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	2407.960	2416.120	---	PASS
		2437	8.600	2432.480	2441.080	---	PASS
		2462	8.080	2457.960	2466.040	---	PASS
11G	Ant1	2412	15.760	2404.480	2420.240	---	PASS
		2417	15.480	2409.480	2424.960	---	PASS
		2437	16.440	2428.760	2445.200	---	PASS
		2457	15.800	2449.400	2465.200	---	PASS
		2462	15.720	2454.480	2470.200	---	PASS
11N20SISO	Ant1	2412	16.360	2404.480	2420.840	---	PASS
		2417	16.880	2408.960	2425.840	---	PASS
		2437	17.760	2428.080	2445.840	---	PASS
		2457	16.440	2449.400	2465.840	---	PASS
		2462	15.120	2455.080	2470.200	---	PASS
11N40SISO	Ant1	2422	34.240	2405.360	2439.600	---	PASS
		2427	35.280	2409.400	2444.680	---	PASS
		2437	36.080	2418.760	2454.840	---	PASS
		2447	34.640	2430.600	2465.240	---	PASS
		2452	34.400	2435.600	2470.000	---	PASS

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

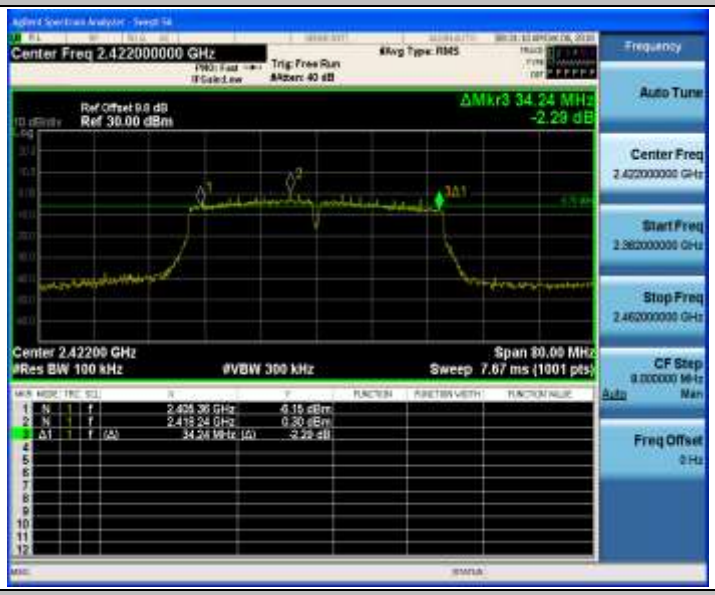
11N20SISO_Ant1_2417

11N20SISO_Ant1_2437

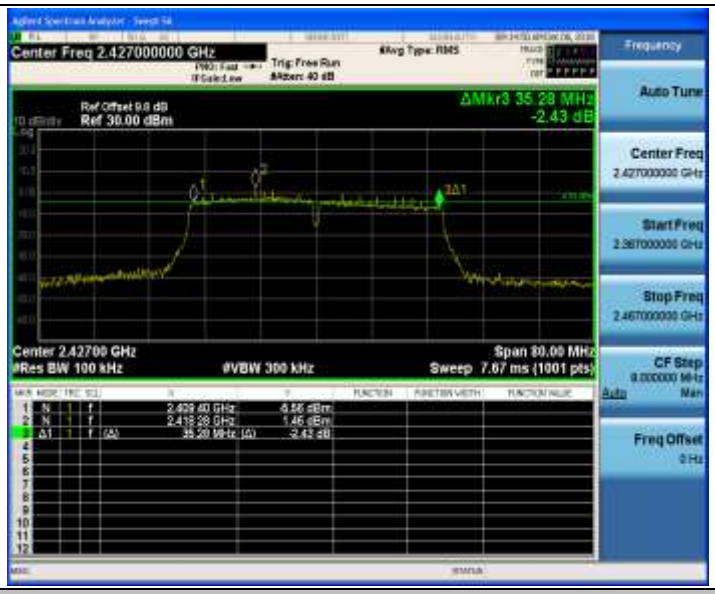
11N20SISO_Ant1_2457

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422



11N40SISO_Ant1_2427



11N40SISO_Ant1_2437

11N40SISO_Ant1_2447

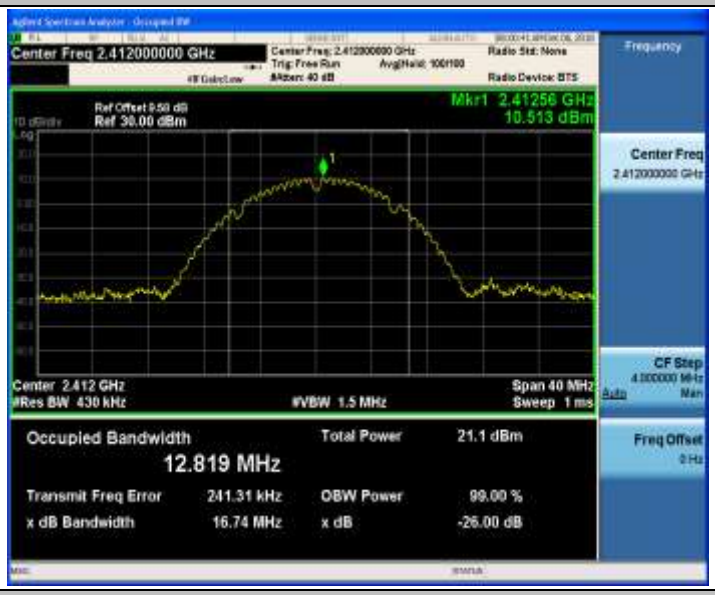
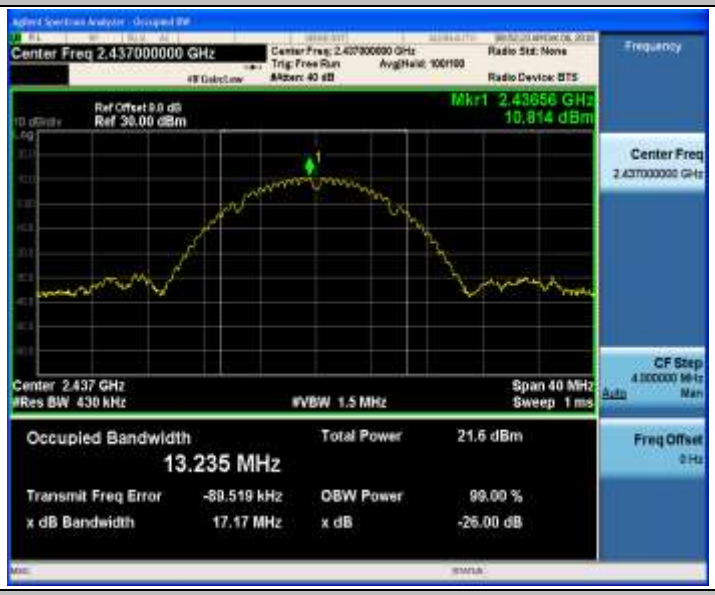
11N40SISO_Ant1_2452

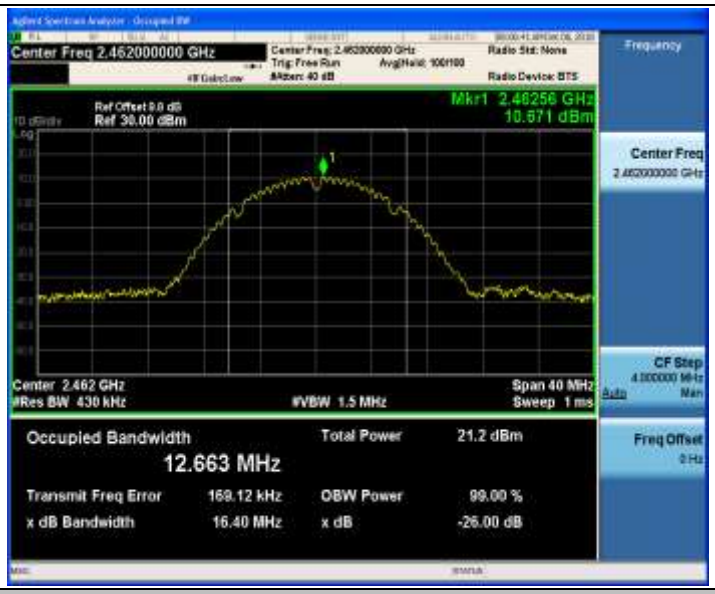
Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Channel	OCB [MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
11B	Ant1	2412	12.819	2405.832	2418.651	---	PASS
		2437	13.235	2430.293	2443.528	---	PASS
		2462	12.663	2455.838	2468.501	---	PASS
11G	Ant1	2412	17.016	2403.667	2420.683	---	PASS
		2417	17.003	2408.607	2425.610	---	PASS
		2437	17.252	2428.281	2445.533	---	PASS
		2457	17.040	2448.701	2465.741	---	PASS
		2462	16.816	2453.651	2470.467	---	PASS
11N20SISO	Ant1	2412	18.004	2403.138	2421.142	---	PASS
		2417	17.977	2408.074	2426.051	---	PASS
		2437	18.297	2427.783	2446.080	---	PASS
		2457	17.984	2448.218	2466.202	---	PASS
		2462	17.872	2453.118	2470.990	---	PASS
11N40SISO	Ant1	2422	36.193	2403.945	2440.138	---	PASS
		2427	36.236	2408.873	2445.109	---	PASS
		2437	36.919	2418.540	2455.459	---	PASS
		2447	36.883	2428.775	2465.658	---	PASS
		2452	36.456	2433.979	2470.435	---	PASS

Test Graphs

11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462



11G_Ant1_2412

11G_Ant1_2417

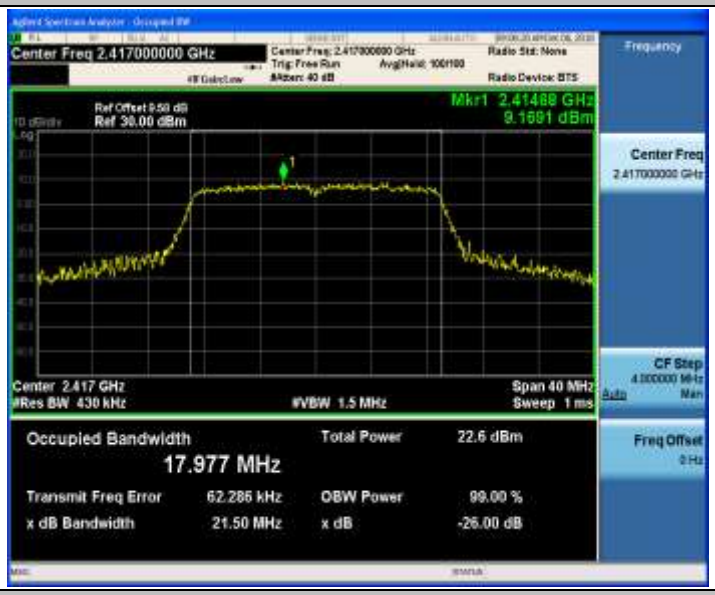
11G_Ant1_2437

11G_Ant1_2457

11G_Ant1_2462

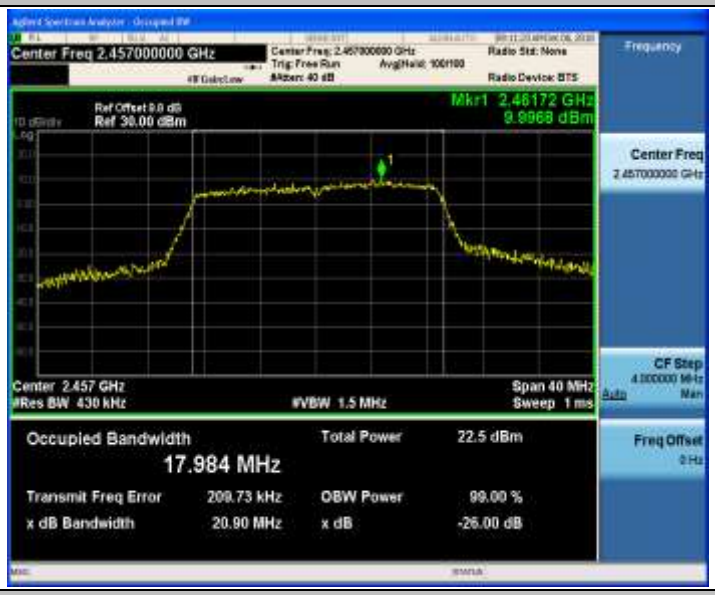
11N20SISO_Ant1_2412

11N20SISO_Ant1_2417



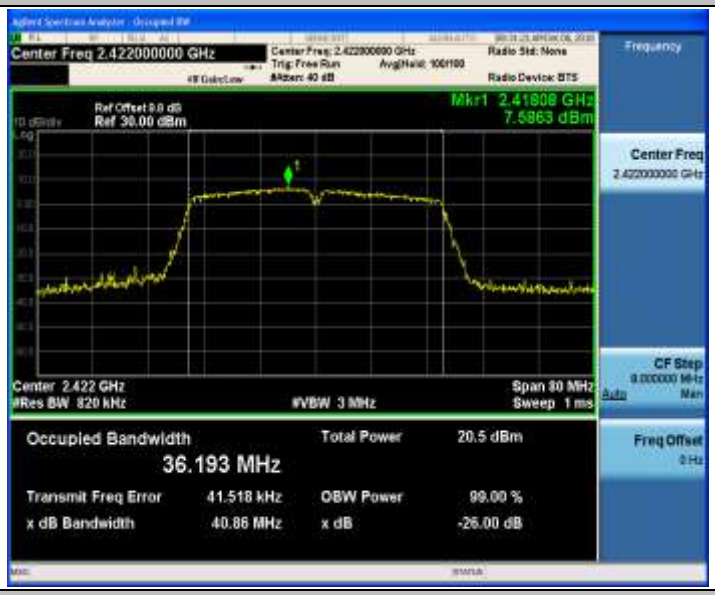
11N20SISO_Ant1_2437

11N20SISO_Ant1_2457

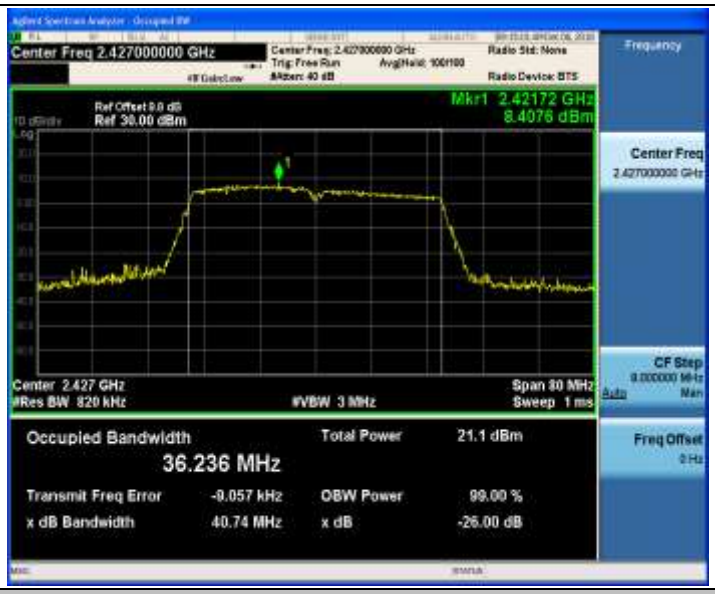


11N20SISO_Ant1_2462

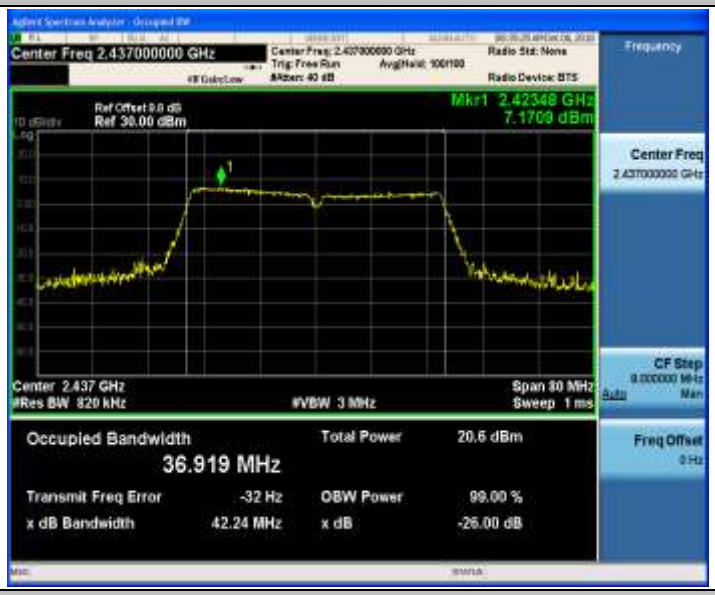
11N40SISO_Ant1_2422



11N40SISO_Ant1_2427

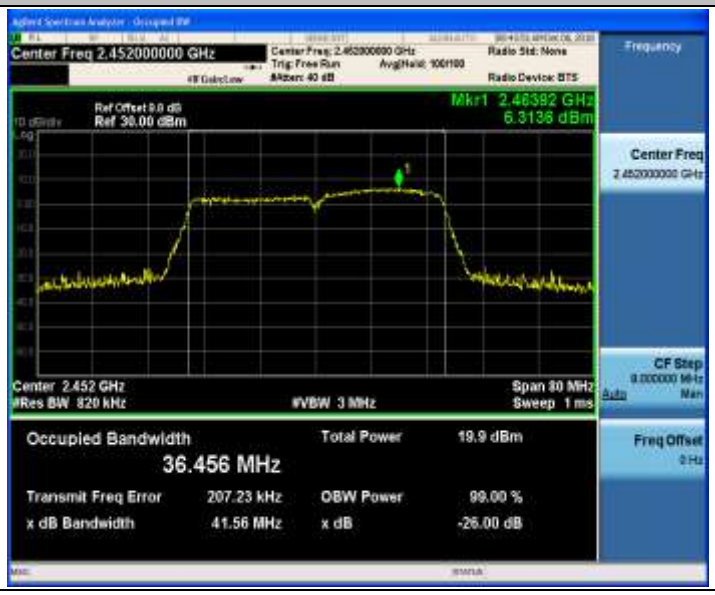


11N40SISO_Ant1_2437



11N40SISO_Ant1_2447

11N40SISO_Ant1_2452

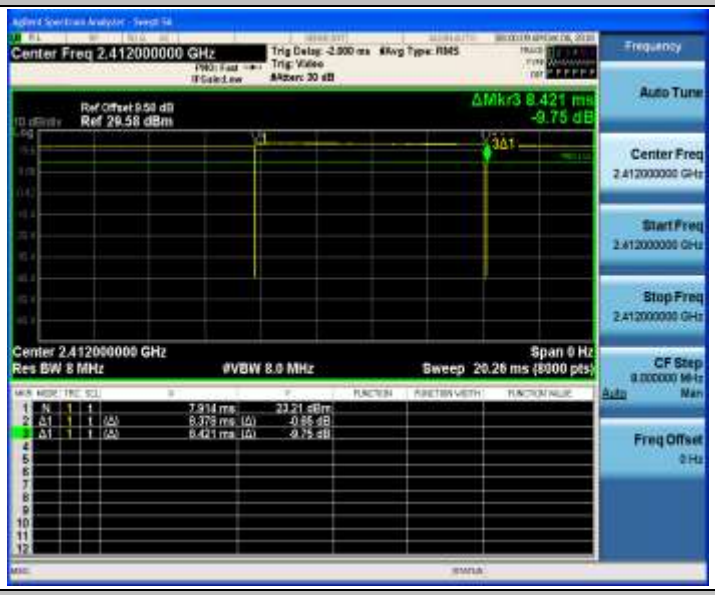
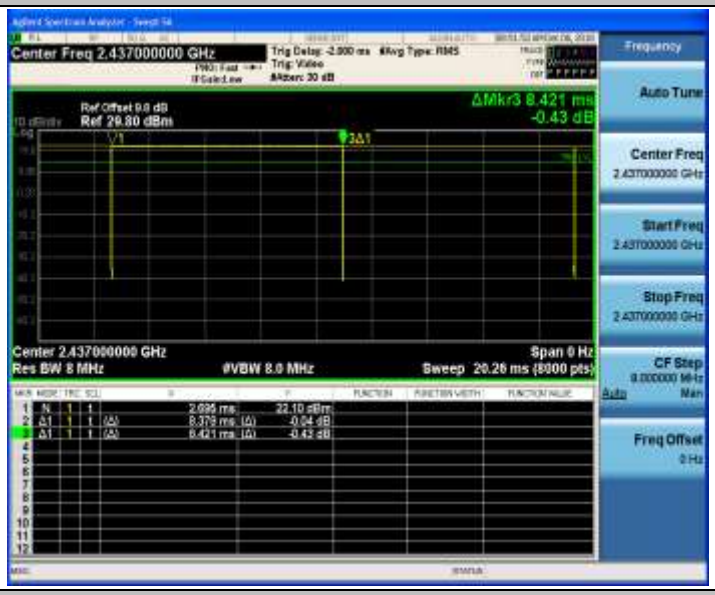


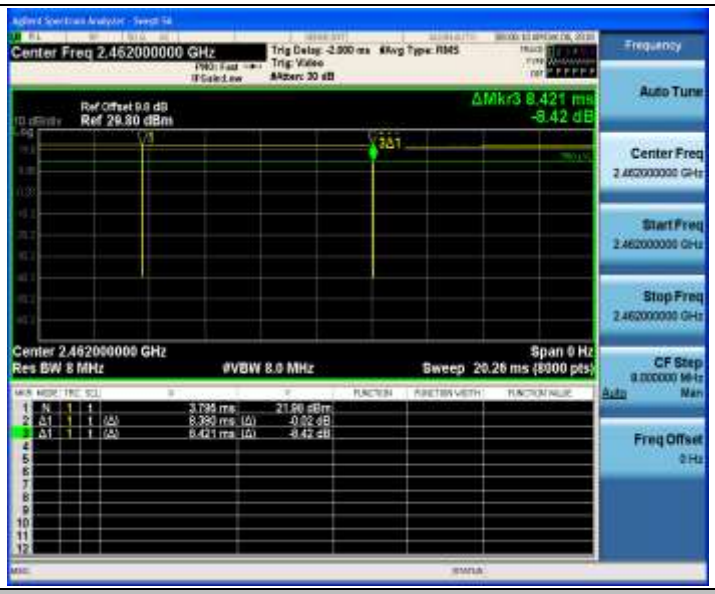
Appendix C: Duty Cycle

Test Result

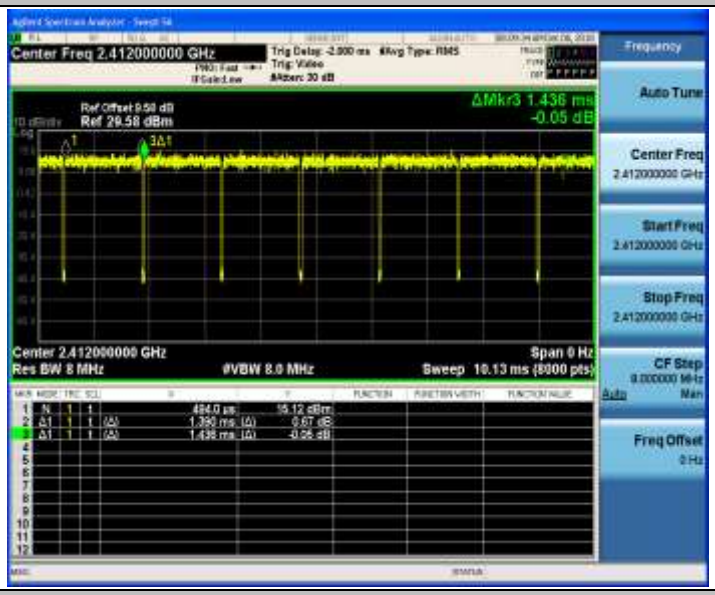
TestMode	Antenna	Channel	Transmission Duration [ms]	Transmission Period [ms]	Duty Cycle [%]
11B	Ant1	2412	8.38	8.42	99.49
		2437	8.38	8.42	99.49
		2462	8.38	8.42	99.52
11G	Ant1	2412	1.39	1.44	96.74
		2417	1.39	1.44	96.74
		2437	1.39	1.44	96.74
		2457	1.39	1.44	96.74
		2462	1.39	1.44	96.74
11N20SISO	Ant1	2412	1.30	1.35	96.52
		2417	1.30	1.35	96.52
		2437	1.30	1.34	96.51
		2457	1.30	1.34	96.51
		2462	1.30	1.35	96.42
11N40SISO	Ant1	2422	2.44	3.74	65.24
		2427	2.44	3.74	65.09
		2437	2.44	3.73	65.42
		2447	2.44	3.73	65.28
		2452	2.44	3.74	65.24

