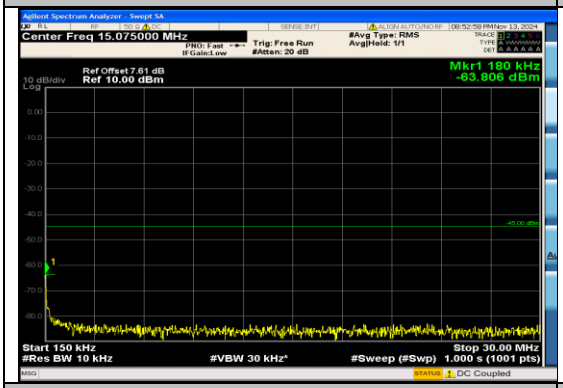
Band38_15MHz_16QAM_38175_1RB#0_20000~27000_20000~27000



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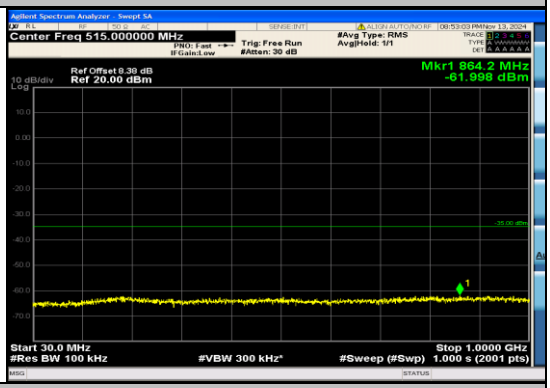

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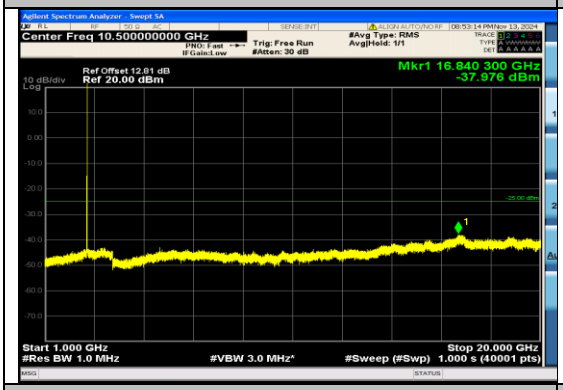

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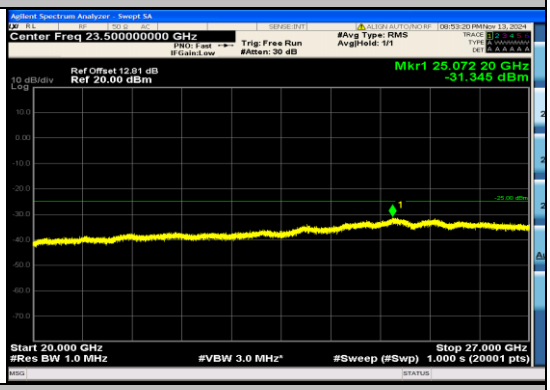

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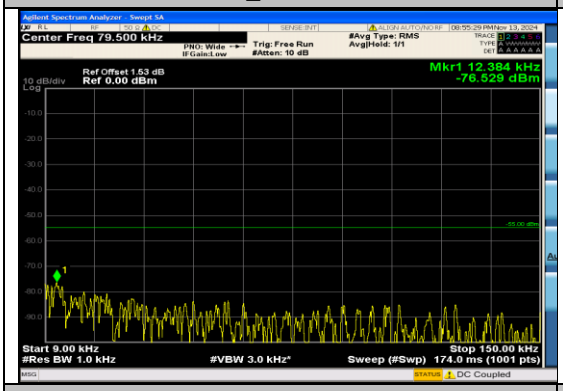

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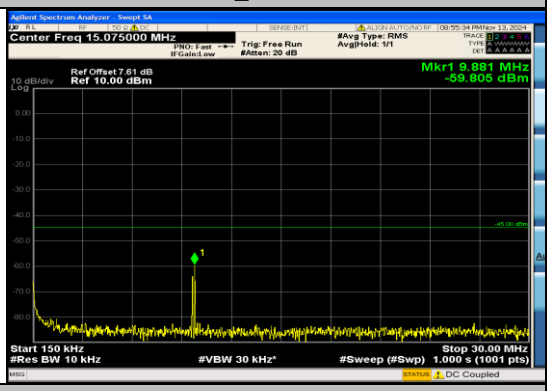
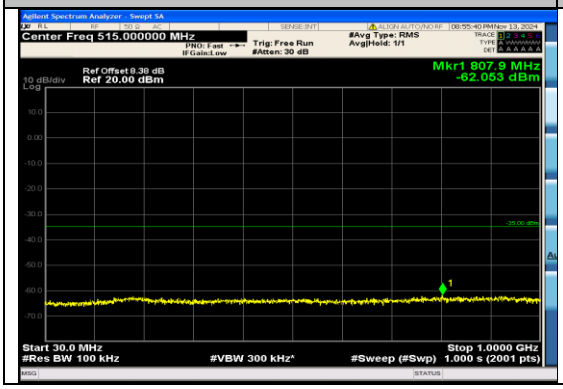


Band38_20MHz_QPSK_37850_1RB#0_0.009~0.15_0.009~0.15



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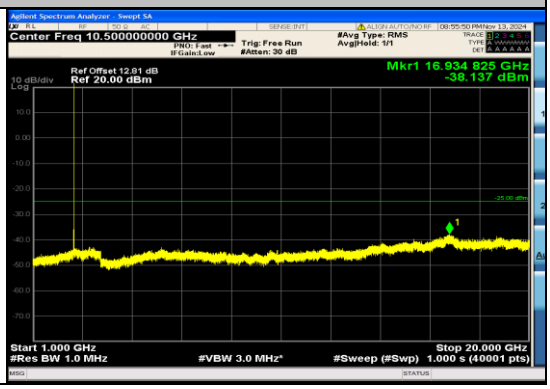

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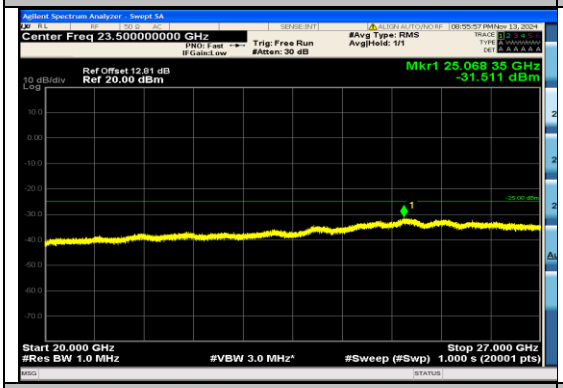

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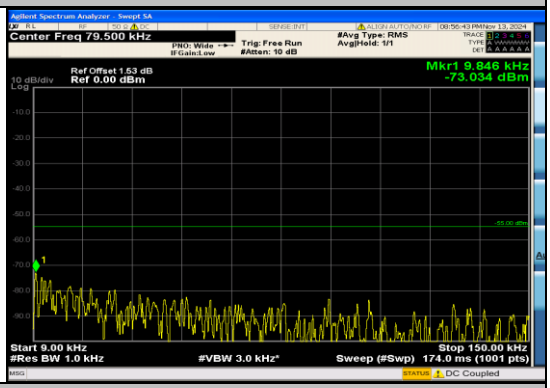
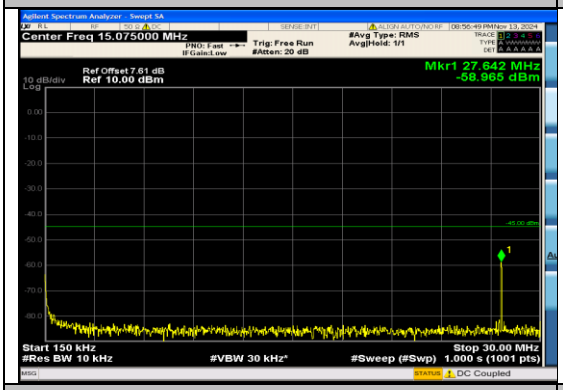
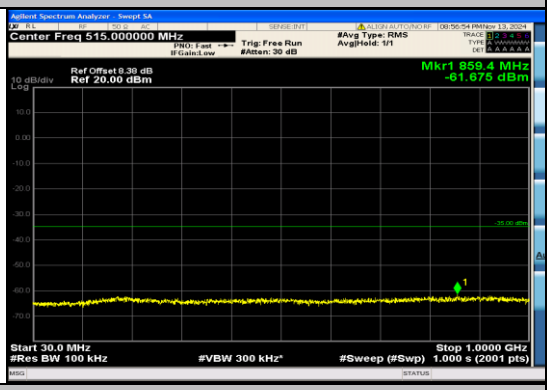


