

Appendix A8.5

LTE Band 38 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	Band38	5	37775	1	#0	QPSK	21.04	1.65	22.69	33	PASS
NVNT	Band38	5	37775	1	#Mid	QPSK	21.18	1.65	22.83	33	PASS
NVNT	Band38	5	37775	1	#Max	QPSK	20.88	1.65	22.53	33	PASS
NVNT	Band38	5	37775	12	#0	QPSK	20.99	1.65	22.64	33	PASS
NVNT	Band38	5	37775	12	#Mid	QPSK	21.10	1.65	22.75	33	PASS
NVNT	Band38	5	37775	12	#Max	QPSK	21.00	1.65	22.65	33	PASS
NVNT	Band38	5	37775	25	#0	QPSK	20.98	1.65	22.63	33	PASS
NVNT	Band38	5	37775	1	#0	QAM16	21.58	1.65	23.23	33	PASS
NVNT	Band38	5	37775	1	#Mid	QAM16	21.78	1.65	23.43	33	PASS
NVNT	Band38	5	37775	1	#Max	QAM16	21.48	1.65	23.13	33	PASS
NVNT	Band38	5	37775	12	#0	QAM16	20.96	1.65	22.61	33	PASS
NVNT	Band38	5	37775	12	#Mid	QAM16	21.04	1.65	22.69	33	PASS
NVNT	Band38	5	37775	12	#Max	QAM16	20.95	1.65	22.60	33	PASS
NVNT	Band38	5	37775	25	#0	QAM16	20.94	1.65	22.59	33	PASS
NVNT	Band38	5	38000	1	#0	QPSK	20.75	1.65	22.40	33	PASS
NVNT	Band38	5	38000	1	#Mid	QPSK	21.07	1.65	22.72	33	PASS
NVNT	Band38	5	38000	1	#Max	QPSK	20.79	1.65	22.44	33	PASS
NVNT	Band38	5	38000	12	#0	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	5	38000	12	#Mid	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	5	38000	12	#Max	QPSK	20.82	1.65	22.47	33	PASS
NVNT	Band38	5	38000	25	#0	QPSK	20.83	1.65	22.48	33	PASS
NVNT	Band38	5	38000	1	#0	QAM16	21.03	1.65	22.68	33	PASS
NVNT	Band38	5	38000	1	#Mid	QAM16	21.28	1.65	22.93	33	PASS
NVNT	Band38	5	38000	1	#Max	QAM16	21.01	1.65	22.66	33	PASS
NVNT	Band38	5	38000	12	#0	QAM16	20.76	1.65	22.41	33	PASS
NVNT	Band38	5	38000	12	#Mid	QAM16	20.85	1.65	22.50	33	PASS
NVNT	Band38	5	38000	12	#Max	QAM16	20.77	1.65	22.42	33	PASS
NVNT	Band38	5	38000	25	#0	QAM16	20.84	1.65	22.49	33	PASS
NVNT	Band38	5	38225	1	#0	QPSK	20.71	1.65	22.36	33	PASS
NVNT	Band38	5	38225	1	#Mid	QPSK	20.97	1.65	22.62	33	PASS
NVNT	Band38	5	38225	1	#Max	QPSK	20.70	1.65	22.35	33	PASS
NVNT	Band38	5	38225	12	#0	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	5	38225	12	#Mid	QPSK	20.88	1.65	22.53	33	PASS
NVNT	Band38	5	38225	12	#Max	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	5	38225	25	#0	QPSK	20.80	1.65	22.45	33	PASS
NVNT	Band38	5	38225	1	#0	QAM16	21.04	1.65	22.69	33	PASS
NVNT	Band38	5	38225	1	#Mid	QAM16	21.27	1.65	22.92	33	PASS

NVNT	Band38	5	38225	1	#Max	QAM16	20.99	1.65	22.64	33	PASS
NVNT	Band38	5	38225	12	#0	QAM16	20.81	1.65	22.46	33	PASS
NVNT	Band38	5	38225	12	#Mid	QAM16	20.85	1.65	22.50	33	PASS
NVNT	Band38	5	38225	12	#Max	QAM16	20.79	1.65	22.44	33	PASS
NVNT	Band38	5	38225	25	#0	QAM16	20.74	1.65	22.39	33	PASS
NVNT	Band38	10	37800	1	#0	QPSK	21.01	1.65	22.66	33	PASS
NVNT	Band38	10	37800	1	#Mid	QPSK	21.09	1.65	22.74	33	PASS
NVNT	Band38	10	37800	1	#Max	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	10	37800	25	#0	QPSK	21.04	1.65	22.69	33	PASS
NVNT	Band38	10	37800	25	#Mid	QPSK	20.98	1.65	22.63	33	PASS
NVNT	Band38	10	37800	25	#Max	QPSK	21.01	1.65	22.66	33	PASS
NVNT	Band38	10	37800	50	#0	QPSK	21.00	1.65	22.65	33	PASS
NVNT	Band38	10	37800	1	#0	QAM16	21.47	1.65	23.12	33	PASS
NVNT	Band38	10	37800	1	#Mid	QAM16	21.61	1.65	23.26	33	PASS
NVNT	Band38	10	37800	1	#Max	QAM16	21.41	1.65	23.06	33	PASS
NVNT	Band38	10	37800	25	#0	QAM16	21.06	1.65	22.71	33	PASS
NVNT	Band38	10	37800	25	#Mid	QAM16	21.02	1.65	22.67	33	PASS
NVNT	Band38	10	37800	25	#Max	QAM16	21.02	1.65	22.67	33	PASS
NVNT	Band38	10	37800	50	#0	QAM16	20.99	1.65	22.64	33	PASS
NVNT	Band38	10	38000	1	#0	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	10	38000	1	#Mid	QPSK	21.00	1.65	22.65	33	PASS
NVNT	Band38	10	38000	1	#Max	QPSK	20.87	1.65	22.52	33	PASS
NVNT	Band38	10	38000	25	#0	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	10	38000	25	#Mid	QPSK	20.88	1.65	22.53	33	PASS
NVNT	Band38	10	38000	25	#Max	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	10	38000	50	#0	QPSK	20.87	1.65	22.52	33	PASS
NVNT	Band38	10	38000	1	#0	QAM16	21.01	1.65	22.66	33	PASS
NVNT	Band38	10	38000	1	#Mid	QAM16	21.18	1.65	22.83	33	PASS
NVNT	Band38	10	38000	1	#Max	QAM16	20.98	1.65	22.63	33	PASS
NVNT	Band38	10	38000	25	#0	QAM16	20.91	1.65	22.56	33	PASS
NVNT	Band38	10	38000	25	#Mid	QAM16	20.86	1.65	22.51	33	PASS
NVNT	Band38	10	38000	25	#Max	QAM16	20.95	1.65	22.60	33	PASS
NVNT	Band38	10	38000	50	#0	QAM16	20.89	1.65	22.54	33	PASS
NVNT	Band38	10	38200	1	#0	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	10	38200	1	#Mid	QPSK	21.03	1.65	22.68	33	PASS
NVNT	Band38	10	38200	1	#Max	QPSK	20.85	1.65	22.50	33	PASS
NVNT	Band38	10	38200	25	#0	QPSK	20.90	1.65	22.55	33	PASS
NVNT	Band38	10	38200	25	#Mid	QPSK	20.86	1.65	22.51	33	PASS
NVNT	Band38	10	38200	25	#Max	QPSK	20.87	1.65	22.52	33	PASS
NVNT	Band38	10	38200	50	#0	QPSK	20.86	1.65	22.51	33	PASS
NVNT	Band38	10	38200	1	#0	QAM16	20.82	1.65	22.47	33	PASS
NVNT	Band38	10	38200	1	#Mid	QAM16	20.92	1.65	22.57	33	PASS
NVNT	Band38	10	38200	1	#Max	QAM16	20.76	1.65	22.41	33	PASS
NVNT	Band38	10	38200	25	#0	QAM16	20.87	1.65	22.52	33	PASS
NVNT	Band38	10	38200	25	#Mid	QAM16	20.83	1.65	22.48	33	PASS
NVNT	Band38	10	38200	25	#Max	QAM16	20.84	1.65	22.49	33	PASS

NVNT	Band38	10	38200	50	#0	QAM16	20.82	1.65	22.47	33	PASS
NVNT	Band38	15	37825	1	#0	QPSK	20.92	1.65	22.57	33	PASS
NVNT	Band38	15	37825	1	#Mid	QPSK	21.19	1.65	22.84	33	PASS
NVNT	Band38	15	37825	1	#Max	QPSK	20.80	1.65	22.45	33	PASS
NVNT	Band38	15	37825	36	#0	QPSK	21.02	1.65	22.67	33	PASS
NVNT	Band38	15	37825	36	#Mid	QPSK	21.00	1.65	22.65	33	PASS
NVNT	Band38	15	37825	36	#Max	QPSK	20.99	1.65	22.64	33	PASS
NVNT	Band38	15	37825	75	#0	QPSK	20.98	1.65	22.63	33	PASS
NVNT	Band38	15	37825	1	#0	QAM16	21.43	1.65	23.08	33	PASS
NVNT	Band38	15	37825	1	#Mid	QAM16	21.65	1.65	23.30	33	PASS
NVNT	Band38	15	37825	1	#Max	QAM16	21.27	1.65	22.92	33	PASS
NVNT	Band38	15	37825	36	#0	QAM16	21.02	1.65	22.67	33	PASS
NVNT	Band38	15	37825	36	#Mid	QAM16	21.00	1.65	22.65	33	PASS
NVNT	Band38	15	37825	36	#Max	QAM16	20.99	1.65	22.64	33	PASS
NVNT	Band38	15	37825	75	#0	QAM16	20.96	1.65	22.61	33	PASS
NVNT	Band38	15	38000	1	#0	QPSK	20.85	1.65	22.50	33	PASS
NVNT	Band38	15	38000	1	#Mid	QPSK	21.12	1.65	22.77	33	PASS
NVNT	Band38	15	38000	1	#Max	QPSK	20.78	1.65	22.43	33	PASS
NVNT	Band38	15	38000	36	#0	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	15	38000	36	#Mid	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	15	38000	36	#Max	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	15	38000	75	#0	QPSK	20.90	1.65	22.55	33	PASS
NVNT	Band38	15	38000	1	#0	QAM16	20.94	1.65	22.59	33	PASS
NVNT	Band38	15	38000	1	#Mid	QAM16	21.27	1.65	22.92	33	PASS
NVNT	Band38	15	38000	1	#Max	QAM16	20.90	1.65	22.55	33	PASS
NVNT	Band38	15	38000	36	#0	QAM16	20.95	1.65	22.60	33	PASS
NVNT	Band38	15	38000	36	#Mid	QAM16	20.95	1.65	22.60	33	PASS
NVNT	Band38	15	38000	36	#Max	QAM16	20.92	1.65	22.57	33	PASS
NVNT	Band38	15	38000	75	#0	QAM16	20.86	1.65	22.51	33	PASS
NVNT	Band38	15	38175	1	#0	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	15	38175	1	#Mid	QPSK	21.15	1.65	22.80	33	PASS
NVNT	Band38	15	38175	1	#Max	QPSK	20.83	1.65	22.48	33	PASS
NVNT	Band38	15	38175	36	#0	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	15	38175	36	#Mid	QPSK	20.93	1.65	22.58	33	PASS
NVNT	Band38	15	38175	36	#Max	QPSK	20.92	1.65	22.57	33	PASS
NVNT	Band38	15	38175	75	#0	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	15	38175	1	#0	QAM16	20.97	1.65	22.62	33	PASS
NVNT	Band38	15	38175	1	#Mid	QAM16	21.27	1.65	22.92	33	PASS
NVNT	Band38	15	38175	1	#Max	QAM16	20.94	1.65	22.59	33	PASS
NVNT	Band38	15	38175	36	#0	QAM16	20.82	1.65	22.47	33	PASS
NVNT	Band38	15	38175	36	#Mid	QAM16	20.87	1.65	22.52	33	PASS
NVNT	Band38	15	38175	36	#Max	QAM16	20.81	1.65	22.46	33	PASS
NVNT	Band38	15	38175	75	#0	QAM16	20.89	1.65	22.54	33	PASS
NVNT	Band38	20	37850	1	#0	QPSK	20.89	1.65	22.54	33	PASS
NVNT	Band38	20	37850	1	#Mid	QPSK	21.13	1.65	22.78	33	PASS
NVNT	Band38	20	37850	1	#Max	QPSK	20.76	1.65	22.41	33	PASS

