



Appendix B

E-UTRA Band 38



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1 Effective (Isotropic) Radiated Power

1.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	EIRP (dBm)	Limit (dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	23.22	21.82	33	PASS
Band38	5MHz	QPSK	37775	1RB#12	23.10	21.70	33	PASS
Band38	5MHz	QPSK	37775	1RB#24	22.97	21.57	33	PASS
Band38	5MHz	QPSK	37775	12RB#6	22.14	20.74	33	PASS
Band38	5MHz	QPSK	37775	12RB#0	22.23	20.83	33	PASS
Band38	5MHz	QPSK	37775	12RB#13	22.11	20.71	33	PASS
Band38	5MHz	QPSK	37775	25RB#0	22.17	20.77	33	PASS
Band38	5MHz	QPSK	38000	1RB#24	22.82	21.42	33	PASS
Band38	5MHz	QPSK	38000	1RB#0	22.96	21.56	33	PASS
Band38	5MHz	QPSK	38000	1RB#12	22.83	21.43	33	PASS
Band38	5MHz	QPSK	38000	12RB#0	22.02	20.62	33	PASS
Band38	5MHz	QPSK	38000	12RB#6	21.97	20.57	33	PASS
Band38	5MHz	QPSK	38000	12RB#13	21.91	20.51	33	PASS
Band38	5MHz	QPSK	38000	25RB#0	21.97	20.57	33	PASS
Band38	5MHz	QPSK	38225	1RB#12	22.36	20.96	33	PASS
Band38	5MHz	QPSK	38225	1RB#0	22.61	21.21	33	PASS
Band38	5MHz	QPSK	38225	1RB#24	22.28	20.88	33	PASS
Band38	5MHz	QPSK	38225	12RB#13	21.46	20.06	33	PASS
Band38	5MHz	QPSK	38225	12RB#6	21.48	20.08	33	PASS
Band38	5MHz	QPSK	38225	12RB#0	21.54	20.14	33	PASS
Band38	5MHz	QPSK	38225	25RB#0	21.54	20.14	33	PASS
Band38	5MHz	64QAM	37775	1RB#0	21.54	20.14	33	PASS
Band38	5MHz	64QAM	37775	1RB#24	21.32	19.92	33	PASS
Band38	5MHz	64QAM	37775	1RB#12	21.50	20.10	33	PASS
Band38	5MHz	64QAM	37775	12RB#0	20.38	18.98	33	PASS
Band38	5MHz	64QAM	37775	12RB#6	20.29	18.89	33	PASS
Band38	5MHz	64QAM	37775	12RB#13	20.33	18.93	33	PASS



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Band38	5MHz	64QAM	37775	25RB#0	20.34	18.94	33	PASS
Band38	5MHz	64QAM	38000	1RB#0	21.18	19.78	33	PASS
Band38	5MHz	64QAM	38000	1RB#12	21.35	19.95	33	PASS
Band38	5MHz	64QAM	38000	1RB#24	21.15	19.75	33	PASS
Band38	5MHz	64QAM	38000	12RB#13	20.07	18.67	33	PASS
Band38	5MHz	64QAM	38000	12RB#6	20.11	18.71	33	PASS
Band38	5MHz	64QAM	38000	12RB#0	20.12	18.72	33	PASS
Band38	5MHz	64QAM	38000	25RB#0	20.12	18.72	33	PASS
Band38	5MHz	64QAM	38225	1RB#0	21.01	19.61	33	PASS
Band38	5MHz	64QAM	38225	1RB#12	21.00	19.60	33	PASS
Band38	5MHz	64QAM	38225	1RB#24	20.78	19.38	33	PASS
Band38	5MHz	64QAM	38225	12RB#0	19.67	18.27	33	PASS
Band38	5MHz	64QAM	38225	12RB#6	19.67	18.27	33	PASS
Band38	5MHz	64QAM	38225	12RB#13	19.63	18.23	33	PASS
Band38	5MHz	64QAM	38225	25RB#0	19.65	18.25	33	PASS
Band38	5MHz	16QAM	37775	1RB#0	22.53	21.13	33	PASS
Band38	5MHz	16QAM	37775	1RB#24	22.35	20.95	33	PASS
Band38	5MHz	16QAM	37775	1RB#12	22.39	20.99	33	PASS
Band38	5MHz	16QAM	37775	12RB#13	21.25	19.85	33	PASS
Band38	5MHz	16QAM	37775	12RB#6	21.29	19.89	33	PASS
Band38	5MHz	16QAM	37775	12RB#0	21.32	19.92	33	PASS
Band38	5MHz	16QAM	37775	25RB#0	21.20	19.80	33	PASS
Band38	5MHz	16QAM	38000	1RB#0	22.26	20.86	33	PASS
Band38	5MHz	16QAM	38000	1RB#12	22.18	20.78	33	PASS
Band38	5MHz	16QAM	38000	1RB#24	22.12	20.72	33	PASS
Band38	5MHz	16QAM	38000	12RB#0	21.11	19.71	33	PASS
Band38	5MHz	16QAM	38000	12RB#6	21.07	19.67	33	PASS
Band38	5MHz	16QAM	38000	12RB#13	21.02	19.62	33	PASS
Band38	5MHz	16QAM	38000	25RB#0	20.94	19.54	33	PASS
Band38	5MHz	16QAM	38225	1RB#0	21.82	20.42	33	PASS
Band38	5MHz	16QAM	38225	1RB#24	21.64	20.24	33	PASS
Band38	5MHz	16QAM	38225	1RB#12	21.63	20.23	33	PASS
Band38	5MHz	16QAM	38225	12RB#0	20.62	19.22	33	PASS



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Band38	5MHz	16QAM	38225	12RB#6	20.61	19.21	33	PASS
Band38	5MHz	16QAM	38225	12RB#13	20.53	19.13	33	PASS
Band38	5MHz	16QAM	38225	25RB#0	20.53	19.13	33	PASS
Band38	10MHz	QPSK	37800	1RB#49	22.76	21.36	33	PASS
Band38	10MHz	QPSK	37800	1RB#24	23.20	21.80	33	PASS
Band38	10MHz	QPSK	37800	1RB#0	23.34	21.94	33	PASS
Band38	10MHz	QPSK	37800	25RB#12	22.15	20.75	33	PASS
Band38	10MHz	QPSK	37800	25RB#0	22.32	20.92	33	PASS
Band38	10MHz	QPSK	37800	25RB#25	22.11	20.71	33	PASS
Band38	10MHz	QPSK	37800	50RB#0	22.18	20.78	33	PASS
Band38	10MHz	QPSK	38000	1RB#24	22.99	21.59	33	PASS
Band38	10MHz	QPSK	38000	1RB#49	22.82	21.42	33	PASS
Band38	10MHz	QPSK	38000	1RB#0	23.00	21.60	33	PASS
Band38	10MHz	QPSK	38000	25RB#25	21.98	20.58	33	PASS
Band38	10MHz	QPSK	38000	25RB#0	22.02	20.62	33	PASS
Band38	10MHz	QPSK	38000	25RB#12	21.97	20.57	33	PASS
Band38	10MHz	QPSK	38000	50RB#0	21.99	20.59	33	PASS
Band38	10MHz	QPSK	38200	1RB#49	22.36	20.96	33	PASS
Band38	10MHz	QPSK	38200	1RB#24	22.77	21.37	33	PASS
Band38	10MHz	QPSK	38200	1RB#0	22.80	21.40	33	PASS
Band38	10MHz	QPSK	38200	25RB#25	21.57	20.17	33	PASS
Band38	10MHz	QPSK	38200	25RB#0	21.70	20.30	33	PASS
Band38	10MHz	QPSK	38200	25RB#12	21.65	20.25	33	PASS
Band38	10MHz	QPSK	38200	50RB#0	21.65	20.25	33	PASS
Band38	10MHz	64QAM	37800	1RB#24	21.48	20.08	33	PASS
Band38	10MHz	64QAM	37800	1RB#49	21.12	19.72	33	PASS
Band38	10MHz	64QAM	37800	1RB#0	21.62	20.22	33	PASS
Band38	10MHz	64QAM	37800	25RB#0	20.40	19.00	33	PASS
Band38	10MHz	64QAM	37800	25RB#12	20.31	18.91	33	PASS
Band38	10MHz	64QAM	37800	25RB#25	20.26	18.86	33	PASS
Band38	10MHz	64QAM	37800	50RB#0	20.32	18.92	33	PASS
Band38	10MHz	64QAM	38000	1RB#49	21.05	19.65	33	PASS
Band38	10MHz	64QAM	38000	1RB#0	21.27	19.87	33	PASS





Band38	10MHz	64QAM	38000	1RB#24	21.35	19.95	33	PASS
Band38	10MHz	64QAM	38000	25RB#0	20.41	19.01	33	PASS
Band38	10MHz	64QAM	38000	25RB#12	20.14	18.74	33	PASS
Band38	10MHz	64QAM	38000	25RB#25	20.17	18.77	33	PASS
Band38	10MHz	64QAM	38000	50RB#0	20.11	18.71	33	PASS
Band38	10MHz	64QAM	38200	1RB#0	21.13	19.73	33	PASS
Band38	10MHz	64QAM	38200	1RB#49	20.65	19.25	33	PASS
Band38	10MHz	64QAM	38200	1RB#24	21.11	19.71	33	PASS
Band38	10MHz	64QAM	38200	25RB#25	19.75	18.35	33	PASS
Band38	10MHz	64QAM	38200	25RB#0	19.78	18.38	33	PASS
Band38	10MHz	64QAM	38200	25RB#12	19.72	18.32	33	PASS
Band38	10MHz	64QAM	38200	50RB#0	19.78	18.38	33	PASS
Band38	10MHz	16QAM	37800	1RB#0	22.53	21.13	33	PASS
Band38	10MHz	16QAM	37800	1RB#24	22.37	20.97	33	PASS
Band38	10MHz	16QAM	37800	1RB#49	22.53	21.13	33	PASS
Band38	10MHz	16QAM	37800	25RB#12	21.19	19.79	33	PASS
Band38	10MHz	16QAM	37800	25RB#0	21.19	19.79	33	PASS
Band38	10MHz	16QAM	37800	25RB#25	21.17	19.77	33	PASS
Band38	10MHz	16QAM	37800	50RB#0	21.26	19.86	33	PASS
Band38	10MHz	16QAM	38000	1RB#0	22.37	20.97	33	PASS
Band38	10MHz	16QAM	38000	1RB#49	22.29	20.89	33	PASS
Band38	10MHz	16QAM	38000	1RB#24	22.19	20.79	33	PASS
Band38	10MHz	16QAM	38000	25RB#0	20.99	19.59	33	PASS
Band38	10MHz	16QAM	38000	25RB#25	20.97	19.57	33	PASS
Band38	10MHz	16QAM	38000	25RB#12	20.94	19.54	33	PASS
Band38	10MHz	16QAM	38000	50RB#0	21.09	19.69	33	PASS
Band38	10MHz	16QAM	38200	1RB#0	22.05	20.65	33	PASS
Band38	10MHz	16QAM	38200	1RB#49	21.91	20.51	33	PASS
Band38	10MHz	16QAM	38200	1RB#24	21.80	20.40	33	PASS
Band38	10MHz	16QAM	38200	25RB#0	20.70	19.30	33	PASS
Band38	10MHz	16QAM	38200	25RB#12	20.61	19.21	33	PASS
Band38	10MHz	16QAM	38200	25RB#25	20.58	19.18	33	PASS
Band38	10MHz	16QAM	38200	50RB#0	20.73	19.33	33	PASS



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Band38	15MHz	QPSK	37825	1RB#74	22.94	21.54	33	PASS
Band38	15MHz	QPSK	37825	1RB#38	22.92	21.52	33	PASS
Band38	15MHz	QPSK	37825	1RB#0	23.20	21.80	33	PASS
Band38	15MHz	QPSK	37825	36RB#39	22.09	20.69	33	PASS
Band38	15MHz	QPSK	37825	36RB#18	22.21	20.81	33	PASS
Band38	15MHz	QPSK	37825	36RB#0	22.21	20.81	33	PASS
Band38	15MHz	QPSK	37825	75RB#0	22.16	20.76	33	PASS
Band38	15MHz	QPSK	38000	1RB#0	22.95	21.55	33	PASS
Band38	15MHz	QPSK	38000	1RB#38	22.90	21.50	33	PASS
Band38	15MHz	QPSK	38000	1RB#74	22.73	21.33	33	PASS
Band38	15MHz	QPSK	38000	36RB#0	21.92	20.52	33	PASS
Band38	15MHz	QPSK	38000	36RB#18	21.99	20.59	33	PASS
Band38	15MHz	QPSK	38000	36RB#39	21.86	20.46	33	PASS
Band38	15MHz	QPSK	38000	75RB#0	21.95	20.55	33	PASS
Band38	15MHz	QPSK	38175	1RB#0	22.68	21.28	33	PASS
Band38	15MHz	QPSK	38175	1RB#38	22.58	21.18	33	PASS
Band38	15MHz	QPSK	38175	1RB#74	22.33	20.93	33	PASS
Band38	15MHz	QPSK	38175	36RB#0	21.64	20.24	33	PASS
Band38	15MHz	QPSK	38175	36RB#18	21.60	20.20	33	PASS
Band38	15MHz	QPSK	38175	36RB#39	21.55	20.15	33	PASS
Band38	15MHz	QPSK	38175	75RB#0	21.59	20.19	33	PASS
Band38	15MHz	64QAM	37825	1RB#74	21.20	19.80	33	PASS
Band38	15MHz	64QAM	37825	1RB#38	21.28	19.88	33	PASS
Band38	15MHz	64QAM	37825	1RB#0	21.48	20.08	33	PASS
Band38	15MHz	64QAM	37825	36RB#0	20.26	18.86	33	PASS
Band38	15MHz	64QAM	37825	36RB#18	20.22	18.82	33	PASS
Band38	15MHz	64QAM	37825	36RB#39	20.21	18.81	33	PASS
Band38	15MHz	64QAM	37825	75RB#0	20.27	18.87	33	PASS
Band38	15MHz	64QAM	38000	1RB#38	21.22	19.82	33	PASS
Band38	15MHz	64QAM	38000	1RB#74	21.15	19.75	33	PASS
Band38	15MHz	64QAM	38000	1RB#0	21.29	19.89	33	PASS
Band38	15MHz	64QAM	38000	36RB#39	19.92	18.52	33	PASS
Band38	15MHz	64QAM	38000	36RB#0	20.02	18.62	33	PASS



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Band38	15MHz	64QAM	38000	36RB#18	20.04	18.64	33	PASS
Band38	15MHz	64QAM	38000	75RB#0	20.05	18.65	33	PASS
Band38	15MHz	64QAM	38175	1RB#0	21.01	19.61	33	PASS
Band38	15MHz	64QAM	38175	1RB#38	21.03	19.63	33	PASS
Band38	15MHz	64QAM	38175	1RB#74	20.80	19.40	33	PASS
Band38	15MHz	64QAM	38175	36RB#18	19.66	18.26	33	PASS
Band38	15MHz	64QAM	38175	36RB#0	19.72	18.32	33	PASS
Band38	15MHz	64QAM	38175	36RB#39	19.61	18.21	33	PASS
Band38	15MHz	64QAM	38175	75RB#0	19.65	18.25	33	PASS
Band38	15MHz	16QAM	37825	1RB#38	22.38	20.98	33	PASS
Band38	15MHz	16QAM	37825	1RB#0	22.45	21.05	33	PASS
Band38	15MHz	16QAM	37825	1RB#74	22.26	20.86	33	PASS
Band38	15MHz	16QAM	37825	36RB#0	21.30	19.90	33	PASS
Band38	15MHz	16QAM	37825	36RB#39	21.18	19.78	33	PASS
Band38	15MHz	16QAM	37825	36RB#18	21.25	19.85	33	PASS
Band38	15MHz	16QAM	37825	75RB#0	21.24	19.84	33	PASS
Band38	15MHz	16QAM	38000	1RB#38	22.16	20.76	33	PASS
Band38	15MHz	16QAM	38000	1RB#74	22.03	20.63	33	PASS
Band38	15MHz	16QAM	38000	1RB#0	22.22	20.82	33	PASS
Band38	15MHz	16QAM	38000	36RB#0	20.98	19.58	33	PASS
Band38	15MHz	16QAM	38000	36RB#18	21.00	19.60	33	PASS
Band38	15MHz	16QAM	38000	36RB#39	20.94	19.54	33	PASS
Band38	15MHz	16QAM	38000	75RB#0	21.03	19.63	33	PASS
Band38	15MHz	16QAM	38175	1RB#0	21.85	20.45	33	PASS
Band38	15MHz	16QAM	38175	1RB#38	21.76	20.36	33	PASS
Band38	15MHz	16QAM	38175	1RB#74	21.57	20.17	33	PASS
Band38	15MHz	16QAM	38175	36RB#0	20.74	19.34	33	PASS
Band38	15MHz	16QAM	38175	36RB#18	20.67	19.27	33	PASS
Band38	15MHz	16QAM	38175	36RB#39	20.62	19.22	33	PASS
Band38	15MHz	16QAM	38175	75RB#0	20.65	19.25	33	PASS
Band38	20MHz	QPSK	37850	1RB#0	23.21	21.81	33	PASS
Band38	20MHz	QPSK	37850	1RB#49	22.88	21.48	33	PASS
Band38	20MHz	QPSK	37850	1RB#99	22.77	21.37	33	PASS



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Band38	20MHz	QPSK	37850	50RB#25	22.13	20.73	33	PASS
Band38	20MHz	QPSK	37850	50RB#0	22.16	20.76	33	PASS
Band38	20MHz	QPSK	37850	50RB#50	22.07	20.67	33	PASS
Band38	20MHz	QPSK	37850	100RB#0	22.13	20.73	33	PASS
Band38	20MHz	QPSK	38000	1RB#99	22.62	21.22	33	PASS
Band38	20MHz	QPSK	38000	1RB#0	23.00	21.60	33	PASS
Band38	20MHz	QPSK	38000	1RB#49	22.84	21.44	33	PASS
Band38	20MHz	QPSK	38000	50RB#0	21.94	20.54	33	PASS
Band38	20MHz	QPSK	38000	50RB#25	22.00	20.60	33	PASS
Band38	20MHz	QPSK	38000	50RB#50	21.83	20.43	33	PASS
Band38	20MHz	QPSK	38000	100RB#0	21.92	20.52	33	PASS
Band38	20MHz	QPSK	38150	1RB#49	22.79	21.39	33	PASS
Band38	20MHz	QPSK	38150	1RB#0	22.81	21.41	33	PASS
Band38	20MHz	QPSK	38150	1RB#99	22.32	20.92	33	PASS
Band38	20MHz	QPSK	38150	50RB#25	21.58	20.18	33	PASS
Band38	20MHz	QPSK	38150	50RB#0	21.68	20.28	33	PASS
Band38	20MHz	QPSK	38150	50RB#50	21.52	20.12	33	PASS
Band38	20MHz	QPSK	38150	100RB#0	21.60	20.20	33	PASS
Band38	20MHz	64QAM	37850	1RB#0	21.50	20.10	33	PASS
Band38	20MHz	64QAM	37850	1RB#49	21.32	19.92	33	PASS
Band38	20MHz	64QAM	37850	1RB#99	21.16	19.76	33	PASS
Band38	20MHz	64QAM	37850	50RB#50	20.16	18.76	33	PASS
Band38	20MHz	64QAM	37850	50RB#0	20.30	18.90	33	PASS
Band38	20MHz	64QAM	37850	50RB#25	20.23	18.83	33	PASS
Band38	20MHz	64QAM	37850	100RB#0	20.20	18.80	33	PASS
Band38	20MHz	64QAM	38000	1RB#0	21.35	19.95	33	PASS
Band38	20MHz	64QAM	38000	1RB#49	21.28	19.88	33	PASS
Band38	20MHz	64QAM	38000	1RB#99	21.01	19.61	33	PASS
Band38	20MHz	64QAM	38000	50RB#0	20.07	18.67	33	PASS
Band38	20MHz	64QAM	38000	50RB#25	20.10	18.70	33	PASS
Band38	20MHz	64QAM	38000	50RB#50	19.94	18.54	33	PASS
Band38	20MHz	64QAM	38000	100RB#0	20.01	18.61	33	PASS
Band38	20MHz	64QAM	38150	1RB#99	20.66	19.26	33	PASS





Band38	20MHz	64QAM	38150	1RB#0	21.13	19.73	33	PASS
Band38	20MHz	64QAM	38150	1RB#49	21.20	19.80	33	PASS
Band38	20MHz	64QAM	38150	50RB#0	19.82	18.42	33	PASS
Band38	20MHz	64QAM	38150	50RB#50	19.68	18.28	33	PASS
Band38	20MHz	64QAM	38150	50RB#25	19.72	18.32	33	PASS
Band38	20MHz	64QAM	38150	100RB#0	19.66	18.26	33	PASS
Band38	20MHz	16QAM	37850	1RB#0	22.45	21.05	33	PASS
Band38	20MHz	16QAM	37850	1RB#49	22.39	20.99	33	PASS
Band38	20MHz	16QAM	37850	1RB#99	22.27	20.87	33	PASS
Band38	20MHz	16QAM	37850	50RB#0	21.23	19.83	33	PASS
Band38	20MHz	16QAM	37850	50RB#25	21.22	19.82	33	PASS
Band38	20MHz	16QAM	37850	50RB#50	21.13	19.73	33	PASS
Band38	20MHz	16QAM	37850	100RB#0	21.22	19.82	33	PASS
Band38	20MHz	16QAM	38000	1RB#0	22.23	20.83	33	PASS
Band38	20MHz	16QAM	38000	1RB#99	21.92	20.52	33	PASS
Band38	20MHz	16QAM	38000	1RB#49	22.17	20.77	33	PASS
Band38	20MHz	16QAM	38000	50RB#0	21.00	19.60	33	PASS
Band38	20MHz	16QAM	38000	50RB#25	21.02	19.62	33	PASS
Band38	20MHz	16QAM	38000	50RB#50	20.92	19.52	33	PASS
Band38	20MHz	16QAM	38000	100RB#0	21.02	19.62	33	PASS
Band38	20MHz	16QAM	38150	1RB#0	22.01	20.61	33	PASS
Band38	20MHz	16QAM	38150	1RB#99	21.59	20.19	33	PASS
Band38	20MHz	16QAM	38150	1RB#49	21.82	20.42	33	PASS
Band38	20MHz	16QAM	38150	50RB#50	20.58	19.18	33	PASS
Band38	20MHz	16QAM	38150	50RB#25	20.67	19.27	33	PASS
Band38	20MHz	16QAM	38150	50RB#0	20.81	19.41	33	PASS
Band38	20MHz	16QAM	38150	100RB#0	20.71	19.31	33	PASS

Remark:

a: For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Conducted Power [dBm] + Gain [dBd]

EIRP [dBm] = Conducted Power [dBm] + Gain [dBi]



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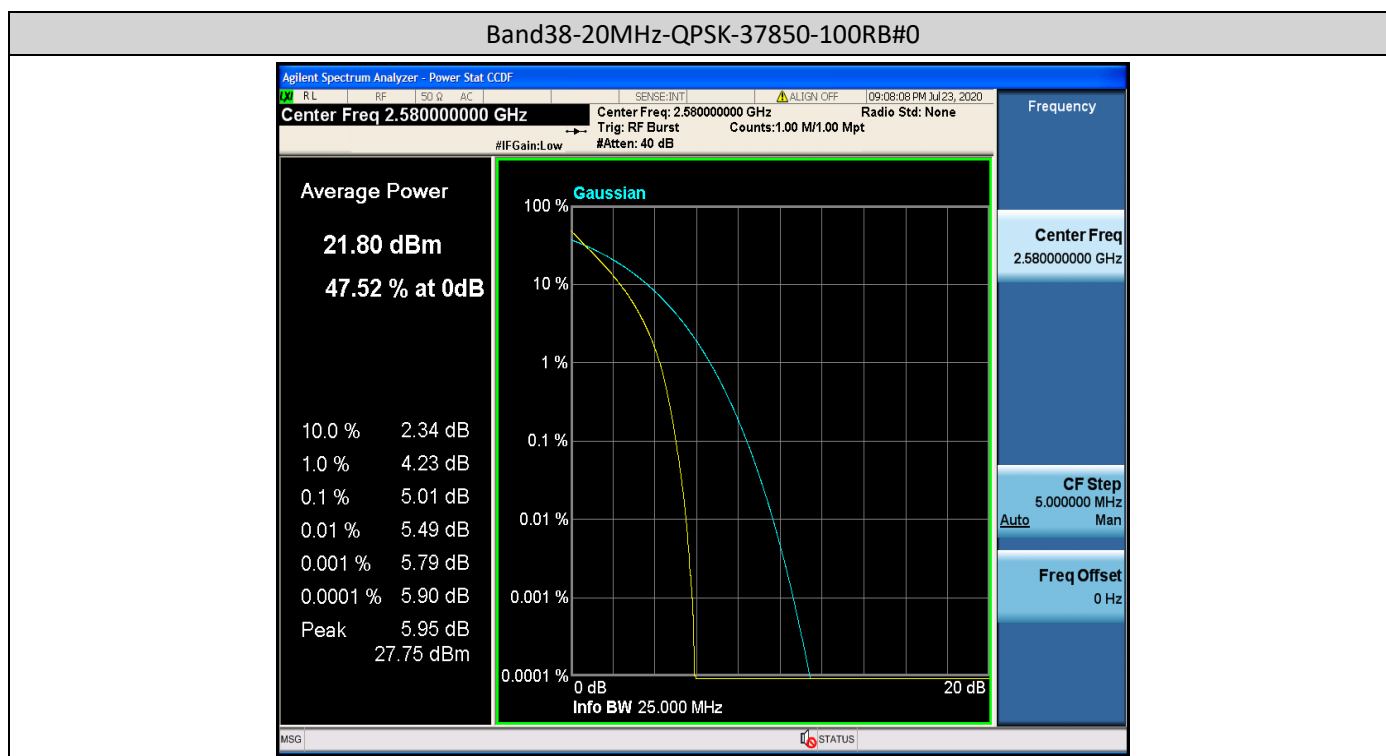


2. Peak-to-Average Ratio (CCDF)

2.1. Test Result

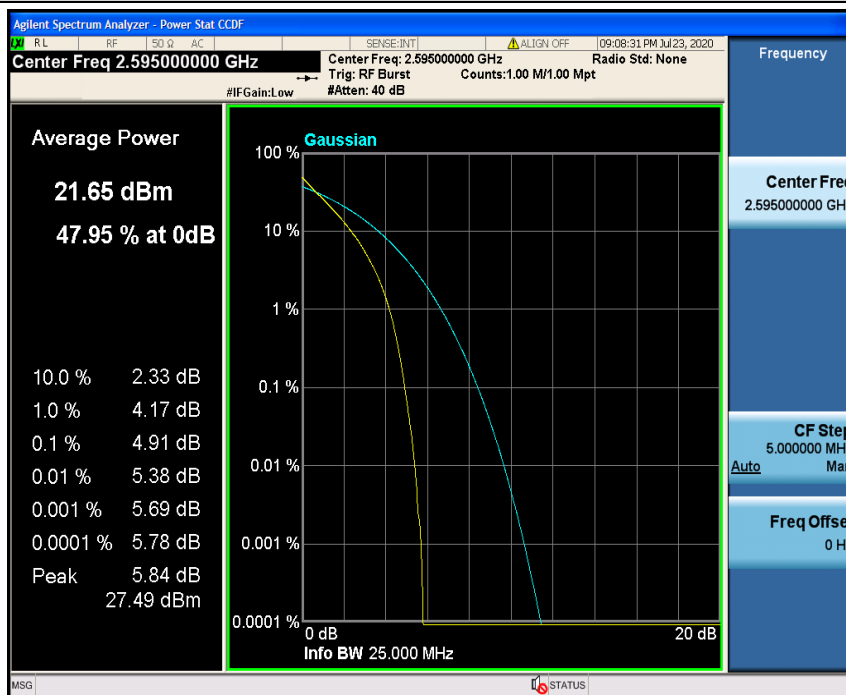
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	5.01	13	PASS
Band38	20MHz	QPSK	38000	100RB#0	4.91	13	PASS
Band38	20MHz	QPSK	38150	100RB#0	4.84	13	PASS
Band38	20MHz	64QAM	37850	100RB#0	6.37	13	PASS
Band38	20MHz	64QAM	38000	100RB#0	6.31	13	PASS
Band38	20MHz	64QAM	38150	100RB#0	6.28	13	PASS
Band38	20MHz	16QAM	37850	100RB#0	5.79	13	PASS
Band38	20MHz	16QAM	38000	100RB#0	5.71	13	PASS
Band38	20MHz	16QAM	38150	100RB#0	5.65	13	PASS

