Test Data （QPSK Mode channel 19200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3819.45	-54.81	7.4	12.6	-49.61	V
5727.14	-50.11	1.8	13.1	-38.81	V
7636.54	-53.14	0.9	11.7	-42.34	H
9547.67	-52.47	0.8	11.9	-41.37	V
11456.11	-53.08	0.3	11.5	-41.88	H
13362.56	-53.25	0.4	13.6	-40.05	V

Test Data （BPSK Mode channel 18600）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3769.46	-54.14	7.2	12.6	-48.74	V
5550.12	-52.09	2.0	13.1	-40.99	V
7400.48	-53.29	0.9	11.7	-42.49	H
9251.07	-53.99	1.0	11.9	-43.09	V
11100.35	-51.45	0.4	11.5	-40.35	V
12950.39	-51.80	0.4	13.6	-38.60	V

Test Data （BPSK K Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.00	-53.14	7.4	12.6	-47.94	H
5641.18	-53.11	1.8	13.1	-41.81	V
7520.76	-51.56	0.9	11.7	-40.76	V
9400.63	-53.57	0.8	11.9	-42.47	H
11280.69	-50.41	0.3	11.5	-39.21	V
13160.74	-52.86	0.4	13.6	-39.66	V

Test Data （BPSK Mode channel 19200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3818.16	-50.61	7.4	12.6	-45.41	H
5727.76	-53.64	1.8	13.1	-42.34	V
7636.59	-50.63	0.9	11.7	-39.83	H
9547.26	-52.91	0.8	11.9	-41.81	H
11455.75	-50.94	0.3	11.5	-39.74	V
13362.81	-54.67	0.4	13.6	-41.47	V

5.4.4 NB-IoT Band 12 Radiated Spurious Emission Results

Test Data （QPSK Mode channel 23010）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1298.32	-28.99	4.2	7.5	-25.69	V
2097.11	-33.28	5.4	10.4	-28.28	H
2796.38	-37.23	6.2	10.6	-32.83	V
3495.72	-53.90	7.0	12.6	-48.30	V
4194.78	-50.99	7.8	12.6	-46.19	V
4893.23	-54.28	7.8	12.7	-49.38	V

Test Data （QPSK Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.39	-28.77	4.4	8.0	-25.17	V
2122.58	-33.18	5.4	10.4	-28.18	V
2830.34	-38.58	6.3	11.5	-33.38	V
3537.71	-50.74	7.0	12.6	-45.14	H
4245.24	-50.51	7.8	12.6	-45.71	H

4952.31	-51.64	7.9	13.1	-46.44	V

Test Data （QPSK Mode channel 23173）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.56	-30.45	4.4	8.0	-26.85	V
2148.62	-32.62	5.4	10.4	-27.62	V
2865.25	-39.98	6.4	11.5	-34.88	H
3581.13	-50.55	7.2	12.6	-45.15	V
4296.21	-51.46	7.8	12.6	-46.66	H
5012.44	-52.12	7.5	13.1	-46.52	V

Test Data （BPSK Mode channel 23010）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1298.19	-27.65	4.2	7.5	-24.35	H
2097.85	-32.76	5.4	10.4	-27.76	H
2795.99	-38.67	6.2	10.6	-34.27	V
3495.28	-53.99	7.0	12.6	-48.39	V
4194.39	-51.69	7.8	12.6	-46.89	V
4893.02	-27.65	4.2	7.5	-24.35	V

Test Data （BPSK K Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.21	-29.01	4.4	8.0	-25.41	V
2122.08	-32.78	5.4	10.4	-27.78	V
2831.42	-37.77	6.3	11.5	-32.57	V
3537.90	-53.41	7.0	12.6	-47.81	V

4246.02	-53.93	7.8	12.6	-49.13	H
4951.67	-54.49	7.9	13.1	-49.29	V

Test Data （BPSK Mode channel 23173）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.45	-50.61	4.4	8.0	-45.41	H
2149.26	-53.64	5.4	10.4	-42.34	V
2865.33	-50.63	6.4	11.5	-39.83	H
3581.01	-52.91	7.2	12.6	-41.81	H
4296.89	-50.94	7.8	12.6	-39.74	V
5013.45	-54.67	7.5	13.1	-41.47	V

5.4.5 NB-IoT Band 13 Radiated Spurious Emission Results

Test Data （QPSK Mode channel 23180）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1554.37	-33.87	4.6	8.0	-30.47	V
2331.92	-34.76	5.6	10.6	-29.76	V
3108.44	-52.17	6.5	11.5	-47.17	V
3884.85	-50.01	7.4	12.6	-44.81	V
4662.64	-52.12	8.1	12.7	-47.52	V
5440.57	-51.42	2.9	13.1	-41.22	V

Test Data （QPSK Mode channel 23230）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1565.25	-35.18	4.6	8.0	-31.78	V
2346.82	-39.63	5.6	10.4	-34.83	V
3128.53	-51.34	6.6	11.5	-46.44	V

3911.83	-50.65	7.4	12.6	-45.45	V
4692.18	-50.82	8.1	12.6	-46.32	H
5475.37	-50.32	2.9	13.1	-40.12	H

Test Data （QPSK Mode channel 23280）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1574.39	-34.28	4.6	8.0	-30.88	V
2360.43	-37.62	5.7	10.4	-32.92	V
3148.59	-51.46	6.5	11.5	-46.46	V
3935.20	-53.88	7.5	12.6	-48.78	V
4722.14	-50.37	8.1	12.6	-45.87	V
5510.36	-50.29	2.5	13.1	-39.69	H

Test Data （BPSK Mode channel 23180）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1554.37	-32.88	4.6	8.0	-29.48	V
2331.92	-35.49	5.6	10.6	-30.49	H
3108.44	-52.93	6.5	11.5	-47.93	V
3884.85	-53.88	7.4	12.6	-48.68	V
4662.64	-51.81	8.1	12.7	-47.21	V
5440.57	-51.74	2.9	13.1	-41.54	V

Test Data （BPSK K Mode channel 23230）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1564.99	-34.62	4.6	8.0	-31.22	V
2346.51	-38.10	5.6	10.4	-33.30	V

3128.48	-54.31	6.6	11.5	-49.41	V
3910.38	-54.61	7.4	12.6	-49.41	V
4690.23	-50.56	8.1	12.6	-46.06	H
5475.10	-54.22	2.9	13.1	-44.02	V

Test Data （BPSK Mode channel 23280）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1574.19	-34.62	4.6	8.0	-31.22	V
2361.63	-38.82	5.7	10.4	-34.12	V
3149.42	-50.68	6.5	11.5	-45.68	H
3935.53	-51.89	7.5	12.6	-46.79	V
4720.27	-50.76	8.1	12.6	-46.26	V
5509.62	-53.63	2.5	13.1	-43.03	V

5.4.6 NB-IoT Band 17 Radiated Spurious Emission Results

Test Data （QPSK Mode channel 23730）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1408.58	-33.78	4.4	8.0	-30.18	V
2112.35	-36.81	5.4	10.4	-31.81	V
2815.72	-40.50	6.3	11.5	-35.30	H
3520.37	-53.05	7.0	12.6	-47.45	V
4225.06	-54.14	7.8	12.6	-49.34	V
4928.34	-52.78	7.7	12.7	-47.78	V

Test Data （QPSK Mode channel 23790）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1420.46	-34.58	4.4	8.0	-30.98	V

2130.55	-38.18	5.4	10.4	-33.18	V
2840.73	-40.93	6.4	11.5	-35.83	H
3550.26	-50.36	7.0	12.6	-44.76	V
4260.45	-50.57	7.8	12.7	-45.67	V
4970.37	-53.96	7.5	12.7	-48.76	V

Test Data （QPSK Mode channel 23850）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.59	-34.11	4.4	8.0	-30.51	V
2148.75	-38.49	5.4	10.4	-33.49	V
2864.51	-41.62	6.4	11.5	-36.52	V
3580.63	-53.53	7.2	12.6	-48.13	V
4295.75	-52.27	7.8	12.7	-47.37	V
5012.63	-50.75	7.5	12.7	-45.55	V

Test Data （BPSK Mode channel 23730）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1408.29	-34.02	4.4	8.0	-30.42	V
2112.84	-37.66	5.4	10.4	-32.66	V
2814.29	-41.39	6.3	11.5	-36.19	V
3519.78	-53.67	7.0	12.6	-48.07	H
4225.47	-51.82	7.8	12.6	-47.02	V
4928.83	-51.78	7.7	12.7	-46.78	H

Test Data （BPSK K Mode channel 23790）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1420.57	-33.95	4.4	8.0	-30.35	V

2130.13	-37.37	5.4	10.4	-32.37	H
2840.63	-40.88	6.4	11.5	-35.78	H
3551.02	-50.31	7.0	12.6	-44.71	V
4260.28	-52.62	7.8	12.7	-47.72	V
4969.15	-53.69	7.5	12.7	-48.49	V

Test Data （BPSK Mode channel 23850）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.42	-33.54	4.4	8.0	-29.94	V
2149.45	-37.56	5.4	10.4	-32.56	V
2865.23	-41.89	6.4	11.5	-36.79	V
3580.47	-50.98	7.2	12.6	-45.58	V
4295.45	-52.02	7.8	12.7	-47.12	H
5012.66	-52.08	7.5	12.7	-46.88	V

5.4.7 NB-IoT Band 26 Radiated Spurious Emission Results

Test Data （QPSK Mode channel 26690）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1628.46	-34.44	4.7	9.4	-29.74	V
2442.28	-38.03	5.9	10.6	-33.33	V
3256.83	-51.78	6.7	12.6	-45.88	V
4070.17	-50.31	7.6	12.6	-45.31	V
4884.56	-54.42	7.9	12.7	-49.62	H
5698.29	-51.53	1.7	13.1	-40.13	H

Test Data （QPSK Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.71	-34.71	4.7	9.4	-30.01	V
2494.74	-40.89	5.9	10.6	-36.19	V
3326.58	-53.21	6.8	12.6	-47.41	V
4157.99	-54.33	7.6	12.6	-49.33	H
4989.26	-53.07	7.5	12.7	-47.87	V
5820.41	-54.11	1.4	13.1	-42.41	V

Test Data （QPSK Mode channel 27040）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1698.48	-34.18	4.8	9.4	-29.58	V
2547.73	-38.01	5.9	10.6	-33.31	V
3396.23	-53.63	6.9	12.6	-47.93	V
4245.70	-50.27	7.8	12.6	-45.47	V
5094.78	-53.55	6.8	12.7	-47.65	H
5943.45	-53.28	1.4	13.1	-41.58	H

Test Data （BPSK Mode channel 26690）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1628.76	-33.78	4.7	9.4	-29.08	V
2442.19	-39.08	5.9	10.6	-34.38	V
3256.74	-52.17	6.7	12.6	-46.27	V
4071.35	-52.83	7.6	12.6	-47.83	V
4885.72	-54.86	7.9	12.7	-50.06	H
5698.83	-54.34	1.7	13.1	-42.94	H

Test Data （BPSK K Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.43	-32.45	4.7	9.4	-27.75	V
2495.22	-37.92	5.9	10.6	-33.22	V
3325.17	-53.35	6.8	12.6	-47.55	H
4157.36	-52.02	7.6	12.6	-47.02	V
4990.44	-50.84	7.5	12.7	-45.64	V
5820.87	-50.66	1.4	13.1	-38.96	V

Test Data （BPSK Mode channel 27040）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1698.67	-33.52	4.8	9.4	-28.92	V
2547.25	-40.78	5.9	10.6	-36.08	V
3396.78	-53.07	6.9	12.6	-47.37	V
4245.62	-50.10	7.8	12.6	-45.30	V
5095.81	-54.66	6.8	12.7	-48.76	H
5943.63	-54.52	1.4	13.1	-42.82	V

5.4.8 Cat-M Band 2 Radiated Spurious Emission Results

Test Data （1.4MHz Bandwidth QPSK Mode channel 18600）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3702.34	-50.35	7.2	12.6	-44.95	V
5550.54	-51.50	2.0	13.1	-40.40	V
7401.28	-52.31	0.9	11.7	-41.51	V
9250.26	-51.72	1.0	11.9	-40.82	V
11100.22	-54.10	0.4	11.5	-43.00	V

12950.81	-50.62	0.4	13.6	-37.42	V

Test Data （1.4MHz Bandwidth QPSK Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.43	-52.72	7.4	12.6	-47.52	V
5640.72	-54.04	1.8	13.1	-42.74	V
7520.12	-52.29	0.9	11.7	-41.49	V
9400.72	-51.56	0.8	11.9	-40.46	V
11280.59	-50.99	0.3	11.5	-39.79	V
13160.24	-53.14	0.4	13.6	-39.94	H

Test Data （1.4MHz Bandwidth QPSK Mode channel 19200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3820.27	-50.14	7.4	12.6	-44.94	V
5727.36	-52.86	1.8	13.1	-41.56	V
7636.73	-54.27	0.9	11.7	-43.47	H
9547.16	-54.79	0.8	11.9	-43.69	V
11456.73	-53.19	0.3	11.5	-41.99	V
13361.63	-50.28	0.4	13.6	-37.08	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 18600）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3770.29	-50.52	7.2	12.6	-45.12	V
5550.57	-53.02	2.0	13.1	-41.92	V
7400.29	-53.82	0.9	11.7	-43.02	V
9250.22	-53.41	1.0	11.9	-42.51	H
11100.85	-51.33	0.4	11.5	-40.23	V

12950.17	-51.87	0.4	13.6	-38.67	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.15	-54.73	7.4	12.6	-49.53	V
5642.63	-53.56	1.8	13.1	-42.26	V
7520.82	-50.70	0.9	11.7	-39.90	V
9400.45	-52.30	0.8	11.9	-41.20	V
11280.27	-54.36	0.3	11.5	-43.16	H
13160.29	-51.64	0.4	13.6	-38.44	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 19200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3818.23	-52.62	7.4	12.6	-47.42	H
5727.62	-53.12	1.8	13.1	-41.82	V
7636.24	-53.20	0.9	11.7	-42.40	V
9548.85	-51.60	0.8	11.9	-40.50	V
11455.12	-51.56	0.3	11.5	-40.36	V
13362.74	-54.73	0.4	13.6	-41.53	V

Test Data （3MHz Bandwidth QPSK Mode channel 18600）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3702.74	-50.88	7.2	12.6	-45.48	V
5550.13	-50.03	2.0	13.1	-38.93	H
7401.85	-51.64	0.9	11.7	-40.84	V
9250.25	-54.81	1.0	11.9	-43.91	V

11101.84	-51.07	0.4	11.5	-39.97	V
12951.73	-53.24	0.4	13.6	-40.04	V

Test Data （3MHz Bandwidth QPSK Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3761.72	-53.67	7.4	12.6	-48.47	V
5640.24	-52.93	1.8	13.1	-41.63	V
7520.68	-51.96	0.9	11.7	-41.16	H
9400.32	-50.63	0.8	11.9	-39.53	V
11280.63	-54.24	0.3	11.5	-43.04	V
13160.20	-52.95	0.4	13.6	-39.75	V

Test Data （3MHz Bandwidth QPSK Mode channel 19200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3821.34	-54.64	7.4	12.6	-49.44	V
5726.56	-51.46	1.8	13.1	-40.16	V
7636.39	-54.00	0.9	11.7	-43.20	H
9547.17	-52.88	0.8	11.9	-41.78	V
11456.24	-51.33	0.3	11.5	-40.13	V
13360.34	-52.48	0.4	13.6	-39.28	V

Test Data （3MHz Bandwidth 16QAM Mode channel 18600）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3770.52	-51.33	7.2	12.6	-45.93	V
5551.32	-53.53	2.0	13.1	-42.43	V
7401.53	-50.46	0.9	11.7	-39.66	V
9251.56	-52.74	1.0	11.9	-41.84	H

11101.63	-53.01	0.4	11.5	-41.91	V
12951.63	-51.93	0.4	13.6	-38.73	V

Test Data （3MHz Bandwidth 16QAM Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.15	-54.73	7.4	12.6	-49.53	V
5642.63	-53.56	1.8	13.1	-42.26	V
7520.82	-50.70	0.9	11.7	-39.90	V
9400.45	-52.30	0.8	11.9	-41.20	V
11280.27	-54.36	0.3	11.5	-43.16	H
13160.29	-51.64	0.4	13.6	-38.44	V

Test Data （3MHz Bandwidth 16QAM Mode channel 19200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3818.35	-54.20	7.4	12.6	-49.00	V
5727.45	-53.94	1.8	13.1	-42.64	V
7636.72	-52.77	0.9	11.7	-41.97	V
9548.42	-50.12	0.8	11.9	-39.02	V
11455.17	-52.31	0.3	11.5	-41.11	V
13362.93	-53.06	0.4	13.6	-39.86	V

Test Data （5MHz Bandwidth QPSK Mode channel 18625）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3706.23	-51.52	7.2	12.6	-46.12	V
5554.34	-51.70	2.0	13.1	-40.60	V
7403.62	-53.57	0.9	11.7	-42.77	V

9253.78	-52.95	1.0	11.9	-42.05	H
11103.62	-50.59	0.4	11.5	-39.49	V
12954.48	-54.83	0.4	13.6	-41.63	V

Test Data （5MHz Bandwidth QPSK Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3761.43	-52.90	7.4	12.6	-47.70	V
5640.72	-50.86	1.8	13.1	-39.56	V
7520.33	-53.25	0.9	11.7	-42.45	H
9400.85	-50.68	0.8	11.9	-39.58	V
11280.14	-52.19	0.3	11.5	-40.99	V
13160.52	-53.57	0.4	13.6	-40.37	V

Test Data （5MHz Bandwidth QPSK Mode channel 19175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3818.45	-54.43	7.4	12.6	-49.23	V
5723.71	-53.47	1.8	13.1	-42.17	V
7633.29	-53.10	0.9	11.7	-42.30	H
9544.86	-51.76	0.8	11.9	-40.66	V
11453.47	-51.02	0.3	11.5	-39.82	V
13357.62	-51.30	0.4	13.6	-38.10	V

Test Data （5MHz Bandwidth 16QAM Mode channel 18625）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3705.15	-52.35	7.2	12.6	-46.95	V
5555.24	-50.05	2.0	13.1	-38.95	H
7405.72	-52.58	0.9	11.7	-41.78	H

9255.23	-53.05	1.0	11.9	-42.15	V
11105.28	-53.24	0.4	11.5	-42.14	V
12953.63	-54.89	0.4	13.6	-41.69	V

Test Data （5MHz Bandwidth 16QAM Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.43	-51.05	7.4	12.6	-45.85	V
5642.72	-53.87	1.8	13.1	-42.57	V
7521.47	-52.62	0.9	11.7	-41.82	V
9400.37	-50.19	0.8	11.9	-39.09	H
11280.83	-53.34	0.3	11.5	-42.14	V
13160.45	-52.14	0.4	13.6	-38.94	V

Test Data （5MHz Bandwidth 16QAM Mode channel 19175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3817.35	-52.32	7.4	12.6	-47.12	V
5723.62	-52.09	1.8	13.1	-40.79	V
7633.74	-51.66	0.9	11.7	-40.86	V
9544.62	-53.86	0.8	11.9	-42.76	V
11453.84	-52.03	0.3	11.5	-40.83	V
13357.35	-51.26	0.4	13.6	-38.06	H

Test Data （10MHz Bandwidth QPSK Mode channel 18650）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3708.34	-50.71	7.2	12.6	-45.31	V
5557.52	-52.03	2.0	13.1	-40.93	H

7405.94	-50.36	0.9	11.7	-39.56	V
9255.27	-52.09	1.0	11.9	-41.19	V
11105.27	-54.68	0.4	11.5	-43.58	V
12956.72	-50.34	0.4	13.6	-37.14	H

Test Data （10MHz Bandwidth QPSK Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3761.63	-51.40	7.4	12.6	-46.20	V
5641.93	-50.41	1.8	13.1	-39.11	V
7520.71	-53.87	0.9	11.7	-43.07	V
9401.46	-53.89	0.8	11.9	-42.79	H
11280.73	-53.29	0.3	11.5	-42.09	V
13160.55	-53.12	0.4	13.6	-39.92	V

Test Data （10MHz Bandwidth QPSK Mode channel 19150）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3816.56	-50.78	7.4	12.6	-45.58	V
5721.35	-52.02	1.8	13.1	-40.72	H
7631.05	-51.23	0.9	11.7	-40.43	V
9542.53	-54.03	0.8	11.9	-42.93	H
11451.68	-52.94	0.3	11.5	-41.74	V
13355.71	-53.13	0.4	13.6	-39.93	V

Test Data （10MHz Bandwidth 16QAM Mode channel 18650）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3708.57	-50.47	7.2	12.6	-45.07	V
5557.26	-52.92	2.0	13.1	-41.82	H

7405.62	-52.67	0.9	11.7	-41.87	H
9255.59	-50.48	1.0	11.9	-39.58	V
11105.48	-51.01	0.4	11.5	-39.91	V
12956.59	-50.67	0.4	13.6	-37.47	V

Test Data （10MHz Bandwidth 16QAM Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.62	-52.46	7.4	12.6	-47.26	V
5642.33	-54.76	1.8	13.1	-43.46	V
7520.62	-51.19	0.9	11.7	-40.39	V
9400.72	-53.55	0.8	11.9	-42.45	V
11280.43	-50.53	0.3	11.5	-39.33	V
13160.84	-53.04	0.4	13.6	-39.84	V

Test Data （10MHz Bandwidth 16QAM Mode channel 19150）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3815.73	-53.56	7.4	12.6	-48.36	V
5721.63	-54.66	1.8	13.1	-43.36	V
7631.77	-50.48	0.9	11.7	-39.68	V
9542.58	-52.07	0.8	11.9	-40.97	V
11451.34	-51.54	0.3	11.5	-40.34	V
13355.84	-52.16	0.4	13.6	-38.96	H

Test Data （15MHz Bandwidth QPSK Mode channel 18675）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3710.56	-52.30	7.2	12.6	-46.90	V

5559.36	-50.51	2.0	13.1	-39.41	V
7407.45	-51.58	0.9	11.7	-40.78	V
9257.58	-51.88	1.0	11.9	-40.98	V
11107.52	-54.93	0.4	11.5	-43.83	H
12958.15	-54.52	0.4	13.6	-41.32	V

Test Data （15MHz Bandwidth QPSK Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.37	-53.02	7.4	12.6	-47.82	V
5640.64	-52.87	1.8	13.1	-41.57	V
7520.83	-50.90	0.9	11.7	-40.10	V
9400.62	-53.57	0.8	11.9	-42.47	V
11280.60	-53.35	0.3	11.5	-42.15	V
13160.41	-52.60	0.4	13.6	-39.40	H

Test Data （15MHz Bandwidth QPSK Mode channel 19125）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3814.73	-52.94	7.4	12.6	-47.74	V
5719.53	-52.97	1.8	13.1	-41.67	V
7629.02	-54.34	0.9	11.7	-43.54	H
9540.37	-52.08	0.8	11.9	-40.98	H
11449.23	-54.96	0.3	11.5	-43.76	V
13353.51	-50.12	0.4	13.6	-36.92	V

Test Data （15MHz Bandwidth 16QAM Mode channel 18675）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3710.25	-51.45	7.2	12.6	-46.05	V

5559.84	-50.70	2.0	13.1	-39.60	V
7407.67	-51.96	0.9	11.7	-41.16	H
9257.82	-54.78	1.0	11.9	-43.88	V
11107.47	-51.39	0.4	11.5	-40.29	V
12958.07	-50.03	0.4	13.6	-36.83	V

Test Data （15MHz Bandwidth 16QAM Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3761.05	-51.12	7.4	12.6	-45.92	V
5641.22	-50.85	1.8	13.1	-39.55	V
7520.73	-53.69	0.9	11.7	-42.89	V
9401.27	-53.86	0.8	11.9	-42.76	V
11280.67	-51.27	0.3	11.5	-40.07	V
13160.27	-53.42	0.4	13.6	-40.22	V

Test Data （15MHz Bandwidth 16QAM Mode channel 19125）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3814.43	-52.48	7.4	12.6	-47.28	V
5719.72	-50.69	1.8	13.1	-39.39	V
7629.59	-50.14	0.9	11.7	-39.34	H
9540.15	-52.04	0.8	11.9	-40.94	V
11449.84	-52.67	0.3	11.5	-41.47	V
13353.46	-53.32	0.4	13.6	-40.12	V

Test Data （20MHz Bandwidth QPSK Mode channel 18700）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]

3712.45	-52.18	7.2	12.6	-46.78	V
5563.83	-53.68	2.0	13.1	-42.58	V
7410.04	-53.52	0.9	11.7	-42.72	H
9259.24	-52.23	1.0	11.9	-41.33	V
11109.22	-50.95	0.4	11.5	-39.85	V
12960.83	-53.38	0.4	13.6	-40.18	V

Test Data （20MHz Bandwidth QPSK Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.46	-50.19	7.4	12.6	-44.99	V
5641.33	-53.96	1.8	13.1	-42.66	H
7521.34	-52.76	0.9	11.7	-41.96	V
9400.72	-52.25	0.8	11.9	-41.15	V
11280.49	-54.07	0.3	11.5	-42.87	V
13161.36	-50.59	0.4	13.6	-37.39	V

Test Data （20MHz Bandwidth QPSK Mode channel 19100）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3812.56	-51.17	7.4	12.6	-45.97	V
5718.63	-51.27	1.8	13.1	-39.97	V
7627.81	-53.00	0.9	11.7	-42.20	V
9538.52	-53.55	0.8	11.9	-42.45	H
11447.95	-53.42	0.3	11.5	-42.22	V
13351.53	-50.70	0.4	13.6	-37.50	V

Test Data （20MHz Bandwidth 16QAM Mode channel 18700）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]

3712.62	-51.70	7.2	12.6	-46.30	V
5562.34	-51.02	2.0	13.1	-39.92	V
7410.74	-54.95	0.9	11.7	-44.15	V
9260.28	-51.58	1.0	11.9	-40.68	V
11110.47	-51.43	0.4	11.5	-40.33	V
12960.42	-50.10	0.4	13.6	-36.90	V

Test Data （20MHz Bandwidth 16QAM Mode channel 18900）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3760.84	-54.45	7.4	12.6	-49.25	V
5641.52	-50.02	1.8	13.1	-38.72	V
7520.37	-52.50	0.9	11.7	-41.70	V
9400.52	-54.84	0.8	11.9	-43.74	V
11281.48	-52.29	0.3	11.5	-41.09	H
13161.48	-52.52	0.4	13.6	-39.32	H

Test Data （20MHz Bandwidth 16QAM Mode channel 19100）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3812.32	-50.09	7.4	12.6	-44.89	V
5717.38	-52.50	1.8	13.1	-41.20	V
7627.47	-50.72	0.9	11.7	-39.92	V
9538.59	-50.02	0.8	11.9	-38.92	V
11446.24	-53.45	0.3	11.5	-42.25	H
13352.95	-50.95	0.4	13.6	-37.75	V

5.4.9 Cat-M Band4 Radiated Spurious Emission Results

Test Data （1.4MHz Bandwidth QPSK Mode channel 19950）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3420.36	-54.34	6.9	12.6	-48.64	V
5130.77	-53.66	6.3	12.7	-47.26	V
6840.83	-53.87	0.8	11.7	-42.97	H
8550.38	-53.58	0.9	11.9	-42.58	V
10260.53	-52.02	0.5	12.1	-40.42	V
11970.63	-54.77	0.4	13.2	-41.97	V

Test Data （1.4MHz Bandwidth QPSK Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.45	-52.45	6.9	12.6	-46.75	V
5197.13	-52.90	5.8	12.7	-46.00	V
6930.85	-54.90	0.9	11.7	-44.10	V
8662.34	-50.83	0.9	11.9	-39.83	V
10395.13	-53.09	0.7	12.1	-41.69	H
12127.84	-50.82	0.6	13.2	-38.22	V

Test Data （1.4MHz Bandwidth QPSK Mode channel 20400）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3510.26	-52.14	7.0	12.6	-46.54	V
5265.73	-50.80	5.0	12.7	-43.10	H
7020.83	-52.31	1.2	11.7	-41.81	V
8775.39	-51.58	1.1	11.9	-40.78	V
10530.85	-54.84	0.6	12.1	-43.34	V

12285.83	-53.69	0.3	13.2	-40.79	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 19950）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3420.56	-50.84	6.9	12.6	-45.14	V
5130.35	-53.80	6.3	12.7	-47.40	V
6840.42	-51.24	0.8	11.7	-40.34	V
8550.49	-52.75	0.9	11.9	-41.75	V
10260.34	-54.02	0.5	12.1	-42.42	H
11970.94	-50.75	0.4	13.2	-37.95	H

Test Data （1.4MHz Bandwidth 16QAM Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.13	-54.11	6.9	12.6	-48.41	V
5197.73	-51.97	5.8	12.7	-45.07	V
6930.63	-51.27	0.9	11.7	-40.47	V
8662.72	-52.02	0.9	11.9	-41.02	V
10395.67	-53.77	0.7	12.1	-42.37	H
12127.69	-54.18	0.6	13.2	-41.58	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 20400）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3510.45	-53.04	7.0	12.6	-47.44	V
5265.83	-52.69	5.0	12.7	-44.99	V
7020.68	-54.80	1.2	11.7	-44.30	V
8775.25	-52.76	1.1	11.9	-41.96	V

10530.94	-52.04	0.6	12.1	-40.54	H
12285.37	-50.67	0.3	13.2	-37.77	V

Test Data （3MHz Bandwidth QPSK Mode channel 19950）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3421.52	-52.28	6.9	12.6	-46.58	H
5131.27	-50.65	6.3	12.7	-44.25	H
6841.46	-53.74	0.8	11.7	-42.84	V
8551.83	-52.33	0.9	11.9	-41.33	V
10261.48	-53.61	0.5	12.1	-42.01	V
11971.89	-51.99	0.4	13.2	-39.19	V

Test Data （3MHz Bandwidth QPSK Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.74	-50.24	6.9	12.6	-44.54	V
5197.45	-51.96	5.8	12.7	-45.06	H
6930.52	-50.55	0.9	11.7	-39.75	V
8662.94	-54.65	0.9	11.9	-43.65	V
10395.13	-51.63	0.7	12.1	-40.23	V
12127.57	-52.71	0.6	13.2	-40.11	H

Test Data （3MHz Bandwidth QPSK Mode channel 20400）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3509.37	-51.69	7.0	12.6	-46.09	V
5264.37	-52.40	5.0	12.7	-44.70	V
7019.39	-54.95	1.2	11.7	-44.45	H
8774.73	-55.00	1.1	11.9	-44.20	V

10529.39	-50.82	0.6	12.1	-39.32	V
12284.73	-52.71	0.3	13.2	-39.81	V

Test Data （3MHz Bandwidth 16QAM Mode channel 19950）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3421.35	-52.92	6.9	12.6	-47.22	V
5130.94	-54.92	6.3	12.7	-48.52	V
6841.47	-53.18	0.8	11.7	-42.28	V
8551.26	-51.61	0.9	11.9	-40.61	V
10260.99	-50.59	0.5	12.1	-38.99	H
11970.90	-53.85	0.4	13.2	-41.05	H

Test Data （3MHz Bandwidth 16QAM Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.52	-52.96	6.9	12.6	-47.26	V
5197.83	-52.43	5.8	12.7	-45.53	V
6930.52	-52.07	0.9	11.7	-41.27	V
8662.51	-53.45	0.9	11.9	-42.45	H
10395.85	-51.15	0.7	12.1	-39.75	H
12127.74	-51.01	0.6	13.2	-38.41	V

Test Data （3MHz Bandwidth 16QAM Mode channel 20400）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3509.63	-51.94	7.0	12.6	-46.34	V
5264.72	-50.87	5.0	12.7	-43.17	V
7019.46	-52.45	1.2	11.7	-41.95	V