NVNT	Band38	20	37850	50	#0	QPSK	20.92	1.65	22.57	33	PASS
NVNT	Band38	20	37850	50	#Mid	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	20	37850	50	#Max	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	20	37850	100	#0	QPSK	20.91	1.65	22.56	33	PASS
NVNT	Band38	20	37850	1	#0	QAM16	21.17	1.65	22.82	33	PASS
NVNT	Band38	20	37850	1	#Mid	QAM16	21.66	1.65	23.31	33	PASS
NVNT	Band38	20	37850	1	#Max	QAM16	21.02	1.65	22.67	33	PASS
NVNT	Band38	20	37850	50	#0	QAM16	20.95	1.65	22.60	33	PASS
NVNT	Band38	20	37850	50	#Mid	QAM16	20.98	1.65	22.63	33	PASS
NVNT	Band38	20	37850	50	#Max	QAM16	20.96	1.65	22.61	33	PASS
NVNT	Band38	20	37850	100	#0	QAM16	20.94	1.65	22.59	33	PASS
NVNT	Band38	20	38000	1	#0	QPSK	20.78	1.65	22.43	33	PASS
NVNT	Band38	20	38000	1	#Mid	QPSK	21.06	1.65	22.71	33	PASS
NVNT	Band38	20	38000	1	#Max	QPSK	20.74	1.65	22.39	33	PASS
NVNT	Band38	20	38000	50	#0	QPSK	20.84	1.65	22.49	33	PASS
NVNT	Band38	20	38000	50	#Mid	QPSK	20.84	1.65	22.49	33	PASS
NVNT	Band38	20	38000	50	#Max	QPSK	20.85	1.65	22.50	33	PASS
NVNT	Band38	20	38000	100	#0	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	20	38000	1	#0	QAM16	20.98	1.65	22.63	33	PASS
NVNT	Band38	20	38000	1	#Mid	QAM16	21.23	1.65	22.88	33	PASS
NVNT	Band38	20	38000	1	#Max	QAM16	20.85	1.65	22.50	33	PASS
NVNT	Band38	20	38000	50	#0	QAM16	20.82	1.65	22.47	33	PASS
NVNT	Band38	20	38000	50	#Mid	QAM16	20.83	1.65	22.48	33	PASS
NVNT	Band38	20	38000	50	#Max	QAM16	20.81	1.65	22.46	33	PASS
NVNT	Band38	20	38000	100	#0	QAM16	20.82	1.65	22.47	33	PASS
NVNT	Band38	20	38150	1	#0	QPSK	20.72	1.65	22.37	33	PASS
NVNT	Band38	20	38150	1	#Mid	QPSK	21.04	1.65	22.69	33	PASS
NVNT	Band38	20	38150	1	#Max	QPSK	20.71	1.65	22.36	33	PASS
NVNT	Band38	20	38150	50	#0	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	20	38150	50	#Mid	QPSK	20.87	1.65	22.52	33	PASS
NVNT	Band38	20	38150	50	#Max	QPSK	20.84	1.65	22.49	33	PASS
NVNT	Band38	20	38150	100	#0	QPSK	20.81	1.65	22.46	33	PASS
NVNT	Band38	20	38150	1	#0	QAM16	20.93	1.65	22.58	33	PASS
NVNT	Band38	20	38150	1	#Mid	QAM16	21.19	1.65	22.84	33	PASS
NVNT	Band38	20	38150	1	#Max	QAM16	20.86	1.65	22.51	33	PASS
NVNT	Band38	20	38150	50	#0	QAM16	20.84	1.65	22.49	33	PASS
NVNT	Band38	20	38150	50	#Mid	QAM16	20.89	1.65	22.54	33	PASS
NVNT	Band38	20	38150	50	#Max	QAM16	20.87	1.65	22.52	33	PASS
NVNT	Band38	20	38150	100	#0	QAM16	20.81	1.65	22.46	33	PASS

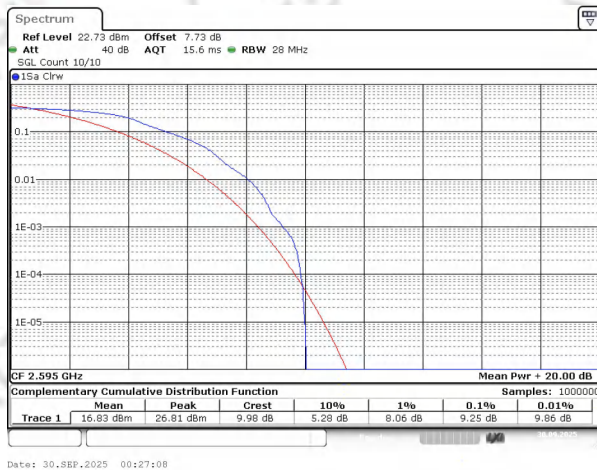
Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band38	20	38000	100	#0	QPSK	VL	NT	-8.31	-0.003	PASS
Band38	20	38000	100	#0	QPSK	VN	NT	-0.96	0.001	PASS
Band38	20	38000	100	#0	QPSK	VH	NT	-12.76	-0.005	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band38	20	38000	100	#0	QPSK	NV	-30	-1.78	-0.001	PASS
Band38	20	38000	100	#0	QPSK	NV	-20	-5.71	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	-10	-2.48	-0.001	PASS
Band38	20	38000	100	#0	QPSK	NV	0	-19.95	-0.008	PASS
Band38	20	38000	100	#0	QPSK	NV	10	-9.13	-0.003	PASS
Band38	20	38000	100	#0	QPSK	NV	20	-2.54	-0.001	PASS
Band38	20	38000	100	#0	QPSK	NV	30	-3.89	-0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	40	2.41	0.002	PASS
Band38	20	38000	100	#0	QPSK	NV	50	5.09	0.002	PASS

Peak-to-Average Ratio

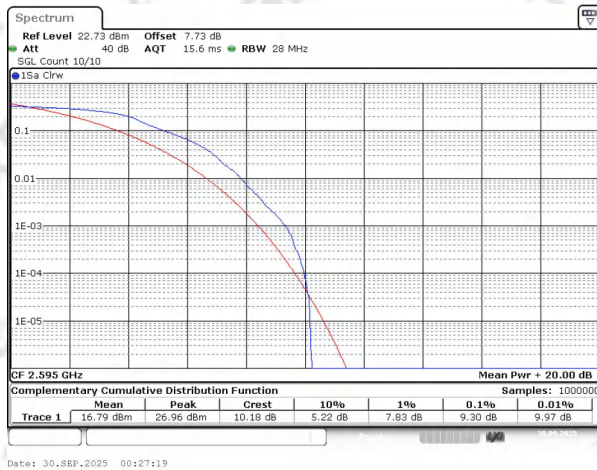
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
NVNT	Band38	5	38000	1	#0	QPSK	9.25	13	PASS
NVNT	Band38	5	38000	1	#0	QAM16	9.59	13	PASS
NVNT	Band38	10	38000	1	#0	QPSK	9.30	13	PASS
NVNT	Band38	10	38000	1	#0	QAM16	9.83	13	PASS
NVNT	Band38	15	38000	1	#0	QPSK	9.04	13	PASS
NVNT	Band38	15	38000	1	#0	QAM16	9.74	13	PASS
NVNT	Band38	20	38000	1	#0	QPSK	8.58	13	PASS
NVNT	Band38	20	38000	1	#0	QAM16	9.39	13	PASS



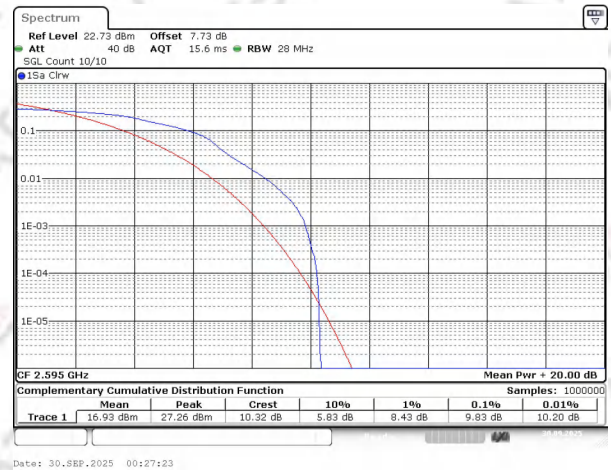
Band38 QPSK BW=5MHz Channel=38000 RB Size=1 Position=#0 NVNT



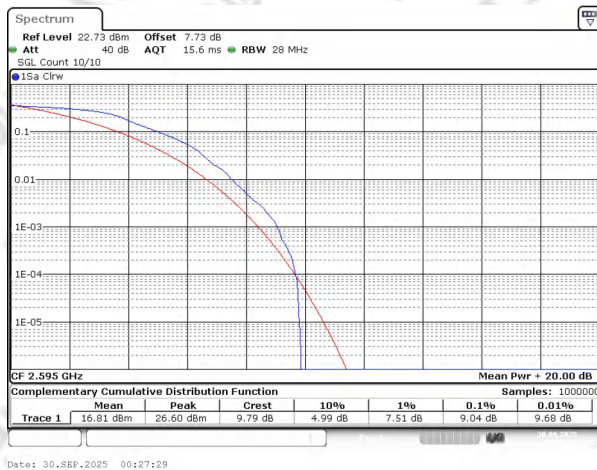
Band38 QAM16 BW=5MHz Channel=38000 RB Size=1 Position=#0 NVNT



Band38 QPSK BW=10MHz Channel=38000 RB Size=1 Position=#0 NVNT



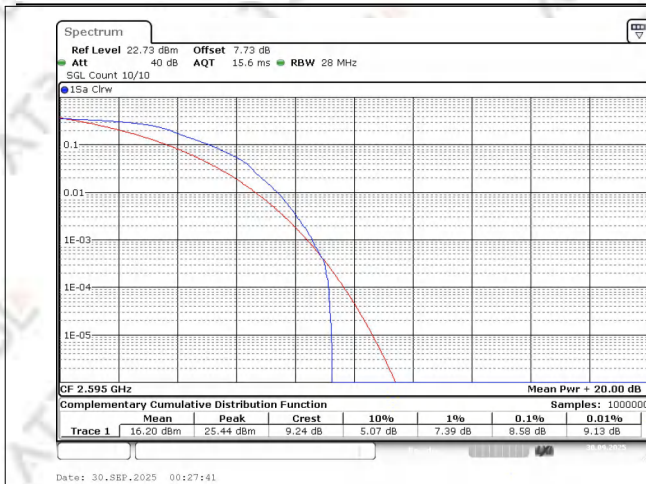
Band38 QAM16 BW=10MHz Channel=38000 RB Size=1 Position=#0 NVNT