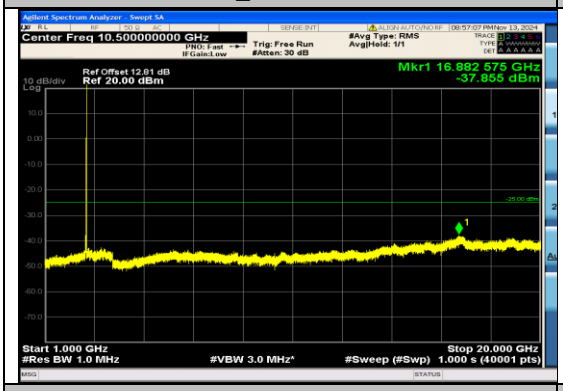
Band38_20MHz_QPSK_37850_1RB#0_20000~27000_20000~27000



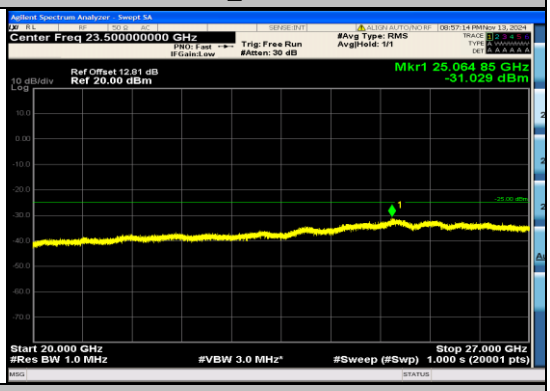
Band38_20MHz_QPSK_37850_1RB#99_0.009~0.15_0.009~0.15



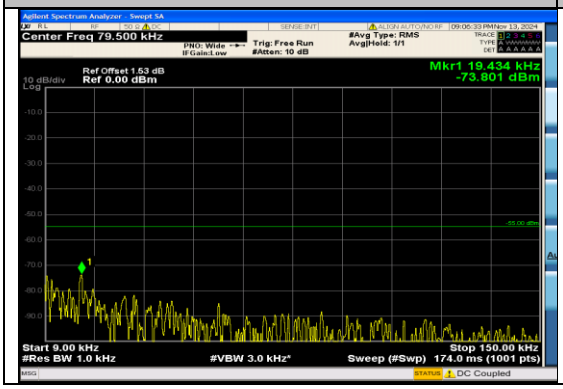
Band38_20MHz_QPSK_37850_1RB#99_0.15~30_0.15~30



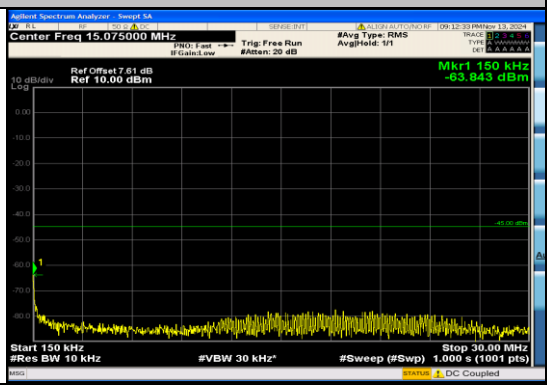
Band38_20MHz_QPSK_37850_1RB#99_30~1000_30~1000



Band38_20MHz_QPSK_37850_1RB#99_1000~20000_1000~20000



Band38_20MHz_QPSK_37850_1RB#99_20000~27000_20000~27000



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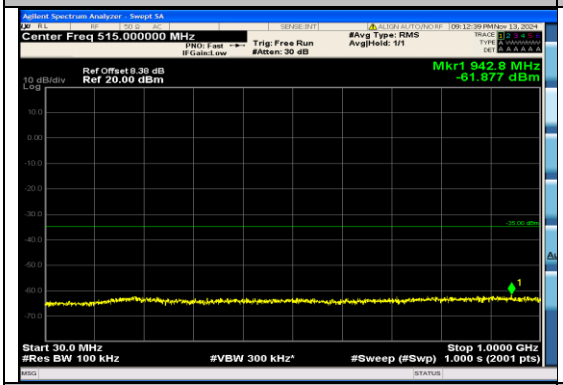
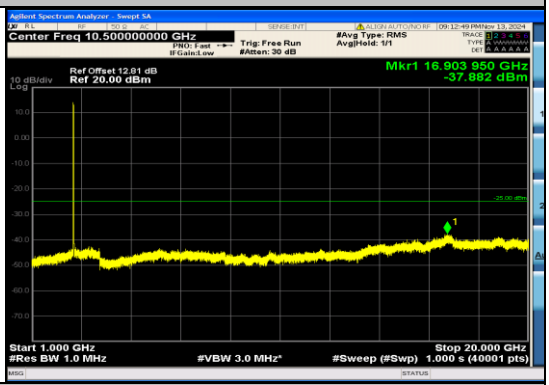


Band38_20MHz_QPSK_37850_100RB#0_0.15~30_0.15~30



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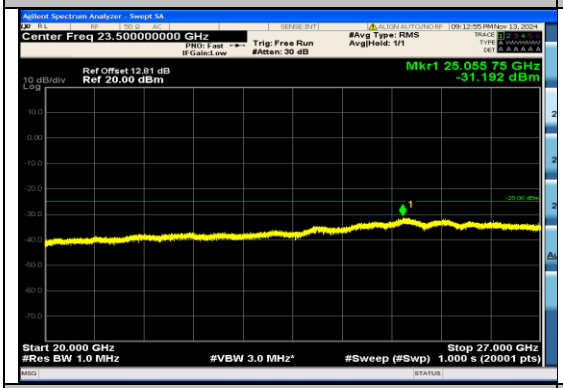
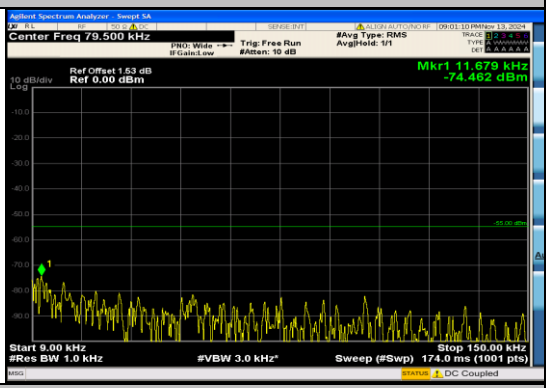
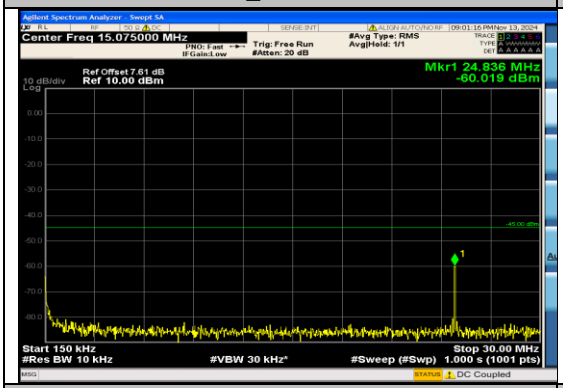


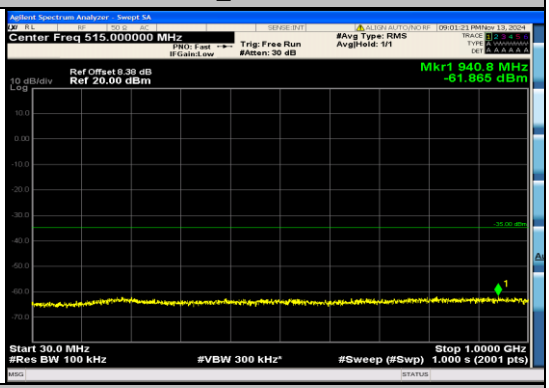
Band38_20MHz_QPSK_37850_100RB#0_1000~20000_1000~20000



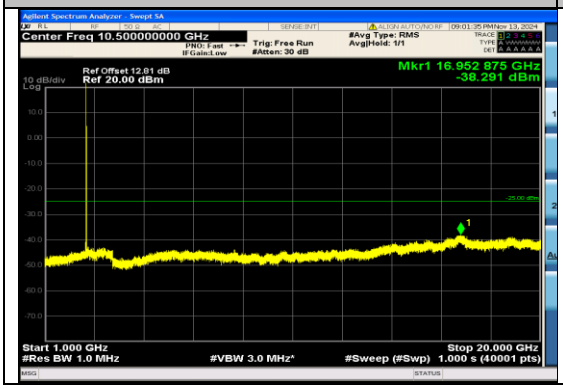
Band38_20MHz_QPSK_37850_100RB#0_20000~27000_20000~27000



