Effective (Isotropic) Radiated Power Output Data

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	EIRP(dBm)	Limit(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	21.58	22.82	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	21.67	22.91	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	21.59	22.83	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	20.79	22.03	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	21.6	22.84	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	21.69	22.93	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	21.69	22.93	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	20.8	22.04	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	21.76	23	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	21.83	23.07	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	21.77	23.01	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	20.86	22.1	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	20.98	22.22	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	20.98	22.22	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	20.96	22.2	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	19.85	21.09	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	20.92	22.16	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	21.03	22.27	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	21.06	22.3	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	19.86	21.1	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.13	22.37	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.18	22.42	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.14	22.38	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	19.93	21.17	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	19.78	21.02	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	19.81	21.05	33	PASS
Band38	5MHz	64QAM	37775	1RB#24	19.79	21.03	33	PASS
Band38	5MHz	64QAM	37775	25RB#0	18.92	20.16	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	19.73	20.97	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	19.89	21.13	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	19.9	21.14	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	18.95	20.19	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	19.99	21.23	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	20.03	21.27	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.01	21.25	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.05	20.29	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	21.32	22.56	33	PASS

Band38	10MHz	QPSK	37800	1RB#24	21.6	22.84	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	21.28	22.52	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	20.64	21.88	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	21.67	22.91	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	21.67	22.91	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	21.67	22.91	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	20.77	22.01	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	21.87	23.11	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	21.84	23.08	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	21.75	22.99	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	20.86	22.1	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	20.74	21.98	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	20.99	22.23	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	20.64	21.88	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	19.78	21.02	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	21.02	22.26	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	21.05	22.29	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	21.1	22.34	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	19.81	21.05	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	21.28	22.52	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.25	22.49	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.21	22.45	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	19.94	21.18	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	19.56	20.8	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	19.87	21.11	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	19.59	20.83	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	18.76	20	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	19.82	21.06	33	PASS
Band38	10MHz	64QAM	38000	1RB#24	19.92	21.16	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	19.94	21.18	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	18.88	20.12	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	20.09	21.33	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	20.11	21.35	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.1	21.34	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	18.95	20.19	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	21.66	22.9	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	21.59	22.83	33	PASS
Band38	15MHz	QPSK	37825	1RB#74	21.61	22.85	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	20.7	21.94	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	21.67	22.91	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	21.71	22.95	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	21.84	23.08	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	20.85	22.09	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	21.99	23.23	33	PASS

Band38	15MHz	QPSK	38175	1RB#38	22	23.24	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	21.93	23.17	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.06	22.3	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	21.1	22.34	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	21.06	22.3	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	20.99	22.23	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	19.76	21	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	21.09	22.33	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	21.15	22.39	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	21.19	22.43	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	19.9	21.14	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.34	22.58	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.33	22.57	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.27	22.51	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.11	21.35	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	19.86	21.1	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	19.82	21.06	33	PASS
Band38	15MHz	64QAM	37825	1RB#74	19.79	21.03	33	PASS
Band38	15MHz	64QAM	37825	75RB#0	18.82	20.06	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	19.81	21.05	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	19.94	21.18	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	19.98	21.22	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	18.95	20.19	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	20.07	21.31	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	20.11	21.35	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.07	21.31	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.16	20.4	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	21.8	23.04	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	21.36	22.6	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	21.26	22.5	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	20.46	21.7	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	21.3	22.54	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	21.29	22.53	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	21.39	22.63	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	20.41	21.65	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	21.43	22.67	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	21.55	22.79	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	21.57	22.81	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	20.63	21.87	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	21.12	22.36	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	20.71	21.95	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	20.58	21.82	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	19.47	20.71	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	20.67	21.91	33	PASS

Band38	20MHz	16QAM	38000	1RB#49	20.71	21.95	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	20.76	22	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	19.44	20.68	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	20.83	22.07	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	20.92	22.16	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	20.95	22.19	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	19.69	20.93	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	19.73	20.97	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	19.52	20.76	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	19.39	20.63	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	18.48	19.72	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	19.41	20.65	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	19.43	20.67	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	19.56	20.8	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	18.44	19.68	33	PASS
Band38	20MHz	64QAM	38150	1RB#0	19.54	20.78	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	19.72	20.96	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	19.74	20.98	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	18.69	19.93	33	PASS

Test on the worst case：

1.1.1 B38_5MHz_EIRP

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.38	1.24	23.62	<=33.00	Pass
			13	22.47	1.24	23.71	<=33.00	Pass
			24	22.37	1.24	23.61	<=33.00	Pass
		12	0	21.56	1.24	22.80	<=33.00	Pass
			6	21.61	1.24	22.85	<=33.00	Pass
			13	21.60	1.24	22.84	<=33.00	Pass
		25	0	21.61	1.24	22.85	<=33.00	Pass
	2595	1	0	22.42	1.24	23.66	<=33.00	Pass
			13	22.47	1.24	23.71	<=33.00	Pass
			24	22.48	1.24	23.72	<=33.00	Pass
		12	0	21.47	1.24	22.71	<=33.00	Pass
			6	21.54	1.24	22.78	<=33.00	Pass
			13	21.51	1.24	22.75	<=33.00	Pass
		25	0	21.51	1.24	22.75	<=33.00	Pass
	2617.5	1	0	22.29	1.24	23.53	<=33.00	Pass
			13	22.46	1.24	23.70	<=33.00	Pass
			24	22.40	1.24	23.64	<=33.00	Pass
		12	0	21.37	1.24	22.61	<=33.00	Pass
			6	21.42	1.24	22.66	<=33.00	Pass
			13	21.39	1.24	22.63	<=33.00	Pass
		25	0	21.40	1.24	22.64	<=33.00	Pass
16QAM	2572.5	1	0	21.65	1.24	22.89	<=33.00	Pass
			13	21.68	1.24	22.92	<=33.00	Pass
			24	21.57	1.24	22.81	<=33.00	Pass
		12	0	20.62	1.24	21.86	<=33.00	Pass
			6	20.68	1.24	21.92	<=33.00	Pass
			13	20.61	1.24	21.85	<=33.00	Pass
		25	0	20.53	1.24	21.77	<=33.00	Pass
	2595	1	0	21.68	1.24	22.92	<=33.00	Pass
			13	21.87	1.24	23.11	<=33.00	Pass
			24	21.72	1.24	22.96	<=33.00	Pass
		12	0	20.48	1.24	21.72	<=33.00	Pass
			6	20.56	1.24	21.80	<=33.00	Pass
			13	20.56	1.24	21.80	<=33.00	Pass
		25	0	20.46	1.24	21.70	<=33.00	Pass
	2617.5	1	0	21.59	1.24	22.83	<=33.00	Pass
			13	21.75	1.24	22.99	<=33.00	Pass
			24	21.37	1.24	22.61	<=33.00	Pass
		12	0	20.32	1.24	21.56	<=33.00	Pass
			6	20.45	1.24	21.69	<=33.00	Pass
			13	20.41	1.24	21.65	<=33.00	Pass
		25	0	20.39	1.24	21.63	<=33.00	Pass
64QAM	2572.5	1	0	20.35	1.24	21.59	<=33.00	Pass

			13	20.92	1.24	22.16	<=33.00	Pass
			24	20.29	1.24	21.53	<=33.00	Pass
		12	0	19.57	1.24	20.81	<=33.00	Pass
			6	19.70	1.24	20.94	<=33.00	Pass
			13	19.64	1.24	20.88	<=33.00	Pass
		25	0	19.53	1.24	20.77	<=33.00	Pass
	2595	1	0	20.40	1.24	21.64	<=33.00	Pass
			13	20.56	1.24	21.80	<=33.00	Pass
			24	20.70	1.24	21.94	<=33.00	Pass
		12	0	19.46	1.24	20.70	<=33.00	Pass
			6	19.56	1.24	20.80	<=33.00	Pass
			13	19.61	1.24	20.85	<=33.00	Pass
		25	0	19.56	1.24	20.80	<=33.00	Pass
	2617.5	1	0	20.30	1.24	21.54	<=33.00	Pass
			13	20.39	1.24	21.63	<=33.00	Pass
			24	20.08	1.24	21.32	<=33.00	Pass
		12	0	19.24	1.24	20.48	<=33.00	Pass
			6	19.50	1.24	20.74	<=33.00	Pass
			13	19.50	1.24	20.74	<=33.00	Pass
		25	0	19.39	1.24	20.63	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B38_10MHz_EIRP

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	22.13	1.24	23.37	<=33.00	Pass
			25	22.43	1.24	23.67	<=33.00	Pass
			49	22.17	1.24	23.41	<=33.00	Pass
		25	0	21.39	1.24	22.63	<=33.00	Pass
			13	21.56	1.24	22.80	<=33.00	Pass
			25	21.49	1.24	22.73	<=33.00	Pass
		50	0	21.46	1.24	22.70	<=33.00	Pass
	2595	1	0	22.49	1.24	23.73	<=33.00	Pass
			25	22.47	1.24	23.71	<=33.00	Pass
			49	22.45	1.24	23.69	<=33.00	Pass
		25	0	21.45	1.24	22.69	<=33.00	Pass
			13	21.51	1.24	22.75	<=33.00	Pass
			25	21.45	1.24	22.69	<=33.00	Pass
		50	0	21.44	1.24	22.68	<=33.00	Pass
	2615	1	0	22.40	1.24	23.64	<=33.00	Pass
			25	22.40	1.24	23.64	<=33.00	Pass
			49	22.34	1.24	23.58	<=33.00	Pass
		25	0	21.34	1.24	22.58	<=33.00	Pass
			13	21.48	1.24	22.72	<=33.00	Pass
			25	21.38	1.24	22.62	<=33.00	Pass
		50	0	21.41	1.24	22.65	<=33.00	Pass
16QAM	2575	1	0	21.24	1.24	22.48	<=33.00	Pass
			25	21.30	1.24	22.54	<=33.00	Pass

			49	21.14	1.24	22.38	<=33.00	Pass
		25	0	20.44	1.24	21.68	<=33.00	Pass
			13	20.59	1.24	21.83	<=33.00	Pass
			25	20.52	1.24	21.76	<=33.00	Pass
		50	0	20.50	1.24	21.74	<=33.00	Pass
	2595	1	0	21.33	1.24	22.57	<=33.00	Pass
			25	21.36	1.24	22.60	<=33.00	Pass
			49	21.31	1.24	22.55	<=33.00	Pass
		25	0	20.46	1.24	21.70	<=33.00	Pass
			13	20.57	1.24	21.81	<=33.00	Pass
			25	20.47	1.24	21.71	<=33.00	Pass
		50	0	20.37	1.24	21.61	<=33.00	Pass
	2615	1	0	21.10	1.24	22.34	<=33.00	Pass
			25	21.28	1.24	22.52	<=33.00	Pass
			49	21.35	1.24	22.59	<=33.00	Pass
		25	0	20.36	1.24	21.60	<=33.00	Pass
			13	20.48	1.24	21.72	<=33.00	Pass
			25	20.39	1.24	21.63	<=33.00	Pass
		50	0	20.37	1.24	21.61	<=33.00	Pass
64QAM	2575	1	0	20.41	1.24	21.65	<=33.00	Pass
			25	20.73	1.24	21.97	<=33.00	Pass
			49	19.73	1.24	20.97	<=33.00	Pass
		25	0	19.36	1.24	20.60	<=33.00	Pass
			13	19.58	1.24	20.82	<=33.00	Pass
			25	19.47	1.24	20.71	<=33.00	Pass
		50	0	19.47	1.24	20.71	<=33.00	Pass
	2595	1	0	20.82	1.24	22.06	<=33.00	Pass
			25	20.61	1.24	21.85	<=33.00	Pass
			49	20.74	1.24	21.98	<=33.00	Pass
		25	0	19.41	1.24	20.65	<=33.00	Pass
			13	19.53	1.24	20.77	<=33.00	Pass
			25	19.54	1.24	20.78	<=33.00	Pass
		50	0	19.41	1.24	20.65	<=33.00	Pass
	2615	1	0	20.16	1.24	21.40	<=33.00	Pass
			25	20.15	1.24	21.39	<=33.00	Pass
			49	20.13	1.24	21.37	<=33.00	Pass
		25	0	19.22	1.24	20.46	<=33.00	Pass
			13	19.46	1.24	20.70	<=33.00	Pass
			25	19.36	1.24	20.60	<=33.00	Pass
		50	0	19.35	1.24	20.59	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B38_15MHz_EIRP

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	22.54	1.24	23.78	<=33.00	Pass
			38	22.47	1.24	23.71	<=33.00	Pass
			74	22.43	1.24	23.67	<=33.00	Pass

