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	8.160	2408.440	2416.600	---	PASS
		2437	8.080	2432.480	2440.560	---	PASS
		2462	7.680	2458.920	2466.600	---	PASS
11G	Ant1	2412	15.640	2404.560	2420.200	---	PASS
		2417	14.800	2409.480	2424.280	---	PASS
		2437	15.800	2428.800	2444.600	---	PASS
		2457	15.760	2449.480	2465.240	---	PASS
		2462	15.520	2454.440	2469.960	---	PASS
11N20SISO	Ant1	2412	16.320	2404.520	2420.840	---	PASS
		2417	15.960	2409.440	2425.400	---	PASS
		2437	17.680	2428.120	2445.800	---	PASS
		2457	15.240	2450.680	2465.920	---	PASS
		2462	16.040	2454.440	2470.480	---	PASS
11N40SISO	Ant1	2422	31.280	2404.480	2435.760	---	PASS
		2427	29.320	2409.360	2438.680	---	PASS
		2437	35.840	2418.760	2454.600	---	PASS
		2447	32.080	2433.160	2465.240	---	PASS
		2452	35.280	2434.560	2469.840	---	PASS

Test Graphs

11B_Ant1_2412
11B_Ant1_2437
11B_Ant1_2462

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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

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11N40SISO_Ant1_2422

11N40SISO_Ant1_2427

11N40SISO_Ant1_2437

11N40SISO_Ant1_2447

11N40SISO_Ant1_2452

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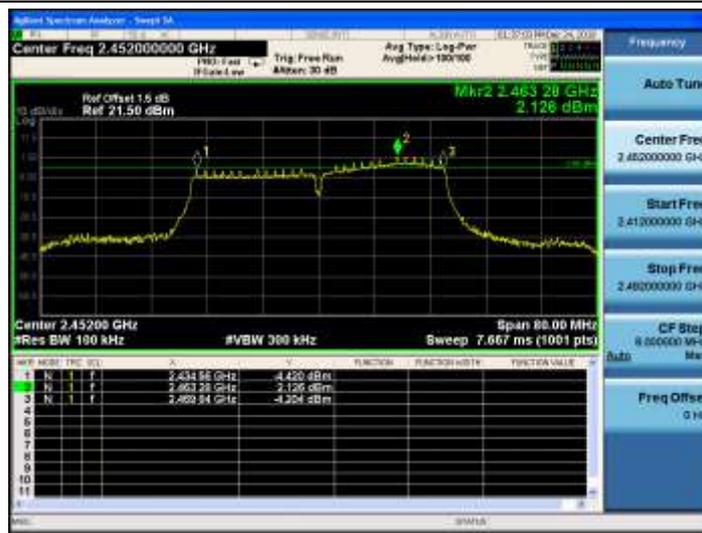
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.808	2406.045	2418.853	---	PASS
		2437	13.462	2430.045	2443.507	---	PASS
		2462	12.557	2456.096	2468.653	---	PASS
11G	Ant1	2412	17.113	2403.713	2420.826	---	PASS
		2417	16.824	2408.752	2425.576	---	PASS
		2437	17.354	2428.119	2445.473	---	PASS
		2457	17.212	2448.828	2466.040	---	PASS
		2462	16.631	2453.862	2470.493	---	PASS
11N20SISO	Ant1	2412	18.097	2403.211	2421.308	---	PASS
		2417	17.778	2408.217	2425.995	---	PASS
		2437	18.284	2427.684	2445.968	---	PASS
		2457	18.181	2448.274	2466.455	---	PASS
		2462	17.725	2453.314	2471.039	---	PASS
11N40SISO	Ant1	2422	35.783	2404.104	2439.887	---	PASS
		2427	35.949	2408.966	2444.915	---	PASS
		2437	37.052	2418.331	2455.383	---	PASS
		2447	37.148	2428.683	2465.831	---	PASS
		2452	36.468	2434.016	2470.484	---	PASS
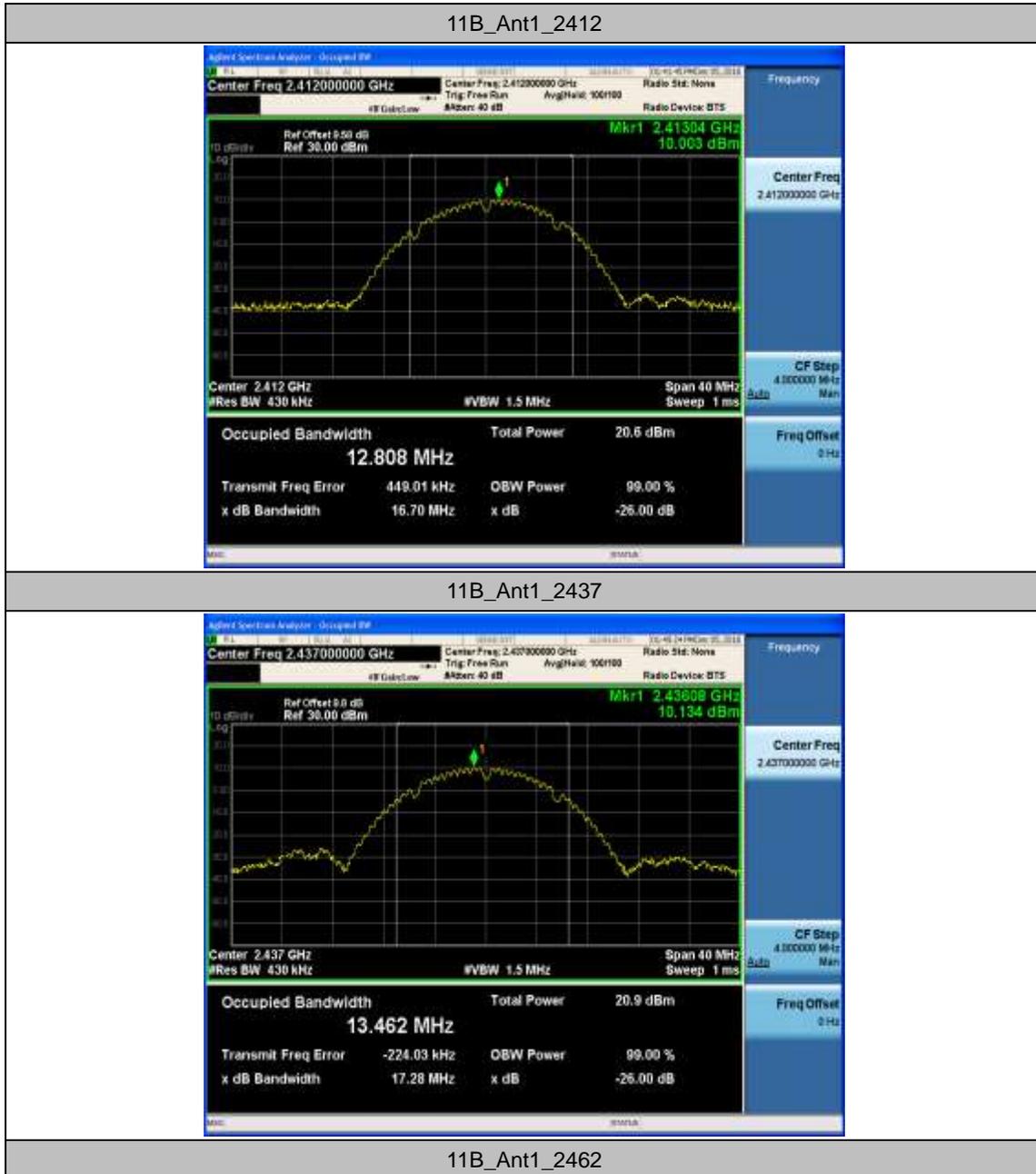
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Test Graphs

11B_Ant1_2412
11B_Ant1_2437
11B_Ant1_2462

11G_Ant1_2412

11G_Ant1_2417

11G_Ant1_2437

11G_Ant1_2457

11G_Ant1_2462

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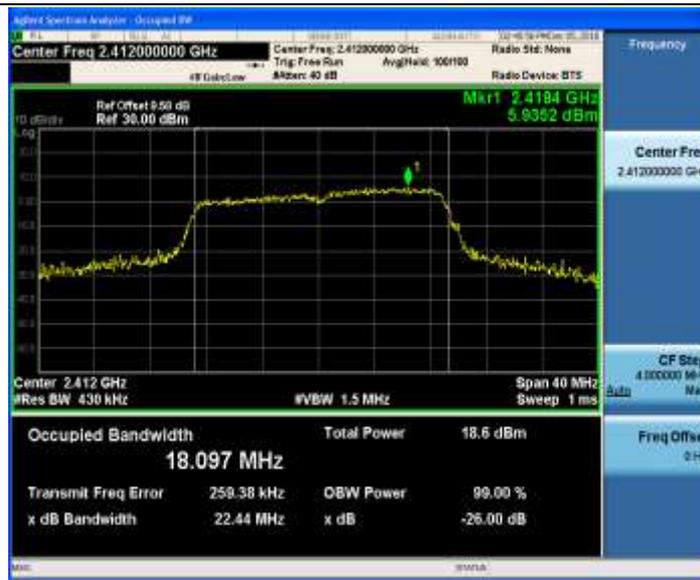
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11N20SISO_Ant1_2462
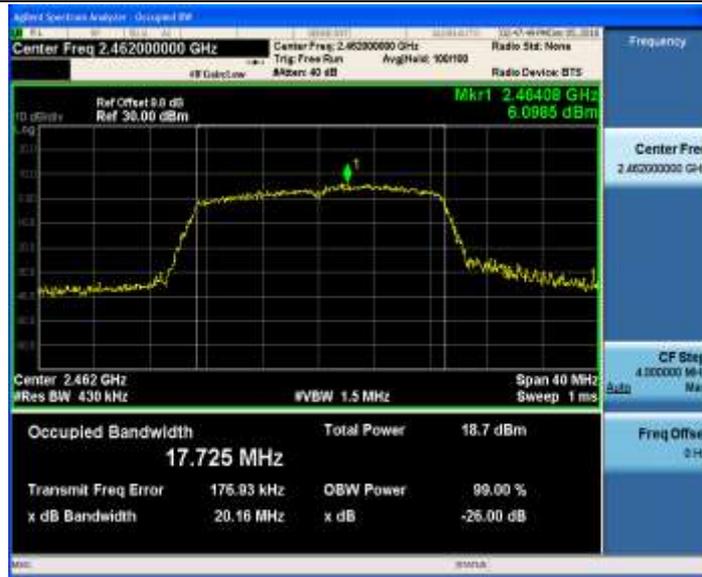
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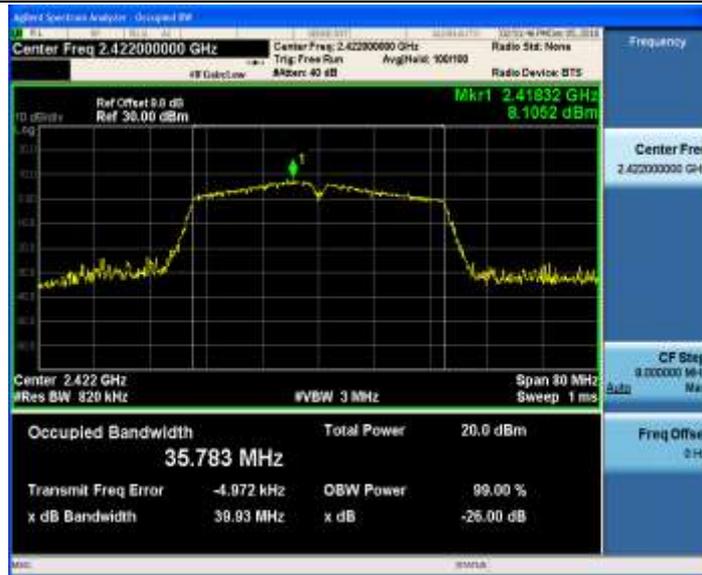
11N40SISO_Ant1_2427

11N40SISO_Ant1_2437

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	8.38	8.42	99.52
		2437	8.38	8.42	99.49
		2462	8.38	8.42	99.49
11G	Ant1	2412	1.39	1.44	96.74
		2417	1.39	1.44	96.74
		2437	1.39	1.44	96.74
		2457	1.39	1.44	96.74
		2462	1.39	1.44	96.74
11N20SISO	Ant1	2412	1.30	1.34	96.51
		2417	1.30	1.35	96.52
		2437	1.30	1.34	96.51
		2457	1.30	1.35	96.42
		2462	1.30	1.35	96.52
11N40SISO	Ant1	2422	2.44	3.74	65.28
		2427	2.44	3.73	65.4
		2437	2.44	3.74	65.24
		2447	2.44	3.74	65.28
		2452	2.44	3.74	65.12

Test Graphs
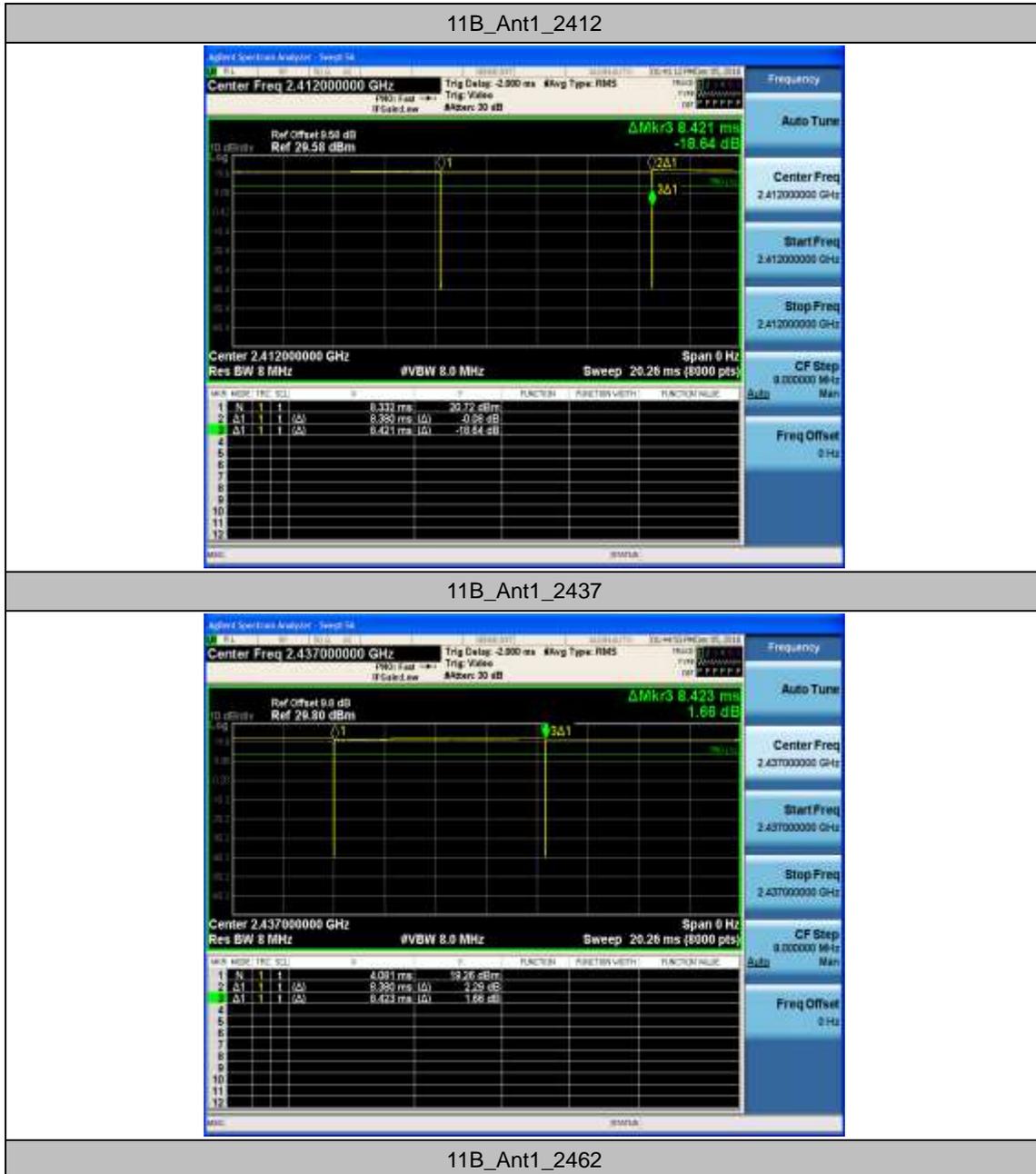
11B_Ant1_2412
11B_Ant1_2437
11B_Ant1_2462
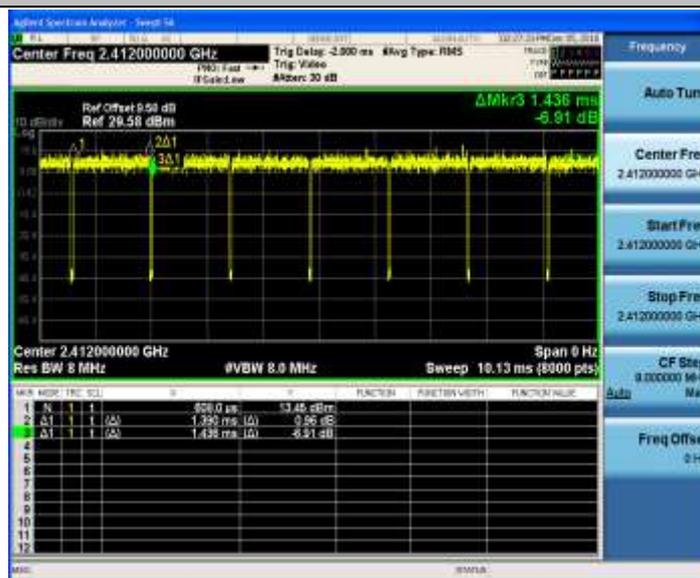
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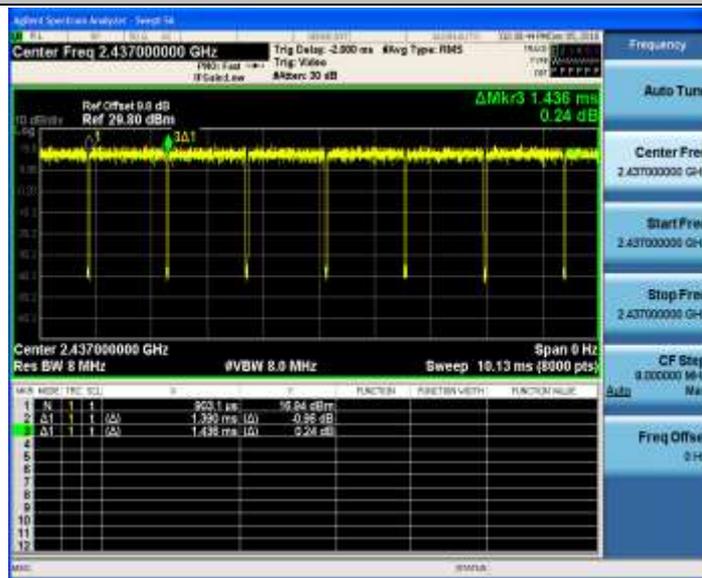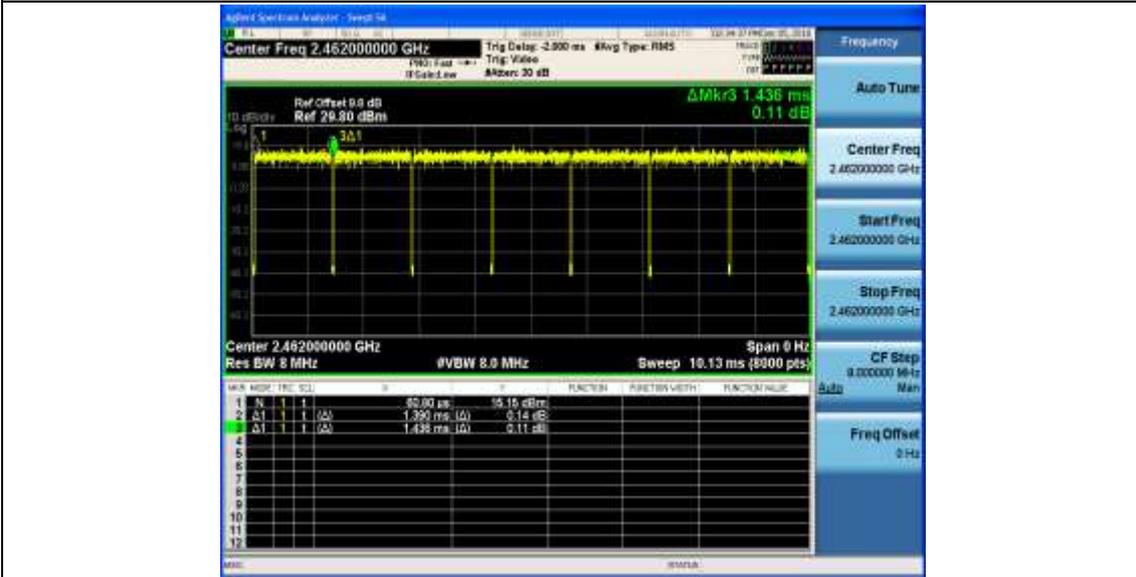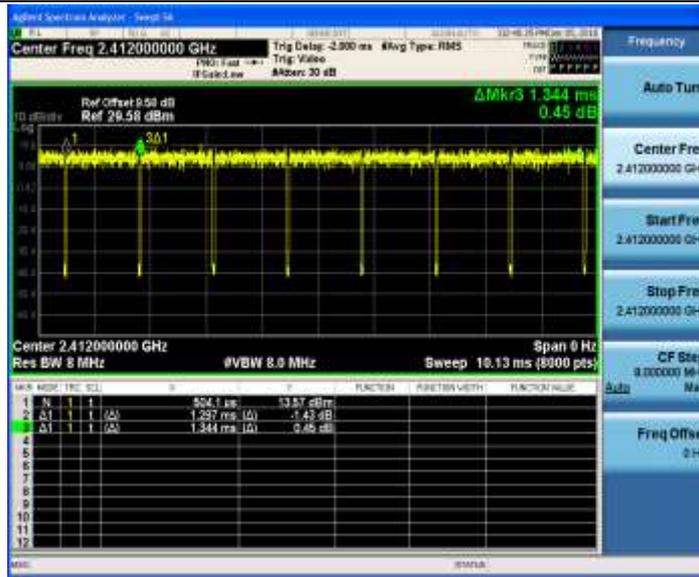
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11G_Ant1_2417