2.2. Test Plots

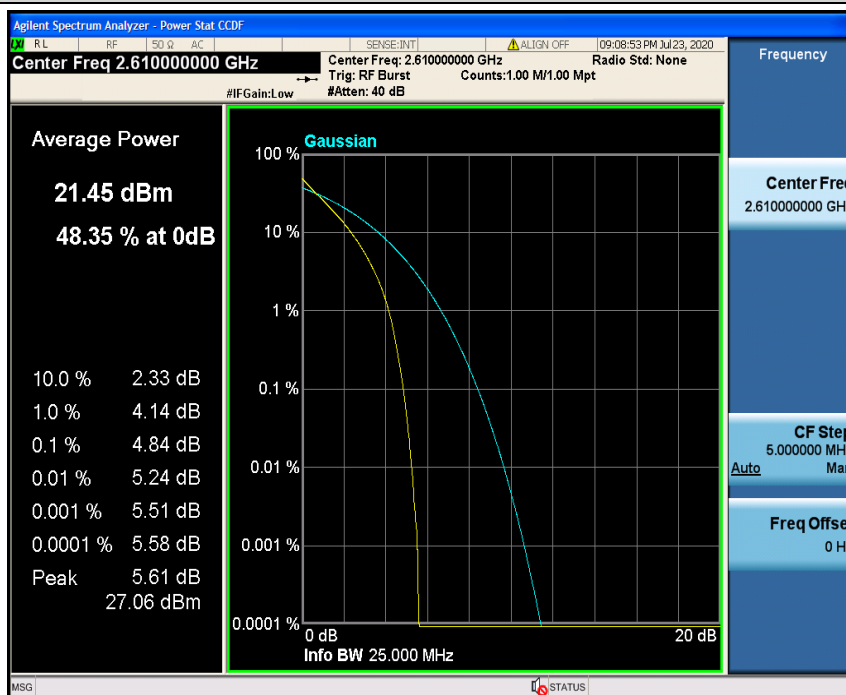




Band38-20MHz-QPSK-38000-100RB#0



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



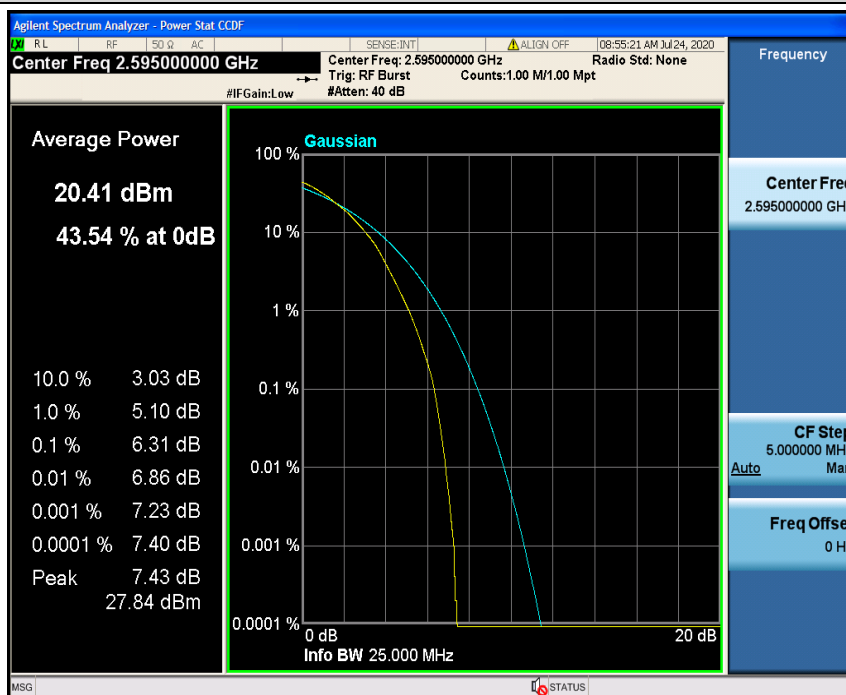
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Band38-20MHz-64QAM-37850-100RB#0

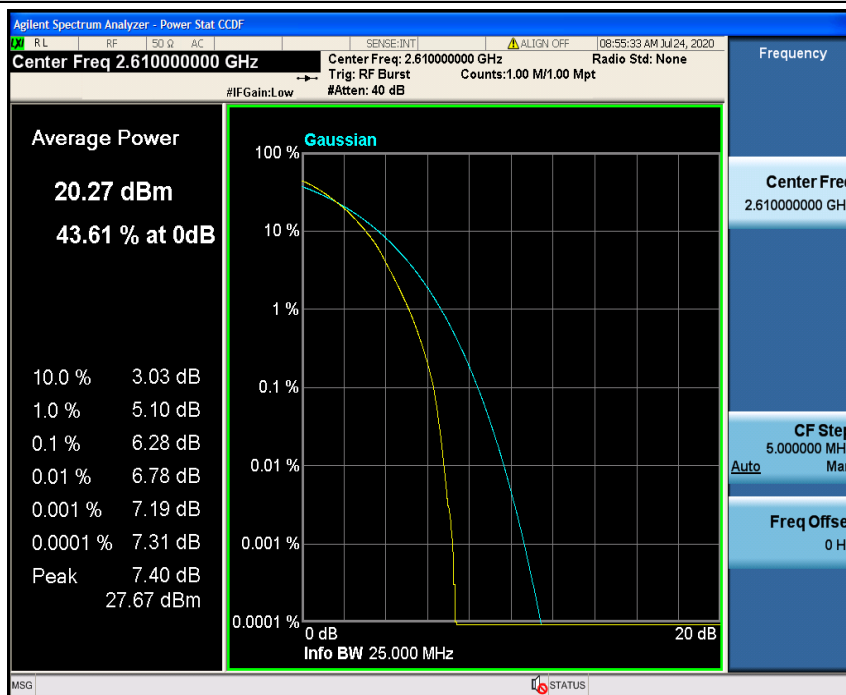


Band38-20MHz-64QAM-38000-100RB#0

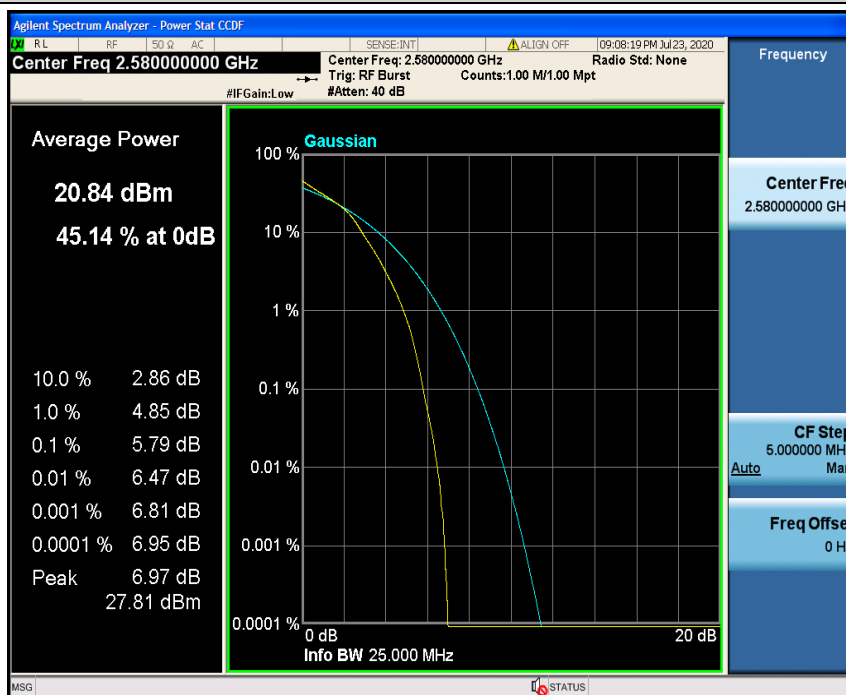




Band38-20MHz-64QAM-38150-100RB#0



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



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Shenzhen Branch

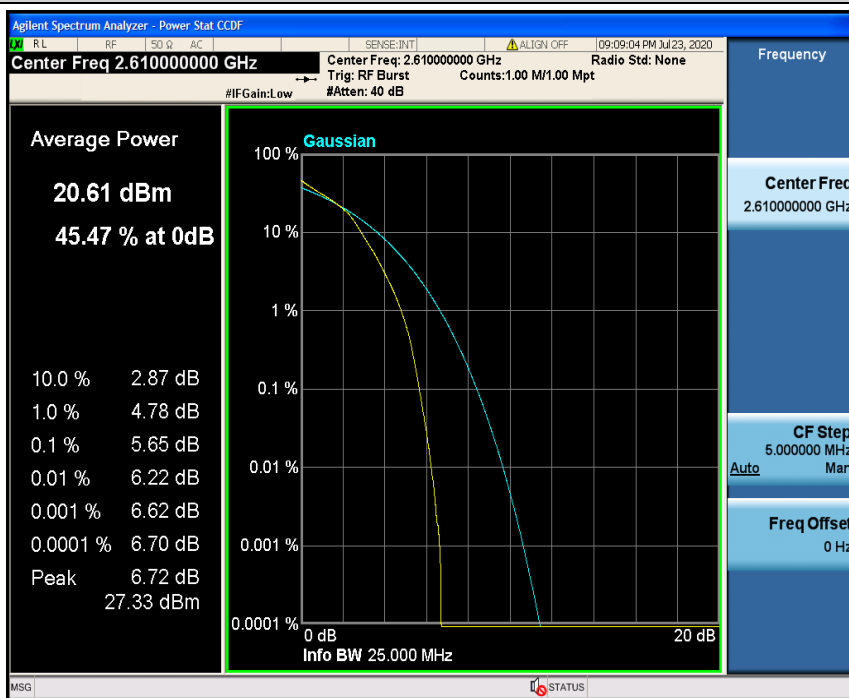
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Band38-20MHz-16QAM-38000-100RB#0



Band38-20MHz-16QAM-38150-100RB#0



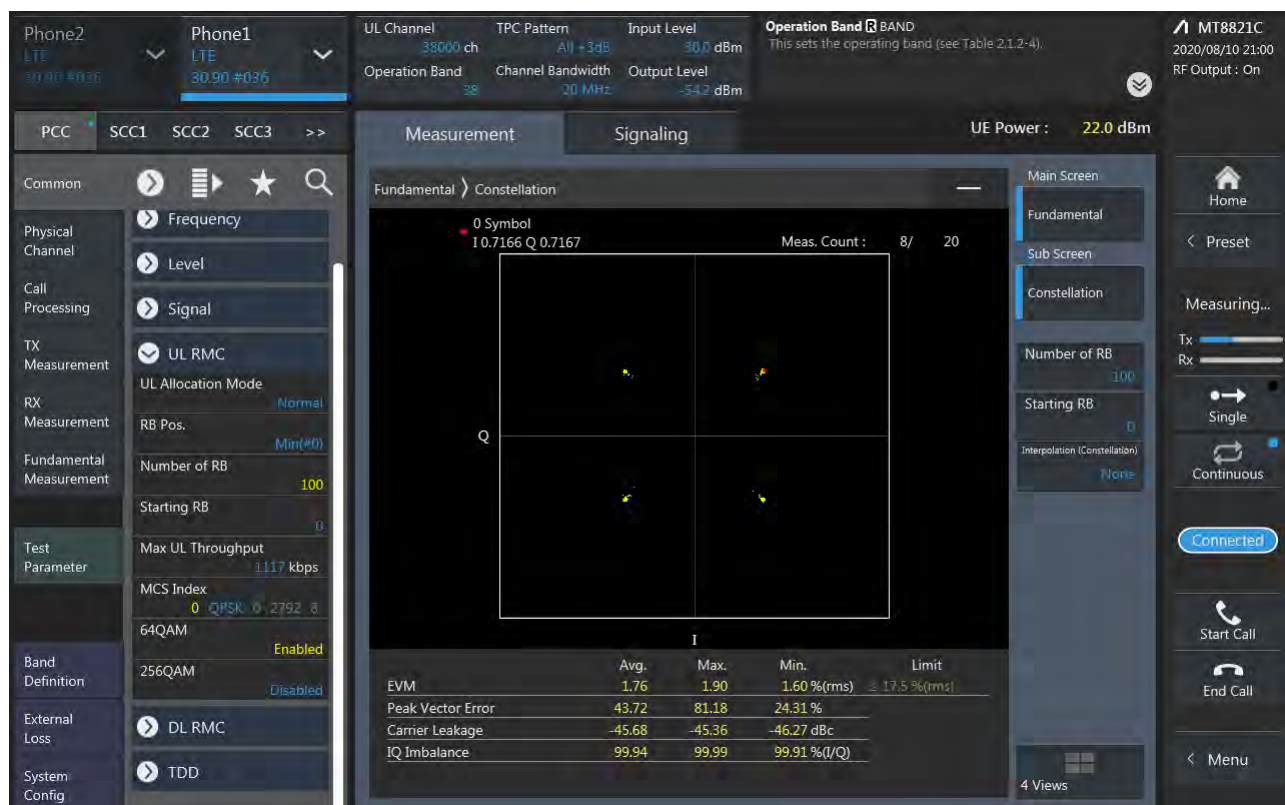
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3. Modulation Characteristics

3.1. Test Mode = LTE /TM1 20MHz

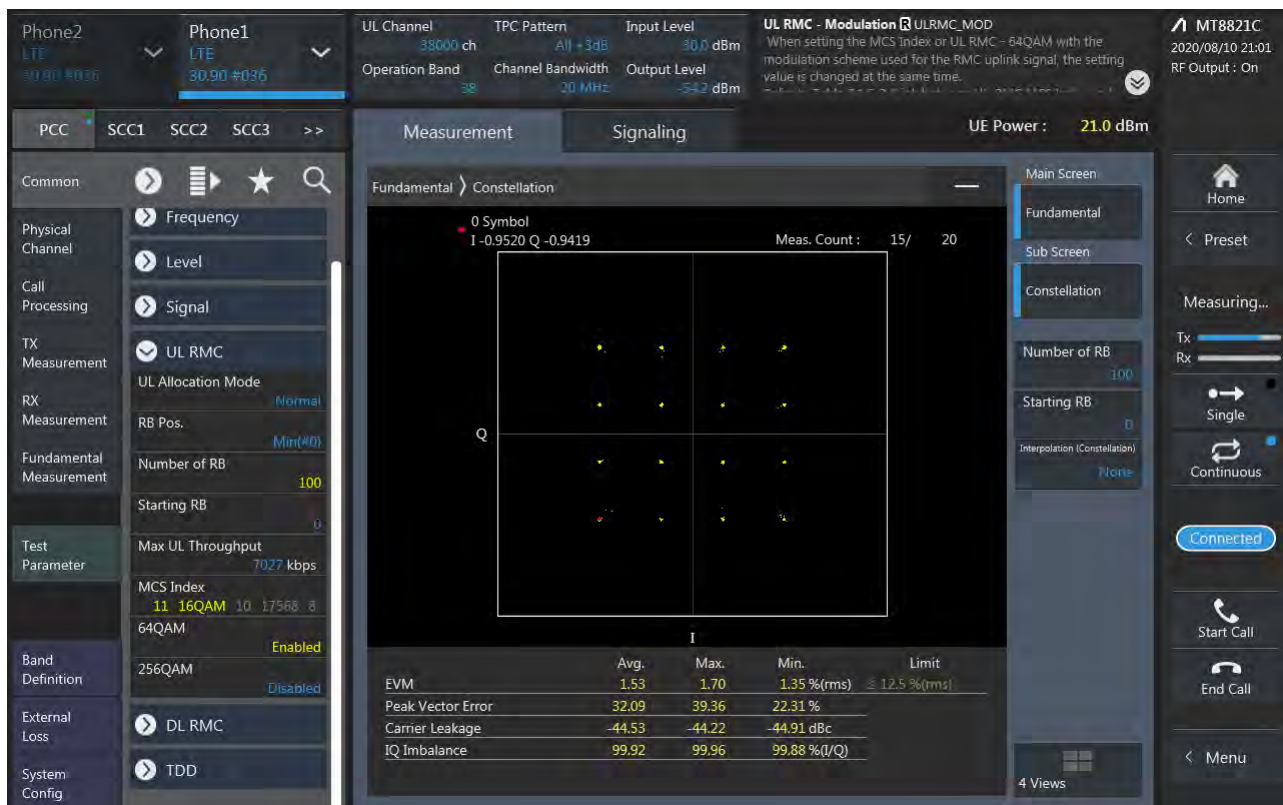
3.1.1. Test Channel = MCH





3.2. Test Mode = LTE /TM2 20MHz

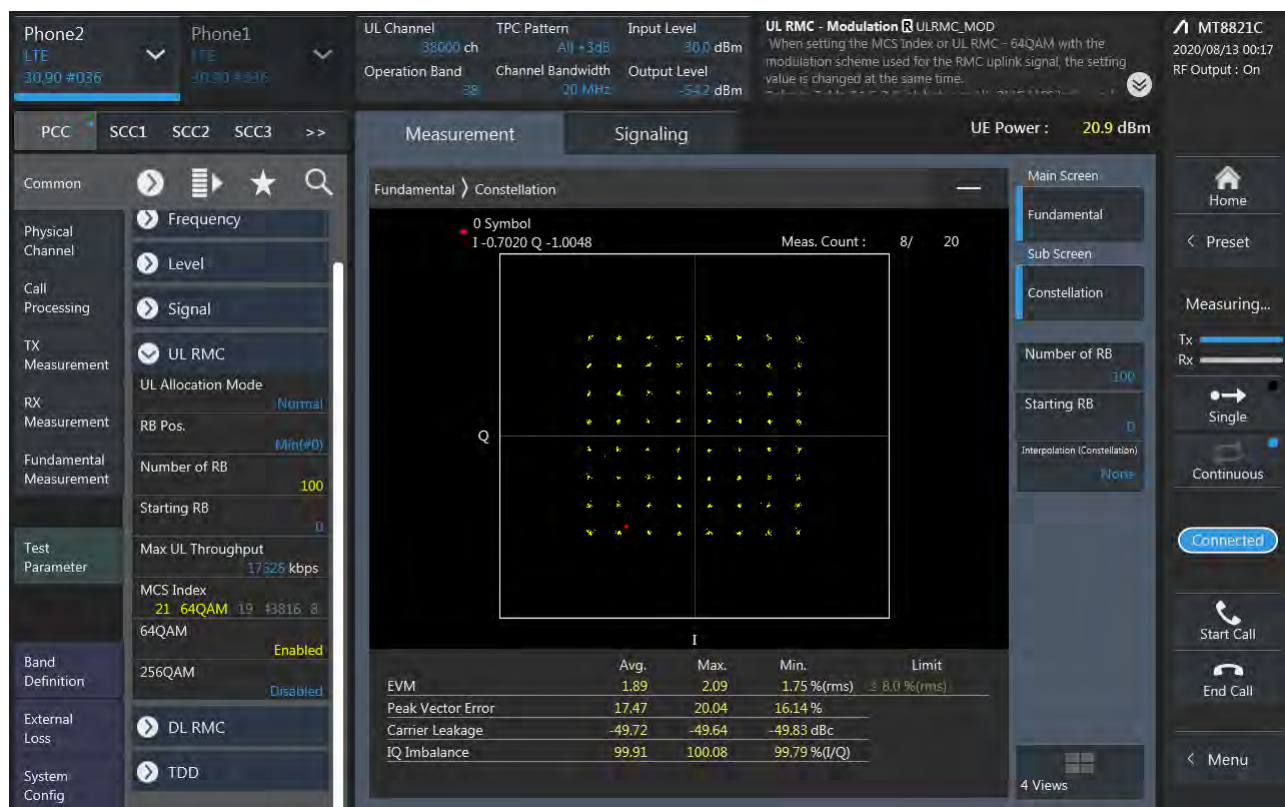
3.2.1. Test Channel = MCH





3.3. Test Mode = LTE /TM3 20MHz

3.3.1. Test Channel = MCH





4. 26dB Bandwidth and Occupied Bandwidth

4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band38	5MHz	QPSK	37775	25RB#0	4.4684	4.952	PASS
Band38	5MHz	QPSK	38000	25RB#0	4.4725	4.950	PASS
Band38	5MHz	QPSK	38225	25RB#0	4.4685	4.937	PASS
Band38	5MHz	64QAM	37775	25RB#0	4.4849	5.109	PASS
Band38	5MHz	64QAM	38000	25RB#0	4.4790	5.084	PASS
Band38	5MHz	64QAM	38225	25RB#0	4.4810	5.026	PASS
Band38	5MHz	16QAM	37775	25RB#0	4.4902	4.924	PASS
Band38	5MHz	16QAM	38000	25RB#0	4.4885	4.936	PASS
Band38	5MHz	16QAM	38225	25RB#0	4.4918	4.928	PASS
Band38	10MHz	QPSK	37800	50RB#0	8.9019	9.654	PASS
Band38	10MHz	QPSK	38000	50RB#0	8.9126	9.705	PASS
Band38	10MHz	QPSK	38200	50RB#0	8.9243	9.748	PASS
Band38	10MHz	64QAM	37800	50RB#0	8.9286	9.671	PASS
Band38	10MHz	64QAM	38000	50RB#0	8.9310	9.657	PASS
Band38	10MHz	64QAM	38200	50RB#0	8.9268	9.669	PASS
Band38	10MHz	16QAM	37800	50RB#0	8.9068	9.606	PASS
Band38	10MHz	16QAM	38000	50RB#0	8.9096	9.580	PASS
Band38	10MHz	16QAM	38200	50RB#0	8.9222	9.626	PASS
Band38	15MHz	QPSK	37825	75RB#0	13.490	16.14	PASS
Band38	15MHz	QPSK	38000	75RB#0	13.482	15.89	PASS
Band38	15MHz	QPSK	38175	75RB#0	13.455	15.17	PASS
Band38	15MHz	64QAM	37825	75RB#0	13.460	14.79	PASS
Band38	15MHz	64QAM	38000	75RB#0	13.444	14.94	PASS
Band38	15MHz	64QAM	38175	75RB#0	13.426	14.69	PASS
Band38	15MHz	16QAM	37825	75RB#0	13.451	15.28	PASS
Band38	15MHz	16QAM	38000	75RB#0	13.442	14.85	PASS
Band38	15MHz	16QAM	38175	75RB#0	13.446	14.71	PASS
Band38	20MHz	QPSK	37850	100RB#0	17.923	19.32	PASS
Band38	20MHz	QPSK	38000	100RB#0	17.921	19.41	PASS
Band38	20MHz	QPSK	38150	100RB#0	17.904	19.50	PASS
Band38	20MHz	64QAM	37850	100RB#0	17.881	19.44	PASS



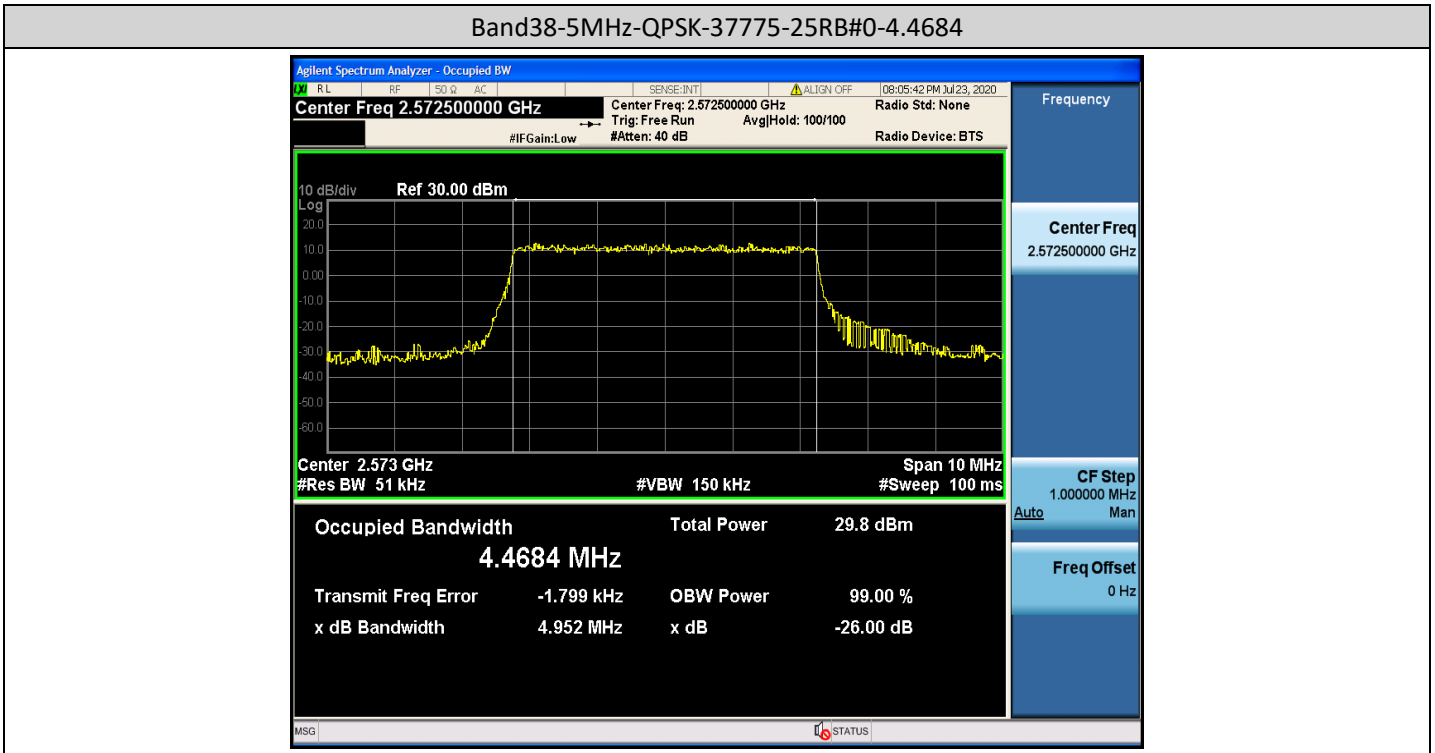
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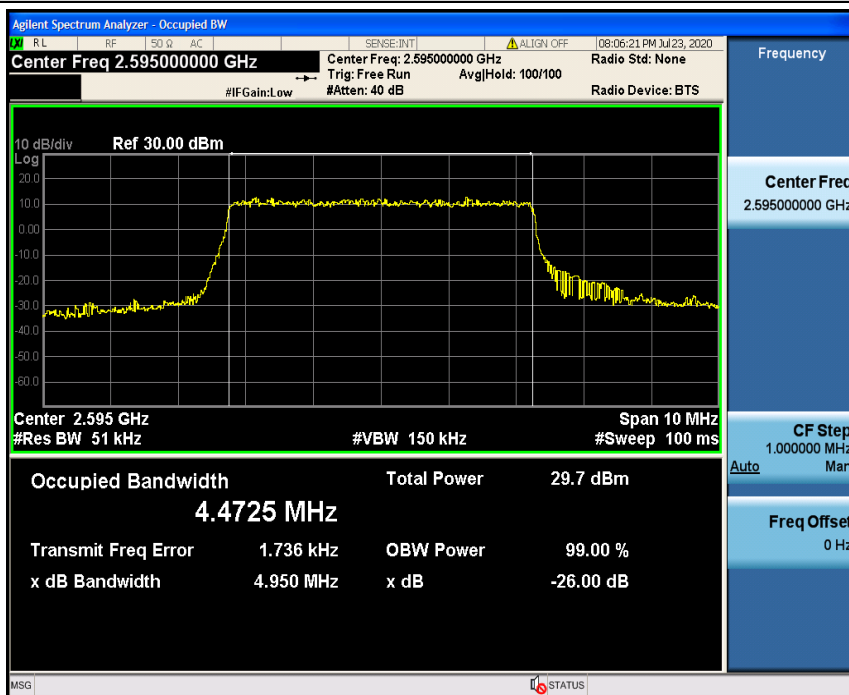
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Band38	20MHz	64QAM	38150	100RB#0	17.841	19.23	PASS
Band38	20MHz	16QAM	37850	100RB#0	17.885	19.91	PASS
Band38	20MHz	16QAM	38000	100RB#0	17.859	19.94	PASS
Band38	20MHz	16QAM	38150	100RB#0	17.860	20.02	PASS

