

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
Band2	1.4	18607	1	#0	QAM16	22.24	1	23.24	33	PASS
Band2	1.4	18607	1	#Mid	QAM16	22.45	1	23.45	33	PASS
Band2	1.4	18607	1	#Max	QAM16	22.21	1	23.21	33	PASS
Band2	1.4	18607	3	#0	QAM16	22.59	1	23.59	33	PASS
Band2	1.4	18607	3	#Mid	QAM16	22.72	1	23.72	33	PASS
Band2	1.4	18607	3	#Max	QAM16	22.83	1	23.83	33	PASS
Band2	1.4	18607	6	#0	QAM16	21.82	1	22.82	33	PASS
Band2	1.4	18900	1	#0	QAM16	22.73	1	23.73	33	PASS
Band2	1.4	18900	1	#Mid	QAM16	22.90	1	23.90	33	PASS
Band2	1.4	18900	1	#Max	QAM16	22.63	1	23.63	33	PASS
Band2	1.4	18900	3	#0	QAM16	22.48	1	23.48	33	PASS
Band2	1.4	18900	3	#Mid	QAM16	22.53	1	23.53	33	PASS
Band2	1.4	18900	3	#Max	QAM16	22.55	1	23.55	33	PASS
Band2	1.4	18900	6	#0	QAM16	21.47	1	22.47	33	PASS
Band2	1.4	19193	1	#0	QAM16	22.20	1	23.20	33	PASS
Band2	1.4	19193	1	#Mid	QAM16	22.31	1	23.31	33	PASS
Band2	1.4	19193	1	#Max	QAM16	22.02	1	23.02	33	PASS
Band2	1.4	19193	3	#0	QAM16	22.14	1	23.14	33	PASS
Band2	1.4	19193	3	#Mid	QAM16	22.07	1	23.07	33	PASS
Band2	1.4	19193	3	#Max	QAM16	22.04	1	23.04	33	PASS
Band2	1.4	19193	6	#0	QAM16	21.13	1	22.13	33	PASS
Band2	3	18615	1	#0	QAM16	22.83	1	23.83	33	PASS
Band2	3	18615	1	#Mid	QAM16	22.89	1	23.89	33	PASS
Band2	3	18615	1	#Max	QAM16	22.91	1	23.91	33	PASS
Band2	3	18615	8	#0	QAM16	21.08	1	22.08	33	PASS
Band2	3	18615	8	#Mid	QAM16	21.29	1	22.29	33	PASS
Band2	3	18615	8	#Max	QAM16	21.31	1	22.31	33	PASS
Band2	3	18615	15	#0	QAM16	21.19	1	22.19	33	PASS
Band2	3	18900	1	#0	QAM16	22.48	1	23.48	33	PASS
Band2	3	18900	1	#Mid	QAM16	22.55	1	23.55	33	PASS
Band2	3	18900	1	#Max	QAM16	22.49	1	23.49	33	PASS
Band2	3	18900	8	#0	QAM16	21.58	1	22.58	33	PASS
Band2	3	18900	8	#Mid	QAM16	21.59	1	22.59	33	PASS
Band2	3	18900	8	#Max	QAM16	21.79	1	22.79	33	PASS
Band2	3	18900	15	#0	QAM16	21.74	1	22.74	33	PASS
Band2	3	19185	1	#0	QAM16	22.03	1	23.03	33	PASS
Band2	3	19185	1	#Mid	QAM16	22.44	1	23.44	33	PASS
Band2	3	19185	1	#Max	QAM16	22.07	1	23.07	33	PASS
Band2	3	19185	8	#0	QAM16	21.23	1	22.23	33	PASS

Band2	3	19185	8	#Mid	QAM16	21.24	1	22.24	33	PASS
Band2	3	19185	8	#Max	QAM16	21.20	1	22.20	33	PASS
Band2	3	19185	15	#0	QAM16	21.25	1	22.25	33	PASS
Band2	5	18625	1	#0	QAM16	22.60	1	23.60	33	PASS
Band2	5	18625	1	#Mid	QAM16	22.55	1	23.55	33	PASS
Band2	5	18625	1	#Max	QAM16	22.76	1	23.76	33	PASS
Band2	5	18625	12	#0	QAM16	21.08	1	22.08	33	PASS
Band2	5	18625	12	#Mid	QAM16	21.20	1	22.20	33	PASS
Band2	5	18625	12	#Max	QAM16	21.33	1	22.33	33	PASS
Band2	5	18625	25	#0	QAM16	21.28	1	22.28	33	PASS
Band2	5	18900	1	#0	QAM16	22.49	1	23.49	33	PASS
Band2	5	18900	1	#Mid	QAM16	22.31	1	23.31	33	PASS
Band2	5	18900	1	#Max	QAM16	22.36	1	23.36	33	PASS
Band2	5	18900	12	#0	QAM16	21.35	1	22.35	33	PASS
Band2	5	18900	12	#Mid	QAM16	21.59	1	22.59	33	PASS
Band2	5	18900	12	#Max	QAM16	21.51	1	22.51	33	PASS
Band2	5	18900	25	#0	QAM16	21.69	1	22.69	33	PASS
Band2	5	19175	1	#0	QAM16	22.23	1	23.23	33	PASS
Band2	5	19175	1	#Mid	QAM16	22.32	1	23.32	33	PASS
Band2	5	19175	1	#Max	QAM16	22.23	1	23.23	33	PASS
Band2	5	19175	12	#0	QAM16	20.95	1	21.95	33	PASS
Band2	5	19175	12	#Mid	QAM16	21.15	1	22.15	33	PASS
Band2	5	19175	12	#Max	QAM16	21.15	1	22.15	33	PASS
Band2	5	19175	25	#0	QAM16	20.84	1	21.84	33	PASS
Band2	1.4	18607	1	#0	QPSK	23.33	1	24.33	33	PASS
Band2	1.4	18607	1	#Mid	QPSK	23.69	1	24.69	33	PASS
Band2	1.4	18607	1	#Max	QPSK	23.62	1	24.62	33	PASS
Band2	1.4	18607	3	#0	QPSK	23.40	1	24.40	33	PASS
Band2	1.4	18607	3	#Mid	QPSK	23.46	1	24.46	33	PASS
Band2	1.4	18607	3	#Max	QPSK	23.41	1	24.41	33	PASS
Band2	1.4	18607	6	#0	QPSK	22.39	1	23.39	33	PASS
Band2	1.4	18900	1	#0	QPSK	23.71	1	24.71	33	PASS
Band2	1.4	18900	1	#Mid	QPSK	23.72	1	24.72	33	PASS
Band2	1.4	18900	1	#Max	QPSK	23.61	1	24.61	33	PASS
Band2	1.4	18900	3	#0	QPSK	23.76	1	24.76	33	PASS
Band2	1.4	18900	3	#Mid	QPSK	23.75	1	24.75	33	PASS
Band2	1.4	18900	3	#Max	QPSK	23.78	1	24.78	33	PASS
Band2	1.4	18900	6	#0	QPSK	22.76	1	23.76	33	PASS
Band2	1.4	19193	1	#0	QPSK	22.92	1	23.92	33	PASS
Band2	1.4	19193	1	#Mid	QPSK	23.07	1	24.07	33	PASS
Band2	1.4	19193	1	#Max	QPSK	22.79	1	23.79	33	PASS
Band2	1.4	19193	3	#0	QPSK	23.10	1	24.10	33	PASS
Band2	1.4	19193	3	#Mid	QPSK	23.18	1	24.18	33	PASS
Band2	1.4	19193	3	#Max	QPSK	23.05	1	24.05	33	PASS
Band2	1.4	19193	6	#0	QPSK	22.08	1	23.08	33	PASS

