



11.3. Appendix C: Maximum AVG conducted output power
11.3.1. Test Result

Test Mode	Antenna	Channel	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	2412	19.25	<=30	PASS
	Ant2	2412	19.80	<=30	PASS
	total	2412	22.54	<=30	PASS
	Ant1	2417	21.30	<=30	PASS
	Ant2	2417	21.33	<=30	PASS
	total	2417	24.33	<=30	PASS
	Ant1	2437	21.37	<=30	PASS
	Ant2	2437	21.33	<=30	PASS
	total	2437	24.36	<=30	PASS
	Ant1	2457	21.45	<=30	PASS
	Ant2	2457	21.26	<=30	PASS
	total	2457	24.37	<=30	PASS
	Ant1	2462	20.59	<=30	PASS
	Ant2	2462	20.24	<=30	PASS
	total	2462	23.43	<=30	PASS
11G-CDD	Ant1	2412	17.40	<=30	PASS
	Ant2	2412	17.35	<=30	PASS
	total	2412	20.39	<=30	PASS
	Ant1	2417	20.60	<=30	PASS
	Ant2	2417	20.52	<=30	PASS
	total	2417	23.57	<=30	PASS
	Ant1	2437	21.20	<=30	PASS
	Ant2	2437	21.06	<=30	PASS
	total	2437	24.14	<=30	PASS
	Ant1	2457	21.28	<=30	PASS
	Ant2	2457	21.08	<=30	PASS
	total	2457	24.19	<=30	PASS
	Ant1	2462	18.15	<=30	PASS
	Ant2	2462	17.91	<=30	PASS
	total	2462	21.04	<=30	PASS
11N20MIMO	Ant1	2412	17.83	<=30	PASS
	Ant2	2412	17.94	<=30	PASS
	total	2412	20.90	<=30	PASS
	Ant1	2417	20.04	<=30	PASS
	Ant2	2417	20.20	<=30	PASS
	total	2417	23.13	<=30	PASS
	Ant1	2437	21.11	<=30	PASS
	Ant2	2437	20.77	<=30	PASS
	total	2437	23.95	<=30	PASS
	Ant1	2457	20.31	<=30	PASS
	Ant2	2457	19.86	<=30	PASS
	total	2457	23.10	<=30	PASS
	Ant1	2462	18.23	<=30	PASS
	Ant2	2462	17.65	<=30	PASS
	total	2462	20.96	<=30	PASS
11N40MIMO	Ant1	2422	16.64	<=30	PASS
	Ant2	2422	16.17	<=30	PASS
	total	2422	19.42	<=30	PASS
	Ant1	2427	17.25	<=30	PASS
	Ant2	2427	16.79	<=30	PASS
	total	2427	20.04	<=30	PASS
	Ant1	2437	19.48	<=30	PASS



	Ant2	2437	19.12	<=30	PASS
	total	2437	22.31	<=30	PASS
	Ant1	2447	17.07	<=30	PASS
	Ant2	2447	16.15	<=30	PASS
	total	2447	19.64	<=30	PASS
	Ant1	2452	16.96	<=30	PASS
	Ant2	2452	16.03	<=30	PASS
	total	2452	19.53	<=30	PASS

Note: 1. Conducted Power=Meas. Level+ Correction Factor

2. The Duty Cycle Factor (refer to section 7.1) had already compensated to the test data.



11.4. Appendix D: Maximum power spectral density
11.4.1. Test Result

Test Mode	Antenna	Channel	Result[dBm/3kHz]	Limit[dBm/3kHz]	Verdict
11B-CDD	Ant1	2412	-9.25	<=8	PASS
	Ant2	2412	-8.29	<=8	PASS
	total	2412	-5.73	<=8	PASS
	Ant1	2417	-7.39	<=8	PASS
	Ant2	2417	-3.55	<=8	PASS
	total	2417	-2.05	<=8	PASS
	Ant1	2437	-6.65	<=8	PASS
	Ant2	2437	-6.5	<=8	PASS
	total	2437	-3.56	<=8	PASS
	Ant1	2457	-9.54	<=8	PASS
	Ant2	2457	-8.17	<=8	PASS
	total	2457	-5.79	<=8	PASS
	Ant1	2462	-8.19	<=8	PASS
	Ant2	2462	-5.68	<=8	PASS
	total	2462	-3.75	<=8	PASS
11G-CDD	Ant1	2412	-13.73	<=8	PASS
	Ant2	2412	-13.38	<=8	PASS
	total	2412	-10.54	<=8	PASS
	Ant1	2417	-10.84	<=8	PASS
	Ant2	2417	-10.71	<=8	PASS
	total	2417	-7.76	<=8	PASS
	Ant1	2437	-9.35	<=8	PASS
	Ant2	2437	-10.35	<=8	PASS
	total	2437	-6.81	<=8	PASS
	Ant1	2457	-10.13	<=8	PASS
	Ant2	2457	-10.11	<=8	PASS
	total	2457	-7.11	<=8	PASS
	Ant1	2462	-13.32	<=8	PASS
	Ant2	2462	-13.31	<=8	PASS
	total	2462	-10.30	<=8	PASS
11N20MIMO	Ant1	2412	-14.46	<=8	PASS
	Ant2	2412	-13.68	<=8	PASS
	total	2412	-11.04	<=8	PASS
	Ant1	2417	-11.51	<=8	PASS
	Ant2	2417	-11.42	<=8	PASS
	total	2417	-8.45	<=8	PASS
	Ant1	2437	-10.84	<=8	PASS
	Ant2	2437	-10.67	<=8	PASS
	total	2437	-7.74	<=8	PASS
	Ant1	2457	-11.82	<=8	PASS
	Ant2	2457	-11.95	<=8	PASS
	total	2457	-8.87	<=8	PASS
	Ant1	2462	-14.59	<=8	PASS
	Ant2	2462	-14.5	<=8	PASS
	total	2462	-11.53	<=8	PASS
11N40MIMO	Ant1	2422	-18.96	<=8	PASS
	Ant2	2422	-18.64	<=8	PASS
	total	2422	-15.79	<=8	PASS
	Ant1	2427	-17.3	<=8	PASS
	Ant2	2427	-16.74	<=8	PASS
	total	2427	-14.00	<=8	PASS
	Ant1	2437	-14.45	<=8	PASS
	Ant2	2437	-15.52	<=8	PASS
total	2437	-11.94	<=8	PASS	



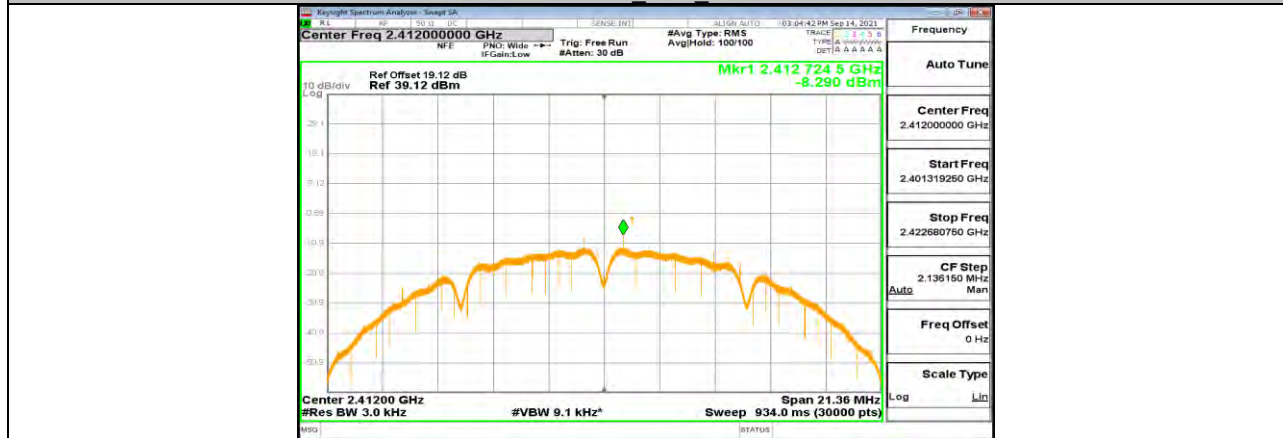
	Ant1	2447	-17.5	<=8	PASS
	Ant2	2447	-17.13	<=8	PASS
	total	2447	-14.30	<=8	PASS
	Ant1	2452	-17.65	<=8	PASS
	Ant2	2452	-17.87	<=8	PASS
	total	2452	-14.75	<=8	PASS



11.4.1. Test Graphs



11B-CDD Ant1 2412



11B-CDD Ant2 2412



11B-CDD Ant1 2417



11B-CDD Ant2 2417



11B-CDD Ant1 2437



11B-CDD Ant2 2437



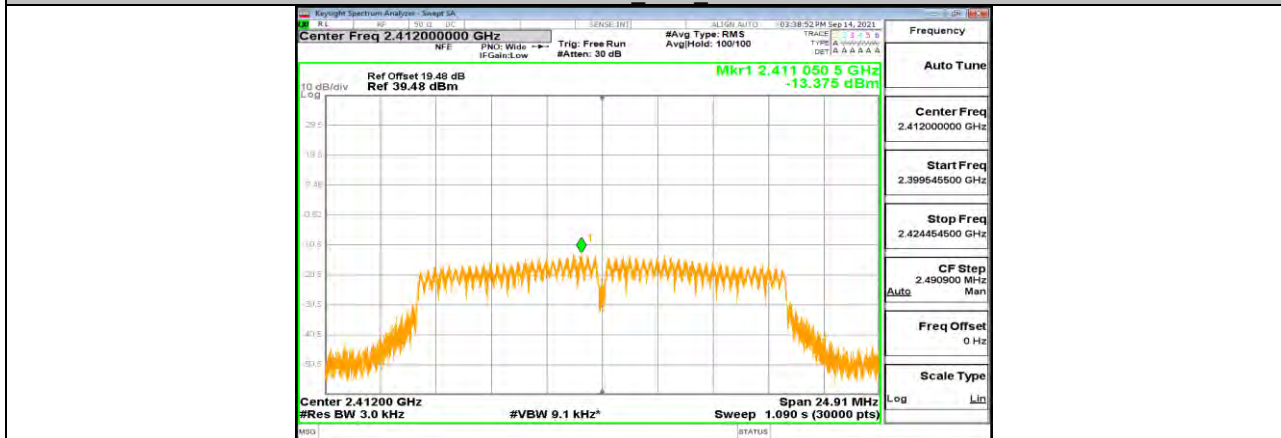
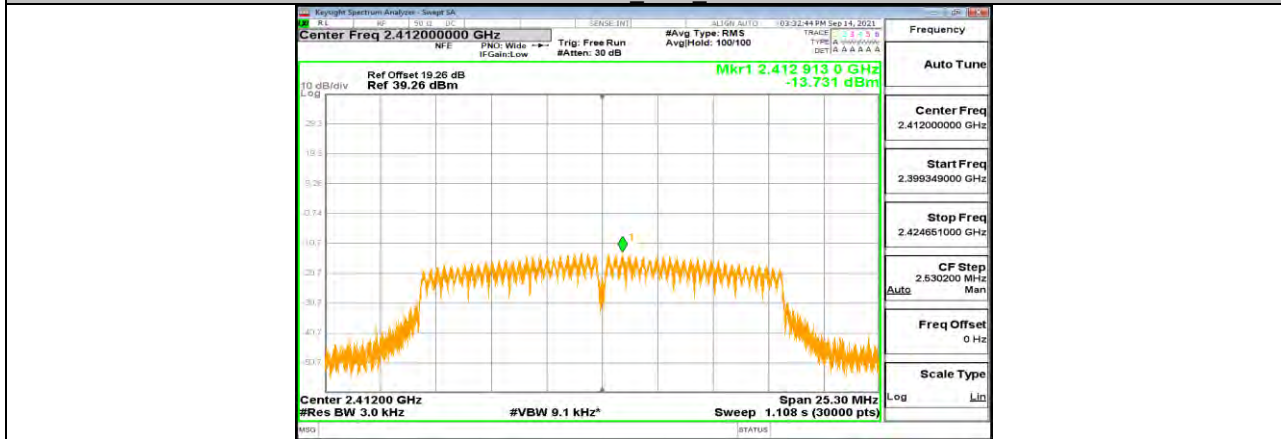
11B-CDD Ant1 2457

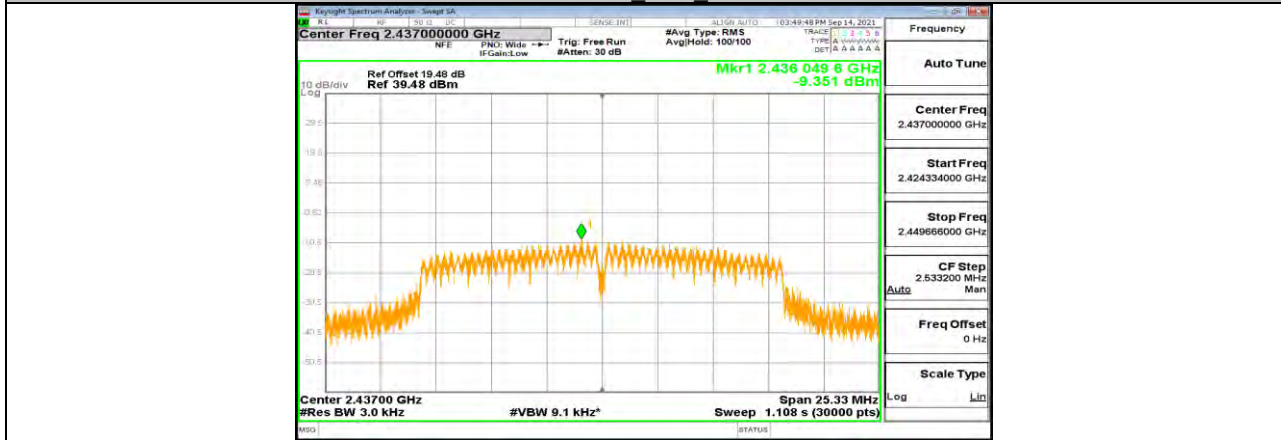
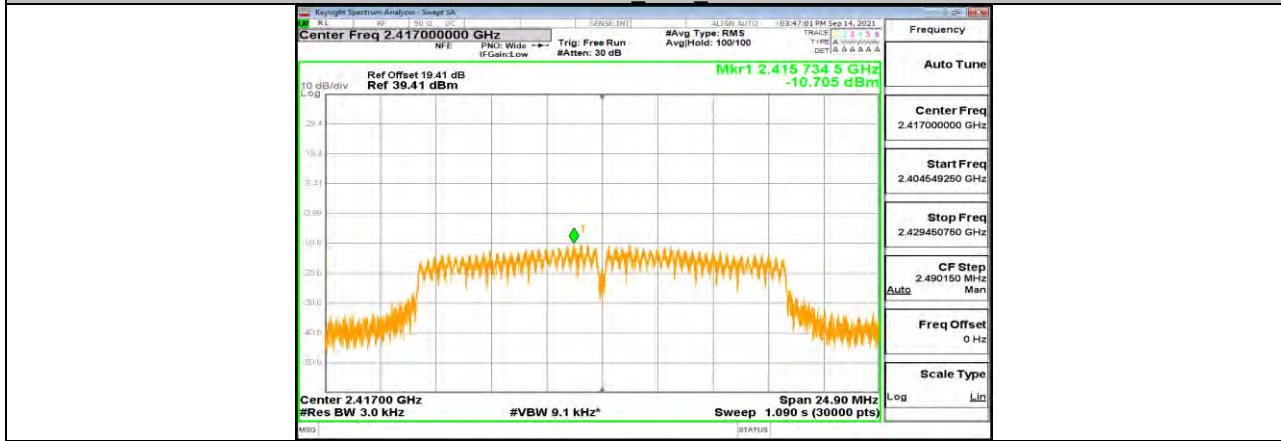
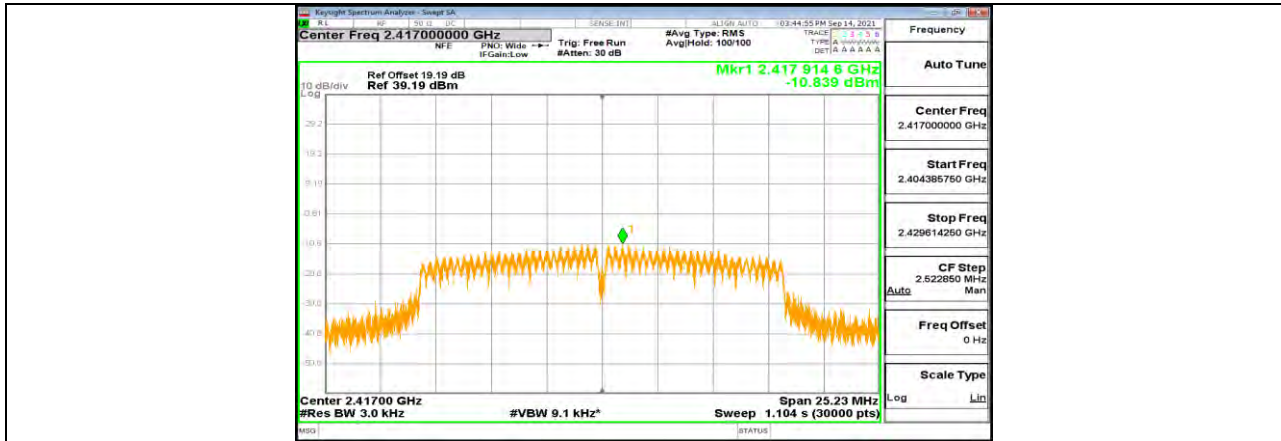


