



# Appendix B

## E-UTRA Band 17



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## 1 Effective (Isotropic) Radiated Power

### 1.1. Test Result

#### ANT13:

Band	Bandwidth h	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.21	14.12	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.40	14.31	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.39	14.30	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.27	13.18	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.32	13.23	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.32	13.23	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.35	13.26	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.33	14.24	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.50	14.41	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.39	14.30	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.32	13.23	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.36	13.27	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.36	13.27	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.39	13.30	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.34	14.25	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.38	14.29	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.59	14.50	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.47	13.38	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.41	13.32	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.43	13.34	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.44	13.35	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	22.07	12.98	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.43	13.34	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.41	13.32	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.27	12.18	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.39	12.30	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.33	12.24	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.42	12.33	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.35	13.26	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.24	13.15	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.40	13.31	34.77	PASS



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Band17	5MHz	16QAM	23790	12RB#0	21.37	12.28	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.32	12.23	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.33	12.24	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.34	12.25	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#0	22.45	13.36	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.53	13.44	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.34	13.25	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.46	12.37	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.33	12.24	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.44	12.35	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.52	12.43	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.30	12.21	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.48	12.39	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.49	12.40	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.64	11.55	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.56	11.47	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.51	11.42	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.61	11.52	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.34	12.25	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.60	12.51	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.36	12.27	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.67	11.58	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.67	11.58	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.51	11.42	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.56	11.47	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.37	12.28	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.41	12.32	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.60	12.51	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.64	11.55	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.69	11.60	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.63	11.54	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.64	11.55	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	23.33	14.24	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.47	14.38	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.48	14.39	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	22.29	13.20	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.39	13.30	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.41	13.32	34.77	PASS



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Band17	10MHz	QPSK	23780	50RB#0	22.33	13.24	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.26	14.17	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.42	14.33	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.58	14.49	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#0	22.22	13.13	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.43	13.34	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.35	13.26	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.38	13.29	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.39	14.30	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.32	14.23	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.52	14.43	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.32	13.23	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.41	13.32	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.37	13.28	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.42	13.33	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.29	13.20	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.49	13.40	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.54	13.45	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.21	12.12	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.37	12.28	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.43	12.34	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.32	12.23	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.33	13.24	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.40	13.31	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.51	13.42	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.27	12.18	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.35	12.26	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.36	12.27	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.26	12.17	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.22	13.13	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.28	13.19	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.35	13.26	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.24	12.15	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.35	12.26	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.42	12.33	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.29	12.20	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.32	12.23	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.51	12.42	34.77	PASS



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Band17	10MHz	64QAM	23780	1RB#49	21.49	12.40	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.46	11.37	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.73	11.64	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.74	11.65	34.77	PASS
Band17	10MHz	64QAM	23780	50RB#0	20.55	11.46	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.24	12.15	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.48	12.39	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.55	12.46	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.42	11.33	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.82	11.73	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.64	11.55	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.77	11.68	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.41	12.32	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.38	12.29	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.61	12.52	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.70	11.61	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.60	11.51	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.75	11.66	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.74	11.65	34.77	PASS



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**ANT41:**

Band	Bandwidth	Modulation	Channel	RB Config.	Result (dBm)	ERP (dBm)	Limit (dBm)	Verdict
Band17	5MHz	QPSK	23755	1RB#0	23.05	15.78	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#12	23.06	15.79	34.77	PASS
Band17	5MHz	QPSK	23755	1RB#24	23.19	15.92	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#0	22.03	14.76	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#6	22.12	14.85	34.77	PASS
Band17	5MHz	QPSK	23755	12RB#13	22.09	14.82	34.77	PASS
Band17	5MHz	QPSK	23755	25RB#0	22.12	14.85	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#0	23.06	15.79	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#12	23.20	15.93	34.77	PASS
Band17	5MHz	QPSK	23790	1RB#24	23.35	16.08	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#0	22.13	14.86	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#6	22.14	14.87	34.77	PASS
Band17	5MHz	QPSK	23790	12RB#13	22.14	14.87	34.77	PASS
Band17	5MHz	QPSK	23790	25RB#0	22.16	14.89	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#0	23.17	15.90	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#12	23.29	16.02	34.77	PASS
Band17	5MHz	QPSK	23825	1RB#24	23.40	16.13	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#0	22.27	15.00	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#6	22.21	14.94	34.77	PASS
Band17	5MHz	QPSK	23825	12RB#13	22.21	14.94	34.77	PASS
Band17	5MHz	QPSK	23825	25RB#0	22.28	15.01	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#0	21.99	14.72	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#12	22.34	15.07	34.77	PASS
Band17	5MHz	16QAM	23755	1RB#24	22.47	15.20	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#0	21.04	13.77	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#6	21.05	13.78	34.77	PASS
Band17	5MHz	16QAM	23755	12RB#13	21.05	13.78	34.77	PASS
Band17	5MHz	16QAM	23755	25RB#0	21.10	13.83	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#0	22.37	15.10	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#12	22.57	15.30	34.77	PASS
Band17	5MHz	16QAM	23790	1RB#24	22.52	15.25	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#0	21.10	13.83	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#6	21.17	13.90	34.77	PASS
Band17	5MHz	16QAM	23790	12RB#13	21.11	13.84	34.77	PASS
Band17	5MHz	16QAM	23790	25RB#0	21.16	13.89	34.77	PASS



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Band17	5MHz	16QAM	23825	1RB#0	22.39	15.12	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#12	22.61	15.34	34.77	PASS
Band17	5MHz	16QAM	23825	1RB#24	22.69	15.42	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#0	21.20	13.93	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#6	21.14	13.87	34.77	PASS
Band17	5MHz	16QAM	23825	12RB#13	21.28	14.01	34.77	PASS
Band17	5MHz	16QAM	23825	25RB#0	21.31	14.04	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#0	21.47	14.20	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#12	21.52	14.25	34.77	PASS
Band17	5MHz	64QAM	23755	1RB#24	21.67	14.40	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#0	20.65	13.38	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#6	20.65	13.38	34.77	PASS
Band17	5MHz	64QAM	23755	12RB#13	20.72	13.45	34.77	PASS
Band17	5MHz	64QAM	23755	25RB#0	20.80	13.53	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#0	21.65	14.38	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#12	21.64	14.37	34.77	PASS
Band17	5MHz	64QAM	23790	1RB#24	21.55	14.28	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#0	20.57	13.30	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#6	20.55	13.28	34.77	PASS
Band17	5MHz	64QAM	23790	12RB#13	20.66	13.39	34.77	PASS
Band17	5MHz	64QAM	23790	25RB#0	20.65	13.38	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#0	21.67	14.40	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#12	21.57	14.30	34.77	PASS
Band17	5MHz	64QAM	23825	1RB#24	21.54	14.27	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#0	20.63	13.36	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#6	20.71	13.44	34.77	PASS
Band17	5MHz	64QAM	23825	12RB#13	20.70	13.43	34.77	PASS
Band17	5MHz	64QAM	23825	25RB#0	20.70	13.43	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#0	22.98	15.71	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#24	23.15	15.88	34.77	PASS
Band17	10MHz	QPSK	23780	1RB#49	23.27	16.00	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#0	21.99	14.72	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#12	22.15	14.88	34.77	PASS
Band17	10MHz	QPSK	23780	25RB#25	22.16	14.89	34.77	PASS
Band17	10MHz	QPSK	23780	50RB#0	22.20	14.93	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#0	23.08	15.81	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#24	23.09	15.82	34.77	PASS
Band17	10MHz	QPSK	23790	1RB#49	23.37	16.10	34.77	PASS



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Band17	10MHz	QPSK	23790	25RB#0	22.08	14.81	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#12	22.16	14.89	34.77	PASS
Band17	10MHz	QPSK	23790	25RB#25	22.19	14.92	34.77	PASS
Band17	10MHz	QPSK	23790	50RB#0	22.12	14.85	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#0	23.07	15.80	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#24	23.17	15.90	34.77	PASS
Band17	10MHz	QPSK	23800	1RB#49	23.30	16.03	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#0	22.08	14.81	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#12	22.19	14.92	34.77	PASS
Band17	10MHz	QPSK	23800	25RB#25	22.14	14.87	34.77	PASS
Band17	10MHz	QPSK	23800	50RB#0	22.21	14.94	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#0	22.43	15.16	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#24	22.61	15.34	34.77	PASS
Band17	10MHz	16QAM	23780	1RB#49	22.10	14.83	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#0	21.04	13.77	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#12	21.22	13.95	34.77	PASS
Band17	10MHz	16QAM	23780	25RB#25	21.22	13.95	34.77	PASS
Band17	10MHz	16QAM	23780	50RB#0	21.21	13.94	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#0	22.48	15.21	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#24	22.29	15.02	34.77	PASS
Band17	10MHz	16QAM	23790	1RB#49	22.27	15.00	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#0	21.00	13.73	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#12	21.19	13.92	34.77	PASS
Band17	10MHz	16QAM	23790	25RB#25	21.06	13.79	34.77	PASS
Band17	10MHz	16QAM	23790	50RB#0	21.13	13.86	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#0	22.04	14.77	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#24	22.32	15.05	34.77	PASS
Band17	10MHz	16QAM	23800	1RB#49	22.60	15.33	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#0	21.11	13.84	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#12	21.14	13.87	34.77	PASS
Band17	10MHz	16QAM	23800	25RB#25	21.22	13.95	34.77	PASS
Band17	10MHz	16QAM	23800	50RB#0	21.20	13.93	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#0	21.54	14.27	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#24	21.60	14.33	34.77	PASS
Band17	10MHz	64QAM	23780	1RB#49	21.67	14.40	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#0	20.57	13.30	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#12	20.70	13.43	34.77	PASS
Band17	10MHz	64QAM	23780	25RB#25	20.63	13.36	34.77	PASS



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Band17	10MHz	64QAM	23780	50RB#0	20.70	13.43	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#0	21.58	14.31	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#24	21.54	14.27	34.77	PASS
Band17	10MHz	64QAM	23790	1RB#49	21.61	14.34	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#0	20.57	13.30	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#12	20.64	13.37	34.77	PASS
Band17	10MHz	64QAM	23790	25RB#25	20.72	13.45	34.77	PASS
Band17	10MHz	64QAM	23790	50RB#0	20.66	13.39	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#0	21.60	14.33	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#24	21.65	14.38	34.77	PASS
Band17	10MHz	64QAM	23800	1RB#49	21.58	14.31	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#0	20.53	13.26	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#12	20.69	13.42	34.77	PASS
Band17	10MHz	64QAM	23800	25RB#25	20.73	13.46	34.77	PASS
Band17	10MHz	64QAM	23800	50RB#0	20.78	13.51	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]

The conducted Power is measured by Base Station Simulator



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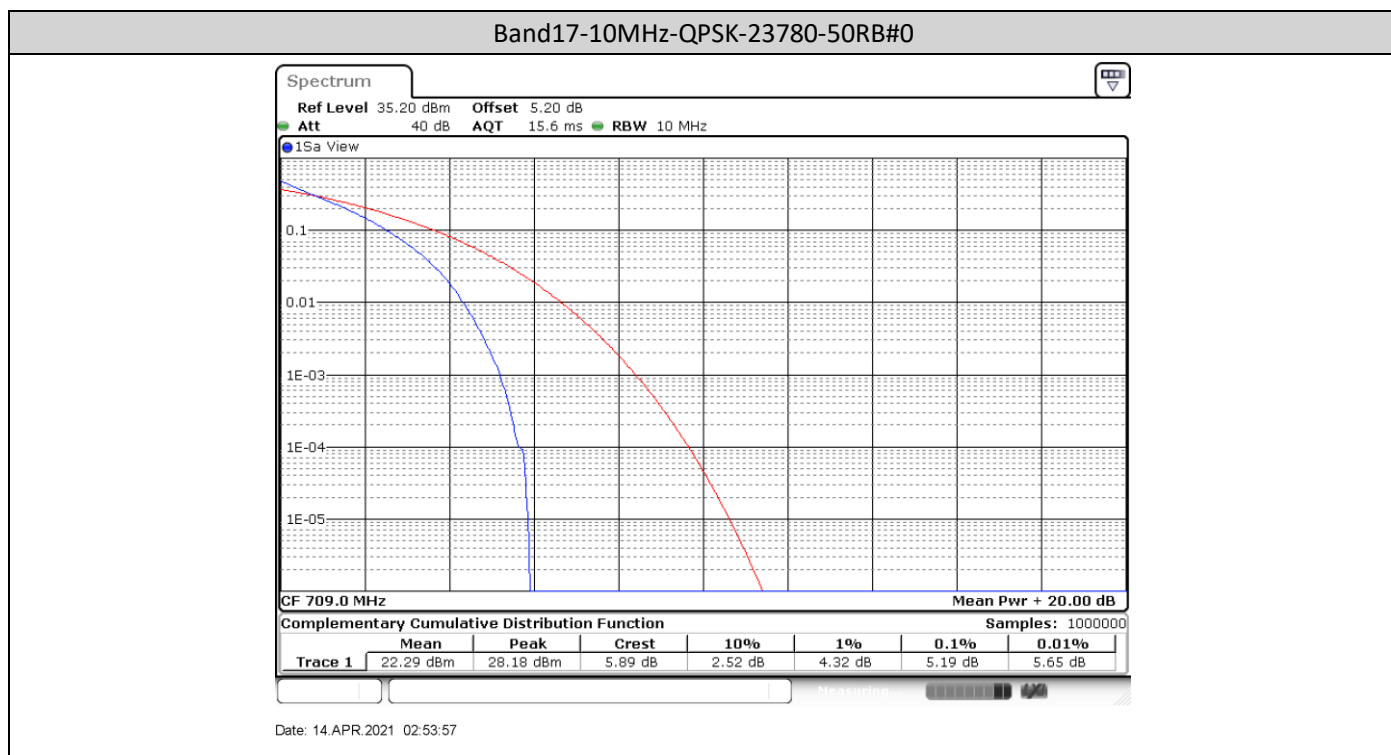


## 2. Peak-to-Average Ratio (CCDF)

### 2.1. Test Result

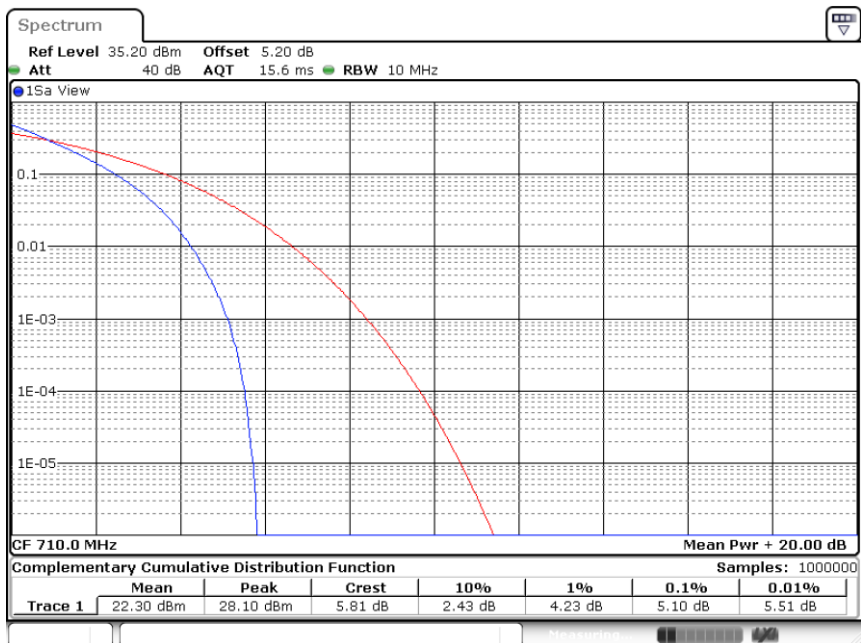
Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band17	10MHz	QPSK	23780	50RB#0	5.19	13	PASS
Band17	10MHz	QPSK	23790	50RB#0	5.10	13	PASS
Band17	10MHz	QPSK	23800	50RB#0	4.96	13	PASS
Band17	10MHz	64QAM	23780	50RB#0	6.29	13	PASS
Band17	10MHz	64QAM	23790	50RB#0	6.29	13	PASS
Band17	10MHz	64QAM	23800	50RB#0	6.29	13	PASS
Band17	10MHz	16QAM	23780	50RB#0	5.86	13	PASS
Band17	10MHz	16QAM	23790	50RB#0	5.86	13	PASS
Band17	10MHz	16QAM	23800	50RB#0	5.83	13	PASS

### 2.2. Test Plots



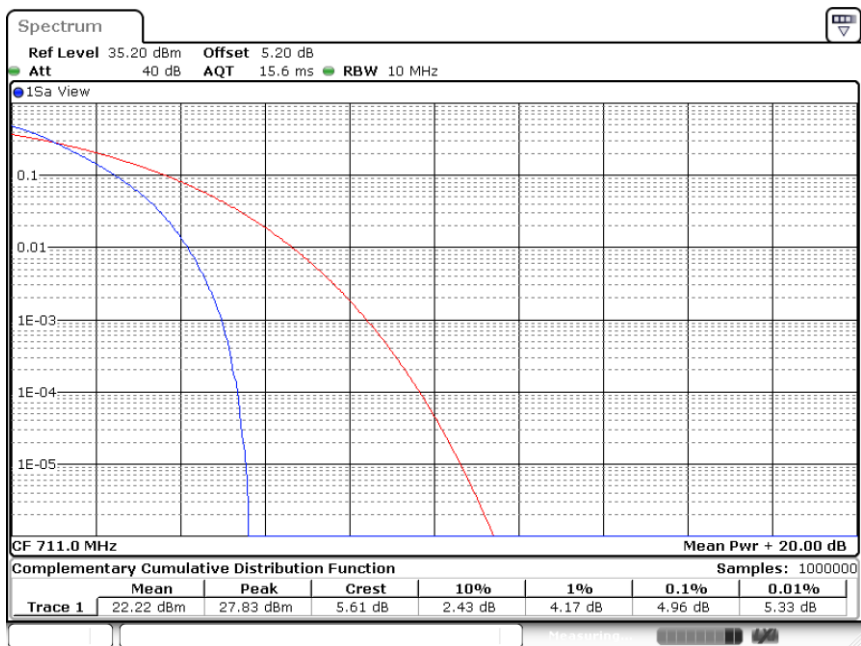


**Band17-10MHz-QPSK-23790-50RB#0**



Date: 14 APR 2021 02:54:20

**Band17-10MHz-QPSK-23800-50RB#0**



Date: 14 APR 2021 02:54:43



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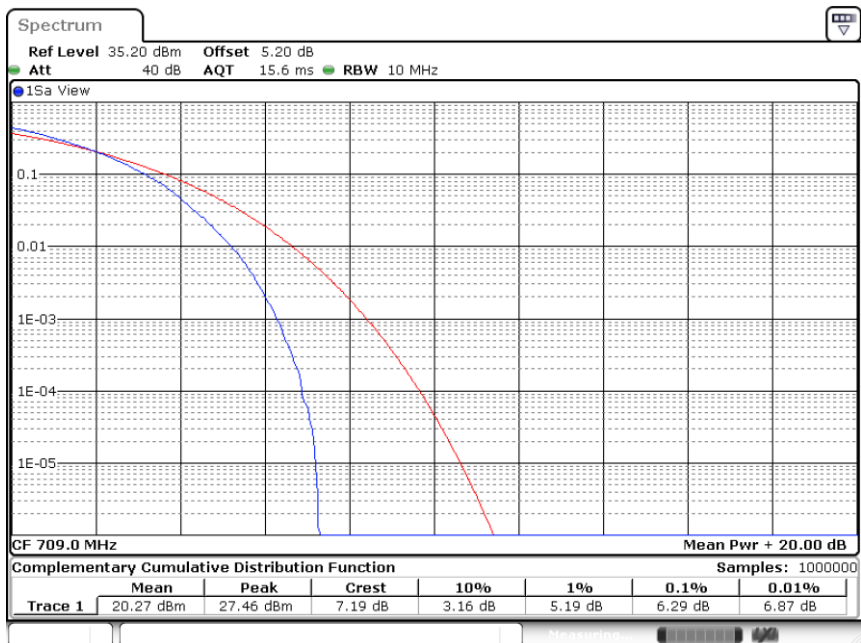
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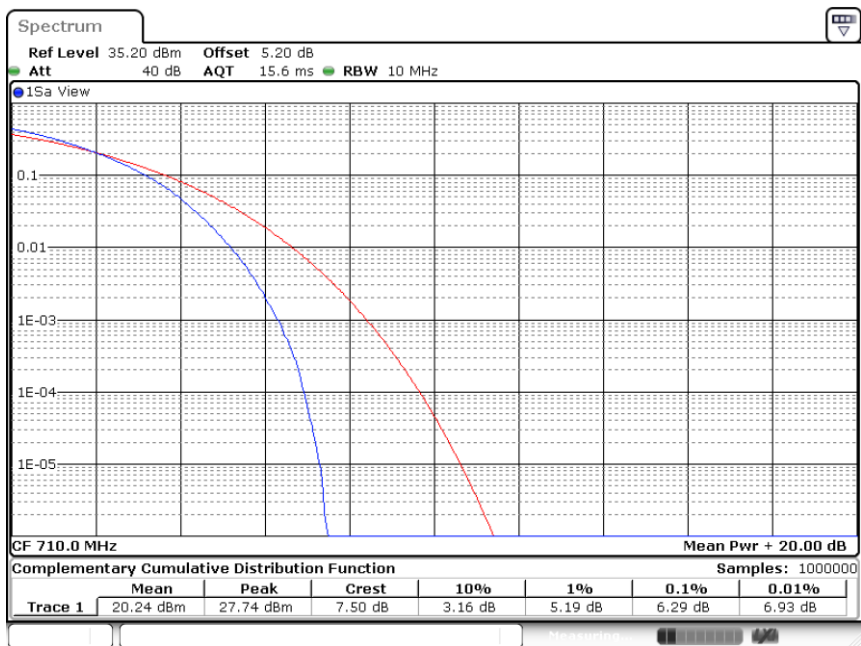
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**Band17-10MHz-64QAM-23780-50RB#0**