4.2. Test Plots

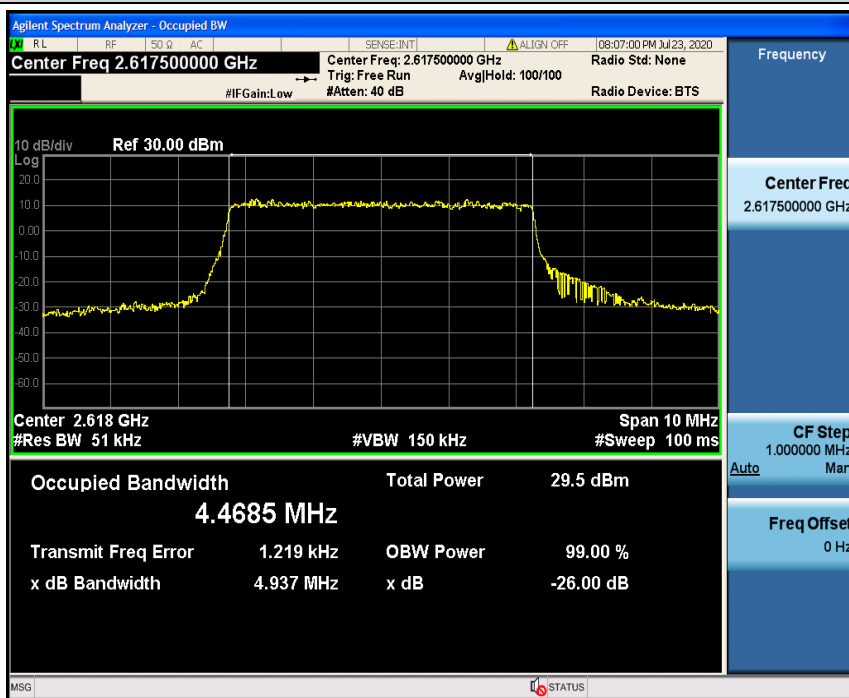




Band38-5MHz-QPSK-38000-25RB#0-4.4725

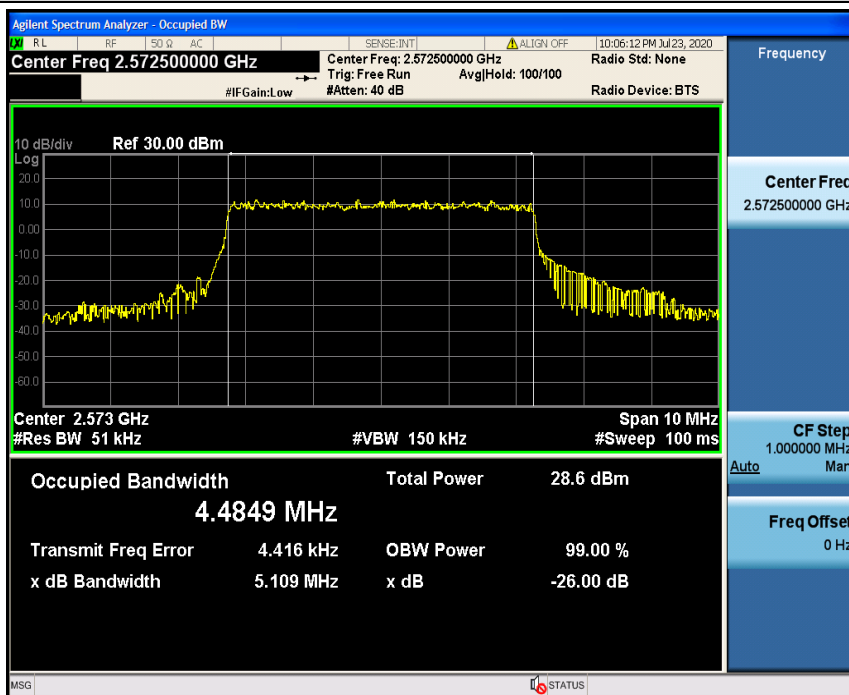


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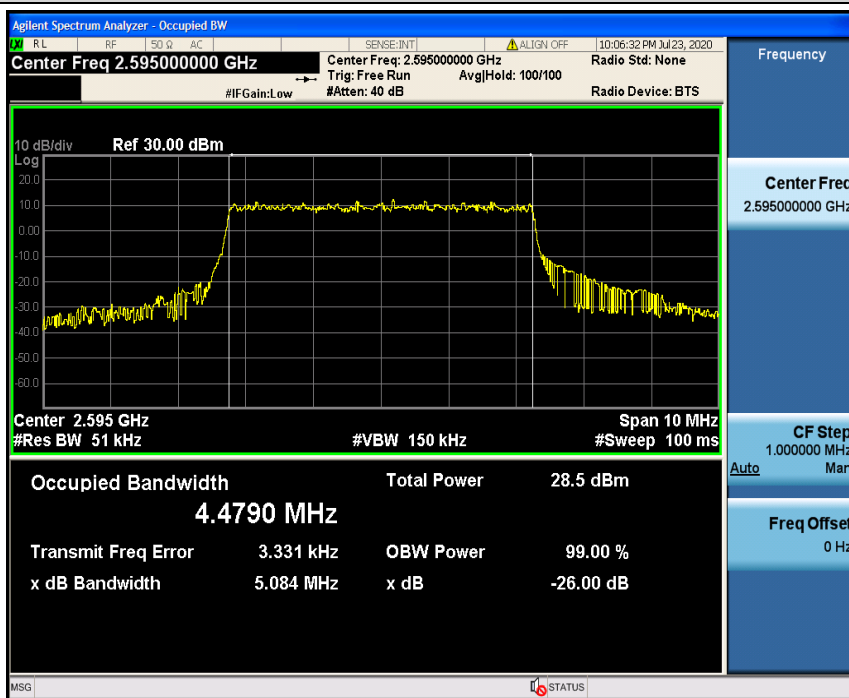




Band38-5MHz-64QAM-37775-25RB#0-4.4849



Band38-5MHz-64QAM-38000-25RB#0-4.4790



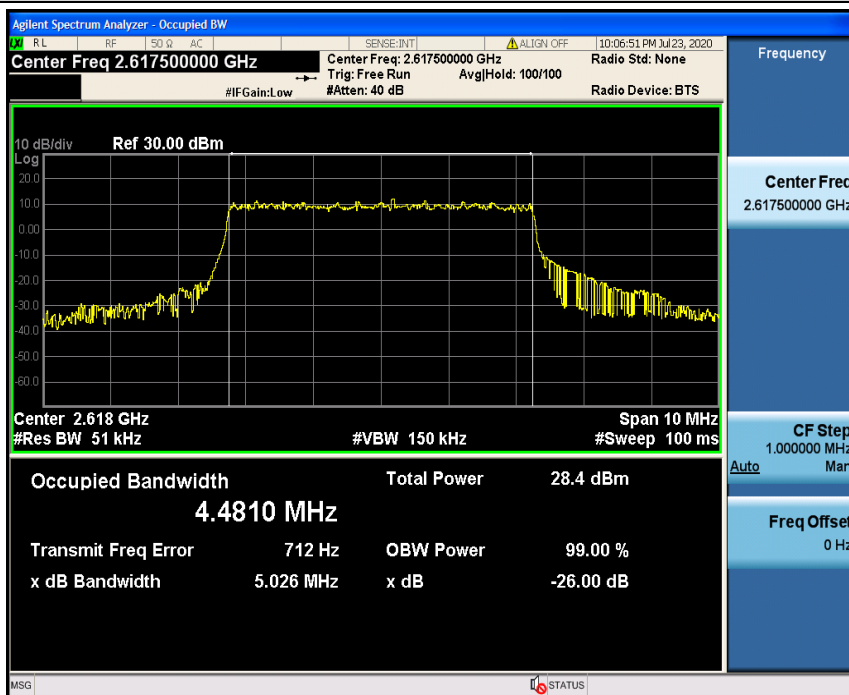
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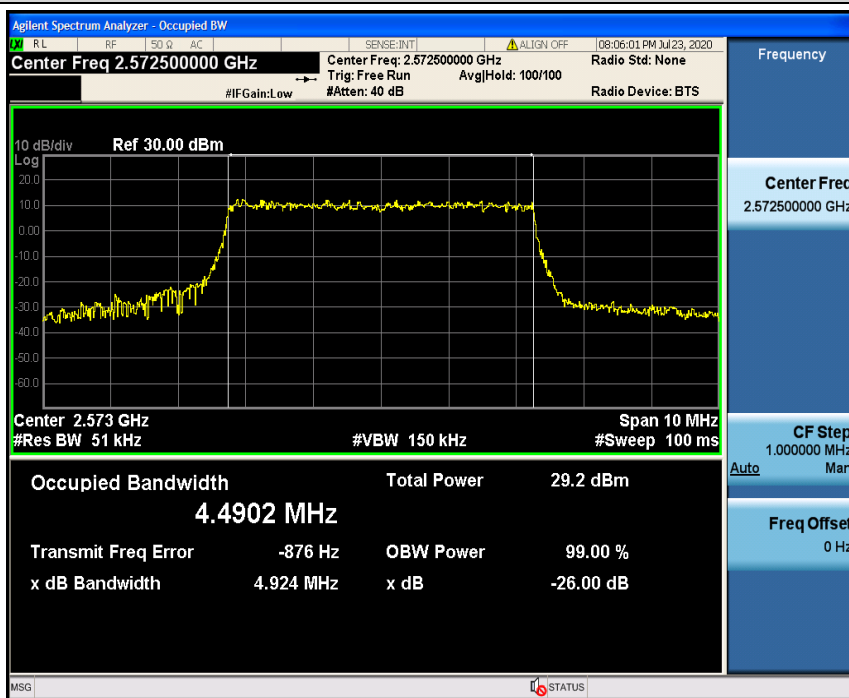
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Band38-5MHz-64QAM-38225-25RB#0-4.4810



Band38-5MHz-16QAM-37775-25RB#0-4.4902

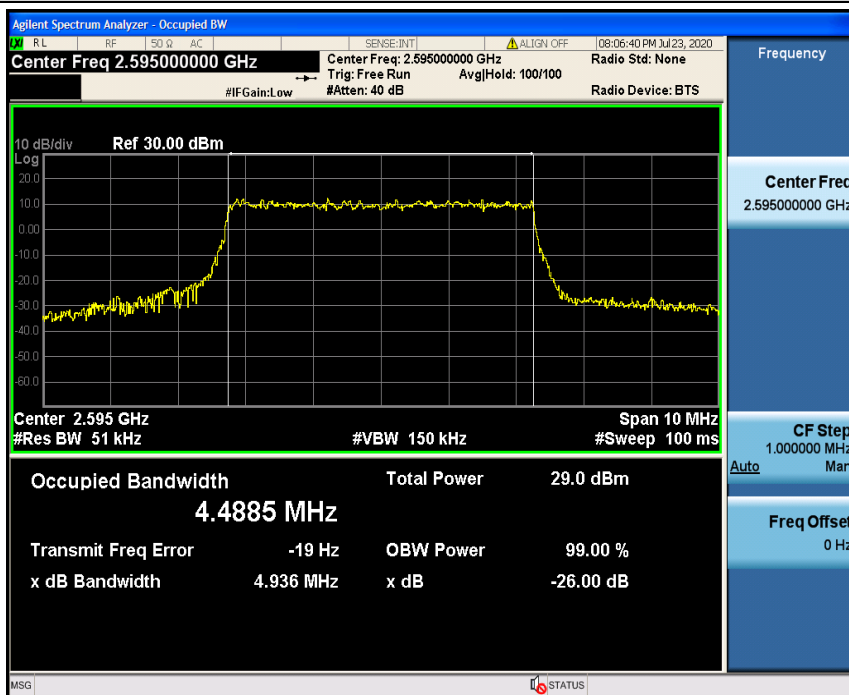


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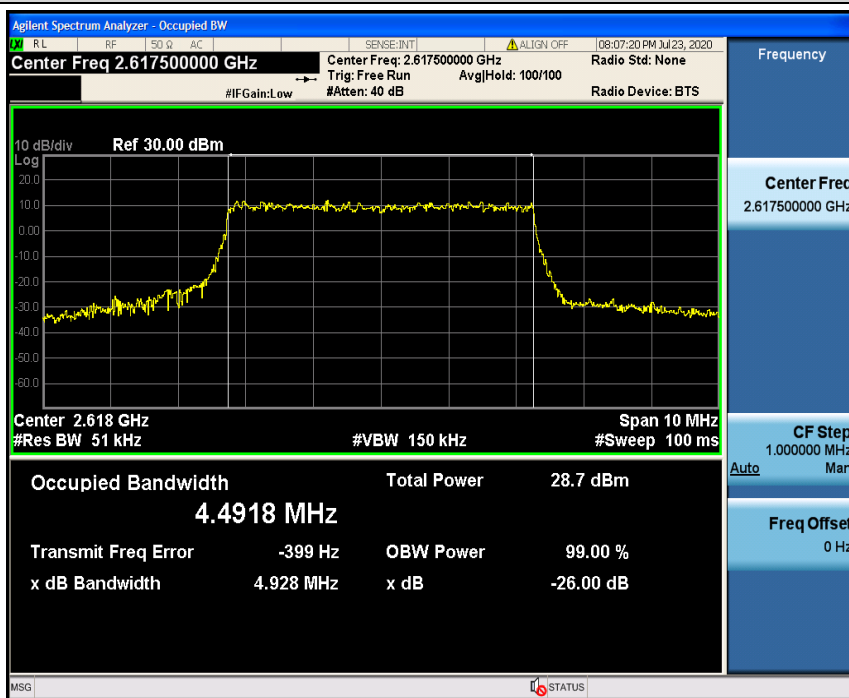
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Band38-5MHz-16QAM-38000-25RB#0-4.4885



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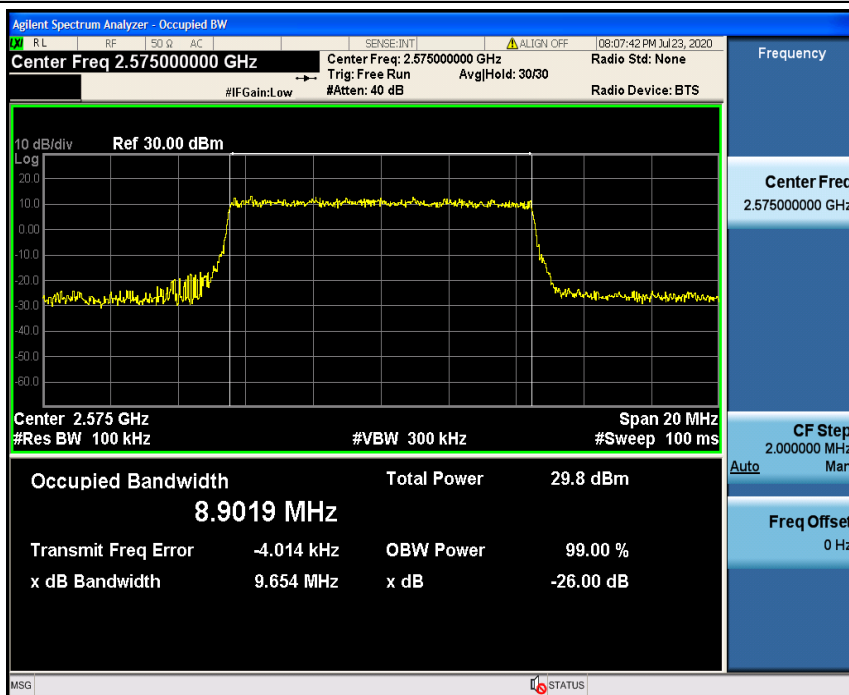


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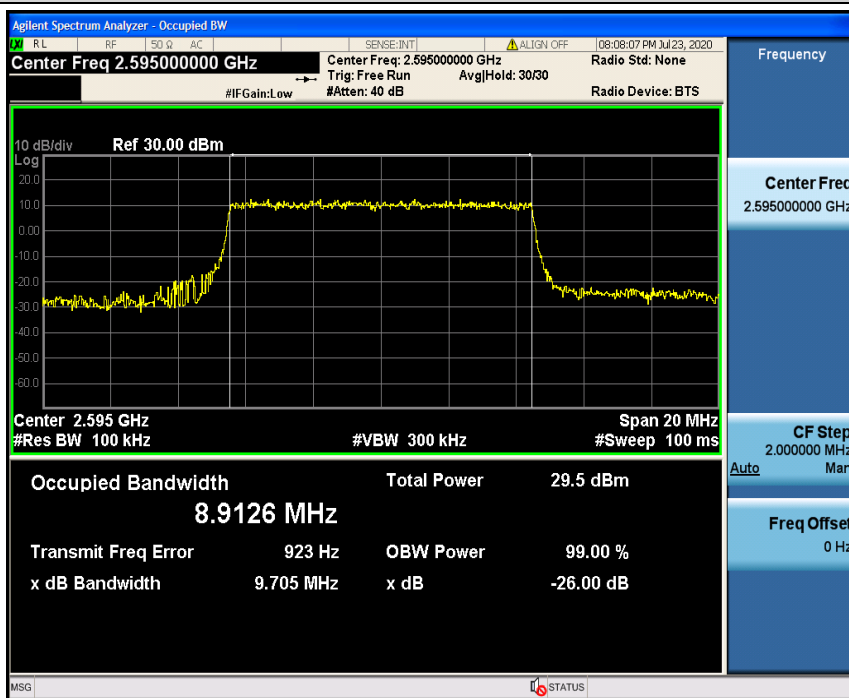
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Band38-10MHz-QPSK-37800-50RB#0-8.9019



Band38-10MHz-QPSK-38000-50RB#0-8.9126

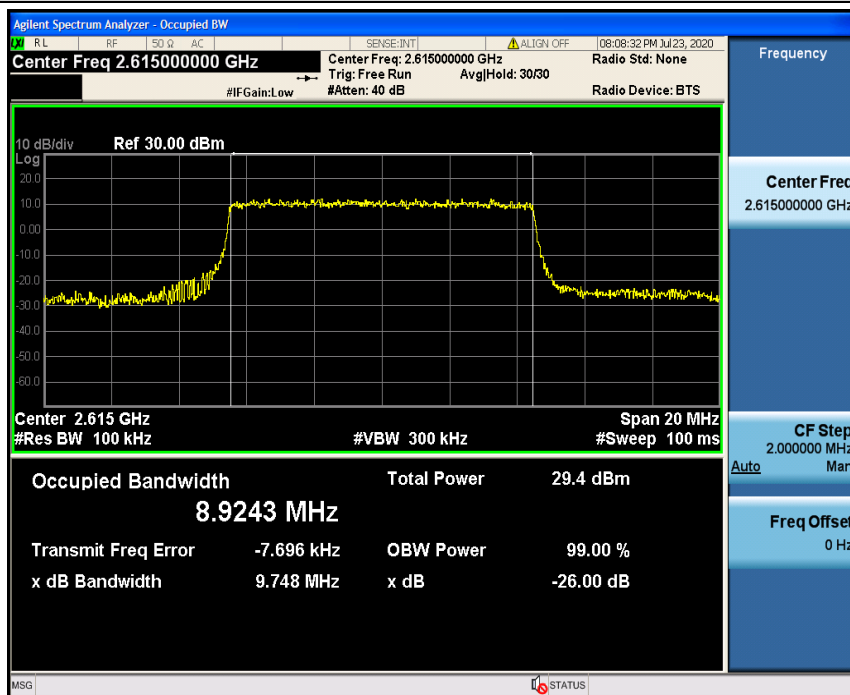


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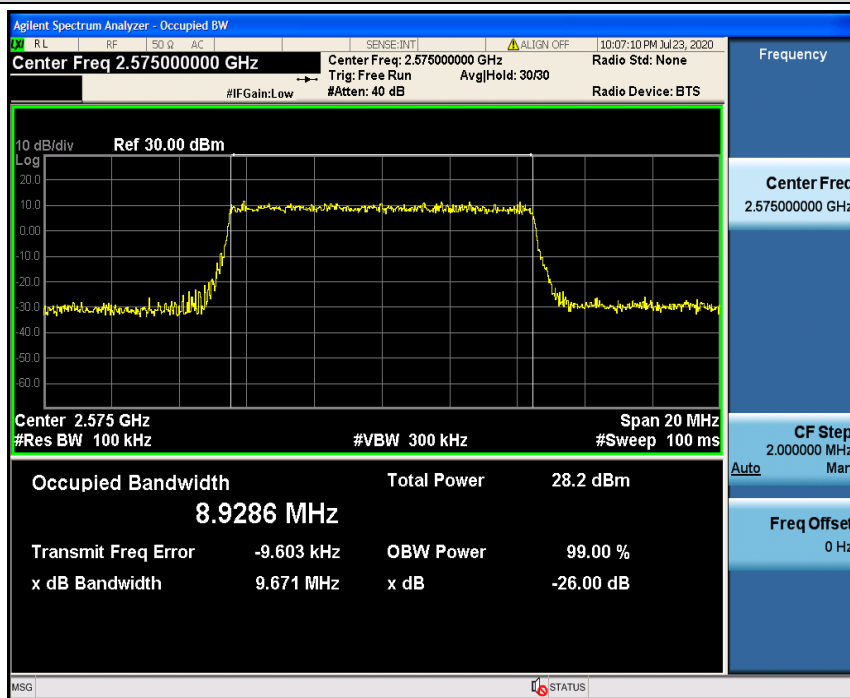
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Band38-10MHz-QPSK-38200-50RB#0-8.9243



Band38-10MHz-64QAM-37800-50RB#0-8.9286



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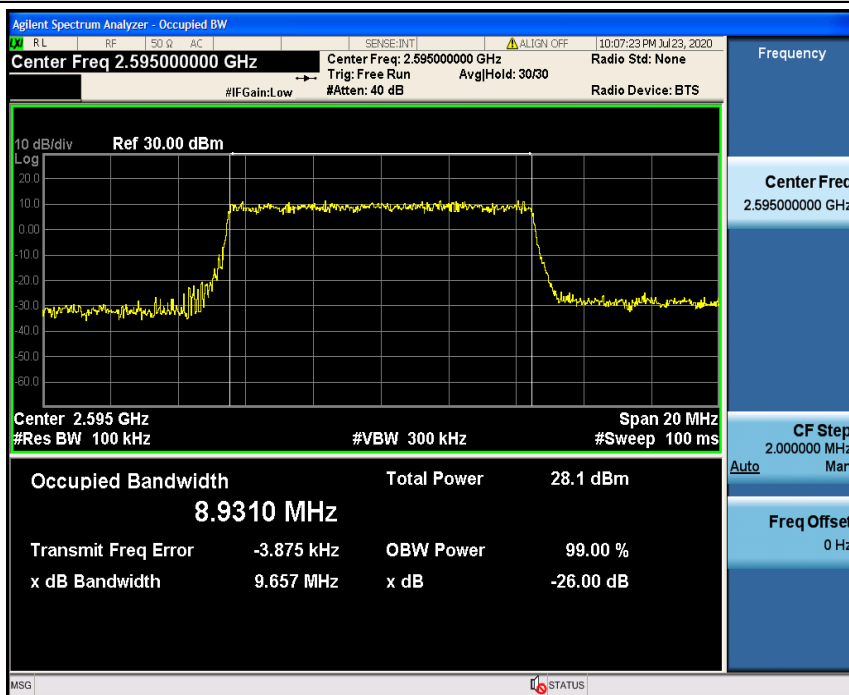
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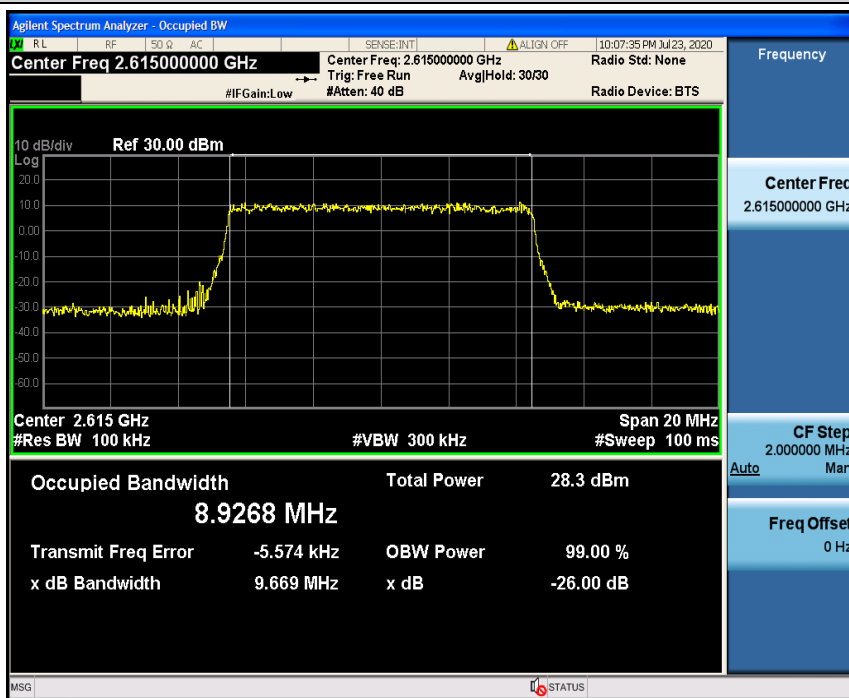
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Band38-10MHz-64QAM-38000-50RB#0-8.9310



Band38-10MHz-64QAM-38200-50RB#0-8.9268



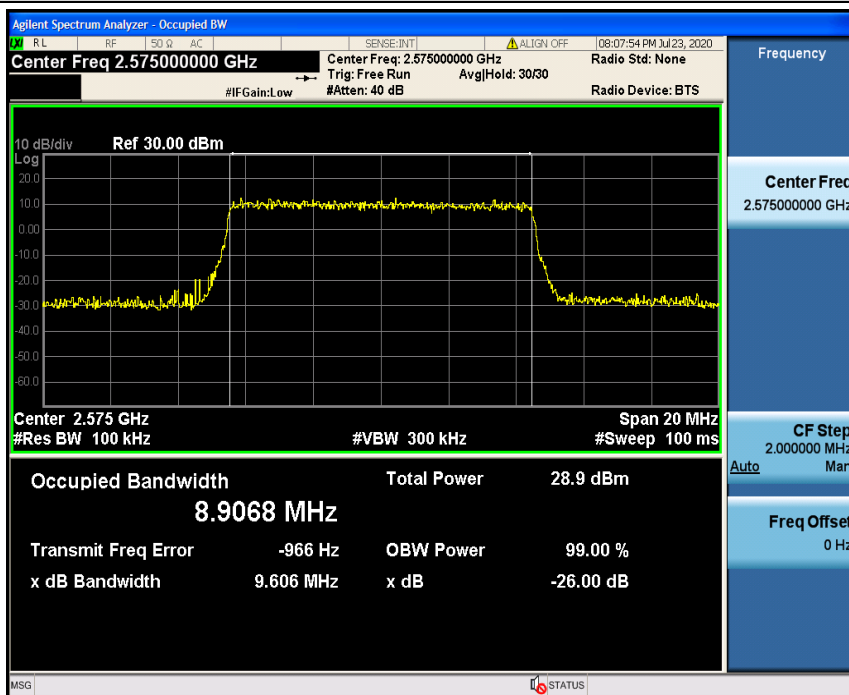
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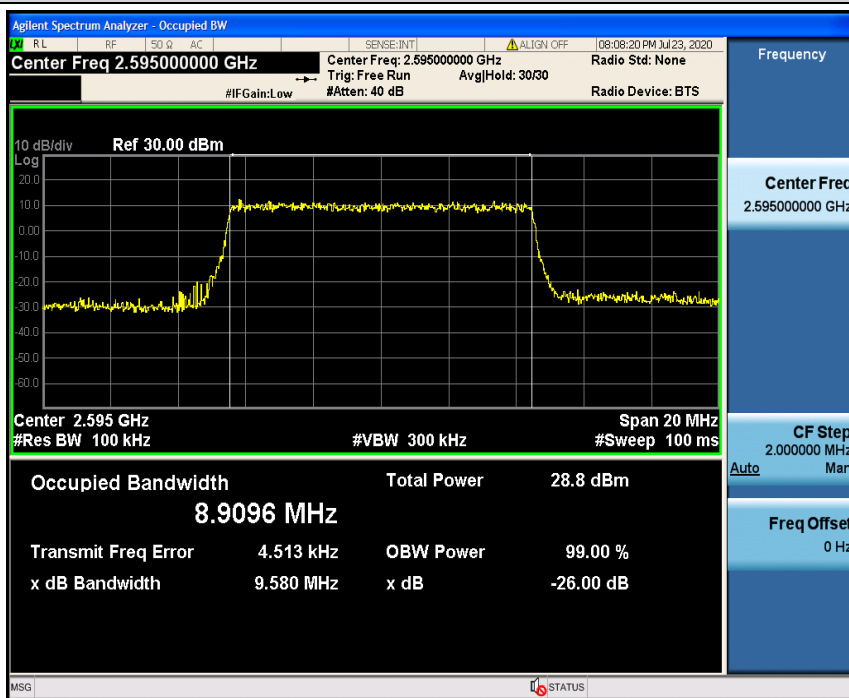
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Band38-10MHz-16QAM-37800-50RB#0-8.9068