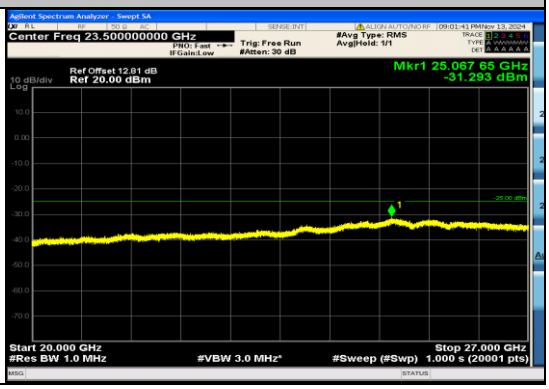
Band38_20MHz_QPSK_38000_1RB#0_0.009~0.15_0.009~0.15



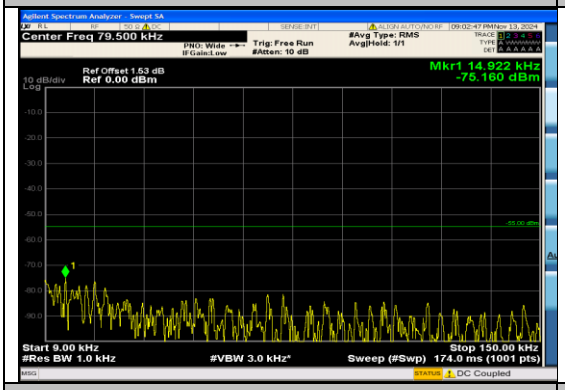
Band38_20MHz_QPSK_38000_1RB#0_0.15~30_0.15~30



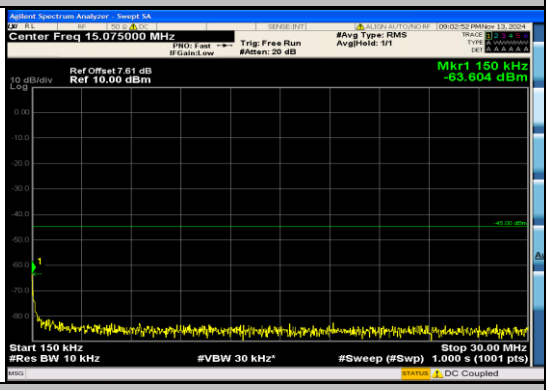
Band38_20MHz_QPSK_38000_1RB#0_30~1000_30~1000



Band38_20MHz_QPSK_38000_1RB#0_1000~20000_1000~20000



Band38_20MHz_QPSK_38000_1RB#0_20000~27000_20000~27000



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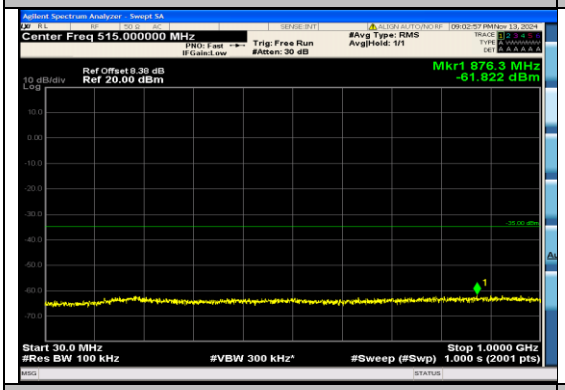
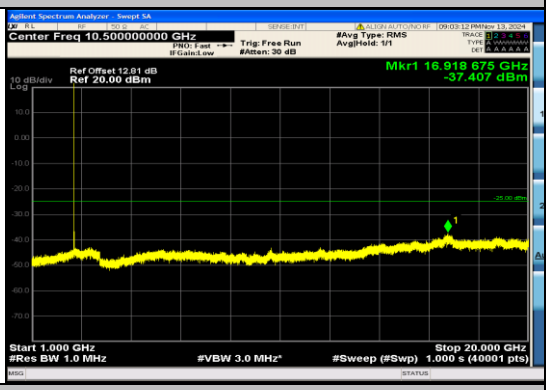
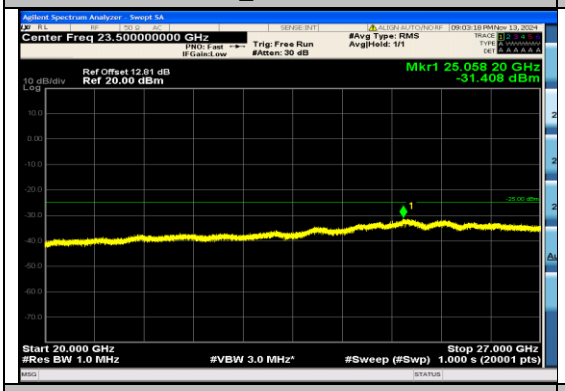


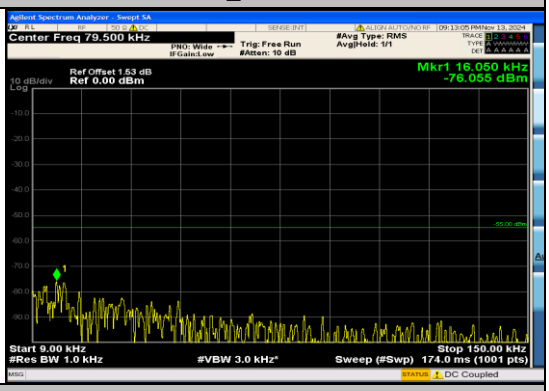
Band38_20MHz_QPSK_38000_1RB#99_0.15~30_0.15~30



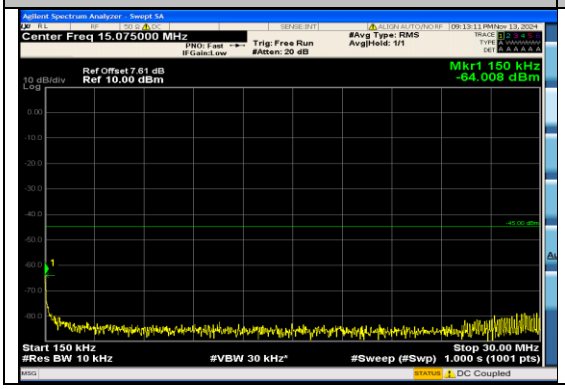
Band38_20MHz_QPSK_38000_1RB#99_30~1000_30~1000



Band38_20MHz_QPSK_38000_1RB#99_1000~20000_1000~20000



Band38_20MHz_QPSK_38000_1RB#99_20000~27000_20000~27000



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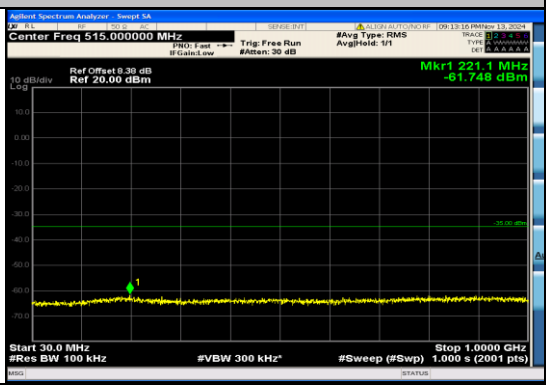
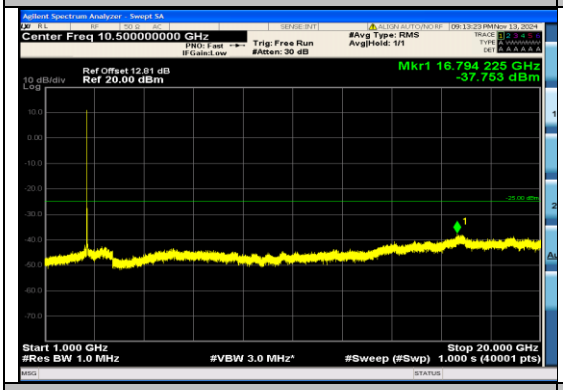
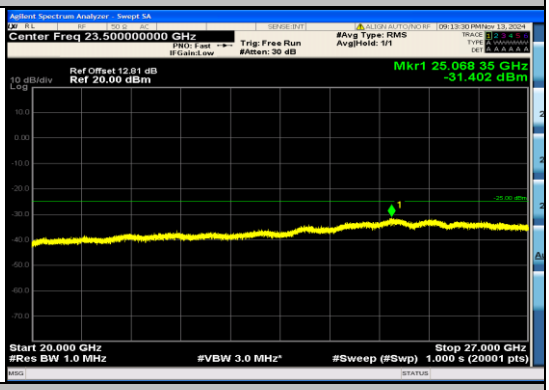