Test Graphs

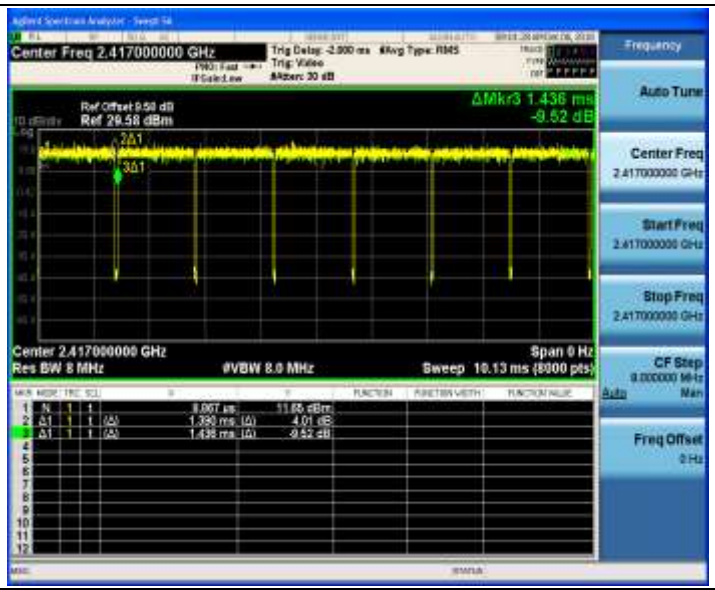
11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462



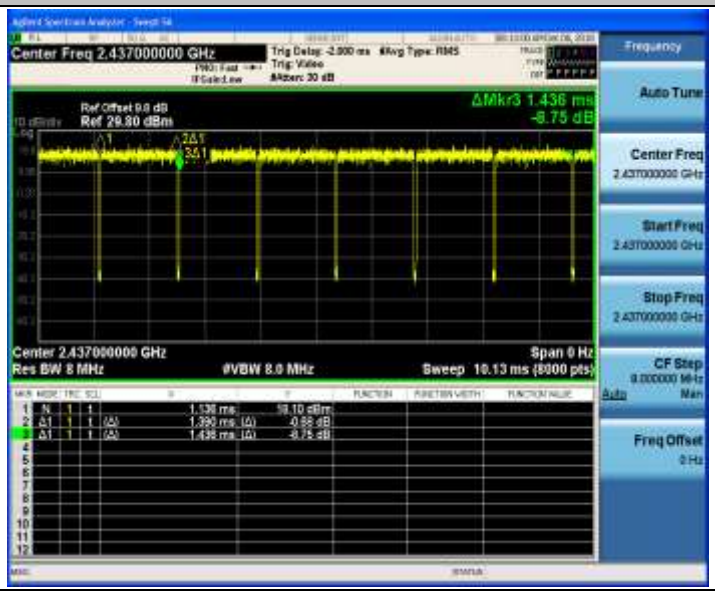
11G_Ant1_2412



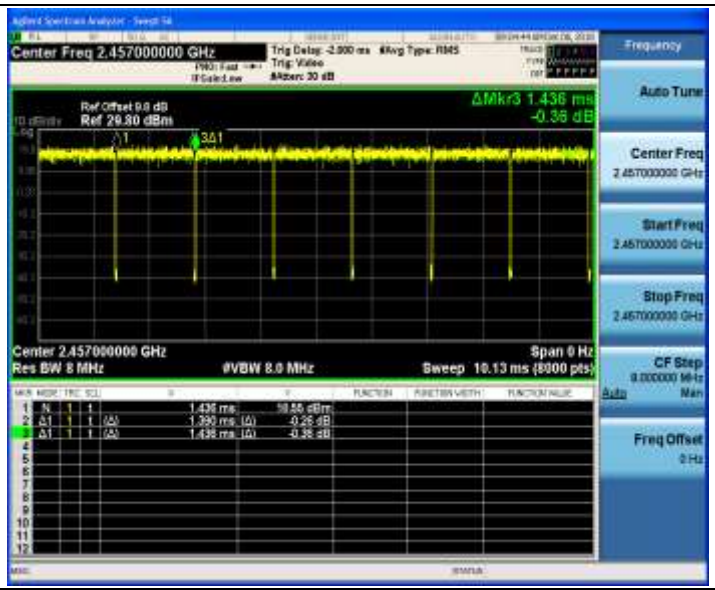
11G_Ant1_2417



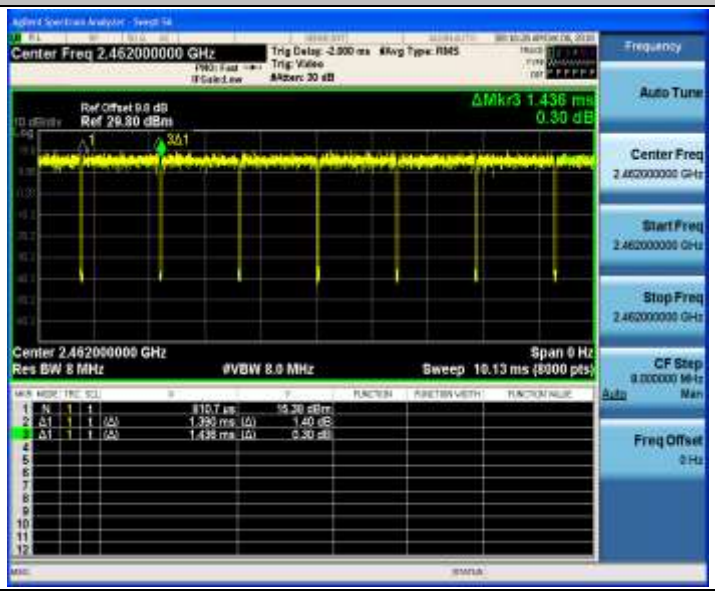
11G_Ant1_2437



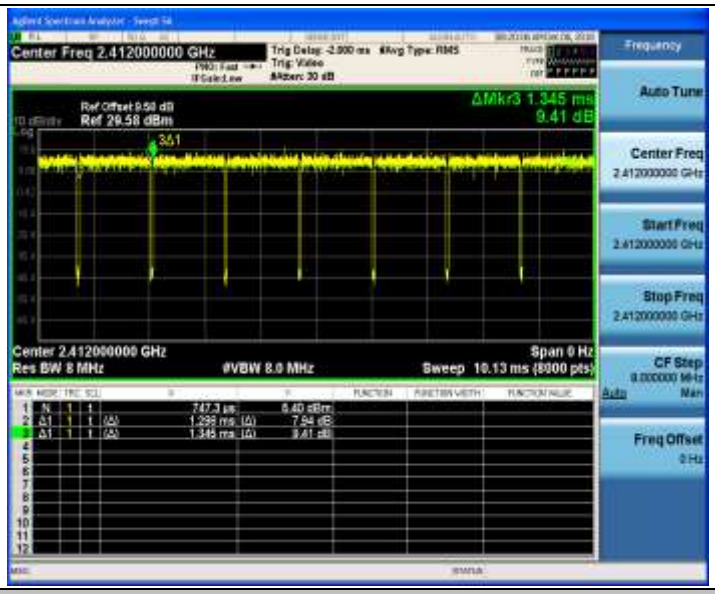
11G_Ant1_2457



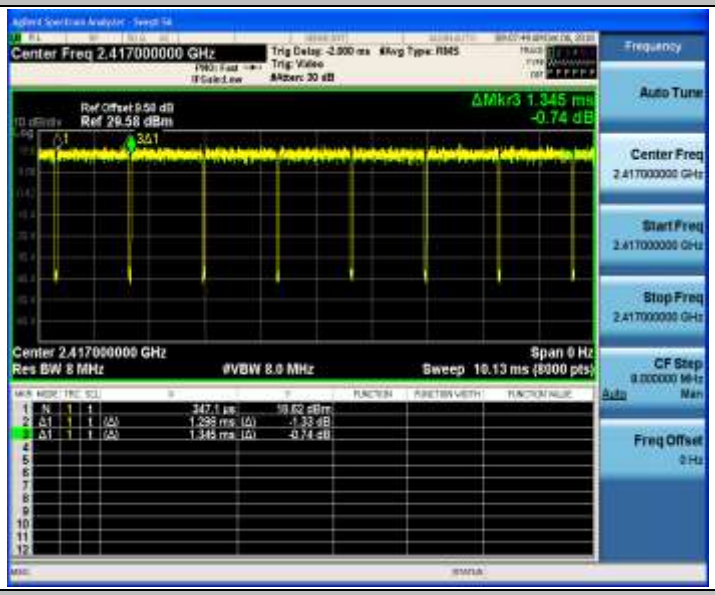
11G_Ant1_2462



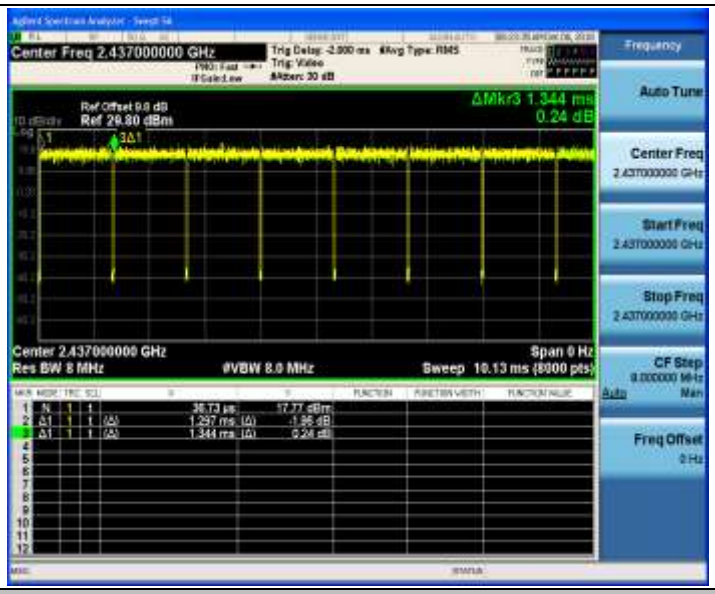
11N20SISO_Ant1_2412



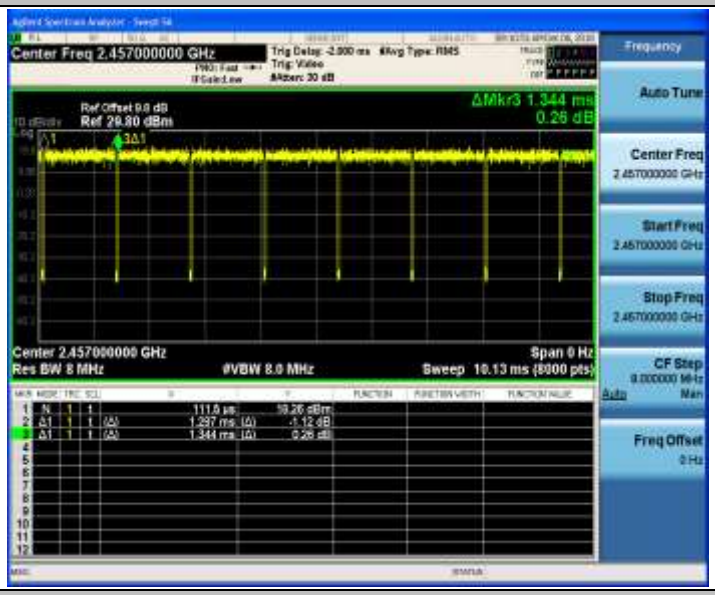
11N20SISO_Ant1_2417



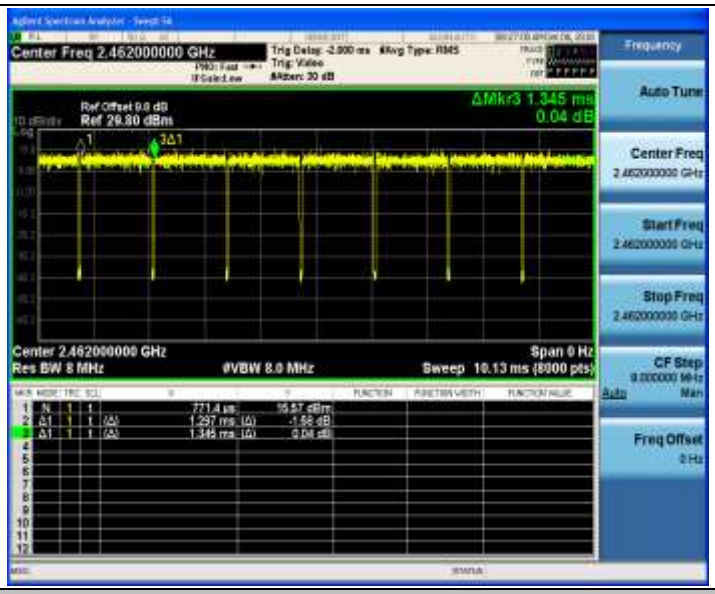
11N20SISO_Ant1_2437



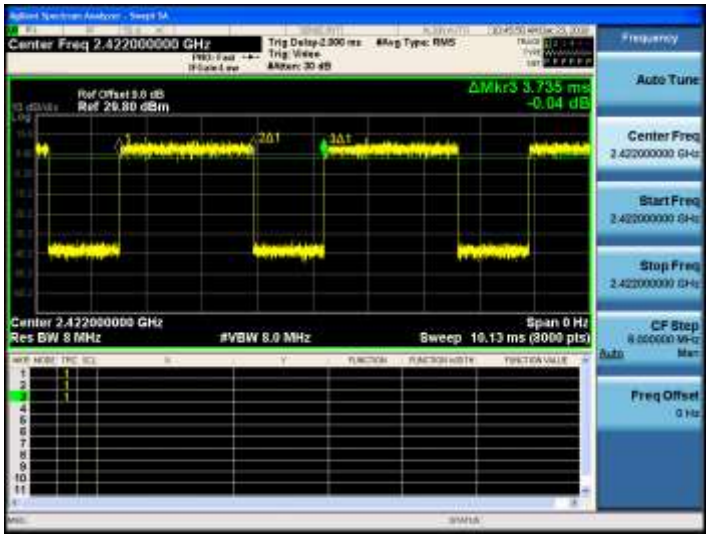
11N20SISO_Ant1_2457



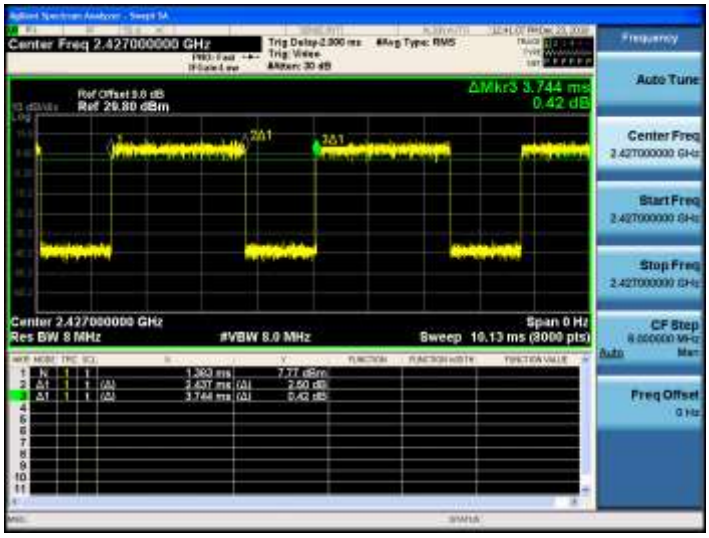
11N20SISO_Ant1_2462



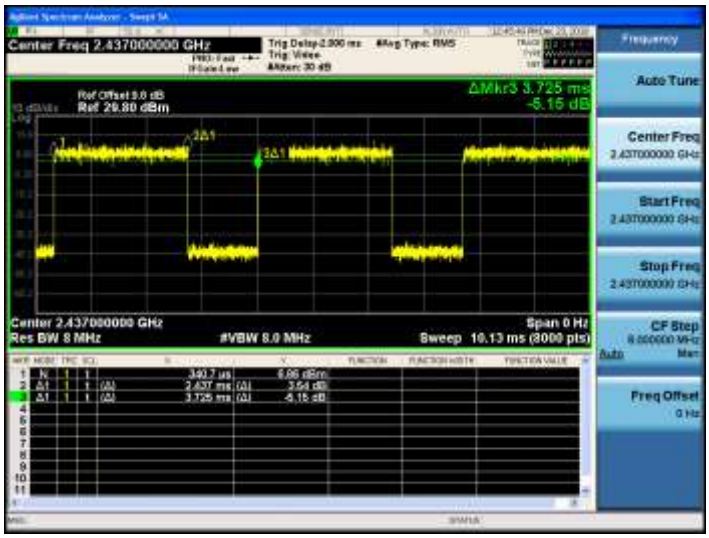
11N40SISO_Ant1_2422



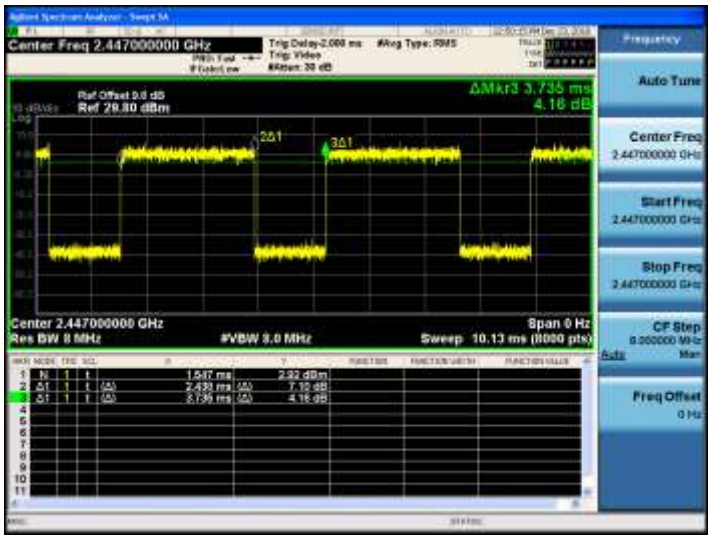
11N40SISO_Ant1_2427



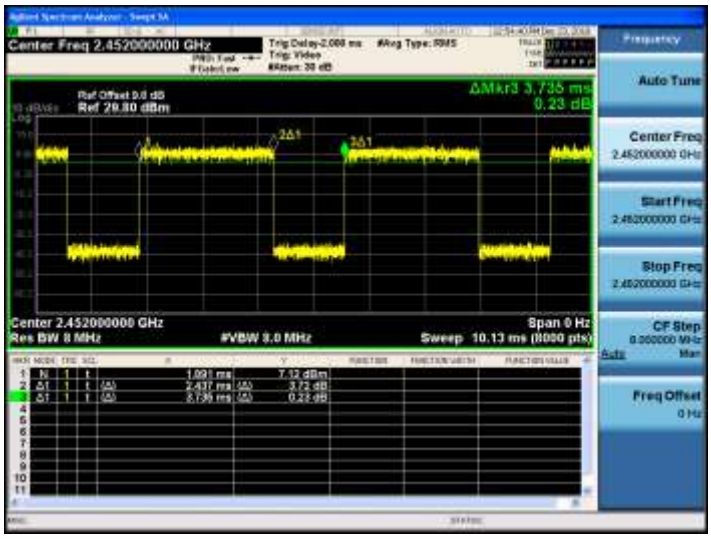
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452



Appendix D: Maximum Average conducted output power

Test Result

TestMode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	18.18	30	PASS
		2437	18.35	30	PASS
		2462	18.28	30	PASS
11G	Ant1	2412	13.19	30	PASS
		2417	16.33	30	PASS
		2437	16.63	30	PASS
		2457	16.46	30	PASS
		2462	13.34	30	PASS
11N20SISO	Ant1	2412	12.85	30	PASS
		2417	16.45	30	PASS
		2437	17.01	30	PASS
		2457	16.50	30	PASS
		2462	13.28	30	PASS
11N40SISO	Ant1	2422	13.66	30	PASS
		2427	14.05	30	PASS
		2437	13.70	30	PASS
		2447	13.83	30	PASS
		2452	13.27	30	PASS

