

# Appendix B

## E-UTRA Band 17

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# 1 Effective (Isotropic) Radiated Power

## 1.1. Test Result for Ant0

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.53	15.78	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#13	23.60	15.85	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.56	15.81	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.59	14.84	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.66	14.91	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.64	14.89	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.69	14.94	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.48	15.73	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#13	23.62	15.87	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.57	15.82	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.67	14.92	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.69	14.94	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.69	14.94	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.73	14.98	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.48	15.73	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#13	23.64	15.89	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.61	15.86	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.64	14.89	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.68	14.93	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.74	14.99	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.66	14.91	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.69	13.94	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#13	21.87	14.12	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.66	13.91	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.75	13.00	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.71	12.96	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.74	12.99	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.65	12.90	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.95	14.20	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#13	21.97	14.22	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	22.07	14.32	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.78	13.03	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.80	13.05	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.80	13.05	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.75	13.00	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.86	14.11	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#13	21.90	14.15	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	22.08	14.33	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.59	12.84	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.69	12.94	34.77	PASS

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Band17	5MHz	64QAM	23825	12RB#13	20.75	13.00	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.68	12.93	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.68	14.93	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#13	22.83	15.08	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.66	14.91	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.69	13.94	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.65	13.90	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.70	13.95	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.68	13.93	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.95	15.20	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#13	22.91	15.16	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.12	15.37	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.75	14.00	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.74	13.99	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.75	14.00	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.77	14.02	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.90	15.15	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#13	22.84	15.09	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.12	15.37	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.62	13.87	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.65	13.90	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.77	14.02	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.68	13.93	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.62	15.87	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.66	15.91	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.67	15.92	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.66	14.91	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.67	14.92	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.70	14.95	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.75	15.00	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.47	15.72	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.67	15.92	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.68	15.93	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.70	14.95	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.66	14.91	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.75	15.00	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.74	14.99	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.67	15.92	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.66	15.91	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.60	15.85	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.66	14.91	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.73	14.98	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.75	15.00	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.68	14.93	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	22.04	14.29	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	22.07	14.32	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.85	14.10	34.77	PASS

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Band17	10MHz	64QAM	23780	25RB#0	20.58	12.83	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.74	12.99	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.80	13.05	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.58	12.83	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.79	14.04	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.22	14.47	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.66	13.91	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.74	12.99	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.76	13.01	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.71	12.96	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.76	13.01	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.58	13.83	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.14	14.39	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	22.05	14.30	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.61	12.86	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.73	12.98	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.71	12.96	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.70	12.95	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.39	15.64	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.04	15.29	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.83	15.08	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.61	13.86	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.72	13.97	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.76	14.01	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.61	13.86	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.78	15.03	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.16	15.41	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.65	14.90	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.68	13.93	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.78	14.03	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.74	13.99	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.73	13.98	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.54	14.79	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.11	15.36	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	23.03	15.28	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.56	13.81	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.70	13.95	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.71	13.96	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.68	13.93	34.77	PASS

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## 1.2. Test Result for Ant1

Band	Bandwidth	Modulation	Channel	RB Configuration	Conducted Power(dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.81	19.26	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#13	23.90	19.35	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.91	19.36	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.92	18.37	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.97	18.42	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.91	18.36	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	23.01	18.46	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.76	19.21	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#13	23.94	19.39	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.94	19.39	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.97	18.42	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.85	18.30	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.98	18.43	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.97	18.42	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.92	19.37	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#13	23.88	19.33	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.83	19.28	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.96	18.41	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	23.02	18.47	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.99	18.44	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.97	18.42	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.68	17.13	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#13	21.66	17.11	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.77	17.22	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.79	16.24	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.76	16.21	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.76	16.21	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.83	16.28	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.72	17.17	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#13	21.71	17.16	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.79	17.24	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.90	16.35	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.82	16.27	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.90	16.35	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.83	16.28	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.83	17.28	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#13	21.64	17.09	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.60	17.05	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.89	16.34	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.92	16.37	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.77	16.22	34.77	PASS

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Band17	5MHz	64QAM	23825	25RB#0	20.84	16.29	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	23.07	18.52	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#13	23.04	18.49	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	23.38	18.83	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	22.00	17.45	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.89	17.34	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.95	17.40	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.95	17.40	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	23.25	18.70	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#13	23.08	18.53	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	23.01	18.46	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.98	17.43	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	22.03	17.48	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.93	17.38	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	22.04	17.49	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	23.37	18.82	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#13	23.08	18.53	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	23.79	19.24	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.93	17.38	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	22.03	17.48	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	22.02	17.47	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.95	17.40	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.92	19.37	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.88	19.33	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.96	19.41	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.88	18.33	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.92	18.37	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	23.03	18.48	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.93	18.38	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.82	19.27	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.75	19.20	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.95	19.40	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.92	18.37	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	23.02	18.47	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.97	18.42	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	23.18	18.63	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.76	19.21	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.79	19.24	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.84	19.29	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.95	18.40	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.84	18.29	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	23.00	18.45	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.97	18.42	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.97	17.42	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	22.20	17.65	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.92	17.37	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.98	16.43	34.77	PASS

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Band17	10MHz	64QAM	23780	25RB#12	21.06	16.51	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	21.11	16.56	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.89	16.34	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	22.31	17.76	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	22.26	17.71	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	22.16	17.61	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.94	16.39	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	21.16	16.61	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	21.05	16.50	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.92	16.37	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	22.18	17.63	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	22.32	17.77	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.91	17.36	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	21.01	16.46	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	21.07	16.52	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	21.04	16.49	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.89	16.34	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	23.07	18.52	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	23.27	18.72	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	23.32	18.77	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.95	17.40	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	22.11	17.56	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	22.03	17.48	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.91	17.36	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	23.09	18.54	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	23.53	18.98	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	23.37	18.82	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	22.05	17.50	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.94	17.39	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	22.04	17.49	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.96	17.41	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	23.30	18.75	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	23.48	18.93	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.82	18.27	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.92	17.37	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	22.05	17.50	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	22.01	17.46	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.88	17.33	34.77	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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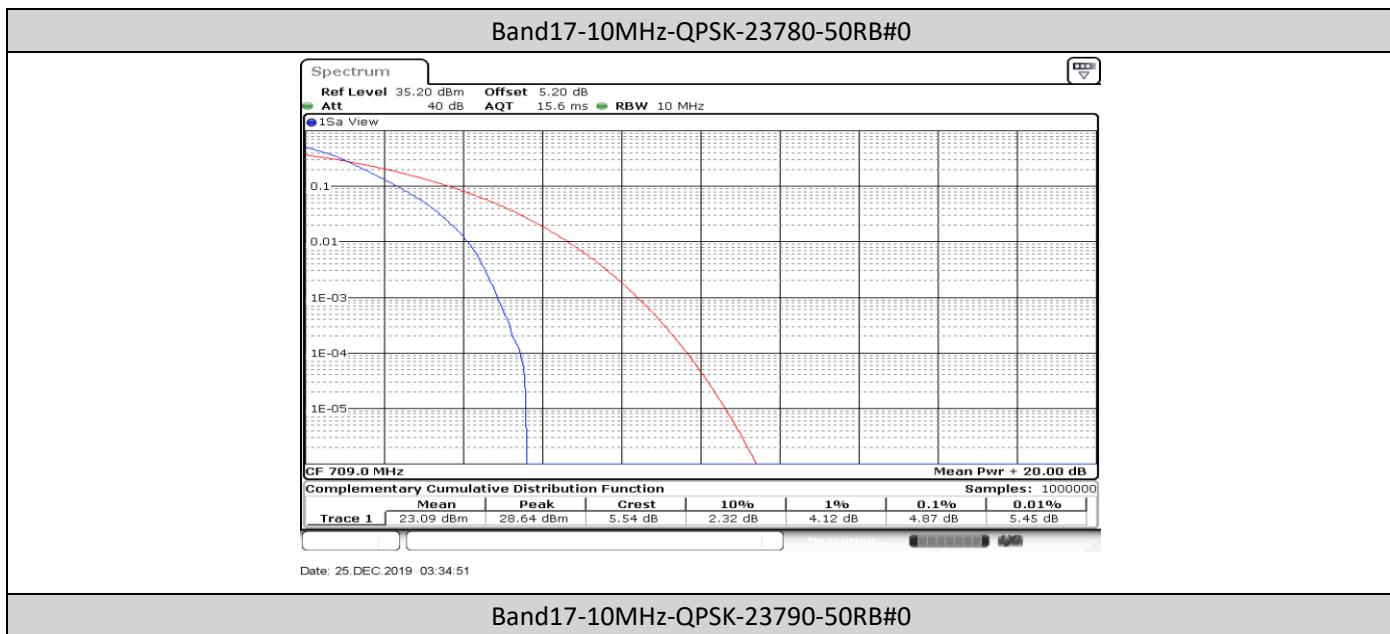
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## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	4.87	13.00	PASS
Band17	10MHz	QPSK	23790	50RB#0	4.78	13.00	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.87	13.00	PASS
Band17	10MHz	64QAM	23780	50RB#0	5.86	13.00	PASS
Band17	10MHz	64QAM	23790	50RB#0	5.48	13.00	PASS
Band17	10MHz	64QAM	23800	50RB#0	5.83	13.00	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.83	13.00	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.48	13.00	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.39	13.00	PASS

### 2.2. Test Plots

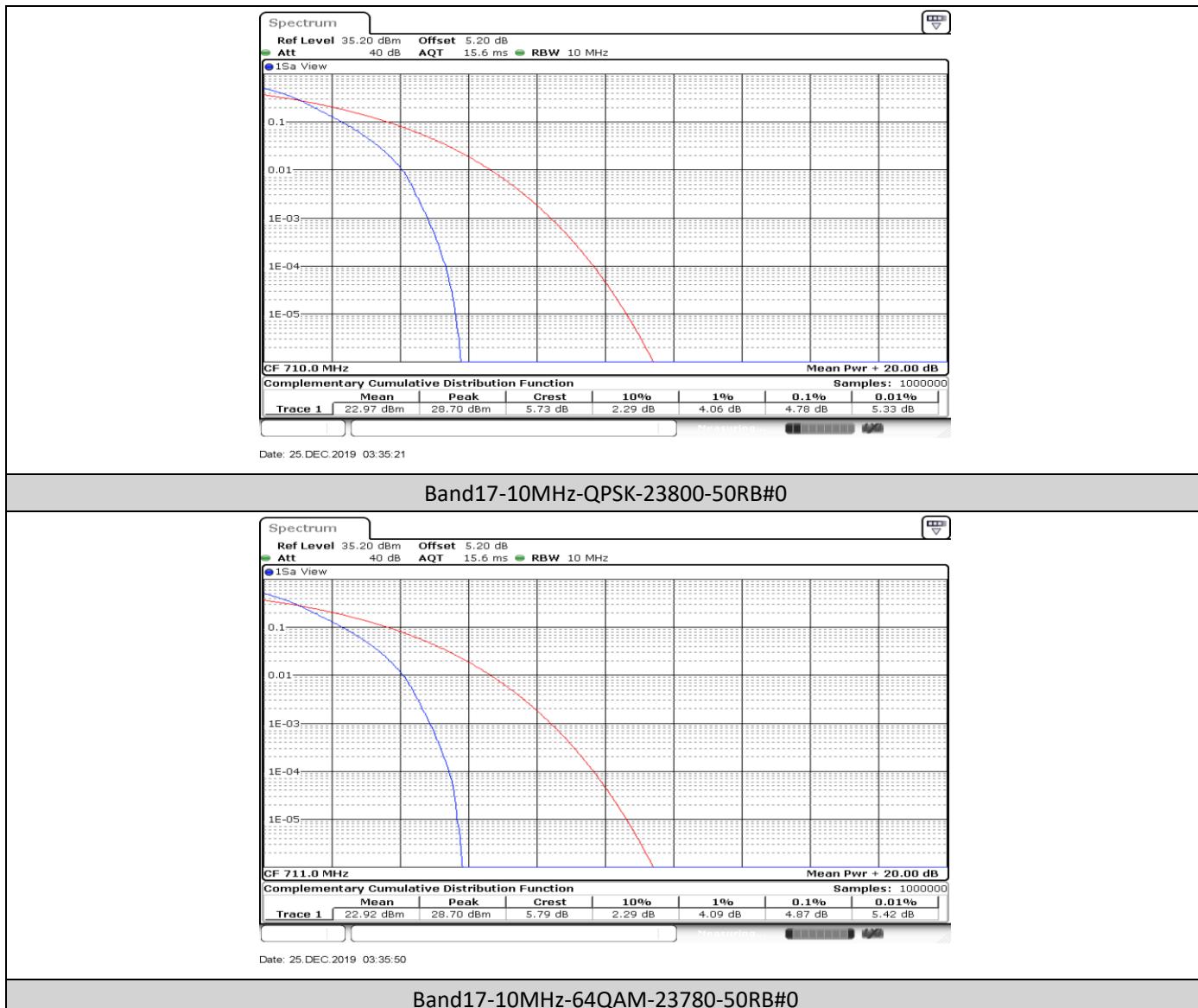


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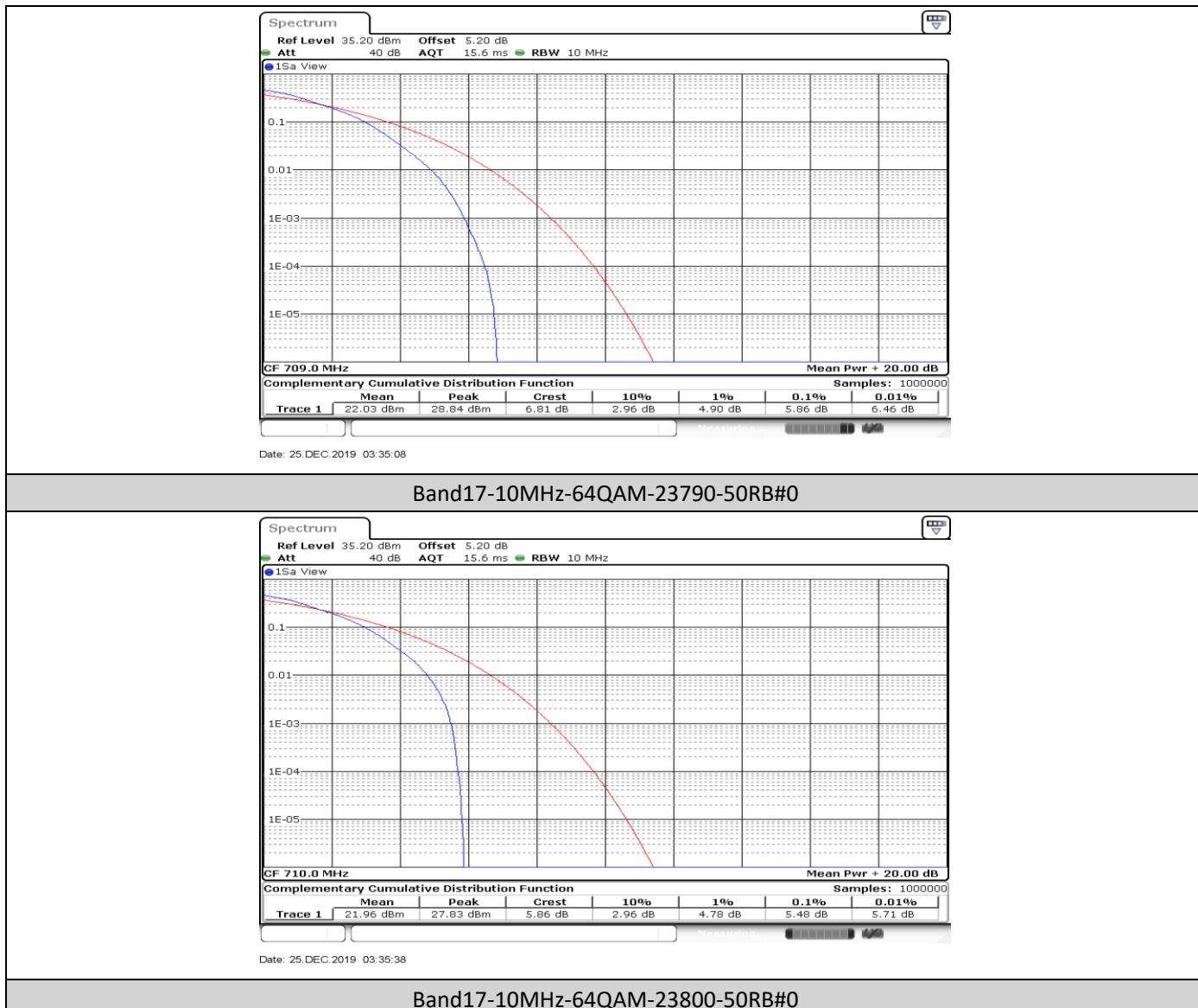


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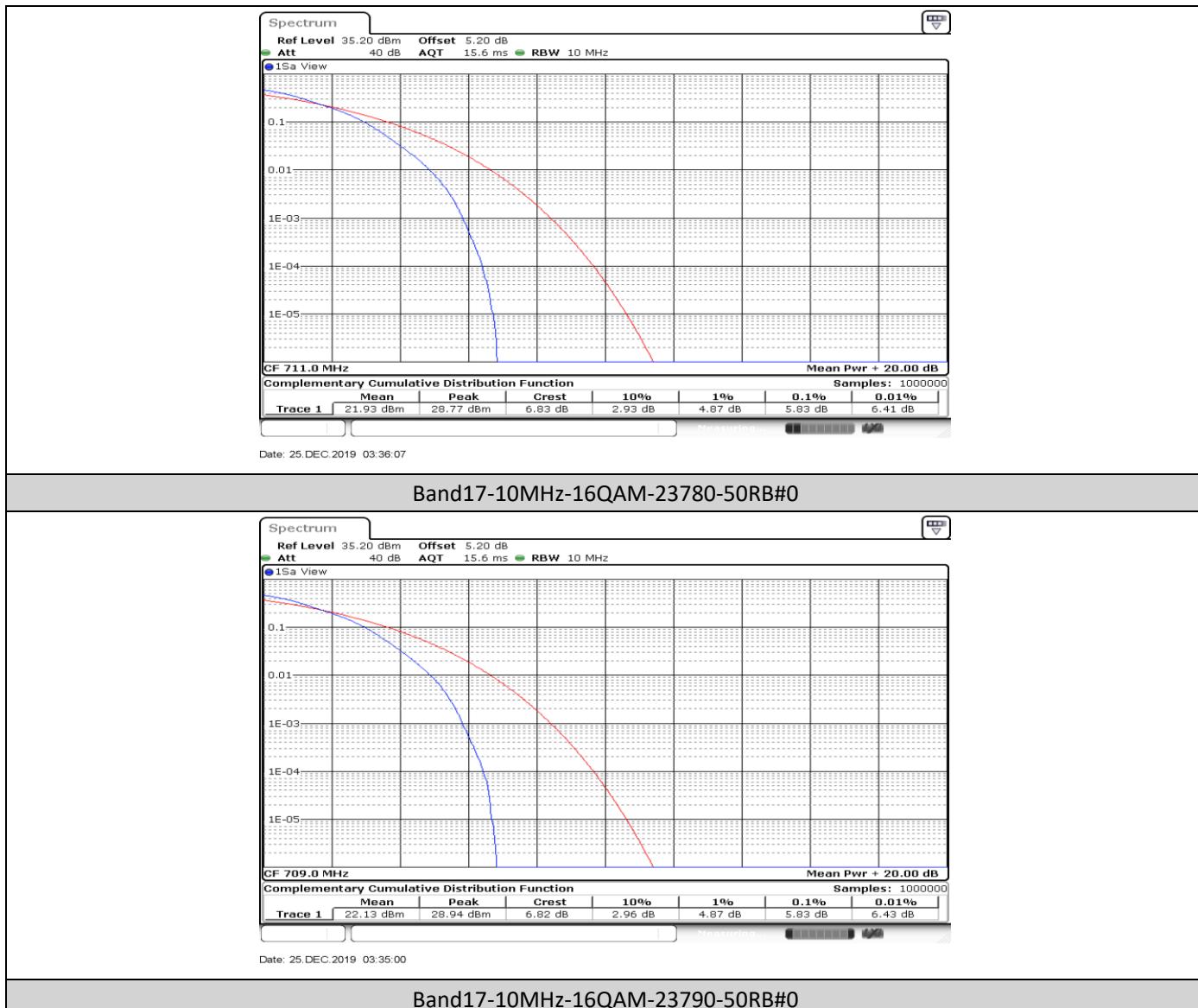


