LTE Band 41 Test Data

Product Name : Tablet

Model Number : xTablet T1190

FCC ID : O86T1190

Applicant:	MobileDemand, L.C. 1501 Boyson Sq Dr, Ste 101 Hiawatha, Iowa, 52233, United States
Manufacturer:	MobileDemand, L.C. No.88 East Qianjin Road, Kunshan city, Jiangsu province, China
Product Description:	Tablet
Trademark:	MobileDemand
Model Number:	xTablet T1190

Appendix A: RF POWER OUTPUT

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	22.13	PASS
Band41	5MHz	QPSK	39675	1RB#12	22.25	PASS
Band41	5MHz	QPSK	39675	1RB#24	22.19	PASS
Band41	5MHz	QPSK	39675	12RB#0	21.11	PASS
Band41	5MHz	QPSK	39675	12RB#6	21.15	PASS
Band41	5MHz	QPSK	39675	12RB#13	21.17	PASS
Band41	5MHz	QPSK	39675	25RB#0	21.10	PASS
Band41	5MHz	QPSK	39715	1RB#0	22.11	PASS
Band41	5MHz	QPSK	39715	1RB#12	22.23	PASS
Band41	5MHz	QPSK	39715	1RB#24	22.24	PASS
Band41	5MHz	QPSK	39715	12RB#0	21.10	PASS
Band41	5MHz	QPSK	39715	12RB#6	21.04	PASS
Band41	5MHz	QPSK	39715	12RB#13	21.11	PASS
Band41	5MHz	QPSK	39715	25RB#0	21.11	PASS
Band41	5MHz	QPSK	40620	1RB#0	22.12	PASS
Band41	5MHz	QPSK	40620	1RB#12	22.16	PASS
Band41	5MHz	QPSK	40620	1RB#24	22.06	PASS
Band41	5MHz	QPSK	40620	12RB#0	21.01	PASS
Band41	5MHz	QPSK	40620	12RB#6	21.00	PASS
Band41	5MHz	QPSK	40620	12RB#13	20.94	PASS
Band41	5MHz	QPSK	40620	25RB#0	20.99	PASS
Band41	5MHz	QPSK	41565	1RB#0	21.57	PASS
Band41	5MHz	QPSK	41565	1RB#12	21.61	PASS
Band41	5MHz	QPSK	41565	1RB#24	21.45	PASS
Band41	5MHz	QPSK	41565	12RB#0	20.59	PASS
Band41	5MHz	QPSK	41565	12RB#6	20.60	PASS
Band41	5MHz	QPSK	41565	12RB#13	20.56	PASS
Band41	5MHz	QPSK	41565	25RB#0	20.57	PASS
Band41	5MHz	16QAM	39675	1RB#0	21.05	PASS
Band41	5MHz	16QAM	39675	1RB#12	21.14	PASS
Band41	5MHz	16QAM	39675	1RB#24	21.06	PASS
Band41	5MHz	16QAM	39675	12RB#0	20.08	PASS

Band41	5MHz	16QAM	39675	12RB#6	20.10	PASS
Band41	5MHz	16QAM	39675	12RB#13	19.99	PASS
Band41	5MHz	16QAM	39675	25RB#0	20.15	PASS
Band41	5MHz	16QAM	39715	1RB#0	21.05	PASS
Band41	5MHz	16QAM	39715	1RB#12	21.16	PASS
Band41	5MHz	16QAM	39715	1RB#24	21.12	PASS
Band41	5MHz	16QAM	39715	12RB#0	20.04	PASS
Band41	5MHz	16QAM	39715	12RB#6	19.95	PASS
Band41	5MHz	16QAM	39715	12RB#13	20.01	PASS
Band41	5MHz	16QAM	39715	25RB#0	20.05	PASS
Band41	5MHz	16QAM	40620	1RB#0	20.94	PASS
Band41	5MHz	16QAM	40620	1RB#12	21.00	PASS
Band41	5MHz	16QAM	40620	1RB#24	20.99	PASS
Band41	5MHz	16QAM	40620	12RB#0	19.86	PASS
Band41	5MHz	16QAM	40620	12RB#6	19.85	PASS
Band41	5MHz	16QAM	40620	12RB#13	19.96	PASS
Band41	5MHz	16QAM	40620	25RB#0	19.97	PASS
Band41	5MHz	16QAM	41565	1RB#0	20.77	PASS
Band41	5MHz	16QAM	41565	1RB#12	20.67	PASS
Band41	5MHz	16QAM	41565	1RB#24	20.65	PASS
Band41	5MHz	16QAM	41565	12RB#0	19.56	PASS
Band41	5MHz	16QAM	41565	12RB#6	19.72	PASS
Band41	5MHz	16QAM	41565	12RB#13	19.68	PASS
Band41	5MHz	16QAM	41565	25RB#0	19.46	PASS
Band41	10MHz	QPSK	39700	1RB#0	22.00	PASS
Band41	10MHz	QPSK	39700	1RB#24	22.01	PASS
Band41	10MHz	QPSK	39700	1RB#49	22.26	PASS
Band41	10MHz	QPSK	39700	25RB#0	21.20	PASS
Band41	10MHz	QPSK	39700	25RB#12	21.19	PASS
Band41	10MHz	QPSK	39700	25RB#25	21.15	PASS
Band41	10MHz	QPSK	39700	50RB#0	21.17	PASS
Band41	10MHz	QPSK	39740	1RB#0	21.96	PASS
Band41	10MHz	QPSK	39740	1RB#24	22.18	PASS
Band41	10MHz	QPSK	39740	1RB#49	22.24	PASS
Band41	10MHz	QPSK	39740	25RB#0	21.09	PASS
Band41	10MHz	QPSK	39740	25RB#12	21.14	PASS
Band41	10MHz	QPSK	39740	25RB#25	21.23	PASS

Band41	10MHz	QPSK	39740	50RB#0	21.20	PASS
Band41	10MHz	QPSK	40620	1RB#0	22.09	PASS
Band41	10MHz	QPSK	40620	1RB#24	22.02	PASS
Band41	10MHz	QPSK	40620	1RB#49	22.03	PASS
Band41	10MHz	QPSK	40620	25RB#0	21.08	PASS
Band41	10MHz	QPSK	40620	25RB#12	21.08	PASS
Band41	10MHz	QPSK	40620	25RB#25	20.99	PASS
Band41	10MHz	QPSK	40620	50RB#0	21.12	PASS
Band41	10MHz	QPSK	41540	1RB#0	21.81	PASS
Band41	10MHz	QPSK	41540	1RB#24	21.57	PASS
Band41	10MHz	QPSK	41540	1RB#49	21.56	PASS
Band41	10MHz	QPSK	41540	25RB#0	20.71	PASS
Band41	10MHz	QPSK	41540	25RB#12	20.71	PASS
Band41	10MHz	QPSK	41540	25RB#25	20.63	PASS
Band41	10MHz	QPSK	41540	50RB#0	20.62	PASS
Band41	10MHz	16QAM	39700	1RB#0	21.29	PASS
Band41	10MHz	16QAM	39700	1RB#24	21.36	PASS
Band41	10MHz	16QAM	39700	1RB#49	21.40	PASS
Band41	10MHz	16QAM	39700	25RB#0	20.11	PASS
Band41	10MHz	16QAM	39700	25RB#12	20.15	PASS
Band41	10MHz	16QAM	39700	25RB#25	20.13	PASS
Band41	10MHz	16QAM	39700	50RB#0	20.14	PASS
Band41	10MHz	16QAM	39740	1RB#0	21.47	PASS
Band41	10MHz	16QAM	39740	1RB#24	21.37	PASS
Band41	10MHz	16QAM	39740	1RB#49	21.62	PASS
Band41	10MHz	16QAM	39740	25RB#0	20.06	PASS
Band41	10MHz	16QAM	39740	25RB#12	20.10	PASS
Band41	10MHz	16QAM	39740	25RB#25	20.28	PASS
Band41	10MHz	16QAM	39740	50RB#0	20.23	PASS
Band41	10MHz	16QAM	40620	1RB#0	21.54	PASS
Band41	10MHz	16QAM	40620	1RB#24	21.19	PASS
Band41	10MHz	16QAM	40620	1RB#49	21.50	PASS
Band41	10MHz	16QAM	40620	25RB#0	20.01	PASS
Band41	10MHz	16QAM	40620	25RB#12	20.05	PASS
Band41	10MHz	16QAM	40620	25RB#25	20.09	PASS
Band41	10MHz	16QAM	40620	50RB#0	20.05	PASS
Band41	10MHz	16QAM	41540	1RB#0	20.59	PASS

