Appendix B

E-UTRA BAND 41

CONTENT

1. Effective (Isotropic) Radiated Power

1.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm)	EIRP (dBm)	Limit (dBm)	Verdict
BAND41	5MHz	QPSK	39675	1RB#0	23.49	24.38	33.00	PASS
BAND41	5MHz	QPSK	39675	1RB#12	23.33	24.22	33.00	PASS
BAND41	5MHz	QPSK	39675	1RB#24	23.45	24.34	33.00	PASS
BAND41	5MHz	QPSK	39675	12RB#0	22.42	23.31	33.00	PASS
BAND41	5MHz	QPSK	39675	12RB#6	22.21	23.10	33.00	PASS
BAND41	5MHz	QPSK	39675	12RB#13	22.41	23.30	33.00	PASS
BAND41	5MHz	QPSK	39675	25RB#0	22.39	23.28	33.00	PASS
BAND41	5MHz	QPSK	40620	1RB#0	23.50	24.39	33.00	PASS
BAND41	5MHz	QPSK	40620	1RB#12	23.45	24.34	33.00	PASS
BAND41	5MHz	QPSK	40620	1RB#24	23.67	24.56	33.00	PASS
BAND41	5MHz	QPSK	40620	12RB#0	22.47	23.36	33.00	PASS
BAND41	5MHz	QPSK	40620	12RB#6	22.32	23.21	33.00	PASS
BAND41	5MHz	QPSK	40620	12RB#13	22.71	23.60	33.00	PASS
BAND41	5MHz	QPSK	40620	25RB#0	22.75	23.64	33.00	PASS
BAND41	5MHz	QPSK	41565	1RB#0	23.38	24.27	33.00	PASS
BAND41	5MHz	QPSK	41565	1RB#12	23.37	24.26	33.00	PASS
BAND41	5MHz	QPSK	41565	1RB#24	23.53	24.42	33.00	PASS
BAND41	5MHz	QPSK	41565	12RB#0	22.45	23.34	33.00	PASS
BAND41	5MHz	QPSK	41565	12RB#6	22.21	23.10	33.00	PASS
BAND41	5MHz	QPSK	41565	12RB#13	22.38	23.27	33.00	PASS
BAND41	5MHz	QPSK	41565	25RB#0	22.43	23.32	33.00	PASS
BAND41	5MHz	64QAM	39675	1RB#0	22.53	23.42	33.00	PASS
BAND41	5MHz	64QAM	39675	1RB#12	22.25	23.14	33.00	PASS
BAND41	5MHz	64QAM	39675	1RB#24	22.41	23.30	33.00	PASS
BAND41	5MHz	64QAM	39675	12RB#0	21.35	22.24	33.00	PASS
BAND41	5MHz	64QAM	39675	12RB#6	21.51	22.40	33.00	PASS
BAND41	5MHz	64QAM	39675	12RB#13	21.34	22.23	33.00	PASS
BAND41	5MHz	64QAM	39675	25RB#0	21.34	22.23	33.00	PASS
BAND41	5MHz	64QAM	40620	1RB#0	21.67	22.56	33.00	PASS
BAND41	5MHz	64QAM	40620	1RB#12	21.75	22.64	33.00	PASS
BAND41	5MHz	64QAM	40620	1RB#24	21.79	22.68	33.00	PASS
BAND41	5MHz	64QAM	40620	12RB#0	20.42	21.31	33.00	PASS
BAND41	5MHz	64QAM	40620	12RB#6	20.36	21.25	33.00	PASS
BAND41	5MHz	64QAM	40620	12RB#13	20.60	21.49	33.00	PASS

BAND41	5MHz	64QAM	40620	25RB#0	20.35	21.24	33.00	PASS
BAND41	5MHz	64QAM	41565	1RB#0	21.70	22.59	33.00	PASS
BAND41	5MHz	64QAM	41565	1RB#12	22.03	22.92	33.00	PASS
BAND41	5MHz	64QAM	41565	1RB#24	21.66	22.55	33.00	PASS
BAND41	5MHz	64QAM	41565	12RB#0	20.46	21.35	33.00	PASS
BAND41	5MHz	64QAM	41565	12RB#6	20.23	21.12	33.00	PASS
BAND41	5MHz	64QAM	41565	12RB#13	20.33	21.22	33.00	PASS
BAND41	5MHz	64QAM	41565	25RB#0	20.38	21.27	33.00	PASS
BAND41	5MHz	16QAM	39675	1RB#0	22.55	23.44	33.00	PASS
BAND41	5MHz	16QAM	39675	1RB#12	22.30	23.19	33.00	PASS
BAND41	5MHz	16QAM	39675	1RB#24	22.50	23.39	33.00	PASS
BAND41	5MHz	16QAM	39675	12RB#0	21.42	22.31	33.00	PASS
BAND41	5MHz	16QAM	39675	12RB#6	21.32	22.21	33.00	PASS
BAND41	5MHz	16QAM	39675	12RB#13	21.43	22.32	33.00	PASS
BAND41	5MHz	16QAM	39675	25RB#0	21.28	22.17	33.00	PASS
BAND41	5MHz	16QAM	40620	1RB#0	22.63	23.52	33.00	PASS
BAND41	5MHz	16QAM	40620	1RB#12	22.49	23.38	33.00	PASS
BAND41	5MHz	16QAM	40620	1RB#24	22.77	23.66	33.00	PASS
BAND41	5MHz	16QAM	40620	12RB#0	21.52	22.41	33.00	PASS
BAND41	5MHz	16QAM	40620	12RB#6	21.50	22.39	33.00	PASS
BAND41	5MHz	16QAM	40620	12RB#13	21.70	22.59	33.00	PASS
BAND41	5MHz	16QAM	40620	25RB#0	21.41	22.30	33.00	PASS
BAND41	5MHz	16QAM	41565	1RB#0	22.75	23.64	33.00	PASS
BAND41	5MHz	16QAM	41565	1RB#12	22.43	23.32	33.00	PASS
BAND41	5MHz	16QAM	41565	1RB#24	22.66	23.55	33.00	PASS
BAND41	5MHz	16QAM	41565	12RB#0	21.51	22.40	33.00	PASS
BAND41	5MHz	16QAM	41565	12RB#6	21.42	22.31	33.00	PASS
BAND41	5MHz	16QAM	41565	12RB#13	21.39	22.28	33.00	PASS
BAND41	5MHz	16QAM	41565	25RB#0	21.42	22.31	33.00	PASS
BAND41	10MHz	QPSK	39700	1RB#0	23.48	24.37	33.00	PASS
BAND41	10MHz	QPSK	39700	1RB#24	23.04	23.93	33.00	PASS
BAND41	10MHz	QPSK	39700	1RB#49	23.57	24.46	33.00	PASS
BAND41	10MHz	QPSK	39700	25RB#0	22.36	23.25	33.00	PASS
BAND41	10MHz	QPSK	39700	25RB#12	22.33	23.22	33.00	PASS
BAND41	10MHz	QPSK	39700	25RB#25	22.48	23.37	33.00	PASS
BAND41	10MHz	QPSK	39700	50RB#0	22.61	23.50	33.00	PASS
BAND41	10MHz	QPSK	40620	1RB#0	23.57	24.46	33.00	PASS
BAND41	10MHz	QPSK	40620	1RB#24	23.14	24.03	33.00	PASS
BAND41	10MHz	QPSK	40620	1RB#49	23.66	24.55	33.00	PASS
BAND41	10MHz	QPSK	40620	25RB#0	22.48	23.37	33.00	PASS
BAND41	10MHz	QPSK	40620	25RB#12	22.48	23.37	33.00	PASS

BAND41	10MHz	QPSK	40620	25RB#25	22.40	23.29	33.00	PASS
BAND41	10MHz	QPSK	40620	50RB#0	22.71	23.60	33.00	PASS
BAND41	10MHz	QPSK	41540	1RB#0	23.40	24.29	33.00	PASS
BAND41	10MHz	QPSK	41540	1RB#24	22.97	23.86	33.00	PASS
BAND41	10MHz	QPSK	41540	1RB#49	23.35	24.24	33.00	PASS
BAND41	10MHz	QPSK	41540	25RB#0	22.48	23.37	33.00	PASS
BAND41	10MHz	QPSK	41540	25RB#12	22.51	23.40	33.00	PASS
BAND41	10MHz	QPSK	41540	25RB#25	22.29	23.18	33.00	PASS
BAND41	10MHz	QPSK	41540	50RB#0	22.40	23.29	33.00	PASS
BAND41	10MHz	64QAM	39700	1RB#0	22.62	23.51	33.00	PASS
BAND41	10MHz	64QAM	39700	1RB#24	22.42	23.31	33.00	PASS
BAND41	10MHz	64QAM	39700	1RB#49	22.53	23.42	33.00	PASS
BAND41	10MHz	64QAM	39700	25RB#0	21.38	22.27	33.00	PASS
BAND41	10MHz	64QAM	39700	25RB#12	21.27	22.16	33.00	PASS
BAND41	10MHz	64QAM	39700	25RB#25	21.47	22.36	33.00	PASS
BAND41	10MHz	64QAM	39700	50RB#0	21.48	22.37	33.00	PASS
BAND41	10MHz	64QAM	40620	1RB#0	21.68	22.57	33.00	PASS
BAND41	10MHz	64QAM	40620	1RB#24	21.32	22.21	33.00	PASS
BAND41	10MHz	64QAM	40620	1RB#49	21.84	22.73	33.00	PASS
BAND41	10MHz	64QAM	40620	25RB#0	20.39	21.28	33.00	PASS
BAND41	10MHz	64QAM	40620	25RB#12	20.39	21.28	33.00	PASS
BAND41	10MHz	64QAM	40620	25RB#25	20.35	21.24	33.00	PASS
BAND41	10MHz	64QAM	40620	50RB#0	20.57	21.46	33.00	PASS
BAND41	10MHz	64QAM	41540	1RB#0	21.65	22.54	33.00	PASS
BAND41	10MHz	64QAM	41540	1RB#24	21.18	22.07	33.00	PASS
BAND41	10MHz	64QAM	41540	1RB#49	21.63	22.52	33.00	PASS
BAND41	10MHz	64QAM	41540	25RB#0	20.42	21.31	33.00	PASS
BAND41	10MHz	64QAM	41540	25RB#12	20.33	21.22	33.00	PASS
BAND41	10MHz	64QAM	41540	25RB#25	20.30	21.19	33.00	PASS
BAND41	10MHz	64QAM	41540	50RB#0	20.33	21.22	33.00	PASS
BAND41	10MHz	16QAM	39700	1RB#0	22.55	23.44	33.00	PASS
BAND41	10MHz	16QAM	39700	1RB#24	22.34	23.23	33.00	PASS
BAND41	10MHz	16QAM	39700	1RB#49	22.65	23.54	33.00	PASS
BAND41	10MHz	16QAM	39700	25RB#0	21.30	22.19	33.00	PASS
BAND41	10MHz	16QAM	39700	25RB#12	21.26	22.15	33.00	PASS
BAND41	10MHz	16QAM	39700	25RB#25	21.45	22.34	33.00	PASS
BAND41	10MHz	16QAM	39700	50RB#0	21.48	22.37	33.00	PASS
BAND41	10MHz	16QAM	40620	1RB#0	22.64	23.53	33.00	PASS
BAND41	10MHz	16QAM	40620	1RB#24	22.49	23.38	33.00	PASS
BAND41	10MHz	16QAM	40620	1RB#49	22.78	23.67	33.00	PASS
BAND41	10MHz	16QAM	40620	25RB#0	21.45	22.34	33.00	PASS

BAND41	10MHz	16QAM	40620	25RB#12	21.41	22.30	33.00	PASS
BAND41	10MHz	16QAM	40620	25RB#25	21.38	22.27	33.00	PASS
BAND41	10MHz	16QAM	40620	50RB#0	21.62	22.51	33.00	PASS
BAND41	10MHz	16QAM	41540	1RB#0	22.57	23.46	33.00	PASS
BAND41	10MHz	16QAM	41540	1RB#24	22.44	23.33	33.00	PASS
BAND41	10MHz	16QAM	41540	1RB#49	22.58	23.47	33.00	PASS
BAND41	10MHz	16QAM	41540	25RB#0	21.43	22.32	33.00	PASS
BAND41	10MHz	16QAM	41540	25RB#12	21.29	22.18	33.00	PASS
BAND41	10MHz	16QAM	41540	25RB#25	21.26	22.15	33.00	PASS
BAND41	10MHz	16QAM	41540	50RB#0	21.34	22.23	33.00	PASS
BAND41	15MHz	QPSK	39725	1RB#0	23.32	24.21	33.00	PASS
BAND41	15MHz	QPSK	39725	1RB#38	23.66	24.55	33.00	PASS
BAND41	15MHz	QPSK	39725	1RB#74	23.53	24.42	33.00	PASS
BAND41	15MHz	QPSK	39725	36RB#0	22.43	23.32	33.00	PASS
BAND41	15MHz	QPSK	39725	36RB#18	22.57	23.46	33.00	PASS
BAND41	15MHz	QPSK	39725	36RB#39	22.51	23.40	33.00	PASS
BAND41	15MHz	QPSK	39725	75RB#0	22.59	23.48	33.00	PASS
BAND41	15MHz	QPSK	40620	1RB#0	23.47	24.36	33.00	PASS
BAND41	15MHz	QPSK	40620	1RB#38	23.54	24.43	33.00	PASS
BAND41	15MHz	QPSK	40620	1RB#74	23.42	24.31	33.00	PASS
BAND41	15MHz	QPSK	40620	36RB#0	22.48	23.37	33.00	PASS
BAND41	15MHz	QPSK	40620	36RB#18	22.46	23.35	33.00	PASS
BAND41	15MHz	QPSK	40620	36RB#39	22.49	23.38	33.00	PASS
BAND41	15MHz	QPSK	40620	75RB#0	22.50	23.39	33.00	PASS
BAND41	15MHz	QPSK	41515	1RB#0	23.44	24.33	33.00	PASS
BAND41	15MHz	QPSK	41515	1RB#38	23.52	24.41	33.00	PASS
BAND41	15MHz	QPSK	41515	1RB#74	23.42	24.31	33.00	PASS
BAND41	15MHz	QPSK	41515	36RB#0	22.37	23.26	33.00	PASS
BAND41	15MHz	QPSK	41515	36RB#18	22.41	23.30	33.00	PASS
BAND41	15MHz	QPSK	41515	36RB#39	22.48	23.37	33.00	PASS
BAND41	15MHz	QPSK	41515	75RB#0	22.37	23.26	33.00	PASS
BAND41	15MHz	64QAM	39725	1RB#0	22.46	23.35	33.00	PASS
BAND41	15MHz	64QAM	39725	1RB#38	22.67	23.56	33.00	PASS
BAND41	15MHz	64QAM	39725	1RB#74	22.53	23.42	33.00	PASS
BAND41	15MHz	64QAM	39725	36RB#0	21.35	22.24	33.00	PASS
BAND41	15MHz	64QAM	39725	36RB#18	21.49	22.38	33.00	PASS
BAND41	15MHz	64QAM	39725	36RB#39	21.50	22.39	33.00	PASS
BAND41	15MHz	64QAM	39725	75RB#0	21.49	22.38	33.00	PASS
BAND41	15MHz	64QAM	40620	1RB#0	21.61	22.50	33.00	PASS
BAND41	15MHz	64QAM	40620	1RB#38	21.67	22.56	33.00	PASS
BAND41	15MHz	64QAM	40620	1RB#74	21.57	22.46	33.00	PASS

BAND41	15MHz	64QAM	40620	36RB#0	20.45	21.34	33.00	PASS
BAND41	15MHz	64QAM	40620	36RB#18	20.39	21.28	33.00	PASS
BAND41	15MHz	64QAM	40620	36RB#39	20.42	21.31	33.00	PASS
BAND41	15MHz	64QAM	40620	75RB#0	20.41	21.30	33.00	PASS
BAND41	15MHz	64QAM	41515	1RB#0	21.64	22.53	33.00	PASS
BAND41	15MHz	64QAM	41515	1RB#38	21.69	22.58	33.00	PASS
BAND41	15MHz	64QAM	41515	1RB#74	21.60	22.49	33.00	PASS
BAND41	15MHz	64QAM	41515	36RB#0	20.33	21.22	33.00	PASS
BAND41	15MHz	64QAM	41515	36RB#18	20.33	21.22	33.00	PASS
BAND41	15MHz	64QAM	41515	36RB#39	20.39	21.28	33.00	PASS
BAND41	15MHz	64QAM	41515	75RB#0	20.32	21.21	33.00	PASS
BAND41	15MHz	16QAM	39725	1RB#0	22.42	23.31	33.00	PASS
BAND41	15MHz	16QAM	39725	1RB#38	22.75	23.64	33.00	PASS
BAND41	15MHz	16QAM	39725	1RB#74	22.59	23.48	33.00	PASS
BAND41	15MHz	16QAM	39725	36RB#0	21.28	22.17	33.00	PASS
BAND41	15MHz	16QAM	39725	36RB#18	21.46	22.35	33.00	PASS
BAND41	15MHz	16QAM	39725	36RB#39	21.44	22.33	33.00	PASS
BAND41	15MHz	16QAM	39725	75RB#0	21.53	22.42	33.00	PASS
BAND41	15MHz	16QAM	40620	1RB#0	22.51	23.40	33.00	PASS
BAND41	15MHz	16QAM	40620	1RB#38	22.60	23.49	33.00	PASS
BAND41	15MHz	16QAM	40620	1RB#74	22.50	23.39	33.00	PASS
BAND41	15MHz	16QAM	40620	36RB#0	21.42	22.31	33.00	PASS
BAND41	15MHz	16QAM	40620	36RB#18	21.36	22.25	33.00	PASS
BAND41	15MHz	16QAM	40620	36RB#39	21.38	22.27	33.00	PASS
BAND41	15MHz	16QAM	40620	75RB#0	21.44	22.33	33.00	PASS
BAND41	15MHz	16QAM	41515	1RB#0	22.58	23.47	33.00	PASS
BAND41	15MHz	16QAM	41515	1RB#38	22.68	23.57	33.00	PASS
BAND41	15MHz	16QAM	41515	1RB#74	22.57	23.46	33.00	PASS
BAND41	15MHz	16QAM	41515	36RB#0	21.31	22.20	33.00	PASS
BAND41	15MHz	16QAM	41515	36RB#18	21.30	22.19	33.00	PASS
BAND41	15MHz	16QAM	41515	36RB#39	21.36	22.25	33.00	PASS
BAND41	15MHz	16QAM	41515	75RB#0	21.35	22.24	33.00	PASS
BAND41	20MHz	QPSK	39750	1RB#0	23.17	24.06	33.00	PASS
BAND41	20MHz	QPSK	39750	1RB#49	23.03	23.92	33.00	PASS
BAND41	20MHz	QPSK	39750	1RB#99	23.69	24.58	33.00	PASS
BAND41	20MHz	QPSK	39750	50RB#0	22.39	23.28	33.00	PASS
BAND41	20MHz	QPSK	39750	50RB#25	22.55	23.44	33.00	PASS
BAND41	20MHz	QPSK	39750	50RB#50	22.56	23.45	33.00	PASS
BAND41	20MHz	QPSK	39750	100RB#0	22.41	23.30	33.00	PASS
BAND41	20MHz	QPSK	40620	1RB#0	23.31	24.20	33.00	PASS
BAND41	20MHz	QPSK	40620	1RB#49	23.10	23.99	33.00	PASS

BAND41	20MHz	QPSK	40620	1RB#99	23.60	24.49	33.00	PASS
BAND41	20MHz	QPSK	40620	50RB#0	22.50	23.39	33.00	PASS
BAND41	20MHz	QPSK	40620	50RB#25	22.73	23.62	33.00	PASS
BAND41	20MHz	QPSK	40620	50RB#50	22.47	23.36	33.00	PASS
BAND41	20MHz	QPSK	40620	100RB#0	22.50	23.39	33.00	PASS
BAND41	20MHz	QPSK	41490	1RB#0	23.23	24.12	33.00	PASS
BAND41	20MHz	QPSK	41490	1RB#49	22.90	23.79	33.00	PASS
BAND41	20MHz	QPSK	41490	1RB#99	23.48	24.37	33.00	PASS
BAND41	20MHz	QPSK	41490	50RB#0	22.49	23.38	33.00	PASS
BAND41	20MHz	QPSK	41490	50RB#25	22.34	23.23	33.00	PASS
BAND41	20MHz	QPSK	41490	50RB#50	22.42	23.31	33.00	PASS
BAND41	20MHz	QPSK	41490	100RB#0	22.48	23.37	33.00	PASS
BAND41	20MHz	64QAM	39750	1RB#0	22.22	23.11	33.00	PASS
BAND41	20MHz	64QAM	39750	1RB#49	22.46	23.35	33.00	PASS
BAND41	20MHz	64QAM	39750	1RB#99	22.63	23.52	33.00	PASS
BAND41	20MHz	64QAM	39750	50RB#0	21.28	22.17	33.00	PASS
BAND41	20MHz	64QAM	39750	50RB#25	21.46	22.35	33.00	PASS
BAND41	20MHz	64QAM	39750	50RB#50	21.44	22.33	33.00	PASS
BAND41	20MHz	64QAM	39750	100RB#0	21.32	22.21	33.00	PASS
BAND41	20MHz	64QAM	40620	1RB#0	21.41	22.30	33.00	PASS
BAND41	20MHz	64QAM	40620	1RB#49	21.28	22.17	33.00	PASS
BAND41	20MHz	64QAM	40620	1RB#99	21.74	22.63	33.00	PASS
BAND41	20MHz	64QAM	40620	50RB#0	20.43	21.32	33.00	PASS
BAND41	20MHz	64QAM	40620	50RB#25	20.57	21.46	33.00	PASS
BAND41	20MHz	64QAM	40620	50RB#50	20.40	21.29	33.00	PASS
BAND41	20MHz	64QAM	40620	100RB#0	20.45	21.34	33.00	PASS
BAND41	20MHz	64QAM	41490	1RB#0	21.44	22.33	33.00	PASS
BAND41	20MHz	64QAM	41490	1RB#49	21.12	22.01	33.00	PASS
BAND41	20MHz	64QAM	41490	1RB#99	21.69	22.58	33.00	PASS
BAND41	20MHz	64QAM	41490	50RB#0	20.45	21.34	33.00	PASS
BAND41	20MHz	64QAM	41490	50RB#25	20.24	21.13	33.00	PASS
BAND41	20MHz	64QAM	41490	50RB#50	20.24	21.13	33.00	PASS
BAND41	20MHz	64QAM	41490	100RB#0	20.45	21.34	33.00	PASS
BAND41	20MHz	16QAM	39750	1RB#0	22.24	23.13	33.00	PASS
BAND41	20MHz	16QAM	39750	1RB#49	22.35	23.24	33.00	PASS
BAND41	20MHz	16QAM	39750	1RB#99	22.74	23.63	33.00	PASS
BAND41	20MHz	16QAM	39750	50RB#0	21.26	22.15	33.00	PASS
BAND41	20MHz	16QAM	39750	50RB#25	21.46	22.35	33.00	PASS
BAND41	20MHz	16QAM	39750	50RB#50	21.47	22.36	33.00	PASS
BAND41	20MHz	16QAM	39750	100RB#0	21.37	22.26	33.00	PASS
BAND41	20MHz	16QAM	40620	1RB#0	22.38	23.27	33.00	PASS

BAND41	20MHz	16QAM	40620	1RB#49	22.47	23.36	33.00	PASS
BAND41	20MHz	16QAM	40620	1RB#99	22.68	23.57	33.00	PASS
BAND41	20MHz	16QAM	40620	50RB#0	21.42	22.31	33.00	PASS
BAND41	20MHz	16QAM	40620	50RB#25	21.60	22.49	33.00	PASS
BAND41	20MHz	16QAM	40620	50RB#50	21.40	22.29	33.00	PASS
BAND41	20MHz	16QAM	40620	100RB#0	21.46	22.35	33.00	PASS
BAND41	20MHz	16QAM	41490	1RB#0	22.30	23.19	33.00	PASS
BAND41	20MHz	16QAM	41490	1RB#49	22.34	23.23	33.00	PASS
BAND41	20MHz	16QAM	41490	1RB#99	22.70	23.59	33.00	PASS
BAND41	20MHz	16QAM	41490	50RB#0	21.45	22.34	33.00	PASS
BAND41	20MHz	16QAM	41490	50RB#25	21.27	22.16	33.00	PASS
BAND41	20MHz	16QAM	41490	50RB#50	21.26	22.15	33.00	PASS
BAND41	20MHz	16QAM	41490	100RB#0	21.46	22.35	33.00	PASS

Note:

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

ERP [dBm] = SGP [dBm] - Cable Loss [dB] + Gain [dBd]

EIRP [dBm] = SGP [dBm] – Cable Loss [dB] + Gain [dBi]

b: SGP=Signal Generator Level

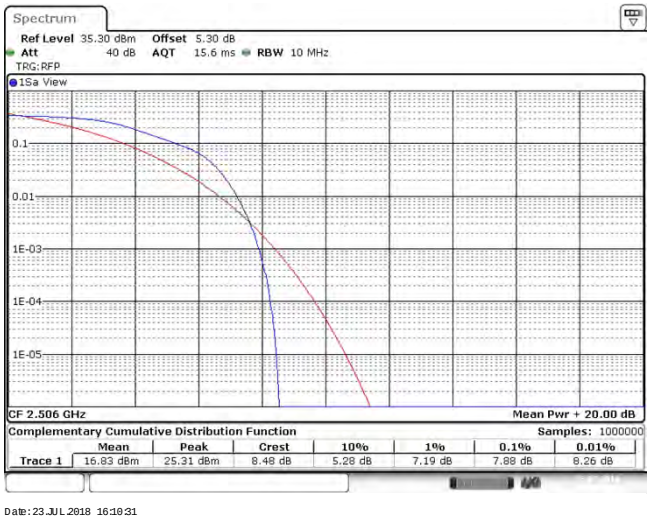
2. Peak-to-Average Ratio(CCDF)

