

Appendix

LTE Band 41 Test Data

Conducted Test Data

Conducted Output Power and EIRP

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	Band41	5	39675	1	#0	QPSK	24.38	4.6	28.98	33	PASS
NVNT	Band41	5	39675	1	#Mid	QPSK	24.67	4.6	29.27	33	PASS
NVNT	Band41	5	39675	1	#Max	QPSK	24.41	4.6	29.01	33	PASS
NVNT	Band41	5	39675	12	#0	QPSK	23.60	4.6	28.20	33	PASS
NVNT	Band41	5	39675	12	#Mid	QPSK	23.63	4.6	28.23	33	PASS
NVNT	Band41	5	39675	12	#Max	QPSK	23.68	4.6	28.28	33	PASS
NVNT	Band41	5	39675	25	#0	QPSK	23.72	4.6	28.32	33	PASS
NVNT	Band41	5	39675	1	#0	QAM16	23.46	4.6	28.06	33	PASS
NVNT	Band41	5	39675	1	#Mid	QAM16	23.53	4.6	28.13	33	PASS
NVNT	Band41	5	39675	1	#Max	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	5	39675	12	#0	QAM16	22.47	4.6	27.07	33	PASS
NVNT	Band41	5	39675	12	#Mid	QAM16	22.43	4.6	27.03	33	PASS
NVNT	Band41	5	39675	12	#Max	QAM16	22.58	4.6	27.18	33	PASS
NVNT	Band41	5	39675	25	#0	QAM16	22.52	4.6	27.12	33	PASS
NVNT	Band41	5	40620	1	#0	QPSK	23.89	4.6	28.49	33	PASS
NVNT	Band41	5	40620	1	#Mid	QPSK	24.33	4.6	28.93	33	PASS
NVNT	Band41	5	40620	1	#Max	QPSK	24.17	4.6	28.77	33	PASS
NVNT	Band41	5	40620	12	#0	QPSK	23.21	4.6	27.81	33	PASS
NVNT	Band41	5	40620	12	#Mid	QPSK	23.27	4.6	27.87	33	PASS
NVNT	Band41	5	40620	12	#Max	QPSK	23.41	4.6	28.01	33	PASS
NVNT	Band41	5	40620	25	#0	QPSK	23.34	4.6	27.94	33	PASS
NVNT	Band41	5	40620	1	#0	QAM16	22.97	4.6	27.57	33	PASS
NVNT	Band41	5	40620	1	#Mid	QAM16	23.13	4.6	27.73	33	PASS
NVNT	Band41	5	40620	1	#Max	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	5	40620	12	#0	QAM16	22.21	4.6	26.81	33	PASS
NVNT	Band41	5	40620	12	#Mid	QAM16	22.29	4.6	26.89	33	PASS
NVNT	Band41	5	40620	12	#Max	QAM16	22.33	4.6	26.93	33	PASS
NVNT	Band41	5	40620	25	#0	QAM16	22.32	4.6	26.92	33	PASS
NVNT	Band41	5	41565	1	#0	QPSK	24.58	4.6	29.18	33	PASS
NVNT	Band41	5	41565	1	#Mid	QPSK	25.21	4.6	29.81	33	PASS
NVNT	Band41	5	41565	1	#Max	QPSK	24.43	4.6	29.03	33	PASS
NVNT	Band41	5	41565	12	#0	QPSK	23.81	4.6	28.41	33	PASS
NVNT	Band41	5	41565	12	#Mid	QPSK	23.66	4.6	28.26	33	PASS
NVNT	Band41	5	41565	12	#Max	QPSK	23.71	4.6	28.31	33	PASS
NVNT	Band41	5	41565	25	#0	QPSK	23.80	4.6	28.40	33	PASS
NVNT	Band41	5	41565	1	#0	QAM16	23.68	4.6	28.28	33	PASS
NVNT	Band41	5	41565	1	#Mid	QAM16	23.85	4.6	28.45	33	PASS

NVNT	Band41	5	41565	1	#Max	QAM16	23.54	4.6	28.14	33	PASS
NVNT	Band41	5	41565	12	#0	QAM16	22.59	4.6	27.19	33	PASS
NVNT	Band41	5	41565	12	#Mid	QAM16	22.53	4.6	27.13	33	PASS
NVNT	Band41	5	41565	12	#Max	QAM16	22.57	4.6	27.17	33	PASS
NVNT	Band41	5	41565	25	#0	QAM16	22.73	4.6	27.33	33	PASS
NVNT	Band41	10	39700	1	#0	QPSK	24.76	4.6	29.36	33	PASS
NVNT	Band41	10	39700	1	#Mid	QPSK	24.64	4.6	29.24	33	PASS
NVNT	Band41	10	39700	1	#Max	QPSK	24.59	4.6	29.19	33	PASS
NVNT	Band41	10	39700	25	#0	QPSK	23.68	4.6	28.28	33	PASS
NVNT	Band41	10	39700	25	#Mid	QPSK	23.81	4.6	28.41	33	PASS
NVNT	Band41	10	39700	25	#Max	QPSK	23.71	4.6	28.31	33	PASS
NVNT	Band41	10	39700	50	#0	QPSK	23.65	4.6	28.25	33	PASS
NVNT	Band41	10	39700	1	#0	QAM16	24.46	4.6	29.06	33	PASS
NVNT	Band41	10	39700	1	#Mid	QAM16	24.26	4.6	28.86	33	PASS
NVNT	Band41	10	39700	1	#Max	QAM16	24.35	4.6	28.95	33	PASS
NVNT	Band41	10	39700	25	#0	QAM16	22.72	4.6	27.32	33	PASS
NVNT	Band41	10	39700	25	#Mid	QAM16	22.77	4.6	27.37	33	PASS
NVNT	Band41	10	39700	25	#Max	QAM16	22.66	4.6	27.26	33	PASS
NVNT	Band41	10	40620	1	#0	QPSK	24.21	4.6	28.81	33	PASS
NVNT	Band41	10	40620	1	#Mid	QPSK	24.46	4.6	29.06	33	PASS
NVNT	Band41	10	40620	1	#Max	QPSK	24.53	4.6	29.13	33	PASS
NVNT	Band41	10	40620	25	#0	QPSK	23.35	4.6	27.95	33	PASS
NVNT	Band41	10	40620	25	#Mid	QPSK	23.44	4.6	28.04	33	PASS
NVNT	Band41	10	40620	25	#Max	QPSK	23.58	4.6	28.18	33	PASS
NVNT	Band41	10	40620	50	#0	QPSK	23.47	4.6	28.07	33	PASS
NVNT	Band41	10	40620	1	#0	QAM16	22.47	4.6	27.07	33	PASS
NVNT	Band41	10	40620	1	#Mid	QAM16	22.71	4.6	27.31	33	PASS
NVNT	Band41	10	40620	1	#Max	QAM16	22.75	4.6	27.35	33	PASS
NVNT	Band41	10	40620	25	#0	QAM16	22.27	4.6	26.87	33	PASS
NVNT	Band41	10	40620	25	#Mid	QAM16	22.35	4.6	26.95	33	PASS
NVNT	Band41	10	40620	25	#Max	QAM16	22.50	4.6	27.10	33	PASS
NVNT	Band41	10	41540	1	#0	QPSK	24.90	4.6	29.50	33	PASS
NVNT	Band41	10	41540	1	#Mid	QPSK	24.76	4.6	29.36	33	PASS
NVNT	Band41	10	41540	1	#Max	QPSK	24.62	4.6	29.22	33	PASS
NVNT	Band41	10	41540	25	#0	QPSK	24.02	4.6	28.62	33	PASS
NVNT	Band41	10	41540	25	#Mid	QPSK	23.85	4.6	28.45	33	PASS
NVNT	Band41	10	41540	25	#Max	QPSK	23.91	4.6	28.51	33	PASS
NVNT	Band41	10	41540	50	#0	QPSK	23.93	4.6	28.53	33	PASS
NVNT	Band41	10	41540	1	#0	QAM16	24.38	4.6	28.98	33	PASS
NVNT	Band41	10	41540	1	#Mid	QAM16	24.40	4.6	29.00	33	PASS
NVNT	Band41	10	41540	1	#Max	QAM16	24.23	4.6	28.83	33	PASS
NVNT	Band41	10	41540	25	#0	QAM16	22.88	4.6	27.48	33	PASS
NVNT	Band41	10	41540	25	#Mid	QAM16	22.86	4.6	27.46	33	PASS
NVNT	Band41	10	41540	25	#Max	QAM16	22.86	4.6	27.46	33	PASS
NVNT	Band41	15	39725	1	#0	QPSK	24.62	4.6	29.22	33	PASS
NVNT	Band41	15	39725	1	#Mid	QPSK	24.76	4.6	29.36	33	PASS