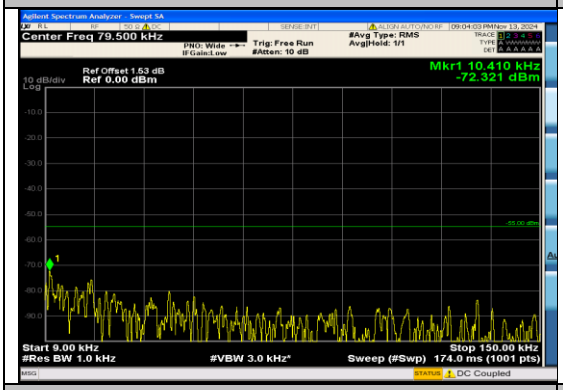
Band38_20MHz_QPSK_38000_100RB#0_0.15~30_0.15~30



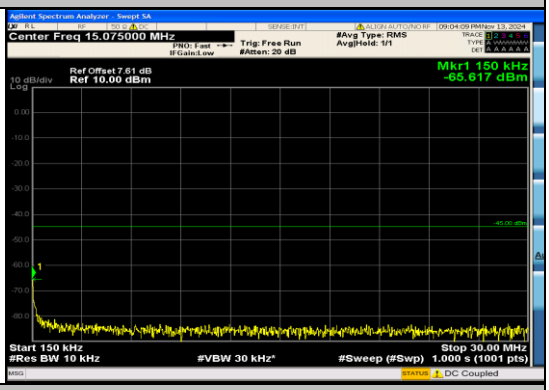
Band38_20MHz_QPSK_38000_100RB#0_30~1000_30~1000



Band38_20MHz_QPSK_38000_100RB#0_1000~20000_1000~20000



Band38_20MHz_QPSK_38000_100RB#0_20000~27000_20000~27000



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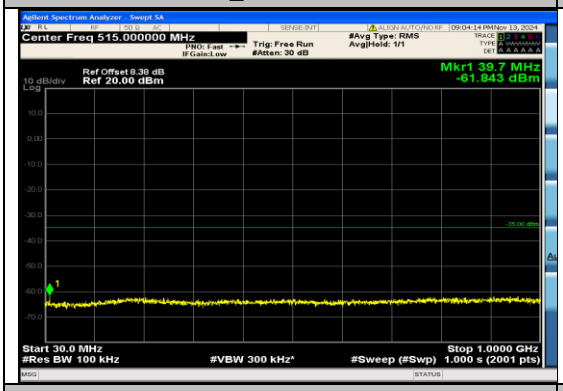
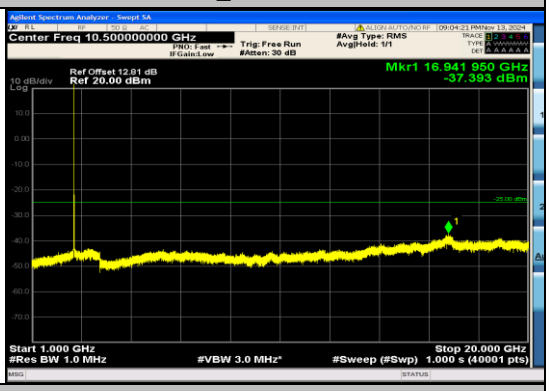
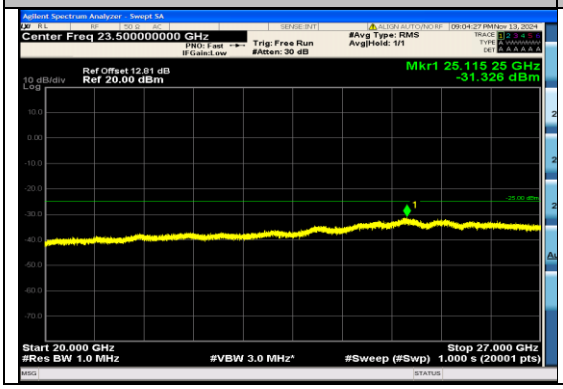


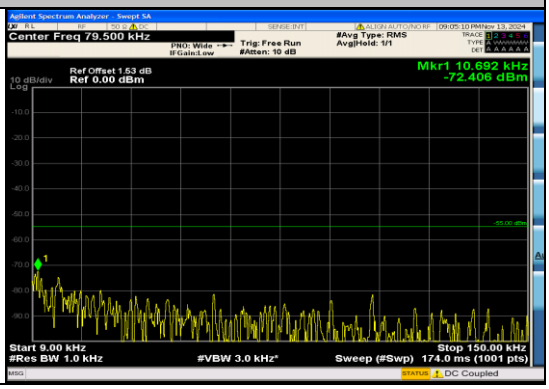
Band38_20MHz_QPSK_38150_1RB#0_0.15~30_0.15~30



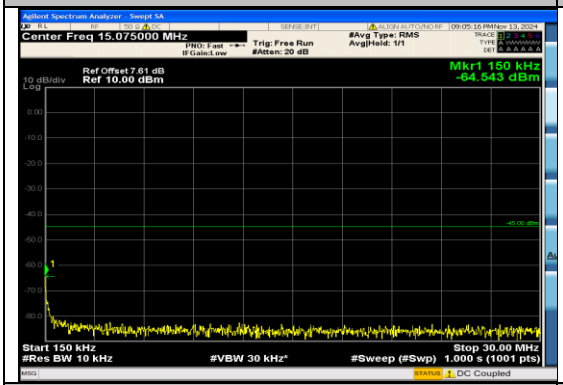
Band38_20MHz_QPSK_38150_1RB#0_30~1000_30~1000



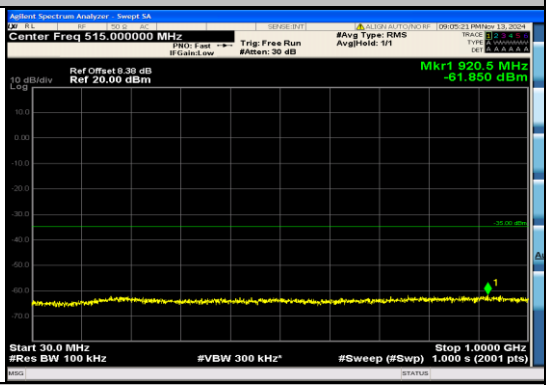
Band38_20MHz_QPSK_38150_1RB#0_1000~20000_1000~20000



Band38_20MHz_QPSK_38150_1RB#0_20000~27000_20000~27000

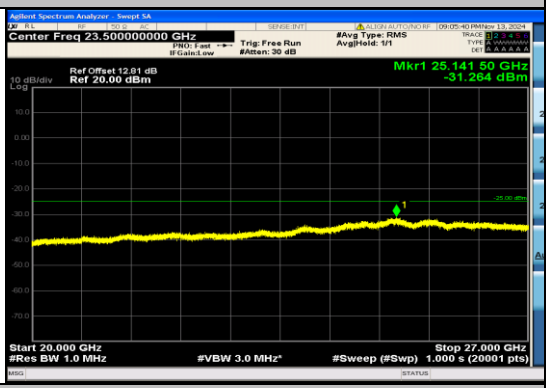


Band38_20MHz_QPSK_38150_1RB#99_0.009~0.15_0.009~0.15

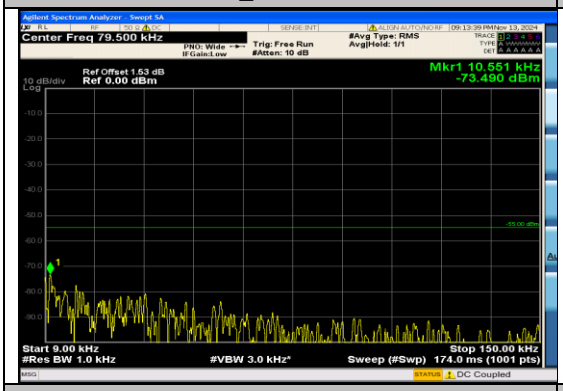


Band38_20MHz_QPSK_38150_1RB#99_0.15~30_0.15~30

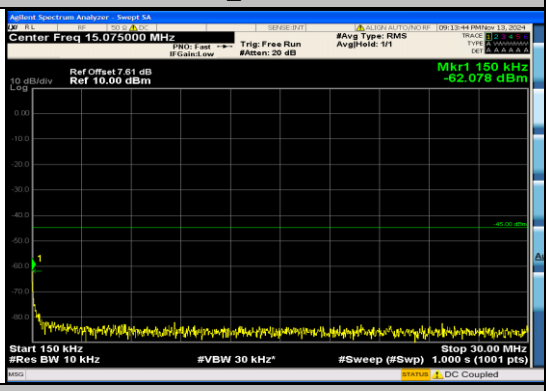
Band38_20MHz_QPSK_38150_1RB#99_30~1000_30~1000



