

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band2	1.4MHz	QPSK	18607	1RB#0	30~1000	-61.79	PASS
Band2	1.4MHz	QPSK	18607	1RB#0	1000~20000	-23.38	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	30~1000	-61.82	PASS
Band2	1.4MHz	QPSK	18900	1RB#0	1000~20000	-23.28	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	30~1000	-61.83	PASS
Band2	1.4MHz	QPSK	19193	1RB#0	1000~20000	-23.29	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	30~1000	-61.84	PASS
Band2	1.4MHz	16QAM	18607	1RB#0	1000~20000	-23.33	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	30~1000	-61.88	PASS
Band2	1.4MHz	16QAM	18900	1RB#0	1000~20000	-23.27	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	30~1000	-61.79	PASS
Band2	1.4MHz	16QAM	19193	1RB#0	1000~20000	-23.37	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	30~1000	-61.82	PASS
Band2	1.4MHz	64QAM	18607	1RB#0	1000~20000	-23.37	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	30~1000	-61.85	PASS
Band2	1.4MHz	64QAM	18900	1RB#0	1000~20000	-23.30	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	30~1000	-61.78	PASS
Band2	1.4MHz	64QAM	19193	1RB#0	1000~20000	-23.04	PASS
Band2	20MHz	QPSK	18700	1RB#0	30~1000	-61.81	PASS
Band2	20MHz	QPSK	18700	1RB#0	1000~20000	-23.45	PASS
Band2	20MHz	QPSK	18900	1RB#0	30~1000	-61.80	PASS
Band2	20MHz	QPSK	18900	1RB#0	1000~20000	-23.32	PASS
Band2	20MHz	QPSK	19100	1RB#0	30~1000	-61.75	PASS
Band2	20MHz	QPSK	19100	1RB#0	1000~20000	-23.30	PASS
Band2	20MHz	16QAM	18700	1RB#0	30~1000	-61.78	PASS
Band2	20MHz	16QAM	18700	1RB#0	1000~20000	-23.26	PASS
Band2	20MHz	16QAM	18900	1RB#0	30~1000	-61.85	PASS
Band2	20MHz	16QAM	18900	1RB#0	1000~20000	-23.37	PASS
Band2	20MHz	16QAM	19100	1RB#0	30~1000	-61.83	PASS
Band2	20MHz	16QAM	19100	1RB#0	1000~20000	-23.26	PASS
Band2	20MHz	64QAM	18700	1RB#0	30~1000	-61.71	PASS
Band2	20MHz	64QAM	18700	1RB#0	1000~20000	-23.28	PASS
Band2	20MHz	64QAM	18900	1RB#0	30~1000	-61.78	PASS
Band2	20MHz	64QAM	18900	1RB#0	1000~20000	-23.27	PASS
Band2	20MHz	64QAM	19100	1RB#0	30~1000	-61.74	PASS
Band2	20MHz	64QAM	19100	1RB#0	1000~20000	-23.40	PASS
Band4	1.4MHz	QPSK	19957	1RB#0	30~1000	-61.76	PASS

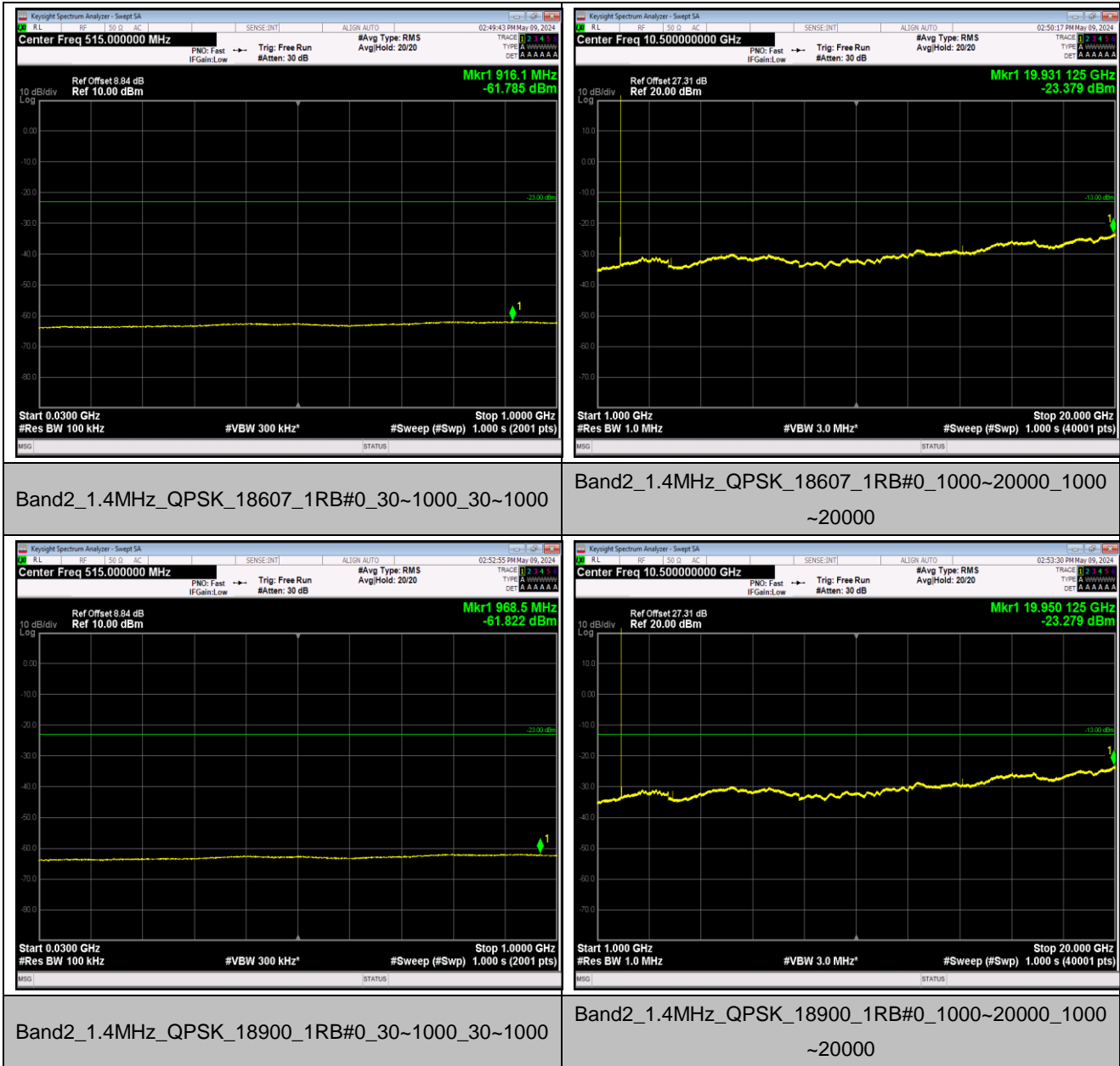
Band4	1.4MHz	QPSK	19957	1RB#0	1000~20000	-23.37	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	30~1000	-61.79	PASS
Band4	1.4MHz	QPSK	20175	1RB#0	1000~20000	-23.07	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	30~1000	-61.82	PASS
Band4	1.4MHz	QPSK	20393	1RB#0	1000~20000	-23.27	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	30~1000	-61.74	PASS
Band4	1.4MHz	16QAM	19957	1RB#0	1000~20000	-23.15	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	30~1000	-61.75	PASS
Band4	1.4MHz	16QAM	20175	1RB#0	1000~20000	-23.36	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	30~1000	-61.69	PASS
Band4	1.4MHz	16QAM	20393	1RB#0	1000~20000	-23.32	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	30~1000	-61.76	PASS
Band4	1.4MHz	64QAM	19957	1RB#0	1000~20000	-23.35	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	30~1000	-61.78	PASS
Band4	1.4MHz	64QAM	20175	1RB#0	1000~20000	-23.23	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	30~1000	-58.49	PASS
Band4	1.4MHz	64QAM	20393	1RB#0	1000~20000	-23.16	PASS
Band4	20MHz	QPSK	20050	1RB#0	30~1000	-61.78	PASS
Band4	20MHz	QPSK	20050	1RB#0	1000~20000	-23.43	PASS
Band4	20MHz	QPSK	20175	1RB#0	30~1000	-61.72	PASS
Band4	20MHz	QPSK	20175	1RB#0	1000~20000	-23.42	PASS
Band4	20MHz	QPSK	20300	1RB#0	30~1000	-61.81	PASS
Band4	20MHz	QPSK	20300	1RB#0	1000~20000	-23.35	PASS
Band4	20MHz	16QAM	20050	1RB#0	30~1000	-61.84	PASS
Band4	20MHz	16QAM	20050	1RB#0	1000~20000	-23.39	PASS
Band4	20MHz	16QAM	20175	1RB#0	30~1000	-61.85	PASS
Band4	20MHz	16QAM	20175	1RB#0	1000~20000	-23.31	PASS
Band4	20MHz	16QAM	20300	1RB#0	30~1000	-61.83	PASS
Band4	20MHz	16QAM	20300	1RB#0	1000~20000	-23.34	PASS
Band4	20MHz	64QAM	20050	1RB#0	30~1000	-61.80	PASS
Band4	20MHz	64QAM	20050	1RB#0	1000~20000	-23.37	PASS
Band4	20MHz	64QAM	20175	1RB#0	30~1000	-61.83	PASS
Band4	20MHz	64QAM	20175	1RB#0	1000~20000	-23.33	PASS
Band4	20MHz	64QAM	20300	1RB#0	30~1000	-61.78	PASS
Band4	20MHz	64QAM	20300	1RB#0	1000~20000	-23.37	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	30~1000	-50.34	PASS
Band5	1.4MHz	QPSK	20407	1RB#0	1000~10000	-33.70	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	30~1000	-49.34	PASS
Band5	1.4MHz	QPSK	20525	1RB#0	1000~10000	-33.62	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	30~1000	-49.90	PASS
Band5	1.4MHz	QPSK	20643	1RB#0	1000~10000	-33.94	PASS
Band5	1.4MHz	16QAM	20407	1RB#0	30~1000	-51.28	PASS

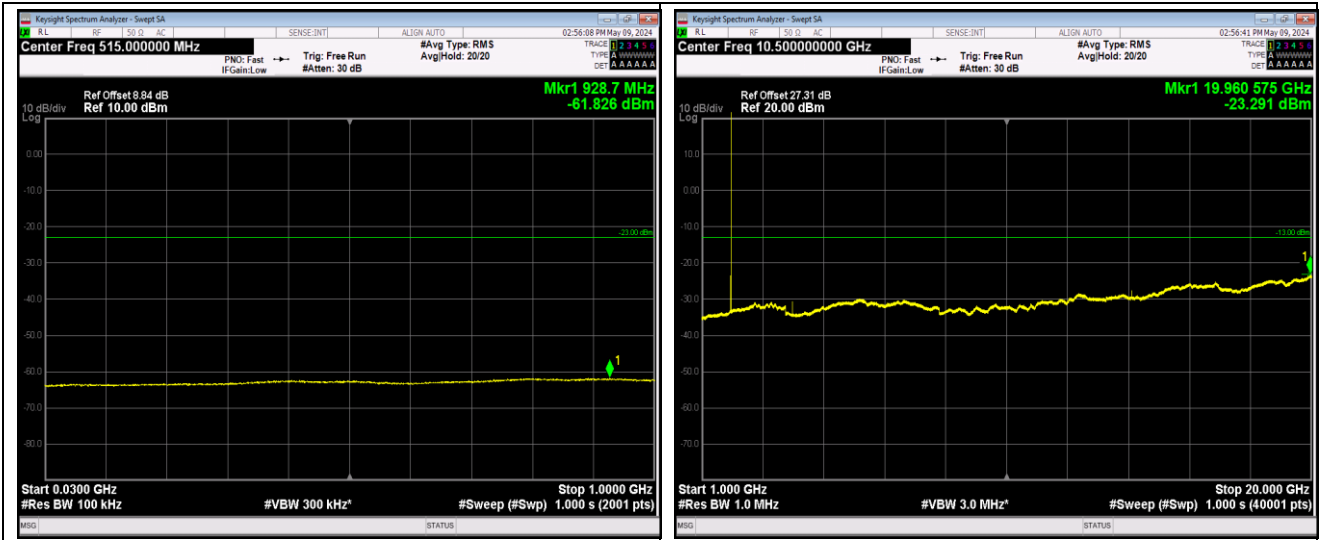
Band5	1.4MHz	16QAM	20407	1RB#0	1000~10000	-34.53	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	30~1000	-49.60	PASS
Band5	1.4MHz	16QAM	20525	1RB#0	1000~10000	-34.35	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	30~1000	-50.36	PASS
Band5	1.4MHz	16QAM	20643	1RB#0	1000~10000	-35.12	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	30~1000	-52.17	PASS
Band5	1.4MHz	64QAM	20407	1RB#0	1000~10000	-34.87	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	30~1000	-50.37	PASS
Band5	1.4MHz	64QAM	20525	1RB#0	1000~10000	-35.45	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	30~1000	-51.07	PASS
Band5	1.4MHz	64QAM	20643	1RB#0	1000~10000	-35.97	PASS
Band5	10MHz	QPSK	20450	1RB#0	30~1000	-61.67	PASS
Band5	10MHz	QPSK	20450	1RB#0	1000~10000	-33.26	PASS
Band5	10MHz	QPSK	20525	1RB#0	30~1000	-61.73	PASS
Band5	10MHz	QPSK	20525	1RB#0	1000~10000	-33.14	PASS
Band5	10MHz	QPSK	20600	1RB#0	30~1000	-61.62	PASS
Band5	10MHz	QPSK	20600	1RB#0	1000~10000	-33.49	PASS
Band5	10MHz	16QAM	20450	1RB#0	30~1000	-61.72	PASS
Band5	10MHz	16QAM	20450	1RB#0	1000~10000	-34.14	PASS
Band5	10MHz	16QAM	20525	1RB#0	30~1000	-61.76	PASS
Band5	10MHz	16QAM	20525	1RB#0	1000~10000	-33.96	PASS
Band5	10MHz	16QAM	20600	1RB#0	30~1000	-61.75	PASS
Band5	10MHz	16QAM	20600	1RB#0	1000~10000	-34.87	PASS
Band5	10MHz	64QAM	20450	1RB#0	30~1000	-61.83	PASS
Band5	10MHz	64QAM	20450	1RB#0	1000~10000	-35.84	PASS
Band5	10MHz	64QAM	20525	1RB#0	30~1000	-61.75	PASS
Band5	10MHz	64QAM	20525	1RB#0	1000~10000	-35.39	PASS
Band5	10MHz	64QAM	20600	1RB#0	30~1000	-61.81	PASS
Band5	10MHz	64QAM	20600	1RB#0	1000~10000	-35.92	PASS
Band7	5MHz	QPSK	20775	1RB#0	30~1000	-71.88	PASS
Band7	5MHz	QPSK	20775	1RB#0	1000~27000	-27.63	PASS
Band7	5MHz	QPSK	21100	1RB#0	30~1000	-71.79	PASS
Band7	5MHz	QPSK	21100	1RB#0	1000~27000	-27.67	PASS
Band7	5MHz	QPSK	21425	1RB#0	30~1000	-71.88	PASS
Band7	5MHz	QPSK	21425	1RB#0	1000~27000	-27.63	PASS
Band7	5MHz	16QAM	20775	1RB#0	30~1000	-71.86	PASS
Band7	5MHz	16QAM	20775	1RB#0	1000~27000	-27.76	PASS
Band7	5MHz	16QAM	21100	1RB#0	30~1000	-71.85	PASS
Band7	5MHz	16QAM	21100	1RB#0	1000~27000	-27.62	PASS
Band7	5MHz	16QAM	21425	1RB#0	30~1000	-71.87	PASS
Band7	5MHz	16QAM	21425	1RB#0	1000~27000	-27.64	PASS
Band7	5MHz	64QAM	20775	1RB#0	30~1000	-71.93	PASS

