

Appendix Test Data for LTE band 4 (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)	EIRP (dBm)	Limit (dBm)	Conclusion
4	1.4	1710.7	QPSK	6	LOW	22.94	28.31	5.37	13	0.66	23.6	33	Pass
4	1.4	1710.7	QPSK	3	LOW	23.75	28.38	4.63	13	0.66	24.41	33	Pass
4	1.4	1710.7	QPSK	3	MID	23.83	28.43	4.60	13	0.66	24.49	33	Pass
4	1.4	1710.7	QPSK	3	HIGH	23.95	28.47	4.52	13	0.66	24.61	33	Pass
4	1.4	1710.7	QPSK	1	LOW	23.87	27.85	3.98	13	0.66	24.53	33	Pass
4	1.4	1710.7	QPSK	1	MID	23.94	27.84	3.90	13	0.66	24.6	33	Pass
4	1.4	1710.7	QPSK	1	HIGH	23.96	27.96	4	13	0.66	24.62	33	Pass
4	1.4	1710.7	16QAM	6	LOW	21.91	27.97	6.06	13	0.66	22.57	33	Pass
4	1.4	1710.7	16QAM	3	LOW	22.95	28.07	5.12	13	0.66	23.61	33	Pass
4	1.4	1710.7	16QAM	3	MID	22.95	28.08	5.13	13	0.66	23.61	33	Pass
4	1.4	1710.7	16QAM	3	HIGH	23.05	28.22	5.17	13	0.66	23.71	33	Pass
4	1.4	1710.7	16QAM	1	LOW	22.94	27.51	4.57	13	0.66	23.6	33	Pass
4	1.4	1710.7	16QAM	1	MID	23.01	27.59	4.58	13	0.66	23.67	33	Pass
4	1.4	1710.7	16QAM	1	HIGH	23.08	27.67	4.59	13	0.66	23.74	33	Pass
4	1.4	1732.5	QPSK	6	LOW	22.25	28.3	6.05	13	0.66	22.91	33	Pass
4	1.4	1732.5	QPSK	3	LOW	23.16	28.54	5.38	13	0.66	23.82	33	Pass
4	1.4	1732.5	QPSK	3	MID	23.15	28.52	5.37	13	0.66	23.81	33	Pass
4	1.4	1732.5	QPSK	3	HIGH	23.18	28.53	5.35	13	0.66	23.84	33	Pass
4	1.4	1732.5	QPSK	1	LOW	23.18	28.56	5.38	13	0.66	23.84	33	Pass
4	1.4	1732.5	QPSK	1	MID	23.21	28.45	5.24	13	0.66	23.87	33	Pass
4	1.4	1732.5	QPSK	1	HIGH	23.25	28.49	5.24	13	0.66	23.91	33	Pass
4	1.4	1732.5	16QAM	6	LOW	21.31	28.55	7.24	13	0.66	21.97	33	Pass





Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	1.4	1732.5	16QAM	3	LOW	22.46	28.37	5.91	13	0.66	23.12	33	Pass
4	1.4	1732.5	16QAM	3	MID	22.46	28.35	5.89	13	0.66	23.12	33	Pass
4	1.4	1732.5	16QAM	3	HIGH	22.57	28.38	5.81	13	0.66	23.23	33	Pass
4	1.4	1732.5	16QAM	1	LOW	22.31	28	5.69	13	0.66	22.97	33	Pass
4	1.4	1732.5	16QAM	1	MID	22.38	27.94	5.56	13	0.66	23.04	33	Pass
4	1.4	1732.5	16QAM	1	HIGH	22.42	27.97	5.55	13	0.66	23.08	33	Pass
4	1.4	1754.3	QPSK	6	LOW	22.19	27.56	5.37	13	0.66	22.85	33	Pass
4	1.4	1754.3	QPSK	3	LOW	23.23	27.69	4.46	13	0.66	23.89	33	Pass
4	1.4	1754.3	QPSK	3	MID	23.24	27.7	4.46	13	0.66	23.9	33	Pass
4	1.4	1754.3	QPSK	3	HIGH	23.26	27.85	4.59	13	0.66	23.92	33	Pass
4	1.4	1754.3	QPSK	1	LOW	23.23	27.52	4.29	13	0.66	23.89	33	Pass
4	1.4	1754.3	QPSK	1	MID	23.26	27.52	4.26	13	0.66	23.92	33	Pass
4	1.4	1754.3	QPSK	1	HIGH	23.25	27.59	4.34	13	0.66	23.91	33	Pass
4	1.4	1754.3	16QAM	6	LOW	21.5	27.43	5.93	13	0.66	22.16	33	Pass
4	1.4	1754.3	16QAM	3	LOW	22.19	27.66	5.47	13	0.66	22.85	33	Pass
4	1.4	1754.3	16QAM	3	MID	22.15	27.65	5.5	13	0.66	22.81	33	Pass
4	1.4	1754.3	16QAM	3	HIGH	22.19	27.67	5.48	13	0.66	22.85	33	Pass
4	1.4	1754.3	16QAM	1	LOW	22.36	26.83	4.47	13	0.66	23.02	33	Pass
4	1.4	1754.3	16QAM	1	MID	22.36	26.82	4.46	13	0.66	23.02	33	Pass
4	1.4	1754.3	16QAM	1	HIGH	22.28	26.82	4.54	13	0.66	22.94	33	Pass
4	3	1711.5	QPSK	15	LOW	22.85	28.71	5.86	13	0.66	23.51	33	Pass
4	3	1711.5	QPSK	8	LOW	22.97	28.19	5.22	13	0.66	23.63	33	Pass
4	3	1711.5	QPSK	8	MID	22.97	28.22	5.25	13	0.66	23.63	33	Pass
4	3	1711.5	QPSK	8	HIGH	23.02	28.37	5.35	13	0.66	23.68	33	Pass
4	3	1711.5	QPSK	1	LOW	23.65	27.59	3.94	13	0.66	24.31	33	Pass
4	3	1711.5	QPSK	1	MID	23.85	27.84	3.99	13	0.66	24.51	33	Pass
4	3	1711.5	QPSK	1	HIGH	23.78	27.92	4.14	13	0.66	24.44	33	Pass
4	3	1711.5	16QAM	15	LOW	21.98	28.27	6.29	13	0.66	22.64	33	Pass
4	3	1711.5	16QAM	8	LOW	21.99	27.7	5.71	13	0.66	22.65	33	Pass
4	3	1711.5	16QAM	8	MID	21.99	27.71	5.72	13	0.66	22.65	33	Pass
4	3	1711.5	16QAM	8	HIGH	22.02	27.88	5.86	13	0.66	22.68	33	Pass
4	3	1711.5	16QAM	1	LOW	22.85	27.36	4.51	13	0.66	23.51	33	Pass
4	3	1711.5	16QAM	1	MID	23	27.59	4.59	13	0.66	23.66	33	Pass
4	3	1711.5	16QAM	1	HIGH	22.96	27.69	4.73	13	0.66	23.62	33	Pass
4	3	1732.5	QPSK	15	LOW	22.21	28.07	5.86	13	0.66	22.87	33	Pass
4	3	1732.5	QPSK	8	LOW	22.14	27.83	5.69	13	0.66	22.8	33	Pass
4	3	1732.5	QPSK	8	MID	22.13	27.89	5.76	13	0.66	22.79	33	Pass
4	3	1732.5	QPSK	8	HIGH	22.25	27.89	5.64	13	0.66	22.91	33	Pass
4	3	1732.5	QPSK	1	LOW	22.93	27.75	4.82	13	0.66	23.59	33	Pass
4	3	1732.5	QPSK	1	MID	23.19	27.82	4.63	13	0.66	23.85	33	Pass
4	3	1732.5	QPSK	1	HIGH	23.16	27.65	4.49	13	0.66	23.82	33	Pass





Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	3	1732.5	16QAM	15	LOW	21.32	27.82	6.5	13	0.66	21.98	33	Pass
4	3	1732.5	16QAM	8	LOW	21.38	27.98	6.60	13	0.66	22.04	33	Pass
4	3	1732.5	16QAM	8	MID	21.34	27.96	6.62	13	0.66	22	33	Pass
4	3	1732.5	16QAM	8	HIGH	21.47	27.95	6.48	13	0.66	22.13	33	Pass
4	3	1732.5	16QAM	1	LOW	22.65	28.38	5.73	13	0.66	23.31	33	Pass
4	3	1732.5	16QAM	1	MID	22.87	28.33	5.46	13	0.66	23.53	33	Pass
4	3	1732.5	16QAM	1	HIGH	22.84	28.2	5.36	13	0.66	23.5	33	Pass
4	3	1753.5	QPSK	15	LOW	22.19	27.77	5.58	13	0.66	22.85	33	Pass
4	3	1753.5	QPSK	8	LOW	22.23	27.51	5.28	13	0.66	22.89	33	Pass
4	3	1753.5	QPSK	8	MID	22.23	27.5	5.27	13	0.66	22.89	33	Pass
4	3	1753.5	QPSK	8	HIGH	22.22	27.5	5.28	13	0.66	22.88	33	Pass
4	3	1753.5	QPSK	1	LOW	23.2	27.22	4.02	13	0.66	23.86	33	Pass
4	3	1753.5	QPSK	1	MID	23.28	27.42	4.14	13	0.66	23.94	33	Pass
4	3	1753.5	QPSK	1	HIGH	23.16	27.44	4.28	13	0.66	23.82	33	Pass
4	3	1753.5	16QAM	15	LOW	21.43	27.42	5.99	13	0.66	22.09	33	Pass
4	3	1753.5	16QAM	8	LOW	21.43	27.15	5.72	13	0.66	22.09	33	Pass
4	3	1753.5	16QAM	8	MID	21.43	27.19	5.76	13	0.66	22.09	33	Pass
4	3	1753.5	16QAM	8	HIGH	21.36	27.25	5.89	13	0.66	22.02	33	Pass
4	3	1753.5	16QAM	1	LOW	22.41	26.67	4.26	13	0.66	23.07	33	Pass
4	3	1753.5	16QAM	1	MID	22.38	26.7	4.32	13	0.66	23.04	33	Pass
4	3	1753.5	16QAM	1	HIGH	22.19	26.69	4.5	13	0.66	22.85	33	Pass
4	5	1712.5	QPSK	25	LOW	22.94	28.55	5.61	13	0.66	23.6	33	Pass
4	5	1712.5	QPSK	12	LOW	22.88	27.79	4.91	13	0.66	23.54	33	Pass
4	5	1712.5	QPSK	12	MID	22.87	27.79	4.92	13	0.66	23.53	33	Pass
4	5	1712.5	QPSK	12	HIGH	22.89	28.16	5.27	13	0.66	23.55	33	Pass
4	5	1712.5	QPSK	1	LOW	23.72	28.01	4.29	13	0.66	24.38	33	Pass
4	5	1712.5	QPSK	1	MID	23.93	28.41	4.48	13	0.66	24.59	33	Pass
4	5	1712.5	QPSK	1	HIGH	23.73	28.62	4.89	13	0.66	24.39	33	Pass
4	5	1712.5	16QAM	25	LOW	21.97	28.76	6.79	13	0.66	22.63	33	Pass
4	5	1712.5	16QAM	12	LOW	21.91	28.17	6.26	13	0.66	22.57	33	Pass
4	5	1712.5	16QAM	12	MID	21.92	28.18	6.26	13	0.66	22.58	33	Pass
4	5	1712.5	16QAM	12	HIGH	21.86	28.44	6.58	13	0.66	22.52	33	Pass
4	5	1712.5	16QAM	1	LOW	22.74	27.36	4.62	13	0.66	23.4	33	Pass
4	5	1712.5	16QAM	1	MID	22.98	27.73	4.75	13	0.66	23.64	33	Pass
4	5	1712.5	16QAM	1	HIGH	22.8	27.84	5.04	13	0.66	23.46	33	Pass
4	5	1732.5	QPSK	25	LOW	22.22	28.64	6.42	13	0.66	22.88	33	Pass
4	5	1732.5	QPSK	12	LOW	22.11	28.24	6.13	13	0.66	22.77	33	Pass
4	5	1732.5	QPSK	12	MID	22.1	28.2	6.10	13	0.66	22.76	33	Pass
4	5	1732.5	QPSK	12	HIGH	22.29	28.11	5.82	13	0.66	22.95	33	Pass
4	5	1732.5	QPSK	1	LOW	23.04	28.13	5.09	13	0.66	23.7	33	Pass
4	5	1732.5	QPSK	1	MID	23.22	28.06	4.84	13	0.66	23.88	33	Pass





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4	5	1732.5	QPSK	1	HIGH	23.23	27.82	4.59	13	0.66	23.89	33	Pass
4	5	1732.5	16QAM	25	LOW	21.2	28.24	7.04	13	0.66	21.86	33	Pass
4	5	1732.5	16QAM	12	LOW	21.15	27.96	6.81	13	0.66	21.81	33	Pass
4	5	1732.5	16QAM	12	MID	21.15	27.99	6.84	13	0.66	21.81	33	Pass
4	5	1732.5	16QAM	12	HIGH	21.35	27.99	6.64	13	0.66	22.01	33	Pass
4	5	1732.5	16QAM	1	LOW	22.43	27.99	5.56	13	0.66	23.09	33	Pass
4	5	1732.5	16QAM	1	MID	22.63	27.94	5.31	13	0.66	23.29	33	Pass
4	5	1732.5	16QAM	1	HIGH	22.65	27.72	5.07	13	0.66	23.31	33	Pass
4	5	1752.5	QPSK	25	LOW	22.22	27.87	5.65	13	0.66	22.88	33	Pass
4	5	1752.5	QPSK	12	LOW	22.37	27.25	4.88	13	0.66	23.03	33	Pass
4	5	1752.5	QPSK	12	MID	22.37	27.22	4.85	13	0.66	23.03	33	Pass
4	5	1752.5	QPSK	12	HIGH	22.22	27.19	4.97	13	0.66	22.88	33	Pass
4	5	1752.5	QPSK	1	LOW	23.34	27.09	3.75	13	0.66	24	33	Pass
4	5	1752.5	QPSK	1	MID	23.35	27.24	3.89	13	0.66	24.01	33	Pass
4	5	1752.5	QPSK	1	HIGH	23.25	27.38	4.13	13	0.66	23.91	33	Pass
4	5	1752.5	16QAM	25	LOW	21.51	27.72	6.21	13	0.66	22.17	33	Pass
4	5	1752.5	16QAM	12	LOW	21.46	27.28	5.82	13	0.66	22.12	33	Pass
4	5	1752.5	16QAM	12	MID	21.46	27.28	5.82	13	0.66	22.12	33	Pass
4	5	1752.5	16QAM	12	HIGH	21.41	27.28	5.87	13	0.66	22.07	33	Pass
4	5	1752.5	16QAM	1	LOW	22.6	27.14	4.54	13	0.66	23.26	33	Pass
4	5	1752.5	16QAM	1	MID	22.31	27.09	4.78	13	0.66	22.97	33	Pass
4	5	1752.5	16QAM	1	HIGH	22.22	27.25	5.03	13	0.66	22.88	33	Pass
4	10	1715	QPSK	50	LOW	22.52	28.44	5.92	13	0.66	23.18	33	Pass
4	10	1715	QPSK	25	LOW	22.65	28.35	5.70	13	0.66	23.31	33	Pass
4	10	1715	QPSK	25	MID	22.64	28.35	5.71	13	0.66	23.3	33	Pass
4	10	1715	QPSK	25	HIGH	22.35	28.61	6.26	13	0.66	23.01	33	Pass
4	10	1715	QPSK	1	LOW	23.6	27.55	3.95	13	0.66	24.26	33	Pass
4	10	1715	QPSK	1	MID	23.6	28	4.40	13	0.66	24.26	33	Pass
4	10	1715	QPSK	1	HIGH	23.02	28.08	5.06	13	0.66	23.68	33	Pass
4	10	1715	16QAM	25	LOW	21.69	28.05	6.36	13	0.66	22.35	33	Pass
4	10	1715	16QAM	25	MID	21.7	28.06	6.36	13	0.66	22.36	33	Pass
4	10	1715	16QAM	25	HIGH	21.39	28.43	7.04	13	0.66	22.05	33	Pass
4	10	1715	16QAM	1	LOW	22.73	27.3	4.57	13	0.66	23.39	33	Pass
4	10	1715	16QAM	1	MID	22.77	27.76	4.99	13	0.66	23.43	33	Pass
4	10	1715	16QAM	1	HIGH	22.22	27.76	5.54	13	0.66	22.88	33	Pass
4	10	1732.5	QPSK	50	LOW	21.99	27.96	5.97	13	0.66	22.65	33	Pass
4	10	1732.5	QPSK	25	LOW	21.87	28.34	6.47	13	0.66	22.53	33	Pass
4	10	1732.5	QPSK	25	MID	21.95	28.38	6.43	13	0.66	22.61	33	Pass
4	10	1732.5	QPSK	25	HIGH	22.14	28.07	5.93	13	0.66	22.8	33	Pass
4	10	1732.5	QPSK	1	LOW	23.04	27.83	4.79	13	0.66	23.7	33	Pass
4	10	1732.5	QPSK	1	MID	23.31	27.66	4.35	13	0.66	23.97	33	Pass