NVNT	Band41	15	39725	1	#Max	QPSK	24.49	4.6	29.09	33	PASS
NVNT	Band41	15	39725	36	#0	QPSK	23.55	4.6	28.15	33	PASS
NVNT	Band41	15	39725	36	#Mid	QPSK	23.58	4.6	28.18	33	PASS
NVNT	Band41	15	39725	36	#Max	QPSK	23.46	4.6	28.06	33	PASS
NVNT	Band41	15	39725	75	#0	QPSK	22.97	4.6	27.57	33	PASS
NVNT	Band41	15	39725	1	#0	QAM16	22.60	4.6	27.20	33	PASS
NVNT	Band41	15	39725	1	#Mid	QAM16	22.84	4.6	27.44	33	PASS
NVNT	Band41	15	39725	1	#Max	QAM16	22.40	4.6	27.00	33	PASS
NVNT	Band41	15	39725	36	#0	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	15	39725	36	#Mid	QAM16	22.97	4.6	27.57	33	PASS
NVNT	Band41	15	39725	36	#Max	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	15	40620	1	#0	QPSK	23.71	4.6	28.31	33	PASS
NVNT	Band41	15	40620	1	#Mid	QPSK	24.05	4.6	28.65	33	PASS
NVNT	Band41	15	40620	1	#Max	QPSK	24.29	4.6	28.89	33	PASS
NVNT	Band41	15	40620	36	#0	QPSK	22.96	4.6	27.56	33	PASS
NVNT	Band41	15	40620	36	#Mid	QPSK	23.10	4.6	27.70	33	PASS
NVNT	Band41	15	40620	36	#Max	QPSK	23.33	4.6	27.93	33	PASS
NVNT	Band41	15	40620	75	#0	QPSK	22.97	4.6	27.57	33	PASS
NVNT	Band41	15	40620	1	#0	QAM16	22.72	4.6	27.32	33	PASS
NVNT	Band41	15	40620	1	#Mid	QAM16	23.07	4.6	27.67	33	PASS
NVNT	Band41	15	40620	1	#Max	QAM16	23.20	4.6	27.80	33	PASS
NVNT	Band41	15	40620	36	#0	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	15	40620	36	#Mid	QAM16	22.97	4.6	27.57	33	PASS
NVNT	Band41	15	40620	36	#Max	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	15	41515	1	#0	QPSK	24.68	4.6	29.28	33	PASS
NVNT	Band41	15	41515	1	#Mid	QPSK	24.73	4.6	29.33	33	PASS
NVNT	Band41	15	41515	1	#Max	QPSK	24.53	4.6	29.13	33	PASS
NVNT	Band41	15	41515	36	#0	QPSK	23.84	4.6	28.44	33	PASS
NVNT	Band41	15	41515	36	#Mid	QPSK	23.62	4.6	28.22	33	PASS
NVNT	Band41	15	41515	36	#Max	QPSK	23.51	4.6	28.11	33	PASS
NVNT	Band41	15	41515	75	#0	QPSK	22.97	4.6	27.57	33	PASS
NVNT	Band41	15	41515	1	#0	QAM16	24.83	4.6	29.43	33	PASS
NVNT	Band41	15	41515	1	#Mid	QAM16	24.50	4.6	29.10	33	PASS
NVNT	Band41	15	41515	1	#Max	QAM16	24.17	4.6	28.77	33	PASS
NVNT	Band41	15	41515	36	#0	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	15	41515	36	#Mid	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	15	41515	36	#Max	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	20	39750	1	#0	QPSK	24.40	4.6	29.00	33	PASS
NVNT	Band41	20	39750	1	#Mid	QPSK	24.26	4.6	28.86	33	PASS
NVNT	Band41	20	39750	1	#Max	QPSK	24.11	4.6	28.71	33	PASS
NVNT	Band41	20	39750	50	#0	QPSK	23.33	4.6	27.93	33	PASS
NVNT	Band41	20	39750	50	#Mid	QPSK	23.34	4.6	27.94	33	PASS
NVNT	Band41	20	39750	50	#Max	QPSK	23.24	4.6	27.84	33	PASS
NVNT	Band41	20	39750	100	#0	QPSK	23.11	4.6	27.71	33	PASS
NVNT	Band41	20	39750	1	#0	QAM16	23.04	4.6	27.64	33	PASS
NVNT	Band41	20	39750	1	#Mid	QAM16	23.14	4.6	27.74	33	PASS

NVNT	Band41	20	39750	1	#Max	QAM16	22.94	4.6	27.54	33	PASS
NVNT	Band41	20	39750	50	#0	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	20	39750	50	#Mid	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	20	39750	50	#Max	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	20	40620	1	#0	QPSK	23.64	4.6	28.24	33	PASS
NVNT	Band41	20	40620	1	#Mid	QPSK	24.19	4.6	28.79	33	PASS
NVNT	Band41	20	40620	1	#Max	QPSK	24.47	4.6	29.07	33	PASS
NVNT	Band41	20	40620	50	#0	QPSK	23.09	4.6	27.69	33	PASS
NVNT	Band41	20	40620	50	#Mid	QPSK	23.20	4.6	27.80	33	PASS
NVNT	Band41	20	40620	50	#Max	QPSK	23.33	4.6	27.93	33	PASS
NVNT	Band41	20	40620	100	#0	QPSK	23.11	4.6	27.71	33	PASS
NVNT	Band41	20	40620	1	#0	QAM16	21.84	4.6	26.44	33	PASS
NVNT	Band41	20	40620	1	#Mid	QAM16	22.42	4.6	27.02	33	PASS
NVNT	Band41	20	40620	1	#Max	QAM16	22.97	4.6	27.57	33	PASS
NVNT	Band41	20	40620	50	#0	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	20	40620	50	#Mid	QAM16	23.11	4.6	27.71	33	PASS
NVNT	Band41	20	40620	50	#Max	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	20	41490	1	#0	QPSK	24.96	4.6	29.56	33	PASS
NVNT	Band41	20	41490	1	#Mid	QPSK	24.68	4.6	29.28	33	PASS
NVNT	Band41	20	41490	1	#Max	QPSK	24.40	4.6	29.00	33	PASS
NVNT	Band41	20	41490	50	#0	QPSK	23.93	4.6	28.53	33	PASS
NVNT	Band41	20	41490	50	#Mid	QPSK	23.78	4.6	28.38	33	PASS
NVNT	Band41	20	41490	50	#Max	QPSK	23.49	4.6	28.09	33	PASS
NVNT	Band41	20	41490	100	#0	QPSK	23.11	4.6	27.71	33	PASS
NVNT	Band41	20	41490	1	#0	QAM16	24.25	4.6	28.85	33	PASS
NVNT	Band41	20	41490	1	#Mid	QAM16	24.12	4.6	28.72	33	PASS
NVNT	Band41	20	41490	1	#Max	QAM16	23.70	4.6	28.30	33	PASS
NVNT	Band41	20	41490	50	#0	QAM16	23.38	4.6	27.98	33	PASS
NVNT	Band41	20	41490	50	#Mid	QAM16	23.31	4.6	27.91	33	PASS
NVNT	Band41	20	41490	50	#Max	QAM16	23.19	4.6	27.79	33	PASS

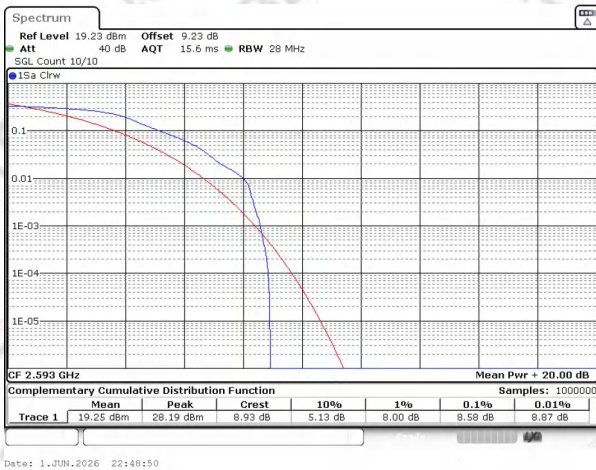
Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band41	20	40640	100	#0	QPSK	VL	NT	0.14	0	PASS
Band41	20	40640	100	#0	QPSK	VN	NT	1.52	0.001	PASS
Band41	20	40640	100	#0	QPSK	VH	NT	0.89	0	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band41	20	40640	100	#0	QPSK	NV	-30	0.04	0	PASS
Band41	20	40640	100	#0	QPSK	NV	-20	-0.5	0	PASS
Band41	20	40640	100	#0	QPSK	NV	-10	-0.27	0	PASS
Band41	20	40640	100	#0	QPSK	NV	0	2.45	0.001	PASS
Band41	20	40640	100	#0	QPSK	NV	10	1.59	0.001	PASS
Band41	20	40640	100	#0	QPSK	NV	20	2.55	0.001	PASS
Band41	20	40640	100	#0	QPSK	NV	30	2.27	0.001	PASS
Band41	20	40640	100	#0	QPSK	NV	40	3.18	0.001	PASS
Band41	20	40640	100	#0	QPSK	NV	50	1.13	0	PASS

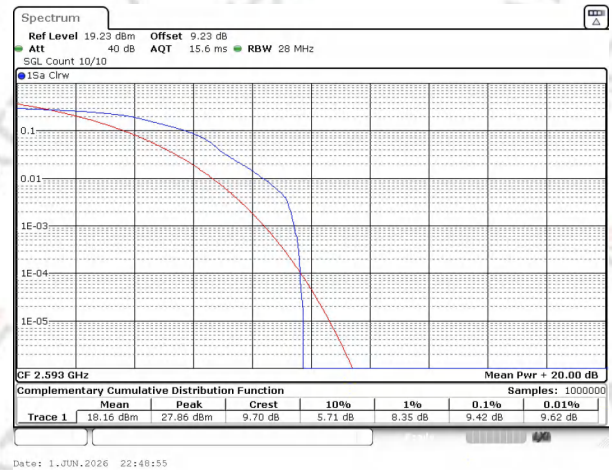
Peak-to-Average Ratio

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band41	5	40620	1	#0	QPSK	8.58	13	PASS
NVNT	Band41	5	40620	1	#0	QAM16	9.42	13	PASS
NVNT	Band41	10	40620	1	#0	QPSK	8.67	13	PASS
NVNT	Band41	10	40620	1	#0	QAM16	9.16	13	PASS
NVNT	Band41	15	40620	1	#0	QPSK	8.38	13	PASS
NVNT	Band41	15	40620	1	#0	QAM16	9.57	13	PASS
NVNT	Band41	20	40620	1	#0	QPSK	8.41	13	PASS
NVNT	Band41	20	40620	1	#0	QAM16	8.87	13	PASS



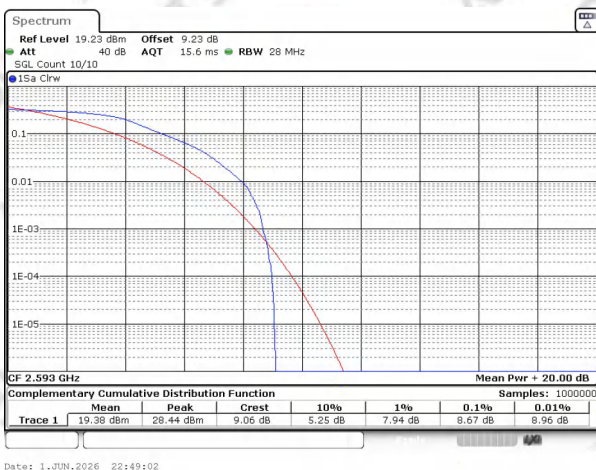
Band41 QPSK BW=5MHz Channel=40620 RB Size=1 Position=#0

