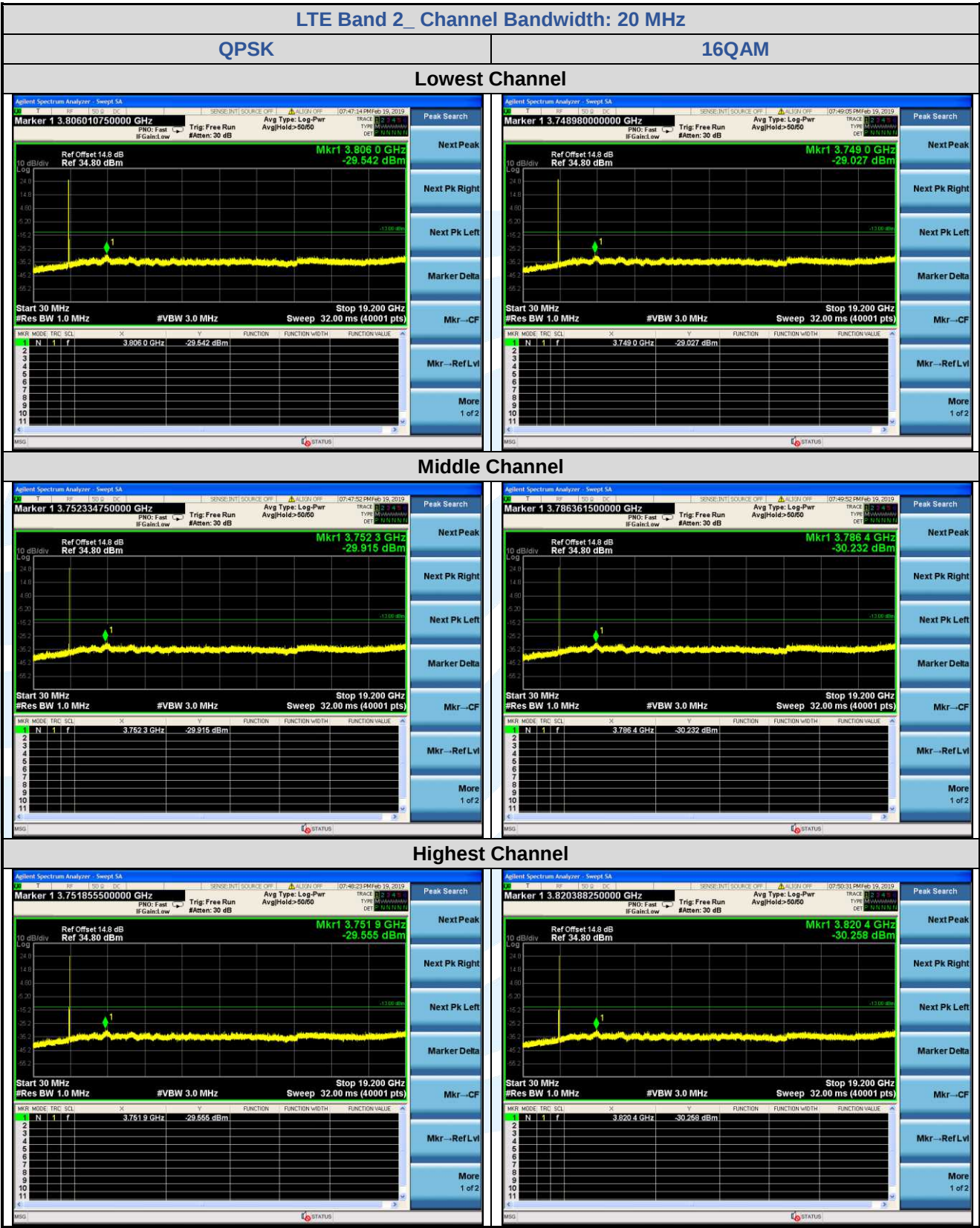
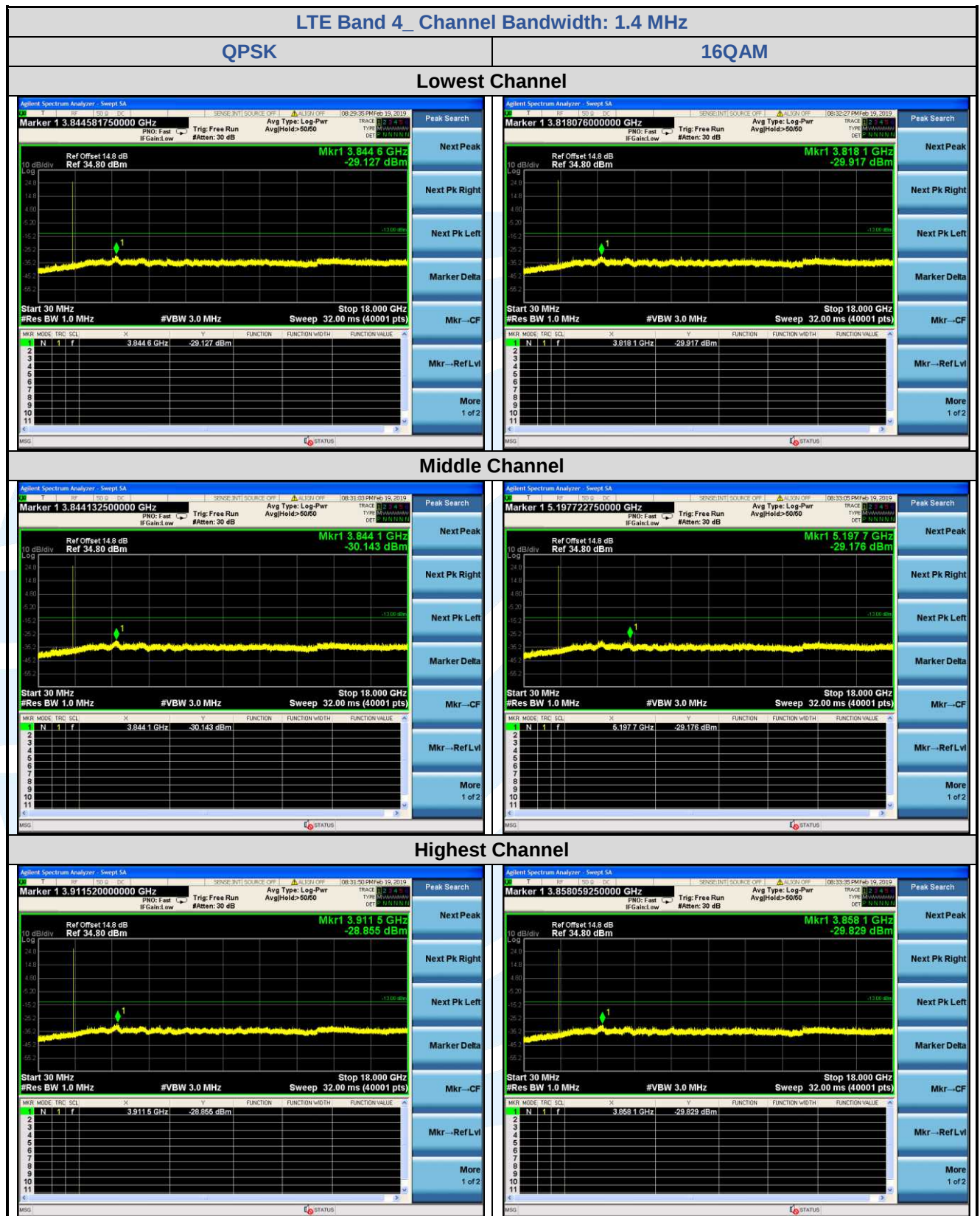