		36	0	21.44	1.24	22.68	<=33.00	Pass
			18	21.58	1.24	22.82	<=33.00	Pass
			39	21.48	1.24	22.72	<=33.00	Pass
		75	0	21.49	1.24	22.73	<=33.00	Pass
	2595	1	0	22.61	1.24	23.85	<=33.00	Pass
			38	22.58	1.24	23.82	<=33.00	Pass
			74	22.48	1.24	23.72	<=33.00	Pass
		36	0	21.46	1.24	22.70	<=33.00	Pass
			18	21.48	1.24	22.72	<=33.00	Pass
			39	21.49	1.24	22.73	<=33.00	Pass
		75	0	21.43	1.24	22.67	<=33.00	Pass
	2612.5	1	0	22.35	1.24	23.59	<=33.00	Pass
			38	22.36	1.24	23.60	<=33.00	Pass
			74	22.30	1.24	23.54	<=33.00	Pass
		36	0	21.36	1.24	22.60	<=33.00	Pass
			18	21.52	1.24	22.76	<=33.00	Pass
			39	21.40	1.24	22.64	<=33.00	Pass
		75	0	21.43	1.24	22.67	<=33.00	Pass
16QAM	2577.5	1	0	21.69	1.24	22.93	<=33.00	Pass
			38	21.64	1.24	22.88	<=33.00	Pass
			74	21.57	1.24	22.81	<=33.00	Pass
		36	0	20.49	1.24	21.73	<=33.00	Pass
			18	20.60	1.24	21.84	<=33.00	Pass
			39	20.50	1.24	21.74	<=33.00	Pass
		75	0	20.48	1.24	21.72	<=33.00	Pass
	2595	1	0	21.48	1.24	22.72	<=33.00	Pass
			38	21.48	1.24	22.72	<=33.00	Pass
			74	21.48	1.24	22.72	<=33.00	Pass
		36	0	20.46	1.24	21.70	<=33.00	Pass
			18	20.52	1.24	21.76	<=33.00	Pass
			39	20.46	1.24	21.70	<=33.00	Pass
		75	0	20.45	1.24	21.69	<=33.00	Pass
	2612.5	1	0	21.46	1.24	22.70	<=33.00	Pass
			38	21.24	1.24	22.48	<=33.00	Pass
			74	21.78	1.24	23.02	<=33.00	Pass
		36	0	20.36	1.24	21.60	<=33.00	Pass
			18	20.49	1.24	21.73	<=33.00	Pass
			39	20.38	1.24	21.62	<=33.00	Pass
		75	0	20.41	1.24	21.65	<=33.00	Pass
64QAM	2577.5	1	0	20.37	1.24	21.61	<=33.00	Pass
			38	20.37	1.24	21.61	<=33.00	Pass
			74	20.02	1.24	21.26	<=33.00	Pass
		36	0	19.45	1.24	20.69	<=33.00	Pass
			18	19.55	1.24	20.79	<=33.00	Pass
			39	19.50	1.24	20.74	<=33.00	Pass
		75	0	19.53	1.24	20.77	<=33.00	Pass
	2595	1	0	20.94	1.24	22.18	<=33.00	Pass
			38	20.83	1.24	22.07	<=33.00	Pass
			74	20.76	1.24	22.00	<=33.00	Pass
		36	0	19.50	1.24	20.74	<=33.00	Pass
			18	19.56	1.24	20.80	<=33.00	Pass

			39	19.49	1.24	20.73	<=33.00	Pass
		75	0	19.46	1.24	20.70	<=33.00	Pass
	2612.5	1	0	20.70	1.24	21.94	<=33.00	Pass
			38	20.67	1.24	21.91	<=33.00	Pass
			74	20.42	1.24	21.66	<=33.00	Pass
		36	0	19.41	1.24	20.65	<=33.00	Pass
			18	19.50	1.24	20.74	<=33.00	Pass
			39	19.41	1.24	20.65	<=33.00	Pass
		75	0	19.46	1.24	20.70	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B38_20MHz_EIRP

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	22.61	1.24	23.85	<=33.00	Pass
			50	22.57	1.24	23.81	<=33.00	Pass
			99	22.49	1.24	23.73	<=33.00	Pass
		50	0	21.39	1.24	22.63	<=33.00	Pass
			25	21.55	1.24	22.79	<=33.00	Pass
			50	21.40	1.24	22.64	<=33.00	Pass
		100	0	21.48	1.24	22.72	<=33.00	Pass
	2595	1	0	22.63	1.24	23.87	<=33.00	Pass
			50	22.47	1.24	23.71	<=33.00	Pass
			99	22.52	1.24	23.76	<=33.00	Pass
		50	0	21.42	1.24	22.66	<=33.00	Pass
			25	21.48	1.24	22.72	<=33.00	Pass
			50	21.44	1.24	22.68	<=33.00	Pass
		100	0	21.41	1.24	22.65	<=33.00	Pass
	2610	1	0	22.50	1.24	23.74	<=33.00	Pass
			50	22.36	1.24	23.60	<=33.00	Pass
			99	22.28	1.24	23.52	<=33.00	Pass
		50	0	21.29	1.24	22.53	<=33.00	Pass
			25	21.47	1.24	22.71	<=33.00	Pass
			50	21.33	1.24	22.57	<=33.00	Pass
		100	0	21.38	1.24	22.62	<=33.00	Pass
16QAM	2580	1	0	21.96	1.24	23.20	<=33.00	Pass
			50	21.59	1.24	22.83	<=33.00	Pass
			99	21.58	1.24	22.82	<=33.00	Pass
		50	0	20.44	1.24	21.68	<=33.00	Pass
			25	20.57	1.24	21.81	<=33.00	Pass
			50	20.45	1.24	21.69	<=33.00	Pass
		100	0	20.49	1.24	21.73	<=33.00	Pass
	2595	1	0	21.39	1.24	22.63	<=33.00	Pass
			50	21.46	1.24	22.70	<=33.00	Pass
			99	21.25	1.24	22.49	<=33.00	Pass
		50	0	20.41	1.24	21.65	<=33.00	Pass
			25	20.50	1.24	21.74	<=33.00	Pass
			50	20.43	1.24	21.67	<=33.00	Pass

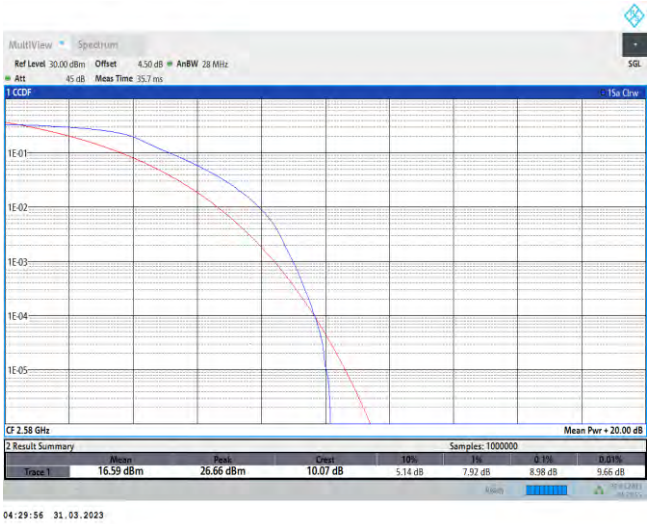
		100	0	20.44	1.24	21.68	<=33.00	Pass
	2610	1	0	21.75	1.24	22.99	<=33.00	Pass
			50	21.65	1.24	22.89	<=33.00	Pass
			99	21.54	1.24	22.78	<=33.00	Pass
		50	0	20.28	1.24	21.52	<=33.00	Pass
			25	20.46	1.24	21.70	<=33.00	Pass
			50	20.37	1.24	21.61	<=33.00	Pass
		100	0	20.36	1.24	21.60	<=33.00	Pass
64QAM	2580	1	0	20.35	1.24	21.59	<=33.00	Pass
			50	20.50	1.24	21.74	<=33.00	Pass
			99	20.45	1.24	21.69	<=33.00	Pass
		50	0	19.36	1.24	20.60	<=33.00	Pass
			25	19.54	1.24	20.78	<=33.00	Pass
			50	19.50	1.24	20.74	<=33.00	Pass
		100	0	19.50	1.24	20.74	<=33.00	Pass
	2595	1	0	20.69	1.24	21.93	<=33.00	Pass
			50	20.10	1.24	21.34	<=33.00	Pass
			99	20.40	1.24	21.64	<=33.00	Pass
		50	0	19.47	1.24	20.71	<=33.00	Pass
			25	19.49	1.24	20.73	<=33.00	Pass
			50	19.49	1.24	20.73	<=33.00	Pass
		100	0	19.37	1.24	20.61	<=33.00	Pass
	2610	1	0	20.34	1.24	21.58	<=33.00	Pass
			50	20.40	1.24	21.64	<=33.00	Pass
			99	20.45	1.24	21.69	<=33.00	Pass
		50	0	19.35	1.24	20.59	<=33.00	Pass
			25	19.49	1.24	20.73	<=33.00	Pass
			50	19.43	1.24	20.67	<=33.00	Pass
		100	0	19.41	1.24	20.65	<=33.00	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	8.98	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	8.92	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	8.74	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	9.72	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	9.68	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	9.72	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	9.88	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	10.04	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	9.96	13	PASS

Test Graphs

Band38-20MHz-QPSK-37850-100RB#0

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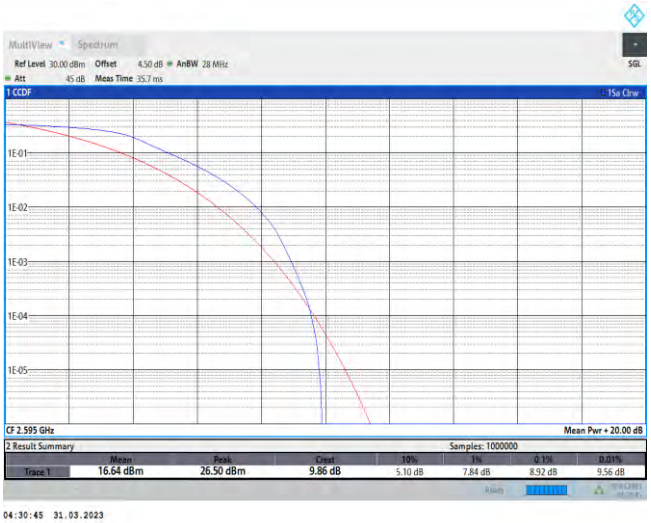

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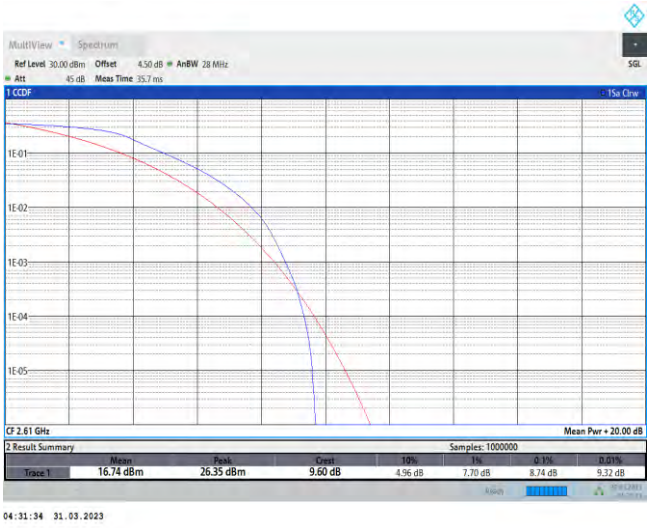
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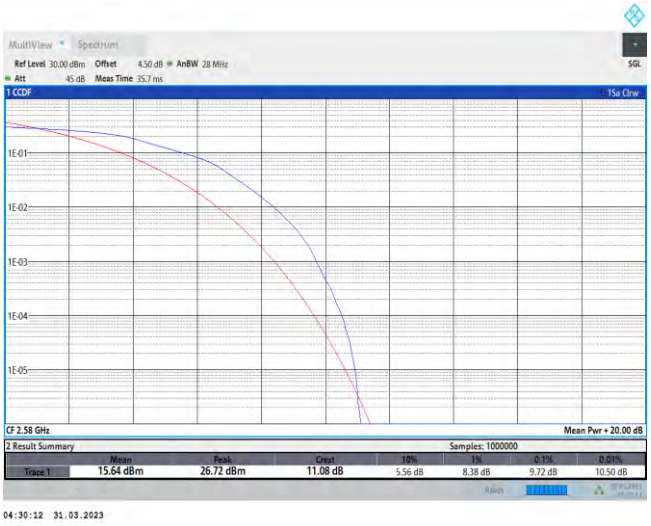

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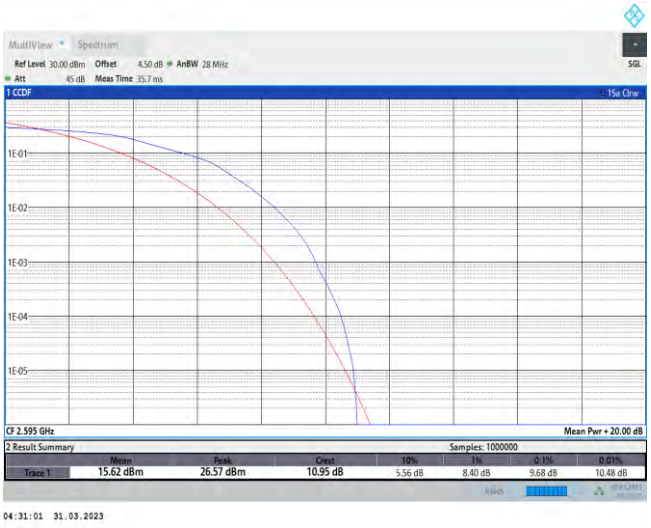
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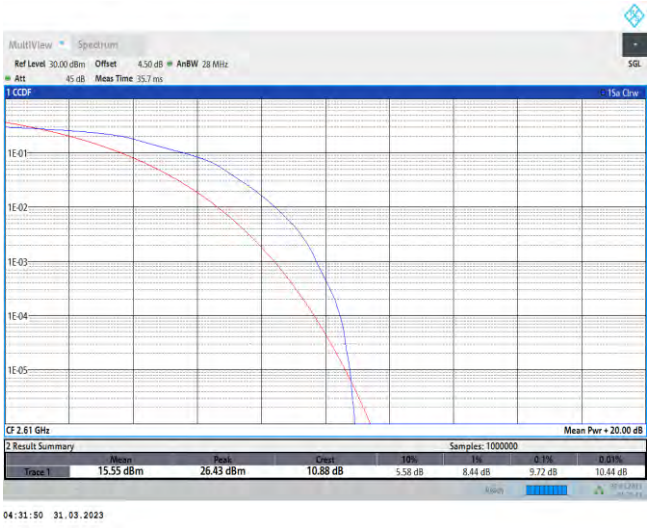

