

Appendix-LTE Band 17

Conducted Test Data

Conducted Output Power and ERP

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBi)	ERP (dBm)	ERP Limit (dBm)	Verdict
Band17	5	23755	1	#0	QAM16	21.70	-4.94	14.61	34.77	PASS
Band17	5	23755	1	#Mid	QAM16	21.97	-4.94	14.88	34.77	PASS
Band17	5	23755	1	#Max	QAM16	21.80	-4.94	14.71	34.77	PASS
Band17	5	23755	12	#0	QAM16	20.43	-4.94	13.34	34.77	PASS
Band17	5	23755	12	#Mid	QAM16	20.53	-4.94	13.44	34.77	PASS
Band17	5	23755	12	#Max	QAM16	20.56	-4.94	13.47	34.77	PASS
Band17	5	23755	25	#0	QAM16	20.44	-4.94	13.35	34.77	PASS
Band17	5	23790	1	#0	QAM16	21.98	-4.94	14.89	34.77	PASS
Band17	5	23790	1	#Mid	QAM16	22.50	-4.94	15.41	34.77	PASS
Band17	5	23790	1	#Max	QAM16	22.26	-4.94	15.17	34.77	PASS
Band17	5	23790	12	#0	QAM16	20.55	-4.94	13.46	34.77	PASS
Band17	5	23790	12	#Mid	QAM16	20.66	-4.94	13.57	34.77	PASS
Band17	5	23790	12	#Max	QAM16	20.70	-4.94	13.61	34.77	PASS
Band17	5	23790	25	#0	QAM16	20.62	-4.94	13.53	34.77	PASS
Band17	5	23825	1	#0	QAM16	21.98	-4.94	14.89	34.77	PASS
Band17	5	23825	1	#Mid	QAM16	22.49	-4.94	15.40	34.77	PASS
Band17	5	23825	1	#Max	QAM16	22.24	-4.94	15.15	34.77	PASS
Band17	5	23825	12	#0	QAM16	20.80	-4.94	13.71	34.77	PASS
Band17	5	23825	12	#Mid	QAM16	20.89	-4.94	13.80	34.77	PASS
Band17	5	23825	12	#Max	QAM16	20.81	-4.94	13.72	34.77	PASS
Band17	5	23825	25	#0	QAM16	20.91	-4.94	13.82	34.77	PASS
Band17	10	23780	1	#0	QAM16	21.56	-4.94	14.47	34.77	PASS
Band17	10	23780	1	#Mid	QAM16	21.89	-4.94	14.80	34.77	PASS
Band17	10	23780	1	#Max	QAM16	22.05	-4.94	14.96	34.77	PASS
Band17	10	23780	25	#0	QAM16	20.48	-4.94	13.39	34.77	PASS
Band17	10	23780	25	#Mid	QAM16	20.68	-4.94	13.59	34.77	PASS
Band17	10	23780	25	#Max	QAM16	20.76	-4.94	13.67	34.77	PASS
Band17	10	23780	50	#0	QAM16	20.67	-4.94	13.58	34.77	PASS
Band17	10	23790	1	#0	QAM16	21.30	-4.94	14.21	34.77	PASS
Band17	10	23790	1	#Mid	QAM16	21.68	-4.94	14.59	34.77	PASS
Band17	10	23790	1	#Max	QAM16	21.86	-4.94	14.77	34.77	PASS
Band17	10	23790	25	#0	QAM16	20.54	-4.94	13.45	34.77	PASS
Band17	10	23790	25	#Mid	QAM16	20.69	-4.94	13.60	34.77	PASS
Band17	10	23790	25	#Max	QAM16	20.78	-4.94	13.69	34.77	PASS