8774.37	-51.27	1.1	11.9	-40.47	V
10530.26	-50.08	0.6	12.1	-38.58	V
12284.94	-51.24	0.3	13.2	-38.34	V

Test Data （5MHz Bandwidth QPSK Mode channel 19975）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3422.75	-54.53	6.9	12.6	-48.83	V
5132.67	-52.05	6.3	12.7	-45.65	V
6841.85	-53.64	0.8	11.7	-42.74	V
8552.63	-54.46	0.9	11.9	-43.46	V
10260.74	-50.77	0.5	12.1	-39.17	H
11972.56	-50.90	0.4	13.2	-38.10	V

Test Data （5MHz Bandwidth QPSK Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.32	-53.06	6.9	12.6	-47.36	V
5197.85	-52.49	5.8	12.7	-45.59	H
6930.45	-52.65	0.9	11.7	-41.85	V
8662.83	-52.09	0.9	11.9	-41.09	V
10395.45	-53.44	0.7	12.1	-42.04	V
12127.83	-54.03	0.6	13.2	-41.43	V

Test Data （5MHz Bandwidth QPSK Mode channel 20375）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3508.45	-53.35	7.0	12.6	-47.75	H
5263.52	-50.95	5.0	12.7	-43.25	V
7018.72	-54.17	1.2	11.7	-43.67	H

8773.22	-54.02	1.1	11.9	-43.22	V
10527.39	-50.19	0.6	12.1	-38.69	V
12284.28	-51.30	0.3	13.2	-38.40	V

Test Data （5MHz Bandwidth 16QAM Mode channel 19975）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3422.34	-51.87	6.9	12.6	-46.17	V
5132.12	-50.73	6.3	12.7	-44.33	V
6842.84	-50.88	0.8	11.7	-39.98	V
8552.37	-50.52	0.9	11.9	-39.52	V
10262.46	-52.77	0.5	12.1	-41.17	H
11972.28	-53.61	0.4	13.2	-40.81	V

Test Data （5MHz Bandwidth 16QAM Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.42	-53.13	6.9	12.6	-47.43	V
5197.92	-53.29	5.8	12.7	-46.39	V
6930.35	-53.86	0.9	11.7	-43.06	V
8662.73	-50.47	0.9	11.9	-39.47	V
10395.42	-54.82	0.7	12.1	-43.42	H
12127.55	-53.18	0.6	13.2	-40.58	V

Test Data （5MHz Bandwidth 16QAM Mode channel 20375）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3508.25	-51.10	7.0	12.6	-45.50	V
5262.63	-52.81	5.0	12.7	-45.11	V

7017.69	-54.76	1.2	11.7	-44.26	V
8773.14	-53.62	1.1	11.9	-42.82	V
10527.74	-53.35	0.6	12.1	-41.85	V
12283.62	-50.09	0.3	13.2	-37.19	V

Test Data （10MHz Bandwidth QPSK Mode channel 20000）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3424.04	-51.98	6.9	12.6	-46.28	V
5133.84	-51.61	6.3	12.7	-45.21	H
6843.45	-53.11	0.8	11.7	-42.21	V
8552.47	-53.29	0.9	11.9	-42.29	V
10262.39	-52.56	0.5	12.1	-40.96	V
11974.19	-52.85	0.4	13.2	-40.05	V

Test Data （10MHz Bandwidth QPSK Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.73	-54.29	6.9	12.6	-48.59	V
5198.23	-54.02	5.8	12.7	-47.12	H
6930.74	-53.78	0.9	11.7	-42.98	V
8662.25	-50.85	0.9	11.9	-39.85	V
10395.73	-53.70	0.7	12.1	-42.30	V
12127.15	-52.60	0.6	13.2	-40.00	V

Test Data （10MHz Bandwidth QPSK Mode channel 20350）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3506.85	-52.87	7.0	12.6	-47.27	V
5261.63	-50.19	5.0	12.7	-42.49	V

7016.97	-50.88	1.2	11.7	-40.38	V
8771.52	-53.08	1.1	11.9	-42.28	H
10525.73	-51.68	0.6	12.1	-40.18	V
12282.55	-50.16	0.3	13.2	-37.26	V

Test Data （10MHz Bandwidth 16QAM Mode channel 20000）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3424.63	-53.58	6.9	12.6	-47.88	V
5133.32	-54.36	6.3	12.7	-47.96	V
6844.84	-51.12	0.8	11.7	-40.22	V
8553.63	-50.09	0.9	11.9	-39.09	H
10263.83	-52.67	0.5	12.1	-41.07	V
11974.55	-53.32	0.4	13.2	-40.52	V

Test Data （10MHz Bandwidth 16QAM Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.63	-51.80	6.9	12.6	-46.10	V
5197.34	-54.24	5.8	12.7	-47.34	V
6930.73	-53.61	0.9	11.7	-42.81	V
8662.74	-54.56	0.9	11.9	-43.56	H
10395.23	-51.22	0.7	12.1	-39.82	V
12127.62	-52.29	0.6	13.2	-39.69	V

Test Data （10MHz Bandwidth 16QAM Mode channel 20350）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3506.42	-53.37	7.0	12.6	-47.77	V

5261.73	-53.95	5.0	12.7	-46.25	H
7016.35	-52.96	1.2	11.7	-42.46	V
8771.84	-54.28	1.1	11.9	-43.48	V
10525.27	-50.57	0.6	12.1	-39.07	V
12282.43	-54.30	0.3	13.2	-41.40	V

Test Data （15MHz Bandwidth QPSK Mode channel 20025）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3426.21	-51.67	6.9	12.6	-45.97	V
5135.73	-53.31	6.3	12.7	-46.91	V
6845.83	-52.79	0.8	11.7	-41.89	H
8555.73	-52.11	0.9	11.9	-41.11	H
10264.72	-53.87	0.5	12.1	-42.27	V
11974.53	-54.42	0.4	13.2	-41.62	V

Test Data （15MHz Bandwidth QPSK Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.52	-54.03	6.9	12.6	-48.33	V
5198.62	-50.58	5.8	12.7	-43.68	H
6930.34	-50.30	0.9	11.7	-39.50	V
8662.84	-52.27	0.9	11.9	-41.27	H
10396.84	-54.93	0.7	12.1	-43.53	V
12126.53	-51.29	0.6	13.2	-38.69	V

Test Data （15MHz Bandwidth QPSK Mode channel 20325）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3504.45	-50.70	7.0	12.6	-45.10	V

5259.34	-51.53	5.0	12.7	-43.83	V
7014.64	-54.46	1.2	11.7	-43.96	H
8770.35	-52.33	1.1	11.9	-41.53	V
10524.56	-53.91	0.6	12.1	-42.41	V
12280.45	-52.71	0.3	13.2	-39.81	V

Test Data （15MHz Bandwidth 16QAM Mode channel 20025）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3425.39	-53.29	6.9	12.6	-47.59	V
5135.15	-52.70	6.3	12.7	-46.30	V
6844.73	-54.43	0.8	11.7	-43.53	V
8554.28	-51.43	0.9	11.9	-40.43	V
10265.30	-53.14	0.5	12.1	-41.54	H
11975.12	-50.82	0.4	13.2	-38.02	V

Test Data （15MHz Bandwidth 16QAM Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.12	-52.67	6.9	12.6	-46.97	V
5196.85	-51.55	5.8	12.7	-44.65	V
6931.53	-51.23	0.9	11.7	-40.43	V
8662.71	-53.20	0.9	11.9	-42.20	H
10395.45	-51.53	0.7	12.1	-40.13	V
12127.34	-52.08	0.6	13.2	-39.48	V

Test Data （15MHz Bandwidth 16QAM Mode channel 20325）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]

3504.26	-53.55	7	12.6	-47.95	V
5259.62	-52.06	5	12.7	-44.36	H
7014.43	-50.02	1.2	11.7	-39.52	H
8769.74	-53.00	1.1	11.9	-42.20	V
10523.83	-53.63	0.6	12.1	-42.13	V
12279.35	-50.19	0.3	13.2	-37.29	V

Test Data （20MHz Bandwidth QPSK Mode channel 20050）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3428.45	-50.06	6.9	12.6	-44.36	V
5137.36	-52.33	6.3	12.7	-45.93	V
6847.22	-50.44	0.8	11.7	-39.54	V
8557.83	-51.50	0.9	11.9	-40.50	H
10266.24	-54.02	0.5	12.1	-42.42	V
11976.36	-53.74	0.4	13.2	-40.94	V

Test Data （20MHz Bandwidth QPSK Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.42	-54.33	6.9	12.6	-48.63	V
5198.83	-51.94	5.8	12.7	-45.04	V
6930.41	-51.06	0.9	11.7	-40.26	V
8662.73	-52.21	0.9	11.9	-41.21	V
10396.36	-52.13	0.7	12.1	-40.73	V
12126.28	-50.98	0.6	13.2	-38.38	V

Test Data （20MHz Bandwidth QPSK Mode channel 20300）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]

3504.66	-50.70	7.0	12.6	-45.10	V
5256.79	-51.53	5.0	12.7	-43.83	H
7013.74	-54.46	1.2	11.7	-43.96	V
8767.52	-52.33	1.1	11.9	-41.53	V
10521.35	-53.91	0.6	12.1	-42.41	V
12277.63	-52.71	0.3	13.2	-39.81	V

Test Data （20MHz Bandwidth 16QAM Mode channel 20050）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3427.62	-54.53	6.9	12.6	-48.83	V
5136.83	-51.94	6.3	12.7	-45.54	V
6847.52	-54.08	0.8	11.7	-43.18	V
8556.94	-52.83	0.9	11.9	-41.83	V
10266.63	-54.47	0.5	12.1	-42.87	H
11975.93	-51.75	0.4	13.2	-38.95	V

Test Data （20MHz Bandwidth 16QAM Mode channel 20175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
3465.37	-51.99	6.9	12.6	-46.29	V
5196.52	-51.60	5.8	12.7	-44.70	V
6931.47	-54.18	0.9	11.7	-43.38	V
8662.68	-53.31	0.9	11.9	-42.31	H
10395.46	-50.30	0.7	12.1	-38.90	V
12127.63	-51.67	0.6	13.2	-39.07	V

Test Data （20MHz Bandwidth 16QAM Mode channel 20300）

Frequency [MHz]	Generator output power(P_g)	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d)	Antenna Polarization [H/V]

	[dBm]			[dBm]	
3505.74	-50.90	7.0	12.6	-45.30	V
5257.46	-53.17	5.0	12.7	-45.47	H
7013.78	-50.75	1.2	11.7	-40.25	V
8768.27	-54.47	1.1	11.9	-43.67	V
10521.63	-52.52	0.6	12.1	-41.02	V
12277.28	-54.62	0.3	13.2	-41.72	V

5.4.10 Cat-M Band 12 Radiated Spurious Emission Results

Test Data （1.4MHz Bandwidth QPSK Mode channel 23010）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1298.34	-34.64	4.2	7.5	-31.34	V
2097.62	-36.18	5.4	10.4	-31.18	V
2796.38	-39.74	6.2	10.6	-35.34	H
3495.47	-52.28	7.0	12.6	-46.68	V
4194.47	-53.39	7.8	12.6	-48.59	V
4893.35	-54.38	7.8	12.7	-49.48	V

Test Data （1.4MHz Bandwidth QPSK Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.54	-33.75	4.2	7.5	-30.45	V
2122.74	-38.29	5.4	10.4	-33.29	H
2830.46	-40.53	6.2	10.6	-36.13	V
3537.84	-50.51	7.0	12.6	-44.91	V
4245.35	-53.50	7.8	12.6	-48.70	V
4952.73	-53.97	7.8	12.7	-49.07	V

Test Data （1.4MHz Bandwidth QPSK Mode channel 23200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.36	-34.55	4.4	8.0	-30.95	V
2148.73	-37.28	5.4	10.4	-32.28	V
2865.46	-39.11	6.4	11.5	-34.01	V
3580.85	-52.57	7.2	12.6	-47.17	V
4296.25	-50.83	7.8	12.6	-46.03	H
5012.63	-52.30	7.5	13.1	-46.70	H

Test Data （1.4MHz Bandwidth 16QAM Mode channel 23010）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1298.35	-33.55	4.2	7.5	-30.25	V
2097.37	-36.88	5.4	10.4	-31.88	H
2795.75	-38.14	6.2	10.6	-33.74	V
3495.63	-54.48	7.0	12.6	-48.88	V
4194.38	-54.47	7.8	12.6	-49.67	V
4893.35	-52.65	4.2	7.5	-49.35	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.46	-34.29	4.4	8.0	-30.69	V
2122.26	-38.77	5.4	10.4	-33.77	V
2831.63	-41.98	6.3	11.5	-36.78	V
3537.49	-53.15	7.0	12.6	-47.55	V
4246.52	-50.08	7.8	12.6	-45.28	H
4951.85	-54.63	7.9	13.1	-49.43	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 23200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.26	-33.79	4.4	8.0	-30.19	V
2149.44	-36.77	5.4	10.4	-31.77	V
2865.73	-40.28	6.4	11.5	-35.18	V
3581.35	-54.54	7.2	12.6	-49.14	H
4296.63	-53.05	7.8	12.6	-48.25	V
5013.40	-54.84	7.5	13.1	-49.24	V

Test Data （3MHz Bandwidth QPSK Mode channel 23010）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1298.54	-32.64	4.2	7.5	-29.34	V
2097.34	-35.93	5.4	10.4	-30.93	V
2795.76	-39.62	6.2	10.6	-35.22	V
3495.27	-53.92	7.0	12.6	-48.32	V
4194.35	-52.33	7.8	12.6	-47.53	H
4892.56	-53.56	7.8	12.7	-48.66	H

Test Data （3MHz Bandwidth QPSK Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.83	-34.19	4.2	7.5	-30.89	V
2122.13	-37.74	5.4	10.4	-32.74	H
2830.54	-39.85	6.2	10.6	-35.45	H
3537.74	-52.33	7.0	12.6	-46.73	V
4245.39	-50.45	7.8	12.6	-45.65	V
4952.59	-51.80	7.8	12.7	-46.90	V

Test Data （3MHz Bandwidth QPSK Mode channel 23200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.64	-33.64	4.4	8.0	-30.04	V
2148.38	-36.82	5.4	10.4	-31.82	V
2865.93	-39.78	6.4	11.5	-34.68	V
3580.45	-50.83	7.2	12.6	-45.43	V
4296.67	-51.93	7.8	12.6	-47.13	V
5012.34	-53.91	7.5	13.1	-48.31	V

Test Data （3MHz Bandwidth 16QAM Mode channel 23010）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1298.58	-33.64	4.2	7.5	-30.34	V
2097.64	-36.29	5.4	10.4	-31.29	V
2795.87	-40.29	6.2	10.6	-35.89	V
3495.37	-54.20	7.0	12.6	-48.60	H
4194.26	-54.30	7.8	12.6	-49.50	V
4893.22	-51.40	7.8	12.7	-46.50	V

Test Data （3MHz Bandwidth 16QAM Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.49	-35.83	4.2	7.5	-32.53	V
2122.53	-37.11	5.4	10.4	-32.11	V
2830.95	-41.84	6.2	10.6	-37.44	V
3537.59	-54.92	7.0	12.6	-49.32	V
4246.76	-51.08	7.8	12.6	-46.28	H
4951.45	-53.90	7.8	12.7	-49.00	V

Test Data （3MHz Bandwidth 16QAM Mode channel 23200）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1432.87	-33.67	4.4	8.0	-30.07	V
2149.34	-35.81	5.4	10.4	-30.81	H
2865.38	-40.48	6.4	11.5	-35.38	V
3581.75	-54.03	7.2	12.6	-48.63	V
4296.63	-50.90	7.8	12.6	-46.10	V
5013.29	-53.80	7.5	13.1	-48.20	V

Test Data （5MHz Bandwidth QPSK Mode channel 23035）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1330.33	-34.19	4.2	7.5	-30.89	V
2099.24	-37.99	5.4	10.4	-32.99	V
2797.83	-41.39	6.2	10.6	-36.99	V
3497.89	-50.37	7.0	12.6	-44.77	H
4196.32	-54.58	7.8	12.6	-49.78	V
4894.39	-51.52	7.8	12.7	-46.62	V

Test Data （5MHz Bandwidth QPSK Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.39	-33.19	4.2	7.5	-29.89	V
2121.93	-37.81	5.4	10.4	-32.81	V
2830.52	-40.77	6.2	10.6	-36.37	H
3537.64	-54.86	7.0	12.6	-49.26	V
4245.27	-50.88	7.8	12.6	-46.08	V
4952.24	-51.46	7.8	12.7	-46.56	V

Test Data （5MHz Bandwidth QPSK Mode channel 23175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1430.24	-33.65	4.4	8.0	-30.05	V
2146.29	-38.74	5.4	10.4	-33.74	V
2863.56	-41.28	6.4	11.5	-36.18	H
3578.83	-50.94	7.2	12.6	-45.54	V
4294.28	-53.99	7.8	12.6	-49.19	V
5010.88	-52.44	7.5	13.1	-46.84	V

Test Data （5MHz Bandwidth 16QAM Mode channel 23035）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1299.39	-33.67	4.2	7.5	-30.37	V
2100.39	-37.11	5.4	10.4	-32.11	V
2797.83	-40.82	6.2	10.6	-36.42	V
3497.29	-52.55	7.0	12.6	-46.95	H
4197.38	-54.28	7.8	12.6	-49.48	V
4895.67	-53.76	7.8	12.7	-48.86	V

Test Data （5MHz Bandwidth 16QAM Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.38	-35.12	4.2	7.5	-31.82	V
2122.42	-38.89	5.4	10.4	-33.89	H
2830.17	-40.99	6.2	10.6	-36.59	V
3537.82	-51.11	7.0	12.6	-45.51	V
4246.46	-54.23	7.8	12.6	-49.43	V
4951.82	-54.81	7.8	12.7	-49.91	V

Test Data （5MHz Bandwidth 16QAM Mode channel 23175）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1430.38	-34.66	4.4	8.0	-31.06	V
2148.52	-39.01	5.4	10.4	-34.01	V
2863.71	-40.78	6.4	11.5	-35.68	V
3579.34	-54.36	7.2	12.6	-48.96	H
4294.78	-50.80	7.8	12.6	-46.00	V
5011.34	-52.82	7.5	13.1	-47.22	V

Test Data （10MHz Bandwidth QPSK Mode channel 23060）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1332.32	-33.76	4.2	7.5	-30.46	V
2100.45	-37.38	5.4	10.4	-32.38	V
2799.23	-39.08	6.2	10.6	-34.68	H
3499.84	-50.73	7.0	12.6	-45.13	V
4198.29	-52.42	7.8	12.6	-47.62	V
4896.83	-53.37	7.8	12.7	-48.47	V

Test Data （10MHz Bandwidth QPSK Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.34	-33.65	4.2	7.5	-30.35	V
2120.95	-35.84	5.4	10.4	-30.84	V
2830.25	-39.28	6.2	10.6	-34.88	H
3536.63	-52.75	7.0	12.6	-47.15	V
4245.62	-50.30	7.8	12.6	-45.50	V
4952.74	-53.69	7.8	12.7	-48.79	V

Test Data （10MHz Bandwidth QPSK Mode channel 23150）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1428.53	-33.45	4.4	8.0	-29.85	V
2144.48	-36.92	5.4	10.4	-31.92	H
2861.73	-39.04	6.4	11.5	-33.94	V
3576.28	-53.93	7.2	12.6	-48.53	V
4292.59	-53.52	7.8	12.6	-48.72	V
5009.16	-54.71	7.5	13.1	-49.11	V

Test Data （10MHz Bandwidth 16QAM Mode channel 23060）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1301.84	-32.98	4.2	7.5	-29.68	V
2101.56	-36.85	5.4	10.4	-31.85	V
2799.84	-38.87	6.2	10.6	-34.47	V
3498.69	-51.13	7.0	12.6	-45.53	H
4199.23	-52.42	7.8	12.6	-47.62	V
4897.44	-52.80	7.8	12.7	-47.90	V

Test Data （10MHz Bandwidth 16QAM Mode channel 23095）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1415.74	-34.03	4.2	7.5	-30.73	V
2122.29	-36.83	5.4	10.4	-31.83	H
2830.58	-38.72	6.2	10.6	-34.32	V
3537.18	-52.98	7.0	12.6	-47.38	V
4245.63	-52.78	7.8	12.6	-47.98	V
4951.71	-54.89	7.8	12.7	-49.99	V

Test Data （10MHz Bandwidth 16QAM Mode channel 23150）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1428.65	-33.74	4.4	8.0	-30.14	V
2146.39	-37.21	5.4	10.4	-32.21	H
2861.48	-40.56	6.4	11.5	-35.46	V
3577.95	-50.42	7.2	12.6	-45.02	V
4292.34	-54.00	7.8	12.6	-49.20	V
5009.52	-50.92	7.5	13.1	-45.32	V

5.4.11 Cat-M Band 13 Radiated Spurious Emission Results

Test Data （5MHz Bandwidth QPSK Mode channel 23205）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1557.23	-34.87	4.6	8.0	-31.47	V
2334.92	-37.91	5.6	10.6	-32.91	V
3111.36	-54.39	6.5	11.5	-49.39	V
3887.39	-53.85	7.4	12.6	-48.65	H
4665.84	-52.20	8.1	12.7	-47.60	V
5443.64	-51.42	2.9	13.1	-41.22	V

Test Data （5MHz Bandwidth QPSK Mode channel 23230）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1565.28	-34.56	4.6	8.0	-31.16	V
2346.43	-39.64	5.6	10.4	-34.84	V
3128.45	-51.74	6.6	11.5	-46.84	V
3911.38	-52.58	7.4	12.6	-47.38	H
4692.74	-51.69	8.1	12.6	-47.19	V

5475.45	-51.20	2.9	13.1	-41.00	V

Test Data （5MHz Bandwidth QPSK Mode channel 23255）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1573.62	-35.83	4.6	8.0	-32.43	V
2359.23	-38.11	5.7	10.4	-33.41	V
3147.31	-53.43	6.5	11.5	-48.43	V
3934.79	-53.59	7.5	12.6	-48.49	H
4720.34	-51.78	8.1	12.6	-47.28	V
5509.52.	-54.37	2.5	13.1	-43.77	V

Test Data （5MHz Bandwidth 16QAM Mode channel 23205）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1555.39	-34.88	4.6	8.0	-31.48	V
2334.28	-38.28	5.6	10.6	-33.28	V
3111.37	-54.12	6.5	11.5	-49.12	H
3886.56	-50.15	7.4	12.6	-44.95	V
4665.39	-50.51	8.1	12.7	-45.91	V
5443.75	-53.48	2.9	13.1	-43.28	V

Test Data （5MHz Bandwidth 16QAM Mode channel 23230）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1565.54	-33.87	4.6	8.0	-30.47	V
2346.23	-37.84	5.6	10.4	-33.04	V
3128.74	-52.38	6.6	11.5	-47.48	V
3910.38	-52.82	7.4	12.6	-47.62	H

4690.34	-54.12	8.1	12.6	-49.62	V
5475.74	-52.90	2.9	13.1	-42.70	V

Test Data （5MHz Bandwidth 16QAM Mode channel 23255）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1571.45	-34.66	4.6	8.0	-31.26	V
2358.83	-39.54	5.7	10.4	-34.84	V
3147.37	-54.90	6.5	11.5	-49.90	V
3932.54	-53.86	7.5	12.6	-48.76	H
4717.35	-52.10	8.1	12.6	-47.60	V
5506.30	-51.30	2.5	13.1	-40.70	V

Test Data （10MHz Bandwidth QPSK Mode channel 23230）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1565.22	-34.61	4.6	8.0	-31.21	V
2346.48	-39.60	5.6	10.4	-34.80	V
3128.48	-51.77	6.6	11.5	-46.87	V
3911.31	-52.48	7.4	12.6	-47.28	H
4692.44	-51.65	8.1	12.6	-47.15	V
5475.37	-51.20	2.9	13.1	-41.00	V

Test Data （10MHz bandwidth 16QAM Mode channel 23230）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1565.24	-33.66	4.6	8.0	-30.26	V
2346.17	-37.82	5.6	10.4	-33.02	V
3128.55	-52.27	6.6	11.5	-47.37	V
3910.13	-52.80	7.4	12.6	-47.60	H

4690.32	-54.12	8.1	12.6	-49.62	V
5475.66	-52.90	2.9	13.1	-42.70	V

5.4.12 Cat-M Band 26 Radiated Spurious Emission Results

Test Data （1.4MHz Bandwidth QPSK Mode channel 26690）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1628.46	-33.54	4.7	9.4	-28.84	V
2442.28	-38.54	5.9	10.6	-33.84	V
3256.83	-51.84	6.7	12.6	-45.94	V
4070.17	-54.62	7.6	12.6	-49.62	V
4884.56	-53.78	7.9	12.7	-48.98	V
5698.29	-53.06	1.7	13.1	-41.66	H

Test Data （1.4MHz Bandwidth QPSK Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.38	-34.66	4.7	9.4	-29.96	V
2494.46	-38.27	5.9	10.6	-33.57	V
3326.47	-54.01	6.8	12.6	-48.21	V
4157.84	-52.51	7.6	12.6	-47.51	V
4989.45	-54.95	7.5	12.7	-49.75	H
5820.24	-52.32	1.4	13.1	-40.62	V

Test Data （1.4MHz Bandwidth QPSK Mode channel 27040）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1698.28	-34.67	4.8	9.4	-30.07	V
2547.62	-38.27	5.9	10.6	-33.57	V
3396.56	-51.18	6.9	12.6	-45.48	V

4245.87	-52.28	7.8	12.6	-47.48	V
5094.45	-50.42	6.8	12.7	-44.52	H
5943.86	-50.99	1.4	13.1	-39.29	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 26690）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1628.43	-34.64	4.7	9.4	-29.94	V
2442.49	-39.54	5.9	10.6	-34.84	V
3256.53	-54.05	6.7	12.6	-48.15	V
4071.59	-50.10	7.6	12.6	-45.10	V
4885.23	-50.48	7.9	12.7	-45.68	V
5698.34	-52.82	1.7	13.1	-41.42	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.32	-35.88	4.7	9.4	-31.18	V
2495.87	-37.92	5.9	10.6	-33.22	V
3325.57	-52.65	6.8	12.6	-46.85	H
4157.33	-53.24	7.6	12.6	-48.24	V
4990.90	-50.09	7.5	12.7	-44.89	V
5820.53	-54.94	1.4	13.1	-43.24	V

Test Data （1.4MHz Bandwidth 16QAM Mode channel 27040）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1698.38	-34.76	4.8	9.4	-30.16	V
2547.45	-38.23	5.9	10.6	-33.53	V
3396.73	-52.09	6.9	12.6	-46.39	V

4245.49	-52.88	7.8	12.6	-48.08	V
5095.73	-50.15	6.8	12.7	-44.25	H
5943.64	-51.75	1.4	13.1	-40.05	V

Test Data （3MHz Bandwidth QPSK Mode channel 26690）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1629.54	-33.76	4.7	9.4	-29.06	V
2443.74	-37.67	5.9	10.6	-32.97	V
3257.34	-50.97	6.7	12.6	-45.07	H
4071.39	-52.10	7.6	12.6	-47.10	V
4885.87	-52.77	7.9	12.7	-47.97	V
5699.62	-53.75	1.7	13.1	-42.35	V

Test Data （3MHz Bandwidth QPSK Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.53	-34.05	4.7	9.4	-29.35	V
2494.85	-37.45	5.9	10.6	-32.75	V
3326.67	-54.07	6.8	12.6	-48.27	V
4157.33	-50.55	7.6	12.6	-45.55	V
4989.75	-53.61	7.5	12.7	-48.41	H
5820.34	-51.37	1.4	13.1	-39.67	V

Test Data （3MHz Bandwidth QPSK Mode channel 27040）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1697.54	-33.88	4.8	9.4	-29.28	V
2546.44	-37.89	5.9	10.6	-33.19	V
3395.87	-54.80	6.9	12.6	-49.10	V

4244.24	-52.65	7.8	12.6	-47.85	H
5093.65	-50.78	6.8	12.7	-44.88	V
5942.49	-52.11	1.4	13.1	-40.41	V

Test Data （3MHz Bandwidth 16QAM Mode channel 26690）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1627.45	-34.33	4.7	9.4	-29.63	V
2441.84	-38.54	5.9	10.6	-33.84	V
3255.67	-50.83	6.7	12.6	-44.93	V
4070.43	-52.67	7.6	12.6	-47.67	H
4884.76	-51.92	7.9	12.7	-47.12	V
5697.22	-52.57	1.7	13.1	-41.17	V

Test Data （3MHz Bandwidth 16QAM Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.45	-34.66	4.7	9.4	-29.96	H
2495.63	-37.45	5.9	10.6	-32.75	V
3325.56	-54.49	6.8	12.6	-48.69	V
4157.29	-54.37	7.6	12.6	-49.37	V
4990.95	-53.50	7.5	12.7	-48.30	V
5820.29	-53.70	1.4	13.1	-42.00	V

Test Data （3MHz Bandwidth 16QAM Mode channel 27040）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1698.38	-34.65	4.8	9.4	-30.05	V
2547.45	-38.22	5.9	10.6	-33.52	H
3395.68	-50.99	6.9	12.6	-45.29	V

4244.77	-51.81	7.8	12.6	-47.01	V
5094.59	-51.87	6.8	12.7	-45.97	V
5942.67	-54.28	1.4	13.1	-42.58	V

Test Data （5MHz Bandwidth QPSK Mode channel 26715）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1630.65	-34.63	4.7	9.4	-29.93	V
2445.28	-38.53	5.9	10.6	-33.83	V
3259.64	-51.34	6.7	12.6	-45.44	H
4073.46	-54.97	7.6	12.6	-49.97	V
4887.88	-53.36	7.9	12.7	-48.56	V
5700.96	-52.33	1.7	13.1	-40.93	V

Test Data （5MHz Bandwidth QPSK Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.53	-33.83	4.7	9.4	-29.13	V
2494.82	-38.44	5.9	10.6	-33.74	V
3326.48	-50.30	6.8	12.6	-44.50	H
4157.97	-52.64	7.6	12.6	-47.64	V
4989.13	-53.82	7.5	12.7	-48.62	V
5820.67	-51.25	1.4	13.1	-39.55	V

Test Data （5MHz Bandwidth QPSK Mode channel 27015）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1696.35	-34.61	4.8	9.4	-30.01	V
2545.72	-38.53	5.9	10.6	-33.83	H
3394.47	-50.96	6.9	12.6	-45.26	V

4243.82	-54.71	7.8	12.6	-49.91	H
5092.57	-51.32	6.8	12.7	-45.42	V
5941.93	-52.68	1.4	13.1	-40.98	V

Test Data （5MHz Bandwidth 16QAM Mode channel 26715）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1629.45	-34.72	4.7	9.4	-30.02	V
2443.48	-37.90	5.9	10.6	-33.20	V
3257.76	-50.18	6.7	12.6	-44.28	V
4072.68	-50.99	7.6	12.6	-45.99	V
4886.88	-52.60	7.9	12.7	-47.80	V
5699.49	-53.38	1.7	13.1	-41.98	H

Test Data （5MHz Bandwidth 16QAM Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.15	-33.65	4.7	9.4	-28.95	V
2495.84	-39.07	5.9	10.6	-34.37	V
3325.55	-52.51	6.8	12.6	-46.71	H
4157.89	-52.58	7.6	12.6	-47.58	H
4990.52	-51.96	7.5	12.7	-46.76	V
5820.59	-52.53	1.4	13.1	-40.83	V

Test Data （5MHz Bandwidth 16QAM Mode channel 27015）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1696.53	-34.62	4.8	9.4	-30.02	V
2545.31	-38.59	5.9	10.6	-33.89	V
3394.20	-50.94	6.9	12.6	-45.24	V

