Appendix A: Average Power Output Data

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	high Limit (dBm)	Verdict
Band41(2555-2655)	5	40265	1	#0	QPSK	19.05	37	PASS
Band41(2555-2655)	5	40265	1	#Mid	QPSK	19.25	37	PASS
Band41(2555-2655)	5	40265	1	#Max	QPSK	19.15	37	PASS
Band41(2555-2655)	5	40265	12	#0	QPSK	18.43	37	PASS
Band41(2555-2655)	5	40265	12	#Max	QPSK	18.45	37	PASS
Band41(2555-2655)	5	40265	25	#0	QPSK	18.42	37	PASS
Band41(2555-2655)	5	40265	1	#0	QAM16	18.35	37	PASS
Band41(2555-2655)	5	40265	1	#Mid	QAM16	18.54	37	PASS
Band41(2555-2655)	5	40265	1	#Max	QAM16	18.31	37	PASS
Band41(2555-2655)	5	40265	12	#0	QAM16	17.39	37	PASS
Band41(2555-2655)	5	40265	12	#Max	QAM16	17.30	37	PASS
Band41(2555-2655)	5	40265	25	#0	QAM16	17.38	37	PASS
Band41(2555-2655)	5	40740	1	#0	QPSK	19.26	37	PASS
Band41(2555-2655)	5	40740	1	#Mid	QPSK	19.35	37	PASS
Band41(2555-2655)	5	40740	1	#Max	QPSK	19.10	37	PASS
Band41(2555-2655)	5	40740	12	#0	QPSK	18.58	37	PASS
Band41(2555-2655)	5	40740	12	#Max	QPSK	18.52	37	PASS
Band41(2555-2655)	5	40740	25	#0	QPSK	18.55	37	PASS
Band41(2555-2655)	5	40740	1	#0	QAM16	18.83	37	PASS
Band41(2555-2655)	5	40740	1	#Mid	QAM16	18.94	37	PASS
Band41(2555-2655)	5	40740	1	#Max	QAM16	18.92	37	PASS
Band41(2555-2655)	5	40740	12	#0	QAM16	17.36	37	PASS
Band41(2555-2655)	5	40740	12	#Max	QAM16	17.14	37	PASS
Band41(2555-2655)	5	40740	25	#0	QAM16	17.23	37	PASS
Band41(2555-2655)	5	41215	1	#0	QPSK	18.24	37	PASS
Band41(2555-2655)	5	41215	1	#Mid	QPSK	18.41	37	PASS
Band41(2555-2655)	5	41215	1	#Max	QPSK	18.18	37	PASS
Band41(2555-2655)	5	41215	12	#0	QPSK	17.70	37	PASS
Band41(2555-2655)	5	41215	12	#Max	QPSK	17.76	37	PASS
Band41(2555-2655)	5	41215	25	#0	QPSK	17.84	37	PASS
Band41(2555-2655)	5	41215	1	#0	QAM16	17.43	37	PASS
Band41(2555-2655)	5	41215	1	#Mid	QAM16	17.76	37	PASS
Band41(2555-2655)	5	41215	1	#Max	QAM16	17.69	37	PASS
Band41(2555-2655)	5	41215	12	#0	QAM16	16.49	37	PASS
Band41(2555-2655)	5	41215	12	#Max	QAM16	16.24	37	PASS
Band41(2555-2655)	5	41215	25	#0	QAM16	16.46	37	PASS
Band41(2555-2655)	10	40290	1	#0	QPSK	19.42	37	PASS
Band41(2555-2655)	10	40290	1	#Mid	QPSK	19.25	37	PASS
Band41(2555-2655)	10	40290	1	#Max	QPSK	19.23	37	PASS
Band41(2555-2655)	10	40290	25	#0	QPSK	18.41	37	PASS
Band41(2555-2655)	10	40290	25	#Max	QPSK	18.45	37	PASS
Band41(2555-2655)	10	40290	50	#0	QPSK	18.33	37	PASS
Band41(2555-2655)	10	40290	1	#0	QAM16	18.47	37	PASS
Band41(2555-2655)	10	40290	1	#Mid	QAM16	18.80	37	PASS
Band41(2555-2655)	10	40290	1	#Max	QAM16	18.25	37	PASS
Band41(2555-2655)	10	40290	25	#0	QAM16	17.48	37	PASS
Band41(2555-2655)	10	40290	25	#Max	QAM16	17.56	37	PASS
Band41(2555-2655)	10	40290	50	#0	QAM16	17.28	37	PASS
Band41(2555-2655)	10	40740	1	#0	QPSK	19.49	37	PASS
Band41(2555-2655)	10	40740	1	#Mid	QPSK	19.51	37	PASS
Band41(2555-2655)	10	40740	1	#Max	QPSK	19.38	37	PASS
Band41(2555-2655)	10	40740	25	#0	QPSK	18.56	37	PASS
Band41(2555-2655)	10	40740	25	#Max	QPSK	18.61	37	PASS
Band41(2555-2655)	10	40740	50	#0	QPSK	18.57	37	PASS
Band41(2555-2655)	10	40740	1	#0	QAM16	18.99	37	PASS
Band41(2555-2655)	10	40740	1	#Mid	QAM16	19.37	37	PASS
Band41(2555-2655)	10	40740	1	#Max	QAM16	19.06	37	PASS
Band41(2555-2655)	10	40740	25	#0	QAM16	17.38	37	PASS
Band41(2555-2655)	10	40740	25	#Max	QAM16	17.50	37	PASS
Band41(2555-2655)	10	40740	50	#0	QAM16	17.29	37	PASS
Band41(2555-2655)	10	41190	1	#0	QPSK	18.33	37	PASS
Band41(2555-2655)	10	41190	1	#Mid	QPSK	18.44	37	PASS
Band41(2555-2655)	10	41190	1	#Max	QPSK	18.31	37	PASS
Band41(2555-2655)	10	41190	25	#0	QPSK	17.59	37	PASS
Band41(2555-2655)	10	41190	25	#Max	QPSK	17.81	37	PASS
Band41(2555-2655)	10	41190	50	#0	QPSK	17.71	37	PASS
Band41(2555-2655)	10	41190	1	#0	QAM16	17.54	37	PASS
Band41(2555-2655)	10	41190	1	#Mid	QAM16	17.91	37	PASS
Band41(2555-2655)	10	41190	1	#Max	QAM16	17.68	37	PASS

Band41(2555-2655)	10	41190	25	#0	QAM16	16.65	37	PASS
Band41(2555-2655)	10	41190	25	#Max	QAM16	16.67	37	PASS
Band41(2555-2655)	10	41190	50	#0	QAM16	16.69	37	PASS
Band41(2555-2655)	15	40315	1	#0	QPSK	19.44	37	PASS
Band41(2555-2655)	15	40315	1	#Mid	QPSK	19.21	37	PASS
Band41(2555-2655)	15	40315	1	#Max	QPSK	19.11	37	PASS
Band41(2555-2655)	15	40315	36	#0	QPSK	18.44	37	PASS
Band41(2555-2655)	15	40315	36	#Max	QPSK	18.39	37	PASS
Band41(2555-2655)	15	40315	75	#0	QPSK	18.35	37	PASS
Band41(2555-2655)	15	40315	1	#0	QAM16	18.55	37	PASS
Band41(2555-2655)	15	40315	1	#Mid	QAM16	18.59	37	PASS
Band41(2555-2655)	15	40315	1	#Max	QAM16	18.13	37	PASS
Band41(2555-2655)	15	40315	36	#0	QAM16	17.36	37	PASS
Band41(2555-2655)	15	40315	36	#Max	QAM16	17.38	37	PASS
Band41(2555-2655)	15	40315	75	#0	QAM16	17.49	37	PASS
Band41(2555-2655)	15	40740	1	#0	QPSK	19.31	37	PASS
Band41(2555-2655)	15	40740	1	#Mid	QPSK	19.40	37	PASS
Band41(2555-2655)	15	40740	1	#Max	QPSK	19.23	37	PASS
Band41(2555-2655)	15	40740	36	#0	QPSK	18.61	37	PASS
Band41(2555-2655)	15	40740	36	#Max	QPSK	18.53	37	PASS
Band41(2555-2655)	15	40740	75	#0	QPSK	18.66	37	PASS
Band41(2555-2655)	15	40740	1	#0	QAM16	18.94	37	PASS
Band41(2555-2655)	15	40740	1	#Mid	QAM16	19.02	37	PASS
Band41(2555-2655)	15	40740	1	#Max	QAM16	18.98	37	PASS
Band41(2555-2655)	15	40740	36	#0	QAM16	17.33	37	PASS
Band41(2555-2655)	15	40740	36	#Max	QAM16	17.40	37	PASS
Band41(2555-2655)	15	40740	75	#0	QAM16	17.23	37	PASS
Band41(2555-2655)	15	41165	1	#0	QPSK	18.52	37	PASS
Band41(2555-2655)	15	41165	1	#Mid	QPSK	18.47	37	PASS
Band41(2555-2655)	15	41165	1	#Max	QPSK	18.17	37	PASS
Band41(2555-2655)	15	41165	36	#0	QPSK	17.66	37	PASS
Band41(2555-2655)	15	41165	36	#Max	QPSK	17.68	37	PASS
Band41(2555-2655)	15	41165	75	#0	QPSK	17.55	37	PASS
Band41(2555-2655)	15	41165	1	#0	QAM16	17.66	37	PASS
Band41(2555-2655)	15	41165	1	#Mid	QAM16	17.38	37	PASS
Band41(2555-2655)	15	41165	1	#Max	QAM16	17.45	37	PASS
Band41(2555-2655)	15	41165	36	#0	QAM16	16.63	37	PASS
Band41(2555-2655)	15	41165	36	#Max	QAM16	16.40	37	PASS
Band41(2555-2655)	15	41165	75	#0	QAM16	16.55	37	PASS
Band41(2555-2655)	20	40340	1	#0	QPSK	19.11	37	PASS
Band41(2555-2655)	20	40340	1	#Mid	QPSK	19.05	37	PASS
Band41(2555-2655)	20	40340	1	#Max	QPSK	18.79	37	PASS
Band41(2555-2655)	20	40340	50	#0	QPSK	18.30	37	PASS
Band41(2555-2655)	20	40340	50	#Max	QPSK	18.25	37	PASS
Band41(2555-2655)	20	40340	100	#0	QPSK	18.17	37	PASS
Band41(2555-2655)	20	40340	1	#0	QAM16	18.74	37	PASS
Band41(2555-2655)	20	40340	1	#Mid	QAM16	18.78	37	PASS
Band41(2555-2655)	20	40340	1	#Max	QAM16	18.27	37	PASS
Band41(2555-2655)	20	40340	50	#0	QAM16	17.39	37	PASS
Band41(2555-2655)	20	40340	50	#Max	QAM16	17.33	37	PASS
Band41(2555-2655)	20	40340	100	#0	QAM16	17.29	37	PASS
Band41(2555-2655)	20	40740	1	#0	QPSK	19.22	37	PASS
Band41(2555-2655)	20	40740	1	#Mid	QPSK	19.45	37	PASS
Band41(2555-2655)	20	40740	1	#Max	QPSK	19.08	37	PASS
Band41(2555-2655)	20	40740	50	#0	QPSK	18.62	37	PASS
Band41(2555-2655)	20	40740	50	#Max	QPSK	18.48	37	PASS
Band41(2555-2655)	20	40740	100	#0	QPSK	18.44	37	PASS
Band41(2555-2655)	20	40740	1	#0	QAM16	18.15	37	PASS
Band41(2555-2655)	20	40740	1	#Mid	QAM16	18.48	37	PASS
Band41(2555-2655)	20	40740	1	#Max	QAM16	18.05	37	PASS
Band41(2555-2655)	20	40740	50	#0	QAM16	17.62	37	PASS
Band41(2555-2655)	20	40740	50	#Max	QAM16	17.47	37	PASS
Band41(2555-2655)	20	40740	100	#0	QAM16	17.56	37	PASS
Band41(2555-2655)	20	41140	1	#0	QPSK	18.68	37	PASS
Band41(2555-2655)	20	41140	1	#Mid	QPSK	18.84	37	PASS
Band41(2555-2655)	20	41140	1	#Max	QPSK	18.11	37	PASS
Band41(2555-2655)	20	41140	50	#0	QPSK	17.82	37	PASS
Band41(2555-2655)	20	41140	50	#Max	QPSK	17.66	37	PASS
Band41(2555-2655)	20	41140	100	#0	QPSK	17.86	37	PASS
Band41(2555-2655)	20	41140	1	#0	QAM16	18.16	37	PASS
Band41(2555-2655)	20	41140	1	#Mid	QAM16	18.23	37	PASS
Band41(2555-2655)	20	41140	1	#Max	QAM16	18.02	37	PASS
Band41(2555-2655)	20	41140	50	#0	QAM16	17.00	37	PASS

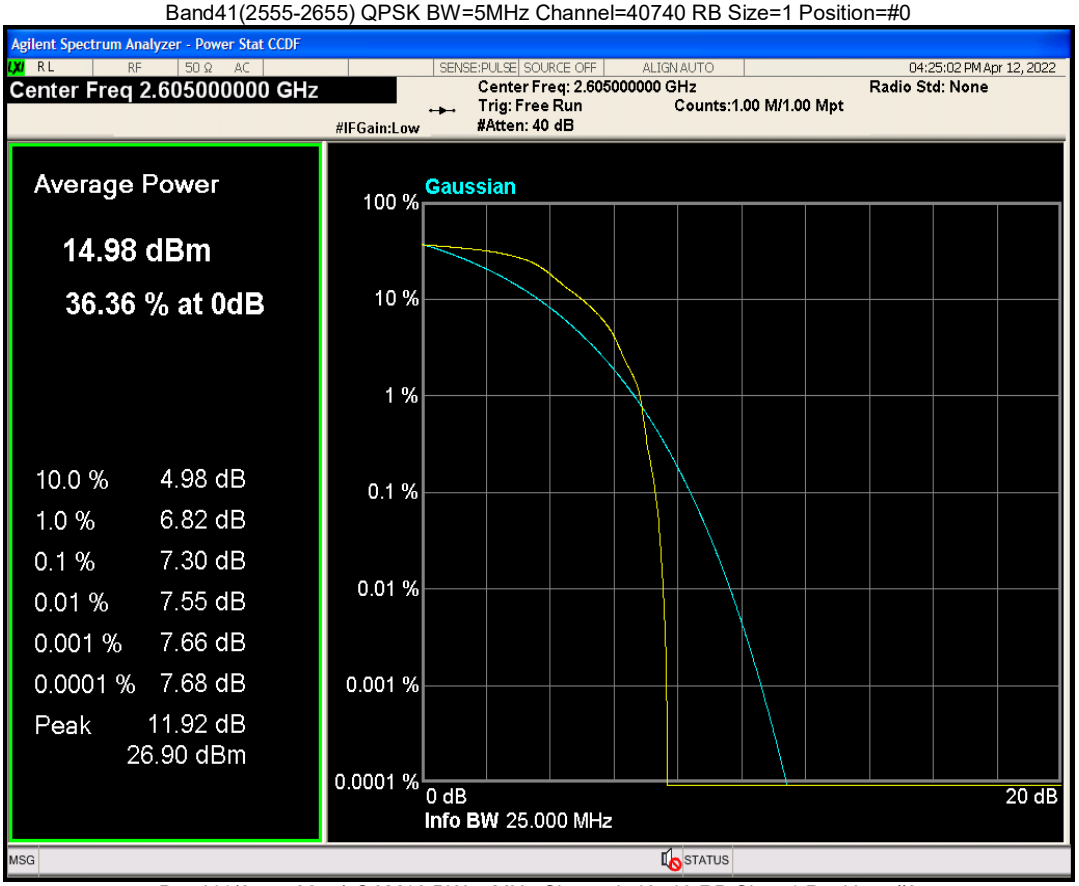
Band41(2555-2655)	20	41140	50	#Max	QAM16	16.65	37	PASS
Band41(2555-2655)	20	41140	100	#0	QAM16	16.84	37	PASS
Band5	1.4	20407	1	#0	QPSK	17.00	37	PASS
Band5	1.4	20407	1	#Mid	QPSK	17.04	37	PASS
Band5	1.4	20407	1	#Max	QPSK	17.09	37	PASS
Band5	1.4	20407	3	#0	QPSK	16.86	37	PASS
Band5	1.4	20407	3	#Max	QPSK	16.91	37	PASS
Band5	1.4	20407	6	#0	QPSK	15.86	37	PASS
Band5	1.4	20407	1	#0	QAM16	16.34	37	PASS
Band5	1.4	20407	1	#Mid	QAM16	16.37	37	PASS
Band5	1.4	20407	1	#Max	QAM16	16.17	37	PASS
Band5	1.4	20407	3	#0	QAM16	15.96	37	PASS
Band5	1.4	20407	3	#Max	QAM16	16.04	37	PASS
Band5	1.4	20407	6	#0	QAM16	14.94	37	PASS
Band5	1.4	20525	1	#0	QPSK	17.02	37	PASS
Band5	1.4	20525	1	#Mid	QPSK	16.99	37	PASS
Band5	1.4	20525	1	#Max	QPSK	16.75	37	PASS
Band5	1.4	20525	3	#0	QPSK	16.89	37	PASS
Band5	1.4	20525	3	#Max	QPSK	16.71	37	PASS
Band5	1.4	20525	6	#0	QPSK	15.81	37	PASS
Band5	1.4	20525	1	#0	QAM16	16.37	37	PASS
Band5	1.4	20525	1	#Mid	QAM16	16.30	37	PASS
Band5	1.4	20525	1	#Max	QAM16	16.13	37	PASS
Band5	1.4	20525	3	#0	QAM16	15.90	37	PASS
Band5	1.4	20525	3	#Max	QAM16	15.76	37	PASS
Band5	1.4	20525	6	#0	QAM16	14.70	37	PASS
Band5	1.4	20643	1	#0	QPSK	16.78	37	PASS
Band5	1.4	20643	1	#Mid	QPSK	16.86	37	PASS
Band5	1.4	20643	1	#Max	QPSK	16.68	37	PASS
Band5	1.4	20643	3	#0	QPSK	16.89	37	PASS
Band5	1.4	20643	3	#Max	QPSK	16.73	37	PASS
Band5	1.4	20643	6	#0	QPSK	15.92	37	PASS
Band5	1.4	20643	1	#0	QAM16	15.80	37	PASS
Band5	1.4	20643	1	#Mid	QAM16	15.58	37	PASS
Band5	1.4	20643	1	#Max	QAM16	15.39	37	PASS
Band5	1.4	20643	3	#0	QAM16	15.76	37	PASS
Band5	1.4	20643	3	#Max	QAM16	15.78	37	PASS
Band5	1.4	20643	6	#0	QAM16	14.94	37	PASS
Band5	3	20415	1	#0	QPSK	16.99	37	PASS
Band5	3	20415	1	#Mid	QPSK	17.07	37	PASS
Band5	3	20415	1	#Max	QPSK	17.11	37	PASS
Band5	3	20415	8	#0	QPSK	16.01	37	PASS
Band5	3	20415	8	#Max	QPSK	16.07	37	PASS
Band5	3	20415	15	#0	QPSK	16.03	37	PASS
Band5	3	20415	1	#0	QAM16	15.90	37	PASS
Band5	3	20415	1	#Mid	QAM16	15.88	37	PASS
Band5	3	20415	1	#Max	QAM16	15.92	37	PASS
Band5	3	20415	8	#0	QAM16	14.85	37	PASS
Band5	3	20415	8	#Max	QAM16	14.85	37	PASS
Band5	3	20415	15	#0	QAM16	14.76	37	PASS
Band5	3	20525	1	#0	QPSK	16.95	37	PASS
Band5	3	20525	1	#Mid	QPSK	16.59	37	PASS
Band5	3	20525	1	#Max	QPSK	16.71	37	PASS
Band5	3	20525	8	#0	QPSK	15.97	37	PASS
Band5	3	20525	8	#Max	QPSK	15.74	37	PASS
Band5	3	20525	15	#0	QPSK	15.81	37	PASS
Band5	3	20525	1	#0	QAM16	16.31	37	PASS
Band5	3	20525	1	#Mid	QAM16	16.26	37	PASS
Band5	3	20525	1	#Max	QAM16	16.13	37	PASS
Band5	3	20525	8	#0	QAM16	14.96	37	PASS
Band5	3	20525	8	#Max	QAM16	14.59	37	PASS
Band5	3	20525	15	#0	QAM16	14.96	37	PASS
Band5	3	20635	1	#0	QPSK	16.76	37	PASS
Band5	3	20635	1	#Mid	QPSK	17.02	37	PASS
Band5	3	20635	1	#Max	QPSK	16.61	37	PASS
Band5	3	20635	8	#0	QPSK	15.98	37	PASS
Band5	3	20635	8	#Max	QPSK	15.87	37	PASS
Band5	3	20635	15	#0	QPSK	15.86	37	PASS
Band5	3	20635	1	#0	QAM16	15.64	37	PASS
Band5	3	20635	1	#Mid	QAM16	15.70	37	PASS
Band5	3	20635	1	#Max	QAM16	15.27	37	PASS
Band5	3	20635	8	#0	QAM16	14.81	37	PASS
Band5	3	20635	8	#Max	QAM16	14.71	37	PASS

Band5	3	20635	15	#0	QAM16	14.70	37	PASS
Band5	5	20425	1	#0	QPSK	16.89	37	PASS
Band5	5	20425	1	#Mid	QPSK	16.85	37	PASS
Band5	5	20425	1	#Max	QPSK	17.12	37	PASS
Band5	5	20425	12	#0	QPSK	15.91	37	PASS
Band5	5	20425	12	#Max	QPSK	16.08	37	PASS
Band5	5	20425	25	#0	QPSK	15.94	37	PASS
Band5	5	20425	1	#0	QAM16	15.85	37	PASS
Band5	5	20425	1	#Mid	QAM16	15.68	37	PASS
Band5	5	20425	1	#Max	QAM16	15.86	37	PASS
Band5	5	20425	12	#0	QAM16	14.72	37	PASS
Band5	5	20425	12	#Max	QAM16	15.07	37	PASS
Band5	5	20425	25	#0	QAM16	14.89	37	PASS
Band5	5	20525	1	#0	QPSK	17.04	37	PASS
Band5	5	20525	1	#Mid	QPSK	16.52	37	PASS
Band5	5	20525	1	#Max	QPSK	16.36	37	PASS
Band5	5	20525	12	#0	QPSK	15.92	37	PASS
Band5	5	20525	12	#Max	QPSK	15.70	37	PASS
Band5	5	20525	25	#0	QPSK	15.79	37	PASS
Band5	5	20525	1	#0	QAM16	16.08	37	PASS
Band5	5	20525	1	#Mid	QAM16	15.35	37	PASS
Band5	5	20525	1	#Max	QAM16	15.74	37	PASS
Band5	5	20525	12	#0	QAM16	14.68	37	PASS
Band5	5	20525	12	#Max	QAM16	14.31	37	PASS
Band5	5	20525	25	#0	QAM16	14.43	37	PASS
Band5	5	20625	1	#0	QPSK	16.55	37	PASS
Band5	5	20625	1	#Mid	QPSK	16.92	37	PASS
Band5	5	20625	1	#Max	QPSK	16.64	37	PASS
Band5	5	20625	12	#0	QPSK	15.72	37	PASS
Band5	5	20625	12	#Max	QPSK	15.74	37	PASS
Band5	5	20625	25	#0	QPSK	15.80	37	PASS
Band5	5	20625	1	#0	QAM16	15.77	37	PASS
Band5	5	20625	1	#Mid	QAM16	16.36	37	PASS
Band5	5	20625	1	#Max	QAM16	16.25	37	PASS
Band5	5	20625	12	#0	QAM16	14.53	37	PASS
Band5	5	20625	12	#Max	QAM16	14.62	37	PASS
Band5	5	20625	25	#0	QAM16	14.63	37	PASS
Band5	10	20450	1	#0	QPSK	16.85	37	PASS
Band5	10	20450	1	#Mid	QPSK	17.05	37	PASS
Band5	10	20450	1	#Max	QPSK	16.96	37	PASS
Band5	10	20450	25	#0	QPSK	16.00	37	PASS
Band5	10	20450	25	#Max	QPSK	16.17	37	PASS
Band5	10	20450	50	#0	QPSK	16.12	37	PASS
Band5	10	20450	1	#0	QAM16	15.96	37	PASS
Band5	10	20450	1	#Mid	QAM16	16.81	37	PASS
Band5	10	20450	1	#Max	QAM16	15.99	37	PASS
Band5	10	20450	25	#0	QAM16	15.00	37	PASS
Band5	10	20450	25	#Max	QAM16	15.15	37	PASS
Band5	10	20450	50	#0	QAM16	15.06	37	PASS
Band5	10	20525	1	#0	QPSK	17.24	37	PASS
Band5	10	20525	1	#Mid	QPSK	16.99	37	PASS
Band5	10	20525	1	#Max	QPSK	16.85	37	PASS
Band5	10	20525	25	#0	QPSK	16.12	37	PASS
Band5	10	20525	25	#Max	QPSK	15.80	37	PASS
Band5	10	20525	50	#0	QPSK	15.90	37	PASS
Band5	10	20525	1	#0	QAM16	16.71	37	PASS
Band5	10	20525	1	#Mid	QAM16	16.52	37	PASS
Band5	10	20525	1	#Max	QAM16	16.35	37	PASS
Band5	10	20525	25	#0	QAM16	15.23	37	PASS
Band5	10	20525	25	#Max	QAM16	14.58	37	PASS
Band5	10	20525	50	#0	QAM16	14.87	37	PASS
Band5	10	20600	1	#0	QPSK	16.83	37	PASS
Band5	10	20600	1	#Mid	QPSK	17.13	37	PASS
Band5	10	20600	1	#Max	QPSK	17.11	37	PASS
Band5	10	20600	25	#0	QPSK	15.60	37	PASS
Band5	10	20600	25	#Max	QPSK	15.93	37	PASS
Band5	10	20600	50	#0	QPSK	15.83	37	PASS
Band5	10	20600	1	#0	QAM16	15.40	37	PASS
Band5	10	20600	1	#Mid	QAM16	16.19	37	PASS
Band5	10	20600	1	#Max	QAM16	15.85	37	PASS
Band5	10	20600	25	#0	QAM16	14.62	37	PASS
Band5	10	20600	25	#Max	QAM16	15.02	37	PASS
Band5	10	20600	50	#0	QAM16	14.55	37	PASS

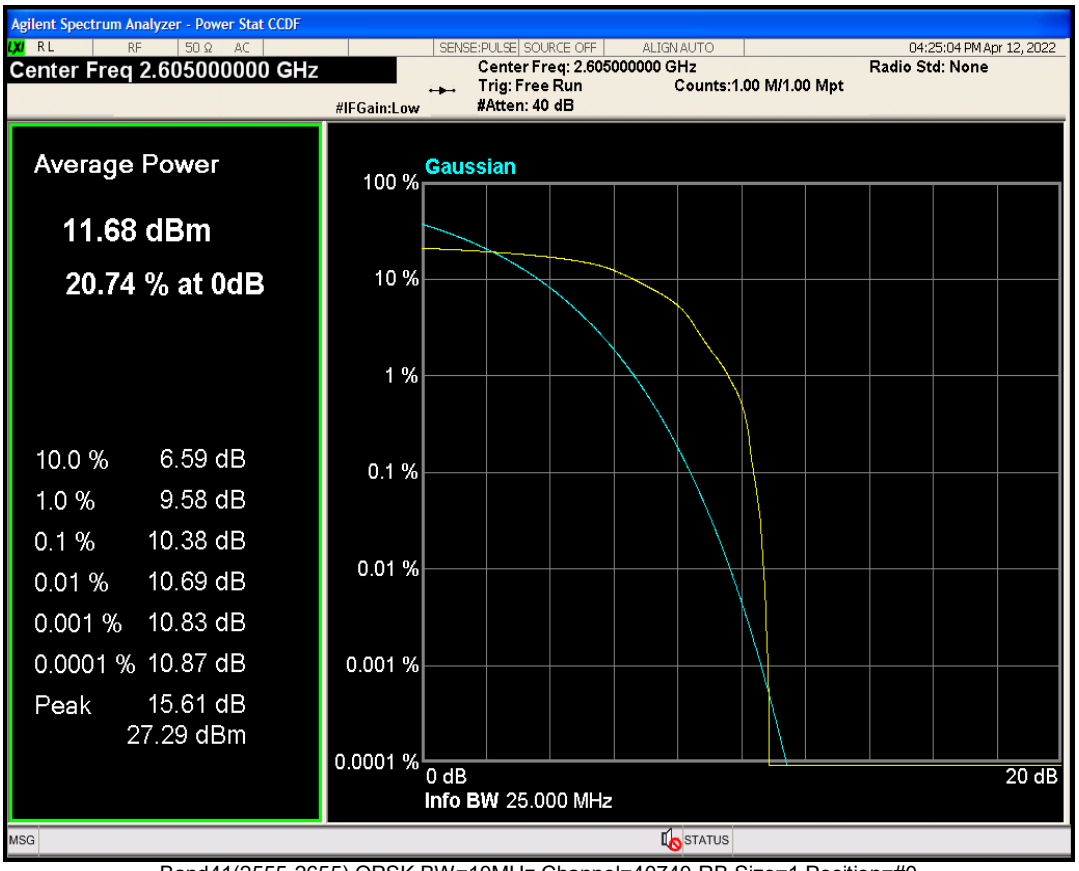
Appendix B: Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41(2555-2655)	5	40740	1	#0	QPSK	7.30	13	PASS
Band41(2555-2655)	5	40740	1	#0	QAM16	10.38	13	PASS
Band41(2555-2655)	10	40740	1	#0	QPSK	6.87	13	PASS
Band41(2555-2655)	10	40740	1	#0	QAM16	9.85	13	PASS
Band41(2555-2655)	15	40740	1	#0	QPSK	8.26	13	PASS
Band41(2555-2655)	15	40740	1	#0	QAM16	10.04	13	PASS
Band41(2555-2655)	20	40740	1	#0	QPSK	8.56	13	PASS
Band41(2555-2655)	20	40740	1	#0	QAM16	7.41	13	PASS
Band5	1.4	20525	1	#0	QPSK	4.67	13	PASS
Band5	1.4	20525	1	#0	QAM16	5.64	13	PASS
Band5	3	20525	1	#0	QPSK	4.72	13	PASS
Band5	3	20525	1	#0	QAM16	5.50	13	PASS
Band5	5	20525	1	#0	QPSK	4.68	13	PASS
Band5	5	20525	1	#0	QAM16	5.70	13	PASS
Band5	10	20525	1	#0	QPSK	4.50	13	PASS
Band5	10	20525	1	#0	QAM16	5.39	13	PASS

Band41(2555-2655) QPSK BW=5MHz Channel=40740 RB Size=1 Position=#0



Band41(2555-2655) QAM16 BW=5MHz Channel=40740 RB Size=1 Position=#0



Band41(2555-2655) QPSK BW=10MHz Channel=40740 RB Size=1 Position=#0

Band41(2555-2655) QAM16 BW=10MHz Channel=40740 RB Size=1 Position=#0

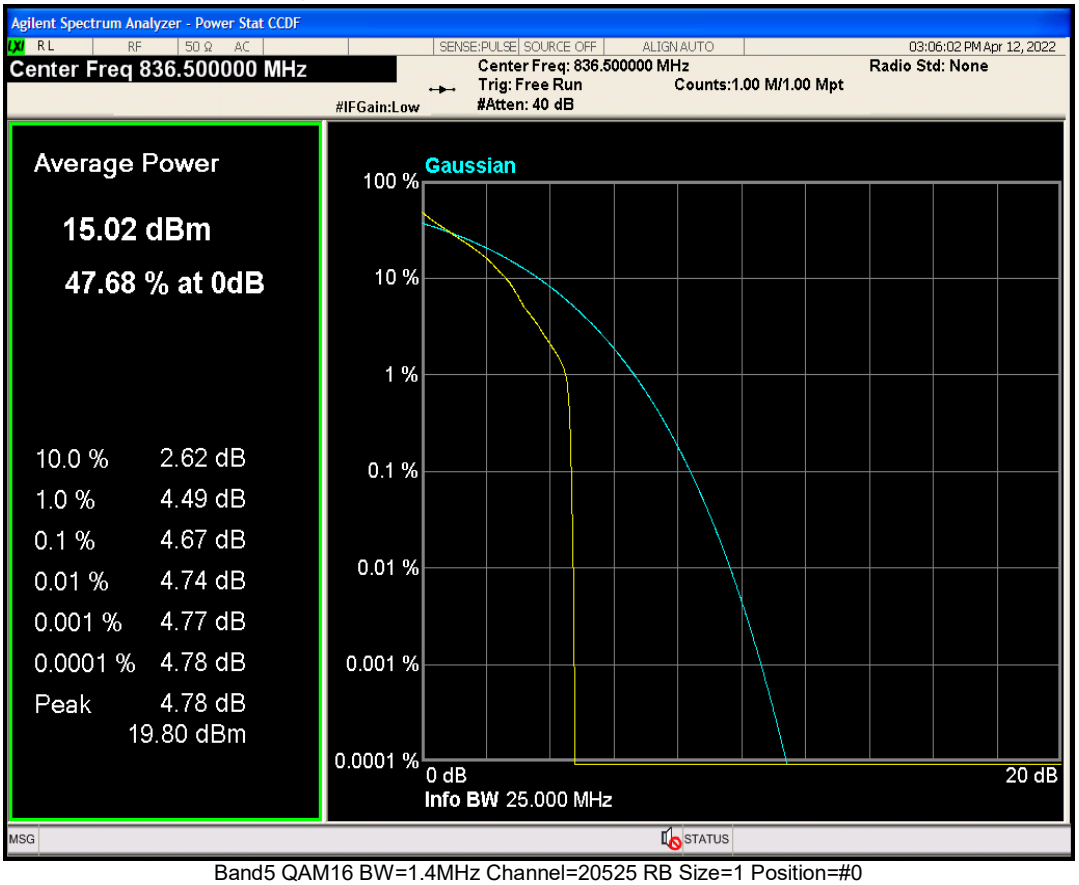
Band41(2555-2655) QPSK BW=15MHz Channel=40740 RB Size=1 Position=#0

Band41(2555-2655) QAM16 BW=15MHz Channel=40740 RB Size=1 Position=#0

Band41(2555-2655) QPSK BW=20MHz Channel=40740 RB Size=1 Position=#0

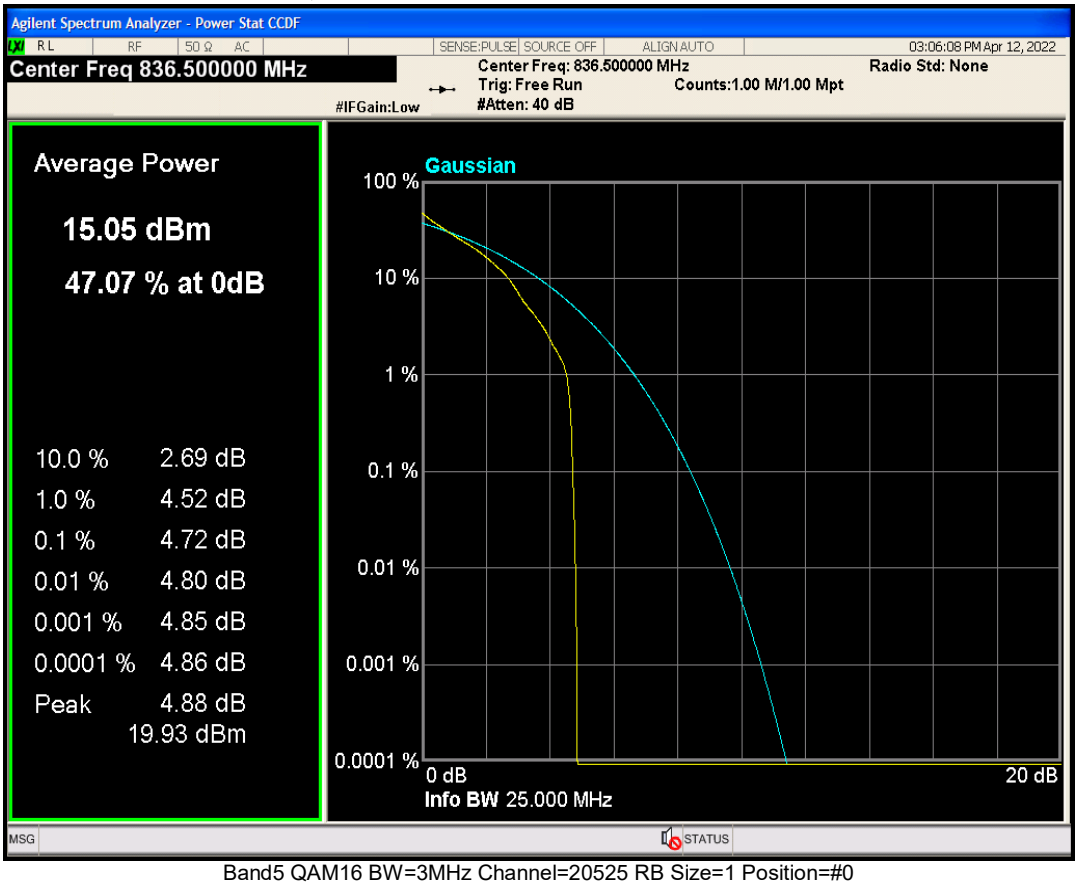
Band41(2555-2655) QAM16 BW=20MHz Channel=40740 RB Size=1 Position=#0

