

Appendix A8.4

LTE Band 7 Test Data

Conducted Test Data

Conducted Output Power and EIRP

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
NVNT	Band7	5	20775	1	#0	QPSK	20.12	1.65	21.77	33	PASS
NVNT	Band7	5	20775	1	#Mid	QPSK	20.61	1.65	22.26	33	PASS
NVNT	Band7	5	20775	1	#Max	QPSK	20.03	1.65	21.68	33	PASS
NVNT	Band7	5	20775	12	#0	QPSK	20.28	1.65	21.93	33	PASS
NVNT	Band7	5	20775	12	#Mid	QPSK	20.24	1.65	21.89	33	PASS
NVNT	Band7	5	20775	12	#Max	QPSK	20.17	1.65	21.82	33	PASS
NVNT	Band7	5	20775	25	#0	QPSK	20.24	1.65	21.89	33	PASS
NVNT	Band7	5	20775	1	#0	QAM16	20.45	1.65	22.10	33	PASS
NVNT	Band7	5	20775	1	#Mid	QAM16	20.85	1.65	22.50	33	PASS
NVNT	Band7	5	20775	1	#Max	QAM16	20.42	1.65	22.07	33	PASS
NVNT	Band7	5	20775	12	#0	QAM16	20.21	1.65	21.86	33	PASS
NVNT	Band7	5	20775	12	#Mid	QAM16	20.26	1.65	21.91	33	PASS
NVNT	Band7	5	20775	12	#Max	QAM16	20.13	1.65	21.78	33	PASS
NVNT	Band7	5	20775	25	#0	QAM16	20.16	1.65	21.81	33	PASS
NVNT	Band7	5	21100	1	#0	QPSK	20.12	1.65	21.77	33	PASS
NVNT	Band7	5	21100	1	#Mid	QPSK	20.64	1.65	22.29	33	PASS
NVNT	Band7	5	21100	1	#Max	QPSK	20.10	1.65	21.75	33	PASS
NVNT	Band7	5	21100	12	#0	QPSK	20.16	1.65	21.81	33	PASS
NVNT	Band7	5	21100	12	#Mid	QPSK	20.24	1.65	21.89	33	PASS
NVNT	Band7	5	21100	12	#Max	QPSK	20.12	1.65	21.77	33	PASS
NVNT	Band7	5	21100	25	#0	QPSK	20.19	1.65	21.84	33	PASS
NVNT	Band7	5	21100	1	#0	QAM16	20.66	1.65	22.31	33	PASS
NVNT	Band7	5	21100	1	#Mid	QAM16	21.07	1.65	22.72	33	PASS
NVNT	Band7	5	21100	1	#Max	QAM16	20.60	1.65	22.25	33	PASS
NVNT	Band7	5	21100	12	#0	QAM16	20.14	1.65	21.79	33	PASS
NVNT	Band7	5	21100	12	#Mid	QAM16	20.21	1.65	21.86	33	PASS
NVNT	Band7	5	21100	12	#Max	QAM16	20.11	1.65	21.76	33	PASS
NVNT	Band7	5	21100	25	#0	QAM16	20.15	1.65	21.80	33	PASS
NVNT	Band7	5	21425	1	#0	QPSK	20.09	1.65	21.74	33	PASS
NVNT	Band7	5	21425	1	#Mid	QPSK	20.28	1.65	21.93	33	PASS
NVNT	Band7	5	21425	1	#Max	QPSK	19.98	1.65	21.63	33	PASS
NVNT	Band7	5	21425	12	#0	QPSK	20.07	1.65	21.72	33	PASS
NVNT	Band7	5	21425	12	#Mid	QPSK	20.13	1.65	21.78	33	PASS
NVNT	Band7	5	21425	12	#Max	QPSK	20.15	1.65	21.80	33	PASS
NVNT	Band7	5	21425	25	#0	QPSK	20.13	1.65	21.78	33	PASS
NVNT	Band7	5	21425	1	#0	QAM16	20.36	1.65	22.01	33	PASS
NVNT	Band7	5	21425	1	#Mid	QAM16	20.73	1.65	22.38	33	PASS

NVNT	Band7	5	21425	1	#Max	QAM16	20.29	1.65	21.94	33	PASS
NVNT	Band7	5	21425	12	#0	QAM16	20.01	1.65	21.66	33	PASS
NVNT	Band7	5	21425	12	#Mid	QAM16	20.08	1.65	21.73	33	PASS
NVNT	Band7	5	21425	12	#Max	QAM16	20.07	1.65	21.72	33	PASS
NVNT	Band7	5	21425	25	#0	QAM16	20.13	1.65	21.78	33	PASS
NVNT	Band7	10	20800	1	#0	QPSK	20.17	1.65	21.82	33	PASS
NVNT	Band7	10	20800	1	#Mid	QPSK	20.29	1.65	21.94	33	PASS
NVNT	Band7	10	20800	1	#Max	QPSK	20.12	1.65	21.77	33	PASS
NVNT	Band7	10	20800	25	#0	QPSK	20.29	1.65	21.94	33	PASS
NVNT	Band7	10	20800	25	#Mid	QPSK	20.23	1.65	21.88	33	PASS
NVNT	Band7	10	20800	25	#Max	QPSK	20.21	1.65	21.86	33	PASS
NVNT	Band7	10	20800	50	#0	QPSK	20.24	1.65	21.89	33	PASS
NVNT	Band7	10	20800	1	#0	QAM16	20.56	1.65	22.21	33	PASS
NVNT	Band7	10	20800	1	#Mid	QAM16	20.72	1.65	22.37	33	PASS
NVNT	Band7	10	20800	1	#Max	QAM16	20.52	1.65	22.17	33	PASS
NVNT	Band7	10	20800	25	#0	QAM16	20.31	1.65	21.96	33	PASS
NVNT	Band7	10	20800	25	#Mid	QAM16	20.29	1.65	21.94	33	PASS
NVNT	Band7	10	20800	25	#Max	QAM16	20.14	1.65	21.79	33	PASS
NVNT	Band7	10	20800	50	#0	QAM16	20.25	1.65	21.90	33	PASS
NVNT	Band7	10	21100	1	#0	QPSK	20.19	1.65	21.84	33	PASS
NVNT	Band7	10	21100	1	#Mid	QPSK	20.30	1.65	21.95	33	PASS
NVNT	Band7	10	21100	1	#Max	QPSK	20.12	1.65	21.77	33	PASS
NVNT	Band7	10	21100	25	#0	QPSK	20.26	1.65	21.91	33	PASS
NVNT	Band7	10	21100	25	#Mid	QPSK	20.19	1.65	21.84	33	PASS
NVNT	Band7	10	21100	25	#Max	QPSK	20.17	1.65	21.82	33	PASS
NVNT	Band7	10	21100	50	#0	QPSK	20.20	1.65	21.85	33	PASS
NVNT	Band7	10	21100	1	#0	QAM16	20.40	1.65	22.05	33	PASS
NVNT	Band7	10	21100	1	#Mid	QAM16	20.51	1.65	22.16	33	PASS
NVNT	Band7	10	21100	1	#Max	QAM16	20.23	1.65	21.88	33	PASS
NVNT	Band7	10	21100	25	#0	QAM16	20.28	1.65	21.93	33	PASS
NVNT	Band7	10	21100	25	#Mid	QAM16	20.23	1.65	21.88	33	PASS
NVNT	Band7	10	21100	25	#Max	QAM16	20.20	1.65	21.85	33	PASS
NVNT	Band7	10	21100	50	#0	QAM16	20.24	1.65	21.89	33	PASS
NVNT	Band7	10	21400	1	#0	QPSK	20.15	1.65	21.80	33	PASS
NVNT	Band7	10	21400	1	#Mid	QPSK	20.32	1.65	21.97	33	PASS
NVNT	Band7	10	21400	1	#Max	QPSK	20.09	1.65	21.74	33	PASS
NVNT	Band7	10	21400	25	#0	QPSK	20.07	1.65	21.72	33	PASS
NVNT	Band7	10	21400	25	#Mid	QPSK	20.04	1.65	21.69	33	PASS
NVNT	Band7	10	21400	25	#Max	QPSK	19.90	1.65	21.55	33	PASS
NVNT	Band7	10	21400	50	#0	QPSK	19.88	1.65	21.53	33	PASS
NVNT	Band7	10	21400	1	#0	QAM16	19.52	1.65	21.17	33	PASS
NVNT	Band7	10	21400	1	#Mid	QAM16	19.69	1.65	21.34	33	PASS
NVNT	Band7	10	21400	1	#Max	QAM16	19.53	1.65	21.18	33	PASS
NVNT	Band7	10	21400	25	#0	QAM16	19.67	1.65	21.32	33	PASS
NVNT	Band7	10	21400	25	#Mid	QAM16	19.67	1.65	21.32	33	PASS
NVNT	Band7	10	21400	25	#Max	QAM16	19.74	1.65	21.39	33	PASS

NVNT	Band7	10	21400	50	#0	QAM16	19.78	1.65	21.43	33	PASS
NVNT	Band7	15	20825	1	#0	QPSK	19.87	1.65	21.52	33	PASS
NVNT	Band7	15	20825	1	#Mid	QPSK	20.39	1.65	22.04	33	PASS
NVNT	Band7	15	20825	1	#Max	QPSK	20.00	1.65	21.65	33	PASS
NVNT	Band7	15	20825	36	#0	QPSK	20.32	1.65	21.97	33	PASS
NVNT	Band7	15	20825	36	#Mid	QPSK	20.25	1.65	21.90	33	PASS
NVNT	Band7	15	20825	36	#Max	QPSK	20.18	1.65	21.83	33	PASS
NVNT	Band7	15	20825	75	#0	QPSK	20.27	1.65	21.92	33	PASS
NVNT	Band7	15	20825	1	#0	QAM16	20.56	1.65	22.21	33	PASS
NVNT	Band7	15	20825	1	#Mid	QAM16	20.86	1.65	22.51	33	PASS
NVNT	Band7	15	20825	1	#Max	QAM16	20.47	1.65	22.12	33	PASS
NVNT	Band7	15	20825	36	#0	QAM16	20.24	1.65	21.89	33	PASS
NVNT	Band7	15	20825	36	#Mid	QAM16	20.24	1.65	21.89	33	PASS
NVNT	Band7	15	20825	36	#Max	QAM16	20.22	1.65	21.87	33	PASS
NVNT	Band7	15	20825	75	#0	QAM16	20.22	1.65	21.87	33	PASS
NVNT	Band7	15	21100	1	#0	QPSK	20.11	1.65	21.76	33	PASS
NVNT	Band7	15	21100	1	#Mid	QPSK	20.41	1.65	22.06	33	PASS
NVNT	Band7	15	21100	1	#Max	QPSK	20.07	1.65	21.72	33	PASS
NVNT	Band7	15	21100	36	#0	QPSK	20.29	1.65	21.94	33	PASS
NVNT	Band7	15	21100	36	#Mid	QPSK	20.26	1.65	21.91	33	PASS
NVNT	Band7	15	21100	36	#Max	QPSK	20.16	1.65	21.81	33	PASS
NVNT	Band7	15	21100	75	#0	QPSK	20.26	1.65	21.91	33	PASS
NVNT	Band7	15	21100	1	#0	QAM16	20.29	1.65	21.94	33	PASS
NVNT	Band7	15	21100	1	#Mid	QAM16	20.71	1.65	22.36	33	PASS
NVNT	Band7	15	21100	1	#Max	QAM16	20.27	1.65	21.92	33	PASS
NVNT	Band7	15	21100	36	#0	QAM16	20.34	1.65	21.99	33	PASS
NVNT	Band7	15	21100	36	#Mid	QAM16	20.32	1.65	21.97	33	PASS
NVNT	Band7	15	21100	36	#Max	QAM16	20.21	1.65	21.86	33	PASS
NVNT	Band7	15	21100	75	#0	QAM16	20.17	1.65	21.82	33	PASS
NVNT	Band7	15	21375	1	#0	QPSK	20.11	1.65	21.76	33	PASS
NVNT	Band7	15	21375	1	#Mid	QPSK	20.44	1.65	22.09	33	PASS
NVNT	Band7	15	21375	1	#Max	QPSK	20.03	1.65	21.68	33	PASS
NVNT	Band7	15	21375	36	#0	QPSK	20.26	1.65	21.91	33	PASS
NVNT	Band7	15	21375	36	#Mid	QPSK	20.24	1.65	21.89	33	PASS
NVNT	Band7	15	21375	36	#Max	QPSK	20.17	1.65	21.82	33	PASS
NVNT	Band7	15	21375	75	#0	QPSK	20.26	1.65	21.91	33	PASS
NVNT	Band7	15	21375	1	#0	QAM16	20.12	1.65	21.77	33	PASS
NVNT	Band7	15	21375	1	#Mid	QAM16	20.59	1.65	22.24	33	PASS
NVNT	Band7	15	21375	1	#Max	QAM16	20.09	1.65	21.74	33	PASS
NVNT	Band7	15	21375	36	#0	QAM16	20.04	1.65	21.69	33	PASS
NVNT	Band7	15	21375	36	#Mid	QAM16	20.12	1.65	21.77	33	PASS
NVNT	Band7	15	21375	36	#Max	QAM16	20.16	1.65	21.81	33	PASS
NVNT	Band7	15	21375	75	#0	QAM16	20.13	1.65	21.78	33	PASS
NVNT	Band7	20	20850	1	#0	QPSK	19.87	1.65	21.52	33	PASS
NVNT	Band7	20	20850	1	#Mid	QPSK	20.01	1.65	21.66	33	PASS
NVNT	Band7	20	20850	1	#Max	QPSK	19.65	1.65	21.30	33	PASS