Band17	10	23790	50	#0	QAM16	20.58	-4.94	13.49	34.77	PASS
Band17	10	23800	1	#0	QAM16	21.83	-4.94	14.74	34.77	PASS
Band17	10	23800	1	#Mid	QAM16	22.25	-4.94	15.16	34.77	PASS
Band17	10	23800	1	#Max	QAM16	22.41	-4.94	15.32	34.77	PASS
Band17	10	23800	25	#0	QAM16	20.65	-4.94	13.56	34.77	PASS
Band17	10	23800	25	#Mid	QAM16	20.82	-4.94	13.73	34.77	PASS
Band17	10	23800	25	#Max	QAM16	20.88	-4.94	13.79	34.77	PASS
Band17	10	23800	50	#0	QAM16	20.68	-4.94	13.59	34.77	PASS
Band17	5	23755	1	#0	QPSK	22.90	-4.94	15.81	34.77	PASS
Band17	5	23755	1	#Mid	QPSK	23.26	-4.94	16.17	34.77	PASS
Band17	5	23755	1	#Max	QPSK	22.83	-4.94	15.74	34.77	PASS
Band17	5	23755	12	#0	QPSK	21.50	-4.94	14.41	34.77	PASS
Band17	5	23755	12	#Mid	QPSK	21.55	-4.94	14.46	34.77	PASS
Band17	5	23755	12	#Max	QPSK	21.57	-4.94	14.48	34.77	PASS
Band17	5	23755	25	#0	QPSK	21.53	-4.94	14.44	34.77	PASS
Band17	5	23790	1	#0	QPSK	22.53	-4.94	15.44	34.77	PASS
Band17	5	23790	1	#Mid	QPSK	22.92	-4.94	15.83	34.77	PASS
Band17	5	23790	1	#Max	QPSK	22.79	-4.94	15.70	34.77	PASS
Band17	5	23790	12	#0	QPSK	21.61	-4.94	14.52	34.77	PASS
Band17	5	23790	12	#Mid	QPSK	21.72	-4.94	14.63	34.77	PASS
Band17	5	23790	12	#Max	QPSK	21.73	-4.94	14.64	34.77	PASS
Band17	5	23790	25	#0	QPSK	21.68	-4.94	14.59	34.77	PASS
Band17	5	23825	1	#0	QPSK	22.72	-4.94	15.63	34.77	PASS
Band17	5	23825	1	#Mid	QPSK	23.01	-4.94	15.92	34.77	PASS
Band17	5	23825	1	#Max	QPSK	22.93	-4.94	15.84	34.77	PASS
Band17	5	23825	12	#0	QPSK	21.87	-4.94	14.78	34.77	PASS
Band17	5	23825	12	#Mid	QPSK	21.98	-4.94	14.89	34.77	PASS
Band17	5	23825	12	#Max	QPSK	21.83	-4.94	14.74	34.77	PASS
Band17	5	23825	25	#0	QPSK	21.91	-4.94	14.82	34.77	PASS
Band17	10	23780	1	#0	QPSK	22.54	-4.94	15.45	34.77	PASS
Band17	10	23780	1	#Mid	QPSK	22.84	-4.94	15.75	34.77	PASS
Band17	10	23780	1	#Max	QPSK	22.94	-4.94	15.85	34.77	PASS
Band17	10	23780	25	#0	QPSK	21.50	-4.94	14.41	34.77	PASS
Band17	10	23780	25	#Mid	QPSK	21.72	-4.94	14.63	34.77	PASS
Band17	10	23780	25	#Max	QPSK	21.81	-4.94	14.72	34.77	PASS
Band17	10	23780	50	#0	QPSK	21.67	-4.94	14.58	34.77	PASS
Band17	10	23790	1	#0	QPSK	22.52	-4.94	15.43	34.77	PASS
Band17	10	23790	1	#Mid	QPSK	22.94	-4.94	15.85	34.77	PASS
Band17	10	23790	1	#Max	QPSK	23.02	-4.94	15.93	34.77	PASS
Band17	10	23790	25	#0	QPSK	21.53	-4.94	14.44	34.77	PASS
Band17	10	23790	25	#Mid	QPSK	21.71	-4.94	14.62	34.77	PASS
Band17	10	23790	25	#Max	QPSK	21.81	-4.94	14.72	34.77	PASS
Band17	10	23790	50	#0	QPSK	21.67	-4.94	14.58	34.77	PASS
Band17	10	23800	1	#0	QPSK	22.47	-4.94	15.38	34.77	PASS

Band17	10	23800	1	#Mid	QPSK	22.91	-4.94	15.82	34.77	PASS
Band17	10	23800	1	#Max	QPSK	23.01	-4.94	15.92	34.77	PASS
Band17	10	23800	25	#0	QPSK	21.65	-4.94	14.56	34.77	PASS
Band17	10	23800	25	#Mid	QPSK	21.80	-4.94	14.71	34.77	PASS
Band17	10	23800	25	#Max	QPSK	21.89	-4.94	14.80	34.77	PASS
Band17	10	23800	50	#0	QPSK	21.72	-4.94	14.63	34.77	PASS

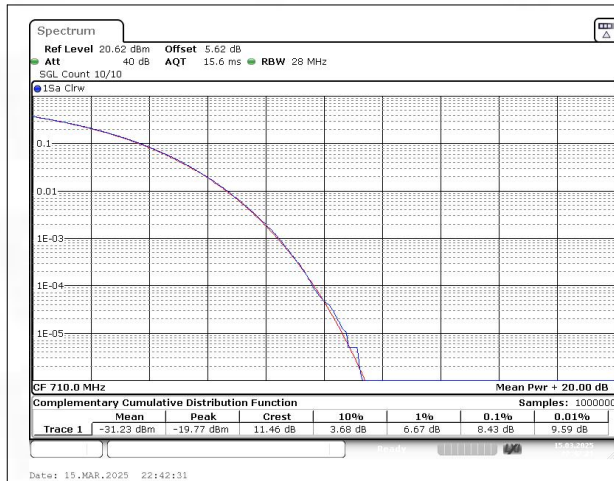
Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band17	10	23790	50	#0	QPSK	VL	NT	-3.52	-0.005	PASS
Band17	10	23790	50	#0	QPSK	VN	NT	-4.91	-0.007	PASS
Band17	10	23790	50	#0	QPSK	VH	NT	-4.01	-0.006	PASS