Band5 QPSK BW=1.4MHz Channel=20525 RB Size=1 Position=#0



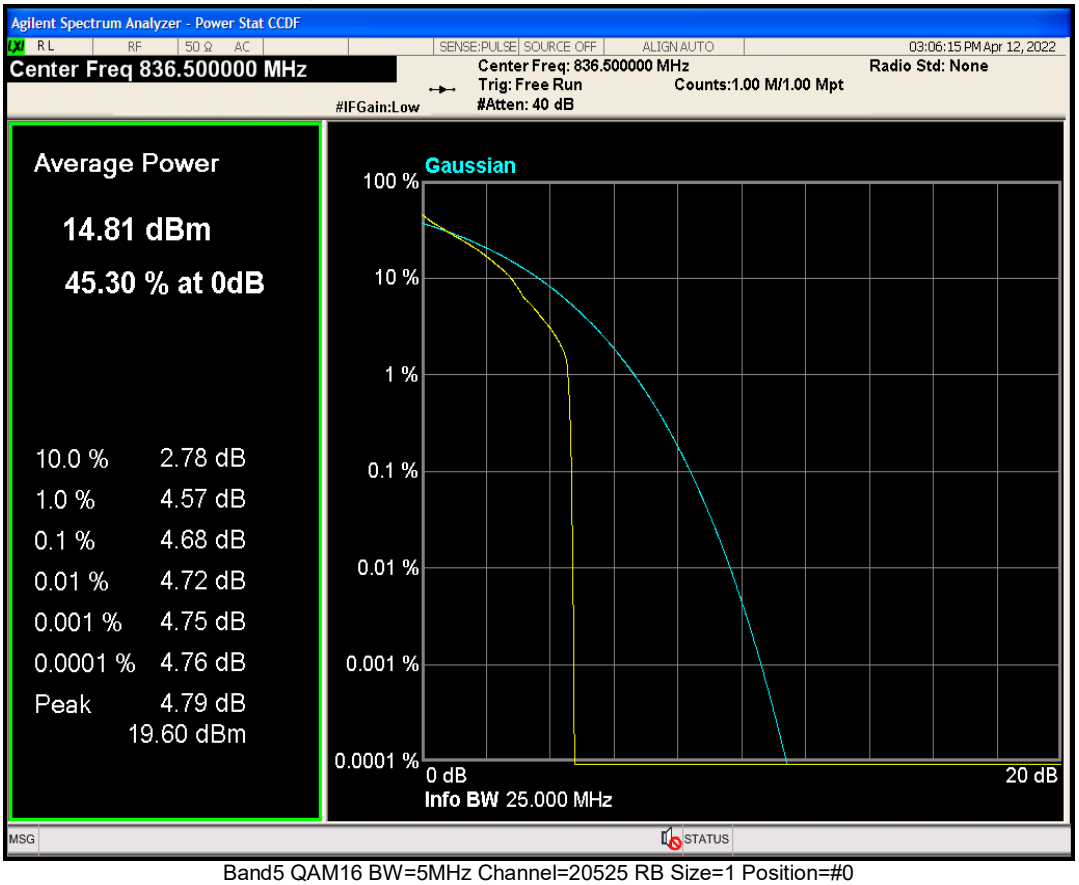
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=1 Position=#0

Band5 QPSK BW=3MHz Channel=20525 RB Size=1 Position=#0



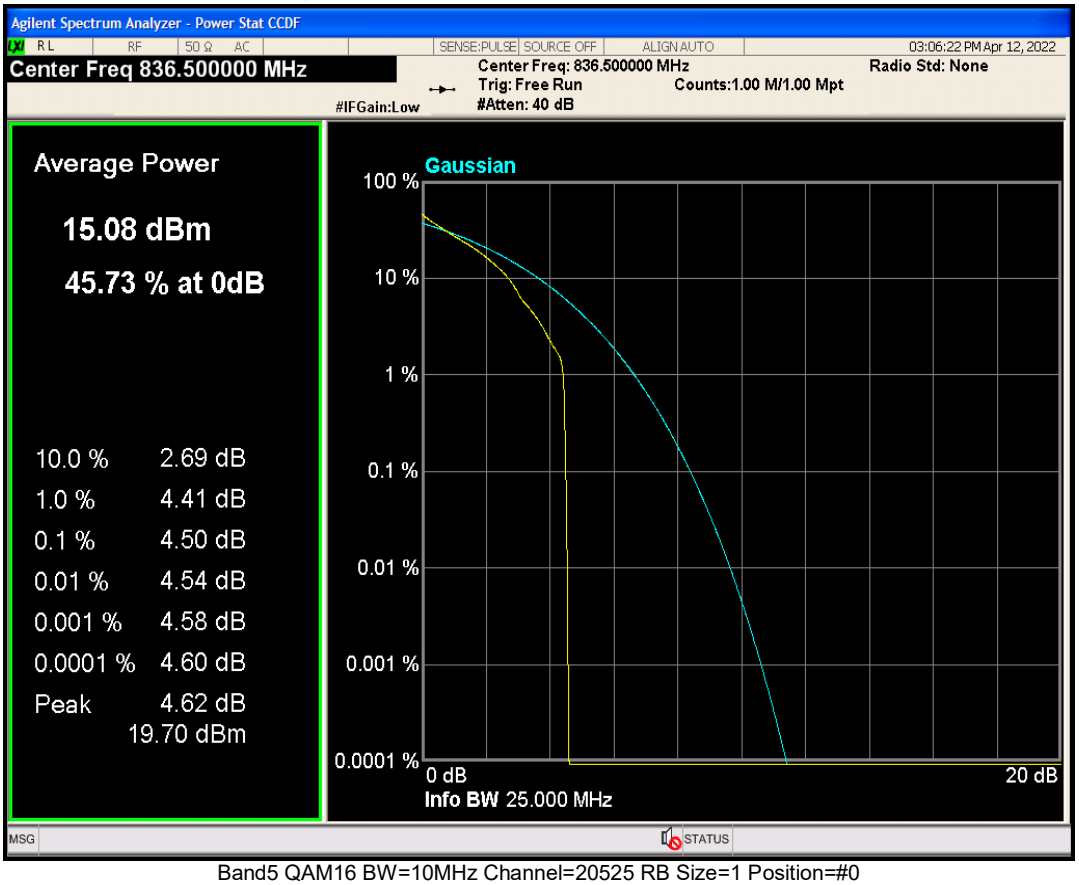
Band5 QAM16 BW=3MHz Channel=20525 RB Size=1 Position=#0

Band5 QPSK BW=5MHz Channel=20525 RB Size=1 Position=#0

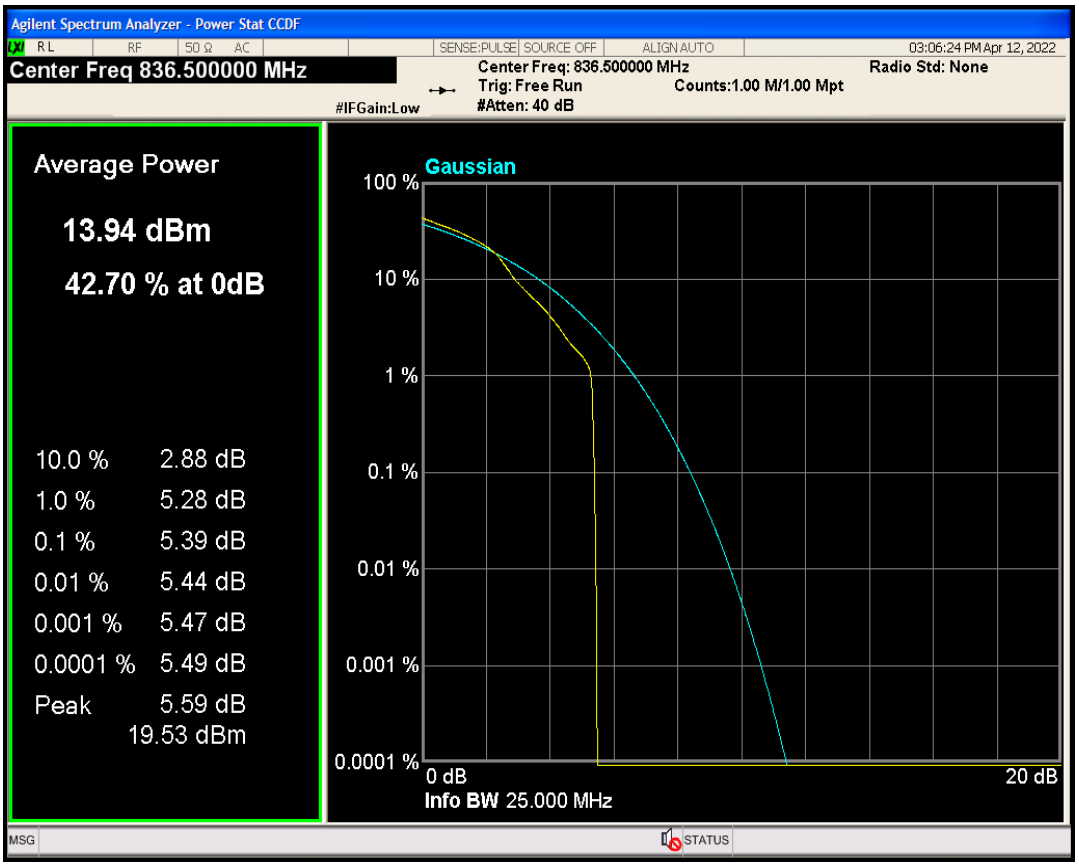


Band5 QAM16 BW=5MHz Channel=20525 RB Size=1 Position=#0

Band5 QPSK BW=10MHz Channel=20525 RB Size=1 Position=#0



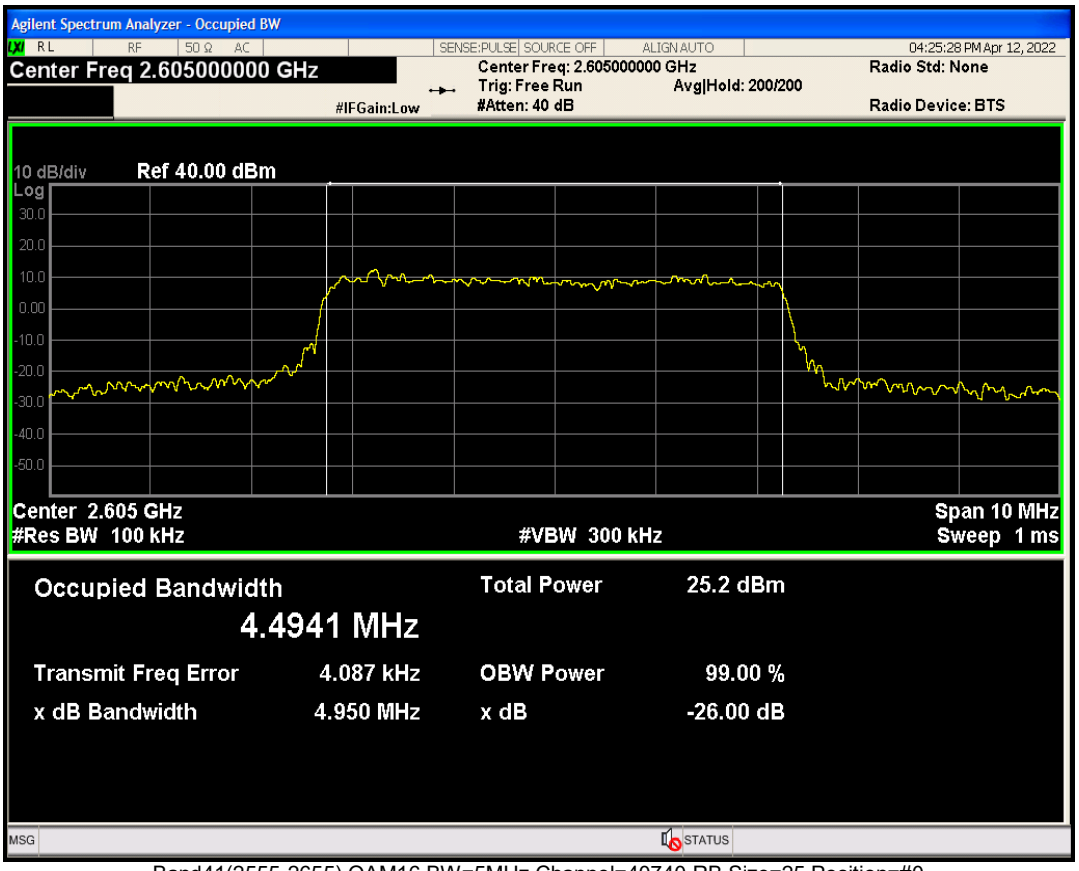
Band5 QAM16 BW=10MHz Channel=20525 RB Size=1 Position=#0



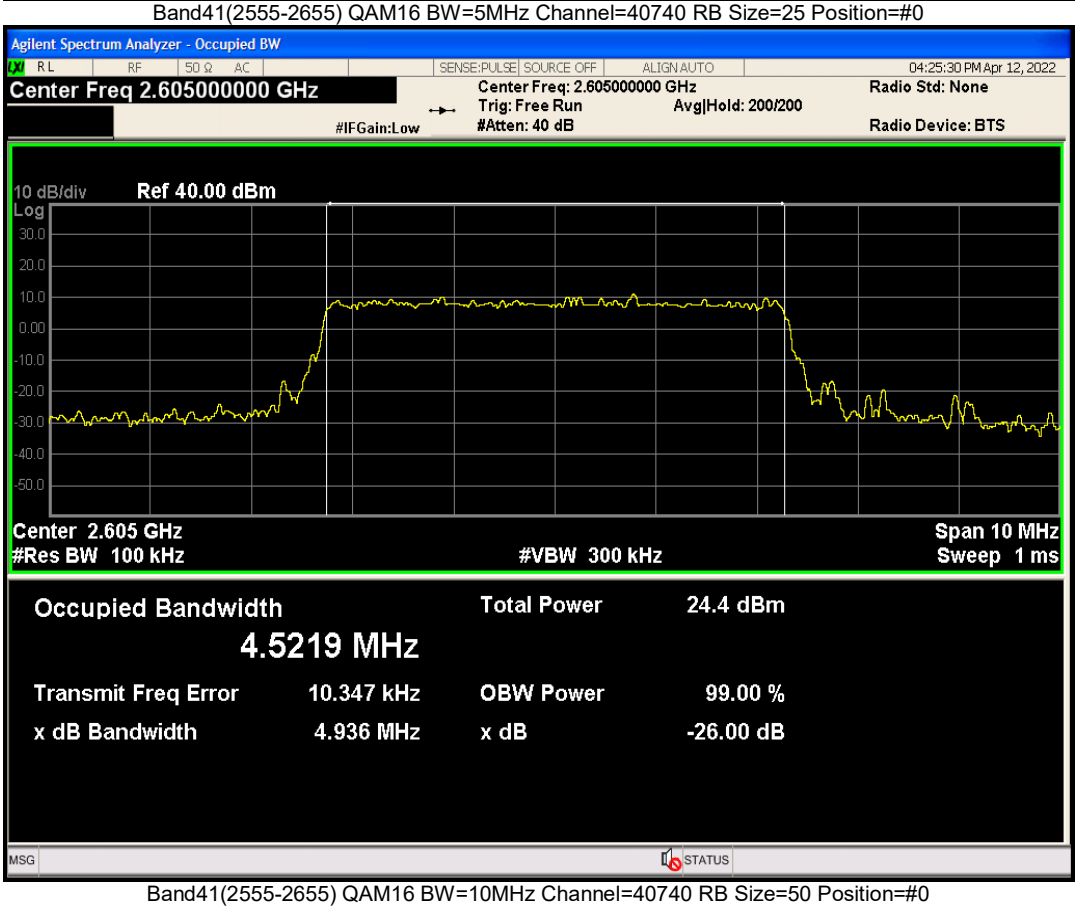
Appendix C: 26dB Bandwidth and Occupied Bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41(2555-2655)	5	40740	25	#0	QPSK	4.494	4.950	PASS
Band41(2555-2655)	5	40740	25	#0	QAM16	4.522	4.936	PASS
Band41(2555-2655)	10	40740	50	#0	QPSK	9.002	9.986	PASS
Band41(2555-2655)	10	40740	50	#0	QAM16	8.964	9.795	PASS
Band41(2555-2655)	15	40740	75	#0	QPSK	13.463	14.362	PASS
Band41(2555-2655)	15	40740	75	#0	QAM16	13.432	15.294	PASS
Band41(2555-2655)	20	40740	100	#0	QPSK	17.950	20.134	PASS
Band41(2555-2655)	20	40740	100	#0	QAM16	17.941	19.434	PASS
Band5	1.4	20525	6	#0	QPSK	1.097	1.289	PASS
Band5	1.4	20525	6	#0	QAM16	1.098	1.299	PASS
Band5	3	20525	15	#0	QPSK	2.706	2.997	PASS
Band5	3	20525	15	#0	QAM16	2.699	2.991	PASS
Band5	5	20525	25	#0	QPSK	4.518	4.956	PASS
Band5	5	20525	25	#0	QAM16	4.512	4.982	PASS
Band5	10	20525	50	#0	QPSK	9.017	9.931	PASS
Band5	10	20525	50	#0	QAM16	8.988	9.779	PASS

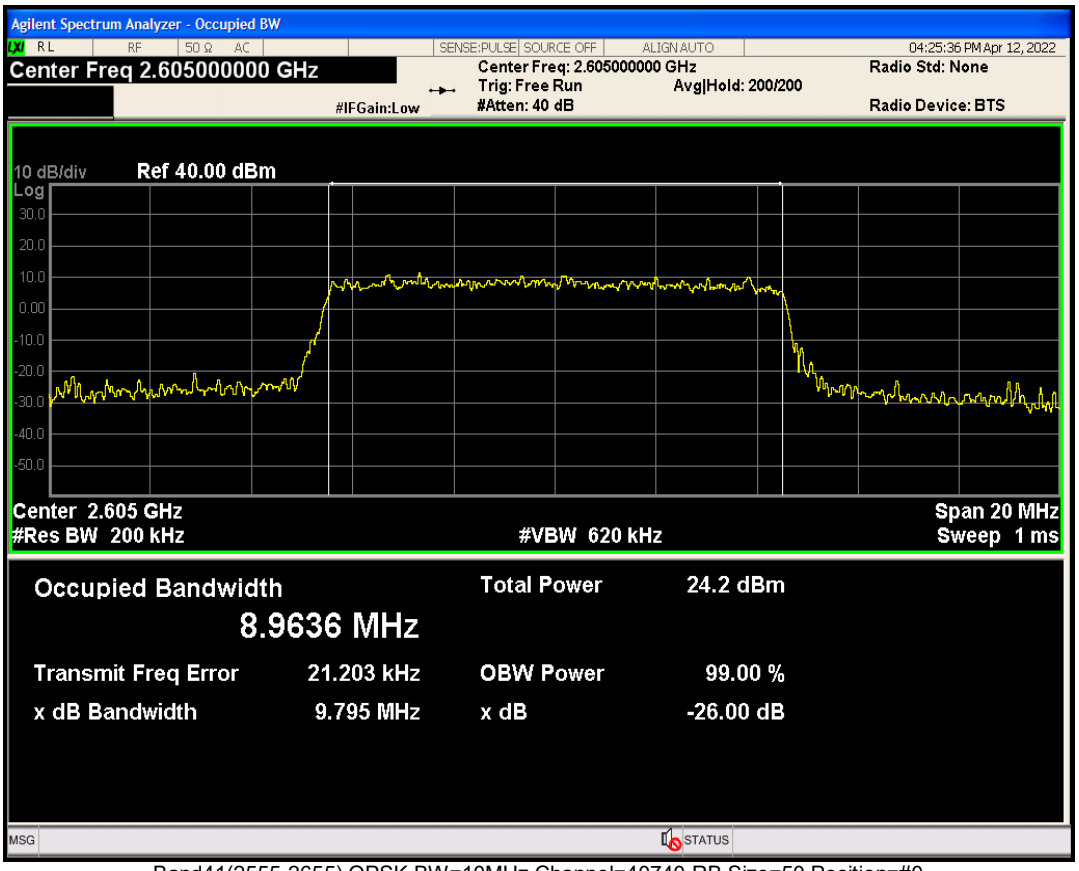
Band41(2555-2655) QPSK BW=5MHz Channel=40740 RB Size=25 Position=#0



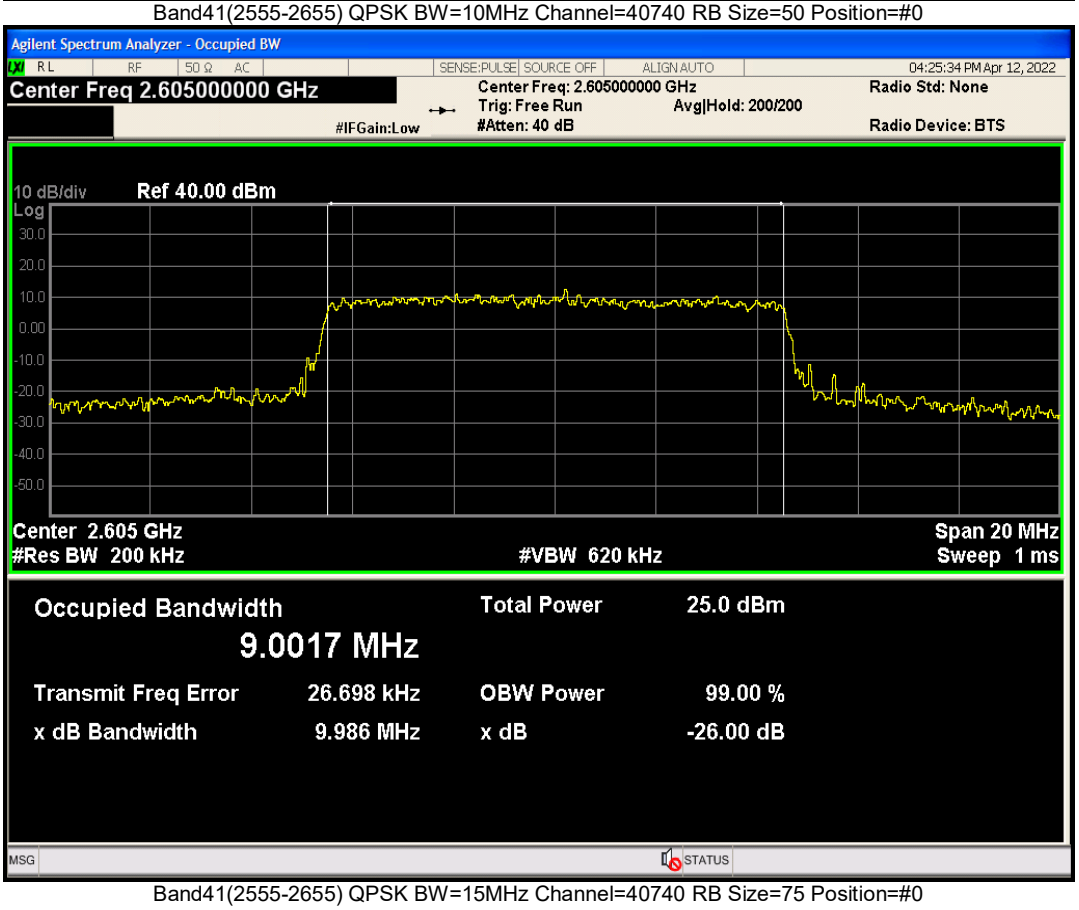
Band41(2555-2655) QAM16 BW=5MHz Channel=40740 RB Size=25 Position=#0



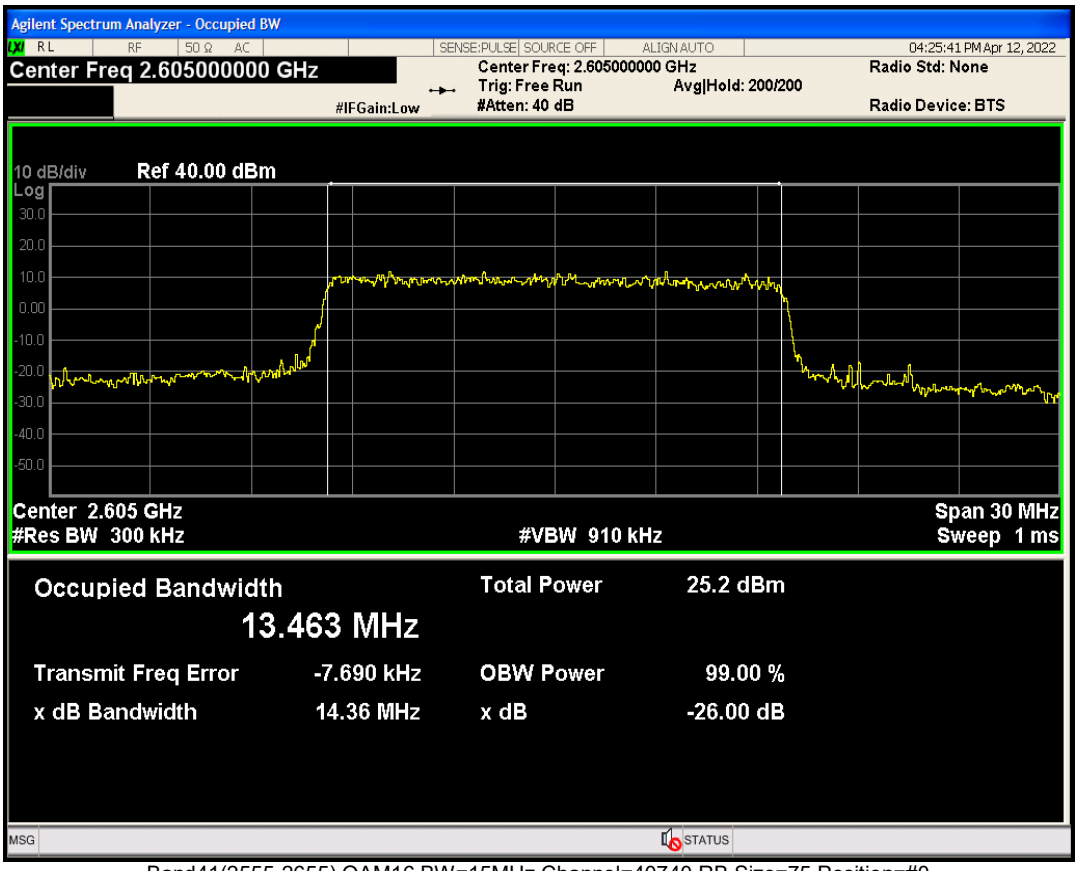
Band41(2555-2655) QAM16 BW=10MHz Channel=40740 RB Size=50 Position=#0



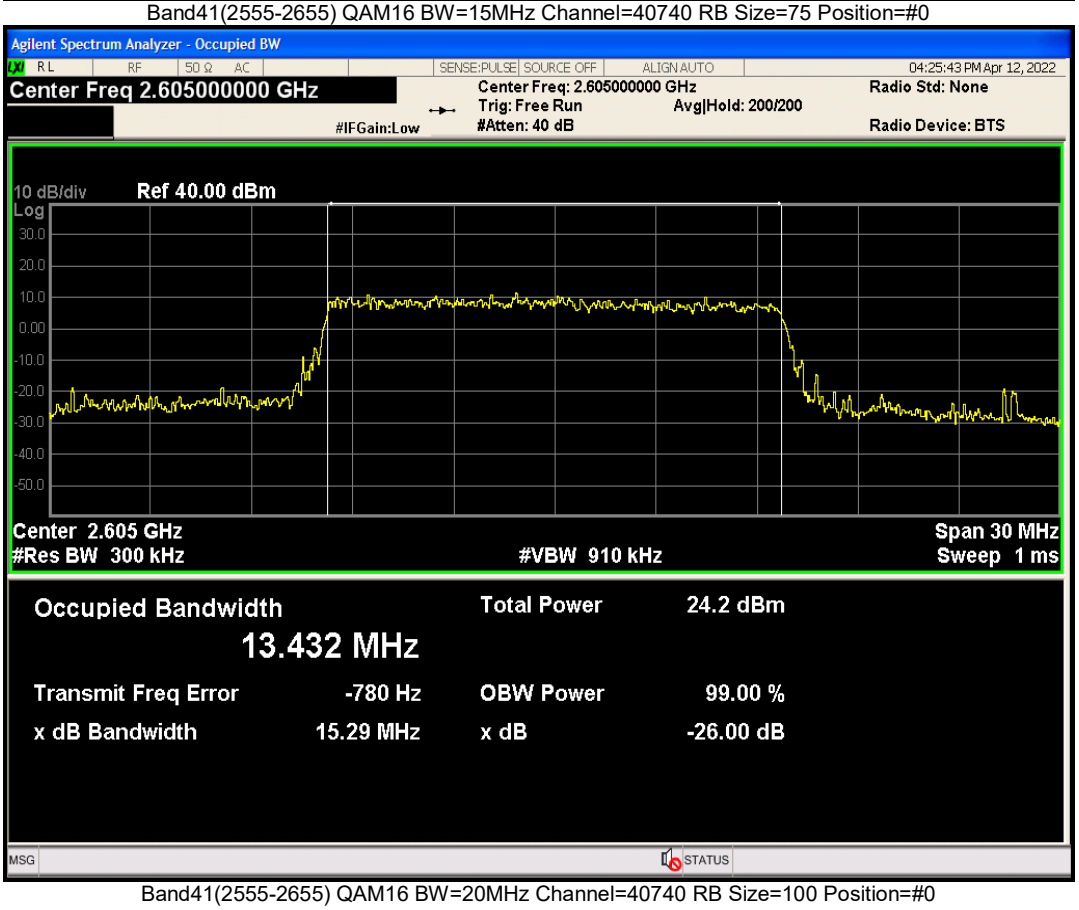
Band41(2555-2655) QPSK BW=10MHz Channel=40740 RB Size=50 Position=#0



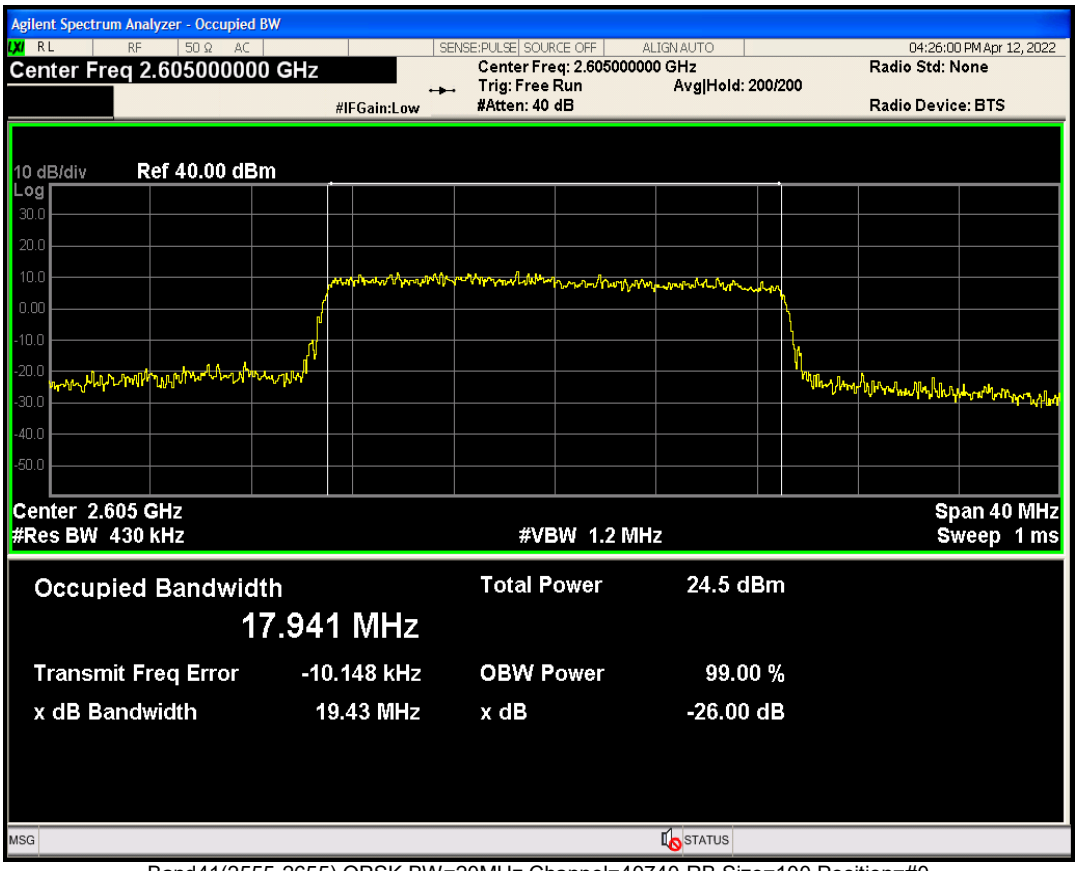
Band41(2555-2655) QPSK BW=15MHz Channel=40740 RB Size=75 Position=#0



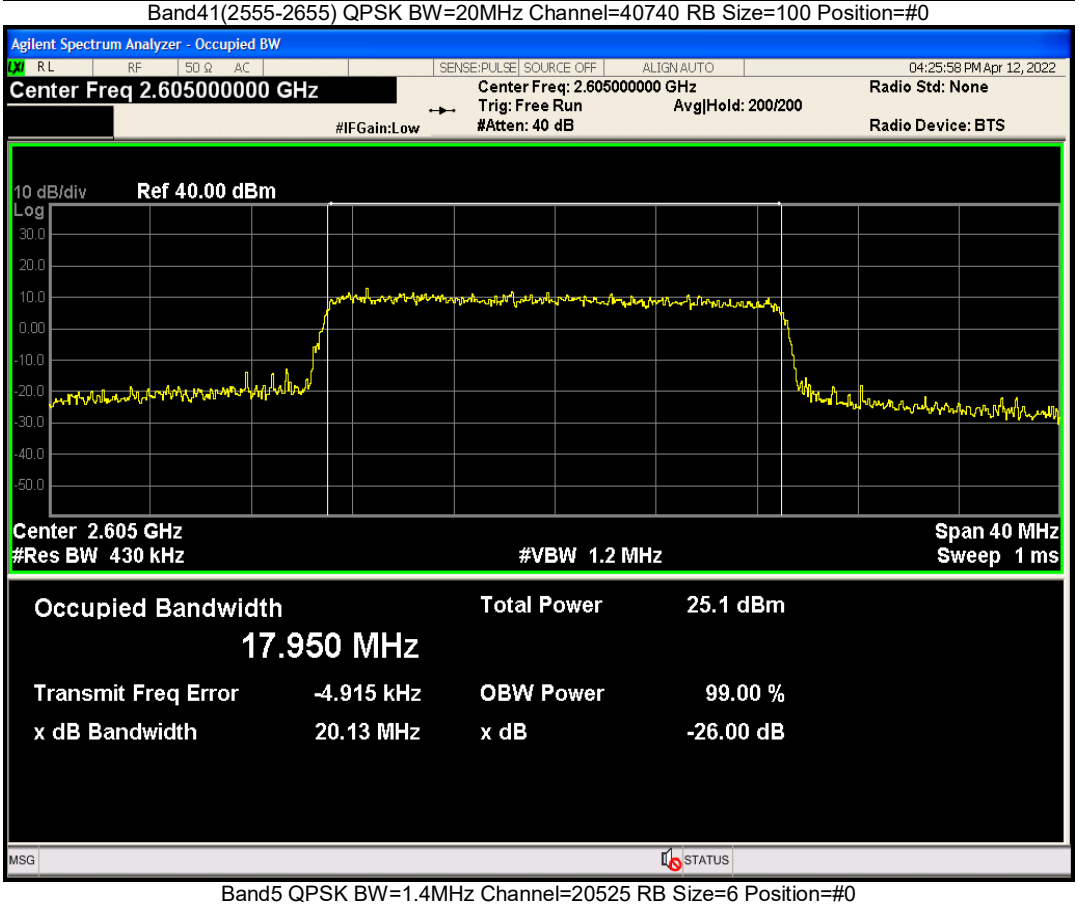
Band41(2555-2655) QAM16 BW=15MHz Channel=40740 RB Size=75 Position=#0



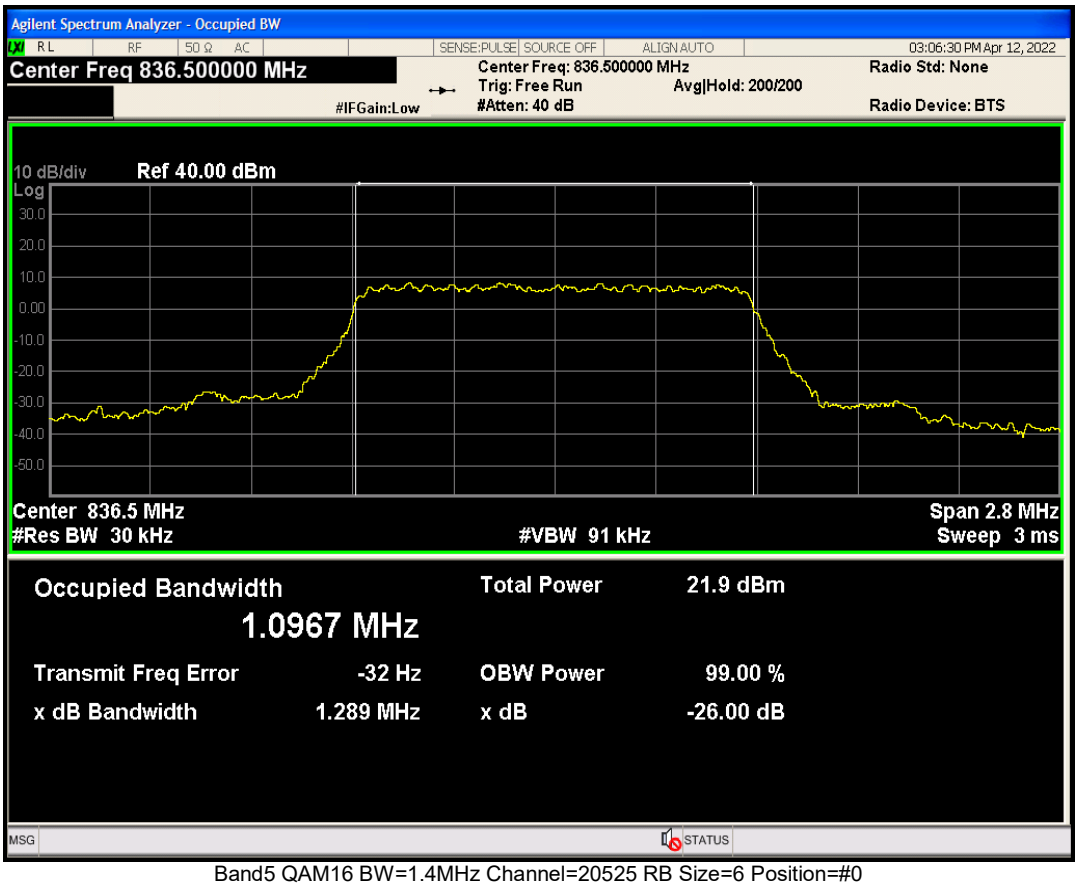
Band41(2555-2655) QAM16 BW=20MHz Channel=40740 RB Size=100 Position=#0