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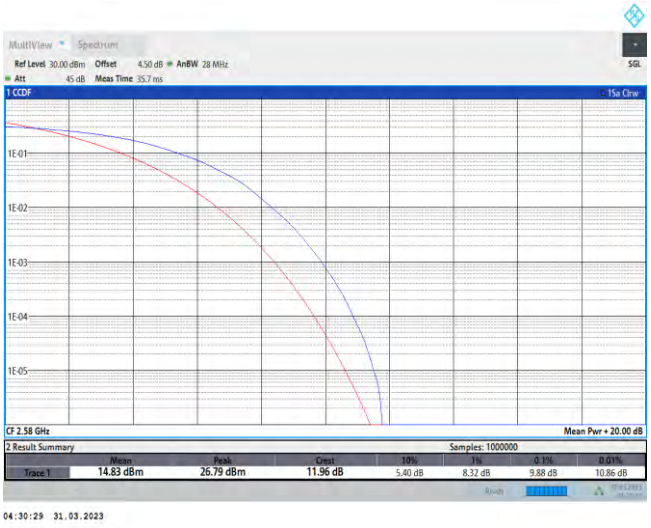
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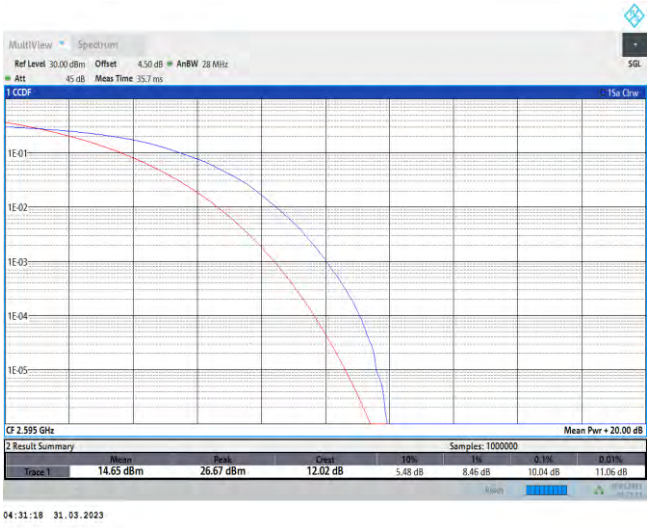

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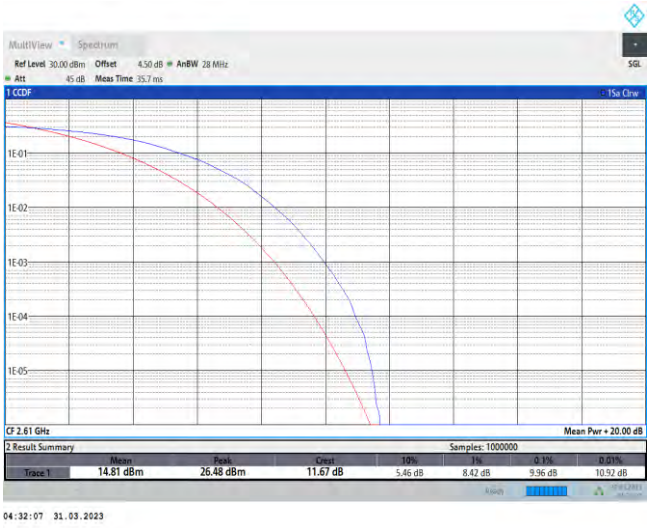
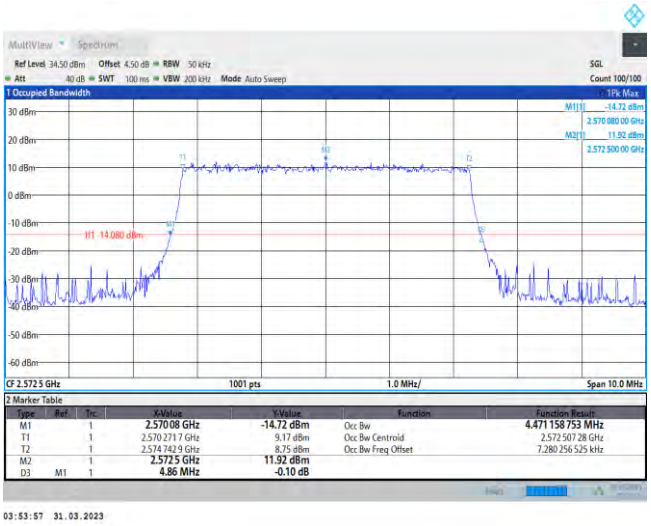


26dB Bandwidth and Occupied Bandwidth

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.471	4.86	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.468	4.72	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.472	4.86	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.463	4.84	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.459	4.72	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.463	4.87	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.466	4.67	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.46	4.64	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.473	4.85	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.905	9.62	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.916	9.66	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.909	9.68	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.908	9.56	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.924	9.62	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.907	9.56	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.917	9.66	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.92	9.62	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.916	9.66	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.447	14.79	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.473	14.76	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.478	14.70	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.442	14.79	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.45	14.73	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.438	14.70	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.402	14.73	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.413	14.79	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.416	14.70	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.904	19.32	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.881	19.32	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.878	19.32	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.851	19.40	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.82	19.40	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.822	19.40	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.844	19.40	PASS
Band38	20MHz	64QAM	38000	100RB#0	17.83	19.40	PASS
Band38	20MHz	64QAM	38150	100RB#0	17.834	19.32	PASS

Test Graphs

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

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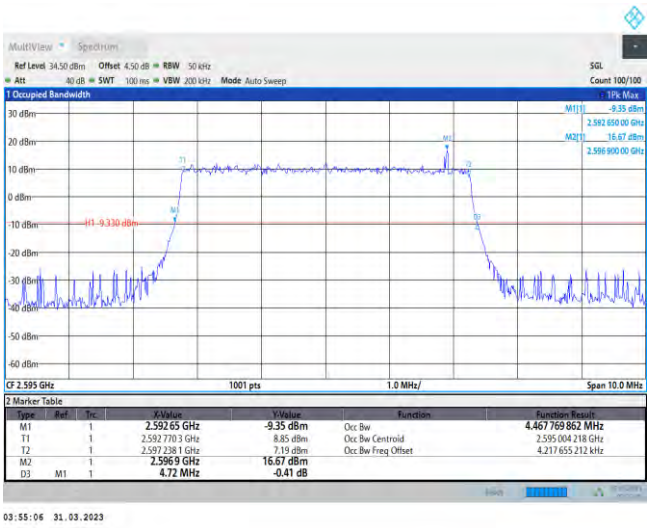
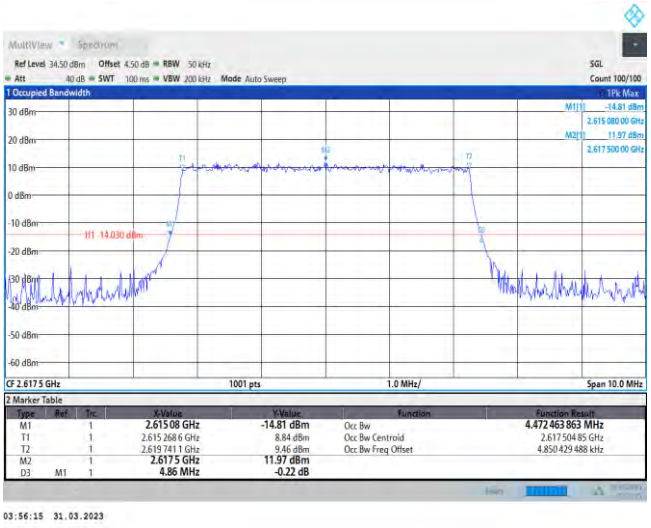


Band38-5MHz-QPSK-38225-25RB#0



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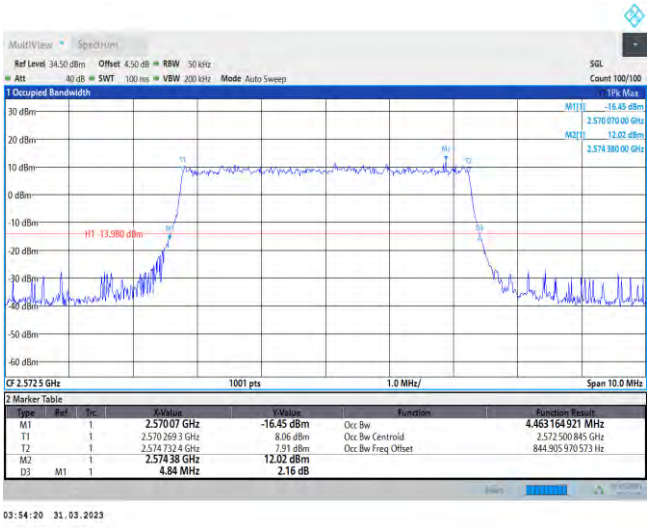
Band38-5MHz-16QAM-37775-25RB#0



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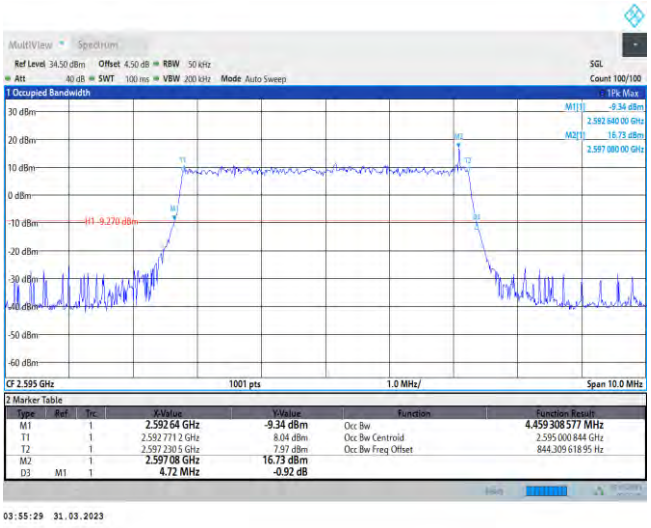

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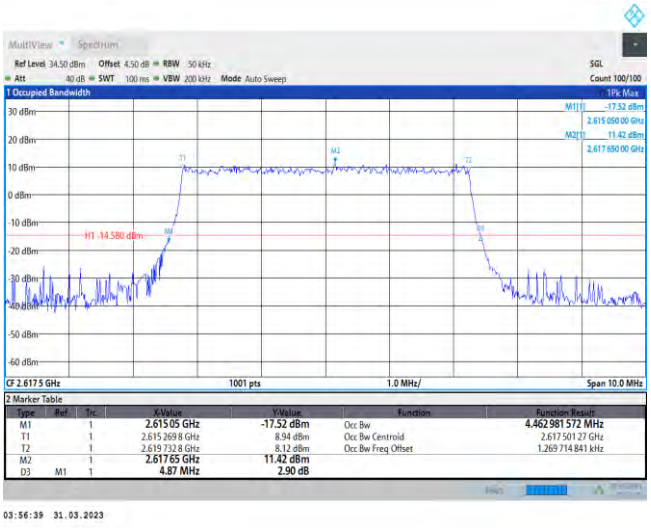

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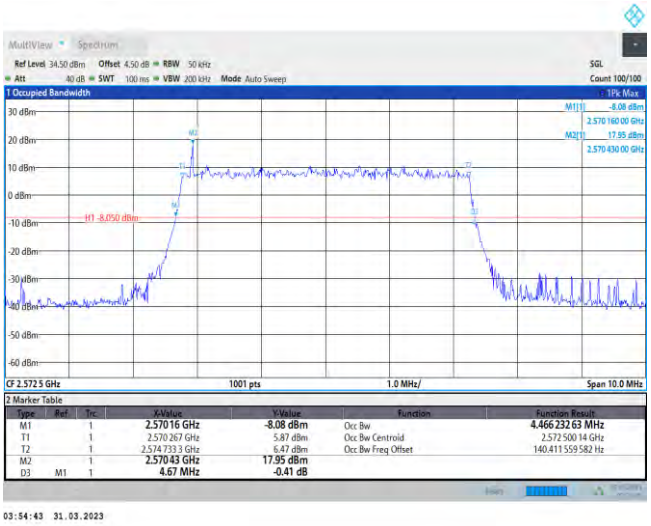
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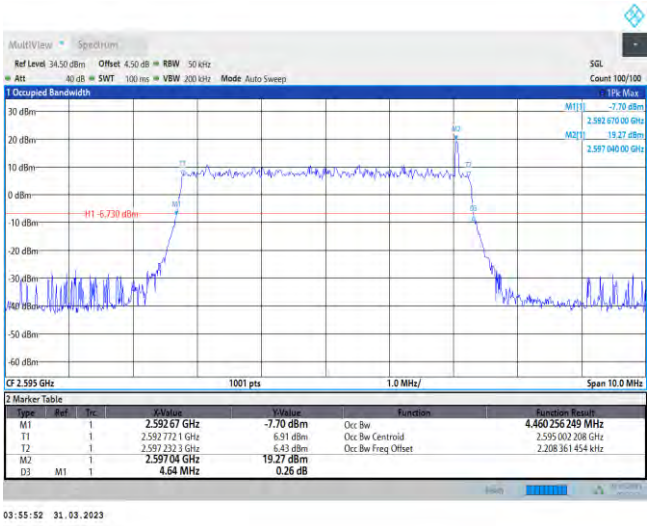

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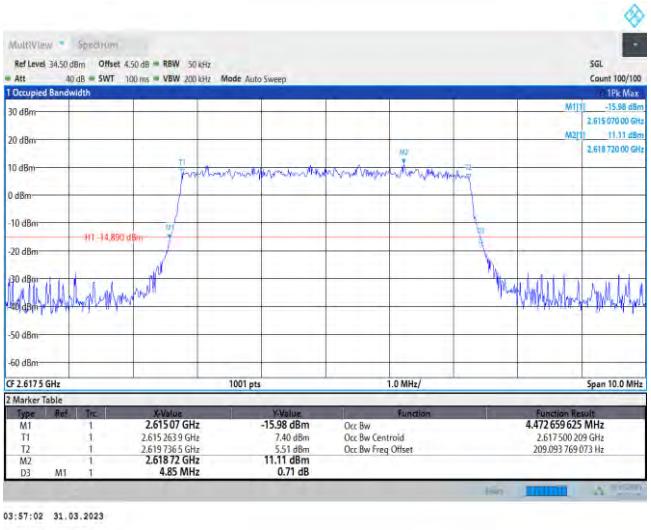