Band41	10MHz	16QAM	41540	1RB#24	20.44	PASS
Band41	10MHz	16QAM	41540	1RB#49	20.63	PASS
Band41	10MHz	16QAM	41540	25RB#0	19.67	PASS
Band41	10MHz	16QAM	41540	25RB#12	19.64	PASS
Band41	10MHz	16QAM	41540	25RB#25	19.67	PASS
Band41	10MHz	16QAM	41540	50RB#0	19.61	PASS
Band41	15MHz	QPSK	39725	1RB#0	22.12	PASS
Band41	15MHz	QPSK	39725	1RB#38	22.21	PASS
Band41	15MHz	QPSK	39725	1RB#74	22.22	PASS
Band41	15MHz	QPSK	39725	38RB#0	21.43	PASS
Band41	15MHz	QPSK	39725	38RB#18	21.63	PASS
Band41	15MHz	QPSK	39725	38RB#37	21.64	PASS
Band41	15MHz	QPSK	39725	75RB#0	21.22	PASS
Band41	15MHz	QPSK	39765	1RB#0	22.07	PASS
Band41	15MHz	QPSK	39765	1RB#38	22.13	PASS
Band41	15MHz	QPSK	39765	1RB#74	22.21	PASS
Band41	15MHz	QPSK	39765	38RB#0	21.44	PASS
Band41	15MHz	QPSK	39765	38RB#18	21.31	PASS
Band41	15MHz	QPSK	39765	38RB#37	21.58	PASS
Band41	15MHz	QPSK	39765	75RB#0	21.22	PASS
Band41	15MHz	QPSK	40620	1RB#0	22.17	PASS
Band41	15MHz	QPSK	40620	1RB#38	22.01	PASS
Band41	15MHz	QPSK	40620	1RB#74	21.95	PASS
Band41	15MHz	QPSK	40620	38RB#0	21.32	PASS
Band41	15MHz	QPSK	40620	38RB#18	21.04	PASS
Band41	15MHz	QPSK	40620	38RB#37	21.39	PASS
Band41	15MHz	QPSK	40620	75RB#0	21.07	PASS
Band41	15MHz	QPSK	41515	1RB#0	21.76	PASS
Band41	15MHz	QPSK	41515	1RB#38	21.67	PASS
Band41	15MHz	QPSK	41515	1RB#74	21.58	PASS
Band41	15MHz	QPSK	41515	38RB#0	20.87	PASS
Band41	15MHz	QPSK	41515	38RB#18	20.96	PASS
Band41	15MHz	QPSK	41515	38RB#37	20.88	PASS
Band41	15MHz	QPSK	41515	75RB#0	20.77	PASS
Band41	15MHz	16QAM	39725	1RB#0	21.37	PASS
Band41	15MHz	16QAM	39725	1RB#38	21.37	PASS
Band41	15MHz	16QAM	39725	1RB#74	21.62	PASS

Band41	15MHz	16QAM	39725	38RB#0	21.45	PASS
Band41	15MHz	16QAM	39725	38RB#18	21.38	PASS
Band41	15MHz	16QAM	39725	38RB#37	21.52	PASS
Band41	15MHz	16QAM	39725	75RB#0	20.16	PASS
Band41	15MHz	16QAM	39765	1RB#0	21.38	PASS
Band41	15MHz	16QAM	39765	1RB#38	21.30	PASS
Band41	15MHz	16QAM	39765	1RB#74	21.60	PASS
Band41	15MHz	16QAM	39765	38RB#0	21.44	PASS
Band41	15MHz	16QAM	39765	38RB#18	21.29	PASS
Band41	15MHz	16QAM	39765	38RB#37	21.45	PASS
Band41	15MHz	16QAM	39765	75RB#0	20.22	PASS
Band41	15MHz	16QAM	40620	1RB#0	21.46	PASS
Band41	15MHz	16QAM	40620	1RB#38	21.50	PASS
Band41	15MHz	16QAM	40620	1RB#74	21.25	PASS
Band41	15MHz	16QAM	40620	38RB#0	21.30	PASS
Band41	15MHz	16QAM	40620	38RB#18	21.03	PASS
Band41	15MHz	16QAM	40620	38RB#37	21.39	PASS
Band41	15MHz	16QAM	40620	75RB#0	20.04	PASS
Band41	15MHz	16QAM	41515	1RB#0	21.05	PASS
Band41	15MHz	16QAM	41515	1RB#38	20.60	PASS
Band41	15MHz	16QAM	41515	1RB#74	20.70	PASS
Band41	15MHz	16QAM	41515	38RB#0	21.04	PASS
Band41	15MHz	16QAM	41515	38RB#18	20.92	PASS
Band41	15MHz	16QAM	41515	38RB#37	20.85	PASS
Band41	15MHz	16QAM	41515	75RB#0	19.76	PASS
Band41	20MHz	QPSK	39750	1RB#0	22.26	PASS
Band41	20MHz	QPSK	39750	1RB#49	22.29	PASS
Band41	20MHz	QPSK	39750	1RB#99	22.33	PASS
Band41	20MHz	QPSK	39750	50RB#0	21.28	PASS
Band41	20MHz	QPSK	39750	50RB#25	21.30	PASS
Band41	20MHz	QPSK	39750	50RB#50	21.48	PASS
Band41	20MHz	QPSK	39750	100RB#0	21.46	PASS
Band41	20MHz	QPSK	39790	1RB#0	22.24	PASS
Band41	20MHz	QPSK	39790	1RB#49	22.18	PASS
Band41	20MHz	QPSK	39790	1RB#99	22.19	PASS
Band41	20MHz	QPSK	39790	50RB#0	21.30	PASS
Band41	20MHz	QPSK	39790	50RB#25	21.26	PASS

Band41	20MHz	QPSK	39790	50RB#50	21.24	PASS
Band41	20MHz	QPSK	39790	100RB#0	21.35	PASS
Band41	20MHz	QPSK	40620	1RB#0	22.28	PASS
Band41	20MHz	QPSK	40620	1RB#49	22.05	PASS
Band41	20MHz	QPSK	40620	1RB#99	22.08	PASS
Band41	20MHz	QPSK	40620	50RB#0	21.09	PASS
Band41	20MHz	QPSK	40620	50RB#25	21.16	PASS
Band41	20MHz	QPSK	40620	50RB#50	21.05	PASS
Band41	20MHz	QPSK	40620	100RB#0	21.11	PASS
Band41	20MHz	QPSK	41490	1RB#0	21.85	PASS
Band41	20MHz	QPSK	41490	1RB#49	21.75	PASS
Band41	20MHz	QPSK	41490	1RB#99	21.79	PASS
Band41	20MHz	QPSK	41490	50RB#0	20.84	PASS
Band41	20MHz	QPSK	41490	50RB#25	20.84	PASS
Band41	20MHz	QPSK	41490	50RB#50	20.64	PASS
Band41	20MHz	QPSK	41490	100RB#0	20.78	PASS
Band41	20MHz	16QAM	39750	1RB#0	21.09	PASS
Band41	20MHz	16QAM	39750	1RB#49	21.12	PASS
Band41	20MHz	16QAM	39750	1RB#99	21.34	PASS
Band41	20MHz	16QAM	39750	50RB#0	20.32	PASS
Band41	20MHz	16QAM	39750	50RB#25	20.35	PASS
Band41	20MHz	16QAM	39750	50RB#50	20.42	PASS
Band41	20MHz	16QAM	39750	100RB#0	20.47	PASS
Band41	20MHz	16QAM	39790	1RB#0	21.14	PASS
Band41	20MHz	16QAM	39790	1RB#49	21.14	PASS
Band41	20MHz	16QAM	39790	1RB#99	21.01	PASS
Band41	20MHz	16QAM	39790	50RB#0	20.27	PASS
Band41	20MHz	16QAM	39790	50RB#25	20.29	PASS
Band41	20MHz	16QAM	39790	50RB#50	20.23	PASS
Band41	20MHz	16QAM	39790	100RB#0	20.24	PASS
Band41	20MHz	16QAM	40620	1RB#0	21.23	PASS
Band41	20MHz	16QAM	40620	1RB#49	20.93	PASS
Band41	20MHz	16QAM	40620	1RB#99	20.93	PASS
Band41	20MHz	16QAM	40620	50RB#0	20.08	PASS
Band41	20MHz	16QAM	40620	50RB#25	20.13	PASS
Band41	20MHz	16QAM	40620	50RB#50	20.02	PASS
Band41	20MHz	16QAM	40620	100RB#0	20.10	PASS

Band41	20MHz	16QAM	41490	1RB#0	20.93	PASS
Band41	20MHz	16QAM	41490	1RB#49	20.88	PASS
Band41	20MHz	16QAM	41490	1RB#99	20.95	PASS
Band41	20MHz	16QAM	41490	50RB#0	19.76	PASS
Band41	20MHz	16QAM	41490	50RB#25	19.82	PASS
Band41	20MHz	16QAM	41490	50RB#50	19.76	PASS
Band41	20MHz	16QAM	41490	100RB#0	19.75	PASS

Appendix B: Peak-to-Average Ratio(CCDF)