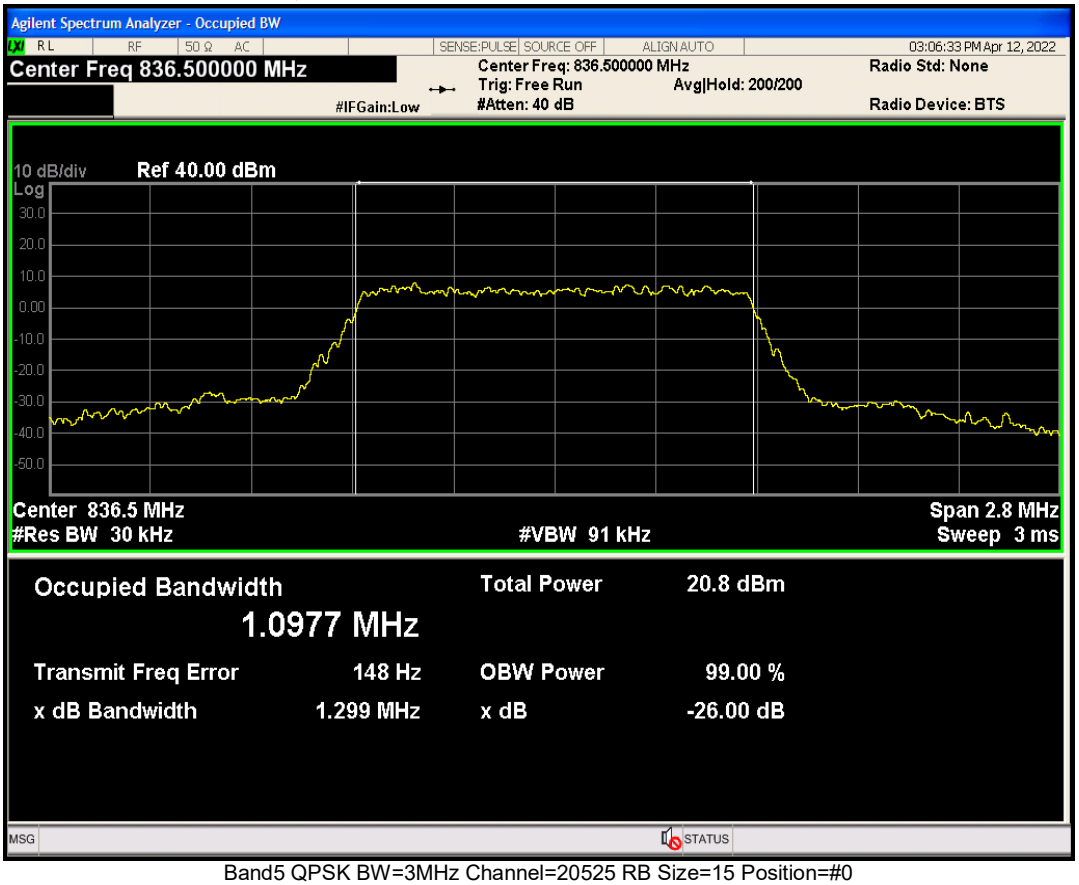
Band41(2555-2655) QPSK BW=20MHz Channel=40740 RB Size=100 Position=#0



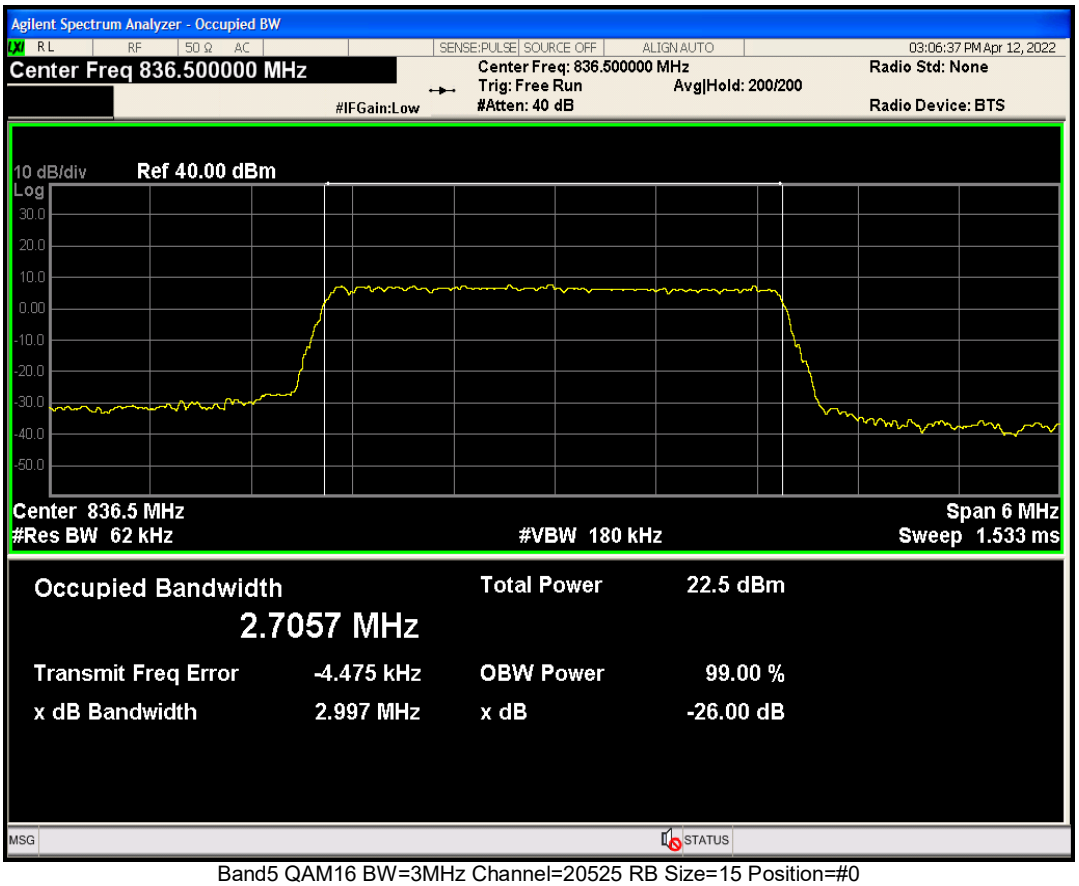
Band5 QPSK BW=1.4MHz Channel=20525 RB Size=6 Position=#0



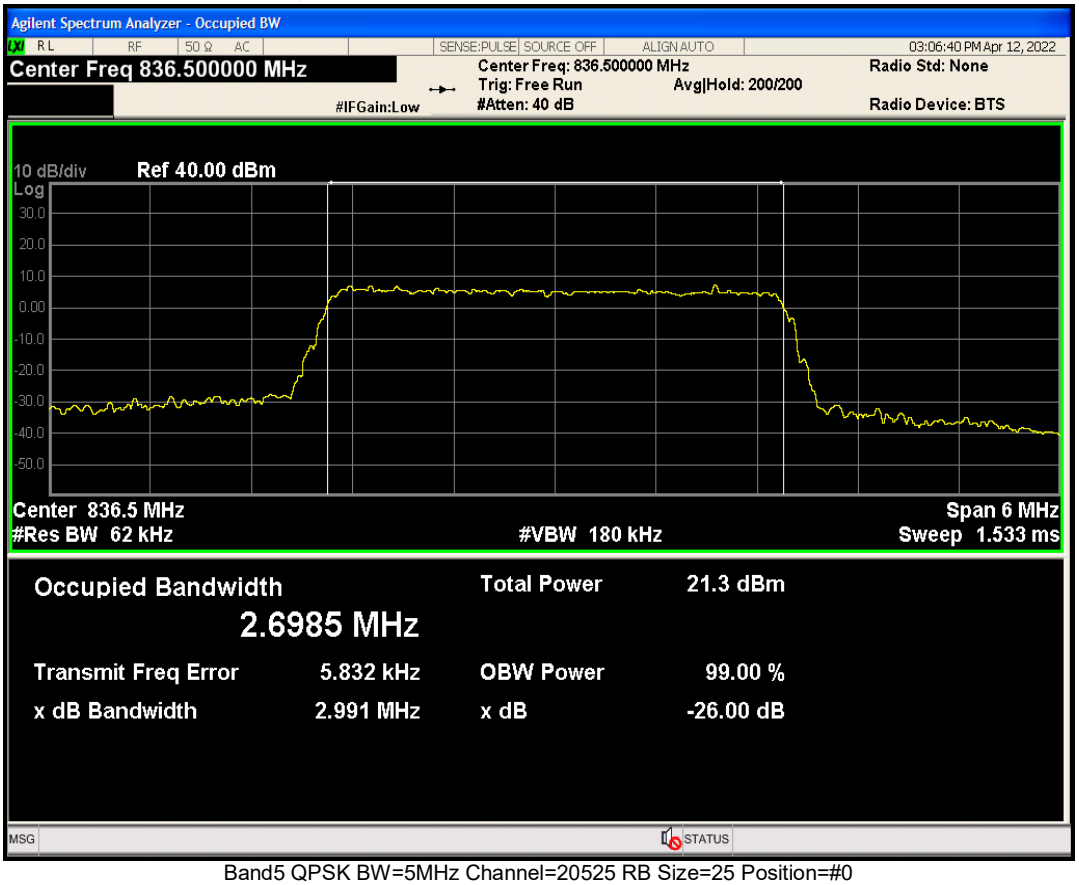
Band5 QAM16 BW=1.4MHz Channel=20525 RB Size=6 Position=#0



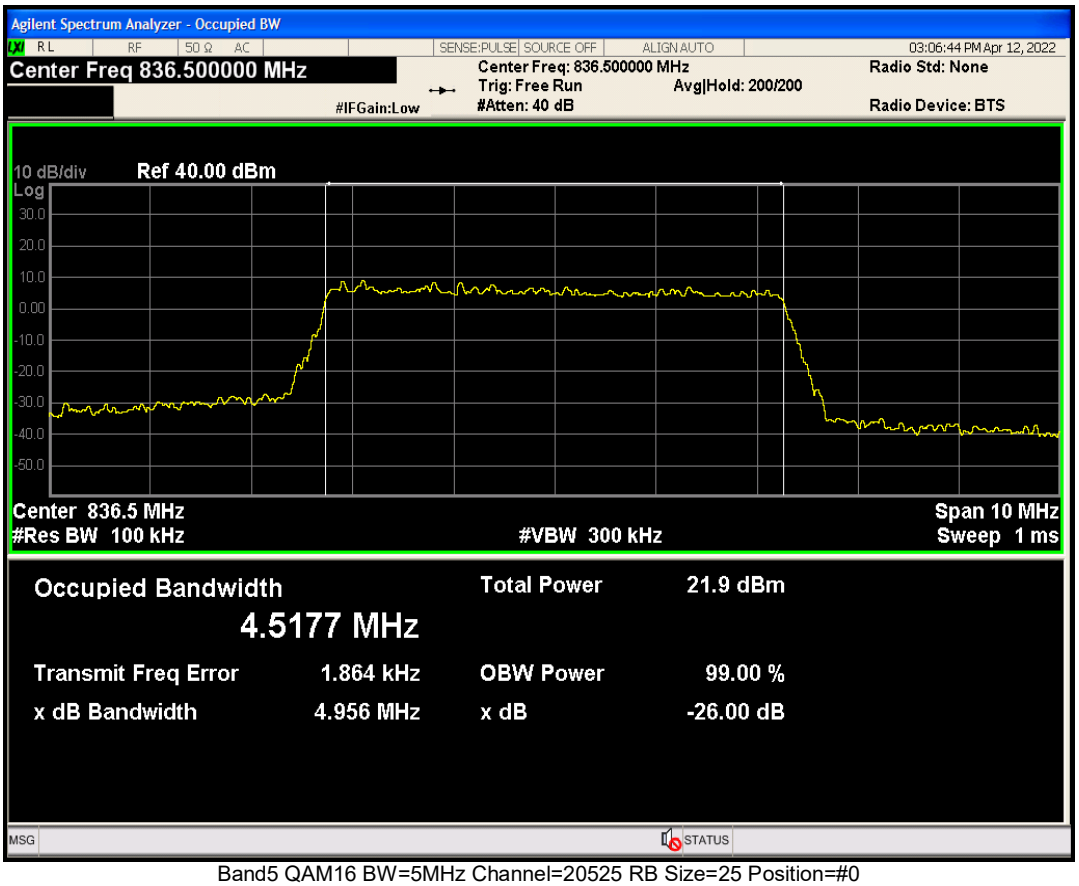
Band5 QPSK BW=3MHz Channel=20525 RB Size=15 Position=#0



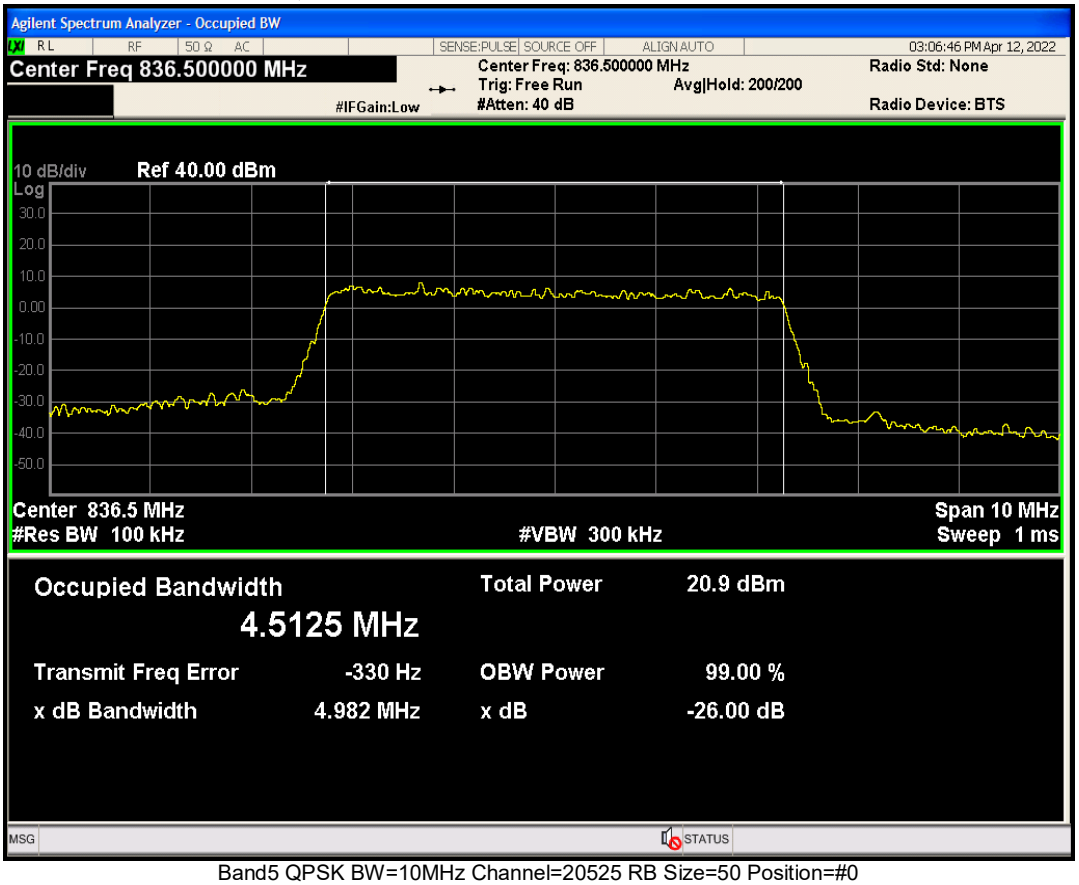
Band5 QAM16 BW=3MHz Channel=20525 RB Size=15 Position=#0



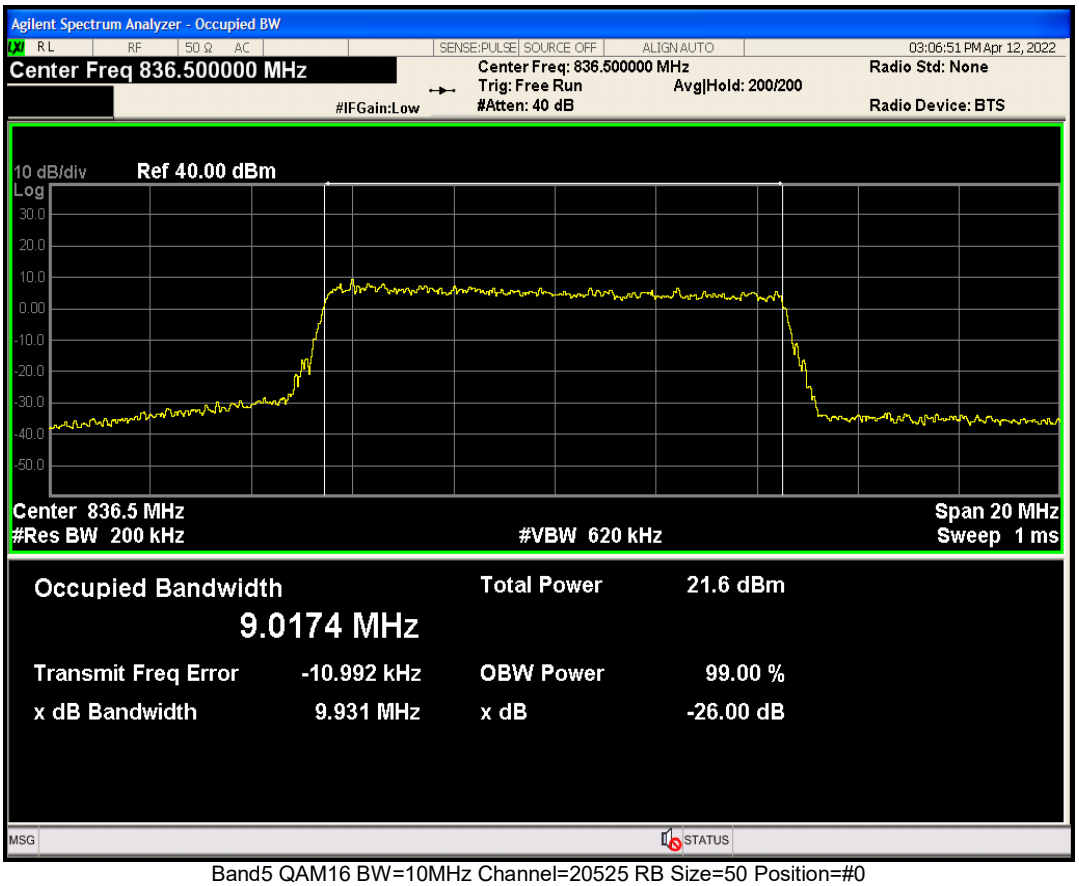
Band5 QPSK BW=5MHz Channel=20525 RB Size=25 Position=#0



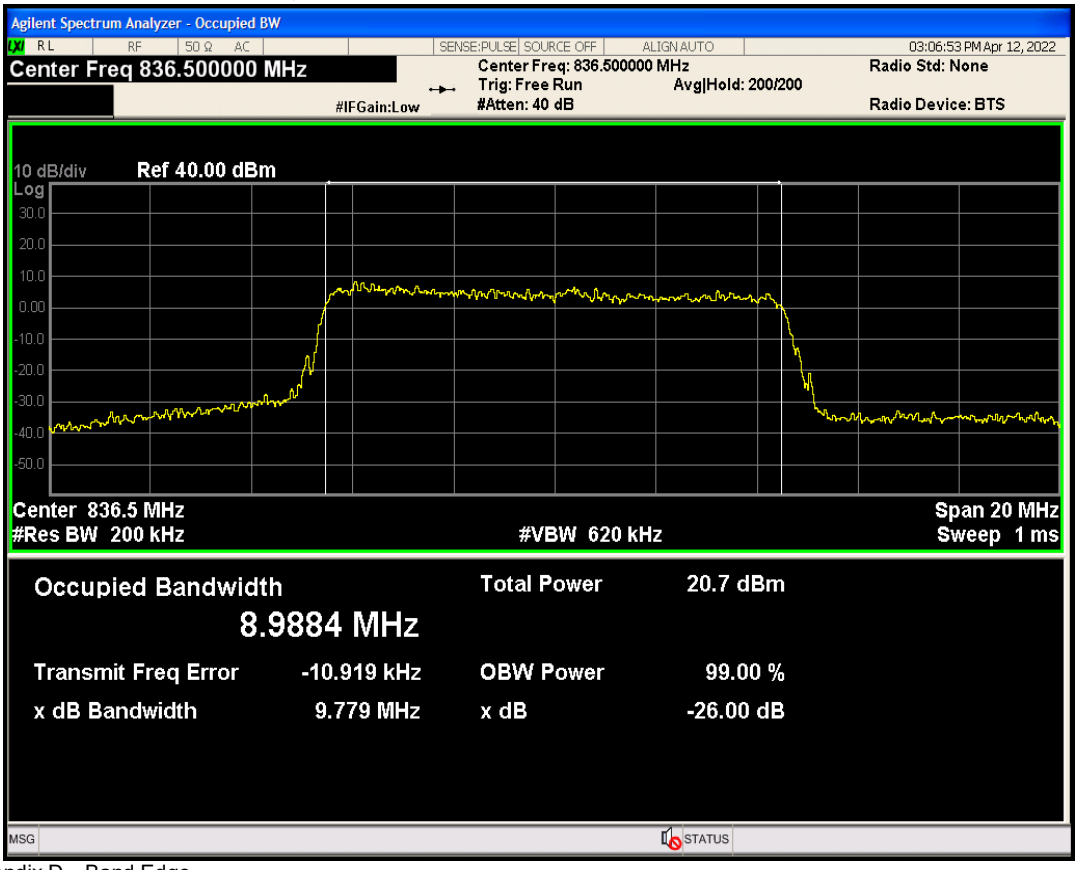
Band5 QAM16 BW=5MHz Channel=20525 RB Size=25 Position=#0



Band5 QPSK BW=10MHz Channel=20525 RB Size=50 Position=#0



Band5 QAM16 BW=10MHz Channel=20525 RB Size=50 Position=#0

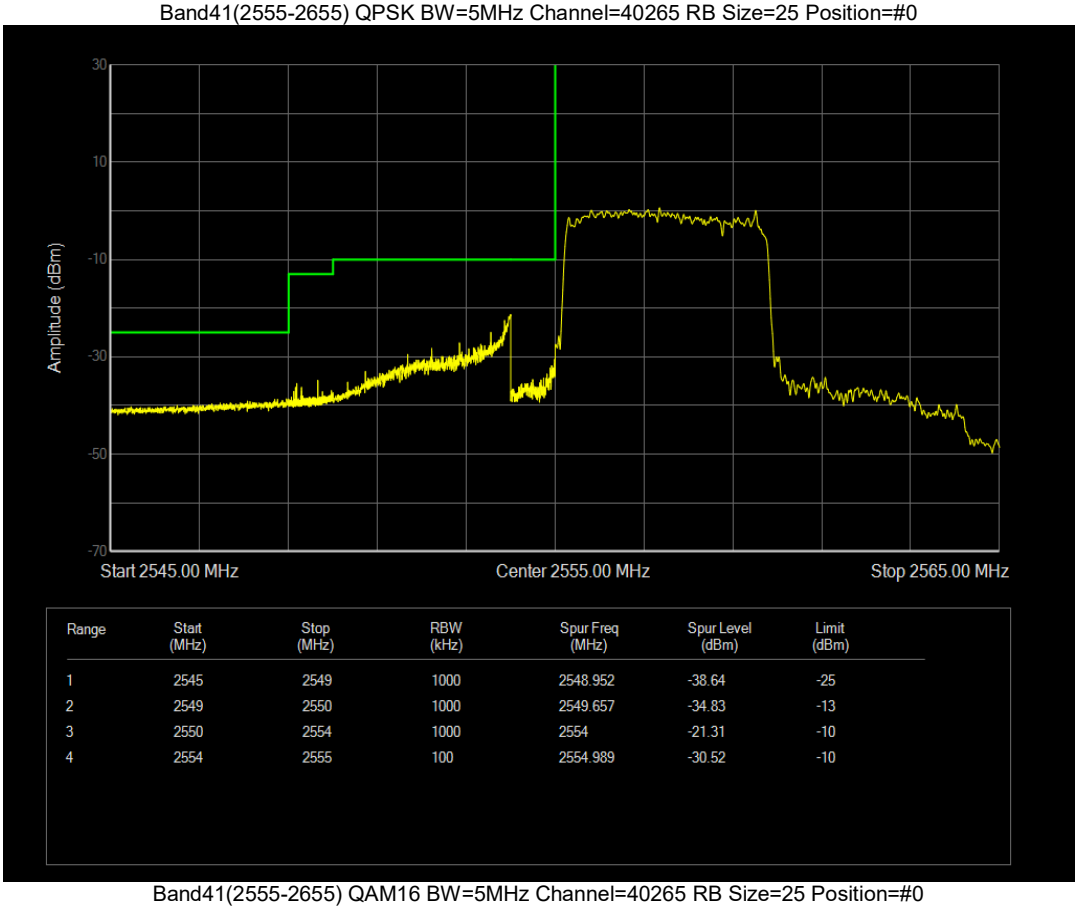


Appendix D Band Edge

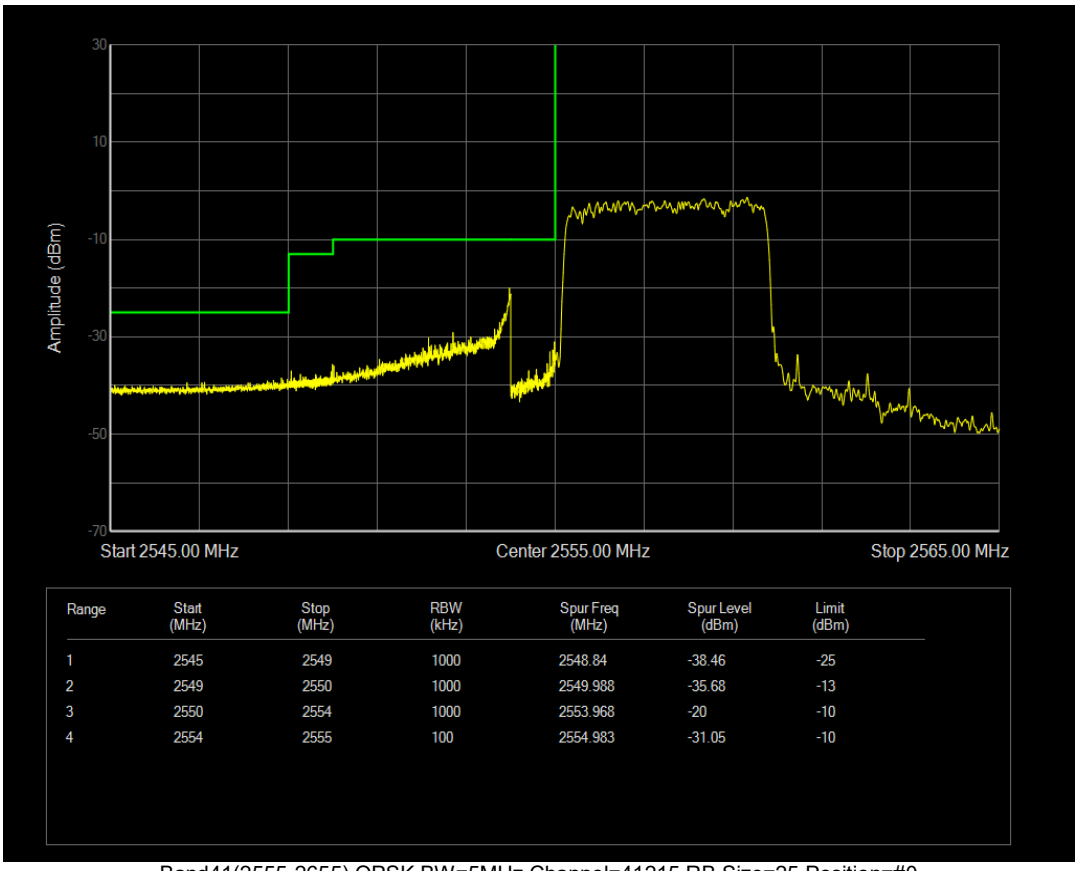
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict

Band41(2555-2655)	5	40265	25	#0	QPSK	2554.00	-21.31	-10	PASS
Band41(2555-2655)	5	40265	25	#0	QAM16	2553.97	-20.00	-10	PASS
Band41(2555-2655)	5	41215	25	#0	QPSK	2656.06	-20.01	-10	PASS
Band41(2555-2655)	5	41215	25	#0	QAM16	2661.36	-37.15	-25	PASS
Band41(2555-2655)	10	40290	50	#0	QPSK	2544.18	-35.65	-25	PASS
Band41(2555-2655)	10	40290	50	#0	QAM16	2543.35	-34.34	-25	PASS
Band41(2555-2655)	10	41190	50	#0	QPSK	2665.41	-36.09	-25	PASS
Band41(2555-2655)	10	41190	50	#0	QAM16	2666.35	-35.74	-25	PASS
Band41(2555-2655)	15	40315	75	#0	QPSK	2536.54	-37.11	-25	PASS
Band41(2555-2655)	15	40315	75	#0	QAM16	2539.11	-34.83	-25	PASS
Band41(2555-2655)	15	41165	75	#0	QPSK	2670.78	-35.93	-25	PASS
Band41(2555-2655)	15	41165	75	#0	QAM16	2672.16	-36.40	-25	PASS
Band41(2555-2655)	20	40340	100	#0	QPSK	2534.31	-38.83	-25	PASS
Band41(2555-2655)	20	40340	100	#0	QAM16	2532.13	-39.95	-25	PASS
Band41(2555-2655)	20	41140	100	#0	QPSK	2676.62	-38.92	-25	PASS
Band41(2555-2655)	20	41140	100	#0	QAM16	2676.66	-39.22	-25	PASS
Band5	1.4	20407	6	#0	QPSK	823.99	-39.40	-13	PASS
Band5	1.4	20407	6	#0	QAM16	824.00	-39.66	-13	PASS
Band5	1.4	20643	6	#0	QPSK	849.00	-37.69	-13	PASS
Band5	1.4	20643	6	#0	QAM16	849.00	-38.89	-13	PASS
Band5	3	20415	15	#0	QPSK	824.00	-35.98	-13	PASS
Band5	3	20415	15	#0	QAM16	824.00	-37.91	-13	PASS
Band5	3	20635	15	#0	QPSK	849.00	-36.73	-13	PASS
Band5	3	20635	15	#0	QAM16	849.00	-38.20	-13	PASS
Band5	5	20425	25	#0	QPSK	824.00	-37.02	-13	PASS
Band5	5	20425	25	#0	QAM16	824.00	-40.10	-13	PASS
Band5	5	20625	25	#0	QPSK	849.01	-35.35	-13	PASS
Band5	5	20625	25	#0	QAM16	849.00	-38.12	-13	PASS
Band5	10	20450	50	#0	QPSK	824.00	-41.74	-13	PASS
Band5	10	20450	50	#0	QAM16	823.98	-44.44	-13	PASS
Band5	10	20600	50	#0	QPSK	849.00	-39.44	-13	PASS
Band5	10	20600	50	#0	QAM16	849.00	-39.29	-13	PASS

Band41(2555-2655) QPSK BW=5MHz Channel=40265 RB Size=25 Position=#0

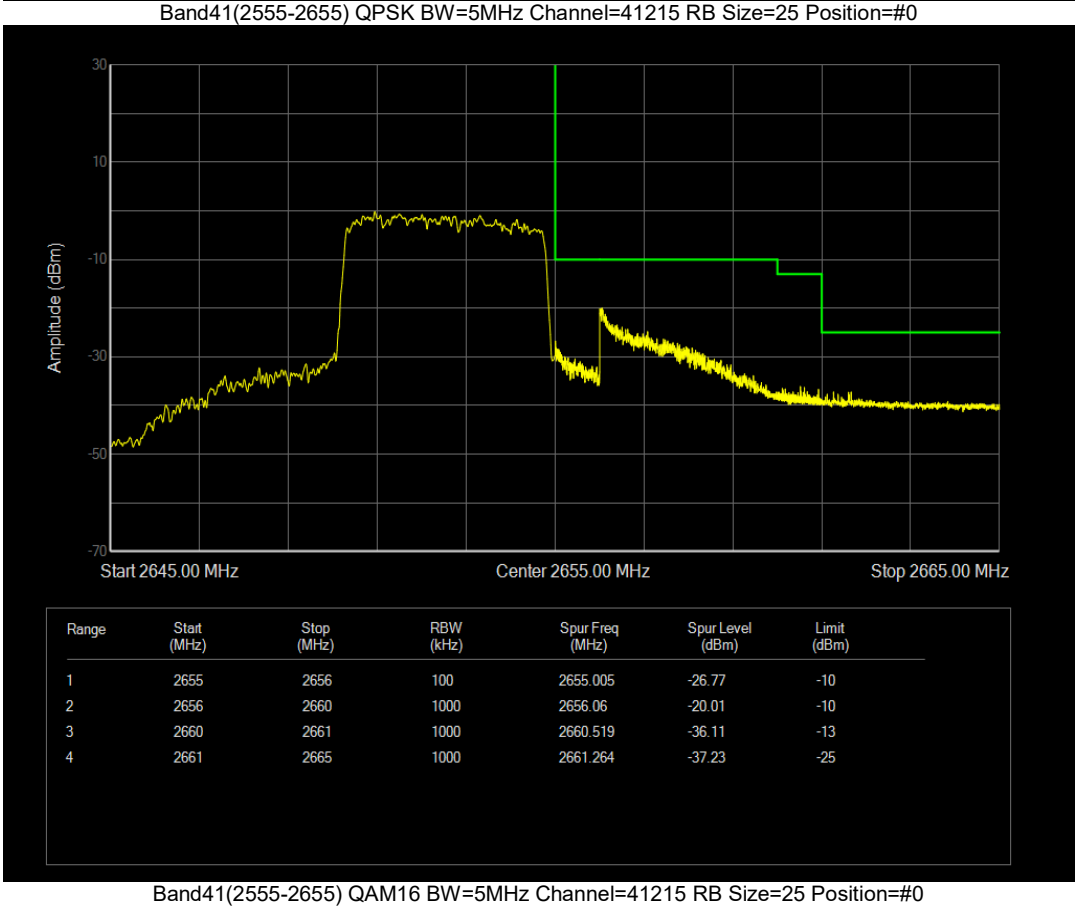


Band41(2555-2655) QAM16 BW=5MHz Channel=40265 RB Size=25 Position=#0



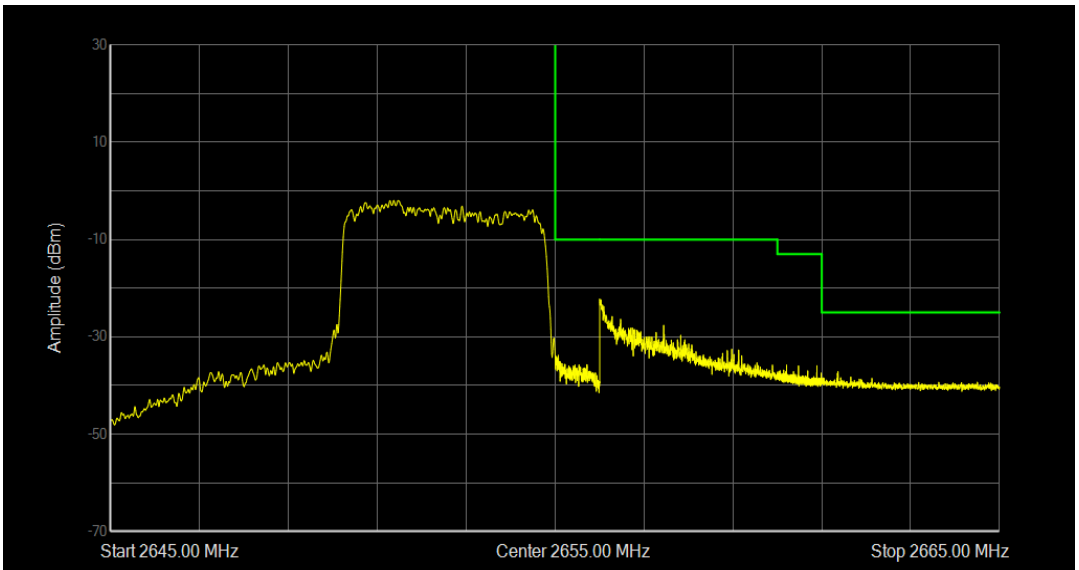
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2545	2549	1000	2548.84	-38.46	-25
2	2549	2550	1000	2549.988	-35.68	-13
3	2550	2554	1000	2553.968	-20	-10
4	2554	2555	100	2554.983	-31.05	-10

Band41(2555-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



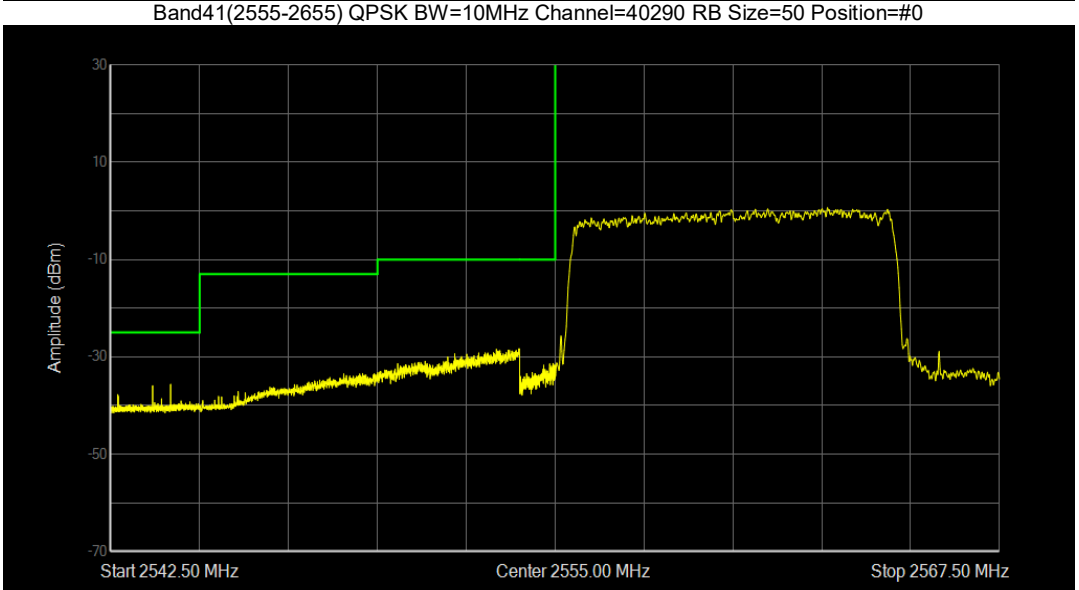
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	100	2655.005	-26.77	-10
2	2656	2660	1000	2656.06	-20.01	-10
3	2660	2661	1000	2660.519	-36.11	-13
4	2661	2665	1000	2661.264	-37.23	-25