Band2	3	18615	1	#0	QPSK	23.43	1	24.43	33	PASS
Band2	3	18615	1	#Mid	QPSK	23.67	1	24.67	33	PASS
Band2	3	18615	1	#Max	QPSK	23.55	1	24.55	33	PASS
Band2	3	18615	8	#0	QPSK	22.18	1	23.18	33	PASS
Band2	3	18615	8	#Mid	QPSK	22.34	1	23.34	33	PASS
Band2	3	18615	8	#Max	QPSK	22.31	1	23.31	33	PASS
Band2	3	18615	15	#0	QPSK	22.26	1	23.26	33	PASS
Band2	3	18900	1	#0	QPSK	23.40	1	24.40	33	PASS
Band2	3	18900	1	#Mid	QPSK	23.72	1	24.72	33	PASS
Band2	3	18900	1	#Max	QPSK	23.94	1	24.94	33	PASS
Band2	3	18900	8	#0	QPSK	22.74	1	23.74	33	PASS
Band2	3	18900	8	#Mid	QPSK	22.74	1	23.74	33	PASS
Band2	3	18900	8	#Max	QPSK	22.85	1	23.85	33	PASS
Band2	3	18900	15	#0	QPSK	22.74	1	23.74	33	PASS
Band2	3	19185	1	#0	QPSK	23.04	1	24.04	33	PASS
Band2	3	19185	1	#Mid	QPSK	23.31	1	24.31	33	PASS
Band2	3	19185	1	#Max	QPSK	23.12	1	24.12	33	PASS
Band2	3	19185	8	#0	QPSK	22.17	1	23.17	33	PASS
Band2	3	19185	8	#Mid	QPSK	22.16	1	23.16	33	PASS
Band2	3	19185	8	#Max	QPSK	22.10	1	23.10	33	PASS
Band2	3	19185	15	#0	QPSK	22.10	1	23.10	33	PASS
Band2	5	18625	1	#0	QPSK	23.26	1	24.26	33	PASS
Band2	5	18625	1	#Mid	QPSK	23.84	1	24.84	33	PASS
Band2	5	18625	1	#Max	QPSK	23.29	1	24.29	33	PASS
Band2	5	18625	12	#0	QPSK	22.30	1	23.30	33	PASS
Band2	5	18625	12	#Mid	QPSK	22.40	1	23.40	33	PASS
Band2	5	18625	12	#Max	QPSK	22.33	1	23.33	33	PASS
Band2	5	18625	25	#0	QPSK	22.24	1	23.24	33	PASS
Band2	5	18900	1	#0	QPSK	23.32	1	24.32	33	PASS
Band2	5	18900	1	#Mid	QPSK	23.68	1	24.68	33	PASS
Band2	5	18900	1	#Max	QPSK	23.53	1	24.53	33	PASS
Band2	5	18900	12	#0	QPSK	22.65	1	23.65	33	PASS
Band2	5	18900	12	#Mid	QPSK	22.80	1	23.80	33	PASS
Band2	5	18900	12	#Max	QPSK	22.82	1	23.82	33	PASS
Band2	5	18900	25	#0	QPSK	22.65	1	23.65	33	PASS
Band2	5	19175	1	#0	QPSK	22.90	1	23.90	33	PASS
Band2	5	19175	1	#Mid	QPSK	23.52	1	24.52	33	PASS
Band2	5	19175	1	#Max	QPSK	23.13	1	24.13	33	PASS
Band2	5	19175	12	#0	QPSK	22.13	1	23.13	33	PASS
Band2	5	19175	12	#Mid	QPSK	22.12	1	23.12	33	PASS
Band2	5	19175	12	#Max	QPSK	22.14	1	23.14	33	PASS
Band2	5	19175	25	#0	QPSK	22.02	1	23.02	33	PASS

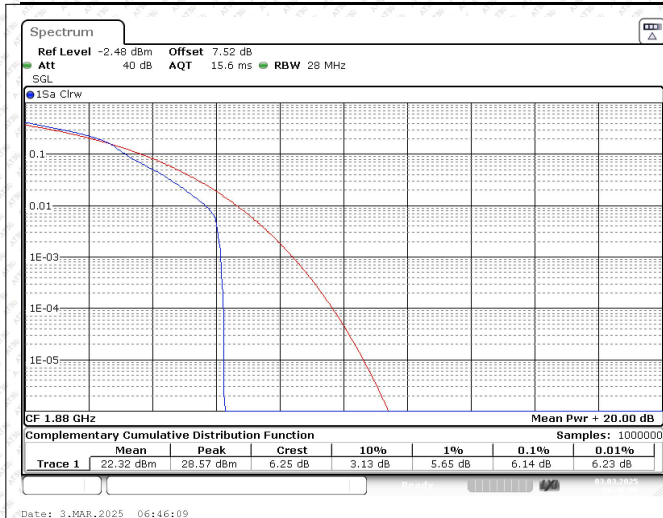
A2 Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band2	5	18900	25	#0	QPSK	VL	NT	-1.39	-0.001	PASS
Band2	5	18900	25	#0	QPSK	VN	NT	-4.03	-0.002	PASS
Band2	5	18900	25	#0	QPSK	VH	NT	1.56	0.001	PASS

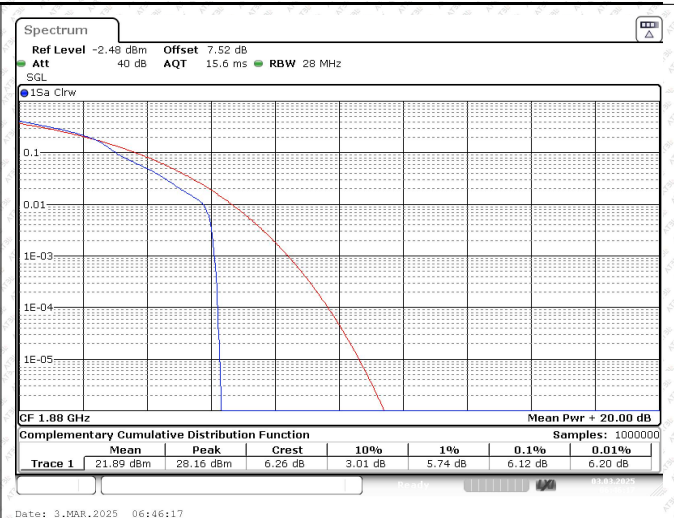
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band2	5	18900	25	#0	QPSK	NV	-30	-3.91	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	-20	-4.76	-0.003	PASS
Band2	5	18900	25	#0	QPSK	NV	-10	-4.65	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	0	-2.25	-0.001	PASS
Band2	5	18900	25	#0	QPSK	NV	10	-4.89	-0.003	PASS
Band2	5	18900	25	#0	QPSK	NV	20	-4.91	-0.003	PASS
Band2	5	18900	25	#0	QPSK	NV	30	-4.49	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	40	-4.39	-0.002	PASS
Band2	5	18900	25	#0	QPSK	NV	50	-1.23	-0.001	PASS

A3 Peak-to-Average Ratio

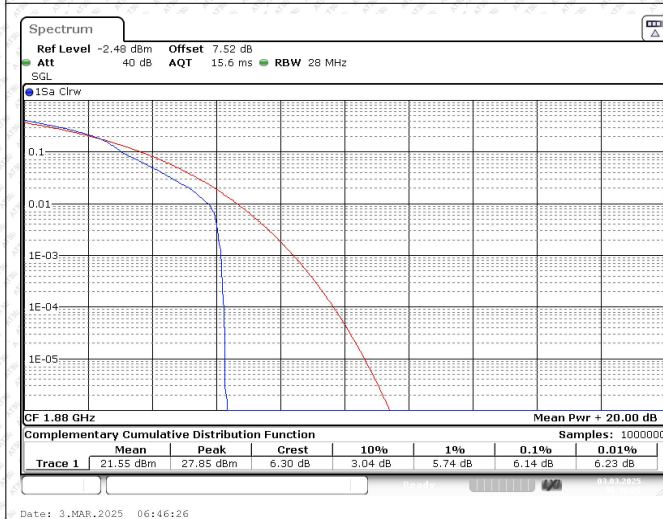
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band2	1.4	18900	1	#0	QAM16	6.14	13	PASS
Band2	3	18900	1	#0	QAM16	6.12	13	PASS
Band2	5	18900	1	#0	QAM16	6.14	13	PASS
Band2	1.4	18900	1	#0	QPSK	5.25	13	PASS
Band2	3	18900	1	#0	QPSK	5.30	13	PASS
Band2	5	18900	1	#0	QPSK	5.25	13	PASS



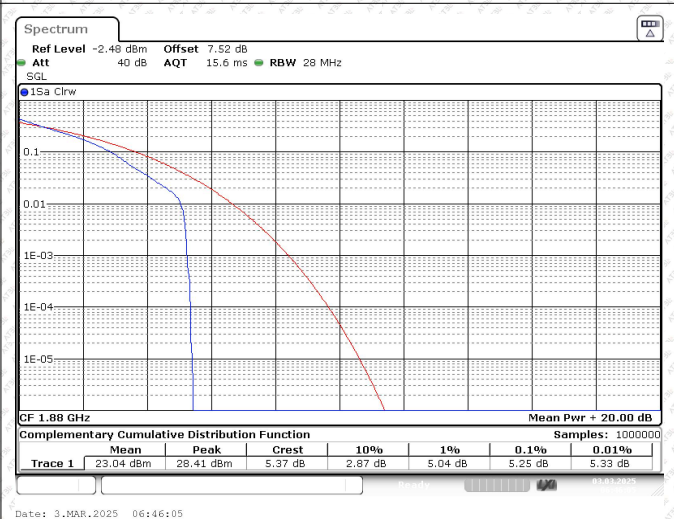
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=1 Position=#0



Band2 QAM16 BW=3MHz Channel=18900 RB Size=1 Position=#0



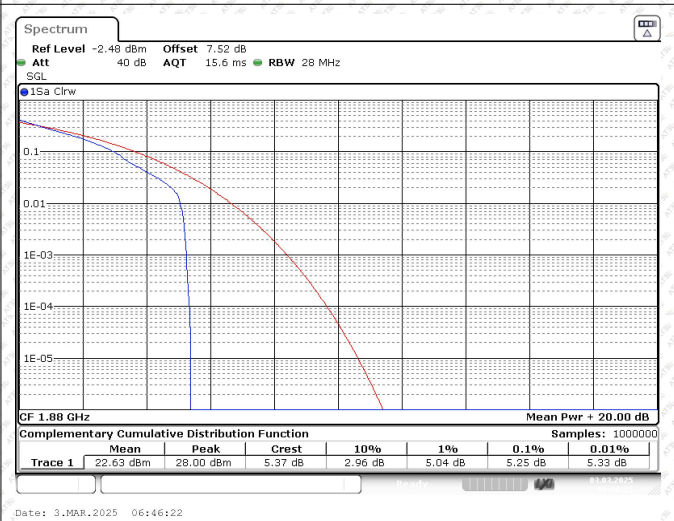
Band2 QAM16 BW=5MHz Channel=18900 RB Size=1 Position=#0



