Appendix M: Test Data for E-UTRA Band 38

Product Name: GNSS Receiver

Test Model: Mars

Environmental Conditions

Temperature:	23.8° C
Relative Humidity:	52.1%
ATM Pressure:	100.0 kPa
Test Engineer:	Nick Peng
Supervised by:	Ling Zhu

M.1 Conducted Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	22.51	PASS
Band38	5MHz	16QAM	37775	1RB#0	21.97	PASS
Band38	5MHz	QPSK	37775	1RB#12	22.62	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.07	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.51	PASS
Band38	5MHz	16QAM	37775	1RB#24	21.97	PASS
Band38	5MHz	QPSK	37775	12RB#0	21.58	PASS
Band38	5MHz	16QAM	37775	12RB#0	20.61	PASS
Band38	5MHz	QPSK	37775	12RB#6	21.58	PASS
Band38	5MHz	16QAM	37775	12RB#6	20.60	PASS
Band38	5MHz	QPSK	37775	12RB#13	21.61	PASS
Band38	5MHz	16QAM	37775	12RB#13	20.60	PASS
Band38	5MHz	QPSK	37775	25RB#0	21.61	PASS
Band38	5MHz	16QAM	37775	25RB#0	20.69	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.48	PASS
Band38	5MHz	16QAM	38000	1RB#0	21.86	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.60	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.98	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.47	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.82	PASS
Band38	5MHz	QPSK	38000	12RB#0	21.57	PASS
Band38	5MHz	16QAM	38000	12RB#0	20.63	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.59	PASS
Band38	5MHz	16QAM	38000	12RB#6	20.66	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.59	PASS
Band38	5MHz	16QAM	38000	12RB#13	20.69	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.65	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.69	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.46	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.87	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.55	PASS
Band38	5MHz	16QAM	38225	1RB#12	22.00	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.52	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.92	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.53	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.55	PASS

Band38	5MHz	QPSK	38225	12RB#6	21.53	PASS
Band38	5MHz	16QAM	38225	12RB#6	20.54	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.56	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.57	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.59	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.64	PASS
Band38	10MHz	QPSK	37800	1RB#0	22.58	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.01	PASS
Band38	10MHz	QPSK	37800	1RB#24	22.63	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.07	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.62	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.05	PASS
Band38	10MHz	QPSK	37800	25RB#0	21.65	PASS
Band38	10MHz	16QAM	37800	25RB#0	20.76	PASS
Band38	10MHz	QPSK	37800	25RB#12	21.59	PASS
Band38	10MHz	16QAM	37800	25RB#12	20.77	PASS
Band38	10MHz	QPSK	37800	25RB#25	21.67	PASS
Band38	10MHz	16QAM	37800	25RB#25	20.78	PASS
Band38	10MHz	QPSK	37800	50RB#0	21.66	PASS
Band38	10MHz	16QAM	37800	50RB#0	20.68	PASS
Band38	10MHz	QPSK	38000	1RB#0	22.63	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.60	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.70	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.69	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.58	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.60	PASS
Band38	10MHz	QPSK	38000	25RB#0	21.66	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.68	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.63	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.67	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.66	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.67	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.69	PASS
Band38	10MHz	16QAM	38000	50RB#0	20.70	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.50	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.91	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.58	PASS
Band38	10MHz	16QAM	38200	1RB#24	22.01	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.57	PASS
Band38	10MHz	16QAM	38200	1RB#49	22.01	PASS

Band38	10MHz	QPSK	38200	25RB#0	21.52	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.66	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.53	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.65	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.63	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.77	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.60	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.67	PASS
Band38	15MHz	QPSK	37825	1RB#0	22.53	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.99	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.65	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.11	PASS
Band38	15MHz	QPSK	37825	1RB#74	22.60	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.06	PASS
Band38	15MHz	QPSK	37825	38RB#0	21.63	PASS
Band38	15MHz	16QAM	37825	38RB#0	21.61	PASS
Band38	15MHz	QPSK	37825	38RB#18	21.63	PASS
Band38	15MHz	16QAM	37825	38RB#18	21.64	PASS
Band38	15MHz	QPSK	37825	38RB#37	21.63	PASS
Band38	15MHz	16QAM	37825	38RB#37	21.60	PASS
Band38	15MHz	QPSK	37825	75RB#0	21.63	PASS
Band38	15MHz	16QAM	37825	75RB#0	20.65	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.62	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.77	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.72	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.83	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.56	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.65	PASS
Band38	15MHz	QPSK	38000	38RB#0	21.62	PASS
Band38	15MHz	16QAM	38000	38RB#0	21.62	PASS
Band38	15MHz	QPSK	38000	38RB#18	21.61	PASS
Band38	15MHz	16QAM	38000	38RB#18	21.61	PASS
Band38	15MHz	QPSK	38000	38RB#37	21.63	PASS
Band38	15MHz	16QAM	38000	38RB#37	21.62	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.62	PASS
Band38	15MHz	16QAM	38000	75RB#0	20.65	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.44	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.89	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.58	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.99	PASS

Band38	15MHz	QPSK	38175	1RB#74	22.52	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.96	PASS
Band38	15MHz	QPSK	38175	38RB#0	21.54	PASS
Band38	15MHz	16QAM	38175	38RB#0	21.57	PASS
Band38	15MHz	QPSK	38175	38RB#18	21.57	PASS
Band38	15MHz	16QAM	38175	38RB#18	21.55	PASS
Band38	15MHz	QPSK	38175	38RB#37	21.57	PASS
Band38	15MHz	16QAM	38175	38RB#37	21.54	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.54	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.58	PASS
Band38	20MHz	QPSK	37850	1RB#0	22.45	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.74	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.71	PASS
Band38	20MHz	16QAM	37850	1RB#49	21.99	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.54	PASS
Band38	20MHz	16QAM	37850	1RB#99	21.87	PASS
Band38	20MHz	QPSK	37850	50RB#0	21.56	PASS
Band38	20MHz	16QAM	37850	50RB#0	20.65	PASS
Band38	20MHz	QPSK	37850	50RB#25	21.57	PASS
Band38	20MHz	16QAM	37850	50RB#25	20.62	PASS
Band38	20MHz	QPSK	37850	50RB#50	21.72	PASS
Band38	20MHz	16QAM	37850	50RB#50	20.77	PASS
Band38	20MHz	QPSK	37850	100RB#0	21.63	PASS
Band38	20MHz	16QAM	37850	100RB#0	20.65	PASS
Band38	20MHz	QPSK	38000	1RB#0	22.57	PASS
Band38	20MHz	16QAM	38000	1RB#0	21.28	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.72	PASS
Band38	20MHz	16QAM	38000	1RB#49	21.43	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.48	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.22	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.61	PASS
Band38	20MHz	16QAM	38000	50RB#0	20.67	PASS
Band38	20MHz	QPSK	38000	50RB#25	21.64	PASS
Band38	20MHz	16QAM	38000	50RB#25	20.68	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.66	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.72	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.62	PASS
Band38	20MHz	16QAM	38000	100RB#0	20.67	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.41	PASS
Band38	20MHz	16QAM	38150	1RB#0	21.65	PASS

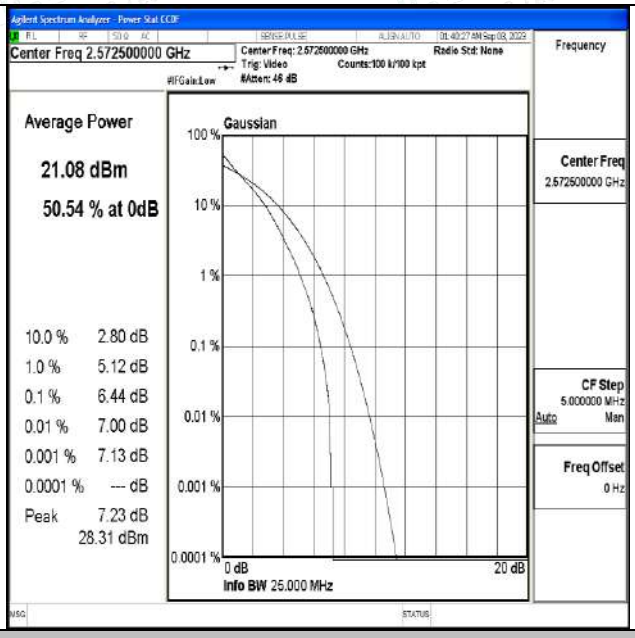
Band38	20MHz	QPSK	38150	1RB#49	22.59	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.87	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.45	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.69	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.46	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.50	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.48	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.52	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.60	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.65	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.51	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.56	PASS

M.2 Peak-to-Average Ratio(CCDF)

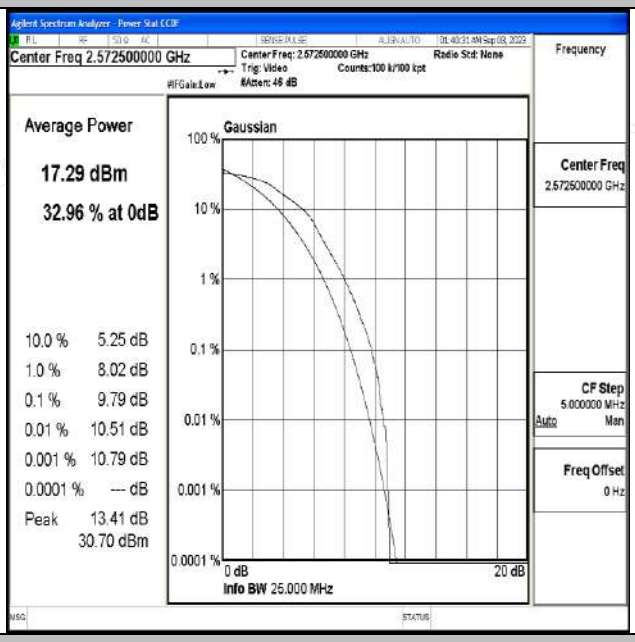
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	6.44	13	PASS
Band38	5MHz	16QAM	37775	25RB#0	9.79	13	PASS
Band38	5MHz	QPSK	38000	25RB#0	8.67	13	PASS
Band38	5MHz	16QAM	38000	25RB#0	9.77	13	PASS
Band38	5MHz	QPSK	38225	25RB#0	10.59	13	PASS
Band38	5MHz	16QAM	38225	25RB#0	10.50	13	PASS
Band38	10MHz	QPSK	37800	50RB#0	10.29	13	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.72	13	PASS
Band38	10MHz	QPSK	38000	50RB#0	7.72	13	PASS
Band38	10MHz	16QAM	38000	50RB#0	10.50	13	PASS
Band38	10MHz	QPSK	38200	50RB#0	10.01	13	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.49	13	PASS
Band38	15MHz	QPSK	37825	75RB#0	9.09	13	PASS
Band38	15MHz	16QAM	37825	75RB#0	11.29	13	PASS
Band38	15MHz	QPSK	38175	75RB#0	8.57	13	PASS
Band38	15MHz	16QAM	38175	75RB#0	10.47	13	PASS
Band38	20MHz	QPSK	37850	100RB#0	6.79	13	PASS
Band38	15MHz	QPSK	38000	75RB#0	10.47	13	PASS
Band38	15MHz	16QAM	38000	75RB#0	10.25	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.27	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	7.48	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	9.94	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	11.16	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.49	13	PASS

