

Appendix A _ Conducted Test Data

A1 Conducted output power and EIRP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	EIRP (dBm)	EIRP Limit (dBm)	Verdict
Band38	5	37775	1	#0	QAM16	22.58	-5.5	17.08	33	PASS
Band38	5	37775	1	#Mid	QAM16	22.58	-5.5	17.08	33	PASS
Band38	5	37775	1	#Max	QAM16	22.55	-5.5	17.05	33	PASS
Band38	5	37775	12	#0	QAM16	21.50	-5.5	16.00	33	PASS
Band38	5	37775	12	#Mid	QAM16	21.39	-5.5	15.89	33	PASS
Band38	5	37775	12	#Max	QAM16	21.37	-5.5	15.87	33	PASS
Band38	5	37775	25	#0	QAM16	21.73	-5.5	16.23	33	PASS
Band38	5	38000	1	#0	QAM16	22.30	-5.5	16.80	33	PASS
Band38	5	38000	1	#Mid	QAM16	22.38	-5.5	16.88	33	PASS
Band38	5	38000	1	#Max	QAM16	22.29	-5.5	16.79	33	PASS
Band38	5	38000	12	#0	QAM16	21.52	-5.5	16.02	33	PASS
Band38	5	38000	12	#Mid	QAM16	21.50	-5.5	16.00	33	PASS
Band38	5	38000	12	#Max	QAM16	21.56	-5.5	16.06	33	PASS
Band38	5	38000	25	#0	QAM16	21.64	-5.5	16.14	33	PASS
Band38	5	38225	1	#0	QAM16	22.31	-5.5	16.81	33	PASS
Band38	5	38225	1	#Mid	QAM16	22.28	-5.5	16.78	33	PASS
Band38	5	38225	1	#Max	QAM16	22.24	-5.5	16.74	33	PASS
Band38	5	38225	12	#0	QAM16	21.47	-5.5	15.97	33	PASS
Band38	5	38225	12	#Mid	QAM16	21.55	-5.5	16.05	33	PASS
Band38	5	38225	12	#Max	QAM16	21.52	-5.5	16.02	33	PASS
Band38	5	38225	25	#0	QAM16	21.48	-5.5	15.98	33	PASS
Band38	5	37775	1	#0	QPSK	23.68	-5.5	18.18	33	PASS
Band38	5	37775	1	#Mid	QPSK	24.06	-5.5	18.56	33	PASS
Band38	5	37775	1	#Max	QPSK	23.43	-5.5	17.93	33	PASS
Band38	5	37775	12	#0	QPSK	22.64	-5.5	17.14	33	PASS
Band38	5	37775	12	#Mid	QPSK	22.73	-5.5	17.23	33	PASS
Band38	5	37775	12	#Max	QPSK	22.69	-5.5	17.19	33	PASS
Band38	5	37775	25	#0	QPSK	22.93	-5.5	17.43	33	PASS
Band38	5	38000	1	#0	QPSK	23.19	-5.5	17.69	33	PASS
Band38	5	38000	1	#Mid	QPSK	23.73	-5.5	18.23	33	PASS
Band38	5	38000	1	#Max	QPSK	23.25	-5.5	17.75	33	PASS
Band38	5	38000	12	#0	QPSK	22.58	-5.5	17.08	33	PASS
Band38	5	38000	12	#Mid	QPSK	22.65	-5.5	17.15	33	PASS
Band38	5	38000	12	#Max	QPSK	22.61	-5.5	17.11	33	PASS
Band38	5	38000	25	#0	QPSK	22.83	-5.5	17.33	33	PASS
Band38	5	38225	1	#0	QPSK	23.21	-5.5	17.71	33	PASS
Band38	5	38225	1	#Mid	QPSK	23.30	-5.5	17.80	33	PASS
Band38	5	38225	1	#Max	QPSK	23.27	-5.5	17.77	33	PASS



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Band38	5	38225	12	#0	QPSK	22.56	-5.5	17.06	33	PASS
Band38	5	38225	12	#Mid	QPSK	22.55	-5.5	17.05	33	PASS
Band38	5	38225	12	#Max	QPSK	22.61	-5.5	17.11	33	PASS
Band38	5	38225	25	#0	QPSK	22.62	-5.5	17.12	33	PASS