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

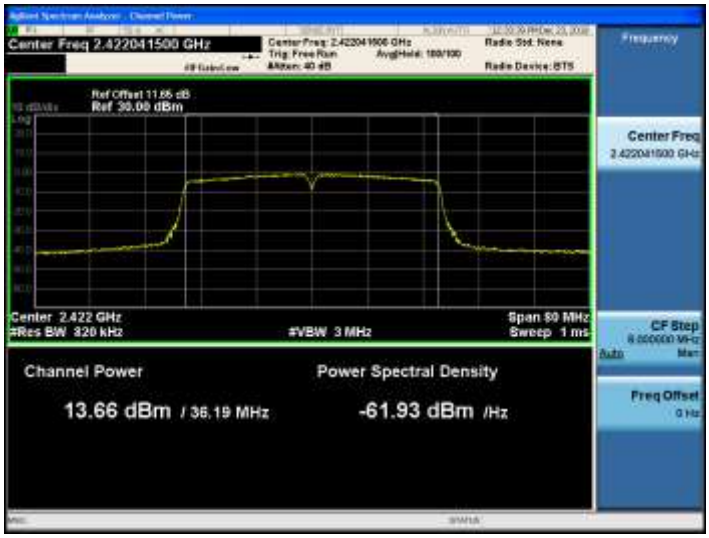
11N20SISO_Ant1_2417

11N20SISO_Ant1_2437

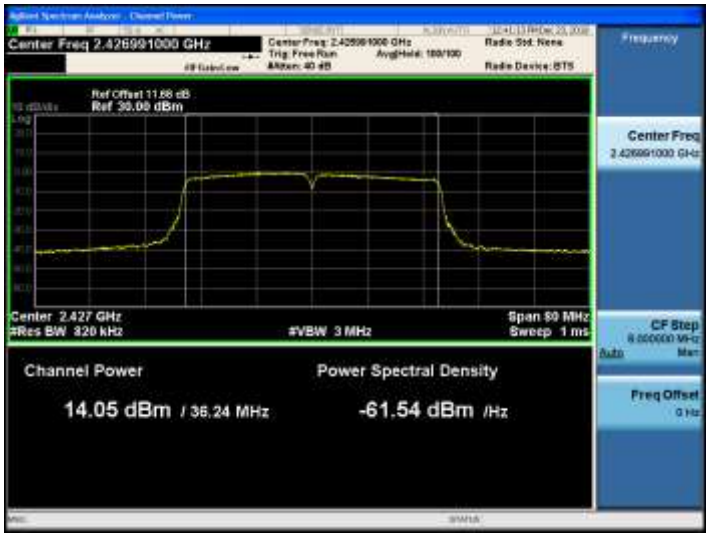
11N20SISO_Ant1_2457

11N20SISO_Ant1_2462

11N40SISO_Ant1_2422

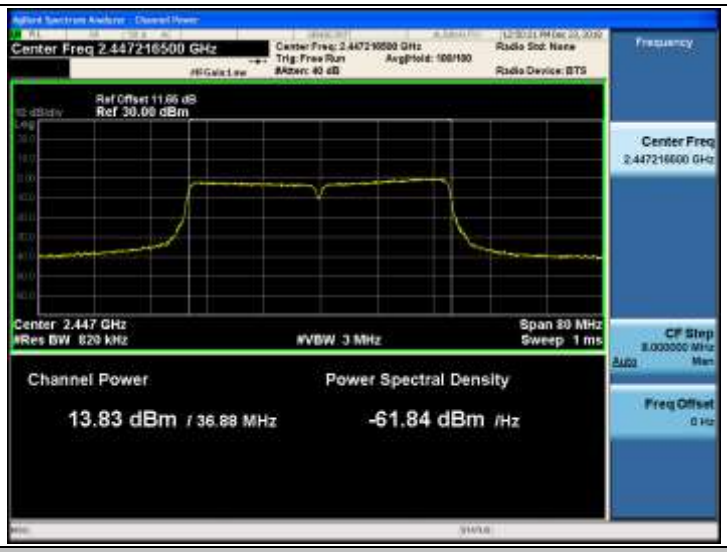


11N40SISO_Ant1_2427

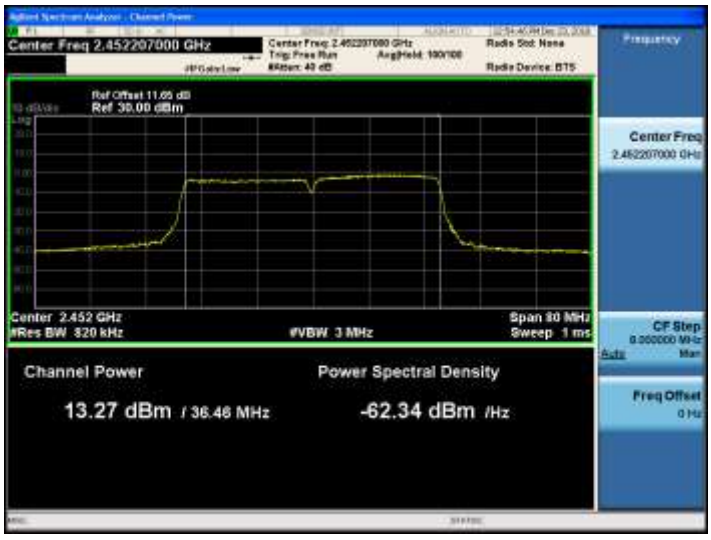


11N40SISO_Ant1_2437

11N40SISO_Ant1_2447



11N40SISO_Ant1_2452

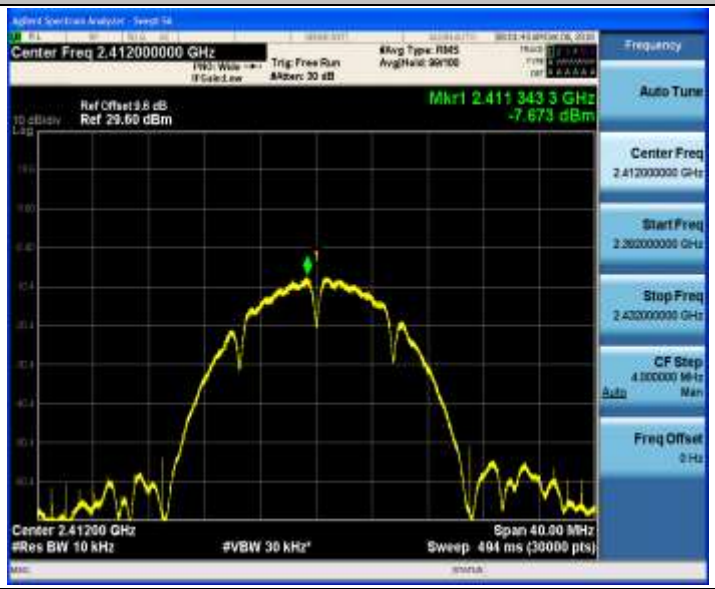
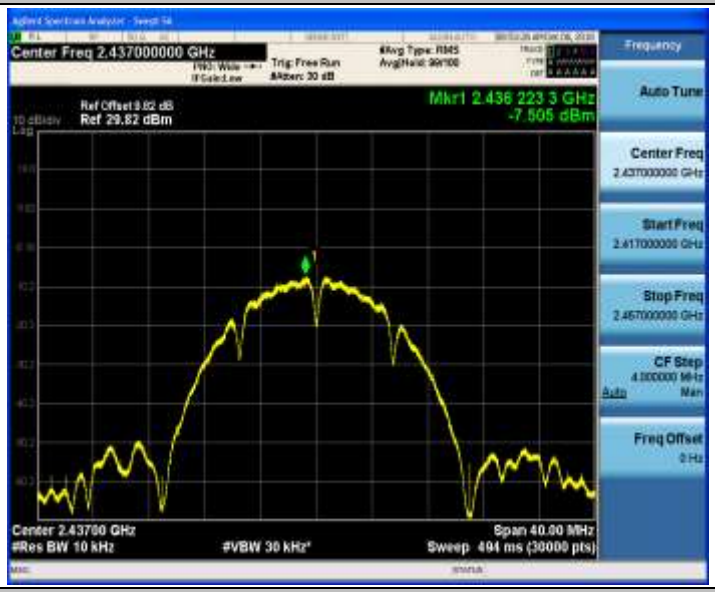


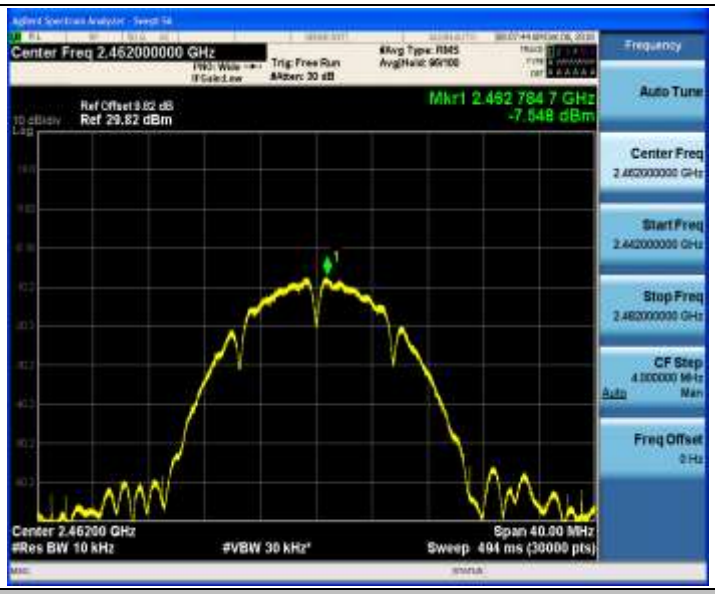
Appendix E: Maximum power spectral density

Test Result

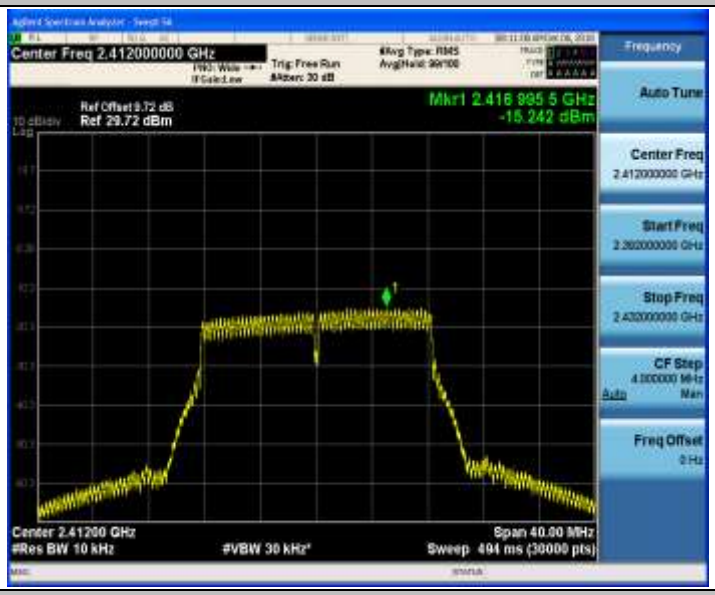
TestMode	Antenna	Channel	Result[dBm/10kHz]	Limit[dBm/3kHz]	Verdict
11B	Ant1	2412	-7.76	8	PASS
		2437	-7.47	8	PASS
		2462	-7.49	8	PASS
11G	Ant1	2412	-15.33	8	PASS
		2417	-12.42	8	PASS
		2437	-11.59	8	PASS
		2457	-11.2	8	PASS
		2462	-15.09	8	PASS
11N20SISO	Ant1	2412	-15.63	8	PASS
		2417	-12.37	8	PASS
		2437	-12.04	8	PASS
		2457	-11.42	8	PASS
		2462	-14.81	8	PASS
11N40SISO	Ant1	2422	-17.35	8	PASS
		2427	-17.27	8	PASS
		2437	-17.19	8	PASS
		2447	-16.87	8	PASS
		2452	-17.12	8	PASS