Band2 QPSK BW=1.4MHz Channel=18900 RB Size=1 Position=#0



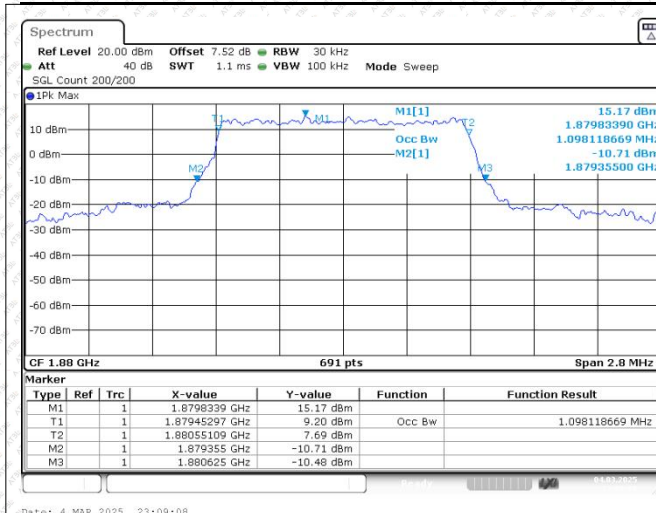
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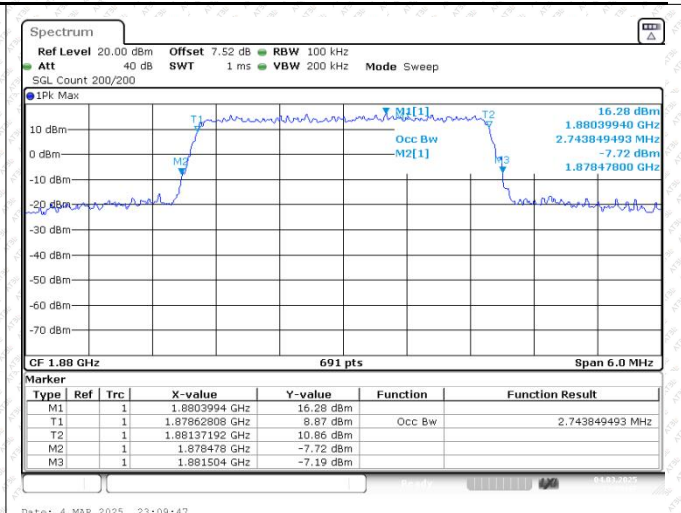
Band2 QPSK BW=5MHz Channel=18900 RB Size=1 Position=#0

A4 Occupied bandwidth

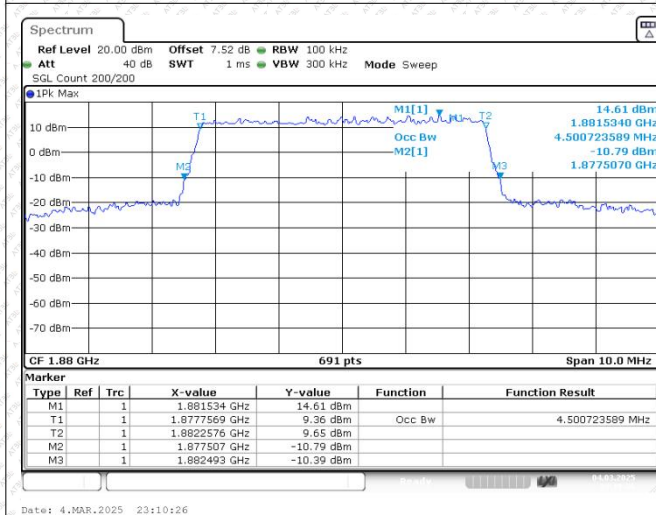
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band2	1.4	18607	6	#0	QAM16	1.098	1.286	PASS
Band2	1.4	18900	6	#0	QAM16	1.098	1.270	PASS
Band2	1.4	19193	6	#0	QAM16	1.098	1.278	PASS
Band2	3	18615	15	#0	QAM16	2.744	3.017	PASS
Band2	3	18900	15	#0	QAM16	2.744	3.026	PASS
Band2	3	19185	15	#0	QAM16	2.726	3.035	PASS
Band2	5	18625	25	#0	QAM16	4.486	4.884	PASS
Band2	5	18900	25	#0	QAM16	4.501	4.986	PASS
Band2	5	19175	25	#0	QAM16	4.501	4.971	PASS
Band2	1.4	18607	6	#0	QPSK	1.086	1.299	PASS
Band2	1.4	18900	6	#0	QPSK	1.094	1.299	PASS
Band2	1.4	19193	6	#0	QPSK	1.102	1.266	PASS
Band2	3	18615	15	#0	QPSK	2.744	3.026	PASS
Band2	3	18900	15	#0	QPSK	2.735	3.061	PASS
Band2	3	19185	15	#0	QPSK	2.744	3.052	PASS
Band2	5	18625	25	#0	QPSK	4.530	4.957	PASS
Band2	5	18900	25	#0	QPSK	4.515	4.942	PASS
Band2	5	19175	25	#0	QPSK	4.501	4.942	PASS



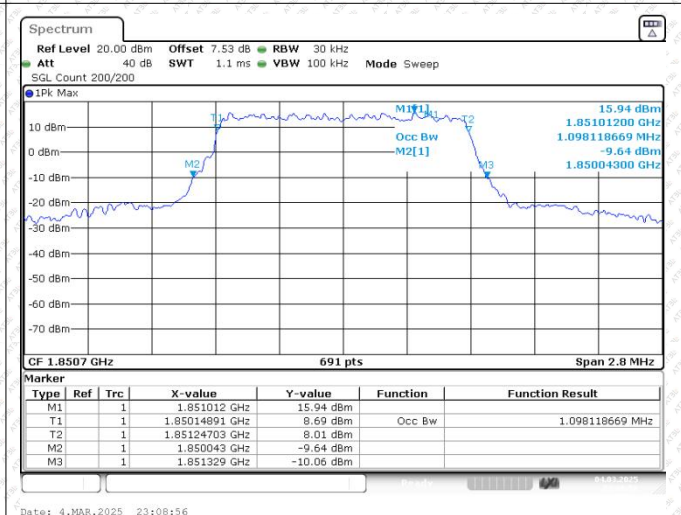
Band2 QAM16 BW=1.4MHz Channel=18900 RB Size=6 Position=#0



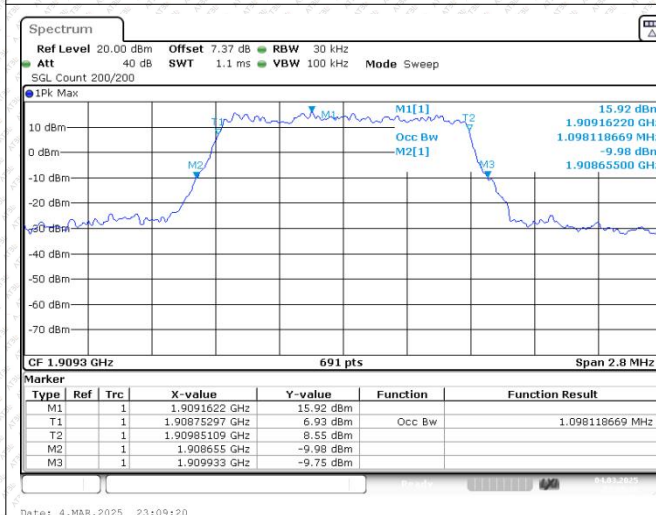
Band2 QAM16 BW=3MHz Channel=18900 RB Size=15 Position=#0



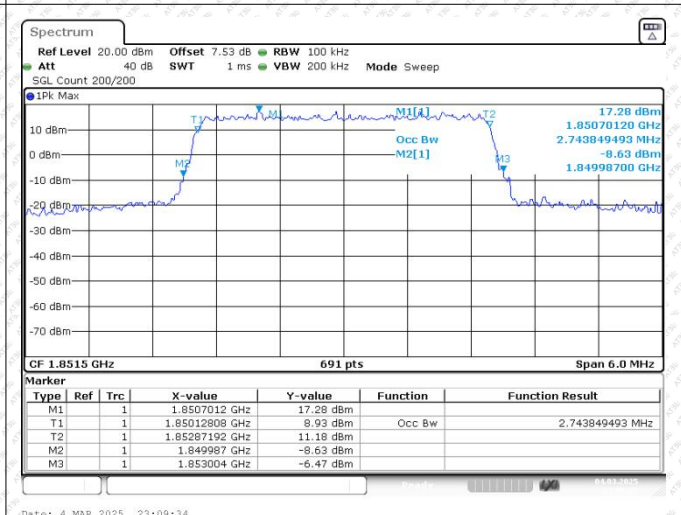
Band2 QAM16 BW=5MHz Channel=18900 RB Size=25 Position=#0