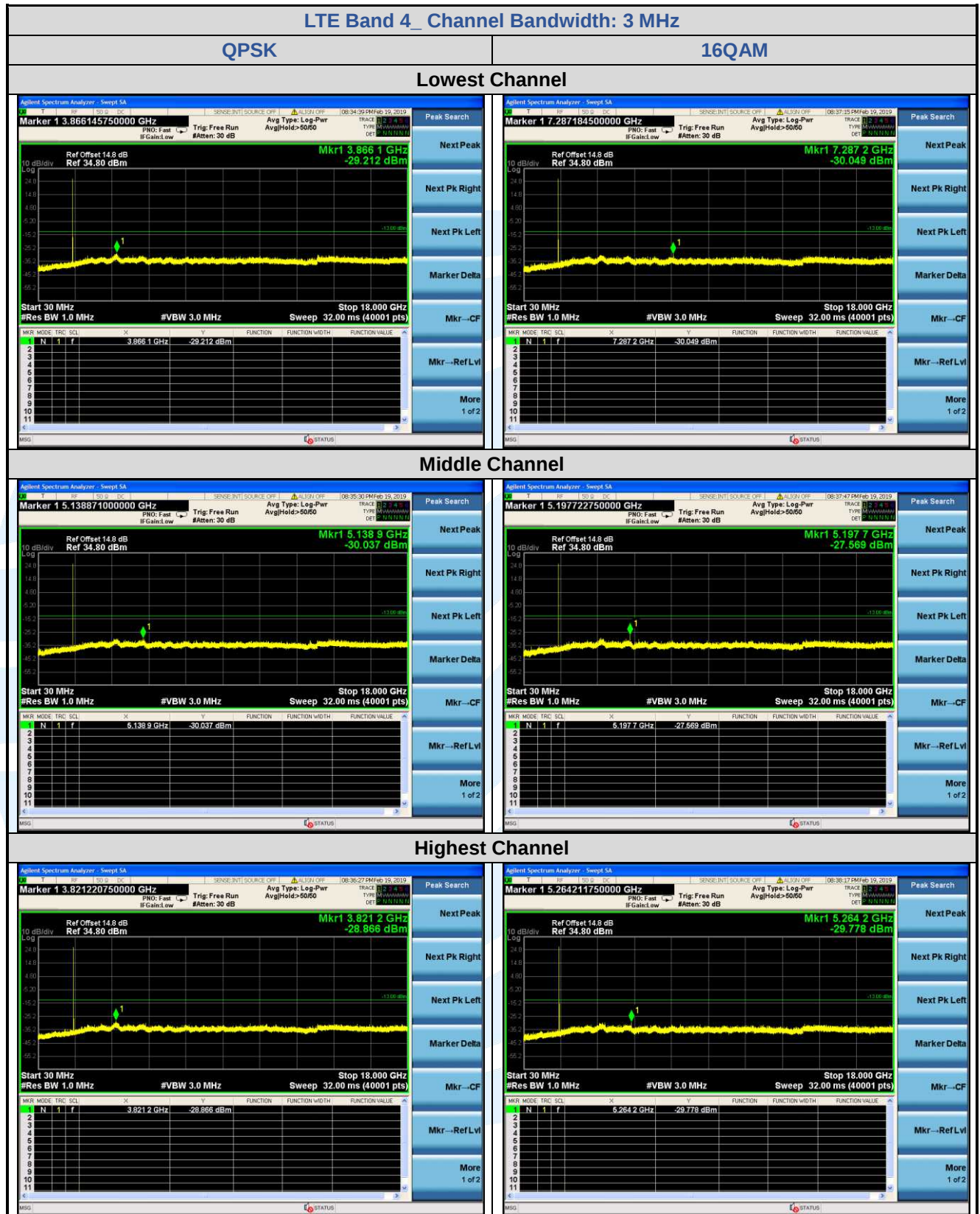