Band41(2555-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0



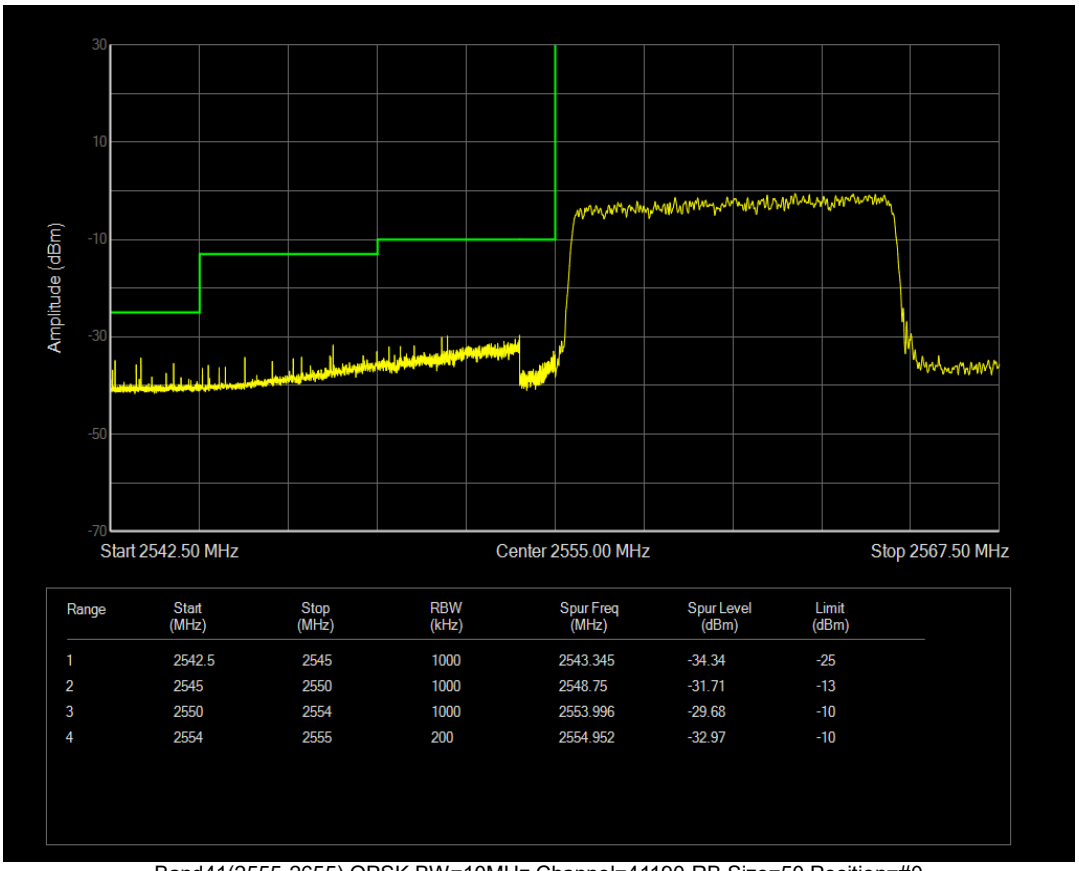
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	100	2655.07	-33.8	-10
2	2656	2660	1000	2656.028	-22.4	-10
3	2660	2661	1000	2660.206	-35.82	-13
4	2661	2665	1000	2661.364	-37.15	-25

Band41(2555-2655) QPSK BW=10MHz Channel=40290 RB Size=50 Position=#0



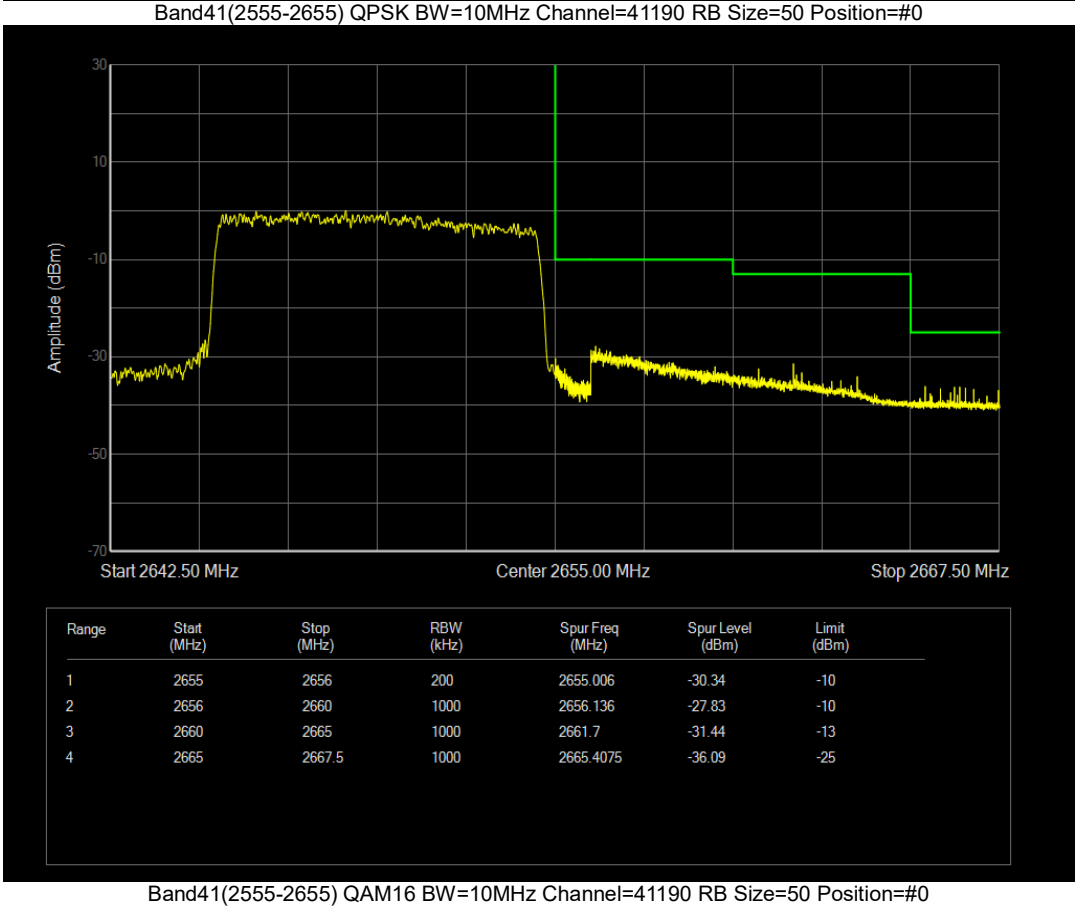
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2542.5	2545	1000	2544.18	-35.65	-25
2	2545	2550	1000	2549.58	-33.43	-13
3	2550	2554	1000	2553.98	-28.35	-10
4	2554	2555	200	2554.937	-31.37	-10

Band41(2555-2655) QAM16 BW=10MHz Channel=40290 RB Size=50 Position=#0



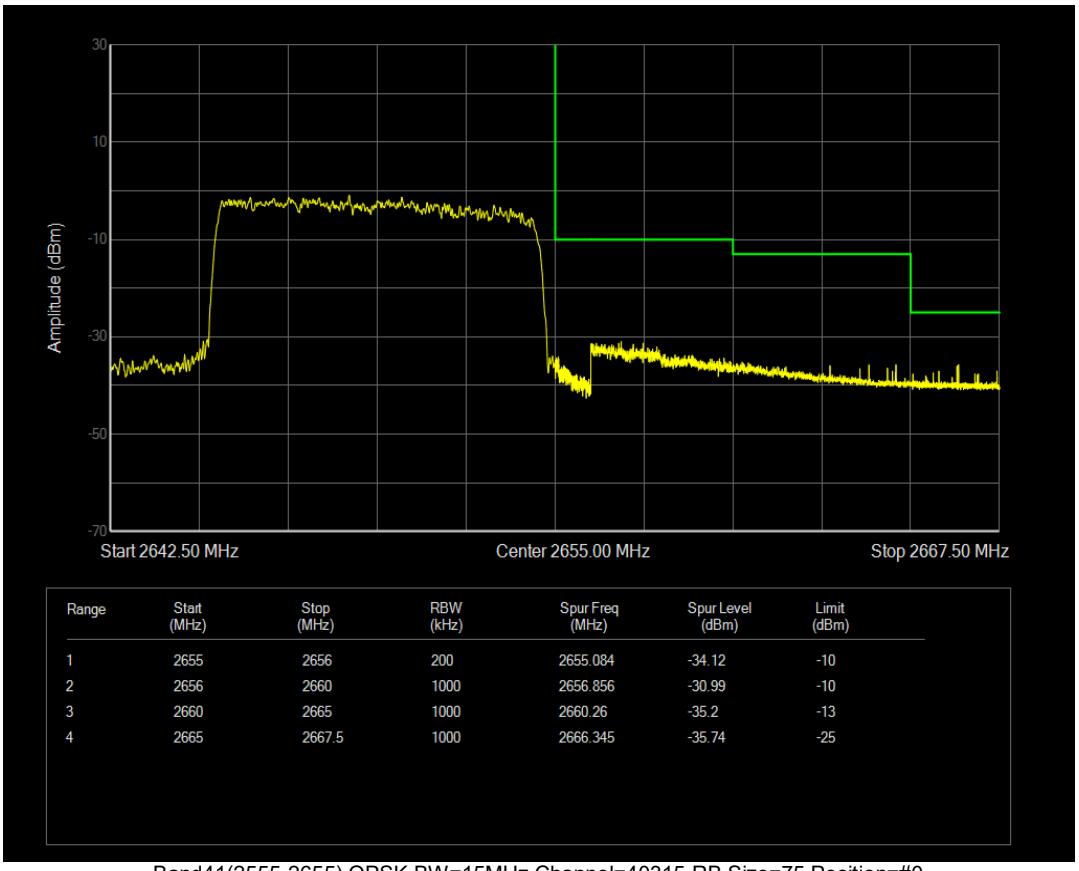
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2542.5	2545	1000	2543.345	-34.34	-25
2	2545	2550	1000	2548.75	-31.71	-13
3	2550	2554	1000	2553.996	-29.68	-10
4	2554	2555	200	2554.952	-32.97	-10

Band41(2555-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



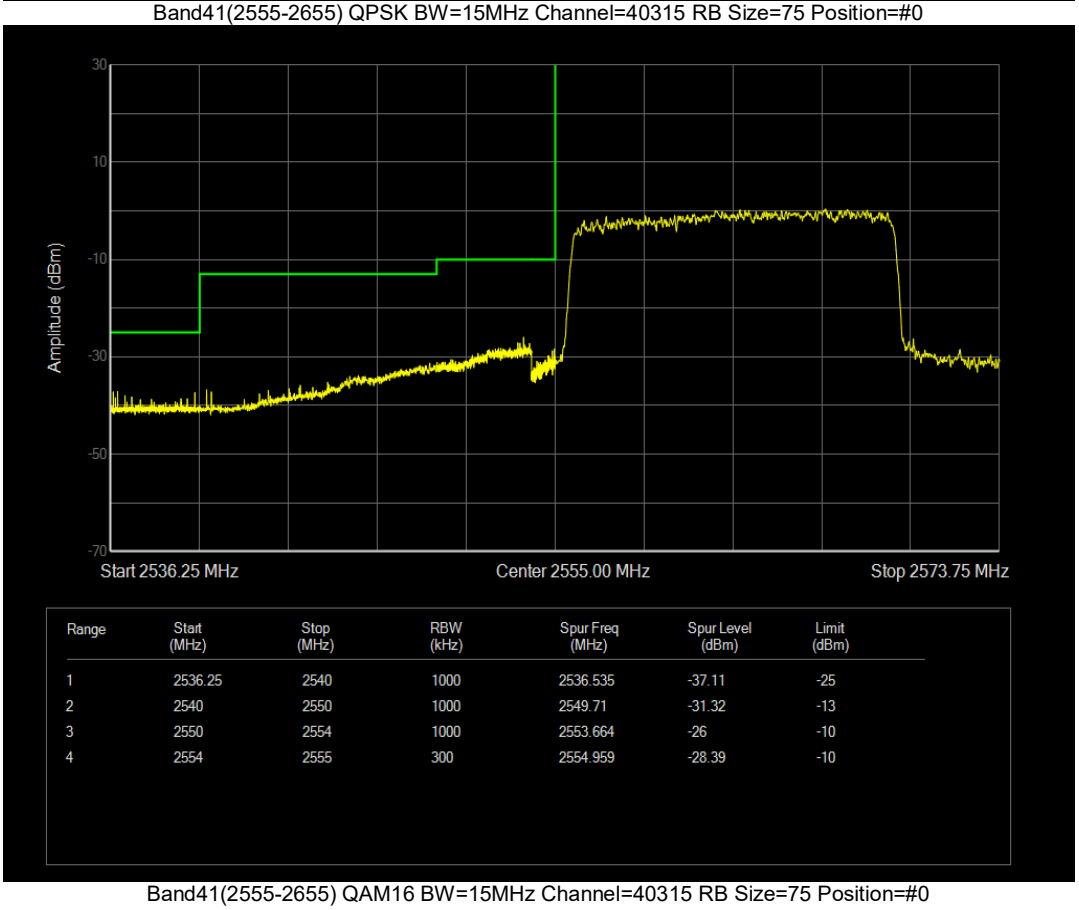
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	200	2655.006	-30.34	-10
2	2656	2660	1000	2656.136	-27.83	-10
3	2660	2665	1000	2661.7	-31.44	-13
4	2665	2667.5	1000	2665.4075	-36.09	-25

Band41(2555-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0



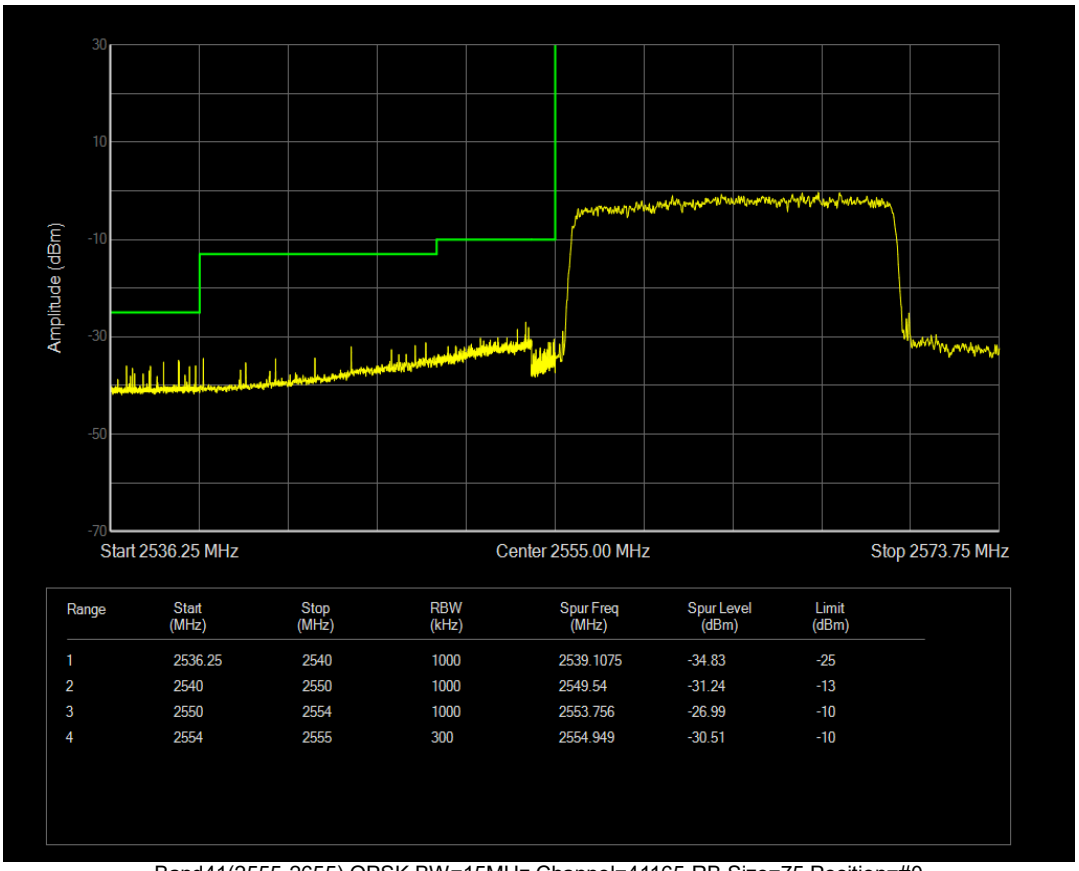
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	200	2655.084	-34.12	-10
2	2656	2660	1000	2656.856	-30.99	-10
3	2660	2665	1000	2660.26	-35.2	-13
4	2665	2667.5	1000	2666.345	-35.74	-25

Band41(2555-2655) QPSK BW=15MHz Channel=40315 RB Size=75 Position=#0



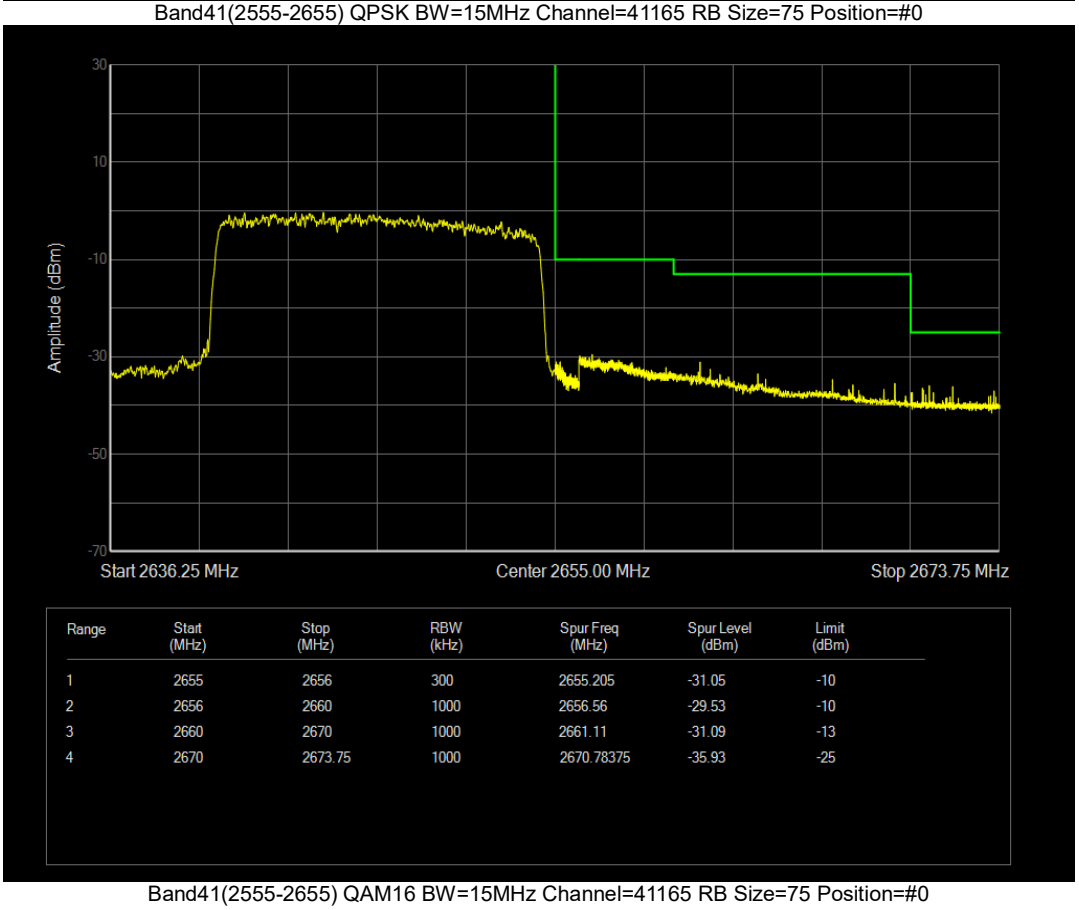
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2536.25	2540	1000	2536.535	-37.11	-25
2	2540	2550	1000	2549.71	-31.32	-13
3	2550	2554	1000	2553.664	-26	-10
4	2554	2555	300	2554.959	-28.39	-10

Band41(2555-2655) QAM16 BW=15MHz Channel=40315 RB Size=75 Position=#0



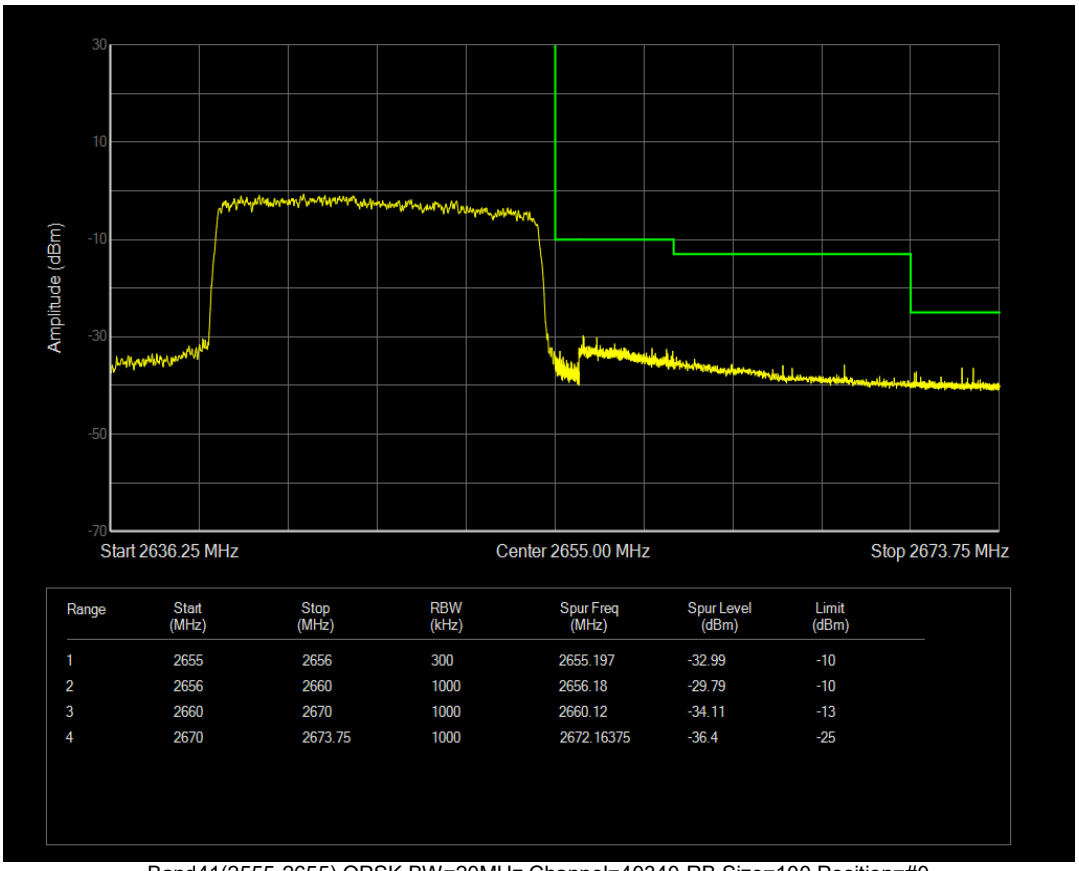
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2536.25	2540	1000	2539.1075	-34.83	-25
2	2540	2550	1000	2549.54	-31.24	-13
3	2550	2554	1000	2553.756	-26.99	-10
4	2554	2555	300	2554.949	-30.51	-10

Band41(2555-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0



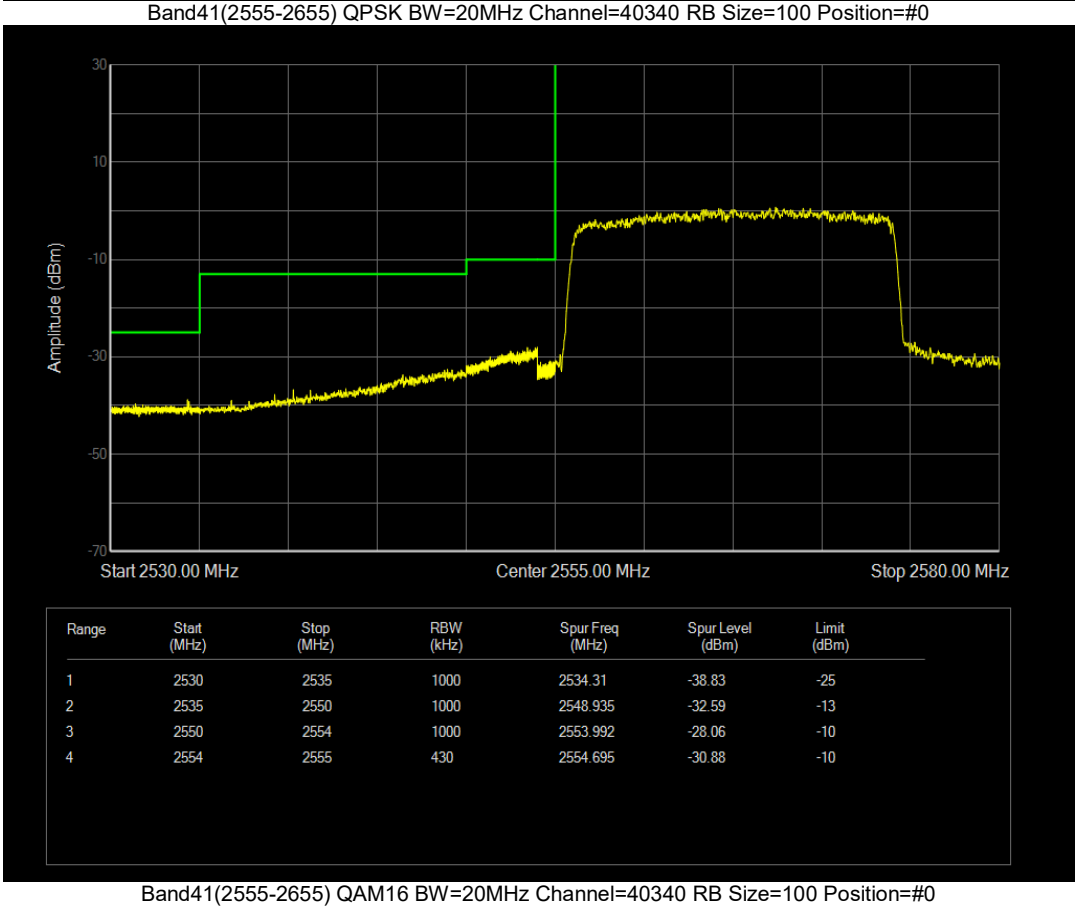
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	300	2655.205	-31.05	-10
2	2656	2660	1000	2656.56	-29.53	-10
3	2660	2670	1000	2661.11	-31.09	-13
4	2670	2673.75	1000	2670.78375	-35.93	-25

Band41(2555-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



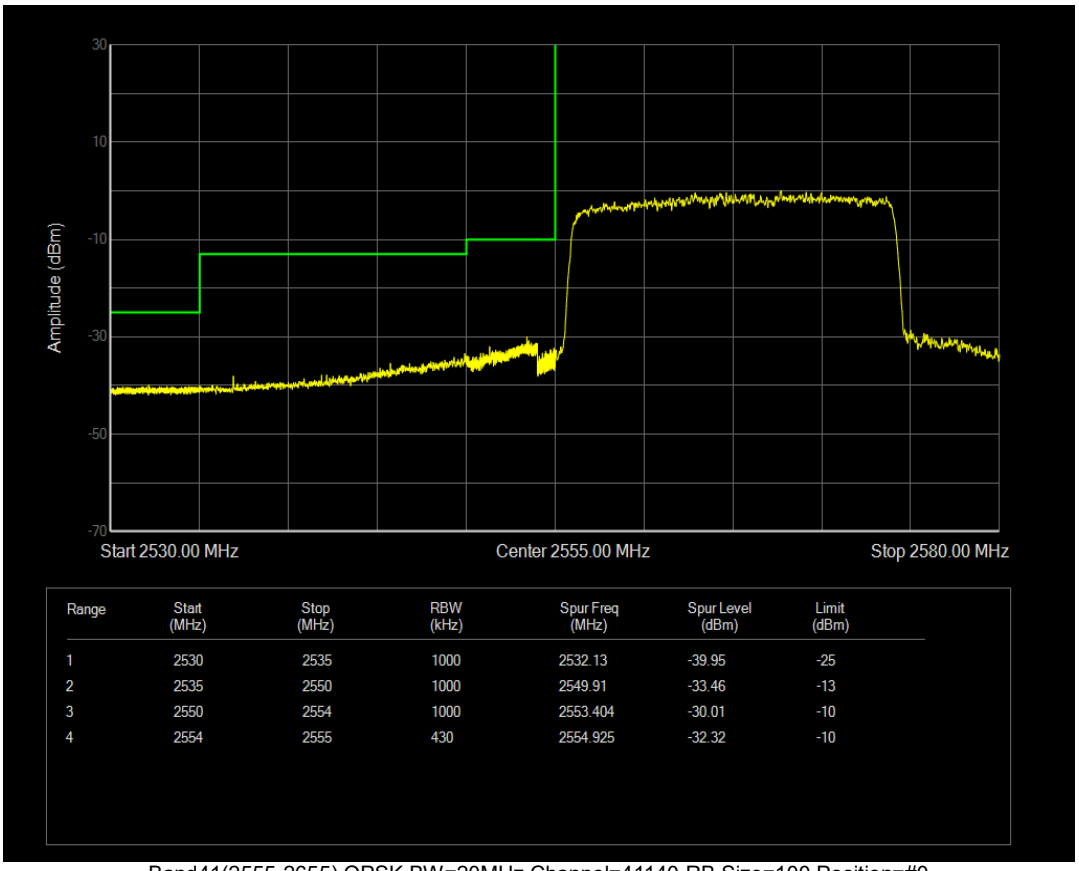
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	300	2655.197	-32.99	-10
2	2656	2660	1000	2656.18	-29.79	-10
3	2660	2670	1000	2660.12	-34.11	-13
4	2670	2673.75	1000	2672.16375	-36.4	-25

Band41(2555-2655) QPSK BW=20MHz Channel=40340 RB Size=100 Position=#0



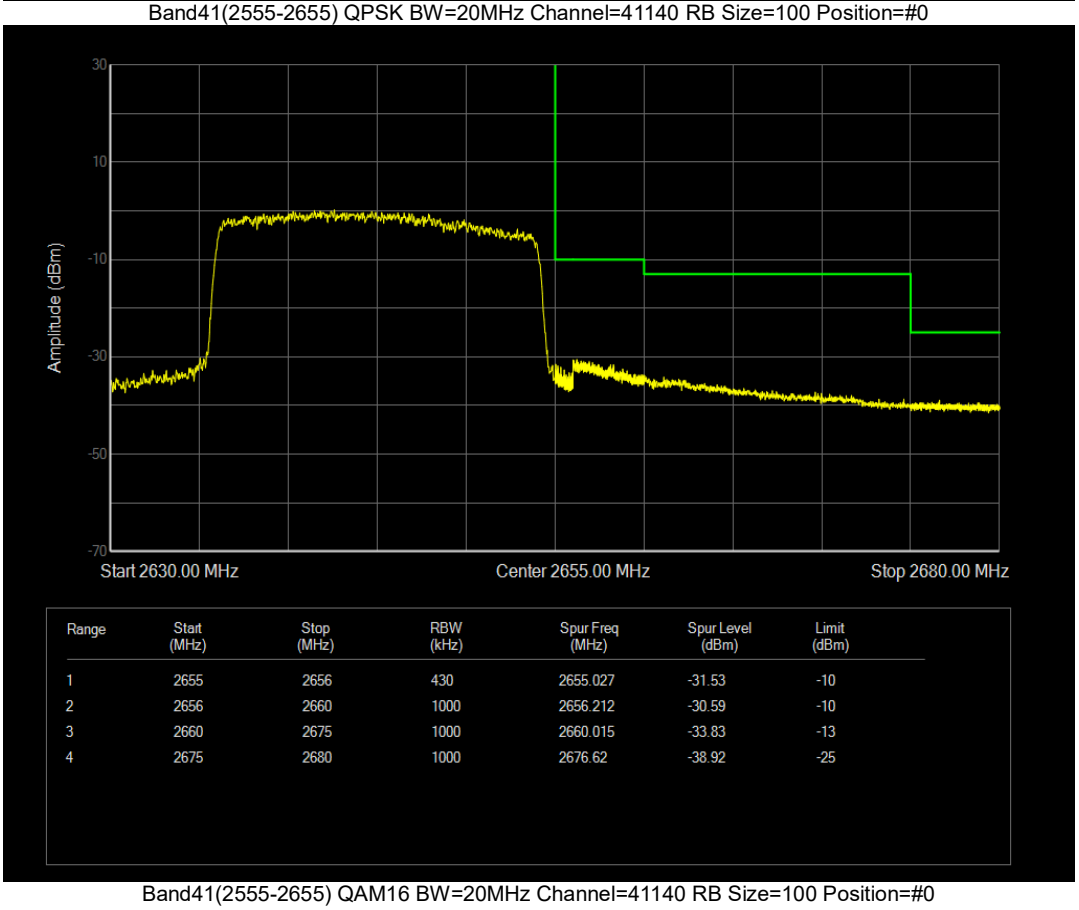
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2530	2535	1000	2534.31	-38.83	-25
2	2535	2550	1000	2548.935	-32.59	-13
3	2550	2554	1000	2553.992	-28.06	-10
4	2554	2555	430	2554.695	-30.88	-10

Band41(2555-2655) QAM16 BW=20MHz Channel=40340 RB Size=100 Position=#0



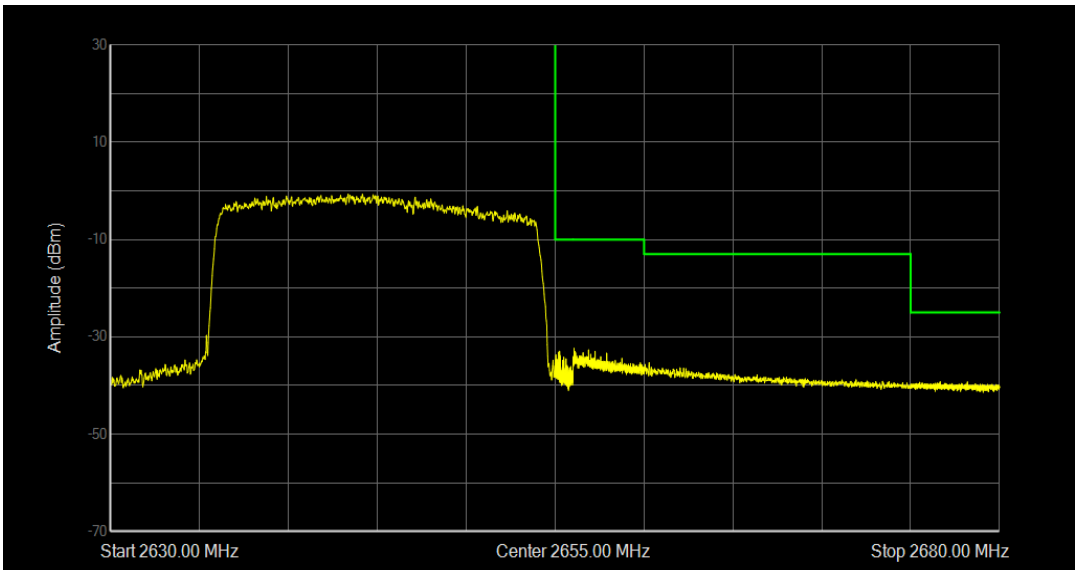
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2530	2535	1000	2532.13	-39.95	-25
2	2535	2550	1000	2549.91	-33.46	-13
3	2550	2554	1000	2553.404	-30.01	-10
4	2554	2555	430	2554.925	-32.32	-10

Band41(2555-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0



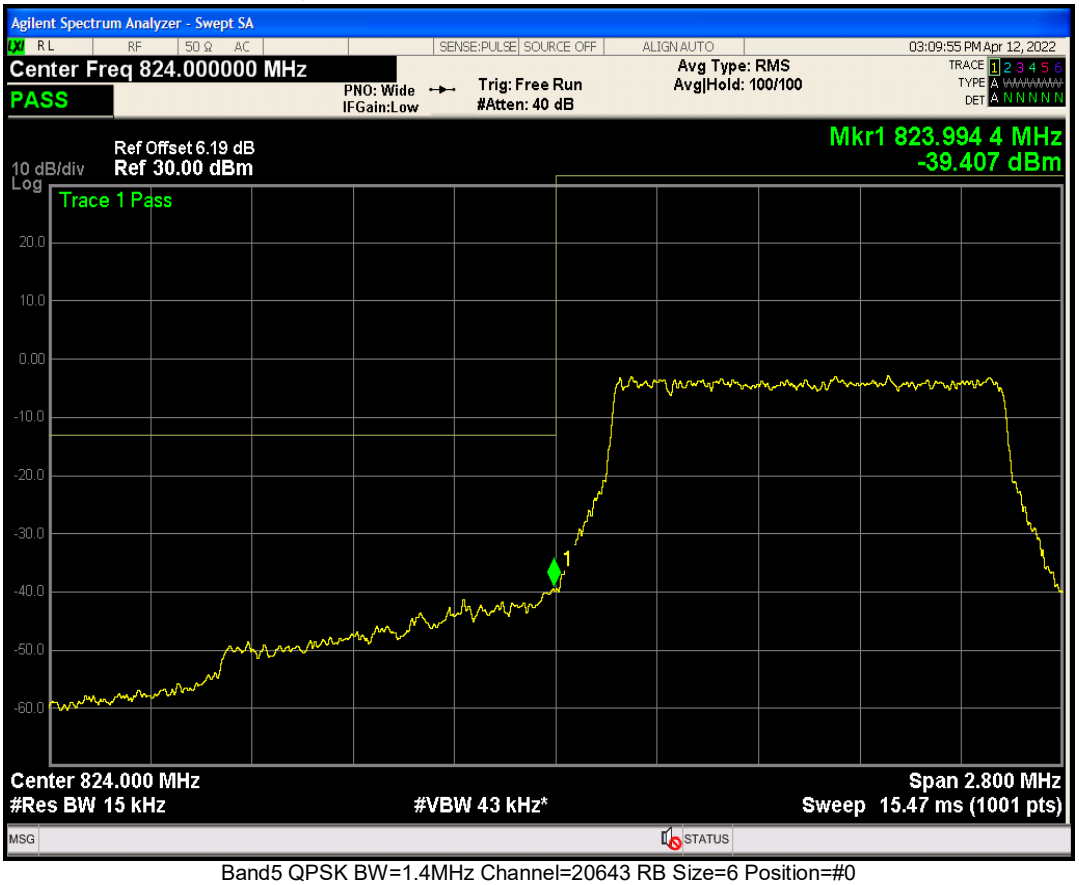
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	430	2655.027	-31.53	-10
2	2656	2660	1000	2656.212	-30.59	-10
3	2660	2675	1000	2660.015	-33.83	-13
4	2675	2680	1000	2676.62	-38.92	-25