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	4.83	13	PASS
Band41	5MHz	QPSK	39675	25RB#0	5.27	13	PASS
Band41	5MHz	QPSK	39715	1RB#0	4.83	13	PASS
Band41	5MHz	QPSK	39715	25RB#0	5.35	13	PASS
Band41	5MHz	QPSK	40620	1RB#0	4.66	13	PASS
Band41	5MHz	QPSK	40620	25RB#0	5.26	13	PASS
Band41	5MHz	QPSK	41565	1RB#0	4.45	13	PASS
Band41	5MHz	QPSK	41565	25RB#0	5.14	13	PASS
Band41	5MHz	16QAM	39675	1RB#0	5.35	13	PASS
Band41	5MHz	16QAM	39675	25RB#0	6.45	13	PASS
Band41	5MHz	16QAM	39715	1RB#0	5.87	13	PASS
Band41	5MHz	16QAM	39715	25RB#0	6.45	13	PASS
Band41	5MHz	16QAM	40620	1RB#0	5.14	13	PASS
Band41	5MHz	16QAM	40620	25RB#0	6.54	13	PASS
Band41	5MHz	16QAM	41565	1RB#0	5.62	13	PASS
Band41	5MHz	16QAM	41565	25RB#0	6.26	13	PASS
Band41	10MHz	QPSK	39700	1RB#0	4.57	13	PASS
Band41	10MHz	QPSK	39700	50RB#0	5.14	13	PASS
Band41	10MHz	QPSK	39740	1RB#0	4.73	13	PASS
Band41	10MHz	QPSK	39740	50RB#0	5.18	13	PASS
Band41	10MHz	QPSK	40620	1RB#0	4.40	13	PASS
Band41	10MHz	QPSK	40620	50RB#0	5.30	13	PASS
Band41	10MHz	QPSK	41540	1RB#0	4.35	13	PASS
Band41	10MHz	QPSK	41540	50RB#0	5.08	13	PASS
Band41	10MHz	16QAM	39700	1RB#0	5.51	13	PASS
Band41	10MHz	16QAM	39700	50RB#0	6.11	13	PASS
Band41	10MHz	16QAM	39740	1RB#0	5.75	13	PASS
Band41	10MHz	16QAM	39740	50RB#0	6.15	13	PASS
Band41	10MHz	16QAM	40620	1RB#0	5.46	13	PASS
Band41	10MHz	16QAM	40620	50RB#0	6.28	13	PASS

Band41	10MHz	16QAM	41540	1RB#0	5.01	13	PASS
Band41	10MHz	16QAM	41540	50RB#0	6.03	13	PASS
Band41	15MHz	QPSK	39725	1RB#0	4.44	13	PASS
Band41	15MHz	QPSK	39725	75RB#0	5.35	13	PASS
Band41	15MHz	QPSK	39765	1RB#0	4.67	13	PASS
Band41	15MHz	QPSK	39765	75RB#0	5.39	13	PASS
Band41	15MHz	QPSK	40620	1RB#0	4.62	13	PASS
Band41	15MHz	QPSK	40620	75RB#0	5.45	13	PASS
Band41	15MHz	QPSK	41515	1RB#0	4.08	13	PASS
Band41	15MHz	QPSK	41515	75RB#0	5.21	13	PASS
Band41	15MHz	16QAM	39725	1RB#0	5.53	13	PASS
Band41	15MHz	16QAM	39725	75RB#0	6.26	13	PASS
Band41	15MHz	16QAM	39765	1RB#0	5.76	13	PASS
Band41	15MHz	16QAM	39765	75RB#0	6.29	13	PASS
Band41	15MHz	16QAM	40620	1RB#0	5.42	13	PASS
Band41	15MHz	16QAM	40620	75RB#0	6.34	13	PASS
Band41	15MHz	16QAM	41515	1RB#0	5.15	13	PASS
Band41	15MHz	16QAM	41515	75RB#0	6.10	13	PASS
Band41	20MHz	QPSK	39750	1RB#0	4.46	13	PASS
Band41	20MHz	QPSK	39750	100RB#0	5.14	13	PASS
Band41	20MHz	QPSK	39790	1RB#0	4.67	13	PASS
Band41	20MHz	QPSK	39790	100RB#0	5.21	13	PASS
Band41	20MHz	QPSK	40620	1RB#0	4.43	13	PASS
Band41	20MHz	QPSK	40620	100RB#0	5.26	13	PASS
Band41	20MHz	QPSK	41490	1RB#0	4.04	13	PASS
Band41	20MHz	QPSK	41490	100RB#0	5.06	13	PASS
Band41	20MHz	16QAM	39750	1RB#0	5.43	13	PASS
Band41	20MHz	16QAM	39750	100RB#0	6.06	13	PASS
Band41	20MHz	16QAM	39790	1RB#0	5.54	13	PASS
Band41	20MHz	16QAM	39790	100RB#0	6.14	13	PASS
Band41	20MHz	16QAM	40620	1RB#0	5.23	13	PASS
Band41	20MHz	16QAM	40620	100RB#0	6.23	13	PASS
Band41	20MHz	16QAM	41490	1RB#0	4.89	13	PASS
Band41	20MHz	16QAM	41490	100RB#0	6.04	13	PASS

Test Graphs

Band41-5MHz-QPSK-39675-1RB#0
Band41-5MHz-QPSK-39675-25RB#0
Band41-5MHz-QPSK-40620-1RB#0