Band7	5MHz	64QAM	20775	1RB#0	1000~27000	-27.62	PASS
Band7	5MHz	64QAM	21100	1RB#0	30~1000	-71.88	PASS
Band7	5MHz	64QAM	21100	1RB#0	1000~27000	-27.63	PASS
Band7	5MHz	64QAM	21425	1RB#0	30~1000	-71.72	PASS
Band7	5MHz	64QAM	21425	1RB#0	1000~27000	-27.63	PASS
Band7	20MHz	QPSK	20850	1RB#0	30~1000	-71.85	PASS
Band7	20MHz	QPSK	20850	1RB#0	1000~27000	-27.69	PASS
Band7	20MHz	QPSK	21100	1RB#0	30~1000	-71.77	PASS
Band7	20MHz	QPSK	21100	1RB#0	1000~27000	-27.68	PASS
Band7	20MHz	QPSK	21350	1RB#0	30~1000	-71.84	PASS
Band7	20MHz	QPSK	21350	1RB#0	1000~27000	-27.71	PASS
Band7	20MHz	16QAM	20850	1RB#0	30~1000	-71.93	PASS
Band7	20MHz	16QAM	20850	1RB#0	1000~27000	-27.74	PASS
Band7	20MHz	16QAM	21100	1RB#0	30~1000	-70.48	PASS
Band7	20MHz	16QAM	21100	1RB#0	1000~27000	-27.72	PASS
Band7	20MHz	16QAM	21350	1RB#0	30~1000	-71.91	PASS
Band7	20MHz	16QAM	21350	1RB#0	1000~27000	-27.68	PASS
Band7	20MHz	64QAM	20850	1RB#0	30~1000	-71.89	PASS
Band7	20MHz	64QAM	20850	1RB#0	1000~27000	-27.66	PASS
Band7	20MHz	64QAM	21100	1RB#0	30~1000	-68.92	PASS
Band7	20MHz	64QAM	21100	1RB#0	1000~27000	-27.64	PASS
Band7	20MHz	64QAM	21350	1RB#0	30~1000	-71.91	PASS
Band7	20MHz	64QAM	21350	1RB#0	1000~27000	-27.51	PASS
41(2535-2655)	5MHz	QPSK	40065	1RB#0	30~1000	-61.21	PASS
41(2535-2655)	5MHz	QPSK	40065	1RB#0	1000~18000	-30.99	PASS
41(2535-2655)	5MHz	QPSK	40065	1RB#0	18000~27000	-39.14	PASS
41(2535-2655)	5MHz	QPSK	40640	1RB#0	30~1000	-62.13	PASS
41(2535-2655)	5MHz	QPSK	40640	1RB#0	1000~18000	-30.89	PASS
41(2535-2655)	5MHz	QPSK	40640	1RB#0	18000~27000	-39.04	PASS
41(2535-2655)	5MHz	QPSK	41215	1RB#0	30~1000	-62.03	PASS
41(2535-2655)	5MHz	QPSK	41215	1RB#0	1000~18000	-30.15	PASS
41(2535-2655)	5MHz	QPSK	41215	1RB#0	18000~27000	-39.02	PASS
41(2535-2655)	5MHz	16QAM	40065	1RB#0	30~1000	-62.16	PASS
41(2535-2655)	5MHz	16QAM	40065	1RB#0	1000~18000	-30.91	PASS
41(2535-2655)	5MHz	16QAM	40065	1RB#0	18000~27000	-39.00	PASS
41(2535-2655)	5MHz	16QAM	40640	1RB#0	30~1000	-61.67	PASS
41(2535-2655)	5MHz	16QAM	40640	1RB#0	1000~18000	-30.95	PASS
41(2535-2655)	5MHz	16QAM	40640	1RB#0	18000~27000	-39.10	PASS
41(2535-2655)	5MHz	16QAM	41215	1RB#0	30~1000	-61.03	PASS
41(2535-2655)	5MHz	16QAM	41215	1RB#0	1000~18000	-30.40	PASS
41(2535-2655)	5MHz	16QAM	41215	1RB#0	18000~27000	-38.91	PASS
41(2535-2655)	5MHz	64QAM	40065	1RB#0	30~1000	-61.73	PASS

41(2535-2655)	5MHz	64QAM	40065	1RB#0	1000~18000	-31.04	PASS
41(2535-2655)	5MHz	64QAM	40065	1RB#0	18000~27000	-39.11	PASS
41(2535-2655)	5MHz	64QAM	40640	1RB#0	30~1000	-61.91	PASS
41(2535-2655)	5MHz	64QAM	40640	1RB#0	1000~18000	-31.02	PASS
41(2535-2655)	5MHz	64QAM	40640	1RB#0	18000~27000	-39.07	PASS
41(2535-2655)	5MHz	64QAM	41215	1RB#0	30~1000	-61.06	PASS
41(2535-2655)	5MHz	64QAM	41215	1RB#0	1000~18000	-30.92	PASS
41(2535-2655)	5MHz	64QAM	41215	1RB#0	18000~27000	-39.02	PASS
41(2535-2655)	20MHz	QPSK	40140	1RB#0	30~1000	-61.02	PASS
41(2535-2655)	20MHz	QPSK	40140	1RB#0	1000~18000	-30.80	PASS
41(2535-2655)	20MHz	QPSK	40140	1RB#0	18000~27000	-39.14	PASS
41(2535-2655)	20MHz	QPSK	40640	1RB#0	30~1000	-61.22	PASS
41(2535-2655)	20MHz	QPSK	40640	1RB#0	1000~18000	-31.11	PASS
41(2535-2655)	20MHz	QPSK	40640	1RB#0	18000~27000	-39.18	PASS
41(2535-2655)	20MHz	QPSK	41140	1RB#0	30~1000	-61.12	PASS
41(2535-2655)	20MHz	QPSK	41140	1RB#0	1000~18000	-30.97	PASS
41(2535-2655)	20MHz	QPSK	41140	1RB#0	18000~27000	-39.18	PASS
41(2535-2655)	20MHz	16QAM	40140	1RB#0	30~1000	-61.43	PASS
41(2535-2655)	20MHz	16QAM	40140	1RB#0	1000~18000	-31.05	PASS
41(2535-2655)	20MHz	16QAM	40140	1RB#0	18000~27000	-39.17	PASS
41(2535-2655)	20MHz	16QAM	40640	1RB#0	30~1000	-61.14	PASS
41(2535-2655)	20MHz	16QAM	40640	1RB#0	1000~18000	-30.96	PASS
41(2535-2655)	20MHz	16QAM	40640	1RB#0	18000~27000	-39.16	PASS
41(2535-2655)	20MHz	16QAM	41140	1RB#0	30~1000	-61.33	PASS
41(2535-2655)	20MHz	16QAM	41140	1RB#0	1000~18000	-31.01	PASS
41(2535-2655)	20MHz	16QAM	41140	1RB#0	18000~27000	-39.15	PASS
41(2535-2655)	20MHz	64QAM	40140	1RB#0	30~1000	-61.23	PASS
41(2535-2655)	20MHz	64QAM	40140	1RB#0	1000~18000	-30.85	PASS
41(2535-2655)	20MHz	64QAM	40140	1RB#0	18000~27000	-39.15	PASS
41(2535-2655)	20MHz	64QAM	40640	1RB#0	30~1000	-61.39	PASS
41(2535-2655)	20MHz	64QAM	40640	1RB#0	1000~18000	-31.17	PASS
41(2535-2655)	20MHz	64QAM	40640	1RB#0	18000~27000	-39.17	PASS
41(2535-2655)	20MHz	64QAM	41140	1RB#0	30~1000	-61.14	PASS
41(2535-2655)	20MHz	64QAM	41140	1RB#0	1000~18000	-31.09	PASS
41(2535-2655)	20MHz	64QAM	41140	1RB#0	18000~27000	-39.10	PASS

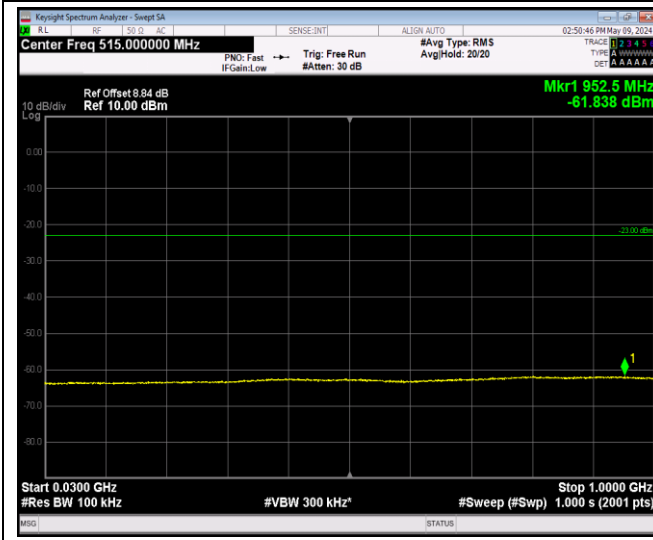
Test Graphs





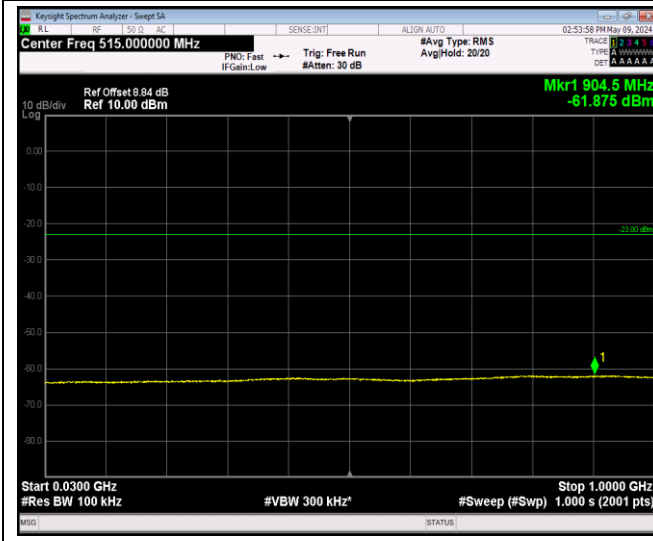
Band2_1.4MHz_QPSK_19193_1RB#0_30~1000_30~1000