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4	10	1732.5	QPSK	1	HIGH	23.22	27.14	3.92	13	0.66	23.88	33	Pass
4	10	1732.5	16QAM	25	LOW	21.16	28.21	7.05	13	0.66	21.82	33	Pass
4	10	1732.5	16QAM	25	MID	21.17	28.16	6.99	13	0.66	21.83	33	Pass
4	10	1732.5	16QAM	25	HIGH	21.4	27.93	6.53	13	0.66	22.06	33	Pass
4	10	1732.5	16QAM	1	LOW	22.73	28.47	5.74	13	0.66	23.39	33	Pass
4	10	1732.5	16QAM	1	MID	22.95	28.15	5.20	13	0.66	23.61	33	Pass
4	10	1732.5	16QAM	1	HIGH	22.87	27.53	4.66	13	0.66	23.53	33	Pass
4	10	1750	QPSK	50	LOW	22.35	27.63	5.28	13	0.66	23.01	33	Pass
4	10	1750	QPSK	25	LOW	22.45	27.08	4.63	13	0.66	23.11	33	Pass
4	10	1750	QPSK	25	MID	22.46	27.1	4.64	13	0.66	23.12	33	Pass
4	10	1750	QPSK	25	HIGH	22.23	27.22	4.99	13	0.66	22.89	33	Pass
4	10	1750	QPSK	1	LOW	23.34	26.96	3.62	13	0.66	24	33	Pass
4	10	1750	QPSK	1	MID	23.4	27.11	3.71	13	0.66	24.06	33	Pass
4	10	1750	QPSK	1	HIGH	23.19	27.36	4.17	13	0.66	23.85	33	Pass
4	10	1750	16QAM	25	LOW	21.46	27.06	5.60	13	0.66	22.12	33	Pass
4	10	1750	16QAM	25	MID	21.47	27.14	5.67	13	0.66	22.13	33	Pass
4	10	1750	16QAM	25	HIGH	21.41	27.34	5.93	13	0.66	22.07	33	Pass
4	10	1750	16QAM	1	LOW	22.65	26.5	3.85	13	0.66	23.31	33	Pass
4	10	1750	16QAM	1	MID	22.57	26.55	3.98	13	0.66	23.23	33	Pass
4	10	1750	16QAM	1	HIGH	22.48	26.78	4.30	13	0.66	23.14	33	Pass
4	15	1717.5	QPSK	75	LOW	22.55	29.01	6.46	13	0.66	23.21	33	Pass
4	15	1717.5	QPSK	38	LOW	22.55	28.99	6.44	13	0.66	23.21	33	Pass
4	15	1717.5	QPSK	38	MID	22.54	28.99	6.45	13	0.66	23.2	33	Pass
4	15	1717.5	QPSK	38	HIGH	22.53	29.01	6.48	13	0.66	23.19	33	Pass
4	15	1717.5	QPSK	1	LOW	23.83	27.76	3.93	13	0.66	24.49	33	Pass
4	15	1717.5	QPSK	1	MID	23.53	28.28	4.75	13	0.66	24.19	33	Pass
4	15	1717.5	QPSK	1	HIGH	23.15	28.23	5.08	13	0.66	23.81	33	Pass
4	15	1717.5	16QAM	1	LOW	23.51	28.04	4.53	13	0.66	24.17	33	Pass
4	15	1717.5	16QAM	1	MID	23.31	28.91	5.60	13	0.66	23.97	33	Pass
4	15	1717.5	16QAM	1	HIGH	22.9	28.96	6.06	13	0.66	23.56	33	Pass
4	15	1732.5	QPSK	75	LOW	22.44	28.7	6.26	13	0.66	23.1	33	Pass
4	15	1732.5	QPSK	38	LOW	22.43	28.67	6.24	13	0.66	23.09	33	Pass
4	15	1732.5	QPSK	38	MID	22.42	28.69	6.27	13	0.66	23.08	33	Pass
4	15	1732.5	QPSK	38	HIGH	22.42	28.69	6.27	13	0.66	23.08	33	Pass
4	15	1732.5	QPSK	1	LOW	23.2	28.53	5.33	13	0.66	23.86	33	Pass
4	15	1732.5	QPSK	1	MID	23.35	27.97	4.62	13	0.66	24.01	33	Pass
4	15	1732.5	QPSK	1	HIGH	23.44	27.3	3.86	13	0.66	24.1	33	Pass
4	15	1732.5	16QAM	1	LOW	22.46	27.59	5.13	13	0.66	23.12	33	Pass
4	15	1732.5	16QAM	1	MID	22.64	27.27	4.63	13	0.66	23.3	33	Pass
4	15	1732.5	16QAM	1	HIGH	22.76	26.84	4.08	13	0.66	23.42	33	Pass
4	15	1747.5	QPSK	75	LOW	22.64	28.08	5.44	13	0.66	23.3	33	Pass





Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Average Power (dBm)	Peak Power (dBm)	PAR (dB)	Limit (dB)	AntGain (dBi)	EIRP (dBm)	Limit (dBm)	Conclusion
4	15	1747.5	QPSK	38	LOW	22.64	28.09	5.45	13	0.66	23.3	33	Pass
4	15	1747.5	QPSK	38	MID	22.65	28.09	5.44	13	0.66	23.31	33	Pass
4	15	1747.5	QPSK	38	HIGH	22.65	28.08	5.43	13	0.66	23.31	33	Pass
4	15	1747.5	QPSK	1	LOW	23.5	26.89	3.39	13	0.66	24.16	33	Pass
4	15	1747.5	QPSK	1	MID	23.51	26.73	3.22	13	0.66	24.17	33	Pass
4	15	1747.5	QPSK	1	HIGH	23.42	27.13	3.71	13	0.66	24.08	33	Pass
4	15	1747.5	16QAM	1	LOW	22.92	26.88	3.96	13	0.66	23.58	33	Pass
4	15	1747.5	16QAM	1	MID	22.98	26.75	3.77	13	0.66	23.64	33	Pass
4	15	1747.5	16QAM	1	HIGH	22.78	27.06	4.28	13	0.66	23.44	33	Pass
4	20	1720	QPSK	100	LOW	22.14	28.39	6.25	13	0.66	22.8	33	Pass
4	20	1720	QPSK	50	LOW	22.74	28.64	5.90	13	0.66	23.4	33	Pass
4	20	1720	QPSK	50	MID	22.73	28.65	5.92	13	0.66	23.39	33	Pass
4	20	1720	QPSK	50	HIGH	22.13	28.68	6.55	13	0.66	22.79	33	Pass
4	20	1720	QPSK	1	LOW	23.83	27.94	4.11	13	0.66	24.49	33	Pass
4	20	1720	QPSK	1	MID	23.21	28.52	5.31	13	0.66	23.87	33	Pass
4	20	1720	QPSK	1	HIGH	23.02	28.1	5.08	13	0.66	23.68	33	Pass
4	20	1720	16QAM	1	LOW	23.18	27.77	4.59	13	0.66	23.84	33	Pass
4	20	1720	16QAM	1	MID	22.66	28.35	5.69	13	0.66	23.32	33	Pass
4	20	1720	16QAM	1	HIGH	22.41	27.96	5.55	13	0.66	23.07	33	Pass
4	20	1732.5	QPSK	100	LOW	22.45	28.61	6.16	13	0.66	23.11	33	Pass
4	20	1732.5	QPSK	50	LOW	22.17	28.46	6.29	13	0.66	22.83	33	Pass
4	20	1732.5	QPSK	50	MID	22.17	28.54	6.37	13	0.66	22.83	33	Pass
4	20	1732.5	QPSK	50	HIGH	22.54	27.8	5.26	13	0.66	23.2	33	Pass
4	20	1732.5	QPSK	1	LOW	23.07	28.21	5.14	13	0.66	23.73	33	Pass
4	20	1732.5	QPSK	1	MID	23.39	27.8	4.41	13	0.66	24.05	33	Pass
4	20	1732.5	QPSK	1	HIGH	23.38	27.03	3.65	13	0.66	24.04	33	Pass
4	20	1732.5	16QAM	1	LOW	22.43	28.51	6.08	13	0.66	23.09	33	Pass
4	20	1732.5	16QAM	1	MID	22.74	28	5.26	13	0.66	23.4	33	Pass
4	20	1732.5	16QAM	1	HIGH	22.71	27.09	4.38	13	0.66	23.37	33	Pass
4	20	1745	QPSK	100	LOW	22.62	28.04	5.42	13	0.66	23.28	33	Pass
4	20	1745	QPSK	50	LOW	22.71	27.47	4.76	13	0.66	23.37	33	Pass
4	20	1745	QPSK	50	MID	22.7	27.46	4.76	13	0.66	23.36	33	Pass
4	20	1745	QPSK	50	HIGH	22.52	27.43	4.91	13	0.66	23.18	33	Pass
4	20	1745	QPSK	1	LOW	23.16	27.34	4.18	13	0.66	23.82	33	Pass
4	20	1745	QPSK	1	MID	23.45	26.97	3.52	13	0.66	24.11	33	Pass
4	20	1745	QPSK	1	HIGH	23.23	27.32	4.09	13	0.66	23.89	33	Pass
4	20	1745	16QAM	1	LOW	22.85	27.34	4.49	13	0.66	23.51	33	Pass
4	20	1745	16QAM	1	MID	23.15	26.92	3.77	13	0.66	23.81	33	Pass
4	20	1745	16QAM	1	HIGH	22.97	27.28	4.31	13	0.66	23.63	33	Pass



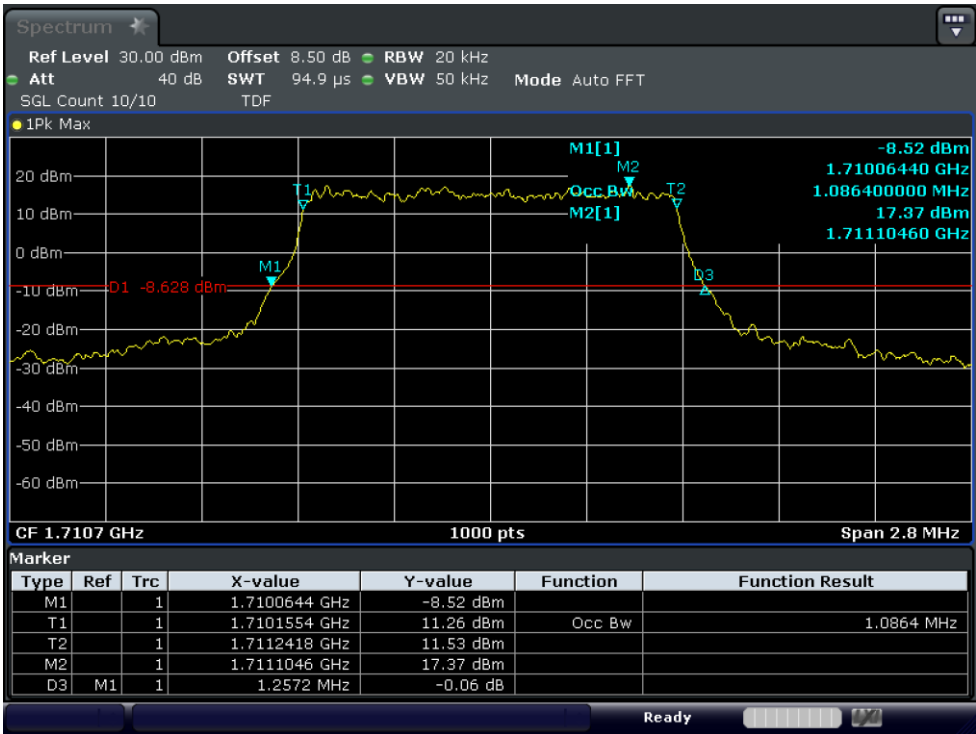
Appendix B: Occupied bandwidth

Test Result

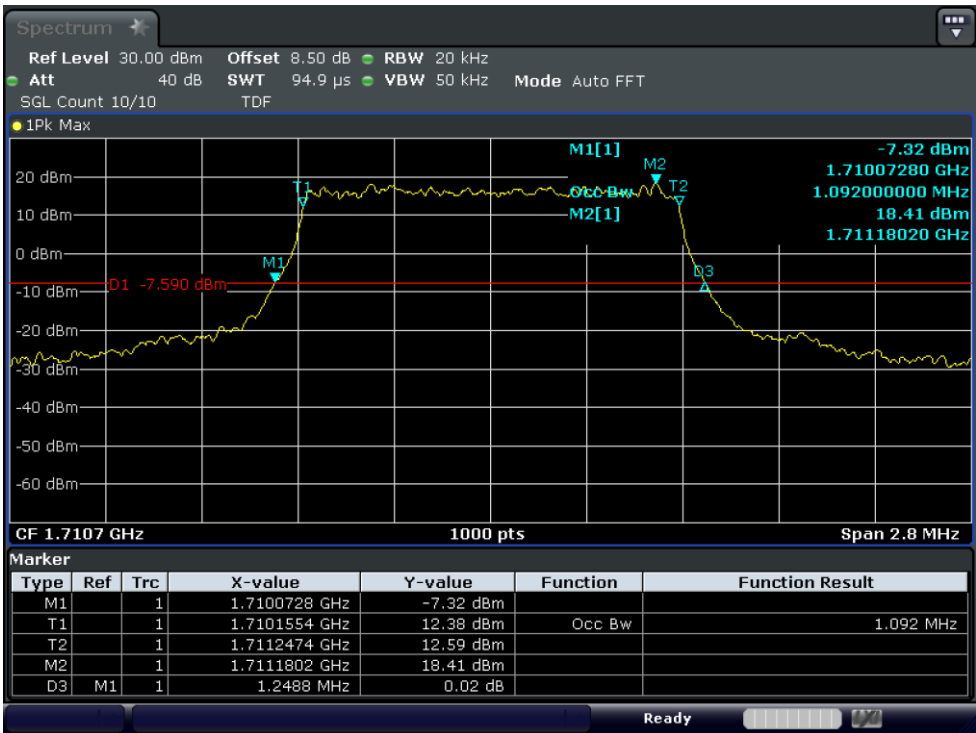
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Occupied Bandwidth (MHz)	Emission Bandwidth (MHz)	Limit
4	1.4	1710.7	QPSK	6	LOW	1.092	1.249	No limit
4	1.4	1710.7	16QAM	6	LOW	1.086	1.257	No limit
4	1.4	1732.5	QPSK	6	LOW	1.084	1.246	No limit
4	1.4	1732.5	16QAM	6	LOW	1.086	1.271	No limit
4	1.4	1754.3	QPSK	6	LOW	1.084	1.271	No limit
4	1.4	1754.3	16QAM	6	LOW	1.078	1.243	No limit
4	3	1711.5	QPSK	15	LOW	2.688	2.886	No limit
4	3	1711.5	16QAM	15	LOW	2.676	2.892	No limit
4	3	1732.5	QPSK	15	LOW	2.688	2.886	No limit
4	3	1732.5	16QAM	15	LOW	2.682	2.892	No limit
4	3	1753.5	QPSK	15	LOW	2.682	2.904	No limit
4	3	1753.5	16QAM	15	LOW	2.682	2.88	No limit
4	5	1712.5	QPSK	25	LOW	4.48	4.87	No limit
4	5	1712.5	16QAM	25	LOW	4.47	4.79	No limit
4	5	1732.5	QPSK	25	LOW	4.49	4.87	No limit
4	5	1732.5	16QAM	25	LOW	4.48	4.86	No limit
4	5	1752.5	QPSK	25	LOW	4.46	4.85	No limit
4	5	1752.5	16QAM	25	LOW	4.48	4.85	No limit
4	10	1715	QPSK	50	LOW	8.94	9.5	No limit
4	10	1732.5	QPSK	50	LOW	8.96	9.6	No limit
4	10	1750	QPSK	50	LOW	8.9	9.48	No limit
4	15	1717.5	QPSK	75	LOW	13.44	14.4	No limit
4	15	1732.5	QPSK	75	LOW	13.41	14.25	No limit
4	15	1747.5	QPSK	75	LOW	13.44	14.28	No limit
4	20	1720	QPSK	100	LOW	17.84	18.8	No limit
4	20	1732.5	QPSK	100	LOW	17.88	18.76	No limit
4	20	1745	QPSK	100	LOW	17.84	18.72	No limit