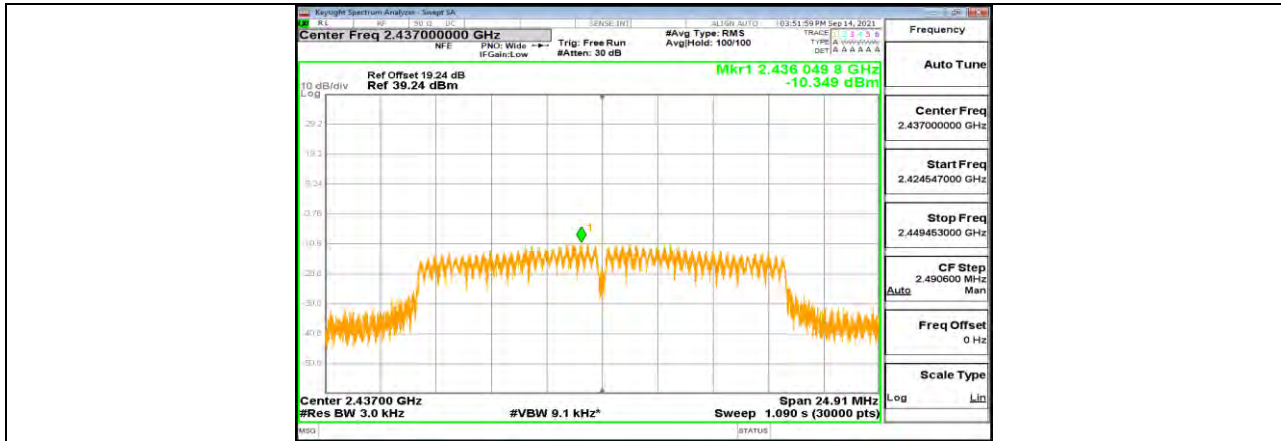
11B-CDD Ant2 2457



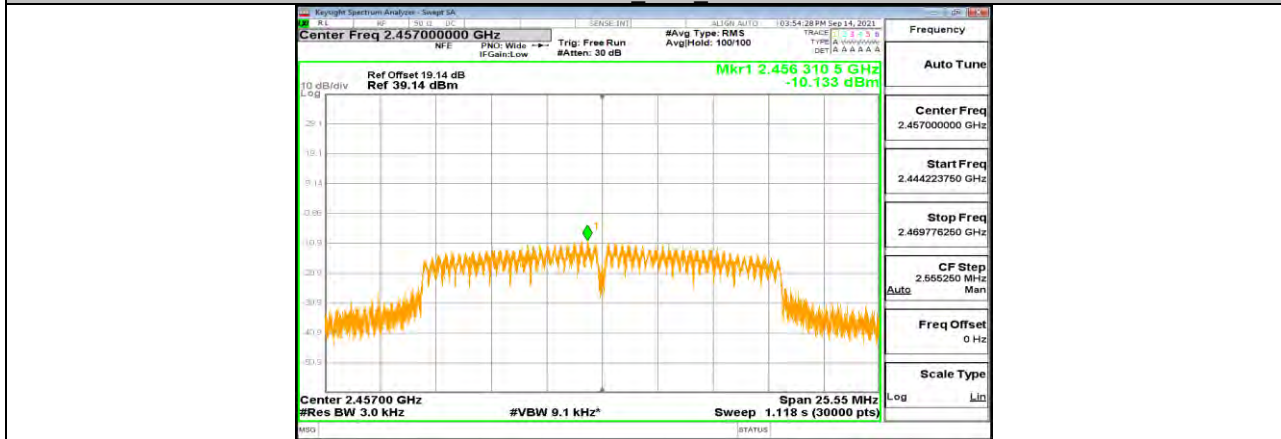
11B-CDD Ant1 2462



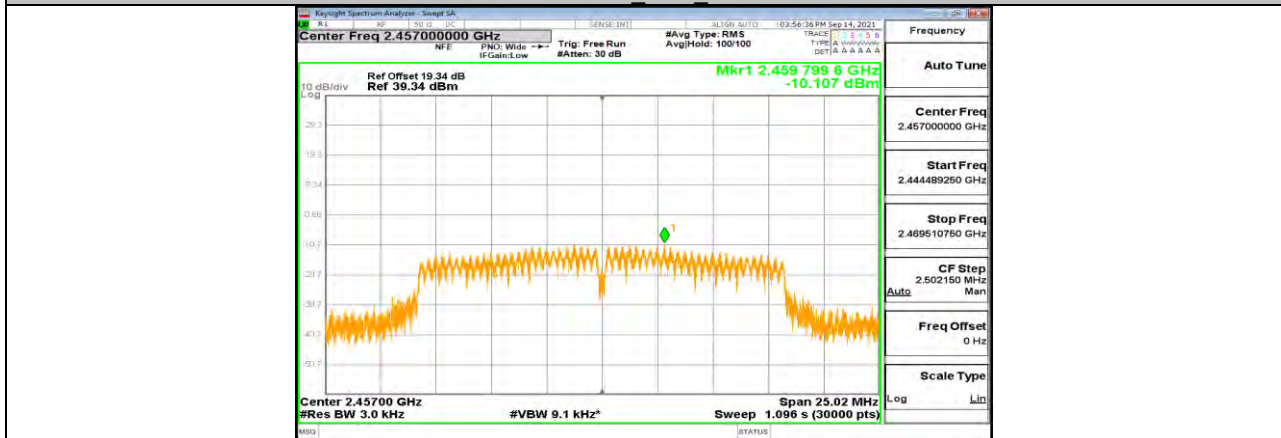




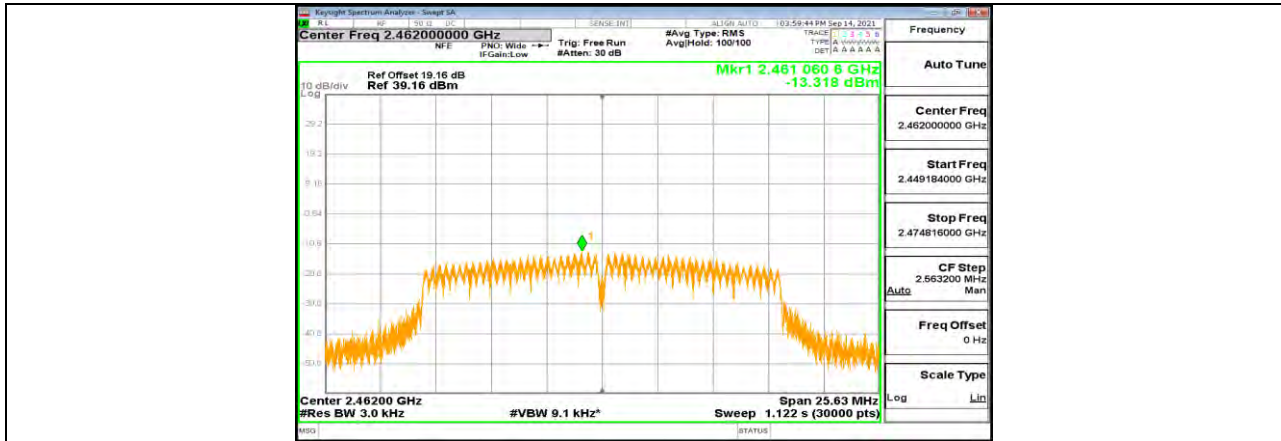
11G-CDD Ant2 2437



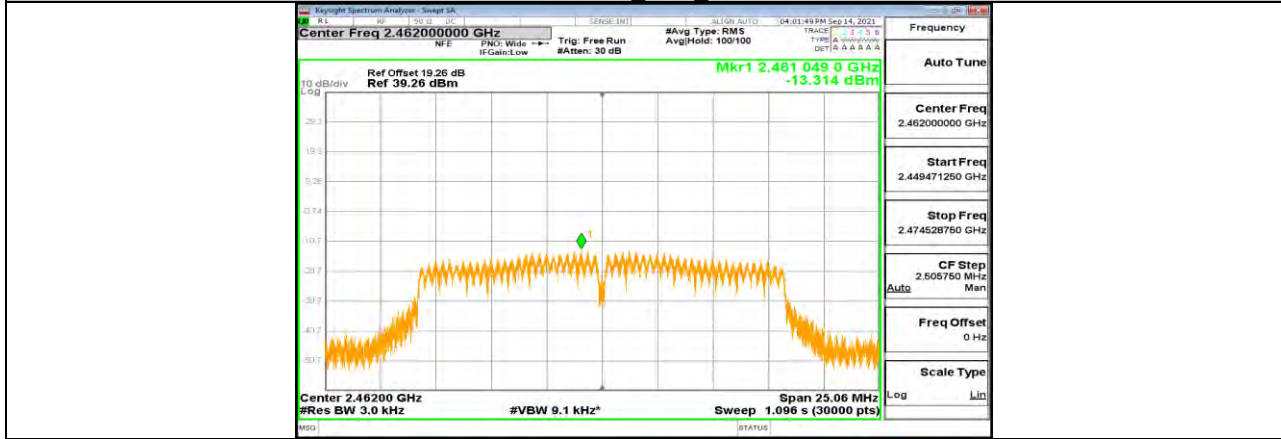
11G-CDD Ant1 2457



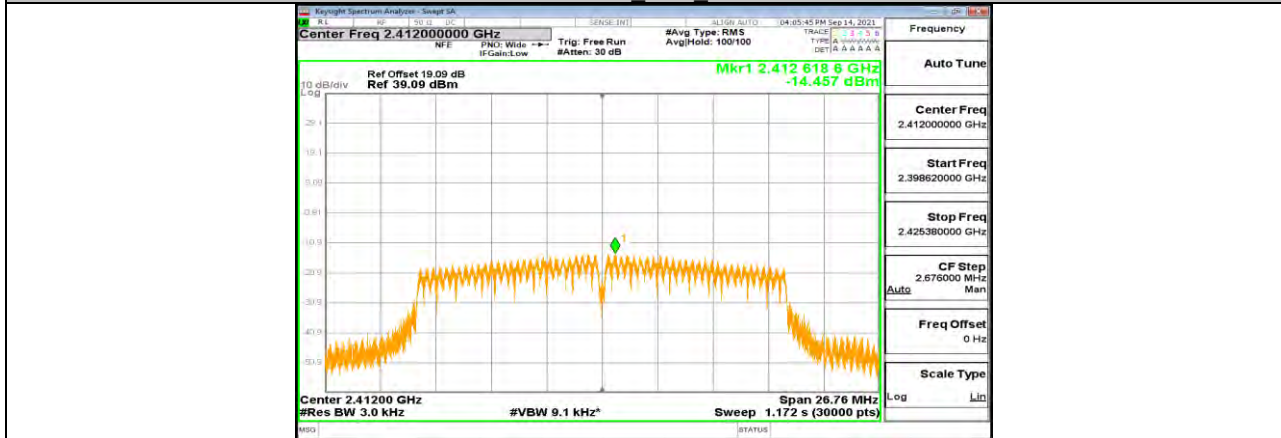
11G-CDD Ant2 2457



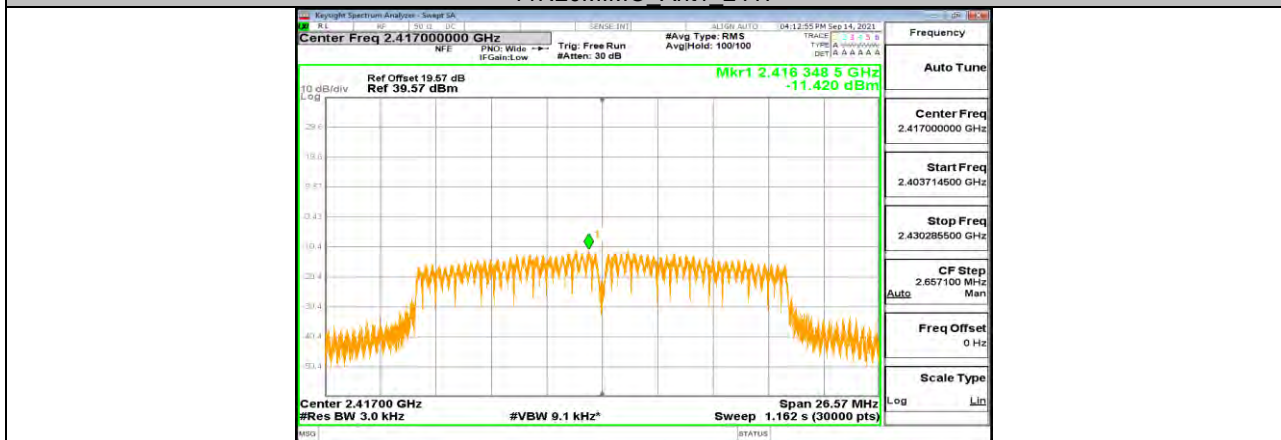
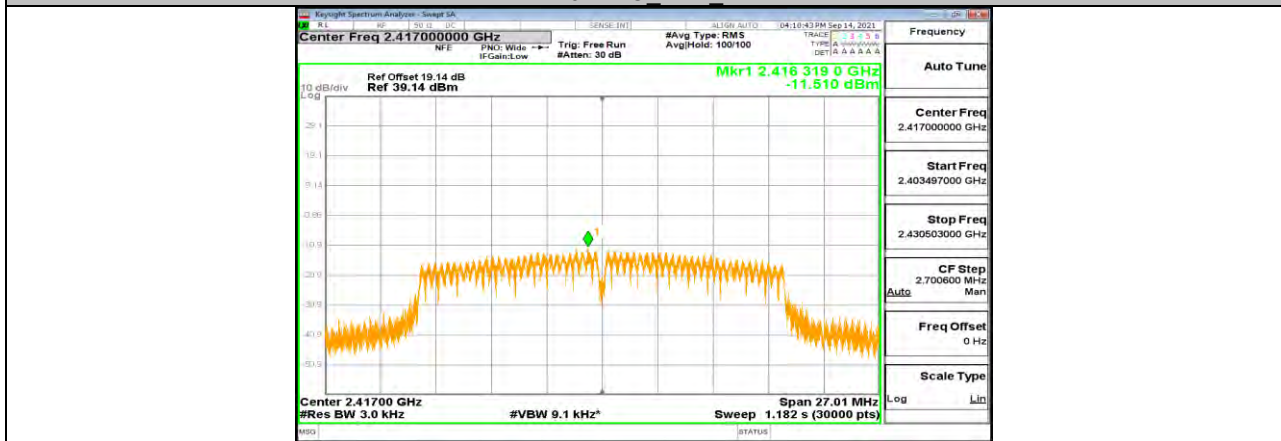
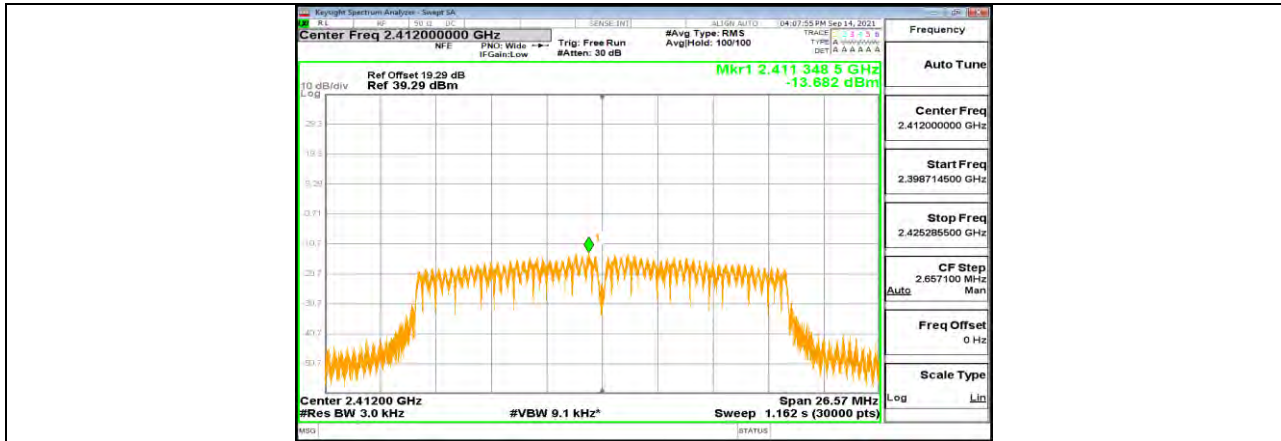
11G-CDD Ant1 2462