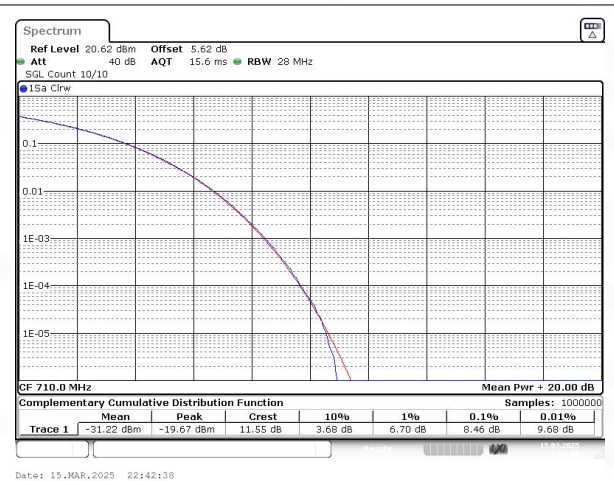
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (°C)	Result (Hz)	Result (ppm)	Verdict
Band17	10	23790	50	#0	QPSK	NV	-30	-1.62	-0.003	PASS
Band17	10	23790	50	#0	QPSK	NV	-20	-2.42	-0.004	PASS
Band17	10	23790	50	#0	QPSK	NV	-10	-9.25	-0.013	PASS
Band17	10	23790	50	#0	QPSK	NV	0	-1.76	-0.003	PASS
Band17	10	23790	50	#0	QPSK	NV	10	-5.04	-0.007	PASS
Band17	10	23790	50	#0	QPSK	NV	20	-8.94	-0.014	PASS
Band17	10	23790	50	#0	QPSK	NV	30	-1.25	-0.002	PASS
Band17	10	23790	50	#0	QPSK	NV	40	1.32	0.001	PASS
Band17	10	23790	50	#0	QPSK	NV	50	1.07	0.001	PASS

Peak-to-Average Ratio

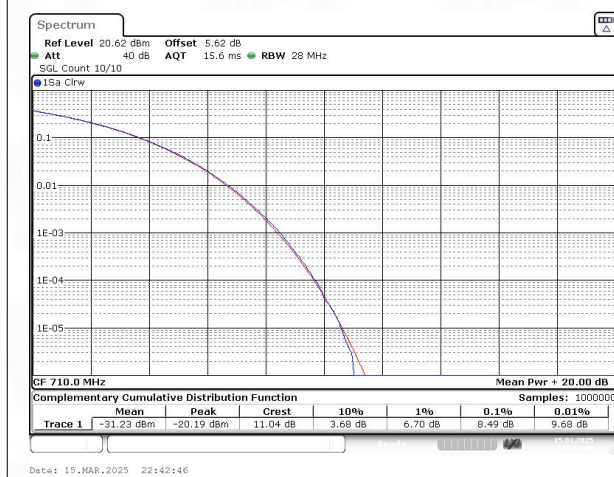
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band17	5	23790	1	#0	QAM16	8.46	13	PASS
Band17	10	23790	1	#0	QAM16	8.46	13	PASS
Band17	5	23790	1	#0	QPSK	8.43	13	PASS
Band17	10	23790	1	#0	QPSK	8.49	13	PASS



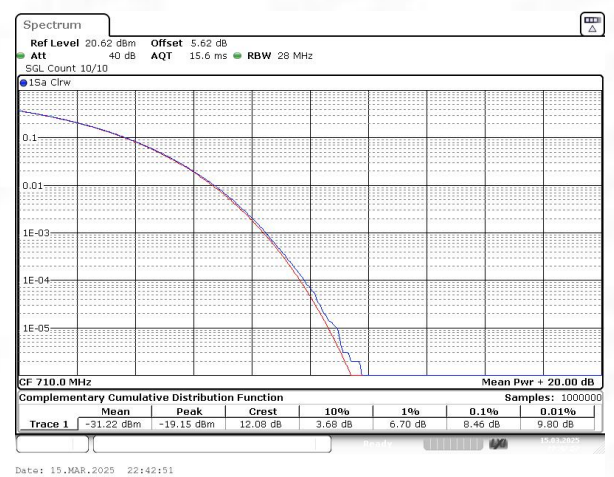
Band17 QPSK BW=5MHz Channel=23790 RB Size=1 Position=#0



Band17 QAM16 BW=5MHz Channel=23790 RB Size=1 Position=#0



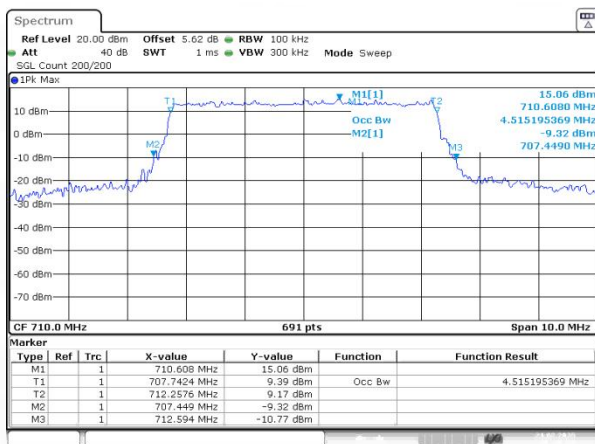
Band17 QPSK BW=10MHz Channel=23790 RB Size=1 Position=#0