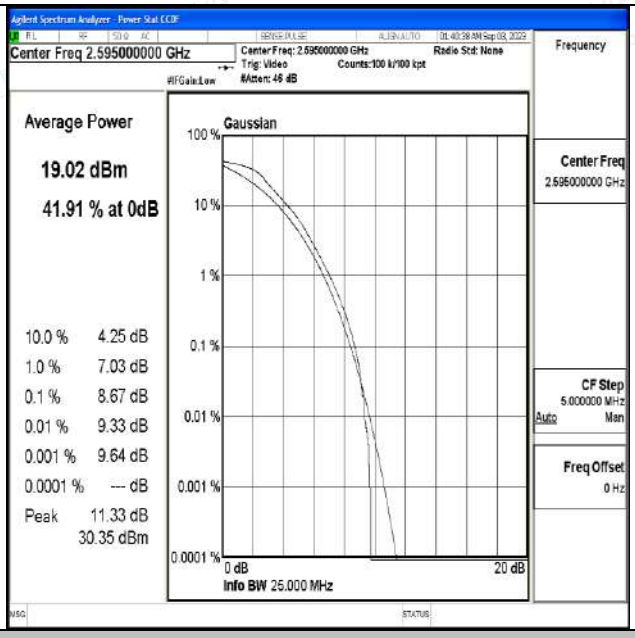
Test Graphs



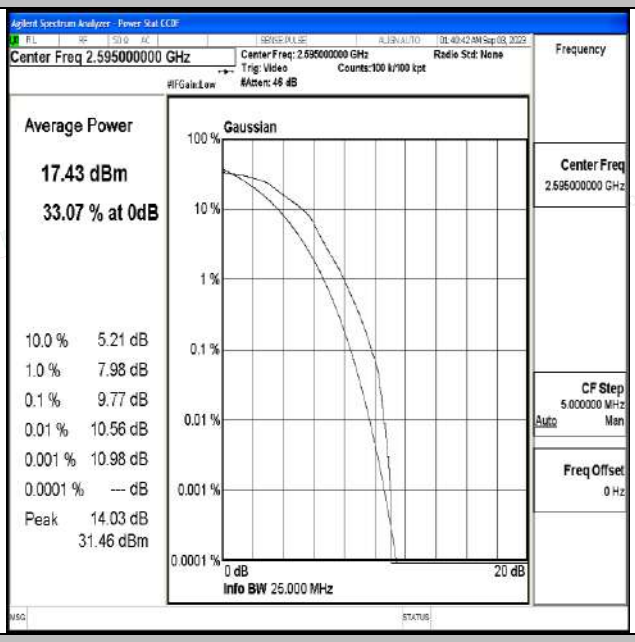
5MHz-37775



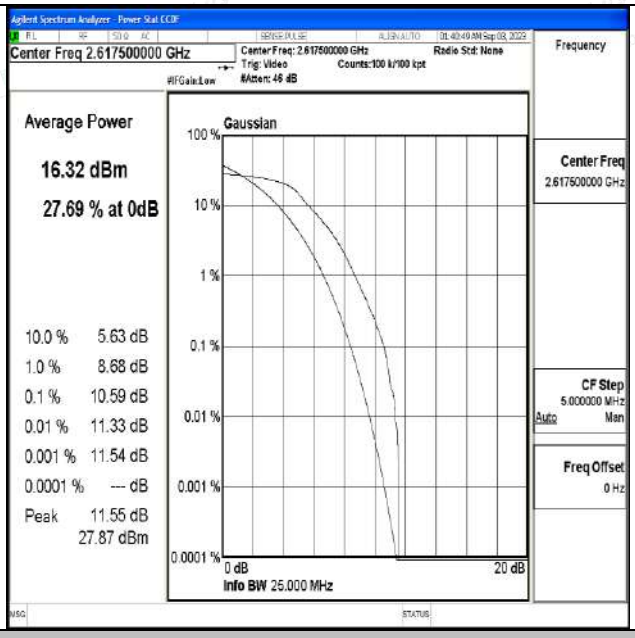
5MHz-37775



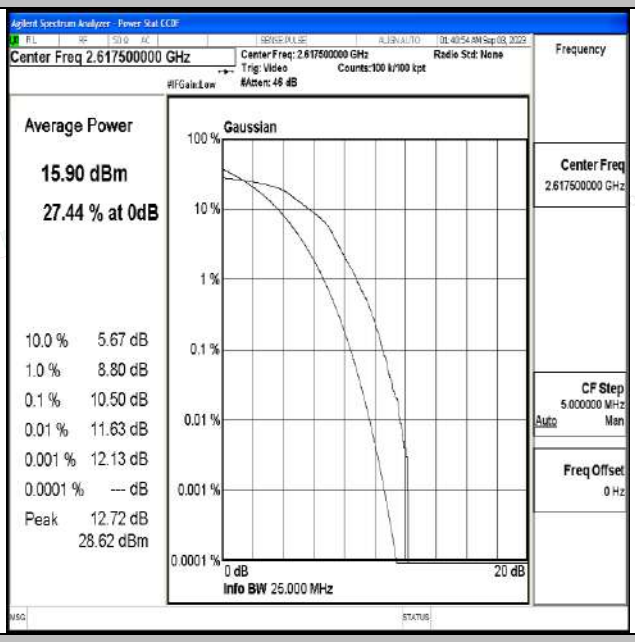
5MHz-38000



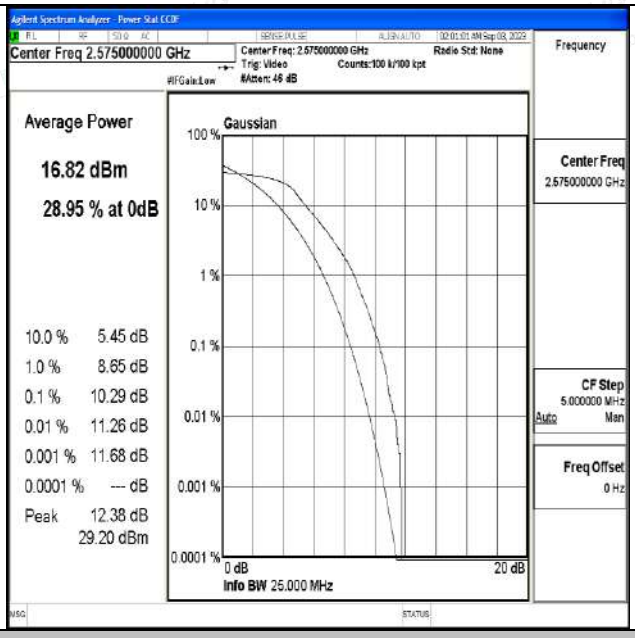
5MHz-38000



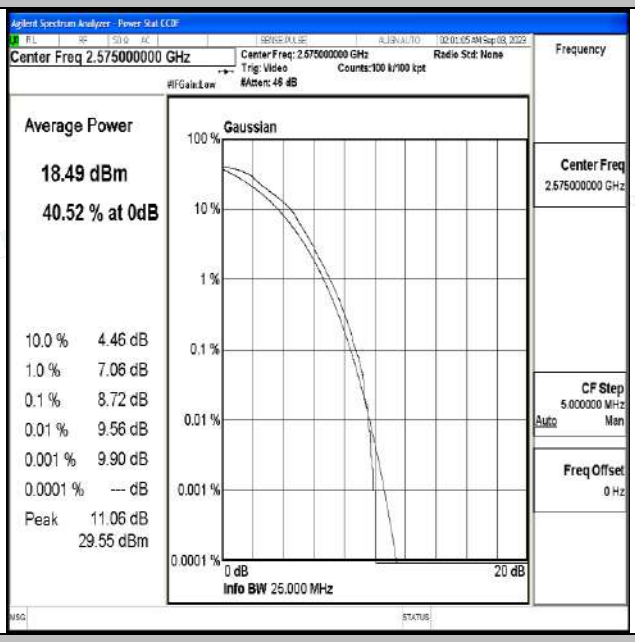
5MHz-38225



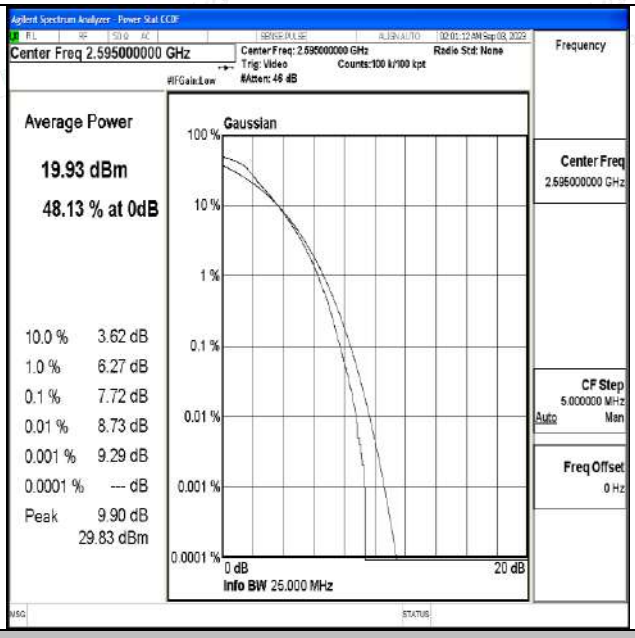
5MHz-38225



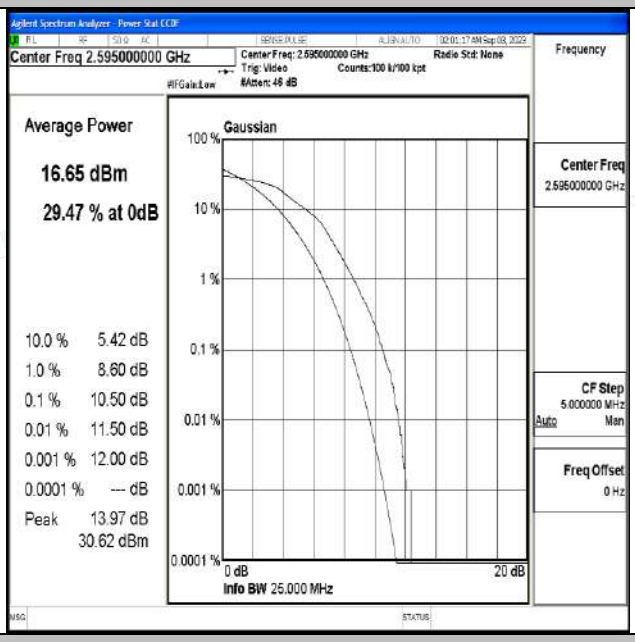
10MHz-37800



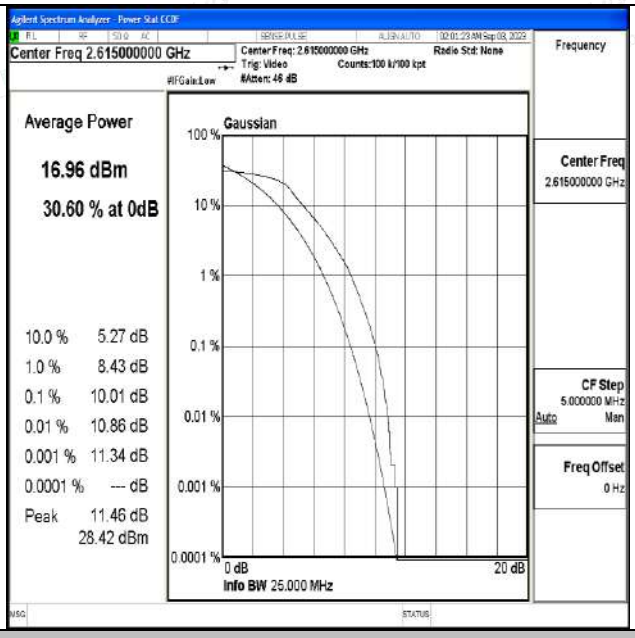
10MHz-37800



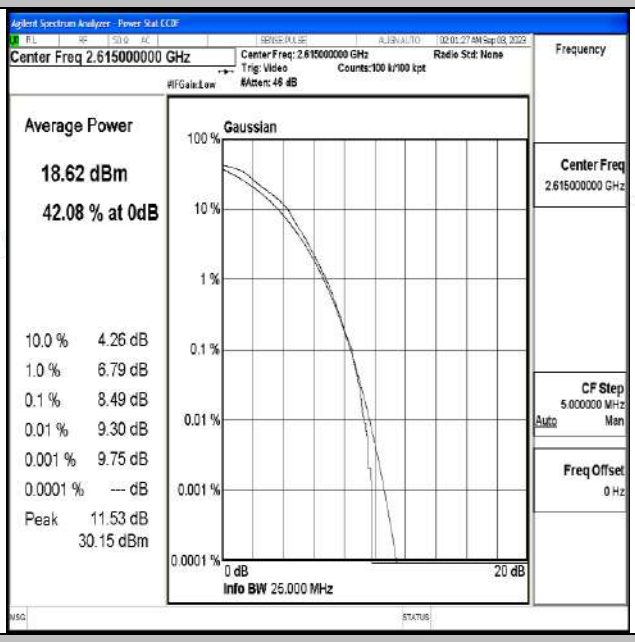
10MHz-38000



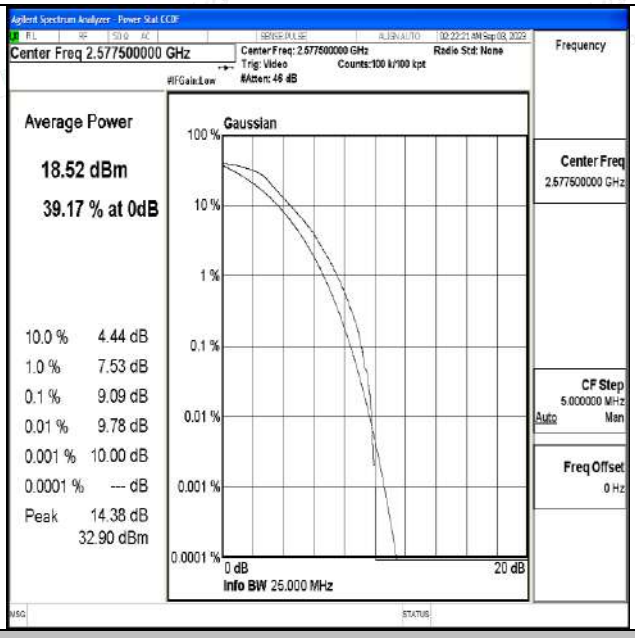
10MHz-38000



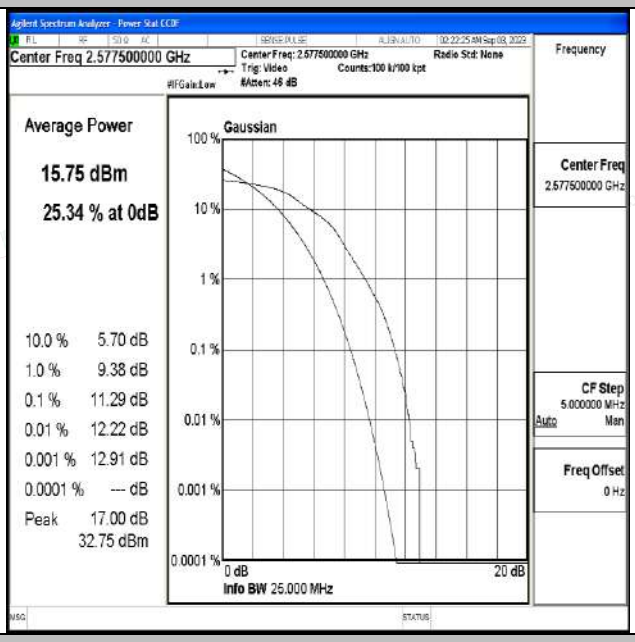
10MHz-38200



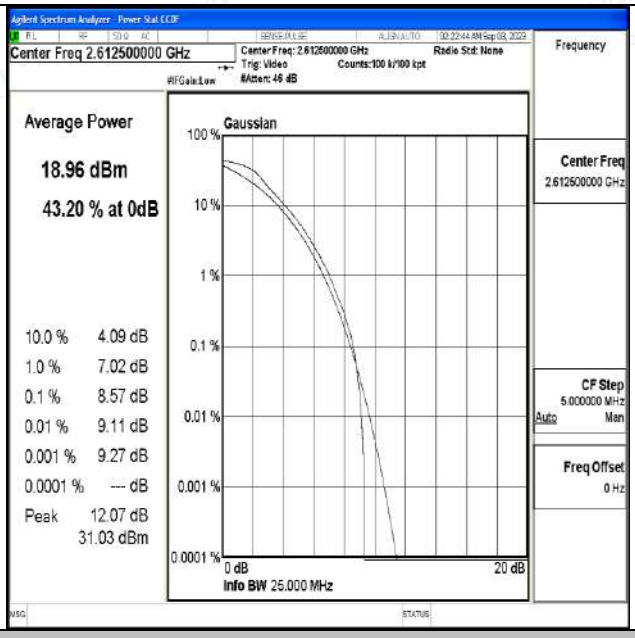
10MHz-38200



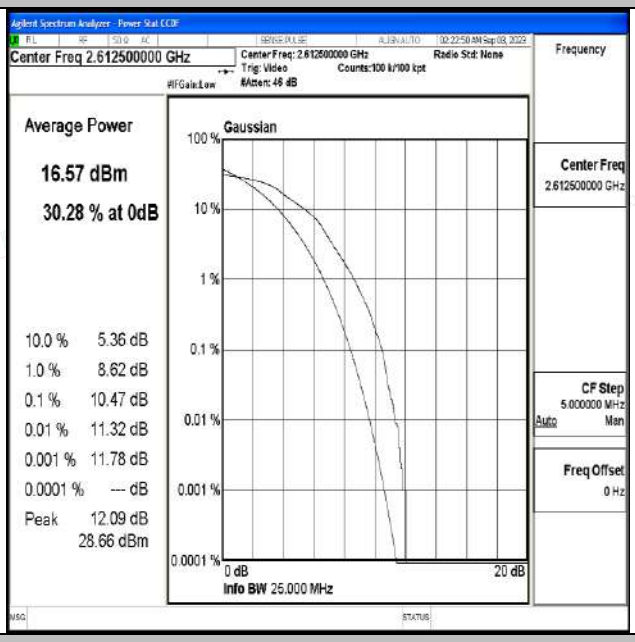
15MHz-37825



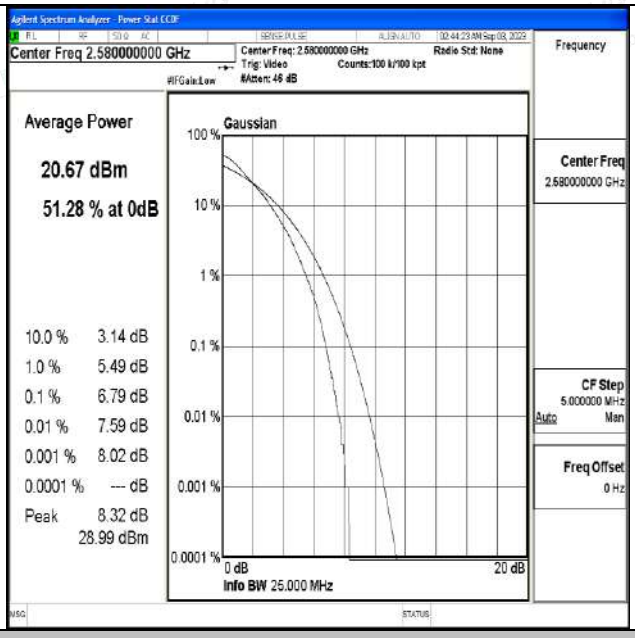
15MHz-37825



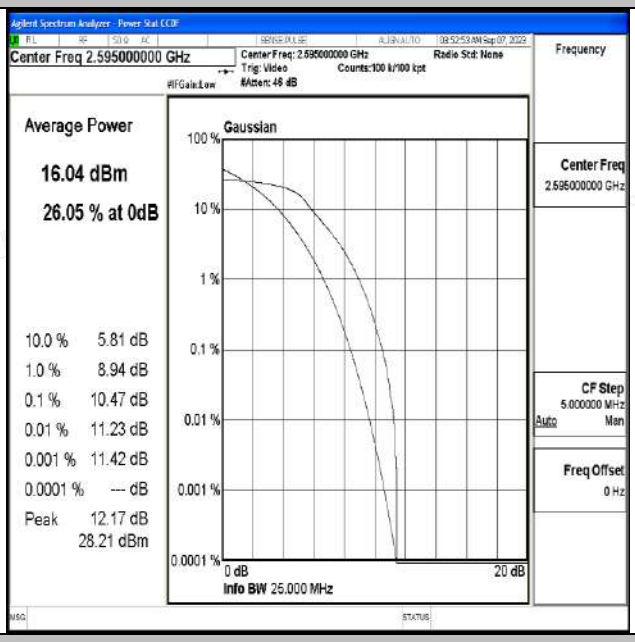
15MHz-38175



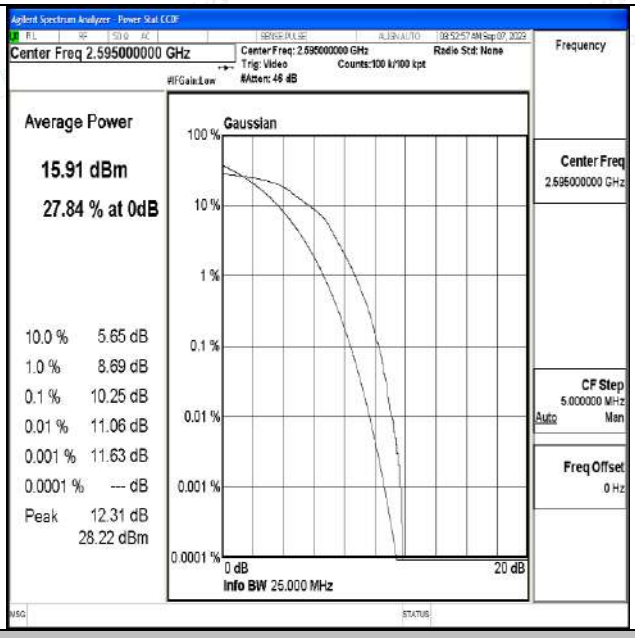
15MHz-38175



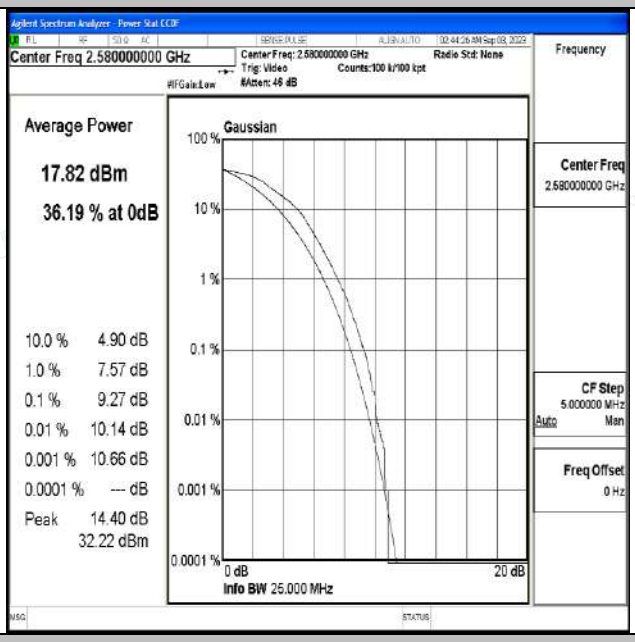
20MHz-37850



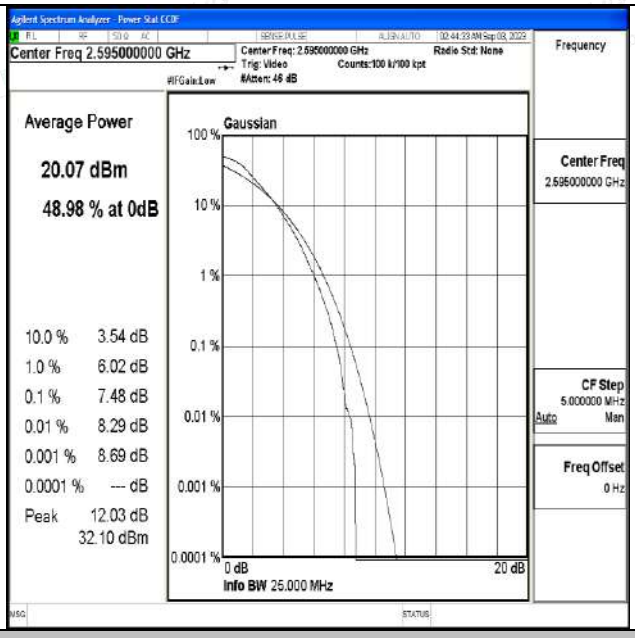
15MHz-38000



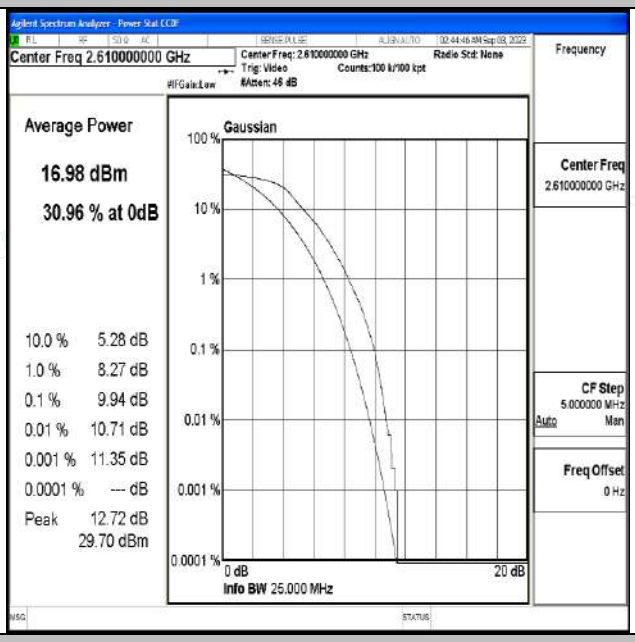
15MHz-38000



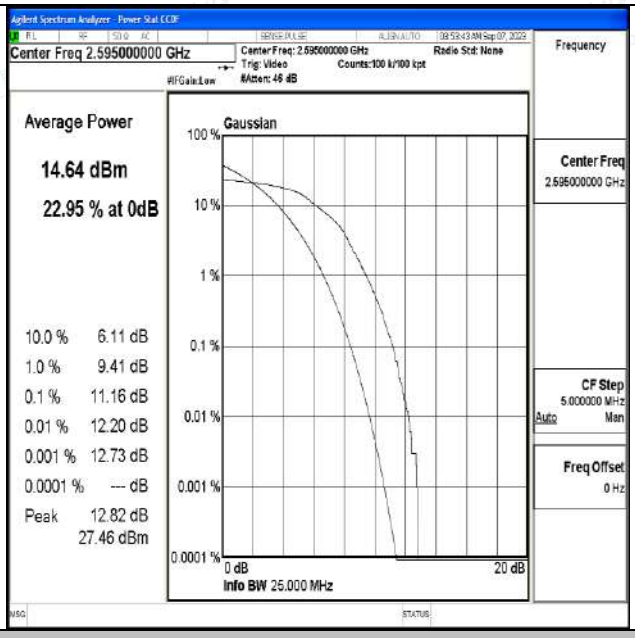
20MHz-37850



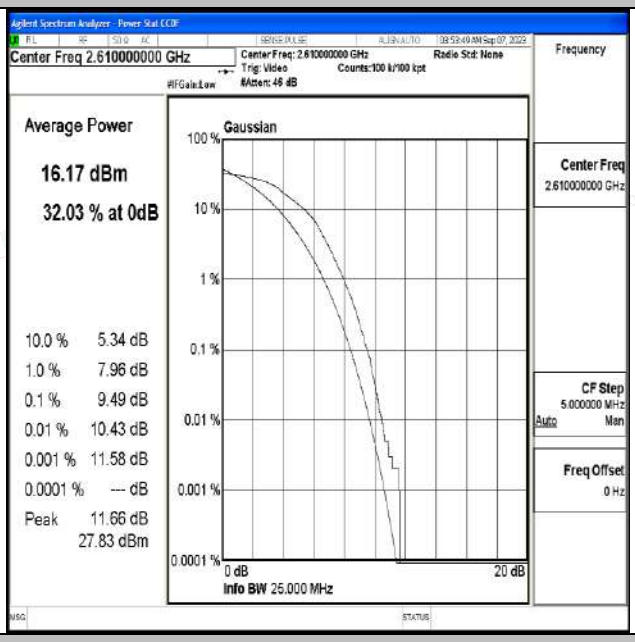
20MHz-38000



20MHz-38150



20MHz-38000



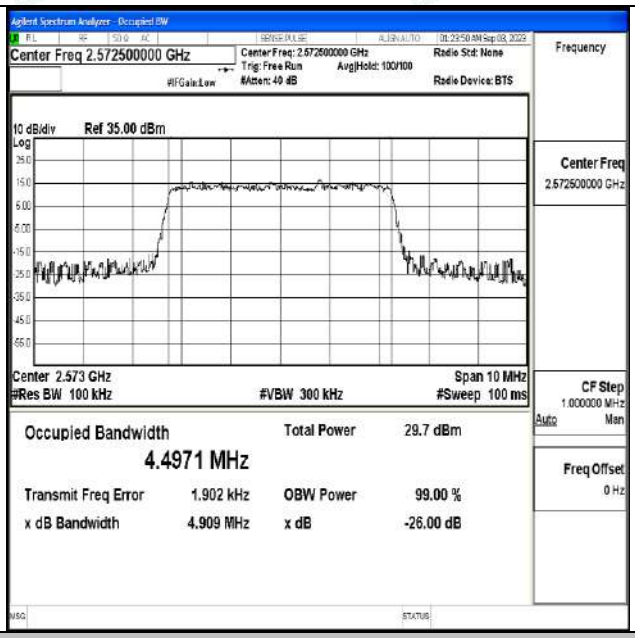
20MHz-38150

M.3 26dB Bandwidth and Occupied Bandwidth

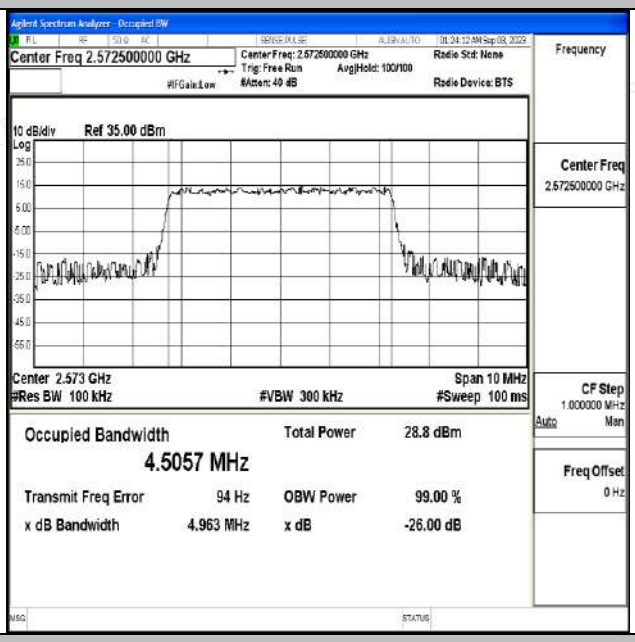
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4971	4.909	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.5057	4.963	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4886	4.922	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.5035	4.958	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.5069	4.925	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4964	4.907	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9645	9.714	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9656	9.713	PASS
Band38	10MHz	QPSK	38000	50RB#0	9.0038	9.707	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9879	9.766	PASS
Band38	10MHz	QPSK	38200	50RB#0	9.0022	9.674	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9858	10.04	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.408	15.29	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.467	15.64	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.456	15.34	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.500	15.42	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.332	14.68	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.530	14.48	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.930	19.13	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.918	19.38	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.945	19.40	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.954	19.23	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.898	19.45	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.922	19.69	PASS