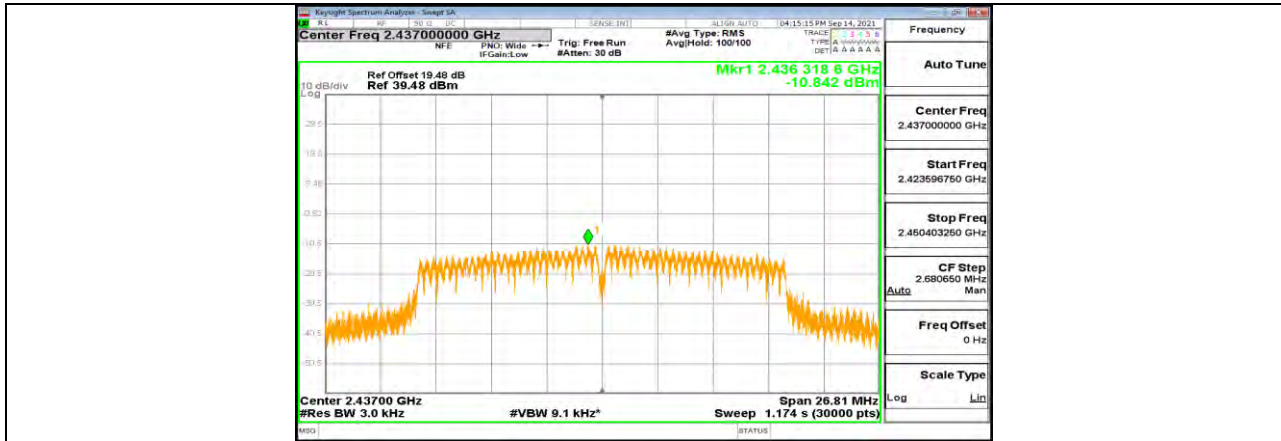


11G-CDD Ant2 2462

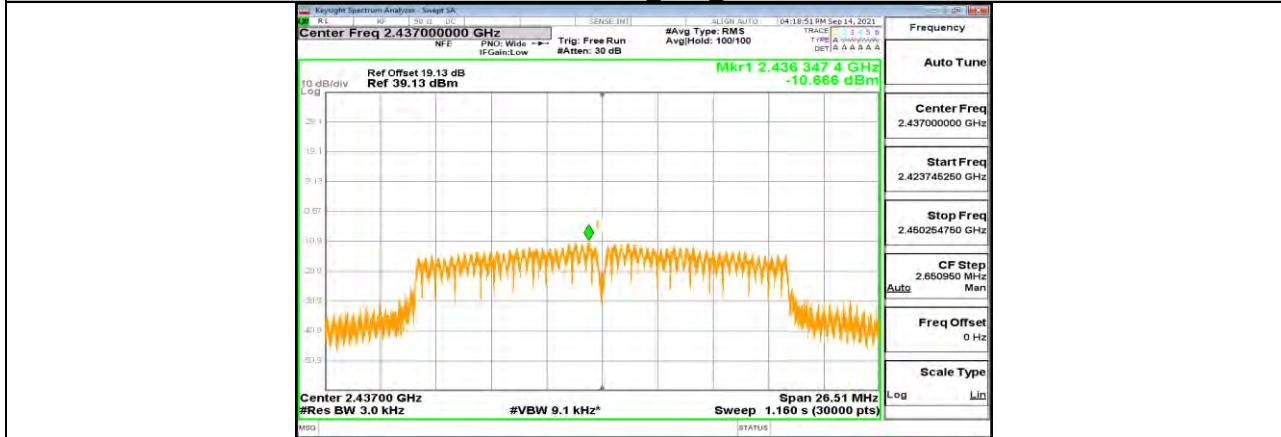


11N20MIMO Ant1 2412

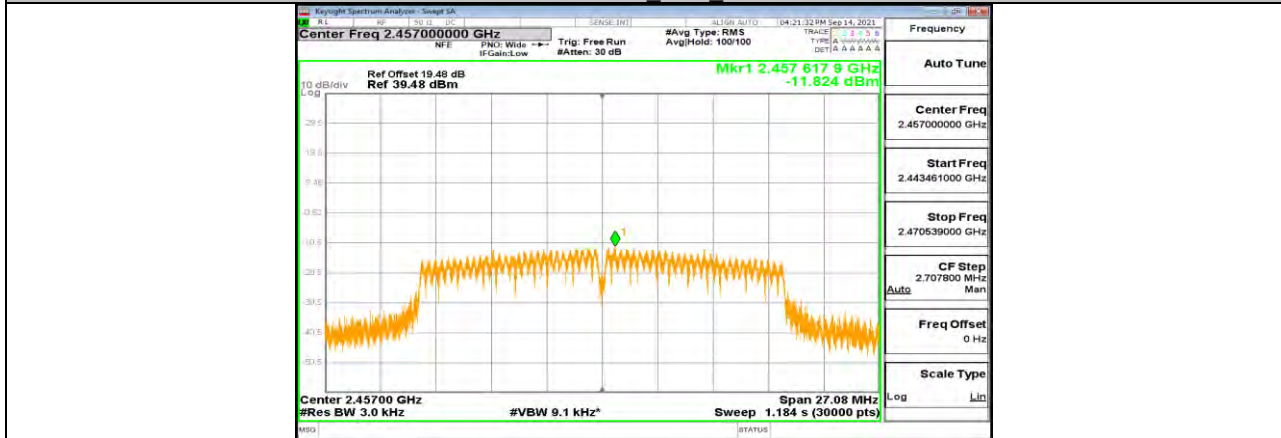




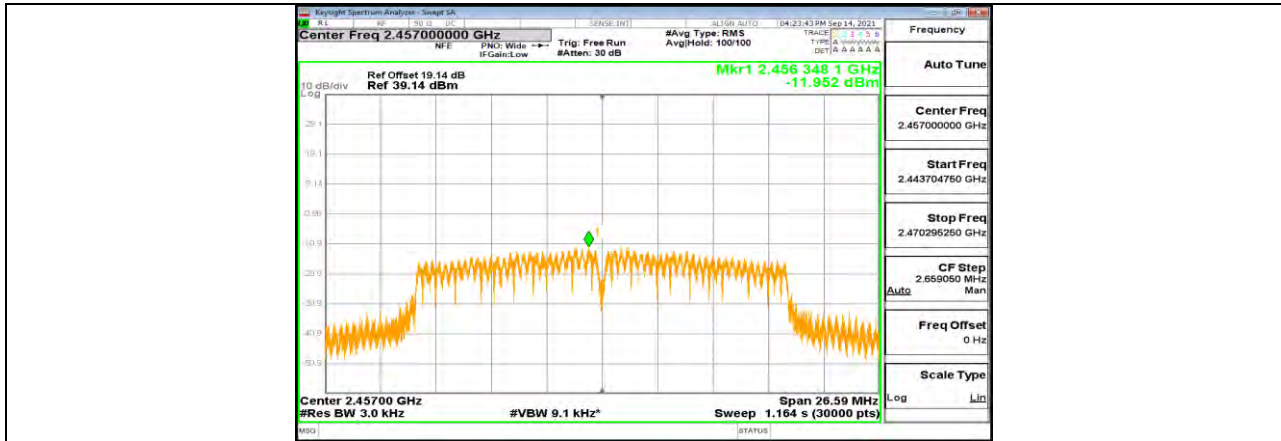
11N20MIMO Ant1 2437

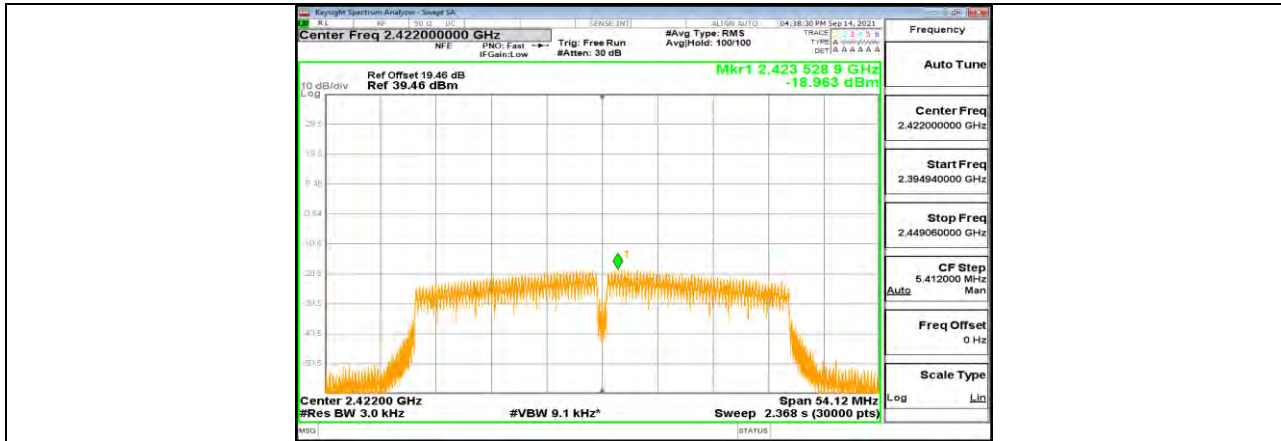


11N20MIMO Ant2 2437

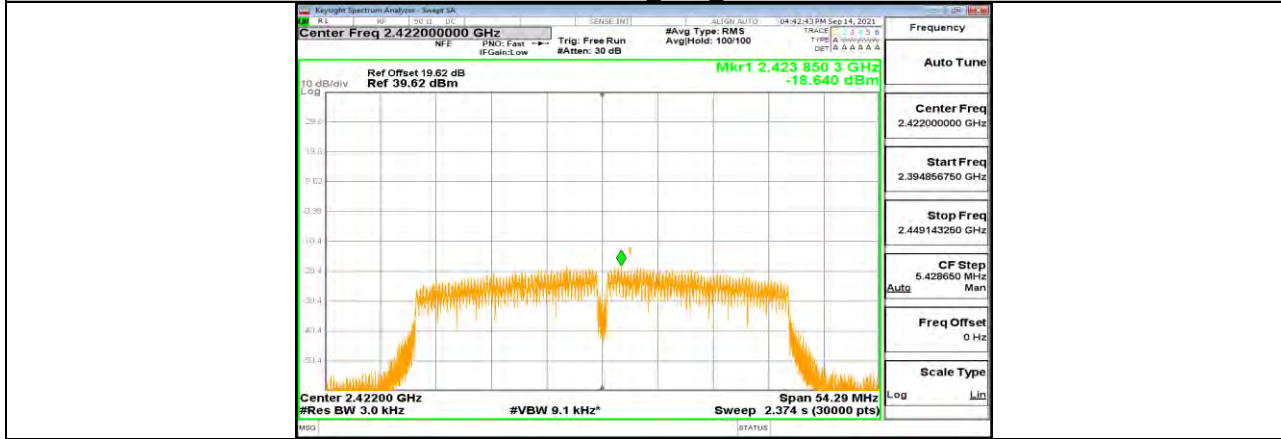


11N20MIMO Ant1 2457

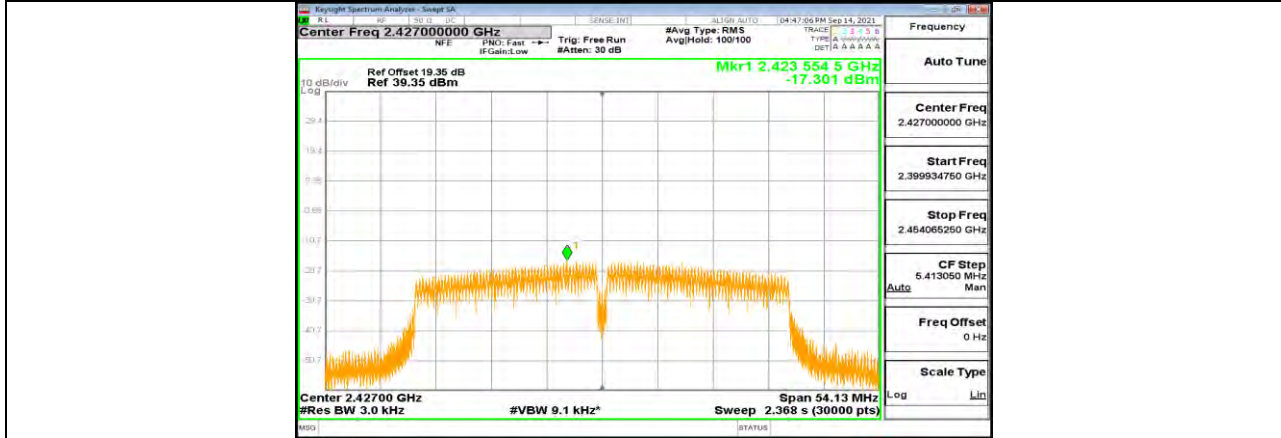




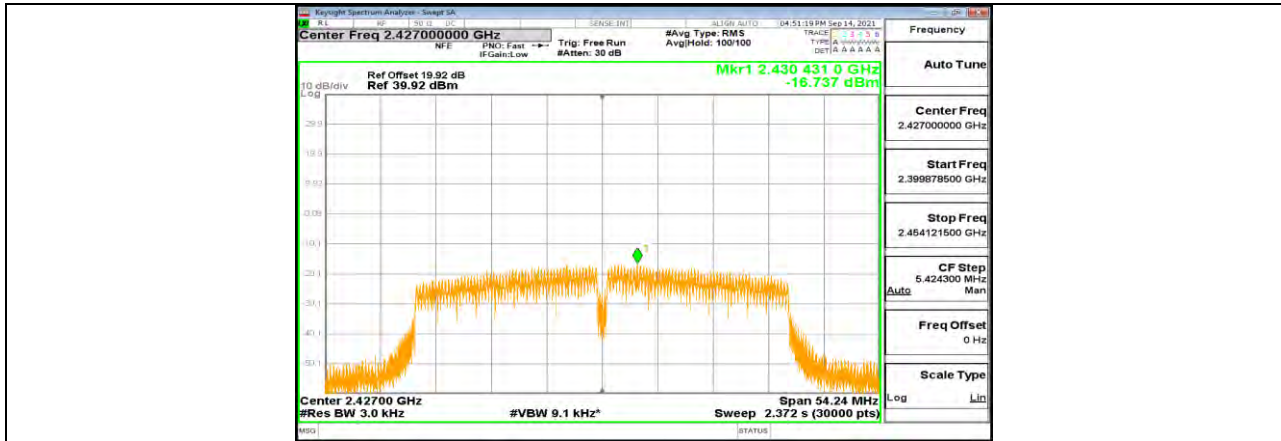
11N40MIMO Ant1 2422



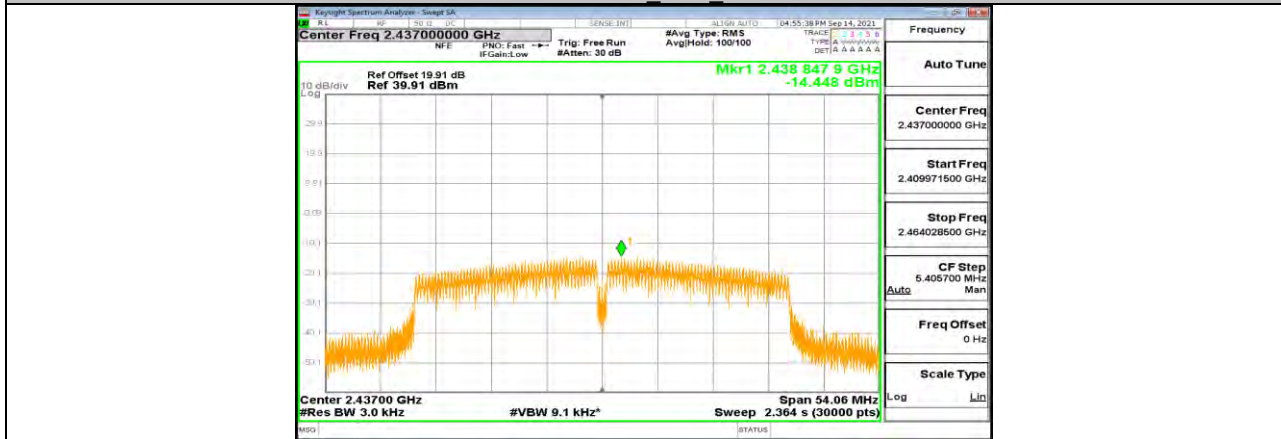
11N40MIMO Ant2 2422



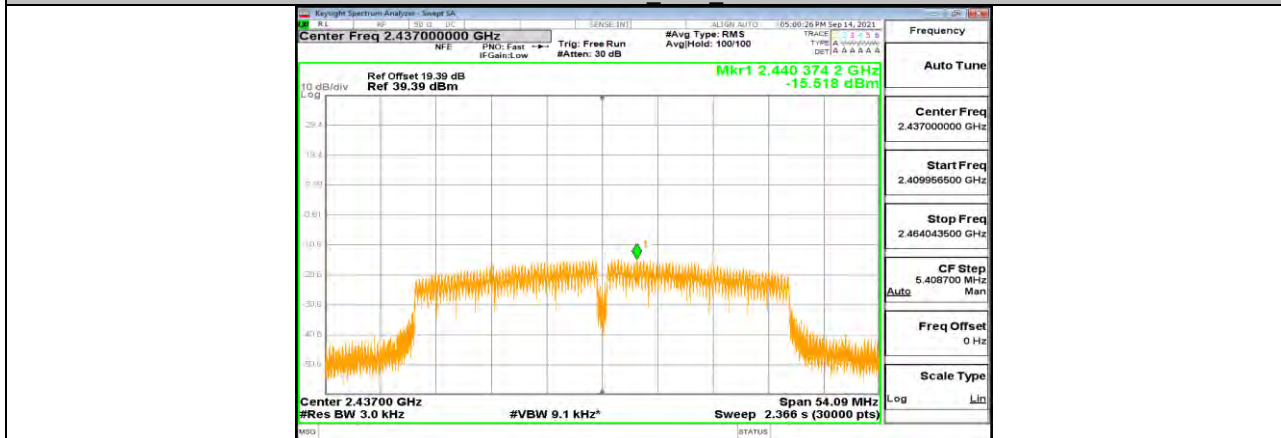
11N40MIMO Ant1 2427



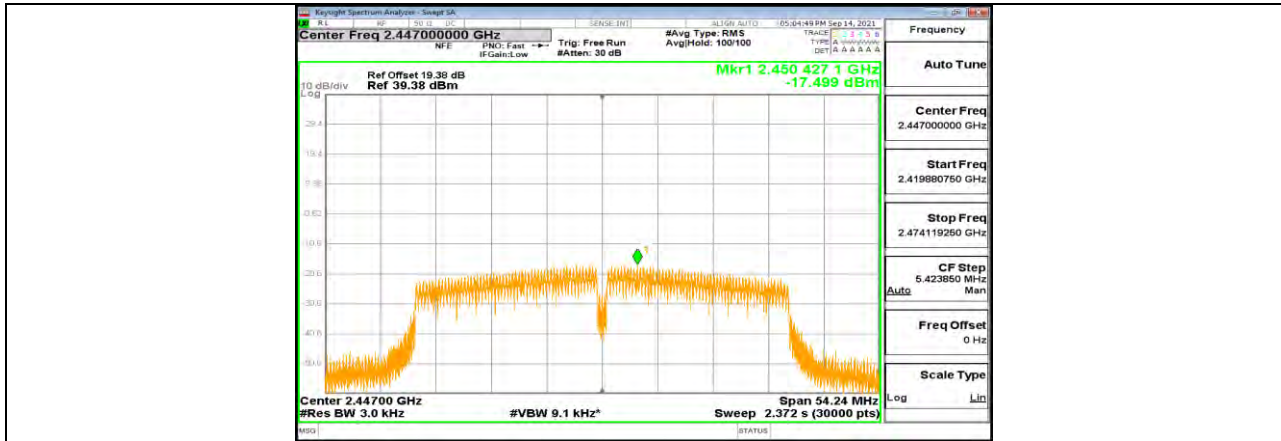
11N40MIMO Ant2 2427



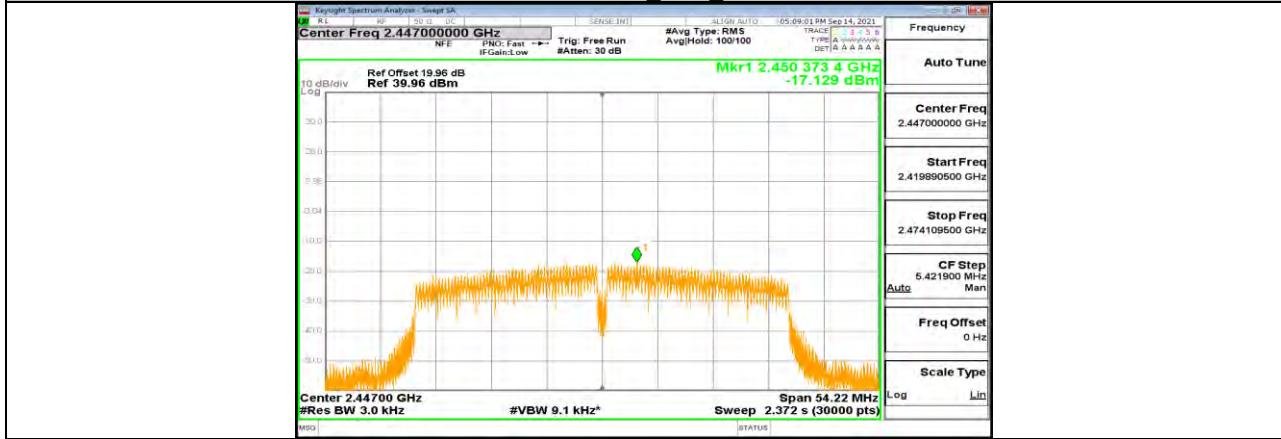
11N40MIMO Ant1 2437



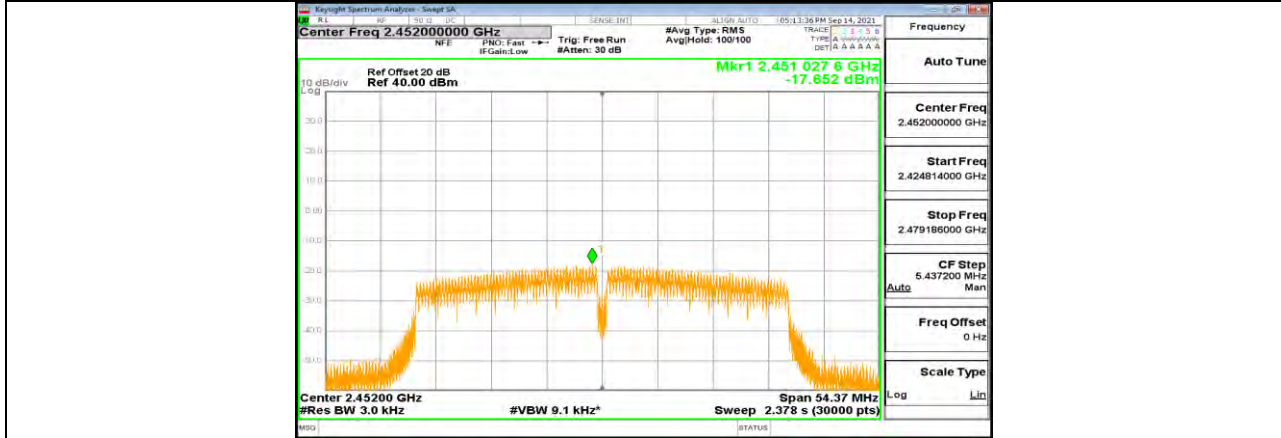
11N40MIMO Ant2 2437



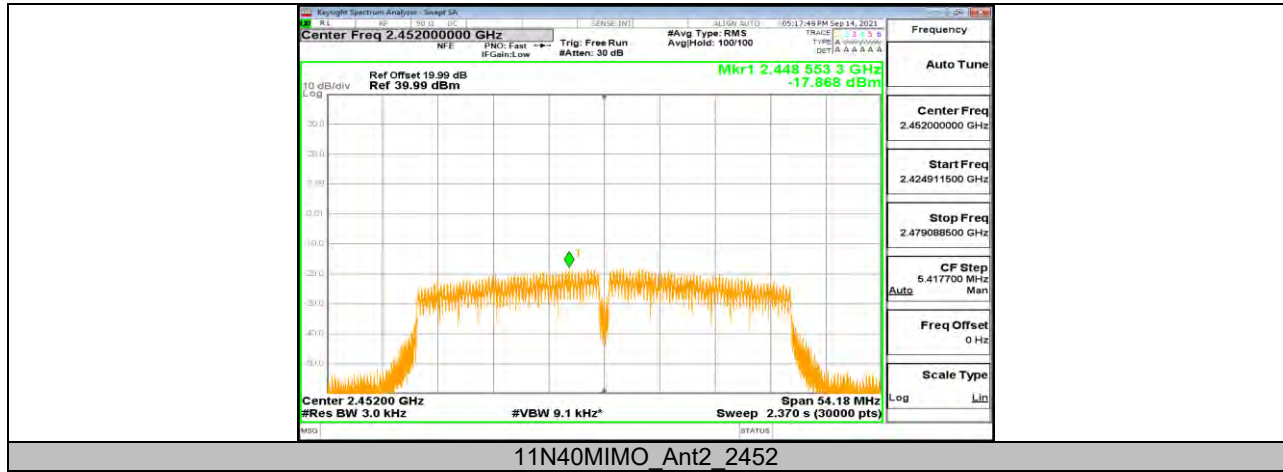
11N40MIMO Ant1 2447



11N40MIMO Ant2 2447



11N40MIMO Ant1 2452



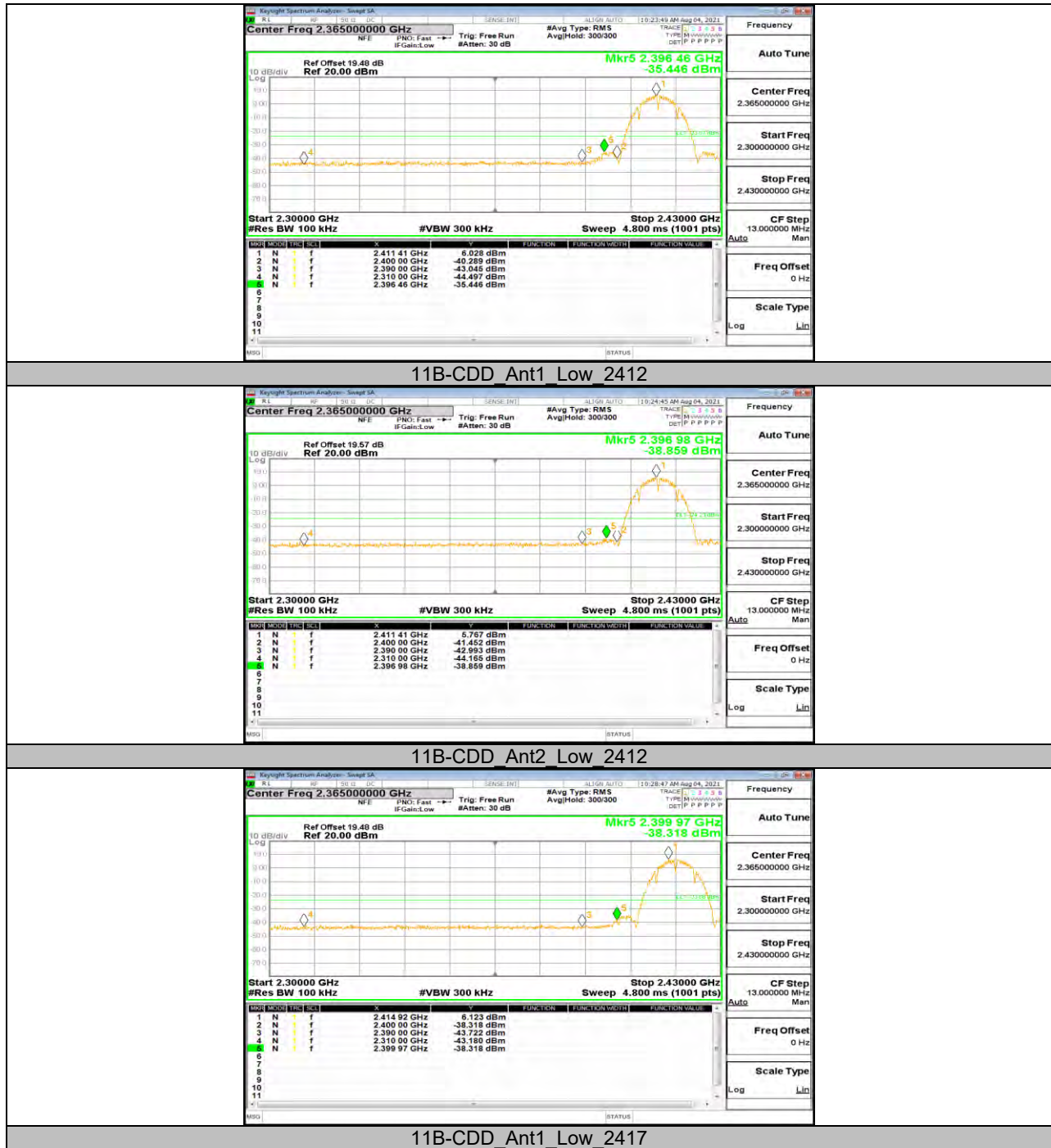


11.5. Appendix E: Band edge measurements
11.5.1. Test Result

Test Mode	Antenna	ChName	Channel	RefLevel[dBm]	Result[dBm]	Limit[dBm]	Verdict
11B-CDD	Ant1	Low	2412	6.03	-35.45	<=-23.97	PASS
	Ant2	Low	2412	5.77	-38.86	<=-24.23	PASS
	Ant1	Low	2417	6.12	-38.32	<=-23.88	PASS
	Ant2	Low	2417	5.73	-40.91	<=-24.27	PASS
	Ant1	High	2457	4.80	-41.07	<=-25.21	PASS
	Ant2	High	2457	4.68	-40.64	<=-25.32	PASS
	Ant1	High	2462	5.52	-41.1	<=-24.48	PASS
	Ant2	High	2462	5.25	-39.38	<=-24.75	PASS
11G-CDD	Ant1	Low	2412	7.11	-23.68	<=-22.89	PASS
	Ant2	Low	2412	7.21	-24.37	<=-22.79	PASS
	Ant1	Low	2417	10.56	-20.34	<=-19.44	PASS
	Ant2	Low	2417	10.52	-22.28	<=-19.49	PASS
	Ant1	High	2457	11.06	-34.04	<=-18.94	PASS
	Ant2	High	2457	10.69	-34.36	<=-19.31	PASS
	Ant1	High	2462	7.31	-39.3	<=-22.69	PASS
	Ant2	High	2462	7.05	-38.23	<=-22.96	PASS
11N20MIMO	Ant1	Low	2412	7.74	-22.32	<=-22.26	PASS
	Ant2	Low	2412	7.42	-23.14	<=-22.58	PASS
	Ant1	Low	2417	9.65	-20.75	<=-20.35	PASS
	Ant2	Low	2417	10.06	-21.84	<=-19.95	PASS
	Ant1	High	2457	10.26	-36.36	<=-19.75	PASS
	Ant2	High	2457	10.14	-36.76	<=-19.86	PASS
	Ant1	High	2462	7.65	-34.49	<=-22.35	PASS
	Ant2	High	2462	7.00	-33.87	<=-23	PASS
11N40MIMO	Ant1	Low	2422	2.84	-31.38	<=-27.16	PASS
	Ant2	Low	2422	3.43	-33.84	<=-26.57	PASS
	Ant1	Low	2427	4.15	-26.21	<=-25.85	PASS
	Ant2	Low	2427	4.75	-28.85	<=-25.25	PASS
	Ant1	High	2427	5.09	-40.67	<=-24.91	PASS
			2447	4.15	-35.07	<=-25.85	PASS
	Ant2	High	2447	4.48	-34.41	<=-25.52	PASS
	Ant1	High	2452	3.14	-34.09	<=-26.86	PASS
Ant2	High	2452	3.22	-37.24	<=-26.78	PASS	

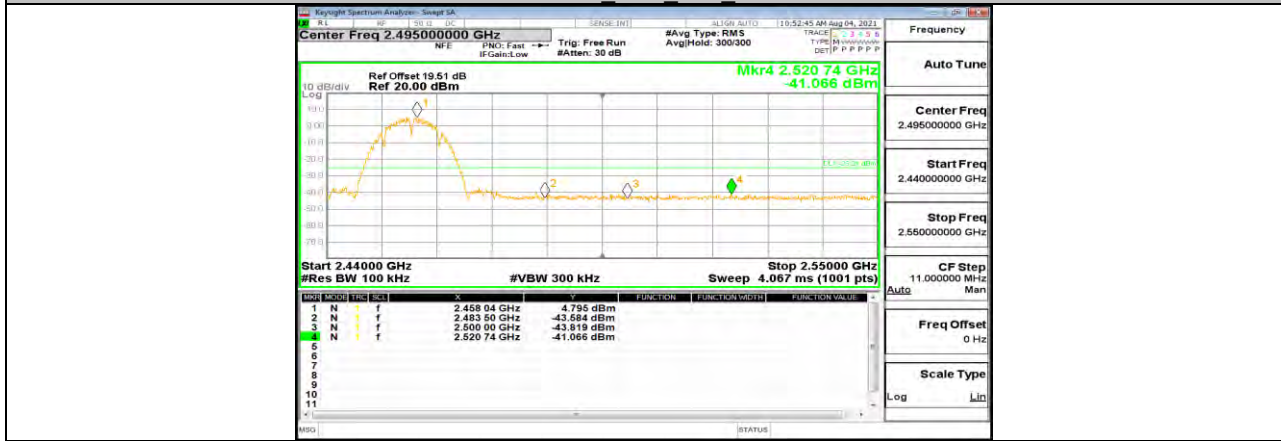


11.5.2. Test Graphs





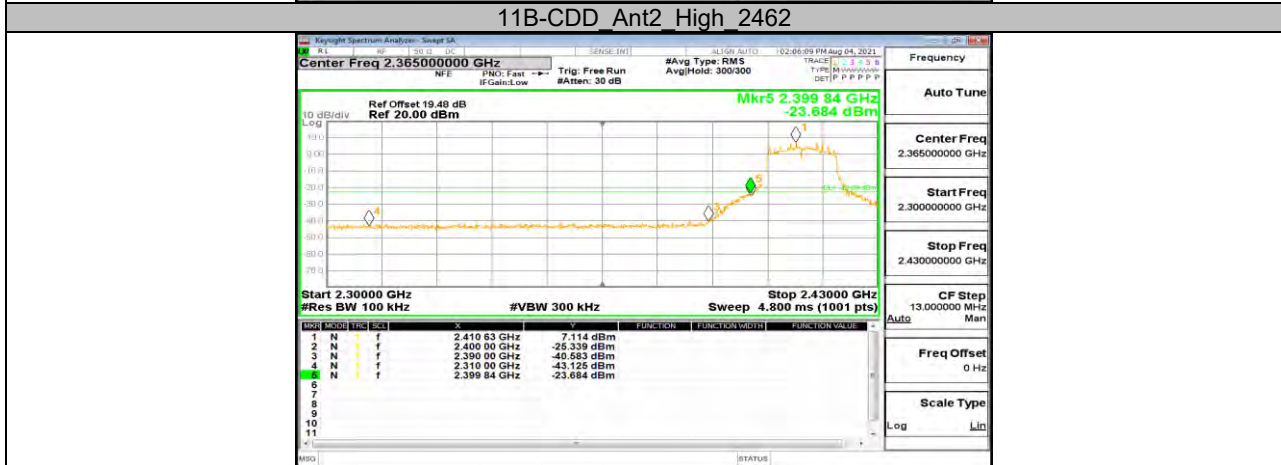
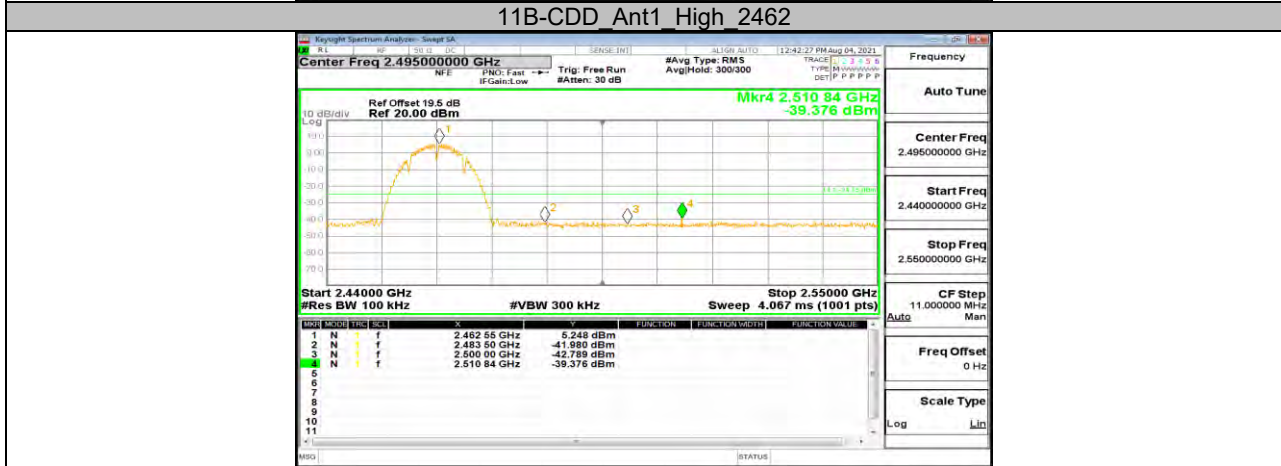
11B-CDD Ant2 Low 2417

