

Appendix Test Data for LTE band 12(Conducted Measurement)

Product Name: 4G Poc Radio

Trade Mark: N/A

Test Model: N180

FCC ID: 2BQXTP360N

Environmental Conditions

Temperature:	23.5℃
Relative Humidity:	58%
ATM Pressure:	100.0 kPa
Test Engineer:	Allen Lai
Supervised by:	Max Zhang
NOTE	N/A

Appendix A: RF output power

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	ERP (dBm)	Limit (dBm)	Conclusion
12	1.4	699.7	QPSK	6	LOW	23.36	29.37	6.01	13	0.22	21.43	38.5	Pass
12	1.4	699.7	QPSK	3	LOW	24.22	30.25	6.03	13	0.22	22.29	38.5	Pass
12	1.4	699.7	QPSK	3	MID	24.23	30.27	6.04	13	0.22	22.3	38.5	Pass
12	1.4	699.7	QPSK	3	HIGH	24.28	30.23	5.95	13	0.22	22.35	38.5	Pass
12	1.4	699.7	QPSK	1	LOW	24.19	29.2	5.01	13	0.22	22.26	38.5	Pass
12	1.4	699.7	QPSK	1	MID	24.23	29.19	4.96	13	0.22	22.3	38.5	Pass
12	1.4	699.7	QPSK	1	HIGH	24.27	29.24	4.97	13	0.22	22.34	38.5	Pass
12	1.4	699.7	16QAM	6	LOW	22.41	29.02	6.61	13	0.22	20.48	38.5	Pass
12	1.4	699.7	16QAM	3	LOW	23.55	29.8	6.25	13	0.22	21.62	38.5	Pass
12	1.4	699.7	16QAM	3	MID	23.54	29.78	6.24	13	0.22	21.61	38.5	Pass
12	1.4	699.7	16QAM	3	HIGH	23.52	29.83	6.31	13	0.22	21.59	38.5	Pass
12	1.4	699.7	16QAM	1	LOW	23.43	28.82	5.39	13	0.22	21.5	38.5	Pass
12	1.4	699.7	16QAM	1	MID	23.48	28.83	5.35	13	0.22	21.55	38.5	Pass
12	1.4	699.7	16QAM	1	HIGH	23.46	28.81	5.35	13	0.22	21.53	38.5	Pass
12	1.4	707.5	QPSK	6	LOW	23.29	29.13	5.84	13	0.22	21.36	38.5	Pass
12	1.4	707.5	QPSK	3	LOW	24.05	29.3	5.25	13	0.22	22.12	38.5	Pass
12	1.4	707.5	QPSK	3	MID	24.04	29.31	5.27	13	0.22	22.11	38.5	Pass
12	1.4	707.5	QPSK	3	HIGH	24.25	29.51	5.26	13	0.22	22.32	38.5	Pass
12	1.4	707.5	QPSK	1	LOW	24.02	29.26	5.24	13	0.22	22.09	38.5	Pass
12	1.4	707.5	QPSK	1	MID	24.18	29.33	5.15	13	0.22	22.25	38.5	Pass
12	1.4	707.5	QPSK	1	HIGH	24.32	29.47	5.15	13	0.22	22.39	38.5	Pass
12	1.4	707.5	16QAM	6	LOW	22.36	29.28	6.92	13	0.22	20.43	38.5	Pass





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12	1.4	707.5	16QAM	3	LOW	23.34	29.15	5.81	13	0.22	21.41	38.5	Pass
12	1.4	707.5	16QAM	3	MID	23.34	29.17	5.83	13	0.22	21.41	38.5	Pass
12	1.4	707.5	16QAM	3	HIGH	23.56	29.27	5.71	13	0.22	21.63	38.5	Pass
12	1.4	707.5	16QAM	1	LOW	23.18	28.71	5.53	13	0.22	21.25	38.5	Pass
12	1.4	707.5	16QAM	1	MID	23.3	28.77	5.47	13	0.22	21.37	38.5	Pass
12	1.4	707.5	16QAM	1	HIGH	23.44	28.88	5.44	13	0.22	21.51	38.5	Pass
12	1.4	715.3	QPSK	6	LOW	22.92	28.56	5.64	13	0.22	20.99	38.5	Pass
12	1.4	715.3	QPSK	3	LOW	23.93	29.35	5.42	13	0.22	22	38.5	Pass
12	1.4	715.3	QPSK	3	MID	23.92	29.37	5.45	13	0.22	21.99	38.5	Pass
12	1.4	715.3	QPSK	3	HIGH	23.67	29.16	5.49	13	0.22	21.74	38.5	Pass
12	1.4	715.3	QPSK	1	LOW	23.97	29.25	5.28	13	0.22	22.04	38.5	Pass
12	1.4	715.3	QPSK	1	MID	23.71	28.96	5.25	13	0.22	21.78	38.5	Pass
12	1.4	715.3	QPSK	1	HIGH	23.53	28.75	5.22	13	0.22	21.6	38.5	Pass
12	1.4	715.3	16QAM	6	LOW	21.96	28.22	6.26	13	0.22	20.03	38.5	Pass
12	1.4	715.3	16QAM	3	LOW	22.99	29.43	6.44	13	0.22	21.06	38.5	Pass
12	1.4	715.3	16QAM	3	MID	22.99	29.43	6.44	13	0.22	21.06	38.5	Pass
12	1.4	715.3	16QAM	3	HIGH	22.77	29.16	6.39	13	0.22	20.84	38.5	Pass
12	1.4	715.3	16QAM	1	LOW	23.17	28.15	4.98	13	0.22	21.24	38.5	Pass
12	1.4	715.3	16QAM	1	MID	22.97	27.91	4.94	13	0.22	21.04	38.5	Pass
12	1.4	715.3	16QAM	1	HIGH	22.84	27.73	4.89	13	0.22	20.91	38.5	Pass
12	3	700.5	QPSK	15	LOW	23.29	29.76	6.47	13	0.22	21.36	38.5	Pass
12	3	700.5	QPSK	8	LOW	23.35	29.59	6.24	13	0.22	21.42	38.5	Pass
12	3	700.5	QPSK	8	MID	23.33	29.7	6.37	13	0.22	21.4	38.5	Pass
12	3	700.5	QPSK	8	HIGH	23.25	29.49	6.24	13	0.22	21.32	38.5	Pass
12	3	700.5	QPSK	1	LOW	24.16	29.14	4.98	13	0.22	22.23	38.5	Pass
12	3	700.5	QPSK	1	MID	24.16	29.13	4.97	13	0.22	22.23	38.5	Pass
12	3	700.5	QPSK	1	HIGH	23.95	28.96	5.01	13	0.22	22.02	38.5	Pass
12	3	700.5	16QAM	15	LOW	22.43	29.67	7.24	13	0.22	20.5	38.5	Pass
12	3	700.5	16QAM	8	LOW	22.5	28.96	6.46	13	0.22	20.57	38.5	Pass
12	3	700.5	16QAM	8	MID	22.5	28.81	6.31	13	0.22	20.57	38.5	Pass
12	3	700.5	16QAM	8	HIGH	22.39	28.83	6.44	13	0.22	20.46	38.5	Pass
12	3	700.5	16QAM	1	LOW	23.45	28.85	5.40	13	0.22	21.52	38.5	Pass
12	3	700.5	16QAM	1	MID	23.4	28.8	5.40	13	0.22	21.47	38.5	Pass
12	3	700.5	16QAM	1	HIGH	23.2	28.57	5.37	13	0.22	21.27	38.5	Pass
12	3	707.5	QPSK	15	LOW	23.32	29.35	6.03	13	0.22	21.39	38.5	Pass
12	3	707.5	QPSK	8	LOW	23.09	28.77	5.68	13	0.22	21.16	38.5	Pass
12	3	707.5	QPSK	8	MID	23.09	28.69	5.60	13	0.22	21.16	38.5	Pass
12	3	707.5	QPSK	8	HIGH	23.43	29.15	5.72	13	0.22	21.5	38.5	Pass
12	3	707.5	QPSK	1	LOW	23.85	28.59	4.74	13	0.22	21.92	38.5	Pass
12	3	707.5	QPSK	1	MID	24.12	28.73	4.61	13	0.22	22.19	38.5	Pass
12	3	707.5	QPSK	1	HIGH	24.32	28.98	4.66	13	0.22	22.39	38.5	Pass





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12	3	707.5	16QAM	15	LOW	22.41	29.38	6.97	13	0.22	20.48	38.5	Pass
12	3	707.5	16QAM	8	LOW	22.31	28.9	6.59	13	0.22	20.38	38.5	Pass
12	3	707.5	16QAM	8	MID	22.31	28.8	6.49	13	0.22	20.38	38.5	Pass
12	3	707.5	16QAM	8	HIGH	22.64	29.09	6.45	13	0.22	20.71	38.5	Pass
12	3	707.5	16QAM	1	LOW	23.58	29.22	5.64	13	0.22	21.65	38.5	Pass
12	3	707.5	16QAM	1	MID	23.85	29.33	5.48	13	0.22	21.92	38.5	Pass
12	3	707.5	16QAM	1	HIGH	24.05	29.54	5.49	13	0.22	22.12	38.5	Pass
12	3	714.5	QPSK	15	LOW	23.24	28.93	5.69	13	0.22	21.31	38.5	Pass
12	3	714.5	QPSK	8	LOW	23.44	29.42	5.98	13	0.22	21.51	38.5	Pass
12	3	714.5	QPSK	8	MID	23.43	29.57	6.14	13	0.22	21.5	38.5	Pass
12	3	714.5	QPSK	8	HIGH	22.98	29.15	6.17	13	0.22	21.05	38.5	Pass
12	3	714.5	QPSK	1	LOW	24.46	29.75	5.29	13	0.22	22.53	38.5	Pass
12	3	714.5	QPSK	1	MID	24.11	29.34	5.23	13	0.22	22.18	38.5	Pass
12	3	714.5	QPSK	1	HIGH	23.5	28.75	5.25	13	0.22	21.57	38.5	Pass
12	3	714.5	16QAM	15	LOW	22.26	28.84	6.58	13	0.22	20.33	38.5	Pass
12	3	714.5	16QAM	8	LOW	22.48	28.81	6.33	13	0.22	20.55	38.5	Pass
12	3	714.5	16QAM	8	MID	22.43	28.75	6.32	13	0.22	20.5	38.5	Pass
12	3	714.5	16QAM	8	HIGH	22	28.37	6.37	13	0.22	20.07	38.5	Pass
12	3	714.5	16QAM	1	LOW	23.7	28.68	4.98	13	0.22	21.77	38.5	Pass
12	3	714.5	16QAM	1	MID	23.37	28.35	4.98	13	0.22	21.44	38.5	Pass
12	3	714.5	16QAM	1	HIGH	22.79	27.78	4.99	13	0.22	20.86	38.5	Pass
12	5	701.5	QPSK	25	LOW	23.21	29.58	6.37	13	0.22	21.28	38.5	Pass
12	5	701.5	QPSK	12	LOW	23.27	29.23	5.96	13	0.22	21.34	38.5	Pass
12	5	701.5	QPSK	12	MID	23.35	29.27	5.92	13	0.22	21.42	38.5	Pass
12	5	701.5	QPSK	12	HIGH	23.08	29.14	6.06	13	0.22	21.15	38.5	Pass
12	5	701.5	QPSK	1	LOW	24.33	29.57	5.24	13	0.22	22.4	38.5	Pass
12	5	701.5	QPSK	1	MID	24.13	29.38	5.25	13	0.22	22.2	38.5	Pass
12	5	701.5	QPSK	1	HIGH	23.94	29.09	5.15	13	0.22	22.01	38.5	Pass
12	5	701.5	16QAM	25	LOW	22.27	29.57	7.30	13	0.22	20.34	38.5	Pass
12	5	701.5	16QAM	12	LOW	22.35	29.17	6.82	13	0.22	20.42	38.5	Pass
12	5	701.5	16QAM	12	MID	22.35	29.28	6.93	13	0.22	20.42	38.5	Pass
12	5	701.5	16QAM	12	HIGH	22.15	29.06	6.91	13	0.22	20.22	38.5	Pass
12	5	701.5	16QAM	1	LOW	23.57	29.62	6.05	13	0.22	21.64	38.5	Pass
12	5	701.5	16QAM	1	MID	23.34	29.34	6	13	0.22	21.41	38.5	Pass
12	5	701.5	16QAM	1	HIGH	23.24	29.14	5.90	13	0.22	21.31	38.5	Pass
12	5	707.5	QPSK	25	LOW	23.36	29.36	6	13	0.22	21.43	38.5	Pass
12	5	707.5	QPSK	12	LOW	23.07	28.7	5.63	13	0.22	21.14	38.5	Pass
12	5	707.5	QPSK	12	MID	23.07	28.65	5.58	13	0.22	21.14	38.5	Pass
12	5	707.5	QPSK	12	HIGH	23.54	29.06	5.52	13	0.22	21.61	38.5	Pass
12	5	707.5	QPSK	1	LOW	23.98	29.4	5.42	13	0.22	22.05	38.5	Pass
12	5	707.5	QPSK	1	MID	24.24	29.33	5.09	13	0.22	22.31	38.5	Pass





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12	5	707.5	QPSK	1	HIGH	24.7	29.85	5.15	13	0.22	22.77	38.5	Pass
12	5	707.5	16QAM	25	LOW	22.44	29.22	6.78	13	0.22	20.51	38.5	Pass
12	5	707.5	16QAM	12	LOW	22.12	29.24	7.12	13	0.22	20.19	38.5	Pass
12	5	707.5	16QAM	12	MID	22.12	29.16	7.04	13	0.22	20.19	38.5	Pass
12	5	707.5	16QAM	12	HIGH	22.59	29.62	7.03	13	0.22	20.66	38.5	Pass
12	5	707.5	16QAM	1	LOW	22.94	28.31	5.37	13	0.22	21.01	38.5	Pass
12	5	707.5	16QAM	1	MID	23.29	28.47	5.18	13	0.22	21.36	38.5	Pass
12	5	707.5	16QAM	1	HIGH	23.73	28.96	5.23	13	0.22	21.8	38.5	Pass
12	5	713.5	QPSK	25	LOW	23.49	29.37	5.88	13	0.22	21.56	38.5	Pass
12	5	713.5	QPSK	12	LOW	23.79	29.95	6.16	13	0.22	21.86	38.5	Pass
12	5	713.5	QPSK	12	MID	23.79	29.96	6.17	13	0.22	21.86	38.5	Pass
12	5	713.5	QPSK	12	HIGH	23.18	29.47	6.29	13	0.22	21.25	38.5	Pass
12	5	713.5	QPSK	1	LOW	24.88	29.96	5.08	13	0.22	22.95	38.5	Pass
12	5	713.5	QPSK	1	MID	24.45	29.7	5.25	13	0.22	22.52	38.5	Pass
12	5	713.5	QPSK	1	HIGH	23.63	28.84	5.21	13	0.22	21.7	38.5	Pass
12	5	713.5	16QAM	25	LOW	22.49	30.38	7.89	13	0.22	20.56	38.5	Pass
12	5	713.5	16QAM	12	LOW	22.85	29.49	6.64	13	0.22	20.92	38.5	Pass
12	5	713.5	16QAM	12	MID	22.85	29.6	6.75	13	0.22	20.92	38.5	Pass
12	5	713.5	16QAM	12	HIGH	22.26	28.92	6.66	13	0.22	20.33	38.5	Pass
12	5	713.5	16QAM	1	LOW	24.19	29.73	5.54	13	0.22	22.26	38.5	Pass
12	5	713.5	16QAM	1	MID	23.82	29.48	5.66	13	0.22	21.89	38.5	Pass
12	5	713.5	16QAM	1	HIGH	23.05	28.66	5.61	13	0.22	21.12	38.5	Pass
12	10	704	QPSK	50	LOW	22.94	28.81	5.87	13	0.22	21.01	38.5	Pass
12	10	704	QPSK	25	LOW	22.98	29.47	6.49	13	0.22	21.05	38.5	Pass
12	10	704	QPSK	25	MID	23.02	29.73	6.71	13	0.22	21.09	38.5	Pass
12	10	704	QPSK	25	HIGH	22.89	29.31	6.42	13	0.22	20.96	38.5	Pass
12	10	704	QPSK	1	LOW	24.25	29.2	4.95	13	0.22	22.32	38.5	Pass
12	10	704	QPSK	1	MID	23.85	28.7	4.85	13	0.22	21.92	38.5	Pass
12	10	704	QPSK	1	HIGH	24.4	28.99	4.59	13	0.22	22.47	38.5	Pass
12	10	704	16QAM	25	LOW	22.13	29.37	7.24	13	0.22	20.2	38.5	Pass
12	10	704	16QAM	25	MID	22.13	29.41	7.28	13	0.22	20.2	38.5	Pass
12	10	704	16QAM	25	HIGH	22.01	29.04	7.03	13	0.22	20.08	38.5	Pass
12	10	704	16QAM	1	LOW	23.31	28.69	5.38	13	0.22	21.38	38.5	Pass
12	10	704	16QAM	1	MID	23.03	28.36	5.33	13	0.22	21.1	38.5	Pass
12	10	704	16QAM	1	HIGH	23.47	28.61	5.14	13	0.22	21.54	38.5	Pass
12	10	707.5	QPSK	50	LOW	23.3	29.47	6.17	13	0.22	21.37	38.5	Pass
12	10	707.5	QPSK	25	LOW	22.83	29.13	6.30	13	0.22	20.9	38.5	Pass
12	10	707.5	QPSK	25	MID	22.83	29	6.17	13	0.22	20.9	38.5	Pass
12	10	707.5	QPSK	25	HIGH	23.53	29.67	6.14	13	0.22	21.6	38.5	Pass
12	10	707.5	QPSK	1	LOW	23.9	28.81	4.91	13	0.22	21.97	38.5	Pass
12	10	707.5	QPSK	1	MID	24.09	28.7	4.61	13	0.22	22.16	38.5	Pass





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12	10	707.5	QPSK	1	HIGH	24.75	29.6	4.85	13	0.22	22.82	38.5	Pass
12	10	707.5	16QAM	25	LOW	21.89	28.95	7.06	13	0.22	19.96	38.5	Pass
12	10	707.5	16QAM	25	MID	21.9	28.94	7.04	13	0.22	19.97	38.5	Pass
12	10	707.5	16QAM	25	HIGH	22.62	29.68	7.06	13	0.22	20.69	38.5	Pass
12	10	707.5	16QAM	1	LOW	23.55	29.6	6.05	13	0.22	21.62	38.5	Pass
12	10	707.5	16QAM	1	MID	23.76	29.25	5.49	13	0.22	21.83	38.5	Pass
12	10	707.5	16QAM	1	HIGH	24.32	30.19	5.87	13	0.22	22.39	38.5	Pass
12	10	711	QPSK	50	LOW	23.42	29.41	5.99	13	0.22	21.49	38.5	Pass
12	10	711	QPSK	25	LOW	23.32	29.26	5.94	13	0.22	21.39	38.5	Pass
12	10	711	QPSK	25	MID	23.32	29.25	5.93	13	0.22	21.39	38.5	Pass
12	10	711	QPSK	25	HIGH	23.47	29.38	5.91	13	0.22	21.54	38.5	Pass
12	10	711	QPSK	1	LOW	23.98	28.96	4.98	13	0.22	22.05	38.5	Pass
12	10	711	QPSK	1	MID	24.87	29.91	5.04	13	0.22	22.94	38.5	Pass
12	10	711	QPSK	1	HIGH	23.79	29.04	5.25	13	0.22	21.86	38.5	Pass
12	10	711	16QAM	25	LOW	22.47	29.49	7.02	13	0.22	20.54	38.5	Pass
12	10	711	16QAM	25	MID	22.48	29.3	6.82	13	0.22	20.55	38.5	Pass
12	10	711	16QAM	25	HIGH	22.54	29.75	7.21	13	0.22	20.61	38.5	Pass
12	10	711	16QAM	1	LOW	23.16	27.99	4.83	13	0.22	21.23	38.5	Pass
12	10	711	16QAM	1	MID	24.15	28.98	4.83	13	0.22	22.22	38.5	Pass
12	10	711	16QAM	1	HIGH	22.95	27.92	4.97	13	0.22	21.02	38.5	Pass