Band2_1.4MHz_QPSK_19193_1RB#0_1000~20000_1000~20000



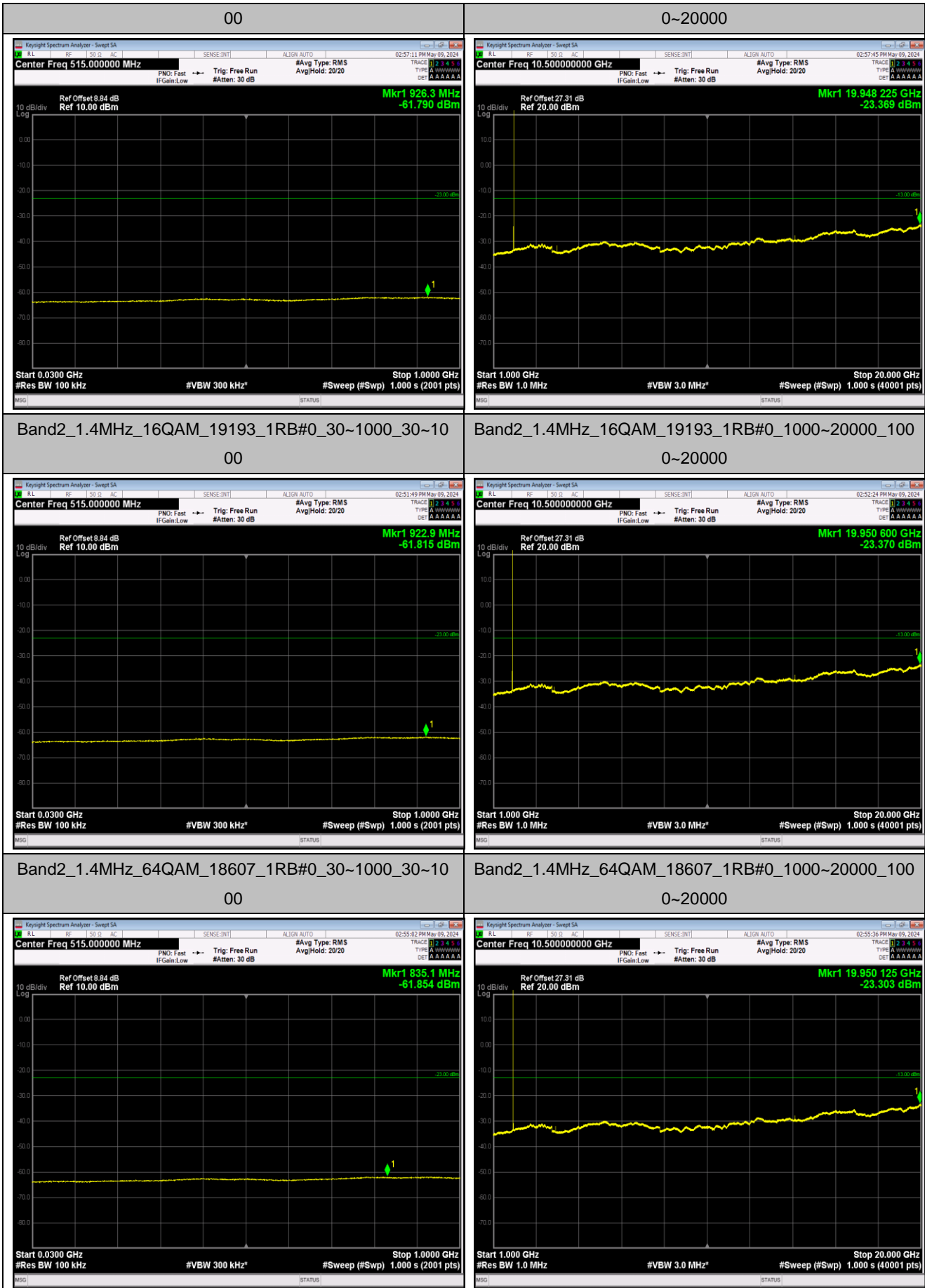
Band2_1.4MHz_16QAM_18607_1RB#0_30~1000_30~1000

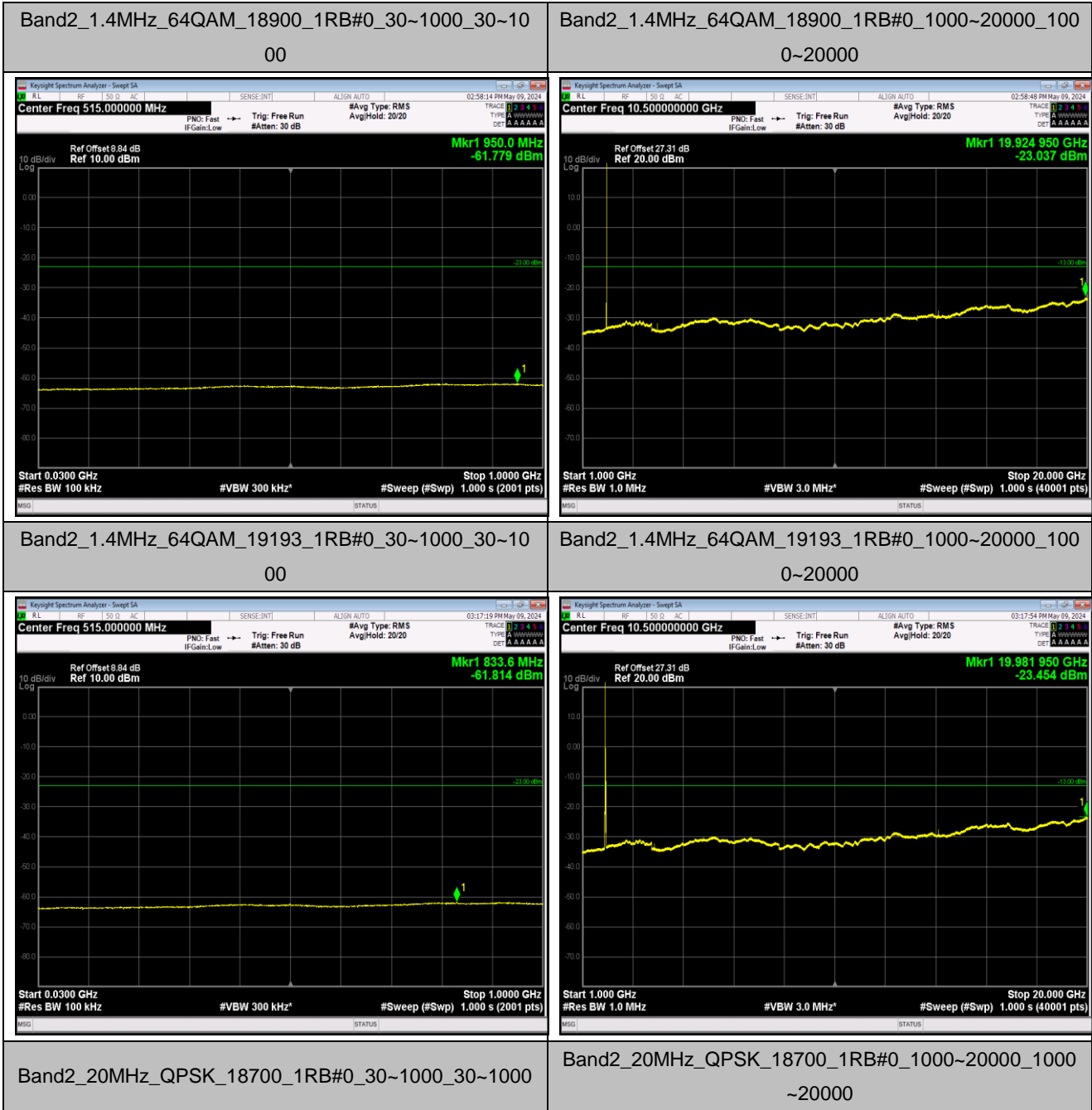
Band2_1.4MHz_16QAM_18607_1RB#0_1000~20000_1000~20000

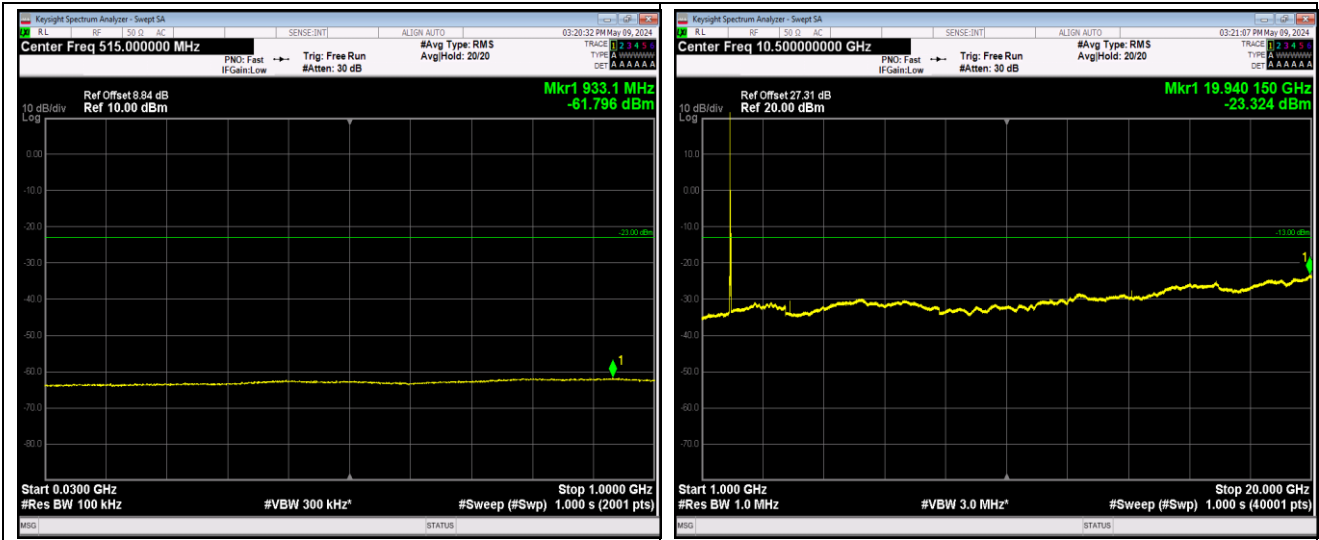


Band2_1.4MHz_16QAM_18900_1RB#0_30~1000_30~1000

Band2_1.4MHz_16QAM_18900_1RB#0_1000~20000_1000~20000

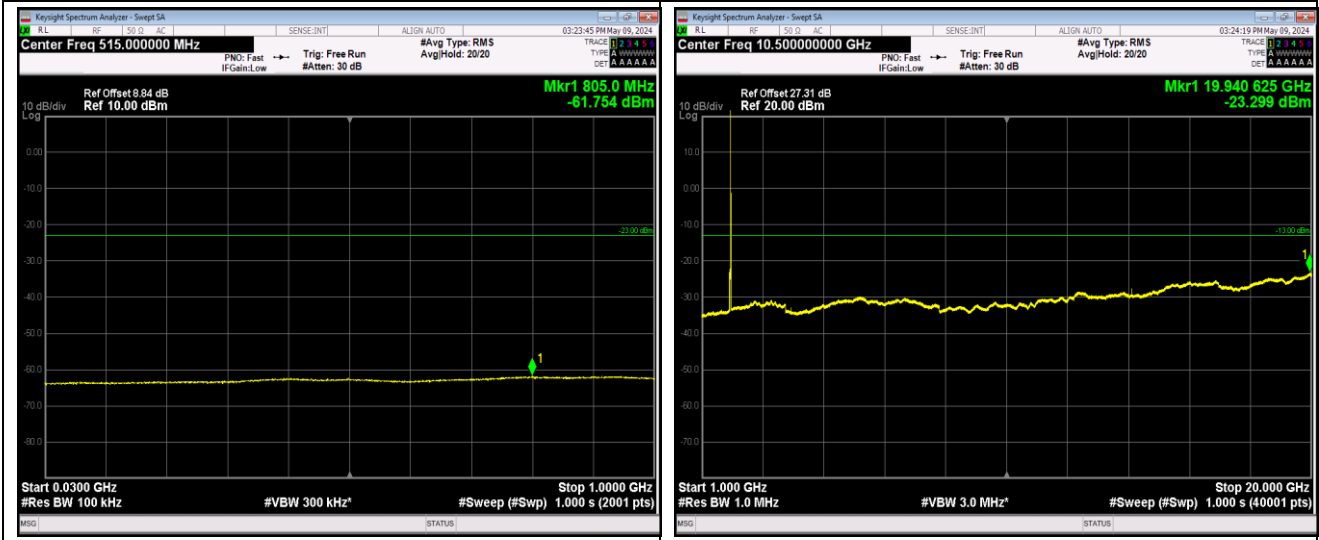






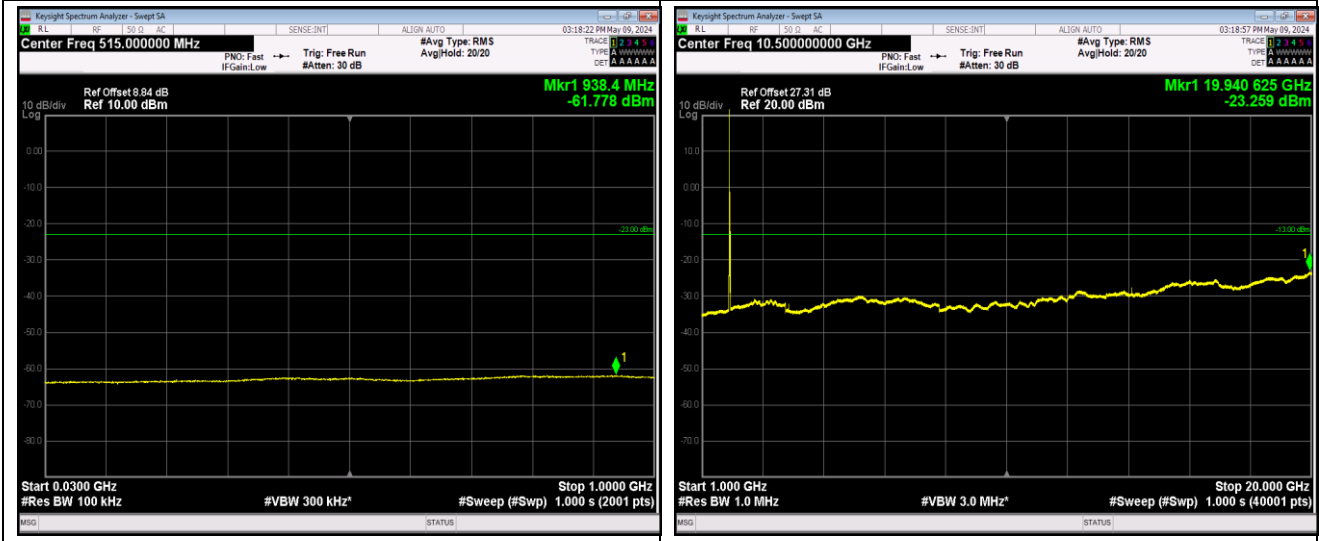
Band2_20MHz_QPSK_18900_1RB#0_30~1000_30~1000