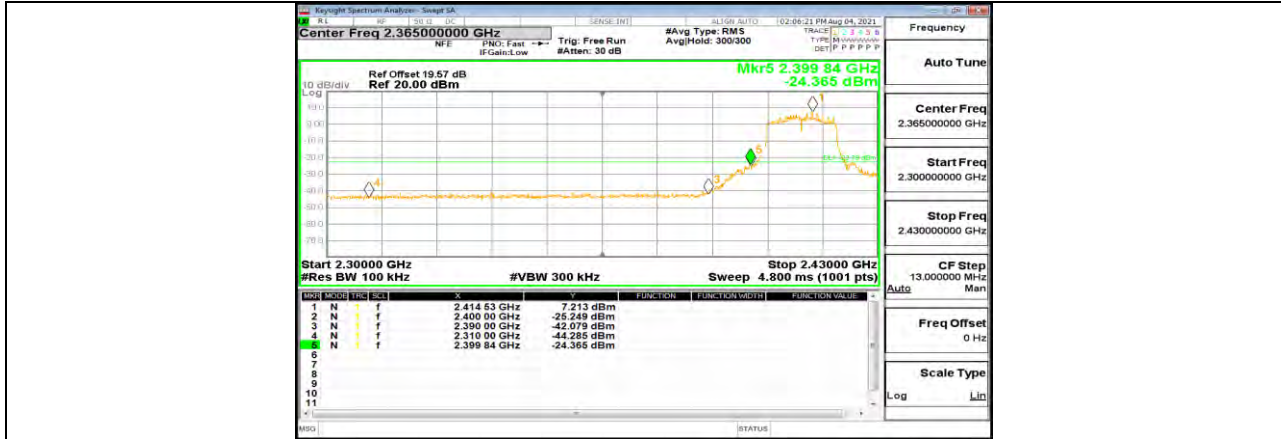


11B-CDD Ant1 High 2457

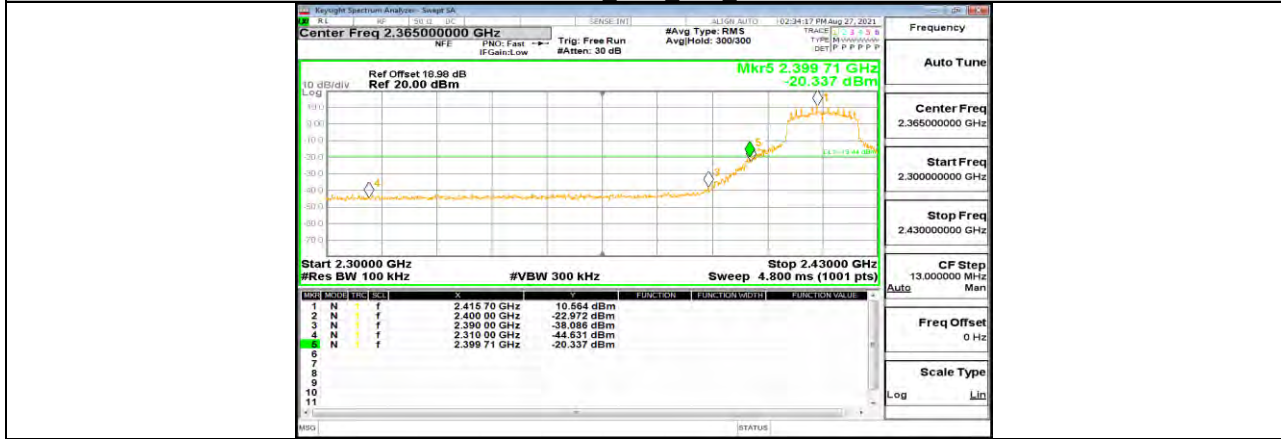


11B-CDD Ant2 High 2457

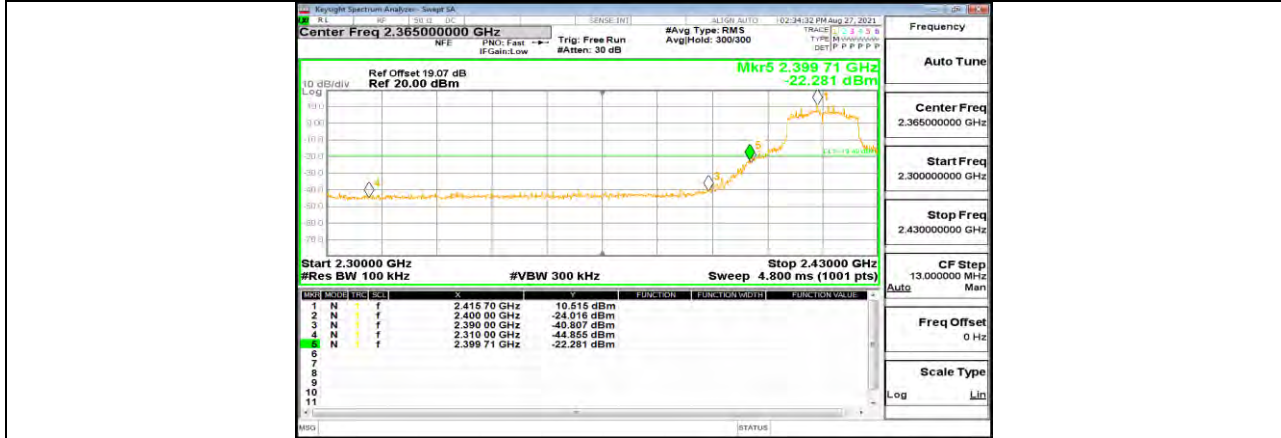




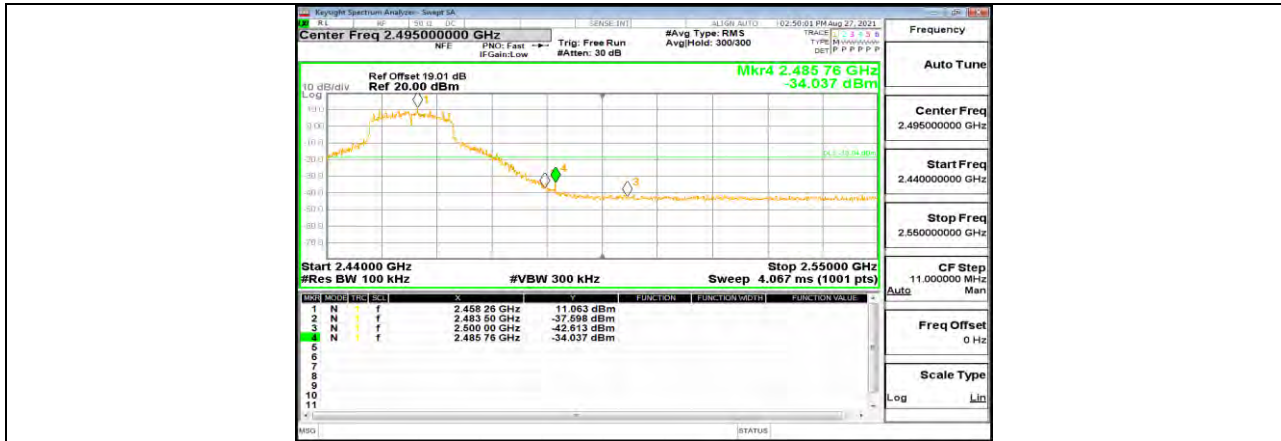
11G-CDD Ant2 Low 2412



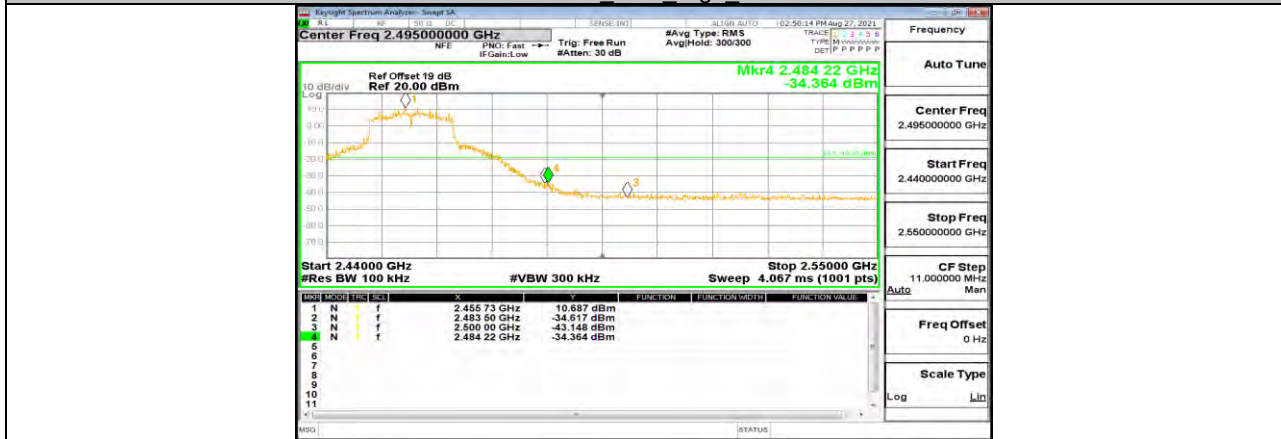
11G-CDD Ant1 Low 2417



11G-CDD Ant2 Low 2417



11G-CDD Ant1 High 2457



11G-CDD Ant2 High 2457



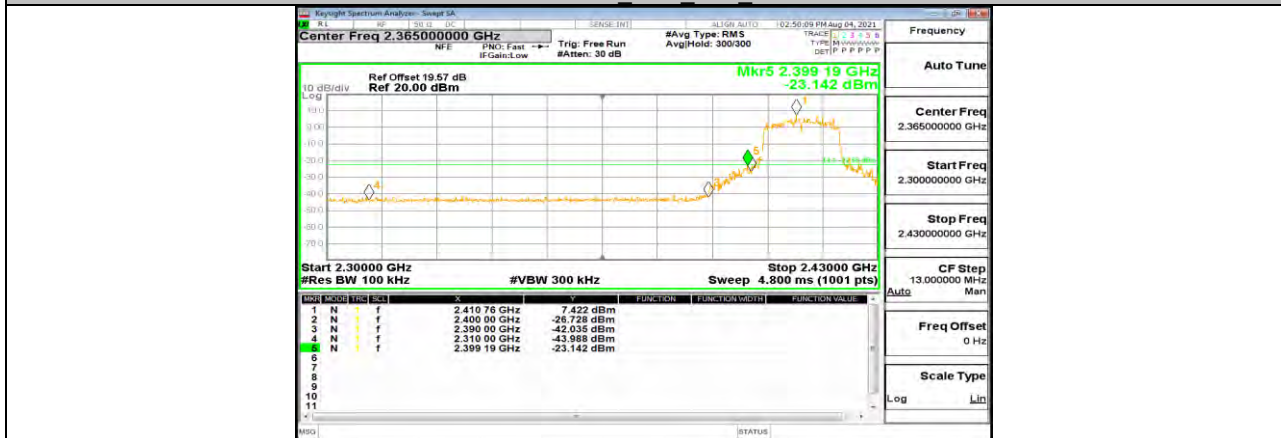
11G-CDD Ant1 High 2462



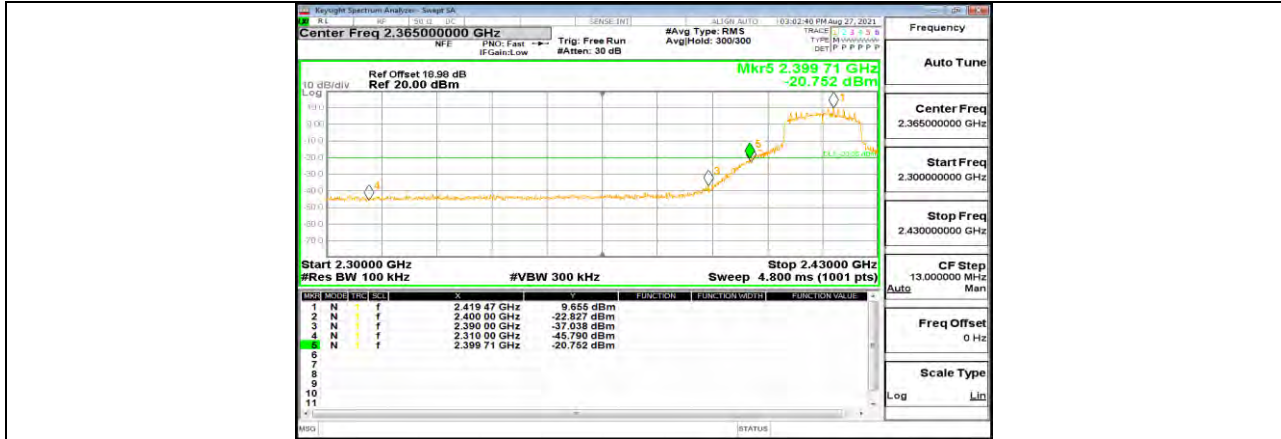
11G-CDD Ant2 High 2462



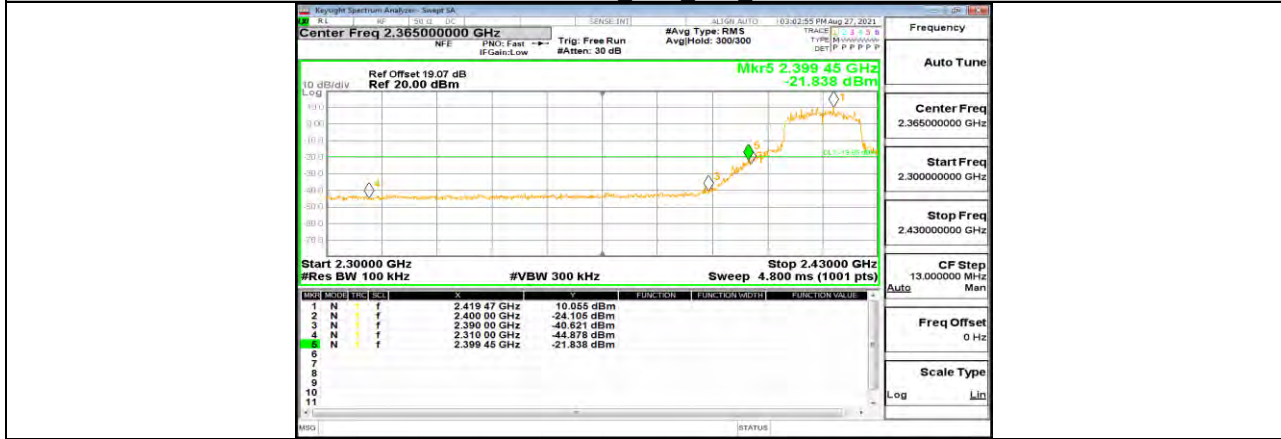
11N20MIMO Ant1 Low 2412



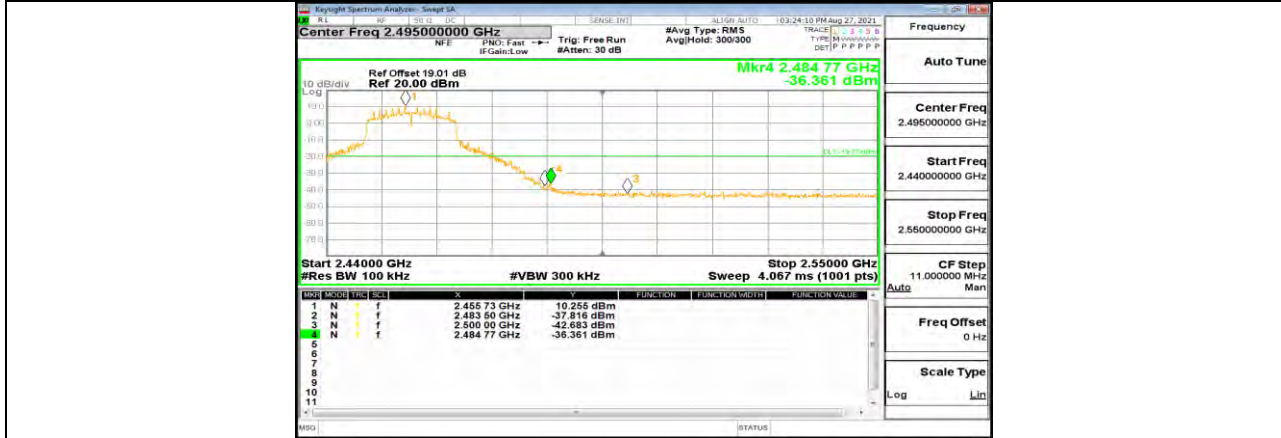
11N20MIMO Ant2 Low 2412



11N20MIMO Ant1 Low 2417



11N20MIMO Ant2 Low 2417



11N20MIMO Ant1 High 2457



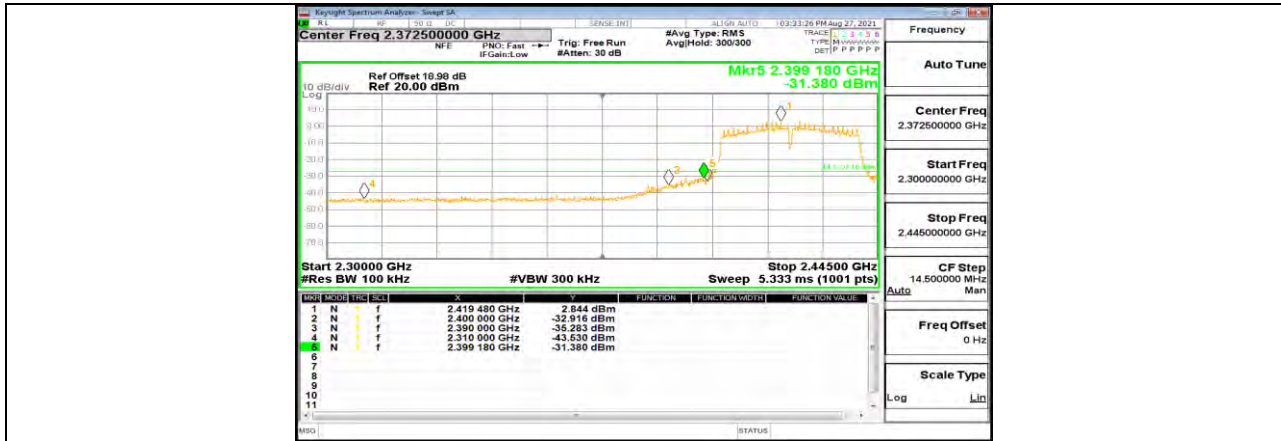
11N20MIMO Ant2 High 2457



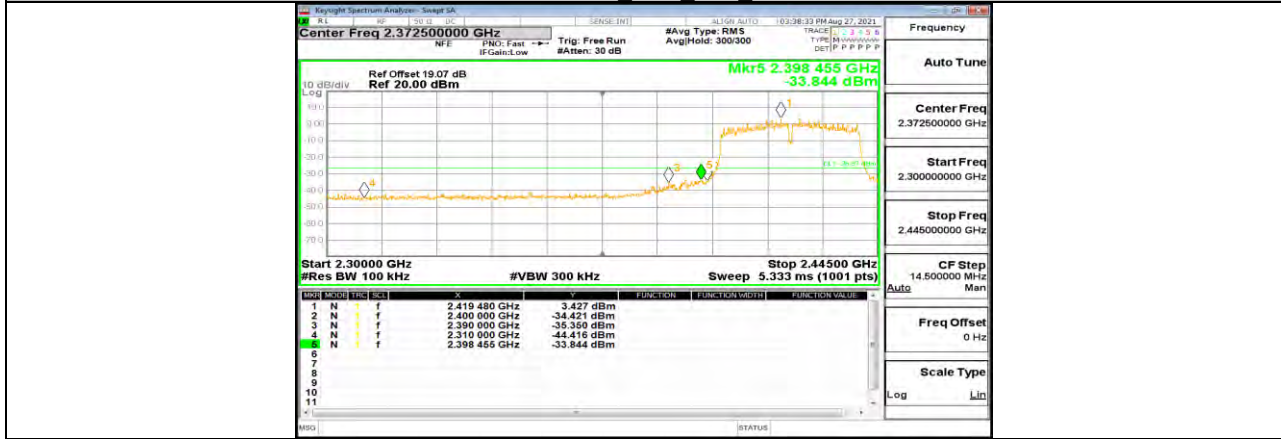
11N20MIMO Ant1 High 2462



11N20MIMO Ant2 High 2462



11N40MIMO Ant1 Low 2422



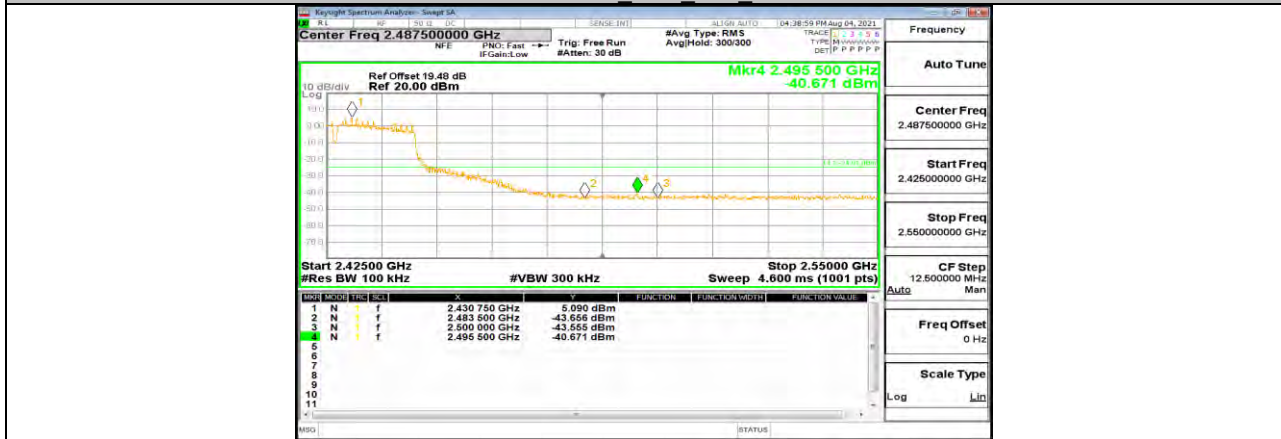
11N40MIMO Ant2 Low 2422



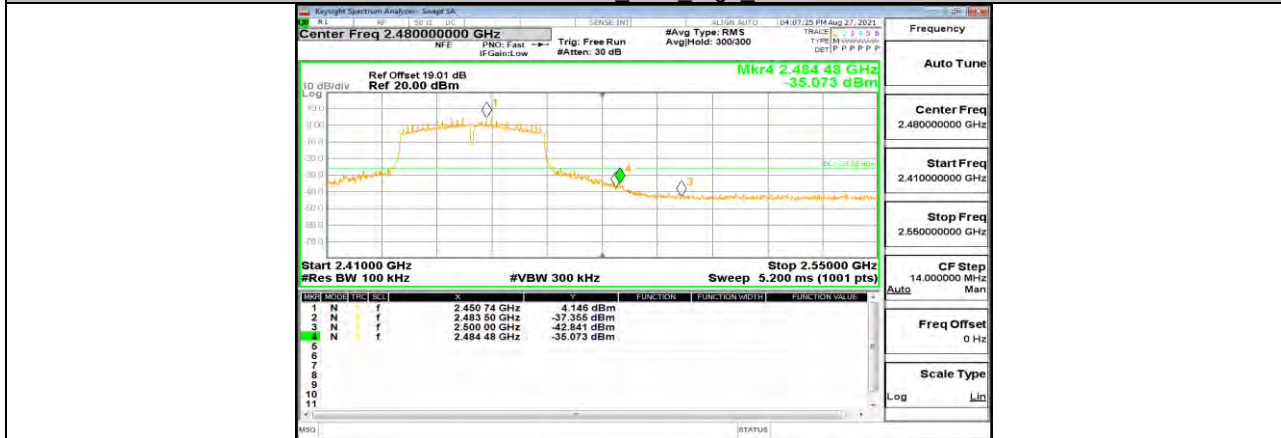
11N40MIMO Ant1 Low 2427



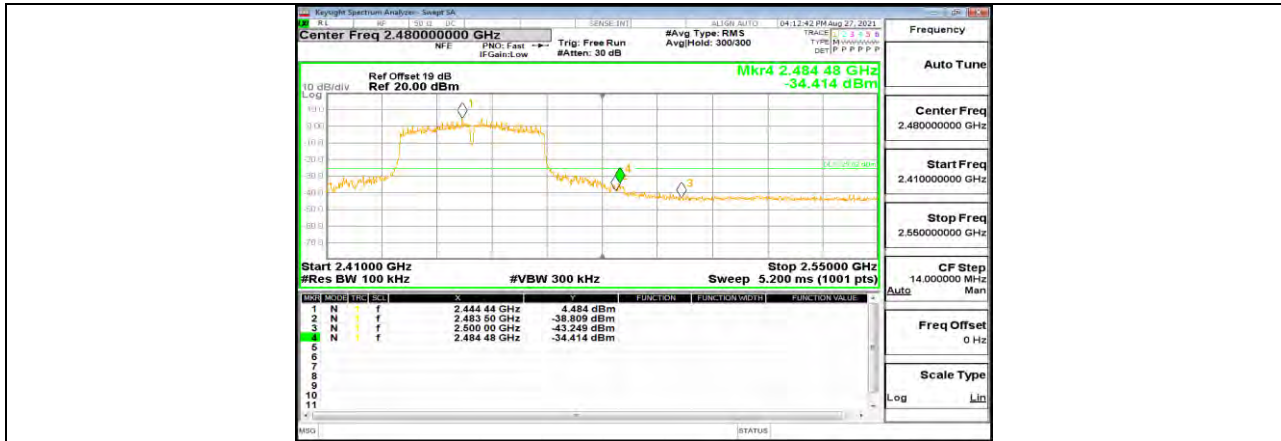
11N40MIMO Ant2 Low 2427



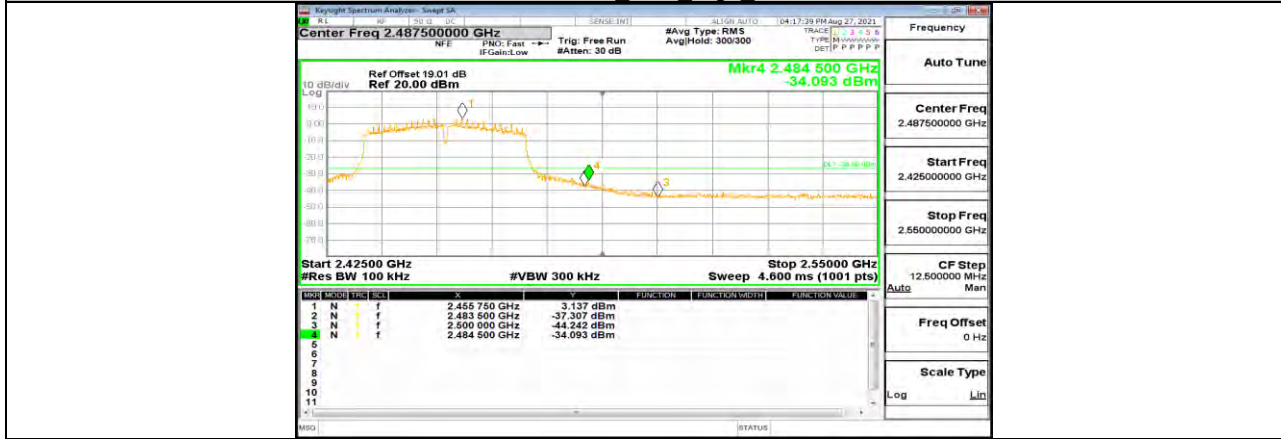
11N40MIMO Ant1 High 2427



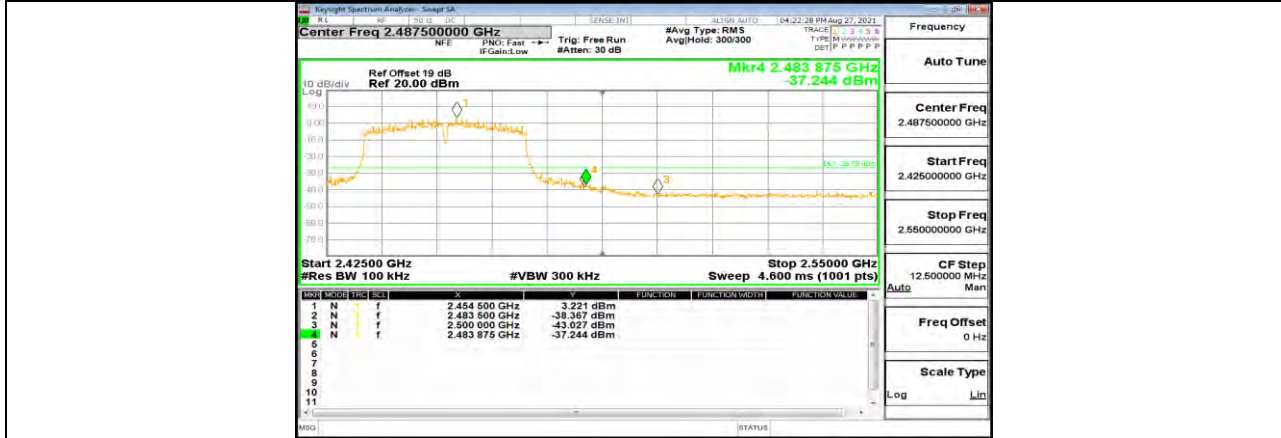
11N40MIMO Ant1 High 2447



11N40MIMO Ant2 High 2447



11N40MIMO Ant1 High 2452



11N40MIMO Ant2 High 2452

11.6. Appendix F: Conducted Spurious Emission
11.6.1. Test Result

Test Mode	Antenna	Channel	FreqRange [Mhz]	Result [dBm]	Limit [dBm]	Verdict
11B-CDD	Ant1	2412	Reference	5.89	---	PASS
			30~1000	-53.25	<=-24.11	PASS
			1000~26500	-43.9	<=-24.11	PASS
	Ant2	2412	Reference	6.57	---	PASS
			30~1000	-52.1	<=-23.43	PASS
			1000~26500	-44.42	<=-23.43	PASS
	Ant1	2417	Reference	5.91	---	PASS
			30~1000	-53.31	<=-24.09	PASS
			1000~26500	-44.51	<=-24.09	PASS
	Ant2	2417	Reference	5.31	---	PASS
			30~1000	-54.19	<=-24.7	PASS
			1000~26500	-44.97	<=-24.7	PASS
	Ant1	2437	Reference	6.14	---	PASS
			30~1000	-53	<=-23.86	PASS
			1000~26500	-44.34	<=-23.86	PASS
	Ant2	2437	Reference	4.81	---	PASS
			30~1000	-53.59	<=-25.19	PASS
			1000~26500	-44.49	<=-25.19	PASS
	Ant1	2457	Reference	4.45	---	PASS
			30~1000	-53.6	<=-25.56	PASS
			1000~26500	-44.51	<=-25.56	PASS
	Ant2	2457	Reference	4.64	---	PASS
			30~1000	-52.37	<=-25.36	PASS
			1000~26500	-44.69	<=-25.36	PASS
Ant1	2462	Reference	5.36	---	PASS	
		30~1000	-52.64	<=-24.64	PASS	
		1000~26500	-44.63	<=-24.64	PASS	
Ant2	2462	Reference	5.34	---	PASS	
		30~1000	-52.9	<=-24.66	PASS	
		1000~26500	-44.32	<=-24.66	PASS	
11G-CDD	Ant1	2412	Reference	6.95	---	PASS
			30~1000	-52.51	<=-23.05	PASS
			1000~26500	-44.63	<=-23.05	PASS
	Ant2	2412	Reference	5.50	---	PASS
			30~1000	-52.88	<=-24.5	PASS
			1000~26500	-44.43	<=-24.5	PASS
	Ant1	2417	Reference	9.12	---	PASS
			30~1000	-54.08	<=-20.88	PASS
			1000~26500	-44.14	<=-20.88	PASS
	Ant2	2417	Reference	8.42	---	PASS
			30~1000	-53.78	<=-21.58	PASS
			1000~26500	-44.5	<=-21.58	PASS
	Ant1	2437	Reference	9.38	---	PASS
			30~1000	-54.63	<=-20.62	PASS
			1000~26500	-44.76	<=-20.62	PASS
	Ant2	2437	Reference	10.64	---	PASS
			30~1000	-53.49	<=-19.36	PASS
			1000~26500	-45.15	<=-19.36	PASS
	Ant1	2457	Reference	10.20	---	PASS
			30~1000	-53.79	<=-19.8	PASS
			1000~26500	-44.89	<=-19.8	PASS
	Ant2	2457	Reference	9.34	---	PASS
			30~1000	-53.6	<=-20.66	PASS