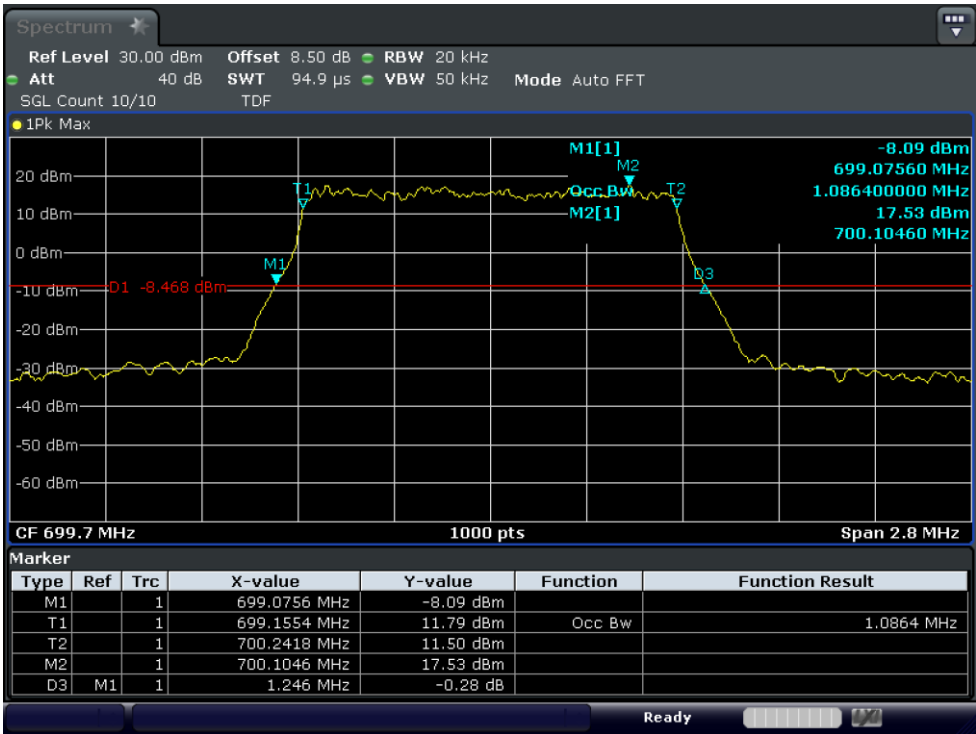
Appendix B: Occupied bandwidth

Test Result

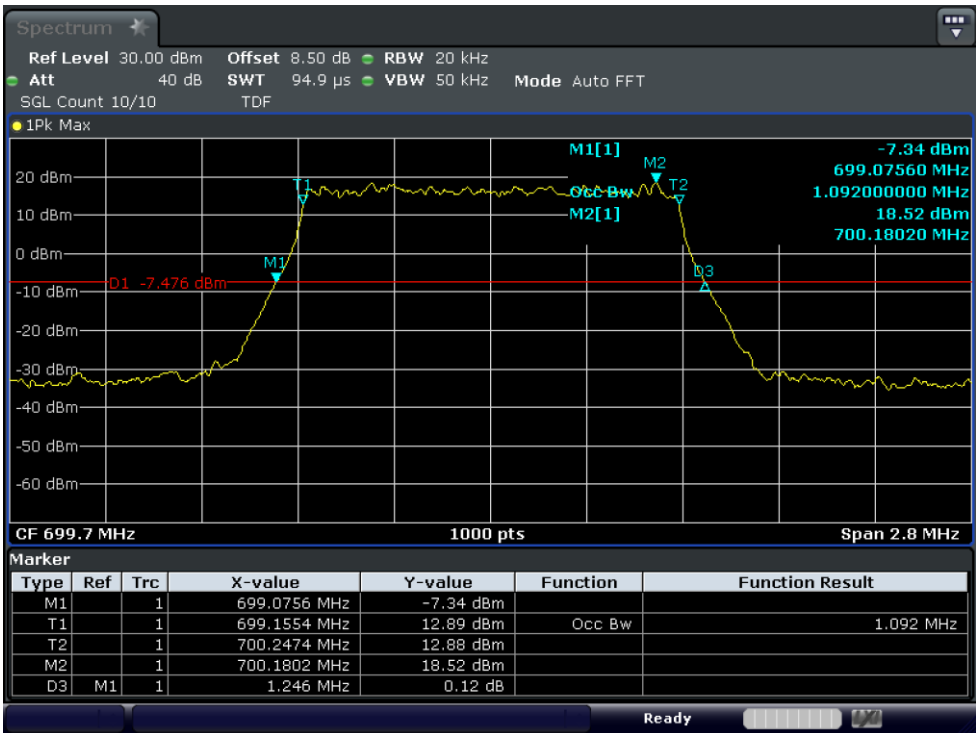
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
12	1.4	699.7	QPSK	6	LOW	1.092	1.246	No limit
12	1.4	699.7	16QAM	6	LOW	1.086	1.246	No limit
12	1.4	707.5	QPSK	6	LOW	1.084	1.243	No limit
12	1.4	707.5	16QAM	6	LOW	1.086	1.257	No limit
12	1.4	715.3	QPSK	6	LOW	1.086	1.26	No limit
12	1.4	715.3	16QAM	6	LOW	1.081	1.226	No limit
12	3	700.5	QPSK	15	LOW	2.682	2.886	No limit
12	3	700.5	16QAM	15	LOW	2.682	2.892	No limit
12	3	707.5	QPSK	15	LOW	2.688	2.886	No limit
12	3	707.5	16QAM	15	LOW	2.682	2.88	No limit
12	3	714.5	QPSK	15	LOW	2.682	2.904	No limit
12	3	714.5	16QAM	15	LOW	2.676	2.88	No limit
12	5	701.5	QPSK	25	LOW	4.47	4.82	No limit
12	5	701.5	16QAM	25	LOW	4.47	4.84	No limit
12	5	707.5	QPSK	25	LOW	4.49	4.89	No limit
12	5	707.5	16QAM	25	LOW	4.48	4.81	No limit
12	5	713.5	QPSK	25	LOW	4.48	4.83	No limit
12	5	713.5	16QAM	25	LOW	4.48	4.83	No limit
12	10	704	QPSK	50	LOW	8.96	9.54	No limit
12	10	707.5	QPSK	50	LOW	8.94	9.6	No limit
12	10	711	QPSK	50	LOW	8.92	9.46	No limit



Test Graphs

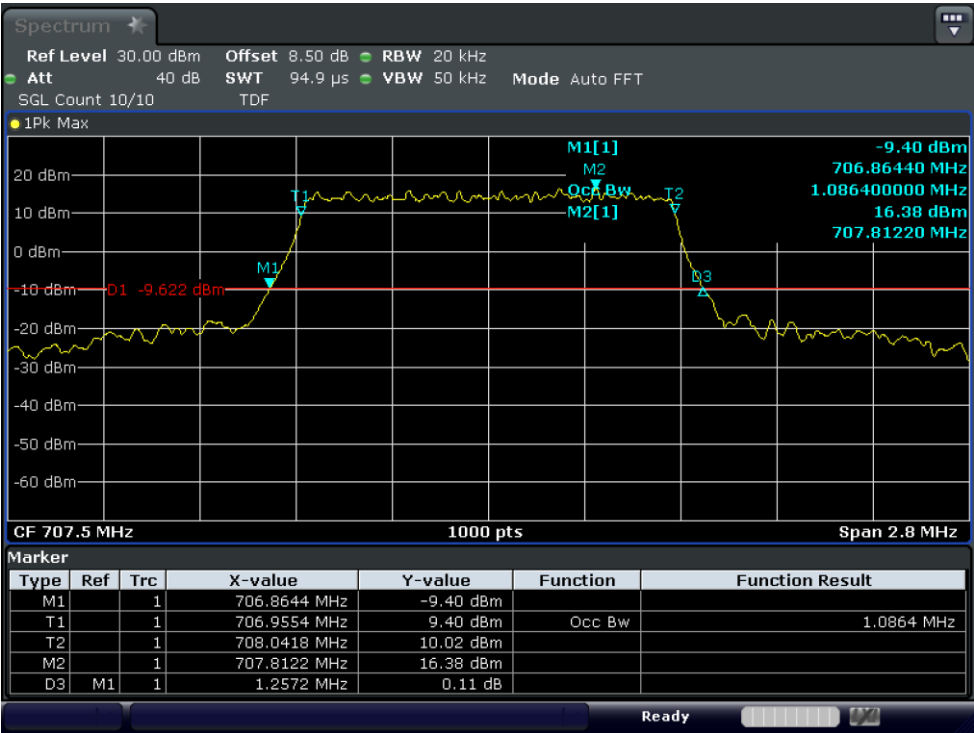


Test_Graph_band12_699.7MHz_1.4M_16QAM_6RB#LOW_OBW&EBW

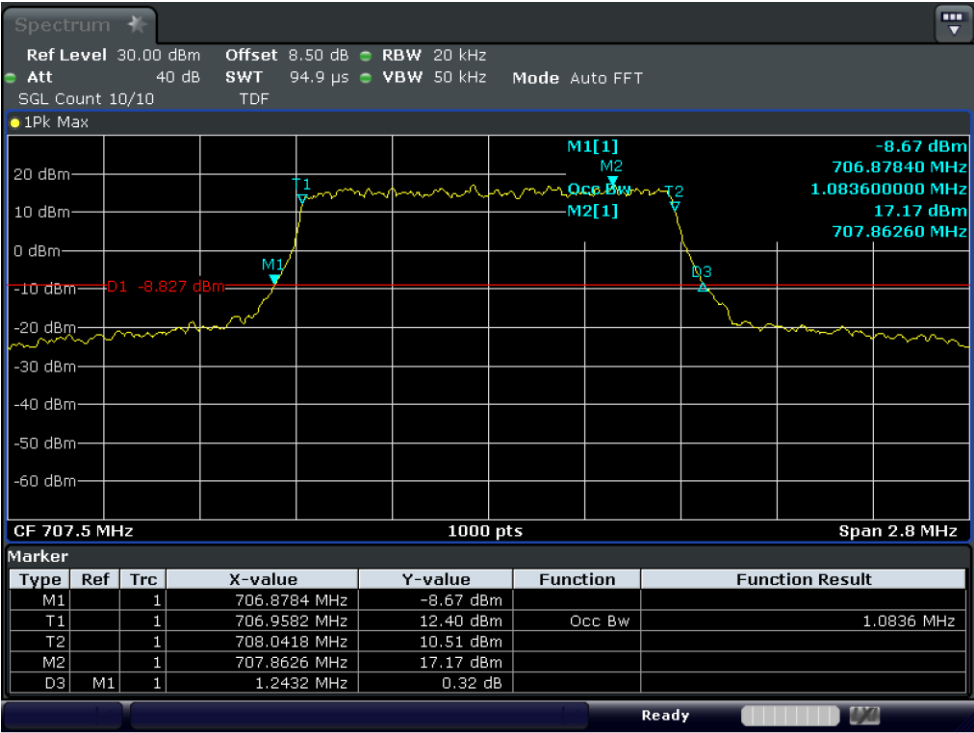


Test_Graph_band12_699.7MHz_1.4M_QPSK_6RB#LOW_OBW&EBW

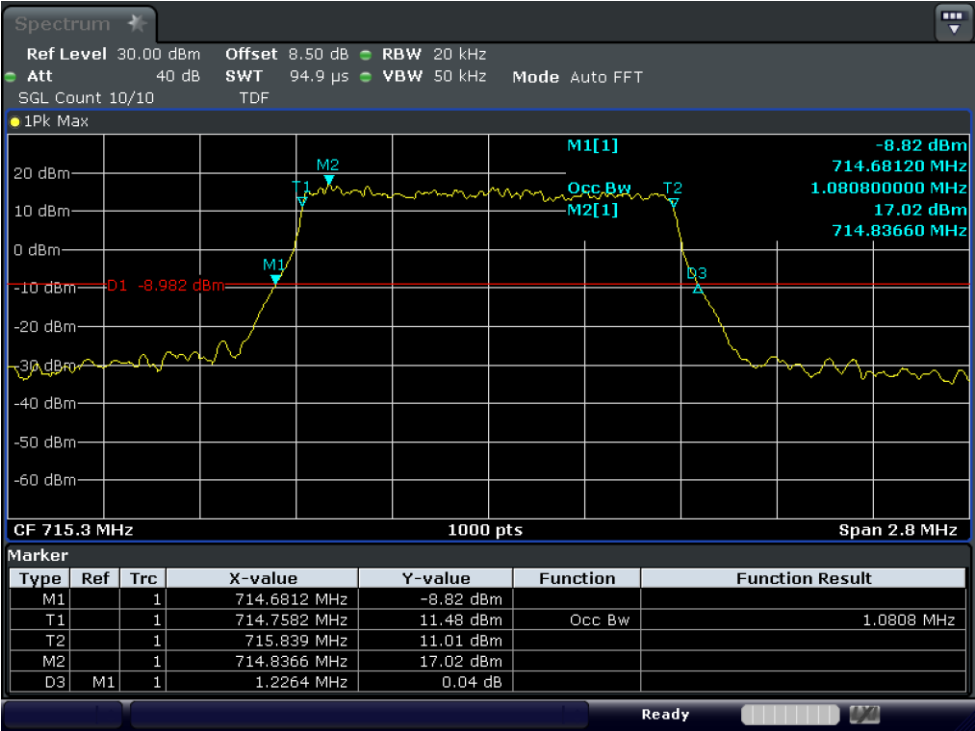




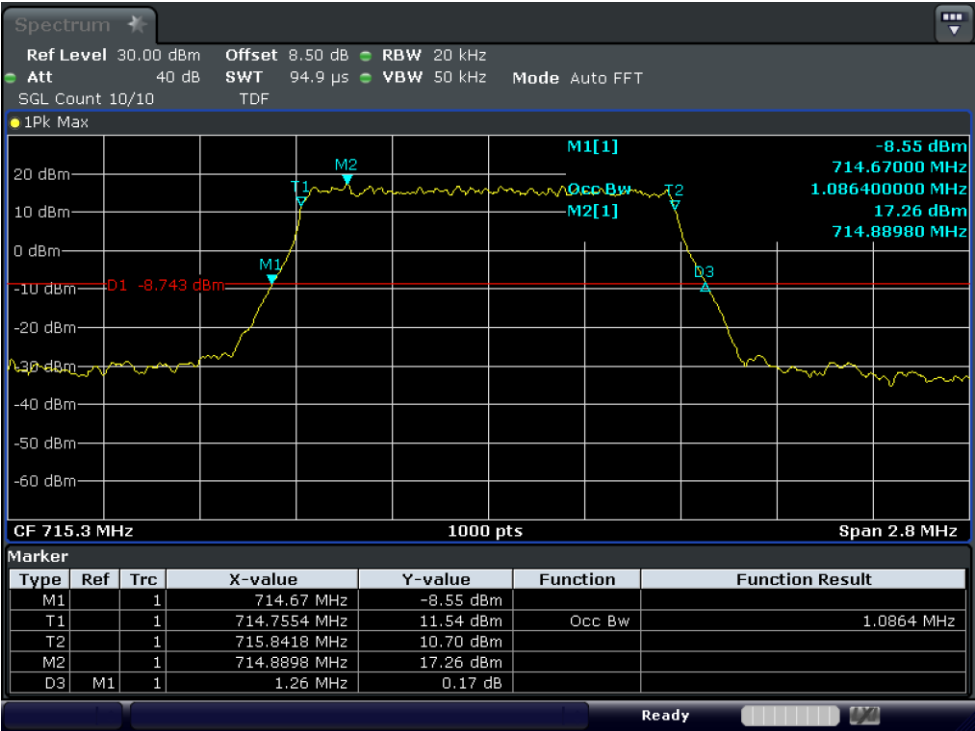
Test_Graph_band12_707.5MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