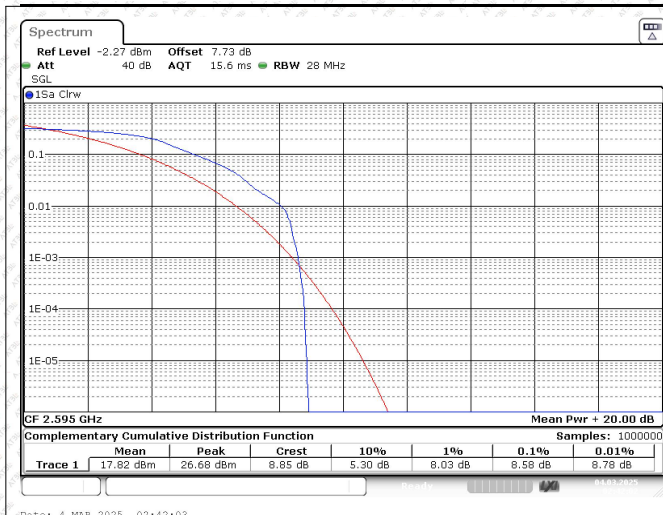
A2 Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band38	5	38000	25	#0	QPSK	VL	NT	0.5	0.000	PASS
Band38	5	38000	25	#0	QPSK	VN	NT	-0.01	0.000	PASS
Band38	5	38000	25	#0	QPSK	VH	NT	1.36	0.001	PASS

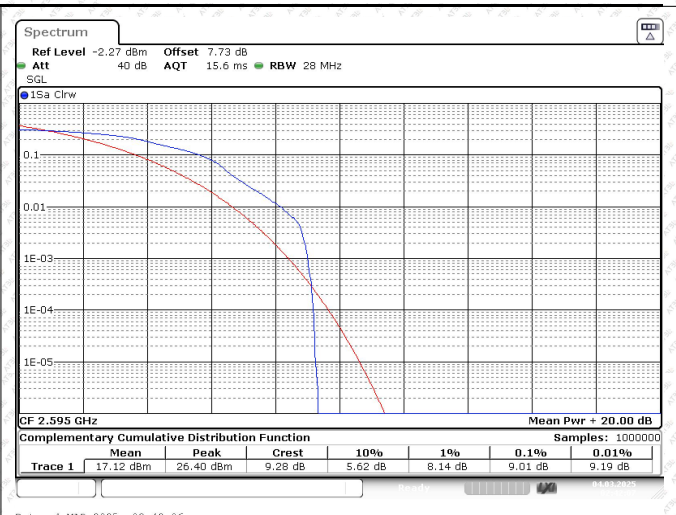
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band38	5	38000	25	#0	QPSK	NV	-30	1.75	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	-20	0.59	0.000	PASS
Band38	5	38000	25	#0	QPSK	NV	-10	0.93	0.000	PASS
Band38	5	38000	25	#0	QPSK	NV	0	3.05	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	10	1.65	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	20	1.59	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	30	1.4	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	40	1.34	0.001	PASS
Band38	5	38000	25	#0	QPSK	NV	50	2.75	0.001	PASS

A3 Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band38	5	38000	1	#0	QAM16	9.01	13	PASS
Band38	5	38000	1	#0	QPSK	8.58	13	PASS