NVNT



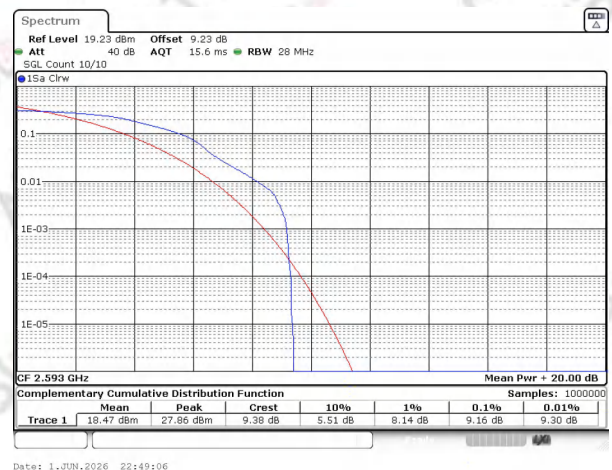
Band41 QAM16 BW=5MHz Channel=40620 RB Size=1 Position=#0

NVNT



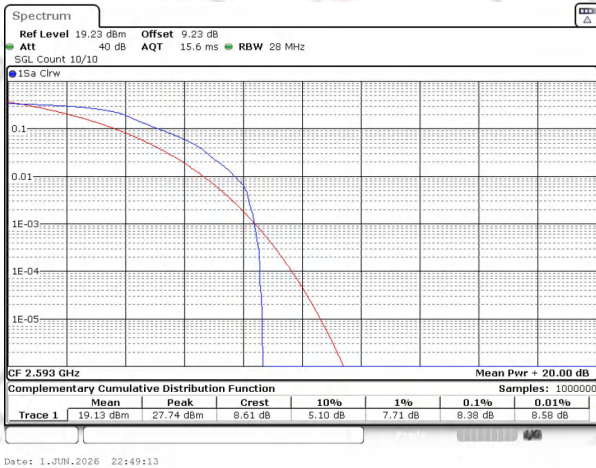
Band41 QPSK BW=10MHz Channel=40620 RB Size=1 Position=#0

NVNT

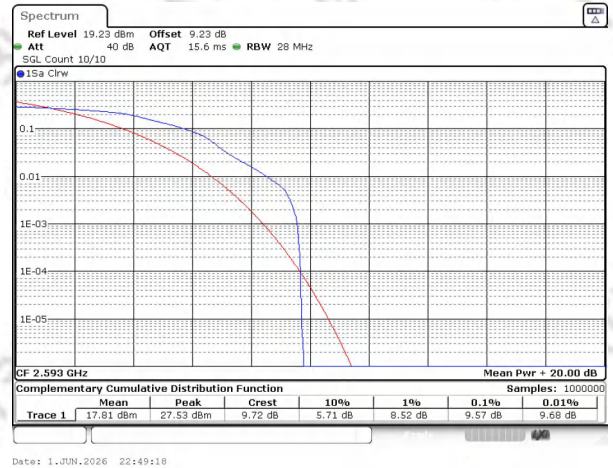


Band41 QAM16 BW=10MHz Channel=40620 RB Size=1 Position=#0

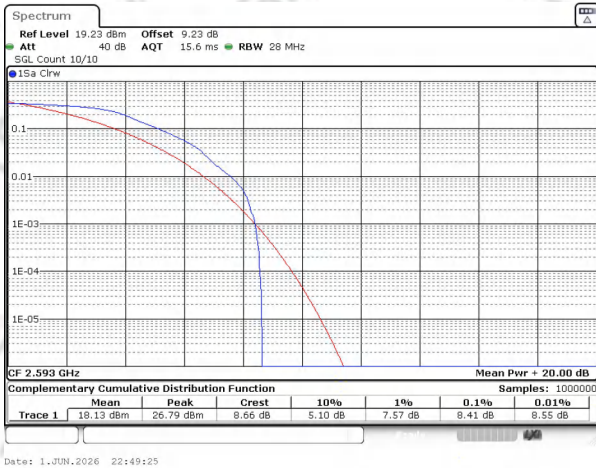
NVNT



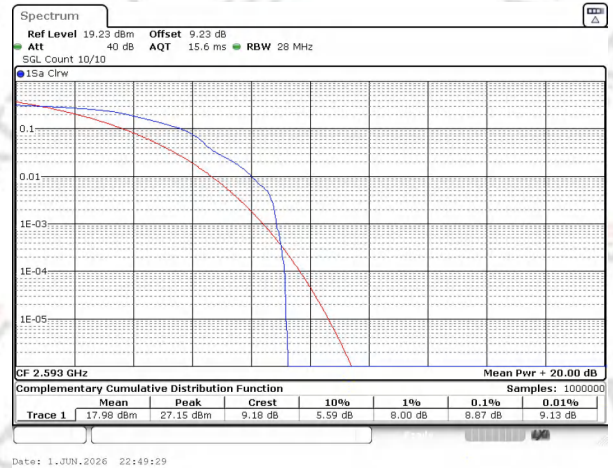
Band41 QPSK BW=15MHz Channel=40620 RB Size=1 Position=#0
NVNT



Band41 QAM16 BW=15MHz Channel=40620 RB Size=1 Position=#0
NVNT



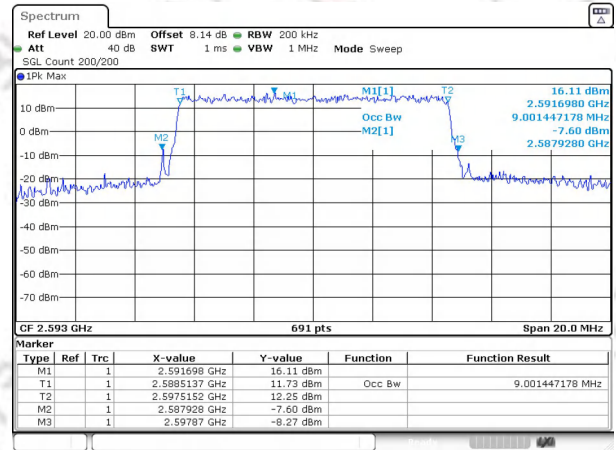
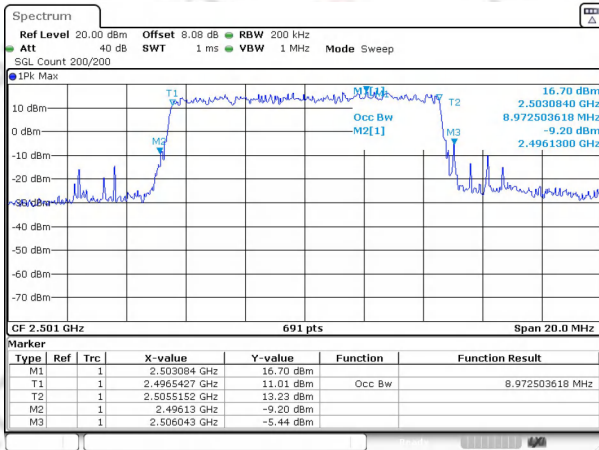
Band41 QPSK BW=20MHz Channel=40620 RB Size=1 Position=#0
NVNT



Band41 QAM16 BW=20MHz Channel=40620 RB Size=1 Position=#0
NVNT

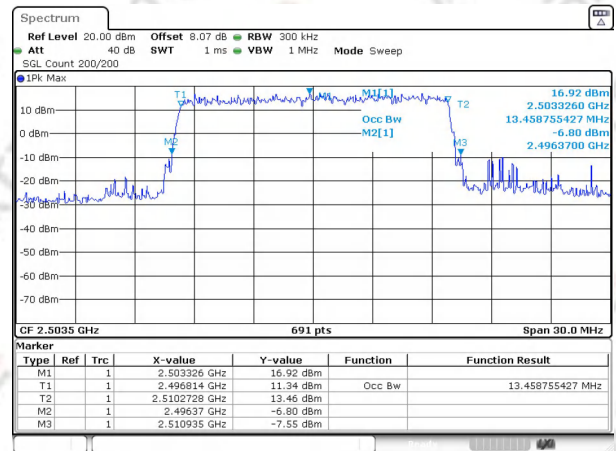
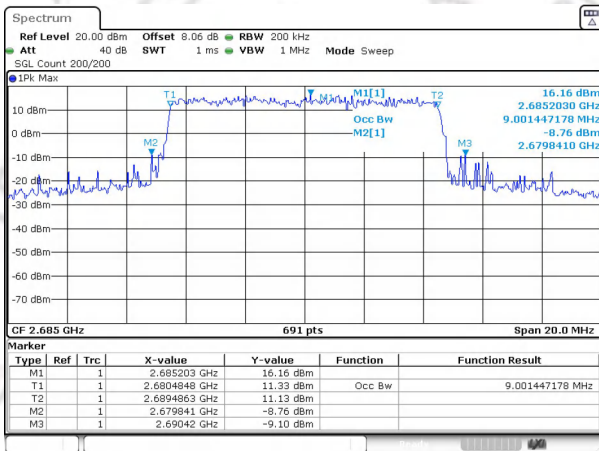
Occupied bandwidth