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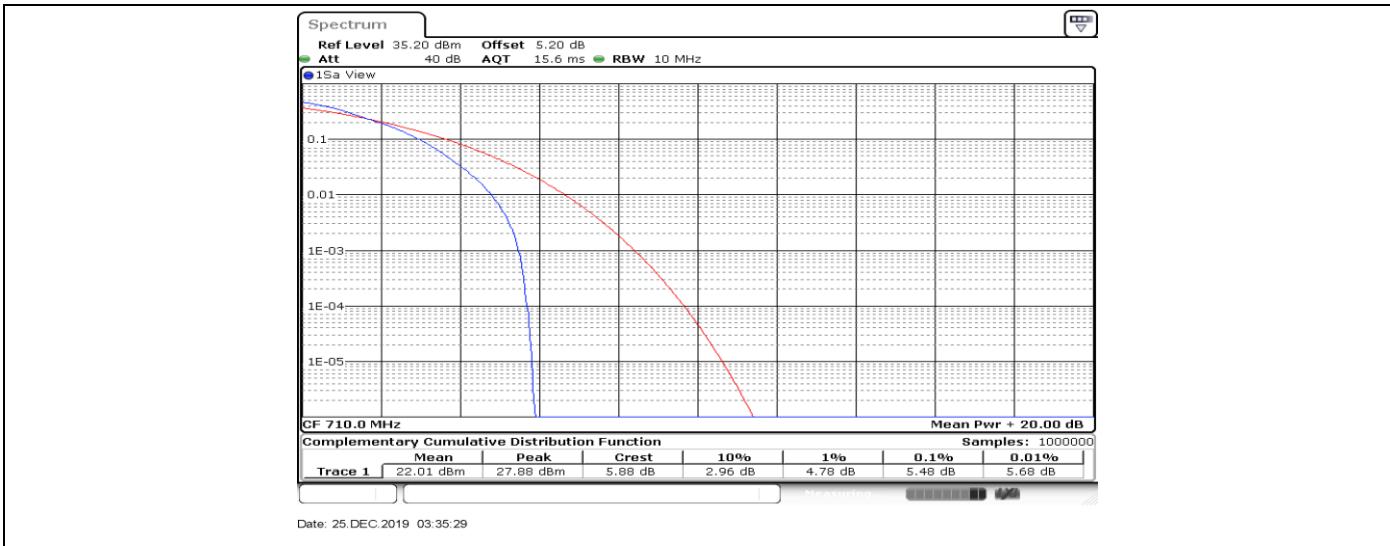


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**Band17-10MHz-16QAM-23800-50RB#0**

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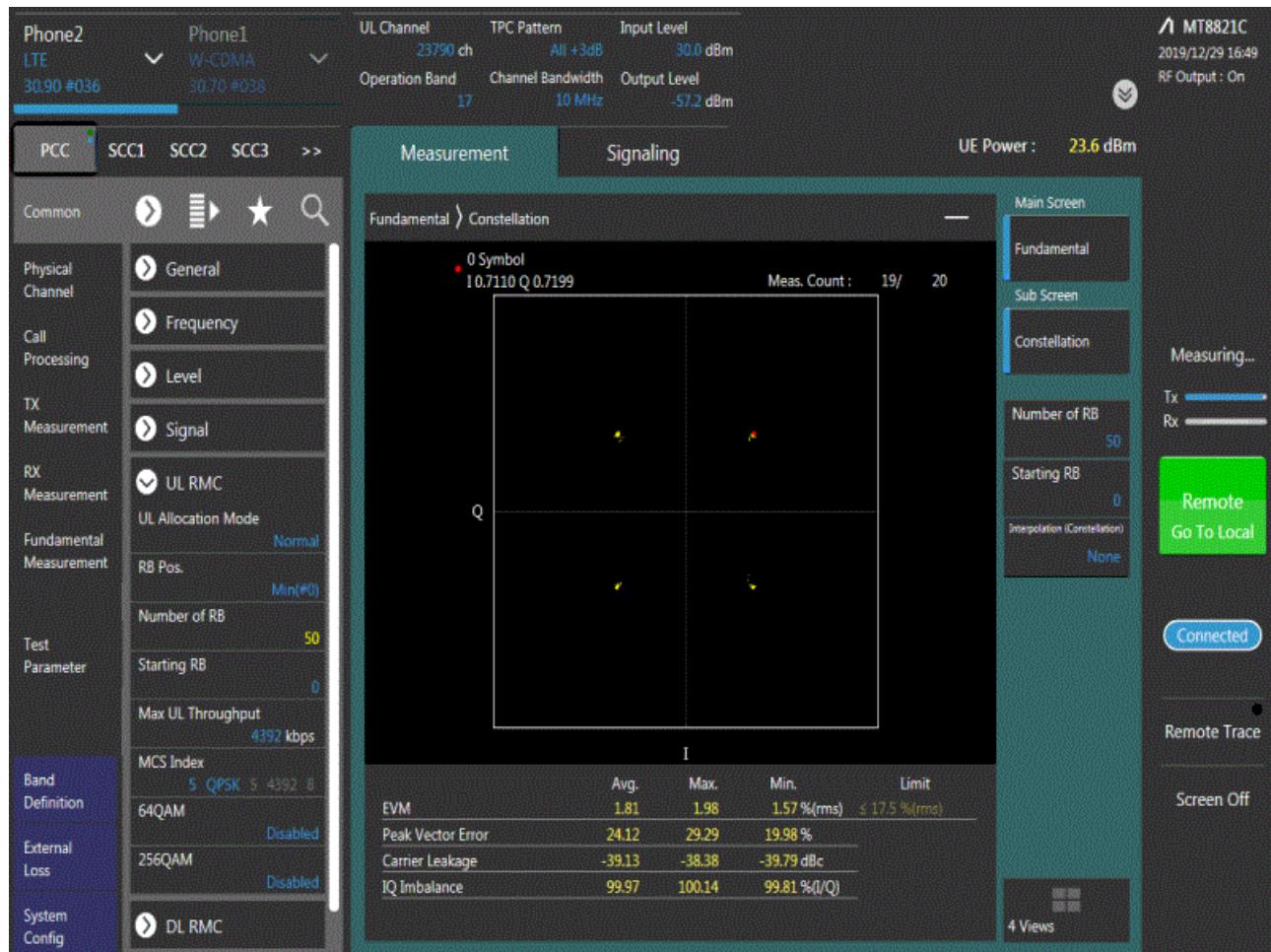


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### 3. Modulation Characteristics

#### 3.1. Test Mode = LTE /TM1 10MHz

##### 3.1.1. Test Channel = MCH



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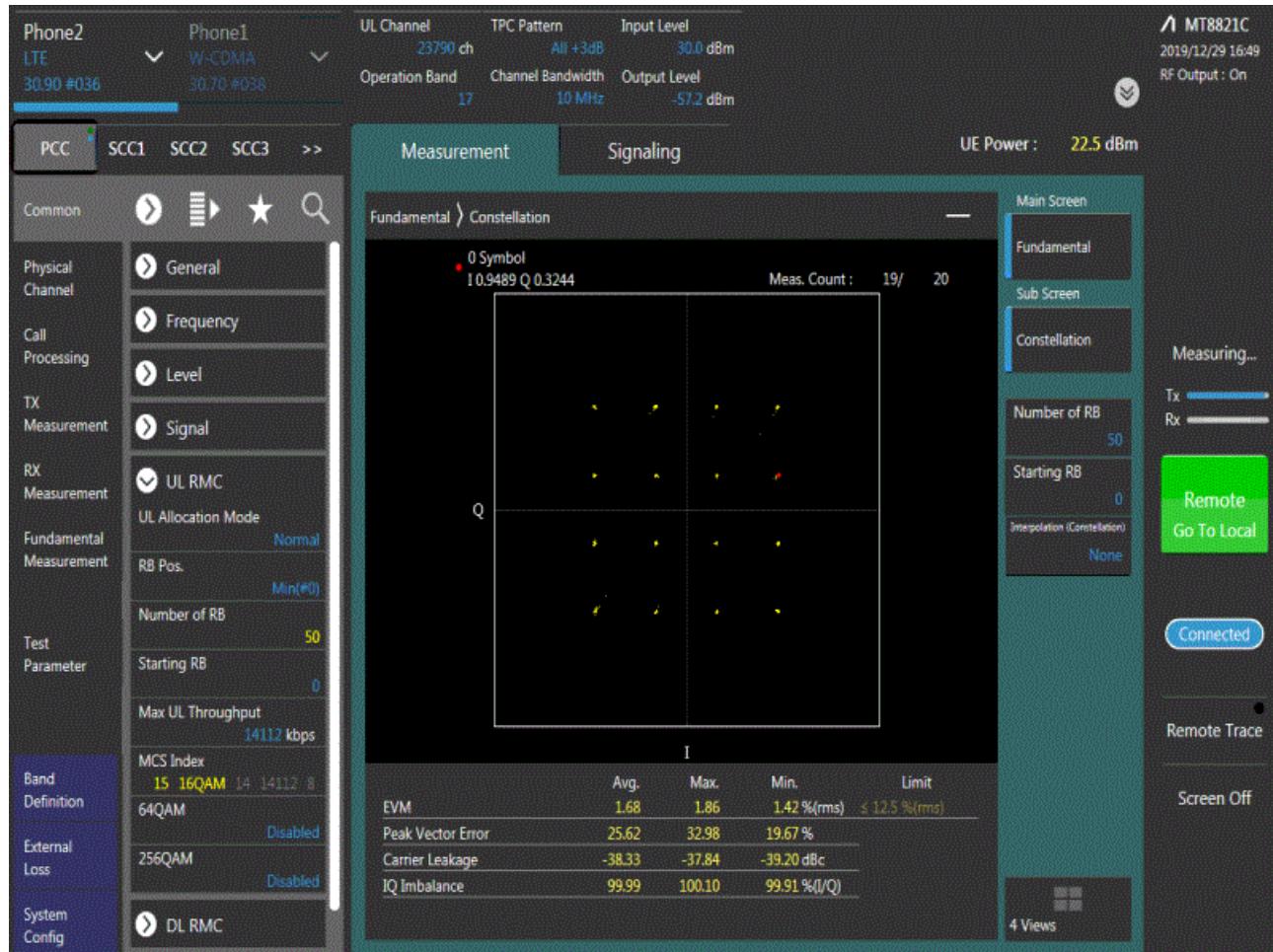


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## 3.2. Test Mode = LTE /TM2 10MHz

### 3.2.1. Test Channel = MCH



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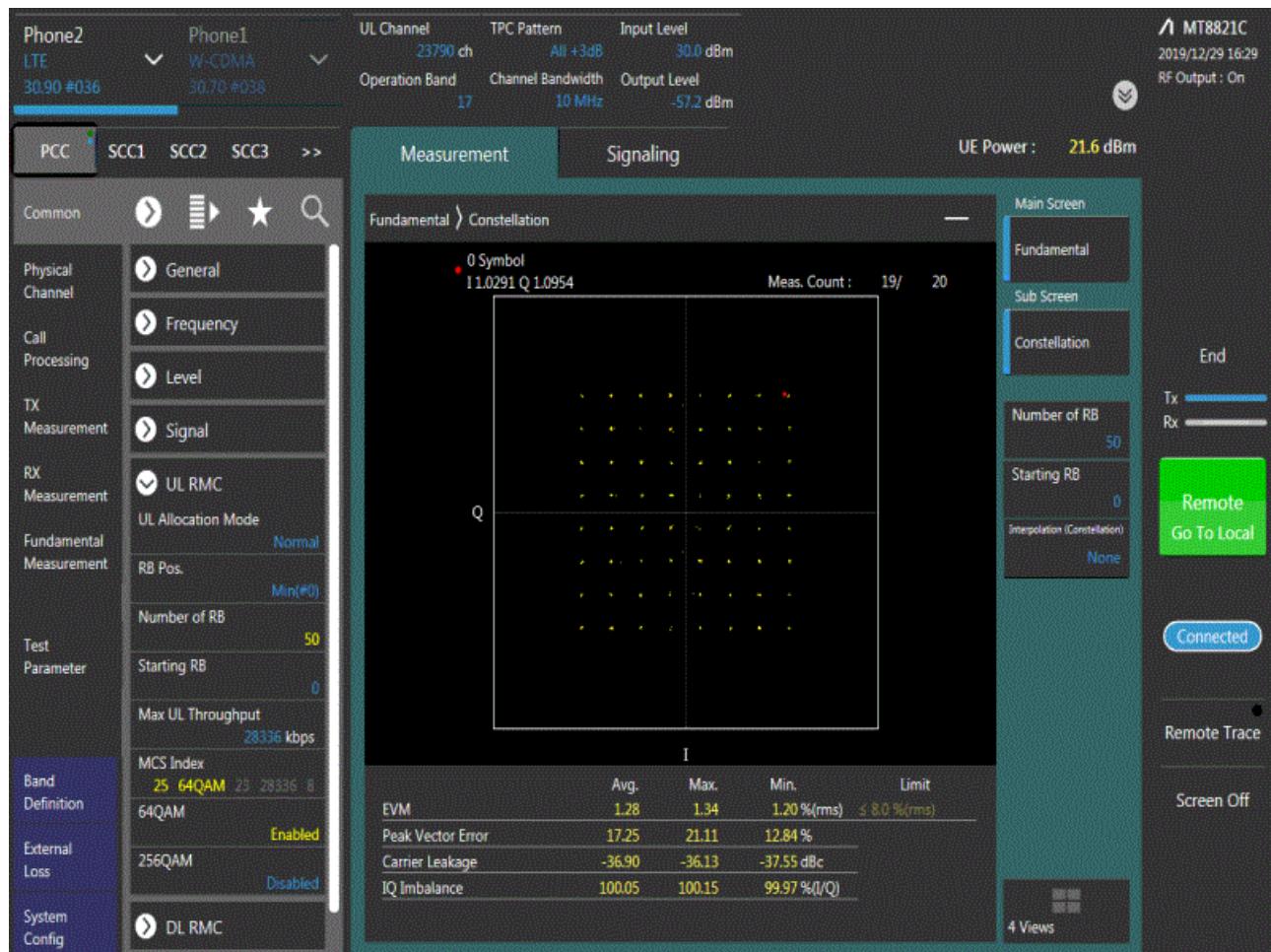


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### 3.3. Test Mode = LTE /TM3 10MHz

#### 3.3.1. Test Channel = MCH



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## 4. 26dB Bandwidth and Occupied Bandwidth

### 4.1. Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band17	5MHz	QPSK	23755	25RB#0	4.466	4.890	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.476	4.900	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.456	4.890	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.476	4.940	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.476	4.910	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.476	4.930	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.486	4.940	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.476	4.900	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.476	4.930	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.911	9.640	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.931	9.680	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.931	9.680	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.931	9.620	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.911	9.560	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.911	9.620	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.931	9.620	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.911	9.660	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.911	9.640	PASS

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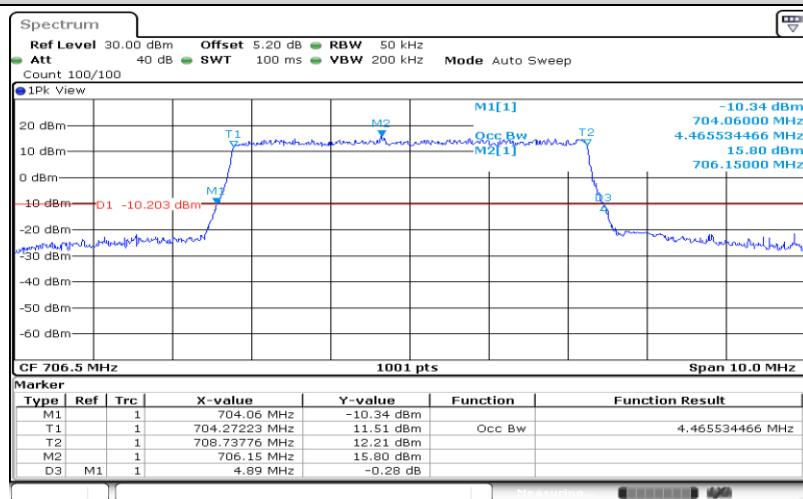
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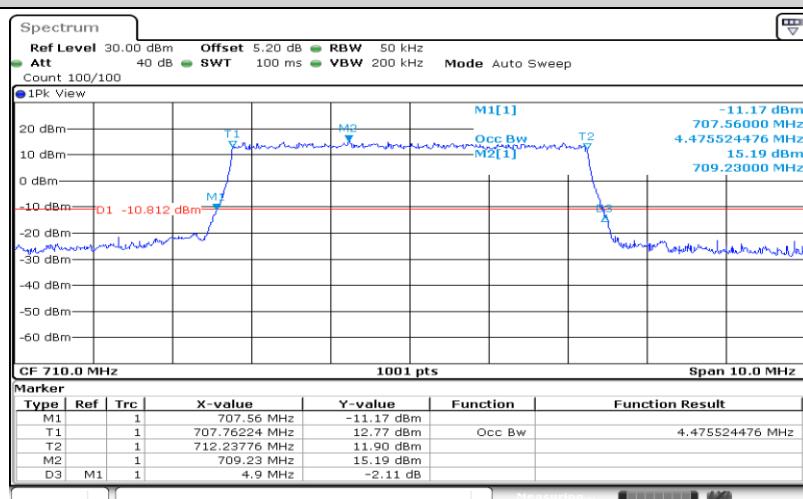
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## 4.2. Test Plots