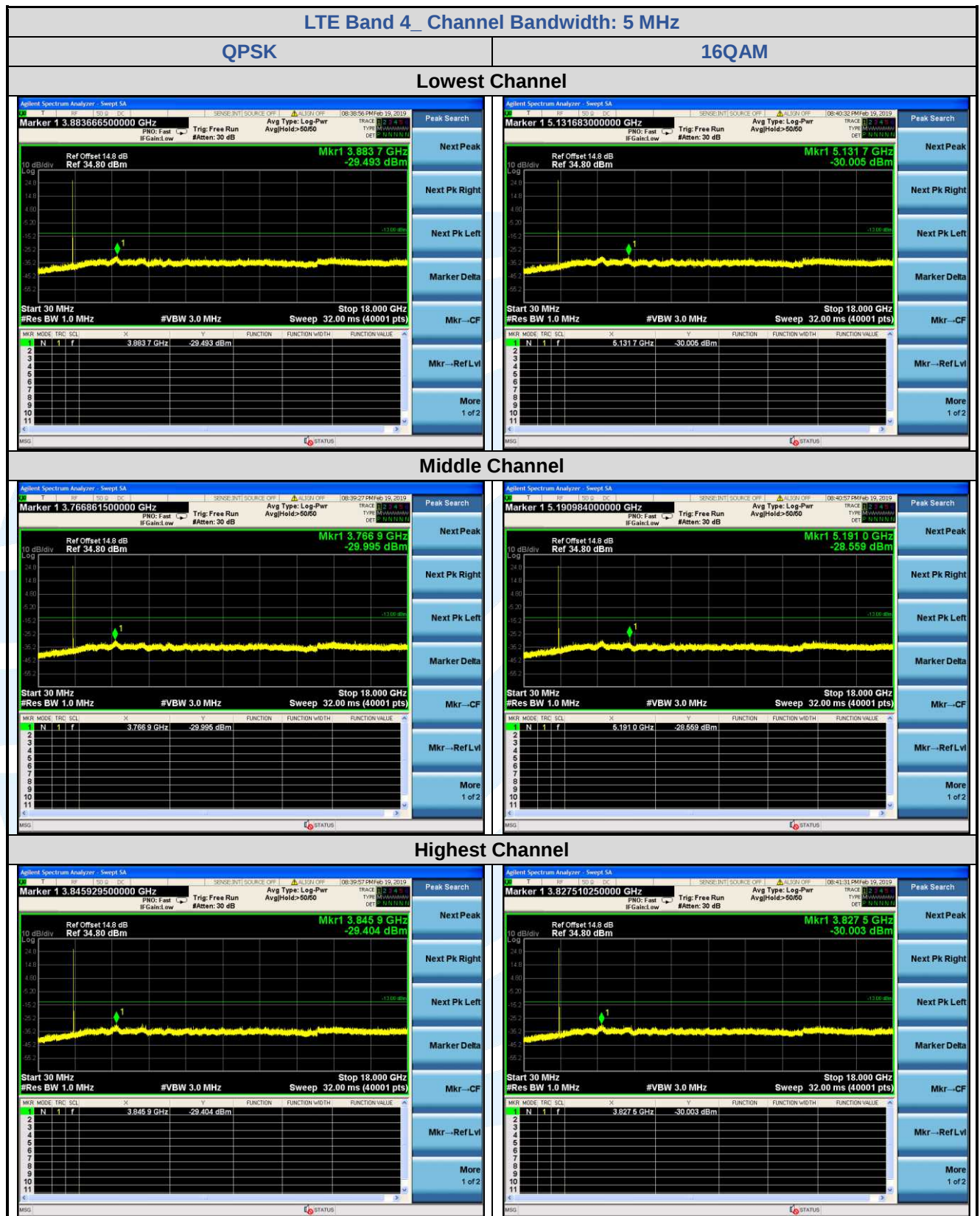
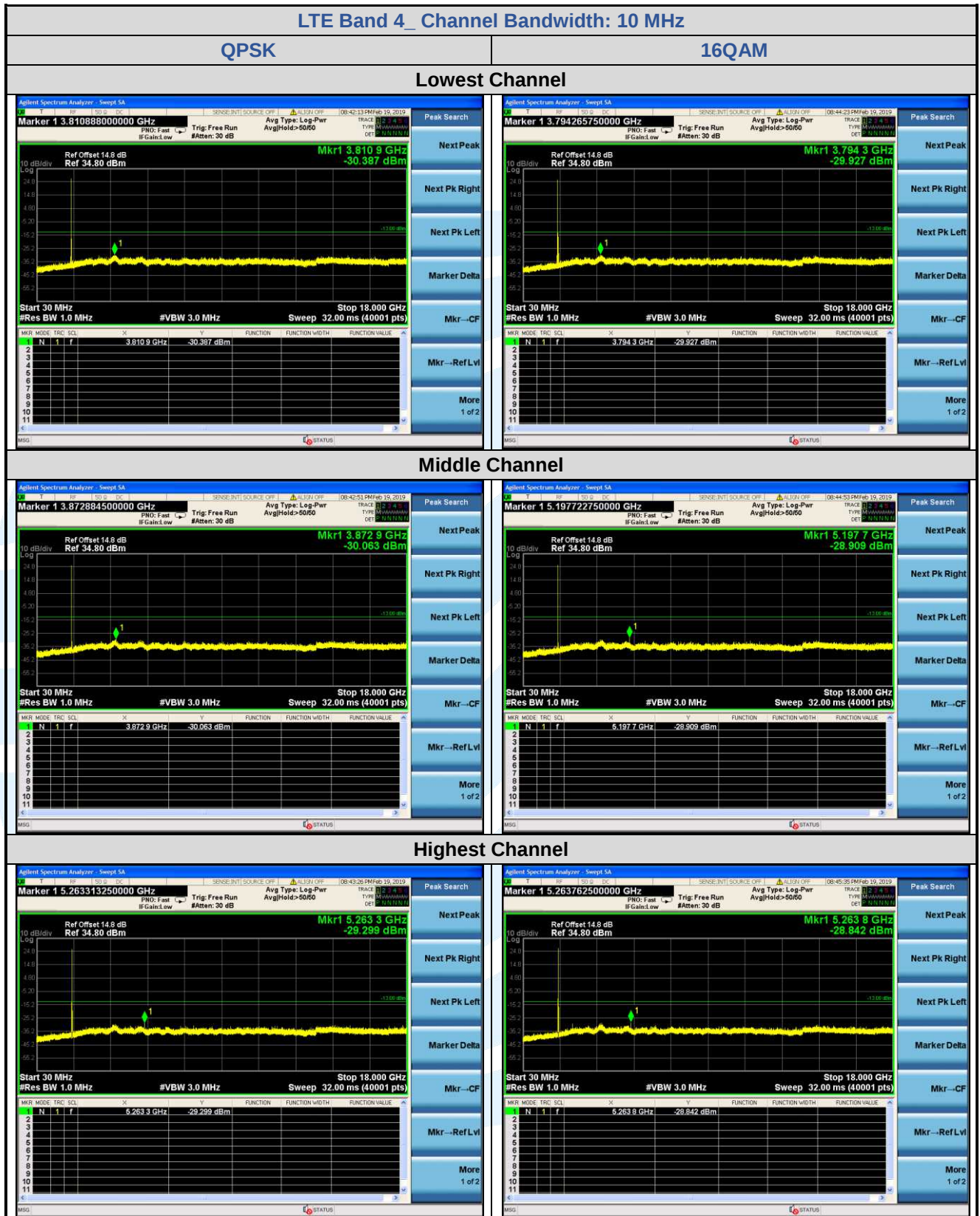