Test_Graph_band12_707.5MHz_1.4M_QPSK_6RB#LOW_OBW&EBW

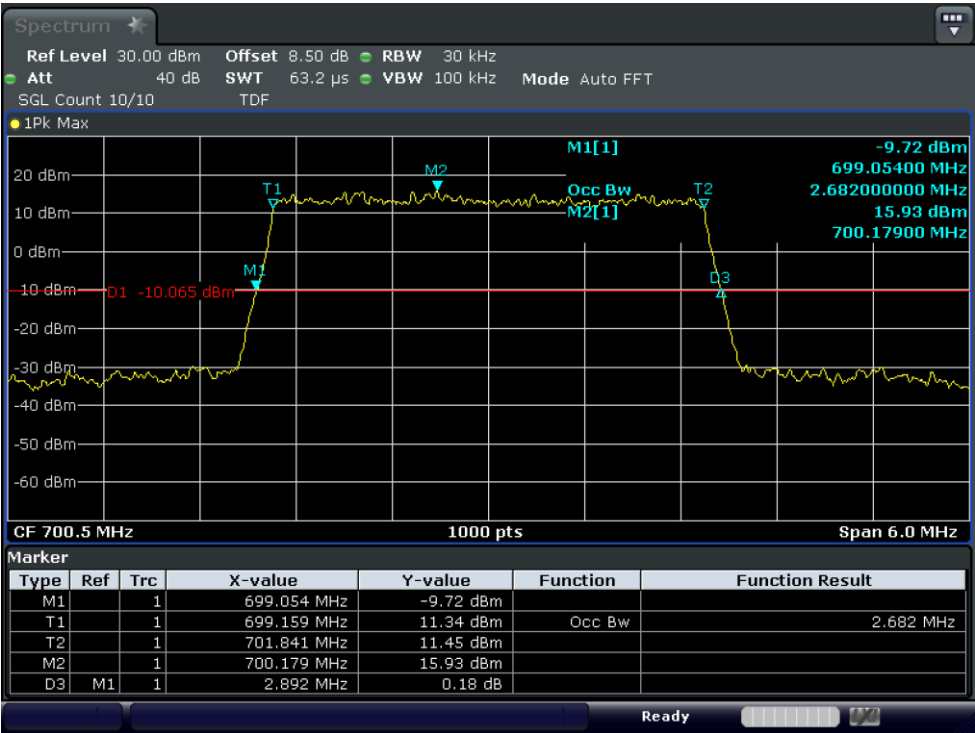


Test_Graph_band12_715.3MHz_1.4M_16QAM_6RB#LOW_OBW&EBW

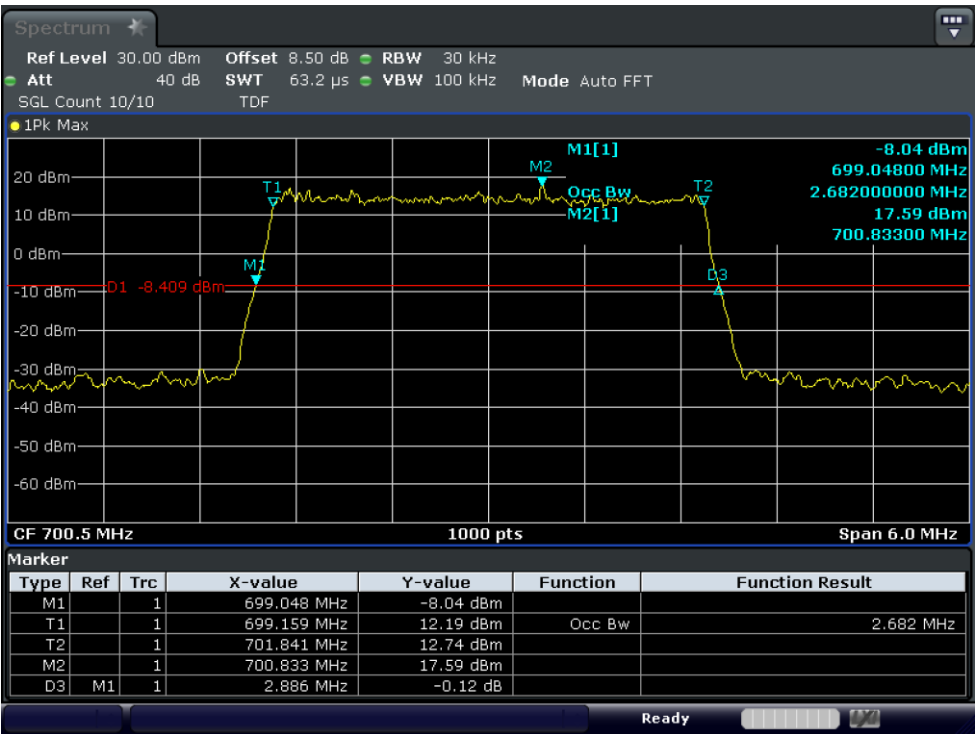


Test_Graph_band12_715.3MHz_1.4M_QPSK_6RB#LOW_OBW&EBW

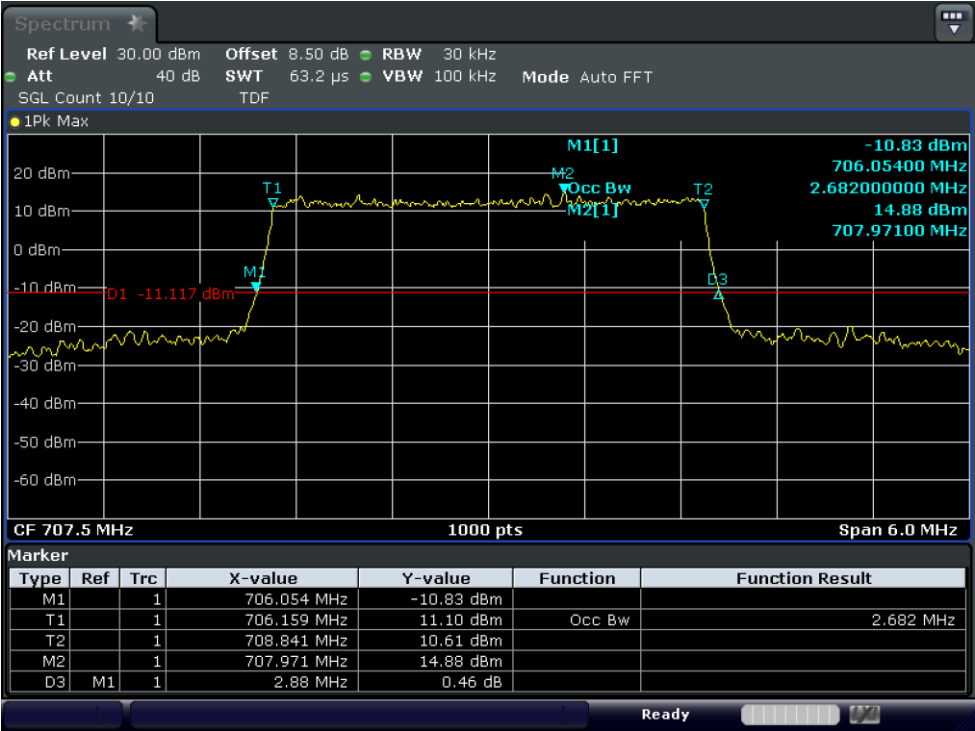




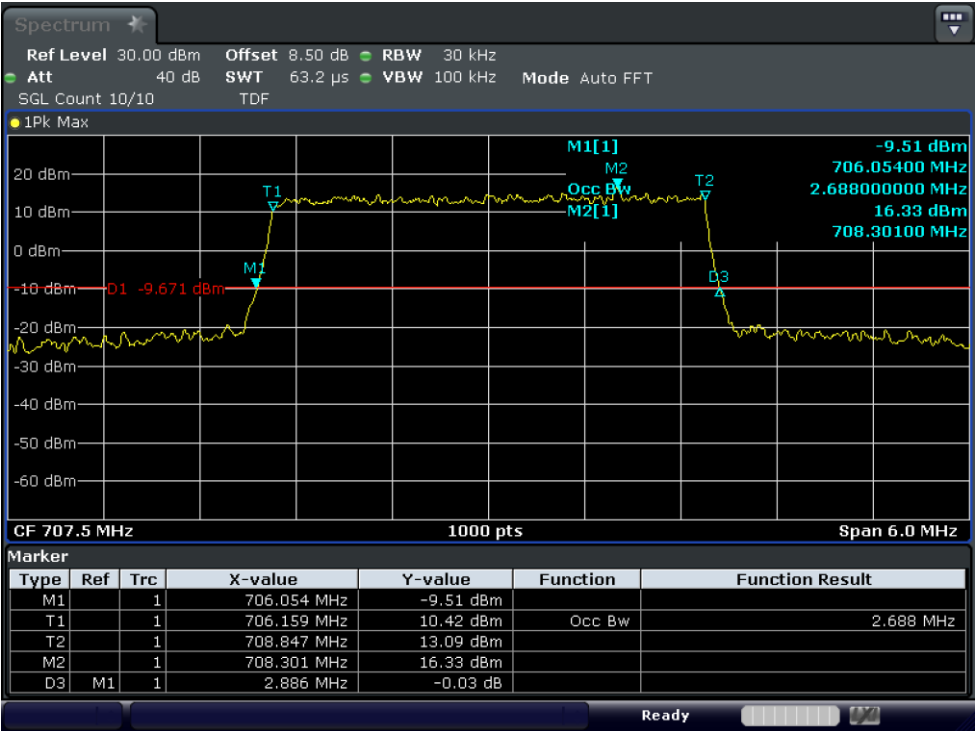
Test_Graph_band12_700.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



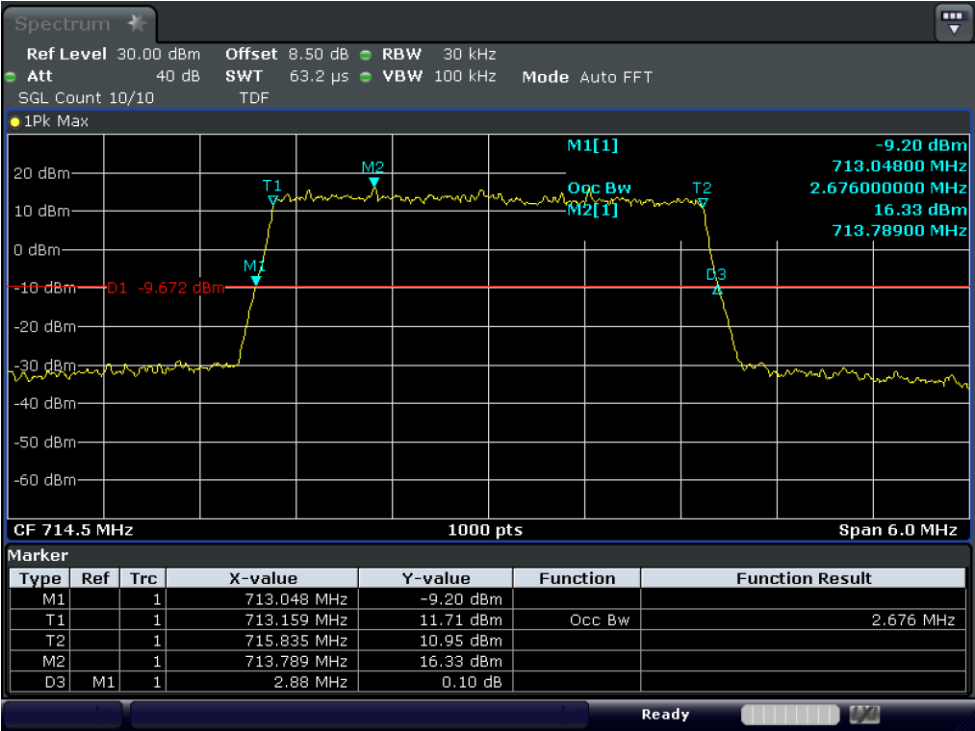
Test_Graph_band12_700.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



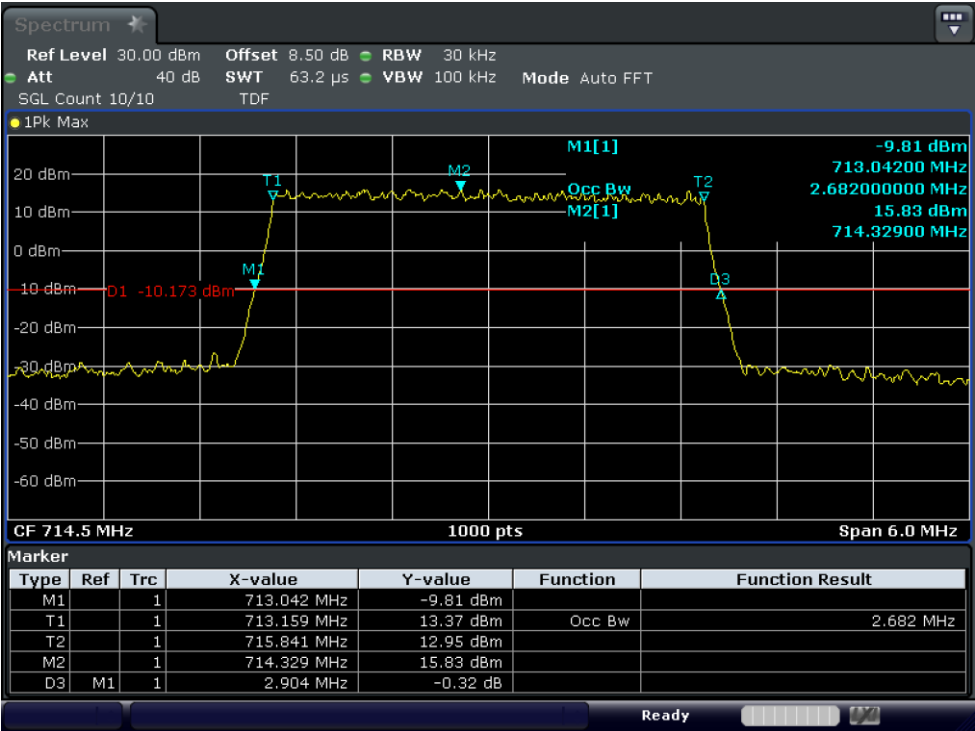
Test_Graph_band12_707.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



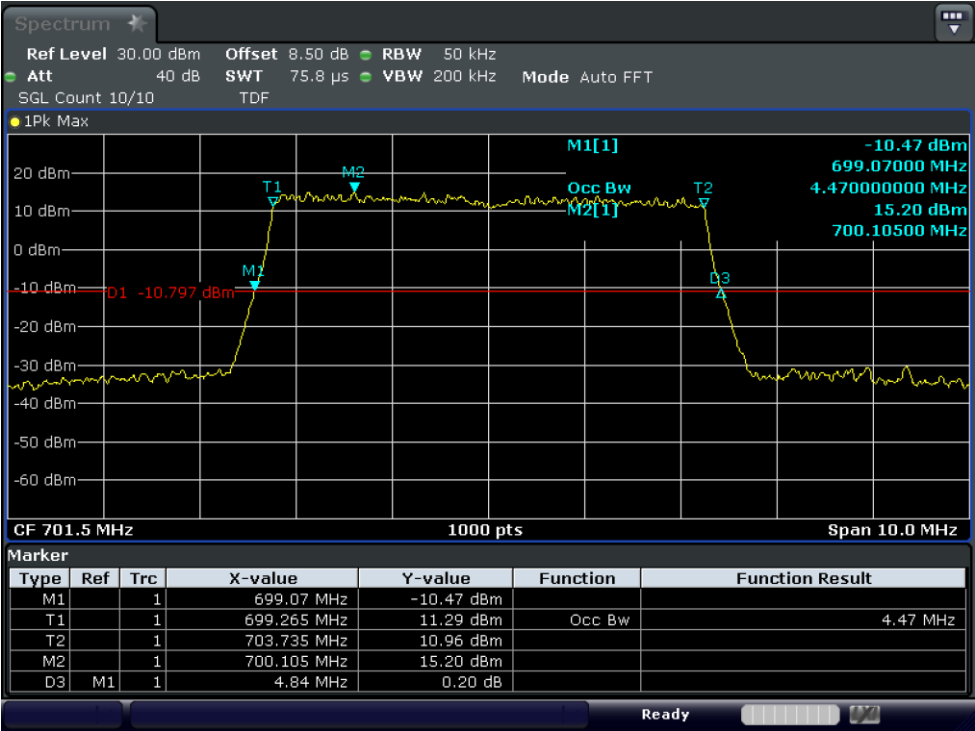
Test_Graph_band12_707.5MHz_3M_QPSK_15RB#LOW_OBW&EBW



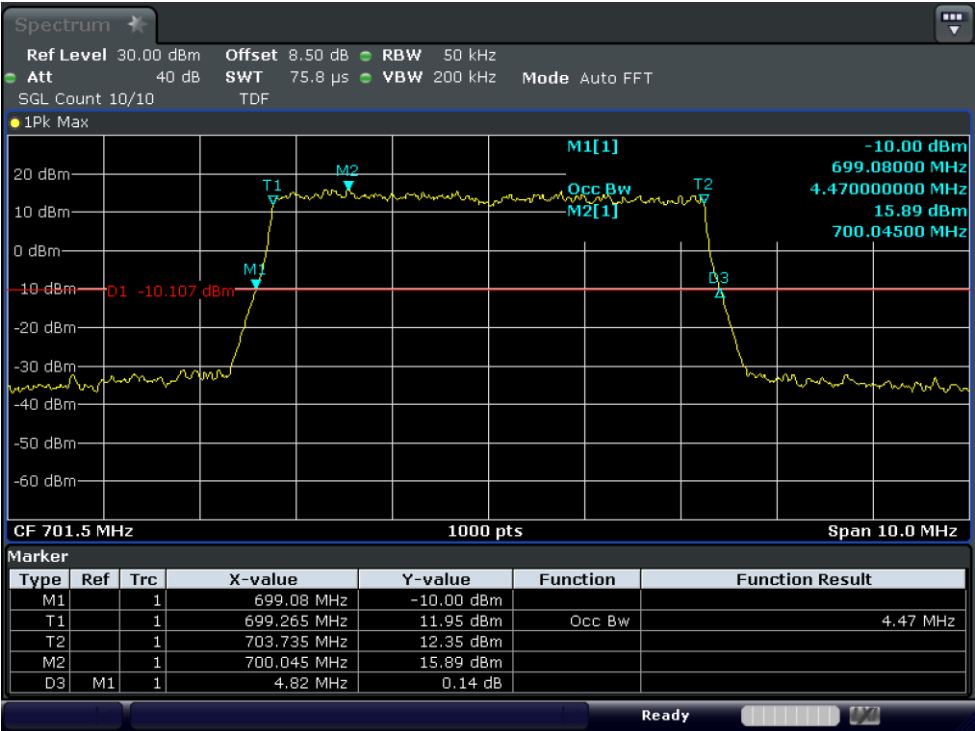
Test_Graph_band12_714.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