## Band17-5MHz-QPSK-23755-25RB#0-4.466



## Band17-5MHz-QPSK-23790-25RB#0-4.476



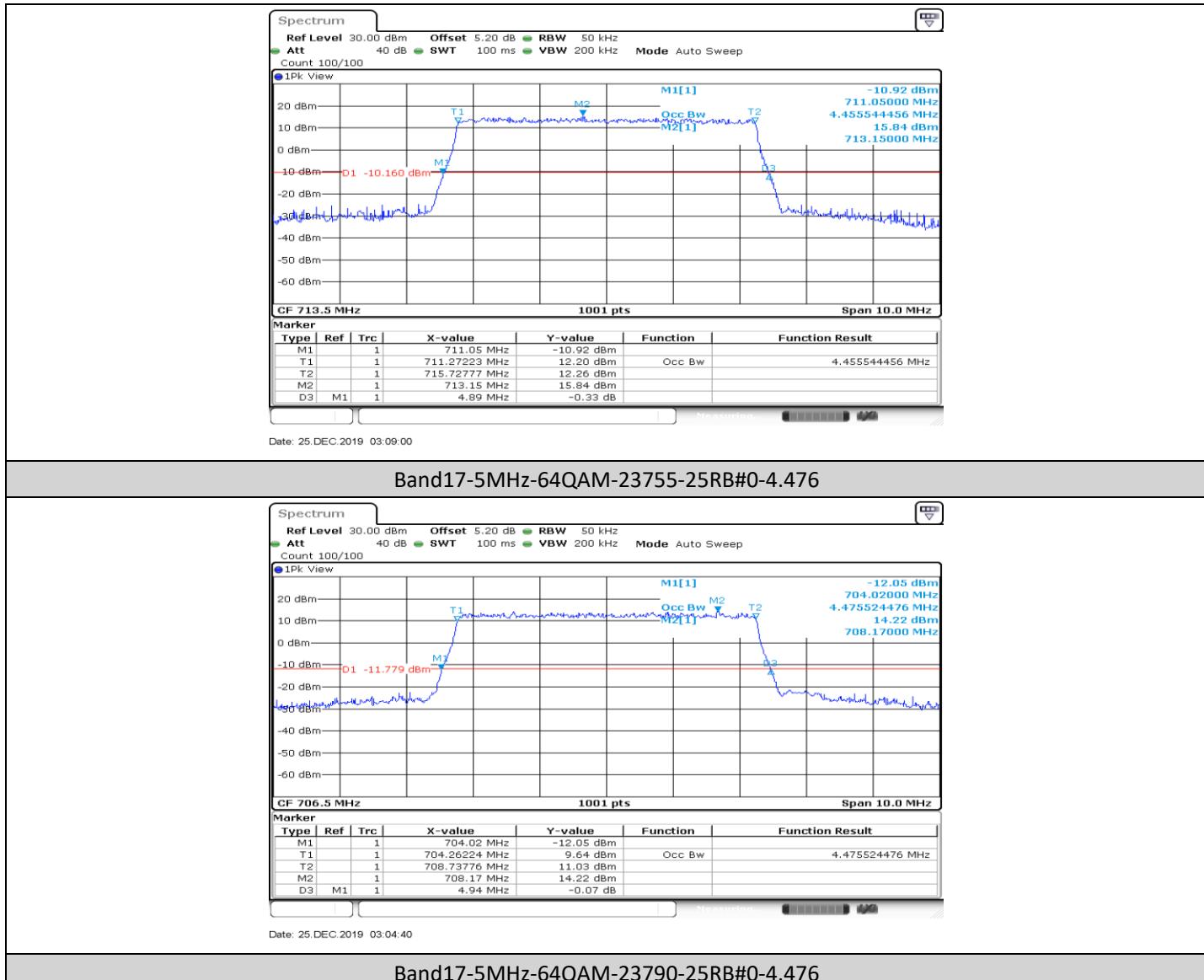
## Band17-5MHz-QPSK-23825-25RB#0-4.456

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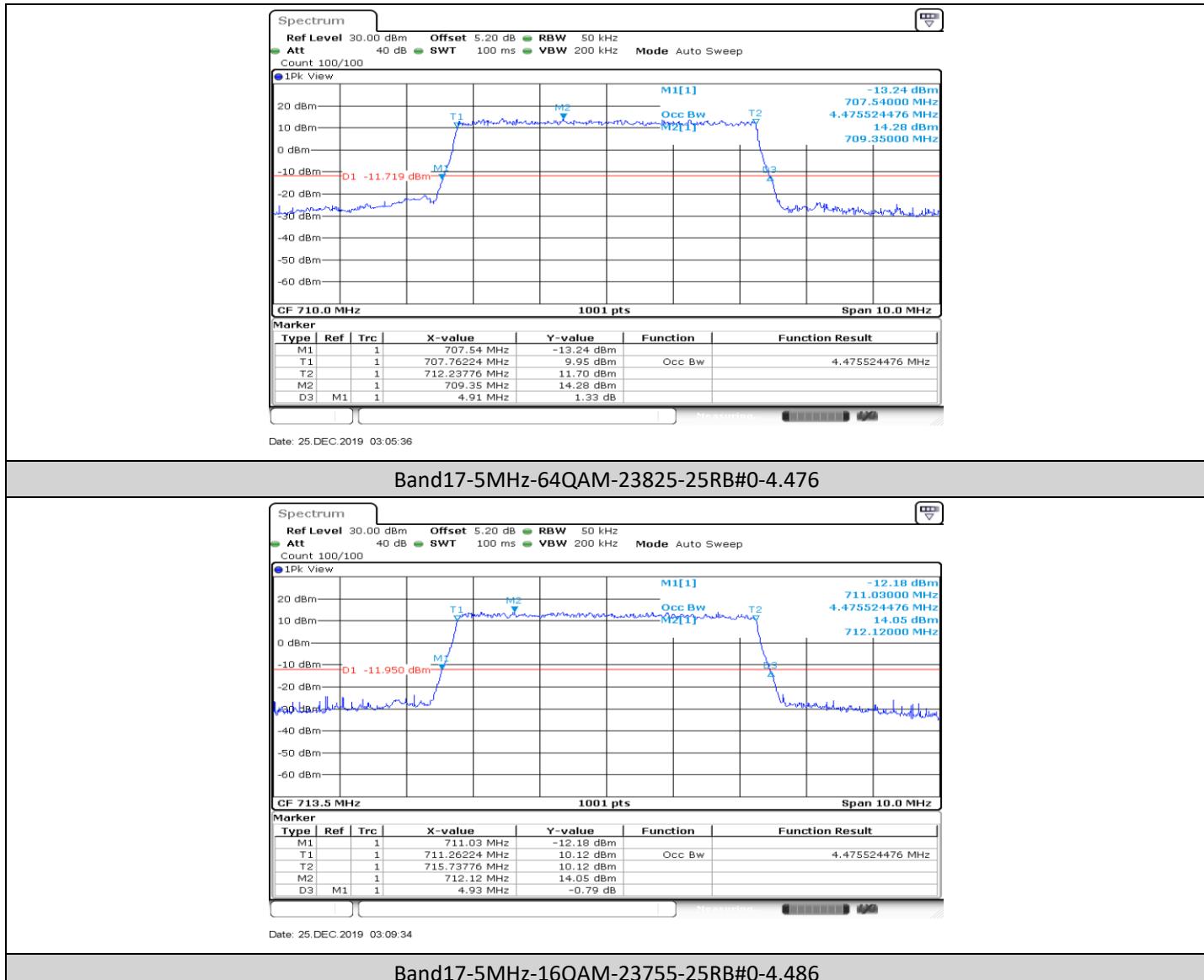


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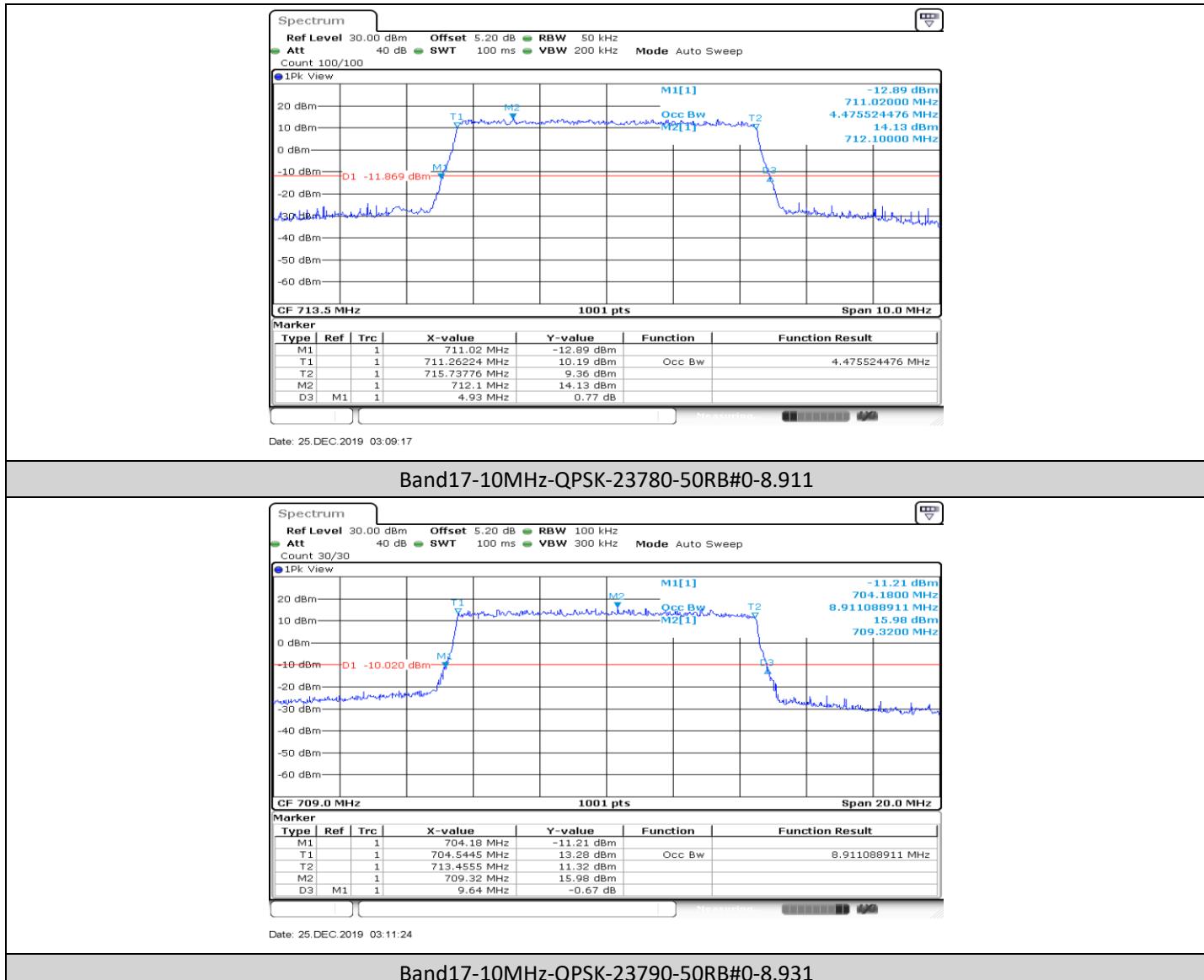


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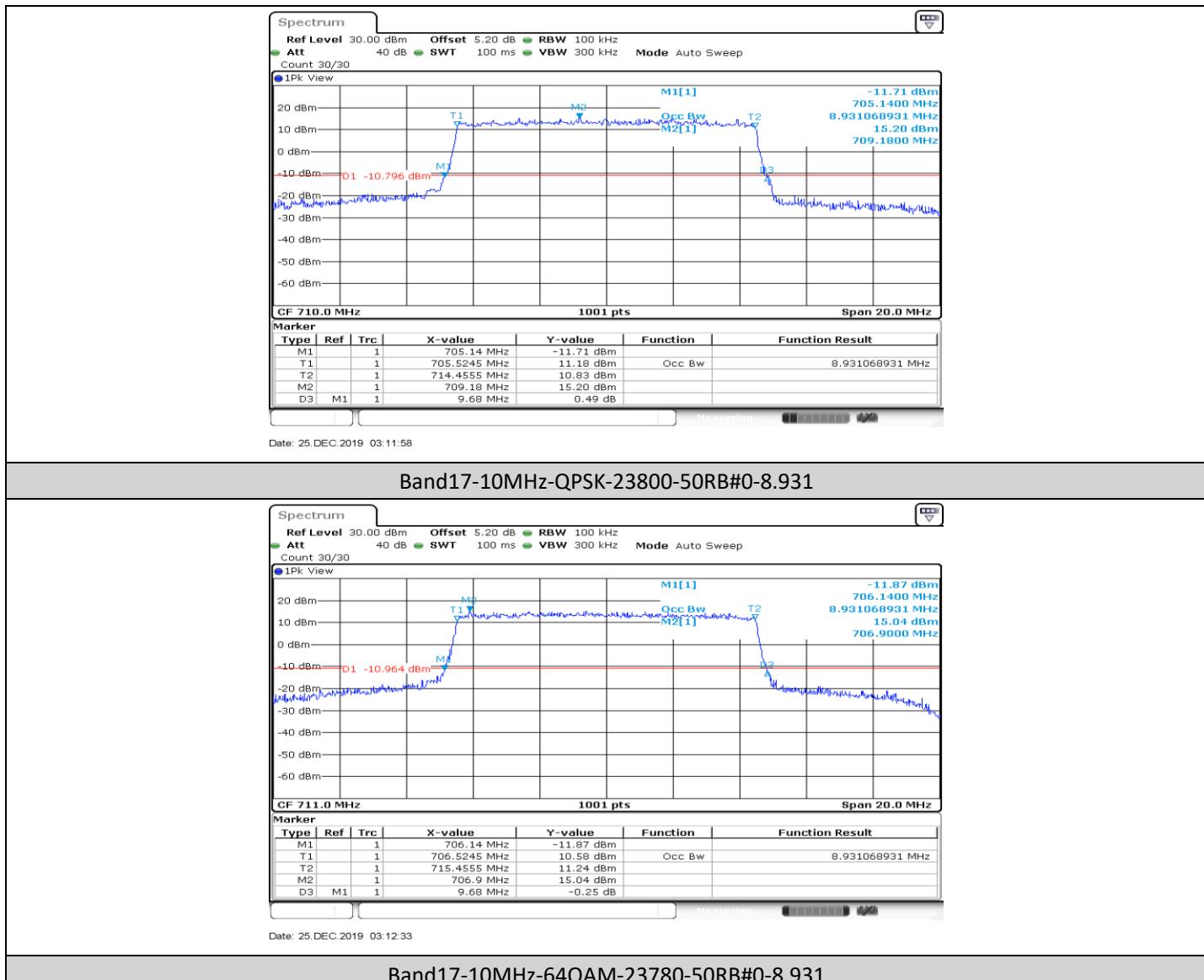


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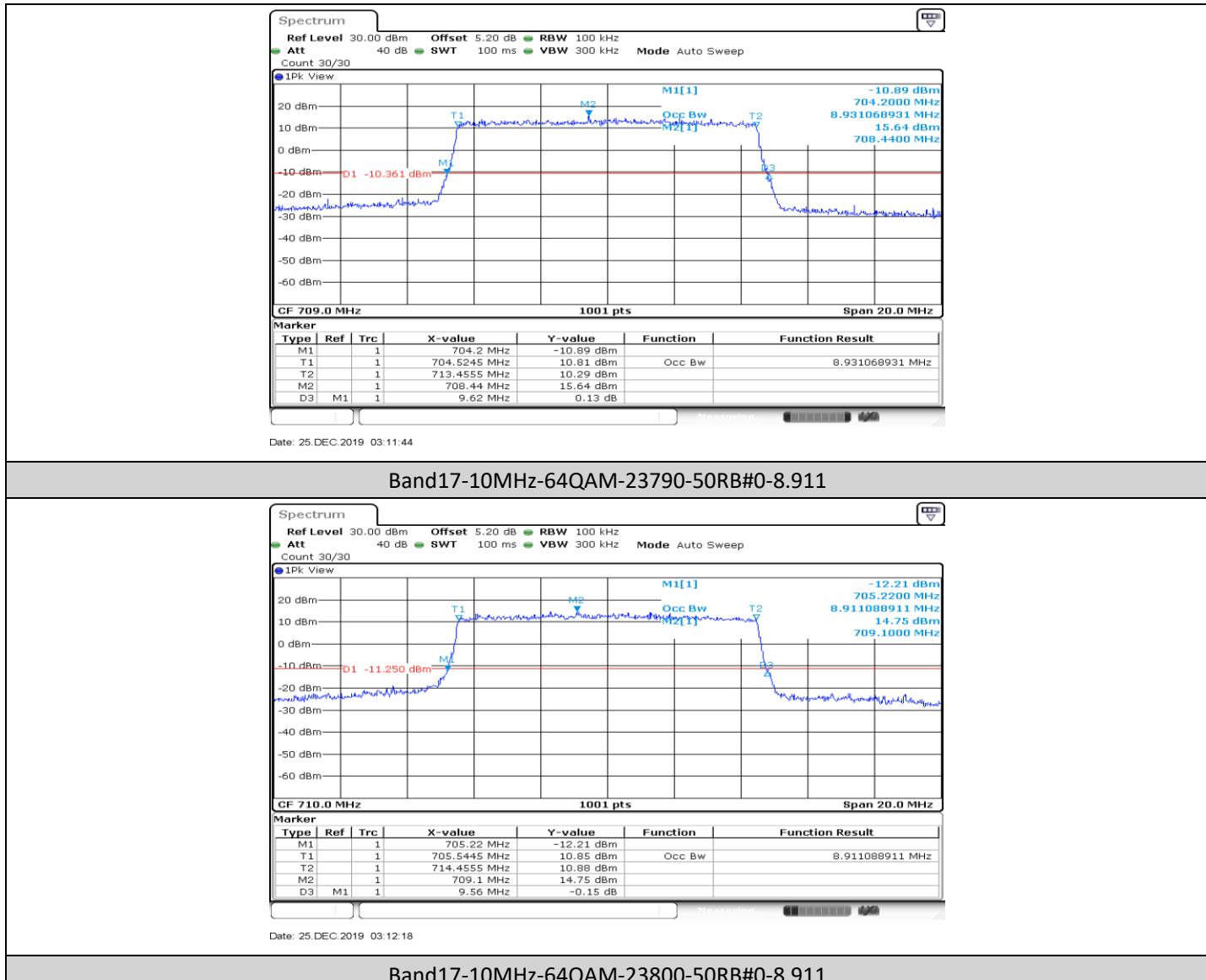