Date: 14 APR 2021 03:17:42

**Band17-10MHz-64QAM-23790-50RB#0**



Date: 14 APR 2021 03:17:54



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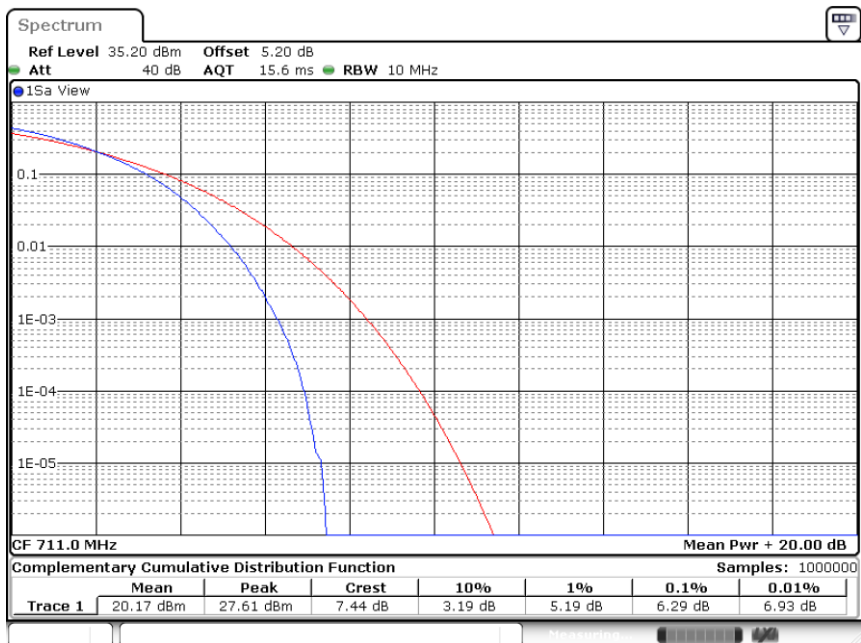
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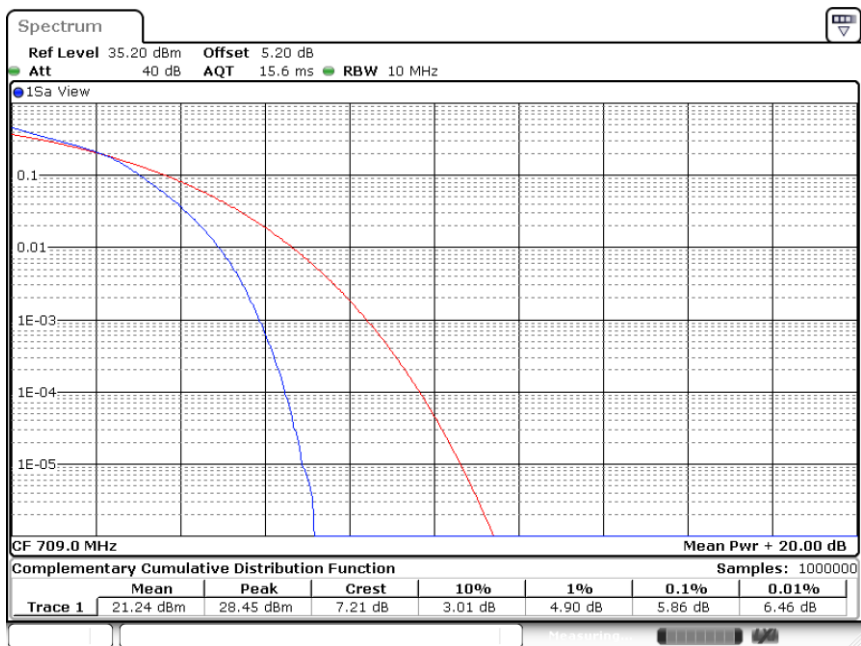


Band17-10MHz-64QAM-23800-50RB#0



Date: 14 APR 2021 03:18:05

Band17-10MHz-16QAM-23780-50RB#0



Date: 14 APR 2021 02:54:08



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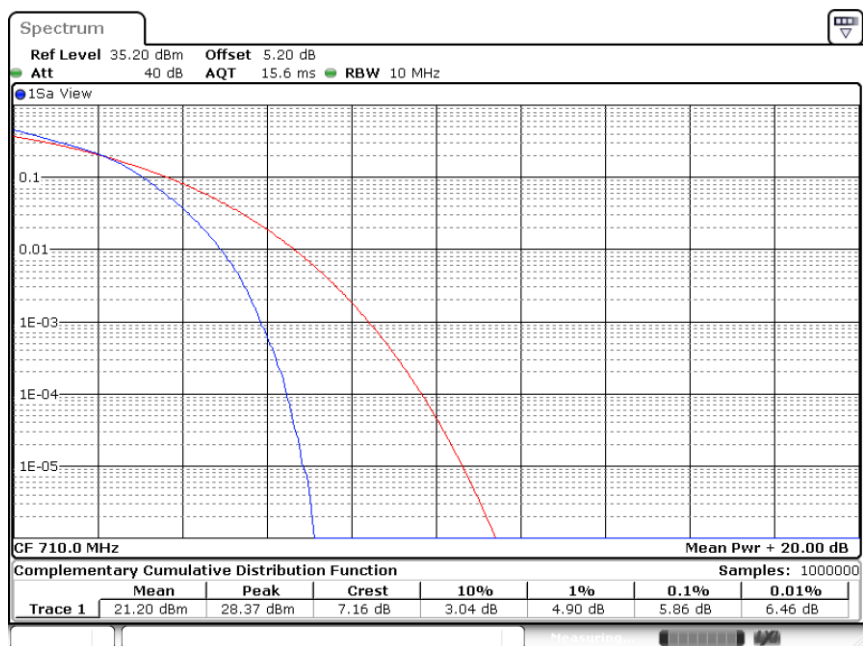
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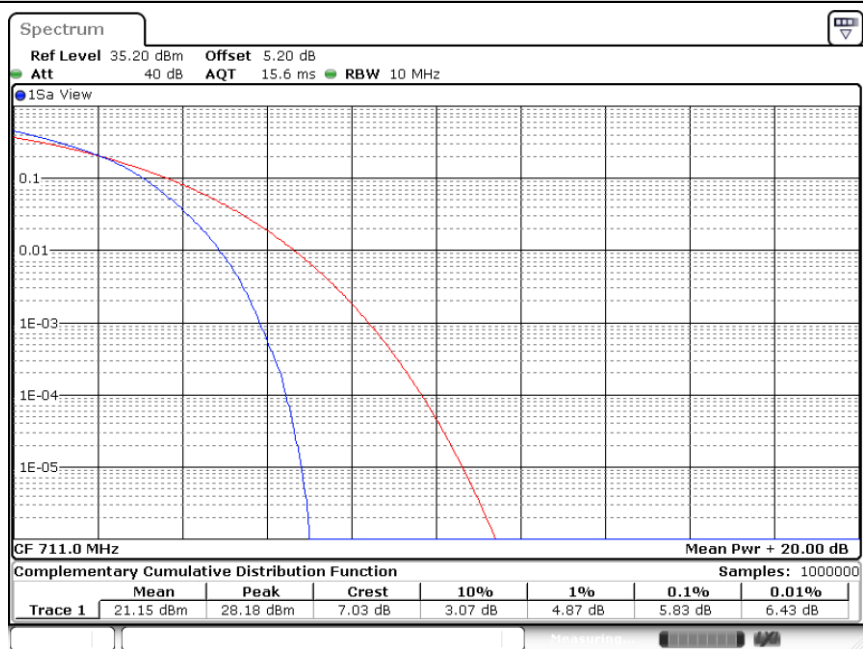


Band17-10MHz-16QAM-23790-50RB#0



Date: 14 APR 2021 02:54:31

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



Date: 14 APR 2021 02:54:54

Remark: all modulation and all Bandwidth had been tested, but only the worst configuration was displayed in this report.



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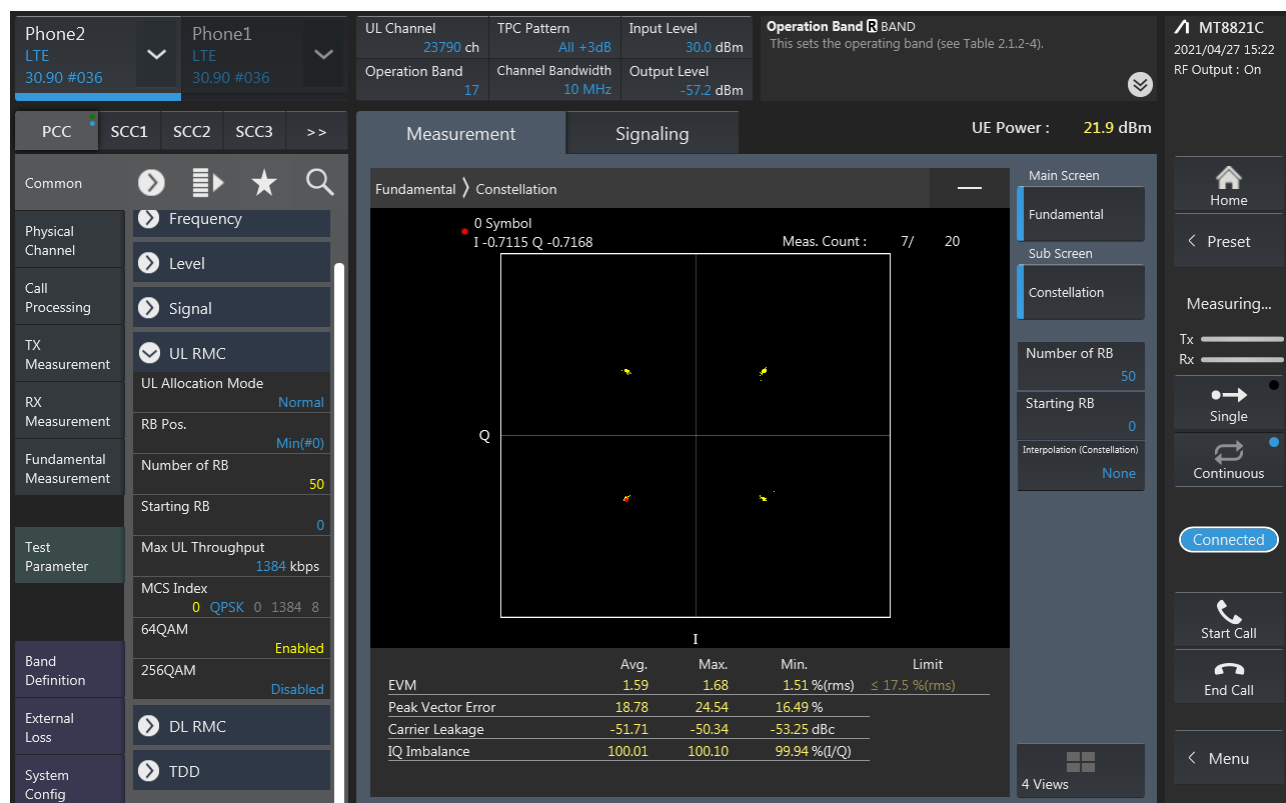
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### 3. Modulation Characteristics

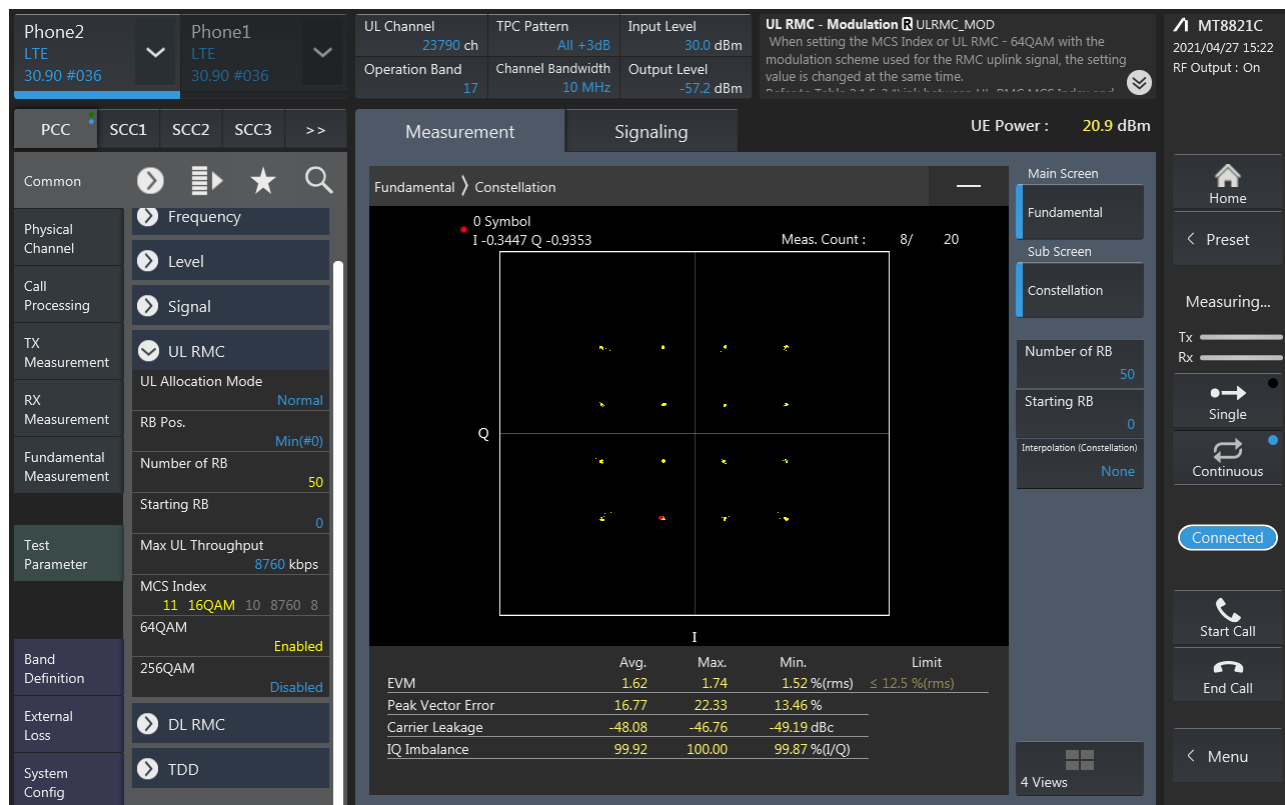
#### 3.1. Test Mode = LTE /TM1 10MHz

##### 3.1.1. Test Channel = MCH



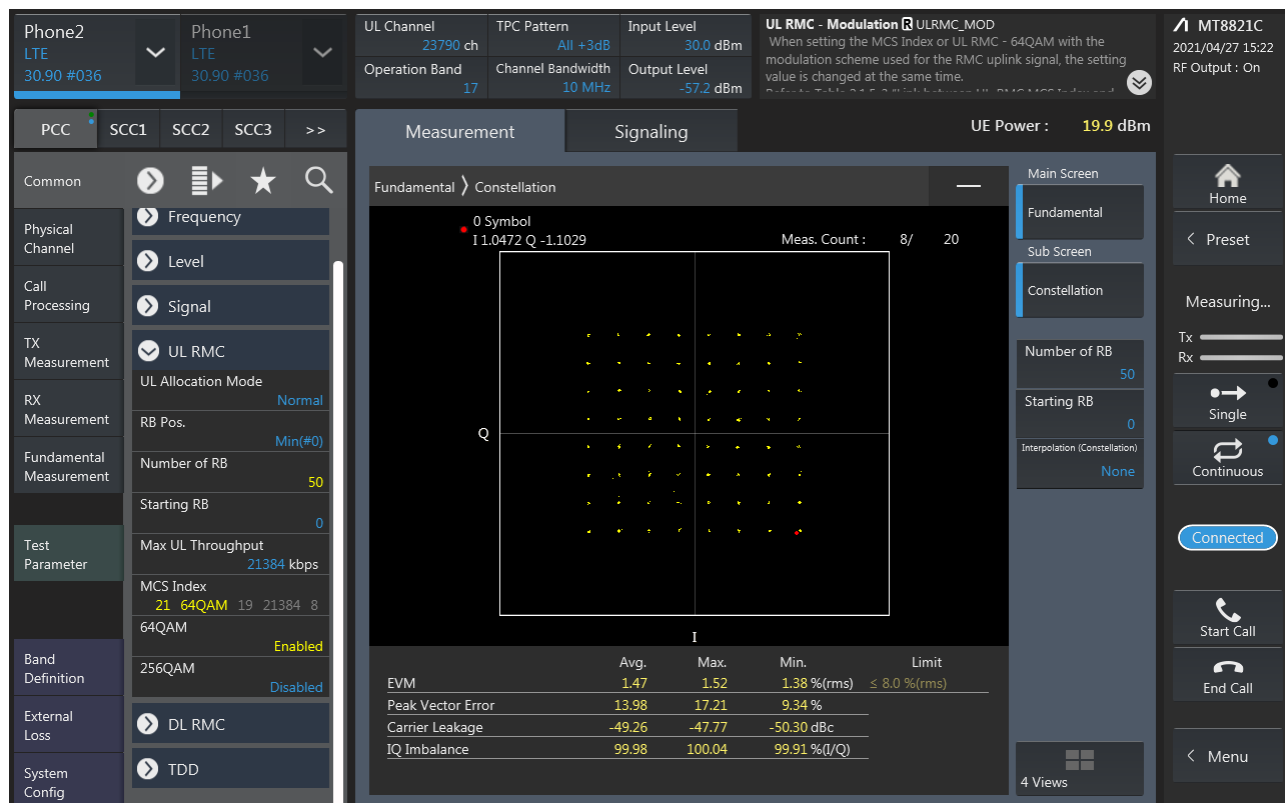
## 3.2. Test Mode = LTE /TM2 10MHz

### 3.2.1. Test Channel = MCH



### 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	4.850	PASS
Band17	5MHz	QPSK	23790	25RB#0	4.476	4.860	PASS
Band17	5MHz	QPSK	23825	25RB#0	4.476	4.840	PASS
Band17	5MHz	64QAM	23755	25RB#0	4.466	4.850	PASS
Band17	5MHz	64QAM	23790	25RB#0	4.476	4.900	PASS
Band17	5MHz	64QAM	23825	25RB#0	4.476	4.870	PASS
Band17	5MHz	16QAM	23755	25RB#0	4.486	4.860	PASS
Band17	5MHz	16QAM	23790	25RB#0	4.476	4.930	PASS
Band17	5MHz	16QAM	23825	25RB#0	4.486	4.930	PASS
Band17	10MHz	QPSK	23780	50RB#0	8.951	9.660	PASS
Band17	10MHz	QPSK	23790	50RB#0	8.931	9.680	PASS
Band17	10MHz	QPSK	23800	50RB#0	8.931	9.660	PASS
Band17	10MHz	64QAM	23780	50RB#0	8.931	9.640	PASS
Band17	10MHz	64QAM	23790	50RB#0	8.951	9.620	PASS
Band17	10MHz	64QAM	23800	50RB#0	8.951	9.640	PASS
Band17	10MHz	16QAM	23780	50RB#0	8.951	9.620	PASS
Band17	10MHz	16QAM	23790	50RB#0	8.951	9.660	PASS
Band17	10MHz	16QAM	23800	50RB#0	8.951	9.640	PASS