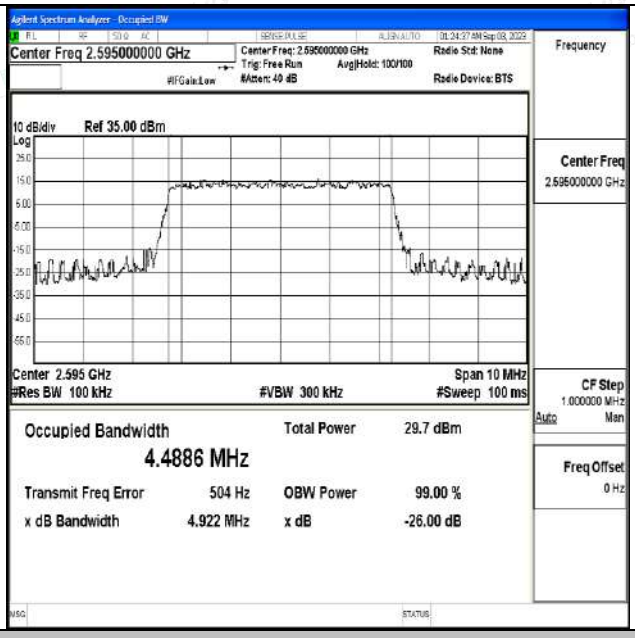
Test Graphs



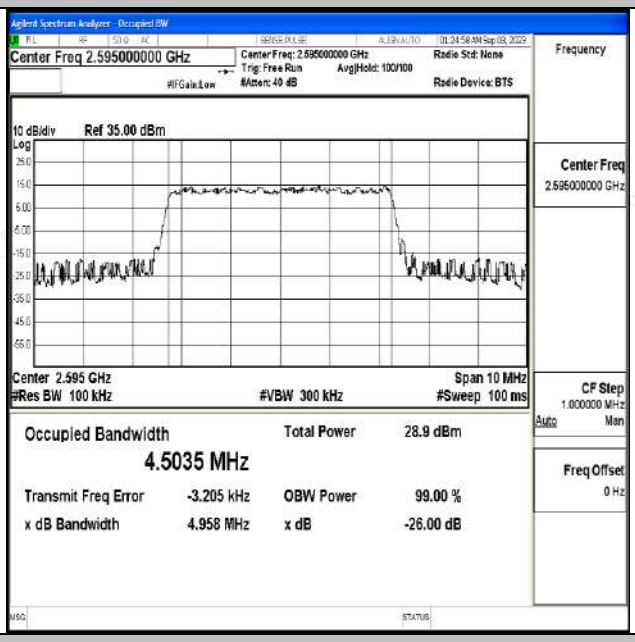
5MHz-37775



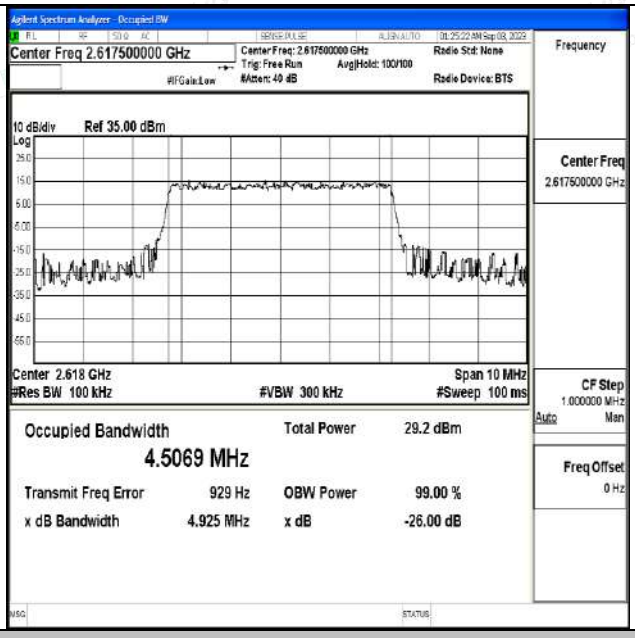
5MHz-37775



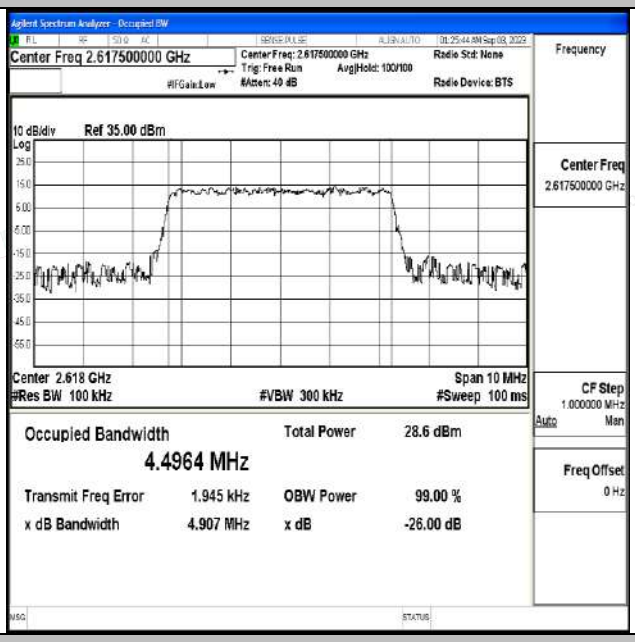
5MHz-38000



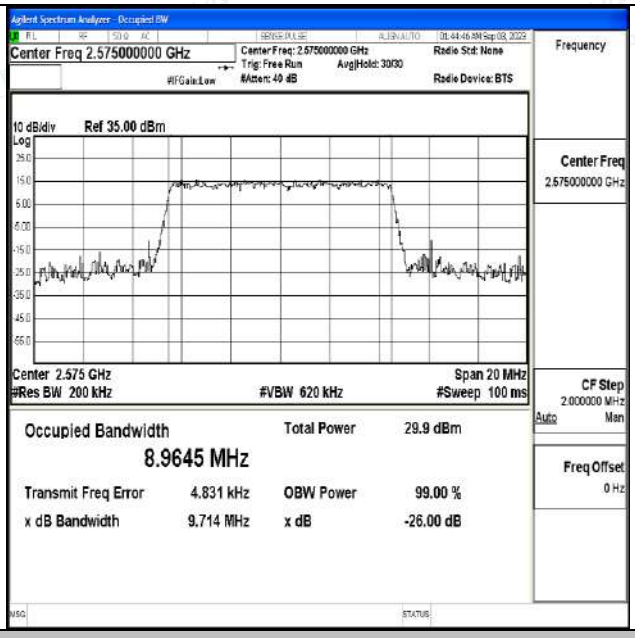
5MHz-38000



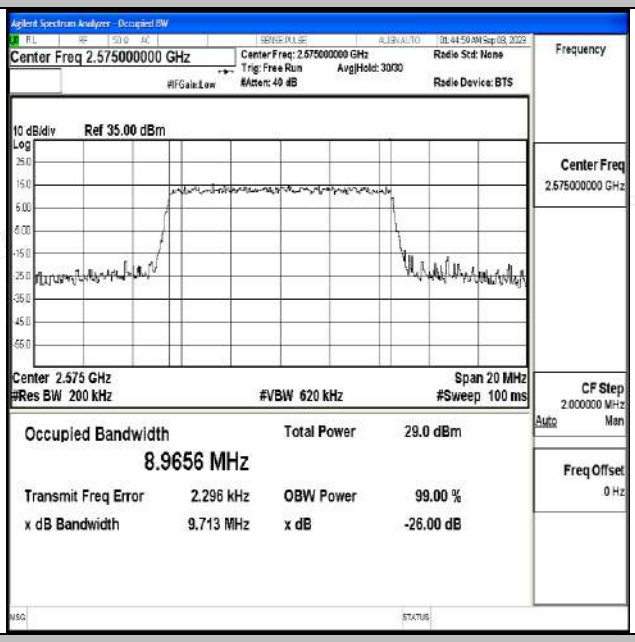
5MHz-38225



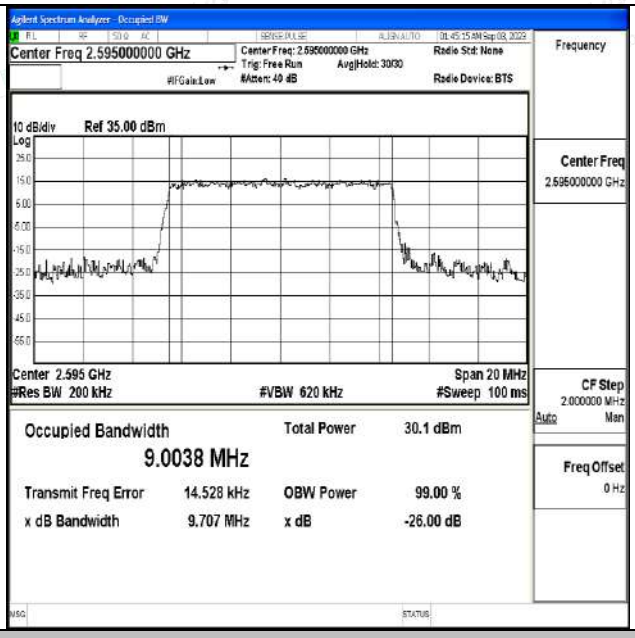
5MHz-38225



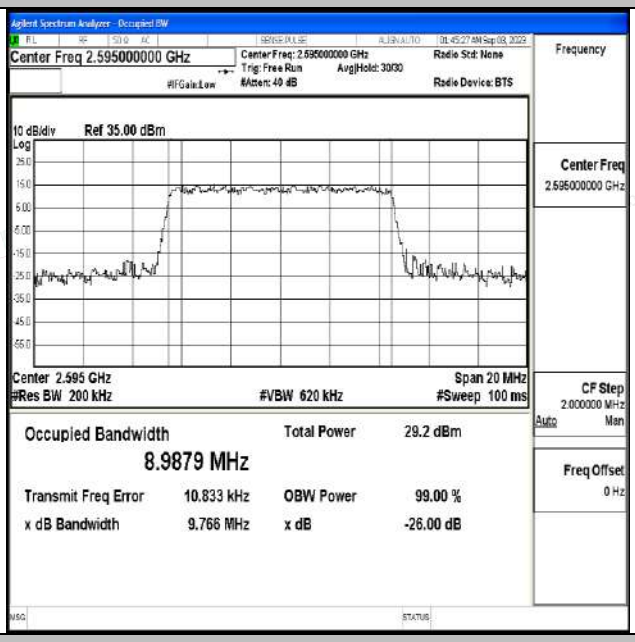
10MHz-37800



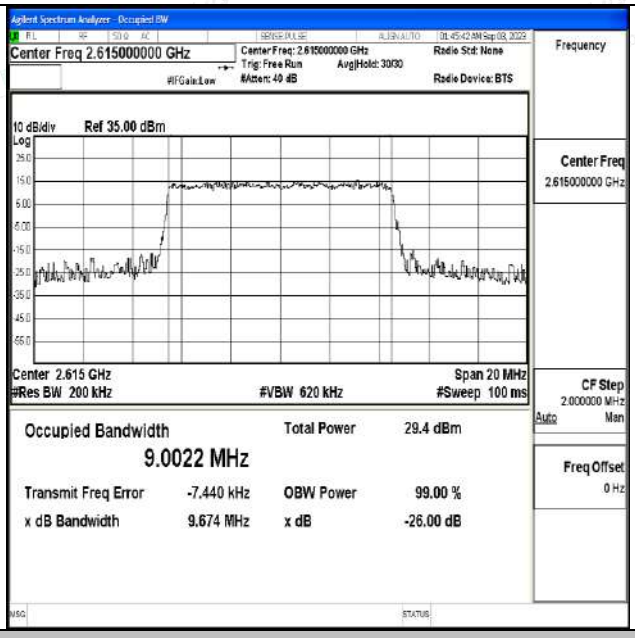
10MHz-37800



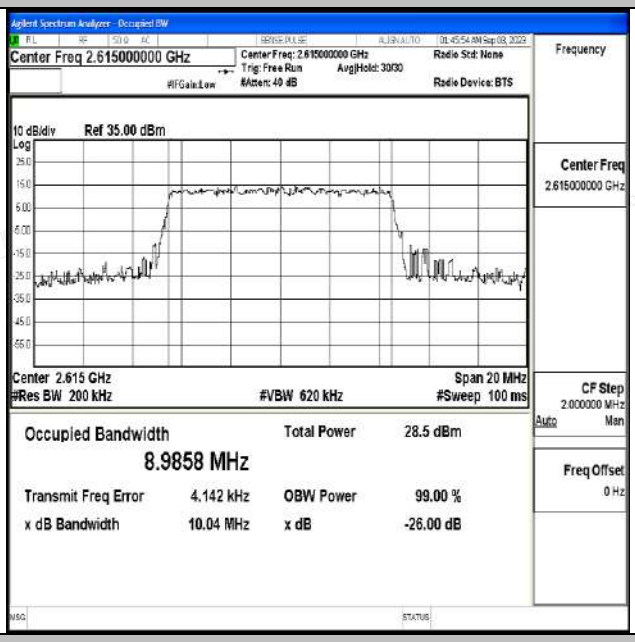
10MHz-38000



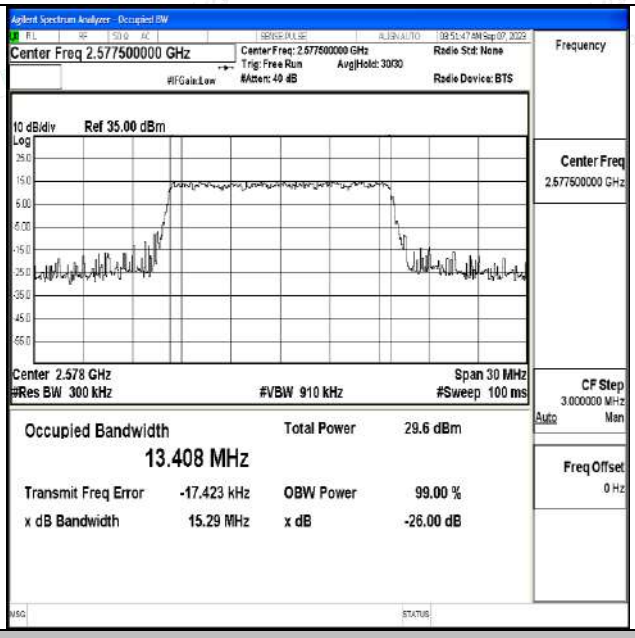
10MHz-38000



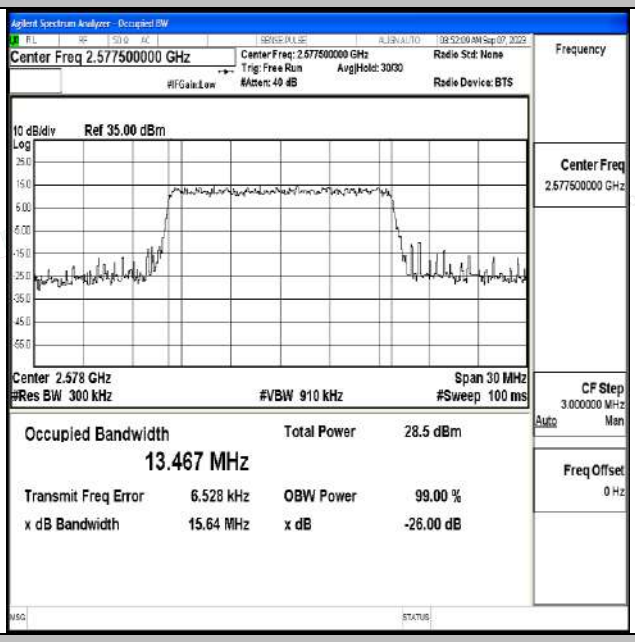
10MHz-38200



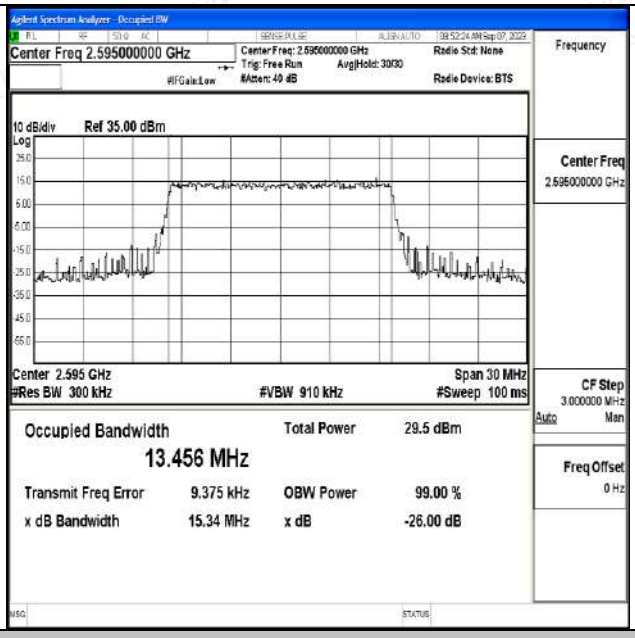
10MHz-38200



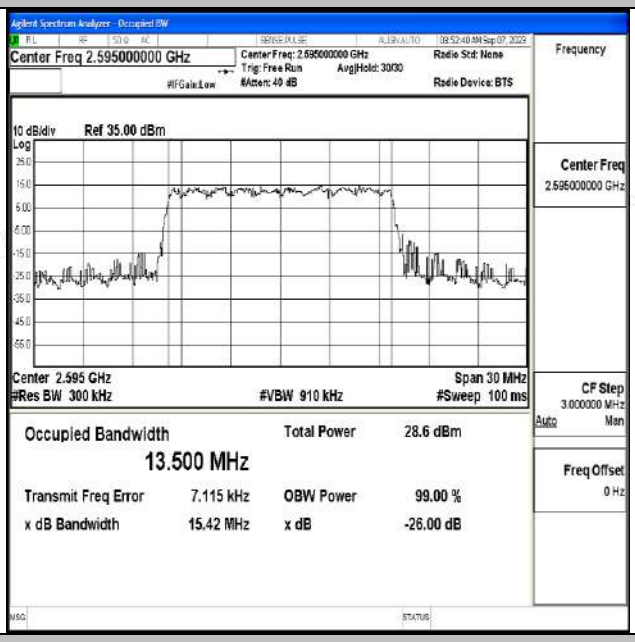
15MHz-37825



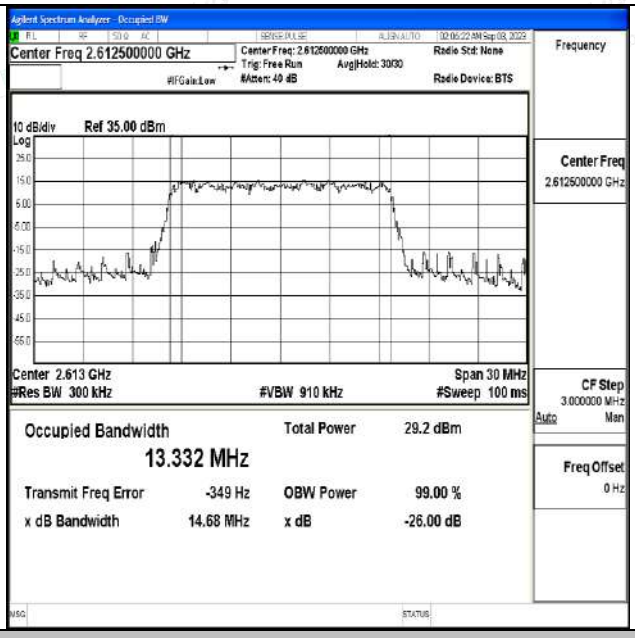
15MHz-37825



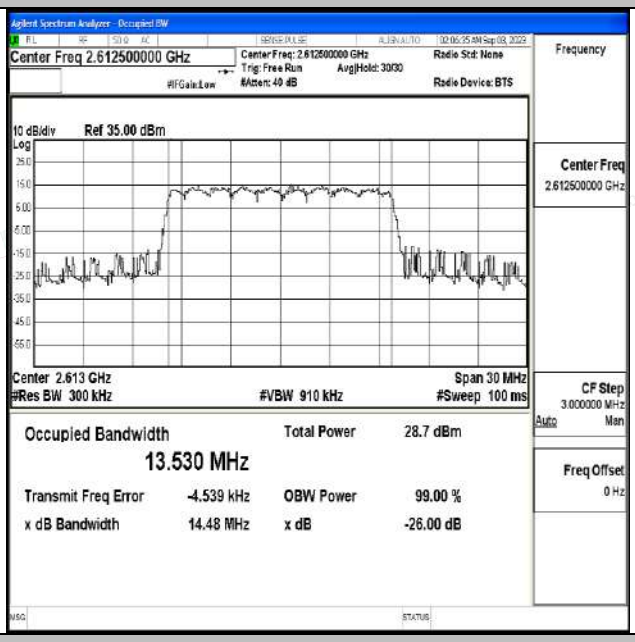
15MHz-38000



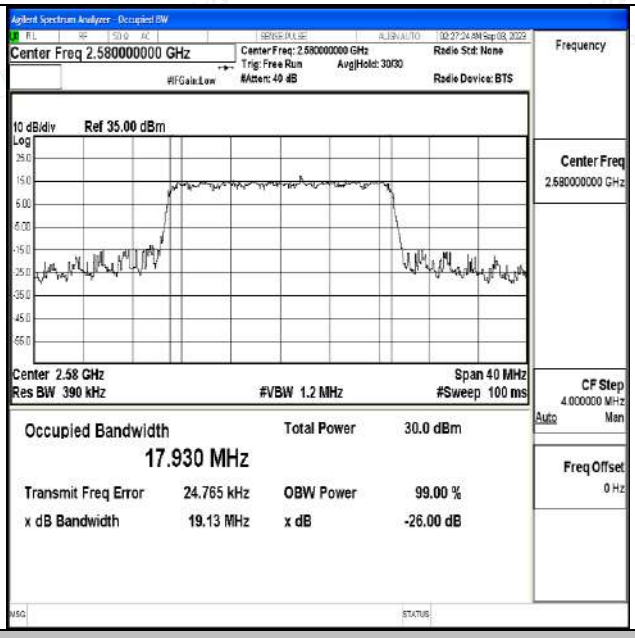
15MHz-38000



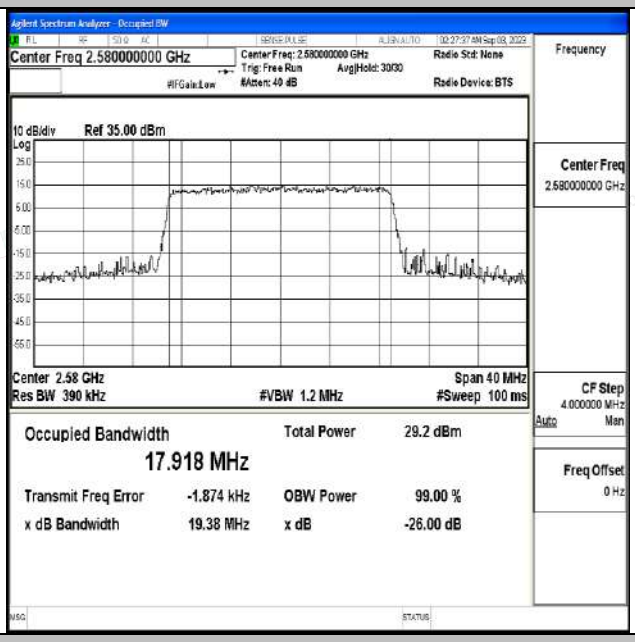
15MHz-38175



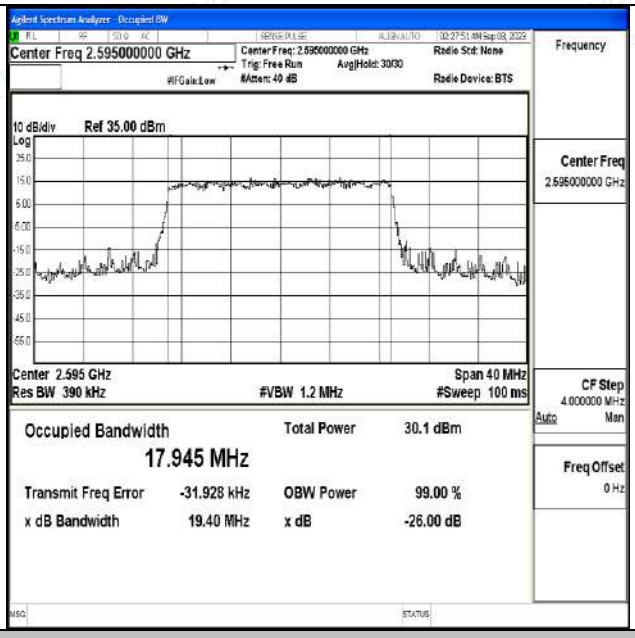
15MHz-38175



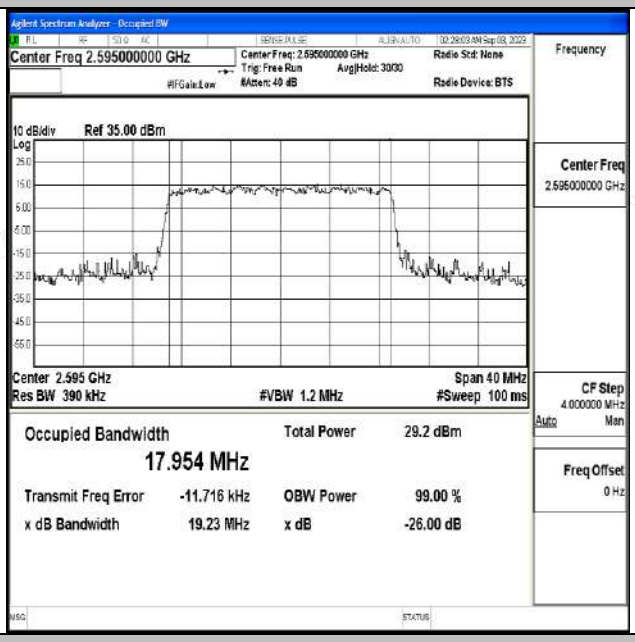
20MHz-37850



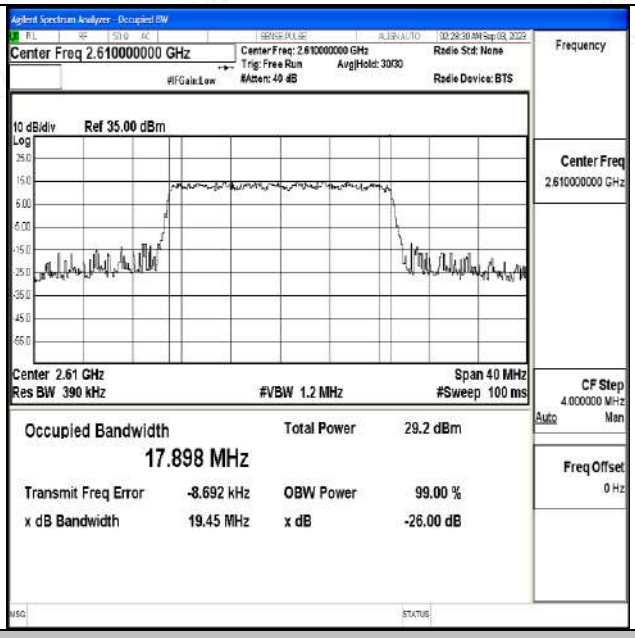
20MHz-37850



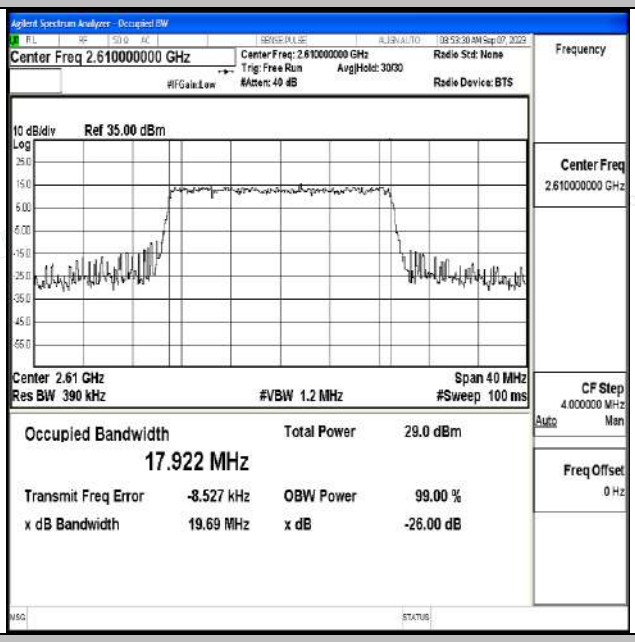
20MHz-38000



20MHz-38000



20MHz-38150



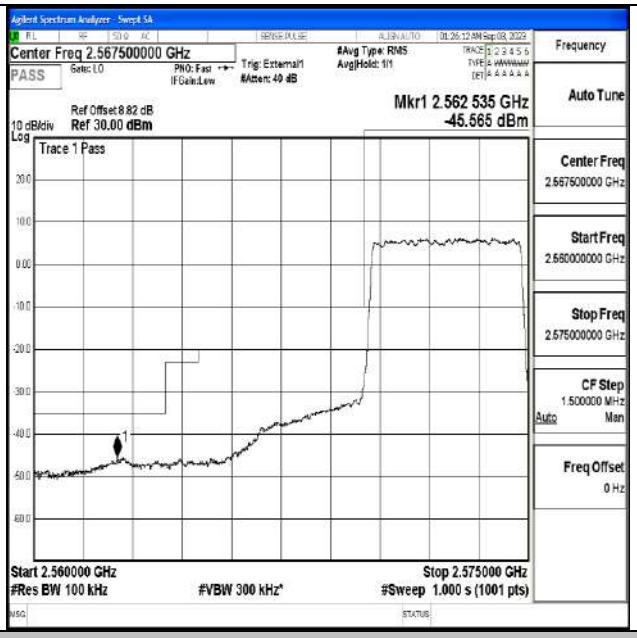
20MHz-38150

M.4 Band Edge

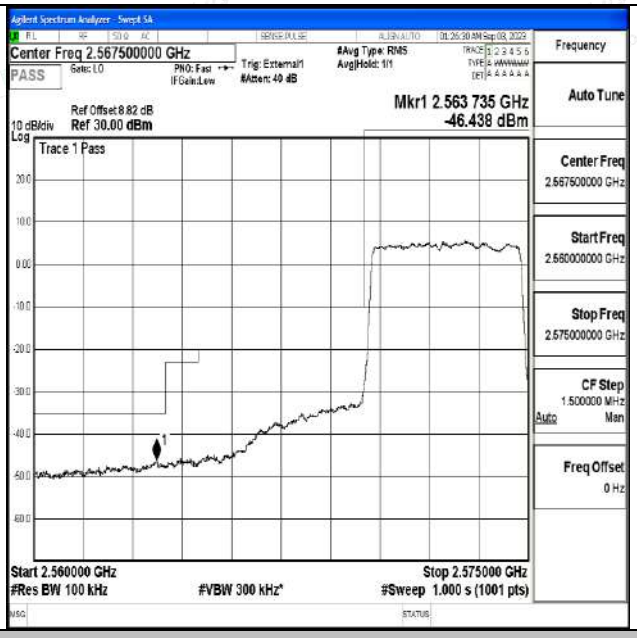
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Peak Frenquency	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	2562.54	-45.57	PASS
Band38	5MHz	16QAM	37775	25RB#0	2563.74	-46.44	PASS
Band38	5MHz	QPSK	38225	25RB#0	2627.29	-45.18	PASS
Band38	5MHz	16QAM	38225	25RB#0	2626.10	-46.66	PASS
Band38	10MHz	QPSK	37800	50RB#0	2555.48	-44.78	PASS
Band38	10MHz	16QAM	37800	50RB#0	2559.80	-45.14	PASS
Band38	10MHz	QPSK	38200	50RB#0	2630.13	-44.63	PASS
Band38	10MHz	16QAM	38200	50RB#0	2630.05	-44.52	PASS
Band38	15MHz	QPSK	37825	75RB#0	2553.64	-42.03	PASS
Band38	15MHz	16QAM	37825	75RB#0	2553.75	-43.23	PASS
Band38	15MHz	QPSK	38175	75RB#0	2639.65	-42.88	PASS
Band38	15MHz	16QAM	38175	75RB#0	2635.14	-43.28	PASS
Band38	20MHz	QPSK	37850	100RB#0	2548.60	-43.28	PASS
Band38	20MHz	16QAM	37850	100RB#0	2549.82	-43.24	PASS
Band38	20MHz	QPSK	38150	100RB#0	2644.64	-43.32	PASS
Band38	20MHz	16QAM	38150	100RB#0	2642.12	-43.35	PASS

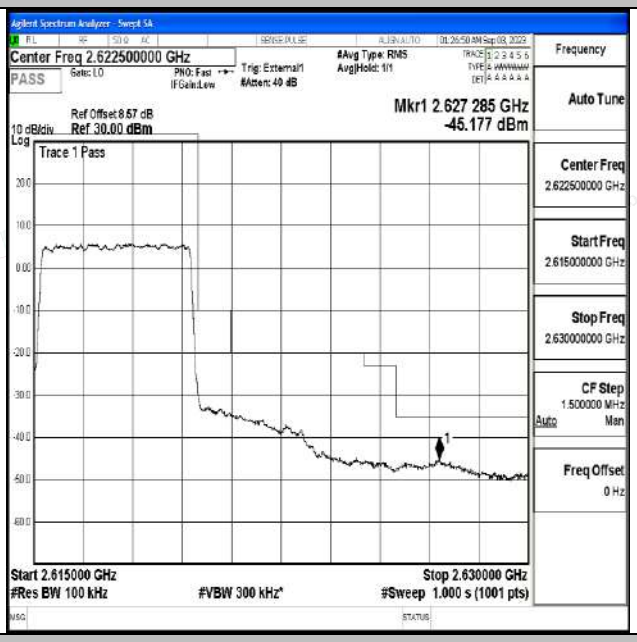
Test Graphs



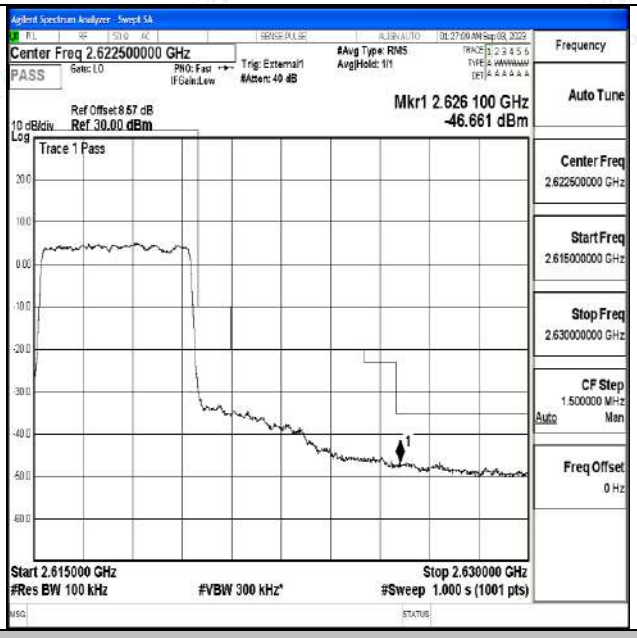
Band38_5MHz_QPSK_37775_25RB#0



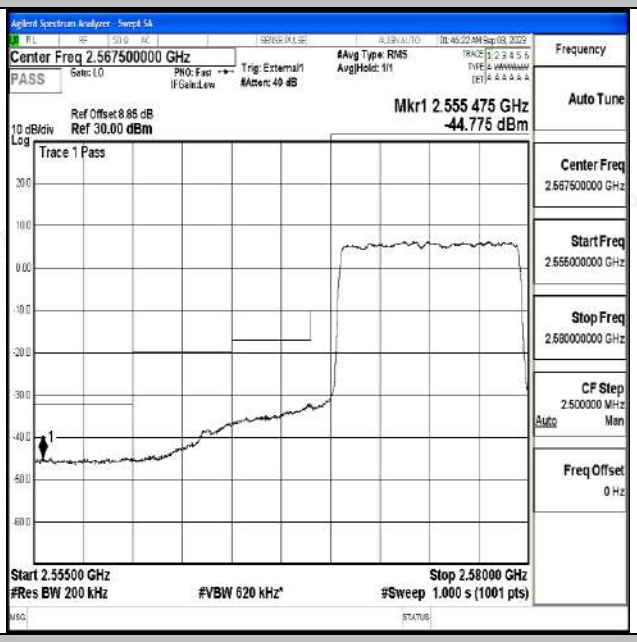
Band38_5MHz_16QAM_37775_25RB#0



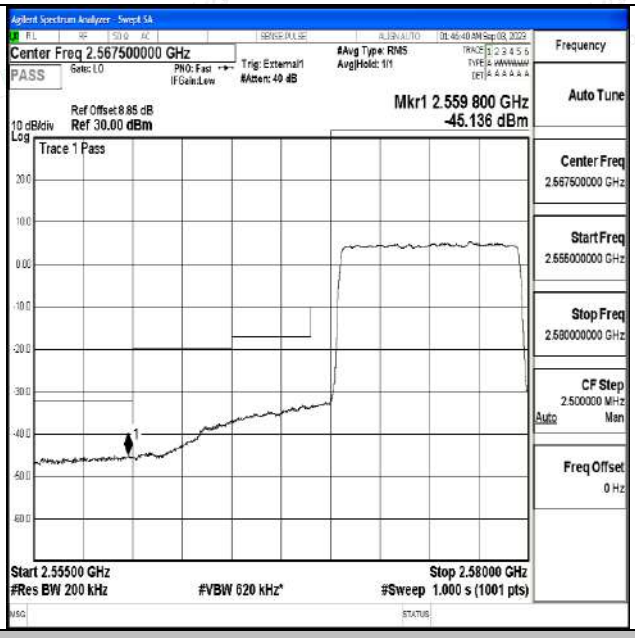
Band38_5MHz_QPSK_38225_25RB#0



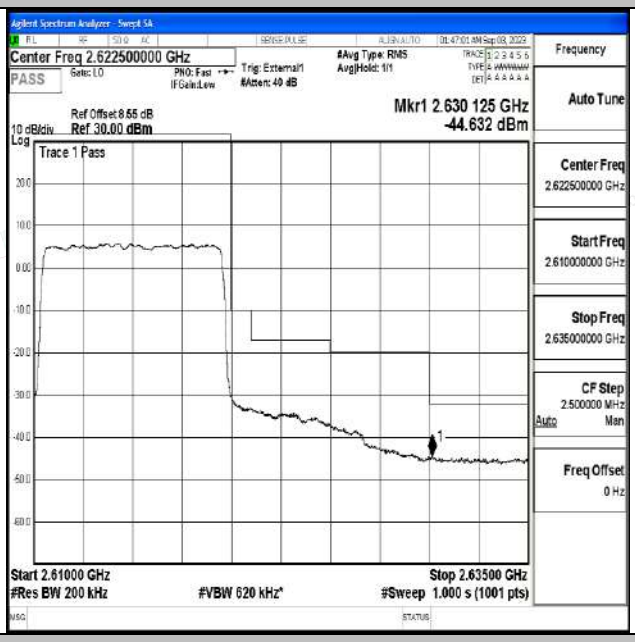
Band38_5MHz_16QAM_38225_25RB#0



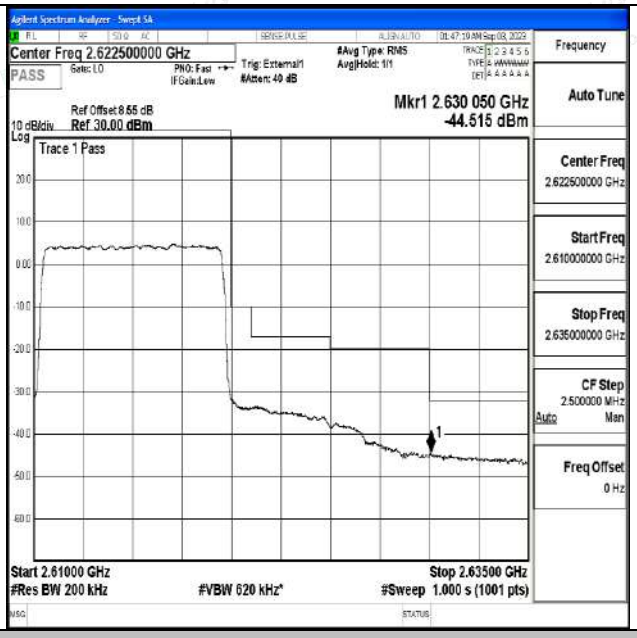
Band38_10MHz_QPSK_37800_50RB#0



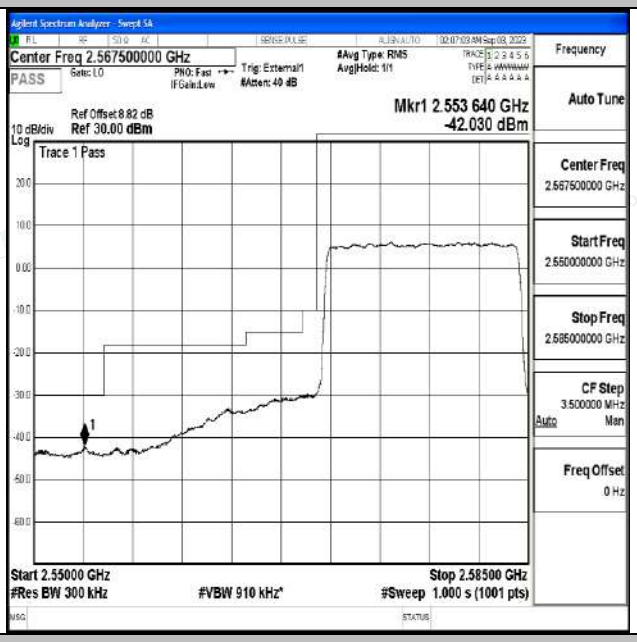
Band38_10MHz_16QAM_37800_50RB#0



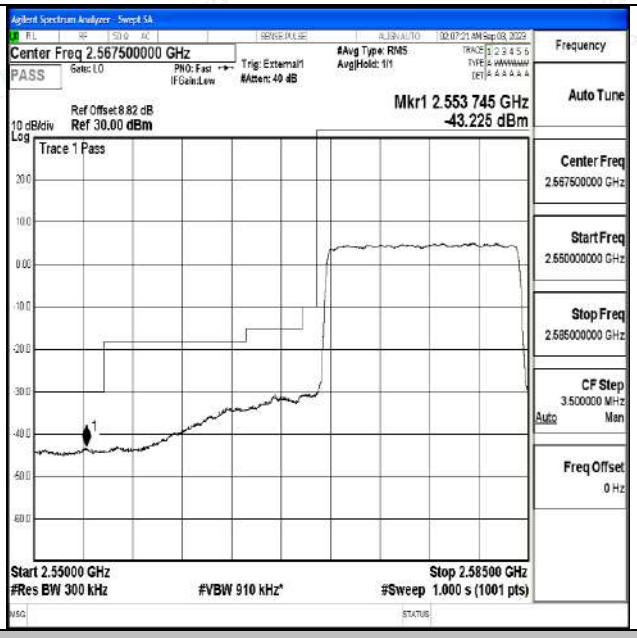
Band38_10MHz_QPSK_38200_50RB#0



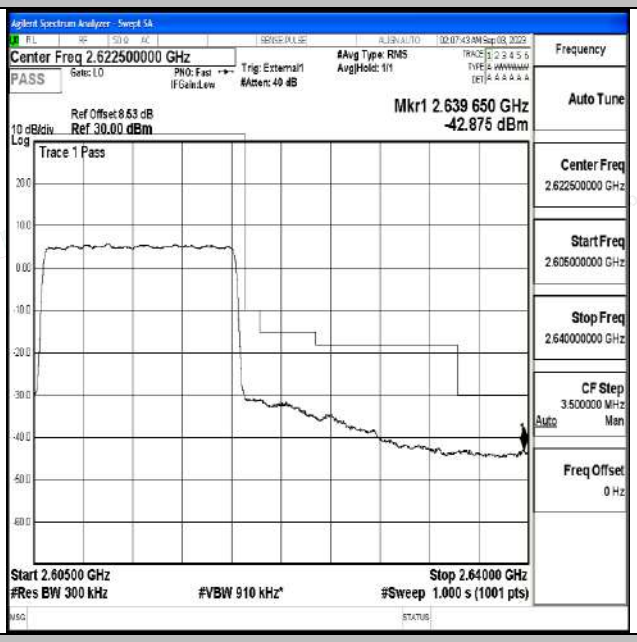
Band38_10MHz_16QAM_38200_50RB#0



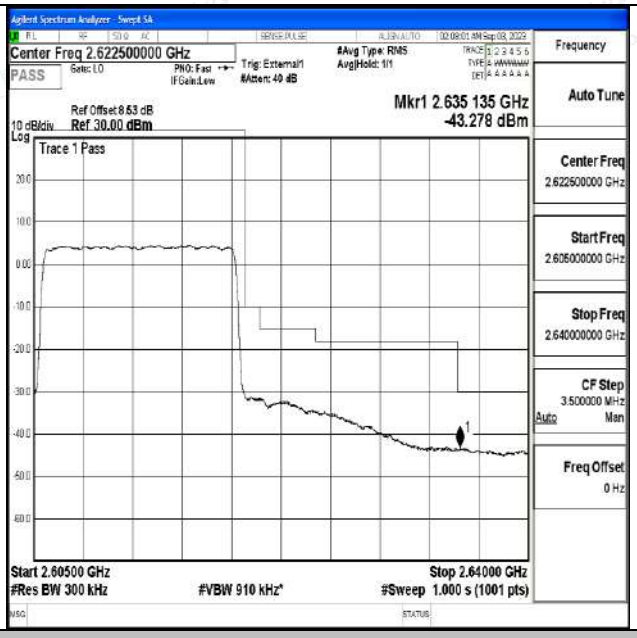
Band38_15MHz_QPSK_37825_75RB#0



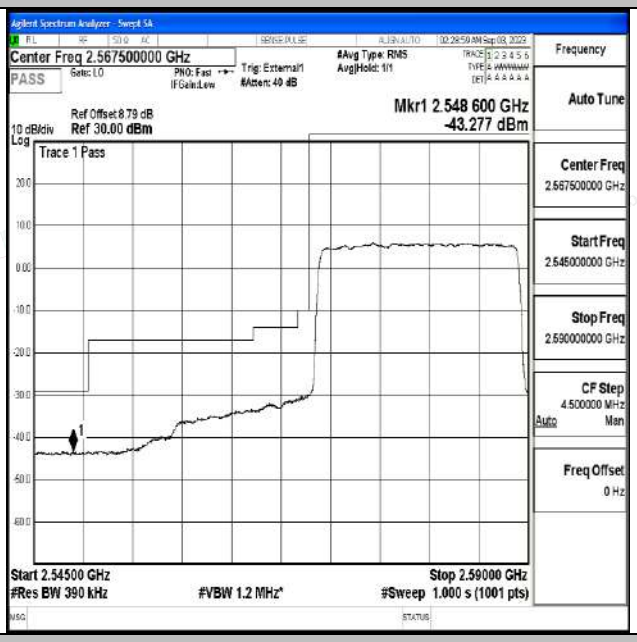
Band38_15MHz_16QAM_37825_75RB#0



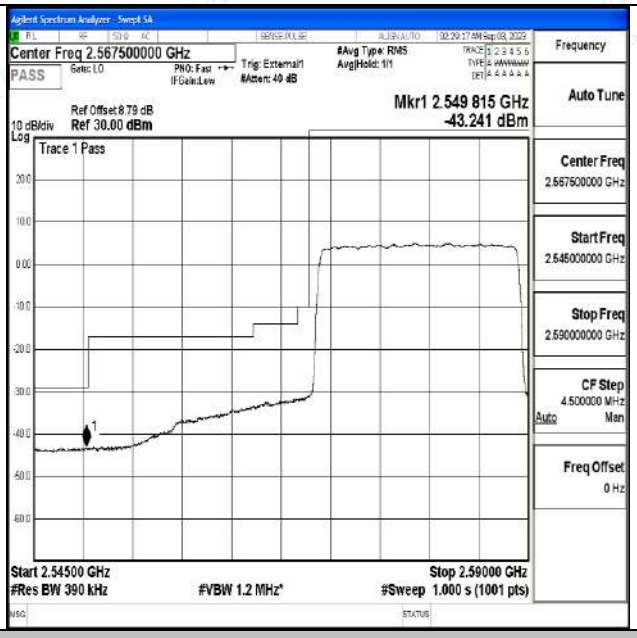
Band38_15MHz_QPSK_38175_75RB#0



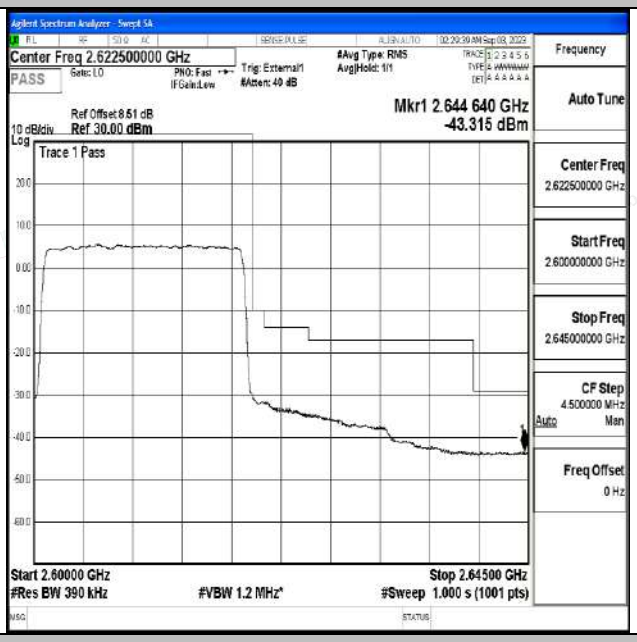
Band38_15MHz_16QAM_38175_75RB#0



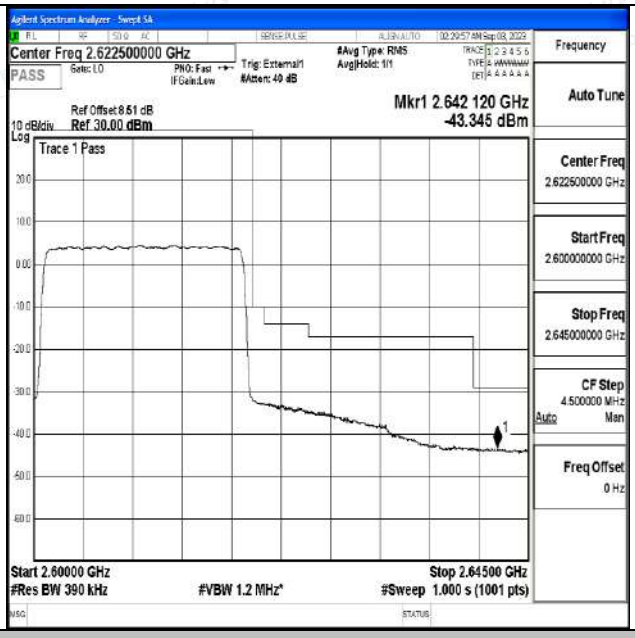
Band38_20MHz_QPSK_37850_100RB#0



Band38_20MHz_16QAM_37850_100RB#0



Band38_20MHz_QPSK_38150_100RB#0



Band38_20MHz_16QAM_38150_100RB#0

M.5 Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	0.009~0.15	-69.23	PASS
Band38	5MHz	QPSK	37775	1RB#0	0.15~30	-52.37	PASS
Band38	5MHz	QPSK	37775	1RB#0	30~1000	-53.77	PASS
Band38	5MHz	QPSK	37775	1RB#0	1000~20000	-33.45	PASS
Band38	5MHz	QPSK	37775	1RB#0	20000~27000	-45.61	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.009~0.15	-67.83	PASS
Band38	5MHz	16QAM	37775	1RB#0	0.15~30	-50.80	PASS
Band38	5MHz	16QAM	37775	1RB#0	30~1000	-53.86	PASS
Band38	5MHz	16QAM	37775	1RB#0	1000~20000	-33.28	PASS
Band38	5MHz	16QAM	37775	1RB#0	20000~27000	-45.17	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.009~0.15	-69.49	PASS
Band38	5MHz	QPSK	38000	1RB#0	0.15~30	-49.91	PASS
Band38	5MHz	QPSK	38000	1RB#0	30~1000	-53.91	PASS
Band38	5MHz	QPSK	38000	1RB#0	1000~20000	-32.90	PASS
Band38	5MHz	QPSK	38000	1RB#0	20000~27000	-45.61	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.009~0.15	-69.15	PASS
Band38	5MHz	16QAM	38000	1RB#0	0.15~30	-48.79	PASS
Band38	5MHz	16QAM	38000	1RB#0	30~1000	-53.87	PASS
Band38	5MHz	16QAM	38000	1RB#0	1000~20000	-33.25	PASS
Band38	5MHz	16QAM	38000	1RB#0	20000~27000	-45.39	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.009~0.15	-67.77	PASS
Band38	5MHz	QPSK	38225	1RB#0	0.15~30	-52.85	PASS
Band38	5MHz	QPSK	38225	1RB#0	30~1000	-53.83	PASS
Band38	5MHz	QPSK	38225	1RB#0	1000~20000	-33.52	PASS
Band38	5MHz	QPSK	38225	1RB#0	20000~27000	-45.61	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.009~0.15	-68.77	PASS
Band38	5MHz	16QAM	38225	1RB#0	0.15~30	-53.35	PASS
Band38	5MHz	16QAM	38225	1RB#0	30~1000	-53.87	PASS
Band38	5MHz	16QAM	38225	1RB#0	1000~20000	-33.38	PASS
Band38	5MHz	16QAM	38225	1RB#0	20000~27000	-45.24	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.009~0.15	-70.27	PASS
Band38	10MHz	QPSK	37800	1RB#0	0.15~30	-51.26	PASS
Band38	10MHz	QPSK	37800	1RB#0	30~1000	-53.69	PASS
Band38	10MHz	QPSK	37800	1RB#0	1000~20000	-33.72	PASS
Band38	10MHz	QPSK	37800	1RB#0	20000~27000	-45.61	PASS

Band38	10MHz	16QAM	37800	1RB#0	0.009~0.15	-69.36	PASS
Band38	10MHz	16QAM	37800	1RB#0	0.15~30	-50.68	PASS
Band38	10MHz	16QAM	37800	1RB#0	30~1000	-53.80	PASS
Band38	10MHz	16QAM	37800	1RB#0	1000~20000	-33.31	PASS
Band38	10MHz	16QAM	37800	1RB#0	20000~27000	-45.60	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.009~0.15	-69.30	PASS
Band38	10MHz	QPSK	38000	1RB#0	0.15~30	-51.58	PASS
Band38	10MHz	QPSK	38000	1RB#0	30~1000	-53.79	PASS
Band38	10MHz	QPSK	38000	1RB#0	1000~20000	-33.72	PASS
Band38	10MHz	QPSK	38000	1RB#0	20000~27000	-45.63	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.009~0.15	-66.45	PASS
Band38	10MHz	16QAM	38000	1RB#0	0.15~30	-51.21	PASS
Band38	10MHz	16QAM	38000	1RB#0	30~1000	-53.86	PASS
Band38	10MHz	16QAM	38000	1RB#0	1000~20000	-33.35	PASS
Band38	10MHz	16QAM	38000	1RB#0	20000~27000	-45.09	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.009~0.15	-69.31	PASS
Band38	10MHz	QPSK	38200	1RB#0	0.15~30	-50.03	PASS
Band38	10MHz	QPSK	38200	1RB#0	30~1000	-53.90	PASS
Band38	10MHz	QPSK	38200	1RB#0	1000~20000	-32.95	PASS
Band38	10MHz	QPSK	38200	1RB#0	20000~27000	-45.16	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.009~0.15	-68.83	PASS
Band38	10MHz	16QAM	38200	1RB#0	0.15~30	-54.14	PASS
Band38	10MHz	16QAM	38200	1RB#0	30~1000	-53.78	PASS
Band38	10MHz	16QAM	38200	1RB#0	1000~20000	-33.01	PASS
Band38	10MHz	16QAM	38200	1RB#0	20000~27000	-45.47	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.009~0.15	-69.69	PASS
Band38	15MHz	QPSK	37825	1RB#0	0.15~30	-52.55	PASS
Band38	15MHz	QPSK	37825	1RB#0	30~1000	-53.93	PASS
Band38	15MHz	QPSK	37825	1RB#0	1000~20000	-33.17	PASS
Band38	15MHz	QPSK	37825	1RB#0	20000~27000	-45.58	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.009~0.15	-68.93	PASS
Band38	15MHz	16QAM	37825	1RB#0	0.15~30	-52.48	PASS
Band38	15MHz	16QAM	37825	1RB#0	30~1000	-53.92	PASS
Band38	15MHz	16QAM	37825	1RB#0	1000~20000	-32.85	PASS
Band38	15MHz	16QAM	37825	1RB#0	20000~27000	-45.81	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.009~0.15	-67.32	PASS
Band38	15MHz	QPSK	38000	1RB#0	0.15~30	-51.77	PASS
Band38	15MHz	QPSK	38000	1RB#0	30~1000	-53.85	PASS
Band38	15MHz	QPSK	38000	1RB#0	1000~20000	-33.64	PASS
Band38	15MHz	QPSK	38000	1RB#0	20000~27000	-45.24	PASS