Test Graphs

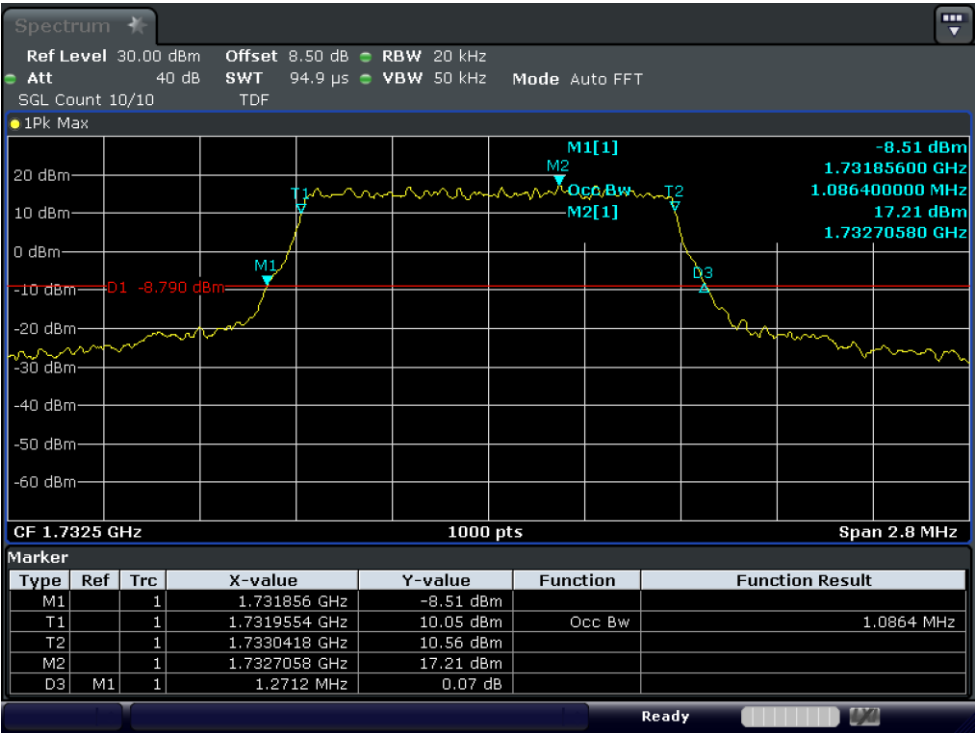


Test_Graph_band4_1710.7MHz_1.4M_16QAM_6RB#LOW_OBW&EBW

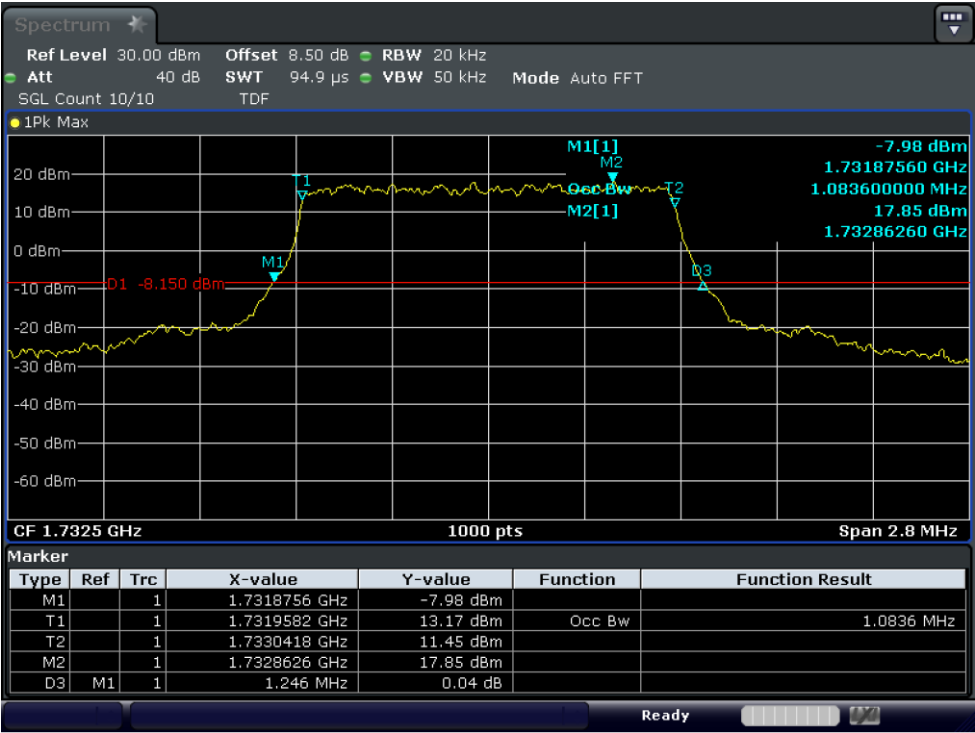


Test_Graph_band4_1710.7MHz_1.4M_QPSK_6RB#LOW_OBW&EBW

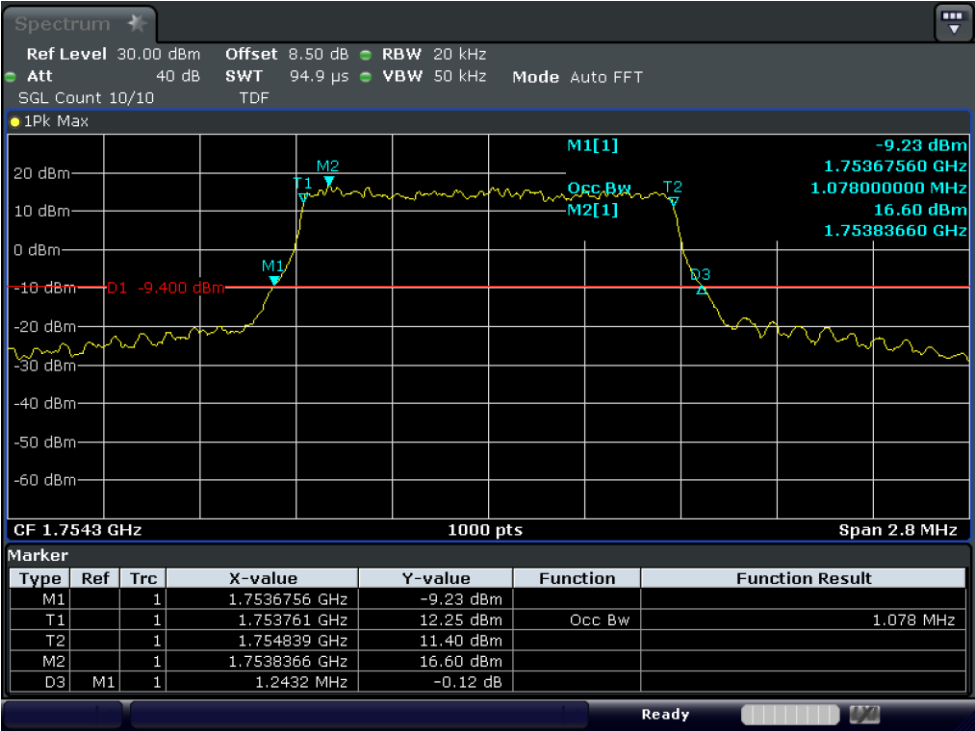




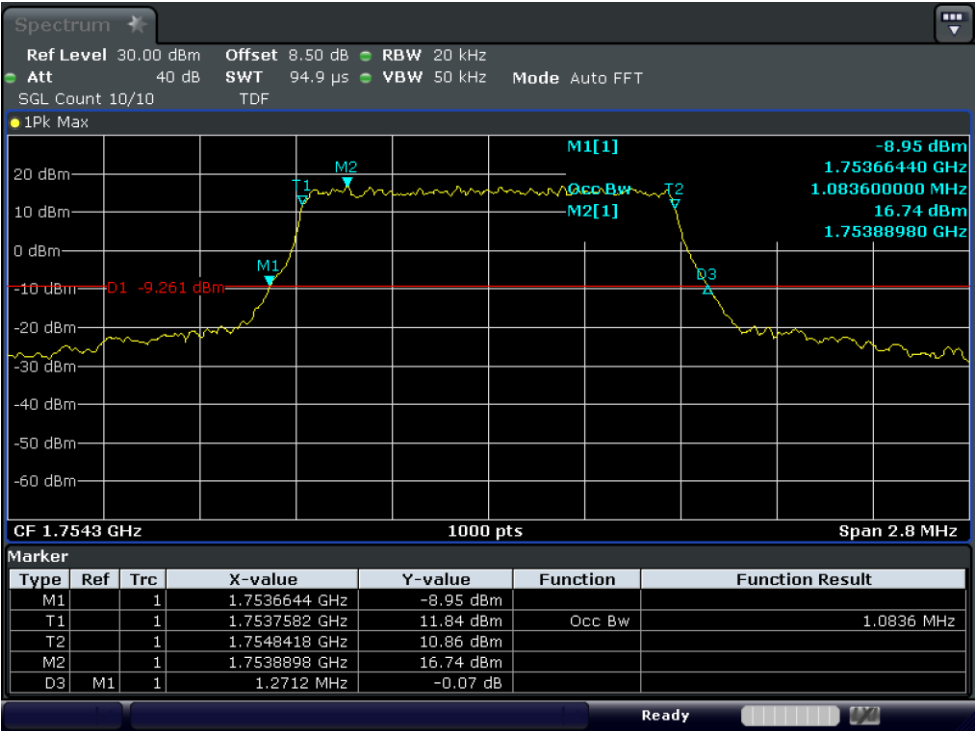
Test_Graph_band4_1732.5MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



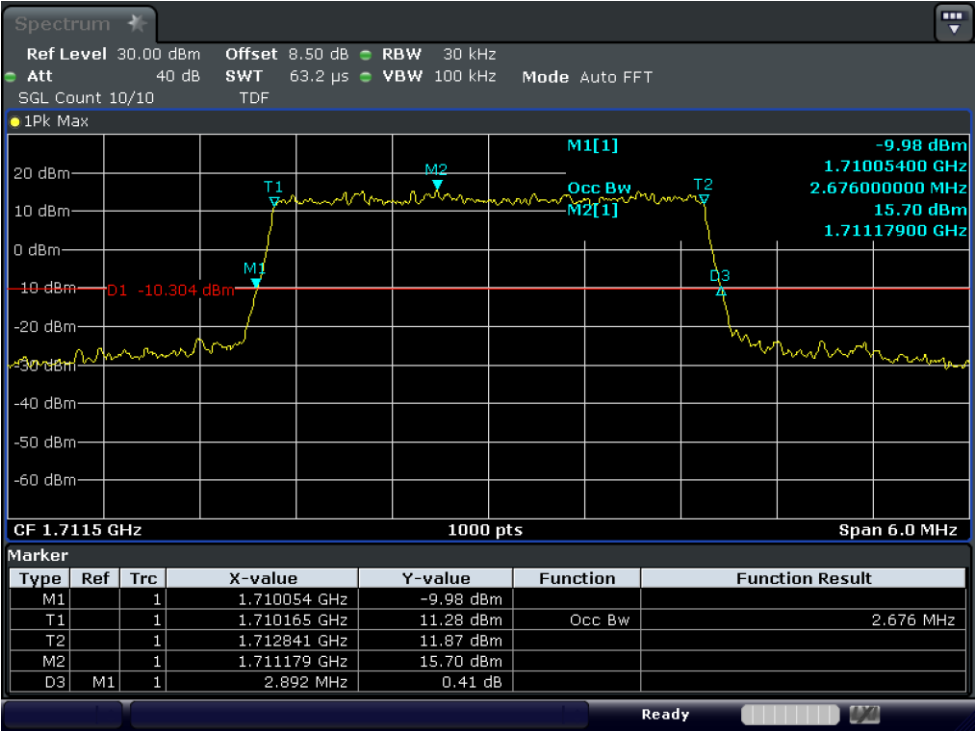
Test_Graph_band4_1732.5MHz_1.4M_QPSK_6RB#LOW_OBW&EBW



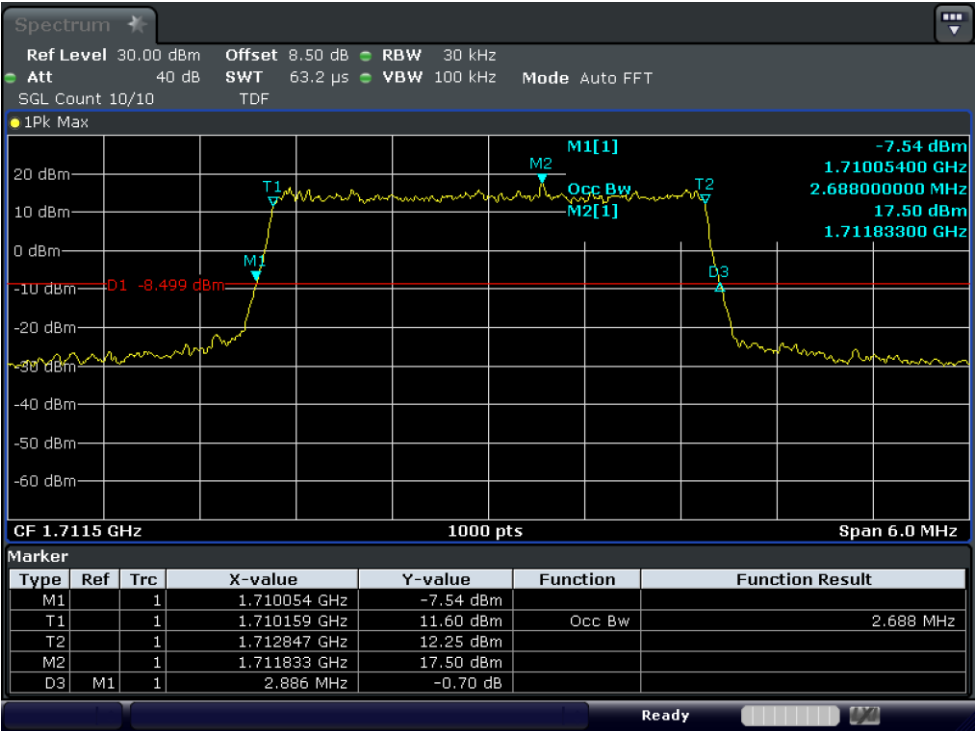
Test_Graph_band4_1754.3MHz_1.4M_16QAM_6RB#LOW_OBW&EBW



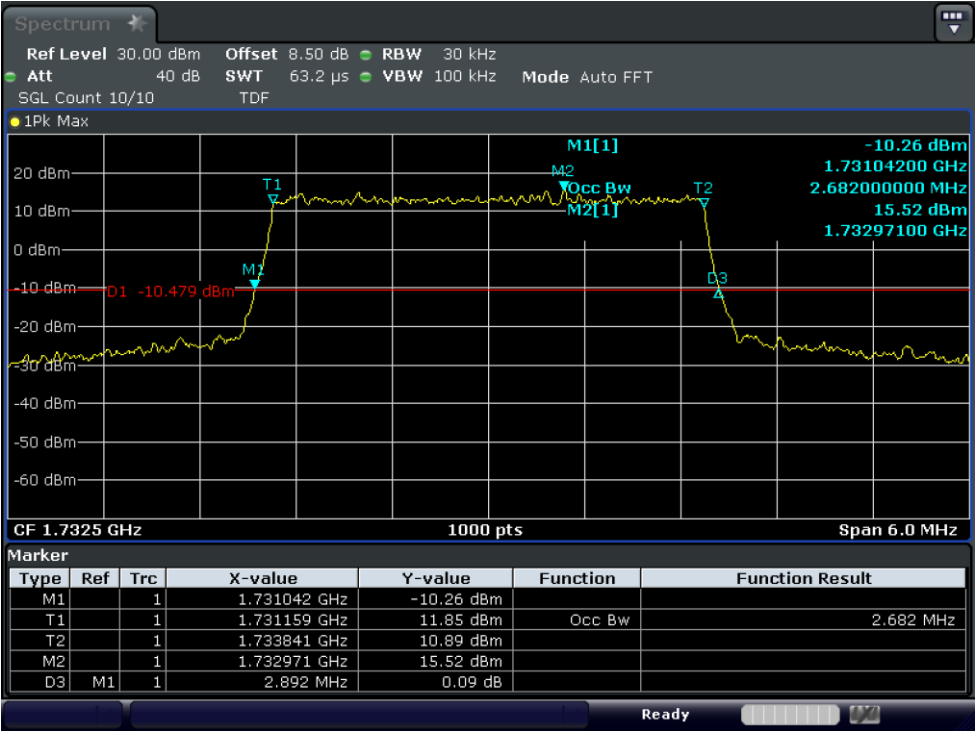
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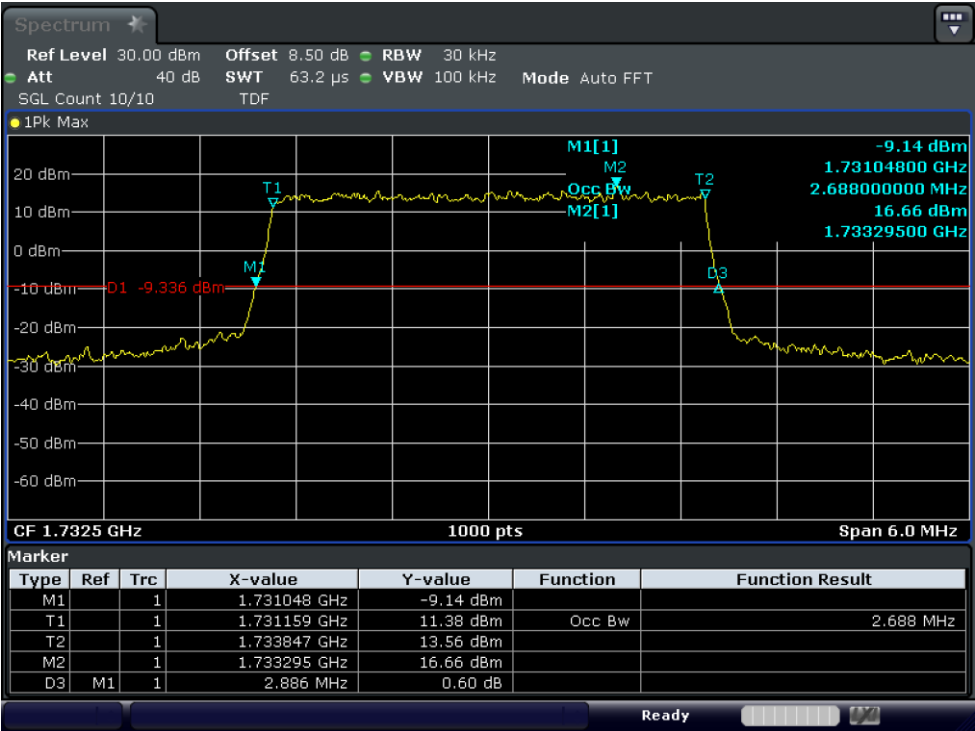
Test_Graph_band4_1711.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