Band41-5MHz-QPSK-40620-25RB#0

Band41-5MHz-QPSK-41565-1RB#0

Band41-5MHz-QPSK-41565-25RB#0

Band41-5MHz-16QAM-39675-1RB#0

Band41-5MHz-16QAM-39675-25RB#0

Band41-5MHz-16QAM-40620-1RB#0

Band41-5MHz-16QAM-40620-25RB#0

Band41-5MHz-16QAM-41565-1RB#0

Band41-5MHz-16QAM-41565-25RB#0

Band41-10MHz-QPSK-39700-1RB#0

Band41-10MHz-QPSK-39700-50RB#0

Band41-10MHz-QPSK-40620-1RB#0

Band41-10MHz-QPSK-40620-50RB#0

Band41-10MHz-QPSK-41540-1RB#0

Band41-10MHz-QPSK-41540-50RB#0

Band41-10MHz-16QAM-39700-1RB#0

Band41-10MHz-16QAM-39700-50RB#0

Band41-10MHz-16QAM-40620-1RB#0

Band41-10MHz-16QAM-40620-50RB#0

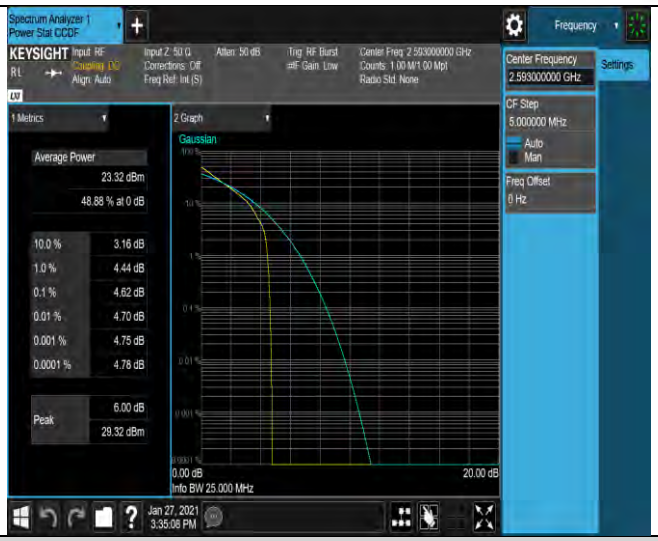
Band41-10MHz-16QAM-41540-1RB#0

Band41-10MHz-16QAM-41540-50RB#0

Band41-15MHz-QPSK-39725-1RB#0

Band41-15MHz-QPSK-39725-75RB#0

Band41-15MHz-QPSK-40620-1RB#0



Band41-15MHz-QPSK-40620-75RB#0

Band41-15MHz-QPSK-41515-1RB#0

Band41-15MHz-QPSK-41515-75RB#0

Band41-15MHz-16QAM-39725-1RB#0

Band41-15MHz-16QAM-39725-75RB#0

Band41-15MHz-16QAM-40620-1RB#0

Band41-15MHz-16QAM-40620-75RB#0

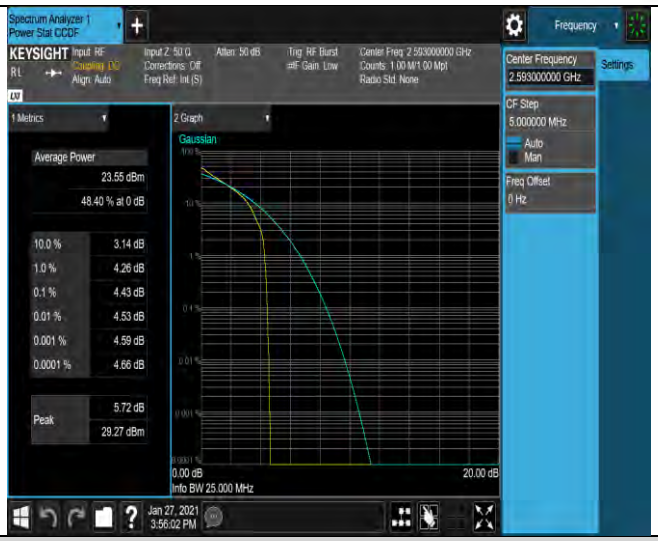
Band41-15MHz-16QAM-41515-1RB#0

Band41-15MHz-16QAM-41515-75RB#0

Band41-20MHz-QPSK-39750-1RB#0

Band41-20MHz-QPSK-39750-100RB#0

Band41-20MHz-QPSK-40620-1RB#0



Band41-20MHz-QPSK-40620-100RB#0

Band41-20MHz-QPSK-41490-1RB#0

Band41-20MHz-QPSK-41490-100RB#0

Band41-20MHz-16QAM-39750-1RB#0

Band41-20MHz-16QAM-39750-100RB#0

Band41-20MHz-16QAM-40620-1RB#0

Band41-20MHz-16QAM-40620-100RB#0

Band41-20MHz-16QAM-41490-1RB#0

Band41-20MHz-16QAM-41490-100RB#0

Spectrum Analyzer 1
Power Stat CCDF
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 50 dB
Trig: RF Burst
#IF Gain: Low
Center Freq: 2.680000000 GHz
Counts: 1.00 M/1.00 Mpt
Radio Std: None
Frequency
Center Frequency
2.680000000 GHz
Settings
CF Step
5.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Metrics
Average Power
22.24 dBm
42.65 % at 0 dB
10.0 % 3.09 dB
1.0 % 5.19 dB
0.1 % 6.04 dB
0.01 % 6.43 dB
0.001 % 6.61 dB
0.0001 % 6.74 dB
Peak 6.76 dB
29.00 dBm
2 Graph
Gaussian
0.00 dB
20.00 dB
Info BW 25.000 MHz
Jan 27, 2021
3:57:10 PM

Appendix C: 26dB Bandwidth and Occupied Bandwidth

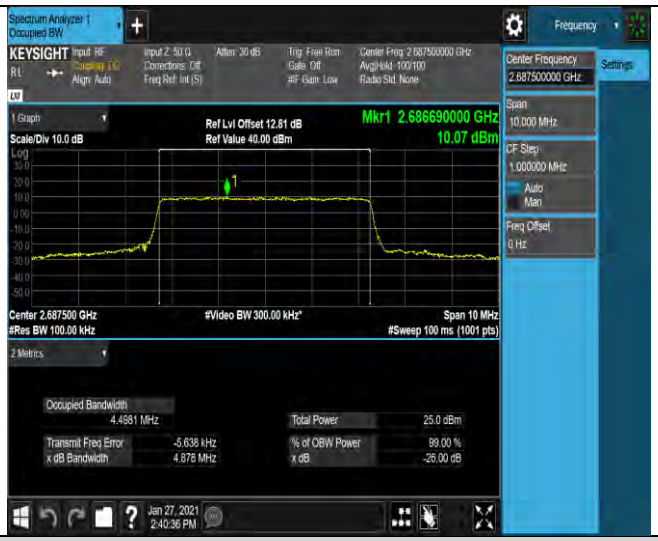
Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
Band41	5MHz	QPSK	39675	25RB#0	4.4967	4.869	PASS
Band41	5MHz	QPSK	39715	25RB#0	4.4944	4.861	PASS
Band41	5MHz	QPSK	40620	25RB#0	4.4962	4.895	PASS
Band41	5MHz	QPSK	41565	25RB#0	4.4981	4.878	PASS
Band41	5MHz	16QAM	39675	25RB#0	4.4960	4.850	PASS
Band41	5MHz	16QAM	39715	25RB#0	4.4983	4.823	PASS
Band41	5MHz	16QAM	40620	25RB#0	4.4976	4.845	PASS
Band41	5MHz	16QAM	41565	25RB#0	4.4990	4.848	PASS
Band41	10MHz	QPSK	39700	50RB#0	8.9712	9.563	PASS
Band41	10MHz	QPSK	39740	50RB#0	8.9623	9.509	PASS
Band41	10MHz	QPSK	40620	50RB#0	8.9659	9.544	PASS
Band41	10MHz	QPSK	41540	50RB#0	8.9690	9.511	PASS
Band41	10MHz	16QAM	39700	50RB#0	8.9803	9.544	PASS
Band41	10MHz	16QAM	39740	50RB#0	8.9729	9.527	PASS
Band41	10MHz	16QAM	40620	50RB#0	8.9809	9.521	PASS
Band41	10MHz	16QAM	41540	50RB#0	8.9740	9.555	PASS
Band41	15MHz	QPSK	39725	75RB#0	13.456	14.28	PASS
Band41	15MHz	QPSK	39765	75RB#0	13.459	14.26	PASS
Band41	15MHz	QPSK	40620	75RB#0	13.464	14.27	PASS
Band41	15MHz	QPSK	41515	75RB#0	13.467	14.30	PASS
Band41	15MHz	16QAM	39725	75RB#0	13.443	14.28	PASS
Band41	15MHz	16QAM	39765	75RB#0	13.451	14.25	PASS
Band41	15MHz	16QAM	40620	75RB#0	13.457	14.27	PASS
Band41	15MHz	16QAM	41515	75RB#0	13.455	14.27	PASS
Band41	20MHz	QPSK	39750	100RB#0	17.897	18.99	PASS
Band41	20MHz	QPSK	39790	100RB#0	17.916	18.96	PASS
Band41	20MHz	QPSK	40620	100RB#0	17.946	18.96	PASS
Band41	20MHz	QPSK	41490	100RB#0	17.861	18.92	PASS
Band41	20MHz	16QAM	39750	100RB#0	17.901	18.94	PASS
Band41	20MHz	16QAM	39790	100RB#0	17.905	18.94	PASS

Band41	20MHz	16QAM	40620	100RB#0	17.911	18.97	PASS
Band41	20MHz	16QAM	41490	100RB#0	17.881	18.96	PASS

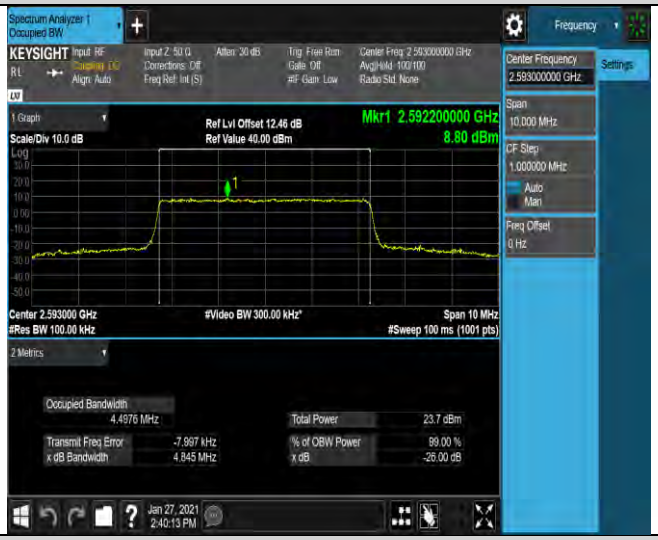
Test Graphs

Band41-5MHz-QPSK-39675-25RB#0-4.4967
Band41-5MHz-QPSK-40620-25RB#0-4.4962
Band41-5MHz-QPSK-41565-25RB#0-4.4981