Band2_20MHz_QPSK_18900_1RB#0_1000~20000_1000~20000



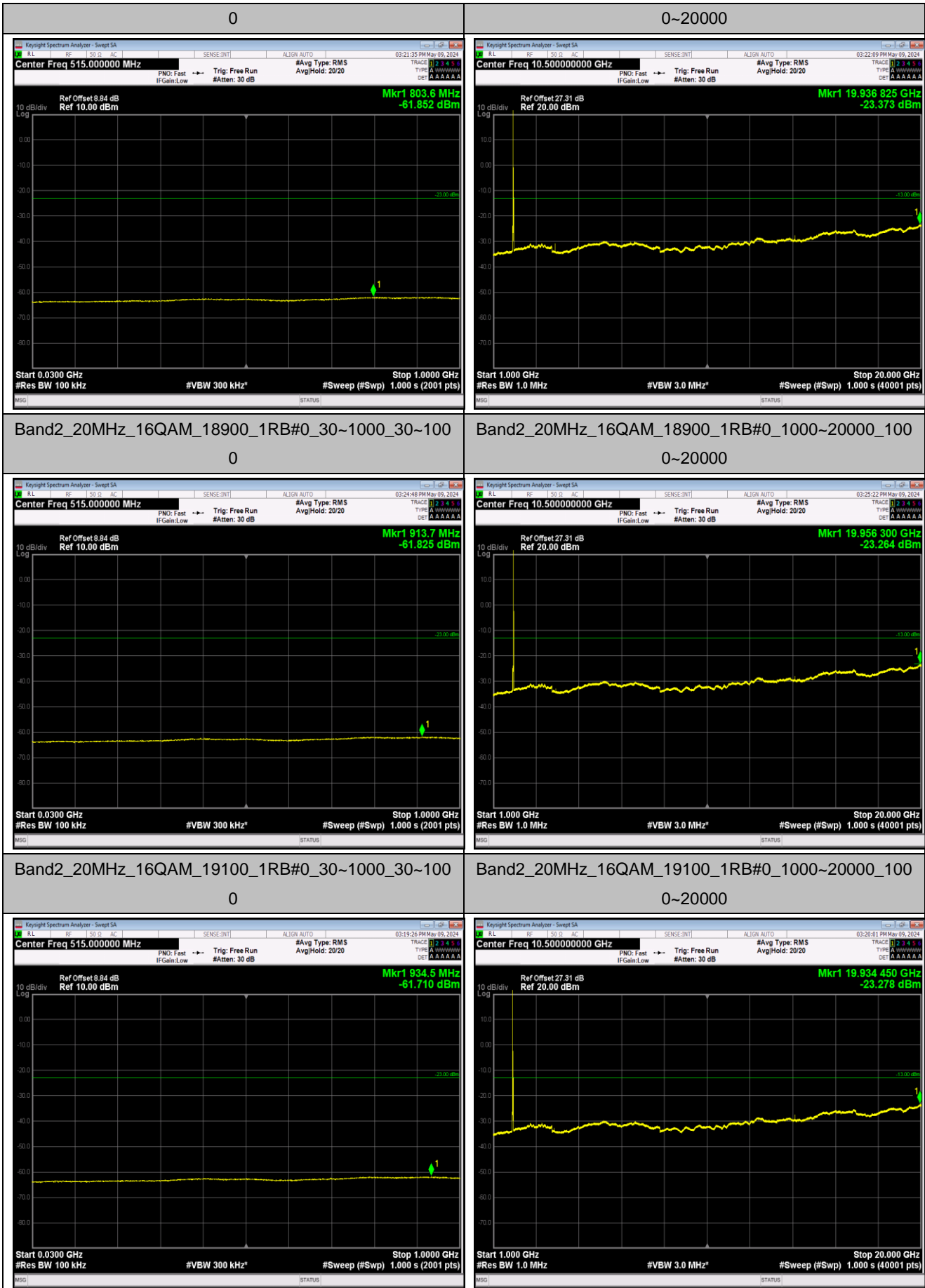
Band2_20MHz_QPSK_19100_1RB#0_30~1000_30~1000

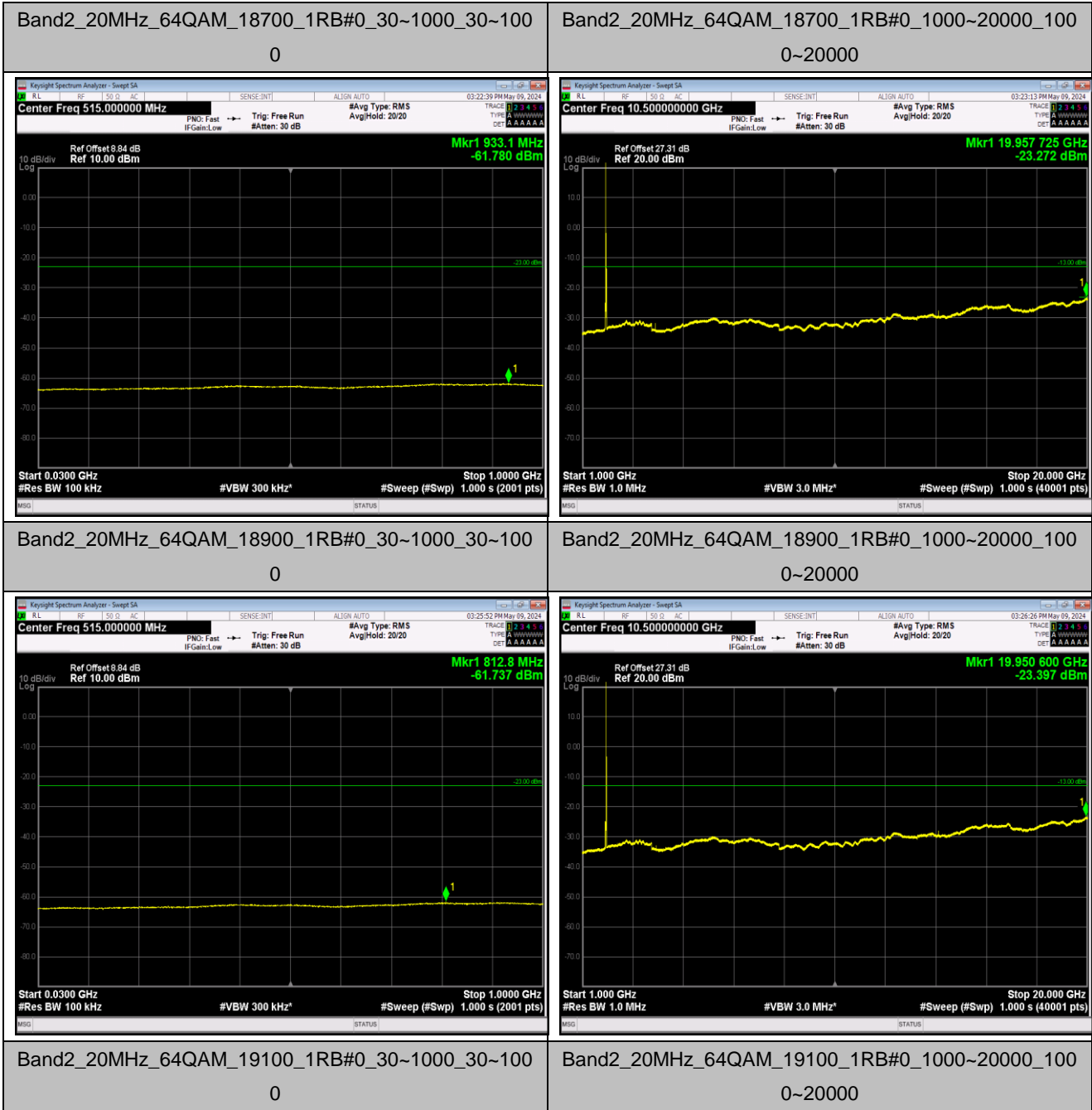
Band2_20MHz_QPSK_19100_1RB#0_1000~20000_1000~20000

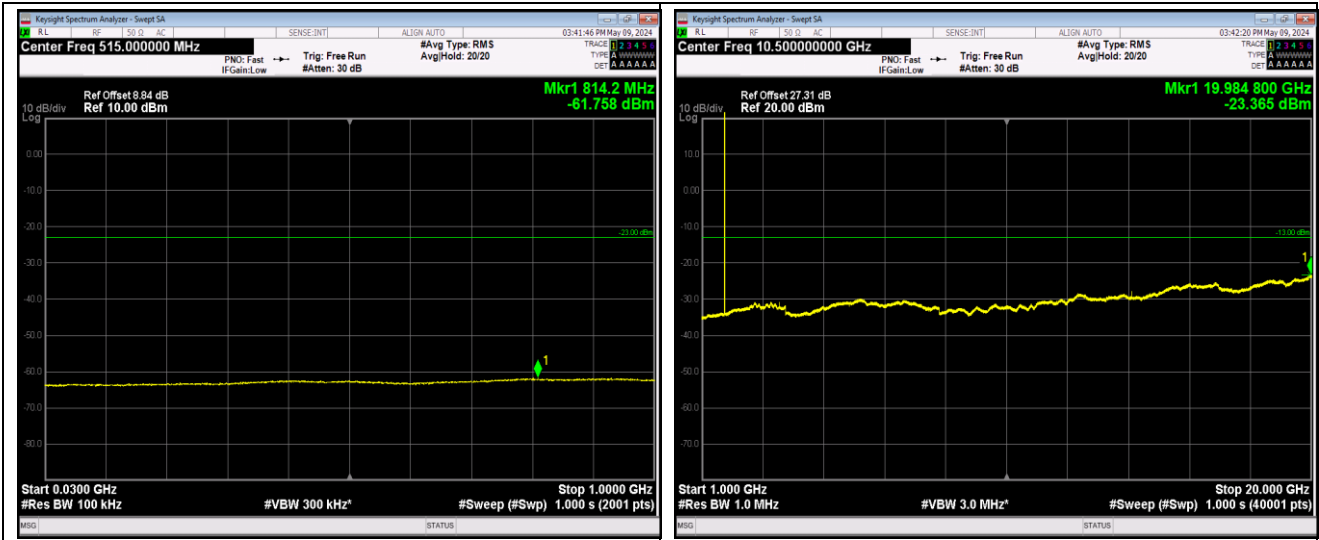


Band2_20MHz_16QAM_18700_1RB#0_30~1000_30~100

Band2_20MHz_16QAM_18700_1RB#0_1000~20000_100

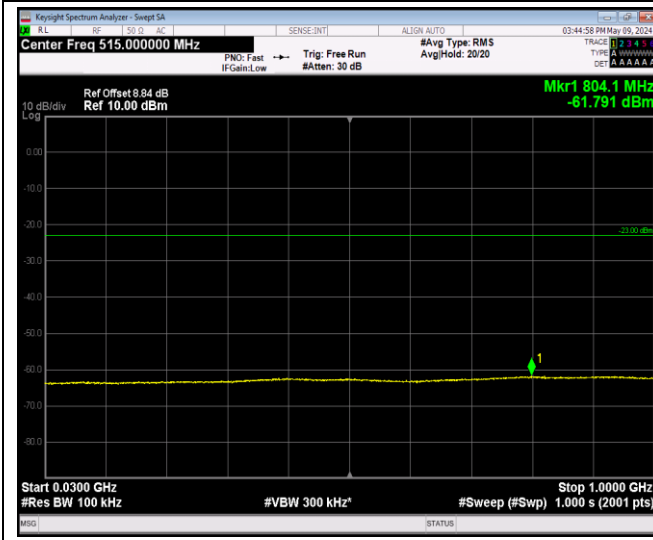




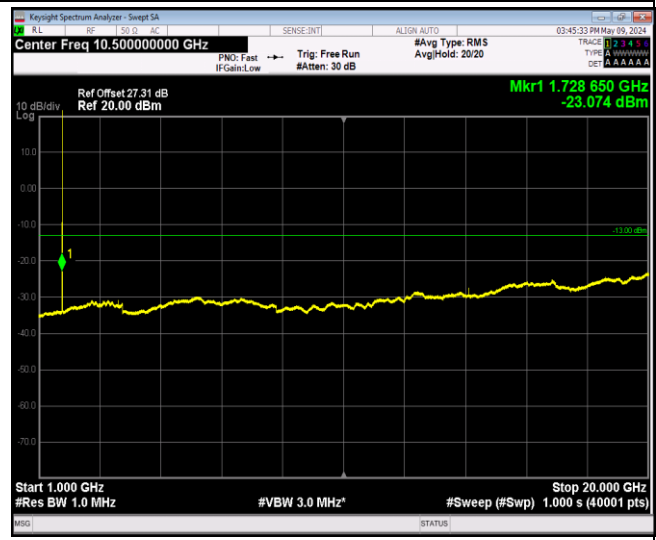


Band4_1.4MHz_QPSK_19957_1RB#0_30~1000_30~1000

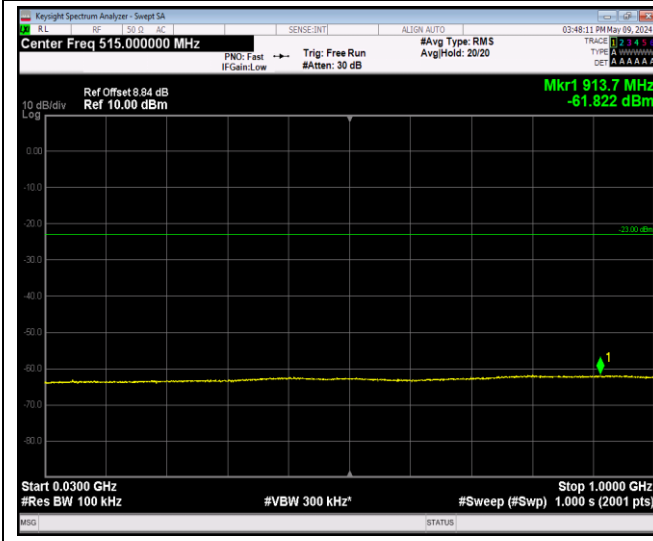
Band4_1.4MHz_QPSK_19957_1RB#0_1000~20000_1000~20000