11G_Ant1_2437

11G_Ant1_2457

11G_Ant1_2462

11N20SISO_Ant1_2412

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11N20SISO_Ant1_2417

11N20SISO_Ant1_2437

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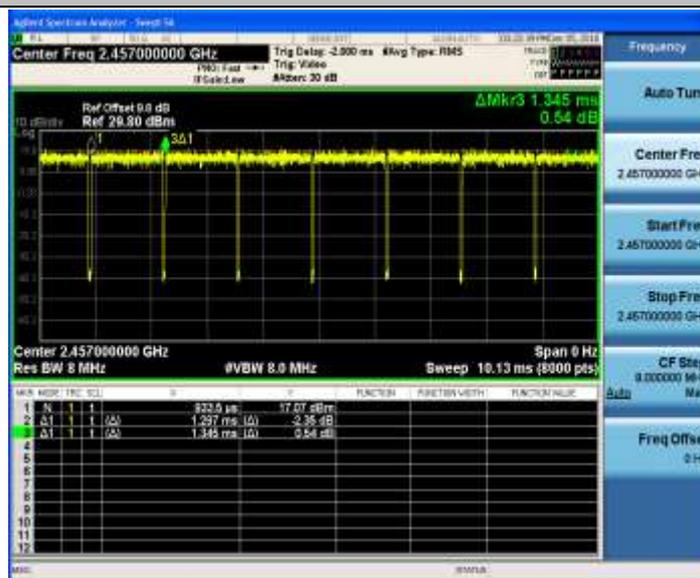Huawei Proprietary and Confidential
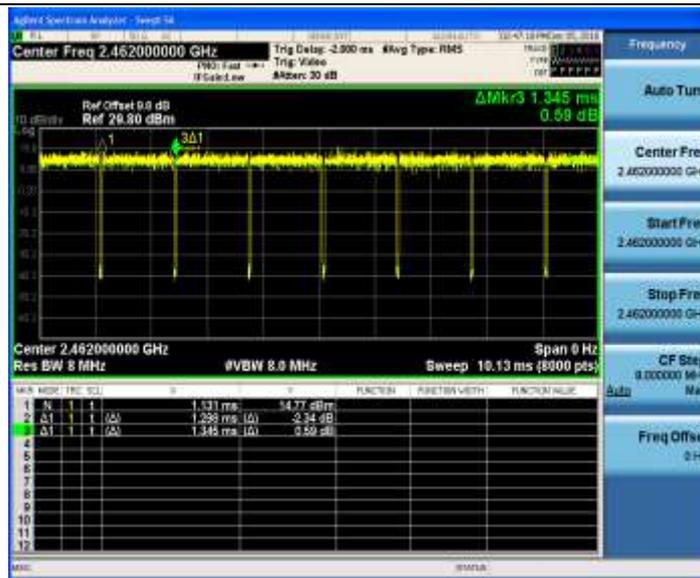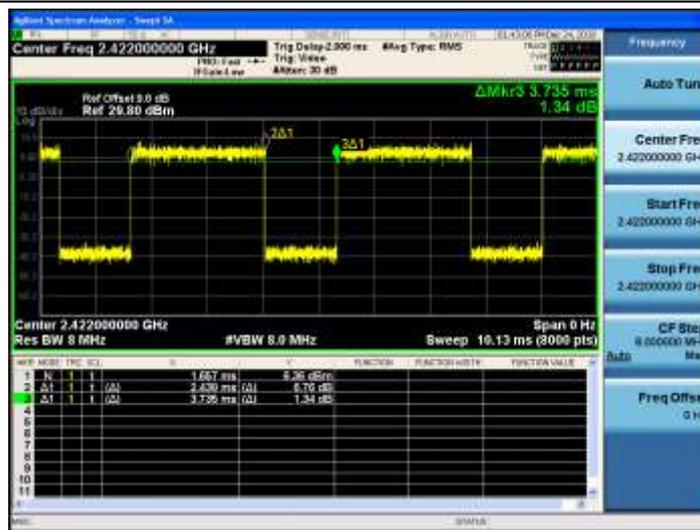Copyright © Huawei Technologies Co., Ltd.

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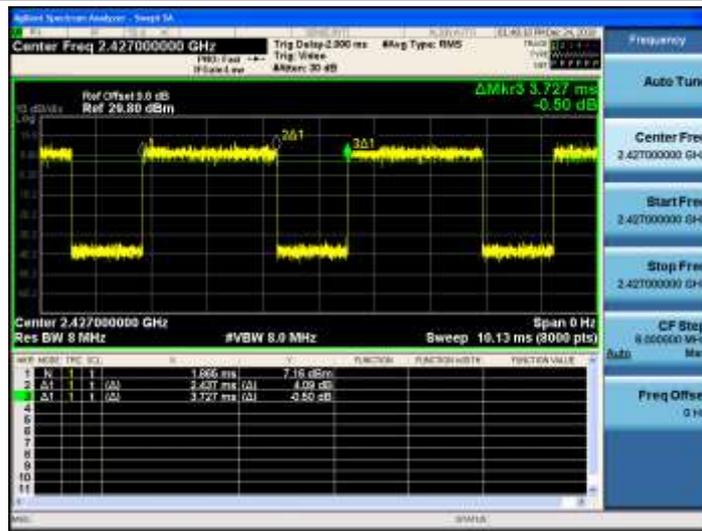
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11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2427

11N40SISO_Ant1_2437

11N40SISO_Ant1_2447

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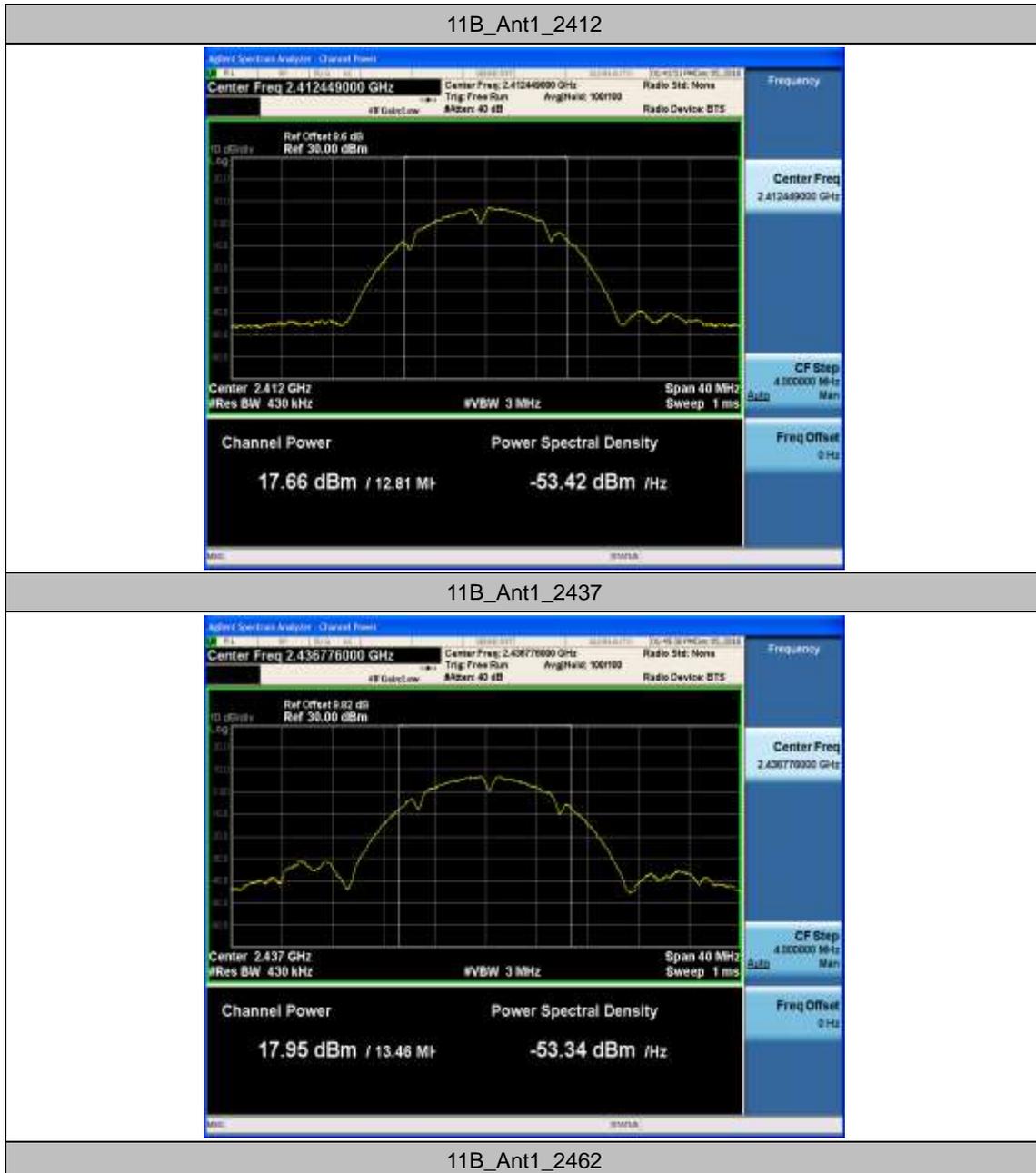Page 30 of 123
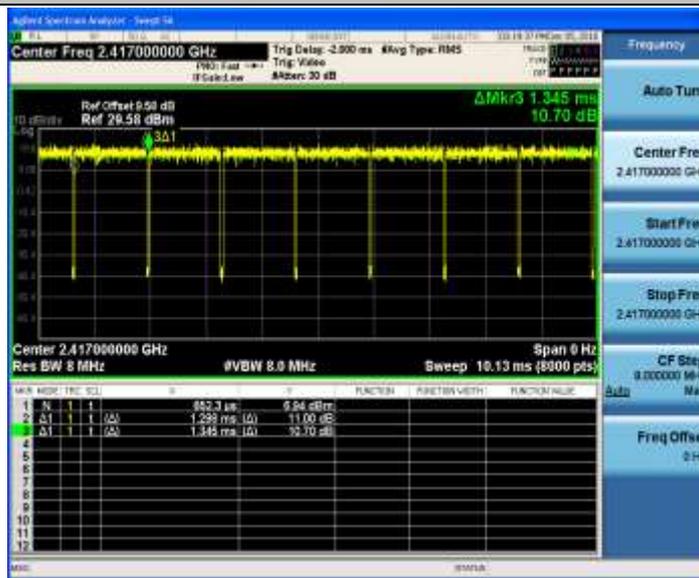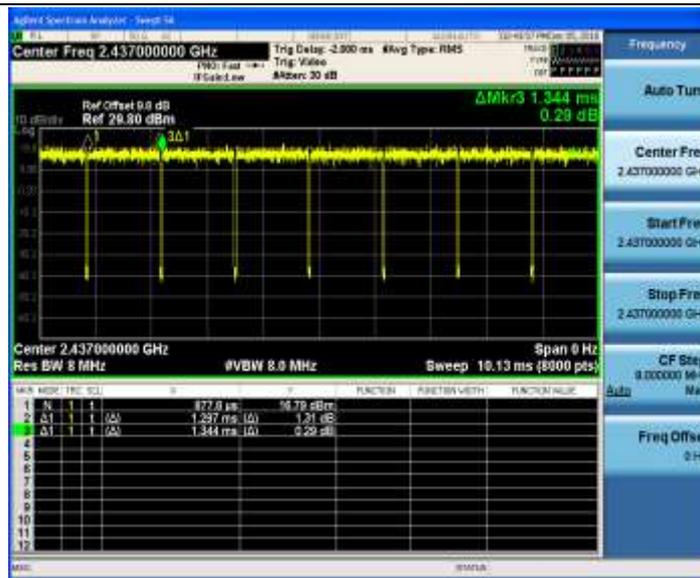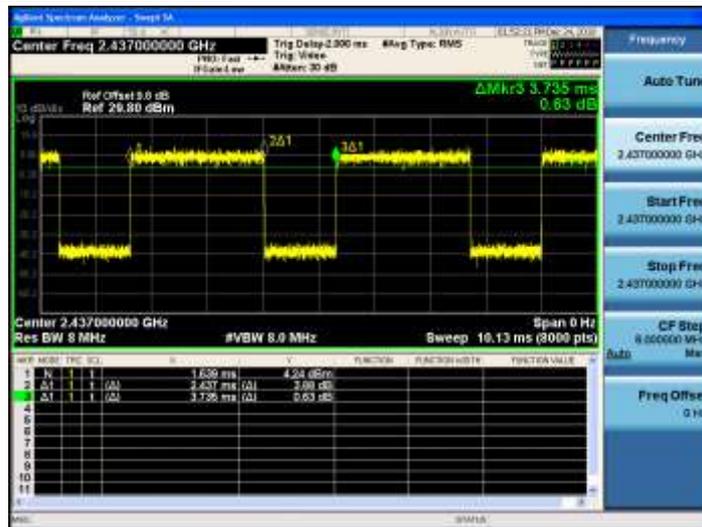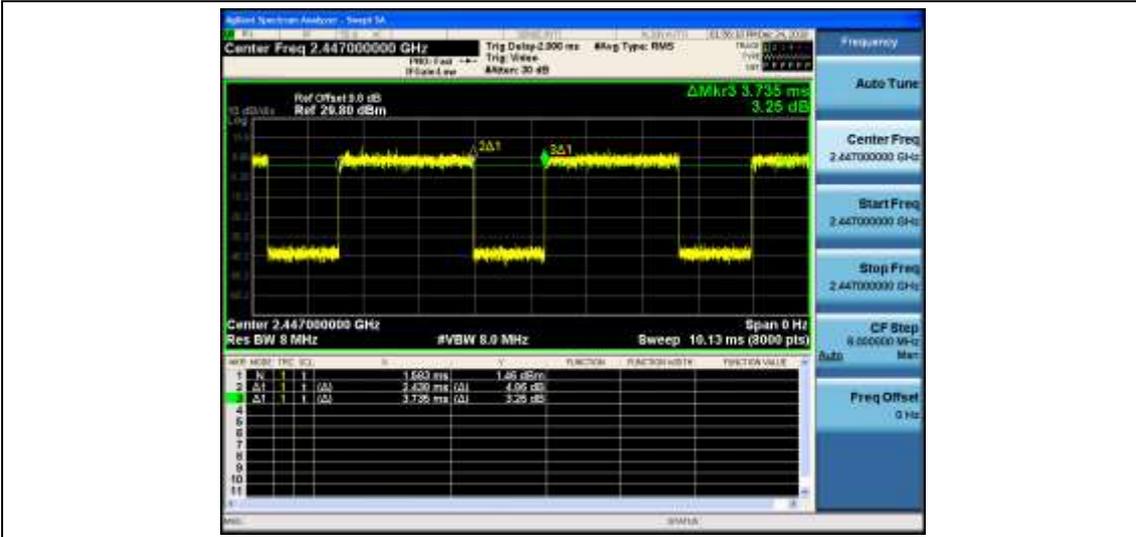
11N40SISO_Ant1_2452

Appendix D: Maximum Average conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	17.66	30	PASS
		2437	17.95	30	PASS
		2462	17.93	30	PASS
11G	Ant1	2412	12.57	30	PASS
		2417	15.87	30	PASS
		2437	16.41	30	PASS
		2457	15.86	30	PASS
		2462	12.74	30	PASS
11N20SISO	Ant1	2412	12.50	30	PASS
		2417	15.77	30	PASS
		2437	16.37	30	PASS
		2457	15.86	30	PASS
		2462	12.55	30	PASS
11N40SISO	Ant1	2422	12.92	30	PASS
		2427	13.56	30	PASS
		2437	13.04	30	PASS
		2447	12.75	30	PASS
		2452	12.47	30	PASS

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Test Graphs

11B_Ant1_2412
11B_Ant1_2437
11B_Ant1_2462

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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

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11N40SISO_Ant1_2422

11N40SISO_Ant1_2427

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11N40SISO_Ant1_2437

11N40SISO_Ant1_2447

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11N40SISO_Ant1_2452

Appendix E: Maximum power spectral density

Test Result

TestMode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-8.04	8	PASS
		2437	-7.7	8	PASS
		2462	-7.58	8	PASS
11G	Ant1	2412	-15.07	8	PASS
		2417	-12.06	8	PASS
		2437	-11.56	8	PASS
		2457	-10.85	8	PASS
		2462	-14.95	8	PASS
11N20SISO	Ant1	2412	-14.96	8	PASS
		2417	-12.36	8	PASS
		2437	-11.98	8	PASS
		2457	-11.2	8	PASS
		2462	-14.71	8	PASS
11N40SISO	Ant1	2422	-16.85	8	PASS
		2427	-16.27	8	PASS
		2437	-16.06	8	PASS
		2447	-15.86	8	PASS
		2452	-15.81	8	PASS