Test_Graph_band12_714.5MHz_3M_QPSK_15RB#LOW_OBW&EBW

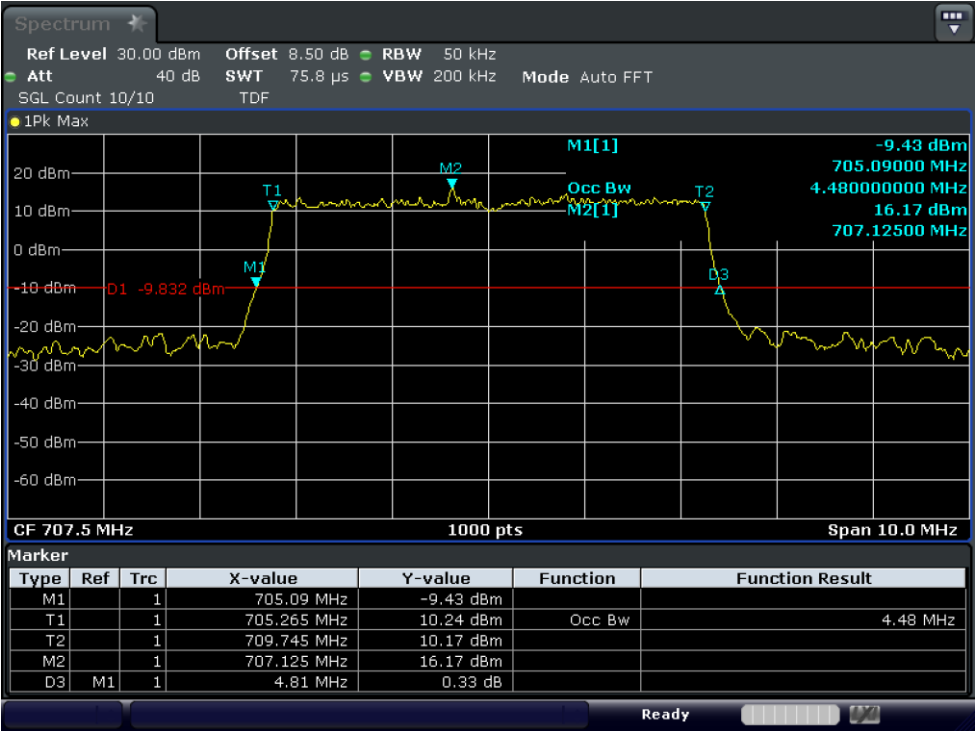


Test_Graph_band12_701.5MHz_5M_16QAM_25RB#LOW_OBW&EBW

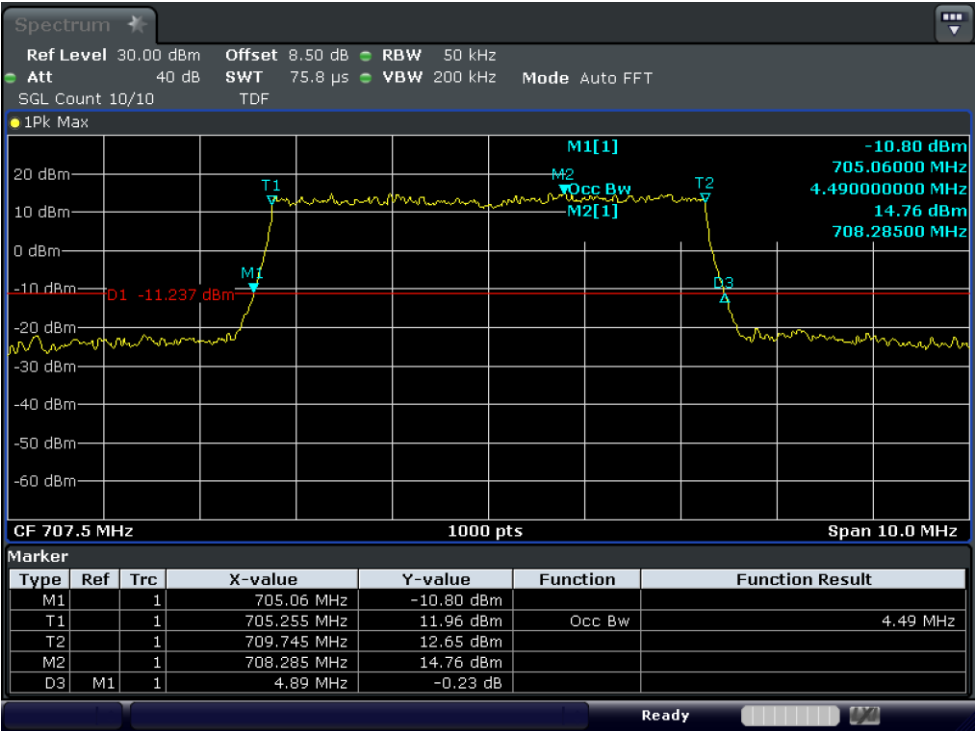


Test_Graph_band12_701.5MHz_5M_QPSK_25RB#LOW_OBW&EBW

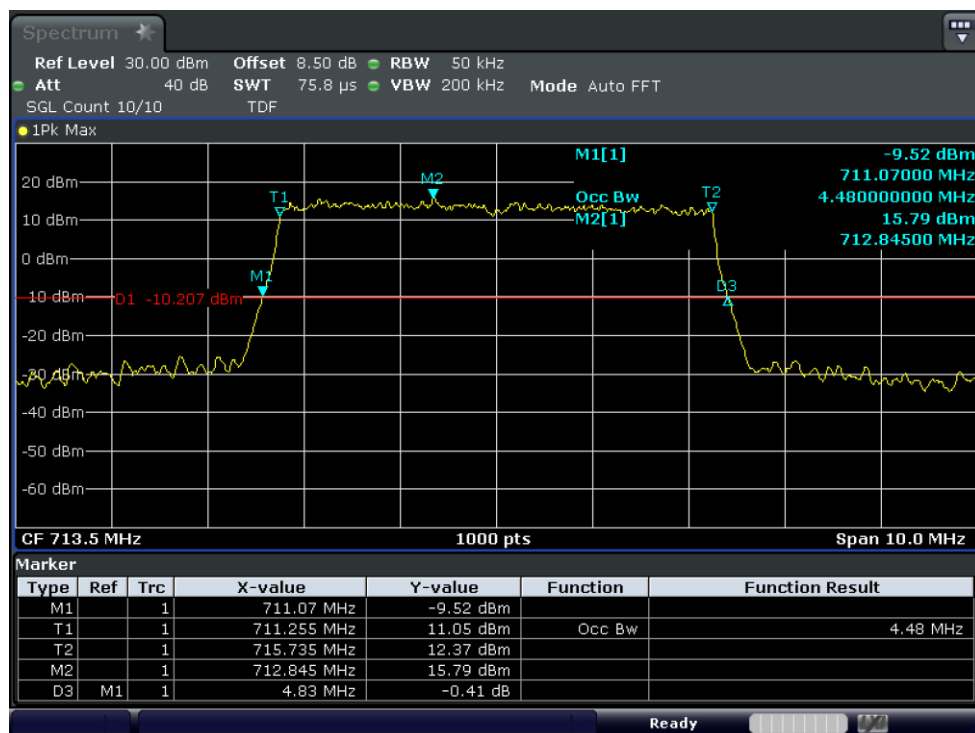




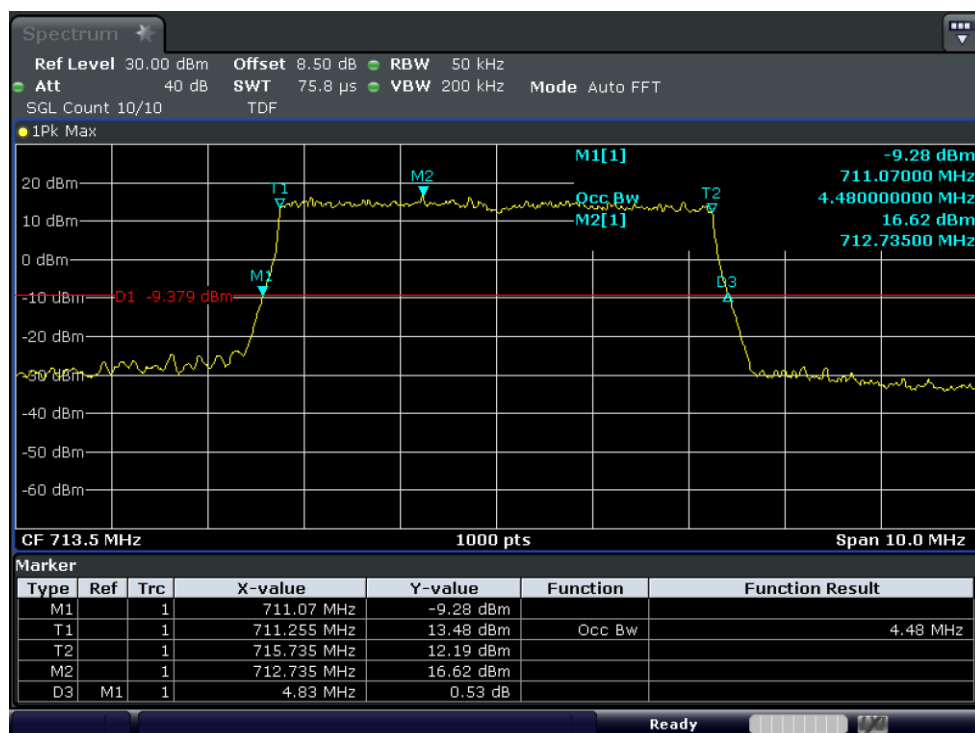
Test_Graph_band12_707.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



Test_Graph_band12_707.5MHz_5M_QPSK_25RB#LOW_OBW&EBW

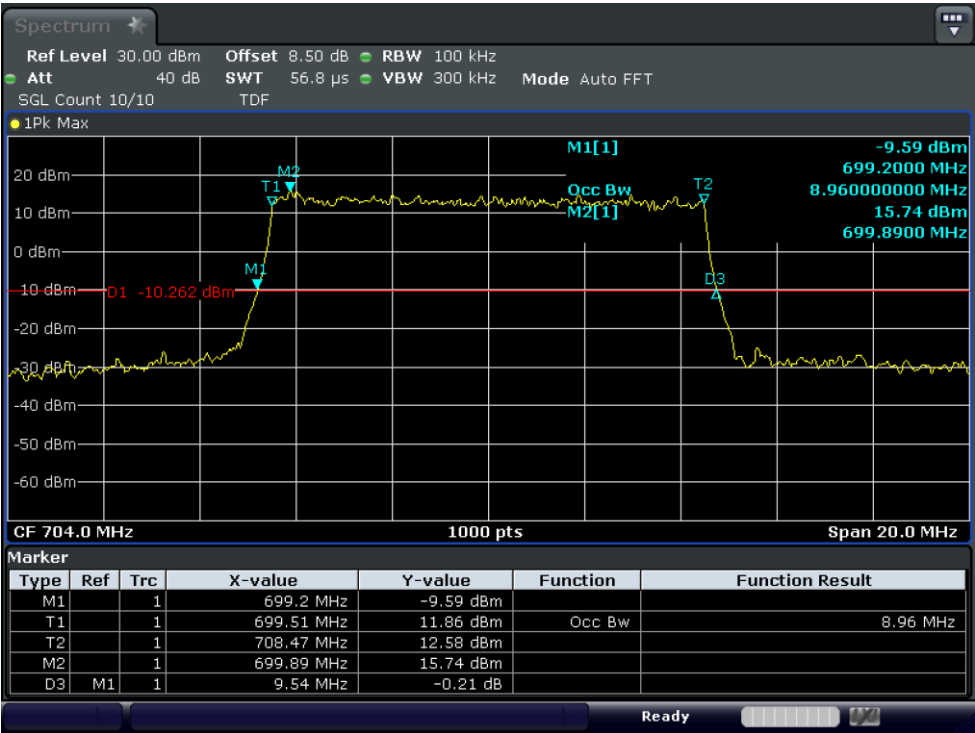


Test_Graph_band12_713.5MHz_5M_16QAM_25RB#LOW_OBW&EBW

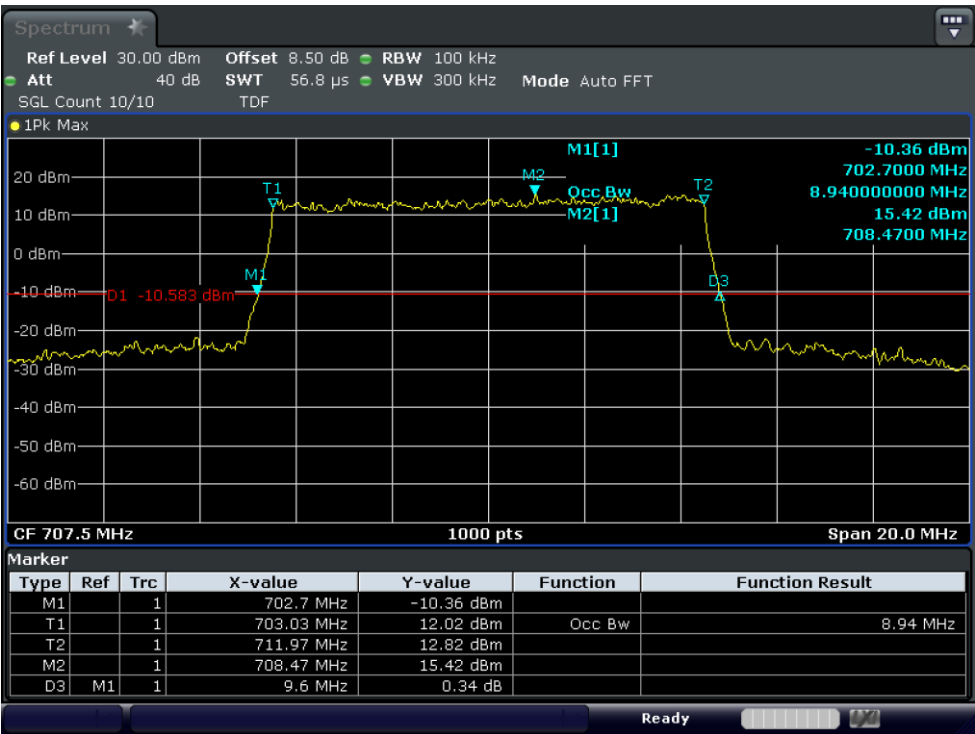


Test_Graph_band12_713.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



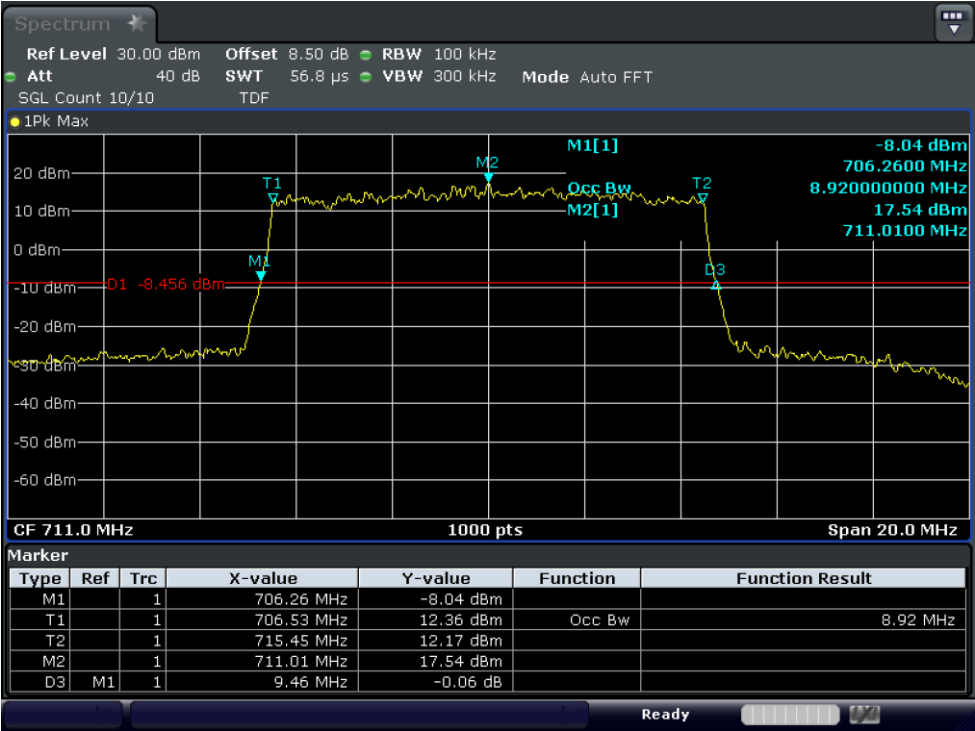


Test_Graph_band12_704MHz_10M_QPSK_50RB#LOW_OBW&EBW



Test_Graph_band12_707.5MHz_10M_QPSK_50RB#LOW_OBW&EBW





Test_Graph_band12_711MHz_10M_QPSK_50RB#LOW_OBW&EBW



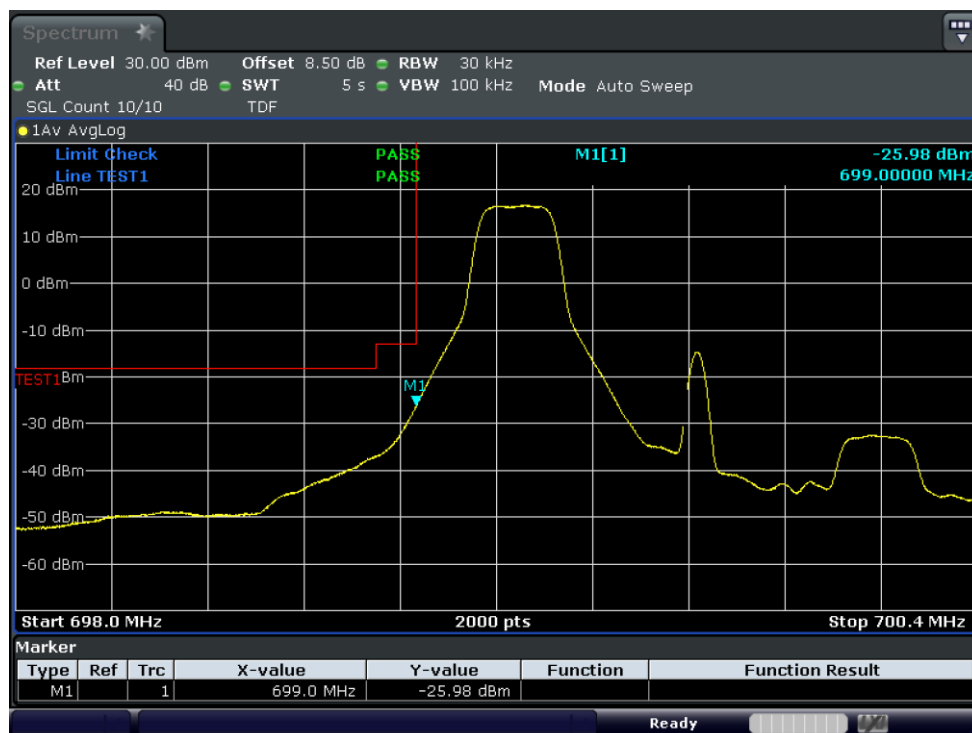
Appendix C: Band edge emissions

Test Result

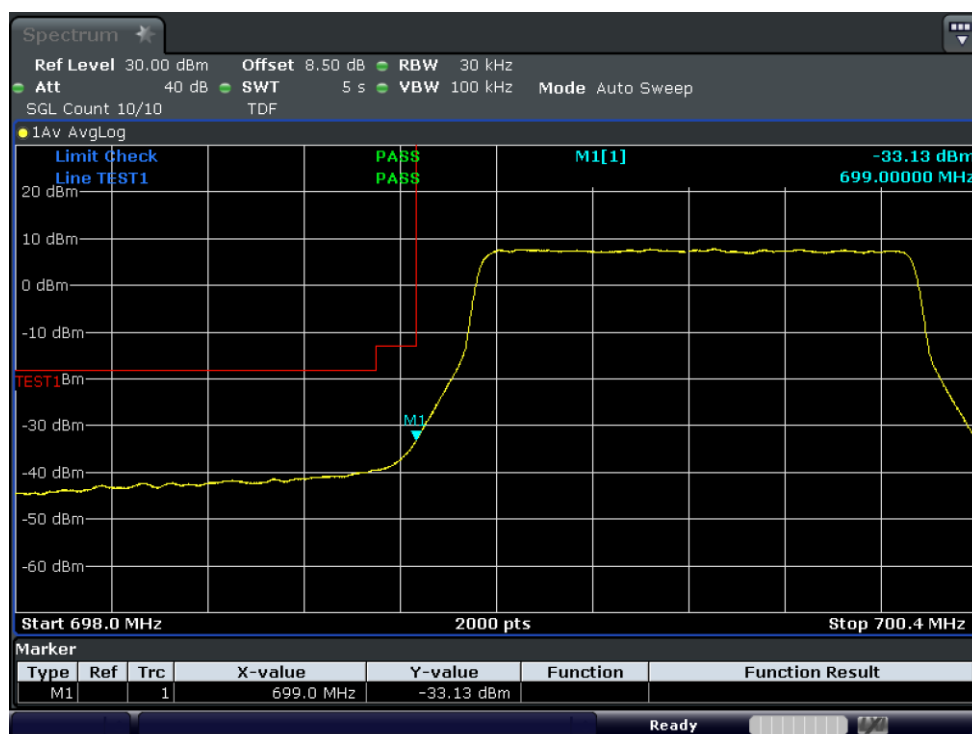
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
12	1.4	699.7	QPSK	1	LOW	Pass
12	1.4	699.7	QPSK	6	LOW	Pass
12	1.4	699.7	16QAM	1	LOW	Pass
12	1.4	699.7	16QAM	6	LOW	Pass
12	1.4	715.3	QPSK	1	HIGH	Pass
12	1.4	715.3	QPSK	6	LOW	Pass
12	1.4	715.3	16QAM	1	HIGH	Pass
12	1.4	715.3	16QAM	6	LOW	Pass
12	3	700.5	QPSK	1	LOW	Pass
12	3	700.5	QPSK	15	LOW	Pass
12	3	700.5	16QAM	1	LOW	Pass
12	3	700.5	16QAM	15	LOW	Pass
12	3	714.5	QPSK	1	HIGH	Pass
12	3	714.5	QPSK	15	LOW	Pass
12	3	714.5	16QAM	1	HIGH	Pass
12	3	714.5	16QAM	15	LOW	Pass
12	5	701.5	QPSK	1	LOW	Pass
12	5	701.5	QPSK	25	LOW	Pass
12	5	701.5	16QAM	1	LOW	Pass
12	5	701.5	16QAM	25	LOW	Pass
12	5	713.5	QPSK	1	HIGH	Pass
12	5	713.5	QPSK	25	LOW	Pass
12	5	713.5	16QAM	1	HIGH	Pass
12	5	713.5	16QAM	25	LOW	Pass
12	10	704	QPSK	1	LOW	Pass
12	10	704	QPSK	50	LOW	Pass
12	10	704	16QAM	1	LOW	Pass
12	10	711	QPSK	1	HIGH	Pass
12	10	711	QPSK	50	LOW	Pass
12	10	711	16QAM	1	HIGH	Pass



