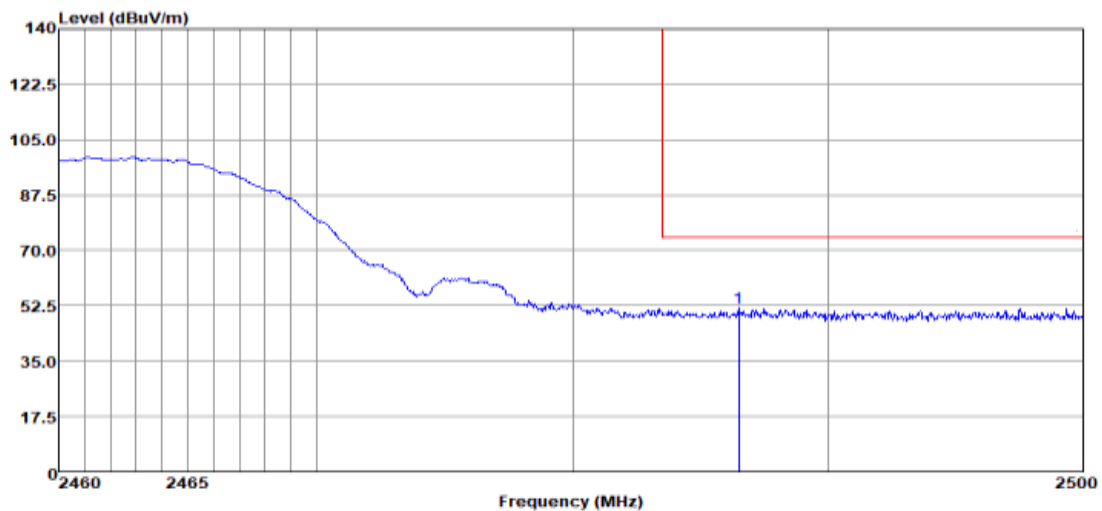
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

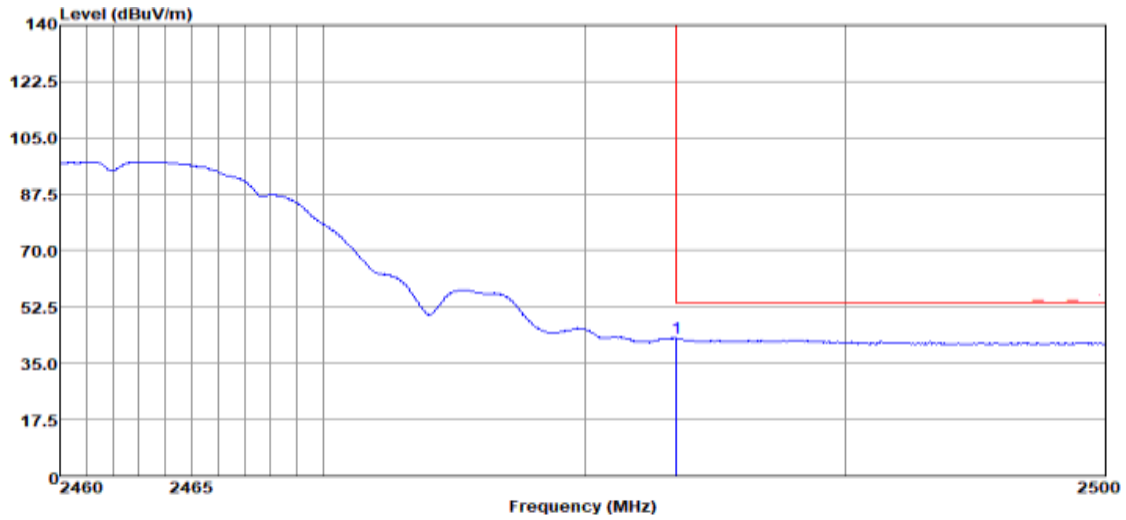
1.3.1.2 Channel 11@Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2486.48	51.69	-22.31	74.00	45.92	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV Detector

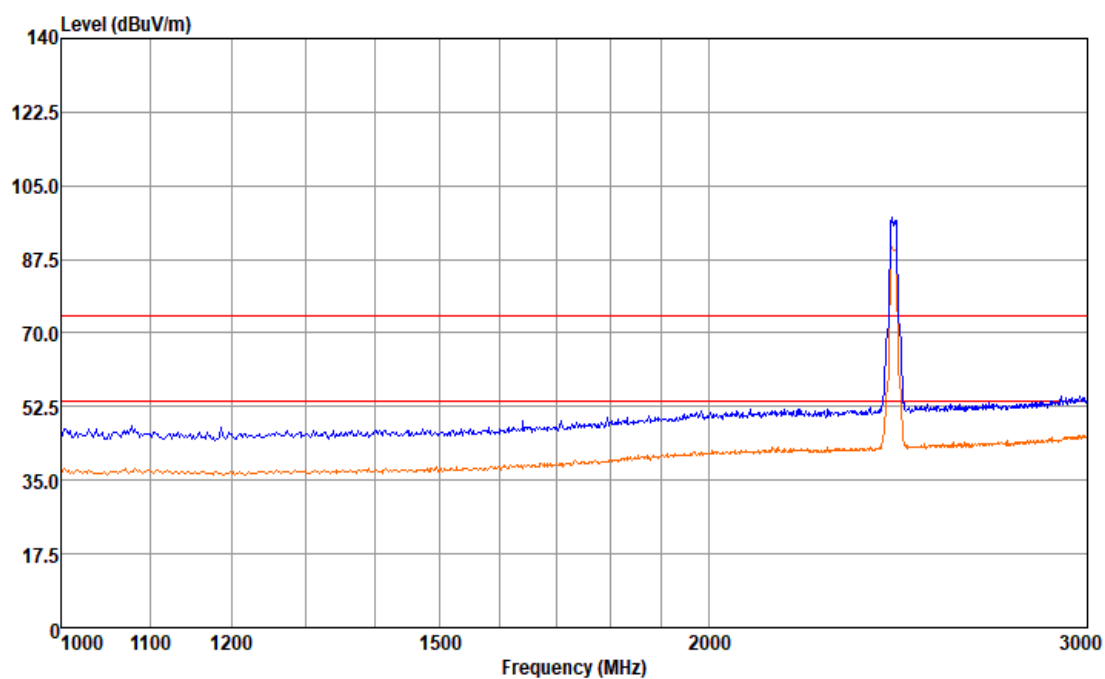


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss Factor	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2483.52	42.87	-11.13	54.00	37.10	31.86	6.91	33.00 Average

Note:

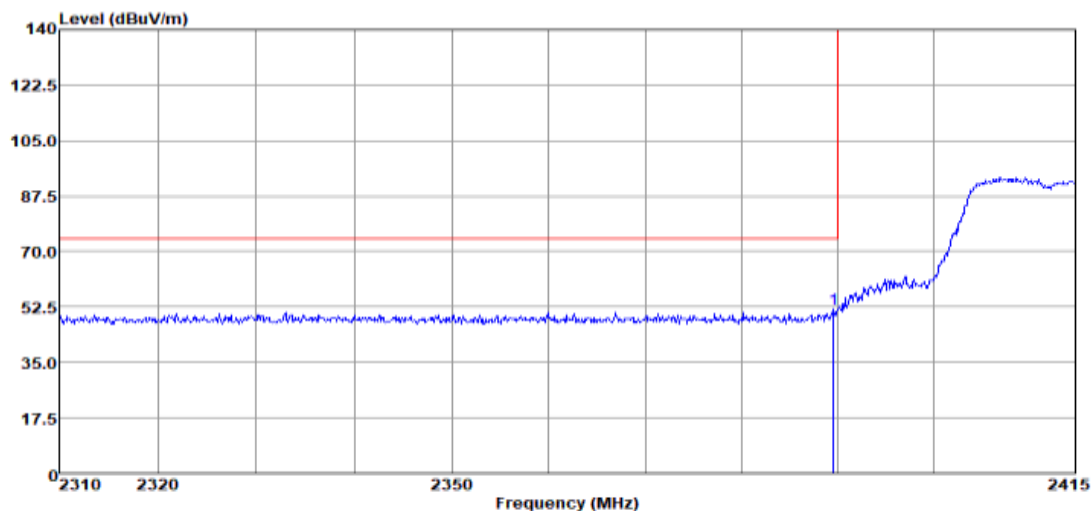
- 1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)
The reading level is calculated by software which is not shown in the sheet.
- 2, Margin = Limit - Level