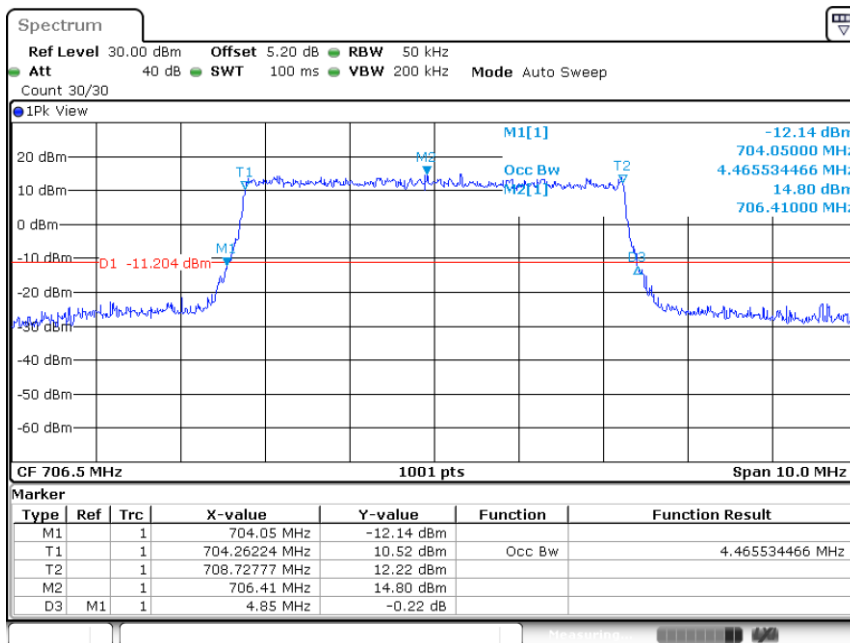






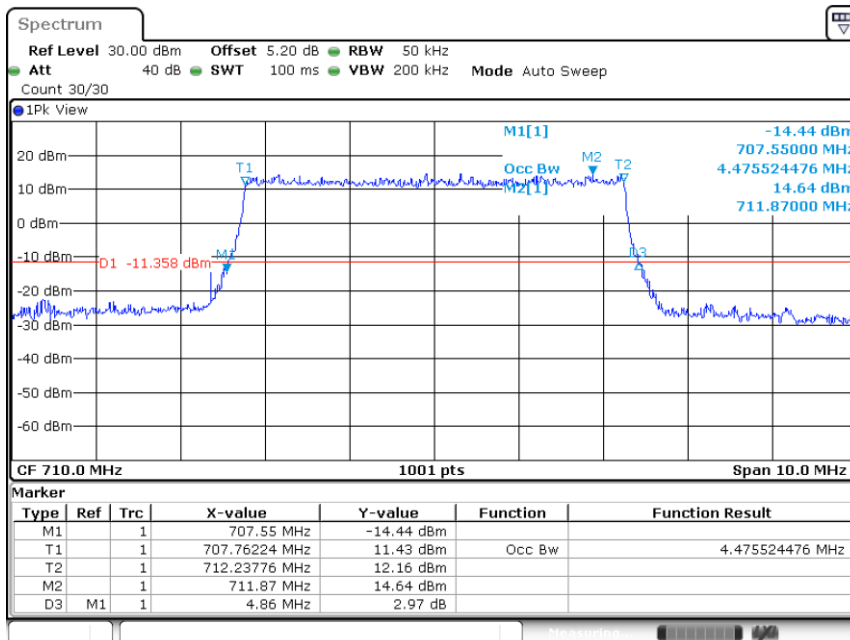
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Band17-5MHz-QPSK-23755-25RB#0-4.466



Date: 14 APR 2021 02:47:28

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



Date: 14 APR 2021 02:47:54



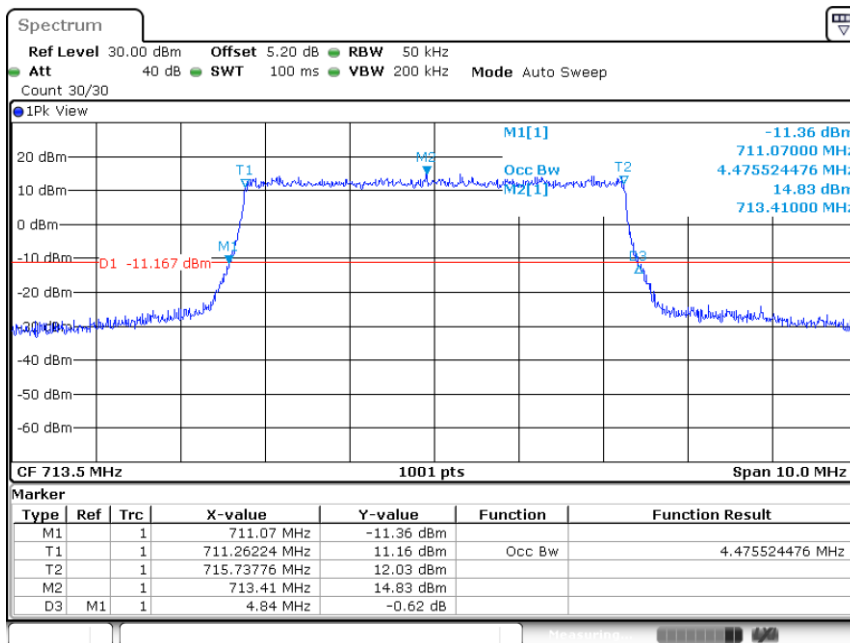
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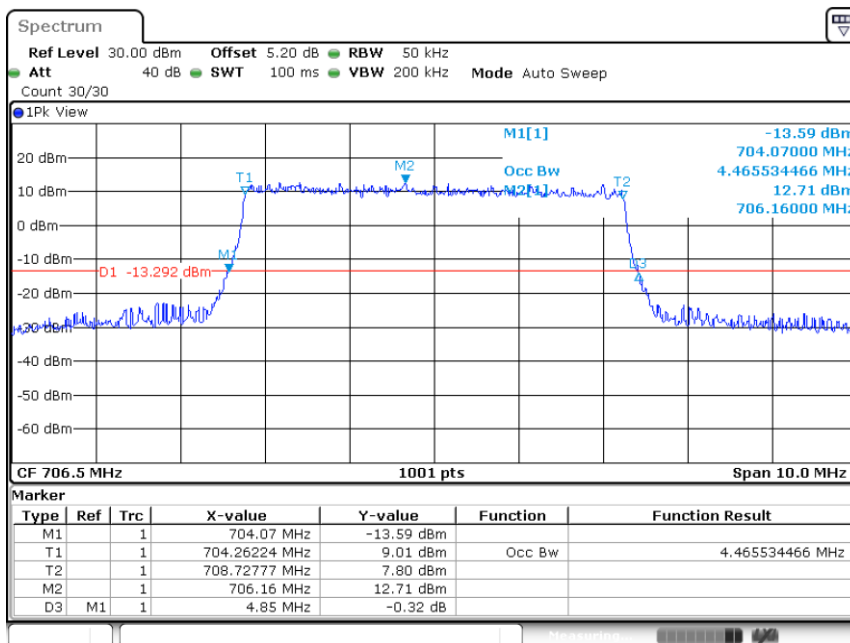


Band17-5MHz-QPSK-23825-25RB#0-4.476



Date: 14.APR.2021 02:48:20

Band17-5MHz-64QAM-23755-25RB#0-4.466



Date: 14.APR.2021 03:14:25



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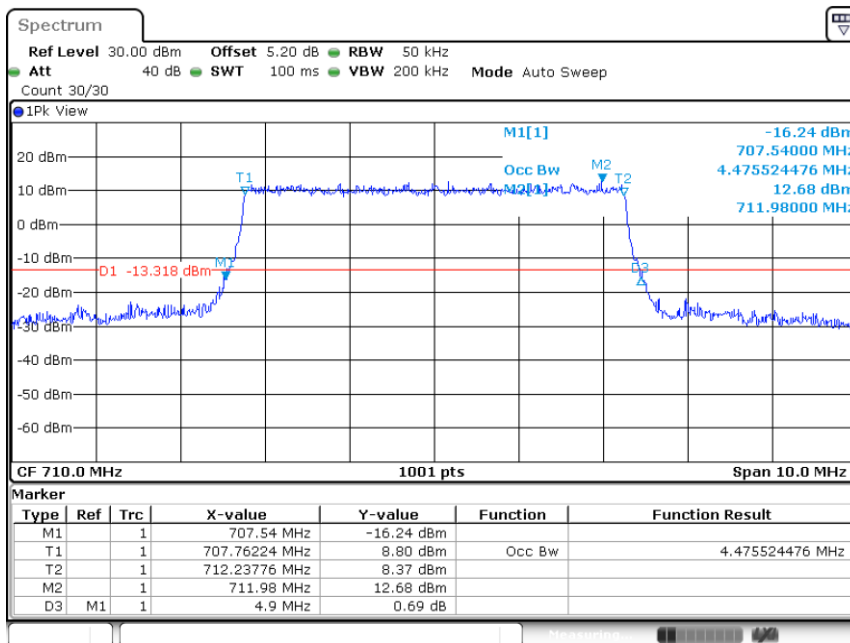
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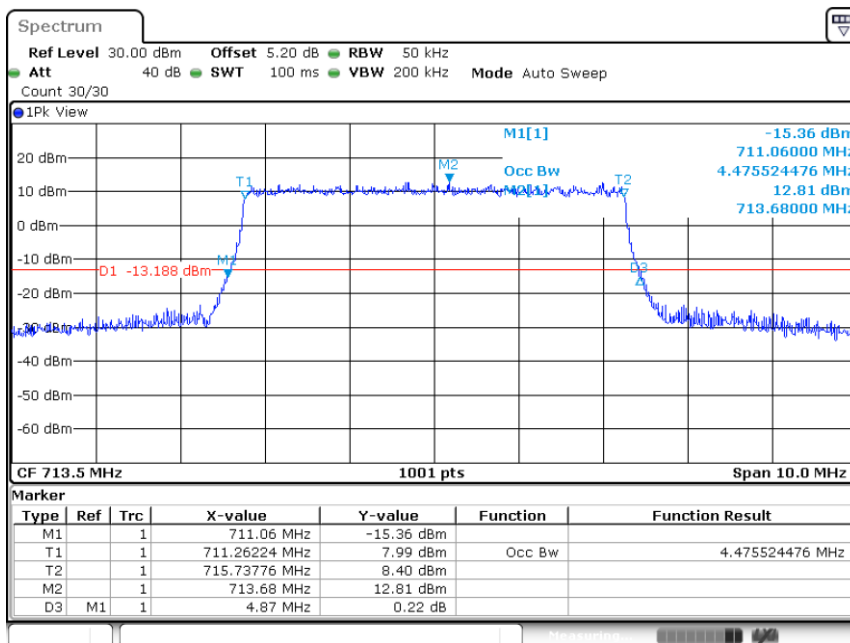


Band17-5MHz-64QAM-23790-25RB#0-4.476



Date: 14 APR 2021 03:14:38

Band17-5MHz-64QAM-23825-25RB#0-4.476



Date: 14 APR 2021 03:14:51

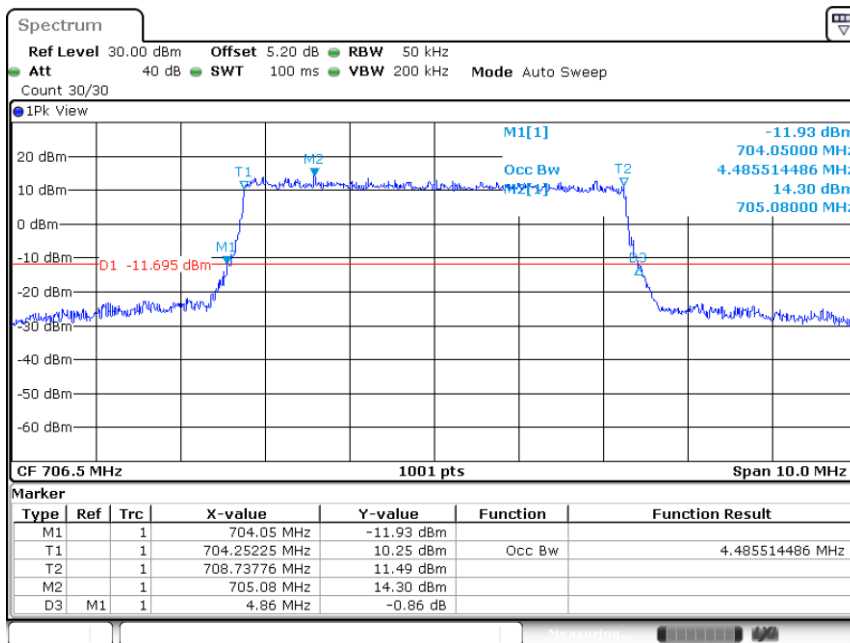


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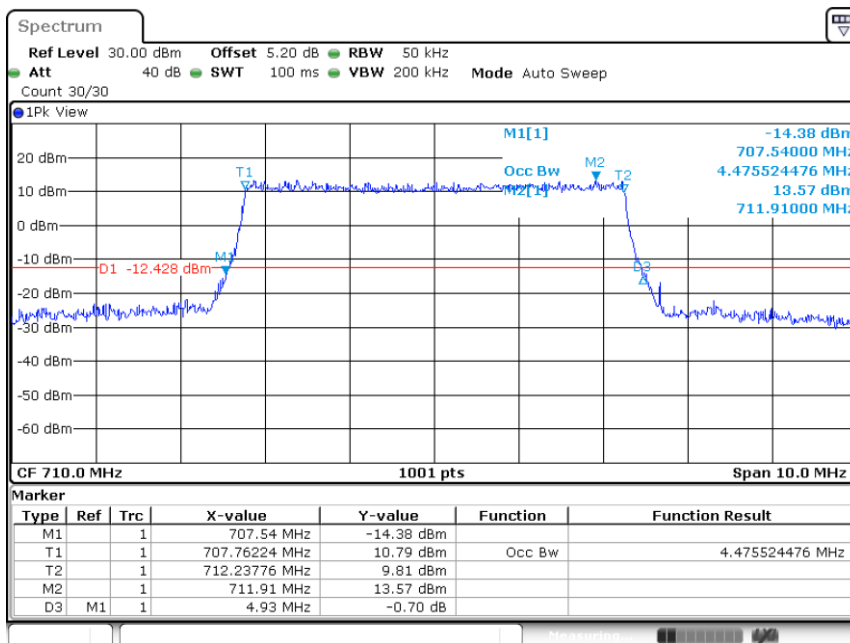


Band17-5MHz-16QAM-23755-25RB#0-4.486



Date: 14 APR 2021 02:47:41

Band17-5MHz-16QAM-23790-25RB#0-4.476



Date: 14 APR 2021 02:48:07



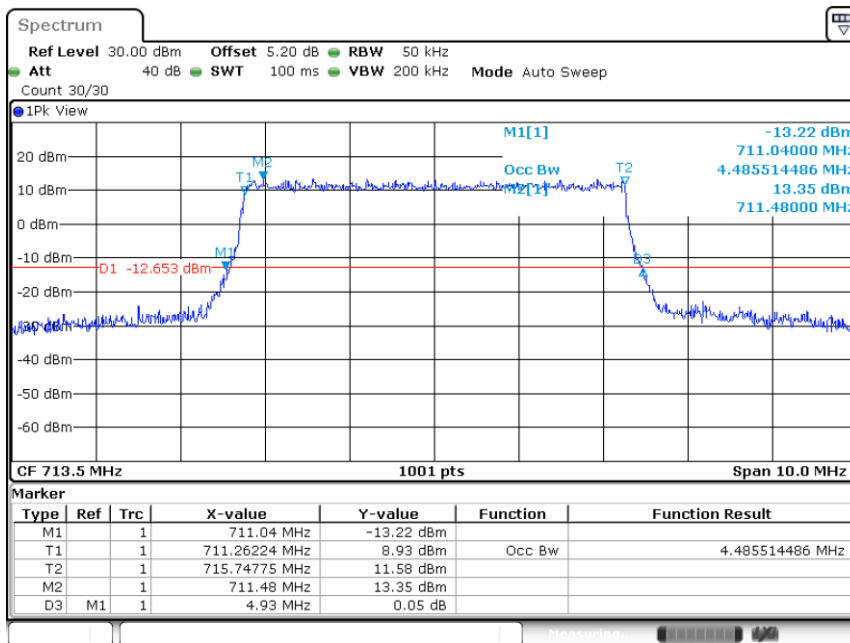
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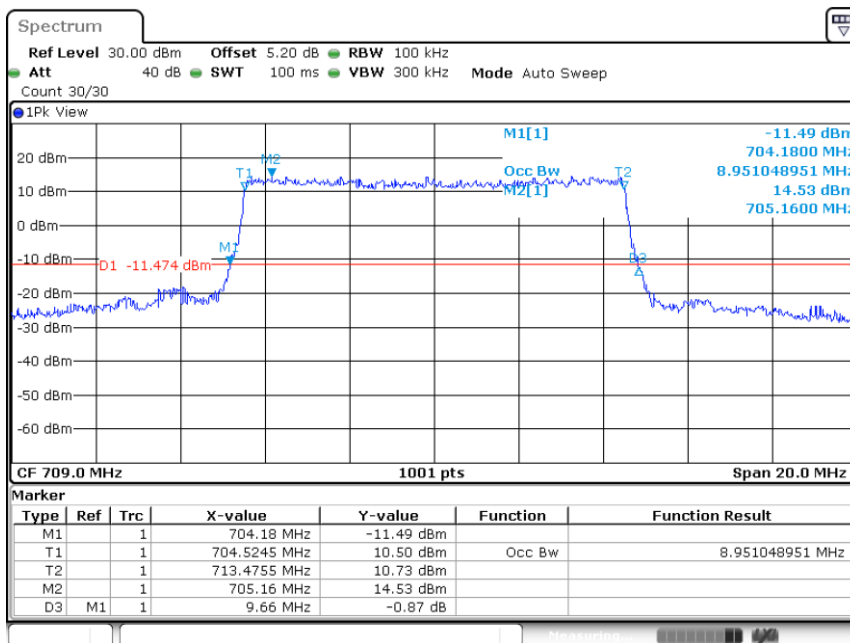


Band17-5MHz-16QAM-23825-25RB#0-4.486



Date: 14 APR 2021 02:48:33

Band17-10MHz-QPSK-23780-50RB#0-8.951



Date: 14 APR 2021 02:48:51



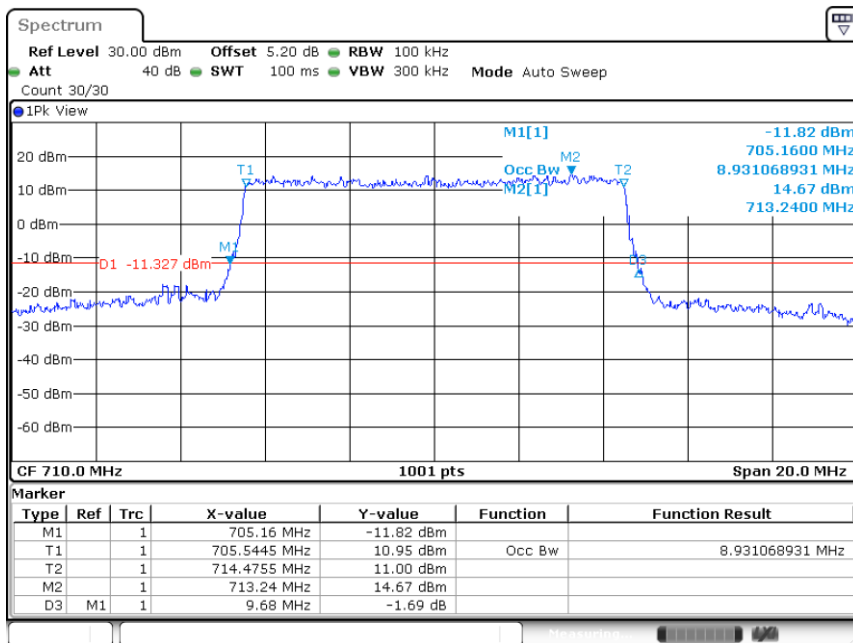
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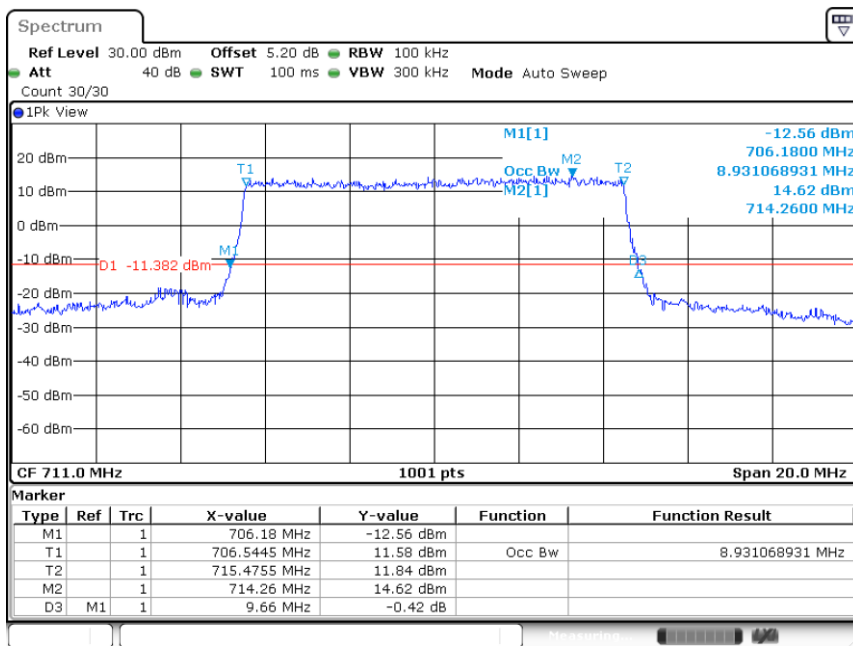
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## Band17-10MHz-QPSK-23790-50RB#0-8.931