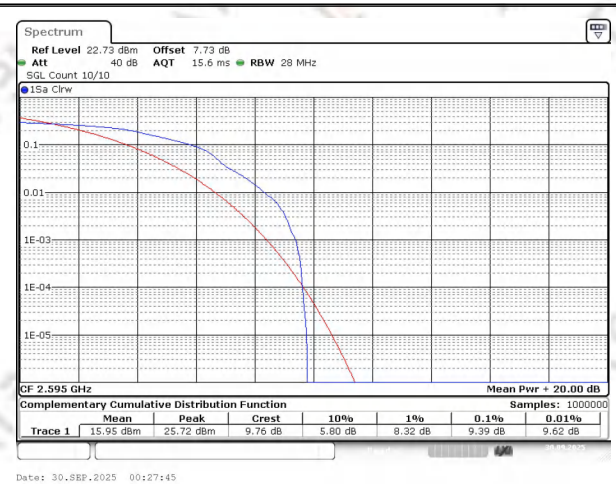
Band38 QPSK BW=15MHz Channel=38000 RB Size=1 Position=#0 NVNT



Band38 QAM16 BW=15MHz Channel=38000 RB Size=1 Position=#0 NVNT



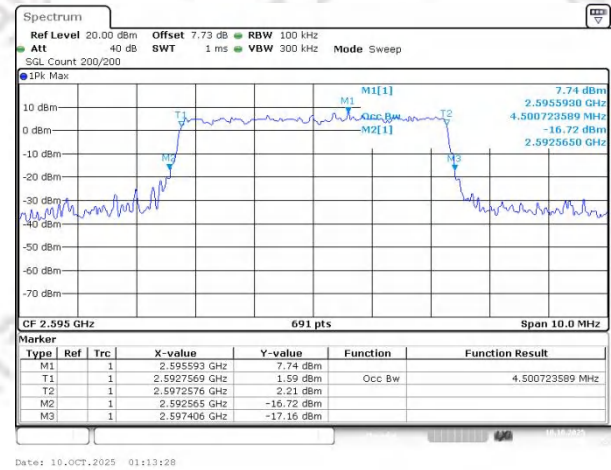
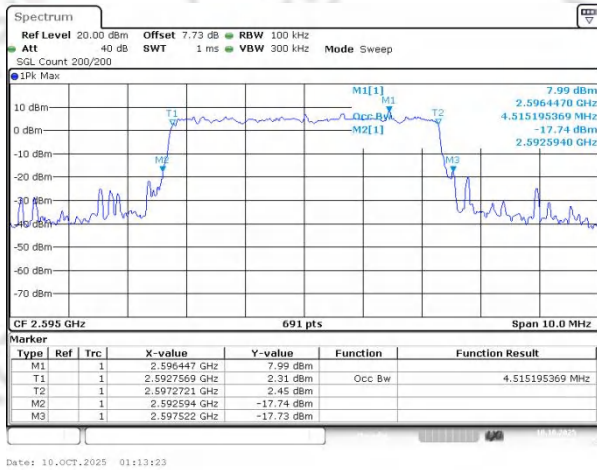
Band38 QPSK BW=20MHz Channel=38000 RB Size=1 Position=#0 NVNT



Band38 QAM16 BW=20MHz Channel=38000 RB Size=1 Position=#0 NVNT

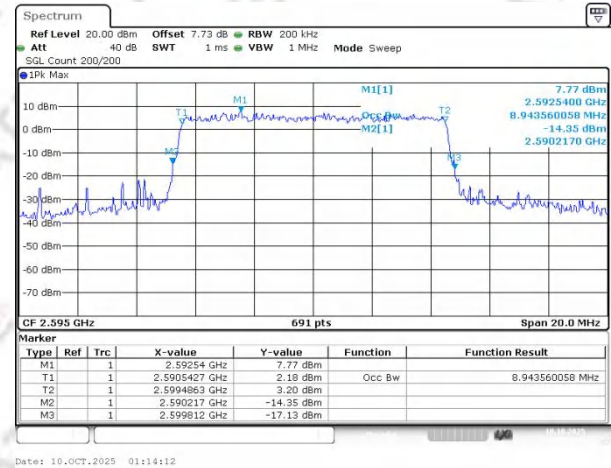
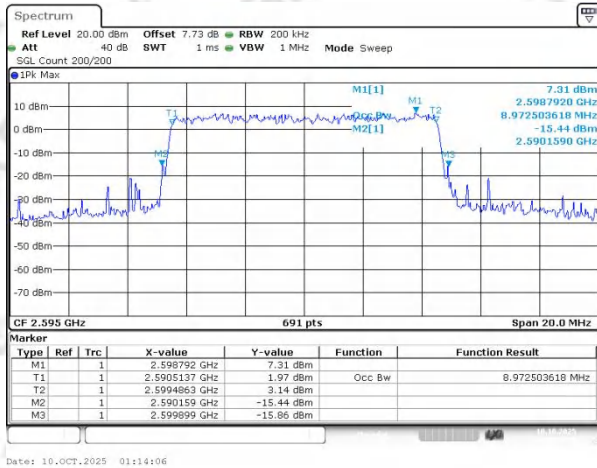
Occupied bandwidth

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
NVNT	Band38	5	37775	25	#0	QPSK	4.486	4.913	PASS
NVNT	Band38	5	37775	25	#0	QAM16	4.486	4.913	PASS
NVNT	Band38	5	38000	25	#0	QPSK	4.515	4.928	PASS
NVNT	Band38	5	38000	25	#0	QAM16	4.501	4.841	PASS
NVNT	Band38	5	38225	25	#0	QPSK	4.501	4.942	PASS
NVNT	Band38	5	38225	25	#0	QAM16	4.515	4.826	PASS
NVNT	Band38	10	37800	50	#0	QPSK	8.973	10.116	PASS
NVNT	Band38	10	37800	50	#0	QAM16	9.001	9.623	PASS
NVNT	Band38	10	38000	50	#0	QPSK	8.973	9.739	PASS
NVNT	Band38	10	38000	50	#0	QAM16	8.944	9.594	PASS
NVNT	Band38	10	38200	50	#0	QPSK	9.001	9.623	PASS
NVNT	Band38	10	38200	50	#0	QAM16	9.001	9.942	PASS
NVNT	Band38	15	37825	75	#0	QPSK	13.459	14.957	PASS
NVNT	Band38	15	37825	75	#0	QAM16	13.502	14.435	PASS
NVNT	Band38	15	38000	75	#0	QPSK	13.459	14.435	PASS
NVNT	Band38	15	38000	75	#0	QAM16	13.546	14.522	PASS
NVNT	Band38	15	38175	75	#0	QPSK	13.459	14.435	PASS
NVNT	Band38	15	38175	75	#0	QAM16	13.546	16.348	PASS
NVNT	Band38	20	37850	100	#0	QPSK	17.945	19.826	PASS
NVNT	Band38	20	37850	100	#0	QAM16	18.003	20.290	PASS
NVNT	Band38	20	38000	100	#0	QPSK	18.003	20.348	PASS
NVNT	Band38	20	38000	100	#0	QAM16	18.003	20.696	PASS
NVNT	Band38	20	38150	100	#0	QPSK	18.003	20.116	PASS
NVNT	Band38	20	38150	100	#0	QAM16	18.003	19.420	PASS



Band38 QPSK BW=5MHz Channel=38000 RB Size=25 Position=#0 NVNT

Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0 NVNT

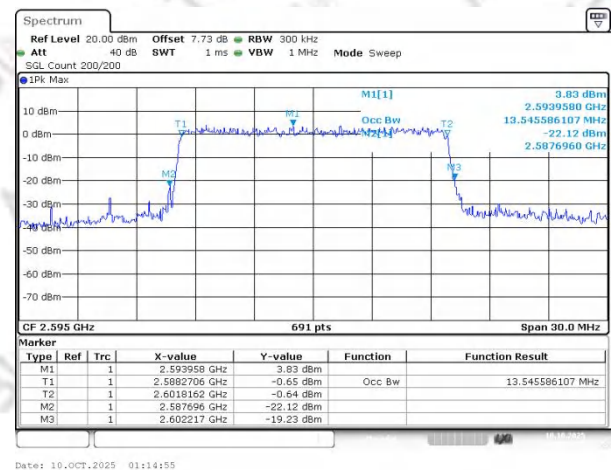
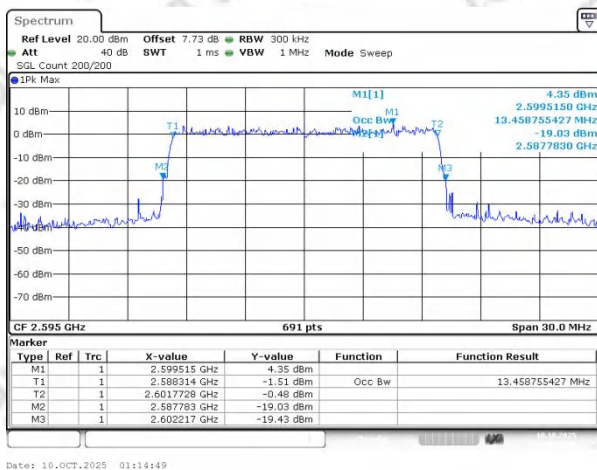


Band38 QPSK BW=10MHz Channel=38000 RB Size=50 Position=#0

Band38 QAM16 BW=10MHz Channel=38000 RB Size=50 Position=#0

NVNT

NVNT

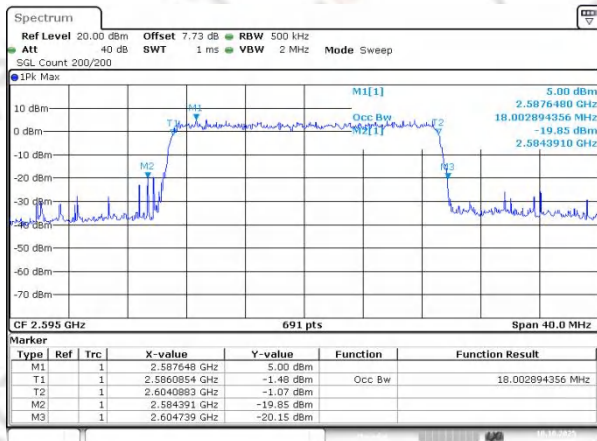


Band38 QPSK BW=15MHz Channel=38000 RB Size=75 Position=#0

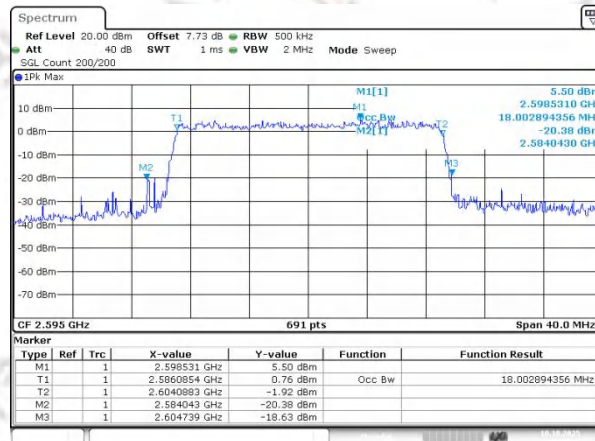
Band38 QAM16 BW=15MHz Channel=38000 RB Size=75 Position=#0