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band41	5	39675	25	#0	QPSK	4.486	4.899	PASS
NVNT	Band41	5	39675	25	#0	QAM16	4.486	4.797	PASS
NVNT	Band41	5	40620	25	#0	QPSK	4.486	4.870	PASS
NVNT	Band41	5	40620	25	#0	QAM16	4.501	5.058	PASS
NVNT	Band41	5	41565	25	#0	QPSK	4.486	4.797	PASS
NVNT	Band41	5	41565	25	#0	QAM16	4.486	4.797	PASS
NVNT	Band41	10	39700	50	#0	QPSK	8.973	9.565	PASS
NVNT	Band41	10	39700	50	#0	QAM16	8.973	9.913	PASS
NVNT	Band41	10	40620	50	#0	QPSK	8.973	9.971	PASS
NVNT	Band41	10	40620	50	#0	QAM16	9.001	9.942	PASS
NVNT	Band41	10	41540	50	#0	QPSK	8.973	10.232	PASS
NVNT	Band41	10	41540	50	#0	QAM16	9.001	10.580	PASS
NVNT	Band41	15	39725	75	#0	QPSK	13.415	14.652	PASS
NVNT	Band41	15	39725	75	#0	QAM16	13.459	14.565	PASS
NVNT	Band41	15	40620	75	#0	QPSK	13.459	14.565	PASS
NVNT	Band41	15	40620	75	#0	QAM16	13.459	15.435	PASS
NVNT	Band41	15	41515	75	#0	QPSK	13.459	14.913	PASS
NVNT	Band41	15	41515	75	#0	QAM16	13.546	15.870	PASS
NVNT	Band41	20	39750	100	#0	QPSK	17.945	19.652	PASS
NVNT	Band41	20	39750	100	#0	QAM16	17.945	19.188	PASS
NVNT	Band41	20	40620	100	#0	QPSK	17.945	20.058	PASS
NVNT	Band41	20	40620	100	#0	QAM16	18.061	20.290	PASS
NVNT	Band41	20	41490	100	#0	QPSK	18.061	19.420	PASS
NVNT	Band41	20	41490	100	#0	QAM16	17.945	20.116	PASS



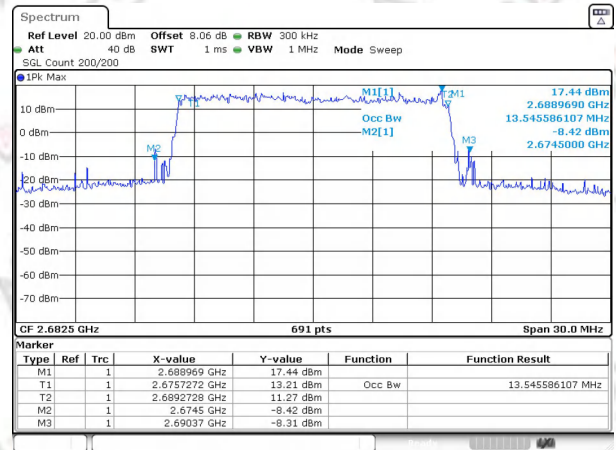
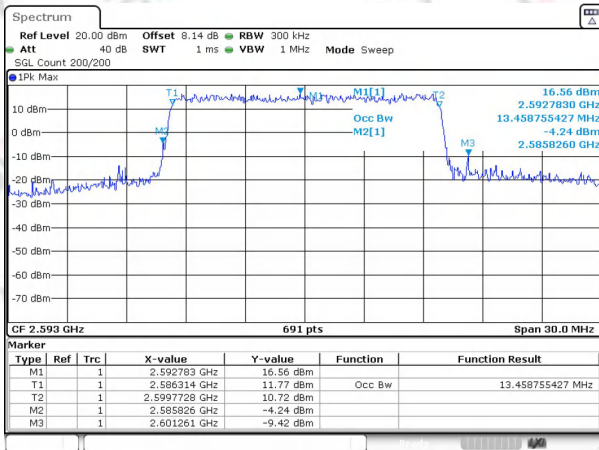
Band41 QAM16 BW=10MHz Channel=39700 RB Size=50 Position=#0

Band41 QAM16 BW=10MHz Channel=40620 RB Size=50 Position=#0



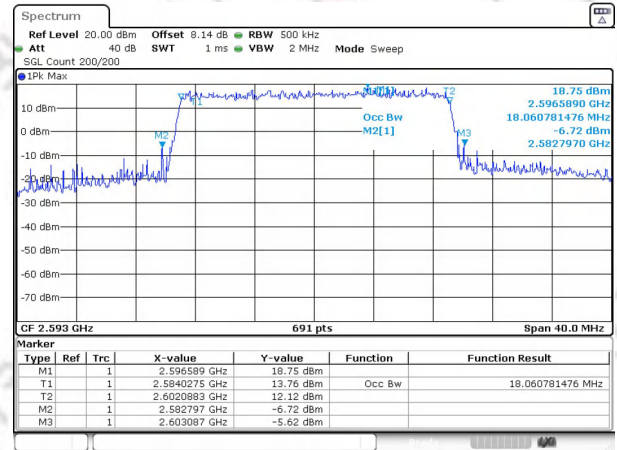
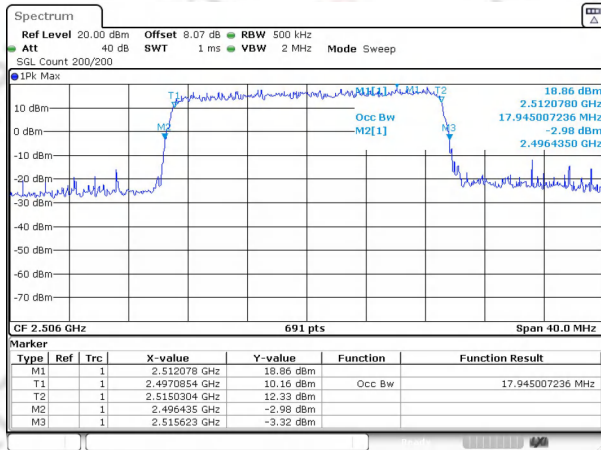
Band41 QAM16 BW=10MHz Channel=41540 RB Size=50 Position=#0

Band41 QAM16 BW=15MHz Channel=39725 RB Size=75 Position=#0



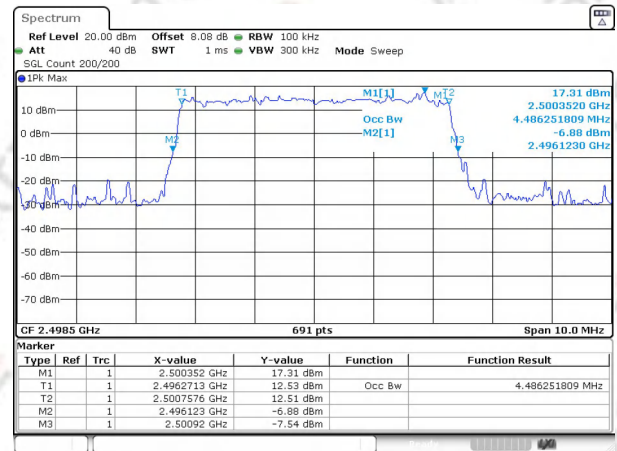
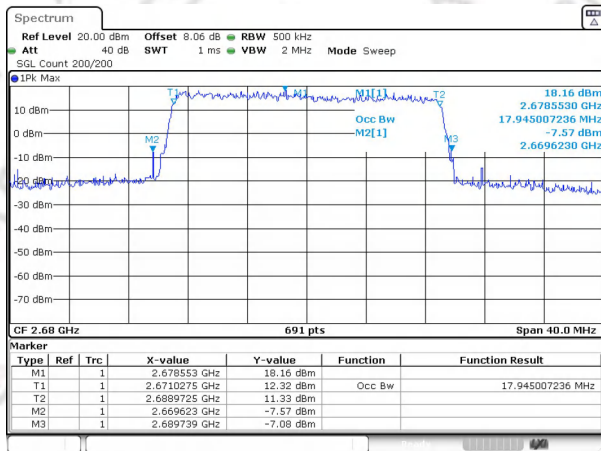
Band41 QAM16 BW=15MHz Channel=40620 RB Size=75 Position=#0

Band41 QAM16 BW=15MHz Channel=41515 RB Size=75 Position=#0



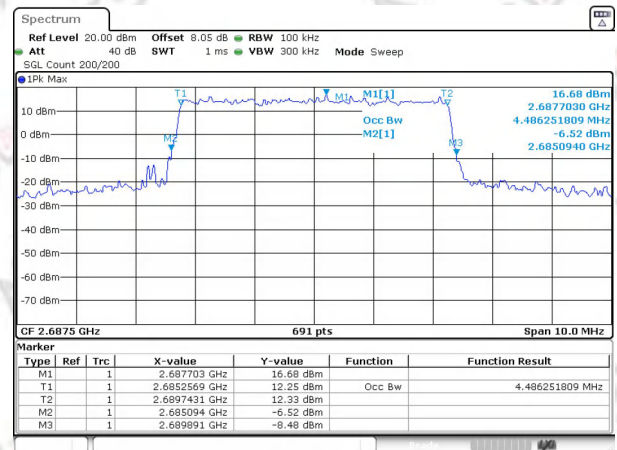
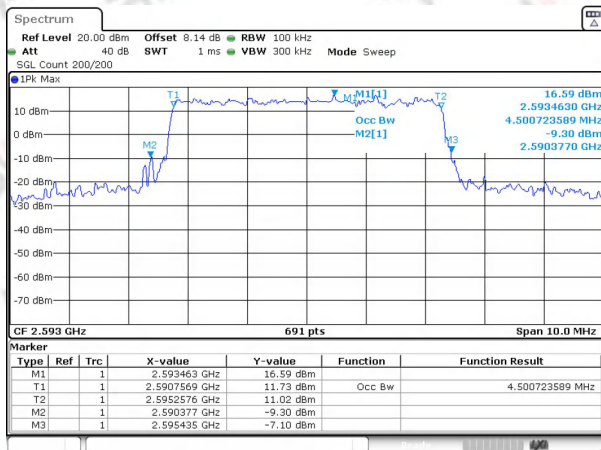
Band41 QAM16 BW=20MHz Channel=39750 RB Size=100 Position=#0

