

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
Band41	5	39675	1	#0	QAM16	21.54	-5.5	16.04	33	PASS
Band41	5	39675	1	#Mid	QAM16	21.71	-5.5	16.21	33	PASS
Band41	5	39675	1	#Max	QAM16	21.38	-5.5	15.88	33	PASS
Band41	5	39675	12	#0	QAM16	20.75	-5.5	15.25	33	PASS
Band41	5	39675	12	#Mid	QAM16	20.78	-5.5	15.28	33	PASS
Band41	5	39675	12	#Max	QAM16	20.72	-5.5	15.22	33	PASS
Band41	5	39675	25	#0	QAM16	20.70	-5.5	15.20	33	PASS
Band41	5	40620	1	#0	QAM16	21.83	-5.5	16.33	33	PASS
Band41	5	40620	1	#Mid	QAM16	21.82	-5.5	16.32	33	PASS
Band41	5	40620	1	#Max	QAM16	21.84	-5.5	16.34	33	PASS
Band41	5	40620	12	#0	QAM16	20.95	-5.5	15.45	33	PASS
Band41	5	40620	12	#Mid	QAM16	21.05	-5.5	15.55	33	PASS
Band41	5	40620	12	#Max	QAM16	21.07	-5.5	15.57	33	PASS
Band41	5	40620	25	#0	QAM16	20.96	-5.5	15.46	33	PASS
Band41	5	41565	1	#0	QAM16	22.33	-5.5	16.83	33	PASS
Band41	5	41565	1	#Mid	QAM16	22.51	-5.5	17.01	33	PASS
Band41	5	41565	1	#Max	QAM16	22.39	-5.5	16.89	33	PASS
Band41	5	41565	12	#0	QAM16	21.44	-5.5	15.94	33	PASS
Band41	5	41565	12	#Mid	QAM16	21.32	-5.5	15.82	33	PASS
Band41	5	41565	12	#Max	QAM16	21.56	-5.5	16.06	33	PASS
Band41	5	41565	25	#0	QAM16	21.51	-5.5	16.01	33	PASS
Band41	5	39675	1	#0	QPSK	22.59	-5.5	17.09	33	PASS
Band41	5	39675	1	#Mid	QPSK	22.75	-5.5	17.25	33	PASS
Band41	5	39675	1	#Max	QPSK	22.54	-5.5	17.04	33	PASS
Band41	5	39675	12	#0	QPSK	21.73	-5.5	16.23	33	PASS
Band41	5	39675	12	#Mid	QPSK	21.75	-5.5	16.25	33	PASS
Band41	5	39675	12	#Max	QPSK	22.08	-5.5	16.58	33	PASS
Band41	5	39675	25	#0	QPSK	21.94	-5.5	16.44	33	PASS
Band41	5	40620	1	#0	QPSK	22.87	-5.5	17.37	33	PASS
Band41	5	40620	1	#Mid	QPSK	23.27	-5.5	17.77	33	PASS
Band41	5	40620	1	#Max	QPSK	22.75	-5.5	17.25	33	PASS
Band41	5	40620	12	#0	QPSK	22.02	-5.5	16.52	33	PASS
Band41	5	40620	12	#Mid	QPSK	21.95	-5.5	16.45	33	PASS
Band41	5	40620	12	#Max	QPSK	21.98	-5.5	16.48	33	PASS
Band41	5	40620	25	#0	QPSK	22.09	-5.5	16.59	33	PASS
Band41	5	41565	1	#0	QPSK	23.41	-5.5	17.91	33	PASS
Band41	5	41565	1	#Mid	QPSK	24.03	-5.5	18.53	33	PASS
Band41	5	41565	1	#Max	QPSK	23.33	-5.5	17.83	33	PASS



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Band41	5	41565	12	#0	QPSK	22.58	-5.5	17.08	33	PASS
Band41	5	41565	12	#Mid	QPSK	22.53	-5.5	17.03	33	PASS
Band41	5	41565	12	#Max	QPSK	22.67	-5.5	17.17	33	PASS
Band41	5	41565	25	#0	QPSK	22.67	-5.5	17.17	33	PASS