NVNT

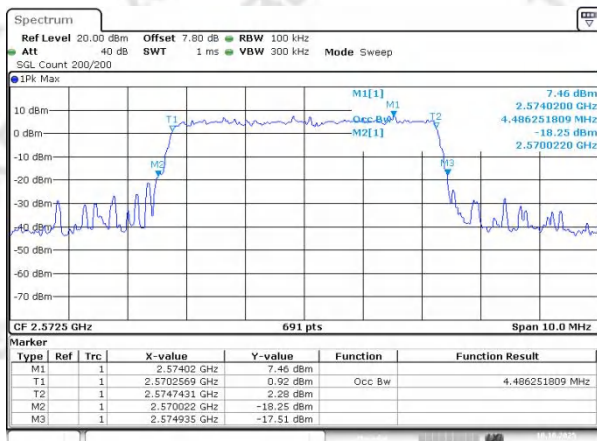
NVNT



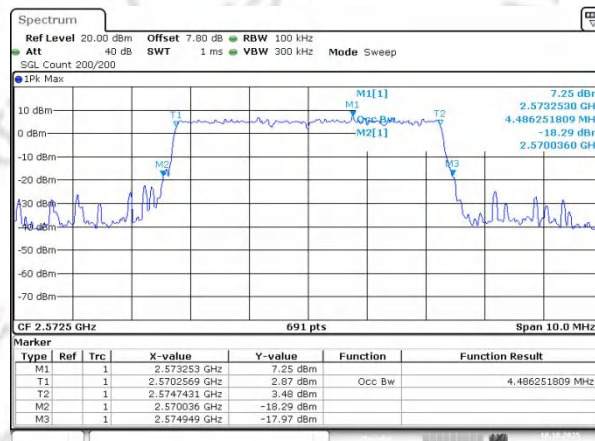
Band38 QPSK BW=20MHz Channel=38000 RB Size=100 Position=#0
NVNT



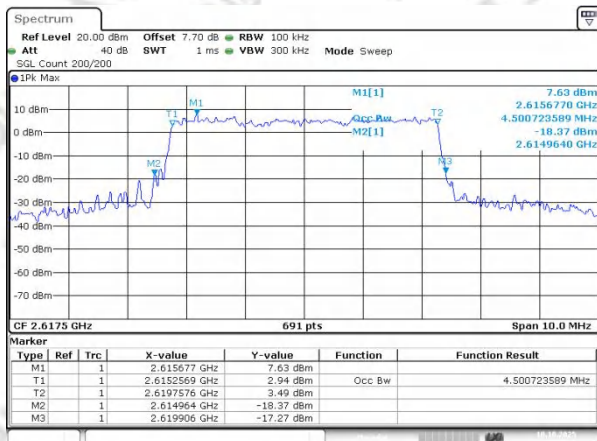
Band38 QAM16 BW=20MHz Channel=38000 RB Size=100 Position=#0
NVNT



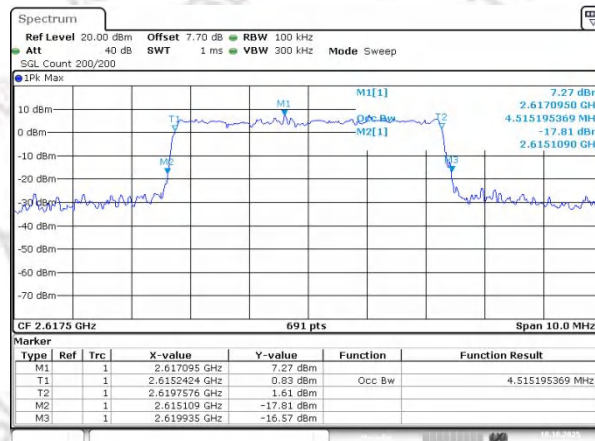
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



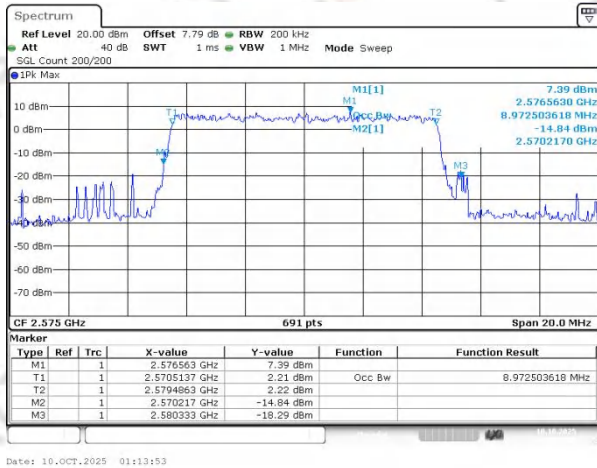
Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



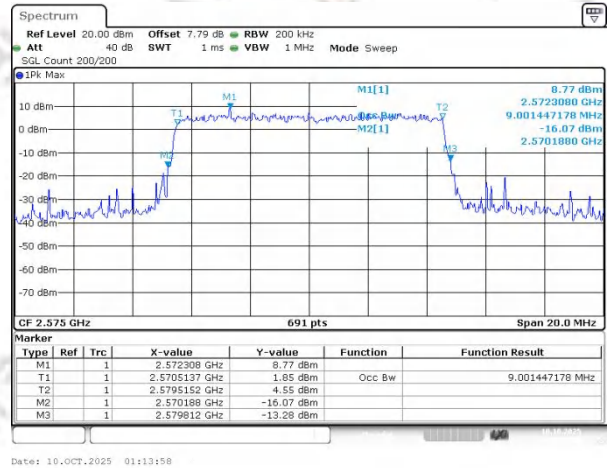
Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



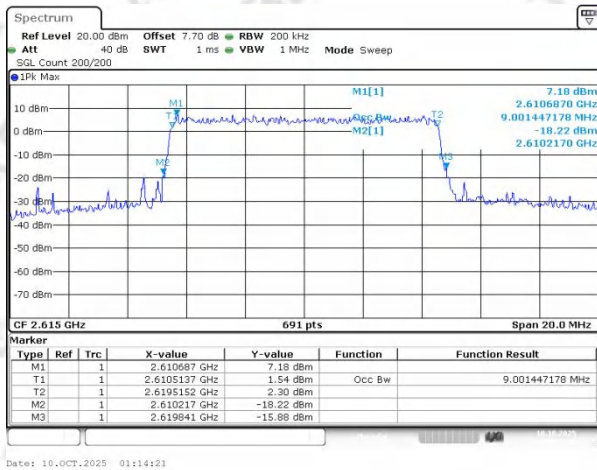
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT



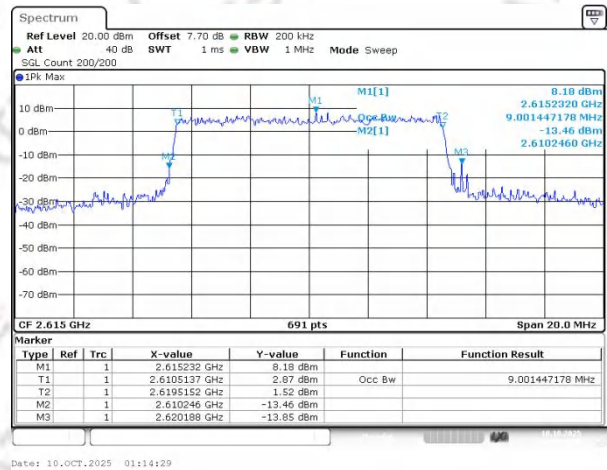
Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0
NVNT



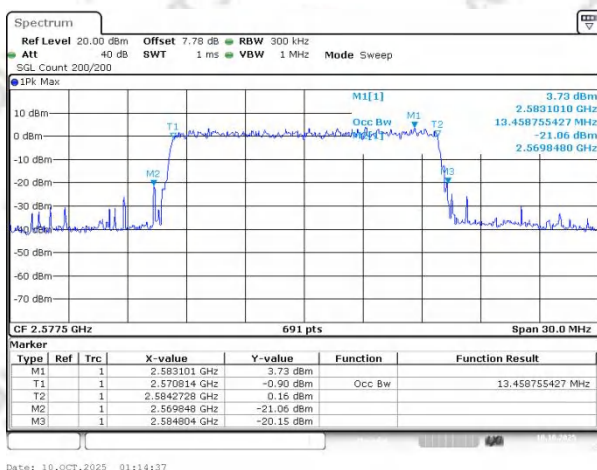
Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0
NVNT



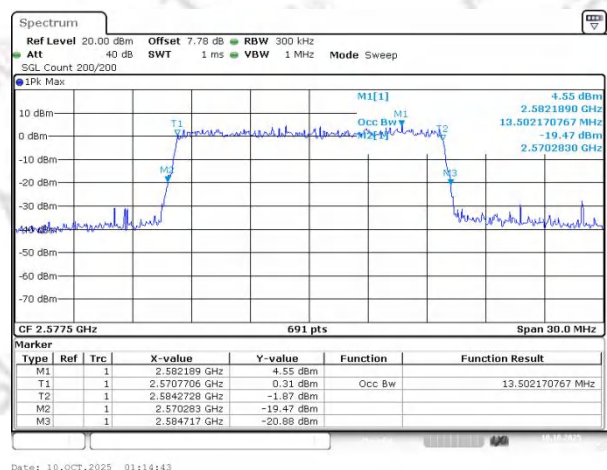
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0
NVNT



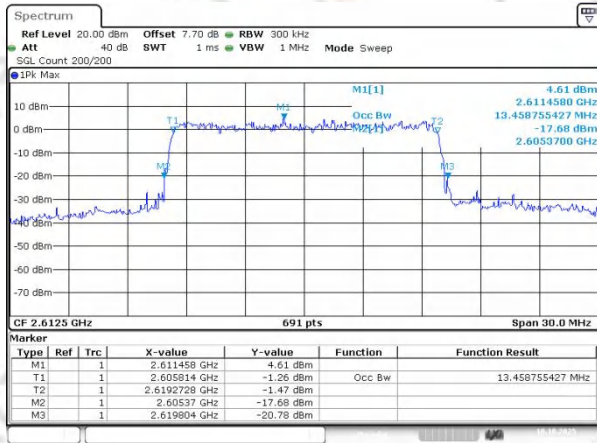
Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0
NVNT



Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0
NVNT



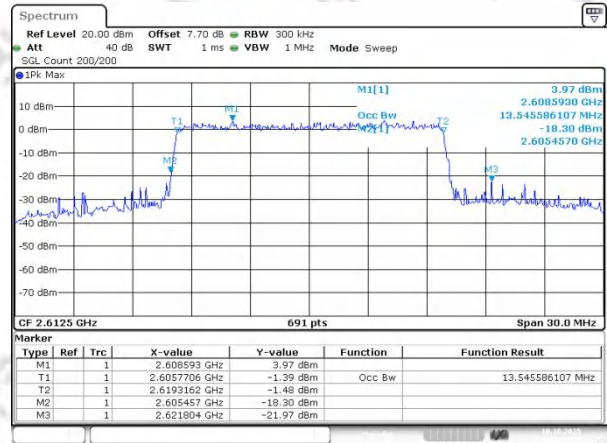
Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0
NVNT