Test Graphs

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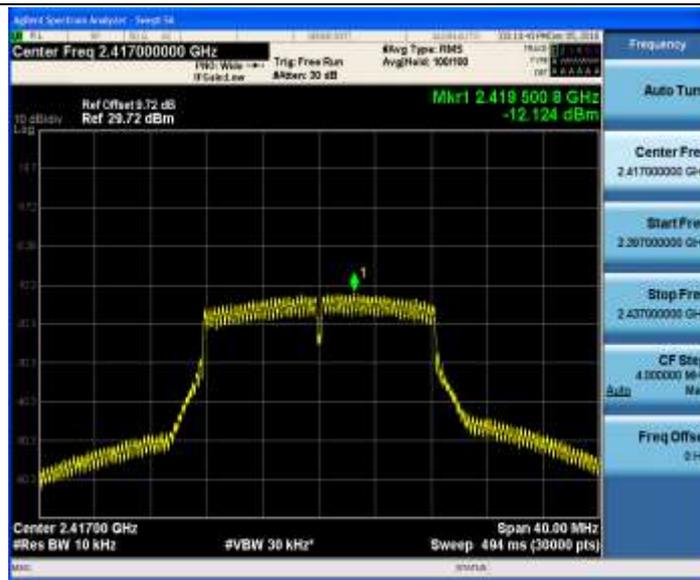
11B_Ant1_2437

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

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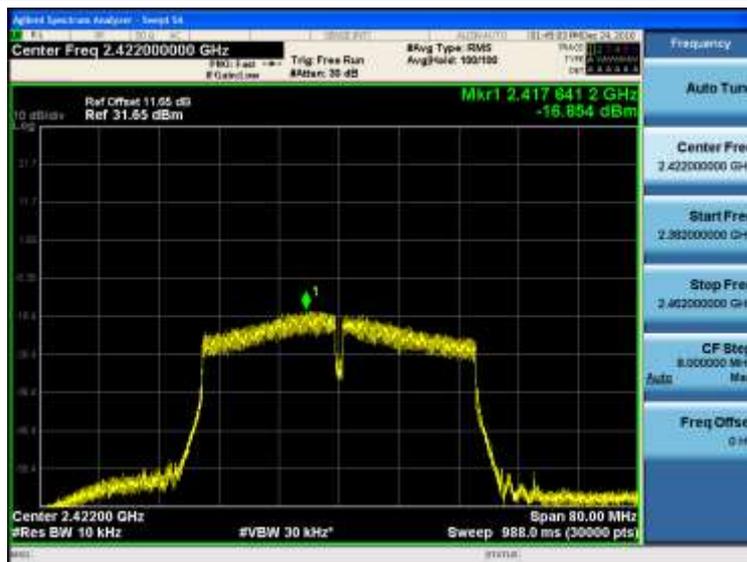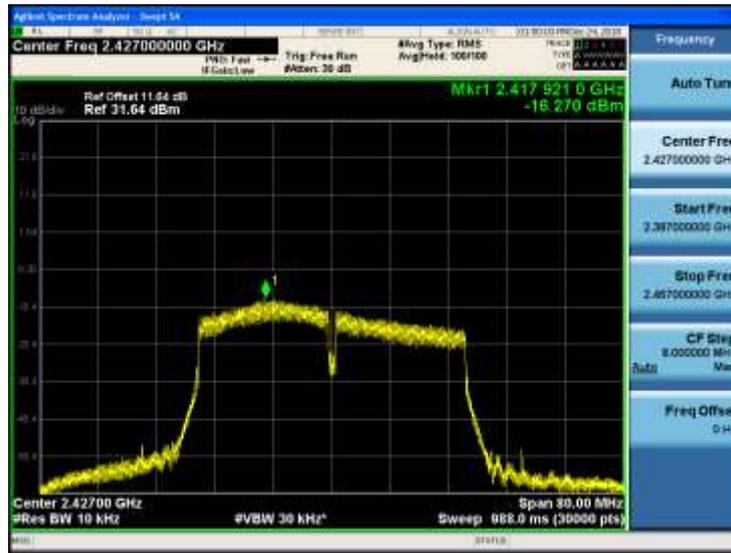
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11N20SISO_Ant1_2457

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

11N40SISO_Ant1_2427

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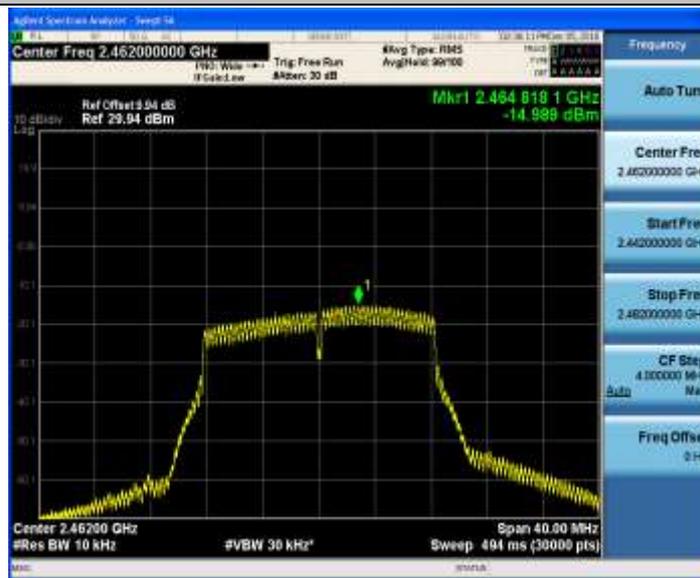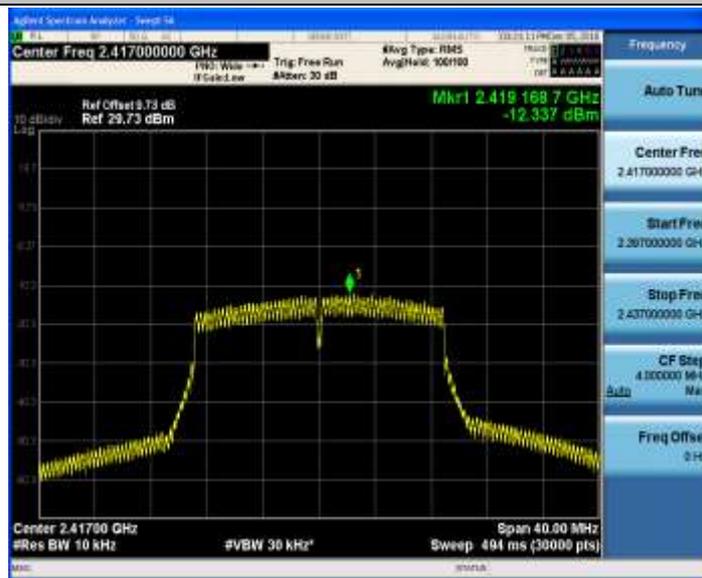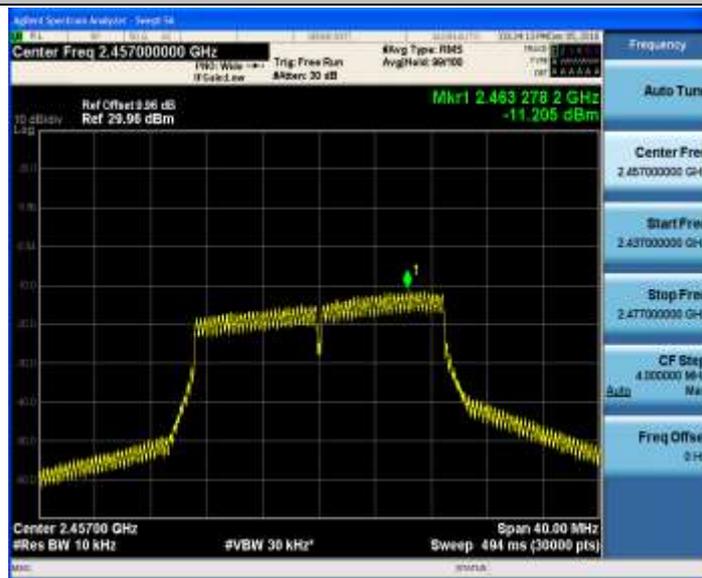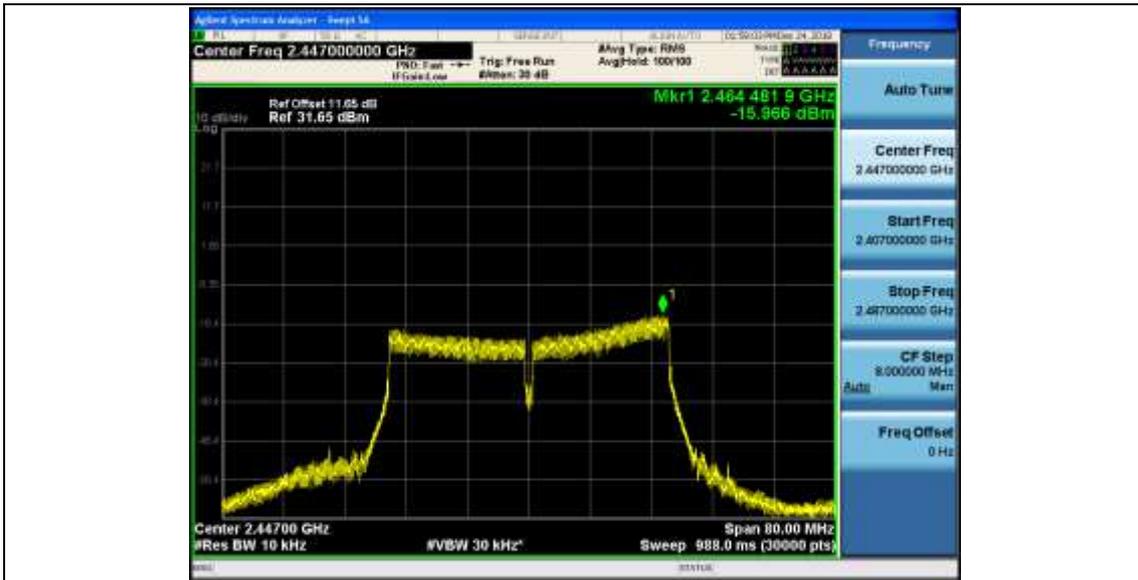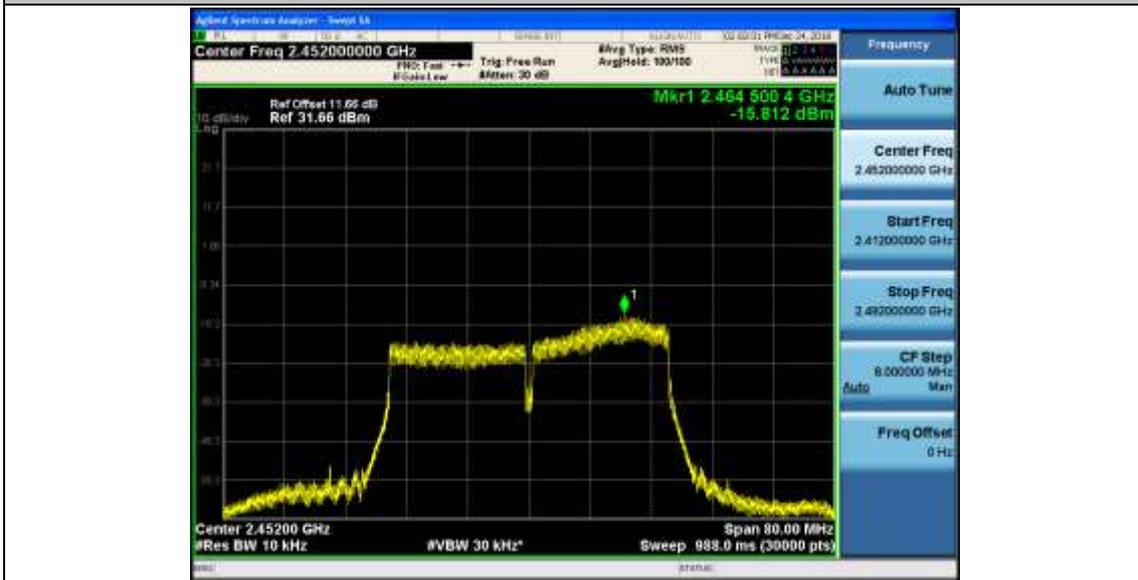
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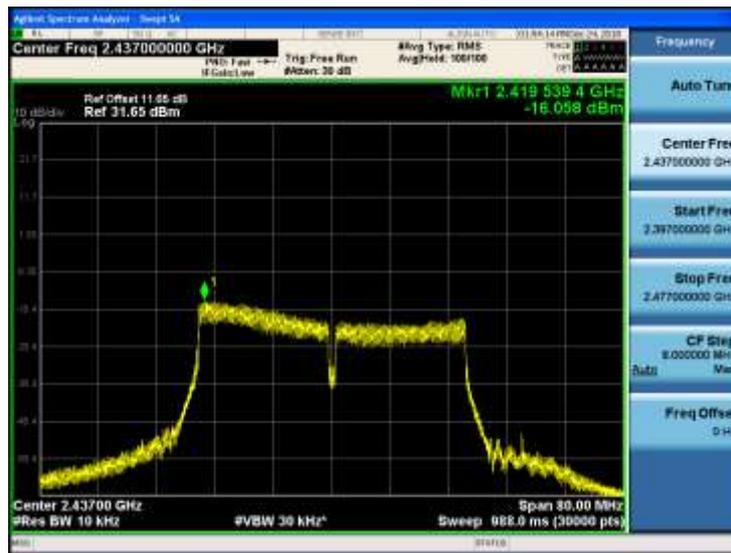
11N40SISO_Ant1_2447

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	9.76	-44.25	-20.24	PASS
		High	2462	10.00	-47.22	-20	PASS
11G	Ant1	Low	2412	2.60	-28.37	-27.4	PASS
			2417	5.82	-32.49	-24.18	PASS
		High	2457	6.52	-46.65	-23.48	PASS
			2462	3.01	-46.2	-26.99	PASS
11N20SISO	Ant1	Low	2412	2.84	-27.74	-27.16	PASS
			2417	6.21	-29.16	-23.79	PASS
		High	2457	6.56	-46.72	-23.44	PASS
			2462	2.83	-45.32	-27.17	PASS
11N40SISO	Ant1	Low	2422	1.25	-34.43	-28.75	PASS
			2427	1.80	-38.56	-28.20	PASS
		High	2447	1.81	-40.22	-28.19	PASS
			2452	1.11	-40.12	-28.89	PASS

Test Graphs

11B_Ant1_Low_2412
11B_Ant1_High_2462
11G_Ant1_Low_2412

11G_Ant1_Low_2417

11G_Ant1_High_2457

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11G_Ant1_High_2462

11N20SISO_Ant1_Low_2412

11N20SISO_Ant1_Low_2417

11N20SISO_Ant1_High_2457

11N20SISO_Ant1_High_2462

11N40SISO_Ant1_Low_2422

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11N40SISO_Ant1_Low_2427

11N40SISO_Ant1_High_2447

11N40SISO_Ant1_High_2452

Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel	Result	Limit	Verdict
11B	Ant1	2412	Reference	9.07	9.07	---	PASS
			0.009~30	0.009~30	-73.96	-30.93	PASS
			30~1000	30~1000	-62.78	-20.93	PASS
			1000~26500	1000~26500	-37.3	-20.93	PASS
		2437	Reference	8.74	8.74	---	PASS
			0.009~30	0.009~30	-73.47	-31.26	PASS
			30~1000	30~1000	-62.37	-21.26	PASS
			1000~26500	1000~26500	-37.23	-21.26	PASS
		2462	Reference	9.36	9.36	---	PASS
			0.009~30	0.009~30	-73.85	-30.64	PASS
			30~1000	30~1000	-62.85	-20.64	PASS
			1000~26500	1000~26500	-36.82	-20.64	PASS
11G	Ant1	2412	Reference	0.42	0.42	---	PASS
			0.009~30	0.009~30	-75.03	-39.58	PASS
			30~1000	30~1000	-63.13	-29.58	PASS
			1000~26500	1000~26500	-37.25	-29.58	PASS
		2417	Reference	5.44	5.44	---	PASS
			0.009~30	0.009~30	-74.66	-34.56	PASS
			30~1000	30~1000	-62.29	-24.56	PASS
			1000~26500	1000~26500	-37.73	-24.56	PASS
		2437	Reference	6.35	6.35	---	PASS
			0.009~30	0.009~30	-73.95	-33.65	PASS
			30~1000	30~1000	-61.8	-23.65	PASS
			1000~26500	1000~26500	-37.45	-23.65	PASS
		2457	Reference	6.96	6.96	---	PASS
			0.009~30	0.009~30	-73.39	-33.04	PASS
			30~1000	30~1000	-63	-23.04	PASS
			1000~26500	1000~26500	-36.04	-23.04	PASS
		2462	Reference	2.63	2.63	---	PASS
			0.009~30	0.009~30	-74.53	-37.37	PASS
			30~1000	30~1000	-62.84	-27.37	PASS
			1000~26500	1000~26500	-36.82	-27.37	PASS
11N20SISO	Ant1	2412	Reference	2.66	2.66	---	PASS

			0.009~30	0.009~30	-73.46	-37.34	PASS
			30~1000	30~1000	-62.22	-27.34	PASS
			1000~26500	1000~26500	-36.97	-27.34	PASS
		2417	Reference	5.66	5.66	---	PASS
			0.009~30	0.009~30	-74.98	-34.34	PASS
			30~1000	30~1000	-63.05	-24.34	PASS
			1000~26500	1000~26500	-38.12	-24.34	PASS
		2437	Reference	6.13	6.13	---	PASS
			0.009~30	0.009~30	-73.05	-33.87	PASS
			30~1000	30~1000	-62.37	-23.87	PASS
			1000~26500	1000~26500	-37.26	-23.87	PASS
		2457	Reference	6.83	6.83	---	PASS
			0.009~30	0.009~30	-74.4	-33.17	PASS
			30~1000	30~1000	-62.39	-23.17	PASS
			1000~26500	1000~26500	-37.34	-23.17	PASS
		2462	Reference	2.57	2.57	---	PASS
			0.009~30	0.009~30	-73.14	-37.43	PASS
			30~1000	30~1000	-62.66	-27.43	PASS
			1000~26500	1000~26500	-37.09	-27.43	PASS
11N40SISO	Ant1	2422	Reference	0.79	0.79	---	PASS
			0.009~30	0.009~30	-74.42	-39.21	PASS
			30~1000	30~1000	-62.13	-29.21	PASS
			1000~26500	1000~26500	-36.92	-29.21	PASS
		2427	Reference	-0.32	-0.32	---	PASS
			0.009~30	0.009~30	-74.79	-40.32	PASS
			30~1000	30~1000	-63.48	-30.32	PASS
			1000~26500	1000~26500	-39.85	-30.32	PASS
		2437	Reference	2.34	2.34	---	PASS
			0.009~30	0.009~30	-73.8	-37.66	PASS
			30~1000	30~1000	-61.82	-27.66	PASS
			1000~26500	1000~26500	-37.13	-27.66	PASS
		2447	Reference	1.95	1.95	---	PASS
			0.009~30	0.009~30	-73.57	-38.05	PASS
			30~1000	30~1000	-61.23	-28.05	PASS
			1000~26500	1000~26500	-37.31	-28.05	PASS
		2452	Reference	1.38	1.38	---	PASS
			0.009~30	0.009~30	-73.1	-38.62	PASS
			30~1000	30~1000	-62.78	-28.62	PASS