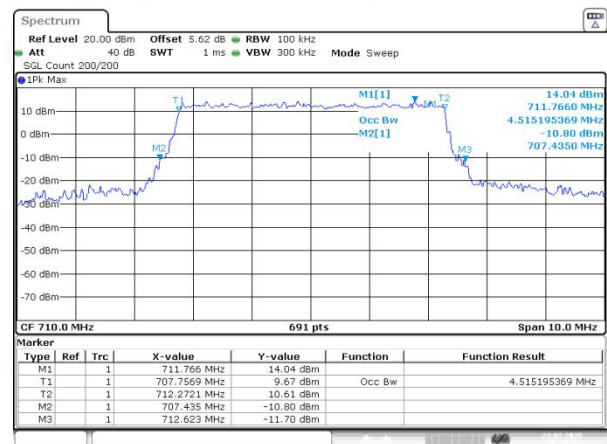
Band17 QAM16 BW=10MHz Channel=23790 RB Size=1 Position=#0

Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band17	5	23755	25	#0	QAM16	4.501	5.087	PASS
Band17	5	23790	25	#0	QAM16	4.515	5.188	PASS
Band17	5	23825	25	#0	QAM16	4.515	5.145	PASS
Band17	10	23780	50	#0	QAM16	9.001	10.029	PASS
Band17	10	23790	50	#0	QAM16	9.001	9.971	PASS
Band17	10	23800	50	#0	QAM16	9.001	9.971	PASS
Band17	5	23755	25	#0	QPSK	4.515	5.101	PASS
Band17	5	23790	25	#0	QPSK	4.515	5.145	PASS
Band17	5	23825	25	#0	QPSK	4.501	5.029	PASS
Band17	10	23780	50	#0	QPSK	8.973	10	PASS
Band17	10	23790	50	#0	QPSK	8.973	9.913	PASS
Band17	10	23800	50	#0	QPSK	8.973	10.116	PASS



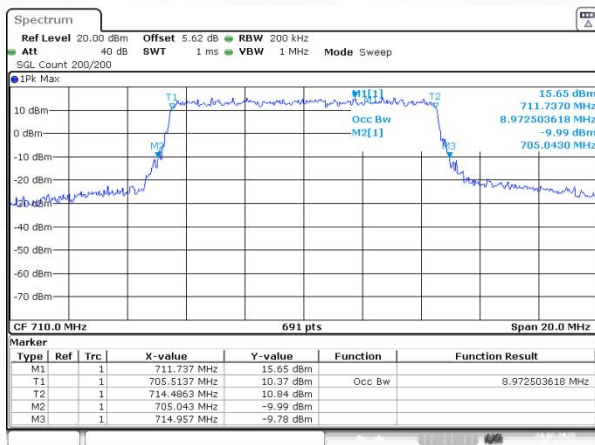
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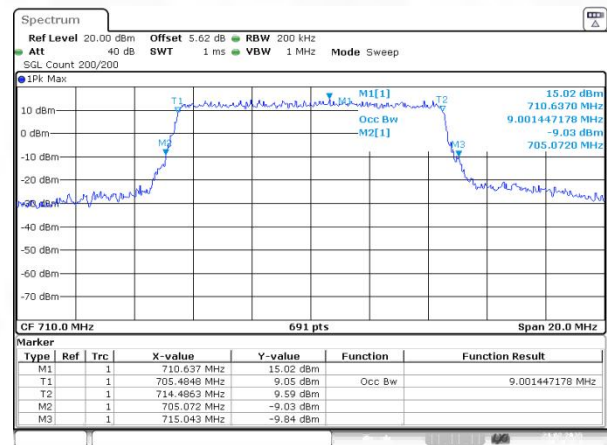
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Band17 QPSK BW=5MHz Channel=23790 RB Size=25 Position=#0