Date: 10.OCT.2025 01:15:02

Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0

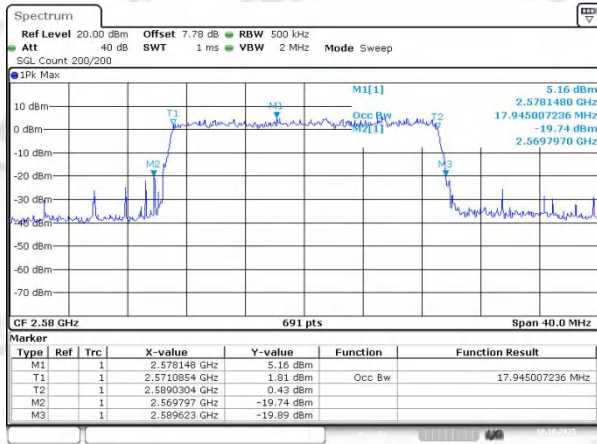
NVNT



Date: 10.OCT.2025 01:15:07

Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0

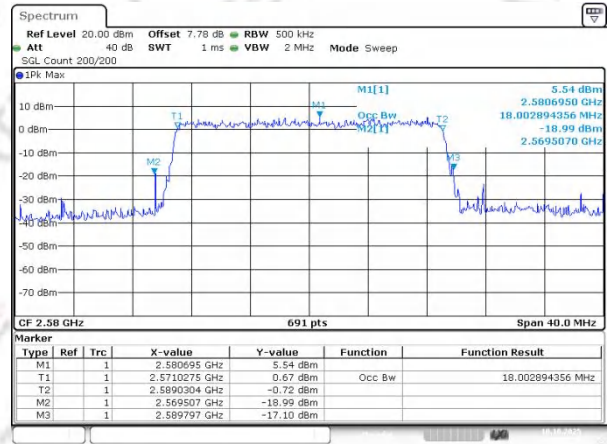
NVNT



Date: 10.OCT.2025 01:15:15

Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0

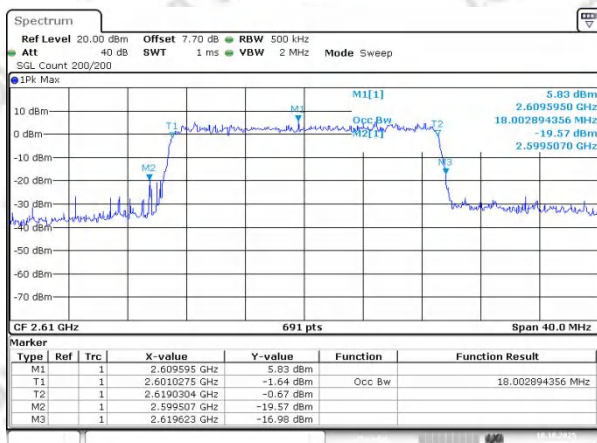
NVNT



Date: 10.OCT.2025 01:15:21

Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0

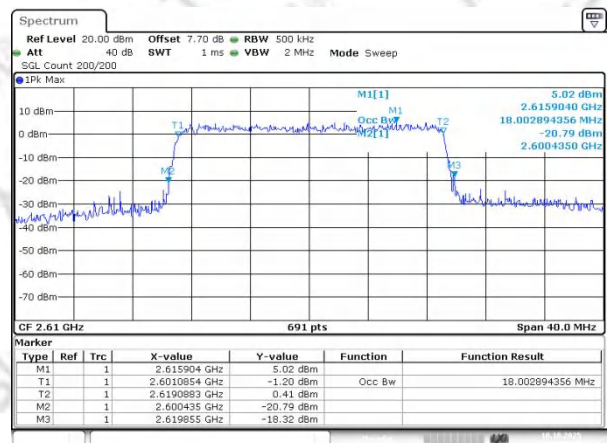
NVNT



Date: 10.OCT.2025 01:15:40

Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0

NVNT



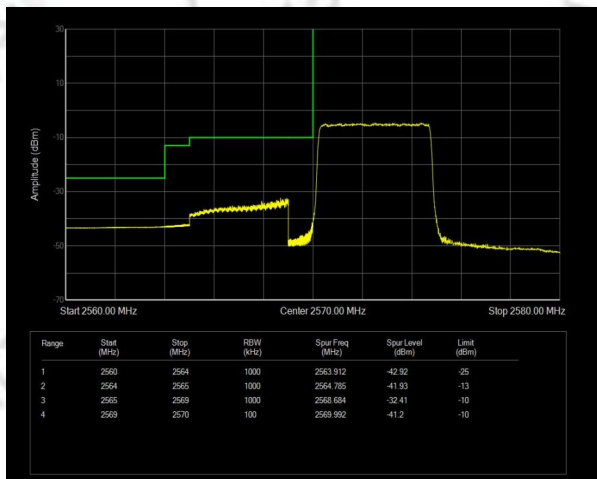
Date: 10.OCT.2025 01:15:45

Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0

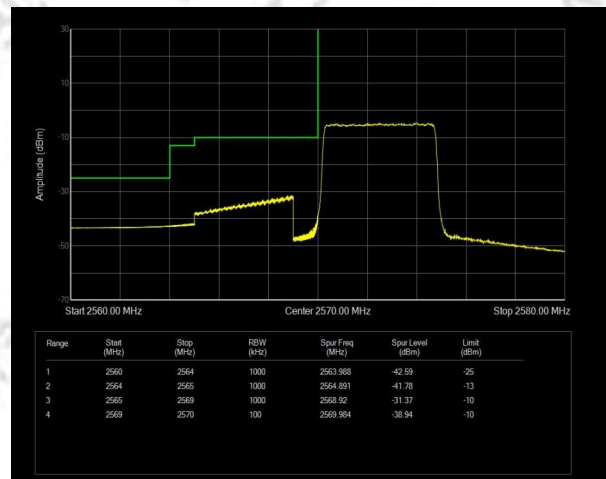
NVNT

Band edge

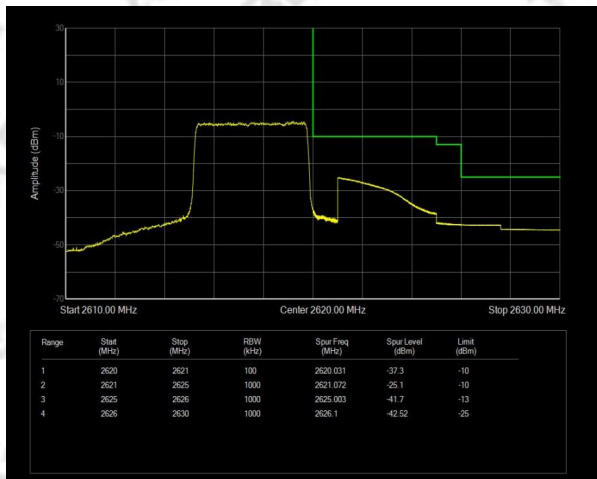
Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band38	5	37775	25	#0	QPSK	2563.91	-42.92	-25	PASS
NVNT	Band38	5	37775	25	#0	QAM16	2563.99	-42.59	-25	PASS
NVNT	Band38	5	38225	25	#0	QPSK	2621.07	-25.10	-10	PASS
NVNT	Band38	5	38225	25	#0	QAM16	2621.14	-23.44	-10	PASS
NVNT	Band38	10	37800	50	#0	QPSK	2559.98	-43.18	-25	PASS
NVNT	Band38	10	37800	50	#0	QAM16	2559.93	-43.01	-25	PASS
NVNT	Band38	10	38200	50	#0	QPSK	2621.16	-26.80	-10	PASS
NVNT	Band38	10	38200	50	#0	QAM16	2621.12	-25.12	-10	PASS
NVNT	Band38	15	37825	75	#0	QPSK	2554.79	-43.28	-25	PASS
NVNT	Band38	15	37825	75	#0	QAM16	2555.00	-43.13	-25	PASS
NVNT	Band38	15	38175	75	#0	QPSK	2621.08	-26.79	-10	PASS
NVNT	Band38	15	38175	75	#0	QAM16	2621.02	-25.91	-10	PASS
NVNT	Band38	20	37850	100	#0	QPSK	2549.69	-44.72	-25	PASS
NVNT	Band38	20	37850	100	#0	QAM16	2549.79	-44.64	-25	PASS
NVNT	Band38	20	38150	100	#0	QPSK	2640.86	-44.25	-25	PASS
NVNT	Band38	20	38150	100	#0	QAM16	2621.14	-28.32	-10	PASS



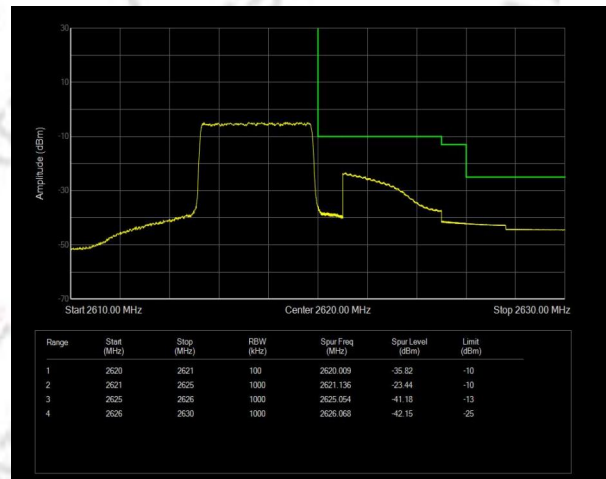
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT



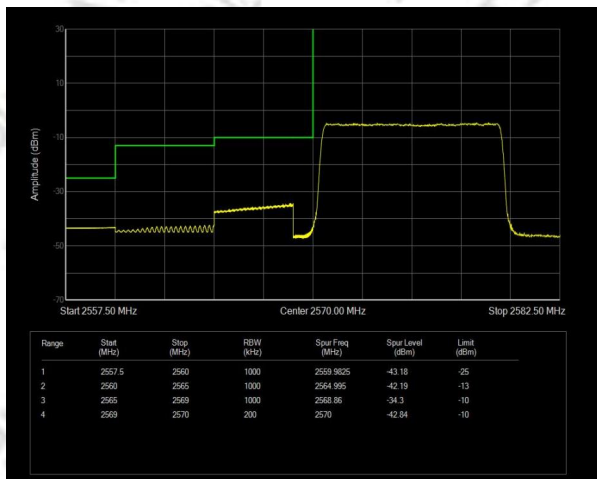
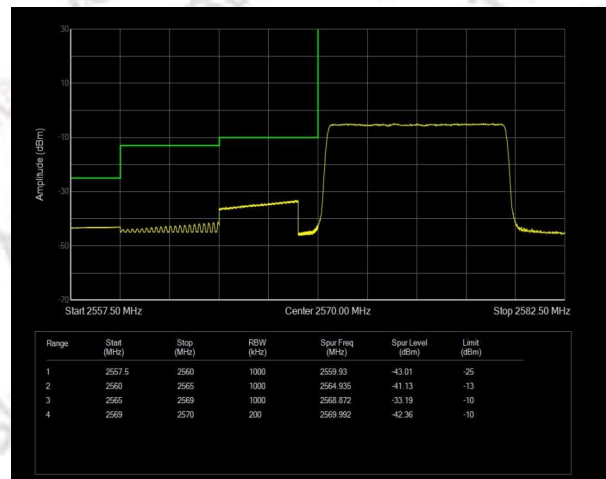
Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT