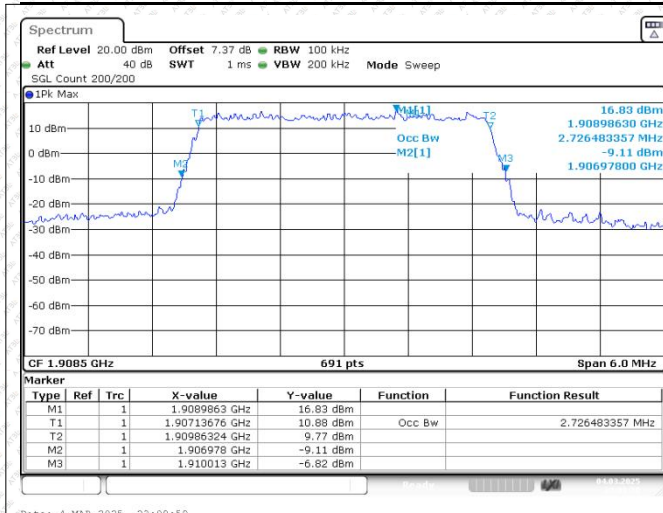
Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0



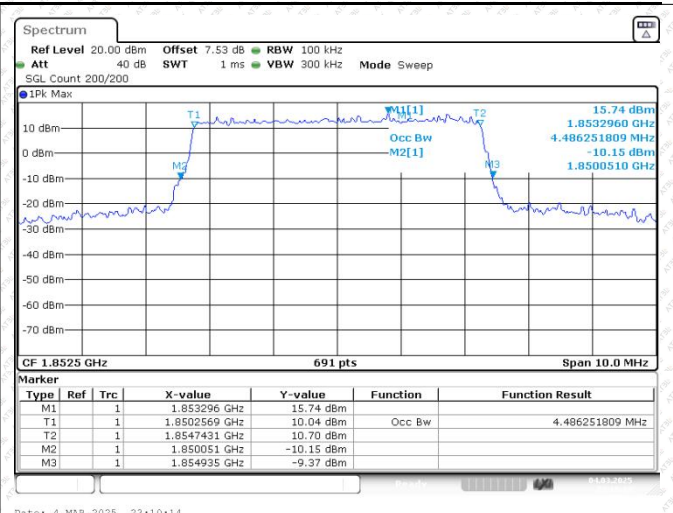
Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0



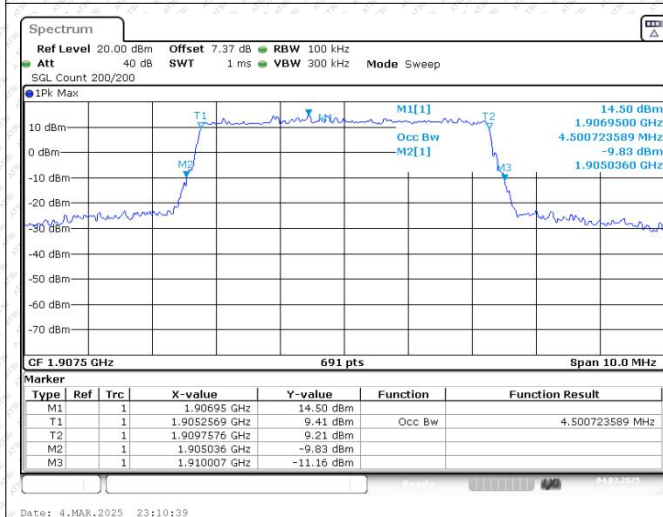
Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0



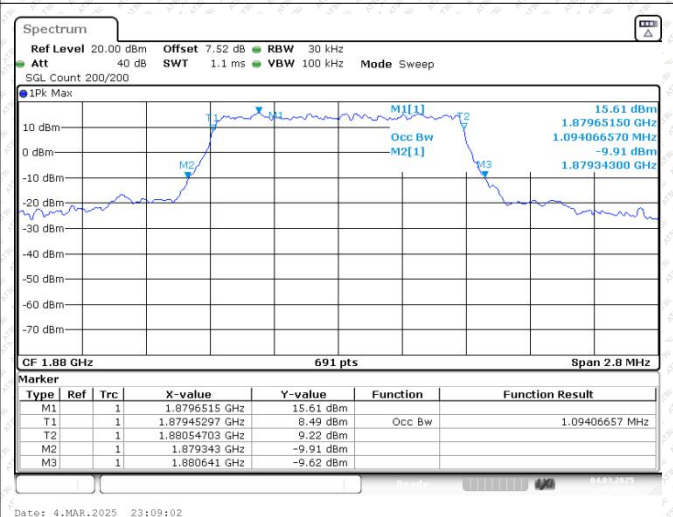
Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0



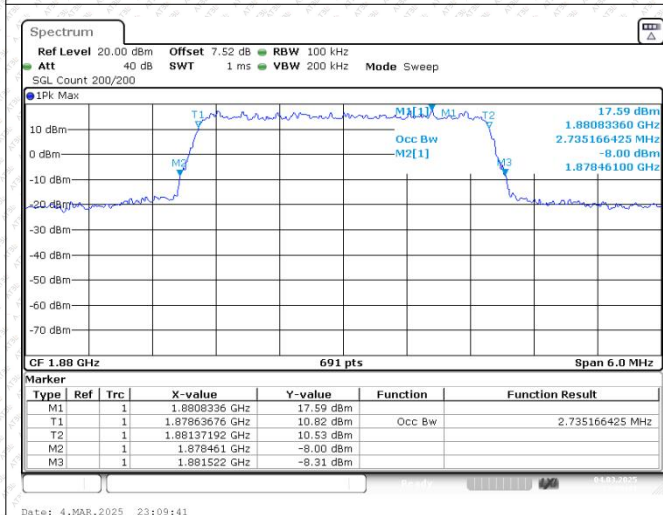
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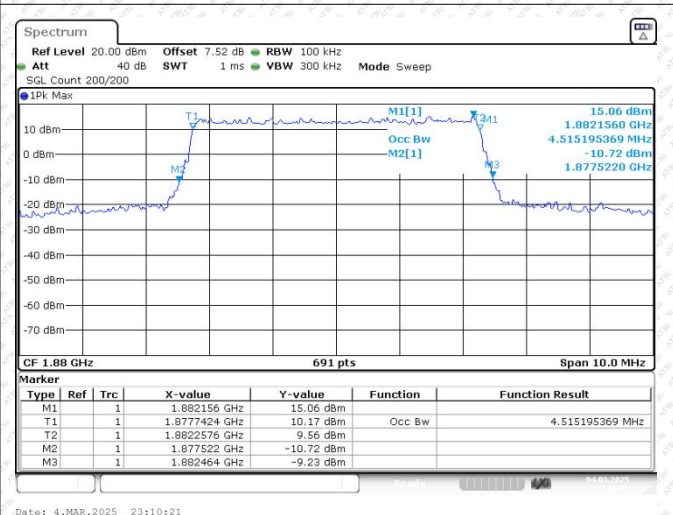
Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0



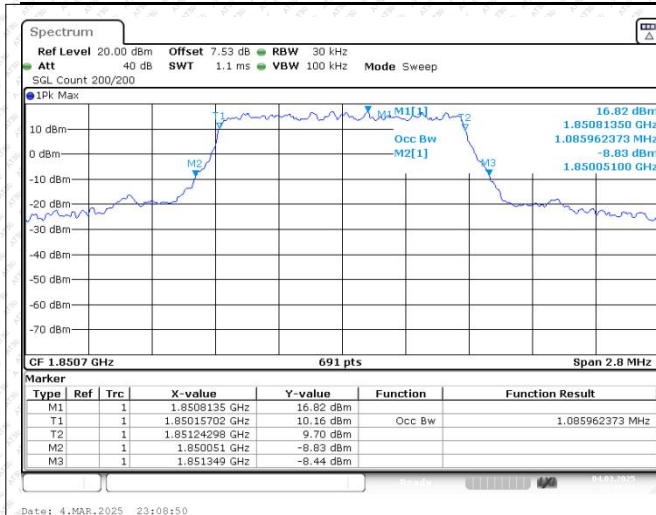
Band2 QPSK BW=1.4MHz Channel=18900 RB Size=6 Position=#0