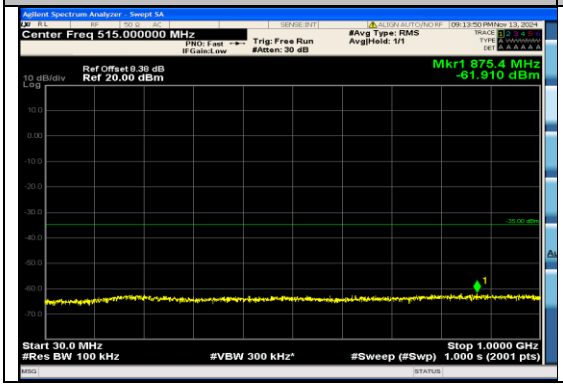
Band38_20MHz_QPSK_38150_1RB#99_1000~20000_1000~20000



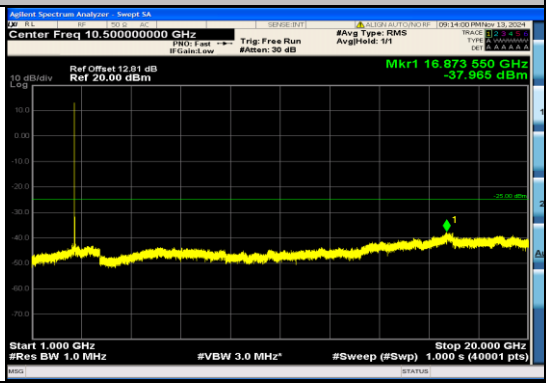
Band38_20MHz_QPSK_38150_1RB#99_20000~27000_20000~27000



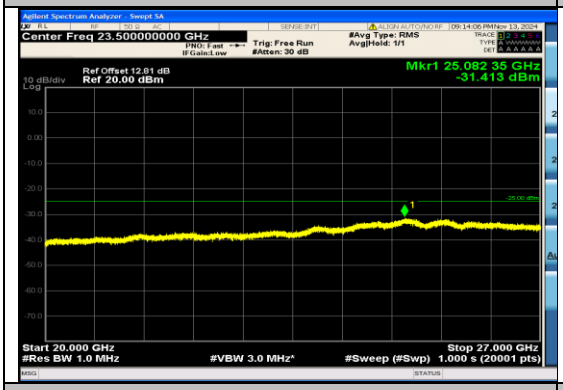
Band38_20MHz_QPSK_38150_100RB#0_0.009~0.15_0.009~0.15



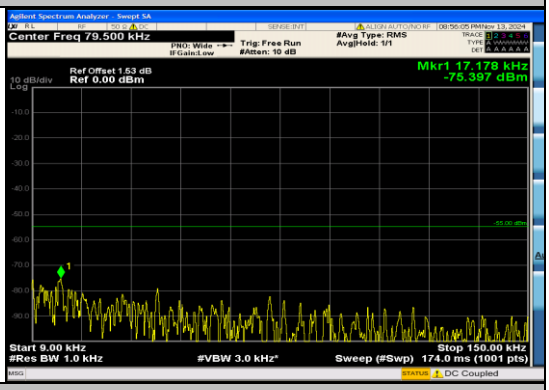
Band38_20MHz_QPSK_38150_100RB#0_0.15~30_0.15~30



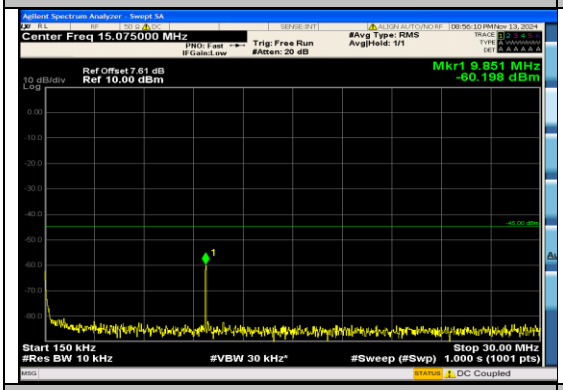
Band38_20MHz_QPSK_38150_100RB#0_30~1000_30~1000



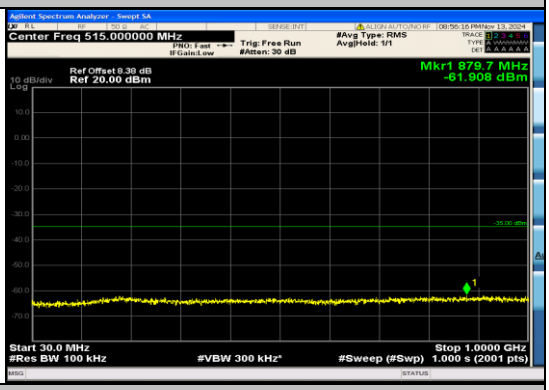
Band38_20MHz_QPSK_38150_100RB#0_1000~20000_1000~20000



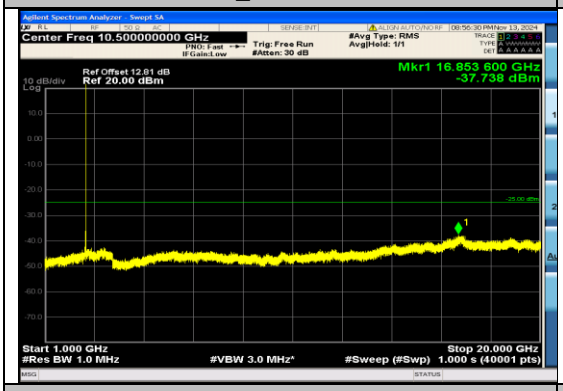
Band38_20MHz_QPSK_38150_100RB#0_20000~27000_20000~27000



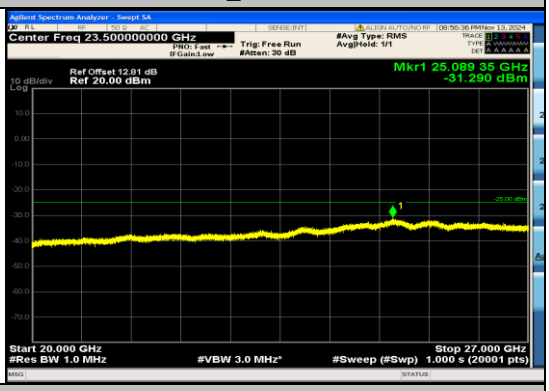
Band38_20MHz_16QAM_37850_1RB#0_0.009~0.15_0.009~0.15



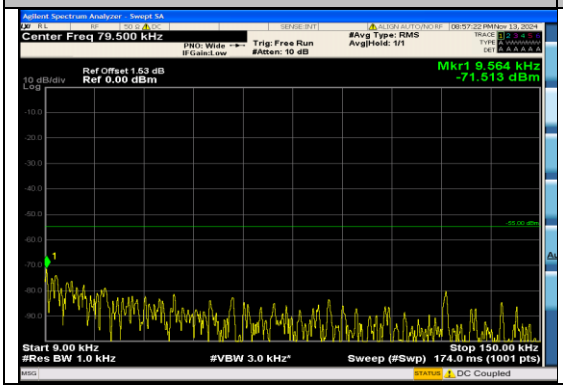
Band38_20MHz_16QAM_37850_1RB#0_0.15~30_0.15~30



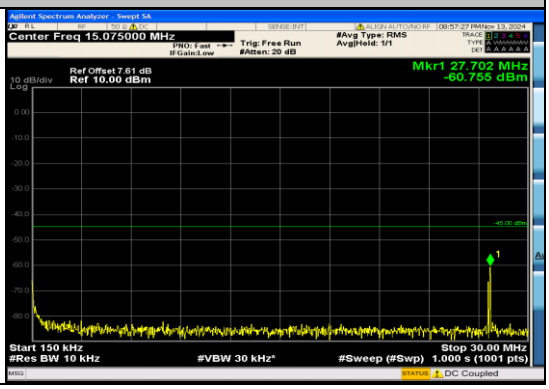
Band38_20MHz_16QAM_37850_1RB#0_30~1000_30~1000



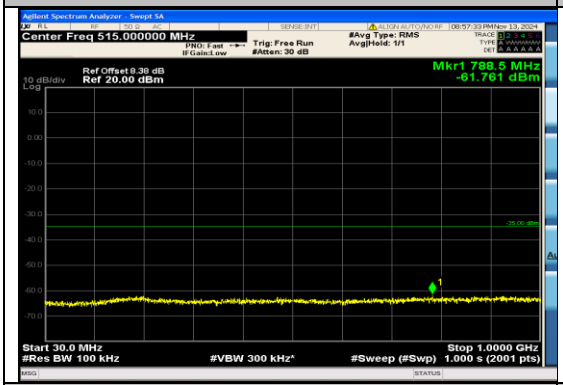
Band38_20MHz_16QAM_37850_1RB#0_1000~20000_1000~20000