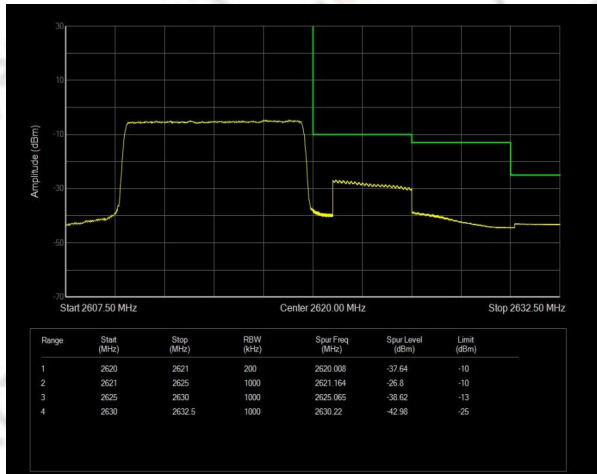


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT

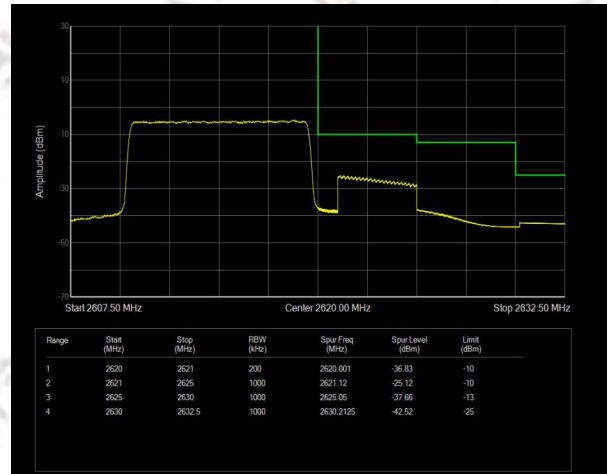


Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT

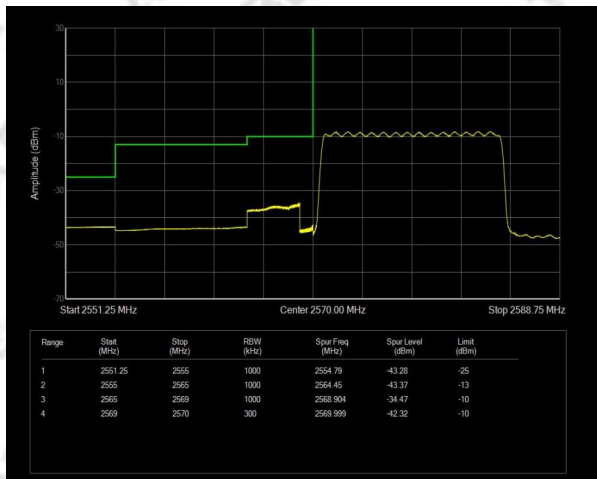

Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0
NVNT

Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0
NVNT



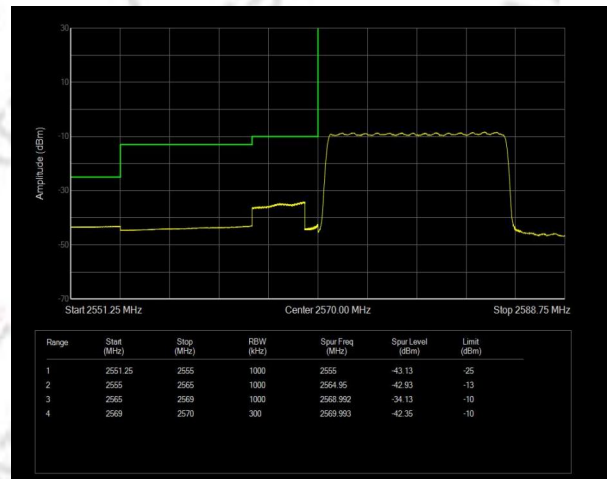
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0
NVNT



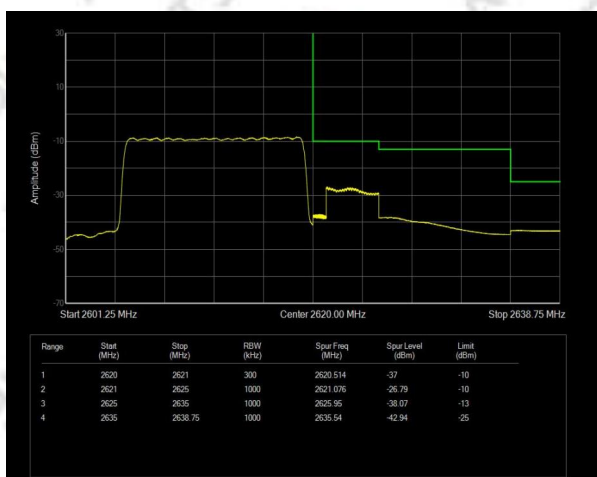
Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0
NVNT



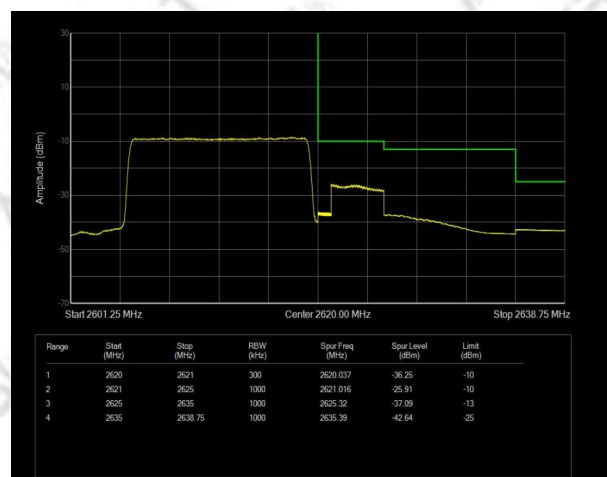
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0
NVNT



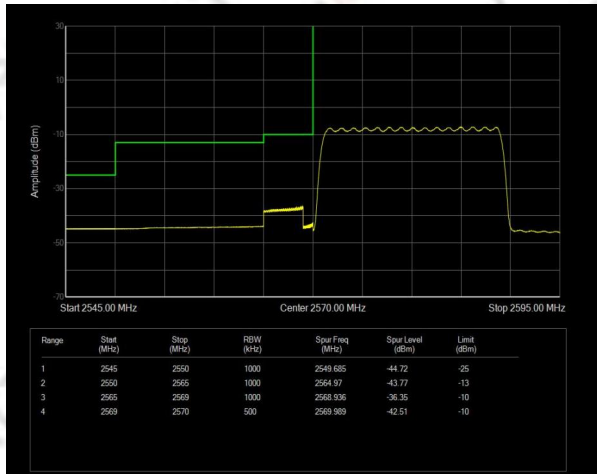
Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0
NVNT



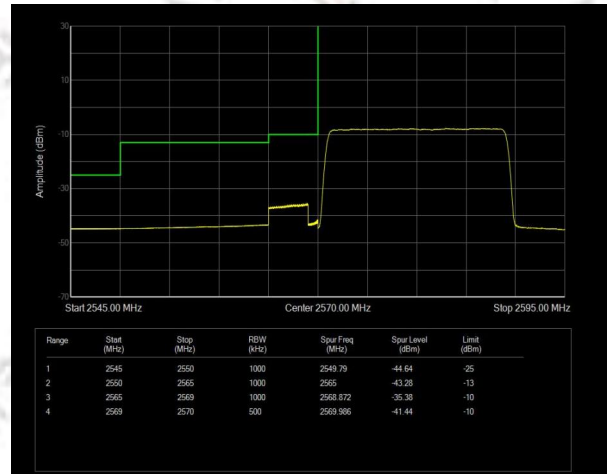
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0
NVNT



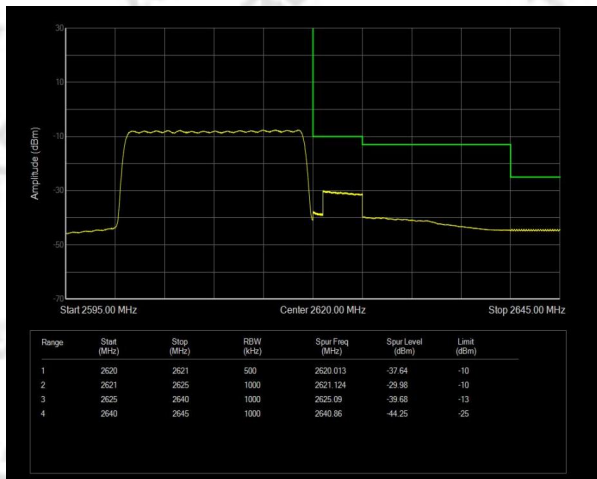
Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0
NVNT



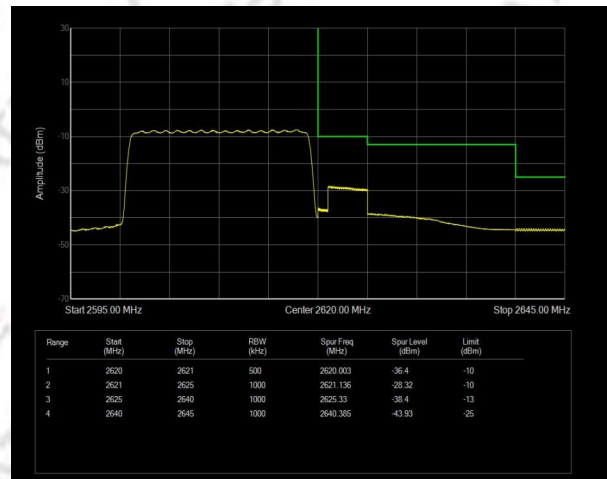
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0
NVNT



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0
NVNT



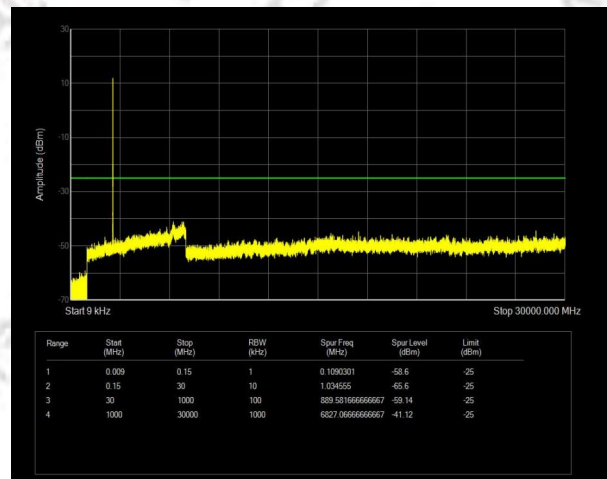
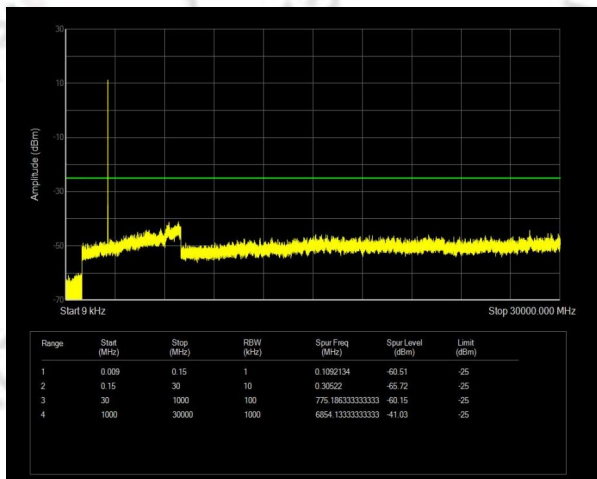
Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0
NVNT



Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0
NVNT

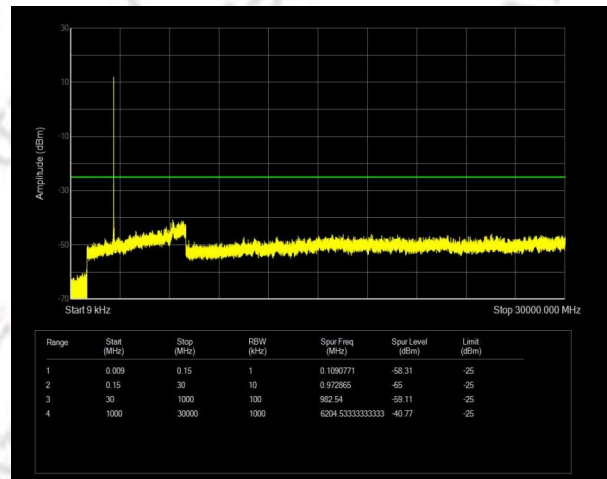
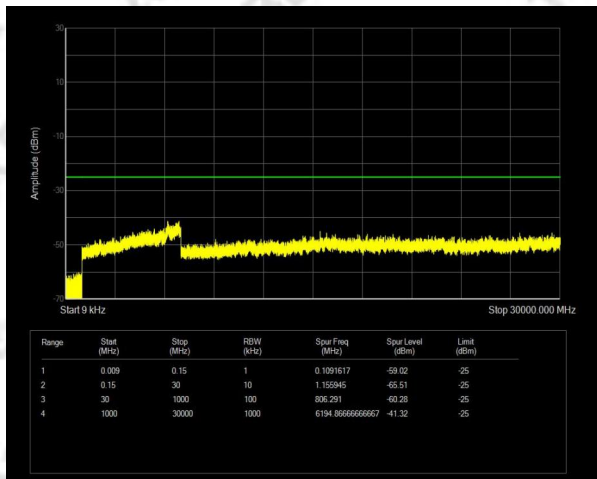
Out-of-band emissions