NVNT	Band7	20	20850	50	#0	QPSK	20.16	1.65	21.81	33	PASS
NVNT	Band7	20	20850	50	#Mid	QPSK	19.95	1.65	21.60	33	PASS
NVNT	Band7	20	20850	50	#Max	QPSK	19.88	1.65	21.53	33	PASS
NVNT	Band7	20	20850	100	#0	QPSK	19.99	1.65	21.64	33	PASS
NVNT	Band7	20	20850	1	#0	QAM16	20.30	1.65	21.95	33	PASS
NVNT	Band7	20	20850	1	#Mid	QAM16	20.20	1.65	21.85	33	PASS
NVNT	Band7	20	20850	1	#Max	QAM16	19.96	1.65	21.61	33	PASS
NVNT	Band7	20	20850	50	#0	QAM16	20.02	1.65	21.67	33	PASS
NVNT	Band7	20	20850	50	#Mid	QAM16	19.96	1.65	21.61	33	PASS
NVNT	Band7	20	20850	50	#Max	QAM16	20.03	1.65	21.68	33	PASS
NVNT	Band7	20	20850	100	#0	QAM16	19.99	1.65	21.64	33	PASS
NVNT	Band7	20	21100	1	#0	QPSK	19.92	1.65	21.57	33	PASS
NVNT	Band7	20	21100	1	#Mid	QPSK	20.15	1.65	21.80	33	PASS
NVNT	Band7	20	21100	1	#Max	QPSK	19.85	1.65	21.50	33	PASS
NVNT	Band7	20	21100	50	#0	QPSK	20.02	1.65	21.67	33	PASS
NVNT	Band7	20	21100	50	#Mid	QPSK	19.95	1.65	21.60	33	PASS
NVNT	Band7	20	21100	50	#Max	QPSK	19.89	1.65	21.54	33	PASS
NVNT	Band7	20	21100	100	#0	QPSK	19.79	1.65	21.44	33	PASS
NVNT	Band7	20	21100	1	#0	QAM16	20.11	1.65	21.76	33	PASS
NVNT	Band7	20	21100	1	#Mid	QAM16	20.35	1.65	22.00	33	PASS
NVNT	Band7	20	21100	1	#Max	QAM16	20.03	1.65	21.68	33	PASS
NVNT	Band7	20	21100	50	#0	QAM16	19.90	1.65	21.55	33	PASS
NVNT	Band7	20	21100	50	#Mid	QAM16	19.88	1.65	21.53	33	PASS
NVNT	Band7	20	21100	50	#Max	QAM16	19.75	1.65	21.40	33	PASS
NVNT	Band7	20	21100	100	#0	QAM16	19.84	1.65	21.49	33	PASS
NVNT	Band7	20	21350	1	#0	QPSK	19.71	1.65	21.36	33	PASS
NVNT	Band7	20	21350	1	#Mid	QPSK	19.89	1.65	21.54	33	PASS
NVNT	Band7	20	21350	1	#Max	QPSK	19.69	1.65	21.34	33	PASS
NVNT	Band7	20	21350	50	#0	QPSK	19.91	1.65	21.56	33	PASS
NVNT	Band7	20	21350	50	#Mid	QPSK	19.85	1.65	21.50	33	PASS
NVNT	Band7	20	21350	50	#Max	QPSK	19.80	1.65	21.45	33	PASS
NVNT	Band7	20	21350	100	#0	QPSK	19.86	1.65	21.51	33	PASS
NVNT	Band7	20	21350	1	#0	QAM16	19.84	1.65	21.49	33	PASS
NVNT	Band7	20	21350	1	#Mid	QAM16	20.04	1.65	21.69	33	PASS
NVNT	Band7	20	21350	1	#Max	QAM16	19.69	1.65	21.34	33	PASS
NVNT	Band7	20	21350	50	#0	QAM16	19.73	1.65	21.38	33	PASS
NVNT	Band7	20	21350	50	#Mid	QAM16	19.72	1.65	21.37	33	PASS
NVNT	Band7	20	21350	50	#Max	QAM16	19.78	1.65	21.43	33	PASS
NVNT	Band7	20	21350	100	#0	QAM16	19.73	1.65	21.38	33	PASS

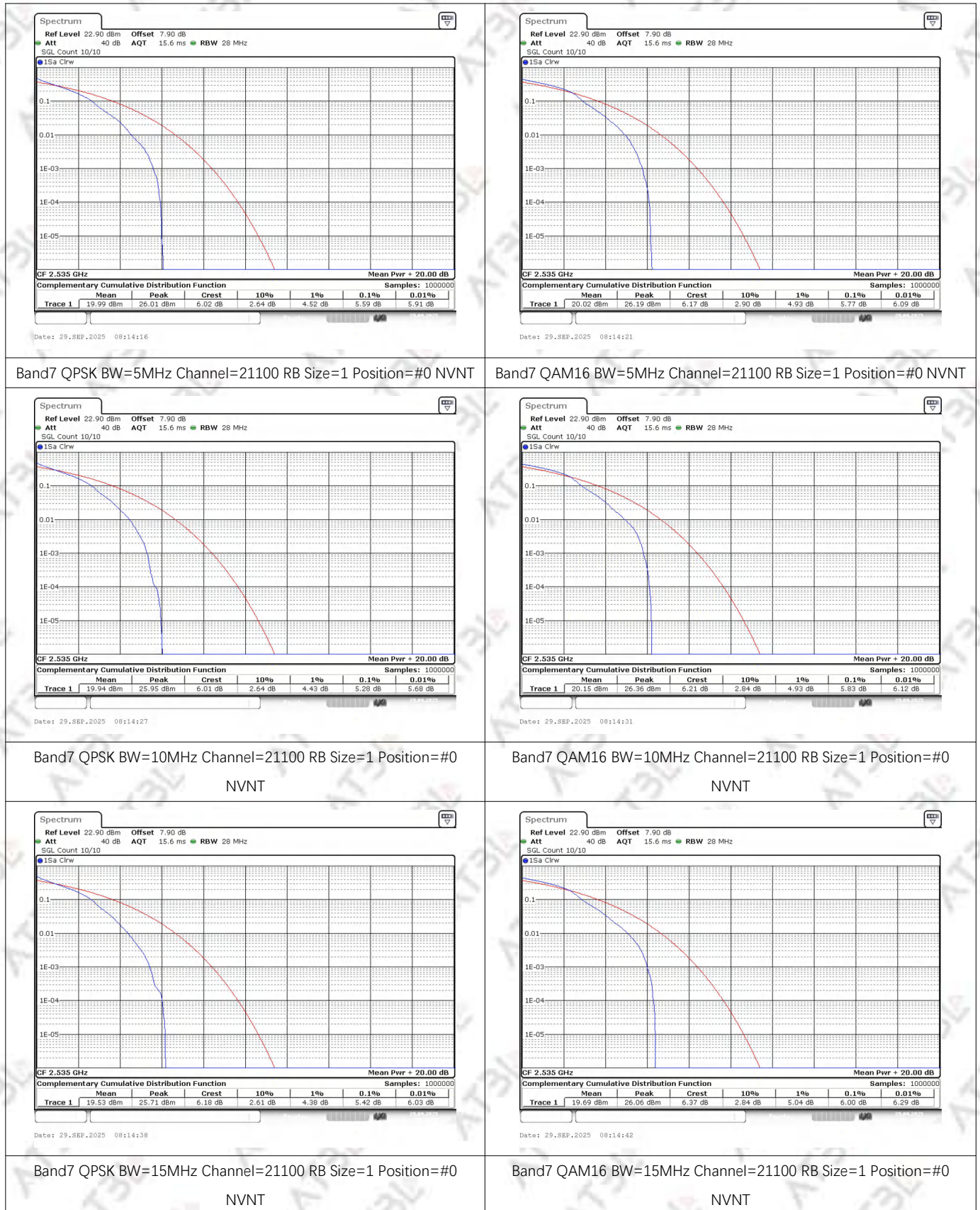
Frequency stability

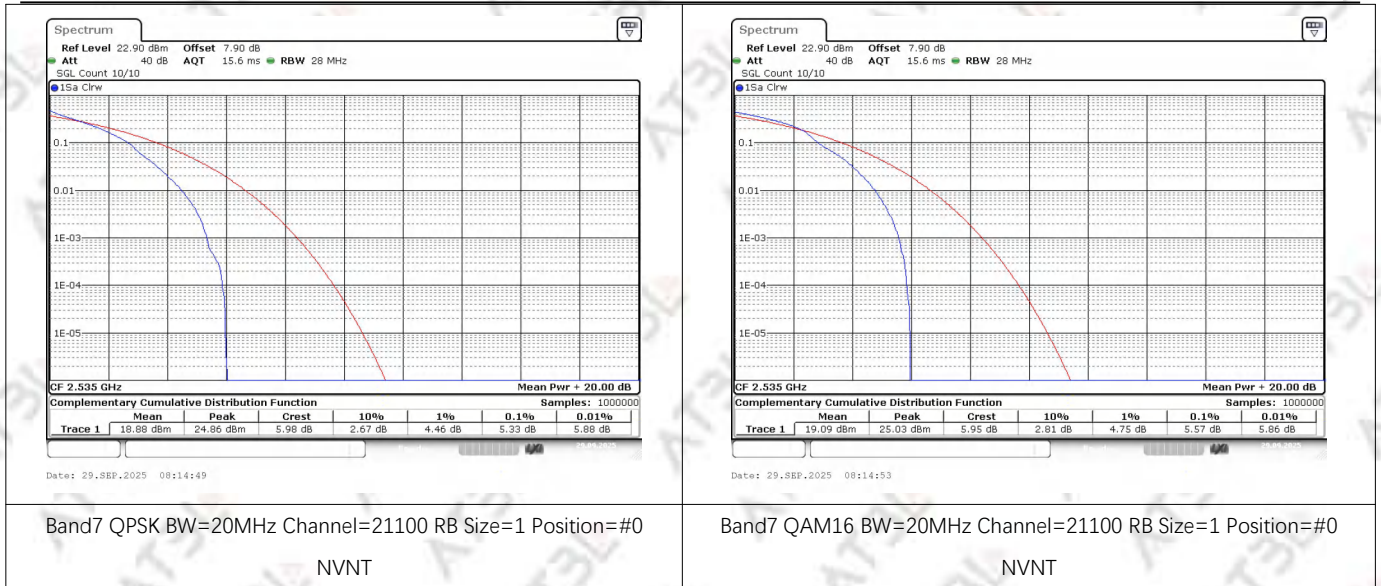
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band7	20	21100	100	#0	QPSK	VL	NT	-6.24	-0.002	PASS
Band7	20	21100	100	#0	QPSK	VN	NT	-2.9	-0.001	PASS
Band7	20	21100	100	#0	QPSK	VH	NT	-1.26	-0.002	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band7	20	21100	100	#0	QPSK	NV	-30	-0.82	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	-20	1.27	0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	-10	-2.99	-0.001	PASS
Band7	20	21100	100	#0	QPSK	NV	0	-6.86	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	10	-4.66	-0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	20	5.24	0.002	PASS
Band7	20	21100	100	#0	QPSK	NV	30	-6.83	-0.003	PASS
Band7	20	21100	100	#0	QPSK	NV	40	-1.14	0.000	PASS
Band7	20	21100	100	#0	QPSK	NV	50	1.09	0.001	PASS