Date: 14 APR 2021 02:49:17

## Band17-10MHz-QPSK-23800-50RB#0-8.931

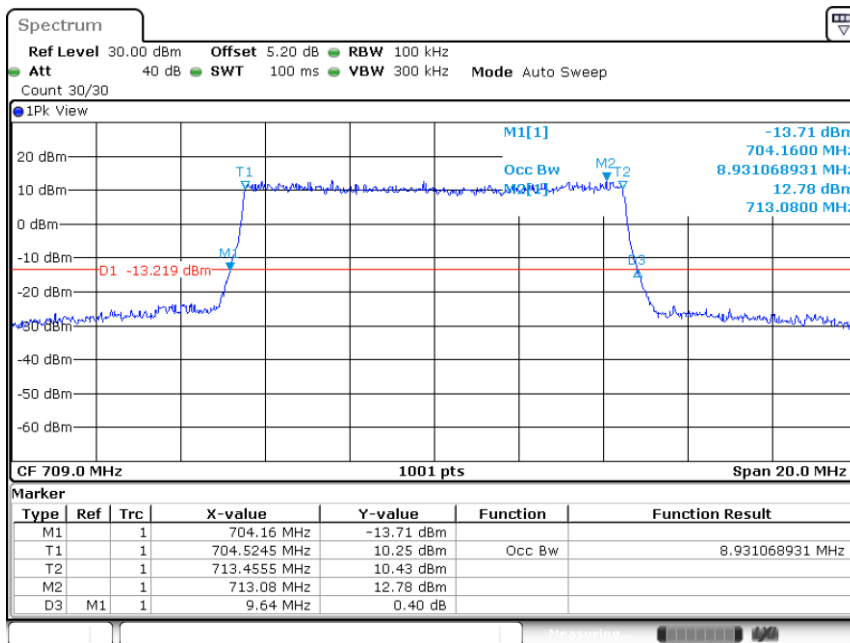


Date: 14 APR 2021 02:49:50



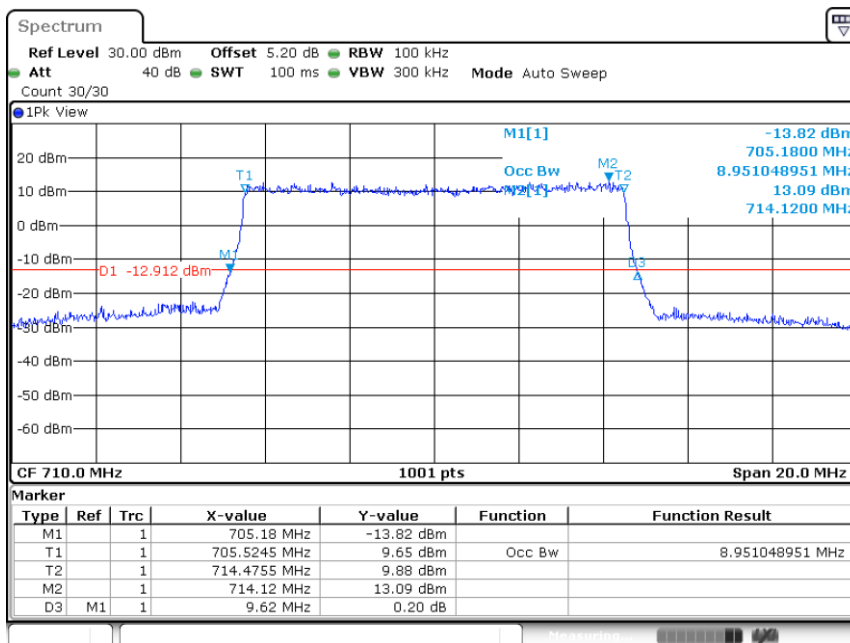


Band17-10MHz-64QAM-23780-50RB#0-8.931



Date: 14 APR 2021 03:15:09

Band17-10MHz-64QAM-23790-50RB#0-8.951



Date: 14 APR 2021 03:15:22



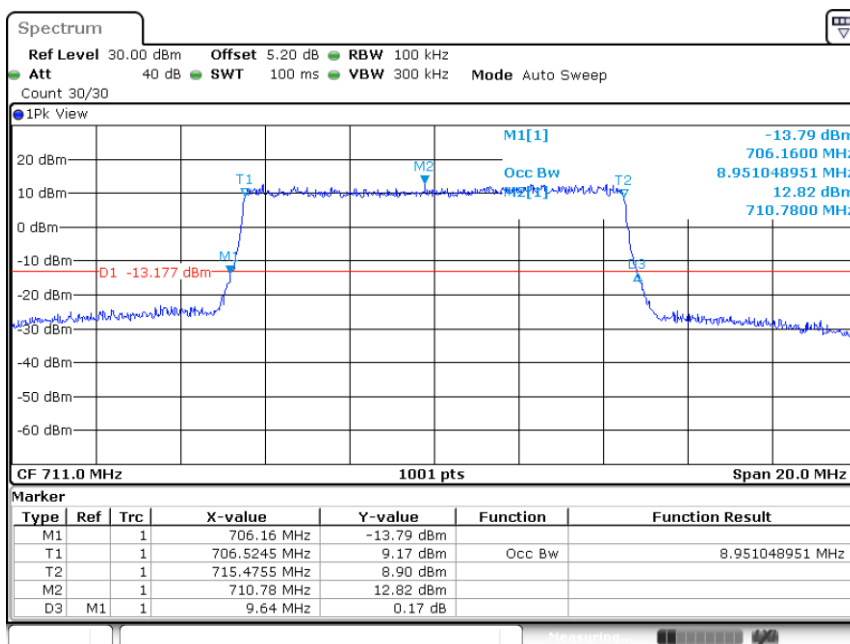
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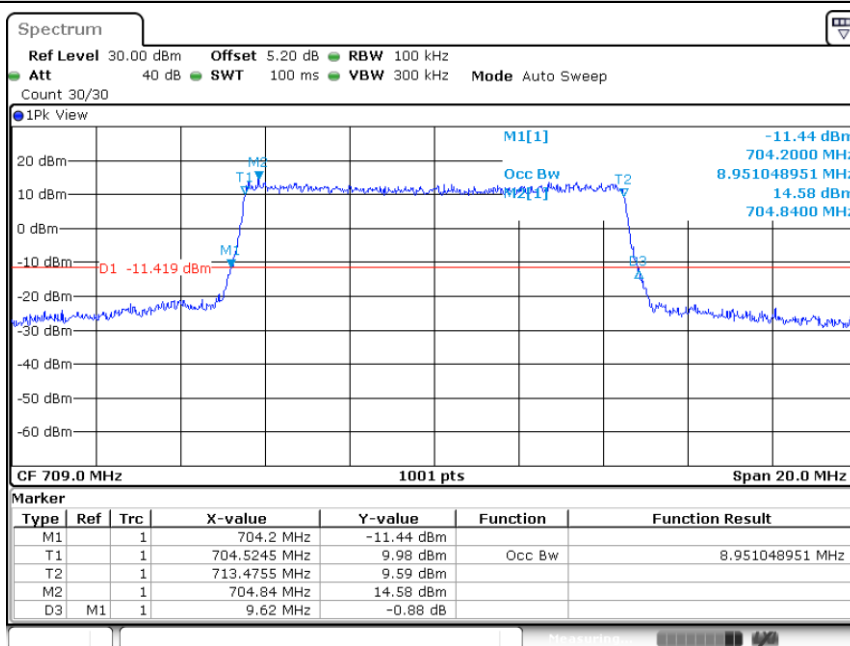


Band17-10MHz-64QAM-23800-50RB#0-8.951



Date: 14 APR 2021 03:15:35

Band17-10MHz-16QAM-23780-50RB#0-8.951



Date: 14 APR 2021 02:49:04

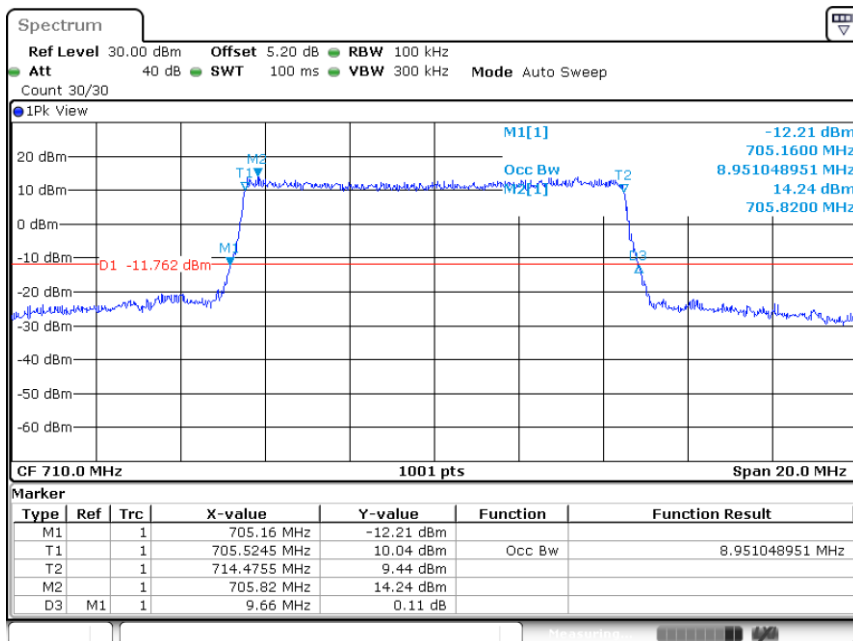


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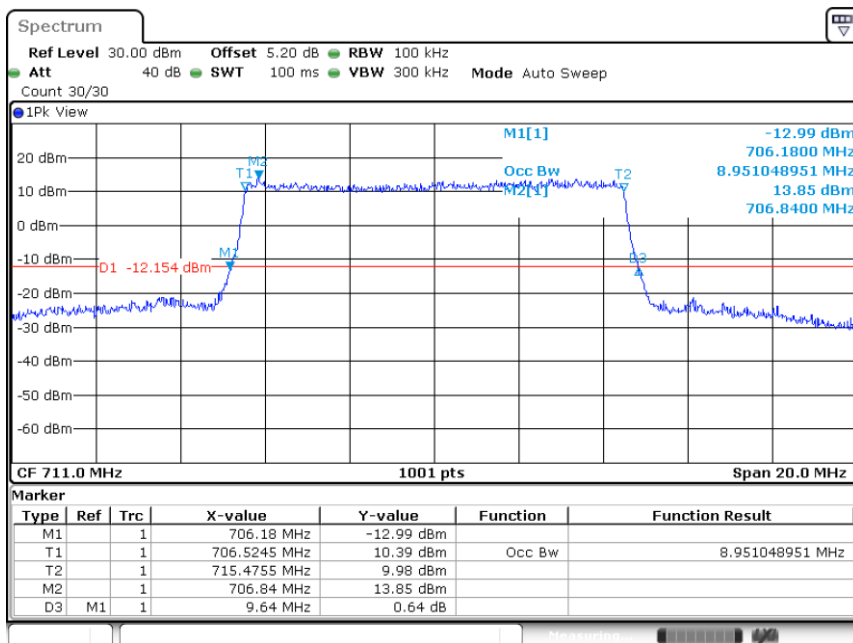


## Band17-10MHz-16QAM-23790-50RB#0-8.951



Date: 14 APR 2021 02:49:31

## Band17-10MHz-16QAM-23800-50RB#0-8.951



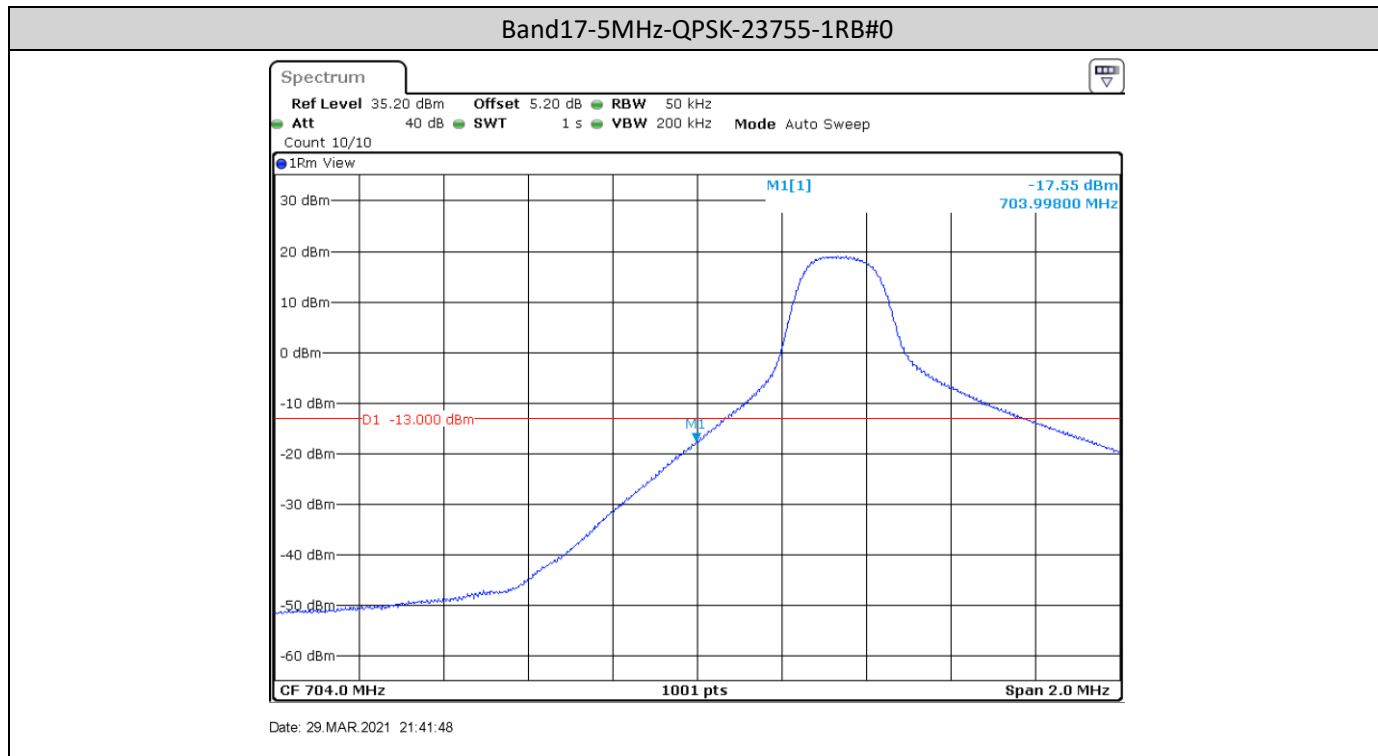
Date: 14 APR 2021 02:50:03





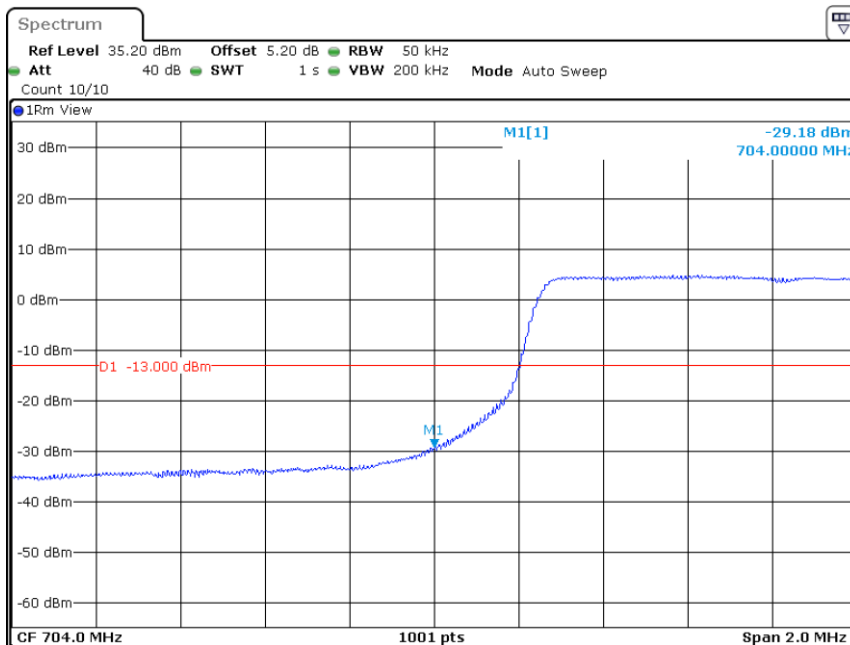
## 5. Band Edge Compliance

### 5.1. Test Plots



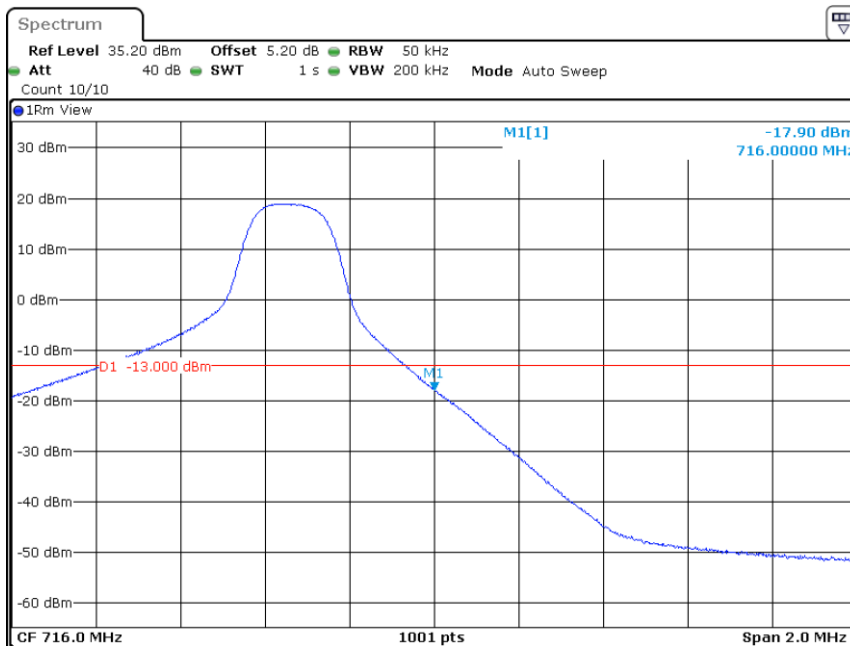


Band17-5MHz-QPSK-23755-25RB#0



Date: 29.MAR.2021 21:42:29

Band17-5MHz-QPSK-23825-1RB#24



Date: 29.MAR.2021 21:43:16

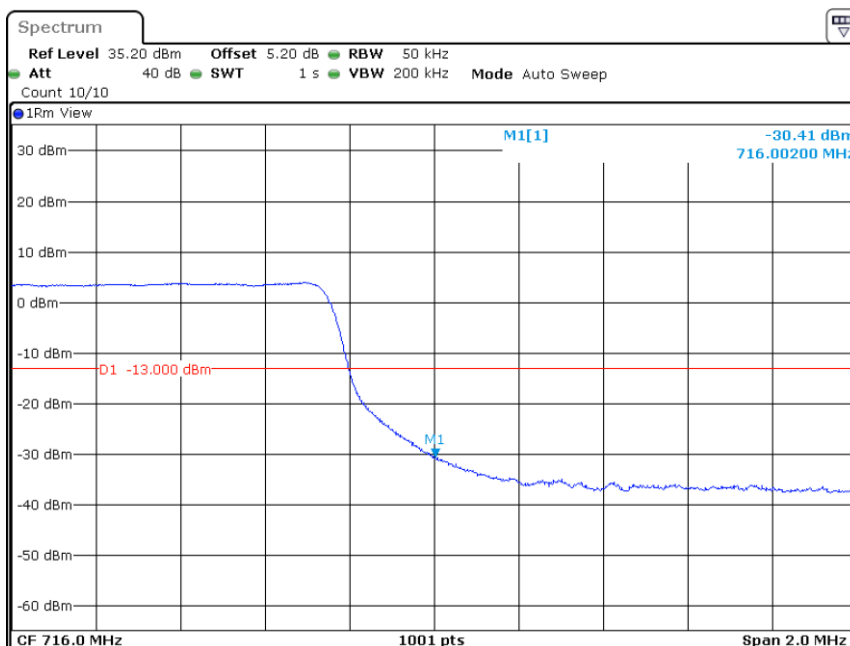


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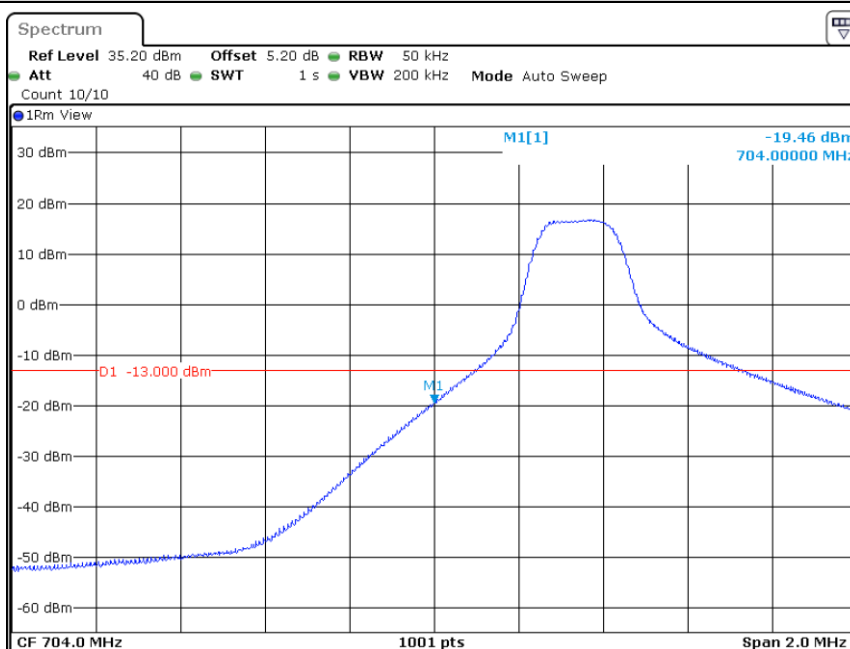