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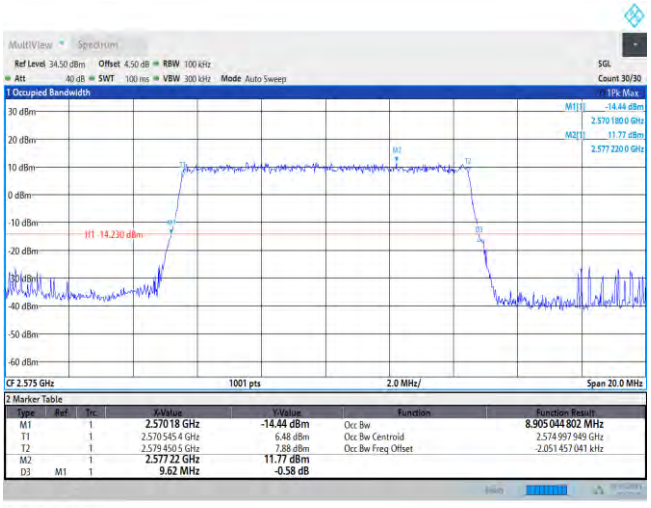

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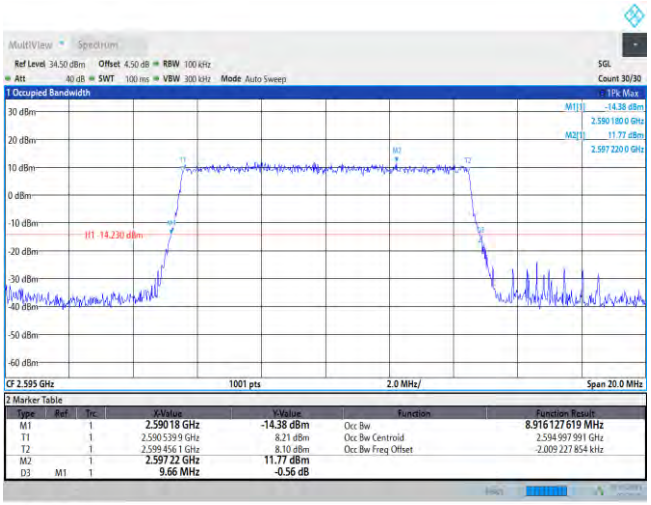

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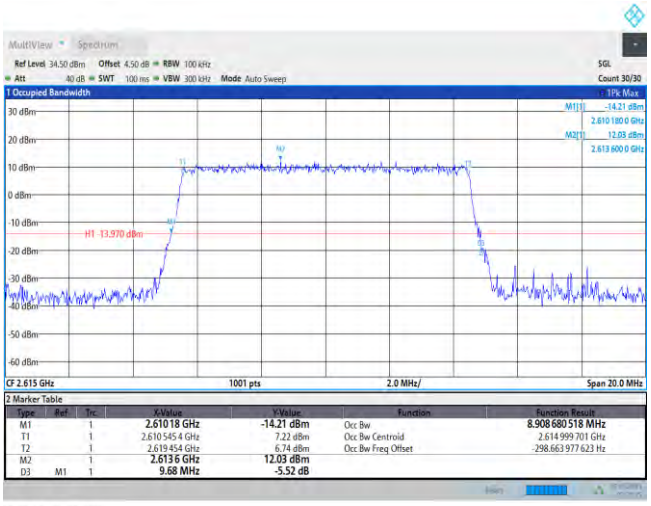

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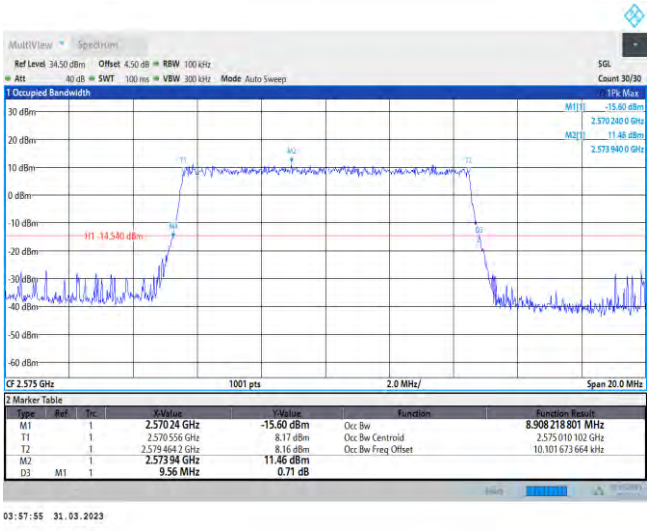

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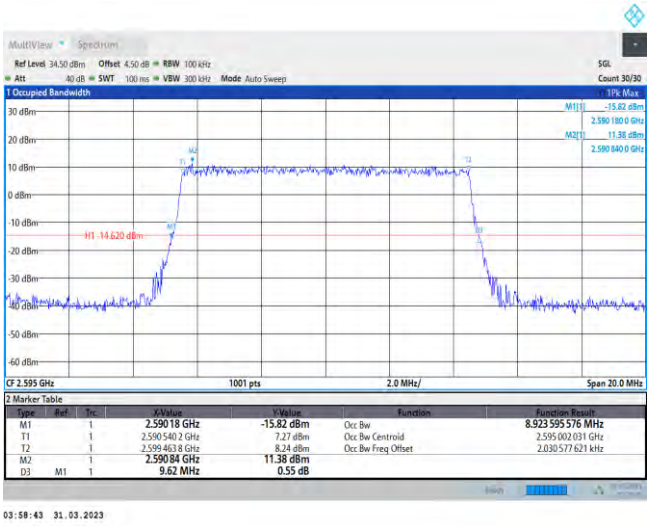

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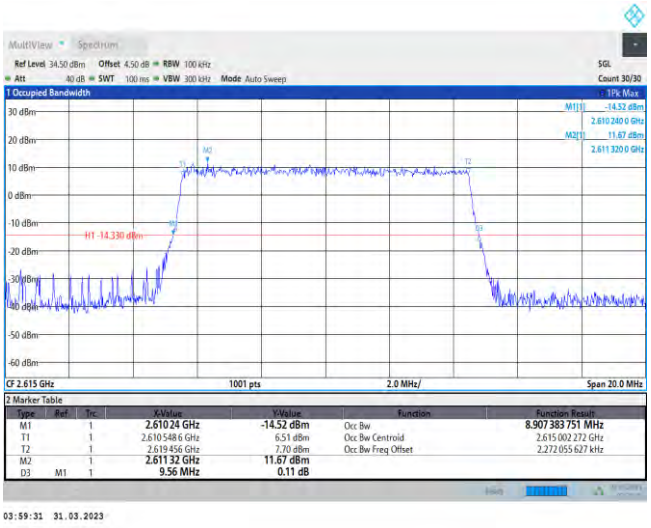
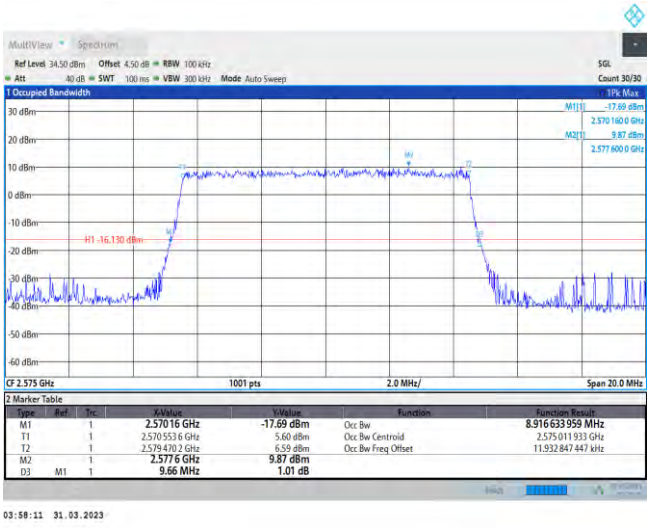

Band38-10MHz-64QAM-37800-50RB#0


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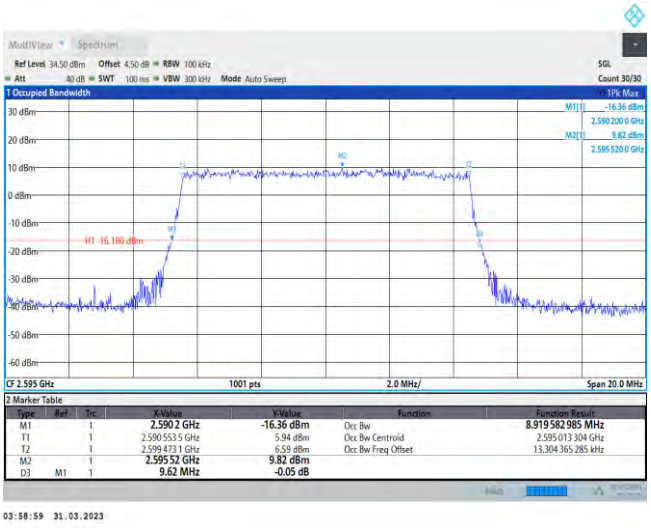

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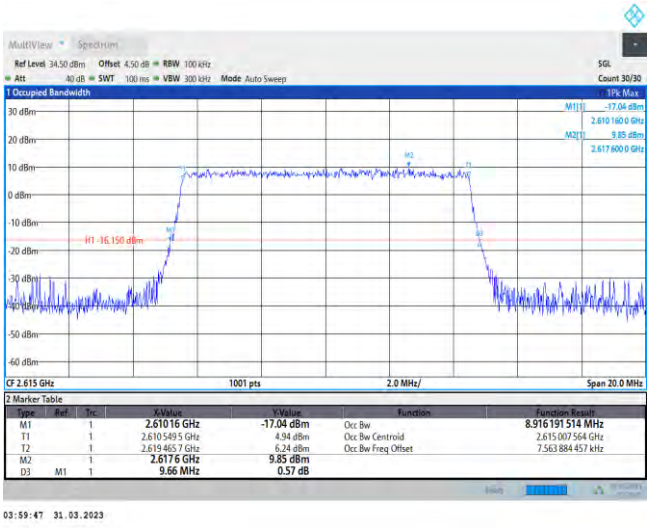
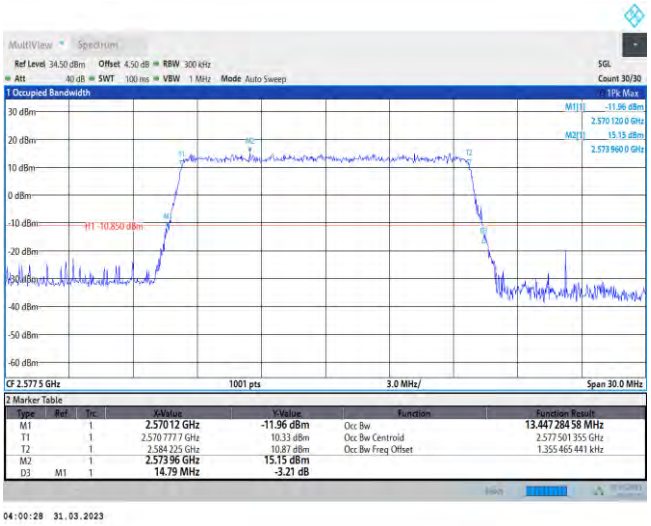


Band38-15MHz-QPSK-37825-75RB#0


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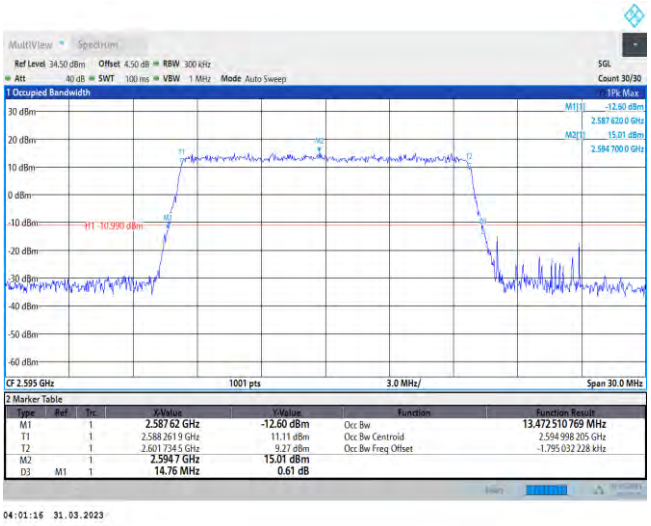

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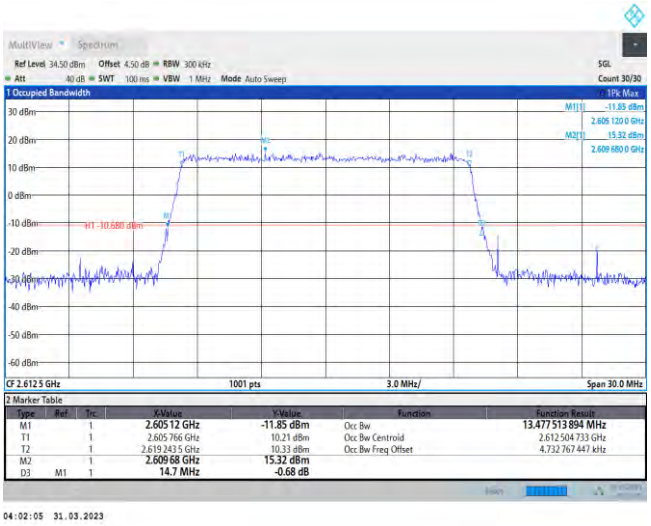