Peak-to-Average Ratio

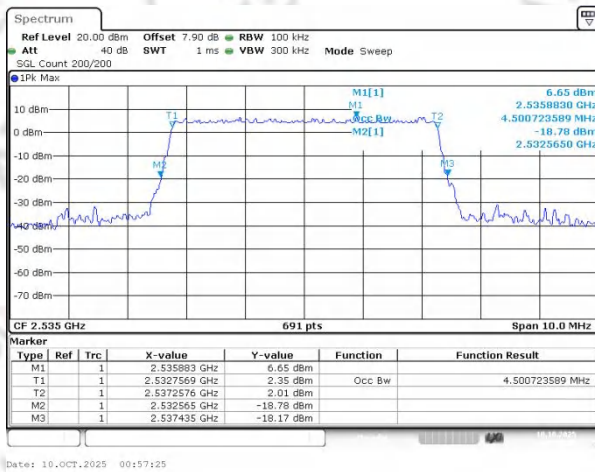
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band7	5	21100	1	#0	QPSK	5.59	13	PASS
NVNT	Band7	5	21100	1	#0	QAM16	5.77	13	PASS
NVNT	Band7	10	21100	1	#0	QPSK	5.28	13	PASS
NVNT	Band7	10	21100	1	#0	QAM16	5.83	13	PASS
NVNT	Band7	15	21100	1	#0	QPSK	5.42	13	PASS
NVNT	Band7	15	21100	1	#0	QAM16	6.00	13	PASS
NVNT	Band7	20	21100	1	#0	QPSK	5.33	13	PASS
NVNT	Band7	20	21100	1	#0	QAM16	5.57	13	PASS



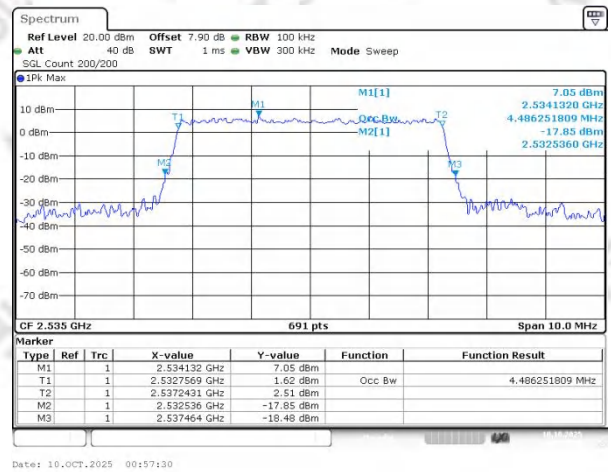


Occupied bandwidth

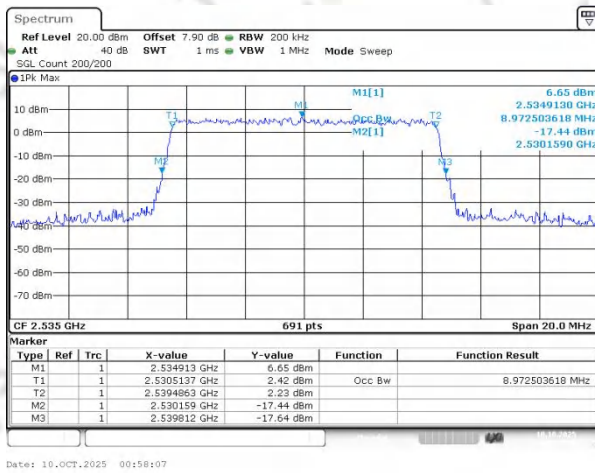
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band7	5	20775	25	#0	QPSK	4.515	4.826	PASS
NVNT	Band7	5	20775	25	#0	QAM16	4.501	4.899	PASS
NVNT	Band7	5	21100	25	#0	QPSK	4.501	4.870	PASS
NVNT	Band7	5	21100	25	#0	QAM16	4.486	4.928	PASS
NVNT	Band7	5	21425	25	#0	QPSK	4.501	4.899	PASS
NVNT	Band7	5	21425	25	#0	QAM16	4.486	4.870	PASS
NVNT	Band7	10	20800	50	#0	QPSK	9.001	9.855	PASS
NVNT	Band7	10	20800	50	#0	QAM16	8.973	9.739	PASS
NVNT	Band7	10	21100	50	#0	QPSK	8.973	9.652	PASS
NVNT	Band7	10	21100	50	#0	QAM16	9.001	9.681	PASS
NVNT	Band7	10	21400	50	#0	QPSK	9.001	9.652	PASS
NVNT	Band7	10	21400	50	#0	QAM16	8.973	9.739	PASS
NVNT	Band7	15	20825	75	#0	QPSK	13.459	14.522	PASS
NVNT	Band7	15	20825	75	#0	QAM16	13.459	14.565	PASS
NVNT	Band7	15	21100	75	#0	QPSK	13.415	14.435	PASS
NVNT	Band7	15	21100	75	#0	QAM16	13.415	14.348	PASS
NVNT	Band7	15	21375	75	#0	QPSK	13.459	14.739	PASS
NVNT	Band7	15	21375	75	#0	QAM16	13.459	14.565	PASS
NVNT	Band7	20	20850	100	#0	QPSK	18.003	19.478	PASS
NVNT	Band7	20	20850	100	#0	QAM16	18.061	19.594	PASS
NVNT	Band7	20	21100	100	#0	QPSK	17.887	19.420	PASS
NVNT	Band7	20	21100	100	#0	QAM16	17.887	19.246	PASS
NVNT	Band7	20	21350	100	#0	QPSK	18.061	19.536	PASS
NVNT	Band7	20	21350	100	#0	QAM16	18.061	19.884	PASS



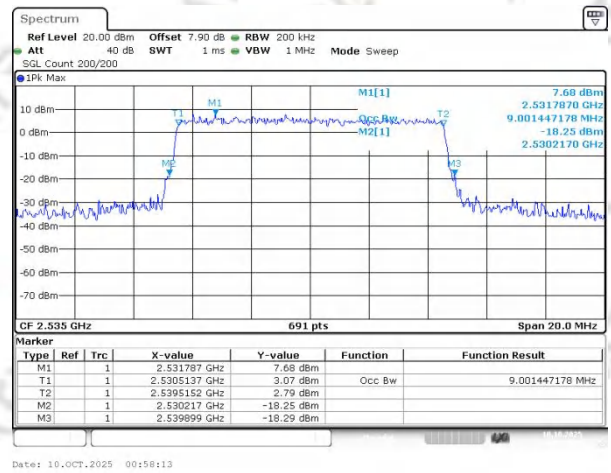
Band7 QPSK BW=5MHz Channel=21100 RB Size=25 Position=#0
 NVNT



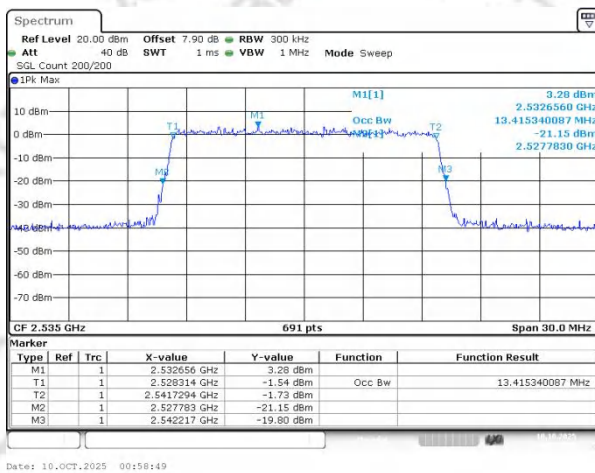
Band7 QAM16 BW=5MHz Channel=21100 RB Size=25 Position=#0
 NVNT



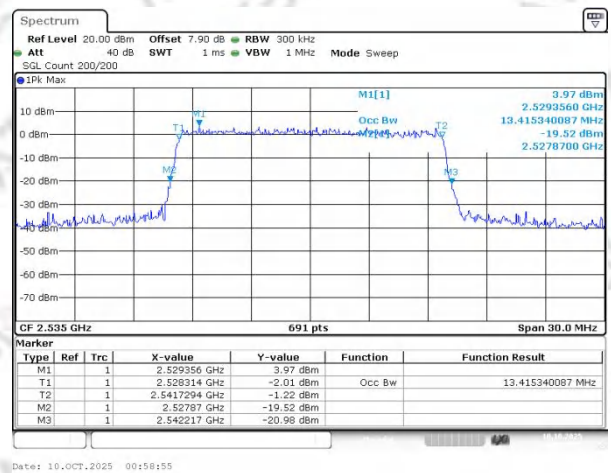
Band7 QPSK BW=10MHz Channel=21100 RB Size=50 Position=#0
 NVNT



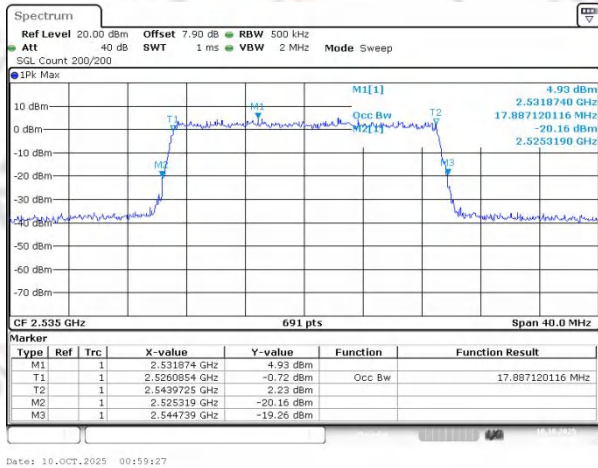
Band7 QAM16 BW=10MHz Channel=21100 RB Size=50 Position=#0
 NVNT



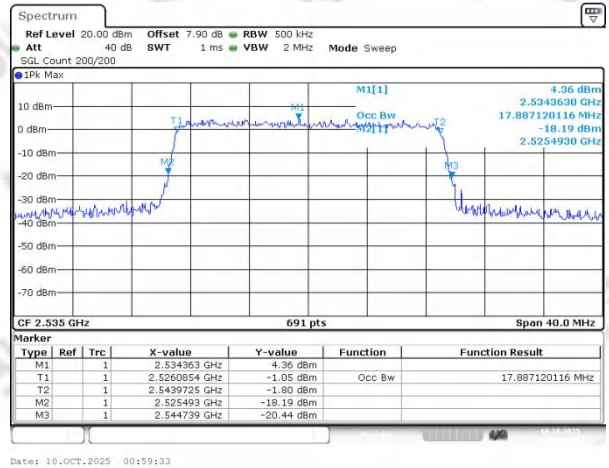
Band7 QPSK BW=15MHz Channel=21100 RB Size=75 Position=#0
 NVNT



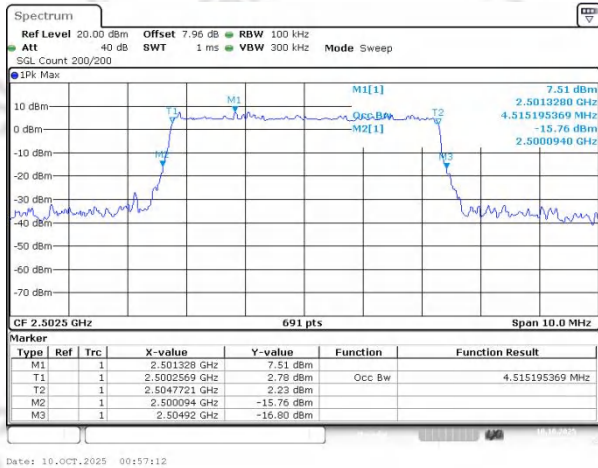
Band7 QAM16 BW=15MHz Channel=21100 RB Size=75 Position=#0
 NVNT