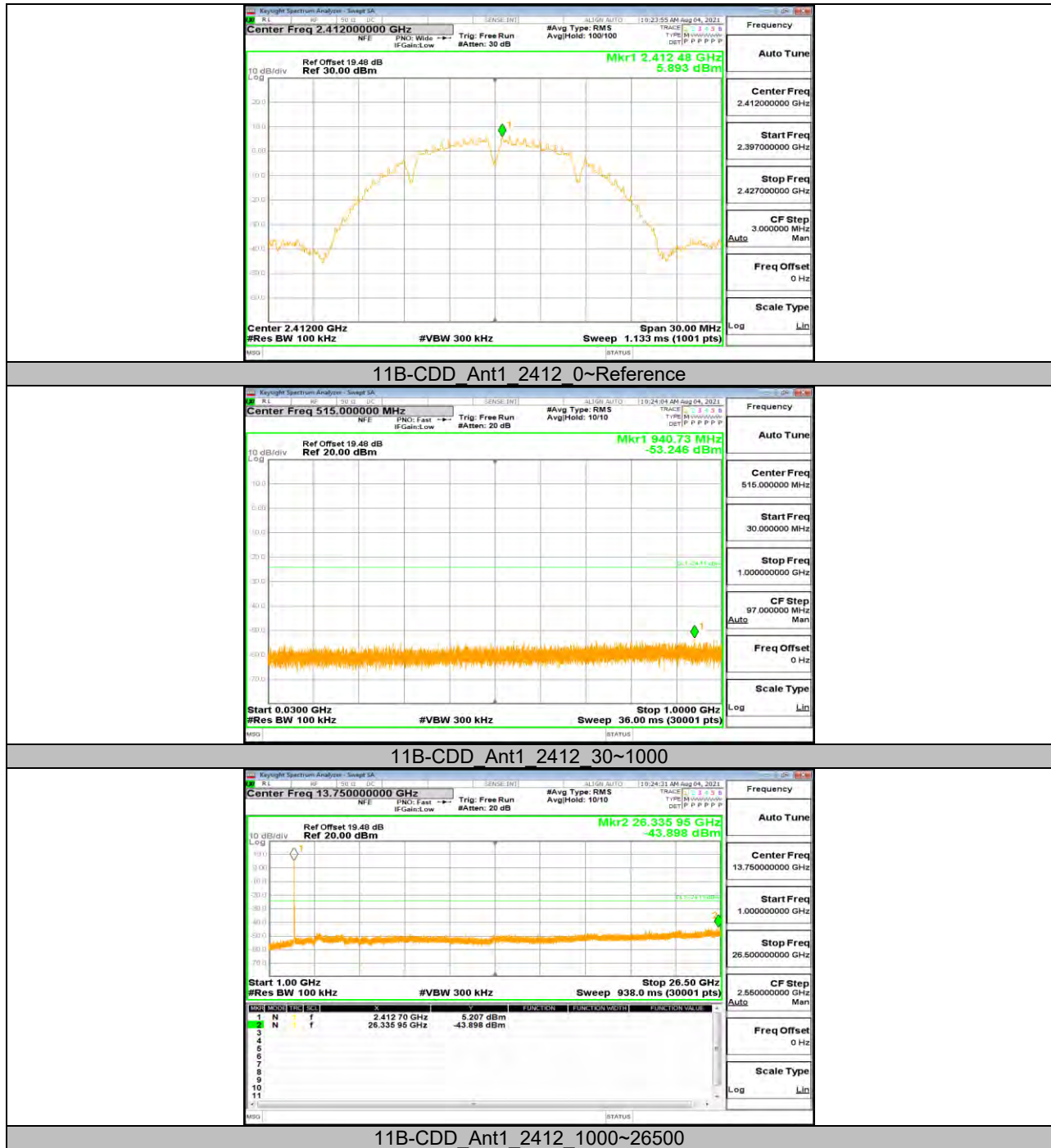
	Ant1	2462	1000~26500	-44.62	<=-20.66	PASS
			Reference	7.26	---	PASS
			30~1000	-53.42	<=-22.74	PASS
	Ant2	2462	1000~26500	-44.41	<=-22.74	PASS
			Reference	6.95	---	PASS
			30~1000	-53	<=-23.05	PASS
11N20MIMO	Ant1	2412	1000~26500	-43.63	<=-23.05	PASS
			Reference	6.81	---	PASS
			30~1000	-53.43	<=-23.19	PASS
	Ant2	2412	1000~26500	-44.53	<=-23.19	PASS
			Reference	7.31	---	PASS
			30~1000	-53.63	<=-22.69	PASS
	Ant1	2417	1000~26500	-43.94	<=-22.69	PASS
			Reference	10.30	---	PASS
			30~1000	-53.95	<=-19.7	PASS
	Ant2	2417	1000~26500	-45.27	<=-19.7	PASS
			Reference	10.42	---	PASS
			30~1000	-53.02	<=-19.58	PASS
	Ant1	2437	1000~26500	-45.54	<=-19.58	PASS
			Reference	9.73	---	PASS
			30~1000	-54.14	<=-20.27	PASS
	Ant2	2437	1000~26500	-45.17	<=-20.27	PASS
			Reference	9.47	---	PASS
			30~1000	-54.05	<=-20.53	PASS
	Ant1	2457	1000~26500	-45.56	<=-20.53	PASS
			Reference	10.48	---	PASS
			30~1000	-54.6	<=-19.52	PASS
	Ant2	2457	1000~26500	-44.81	<=-19.52	PASS
			Reference	9.89	---	PASS
			30~1000	-53.98	<=-20.11	PASS
Ant1	2462	1000~26500	-44.35	<=-20.11	PASS	
		Reference	6.63	---	PASS	
		30~1000	-52.97	<=-23.38	PASS	
Ant2	2462	1000~26500	-44.65	<=-23.38	PASS	
		Reference	7.63	---	PASS	
		30~1000	-53.59	<=-22.38	PASS	
11N40MIMO	Ant1	2422	1000~26500	-44.89	<=-22.38	PASS
			Reference	2.72	---	PASS
			30~1000	-53.73	<=-27.28	PASS
	Ant2	2422	1000~26500	-44.49	<=-27.28	PASS
			Reference	2.54	---	PASS
			30~1000	-53.57	<=-27.46	PASS
	Ant1	2427	1000~26500	-45.36	<=-27.46	PASS
			Reference	4.27	---	PASS
			30~1000	-54.05	<=-25.73	PASS
	Ant2	2427	1000~26500	-45.62	<=-25.73	PASS
			Reference	4.17	---	PASS
			30~1000	-53.37	<=-25.83	PASS
	Ant1	2437	1000~26500	-44.41	<=-25.83	PASS
			Reference	6.48	---	PASS
			30~1000	-52.96	<=-23.52	PASS
	Ant2	2437	1000~26500	-44.72	<=-23.52	PASS
			Reference	5.73	---	PASS
			30~1000	-53.62	<=-24.27	PASS
	Ant1	2447	1000~26500	-45.38	<=-24.27	PASS
			Reference	4.11	---	PASS
			30~1000	-53.79	<=-25.89	PASS
	Ant2	2447	1000~26500	-44.93	<=-25.89	PASS
			Reference	4.51	---	PASS
			30~1000	-54.33	<=-25.49	PASS
	Ant2	2447	1000~26500	-45.15	<=-25.49	PASS
			Reference	4.51	---	PASS



	Ant1	2452	Reference	2.66	---	PASS
			30~1000	-54.45	<=-27.34	PASS
			1000~26500	-44.74	<=-27.34	PASS
	Ant2	2452	Reference	1.93	---	PASS
			30~1000	-53.93	<=-28.07	PASS
			1000~26500	-44.45	<=-28.07	PASS