1.3.2 Test Mode: 11G



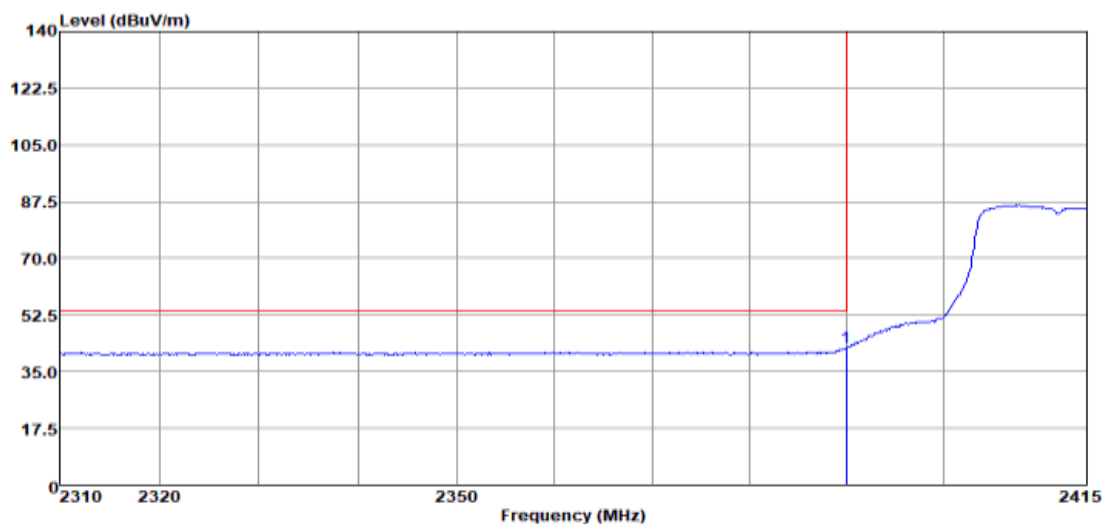
1.3.2.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2389.59	51.77	-22.23	74.00	46.46	31.50	6.81	33.00 Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2390.00	42.33	-11.67	54.00	37.02	31.50	6.81	33.00 Average

Note:

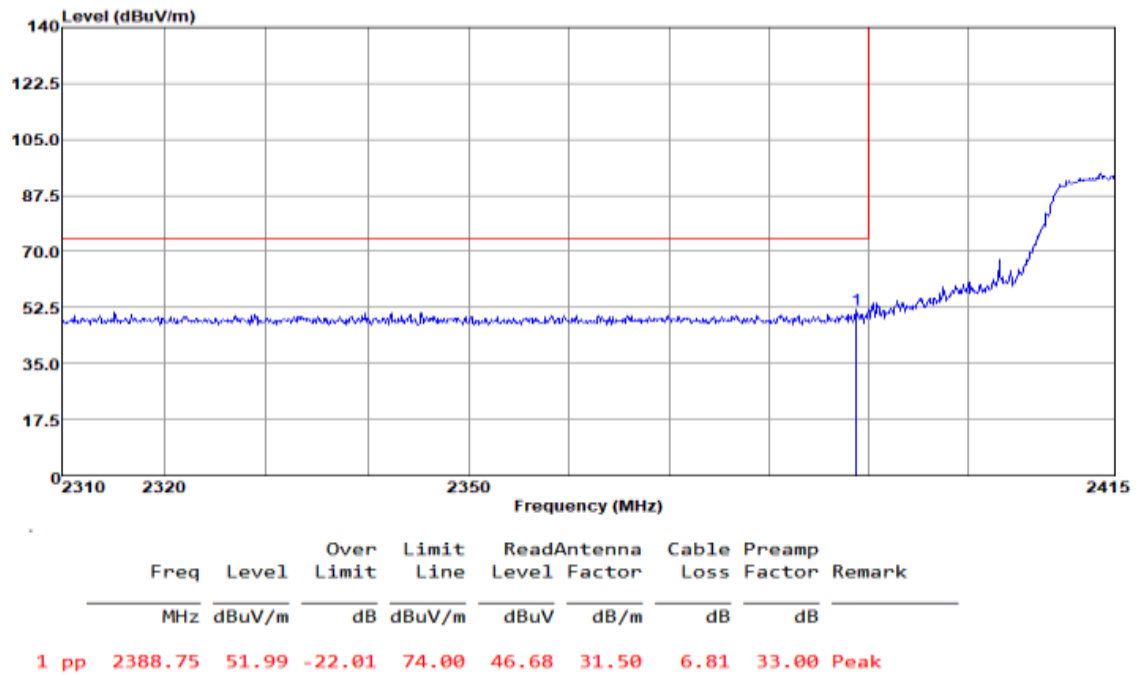
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

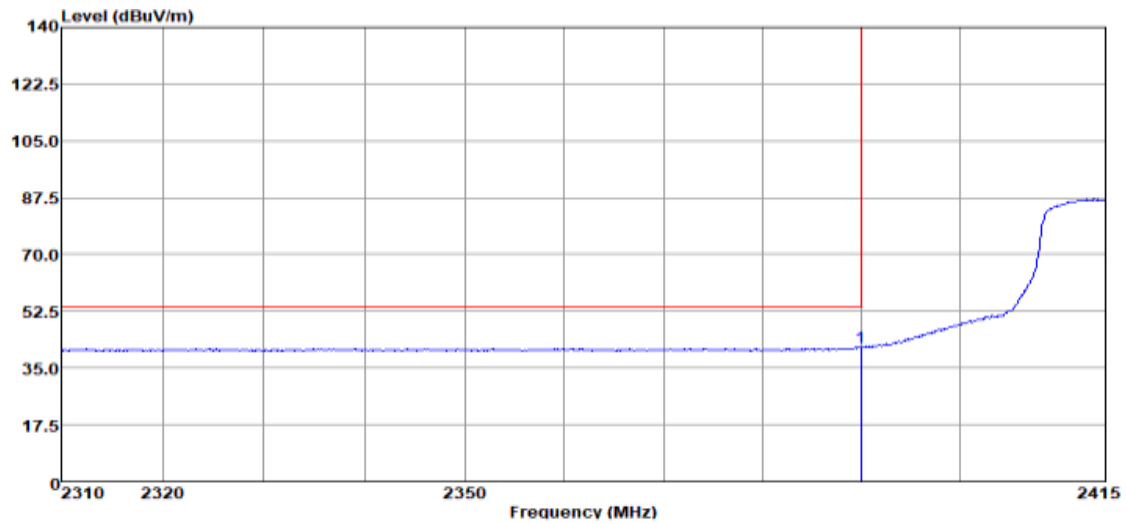
2, Margin = Limit - Level

1.3.2.2 Channel 2 @Ant 1

MEASUREMENT RESULT: PK Detector



MEASUREMENT RESULT: AV Detector



Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark	
MHz	dBuV/m	Limit	Line	Level	Factor	Loss		
		dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2390.00	41.50	-12.50	54.00	36.19	31.50	6.81	33.00 Average

Note:

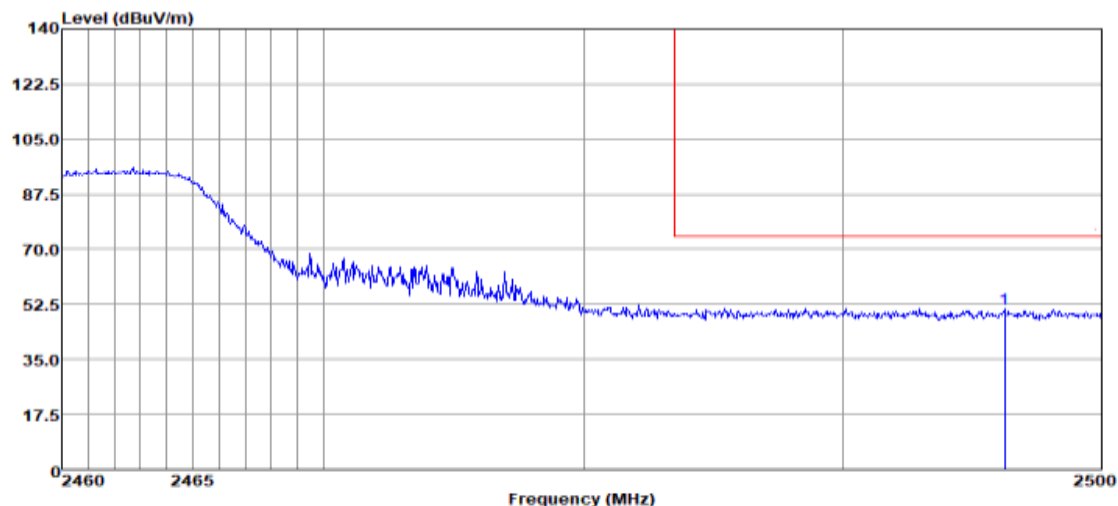
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