Band41 QAM16 BW=20MHz Channel=40620 RB Size=100 Position=#0



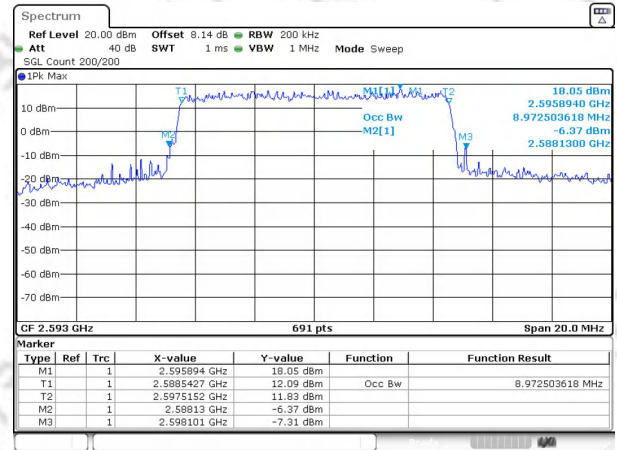
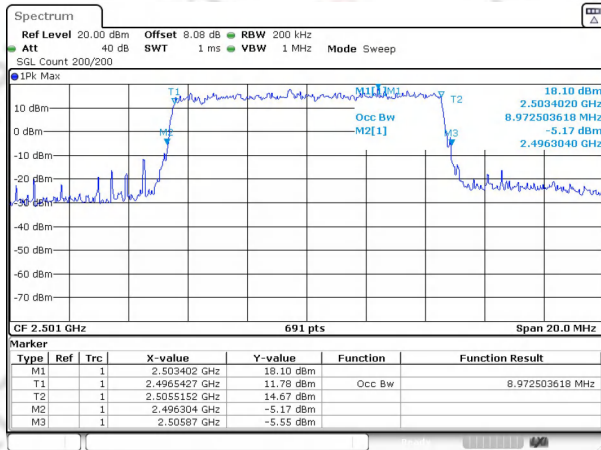
Band41 QAM16 BW=20MHz Channel=41490 RB Size=100 Position=#0

Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0



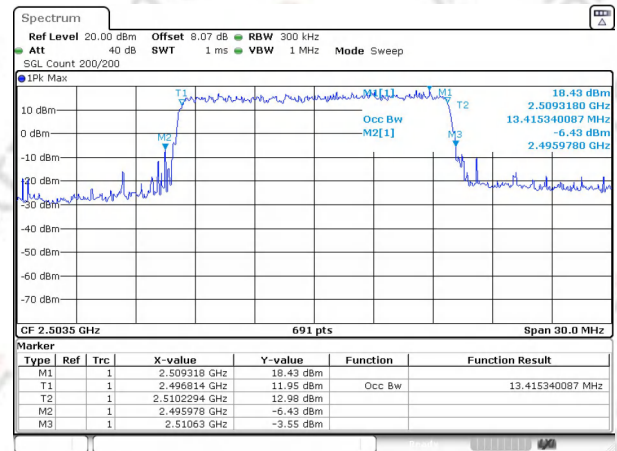
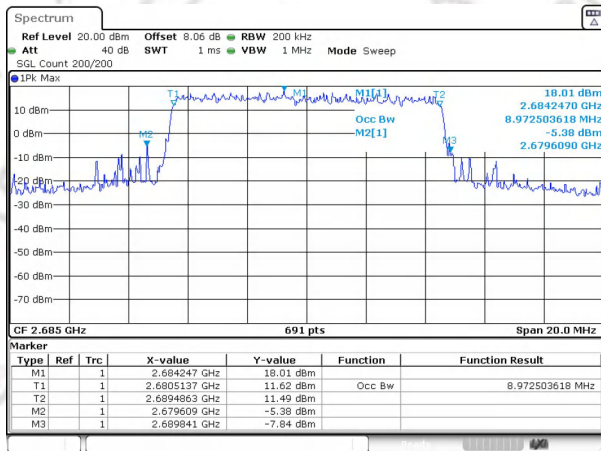
Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0

Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0



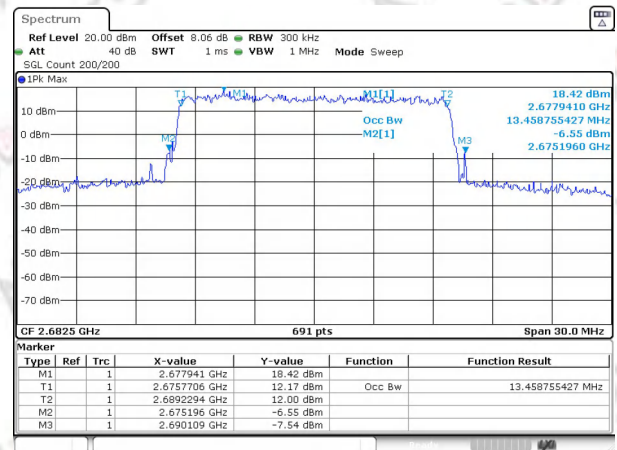
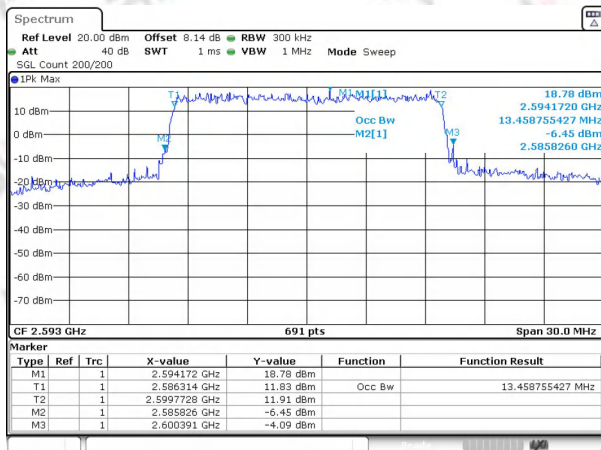
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

Band41 QPSK BW=10MHz Channel=40620 RB Size=50 Position=#0



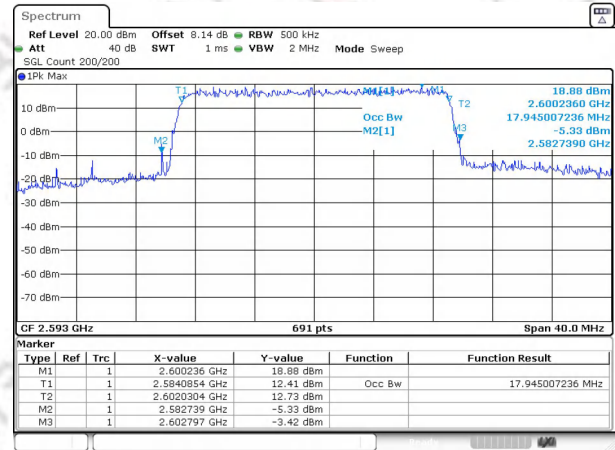
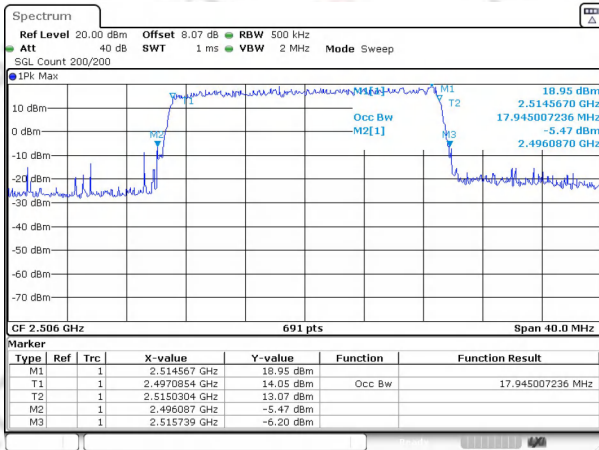
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0

Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0



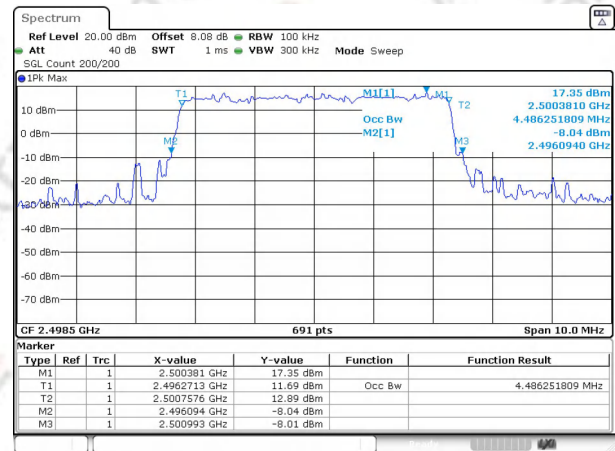
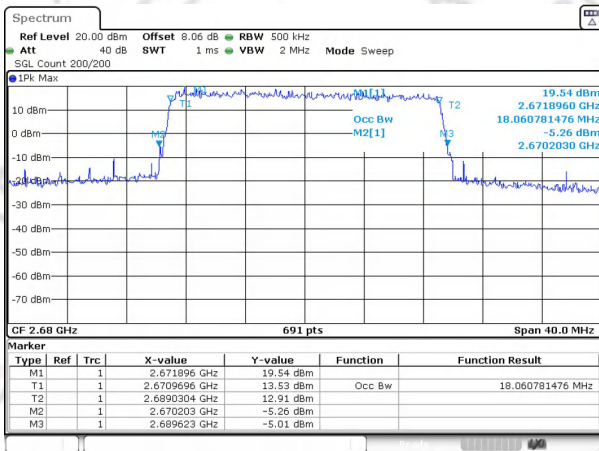
Band41 QPSK BW=15MHz Channel=40620 RB Size=75 Position=#0

Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0



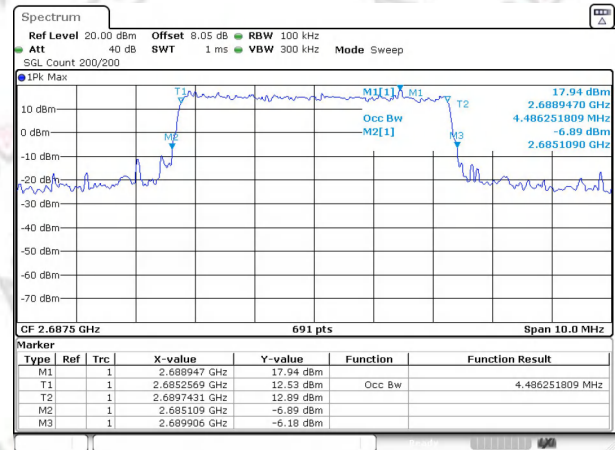
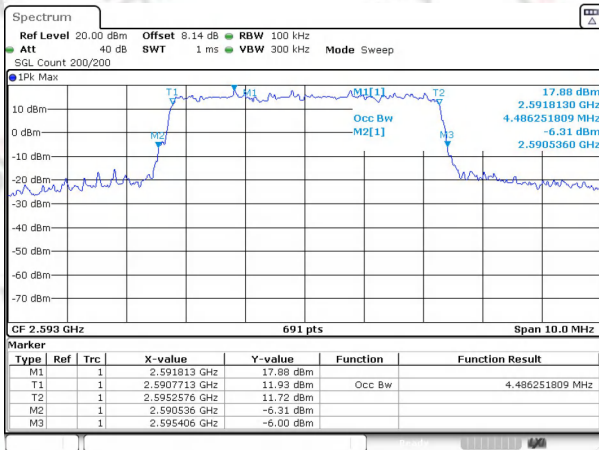
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