Condition	Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
NVNT	Band38	5	37775	25	#0	QPSK	6854.13	-41.03	-25	PASS
NVNT	Band38	5	37775	25	#0	QAM16	6827.07	-41.12	-25	PASS
NVNT	Band38	5	38225	25	#0	QPSK	6194.87	-41.32	-25	PASS
NVNT	Band38	5	38225	25	#0	QAM16	6204.53	-40.77	-25	PASS
NVNT	Band38	10	37800	50	#0	QPSK	6835.77	-40.60	-25	PASS
NVNT	Band38	10	37800	50	#0	QAM16	6804.83	-41.07	-25	PASS
NVNT	Band38	10	38200	50	#0	QPSK	6743.93	-41.90	-25	PASS
NVNT	Band38	10	38200	50	#0	QAM16	6820.30	-41.00	-25	PASS
NVNT	Band38	15	37825	75	#0	QPSK	6745.87	-40.86	-25	PASS
NVNT	Band38	15	37825	75	#0	QAM16	6780.67	-41.23	-25	PASS
NVNT	Band38	15	38175	75	#0	QPSK	6864.77	-41.78	-25	PASS
NVNT	Band38	15	38175	75	#0	QAM16	6853.17	-41.48	-25	PASS
NVNT	Band38	20	37850	100	#0	QPSK	6812.57	-41.56	-25	PASS
NVNT	Band38	20	37850	100	#0	QAM16	6279.93	-41.04	-25	PASS
NVNT	Band38	20	38150	100	#0	QPSK	6670.47	-41.07	-25	PASS
NVNT	Band38	20	38150	100	#0	QAM16	6809.67	-41.13	-25	PASS



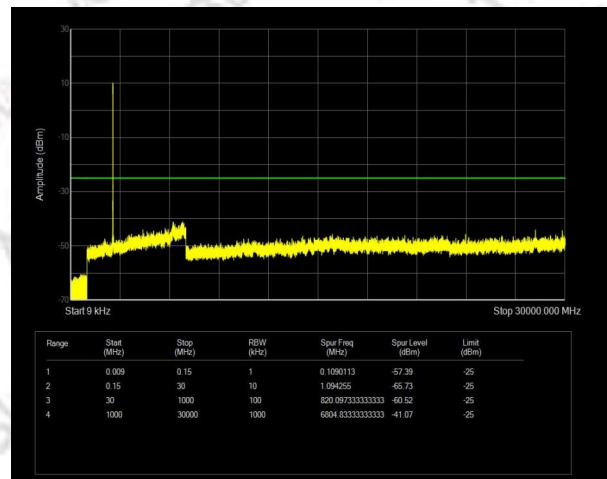
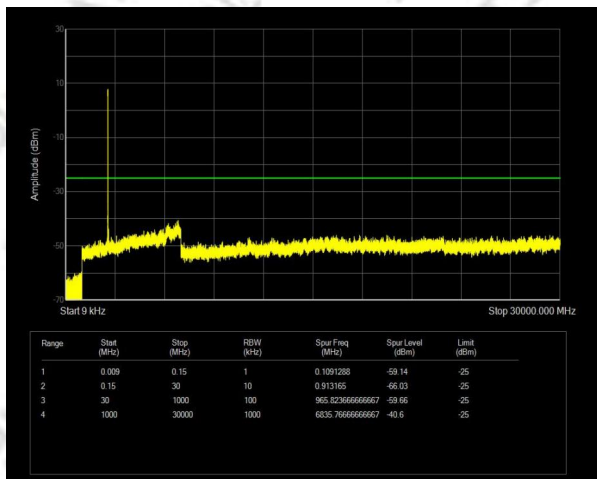
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT

Band38 QAM16 BW=5MHz Channel=37775 RB Size=25 Position=#0 NVNT

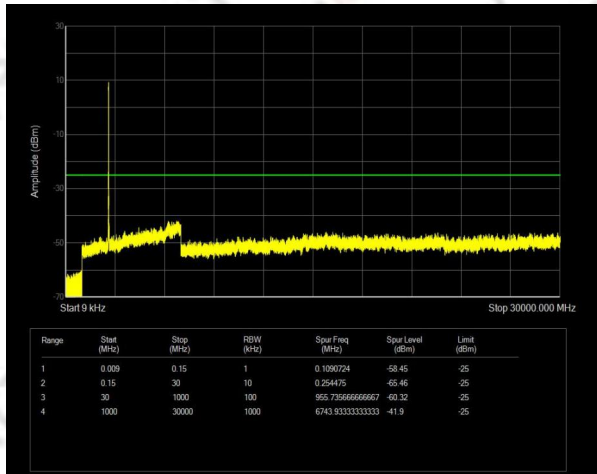


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT

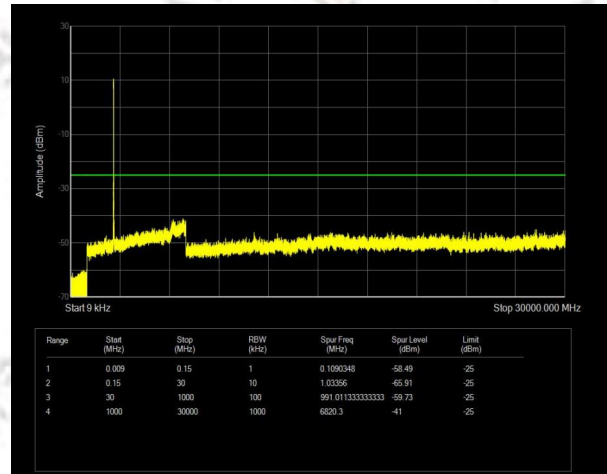
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0 NVNT


Band38 QPSK BW=10MHz Channel=37800 RB Size=50 Position=#0
NVNT

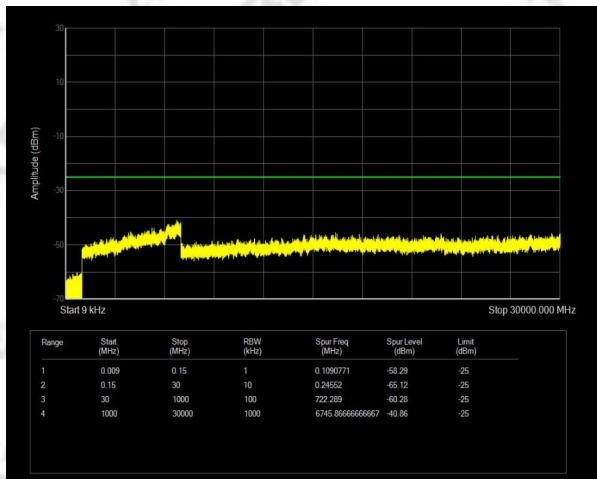
Band38 QAM16 BW=10MHz Channel=37800 RB Size=50 Position=#0
NVNT



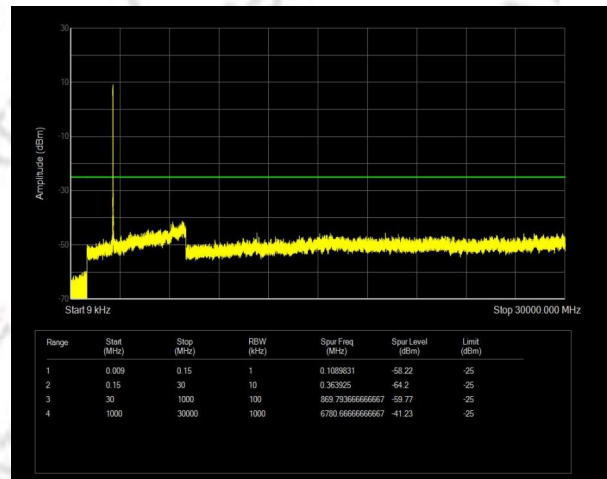
Band38 QPSK BW=10MHz Channel=38200 RB Size=50 Position=#0
NVNT



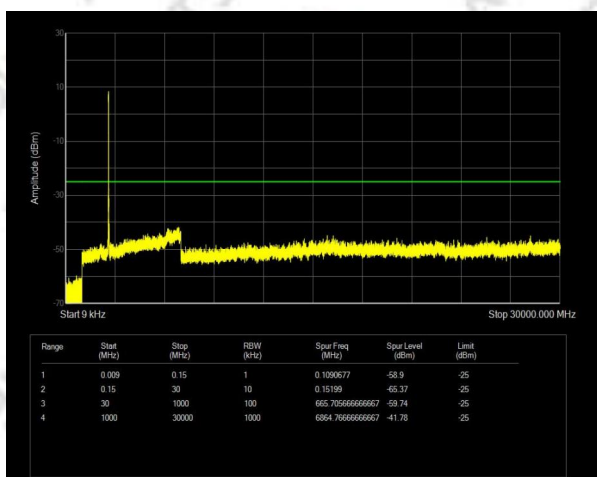
Band38 QAM16 BW=10MHz Channel=38200 RB Size=50 Position=#0
NVNT



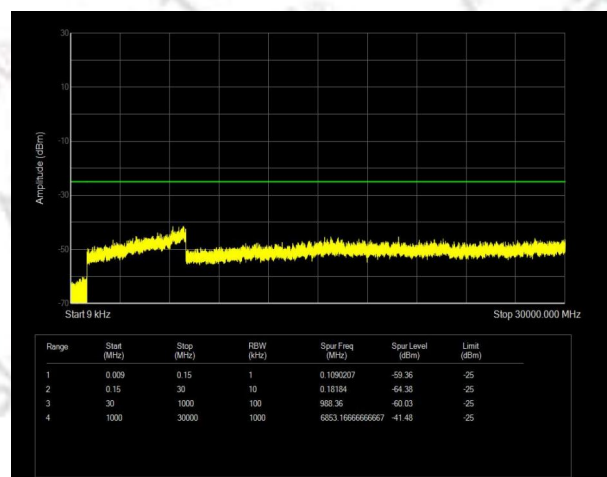
Band38 QPSK BW=15MHz Channel=37825 RB Size=75 Position=#0
NVNT



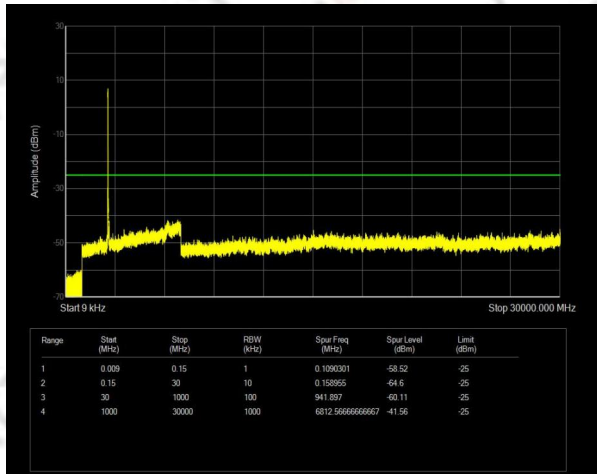
Band38 QAM16 BW=15MHz Channel=37825 RB Size=75 Position=#0
NVNT