Test_Graph_band4_1711.5MHz_3M_QPSK_15RB#LOW_OBW&EBW

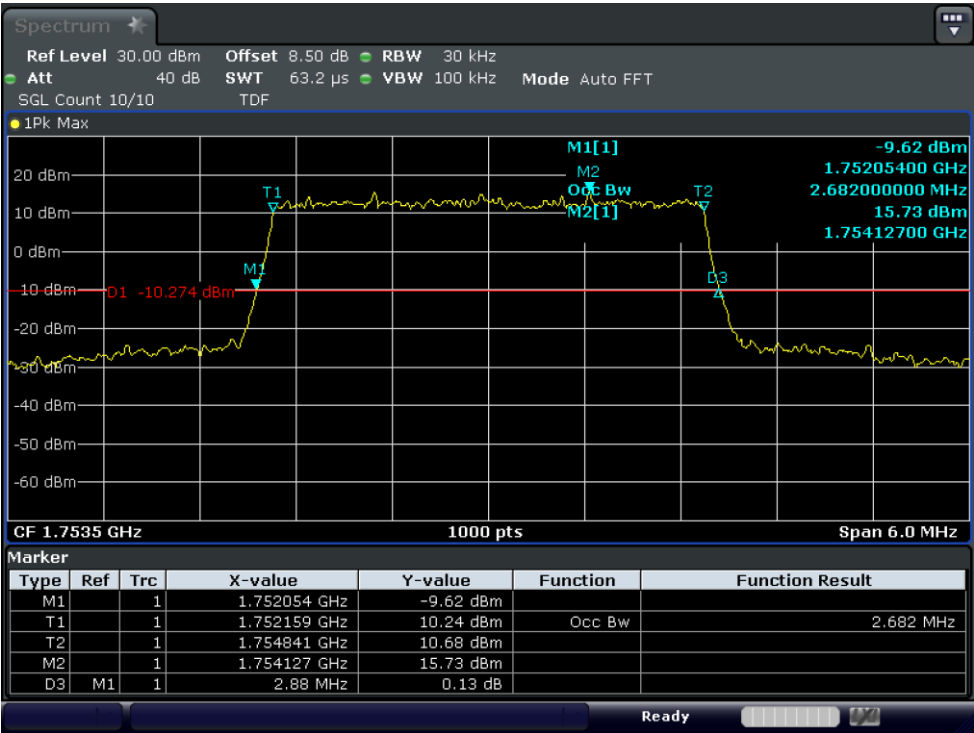


Test_Graph_band4_1732.5MHz_3M_16QAM_15RB#LOW_OBW&EBW

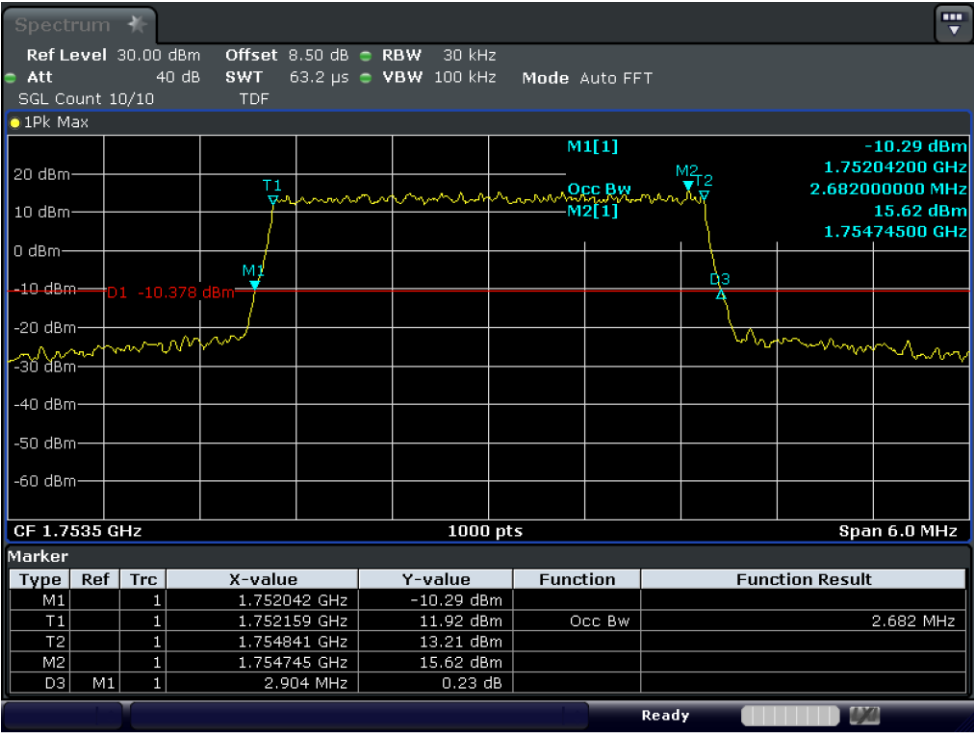


Test_Graph_band4_1732.5MHz_3M_QPSK_15RB#LOW_OBW&EBW

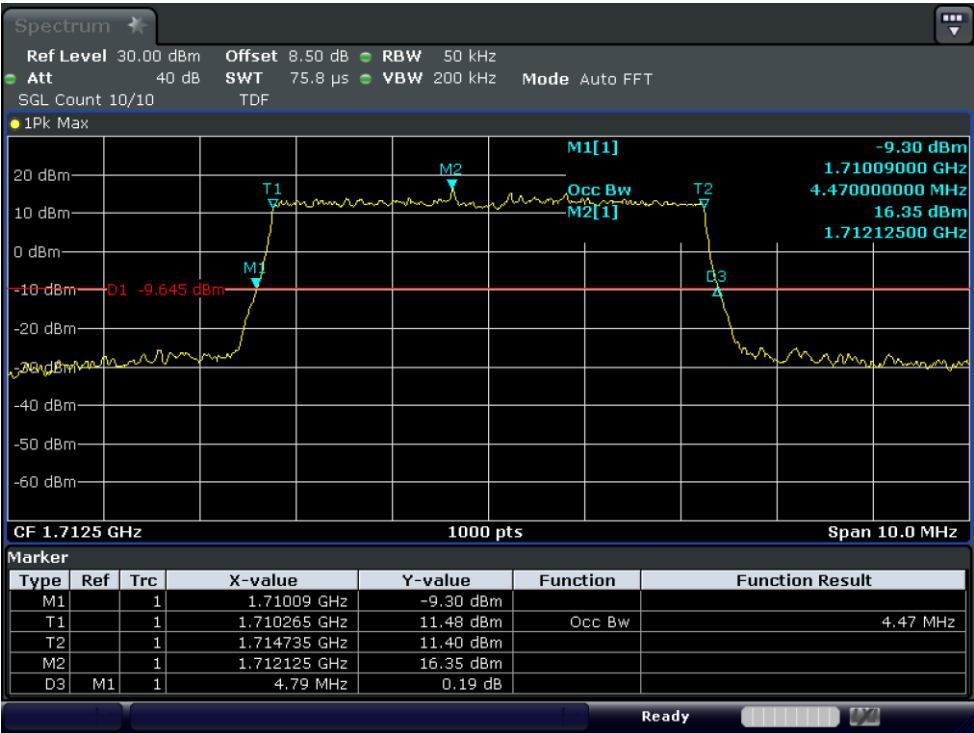




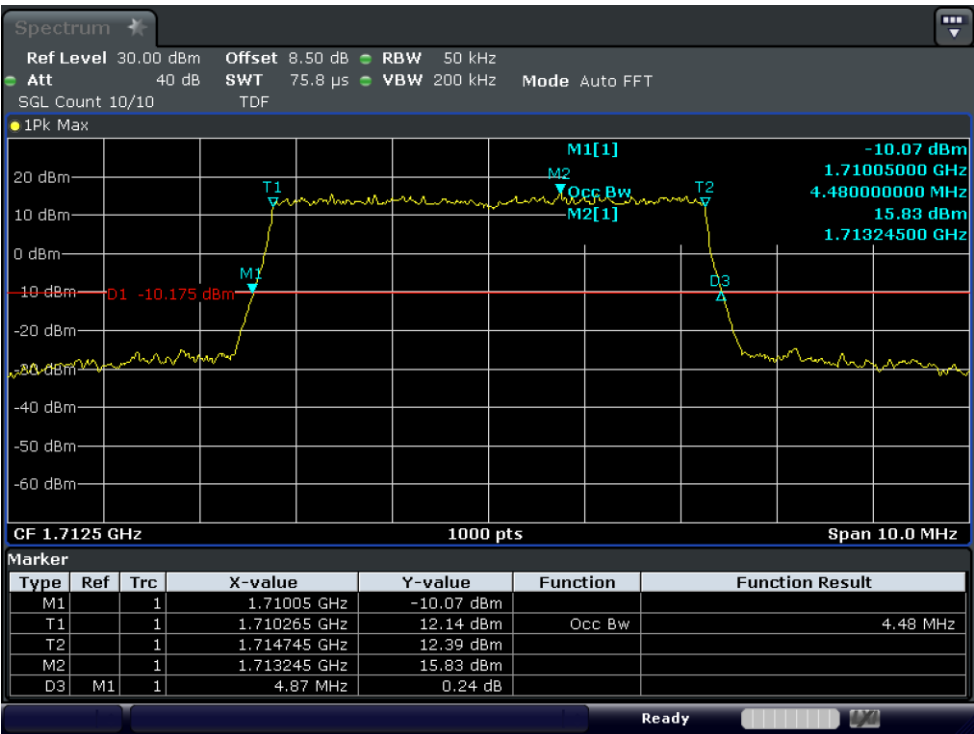
Test_Graph_band4_1753.5MHz_3M_16QAM_15RB#LOW_OBW&EBW



Test_Graph_band4_1753.5MHz_3M_QPSK_15RB#LOW_OBW&EBW

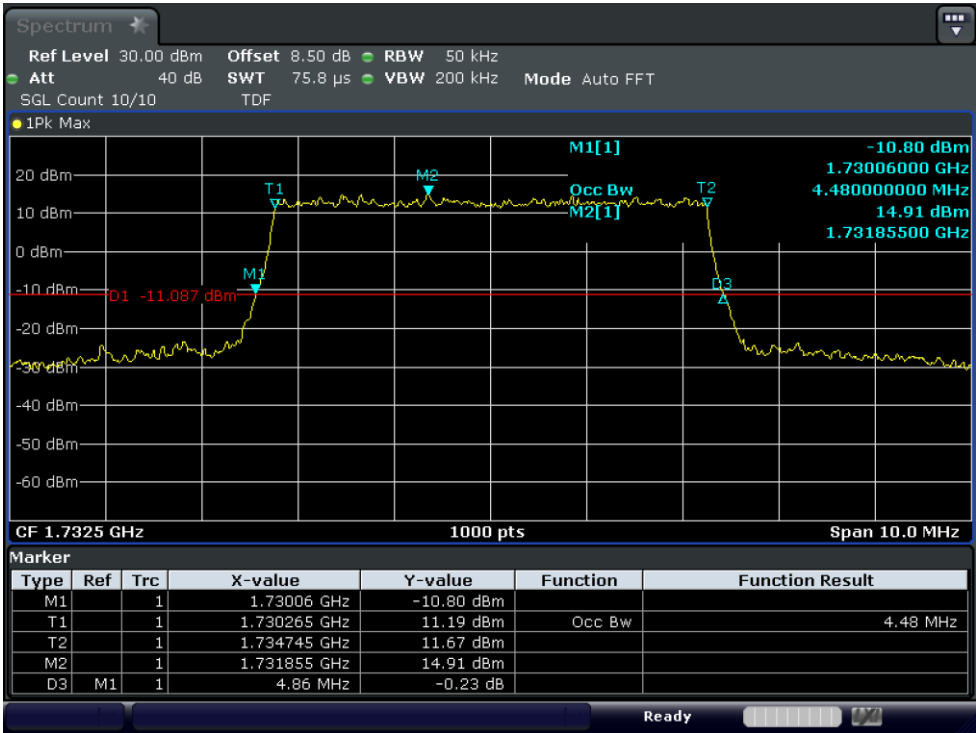


Test_Graph_band4_1712.5MHz_5M_16QAM_25RB#LOW_OBW&EBW

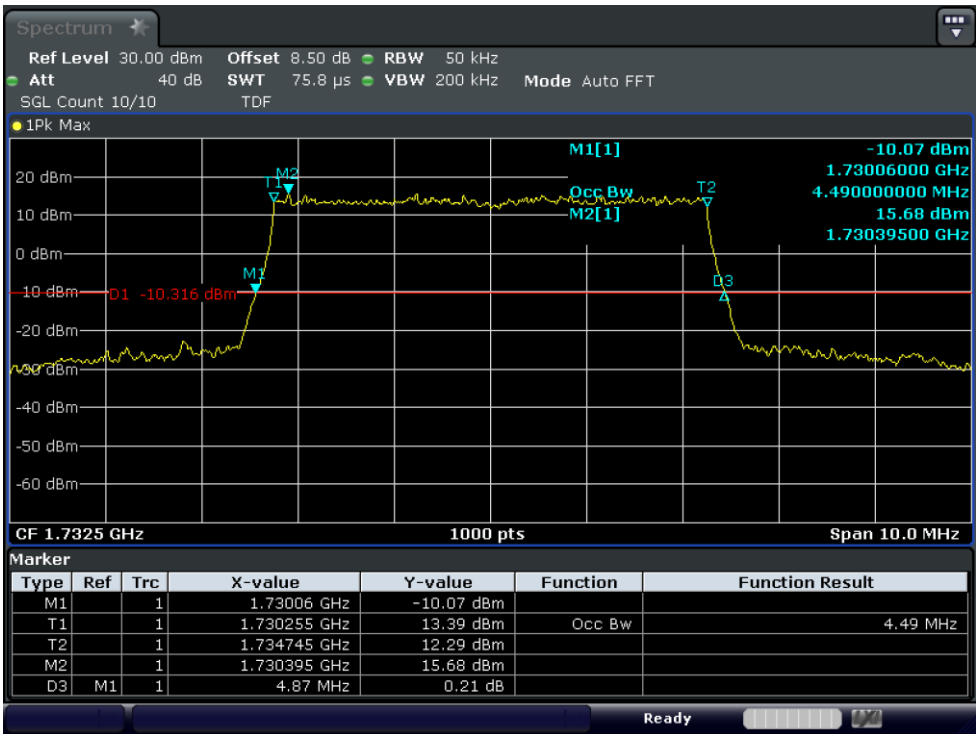


Test_Graph_band4_1712.5MHz_5M_QPSK_25RB#LOW_OBW&EBW

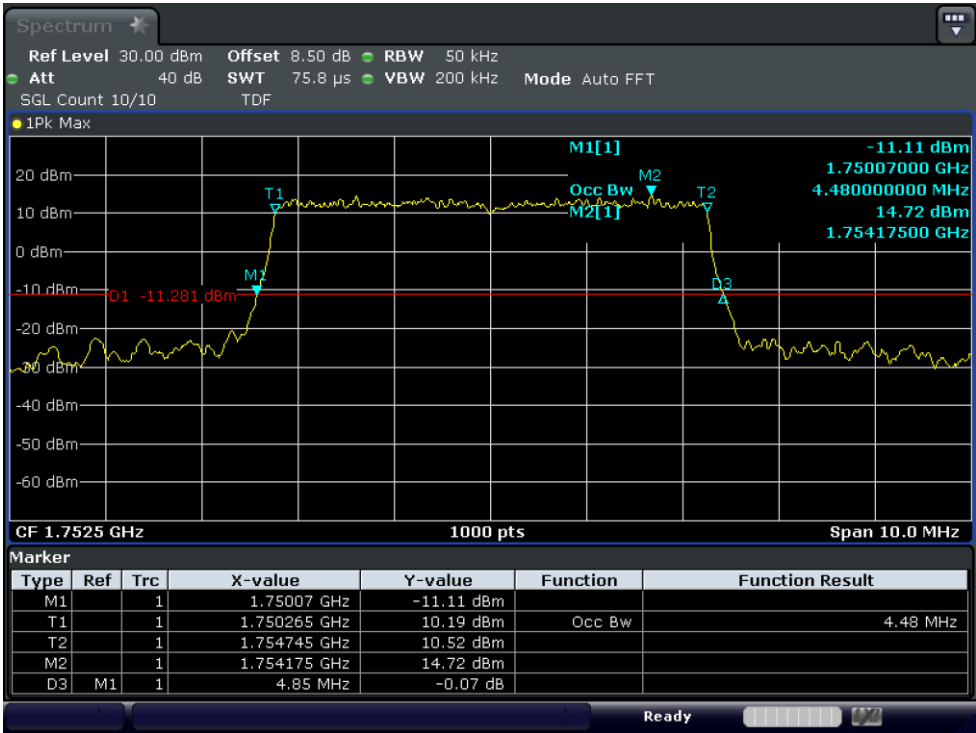




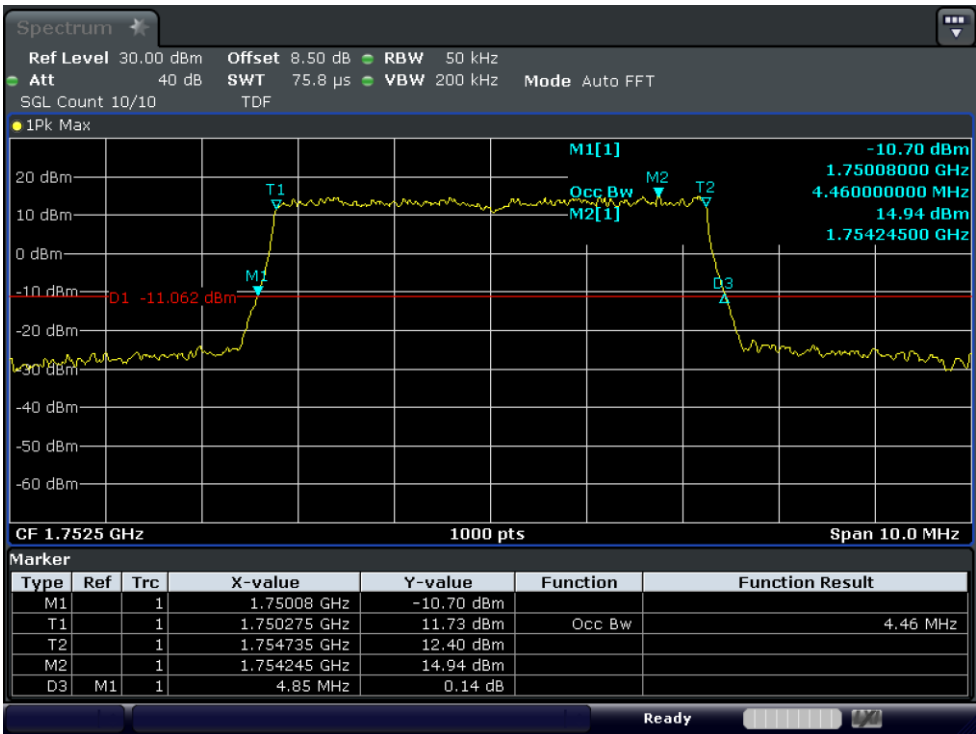
Test_Graph_band4_1732.5MHz_5M_16QAM_25RB#LOW_OBW&EBW