Band17 QAM16 BW=5MHz Channel=23790 RB Size=25 Position=#0



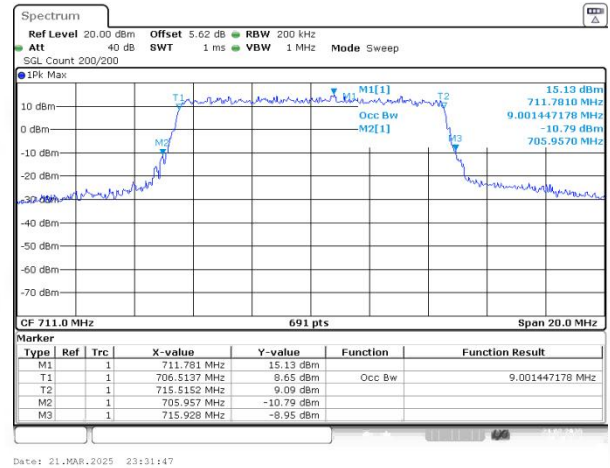
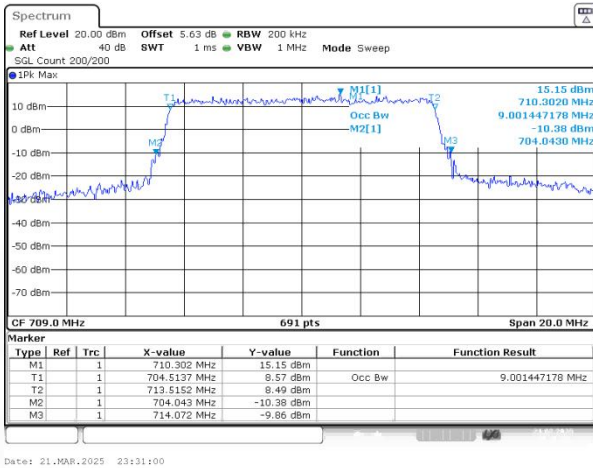
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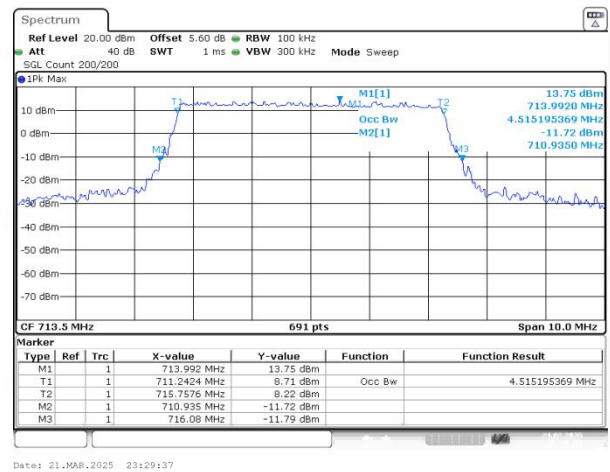
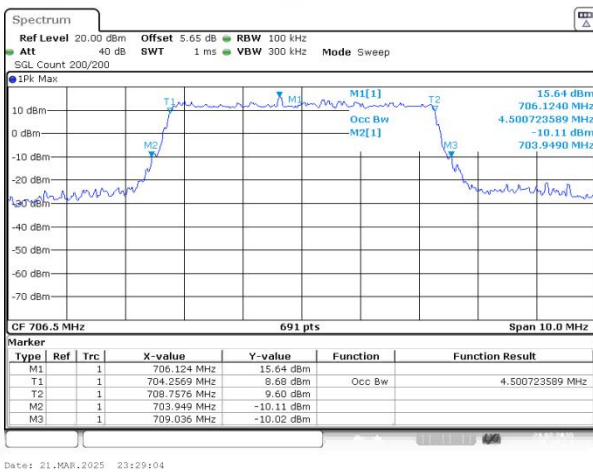
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Band17 QAM16 BW=10MHz Channel=23790 RB Size=50 Position=#0



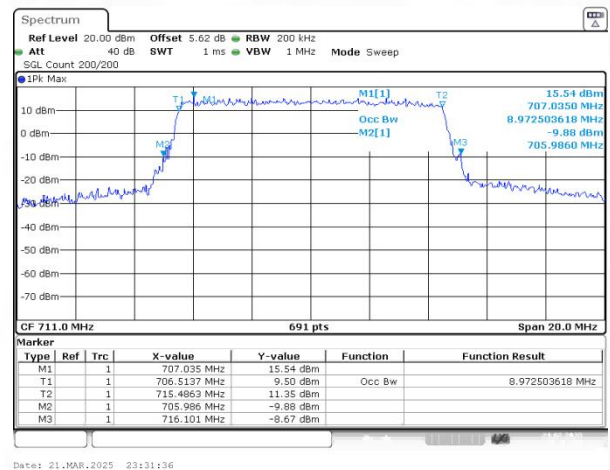
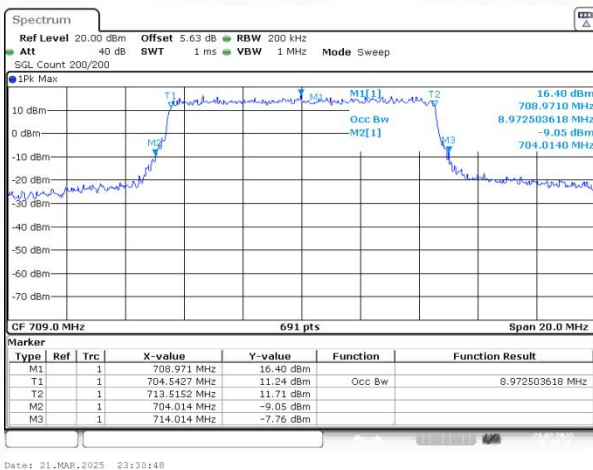
Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0

Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0



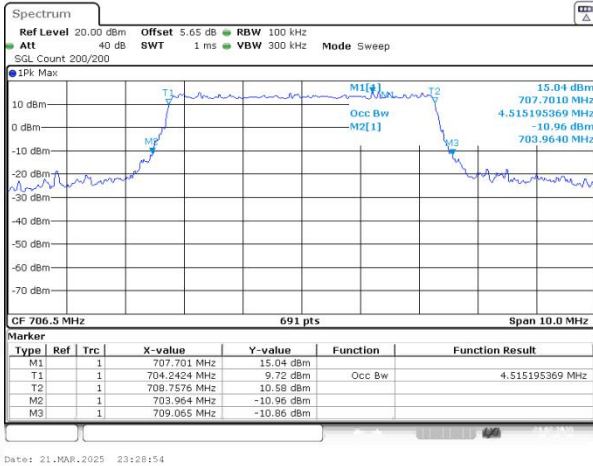
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Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0