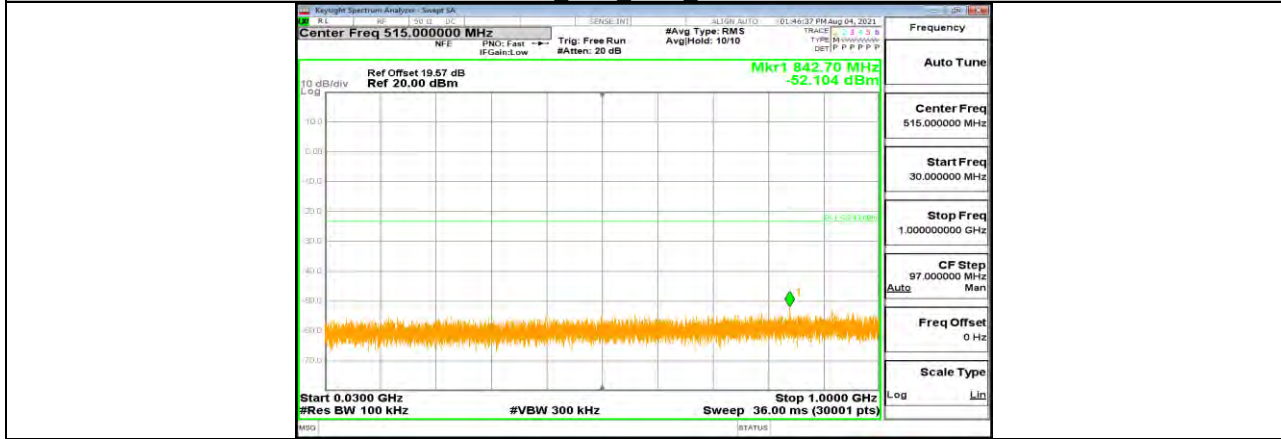


11.6.2. Test Graphs

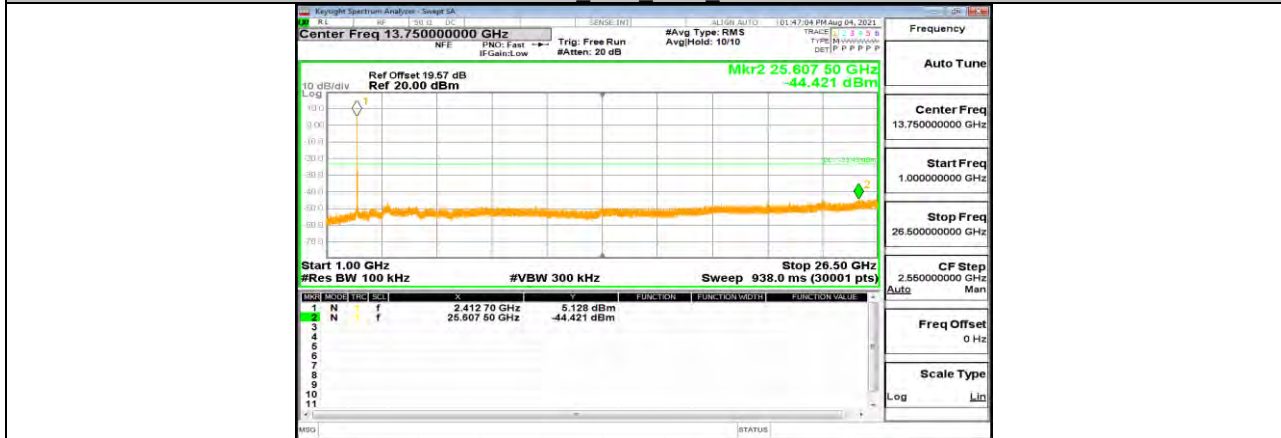




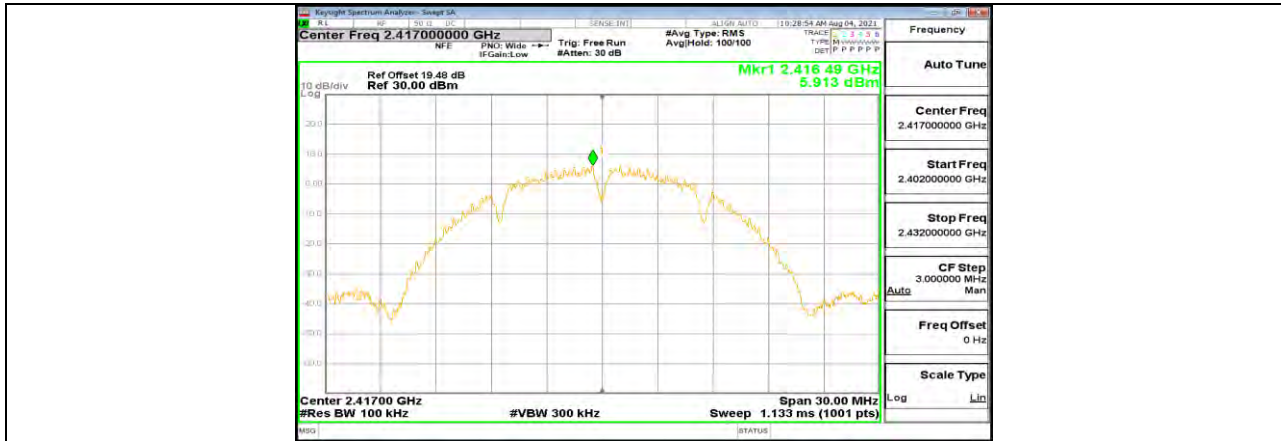
11B-CDD Ant2 2412 0~Reference



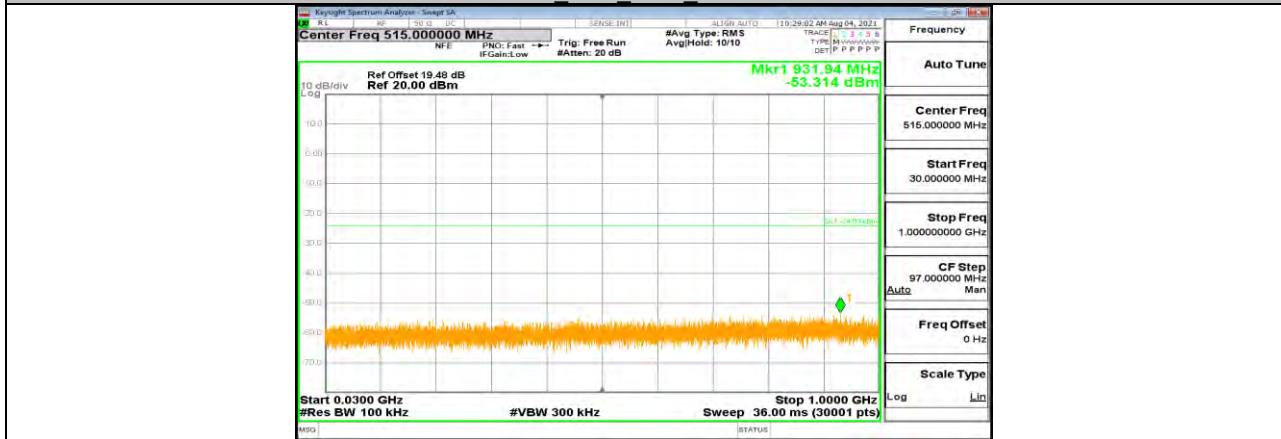
11B-CDD Ant2 2412 30~1000



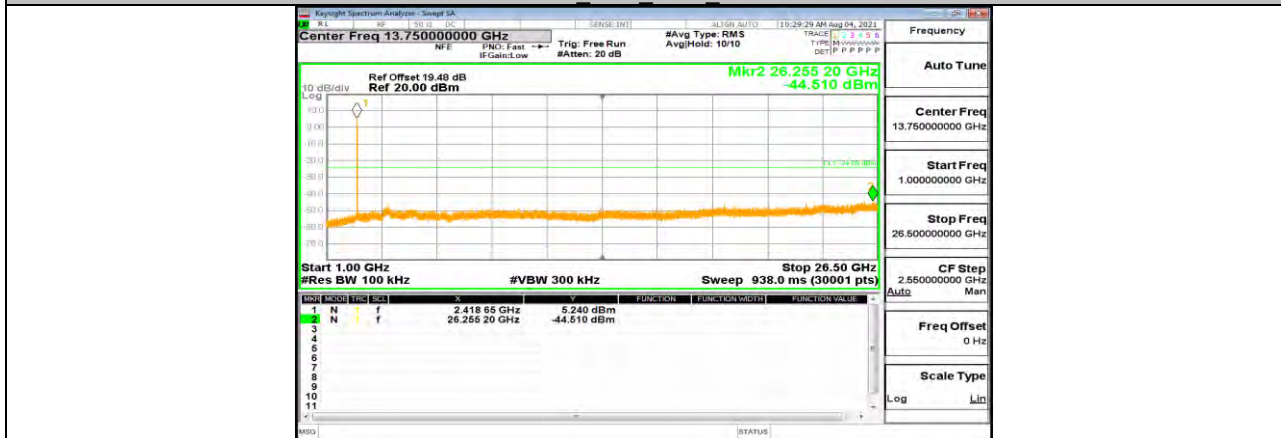
11B-CDD Ant2 2412 1000~26500



11B-CDD Ant1 2417 0~Reference



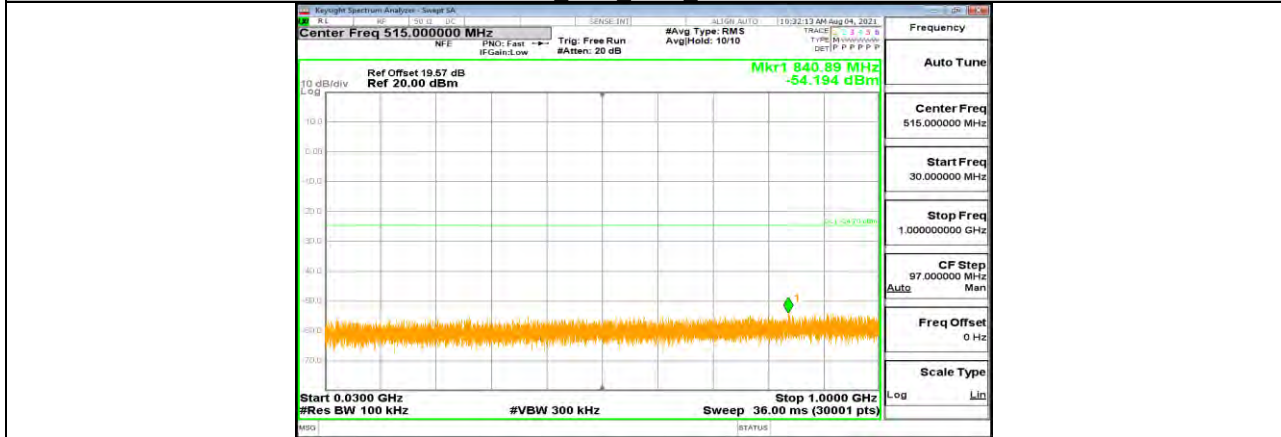
11B-CDD Ant1 2417 30~1000



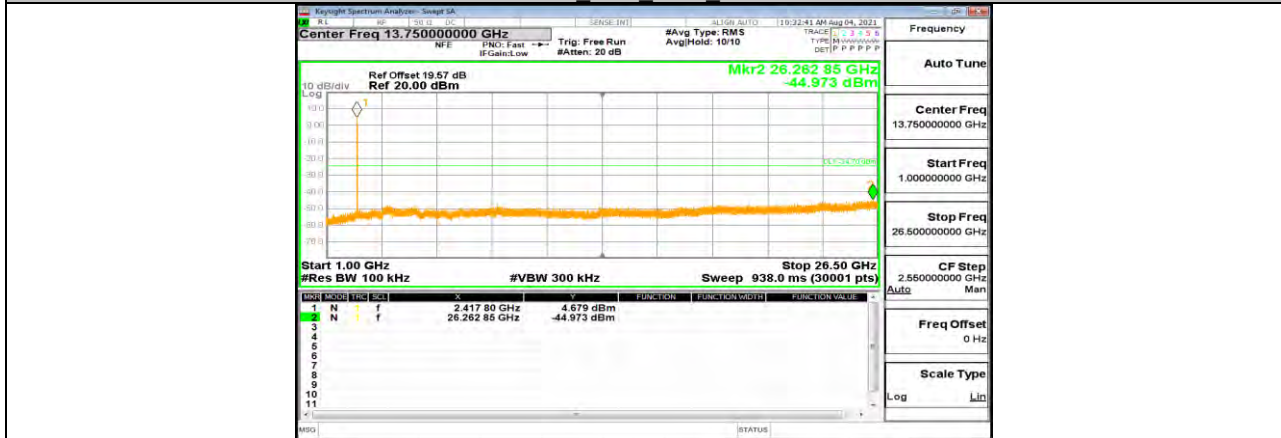
11B-CDD Ant1 2417 1000~26500



11B-CDD Ant2 2417 0~Reference



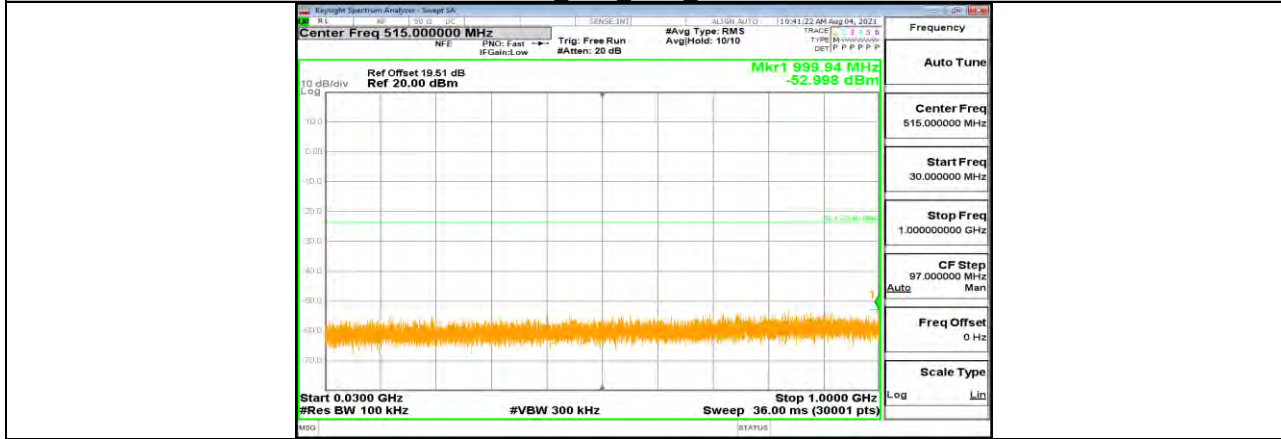
11B-CDD Ant2 2417 30~1000



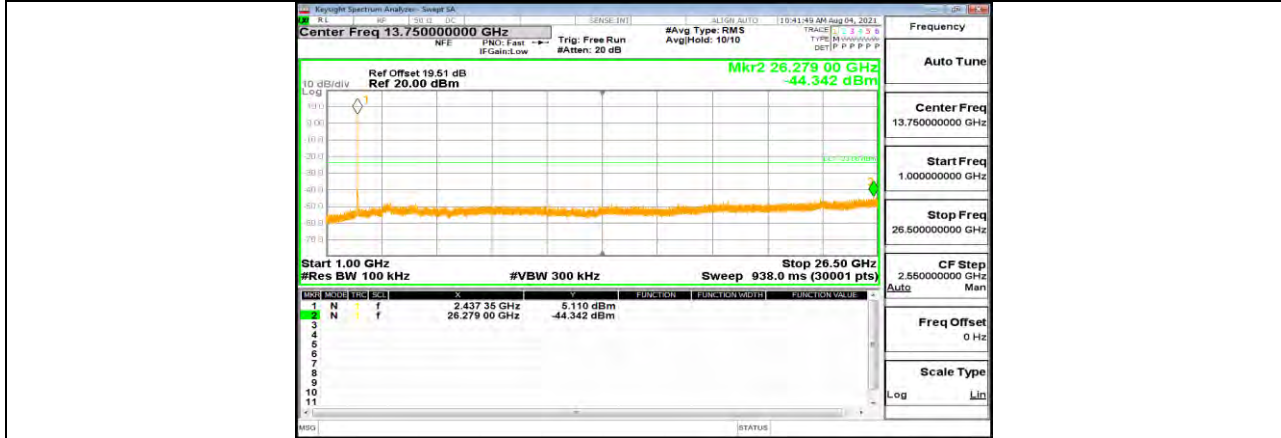
11B-CDD Ant2 2417 1000~26500



11B-CDD Ant1 2437 0~Reference



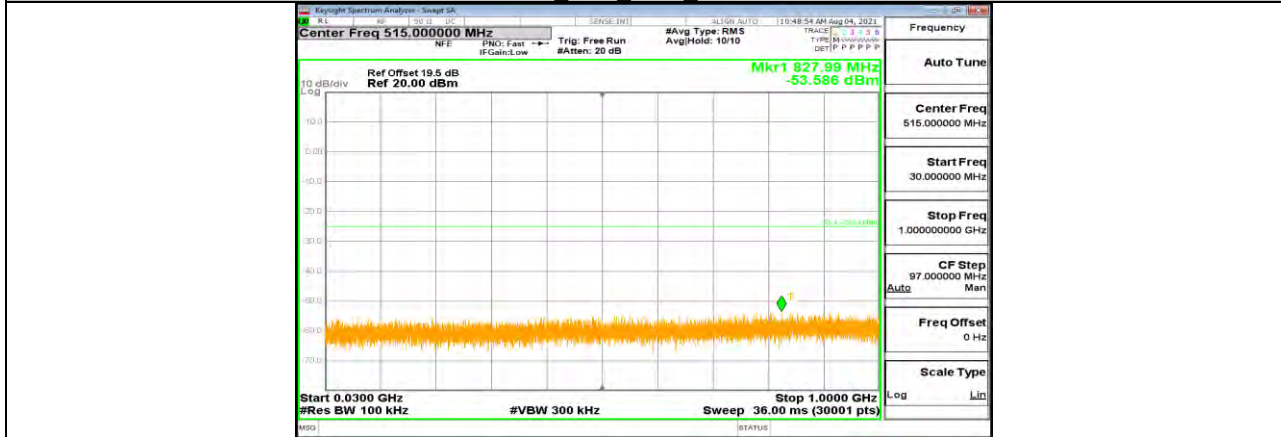
11B-CDD Ant1 2437 30~1000



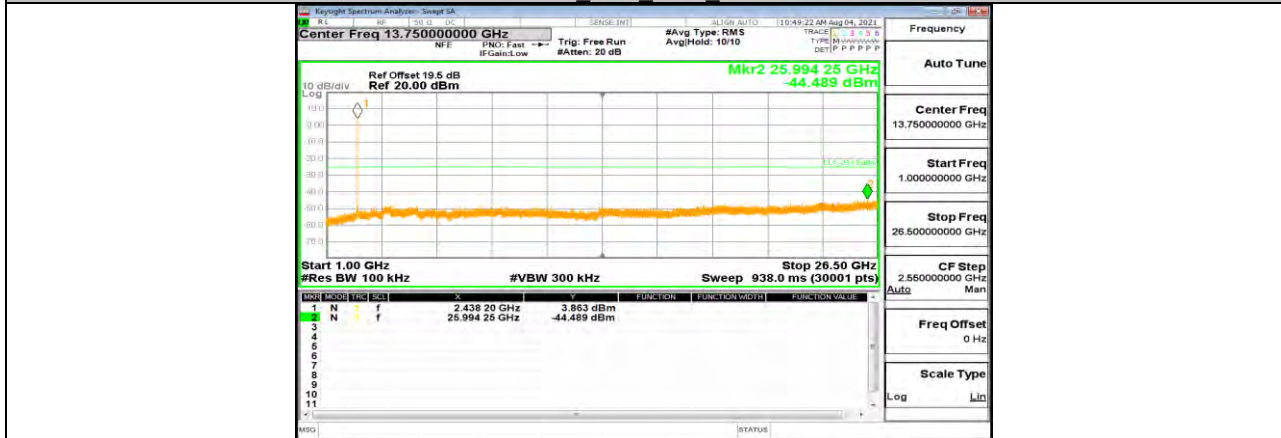
11B-CDD Ant1 2437 1000~26500



11B-CDD Ant2 2437 0~Reference



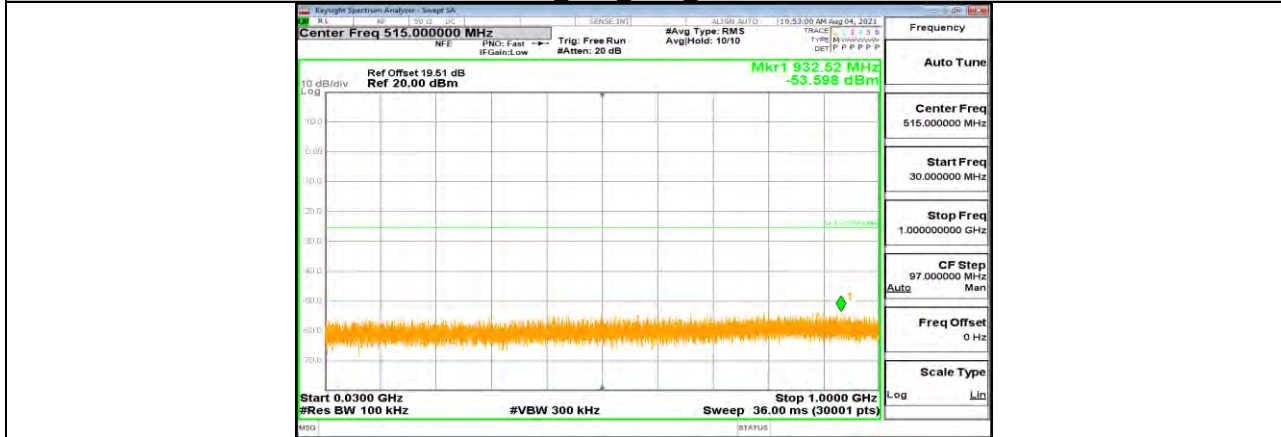
11B-CDD Ant2 2437 30~1000



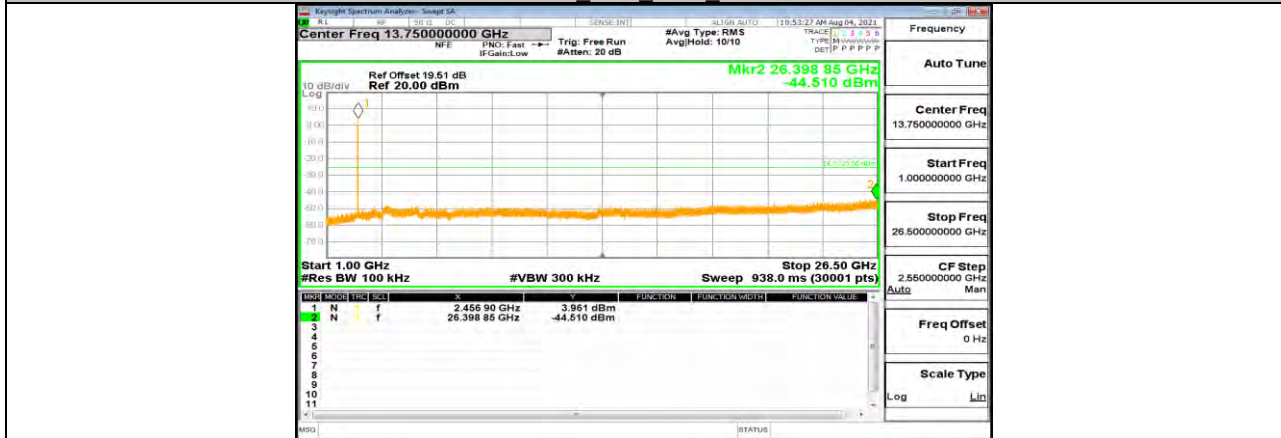
11B-CDD Ant2 2437 1000~26500



11B-CDD Ant1 2457 0~Reference



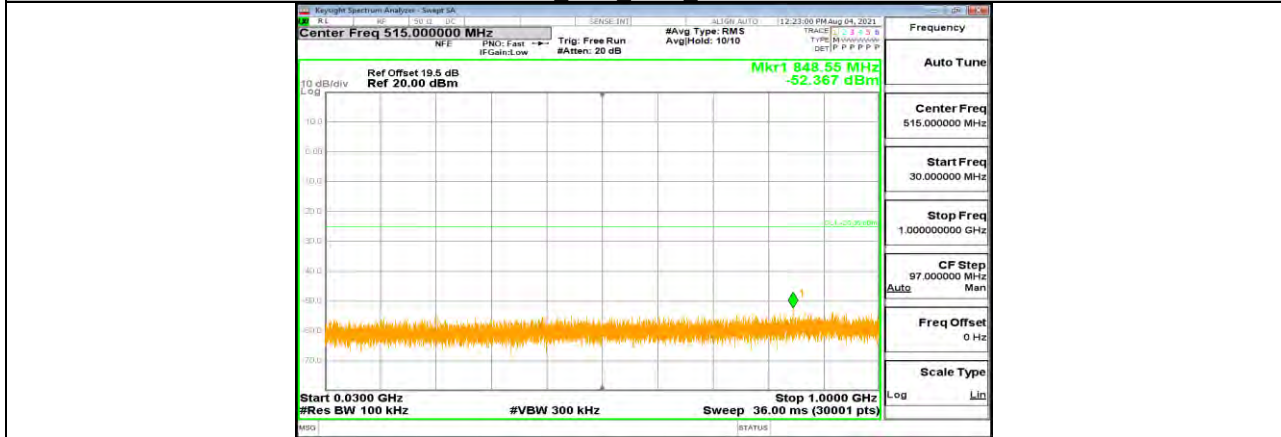
11B-CDD Ant1 2457 30~1000



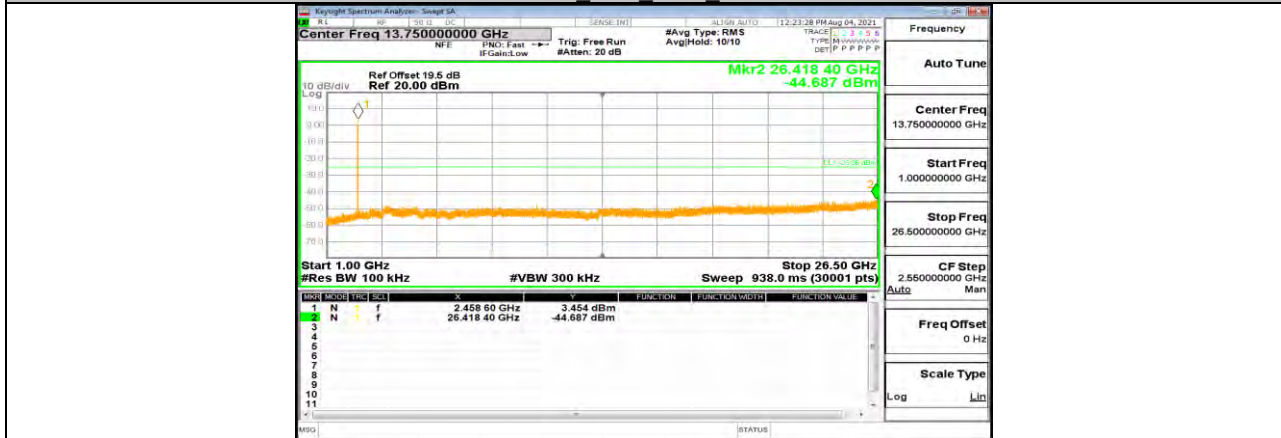
11B-CDD Ant1 2457 1000~26500



11B-CDD Ant2 2457 0~Reference



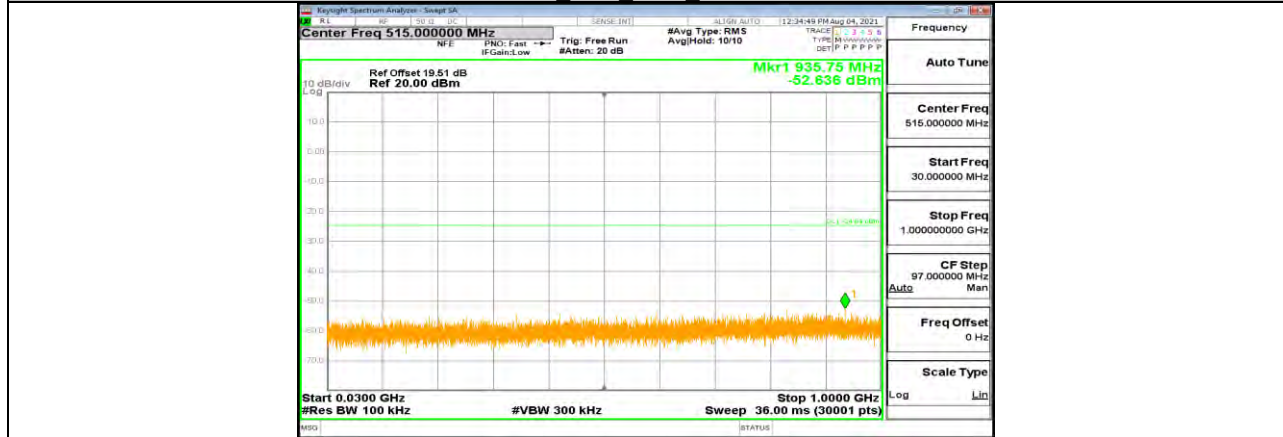
11B-CDD Ant2 2457 30~1000