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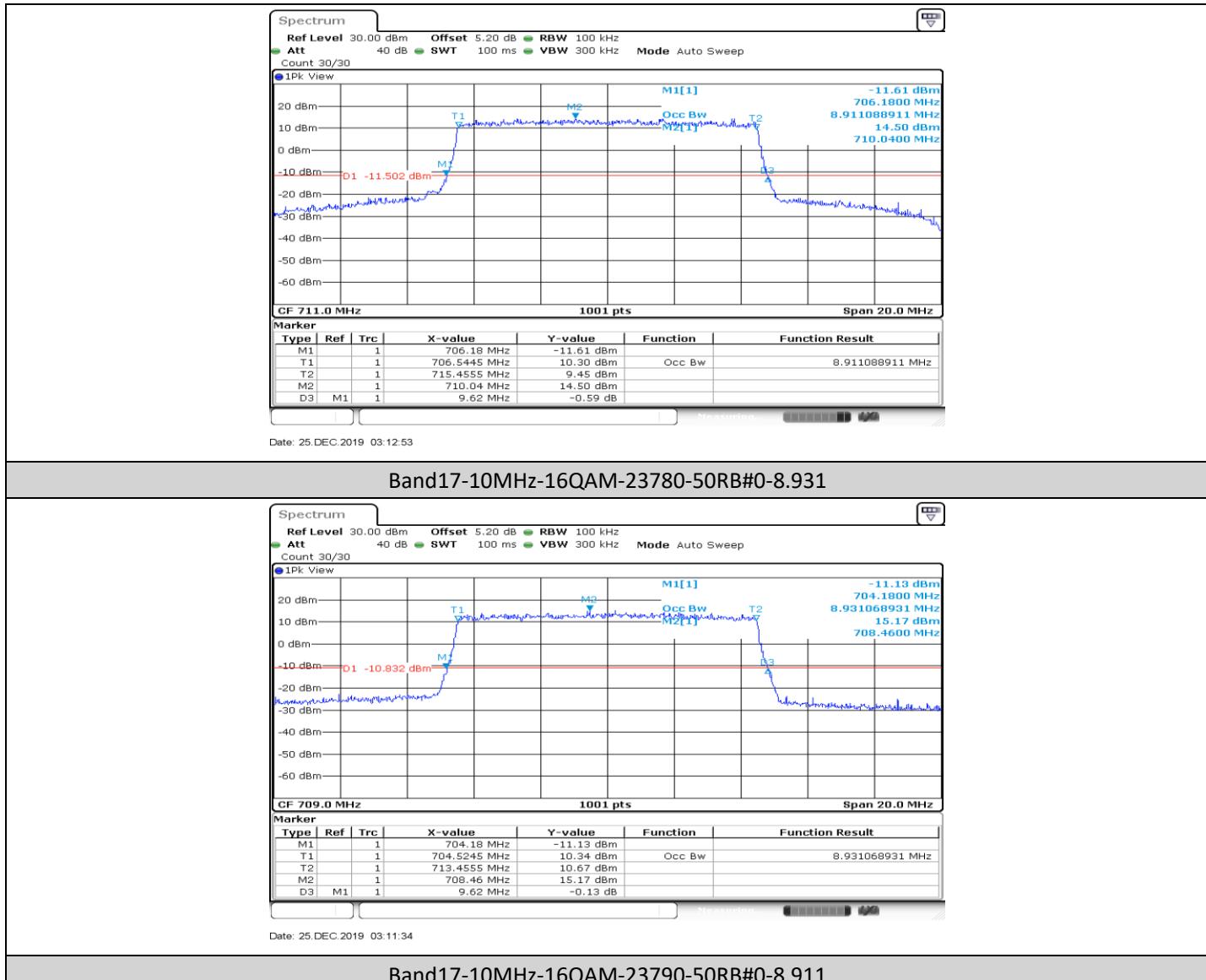


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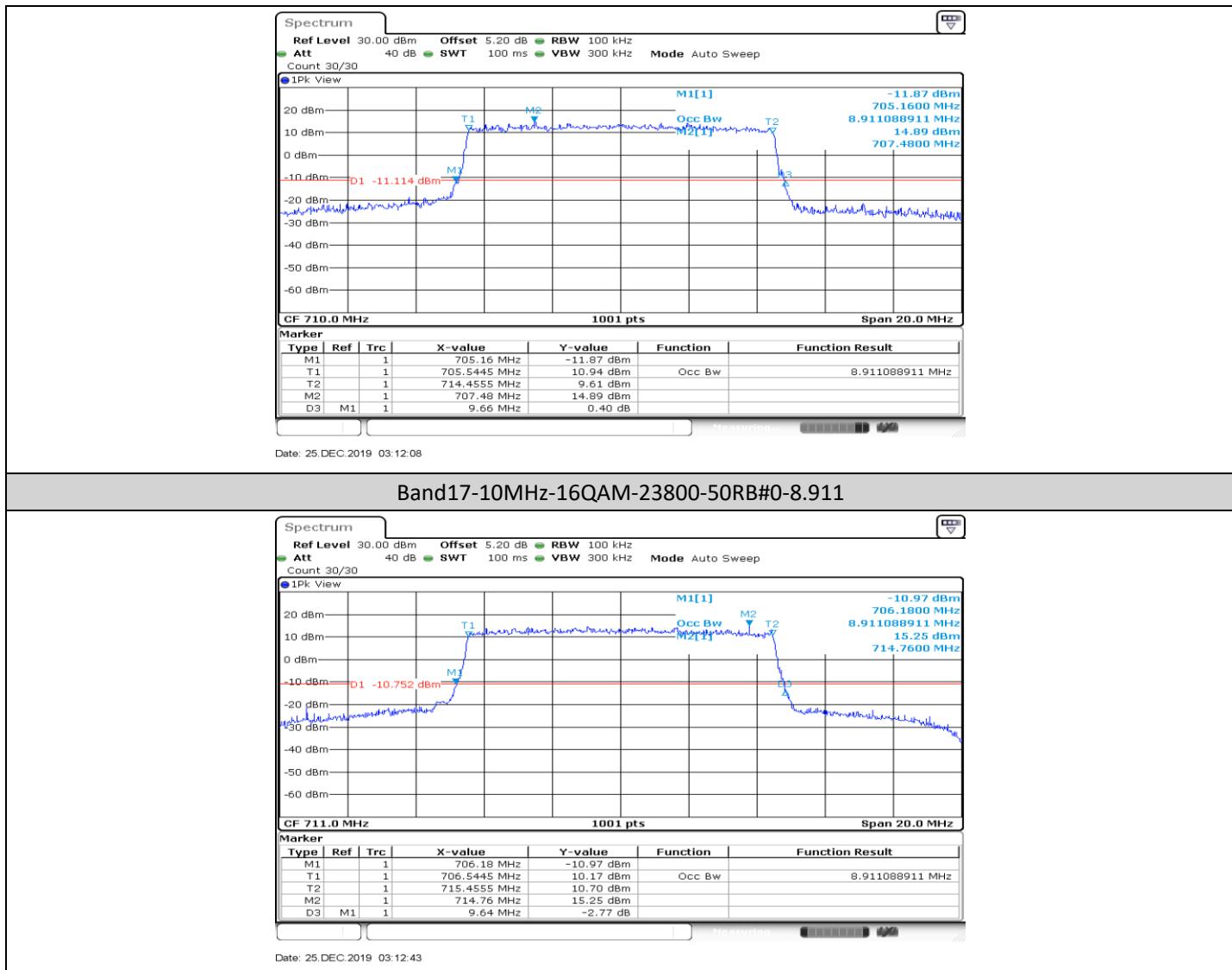


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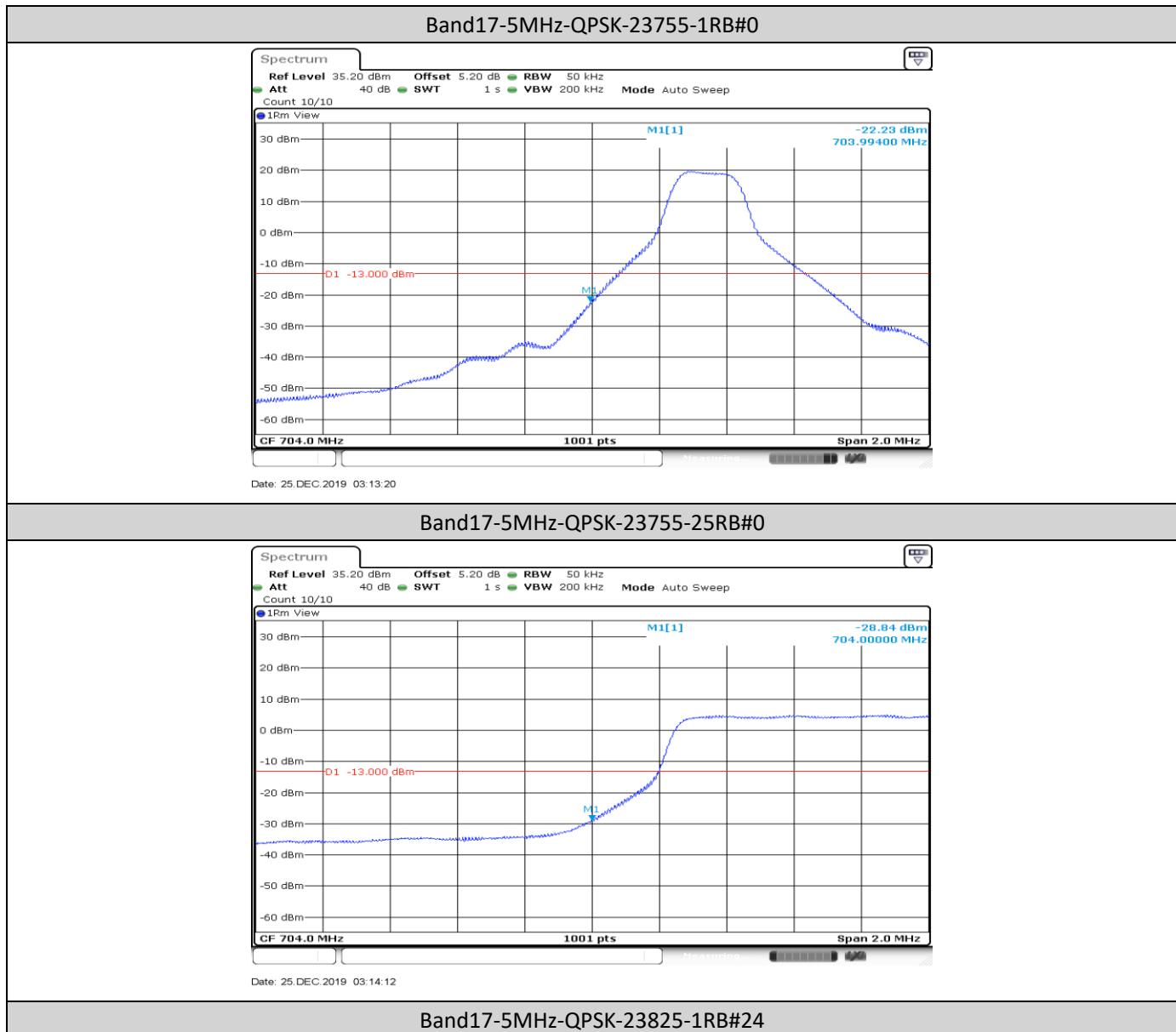
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## 5. Band Edge Compliance

### 5.1. Test Plots

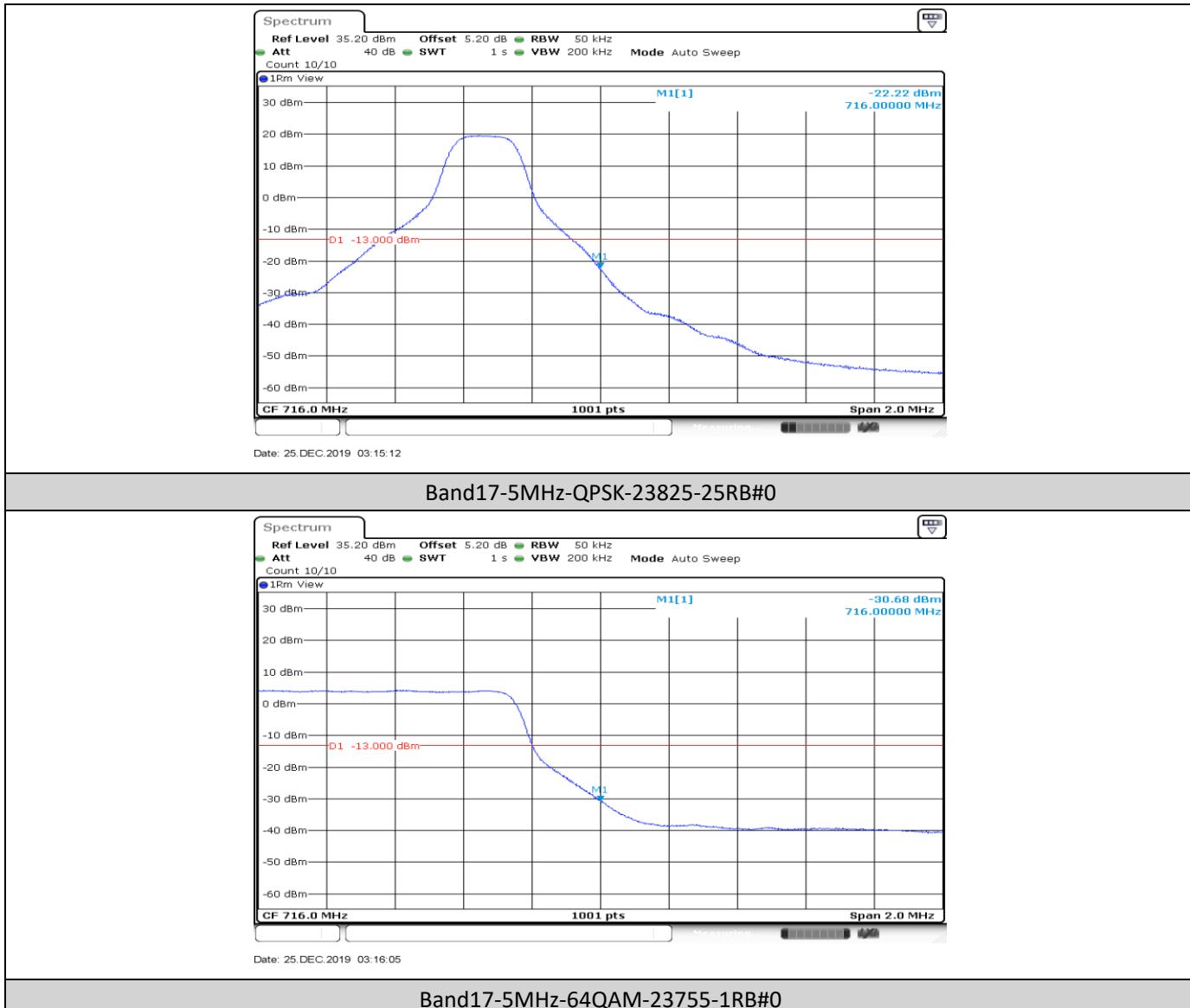


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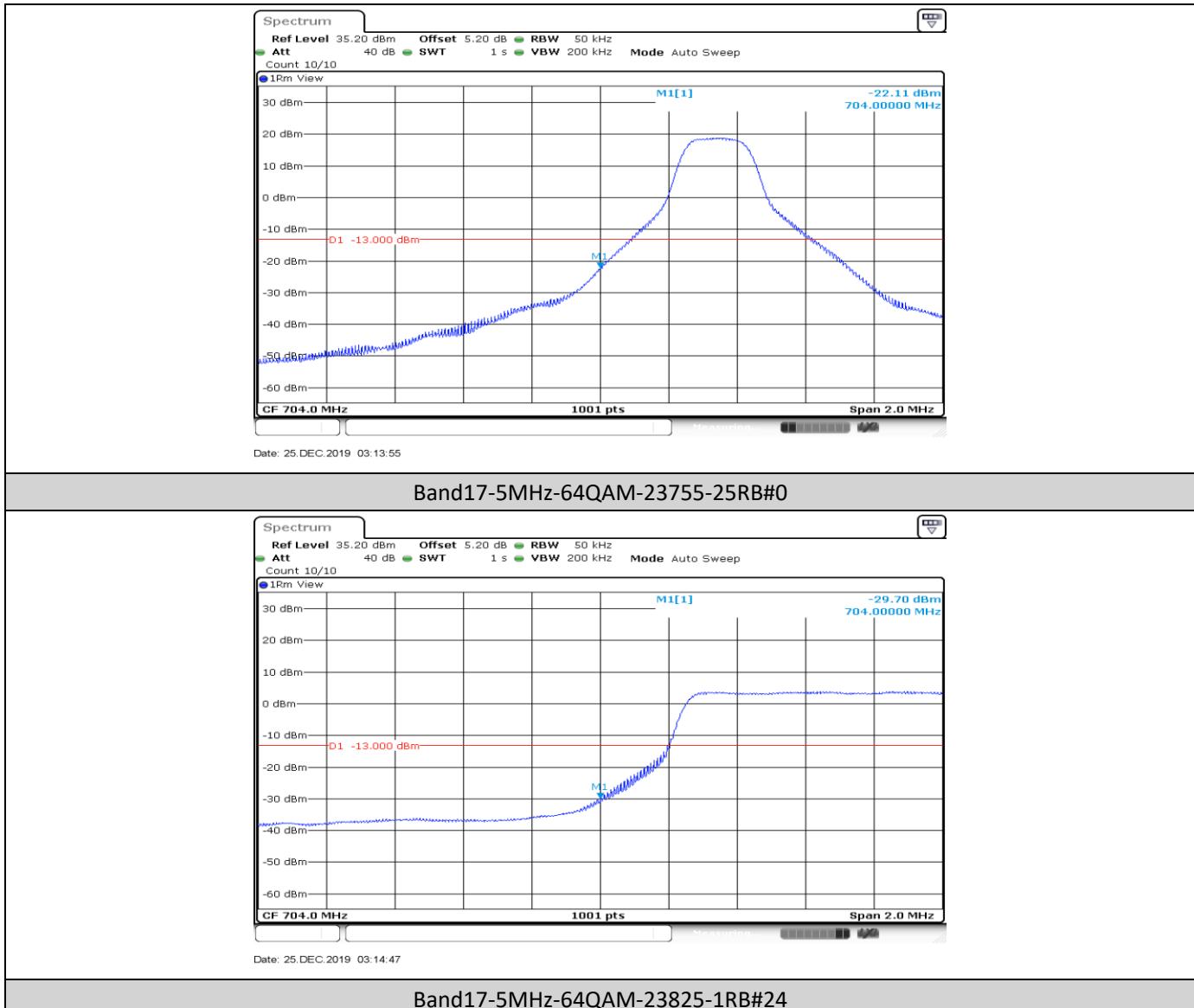