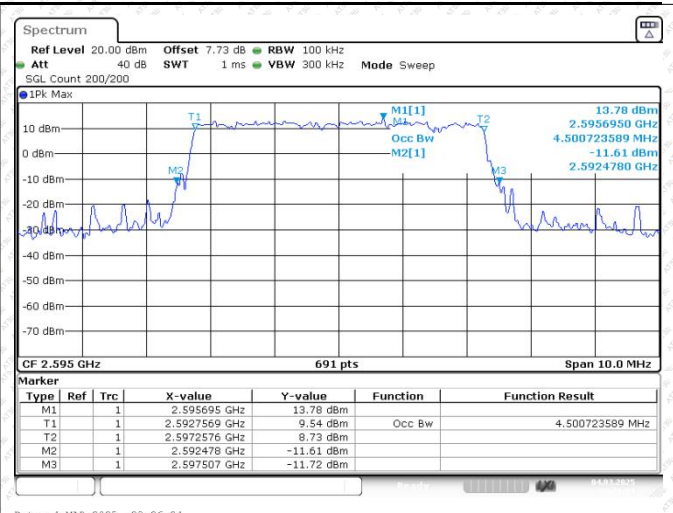
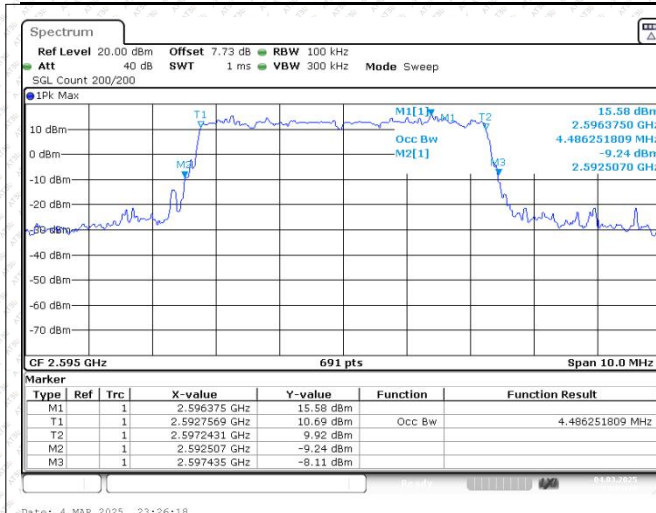
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Band38 QAM16 BW=5MHz Channel=38000 RB Size=1 Position=#0

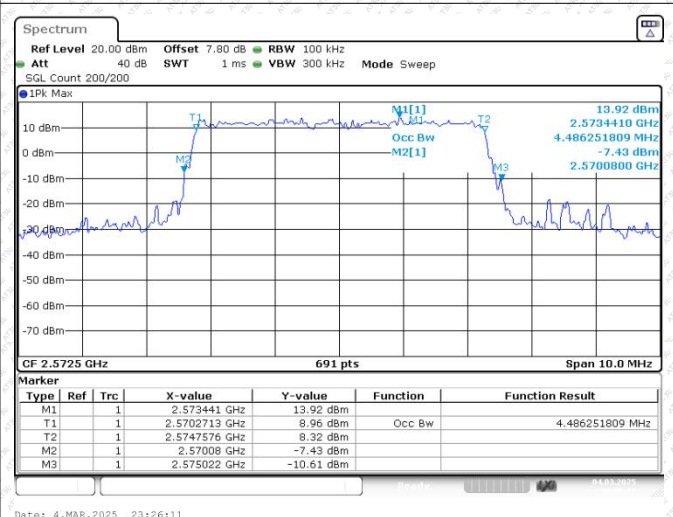
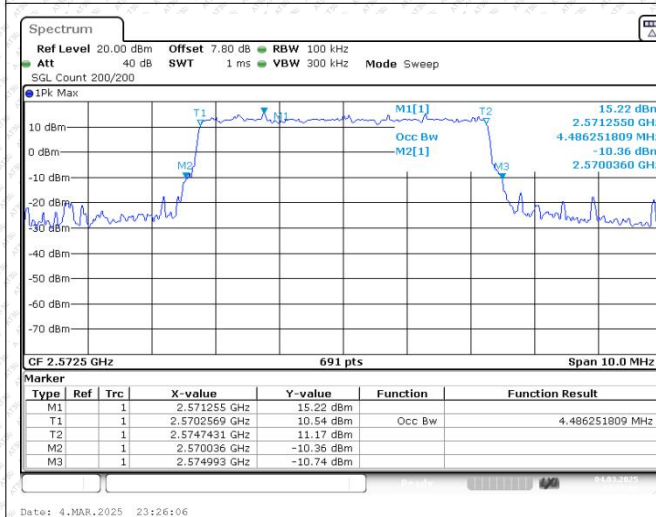
A4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band38	5	37775	25	#0	QAM16	4.486	4.942	PASS
Band38	5	38000	25	#0	QAM16	4.501	5.029	PASS
Band38	5	38225	25	#0	QAM16	4.486	4.957	PASS
Band38	5	37775	25	#0	QPSK	4.486	4.957	PASS
Band38	5	38000	25	#0	QPSK	4.486	4.928	PASS
Band38	5	38225	25	#0	QPSK	4.501	4.870	PASS