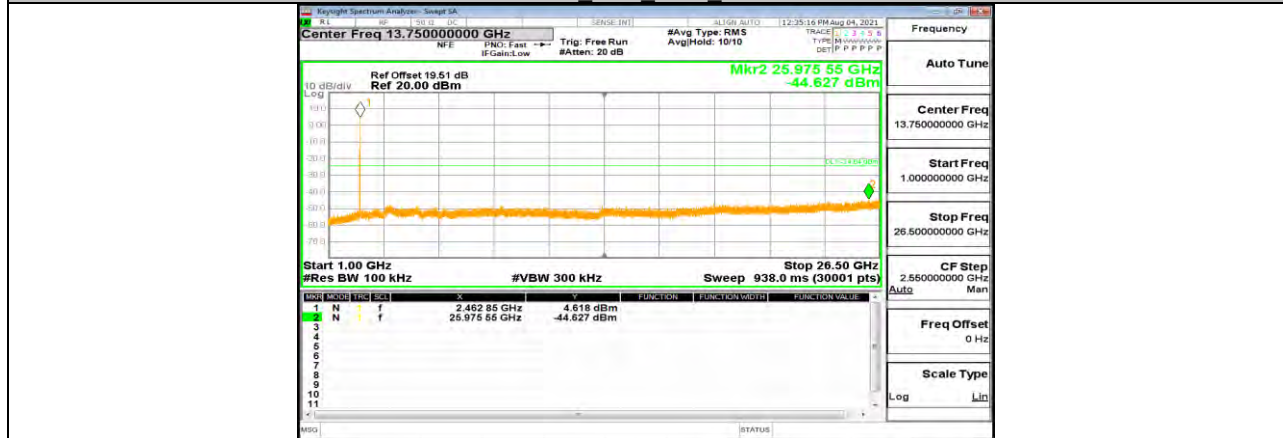
11B-CDD Ant2 2457 1000~26500



11B-CDD Ant1 2462 0~Reference



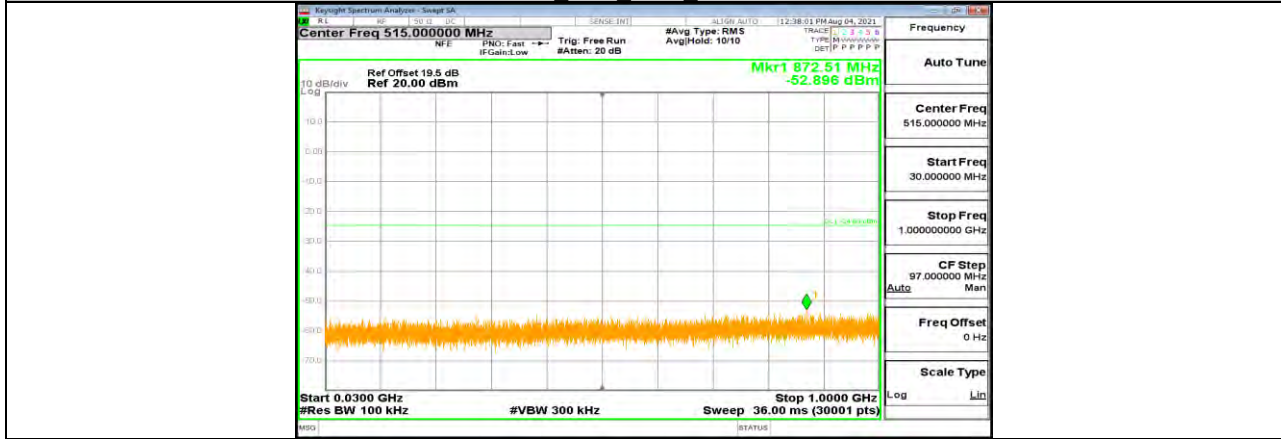
11B-CDD Ant1 2462 30~1000



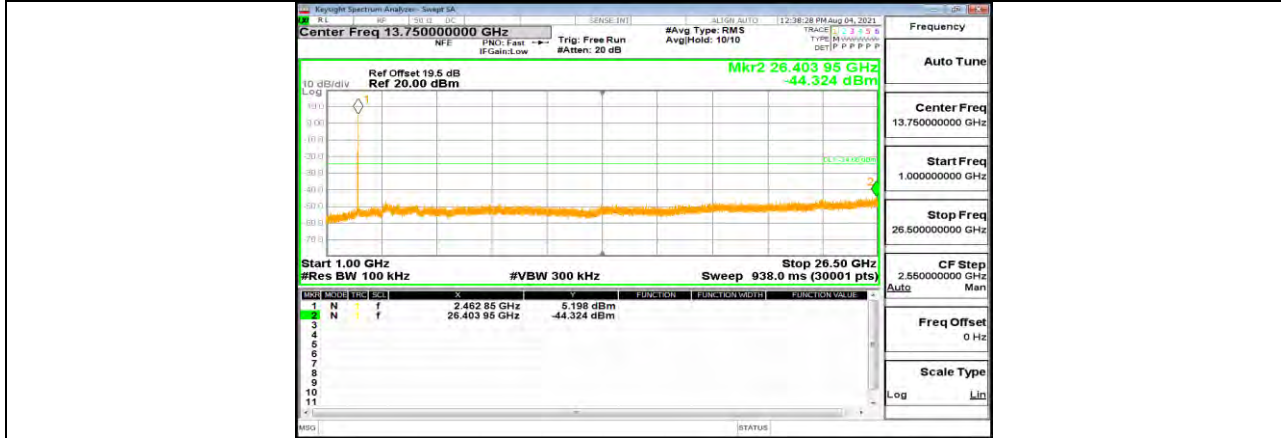
11B-CDD Ant1 2462 1000~26500



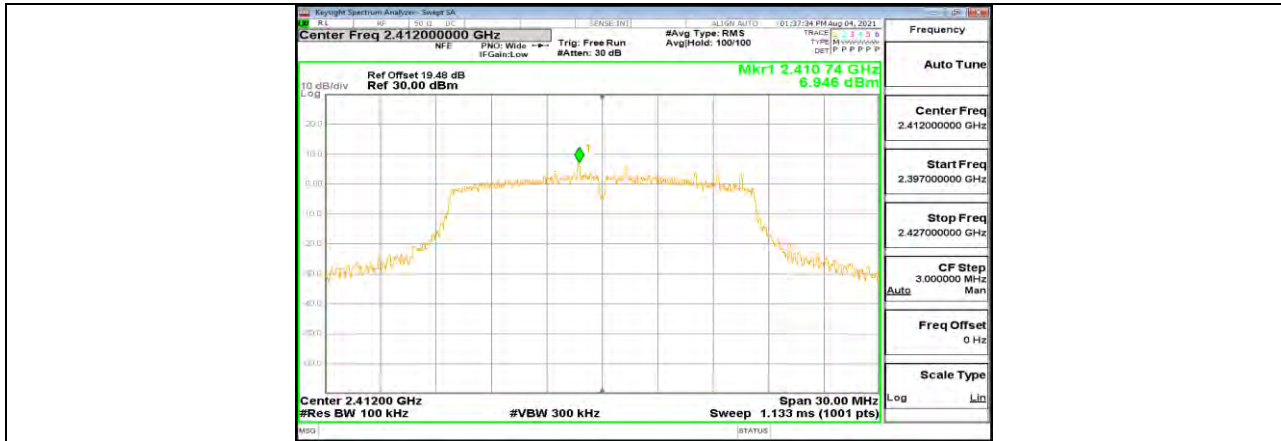
11B-CDD Ant2 2462 0~Reference



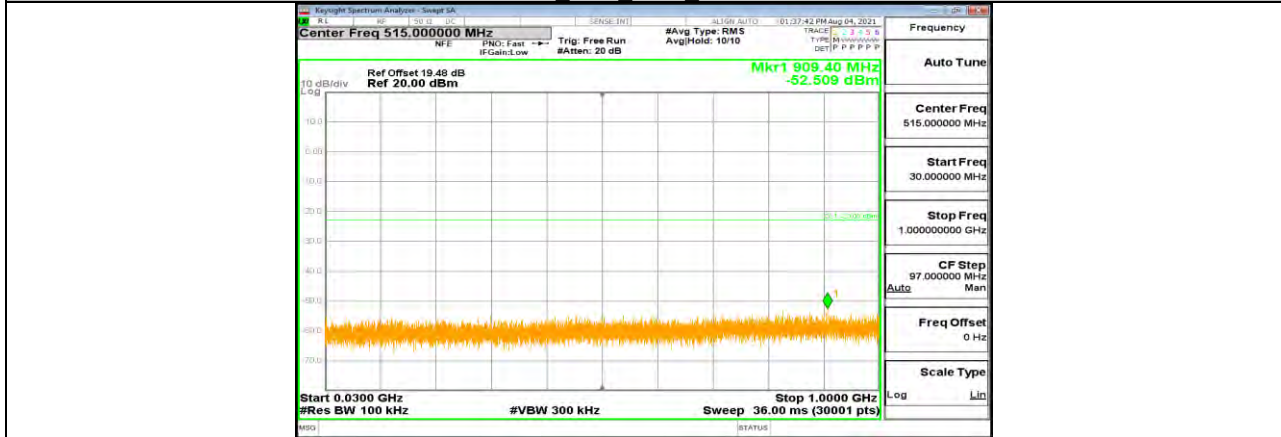
11B-CDD Ant2 2462 30~1000



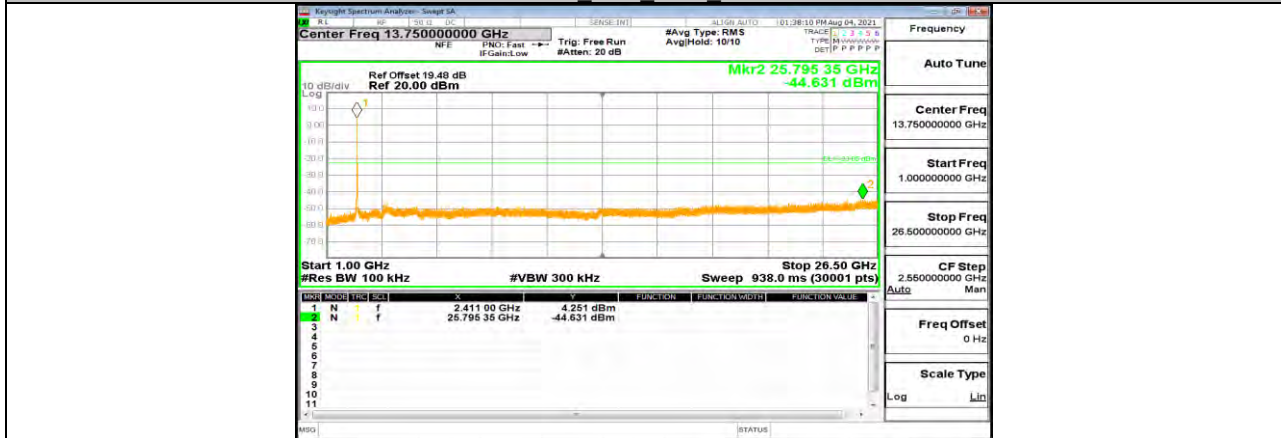
11B-CDD Ant2 2462 1000~26500



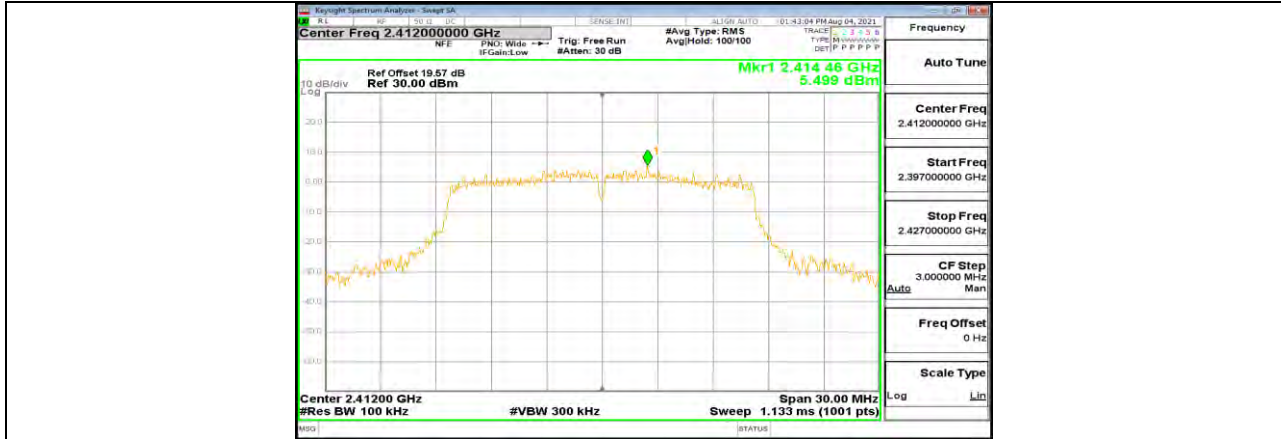
11G-CDD Ant1 2412 0~Reference



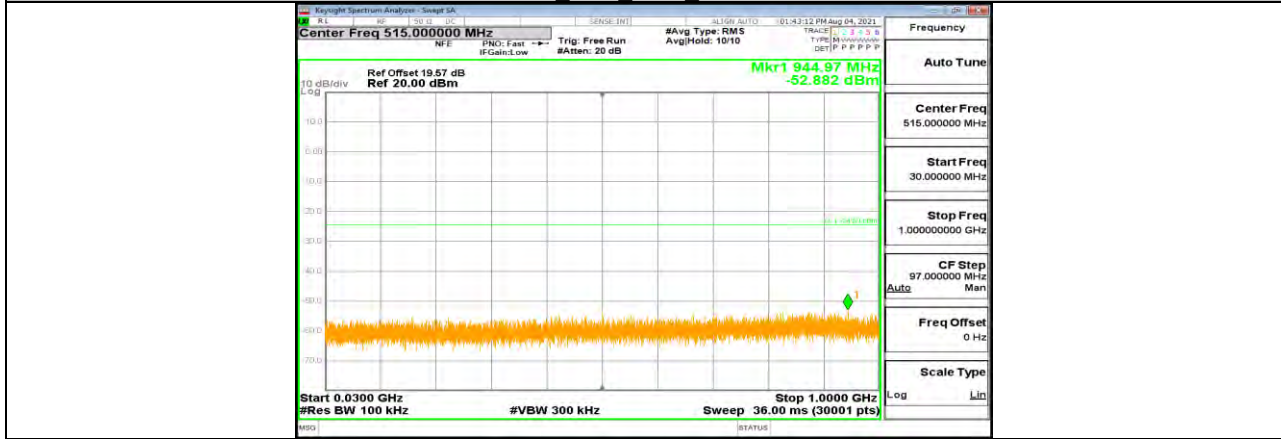
11G-CDD Ant1 2412 30~1000



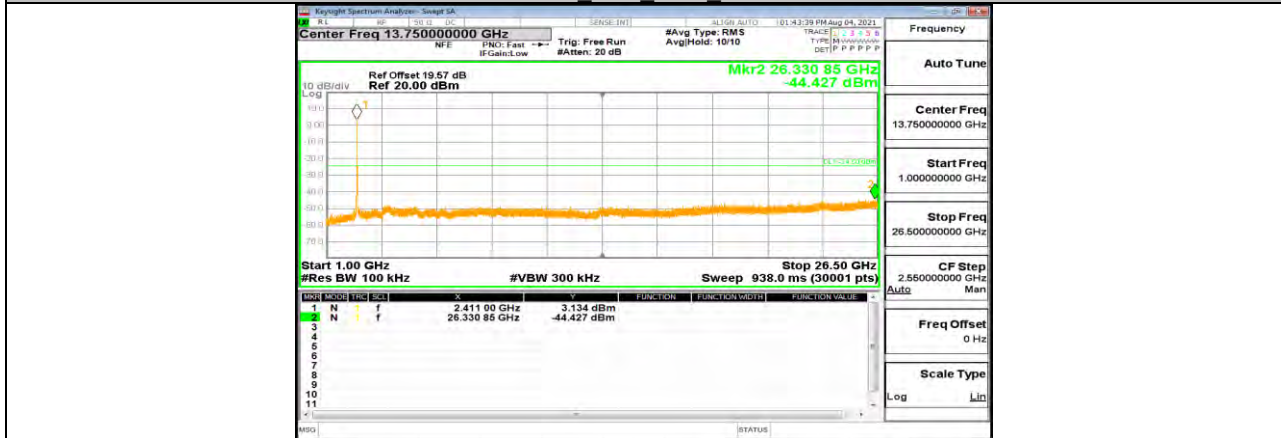
11G-CDD Ant1 2412 1000~26500



11G-CDD Ant2 2412 0~Reference



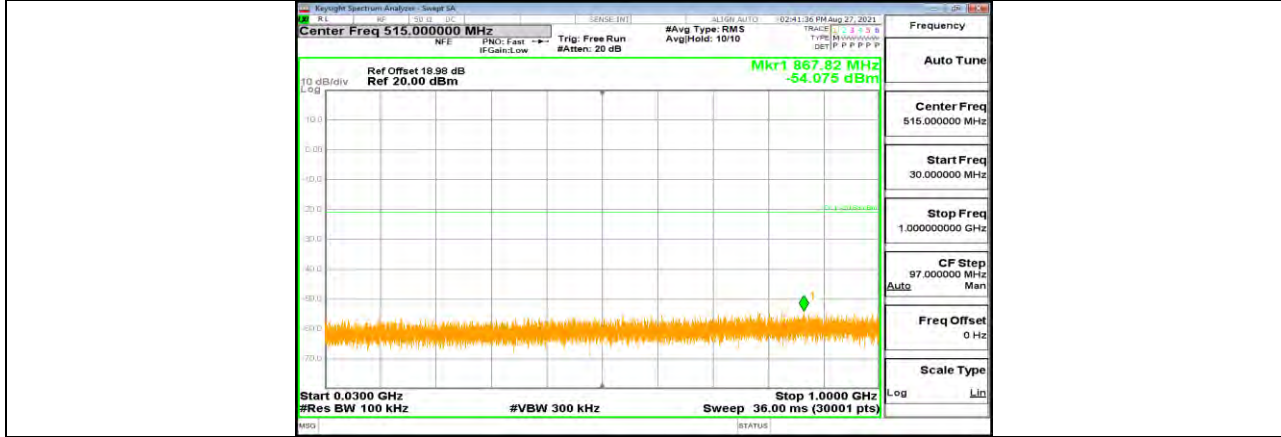
11G-CDD Ant2 2412 30~1000



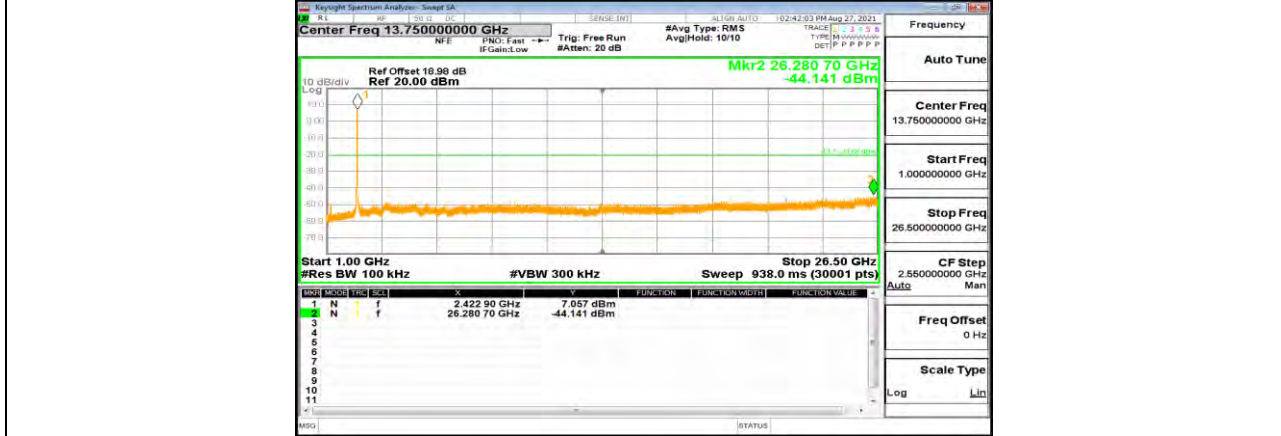
11G-CDD Ant2 2412 1000~26500



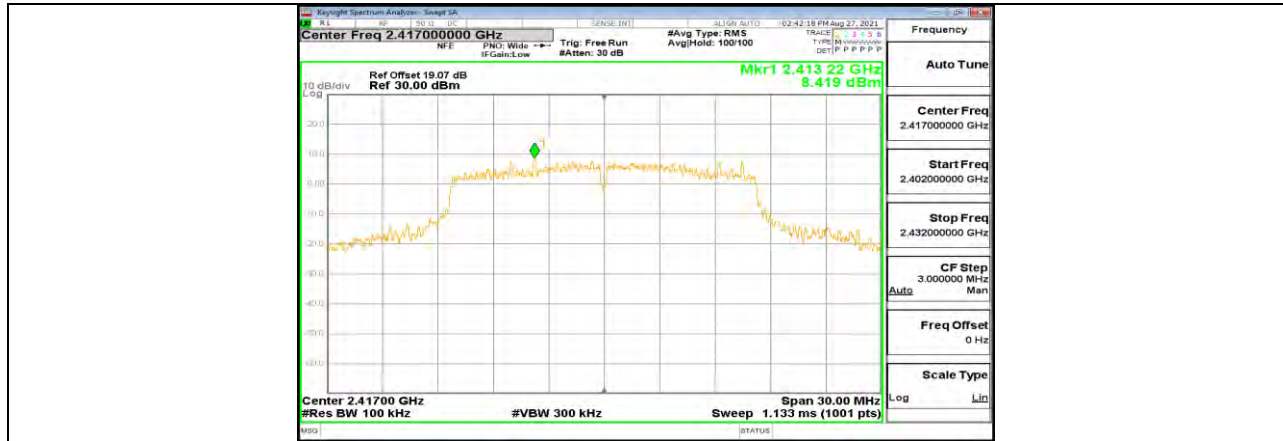
11G-CDD Ant1 2417 0~Reference



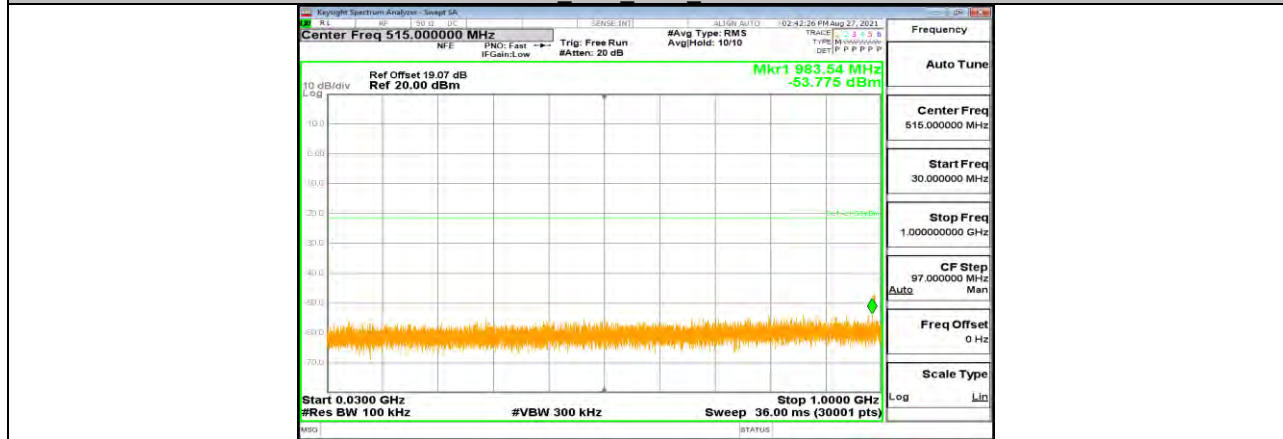
11G-CDD Ant1 2417 30~1000



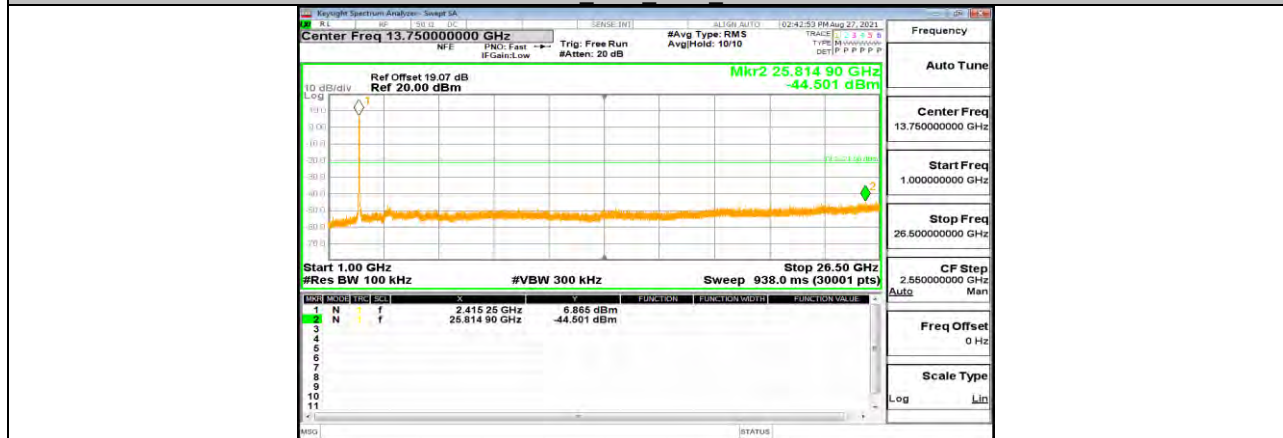
11G-CDD Ant1 2417 1000~26500



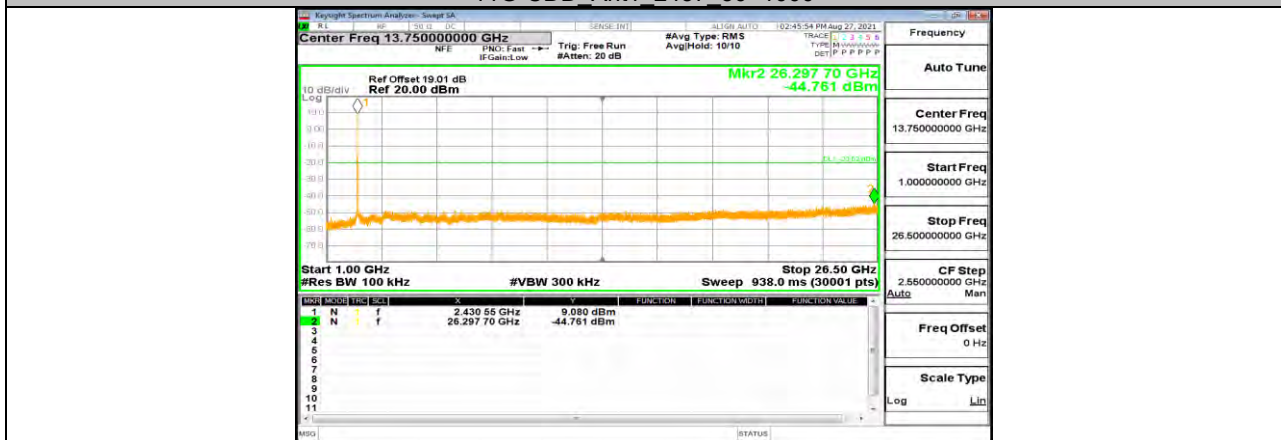
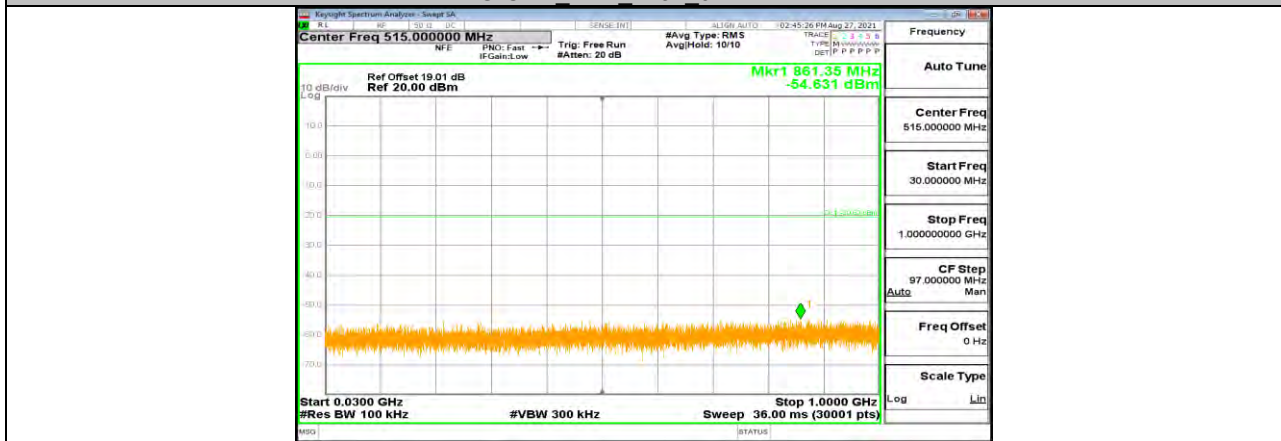
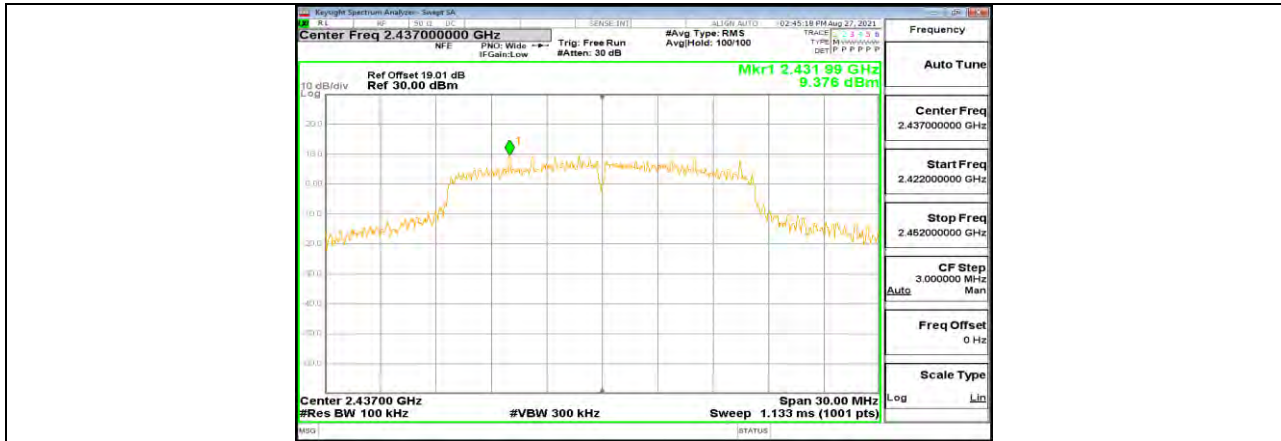
11G-CDD Ant2 2417 0~Reference

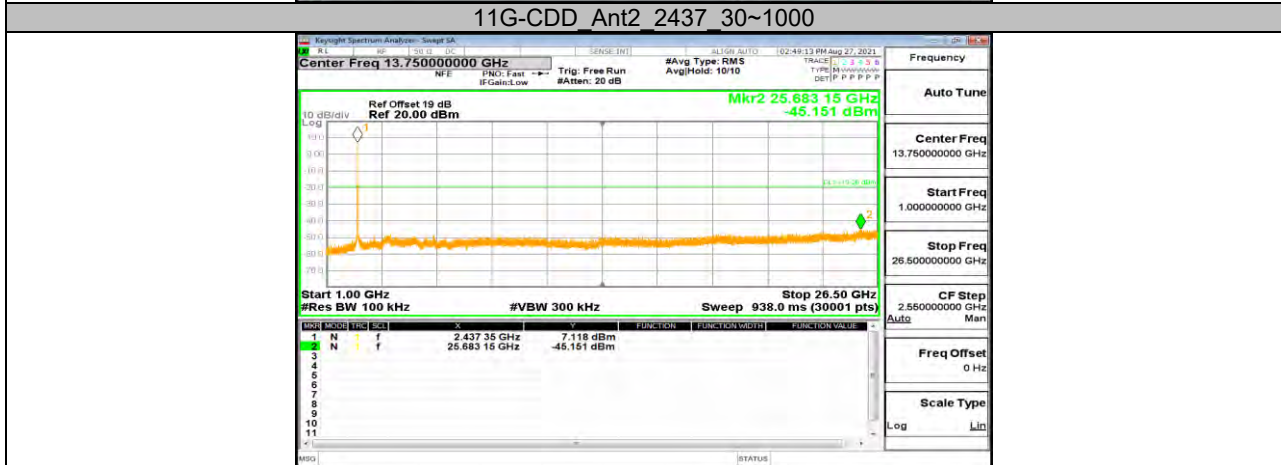
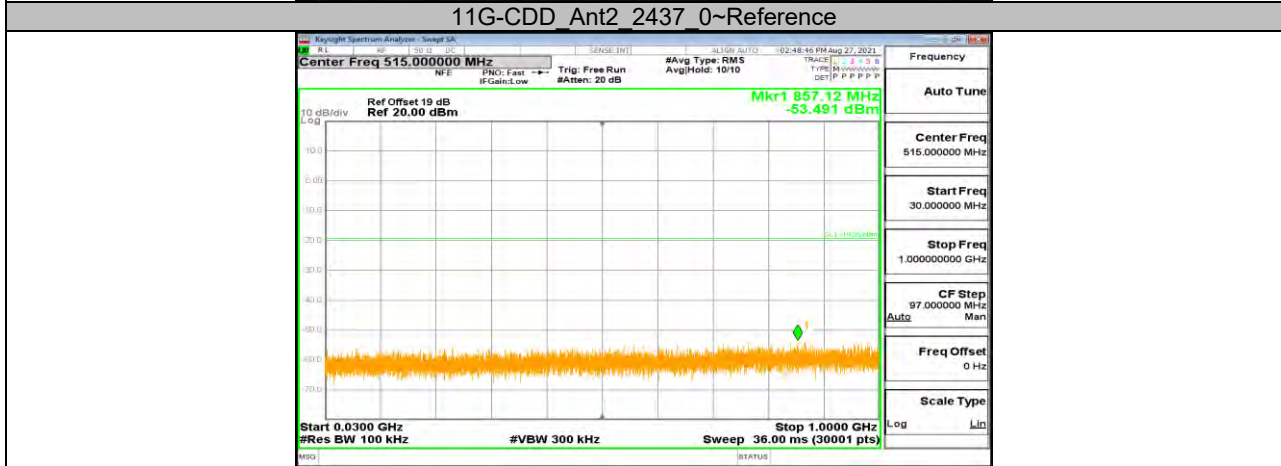