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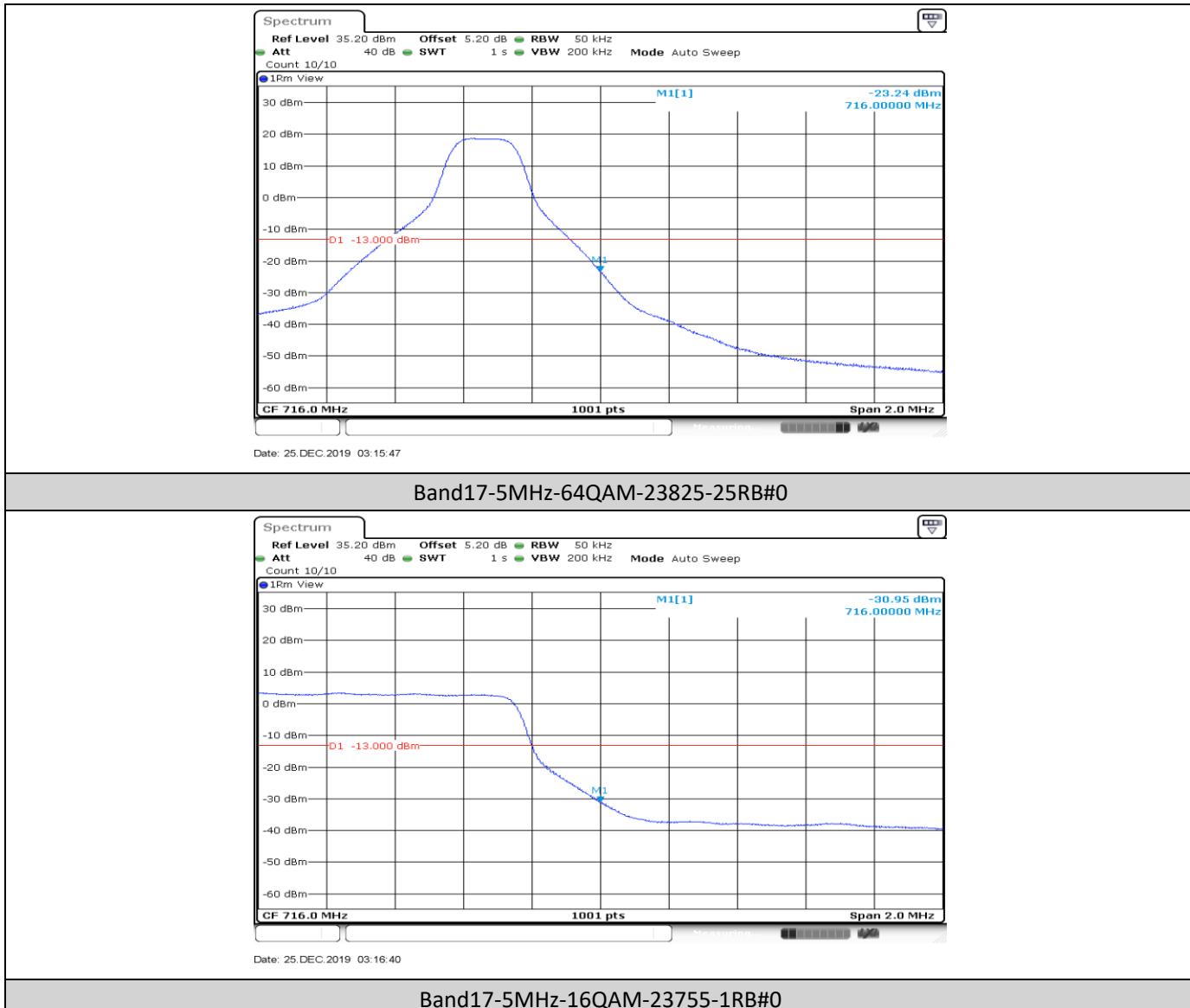


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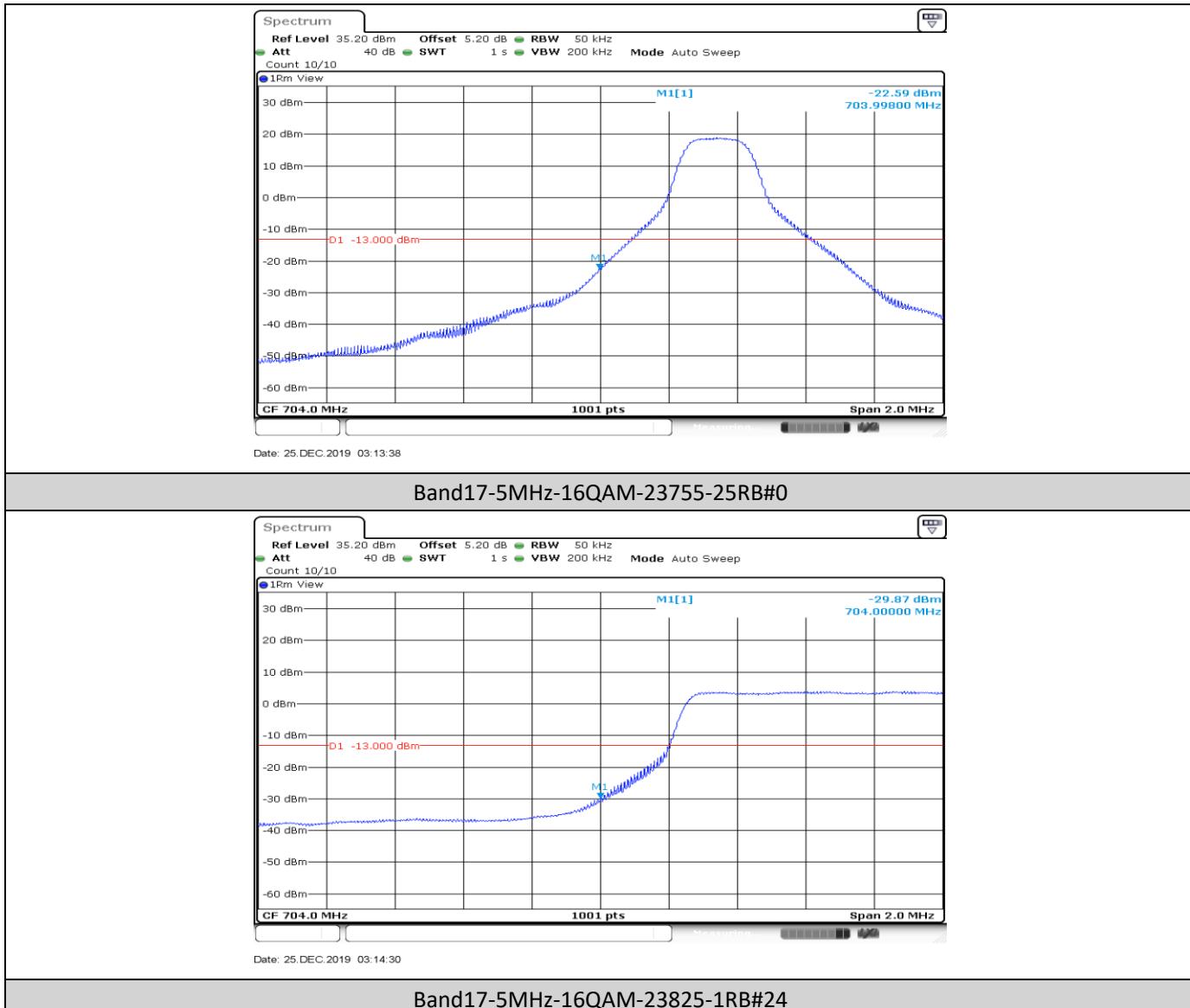


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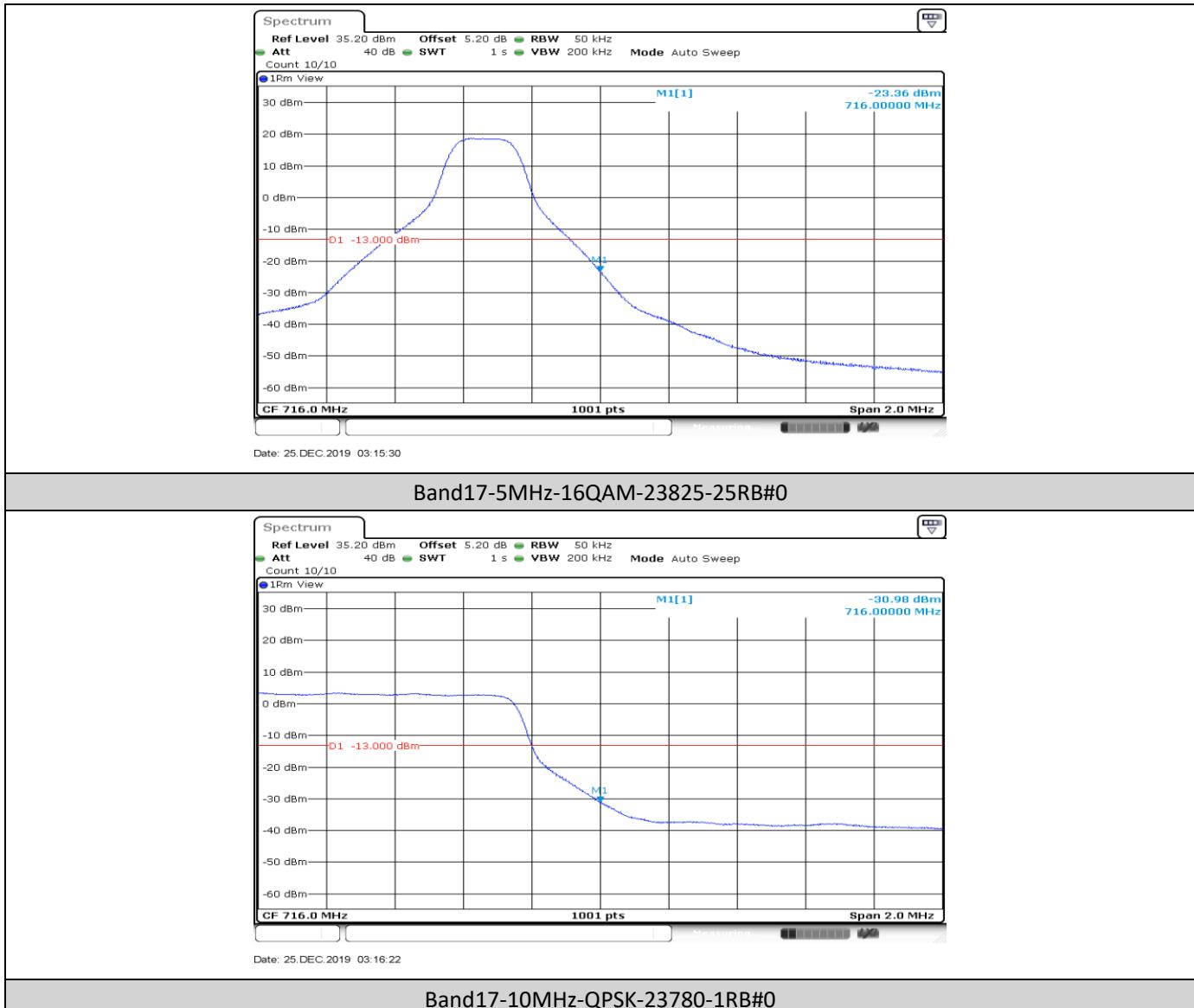
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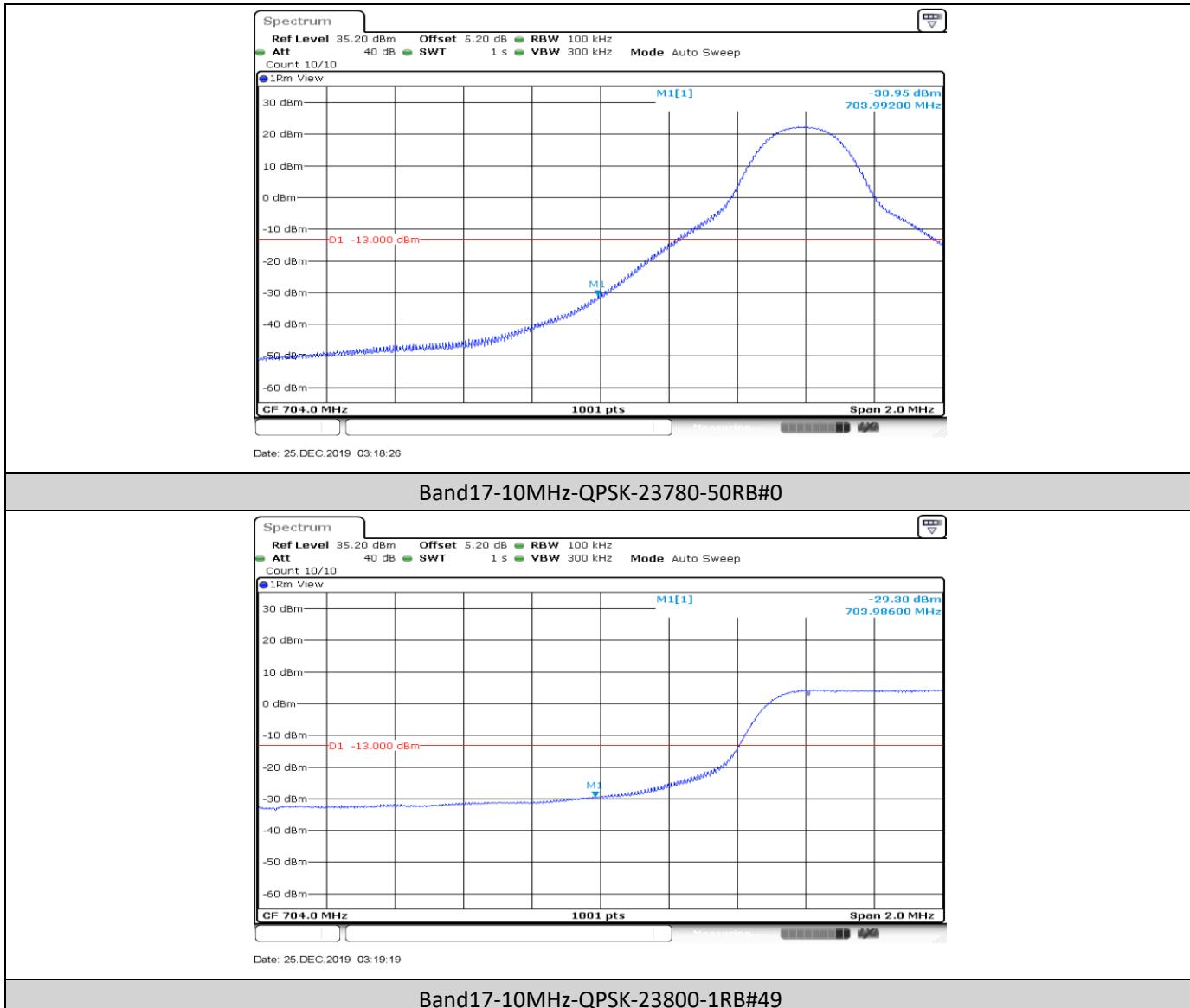


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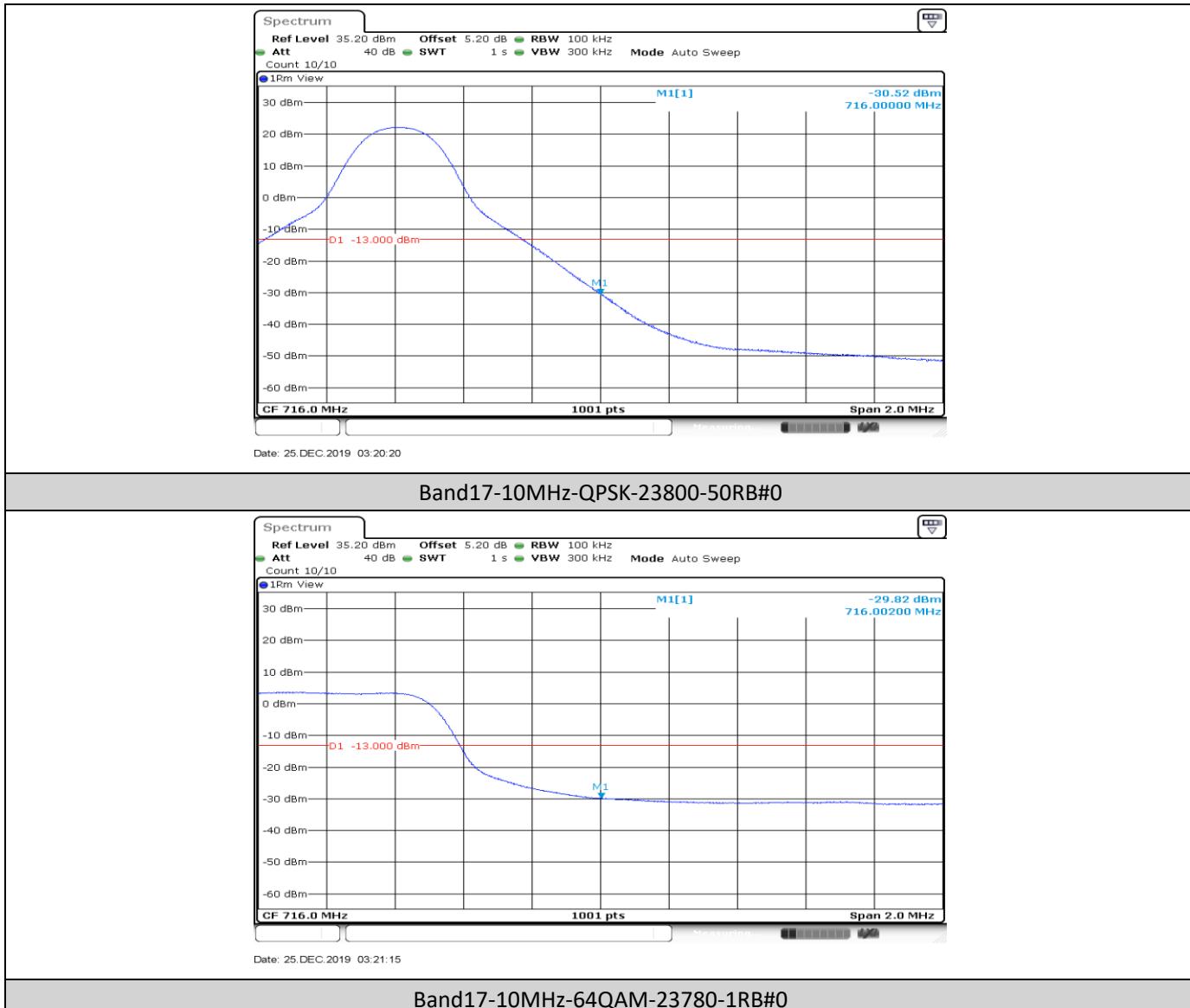
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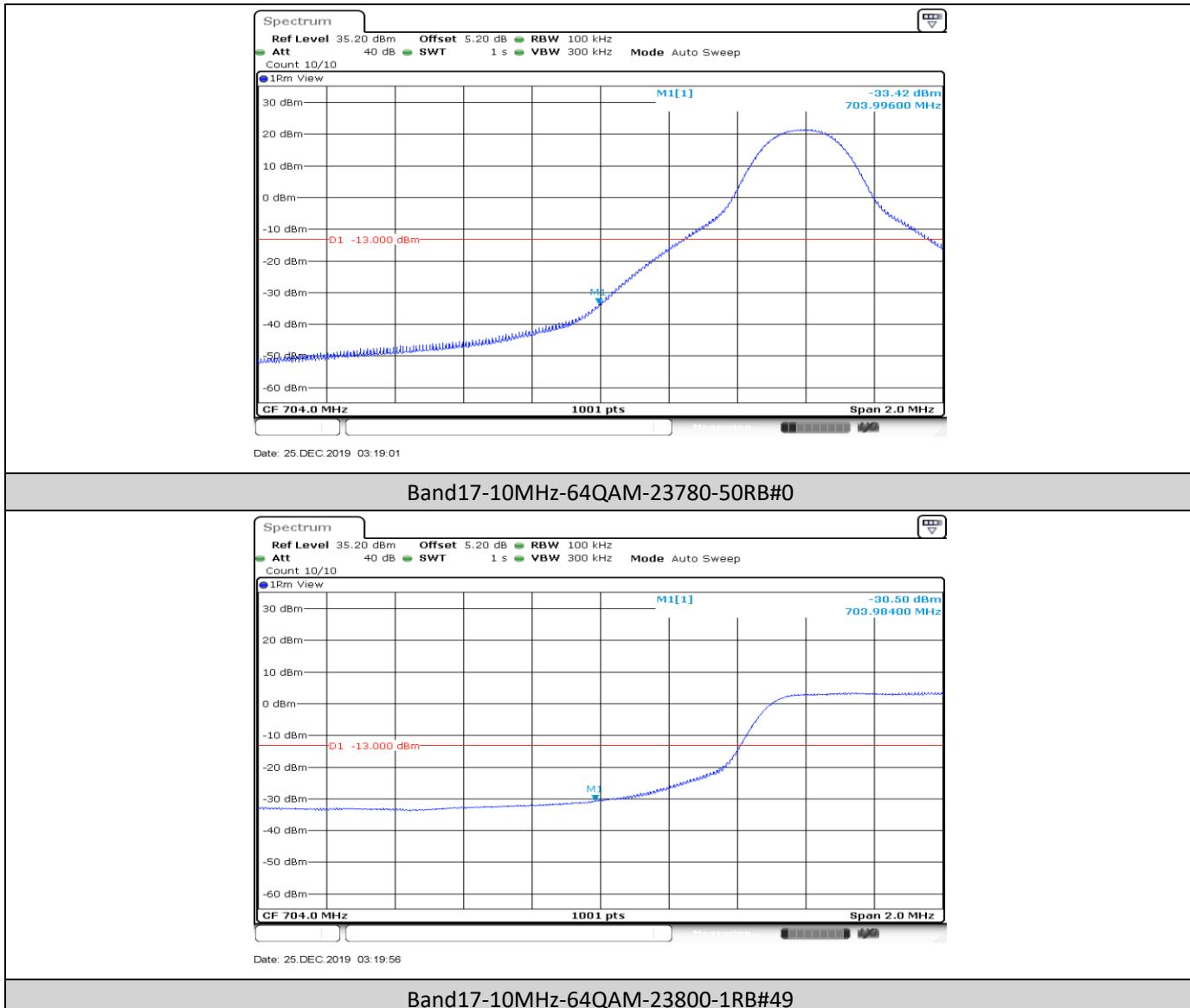