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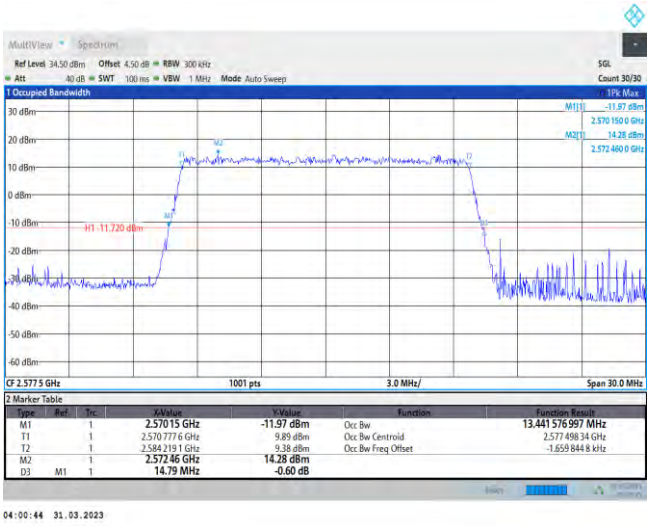
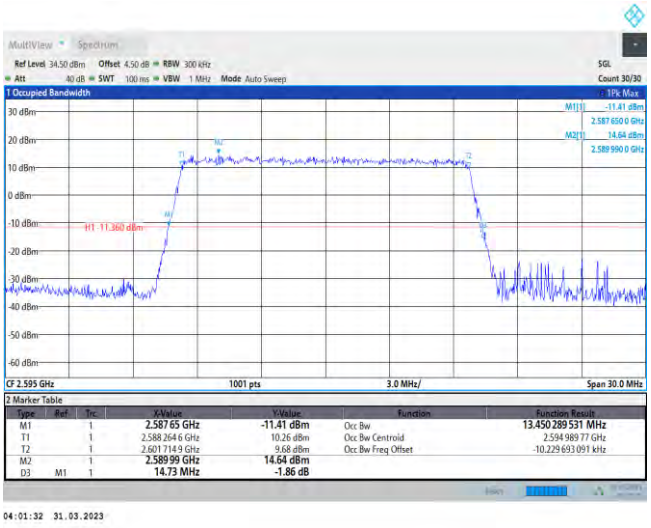


Band38-15MHz-16QAM-38000-75RB#0



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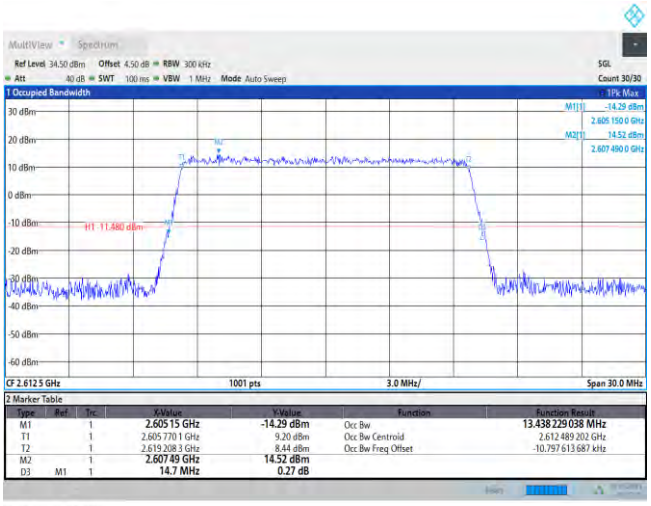

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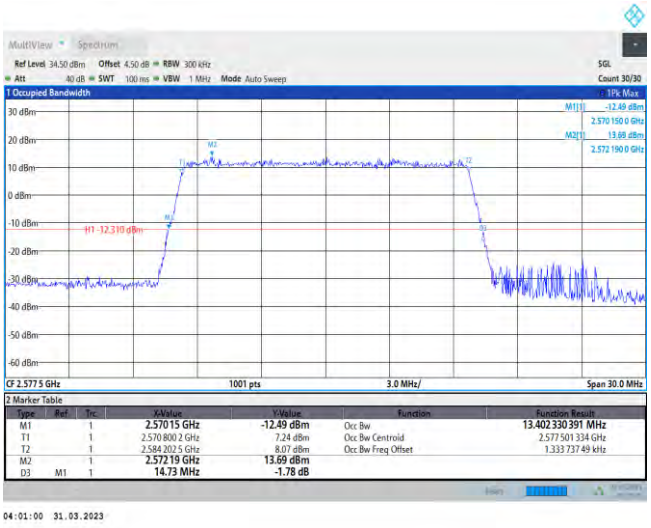

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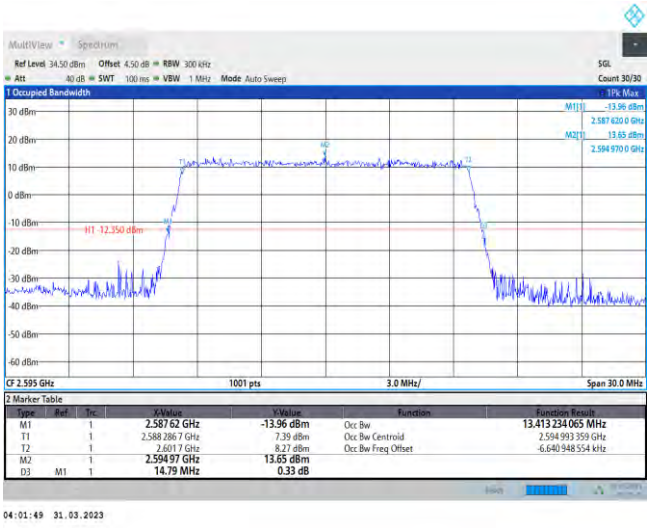

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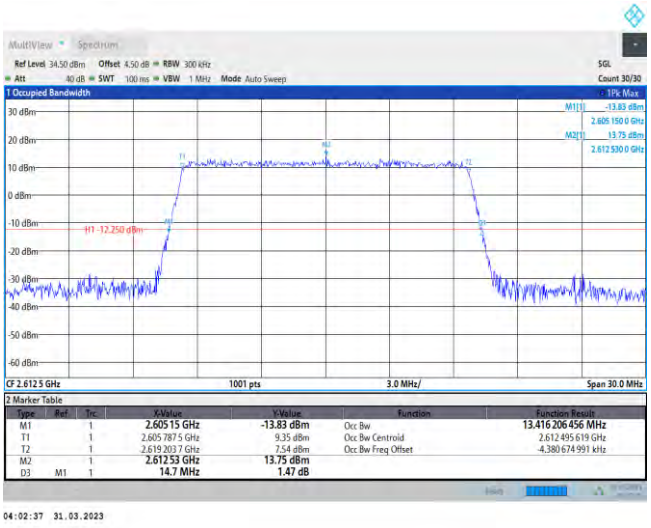

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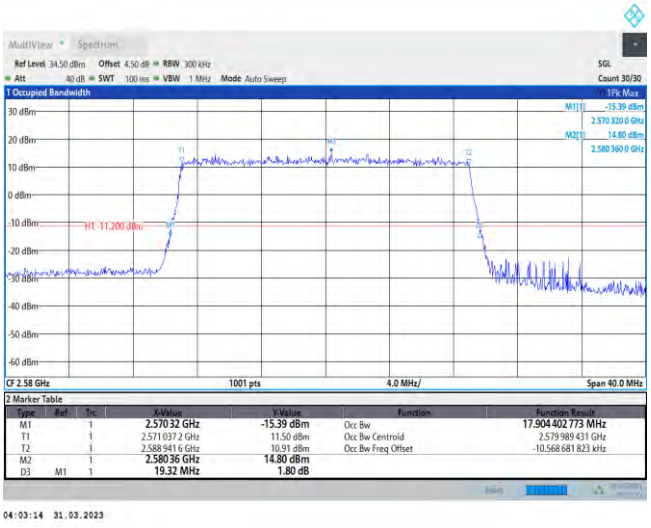
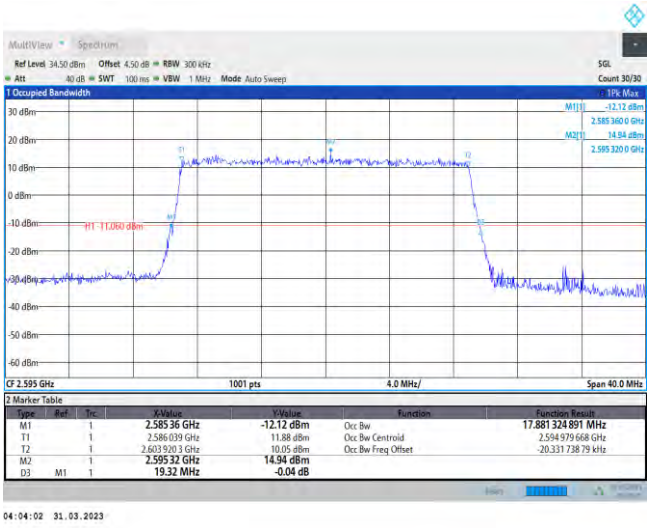
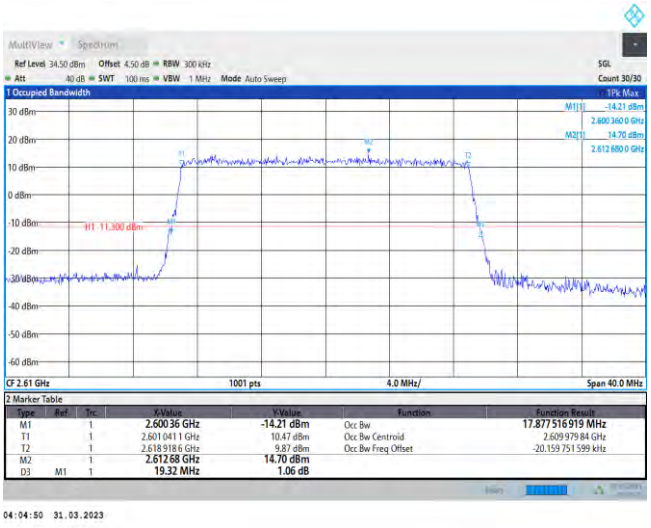
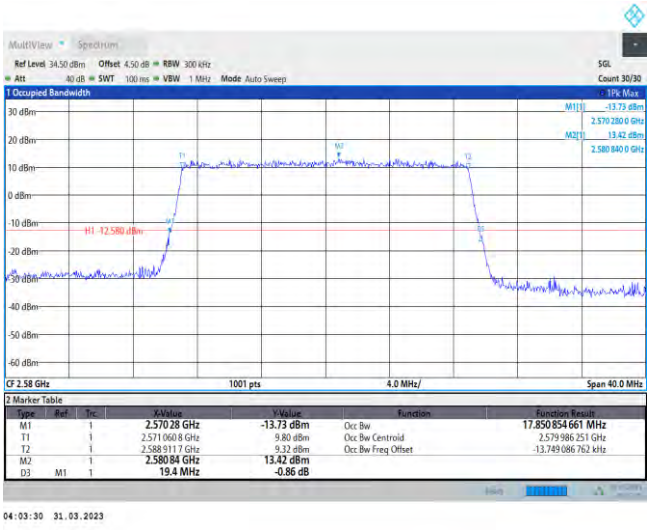


Band38-20MHz-QPSK-38000-100RB#0



Band38-20MHz-QPSK-38150-100RB#0



Band38-20MHz-16QAM-37850-100RB#0


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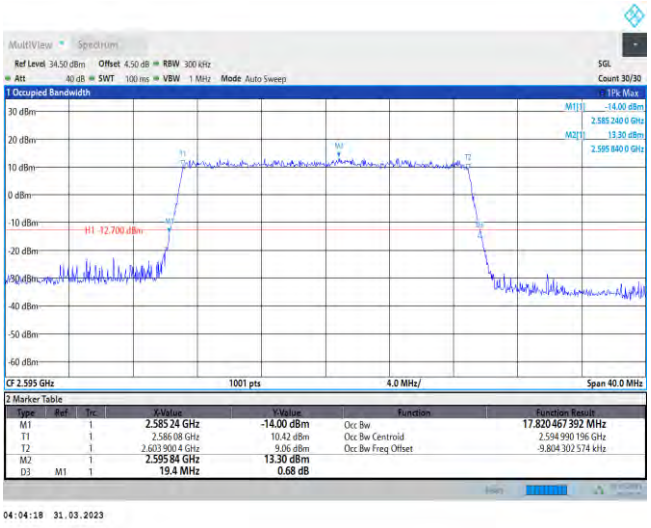

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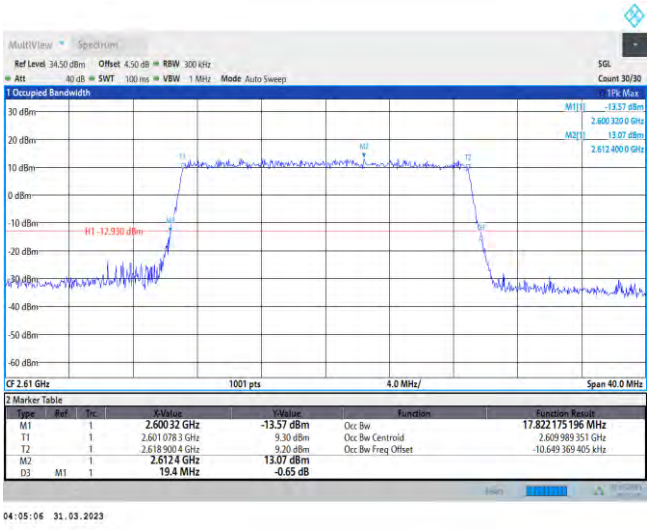

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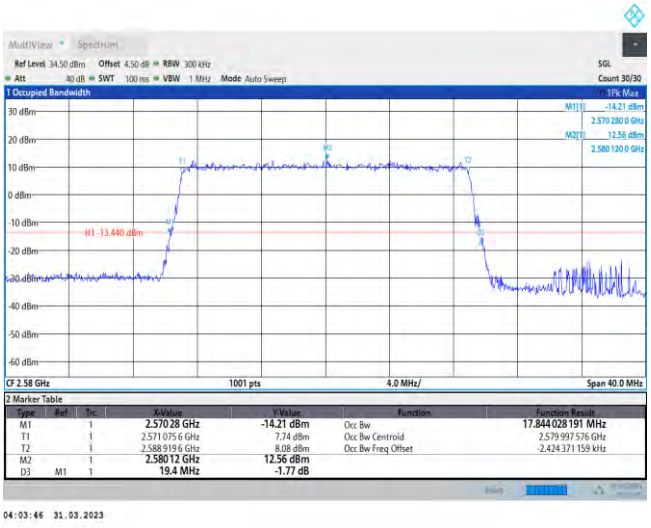