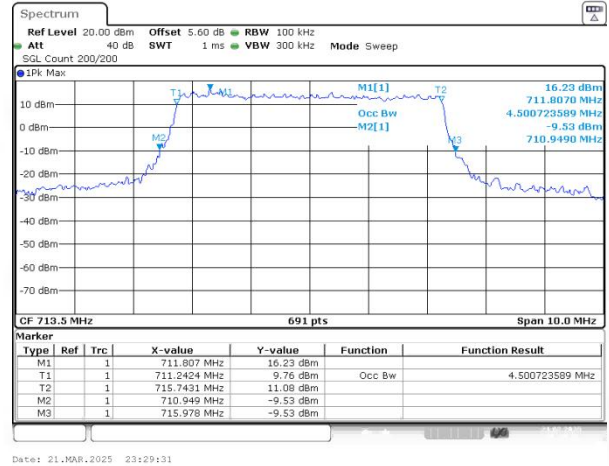


Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0

Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0



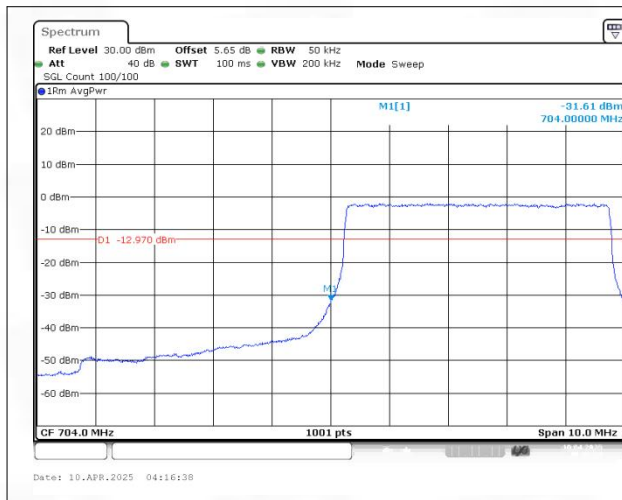
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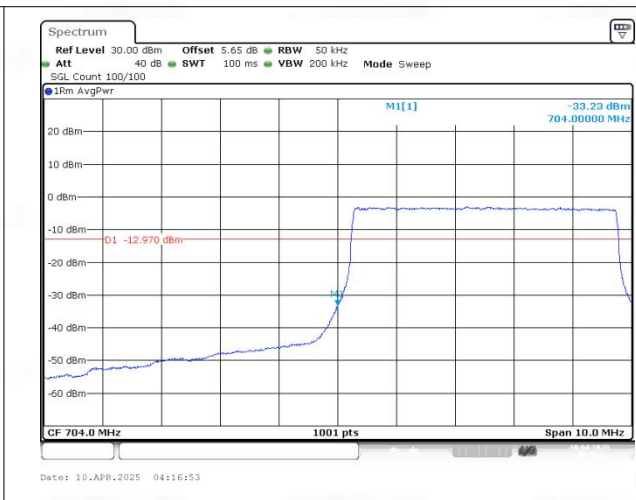
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Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QAM16	704	-33.23	-13	PASS
Band17	5	23825	25	#0	QAM16	716	-33.4	-13	PASS
Band17	10	23780	50	#0	QAM16	704	-36.38	-13	PASS
Band17	10	23800	50	#0	QAM16	716	-37.53	-13	PASS
Band17	5	23755	25	#0	QPSK	704	-31.6	-13	PASS
Band17	5	23825	25	#0	QPSK	716	-32.18	-13	PASS
Band17	10	23780	50	#0	QPSK	704	-34.33	-13	PASS
Band17	10	23800	50	#0	QPSK	716	-36.66	-13	PASS



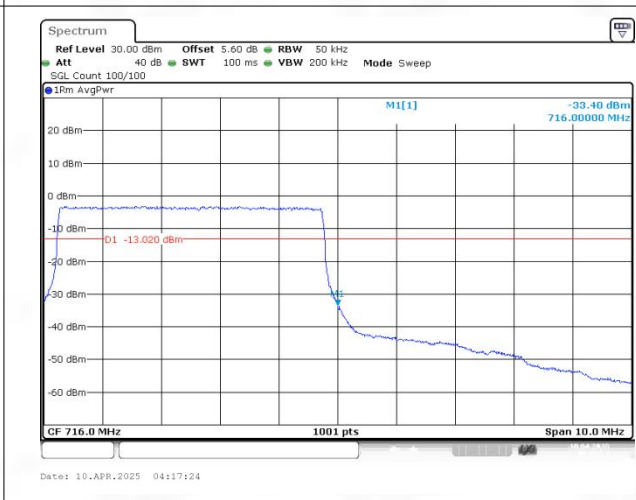
Band17 QPSK BW=5MHz Channel=23755 RB Size=25 Position=#0