2.1. Test Result

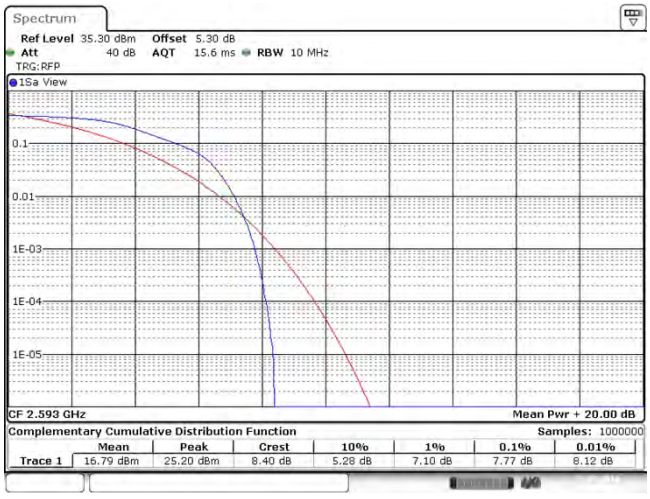
BAND	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
BAND41	20MHz	QPSK	39750	100RB#0	7.88	13	PASS
BAND41	20MHz	QPSK	40620	100RB#0	7.77	13	PASS
BAND41	20MHz	QPSK	41490	100RB#0	7.80	13	PASS
BAND41	20MHz	64QAM	39750	100RB#0	9.51	13	PASS
BAND41	20MHz	64QAM	40620	100RB#0	9.74	13	PASS
BAND41	20MHz	64QAM	41490	100RB#0	9.83	13	PASS
BAND41	20MHz	16QAM	39750	100RB#0	9.45	13	PASS
BAND41	20MHz	16QAM	40620	100RB#0	9.42	13	PASS
BAND41	20MHz	16QAM	41490	100RB#0	9.45	13	PASS

2.2. Test Plots

BAND41_20MHz_QPSK_39750_100RB#0



BAND41_20MHz_QPSK_40620_100RB#0



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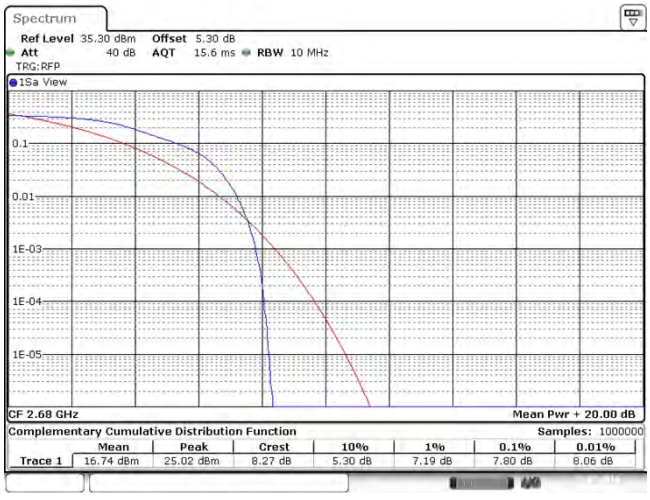

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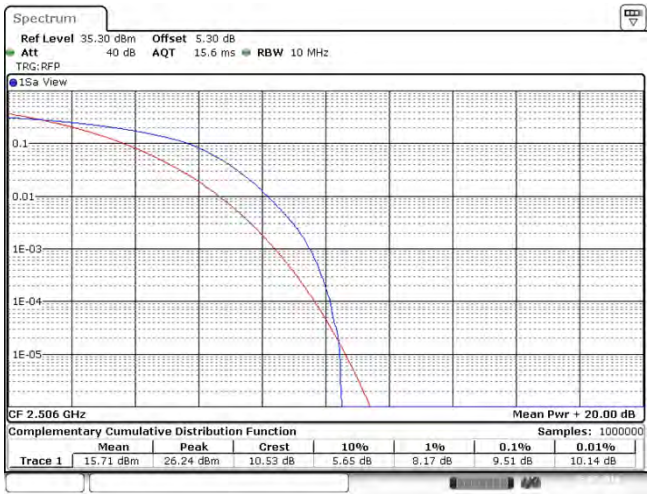

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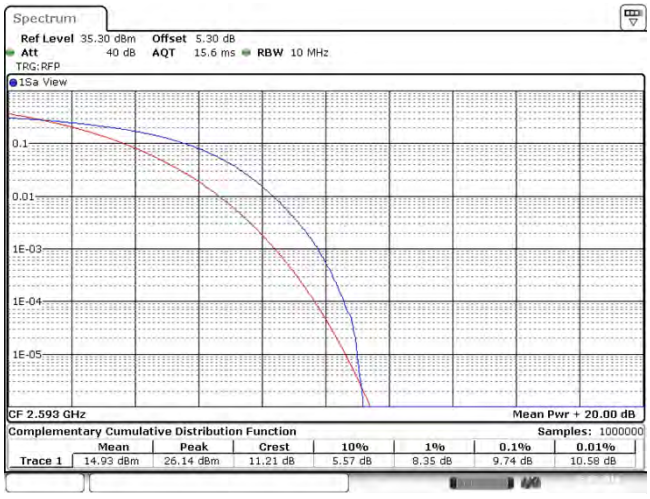

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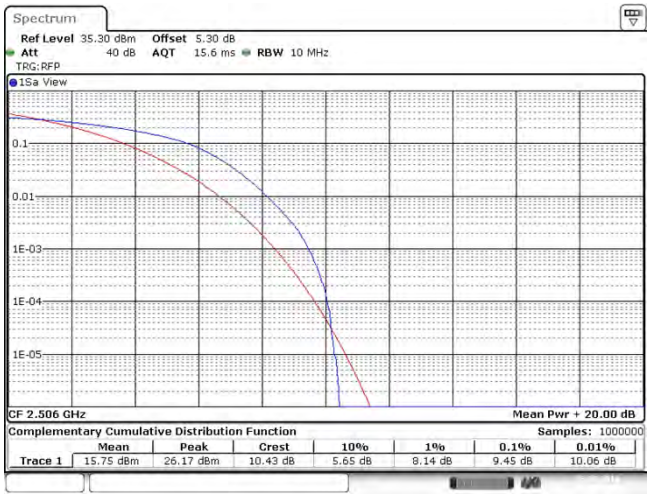
BAND41_20MHz_16QAM_39750_100RB#0



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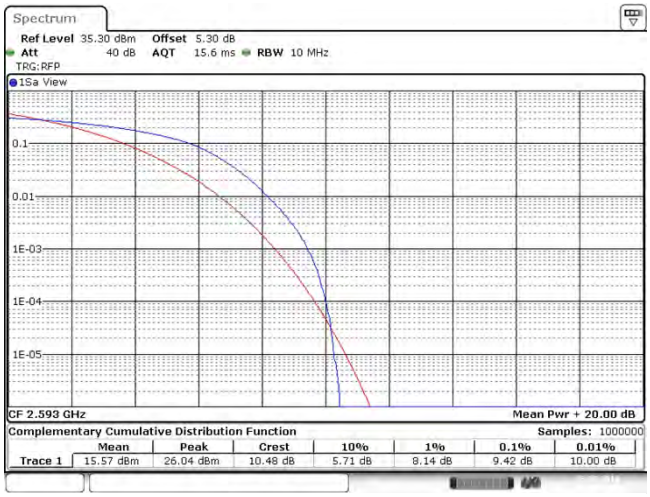
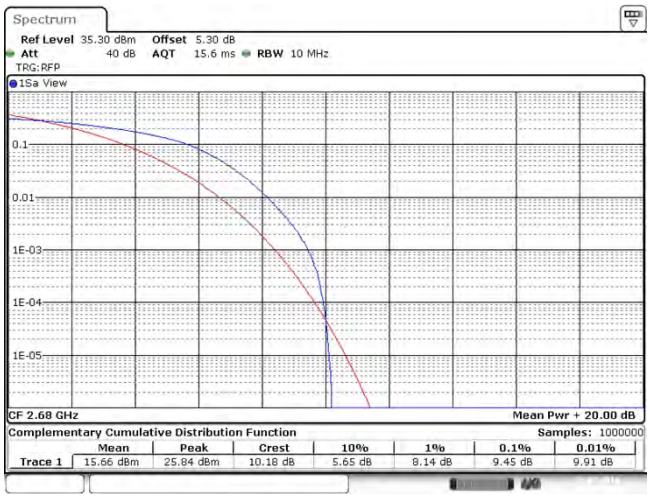


BAND41_20MHz_16QAM_41490_100RB#0

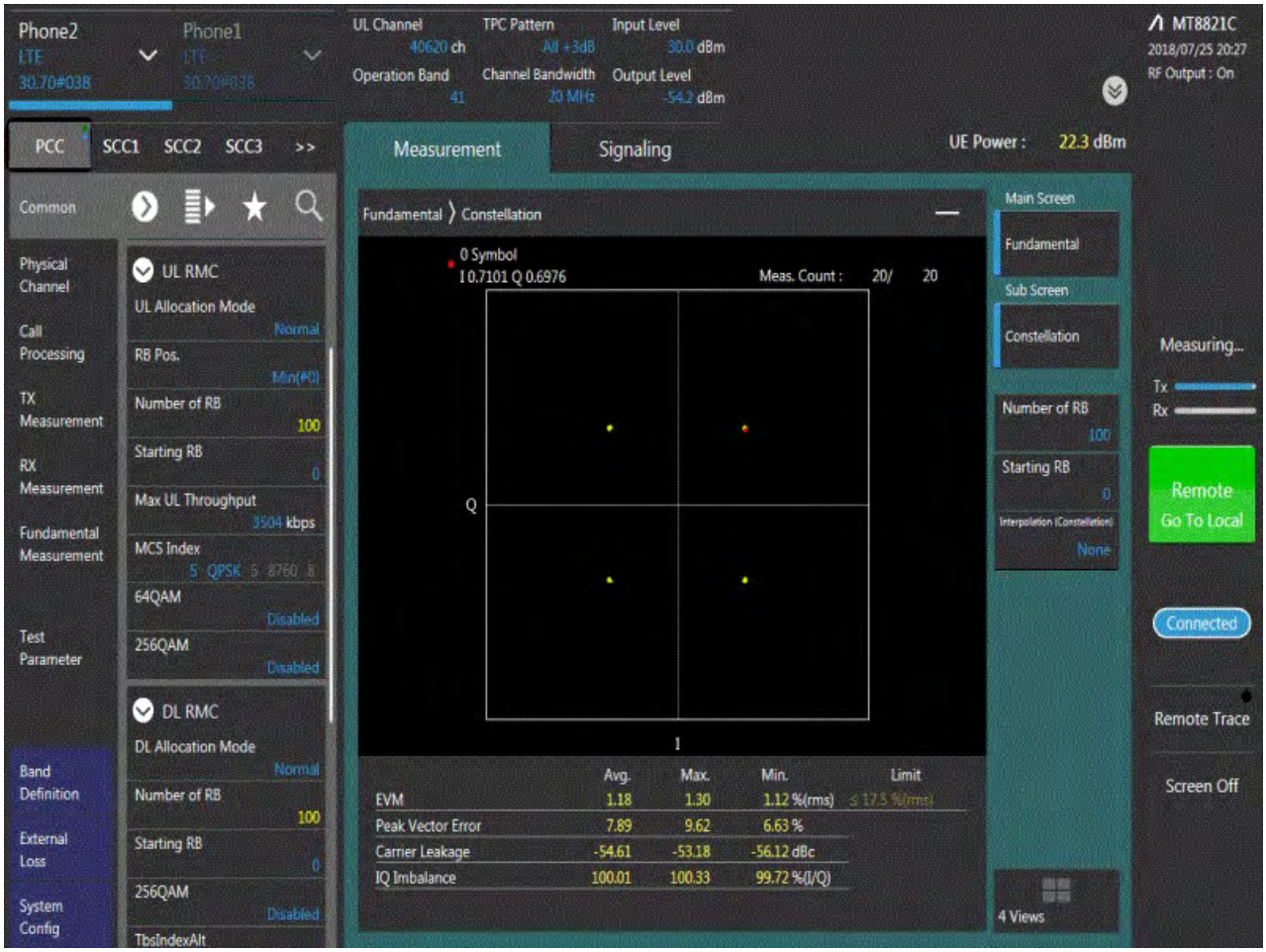


3. Modulation Characteristics

3.1. Test BAND = LTE BAND41

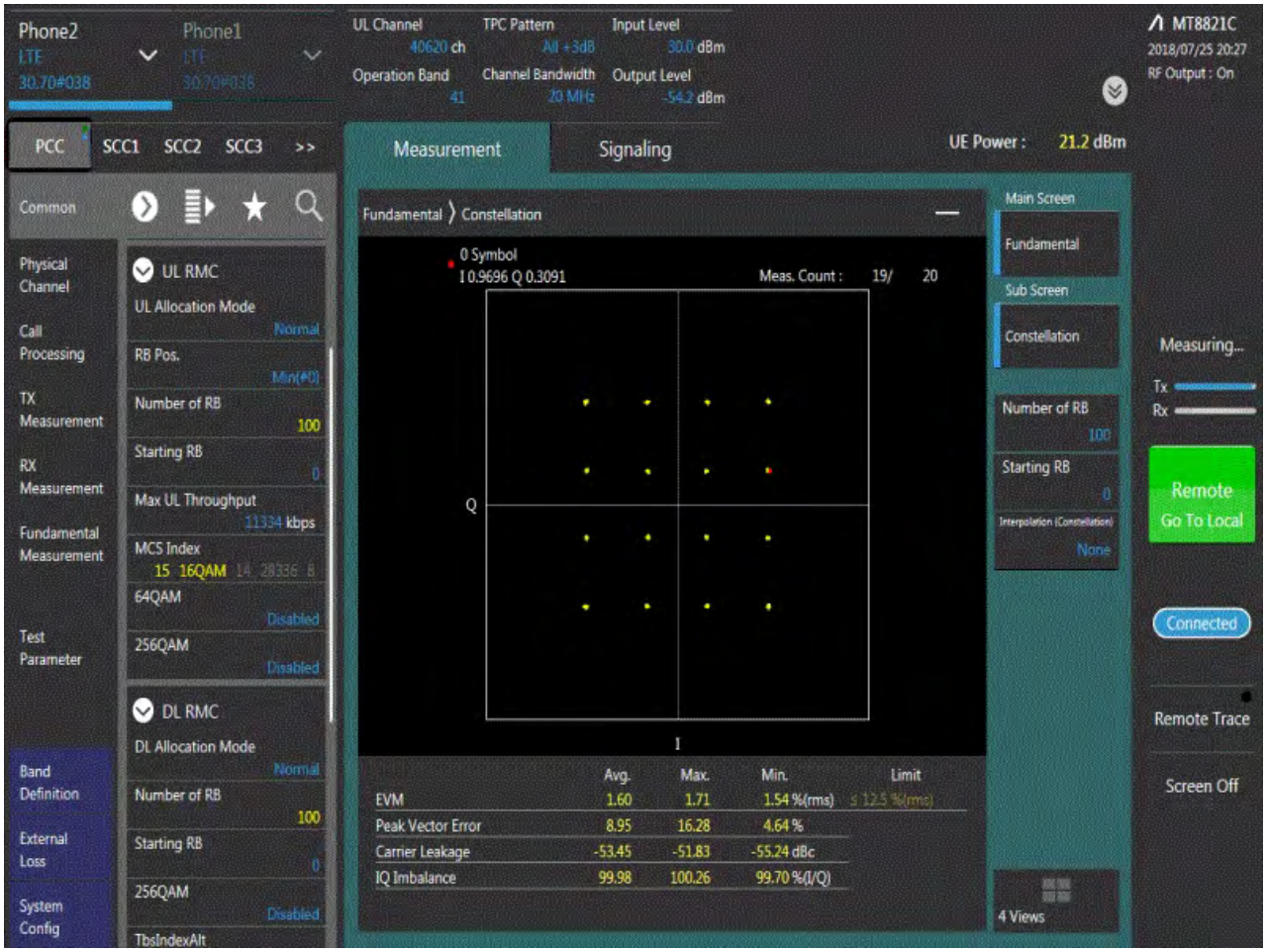
3.1.1. Test Mode = LTE /TM1 20MHz

3.1.1.1. Test Channel = MCH



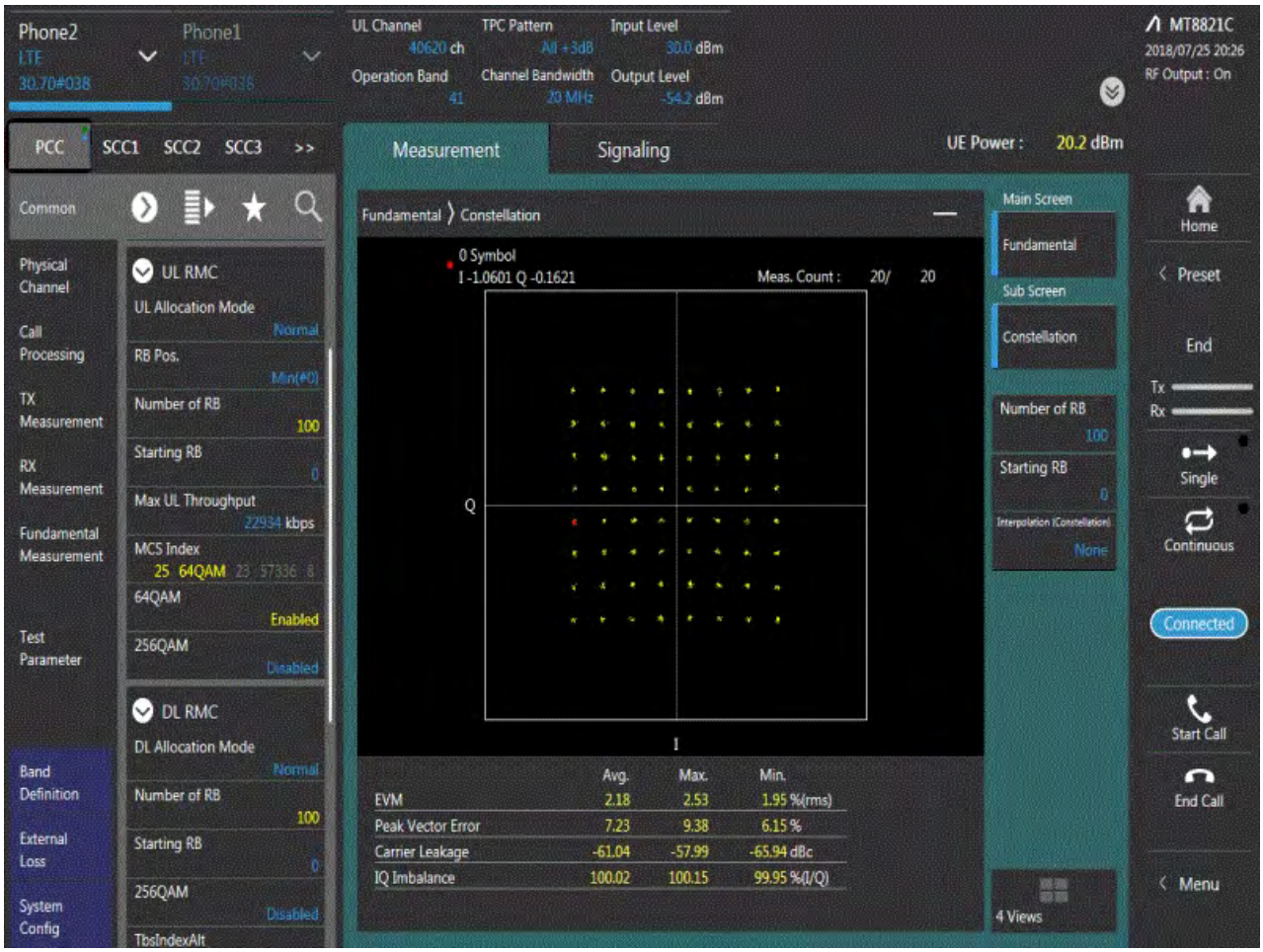
3.1.2. Test Mode = LTE /TM2 20MHz

3.1.2.1. Test Channel = MCH



3.1.1. Test Mode = LTE /TM3 20MHz

3.1.1.1. Test Channel = MCH



4. 26dB Bandwidth and Occupied Bandwidth

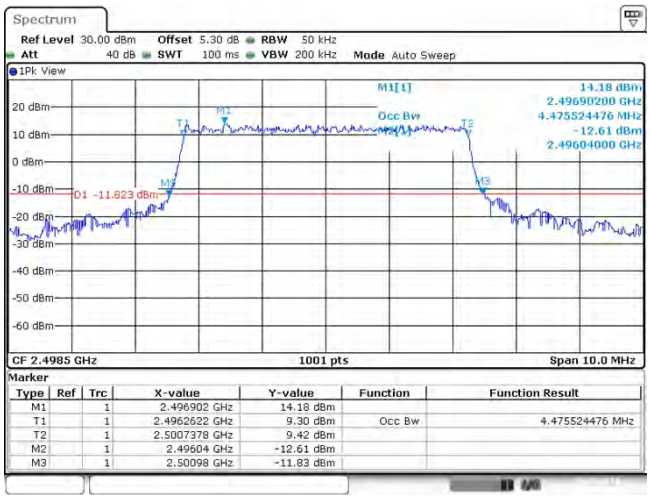
4.1. Test Result

BAND	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
BAND41	5MHz	QPSK	39675	25RB#0	4.476	4.940	PASS
BAND41	5MHz	QPSK	40620	25RB#0	4.476	4.960	PASS
BAND41	5MHz	QPSK	41565	25RB#0	4.476	4.910	PASS
BAND41	5MHz	64QAM	39675	25RB#0	4.466	4.970	PASS
BAND41	5MHz	64QAM	40620	25RB#0	4.476	4.870	PASS
BAND41	5MHz	64QAM	41565	25RB#0	4.466	4.890	PASS
BAND41	5MHz	16QAM	39675	25RB#0	4.466	4.900	PASS
BAND41	5MHz	16QAM	40620	25RB#0	4.466	4.880	PASS
BAND41	5MHz	16QAM	41565	25RB#0	4.466	4.900	PASS
BAND41	10MHz	QPSK	39700	50RB#0	8.911	9.700	PASS
BAND41	10MHz	QPSK	40620	50RB#0	8.911	9.760	PASS
BAND41	10MHz	QPSK	41540	50RB#0	8.911	9.760	PASS
BAND41	10MHz	64QAM	39700	50RB#0	8.951	9.800	PASS
BAND41	10MHz	64QAM	40620	50RB#0	8.951	9.800	PASS
BAND41	10MHz	64QAM	41540	50RB#0	8.951	9.760	PASS
BAND41	10MHz	16QAM	39700	50RB#0	8.951	9.800	PASS
BAND41	10MHz	16QAM	40620	50RB#0	8.951	9.800	PASS
BAND41	10MHz	16QAM	41540	50RB#0	8.951	9.780	PASS
BAND41	15MHz	QPSK	39725	75RB#0	13.516	15.060	PASS
BAND41	15MHz	QPSK	40620	75RB#0	13.487	15.120	PASS
BAND41	15MHz	QPSK	41515	75RB#0	13.487	14.970	PASS
BAND41	15MHz	64QAM	39725	75RB#0	13.487	15.000	PASS
BAND41	15MHz	64QAM	40620	75RB#0	13.516	15.120	PASS
BAND41	15MHz	64QAM	41515	75RB#0	13.516	15.210	PASS
BAND41	15MHz	16QAM	39725	75RB#0	13.516	15.120	PASS
BAND41	15MHz	16QAM	40620	75RB#0	13.546	15.060	PASS
BAND41	15MHz	16QAM	41515	75RB#0	13.516	15.060	PASS
BAND41	20MHz	QPSK	39750	100RB#0	17.942	19.760	PASS
BAND41	20MHz	QPSK	40620	100RB#0	17.942	19.800	PASS
BAND41	20MHz	QPSK	41490	100RB#0	17.942	19.680	PASS
BAND41	20MHz	64QAM	39750	100RB#0	17.942	19.840	PASS
BAND41	20MHz	64QAM	40620	100RB#0	17.902	19.560	PASS
BAND41	20MHz	64QAM	41490	100RB#0	17.942	19.680	PASS

BAND41	20MHz	16QAM	39750	100RB#0	18.022	19.800	PASS
BAND41	20MHz	16QAM	40620	100RB#0	17.942	19.880	PASS
BAND41	20MHz	16QAM	41490	100RB#0	17.942	19.800	PASS

4.2. Test Plots

BAND41_5MHz_QPSK_39675_25RB#0



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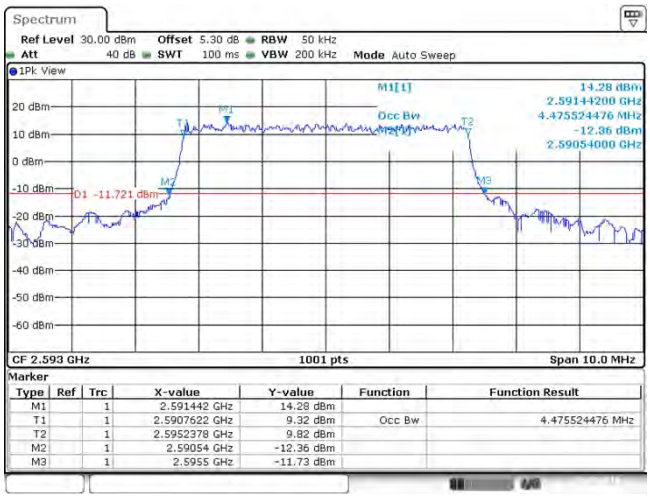