4243.45	-54.33	7.8	12.6	-49.53	V
5092.23	-53.23	6.8	12.7	-47.33	H
5941.57	-51.11	1.4	13.1	-39.41	H

Test Data （10MHz Bandwidth QPSK Mode channel 26740）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1632.47	-34.73	4.7	9.4	-30.03	V
2447.47	-38.79	5.9	10.6	-34.09	V
3261.31	-51.47	6.7	12.6	-45.57	V
4075.79	-51.98	7.6	12.6	-46.98	V
4889.24	-52.71	7.9	12.7	-47.91	H
5702.62	-51.16	1.7	13.1	-39.76	V

Test Data （10MHz Bandwidth QPSK Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.41	-34.73	4.7	9.4	-30.03	V
2494.78	-38.70	5.9	10.6	-34.00	V
3326.52	-50.19	6.8	12.6	-44.39	H
4157.36	-51.27	7.6	12.6	-46.27	H
4989.82	-54.93	7.5	12.7	-49.73	V
5820.53	-52.18	1.4	13.1	-40.48	V

Test Data （10MHz Bandwidth QPSK Mode channel 26990）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1694.26	-33.87	4.8	9.4	-29.27	V
2543.14	-38.51	5.9	10.6	-33.81	V
3392.84	-50.53	6.9	12.6	-44.83	V

4241.38	-52.15	7.8	12.6	-47.35	H
5090.78	-52.89	6.8	12.7	-46.99	V
5939.46	-52.62	1.4	13.1	-40.92	V

Test Data （10MHz Bandwidth 16QAM Mode channel 26740）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1632.53	-34.51	4.7	9.4	-29.81	V
2445.17	-39.07	5.9	10.6	-34.37	V
3259.47	-50.01	6.7	12.6	-44.11	H
4075.95	-52.78	7.6	12.6	-47.78	V
4888.60	-53.59	7.9	12.7	-48.79	H
5701.23	-51.17	1.7	13.1	-39.77	V

Test Data （10MHz Bandwidth 16QAM Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.42	-33.78	4.7	9.4	-29.08	V
2495.61	-38.64	5.9	10.6	-33.94	V
3325.49	-50.40	6.8	12.6	-44.60	H
4157.73	-53.33	7.6	12.6	-48.33	H
4990.69	-54.79	7.5	12.7	-49.59	V
5820.58	-53.39	1.4	13.1	-41.69	V

Test Data （10MHz Bandwidth 16QAM Mode channel 26990）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1694.56	-33.67	4.8	9.4	-29.07	V
2543.49	-39.64	5.9	10.6	-34.94	V
3392.63	-52.35	6.9	12.6	-46.65	V

4241.48	-52.38	7.8	12.6	-47.58	V
5090.23	-54.30	6.8	12.7	-48.40	V
5939.47	-54.42	1.4	13.1	-42.72	V

Test Data （15MHz Bandwidth QPSK Mode channel 26765）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1634.28	-34.22	4.7	9.4	-29.52	V
2449.54	-38.74	5.9	10.6	-34.04	V
3263.58	-53.79	6.7	12.6	-47.89	V
4077.34	-50.06	7.6	12.6	-45.06	V
4891.39	-52.37	7.9	12.7	-47.57	V
5704.81	-51.33	1.7	13.1	-39.93	H

Test Data （15MHz Bandwidth QPSK Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.45	-34.91	4.7	9.4	-30.21	V
2494.72	-39.13	5.9	10.6	-34.43	V
3326.34	-50.54	6.8	12.6	-44.74	V
4157.84	-52.57	7.6	12.6	-47.57	H
4989.26	-52.35	7.5	12.7	-47.15	V
5820.53	-50.01	1.4	13.1	-38.31	V

Test Data （15MHz Bandwidth QPSK Mode channel 26965）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1692.41	-33.54	4.8	9.4	-28.94	V
2541.74	-38.81	5.9	10.6	-34.11	V
3390.36	-50.25	6.9	12.6	-44.55	H

4239.51	-53.69	7.8	12.6	-48.89	V
5088.36	-52.23	6.8	12.7	-46.33	V
5937.73	-54.57	1.4	13.1	-42.87	V

Test Data （15MHz Bandwidth 16QAM Mode channel 26765）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1634.45	-33.86	4.7	9.4	-29.16	V
2449.16	-38.39	5.9	10.6	-33.69	V
3263.74	-52.44	6.7	12.6	-46.54	H
4077.58	-53.76	7.6	12.6	-48.76	V
4891.48	-53.25	7.9	12.7	-48.45	H
5704.64	-51.49	1.7	13.1	-40.09	V

Test Data （15MHz Bandwidth 16QAM Mode channel 26856）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1663.27	-34.52	4.7	9.4	-29.82	V
2495.57	-39.25	5.9	10.6	-34.55	V
3325.22	-54.57	6.8	12.6	-48.77	H
4157.21	-51.36	7.6	12.6	-46.36	H
4990.69	-52.37	7.5	12.7	-47.17	V
5820.40	-51.09	1.4	13.1	-39.39	V

Test Data （15MHz Bandwidth 16QAM Mode channel 26965）

Frequency [MHz]	Generator output power(P_g) [dBm]	Cable loss [dB]	Antenna Gain [dB]	Spurious Emission Power (P_d) [dBm]	Antenna Polarization [H/V]
1692.47	-33.62	4.8	9.4	-29.02	V
2541.54	-38.73	5.9	10.6	-34.03	V
3390.74	-52.37	6.9	12.6	-46.67	V

4239.3	-51.11	7.8	12.6	-46.31	H
5088.89	-50.80	6.8	12.7	-44.90	V
5937.68	-50.77	1.4	13.1	-39.07	V

5.5 Band Edge

Specifications:	FCC Part 2.1051, 24.238, 2.1053, 22.917, 27.53
DUT Serial Number:	S1: D20618181ACDFF4
Test conditions:	Ambient Temperature:15℃-35℃ Relative Humidity:30%-60% Air pressure: 86-106kPa
Test Results:	--

Limit Level Construction:

According to Part 22.917 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB.

According to Part 24.238 (a), i.e., Out of Band emissions. The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least 43 + 10 log(P) dB, so the limit level is: P(dBm)– (43 + 10 log(P)) dB= -13dBm.

According to Part 27.53(h):

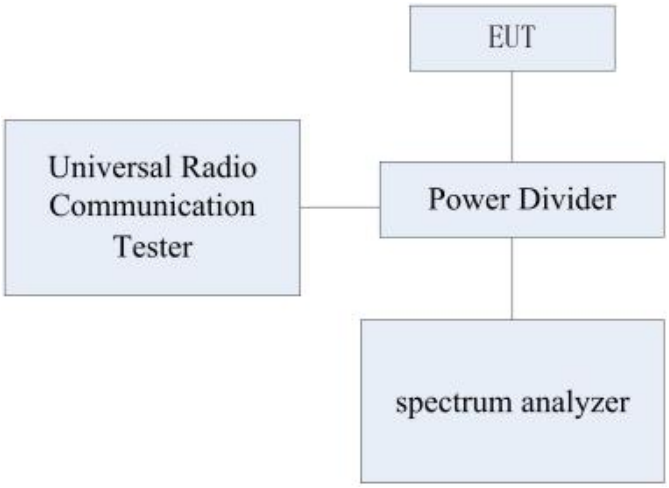
Except as otherwise specified below, for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 Bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least 43 + 10 log10(P) dB.

According to Part 27.53(g):

For operations in the 600 MHz Band and the 698-746 MHz Band, the power of any emission outside a licensee's frequency Band(s) of operation shall be attenuated below the transmitter power (P) within the licensed Band(s) of operation, measured in watts, by at least 43 + 10 log (P) dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution Bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz Bands immediately outside and adjacent to a licensee's frequency block, a resolution Bandwidth of at least 30 kHz may be employed.

Test Setup:

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



Test Method:

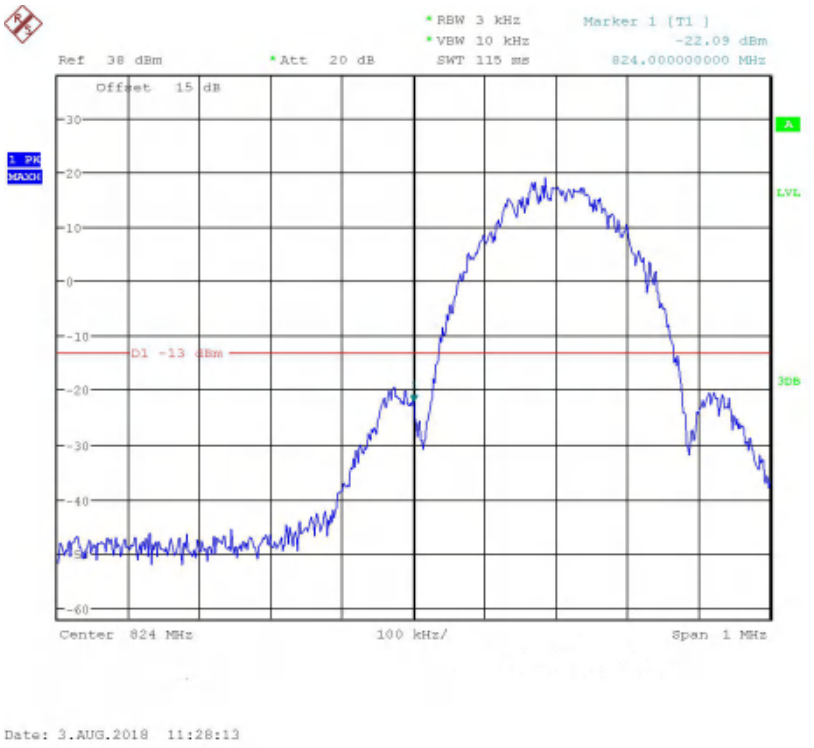
1) The EUT was coupled to the EMI test receiver analyzer mode and the base station simulator through a power divider. The lost of the cables the test system is calibrated to correct the readings.

2) The spectrum analyzer was set to Average Detector function and Maximum hold mode.

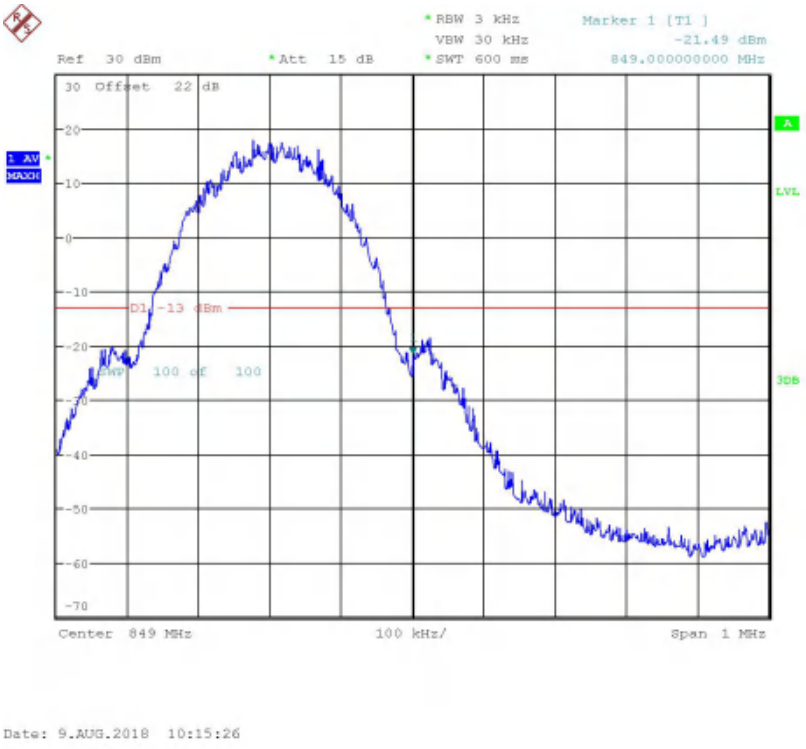
3) The resolution bandwidth of the spectrum analyzer is slightly greater than 1% of the transmission bandwidth of 26dB or greater than or equal to 30kHz.

Note: In the graphical result description (X, Y), X represents the number of RB, Y represents the RB offset.