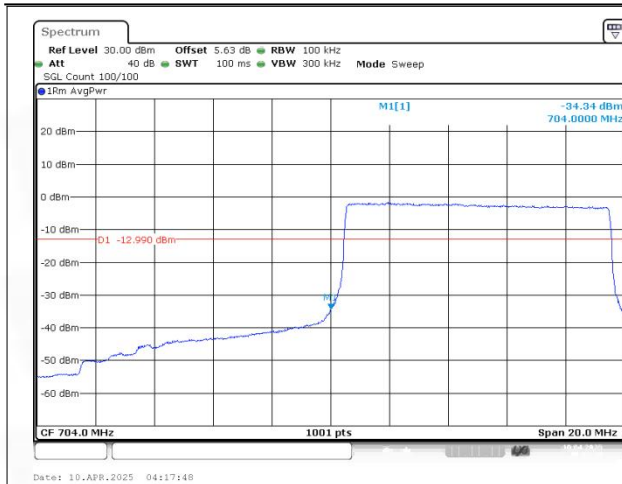
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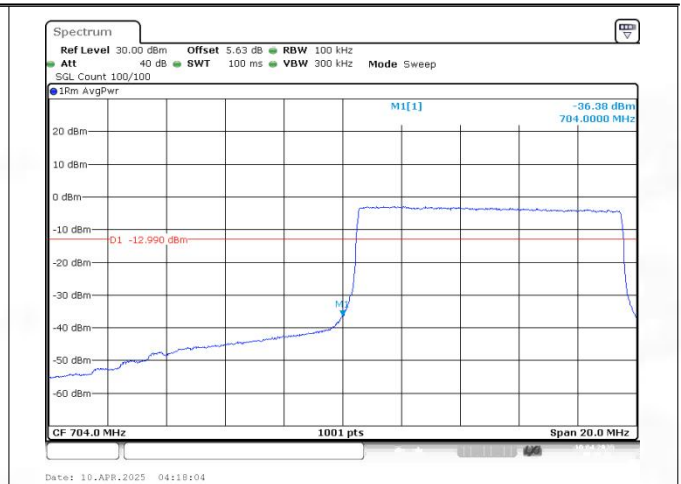
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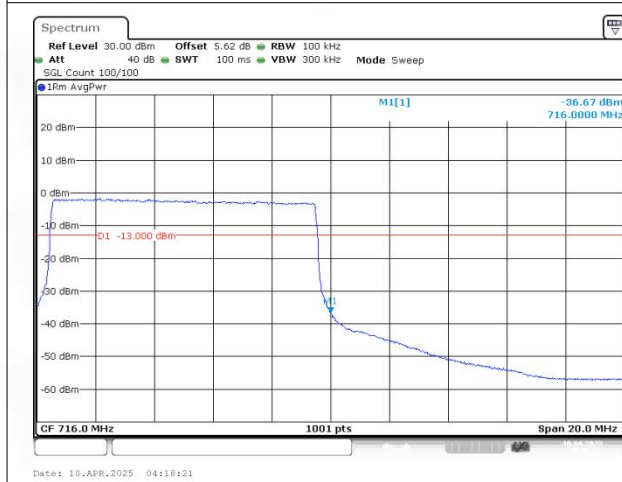
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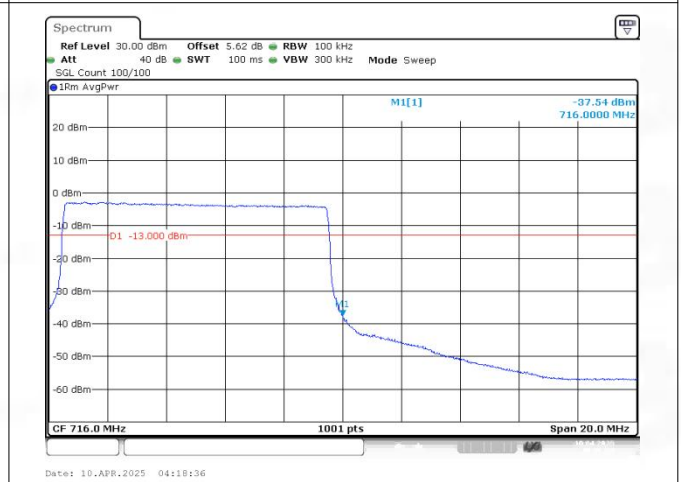
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Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



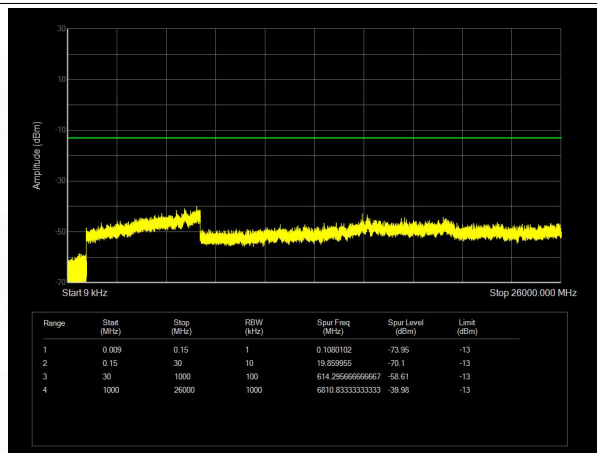
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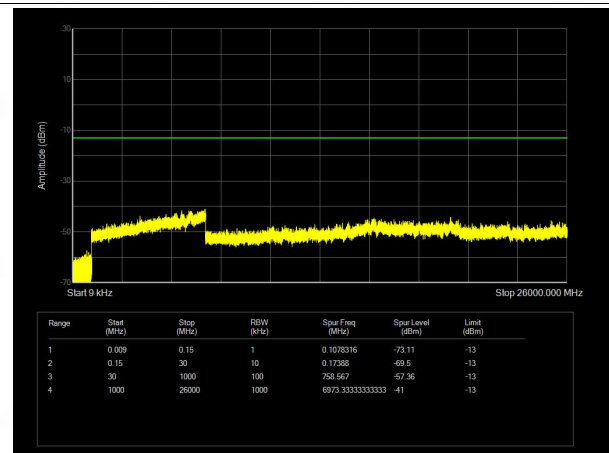
Band17 QAM16 BW=10MHz Channel=23800 RB Size=50 Position=#0