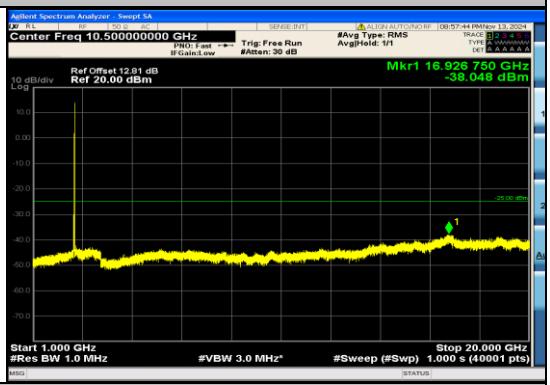
Band38_20MHz_16QAM_37850_1RB#0_20000~27000_20000~27000



Band38_20MHz_16QAM_37850_1RB#99_0.009~0.15_0.009~0.15



Band38_20MHz_16QAM_37850_1RB#99_0.15~30_0.15~30



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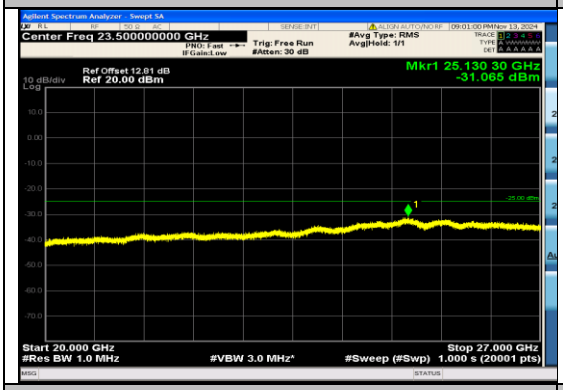
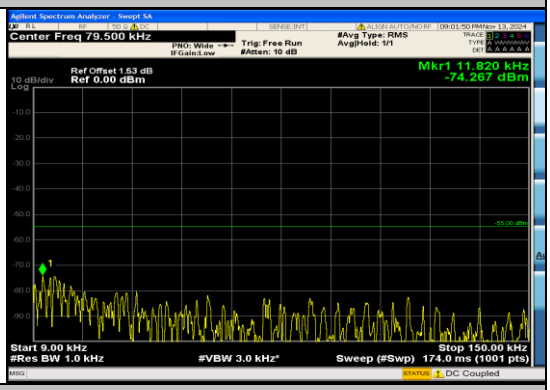
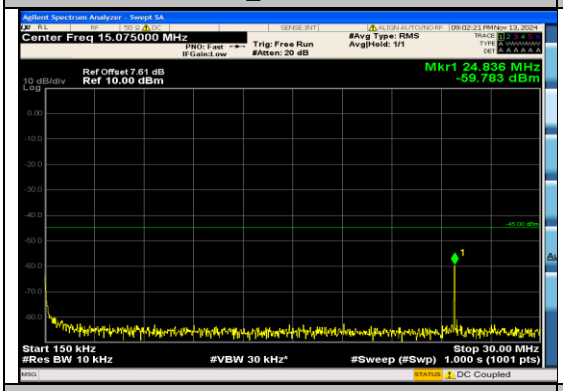


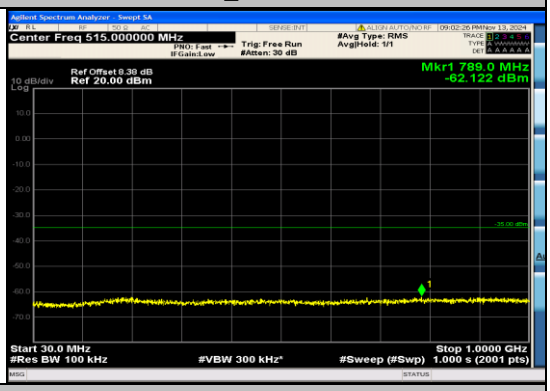
Band38_20MHz_16QAM_37850_1RB#99_1000~20000_1000~20000



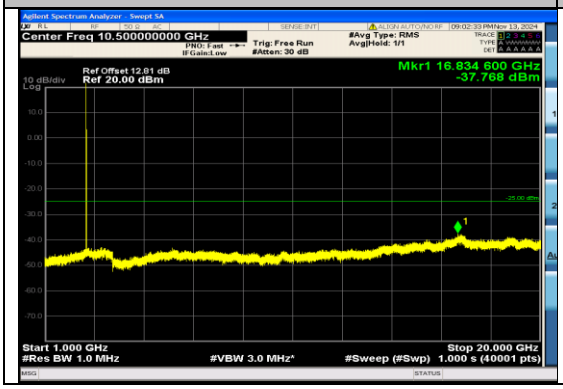
Band38_20MHz_16QAM_37850_1RB#99_20000~27000_20000~27000



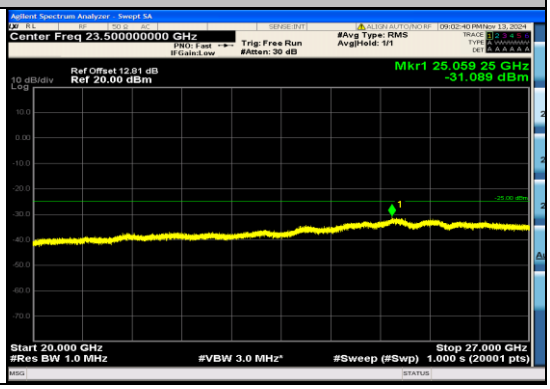
Band38_20MHz_16QAM_38000_1RB#0_0.009~0.15_0.009~0.15



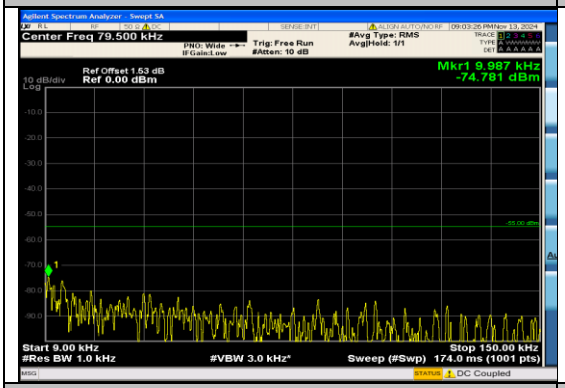
Band38_20MHz_16QAM_38000_1RB#0_0.15~30_0.15~30



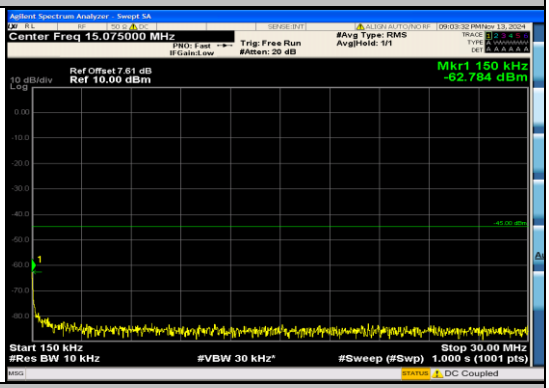
Band38_20MHz_16QAM_38000_1RB#0_30~1000_30~1000



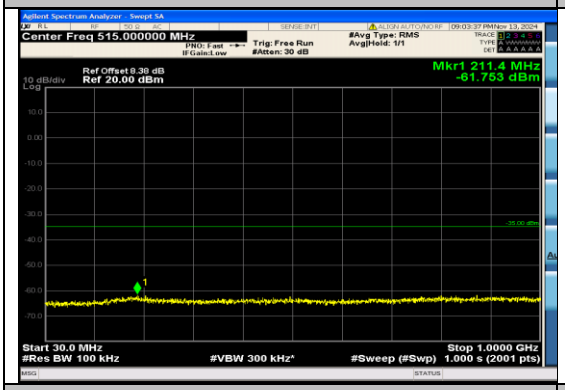
Band38_20MHz_16QAM_38000_1RB#0_1000~20000_1000~20000



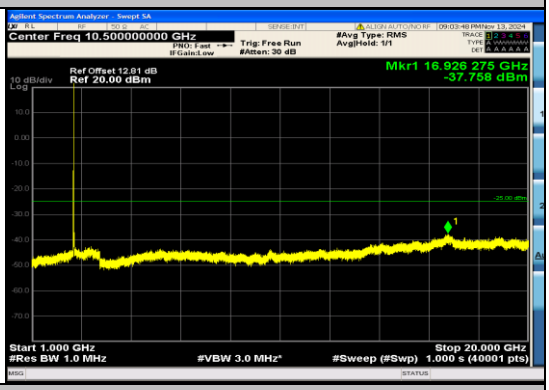
Band38_20MHz_16QAM_38000_1RB#0_20000~27000_20000~27000



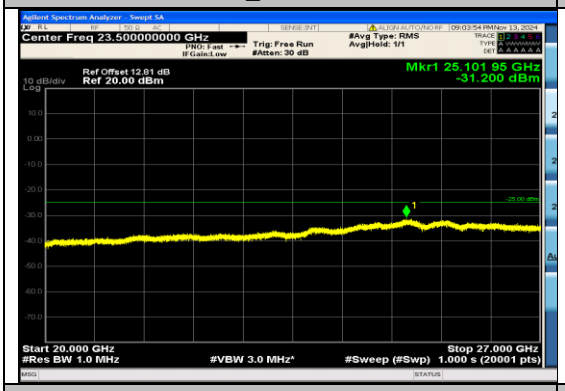
Band38_20MHz_16QAM_38000_1RB#99_0.009~0.15_0.009~0.15