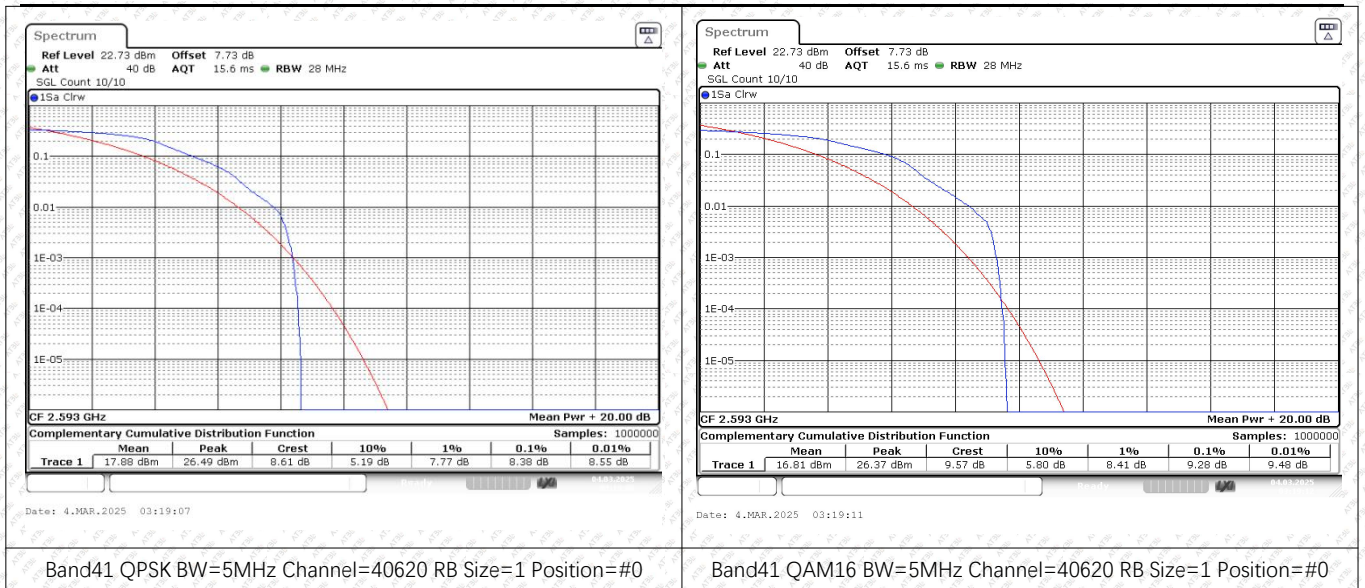
A2 Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band41	5	40620	25	#0	QPSK	VL	NT	0.97	0.000	PASS
Band41	5	40620	25	#0	QPSK	VN	NT	3.93	0.002	PASS
Band41	5	40620	25	#0	QPSK	VH	NT	2.25	0.001	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band41	5	40620	25	#0	QPSK	NV	-30	-0.4	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	-20	0.41	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	-10	-1.24	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	0	0.04	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	10	0.39	0.000	PASS
Band41	5	40620	25	#0	QPSK	NV	20	2.83	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	30	1.6	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	40	2.03	0.001	PASS
Band41	5	40620	25	#0	QPSK	NV	50	0.72	0.000	PASS