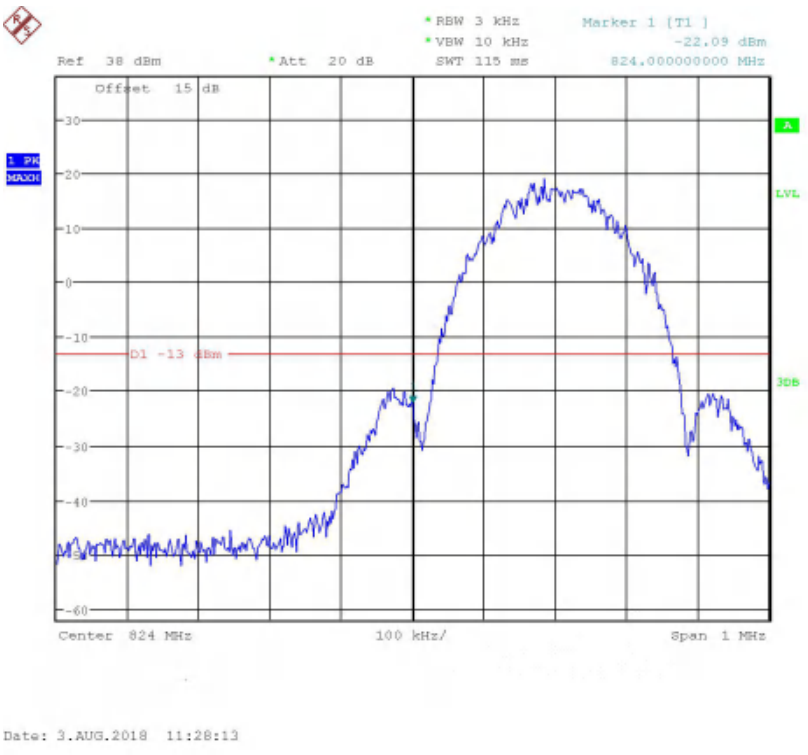
5.5.1 GSM850 Band Edge Results



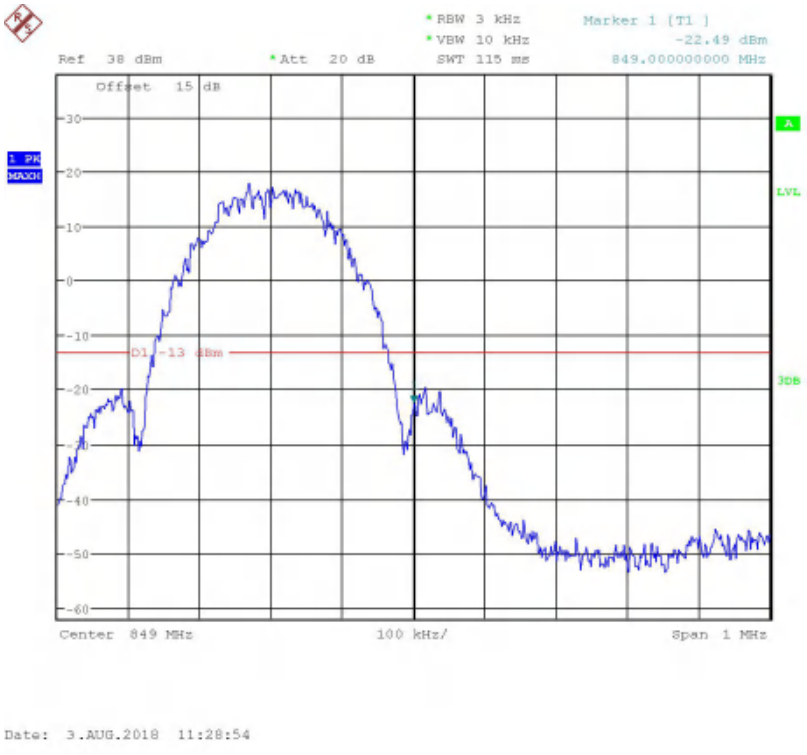
GSMK-Cellular low channel-below 824 MHz



GMSK-Cellular high channel-above 849 MHz

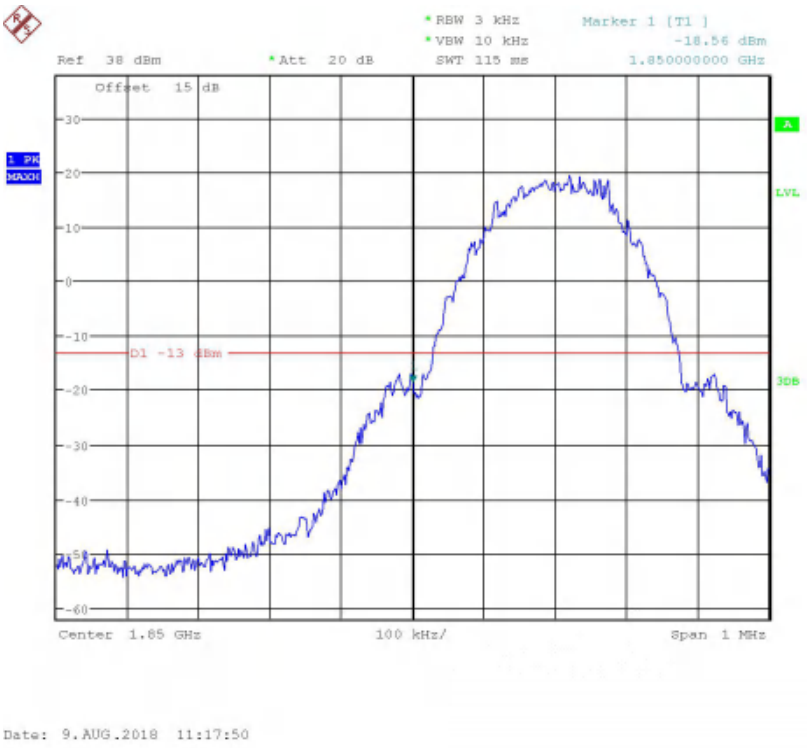


8PSK-Cellular low channel-below 824 MHz

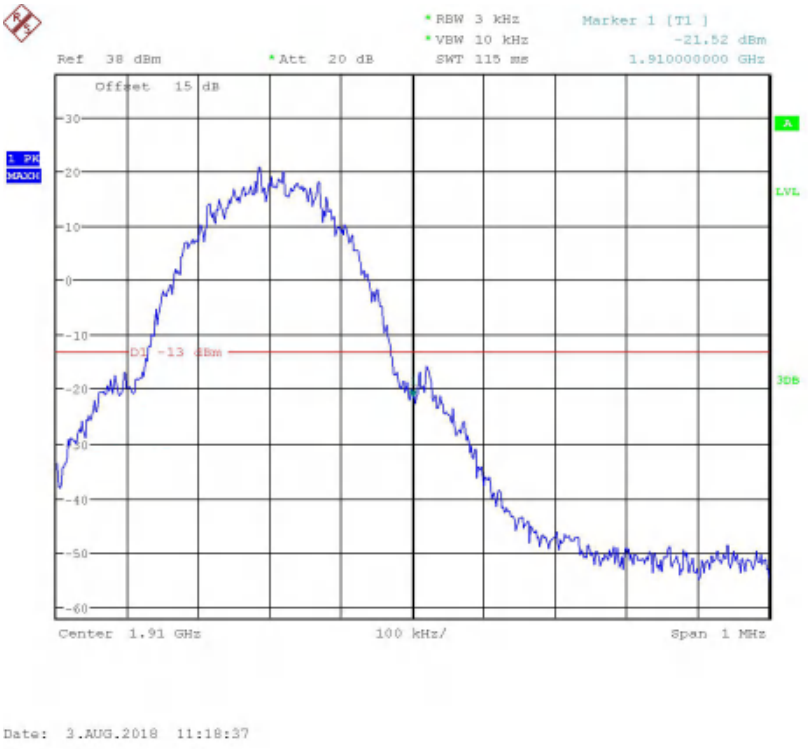


8PSK-Cellular high channel-above 849 MHz

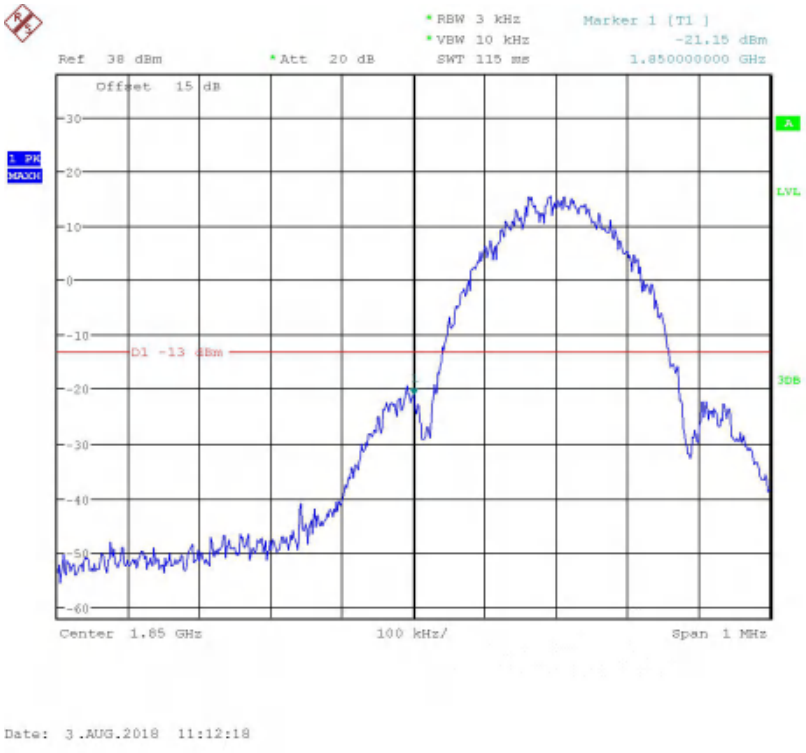
5.5.2 PCS1900 Band Edge Results



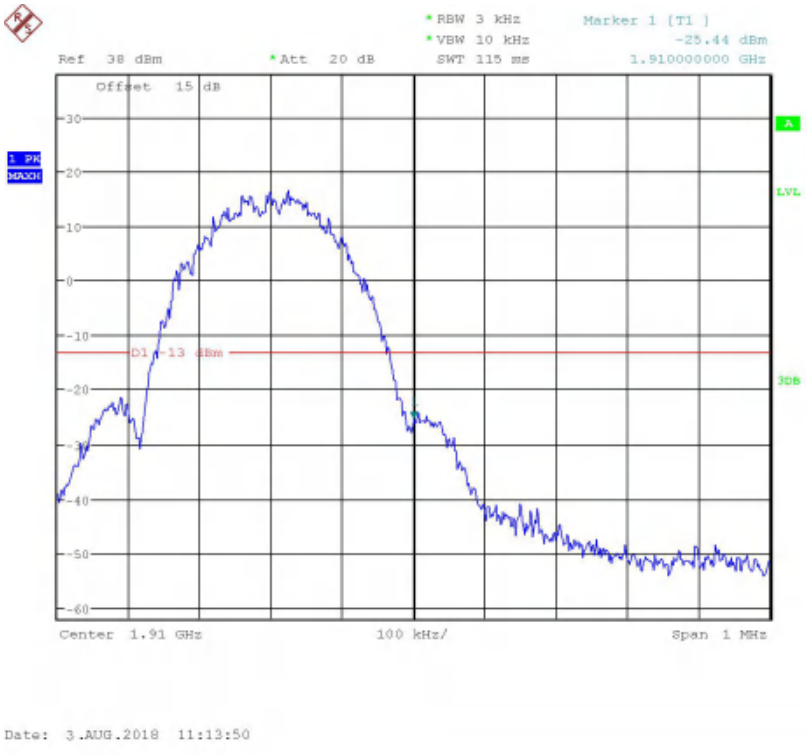
GMSK-PCS low channel-below 1850 MHz



GMSK-PCS high channel-above 1910 MHz

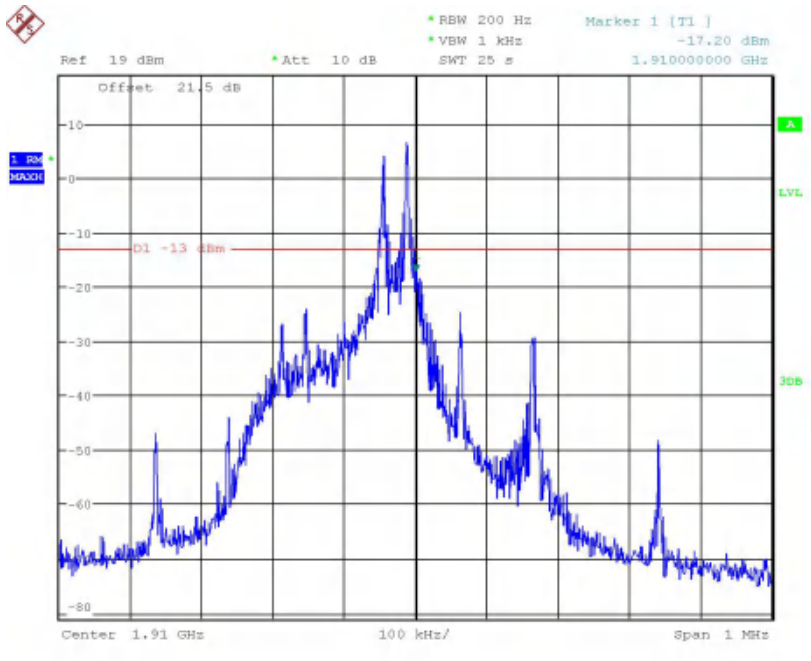


8PSK-PCS low channel-below 1850 MHz

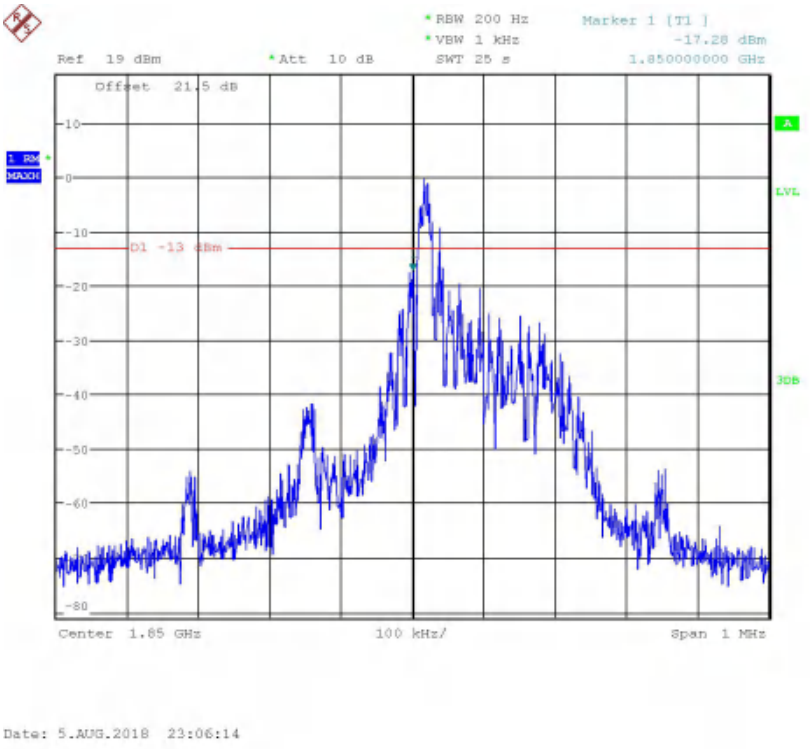


8PSK-PCS high channel-above 1910 MHz

5.5.3 NB-IoT Band2 Edge Results

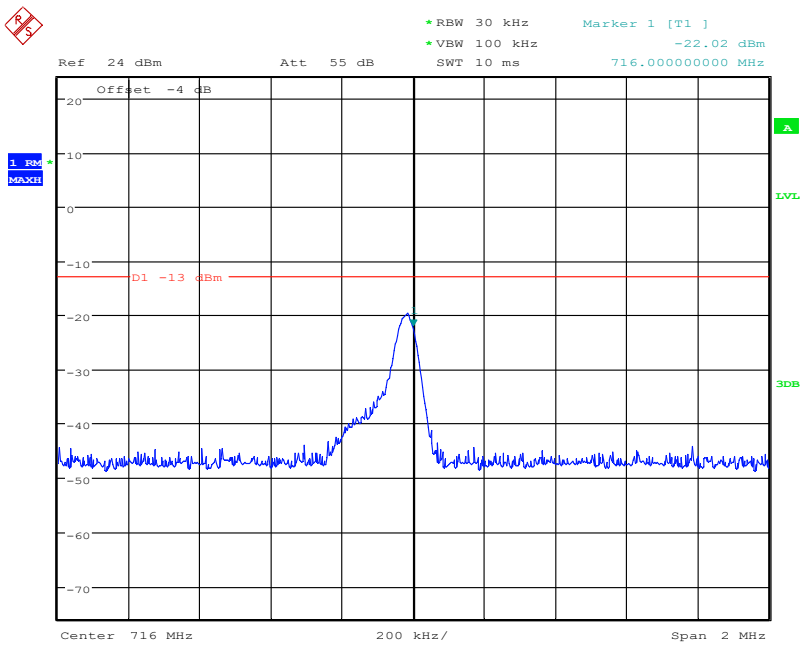


Band2-High Channel

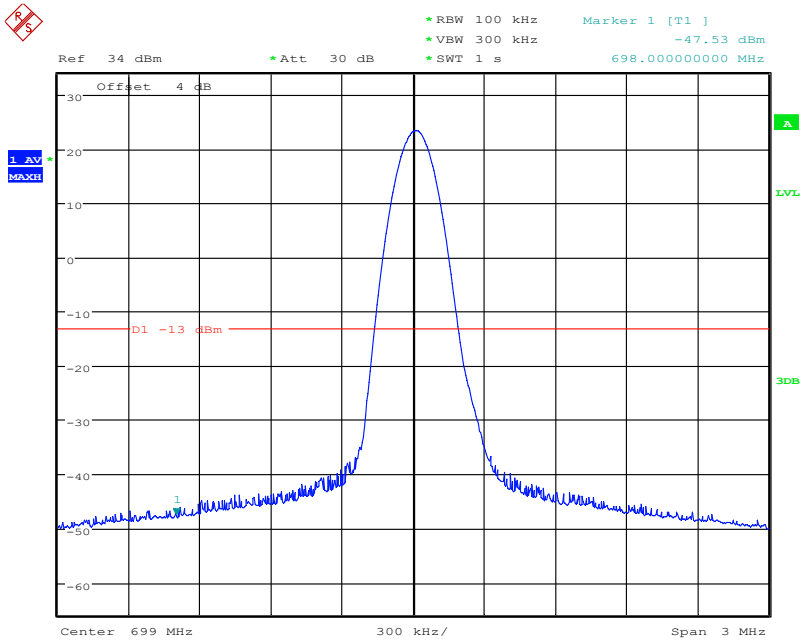


Band2-Low Channel

5.5.4 NB-IoT Band12 Edge Results

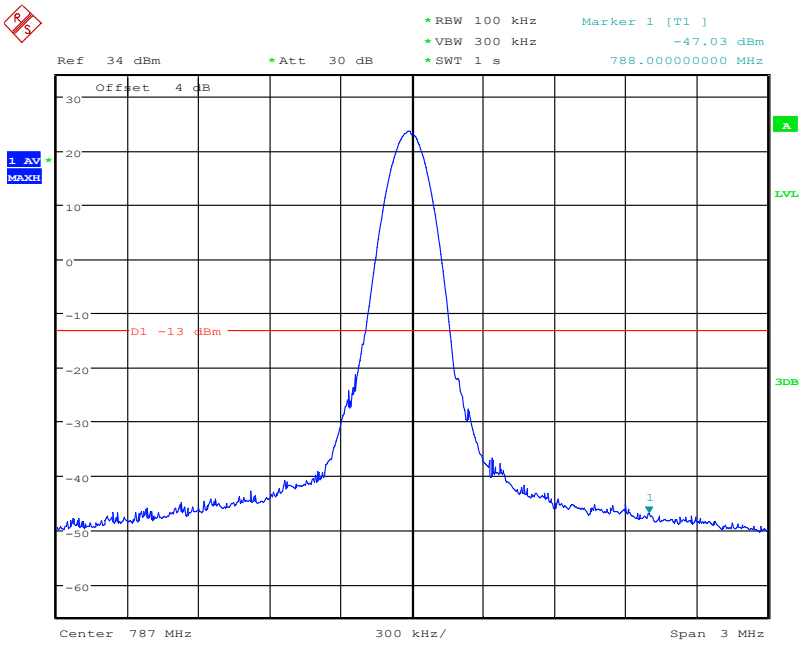


Band12-High Channel



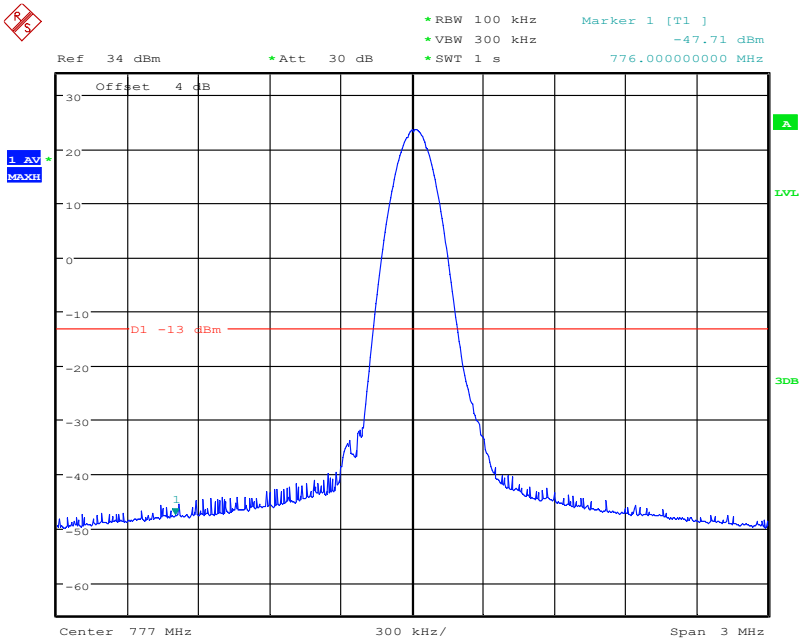
Band12-Low Channel

5.5.5 NB-IoT Band13 Edge Results



Date: 22.OCT.2019 10:28:49

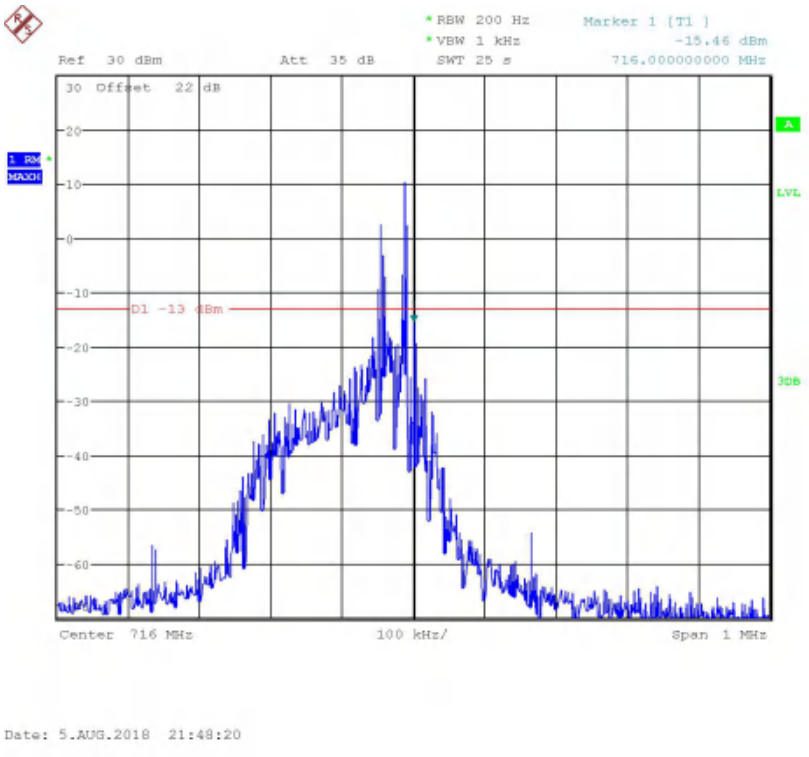
Band13-High Channel



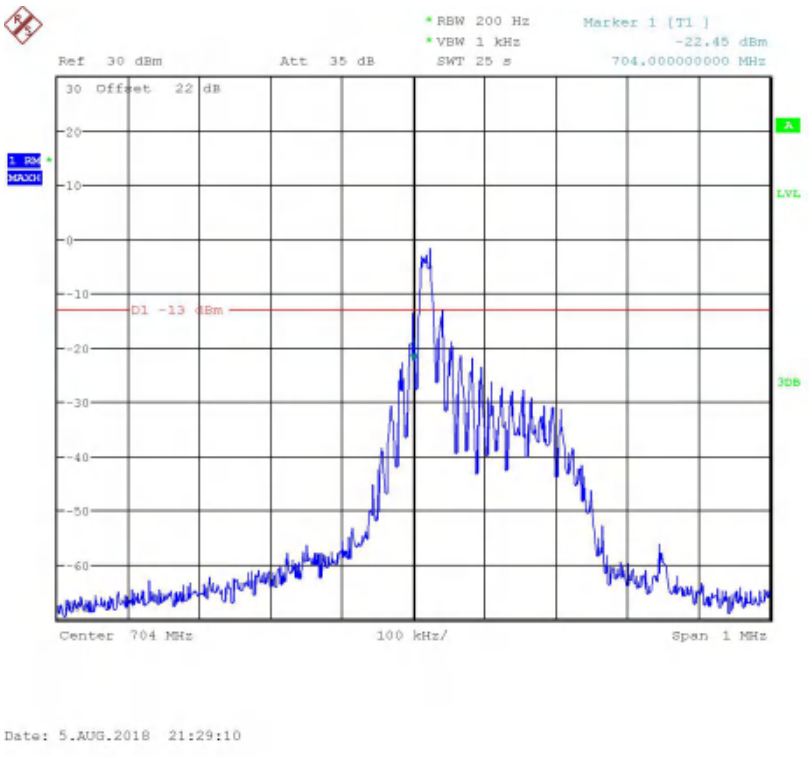
Date: 22.OCT.2019 10:22:02

Band13-Low Channel

5.5.6 NB-IoT Band17 Edge Results

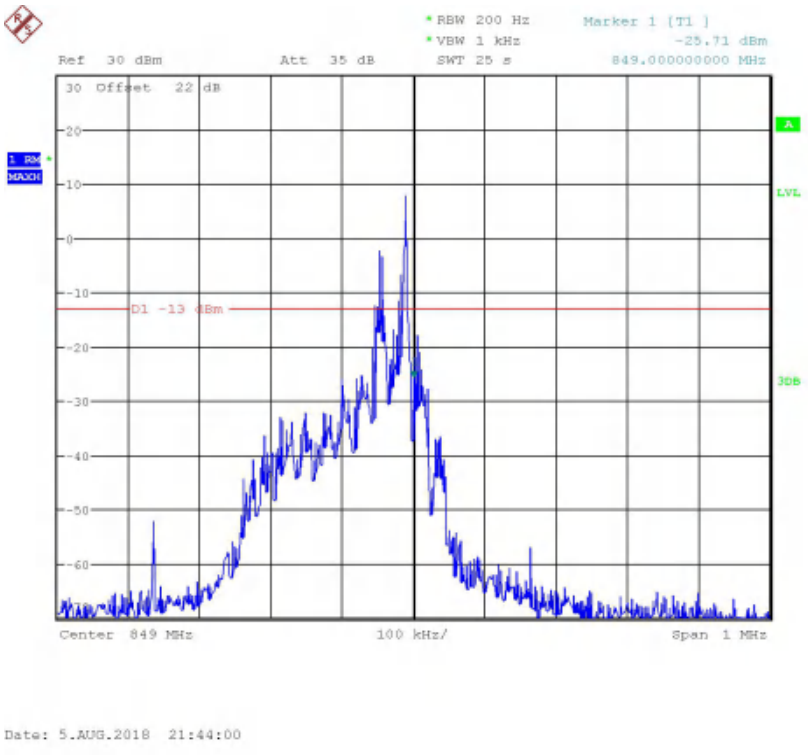


Band17-High Channel

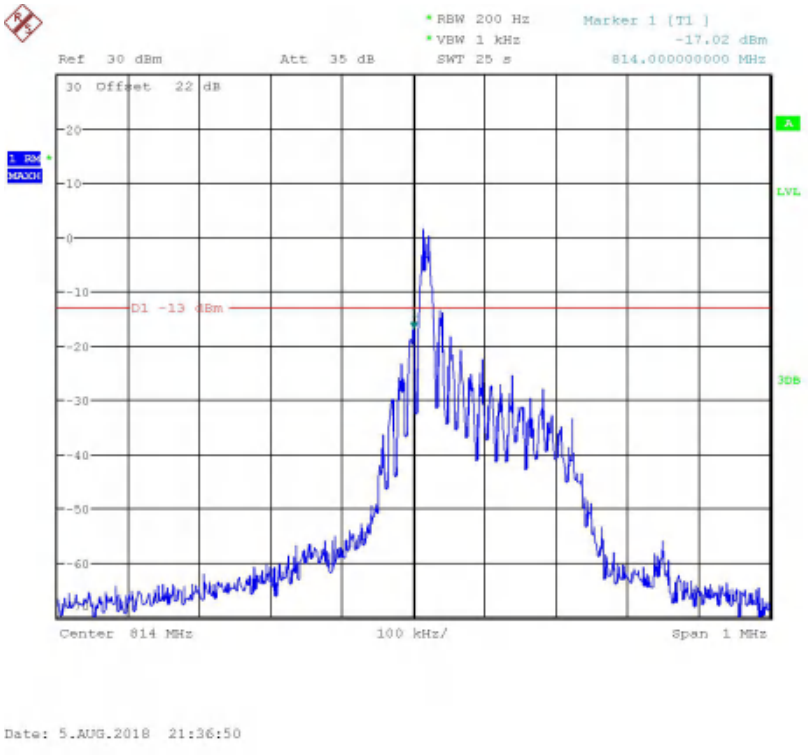


Band17-Low Channel

5.5.7 NB-IoT Band26 Edge Results

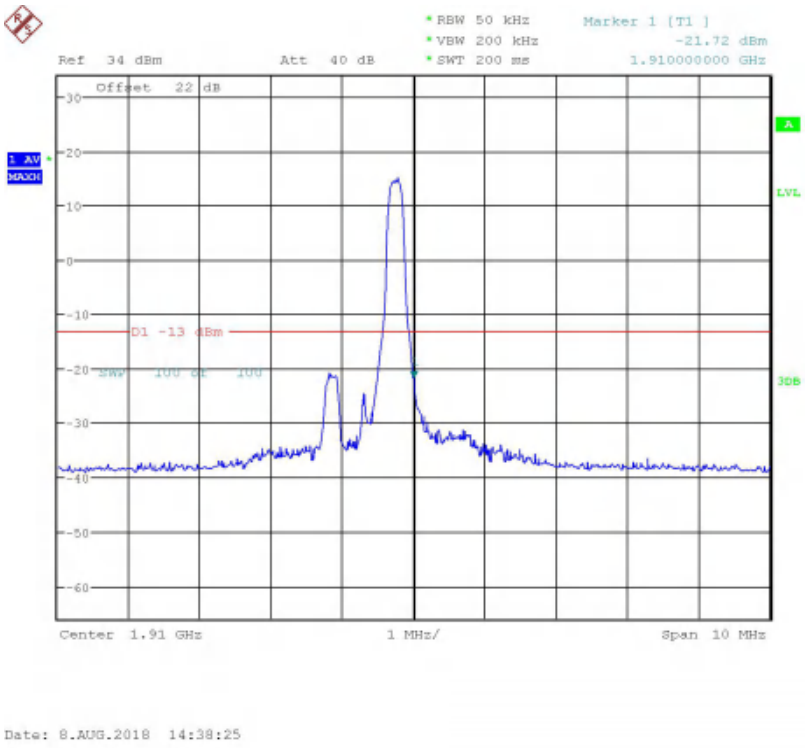


Band26-High Channel

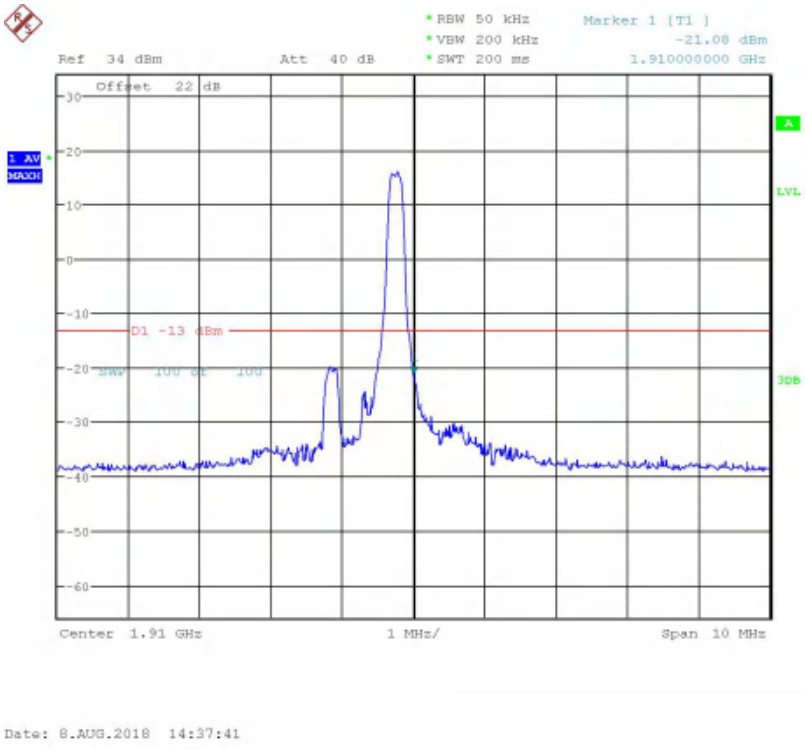


Band26-Low Channel

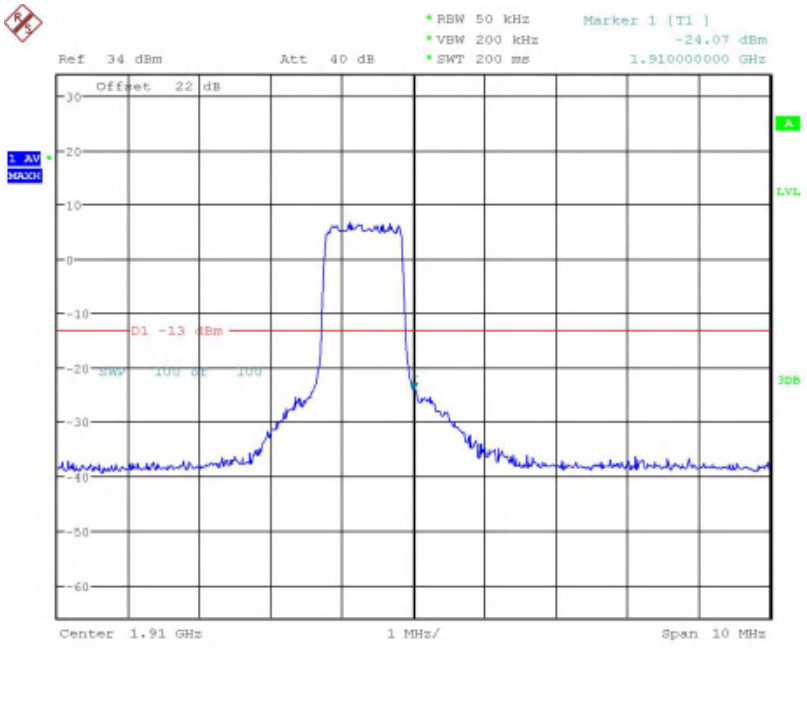
5.5.8 CAT-M Band2 Edge Results



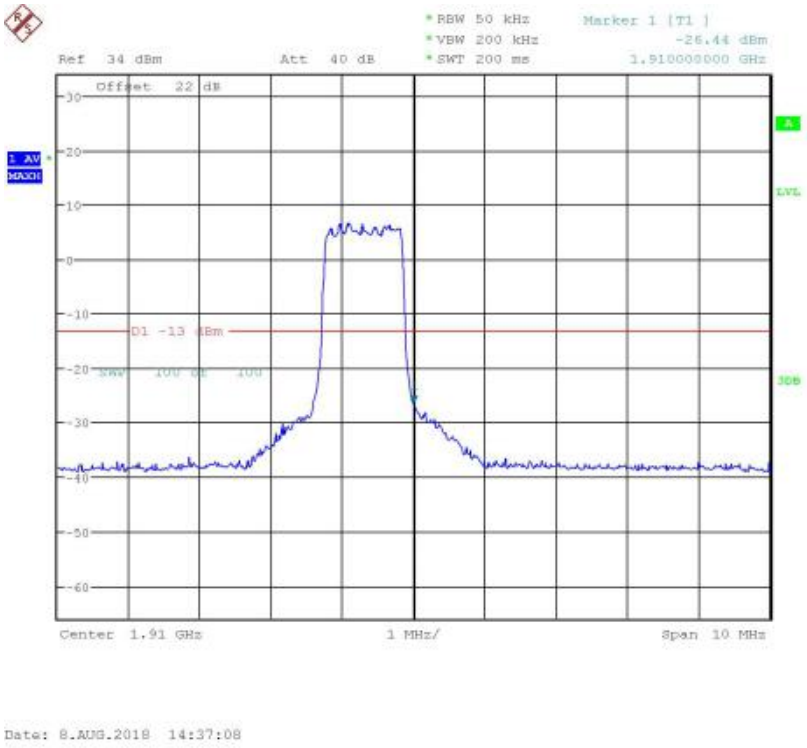
Band2-High Channel-1.4MHz Bandwidth-1RB-16QAM



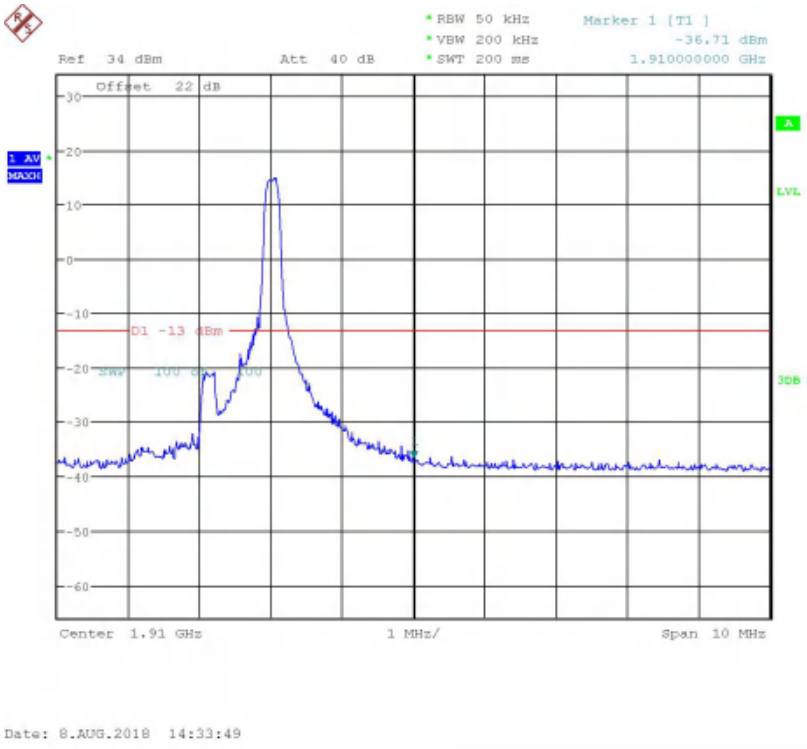
Band2-High Channel-1.4MHz Bandwidth-1RB-QPSK



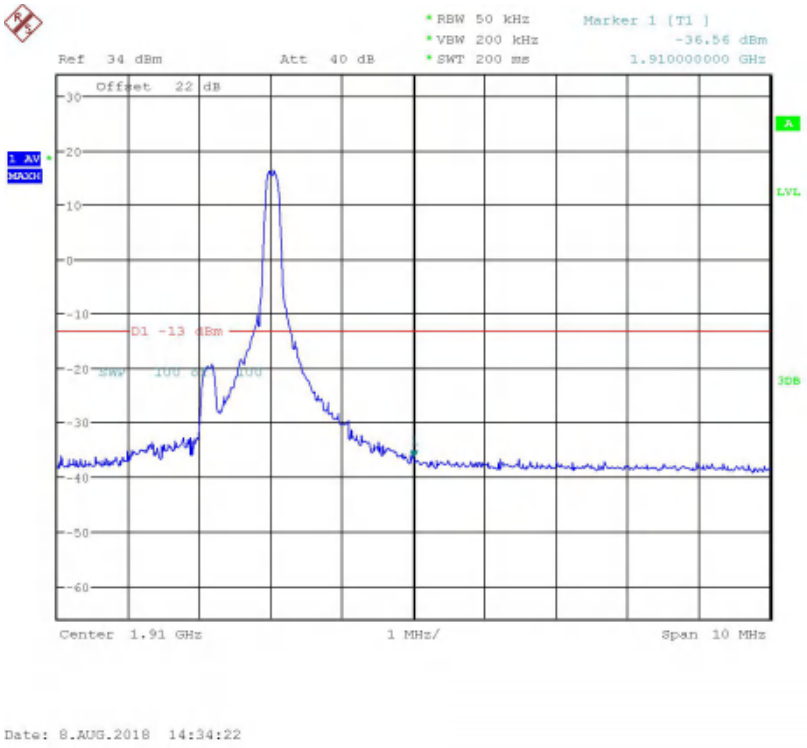
Band2-High Channel-1.4MHz Bandwidth-6RB-16QAM



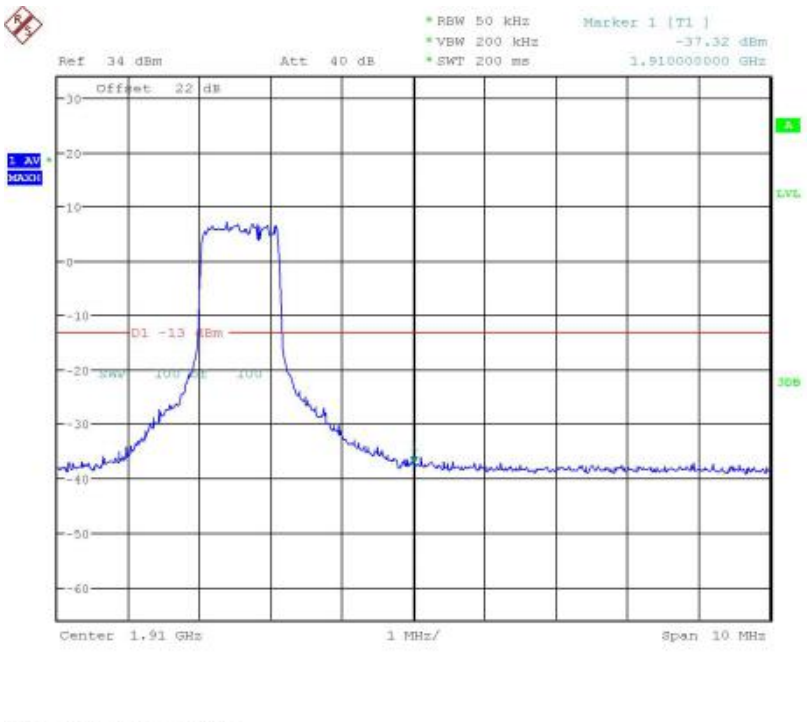
Band2-High Channel-1.4MHz Bandwidth-6RB-QPSK



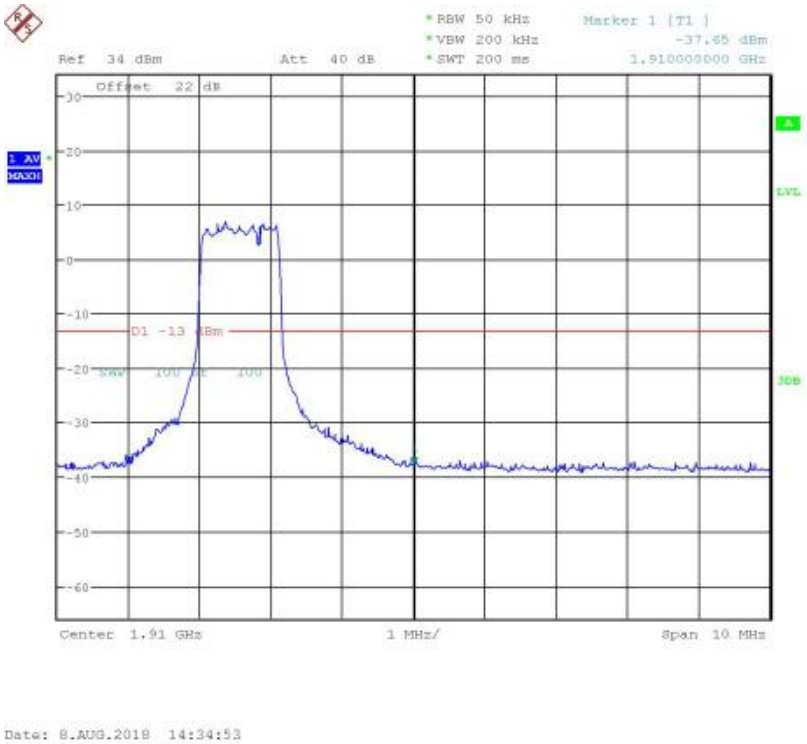
Band2-High Channel-3MHz Bandwidth-1RB-16QAM



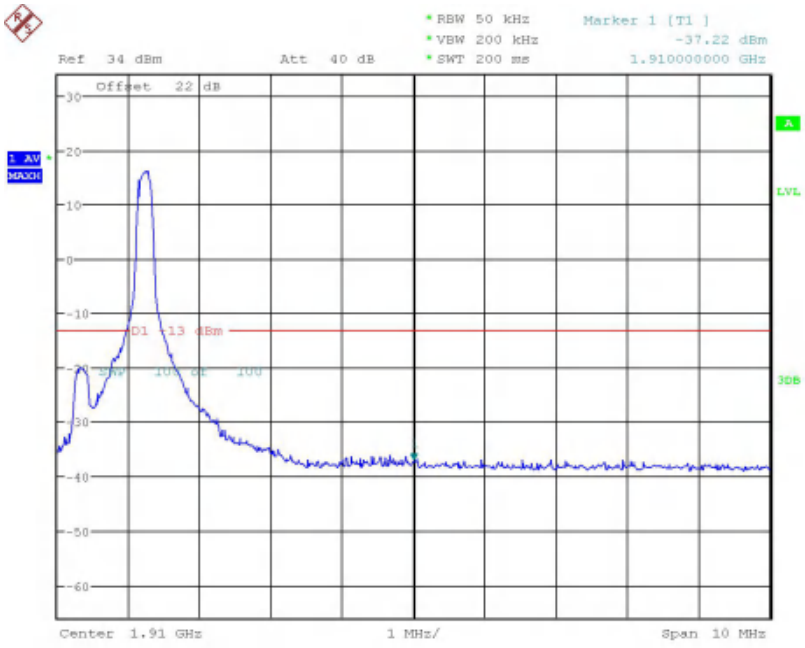
Band2-High Channel-3MHz Bandwidth-1RB-QPSK



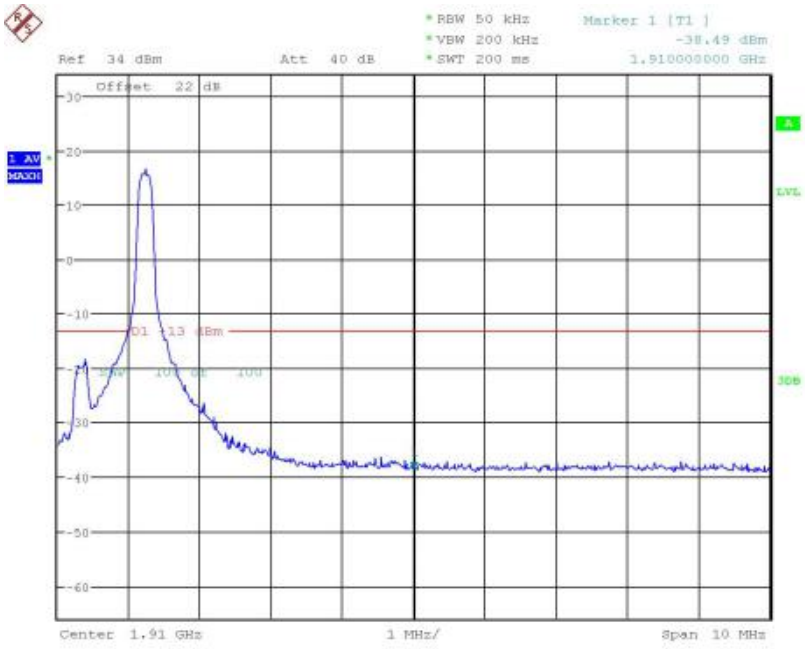
Band2-High Channel-3MHz Bandwidth-6RB-16QAM



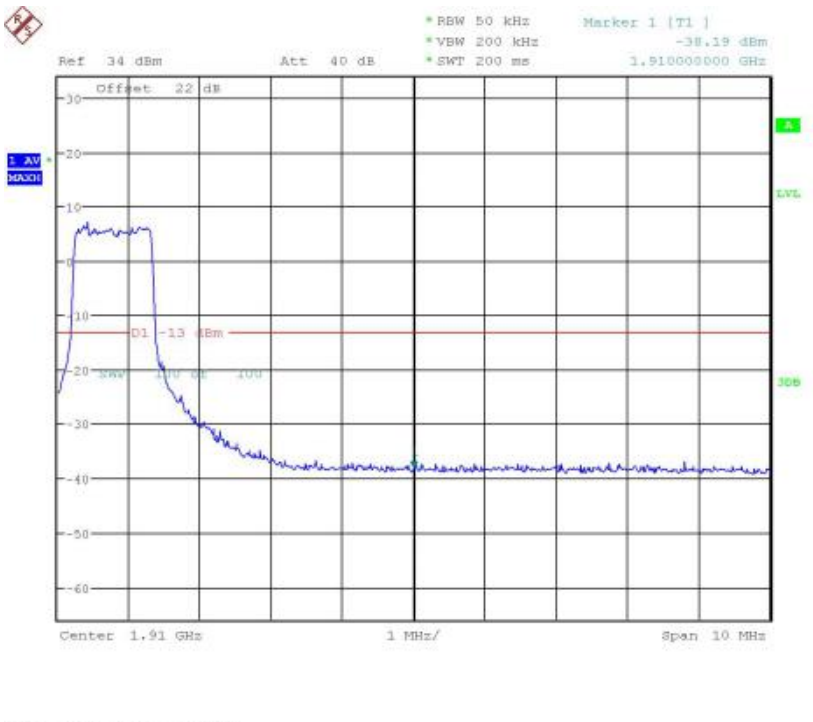
Band2-High Channel-3MHz Bandwidth-6RB-QPSK