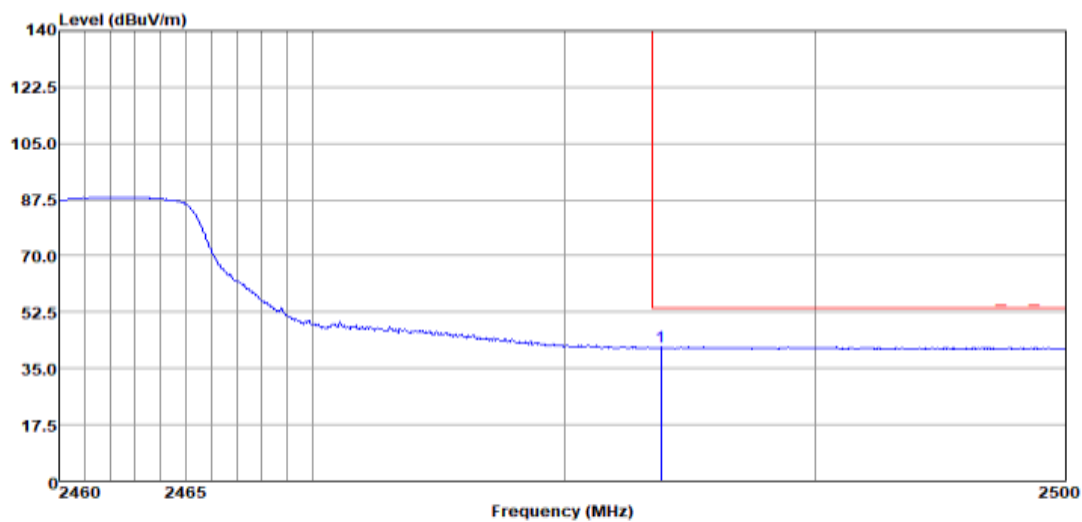
1.3.2.3 Channel 10 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 pp	2496.24	51.20	-22.80	74.00	45.36	31.93	6.91	33.00 Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 pp	2483.84	41.57	-12.43	54.00	35.80	31.86	6.91	33.00 Average

Note:

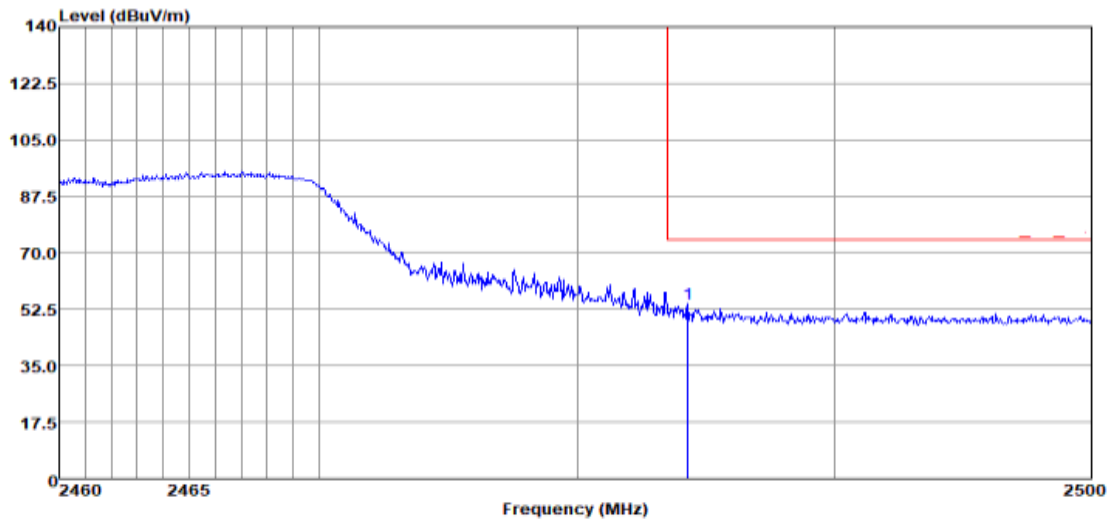
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

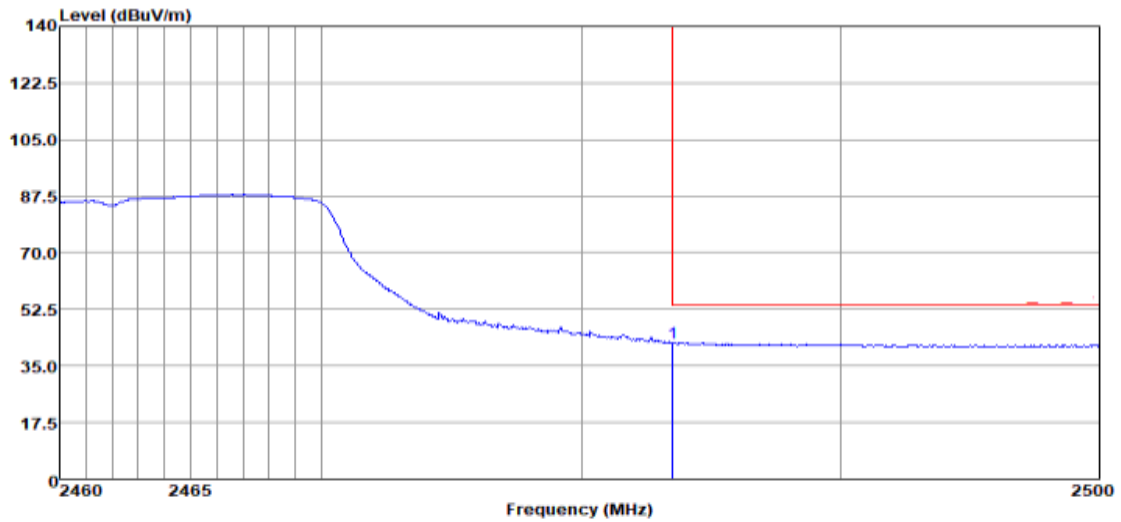
1.3.2.4 Channel 11 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2484.28	54.10	-19.90	74.00	48.33	31.86	6.91	33.00 Peak

MEASUREMENT RESULT: AV Detector

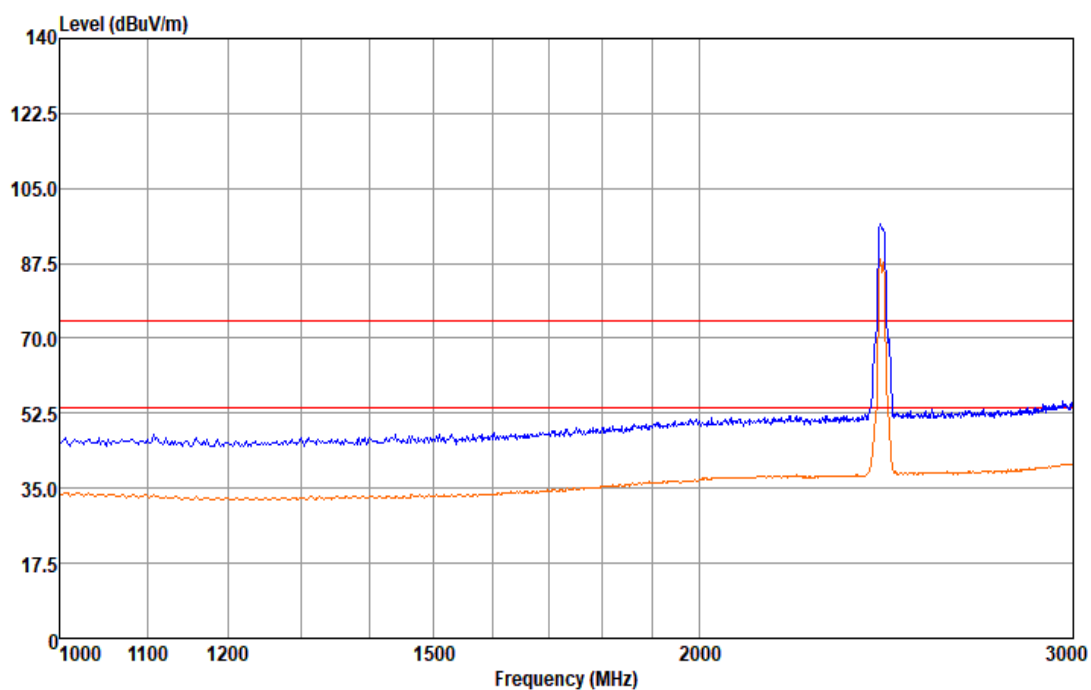


	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2483.52	42.20	-11.80	54.00	36.43	31.86	6.91	33.00
								Average

Note:

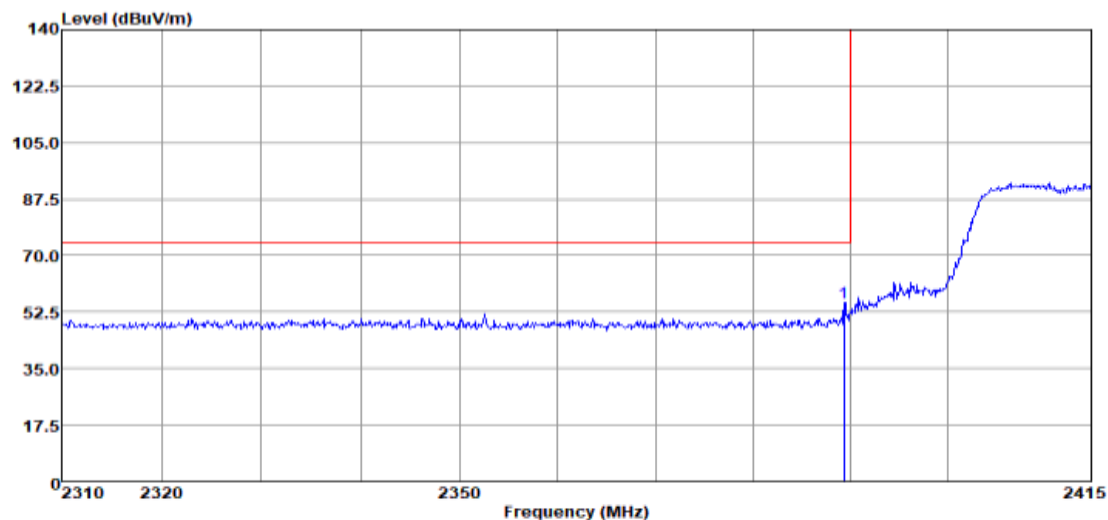
- 1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)
The reading level is calculated by software which is not shown in the sheet.
- 2, Margin = Limit - Level

1.3.3 Test Mode: 11N20



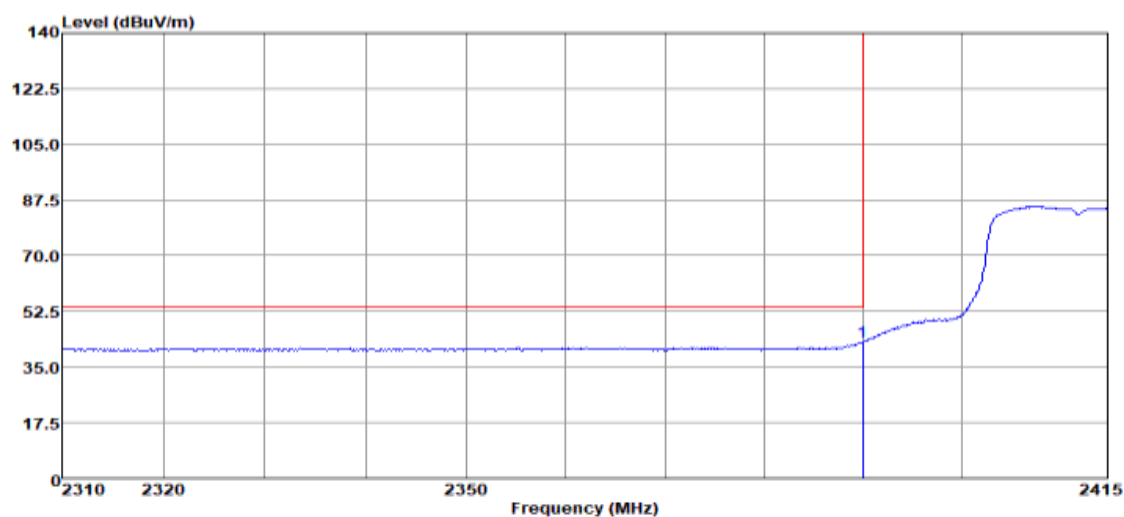
1.3.3.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 pp	2389.38	55.42	-18.58	74.00	50.11	31.50	6.81	33.00 Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 pp	2390.00	42.84	-11.16	54.00	37.53	31.50	6.81	33.00 Average

Note:

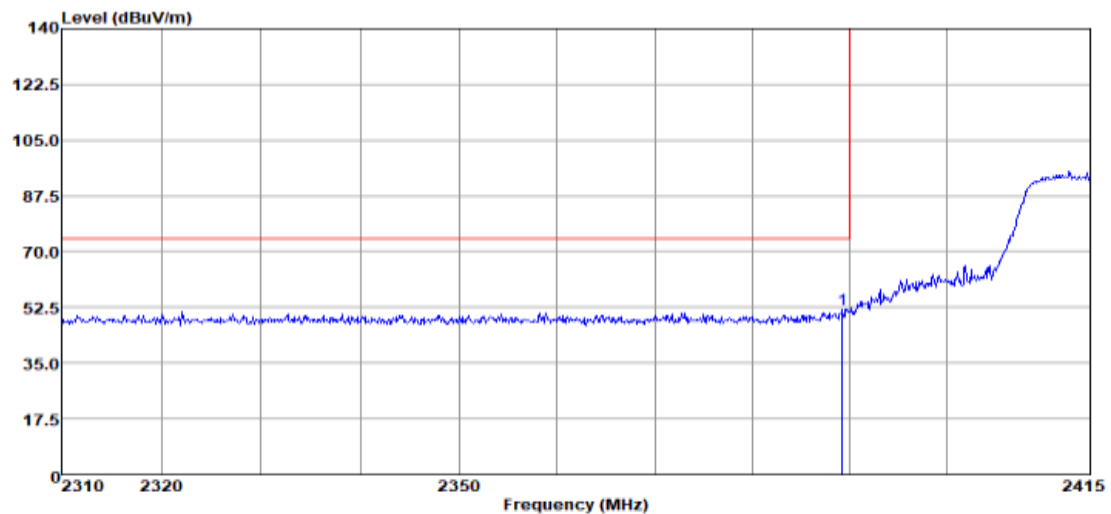
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit – Level

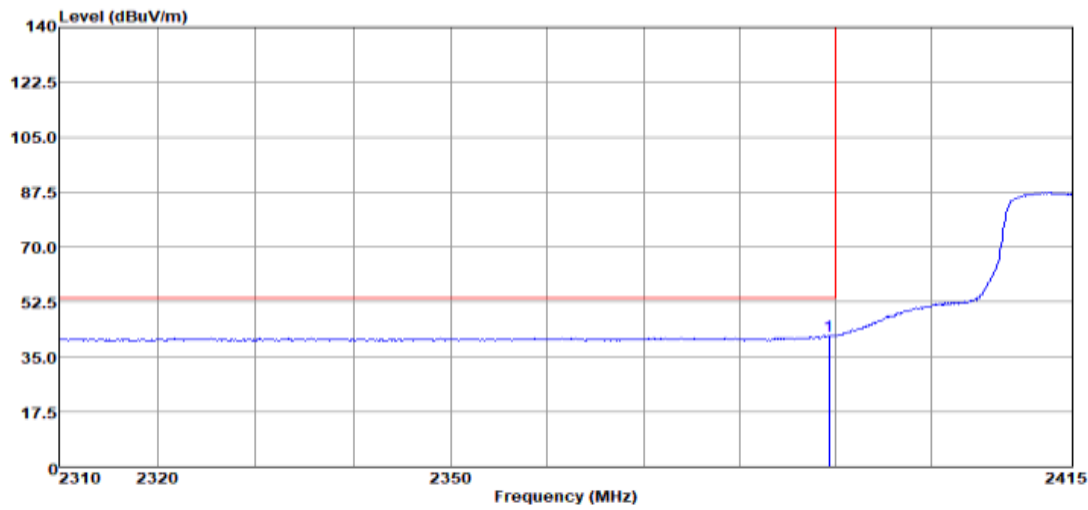
1.3.3.2 Channel 2 @ Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark	
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.28	51.94	-22.06	74.00	46.63	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.38	41.83	-12.17	54.00	36.52	31.50	6.81	33.00	Average

Note:

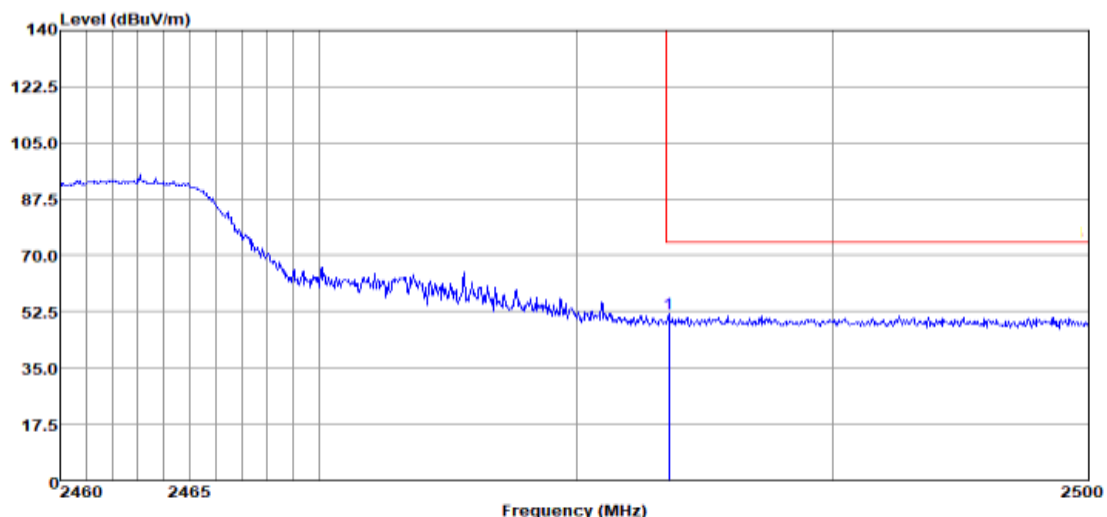
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)
The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit – Level