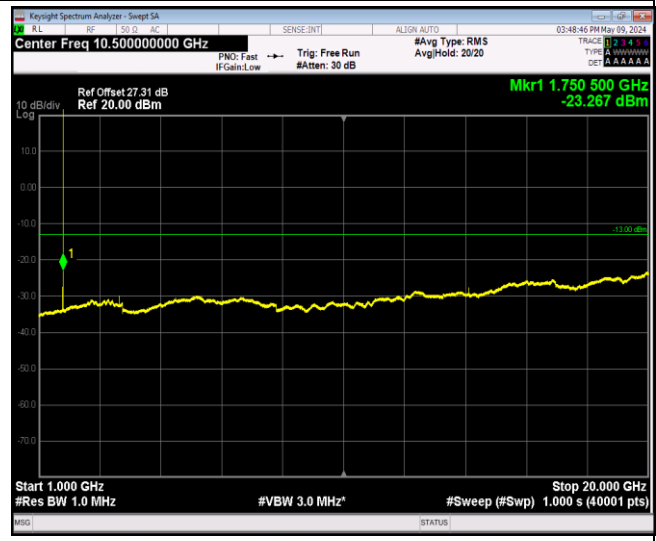
Band4_1.4MHz_QPSK_20175_1RB#0_30~1000_30~1000



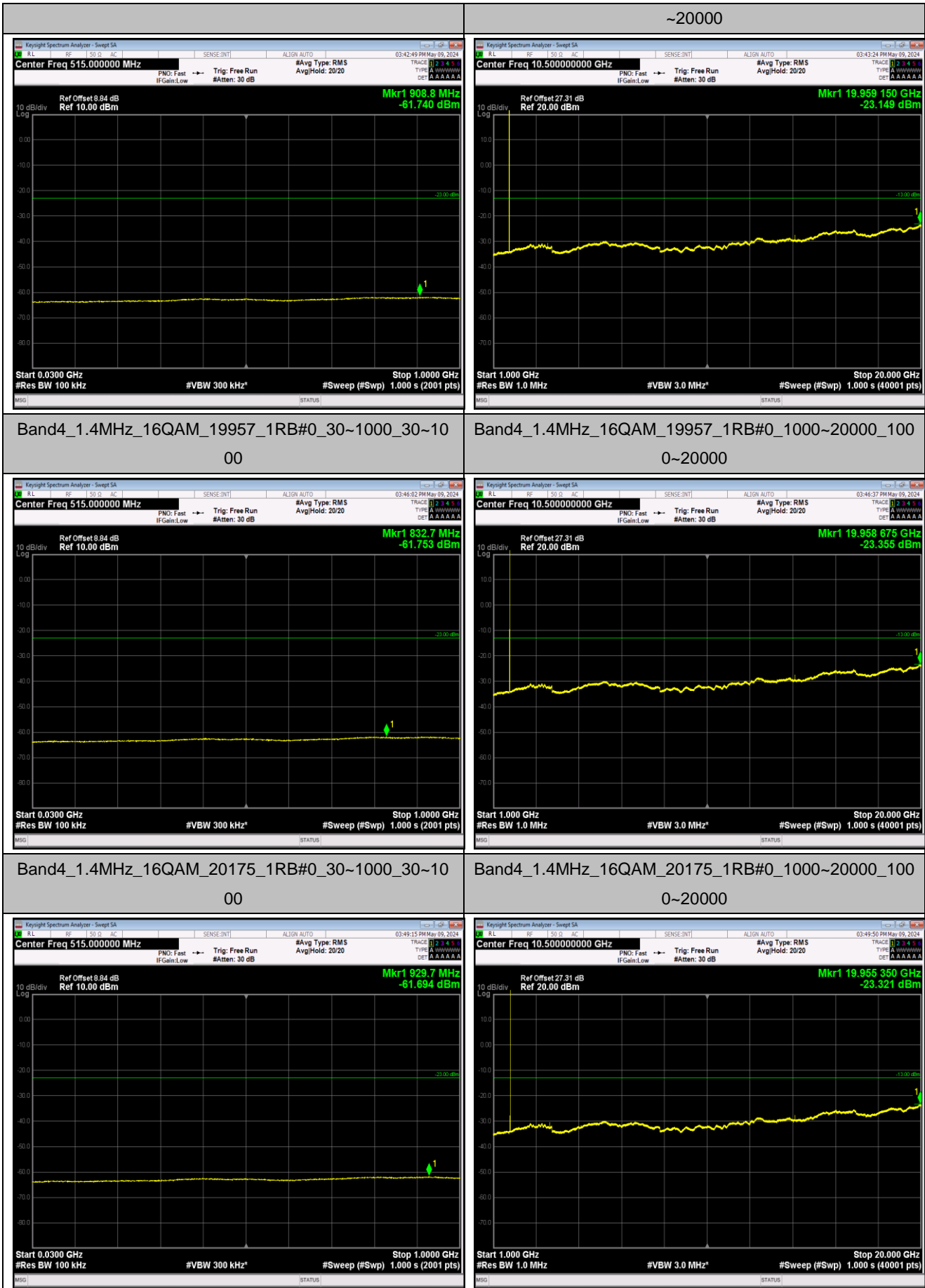
Band4_1.4MHz_QPSK_20175_1RB#0_1000~20000_1000~20000

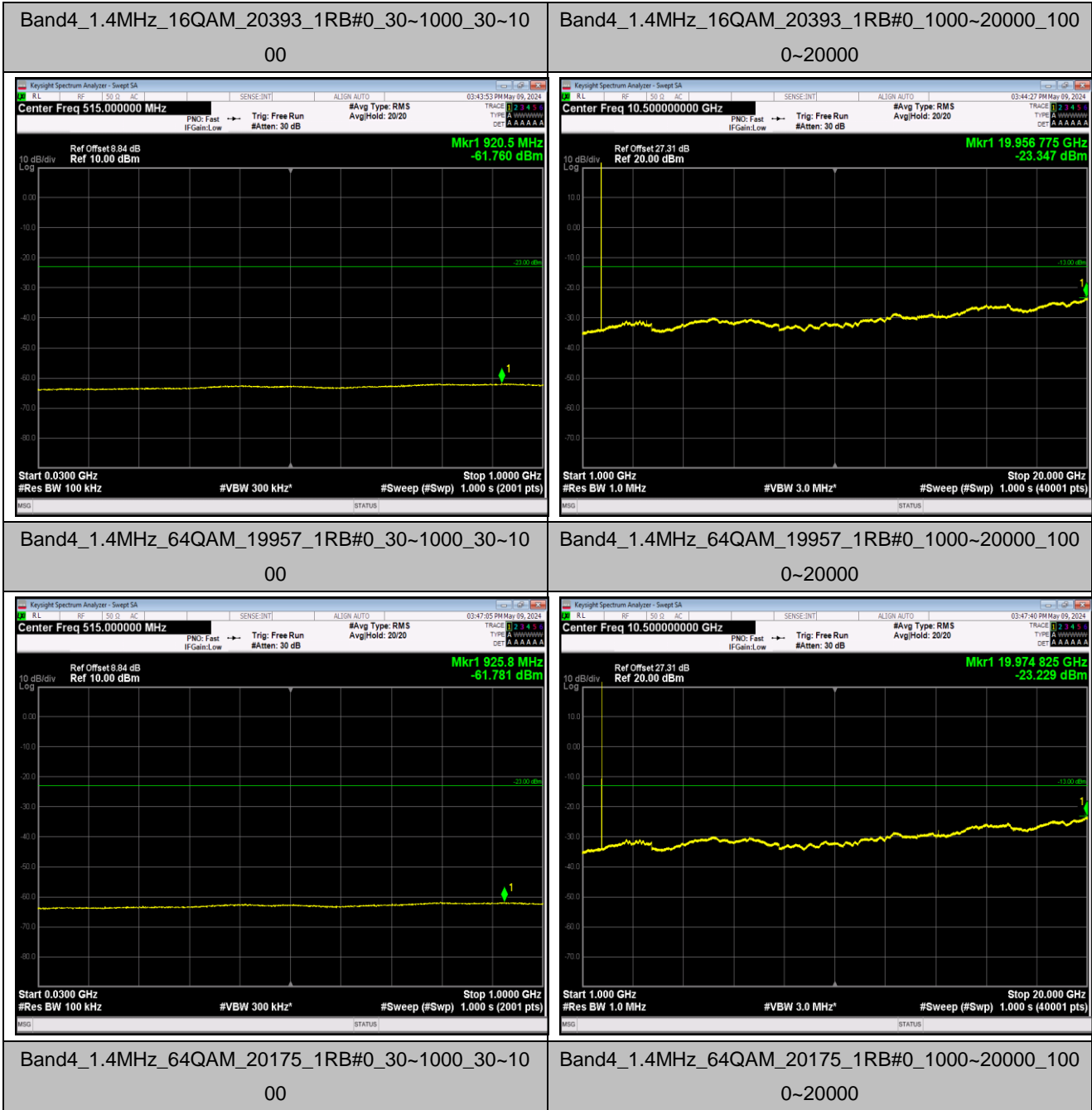


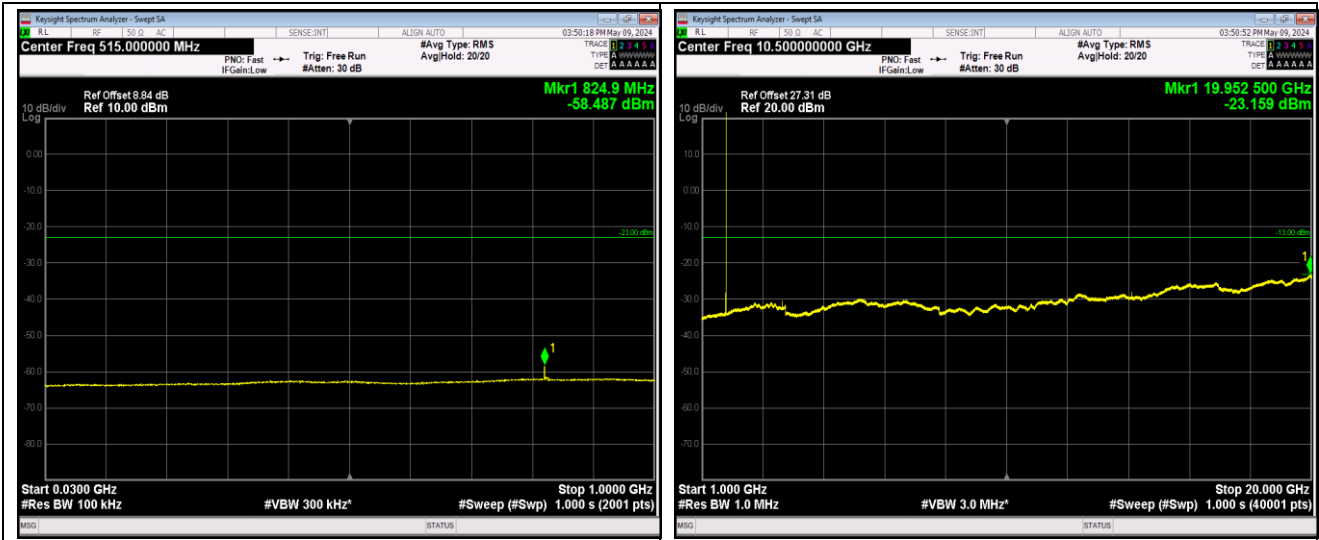
Band4_1.4MHz_QPSK_20393_1RB#0_30~1000_30~1000