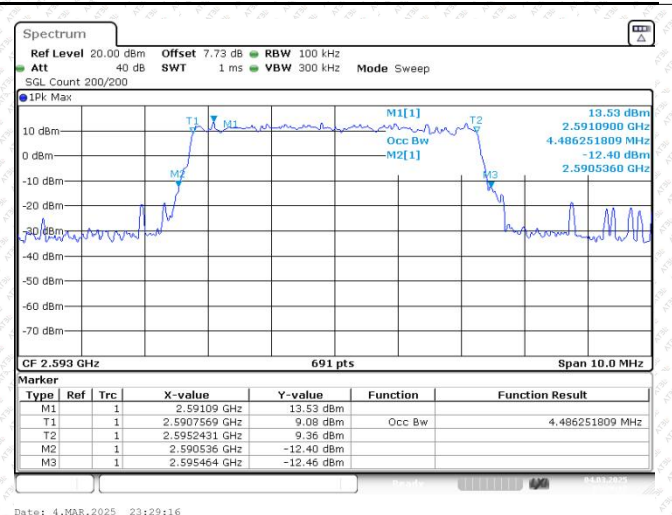
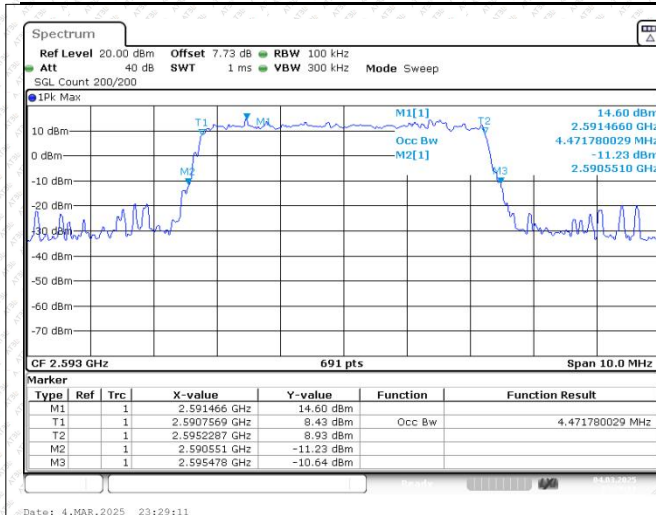
A3 Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band41	5	40620	1	#0	QAM16	9.28	13	PASS
Band41	5	40620	1	#0	QPSK	8.38	13	PASS



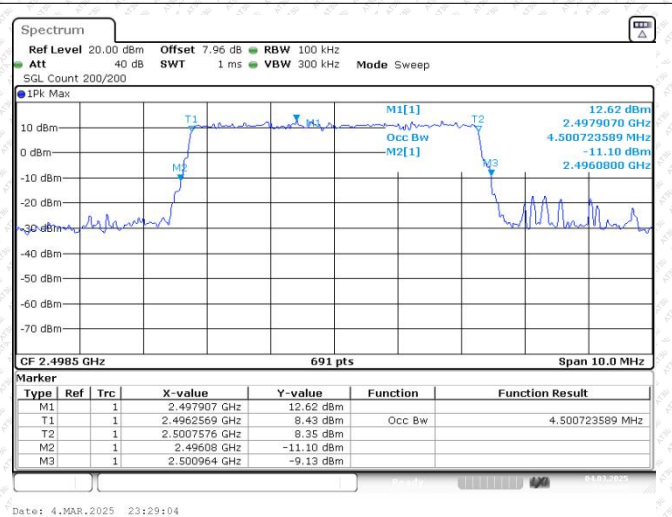
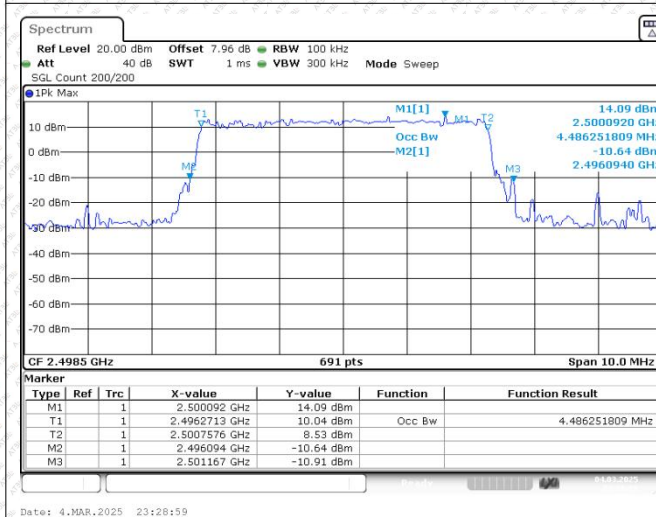
A4 Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band41	5	39675	25	#0	QAM16	4.501	4.884	PASS
Band41	5	40620	25	#0	QAM16	4.486	4.928	PASS
Band41	5	41565	25	#0	QAM16	4.472	4.870	PASS
Band41	5	39675	25	#0	QPSK	4.486	5.072	PASS
Band41	5	40620	25	#0	QPSK	4.472	4.928	PASS
Band41	5	41565	25	#0	QPSK	4.501	4.841	PASS