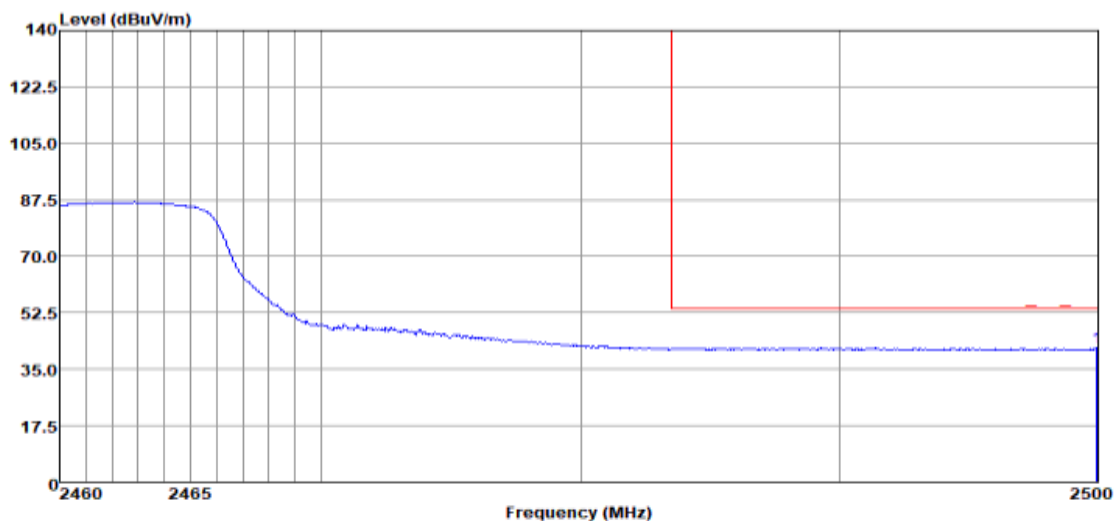
1.3.3.3 Channel 10 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 pp	2483.60	51.73	-22.27	74.00	45.96	31.86	6.91	33.00 Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB	dB	
1 pp	2499.96	41.59	-12.41	54.00	35.75	31.93	6.91	33.00 Average

Note:

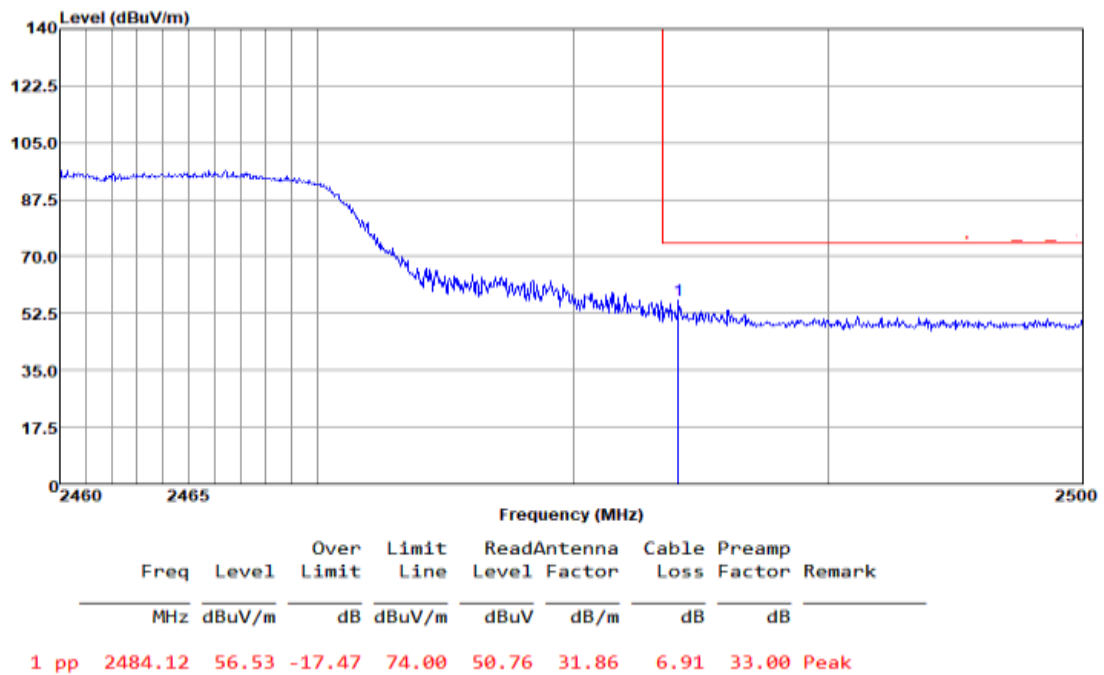
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

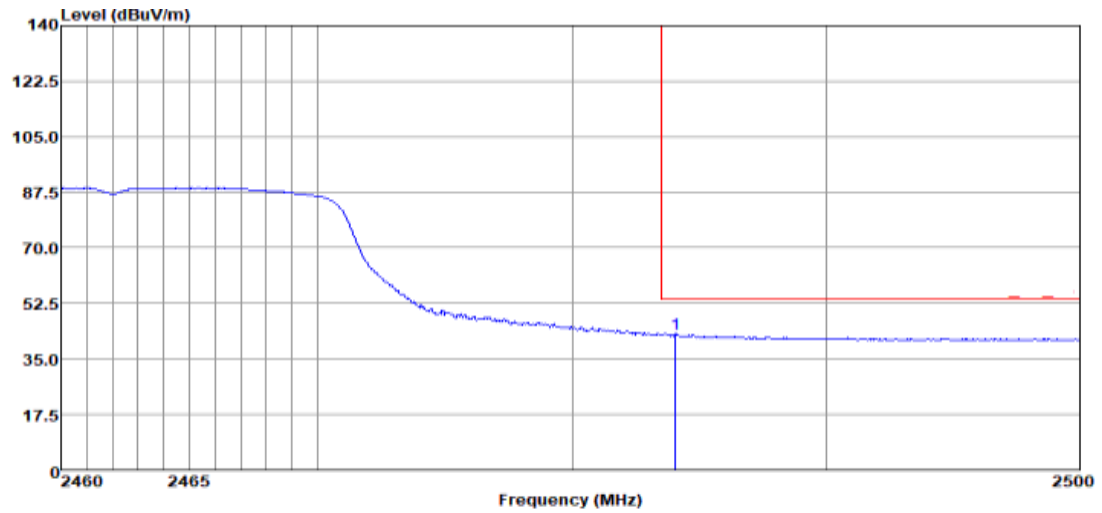
2, Margin = Limit – Level

1.3.3.4 Channel 11 @Ant 1

MEASUREMENT RESULT: PK Detector



MEASUREMENT RESULT: AV Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2484.04	42.95	-11.05	54.00	37.18	31.86	6.91	33.00
								Average

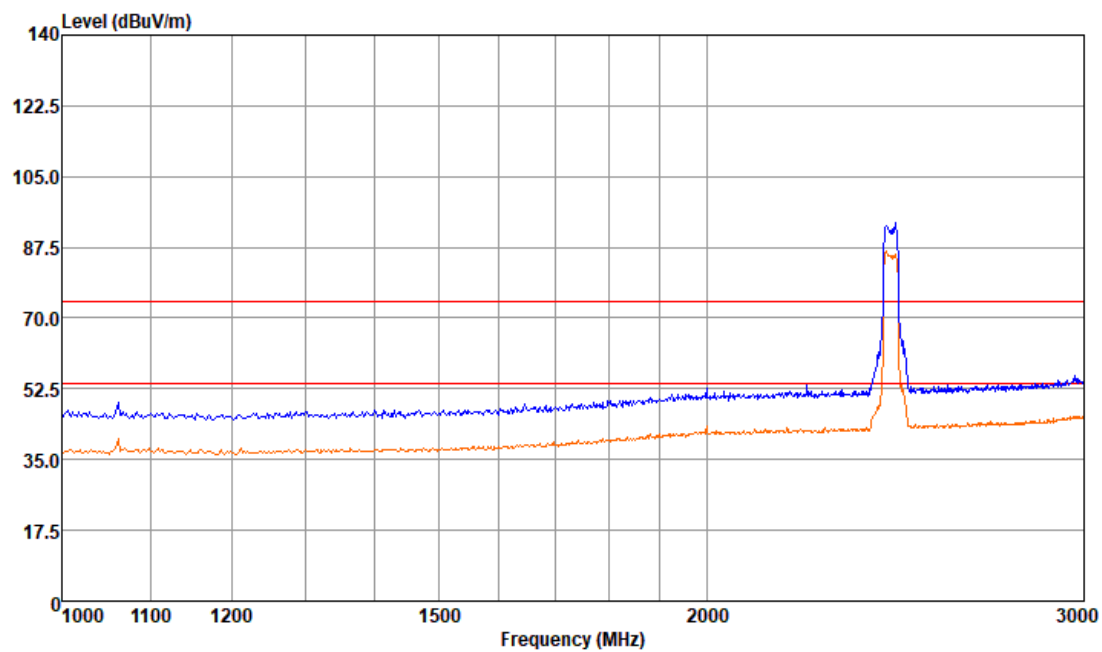
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