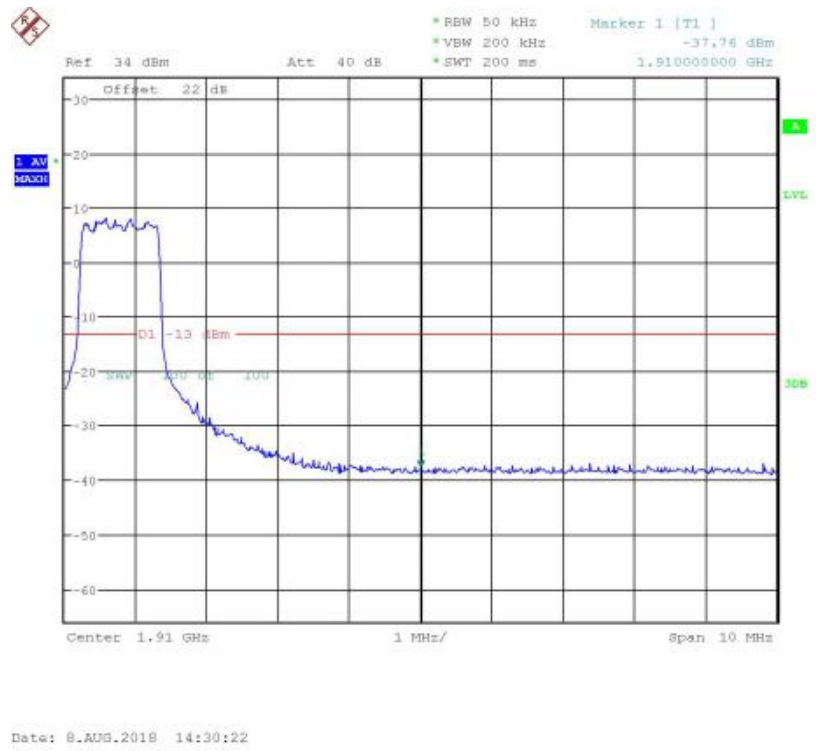
Band2-High Channel-5MHz Bandwidth-1RB-16QAM



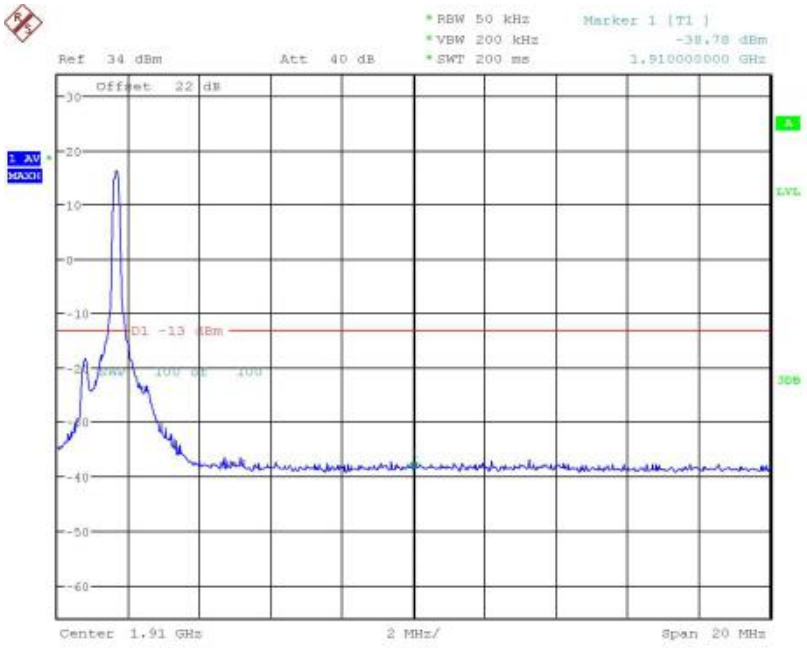
Band2-High Channel-5MHz Bandwidth-1RB-QPSK



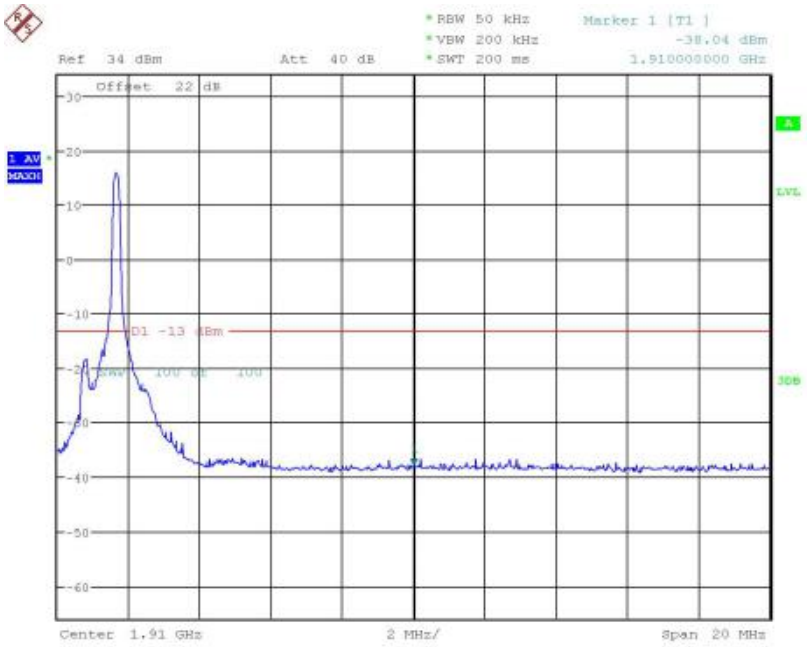
Band2-High Channel-5MHz Bandwidth-6RB-16QAM



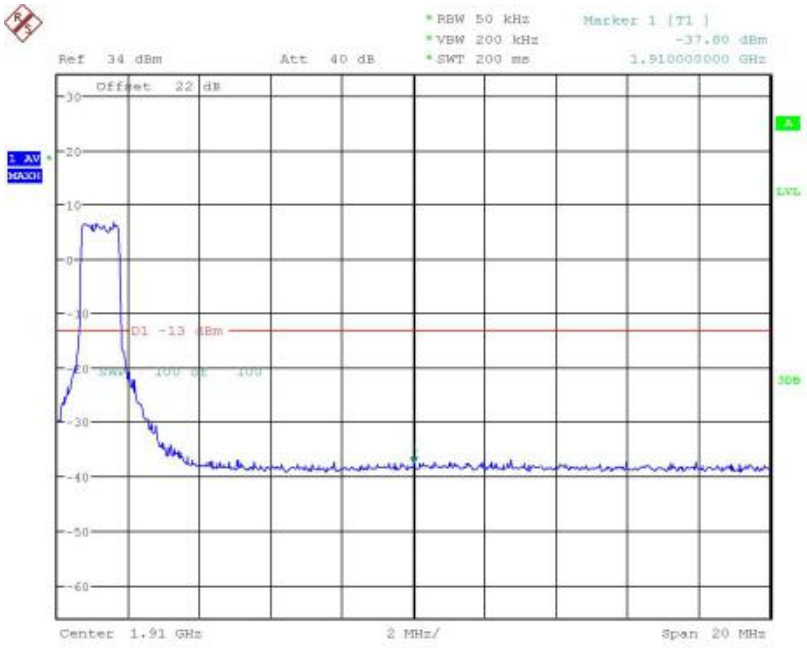
Band2-High Channel-5MHz Bandwidth-6RB-QPSK



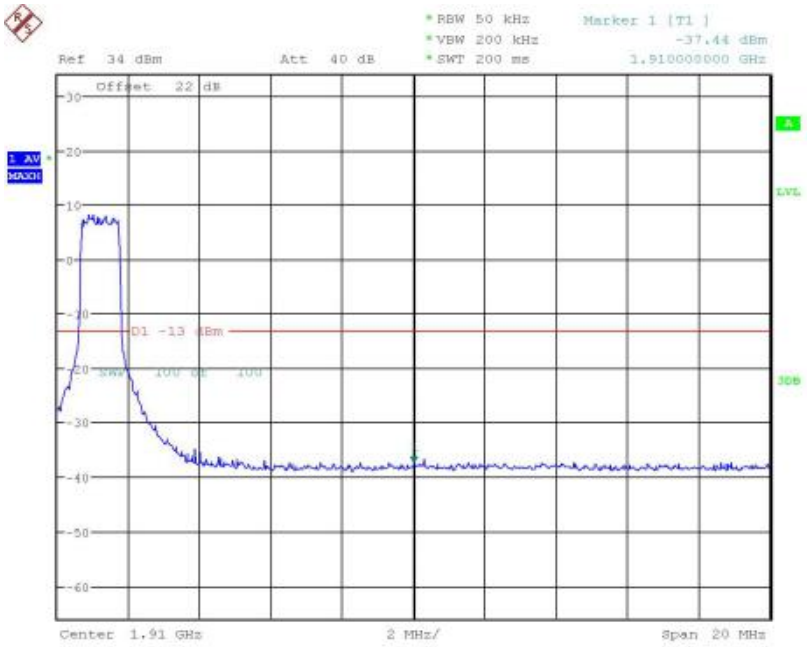
Band2-High Channel-10MHz Bandwidth-1RB-16QAM



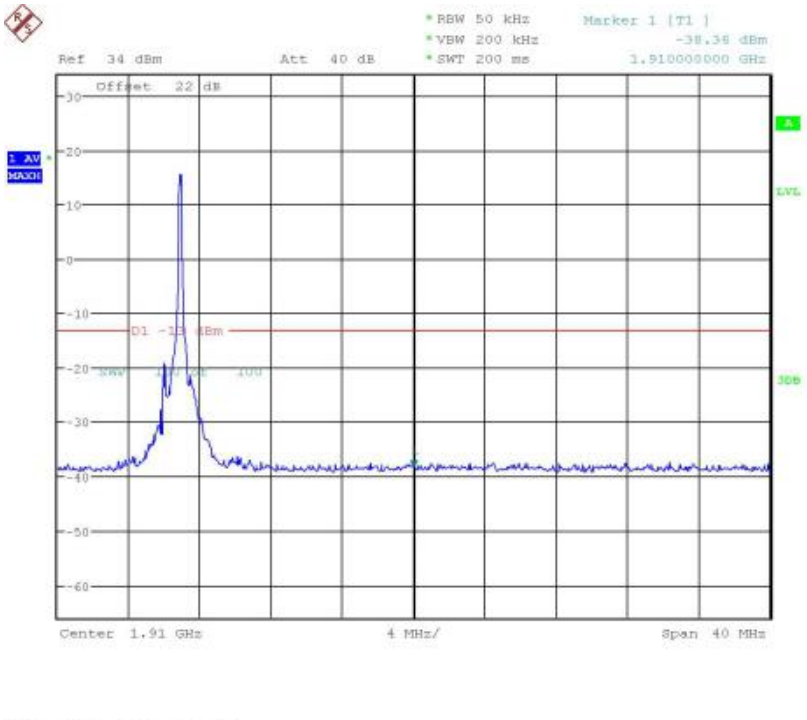
Band2-High Channel-10MHz Bandwidth-1RB-QPSK



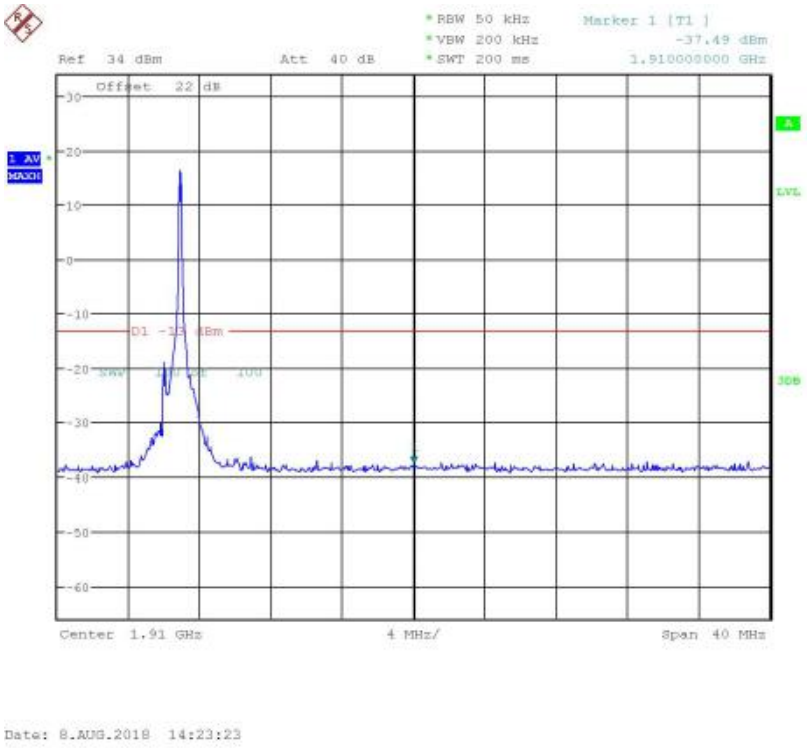
Band2-High Channel-10MHz Bandwidth-6RB-16QAM



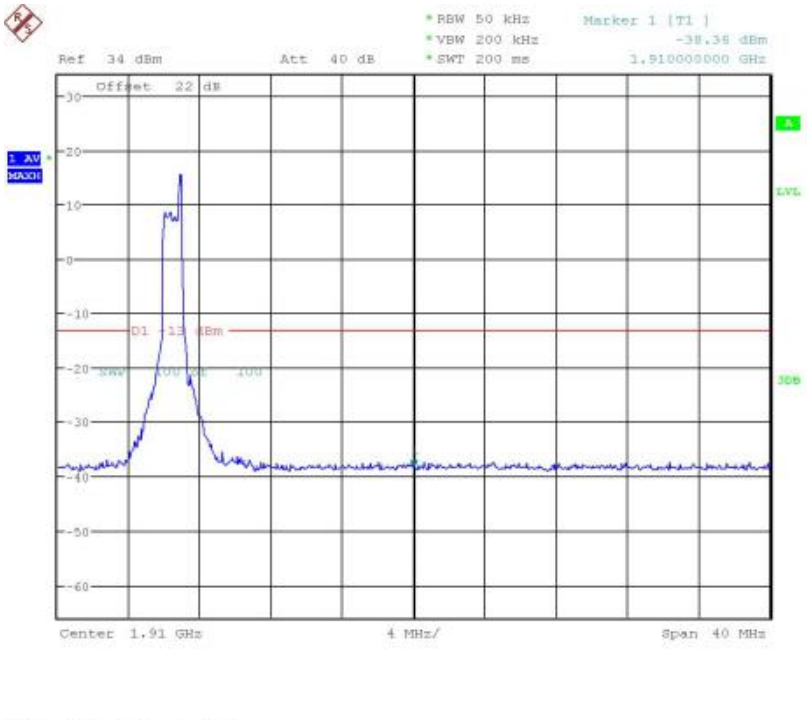
Band2-High Channel-10MHz Bandwidth-6RB-QPSK



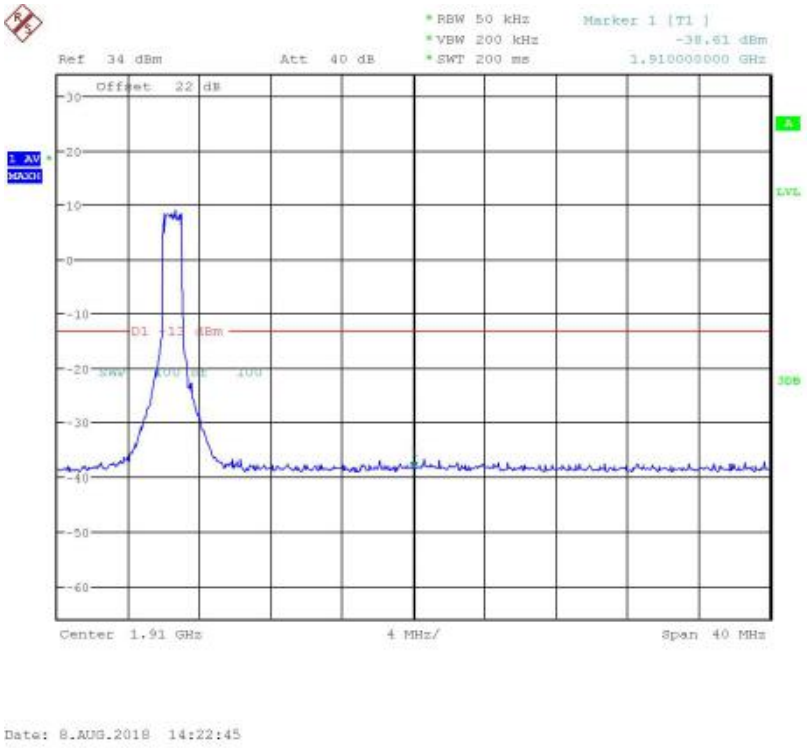
Band2-High Channel-15MHz Bandwidth-1RB-16QAM



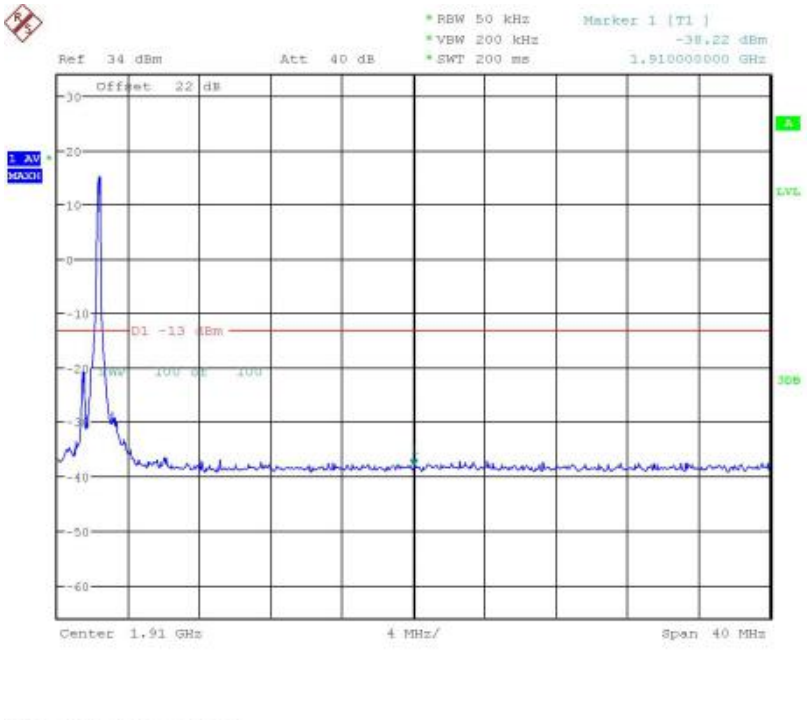
Band2-High Channel-15MHz Bandwidth-1RB-QPSK



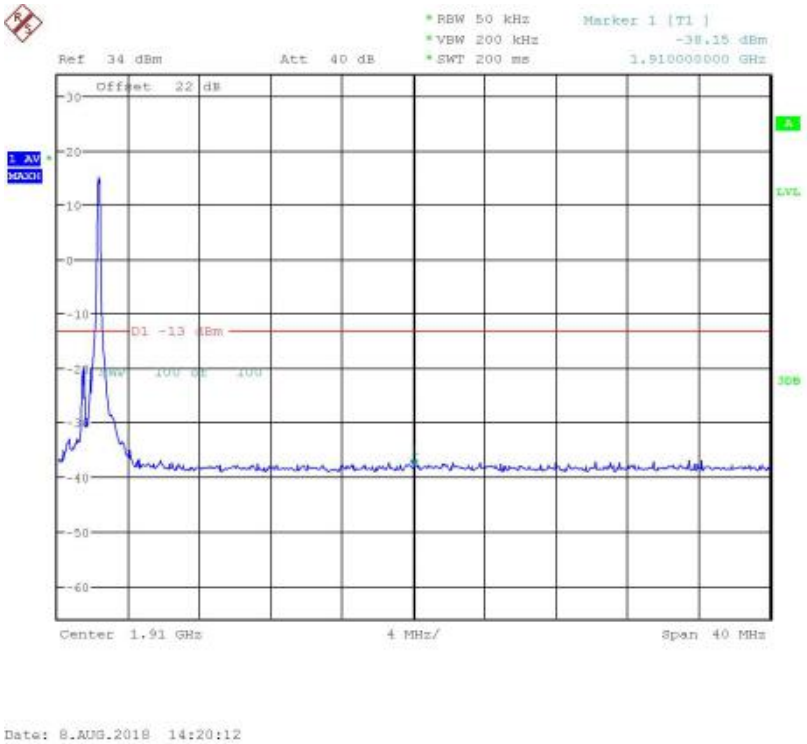
Band2-High Channel-15MHz Bandwidth-6RB-16QAM



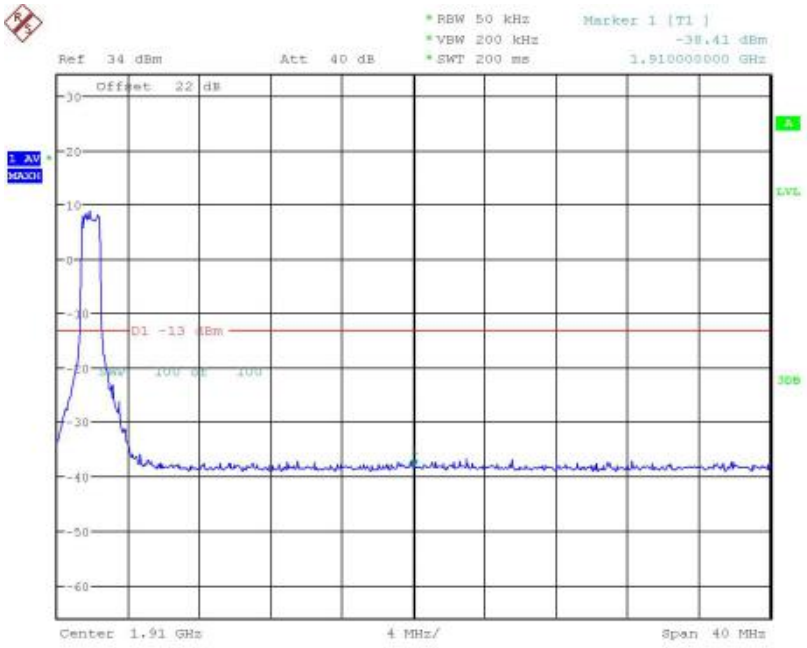
Band2-High Channel-15MHz Bandwidth-6RB-QPSK



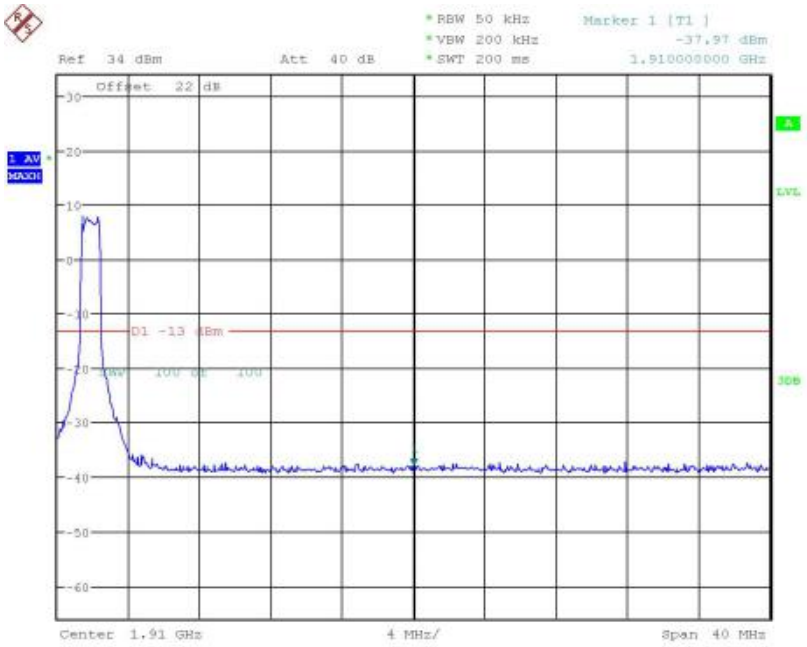
Band2-High Channel-20MHz Bandwidth-1RB-16QAM



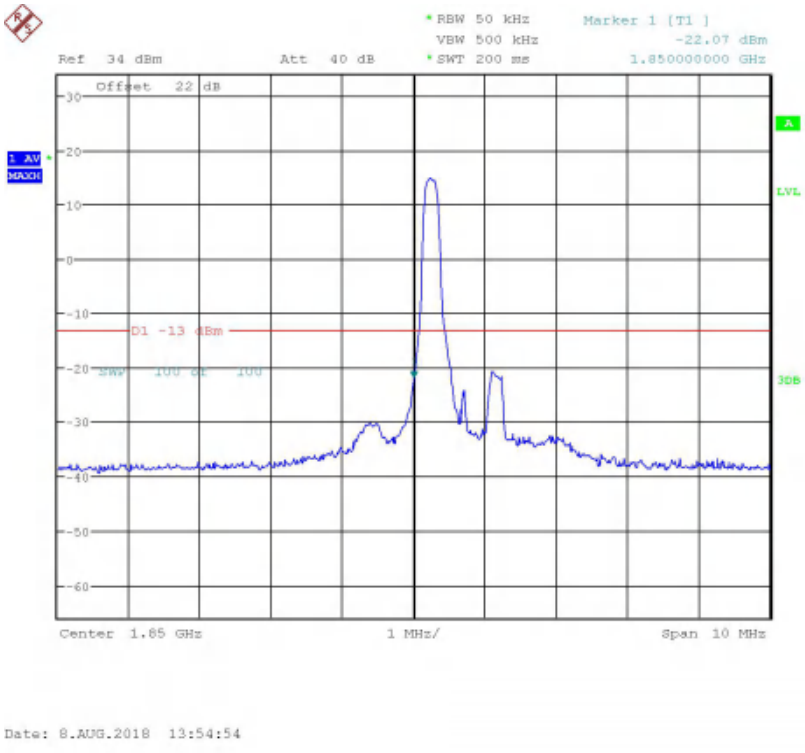
Band2-High Channel-20MHz Bandwidth-1RB-QPSK



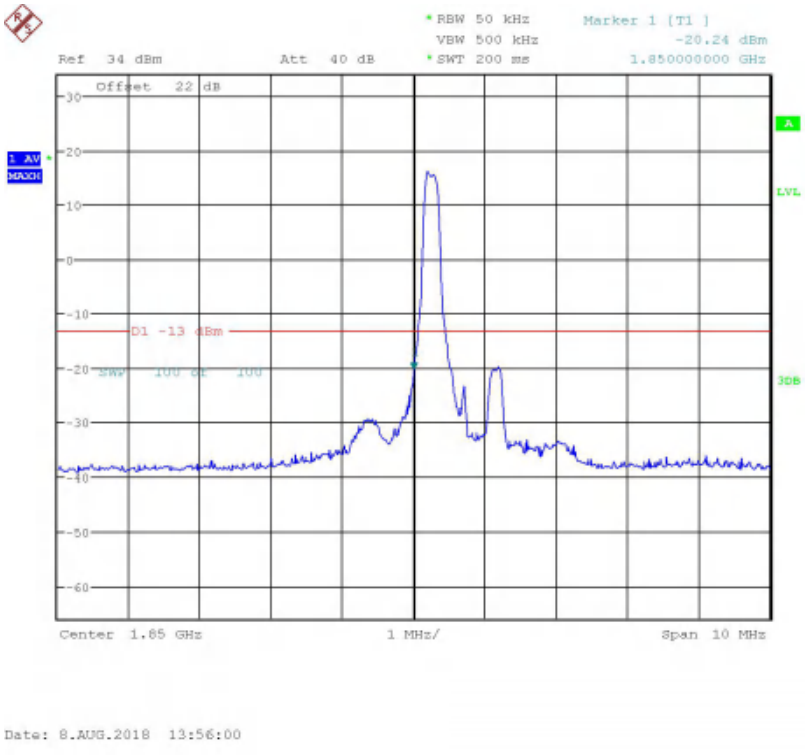
Band2-High Channel-20MHz Bandwidth-6RB-16QAM



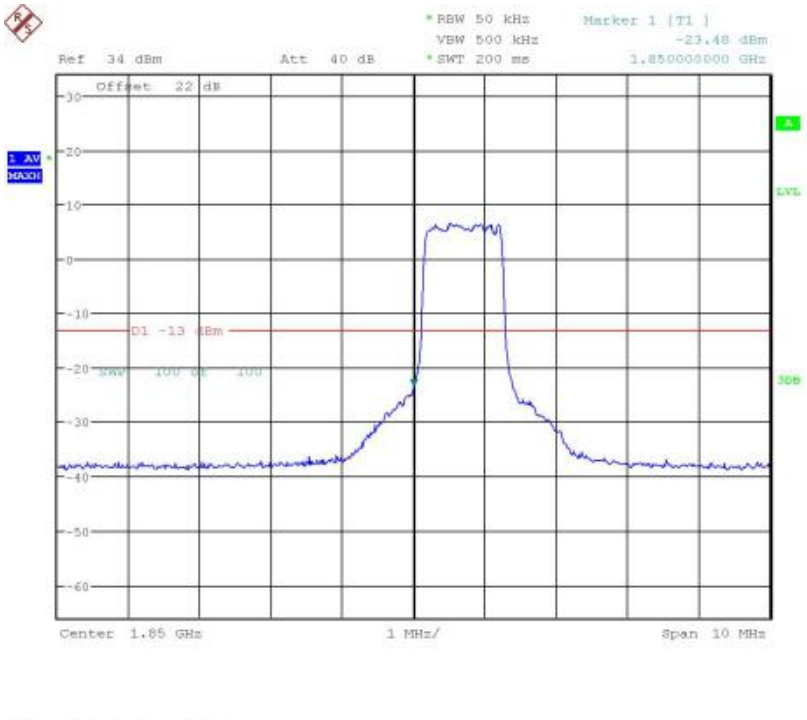
Band2-High Channel-20MHz Bandwidth-6RB-QPSK



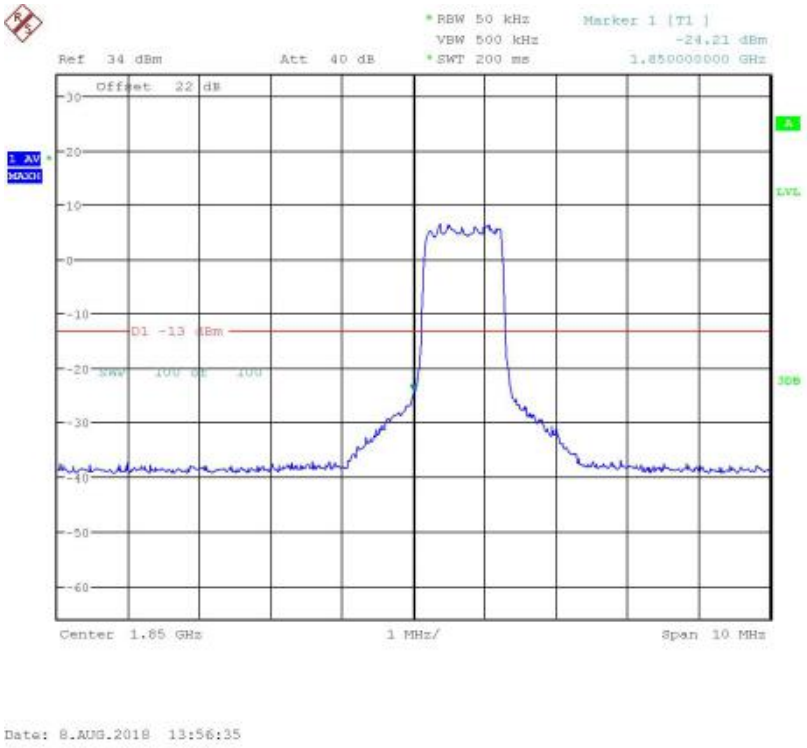
Band2-Low Channel-1.4MHz Bandwidth-1RB-16QAM