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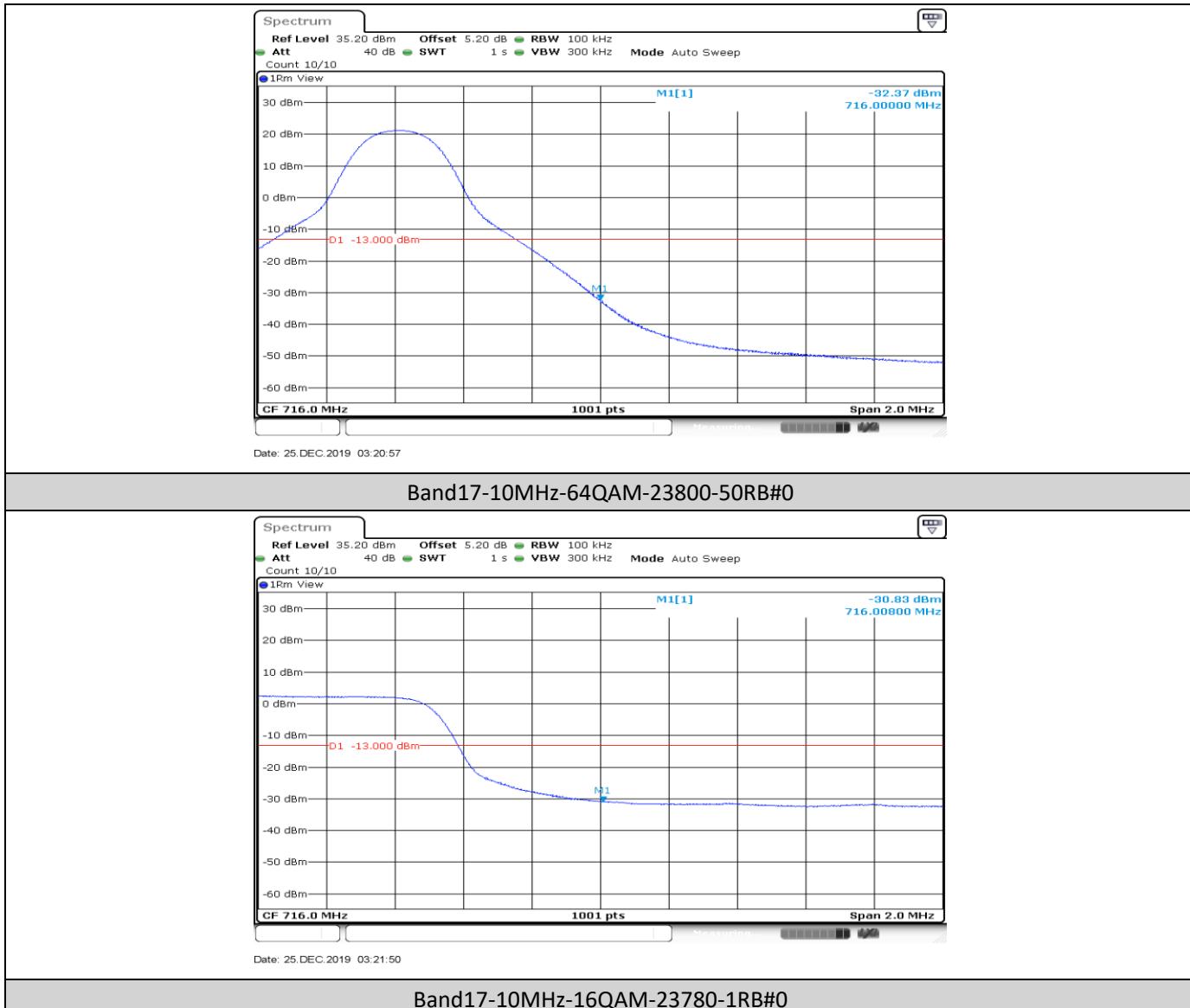


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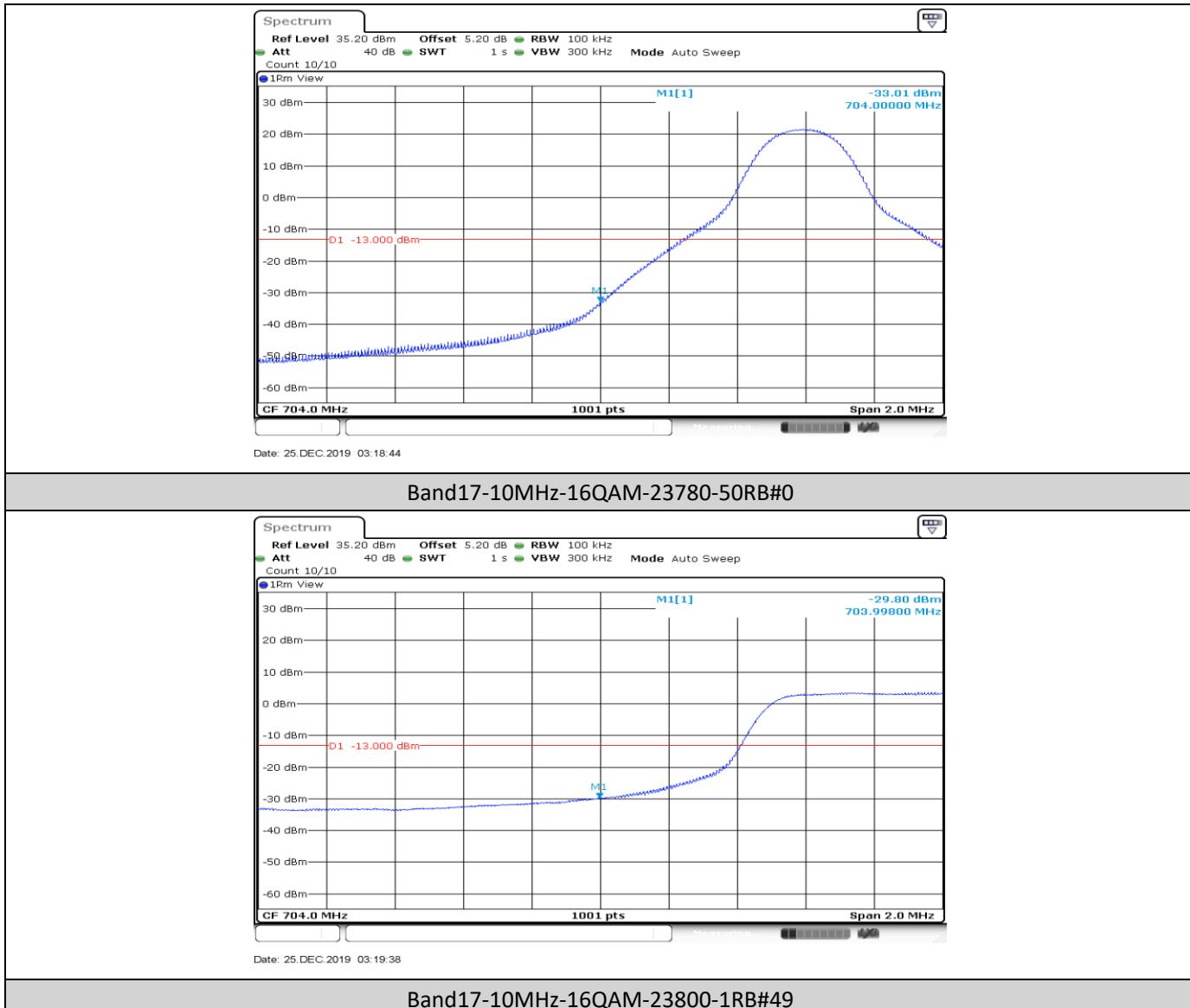
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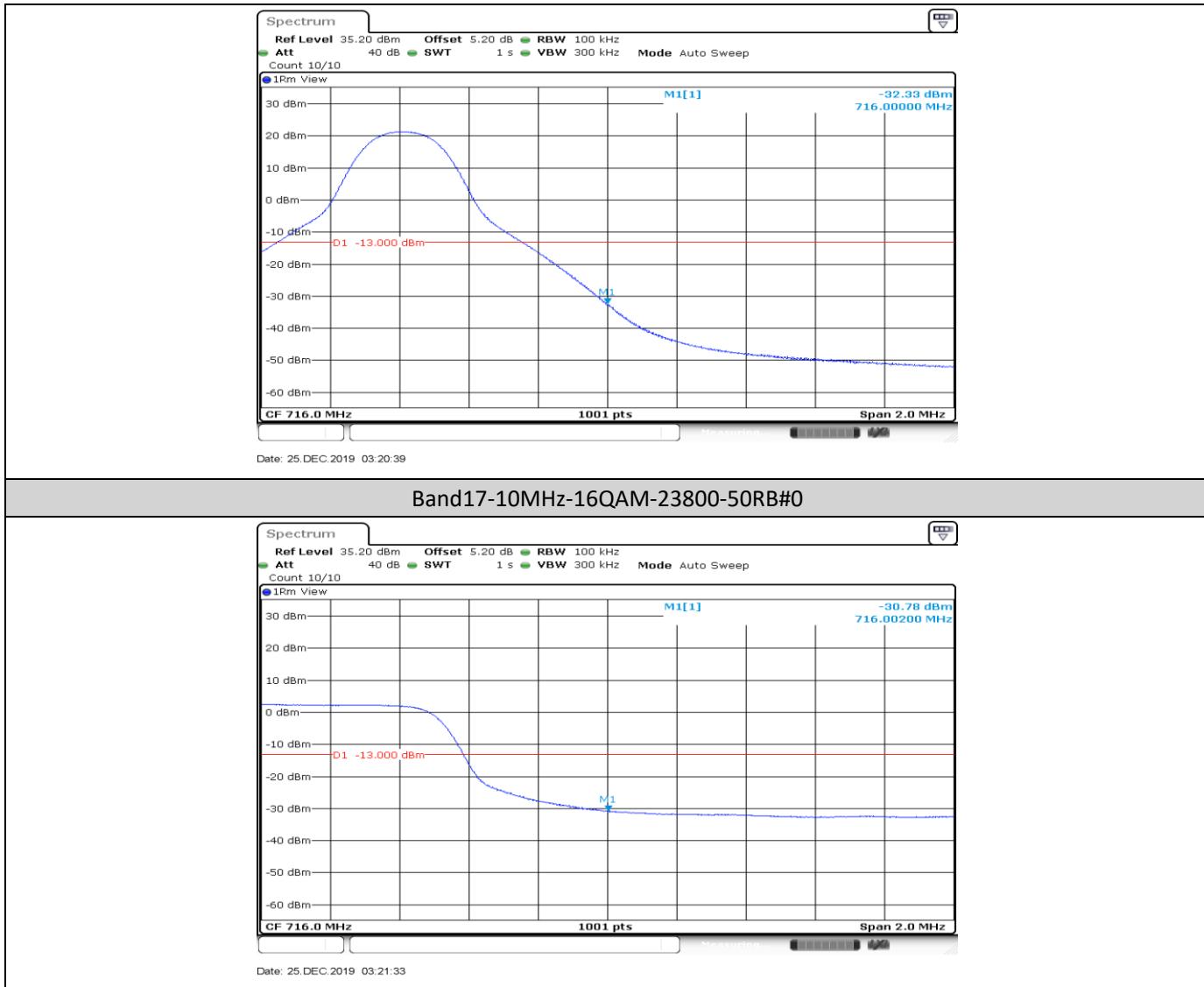


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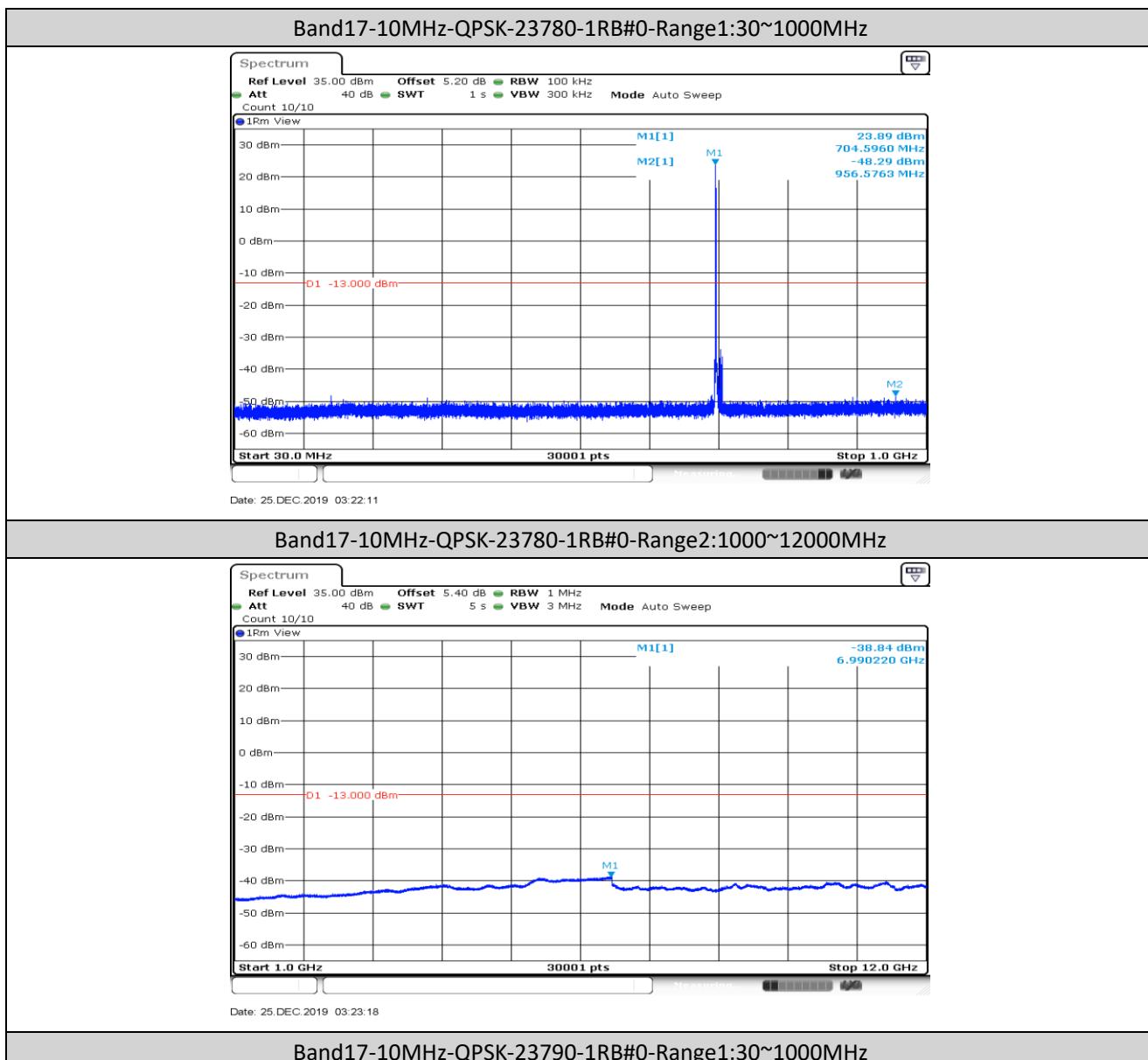
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## 6. Spurious Emission at Antenna Terminal

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  $< \text{RBW}/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (\text{Span} / \text{RBW})$ " 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