Band38	15MHz	16QAM	38000	1RB#0	0.009~0.15	-66.62	PASS
Band38	15MHz	16QAM	38000	1RB#0	0.15~30	-53.06	PASS
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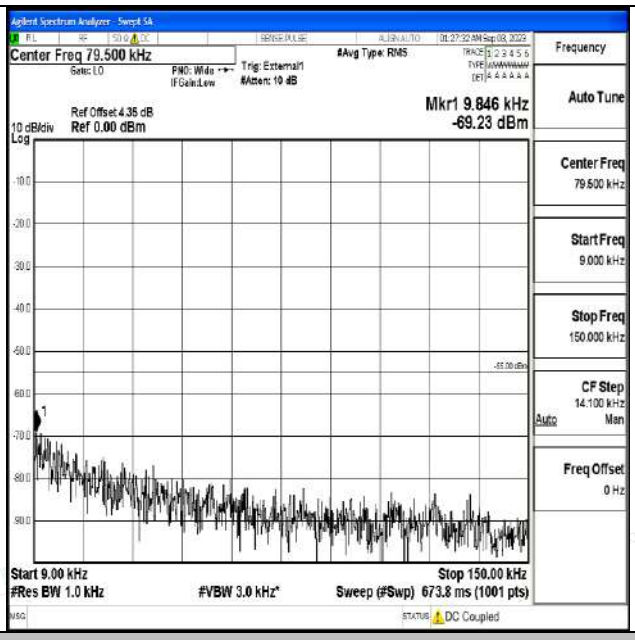
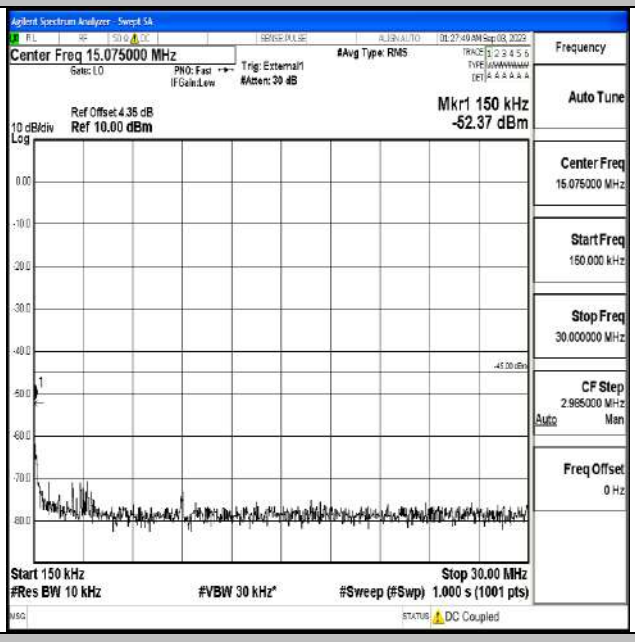
Band38	15MHz	16QAM	38000	1RB#0	1000~20000	-33.49	PASS
Band38	15MHz	16QAM	38000	1RB#0	20000~27000	-45.50	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.009~0.15	-65.37	PASS
Band38	15MHz	QPSK	38175	1RB#0	0.15~30	-51.34	PASS
Band38	15MHz	QPSK	38175	1RB#0	30~1000	-53.60	PASS
Band38	15MHz	QPSK	38175	1RB#0	1000~20000	-33.70	PASS
Band38	15MHz	QPSK	38175	1RB#0	20000~27000	-45.86	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.009~0.15	-66.07	PASS
Band38	15MHz	16QAM	38175	1RB#0	0.15~30	-52.79	PASS
Band38	15MHz	16QAM	38175	1RB#0	30~1000	-53.79	PASS
Band38	15MHz	16QAM	38175	1RB#0	1000~20000	-32.53	PASS
Band38	15MHz	16QAM	38175	1RB#0	20000~27000	-45.28	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.009~0.15	-66.26	PASS
Band38	20MHz	QPSK	37850	1RB#0	0.15~30	-51.26	PASS
Band38	20MHz	QPSK	37850	1RB#0	30~1000	-53.85	PASS
Band38	20MHz	QPSK	37850	1RB#0	1000~20000	-33.55	PASS
Band38	20MHz	QPSK	37850	1RB#0	20000~27000	-45.20	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.009~0.15	-70.29	PASS
Band38	20MHz	16QAM	37850	1RB#0	0.15~30	-49.13	PASS
Band38	20MHz	16QAM	37850	1RB#0	30~1000	-53.90	PASS
Band38	20MHz	16QAM	37850	1RB#0	1000~20000	-32.89	PASS
Band38	20MHz	16QAM	37850	1RB#0	20000~27000	-45.25	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.009~0.15	-69.32	PASS
Band38	20MHz	QPSK	38000	1RB#0	0.15~30	-49.68	PASS
Band38	20MHz	QPSK	38000	1RB#0	30~1000	-53.84	PASS
Band38	20MHz	QPSK	38000	1RB#0	1000~20000	-33.19	PASS
Band38	20MHz	QPSK	38000	1RB#0	20000~27000	-45.61	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.009~0.15	-66.98	PASS
Band38	20MHz	16QAM	38000	1RB#0	0.15~30	-50.03	PASS
Band38	20MHz	16QAM	38000	1RB#0	30~1000	-53.89	PASS
Band38	20MHz	16QAM	38000	1RB#0	1000~20000	-33.24	PASS
Band38	20MHz	16QAM	38000	1RB#0	20000~27000	-45.70	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.009~0.15	-67.62	PASS
Band38	20MHz	QPSK	38150	1RB#0	0.15~30	-50.43	PASS
Band38	20MHz	QPSK	38150	1RB#0	30~1000	-53.91	PASS
Band38	20MHz	QPSK	38150	1RB#0	1000~20000	-33.12	PASS
Band38	20MHz	QPSK	38150	1RB#0	20000~27000	-45.40	PASS

Band38	20MHz	16QAM	38150	1RB#0	0.009~0.15	-69.61	PASS
Band38	20MHz	16QAM	38150	1RB#0	0.15~30	-52.35	PASS
Band38	20MHz	16QAM	38150	1RB#0	30~1000	-53.89	PASS
Band38	20MHz	16QAM	38150	1RB#0	1000~20000	-33.55	PASS
Band38	20MHz	16QAM	38150	1RB#0	20000~27000	-45.77	PASS

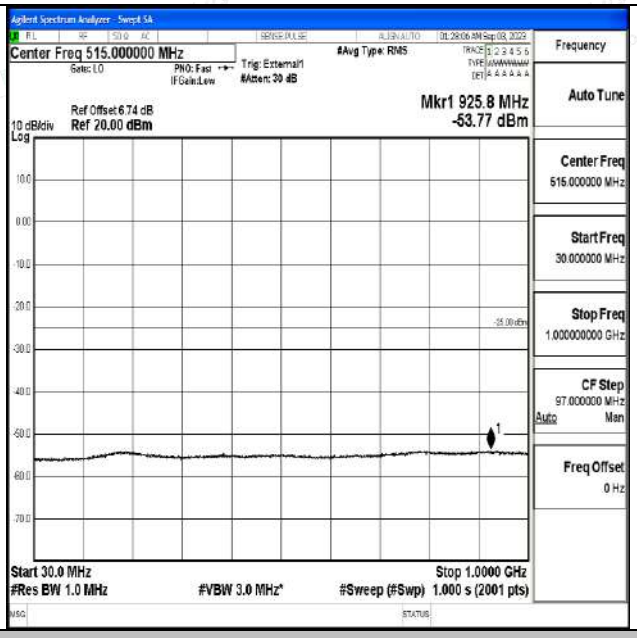
Test Graphs



Band38_5MHz_QPSK_37775_1RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_QPSK_37775_1RB#0_0.15~30_0.15~30



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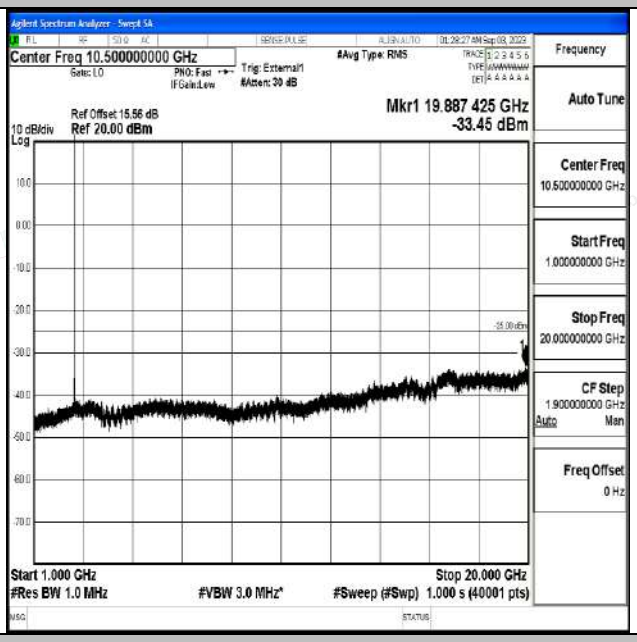

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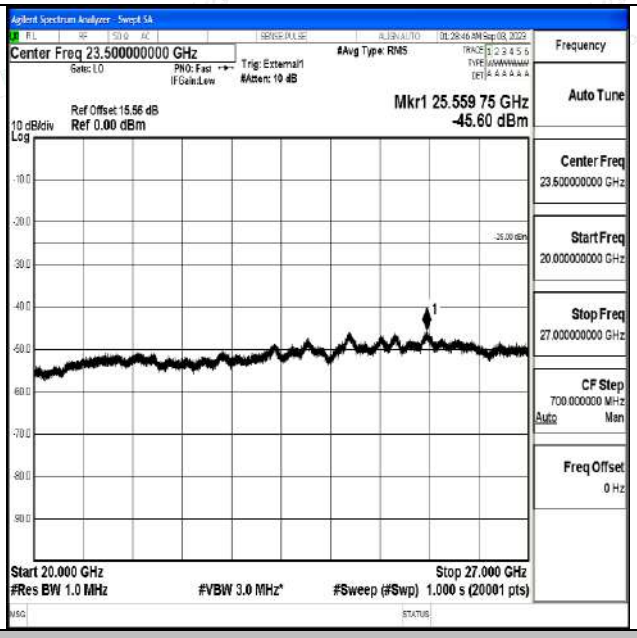

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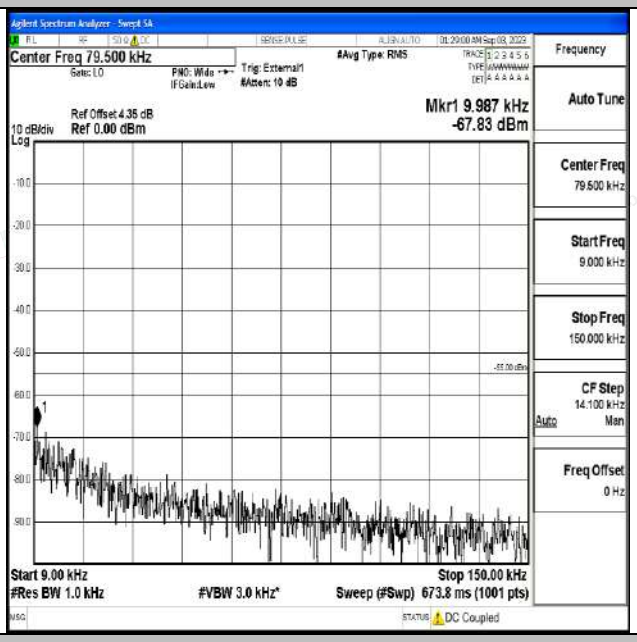
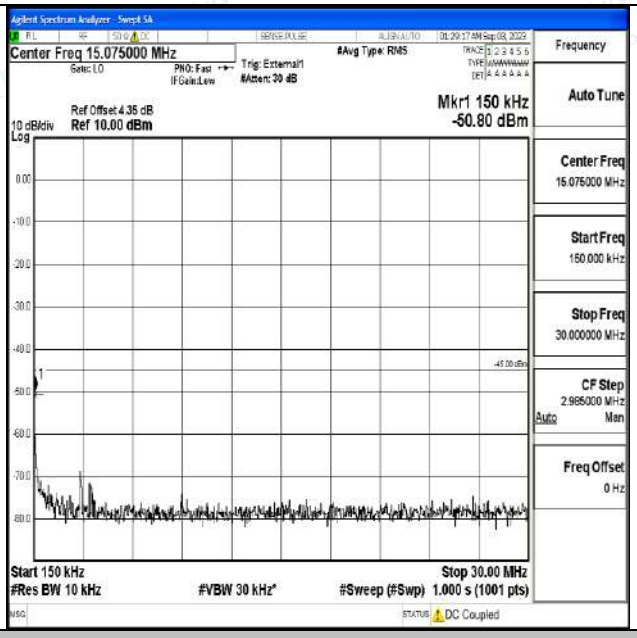
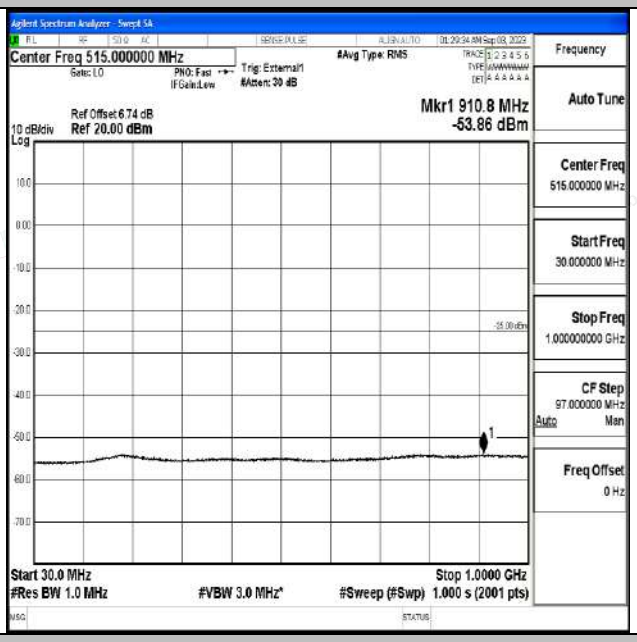


Band38_5MHz_16QAM_37775_1RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_16QAM_37775_1RB#0_0.15~30_0.15~30



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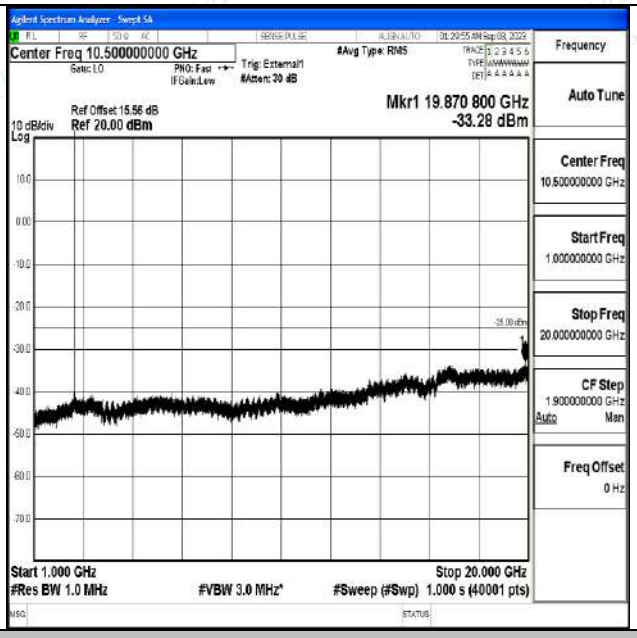

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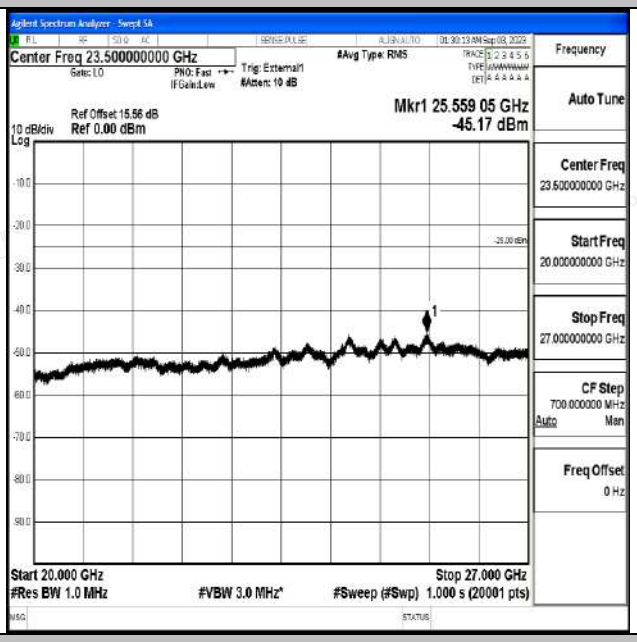
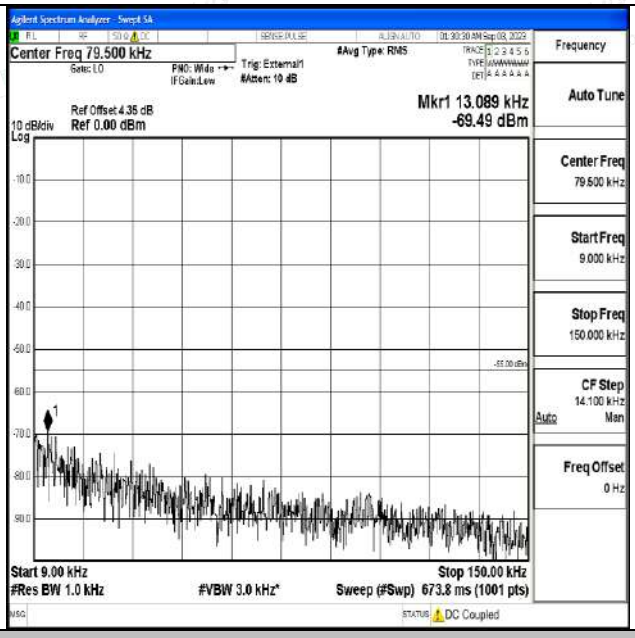


Band38_5MHz_16QAM_37775_1RB#0_20000~27000_20000~27000



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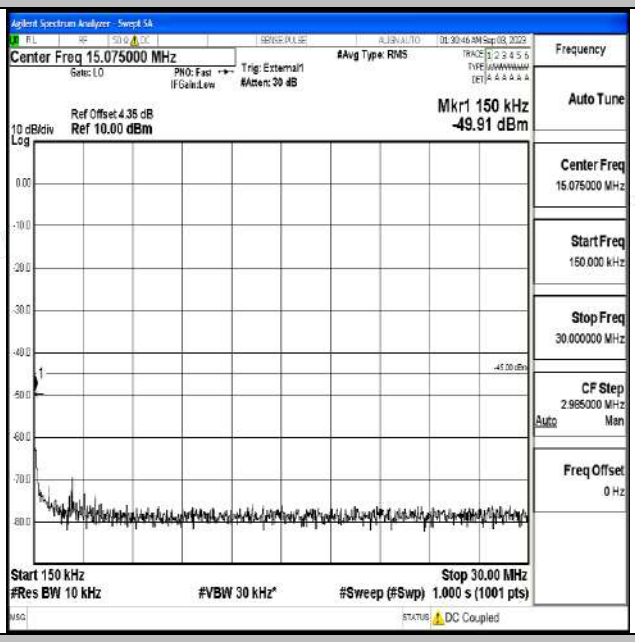

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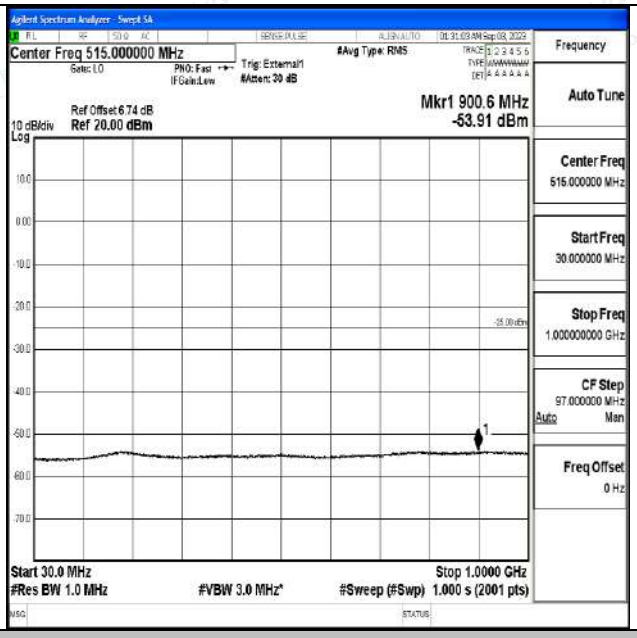

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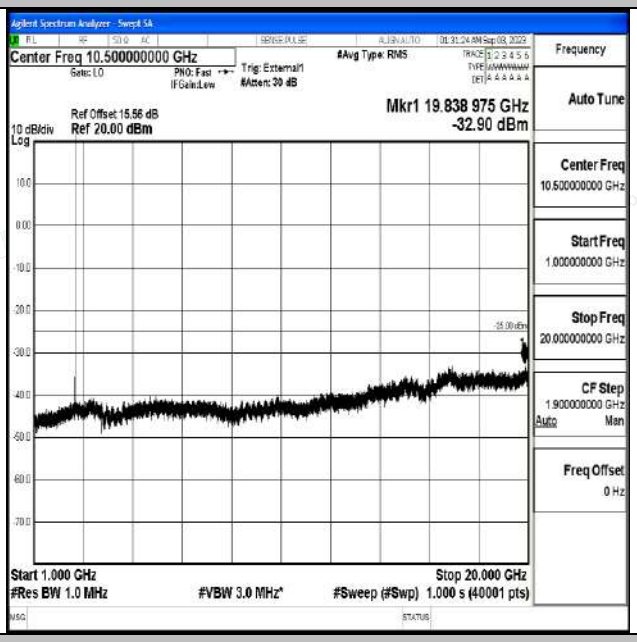

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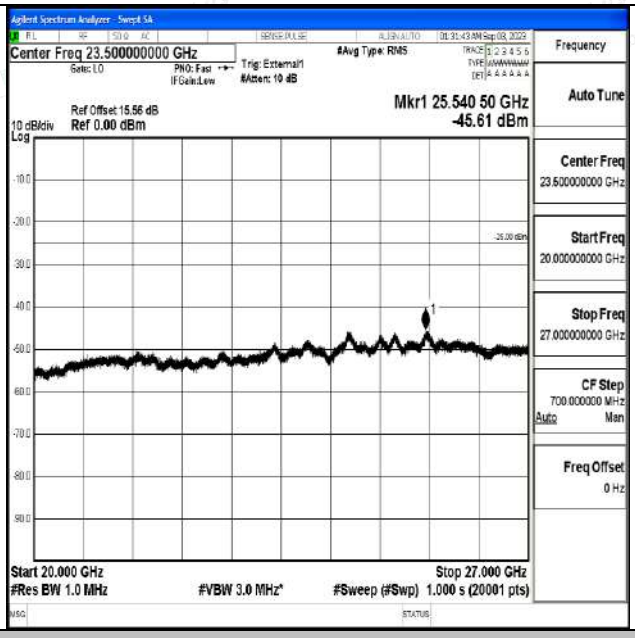

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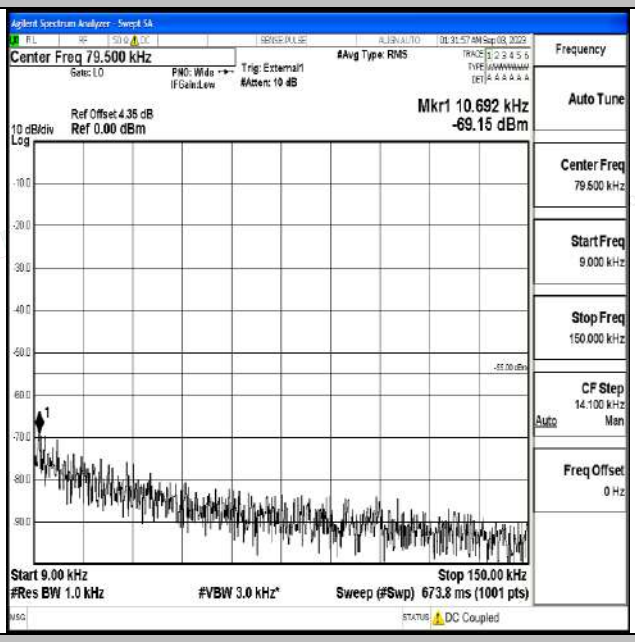

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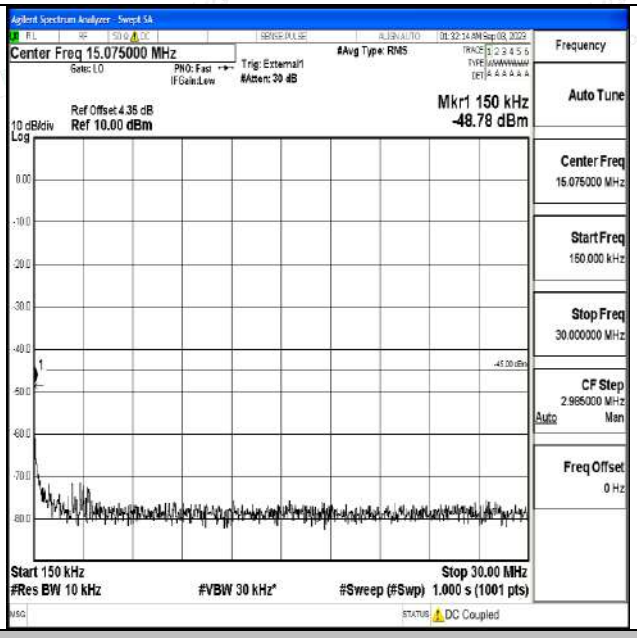

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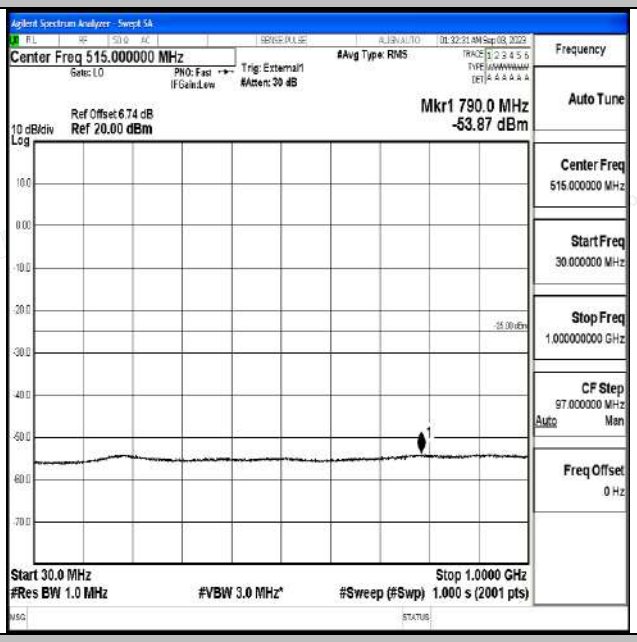

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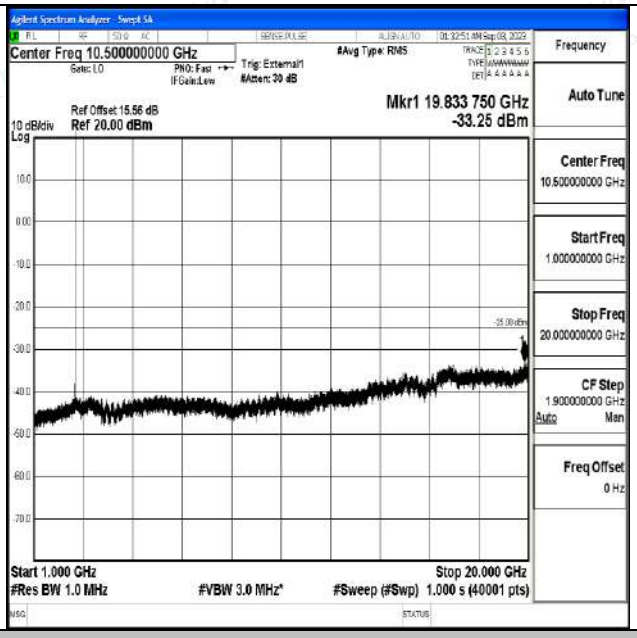
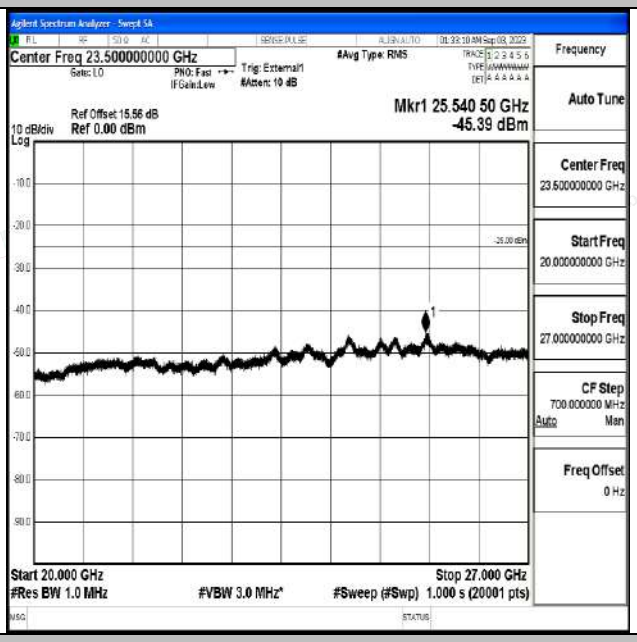
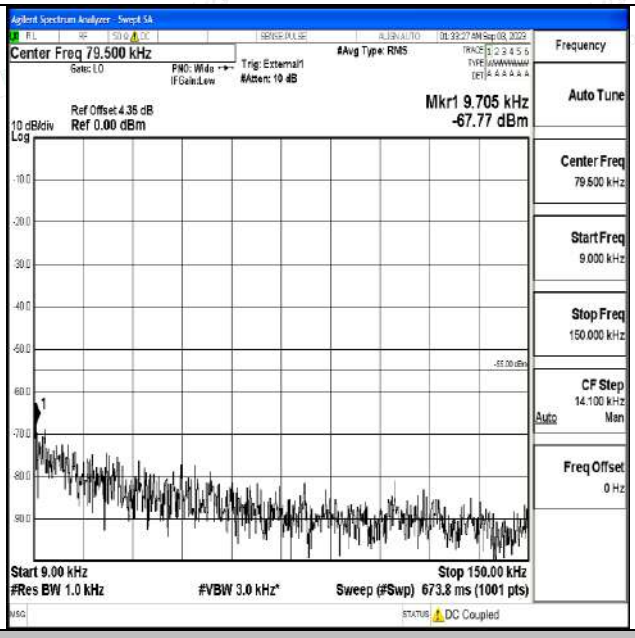


Band38_5MHz_16QAM_38000_1RB#0_1000~20000_1000~20000



Band38_5MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



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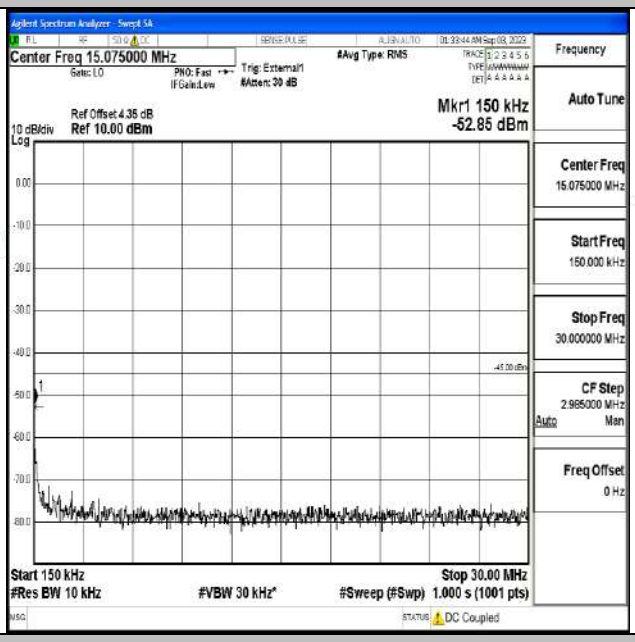