Band41 QPSK BW=20MHz Channel=40620 RB Size=100 Position=#0



Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0

Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0

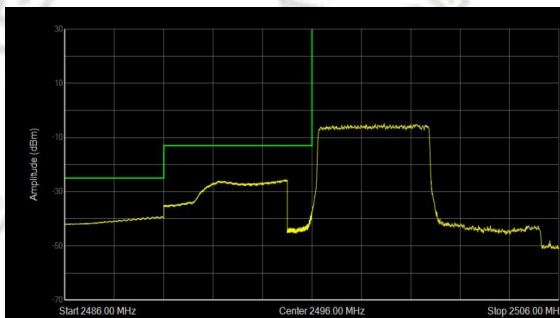


Band41 QPSK BW=5MHz Channel=40620 RB Size=25 Position=#0

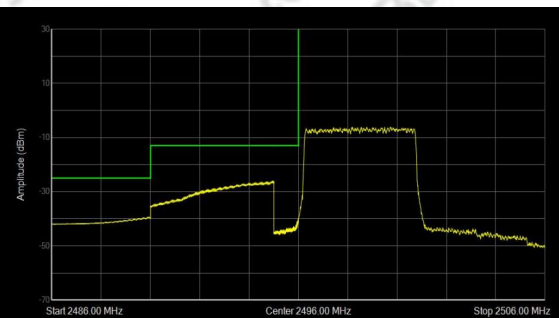
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

Band edge

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band41	5	39675	25	#0	QPSK	2494.94	-25.54	-13	PASS
NVNT	Band41	5	39675	25	#0	QAM16	2494.97	-26.01	-13	PASS
NVNT	Band41	5	41565	25	#0	QPSK	2691.11	-22.91	-10	PASS
NVNT	Band41	5	41565	25	#0	QAM16	2691.01	-23.33	-10	PASS
NVNT	Band41	10	39700	50	#0	QPSK	2494.97	-27.42	-13	PASS
NVNT	Band41	10	41540	50	#0	QPSK	2691.04	-23.75	-10	PASS
NVNT	Band41	15	39725	75	#0	QPSK	2494.97	-28.54	-13	PASS
NVNT	Band41	15	41515	75	#0	QPSK	2692.11	-23.10	-10	PASS
NVNT	Band41	20	39750	100	#0	QPSK	2475.91	-43.16	-25	PASS
NVNT	Band41	20	41490	100	#0	QPSK	2691.08	-24.49	-10	PASS



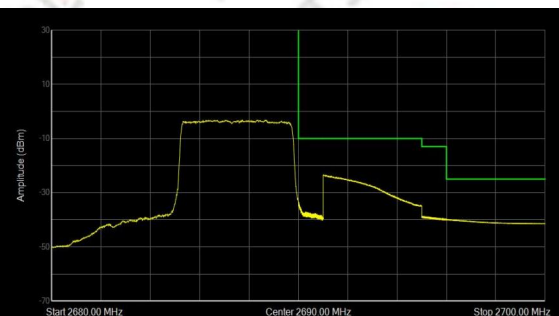
Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0
NVNT



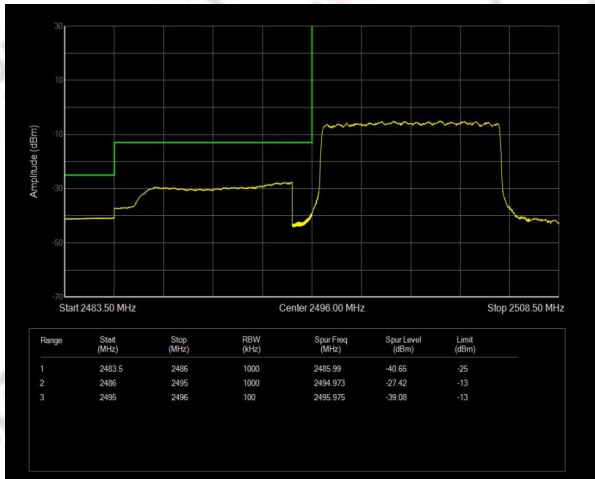
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0
NVNT



Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0
NVNT

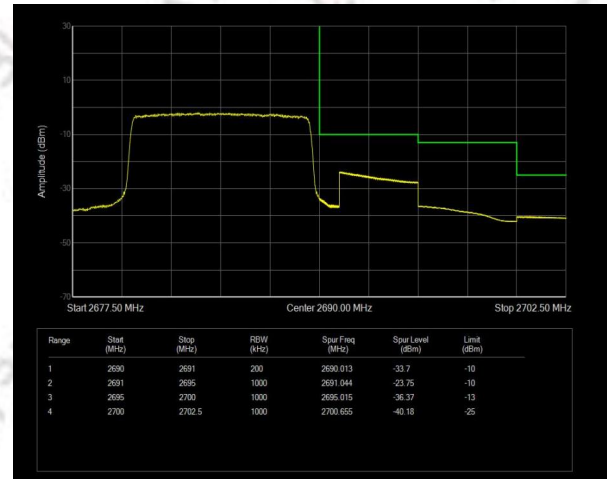


Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0
NVNT



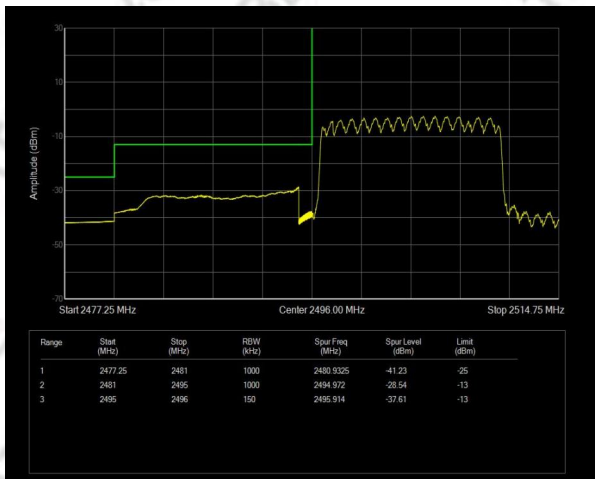
Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0

NVNT



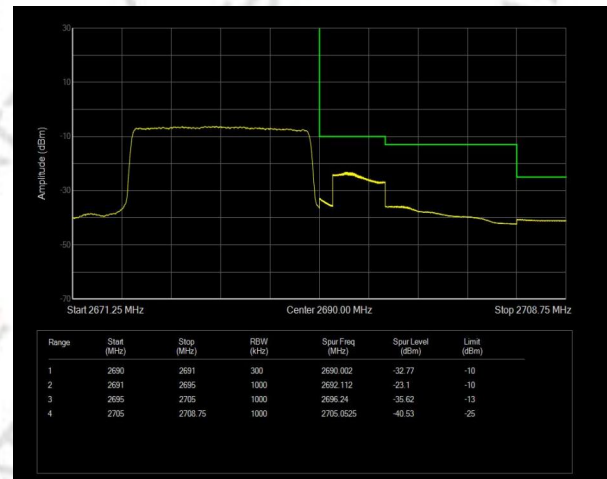
Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0

NVNT



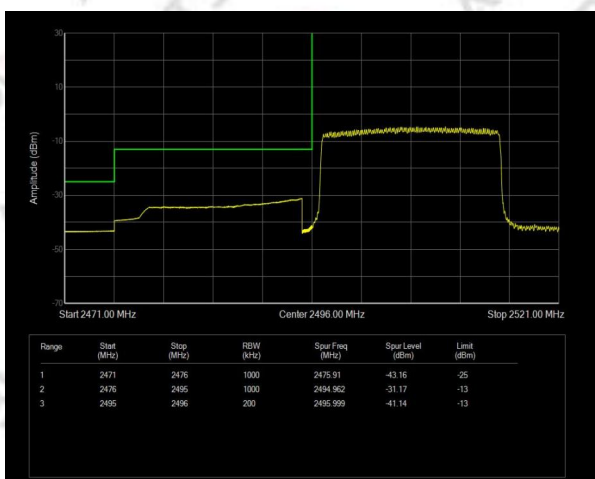
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

NVNT



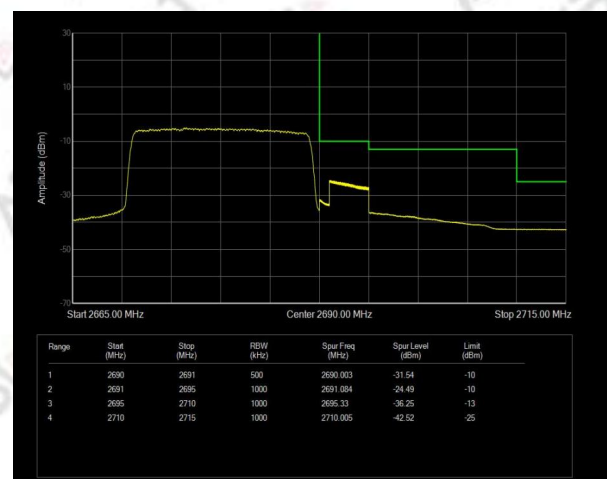
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