Band4_1.4MHz_QPSK_20393_1RB#0_1000~20000_1000~20000

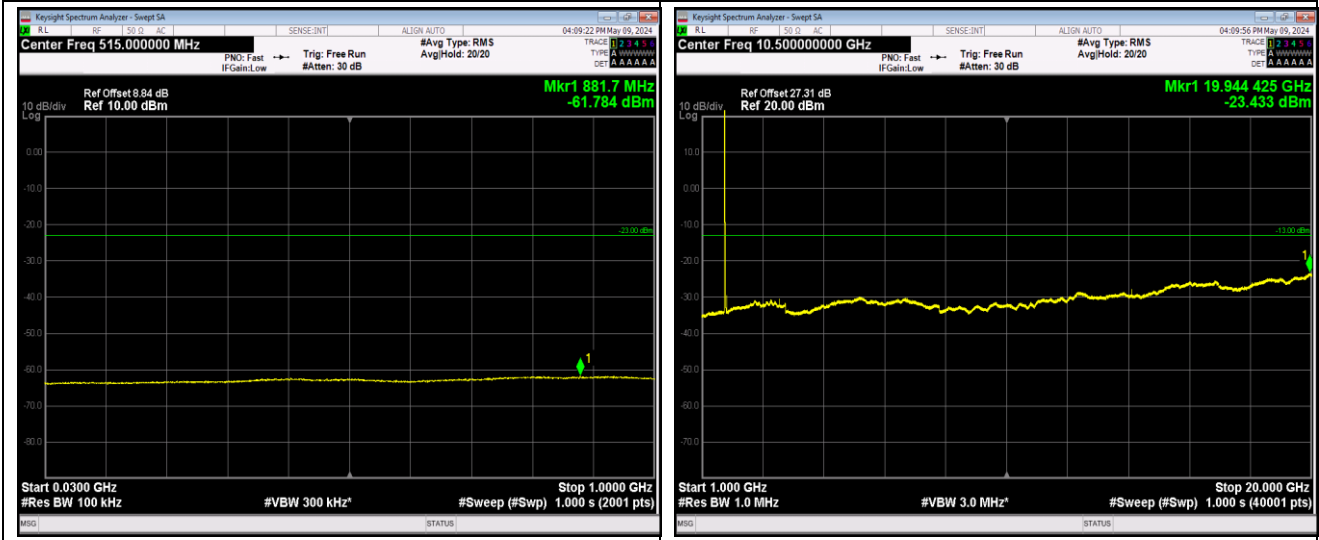






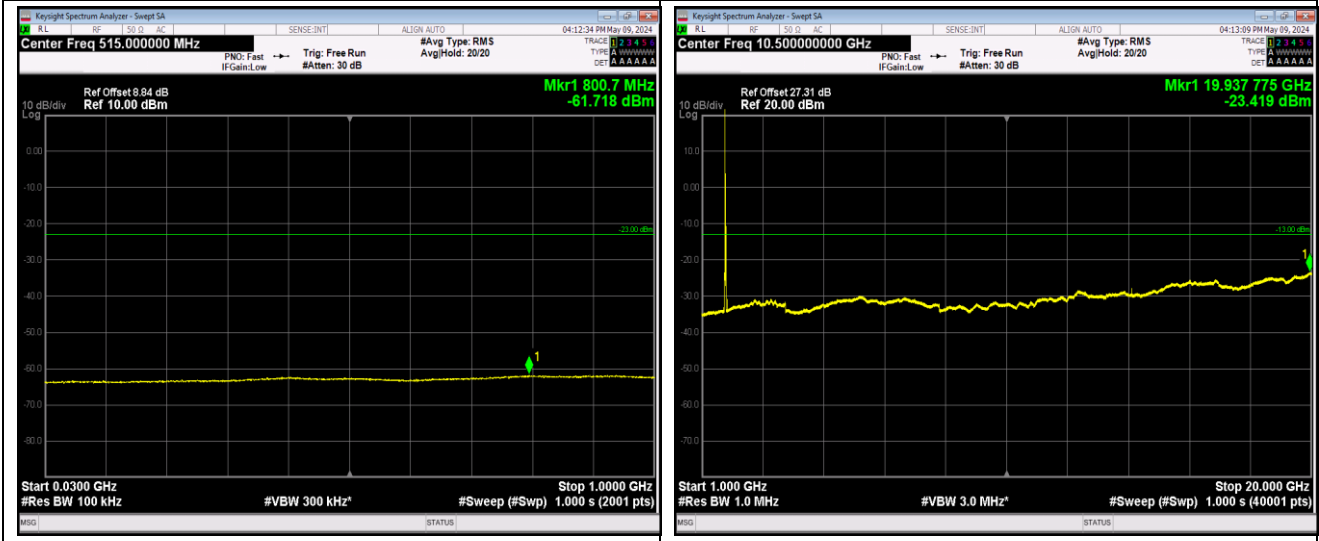
Band4_1.4MHz_64QAM_20393_1RB#0_30~1000_30~10
00

Band4_1.4MHz_64QAM_20393_1RB#0_1000~20000_100
0~20000



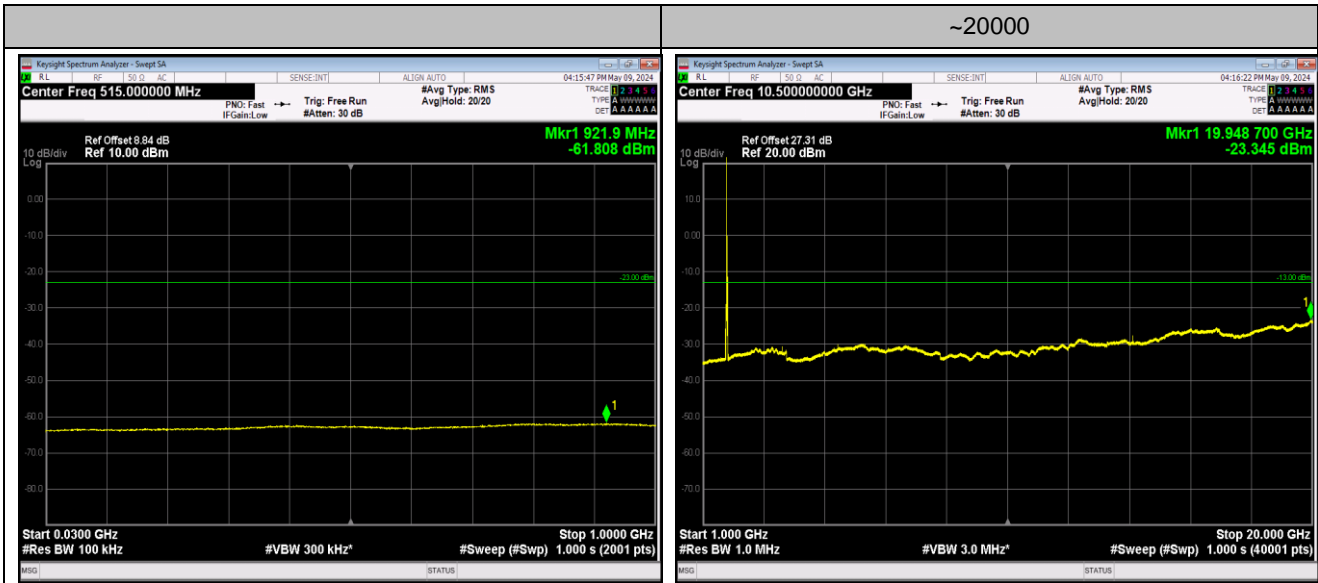
Band4_20MHz_QPSK_20050_1RB#0_30~1000_30~1000

Band4_20MHz_QPSK_20050_1RB#0_1000~20000_1000
~20000



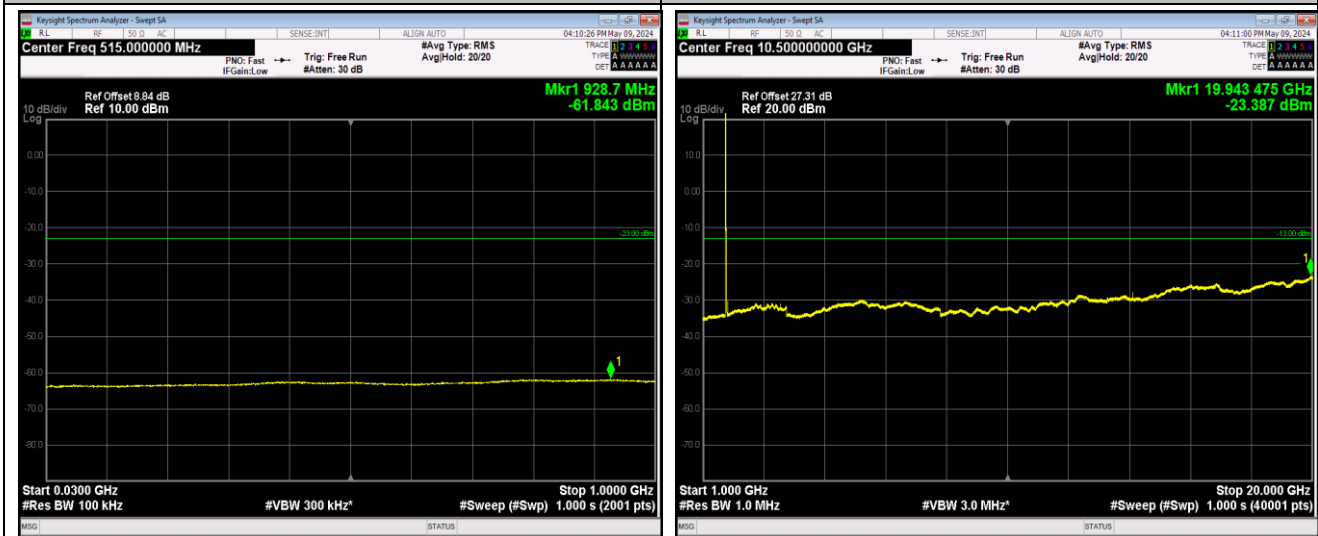
Band4_20MHz_QPSK_20175_1RB#0_30~1000_30~1000

Band4_20MHz_QPSK_20175_1RB#0_1000~20000_1000



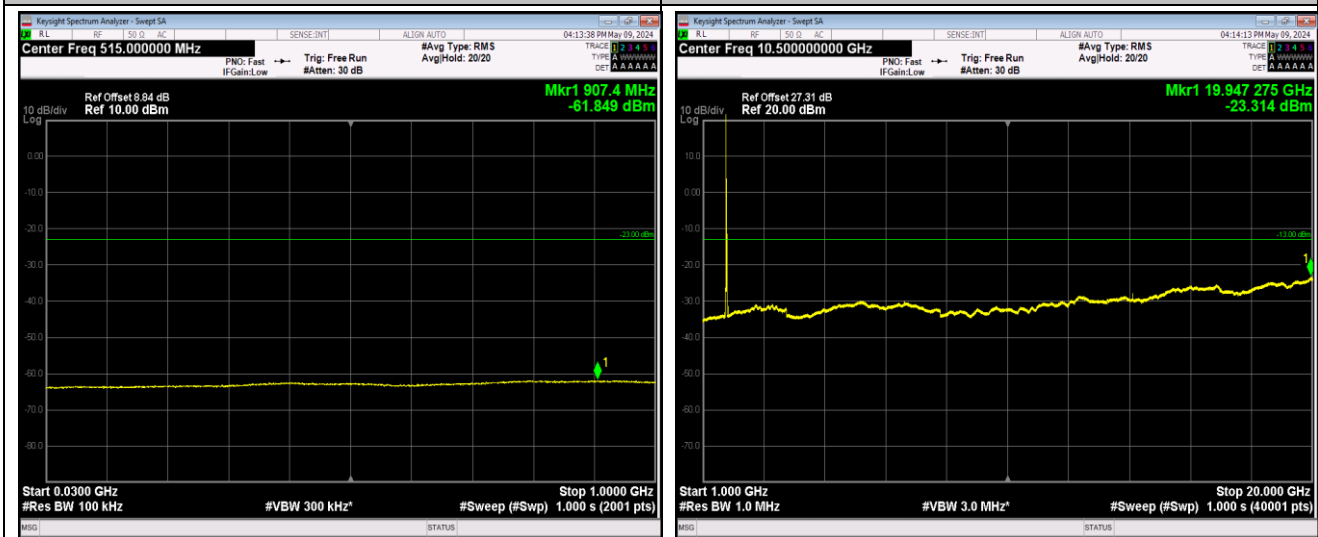
Band4_20MHz_QPSK_20300_1RB#0_30~1000_30~1000

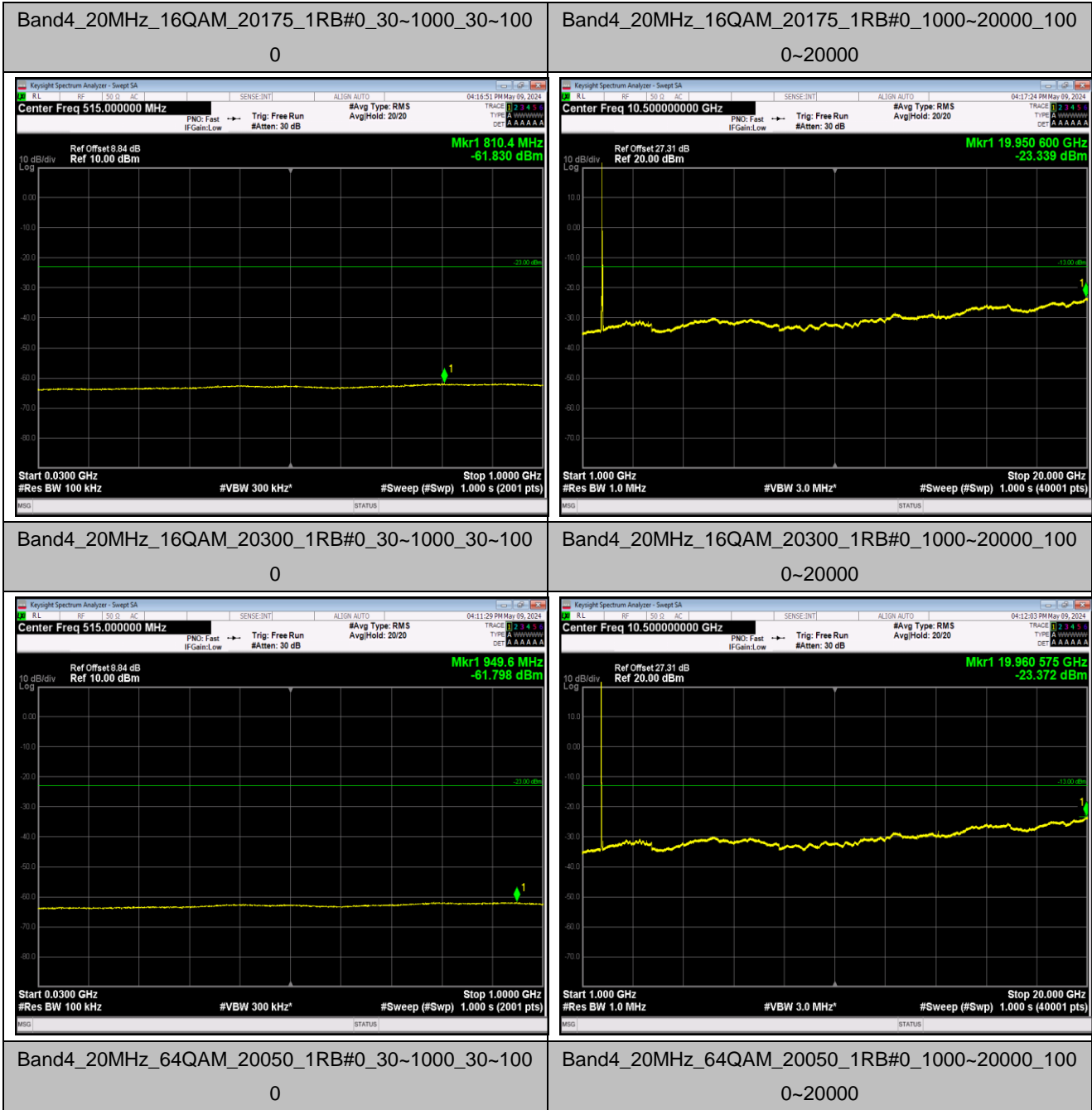
Band4_20MHz_QPSK_20300_1RB#0_1000~20000_1000