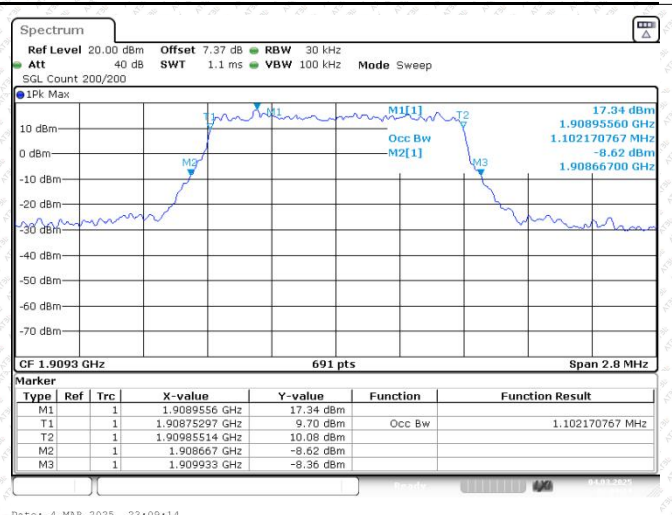
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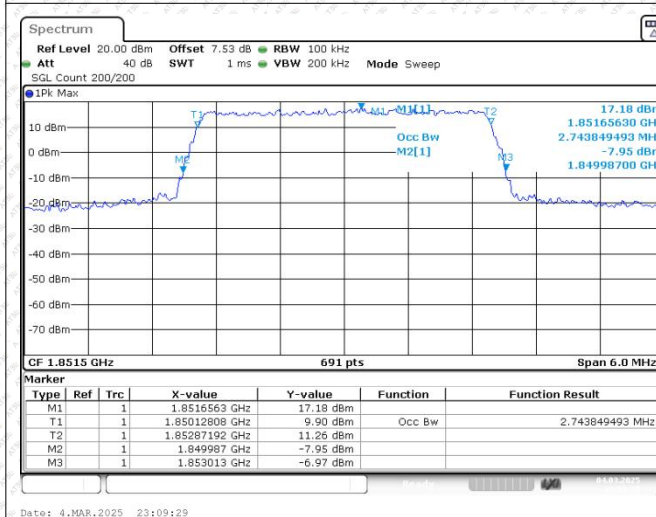
Band2 QPSK BW=5MHz Channel=18900 RB Size=25 Position=#0



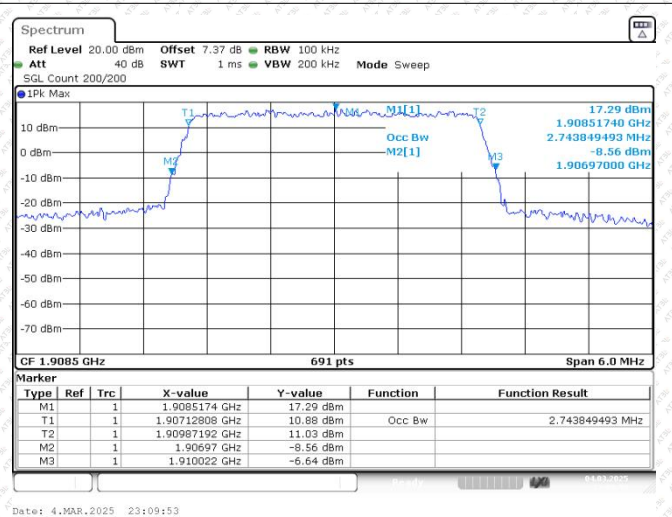
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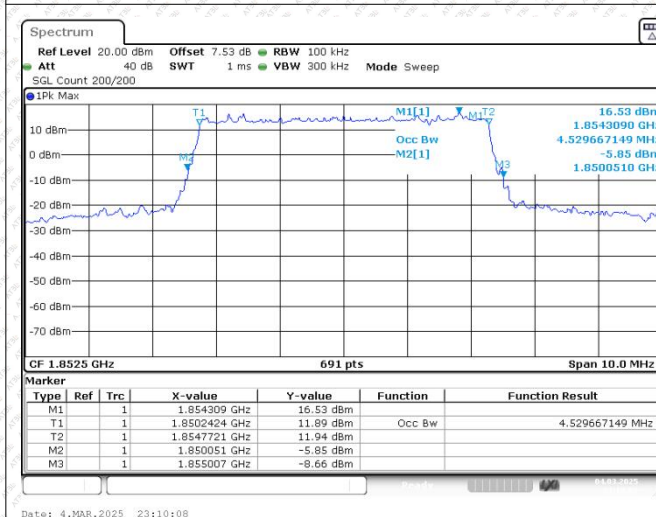
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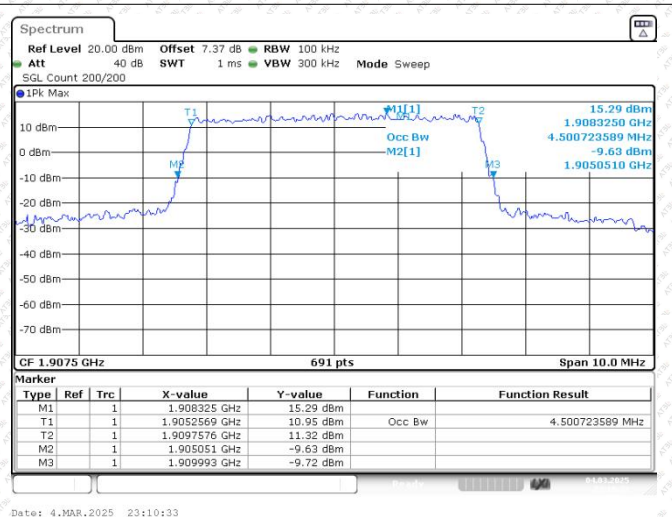
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



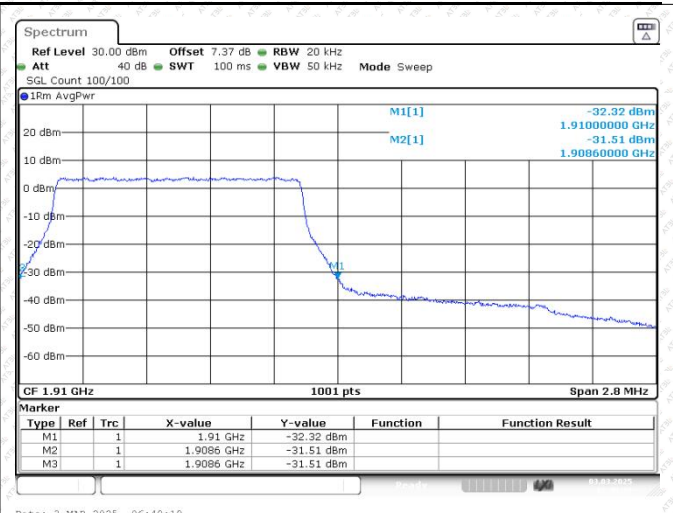
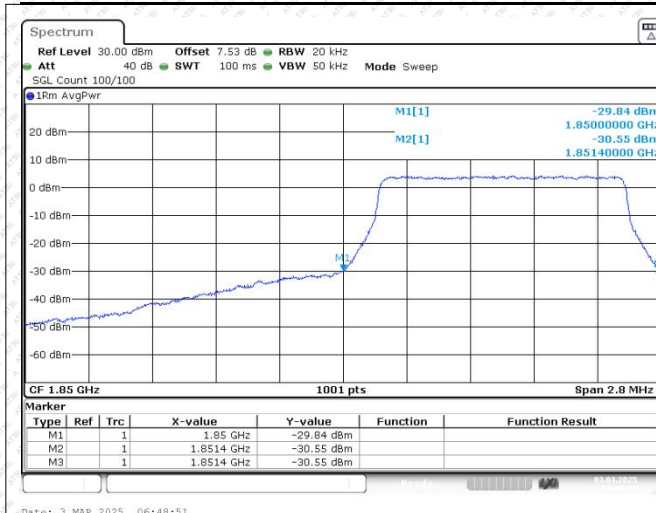
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Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