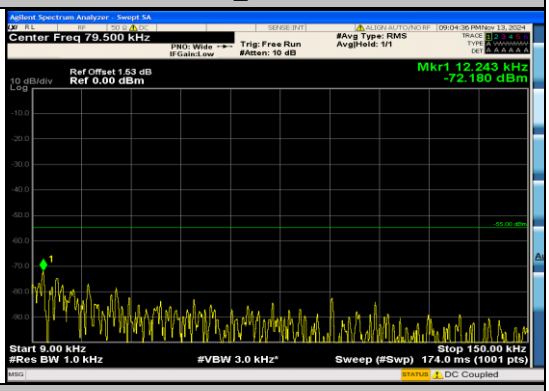
Band38_20MHz_16QAM_38000_1RB#99_0.15~30_0.15~30



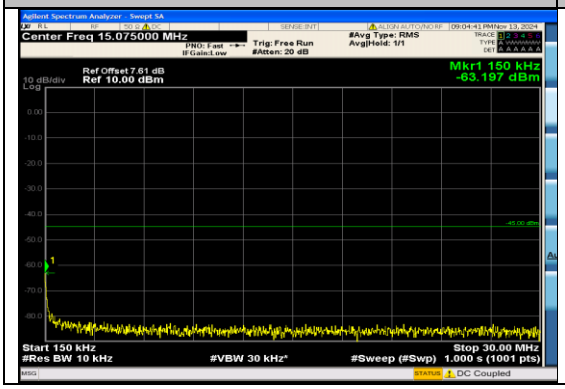
Band38_20MHz_16QAM_38000_1RB#99_30~1000_30~1000



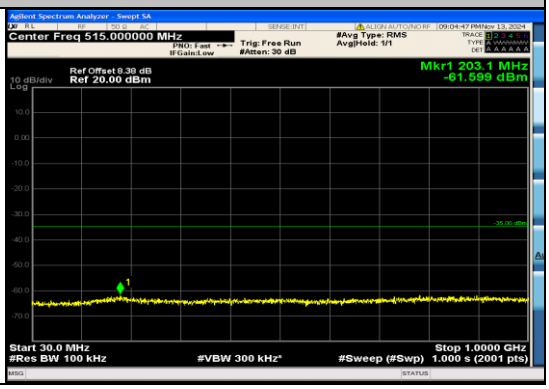
Band38_20MHz_16QAM_38000_1RB#99_1000~20000_1000~20000



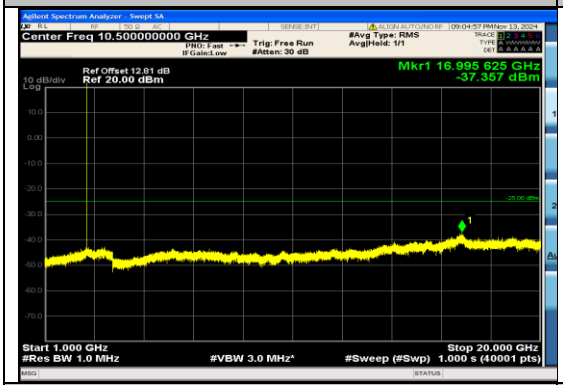
Band38_20MHz_16QAM_38000_1RB#99_20000~27000_20000~27000



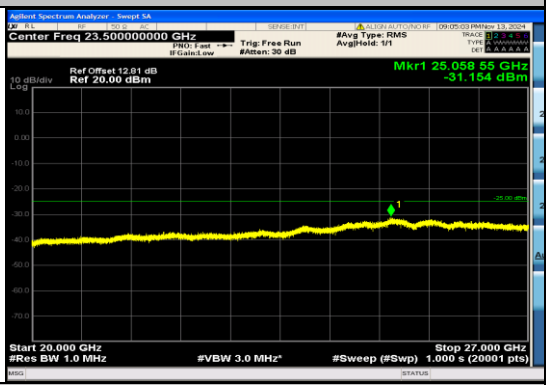
Band38_20MHz_16QAM_38150_1RB#0_0.009~0.15_0.009~0.15



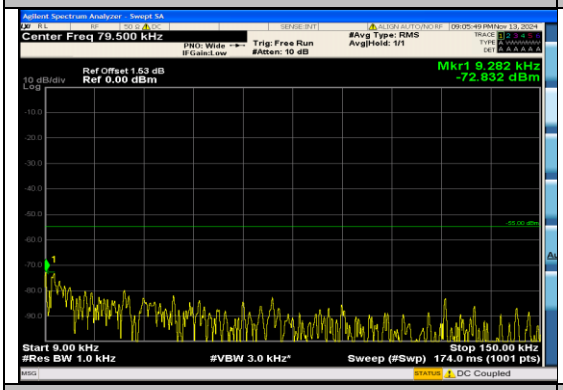
Band38_20MHz_16QAM_38150_1RB#0_0.15~30_0.15~30



Band38_20MHz_16QAM_38150_1RB#0_30~1000_30~1000



Band38_20MHz_16QAM_38150_1RB#0_1000~20000_1000~20000



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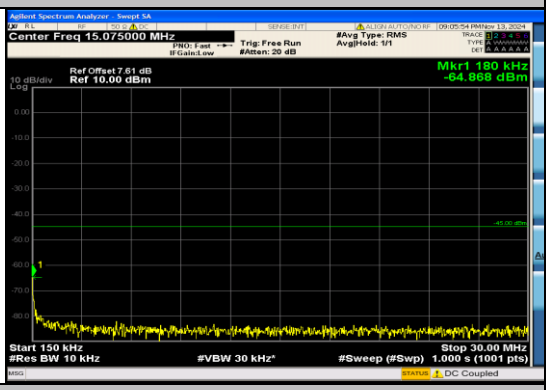
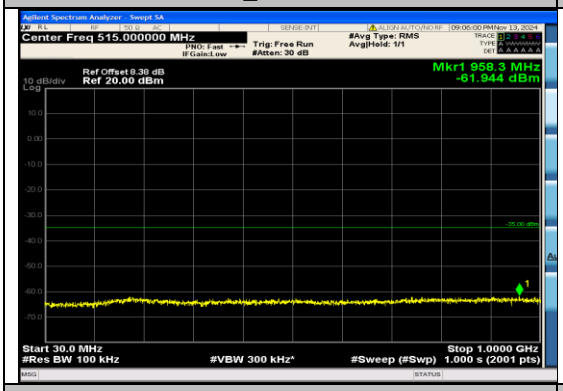
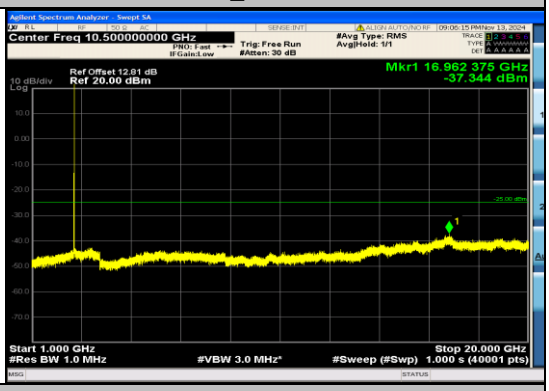


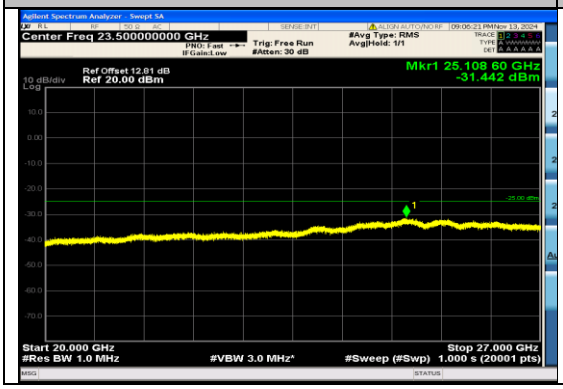
Band38_20MHz_16QAM_38150_1RB#99_0.009~0.15_0.009~0.15



Band38_20MHz_16QAM_38150_1RB#99_0.15~30_0.15~30



Band38_20MHz_16QAM_38150_1RB#99_30~1000_30~1000



Band38_20MHz_16QAM_38150_1RB#99_1000~20000_1000~20000

Band38_20MHz_16QAM_38150_1RB#99_20000~27000_20000~27000	

Appendix F: Frequency Stability

Test Result

Voltage										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BandName	Bandwidth	Modulation	Channel	RBcfg	VolValue	TempValue	ValueHz	ValuePpm	Limit	Verdict