Band41(2555-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0



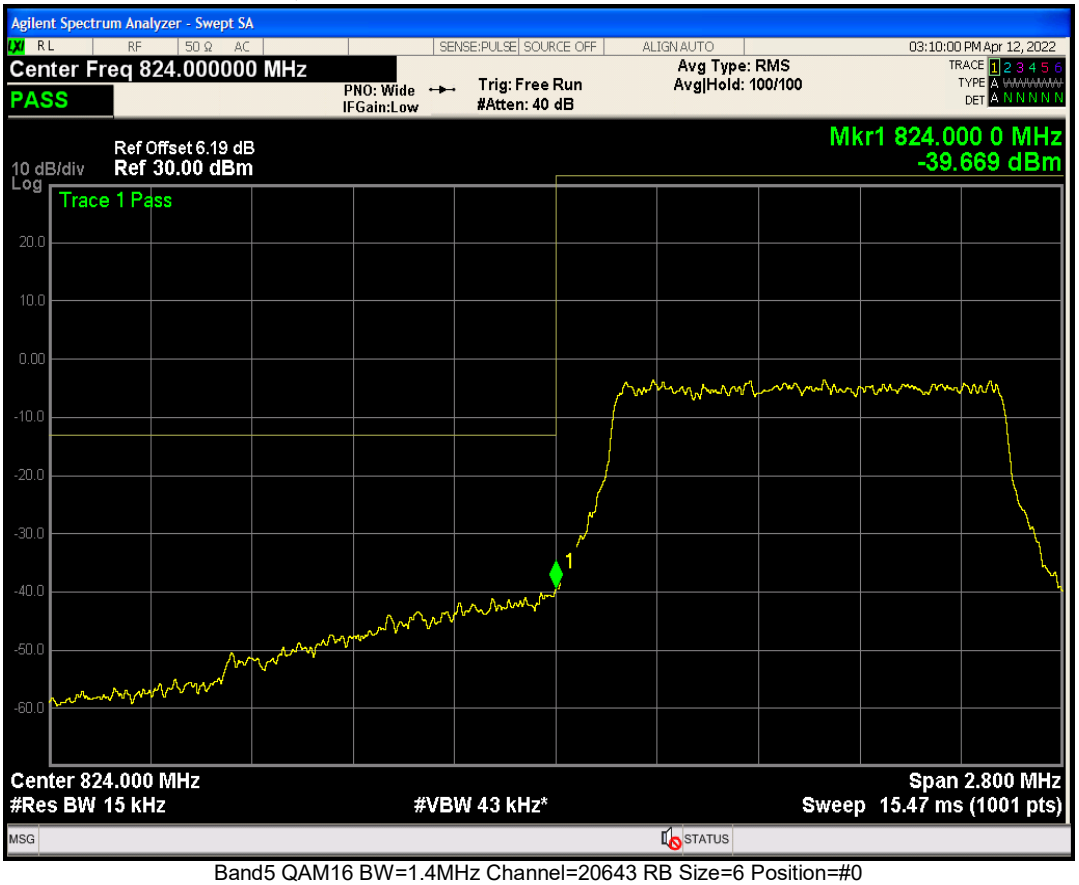
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	2655	2656	430	2655.246	-32.95	-10
2	2656	2660	1000	2656.06	-32.37	-10
3	2660	2675	1000	2660.285	-35.3	-13
4	2675	2680	1000	2676.66	-39.22	-25

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



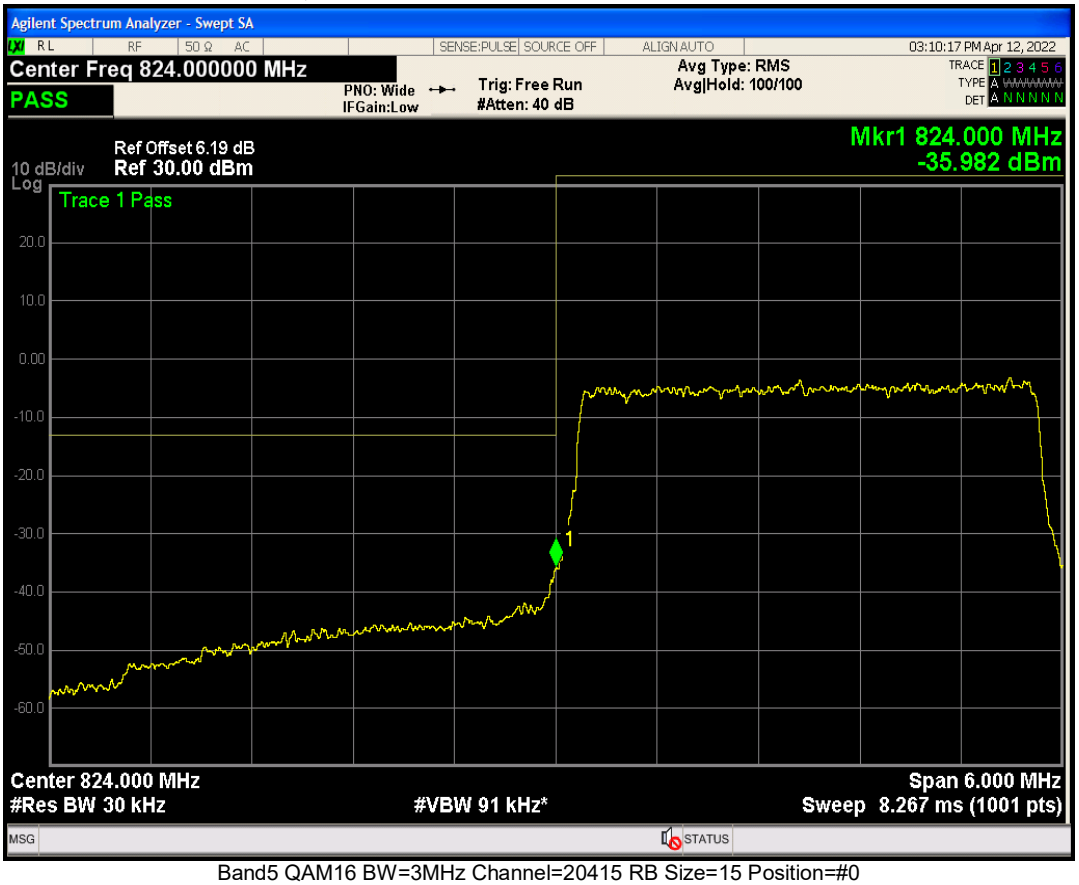
Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0

Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0

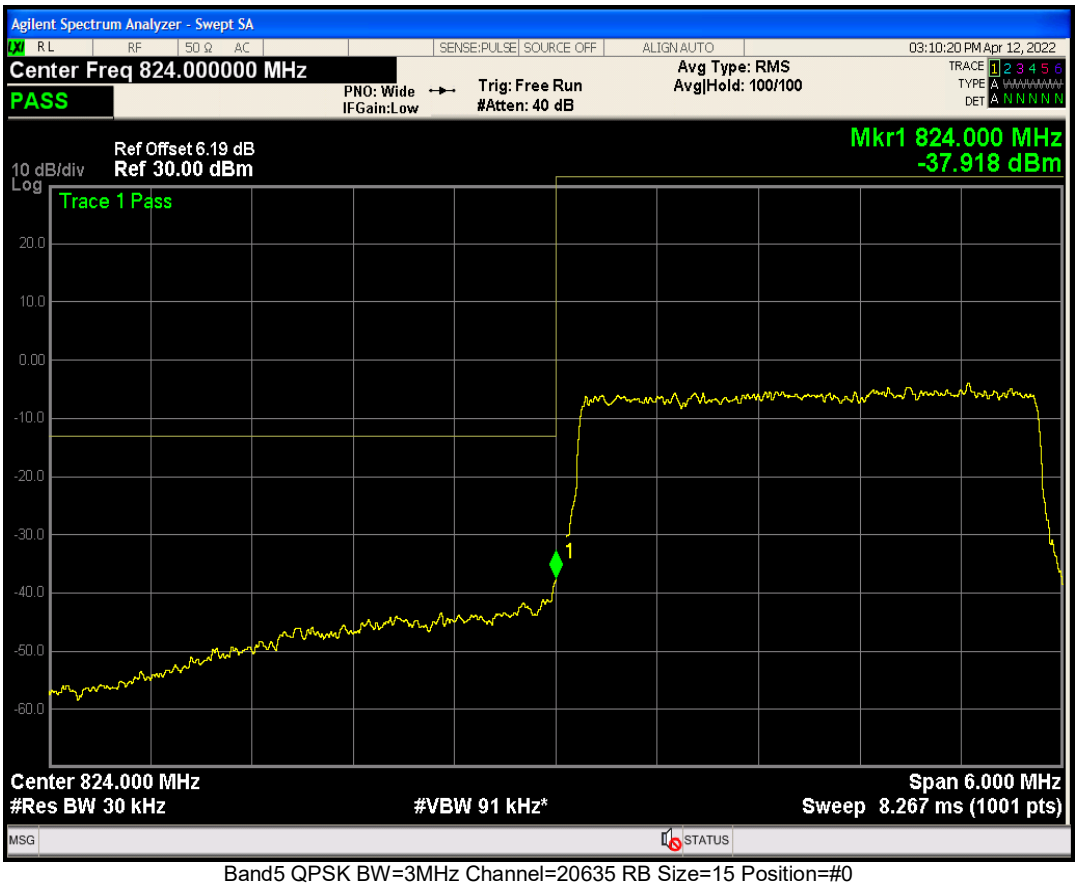


Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0

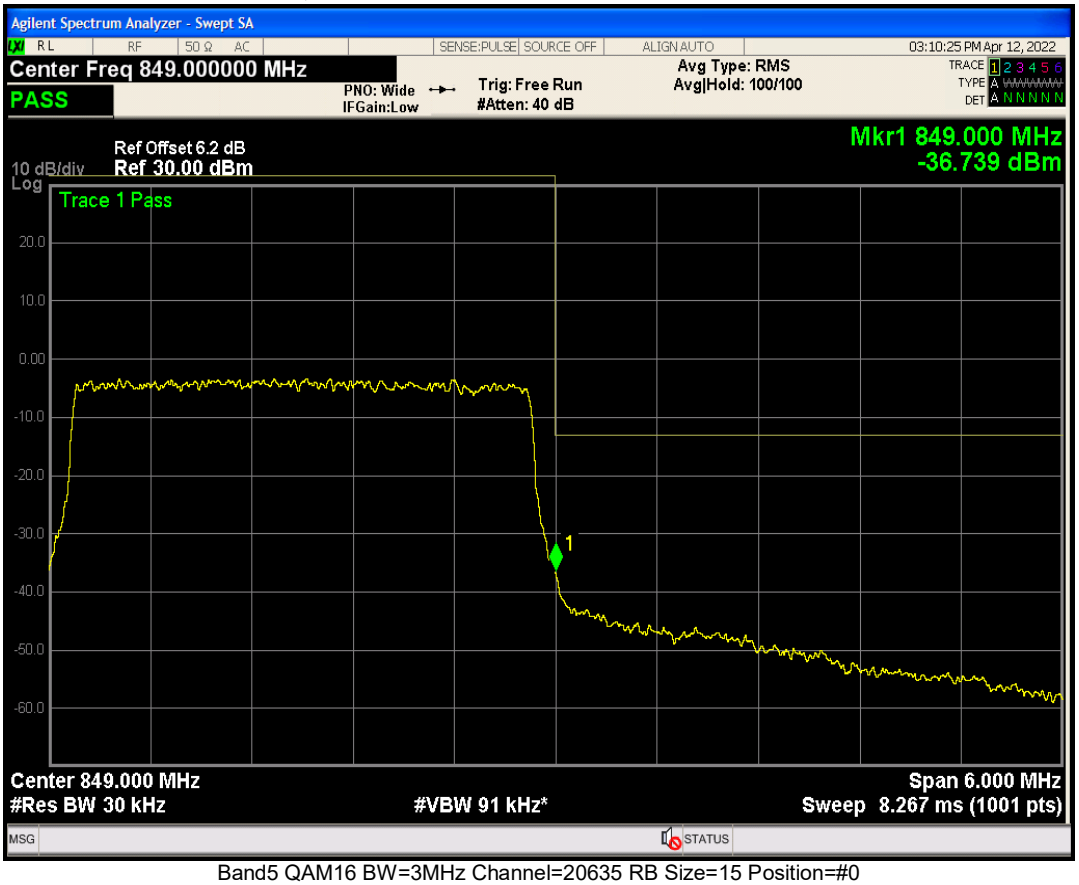
Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



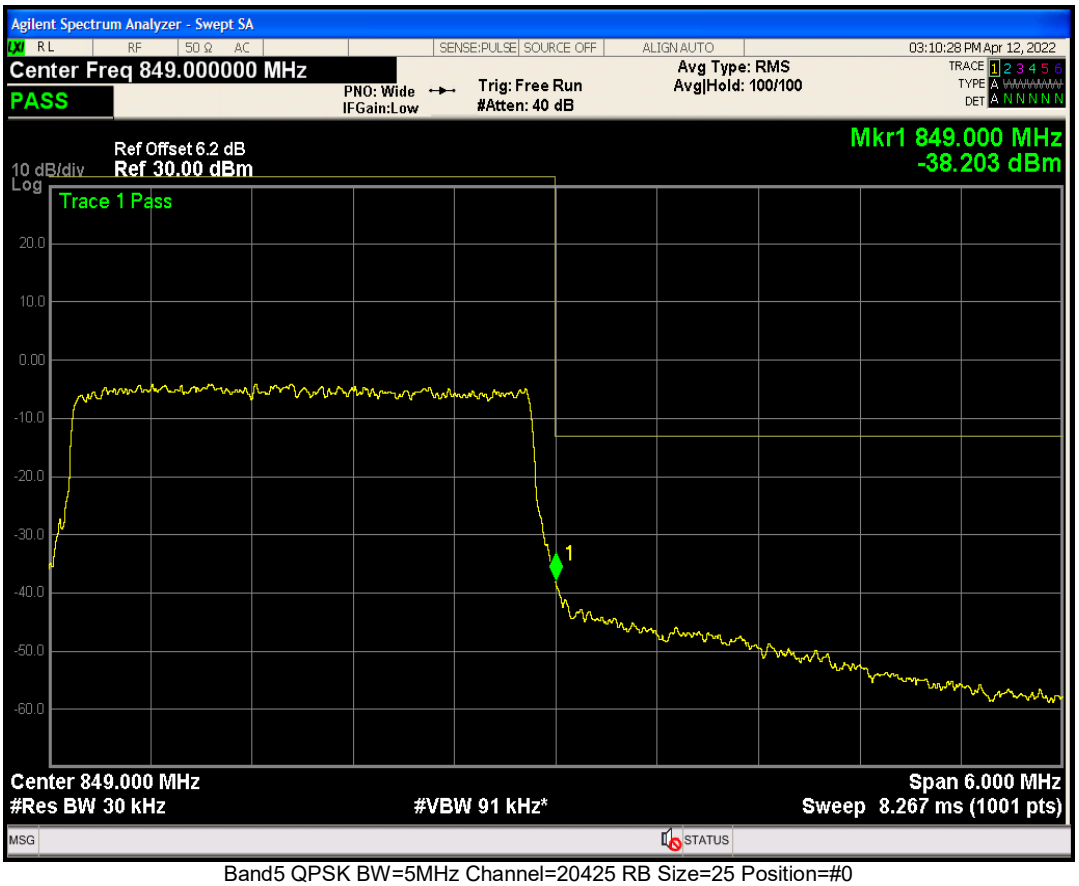
Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



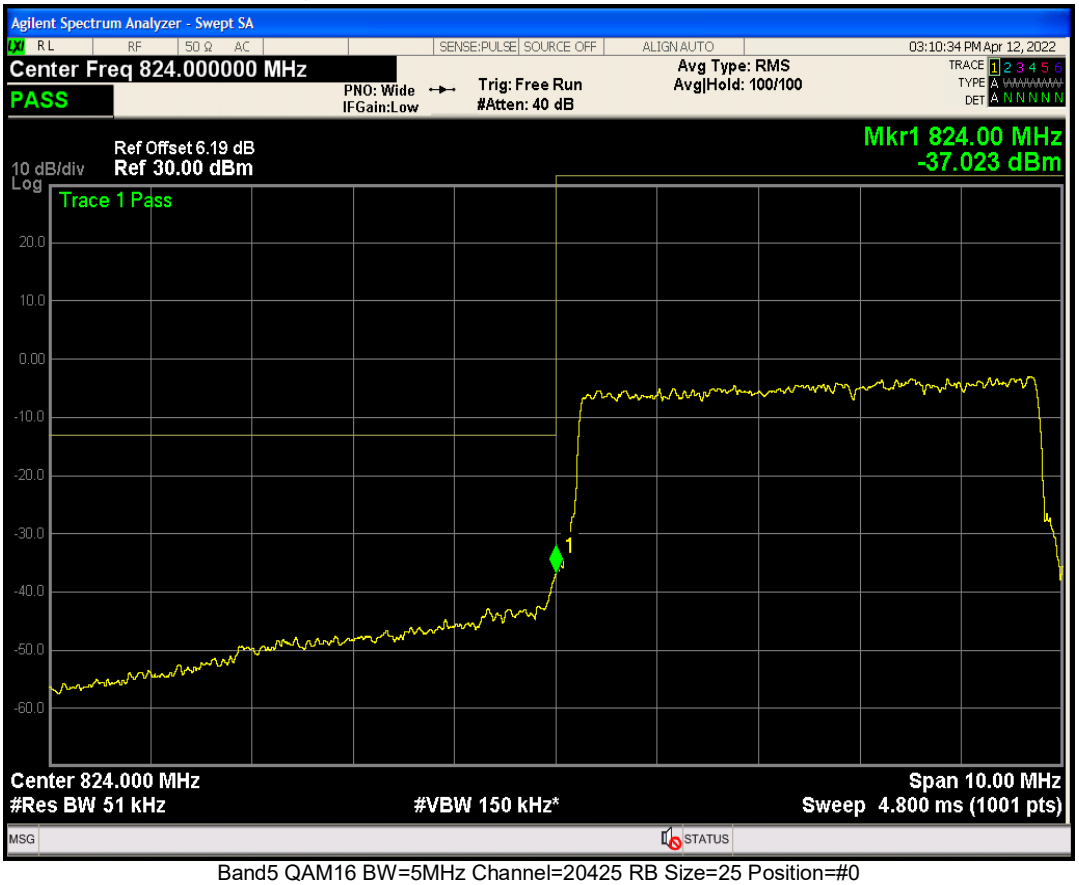
Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



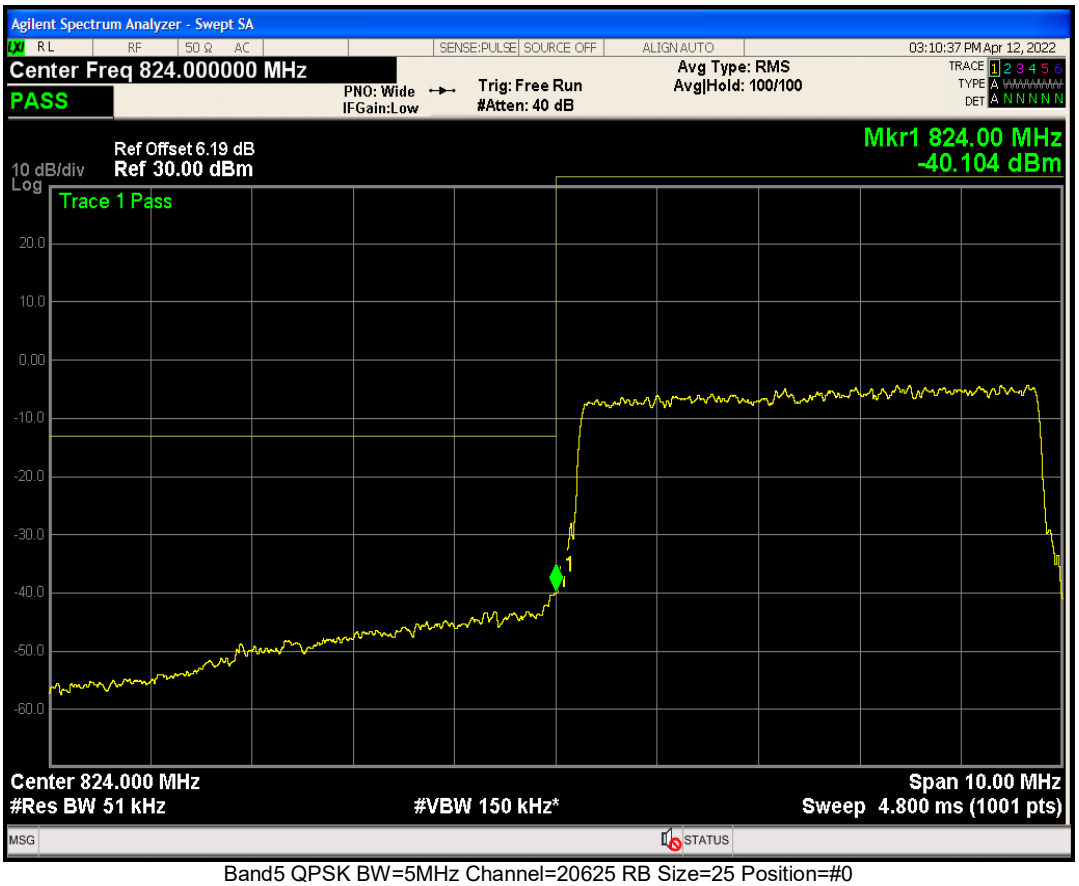
Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



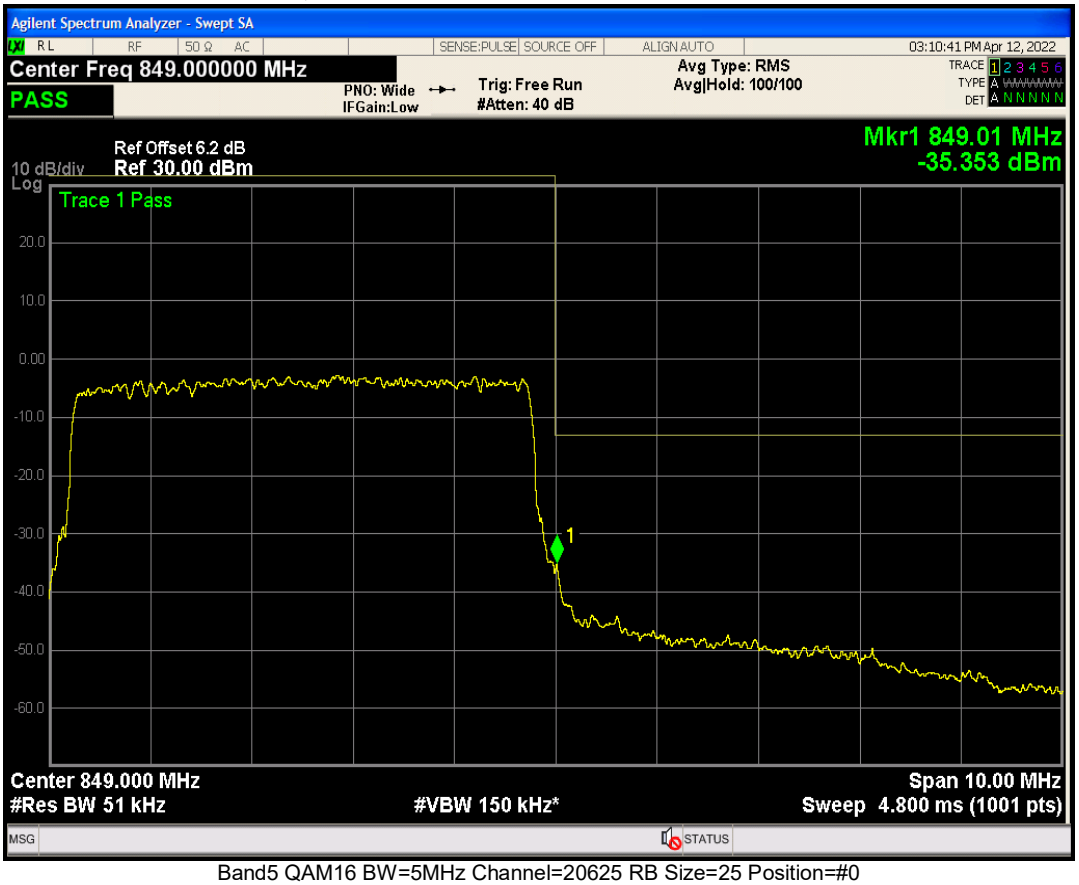
Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



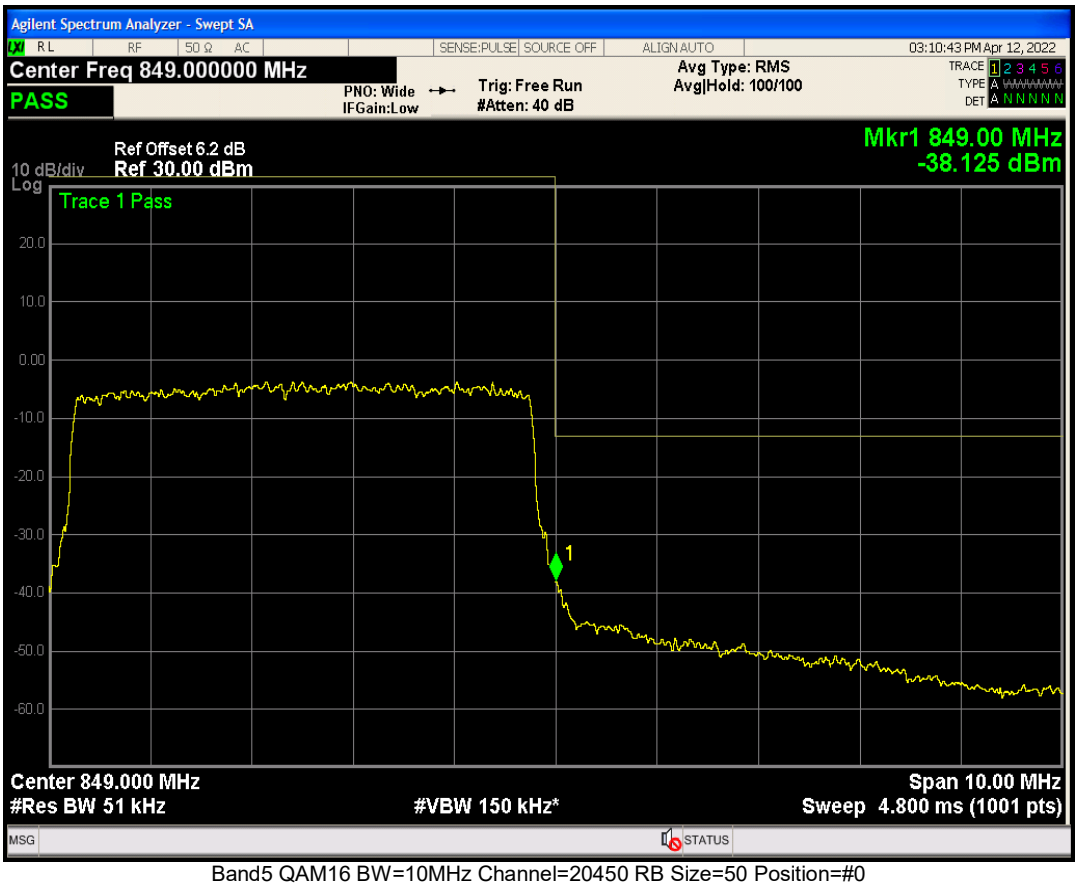
Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



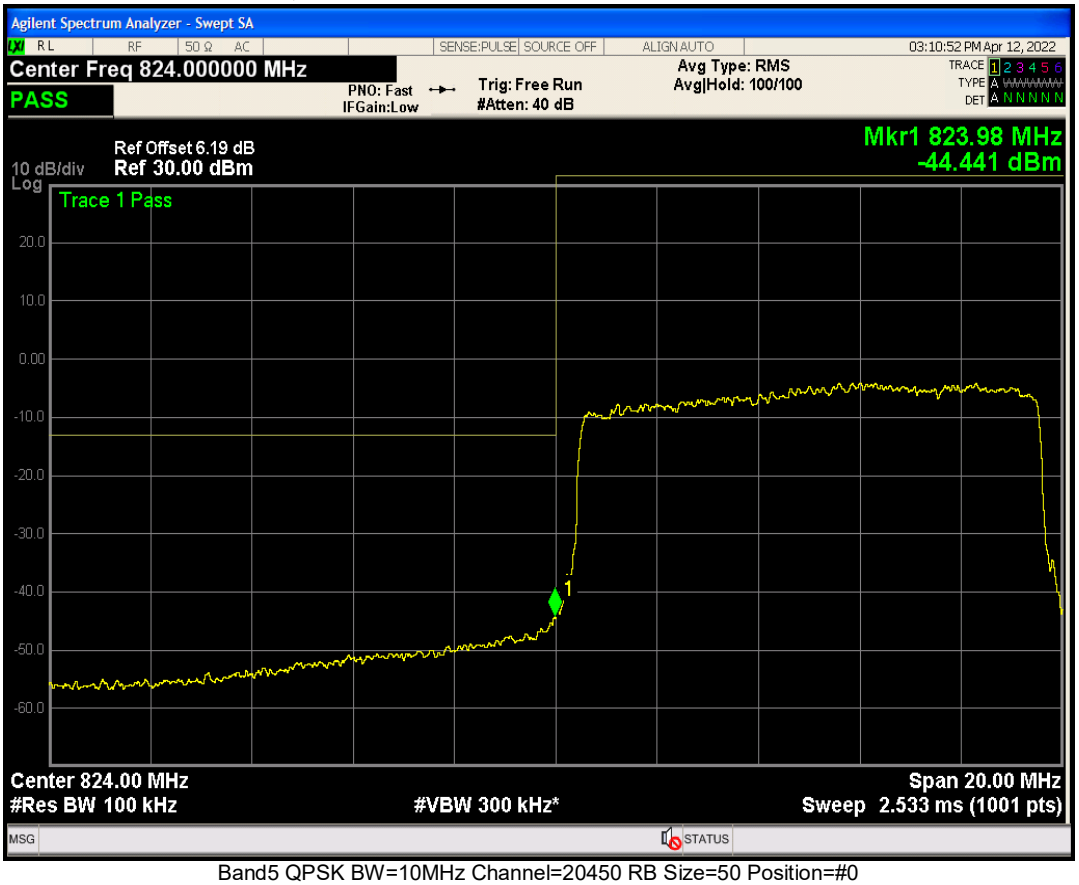
Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



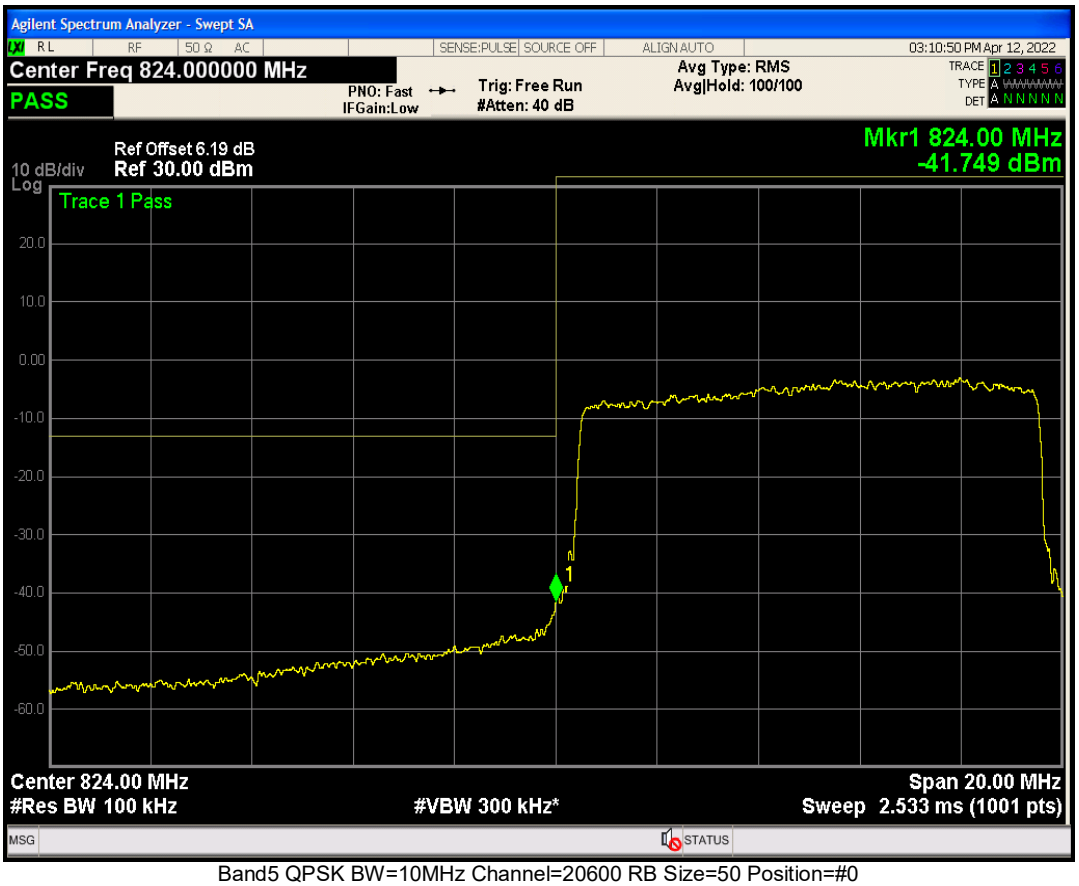
Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0

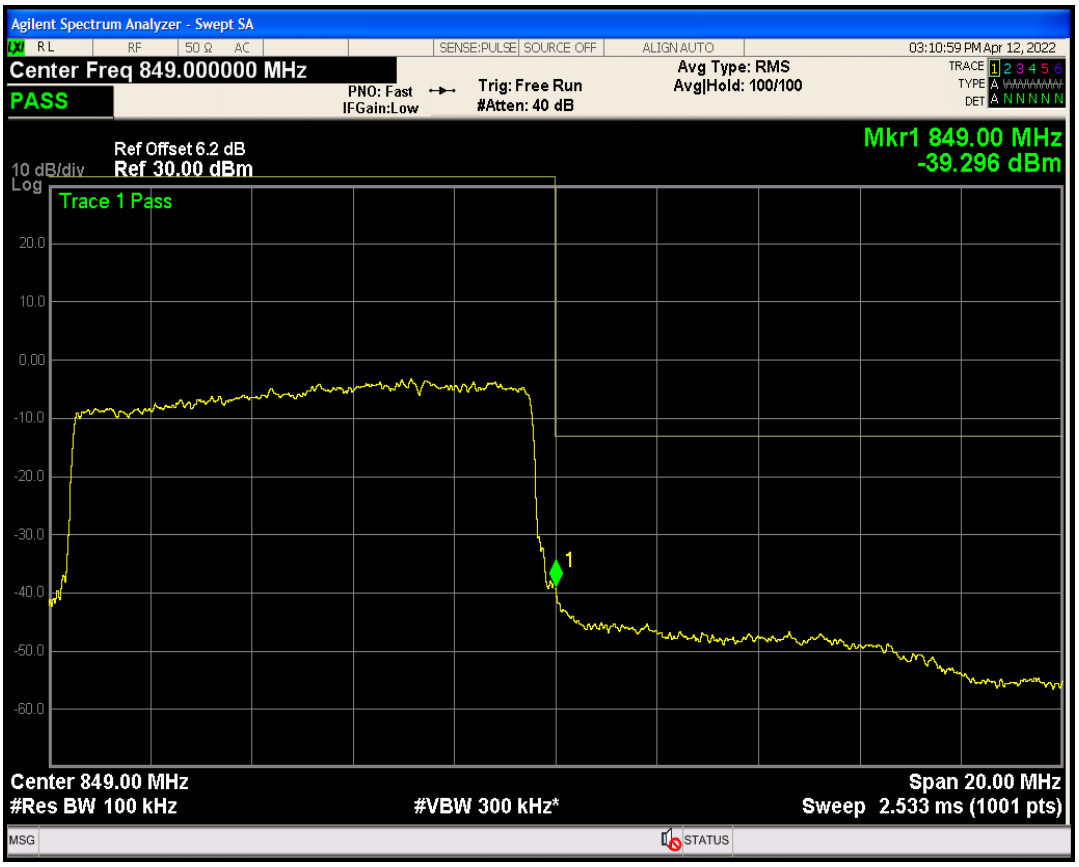


Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0

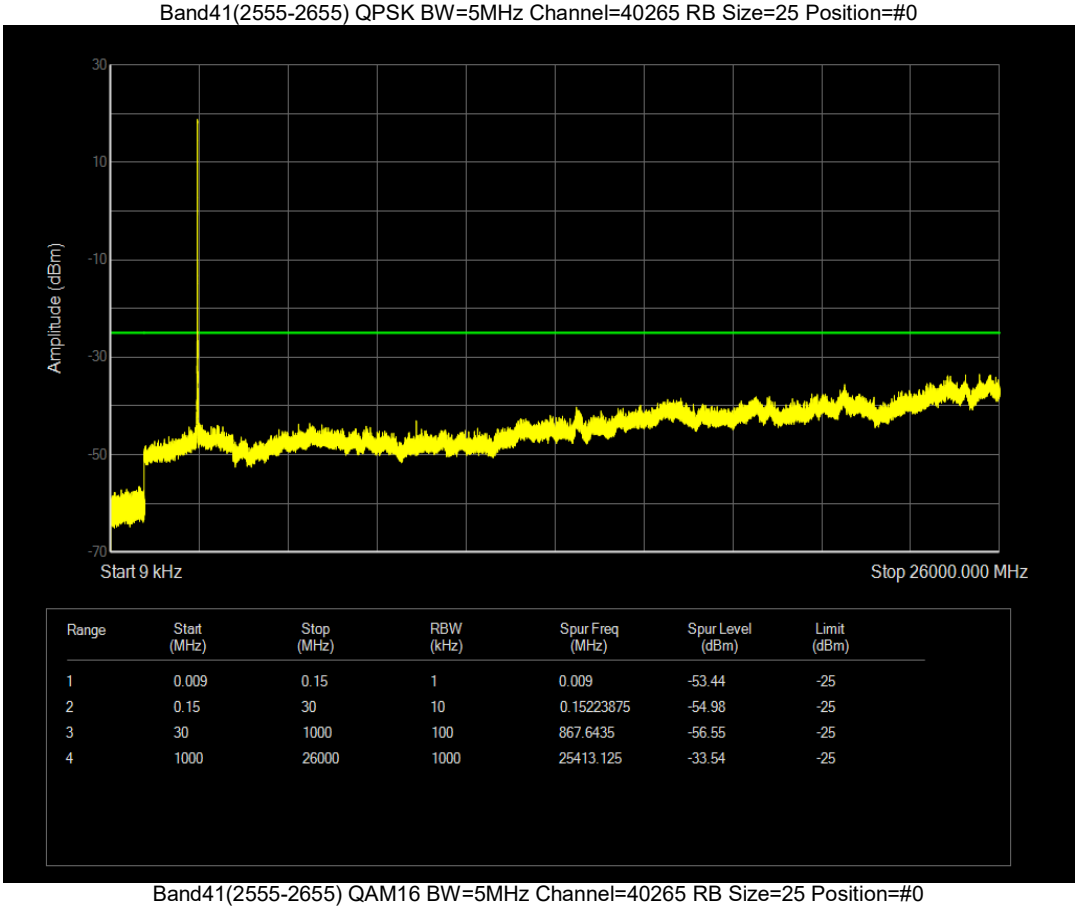
Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0