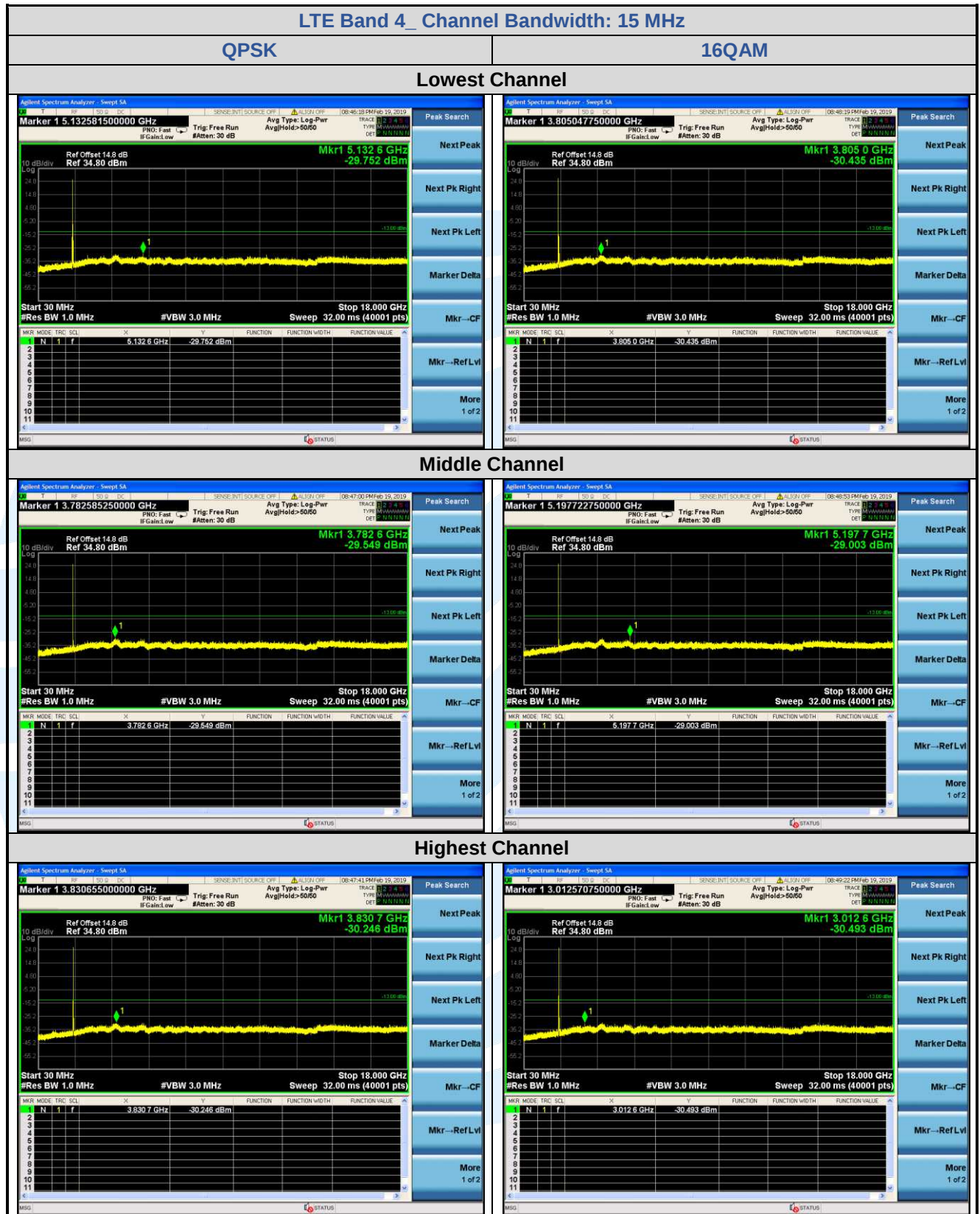


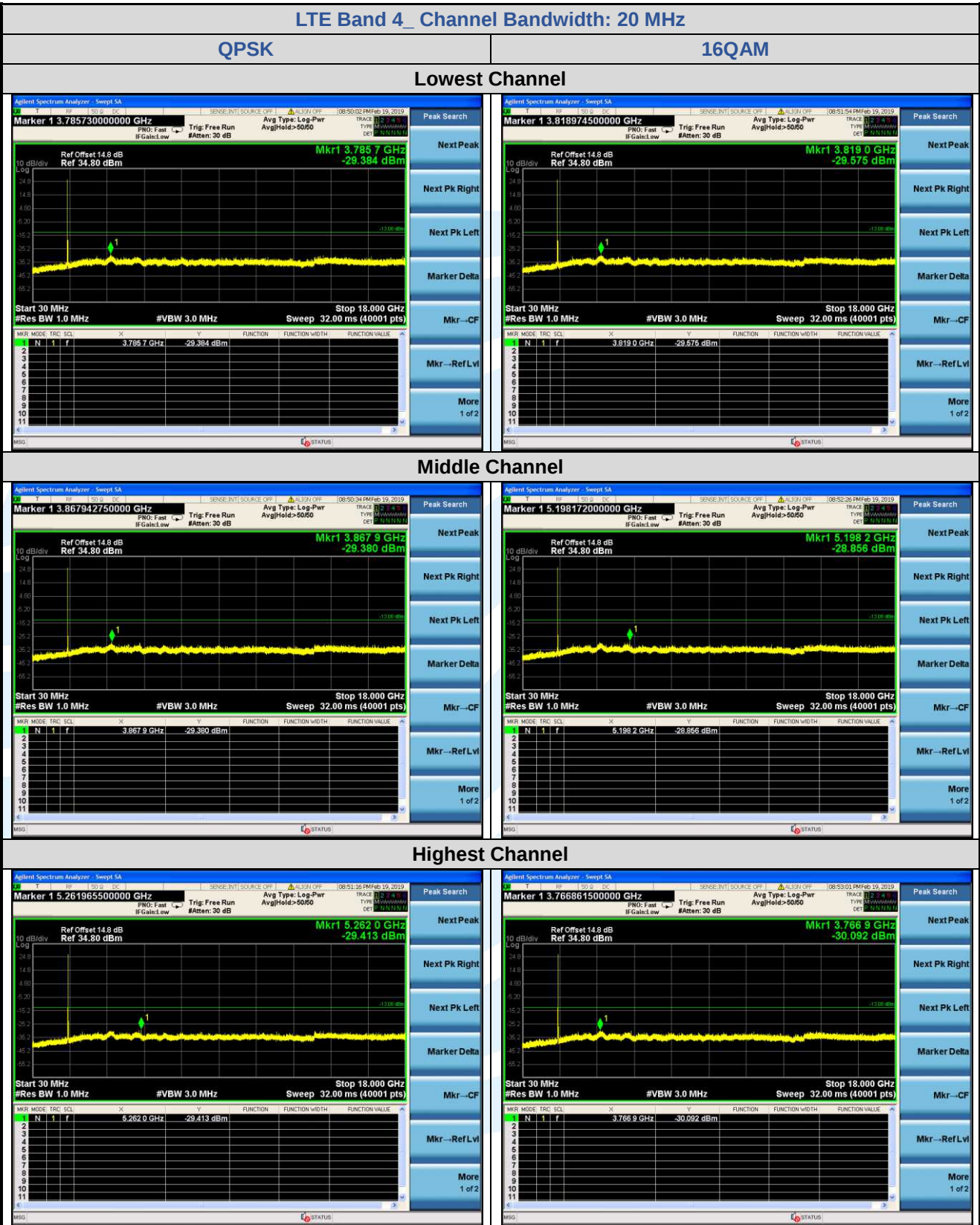


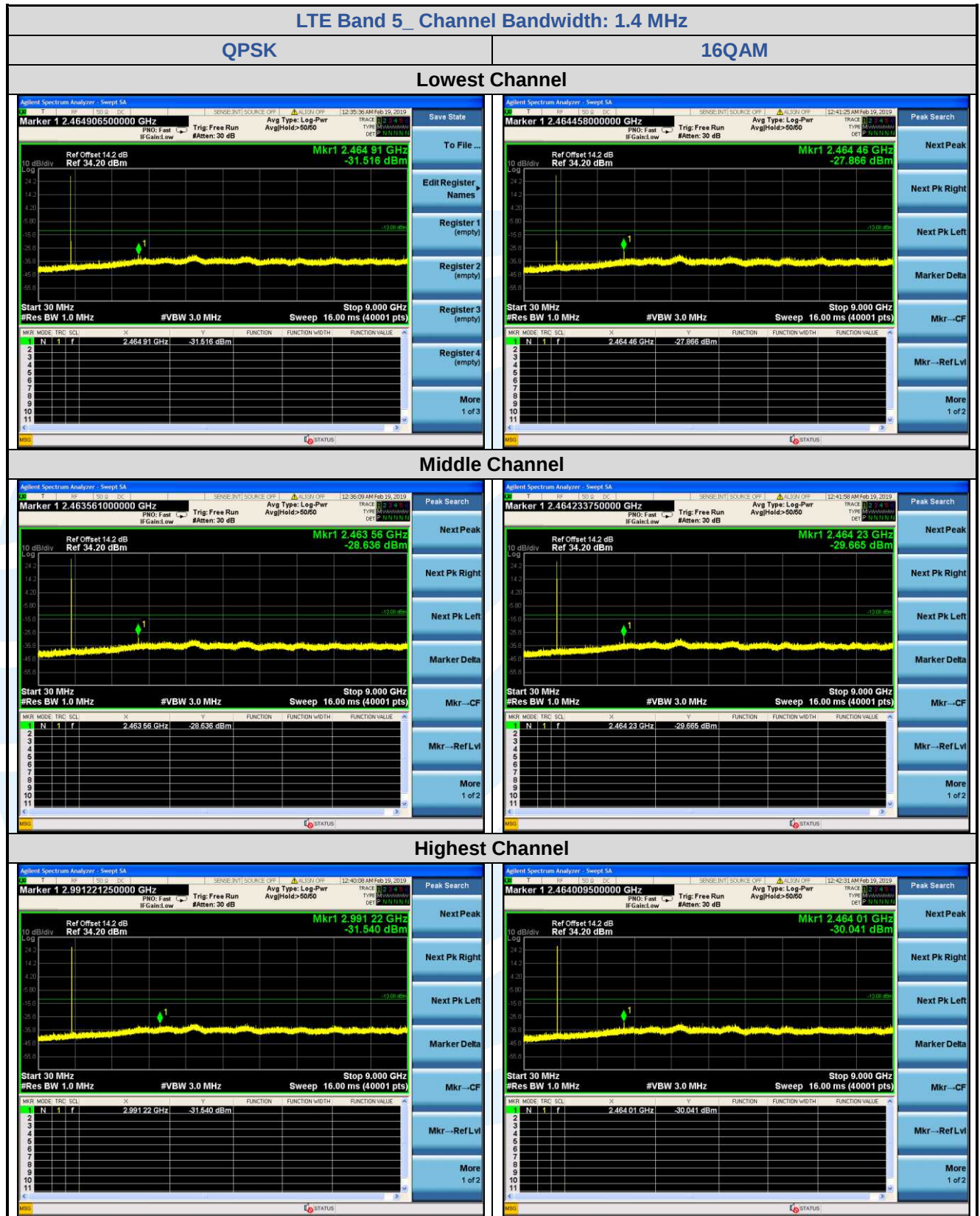


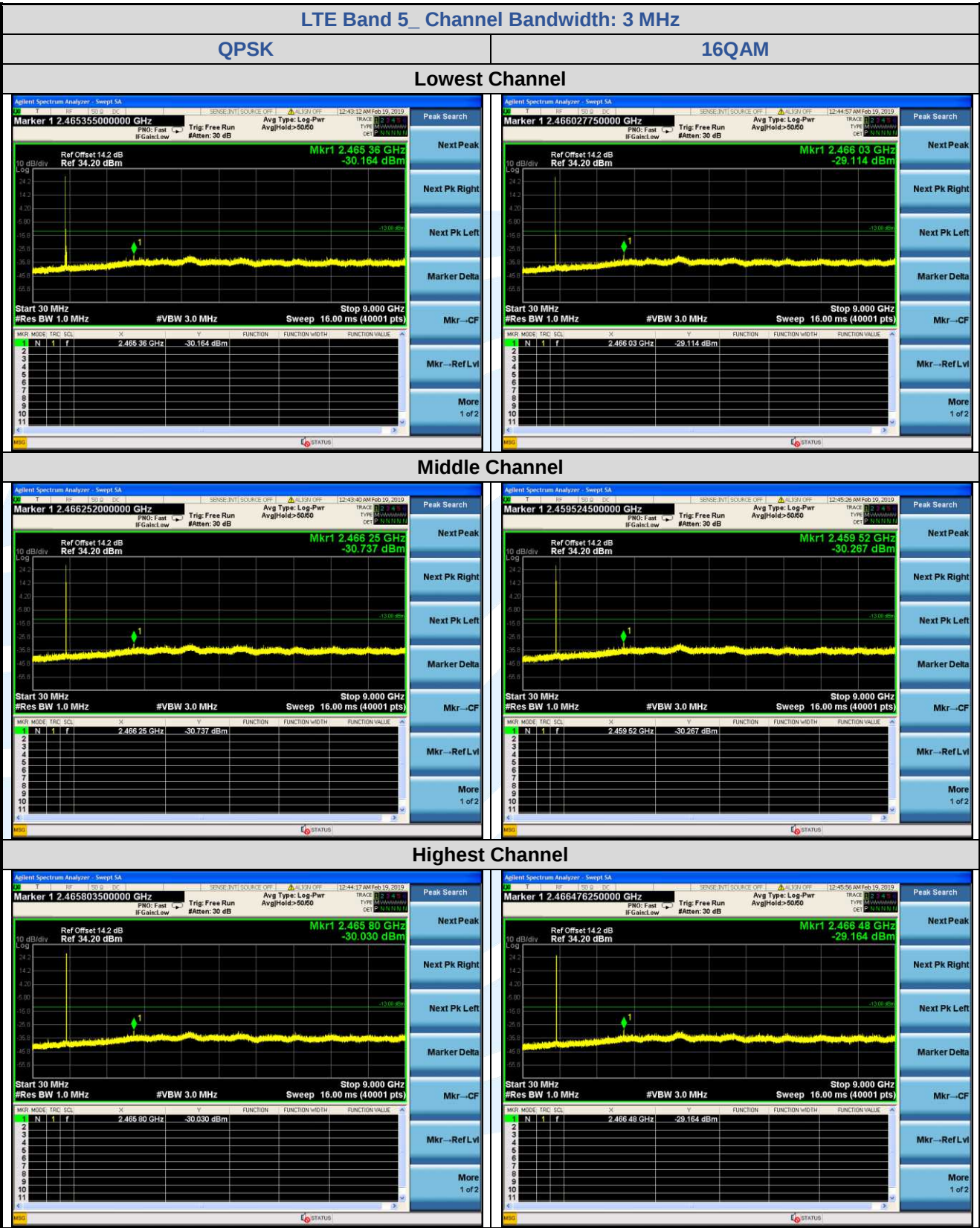


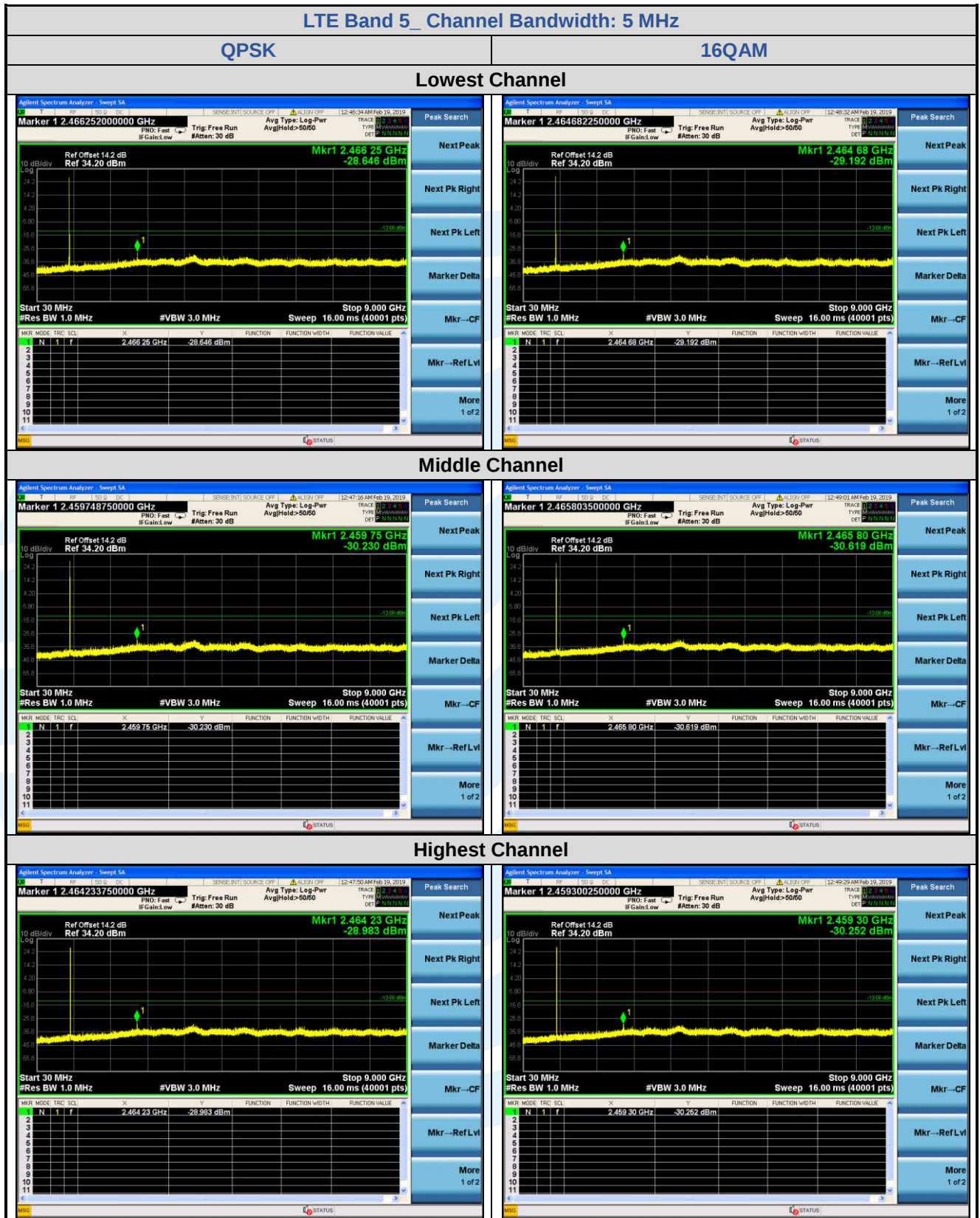


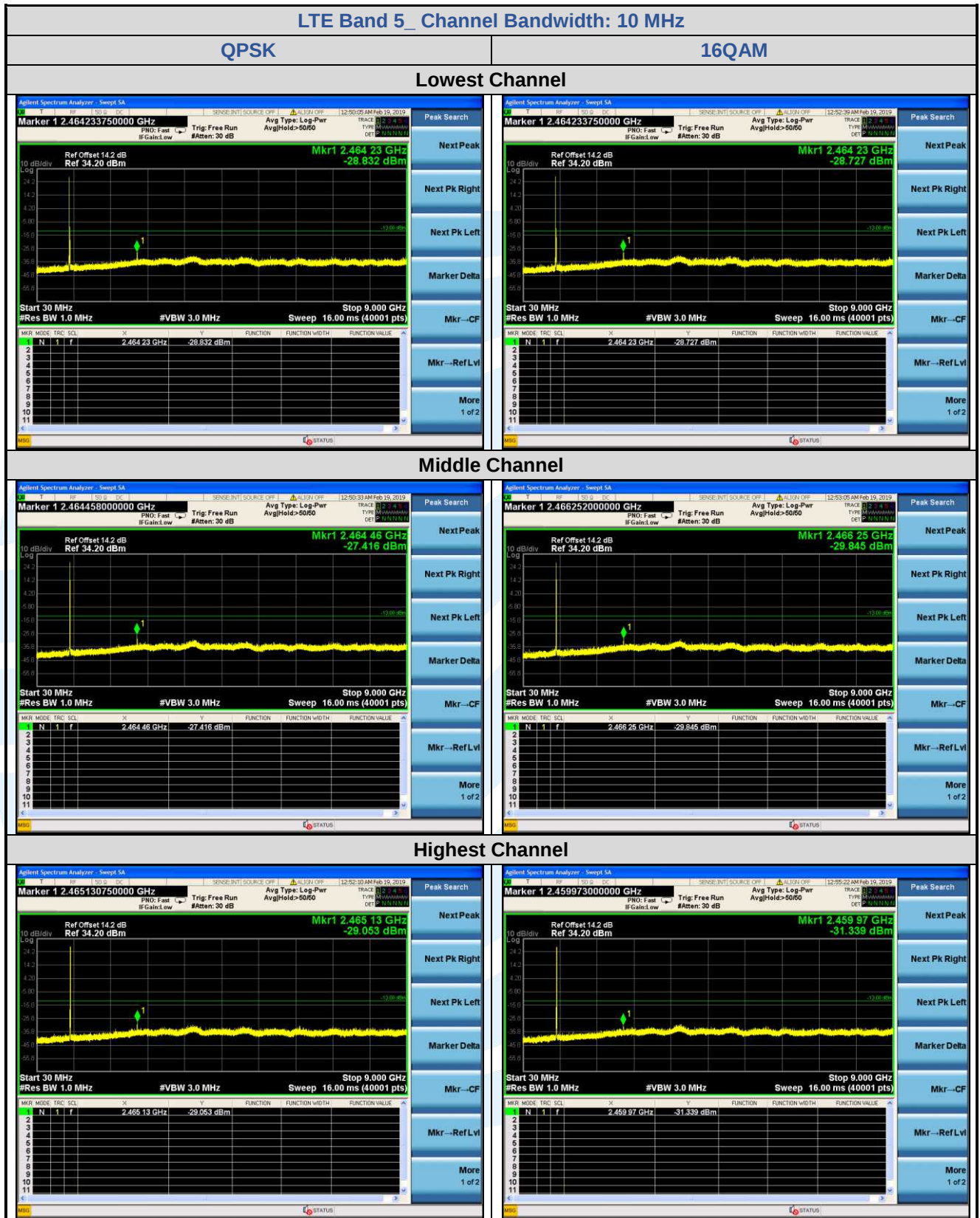


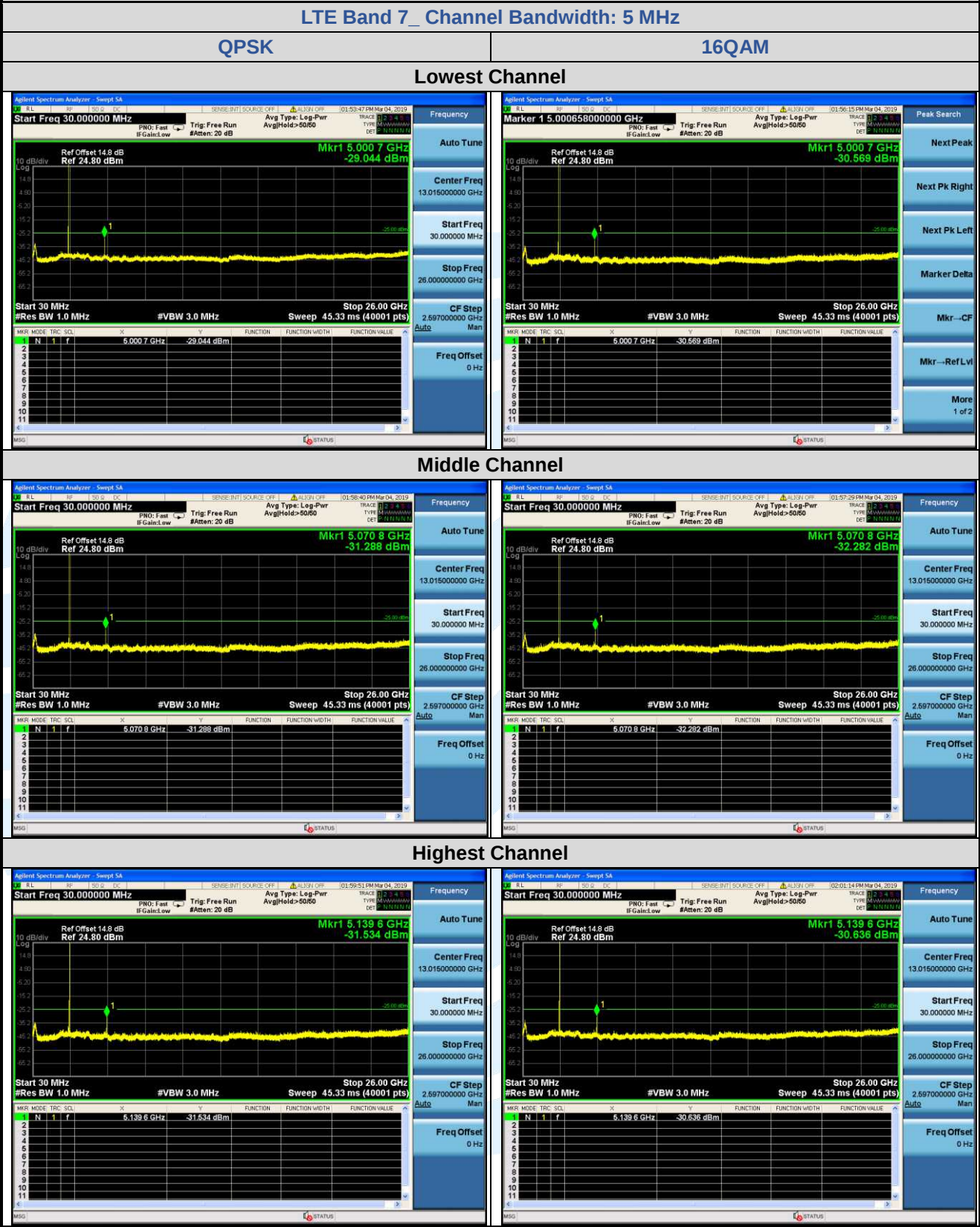




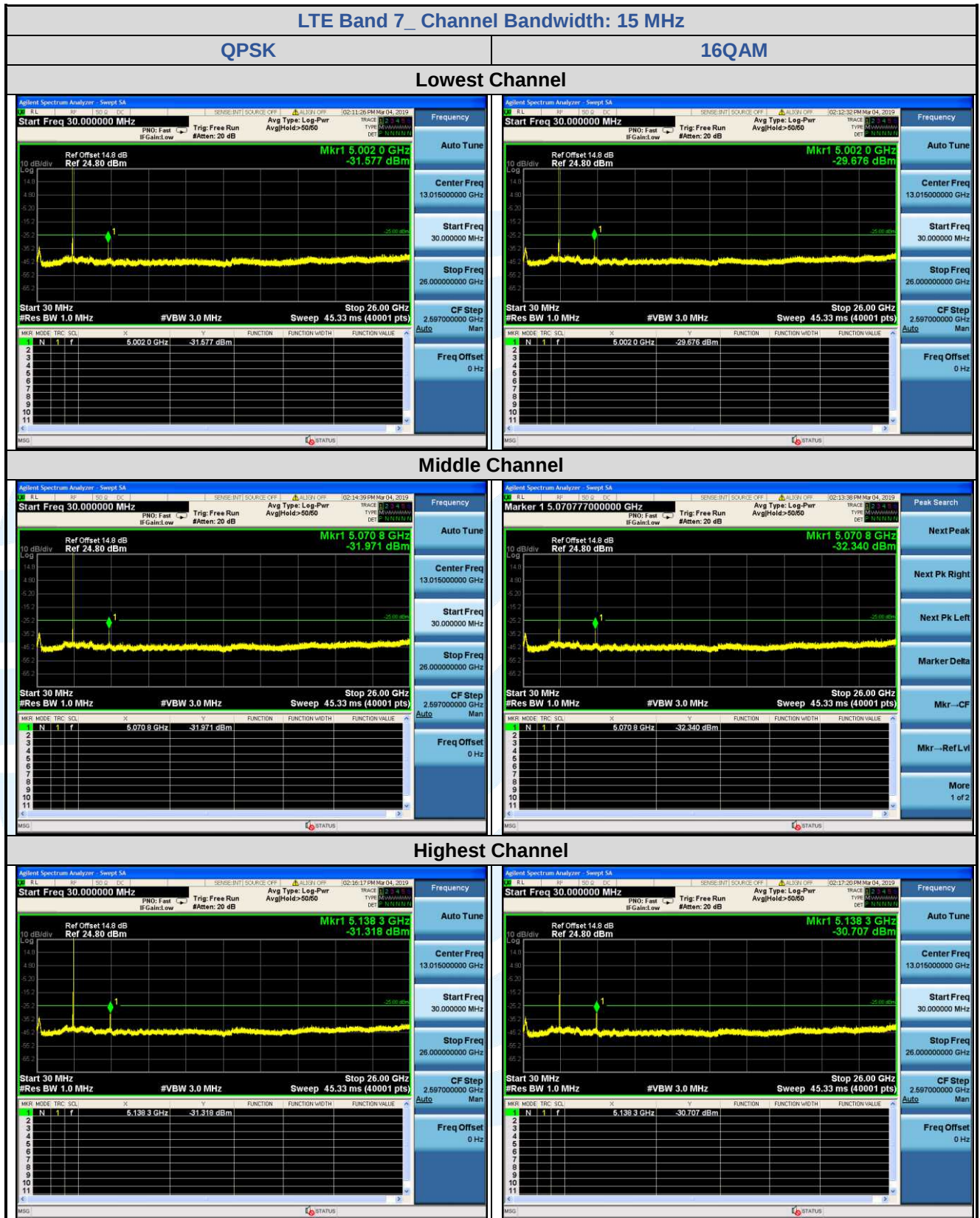


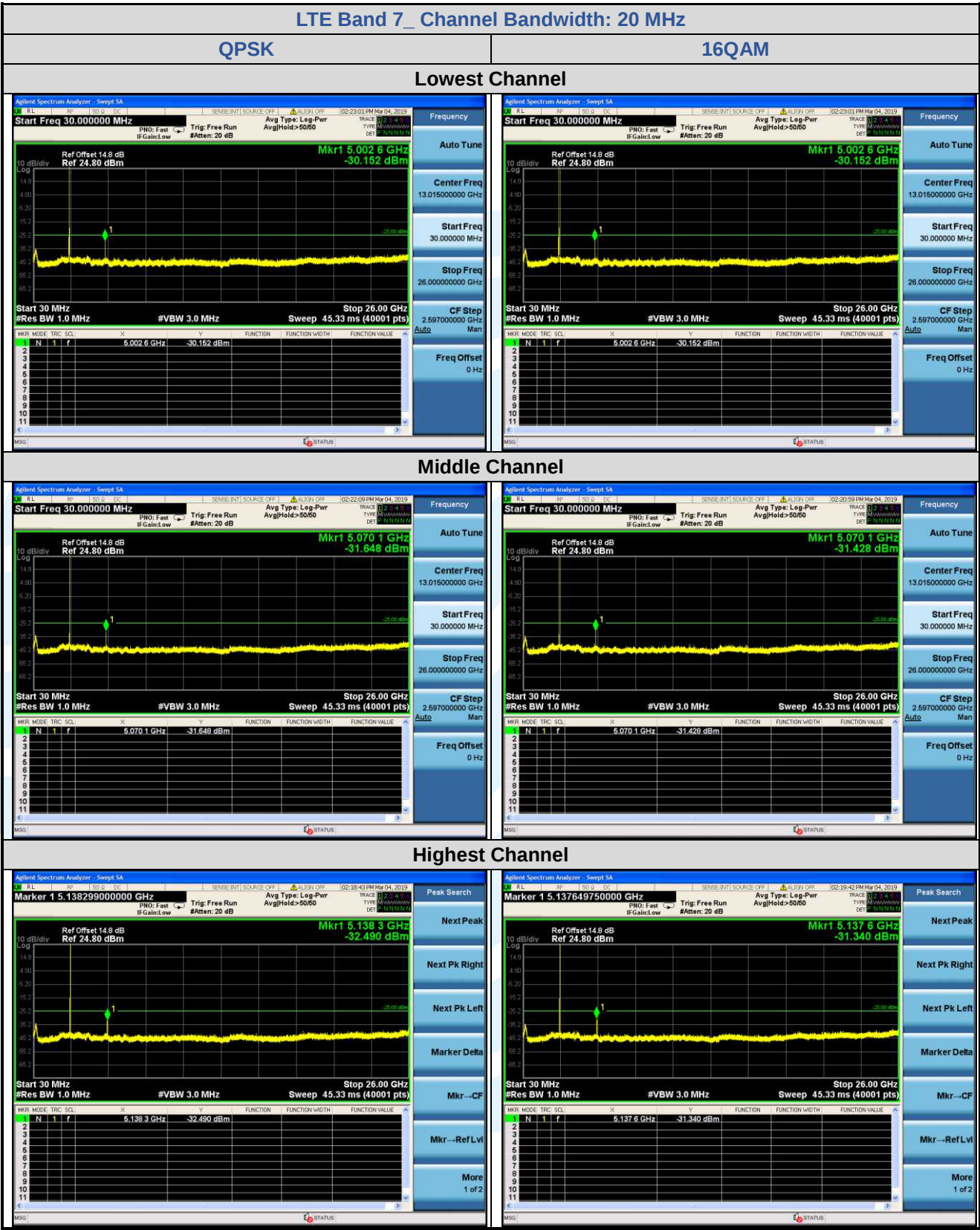












5.8 FIELD STRENGTH OF SPURIOUS RADIATION

Test Requirement: FCC 47 CFR Part 2.1051,
GSM 850 & WCDMA Band V & LTE Band 5: FCC 47 CFR Part 22.917(a)(b),
GSM 1900 & WCDMA Band II & LTE Band 2: FCC 47 CFR Part 24.238(a)(b),
LTE Band 4: FCC 47 CFR Part 27.53(h)(1),
LTE Band 7: FCC 47 CFR Part 27.53(m)(4)

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01

Receiver Setup:

Frequency	Detector	RBW	VBW	Remark
0.009 MHz-30 MHz	Peak	10 kHz	30 KHz	Peak