Test Graphs



Test_Graph_band12_699.7MHz_1.4M_16QAM_1RB#LOW_Band edge

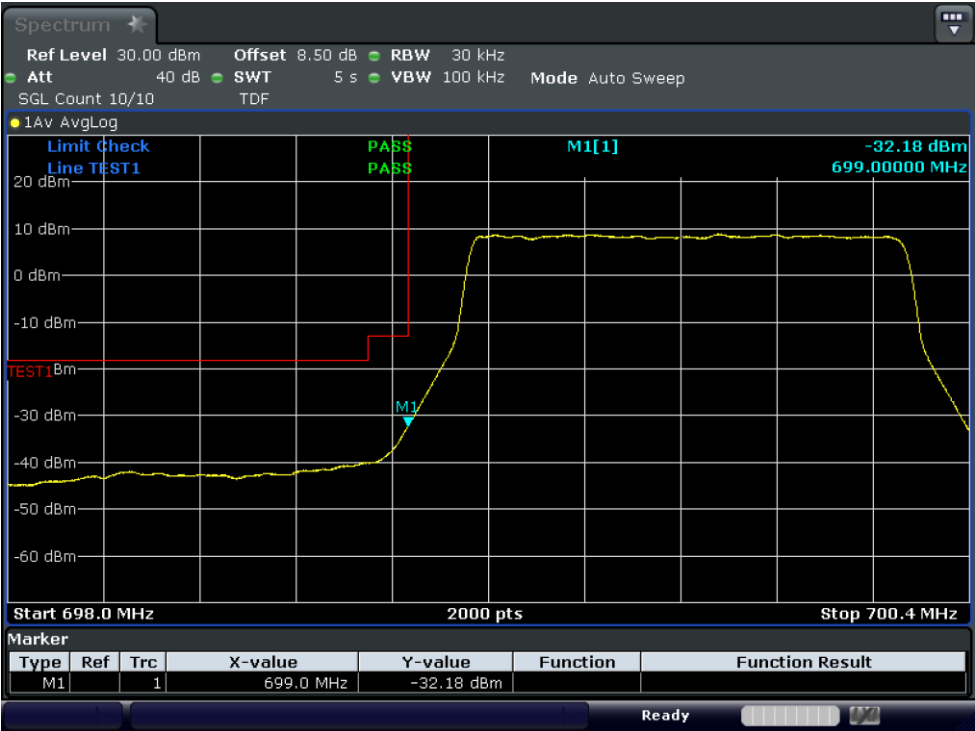


Test_Graph_band12_699.7MHz_1.4M_16QAM_6RB#LOW_Band edge





Test_Graph_band12_699.7MHz_1.4M_QPSK_1RB#LOW_Band edge

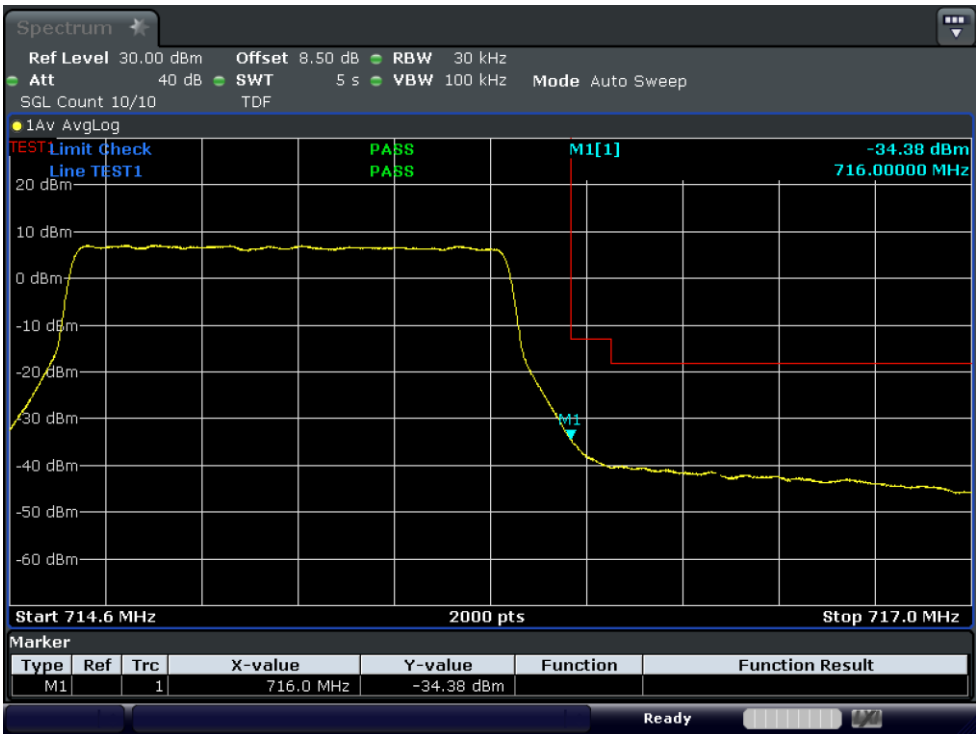


Test_Graph_band12_699.7MHz_1.4M_QPSK_6RB#LOW_Band edge





Test_Graph_band12_715.3MHz_1.4M_16QAM_1RB#HIGH_Band edge

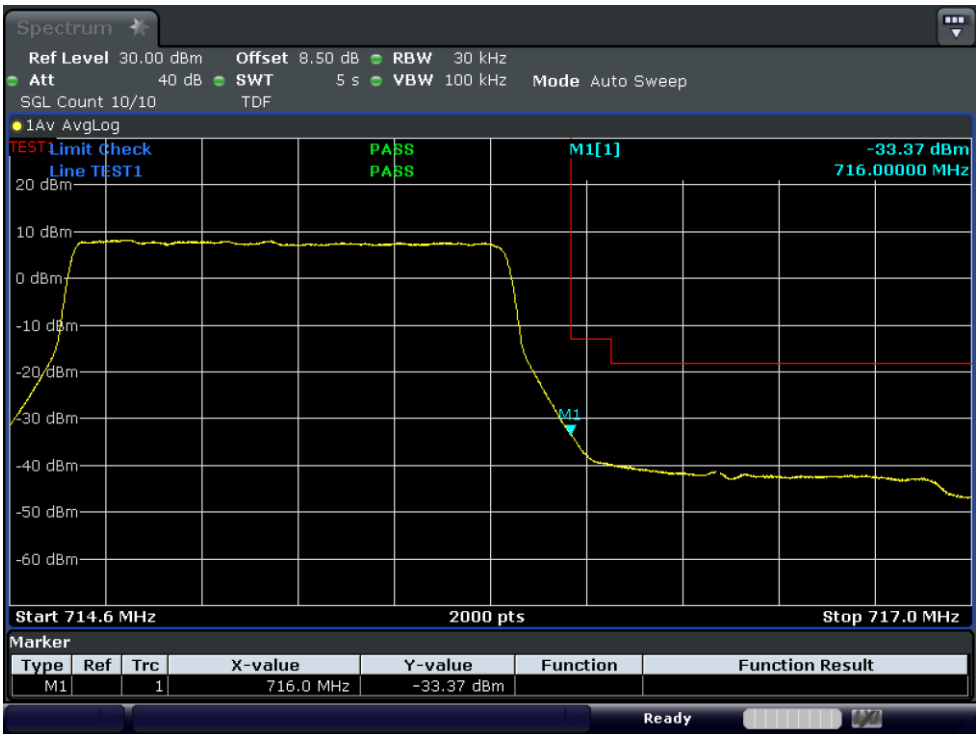


Test_Graph_band12_715.3MHz_1.4M_16QAM_6RB#LOW_Band edge



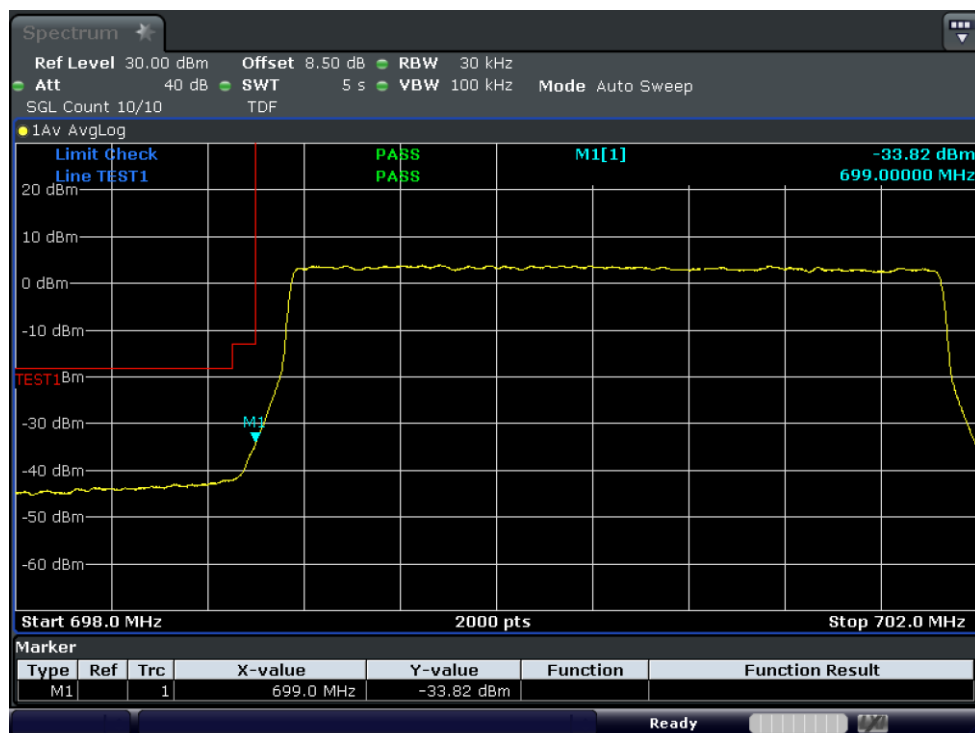


Test_Graph_band12_715.3MHz_1.4M_QPSK_1RB#HIGH_Band edge

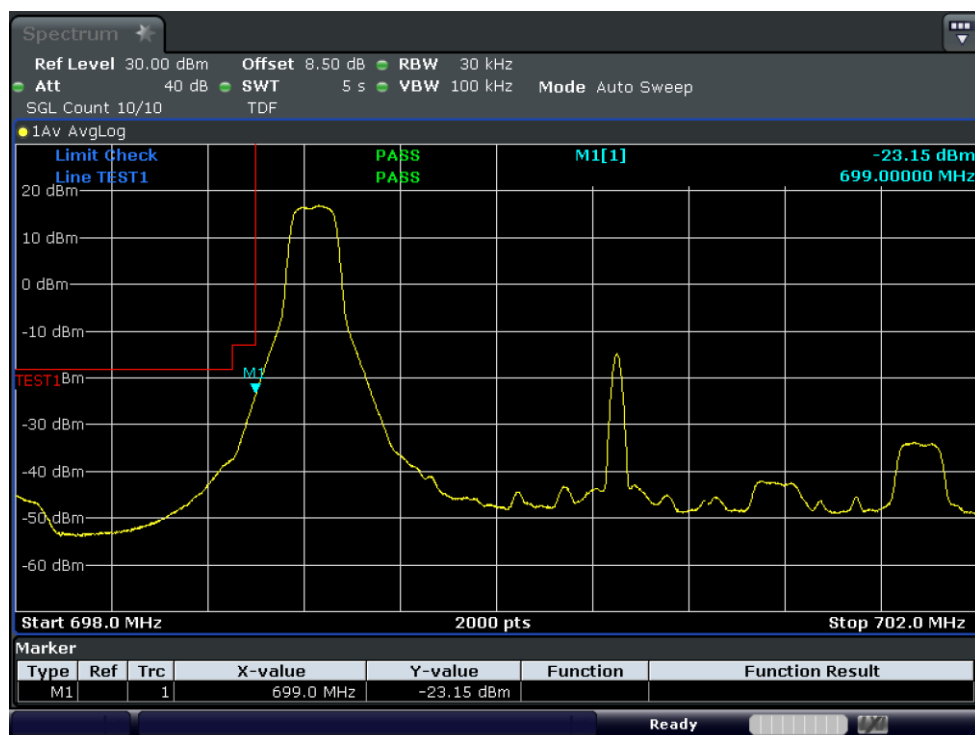


Test_Graph_band12_715.3MHz_1.4M_QPSK_6RB#LOW_Band edge



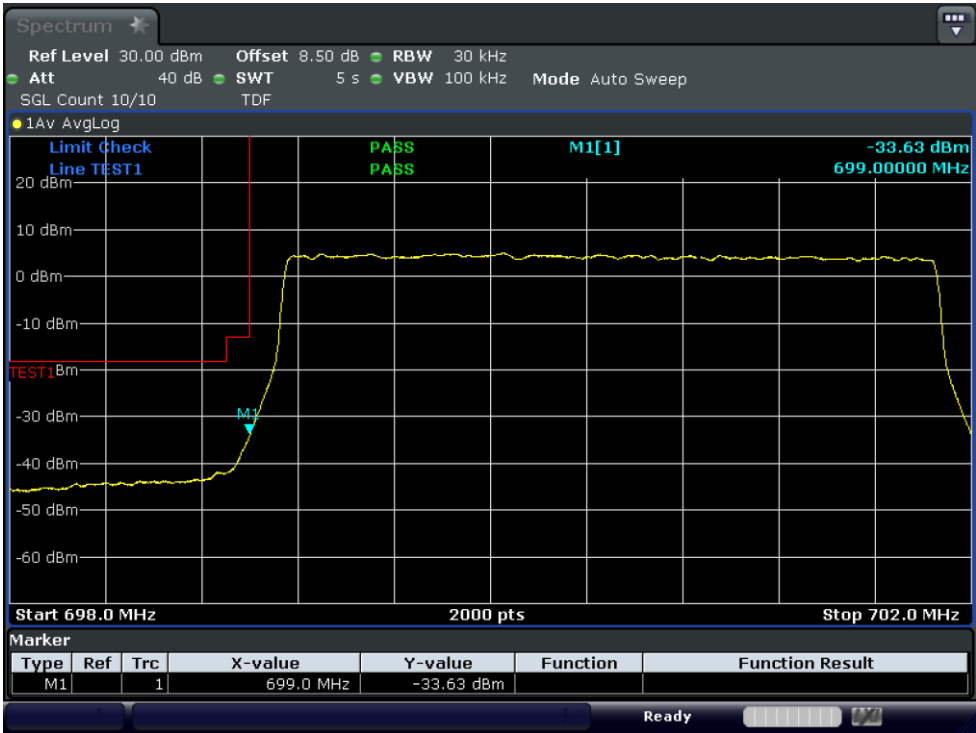


Test_Graph_band12_700.5MHz_3M_16QAM_15RB#LOW_Band edge

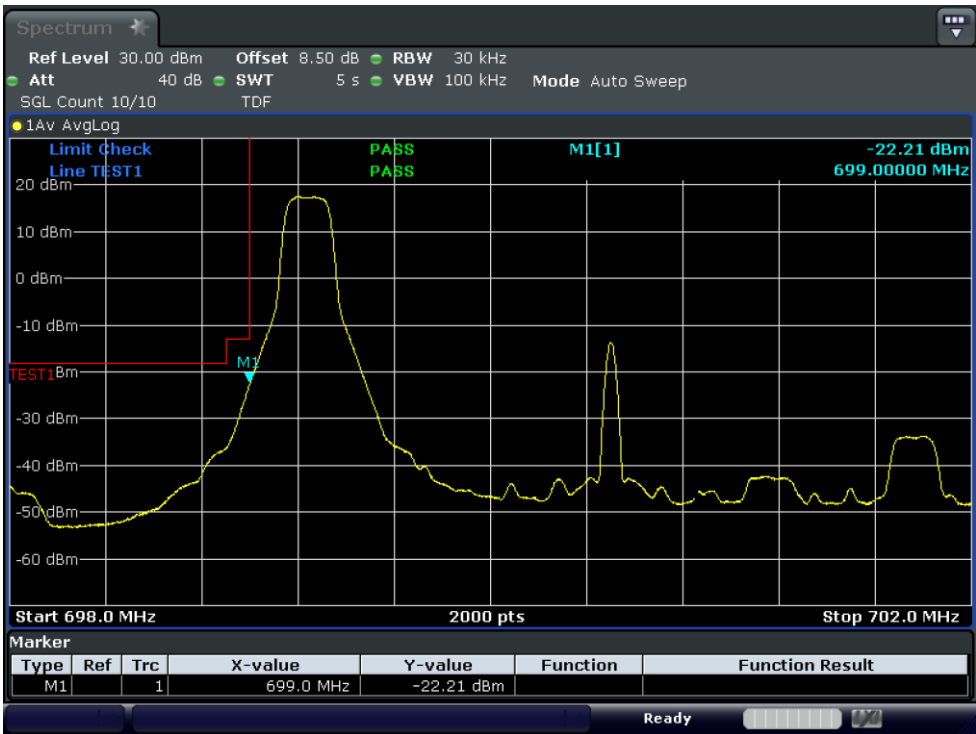


Test_Graph_band12_700.5MHz_3M_16QAM_1RB#LOW_Band edge





Test_Graph_band12_700.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band12_700.5MHz_3M_QPSK_1RB#LOW_Band edge