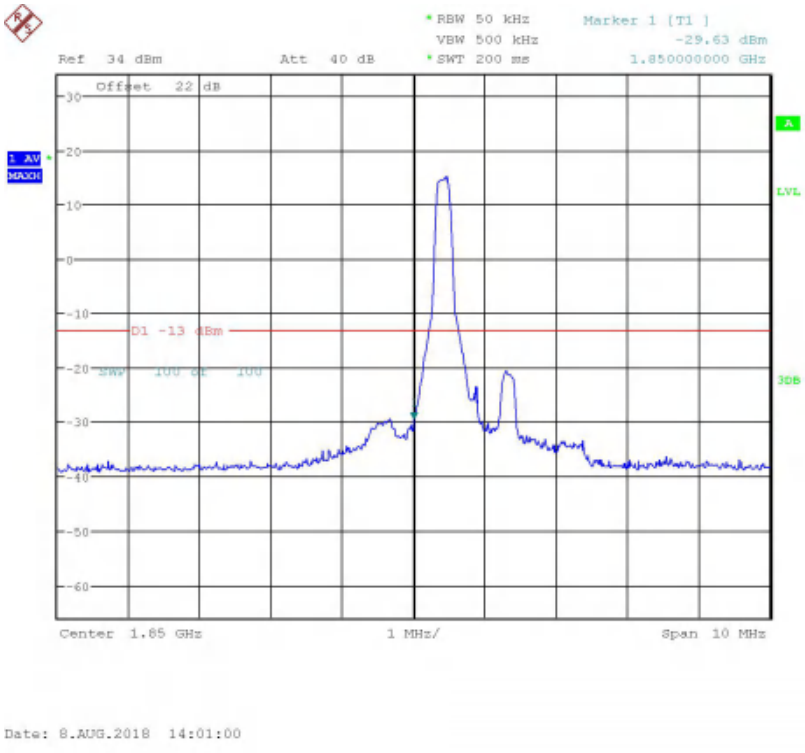
Band2-Low Channel-1.4MHz Bandwidth-1RB-QPSK



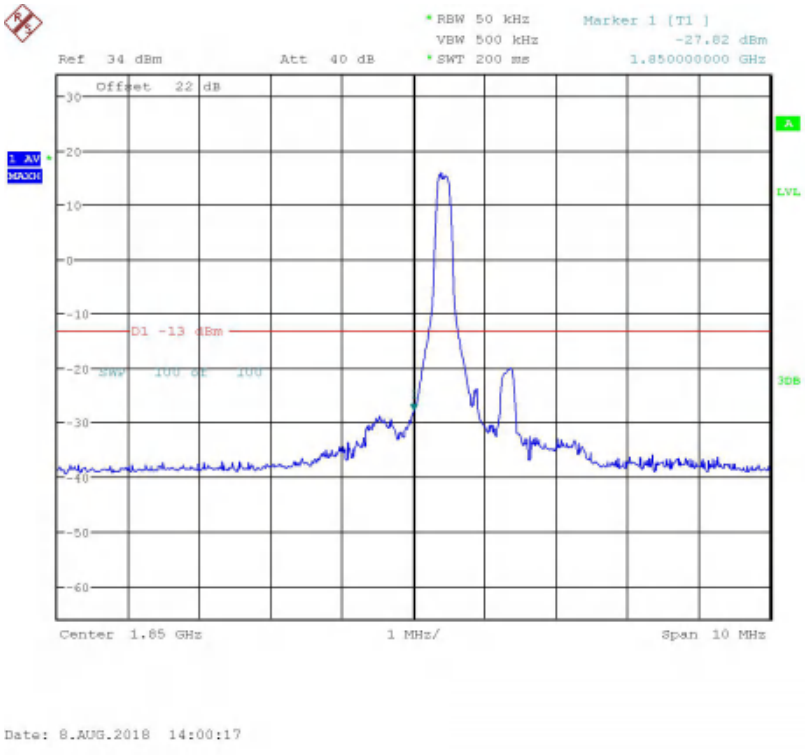
Band2-Low Channel-1.4MHz Bandwidth-6RB-16QAM



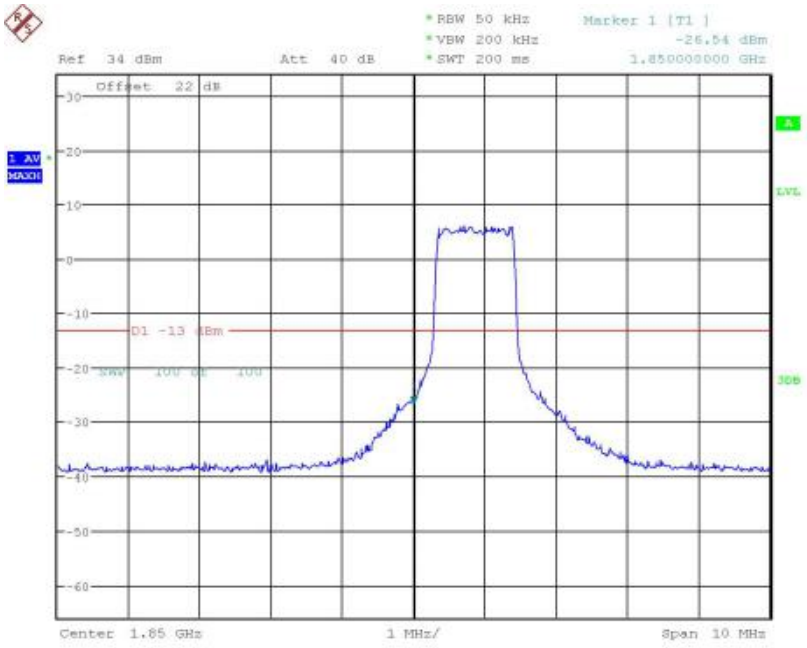
Band2-Low Channel-1.4MHz Bandwidth-6RB-QPSK



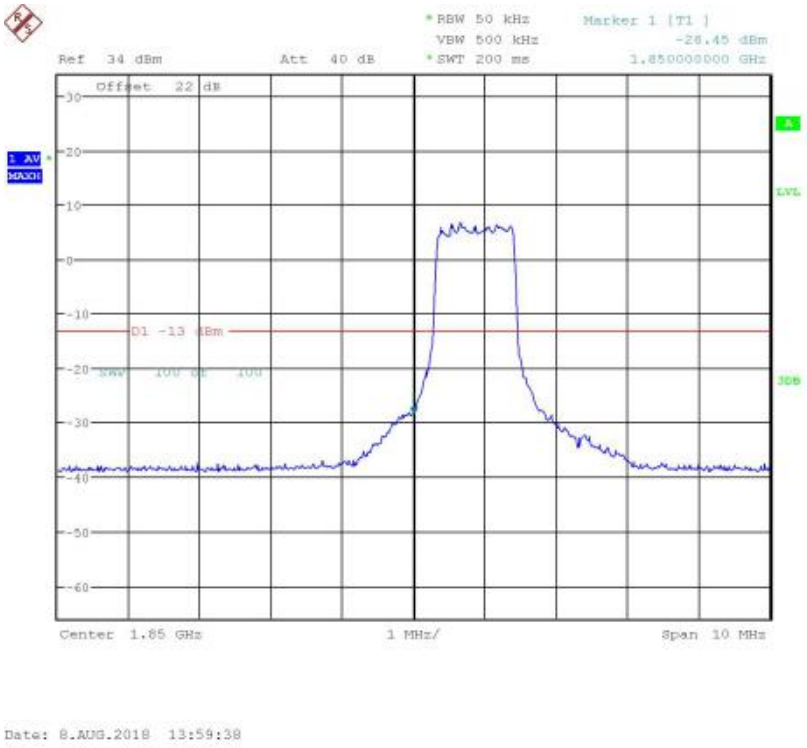
Band2-Low Channel-3MHz Bandwidth-1RB-16QAM



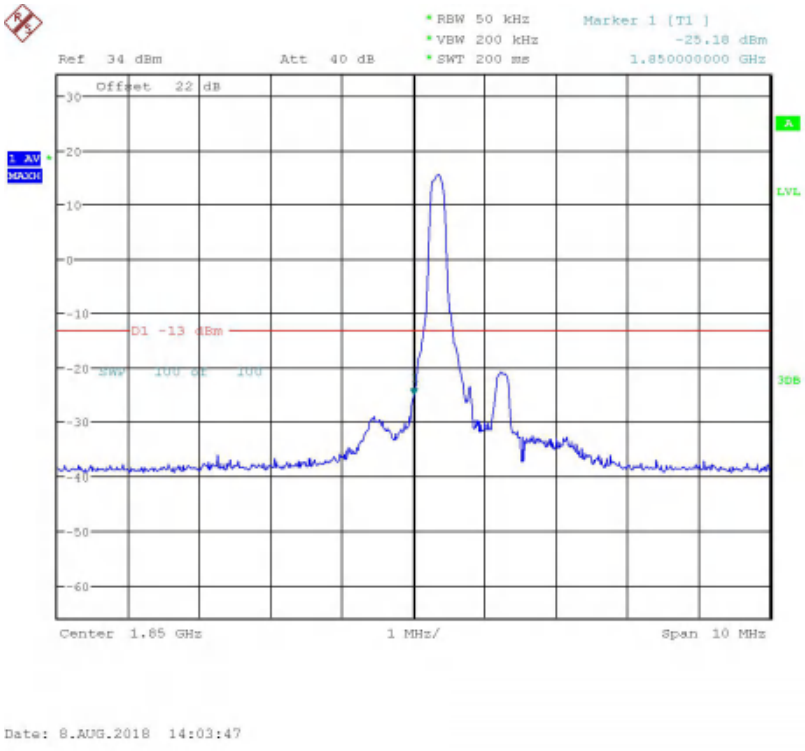
Band2-Low Channel-3MHz Bandwidth-1RB-QPSK



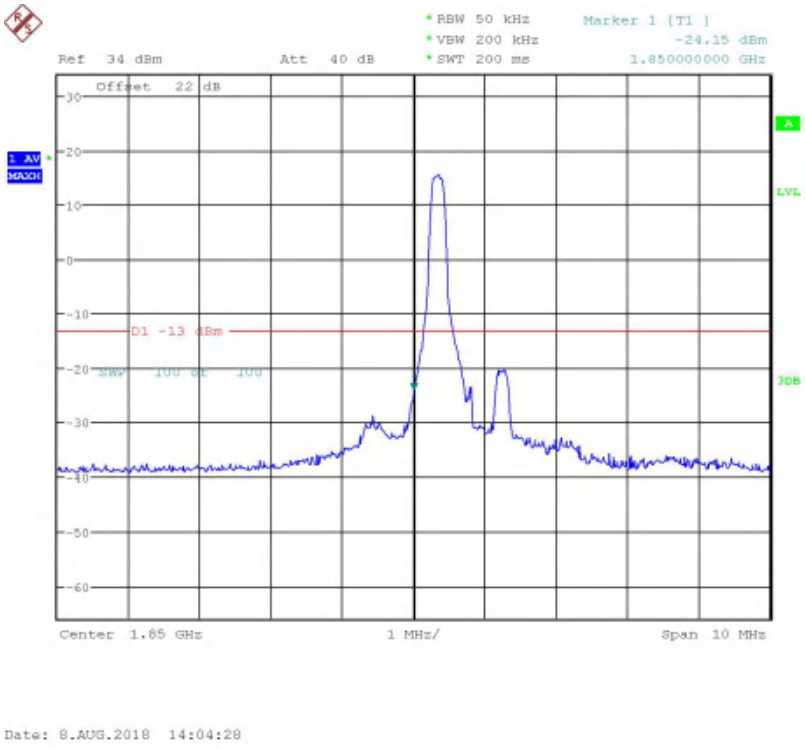
Band2-Low Channel-3MHz Bandwidth-6RB-16QAM



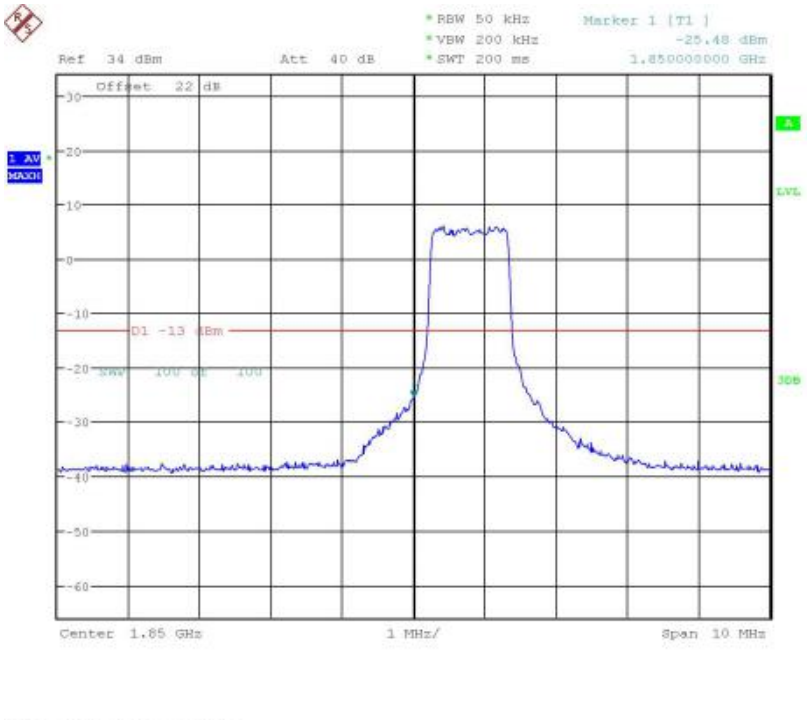
Band2-Low Channel-3MHz Bandwidth-6RB-QPSK



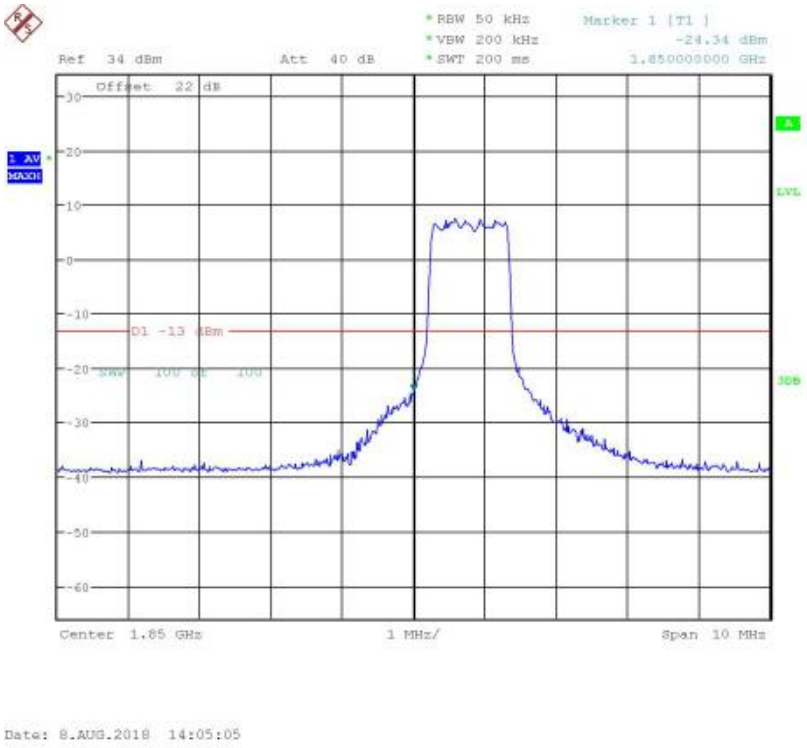
Band2-Low Channel-5MHz Bandwidth-1RB-16QAM



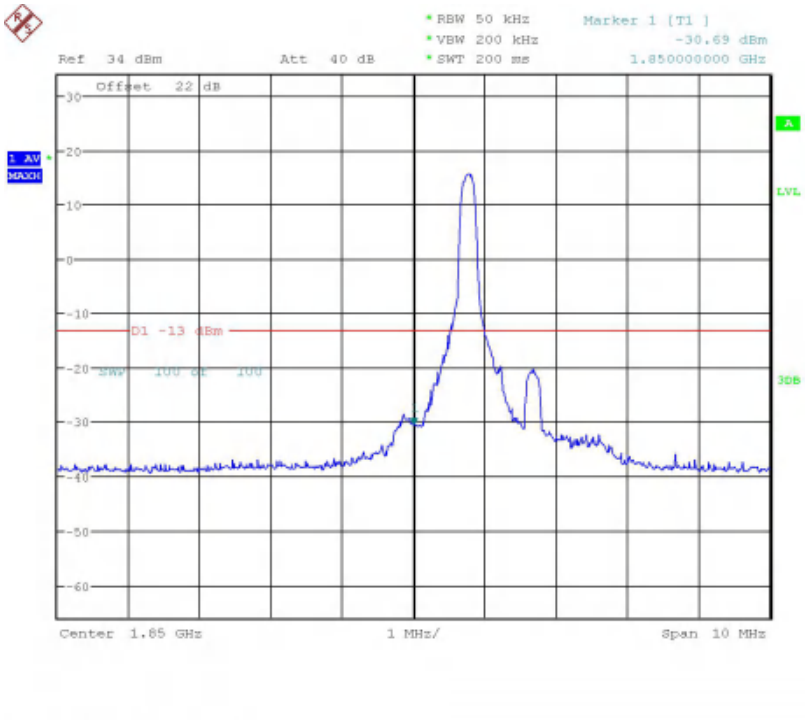
Band2-Low Channel-5MHz Bandwidth-1RB-QPSK



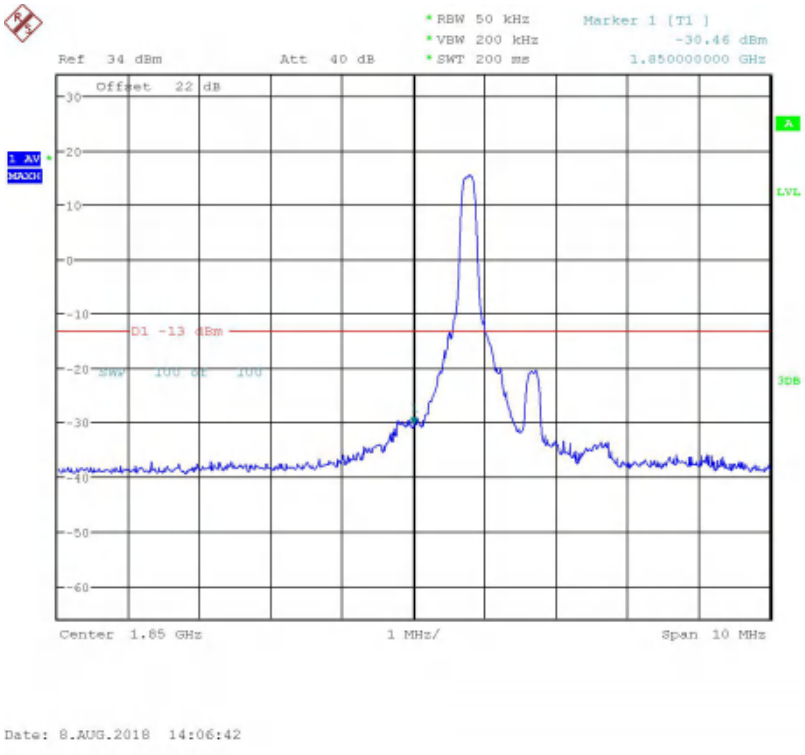
Band2-Low Channel-5MHz Bandwidth-6RB-16QAM



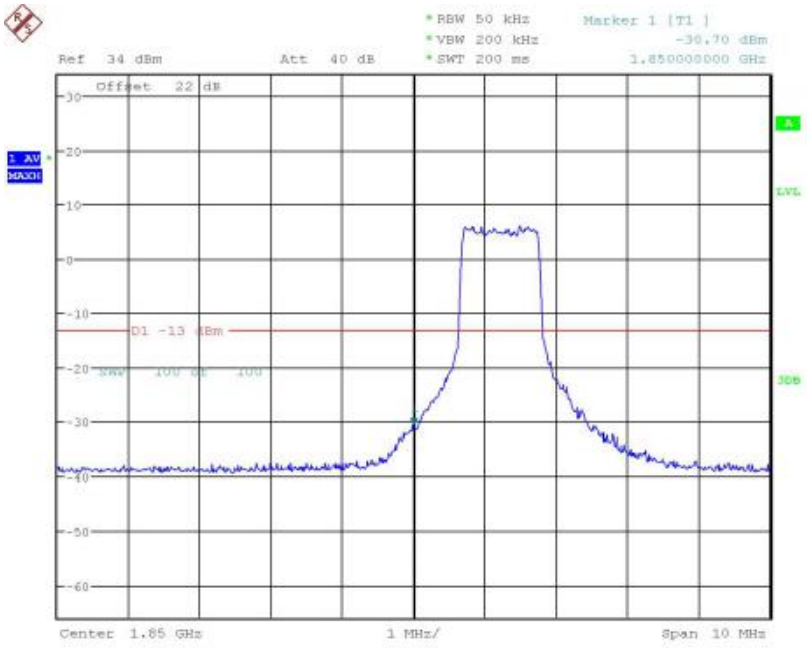
Band2-Low Channel-5MHz Bandwidth-6RB-QPSK



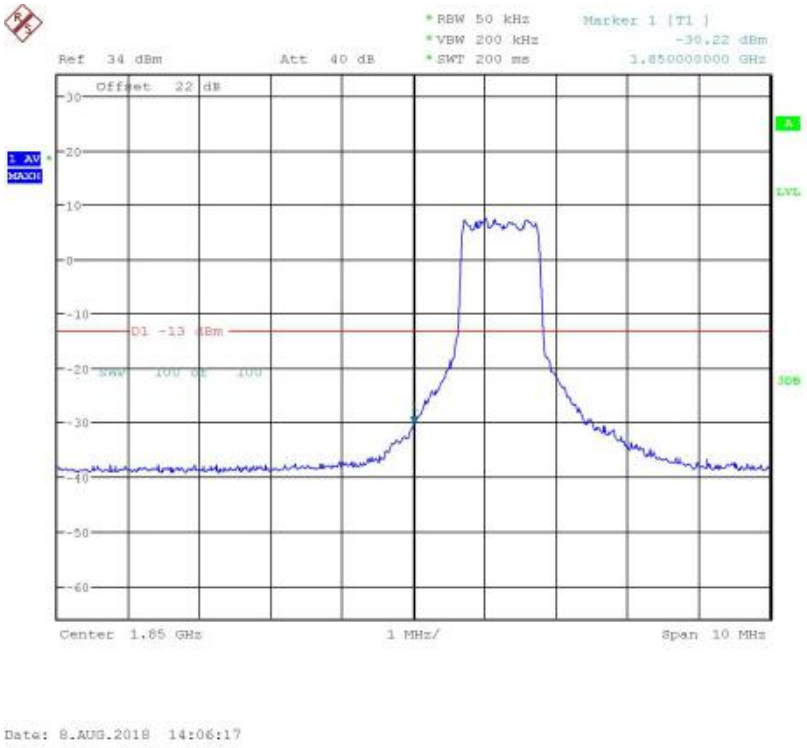
Band2-Low Channel-10MHz Bandwidth-1RB-16QAM



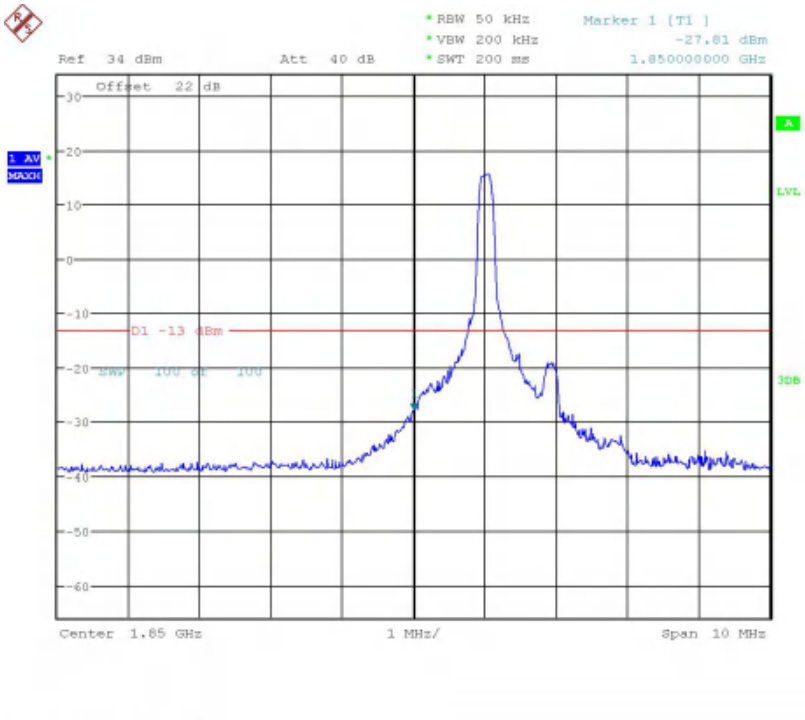
Band2-Low Channel-10MHz Bandwidth-1RB-QPSK



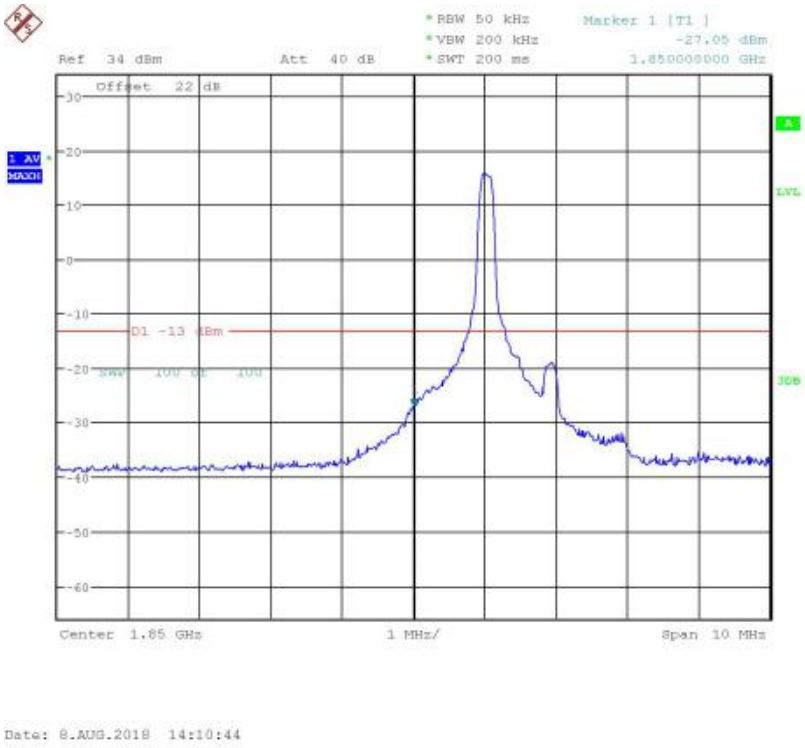
Band2-Low Channel-10MHz Bandwidth-6RB-16QAM



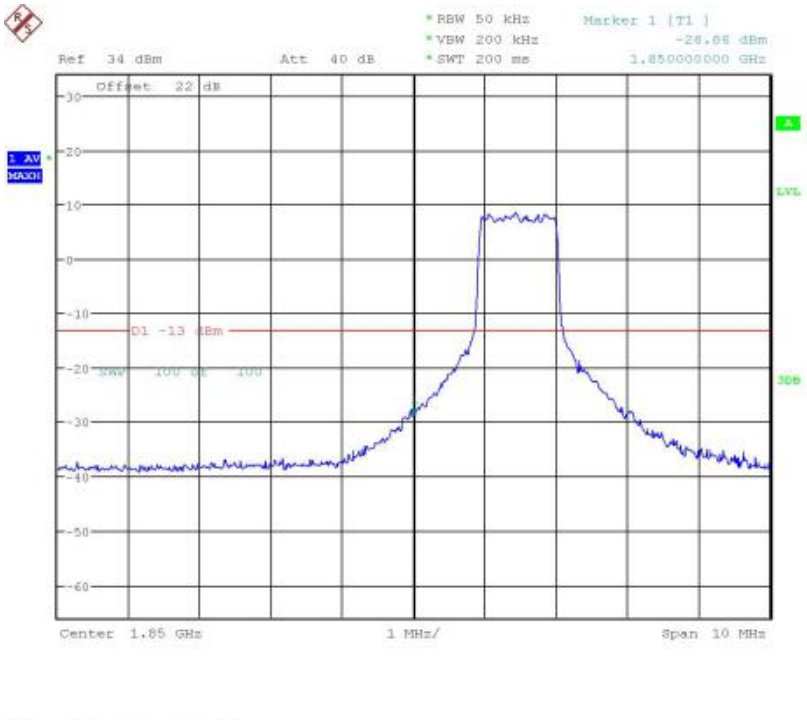
Band2-Low Channel-10MHz Bandwidth-6RB-QPSK



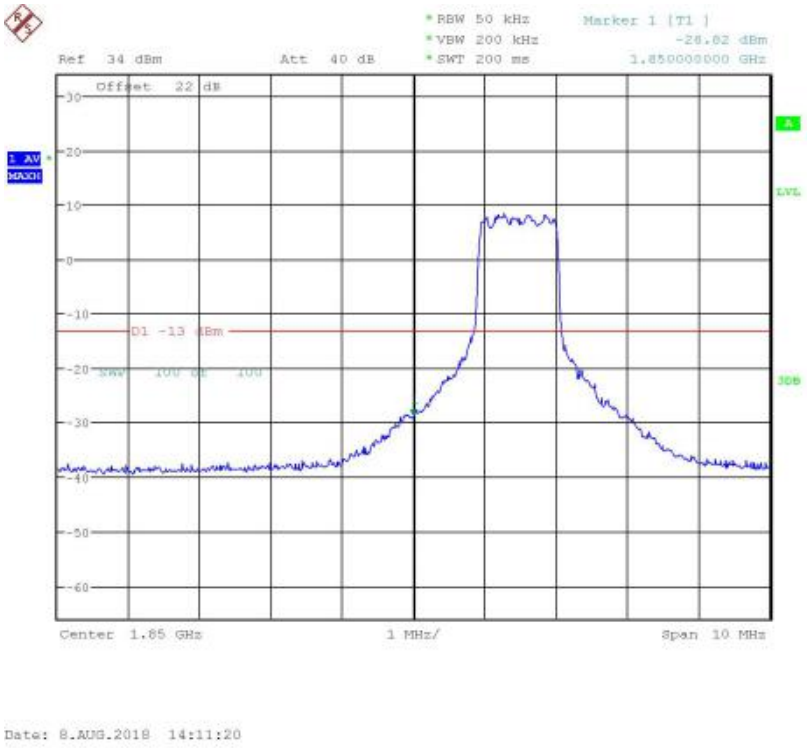
Band2-Low Channel-15MHz Bandwidth-1RB-16QAM