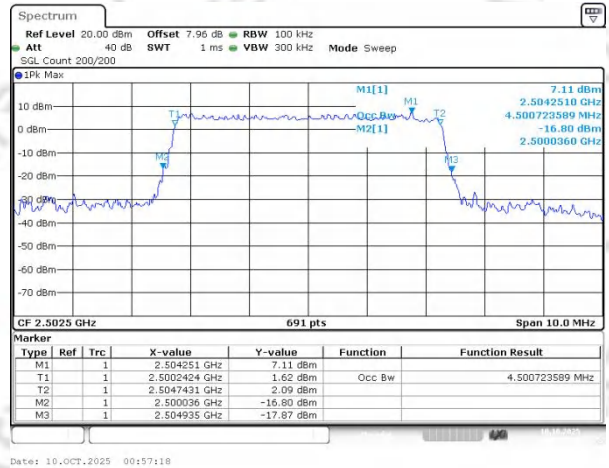
Band7 QPSK BW=20MHz Channel=21100 RB Size=100 Position=#0
NVNT



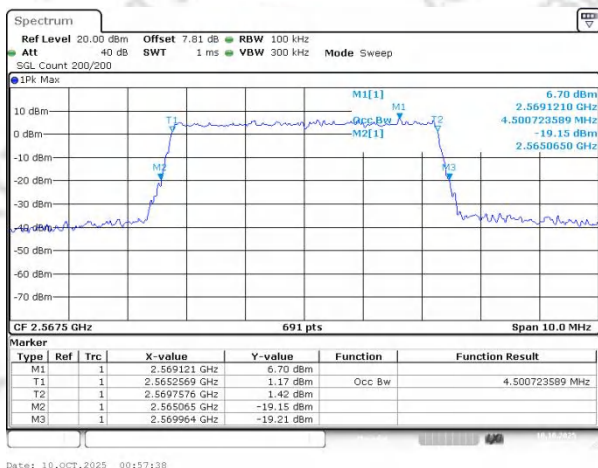
Band7 QAM16 BW=20MHz Channel=21100 RB Size=100 Position=#0
NVNT



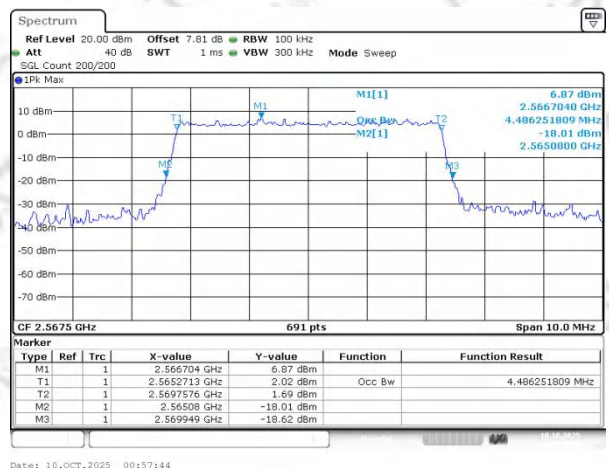
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0
NVNT



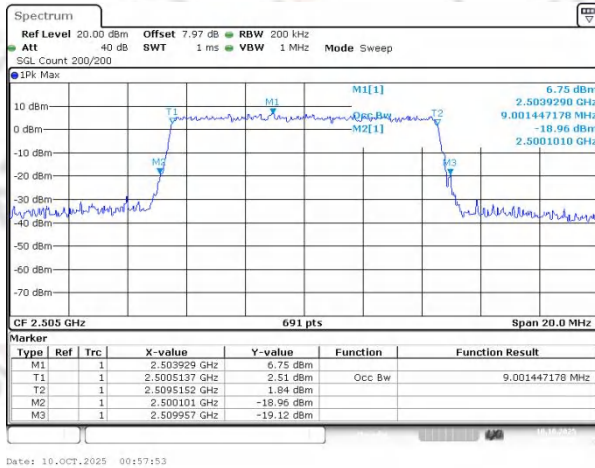
Band7 QAM16 BW=5MHz Channel=20775 RB Size=25 Position=#0
NVNT



Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0
NVNT

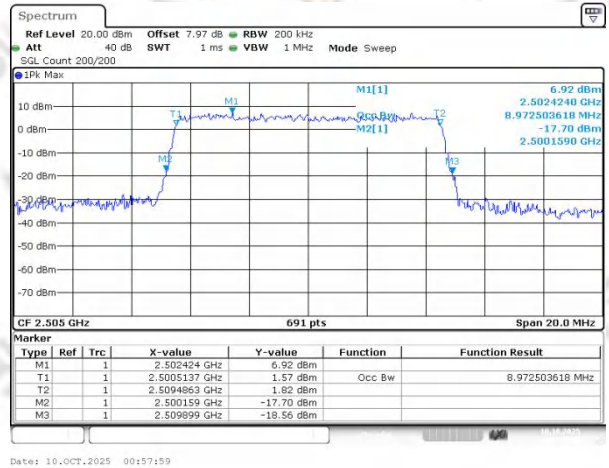


Band7 QAM16 BW=5MHz Channel=21425 RB Size=25 Position=#0
NVNT



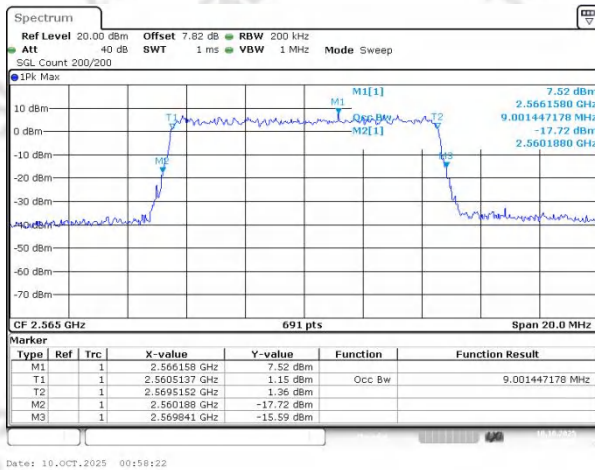
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0

NVNT



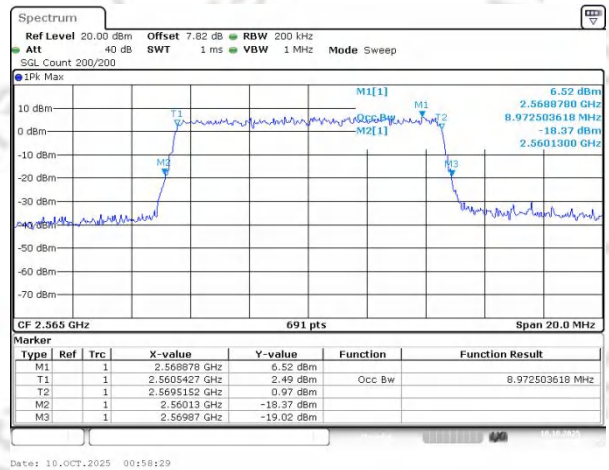
Band7 QAM16 BW=10MHz Channel=20800 RB Size=50 Position=#0

NVNT



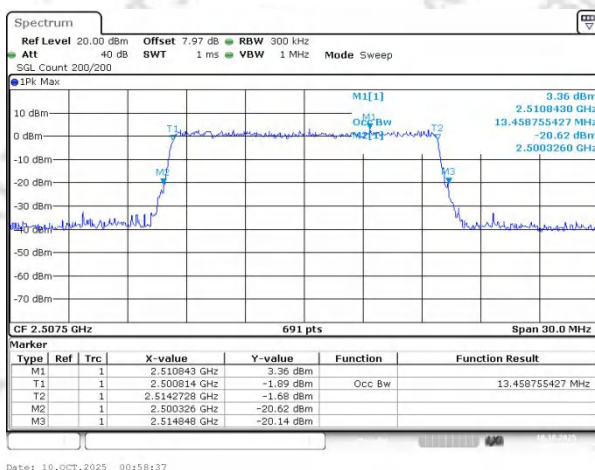
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0

NVNT



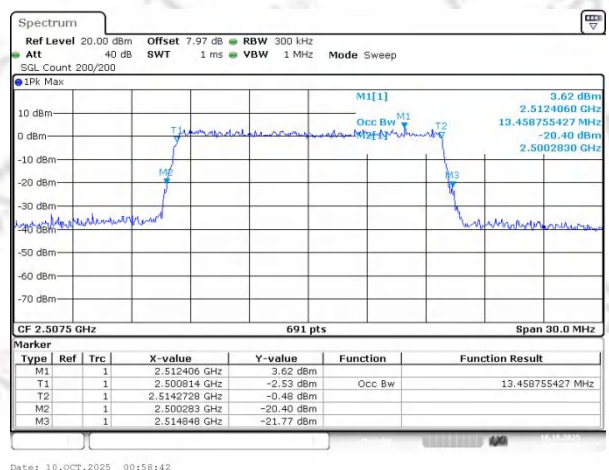
Band7 QAM16 BW=10MHz Channel=21400 RB Size=50 Position=#0

NVNT



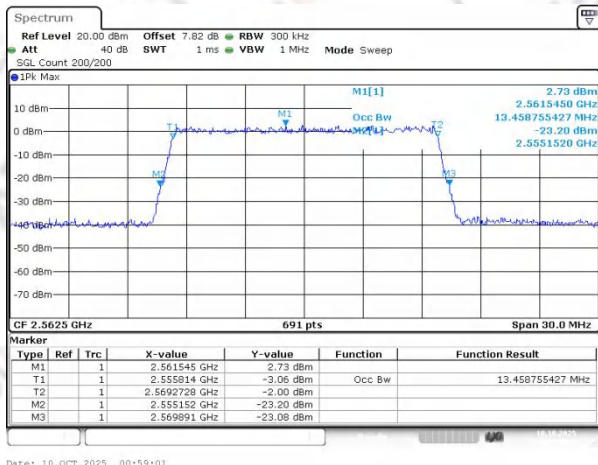
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0

NVNT

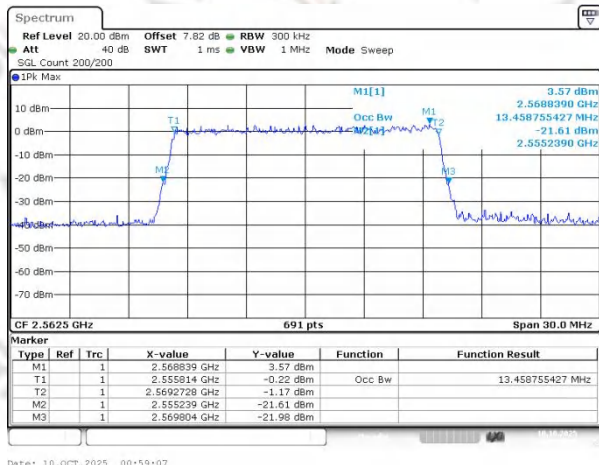


Band7 QAM16 BW=15MHz Channel=20825 RB Size=75 Position=#0

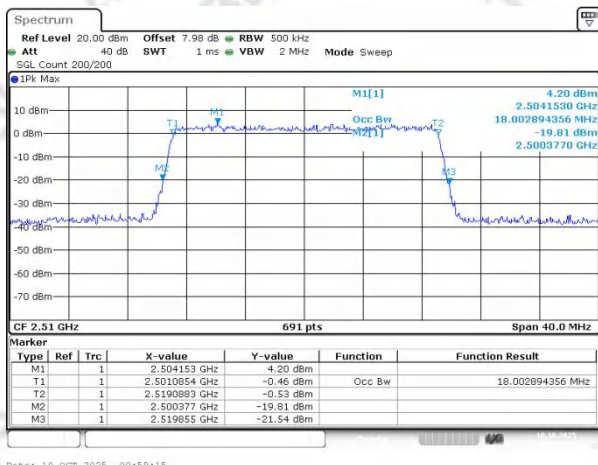
NVNT



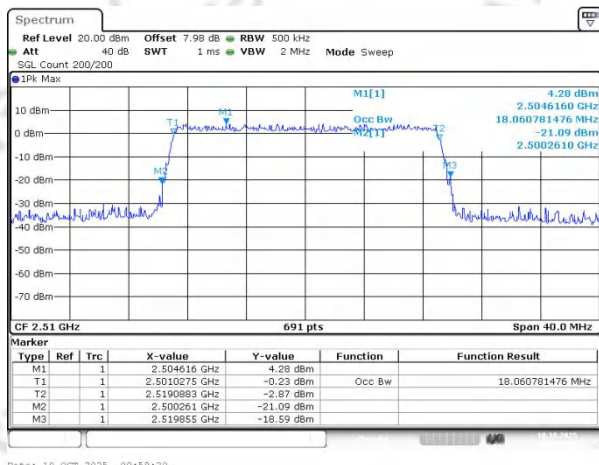
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0
NVNT