Band38-10MHz-16QAM-38000-50RB#0-8.9096



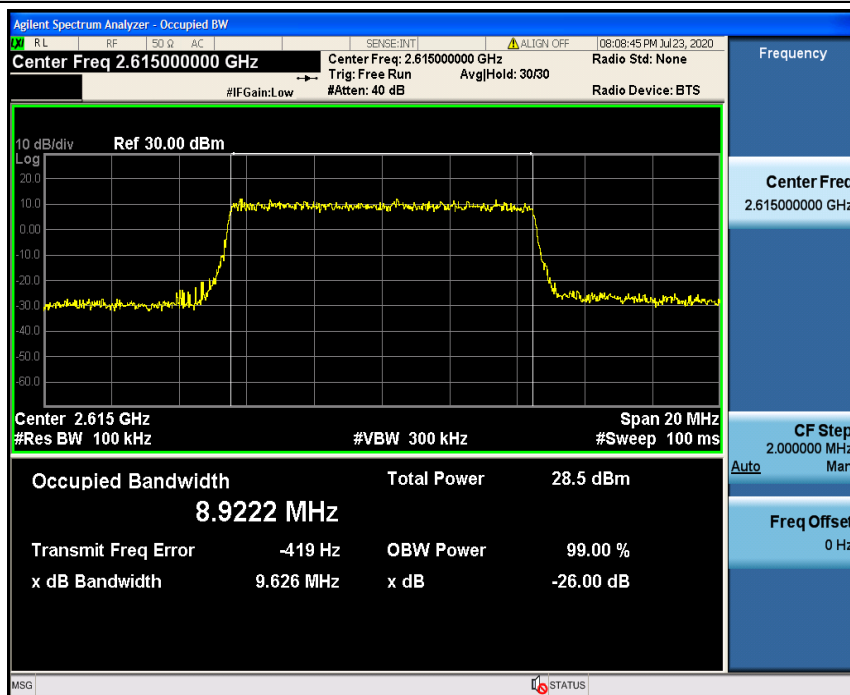
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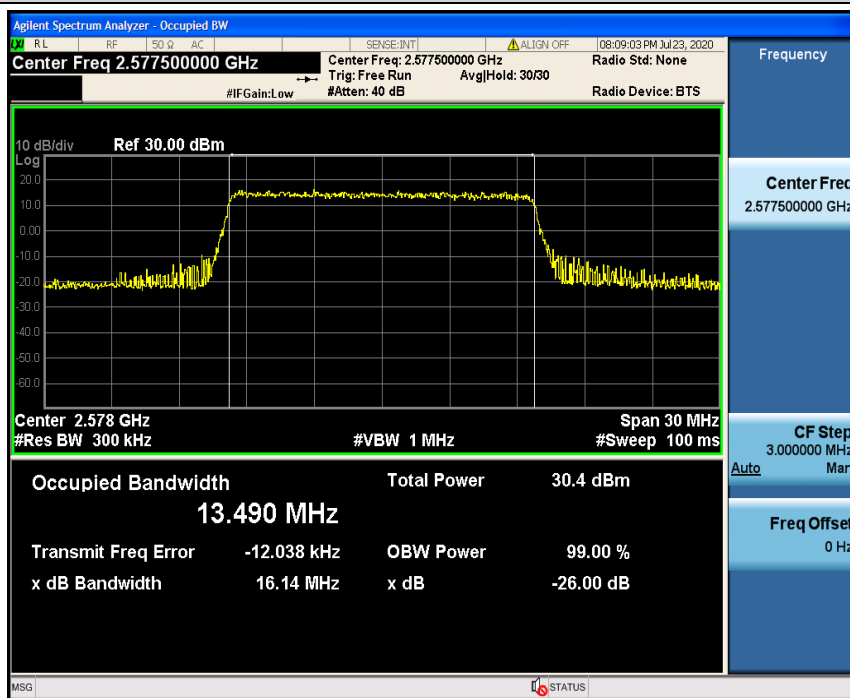
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Band38-10MHz-16QAM-38200-50RB#0-8.9222



Band38-15MHz-QPSK-37825-75RB#0-13.490



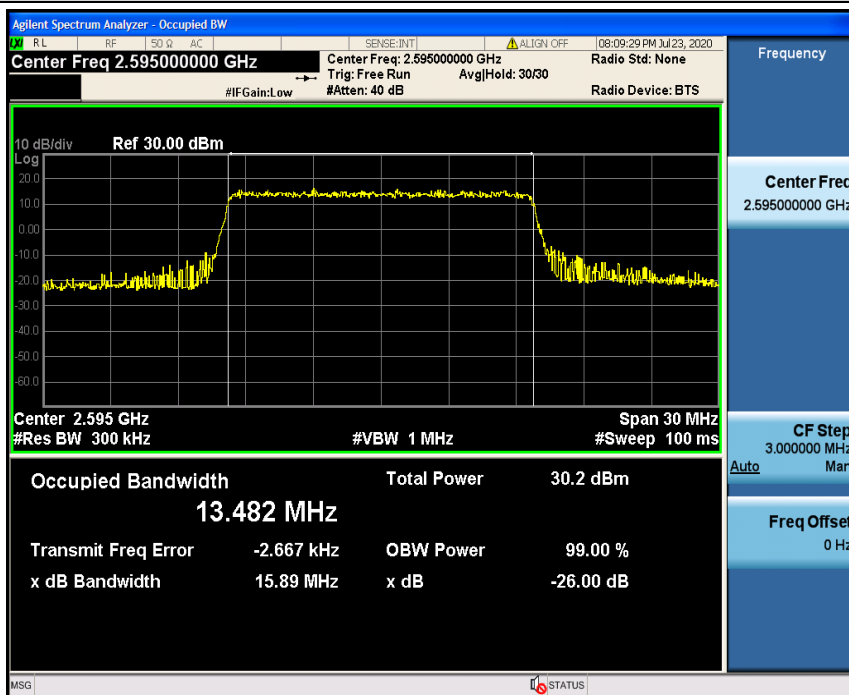
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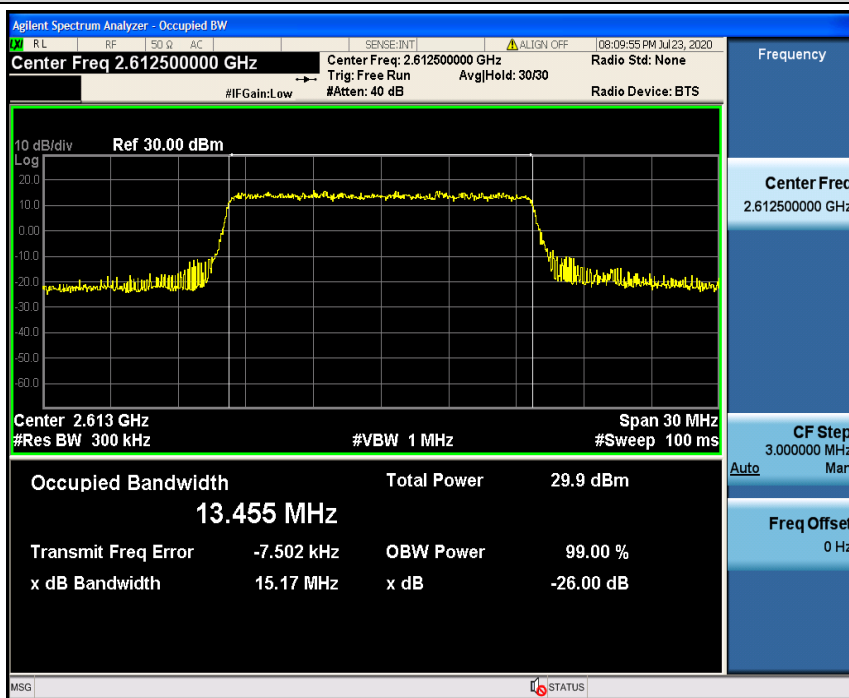
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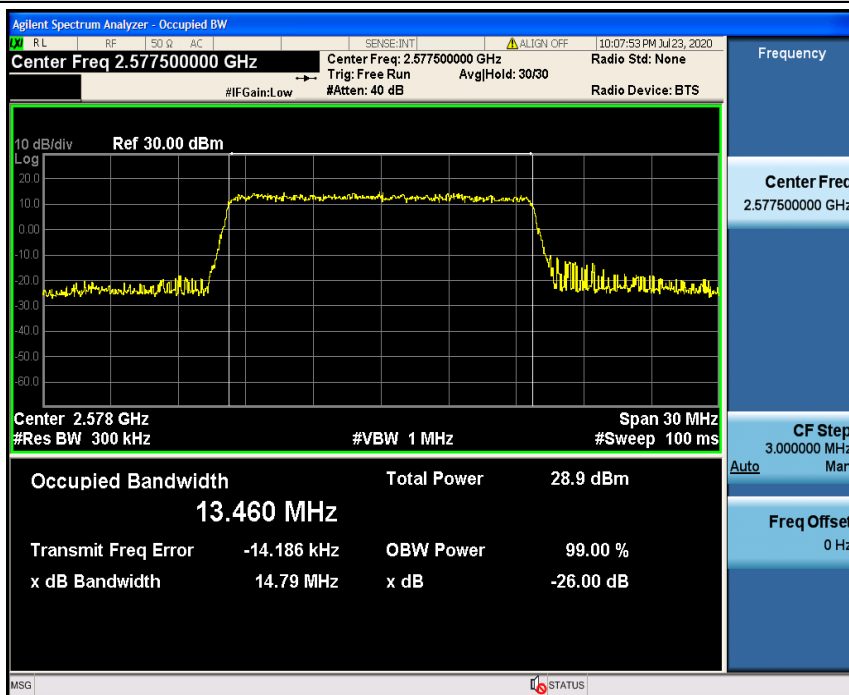
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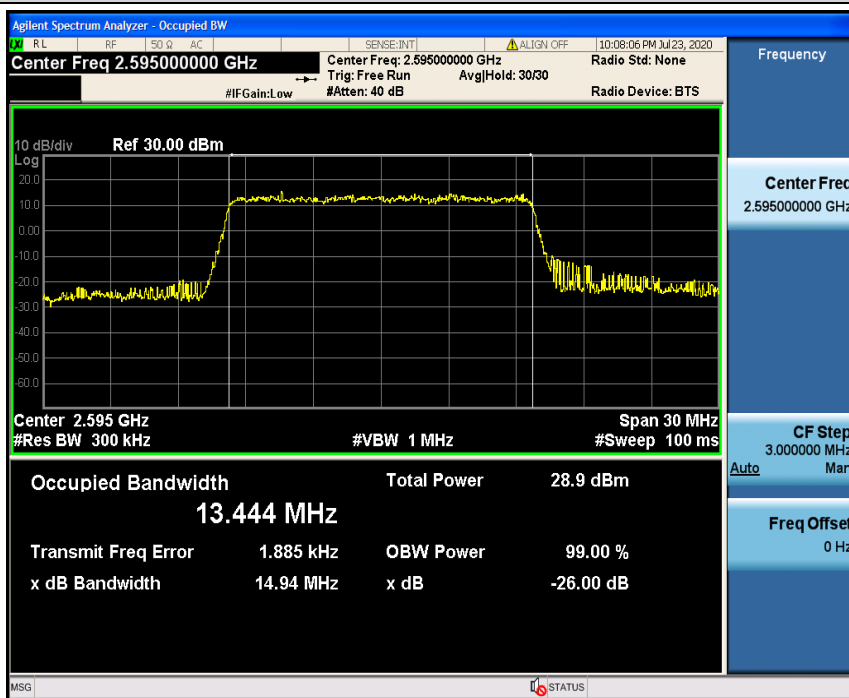
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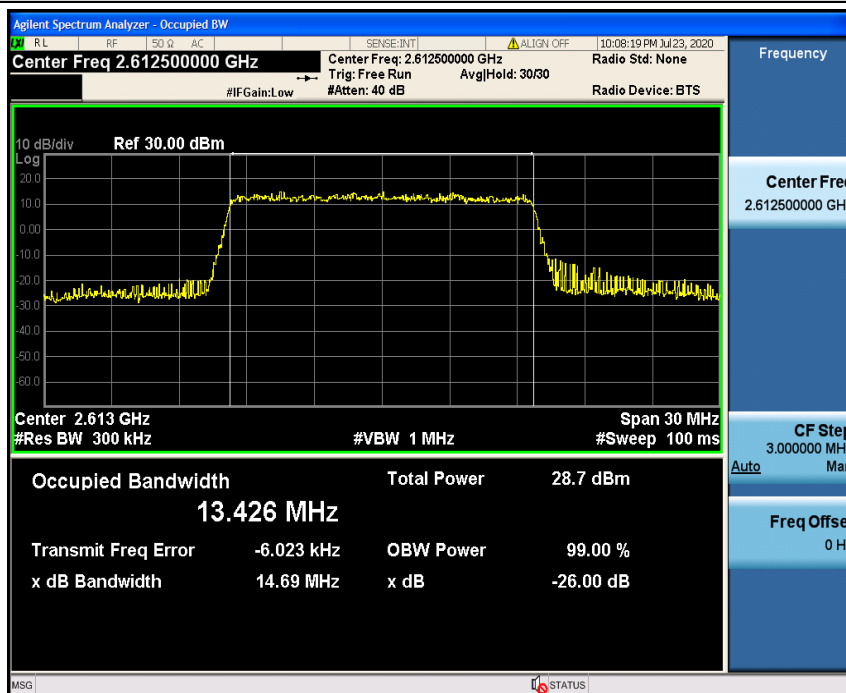
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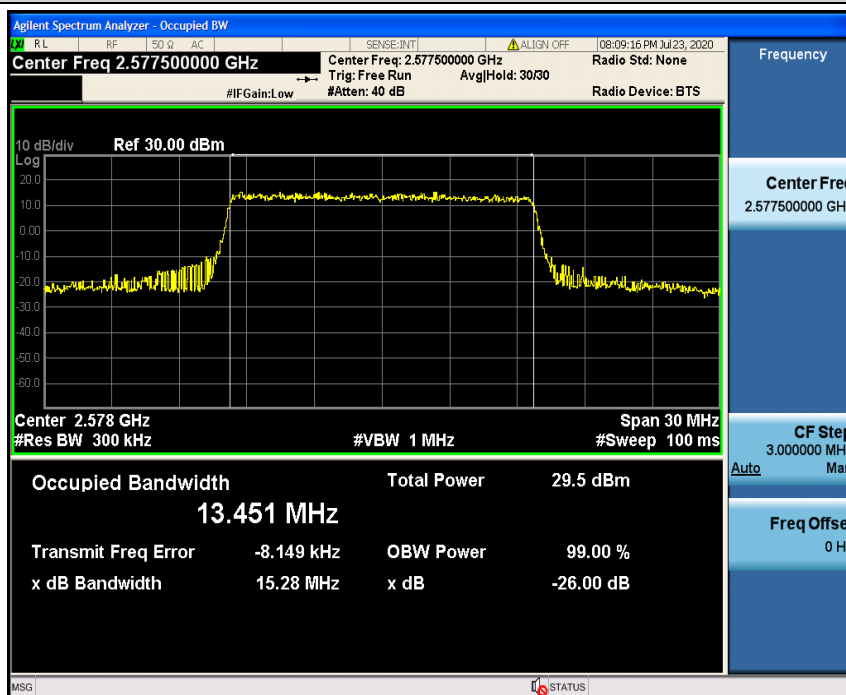
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Band38-15MHz-64QAM-38175-75RB#0-13.426



Band38-15MHz-16QAM-37825-75RB#0-13.451



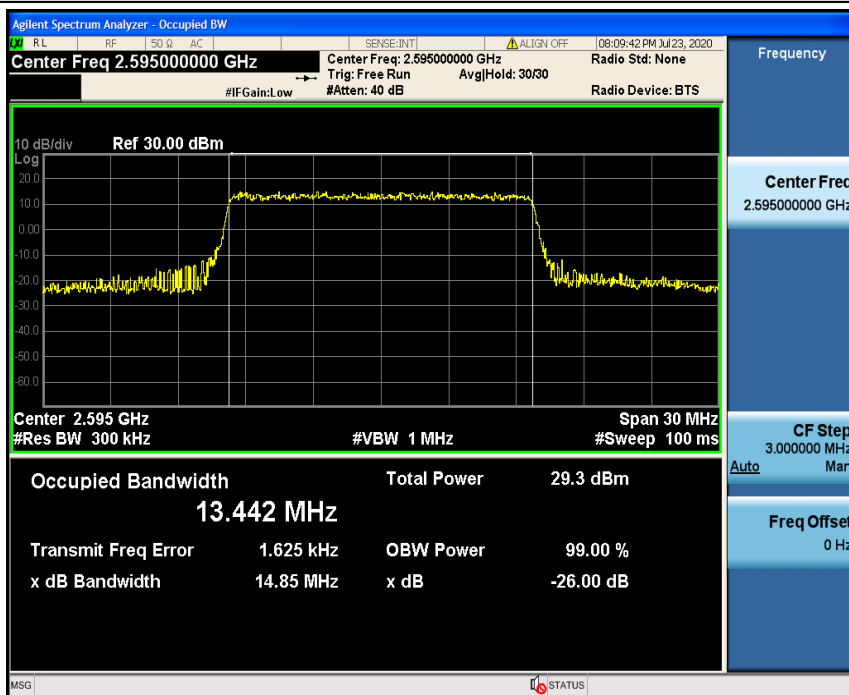
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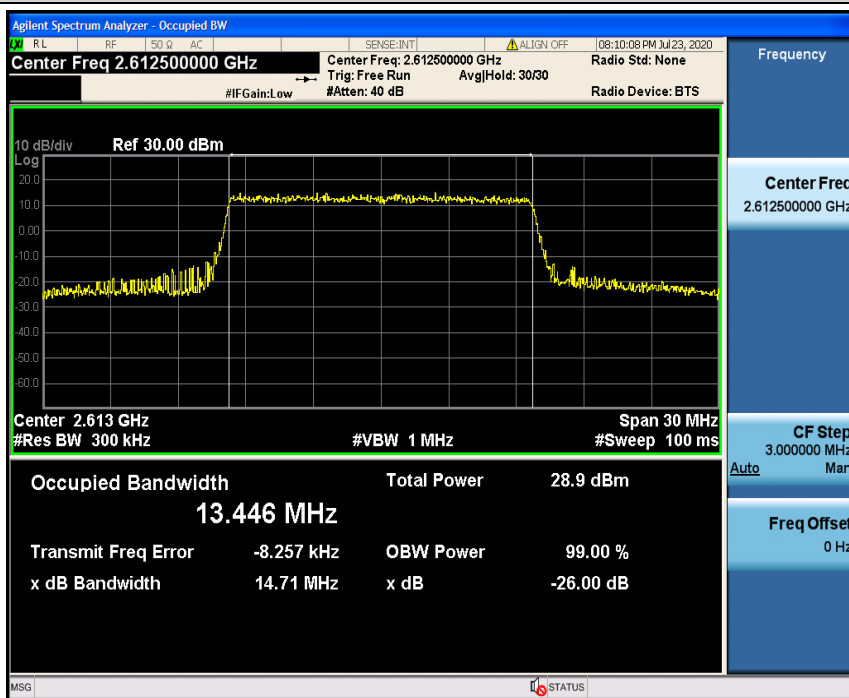
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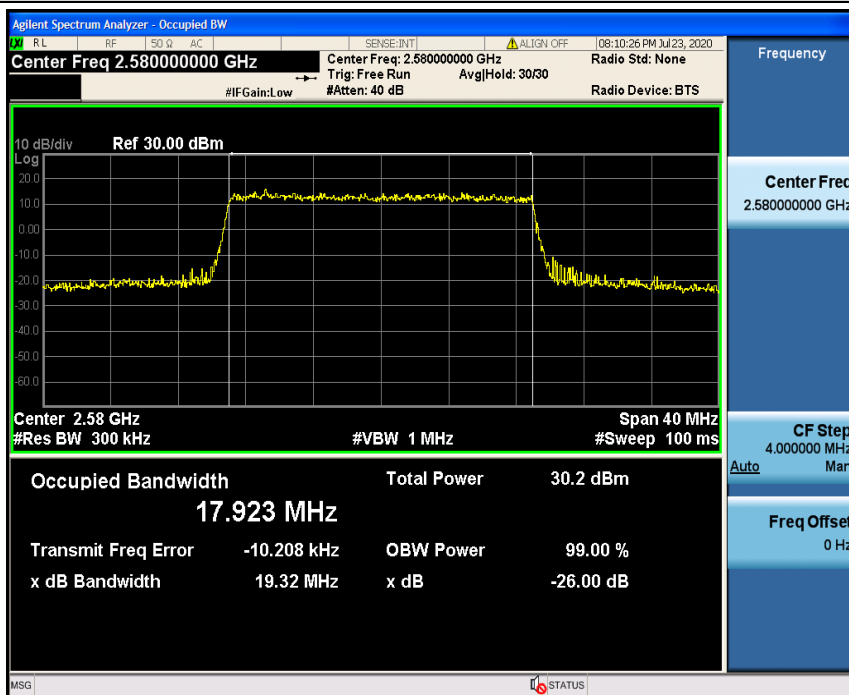
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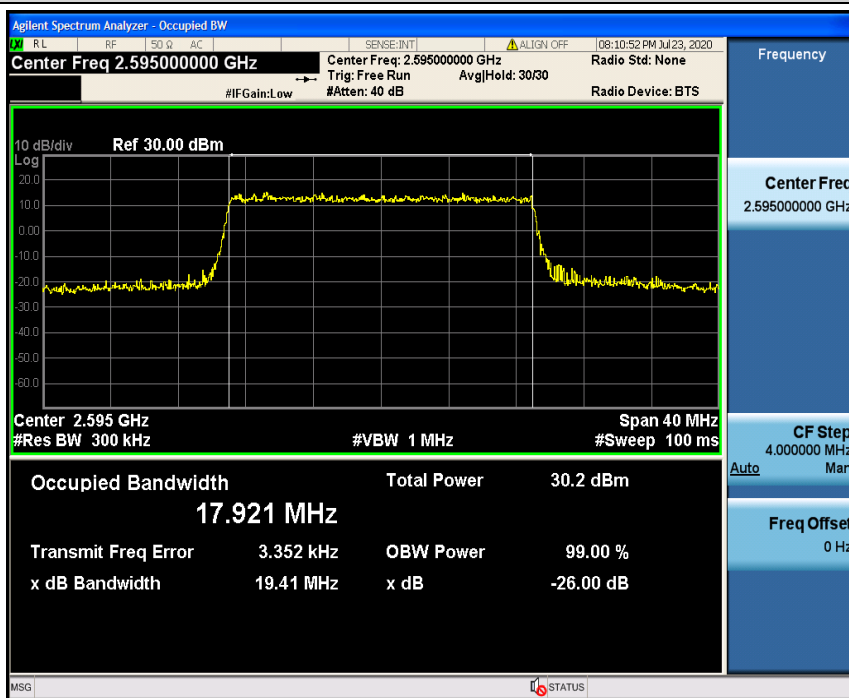
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Band38-20MHz-QPSK-37850-100RB#0-17.923



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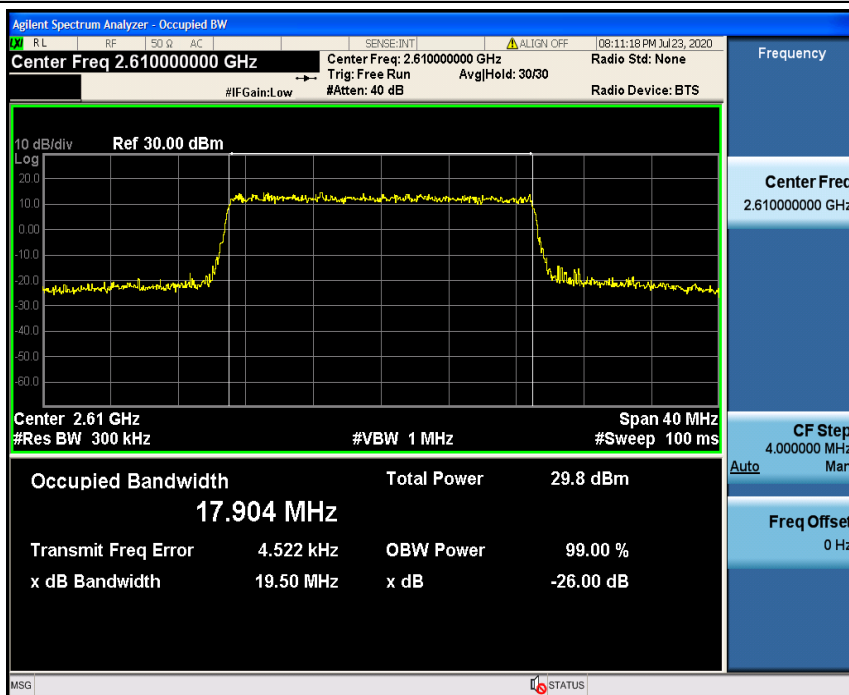
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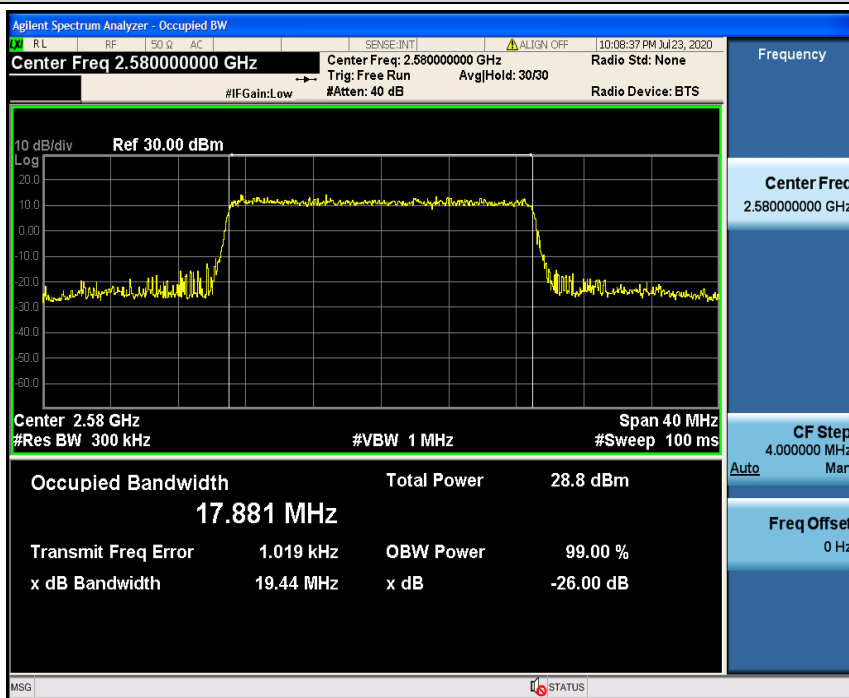
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Band38-20MHz-64QAM-37850-100RB#0-17.881



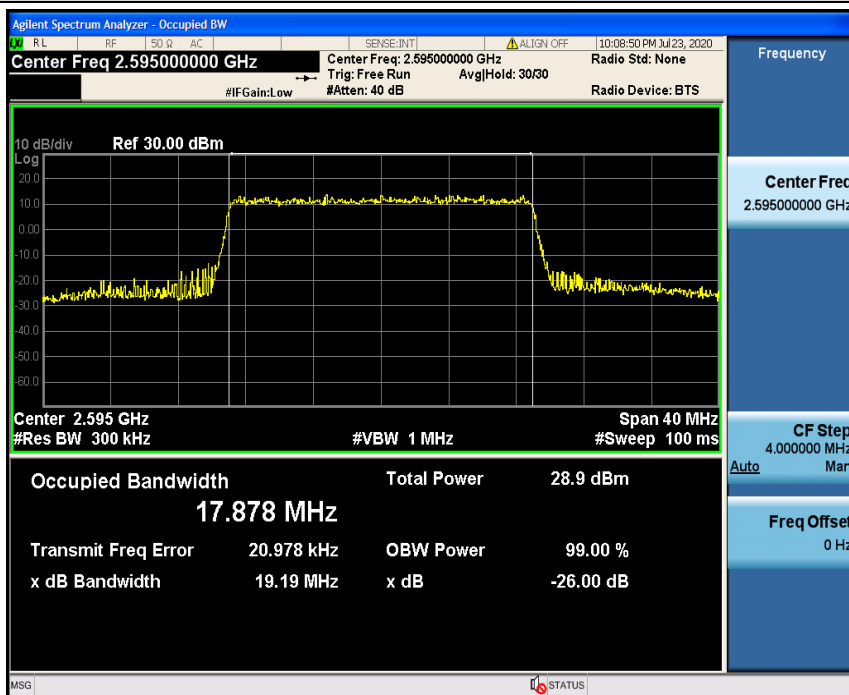
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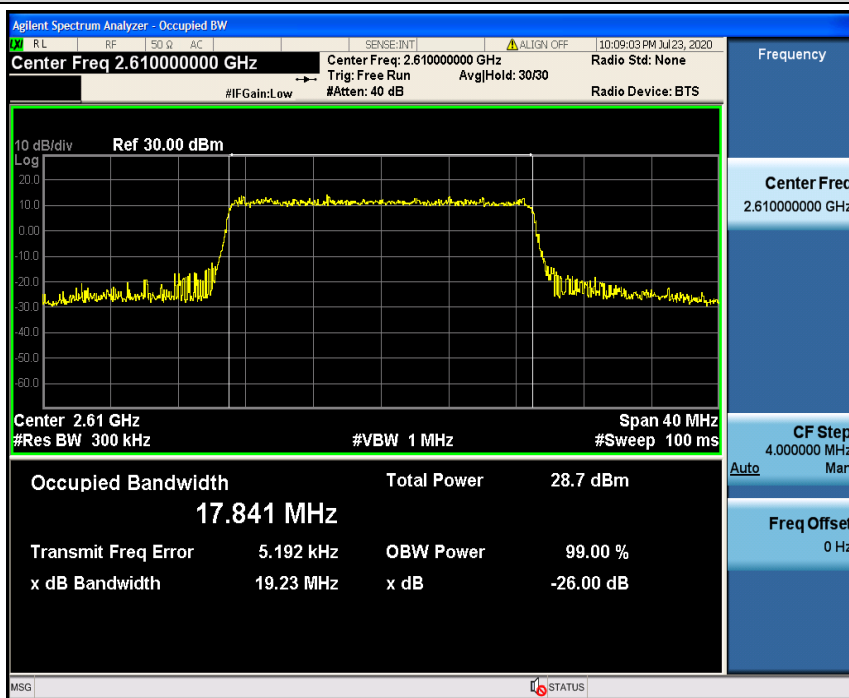
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Band38-20MHz-64QAM-38000-100RB#0-17.878