Agilent Spectrum Analyzer - Swept SA
RL
RF
50 Ω AC
SENSE:PULSE
SOURCE OFF
ALIGN AUTO
03:10:59 PM Apr 12, 2022
Center Freq 849.000000 MHz
PASS
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold: 100/100
TRACE 1 2 3 4 5 6
TYPE A
DET A N N N N N
Mkr1 849.00 MHz
-39.296 dBm
Ref Offset 6.2 dB
10 dB/div
Ref 30.00 dBm
Log
Trace 1 Pass
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
1
Center 849.00 MHz
#Res BW 100 kHz
#VBW 300 kHz*
Span 20.00 MHz
Sweep 2.533 ms (1001 pts)
MSG
STATUS

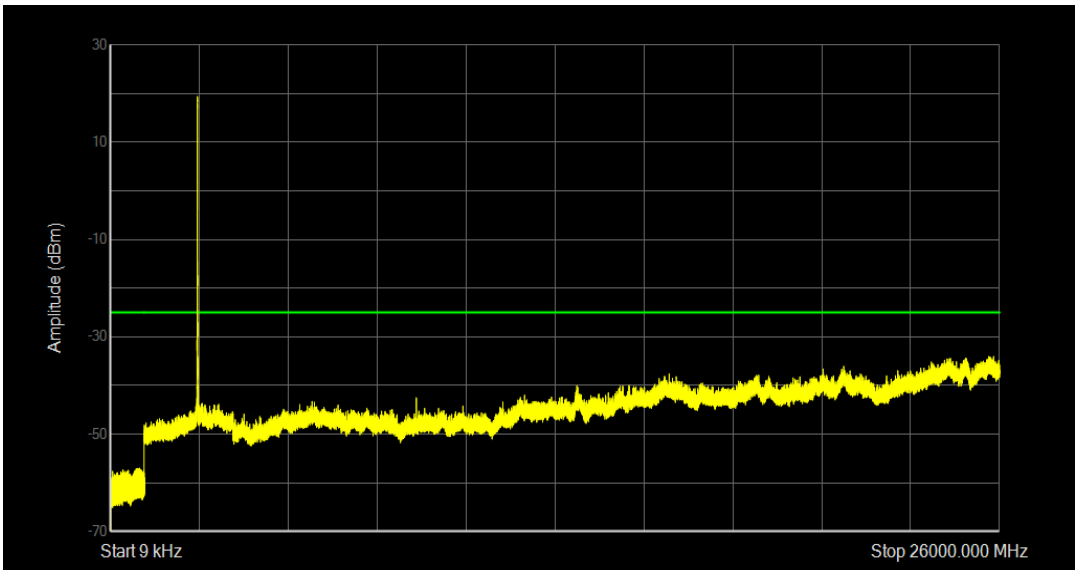
Appendix E Conducted Spurious Emission

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41(2555-2655)	5	40265	25	#0	QPSK	25413.13	-33.54	-25	PASS
Band41(2555-2655)	5	40265	25	#0	QAM16	25682.50	-34.05	-25	PASS
Band41(2555-2655)	5	41215	25	#0	QPSK	25730.63	-33.26	-25	PASS
Band41(2555-2655)	5	41215	25	#0	QAM16	24596.88	-33.02	-25	PASS
Band41(2555-2655)	10	40290	50	#0	QPSK	25058.13	-33.50	-25	PASS
Band41(2555-2655)	10	40290	50	#0	QAM16	25770.00	-33.42	-25	PASS
Band41(2555-2655)	10	41190	50	#0	QPSK	25041.25	-33.44	-25	PASS
Band41(2555-2655)	10	41190	50	#0	QAM16	25722.50	-33.45	-25	PASS
Band41(2555-2655)	15	40315	75	#0	QPSK	25687.50	-33.51	-25	PASS
Band41(2555-2655)	15	40315	75	#0	QAM16	25728.75	-33.82	-25	PASS
Band41(2555-2655)	15	41165	75	#0	QPSK	25691.25	-32.51	-25	PASS
Band41(2555-2655)	15	41165	75	#0	QAM16	25689.38	-32.59	-25	PASS
Band41(2555-2655)	20	40340	100	#0	QPSK	25724.38	-34.18	-25	PASS
Band41(2555-2655)	20	40340	100	#0	QAM16	25684.38	-33.49	-25	PASS
Band41(2555-2655)	20	41140	100	#0	QPSK	25719.38	-32.79	-25	PASS
Band41(2555-2655)	20	41140	100	#0	QAM16	25738.13	-33.20	-25	PASS
Band5	1.4	20407	6	#0	QPSK	1649.38	-18.80	-13	PASS
Band5	1.4	20407	6	#0	QAM16	1650.00	-18.33	-13	PASS
Band5	1.4	20643	6	#0	QPSK	1696.88	-19.14	-13	PASS
Band5	1.4	20643	6	#0	QAM16	1696.88	-18.95	-13	PASS
Band5	3	20415	15	#0	QPSK	1651.25	-23.40	-13	PASS
Band5	3	20415	15	#0	QAM16	1651.25	-23.52	-13	PASS
Band5	3	20635	15	#0	QPSK	1693.13	-23.54	-13	PASS
Band5	3	20635	15	#0	QAM16	1695.00	-23.80	-13	PASS
Band5	5	20425	25	#0	QPSK	1656.25	-24.82	-13	PASS
Band5	5	20425	25	#0	QAM16	1656.88	-23.89	-13	PASS
Band5	5	20625	25	#0	QPSK	1693.13	-25.20	-13	PASS
Band5	5	20625	25	#0	QAM16	1695.00	-25.47	-13	PASS
Band5	10	20450	50	#0	QPSK	1662.50	-26.65	-13	PASS
Band5	10	20450	50	#0	QAM16	1661.88	-26.83	-13	PASS
Band5	10	20600	50	#0	QPSK	1693.75	-26.08	-13	PASS
Band5	10	20600	50	#0	QAM16	1688.75	-27.20	-13	PASS

Band41(2555-2655) QPSK BW=5MHz Channel=40265 RB Size=25 Position=#0

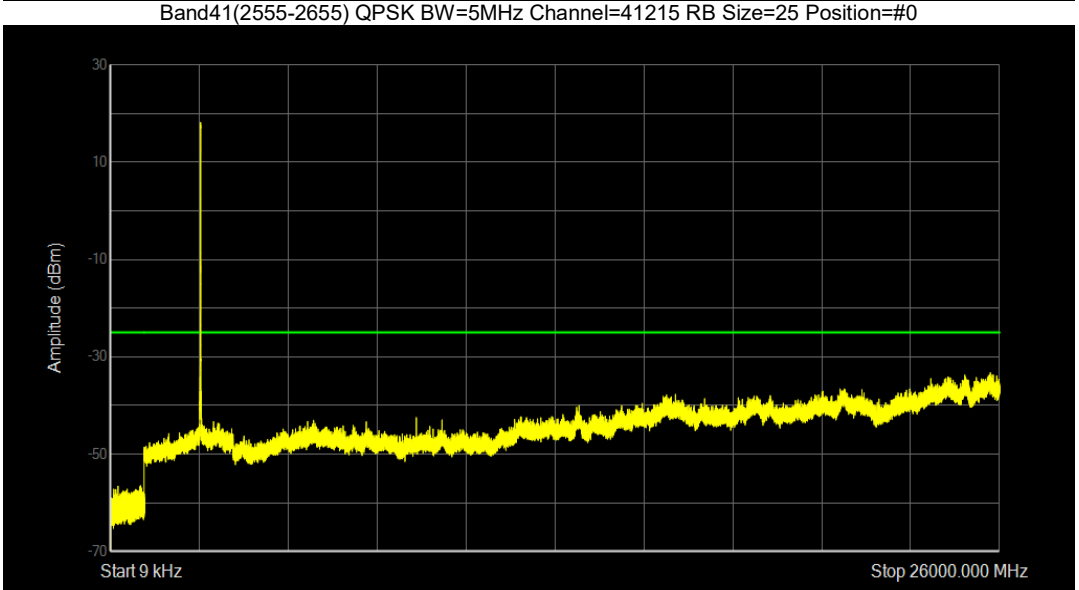


Band41(2555-2655) QAM16 BW=5MHz Channel=40265 RB Size=25 Position=#0



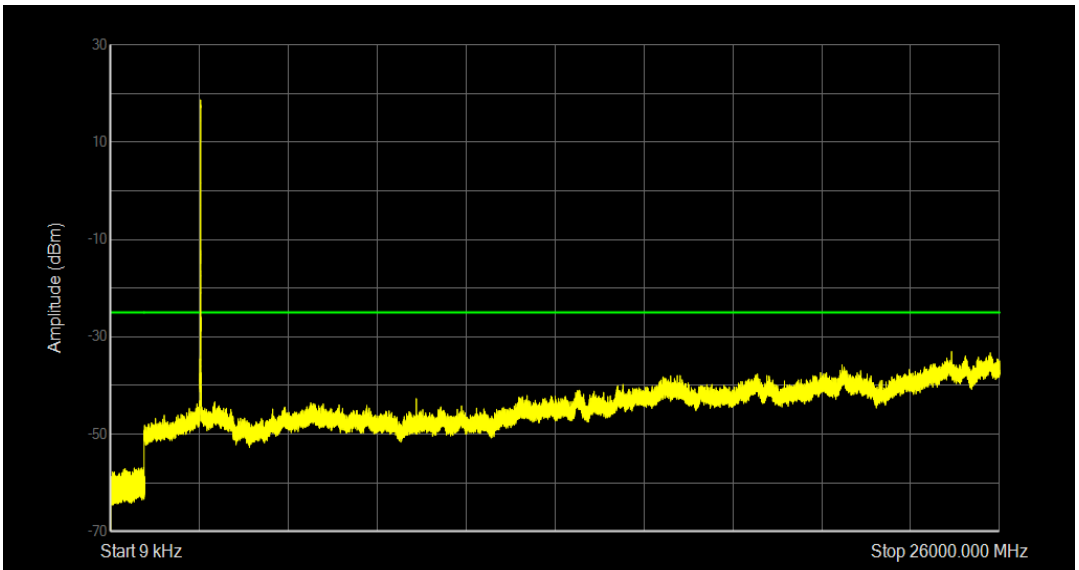
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009997575	-54.12	-25
2	0.15	30	10	0.16268625	-55.5	-25
3	30	1000	100	866.431	-56.99	-25
4	1000	26000	1000	25682.5	-34.05	-25

Band41(2555-2655) QPSK BW=5MHz Channel=41215 RB Size=25 Position=#0



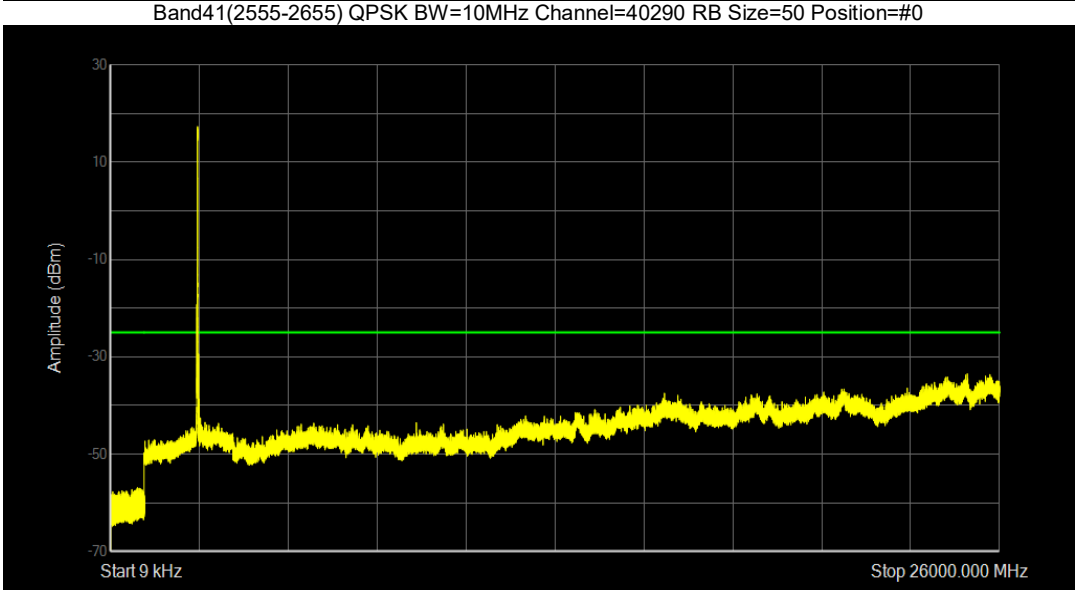
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00914805	-54.12	-25
2	0.15	30	10	0.51417	-55.88	-25
3	30	1000	100	897.568	-56.48	-25
4	1000	26000	1000	25730.625	-33.26	-25

Band41(2555-2655) QAM16 BW=5MHz Channel=41215 RB Size=25 Position=#0



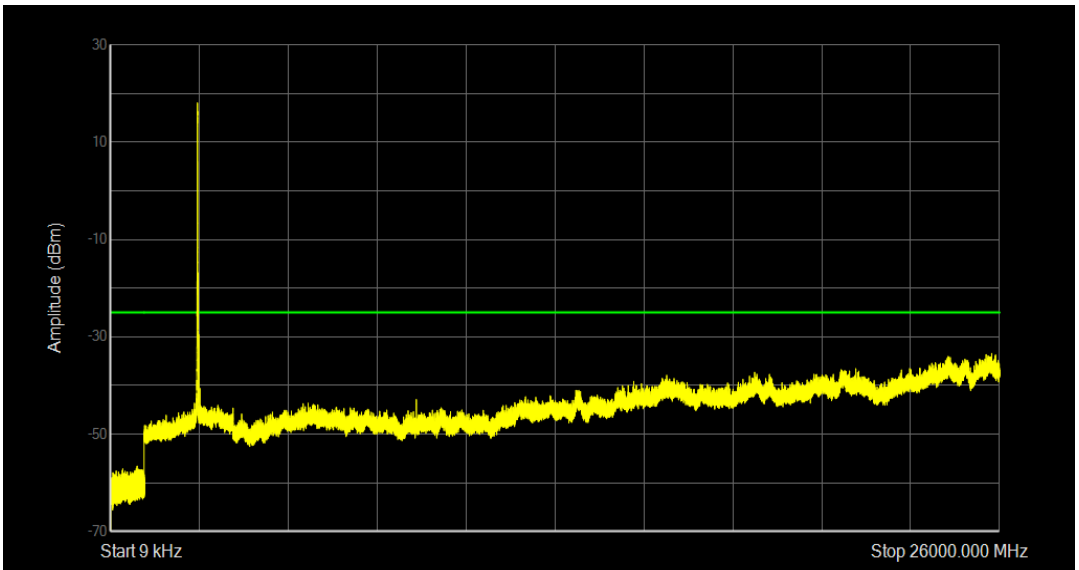
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-53	-25
2	0.15	30	10	0.15	-55.27	-25
3	30	1000	100	989.83925	-56.82	-25
4	1000	26000	1000	24596.875	-33.02	-25

Band41(2555-2655) QPSK BW=10MHz Channel=40290 RB Size=50 Position=#0



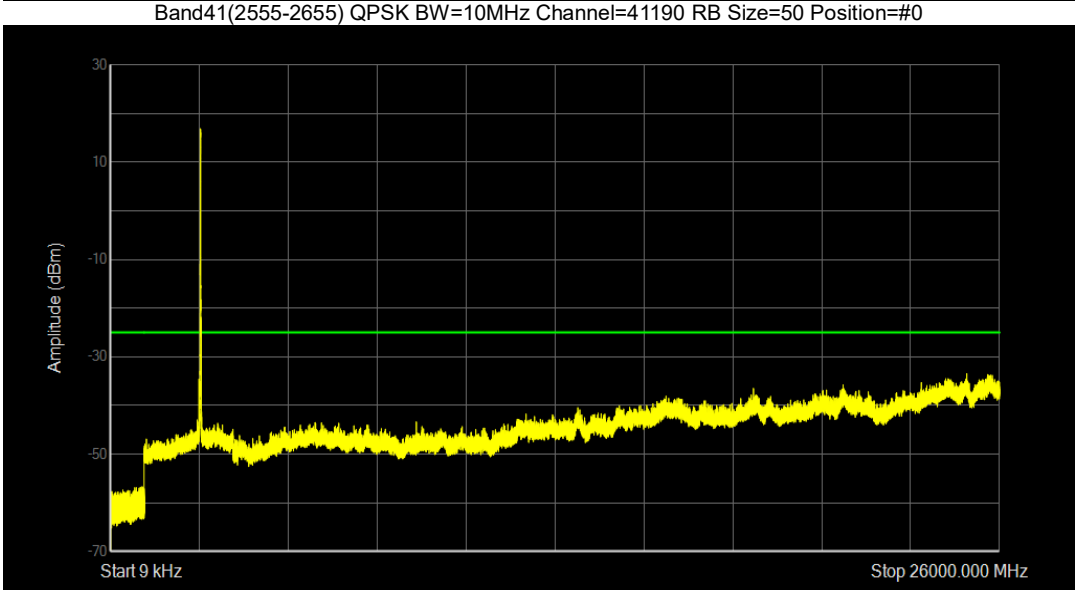
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00909165	-53.19	-25
2	0.15	30	10	0.1514925	-56.82	-25
3	30	1000	100	805.0785	-56.91	-25
4	1000	26000	1000	25058.125	-33.5	-25

Band41(2555-2655) QAM16 BW=10MHz Channel=40290 RB Size=50 Position=#0



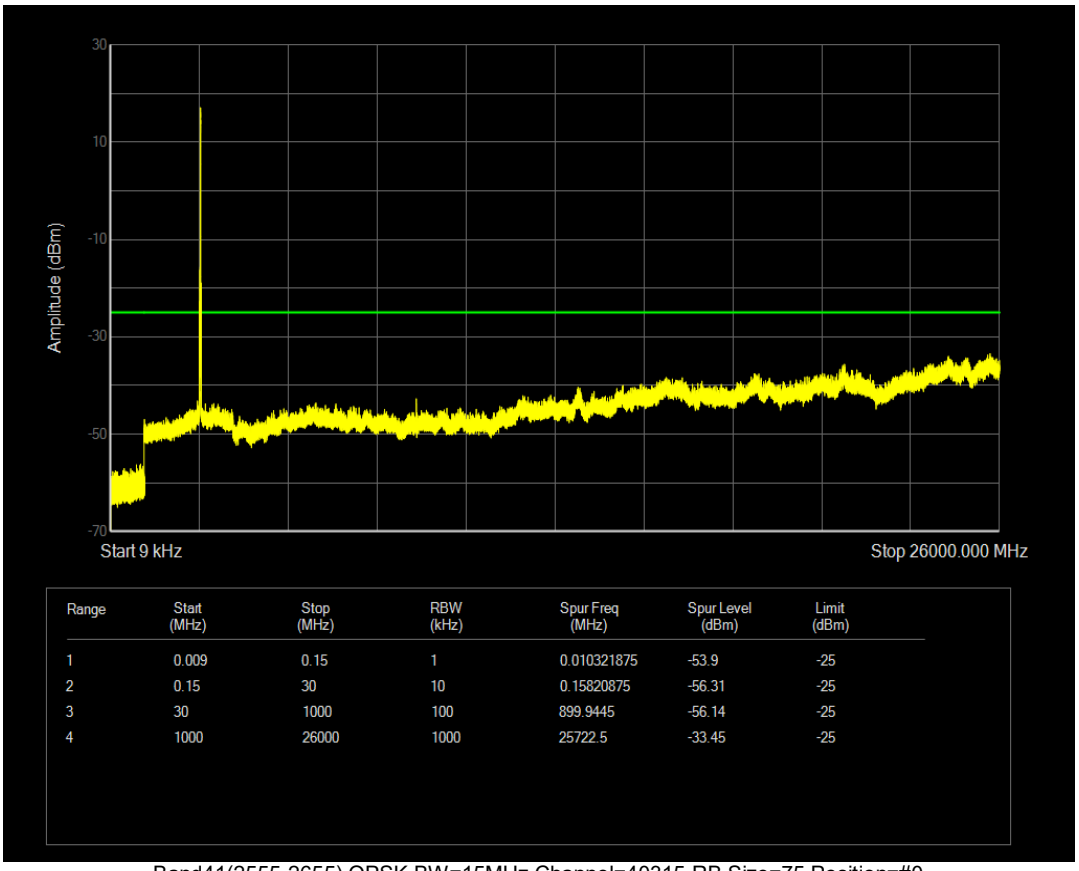
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009461775	-53.88	-25
2	0.15	30	10	0.15	-55.83	-25
3	30	1000	100	796.85775	-56.58	-25
4	1000	26000	1000	25770	-33.42	-25

Band41(2555-2655) QPSK BW=10MHz Channel=41190 RB Size=50 Position=#0



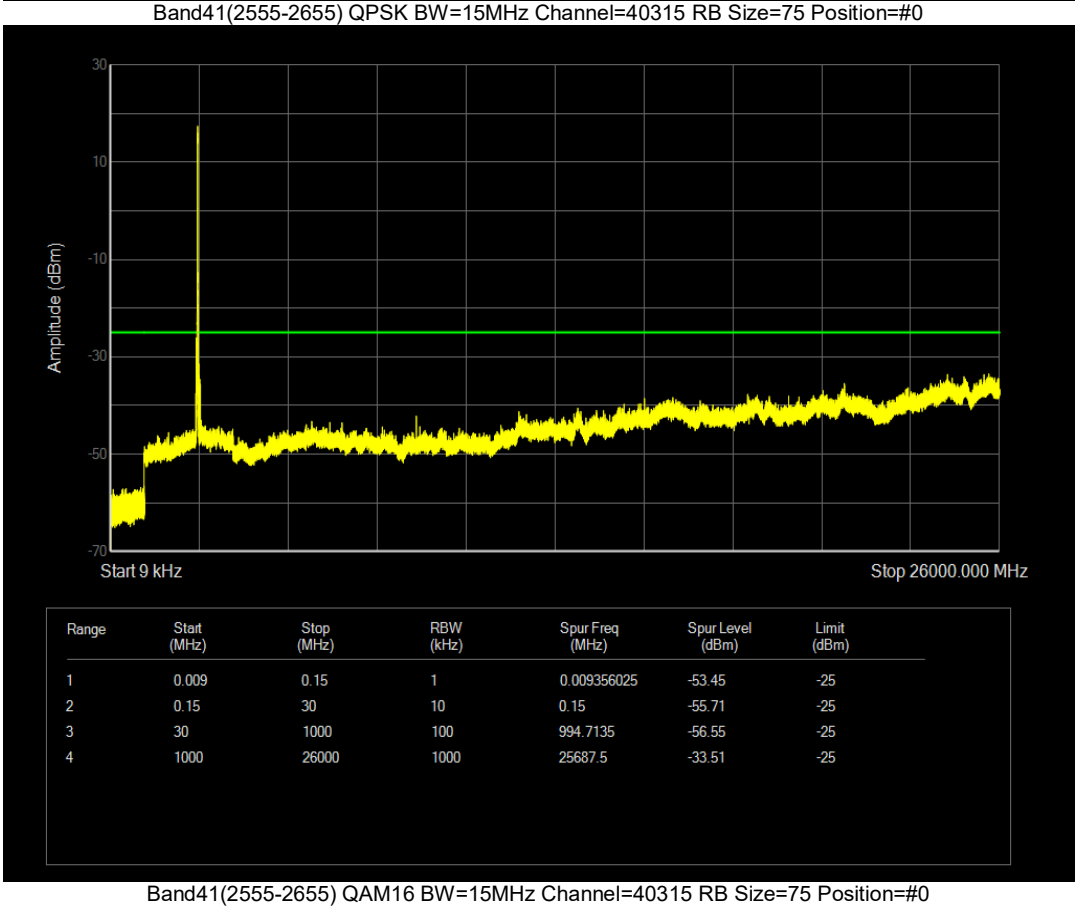
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00940185	-54.33	-25
2	0.15	30	10	0.152985	-56.1	-25
3	30	1000	100	943.27925	-56.7	-25
4	1000	26000	1000	25041.25	-33.44	-25

Band41(2555-2655) QAM16 BW=10MHz Channel=41190 RB Size=50 Position=#0



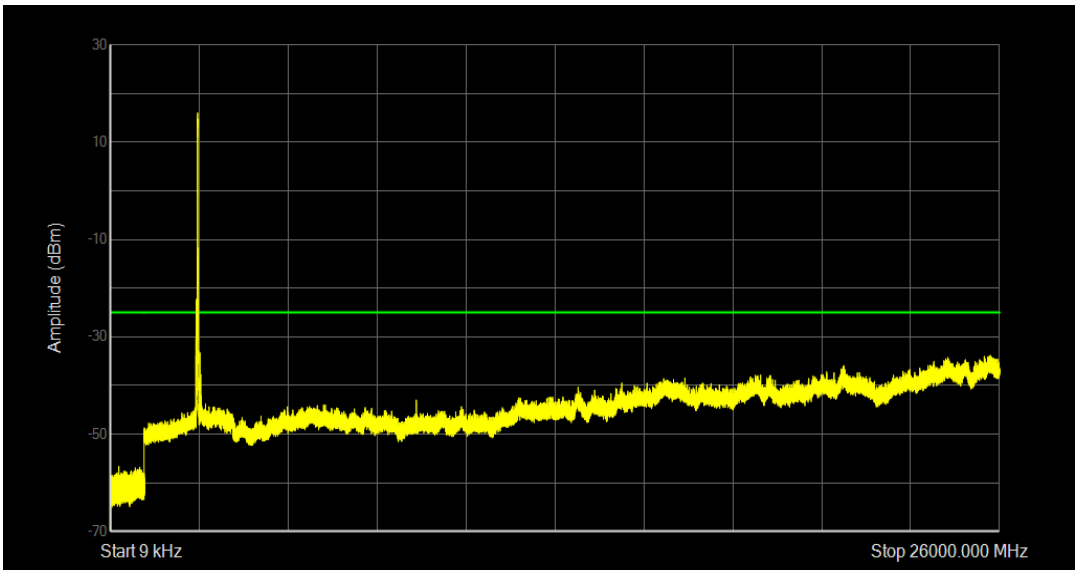
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010321875	-53.9	-25
2	0.15	30	10	0.15820875	-56.31	-25
3	30	1000	100	899.9445	-56.14	-25
4	1000	26000	1000	25722.5	-33.45	-25

Band41(2555-2655) QPSK BW=15MHz Channel=40315 RB Size=75 Position=#0



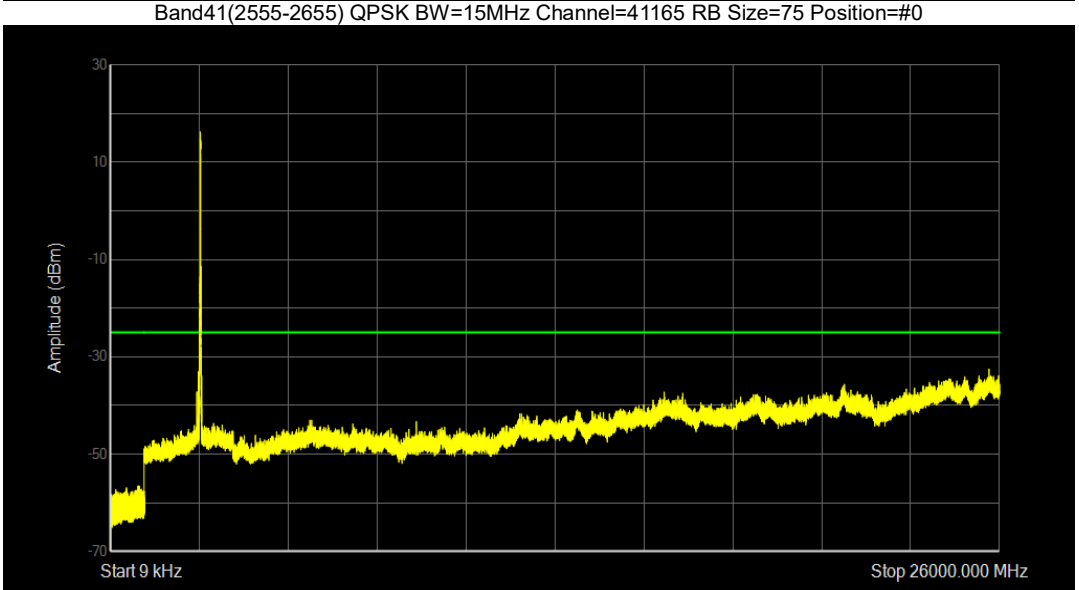
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009356025	-53.45	-25
2	0.15	30	10	0.15	-55.71	-25
3	30	1000	100	994.7135	-56.55	-25
4	1000	26000	1000	25687.5	-33.51	-25

Band41(2555-2655) QAM16 BW=15MHz Channel=40315 RB Size=75 Position=#0



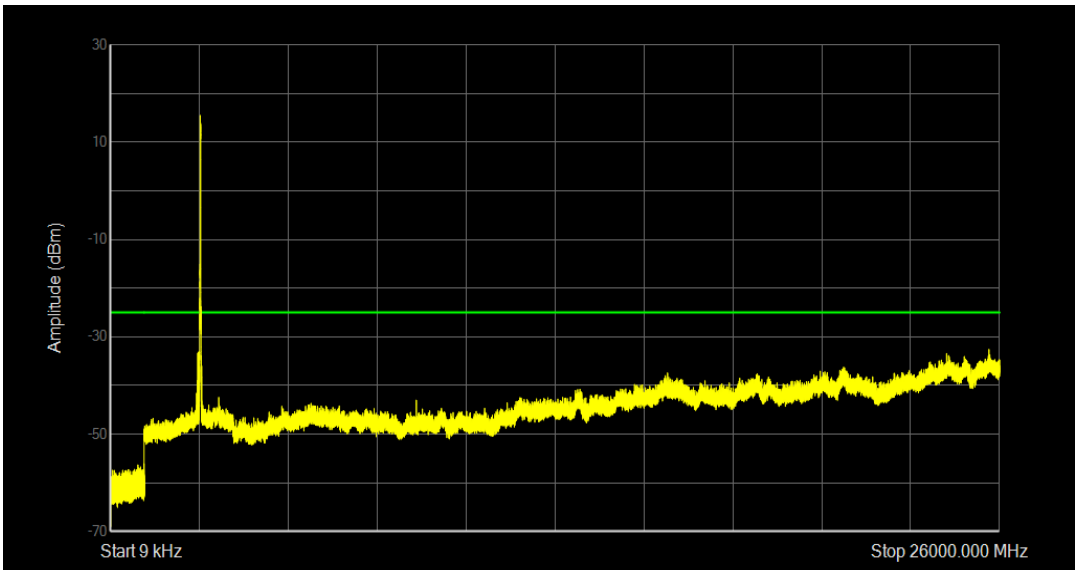
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011534475	-52.12	-25
2	0.15	30	10	0.15	-56.62	-25
3	30	1000	100	263.55175	-56.64	-25
4	1000	26000	1000	25728.75	-33.82	-25

Band41(2555-2655) QPSK BW=15MHz Channel=41165 RB Size=75 Position=#0



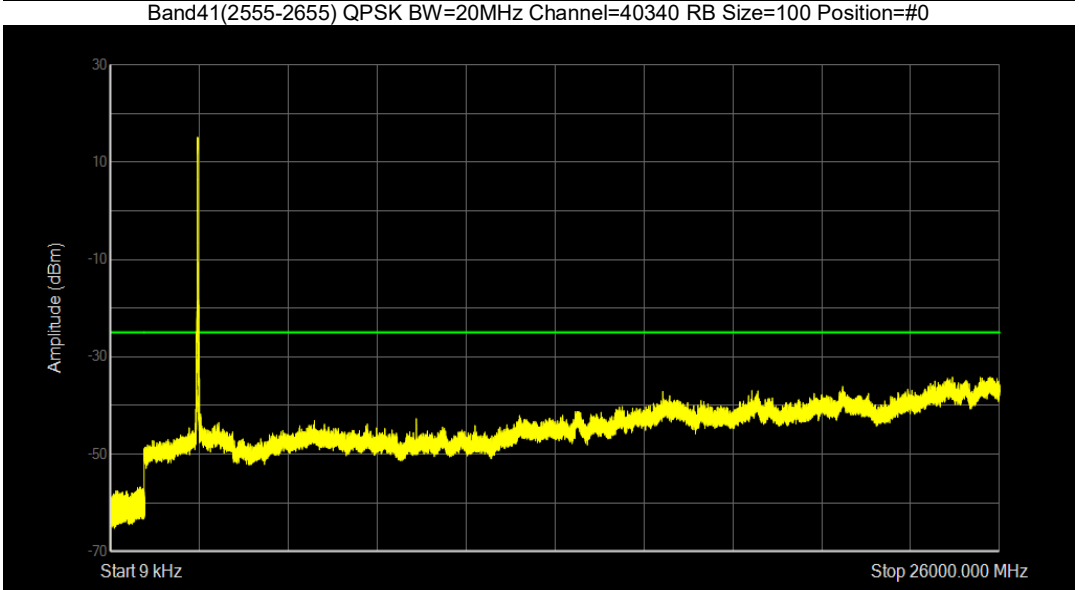
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009370125	-53.53	-25
2	0.15	30	10	0.51417	-56.31	-25
3	30	1000	100	844.897	-56.5	-25
4	1000	26000	1000	25691.25	-32.51	-25

Band41(2555-2655) QAM16 BW=15MHz Channel=41165 RB Size=75 Position=#0



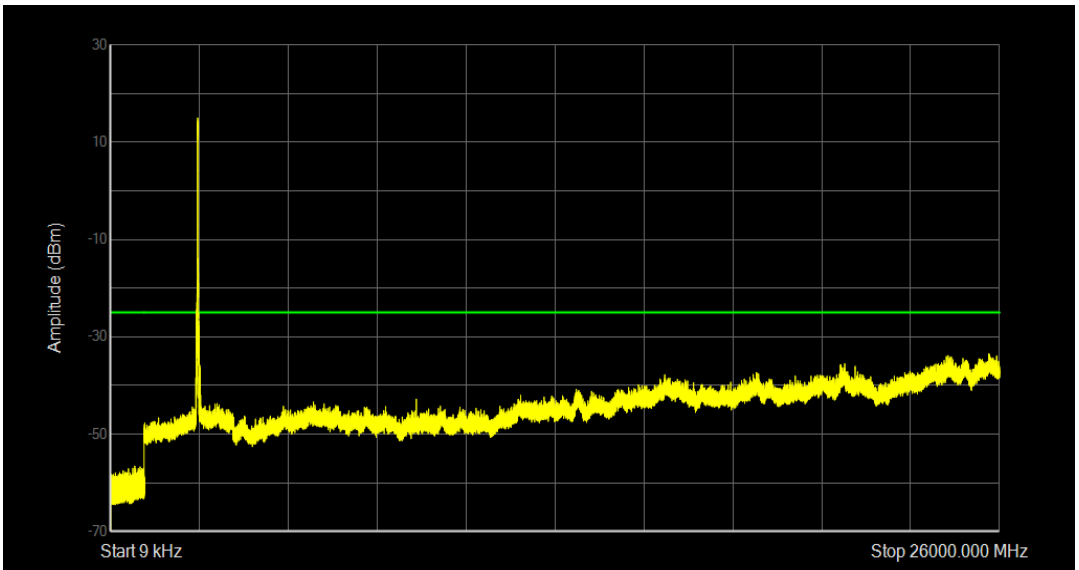
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096486	-52.92	-25
2	0.15	30	10	0.1574625	-55.85	-25
3	30	1000	100	995.75625	-56.09	-25
4	1000	26000	1000	25689.375	-32.59	-25

Band41(2555-2655) QPSK BW=20MHz Channel=40340 RB Size=100 Position=#0



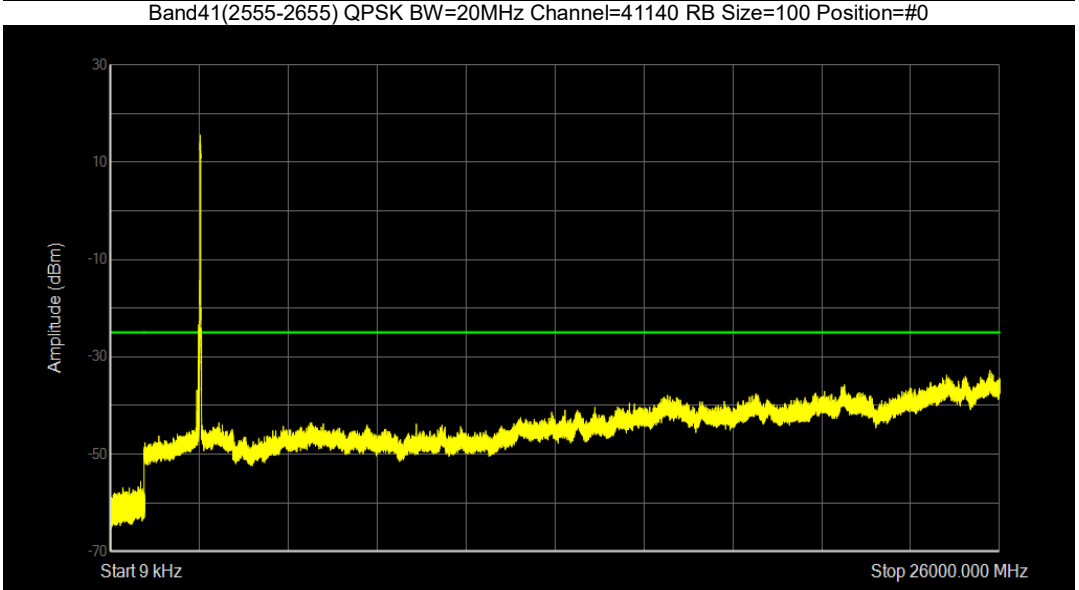
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00950055	-54.02	-25
2	0.15	30	10	0.15	-56.14	-25
3	30	1000	100	889.1775	-56.75	-25
4	1000	26000	1000	25724.375	-34.18	-25