Test_Graph_band4_1732.5MHz_5M_QPSK_25RB#LOW_OBW&EBW

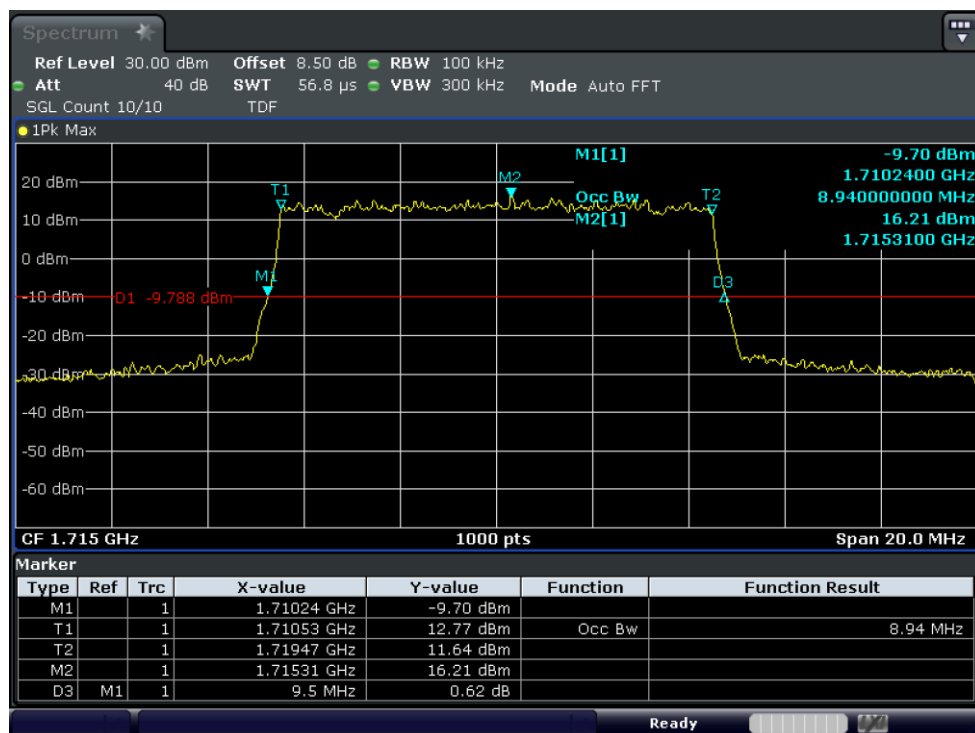


Test_Graph_band4_1752.5MHz_5M_16QAM_25RB#LOW_OBW&EBW

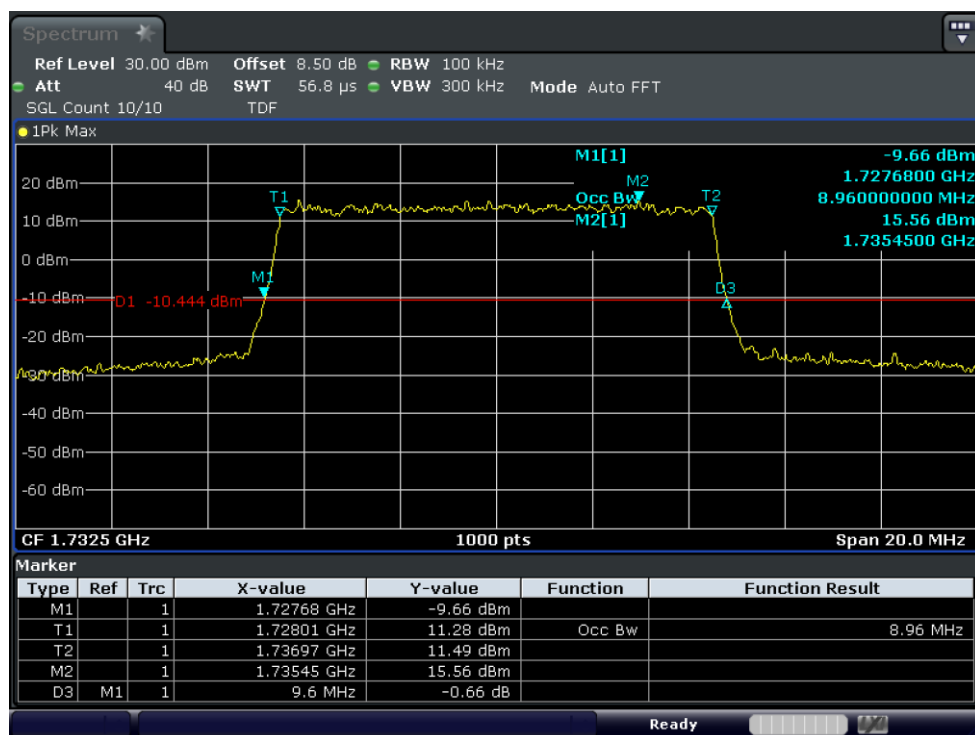


Test_Graph_band4_1752.5MHz_5M_QPSK_25RB#LOW_OBW&EBW



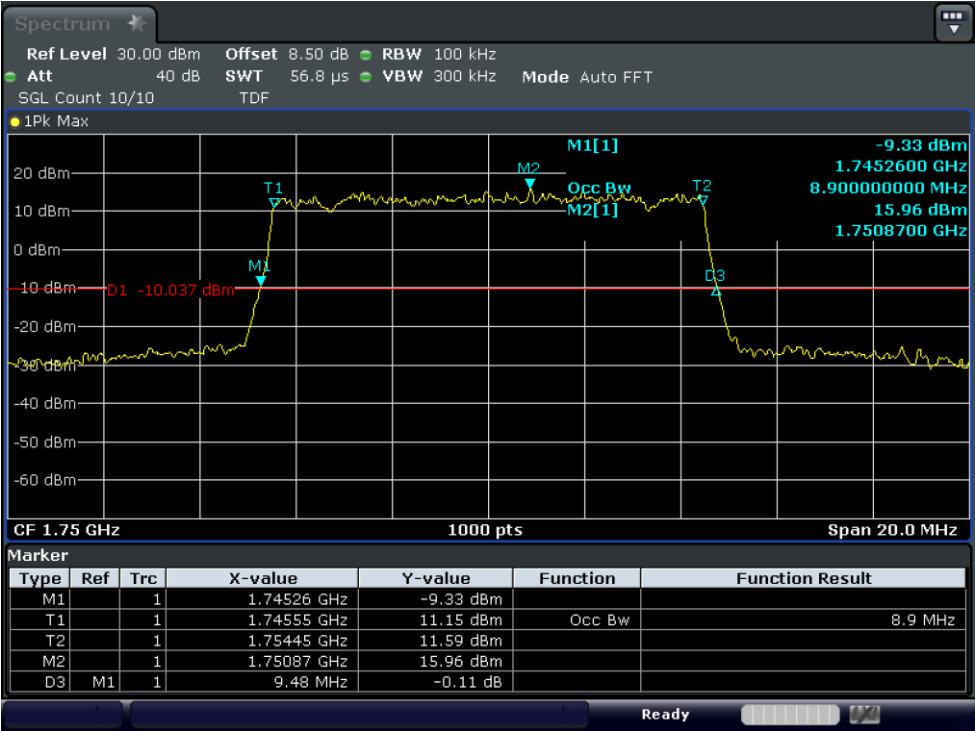


Test_Graph_band4_1715MHz_10M_QPSK_50RB#LOW_OBW&EBW

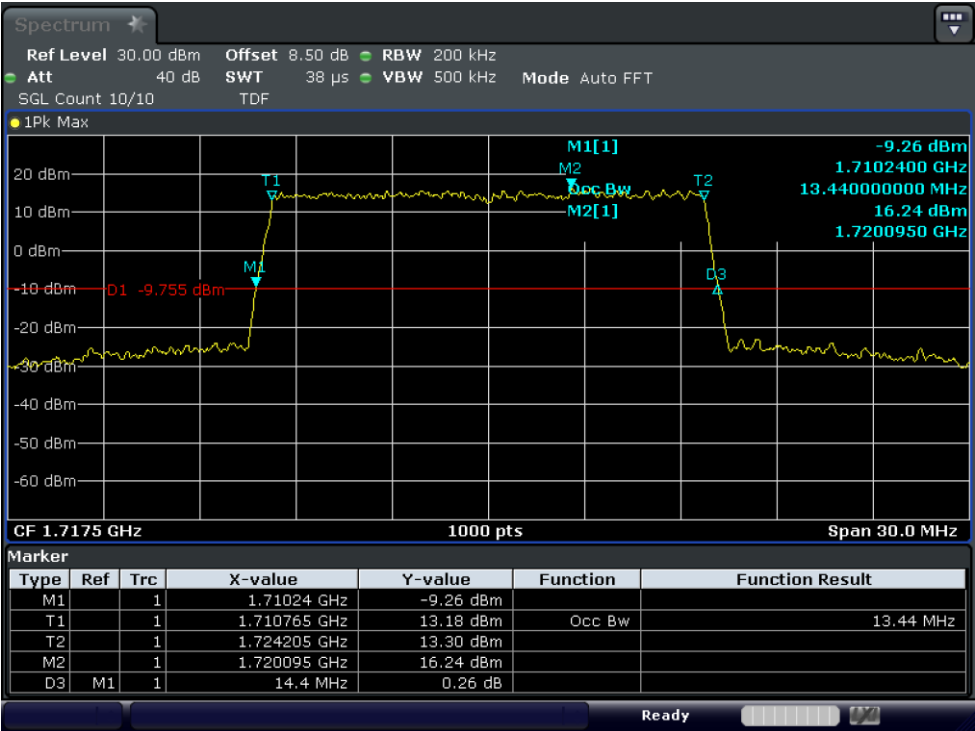


Test_Graph_band4_1732.5MHz_10M_QPSK_50RB#LOW_OBW&EBW

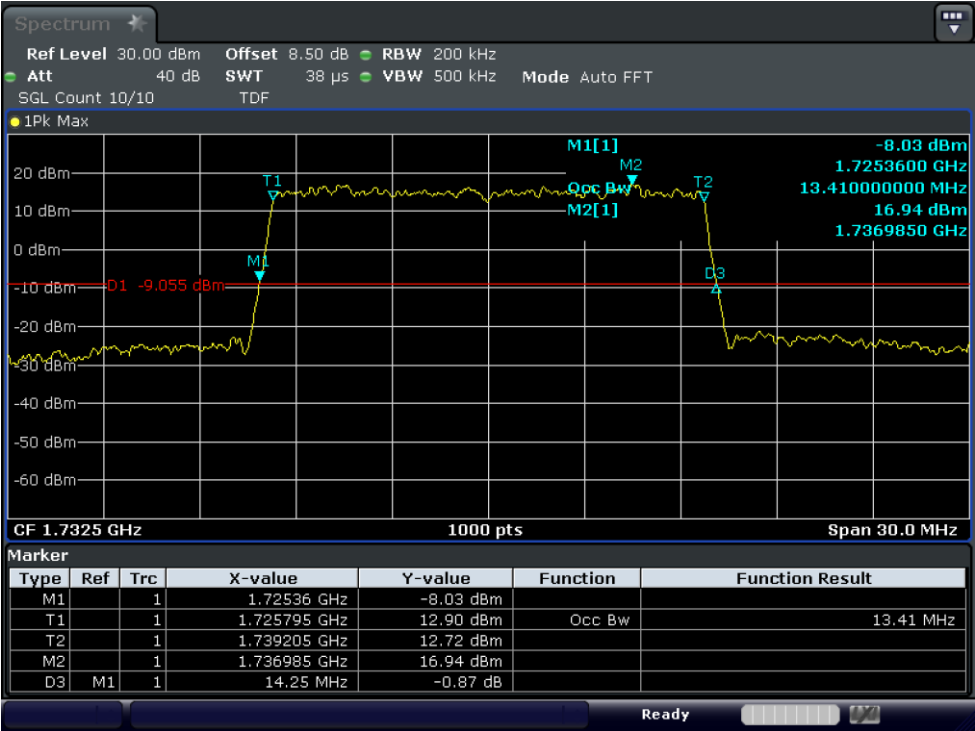




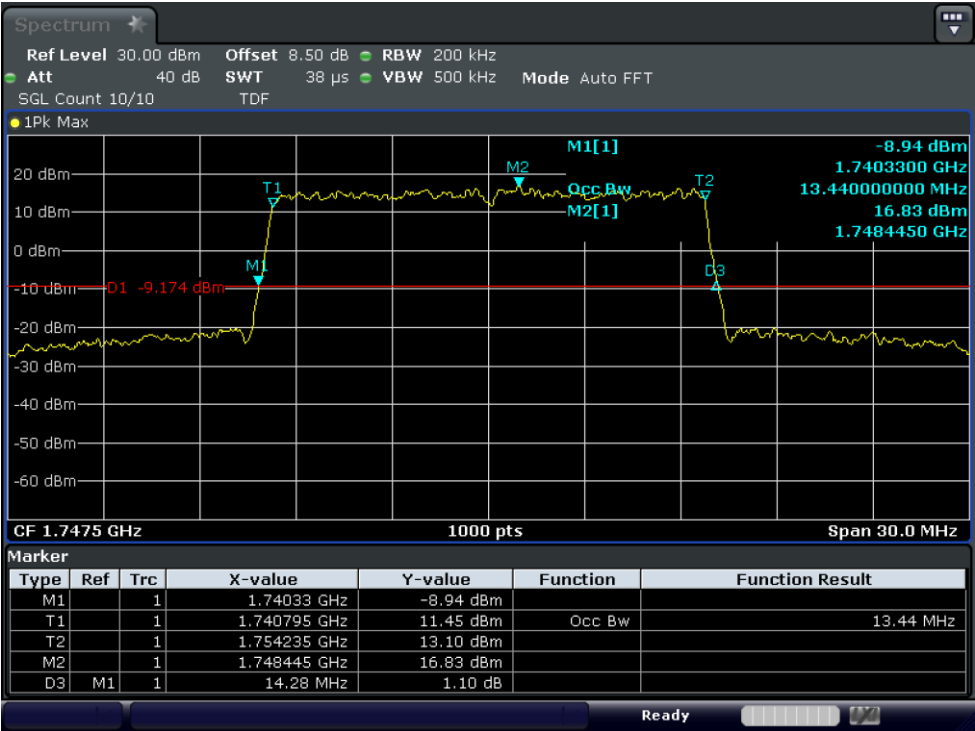
Test_Graph_band4_1750MHz_10M_QPSK_50RB#LOW_OBW&EBW



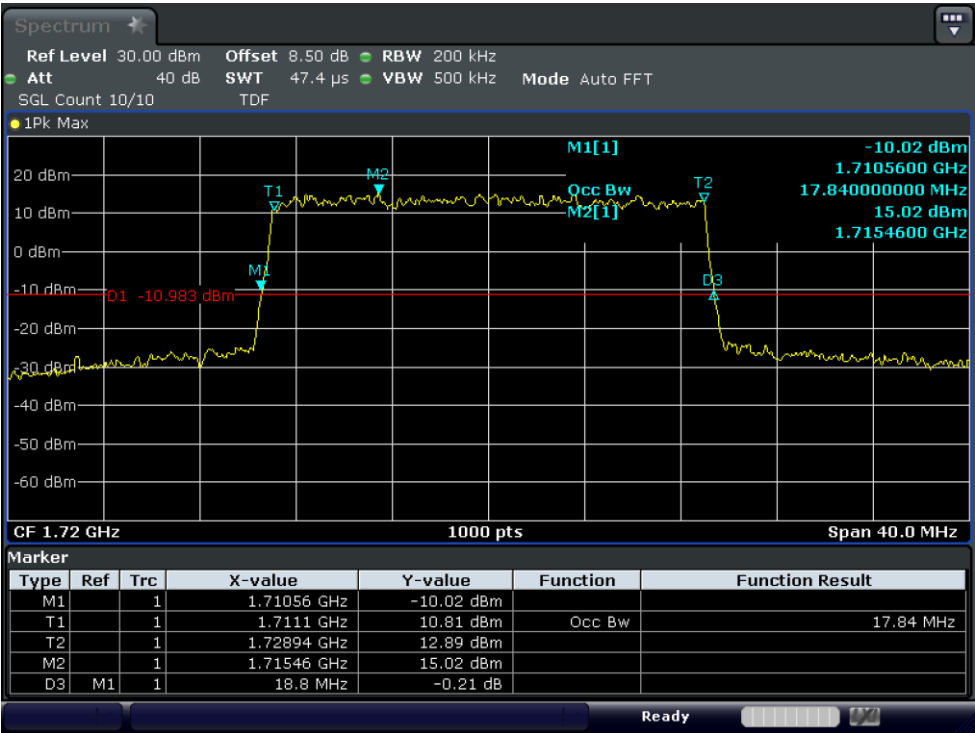
Test_Graph_band4_1717.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