Test Graphs

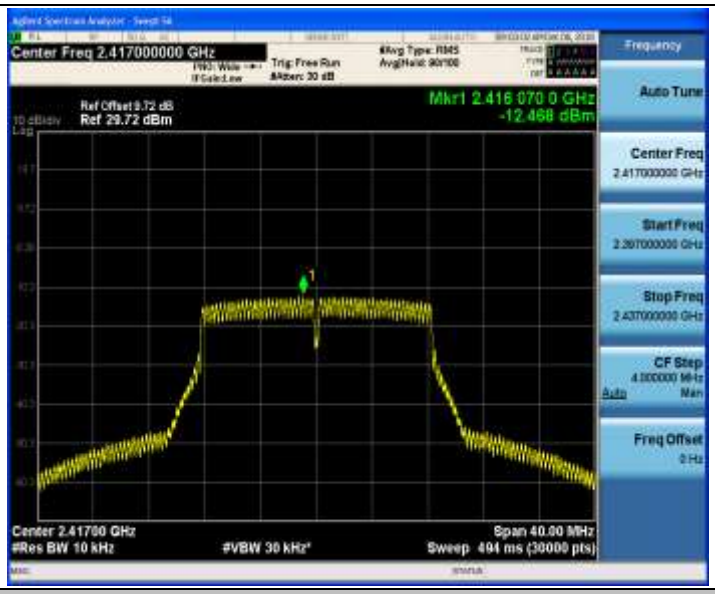
11B_Ant1_2412

11B_Ant1_2437

11B_Ant1_2462



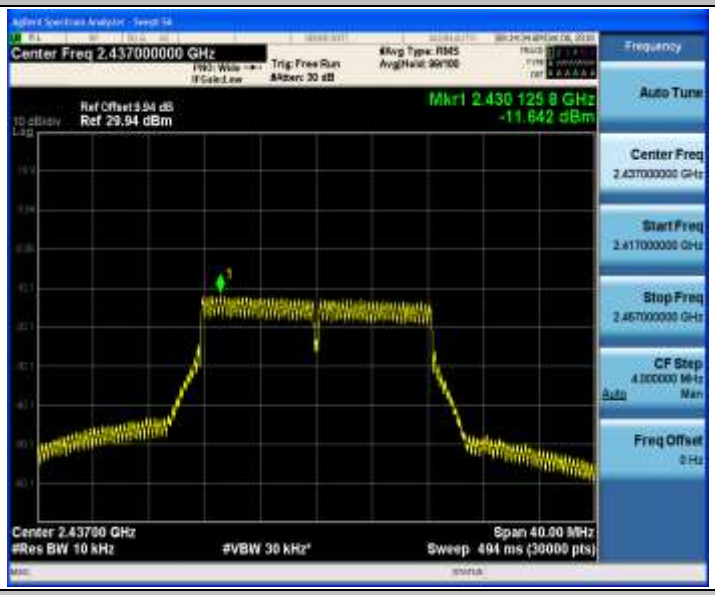
11G_Ant1_2412



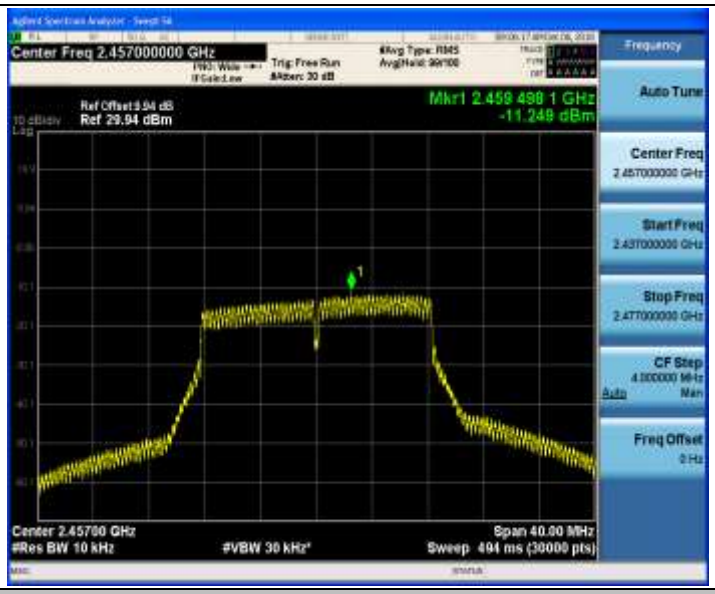
11G_Ant1_2417



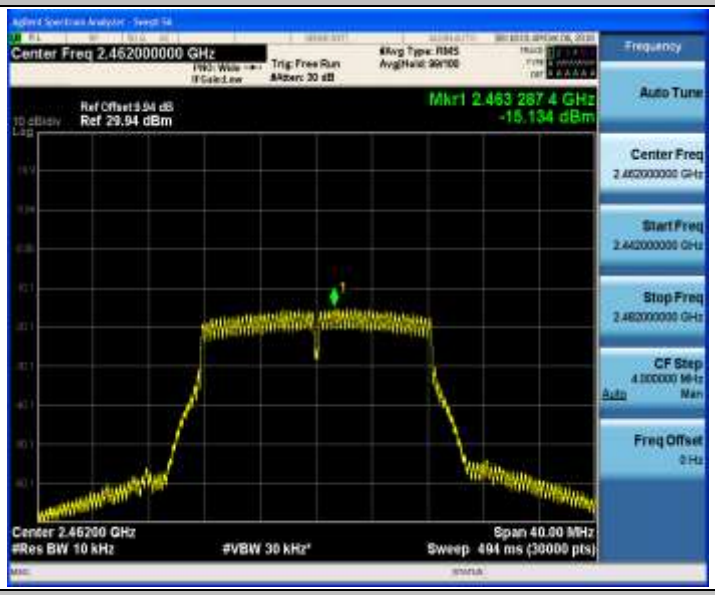
11G_Ant1_2437



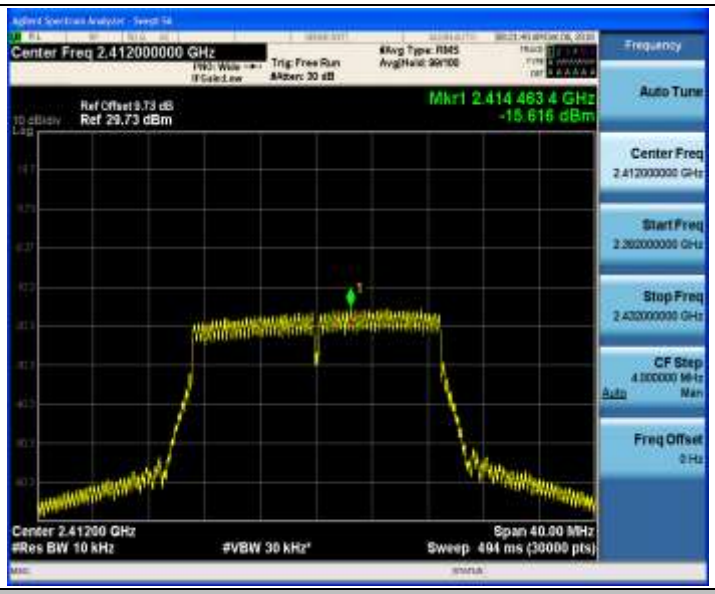
11G_Ant1_2457



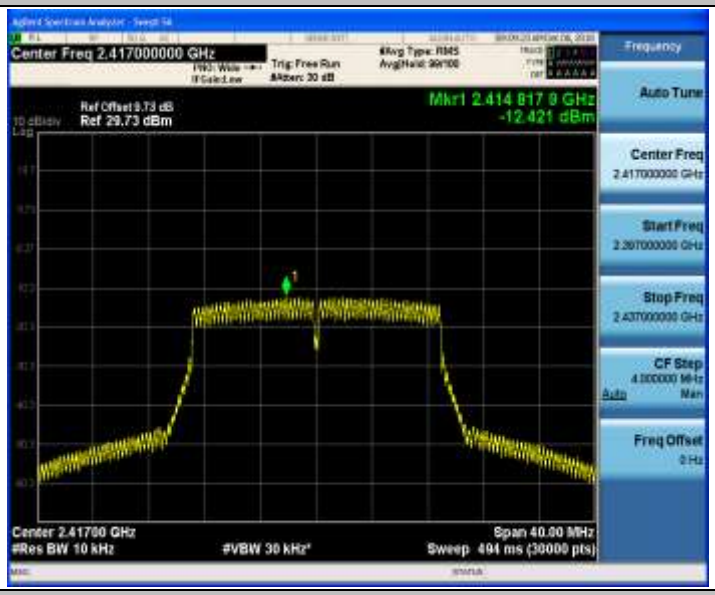
11G_Ant1_2462



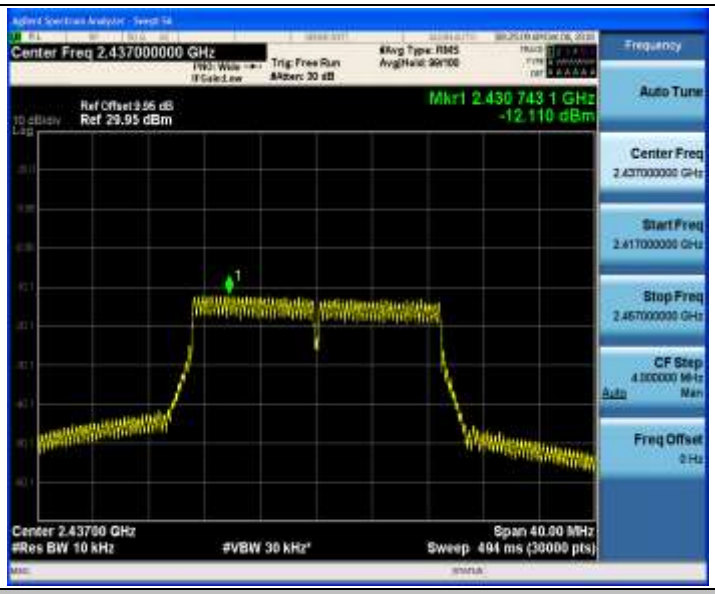
11N20SISO_Ant1_2412



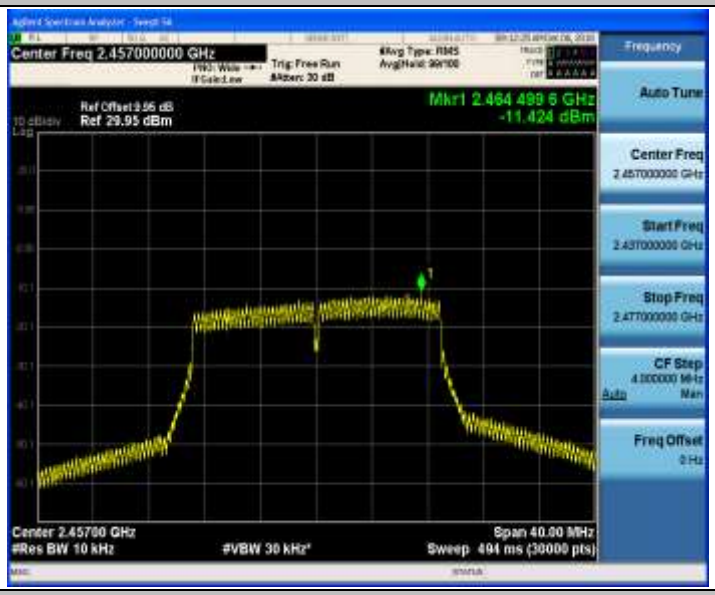
11N20SISO_Ant1_2417



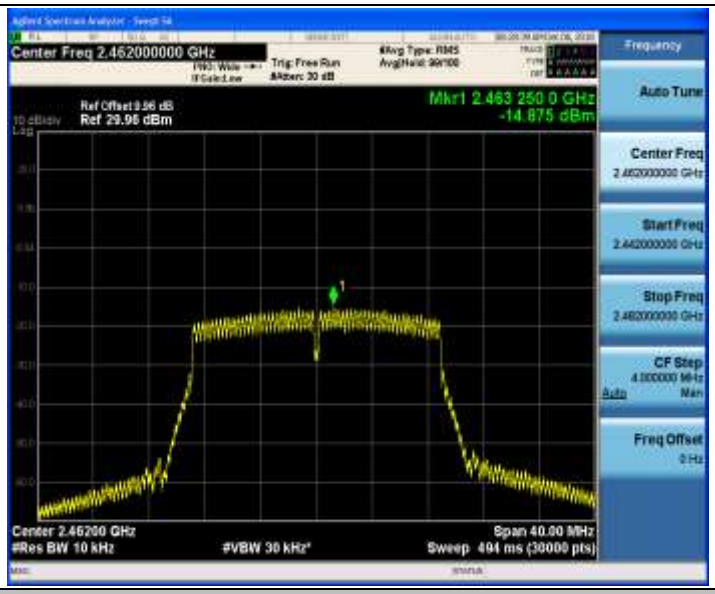
11N20SISO_Ant1_2437



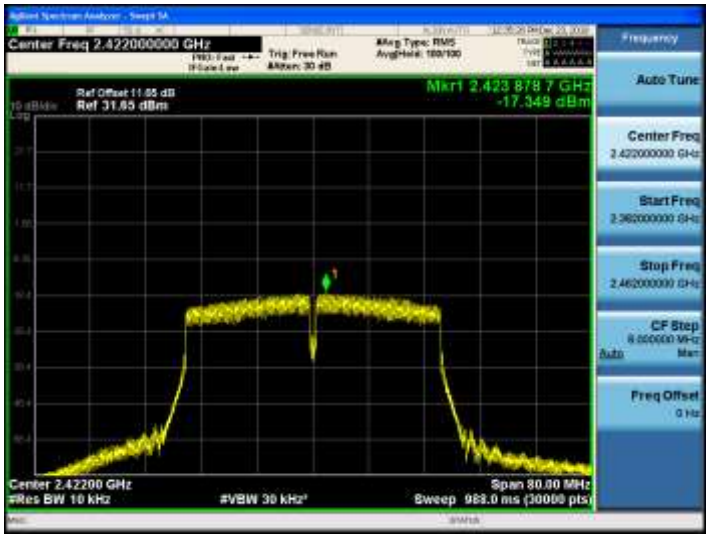
11N20SISO_Ant1_2457



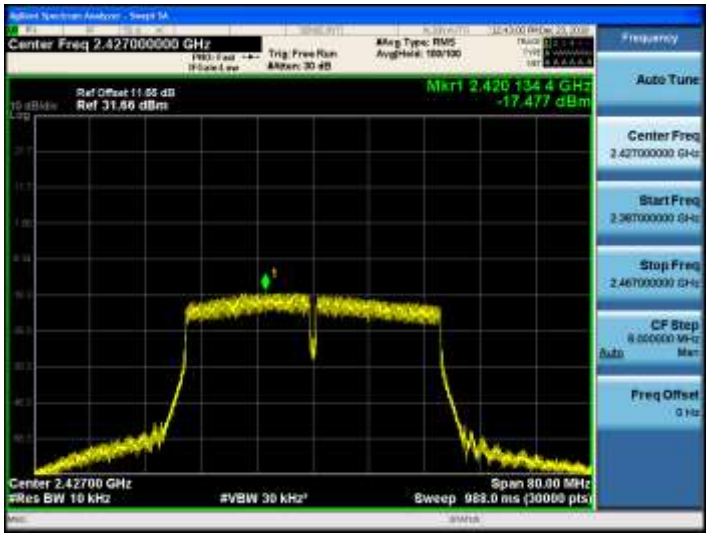
11N20SISO_Ant1_2462



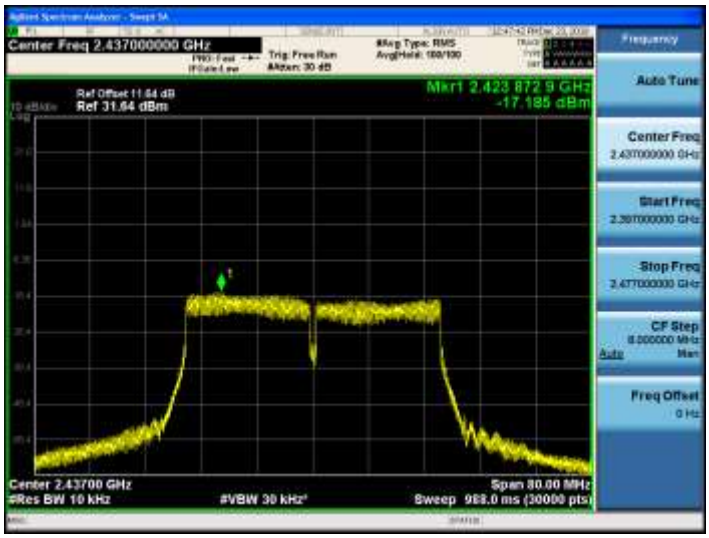
11N40SISO_Ant1_2422



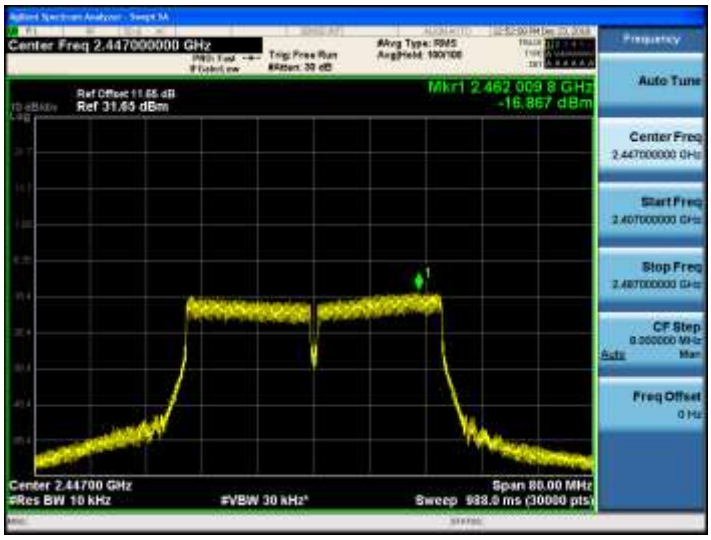
11N40SISO_Ant1_2427



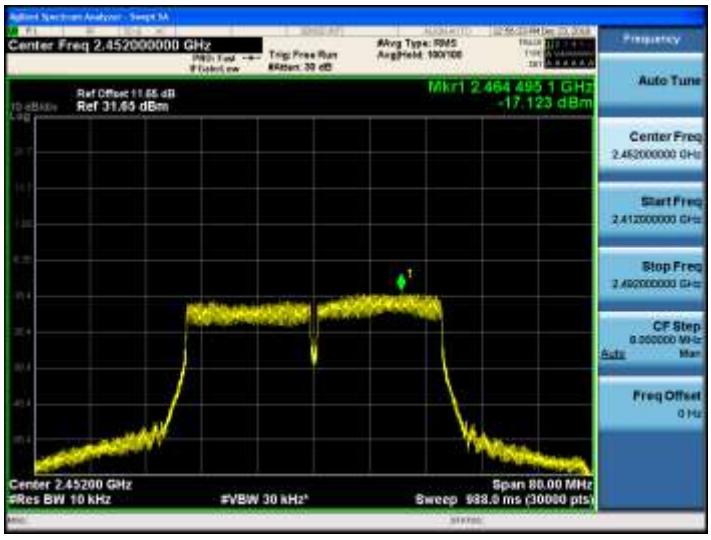
11N40SISO_Ant1_2437



11N40SISO_Ant1_2447



11N40SISO_Ant1_2452



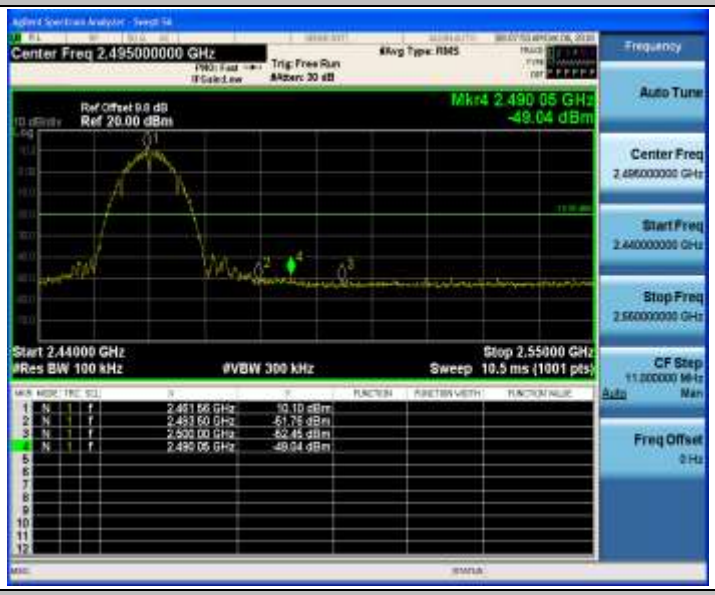
Appendix F: Band edge measurements

Test Result

TestMode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B	Ant1	Low	2412	10.33	-40.8	-19.67	PASS
		High	2462	10.10	-49.04	-19.9	PASS
11G	Ant1	Low	2412	2.35	-36.73	-27.65	PASS
			2417	5.28	-33.58	-24.72	PASS
		High	2457	6.39	-46.23	-23.61	PASS
			2462	2.37	-45.88	-27.63	PASS
11N20SISO	Ant1	Low	2412	2.50	-37.34	-27.5	PASS
			2417	5.61	-32.35	-24.39	PASS
		High	2457	6.46	-45.75	-23.54	PASS
			2462	3.07	-45.42	-26.93	PASS
11N40SISO	Ant1	Low	2422	0.44	-36.73	-29.56	PASS
			2427	1.17	-37.28	-28.83	PASS
		High	2447	1.20	-41.4	-28.8	PASS
			2452	0.58	-40.06	-29.42	PASS

Test Graphs

11B_Ant1_Low_2412

11B_Ant1_High_2462

11G_Ant1_Low_2412

11G_Ant1_Low_2417

11G_Ant1_High_2457

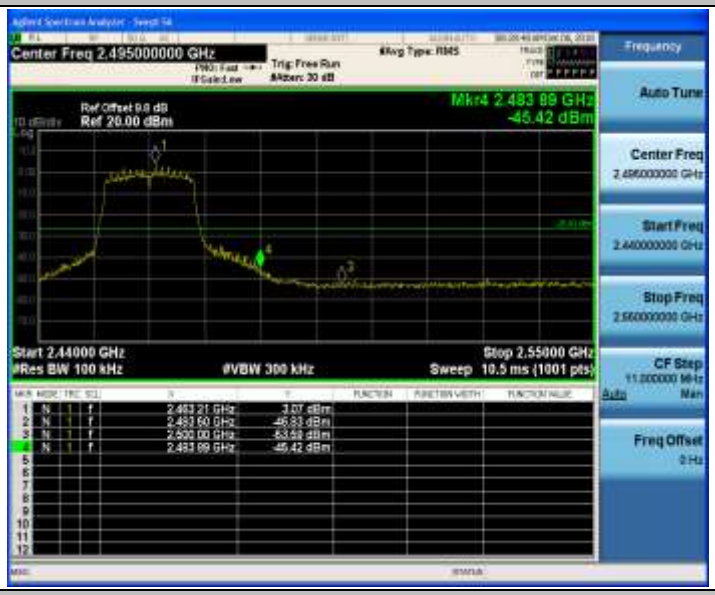
11G_Ant1_High_2462

11N20SISO_Ant1_Low_2412

11N20SISO_Ant1_Low_2417

11N20SISO_Ant1_High_2457

11N20SISO_Ant1_High_2462



11N40SISO_Ant1_Low_2422

11N40SISO_Ant1_Low_2427

11N40SISO_Ant1_High_2447

11N40SISO_Ant1_High_2452

Appendix G: Conducted Spurious Emission

Test Result

TestMode	Antenna	Channel	FreqRange	RefLevel [dBm]	Result [dBm]	Limit[dBm]	Verdict
11B	Ant1	2412	Reference	9.96	9.96	---	PASS
			0.009~30	0.009~30	-72.54	-30.04	PASS
			30~1000	30~1000	-63.21	-20.04	PASS
			1000~26500	1000~26500	-37.51	-20.04	PASS
		2437	Reference	10.36	10.36	---	PASS
			0.009~30	0.009~30	-74.06	-29.64	PASS
			30~1000	30~1000	-62.91	-19.64	PASS
			1000~26500	1000~26500	-37.17	-19.64	PASS
		2462	Reference	10.59	10.59	---	PASS
			0.009~30	0.009~30	-73.11	-29.41	PASS
			30~1000	30~1000	-62.82	-19.41	PASS
			1000~26500	1000~26500	-37.58	-19.41	PASS
11G	Ant1	2412	Reference	2.44	2.44	---	PASS
			0.009~30	0.009~30	-73.56	-37.56	PASS
			30~1000	30~1000	-62.85	-27.56	PASS
			1000~26500	1000~26500	-37.72	-27.56	PASS
		2417	Reference	5.04	5.04	---	PASS
			0.009~30	0.009~30	-74.55	-34.96	PASS
			30~1000	30~1000	-62.86	-24.96	PASS
			1000~26500	1000~26500	-38	-24.96	PASS
		2437	Reference	4.90	4.90	---	PASS
			0.009~30	0.009~30	-72.8	-35.1	PASS
			30~1000	30~1000	-62.46	-25.1	PASS
			1000~26500	1000~26500	-37.03	-25.1	PASS
		2457	Reference	6.56	6.56	---	PASS
			0.009~30	0.009~30	-73.33	-33.44	PASS
			30~1000	30~1000	-63.04	-23.44	PASS
			1000~26500	1000~26500	-36.99	-23.44	PASS
		2462	Reference	2.37	2.37	---	PASS
			0.009~30	0.009~30	-74.38	-37.63	PASS
			30~1000	30~1000	-62.14	-27.63	PASS
			1000~26500	1000~26500	-37.39	-27.63	PASS
11N20SISO	Ant1	2412	Reference	1.74	1.74	---	PASS

			0.009~30	0.009~30	-75.05	-38.26	PASS
			30~1000	30~1000	-62.1	-28.26	PASS
			1000~26500	1000~26500	-37.69	-28.26	PASS
		2417	Reference	5.51	5.51	---	PASS
			0.009~30	0.009~30	-73.82	-34.49	PASS
			30~1000	30~1000	-63.13	-24.49	PASS
			1000~26500	1000~26500	-37.44	-24.49	PASS
		2437	Reference	6.44	6.44	---	PASS
			0.009~30	0.009~30	-72.22	-33.56	PASS
			30~1000	30~1000	-62.79	-23.56	PASS
			1000~26500	1000~26500	-37.02	-23.56	PASS
		2457	Reference	6.56	6.56	---	PASS
			0.009~30	0.009~30	-73.53	-33.44	PASS
			30~1000	30~1000	-62.73	-23.44	PASS
			1000~26500	1000~26500	-36.58	-23.44	PASS
		2462	Reference	1.47	1.47	---	PASS
			0.009~30	0.009~30	-73.86	-38.53	PASS
			30~1000	30~1000	-62.06	-28.53	PASS
			1000~26500	1000~26500	-37.61	-28.53	PASS
11N40SISO	Ant1	2422	Reference	0.46	0.46	---	PASS
			0.009~30	0.009~30	-74.26	-39.54	PASS
			30~1000	30~1000	-62.94	-29.54	PASS
			1000~26500	1000~26500	-37.28	-29.54	PASS
		2427	Reference	0.22	0.22	---	PASS
			0.009~30	0.009~30	-74	-39.78	PASS
			30~1000	30~1000	-62.27	-29.78	PASS
			1000~26500	1000~26500	-36.74	-29.78	PASS
		2437	Reference	-0.10	-0.10	---	PASS
			0.009~30	0.009~30	-73.76	-40.1	PASS
			30~1000	30~1000	-63.07	-30.1	PASS
			1000~26500	1000~26500	-37.16	-30.1	PASS
		2447	Reference	0.70	0.70	---	PASS
			0.009~30	0.009~30	-74.05	-39.3	PASS
			30~1000	30~1000	-61.83	-29.3	PASS
			1000~26500	1000~26500	-37.1	-29.3	PASS
		2452	Reference	0.96	0.96	---	PASS
			0.009~30	0.009~30	-74.02	-39.04	PASS
			30~1000	30~1000	-62.36	-29.04	PASS

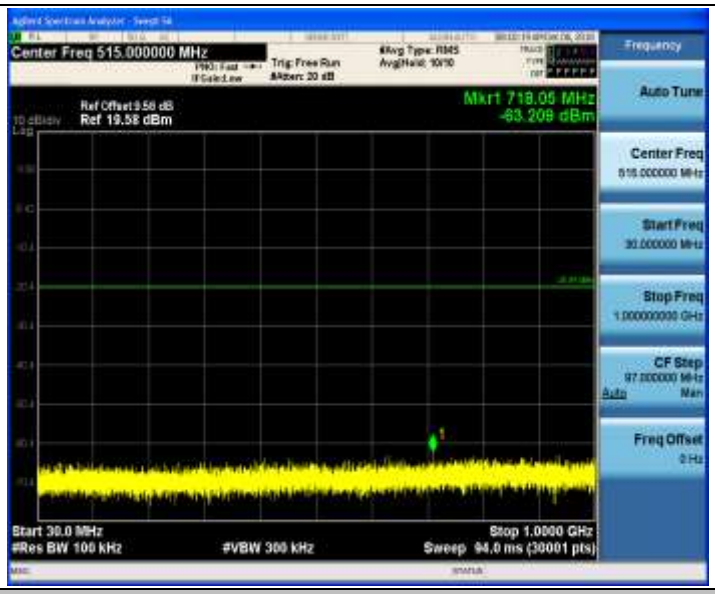
			1000~26500	1000~26500	-35.59	-29.04	PASS