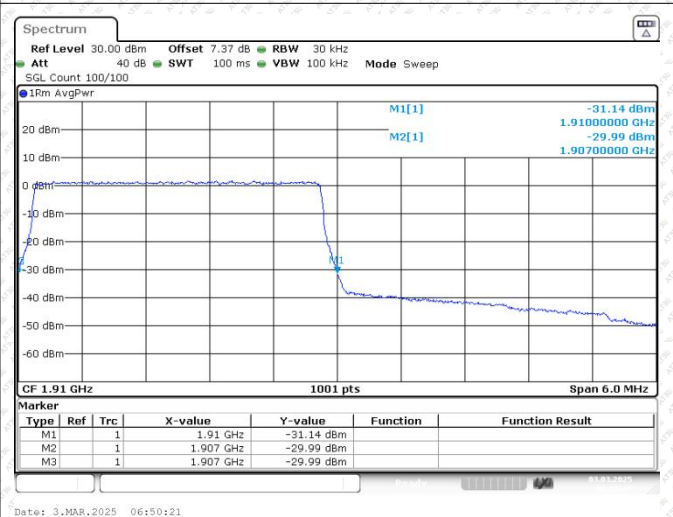
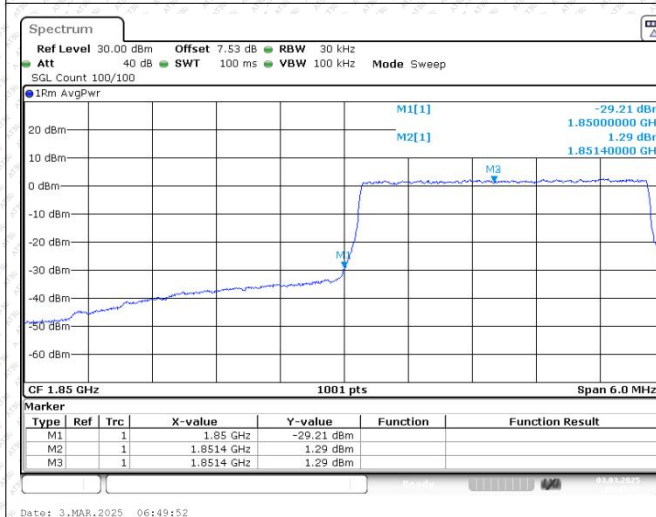
A5 Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QAM16	1850.00	-29.84	-13	PASS
Band2	1.4	19193	6	#0	QAM16	1910.00	-32.32	-13	PASS
Band2	3	18615	15	#0	QAM16	1850.00	-29.21	-13	PASS
Band2	3	19185	15	#0	QAM16	1910.00	-31.14	-13	PASS
Band2	5	18625	25	#0	QAM16	1850.00	-30.05	-13	PASS
Band2	5	19175	25	#0	QAM16	1910.00	-31.26	-13	PASS
Band2	1.4	18607	6	#0	QPSK	1850.00	-28.90	-13	PASS
Band2	1.4	19193	6	#0	QPSK	1910.00	-31.03	-13	PASS
Band2	3	18615	15	#0	QPSK	1850.00	-27.83	-13	PASS
Band2	3	19185	15	#0	QPSK	1910.00	-30.54	-13	PASS
Band2	5	18625	25	#0	QPSK	1850.00	-29.15	-13	PASS
Band2	5	19175	25	#0	QPSK	1910.00	-30.00	-13	PASS



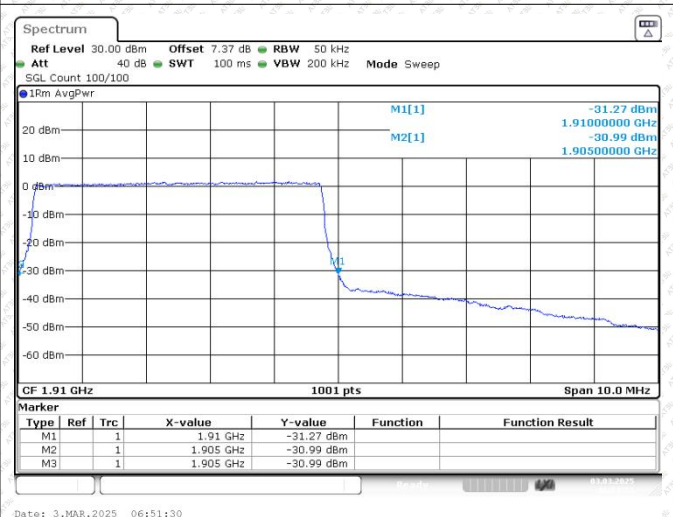
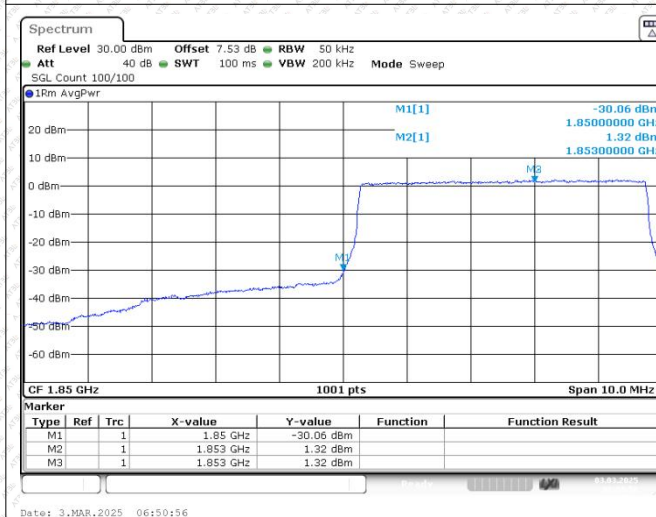
Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0

Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0



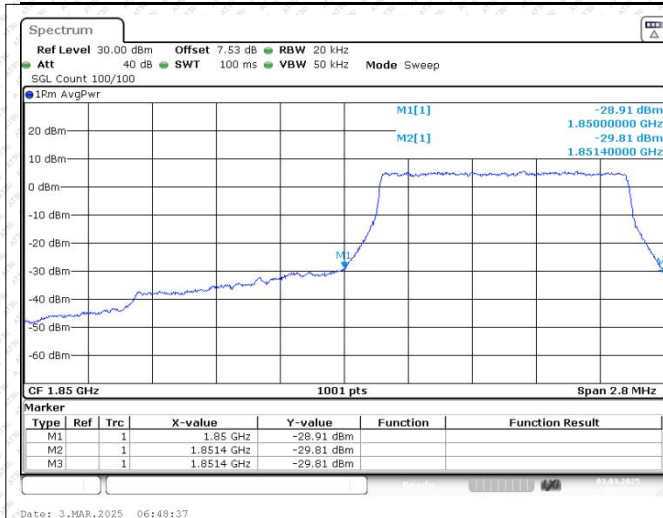
Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0

Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0

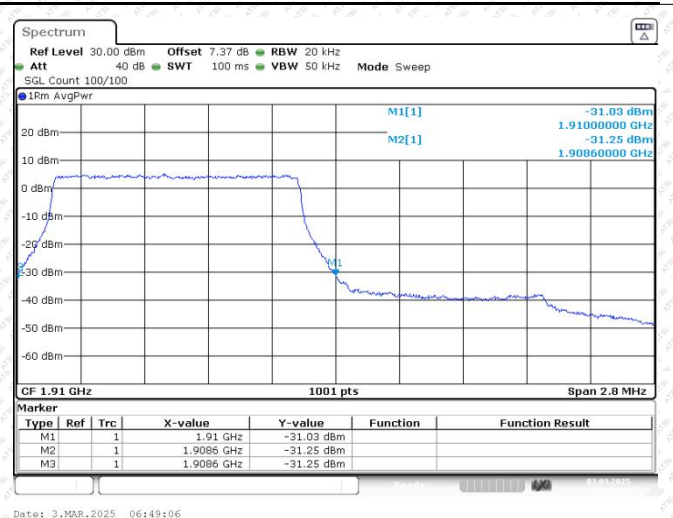


Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0

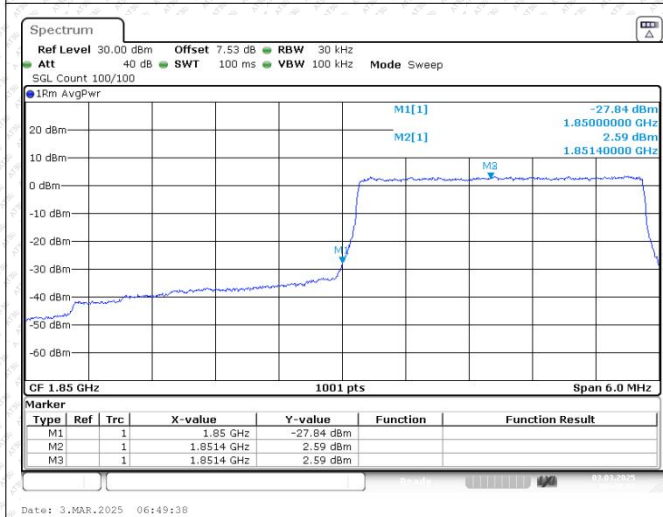
Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0



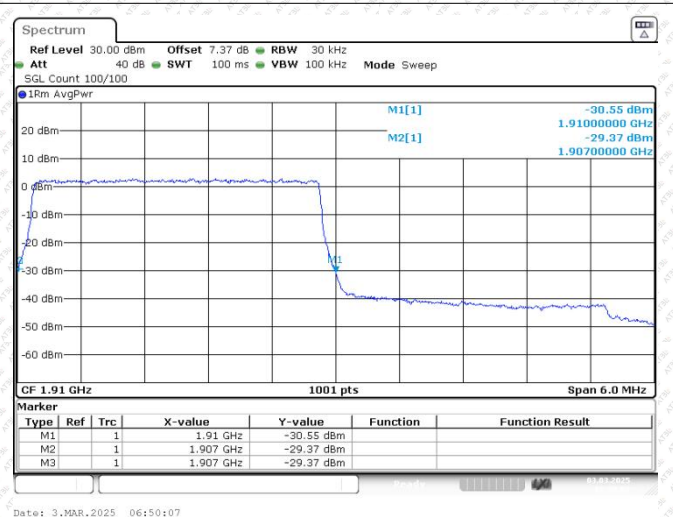
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