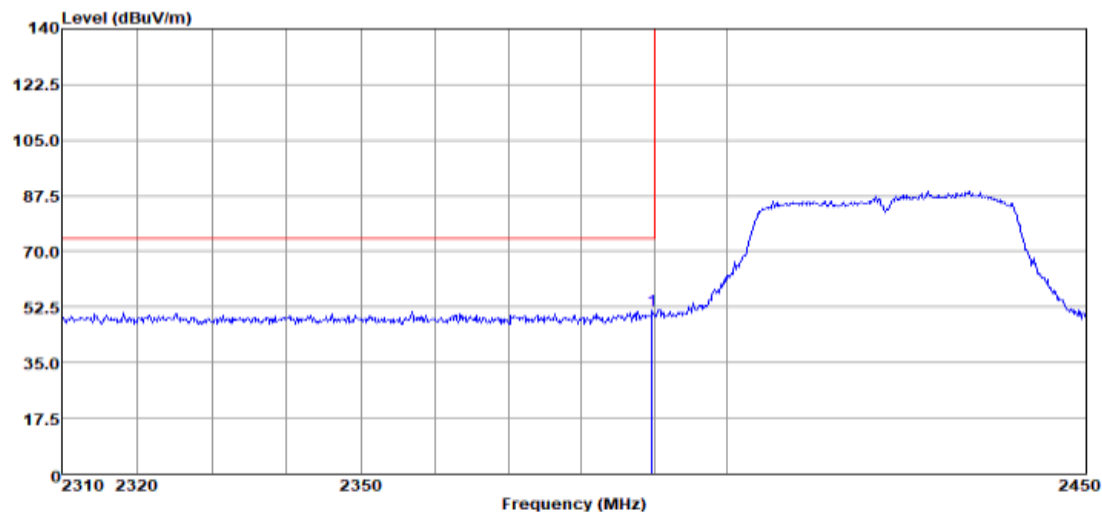
1.3.4 Test Mode: 11N40





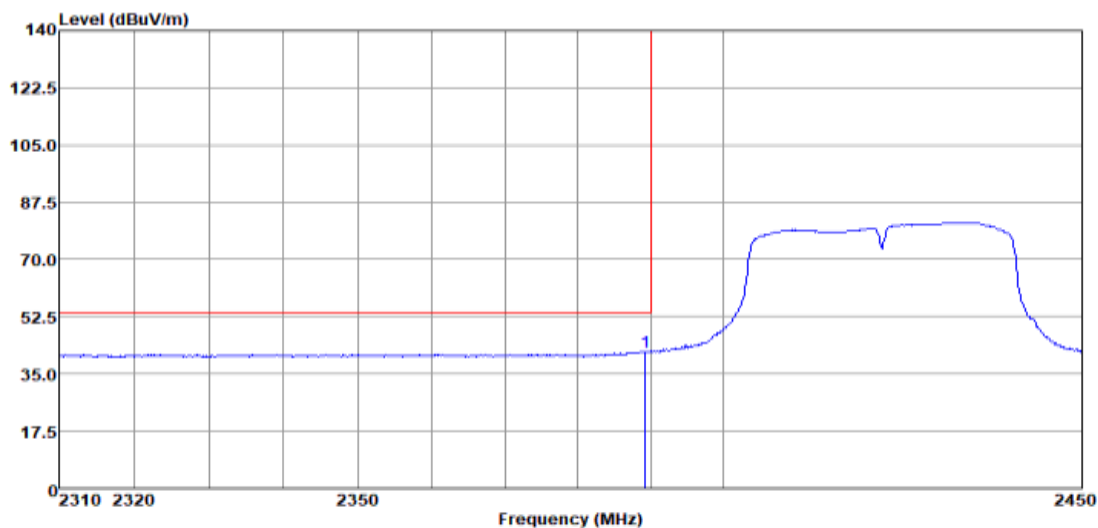
1.3.4.1 Channel 3 @Ant 1

MEASUREMENT RESULT: PK Detector



Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark
MHz	dBuV/m	Limit	Line	Level	Loss	Factor	
		dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2389.66	51.42	-22.58	74.00	46.11	31.50	6.81 33.00 Peak

MEASUREMENT RESULT: AV Detector



Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	Remark
MHz	dBuV/m	Limit	Line	Level	Loss	Factor	
		dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2389.24	41.90	-12.10	54.00	36.59	31.50	6.81 33.00 Average

Note:

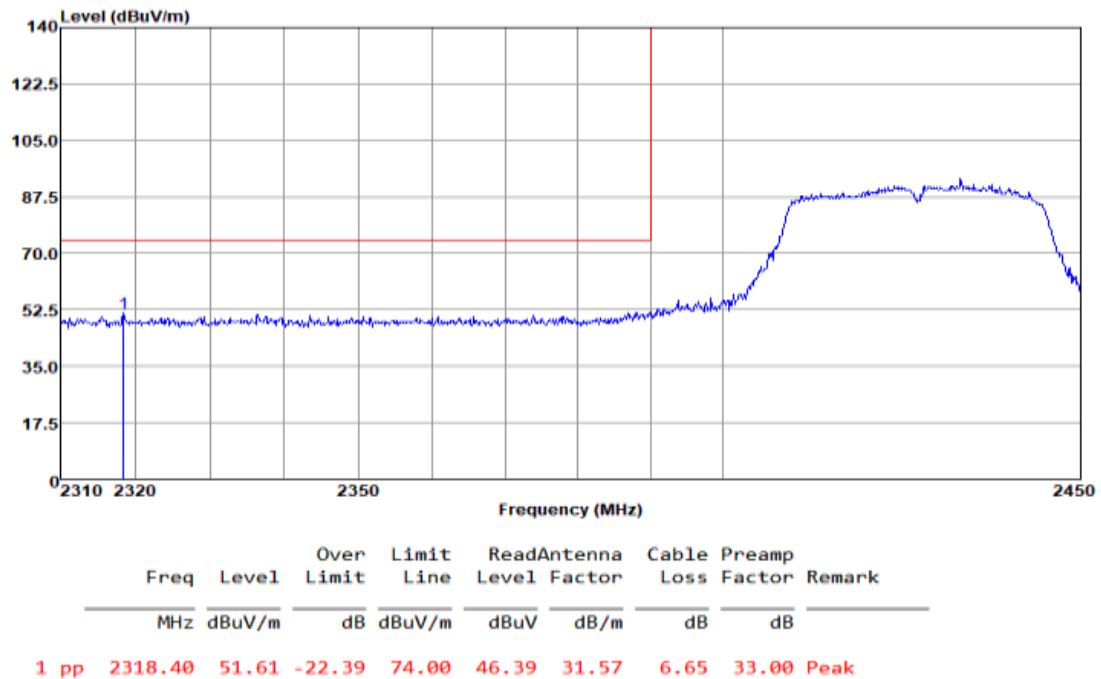
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