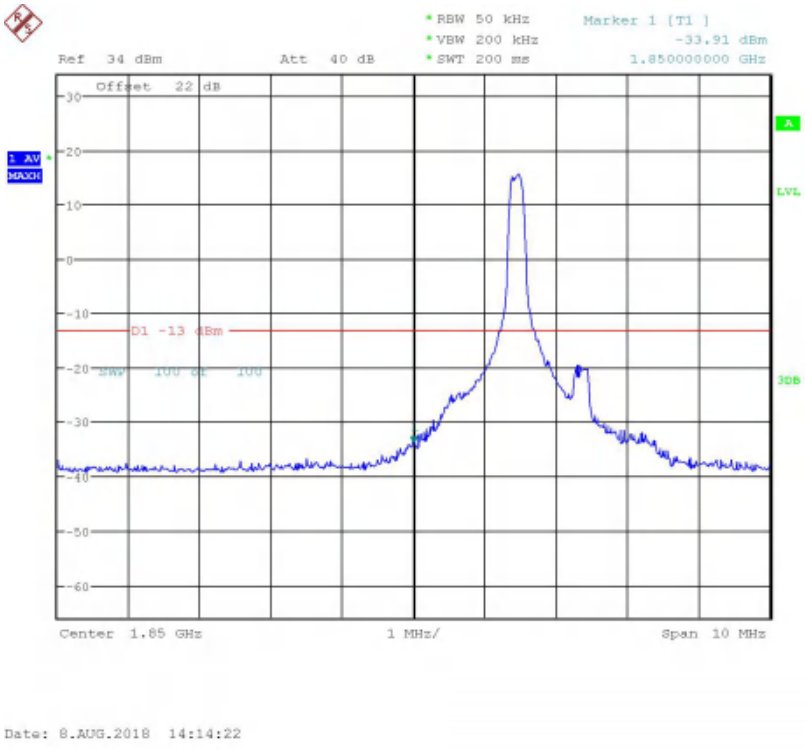
Band2-Low Channel-15MHz Bandwidth-1RB-QPSK



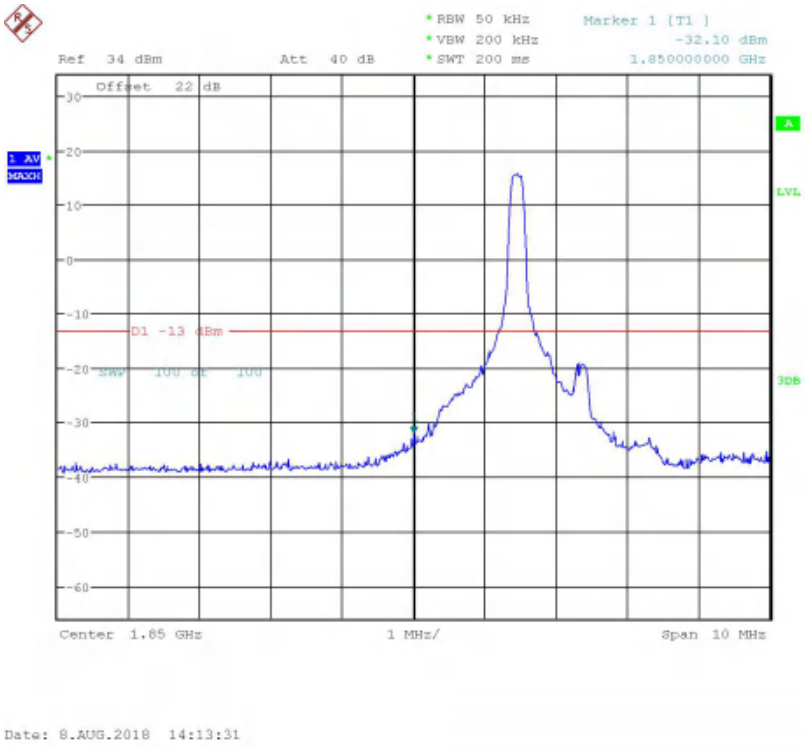
Band2-Low Channel-15MHz Bandwidth-6RB-16QAM



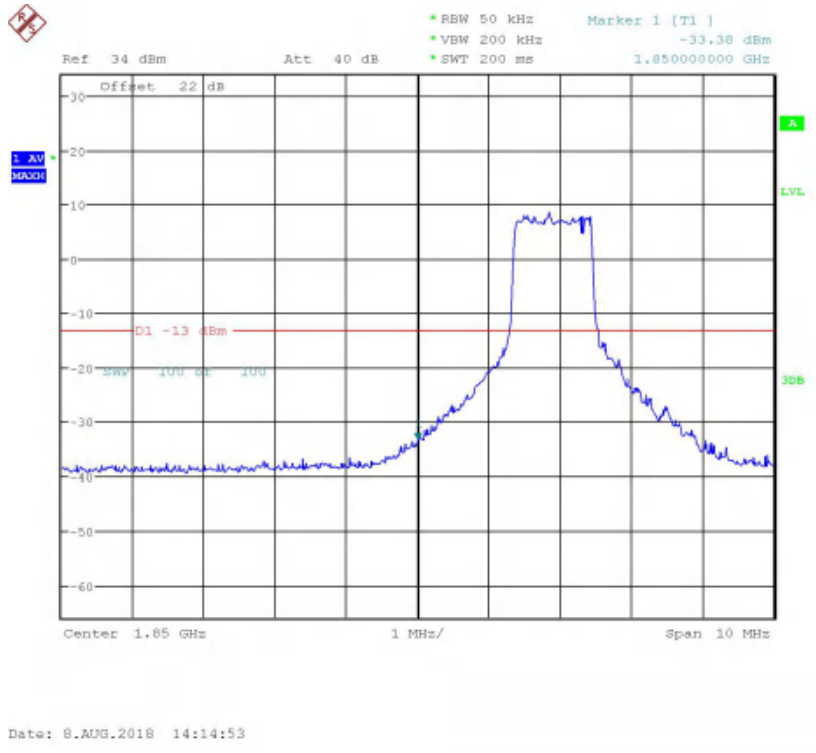
Band2-Low Channel-15MHz Bandwidth-6RB-QPSK



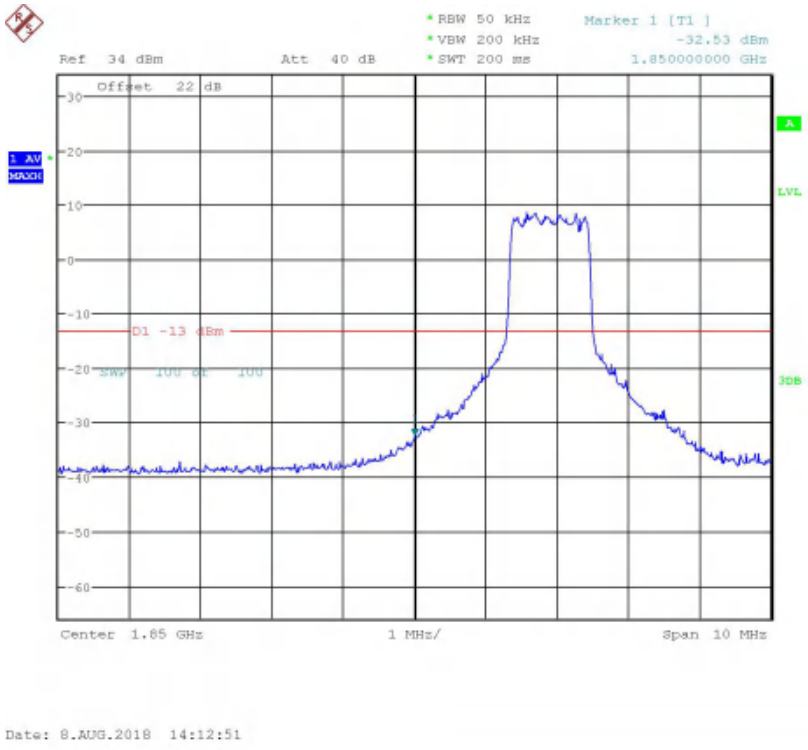
Band2-Low Channel-20MHz Bandwidth-1RB-16QAM



Band2-Low Channel-20MHz Bandwidth-1RB-QPSK

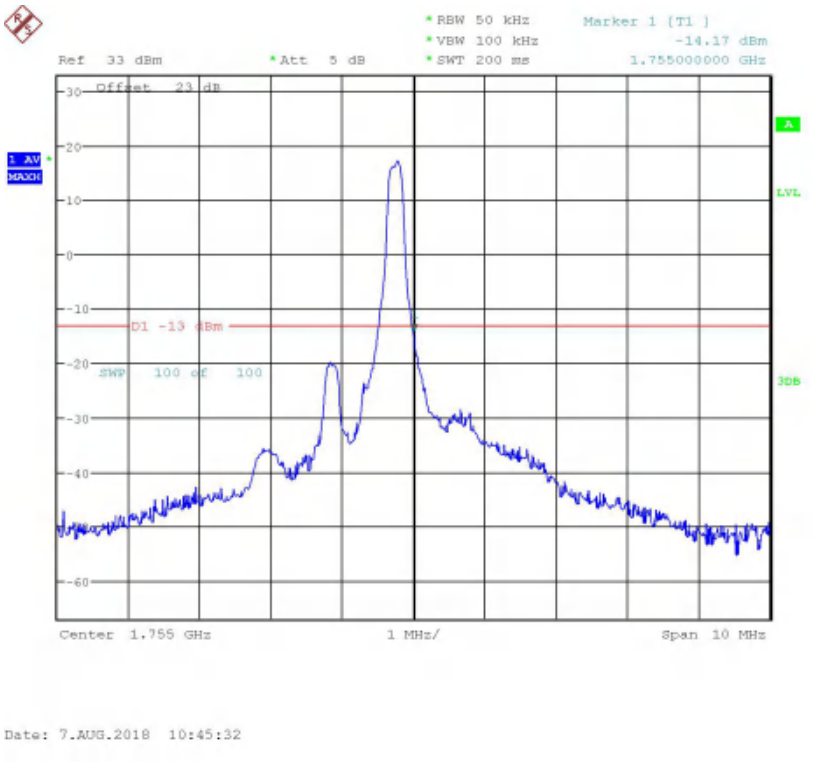


Band2-Low Channel-20MHz Bandwidth-6RB-16QAM

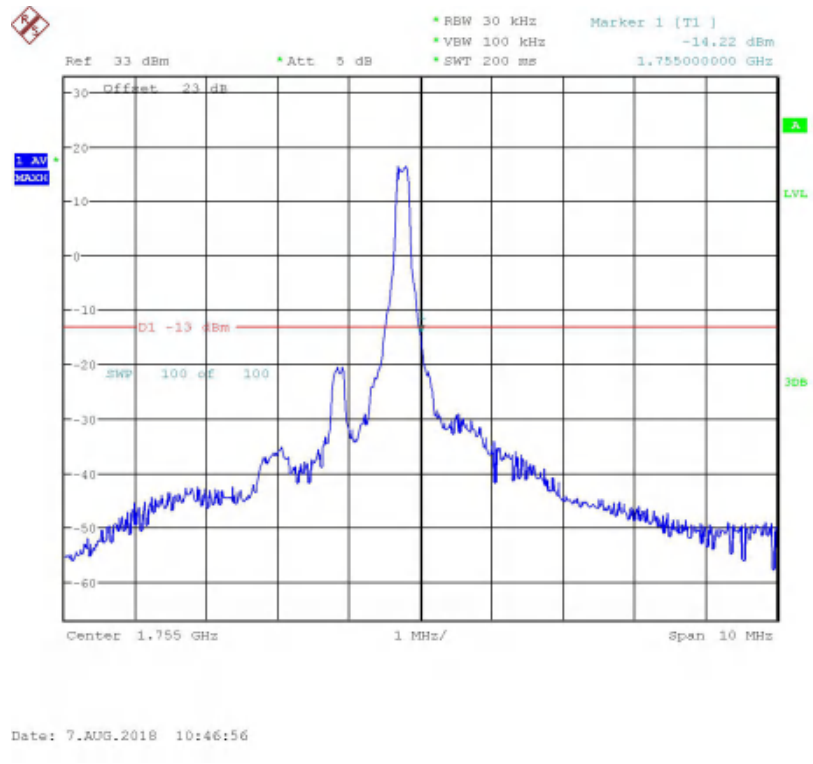


Band2-Low Channel-20MHz Bandwidth-6RB-QPSK

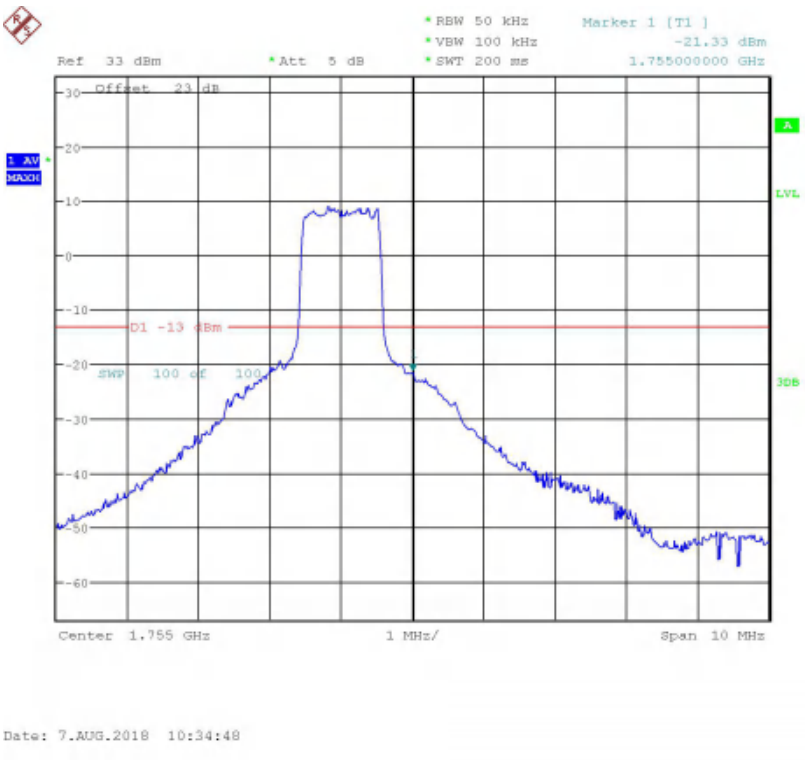
5.5.9 CAT-M Band4 Edge Results



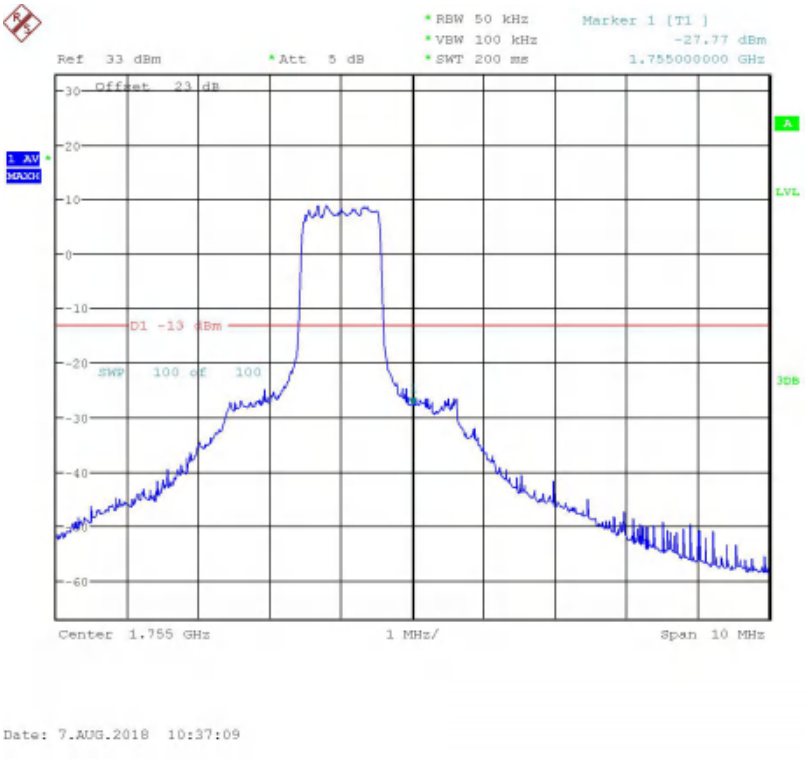
Band4-High Channel-1.4MHz Bandwidth-1RB-16QAM



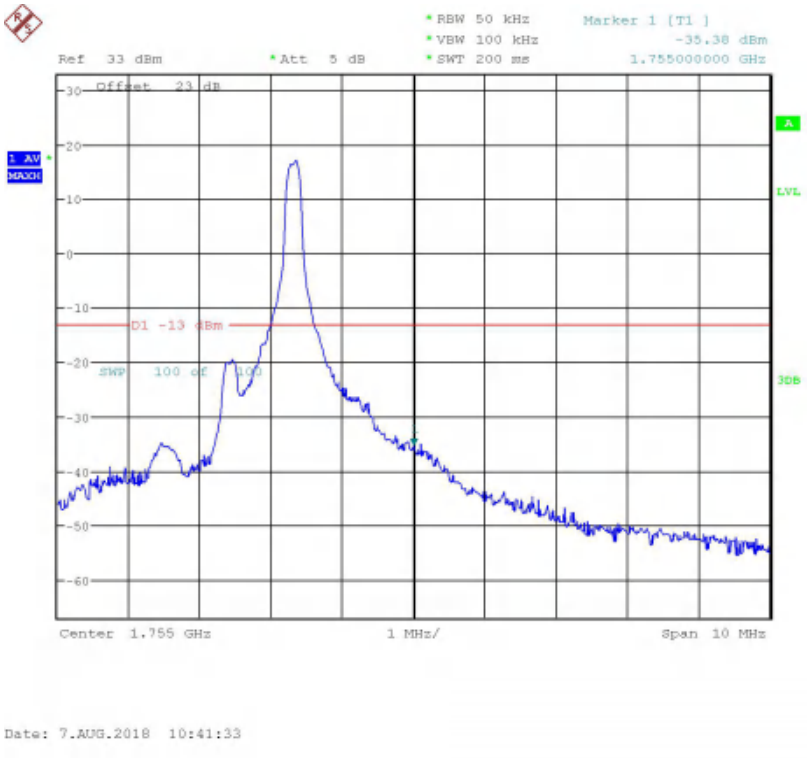
Band4-High Channel-1.4MHz Bandwidth-1RB-QPSK



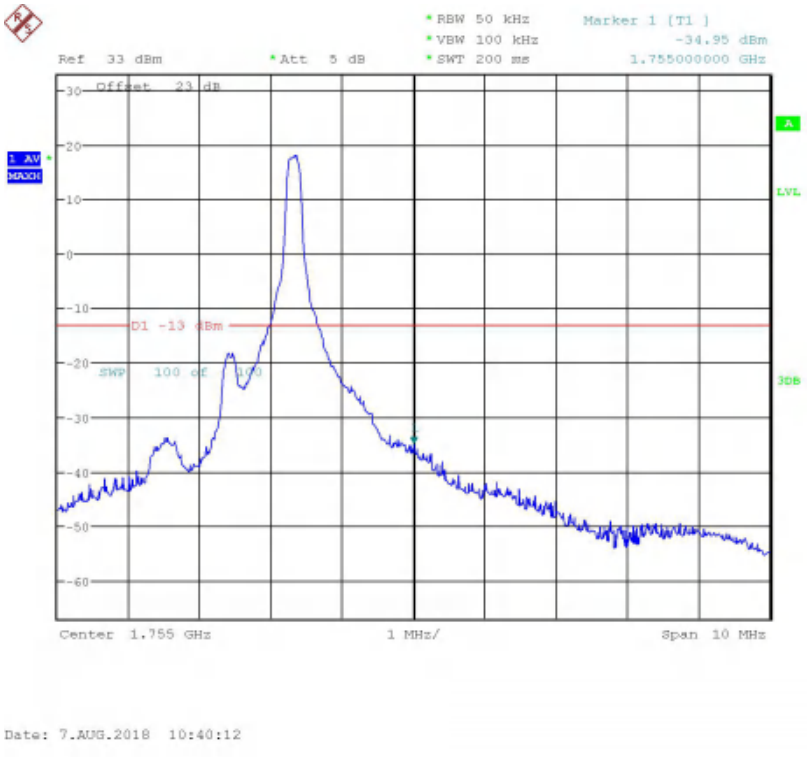
Band4-High Channel-1.4MHz Bandwidth-6RB-16QAM



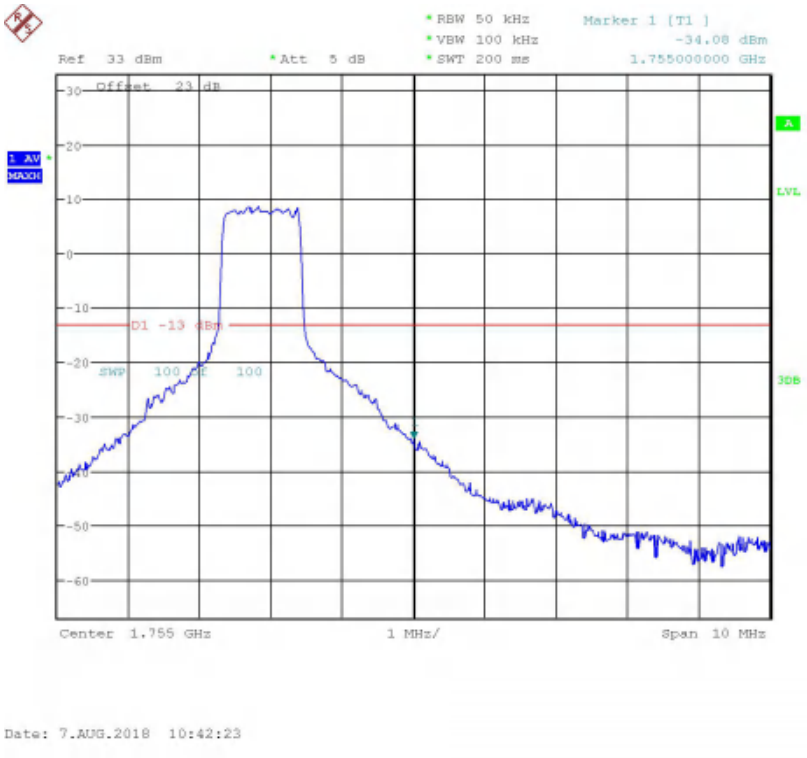
Band4-High Channel-1.4MHz Bandwidth-6RB-QPSK



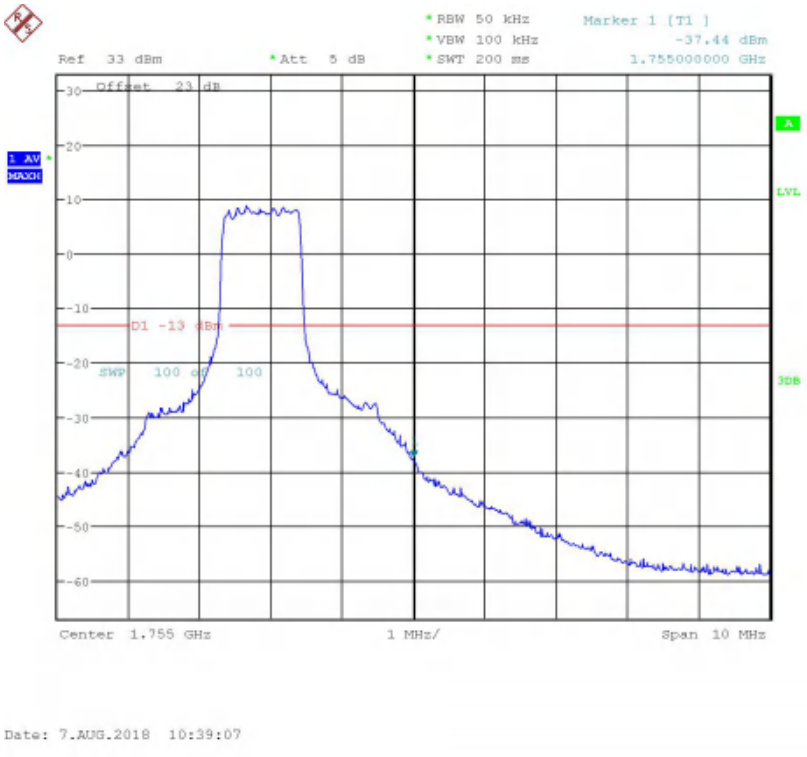
Band4-High Channel-3MHz Bandwidth-1RB-16QAM



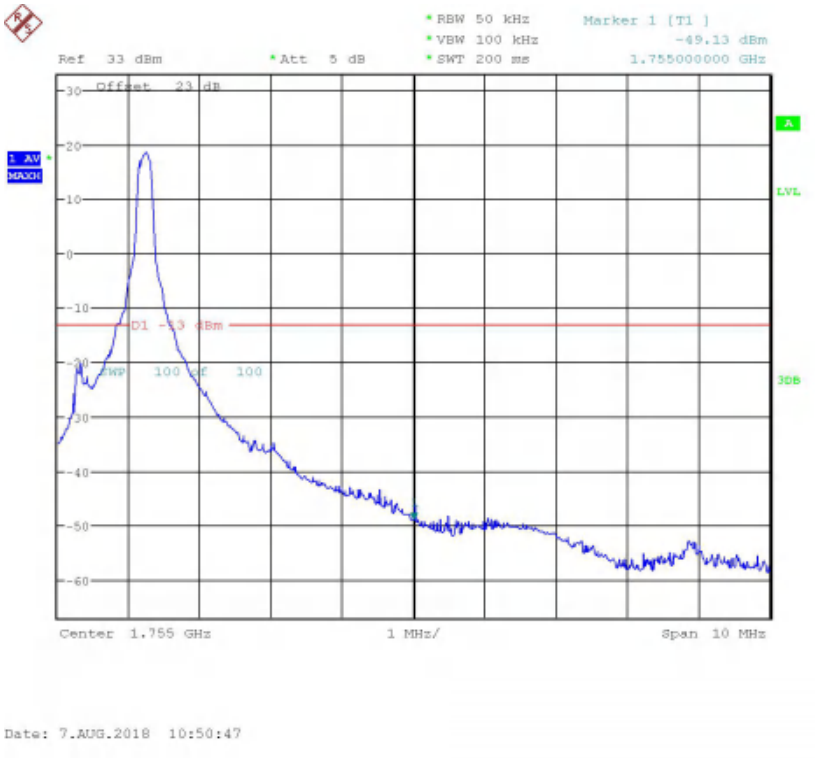
Band4-High Channel-3MHz Bandwidth-1RB-QPSK



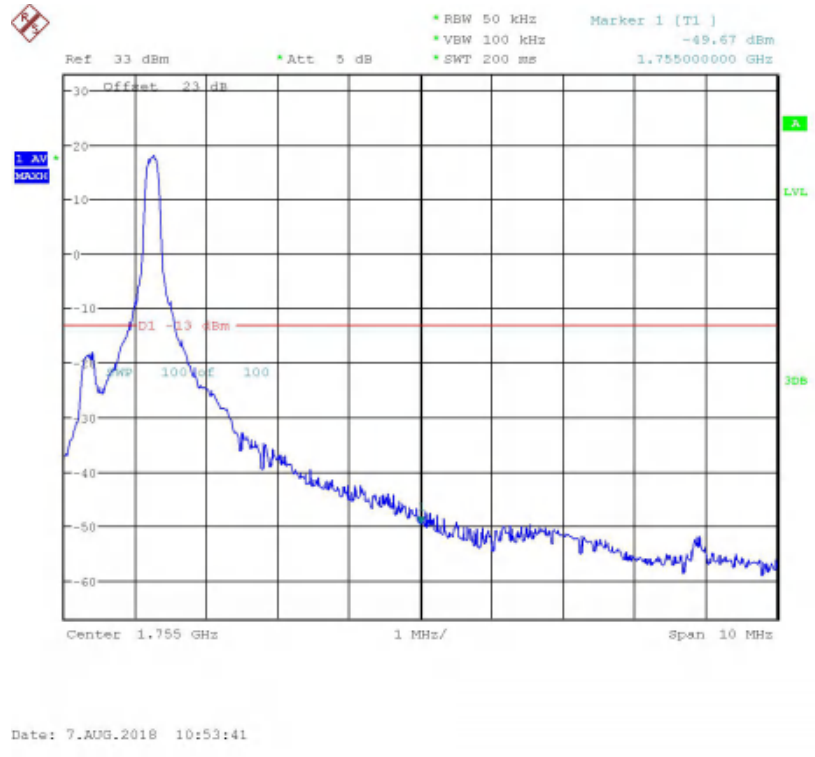
Band4-High Channel-3MHz Bandwidth-6RB-16QAM



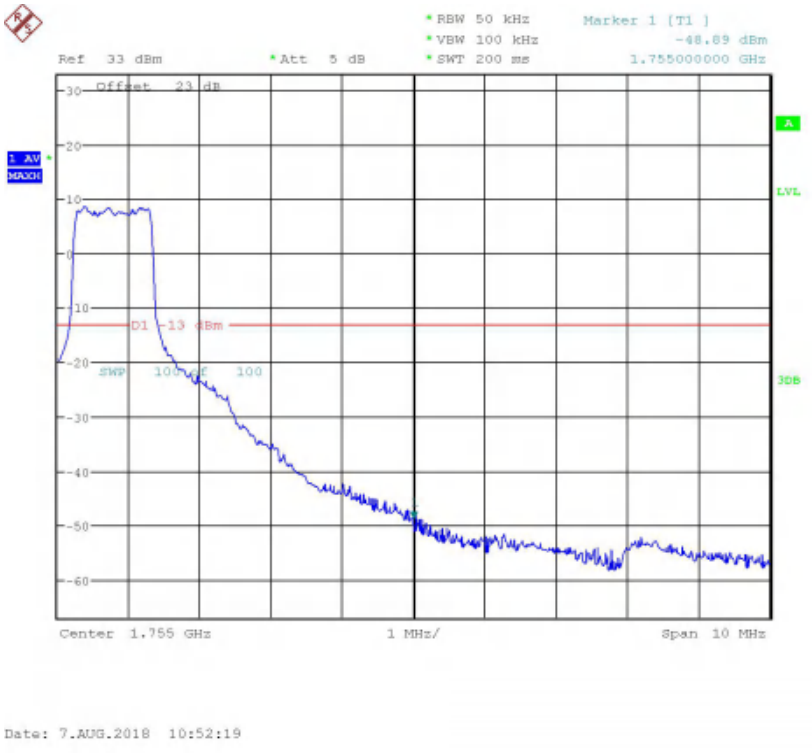
Band4-High Channel-3MHz Bandwidth-6RB-QPSK



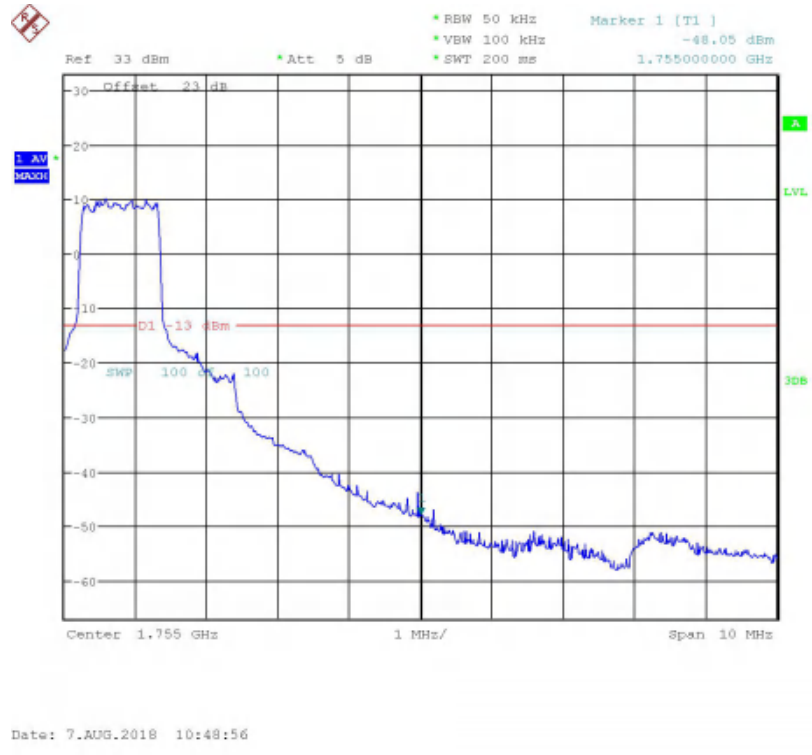
Band4-High Channel-5MHz Bandwidth-1RB-16QAM