Test Graphs

11B_Ant1_2412_0~Reference

11B_Ant1_2412_0.009~30

11B_Ant1_2412_30~1000

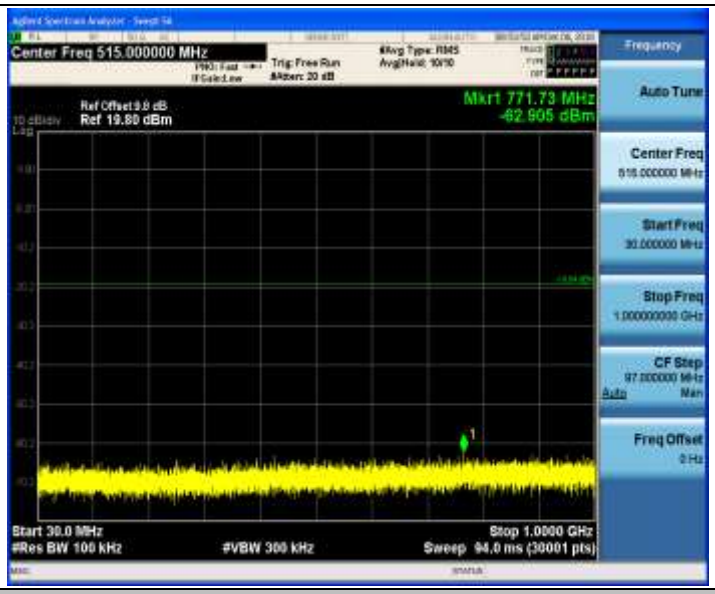


11B_Ant1_2412_1000~26500

11B_Ant1_2437_0~Reference

11B_Ant1_2437_0.009~30

11B_Ant1_2437_30~1000

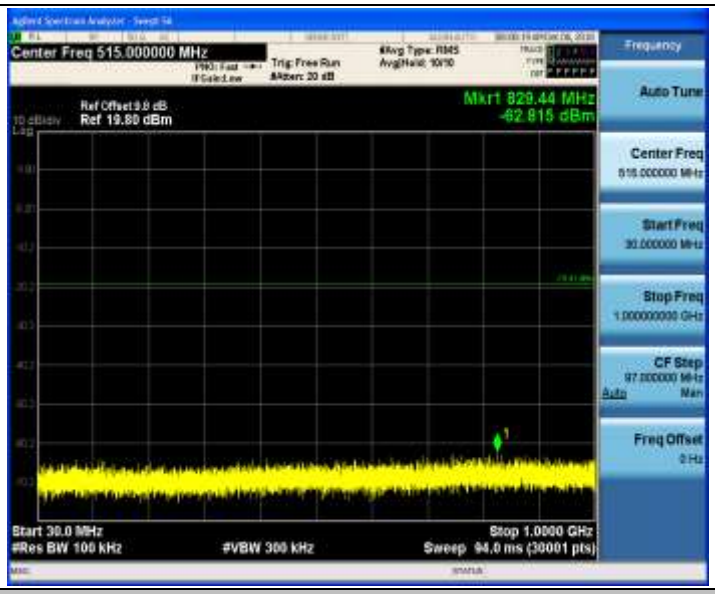


11B_Ant1_2437_1000~26500

11B_Ant1_2462_0~Reference

11B_Ant1_2462_0.009~30

11B_Ant1_2462_30~1000

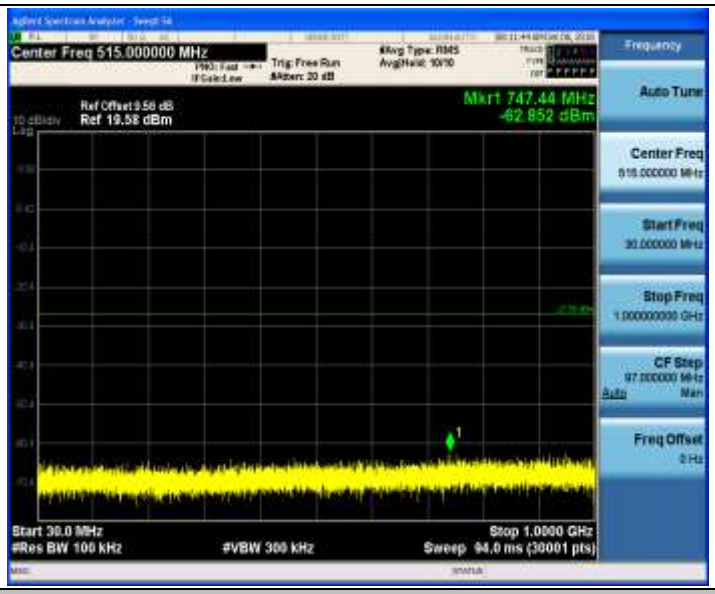


11B_Ant1_2462_1000~26500

11G_Ant1_2412_0~Reference

11G_Ant1_2412_0.009~30

11G_Ant1_2412_30~1000

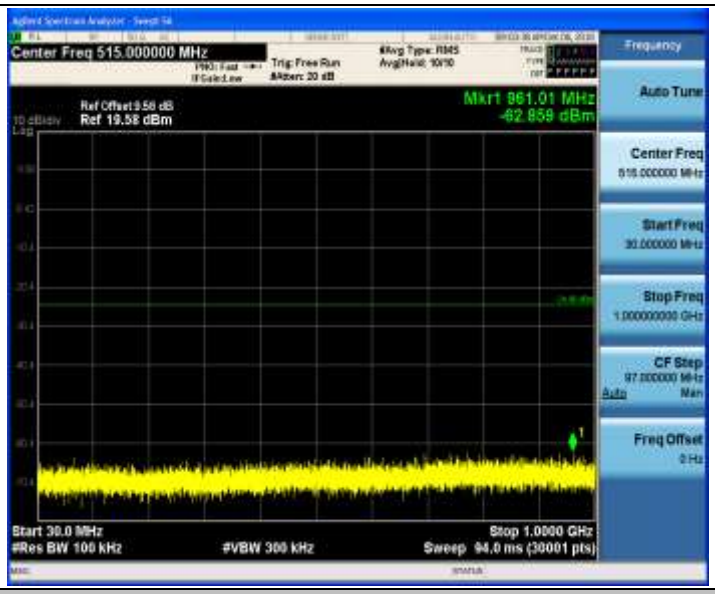


11G_Ant1_2412_1000~26500

11G_Ant1_2417_0~Reference

11G_Ant1_2417_0.009~30

11G_Ant1_2417_30~1000

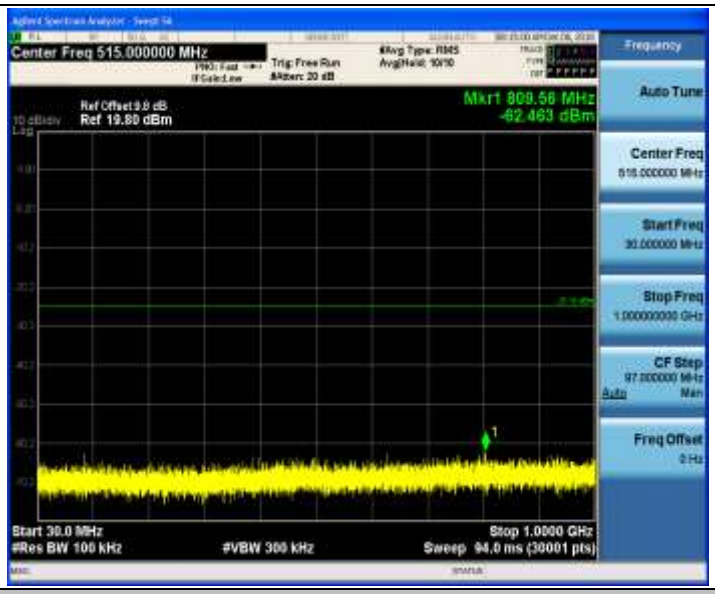


11G_Ant1_2417_1000~26500

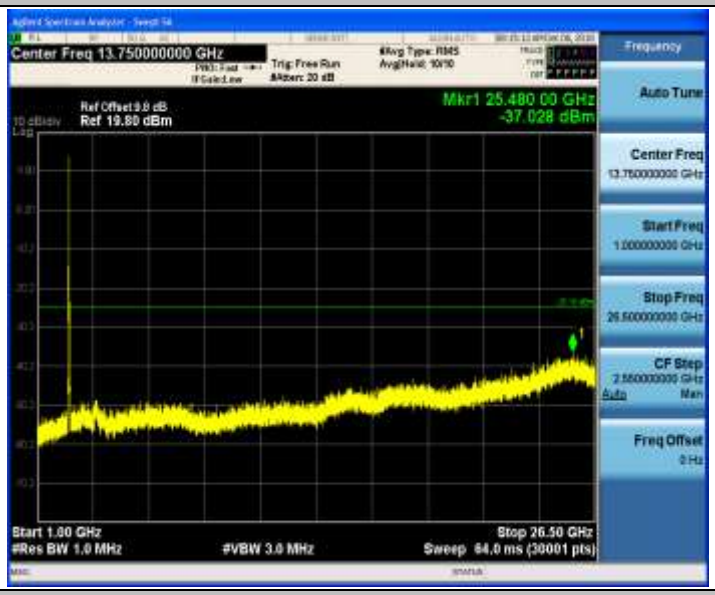
11G_Ant1_2437_0~Reference

11G_Ant1_2437_0.009~30

11G_Ant1_2437_30~1000



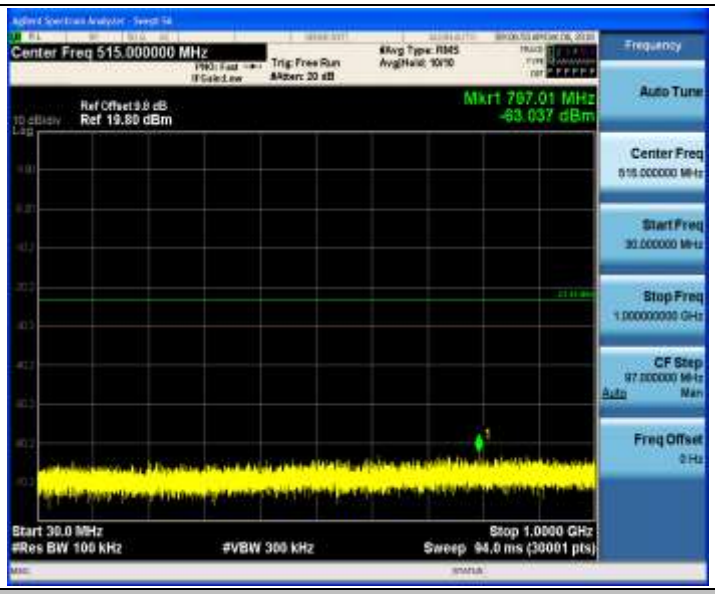
11G_Ant1_2437_1000~26500



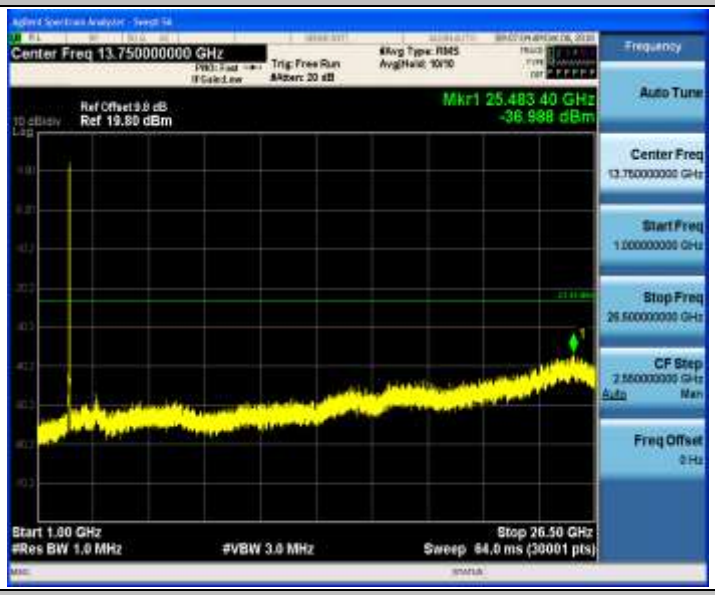
11G_Ant1_2457_0~Reference

11G_Ant1_2457_0.009~30

11G_Ant1_2457_30~1000



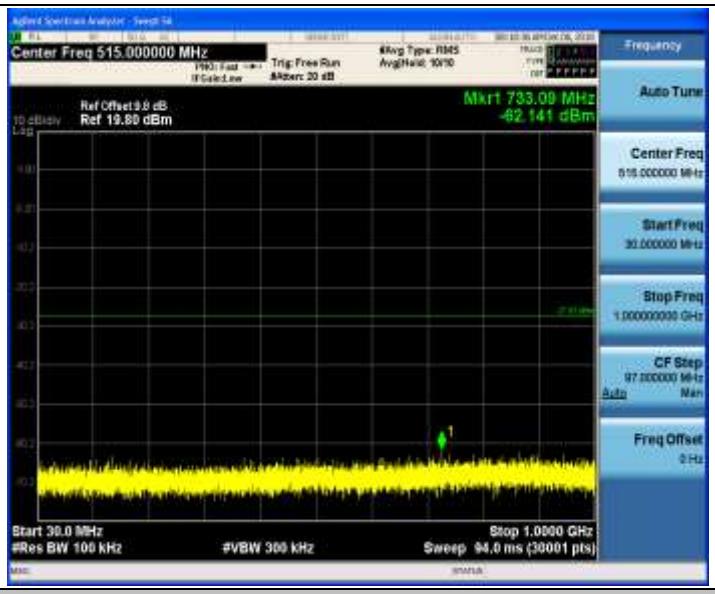
11G_Ant1_2457_1000~26500



11G_Ant1_2462_0~Reference

11G_Ant1_2462_0.009~30

11G_Ant1_2462_30~1000

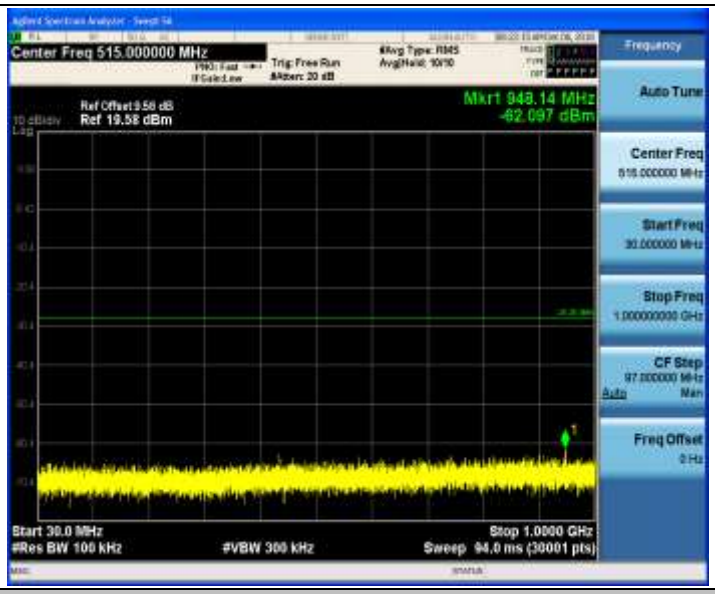


11G_Ant1_2462_1000~26500

11N20SISO_Ant1_2412_0~Reference

11N20SISO_Ant1_2412_0.009~30

11N20SISO_Ant1_2412_30~1000

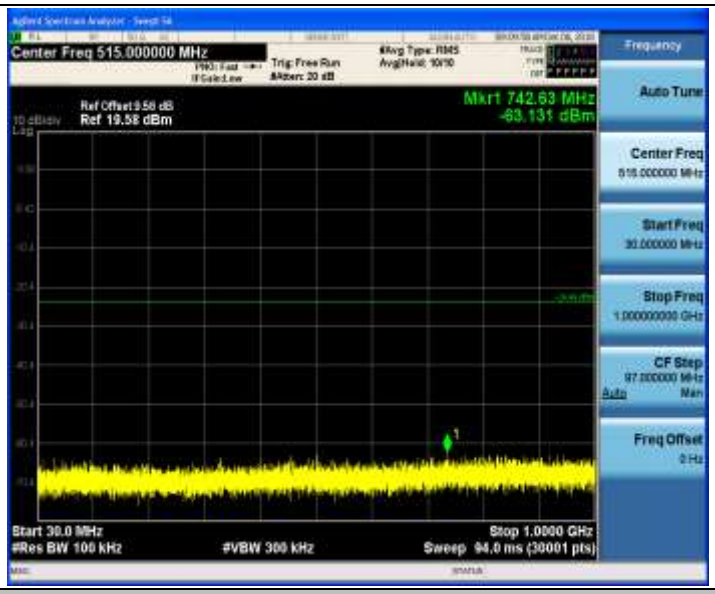


11N20SISO_Ant1_2412_1000~26500

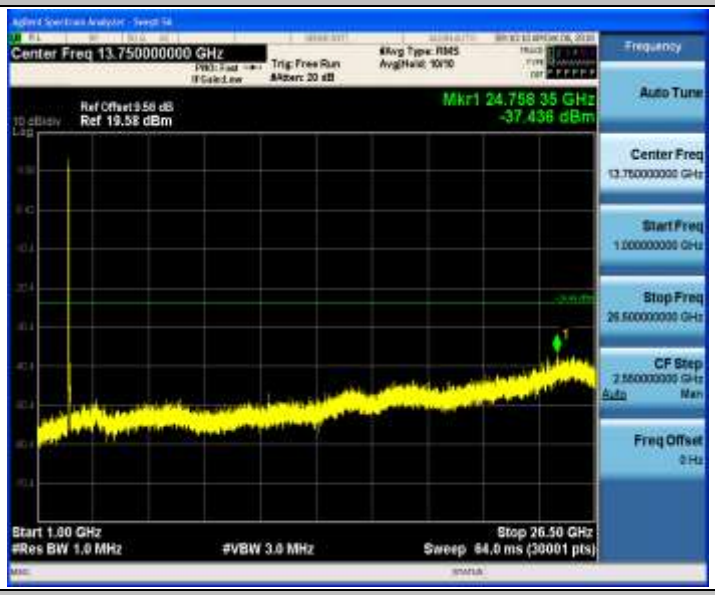
11N20SISO_Ant1_2417_0~Reference

11N20SISO_Ant1_2417_0.009~30

11N20SISO_Ant1_2417_30~1000



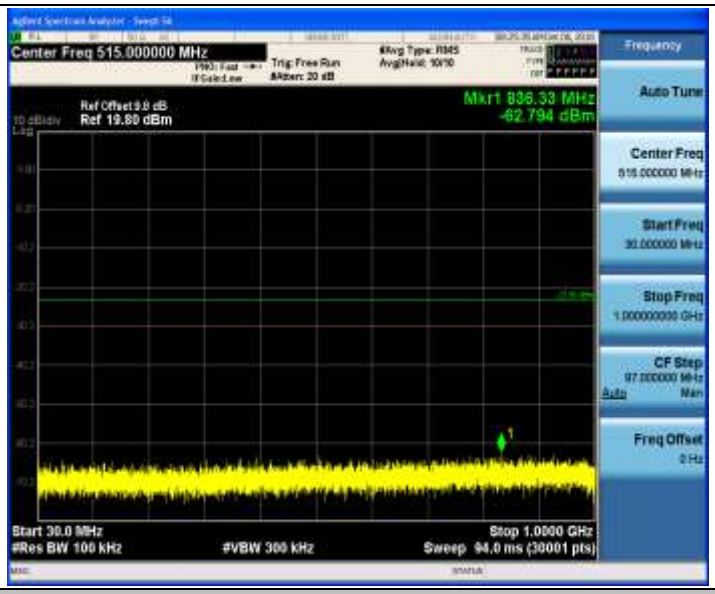
11N20SISO_Ant1_2417_1000~26500



11N20SISO_Ant1_2437_0~Reference

11N20SISO_Ant1_2437_0.009~30

11N20SISO_Ant1_2437_30~1000

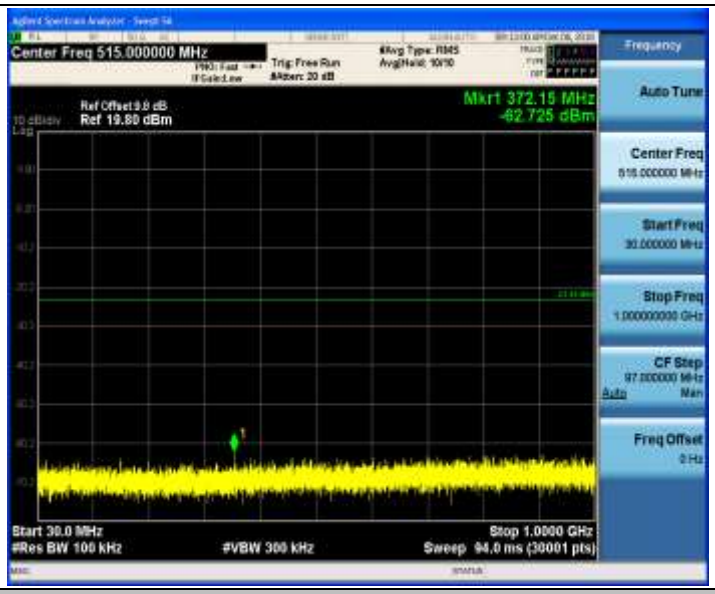


11N20SISO_Ant1_2437_1000~26500

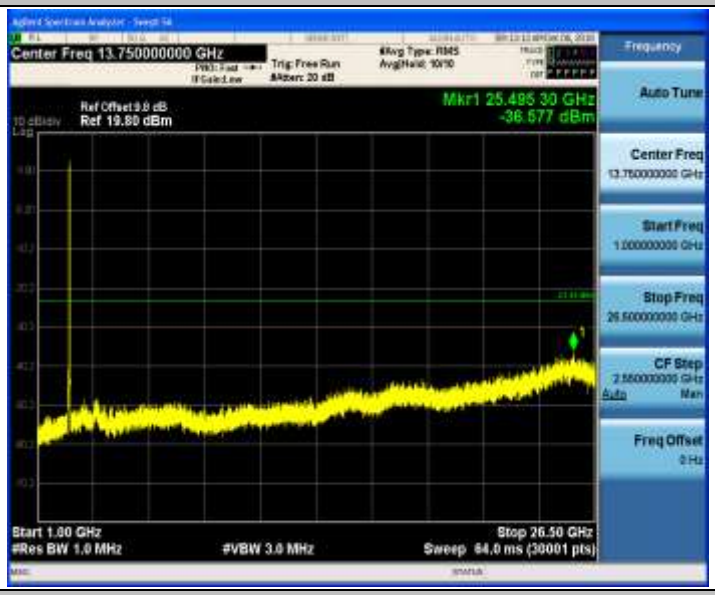
11N20SISO_Ant1_2457_0~Reference

11N20SISO_Ant1_2457_0.009~30

11N20SISO_Ant1_2457_30~1000



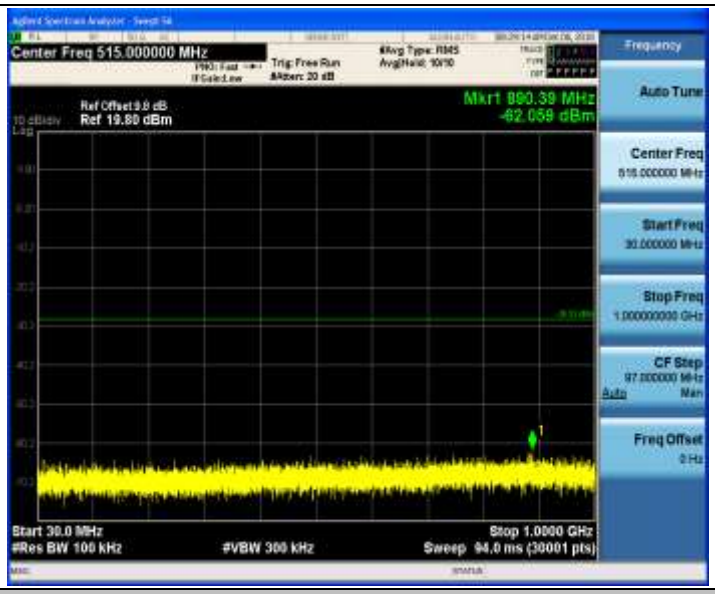
11N20SISO_Ant1_2457_1000~26500



11N20SISO_Ant1_2462_0~Reference

11N20SISO_Ant1_2462_0.009~30

11N20SISO_Ant1_2462_30~1000

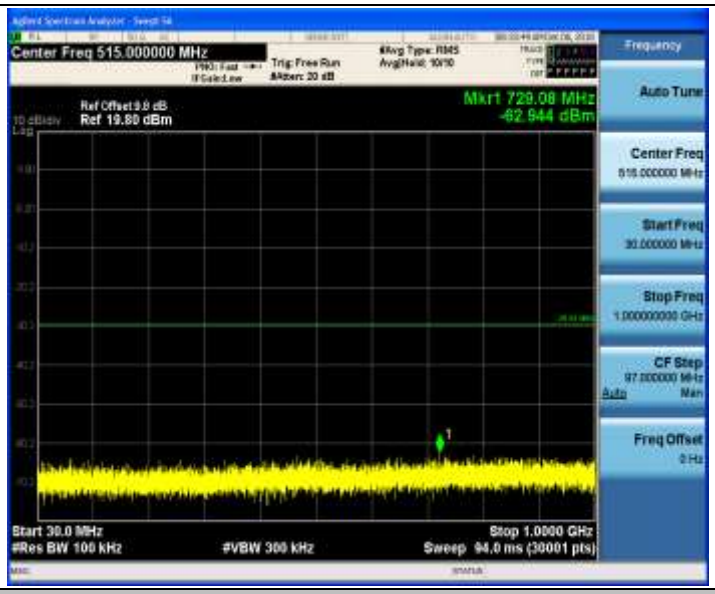


11N20SISO_Ant1_2462_1000~26500

11N40SISO_Ant1_2422_0~Reference

11N40SISO_Ant1_2422_0.009~30

11N40SISO_Ant1_2422_30~1000

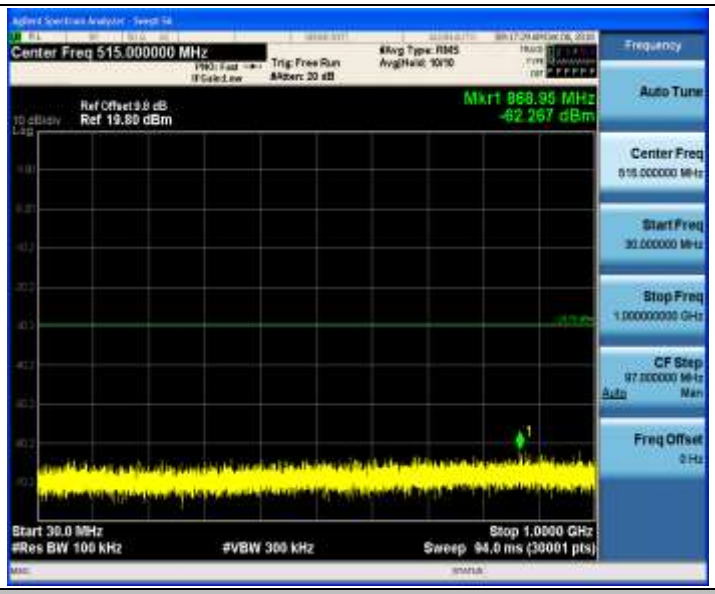


11N40SISO_Ant1_2422_1000~26500

11N40SISO_Ant1_2427_0~Reference

11N40SISO_Ant1_2427_0.009~30

11N40SISO_Ant1_2427_30~1000

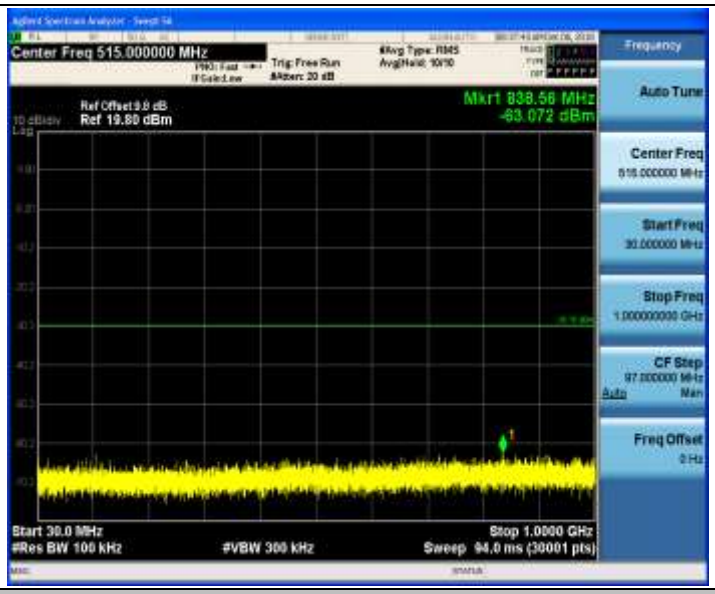


11N40SISO_Ant1_2427_1000~26500

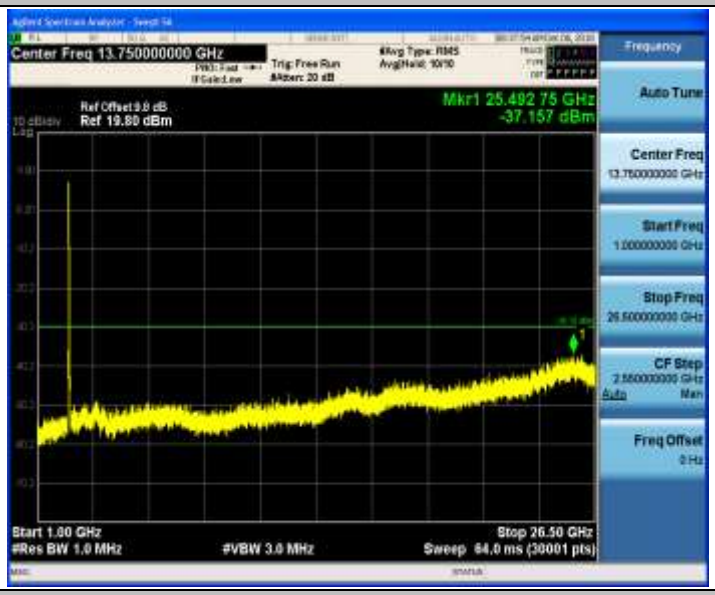
11N40SISO_Ant1_2437_0~Reference

11N40SISO_Ant1_2437_0.009~30

11N40SISO_Ant1_2437_30~1000



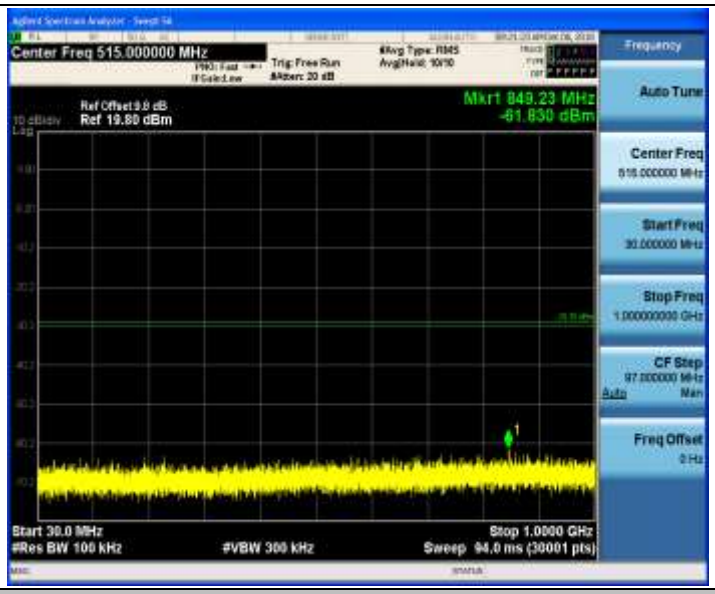
11N40SISO_Ant1_2437_1000~26500



11N40SISO_Ant1_2447_0~Reference

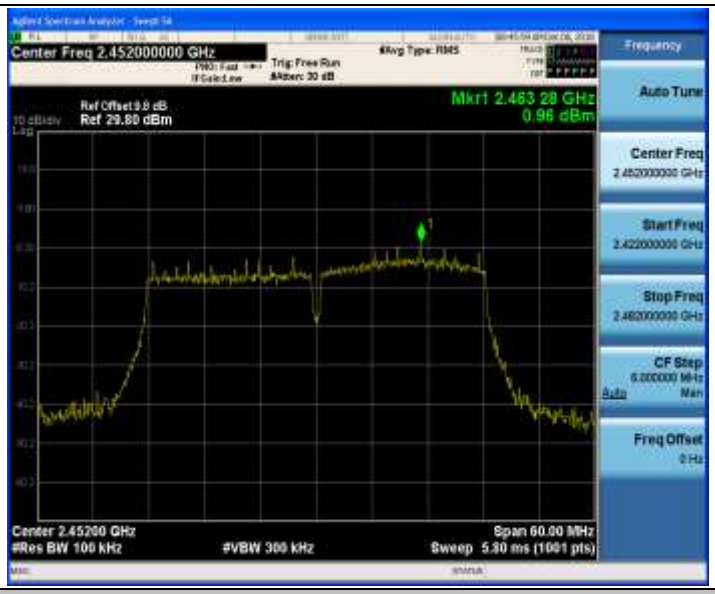
11N40SISO_Ant1_2447_0.009~30

11N40SISO_Ant1_2447_30~1000



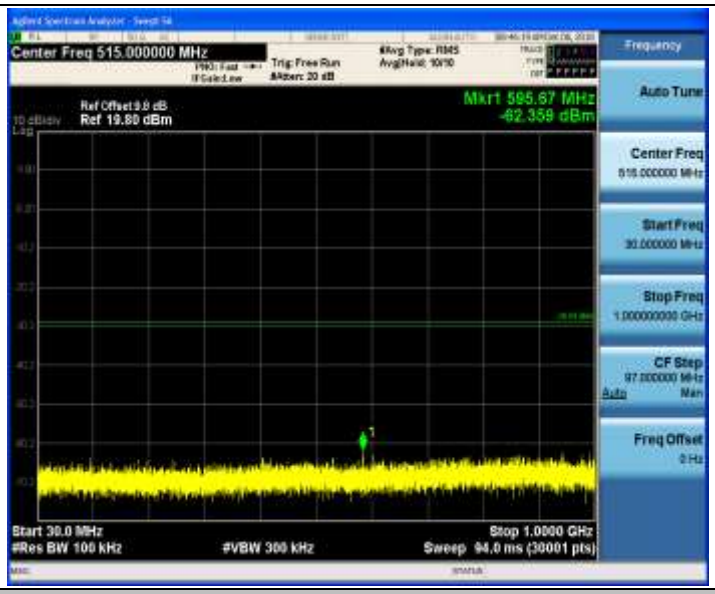
11N40SISO_Ant1_2447_1000~26500

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.