Test_Graph_band12_714.5MHz_3M_16QAM_15RB#LOW_Band edge



Test_Graph_band12_714.5MHz_3M_16QAM_1RB#HIGH_Band edge





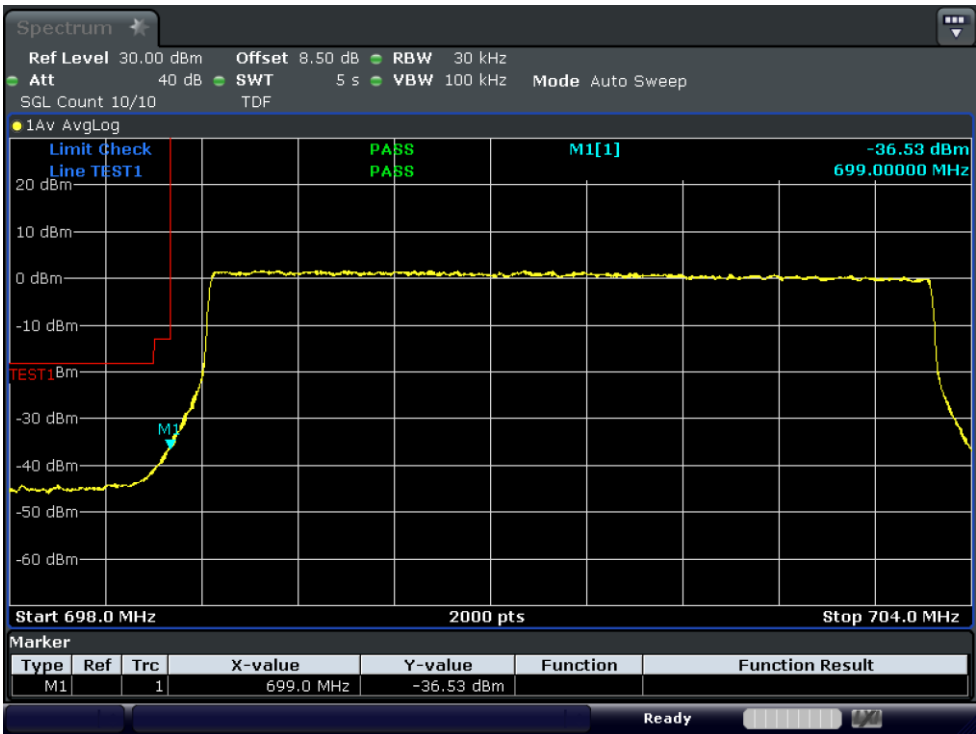
Test_Graph_band12_714.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band12_714.5MHz_3M_QPSK_1RB#HIGH_Band edge



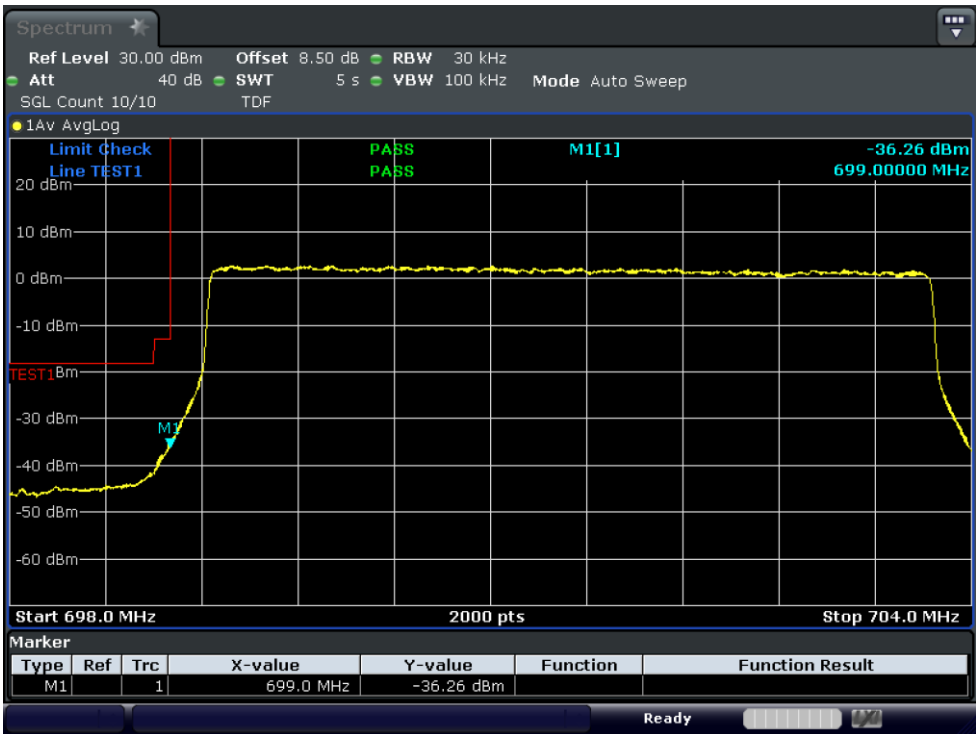
Test_Graph_band12_701.5MHz_5M_16QAM_1RB#LOW_Band edge



Test_Graph_band12_701.5MHz_5M_16QAM_25RB#LOW_Band edge

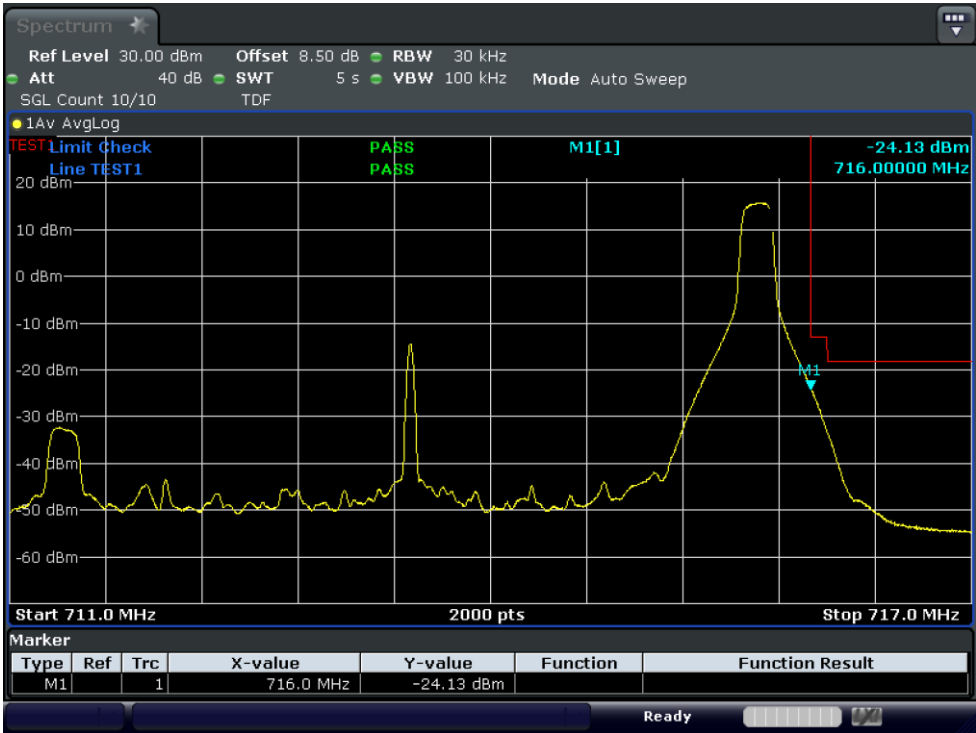


Test_Graph_band12_701.5MHz_5M_QPSK_1RB#LOW_Band edge

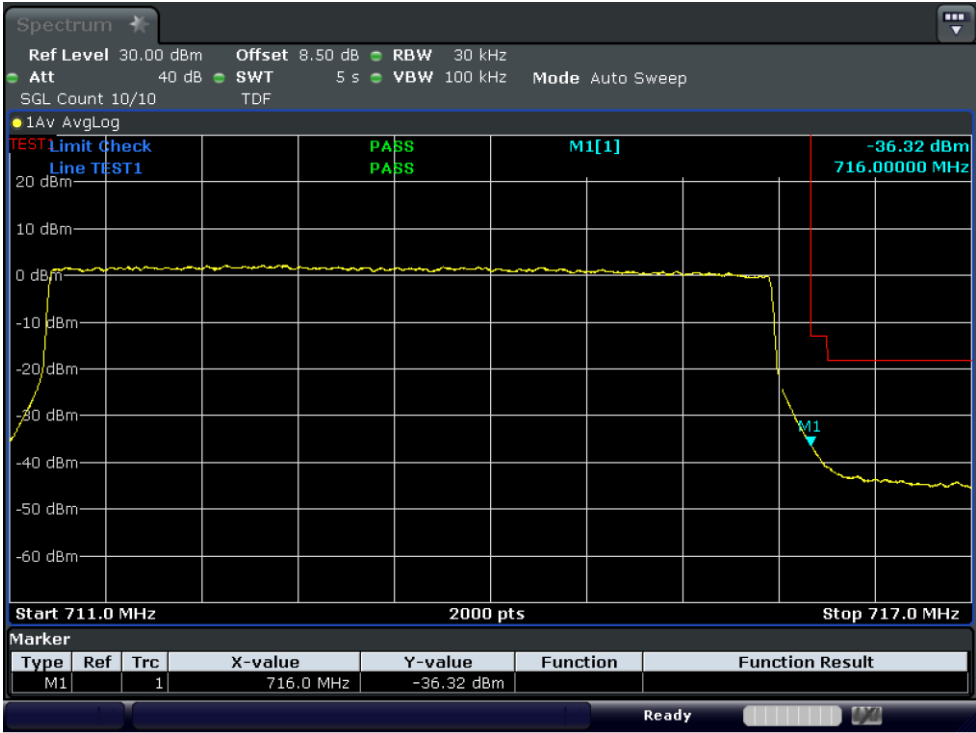


Test_Graph_band12_701.5MHz_5M_QPSK_25RB#LOW_Band edge

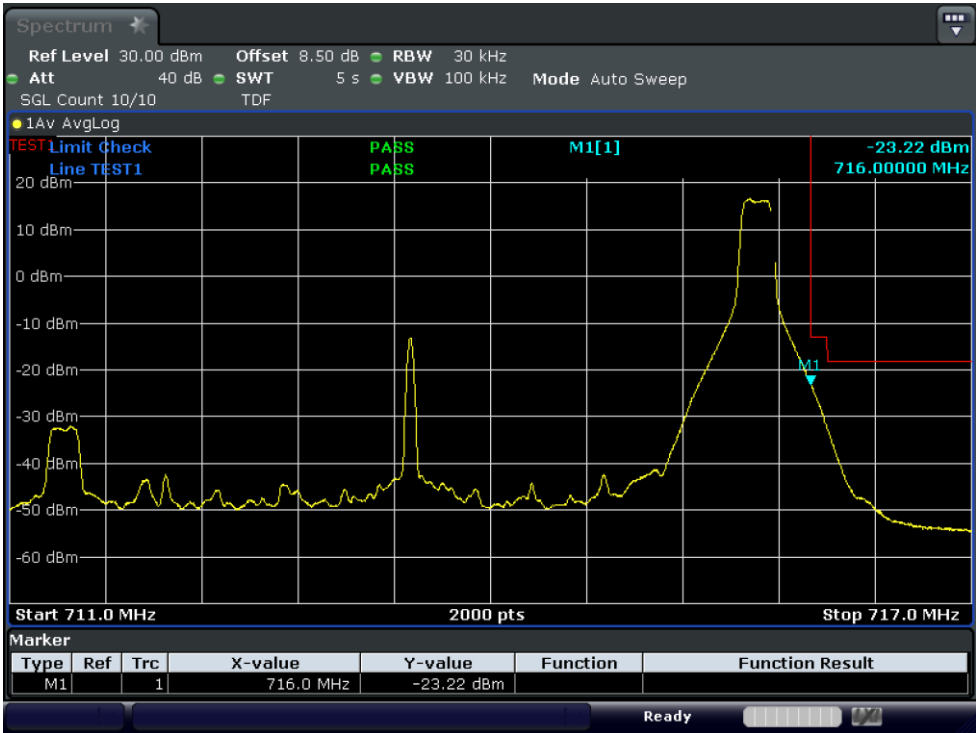




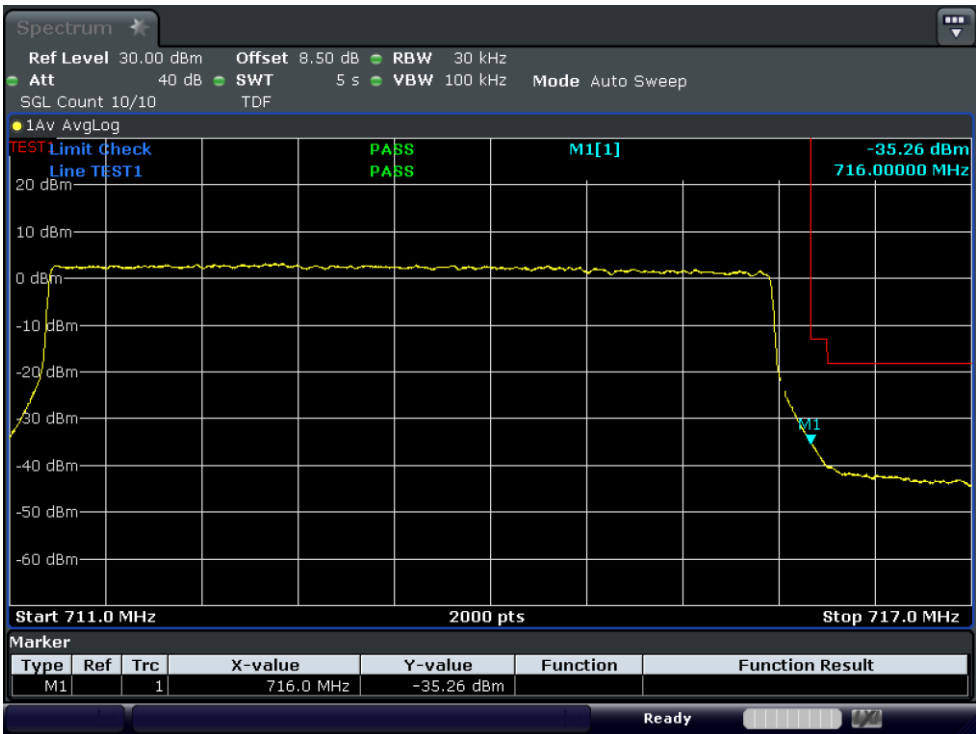
Test_Graph_band12_713.5MHz_5M_16QAM_1RB#HIGH_Band edge



Test_Graph_band12_713.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band12_713.5MHz_5M_QPSK_1RB#HIGH_Band edge



Test_Graph_band12_713.5MHz_5M_QPSK_25RB#LOW_Band edge



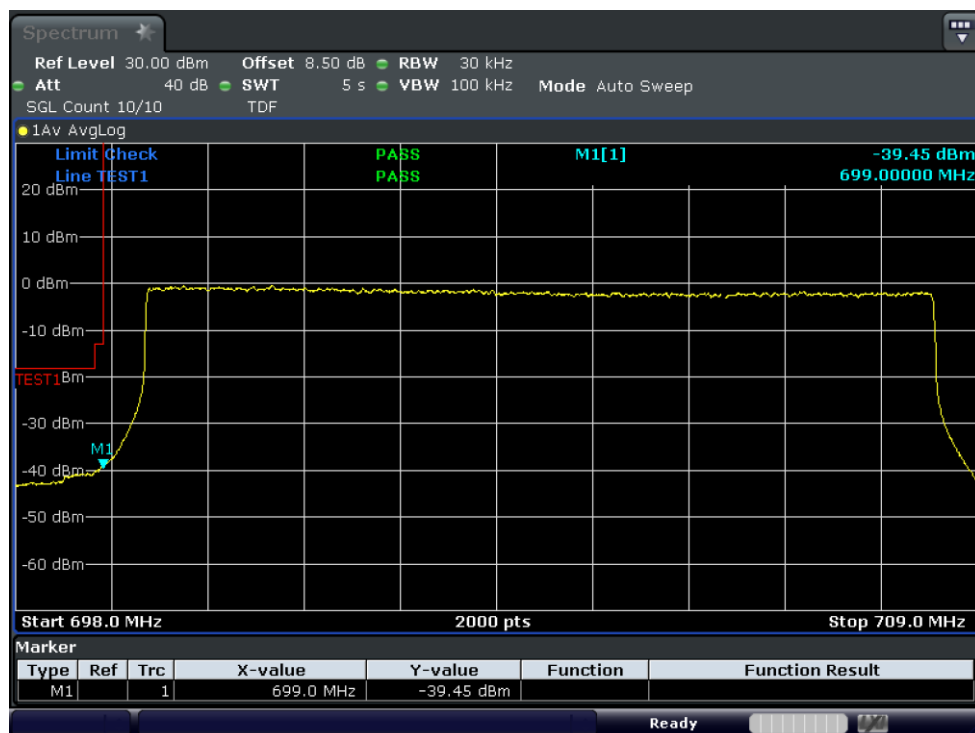


Test_Graph_band12_704MHz_10M_16QAM_1RB#LOW_Band edge



Test_Graph_band12_704MHz_10M_QPSK_1RB#LOW_Band edge





Test_Graph_band12_704MHz_10M_QPSK_50RB#LOW_Band edge

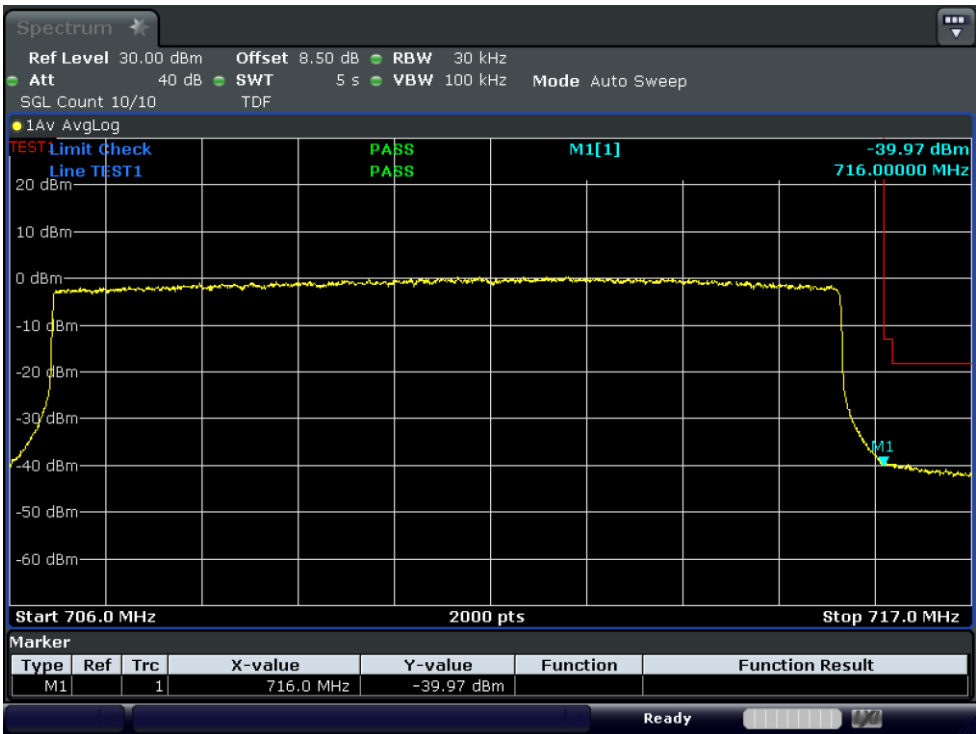


Test_Graph_band12_711MHz_10M_16QAM_1RB#HIGH_Band edge





Test_Graph_band12_711MHz_10M_QPSK_1RB#HIGH_Band edge



Test_Graph_band12_711MHz_10M_QPSK_50RB#LOW_Band edge





Appendix D: Unwanted spurious emissions at antenna terminals

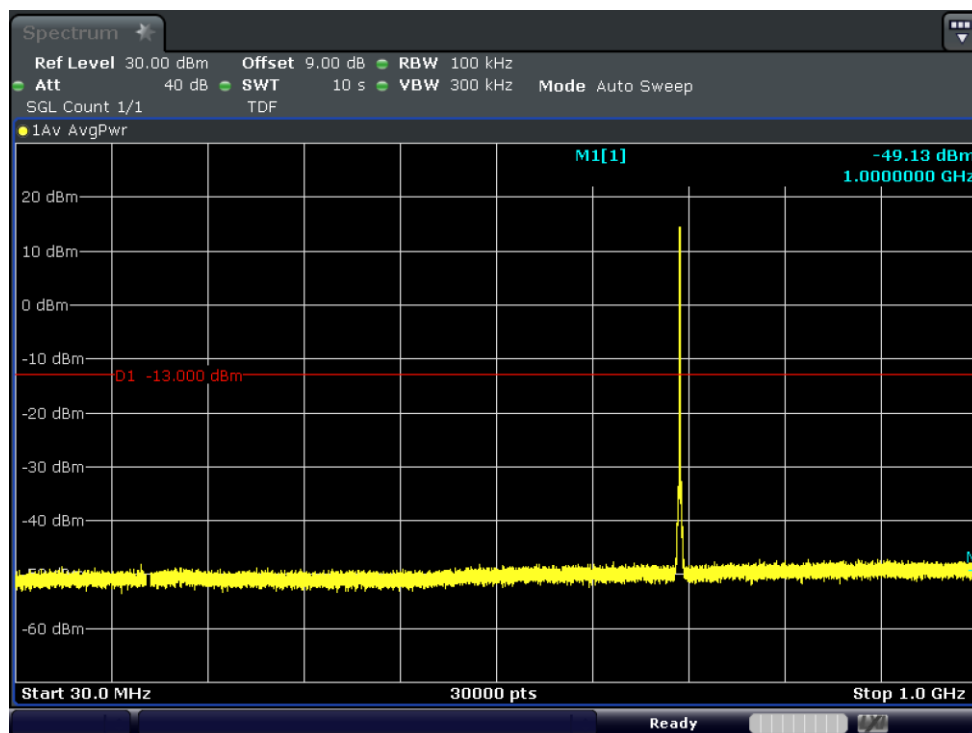
Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
12	1.4	699.7	QPSK	6	LOW	Pass
12	1.4	707.5	QPSK	6	LOW	Pass
12	1.4	715.3	QPSK	6	LOW	Pass
12	3	700.5	QPSK	15	LOW	Pass
12	3	707.5	QPSK	15	LOW	Pass
12	3	714.5	QPSK	15	LOW	Pass
12	5	701.5	QPSK	25	LOW	Pass
12	5	707.5	QPSK	25	LOW	Pass
12	5	713.5	QPSK	25	LOW	Pass
12	10	704	QPSK	50	LOW	Pass
12	10	707.5	QPSK	50	LOW	Pass
12	10	711	QPSK	50	LOW	Pass