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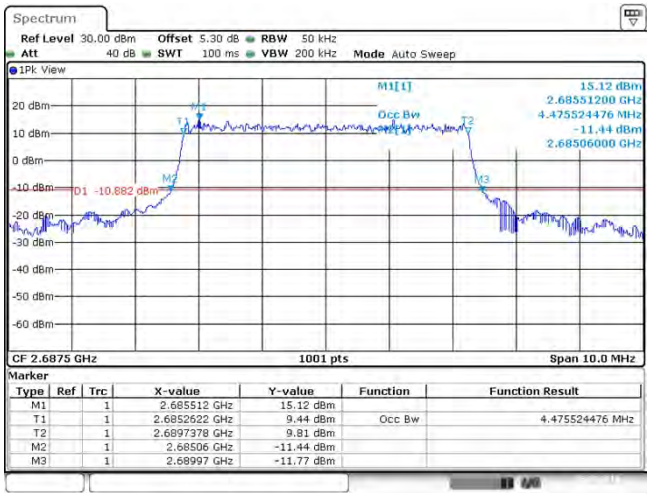

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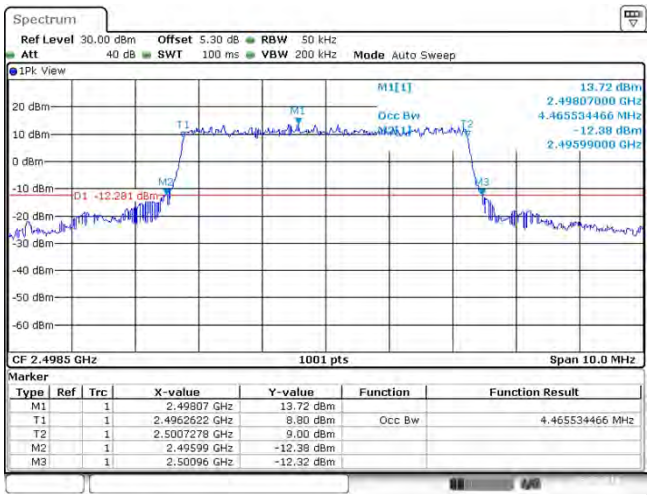

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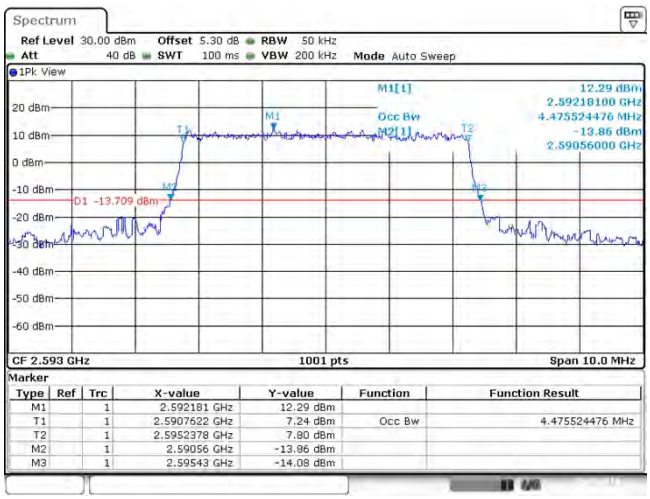

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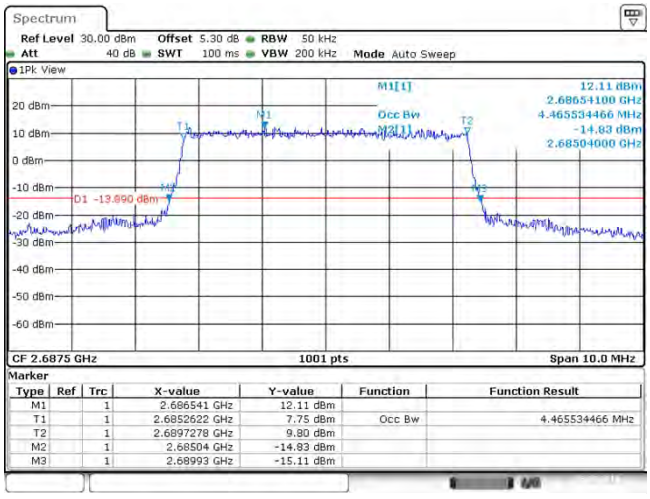

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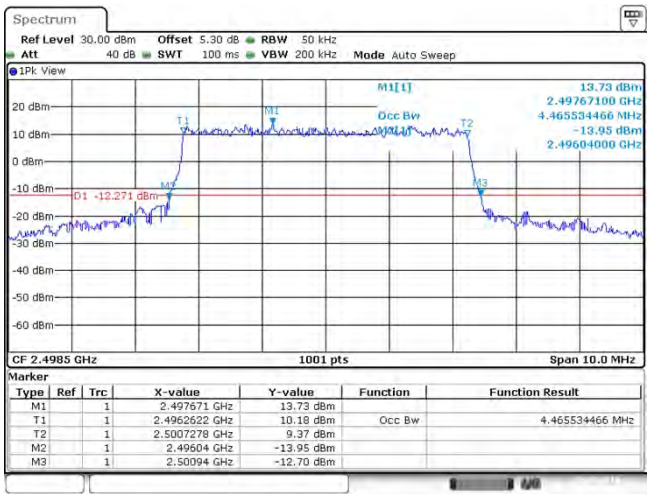
BAND41_5MHz_16QAM_39675_25RB#0



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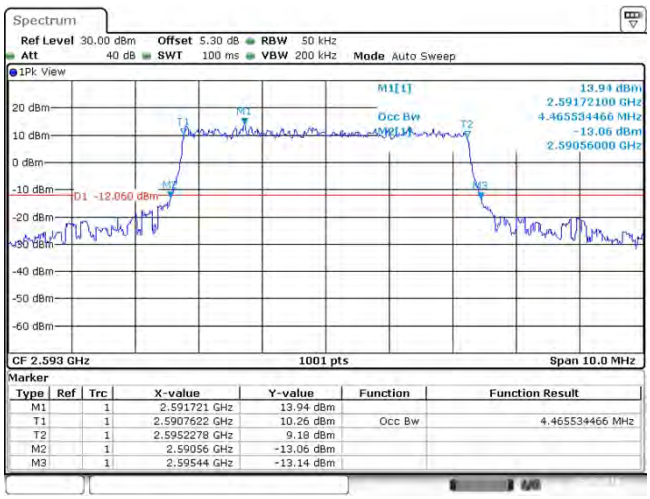

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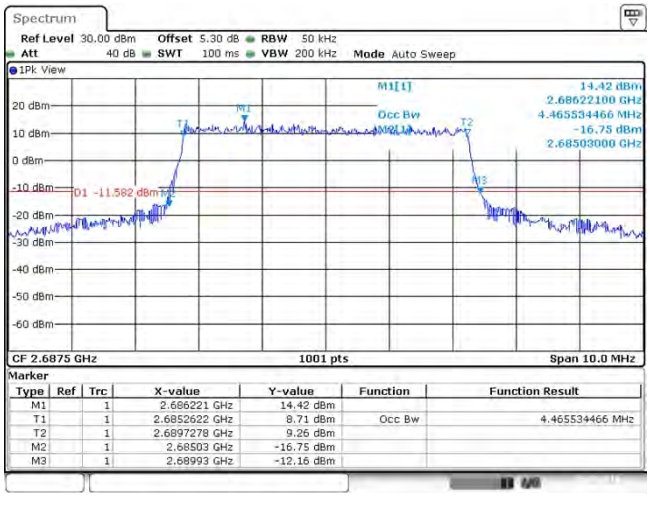
BAND41_5MHz_16QAM_41565_25RB#0



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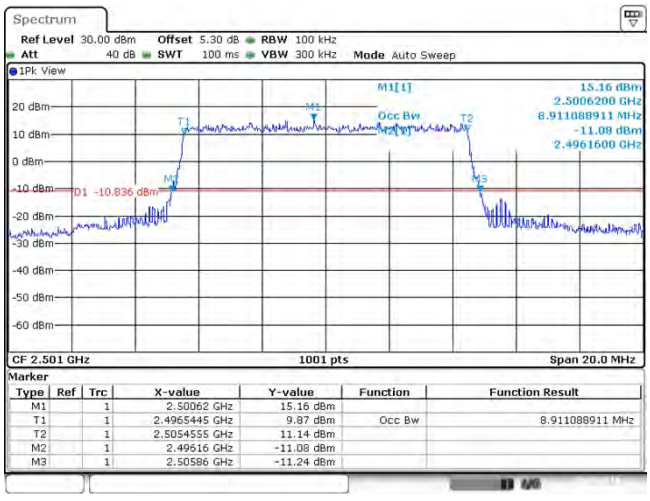
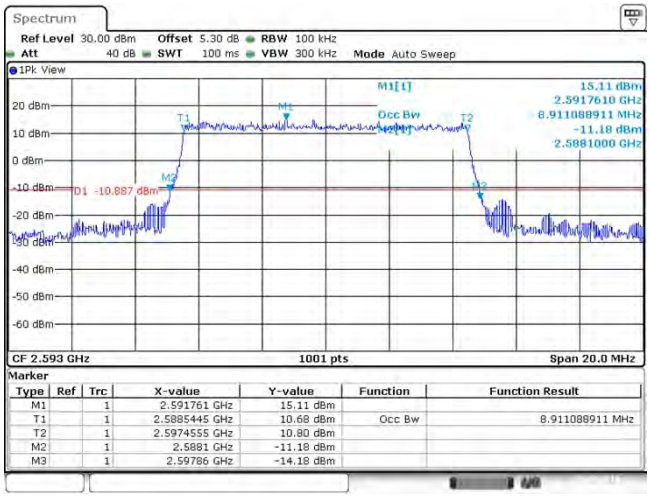


BAND41_10MHz_QPSK_40620_50RB#0



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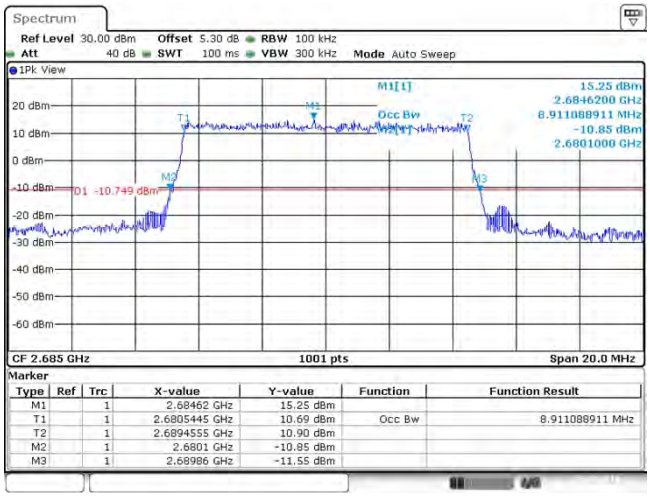
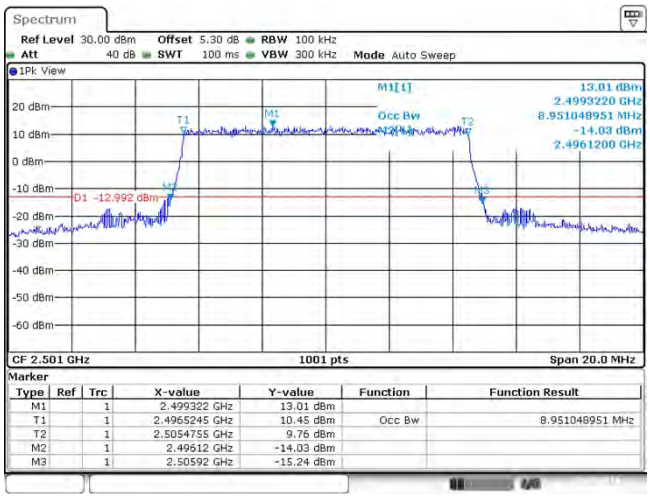


BAND41_10MHz_64QAM_39700_50RB#0



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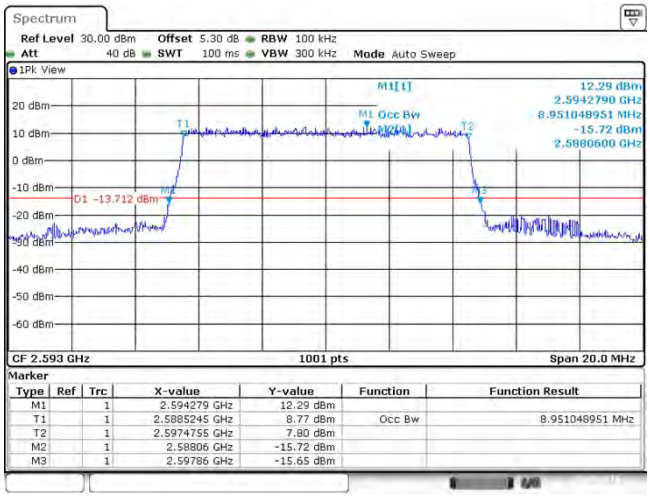

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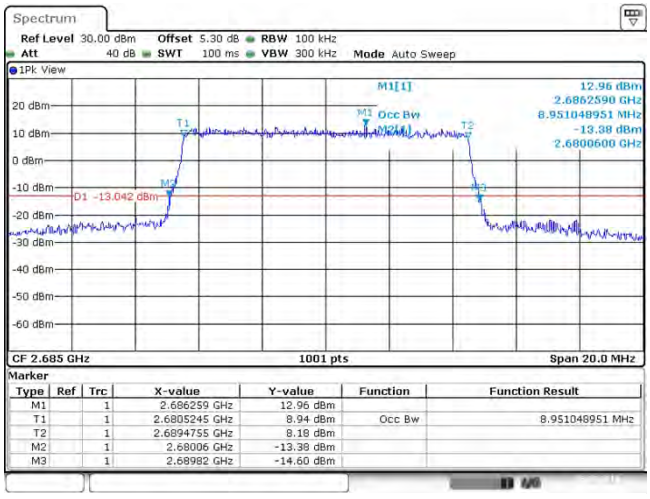

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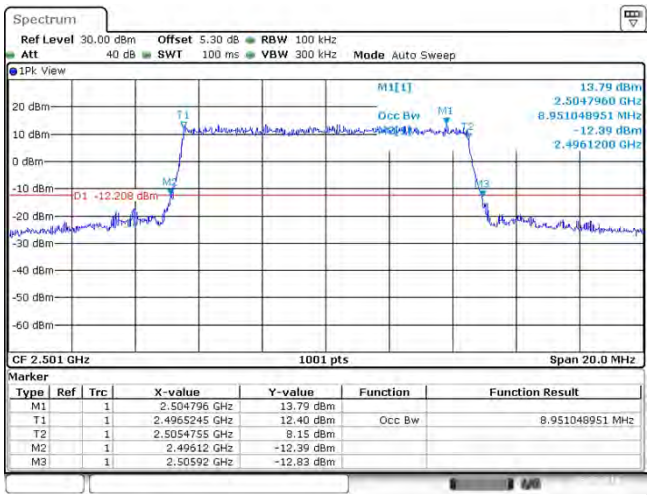

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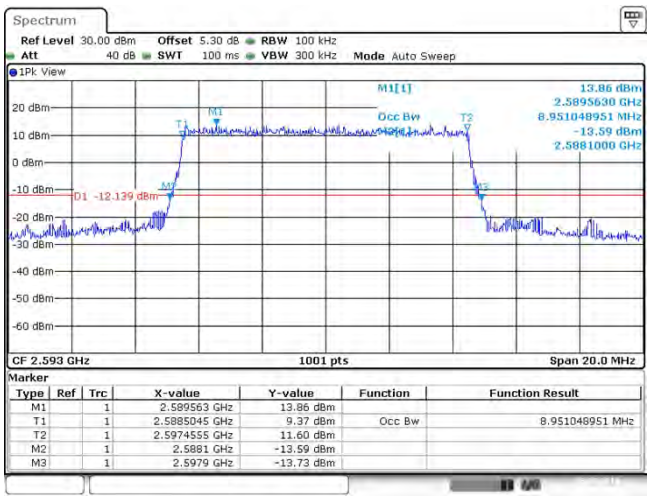
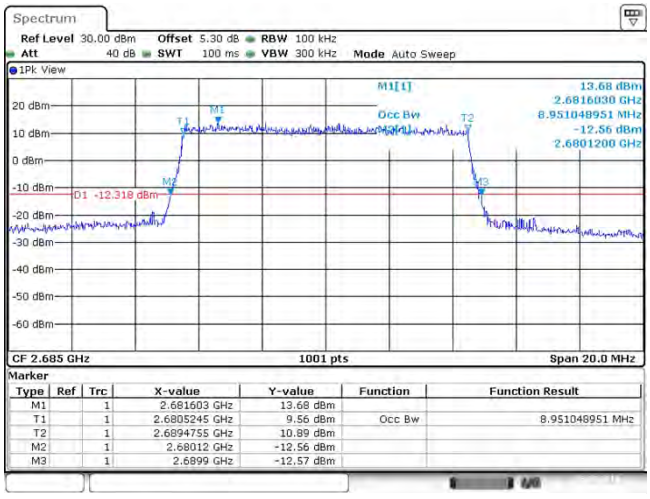


BAND41_10MHz_16QAM_41540_50RB#0



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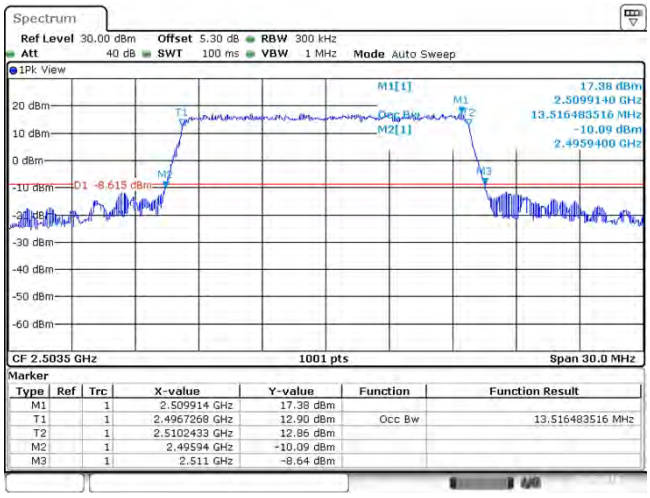

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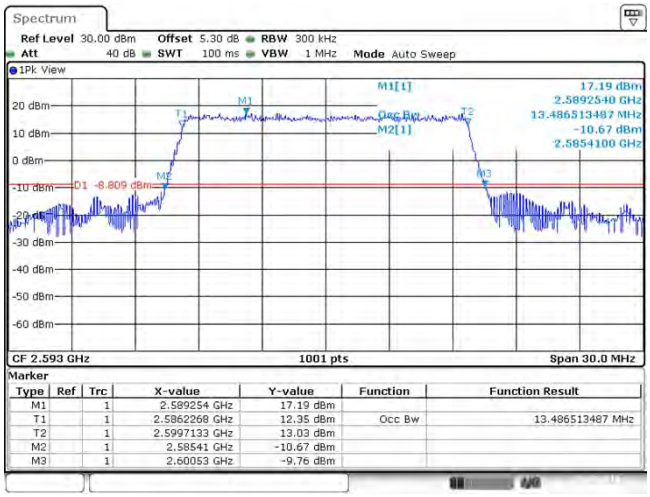
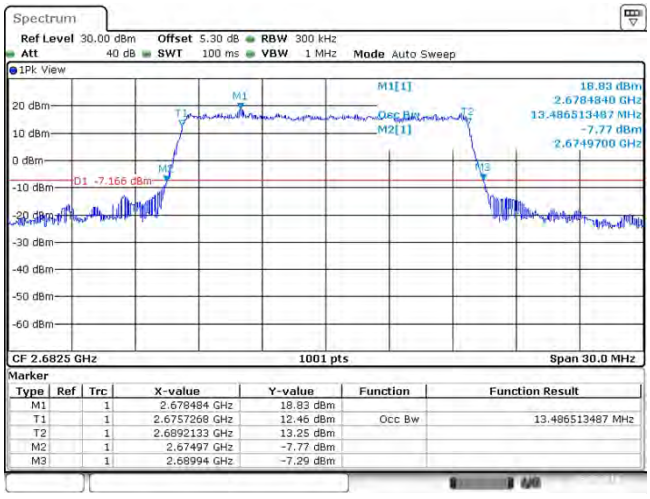


BAND41_15MHz_QPSK_41515_75RB#0



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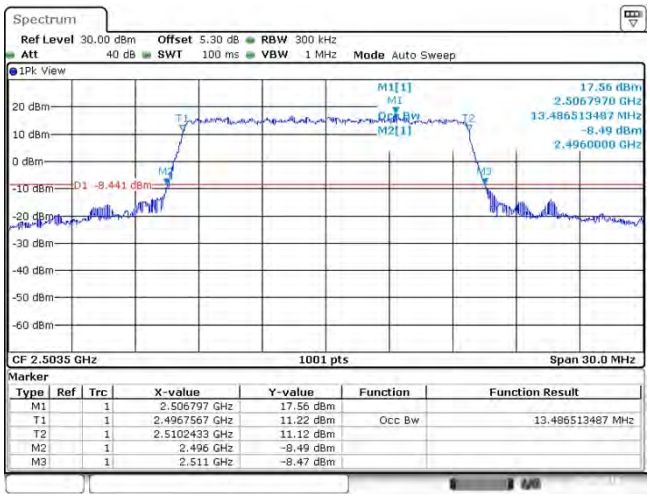

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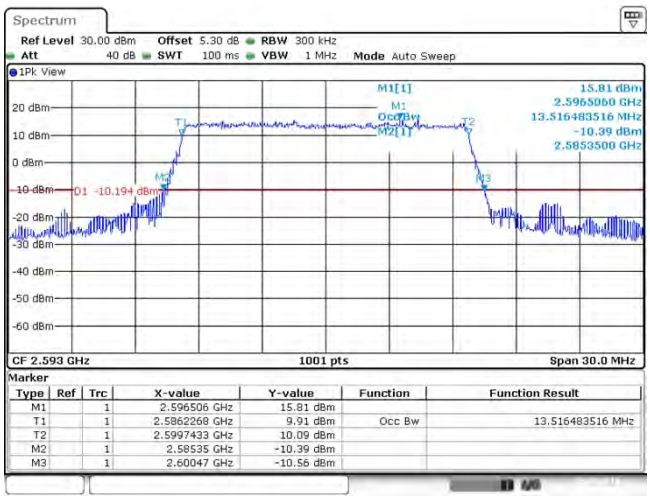

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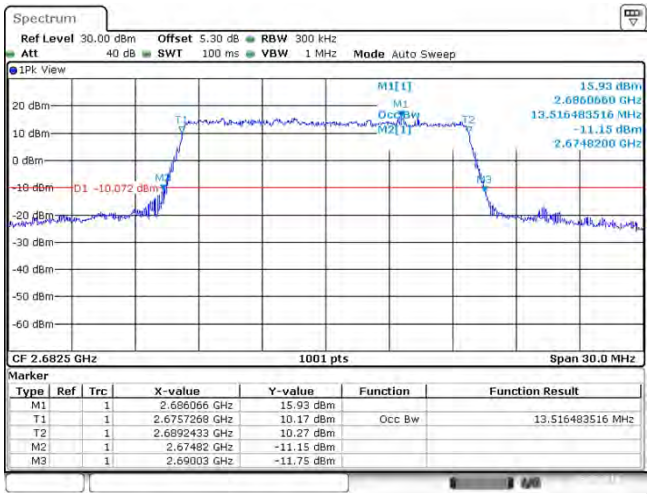
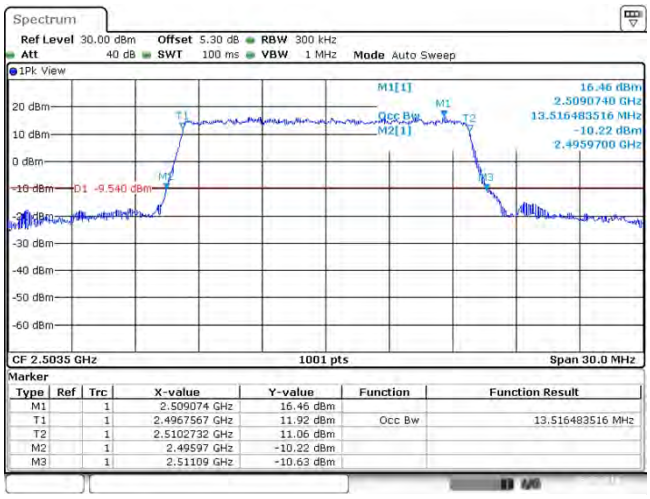