Out-of-band emissions

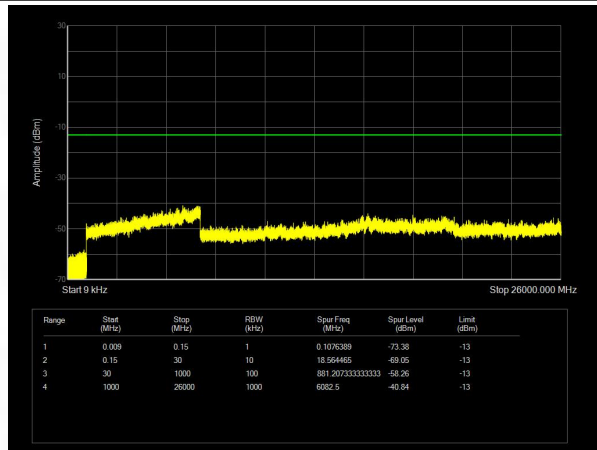
Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band17	5	23755	25	#0	QAM16	6973.33	-41	-13	PASS
Band17	5	23825	25	#0	QAM16	6918.33	-41.11	-13	PASS
Band17	10	23780	50	#0	QAM16	6236.67	-40.28	-13	PASS
Band17	5	23755	25	#0	QPSK	6810.83	-39.98	-13	PASS
Band17	5	23825	25	#0	QPSK	6082.5	-40.84	-13	PASS
Band17	10	23780	50	#0	QPSK	6857.5	-40.74	-13	PASS
Band17	10	23800	50	#0	QPSK	6193.33	-41.03	-13	PASS



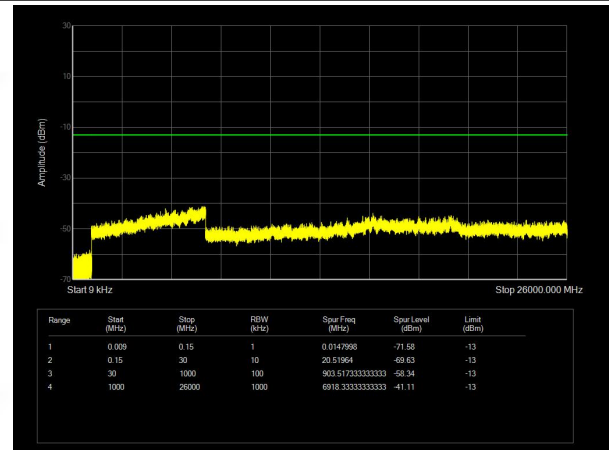
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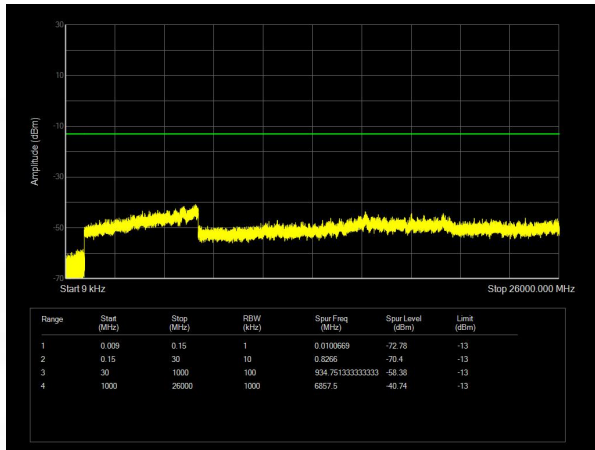
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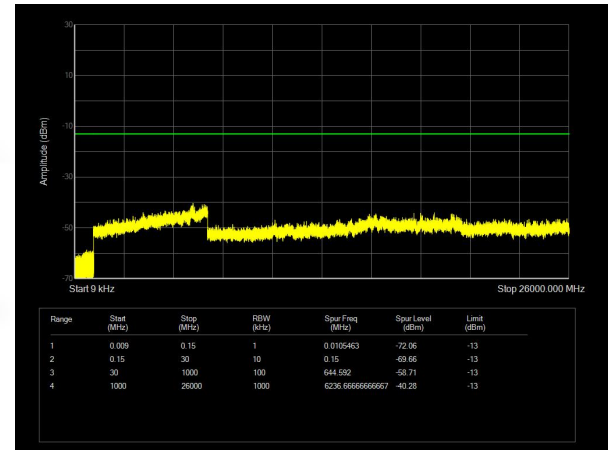
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Band17 QAM16 BW=5MHz Channel=23825 RB Size=25 Position=#0



Band17 QPSK BW=10MHz Channel=23780 RB Size=50 Position=#0



Band17 QAM16 BW=10MHz Channel=23780 RB Size=50 Position=#0



Band17 QPSK BW=10MHz Channel=23800 RB Size=50 Position=#0