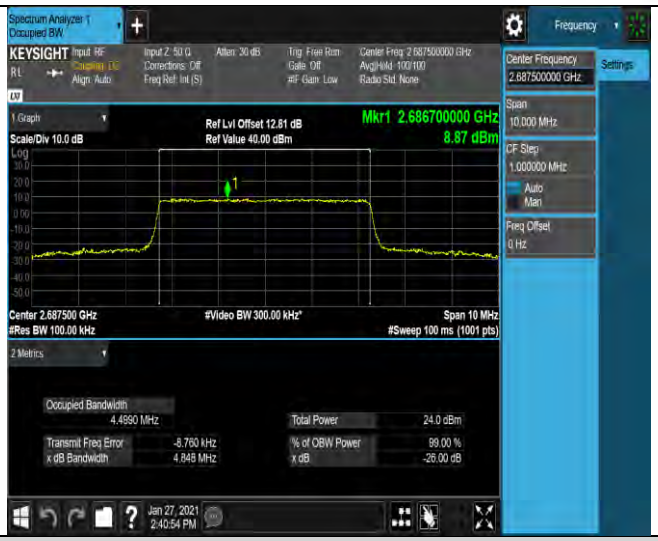


Band41-5MHz-16QAM-39675-25RB#0-4.4960

Band41-5MHz-16QAM-40620-25RB#0-4.4976

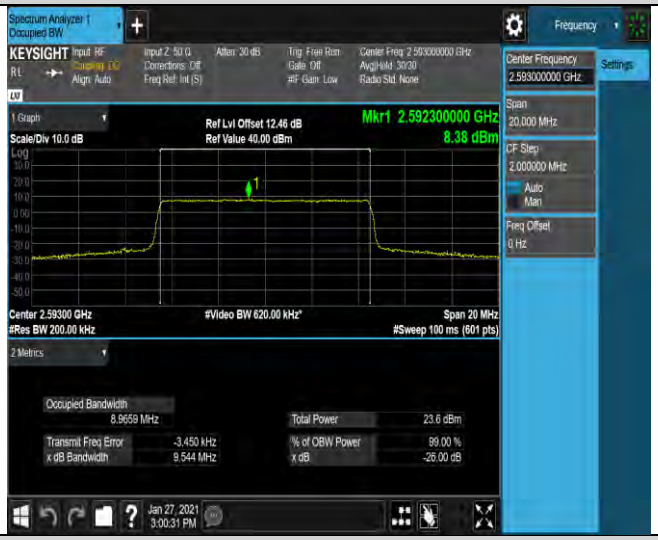


Band41-5MHz-16QAM-41565-25RB#0-4.4990

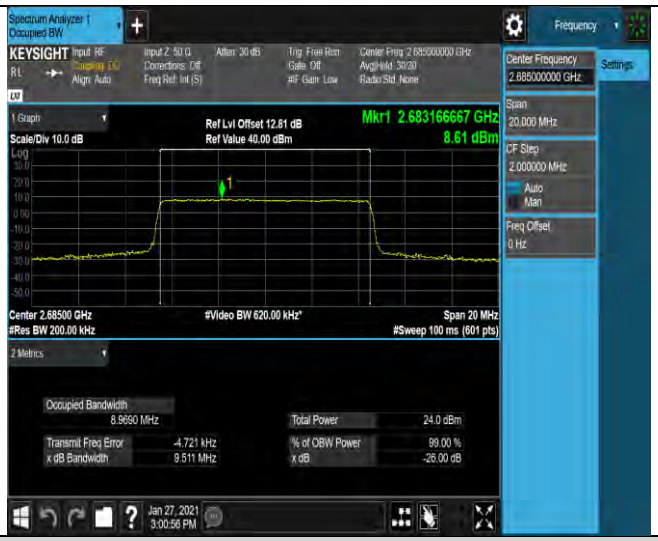


Band41-10MHz-QPSK-39700-50RB#0-8.9712

Band41-10MHz-QPSK-40620-50RB#0-8.9659

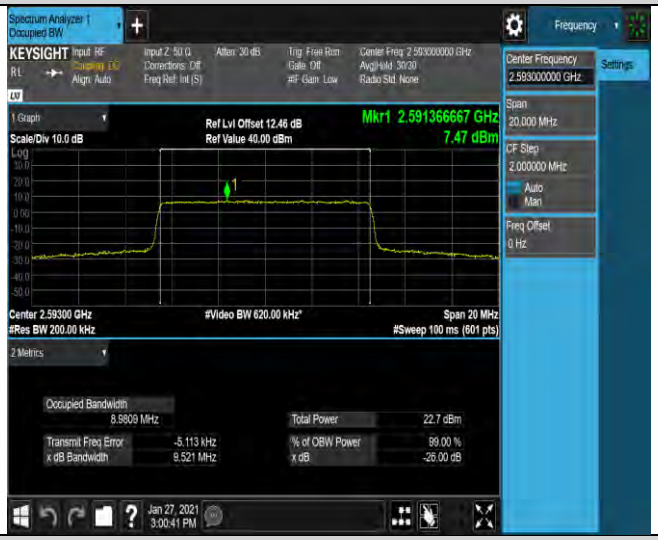


Band41-10MHz-QPSK-41540-50RB#0-8.9690



Band41-10MHz-16QAM-39700-50RB#0-8.9803

Band41-10MHz-16QAM-40620-50RB#0-8.9809



Band41-10MHz-16QAM-41540-50RB#0-8.9740

Band41-15MHz-QPSK-39725-75RB#0-13.456

Band41-15MHz-QPSK-40620-75RB#0-13.464

Band41-15MHz-QPSK-41515-75RB#0-13.467

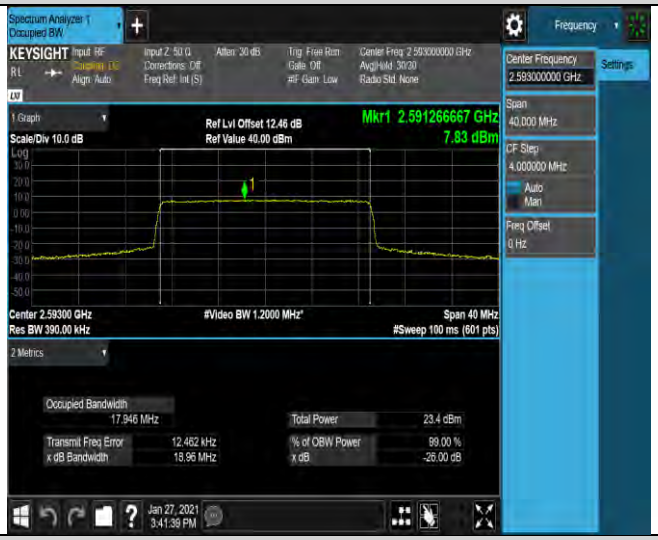
Band41-15MHz-16QAM-39725-75RB#0-13.443

Band41-15MHz-16QAM-40620-75RB#0-13.457

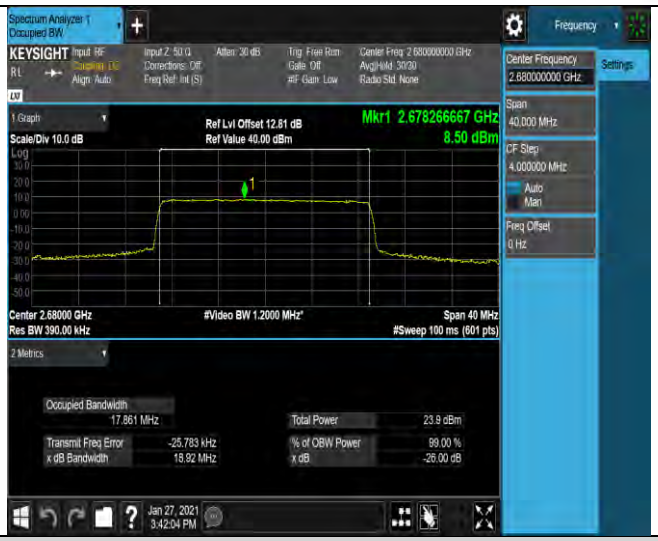
Band41-15MHz-16QAM-41515-75RB#0-13.455

Band41-20MHz-QPSK-39750-100RB#0-17.897

Band41-20MHz-QPSK-40620-100RB#0-17.946

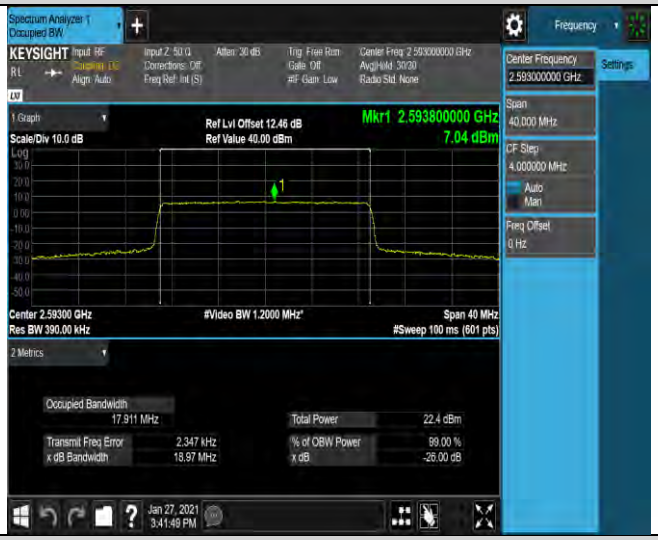


Band41-20MHz-QPSK-41490-100RB#0-17.861



Band41-20MHz-16QAM-39750-100RB#0-17.901

Band41-20MHz-16QAM-40620-100RB#0-17.911



Band41-20MHz-16QAM-41490-100RB#0-17.881

Spectrum Analyzer 1
Occupied BW
KEYSIGHT
Input: RF
Coupling: DC
Align: Auto
Input Z: 50 Ω
Corrections: Off
Freq Ref: Int (S)
Atten: 30 dB
Trig: Free Run
Gate: Off
#IF Gain: Low
Center Freq: 2.680000000 GHz
Avg|Hold: 30/30
Radio Std: None
Frequency
Center Frequency
2.680000000 GHz
Settings
Span
40.000 MHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz
1 Graph
Scale/Div 10.0 dB
Log
Ref Lvl Offset 12.81 dB
Ref Value 40.00 dBm
Mkr1 2.679266667 GHz
7.48 dBm
Center 2.68000 GHz
Res BW 390.00 kHz
#Video BW 1.2000 MHz*
Span 40 MHz
#Sweep 100 ms (601 pts)
2 Metrics
Occupied Bandwidth
17.881 MHz
Total Power
22.9 dBm
Transmit Freq Error
-26.131 kHz
x dB Bandwidth
18.96 MHz
% of OBW Power
99.00 %
x dB
-26.00 dB
Jan 27, 2021
3:42:14 PM