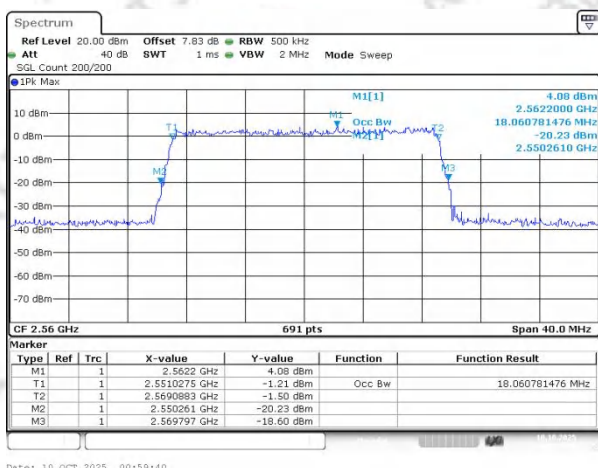
Band7 QAM16 BW=15MHz Channel=21375 RB Size=75 Position=#0
NVNT



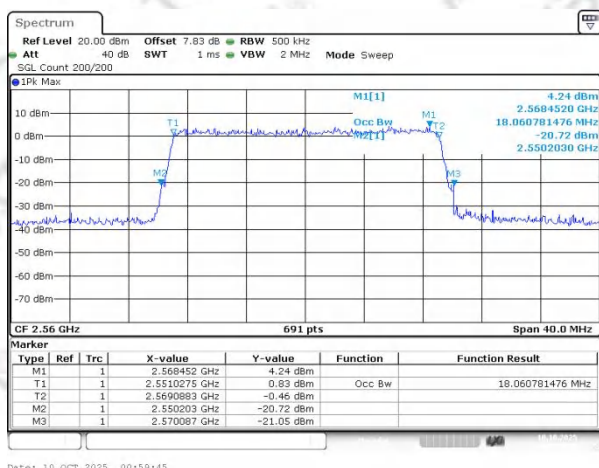
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0
NVNT



Band7 QAM16 BW=20MHz Channel=20850 RB Size=100 Position=#0
NVNT



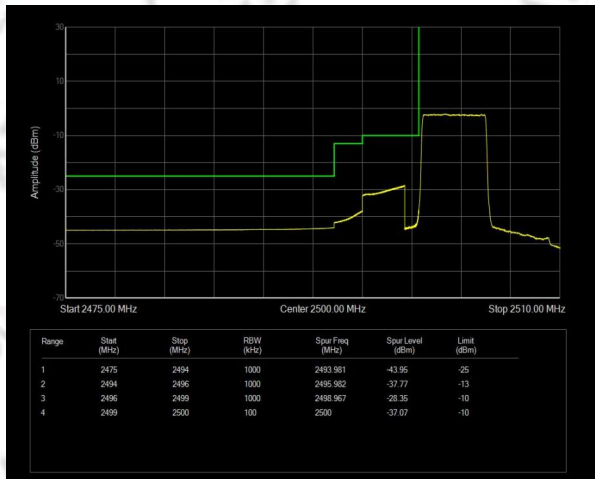
Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0
NVNT



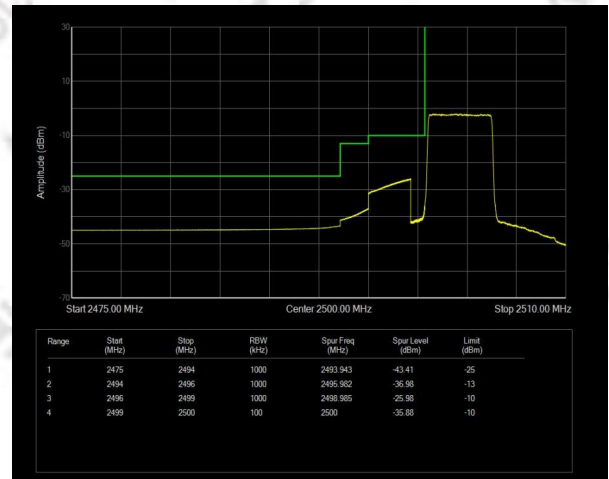
Band7 QAM16 BW=20MHz Channel=21350 RB Size=100 Position=#0
NVNT

Band edge

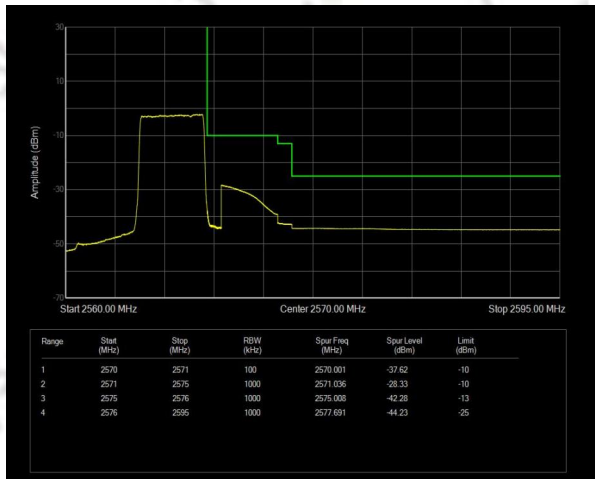
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band7	5	20775	25	#0	QPSK	2498.97	-28.35	-10	PASS
NVNT	Band7	5	20775	25	#0	QAM16	2498.99	-25.98	-10	PASS
NVNT	Band7	5	21425	25	#0	QPSK	2571.04	-28.33	-10	PASS
NVNT	Band7	5	21425	25	#0	QAM16	2571.07	-27.07	-10	PASS
NVNT	Band7	10	20800	50	#0	QPSK	2489.99	-44.14	-25	PASS
NVNT	Band7	10	20800	50	#0	QAM16	2498.91	-28.52	-10	PASS
NVNT	Band7	10	21400	50	#0	QPSK	2580.29	-44.41	-25	PASS
NVNT	Band7	10	21400	50	#0	QAM16	2580.62	-44.28	-25	PASS
NVNT	Band7	15	20825	75	#0	QPSK	2484.90	-44.50	-25	PASS
NVNT	Band7	15	20825	75	#0	QAM16	2484.90	-44.23	-25	PASS
NVNT	Band7	15	21375	75	#0	QPSK	2585.10	-44.53	-25	PASS
NVNT	Band7	15	21375	75	#0	QAM16	2585.09	-44.49	-25	PASS
NVNT	Band7	20	20850	100	#0	QPSK	2479.70	-44.66	-25	PASS
NVNT	Band7	20	20850	100	#0	QAM16	2479.72	-44.58	-25	PASS
NVNT	Band7	20	21350	100	#0	QPSK	2594.57	-44.64	-25	PASS
NVNT	Band7	20	21350	100	#0	QAM16	2590.28	-44.65	-25	PASS



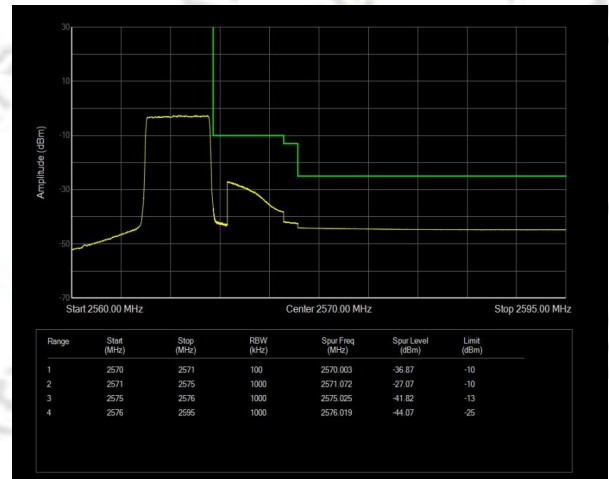
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0
NVNT



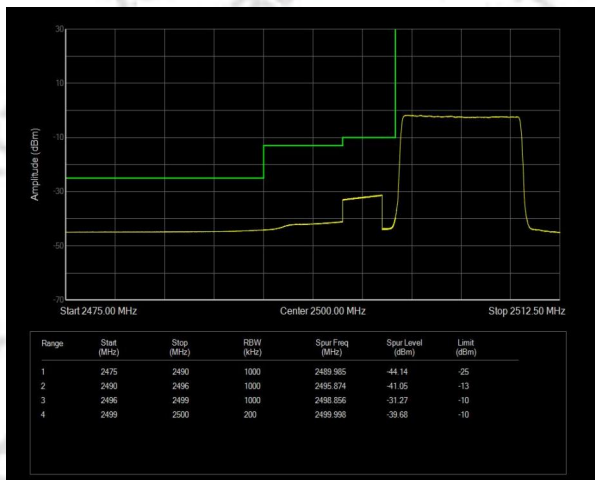
Band7 QAM16 BW=5MHz Channel=20775 RB Size=25 Position=#0
NVNT



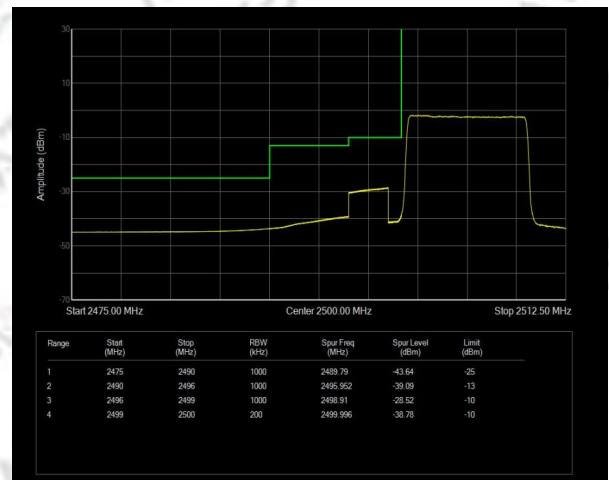
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0
NVNT



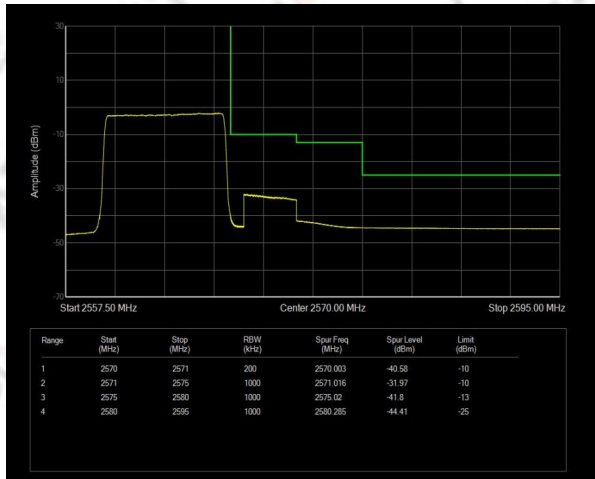
Band7 QAM16 BW=5MHz Channel=21425 RB Size=25 Position=#0
NVNT



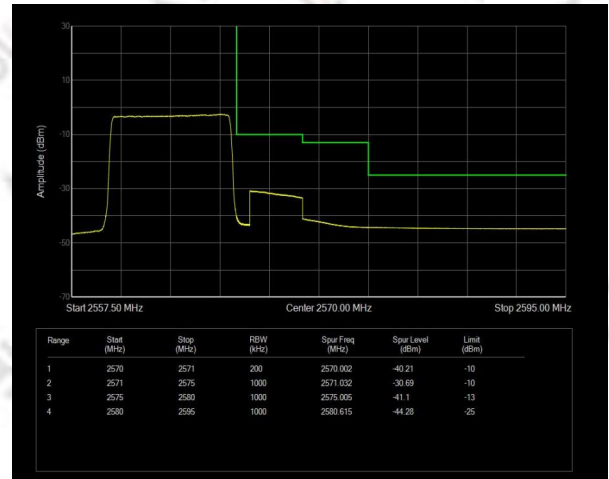
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0
NVNT