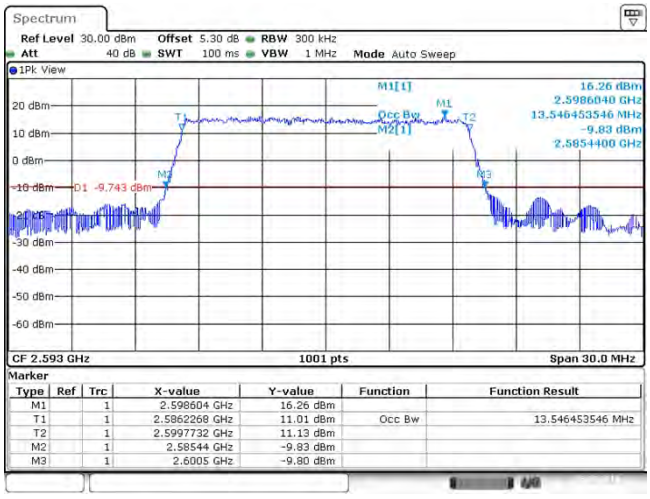
Date: 23.JUL.2018 17:55:24

BAND41_15MHz_16QAM_39725_75RB#0



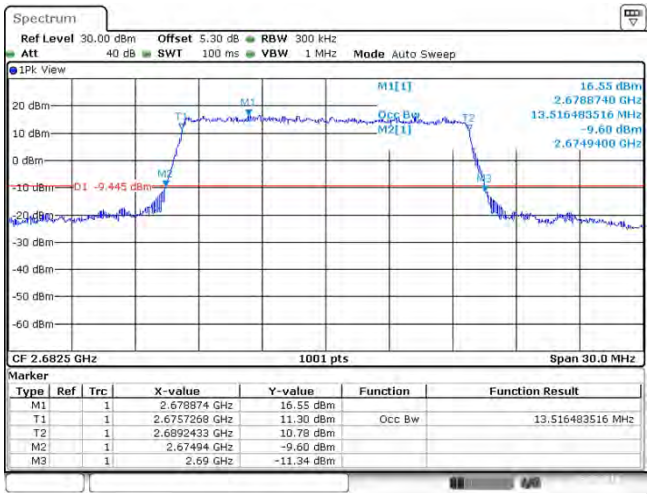
Date: 23.JUL.2018 17:53:54

BAND41_15MHz_16QAM_40620_75RB#0



Date: 23.JUL.2018 17:54:33

BAND41_15MHz_16QAM_41515_75RB#0



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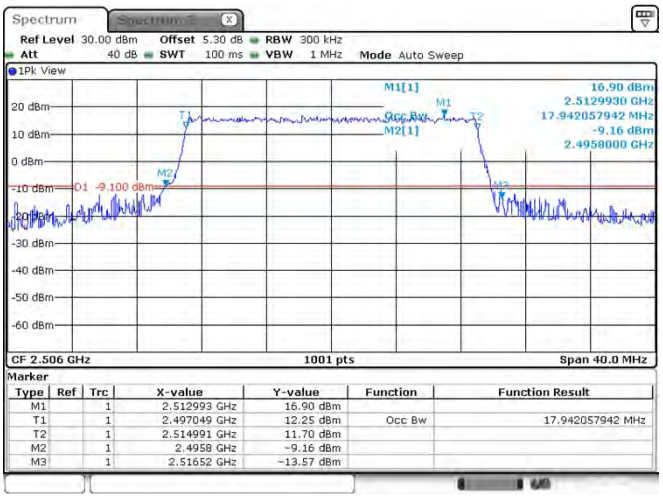

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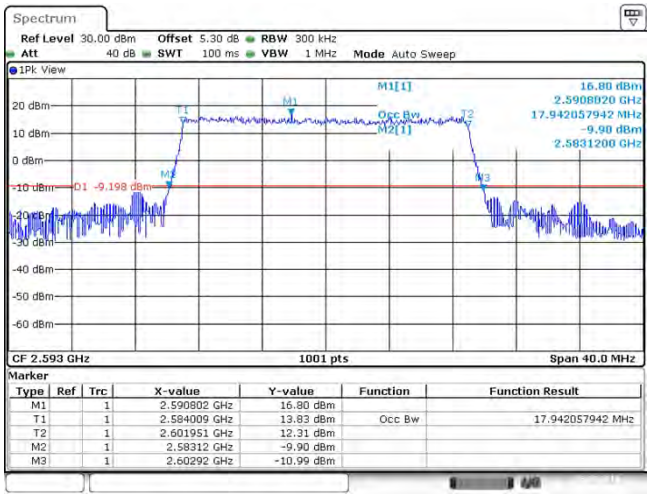

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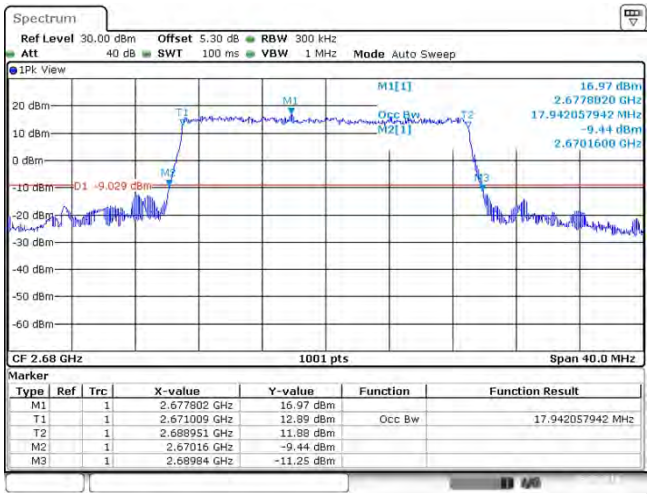

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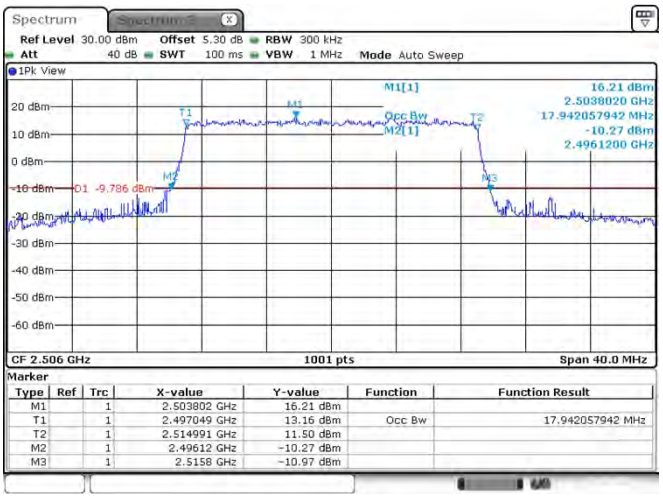

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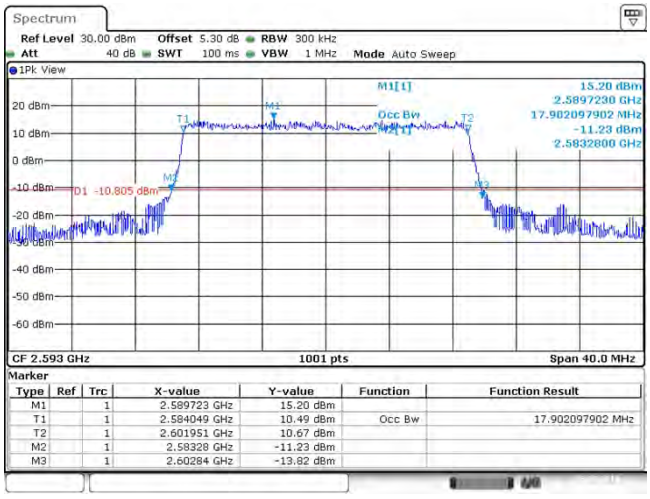

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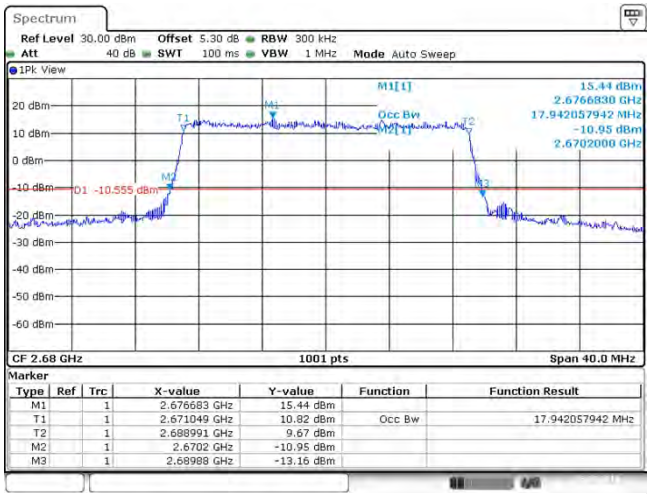
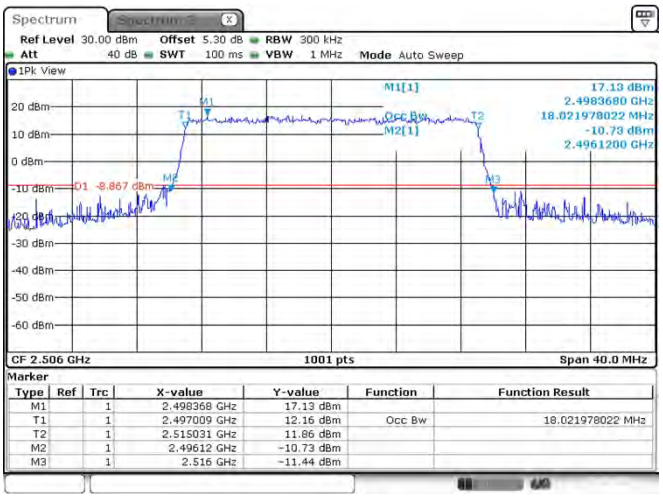


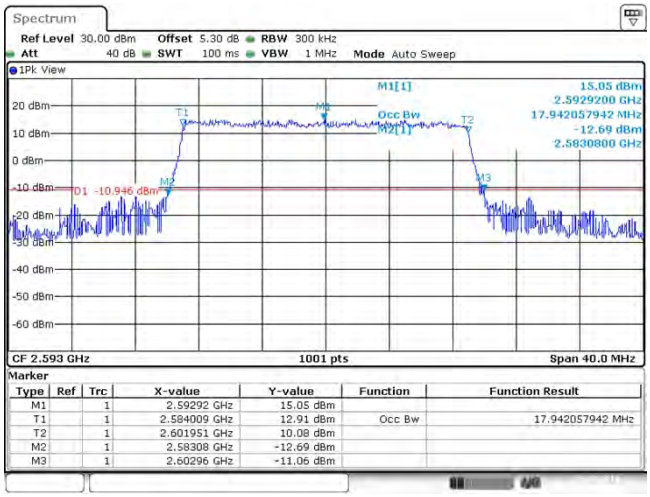
Date: 23.JUL.2018 17:57:25

BAND41_20MHz_16QAM_39750_100RB#0



Date: 15.AUG.2018 10:20:50

BAND41_20MHz_16QAM_40620_100RB#0



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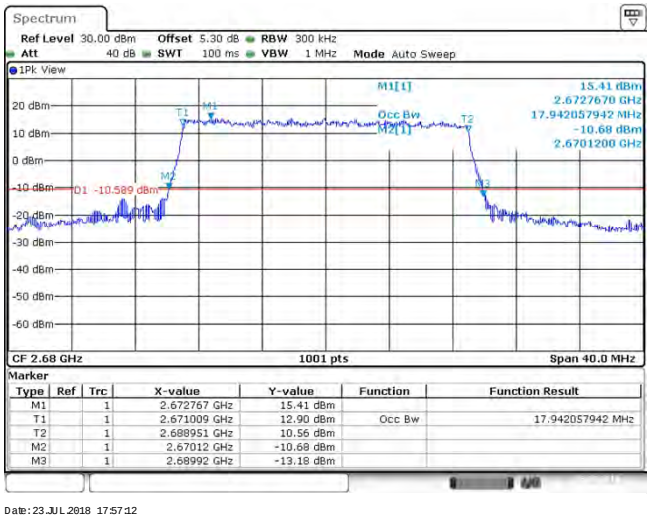
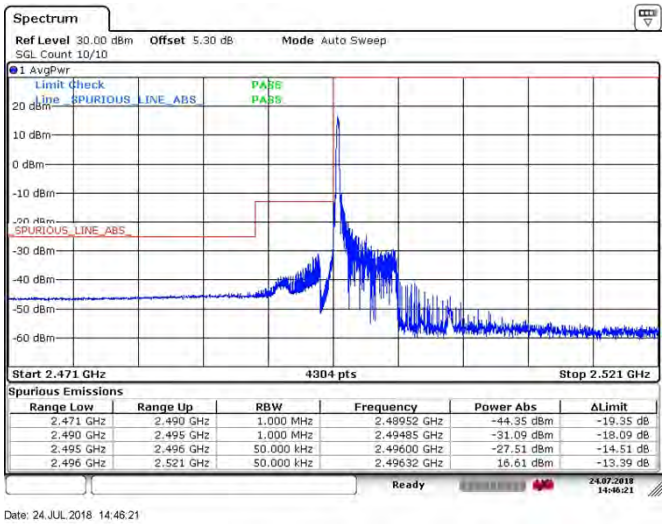
BAND41_20MHz_16QAM_41490_100RB#0



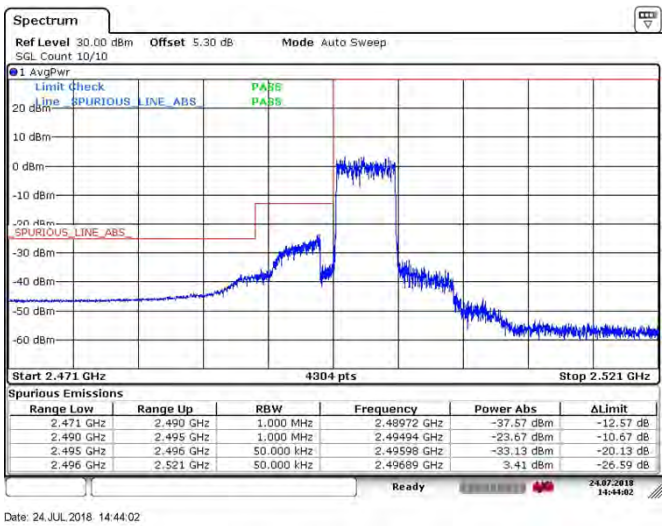
5. Band Edge Compliance

5.1. Test Plots

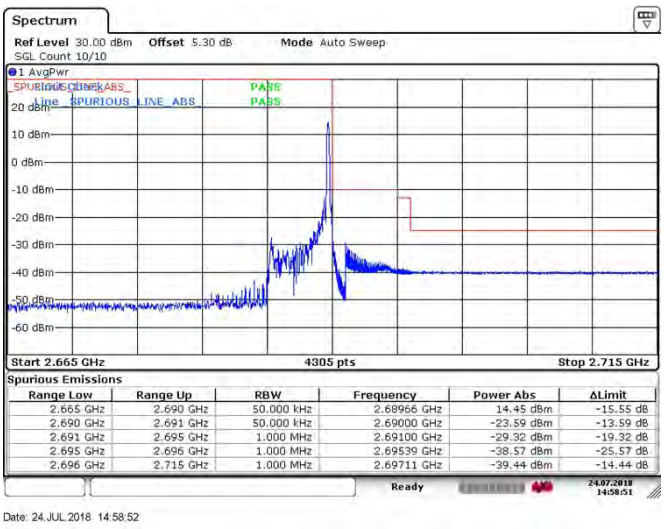
BAND 41_5MHz_QPSK_39675_1RB#0



BAND 41_5MHz_QPSK_39675_25RB#0



BAND 41_5MHz_QPSK_41565_1RB#24



Date: 24.JUL.2018 14:58:52

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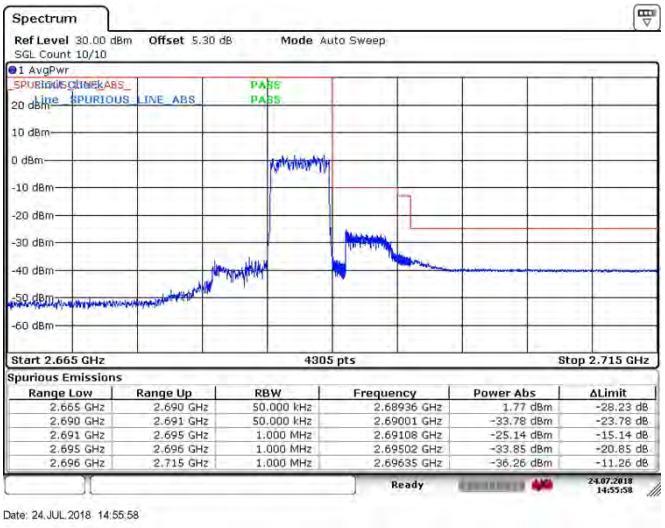

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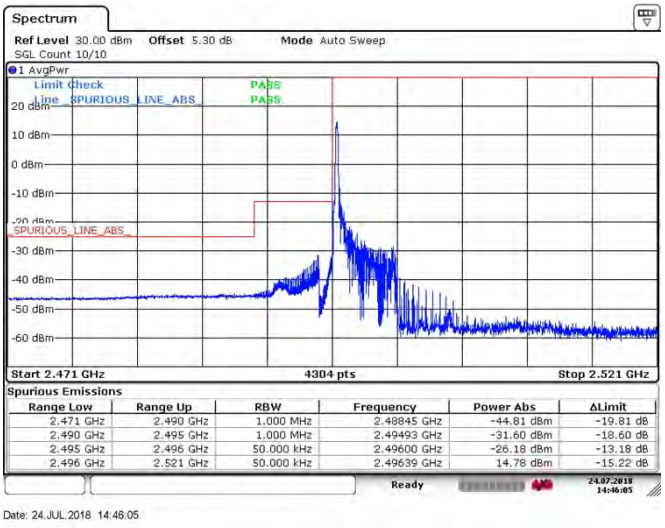

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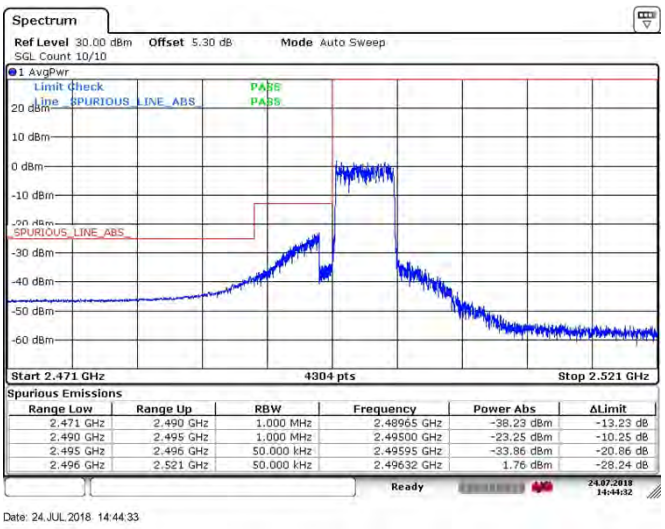

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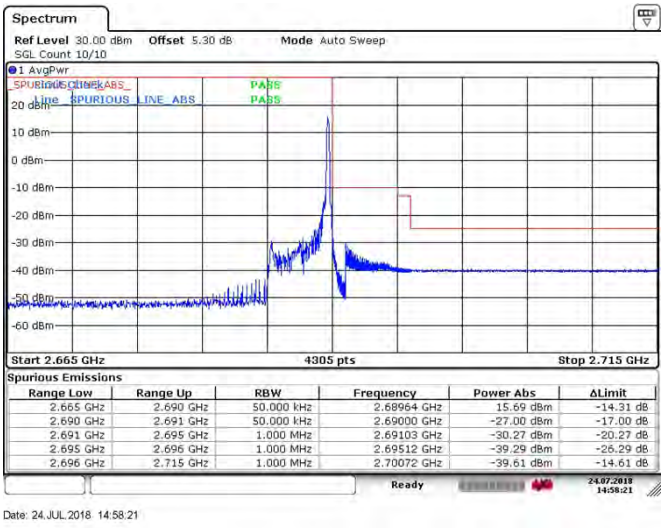
BAND 41_5MHz_16QAM_41565_1RB#24



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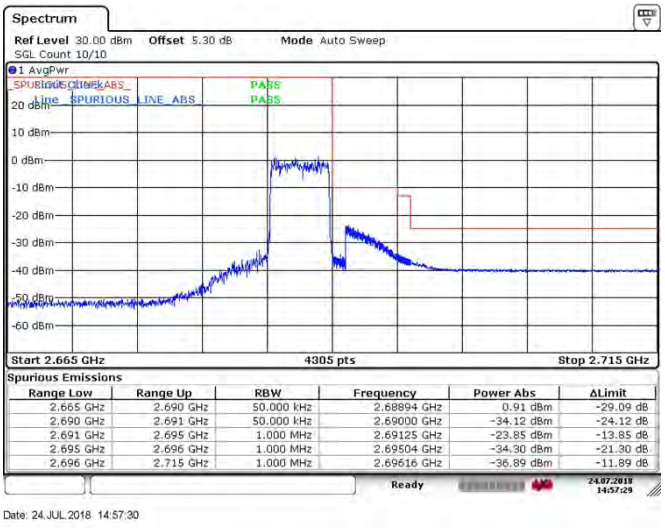

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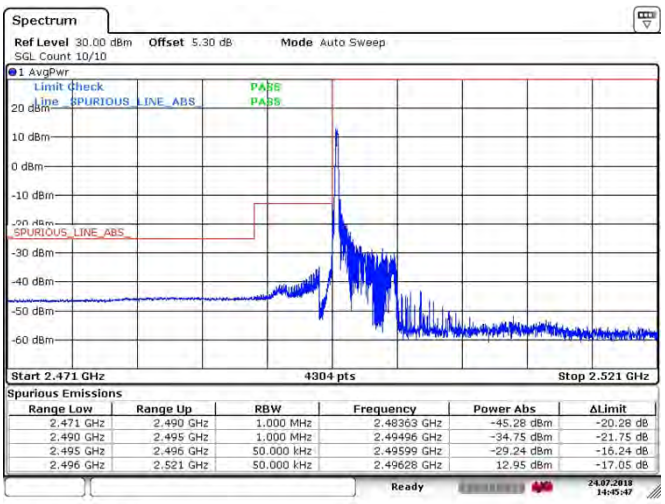
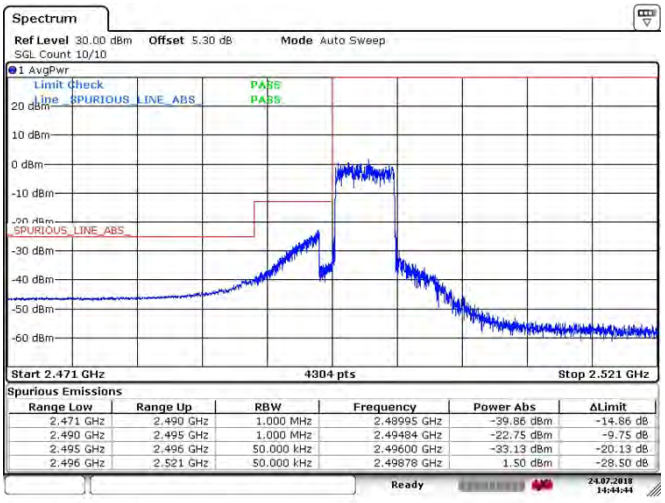
BAND 41_5MHz_64QAM_39675_1RB#0



Date: 24.JUL.2018 14:45:48

BAND 41_5MHz_64QAM_39675_25RB#0



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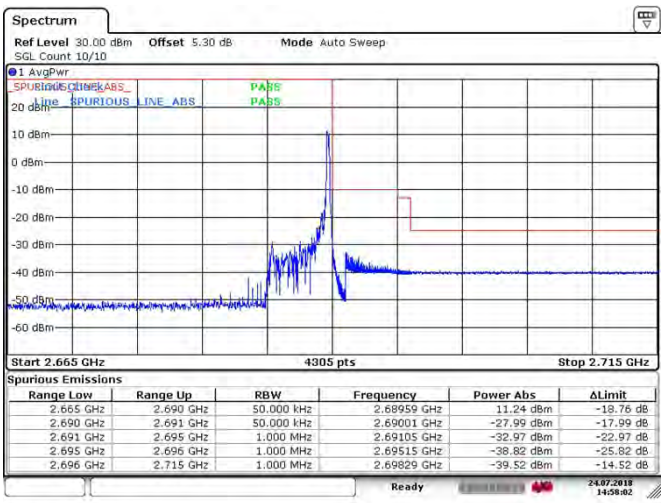