Appendix D: Band Edge

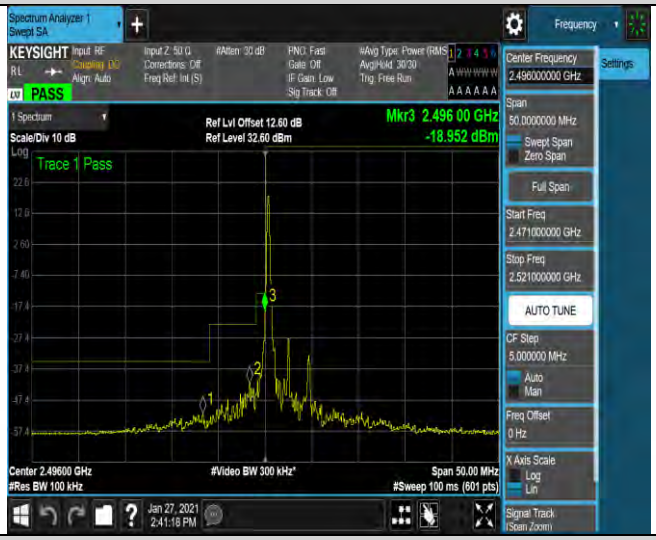
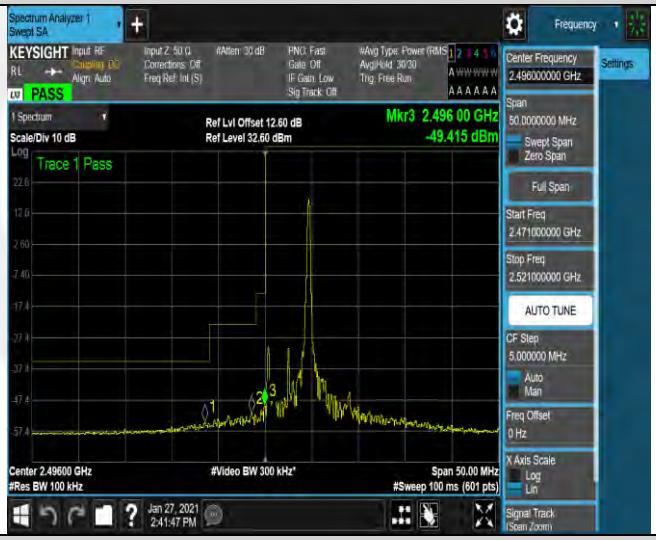
Test Result

Band	Bandwidth	Modulation	Channel	RB Config.	Verdict
Band41	5MHz	QPSK	39675	1RB#0	PASS
Band41	5MHz	QPSK	39675	1RB#24	PASS
Band41	5MHz	QPSK	39675	25RB#0	PASS
Band41	5MHz	QPSK	39715	1RB#0	PASS
Band41	5MHz	QPSK	39715	1RB#24	PASS
Band41	5MHz	QPSK	39715	25RB#0	PASS
Band41	5MHz	QPSK	41565	1RB#0	PASS
Band41	5MHz	QPSK	41565	1RB#24	PASS
Band41	5MHz	QPSK	41565	25RB#0	PASS
Band41	5MHz	16QAM	39675	1RB#0	PASS
Band41	5MHz	16QAM	39675	1RB#24	PASS
Band41	5MHz	16QAM	39675	25RB#0	PASS
Band41	5MHz	16QAM	39715	1RB#0	PASS
Band41	5MHz	16QAM	39715	1RB#24	PASS
Band41	5MHz	16QAM	39715	25RB#0	PASS
Band41	5MHz	16QAM	41565	1RB#0	PASS
Band41	5MHz	16QAM	41565	1RB#24	PASS
Band41	5MHz	16QAM	41565	25RB#0	PASS
Band41	10MHz	QPSK	39700	1RB#0	PASS
Band41	10MHz	QPSK	39700	1RB#49	PASS
Band41	10MHz	QPSK	39700	50RB#0	PASS
Band41	10MHz	QPSK	39740	1RB#0	PASS
Band41	10MHz	QPSK	39740	1RB#49	PASS
Band41	10MHz	QPSK	39740	50RB#0	PASS
Band41	10MHz	QPSK	41540	1RB#0	PASS
Band41	10MHz	QPSK	41540	1RB#49	PASS
Band41	10MHz	QPSK	41540	50RB#0	PASS
Band41	10MHz	16QAM	39700	1RB#0	PASS
Band41	10MHz	16QAM	39700	1RB#49	PASS
Band41	10MHz	16QAM	39700	50RB#0	PASS
Band41	10MHz	16QAM	39740	1RB#0	PASS
Band41	10MHz	16QAM	39740	1RB#49	PASS
Band41	10MHz	16QAM	39740	50RB#0	PASS

Band41	10MHz	16QAM	41540	1RB#0	PASS
Band41	10MHz	16QAM	41540	1RB#49	PASS
Band41	10MHz	16QAM	41540	50RB#0	PASS
Band41	15MHz	QPSK	39725	1RB#0	PASS
Band41	15MHz	QPSK	39725	1RB#74	PASS
Band41	15MHz	QPSK	39725	75RB#0	PASS
Band41	15MHz	QPSK	39765	1RB#0	PASS
Band41	15MHz	QPSK	39765	1RB#74	PASS
Band41	15MHz	QPSK	39765	75RB#0	PASS
Band41	15MHz	QPSK	41515	1RB#0	PASS
Band41	15MHz	QPSK	41515	1RB#74	PASS
Band41	15MHz	QPSK	41515	75RB#0	PASS
Band41	15MHz	16QAM	39725	1RB#0	PASS
Band41	15MHz	16QAM	39725	1RB#74	PASS
Band41	15MHz	16QAM	39725	75RB#0	PASS
Band41	15MHz	16QAM	39765	1RB#0	PASS
Band41	15MHz	16QAM	39765	1RB#74	PASS
Band41	15MHz	16QAM	39765	75RB#0	PASS
Band41	15MHz	16QAM	41515	1RB#0	PASS
Band41	15MHz	16QAM	41515	1RB#74	PASS
Band41	15MHz	16QAM	41515	75RB#0	PASS
Band41	20MHz	QPSK	39750	1RB#0	PASS
Band41	20MHz	QPSK	39750	1RB#99	PASS
Band41	20MHz	QPSK	39750	100RB#0	PASS
Band41	20MHz	QPSK	39790	1RB#0	PASS
Band41	20MHz	QPSK	39790	1RB#99	PASS
Band41	20MHz	QPSK	39790	100RB#0	PASS
Band41	20MHz	QPSK	41490	1RB#0	PASS
Band41	20MHz	QPSK	41490	1RB#99	PASS
Band41	20MHz	QPSK	41490	100RB#0	PASS
Band41	20MHz	16QAM	39750	1RB#0	PASS
Band41	20MHz	16QAM	39750	1RB#99	PASS
Band41	20MHz	16QAM	39750	100RB#0	PASS
Band41	20MHz	16QAM	39790	1RB#0	PASS
Band41	20MHz	16QAM	39790	1RB#99	PASS
Band41	20MHz	16QAM	39790	100RB#0	PASS
Band41	20MHz	16QAM	41490	1RB#0	PASS

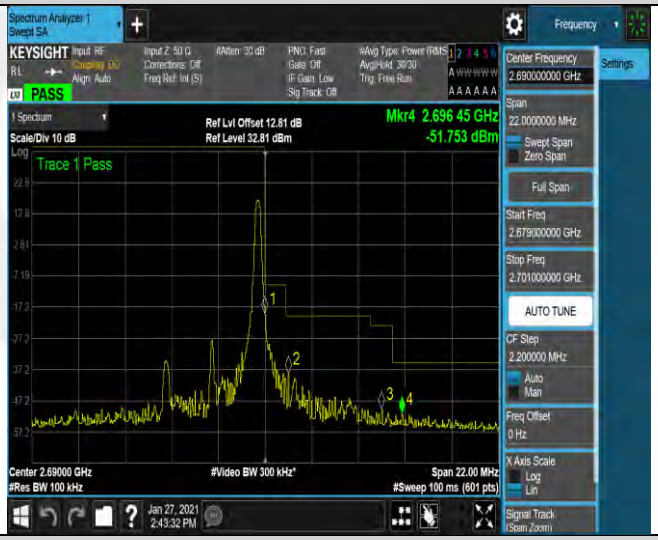
Band41	20MHz	16QAM	41490	1RB#99	PASS
Band41	20MHz	16QAM	41490	100RB#0	PASS