Band41(2555-2655) QAM16 BW=20MHz Channel=40340 RB Size=100 Position=#0



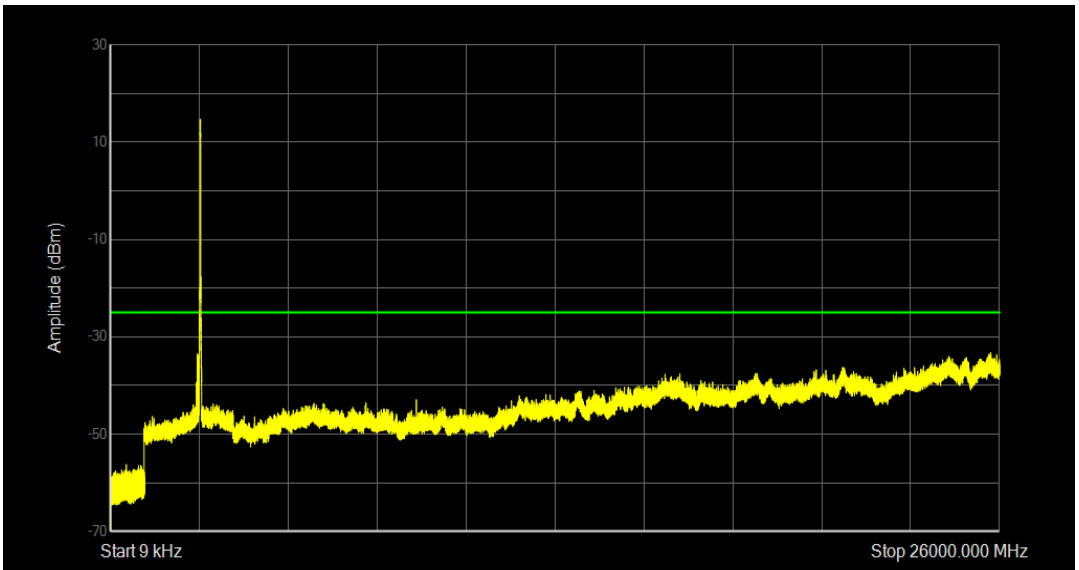
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009066975	-54.41	-25
2	0.15	30	10	0.15223875	-56.65	-25
3	30	1000	100	726.6055	-56.57	-25
4	1000	26000	1000	25684.375	-33.49	-25

Band41(2555-2655) QPSK BW=20MHz Channel=41140 RB Size=100 Position=#0



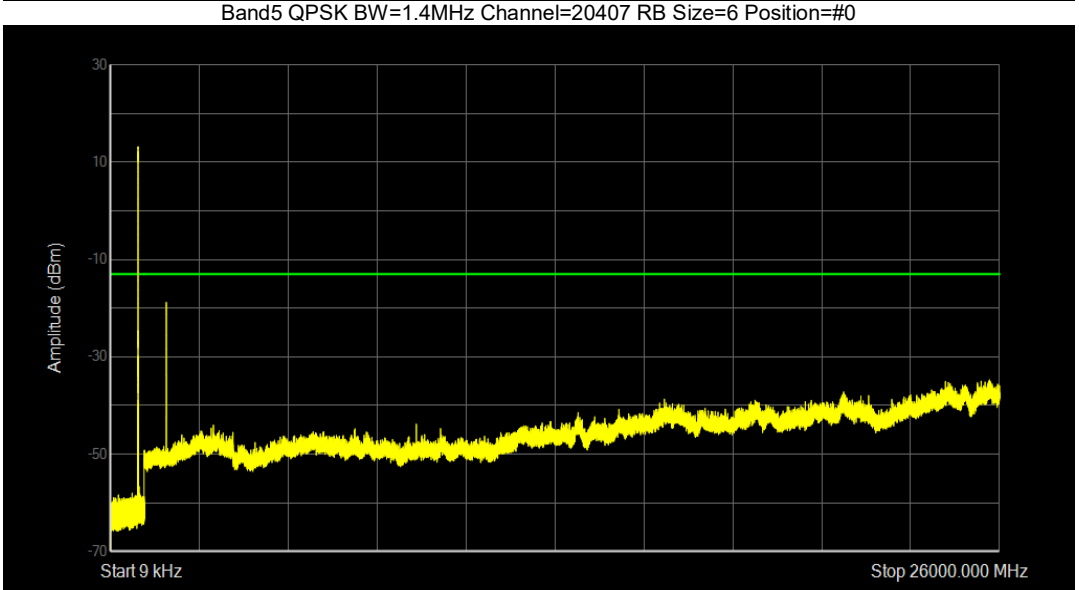
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00990945	-52.55	-25
2	0.15	30	10	0.51342375	-56.99	-25
3	30	1000	100	899.411	-55.62	-25
4	1000	26000	1000	25719.375	-32.79	-25

Band41(2555-2655) QAM16 BW=20MHz Channel=41140 RB Size=100 Position=#0



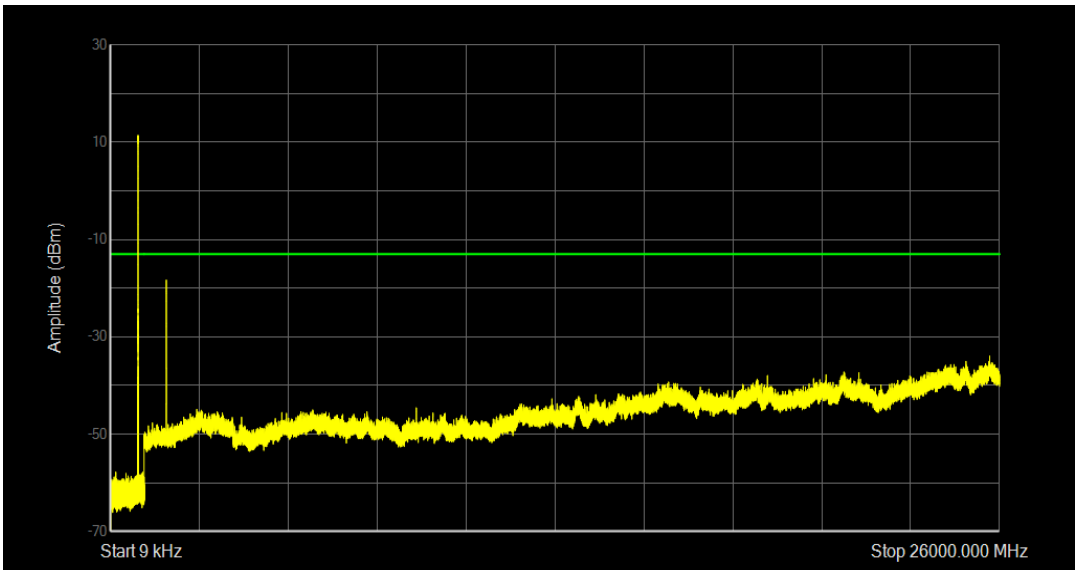
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-54.25	-25
2	0.15	30	10	0.1514925	-56.1	-25
3	30	1000	100	480.274	-56.27	-25
4	1000	26000	1000	25738.125	-33.2	-25

Band5 QPSK BW=1.4MHz Channel=20407 RB Size=6 Position=#0



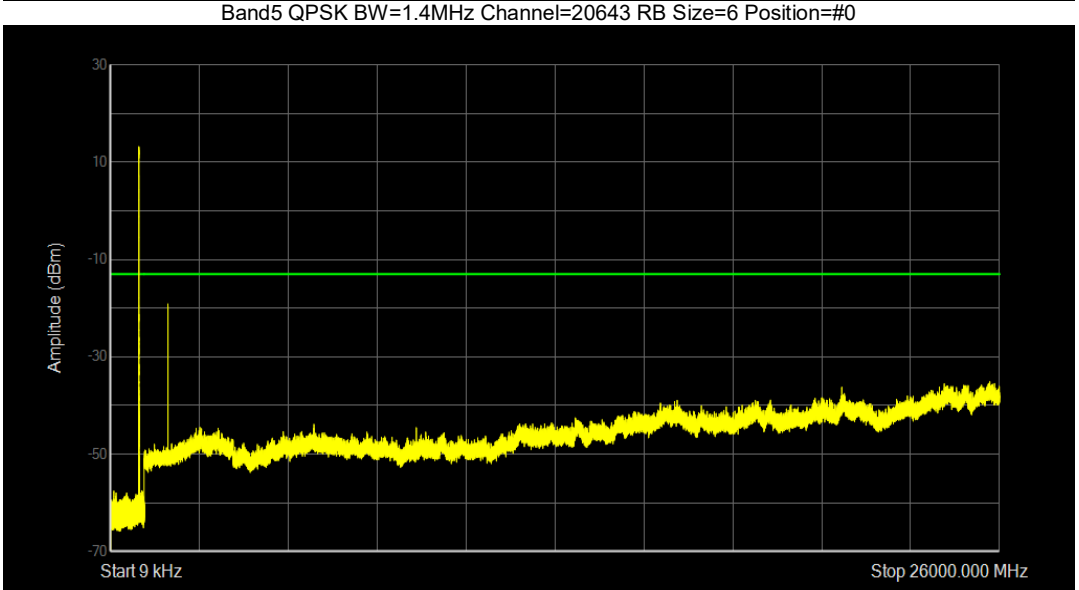
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011964525	-53.77	-13
2	0.15	30	10	0.1514925	-54.72	-13
3	30	1000	100	818.3675	-53.53	-13
4	1000	26000	1000	1649.375	-18.8	-13

Band5 QAM16 BW=1.4MHz Channel=20407 RB Size=6 Position=#0



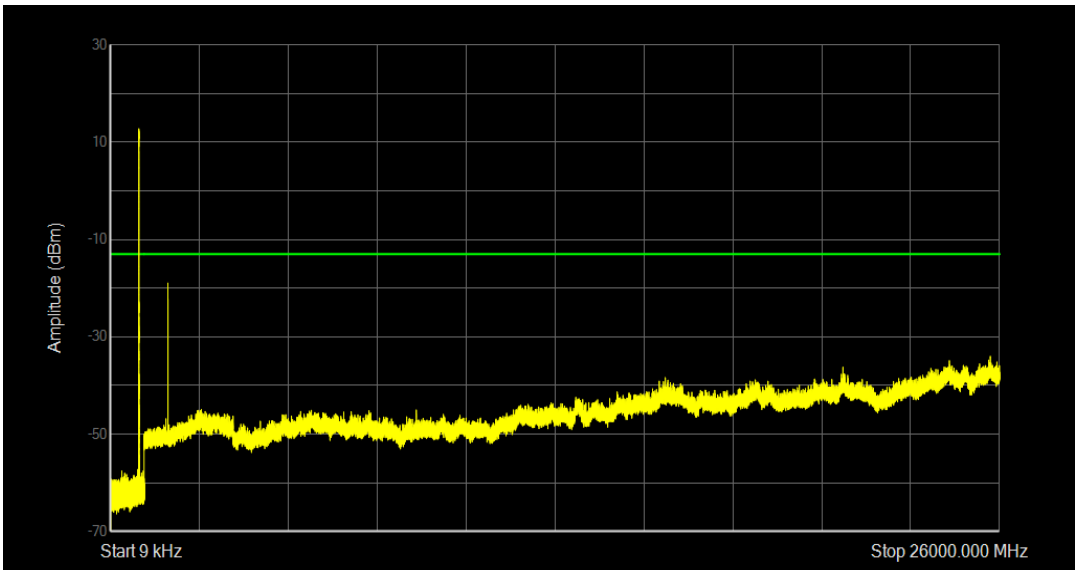
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009	-53.4	-13
2	0.15	30	10	0.15671625	-55.22	-13
3	30	1000	100	173.8995	-57.79	-13
4	1000	26000	1000	1650	-18.33	-13

Band5 QPSK BW=1.4MHz Channel=20643 RB Size=6 Position=#0



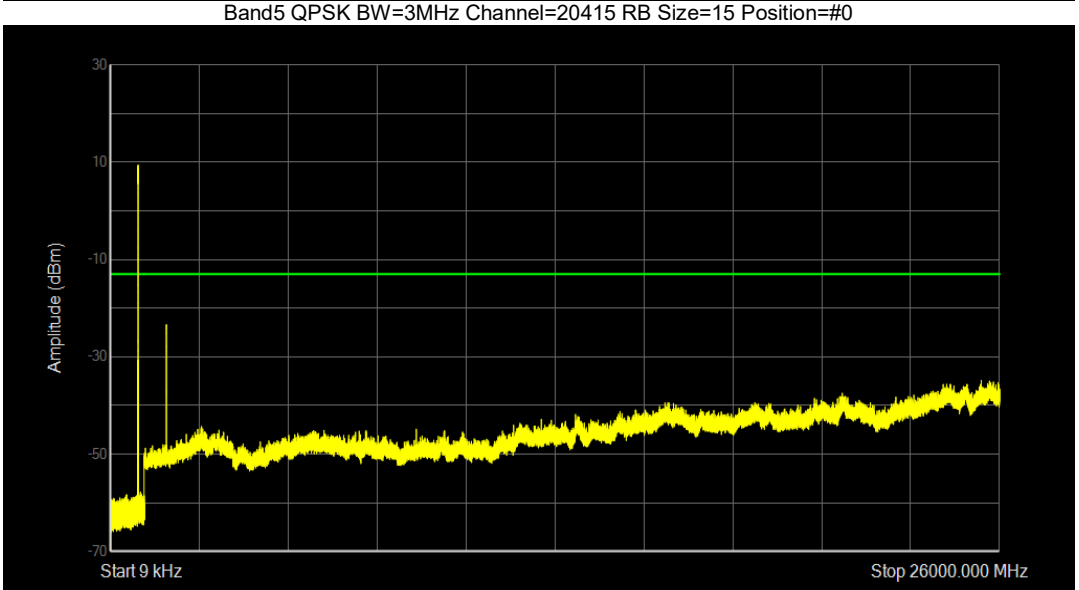
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011499225	-53.14	-13
2	0.15	30	10	0.51790125	-53.35	-13
3	30	1000	100	936.73175	-57.51	-13
4	1000	26000	1000	1696.875	-19.14	-13

Band5 QAM16 BW=1.4MHz Channel=20643 RB Size=6 Position=#0



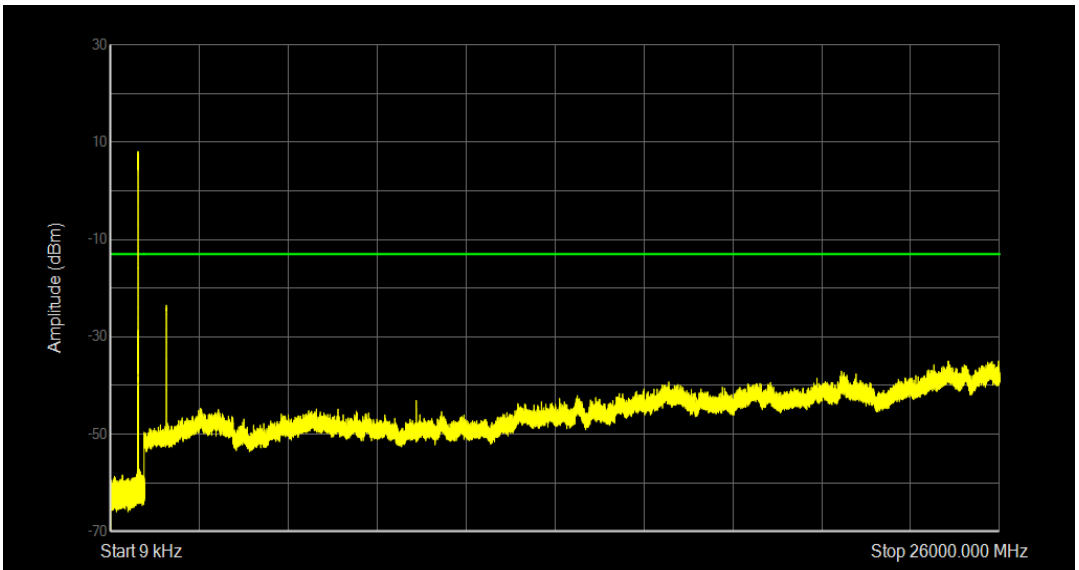
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00954285	-51.65	-13
2	0.15	30	10	0.15	-53.26	-13
3	30	1000	100	818.0765	-57.26	-13
4	1000	26000	1000	1696.875	-18.95	-13

Band5 QPSK BW=3MHz Channel=20415 RB Size=15 Position=#0



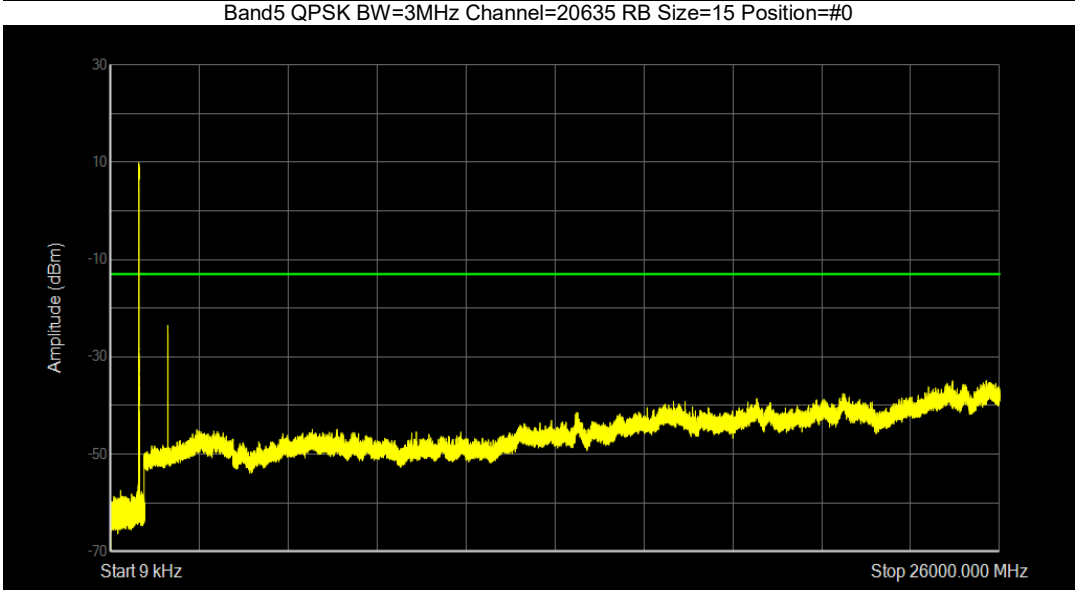
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.011872875	-54.15	-13
2	0.15	30	10	0.51417	-55.8	-13
3	30	1000	100	899.2655	-57.8	-13
4	1000	26000	1000	1651.25	-23.4	-13

Band5 QAM16 BW=3MHz Channel=20415 RB Size=15 Position=#0



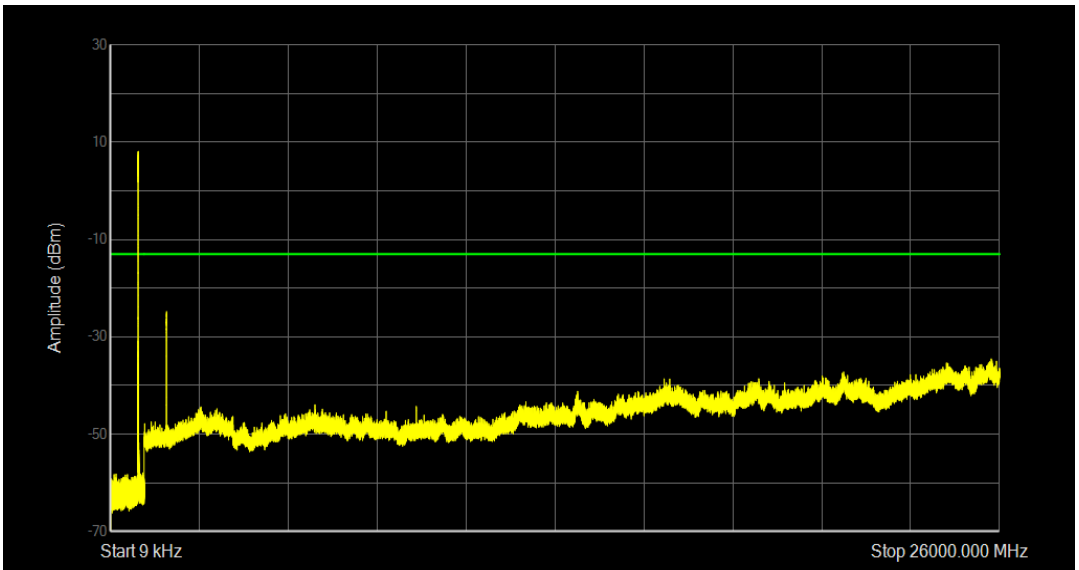
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.00999405	-54.68	-13
2	0.15	30	10	0.51417	-56.2	-13
3	30	1000	100	861.12025	-57.23	-13
4	1000	26000	1000	1651.25	-23.52	-13

Band5 QPSK BW=3MHz Channel=20635 RB Size=15 Position=#0



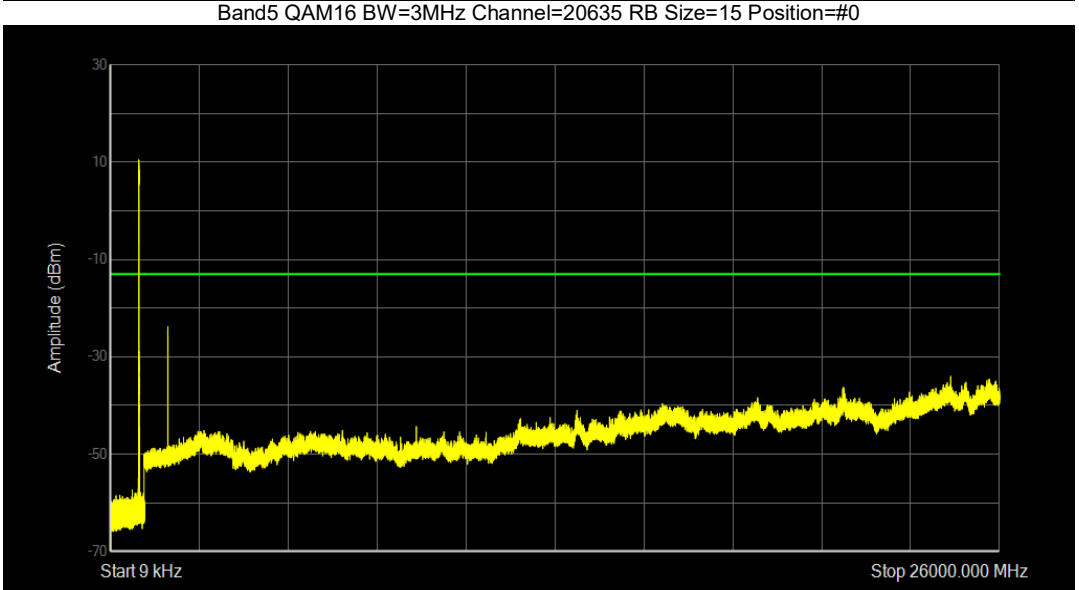
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0098742	-53.76	-13
2	0.15	30	10	0.152985	-54.83	-13
3	30	1000	100	316.1985	-57.46	-13
4	1000	26000	1000	1693.125	-23.54	-13

Band5 QPSK BW=5MHz Channel=20425 RB Size=25 Position=#0



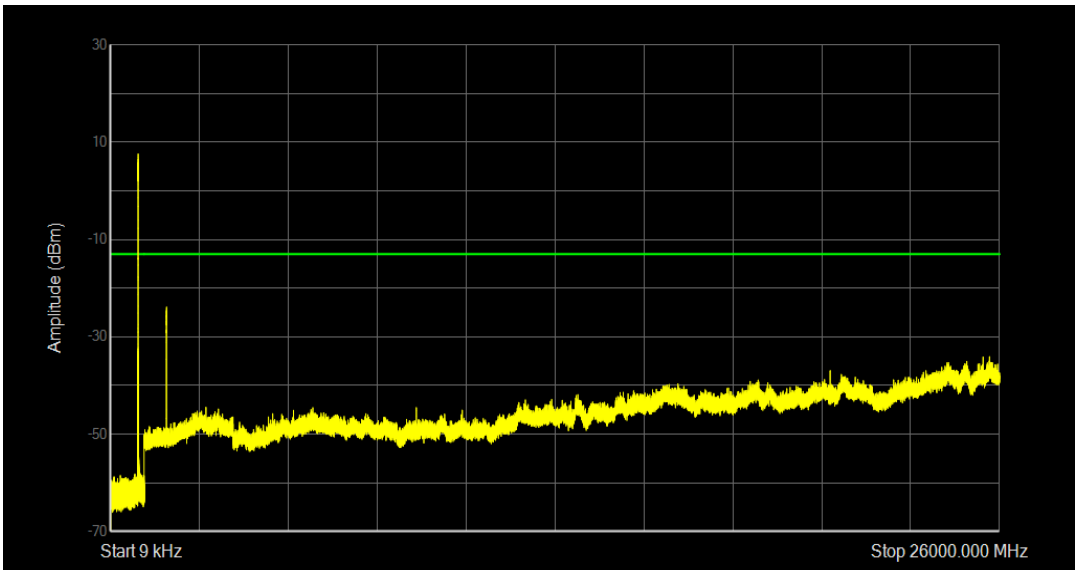
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010251375	-53.99	-13
2	0.15	30	10	0.51417	-55.87	-13
3	30	1000	100	963.50375	-57.96	-13
4	1000	26000	1000	1656.25	-24.82	-13

Band5 QAM16 BW=3MHz Channel=20635 RB Size=15 Position=#0



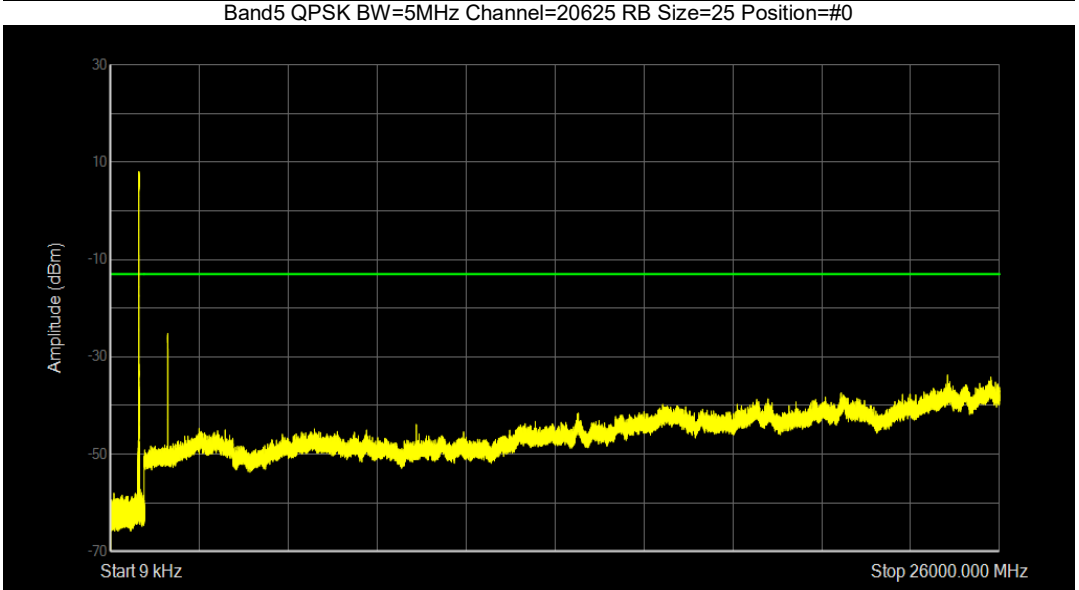
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.010209075	-54.71	-13
2	0.15	30	10	0.51491625	-55.93	-13
3	30	1000	100	869.3895	-56.88	-13
4	1000	26000	1000	1695	-23.8	-13

Band5 QAM16 BW=5MHz Channel=20425 RB Size=25 Position=#0



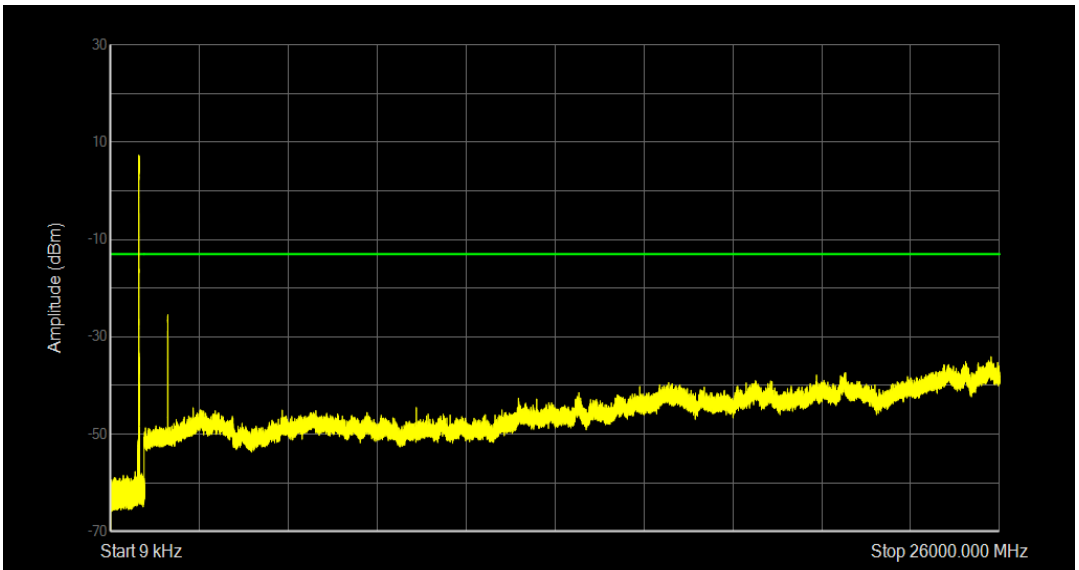
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0090282	-53.89	-13
2	0.15	30	10	0.51417	-56.34	-13
3	30	1000	100	873.609	-58	-13
4	1000	26000	1000	1656.875	-23.89	-13

Band5 QPSK BW=5MHz Channel=20625 RB Size=25 Position=#0



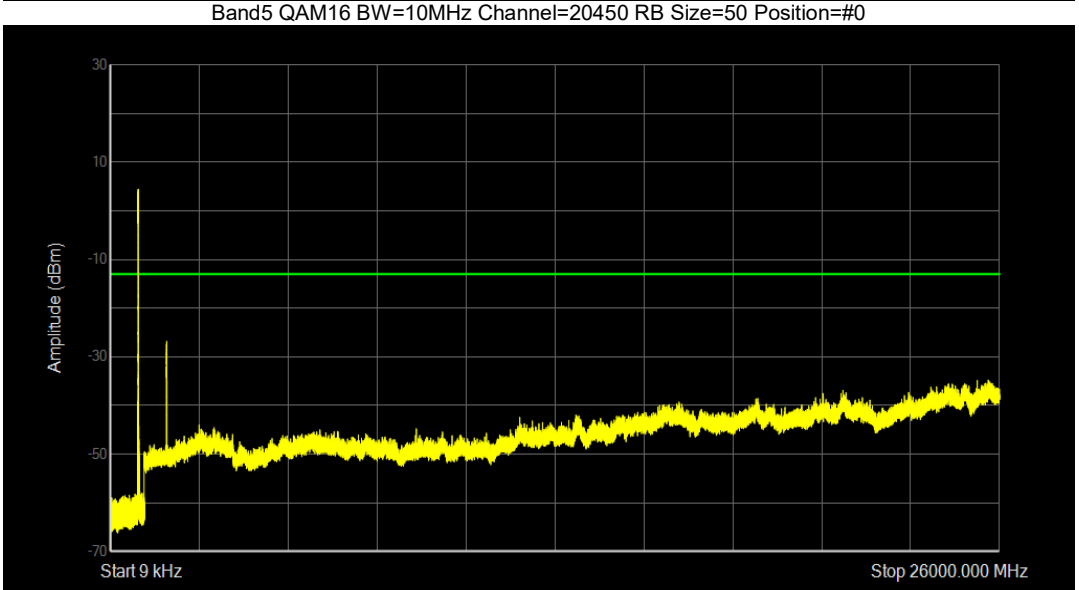
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0096345	-53.46	-13
2	0.15	30	10	0.51417	-55.96	-13
3	30	1000	100	884.6185	-57.22	-13
4	1000	26000	1000	1693.125	-25.2	-13

Band5 QAM16 BW=5MHz Channel=20625 RB Size=25 Position=#0



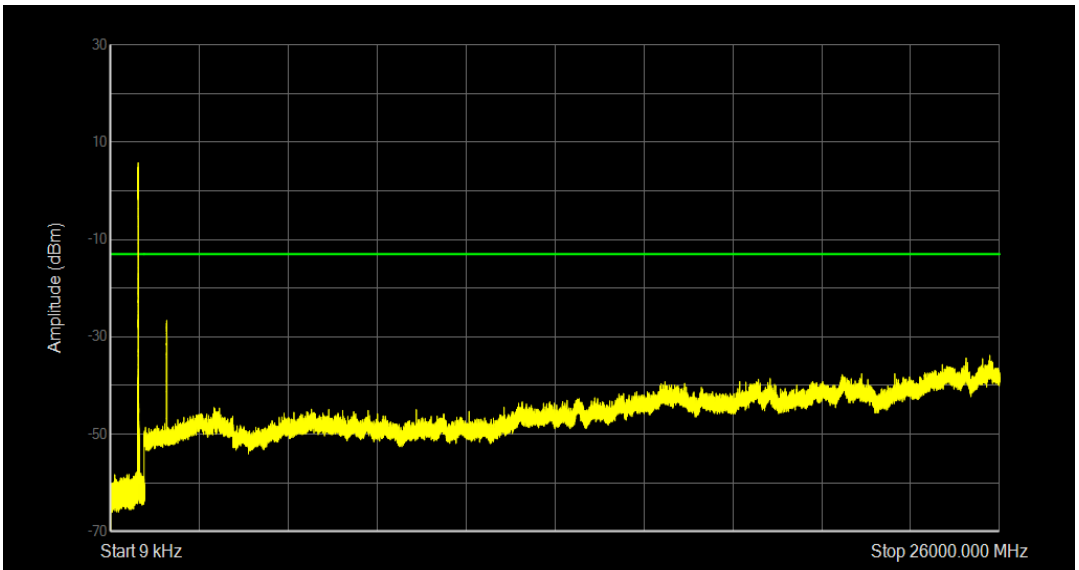
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009461775	-53.8	-13
2	0.15	30	10	0.152985	-55.03	-13
3	30	1000	100	741.6405	-57.69	-13
4	1000	26000	1000	1695	-25.47	-13

Band5 QAM16 BW=10MHz Channel=20450 RB Size=50 Position=#0



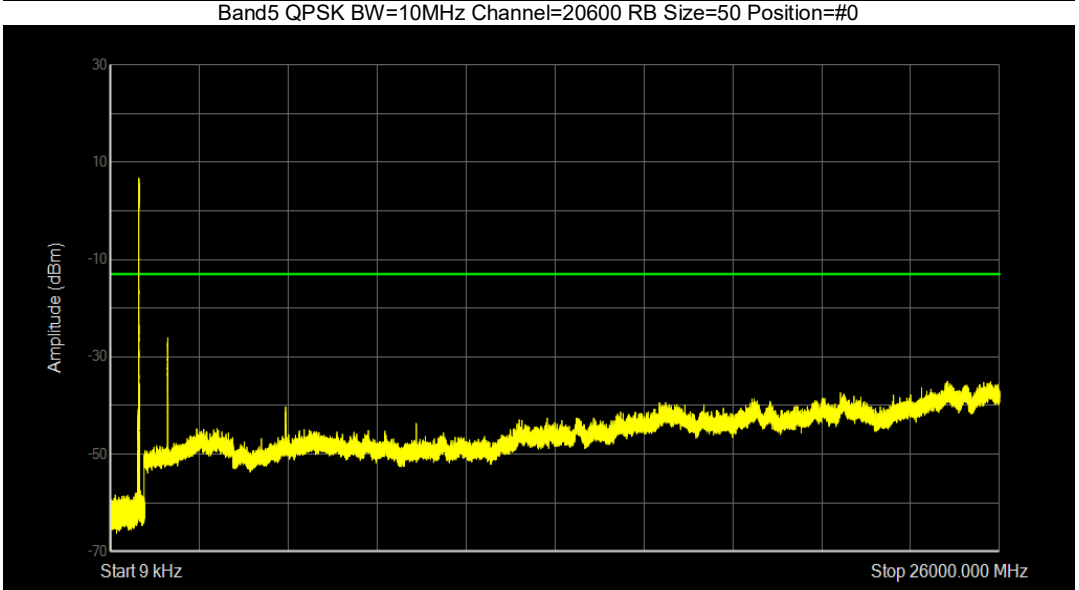
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.0102267	-53.71	-13
2	0.15	30	10	0.51491625	-56.54	-13
3	30	1000	100	930.81475	-58.08	-13
4	1000	26000	1000	1661.875	-26.83	-13

Band5 QPSK BW=10MHz Channel=20450 RB Size=50 Position=#0



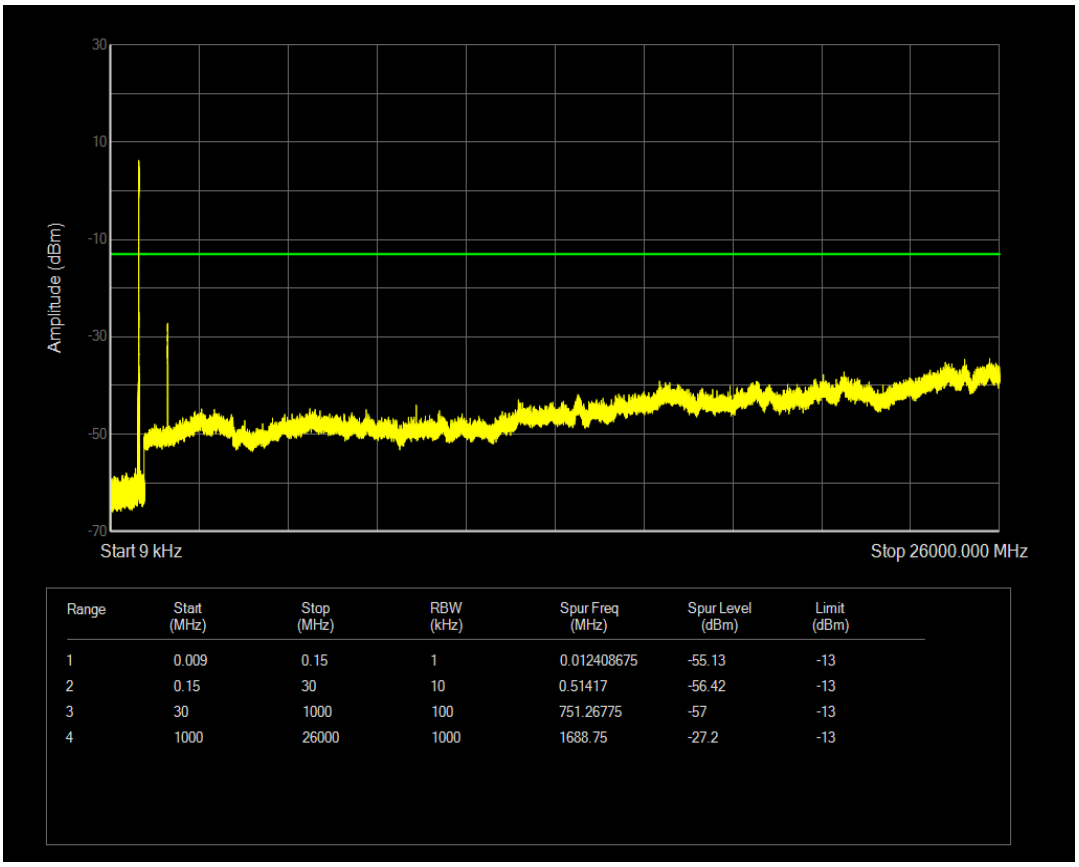
Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.009891825	-55.49	-13
2	0.15	30	10	0.51417	-56.65	-13
3	30	1000	100	763.63525	-58	-13
4	1000	26000	1000	1662.5	-26.65	-13