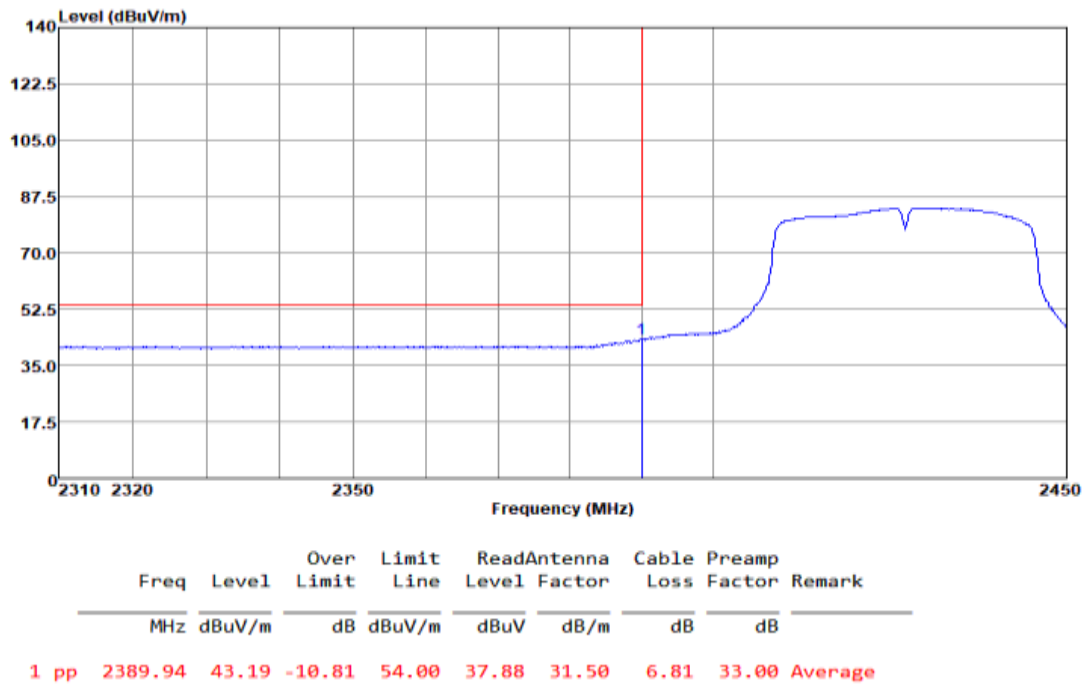
2, Margin=Limit – Level

1.3.4.2 Channel 4 @Ant 1

MEASUREMENT RESULT: PK Detector



MEASUREMENT RESULT: AV Detector



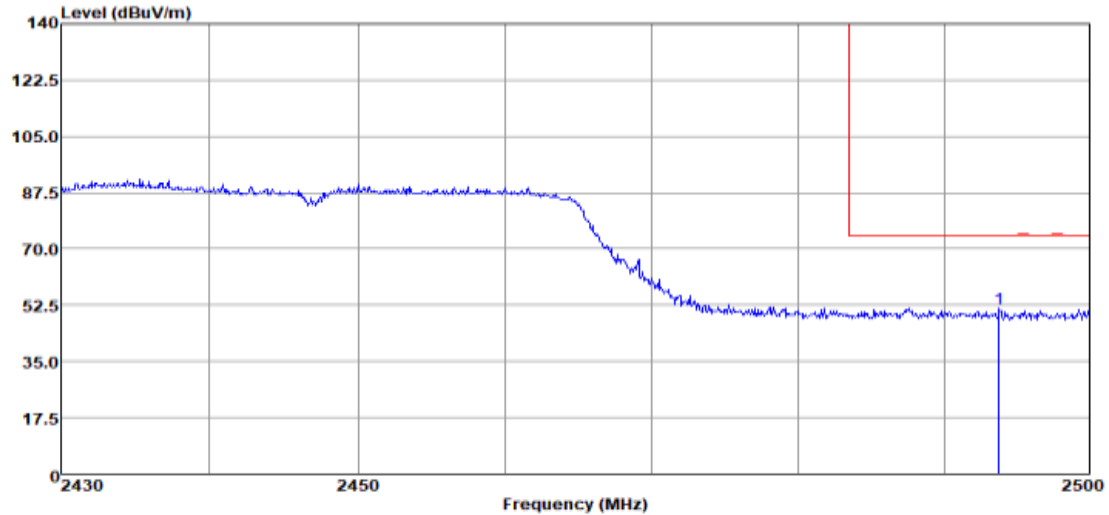
Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)
The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit – Level

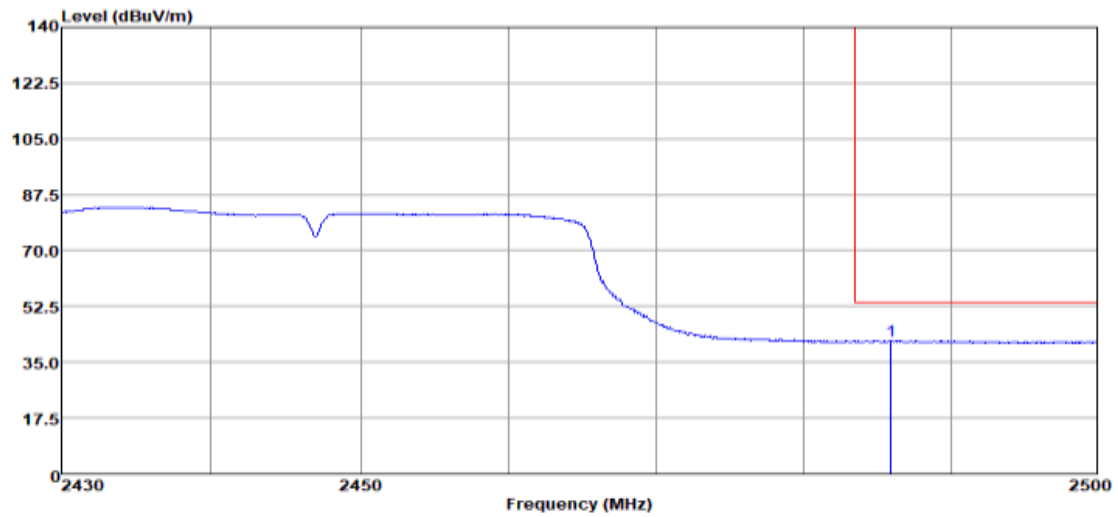
1.3.4.3 Channel 8@Ant 1

MEASUREMENT RESULT: PK Detector



Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Remark
1 pp	2493.77	51.44	-22.56	74.00	45.60	31.93	6.91	33.00 Peak

MEASUREMENT RESULT: AV Detector



Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp		
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	Remark
1 pp	2485.93	41.79	-12.21	54.00	36.02	31.86	6.91	33.00 Average

Note:

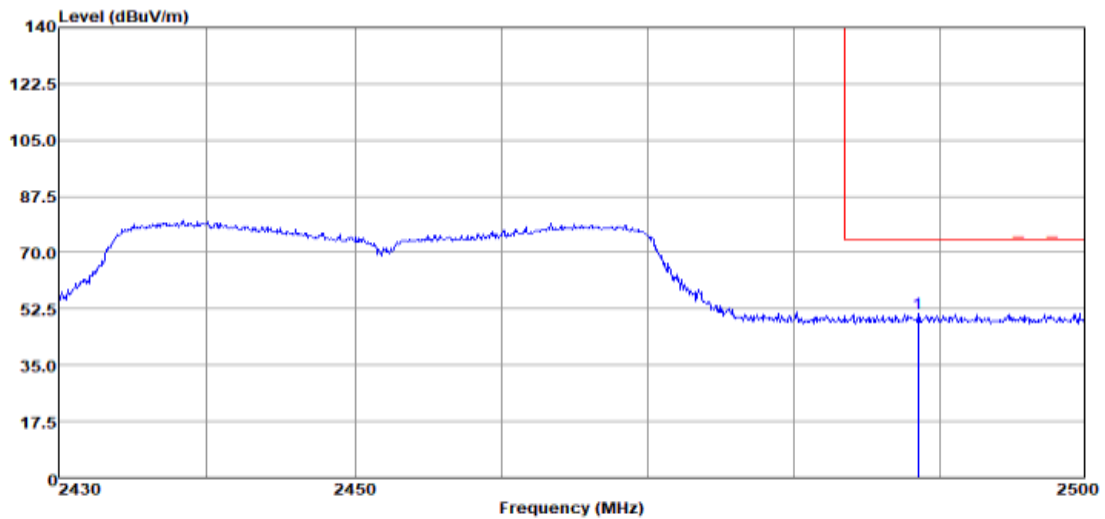
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

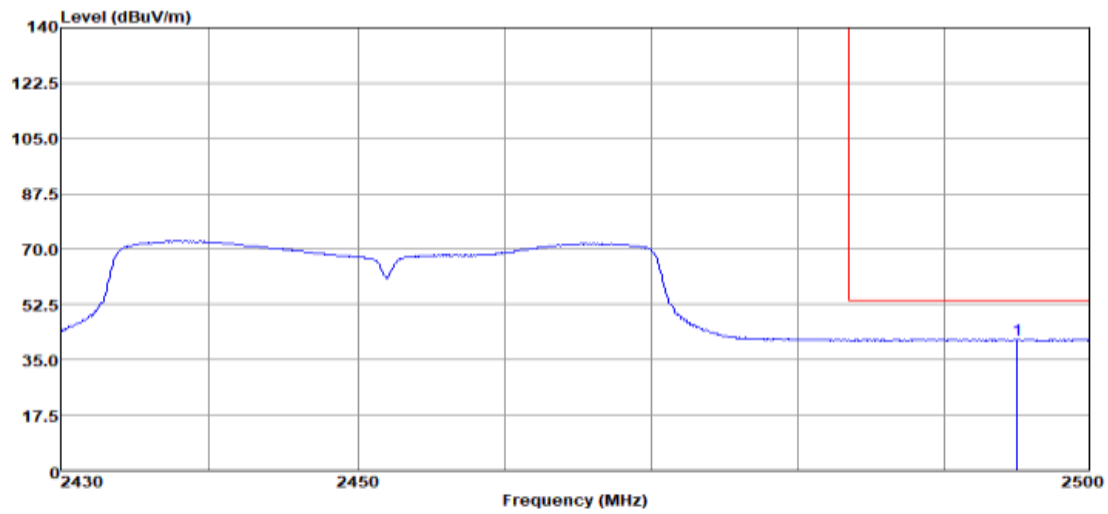
1.3.4.4 Channel 9@Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over	Limit	ReadAntenna	Cable	Preamp	
	MHz	dBuV/m	Limit	Line	Level	Loss	Factor	Remark
			dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2488.52	51.12	-22.88	74.00	45.28	31.93	6.91	33.00 Peak