30 MHz-1 GHz	Quasi-peak	100 kHz	300 KHz	Peak
Above 1 GHz	Peak	1 MHz	3 MHz	Peak

Limits:

FCC 47 CFR Part 22 & FCC 47 CFR Part 24: 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. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(h)(1): 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 $43 + 10 \log_{10}(P)$ dB. The emission limit equal to -13 dBm.

FCC 47 CFR Part 27.53(m)(4): For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Test Setup: Refer to section 4.2.1 for details.

Test Procedures:

1. Scan up to 10th harmonic, find the maximum radiation frequency to measure.
2. The technique used to find the Spurious Emissions of the transmitter was the antenna substitution method. Substitution method was performed to determine the actual ERP/EIRP emission levels of the EUT.

Test procedure as below:

- 1) The EUT was powered ON and placed on a 0.8/1.5m high table at a 3 meter semi/fully Anechoic Chamber. The antenna of the transmitter was extended to its maximum length. Modulation mode and the measuring receiver shall be tuned to the frequency of the transmitter under test.
- 2) The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- 3) The disturbance of the transmitter was maximized on the test receiver display by raising and lowering from 1m to 4m the receive antenna and by rotating through 360° the turntable. After the fundamental emission was maximized, a field strength measurement was made.
- 4) Steps 1) to 3) were performed with the EUT and the receive antenna in both vertical and horizontal polarization.
- 5) The transmitter was then removed and replaced with another antenna. The center of the antenna was approximately at the same location as the center of the transmitter.