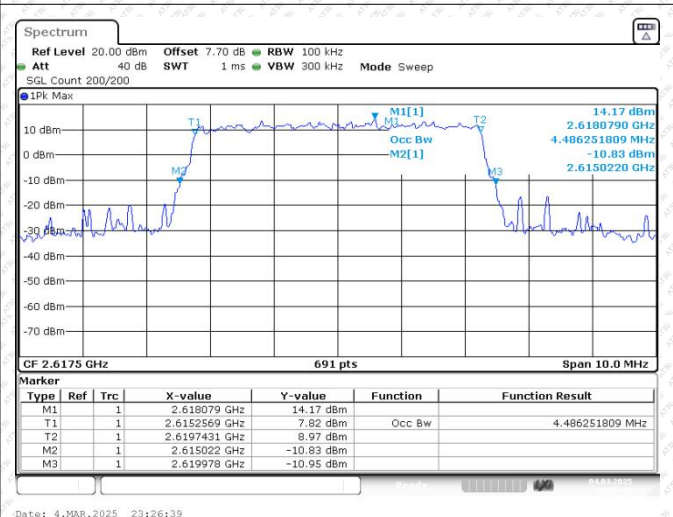
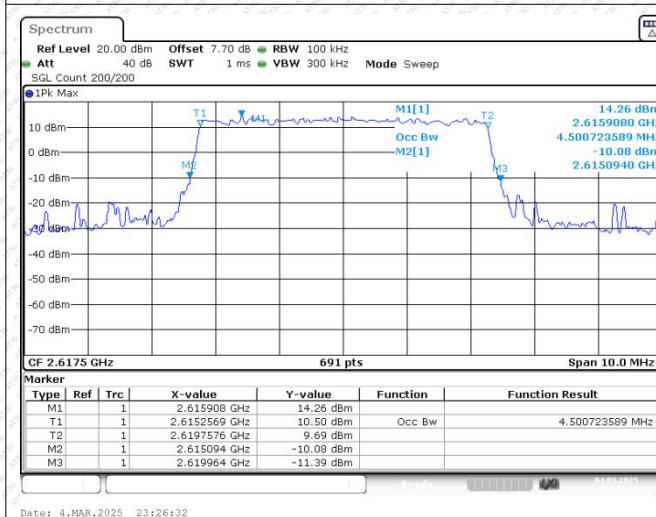
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Band38 QAM16 BW=5MHz Channel=38000 RB Size=25 Position=#0



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

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

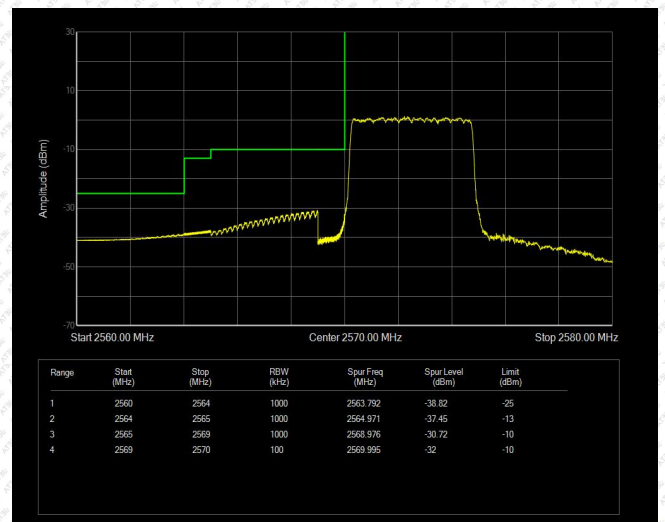
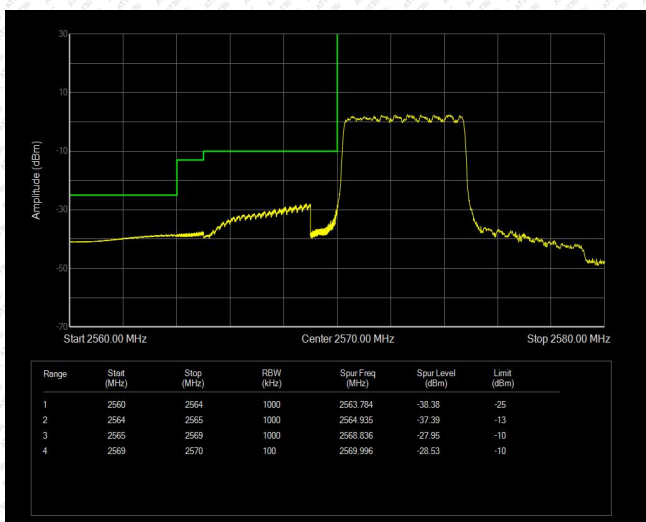