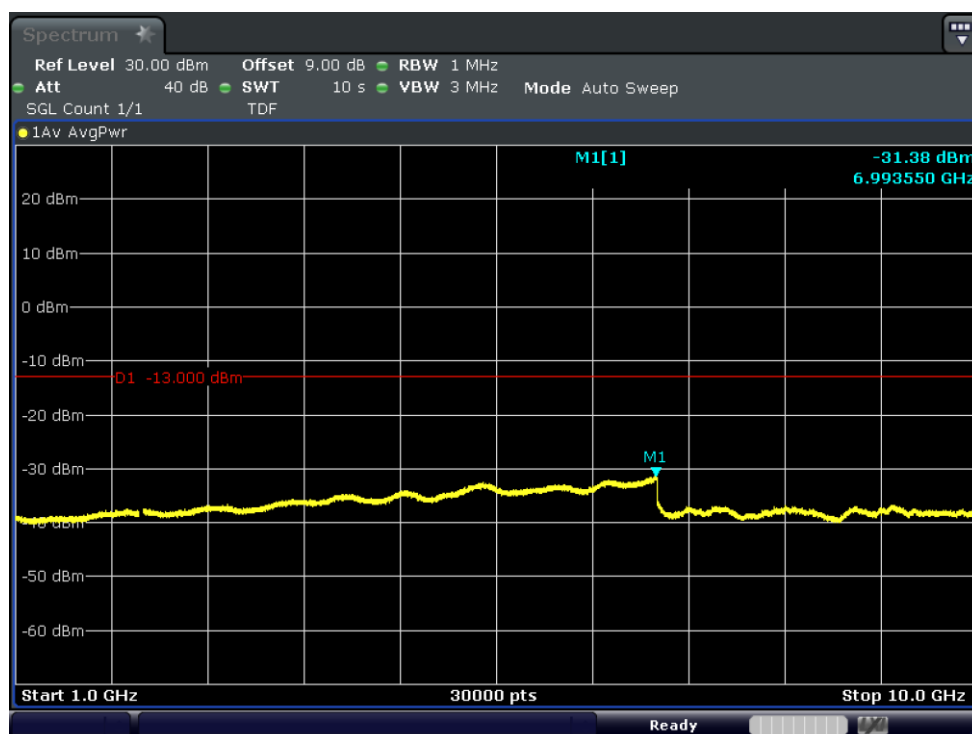
Note: Both QPSK and 16QAM modulation modes were tested. Since the QPSK mode produced the worst-case results, only the corresponding QPSK test results are included in this report.