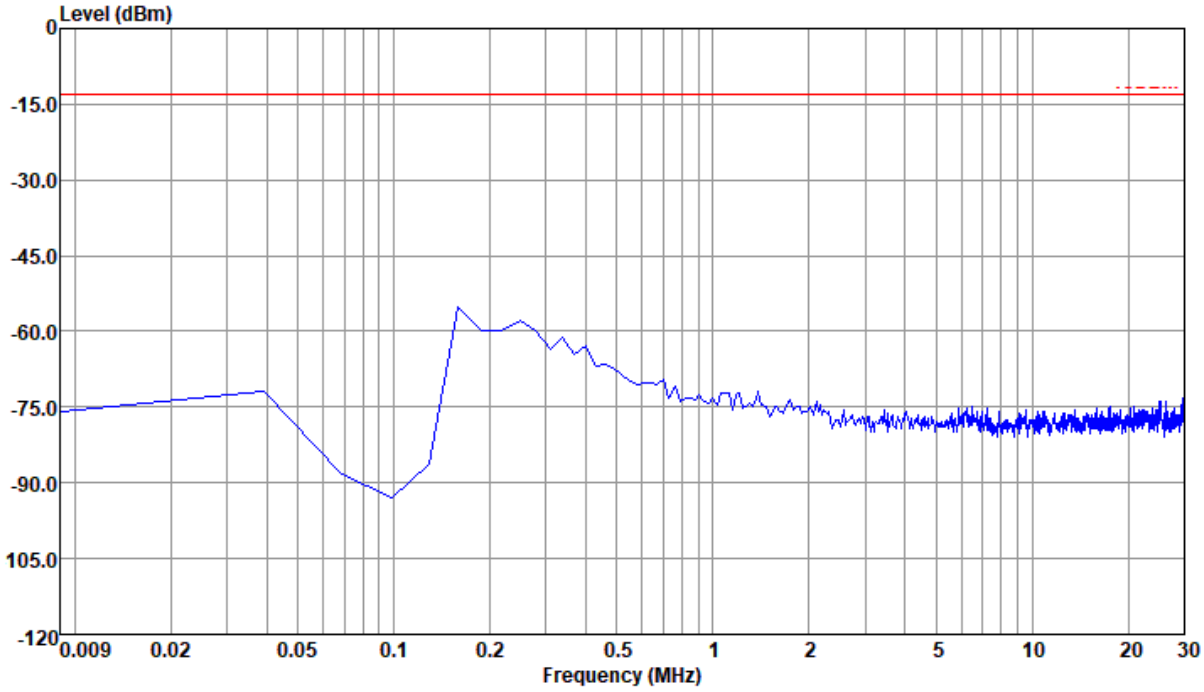
Below 1GHz, RBW = 100 kHz, VBW = 300 kHz.

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”

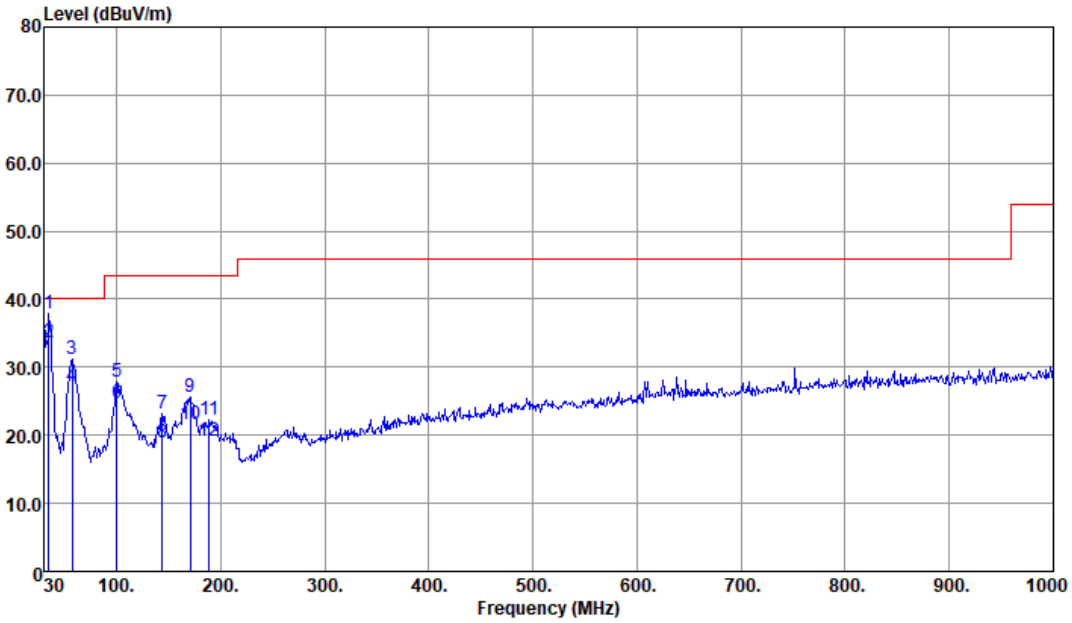
Note 1: The test results and plot for testing range of “9 kHz to 30MHz” showed as below is the WORST case for all Test Modes and Channels. This range will not be presented for each Test Mode and each Channel.



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	Read Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	34.85	37.86	-2.14	40.00	47.64	21.50	0.32	31.60	Peak
2 qp	34.85	33.57	-6.43	40.00	43.35	21.50	0.32	31.60	QP
3	57.16	31.15	-8.85	40.00	49.34	12.91	0.50	31.60	Peak
4	57.16	27.08	-12.92	40.00	45.27	12.91	0.50	31.60	QP
5	99.84	27.77	-15.73	43.50	41.72	16.70	0.85	31.50	Peak
6	99.84	24.76	-18.74	43.50	38.71	16.70	0.85	31.50	QP
7	143.49	23.18	-20.32	43.50	36.21	17.13	1.25	31.41	Peak
8	143.49	18.89	-24.61	43.50	31.92	17.13	1.25	31.41	QP
9	170.65	25.55	-17.95	43.50	39.86	15.58	1.43	31.32	Peak
10	170.65	21.51	-21.99	43.50	35.82	15.58	1.43	31.32	QP
11	189.08	22.34	-21.16	43.50	36.66	15.38	1.54	31.24	Peak
12	189.08	19.20	-24.30	43.50	33.52	15.38	1.54	31.24	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”

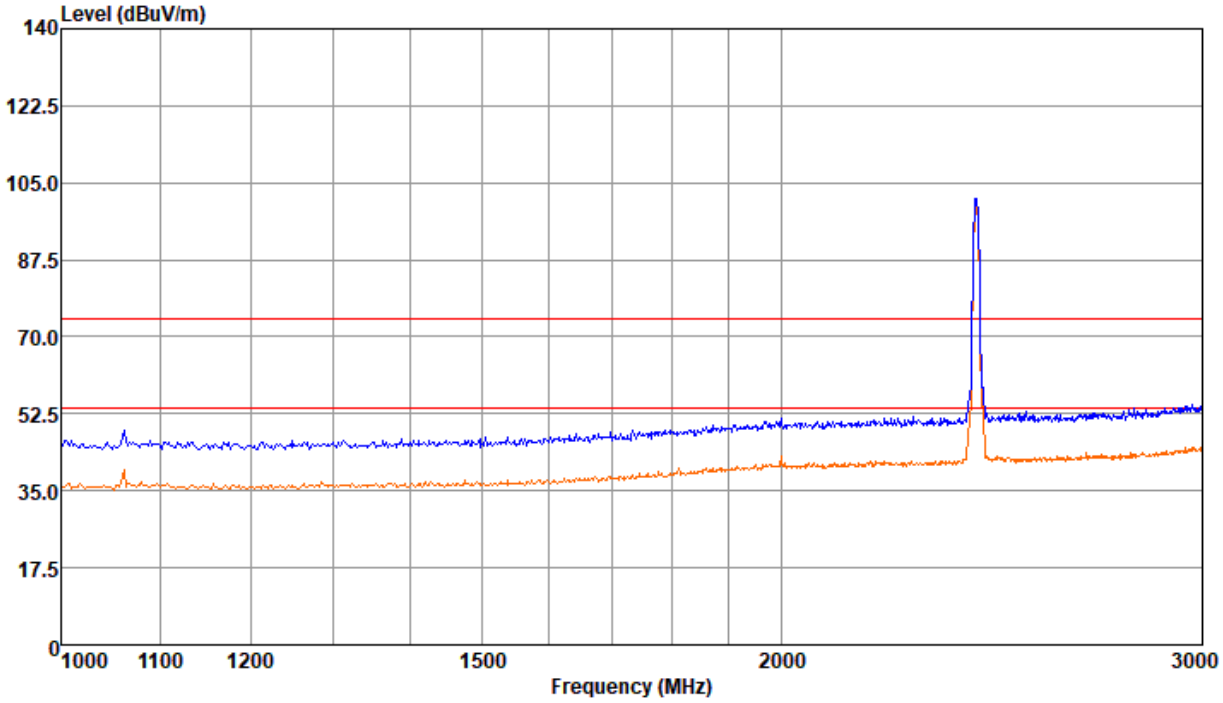
Note 1: The testing range of “1 GHz to 3 GHz” is for checking radiated emissions located in restricted bands near the EUT operating bands.

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.

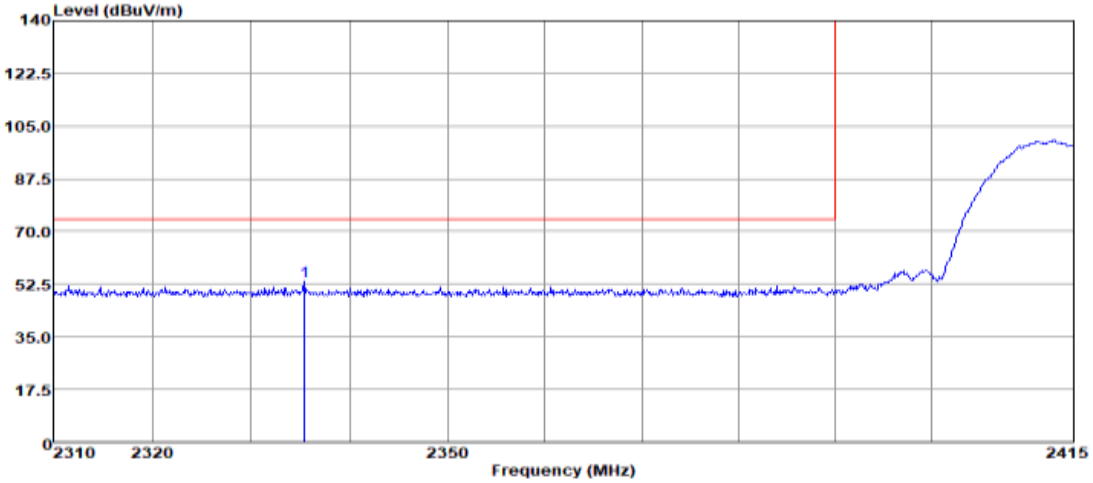
Test Mode:

1.3.1Test Mode: 11B



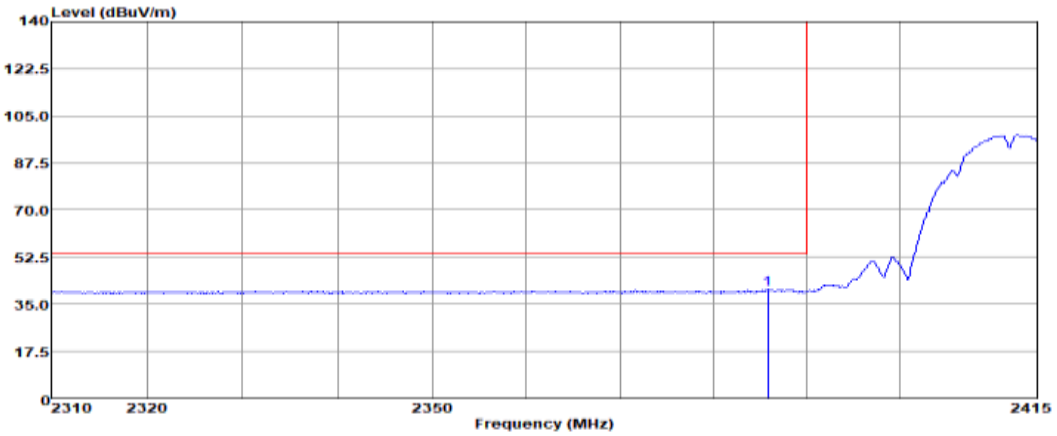
1.3.1.1 Channel 1 @Ant 1

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	2335.41	53.27	-20.73	74.00	48.07	31.55	6.65	33.00	Peak

MEASUREMENT RESULT: AV 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	2385.81	40.48	-13.52	54.00	35.17	31.50	6.81	33.00	Average

Note2:

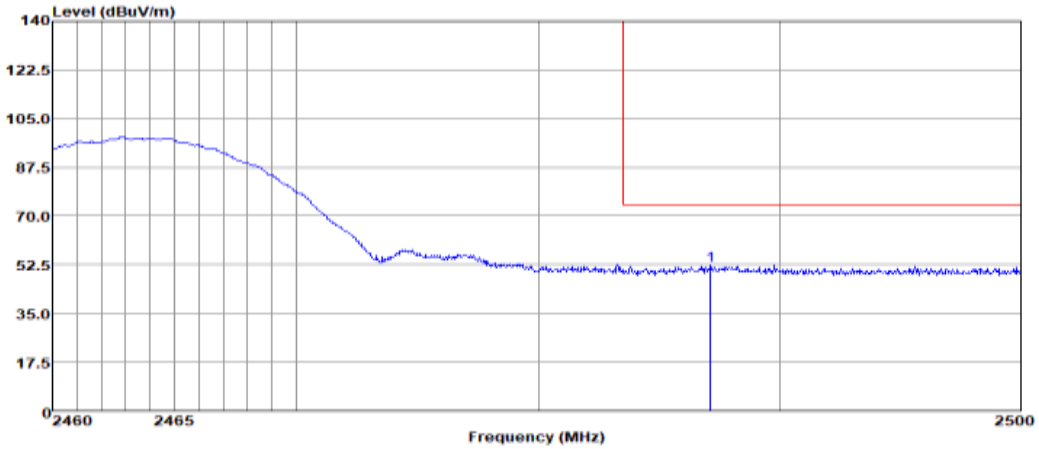
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit - Level

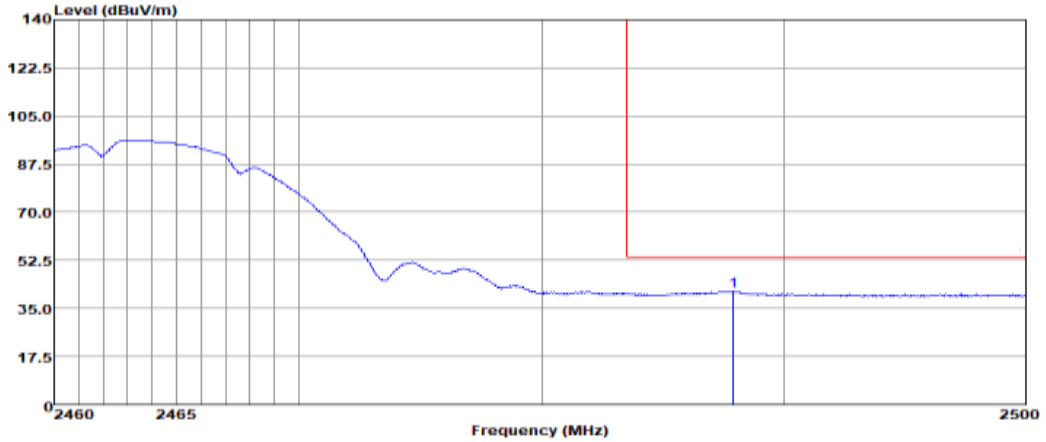
1.3.1.2 Channel 11@Ant 1

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	2487.12	52.15	-21.85	74.00	46.38	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV 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	2487.88	41.21	-12.79	54.00	35.37	31.93	6.91	33.00	Average

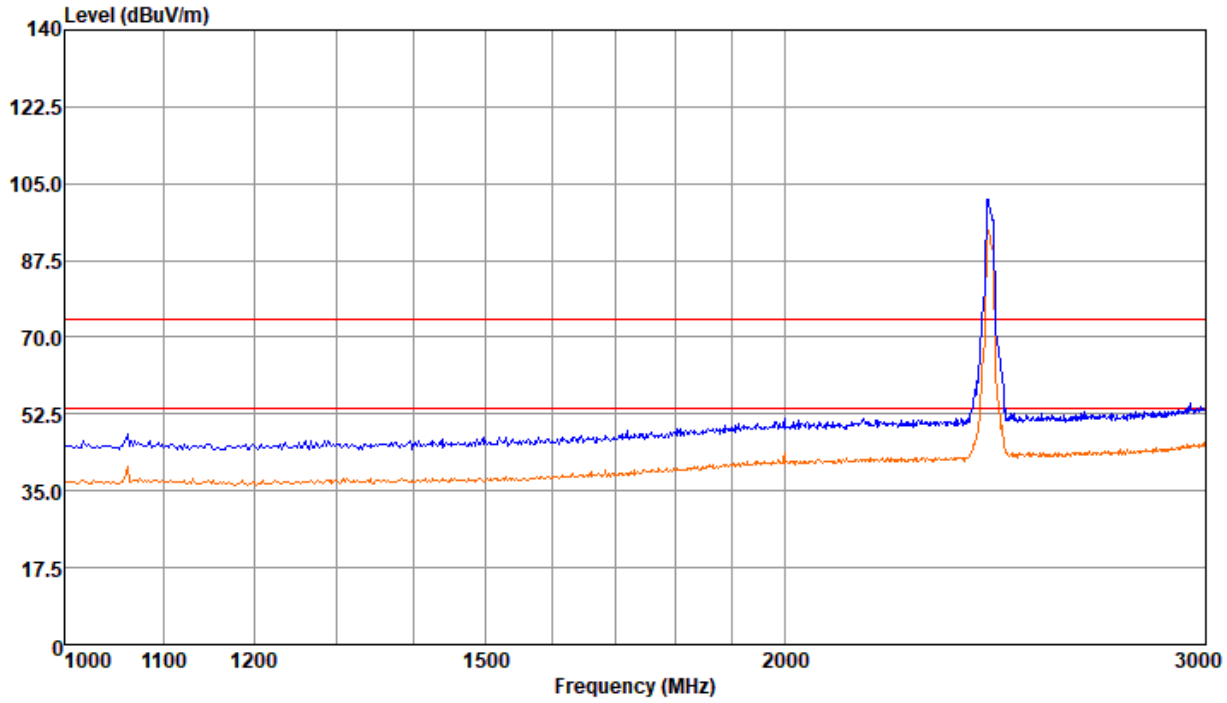
Note2:

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.

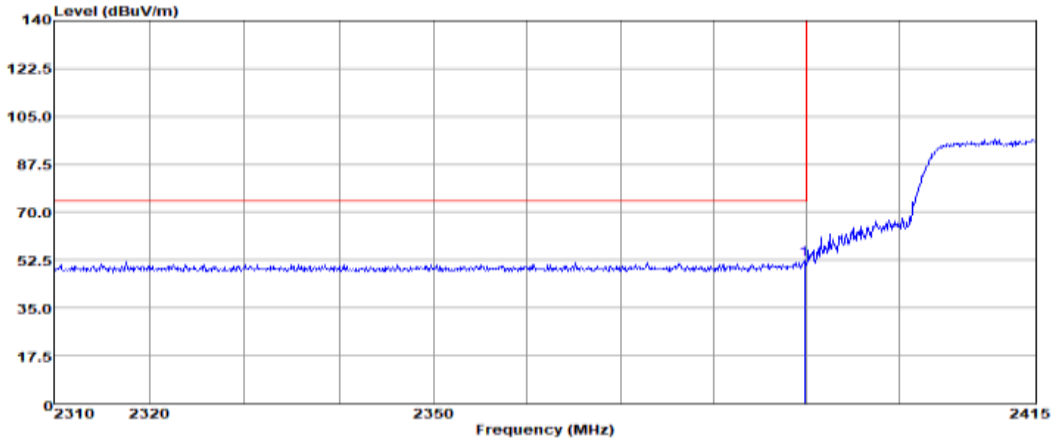
2, Margin=Limit - Level

1.3.2 Test Mode: 11G



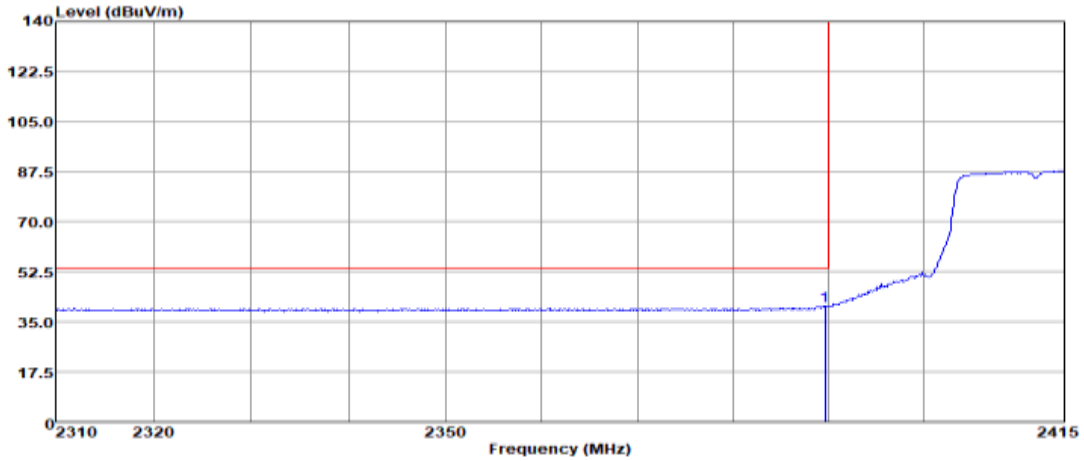
1.3.2.1 Channel 1 @Ant 1

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	2389.80	52.70	-21.30	74.00	47.39	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	2389.70	40.51	-13.49	54.00	35.20	31.50	6.81	33.00	Average

Note2:

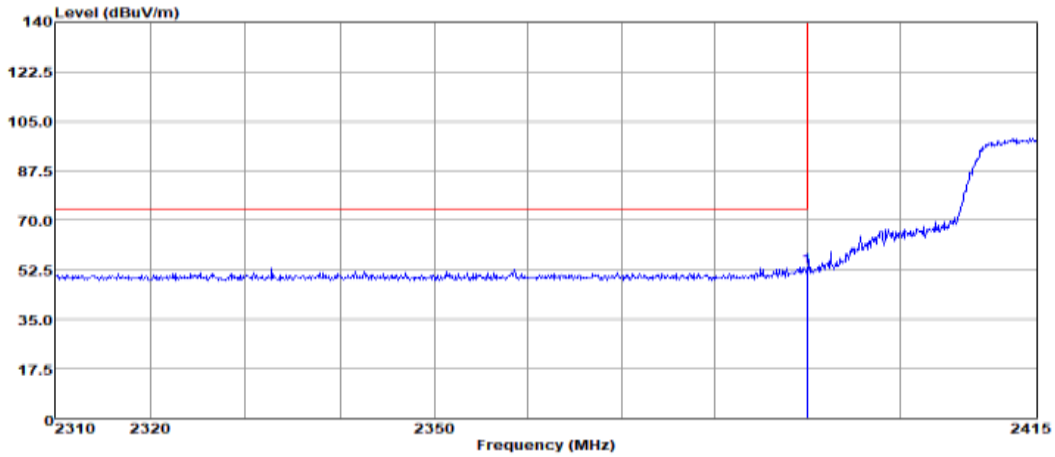
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit - Level

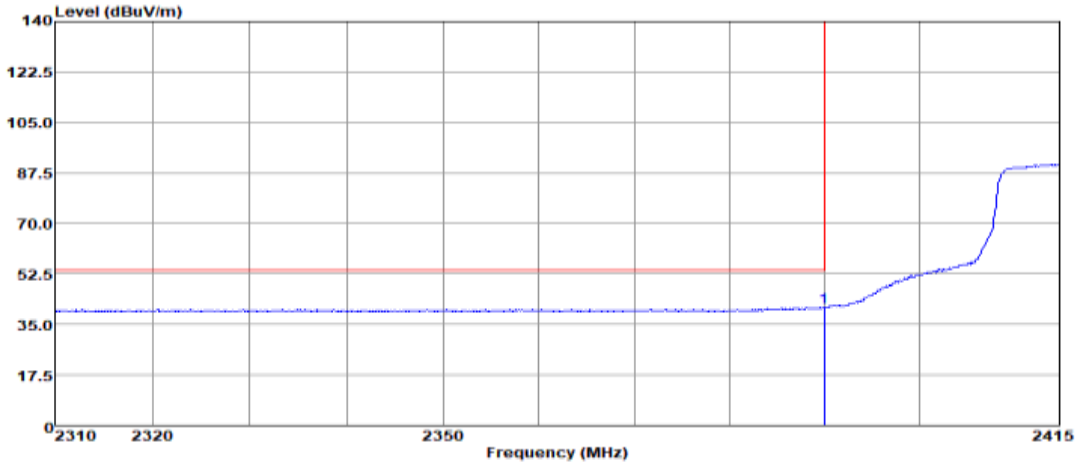
1.3.2.2 Channel 2 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2390.00	53.32	-20.68	74.00	48.01	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV 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	2390.00	40.96	-13.04	54.00	35.65	31.50	6.81	33.00	Average