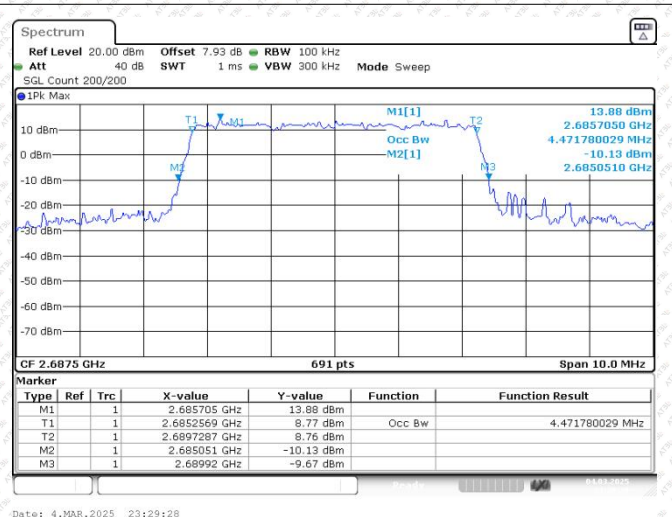
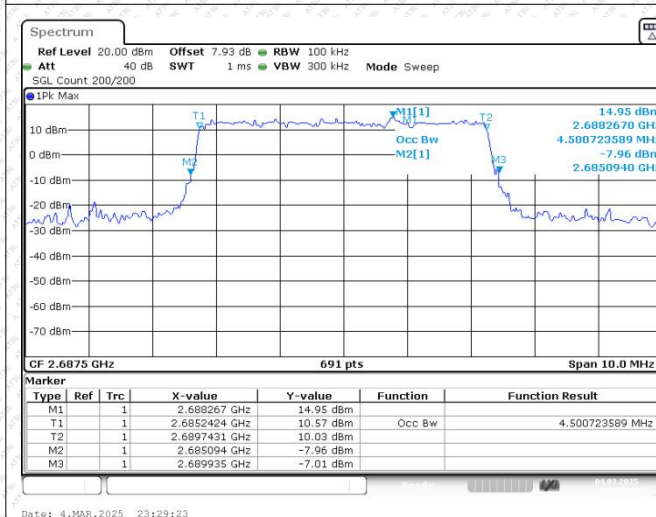
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Band41 QAM16 BW=5MHz Channel=40620 RB Size=25 Position=#0



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

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

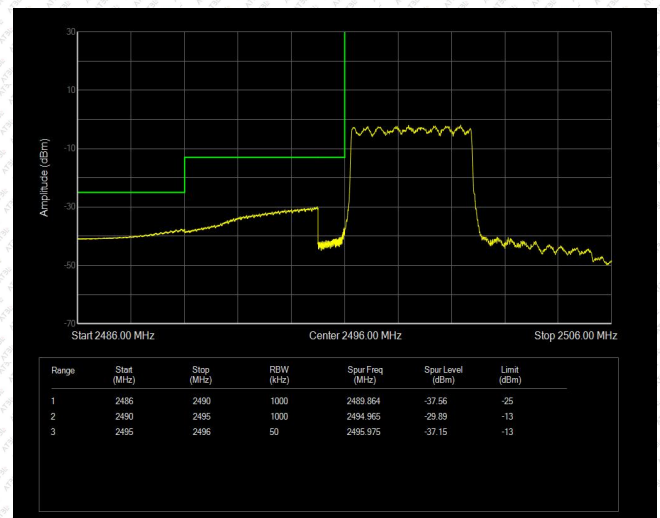
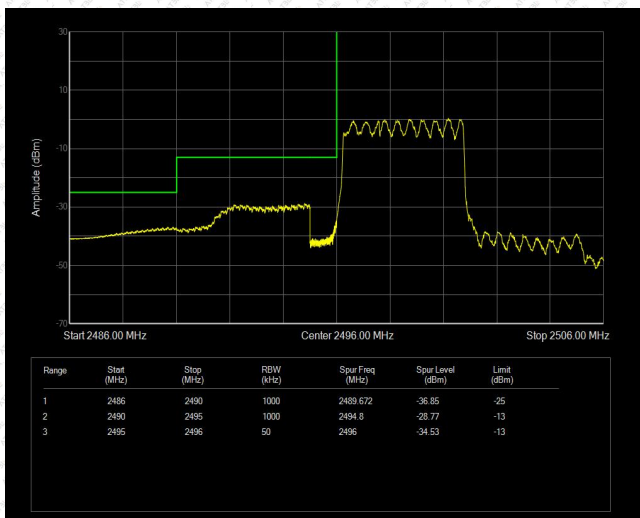


Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

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

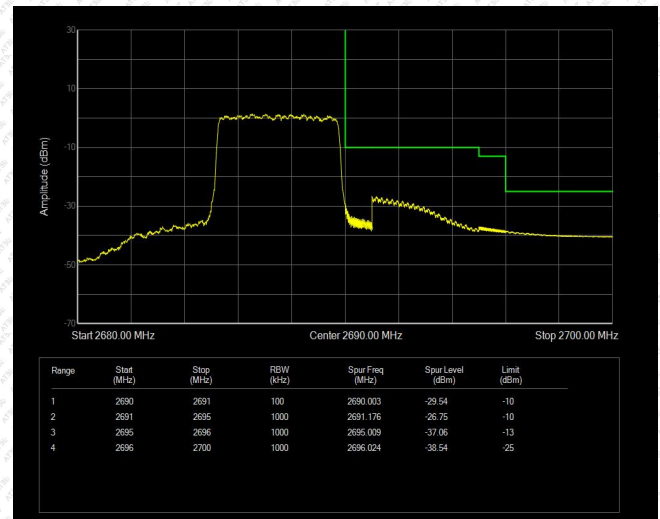
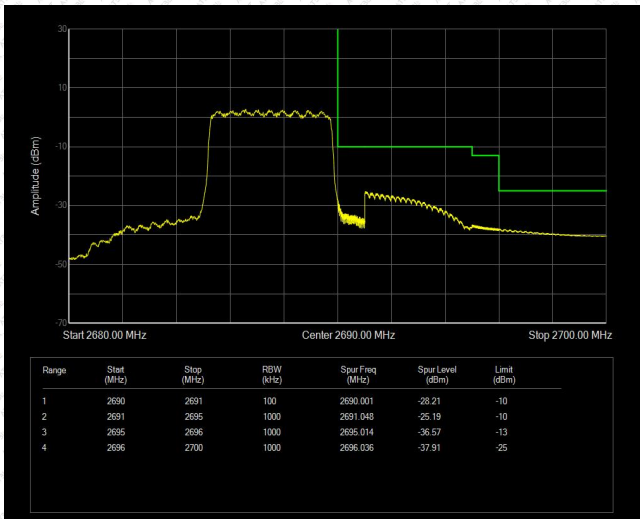
A5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QAM16	2489.86	-37.56	-25	PASS
Band41	5	41565	25	#0	QAM16	2696.02	-38.54	-25	PASS
Band41	5	39675	25	#0	QPSK	2489.67	-36.85	-25	PASS
Band41	5	41565	25	#0	QPSK	2696.04	-37.91	-25	PASS