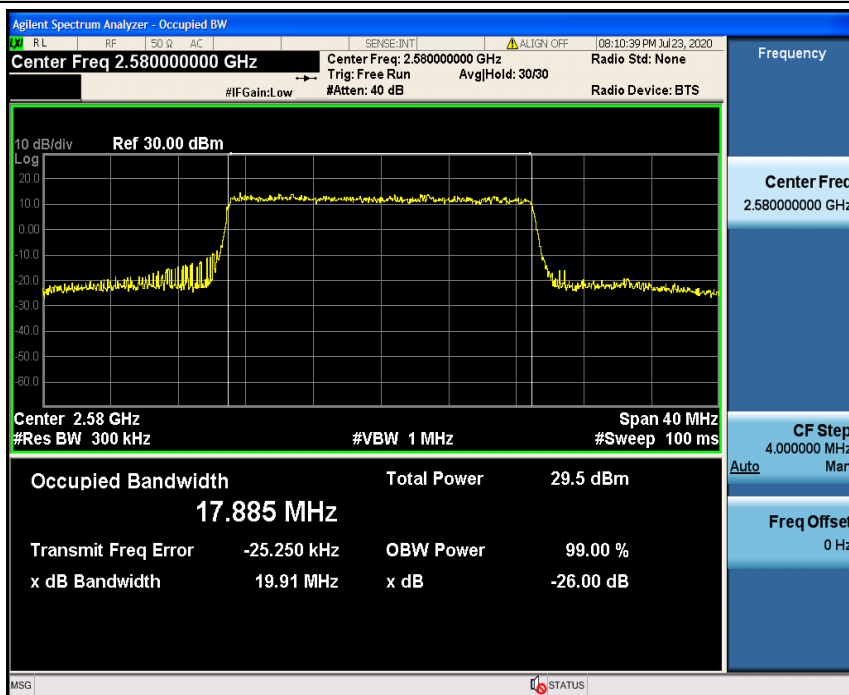


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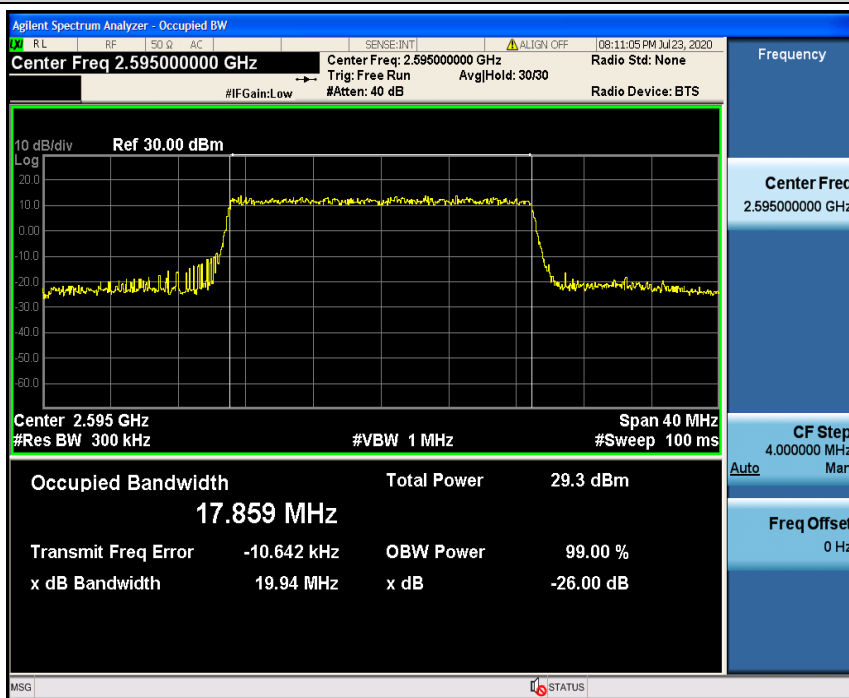




Band38-20MHz-16QAM-37850-100RB#0-17.885



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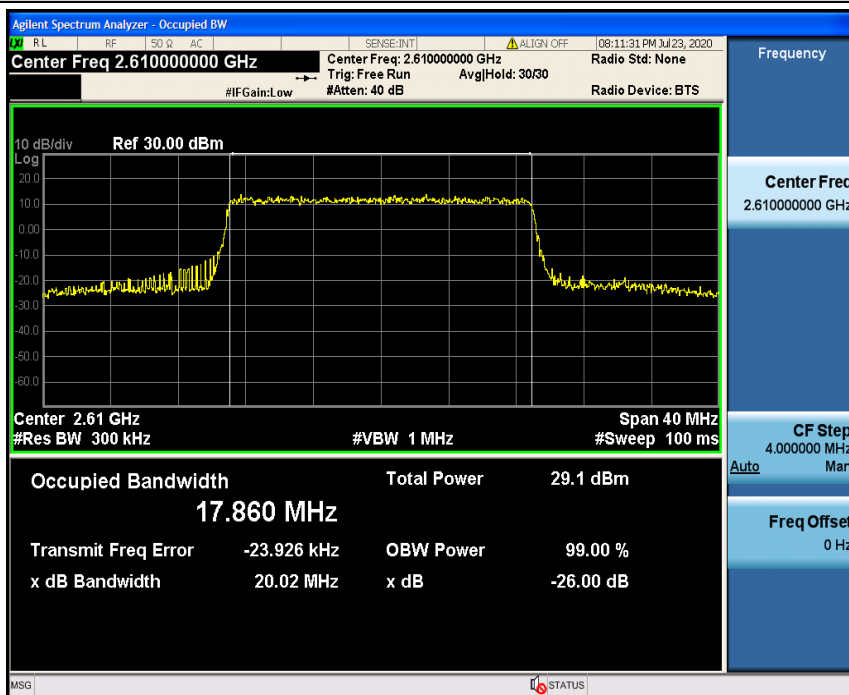


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Band38-20MHz-16QAM-38150-100RB#0-17.860





5. Band Edge Compliance

5.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band38	5MHz	QPSK	37775	1RB#0	-44.01,-48.44,-14.97	PASS
Band38	5MHz	QPSK	37775	25RB#0	-44.92,-45.85,-25.88	PASS
Band38	5MHz	QPSK	38225	1RB#24	-45.66,-50.49,-18.11	PASS
Band38	5MHz	QPSK	38225	25RB#0	-46.40,-46.51,-26.11	PASS
Band38	5MHz	64QAM	37775	1RB#0	-52.36,-52.13,-17.50	PASS
Band38	5MHz	64QAM	37775	25RB#0	-47.87,-46.68,-28.70	PASS
Band38	5MHz	64QAM	38225	1RB#24	-52.25,-51.91,-18.62	PASS
Band38	5MHz	64QAM	38225	25RB#0	-48.04,-46.77,-27.58	PASS
Band38	5MHz	16QAM	37775	1RB#0	-44.82,-49.49,-16.44	PASS
Band38	5MHz	16QAM	37775	25RB#0	-46.36,-45.05,-24.85	PASS
Band38	5MHz	16QAM	38225	1RB#24	-46.84,-50.82,-17.47	PASS
Band38	5MHz	16QAM	38225	25RB#0	-47.45,-46.13,-26.24	PASS
Band38	10MHz	QPSK	37800	1RB#0	-42.04,-44.02,-22.80	PASS
Band38	10MHz	QPSK	37800	50RB#0	-43.94,-32.49,-27.18	PASS
Band38	10MHz	QPSK	38200	1RB#49	-43.71,-41.25,-21.02	PASS
Band38	10MHz	QPSK	38200	50RB#0	-45.24,-31.67,-25.61	PASS
Band38	10MHz	64QAM	37800	1RB#0	-50.82,-48.18,-24.06	PASS
Band38	10MHz	64QAM	37800	50RB#0	-45.50,-36.50,-32.20	PASS
Band38	10MHz	64QAM	38200	1RB#49	-50.14,-44.08,-24.06	PASS
Band38	10MHz	64QAM	38200	50RB#0	-46.44,-36.96,-31.12	PASS
Band38	10MHz	16QAM	37800	1RB#0	-42.60,-45.02,-20.53	PASS
Band38	10MHz	16QAM	37800	50RB#0	-44.54,-34.36,-28.77	PASS
Band38	10MHz	16QAM	38200	1RB#49	-44.56,-41.82,-23.14	PASS
Band38	10MHz	16QAM	38200	50RB#0	-46.02,-34.03,-28.59	PASS
Band38	15MHz	QPSK	37825	1RB#0	-47.95,-38.42,-21.75	PASS
Band38	15MHz	QPSK	37825	75RB#0	-44.35,-29.35,-27.89	PASS
Band38	15MHz	QPSK	38175	1RB#74	-48.10,-40.51,-22.49	PASS
Band38	15MHz	QPSK	38175	75RB#0	-45.89,-29.53,-26.62	PASS
Band38	15MHz	64QAM	37825	1RB#0	-48.40,-40.03,-22.80	PASS
Band38	15MHz	64QAM	37825	75RB#0	-45.25,-33.15,-32.15	PASS
Band38	15MHz	64QAM	38175	1RB#74	-48.20,-41.82,-23.81	PASS
Band38	15MHz	64QAM	38175	75RB#0	-45.83,-33.71,-31.05	PASS



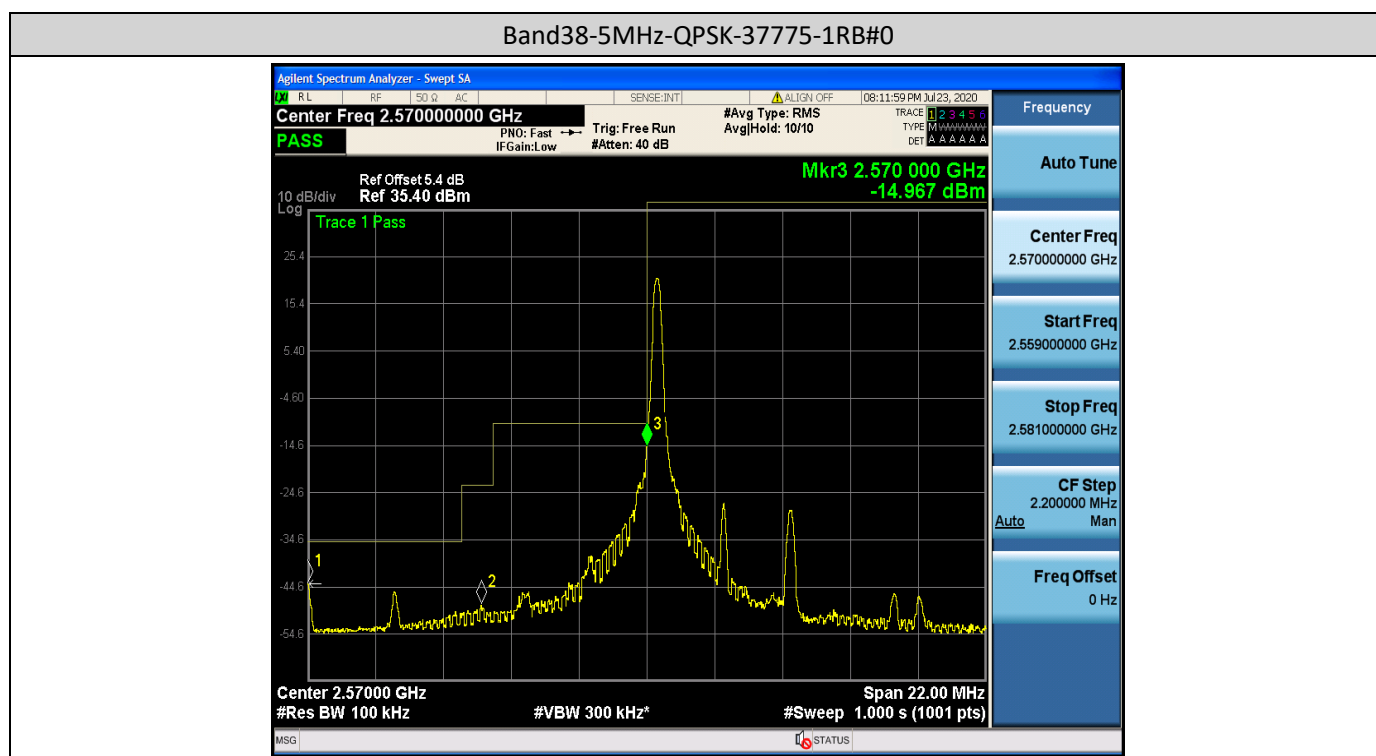
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Band38	15MHz	16QAM	37825	1RB#0	-47.61,-39.40,-23.80	PASS
Band38	15MHz	16QAM	37825	75RB#0	-44.57,-30.59,-29.37	PASS
Band38	15MHz	16QAM	38175	1RB#74	-47.99,-41.56,-23.36	PASS
Band38	15MHz	16QAM	38175	75RB#0	-46.02,-31.54,-28.15	PASS
Band38	20MHz	QPSK	37850	1RB#0	-46.86,-40.82,-21.58	PASS
Band38	20MHz	QPSK	37850	100RB#0	-43.38,-27.69,-26.02	PASS
Band38	20MHz	QPSK	38150	1RB#99	-46.70,-39.92,-21.32	PASS
Band38	20MHz	QPSK	38150	100RB#0	-44.65,-27.56,-24.92	PASS
Band38	20MHz	64QAM	37850	1RB#0	-46.96,-40.44,-22.71	PASS
Band38	20MHz	64QAM	37850	100RB#0	-43.66,-30.33,-29.87	PASS
Band38	20MHz	64QAM	38150	1RB#99	-46.60,-42.19,-21.59	PASS
Band38	20MHz	64QAM	38150	100RB#0	-44.45,-32.10,-30.52	PASS
Band38	20MHz	16QAM	37850	1RB#0	-46.77,-40.58,-20.24	PASS
Band38	20MHz	16QAM	37850	100RB#0	-43.45,-29.46,-28.11	PASS
Band38	20MHz	16QAM	38150	1RB#99	-46.52,-40.67,-22.37	PASS
Band38	20MHz	16QAM	38150	100RB#0	-44.22,-29.07,-26.80	PASS

5.2. Test Plots

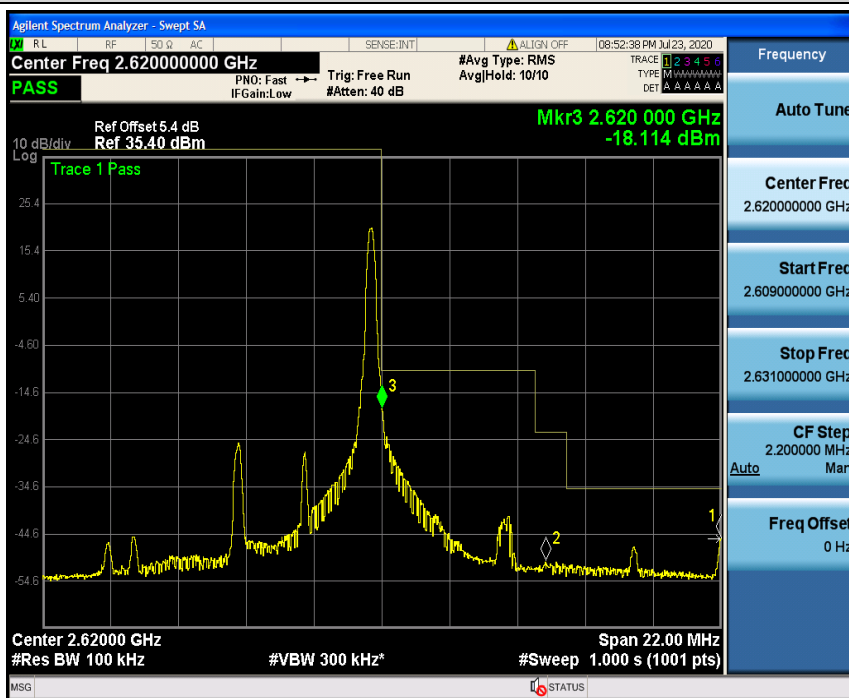




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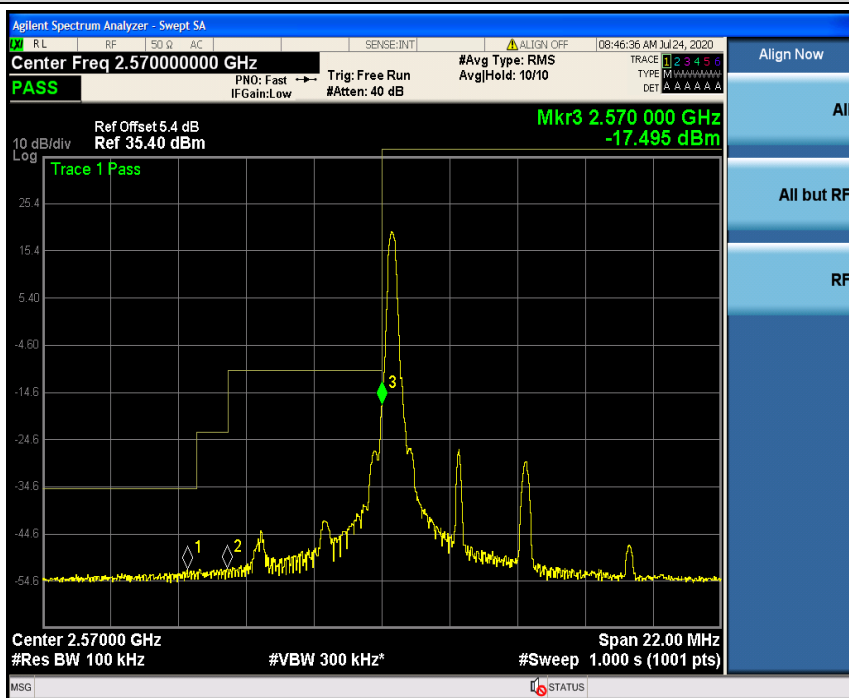




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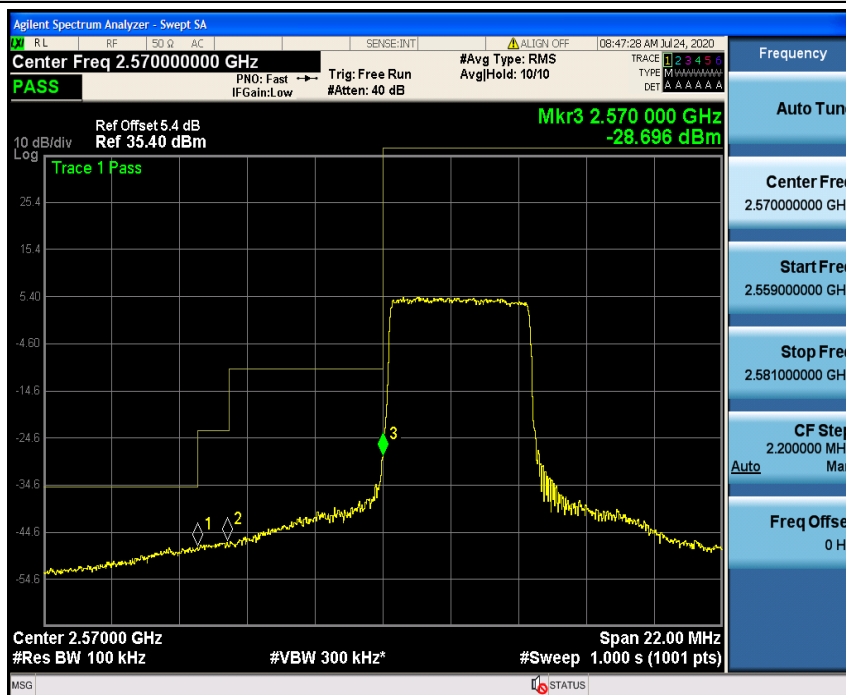


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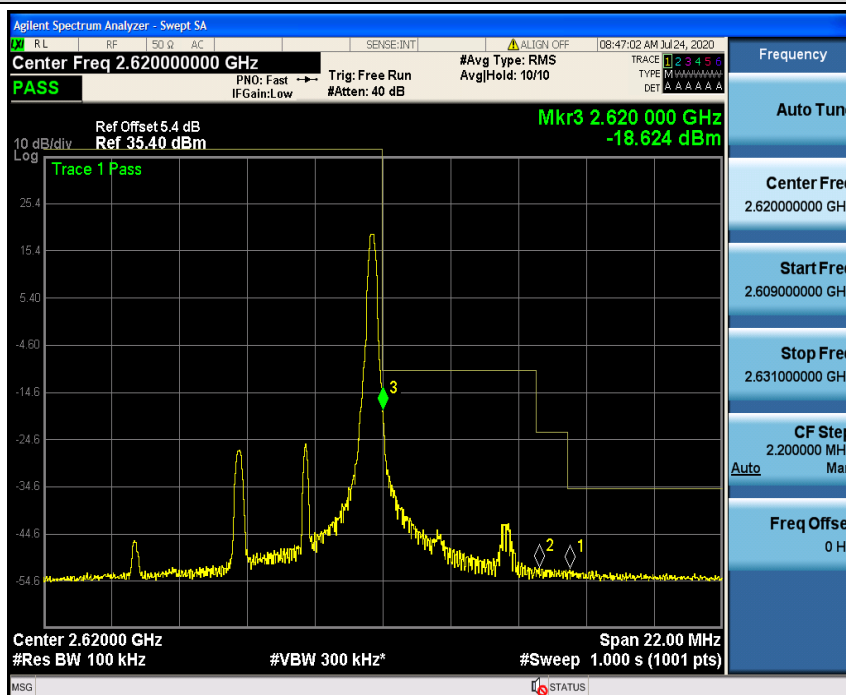




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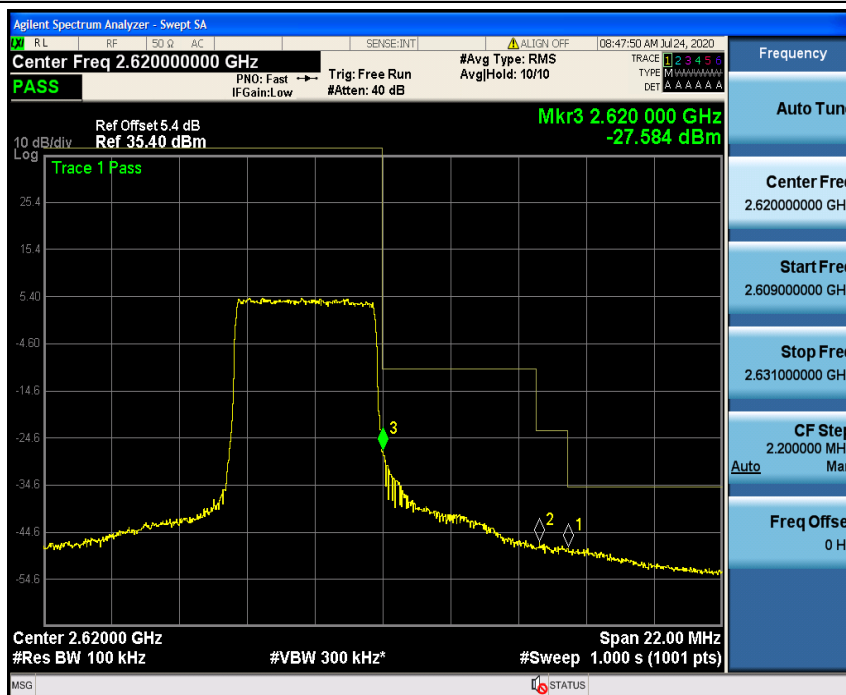


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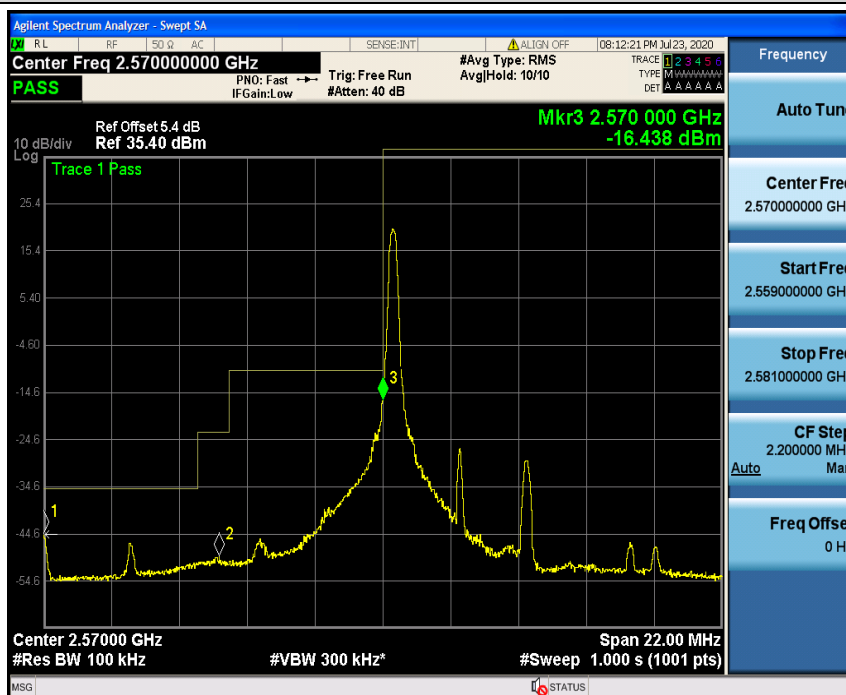