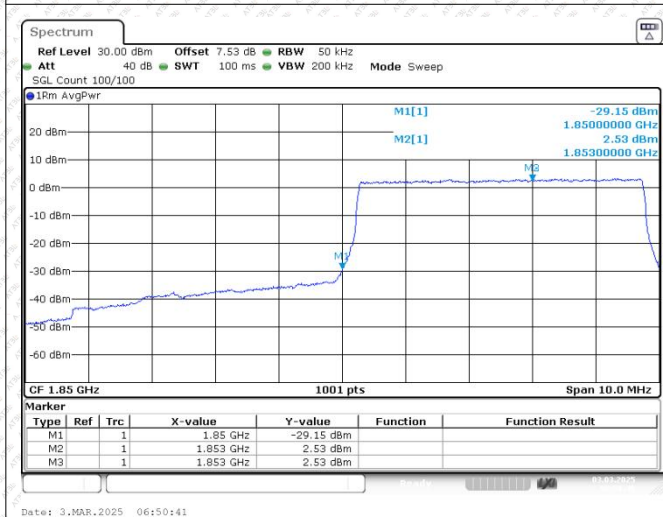
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



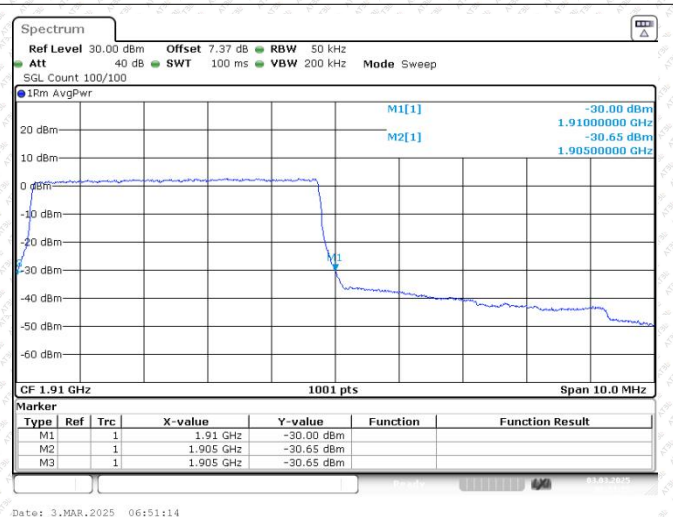
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



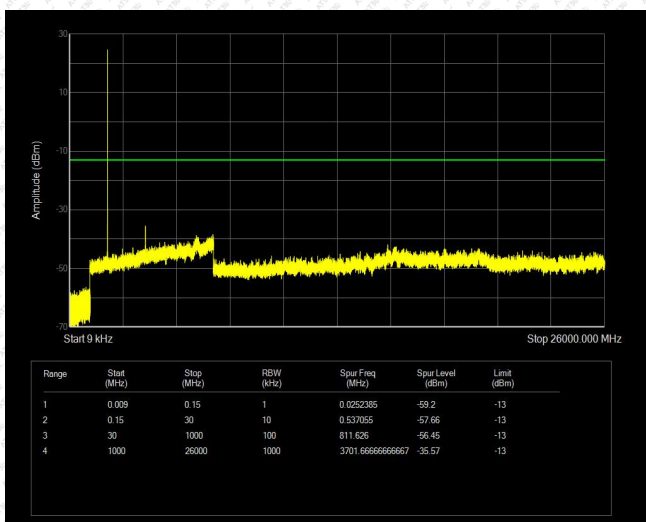
Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



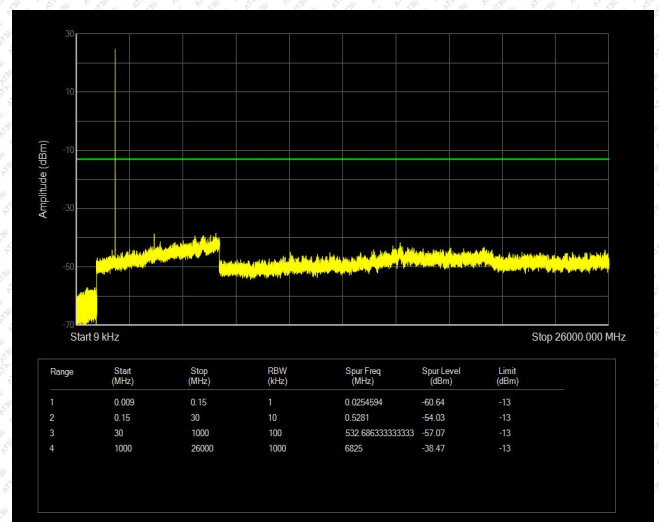
Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

A6 Out-of-band emissions

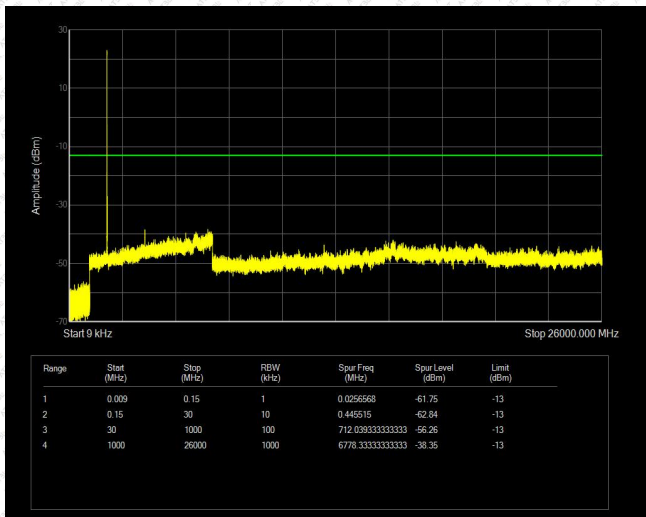
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band2	1.4	18607	6	#0	QAM16	3701.67	-35.57	-13	PASS
Band2	1.4	19193	6	#0	QAM16	6825.00	-38.47	-13	PASS
Band2	3	18615	15	#0	QAM16	6778.33	-38.35	-13	PASS
Band2	3	19185	15	#0	QAM16	6495.00	-39.31	-13	PASS
Band2	5	18625	25	#0	QAM16	3703.33	-38.70	-13	PASS
Band2	5	19175	25	#0	QAM16	6880.83	-39.50	-13	PASS
Band2	1.4	18607	6	#0	QPSK	3701.67	-33.49	-13	PASS
Band2	1.4	19193	6	#0	QPSK	3818.33	-36.18	-13	PASS
Band2	3	18615	15	#0	QPSK	3701.67	-37.85	-13	PASS
Band2	3	19185	15	#0	QPSK	6860.00	-39.20	-13	PASS
Band2	5	18625	25	#0	QPSK	6218.33	-38.91	-13	PASS
Band2	5	19175	25	#0	QPSK	6196.67	-39.01	-13	PASS



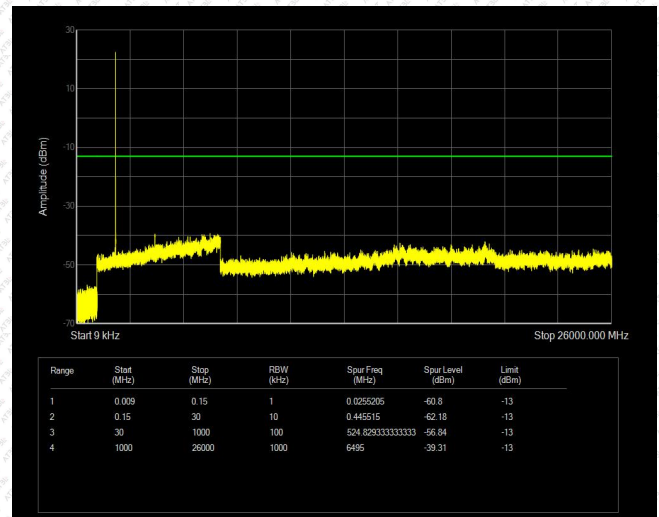
Band2 QAM16 BW=1.4MHz Channel=18607 RB Size=6 Position=#0



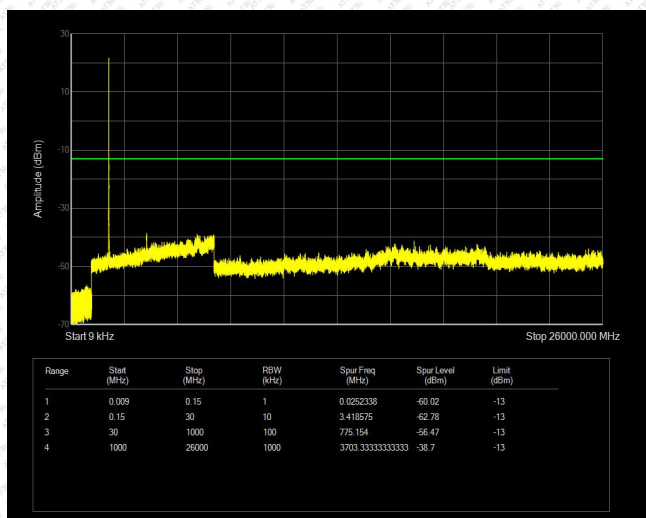
Band2 QAM16 BW=1.4MHz Channel=19193 RB Size=6 Position=#0