Band17-5MHz-QPSK-23825-25RB#0



Date: 29.MAR.2021 21:43:58

Band17-5MHz-64QAM-23755-1RB#0



Date: 29.MAR.2021 22:00:25



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Shenzhen Branch (23825) FCC Laboratory

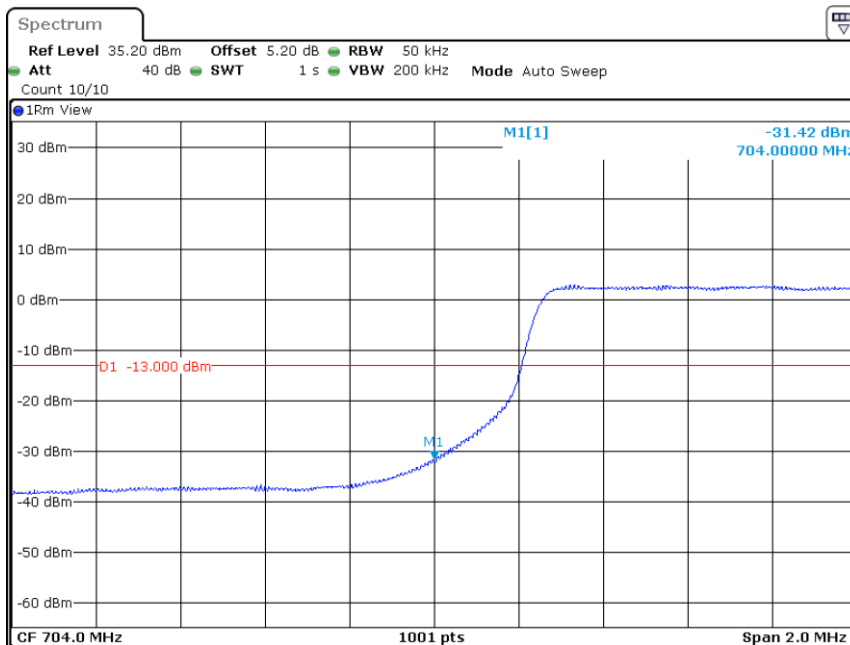
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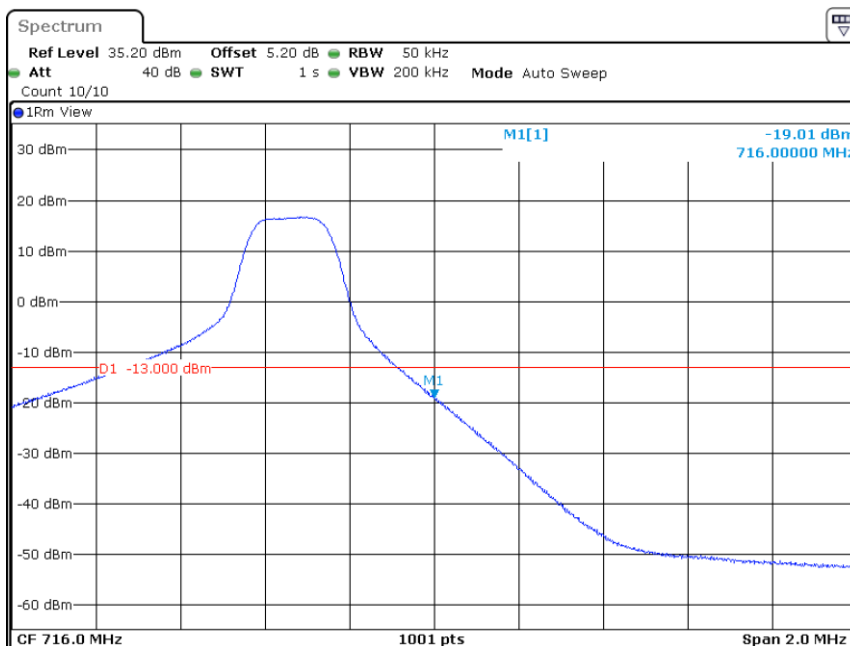


Band17-5MHz-64QAM-23755-25RB#0



Date: 29.MAR.2021 22:00:46

Band17-5MHz-64QAM-23825-1RB#24



Date: 29.MAR.2021 22:01:12



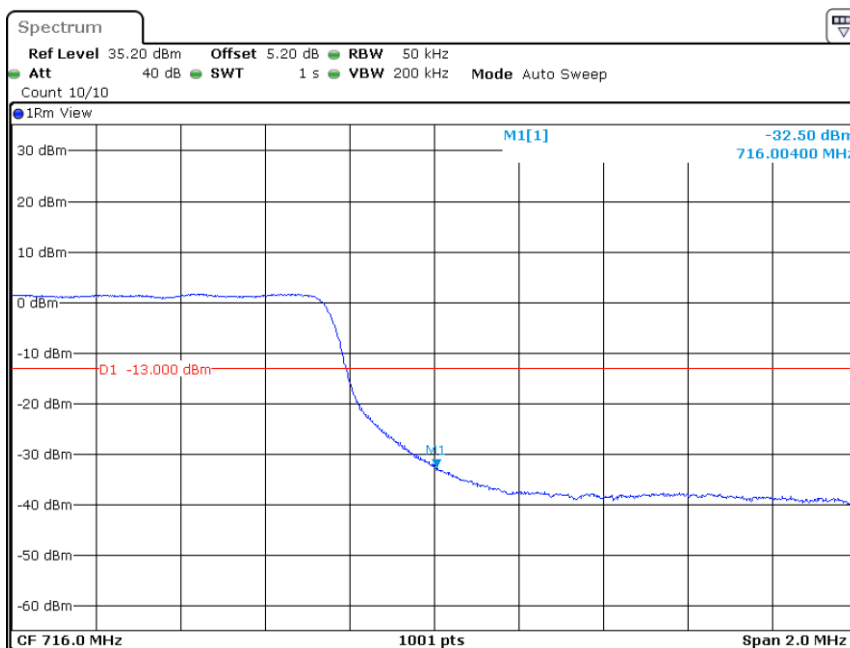
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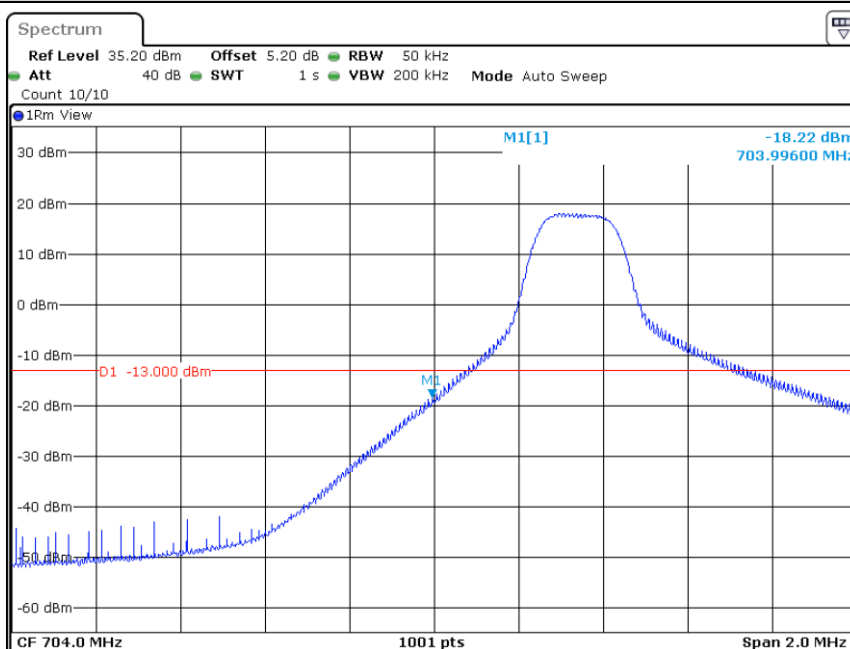


Band17-5MHz-64QAM-23825-25RB#0



Date: 29.MAR.2021 22:01:33

Band17-5MHz-16QAM-23755-1RB#0

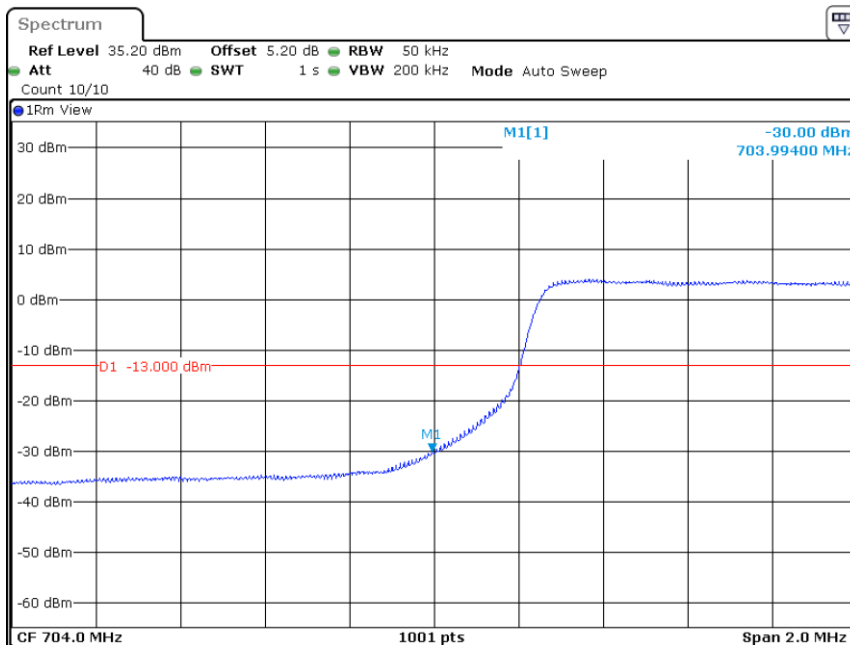


Date: 29.MAR.2021 21:42:09



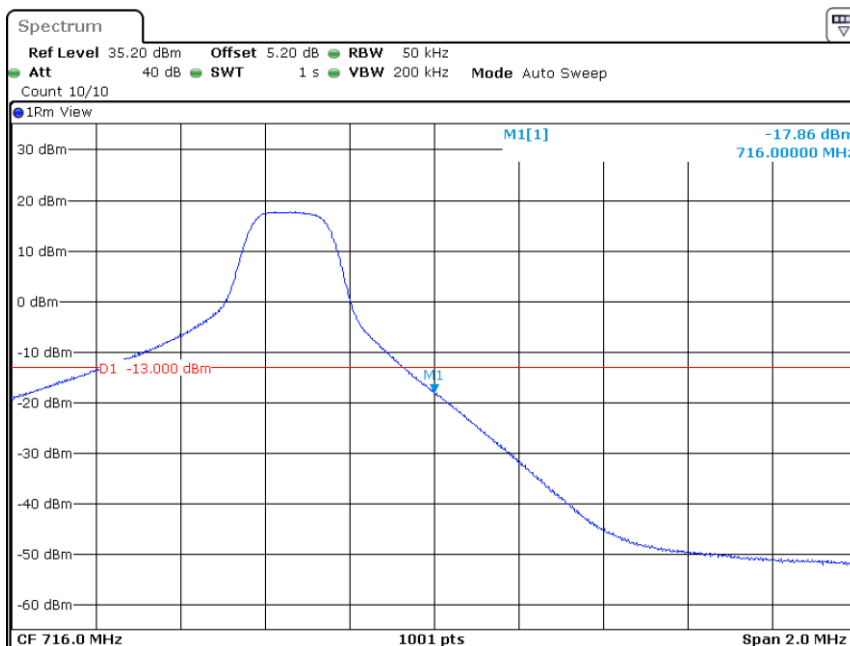


Band17-5MHz-16QAM-23755-25RB#0



Date: 29.MAR.2021 21:42:51

Band17-5MHz-16QAM-23825-1RB#24



Date: 29.MAR.2021 21:43:37



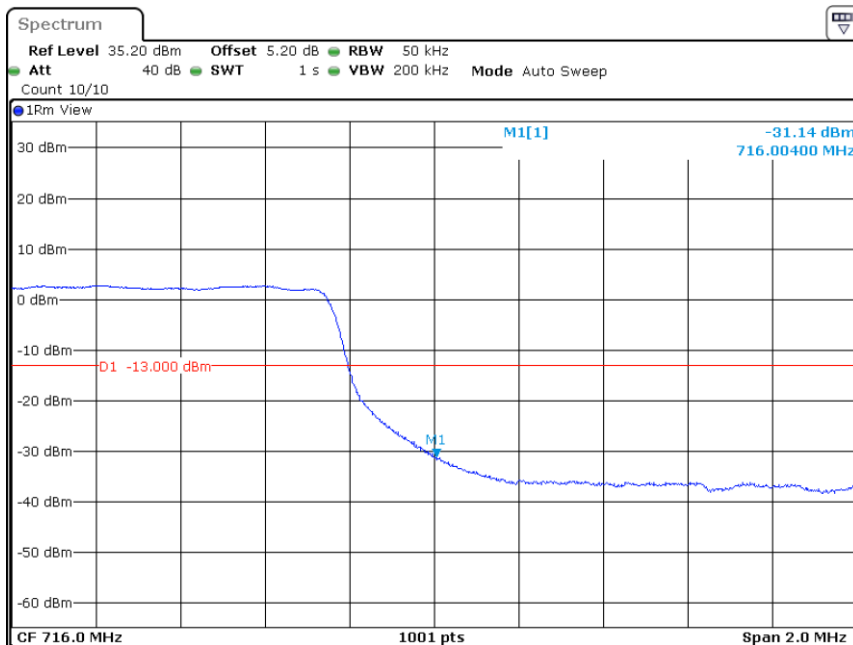
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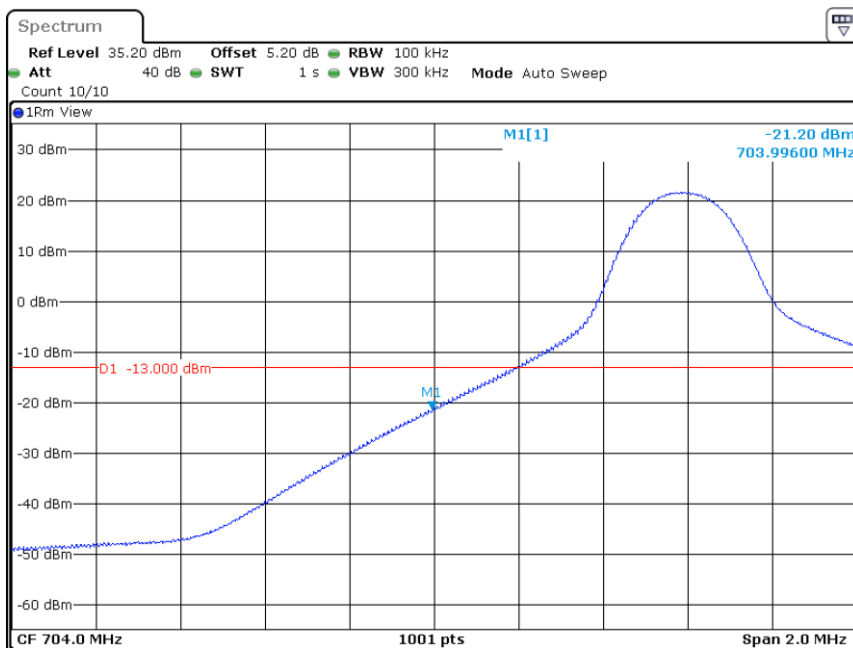


Band17-5MHz-16QAM-23825-25RB#0



Date: 29.MAR.2021 21:44:19

Band17-10MHz-QPSK-23780-1RB#0



Date: 29.MAR.2021 21:44:45



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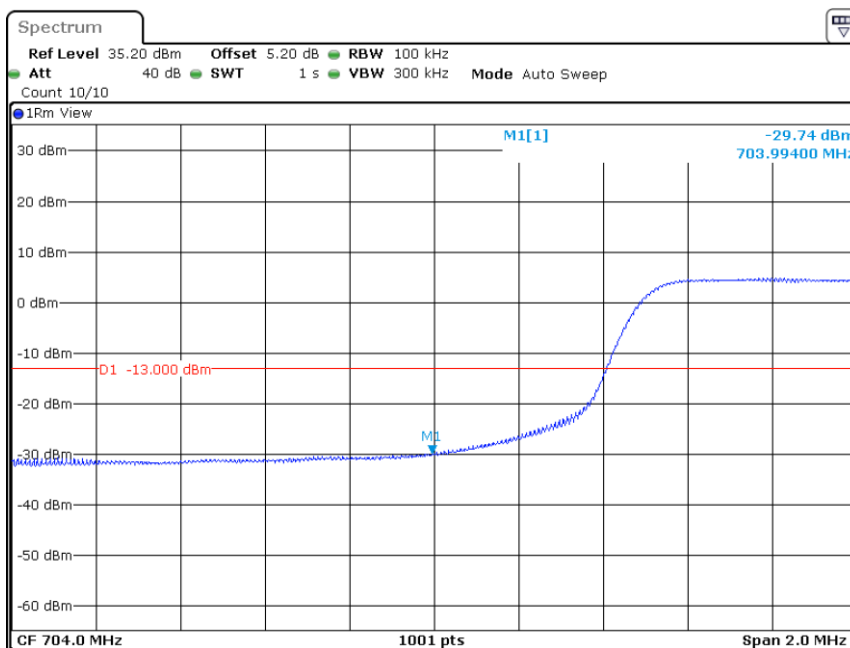
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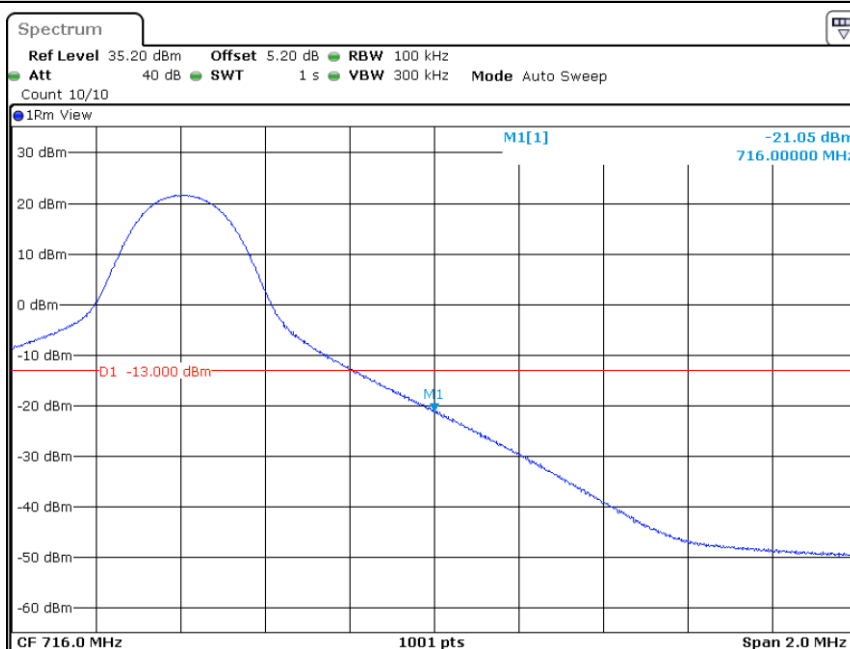