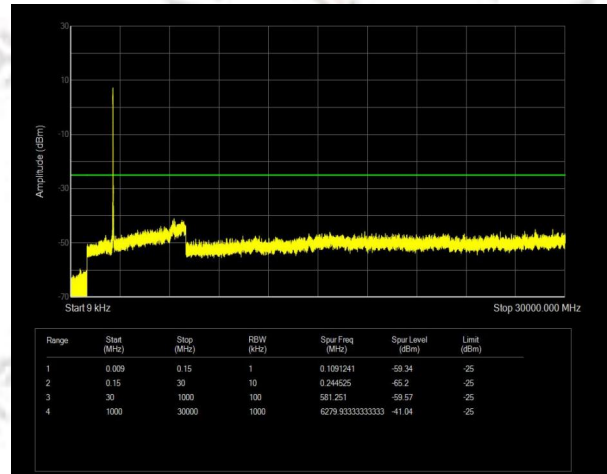
Band38 QPSK BW=15MHz Channel=38175 RB Size=75 Position=#0
NVNT



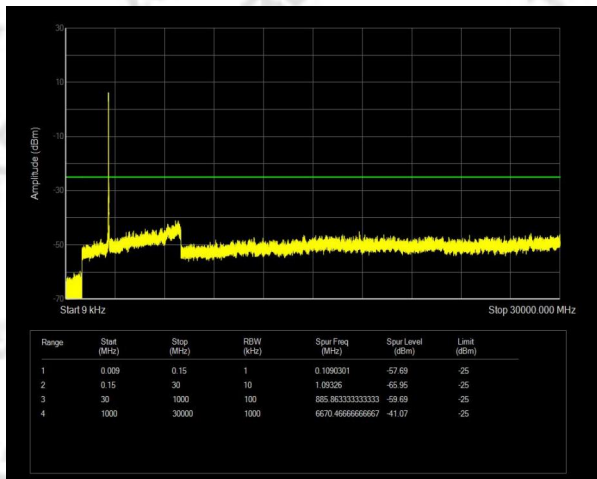
Band38 QAM16 BW=15MHz Channel=38175 RB Size=75 Position=#0
NVNT



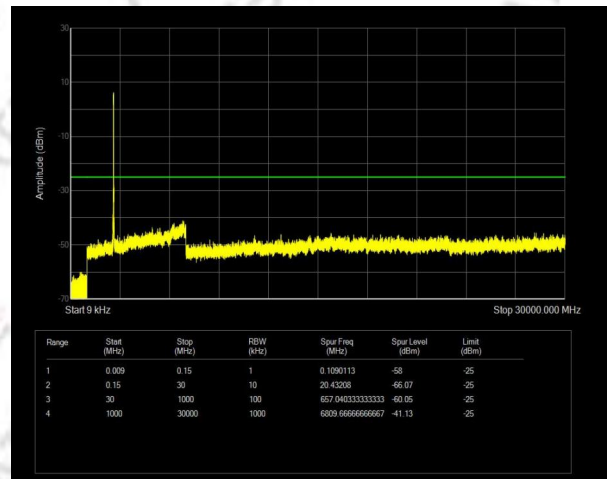
Band38 QPSK BW=20MHz Channel=37850 RB Size=100 Position=#0
NVNT



Band38 QAM16 BW=20MHz Channel=37850 RB Size=100 Position=#0
NVNT



Band38 QPSK BW=20MHz Channel=38150 RB Size=100 Position=#0
NVNT

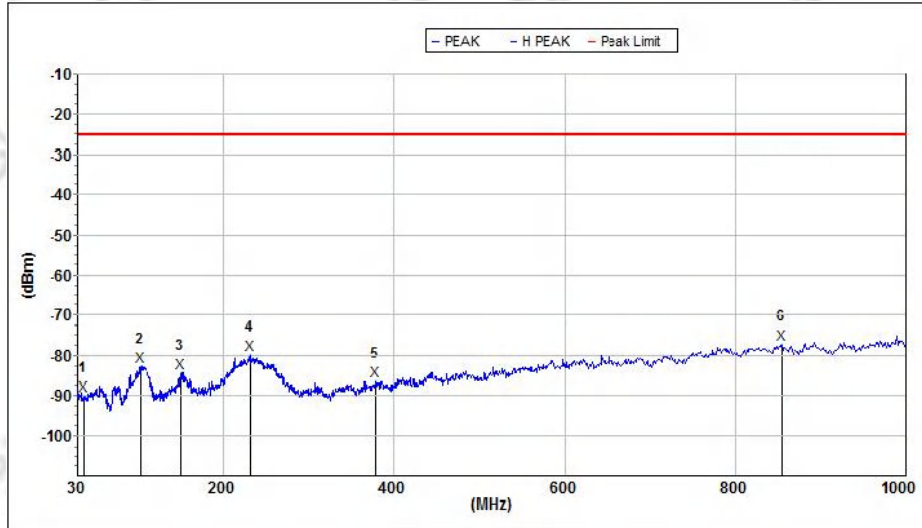


Band38 QAM16 BW=20MHz Channel=38150 RB Size=100 Position=#0
NVNT

Radiated Test Data

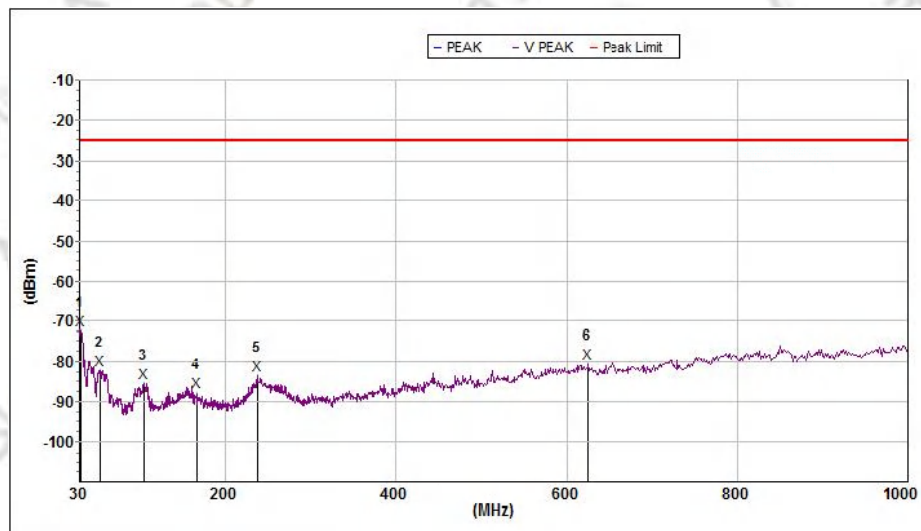
For 30 MHz ~ 1 GHz

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	37.220	-90.0	-25.0	65.0	18.8	31.8	H
2	103.624	-82.7	-25.0	57.7	15.1	30.8	H
3	151.067	-84.3	-25.0	59.3	19.1	31.3	H
4	232.940	-79.8	-25.0	54.8	17.0	32.0	H
5	377.921	-86.2	-25.0	61.2	20.9	33.0	H
6	854.025	-77.2	-25.0	52.2	28.8	32.2	H

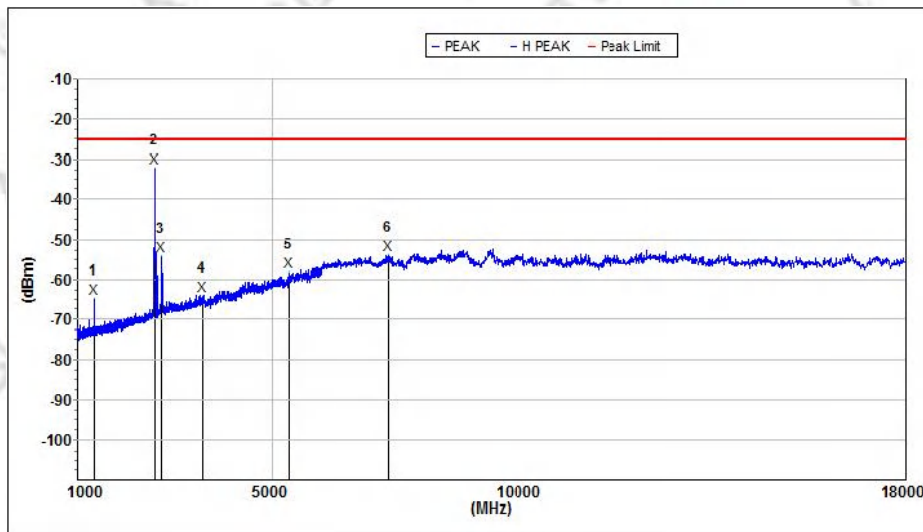
Mode:16QPSK / Middle Channel / Vertical



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak							
1	31.510	-72.3	-25.0	47.3	18.5	31.8	V
2	53.225	-82.1	-25.0	57.1	19.1	31.0	V
3	104.170	-85.2	-25.0	60.2	15.2	30.8	V
4	167.237	-87.7	-25.0	62.7	18.0	31.5	V
5	238.310	-83.4	-25.0	58.4	17.2	32.0	V
6	625.078	-80.4	-25.0	55.4	26.2	31.8	V

For 1 GHz ~ 18 GHz

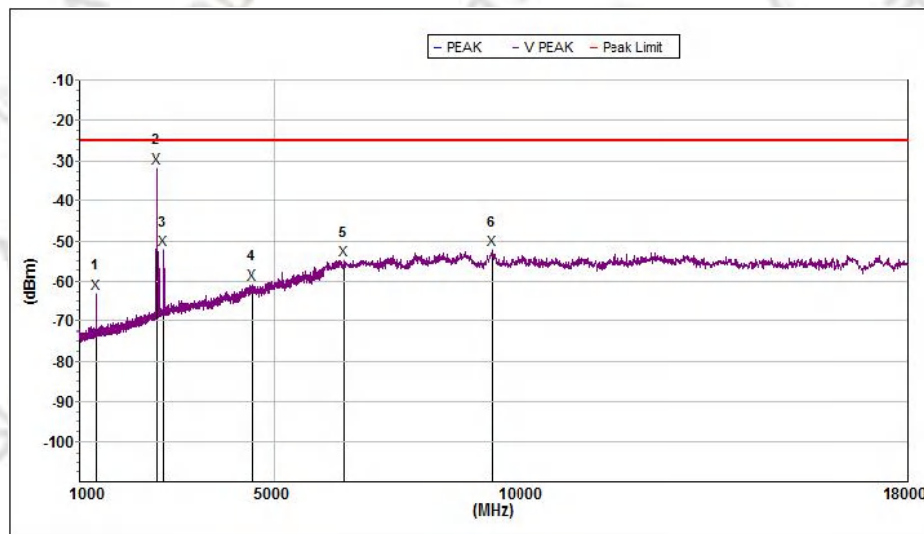
Mode:16QPSK / Middle Channel / Horizontal



Mk.	Freq. (MHz)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Ant.F/G. (dB)	Amp.G. (dB)	Pol.
Peak							
1	1332.807	-64.5	-25.0	39.5	25.6	53.5	H
2	2593.598	-32.0	-25.0	7.0	27.9	54.1	H
3	2729.536	-54.2	-25.0	29.2	28.4	54.1	H
4	3554.046	-63.8	-25.0	38.8	29.7	53.7	H
5	5323.823	-57.9	-25.0	32.9	33.0	52.3	H
6	7384.603	-53.7	-25.0	28.7	36.2	51.8	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	1330.612	-62.8	-25.0	37.8	25.6	53.5	V
2	2595.023	-31.7	-25.0	6.7	27.9	54.1	V
3	2723.545	-52.1	-25.0	27.1	28.4	54.1	V
4	4551.880	-60.8	-25.0	35.8	31.8	52.9	V
5	6437.052	-54.6	-25.0	29.6	35.1	51.6	V
6	9465.784	-52.2	-25.0	27.2	38.1	52.2	V

Note:Point 2 serves as the primary frequency signal.

*****END OF THE APPENDIX A8.5*****