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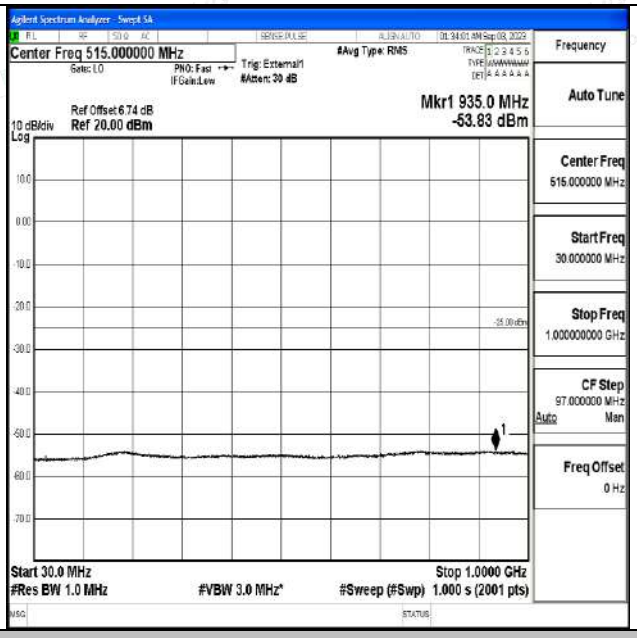

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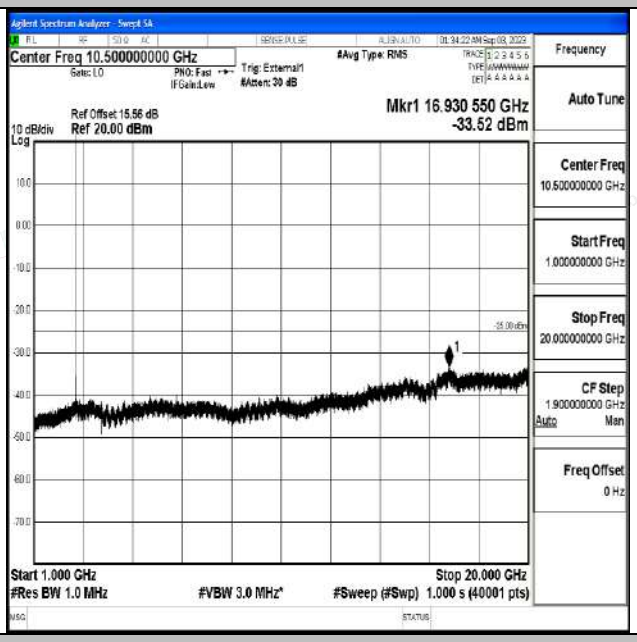

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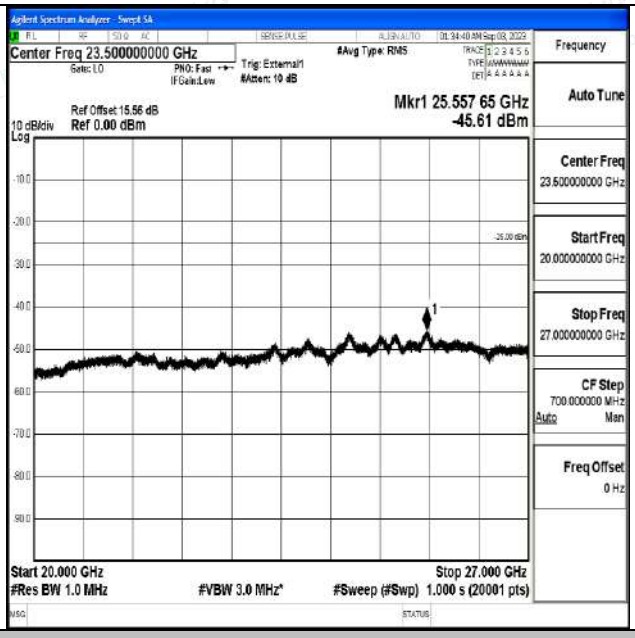

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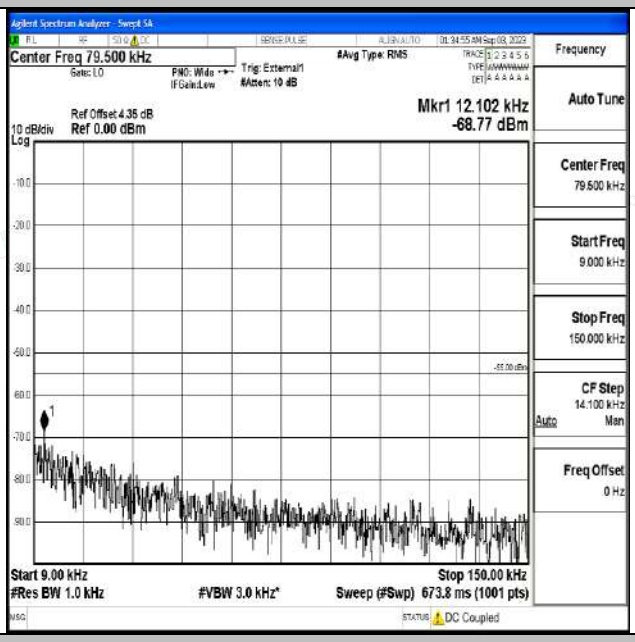
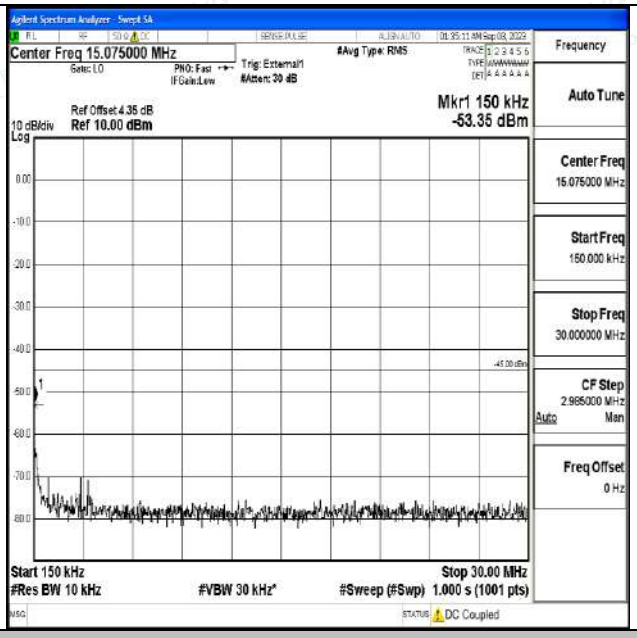
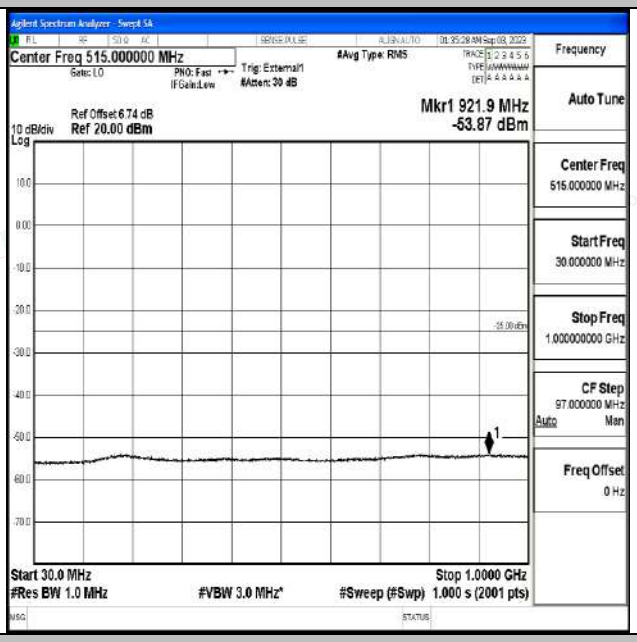


Band38_5MHz_16QAM_38225_1RB#0_0.009~0.15_0.009~0.15



Band38_5MHz_16QAM_38225_1RB#0_0.15~30_0.15~30



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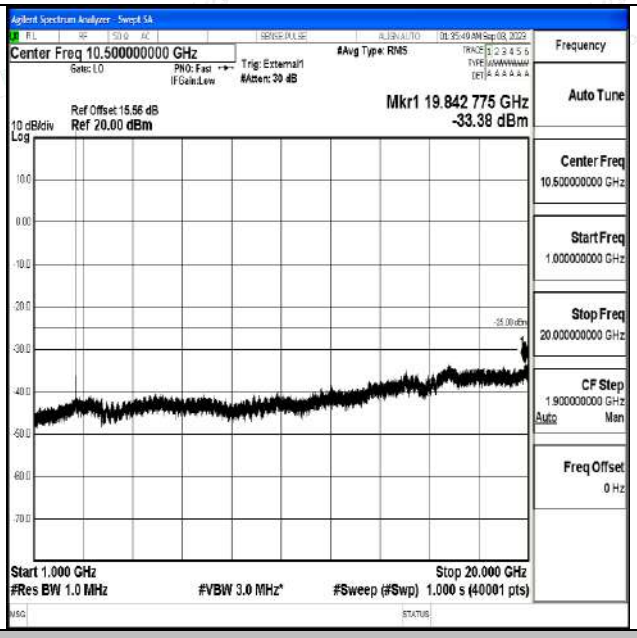

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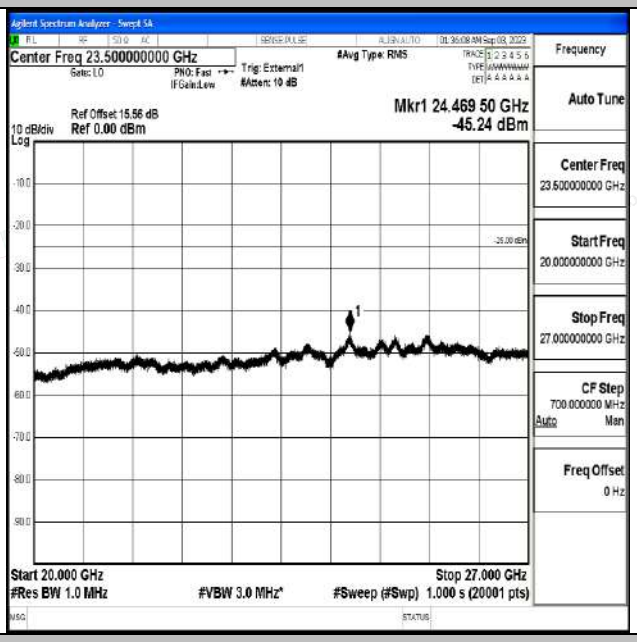
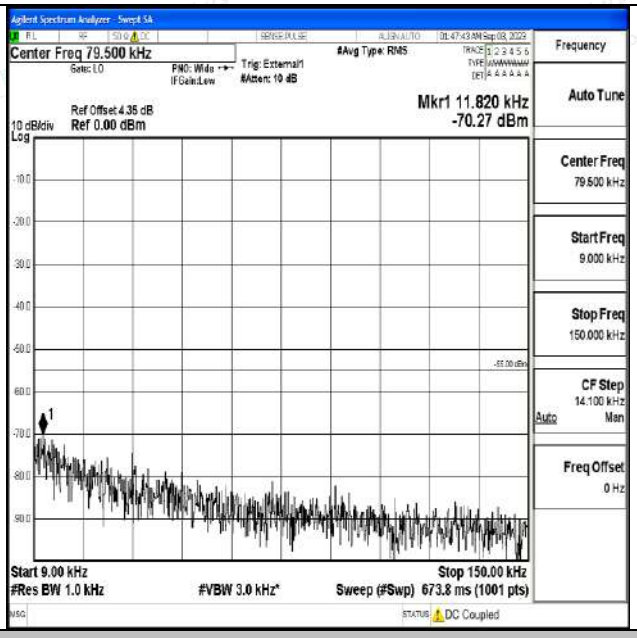


Band38_5MHz_16QAM_38225_1RB#0_20000~27000_20000~27000



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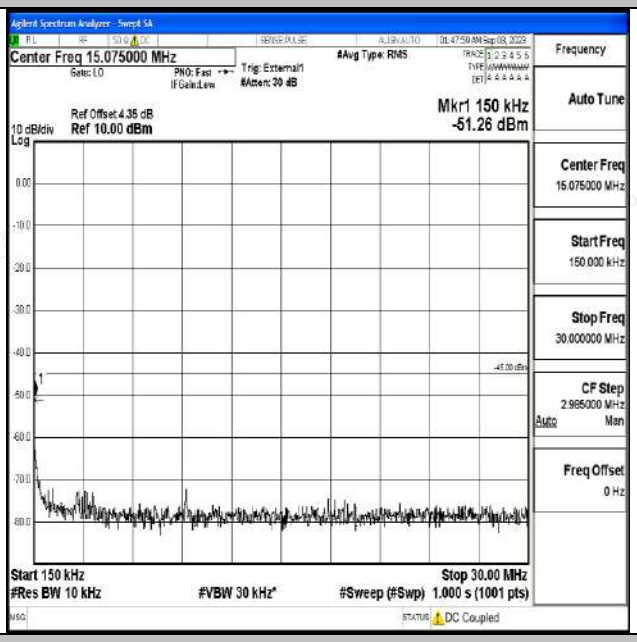

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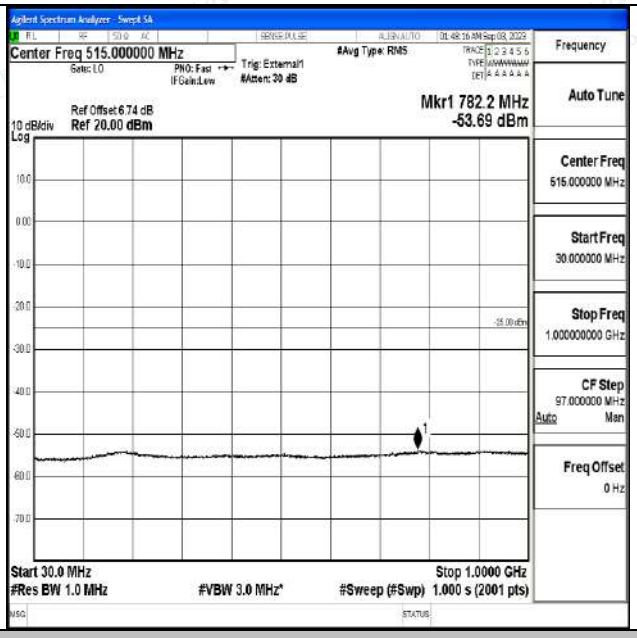

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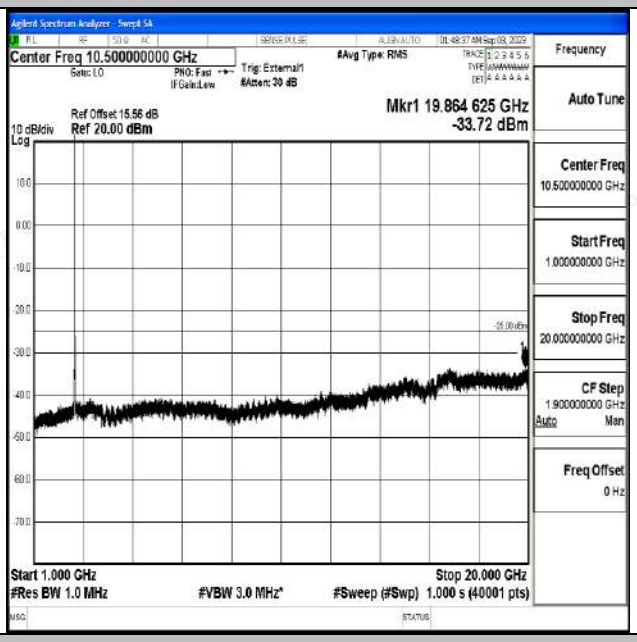

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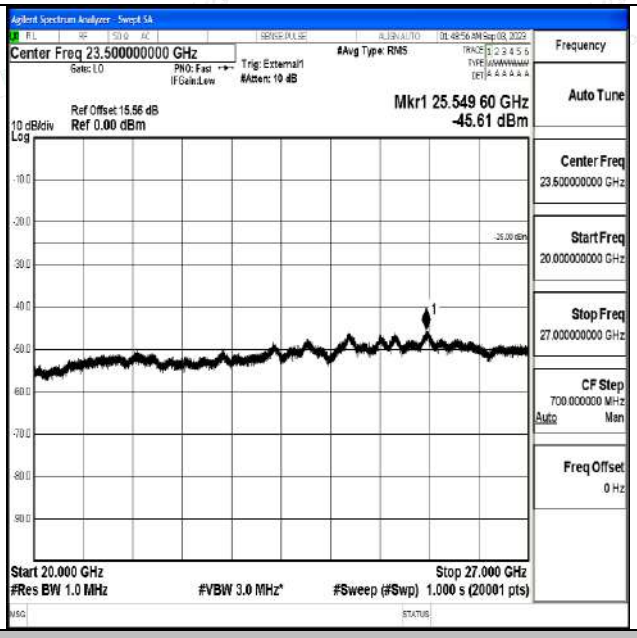

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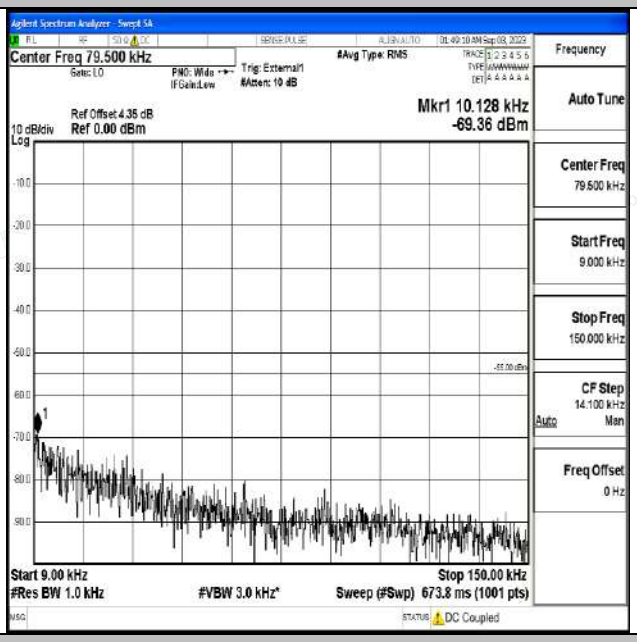

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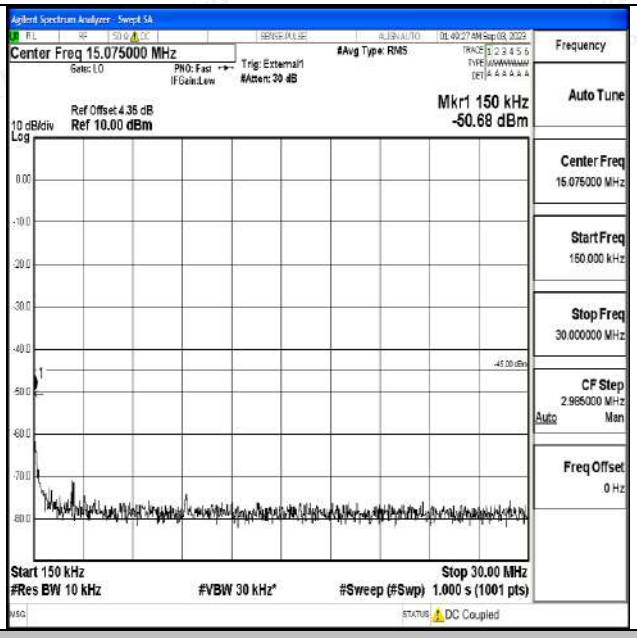
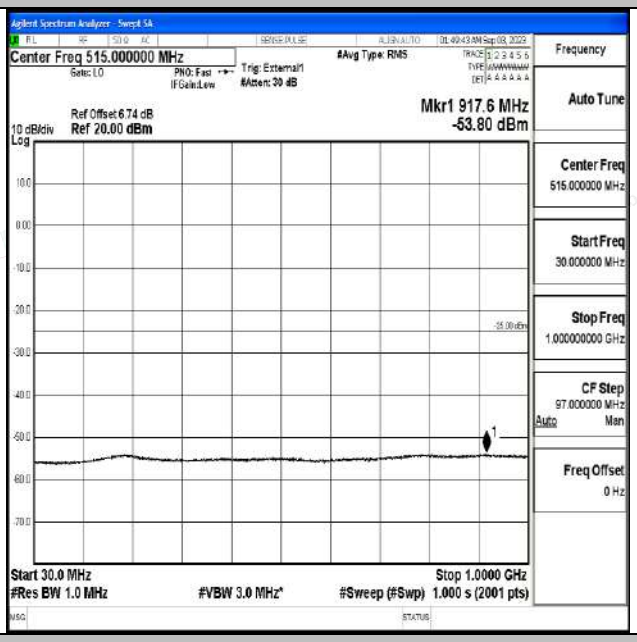
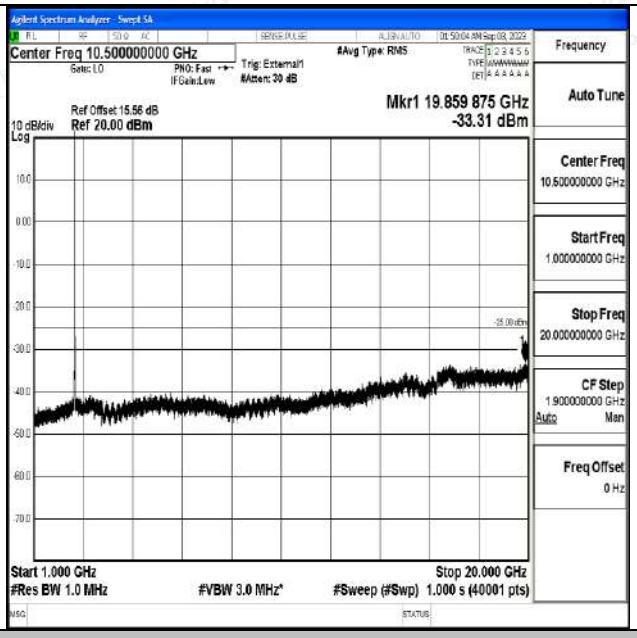


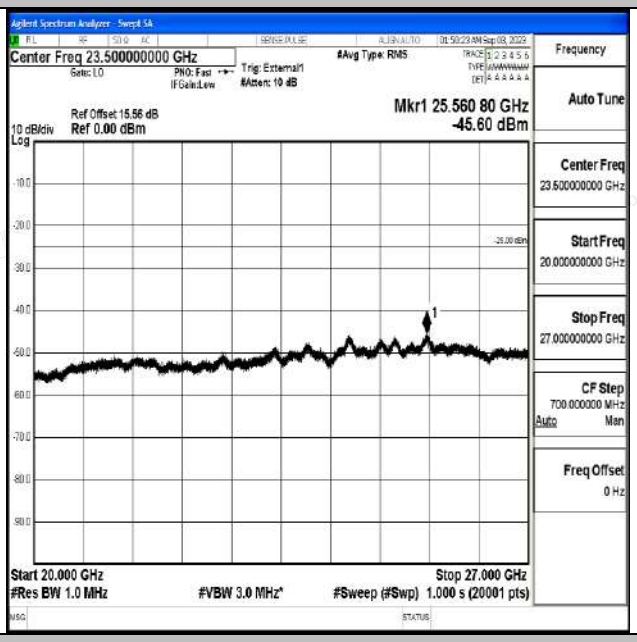
Band38_10MHz_16QAM_37800_1RB#0_0.15~30_0.15~30



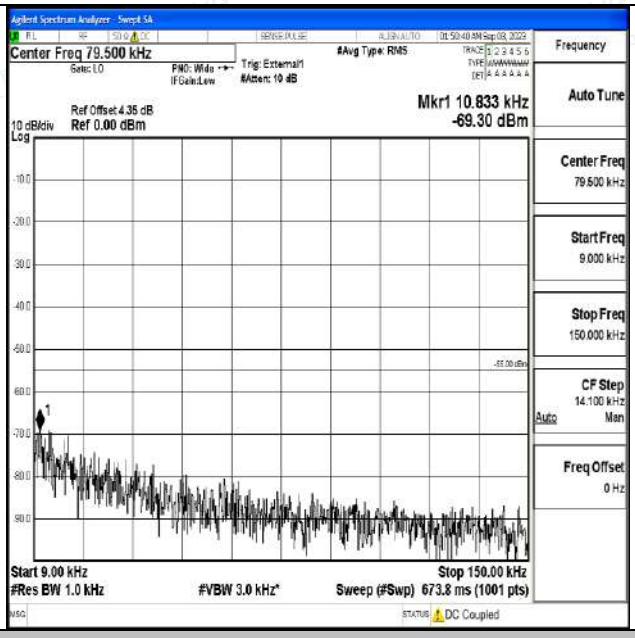
Band38_10MHz_16QAM_37800_1RB#0_30~1000_30~1000



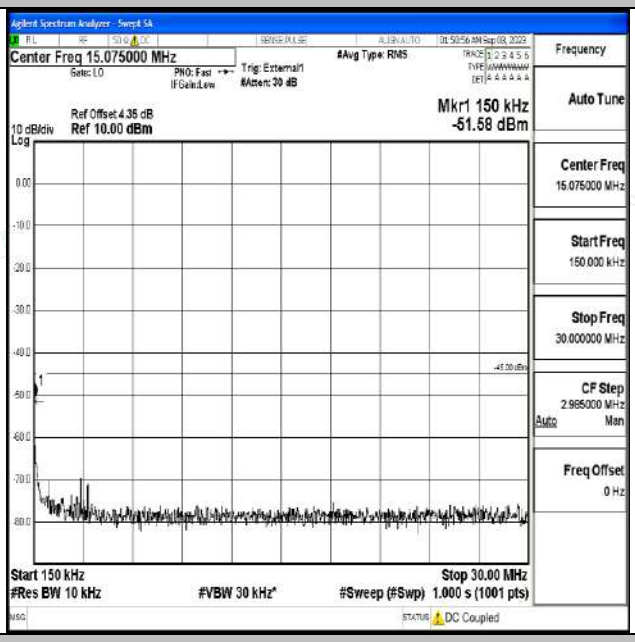
Band38_10MHz_16QAM_37800_1RB#0_1000~20000_1000~20000



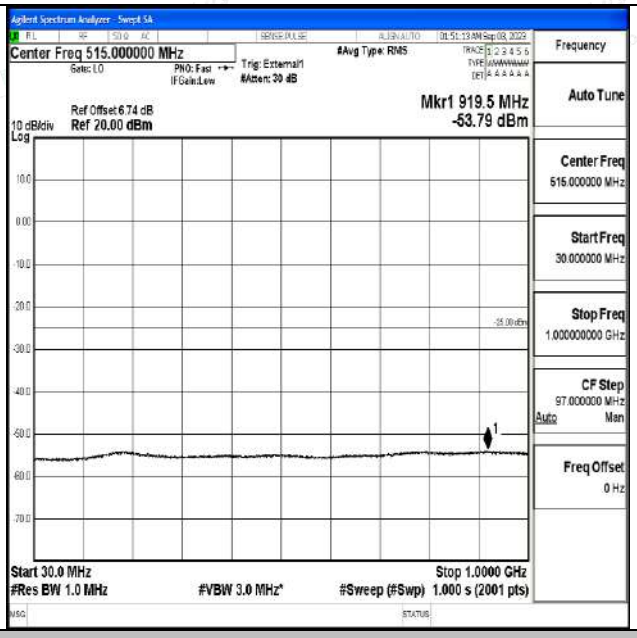
Band38_10MHz_16QAM_37800_1RB#0_20000~27000_20000~27000



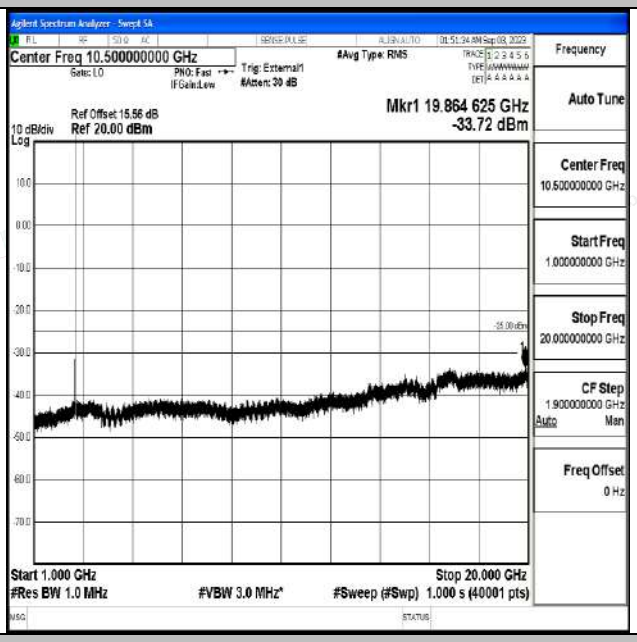
Band38_10MHz_QPSK_38000_1RB#0_0.009~0.15_0.009~0.15



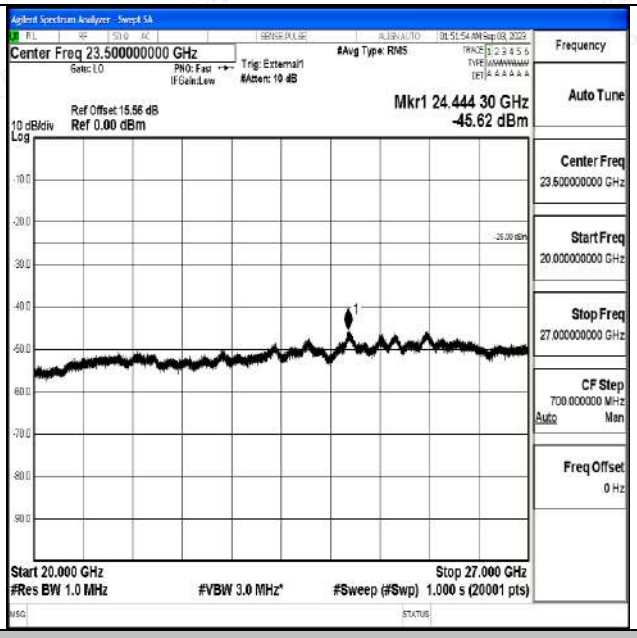
Band38_10MHz_QPSK_38000_1RB#0_0.15~30_0.15~30



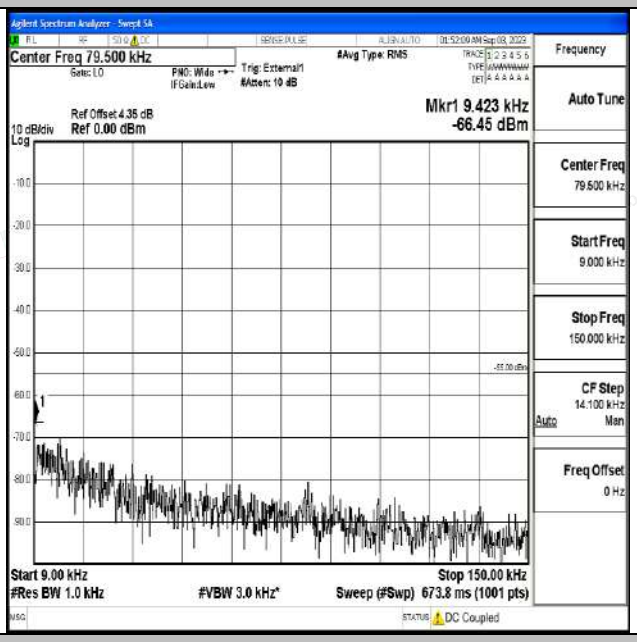
Band38_10MHz_QPSK_38000_1RB#0_30~1000_30~1000



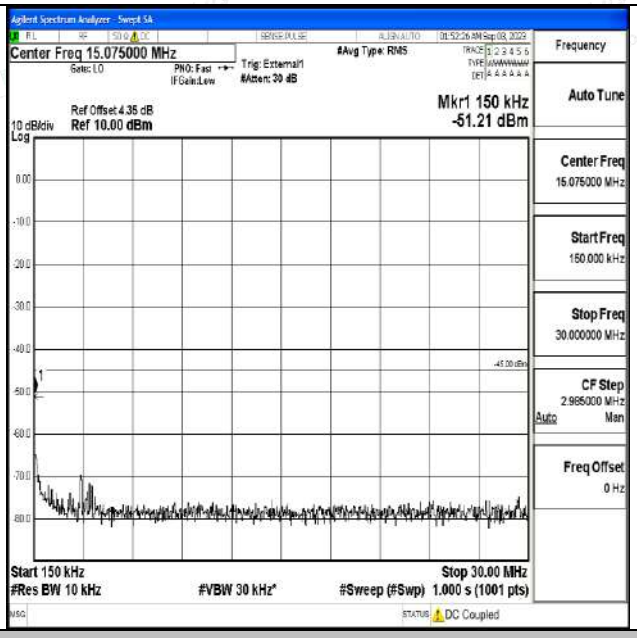
Band38_10MHz_QPSK_38000_1RB#0_1000~20000_1000~20000