Test Graphs

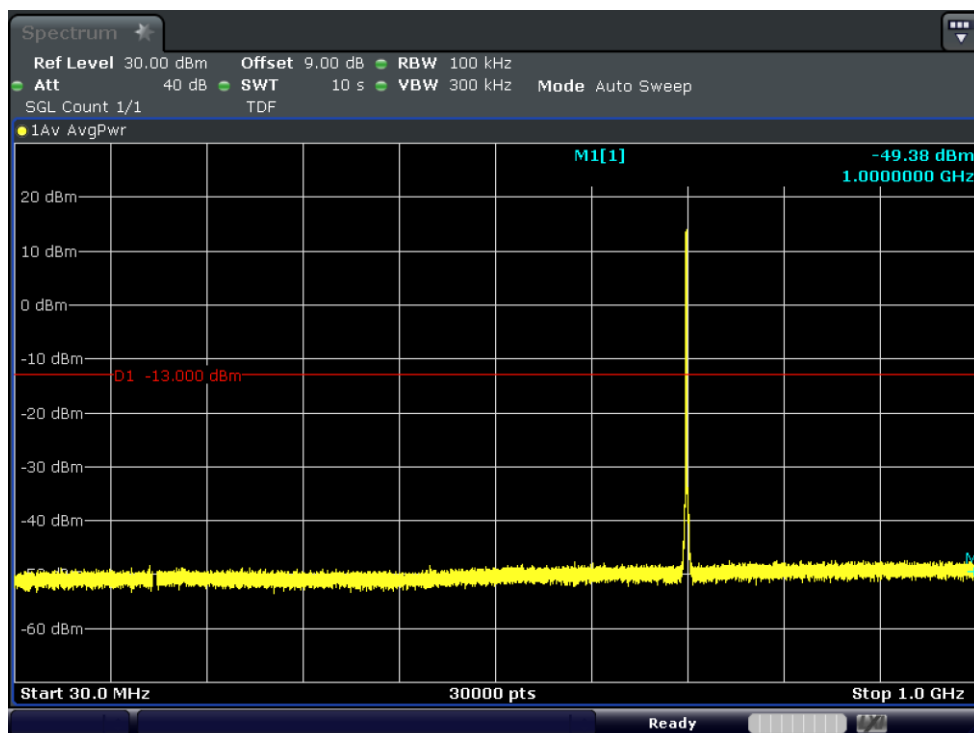


Test_Graph_band12_699.7MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX

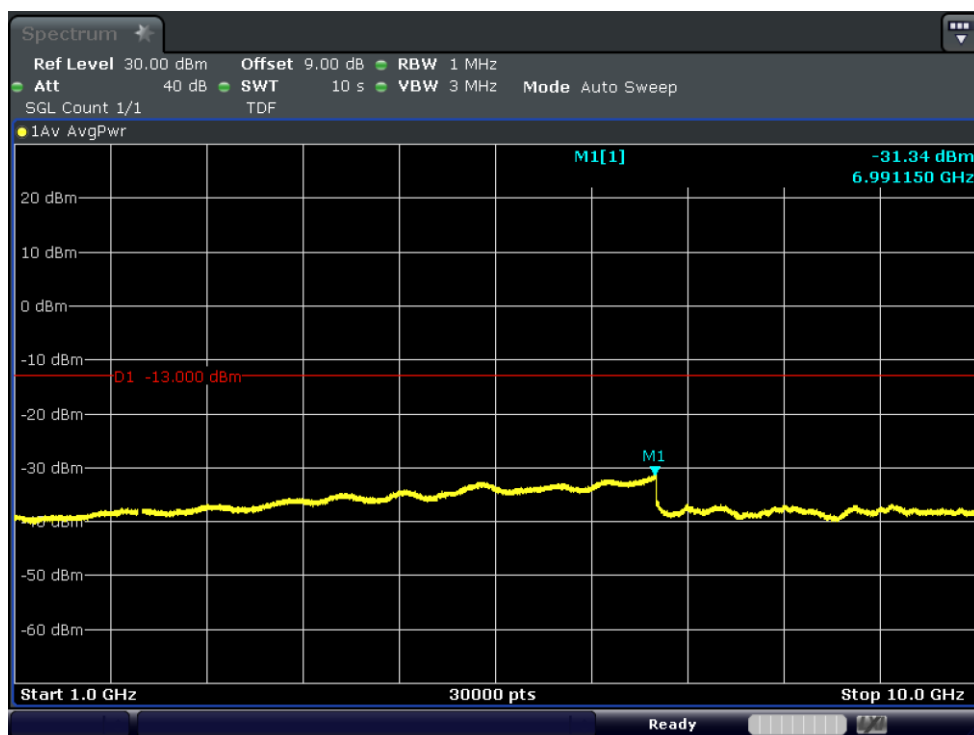


Test_Graph_band12_699.7MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



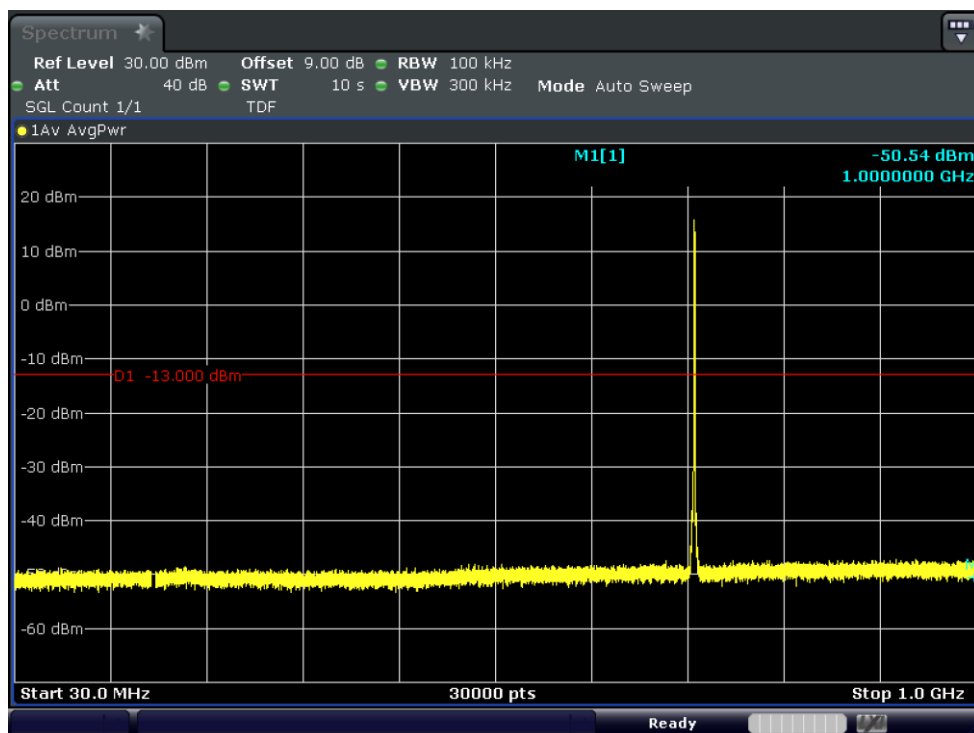


Test_Graph_band12_707.5MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX

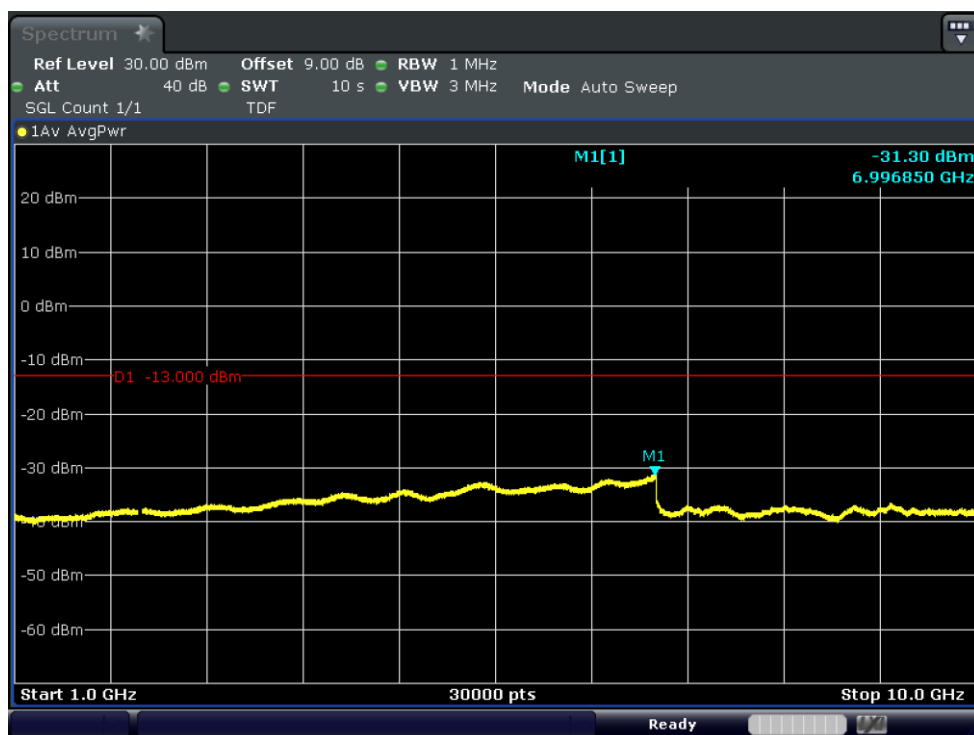


Test_Graph_band12_707.5MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



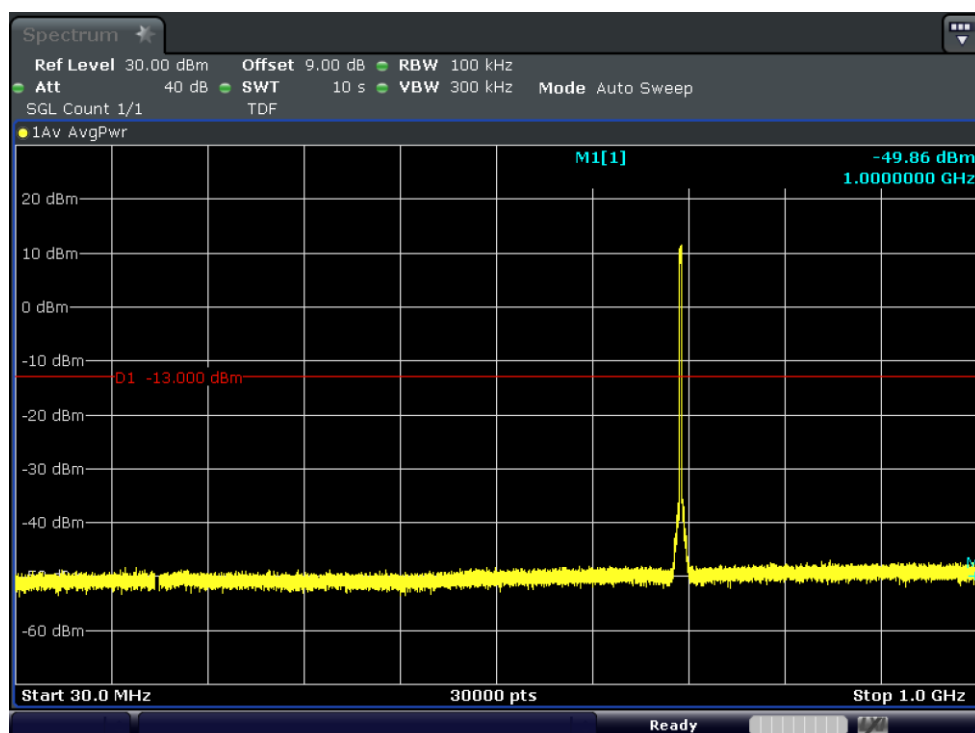


Test_Graph_band12_715.3MHz_1.4M_QPSK_6RB#LOW_30M_1G_TX

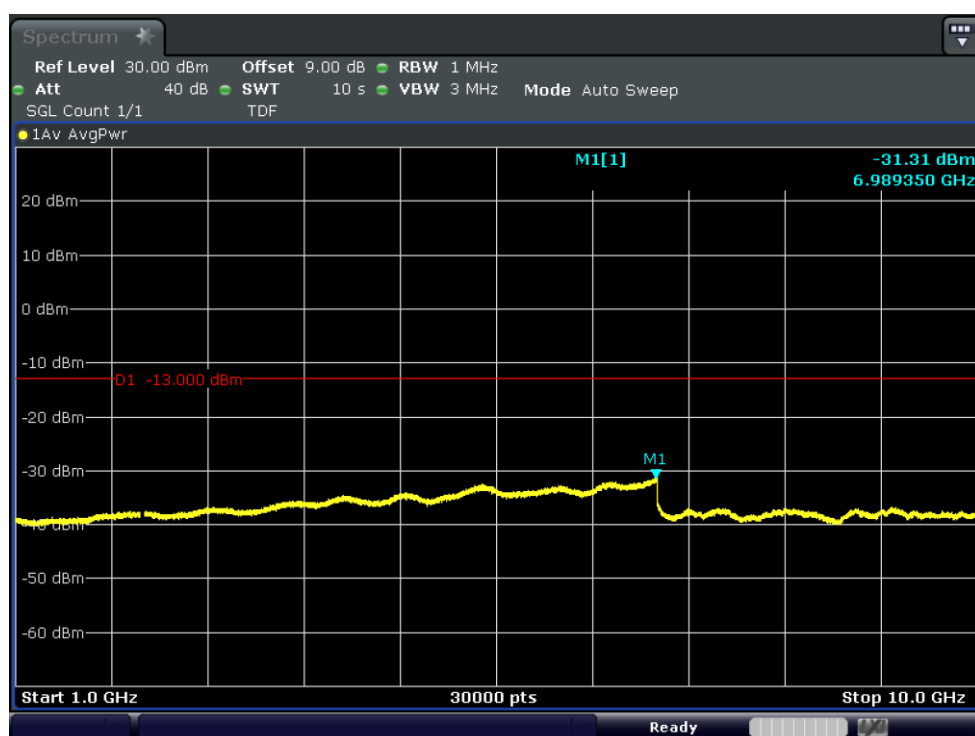


Test_Graph_band12_715.3MHz_1.4M_QPSK_6RB#LOW_1G_10G_TX



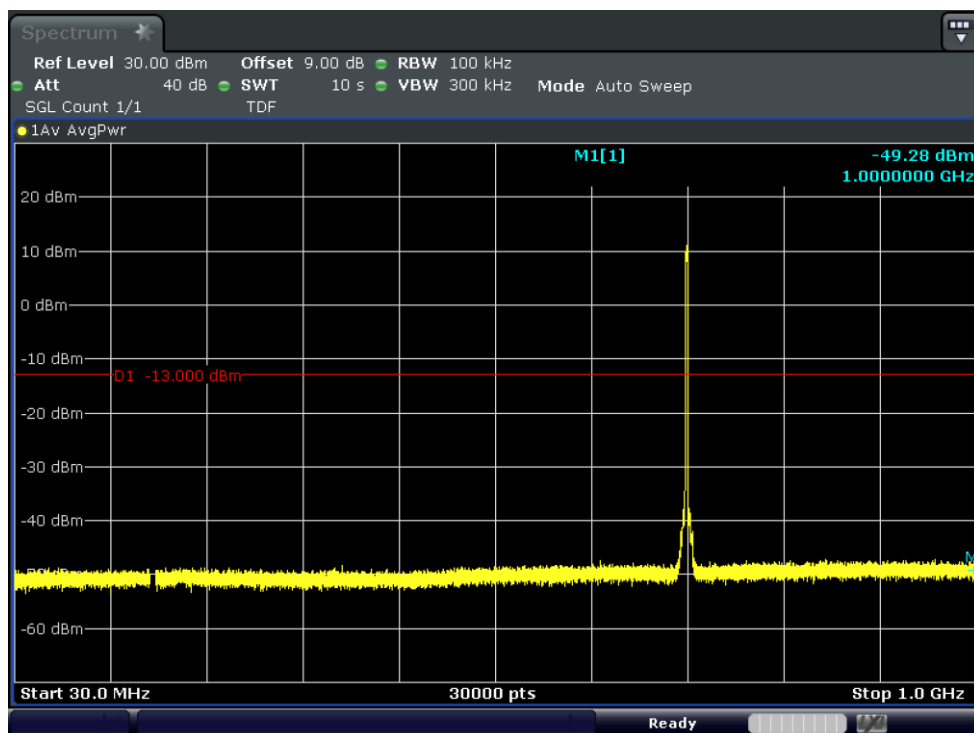


Test_Graph_band12_700.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX

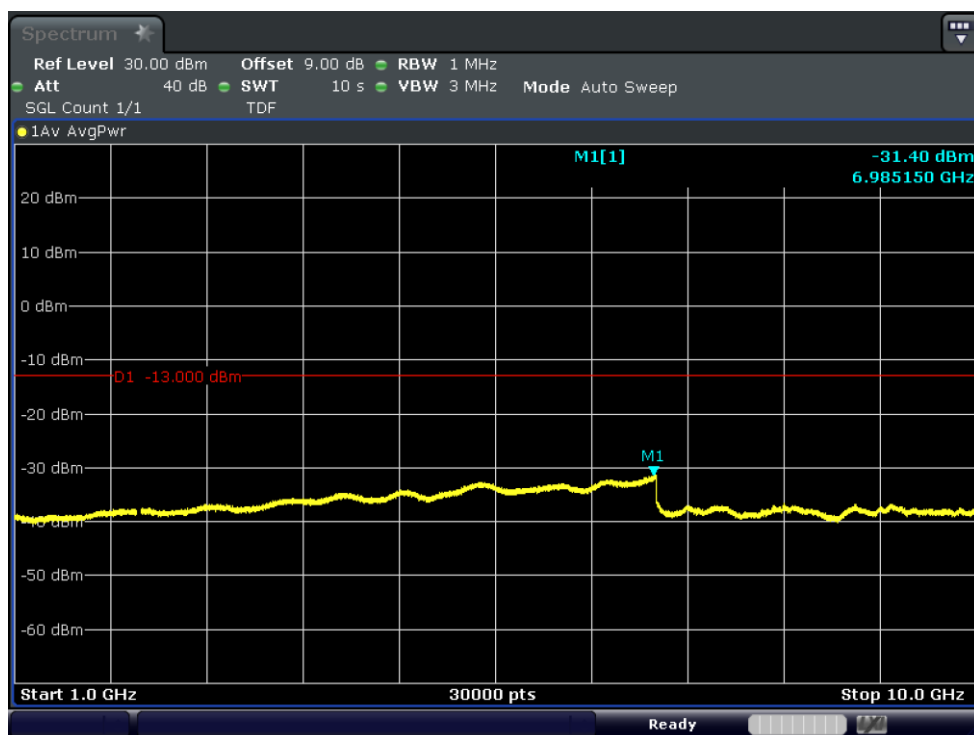


Test_Graph_band12_700.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



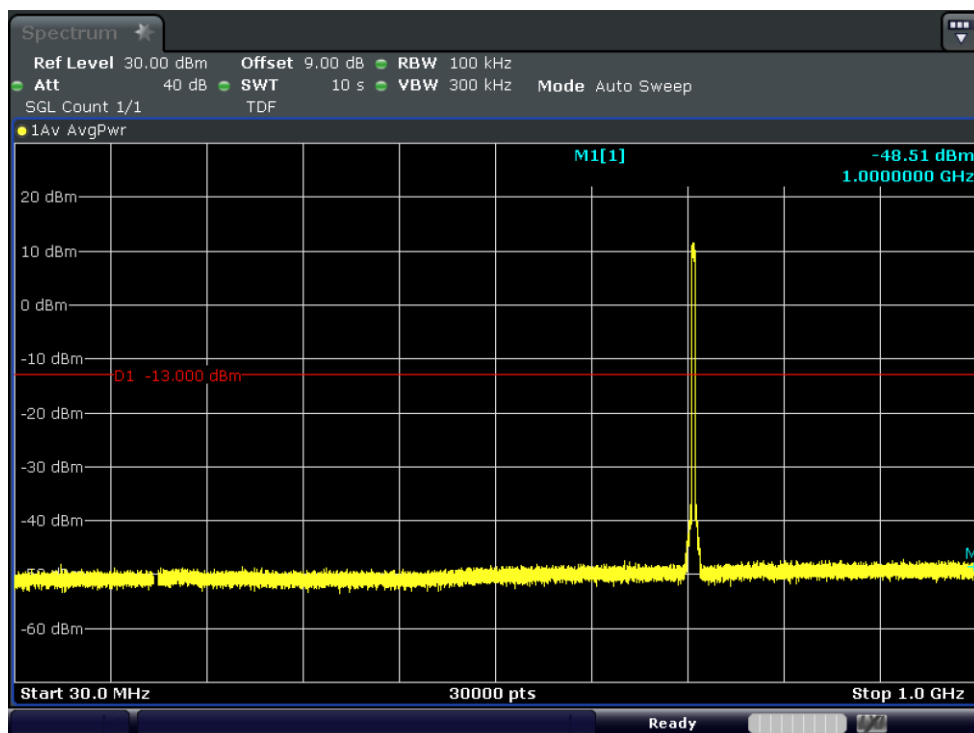


Test_Graph_band12_707.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX

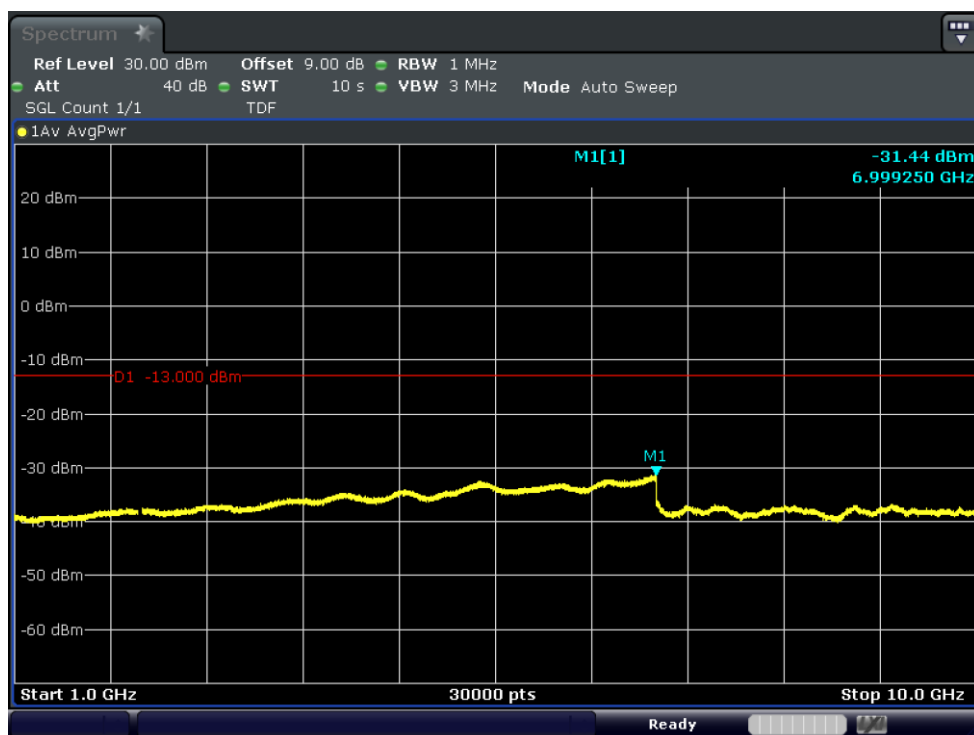


Test_Graph_band12_707.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



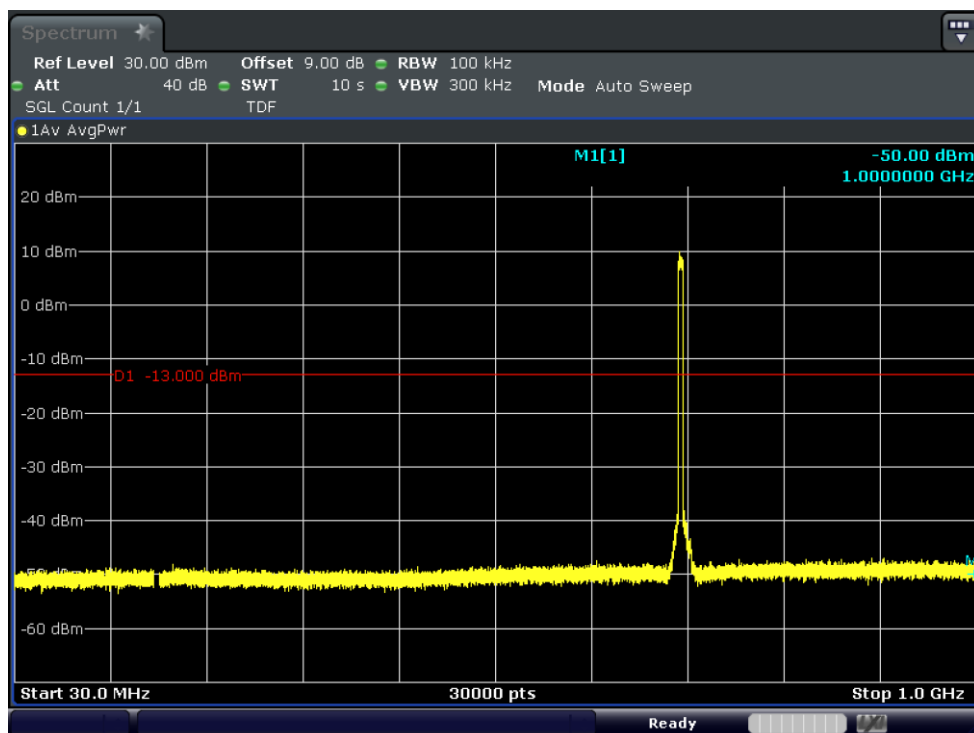


Test_Graph_band12_714.5MHz_3M_QPSK_15RB#LOW_30M_1G_TX

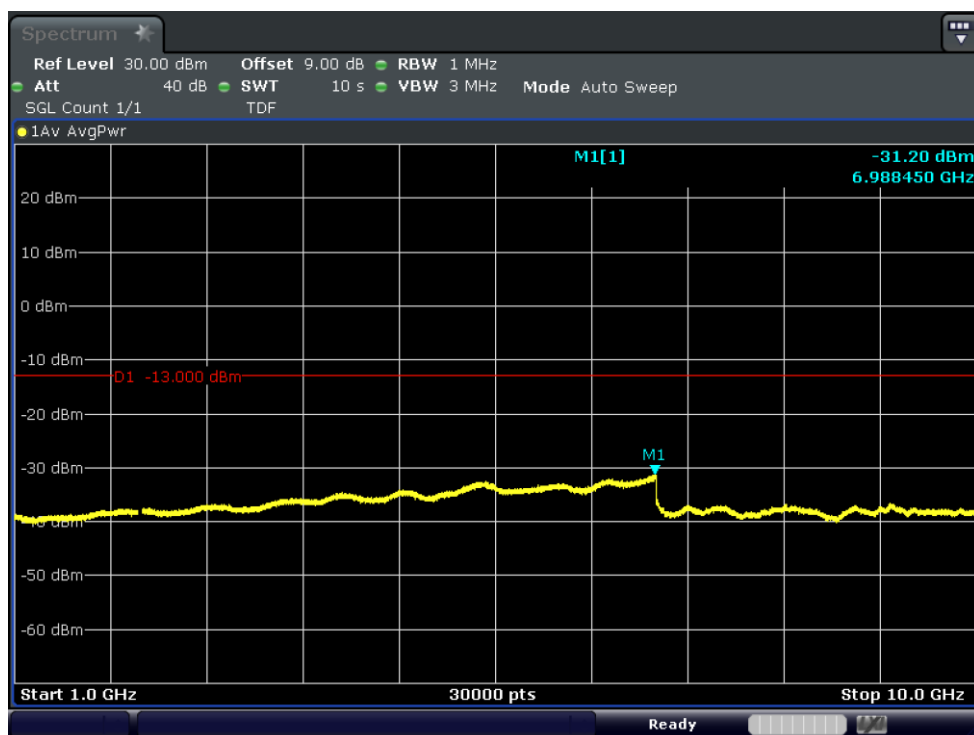


Test_Graph_band12_714.5MHz_3M_QPSK_15RB#LOW_1G_10G_TX



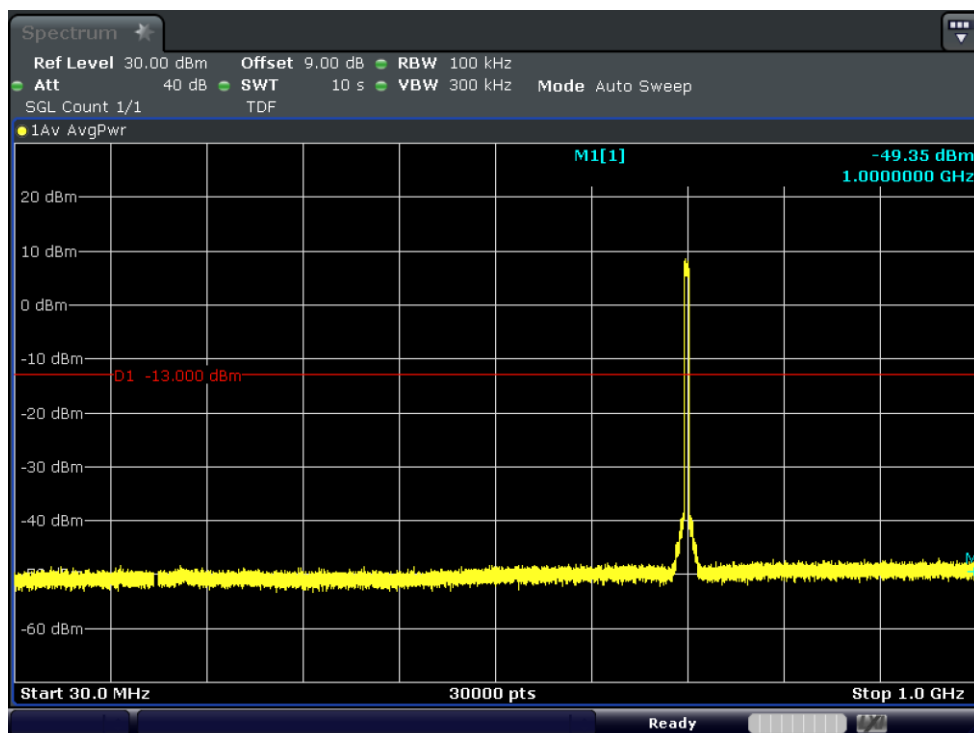


Test_Graph_band12_701.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX

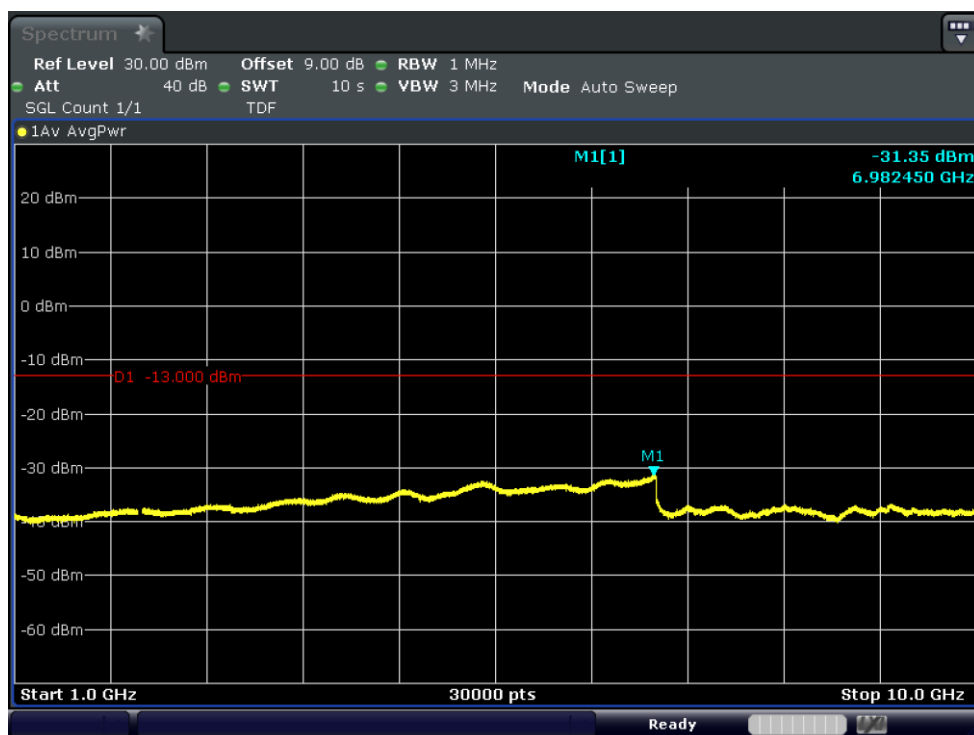


Test_Graph_band12_701.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX





Test_Graph_band12_707.5MHz_5M_QPSK_25RB#LOW_30M_1G_TX



Test_Graph_band12_707.5MHz_5M_QPSK_25RB#LOW_1G_10G_TX