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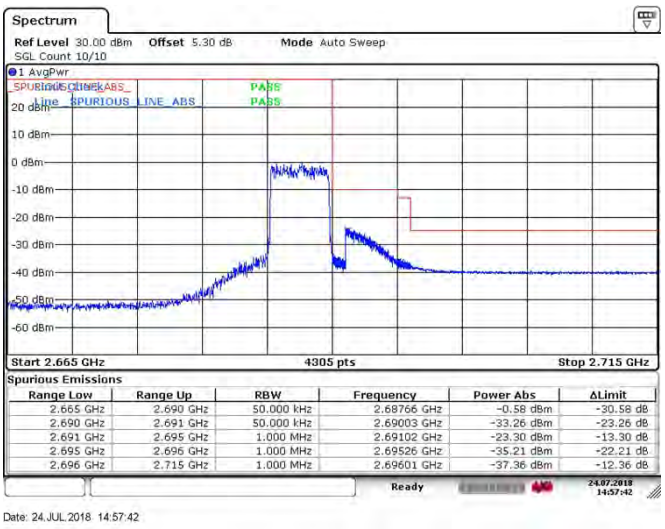
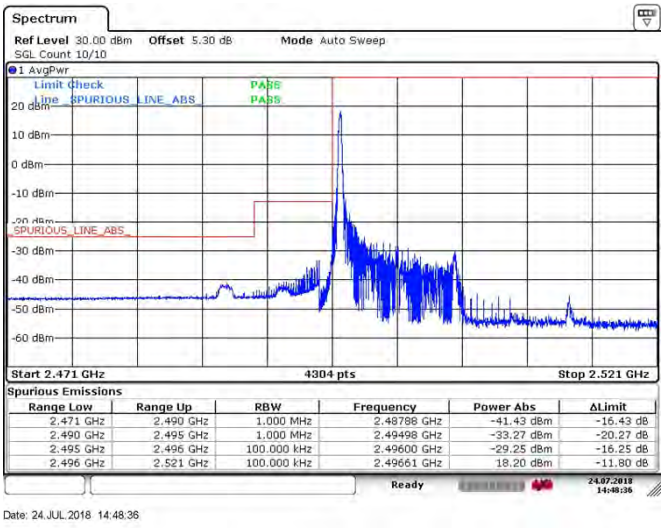
BAND 41_5MHz_64QAM_41565_25RB#0



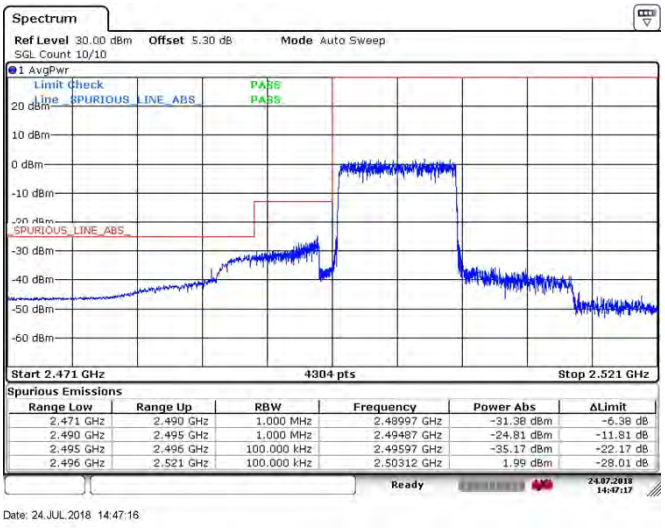
Date: 24.JUL.2018 14:57:42

BAND 41_10MHz_QPSK_39700_1RB#0



Date: 24.JUL.2018 14:48:36

BAND 41_10MHz_QPSK_39700_50RB#0



Date: 24.JUL.2018 14:47:16

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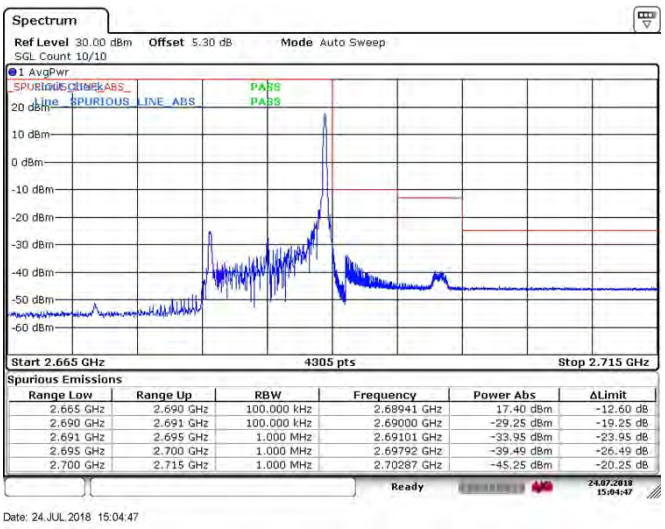
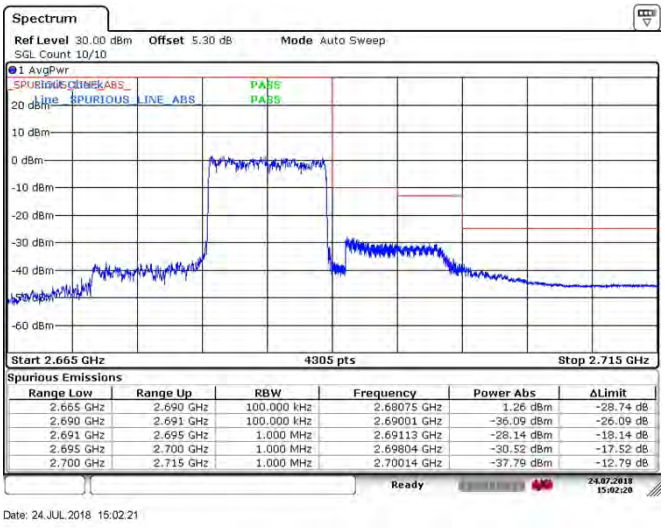


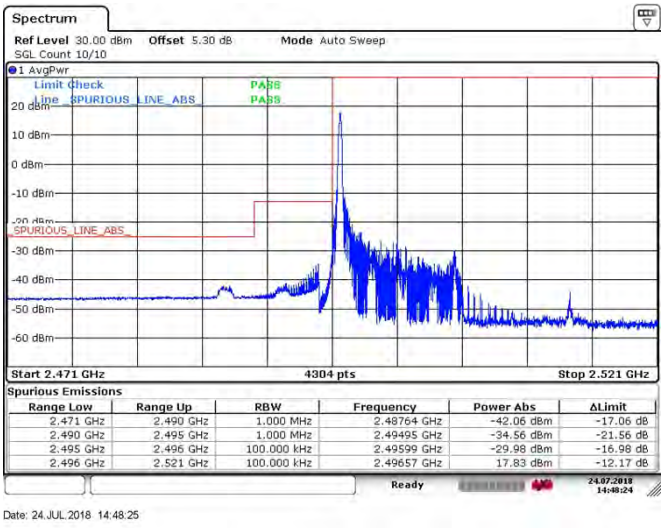
Date: 24.JUL.2018 15:04:47

BAND 41_10MHz_QPSK_41540_50RB#0



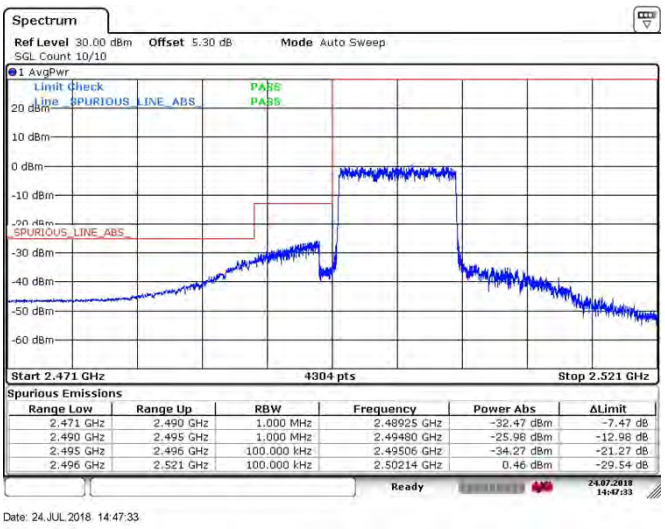
Date: 24.JUL.2018 15:02:21

BAND 41_10MHz_16QAM_39700_1RB#0



Date: 24.JUL.2018 14:48:25

BAND 41_10MHz_16QAM_39700_50RB#0



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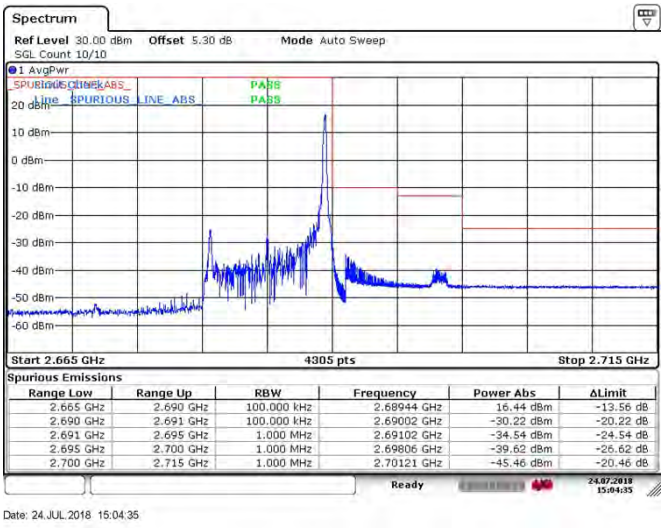
BAND 41_10MHz_16QAM_41540_1RB#49



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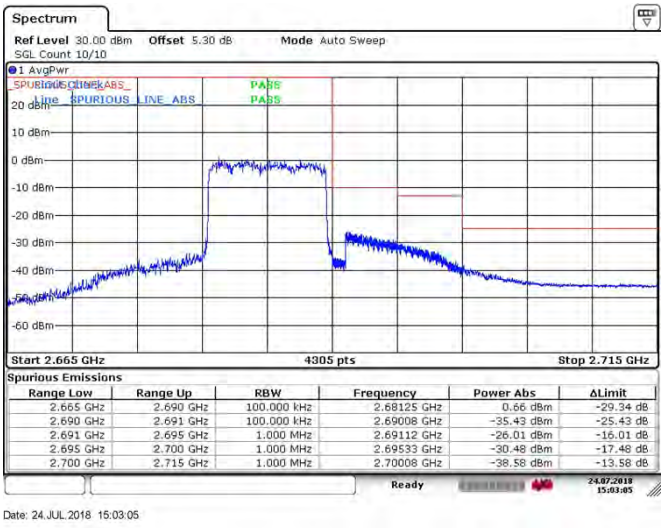
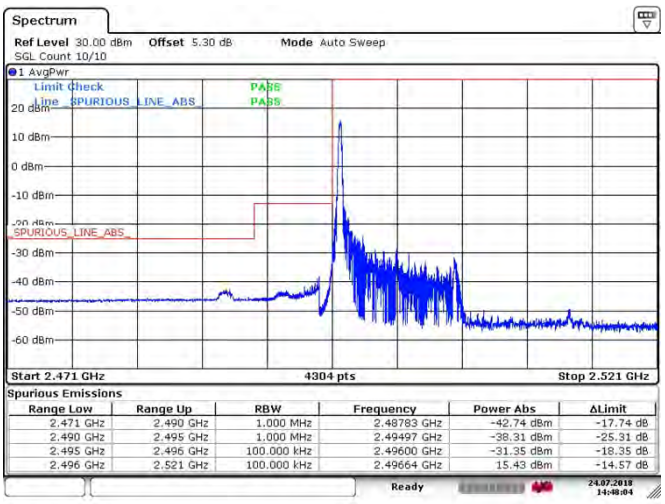


Date: 24.JUL.2018 15:03:05

BAND 41_10MHz_64QAM_39700_1RB#0



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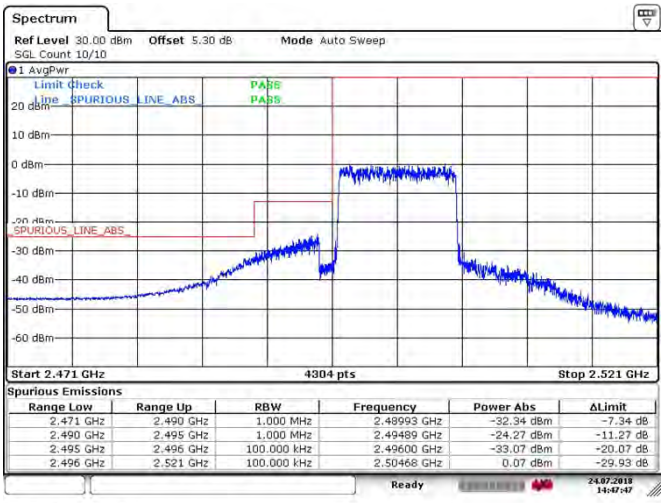
BAND 41_10MHz_64QAM_39700_50RB#0



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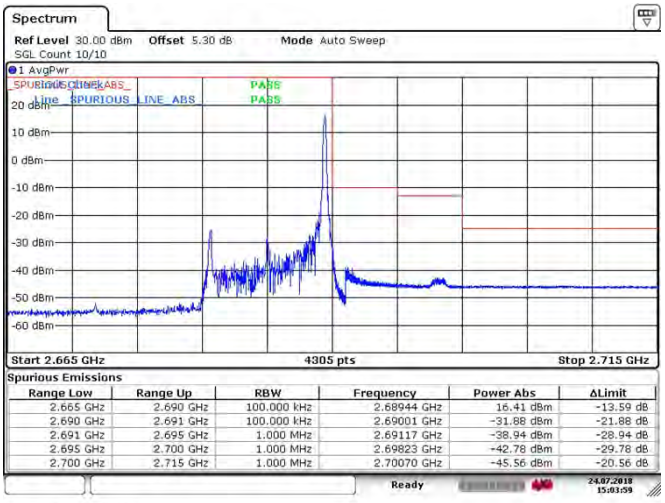
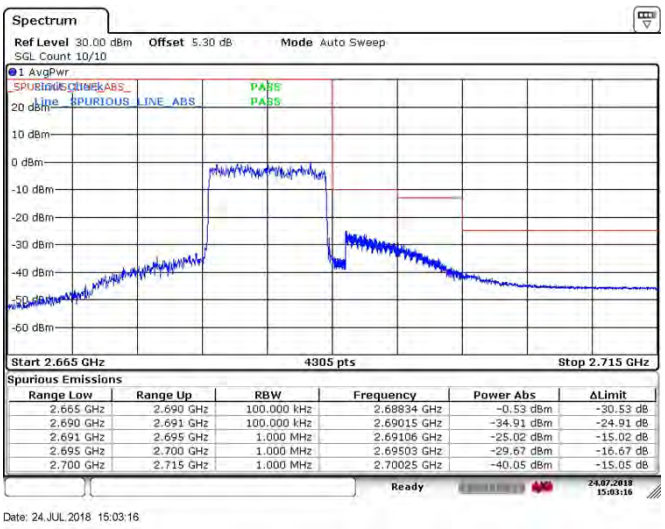
BAND 41_10MHz_64QAM_41540_1RB#49

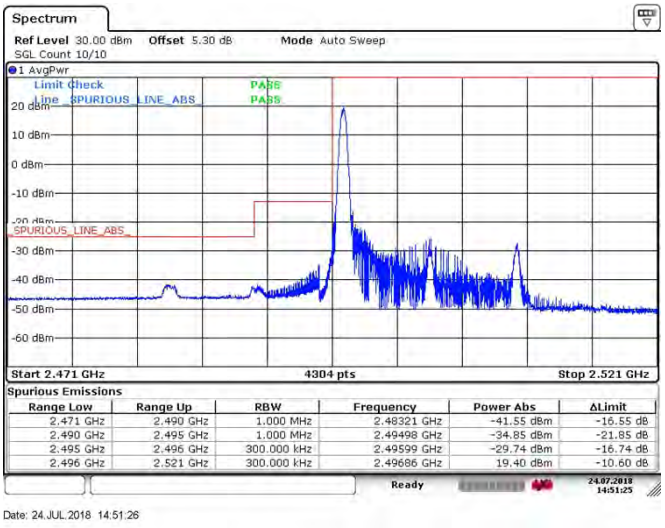


Date: 24.JUL.2018 15:03:59

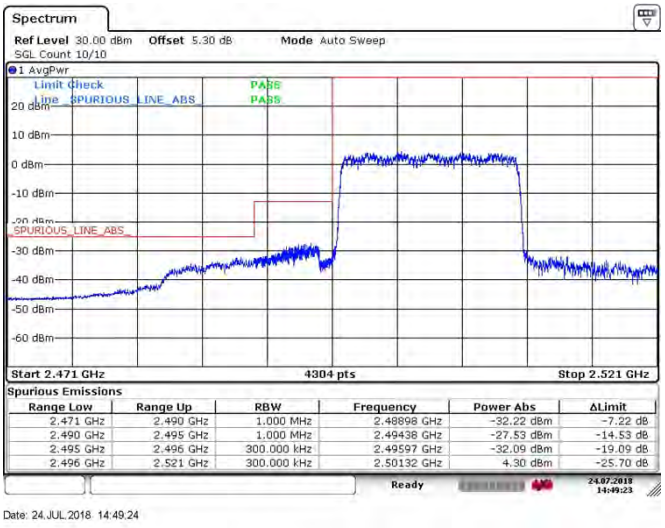
BAND 41_10MHz_64QAM_41540_50RB#0



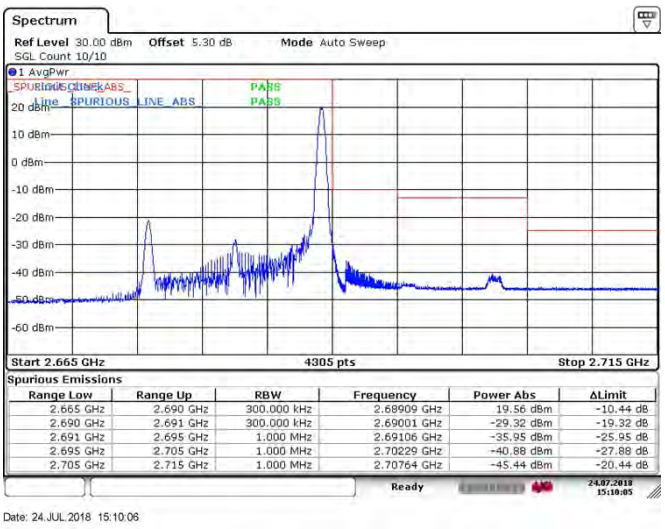
BAND 41_15MHz_QPSK_39725_1RB#0



BAND 41_15MHz_QPSK_39725_75RB#0

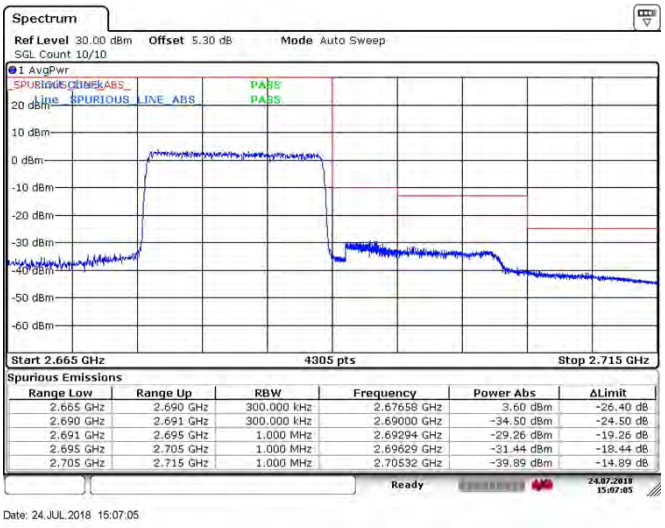


BAND 41_15MHz_QPSK_41515_1RB#74



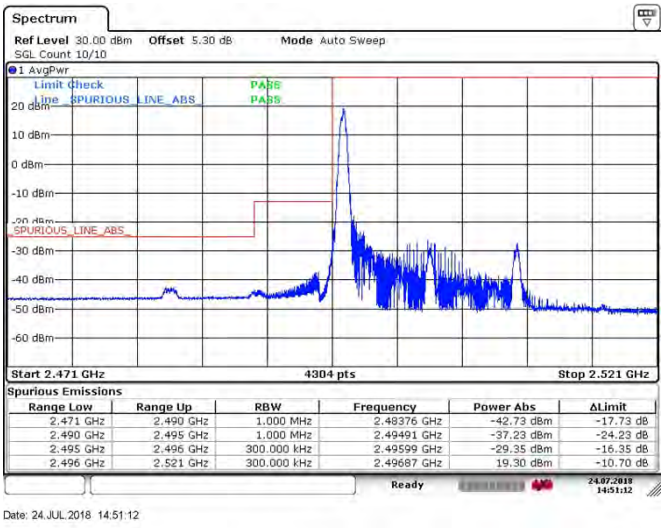
Date: 24.JUL.2018 15:10:06

BAND 41_15MHz_QPSK_41515_75RB#0



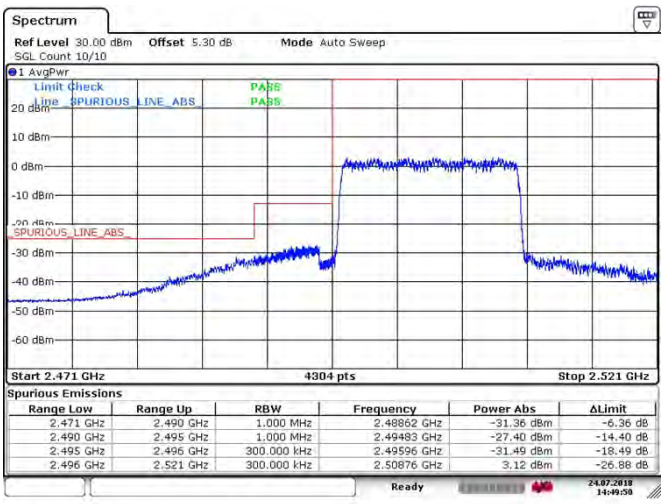
Date: 24.JUL.2018 15:07:05

BAND 41_15MHz_16QAM_39725_1RB#0



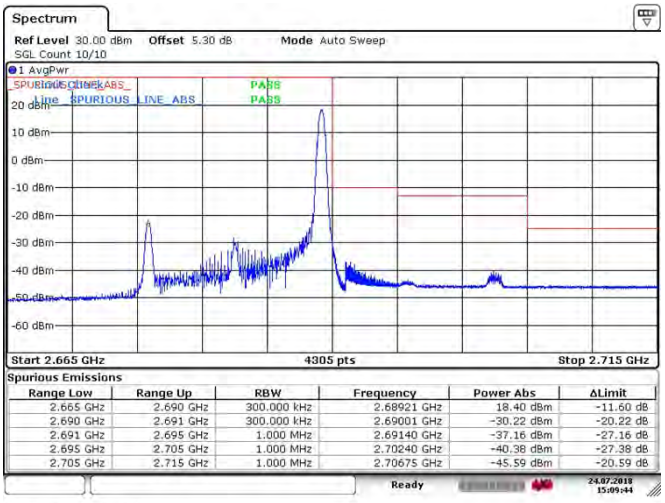
Date: 24.JUL.2018 14:51:12

BAND 41_15MHz_16QAM_39725_75RB#0



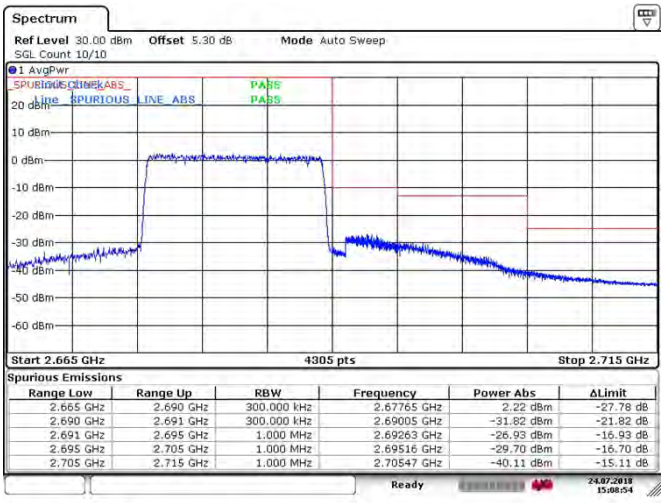
Date: 24.JUL.2018 14:49:50

BAND 41_15MHz_16QAM_41515_1RB#74



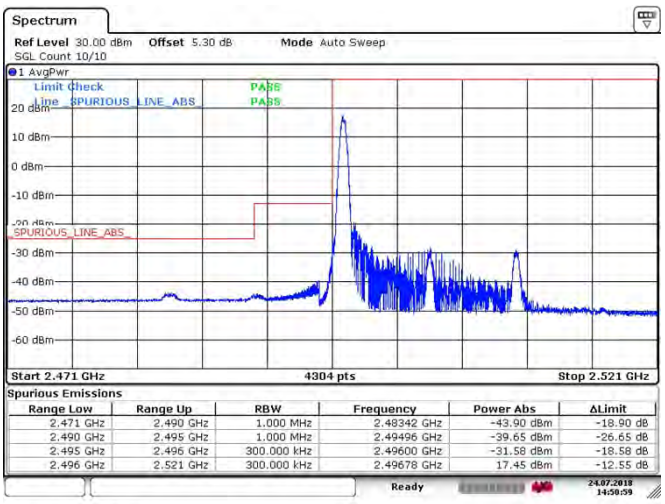
Date: 24.JUL.2018 15:09:44

BAND 41_15MHz_16QAM_41515_75RB#0



Date: 24.JUL.2018 15:08:54

BAND 41_15MHz_64QAM_39725_1RB#0



Date: 24.JUL.2018 14:50:59

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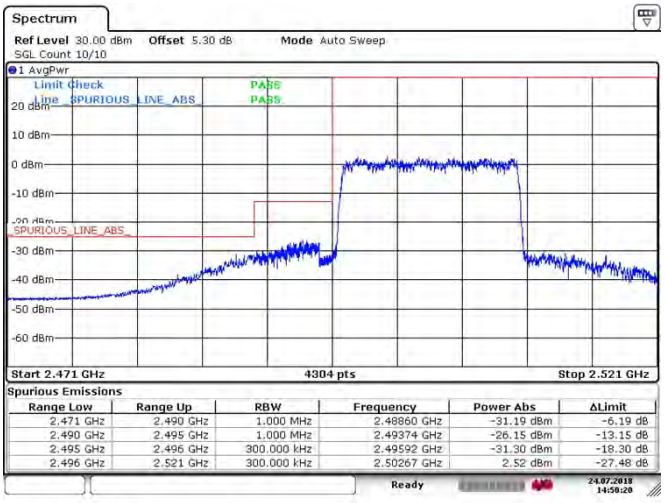
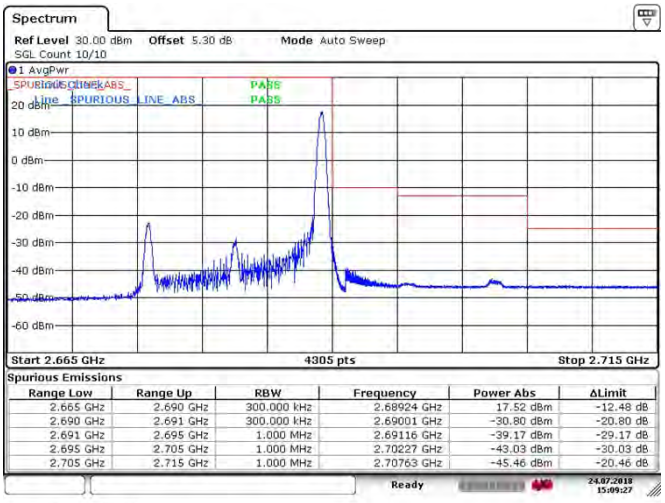