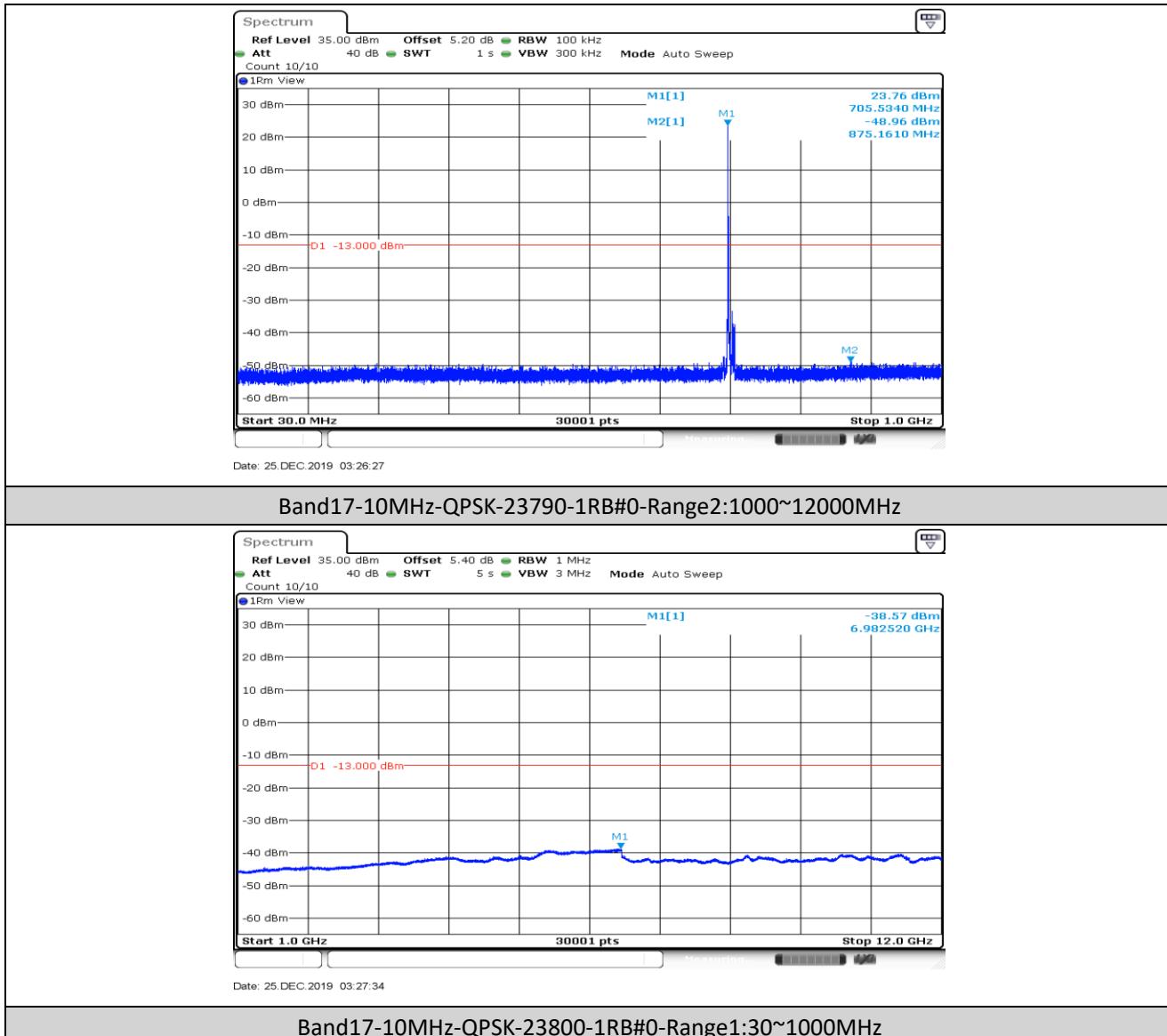


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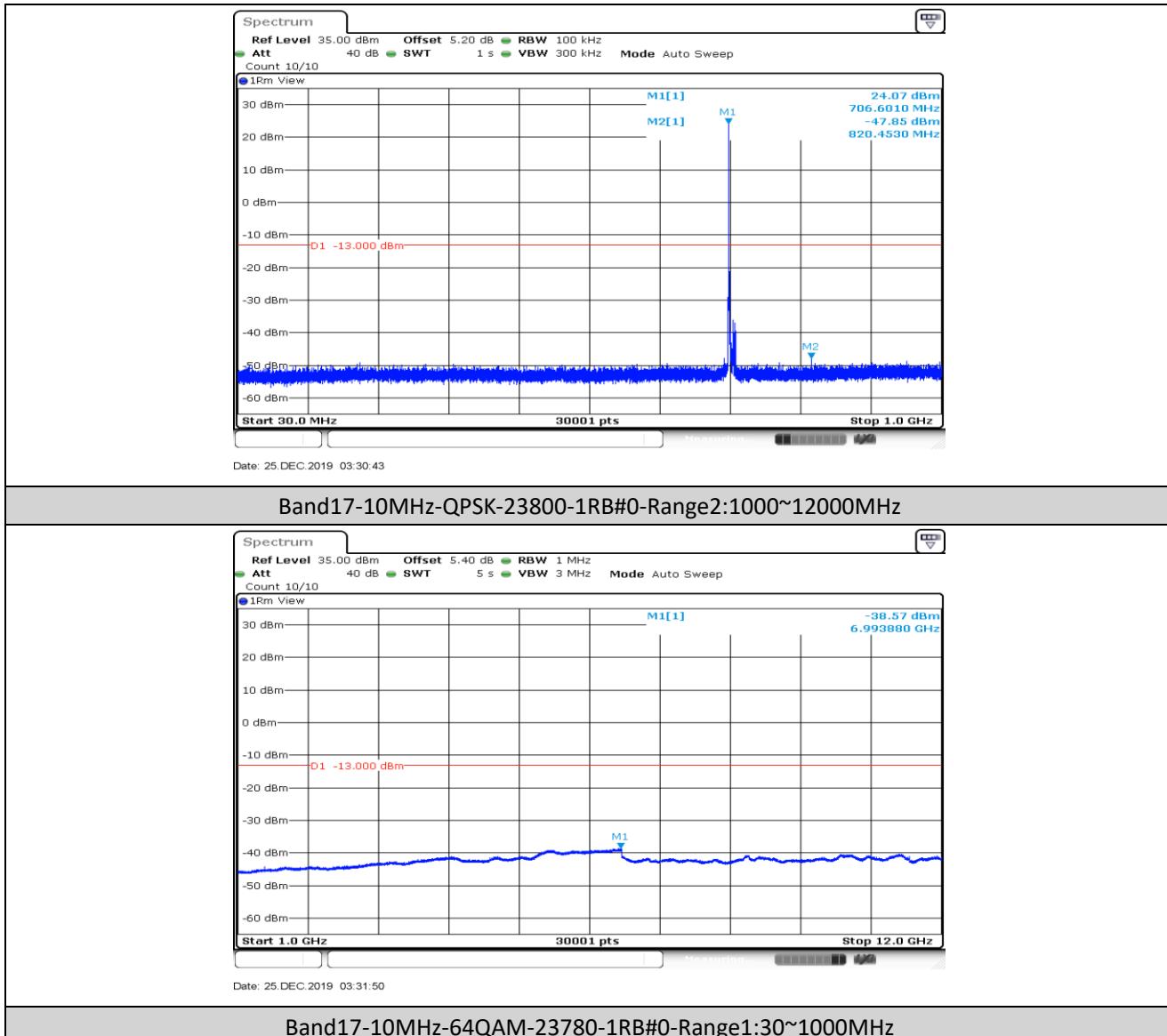


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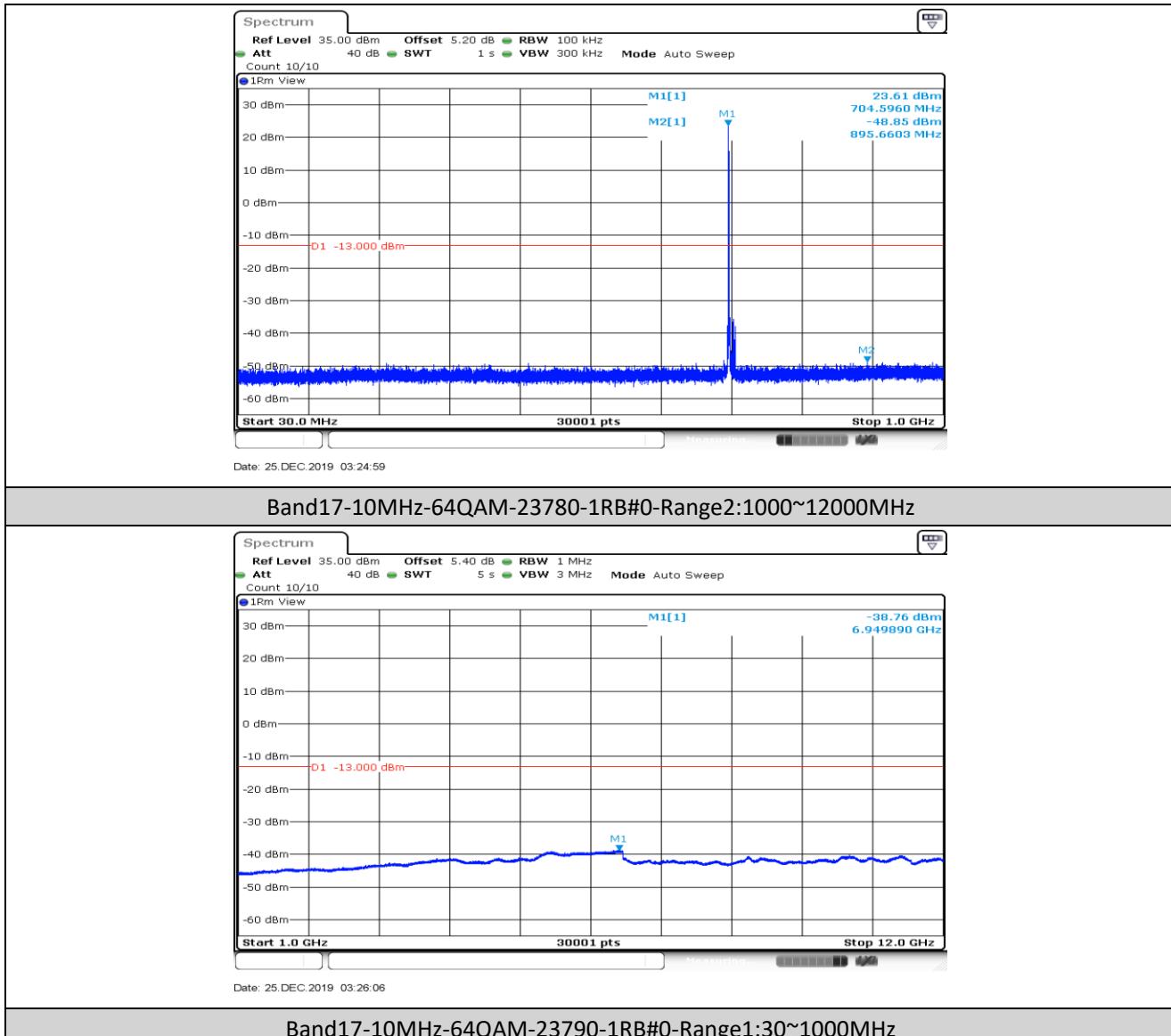


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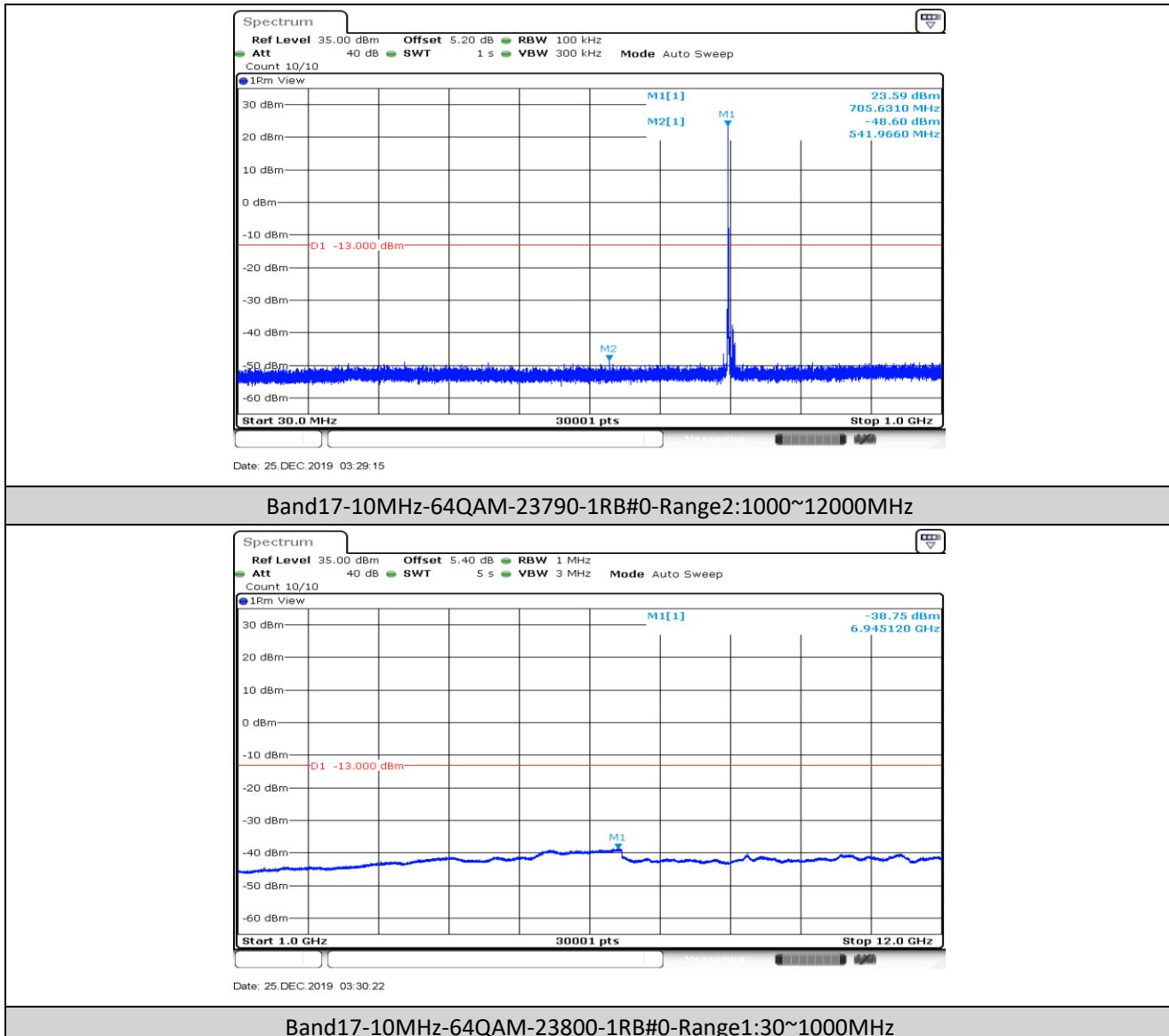


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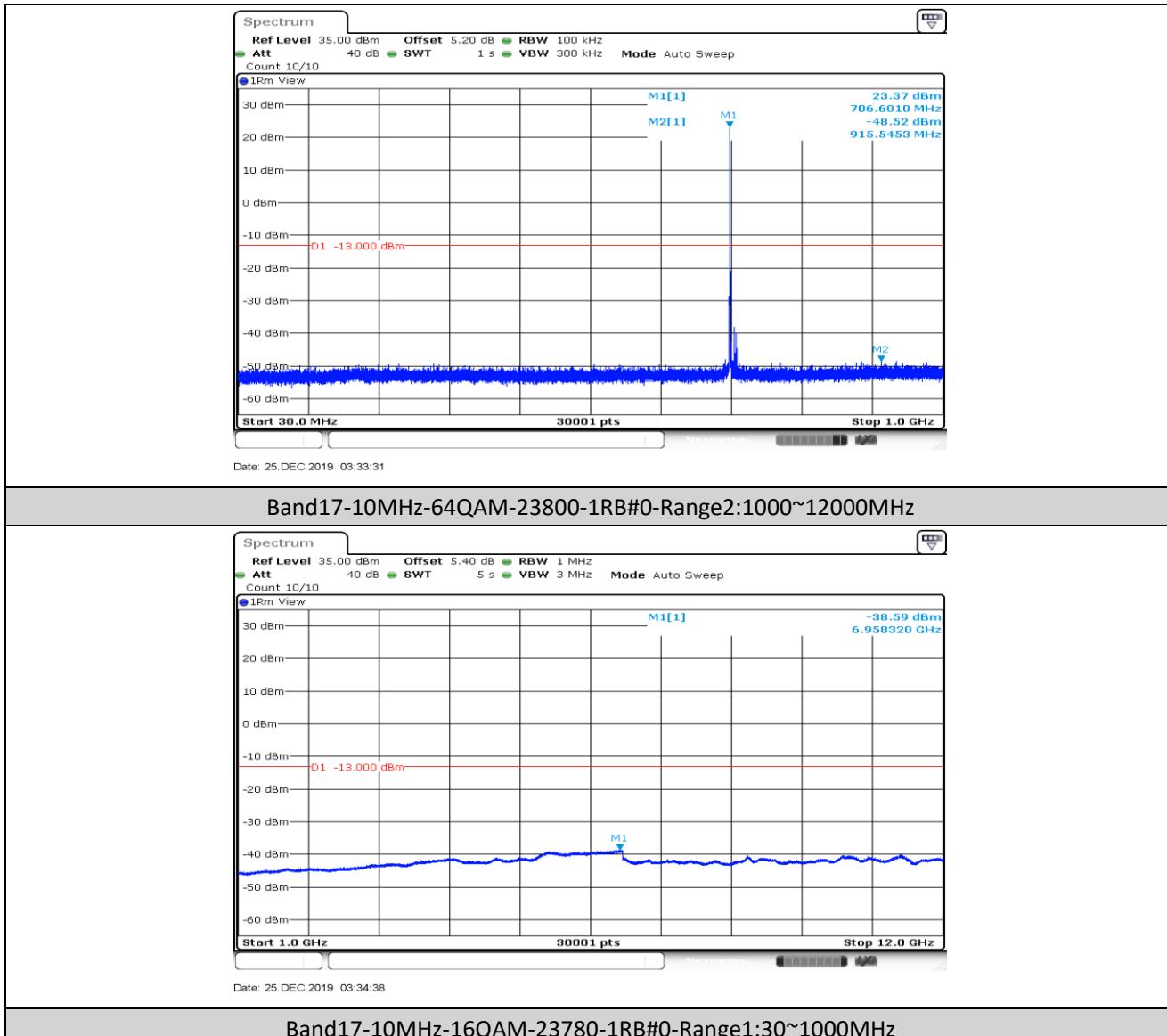