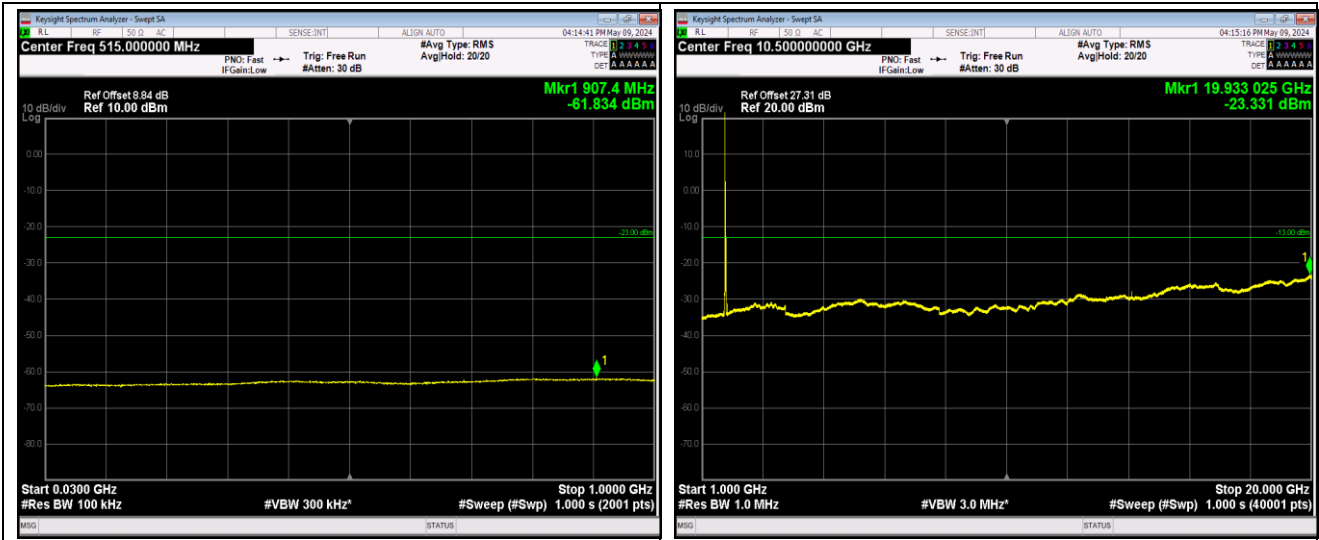


Band4_20MHz_16QAM_20050_1RB#0_30~1000_30~100

Band4_20MHz_16QAM_20050_1RB#0_1000~20000_100

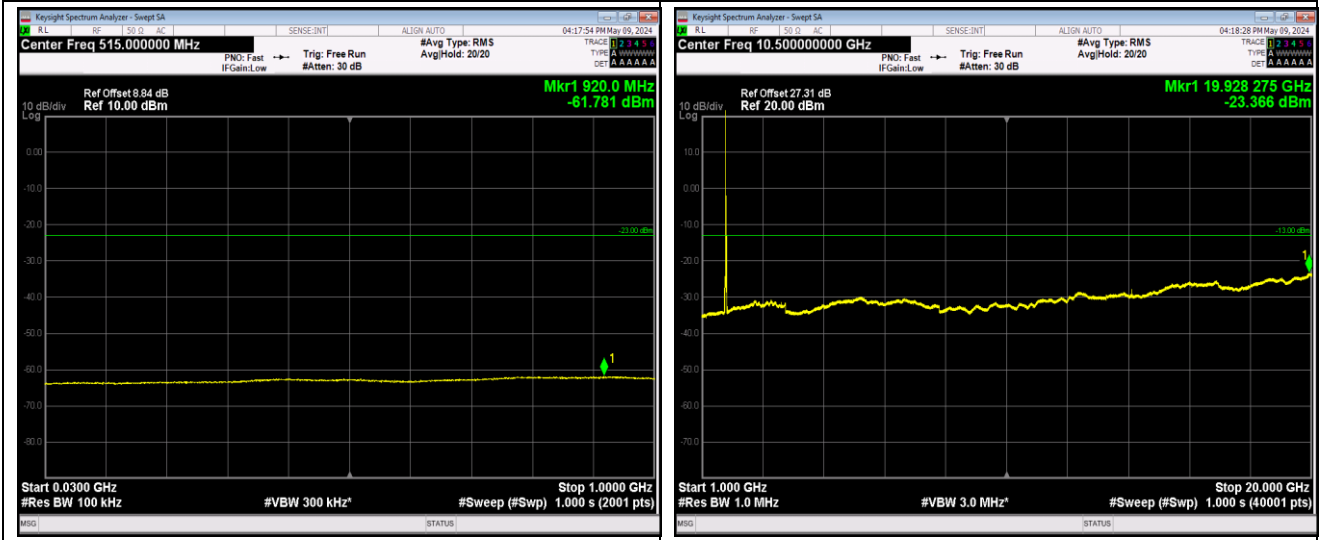






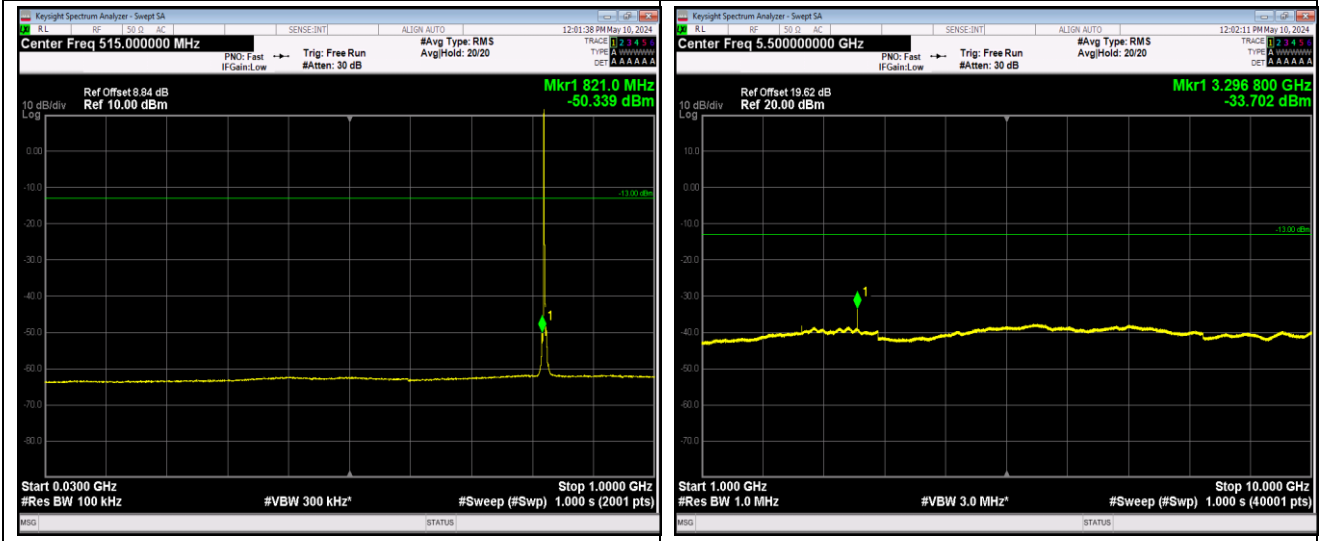
Band4_20MHz_64QAM_20175_1RB#0_30~1000_30~100
0

Band4_20MHz_64QAM_20175_1RB#0_1000~20000_100
0~20000



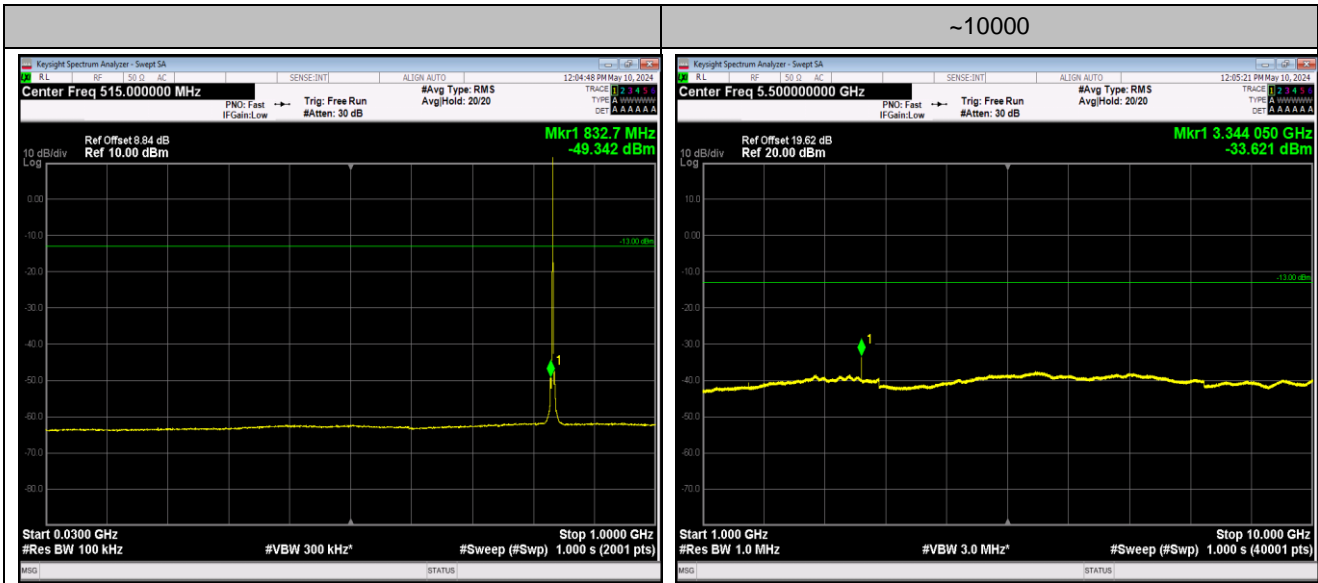
Band4_20MHz_64QAM_20300_1RB#0_30~1000_30~100
0

Band4_20MHz_64QAM_20300_1RB#0_1000~20000_100
0~20000



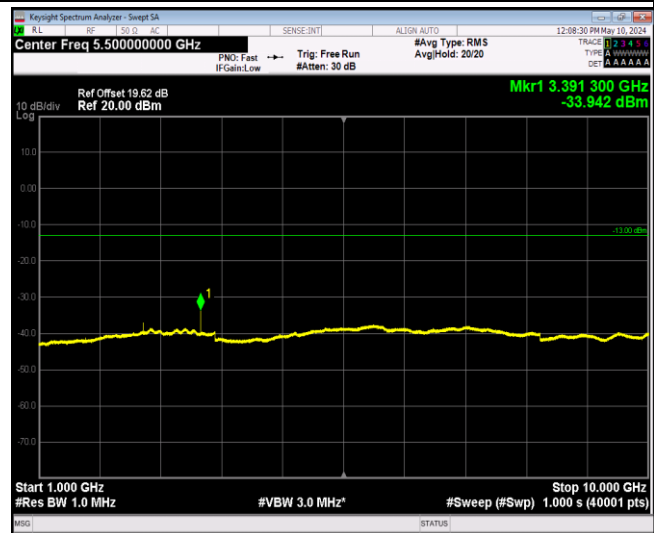
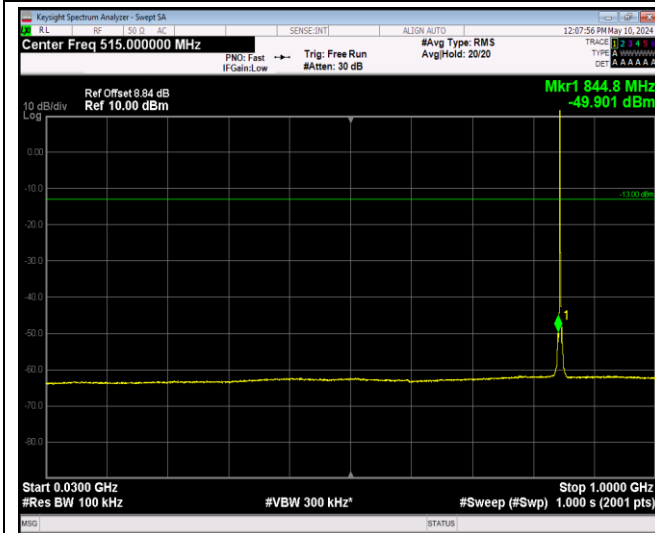
Band5_1.4MHz_QPSK_20407_1RB#0_30~1000_30~1000