Test Graphs

Band41-5MHz-QPSK-39675-1RB#0

Band41-5MHz-QPSK-39675-1RB#24

Band41-5MHz-QPSK-39675-25RB#0

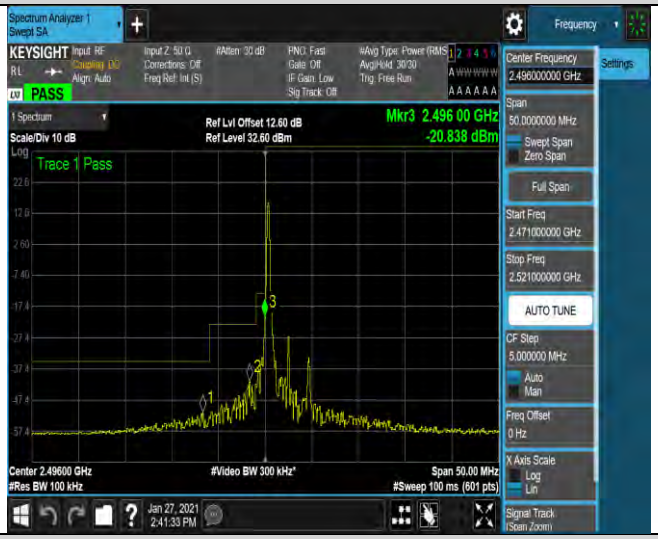
Band41-5MHz-QPSK-41565-1RB#0

Band41-5MHz-QPSK-41565-1RB#24

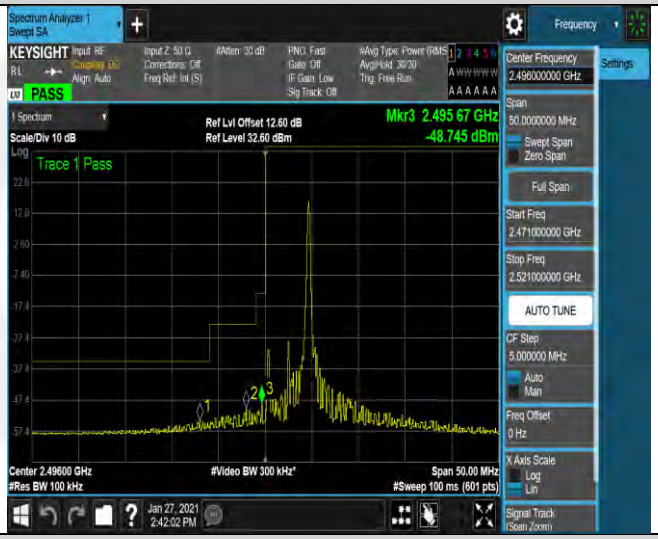


Band41-5MHz-QPSK-41565-25RB#0

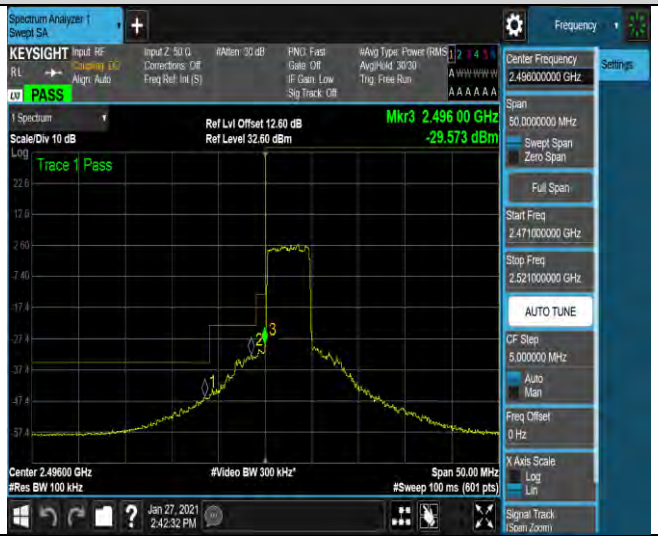
Band41-5MHz-16QAM-39675-1RB#0



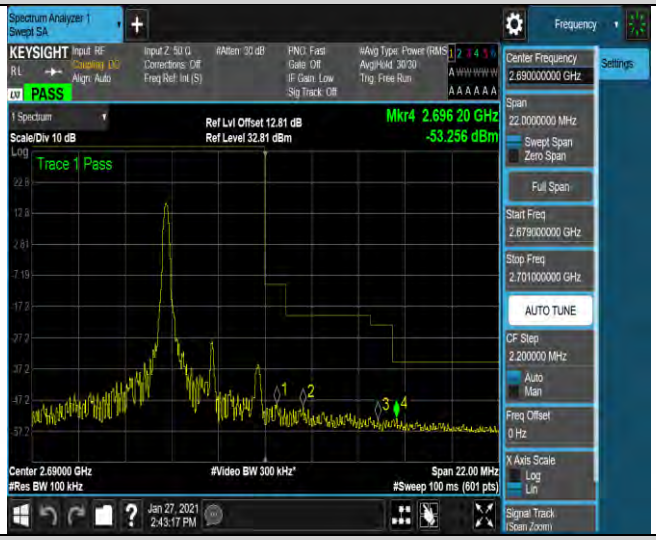
Band41-5MHz-16QAM-39675-1RB#24



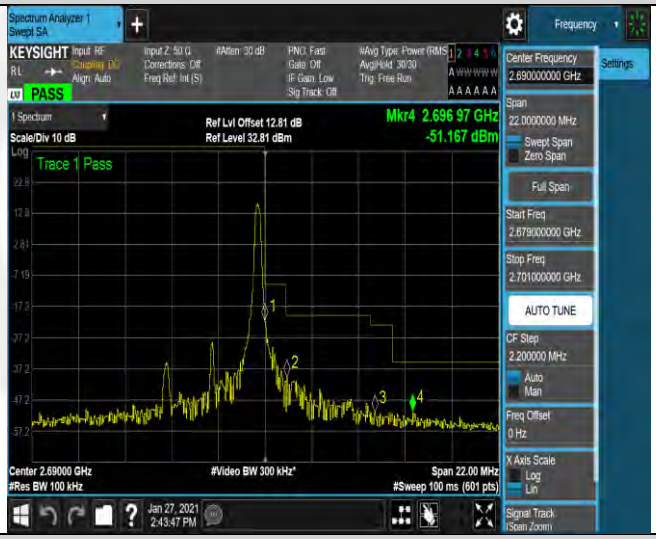
Band41-5MHz-16QAM-39675-25RB#0



Band41-5MHz-16QAM-41565-1RB#0



Band41-5MHz-16QAM-41565-1RB#24



Band41-5MHz-16QAM-41565-25RB#0

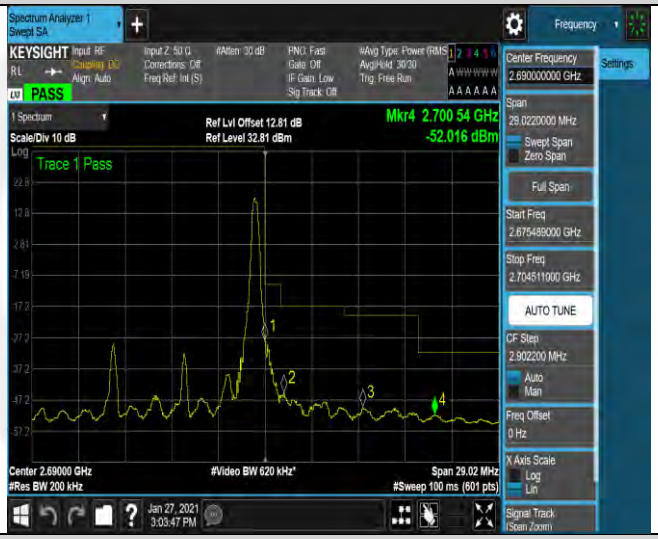
Band41-10MHz-QPSK-39700-1RB#0

Band41-10MHz-QPSK-39700-1RB#49

Band41-10MHz-QPSK-39700-50RB#0

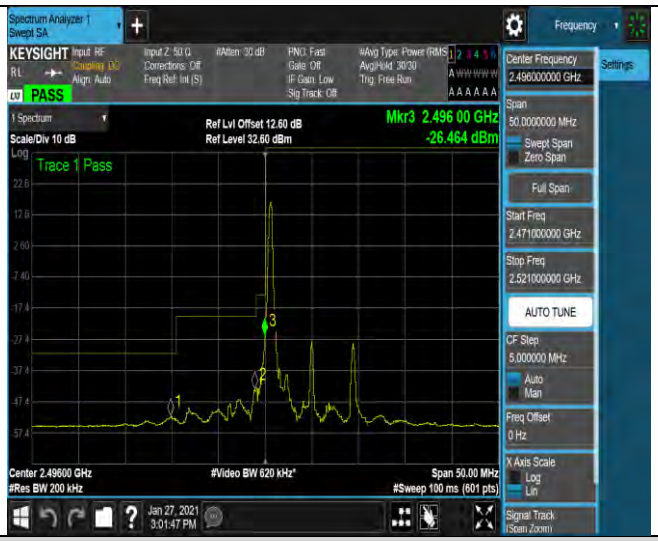
Band41-10MHz-QPSK-41540-1RB#0

Band41-10MHz-QPSK-41540-1RB#49



Band41-10MHz-QPSK-41540-50RB#0

Band41-10MHz-16QAM-39700-1RB#0



Band41-10MHz-16QAM-39700-1RB#49

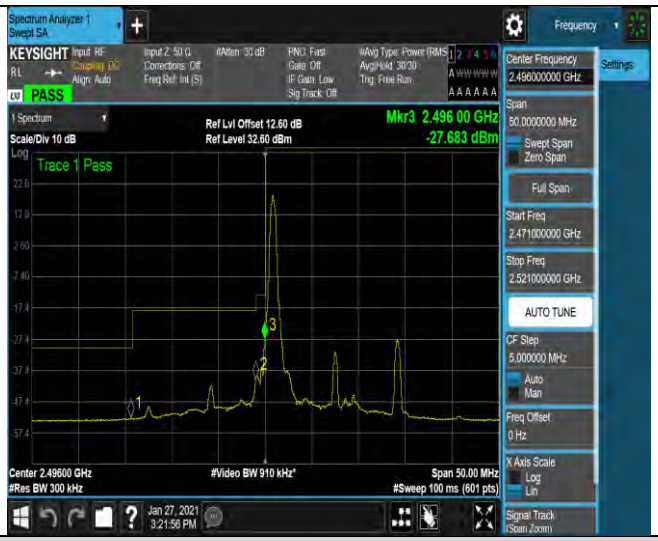
Band41-10MHz-16QAM-39700-50RB#0

Band41-10MHz-16QAM-41540-1RB#0

Band41-10MHz-16QAM-41540-1RB#49

Band41-10MHz-16QAM-41540-50RB#0

Band41-15MHz-QPSK-39725-1RB#0



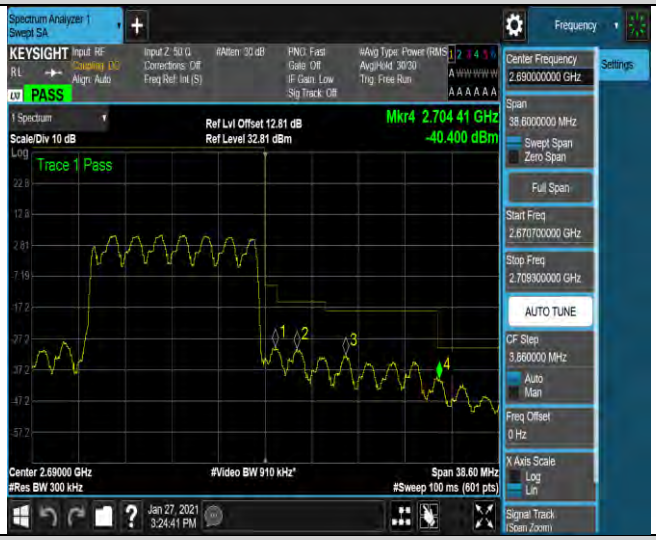
Band41-15MHz-QPSK-39725-1RB#74

Band41-15MHz-QPSK-39725-75RB#0

Band41-15MHz-QPSK-41515-1RB#0

Band41-15MHz-QPSK-41515-1RB#74

Band41-15MHz-QPSK-41515-75RB#0



Band41-15MHz-16QAM-39725-1RB#0

Band41-15MHz-16QAM-39725-1RB#74

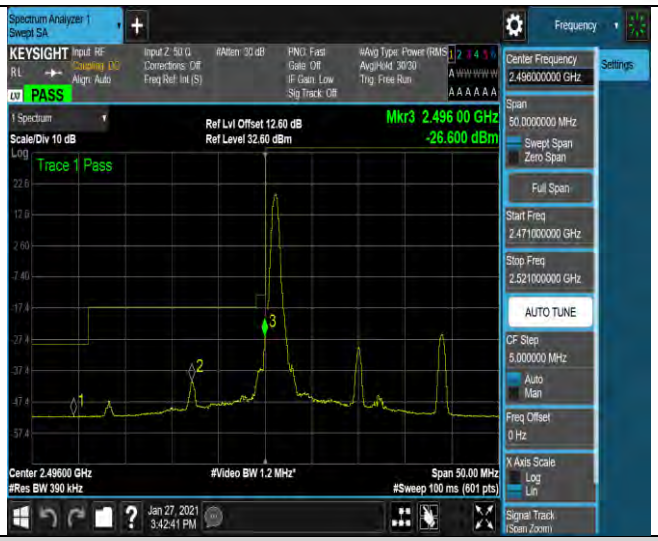
Band41-15MHz-16QAM-39725-75RB#0

Band41-15MHz-16QAM-41515-1RB#0

Band41-15MHz-16QAM-41515-1RB#74

Band41-15MHz-16QAM-41515-75RB#0

Band41-20MHz-QPSK-39750-1RB#0



Band41-20MHz-QPSK-39750-1RB#99

Band41-20MHz-QPSK-39750-100RB#0

Band41-20MHz-QPSK-41490-1RB#0

Band41-20MHz-QPSK-41490-1RB#99

Band41-20MHz-QPSK-41490-100RB#0

Band41-20MHz-16QAM-39750-1RB#0

Band41-20MHz-16QAM-39750-1RB#99

Band41-20MHz-16QAM-39750-100RB#0

Band41-20MHz-16QAM-41490-1RB#0

Band41-20MHz-16QAM-41490-1RB#99

Band41-20MHz-16QAM-41490-100RB#0

Appendix E: Conducted Spurious Emission

Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Frequency Range	Result (dBm)	Verdict