			1000~26500	1000~26500	-36.77	-28.62	PASS

Test Graphs

11B_Ant1_2412_0~Reference
11B_Ant1_2412_0.009~30
11B_Ant1_2412_30~1000

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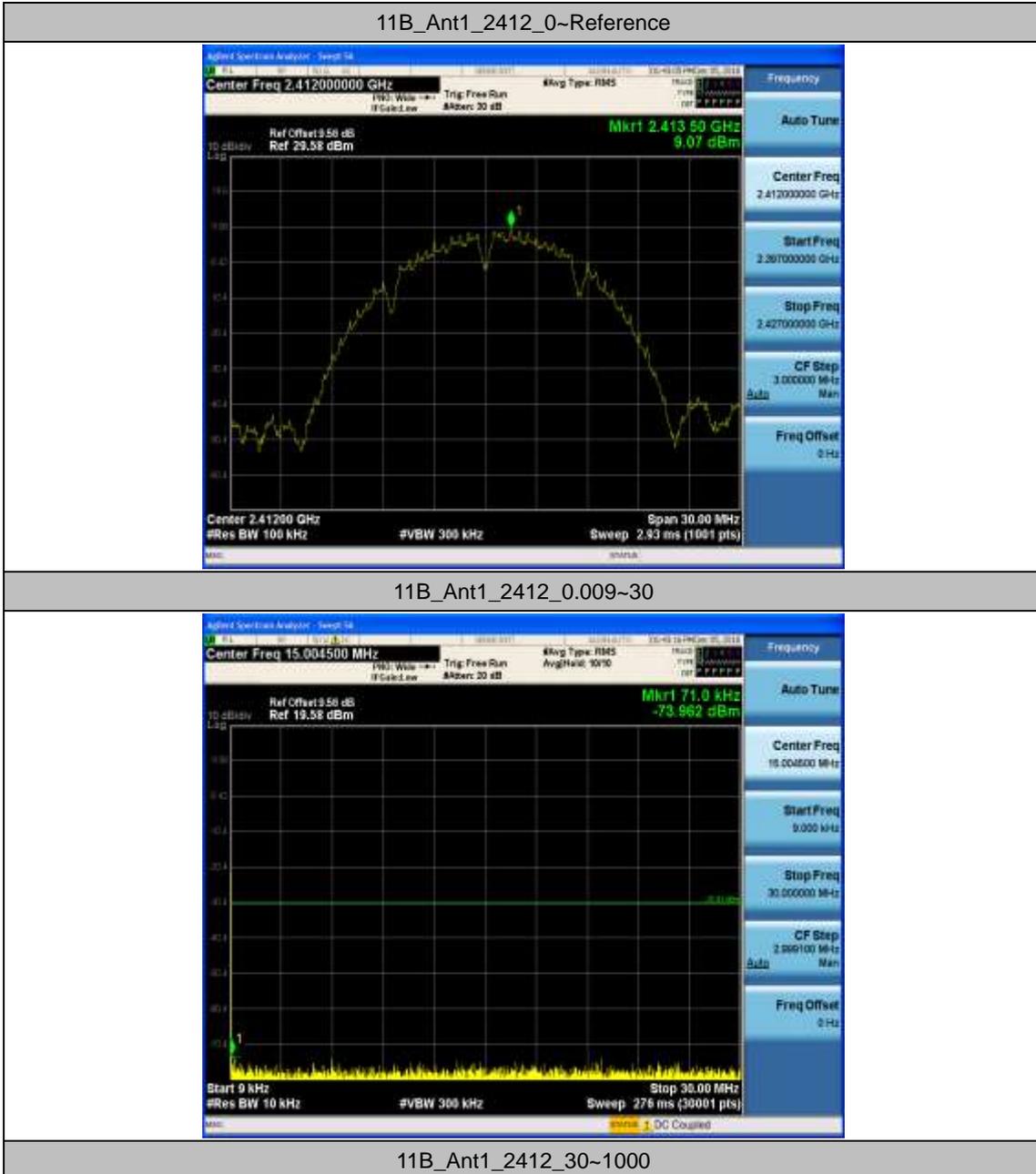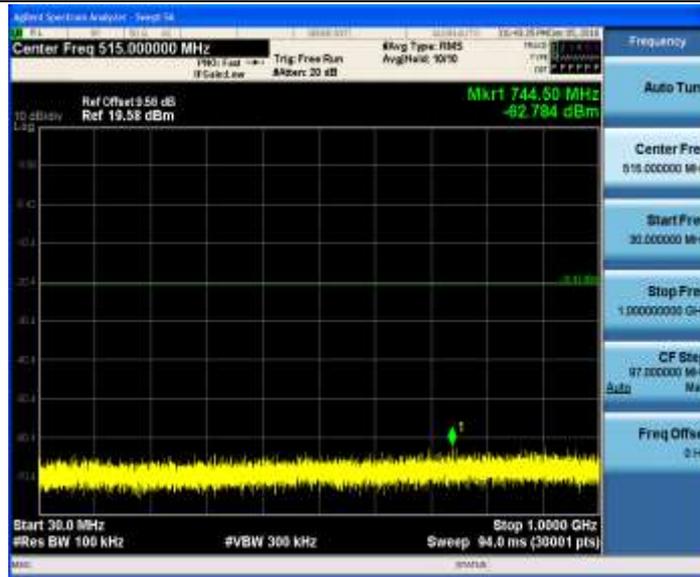
11B_Ant1_2412_1000~26500

11B_Ant1_2437_0~Reference

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11B_Ant1_2437_0.009~30

11B_Ant1_2437_30~1000

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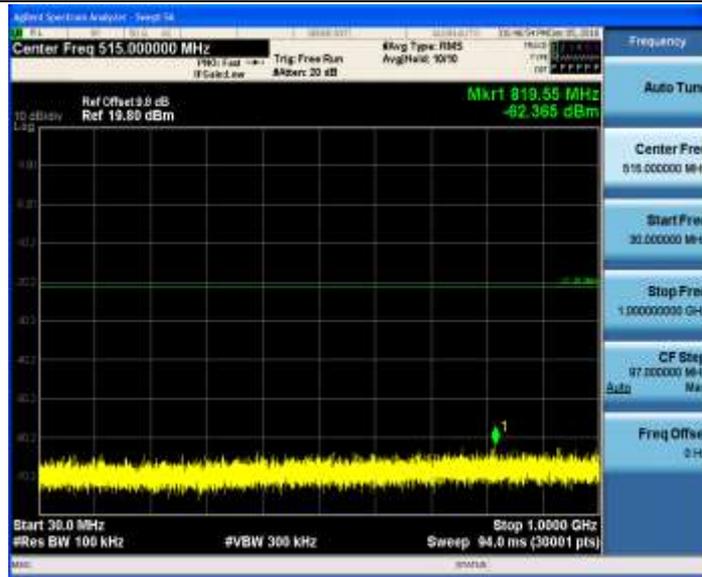
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11B_Ant1_2462_0~Reference

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11B_Ant1_2462_0.009~30

11B_Ant1_2462_30~1000

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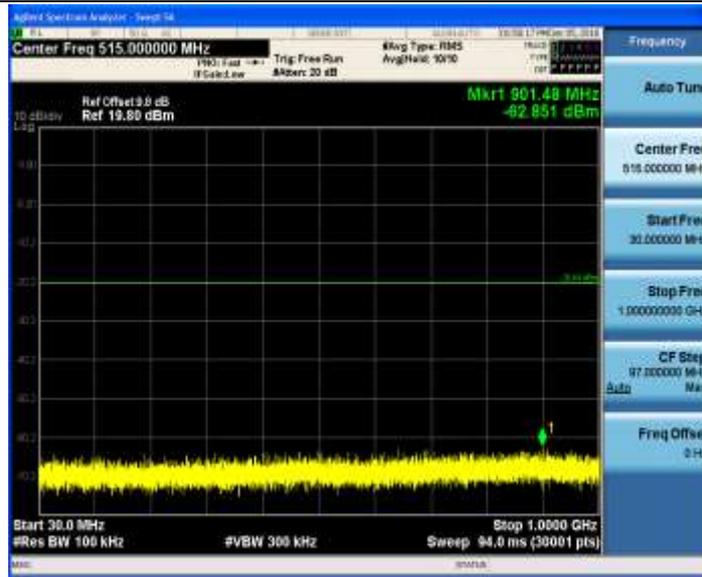
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11G_Ant1_2412_0~Reference

11G_Ant1_2412_0.009~30

11G_Ant1_2412_30~1000
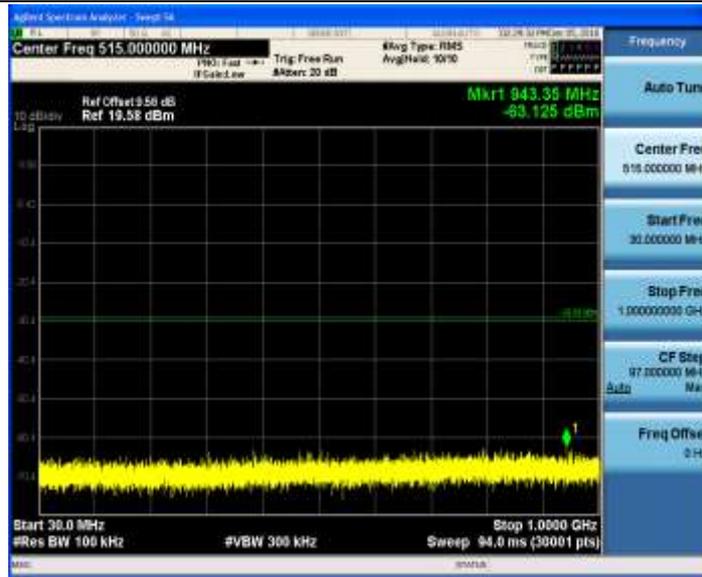
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11G_Ant1_2417_0~Reference

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11G_Ant1_2417_0.009~30

11G_Ant1_2417_30~1000
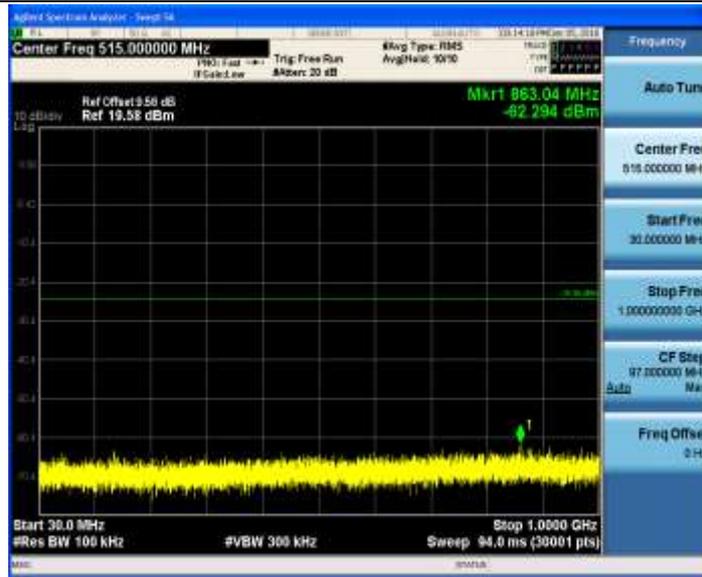
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11G_Ant1_2437_0~Reference

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11G_Ant1_2437_0.009~30

11G_Ant1_2437_30~1000

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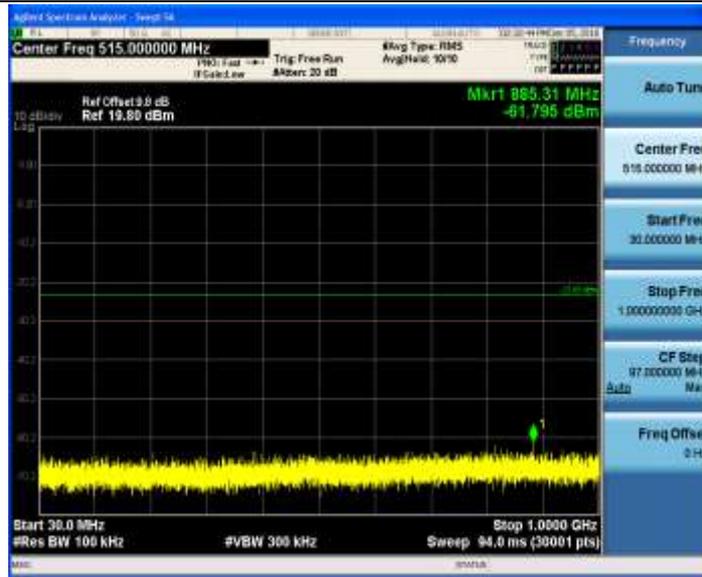
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11G_Ant1_2457_0~Reference

11G_Ant1_2457_0.009~30

11G_Ant1_2457_30~1000
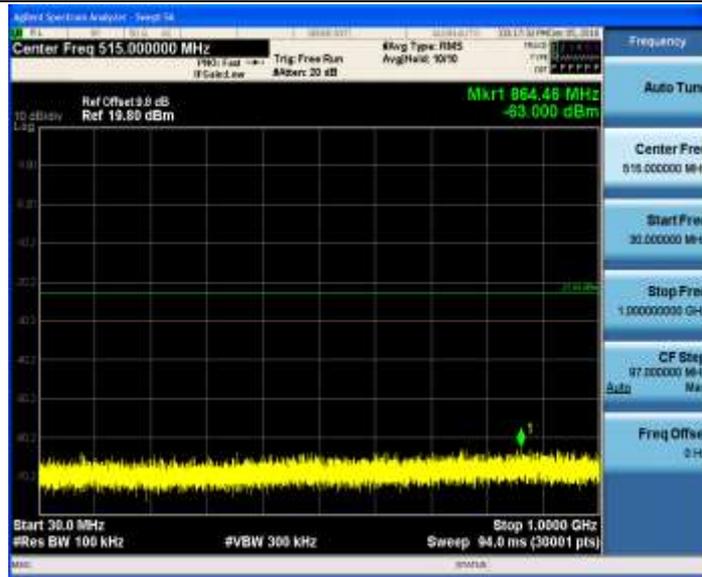
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11G_Ant1_2462_0~Reference

11G_Ant1_2462_0.009~30

11G_Ant1_2462_30~1000

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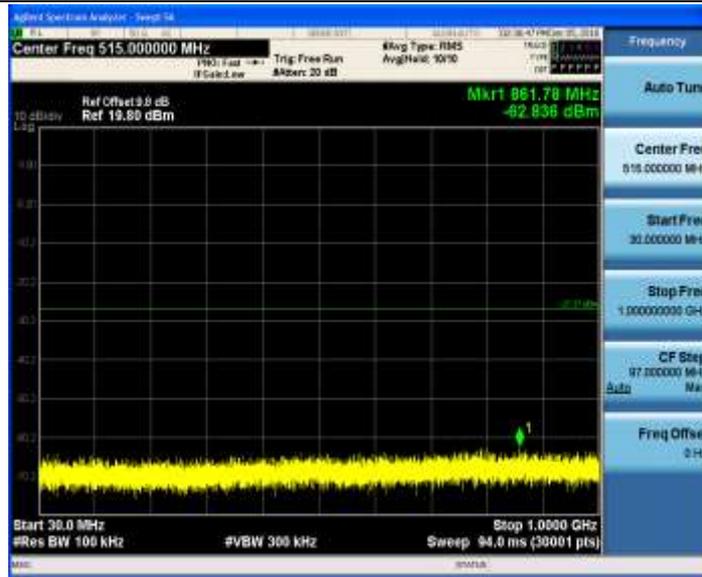
11G_Ant1_2462_1000~26500

11N20SISO_Ant1_2412_0~Reference

11N20SISO_Ant1_2412_0.009~30

11N20SISO_Ant1_2412_30~1000

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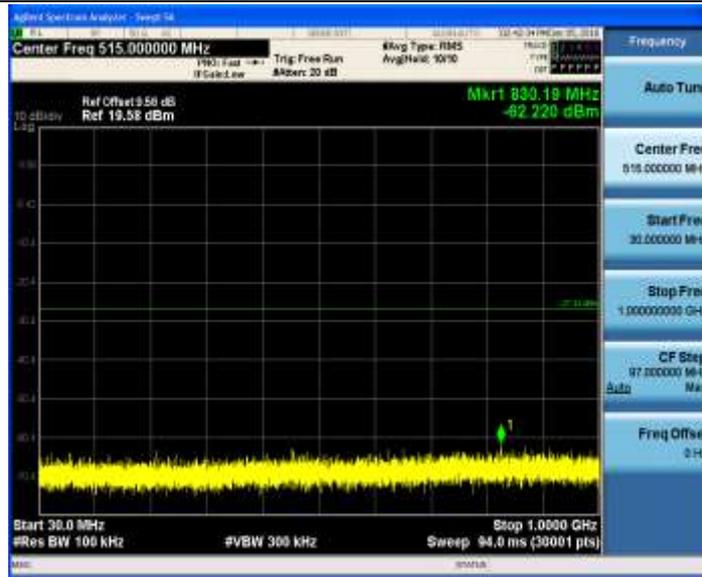
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11N20SISO_Ant1_2417_0~Reference

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11N20SISO_Ant1_2417_0.009~30

11N20SISO_Ant1_2417_30~1000
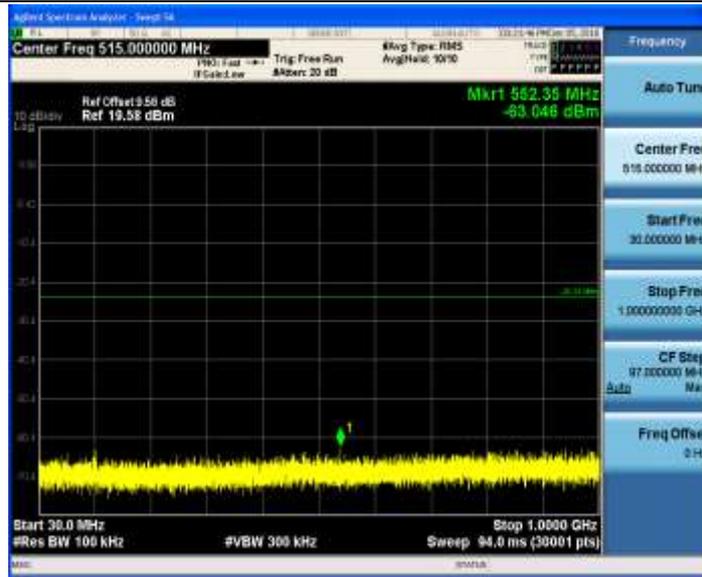
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11N20SISO_Ant1_2437_0~Reference

11N20SISO_Ant1_2437_0.009~30

11N20SISO_Ant1_2437_30~1000

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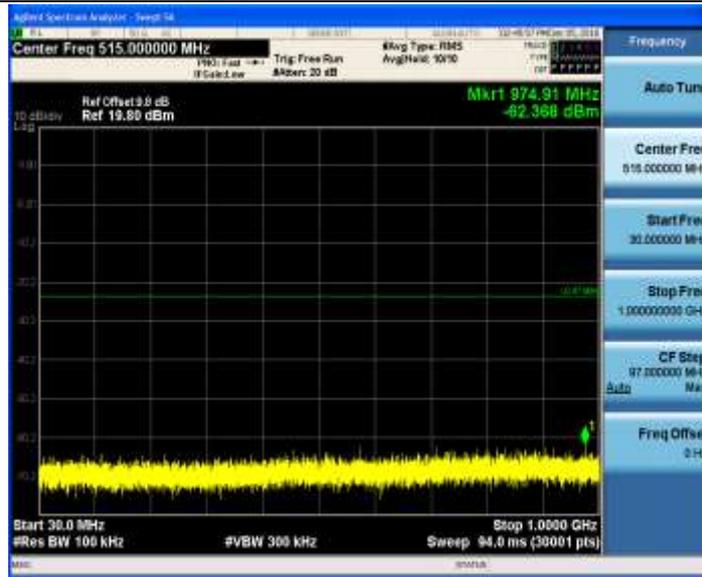
11N20SISO_Ant1_2437_1000~26500