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

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

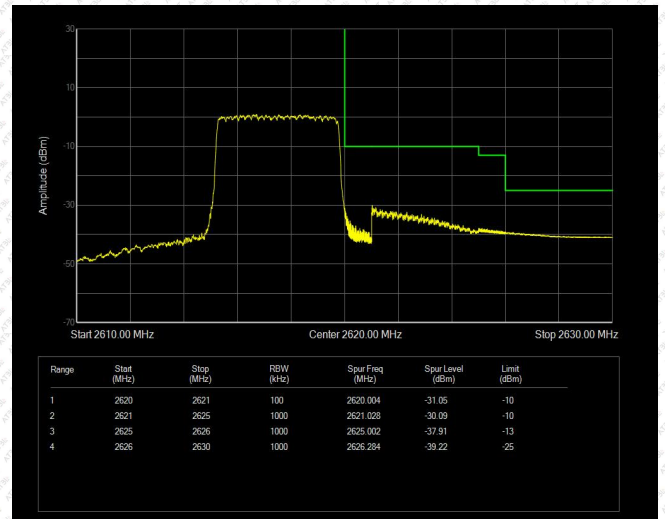
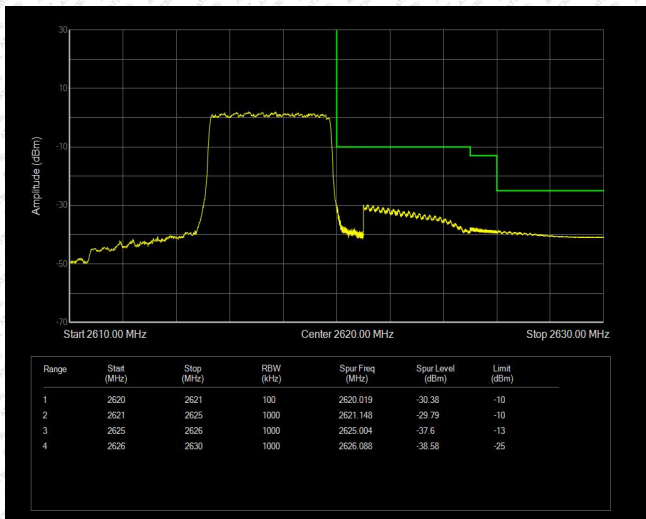
A5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QAM16	2563.79	-38.82	-25	PASS
Band38	5	38225	25	#0	QAM16	2626.28	-39.22	-25	PASS
Band38	5	37775	25	#0	QPSK	2563.78	-38.38	-25	PASS
Band38	5	38225	25	#0	QPSK	2626.09	-38.58	-25	PASS