Band41	5MHz	QPSK	39675	1RB#0	Range1:30~1000MHz	-67.39	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range2:1000~3000MHz	-40.47	PASS
Band41	5MHz	QPSK	39675	1RB#0	Range3:3000~26500MHz	-44.66	PASS
Band41	5MHz	QPSK	39715	1RB#0	Range1:30~1000MHz	-67.8	PASS
Band41	5MHz	QPSK	39715	1RB#0	Range2:1000~3000MHz	-40.16	PASS
Band41	5MHz	QPSK	39715	1RB#0	Range3:3000~26500MHz	-44.46	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range1:30~1000MHz	-40.04	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range2:1000~3000MHz	-39.67	PASS
Band41	5MHz	QPSK	40620	1RB#0	Range3:3000~26500MHz	-49	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range1:30~1000MHz	-67.22	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range2:1000~3000MHz	-39.66	PASS
Band41	5MHz	QPSK	41565	1RB#0	Range3:3000~26500MHz	-39.77	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range1:30~1000MHz	-66.91	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range2:1000~3000MHz	-39.71	PASS
Band41	5MHz	16QAM	39675	1RB#0	Range3:3000~26500MHz	-48.33	PASS
Band41	5MHz	16QAM	39715	1RB#0	Range1:30~1000MHz	-67.09	PASS
Band41	5MHz	16QAM	39715	1RB#0	Range2:1000~3000MHz	-40.44	PASS
Band41	5MHz	16QAM	39715	1RB#0	Range3:3000~26500MHz	-45.44	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range1:30~1000MHz	-42.06	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range2:1000~3000MHz	-38.91	PASS
Band41	5MHz	16QAM	40620	1RB#0	Range3:3000~26500MHz	-45.81	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range1:30~1000MHz	-67.59	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range2:1000~3000MHz	-39.07	PASS
Band41	5MHz	16QAM	41565	1RB#0	Range3:3000~26500MHz	-48.58	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range1:30~1000MHz	-67.71	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range2:1000~3000MHz	-39.89	PASS
Band41	10MHz	QPSK	39700	1RB#0	Range3:3000~26500MHz	-45.95	PASS
Band41	10MHz	QPSK	39740	1RB#0	Range1:30~1000MHz	-66.36	PASS
Band41	10MHz	QPSK	39740	1RB#0	Range2:1000~3000MHz	-39.79	PASS
Band41	10MHz	QPSK	39740	1RB#0	Range3:3000~26500MHz	-49.14	PASS