Band17-10MHz-QPSK-23780-50RB#0



Date: 29.MAR.2021 21:45:27

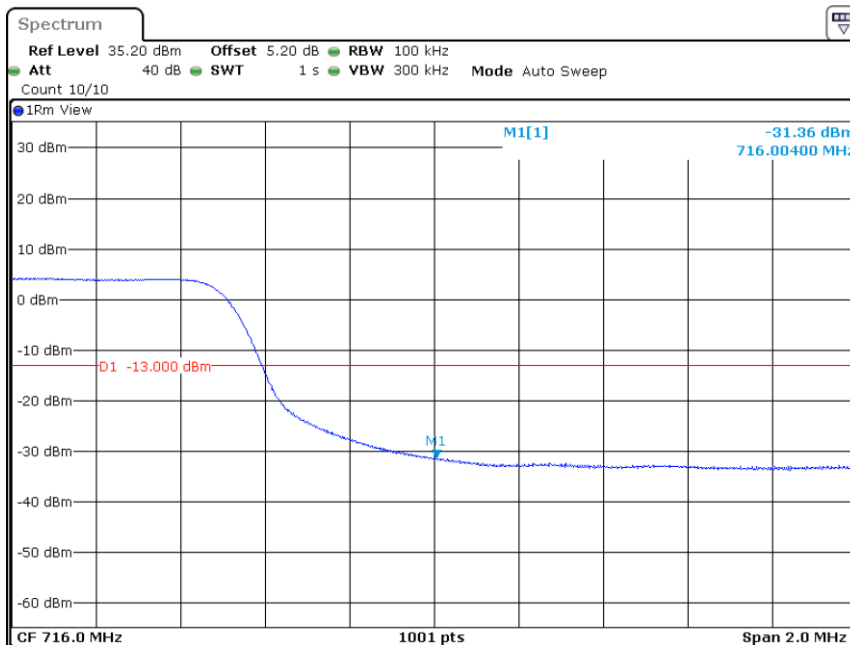
Band17-10MHz-QPSK-23800-1RB#49



Date: 29.MAR.2021 21:46:13

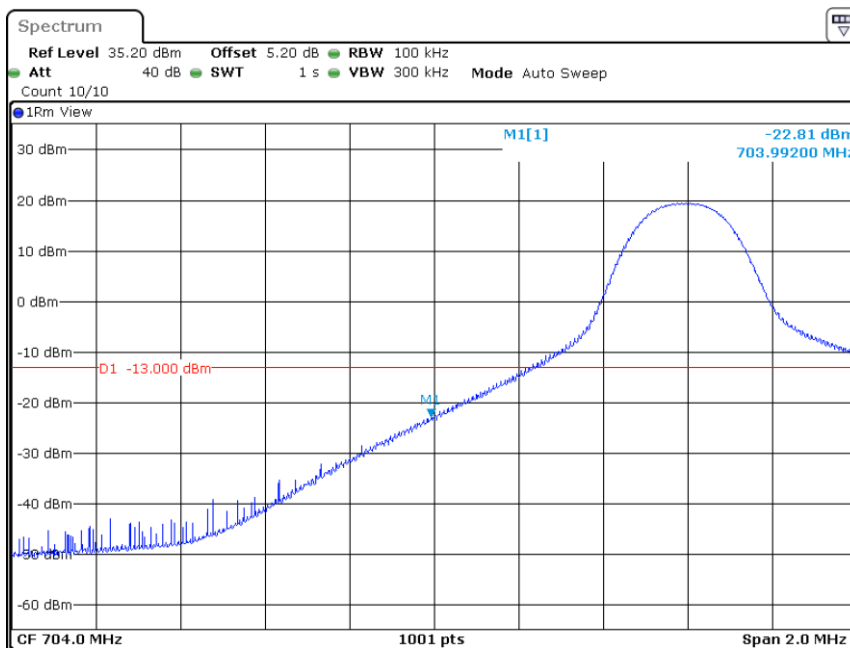


**Band17-10MHz-QPSK-23800-50RB#0**



Date: 29.MAR.2021 21:46:55

**Band17-10MHz-64QAM-23780-1RB#0**



Date: 29.MAR.2021 22:02:01

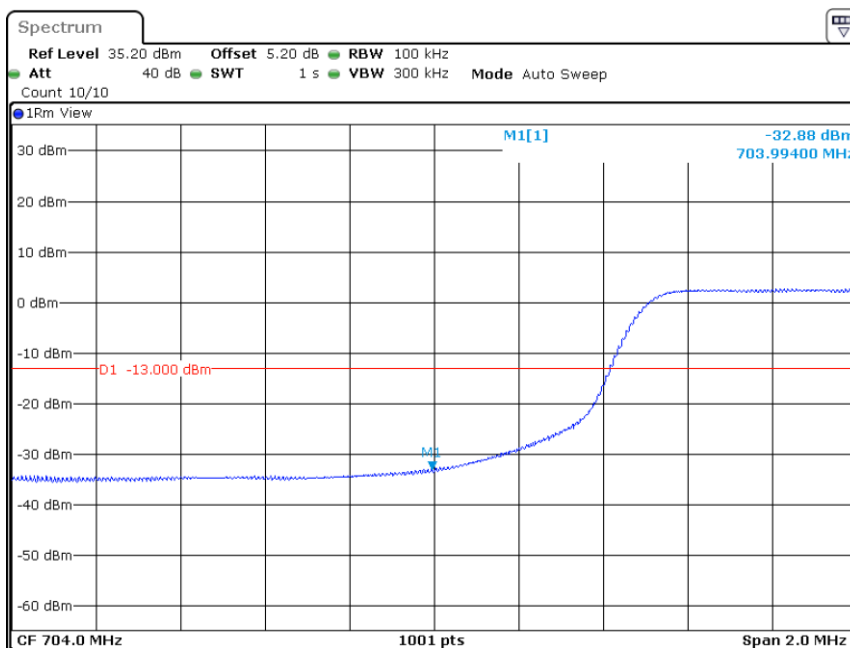


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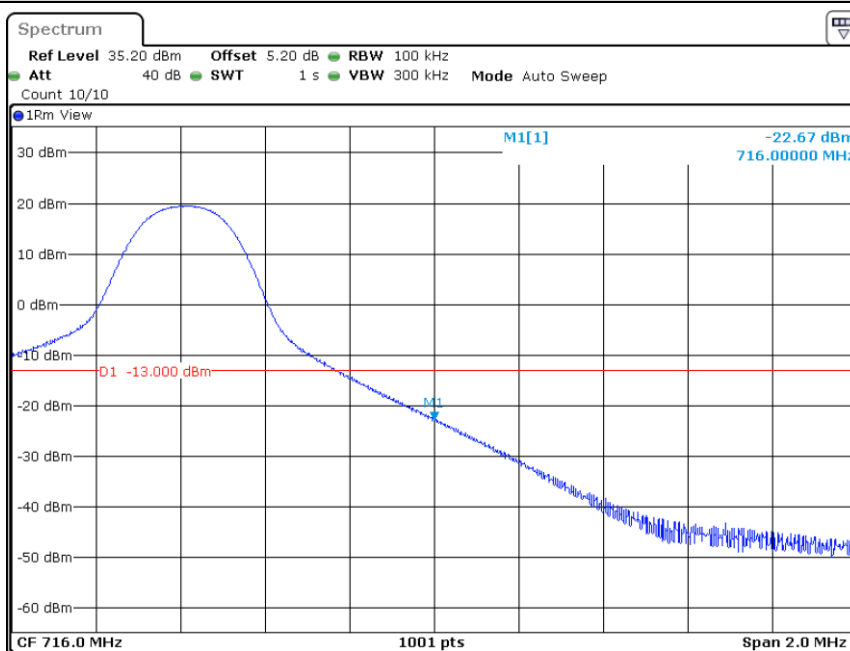


Band17-10MHz-64QAM-23780-50RB#0



Date: 29.MAR.2021 22:02:22

Band17-10MHz-64QAM-23800-1RB#49



Date: 29.MAR.2021 22:02:48



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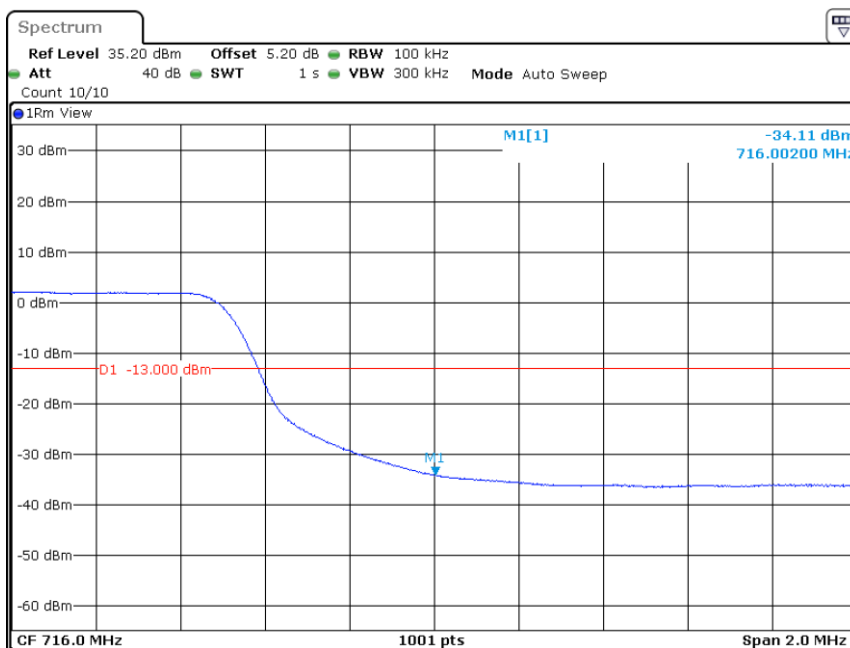
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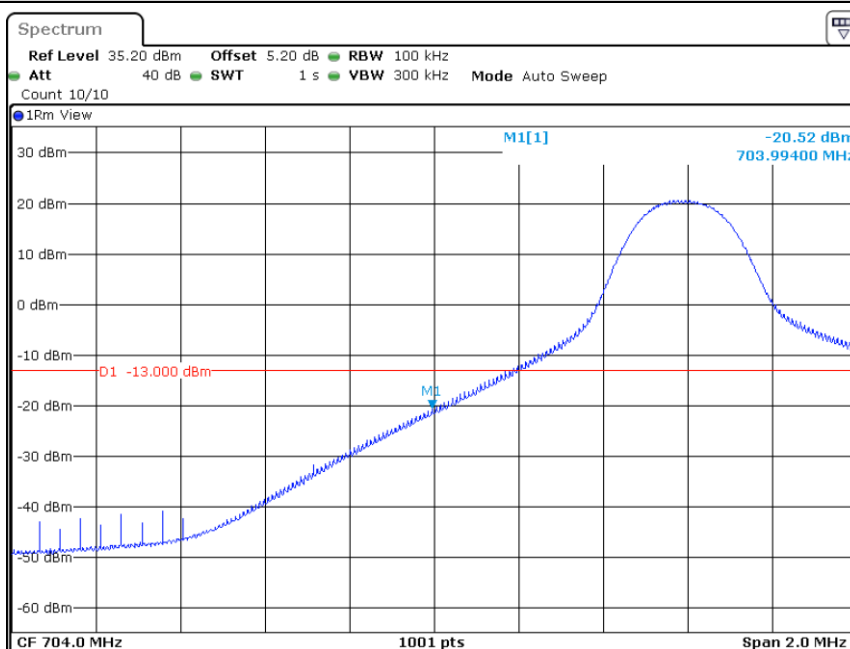


Band17-10MHz-64QAM-23800-50RB#0



Date: 29.MAR.2021 22:03:09

Band17-10MHz-16QAM-23780-1RB#0



Date: 29.MAR.2021 21:45:06



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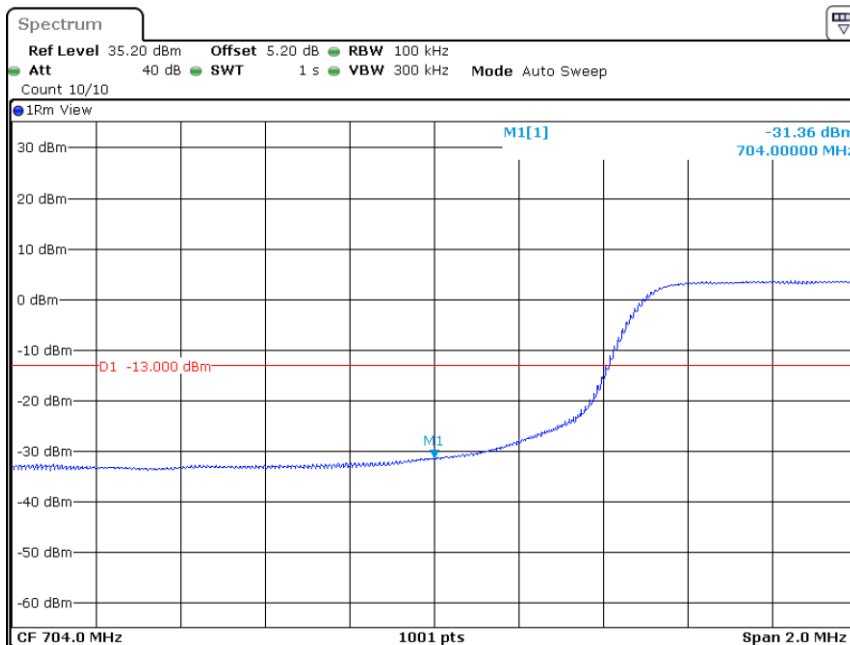
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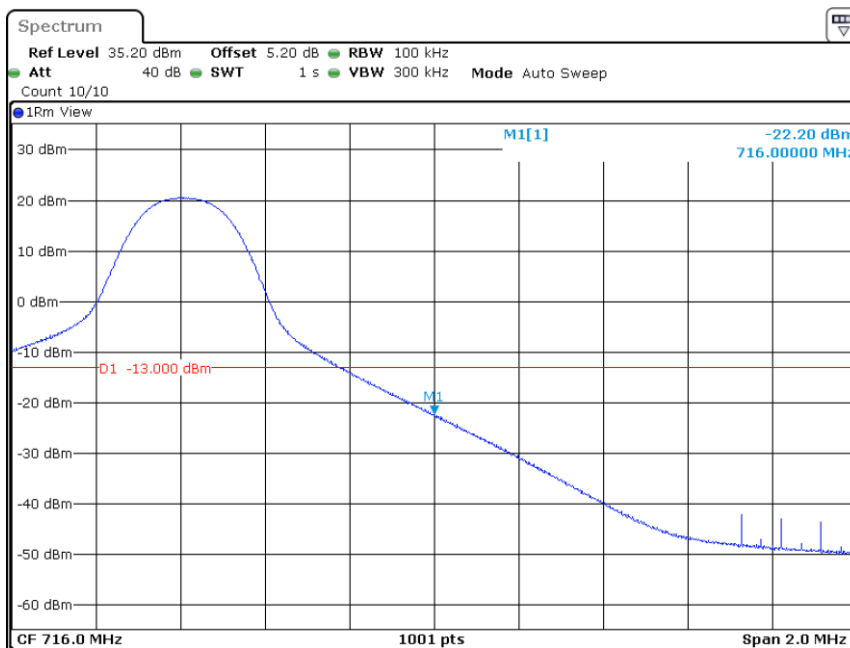


Band17-10MHz-16QAM-23780-50RB#0



Date: 29.MAR.2021 21:45:48

Band17-10MHz-16QAM-23800-1RB#49



Date: 29.MAR.2021 21:46:34

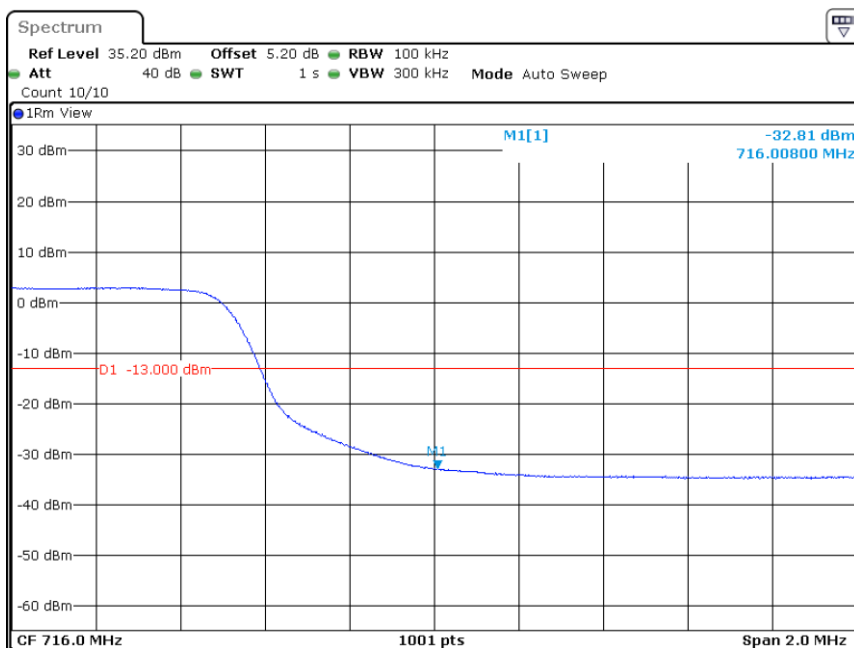


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Band17-10MHz-16QAM-23800-50RB#0



Date: 29.MAR.2021 21:47:15



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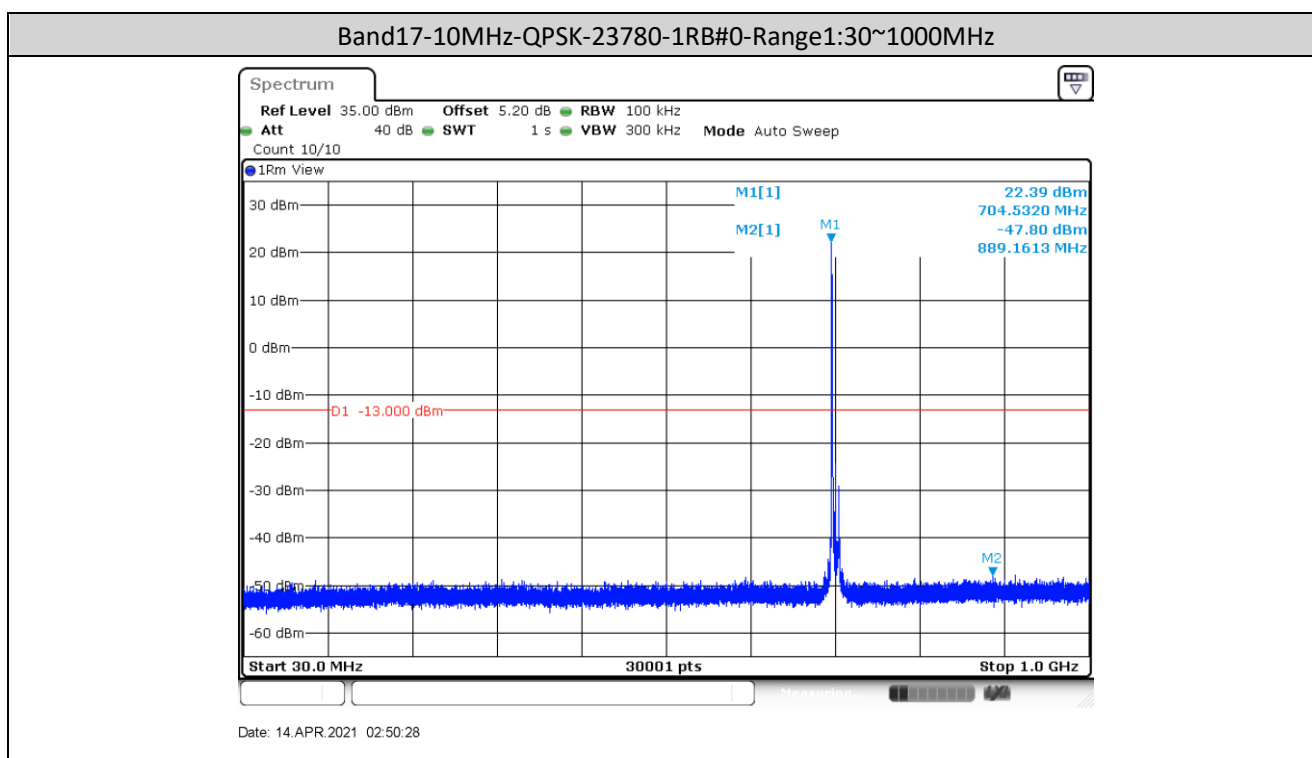
## 6. Spurious Emission at Antenna Terminal

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 =  $k * (Span / RBW)$ " with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

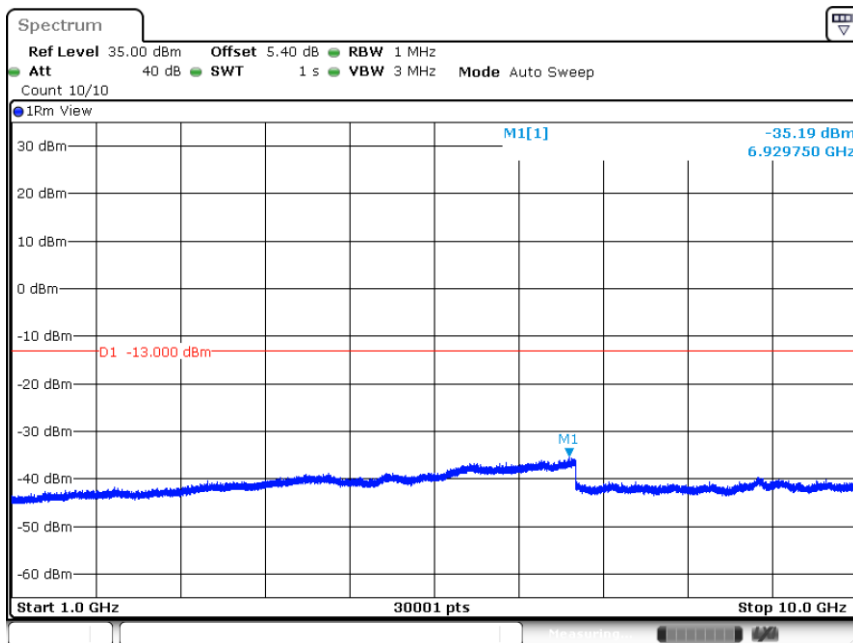
Remark2: According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.