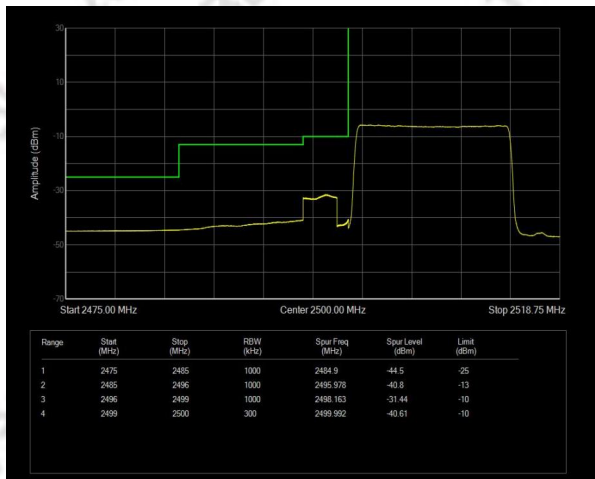
Band7 QAM16 BW=10MHz Channel=20800 RB Size=50 Position=#0
NVNT



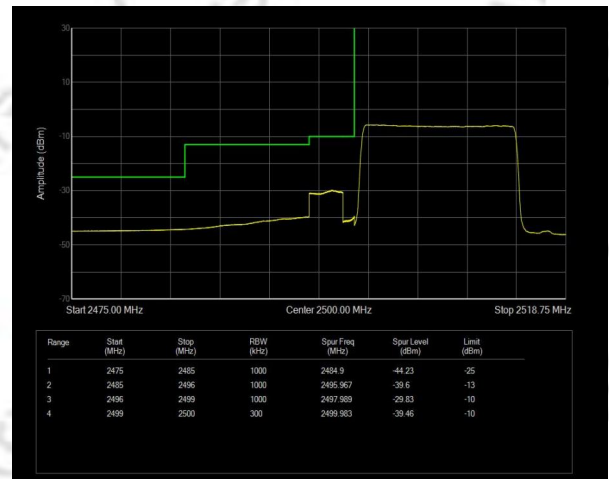
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0
NVNT



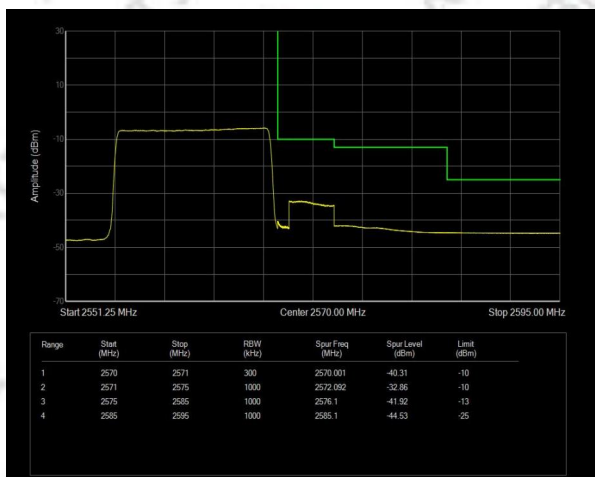
Band7 QAM16 BW=10MHz Channel=21400 RB Size=50 Position=#0
NVNT



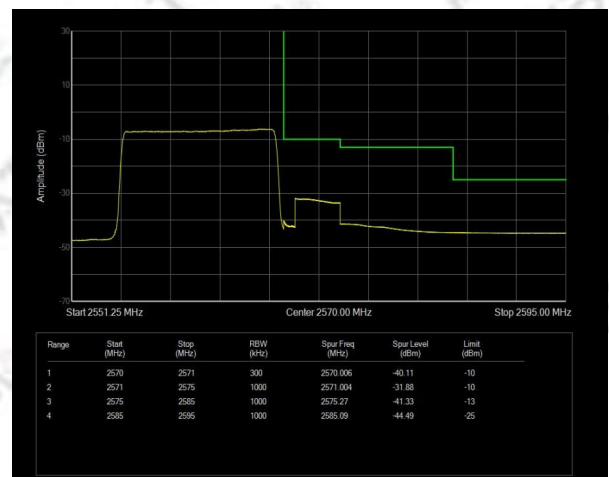
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0
NVNT



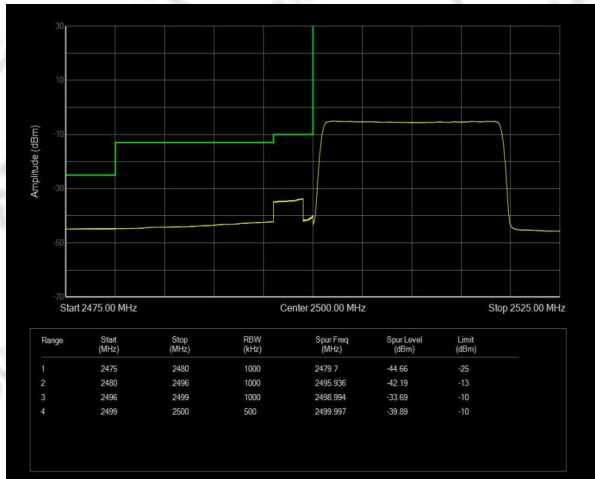
Band7 QAM16 BW=15MHz Channel=20825 RB Size=75 Position=#0
NVNT



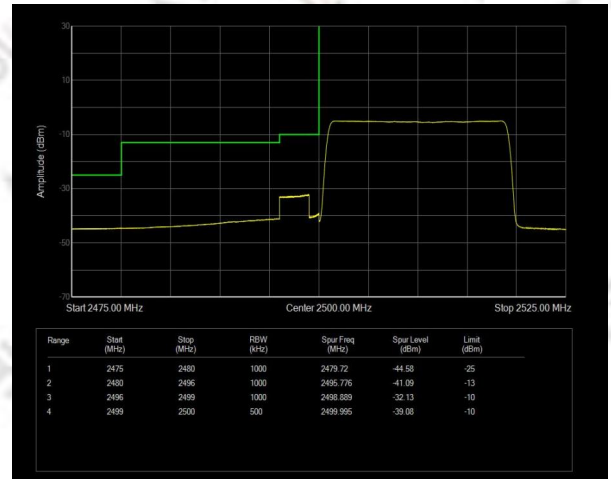
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0
NVNT



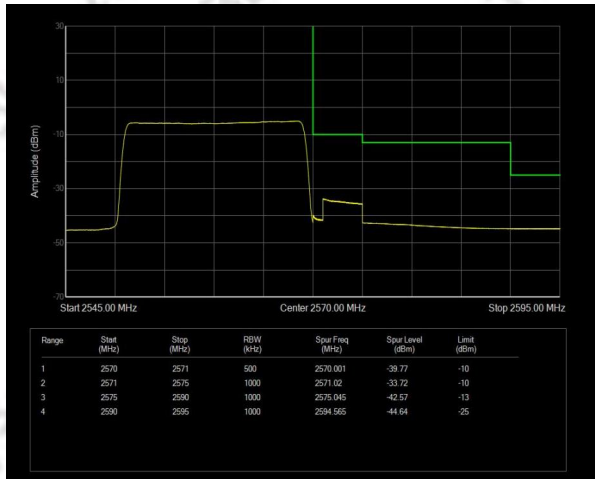
Band7 QAM16 BW=15MHz Channel=21375 RB Size=75 Position=#0
NVNT



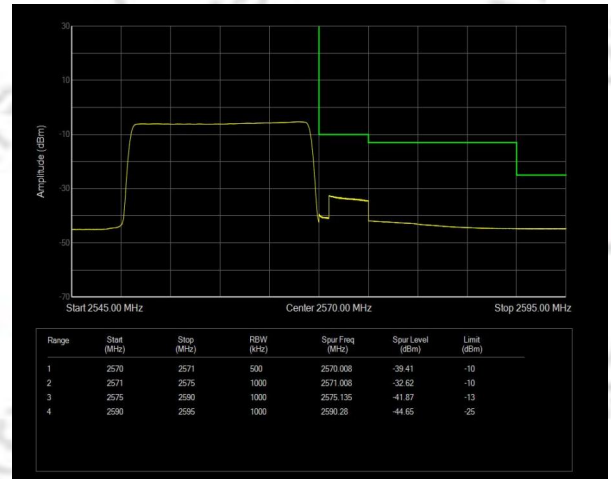
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0
NVNT



Band7 QAM16 BW=20MHz Channel=20850 RB Size=100 Position=#0
NVNT



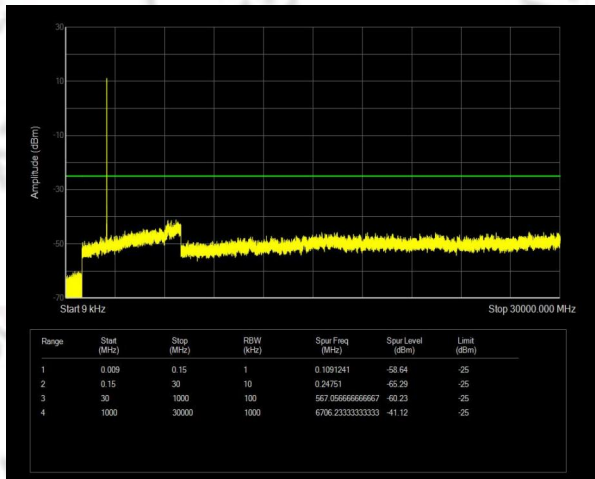
Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0
NVNT



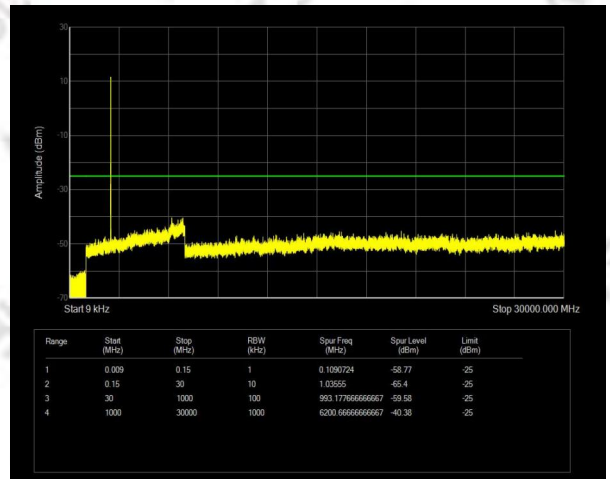
Band7 QAM16 BW=20MHz Channel=21350 RB Size=100 Position=#0
NVNT