Note2:

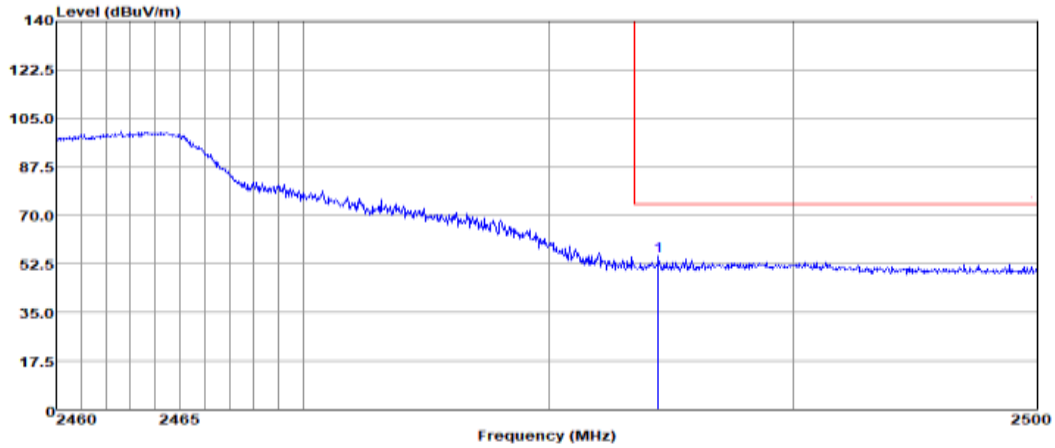
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit - Level

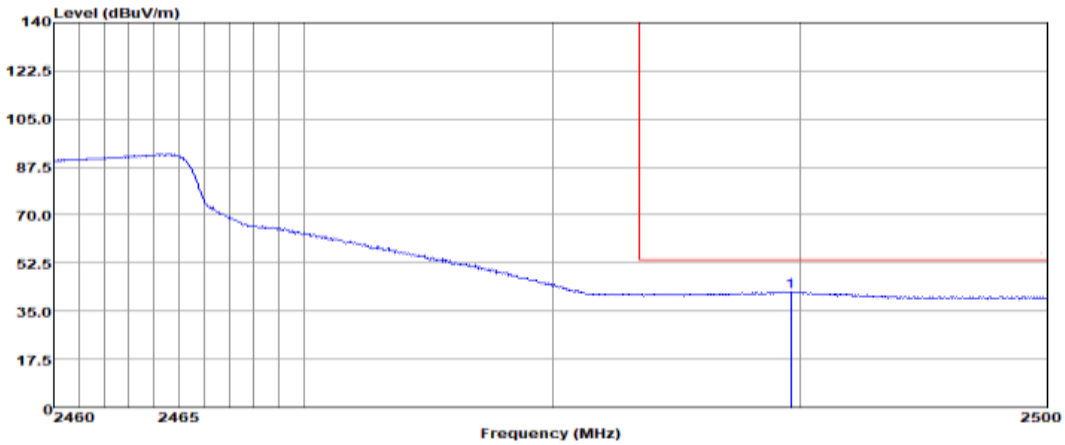
1.3.2.3 Channel 10 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	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	55.23	-18.77	74.00	49.46	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	2489.60	41.94	-12.06	54.00	36.10	31.93	6.91	33.00	Average

Note2:

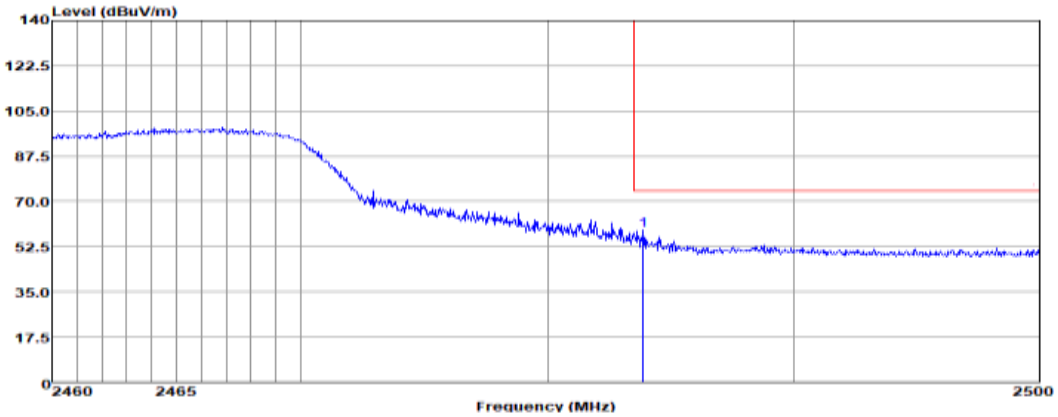
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit - Level

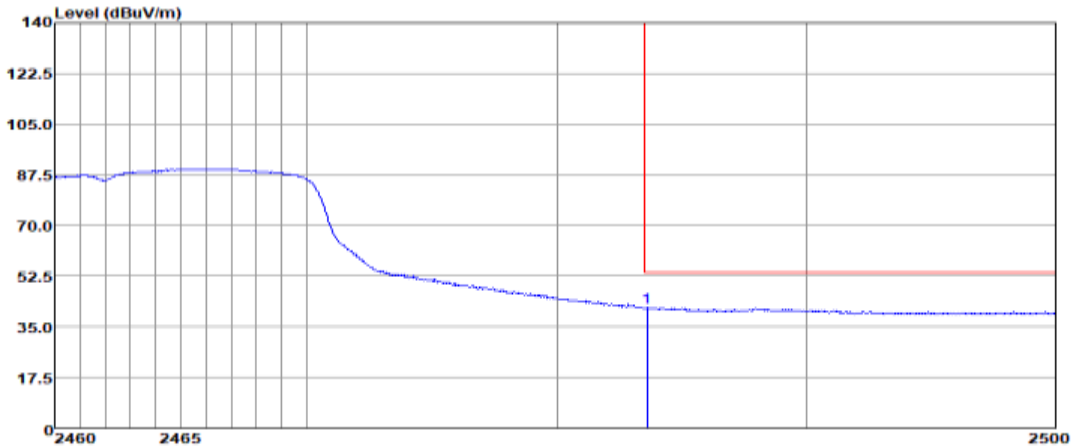
1.3.2.4 Channel 11 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2483.88	58.71	-15.29	74.00	52.94	31.86	6.91	33.00	Peak

MEASUREMENT RESULT: AV 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	2483.60	41.54	-12.46	54.00	35.77	31.86	6.91	33.00	Average

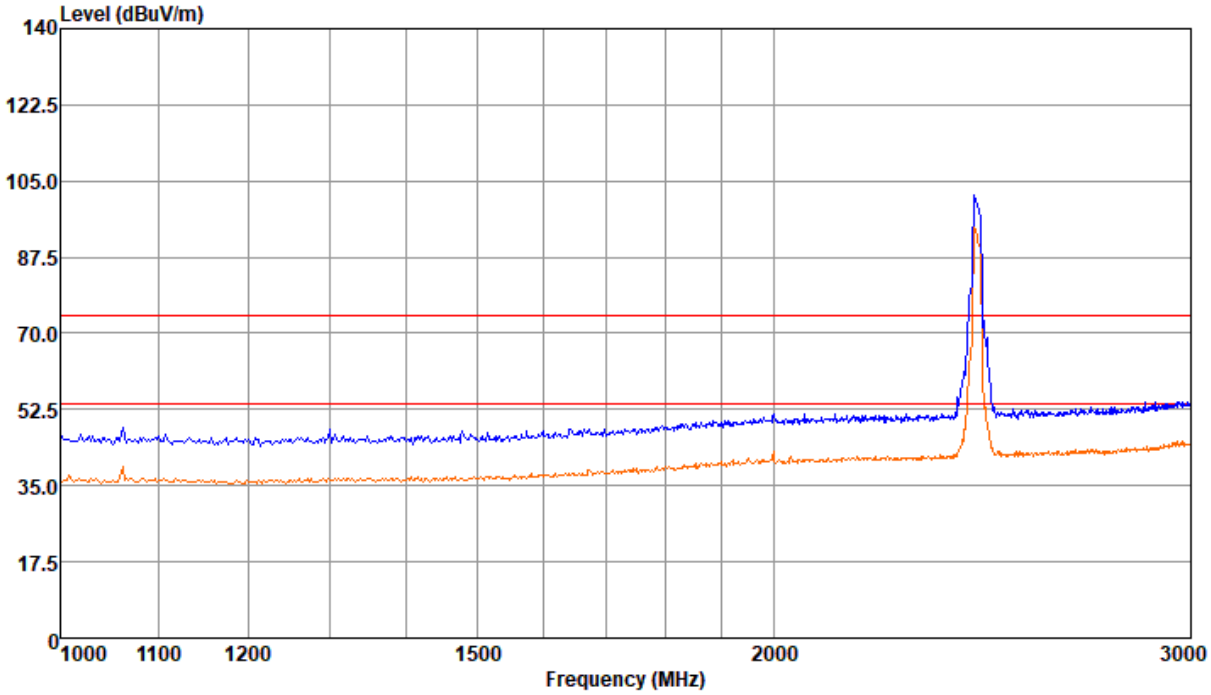
Note2:

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.

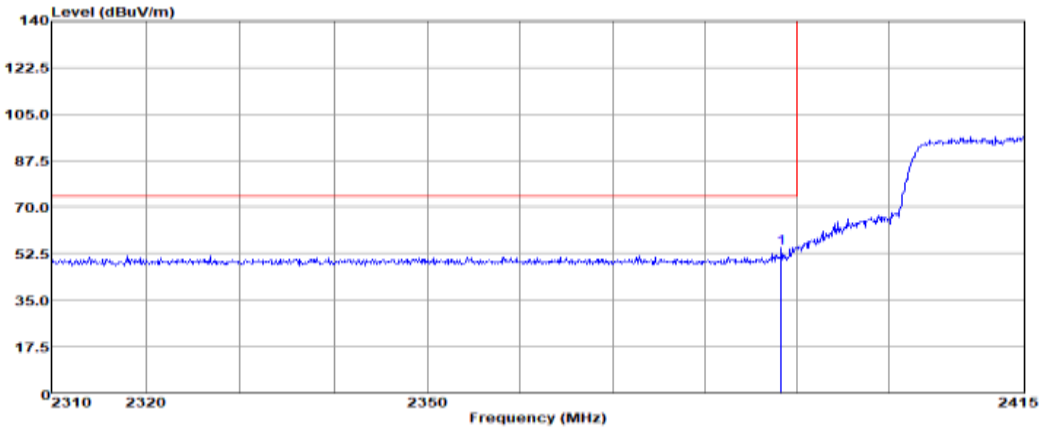
2, Margin=Limit - Level

1.3.3 Test Mode: 11N20



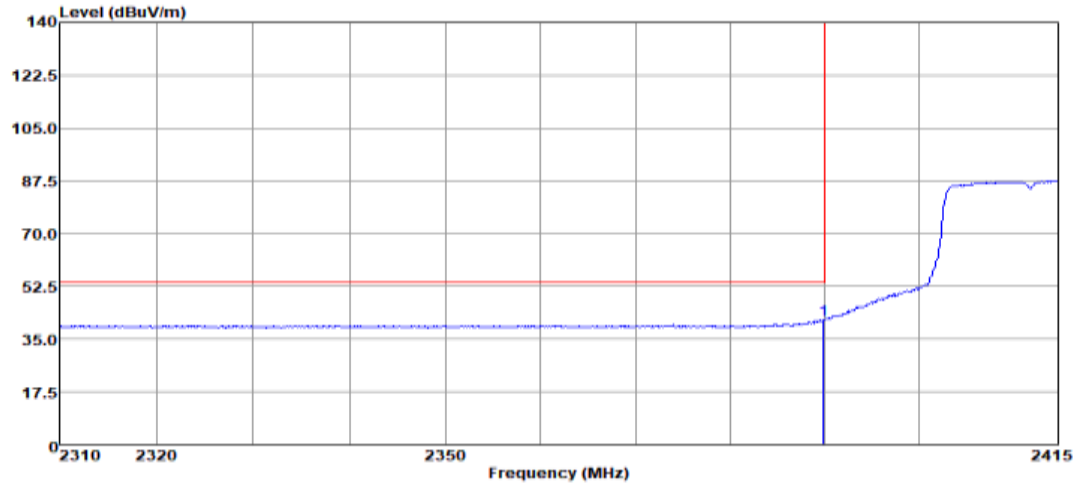
1.3.3.1 Channel 1 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2388.33	54.70	-19.30	74.00	49.39	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	2389.91	41.44	-12.56	54.00	36.13	31.50	6.81	33.00	Average

Note2:

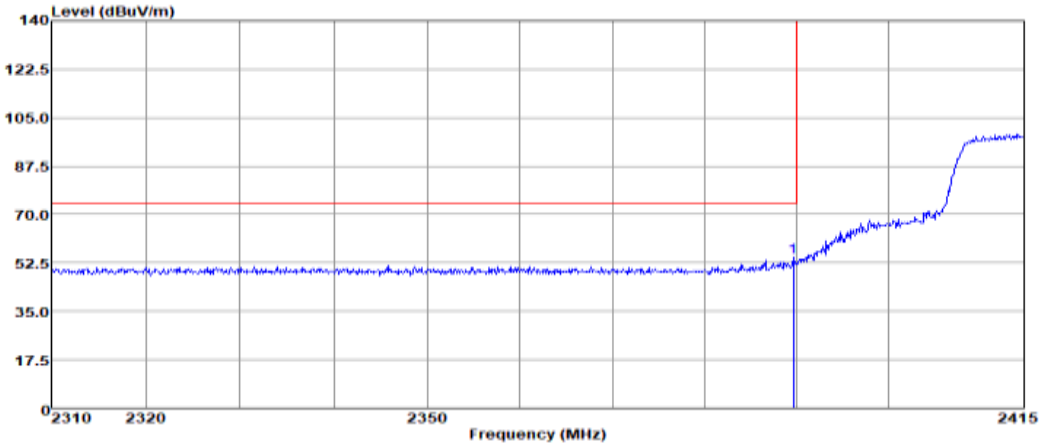
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit – Level

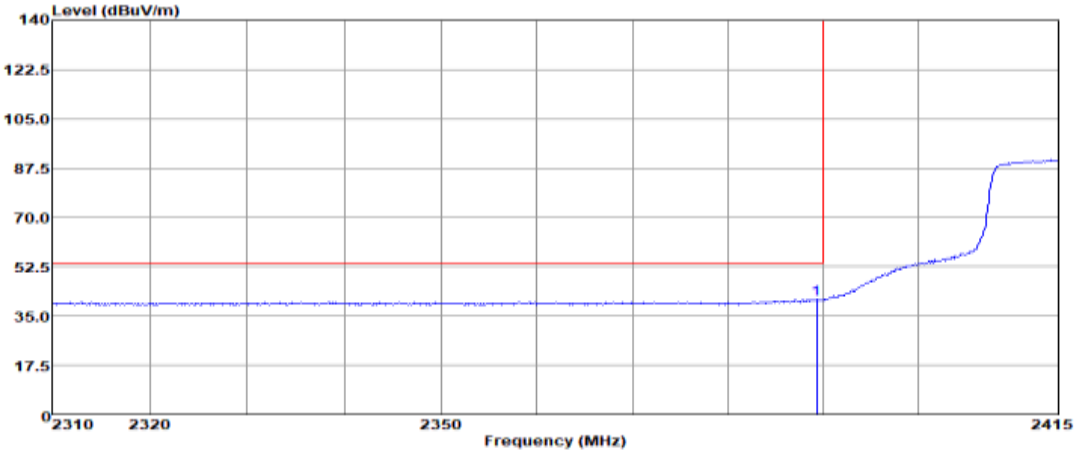
1.3.3.2 Channel 2 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.70	54.52	-19.48	74.00	49.21	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV 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	2389.38	40.75	-13.25	54.00	35.44	31.50	6.81	33.00	Average

Note2:

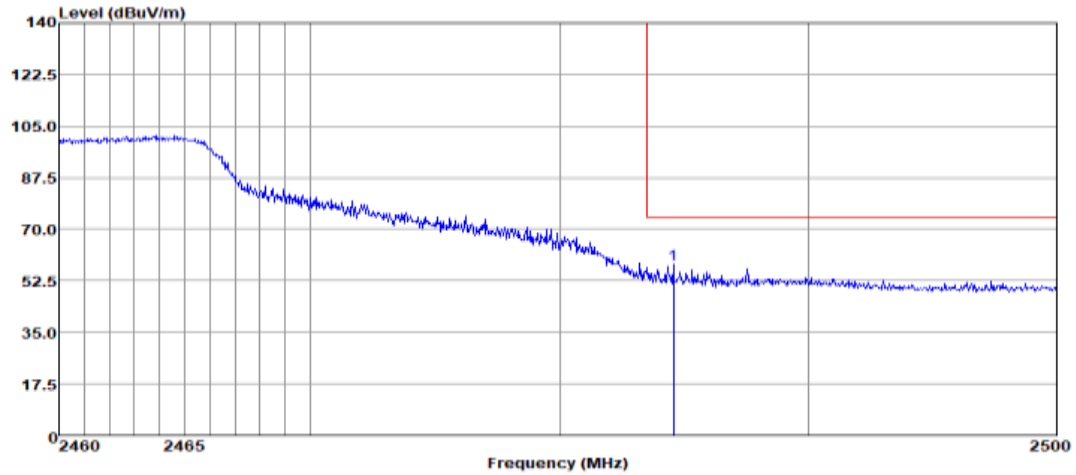
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit – Level

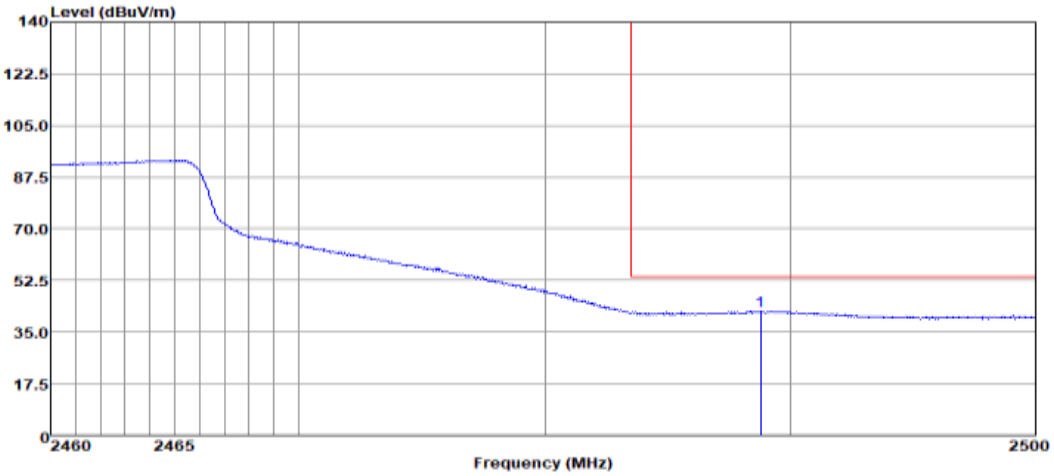
1.3.3.3 Channel 10 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2484.56	58.29	-15.71	74.00	52.52	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	2488.76	42.09	-11.91	54.00	36.25	31.93	6.91	33.00	Average

Note2:

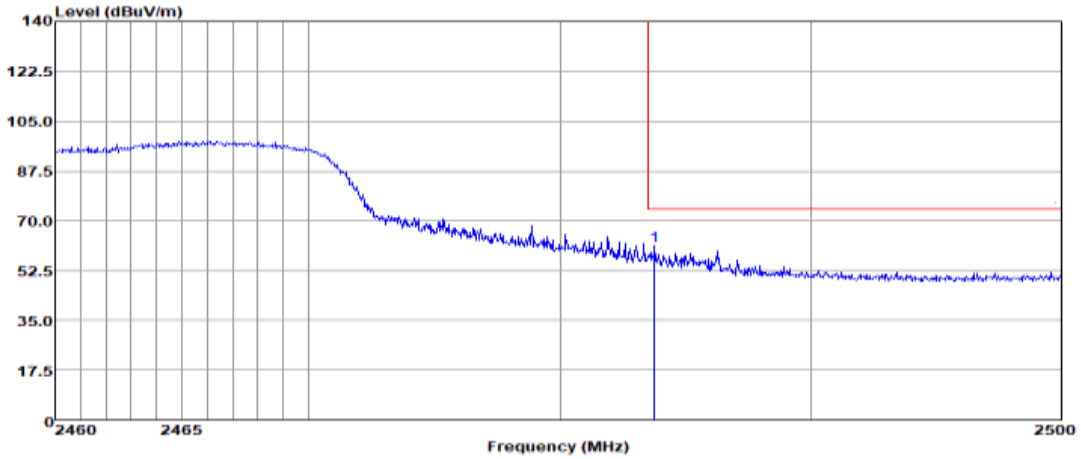
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit – Level

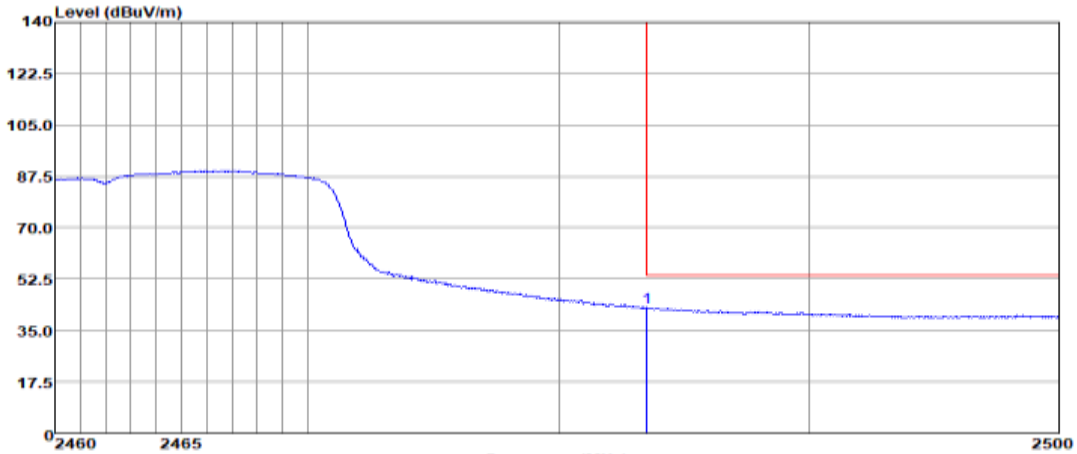
1.3.3.4 Channel 11 @Ant 1

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	2483.76	61.30	-12.70	74.00	55.53	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	42.71	-11.29	54.00	36.94	31.86	6.91	33.00	Average

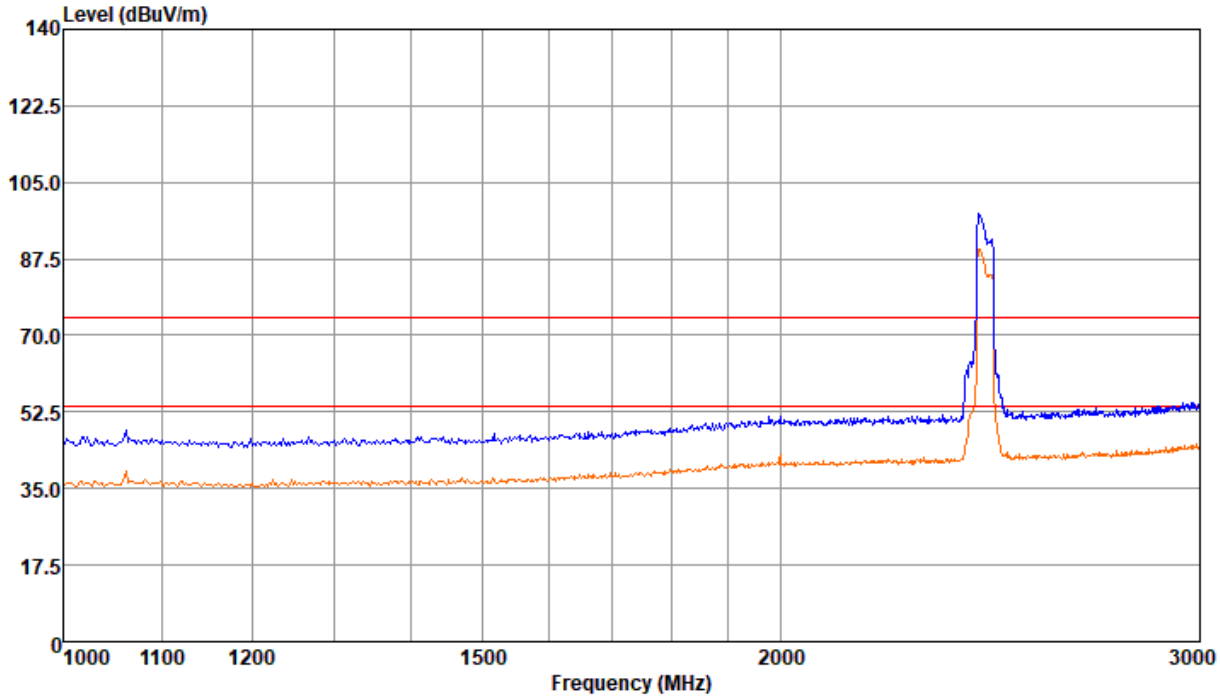
Note2:

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.