Band38-5MHz-64QAM-38225-25RB#0



Band38-5MHz-16QAM-37775-1RB#0



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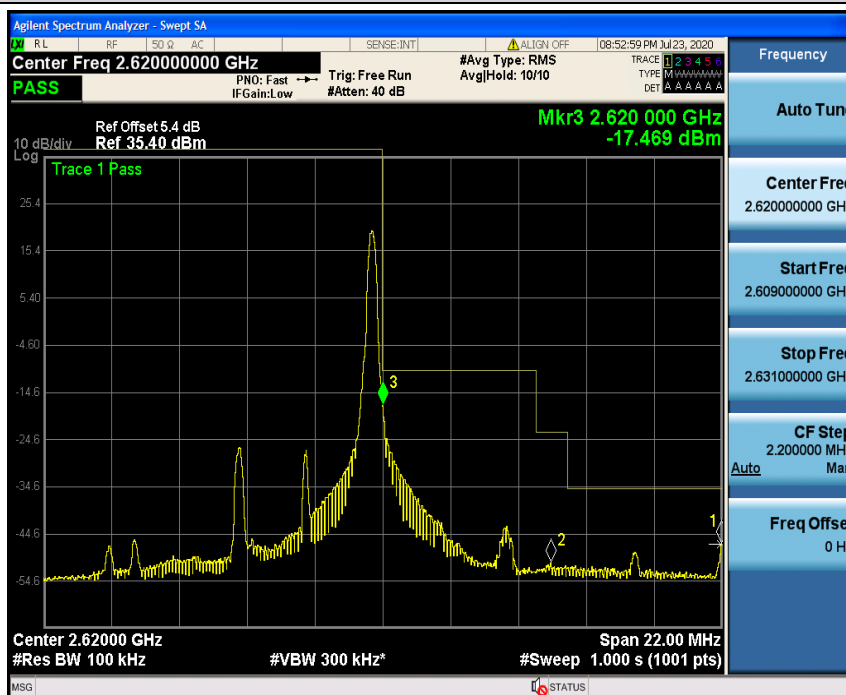
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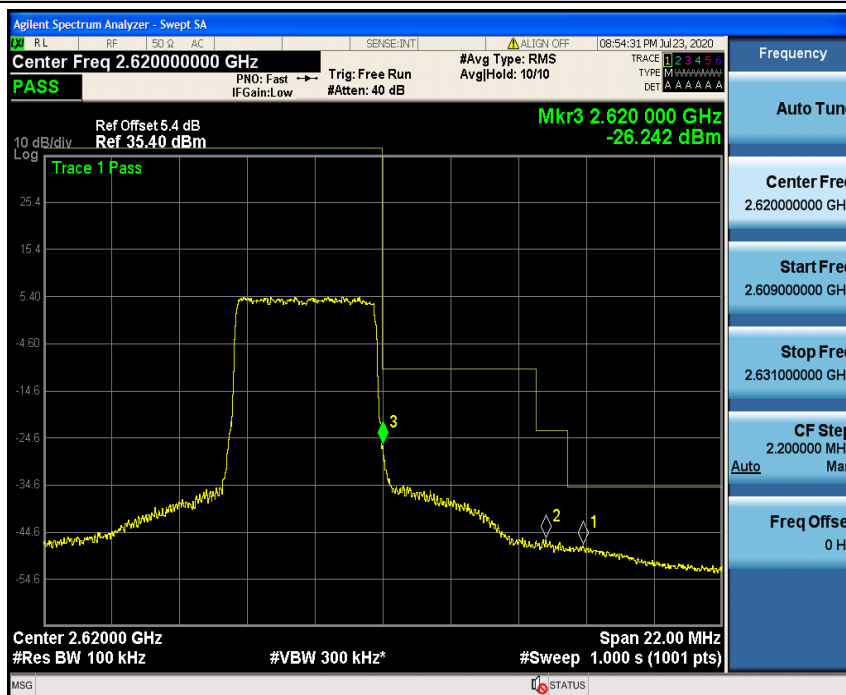


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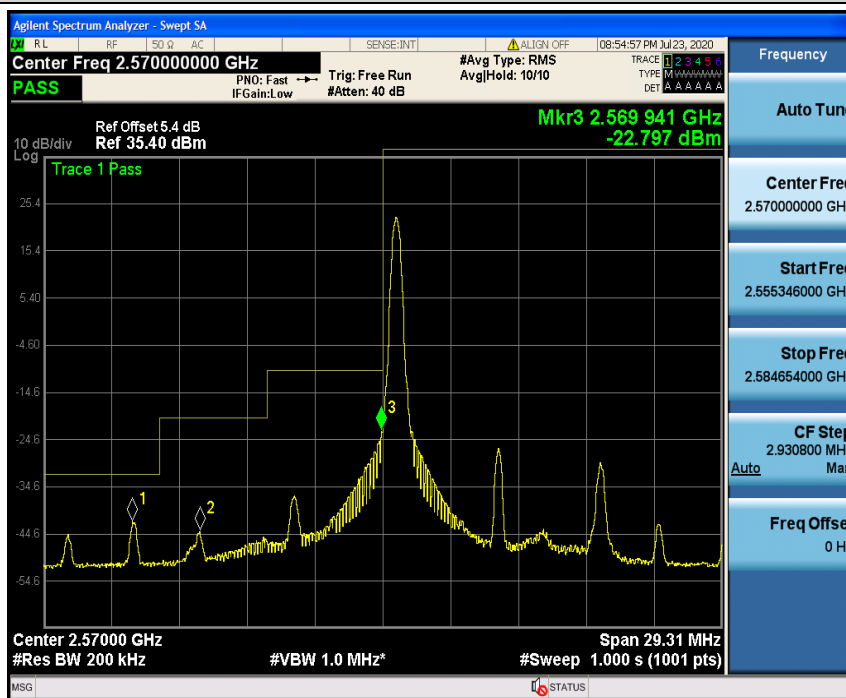




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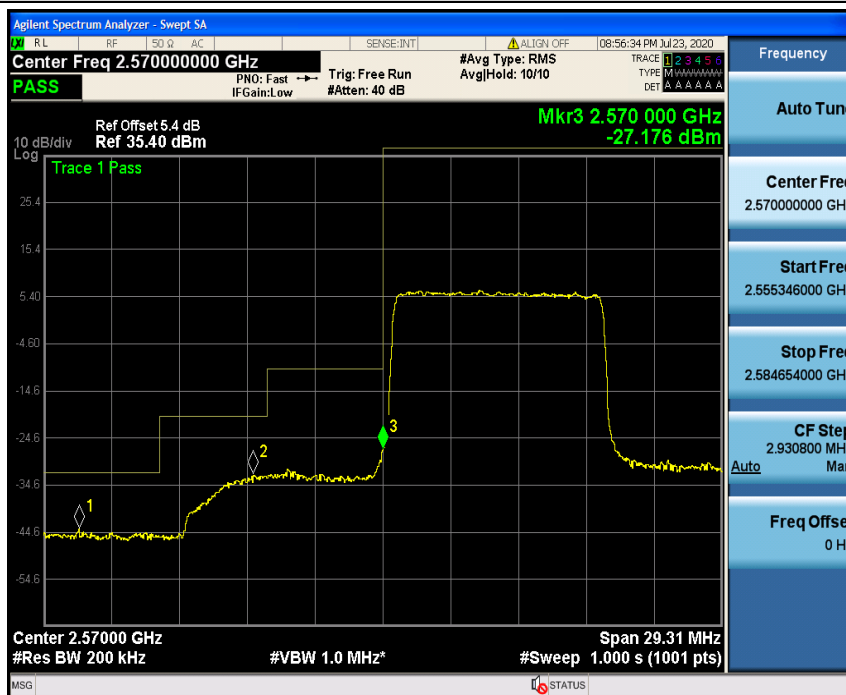


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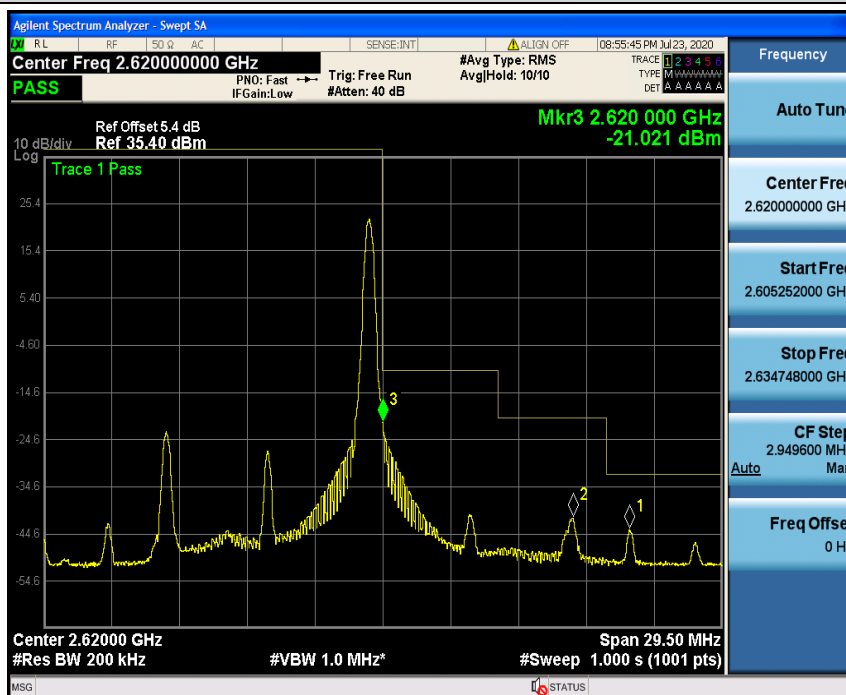




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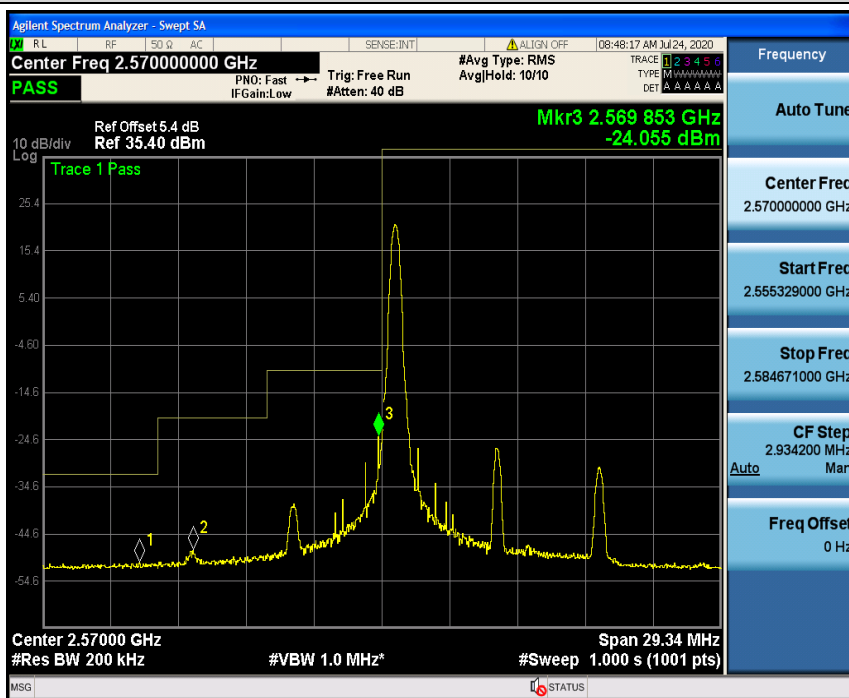




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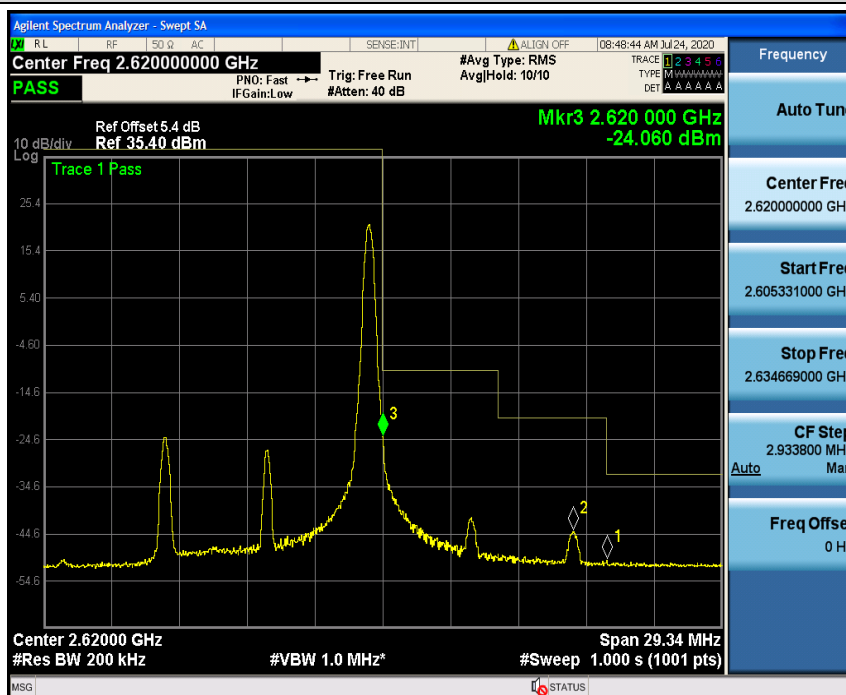




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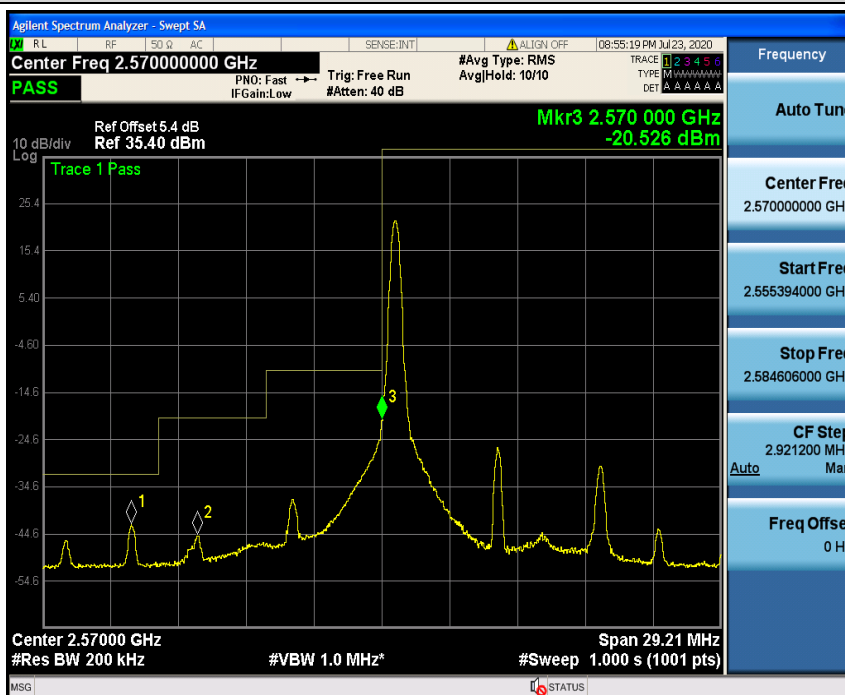




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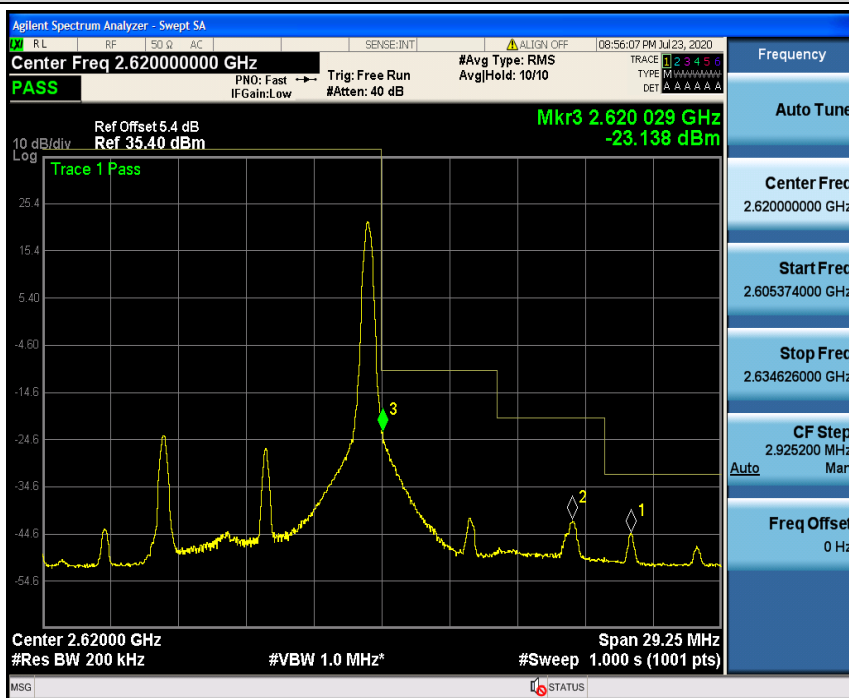




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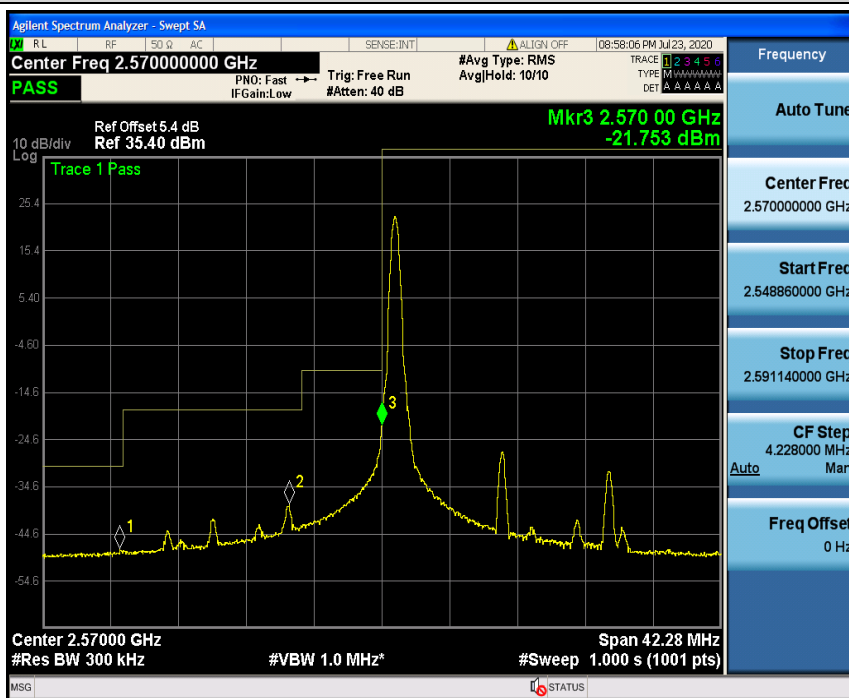




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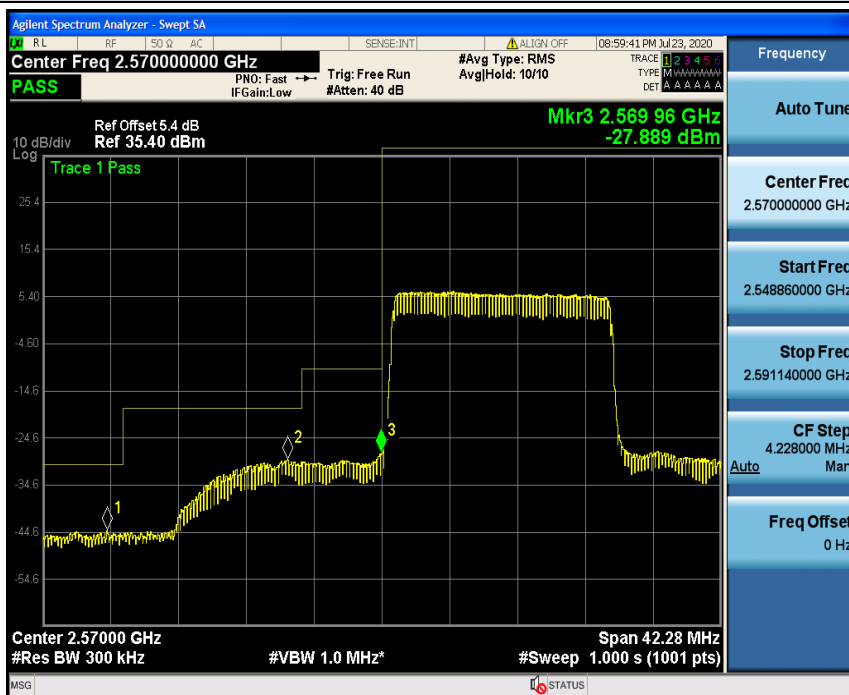


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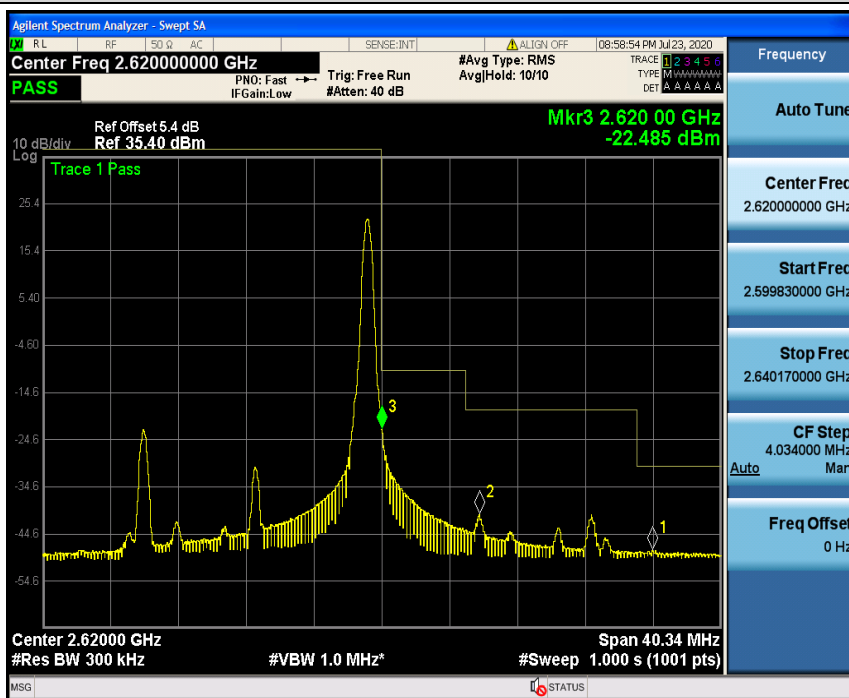




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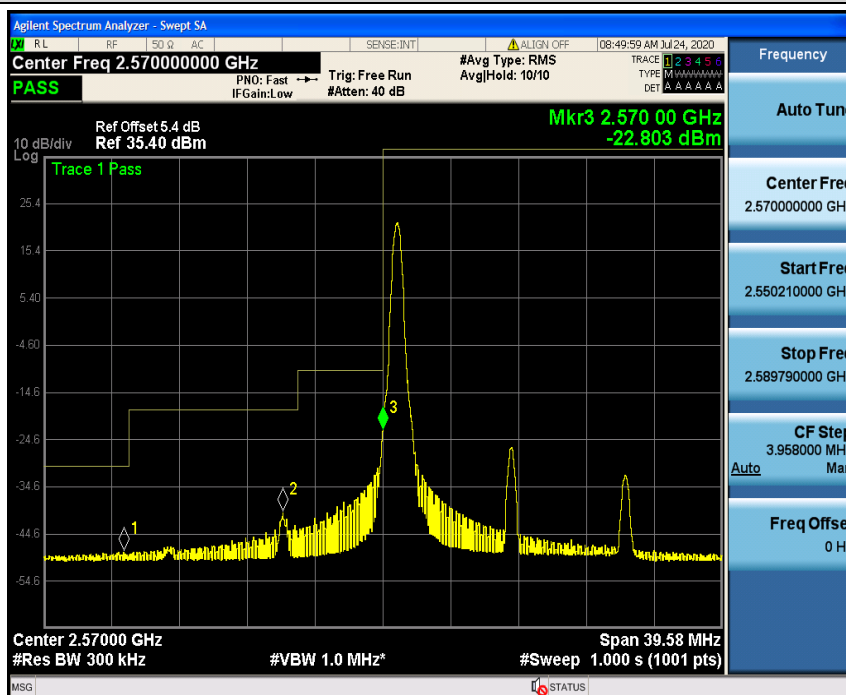




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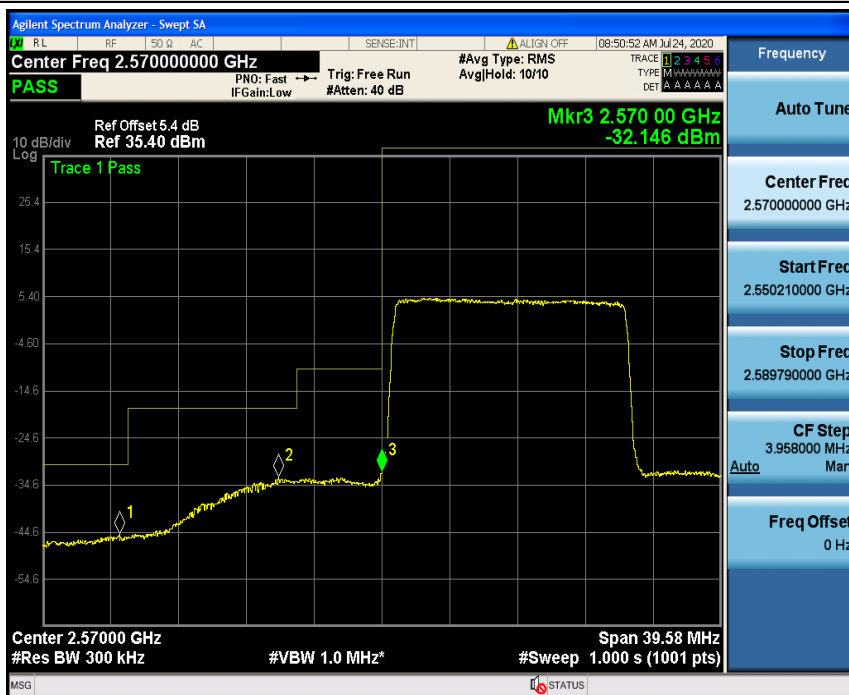


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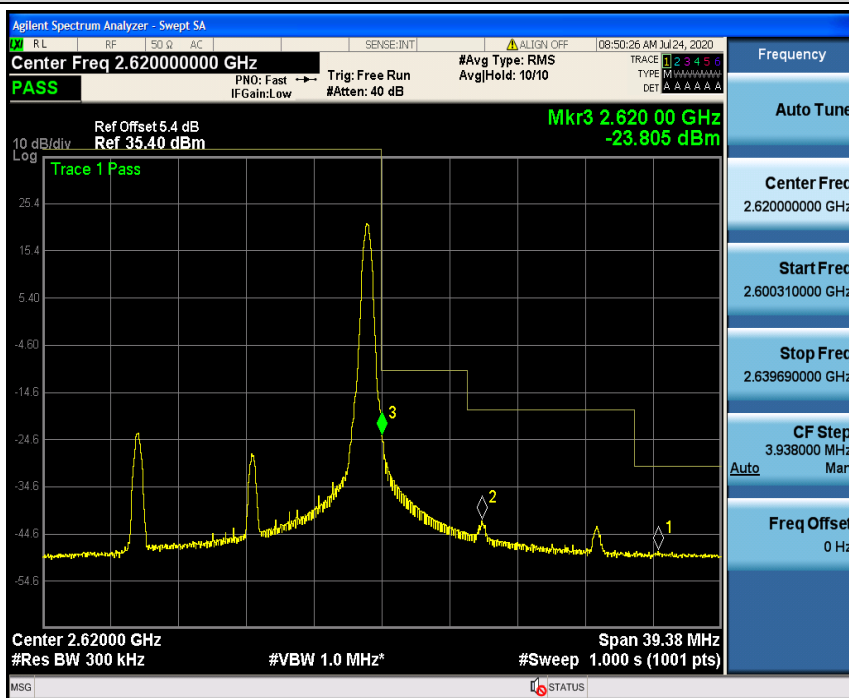




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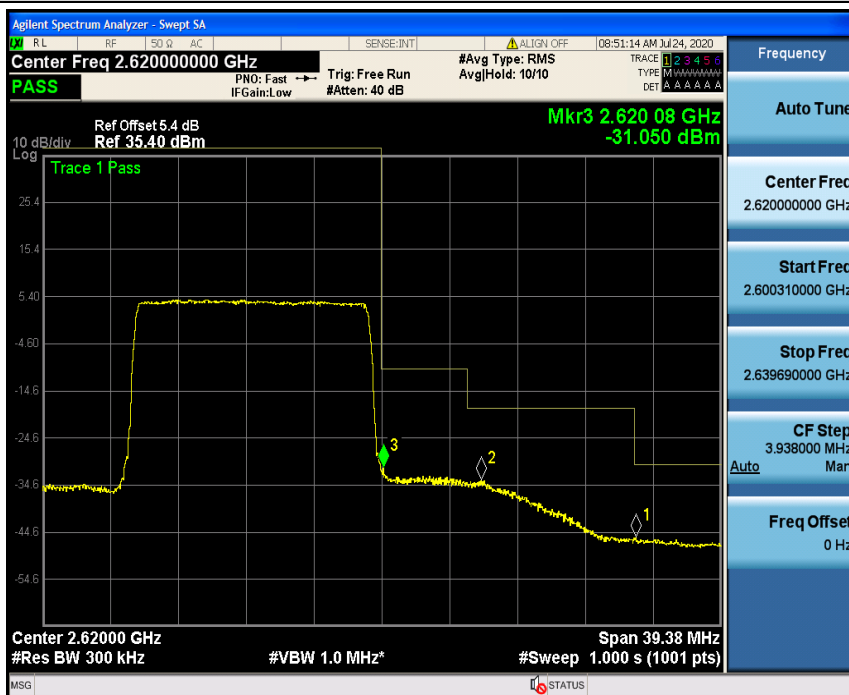