Remark3: 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 had been displayed.

### 6.1. Test Plots

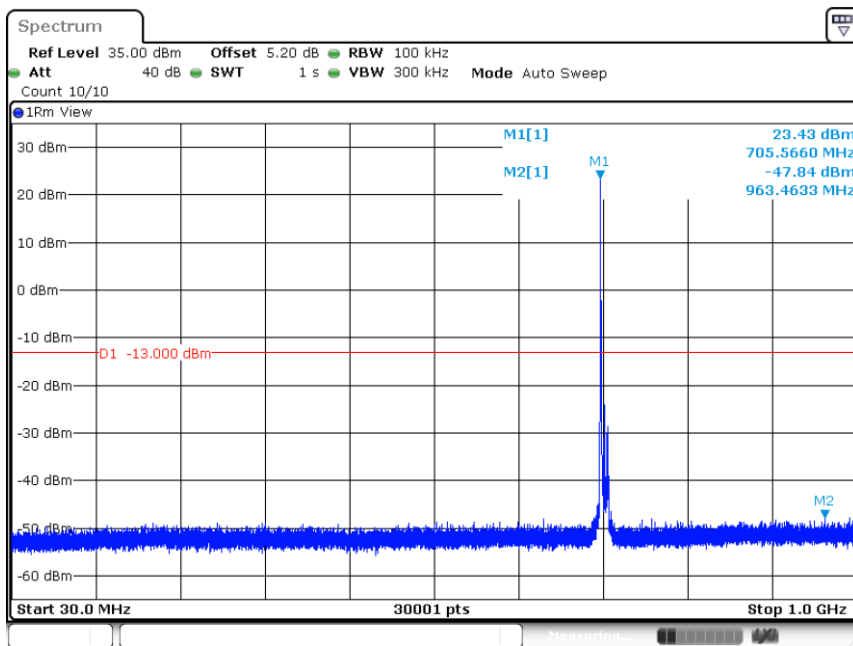


## Band17-10MHz-QPSK-23780-1RB#0-Range2:1000~10000MHz



Date: 14 APR 2021 02:50:44

## Band17-10MHz-QPSK-23790-1RB#0-Range1:30~1000MHz

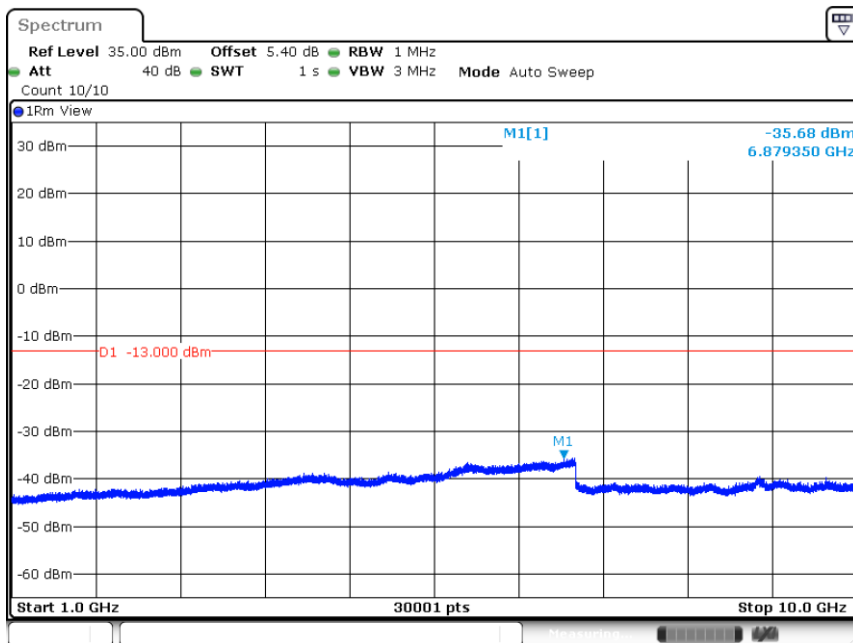


Date: 14 APR 2021 02:51:39



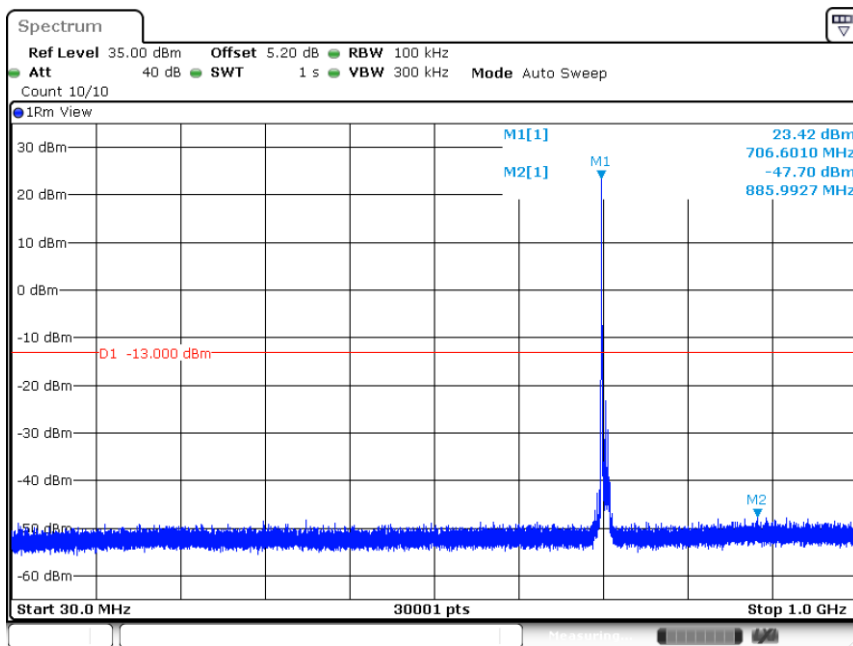


**Band17-10MHz-QPSK-23790-1RB#0-Range2:1000~10000MHz**



Date: 14 APR 2021 02:51:55

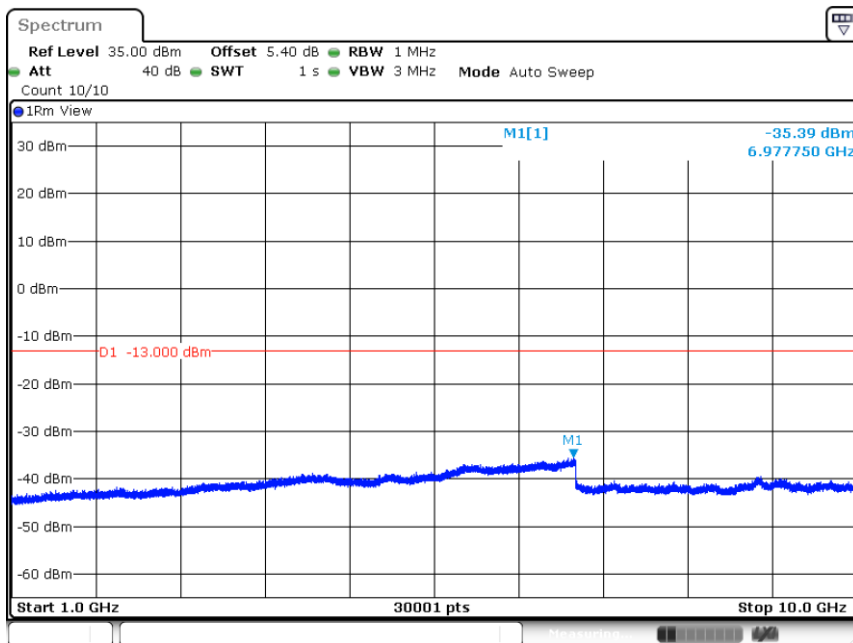
**Band17-10MHz-QPSK-23800-1RB#0-Range1:30~1000MHz**



Date: 14 APR 2021 02:52:50

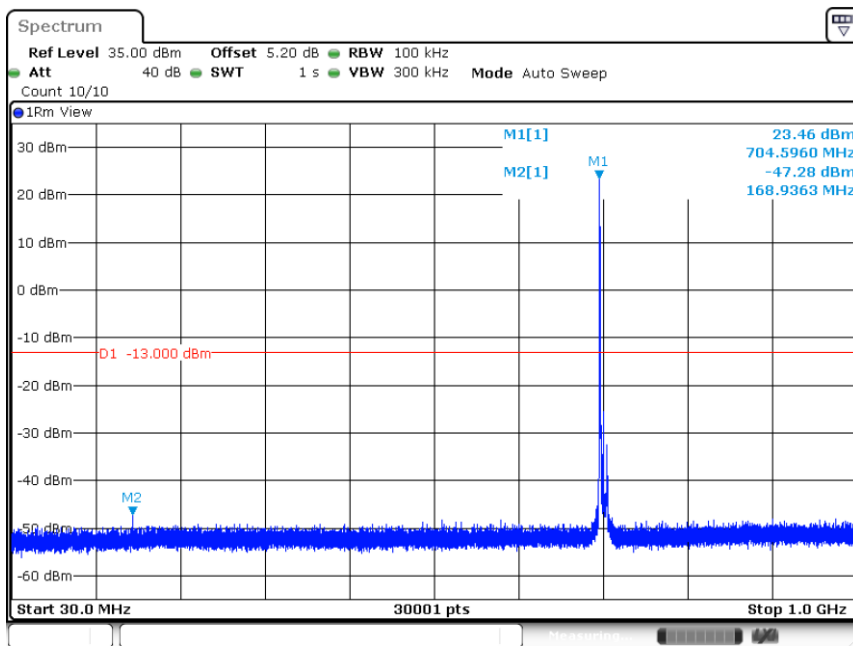


**Band17-10MHz-QPSK-23800-1RB#0-Range2:1000~10000MHz**



Date: 14 APR 2021 02:53:05

**Band17-10MHz-64QAM-23780-1RB#0-Range1:30~1000MHz**



Date: 14 APR 2021 03:16:00

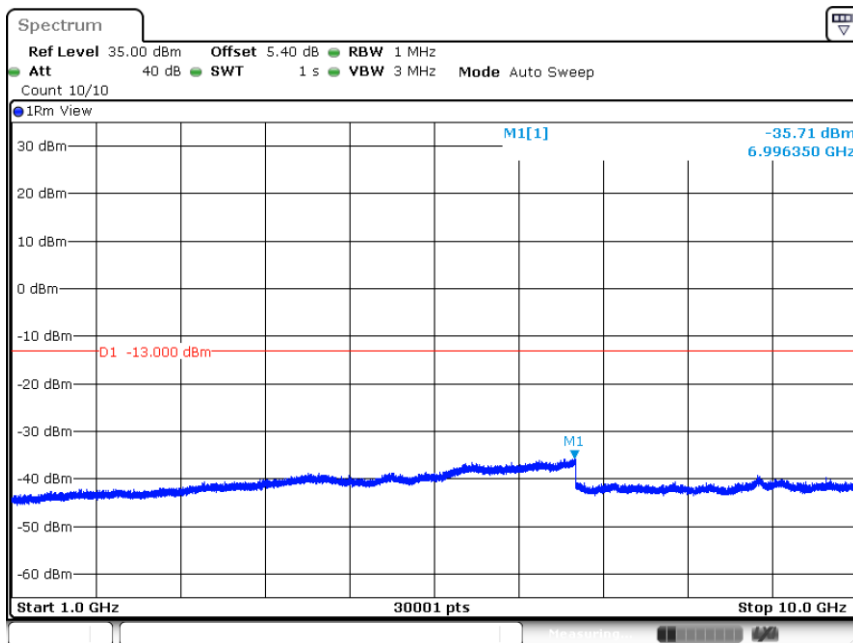


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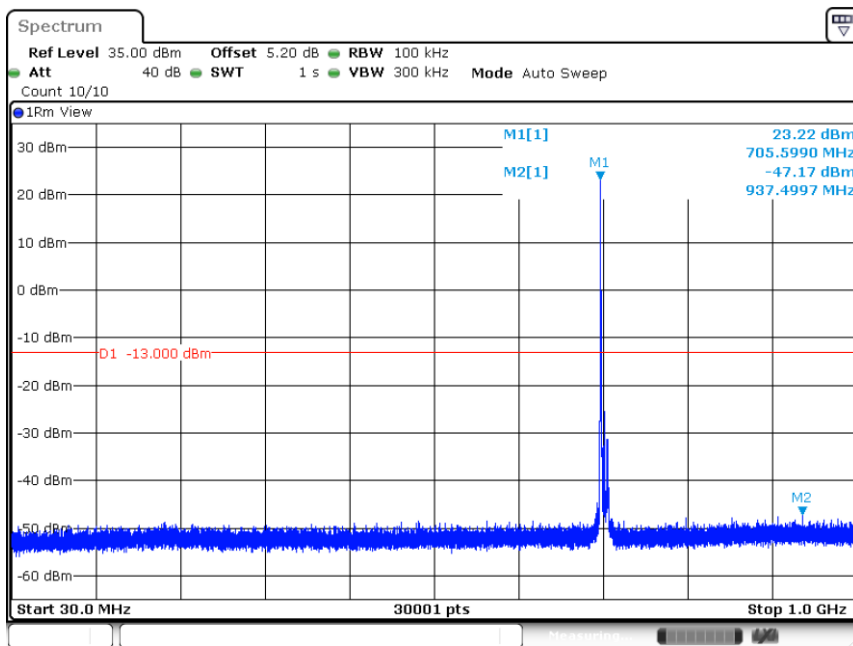
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 中国·深圳·科技园中区M-10栋一号厂房 邮编: 518057 t (86-755) 26012053 f (86-755) 26710594 sgs.china@sgs.com

## Band17-10MHz-64QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 14 APR 2021 03:16:15

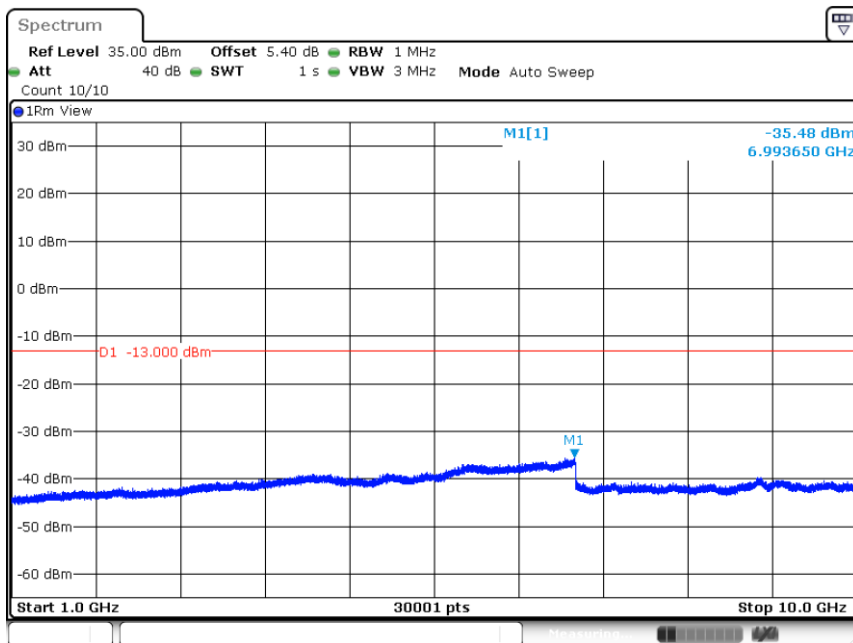
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Date: 14 APR 2021 03:16:35

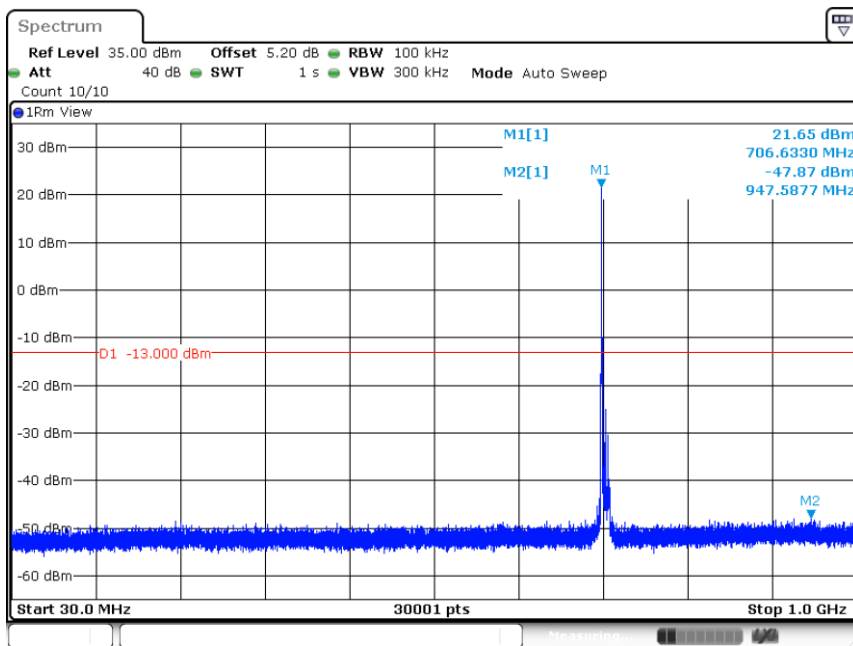


## Band17-10MHz-64QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 14 APR 2021 03:16:51

## Band17-10MHz-64QAM-23800-1RB#0-Range1:30~1000MHz

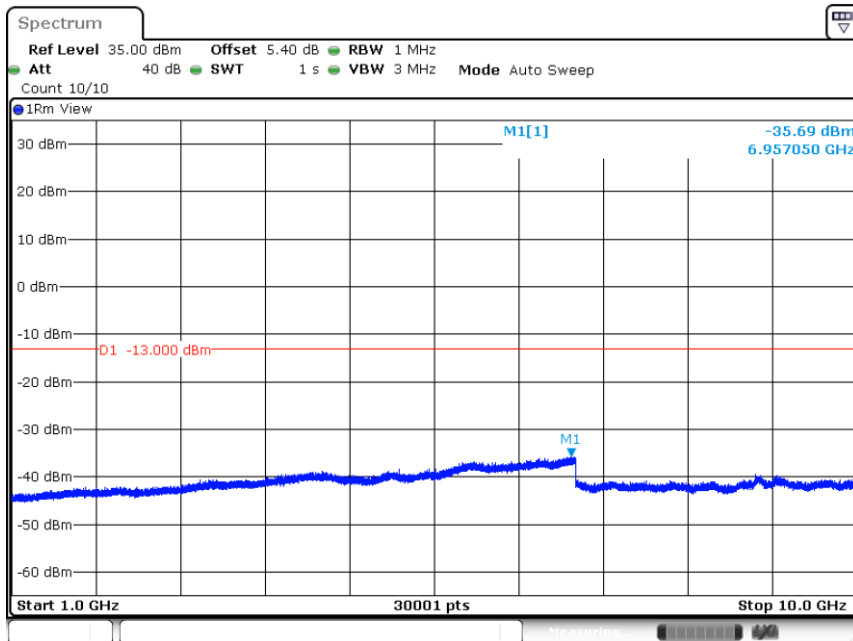


Date: 14 APR 2021 03:17:11



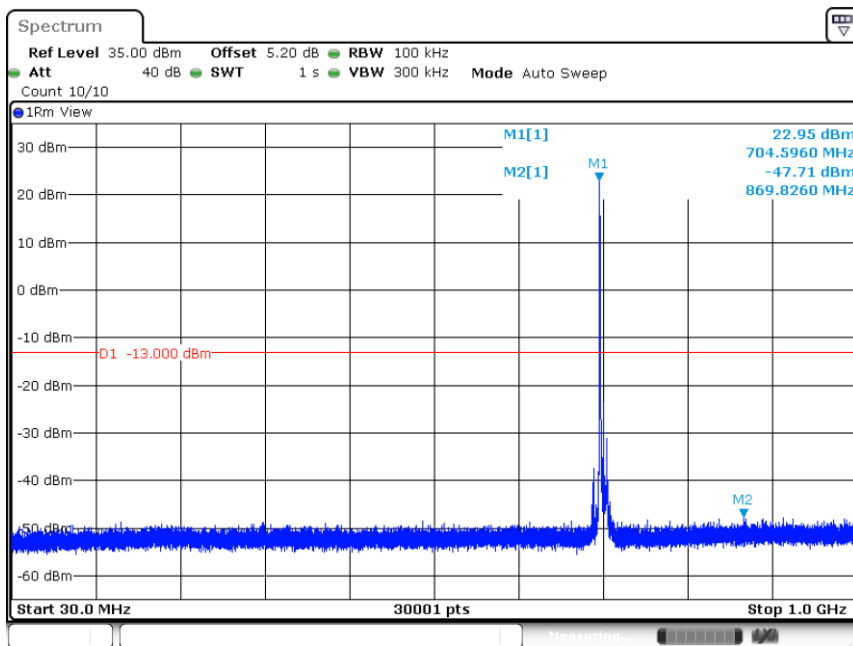


**Band17-10MHz-64QAM-23800-1RB#0-Range2:1000~10000MHz**



Date: 14 APR 2021 03:17:26

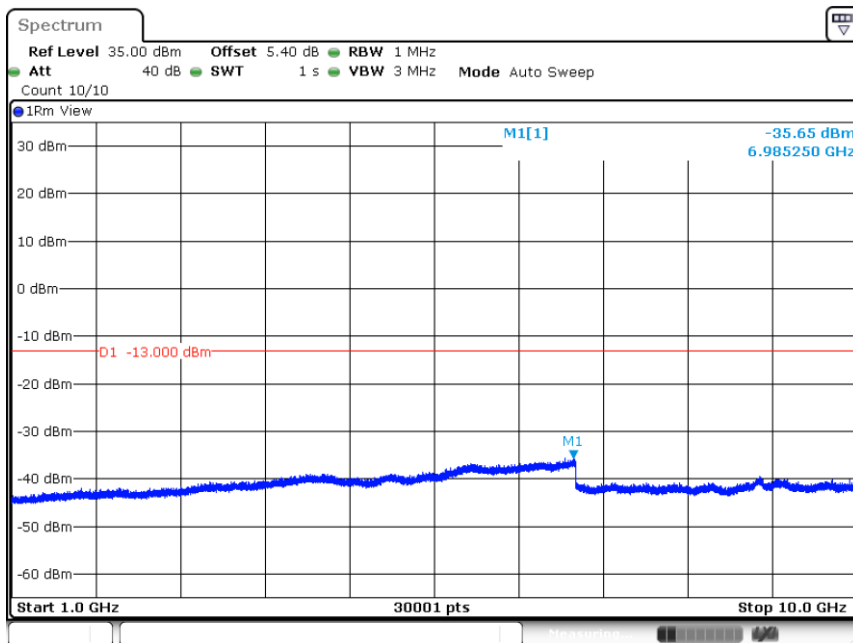
**Band17-10MHz-16QAM-23780-1RB#0-Range1:30~1000MHz**