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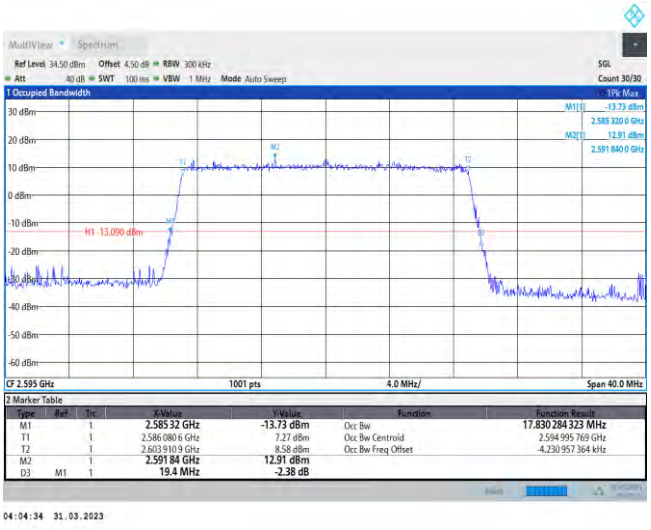

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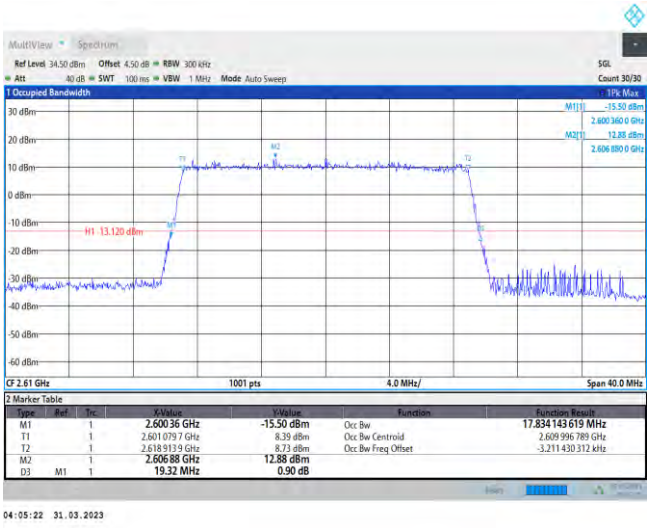
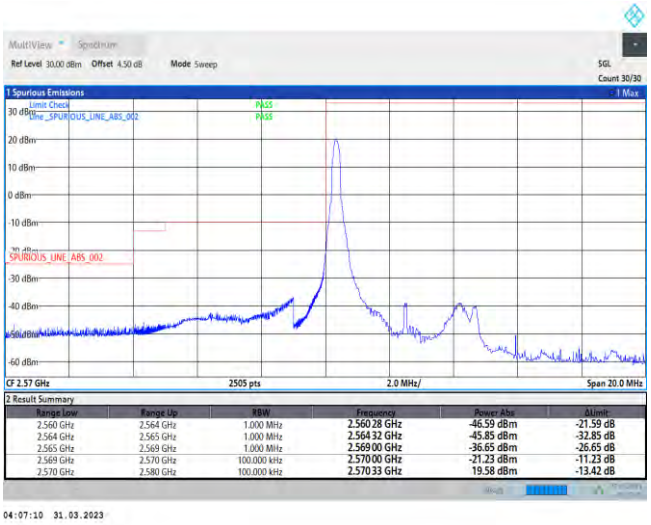


Band Edge

Test Graphs

Band38-5MHz-QPSK-37775-1RB#0


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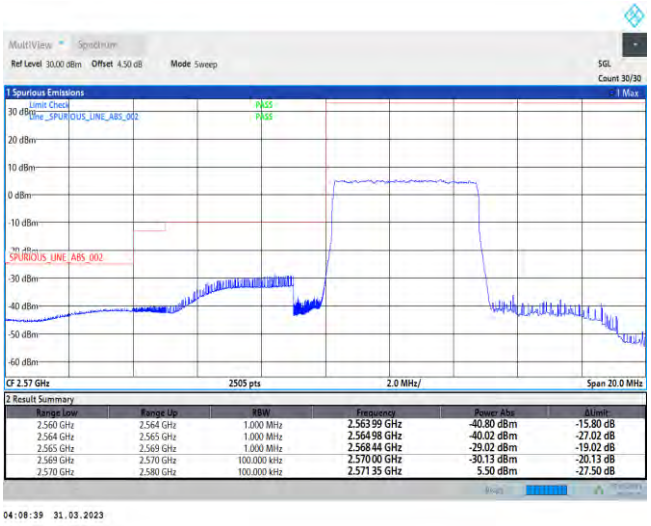
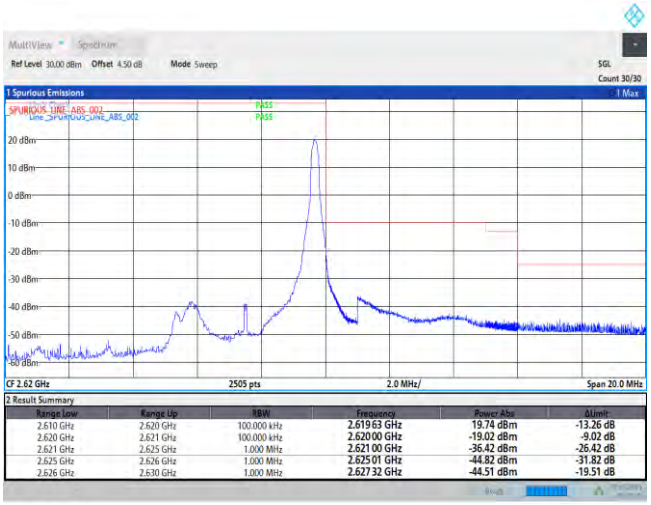
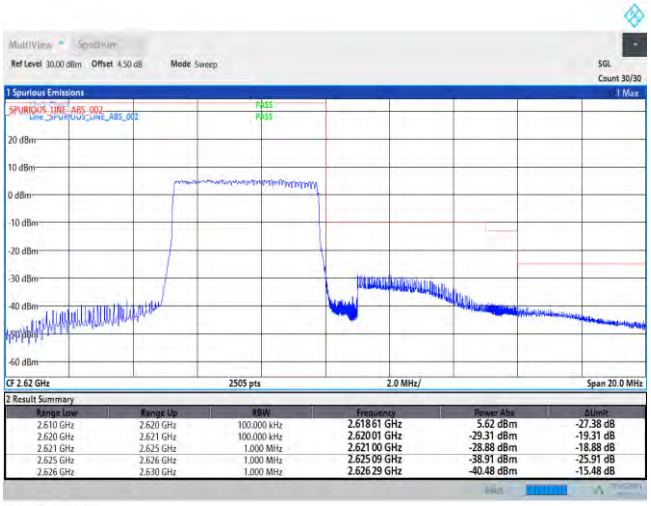


Band38-5MHz-QPSK-38225-1RB#24



Band38-5MHz-QPSK-38225-25RB#0



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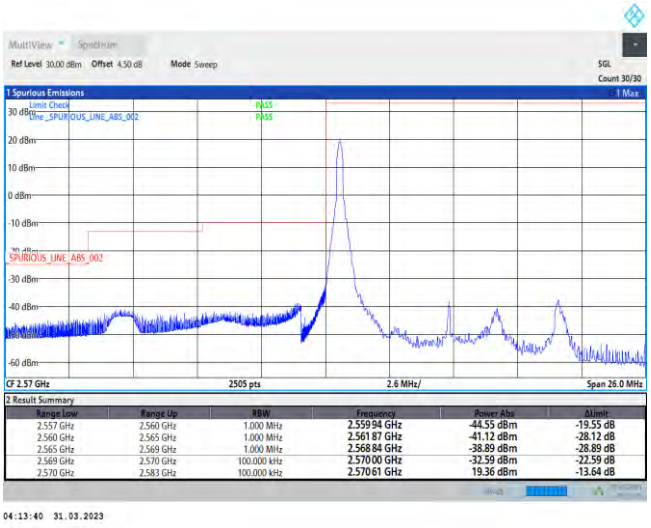
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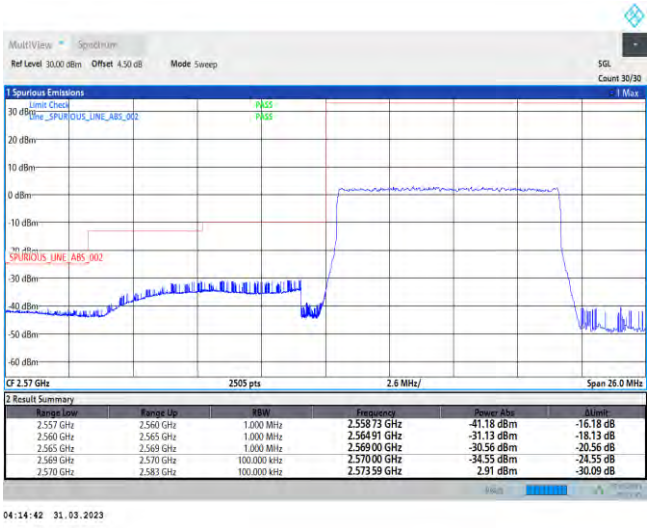

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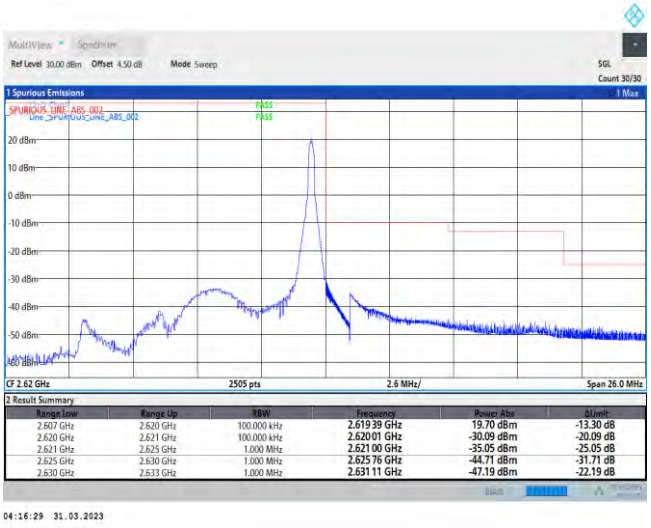
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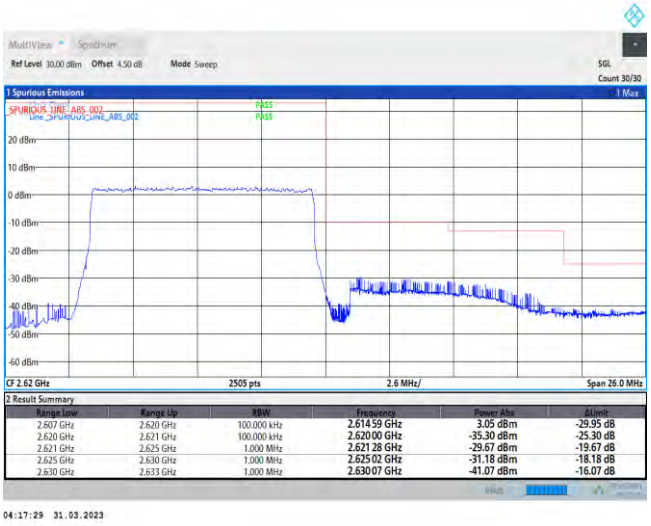

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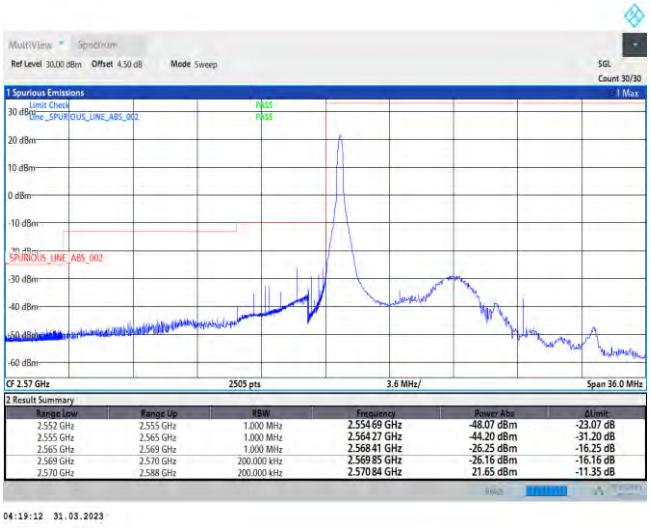

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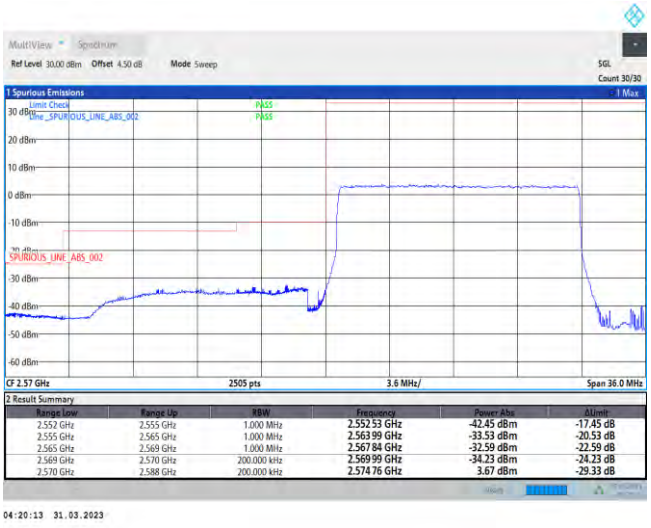