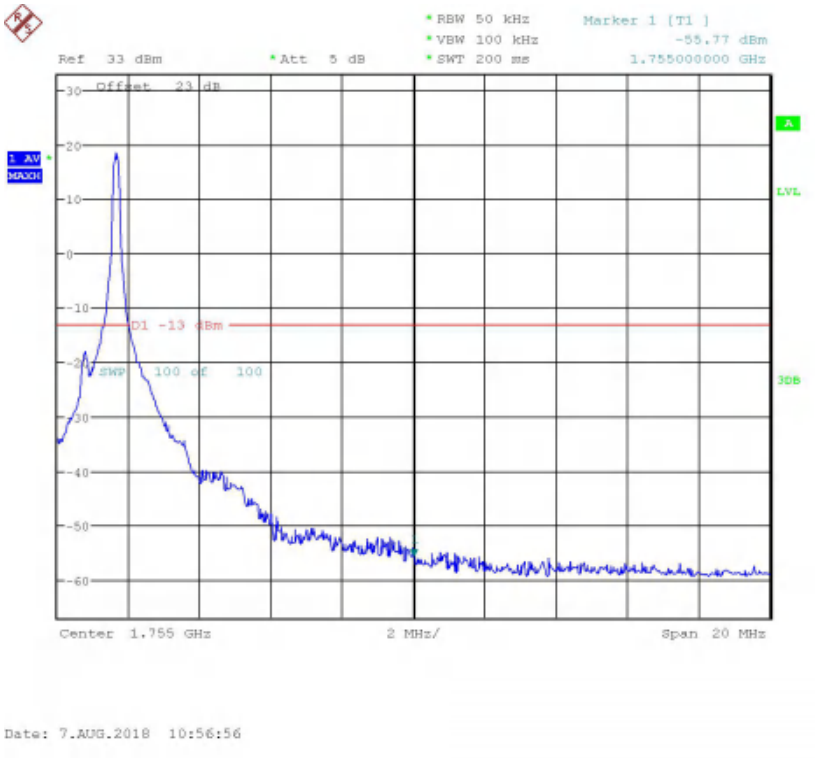
Band4-High Channel-5MHz Bandwidth-1RB-QPSK



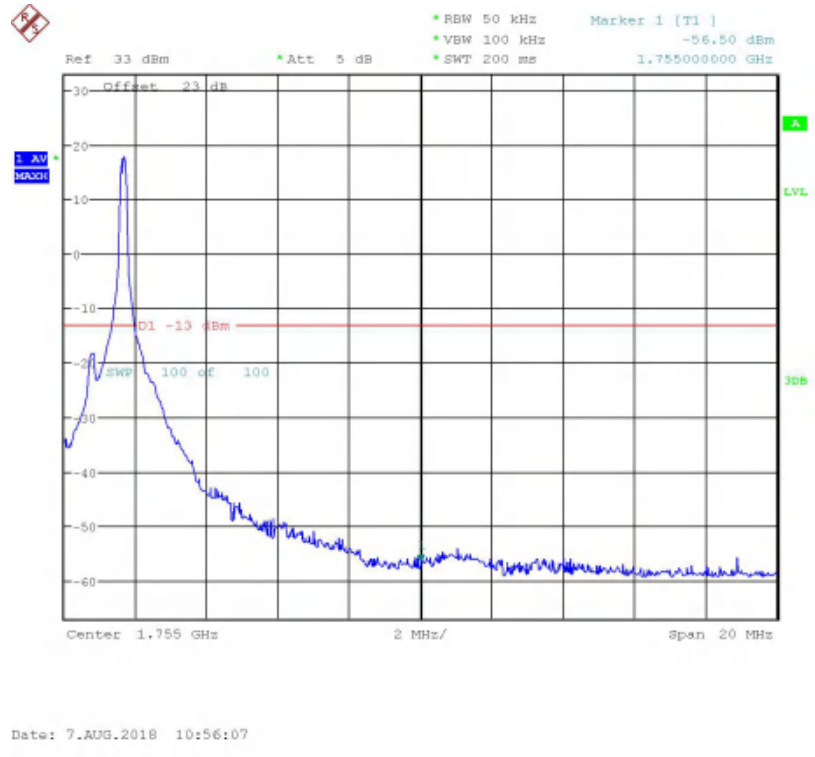
Band4-High Channel-5MHz Bandwidth-6RB-16QAM



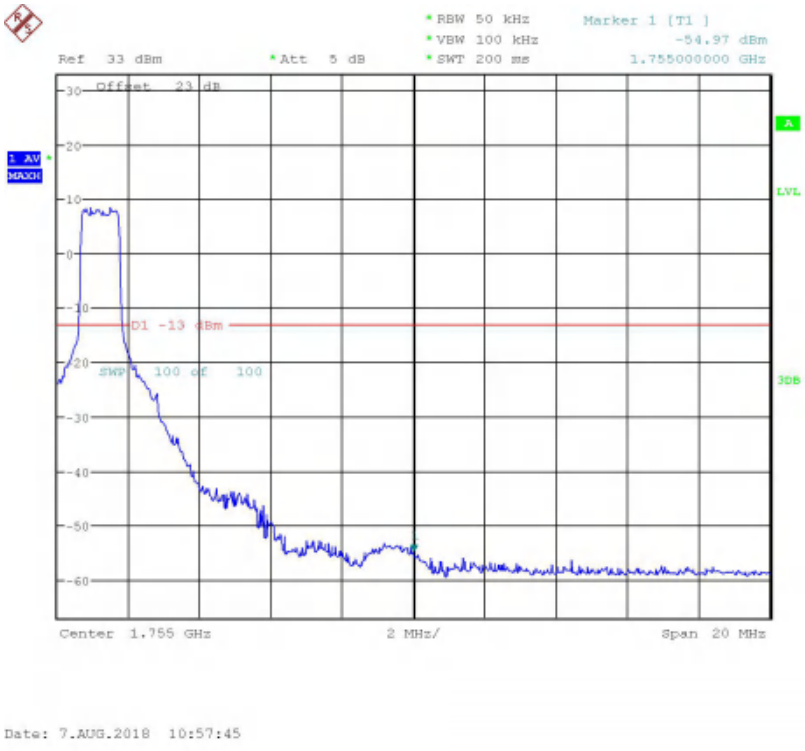
Band4-High Channel-5MHz Bandwidth-6RB-QPSK



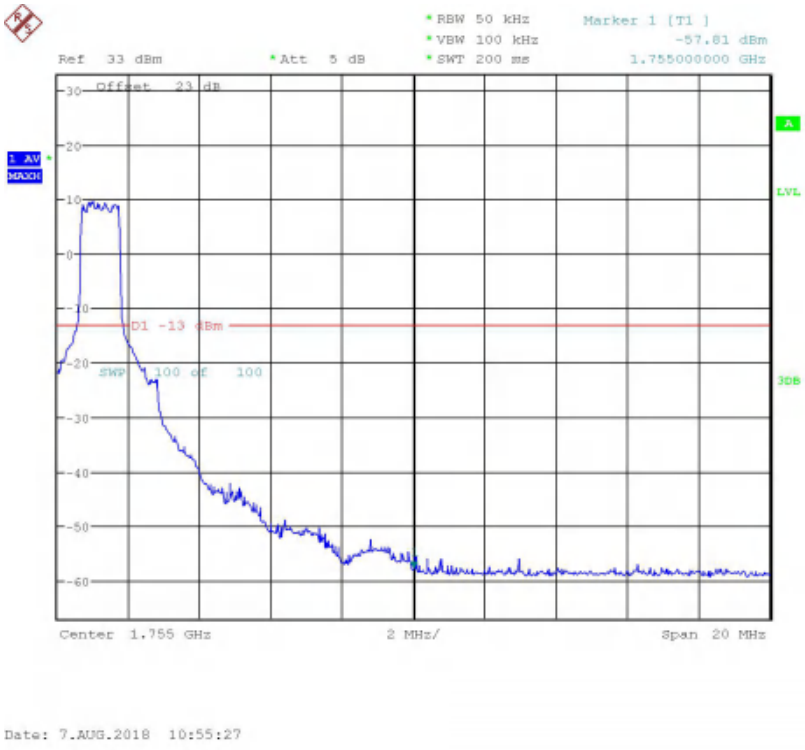
Band4-High Channel-10MHz Bandwidth-1RB-16QAM



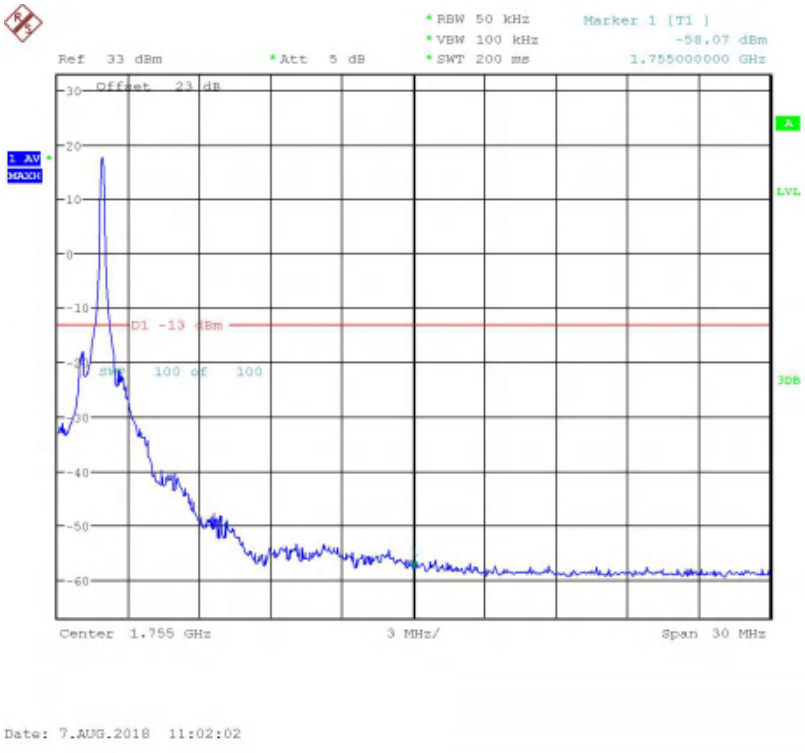
Band4-High Channel-10MHz Bandwidth-1RB-QPSK



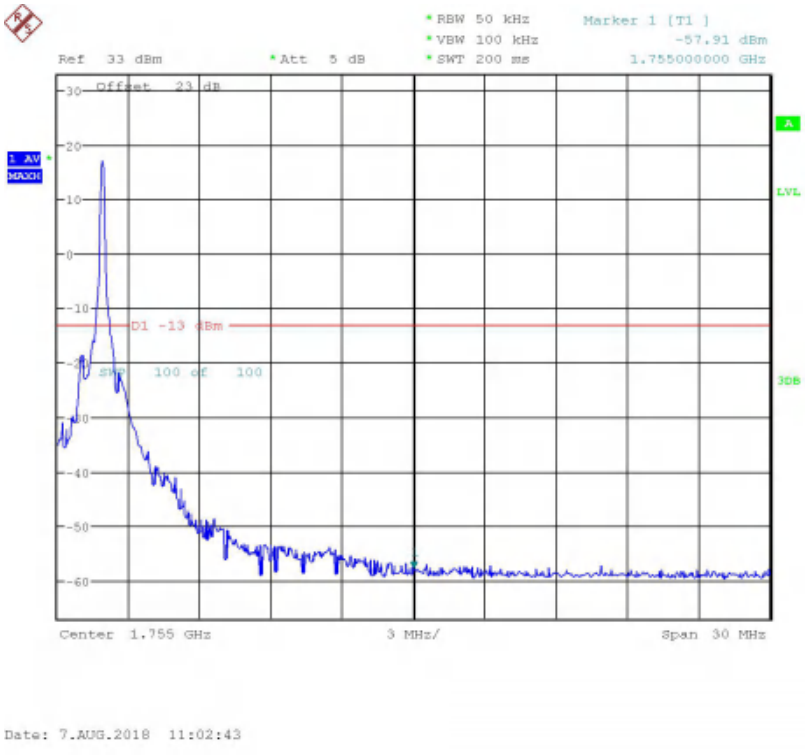
Band4-High Channel-10MHz Bandwidth-6RB-16QAM



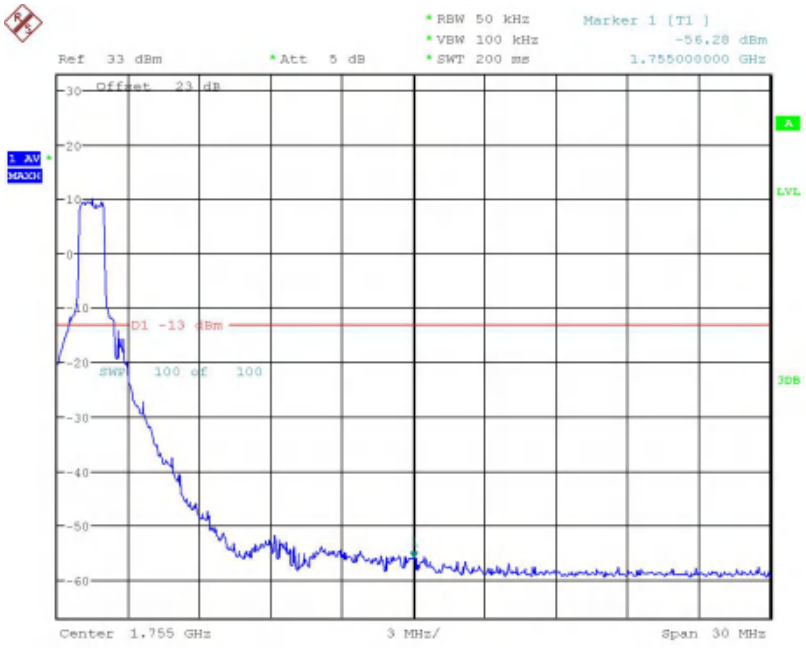
Band4-High Channel-10MHz Bandwidth-6RB-QPSK



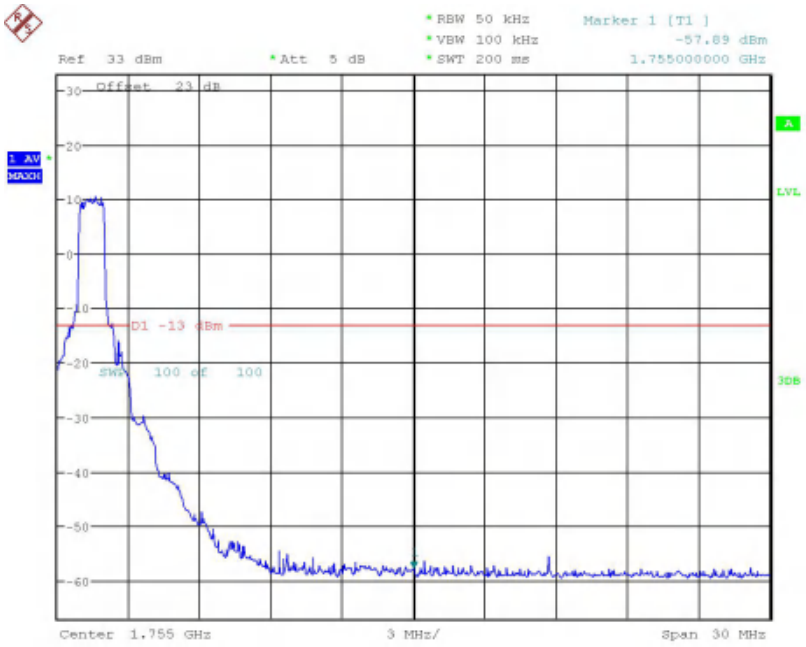
Band4-High Channel-15MHz Bandwidth-1RB-16QAM



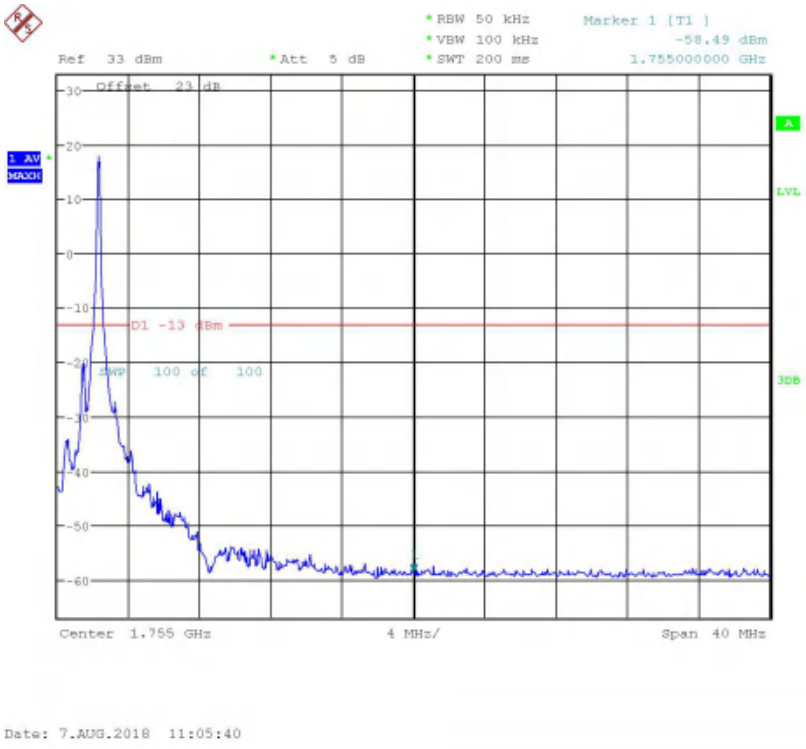
Band4-High Channel-15MHz Bandwidth-1RB-QPSK



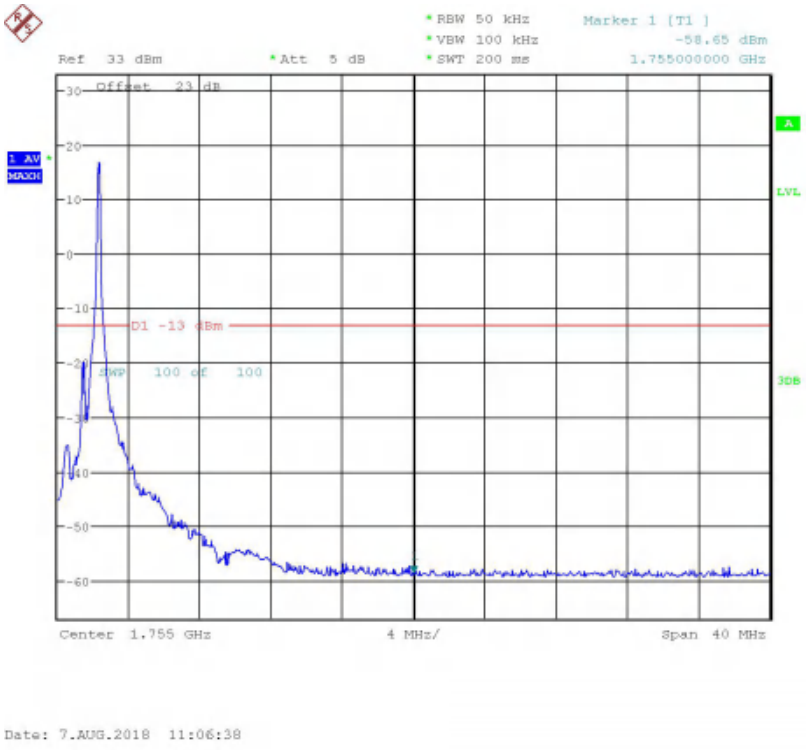
Band4-High Channel-15MHz Bandwidth-6RB-16QAM



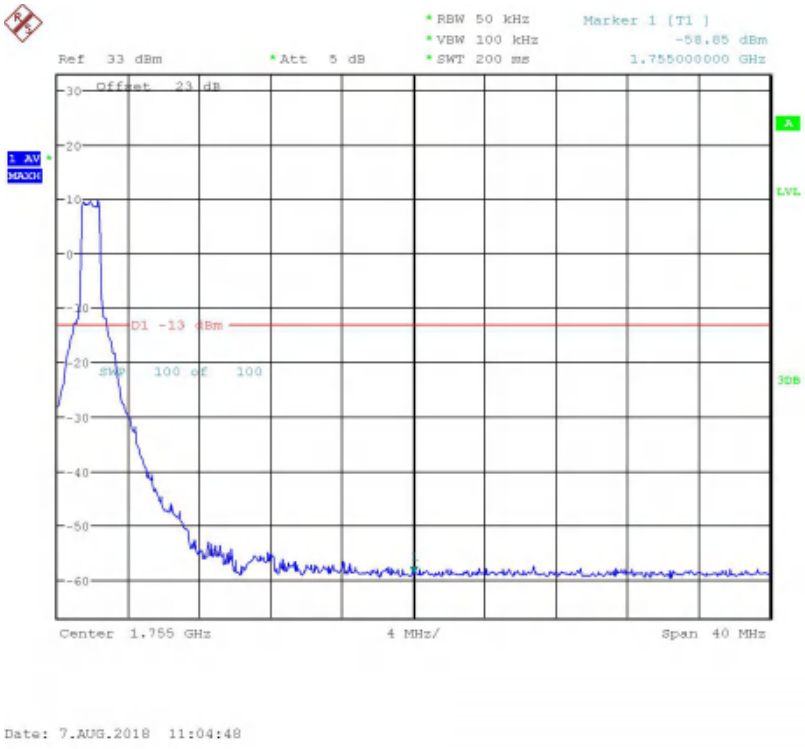
Band4-High Channel-15MHz Bandwidth-6RB-QPSK



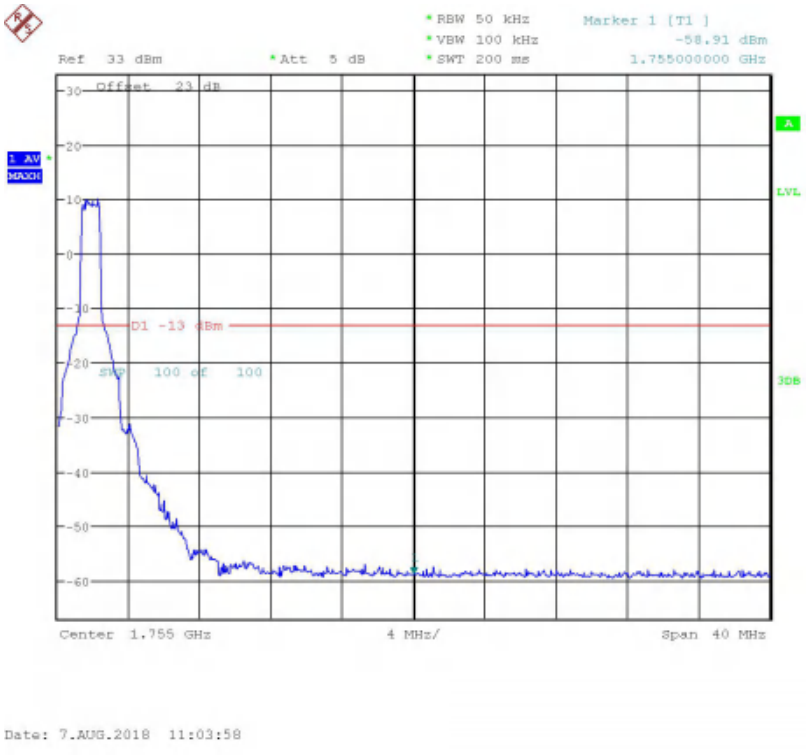
Band4-High Channel-20MHz Bandwidth-1RB-16QAM



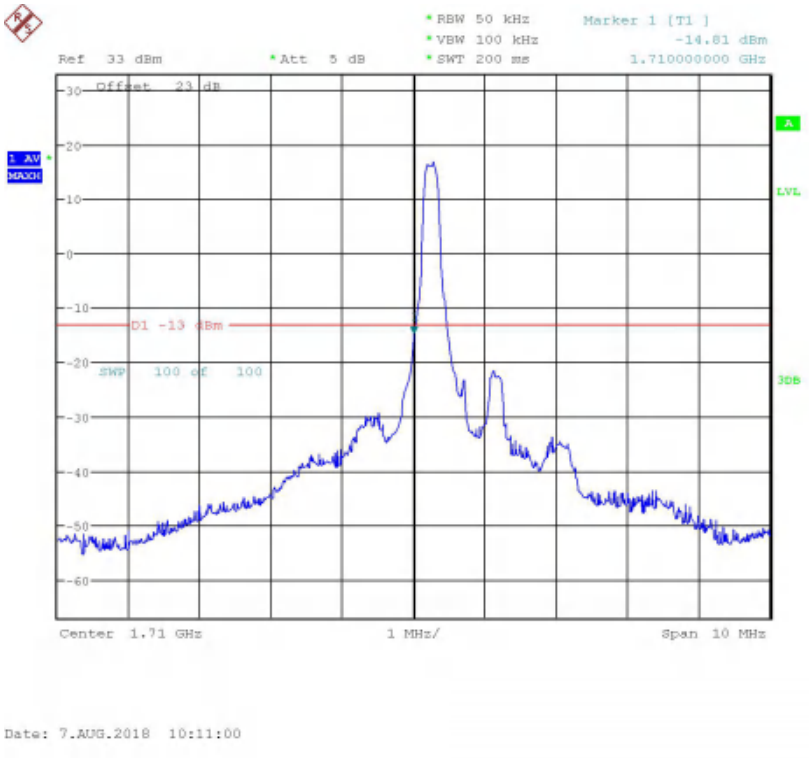
Band4-High Channel-20MHz Bandwidth-1RB-QPSK



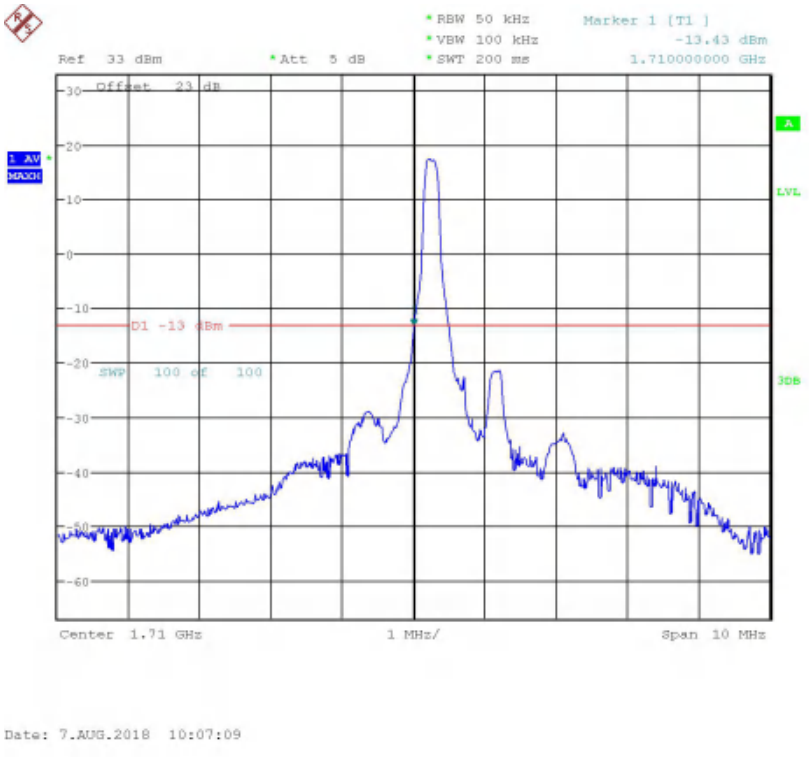
Band4-High Channel-20MHz Bandwidth-6RB-16QAM



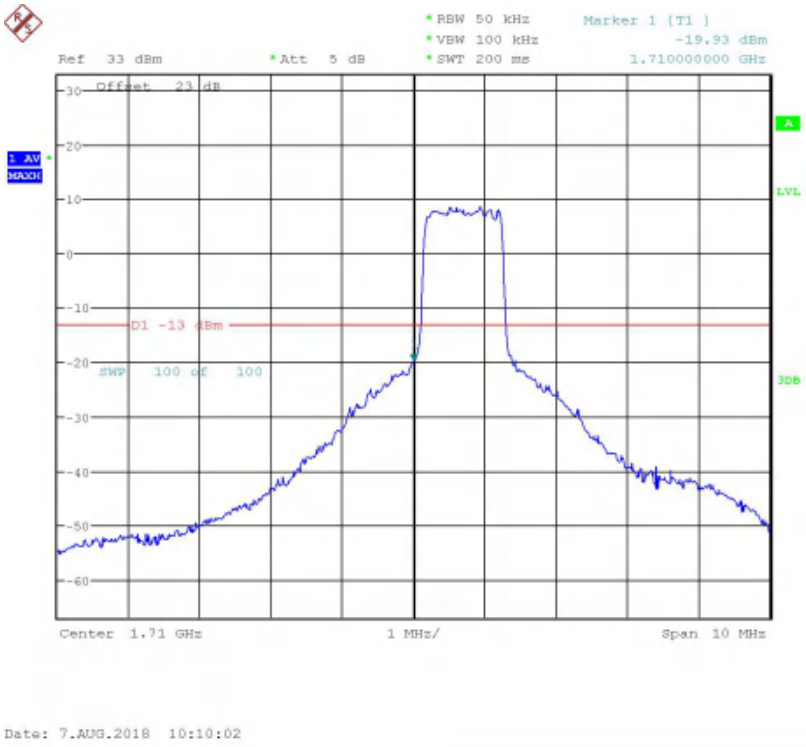
Band4-High Channel-20MHz Bandwidth-6RB-QPSK



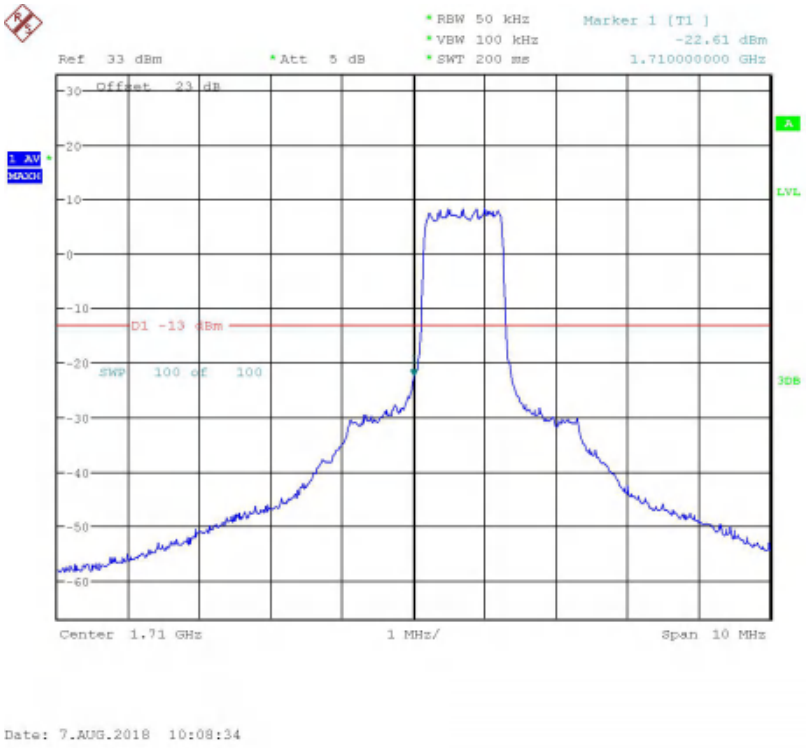
Band4-Low Channel-1.4MHz Bandwidth-1RB-16QAM



Band4-Low Channel-1.4MHz Bandwidth-1RB-QPSK



Band4-Low Channel-1.4MHz Bandwidth-6RB-16QAM



Band4-Low Channel-1.4MHz Bandwidth-6RB-QPSK