Out-of-band emissions

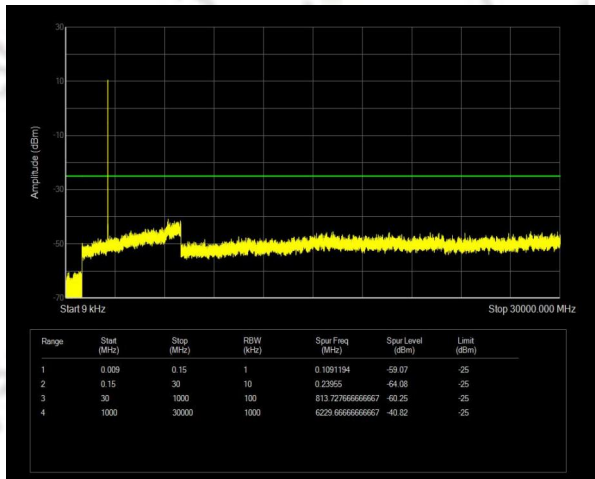
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band7	5	20775	25	#0	QPSK	6706.23	-41.12	-25	PASS
NVNT	Band7	5	20775	25	#0	QAM16	6200.67	-40.38	-25	PASS
NVNT	Band7	5	21425	25	#0	QPSK	6229.67	-40.82	-25	PASS
NVNT	Band7	5	21425	25	#0	QAM16	6788.40	-40.51	-25	PASS
NVNT	Band7	10	20800	50	#0	QPSK	6191.00	-41.28	-25	PASS
NVNT	Band7	10	20800	50	#0	QAM16	6855.10	-41.39	-25	PASS
NVNT	Band7	10	21400	50	#0	QPSK	6837.70	-41.53	-25	PASS
NVNT	Band7	10	21400	50	#0	QAM16	6884.10	-41.14	-25	PASS
NVNT	Band7	15	20825	75	#0	QPSK	6879.27	-40.92	-25	PASS
NVNT	Band7	15	20825	75	#0	QAM16	6862.83	-40.71	-25	PASS
NVNT	Band7	15	21375	75	#0	QPSK	6851.23	-41.07	-25	PASS
NVNT	Band7	15	21375	75	#0	QAM16	6833.83	-41.66	-25	PASS
NVNT	Band7	20	20850	100	#0	QPSK	6816.43	-40.32	-25	PASS
NVNT	Band7	20	20850	100	#0	QAM16	6190.03	-41.19	-25	PASS
NVNT	Band7	20	21350	100	#0	QPSK	6234.50	-40.33	-25	PASS
NVNT	Band7	20	21350	100	#0	QAM16	6874.43	-41.04	-25	PASS



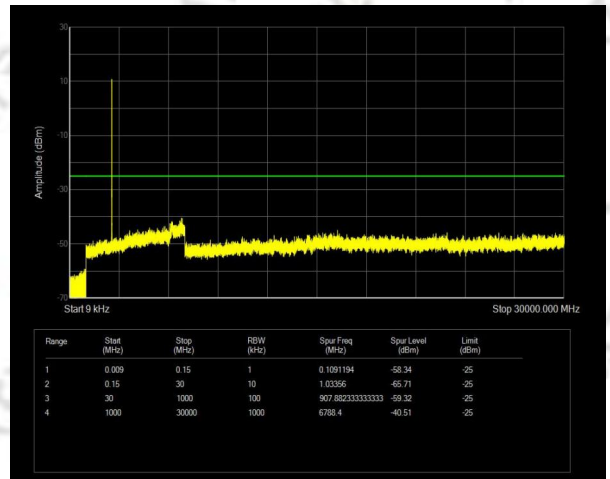
Band7 QPSK BW=5MHz Channel=20775 RB Size=25 Position=#0
NVNT



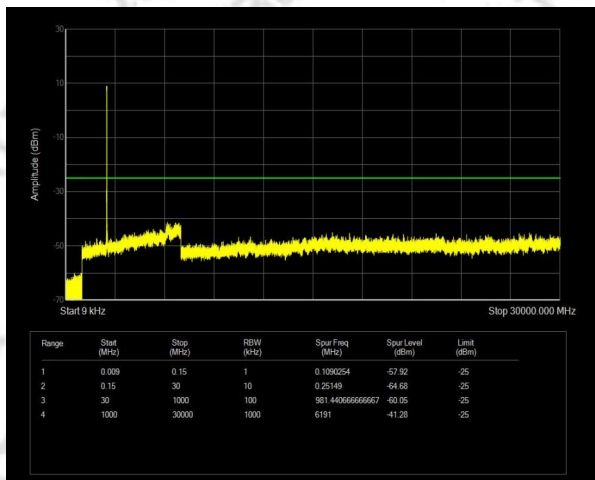
Band7 QAM16 BW=5MHz Channel=20775 RB Size=25 Position=#0
NVNT



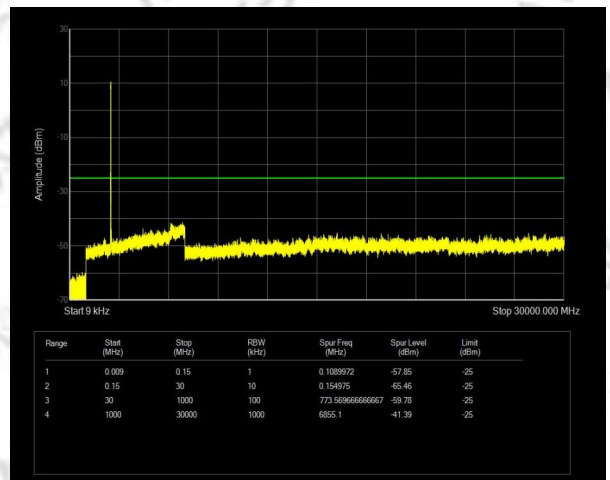
Band7 QPSK BW=5MHz Channel=21425 RB Size=25 Position=#0
NVNT



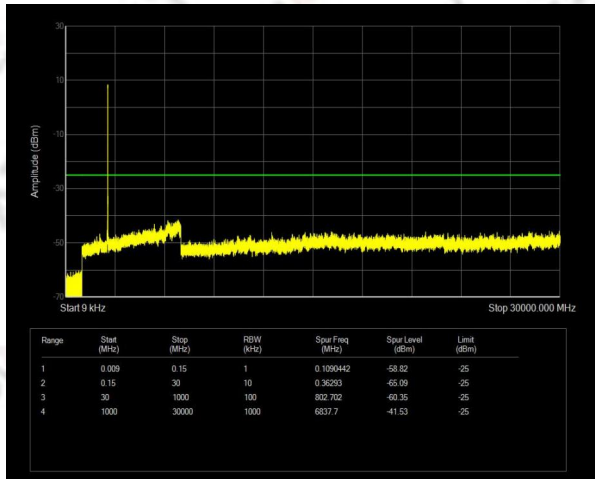
Band7 QAM16 BW=5MHz Channel=21425 RB Size=25 Position=#0
NVNT



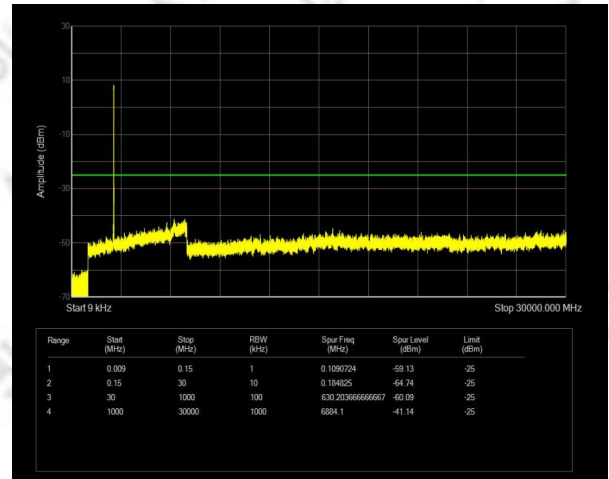
Band7 QPSK BW=10MHz Channel=20800 RB Size=50 Position=#0
NVNT



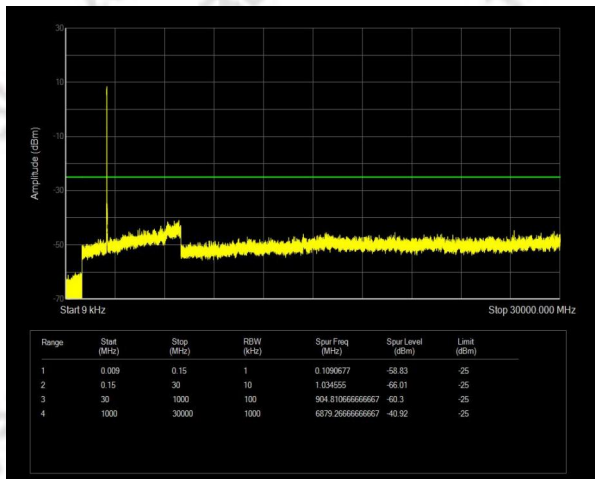
Band7 QAM16 BW=10MHz Channel=20800 RB Size=50 Position=#0
NVNT



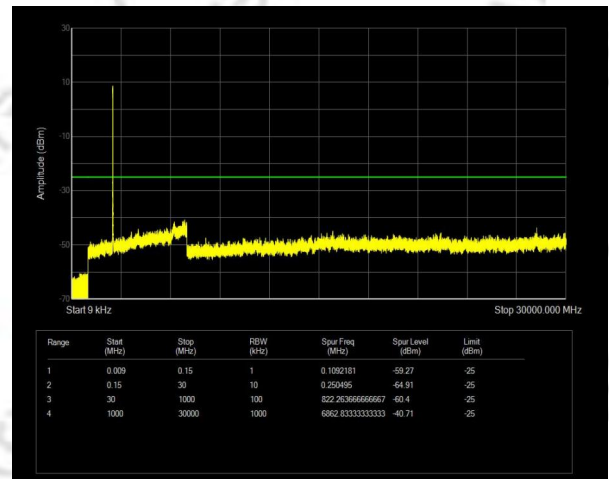
Band7 QPSK BW=10MHz Channel=21400 RB Size=50 Position=#0
NVNT



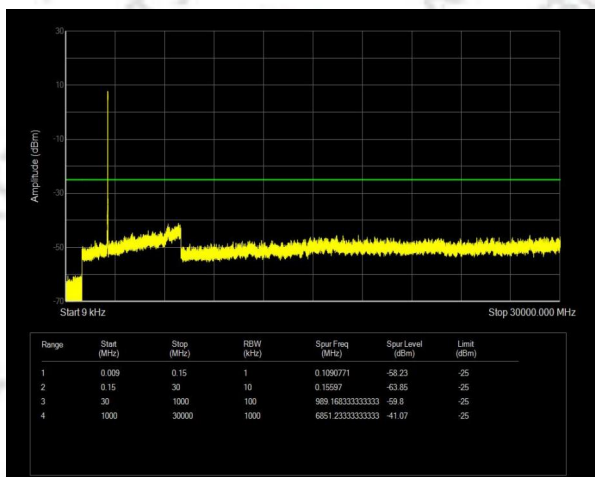
Band7 QAM16 BW=10MHz Channel=21400 RB Size=50 Position=#0
NVNT



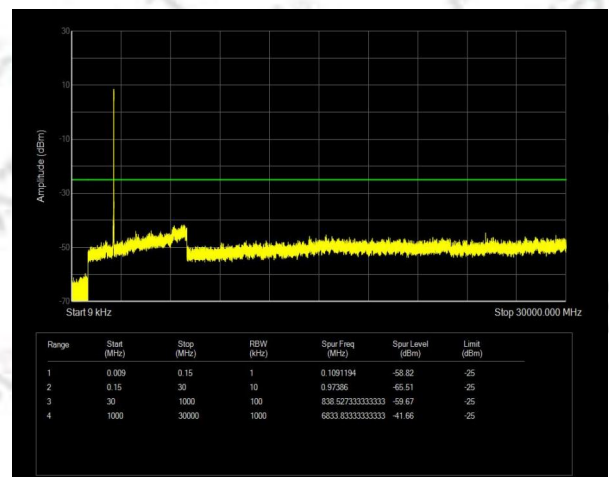
Band7 QPSK BW=15MHz Channel=20825 RB Size=75 Position=#0
NVNT



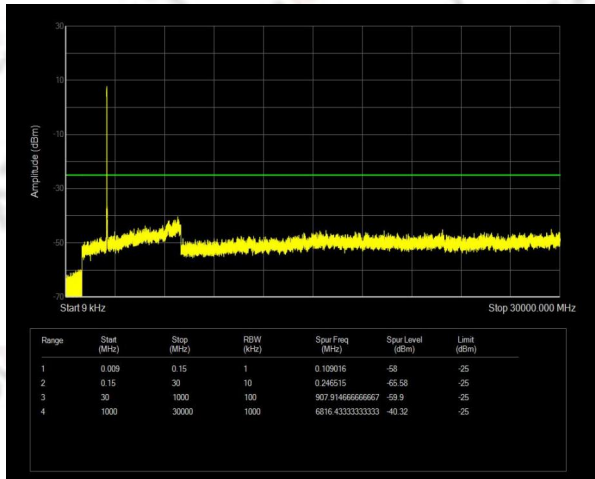
Band7 QAM16 BW=15MHz Channel=20825 RB Size=75 Position=#0
NVNT