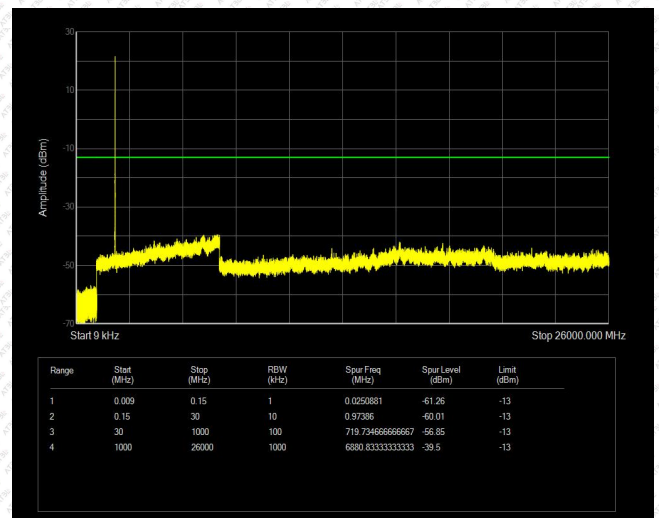
Band2 QAM16 BW=3MHz Channel=18615 RB Size=15 Position=#0



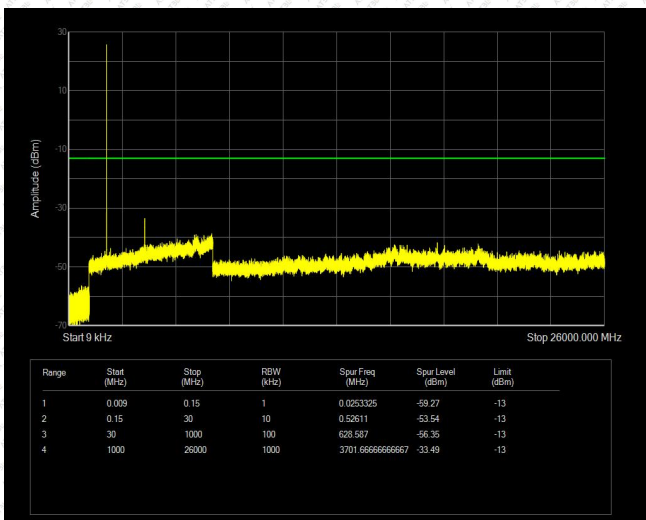
Band2 QAM16 BW=3MHz Channel=19185 RB Size=15 Position=#0



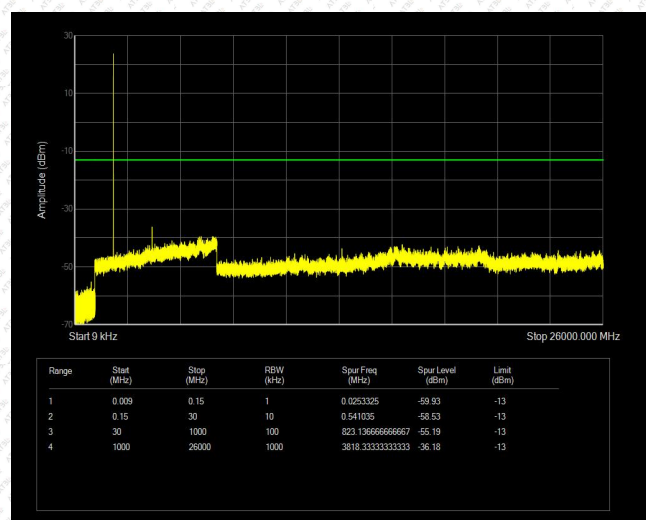
Band2 QAM16 BW=5MHz Channel=18625 RB Size=25 Position=#0



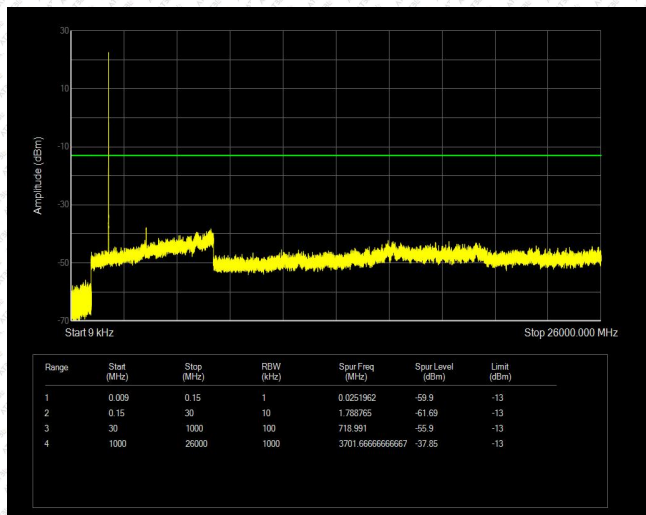
Band2 QAM16 BW=5MHz Channel=19175 RB Size=25 Position=#0



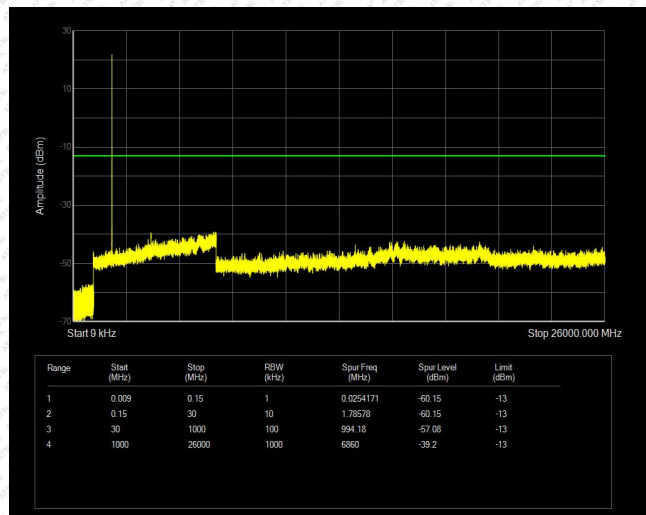
Band2 QPSK BW=1.4MHz Channel=18607 RB Size=6 Position=#0



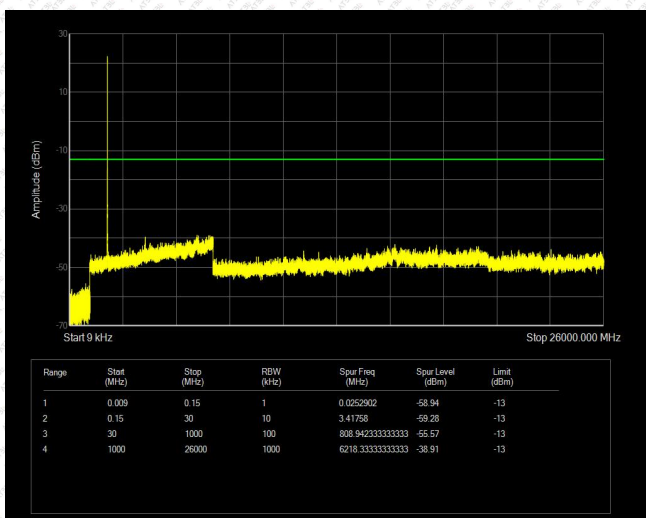
Band2 QPSK BW=1.4MHz Channel=19193 RB Size=6 Position=#0



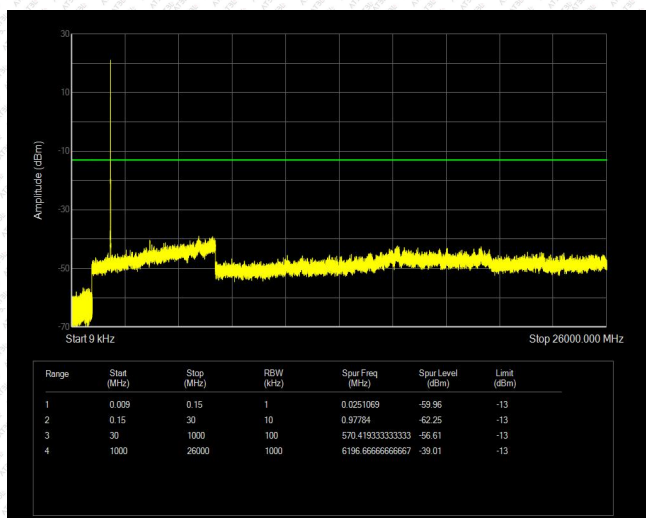
Band2 QPSK BW=3MHz Channel=18615 RB Size=15 Position=#0



Band2 QPSK BW=3MHz Channel=19185 RB Size=15 Position=#0



Band2 QPSK BW=5MHz Channel=18625 RB Size=25 Position=#0



Band2 QPSK BW=5MHz Channel=19175 RB Size=25 Position=#0

*****END OF THE APPENDIX A LTE Band 2*****