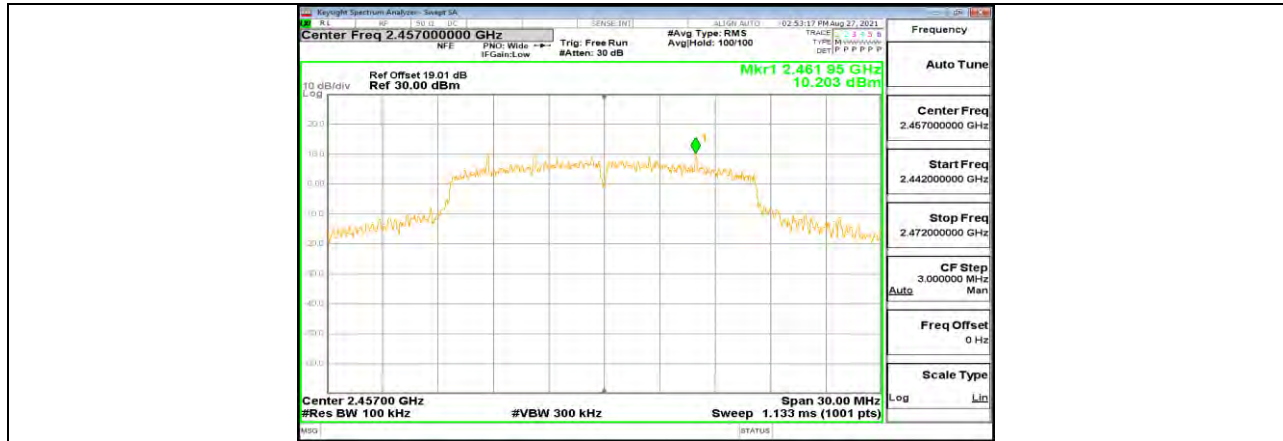
11G-CDD Ant2 2417 30~1000



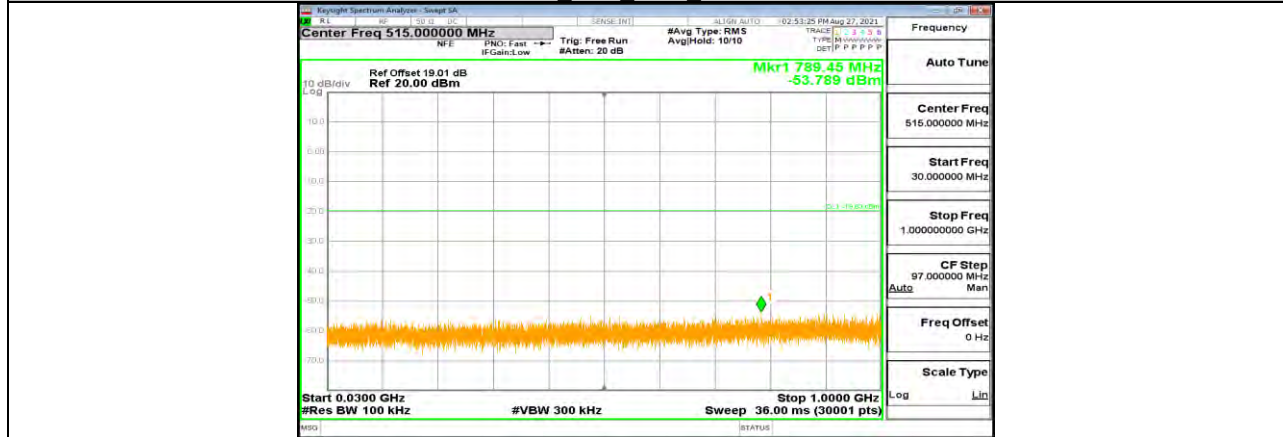
11G-CDD Ant2 2417 1000~26500



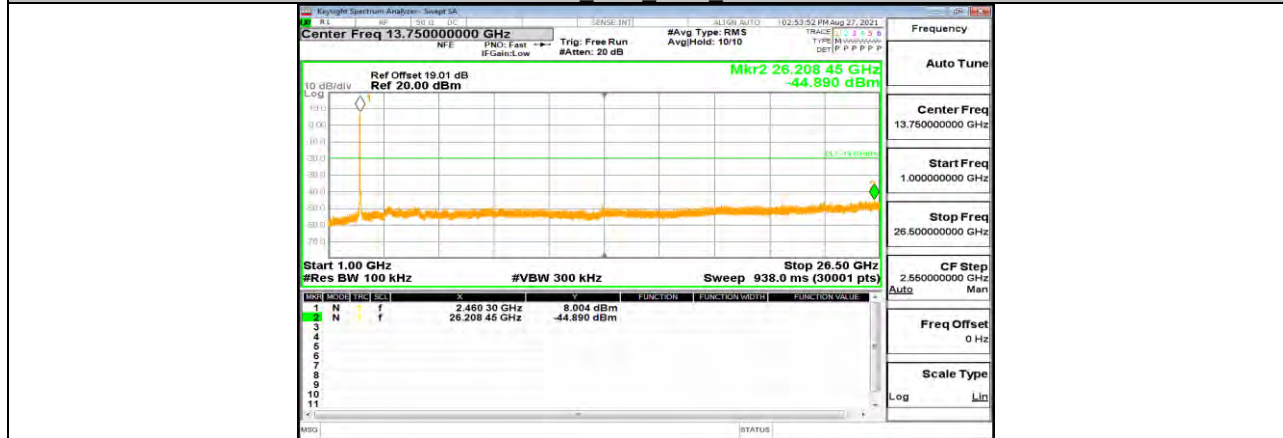




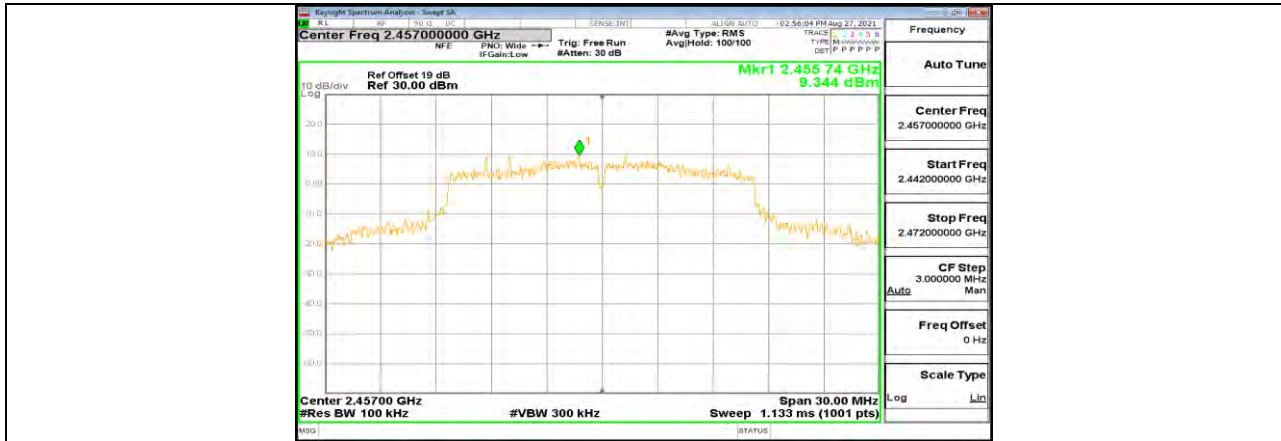
11G-CDD Ant1 2457 0~Reference



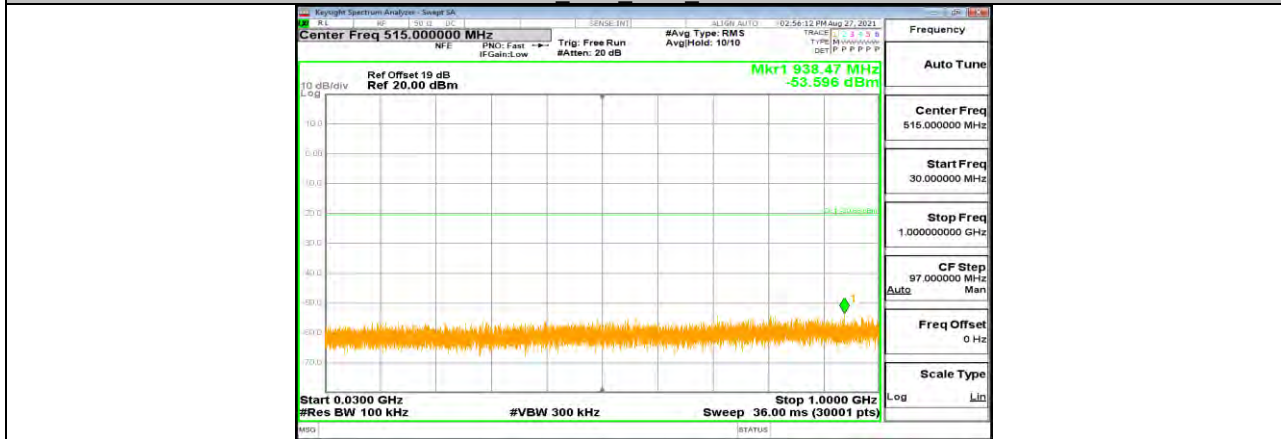
11G-CDD Ant1 2457 30~1000



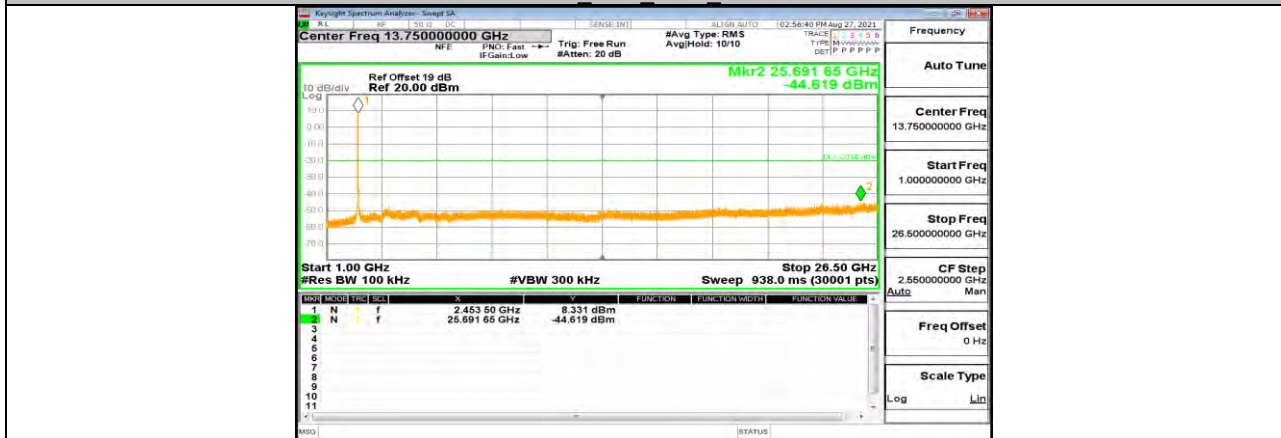
11G-CDD Ant1 2457 1000~26500



11G-CDD Ant2 2457 0~Reference



11G-CDD Ant2 2457 30~1000



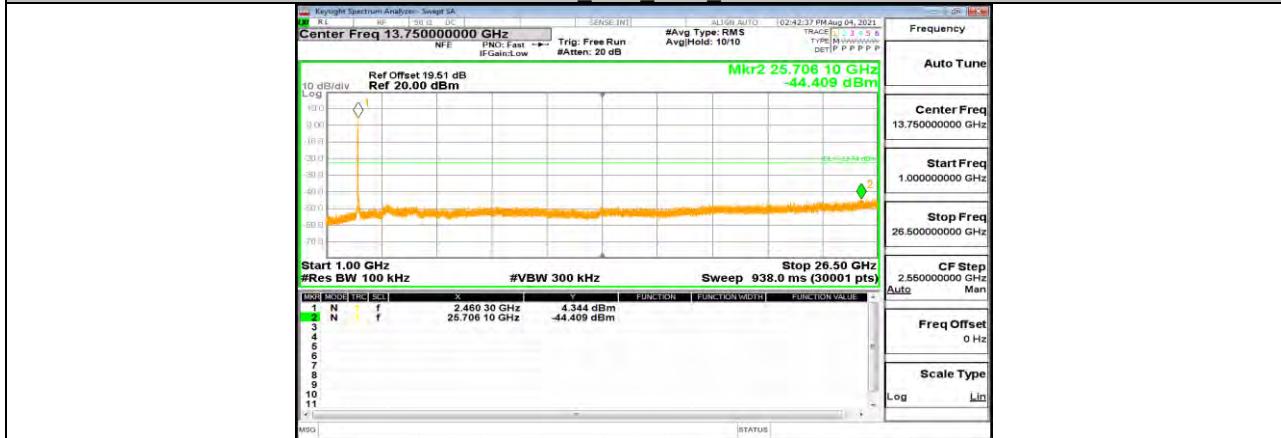
11G-CDD Ant2 2457 1000~26500



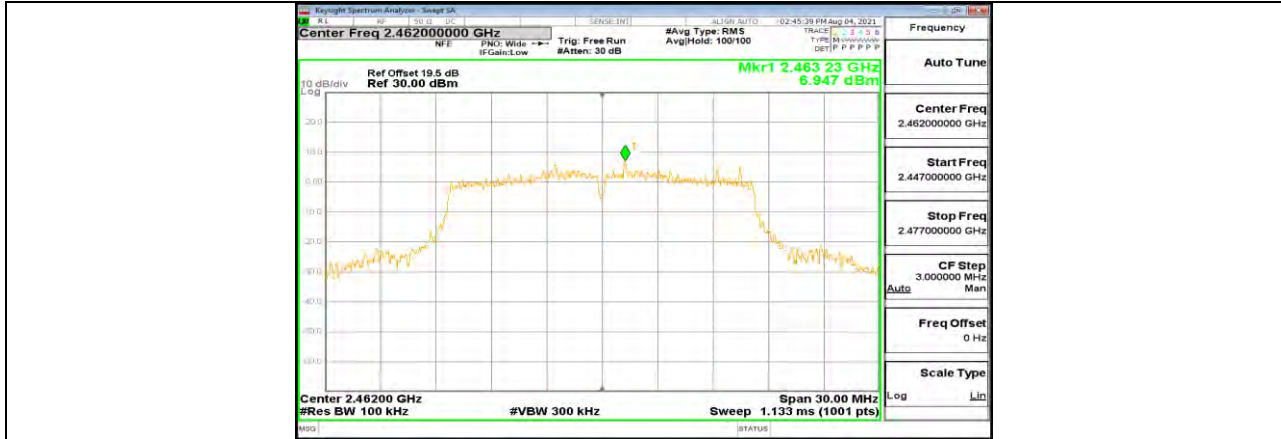
11G-CDD Ant1 2462 0~Reference



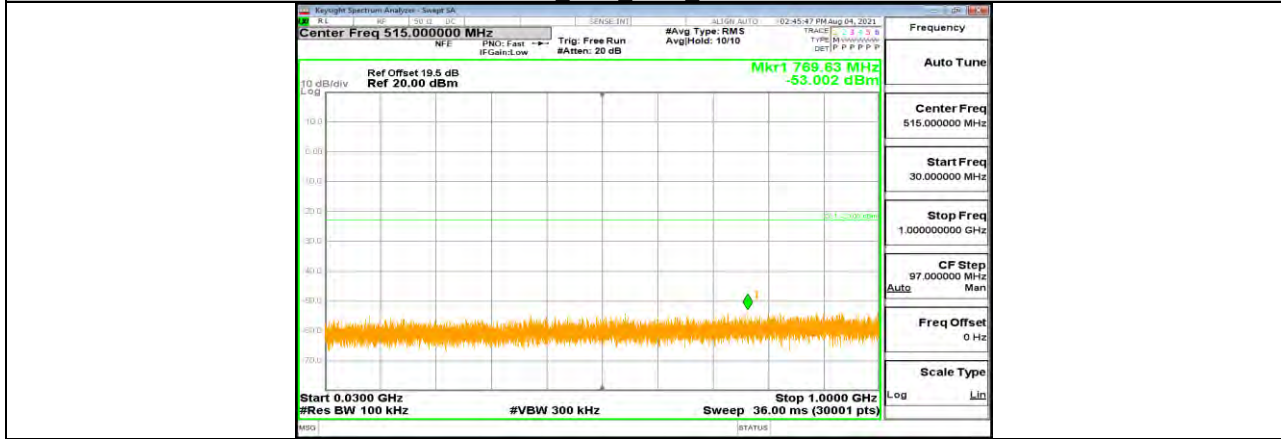
11G-CDD Ant1 2462 30~1000



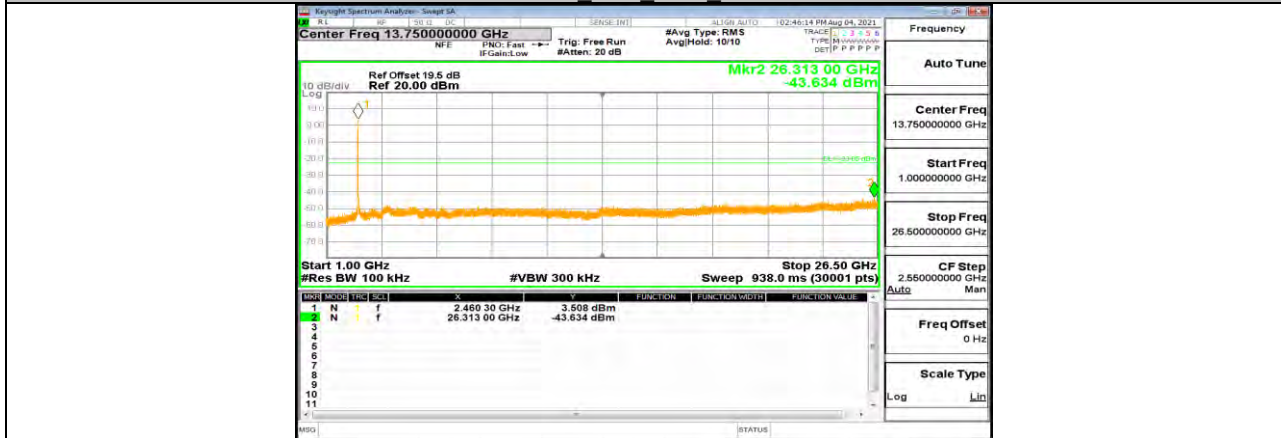
11G-CDD Ant1 2462 1000~26500



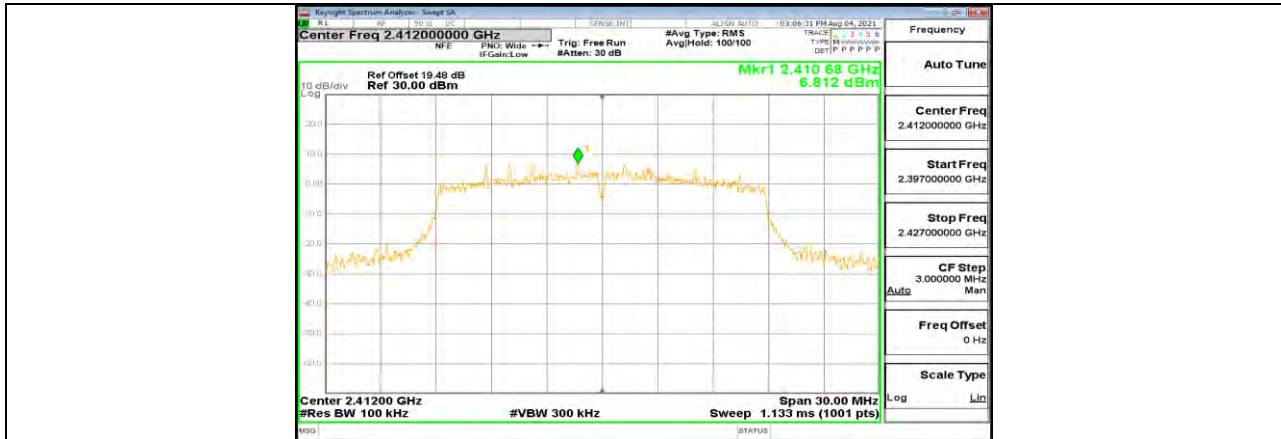
11G-CDD Ant2 2462 0~Reference



11G-CDD Ant2 2462 30~1000



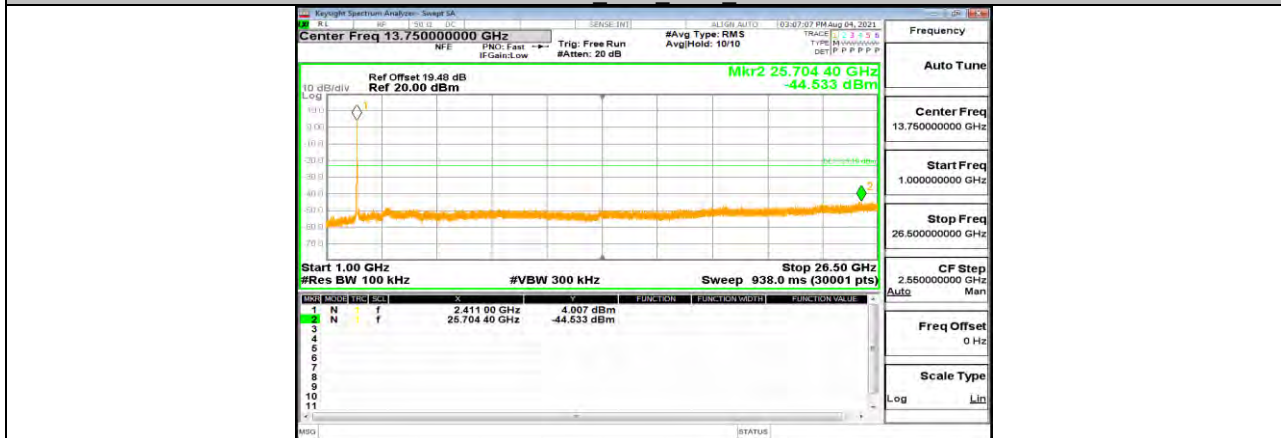
11G-CDD Ant2 2462 1000~26500



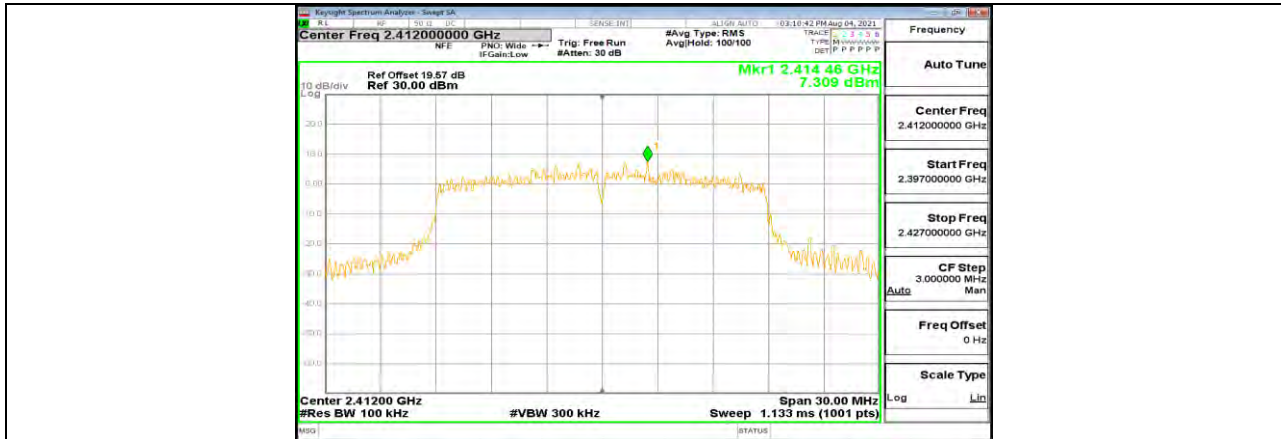
11N20MIMO Ant1 2412 0~Reference



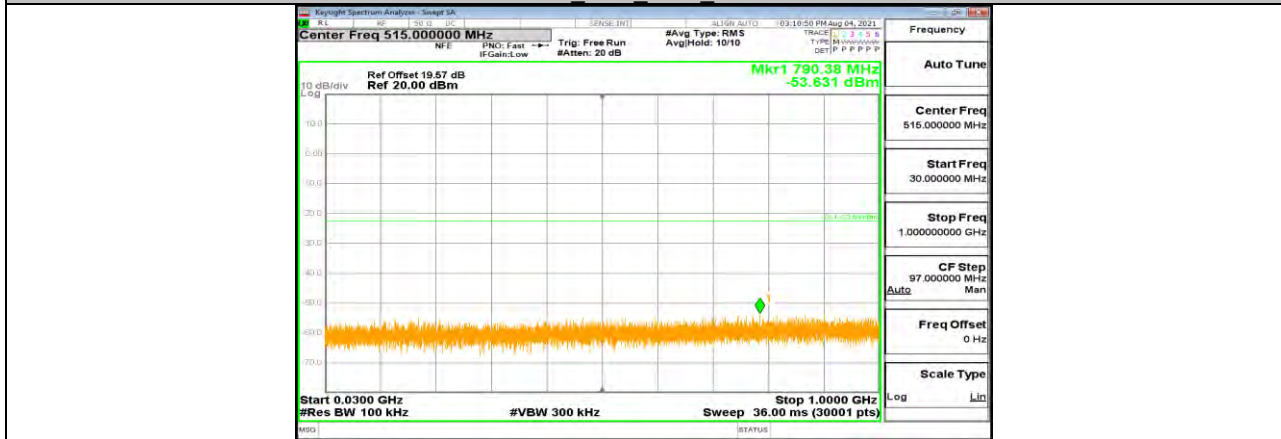
11N20MIMO Ant1 2412 30~1000



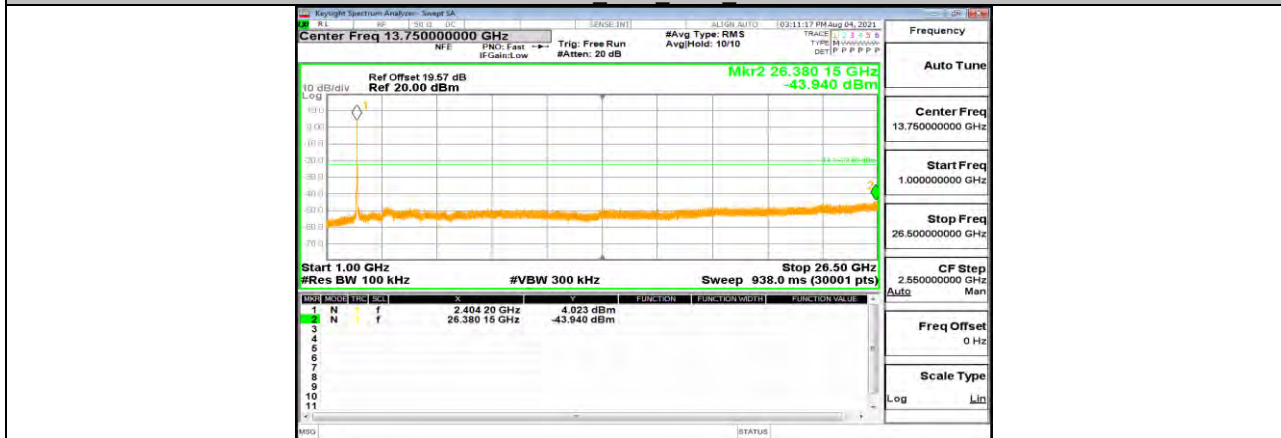
11N20MIMO Ant1 2412 1000~26500



11N20MIMO Ant2 2412 0~Reference



11N20MIMO Ant2 2412 30~1000



11N20MIMO Ant2 2412 1000~26500