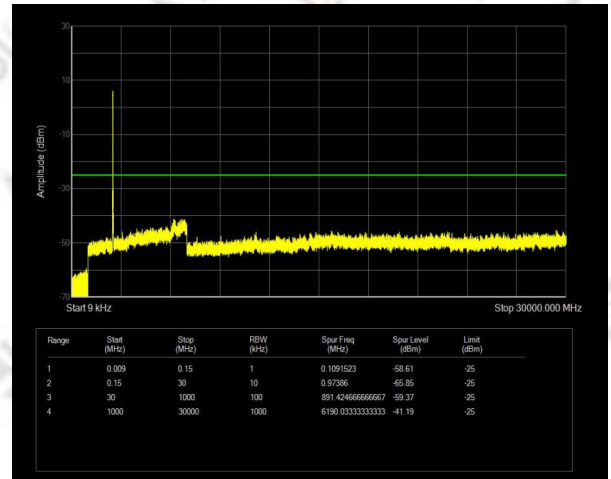
Band7 QPSK BW=15MHz Channel=21375 RB Size=75 Position=#0
NVNT



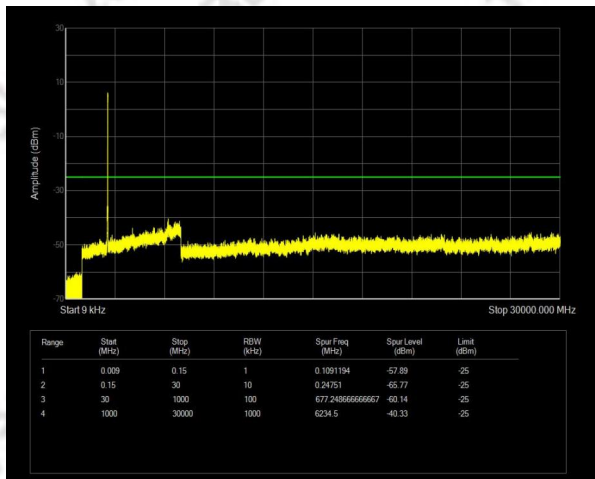
Band7 QAM16 BW=15MHz Channel=21375 RB Size=75 Position=#0
NVNT



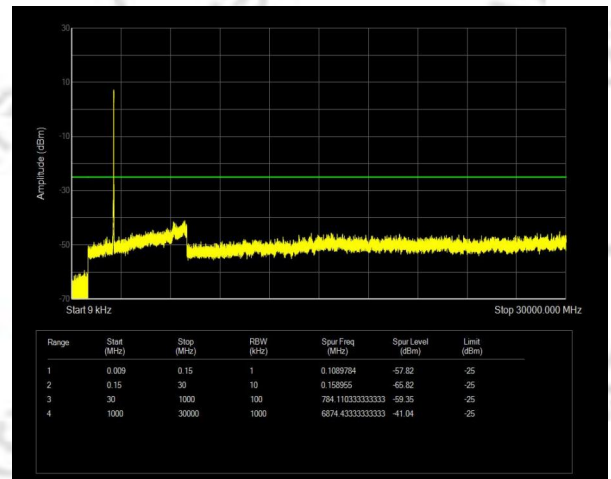
Band7 QPSK BW=20MHz Channel=20850 RB Size=100 Position=#0
NVNT



Band7 QAM16 BW=20MHz Channel=20850 RB Size=100 Position=#0
NVNT



Band7 QPSK BW=20MHz Channel=21350 RB Size=100 Position=#0
NVNT

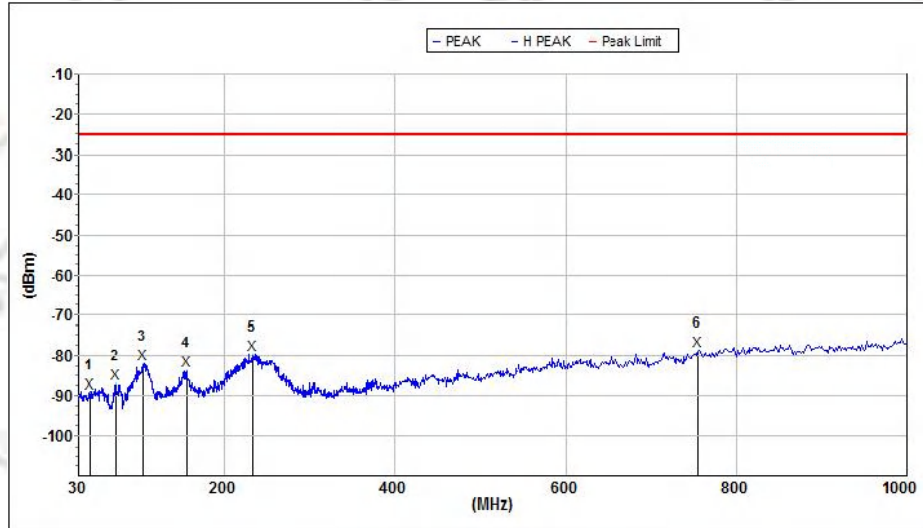


Band7 QAM16 BW=20MHz Channel=21350 RB Size=100 Position=#0
NVNT

Radiated Test Data

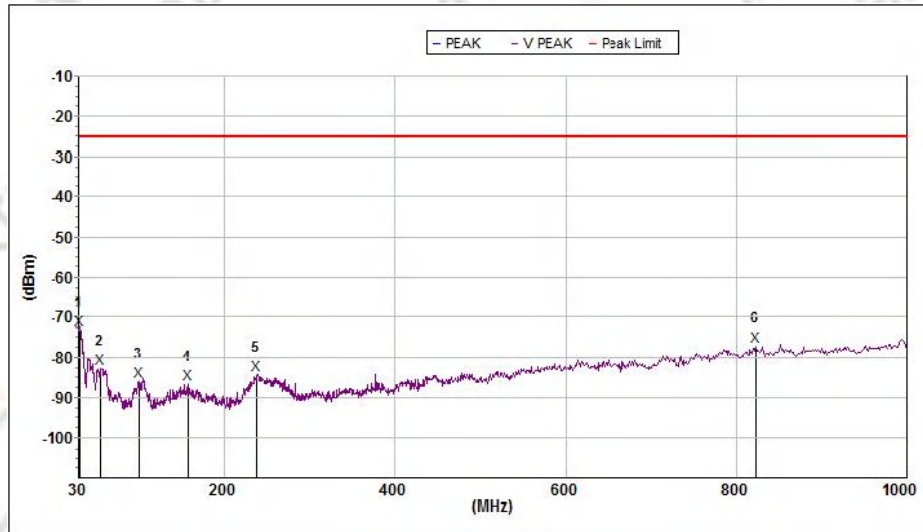
For 30 MHz ~ 1 GHz

Mode:16QPSK / Middle Channel / Horizontal



Mk.	Freq. (MHz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak							
1	43.966	-89.2	-25.0	64.2	19.2	31.4	H
2	72.592	-87.0	-25.0	62.0	16.0	32.8	H
3	104.536	-82.2	-25.0	57.2	15.2	30.8	H
4	155.910	-83.8	-25.0	58.8	18.8	31.4	H
5	234.168	-79.7	-25.0	54.7	17.0	32.0	H
6	754.064	-78.8	-25.0	53.8	27.7	32.0	H

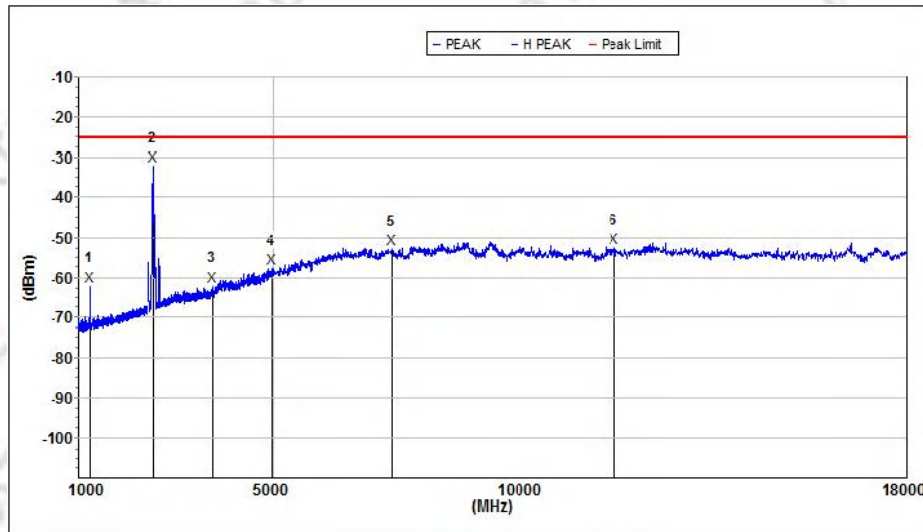
Mode:16QPSK / Middle Channel / Vertical



Mk.	Freq. (MHz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak							
1	32.179	-73.1	-25.0	48.1	18.5	31.8	V
2	55.609	-82.7	-25.0	57.7	18.7	31.1	V
3	100.757	-85.9	-25.0	60.9	14.9	30.8	V
4	157.835	-86.8	-25.0	61.8	18.7	31.4	V
5	238.728	-84.3	-25.0	59.3	17.2	32.0	V
6	823.152	-77.0	-25.0	52.0	28.6	32.1	V

For 1 GHz ~ 18 GHz

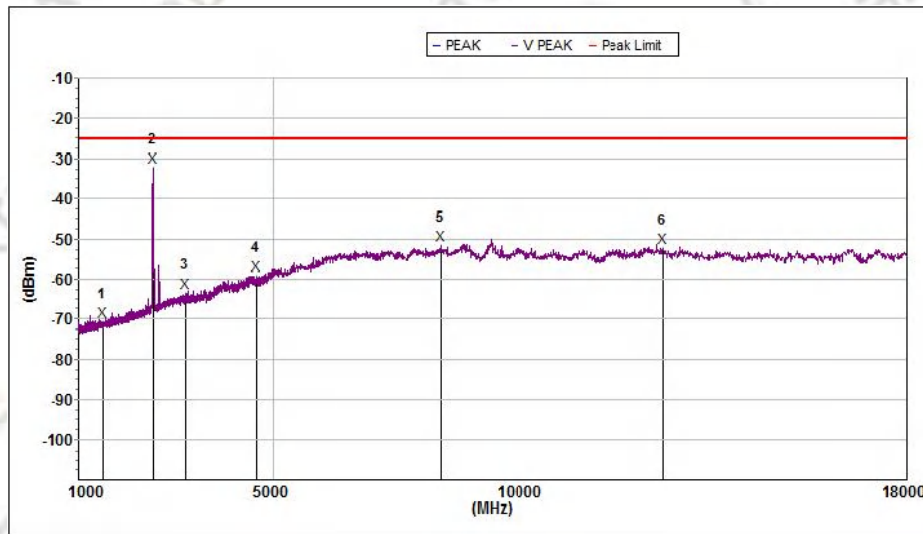
Mode:16QPSK / Middle Channel / Horizontal



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak							
1	1239.588	-62.1	-25.0	37.1	25.7	53.6	H
2	2538.627	-32.2	-25.0	7.2	27.7	54.1	H
3	3751.285	-62.1	-25.0	37.1	30.2	53.5	H
4	4980.881	-57.7	-25.0	32.7	33.0	52.4	H
5	7413.666	-52.6	-25.0	27.6	36.2	51.8	H
6	11992.911	-52.3	-25.0	27.3	39.0	51.6	H

Note:Point 2 serves as the primary frequency signal.

Mode:16QPSK / Middle Channel / Vertical



Mk.	Freq. (MHz)	Level (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak							
1	1494.949	-70.4	-25.0	45.4	25.4	53.4	V
2	2531.664	-31.9	-25.0	6.9	27.7	54.1	V
3	3195.358	-63.4	-25.0	38.4	29.4	54.0	V
4	4662.048	-59.0	-25.0	34.0	32.1	52.8	V
5	8448.427	-51.4	-25.0	26.4	37.3	52.2	V
6	12984.205	-52.2	-25.0	27.2	39.7	51.7	V

Note:Point 2 serves as the primary frequency signal.

*****END OF THE APPENDIX A8.4*****