Band5 QPSK BW=10MHz Channel=20600 RB Size=50 Position=#0



Range	Start (MHz)	Stop (MHz)	RBW (kHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)
1	0.009	0.15	1	0.01000815	-55.69	-13
2	0.15	30	10	0.51193125	-56.58	-13
3	30	1000	100	743.9685	-58.09	-13
4	1000	26000	1000	1693.75	-26.08	-13

Band5 QAM16 BW=10MHz Channel=20600 RB Size=50 Position=#0



Appendix F: Frequency Stability

Band 5
Channel Bandwidth: 1.4 MHz

Channel Bandwidth: 1.4MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.79	-0.000958	± 2.5	PASS
		VN	TN	4.56	0.005529	± 2.5	PASS
		VH	TN	-0.45	-0.000546	± 2.5	PASS
	MCH	VL	TN	0.93	0.001112	± 2.5	PASS
		VN	TN	4.87	0.005822	± 2.5	PASS
		VH	TN	0.3	0.000359	± 2.5	PASS
	HCH	VL	TN	2.07	0.002440	± 2.5	PASS
		VN	TN	0.73	0.000861	± 2.5	PASS
		VH	TN	2.26	0.002664	± 2.5	PASS
16QAM	LCH	VL	TN	0.42	0.000509	± 2.5	PASS
		VN	TN	-0.25	-0.000303	± 2.5	PASS
		VH	TN	3.46	0.004195	± 2.5	PASS
	MCH	VL	TN	1.43	0.001710	± 2.5	PASS
		VN	TN	-1.33	-0.001590	± 2.5	PASS
		VH	TN	-0.99	-0.001184	± 2.5	PASS
	HCH	VL	TN	3.47	0.004091	± 2.5	PASS
		VN	TN	2.37	0.002794	± 2.5	PASS
		VH	TN	4.3	0.005069	± 2.5	PASS

Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.15	0.003820	± 2.5	PASS
		VN	-20	0.31	0.000376	± 2.5	PASS
		VN	-10	2.23	0.002704	± 2.5	PASS
		VN	0	1.53	0.001855	± 2.5	PASS
		VN	10	2.98	0.003613	± 2.5	PASS
		VN	20	4.44	0.005384	± 2.5	PASS
		VN	30	1.63	0.001976	± 2.5	PASS
		VN	40	4.27	0.005178	± 2.5	PASS
		VN	50	2.51	0.003044	± 2.5	PASS
	MCH	VN	-30	-1.1	-0.001315	± 2.5	PASS
		VN	-20	3.82	0.004567	± 2.5	PASS
		VN	-10	-0.8	-0.000956	± 2.5	PASS
		VN	0	4.11	0.004913	± 2.5	PASS
		VN	10	4.14	0.004949	± 2.5	PASS
		VN	20	4.13	0.004937	± 2.5	PASS
		VN	30	-0.81	-0.000968	± 2.5	PASS
		VN	40	-1.19	-0.001423	± 2.5	PASS
		VN	50	4.55	0.005439	± 2.5	PASS
	HCH	VN	-30	2.79	0.003289	± 2.5	PASS
		VN	-20	-0.81	-0.000955	± 2.5	PASS
		VN	-10	-1.34	-0.001580	± 2.5	PASS
		VN	0	-1.31	-0.001544	± 2.5	PASS
		VN	10	4.83	0.005694	± 2.5	PASS
		VN	20	0.36	0.000424	± 2.5	PASS
		VN	30	4.24	0.004998	± 2.5	PASS
		VN	40	4.8	0.005658	± 2.5	PASS
		VN	50	4.1	0.004833	± 2.5	PASS
16QAM	LCH	VN	-30	-0.07	-0.000085	± 2.5	PASS
		VN	-20	0.5	0.000606	± 2.5	PASS
		VN	-10	-0.66	-0.000800	± 2.5	PASS
		VN	0	2.99	0.003626	± 2.5	PASS
		VN	10	3.84	0.004656	± 2.5	PASS
		VN	20	4.82	0.005845	± 2.5	PASS
		VN	30	-1.81	-0.002195	± 2.5	PASS
		VN	40	4.34	0.005263	± 2.5	PASS
		VN	50	0.83	0.001006	± 2.5	PASS
	MCH	VN	-30	0.31	0.000365	± 2.5	PASS
		VN	-20	3.53	0.004161	± 2.5	PASS
		VN	-10	4.93	0.005812	± 2.5	PASS
		VN	0	0.92	0.001085	± 2.5	PASS
		VN	10	4	0.004715	± 2.5	PASS
		VN	20	-0.65	-0.000766	± 2.5	PASS
		VN	30	2.22	0.002617	± 2.5	PASS
		VN	40	0.91	0.001073	± 2.5	PASS
		VN	50	2.21	0.002605	± 2.5	PASS
	HCH	VN	-30	3.06	0.003607	± 2.5	PASS
		VN	-20	3.29	0.003878	± 2.5	PASS
		VN	-10	-0.44	-0.000519	± 2.5	PASS

		VN	0	1.99	0.002346	± 2.5	PASS
		VN	10	2.57	0.003030	± 2.5	PASS
		VN	20	0.7	0.000825	± 2.5	PASS
		VN	30	0.7	0.000825	± 2.5	PASS
		VN	40	-1.63	-0.001921	± 2.5	PASS
		VN	50	4.39	0.005175	± 2.5	PASS

Channel Bandwidth: 3 MHz

Channel Bandwidth: 3.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.44	0.000533	± 2.5	PASS
		VN	TN	4.49	0.005439	± 2.5	PASS
		VH	TN	-1.39	-0.001684	± 2.5	PASS
	MCH	VL	TN	2.71	0.003240	± 2.5	PASS
		VN	TN	-0.23	-0.000275	± 2.5	PASS
		VH	TN	1.77	0.002116	± 2.5	PASS
	HCH	VL	TN	4.82	0.005687	± 2.5	PASS
		VN	TN	-0.63	-0.000743	± 2.5	PASS
		VH	TN	3.96	0.004673	± 2.5	PASS
16QAM	LCH	VL	TN	1.83	0.002217	± 2.5	PASS
		VN	TN	0.37	0.000448	± 2.5	PASS
		VH	TN	-1.07	-0.001296	± 2.5	PASS
	MCH	VL	TN	0.56	0.000669	± 2.5	PASS
		VN	TN	4.68	0.005595	± 2.5	PASS
		VH	TN	-1.43	-0.001710	± 2.5	PASS
	HCH	VL	TN	2.99	0.003528	± 2.5	PASS
		VN	TN	1.57	0.001853	± 2.5	PASS
		VH	TN	1.45	0.001711	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	3.91	0.004737	± 2.5	PASS
		VN	-20	2.81	0.003404	± 2.5	PASS
		VN	-10	4.03	0.004882	± 2.5	PASS
		VN	0	3.31	0.004010	± 2.5	PASS
		VN	10	-0.14	-0.000170	± 2.5	PASS
		VN	20	-0.59	-0.000715	± 2.5	PASS
		VN	30	4.47	0.005415	± 2.5	PASS
		VN	40	1.81	0.002193	± 2.5	PASS
		VN	50	3.92	0.004749	± 2.5	PASS
	MCH	VN	-30	1.12	0.001339	± 2.5	PASS
		VN	-20	1.26	0.001506	± 2.5	PASS
		VN	-10	4.24	0.005069	± 2.5	PASS
		VN	0	4.13	0.004937	± 2.5	PASS
		VN	10	1.39	0.001662	± 2.5	PASS
		VN	20	-1.65	-0.001973	± 2.5	PASS
		VN	30	0.59	0.000705	± 2.5	PASS

		VN	40	4.64	0.005547	± 2.5	PASS
		VN	50	3.37	0.004029	± 2.5	PASS
	HCH	VN	-30	2.38	0.002808	± 2.5	PASS
		VN	-20	0.64	0.000755	± 2.5	PASS
		VN	-10	-0.83	-0.000979	± 2.5	PASS
		VN	0	2.74	0.003233	± 2.5	PASS
		VN	10	-0.76	-0.000897	± 2.5	PASS
		VN	20	2.37	0.002796	± 2.5	PASS
		VN	30	4.32	0.005097	± 2.5	PASS
		VN	40	-1.07	-0.001263	± 2.5	PASS
		VN	50	3.3	0.003894	± 2.5	PASS
16QAM	LCH	VN	-30	4.67	0.005583	± 2.5	PASS
		VN	-20	1.42	0.001698	± 2.5	PASS
		VN	-10	2.26	0.002702	± 2.5	PASS
		VN	0	0.15	0.000179	± 2.5	PASS
		VN	10	2.9	0.003467	± 2.5	PASS
		VN	20	2.7	0.003228	± 2.5	PASS
		VN	30	0.54	0.000646	± 2.5	PASS
		VN	40	1.1	0.001315	± 2.5	PASS
		VN	50	4.04	0.004830	± 2.5	PASS
	MCH	VN	-30	-0.24	-0.000283	± 2.5	PASS
		VN	-20	1.38	0.001628	± 2.5	PASS
		VN	-10	4.49	0.005298	± 2.5	PASS
		VN	0	-1.46	-0.001723	± 2.5	PASS
		VN	10	2.17	0.002560	± 2.5	PASS
		VN	20	-1.51	-0.001782	± 2.5	PASS
		VN	30	-0.55	-0.000649	± 2.5	PASS
		VN	40	2.63	0.003103	± 2.5	PASS
		VN	50	4.44	0.005239	± 2.5	PASS
	HCH	VN	-30	0.55	0.000649	± 2.5	PASS
		VN	-20	-1.12	-0.001322	± 2.5	PASS
		VN	-10	1.97	0.002324	± 2.5	PASS
		VN	0	-1.58	-0.001864	± 2.5	PASS
		VN	10	4.77	0.005628	± 2.5	PASS
		VN	20	4.35	0.005133	± 2.5	PASS
		VN	30	0.63	0.000743	± 2.5	PASS
		VN	40	1.15	0.001357	± 2.5	PASS
		VN	50	-1.58	-0.001864	± 2.5	PASS

Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	4.15	0.005021	± 2.5	PASS
		VN	TN	-0.94	-0.001137	± 2.5	PASS
		VH	TN	0.14	0.000169	± 2.5	PASS
	MCH	VL	TN	-1.83	-0.002188	± 2.5	PASS
		VN	TN	2.83	0.003383	± 2.5	PASS
		VH	TN	-0.92	-0.001100	± 2.5	PASS
		VL	TN	-1.74	-0.002056	± 2.5	PASS

	HCH	VN	TN	2.43	0.002871	± 2.5	PASS
		VH	TN	4.01	0.004737	± 2.5	PASS
16QAM	LCH	VL	TN	-0.18	-0.000218	± 2.5	PASS
		VN	TN	2.17	0.002626	± 2.5	PASS
		VH	TN	3.62	0.004380	± 2.5	PASS
	MCH	VL	TN	4.85	0.005798	± 2.5	PASS
		VN	TN	2.58	0.003084	± 2.5	PASS
		VH	TN	1.97	0.002355	± 2.5	PASS
	HCH	VL	TN	-1.95	-0.002304	± 2.5	PASS
		VN	TN	1.87	0.002209	± 2.5	PASS
		VH	TN	-0.14	-0.000165	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.5	0.000605	± 2.5	PASS
		VN	-20	-1.84	-0.002226	± 2.5	PASS
		VN	-10	4.28	0.005178	± 2.5	PASS
		VN	0	3.94	0.004767	± 2.5	PASS
		VN	10	-1.77	-0.002142	± 2.5	PASS
		VN	20	1.46	0.001766	± 2.5	PASS
		VN	30	0.55	0.000665	± 2.5	PASS
		VN	40	-1.26	-0.001525	± 2.5	PASS
		VN	50	0.69	0.000835	± 2.5	PASS
	MCH	VN	-30	0.82	0.000980	± 2.5	PASS
		VN	-20	0.06	0.000072	± 2.5	PASS
		VN	-10	0.27	0.000323	± 2.5	PASS
		VN	0	0.65	0.000777	± 2.5	PASS
		VN	10	1.86	0.002224	± 2.5	PASS
		VN	20	2.51	0.003001	± 2.5	PASS
		VN	30	1.23	0.001470	± 2.5	PASS
		VN	40	3.33	0.003981	± 2.5	PASS
		VN	50	4.71	0.005631	± 2.5	PASS
	HCH	VN	-30	1.21	0.001429	± 2.5	PASS
		VN	-20	-1.14	-0.001347	± 2.5	PASS
		VN	-10	2.14	0.002528	± 2.5	PASS
		VN	0	0.52	0.000614	± 2.5	PASS
		VN	10	3.7	0.004371	± 2.5	PASS
		VN	20	1.41	0.001666	± 2.5	PASS
		VN	30	1.57	0.001855	± 2.5	PASS
		VN	40	0.98	0.001158	± 2.5	PASS
		VN	50	2	0.002363	± 2.5	PASS
16QAM	LCH	VN	-30	-0.95	-0.001136	± 2.5	PASS
		VN	-20	1.75	0.002092	± 2.5	PASS
		VN	-10	3.64	0.004351	± 2.5	PASS
		VN	0	3.63	0.004340	± 2.5	PASS
		VN	10	2.92	0.003491	± 2.5	PASS
		VN	20	-1.73	-0.002068	± 2.5	PASS
		VN	30	0.3	0.000359	± 2.5	PASS
		VN	40	0.59	0.000705	± 2.5	PASS
		VN	50	3.91	0.004674	± 2.5	PASS
	MCH	VN	-30	1.18	0.001394	± 2.5	PASS

		VN	-20	-0.16	-0.000189	± 2.5	PASS
		VN	-10	1.85	0.002185	± 2.5	PASS
		VN	0	2.52	0.002977	± 2.5	PASS
		VN	10	3.7	0.004371	± 2.5	PASS
		VN	20	4.91	0.005800	± 2.5	PASS
		VN	30	2.56	0.003024	± 2.5	PASS
		VN	40	1.79	0.002115	± 2.5	PASS
		VN	50	-0.68	-0.000803	± 2.5	PASS
	HCH	VN	-30	2.4	0.002835	± 2.5	PASS
		VN	-20	2.18	0.002575	± 2.5	PASS
		VN	-10	3.96	0.004678	± 2.5	PASS
		VN	0	-1.7	-0.002008	± 2.5	PASS
		VN	10	-0.88	-0.001040	± 2.5	PASS
		VN	20	-1.91	-0.002256	± 2.5	PASS
		VN	30	-0.26	-0.000307	± 2.5	PASS
		VN	40	-1.65	-0.001949	± 2.5	PASS
		VN	50	-0.74	-0.000874	± 2.5	PASS

Channel Bandwidth: 10 MHz

Channel Bandwidth: 10.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.09	0.003727	± 2.5	PASS
		VN	TN	0.26	0.000314	± 2.5	PASS
		VH	TN	1.87	0.002256	± 2.5	PASS
	MCH	VL	TN	3.44	0.004112	± 2.5	PASS
		VN	TN	-0.72	-0.000861	± 2.5	PASS
		VH	TN	2.16	0.002582	± 2.5	PASS
	HCH	VL	TN	-1.59	-0.001884	± 2.5	PASS
		VN	TN	0.09	0.000107	± 2.5	PASS
		VH	TN	1.92	0.002275	± 2.5	PASS
16QAM	LCH	VL	TN	-0.36	-0.000434	± 2.5	PASS
		VN	TN	2.81	0.003390	± 2.5	PASS
		VH	TN	-1.96	-0.002364	± 2.5	PASS
	MCH	VL	TN	0.54	0.000646	± 2.5	PASS
		VN	TN	4.58	0.005475	± 2.5	PASS
		VH	TN	-0.38	-0.000454	± 2.5	PASS
	HCH	VL	TN	-0.65	-0.000770	± 2.5	PASS
		VN	TN	0.06	0.000071	± 2.5	PASS
		VH	TN	2.32	0.002749	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	1.03	0.001242	± 2.5	PASS
		VN	-20	0.15	0.000181	± 2.5	PASS
		VN	-10	-0.18	-0.000217	± 2.5	PASS
		VN	0	-1.16	-0.001399	± 2.5	PASS
		VN	10	0.93	0.001122	± 2.5	PASS
		VN	20	2.43	0.002931	± 2.5	PASS
		VN	30	3.11	0.003752	± 2.5	PASS

		VN	40	3.24	0.003908	± 2.5	PASS
		VN	50	-1	-0.001206	± 2.5	PASS
	MCH	VN	-30	1.42	0.001698	± 2.5	PASS
		VN	-20	2.43	0.002905	± 2.5	PASS
		VN	-10	4.66	0.005571	± 2.5	PASS
		VN	0	3.24	0.003873	± 2.5	PASS
		VN	10	3.38	0.004041	± 2.5	PASS
		VN	20	-1.85	-0.002212	± 2.5	PASS
		VN	30	0.42	0.000502	± 2.5	PASS
		VN	40	1.03	0.001231	± 2.5	PASS
		VN	50	0.56	0.000669	± 2.5	PASS
	HCH	VN	-30	-0.49	-0.000581	± 2.5	PASS
		VN	-20	4.79	0.005675	± 2.5	PASS
		VN	-10	3.78	0.004479	± 2.5	PASS
		VN	0	3.02	0.003578	± 2.5	PASS
		VN	10	1.11	0.001315	± 2.5	PASS
		VN	20	0.52	0.000616	± 2.5	PASS
		VN	30	2.84	0.003365	± 2.5	PASS
		VN	40	2.74	0.003246	± 2.5	PASS
		VN	50	1.27	0.001505	± 2.5	PASS
16QAM	LCH	VN	-30	-1.76	-0.002104	± 2.5	PASS
		VN	-20	-1.92	-0.002295	± 2.5	PASS
		VN	-10	1.3	0.001554	± 2.5	PASS
		VN	0	4.36	0.005212	± 2.5	PASS
		VN	10	2.16	0.002582	± 2.5	PASS
		VN	20	0.82	0.000980	± 2.5	PASS
		VN	30	3.83	0.004579	± 2.5	PASS
		VN	40	1.44	0.001721	± 2.5	PASS
		VN	50	-1.84	-0.002200	± 2.5	PASS
	MCH	VN	-30	3.33	0.003945	± 2.5	PASS
		VN	-20	2.23	0.002642	± 2.5	PASS
		VN	-10	0.82	0.000972	± 2.5	PASS
		VN	0	3.22	0.003815	± 2.5	PASS
		VN	10	-1.76	-0.002085	± 2.5	PASS
		VN	20	4.1	0.004858	± 2.5	PASS
		VN	30	0.83	0.000983	± 2.5	PASS
		VN	40	-0.03	-0.000036	± 2.5	PASS
		VN	50	0.58	0.000687	± 2.5	PASS
	HCH	VN	-30	4.13	0.004893	± 2.5	PASS
		VN	-20	3.09	0.003661	± 2.5	PASS
		VN	-10	-1.7	-0.002014	± 2.5	PASS
		VN	0	0.65	0.000770	± 2.5	PASS
		VN	10	4.02	0.004763	± 2.5	PASS
		VN	20	-1.96	-0.002322	± 2.5	PASS
		VN	30	-1.76	-0.002085	± 2.5	PASS
		VN	40	-1.71	-0.002026	± 2.5	PASS
		VN	50	2.85	0.003377	± 2.5	PASS

Band 41
Channel Bandwidth: 5 MHz

Channel Bandwidth: 5.0MHz

Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	3.99	0.005702	± 2.5	PASS
		VN	TN	2.93	0.004188	± 2.5	PASS
		VH	TN	1.16	0.001658	± 2.5	PASS
	MCH	VL	TN	3.32	0.004693	± 2.5	PASS
		VN	TN	4.23	0.005979	± 2.5	PASS
		VH	TN	-1.54	-0.002177	± 2.5	PASS
	HCH	VL	TN	0.84	0.001174	± 2.5	PASS
		VN	TN	2.3	0.003215	± 2.5	PASS
		VH	TN	1.76	0.002461	± 2.5	PASS
16QAM	LCH	VL	TN	1.1	0.001572	± 2.5	PASS
		VN	TN	0.64	0.000915	± 2.5	PASS
		VH	TN	-1.76	-0.002515	± 2.5	PASS
	MCH	VL	TN	-1.71	-0.002417	± 2.5	PASS
		VN	TN	1.78	0.002516	± 2.5	PASS
		VH	TN	-1.1	-0.001555	± 2.5	PASS
	HCH	VL	TN	0	0.000000	± 2.5	PASS
		VN	TN	-0.84	-0.001174	± 2.5	PASS
		VH	TN	-1.31	-0.001831	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-1.45	-0.002072	± 2.5	PASS
		VN	-20	-1.48	-0.002115	± 2.5	PASS
		VN	-10	0.49	0.000700	± 2.5	PASS
		VN	0	0.3	0.000429	± 2.5	PASS
		VN	10	2.04	0.002916	± 2.5	PASS
		VN	20	4.15	0.005931	± 2.5	PASS
		VN	30	1.48	0.002115	± 2.5	PASS
		VN	40	-0.52	-0.000743	± 2.5	PASS
		VN	50	1.09	0.001558	± 2.5	PASS
	MCH	VN	-30	0.64	0.000905	± 2.5	PASS
		VN	-20	1.84	0.002601	± 2.5	PASS
		VN	-10	-0.19	-0.000269	± 2.5	PASS
		VN	0	2.44	0.003449	± 2.5	PASS
		VN	10	-1.92	-0.002714	± 2.5	PASS
		VN	20	0.44	0.000622	± 2.5	PASS
		VN	30	-0.46	-0.000650	± 2.5	PASS
		VN	40	2.29	0.003237	± 2.5	PASS
		VN	50	1.22	0.001724	± 2.5	PASS
	HCH	VN	-30	0.31	0.000433	± 2.5	PASS
		VN	-20	0.9	0.001258	± 2.5	PASS
		VN	-10	-1.63	-0.002279	± 2.5	PASS
		VN	0	3.62	0.005061	± 2.5	PASS
		VN	10	2.39	0.003341	± 2.5	PASS
		VN	20	0.79	0.001104	± 2.5	PASS
		VN	30	1.21	0.001692	± 2.5	PASS
		VN	40	3.88	0.005424	± 2.5	PASS
		VN	50	-1.31	-0.001831	± 2.5	PASS

16QAM	LCH	VN	-30	2.67	0.003816	± 2.5	PASS
		VN	-20	0.95	0.001358	± 2.5	PASS
		VN	-10	0.71	0.001015	± 2.5	PASS
		VN	0	-0.05	-0.000071	± 2.5	PASS
		VN	10	-1.64	-0.002344	± 2.5	PASS
		VN	20	0.26	0.000372	± 2.5	PASS
		VN	30	0	0.000000	± 2.5	PASS
		VN	40	-0.99	-0.001415	± 2.5	PASS
		VN	50	4.08	0.005831	± 2.5	PASS
	MCH	VN	-30	-0.01	-0.000014	± 2.5	PASS
		VN	-20	-1.87	-0.002643	± 2.5	PASS
		VN	-10	2.75	0.003887	± 2.5	PASS
		VN	0	3.25	0.004594	± 2.5	PASS
		VN	10	-0.07	-0.000099	± 2.5	PASS
		VN	20	3.11	0.004396	± 2.5	PASS
		VN	30	-1.04	-0.001470	± 2.5	PASS
		VN	40	2.55	0.003604	± 2.5	PASS
		VN	50	1.9	0.002686	± 2.5	PASS
	HCH	VN	-30	3.54	0.004949	± 2.5	PASS
		VN	-20	0.47	0.000657	± 2.5	PASS
		VN	-10	1.99	0.002782	± 2.5	PASS
		VN	0	2.25	0.003146	± 2.5	PASS
		VN	10	1.06	0.001482	± 2.5	PASS
		VN	20	-1.8	-0.002516	± 2.5	PASS
		VN	30	-0.52	-0.000727	± 2.5	PASS
		VN	40	-0.68	-0.000951	± 2.5	PASS
		VN	50	0.19	0.000266	± 2.5	PASS

Channel Bandwidth: 10MHz

Channel Bandwidth: 10MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	-0.37	-0.000528	± 2.5	PASS
		VN	TN	3.26	0.004654	± 2.5	PASS
		VH	TN	4.07	0.005810	± 2.5	PASS
	MCH	VL	TN	3.5	0.004947	± 2.5	PASS
		VN	TN	0.12	0.000170	± 2.5	PASS
		VH	TN	4.02	0.005682	± 2.5	PASS
	HCH	VL	TN	0.71	0.000994	± 2.5	PASS
		VN	TN	1.67	0.002337	± 2.5	PASS
		VH	TN	4.24	0.005934	± 2.5	PASS
16QAM	LCH	VL	TN	0.89	0.001271	± 2.5	PASS
		VN	TN	4.71	0.006724	± 2.5	PASS
		VH	TN	1.71	0.002441	± 2.5	PASS
	MCH	VL	TN	-0.55	-0.000777	± 2.5	PASS
		VN	TN	1.76	0.002488	± 2.5	PASS
		VH	TN	1.53	0.002163	± 2.5	PASS
	HCH	VL	TN	4.63	0.006480	± 2.5	PASS
		VN	TN	3.22	0.004507	± 2.5	PASS
		VH	TN	0.43	0.000602	± 2.5	PASS

Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	0.9	0.001285	± 2.5	PASS
		VN	-20	-0.97	-0.001385	± 2.5	PASS
		VN	-10	3.98	0.005682	± 2.5	PASS
		VN	0	2.6	0.003712	± 2.5	PASS
		VN	10	-0.48	-0.000685	± 2.5	PASS
		VN	20	-1.96	-0.002798	± 2.5	PASS
		VN	30	0.15	0.000214	± 2.5	PASS
		VN	40	2.28	0.003255	± 2.5	PASS
		VN	50	3.68	0.005253	± 2.5	PASS
	MCH	VN	-30	4.22	0.005965	± 2.5	PASS
		VN	-20	3.77	0.005329	± 2.5	PASS
		VN	-10	1.53	0.002163	± 2.5	PASS
		VN	0	3.29	0.004650	± 2.5	PASS
		VN	10	2.73	0.003859	± 2.5	PASS
		VN	20	1.91	0.002700	± 2.5	PASS
		VN	30	4.69	0.006629	± 2.5	PASS
		VN	40	-1.07	-0.001512	± 2.5	PASS
		VN	50	4.5	0.006360	± 2.5	PASS
	HCH	VN	-30	4.8	0.006718	± 2.5	PASS
		VN	-20	0.7	0.000980	± 2.5	PASS
		VN	-10	-1.92	-0.002687	± 2.5	PASS
		VN	0	3.35	0.004689	± 2.5	PASS
		VN	10	1.16	0.001624	± 2.5	PASS
		VN	20	0.2	0.000280	± 2.5	PASS
		VN	30	-1.04	-0.001456	± 2.5	PASS
		VN	40	-0.2	-0.000280	± 2.5	PASS
		VN	50	4.31	0.006032	± 2.5	PASS
16QAM	LCH	VN	-30	3.86	0.005510	± 2.5	PASS
		VN	-20	-0.48	-0.000685	± 2.5	PASS
		VN	-10	4.57	0.006524	± 2.5	PASS
		VN	0	2.14	0.003055	± 2.5	PASS
		VN	10	0.83	0.001185	± 2.5	PASS
		VN	20	3.17	0.004525	± 2.5	PASS
		VN	30	1.3	0.001856	± 2.5	PASS
		VN	40	3.79	0.005410	± 2.5	PASS
		VN	50	2.59	0.003697	± 2.5	PASS
	MCH	VN	-30	0.86	0.001216	± 2.5	PASS
		VN	-20	0.55	0.000777	± 2.5	PASS
		VN	-10	0	0.000000	± 2.5	PASS
		VN	0	-0.36	-0.000509	± 2.5	PASS
		VN	10	0.64	0.000905	± 2.5	PASS
		VN	20	4.68	0.006615	± 2.5	PASS
		VN	30	0.78	0.001102	± 2.5	PASS
		VN	40	-0.33	-0.000466	± 2.5	PASS
		VN	50	0.67	0.000947	± 2.5	PASS
	HCH	VN	-30	3.11	0.004353	± 2.5	PASS
		VN	-20	1.12	0.001568	± 2.5	PASS
		VN	-10	-0.95	-0.001330	± 2.5	PASS

		VN	0	4.47	0.006256	± 2.5	PASS
		VN	10	2.59	0.003625	± 2.5	PASS
		VN	20	-1.76	-0.002463	± 2.5	PASS
		VN	30	-0.97	-0.001358	± 2.5	PASS
		VN	40	0.81	0.001134	± 2.5	PASS
		VN	50	3.86	0.005510	± 2.5	PASS

Channel Bandwidth: 15 MHz

Channel Bandwidth: 15MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	2.25	0.003207	± 2.5	PASS
		VN	TN	0.68	0.000969	± 2.5	PASS
		VH	TN	1.77	0.002523	± 2.5	PASS
	MCH	VL	TN	-0.96	-0.001357	± 2.5	PASS
		VN	TN	-1.21	-0.001710	± 2.5	PASS
		VH	TN	0.76	0.001074	± 2.5	PASS
	HCH	VL	TN	1.47	0.002060	± 2.5	PASS
		VN	TN	1.84	0.002579	± 2.5	PASS
		VH	TN	-1.16	-0.001626	± 2.5	PASS
16QAM	LCH	VL	TN	0.35	0.000499	± 2.5	PASS
		VN	TN	-1.32	-0.001882	± 2.5	PASS
		VH	TN	0.54	0.000770	± 2.5	PASS
	MCH	VL	TN	4.81	0.006799	± 2.5	PASS
		VN	TN	-0.63	-0.000890	± 2.5	PASS
		VH	TN	3.87	0.005470	± 2.5	PASS
	HCH	VL	TN	3.52	0.004933	± 2.5	PASS
		VN	TN	3.75	0.005256	± 2.5	PASS
		VH	TN	3.14	0.004401	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	-0.25	-0.000356	± 2.5	PASS
		VN	-20	4.45	0.006344	± 2.5	PASS
		VN	-10	3.35	0.004775	± 2.5	PASS
		VN	0	4.14	0.005902	± 2.5	PASS
		VN	10	0.51	0.000727	± 2.5	PASS
		VN	20	4.95	0.007056	± 2.5	PASS
		VN	30	4.71	0.006714	± 2.5	PASS
		VN	40	-0.4	-0.000570	± 2.5	PASS
		VN	50	-1.77	-0.002523	± 2.5	PASS
	MCH	VN	-30	1.79	0.002530	± 2.5	PASS
		VN	-20	-1.26	-0.001781	± 2.5	PASS
		VN	-10	-0.66	-0.000933	± 2.5	PASS
		VN	0	-0.45	-0.000636	± 2.5	PASS
		VN	10	1.9	0.002686	± 2.5	PASS
		VN	20	0.52	0.000735	± 2.5	PASS
		VN	30	3.97	0.005611	± 2.5	PASS
		VN	40	-1.95	-0.002756	± 2.5	PASS
		VN	50	-1.57	-0.002219	± 2.5	PASS

	HCH	VN	-30	-1.2	-0.001682	± 2.5	PASS
		VN	-20	3.09	0.004331	± 2.5	PASS
		VN	-10	4.47	0.006265	± 2.5	PASS
		VN	0	-1.53	-0.002144	± 2.5	PASS
		VN	10	3.54	0.004961	± 2.5	PASS
		VN	20	-1.56	-0.002186	± 2.5	PASS
		VN	30	0.43	0.000603	± 2.5	PASS
		VN	40	3.15	0.004415	± 2.5	PASS
		VN	50	0.38	0.000533	± 2.5	PASS
16QAM	LCH	VN	-30	-1.51	-0.002153	± 2.5	PASS
		VN	-20	2.92	0.004163	± 2.5	PASS
		VN	-10	-1.51	-0.002153	± 2.5	PASS
		VN	0	3.28	0.004676	± 2.5	PASS
		VN	10	0.77	0.001098	± 2.5	PASS
		VN	20	-0.91	-0.001297	± 2.5	PASS
		VN	30	0.39	0.000556	± 2.5	PASS
		VN	40	1.72	0.002452	± 2.5	PASS
		VN	50	4.79	0.006828	± 2.5	PASS
	MCH	VN	-30	-1.51	-0.002134	± 2.5	PASS
		VN	-20	-0.45	-0.000636	± 2.5	PASS
		VN	-10	-0.62	-0.000876	± 2.5	PASS
		VN	0	-1.42	-0.002007	± 2.5	PASS
		VN	10	1.34	0.001894	± 2.5	PASS
		VN	20	-0.08	-0.000113	± 2.5	PASS
		VN	30	1.12	0.001583	± 2.5	PASS
		VN	40	4.94	0.006982	± 2.5	PASS
		VN	50	3.37	0.004763	± 2.5	PASS
	HCH	VN	-30	4.37	0.006125	± 2.5	PASS
		VN	-20	-0.49	-0.000687	± 2.5	PASS
		VN	-10	1.09	0.001528	± 2.5	PASS
		VN	0	-0.18	-0.000252	± 2.5	PASS
		VN	10	-1.75	-0.002453	± 2.5	PASS
		VN	20	2.1	0.002943	± 2.5	PASS
		VN	30	0.7	0.000981	± 2.5	PASS
		VN	40	2.36	0.003308	± 2.5	PASS
		VN	50	-0.68	-0.000953	± 2.5	PASS

Channel Bandwidth: 20 MHz

Channel Bandwidth: 20.0MHz							
Voltage							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VL	TN	0.4	0.000568	± 2.5	PASS
		VN	TN	1.48	0.002102	± 2.5	PASS
		VH	TN	-0.75	-0.001065	± 2.5	PASS
	MCH	VL	TN	-1.08	-0.001527	± 2.5	PASS
		VN	TN	-0.89	-0.001258	± 2.5	PASS
		VH	TN	1.14	0.001611	± 2.5	PASS
	HCH	VL	TN	-1.69	-0.002377	± 2.5	PASS
		VN	TN	2.21	0.003108	± 2.5	PASS
		VH	TN	1.72	0.002419	± 2.5	PASS

16QAM	LCH	VL	TN	3.75	0.005327	± 2.5	PASS
		VN	TN	-1.24	-0.001761	± 2.5	PASS
		VH	TN	-0.97	-0.001378	± 2.5	PASS
	MCH	VL	TN	0.05	0.000071	± 2.5	PASS
		VN	TN	-0.41	-0.000580	± 2.5	PASS
		VH	TN	-1.79	-0.002530	± 2.5	PASS
	HCH	VL	TN	3.67	0.005162	± 2.5	PASS
		VN	TN	-0.15	-0.000211	± 2.5	PASS
		VH	TN	3.07	0.004318	± 2.5	PASS
Temperature							
Modulation	Channel	Voltage [Vdc]	Temperature (℃)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Verdict
QPSK	LCH	VN	-30	2.82	0.004006	± 2.5	PASS
		VN	-20	-1.24	-0.001761	± 2.5	PASS
		VN	-10	4.44	0.006307	± 2.5	PASS
		VN	0	2.95	0.004190	± 2.5	PASS
		VN	10	3.27	0.004645	± 2.5	PASS
		VN	20	3.08	0.004375	± 2.5	PASS
		VN	30	4.44	0.006307	± 2.5	PASS
		VN	40	-0.86	-0.001222	± 2.5	PASS
		VN	50	0.97	0.001378	± 2.5	PASS
	MCH	VN	-30	2.47	0.003491	± 2.5	PASS
		VN	-20	-1.9	-0.002686	± 2.5	PASS
		VN	-10	0.77	0.001088	± 2.5	PASS
		VN	0	-1.85	-0.002615	± 2.5	PASS
		VN	10	2.57	0.003633	± 2.5	PASS
		VN	20	2.53	0.003576	± 2.5	PASS
		VN	30	0.48	0.000678	± 2.5	PASS
		VN	40	-1.1	-0.001555	± 2.5	PASS
		VN	50	-1.82	-0.002572	± 2.5	PASS
	HCH	VN	-30	-1.98	-0.002785	± 2.5	PASS
		VN	-20	0.69	0.000970	± 2.5	PASS
		VN	-10	3.18	0.004473	± 2.5	PASS
		VN	0	-0.37	-0.000520	± 2.5	PASS
		VN	10	4.01	0.005640	± 2.5	PASS
		VN	20	4.73	0.006653	± 2.5	PASS
		VN	30	2.13	0.002996	± 2.5	PASS
		VN	40	0.64	0.000900	± 2.5	PASS
		VN	50	-0.54	-0.000759	± 2.5	PASS
16QAM	LCH	VN	-30	4.01	0.005696	± 2.5	PASS
		VN	-20	-1.89	-0.002685	± 2.5	PASS
		VN	-10	-0.74	-0.001051	± 2.5	PASS
		VN	0	4.72	0.006705	± 2.5	PASS
		VN	10	1.78	0.002528	± 2.5	PASS
		VN	20	4.39	0.006236	± 2.5	PASS
		VN	30	2.22	0.003153	± 2.5	PASS
		VN	40	-0.17	-0.000241	± 2.5	PASS
		VN	50	2.07	0.002940	± 2.5	PASS
	MCH	VN	-30	4.64	0.006558	± 2.5	PASS
		VN	-20	-1.47	-0.002078	± 2.5	PASS
		VN	-10	-0.5	-0.000707	± 2.5	PASS

		VN	0	3.25	0.004594	± 2.5	PASS
		VN	10	1.64	0.002318	± 2.5	PASS
		VN	20	2.84	0.004014	± 2.5	PASS
		VN	30	1.15	0.001625	± 2.5	PASS
		VN	40	1.4	0.001979	± 2.5	PASS
		VN	50	-1.16	-0.001640	± 2.5	PASS
	HCH	VN	-30	0.54	0.000759	± 2.5	PASS
		VN	-20	-0.39	-0.000549	± 2.5	PASS
		VN	-10	3.82	0.005373	± 2.5	PASS
		VN	0	2.31	0.003249	± 2.5	PASS
		VN	10	0.02	0.000028	± 2.5	PASS
		VN	20	1.72	0.002419	± 2.5	PASS
		VN	30	0.49	0.000689	± 2.5	PASS
		VN	40	2.11	0.002968	± 2.5	PASS
		VN	50	0.48	0.000675	± 2.5	PASS