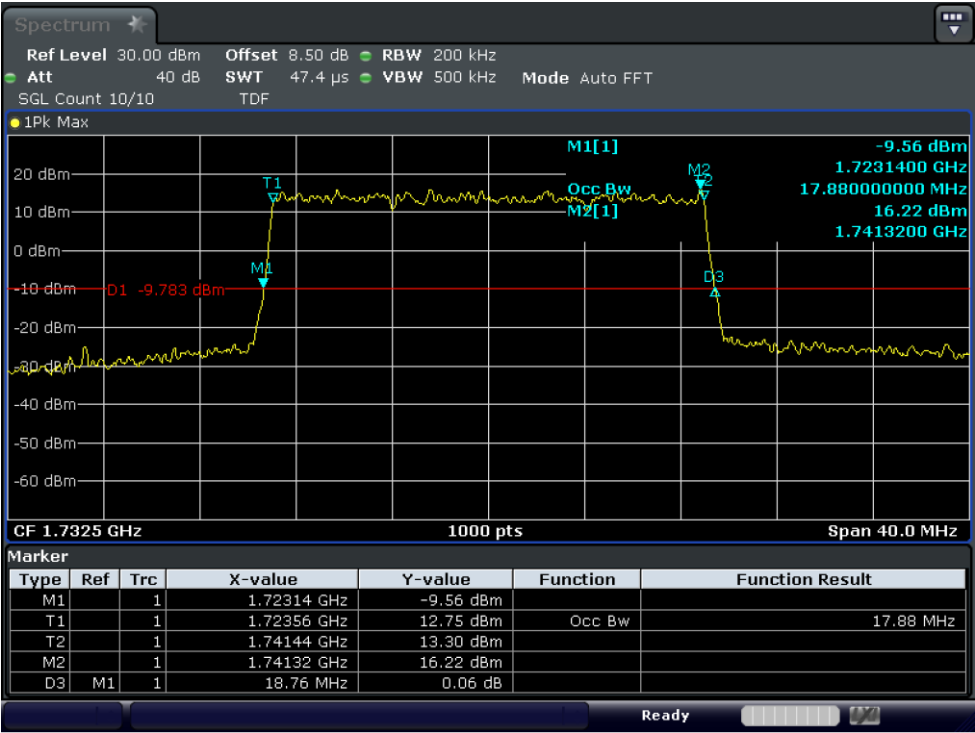
Test_Graph_band4_1732.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



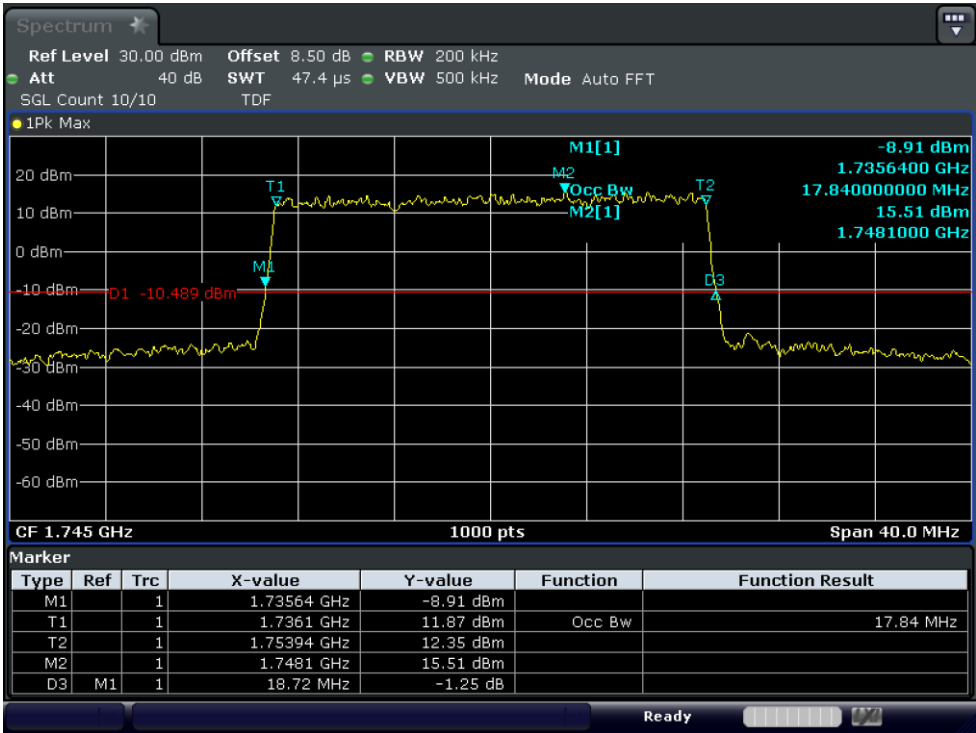
Test_Graph_band4_1747.5MHz_15M_QPSK_75RB#LOW_OBW&EBW



Test_Graph_band4_1720MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band4_1732.5MHz_20M_QPSK_100RB#LOW_OBW&EBW



Test_Graph_band4_1745MHz_20M_QPSK_100RB#LOW_OBW&EBW

Appendix C: Band edge emissions

Test Result

Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
4	1.4	1710.7	QPSK	1	LOW	Pass
4	1.4	1710.7	QPSK	6	LOW	Pass
4	1.4	1710.7	16QAM	1	LOW	Pass
4	1.4	1710.7	16QAM	6	LOW	Pass
4	1.4	1754.3	QPSK	1	HIGH	Pass
4	1.4	1754.3	QPSK	6	LOW	Pass
4	1.4	1754.3	16QAM	1	HIGH	Pass
4	1.4	1754.3	16QAM	6	LOW	Pass
4	3	1711.5	QPSK	1	LOW	Pass
4	3	1711.5	QPSK	15	LOW	Pass
4	3	1711.5	16QAM	1	LOW	Pass
4	3	1711.5	16QAM	15	LOW	Pass
4	3	1753.5	QPSK	1	HIGH	Pass
4	3	1753.5	QPSK	15	LOW	Pass
4	3	1753.5	16QAM	1	HIGH	Pass
4	3	1753.5	16QAM	15	LOW	Pass
4	5	1712.5	QPSK	1	LOW	Pass
4	5	1712.5	QPSK	25	LOW	Pass
4	5	1712.5	16QAM	1	LOW	Pass
4	5	1712.5	16QAM	25	LOW	Pass
4	5	1752.5	QPSK	1	HIGH	Pass
4	5	1752.5	QPSK	25	LOW	Pass
4	5	1752.5	16QAM	1	HIGH	Pass
4	5	1752.5	16QAM	25	LOW	Pass
4	10	1715	QPSK	1	LOW	Pass
4	10	1715	QPSK	50	LOW	Pass
4	10	1715	16QAM	1	LOW	Pass
4	10	1750	QPSK	1	HIGH	Pass
4	10	1750	QPSK	50	LOW	Pass
4	10	1750	16QAM	1	HIGH	Pass
4	15	1717.5	QPSK	1	LOW	Pass
4	15	1717.5	QPSK	75	LOW	Pass
4	15	1717.5	16QAM	1	LOW	Pass
4	15	1747.5	QPSK	1	HIGH	Pass
4	15	1747.5	QPSK	75	LOW	Pass
4	15	1747.5	16QAM	1	HIGH	Pass
4	20	1720	QPSK	1	LOW	Pass

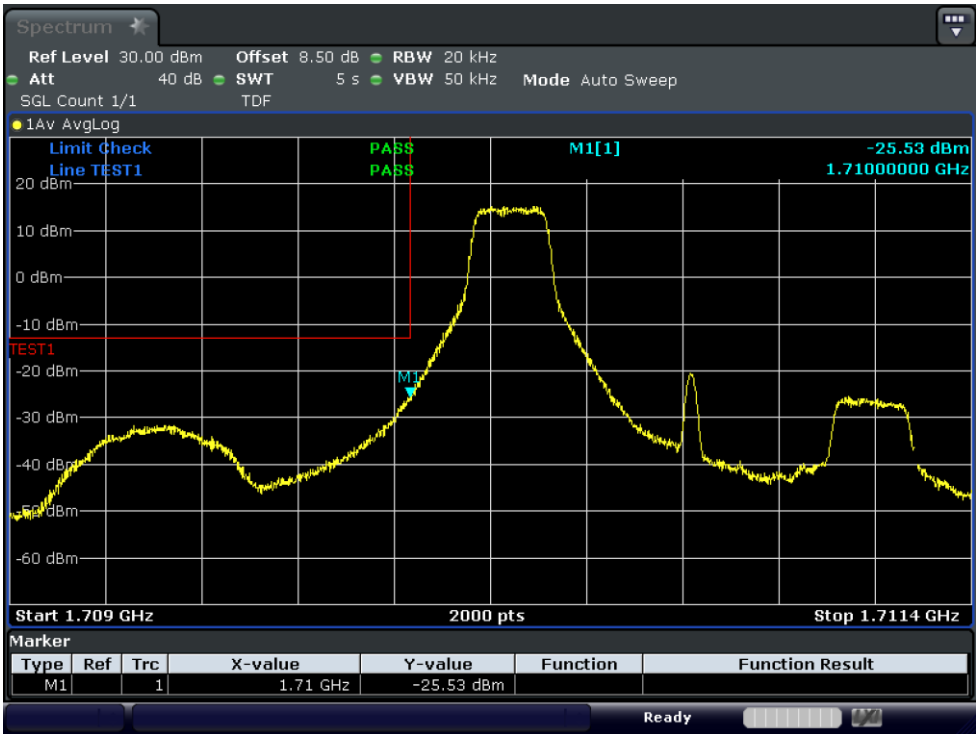




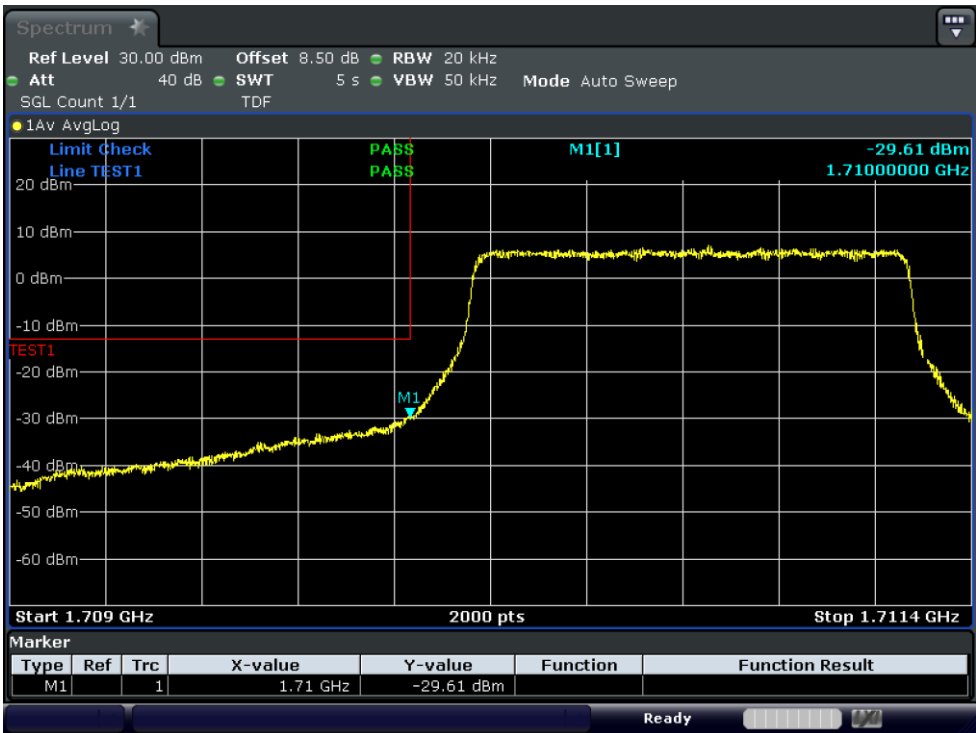
Band	Bandwidth (MHz)	UL Frequency (MHz)	Modulation	RB Size	RB Offset	Conclusion
4	20	1720	QPSK	100	LOW	Pass
4	20	1720	16QAM	1	LOW	Pass
4	20	1745	QPSK	1	HIGH	Pass
4	20	1745	QPSK	100	LOW	Pass
4	20	1745	16QAM	1	HIGH	Pass



Test Graphs

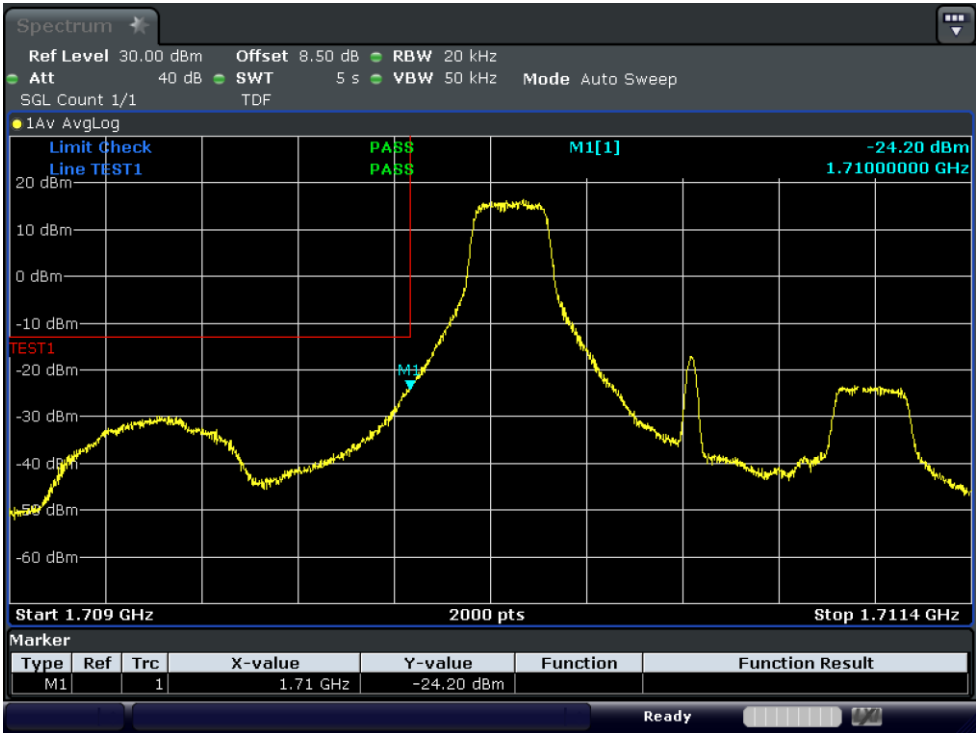


Test_Graph_band4_1710.7MHz_1.4M_16QAM_1RB#LOW_Band edge

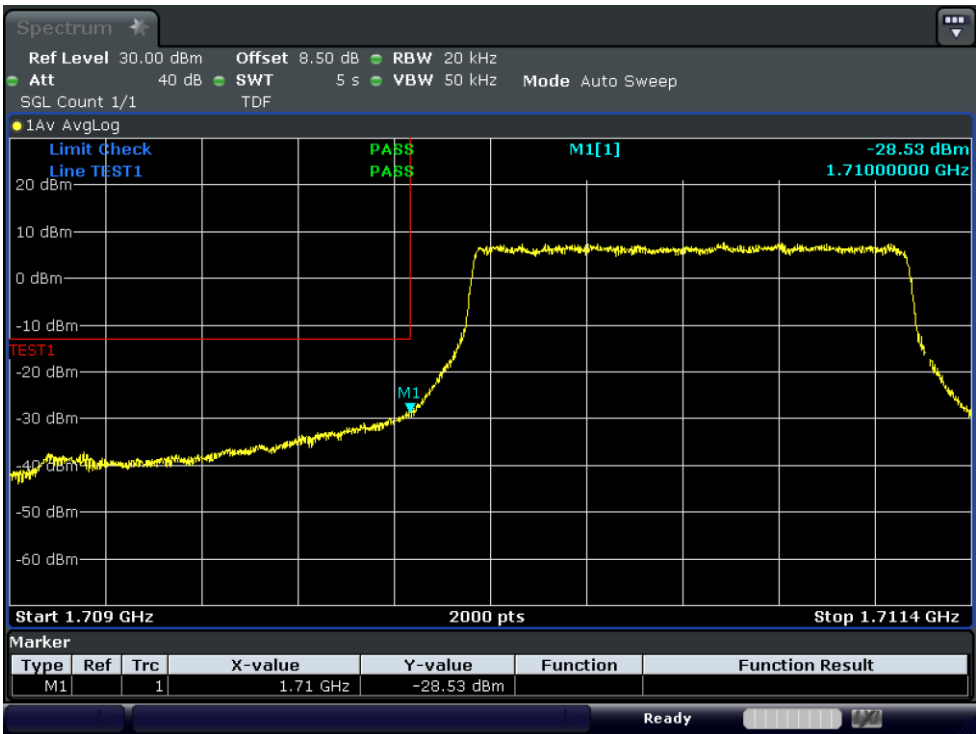


Test_Graph_band4_1710.7MHz_1.4M_16QAM_6RB#LOW_Band edge





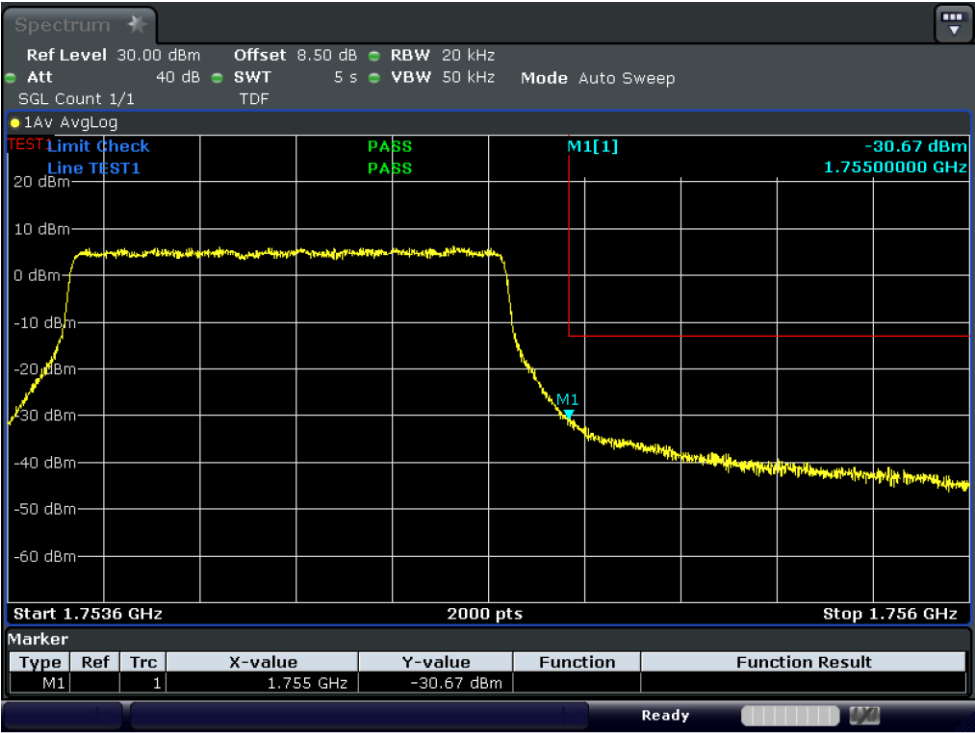
Test_Graph_band4_1710.7MHz_1.4M_QPSK_1RB#LOW_Band edge