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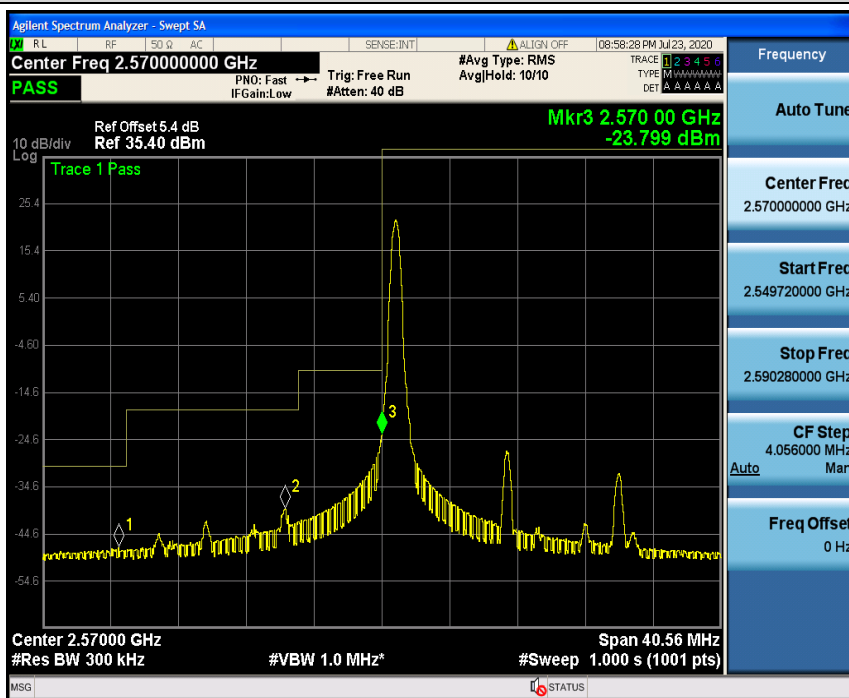




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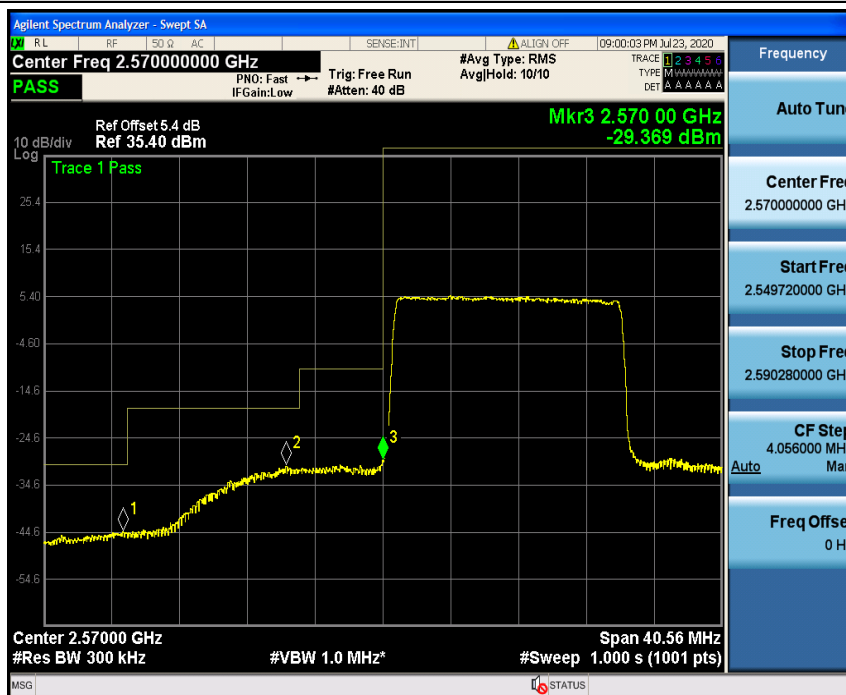


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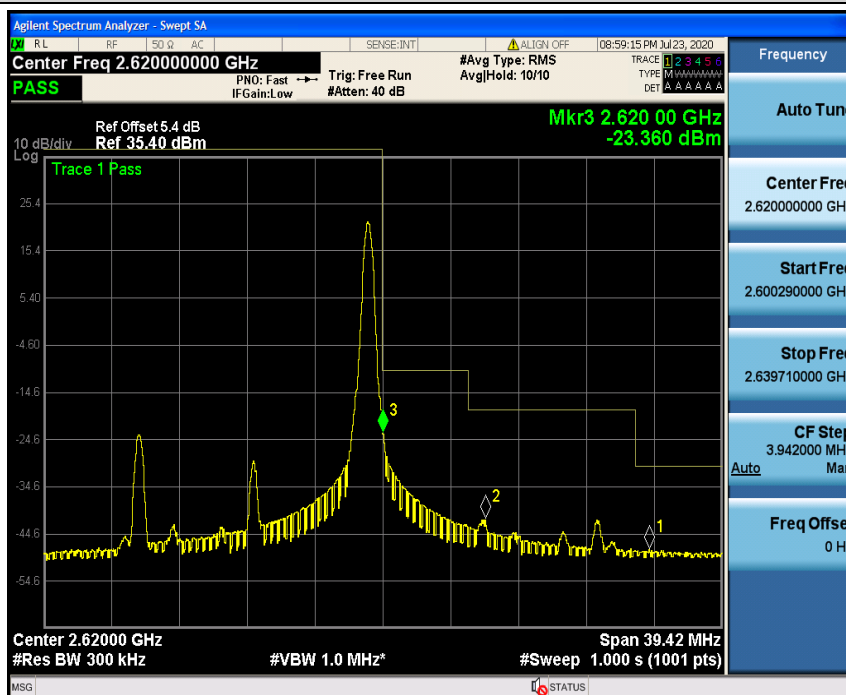




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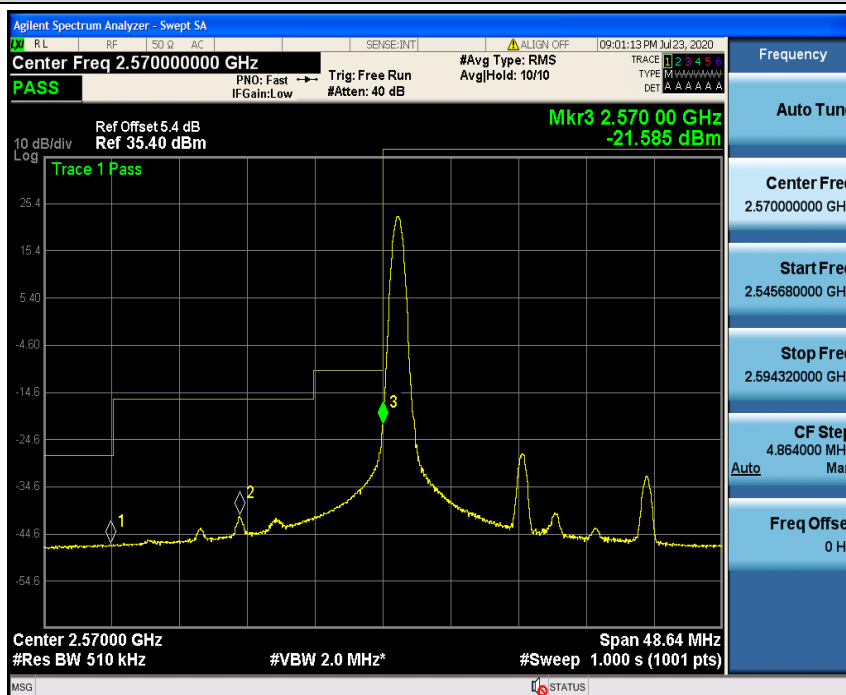




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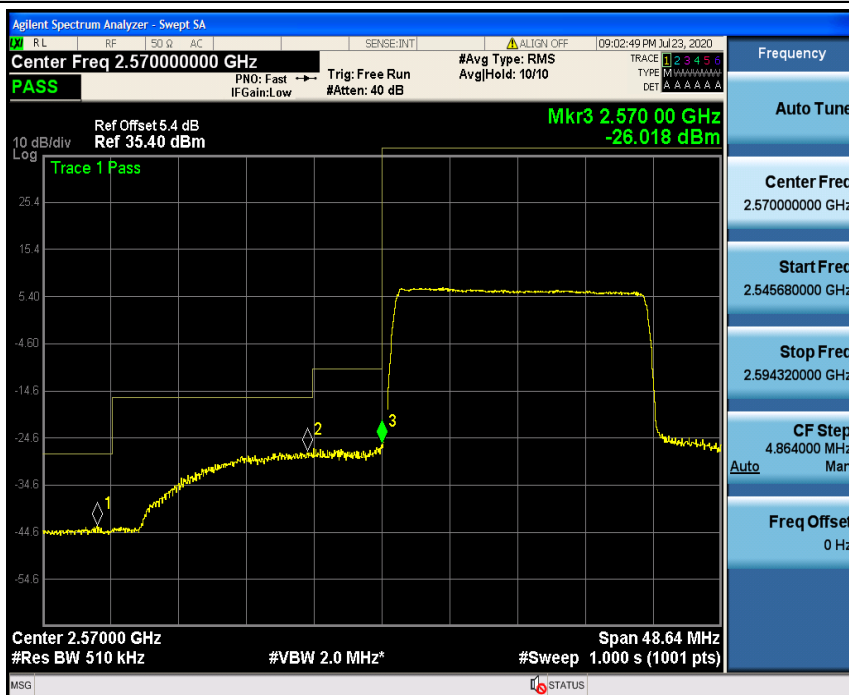


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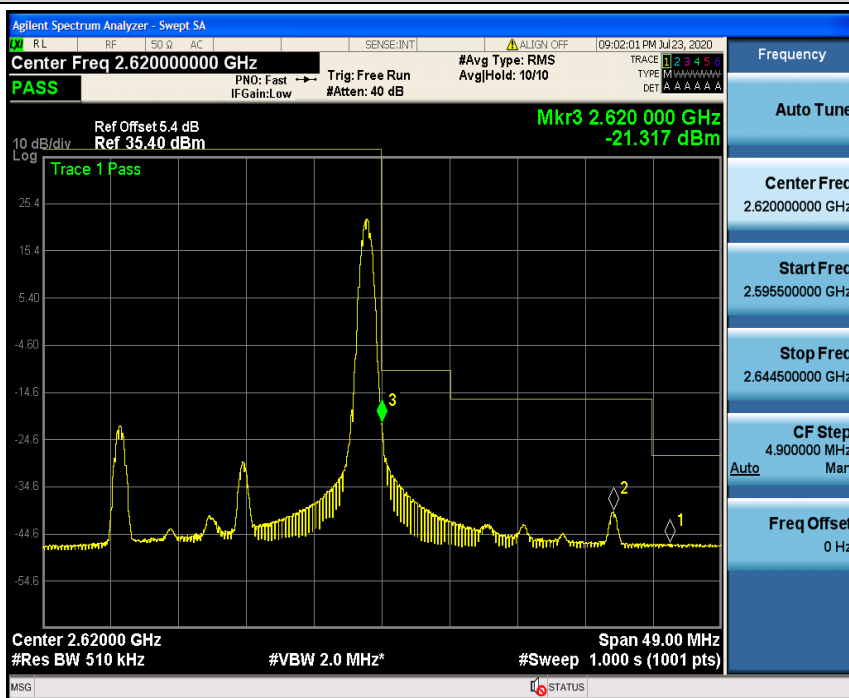
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Band38-20MHz-QPSK-37850-100RB#0



Band38-20MHz-QPSK-38150-1RB#99

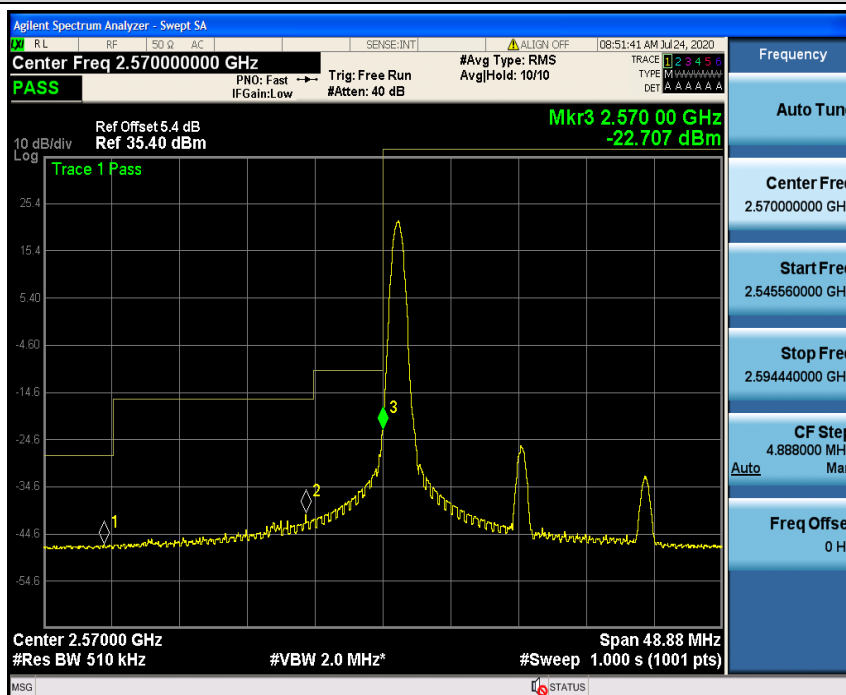




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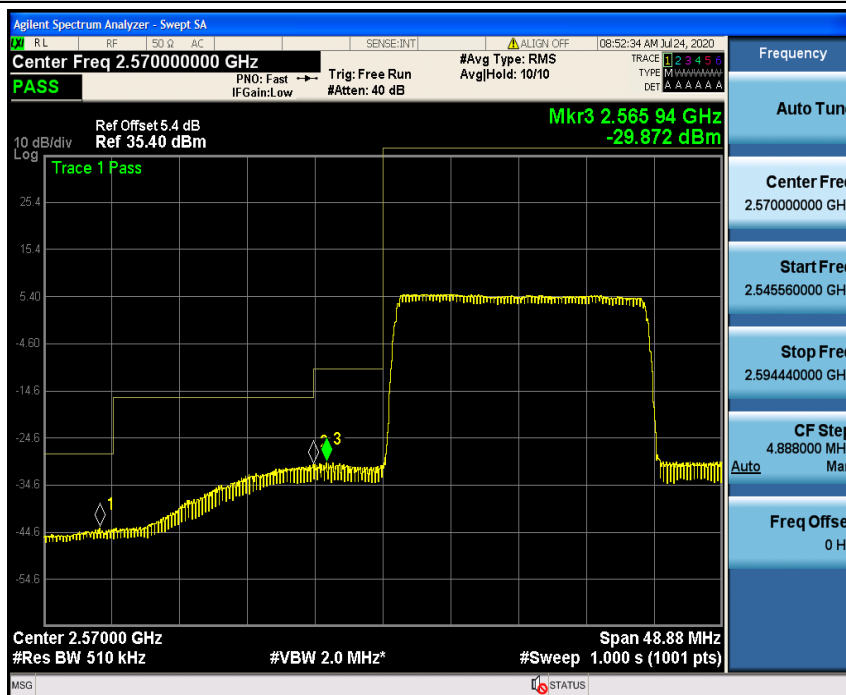


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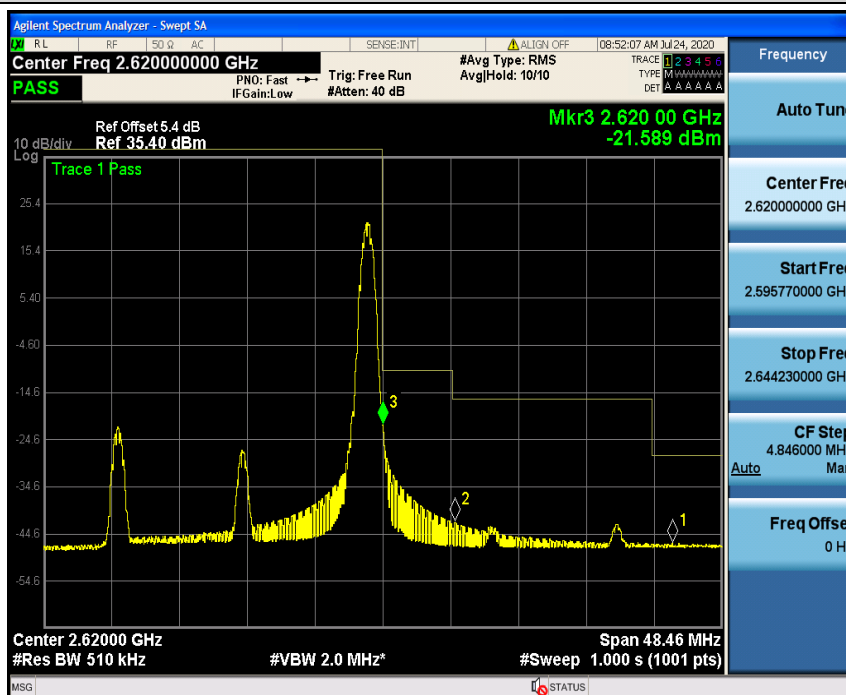




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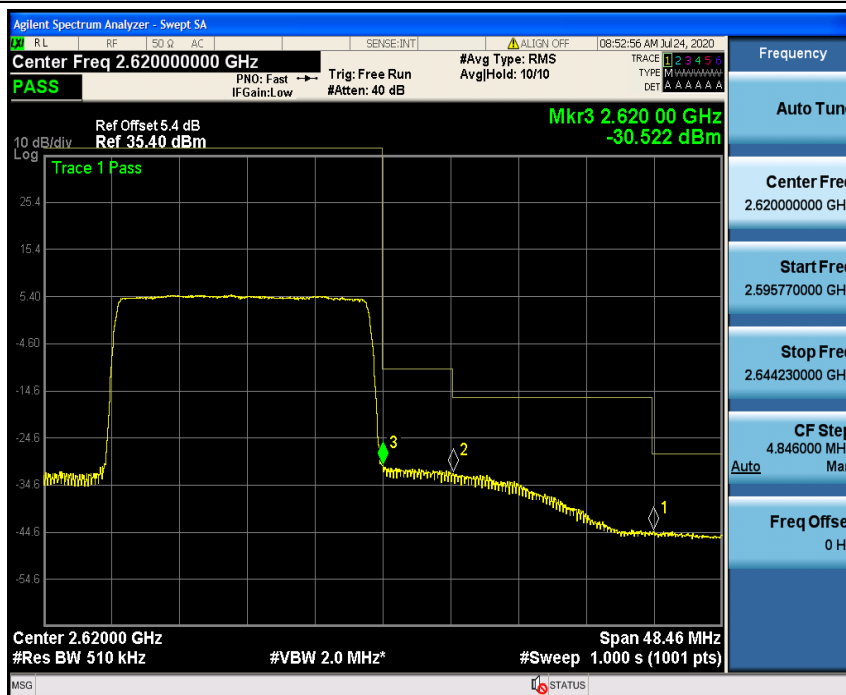


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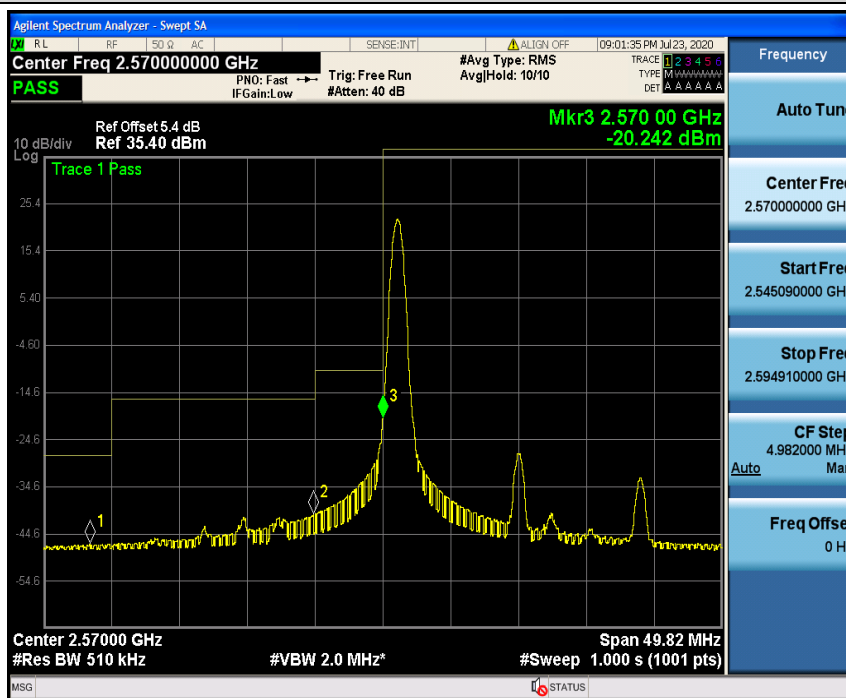




Band38-20MHz-64QAM-38150-100RB#0



Band38-20MHz-16QAM-37850-1RB#0



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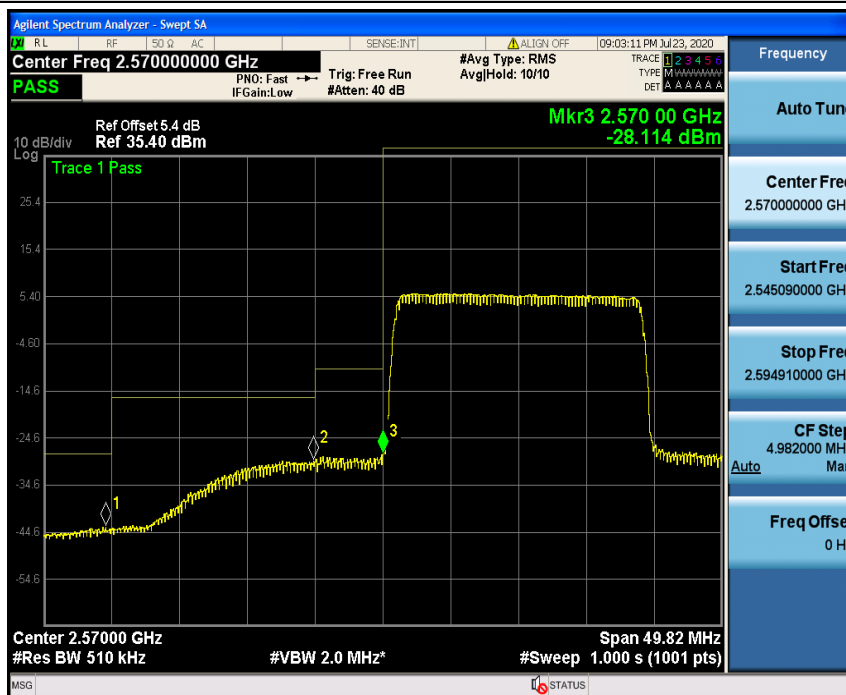
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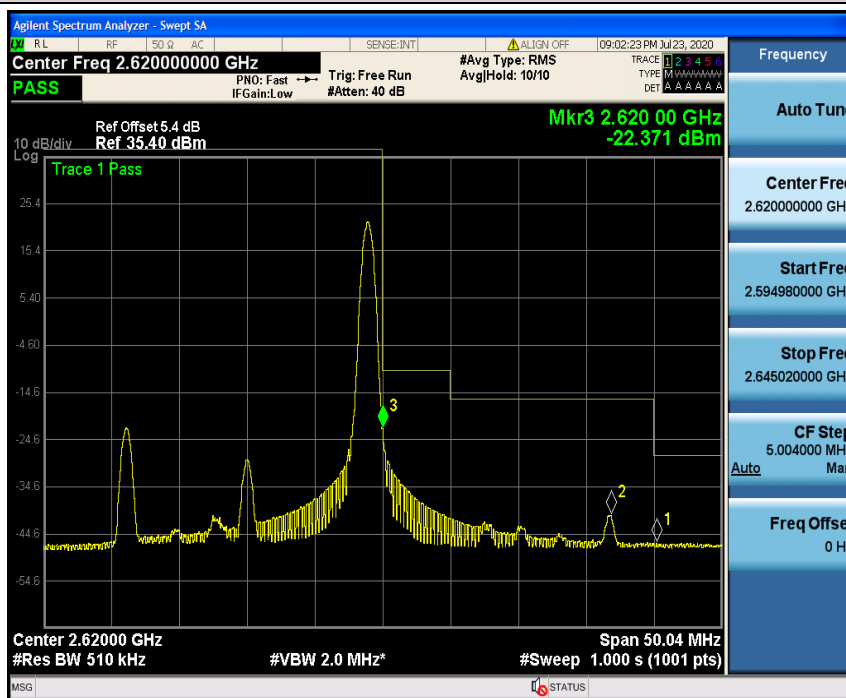
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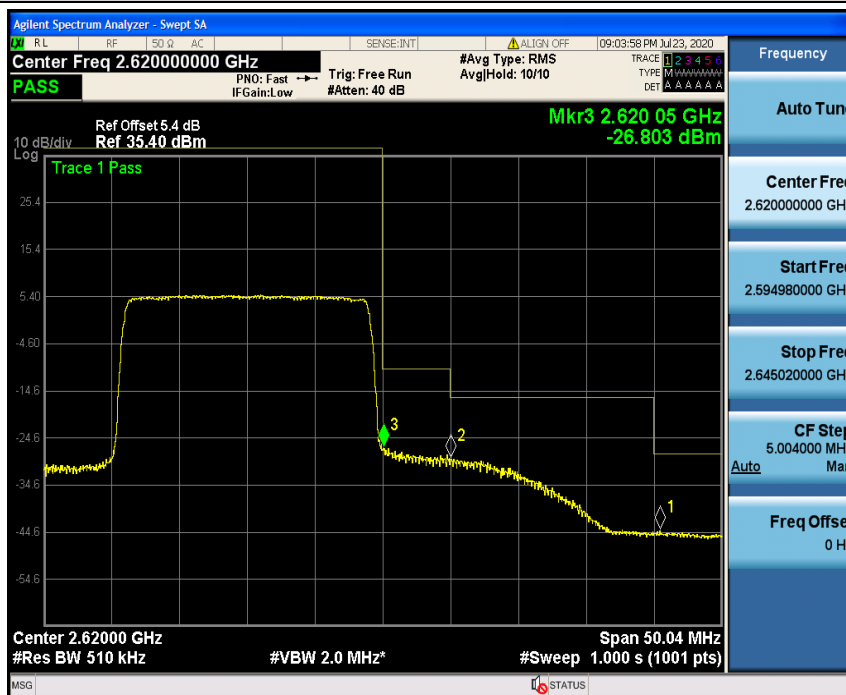


Band38-20MHz-16QAM-38150-1RB#99





Band38-20MHz-16QAM-38150-100RB#0



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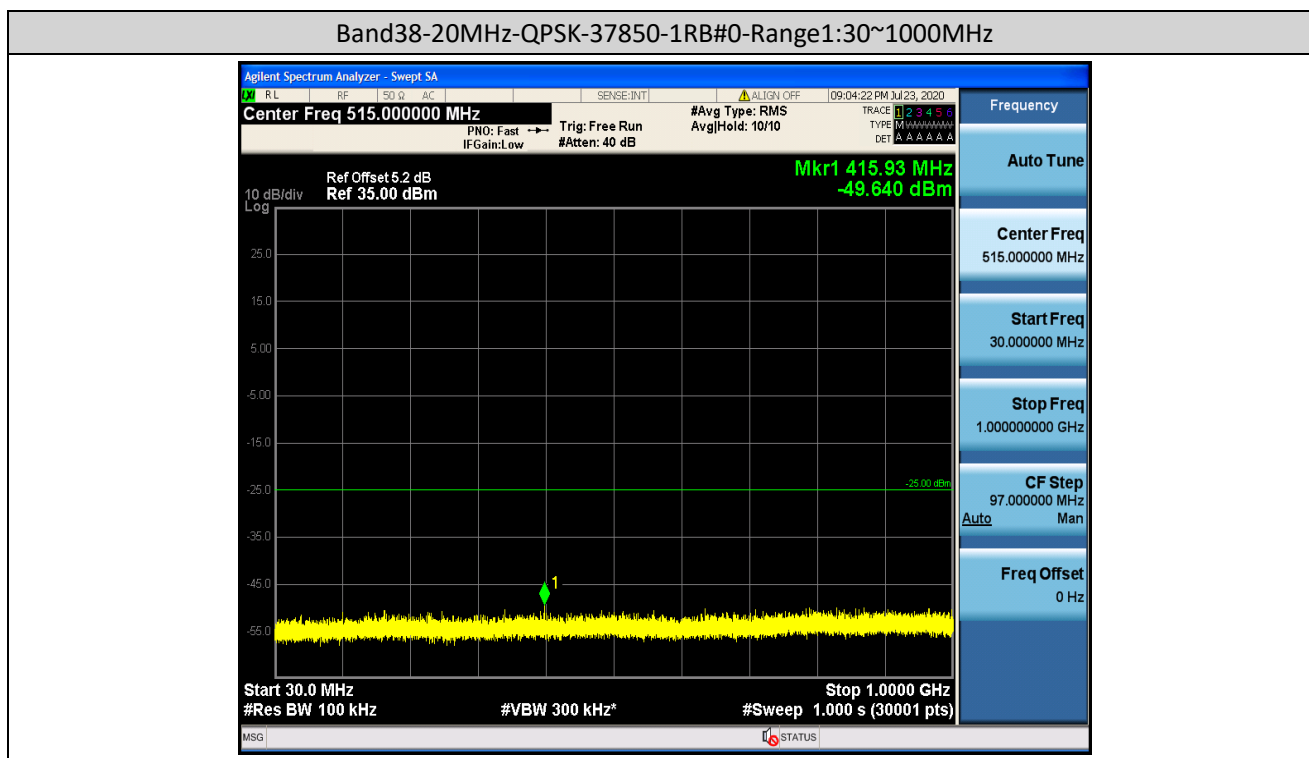


6. Spurious Emission at Antenna Terminal

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of $< RBW/2$ so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = $k * (\text{Span} / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.