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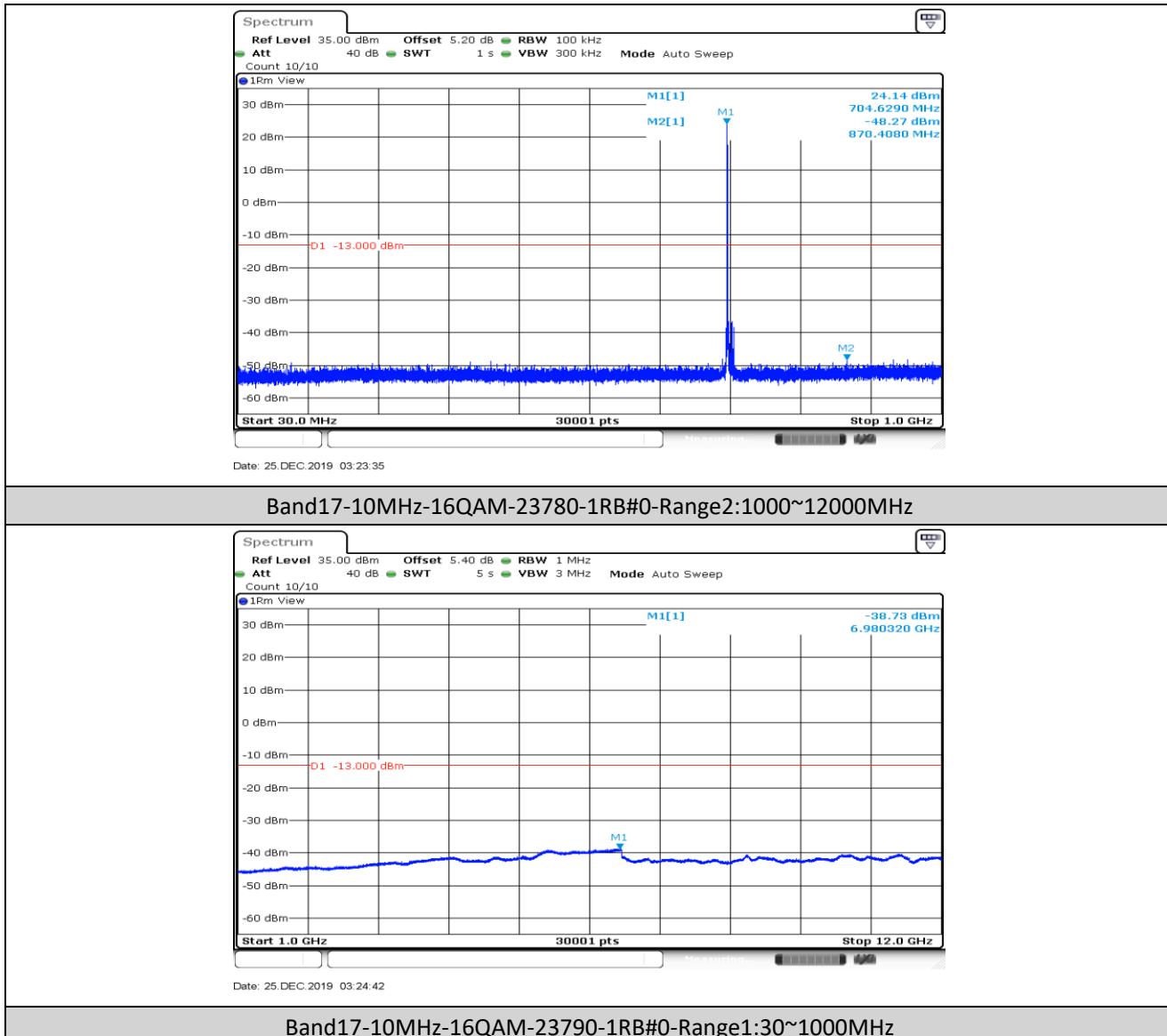


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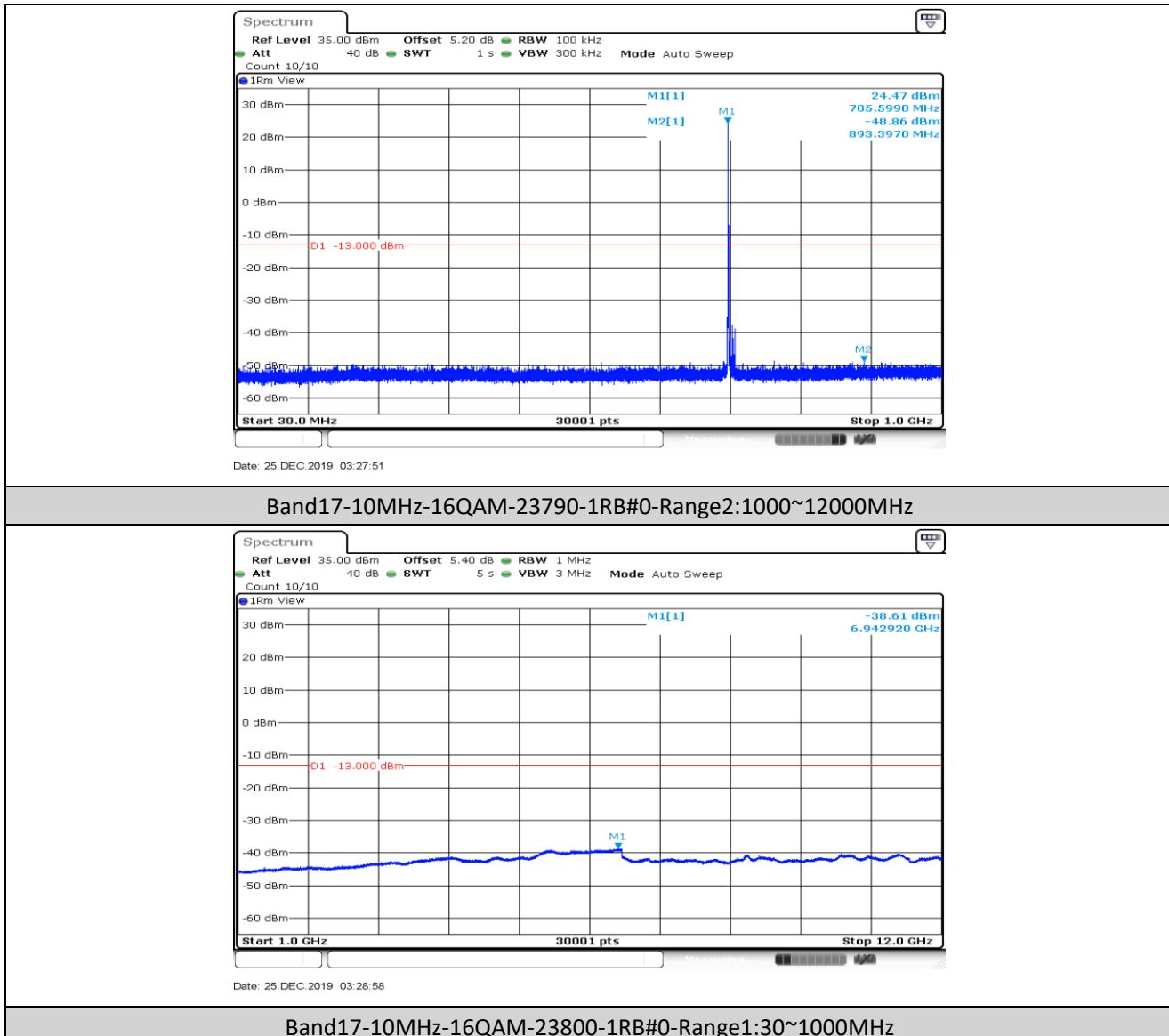


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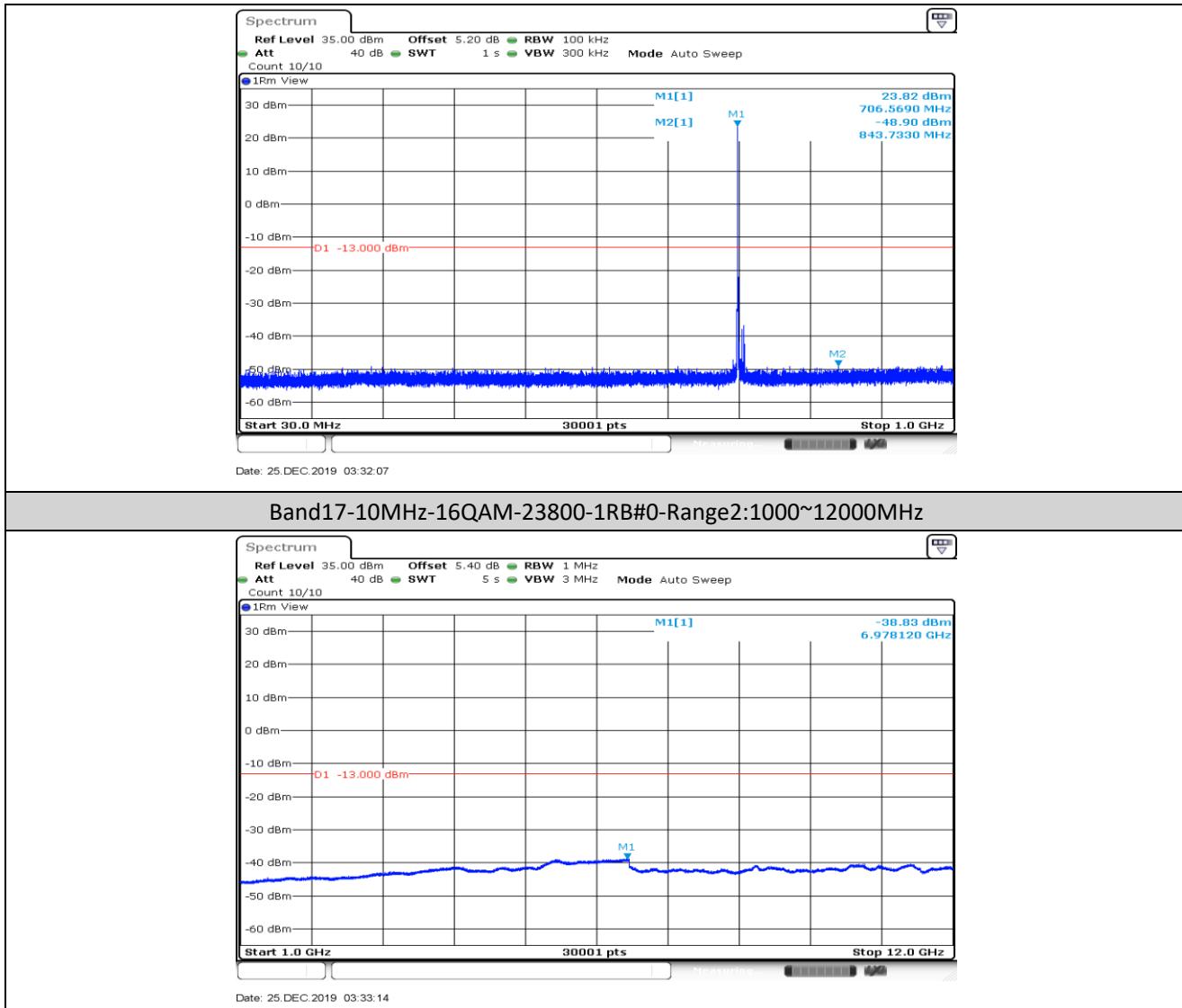


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## 7. Field Strength of Spurious Radiation

### 7.1. Test Mode =LTE/TM1 (Ant0)

#### 7.1.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
111.9206	-65.36	-13.00	52.36	325	64	Vertical
515.6063	-66.66	-13.00	53.66	172	4	Vertical
999.7090	-57.15	-13.00	44.15	222	304	Vertical
2401.8804	-55.72	-13.00	42.72	284	165	Vertical
14480.2592	-47.99	-13.00	34.99	179	171	Vertical
17999.4000	-40.80	-13.00	27.80	246	91	Vertical
43.0957	-64.55	-13.00	51.55	168	4	Horizontal
229.4420	-67.74	-13.00	54.74	242	351	Horizontal
990.1055	-57.77	-13.00	44.77	112	4	Horizontal
2703.5407	-55.94	-13.00	42.94	274	135	Horizontal
9275.6510	-54.39	-13.00	41.39	176	244	Horizontal
16378.7351	-44.43	-13.00	31.43	284	298	Horizontal

#### 7.1.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
118.3714	-65.23	-13.00	52.23	188	324	Vertical
446.2478	-66.79	-13.00	53.79	143	352	Vertical
3000.0000	-56.29	-13.00	43.29	242	149	Vertical
7382.5753	-56.59	-13.00	43.59	111	84	Vertical
14696.2679	-48.33	-13.00	35.33	168	298	Vertical
17999.4000	-40.49	-13.00	27.49	196	352	Vertical
41.3011	-65.11	-13.00	52.11	232	31	Horizontal
228.9569	-68.91	-13.00	55.91	244	218	Horizontal
994.3252	-57.43	-13.00	44.43	142	352	Horizontal
2699.1398	-55.99	-13.00	42.99	222	45	Horizontal
8001.8001	-57.16	-13.00	44.16	289	271	Horizontal
16396.1358	-44.25	-13.00	31.25	132	164	Horizontal

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### 7.1.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
48.2369	-73.35	-13.00	60.35	288	31	Vertical
110.7080	-64.71	-13.00	51.71	254	138	Vertical
554.8932	-65.10	-13.00	52.10	242	4	Vertical
2711.1422	-57.29	-13.00	44.29	233	167	Vertical
7351.3741	-56.60	-13.00	43.60	327	110	Vertical
17996.9999	-40.47	-13.00	27.47	172	138	Vertical
43.8717	-64.30	-13.00	51.30	132	245	Horizontal
231.5276	-68.55	-13.00	55.55	166	110	Horizontal
996.5078	-56.27	-13.00	43.27	294	192	Horizontal
1412.8826	-64.39	-13.00	51.39	221	139	Horizontal
2706.7413	-56.02	-13.00	43.02	238	214	Horizontal
16376.9351	-44.09	-13.00	31.09	244	245	Horizontal

### 7.2. Test Mode =LTE/TM1 (Ant1)

#### 7.2.1. Test Channel = LCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
112.8421	-65.57	-13.00	52.57	174	4	Vertical
567.7949	-66.12	-13.00	53.12	185	4	Vertical
998.5449	-56.56	-13.00	43.56	196	110	Vertical
2998.7998	-56.39	-13.00	43.39	231	289	Vertical
14504.8602	-49.61	-13.00	36.61	266	191	Vertical
17999.4000	-43.75	-13.00	30.75	261	110	Vertical
43.5322	-63.70	-13.00	50.70	185	4	Horizontal
243.4107	-68.72	-13.00	55.72	196	32	Horizontal
981.3751	-57.15	-13.00	44.15	231	85	Horizontal
2700.3401	-56.07	-13.00	43.07	262	78	Horizontal
9553.4621	-54.41	-13.00	41.41	261	32	Horizontal
16396.1358	-45.49	-13.00	32.49	184	85	Horizontal

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### 7.2.2. Test Channel = MCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
106.8763	-65.35	-13.00	52.35	145	350	Vertical
582.8306	-65.74	-13.00	52.74	185	138	Vertical
994.0827	-56.69	-13.00	43.69	321	191	Vertical
2987.5975	-56.68	-13.00	43.68	252	247	Vertical
14480.2592	-50.21	-13.00	37.21	262	138	Vertical
17999.4000	-44.62	-13.00	31.62	215	270	Vertical
40.4765	-64.61	-13.00	51.61	174	57	Horizontal
235.9898	-68.37	-13.00	55.37	185	245	Horizontal
995.7803	-55.48	-13.00	42.48	231	84	Horizontal
2998.7998	-56.61	-13.00	43.61	252	56	Horizontal
9570.8628	-54.82	-13.00	41.82	291	110	Horizontal
16379.3352	-47.22	-13.00	34.22	164	31	Horizontal

### 7.2.3. Test Channel = HCH

Frequency (MHz)	Level (dBm)	Limit Line (dBm)	Margin (dB)	Height [cm]	Angle [°]	Polarization
109.7380	-65.15	-13.00	52.15	258	245	Vertical
517.6434	-65.89	-13.00	52.89	296	324	Vertical
996.6533	-57.27	-13.00	44.27	274	352	Vertical
2991.9984	-56.71	-13.00	43.71	159	174	Vertical
14480.2592	-50.98	-13.00	37.98	196	352	Vertical
17999.4000	-46.09	-13.00	33.09	231	352	Vertical
43.6292	-64.19	-13.00	51.19	174	62	Horizontal
241.8101	-68.72	-13.00	55.72	185	314	Horizontal
996.4593	-56.47	-13.00	43.47	196	88	Horizontal
2701.1402	-56.12	-13.00	43.12	321	334	Horizontal
7488.1795	-58.29	-13.00	45.29	262	199	Horizontal
16388.9356	-48.60	-13.00	35.60	261	118	Horizontal

#### Remark:

- 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.
- 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.

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3 all modulation and all Bandwidth had been tested, but only the worst case data displayed in this report.



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## 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
Band17	10MHz	QPSK	23780	50RB#0	VL	NT	-1.80	-0.002539	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-8.00	-0.011283	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-4.20	-0.005924	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-0.60	-0.000845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-5.00	-0.007042	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-4.90	-0.006901	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	1.40	0.001969	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	-0.30	-0.000422	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	-5.30	-0.007454	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VL	NT	-2.40	-0.003385	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VN	NT	-3.20	-0.004513	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VH	NT	0.90	0.001269	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VL	NT	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VN	NT	2.00	0.002817	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VH	NT	3.80	0.005352	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VL	NT	-2.20	-0.003094	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VN	NT	-4.30	-0.006048	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VH	NT	2.40	0.003376	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	0.60	0.000846	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	-5.80	-0.008181	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	-6.20	-0.008745	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-0.50	-0.000704	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	2.10	0.002958	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	-3.20	-0.004507	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	-3.20	-0.004501	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	-2.30	-0.003235	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	0.00	0.000000	±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
Band17	10MHz	QPSK	23780	50RB#0	NV	-30	-4.50	-0.006347	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	-1.40	-0.001975	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	-6.30	-0.008886	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	-1.10	-0.001551	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	-6.00	-0.008463	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	-4.00	-0.005642	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	-2.10	-0.002962	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	-7.40	-0.010437	±2.5	PASS

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Band17	10MHz	QPSK	23790	50RB#0	NV	-30	-3.90	-0.005493	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-2.10	-0.002958	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	3.70	0.005211	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	10	-0.60	-0.000845	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	20	-4.70	-0.006620	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	1.80	0.002535	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	-1.30	-0.001831	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	1.50	0.002113	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-0.90	-0.001266	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	-3.50	-0.004923	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	1.60	0.002250	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	2.30	0.003235	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	0.30	0.000422	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	2.20	0.003094	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	-1.50	-0.002110	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	2.70	0.003797	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-30	0.00	0.000000	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-20	0.00	0.000000	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	0	-0.40	-0.000564	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	10	0.60	0.000846	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	20	-5.80	-0.008181	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	30	-6.50	-0.009168	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	40	-5.70	-0.008039	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	50	-6.40	-0.009027	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-30	-4.20	-0.005915	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-20	-1.40	-0.001972	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	0	0.10	0.000141	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	10	1.70	0.002394	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	20	3.20	0.004507	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	30	2.40	0.003380	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	40	-1.20	-0.001690	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	50	-1.00	-0.001408	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-30	-0.20	-0.000281	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-20	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	0	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	10	-4.70	-0.006610	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	20	-4.00	-0.005626	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	30	-2.50	-0.003516	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	40	-0.80	-0.001125	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	50	1.00	0.001406	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	-1.10	-0.001551	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	-1.30	-0.001834	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-1.30	-0.001834	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-1.50	-0.002116	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-1.70	-0.002398	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-2.30	-0.003244	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	-0.50	-0.000705	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	-4.20	-0.005924	±2.5	PASS

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Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-4.20	-0.005915	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-6.20	-0.008732	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	1.60	0.002254	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	-3.10	-0.004366	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	-0.40	-0.000563	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	1.90	0.002676	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-8.10	-0.011408	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	1.80	0.002535	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-30	-0.30	-0.000422	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	-0.60	-0.000844	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	-0.40	-0.000563	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	-2.60	-0.003657	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	20	-0.90	-0.001266	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	30	-0.70	-0.000985	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	-1.00	-0.001406	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-2.70	-0.003797	±2.5	PASS

The End

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