11N20SISO_Ant1_2457_0~Reference

11N20SISO_Ant1_2457_0.009~30

11N20SISO_Ant1_2457_30~1000
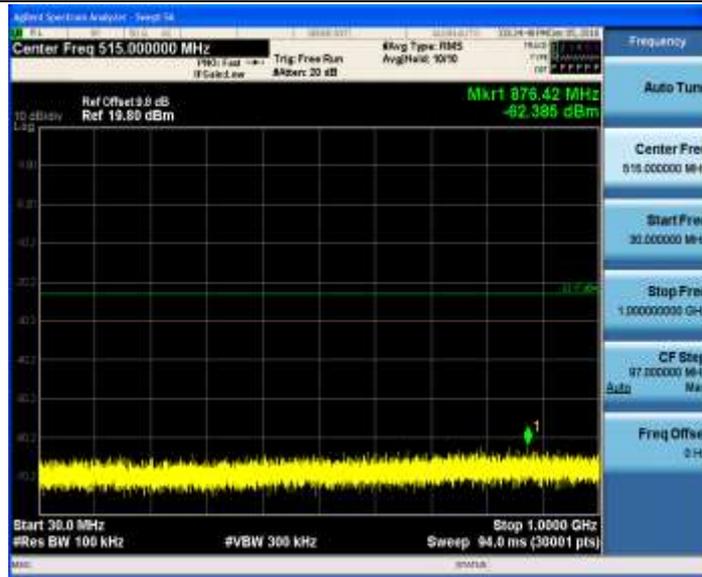
11N20SISO_Ant1_2457_1000~26500

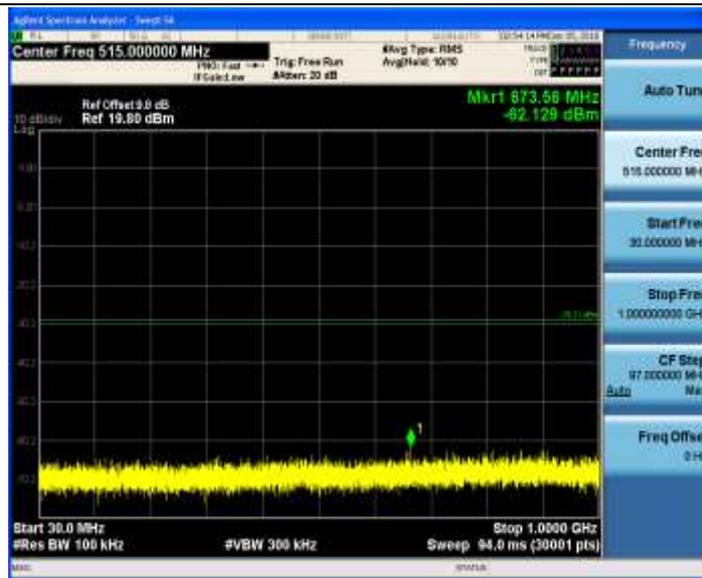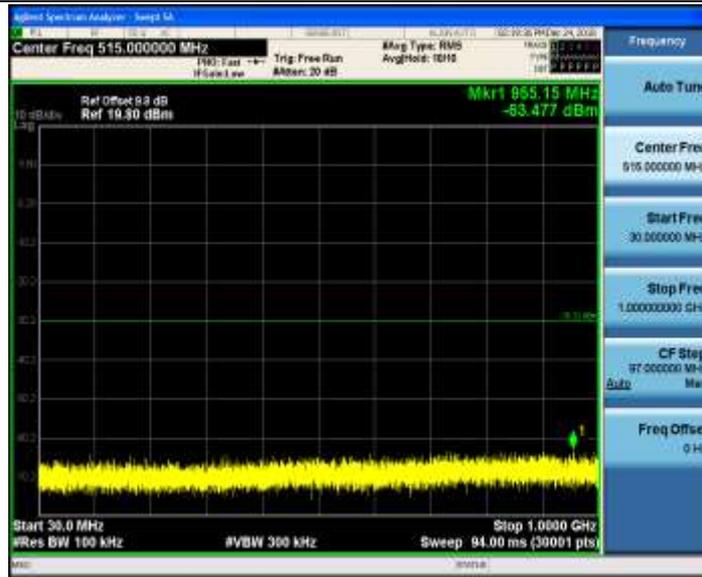11N20SISO_Ant1_2462_0~Reference

11N20SISO_Ant1_2462_0.009~30

11N20SISO_Ant1_2462_30~1000

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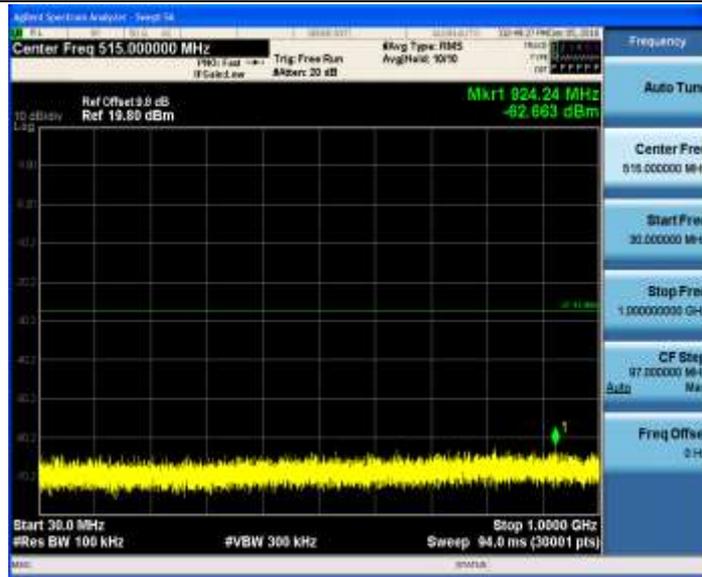
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11N40SISO_Ant1_2422_0~Reference

11N40SISO_Ant1_2422_0.009~30

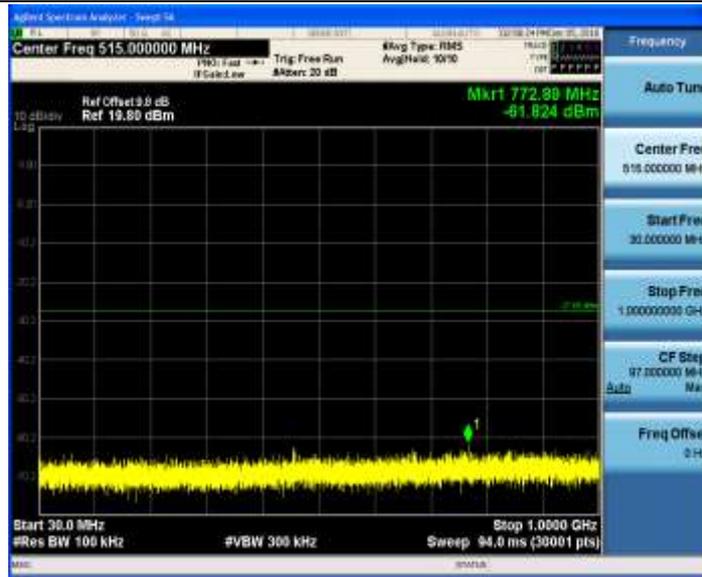11N40SISO_Ant1_2422_30~1000

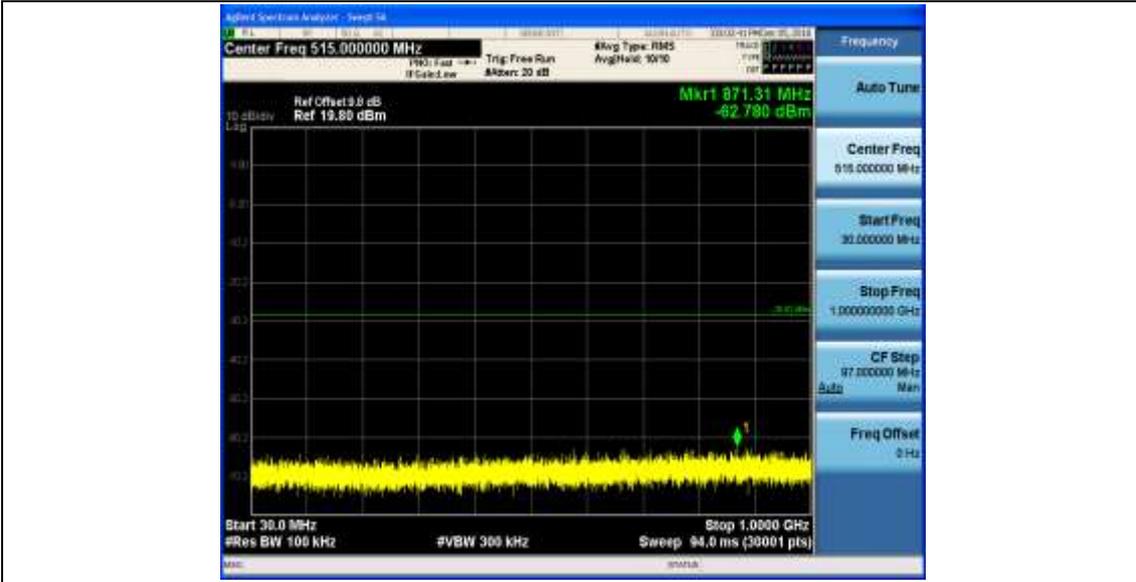| 11N40SISO_Ant1_2422_1000~26500 |
| --- |

11N40SISO_Ant1_2427_0~Reference

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11N40SISO_Ant1_2427_0.009~30

11N40SISO_Ant1_2427_30~1000

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11N40SISO_Ant1_2427_1000~26500

11N40SISO_Ant1_2437_0~Reference

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11N40SISO_Ant1_2437_0.009~30

11N40SISO_Ant1_2437_30~1000

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11N40SISO_Ant1_2437_1000~26500

11N40SISO_Ant1_2447_0~Reference

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11N40SISO_Ant1_2447_0.009~30

11N40SISO_Ant1_2447_30~1000

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11N40SISO_Ant1_2447_1000~26500

11N40SISO_Ant1_2452_0~Reference

11N40SISO_Ant1_2452_0.009~30

11N40SISO_Ant1_2452_30~1000

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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

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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.
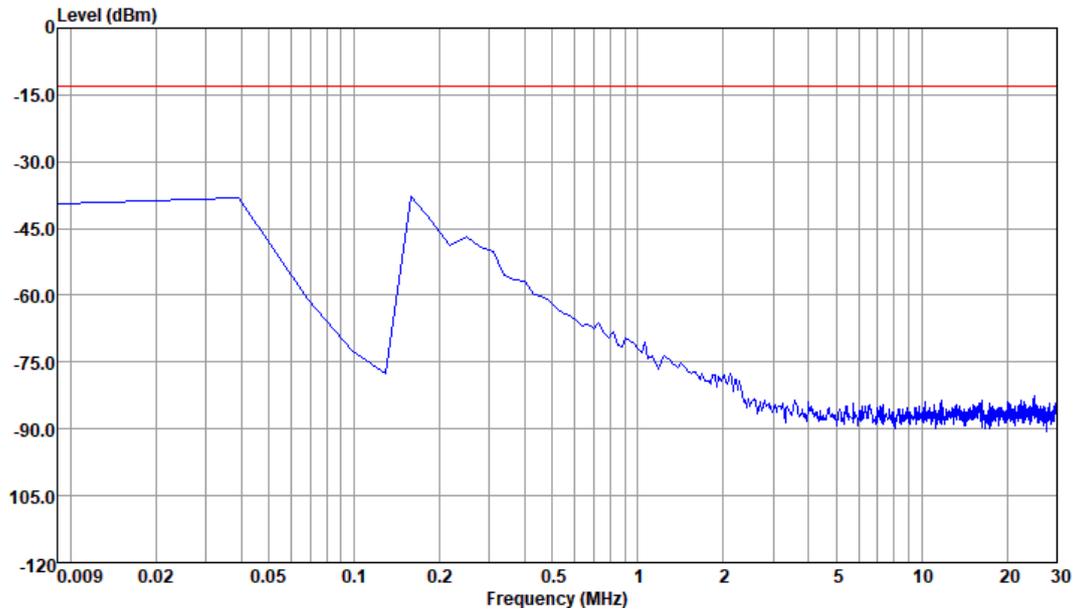
1.2 Part 2: Testing Range of "30 MHz to 1 GHz"

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).
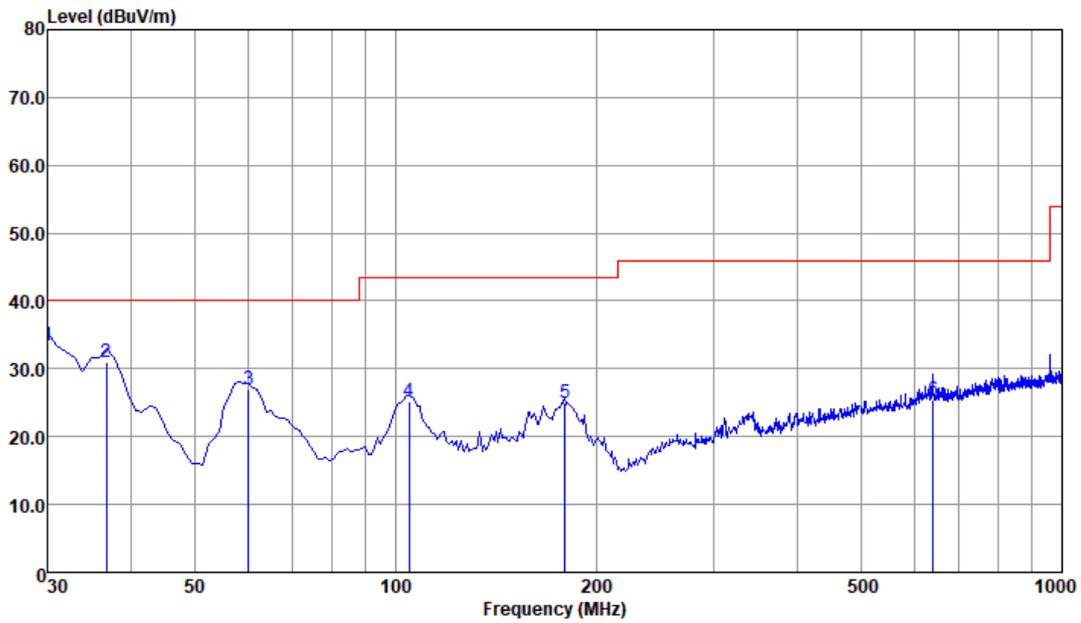
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	30.00	33.51	-6.49	40.00	40.48	24.40	0.23	31.60	QP
2	36.79	31.01	-8.99	40.00	41.93	20.34	0.34	31.60	QP
3	60.07	26.94	-13.06	40.00	45.65	12.40	0.49	31.60	QP
4	104.69	25.10	-18.40	43.50	38.68	17.01	0.90	31.49	QP
5	179.38	24.87	-18.63	43.50	39.43	15.24	1.48	31.28	QP
6	641.10	25.41	-20.59	46.00	28.82	24.66	3.13	31.20	QP

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.
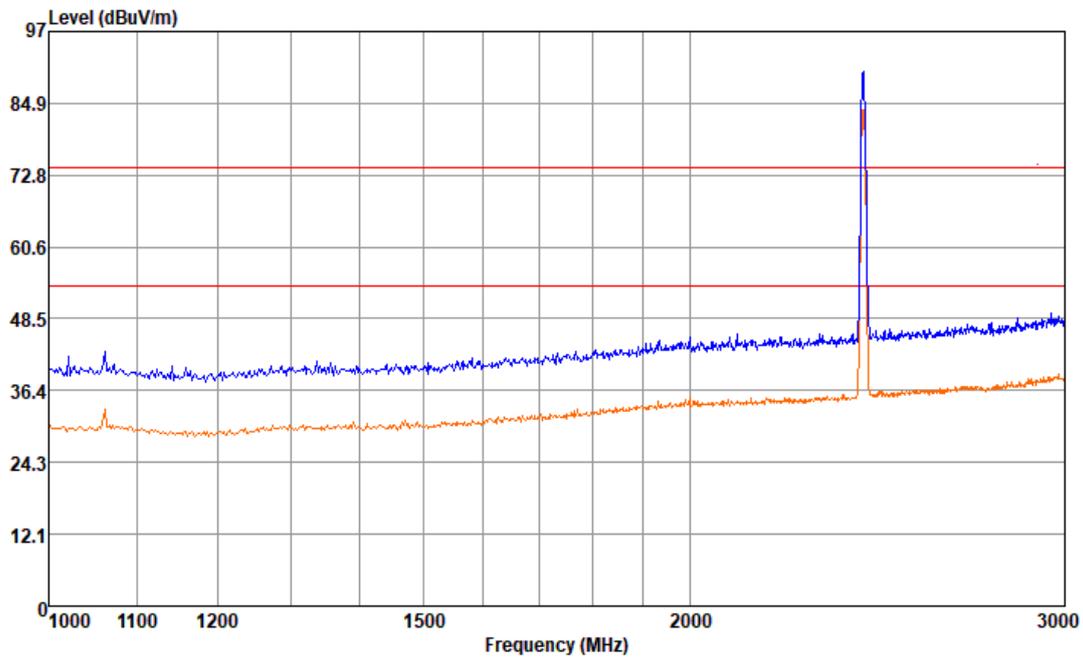
2, Margin=Limit - Level

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 dBµV/m) and Average Limit (54 dBµV/m).