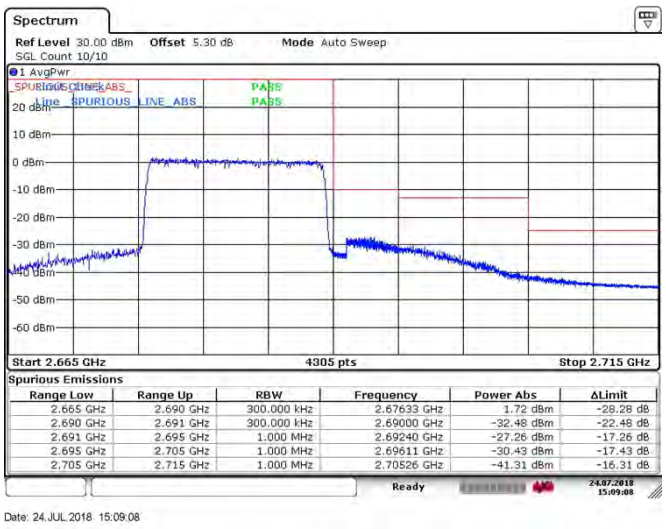
Date: 24.JUL.2018 14:50:20

BAND 41_15MHz_64QAM_41515_1RB#74



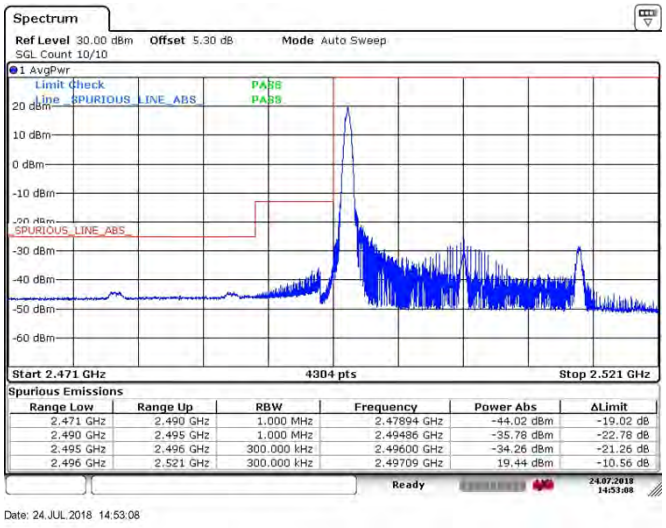
Date: 24.JUL.2018 15:09:28

BAND 41_15MHz_64QAM_41515_75RB#0



Date: 24.JUL.2018 15:09:08

BAND 41_20MHz_QPSK_39750_1RB#0



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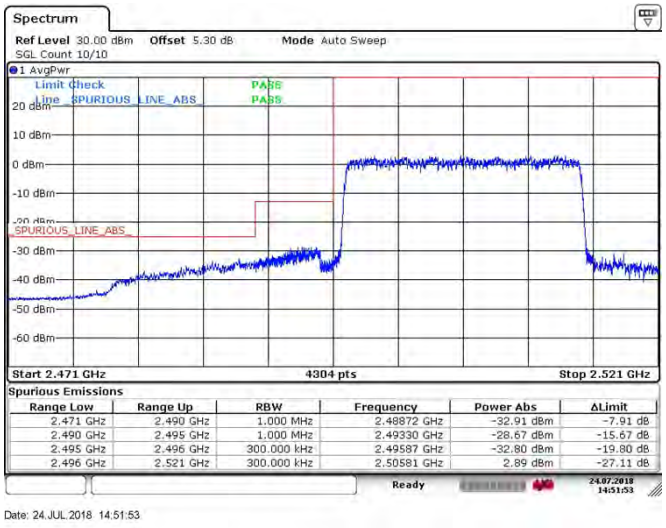
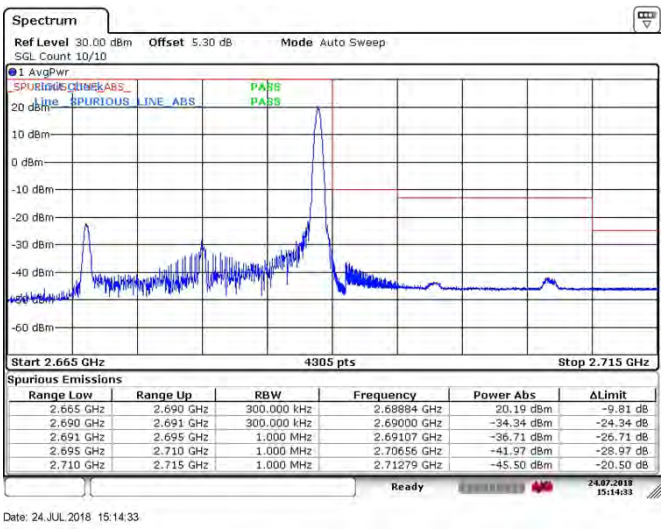


Date: 24.JUL.2018 14:51:53

BAND 41_20MHz_QPSK_41490_1RB#99



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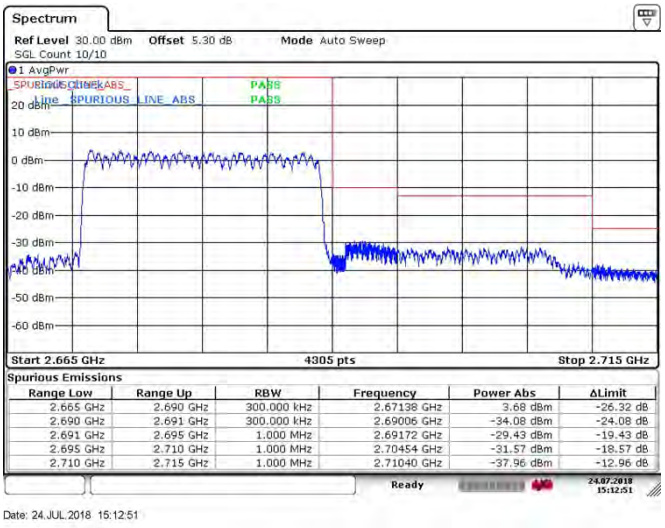
BAND 41_20MHz_QPSK_41490_100RB#0



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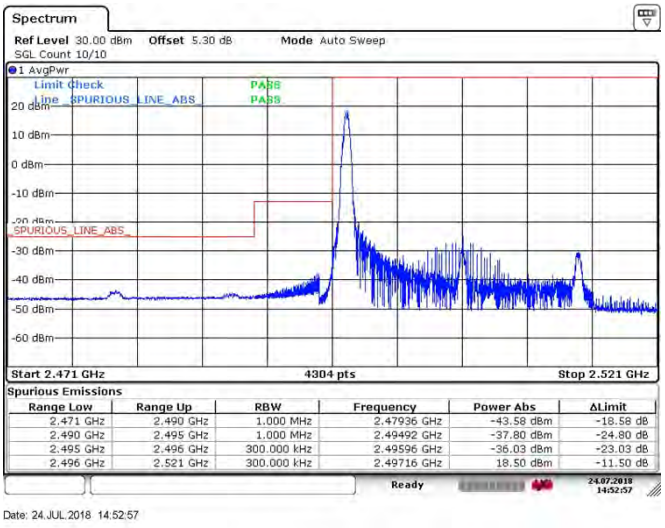
BAND 41_20MHz_16QAM_39750_1RB#0



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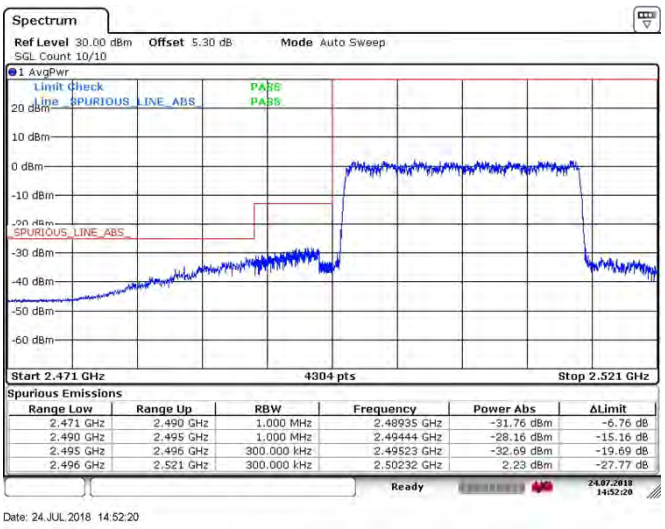
BAND 41_20MHz_16QAM_39750_100RB#0



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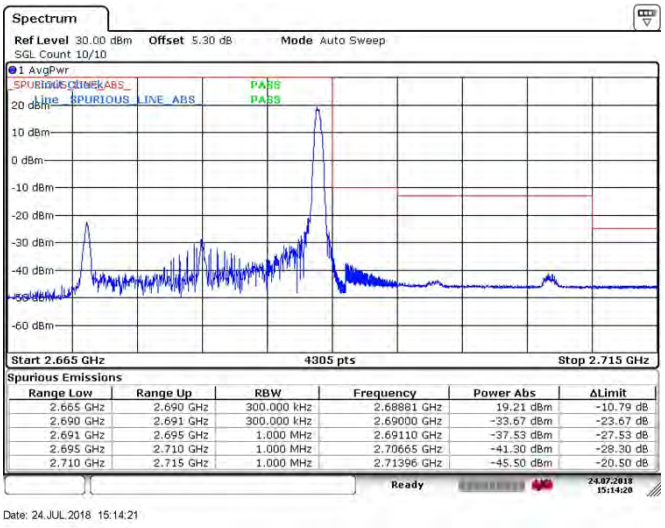

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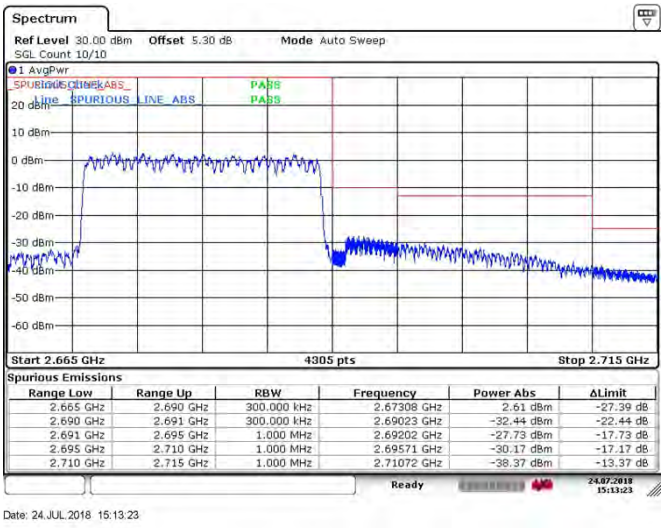
BAND 41_20MHz_16QAM_41490_100RB#0



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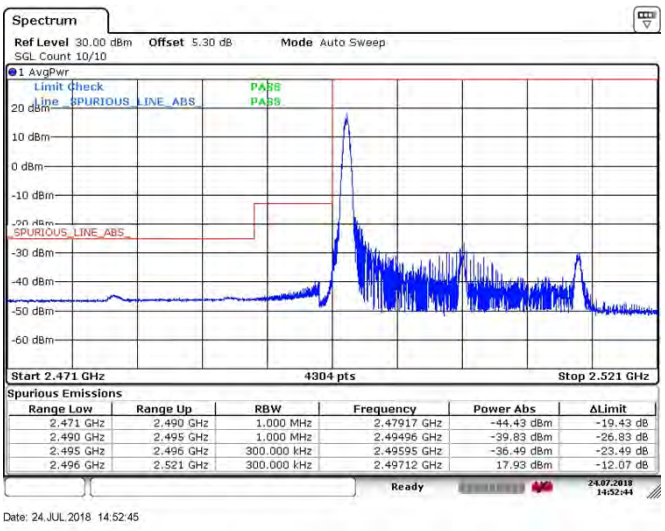
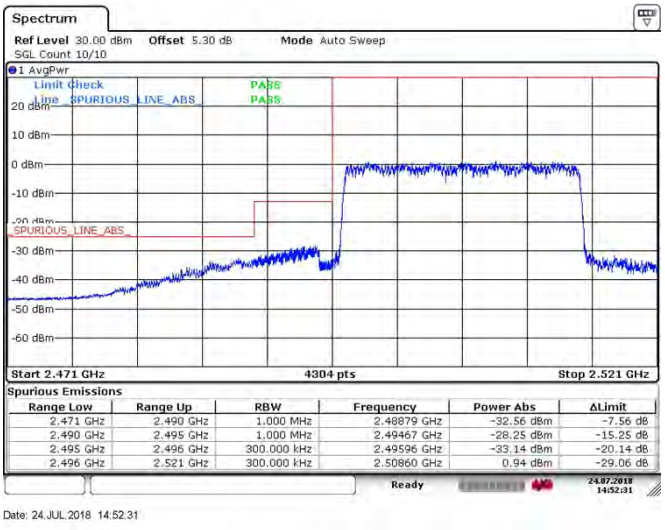
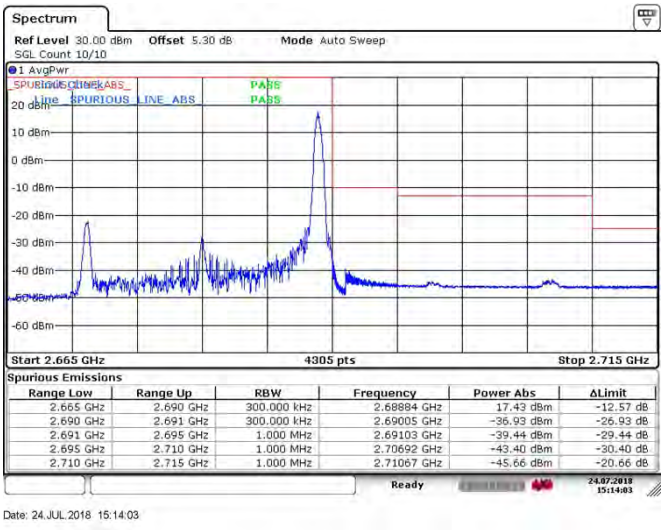


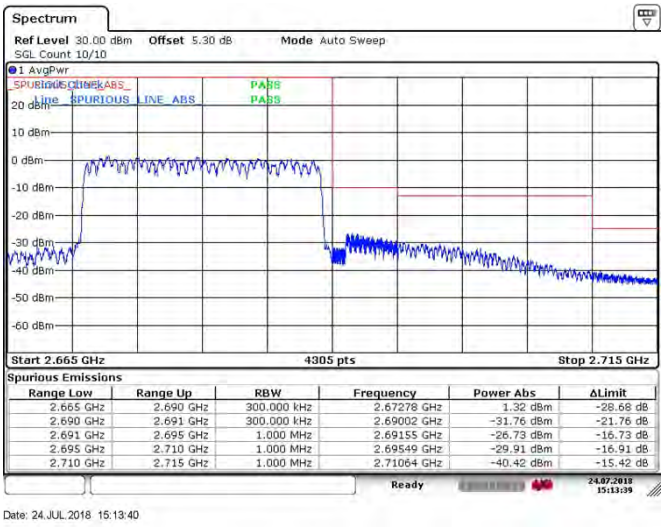
BAND 41_20MHz_64QAM_39750_100RB#0



BAND 41_20MHz_64QAM_41490_1RB#99



BAND 41_20MHz_64QAM_41490_100RB#0



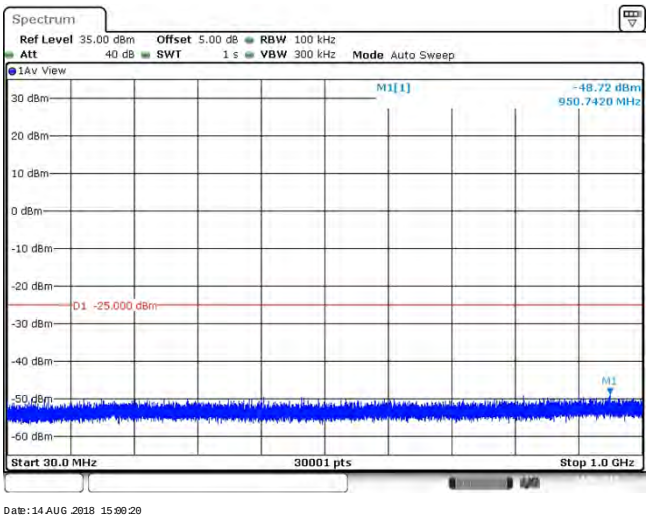
6. Spurious Emission at Antenna Terminal

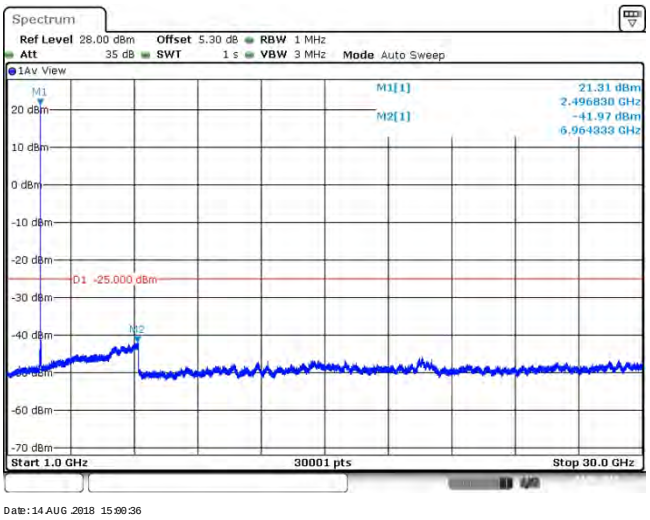
NOTE1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of < RBW/2 so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points = k * (Span / RBW)" with k between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

NOTE2: only the worst case data displayed in this report.

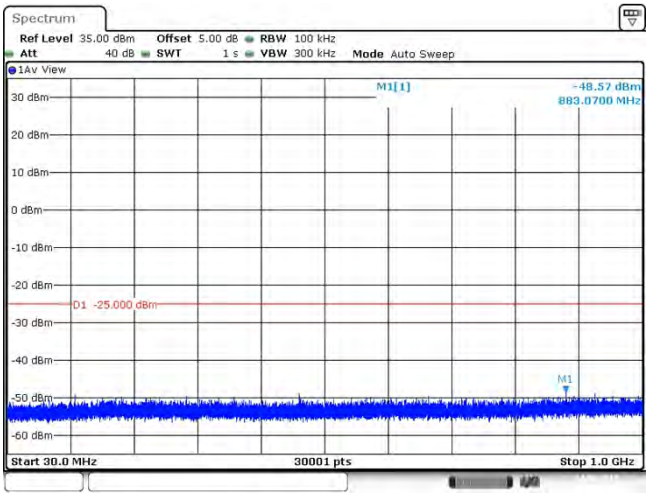
6.1. Test Plots

BAND 41_20MHz_QPSK_39750_1RB#0

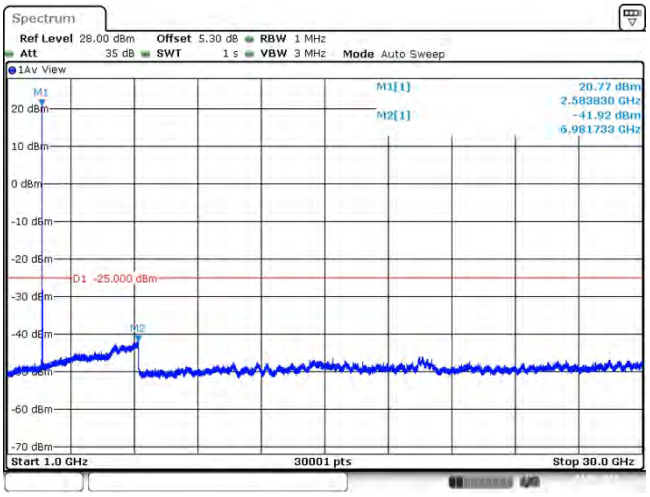




BAND 41_20MHz_QPSK_40620_1RB#0



Date: 14.AUG.2018 15:01:29



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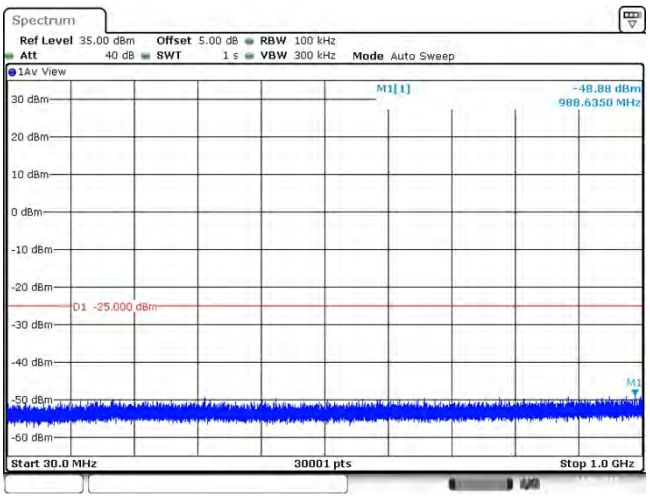
BAND 41_20MHz_QPSK_41490_1RB#0



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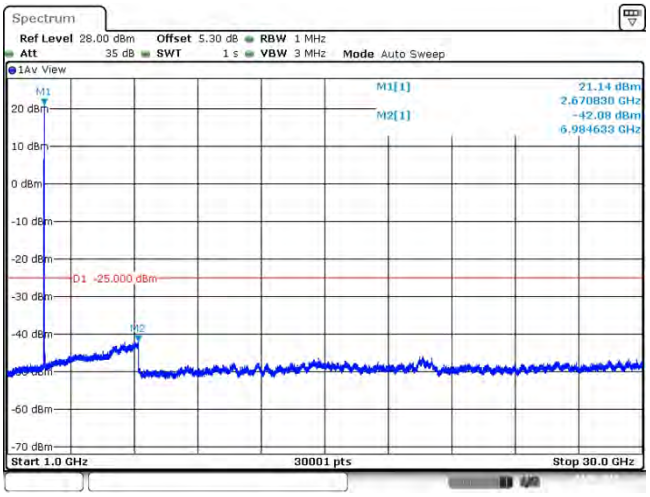

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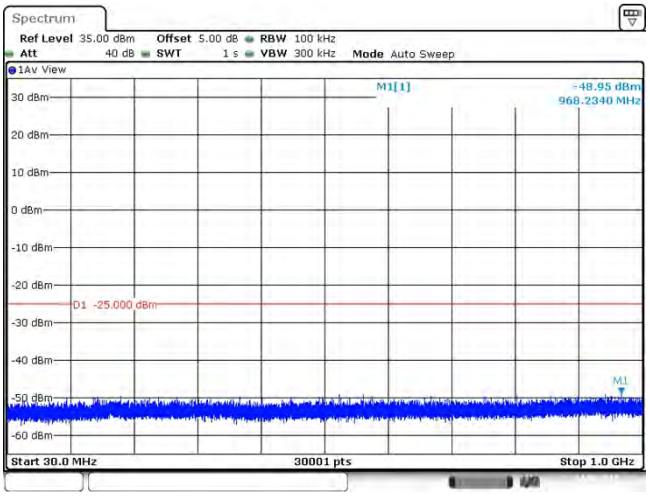
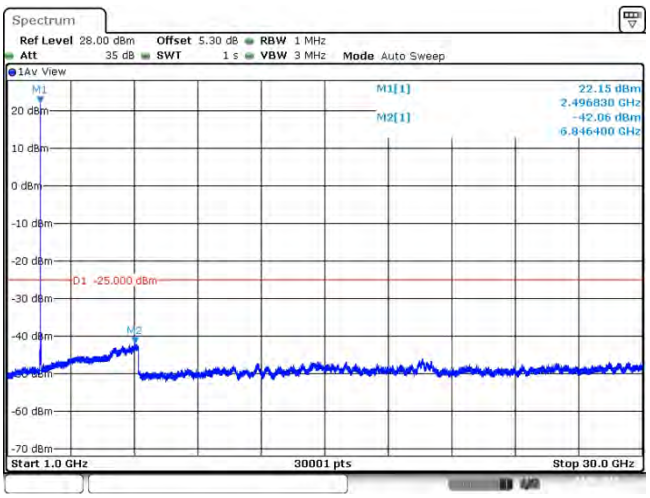
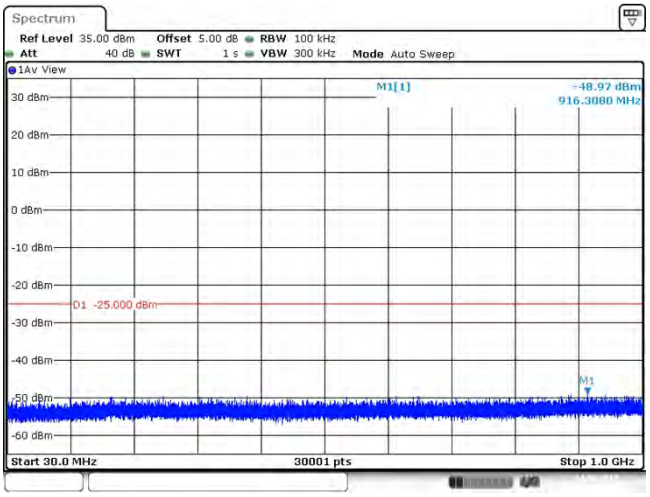