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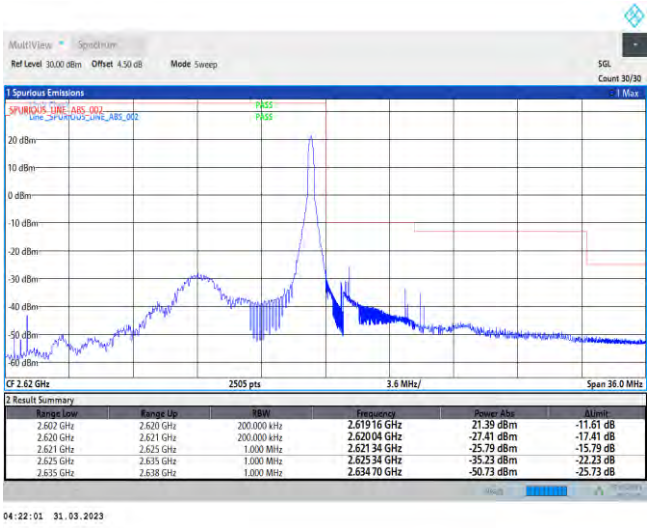
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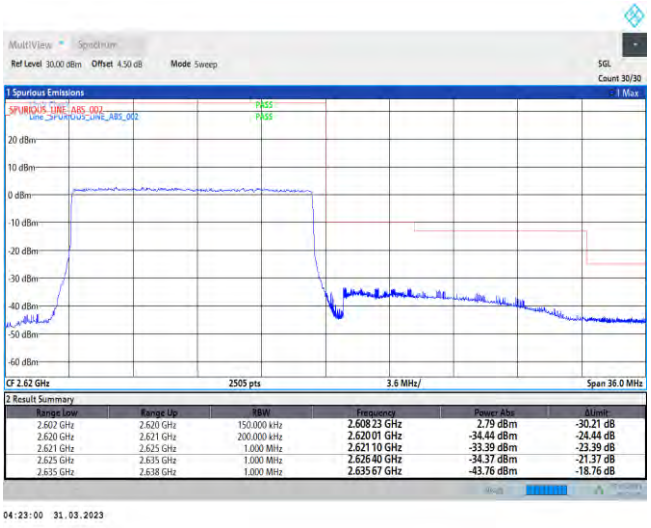
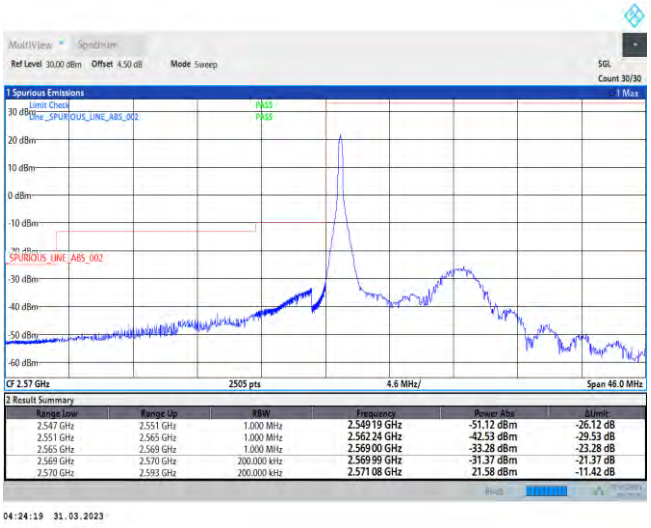


Band38-20MHz-QPSK-37850-1RB#0

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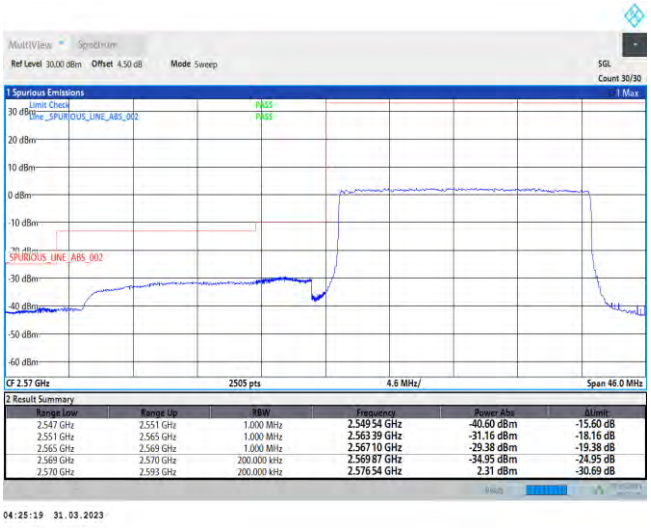

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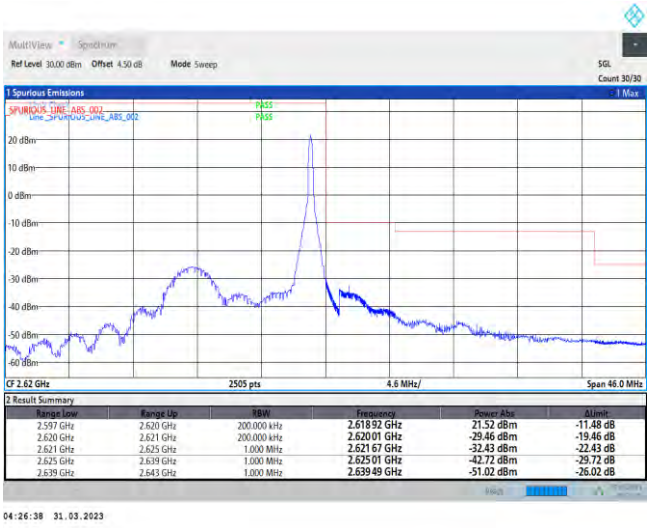
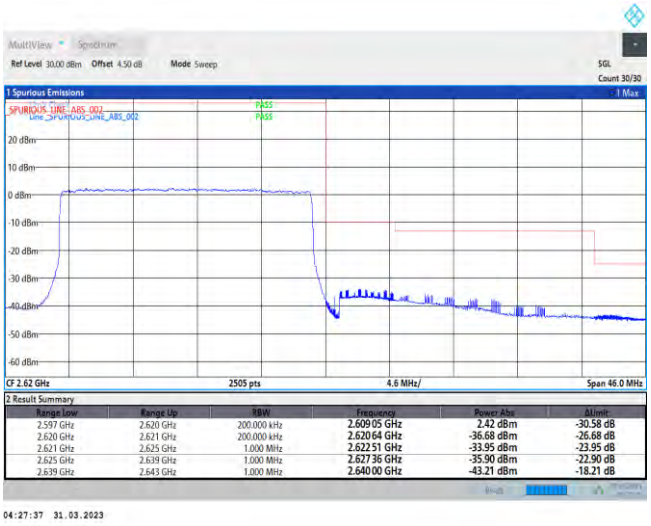
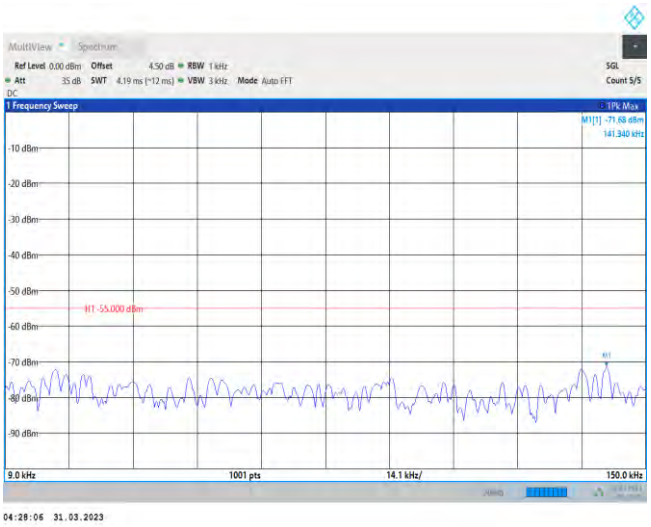
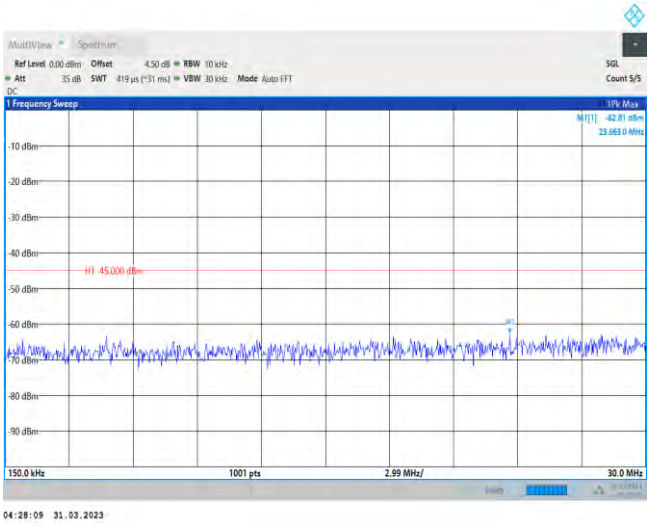
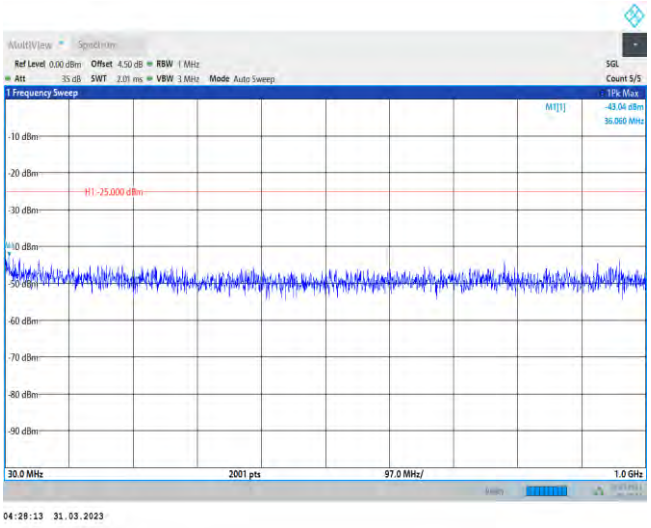
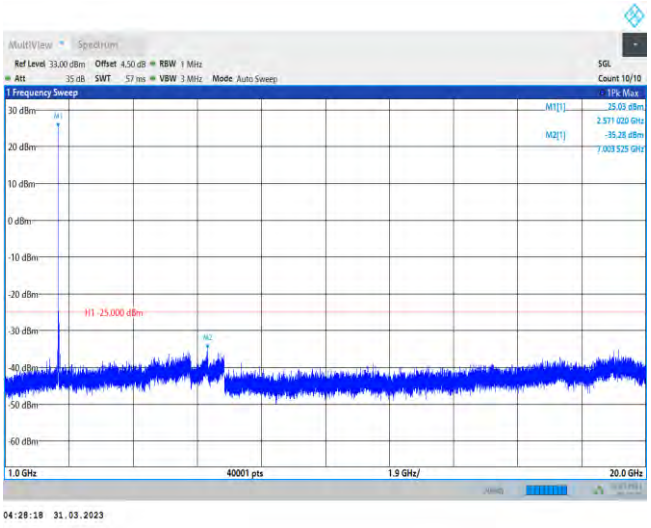
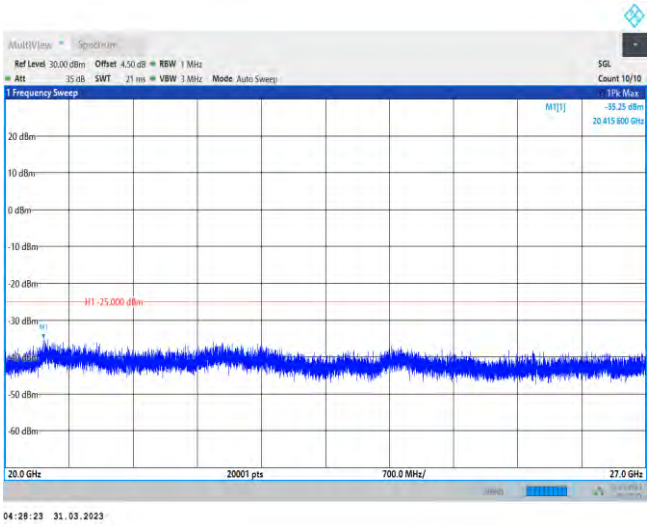
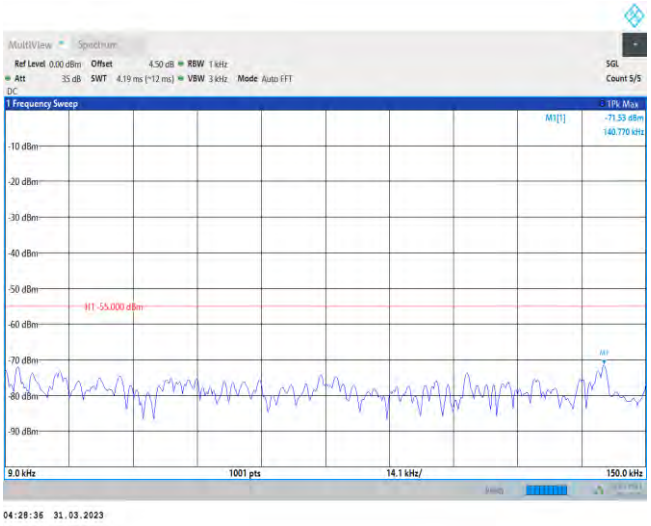