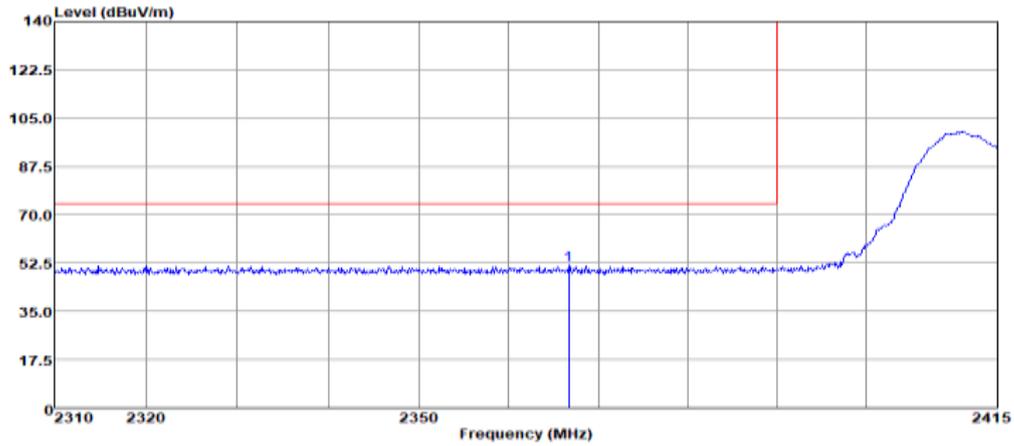Note 3:   The peak spike exceeds the limit line is EUT's operating frequency.
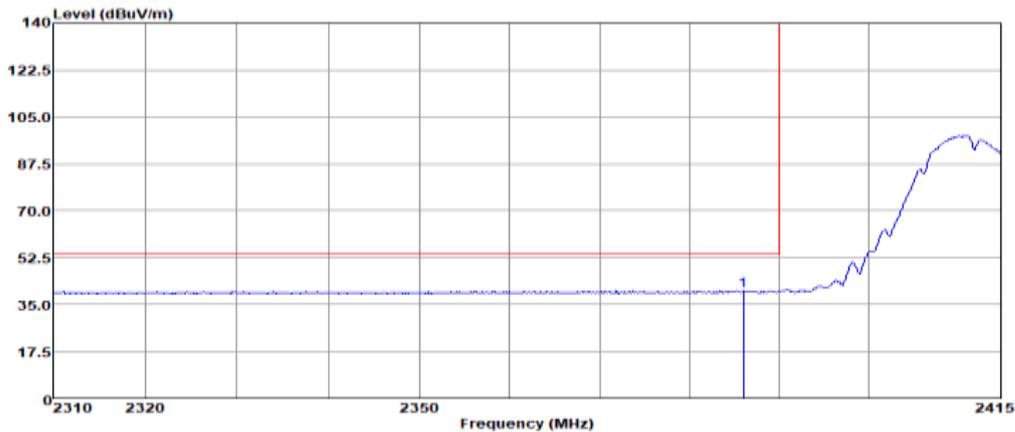
1.3.1Test Mode: 11B

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1.3.1.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2366.70	51.69	-22.31	74.00	46.42	31.54	6.73	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2386.02	40.22	-13.78	54.00	34.91	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.
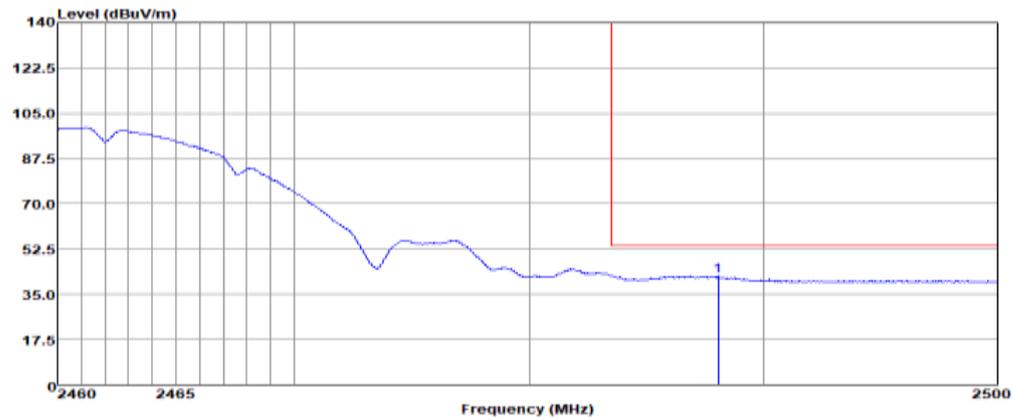
2, Margin=Limit - Level

1.3.1.2 Channel 11@Ant 1

MEASUREMENT RESULT: PK Detector
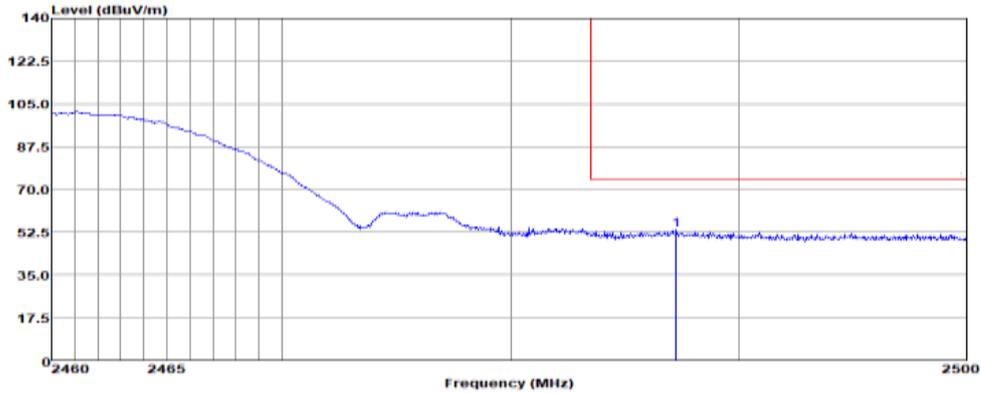
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2487.24	53.46	-20.54	74.00	47.69	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2488.04	42.16	-11.84	54.00	36.32	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.
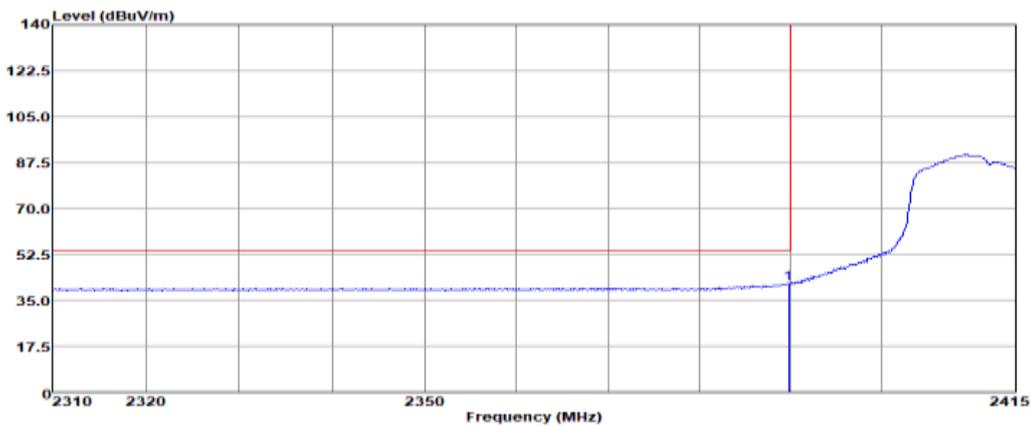
2, Margin=Limit - Level

1.3.2 Test Mode: 11G
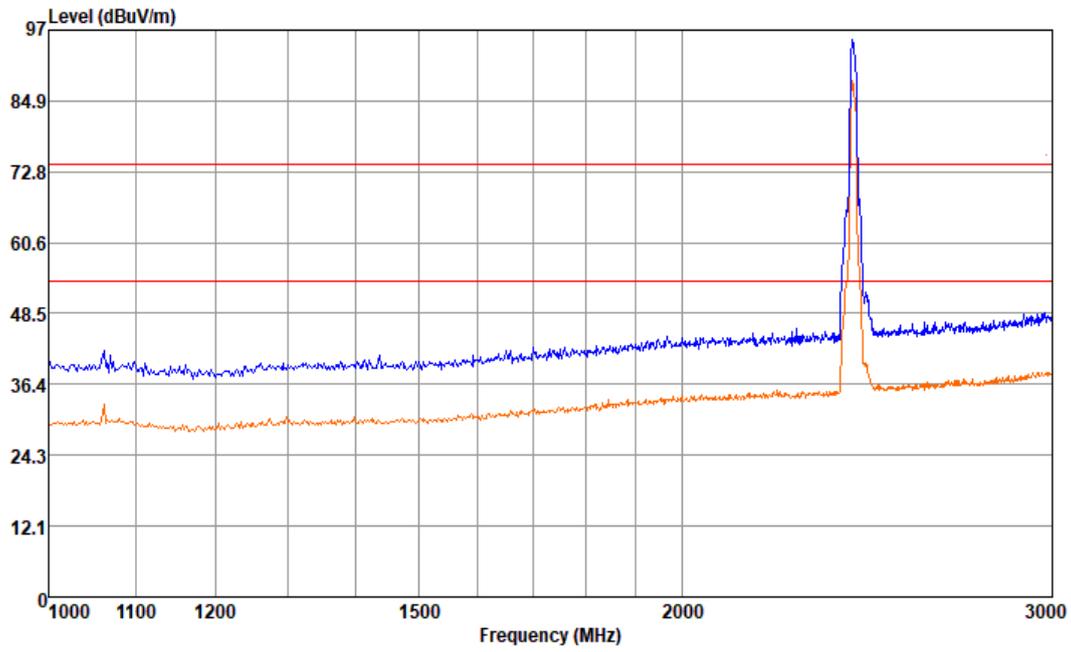
1.3.2.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector
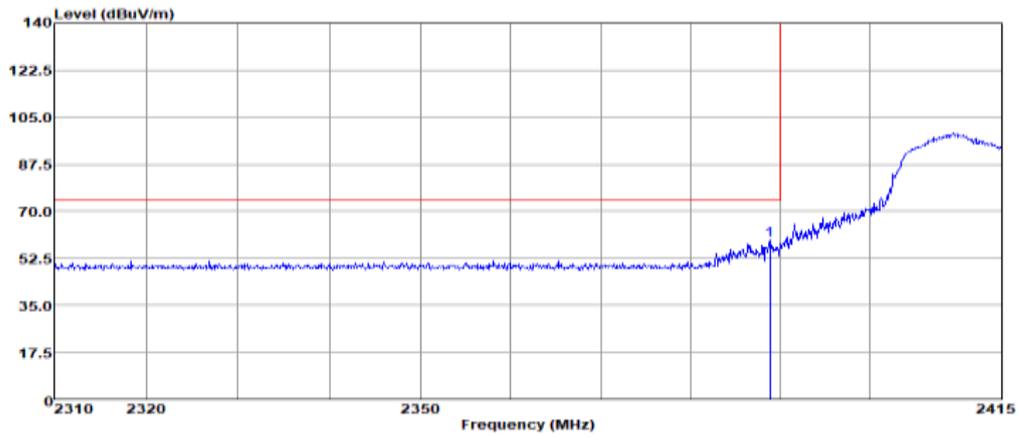
	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2388.86	59.14	-14.86	74.00	53.83	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.80	41.23	-12.77	54.00	35.92	31.50	6.81	33.00	Average

Note:

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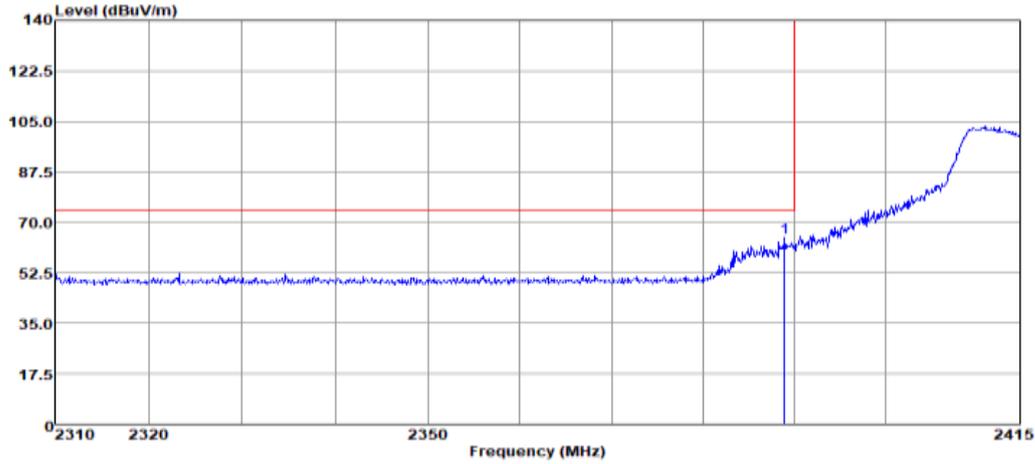
The reading level is calculated by software which is not shown in the sheet.
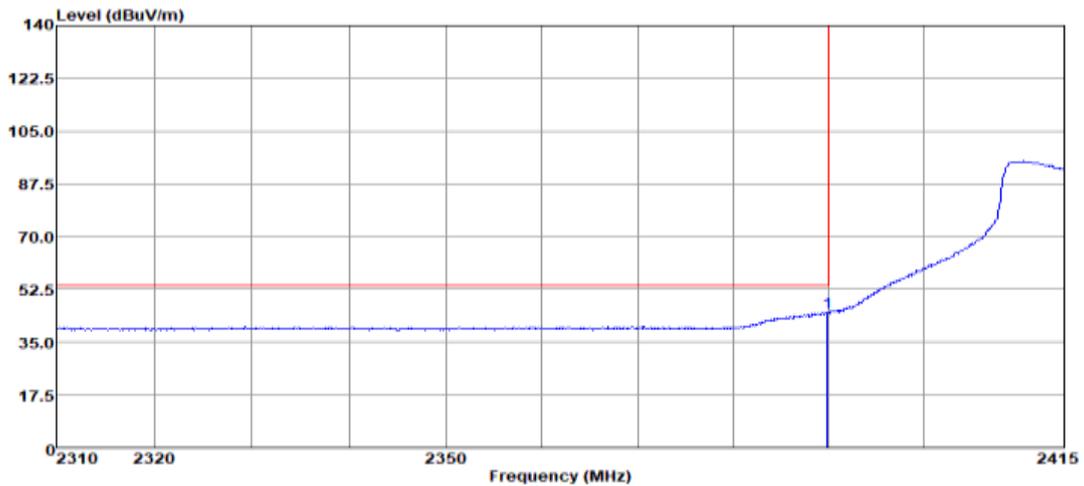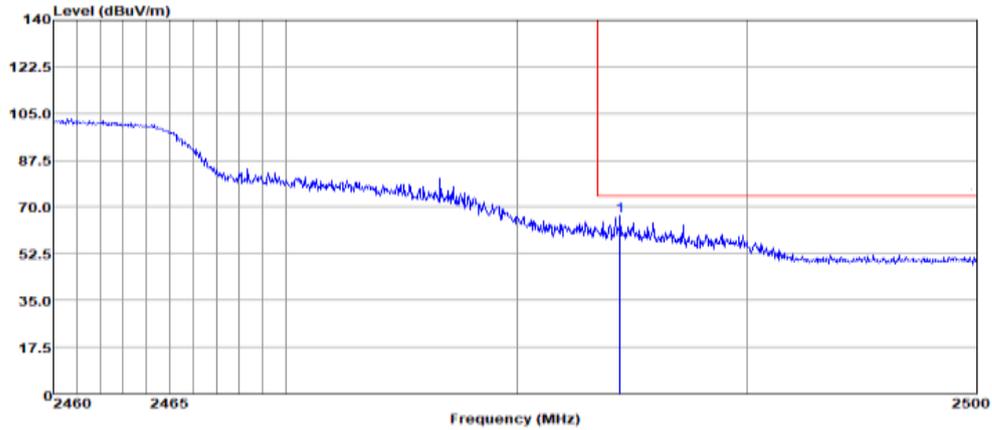
2, Margin=Limit - Level

1.3.2.2 Channel 2 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2388.96	64.76	-9.24	74.00	59.45	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.91	44.79	-9.21	54.00	39.48	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.
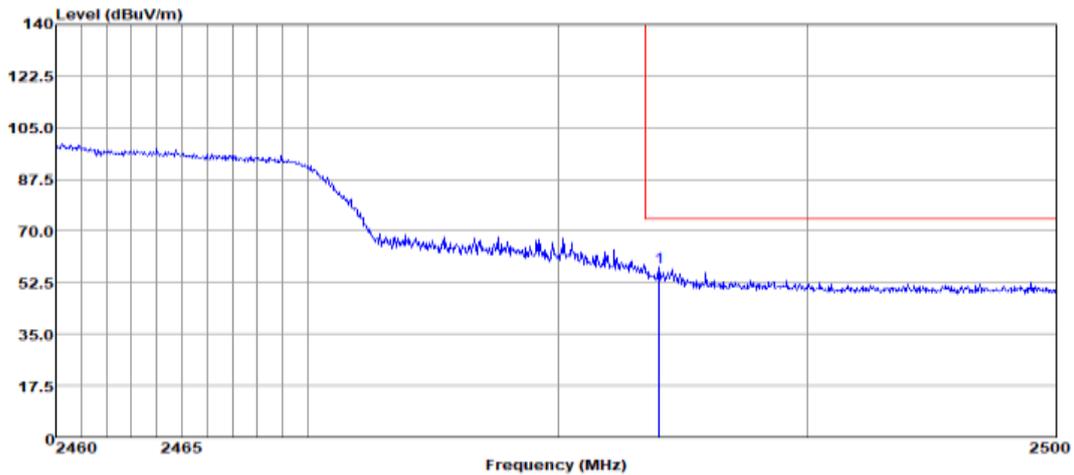
2, Margin=Limit - Level

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1.3.2.3 Channel 10 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2484.48	66.70	-7.30	74.00	60.93	31.86	6.91	33.00	Peak
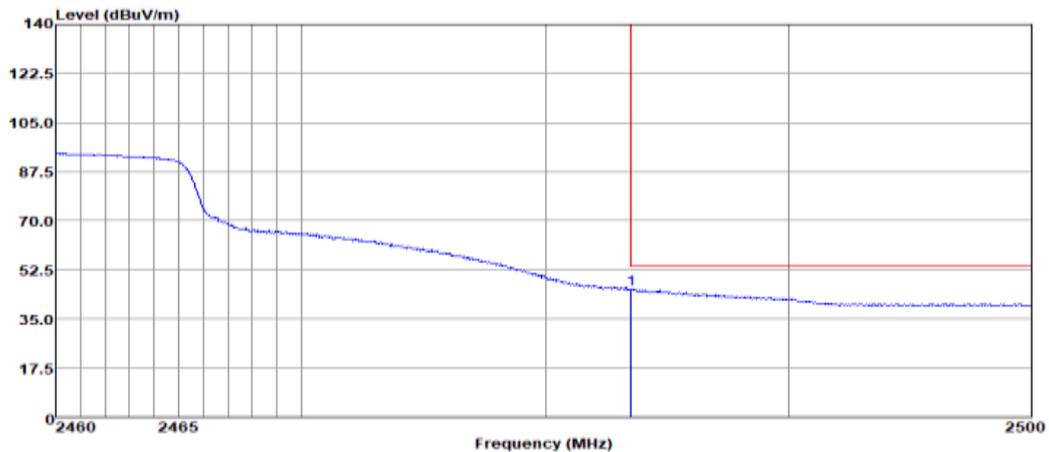
MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.52	45.53	-8.47	54.00	39.76	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

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1.3.2.4 Channel 11 @Ant 1

MEASUREMENT RESULT: PK Detector

Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp 2484.04	57.66	-16.34	74.00	51.89	31.86	6.91	33.00	Peak
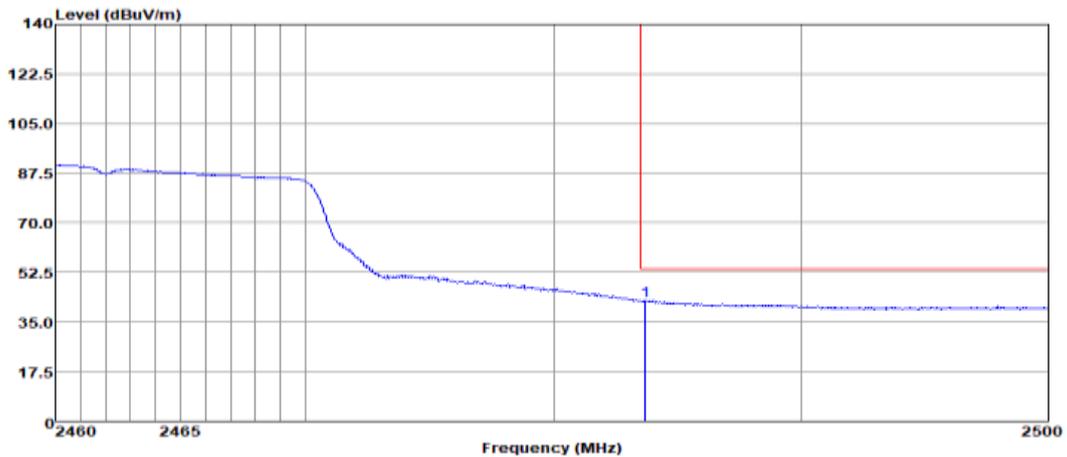
MEASUREMENT RESULT: AV Detector

Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp 2483.68	42.59	-11.41	54.00	36.82	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.
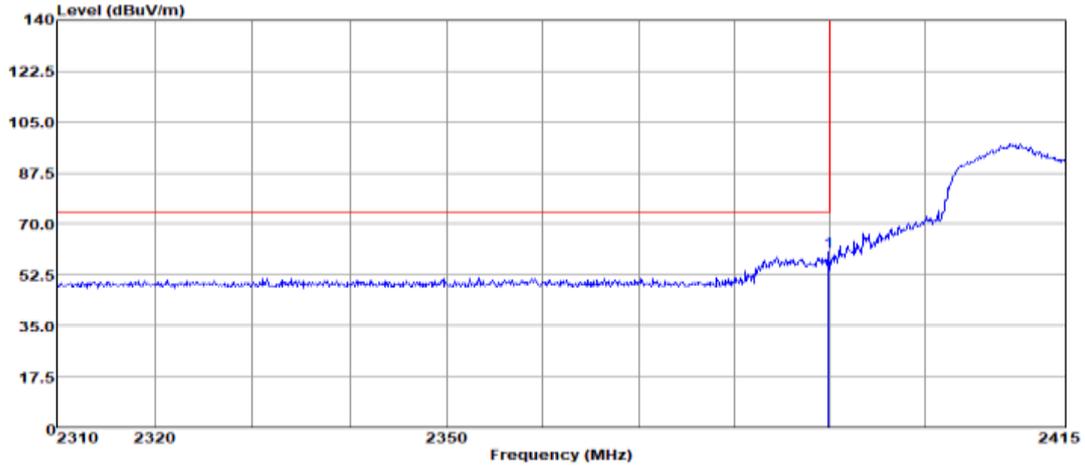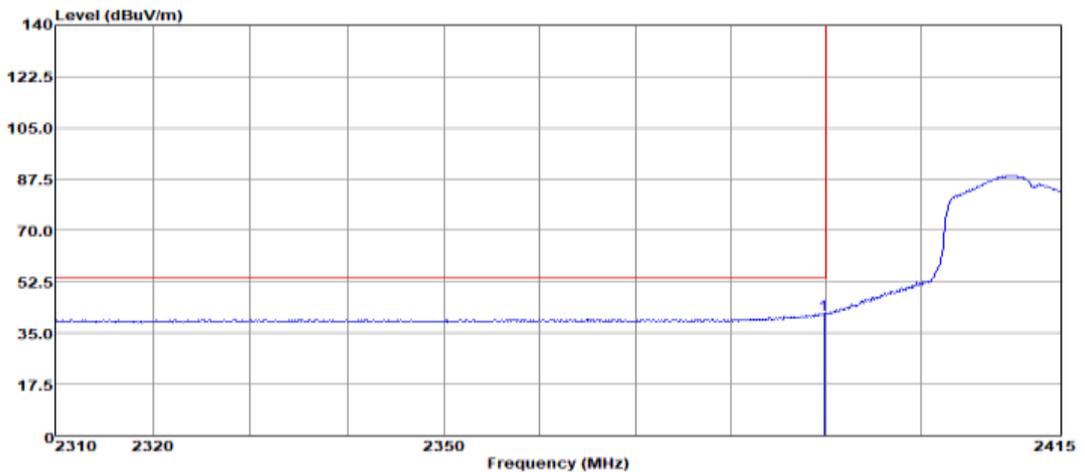
2, Margin=Limit - Level

1.3.3 Test Mode: 11N20
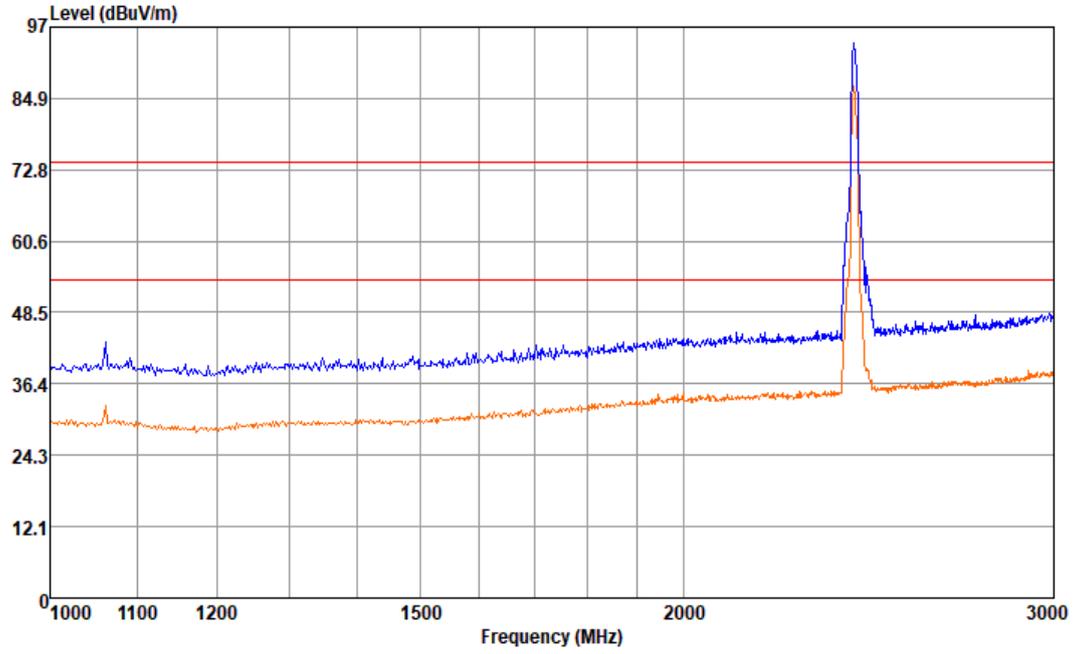
1.3.3.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.91	60.63	-13.37	74.00	55.32	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.80	41.26	-12.74	54.00	35.95	31.50	6.81	33.00	Average

Note:

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

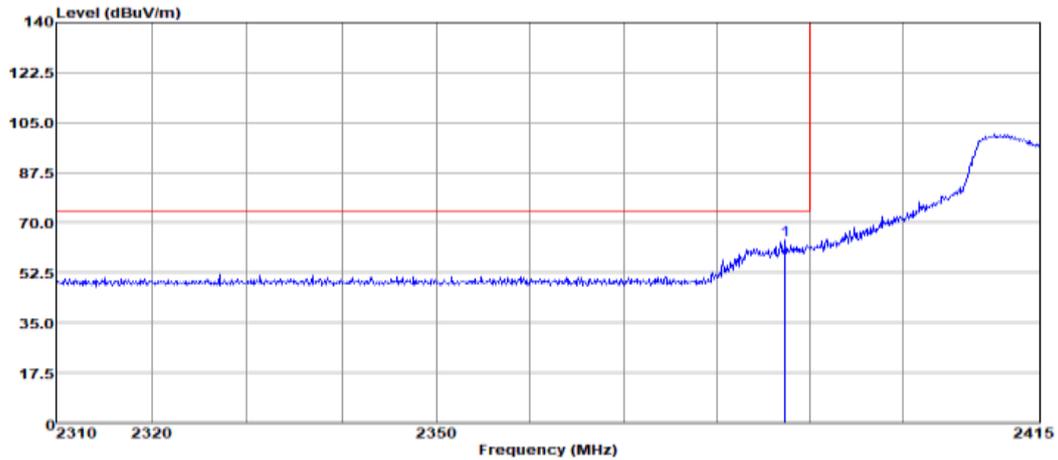The reading level is calculated by software which is not shown in the sheet.
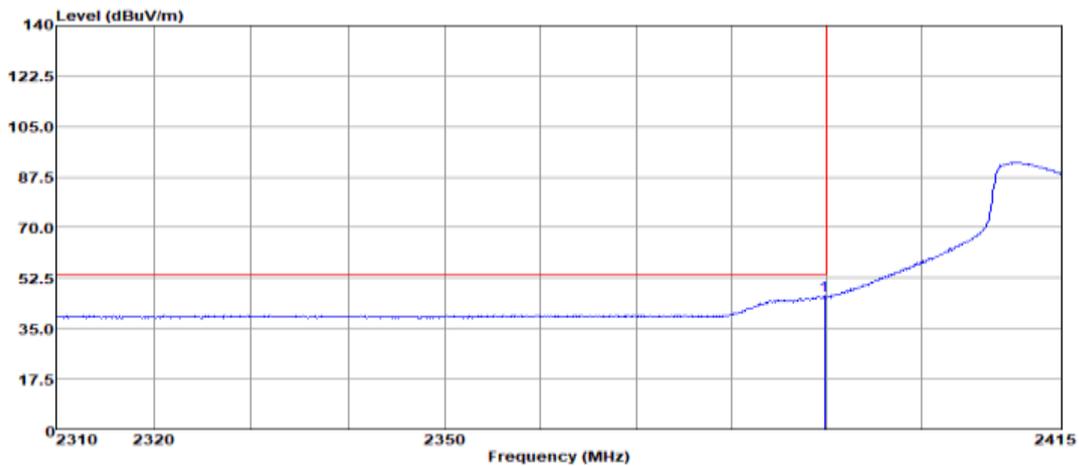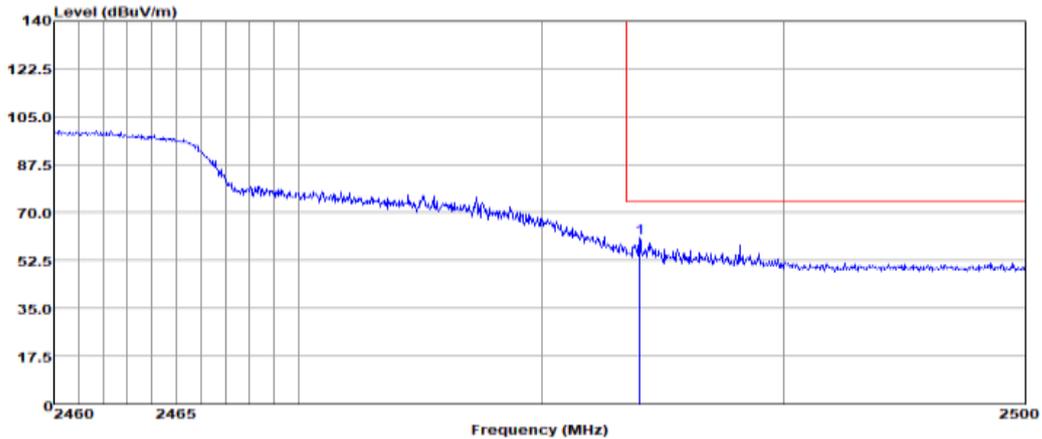
2, Margin=Limit – Level

1.3.3.2 Channel 2 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2387.39	64.06	-9.94	74.00	58.75	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.80	46.40	-7.60	54.00	41.09	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

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1.3.3.3 Channel 10 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2484.04	60.88	-13.12	74.00	55.11	31.86	6.91	33.00	Peak
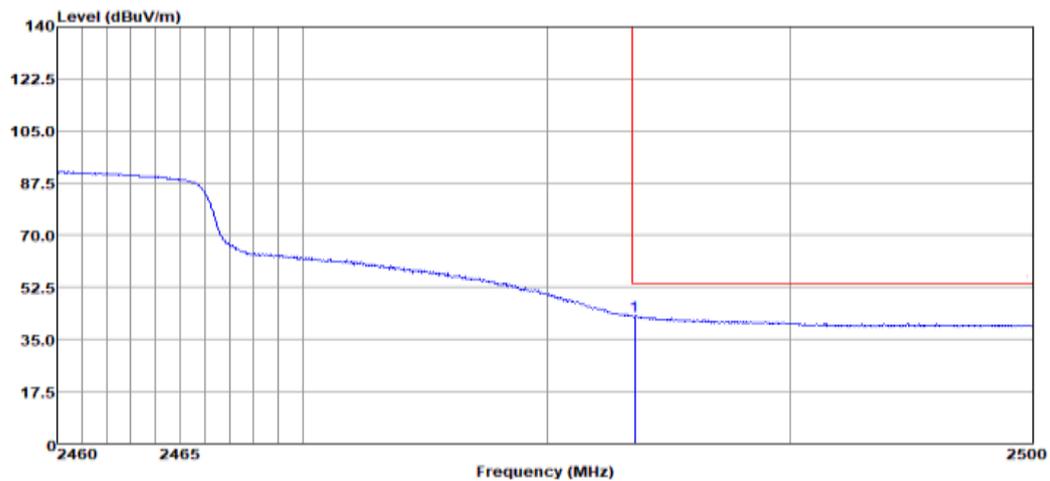
MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.60	42.89	-11.11	54.00	37.12	31.86	6.91	33.00	Average

Note:

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

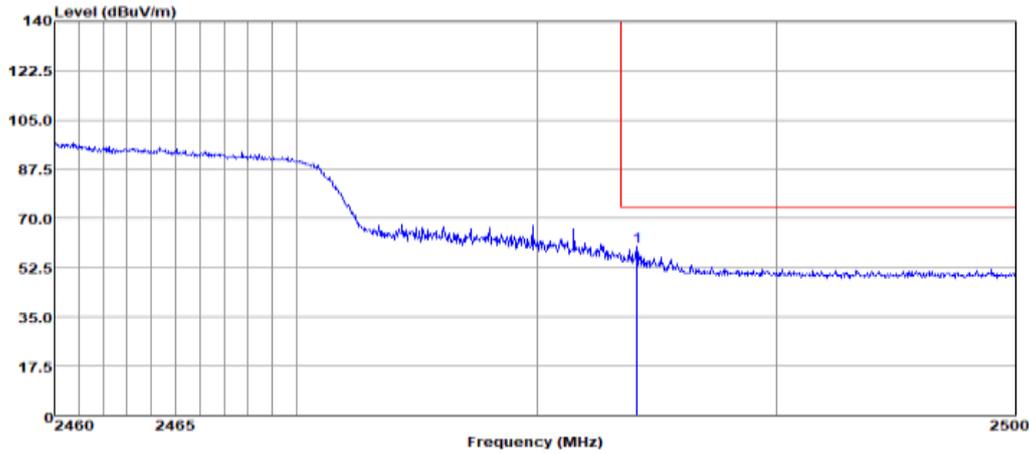The reading level is calculated by software which is not shown in the sheet.
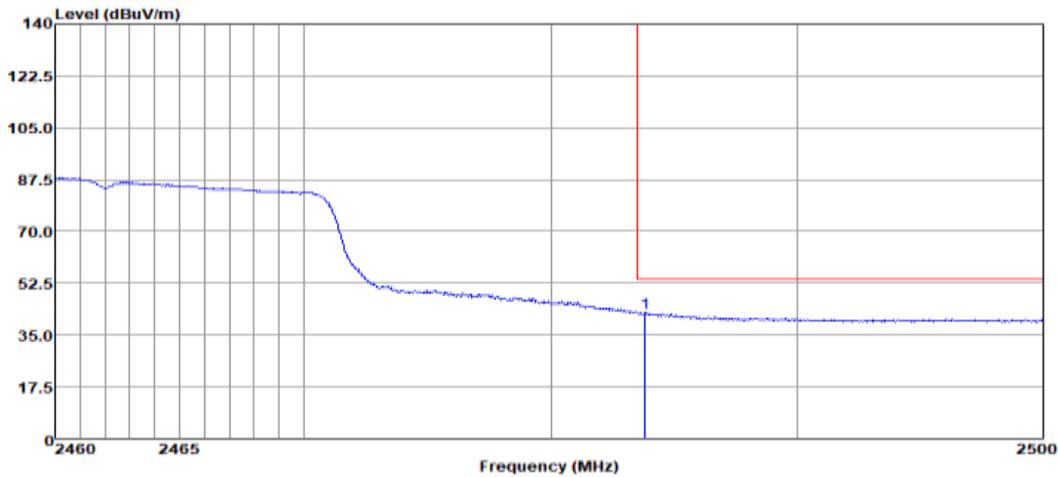
2, Margin=Limit – Level

1.3.3.4 Channel 11 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2484.16	59.90	-14.10	74.00	54.13	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV Detector

|	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.80	42.42	-11.58	54.00	36.65	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.
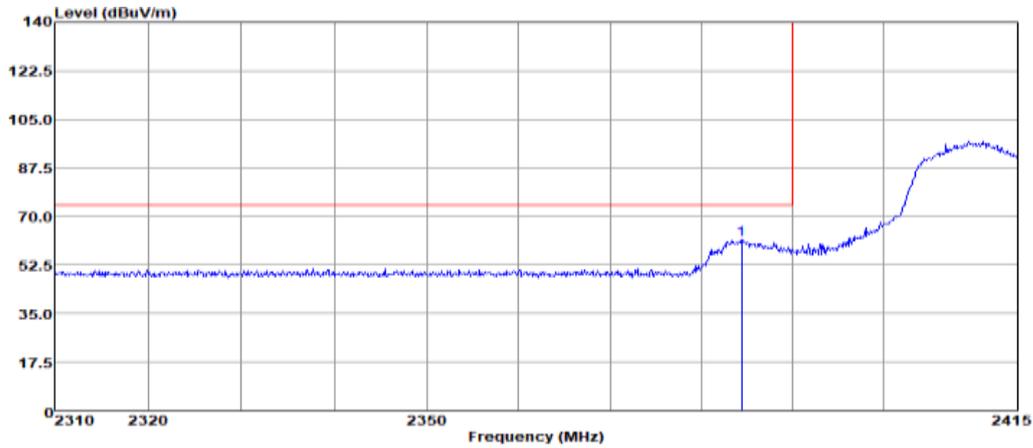
2, Margin=Limit - Level
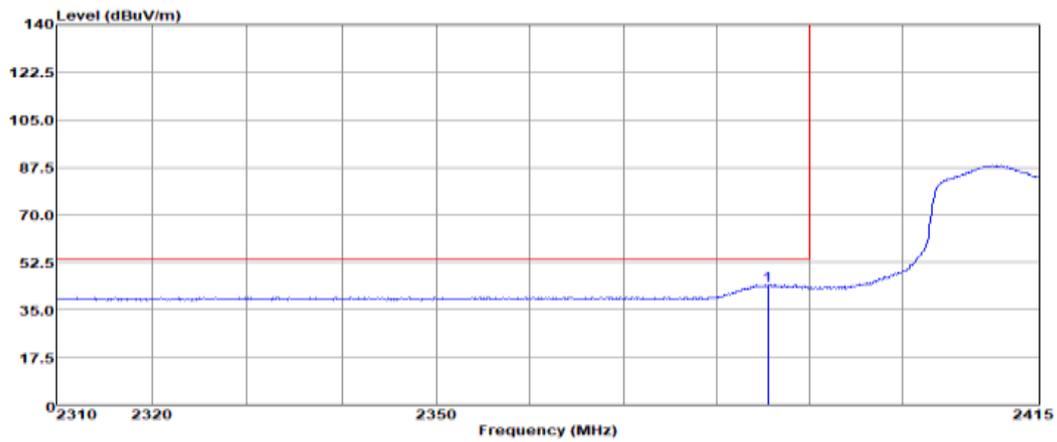
1.3.4 Test Mode: 11N40
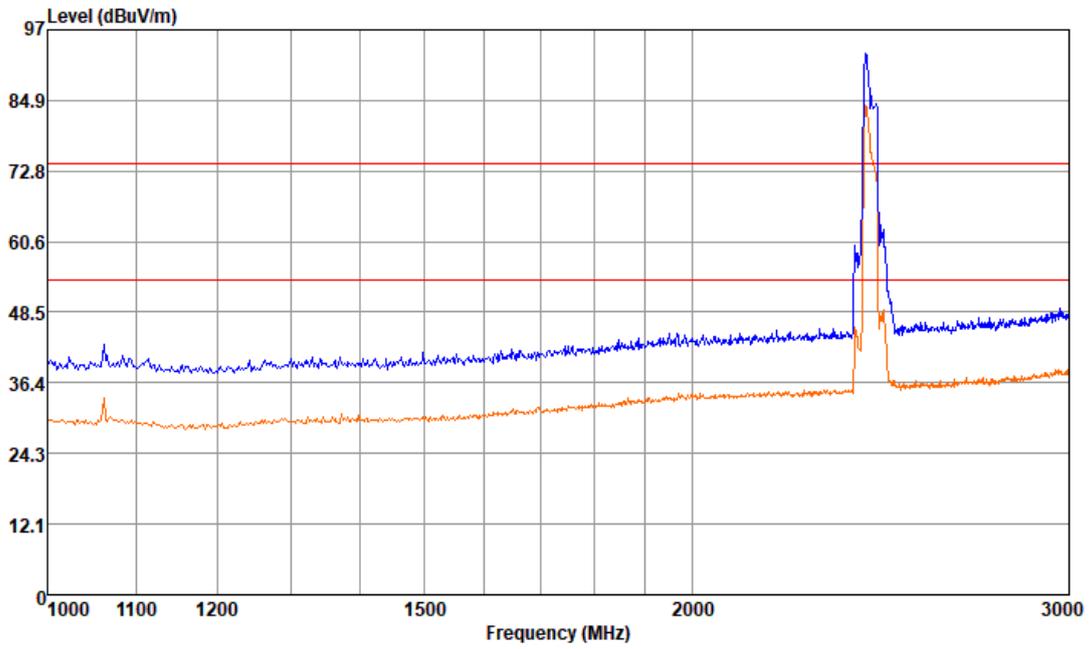
1.3.4.1 Channel 3 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2384.45	61.64	-12.36	74.00	56.39	31.52	6.73	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2385.50	44.08	-9.92	54.00	38.75	31.52	6.81	33.00	Average