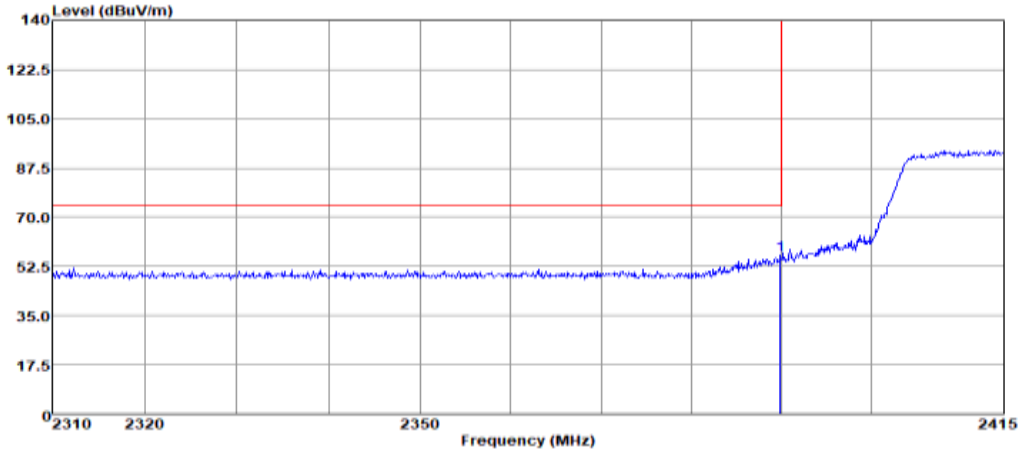
2, Margin=Limit - Level

1.3.4 Test Mode: 11N40



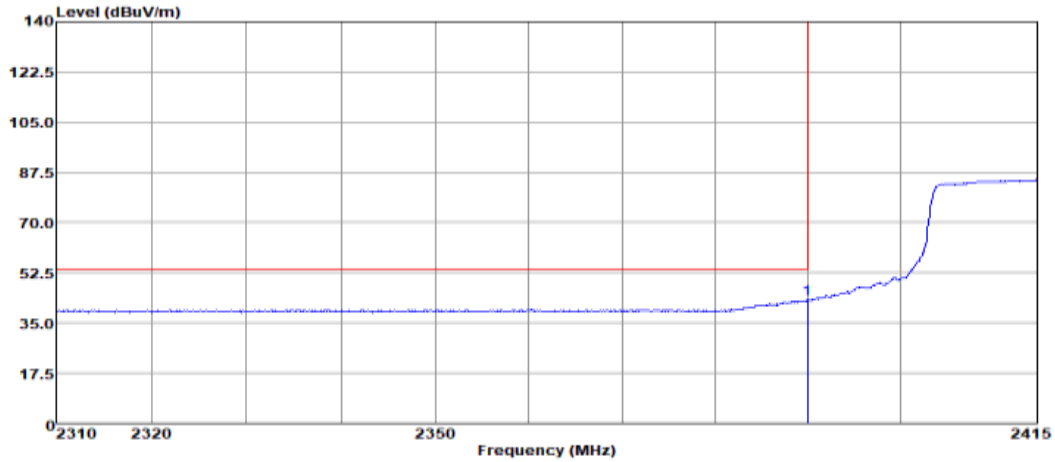
1.3.4.1 Channel 3 @Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2389.91	56.38	-17.62	74.00	51.07	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV 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	2390.00	43.15	-10.85	54.00	37.84	31.50	6.81	33.00	Average

Note2:

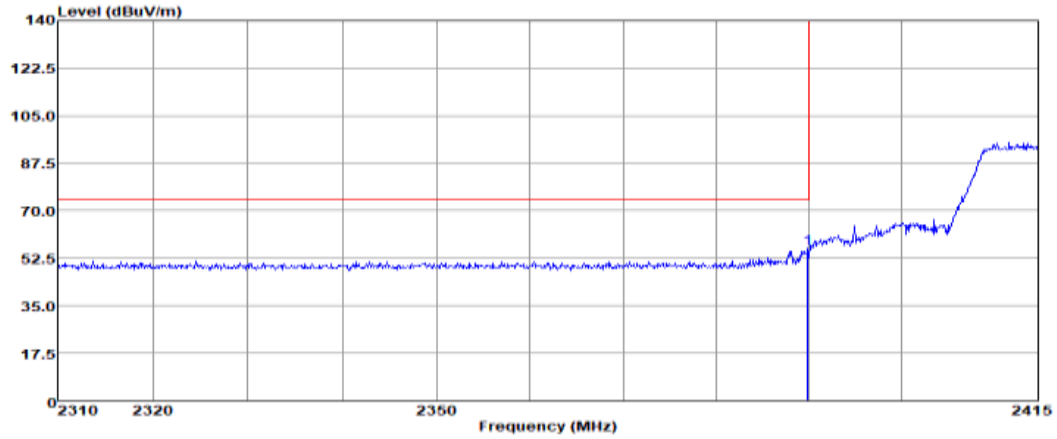
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit – Level

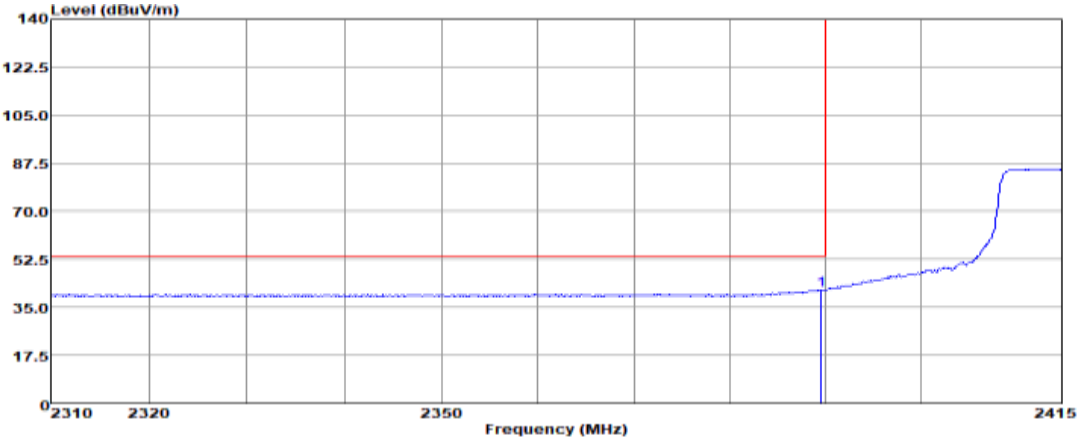
1.3.4.2 Channel 4 @Ant 1

MEASUREMENT RESULT: PK Detector



	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	2389.91	55.98	-18.02	74.00	50.67	31.50	6.81	33.00	Peak

MEASUREMENT RESULT: AV 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	2389.59	41.44	-12.56	54.00	36.13	31.50	6.81	33.00	Average

Note2:

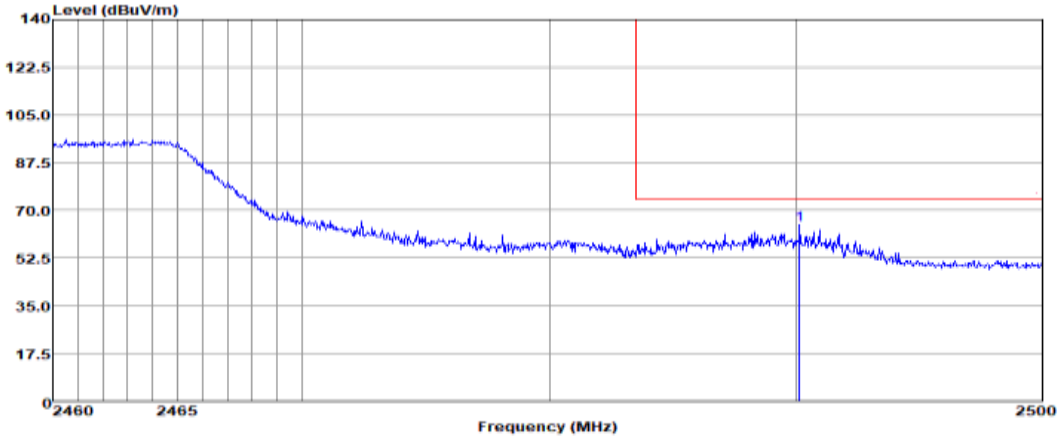
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit – Level

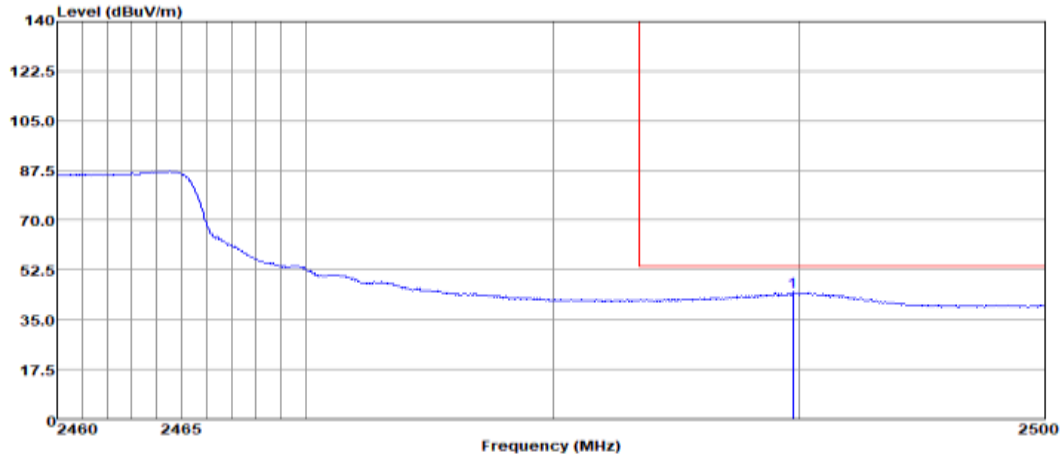
1.3.4.3 Channel 8@Ant 1

MEASUREMENT RESULT: PK Detector



	Freq	Level	Over Limit	Limit Line	ReadAntenna Level	Antenna Factor	Cable Loss	Preamp Factor	Remark
	MHz	dBuV/m	dB	dBuV/m	dBuV	dB/m	dB	dB	
1 pp	2490.12	64.77	-9.23	74.00	58.93	31.93	6.91	33.00	Peak

MEASUREMENT RESULT: AV 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	2489.72	44.68	-9.32	54.00	38.84	31.93	6.91	33.00	Average

Note2:

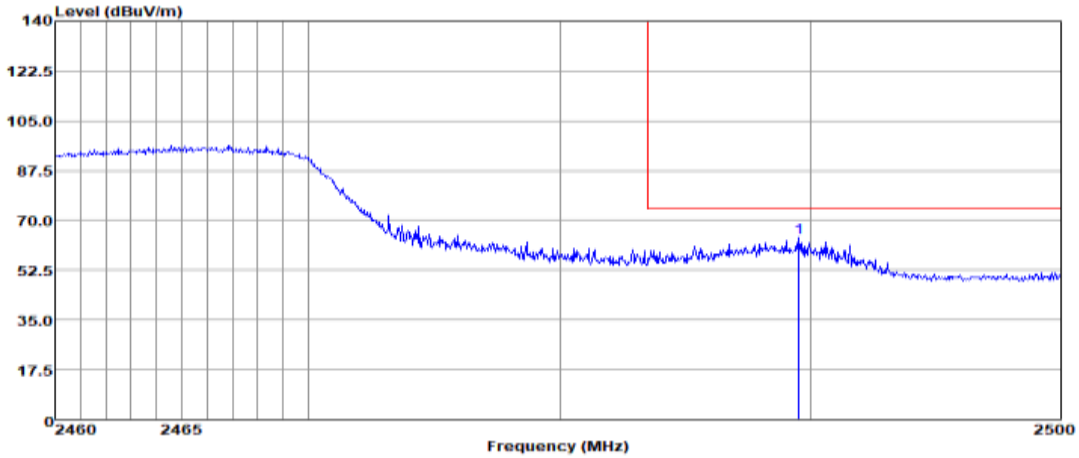
1, Level =Reading level by receiver + Transd (Antenna factor + cable loss – preamplifier gain)

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

2, Margin=Limit - Level

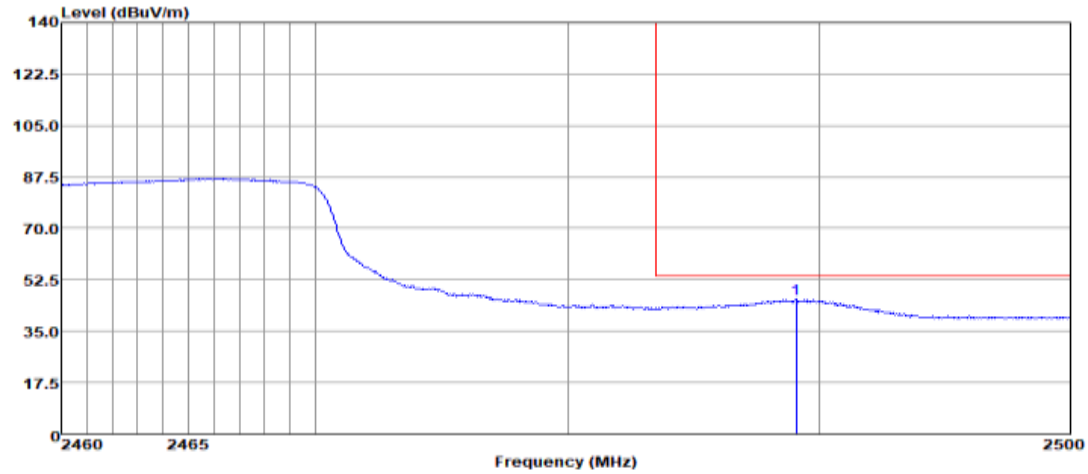
1.3.4.4 Channel 9@Ant 1

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	2489.52	63.81	-10.19	74.00	57.97	31.93	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	2489.08	45.85	-8.15	54.00	40.01	31.93	6.91	33.00	Average

Note2:

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

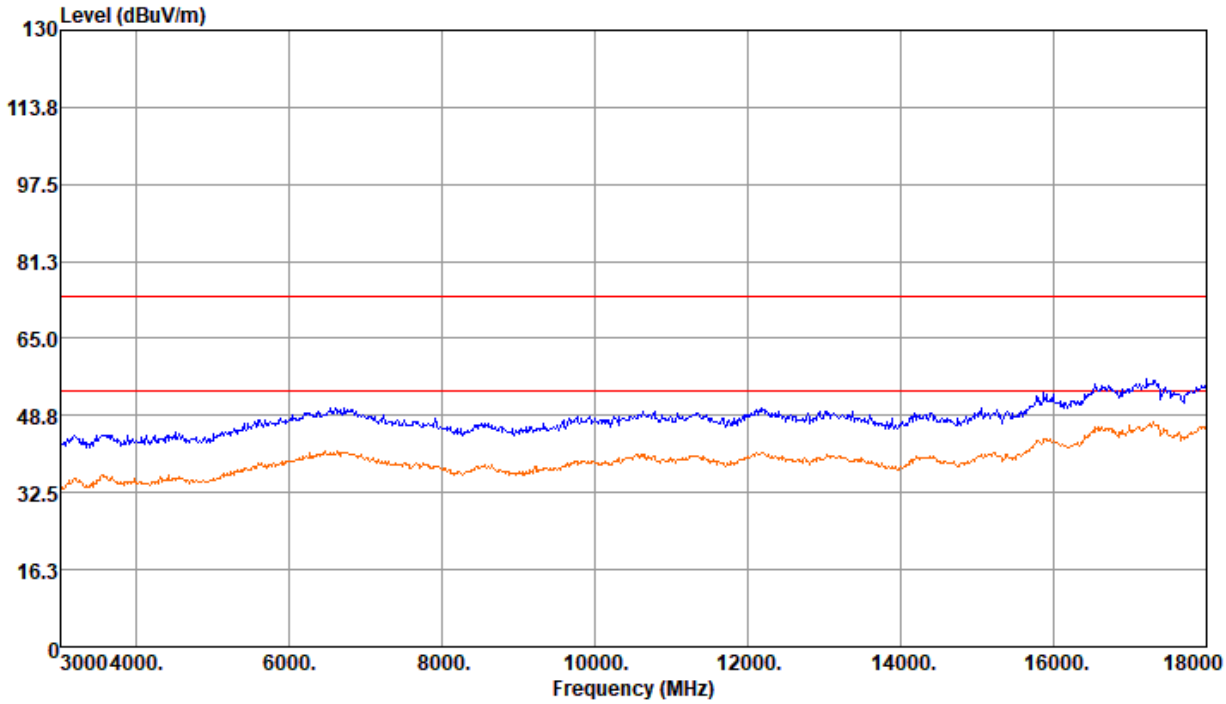
1.4 Part 4: Testing Range of “3 GHz to 18 GHz”

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

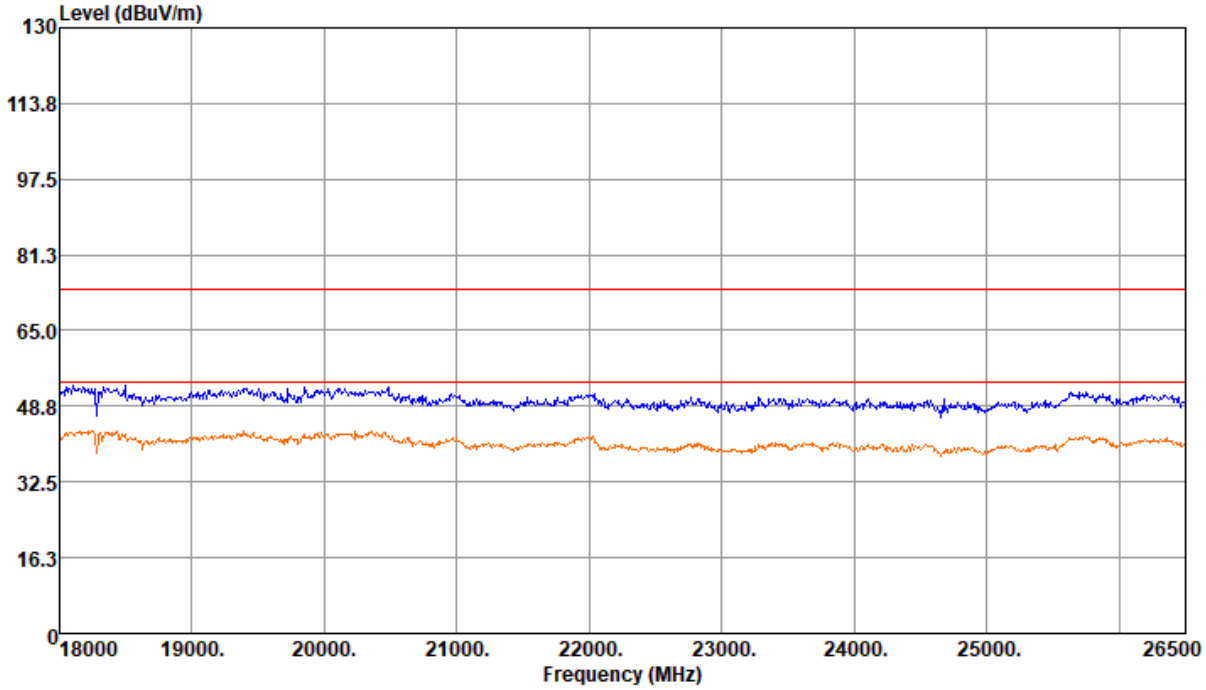


1.5 Part 5: Testing Range of “18 GHz to 26.5 GHz”

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.

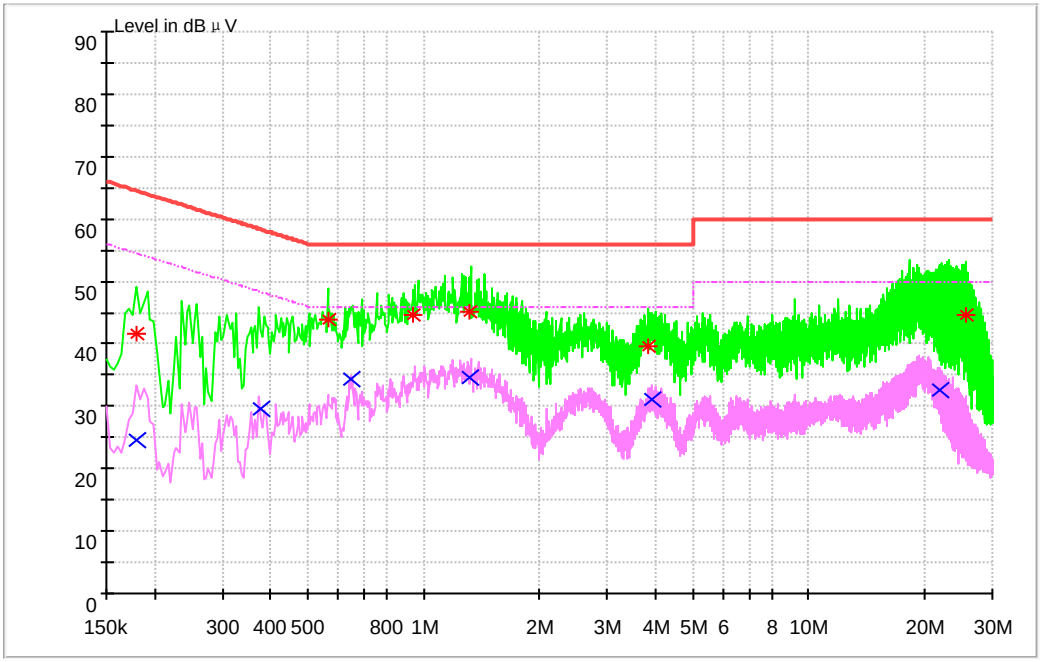
Note 2: The testing range of “18 GHz to 26.5 GHz” is for checking radiated emissions located in restricted bands faraway from the EUT operating bands.

Note 3: Two limits are required in the testing range above 1 GHz, that is Peak limit (74 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 (dB µ V)	Limit (dB µ V)	Transd. (dB)	Margin (dB)	Line	PE
0.178705	41.74	64.55	9.7	22.81	N	FLO
0.564115	43.80	56.00	9.7	12.20	L1	FLO
0.938498	44.54	56.00	9.8	11.46	L1	FLO
1.322192	45.07	56.00	9.8	10.93	L1	FLO
3.824644	39.58	56.00	10.0	16.42	L1	FLO
25.660164	44.59	60.00	12.4	15.41	L1	FLO

MEASUREMENT RESULT: AV Detector

Frequency (MHz)	Level (dB µ V)	Limit (dB µ V)	Transd. (dB)	Margin (dB)	Line	PE
0.178588	24.46	54.55	9.7	30.09	N	FLO
0.378553	29.55	48.31	9.7	18.76	L1	FLO
0.645985	34.34	46.00	9.7	11.66	L1	FLO
1.321820	34.57	46.00	9.8	11.43	L1	FLO

3.927764	31.18	46.00	10.1	14.82	L1	FLO
21.846902	32.65	50.00	12.1	17.35	L1	FLO

Note2:

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