MEASUREMENT RESULT: AV Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB
1 pp	2495.03	41.53	-12.47	54.00	35.69	31.93	6.91	33.00
								Average

Note:

1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin=Limit - Level

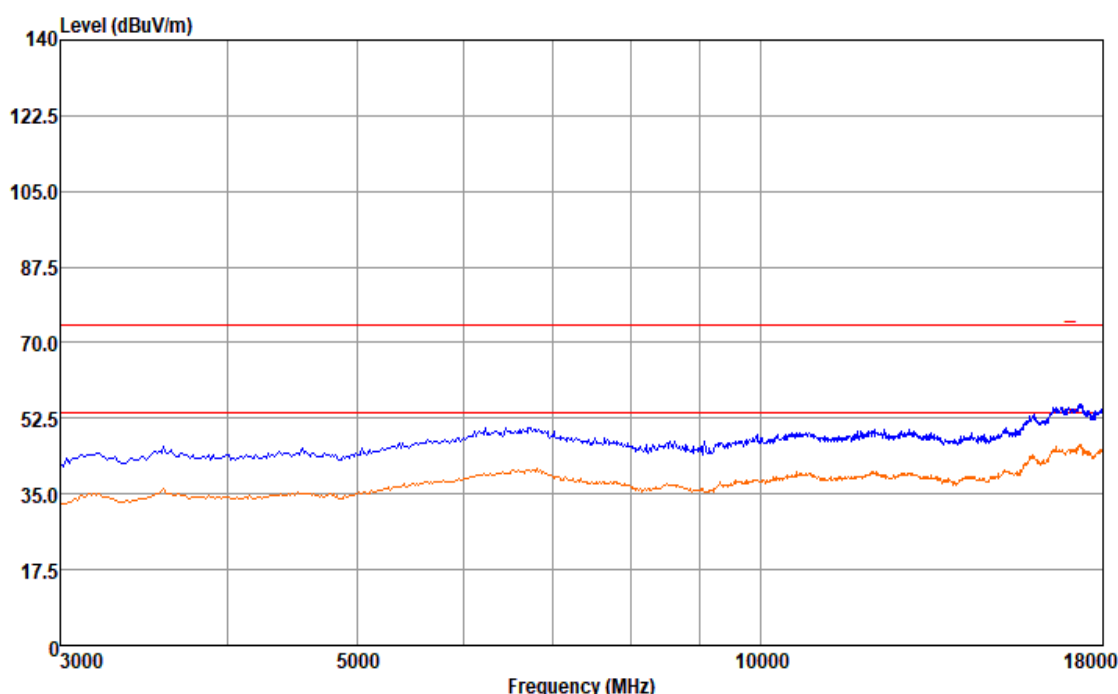
1.4 Part 4: Testing Range of “3 GHz to 18 GHz”

Note 1: The test results and plot for testing range of “3 GHz to 18 GHz” showed as below is the worst case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.

Note 2: The testing range of “3 GHz to 18 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).

Mode: 11B Channel 6@Ant 1



Note:

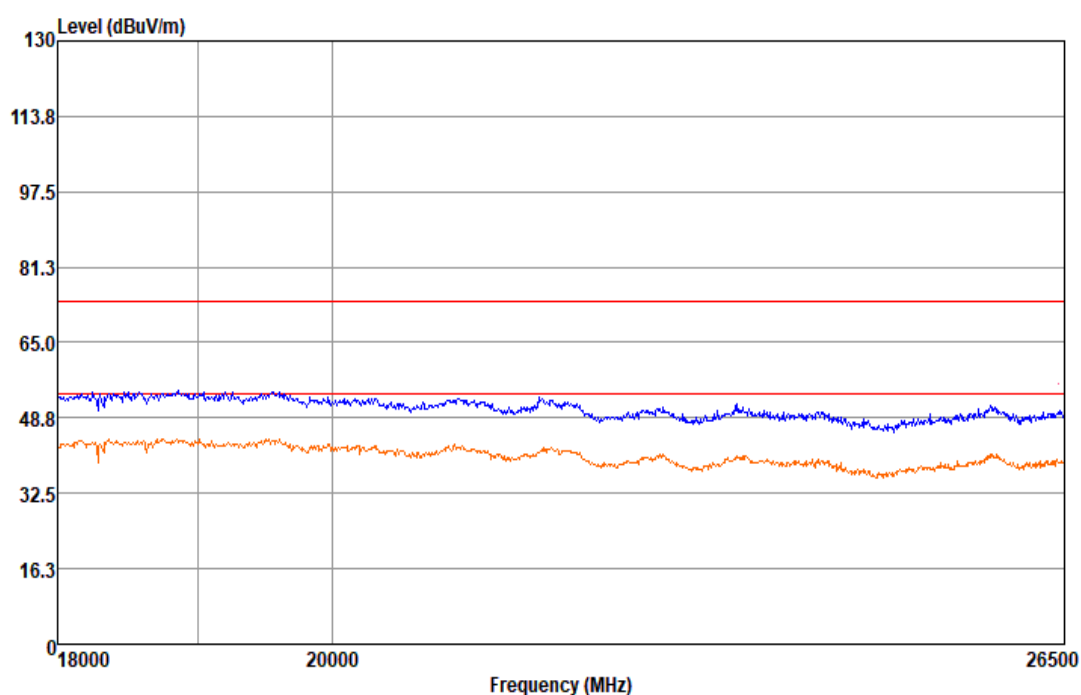
1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

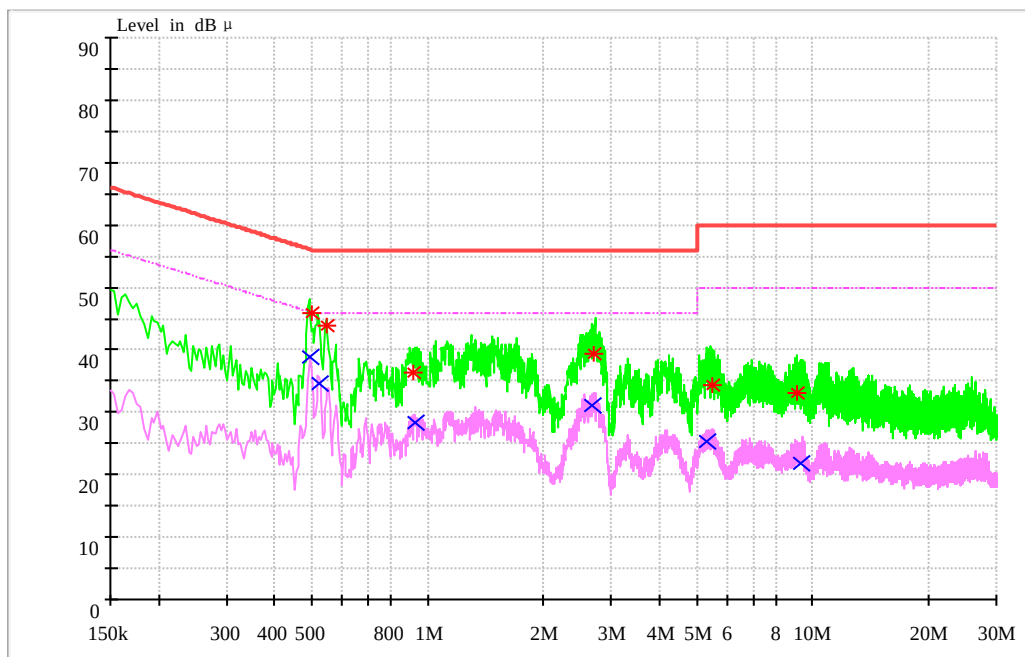
1.5 Part 5: Testing Range of “18 GHz to 26.5 GHz”

- Note 1: The test results and plot for testing range of “18 GHz to 26.5 GHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.
- Note 2: The testing range of “18 GHz to 26.5 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.
- Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 dB μ V/m) and Average Limit (54 dB μ V/m).



Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz



MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dB μ V)	Limit (dB μ V)	Transd. (dB)	Margin (dB)	Line	PE
0.497294	45.83	56.07	9.7	10.24	N	FLO
0.5456	43.68	56	9.7	12.32	N	FLO
0.92229	36.3	56	9.8	19.7	N	FLO
2.695196	39.39	56	9.9	16.61	N	FLO
5.470762	34.35	60	10.2	25.65	N	FLO
9.106083	33.08	60	10.5	26.92	N	FLO

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB μ V)	Limit (dB μ V)	Transd. (dB)	Margin (dB)	Line	PE
0.495447	38.92	46.14	9.7	7.22	L1	FLO
0.5232	34.67	46	9.7	11.33	N	FLO
0.925089	28.23	46	9.8	17.77	L1	FLO



2.679587	31.09	46	9.9	14.91	L1	FLO
5.31627	25.29	50	10.1	24.71	L1	FLO
9.362339	21.91	50	10.6	28.09	N	FLO

Note:

1, Level = Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

The reading level is calculated by software which is not shown in the sheet.

2, Margin = Limit - Level

END