Note:

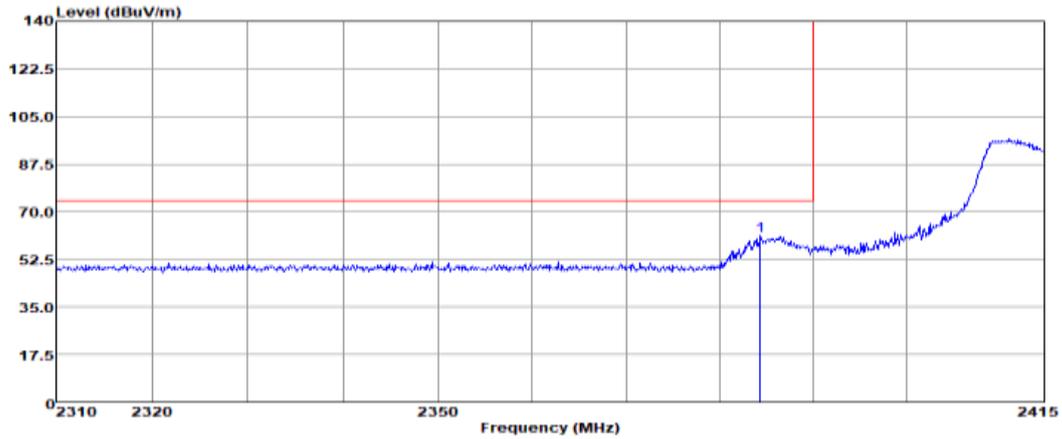1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit – Level

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1.3.4.2 Channel 4 @Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2384.34	61.11	-12.89	74.00	55.86	31.52	6.73	33.00	Peak
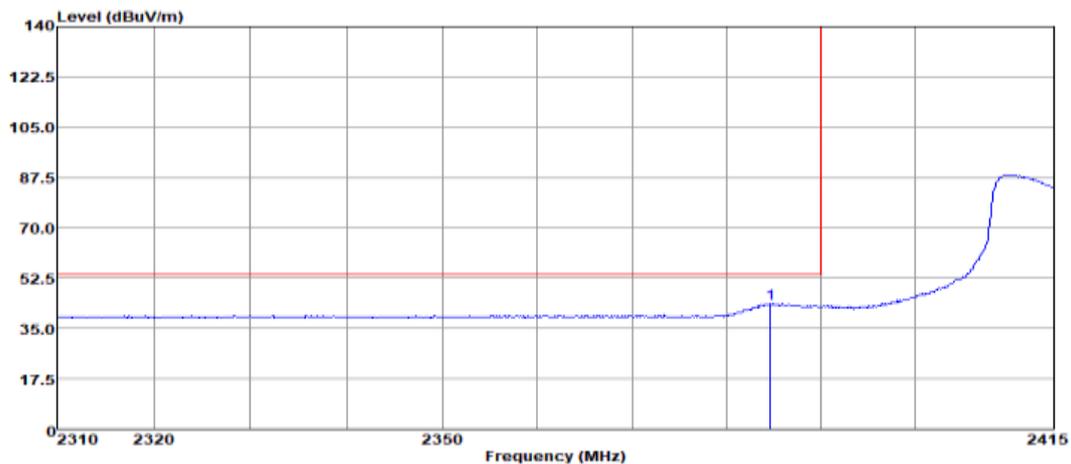
MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2384.66	43.61	-10.39	54.00	38.28	31.52	6.81	33.00	Average

Note:

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

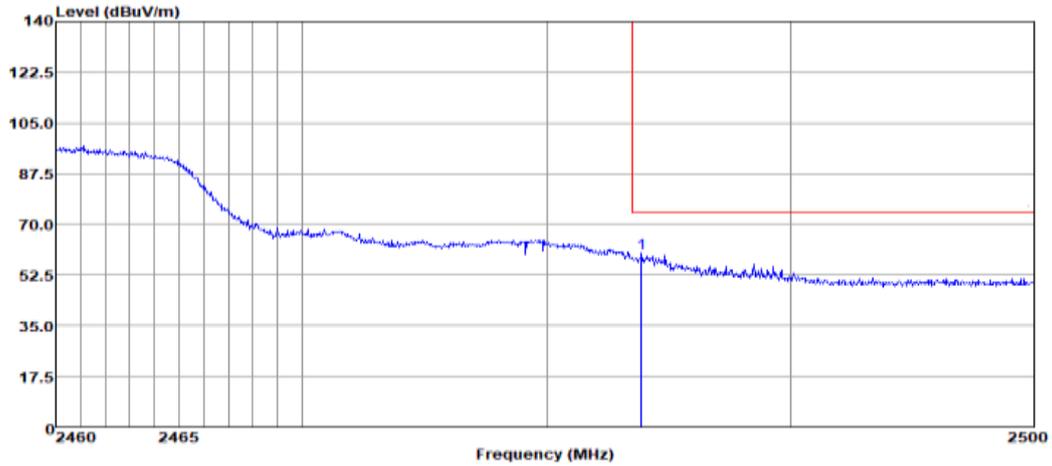The reading level is calculated by software which is not shown in the sheet.
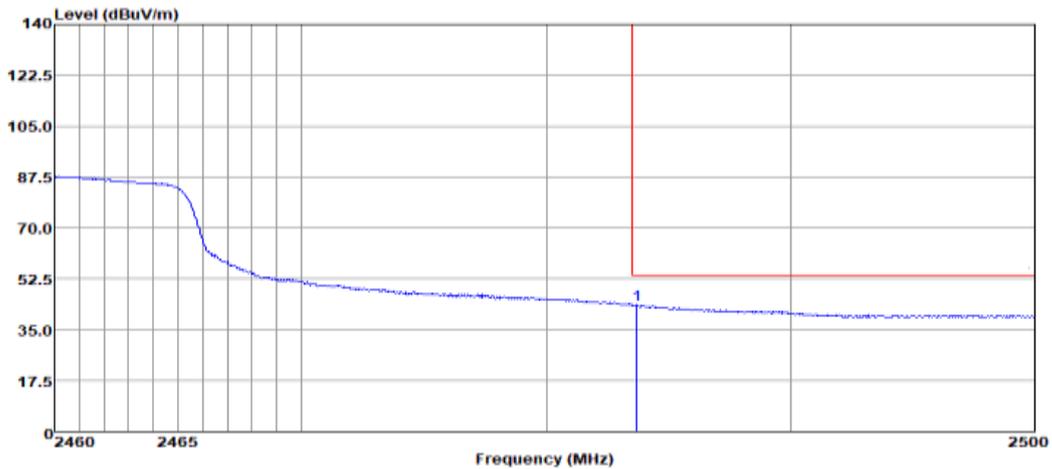
2, Margin=Limit – Level

1.3.4.3 Channel 8@Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.88	60.05	-13.95	74.00	54.28	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.68	43.56	-10.44	54.00	37.79	31.86	6.91	33.00	Average

Note:

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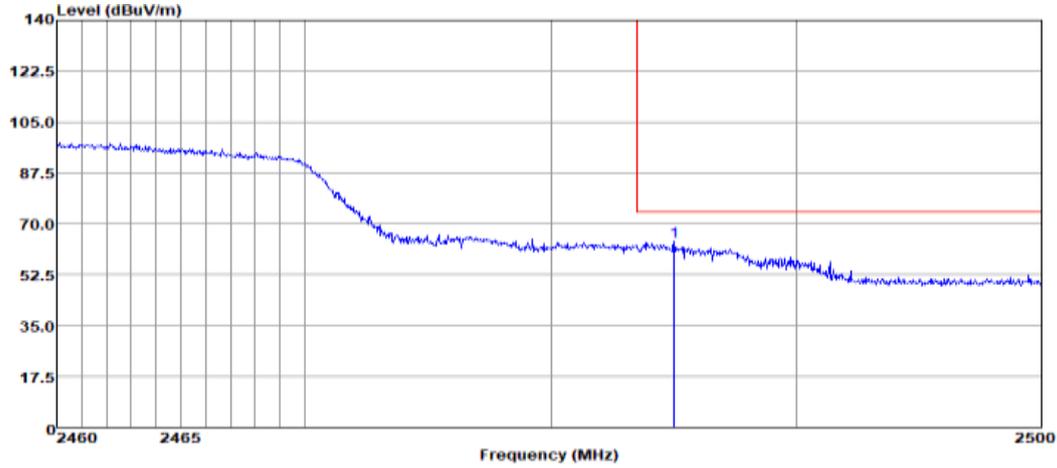
The reading level is calculated by software which is not shown in the sheet.
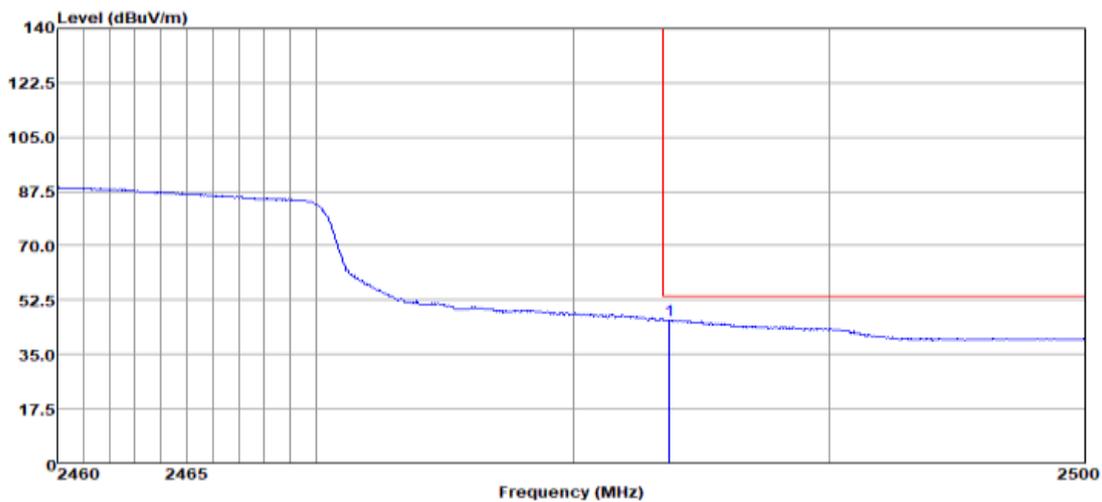
2, Margin=Limit - Level

1.3.4.4 Channel 9@Ant 1

MEASUREMENT RESULT: PK Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2485.00	64.09	-9.91	74.00	58.32	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV Detector

	Freq	Level	Over Limit	Limit Line	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.76	46.20	-7.80	54.00	40.43	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.
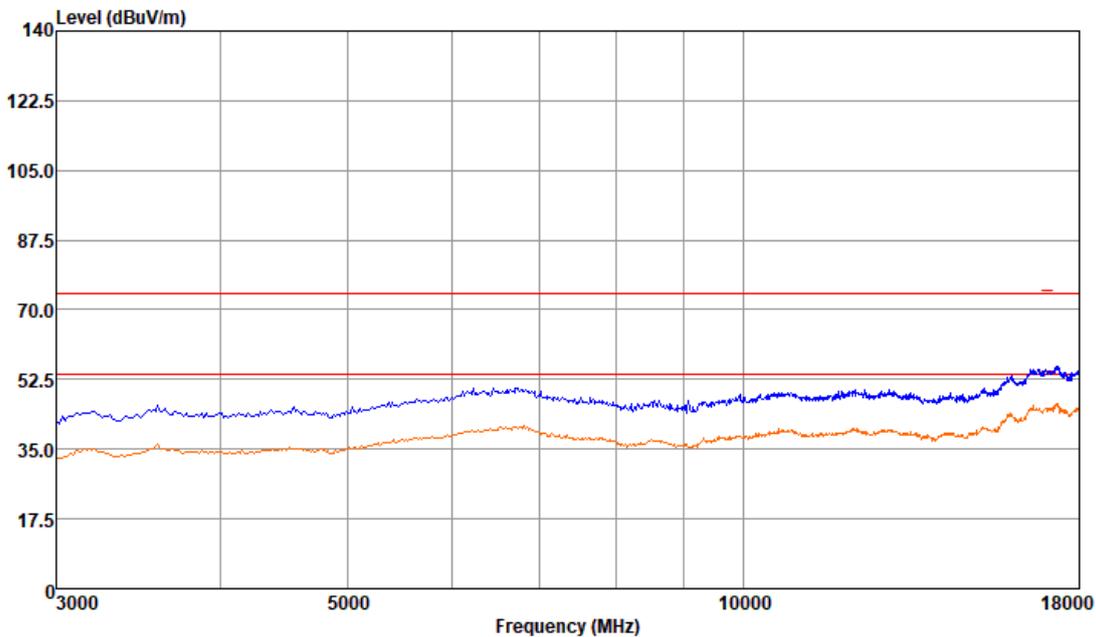
2, Margin=Limit - Level

1.4 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 dBμV/m) and Average Limit (54 dBμV/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.

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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 dBμV/m) and Average Limit (54 dBμV/m).
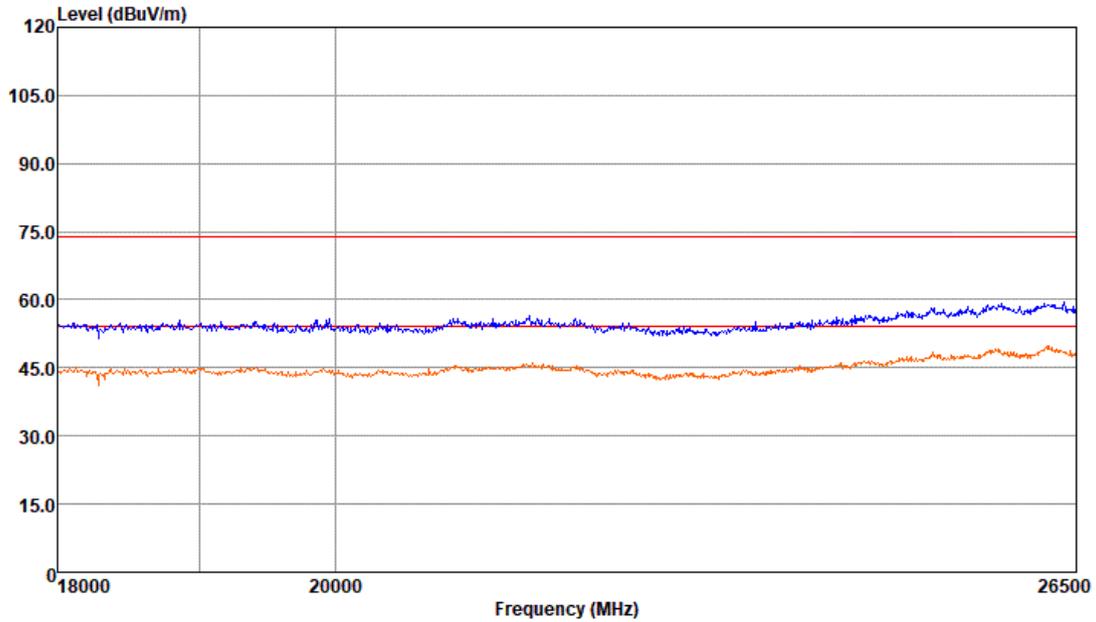
Appendix I: Conducted Emission at Power Port

Note: RBW =9 kHz, VBW = 30 kHz
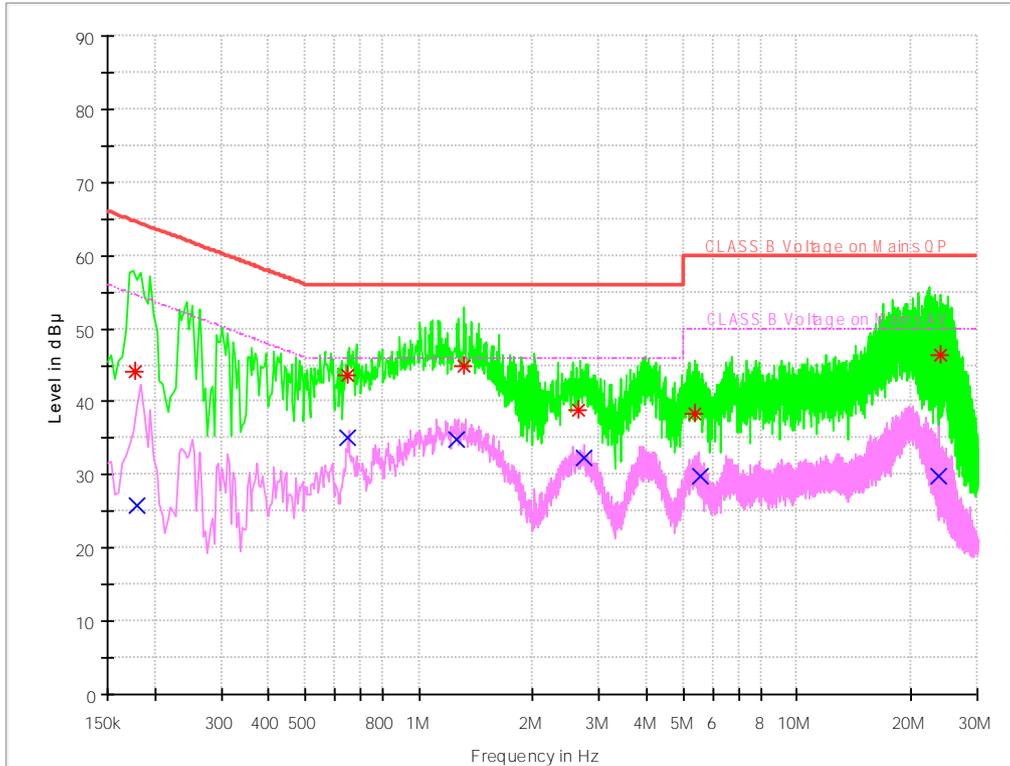
MEASUREMENT RESULT: PK Detector

Frequency (MHz)	Level (dBμV)	Limit (dBμV)	Transd. (dB)	Margin (dB)	Line	PE
0.177124	44.03	64.62	9.7	20.59	N	FLO
0.648056	43.63	56	9.7	12.37	L1	FLO
1.316067	45	56	9.8	11	L1	FLO
2.654503	38.85	56	9.9	17.15	L1	FLO
5.355038	38.33	60	10.1	21.67	L1	FLO
23.911766	46.27	60	12.3	13.73	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dBμV)	Limit (dBμV)	Transd. (dB)	Margin (dB)	Line	PE

0.179227	25.71	54.52	28.81	9.7	N	FLO
0.6495	34.99	46	11.01	9.7	L1	FLO
1.26227	34.97	46	11.03	9.8	L1	FLO
2.717388	32.3	46	13.7	9.9	L1	FLO
5.530008	29.81	50	20.19	10.2	L1	FLO
23.61523	29.79	50	20.21	12.2	L1	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