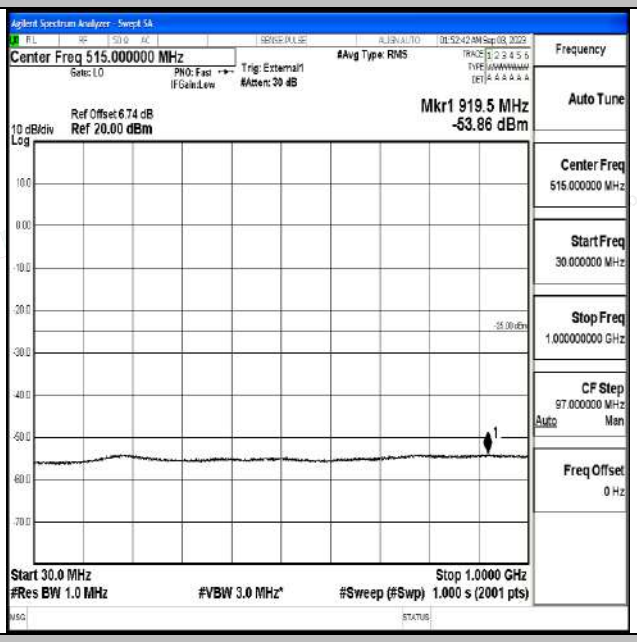
Band38_10MHz_QPSK_38000_1RB#0_20000~27000_20000~27000



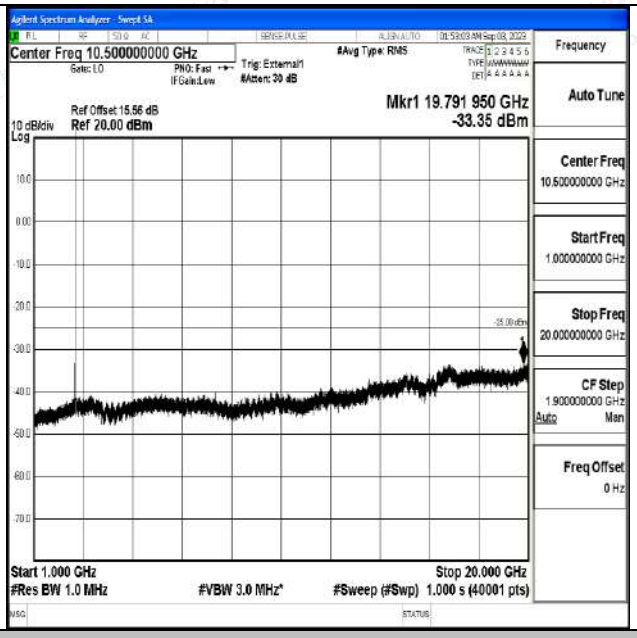
Band38_10MHz_16QAM_38000_1RB#0_0.009~0.15_0.009~0.15



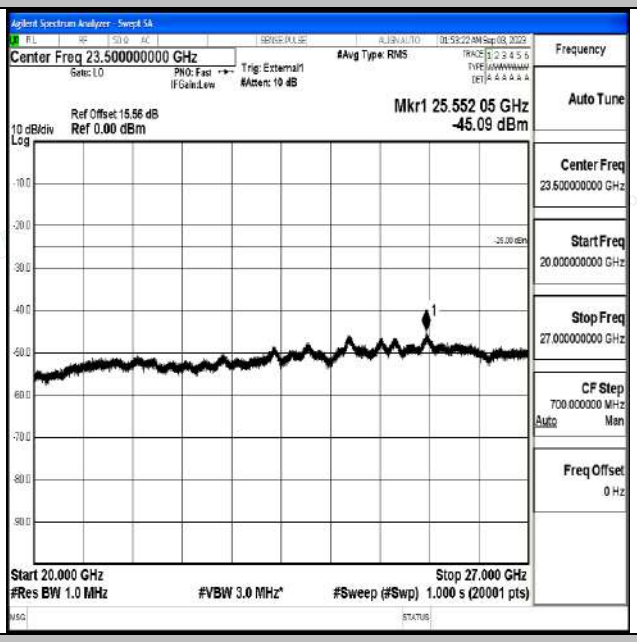
Band38_10MHz_16QAM_38000_1RB#0_0.15~30_0.15~30



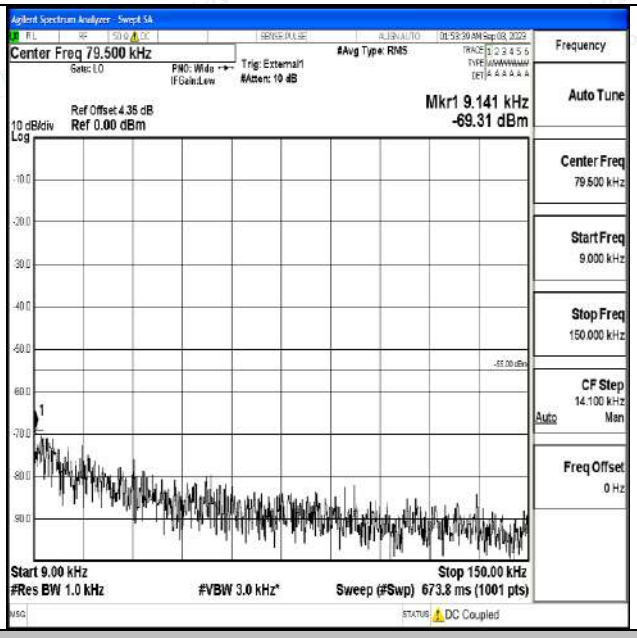
Band38_10MHz_16QAM_38000_1RB#0_30~1000_30~1000



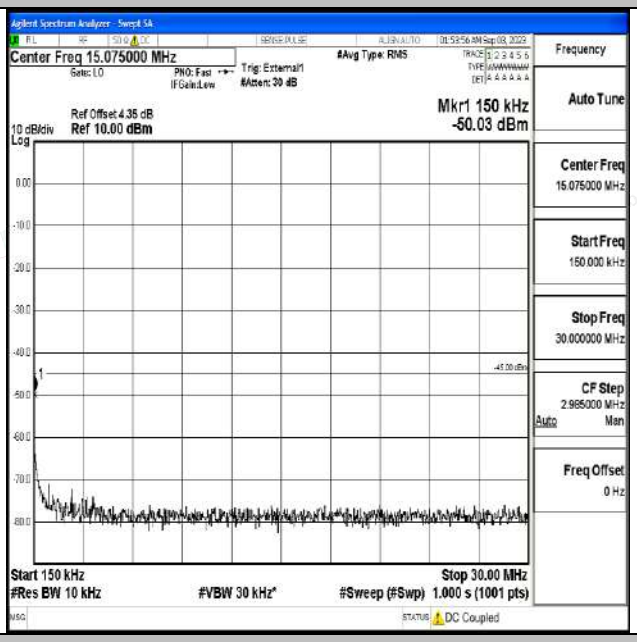
Band38_10MHz_16QAM_38000_1RB#0_1000~20000_1000~20000



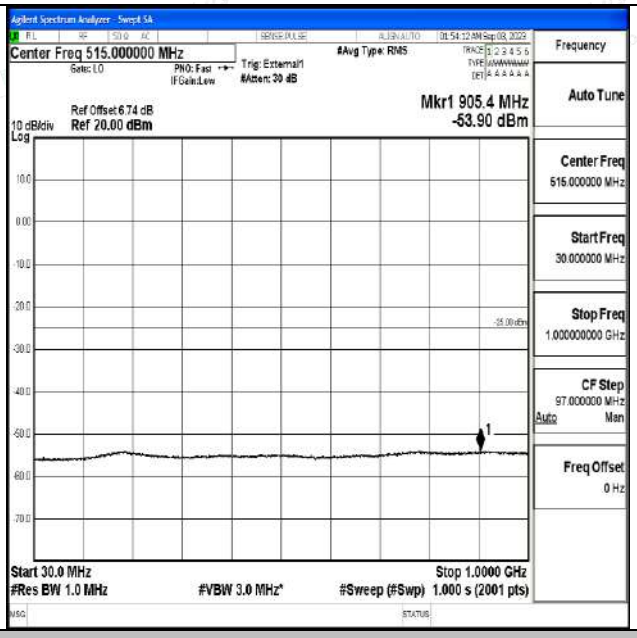
Band38_10MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



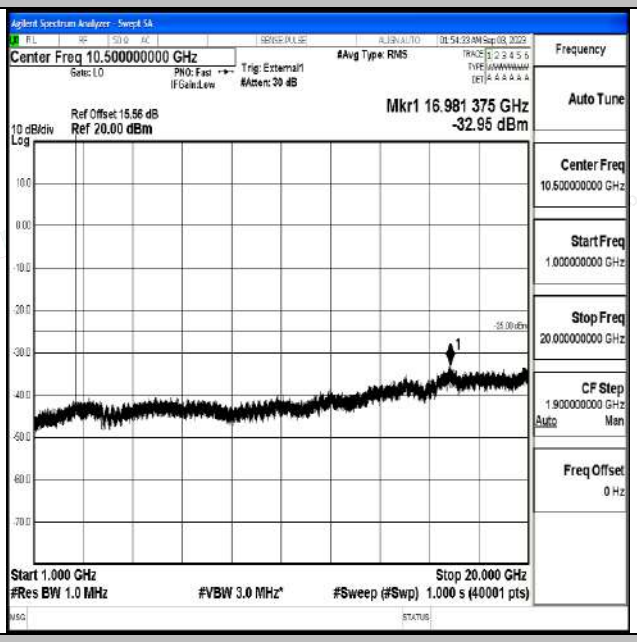
Band38_10MHz_QPSK_38200_1RB#0_0.009~0.15_0.009~0.15



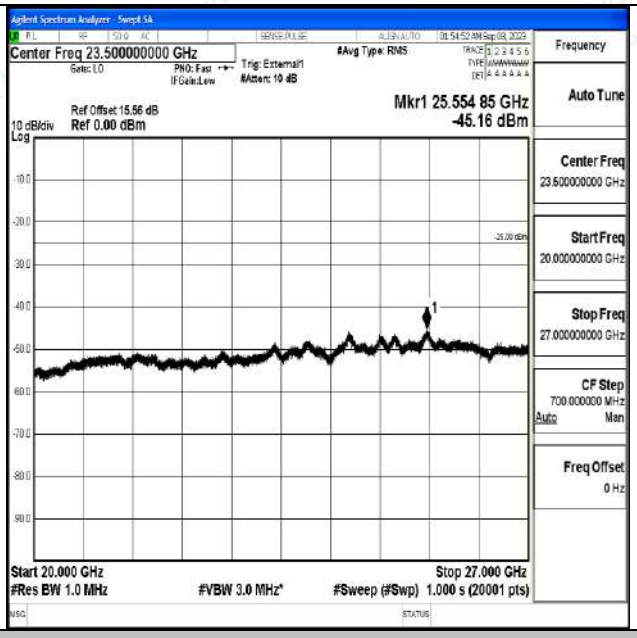
Band38_10MHz_QPSK_38200_1RB#0_0.15~30_0.15~30



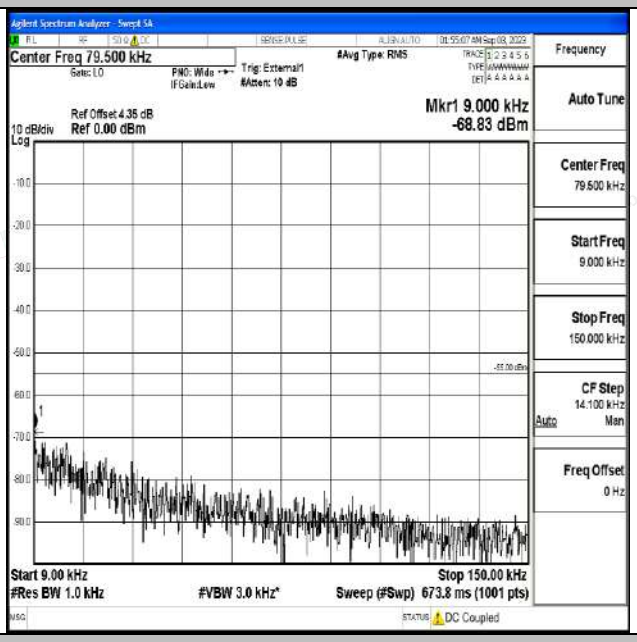
Band38_10MHz_QPSK_38200_1RB#0_30~1000_30~1000



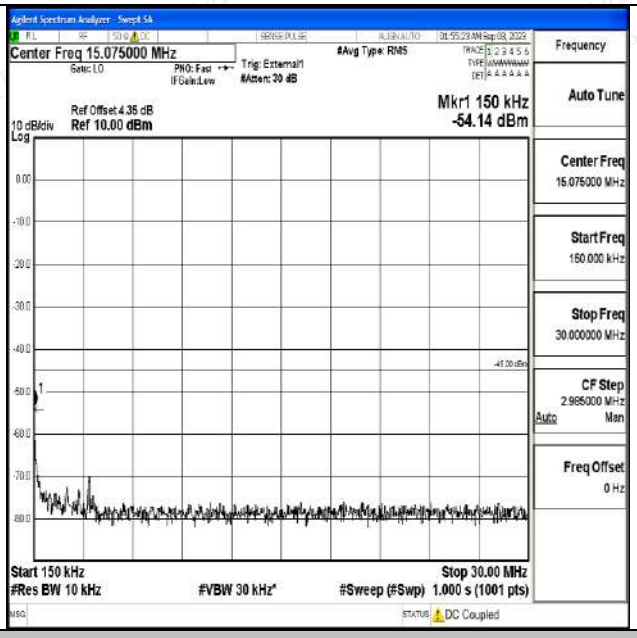
Band38_10MHz_QPSK_38200_1RB#0_1000~20000_1000~20000



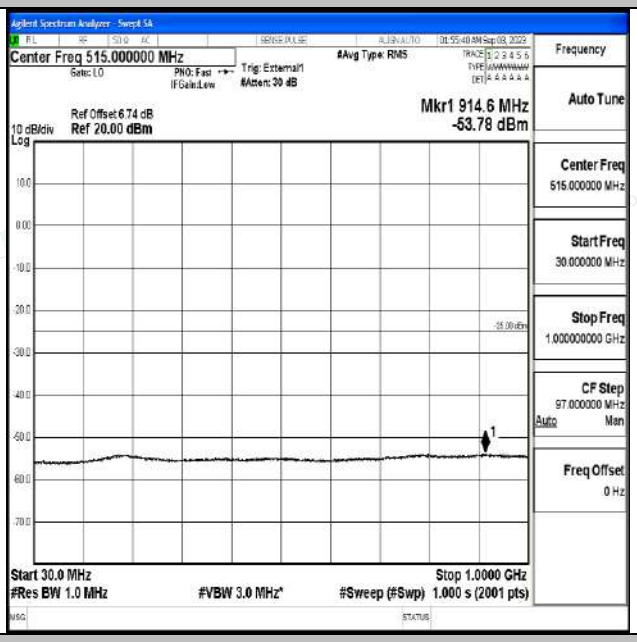
Band38_10MHz_QPSK_38200_1RB#0_20000~27000_20000~27000



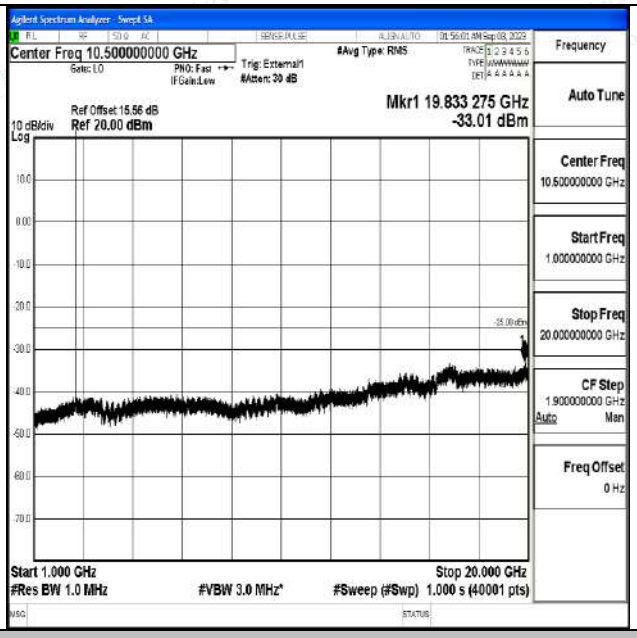
Band38_10MHz_16QAM_38200_1RB#0_0.009~0.15_0.009~0.15



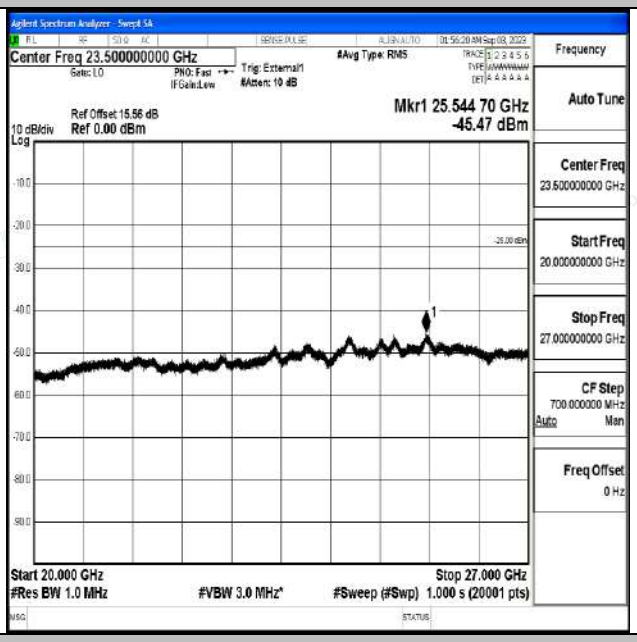
Band38_10MHz_16QAM_38200_1RB#0_0.15~30_0.15~30



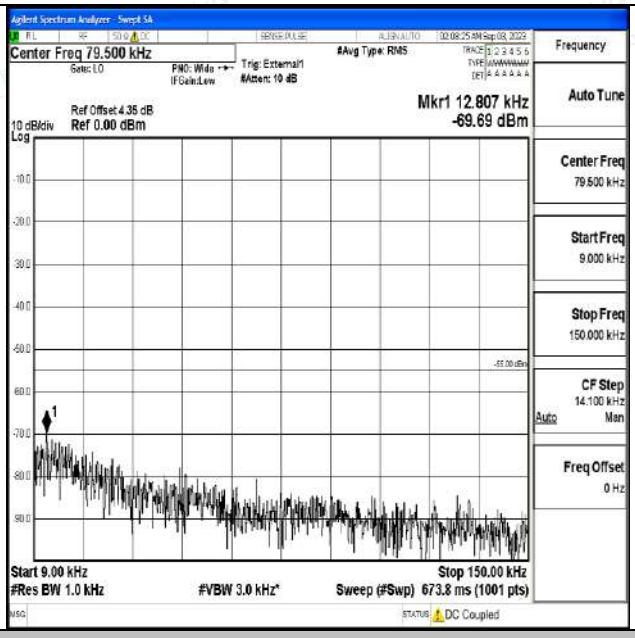
Band38_10MHz_16QAM_38200_1RB#0_30~1000_30~1000



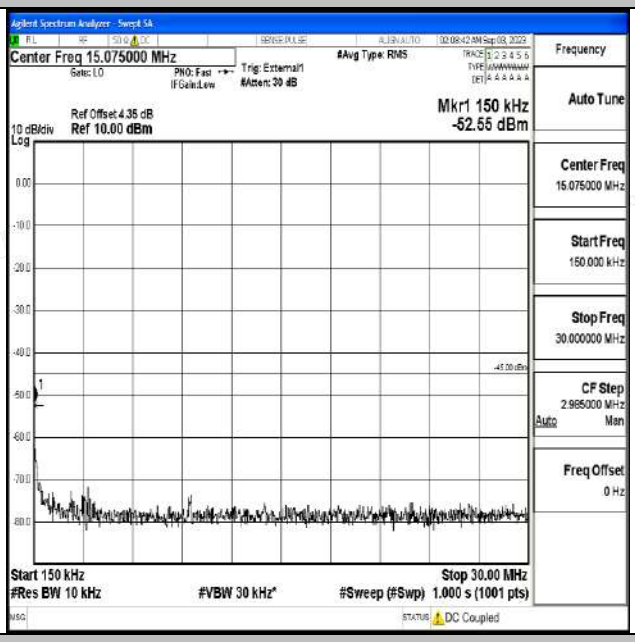
Band38_10MHz_16QAM_38200_1RB#0_1000~20000_1000~20000



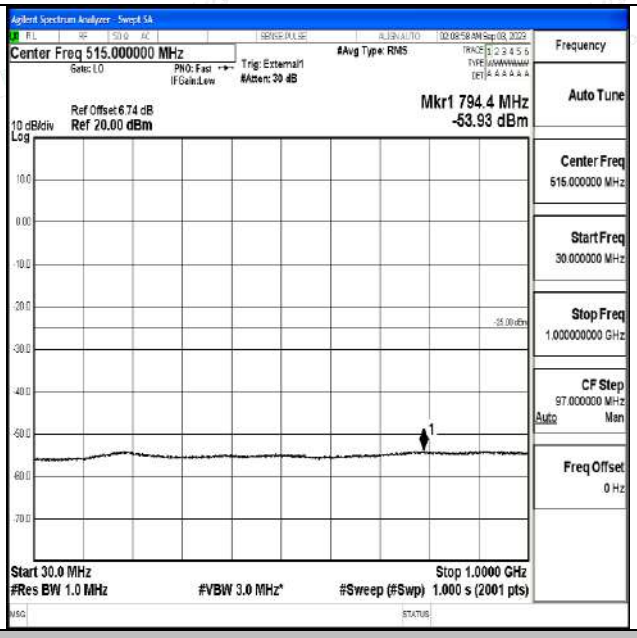
Band38_10MHz_16QAM_38200_1RB#0_20000~27000_20000~27000



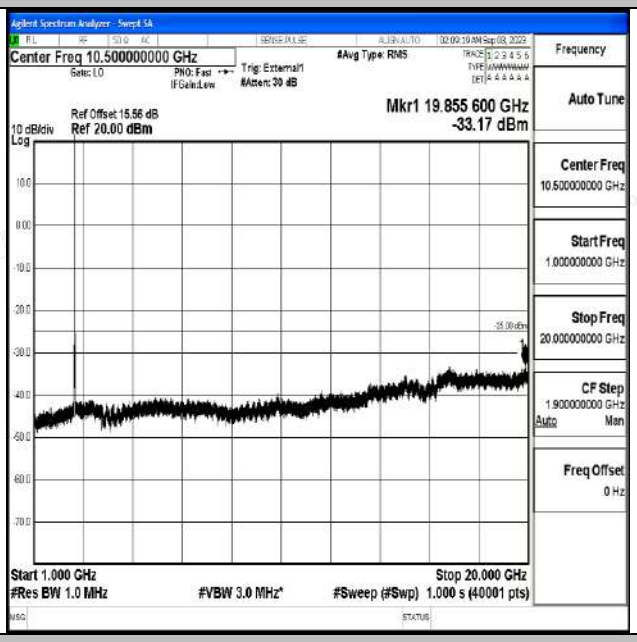
Band38_15MHz_QPSK_37825_1RB#0_0.009~0.15_0.009~0.15



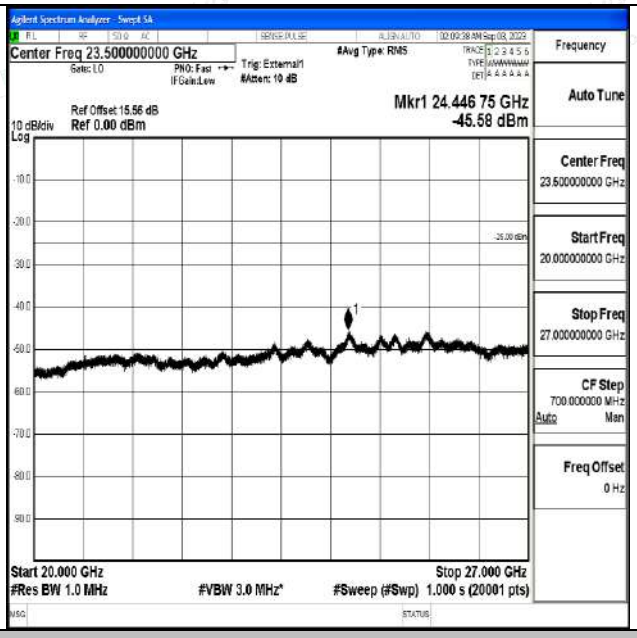
Band38_15MHz_QPSK_37825_1RB#0_0.15~30_0.15~30



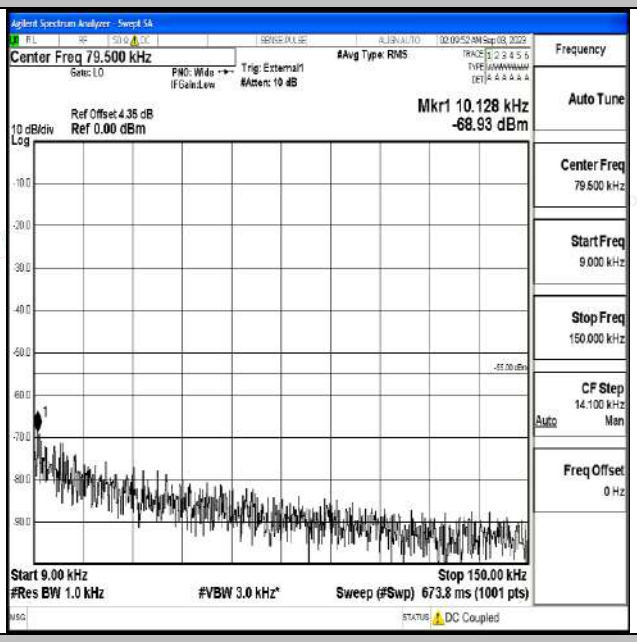
Band38_15MHz_QPSK_37825_1RB#0_30~1000_30~1000



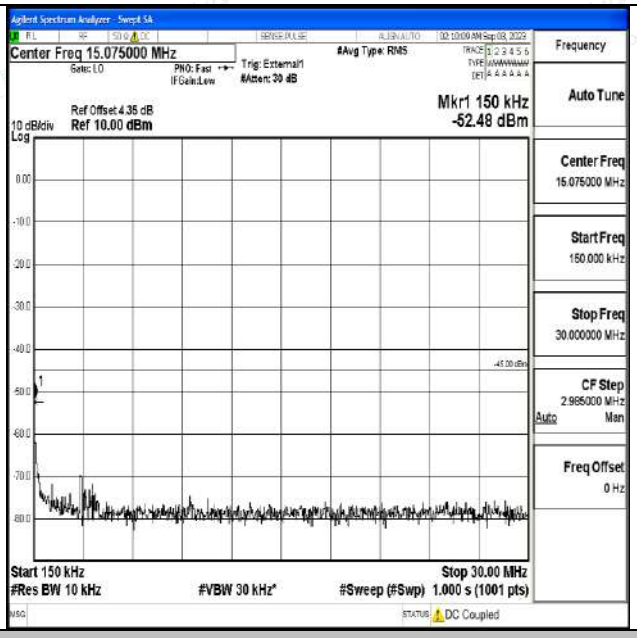
Band38_15MHz_QPSK_37825_1RB#0_1000~20000_1000~20000



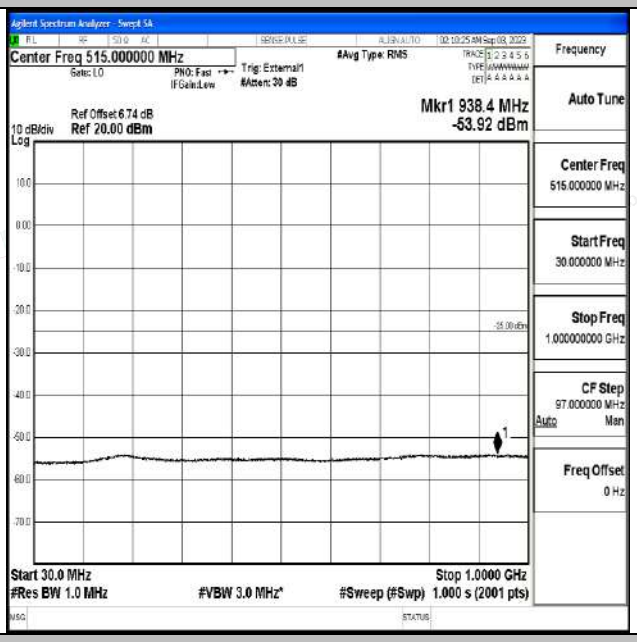
Band38_15MHz_QPSK_37825_1RB#0_20000~27000_20000~27000



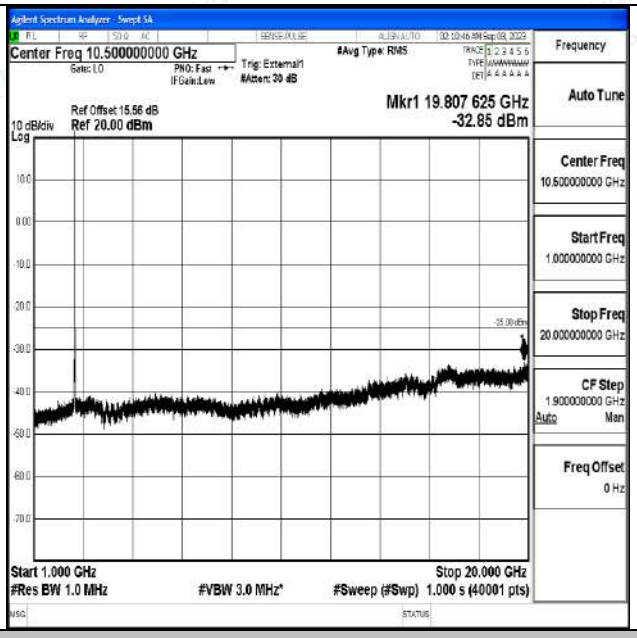
Band38_15MHz_16QAM_37825_1RB#0_0.009~0.15_0.009~0.15



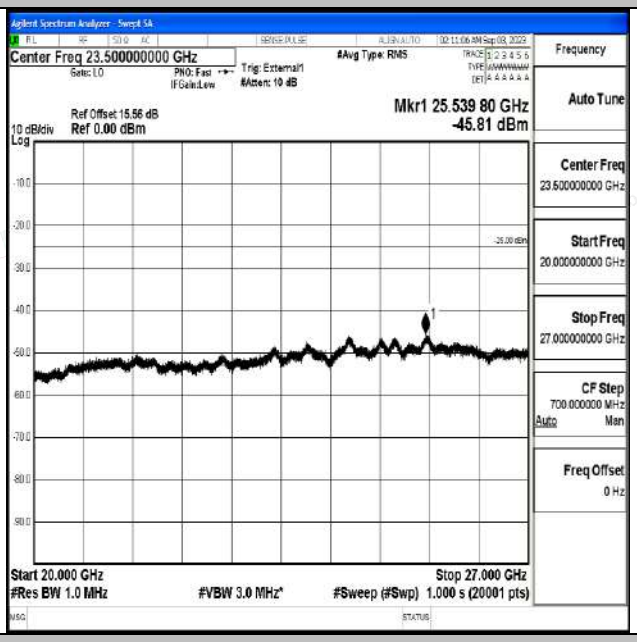
Band38_15MHz_16QAM_37825_1RB#0_0.15~30_0.15~30



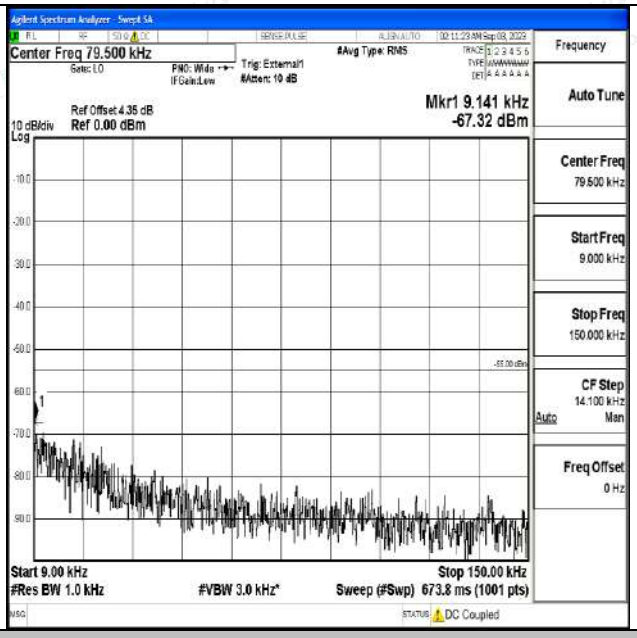
Band38_15MHz_16QAM_37825_1RB#0_30~1000_30~1000