6.1. Test Plots



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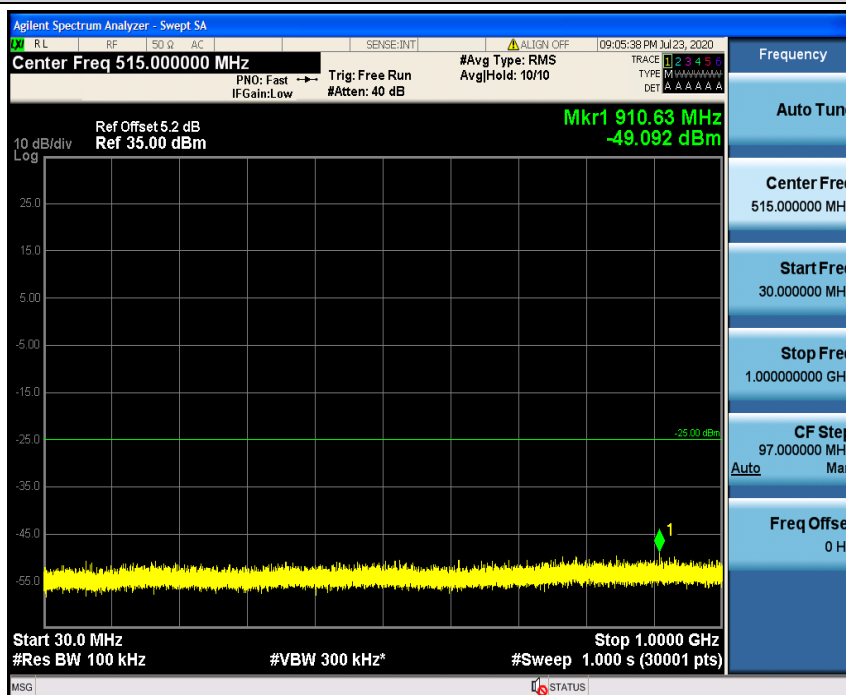
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Band38-20MHz-QPSK-37850-1RB#0-Range2:1000~30000MHz



Band38-20MHz-QPSK-38000-1RB#0-Range1:30~1000MHz

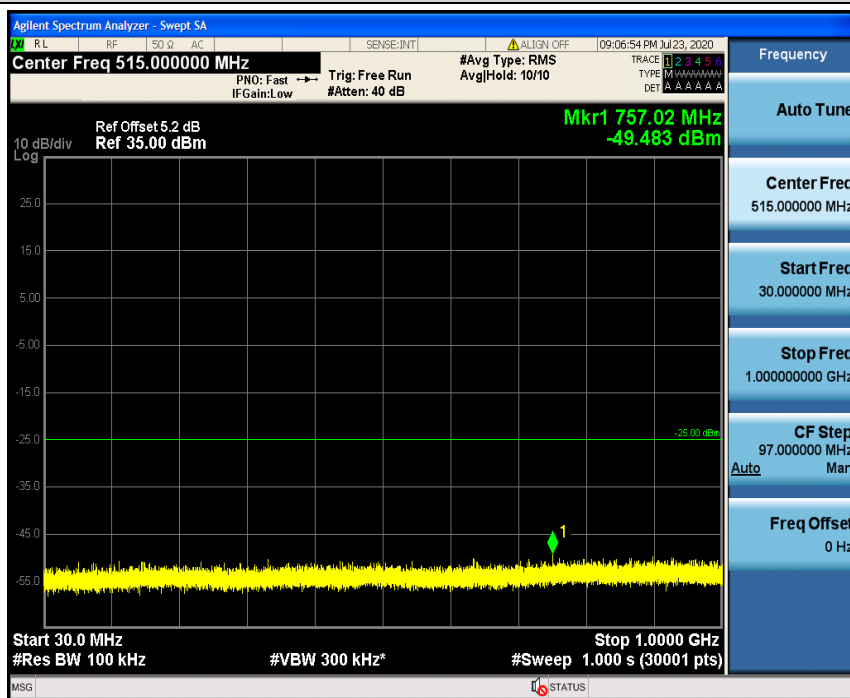




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Band38-20MHz-QPSK-38150-1RB#0-Range1:30~1000MHz

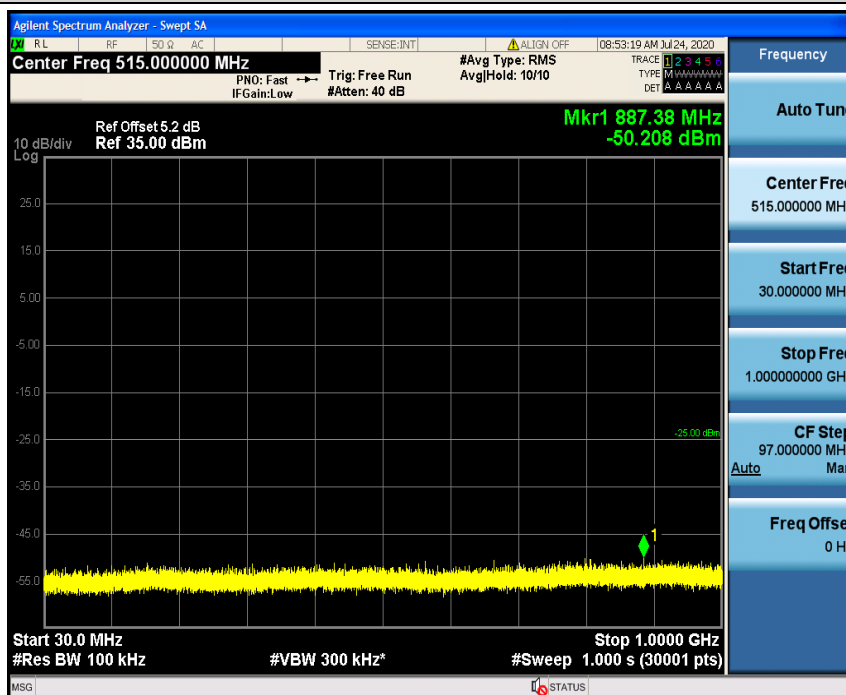




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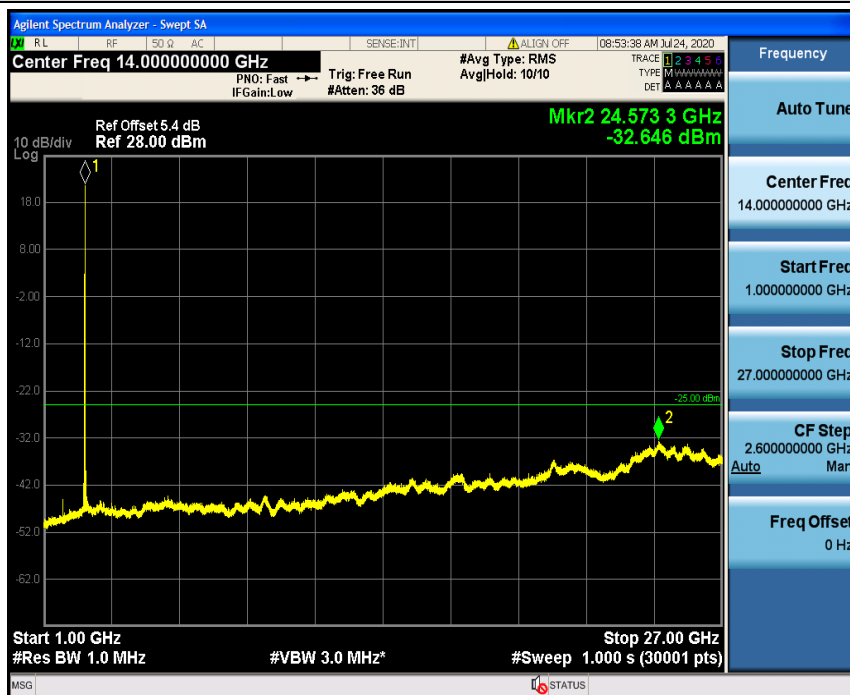


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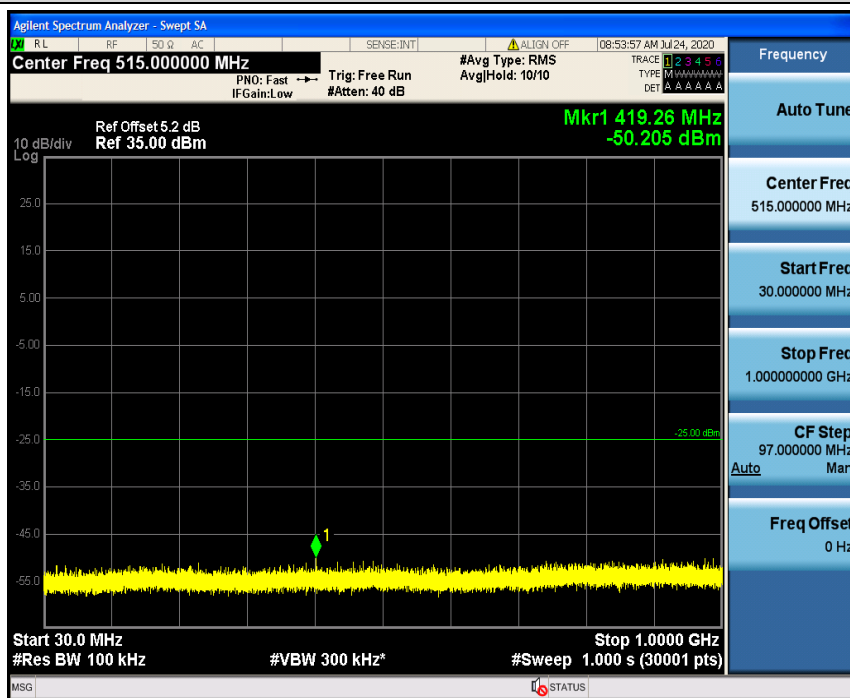




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Band38-20MHz-64QAM-38000-1RB#0-Range1:30~1000MHz

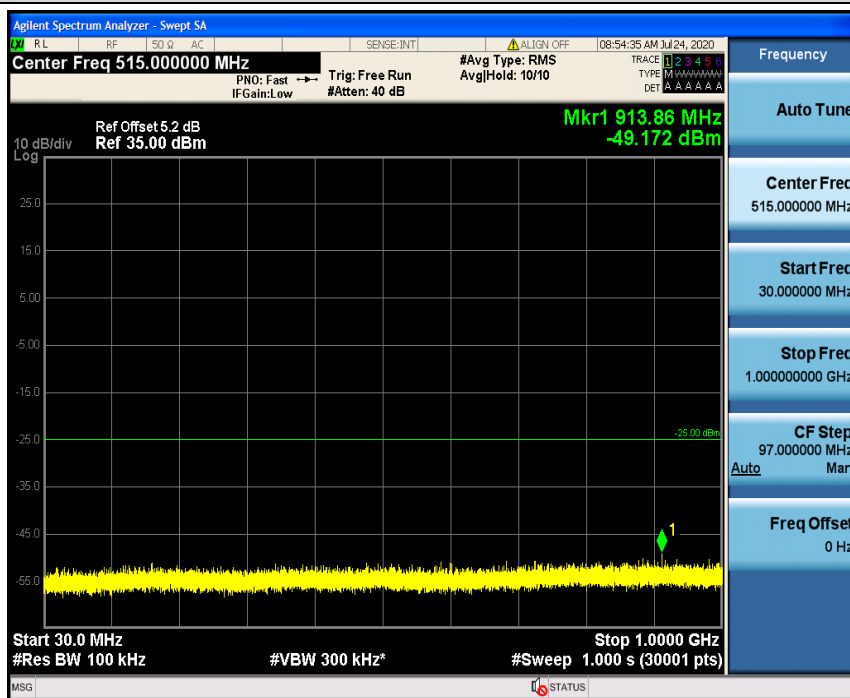




Band38-20MHz-64QAM-38000-1RB#0-Range2:1000~30000MHz



Band38-20MHz-64QAM-38150-1RB#0-Range1:30~1000MHz

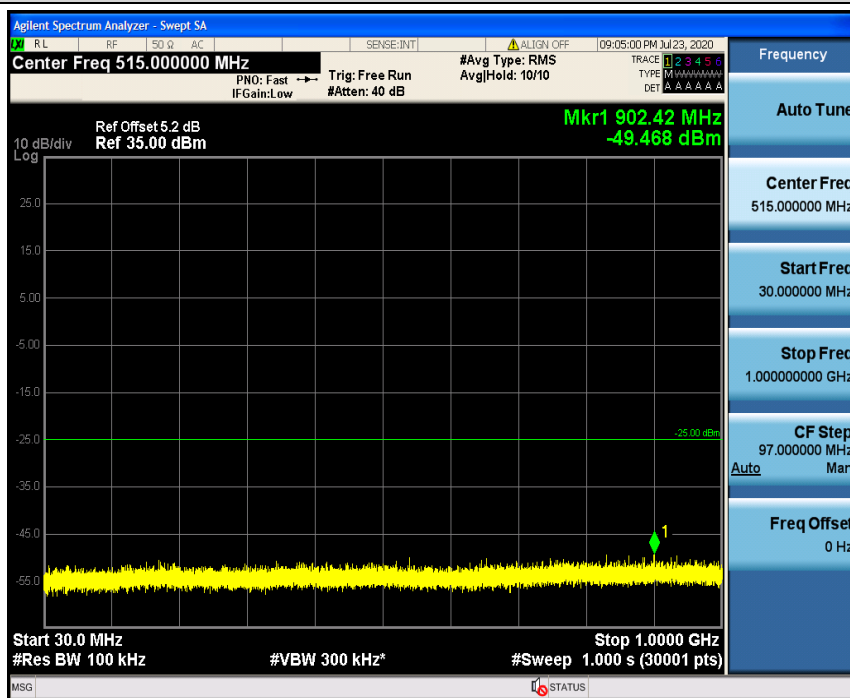




Band38-20MHz-64QAM-38150-1RB#0-Range2:1000~30000MHz



Band38-20MHz-16QAM-37850-1RB#0-Range1:30~1000MHz

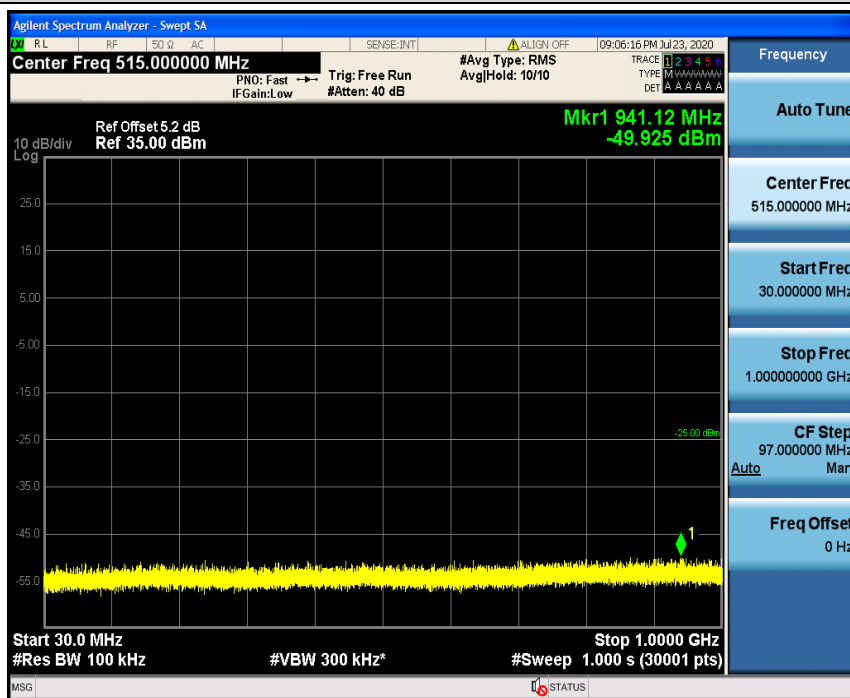




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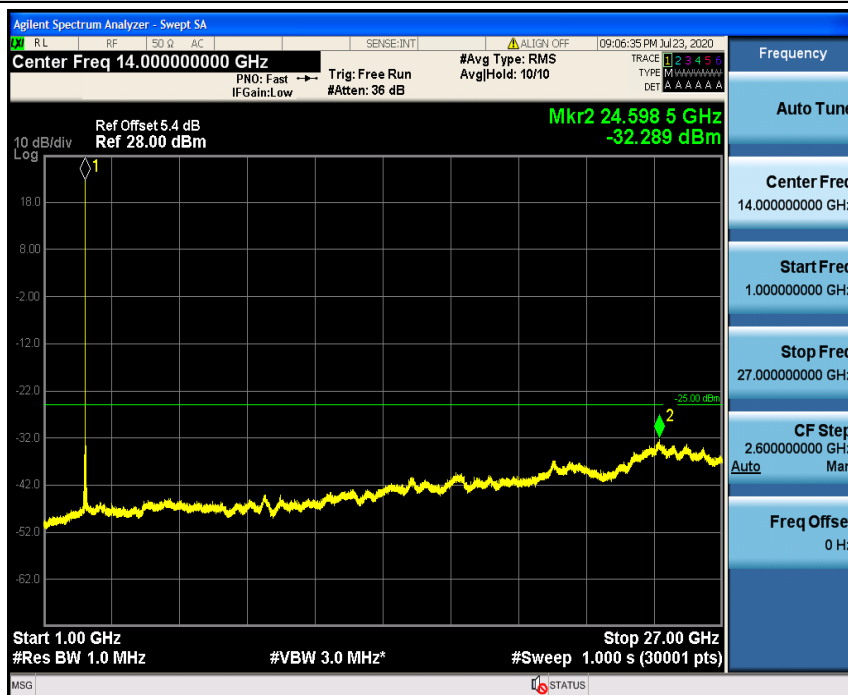


Band38-20MHz-16QAM-38000-1RB#0-Range1:30~1000MHz

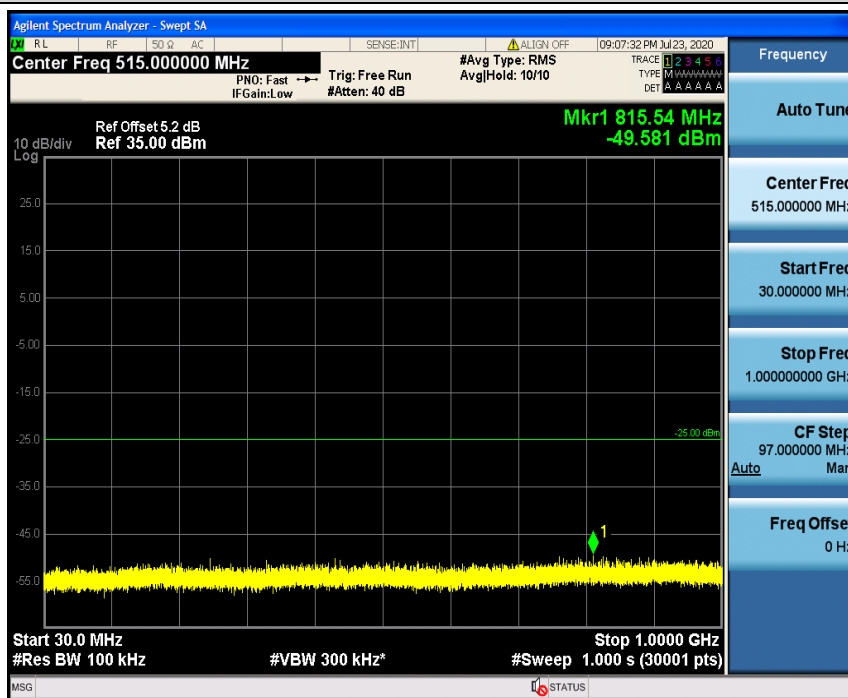




Band38-20MHz-16QAM-38000-1RB#0-Range2:1000~30000MHz



Band38-20MHz-16QAM-38150-1RB#0-Range1:30~1000MHz





Band38-20MHz-16QAM-38150-1RB#0-Range2:1000~30000MHz





7. Field Strength of Spurious Radiation

7.1. Test Mode =LTE/TM1 20MHz

7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.3896	-71.89	-25.00	46.89	Vertical
109.0590	-65.03	-25.00	40.03	Vertical
339.3485	-68.46	-25.00	43.46	Vertical
5142.0714	-58.79	-25.00	33.79	Vertical
7713.1571	-54.25	-25.00	29.25	Vertical
17997.4999	-39.86	-25.00	14.86	Vertical
45.4723	-64.60	-25.00	39.60	Horizontal
228.1809	-68.47	-25.00	43.47	Horizontal
586.2258	-63.83	-25.00	38.83	Horizontal
3627.0209	-61.28	-25.00	36.28	Horizontal
8022.6674	-56.09	-25.00	31.09	Horizontal
16388.4463	-42.50	-25.00	17.50	Horizontal

7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
51.1471	-71.91	-25.00	46.91	Vertical
110.9505	-64.73	-25.00	39.73	Vertical
322.6151	-68.18	-25.00	43.18	Vertical
5117.0706	-61.40	-25.00	36.40	Vertical
7758.1586	-52.75	-25.00	27.75	Vertical
17998.5000	-39.97	-25.00	14.97	Vertical
41.6891	-63.20	-25.00	38.20	Horizontal
243.8472	-68.04	-25.00	43.04	Horizontal
517.4494	-64.83	-25.00	39.83	Horizontal
3572.0191	-61.03	-25.00	36.03	Horizontal
8002.1667	-56.00	-25.00	31.00	Horizontal
16404.4468	-43.20	-25.00	18.20	Horizontal



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7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Polarization
49.7405	-72.22	-25.00	47.22	Vertical
108.9619	-64.40	-25.00	39.40	Vertical
327.0774	-68.74	-25.00	43.74	Vertical
5202.0734	-61.60	-25.00	36.60	Vertical
7803.6601	-52.61	-25.00	27.61	Vertical
17999.5000	-39.82	-25.00	14.82	Vertical
43.0472	-63.19	-25.00	38.19	Horizontal
237.2024	-68.00	-25.00	43.00	Horizontal
594.0832	-63.87	-25.00	38.87	Horizontal
5141.0714	-61.44	-25.00	36.44	Horizontal
7452.6484	-56.22	-25.00	31.22	Horizontal
16392.9464	-43.36	-25.00	18.36	Horizontal

Remark:

- 1 According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.
- 2 The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data displayed in this report.
- 3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.





8. Frequency Stability

8.1. Frequency Vs Voltage

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	VL	NT	-5.90	-0.002287	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VN	NT	-7.60	-0.002946	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	VH	NT	-8.50	-0.003295	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VL	NT	-7.50	-0.002890	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VN	NT	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	VH	NT	-10.10	-0.003892	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VL	NT	-8.90	-0.003410	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VN	NT	-8.90	-0.003410	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	VH	NT	-4.30	-0.001648	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VL	NT	-5.00	-0.001938	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VN	NT	-4.90	-0.001899	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	VH	NT	-9.20	-0.003566	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VL	NT	-9.90	-0.003815	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VN	NT	-10.00	-0.003854	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	VH	NT	-8.30	-0.003198	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VL	NT	-9.30	-0.003563	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VN	NT	-6.70	-0.002567	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	VH	NT	-10.50	-0.004023	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VL	NT	-7.50	-0.002907	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VN	NT	-4.20	-0.001628	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	VH	NT	-7.10	-0.002752	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VL	NT	-7.40	-0.002852	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VN	NT	-7.10	-0.002736	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	VH	NT	-8.20	-0.003160	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VL	NT	-7.60	-0.002912	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VN	NT	-7.40	-0.002835	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	VH	NT	-8.10	-0.003103	±2.5	PASS





8.2. Frequency Vs Temperature

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
Band38	20MHz	QPSK	37850	100RB#0	NV	-30	-7.70	-0.002984	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-20	-8.20	-0.003178	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	-10	-8.90	-0.003450	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	0	-8.00	-0.003101	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	10	-5.60	-0.002171	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	20	-7.30	-0.002829	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	30	-10.80	-0.004186	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	40	-7.70	-0.002984	±2.5	PASS
Band38	20MHz	QPSK	37850	100RB#0	NV	50	-6.00	-0.002326	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-30	-7.70	-0.002967	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-20	-7.20	-0.002775	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	-10	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	0	-6.60	-0.002543	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	10	-4.60	-0.001773	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	20	-9.40	-0.003622	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	30	-3.10	-0.001195	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	40	-7.30	-0.002813	±2.5	PASS
Band38	20MHz	QPSK	38000	100RB#0	NV	50	-7.50	-0.002890	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-30	-6.40	-0.002452	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-20	-9.60	-0.003678	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	-10	-8.40	-0.003218	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	0	-3.50	-0.001341	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	10	-6.40	-0.002452	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	20	-8.30	-0.003180	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	30	-8.10	-0.003103	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	40	-7.20	-0.002759	±2.5	PASS
Band38	20MHz	QPSK	38150	100RB#0	NV	50	-7.30	-0.002797	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-30	-9.40	-0.003643	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-20	-11.20	-0.004341	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	-10	-10.30	-0.003992	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	0	-9.50	-0.003682	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	10	-8.20	-0.003178	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	20	-7.90	-0.003062	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	30	-4.70	-0.001822	±2.5	PASS



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Band38	20MHz	64QAM	37850	100RB#0	NV	40	-8.30	-0.003217	±2.5	PASS
Band38	20MHz	64QAM	37850	100RB#0	NV	50	-9.90	-0.003837	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-30	-7.20	-0.002775	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-20	-9.70	-0.003738	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	-10	-8.60	-0.003314	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	0	-10.80	-0.004162	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	10	-8.70	-0.003353	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	20	-10.40	-0.004008	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	30	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	40	-7.00	-0.002697	±2.5	PASS
Band38	20MHz	64QAM	38000	100RB#0	NV	50	-7.70	-0.002967	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-30	-5.50	-0.002107	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-20	-5.40	-0.002069	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	-10	-7.70	-0.002950	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	0	-8.80	-0.003372	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	10	-6.50	-0.002490	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	20	-7.40	-0.002835	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	30	-7.80	-0.002989	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	40	-6.10	-0.002337	±2.5	PASS
Band38	20MHz	64QAM	38150	100RB#0	NV	50	-9.20	-0.003525	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-30	-9.90	-0.003837	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-20	-6.80	-0.002636	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	-10	-8.50	-0.003295	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	0	-6.30	-0.002442	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	10	-5.80	-0.002248	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	20	-4.20	-0.001628	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	30	-7.80	-0.003023	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	40	-8.90	-0.003450	±2.5	PASS
Band38	20MHz	16QAM	37850	100RB#0	NV	50	-7.80	-0.003023	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-30	-5.10	-0.001965	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-20	-6.40	-0.002466	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	-10	-8.90	-0.003430	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	0	-6.80	-0.002620	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	10	-8.40	-0.003237	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	20	-9.60	-0.003699	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	30	-6.70	-0.002582	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	40	-8.70	-0.003353	±2.5	PASS
Band38	20MHz	16QAM	38000	100RB#0	NV	50	-4.80	-0.001850	±2.5	PASS



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Band38	20MHz	16QAM	38150	100RB#0	NV	-30	-6.40	-0.002452	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-20	-6.90	-0.002644	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	-10	-6.90	-0.002644	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	0	-5.30	-0.002031	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	10	-2.90	-0.001111	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	20	-5.30	-0.002031	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	30	-10.20	-0.003908	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	40	-8.00	-0.003065	±2.5	PASS
Band38	20MHz	16QAM	38150	100RB#0	NV	50	-7.30	-0.002797	±2.5	PASS



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