NVNT



Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

NVNT

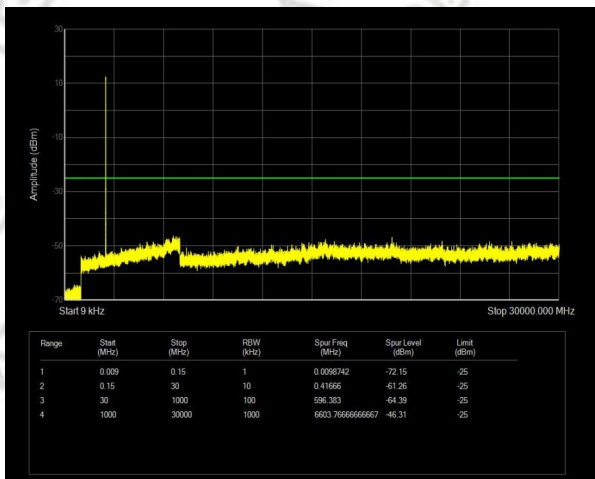


Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0

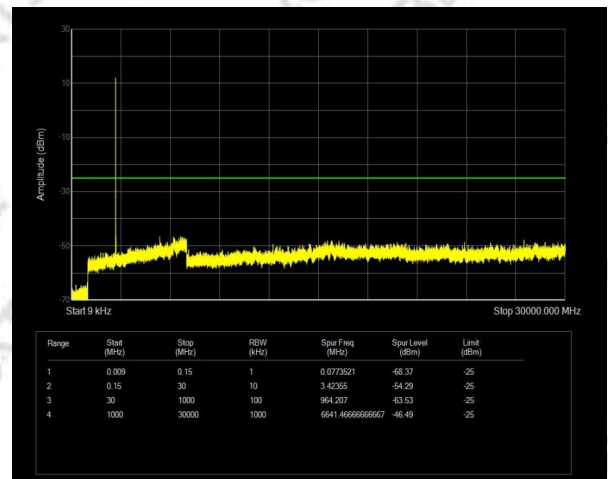
NVNT

Out-of-band emissions

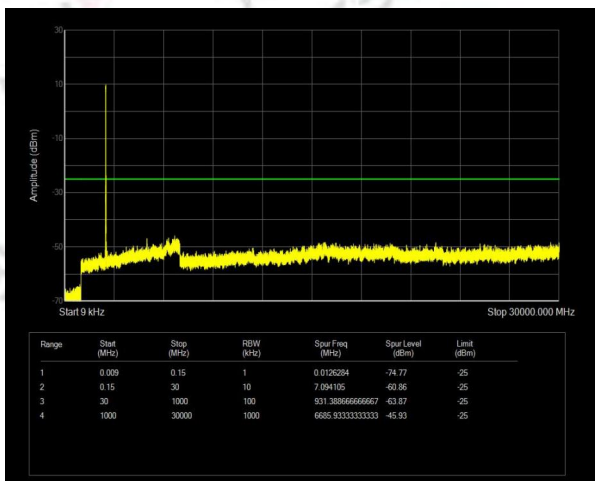
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band41	5	39675	25	#0	QPSK	6629.87	-46.75	-25	PASS
NVNT	Band41	5	39675	25	#0	QAM16	6603.77	-46.31	-25	PASS
NVNT	Band41	5	41565	25	#0	QPSK	6195.83	-44.97	-25	PASS
NVNT	Band41	5	41565	25	#0	QAM16	6641.47	-46.49	-25	PASS
NVNT	Band41	10	39700	50	#0	QPSK	6685.93	-45.93	-25	PASS
NVNT	Band41	10	41540	50	#0	QPSK	6635.67	-46.75	-25	PASS
NVNT	Band41	15	39725	75	#0	QPSK	6659.83	-46.34	-25	PASS
NVNT	Band41	15	41515	75	#0	QPSK	5.50	-44.94	-25	PASS
NVNT	Band41	20	39750	100	#0	QPSK	6508.07	-46.67	-25	PASS
NVNT	Band41	20	41490	100	#0	QPSK	6530.30	-45.26	-25	PASS



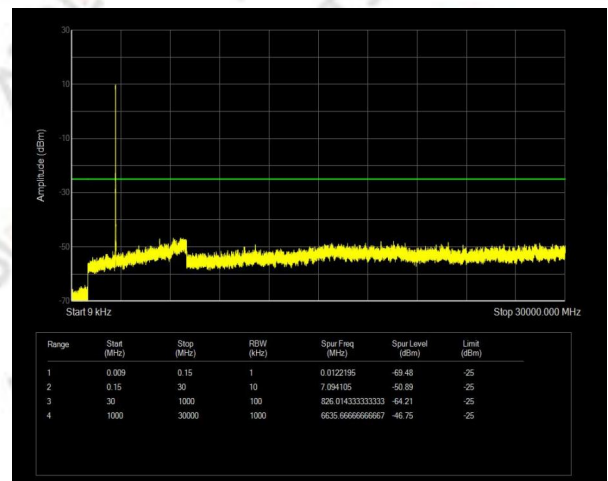
Band41 QAM16 BW=5MHz Channel=39675 RB Size=25 Position=#0
NVNT



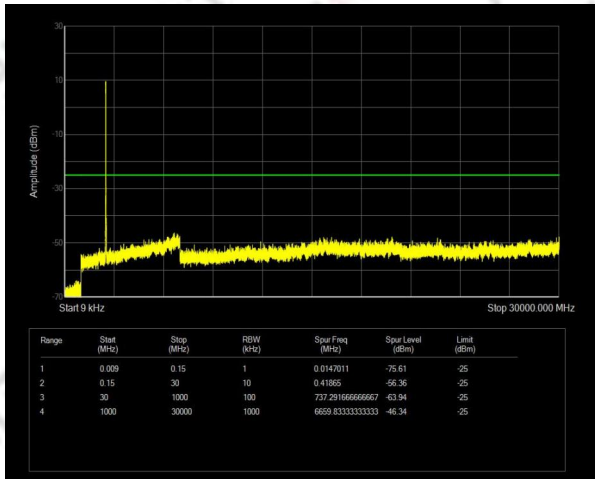
Band41 QAM16 BW=5MHz Channel=41565 RB Size=25 Position=#0
NVNT



Band41 QPSK BW=10MHz Channel=39700 RB Size=50 Position=#0
NVNT

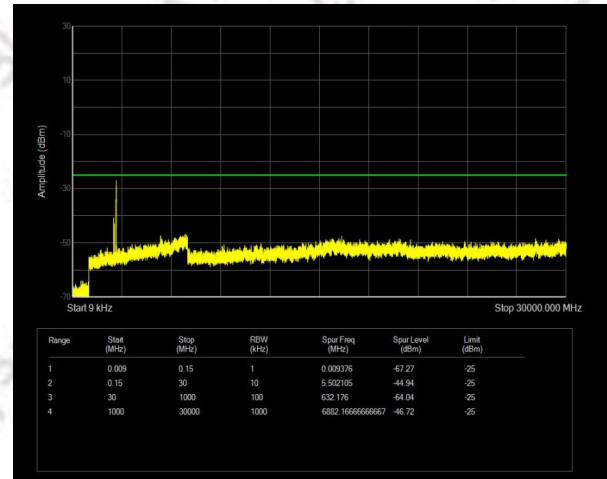


Band41 QPSK BW=10MHz Channel=41540 RB Size=50 Position=#0
NVNT



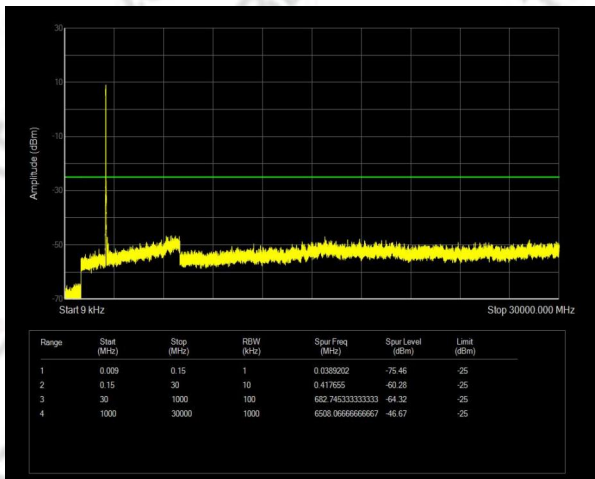
Band41 QPSK BW=15MHz Channel=39725 RB Size=75 Position=#0

NVNT



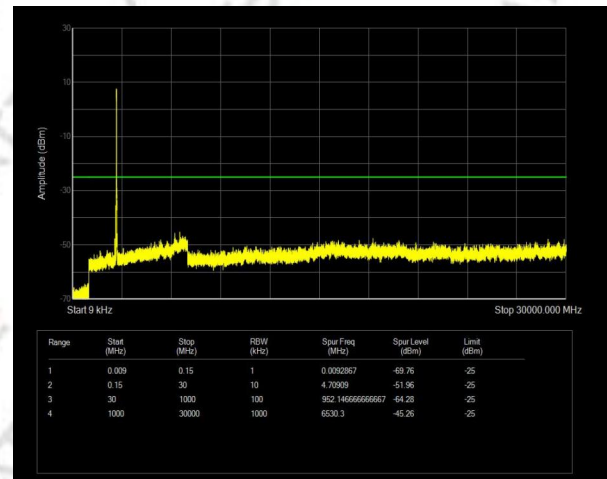
Band41 QPSK BW=15MHz Channel=41515 RB Size=75 Position=#0

NVNT



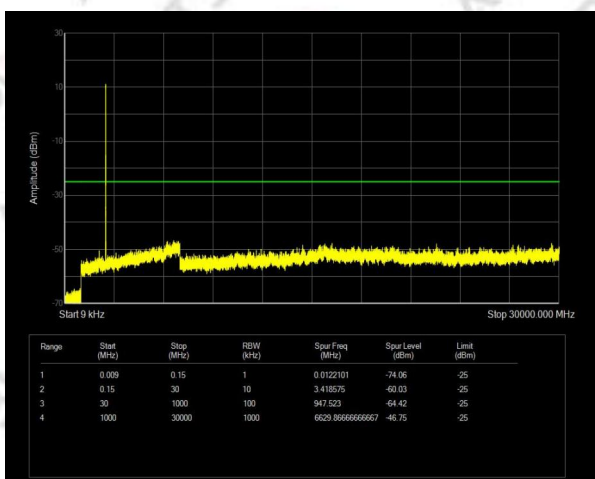
Band41 QPSK BW=20MHz Channel=39750 RB Size=100 Position=#0