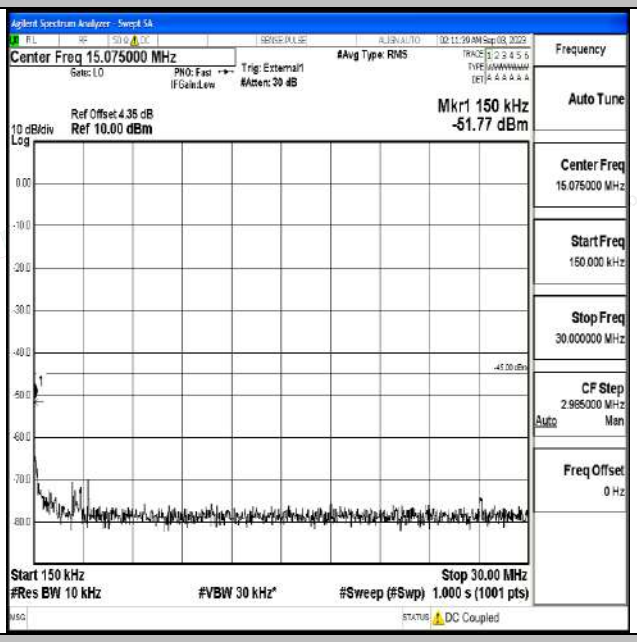
Band38_15MHz_16QAM_37825_1RB#0_1000~20000_1000~20000



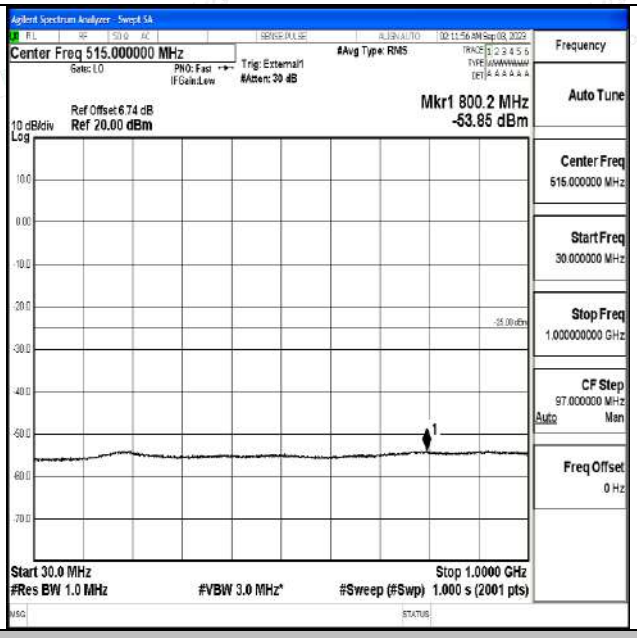
Band38_15MHz_16QAM_37825_1RB#0_20000~27000_20000~27000



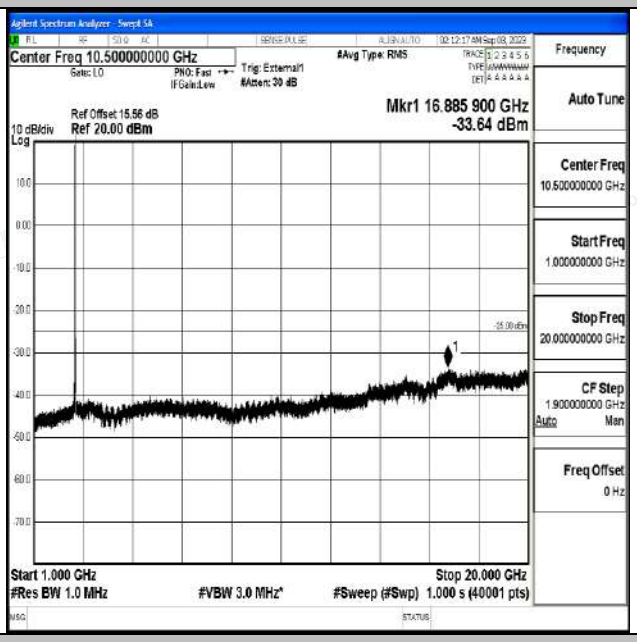
Band38_15MHz_QPSK_38000_1RB#0_0.009~0.15_0.009~0.15



Band38_15MHz_QPSK_38000_1RB#0_0.15~30_0.15~30



Band38_15MHz_QPSK_38000_1RB#0_30~1000_30~1000



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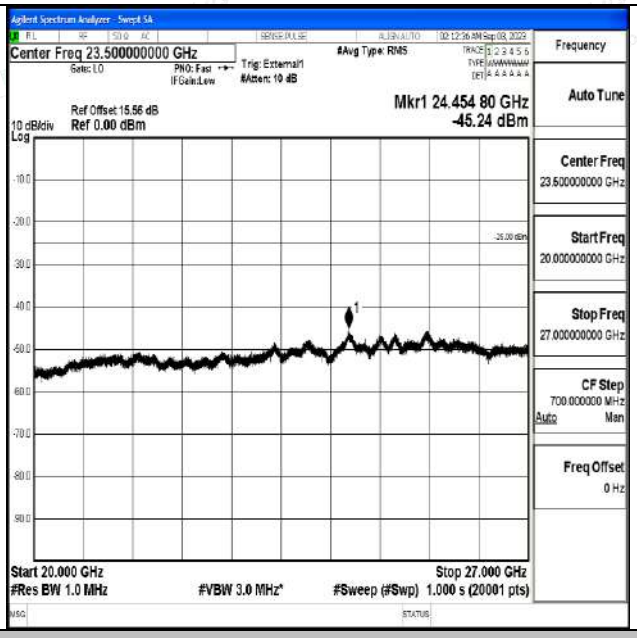
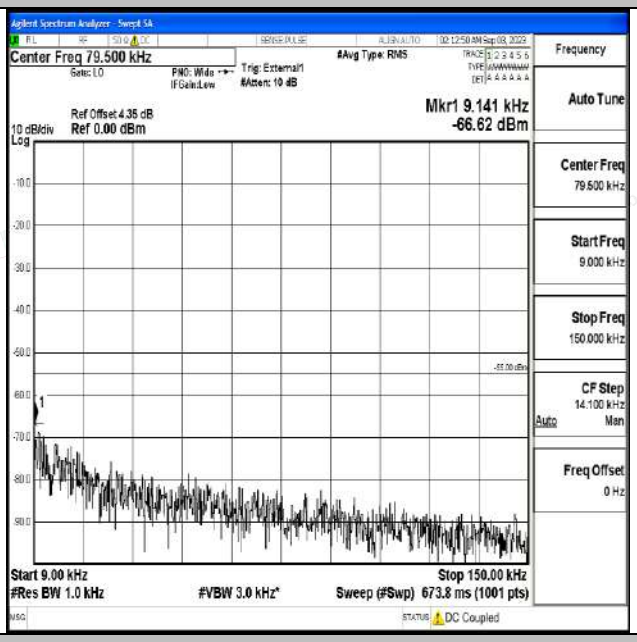
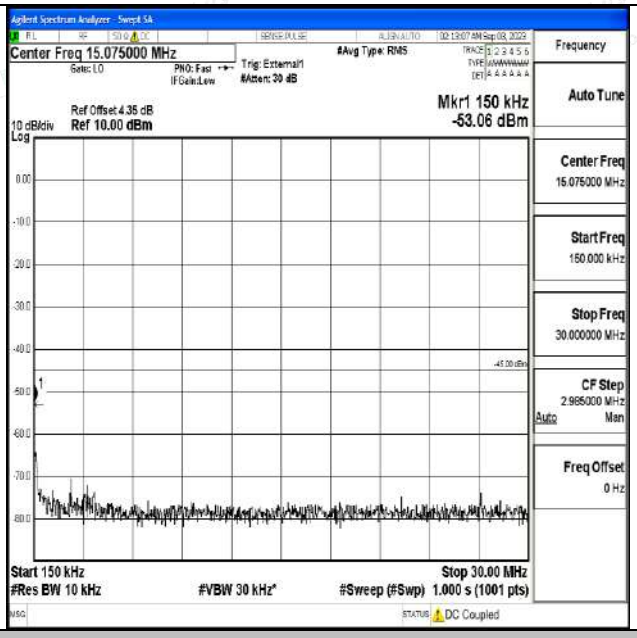


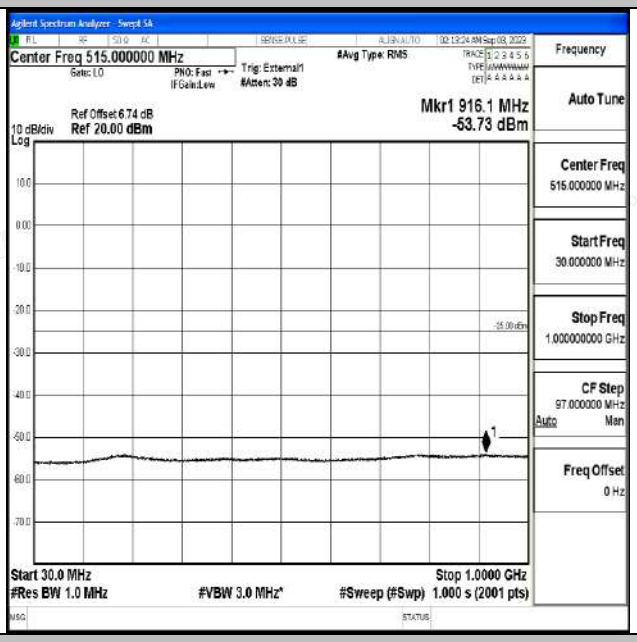
Band38_15MHz_QPSK_38000_1RB#0_20000~27000_20000~27000



Band38_15MHz_16QAM_38000_1RB#0_0.009~0.15_0.009~0.15



Band38_15MHz_16QAM_38000_1RB#0_0.15~30_0.15~30



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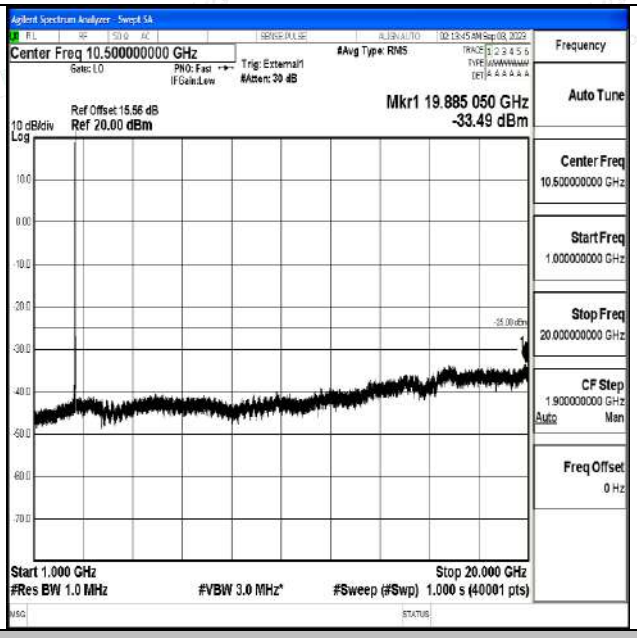

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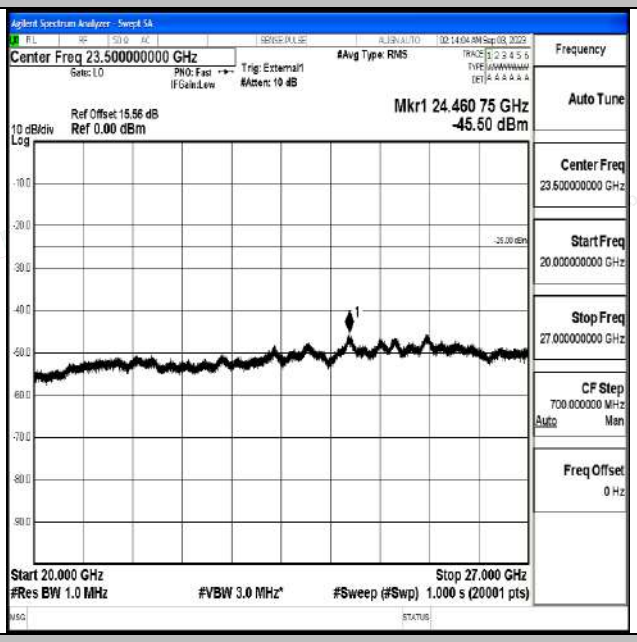
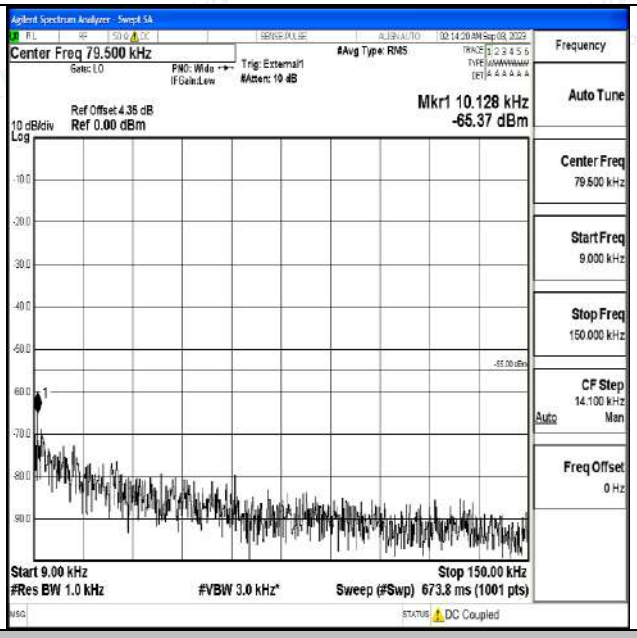
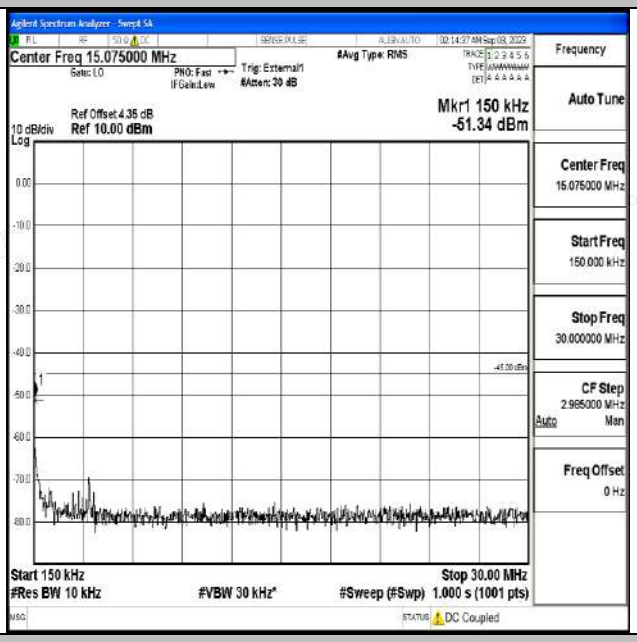


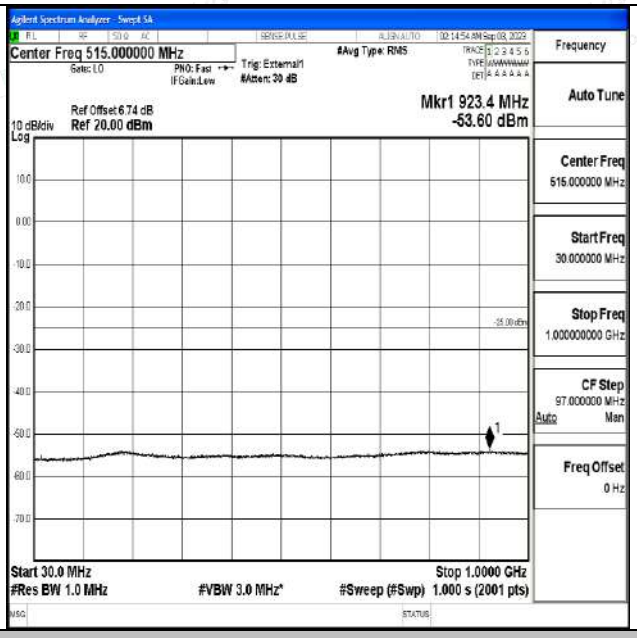
Band38_15MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



Band38_15MHz_QPSK_38175_1RB#0_0.009~0.15_0.009~0.15



Band38_15MHz_QPSK_38175_1RB#0_0.15~30_0.15~30



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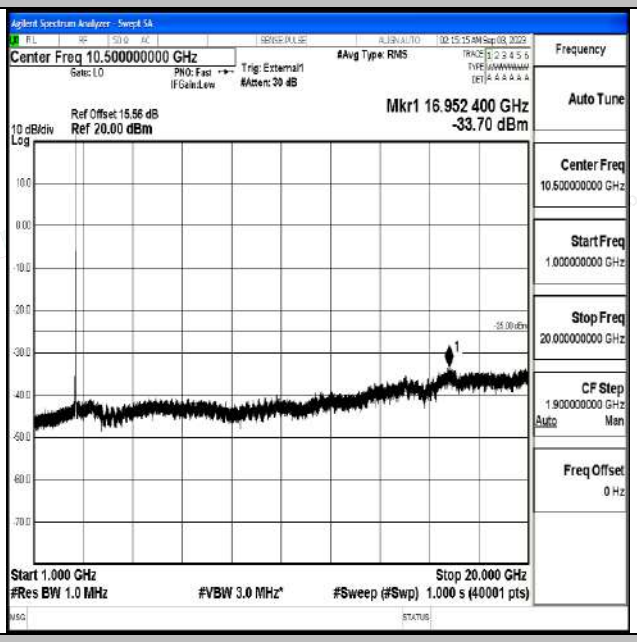
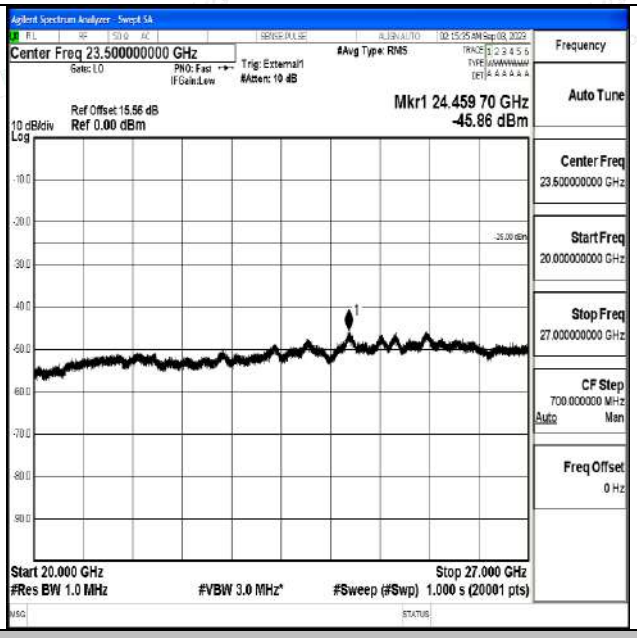
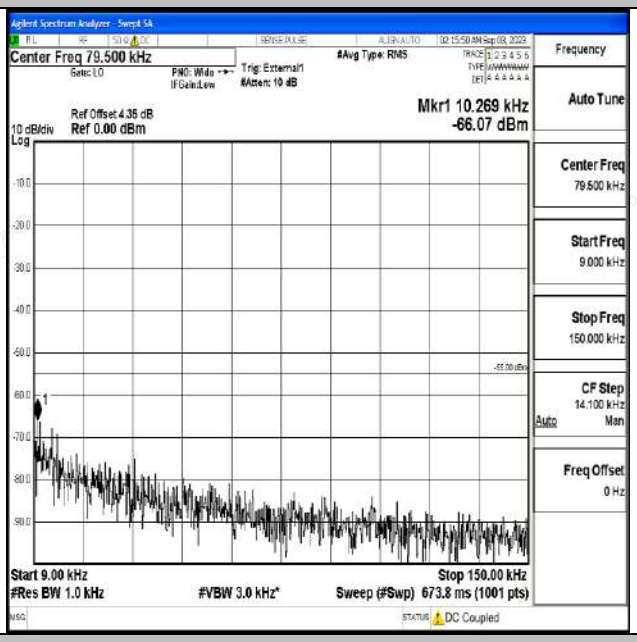


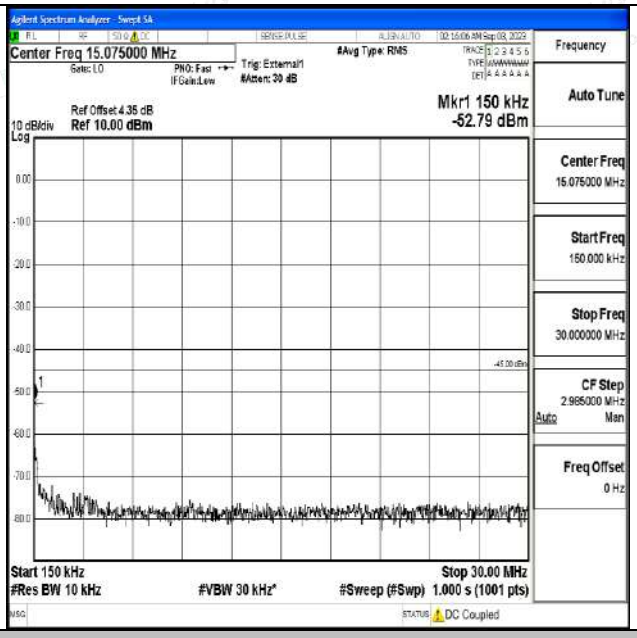
Band38_15MHz_QPSK_38175_1RB#0_1000~20000_1000~20000



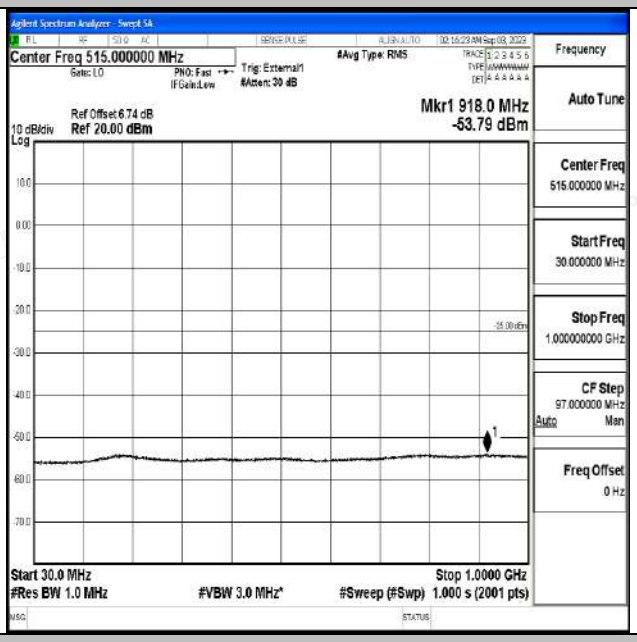
Band38_15MHz_QPSK_38175_1RB#0_20000~27000_20000~27000



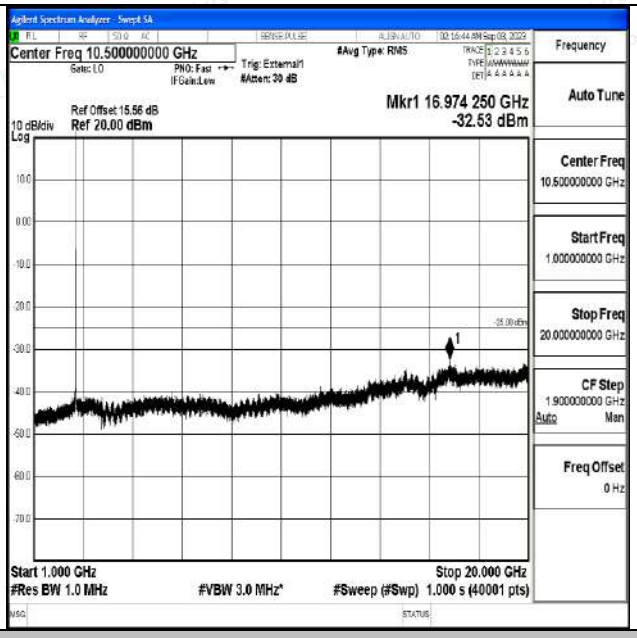
Band38_15MHz_16QAM_38175_1RB#0_0.009~0.15_0.009~0.15



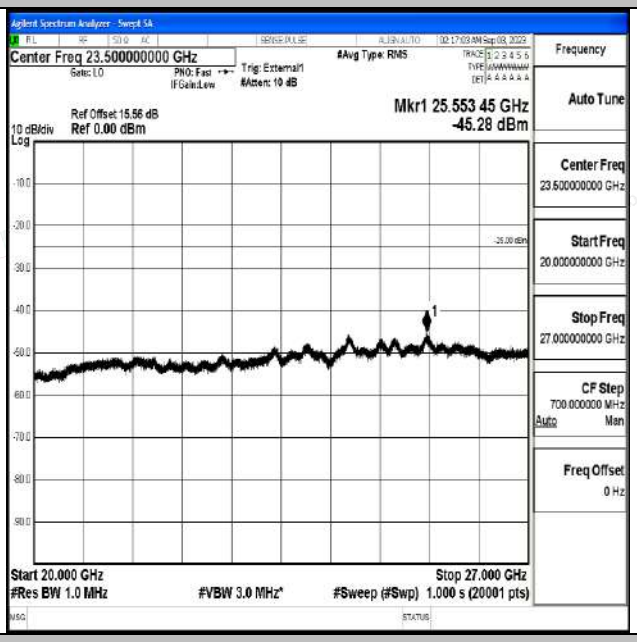
Band38_15MHz_16QAM_38175_1RB#0_0.15~30_0.15~30



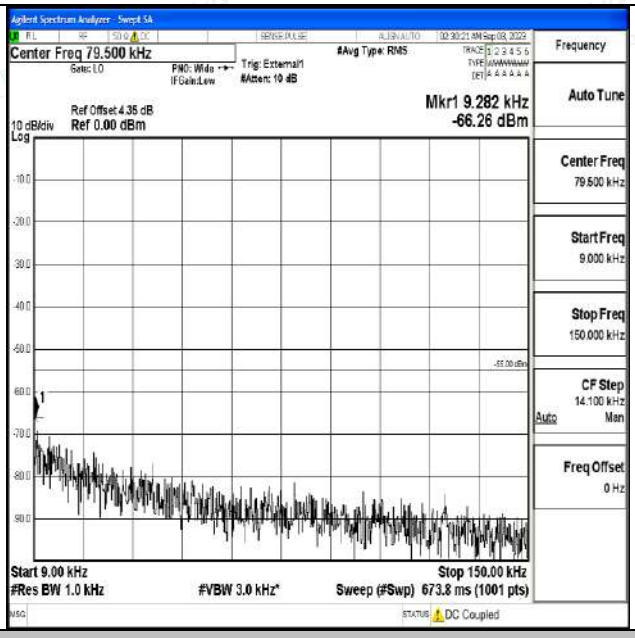
Band38_15MHz_16QAM_38175_1RB#0_30~1000_30~1000



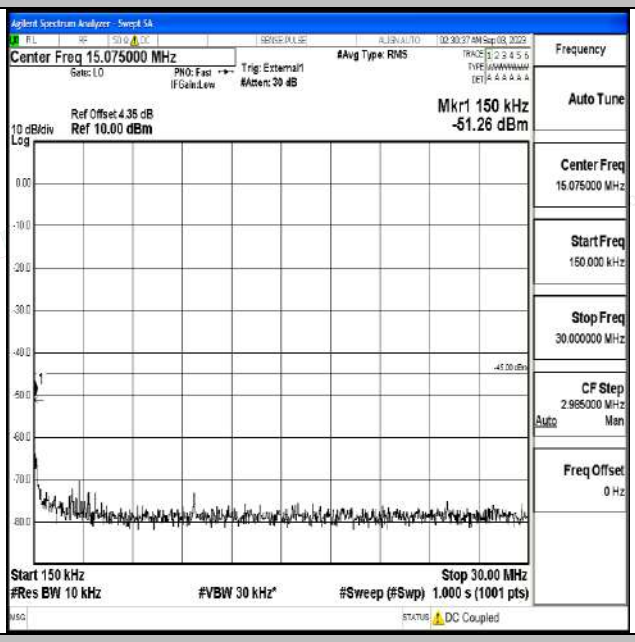
Band38_15MHz_16QAM_38175_1RB#0_1000~20000_1000~20000



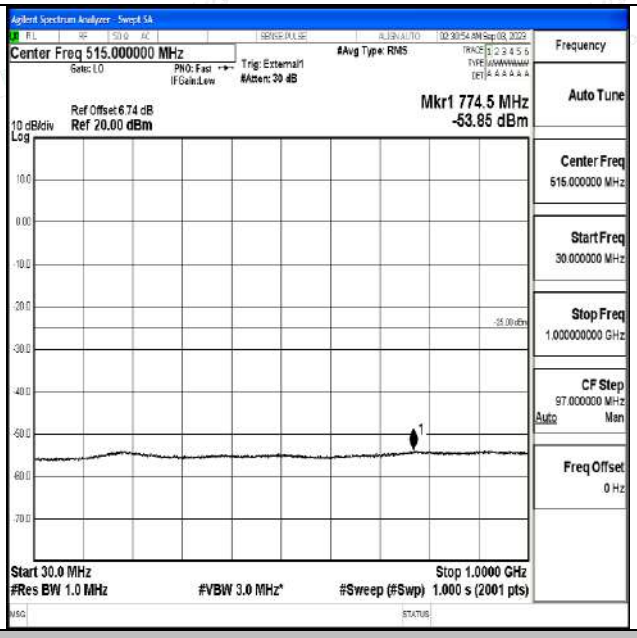
Band38_15MHz_16QAM_38175_1RB#0_20000~27000_20000~27000



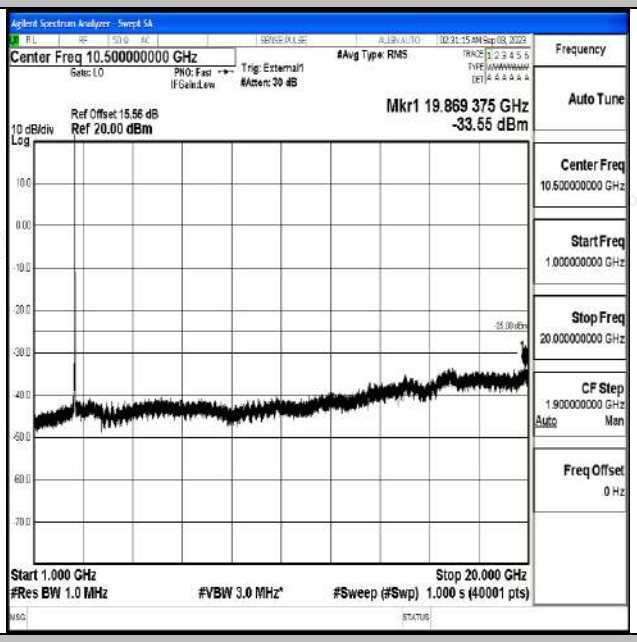
Band38_20MHz_QPSK_37850_1RB#0_0.009~0.15_0.009~0.15



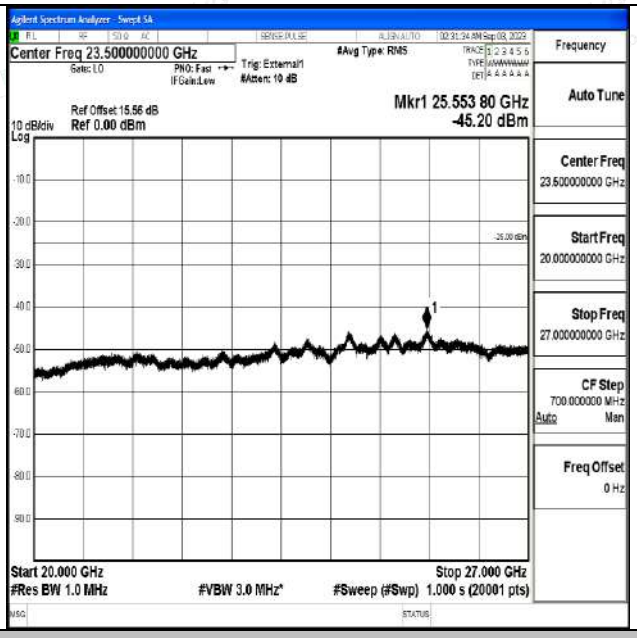
Band38_20MHz_QPSK_37850_1RB#0_0.15~30_0.15~30



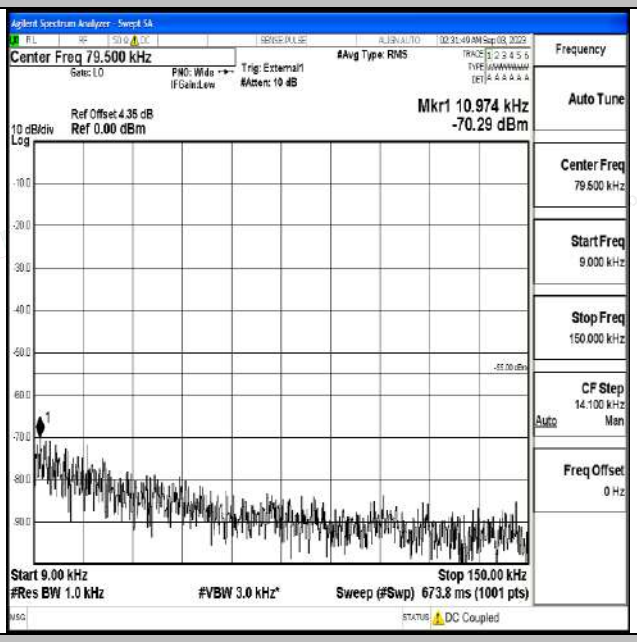
Band38_20MHz_QPSK_37850_1RB#0_30~1000_30~1000