BAND 41_20MHz_16QAM_40620_1RB#0



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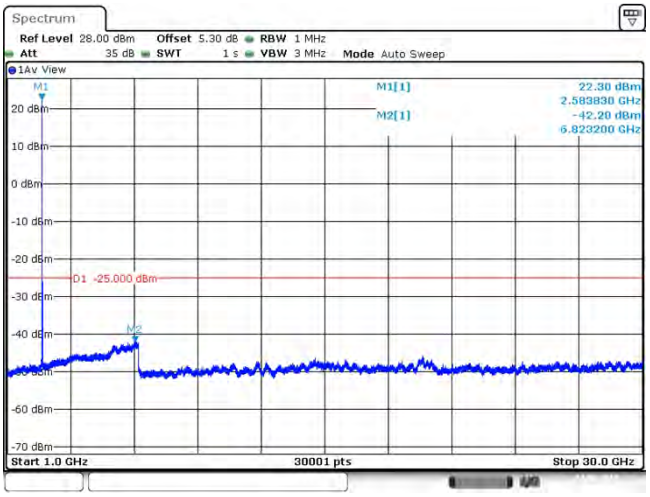
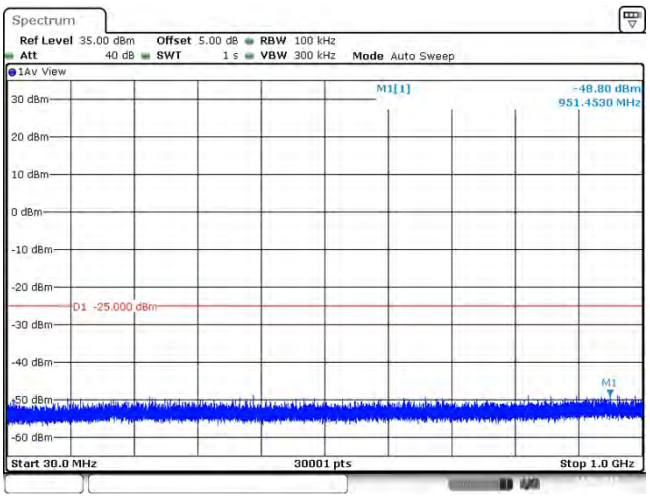


Date: 14.AUG.2018 15:02:18

BAND 41_20MHz_16QAM_41490_1RB#0



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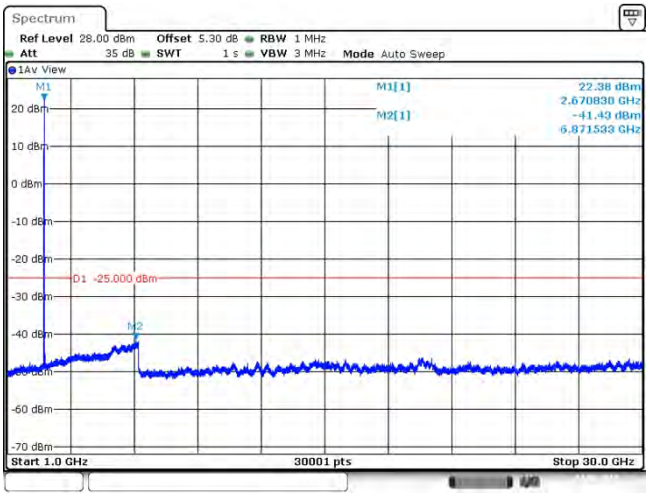
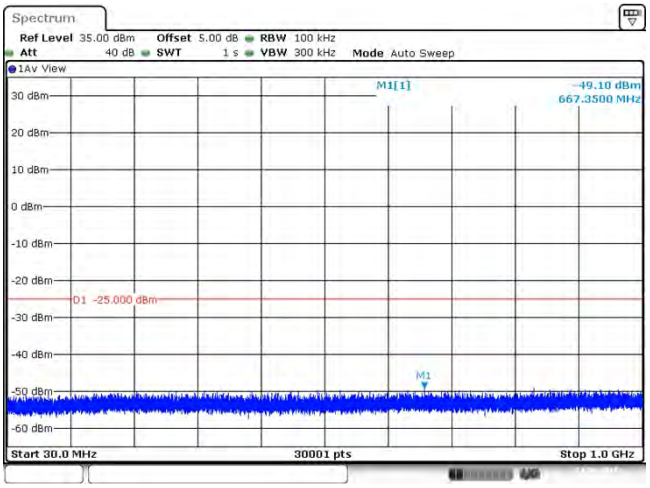
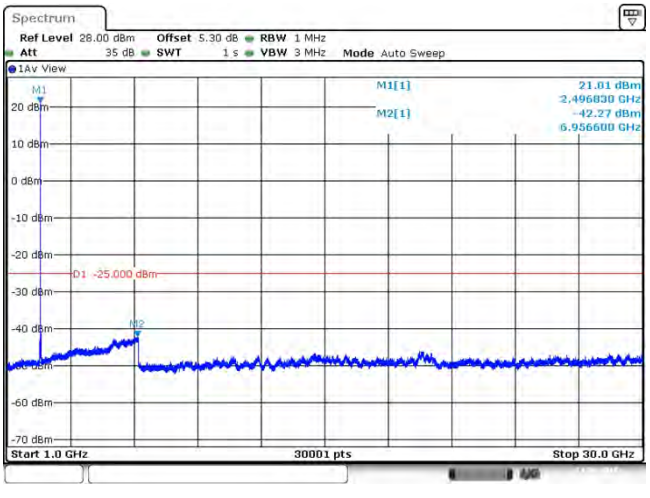


BAND 41_20MHz_64QAM_39750_1RB#0





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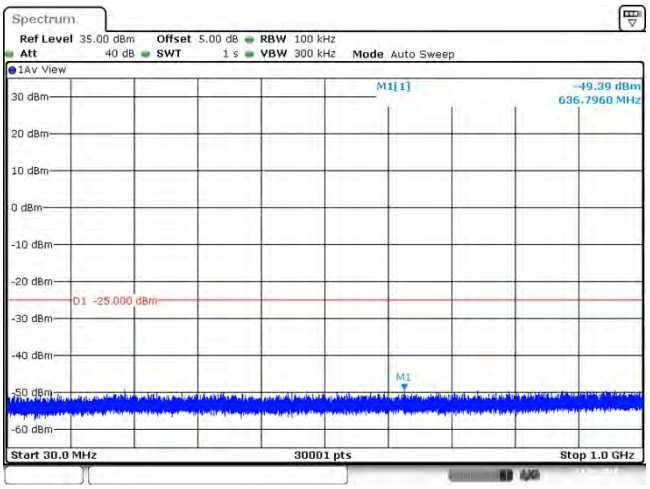

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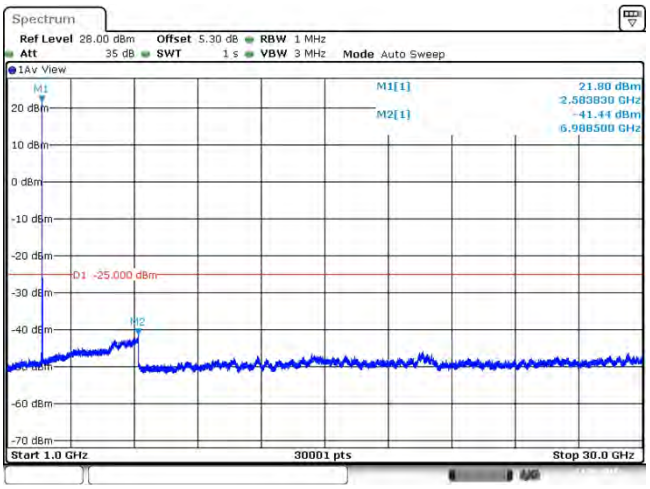

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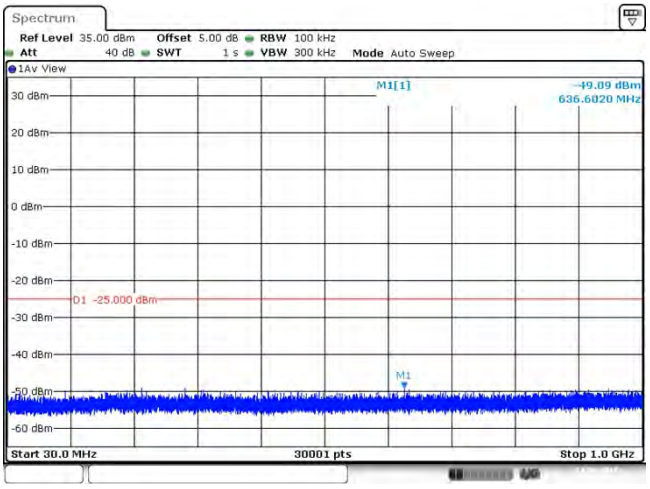
BAND 41_20MHz_64QAM_41490_1RB#0



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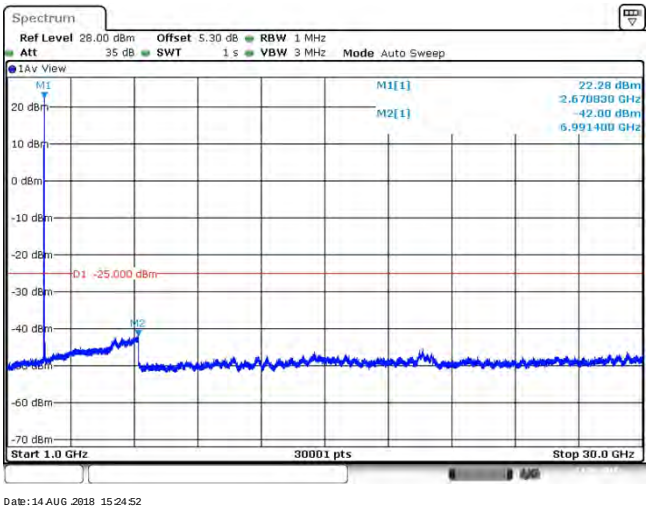
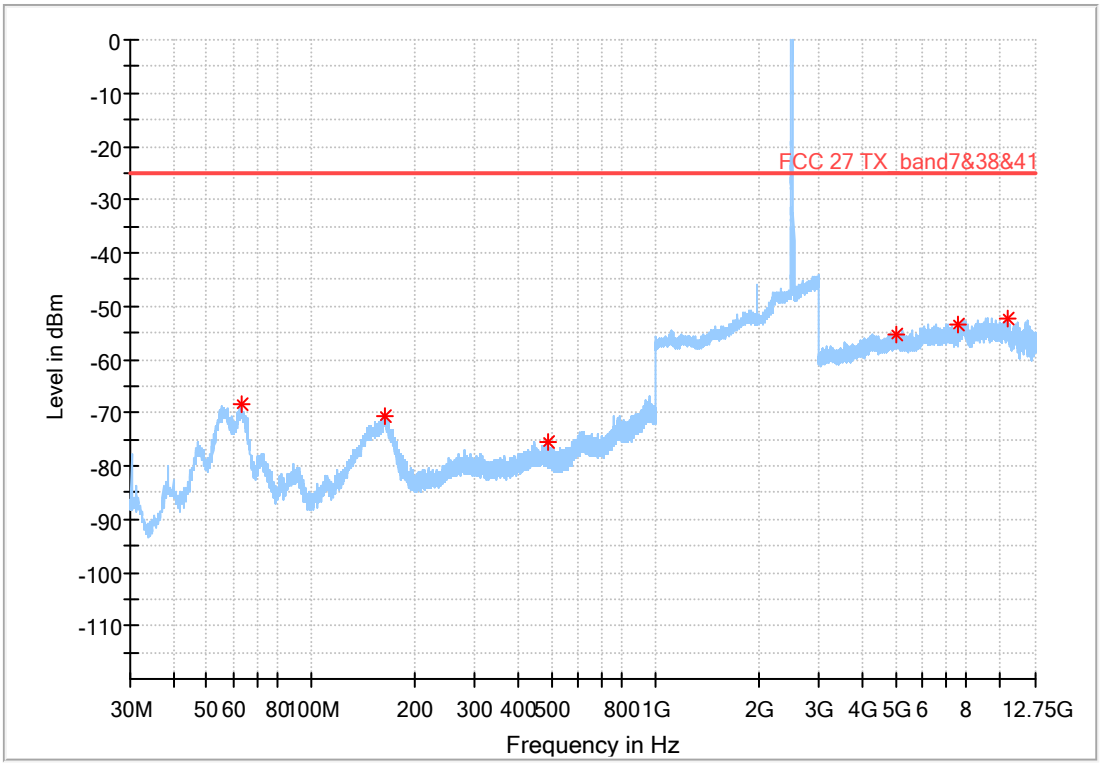


7. Field Strength of Spurious Radiation

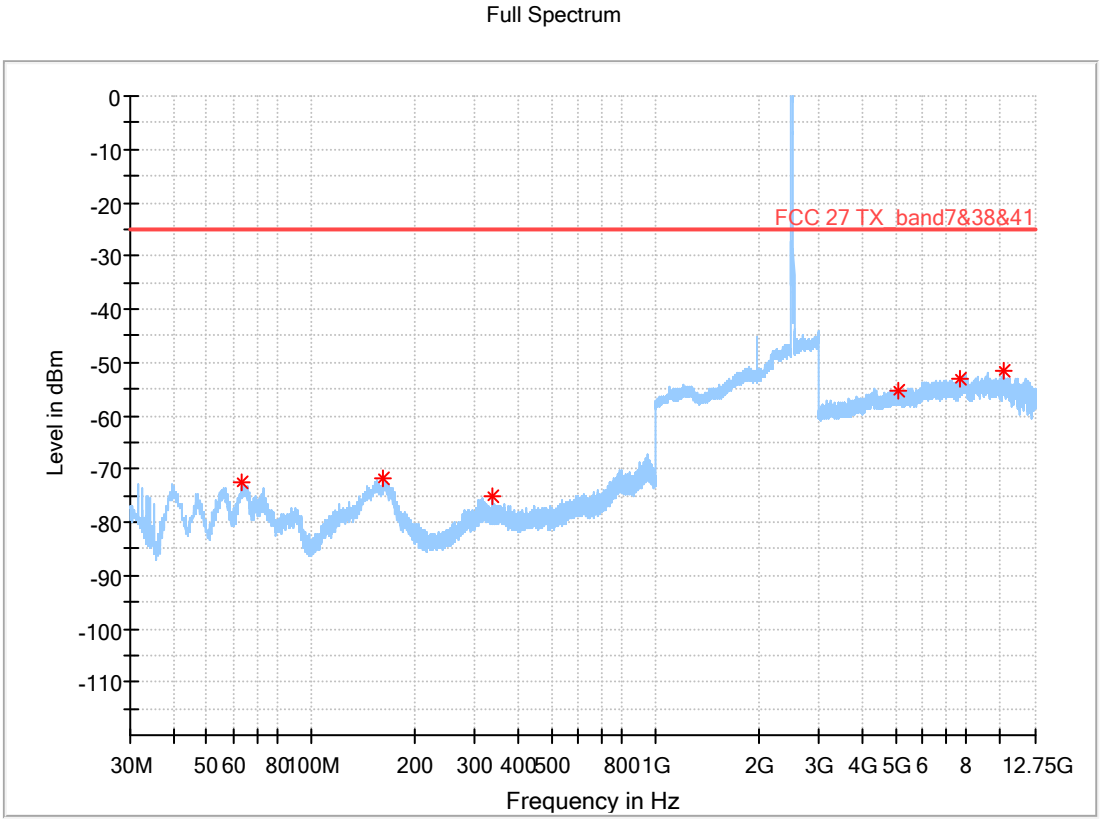
7.1. Test BAND = LTE BAND 41-Main Antenna