Test_Graph_band4_1710.7MHz_1.4M_QPSK_6RB#LOW_Band edge



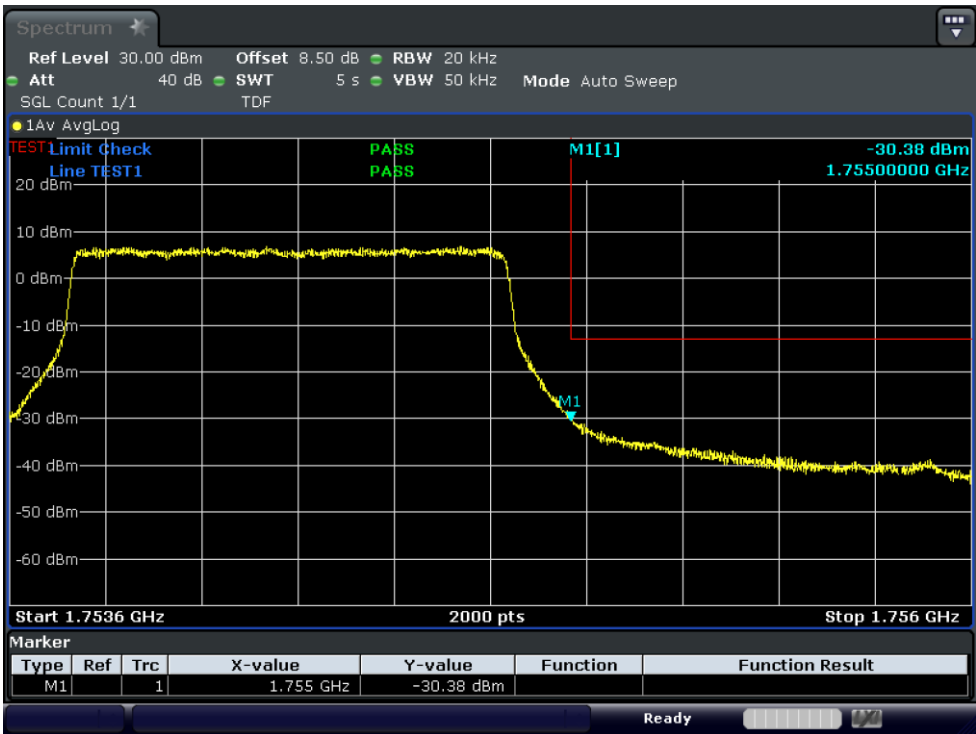
Test_Graph_band4_1754.3MHz_1.4M_16QAM_1RB#HIGH_Band edge



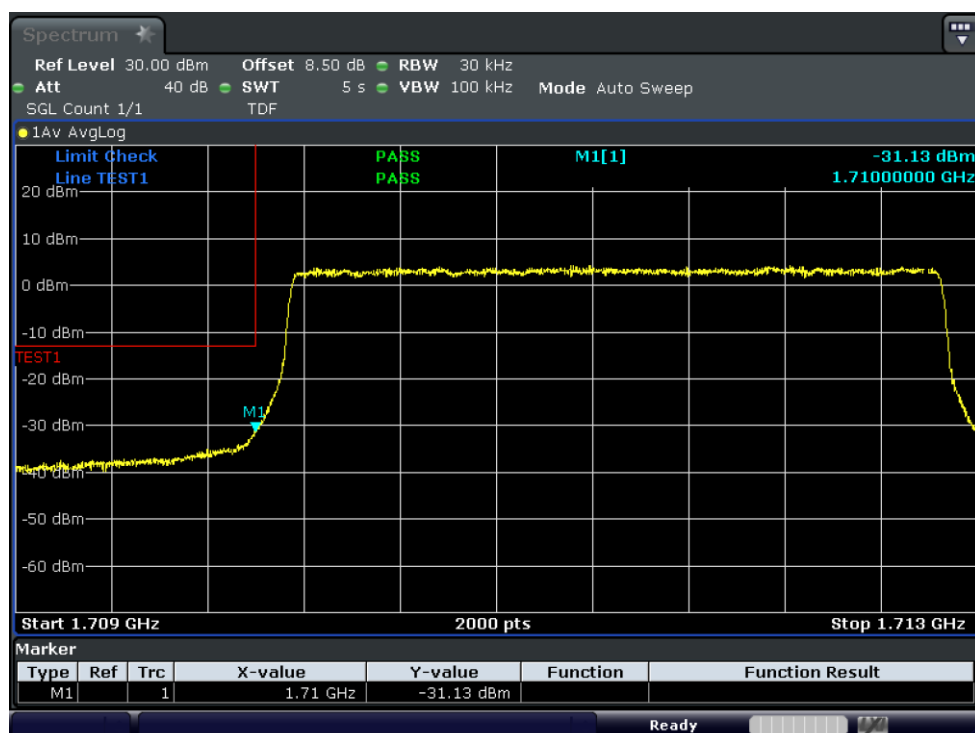
Test_Graph_band4_1754.3MHz_1.4M_16QAM_6RB#LOW_Band edge



Test_Graph_band4_1754.3MHz_1.4M_QPSK_1RB#HIGH_Band edge



Test_Graph_band4_1754.3MHz_1.4M_QPSK_6RB#LOW_Band edge

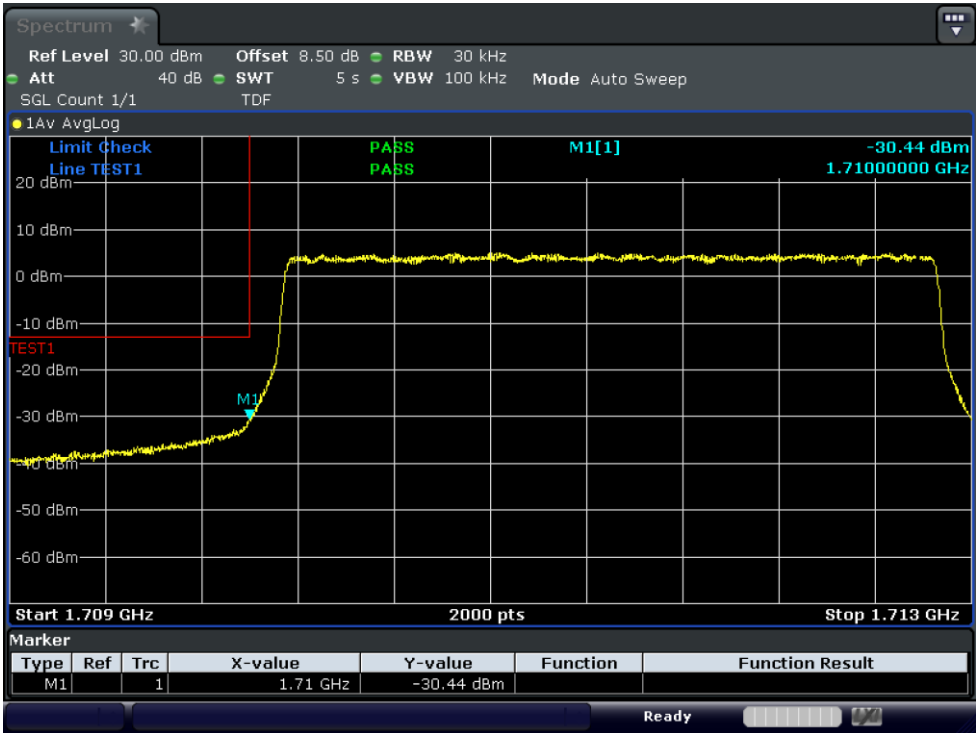


Test_Graph_band4_1711.5MHz_3M_16QAM_15RB#LOW_Band edge

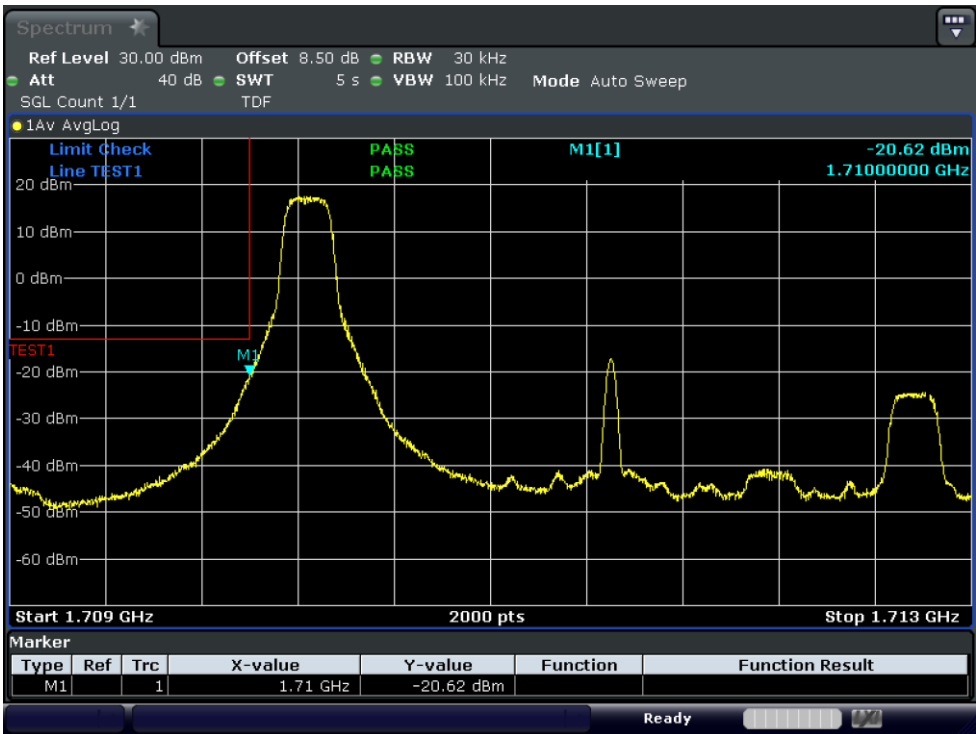


Test_Graph_band4_1711.5MHz_3M_16QAM_1RB#LOW_Band edge



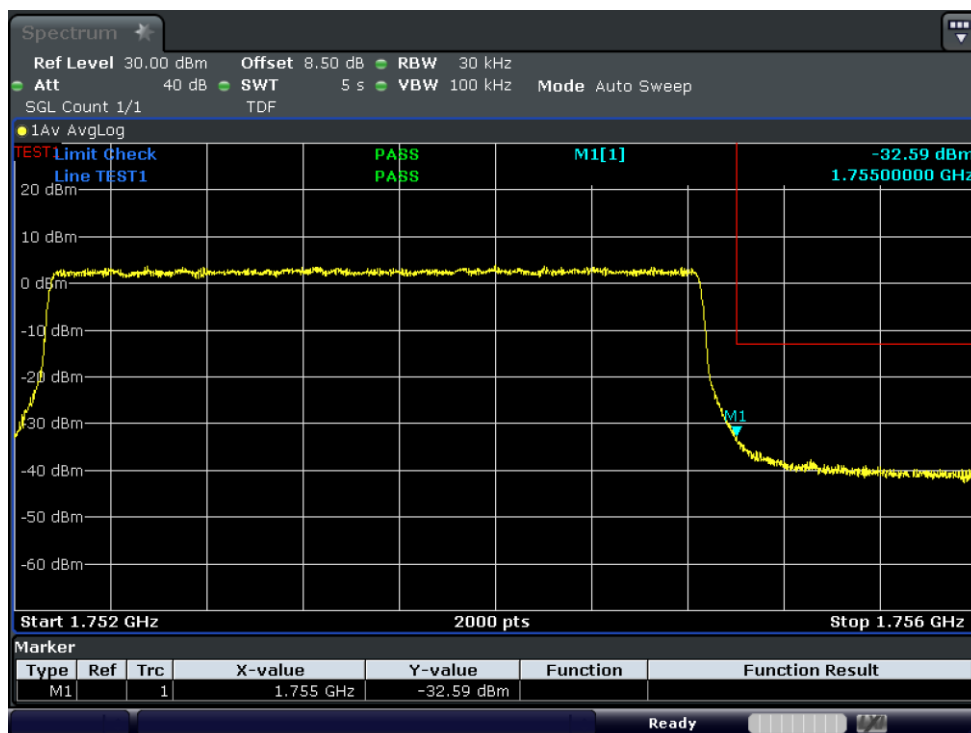


Test_Graph_band4_1711.5MHz_3M_QPSK_15RB#LOW_Band edge

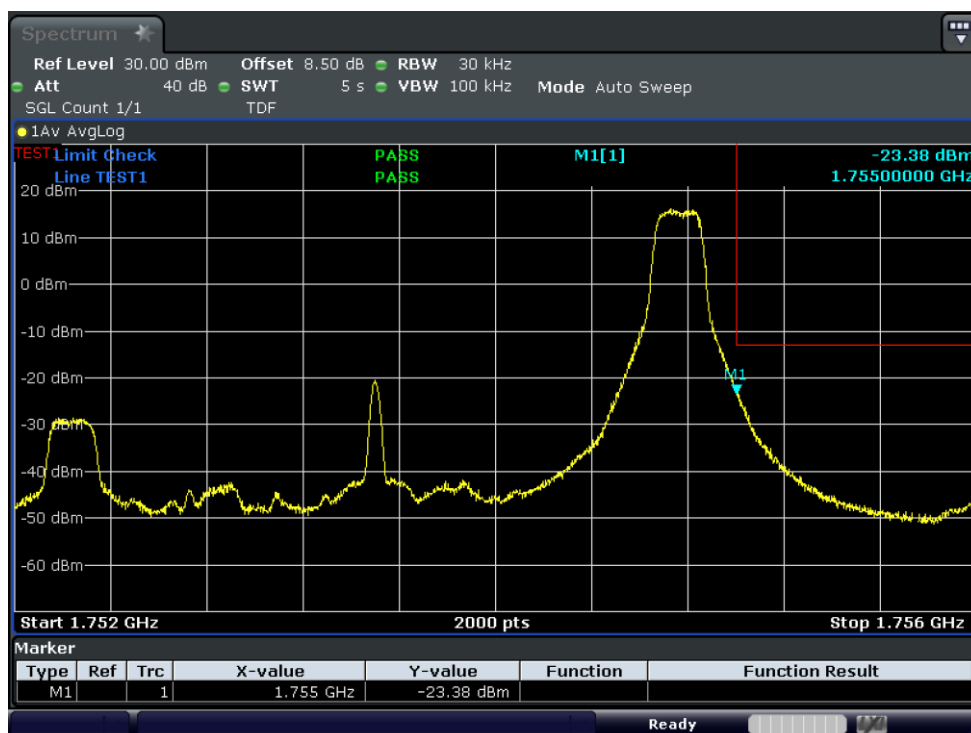


Test_Graph_band4_1711.5MHz_3M_QPSK_1RB#LOW_Band edge



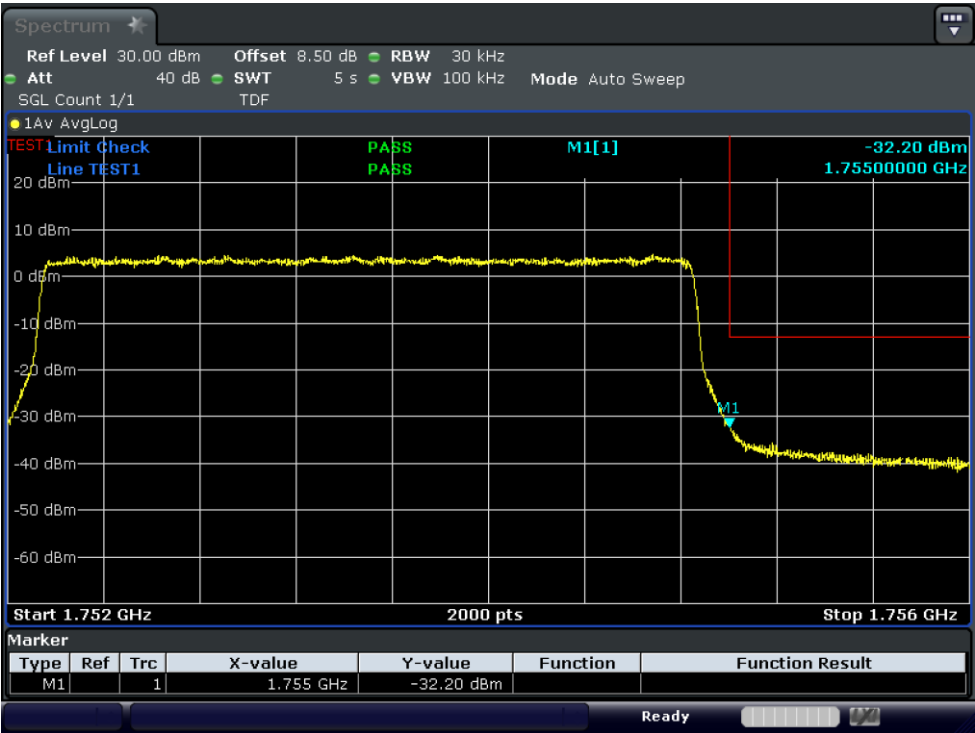


Test_Graph_band4_1753.5MHz_3M_16QAM_15RB#LOW_Band edge



Test_Graph_band4_1753.5MHz_3M_16QAM_1RB#HIGH_Band edge





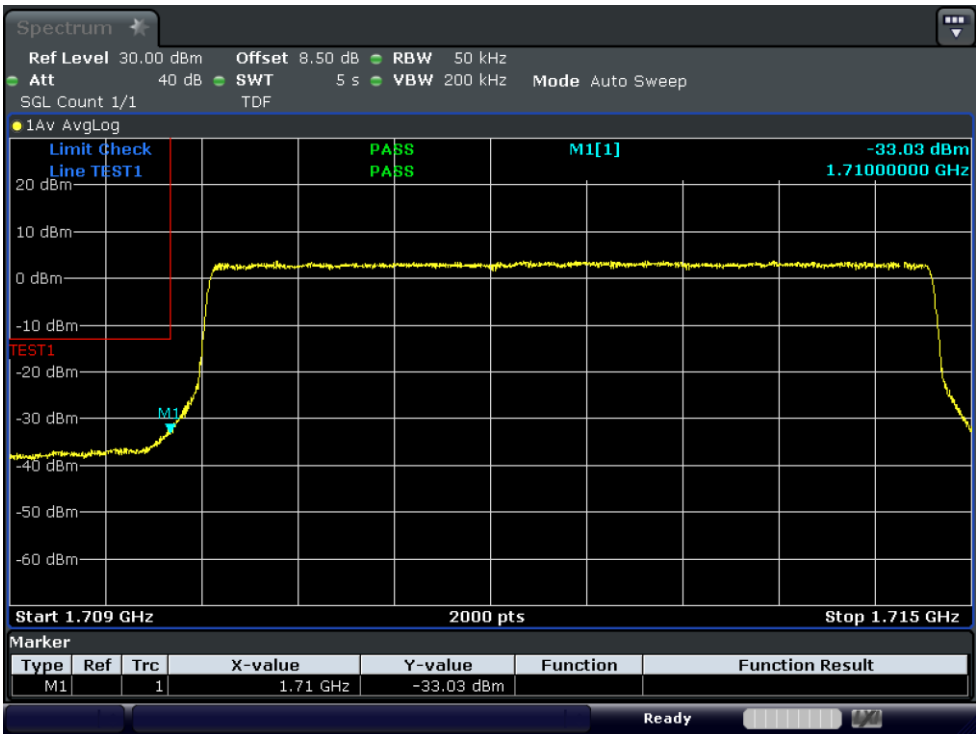
Test_Graph_band4_1753.5MHz_3M_QPSK_15RB#LOW_Band edge