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

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

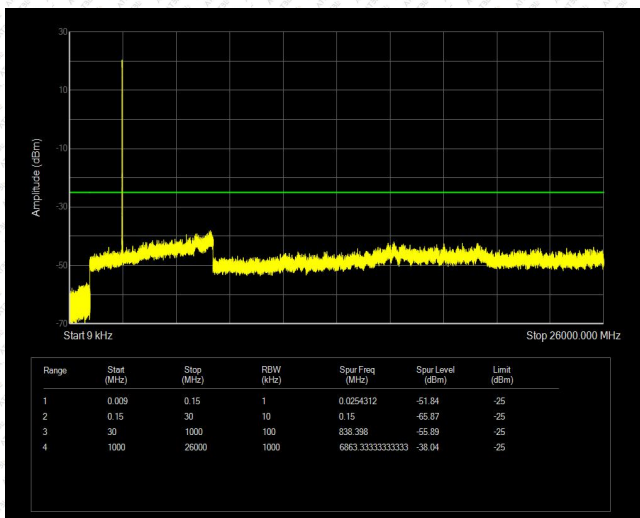


Band38 QPSK BW=5MHz Channel=38225 RB Size=25 Position=#0

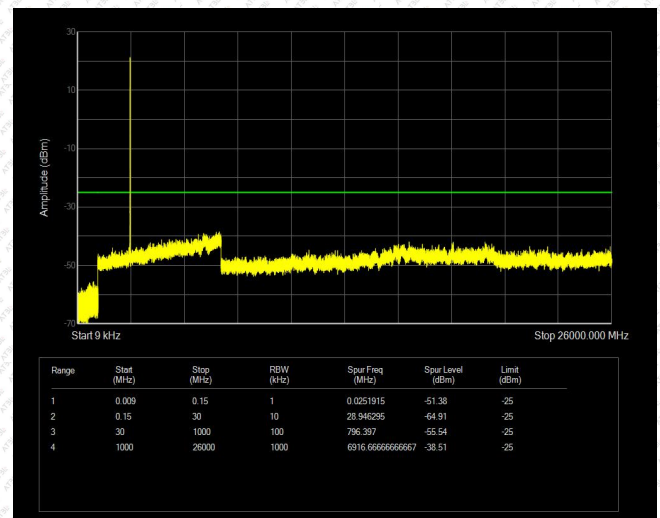
Band38 QAM16 BW=5MHz Channel=38225 RB Size=25 Position=#0

A6 Out-of-band emissions

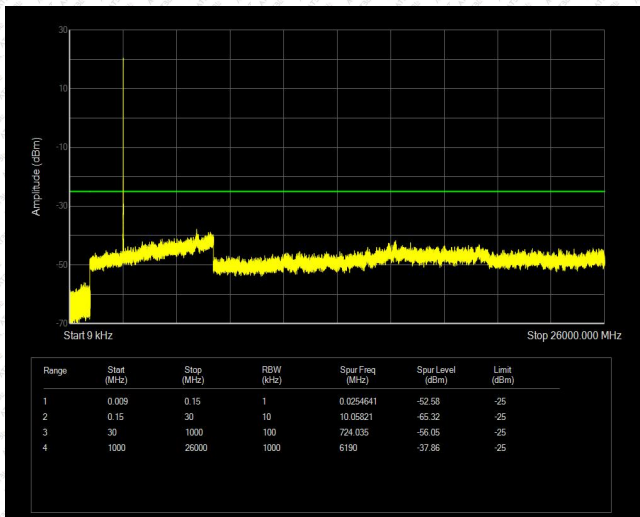
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band38	5	37775	25	#0	QAM16	6916.67	-38.51	-25	PASS
Band38	5	38225	25	#0	QAM16	6813.33	-38.38	-25	PASS
Band38	5	37775	25	#0	QPSK	6863.33	-38.04	-25	PASS
Band38	5	38225	25	#0	QPSK	6190.00	-37.86	-25	PASS



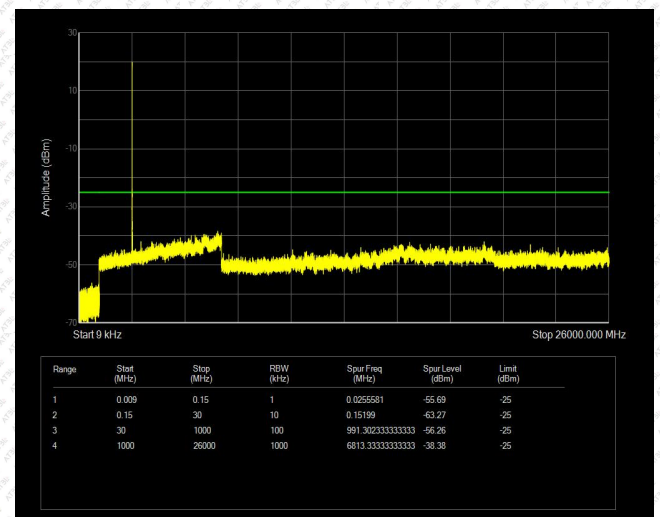
Band38 QPSK BW=5MHz Channel=37775 RB Size=25 Position=#0



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



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



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

*****END OF THE APPENDIX A LTE Band 38*****