Temperature										
Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	NV	-30	28.98	0.011265	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-20	7.54	0.002931	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	-10	15.76	0.006126	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	0	22.14	0.008606	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	10	26.06	0.010130	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	20	-12.80	-0.004976	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	30	-6.31	-0.002453	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	40	5.04	0.001959	±2.5	PASS
Band38	5MHz	QPSK	37775	25RB#0	NV	50	8.40	0.003265	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-30	27.19	0.010478	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-20	29.67	0.011434	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	-10	26.99	0.010401	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	0	11.40	0.004393	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	10	7.64	0.002944	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	20	30.28	0.011669	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	30	22.32	0.008601	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	40	29.24	0.011268	±2.5	PASS
Band38	5MHz	QPSK	38000	25RB#0	NV	50	9.98	0.003846	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-30	8.04	0.003072	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-20	18.65	0.007125	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	-10	21.16	0.008084	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	0	8.25	0.003152	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	10	24.40	0.009322	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	20	11.77	0.004497	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	30	15.26	0.005830	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	40	20.30	0.007755	±2.5	PASS
Band38	5MHz	QPSK	38225	25RB#0	NV	50	21.79	0.008325	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-30	-14.03	-0.005454	±2.5	PASS

Band38	5MHz	16QAM	37775	25RB#0	NV	-20	-20.28	-0.007883	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	-10	-39.41	-0.015320	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	0	-33.23	-0.012917	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	10	-28.28	-0.010993	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	20	-22.19	-0.008626	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	30	-15.95	-0.006200	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	40	-27.27	-0.010601	±2.5	PASS
Band38	5MHz	16QAM	37775	25RB#0	NV	50	-20.51	-0.007973	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-30	23.99	0.009245	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-20	27.39	0.010555	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	-10	-7.84	-0.003021	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	0	7.57	0.002917	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	10	6.94	0.002674	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	20	13.03	0.005021	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	30	18.88	0.007276	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	40	17.22	0.006636	±2.5	PASS
Band38	5MHz	16QAM	38000	25RB#0	NV	50	26.89	0.010362	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-30	-4.98	-0.001903	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-20	-7.50	-0.002865	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	-10	-11.37	-0.004344	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	0	-10.69	-0.004084	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	10	-18.45	-0.007049	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	20	-12.79	-0.004886	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	30	-10.41	-0.003977	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	40	-9.51	-0.003633	±2.5	PASS
Band38	5MHz	16QAM	38225	25RB#0	NV	50	-5.82	-0.002223	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-30	-7.72	-0.002998	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-20	9.03	0.003507	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	-10	14.12	0.005483	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	0	11.67	0.004532	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	10	-7.25	-0.002816	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	20	27.18	0.010555	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	30	22.03	0.008555	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	40	17.97	0.006979	±2.5	PASS
Band38	10MHz	QPSK	37800	50RB#0	NV	50	13.20	0.005126	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-30	25.53	0.009838	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-20	15.94	0.006143	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	-10	20.96	0.008077	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	0	9.16	0.003530	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	10	22.60	0.008709	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	20	23.62	0.009102	±2.5	PASS

Band38	10MHz	QPSK	38000	50RB#0	NV	30	19.08	0.007353	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	40	12.93	0.004983	±2.5	PASS
Band38	10MHz	QPSK	38000	50RB#0	NV	50	-7.78	-0.002998	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-30	28.45	0.010880	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-20	16.39	0.006268	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	-10	12.63	0.004830	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	0	31.79	0.012157	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	10	12.82	0.004902	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	20	20.37	0.007790	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	30	20.00	0.007648	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	40	15.52	0.005935	±2.5	PASS
Band38	10MHz	QPSK	38200	50RB#0	NV	50	30.40	0.011625	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-30	24.19	0.009385	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-20	12.75	0.004947	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	-10	21.73	0.008431	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	0	26.89	0.010433	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	10	26.26	0.010188	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	20	26.34	0.010219	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	30	26.85	0.010417	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	40	23.27	0.009028	±2.5	PASS
Band38	15MHz	QPSK	37825	75RB#0	NV	50	23.26	0.009024	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-30	29.11	0.011218	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-20	26.11	0.010062	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	-10	27.19	0.010478	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	0	26.15	0.010077	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	10	17.29	0.006663	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	20	24.79	0.009553	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	30	29.30	0.011291	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	40	25.42	0.009796	±2.5	PASS
Band38	15MHz	QPSK	38000	75RB#0	NV	50	25.23	0.009723	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-30	25.28	0.009677	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-20	18.90	0.007234	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	-10	28.70	0.010986	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	0	22.10	0.008459	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	10	19.34	0.007403	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	20	25.62	0.009807	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	30	24.69	0.009451	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	40	10.40	0.003981	±2.5	PASS
Band38	15MHz	QPSK	38175	75RB#0	NV	50	13.42	0.005137	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	27.29	0.010578	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	28.34	0.010984	±2.5	PASS

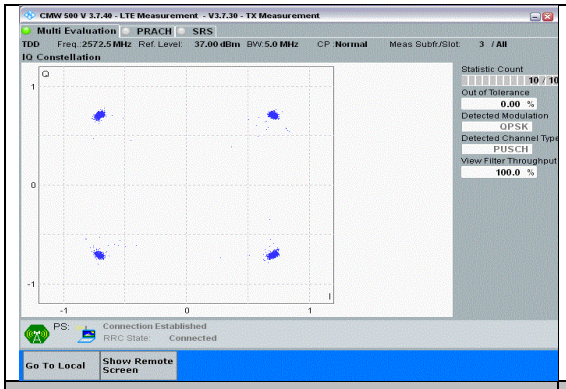
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	12.65	0.004903	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	19.98	0.007744	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	25.51	0.009888	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	19.74	0.007651	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	12.52	0.004853	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-7.97	-0.003089	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	19.40	0.007519	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	25.33	0.009761	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	28.87	0.011125	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	15.18	0.005850	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	24.81	0.009561	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	17.18	0.006620	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	24.58	0.009472	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	26.29	0.010131	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	21.66	0.008347	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	18.31	0.007056	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	14.18	0.005433	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	25.52	0.009778	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	24.15	0.009253	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	22.65	0.008678	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	21.99	0.008425	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	28.28	0.010835	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	10.99	0.004211	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	11.29	0.004326	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	22.32	0.008552	±2.5	PASS

Appendix G: Modulation Characteristics

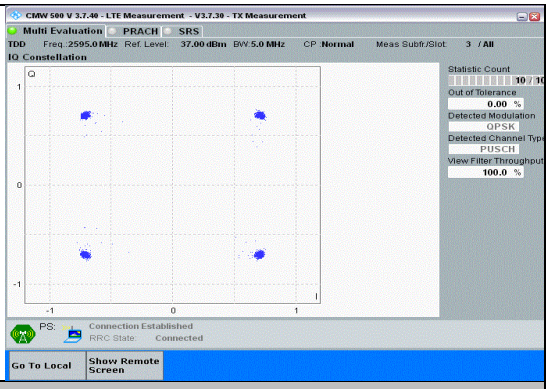
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Verdict
Band38	5MHz	QPSK	37775	25RB#0	PASS
Band38	5MHz	QPSK	38000	25RB#0	PASS
Band38	5MHz	QPSK	38225	25RB#0	PASS
Band38	5MHz	16QAM	37775	25RB#0	PASS
Band38	5MHz	16QAM	38000	25RB#0	PASS
Band38	5MHz	16QAM	38225	25RB#0	PASS
Band38	10MHz	QPSK	37800	50RB#0	PASS
Band38	10MHz	QPSK	38000	50RB#0	PASS
Band38	10MHz	QPSK	38200	50RB#0	PASS
Band38	10MHz	16QAM	37800	1RB#0	PASS
Band38	10MHz	16QAM	38000	1RB#0	PASS
Band38	10MHz	16QAM	38200	1RB#0	PASS
Band38	15MHz	QPSK	37825	75RB#0	PASS
Band38	15MHz	QPSK	38000	75RB#0	PASS
Band38	15MHz	QPSK	38175	75RB#0	PASS
Band38	15MHz	16QAM	37825	1RB#0	PASS
Band38	15MHz	16QAM	38000	1RB#0	PASS
Band38	15MHz	16QAM	38175	1RB#0	PASS
Band38	20MHz	QPSK	37850	100RB#0	PASS
Band38	20MHz	QPSK	38000	100RB#0	PASS
Band38	20MHz	QPSK	38150	100RB#0	PASS
Band38	20MHz	16QAM	37850	1RB#0	PASS
Band38	20MHz	16QAM	38000	1RB#0	PASS
Band38	20MHz	16QAM	38150	1RB#0	PASS

Test Graphs



Band38-5MHz-QPSK-37775-25RB#0-PASS



Band38-5MHz-QPSK-38000-25RB#0-PASS