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

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

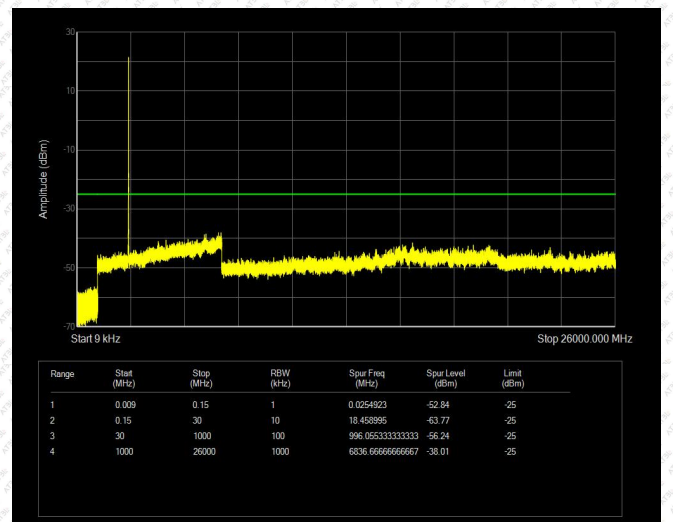
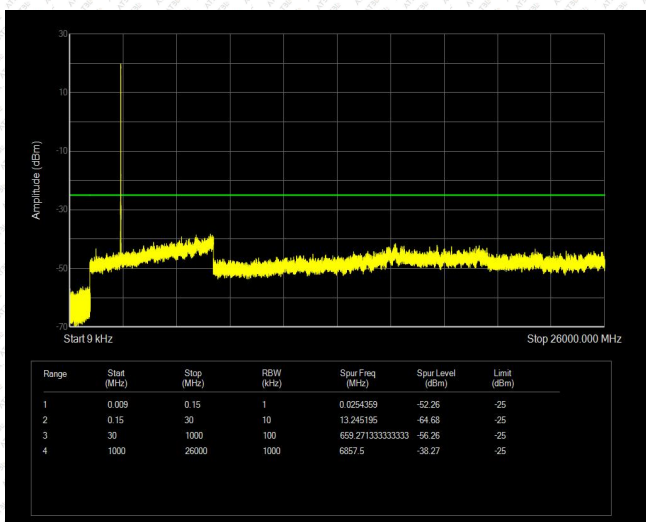


Band41 QPSK BW=5MHz Channel=41565 RB Size=25 Position=#0

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

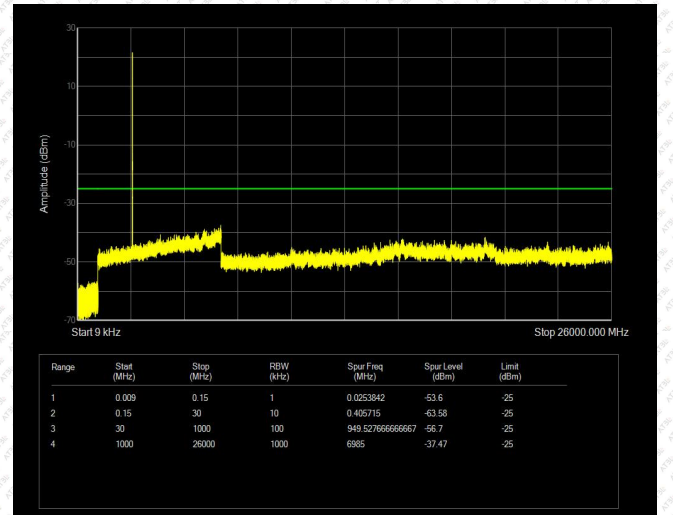
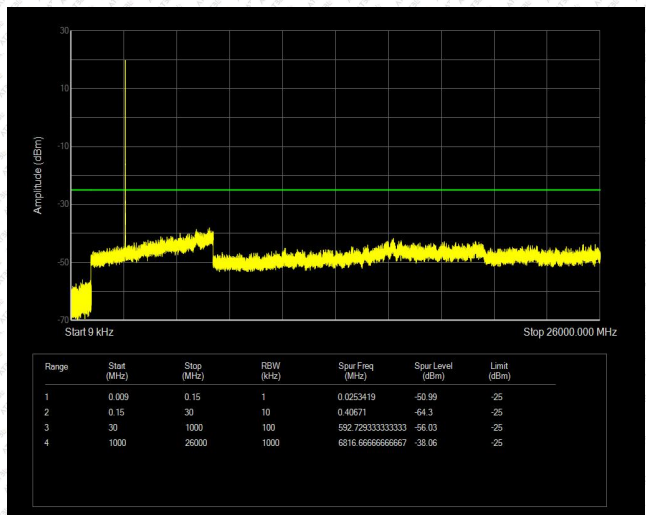
A6 Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band41	5	39675	25	#0	QAM16	6836.67	-38.01	-25	PASS
Band41	5	41565	25	#0	QAM16	6985.00	-37.47	-25	PASS
Band41	5	39675	25	#0	QPSK	6857.50	-38.27	-25	PASS
Band41	5	41565	25	#0	QPSK	6816.67	-38.06	-25	PASS



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

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



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

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

*****END OF THE APPENDIX A LTE Band 41*****