Band5_1.4MHz_QPSK_20407_1RB#0_1000~10000_1000



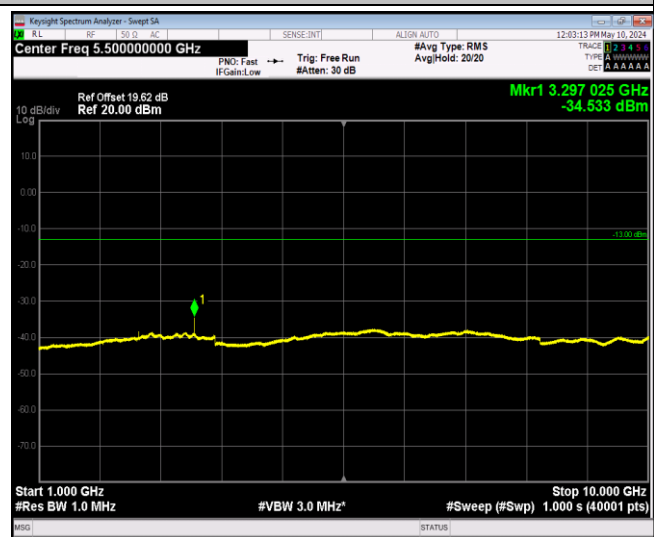
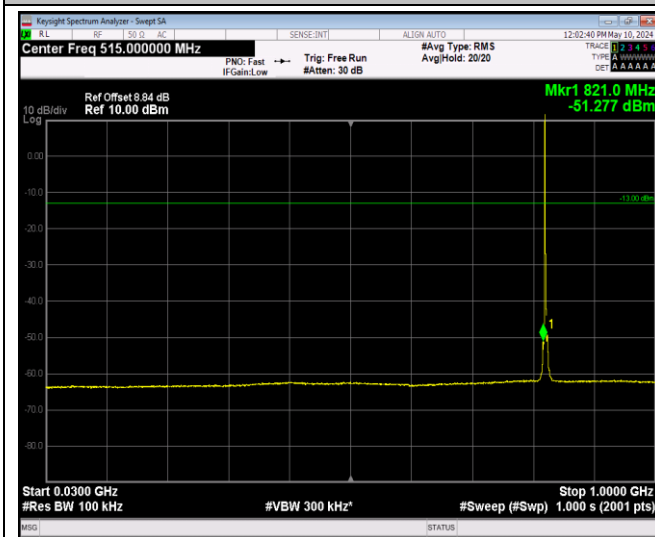
Band5_1.4MHz_QPSK_20525_1RB#0_30~1000_30~1000

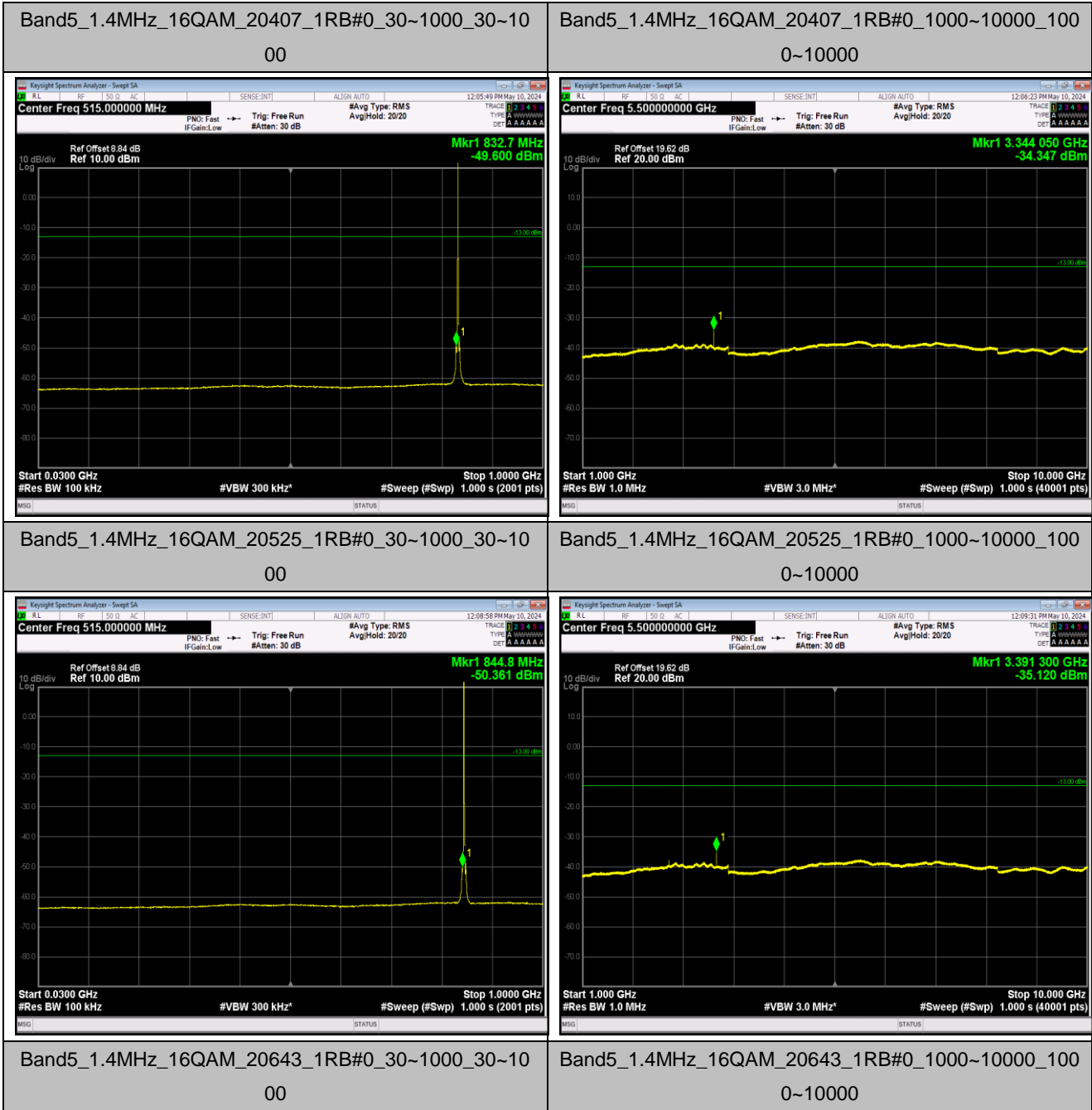
Band5_1.4MHz_QPSK_20525_1RB#0_1000~10000_1000 ~10000

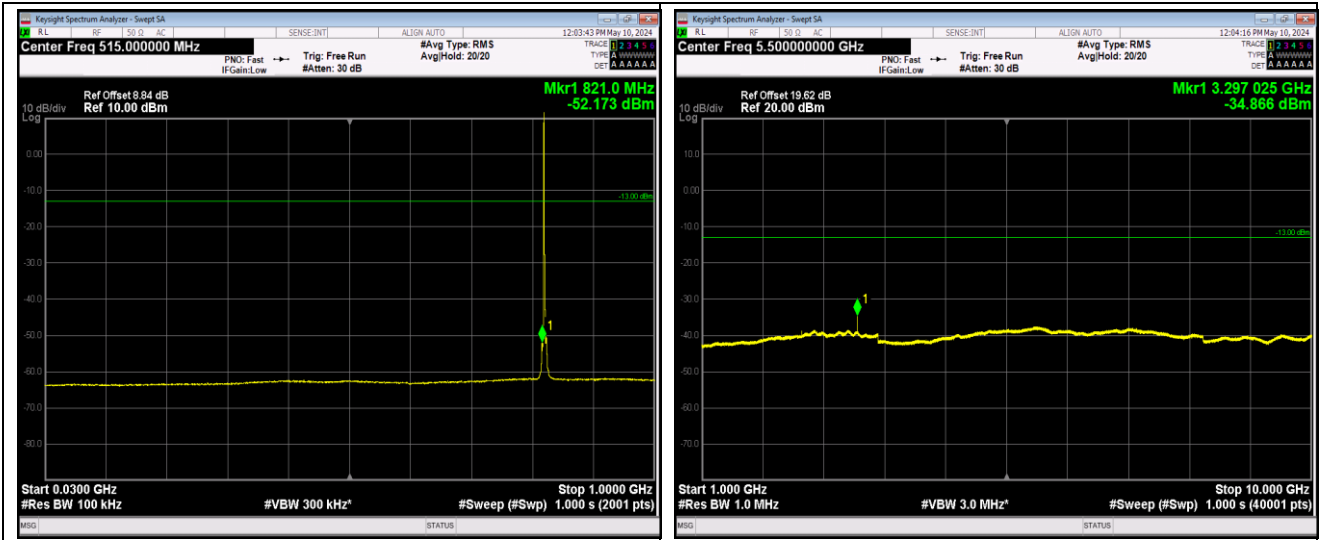


Band5_1.4MHz_QPSK_20643_1RB#0_30~1000_30~1000

Band5_1.4MHz_QPSK_20643_1RB#0_1000~10000_1000 ~10000

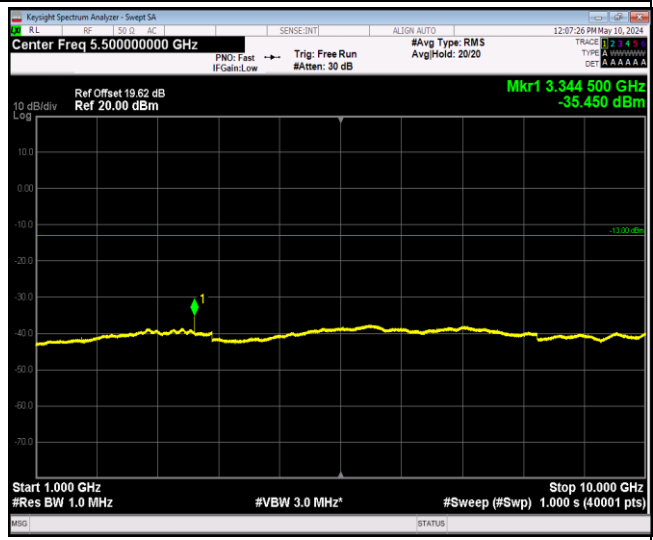
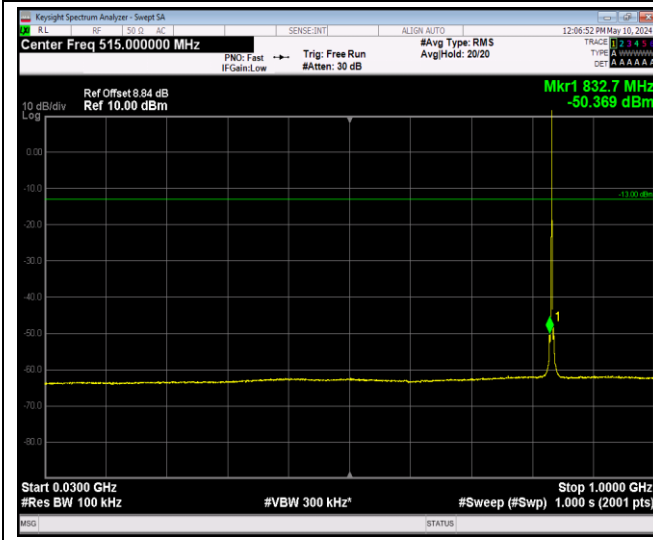






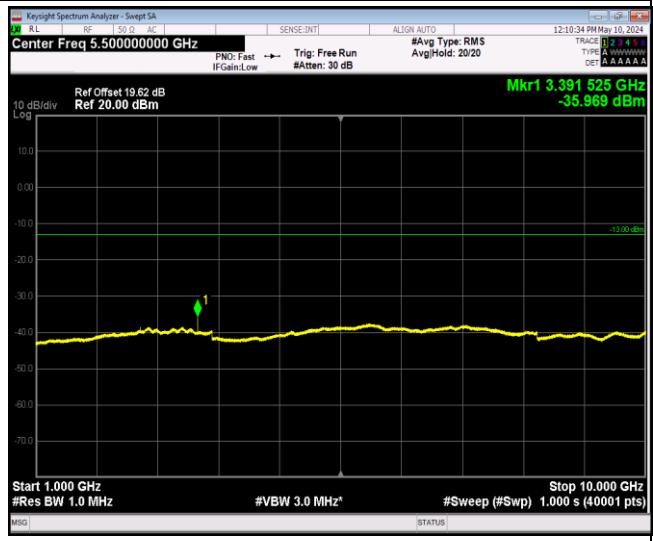
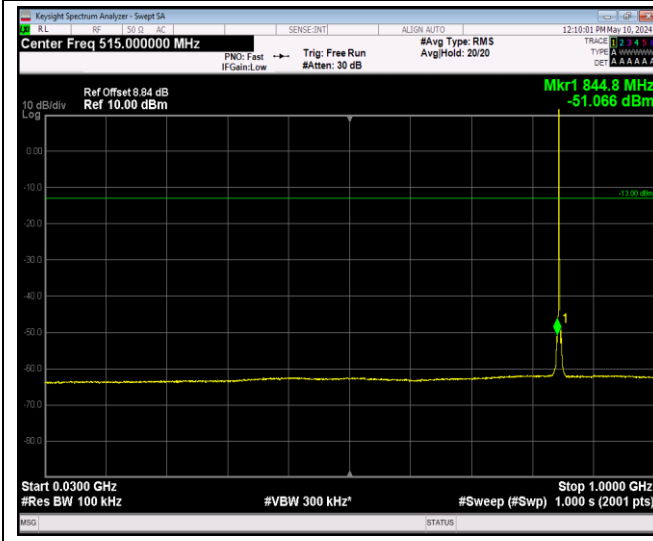
Band5_1.4MHz_64QAM_20407_1RB#0_30~1000_30~10
00

Band5_1.4MHz_64QAM_20407_1RB#0_1000~10000_100
0~10000



Band5_1.4MHz_64QAM_20525_1RB#0_30~1000_30~10
00

Band5_1.4MHz_64QAM_20525_1RB#0_1000~10000_100
0~10000



Band5_1.4MHz_64QAM_20643_1RB#0_30~1000_30~10

Band5_1.4MHz_64QAM_20643_1RB#0_1000~10000_100