7.1.1. Test Mode =LTE/TM1 20MHz

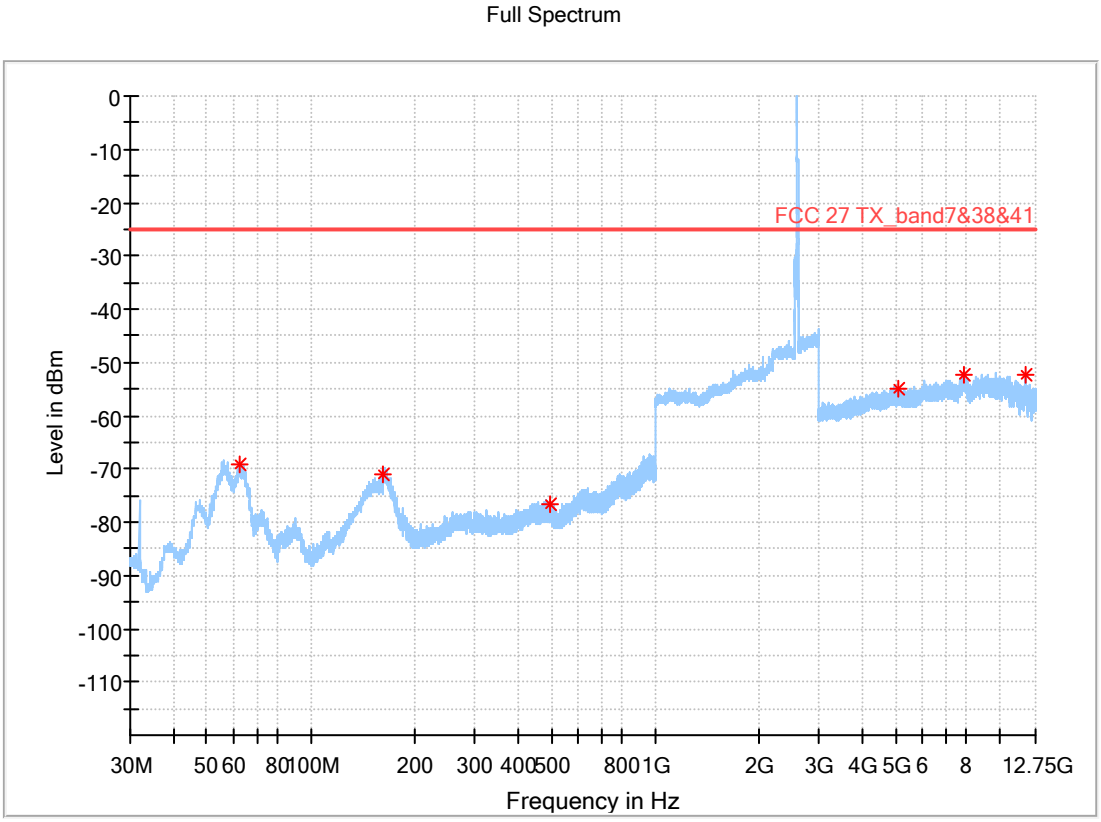
7.1.1.1. Test Channel = LCH_H



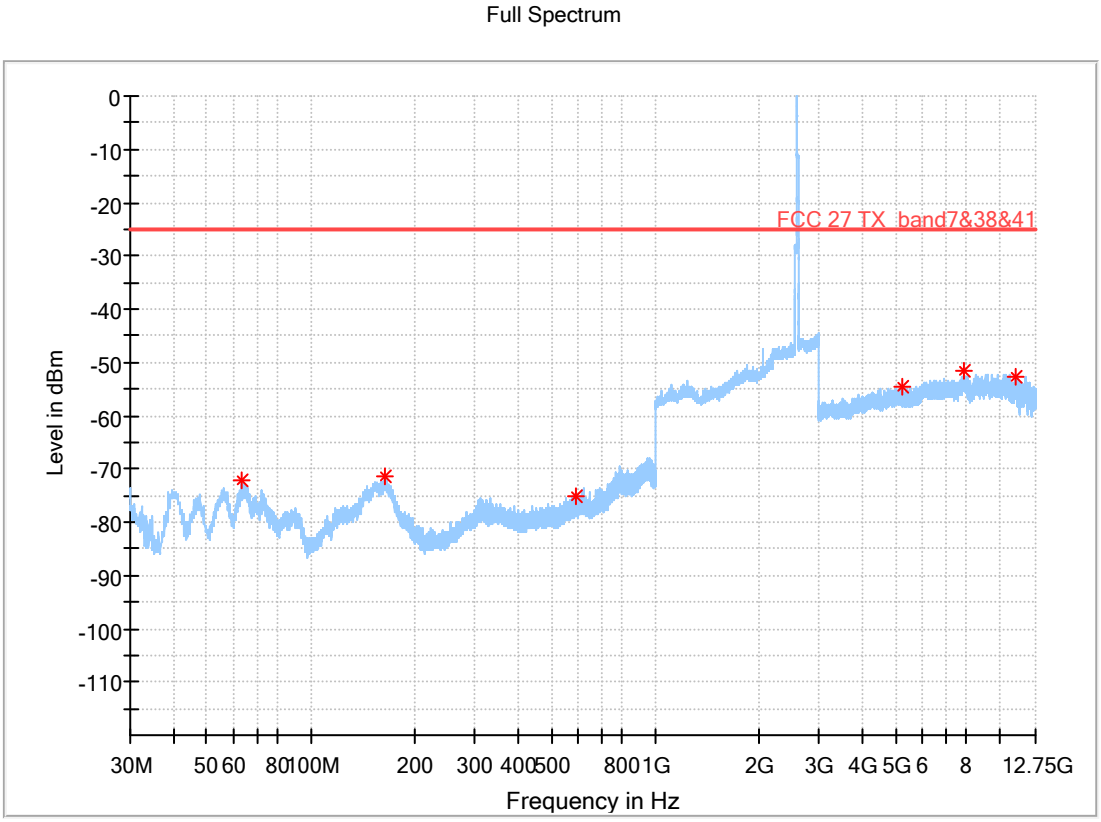
7.1.1.2. Test Channel = LCH_V



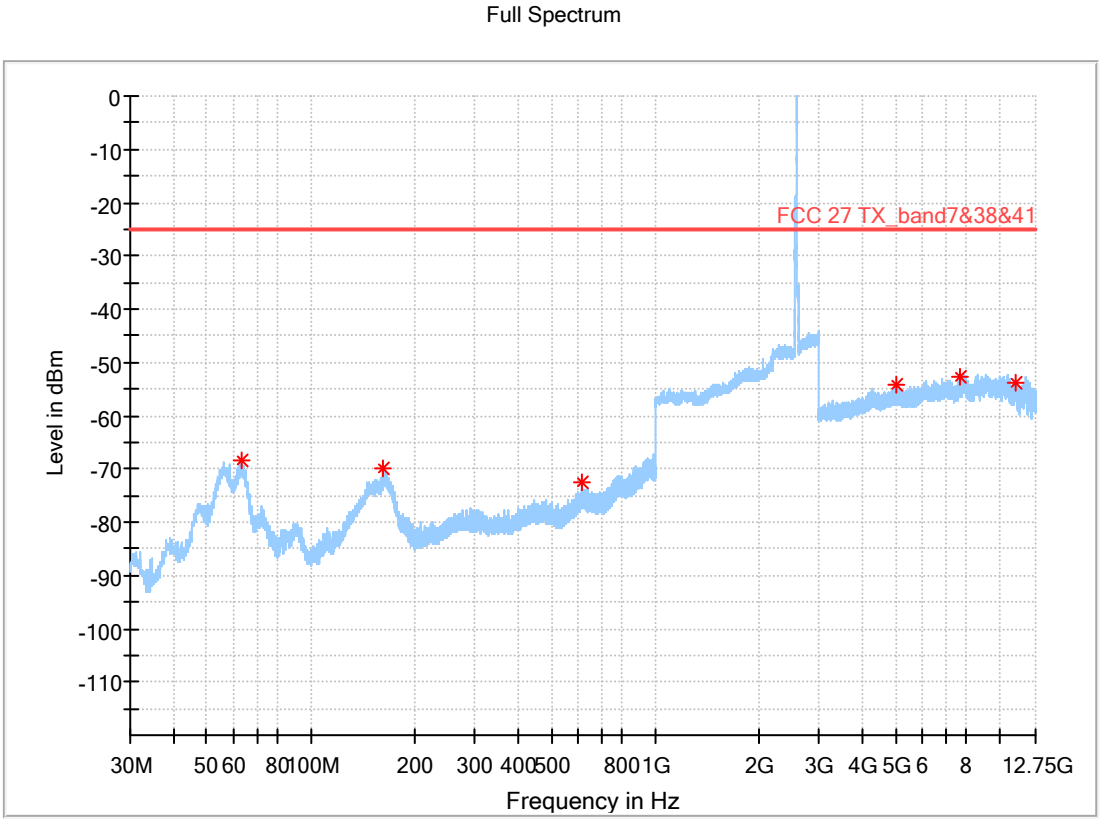
7.1.1.3. Test Channel = MCH_H



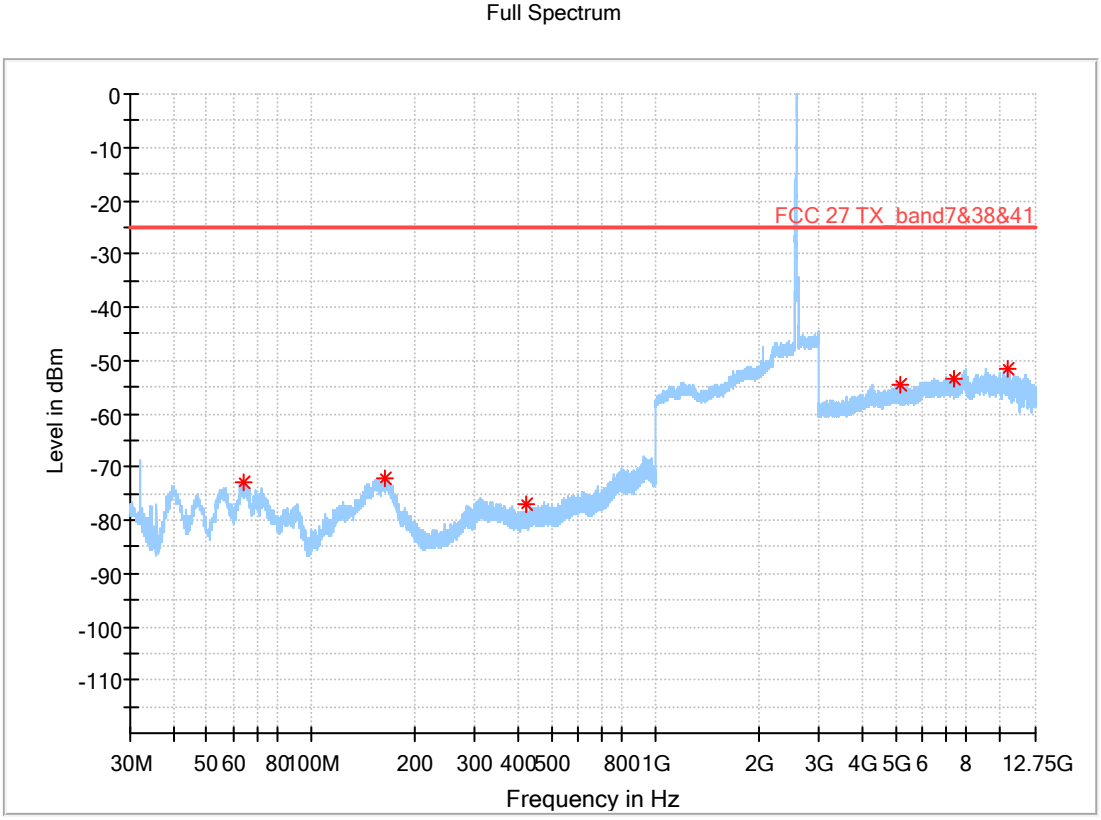
7.1.1.4. Test Channel = MCH_V



7.1.1.5. Test Channel = HCH_H



7.1.1.6. Test Channel = HCH_V

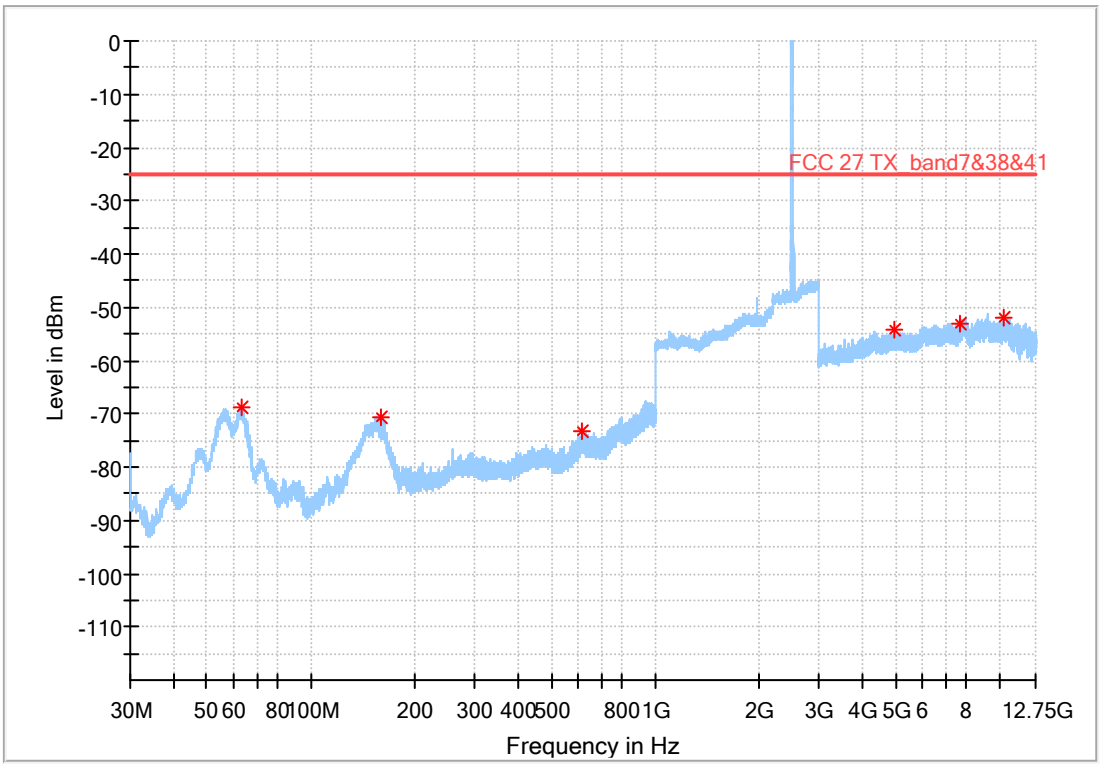


7.2. Test BAND = LTE BAND 41-Second Antenna

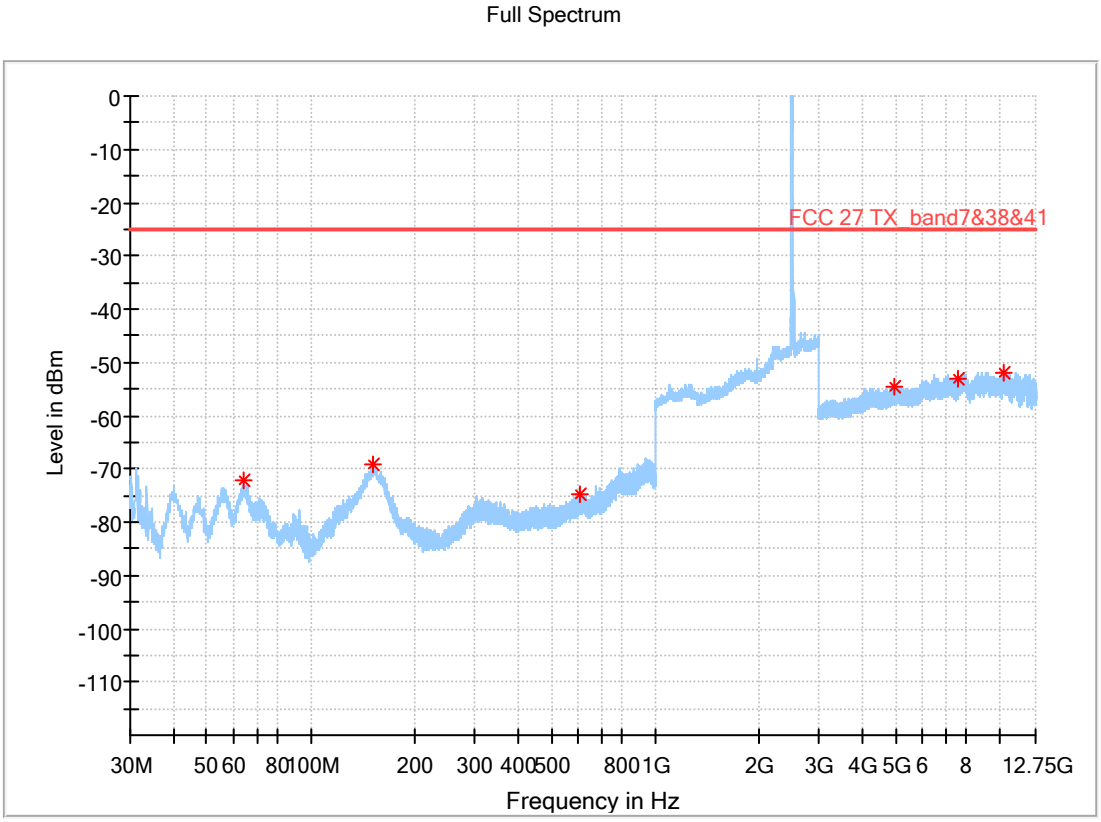
7.2.1. Test Mode =LTE/TM1 20MHz

7.2.1.1. Test Channel = LCH_H

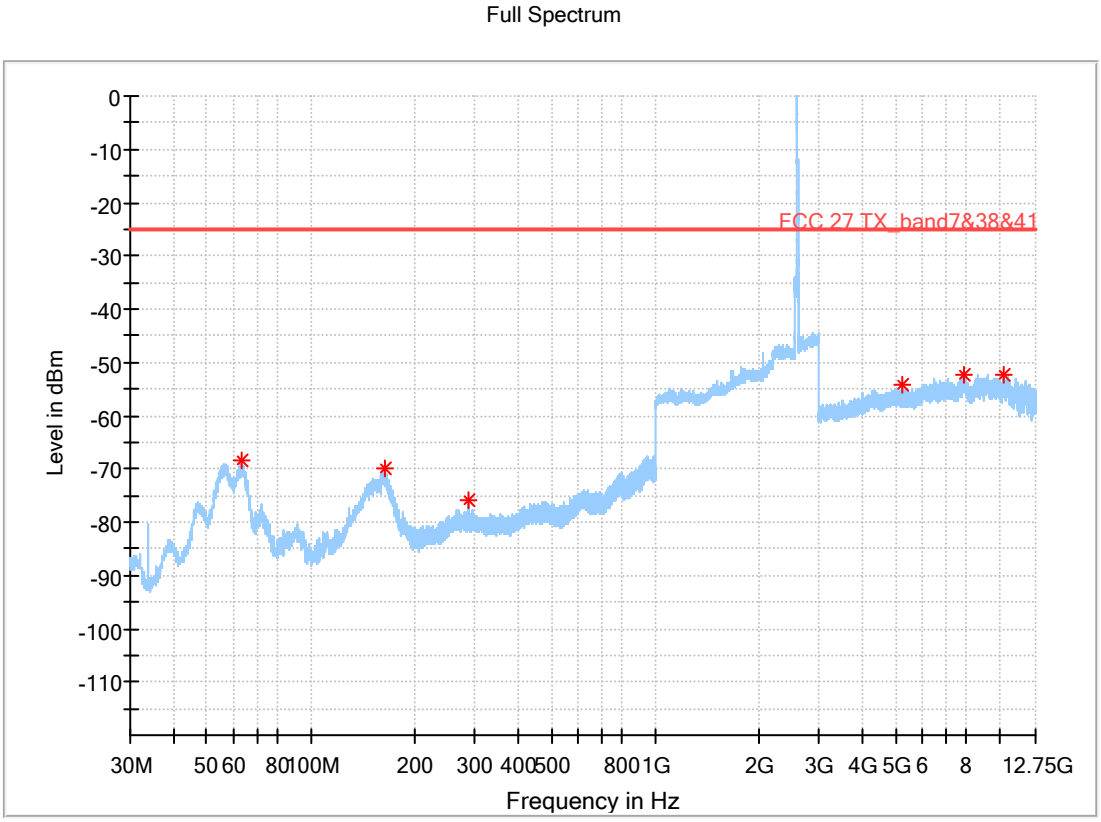
Full Spectrum



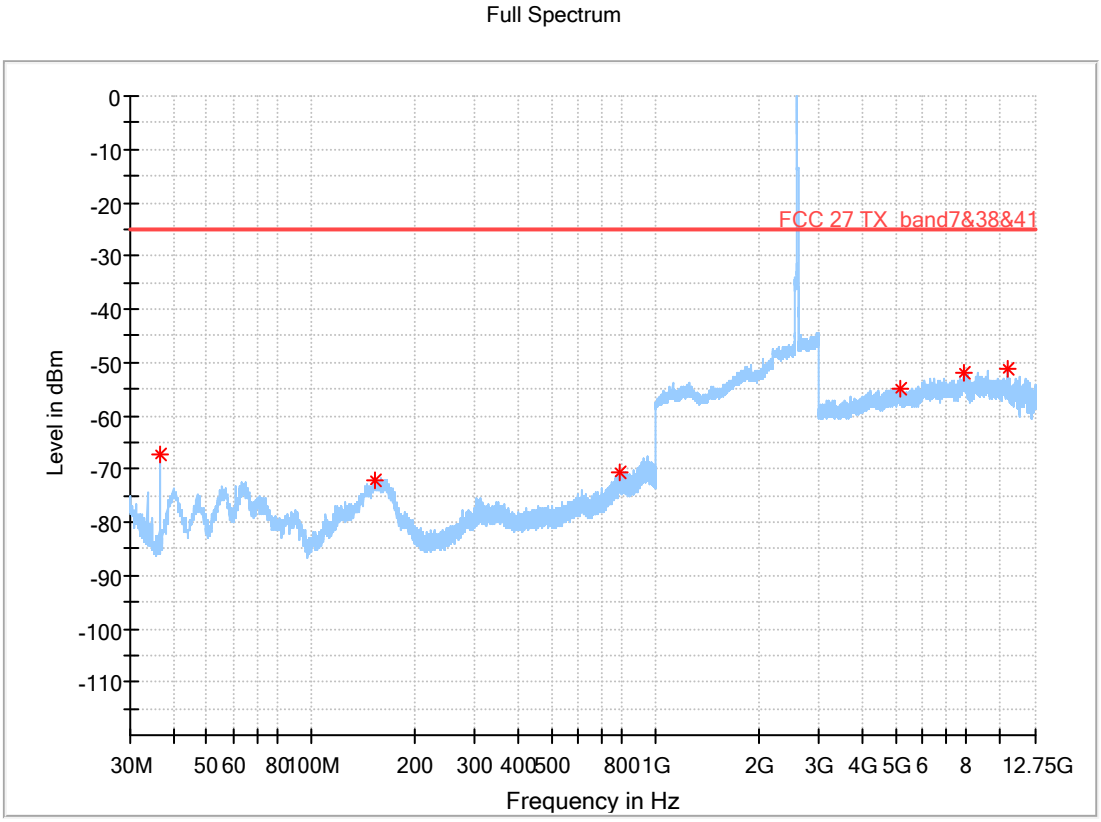
7.2.1.2. Test Channel = LCH_V



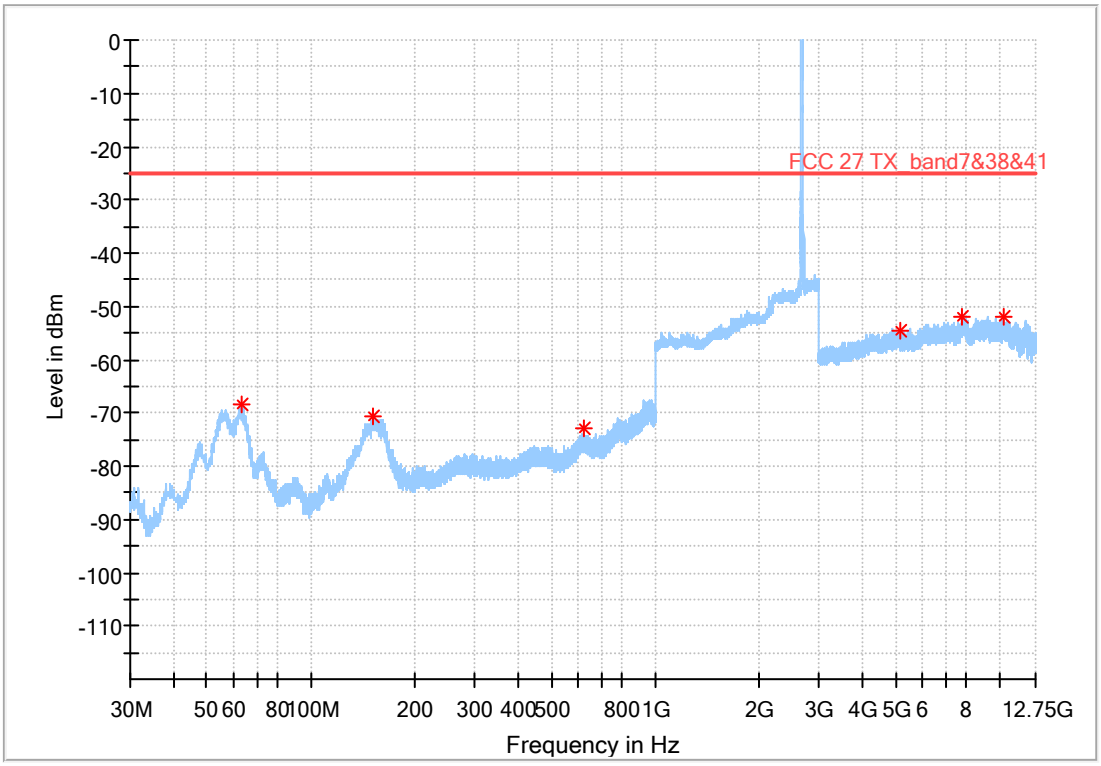
7.2.1.3. Test Channel = MCH_H



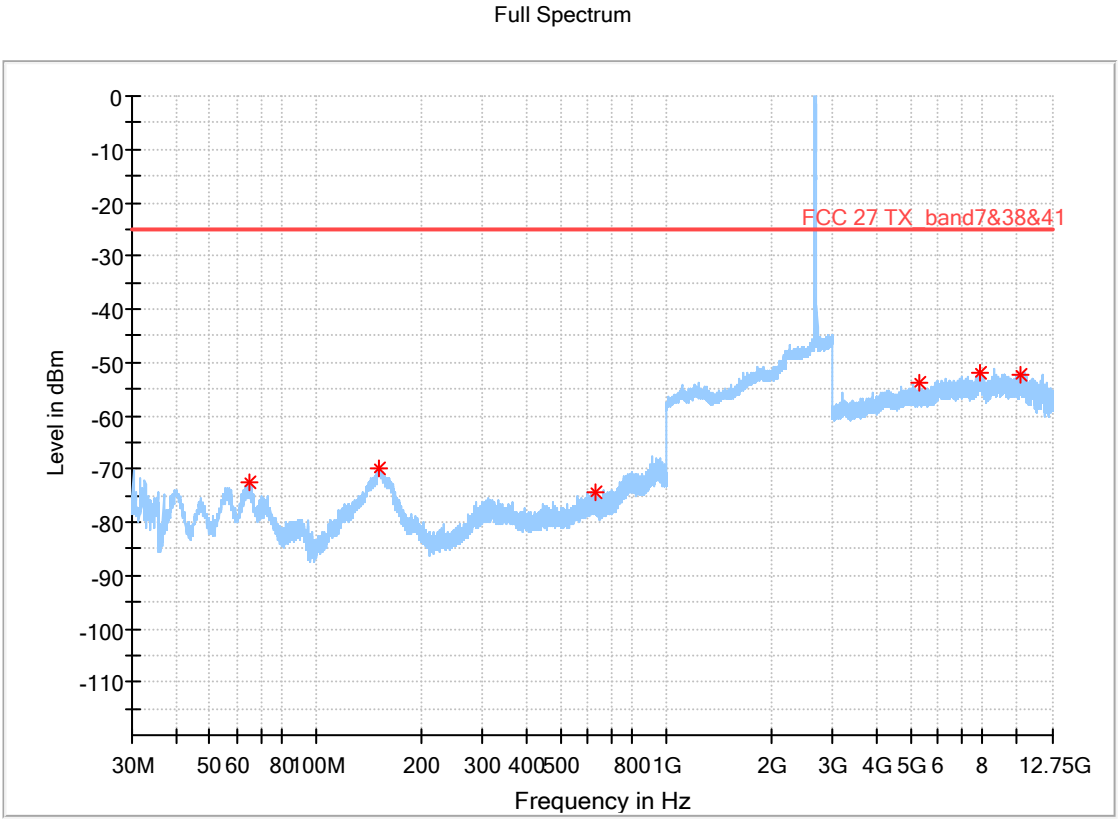
7.2.1.4. Test Channel = MCH_V



7.2.1.5. Test Channel = HCH_H



7.2.1.6. Test Channel = HCH_V



NOTE:

1) All modes are tested, but the data presented above is the worst case.the disturbance above 12.75GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worse case had been displayed.

2) We have tested all modulation and all Bandwidth, but only the worst case data presented in this report.

8. Frequency Stability

8.1. Frequency Vs Voltage

Voltage										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND41	20MHz	QPSK	39750	100RB#0	VL	NT	-0.20	-0.000080	±2.5	PASS
BAND41	20MHz	QPSK	39750	100RB#0	VN	NT	0.30	0.000120	±2.5	PASS
BAND41	20MHz	QPSK	39750	100RB#0	VH	NT	0.30	0.000120	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	VL	NT	-10.10	-0.003895	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	VN	NT	-10.40	-0.004011	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	VH	NT	-10.60	-0.004088	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	VL	NT	-21.20	-0.007910	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	VN	NT	-19.40	-0.007239	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	VH	NT	-19.50	-0.007276	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	VL	NT	5.60	0.002235	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	VN	NT	5.90	0.002354	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	VH	NT	7.60	0.003033	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	VL	NT	-10.70	-0.004126	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	VN	NT	-10.10	-0.003895	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	VH	NT	-10.10	-0.003895	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	VL	NT	-19.30	-0.007201	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	VN	NT	-20.20	-0.007537	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	VH	NT	-20.00	-0.007463	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	VL	NT	-1.10	-0.000439	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	VN	NT	-0.50	-0.000200	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	VH	NT	0.10	0.000040	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	VL	NT	-11.00	-0.004242	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	VN	NT	-10.20	-0.003934	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	VH	NT	-11.20	-0.004319	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	VL	NT	-20.00	-0.007463	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	VN	NT	-21.30	-0.007948	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	VH	NT	-20.30	-0.007575	±2.5	PASS

8.2. Frequency Vs Temperature

Temperature										
BAND	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
BAND41	20MHz	QPSK	39750	100RB#0	NV	-30	1.20	0.000479	±2.5	PASS
BAND41	20MHz	QPSK	39750	100RB#0	NV	-20	-0.30	-0.000120	±2.5	PASS
BAND41	20MHz	QPSK	39750	100RB#0	NV	0	-1.20	-0.000479	±2.5	PASS
BAND41	20MHz	QPSK	39750	100RB#0	NV	10	-1.30	-0.000519	±2.5	PASS
BAND41	20MHz	QPSK	39750	100RB#0	NV	20	-0.20	-0.000080	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	NV	-30	-10.40	-0.004011	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	NV	-20	-10.90	-0.004204	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	NV	0	-10.30	-0.003972	±2.5	PASS
BAND41	20MHz	QPSK	40620	100RB#0	NV	10	-11.50	-0.004435	±2.5	PASS

BAND41	20MHz	QPSK	40620	100RB#0	NV	20	-10.20	-0.003934	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	NV	-30	-19.50	-0.007276	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	NV	-20	-21.40	-0.007985	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	NV	0	-19.50	-0.007276	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	NV	10	-20.30	-0.007575	±2.5	PASS
BAND41	20MHz	QPSK	41490	100RB#0	NV	20	-21.00	-0.007836	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	NV	-30	4.80	0.001915	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	NV	-20	6.20	0.002474	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	NV	0	5.60	0.002235	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	NV	10	6.40	0.002554	±2.5	PASS
BAND41	20MHz	64QAM	39750	100RB#0	NV	20	5.90	0.002354	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	NV	-30	-10.70	-0.004126	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	NV	-20	-11.30	-0.004358	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	NV	0	-10.10	-0.003895	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	NV	10	-9.60	-0.003702	±2.5	PASS
BAND41	20MHz	64QAM	40620	100RB#0	NV	20	-11.00	-0.004242	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	NV	-30	-20.20	-0.007537	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	NV	-20	-21.00	-0.007836	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	NV	0	-20.00	-0.007463	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	NV	10	-19.70	-0.007351	±2.5	PASS
BAND41	20MHz	64QAM	41490	100RB#0	NV	20	-20.00	-0.007463	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	NV	-30	0.00	0.000000	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	NV	-20	0.50	0.000200	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	NV	0	0.00	0.000000	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	NV	10	-0.30	-0.000120	±2.5	PASS
BAND41	20MHz	16QAM	39750	100RB#0	NV	20	0.20	0.000080	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	NV	-30	-11.10	-0.004281	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	NV	-20	-10.90	-0.004204	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	NV	0	-11.00	-0.004242	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	NV	10	-11.70	-0.004512	±2.5	PASS
BAND41	20MHz	16QAM	40620	100RB#0	NV	20	-12.10	-0.004666	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	NV	-30	-19.70	-0.007351	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	NV	-20	-20.30	-0.007575	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	NV	0	-19.80	-0.007388	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	NV	10	-19.70	-0.007351	±2.5	PASS
BAND41	20MHz	16QAM	41490	100RB#0	NV	20	-19.90	-0.007425	±2.5	PASS

The End