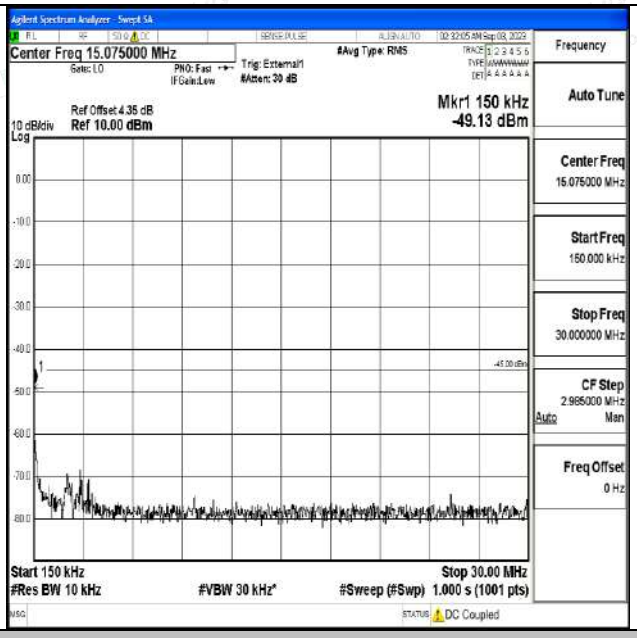
Band38_20MHz_QPSK_37850_1RB#0_1000~20000_1000~20000



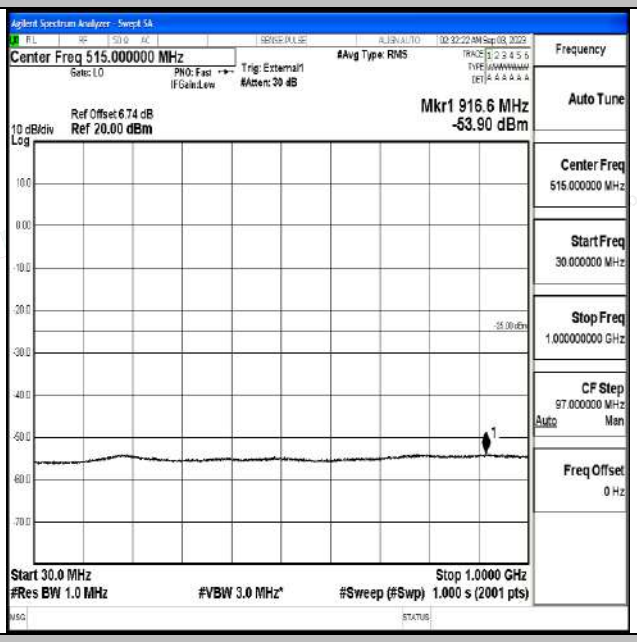
Band38_20MHz_QPSK_37850_1RB#0_20000~27000_20000~27000



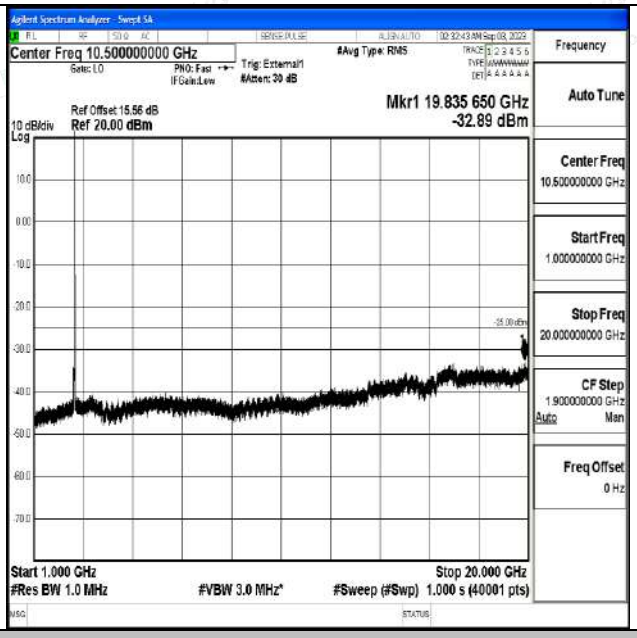
Band38_20MHz_16QAM_37850_1RB#0_0.009~0.15_0.009~0.15



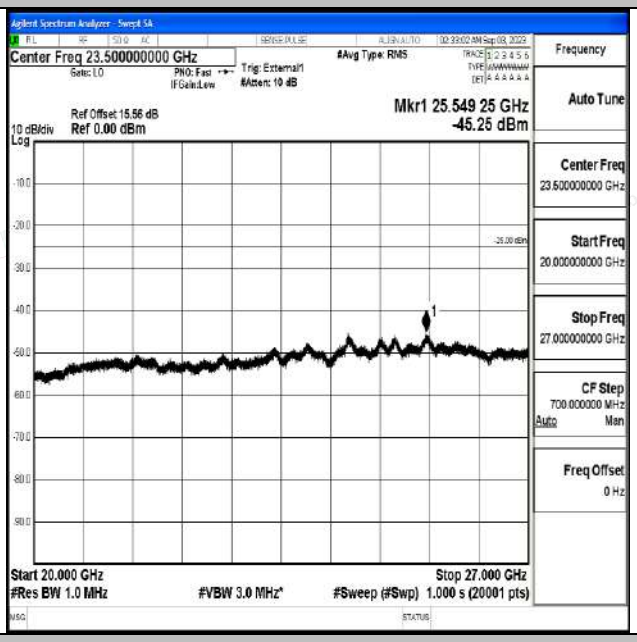
Band38_20MHz_16QAM_37850_1RB#0_0.15~30_0.15~30



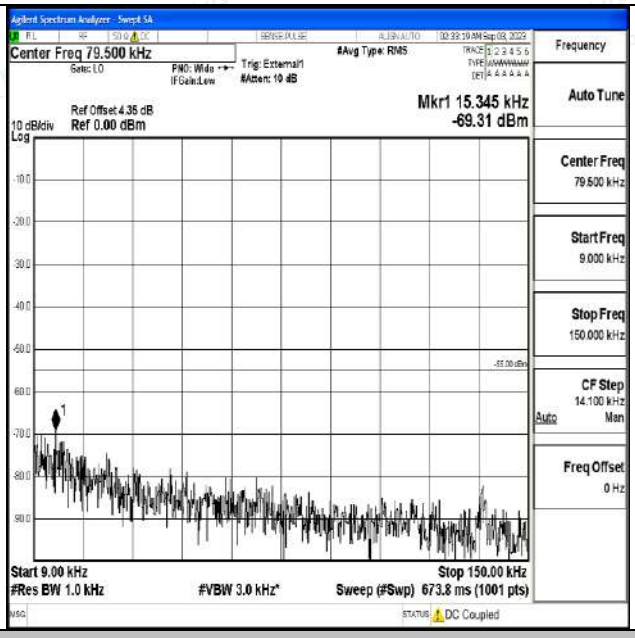
Band38_20MHz_16QAM_37850_1RB#0_30~1000_30~1000



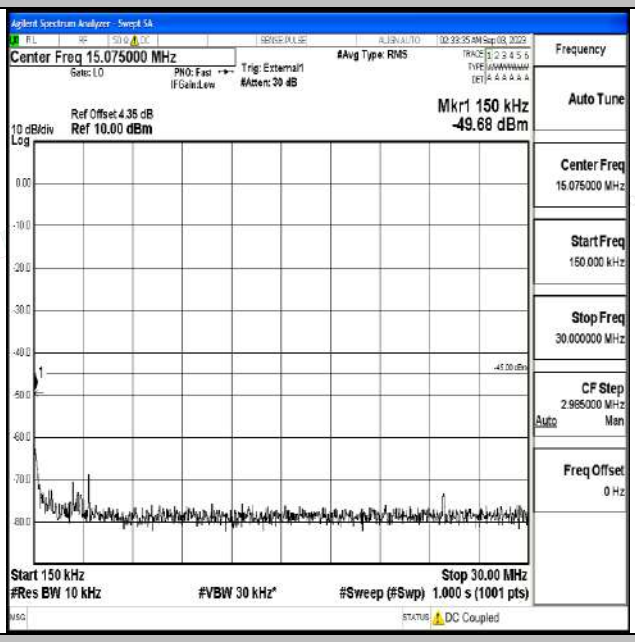
Band38_20MHz_16QAM_37850_1RB#0_1000~20000_1000~20000



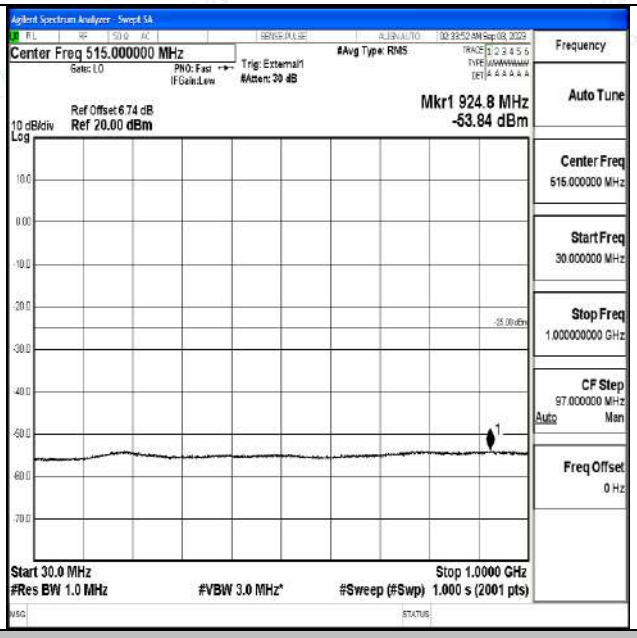
Band38_20MHz_16QAM_37850_1RB#0_20000~27000_20000~27000



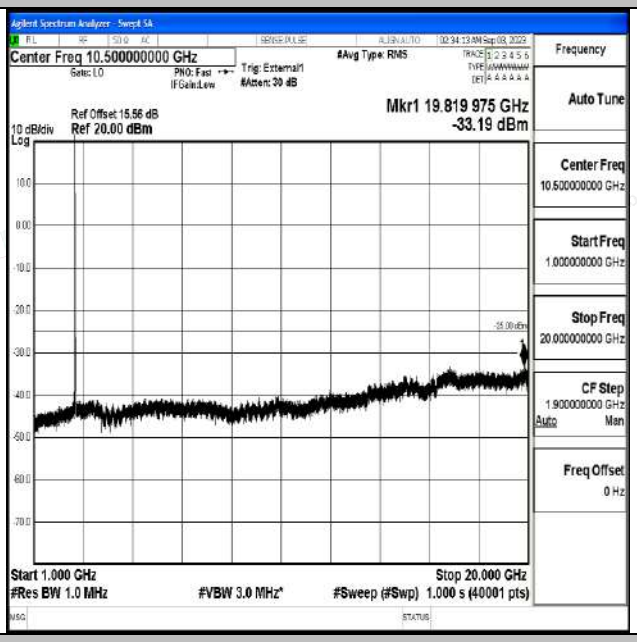
Band38_20MHz_QPSK_38000_1RB#0_0.009~0.15_0.009~0.15



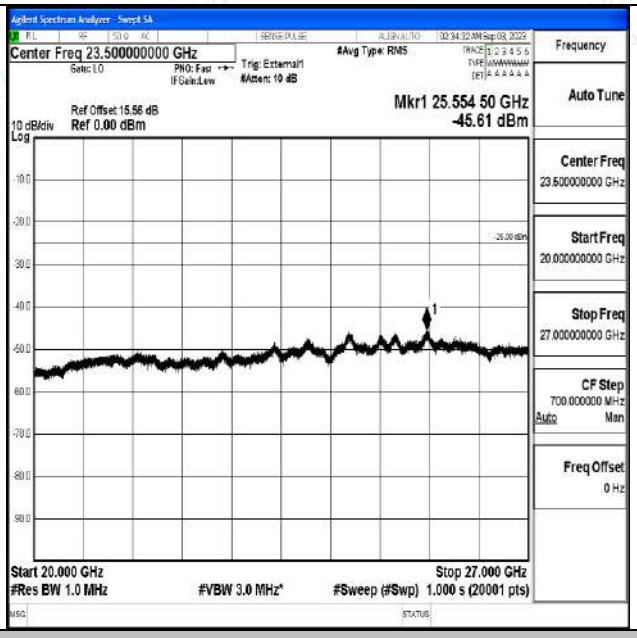
Band38_20MHz_QPSK_38000_1RB#0_0.15~30_0.15~30



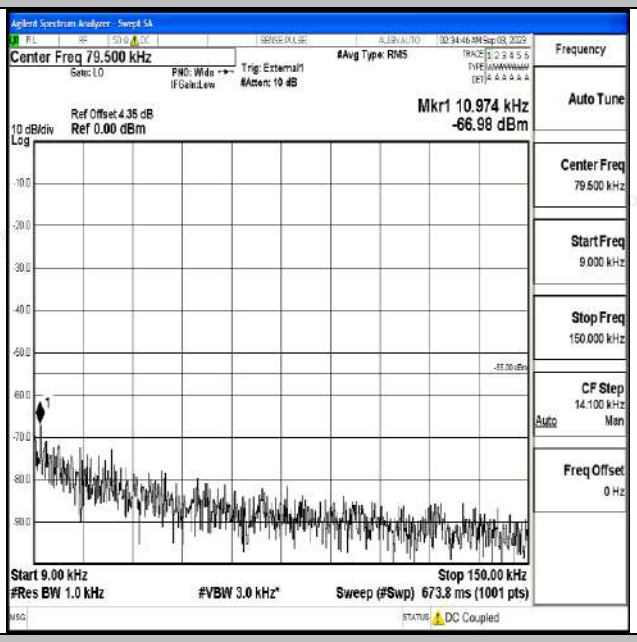
Band38_20MHz_QPSK_38000_1RB#0_30~1000_30~1000



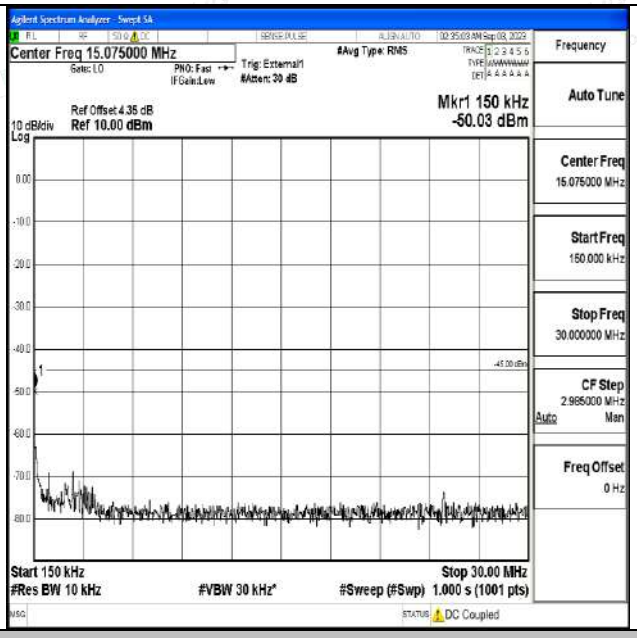
Band38_20MHz_QPSK_38000_1RB#0_1000~20000_1000~20000



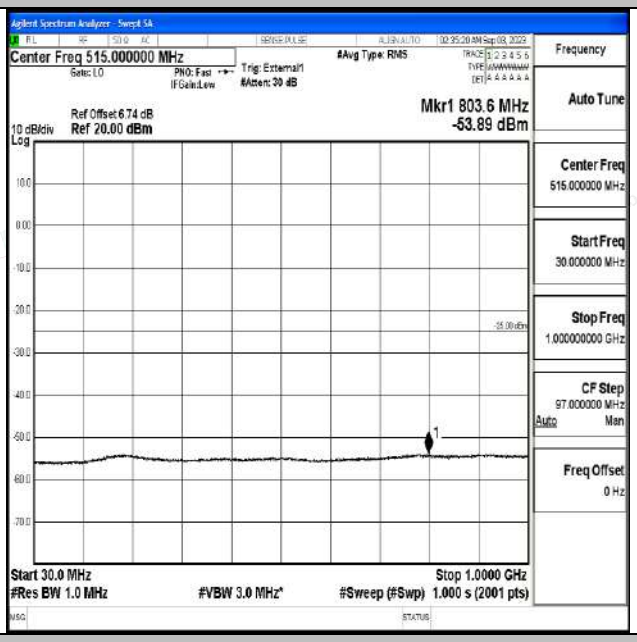
Band38_20MHz_QPSK_38000_1RB#0_20000~27000_20000~27000



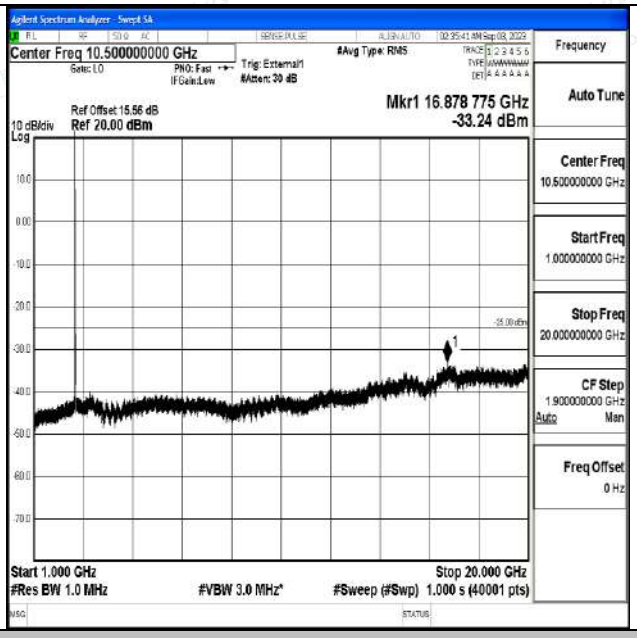
Band38_20MHz_16QAM_38000_1RB#0_0.009~0.15_0.009~0.15



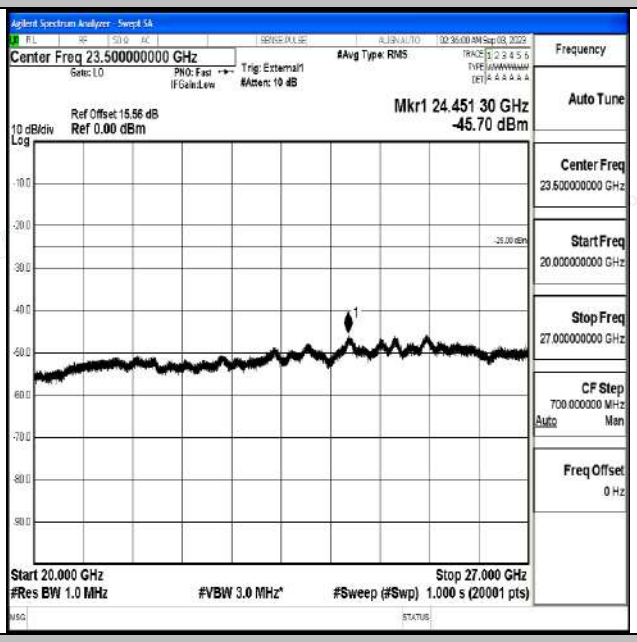
Band38_20MHz_16QAM_38000_1RB#0_0.15~30_0.15~30



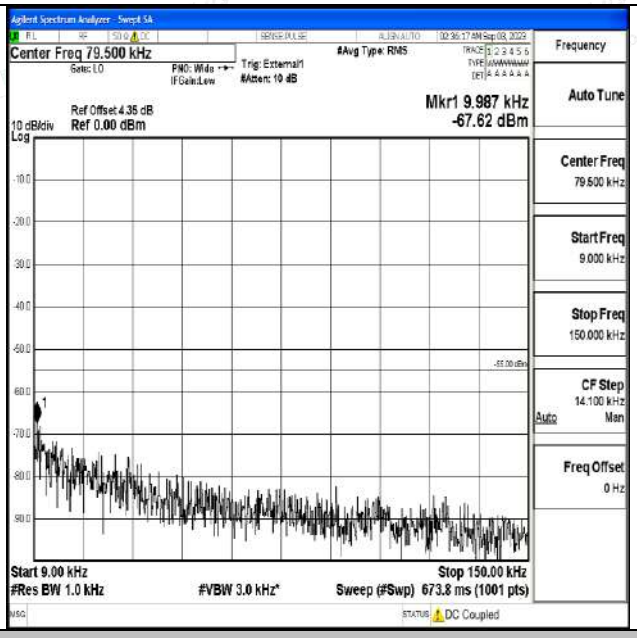
Band38_20MHz_16QAM_38000_1RB#0_30~1000_30~1000



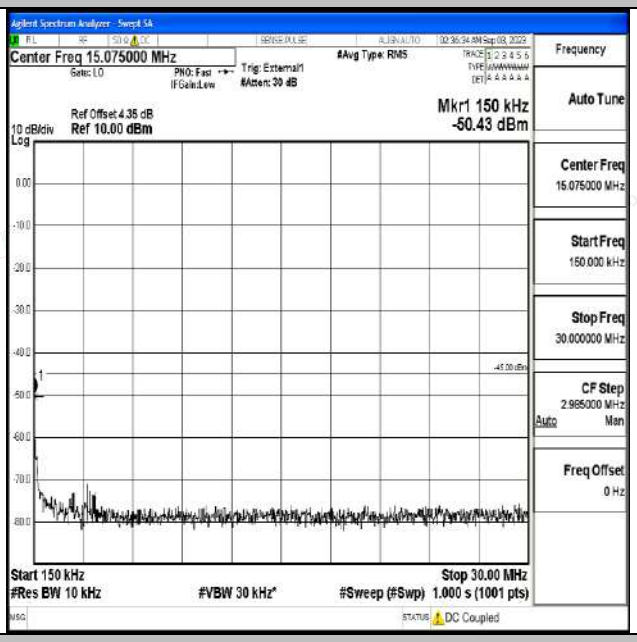
Band38_20MHz_16QAM_38000_1RB#0_1000~20000_1000~20000



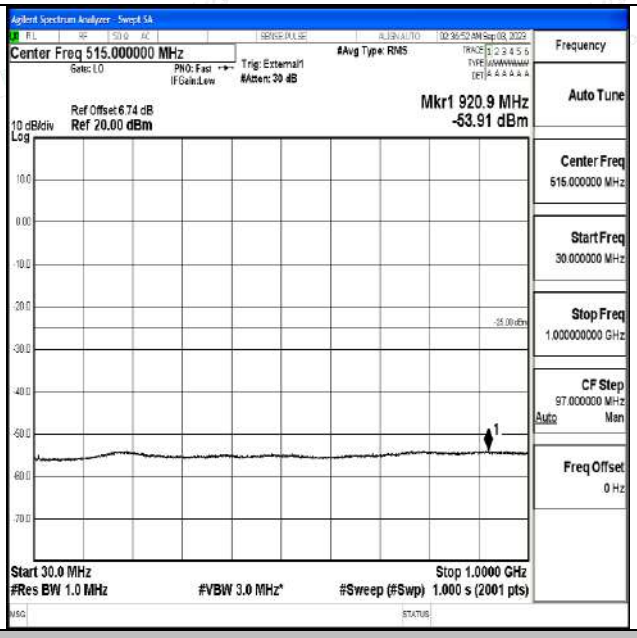
Band38_20MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



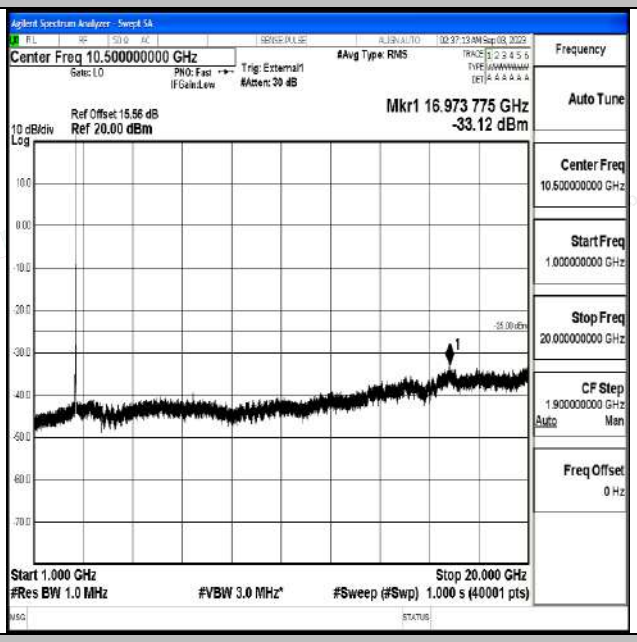
Band38_20MHz_QPSK_38150_1RB#0_0.009~0.15_0.009~0.15



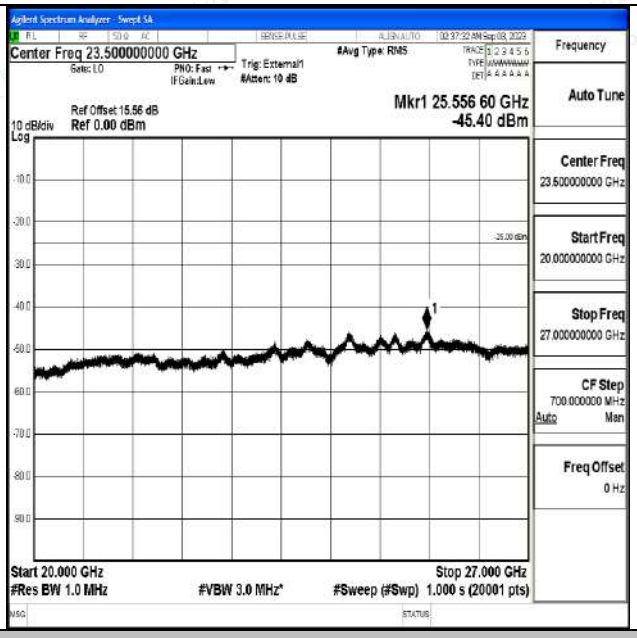
Band38_20MHz_QPSK_38150_1RB#0_0.15~30_0.15~30



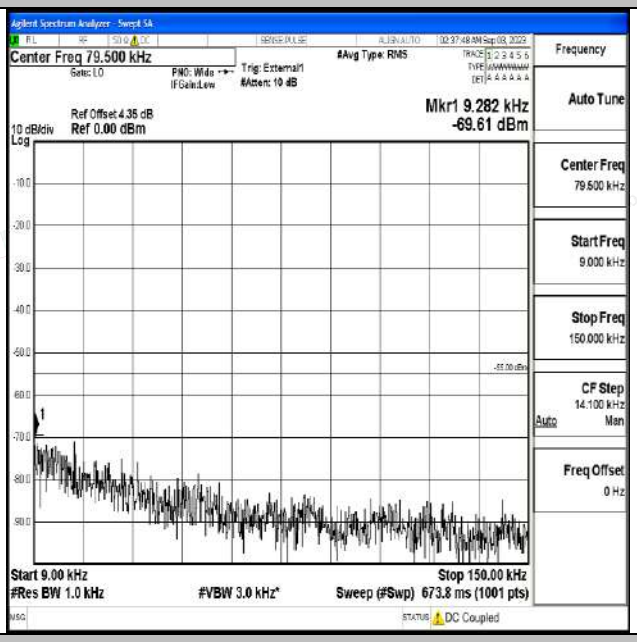
Band38_20MHz_QPSK_38150_1RB#0_30~1000_30~1000



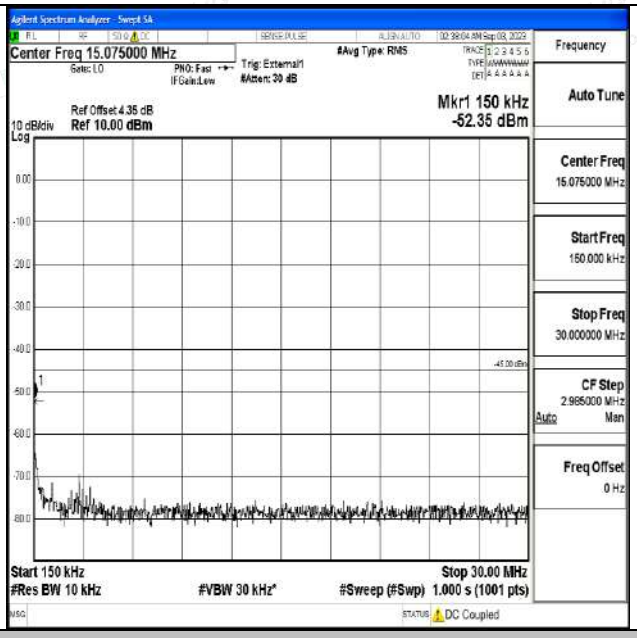
Band38_20MHz_QPSK_38150_1RB#0_1000~20000_1000~20000



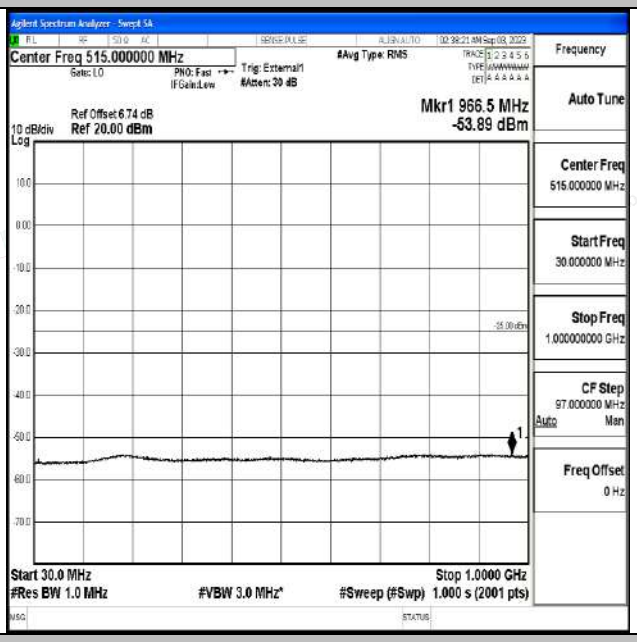
Band38_20MHz_QPSK_38150_1RB#0_20000~27000_20000~27000



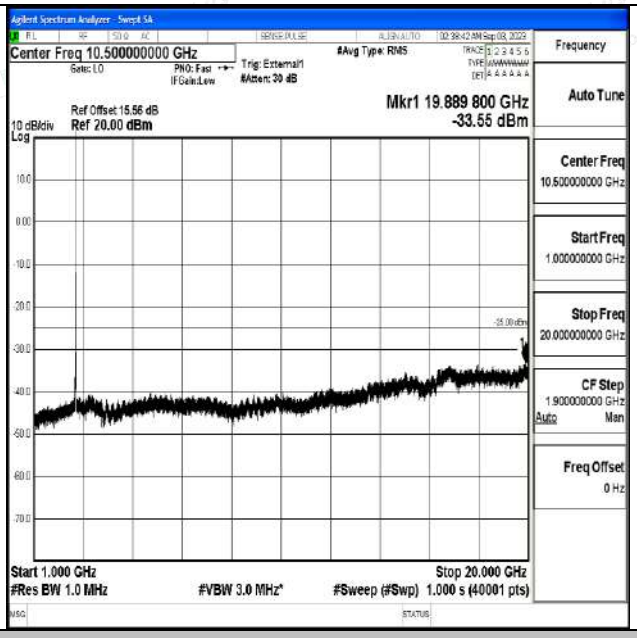
Band38_20MHz_16QAM_38150_1RB#0_0.009~0.15_0.009~0.15



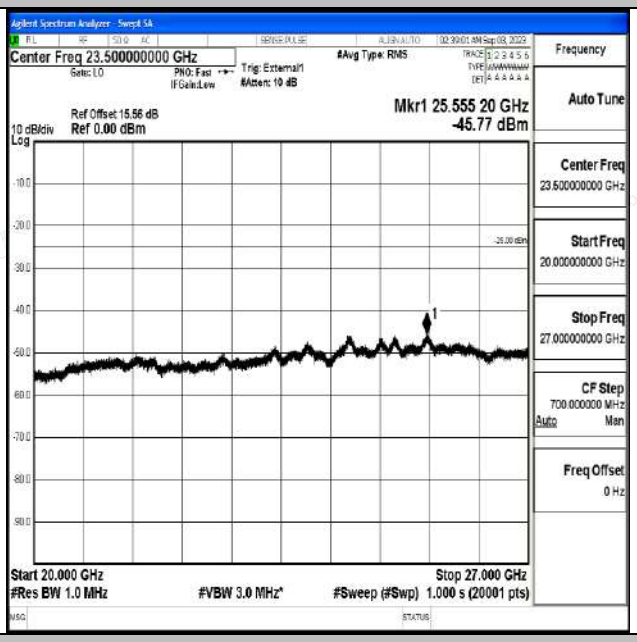
Band38_20MHz_16QAM_38150_1RB#0_0.15~30_0.15~30



Band38_20MHz_16QAM_38150_1RB#0_30~1000_30~1000



Band38_20MHz_16QAM_38150_1RB#0_1000~20000_1000~20000



Band38_20MHz_16QAM_38150_1RB#0_20000~27000_20000~27000