Band38-20MHz-QPSK-38150-100RB#0


Conducted Spurious Emission

Test Graphs

Band38-20MHz-QPSK-37850-1RB#0-Range1:0.009~0.15MHz

Band38-20MHz-QPSK-37850-1RB#0-Range2:0.15~30MHz


Band38-20MHz-QPSK-37850-1RB#0-Range3:30~1000MHz

Band38-20MHz-QPSK-37850-1RB#0-Range4:1000~20000MHz


Band38-20MHz-QPSK-37850-1RB#0-Range5:20000~27000MHz

Band38-20MHz-QPSK-38000-1RB#0-Range1:0.009~0.15MHz


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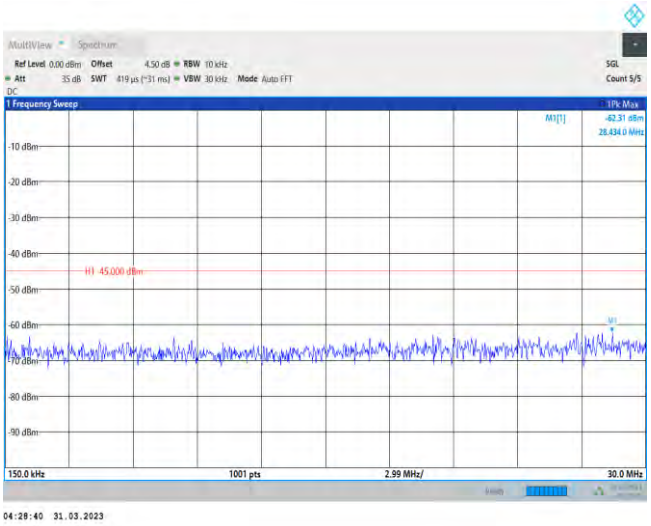
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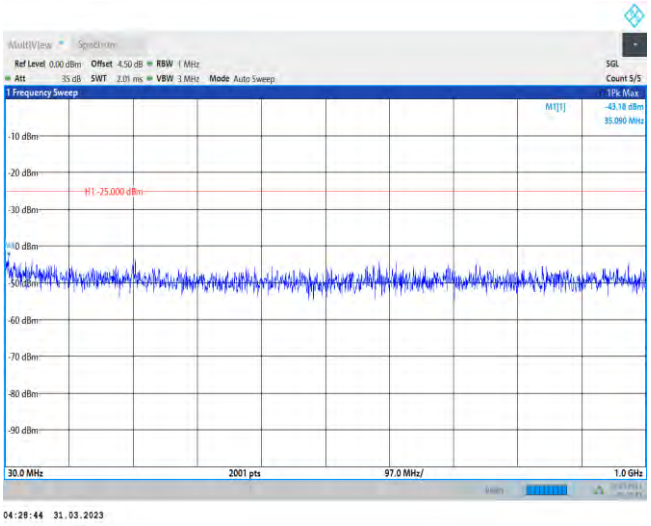
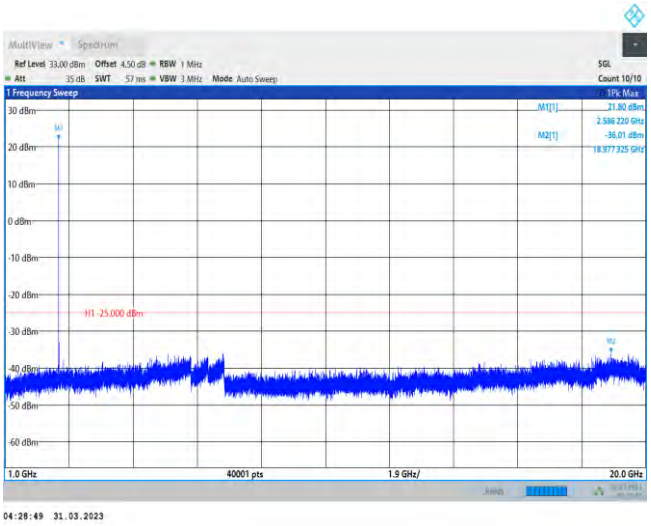
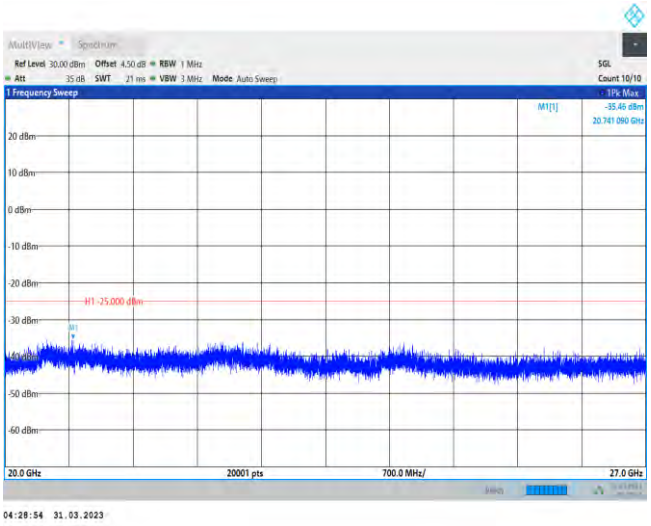
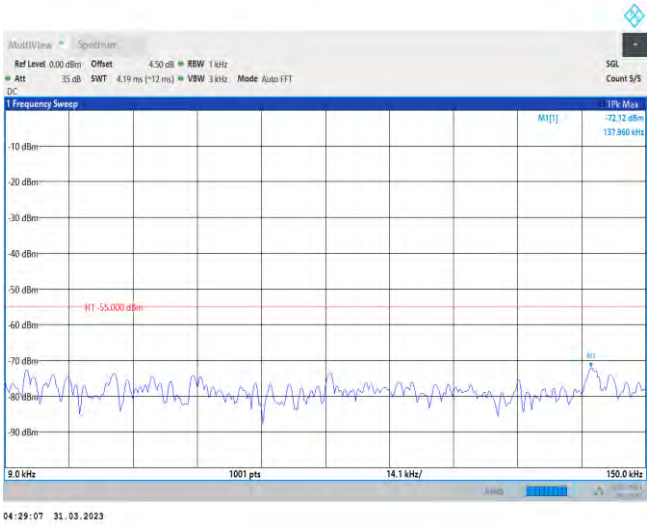


Band38-20MHz-QPSK-38000-1RB#0-Range4:1000~20000MHz

Band38-20MHz-QPSK-38000-1RB#0-Range5:20000~27000MHz


Band38-20MHz-QPSK-38150-1RB#0-Range1:0.009~0.15MHz

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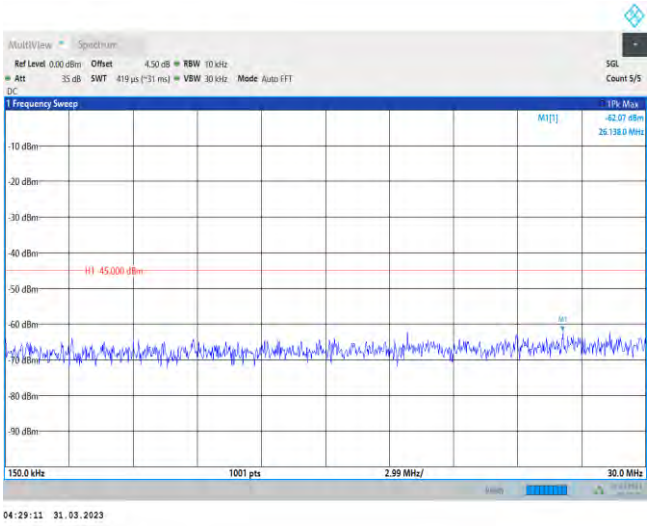
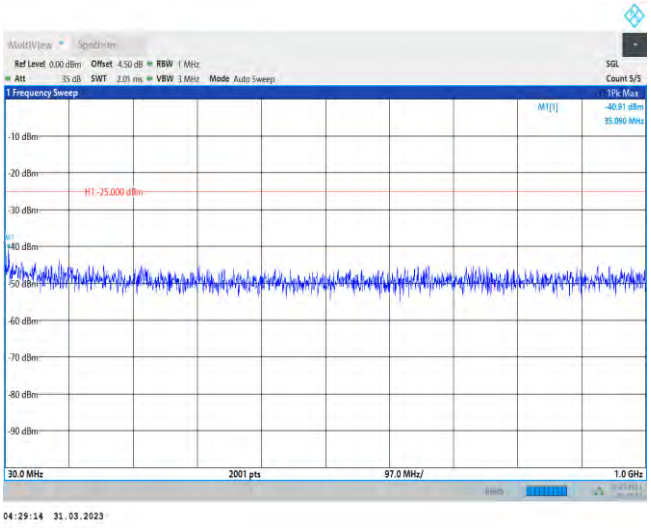
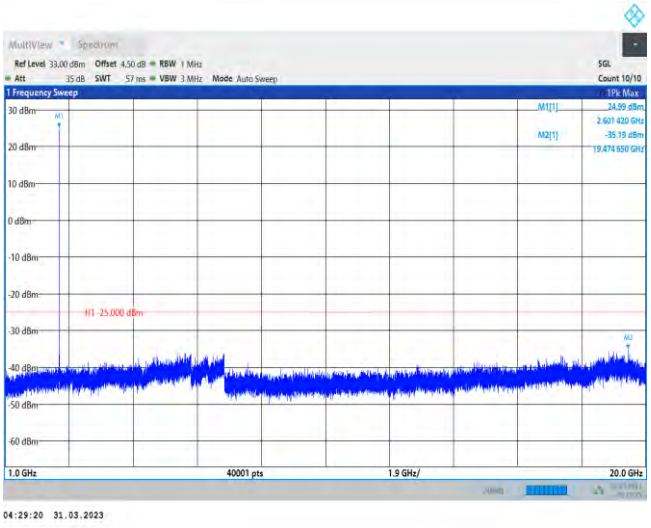
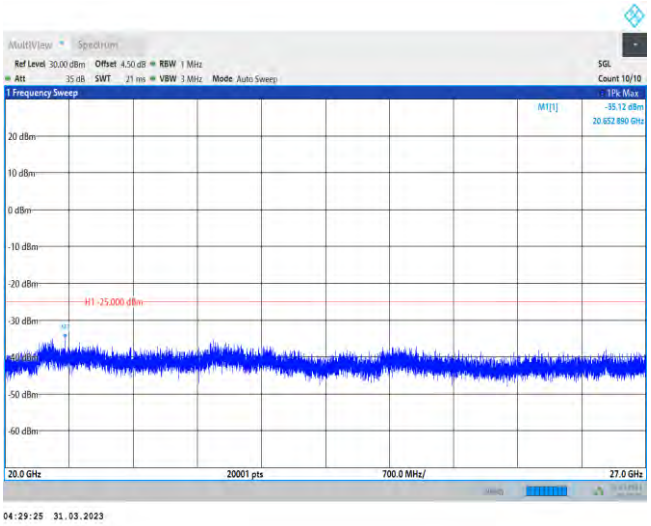


Band38-20MHz-QPSK-38150-1RB#0-Range3:30~1000MHz

Band38-20MHz-QPSK-38150-1RB#0-Range4:1000~20000MHz


Band38-20MHz-QPSK-38150-1RB#0-Range5:20000~27000MHz


Field Strength of Spurious Radiation

Test Band = LTE Band 38_ TM1
Test Channel = Low Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	42.04	-44.23	32.60	-64.85	-25.00	39.85	263	295	Horizontal
2	7713.27	37.47	-41.23	36.93	-62.10	-25.00	37.10	241	19	Horizontal
3	10284.36	33.44	-36.79	38.81	-59.79	-25.00	34.79	142	295	Horizontal
4	12855.45	31.96	-34.96	39.46	-58.81	-25.00	33.81	255	273	Horizontal
5	15426.54	31.74	-33.95	38.64	-58.83	-25.00	33.83	286	209	Horizontal
6	17997.63	31.57	-31.42	42.59	-52.52	-25.00	27.52	226	295	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	5142.18	40.82	-44.23	32.60	-66.07	-25.00	41.07	241	190	Vertical
2	7713.27	38.19	-41.23	36.93	-61.38	-25.00	36.38	185	360	Vertical
3	10284.36	33.79	-36.79	38.81	-59.44	-25.00	34.44	263	335	Vertical
4	12855.45	32.90	-34.96	39.46	-57.87	-25.00	32.87	265	360	Vertical
5	15426.54	30.76	-33.95	38.64	-59.81	-25.00	34.81	241	148	Vertical
6	17997.63	30.86	-31.42	42.59	-53.23	-25.00	28.23	188	209	Vertical

Test Band = LTE Band 38_ TM1
Test Channel = Mid Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17993.5	33.04	-31.41	42.57	-51.05	-25.00	26.05	201	148	Horizontal
2	5172.18	41.86	-44.19	32.60	-64.99	-25.00	39.99	174	360	Horizontal
3	7758.27	38.35	-40.91	37.02	-60.81	-25.00	35.81	142	314	Horizontal
4	10344.36	34.78	-36.67	38.88	-58.27	-25.00	33.27	265	105	Horizontal
5	12930.45	32.79	-34.88	39.53	-57.82	-25.00	32.82	285	62	Horizontal
6	15516.54	30.98	-34.12	38.53	-59.87	-25.00	34.87	244	350	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBµV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17930	32.52	-31.17	42.32	-51.59	-25.00	26.59	202	40	Vertical
2	5172.18	40.99	-44.19	32.60	-65.86	-25.00	40.86	263	249	Vertical
3	7758.27	38.89	-40.91	37.02	-60.27	-25.00	35.27	265	40	Vertical
4	10344.36	33.70	-36.67	38.88	-59.35	-25.00	34.35	284	356	Vertical
5	12930.45	32.87	-34.88	39.53	-57.74	-25.00	32.74	142	309	Vertical
6	15516.54	31.32	-34.12	38.53	-59.53	-25.00	34.53	226	3	Vertical

Test Band = LTE Band 38_ TM1
Test Channel = High Channel

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17991	32.95	-31.40	42.56	-51.14	-25.00	26.14	265	129	Horizontal
2	5202.18	40.94	-44.15	32.60	-65.87	-25.00	40.87	284	129	Horizontal
3	7803.27	38.36	-40.62	37.11	-60.41	-25.00	35.41	142	254	Horizontal
4	10404.36	31.78	-36.47	38.94	-61.00	-25.00	36.00	263	233	Horizontal
5	13005.45	33.77	-34.89	39.60	-56.78	-25.00	31.78	266	276	Horizontal
6	15606.54	31.55	-33.90	38.41	-59.20	-25.00	34.20	299	108	Horizontal

Final Data List										
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Height [cm]	Angle [°]	Polarity
1	17832.5	32.69	-30.89	41.93	-51.53	-25.00	26.53	326	257	Vertical
2	5202.18	41.35	-44.15	32.60	-65.46	-25.00	40.46	284	192	Vertical
3	7803.27	38.62	-40.62	37.11	-60.15	-25.00	35.15	142	235	Vertical
4	10404.36	30.81	-36.47	38.94	-61.97	-25.00	36.97	263	360	Vertical
5	13005.45	33.02	-34.89	39.60	-57.53	-25.00	32.53	225	342	Vertical
6	15606.54	30.86	-33.90	38.41	-59.89	-25.00	34.89	287	235	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

Frequency Stability

Test Result

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-6.20	-0.002389	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-2.00	-0.000771	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-1.60	-0.000617	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Verdict
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-9.40	-0.003622	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-8.80	-0.003391	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-8.10	-0.003121	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-3.50	-0.001349	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-4.00	-0.001541	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-13.60	-0.005241	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-8.70	-0.003353	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-16.00	-0.006166	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-4.20	-0.001618	PASS

---End of Attachment---