Test_Graph_band4_1753.5MHz_3M_QPSK_1RB#HIGH_Band edge



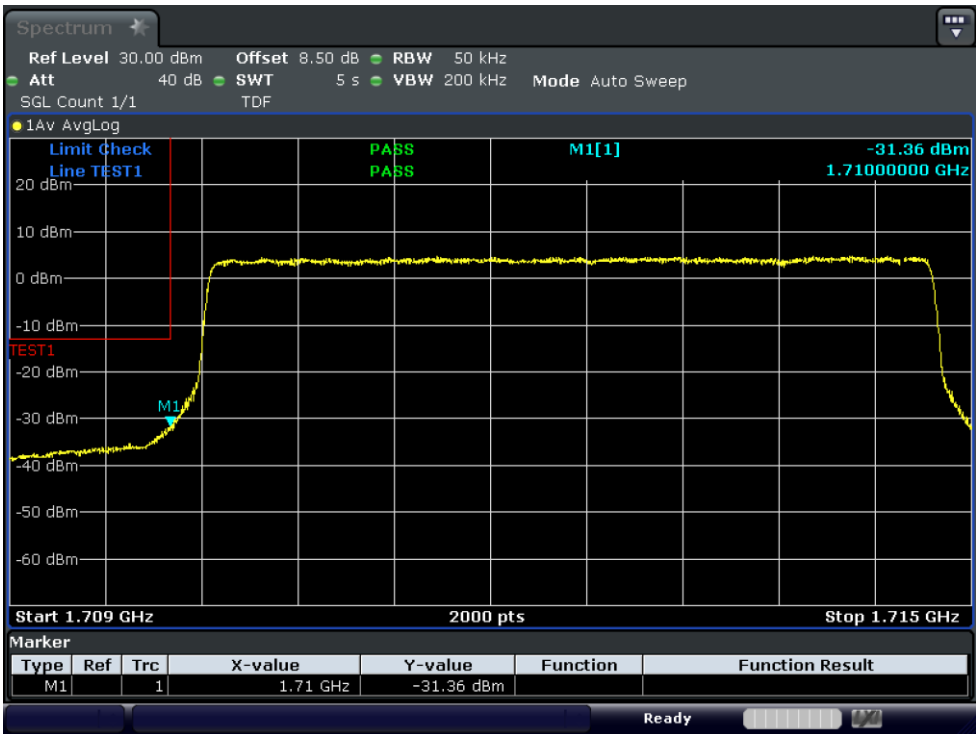
Test_Graph_band4_1712.5MHz_5M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1712.5MHz_5M_16QAM_25RB#LOW_Band edge



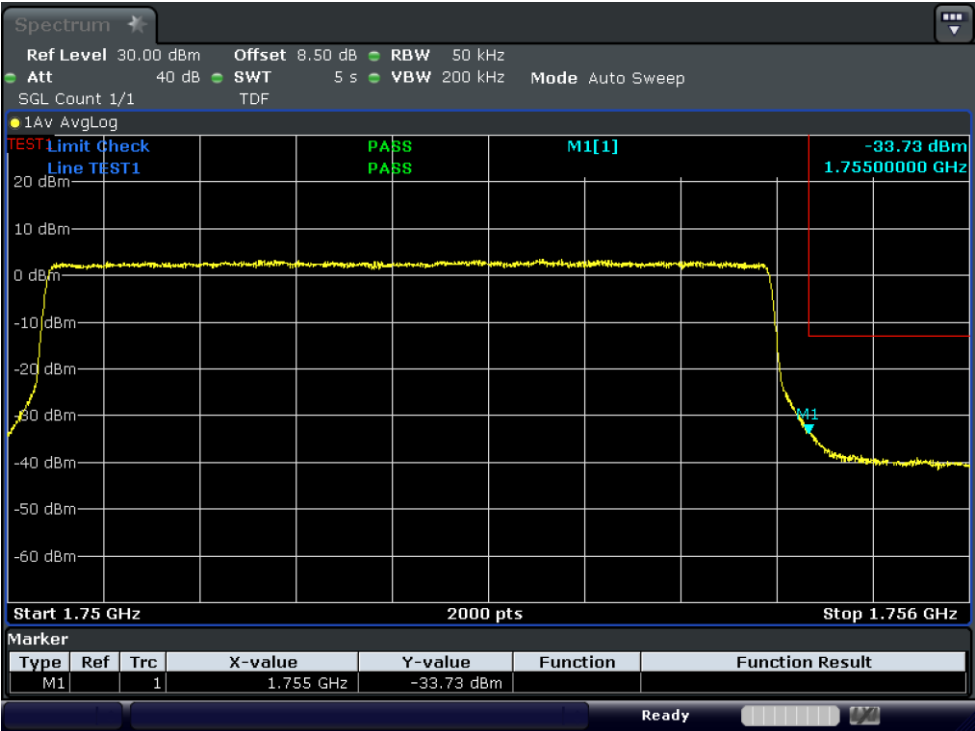
Test_Graph_band4_1712.5MHz_5M_QPSK_1RB#LOW_Band edge



Test_Graph_band4_1712.5MHz_5M_QPSK_25RB#LOW_Band edge



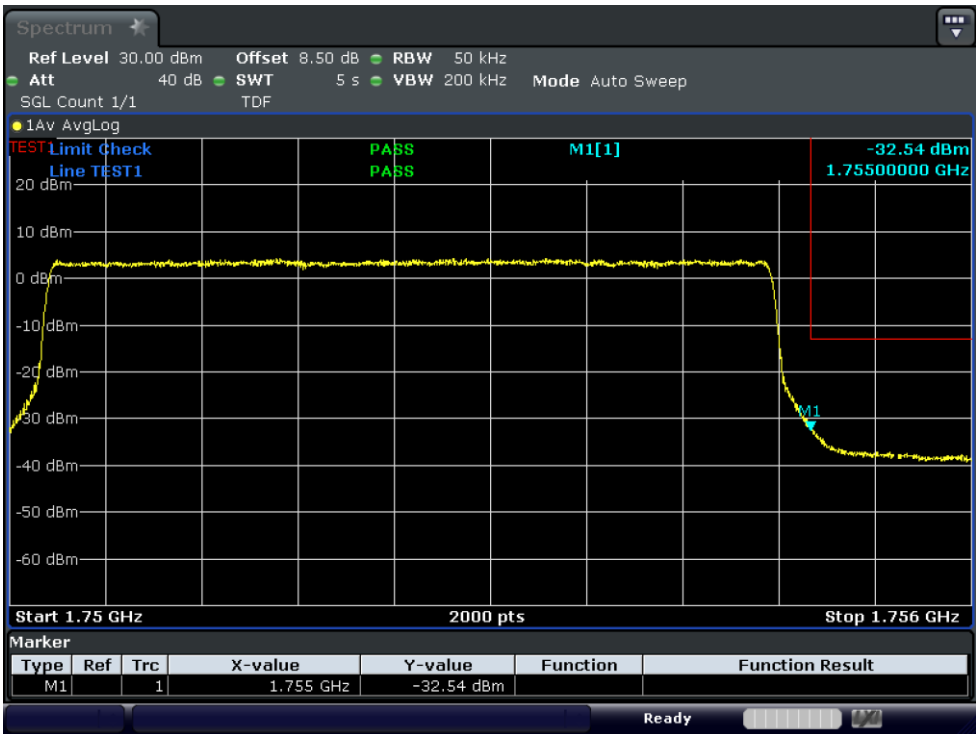
Test_Graph_band4_1752.5MHz_5M_16QAM_1RB#HIGH_Band edge



Test_Graph_band4_1752.5MHz_5M_16QAM_25RB#LOW_Band edge



Test_Graph_band4_1752.5MHz_5M_QPSK_1RB#HIGH_Band edge



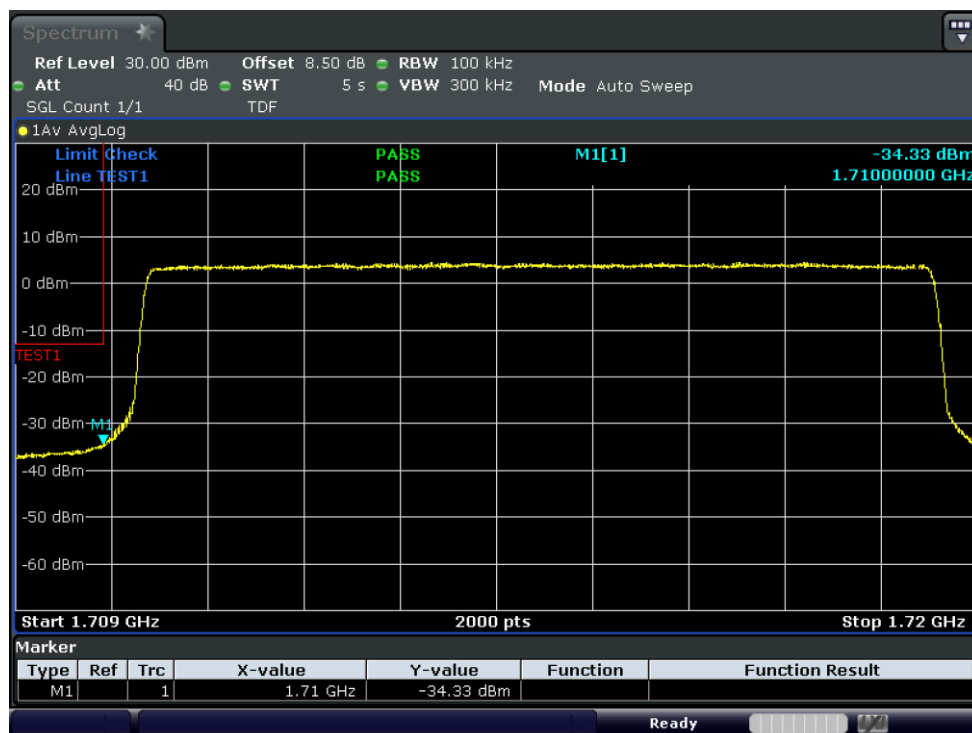
Test_Graph_band4_1752.5MHz_5M_QPSK_25RB#LOW_Band edge



Test_Graph_band4_1715MHz_10M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1715MHz_10M_QPSK_1RB#LOW_Band edge



Test_Graph_band4_1715MHz_10M_QPSK_50RB#LOW_Band edge



Test_Graph_band4_1750MHz_10M_16QAM_1RB#HIGH_Band edge





Test_Graph_band4_1750MHz_10M_QPSK_1RB#HIGH_Band edge



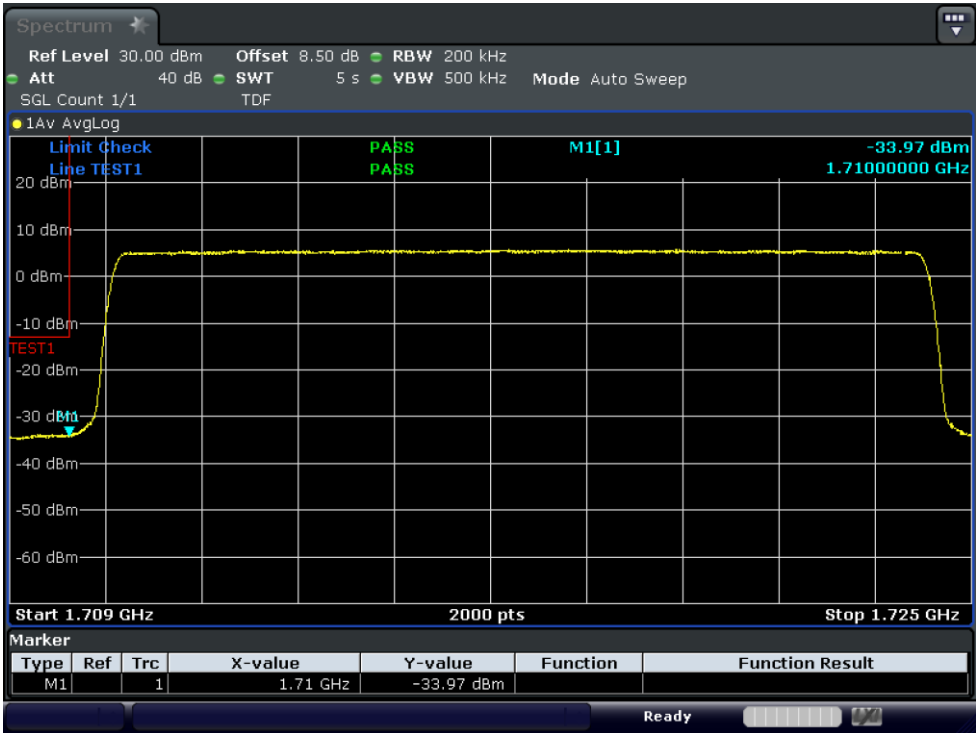
Test_Graph_band4_1750MHz_10M_QPSK_50RB#LOW_Band edge



Test_Graph_band4_1717.5MHz_15M_16QAM_1RB#LOW_Band edge



Test_Graph_band4_1717.5MHz_15M_QPSK_1RB#LOW_Band edge



Test_Graph_band4_1717.5MHz_15M_QPSK_75RB#LOW_Band edge

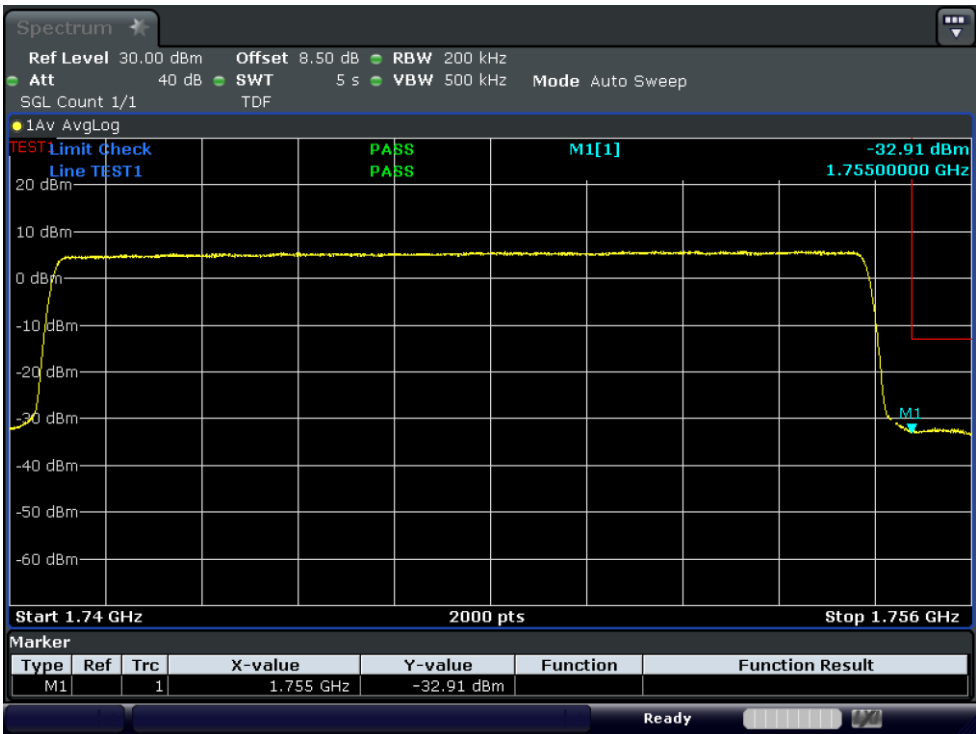


Test_Graph_band4_1747.5MHz_15M_16QAM_1RB#HIGH_Band edge





Test_Graph_band4_1747.5MHz_15M_QPSK_1RB#HIGH_Band edge



Test_Graph_band4_1747.5MHz_15M_QPSK_75RB#LOW_Band edge