NVNT



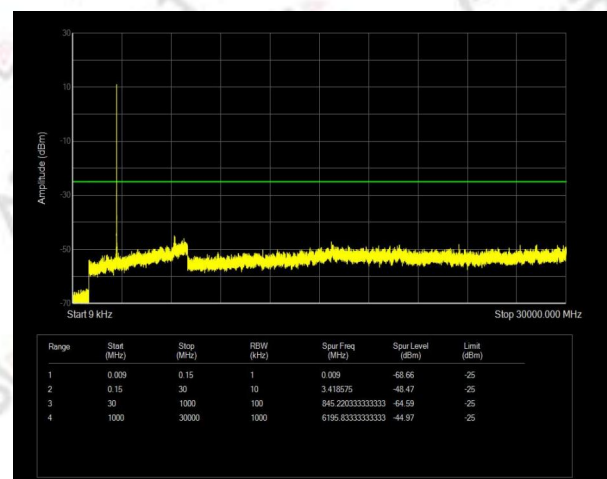
Band41 QPSK BW=20MHz Channel=41490 RB Size=100 Position=#0

NVNT



Band41 QPSK BW=5MHz Channel=39675 RB Size=25 Position=#0

NVNT



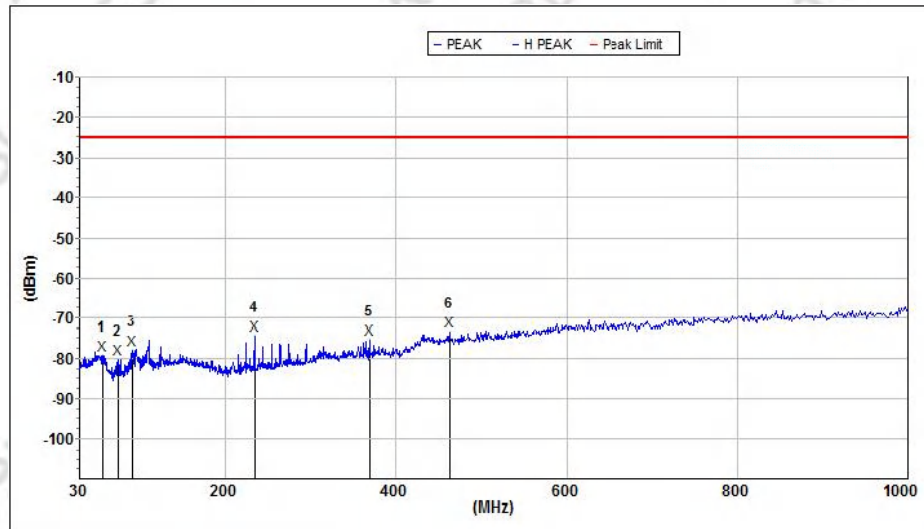
Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

NVNT

Radiated Test Data

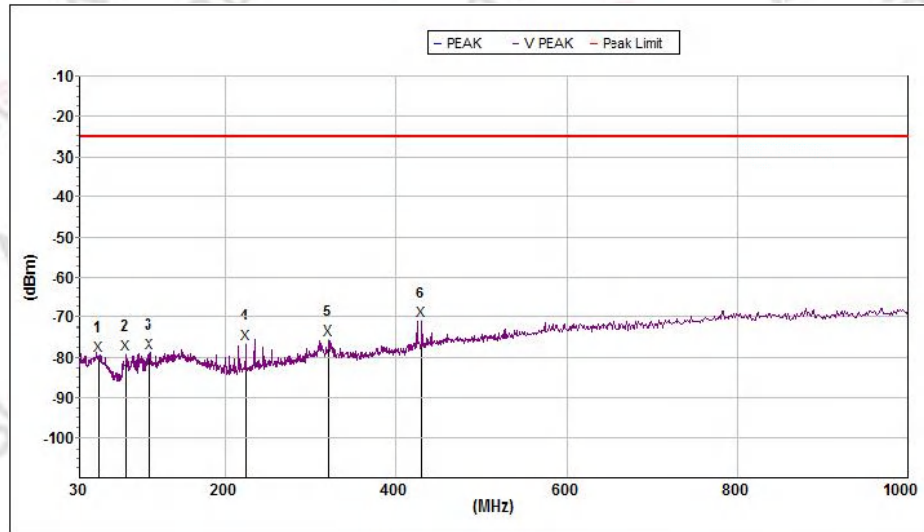
For 30 MHz ~ 1 GHz

Mode:QPSK / Middle Channel / Horizontal



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	56.099	-79.0	-25.0	54.0	-11.3	31.1	1.2	H
2	74.919	-80.1	-25.0	55.1	-15.7	32.6	1.3	H
3	90.537	-77.6	-25.0	52.6	-15.3	31.4	1.3	H
4	234.991	-74.0	-25.0	49.0	-13.2	32.0	1.8	H
5	369.405	-75.1	-25.0	50.1	-10.0	32.9	2.2	H
6	463.157	-73.3	-25.0	48.3	-6.1	32.1	3.0	H

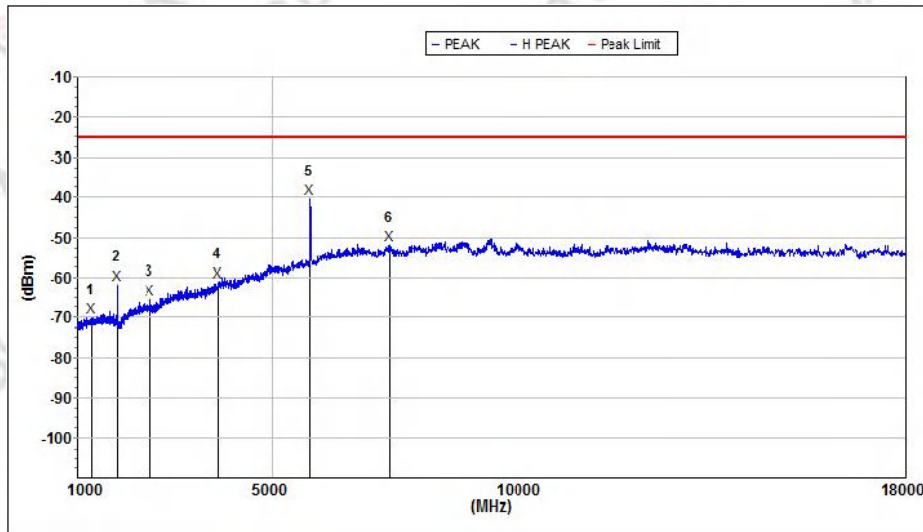
Mode:QPSK / Middle Channel / Vertical



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	52.760	-79.3	-25.0	54.3	-10.6	31.0	1.2	V
2	83.816	-79.2	-25.0	54.2	-15.8	31.9	1.3	V
3	111.347	-78.6	-25.0	53.6	-13.7	30.9	1.4	V
4	224.913	-76.5	-25.0	51.5	-13.5	31.9	1.8	V
5	321.061	-75.4	-25.0	50.4	-10.8	32.5	2.1	V
6	429.523	-70.8	-25.0	45.8	-7.6	32.7	2.8	V

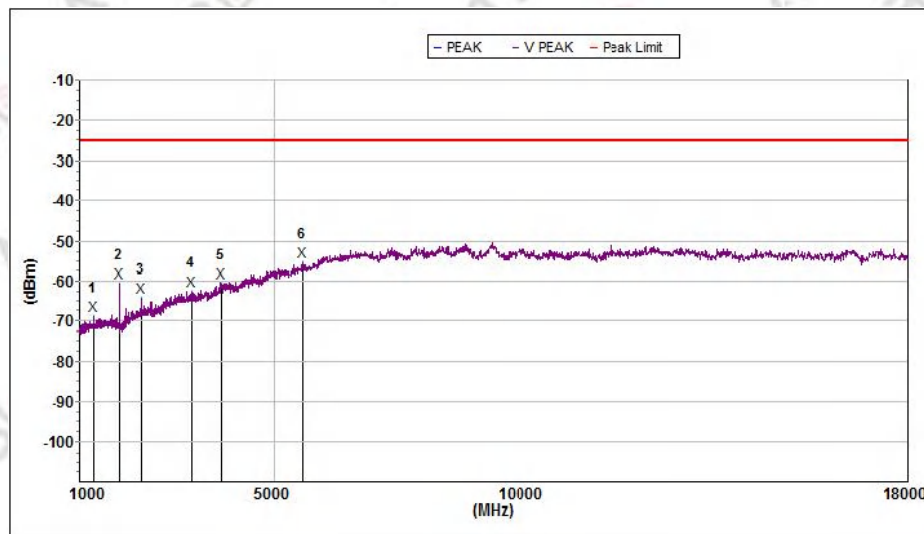
For 1 GHz ~ 18 GHz

Mode:QPSK / Middle Channel / Horizontal



Mk.	Freq. (MHz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Factor (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	1285.403	-69.9	-25.0	44.9	-23.8	53.5	4.1	H
2	1799.385	-61.5	-25.0	36.5	-23.7	53.7	4.9	H
3	2498.699	-65.2	-25.0	40.2	-20.7	54.1	5.8	H
4	3883.575	-61.1	-25.0	36.1	-14.9	53.3	7.8	H
5	5763.942	-40.3	-25.0	15.3	-8.9	51.9	9.5	H
6	7394.698	-51.9	-25.0	26.9	-4.6	51.8	11.0	H

Mode:QPSK / Middle Channel / Vertical



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Factor (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak								
1	1295.789	-68.6	-25.0	43.6	-23.8	53.5	4.1	V
2	1799.385	-60.3	-25.0	35.3	-23.7	53.7	4.9	V
3	2246.891	-63.8	-25.0	38.8	-21.6	54.0	5.4	V
4	3300.926	-62.4	-25.0	37.4	-17.6	53.9	6.8	V
5	3892.962	-60.2	-25.0	35.2	-14.9	53.3	7.8	V
6	5571.570	-55.0	-25.0	30.0	-9.8	52.2	9.3	V

*****END OF THE APPENDIX*****