Date: 14 APR 2021 02:51:04

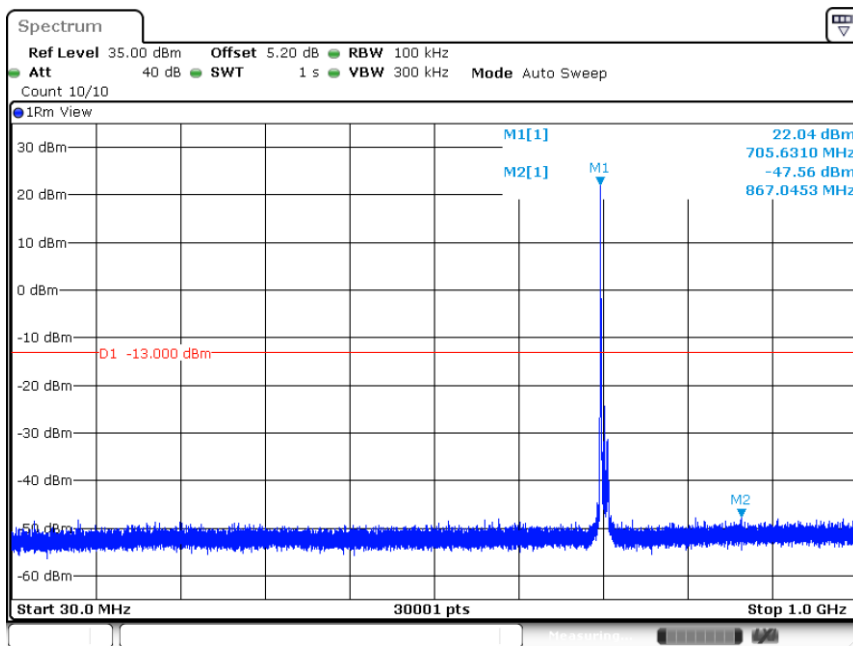


## Band17-10MHz-16QAM-23780-1RB#0-Range2:1000~10000MHz



Date: 14 APR 2021 02:51:19

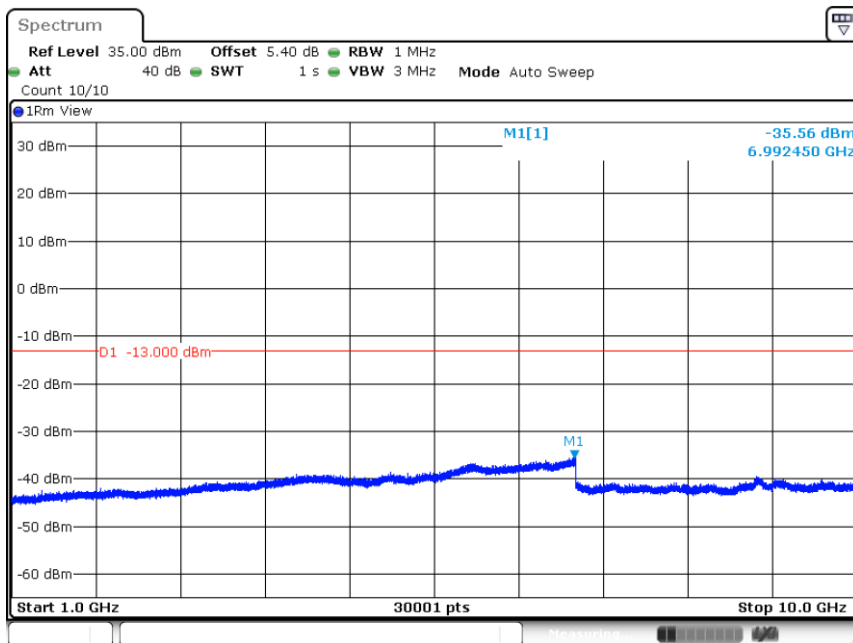
## Band17-10MHz-16QAM-23790-1RB#0-Range1:30~1000MHz



Date: 14 APR 2021 02:52:15

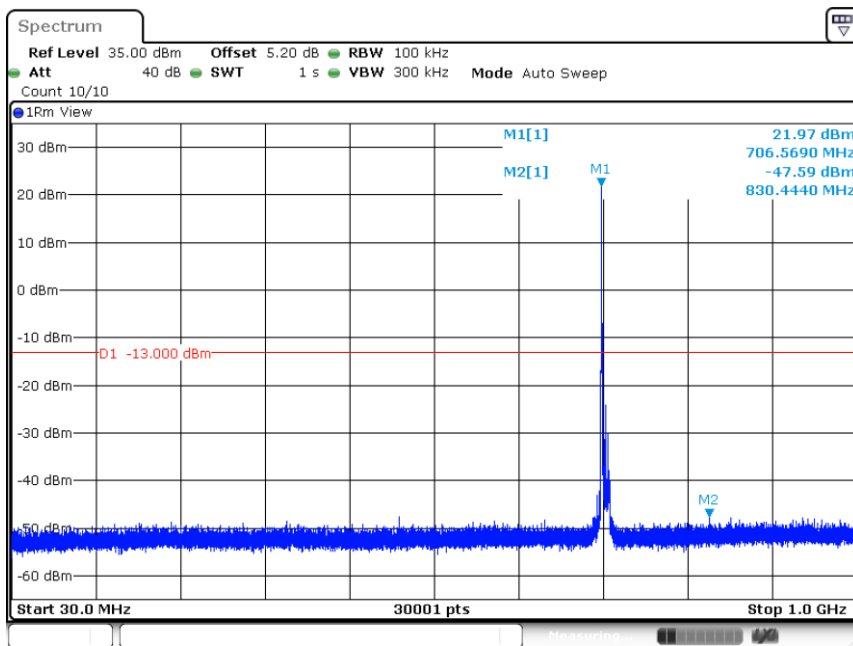


## Band17-10MHz-16QAM-23790-1RB#0-Range2:1000~10000MHz



Date: 14 APR 2021 02:52:30

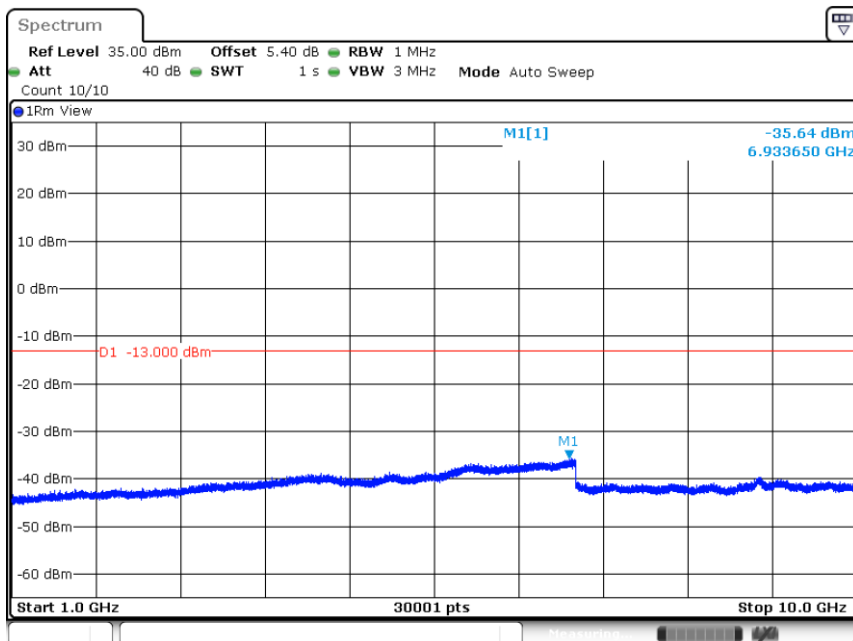
## Band17-10MHz-16QAM-23800-1RB#0-Range1:30~1000MHz



Date: 14 APR 2021 02:53:26



## Band17-10MHz-16QAM-23800-1RB#0-Range2:1000~10000MHz



Date: 14 APR 2021 02:53:42





## 7. Field Strength of Spurious Radiation

### 7.1. Test Band LTE\_Band17 \_TM1 ANT13

#### 7.1.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.5322	-87.36	-56.62	-13.00	43.62	Horizontal
2	238.6089	-86.54	-61.75	-13.00	48.75	Horizontal
3	1645.8000	-67.94	-49.09	-13.00	36.09	Horizontal
4	2248.0000	-68.54	-44.52	-13.00	31.52	Horizontal
5	5265.7600	-47.62	-46.75	-13.00	33.75	Horizontal
6	9336.4000	-49.62	-42.94	-13.00	29.94	Horizontal



## 7.2. Test Band LTE\_Band17\_TM1 ANT13

### 7.2.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.0358	-87.89	-66.38	-13.00	53.38	Vertical
2	109.7380	-87.38	-58.02	-13.00	45.02	Vertical
3	289.1485	-86.40	-63.55	-13.00	50.55	Vertical
4	2158.8000	-68.64	-45.56	-13.00	32.56	Vertical
5	5316.1600	-47.44	-46.58	-13.00	33.58	Vertical
6	9282.0800	-49.10	-42.17	-13.00	29.17	Vertical



### 7.3. Test Band LTE\_Band17\_TM1 ANT13

#### 7.3.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.6777	-86.82	-56.07	-13.00	43.07	Horizontal
2	227.1624	-86.43	-62.06	-13.00	49.06	Horizontal
3	1406.2000	-65.64	-46.13	-13.00	33.13	Horizontal
4	2261.9000	-68.40	-44.36	-13.00	31.36	Horizontal
5	5290.6800	-47.49	-46.08	-13.00	33.08	Horizontal
6	9337.8000	-49.70	-43.02	-13.00	30.02	Horizontal



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#### 7.4. Test Band LTE\_Band17\_TM1 ANT13

##### 7.4.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.9273	-88.11	-66.21	-13.00	53.21	Vertical
2	109.3985	-87.19	-57.91	-13.00	44.91	Vertical
3	364.2302	-86.66	-63.29	-13.00	50.29	Vertical
4	2203.0000	-70.00	-45.22	-13.00	32.22	Vertical
5	5342.4800	-46.30	-45.80	-13.00	32.80	Vertical
6	9282.0800	-48.47	-41.54	-13.00	28.54	Vertical



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## 7.5. Test Band LTE\_Band17\_TM1 ANT13

### 7.5.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	41.7376	-86.84	-56.17	-13.00	43.17	Horizontal
2	227.9384	-86.74	-62.24	-13.00	49.24	Horizontal
3	1412.8000	-65.49	-45.97	-13.00	32.97	Horizontal
4	2282.5000	-68.89	-44.76	-13.00	31.76	Horizontal
5	5316.4400	-48.40	-47.04	-13.00	34.04	Horizontal
6	9371.4000	-49.21	-42.61	-13.00	29.61	Horizontal



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## 7.6. Test Band LTE\_Band17\_TM1 ANT13

### 7.6.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.2783	-87.96	-66.40	-13.00	53.40	Vertical
2	111.5811	-86.43	-57.18	-13.00	44.18	Vertical
3	381.6911	-86.57	-62.52	-13.00	49.52	Vertical
4	2223.3000	-68.56	-44.20	-13.00	31.20	Vertical
5	5339.6800	-47.05	-46.51	-13.00	33.51	Vertical
6	9356.0000	-49.28	-42.48	-13.00	29.48	Vertical



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## 7.7. Test Band   LTE\_Band17   \_TM1 ANT41

### 7.7.1. Test Channel   Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.8531	-87.63	-56.92	-13.00	43.92	Horizontal
2	240.5490	-86.45	-61.69	-13.00	48.69	Horizontal
3	1409.1000	-64.44	-44.93	-13.00	31.93	Horizontal
4	2236.1000	-67.59	-43.42	-13.00	30.42	Horizontal
5	5262.1200	-46.53	-45.74	-13.00	32.74	Horizontal
6	9601.0000	-49.76	-43.23	-13.00	30.23	Horizontal



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## 7.8. Test Band LTE\_Band17\_TM1 ANT41

### 7.8.1. Test Channel Low Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	46.9273	-87.52	-65.62	-13.00	52.62	Vertical
2	111.7266	-87.40	-58.16	-13.00	45.16	Vertical
3	297.0544	-86.17	-63.15	-13.00	50.15	Vertical
4	2207.3000	-68.24	-43.55	-13.00	30.55	Vertical
5	5306.9200	-48.38	-47.39	-13.00	34.39	Vertical
6	9286.5600	-49.72	-42.80	-13.00	29.80	Vertical



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## 7.9. Test Band LTE\_Band17\_TM1 ANT41

### 7.9.1. Test Channel Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	43.5807	-87.05	-56.31	-13.00	43.31	Horizontal
2	237.7359	-86.73	-61.94	-13.00	48.94	Horizontal
3	1405.8000	-67.50	-47.99	-13.00	34.99	Horizontal
4	2216.4000	-69.55	-45.14	-13.00	32.14	Horizontal
5	5284.8000	-46.69	-45.41	-13.00	32.41	Horizontal
6	9203.4000	-49.28	-43.88	-13.00	30.88	Horizontal



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7.10. Test Band   LTE\_Band17   \_TM1 ANT41

7.10.1. Test Channel   Mid Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	45.9573	-87.06	-65.36	-13.00	52.36	Vertical
2	116.5768	-86.36	-57.64	-13.00	44.64	Vertical
3	288.3239	-86.13	-63.32	-13.00	50.32	Vertical
4	1044.5000	-68.86	-50.81	-13.00	37.81	Vertical
5	2204.5000	-69.07	-44.32	-13.00	31.32	Vertical
6	5269.4000	-47.23	-46.75	-13.00	33.75	Vertical



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## 7.11. Test Band LTE\_Band17\_TM1 ANT41

### 7.11.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	42.0286	-87.77	-57.09	-13.00	44.09	Horizontal
2	246.7088	-86.31	-61.76	-13.00	48.76	Horizontal
3	1413.0000	-62.25	-42.73	-13.00	29.73	Horizontal
4	2291.6000	-68.42	-44.25	-13.00	31.25	Horizontal
5	5303.8400	-48.09	-46.54	-13.00	33.54	Horizontal
6	8761.2800	-48.99	-44.50	-13.00	31.50	Horizontal



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7.12. Test Band LTE\_Band17\_TM1 ANT41

7.12.1. Test Channel High Channel

Suspected Data List						
NO.	Freq. [MHz]	Reading [dBm]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	47.1699	-87.82	-65.86	-13.00	52.86	Vertical
2	114.3942	-86.79	-57.84	-13.00	44.84	Vertical
3	341.3856	-85.52	-61.88	-13.00	48.88	Vertical
4	2229.5000	-68.74	-44.51	-13.00	31.51	Vertical
5	5379.1600	-46.17	-46.37	-13.00	33.37	Vertical
6	9148.2400	-48.28	-42.93	-13.00	29.93	Vertical

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



SGS-CSTC Standards Technical Services Co., Ltd.

Shenzhen Branch

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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	0.80	0.001128	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VN	NT	-1.00	-0.001410	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	VH	NT	-2.70	-0.003808	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VL	NT	-4.30	-0.006056	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VN	NT	-2.00	-0.002817	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	VH	NT	-4.70	-0.006620	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VL	NT	-1.10	-0.001547	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VN	NT	1.20	0.001688	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	VH	NT	1.50	0.002110	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VL	NT	4.40	0.006206	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VN	NT	1.20	0.001693	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	VH	NT	1.40	0.001975	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VL	NT	1.80	0.002535	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VN	NT	3.10	0.004366	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	VH	NT	3.00	0.004225	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VL	NT	1.50	0.002110	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VN	NT	2.70	0.003797	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	VH	NT	5.80	0.008158	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VL	NT	0.20	0.000282	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VN	NT	0.30	0.000423	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	VH	NT	2.40	0.003385	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VL	NT	-3.50	-0.004930	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VN	NT	0.80	0.001127	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	VH	NT	0.00	0.000000	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VL	NT	3.00	0.004219	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VN	NT	2.90	0.004079	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	VH	NT	2.00	0.002813	±2.5	PASS



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## 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	-2.10	-0.002962	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-20	0.60	0.000846	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	-10	1.30	0.001834	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	0	0.80	0.001128	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	10	0.50	0.000705	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	20	4.30	0.006065	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	30	2.30	0.003244	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	40	0.20	0.000282	±2.5	PASS
Band17	10MHz	QPSK	23780	50RB#0	NV	50	4.10	0.005783	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-30	0.80	0.001127	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-20	-2.60	-0.003662	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	-10	-0.30	-0.000423	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	0	-2.50	-0.003521	±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	0.10	0.000141	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	30	-1.00	-0.001408	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	40	0.30	0.000423	±2.5	PASS
Band17	10MHz	QPSK	23790	50RB#0	NV	50	-2.70	-0.003803	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-30	-0.80	-0.001125	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-20	1.20	0.001688	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	-10	3.50	0.004923	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	0	-1.40	-0.001969	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	10	2.90	0.004079	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	20	1.50	0.002110	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	30	0.80	0.001125	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	40	2.20	0.003094	±2.5	PASS
Band17	10MHz	QPSK	23800	50RB#0	NV	50	0.50	0.000703	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-30	0.80	0.001128	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-20	2.30	0.003244	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	-10	3.20	0.004513	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	0	1.30	0.001834	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	10	0.90	0.001269	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	20	0.60	0.000846	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	30	2.10	0.002962	±2.5	PASS



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Band17	10MHz	64QAM	23780	50RB#0	NV	40	0.80	0.001128	±2.5	PASS
Band17	10MHz	64QAM	23780	50RB#0	NV	50	3.50	0.004937	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-30	0.10	0.000141	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-20	0.70	0.000986	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	-10	3.00	0.004225	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	0	2.00	0.002817	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	10	-1.80	-0.002535	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	20	3.80	0.005352	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	30	3.60	0.005070	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	40	0.10	0.000141	±2.5	PASS
Band17	10MHz	64QAM	23790	50RB#0	NV	50	2.70	0.003803	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-30	2.30	0.003235	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-20	0.30	0.000422	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	-10	4.20	0.005907	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	0	0.20	0.000281	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	10	3.70	0.005204	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	20	3.30	0.004641	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	30	1.70	0.002391	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	40	0.40	0.000563	±2.5	PASS
Band17	10MHz	64QAM	23800	50RB#0	NV	50	0.40	0.000563	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-30	3.90	0.005501	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-20	1.60	0.002257	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	-10	2.00	0.002821	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	0	-1.90	-0.002680	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	10	-0.50	-0.000705	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	20	-2.10	-0.002962	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	30	-1.70	-0.002398	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	40	4.90	0.006911	±2.5	PASS
Band17	10MHz	16QAM	23780	50RB#0	NV	50	0.10	0.000141	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-30	-0.80	-0.001127	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-20	-1.80	-0.002535	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	-10	1.40	0.001972	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	0	-2.50	-0.003521	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	10	2.10	0.002958	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	20	1.60	0.002254	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	30	-1.00	-0.001408	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	40	-1.60	-0.002254	±2.5	PASS
Band17	10MHz	16QAM	23790	50RB#0	NV	50	1.50	0.002113	±2.5	PASS



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Band17	10MHz	16QAM	23800	50RB#0	NV	-30	1.00	0.001406	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-20	2.10	0.002954	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	-10	-0.50	-0.000703	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	0	2.30	0.003235	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	10	2.30	0.003235	±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	1.50	0.002110	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	40	4.80	0.006751	±2.5	PASS
Band17	10MHz	16QAM	23800	50RB#0	NV	50	-0.70	-0.000985	±2.5	PASS



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