- 6) A signal at the disturbance was fed to the substitution antenna by means of a non-radiating cable. With both the substitution and the receive antennas horizontally polarized, the receive antenna was raised and lowered to obtain a maximum reading at the test receiver. The level of the signal generator was adjusted until the measured field strength level in step 3) is obtained for this set of conditions.
- 7) The output power into the substitution antenna was then measured.
- 8) Steps 6) and 7) were repeated with both antennas polarized.
- 9) Calculate power in dBm by the following formula:

$$\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

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$$\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$

$$\text{EIRP} = \text{ERP} + 2.15\text{dB}$$

where:

Pg is the generator output power into the substitution antenna.

- 10) Test the EUT in the lowest channel, the middle channel the Highest channel
- 11) The radiation measurements are performed in X, Y, Z axis positioning for EUT operation mode, and found the Y axis positioning which it is worse case.
- 12) Repeat above procedures until all frequencies measured was complete.

Equipment Used: Refer to section 3 for details.

Test Result: Pass

The measurement data as follows:

5.8.1 Radiated Emission Test Data (30 MHz to 1 GHz)

GSM 850 1Tx-slot_Lowest Channel

Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	311.452	-87.51	31.31	-56.20	-13.00	-43.20	Peak
2	520.208	-86.07	39.38	-46.69	-13.00	-33.69	Peak
3	723.793	-86.19	42.23	-43.96	-13.00	-30.96	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	103.335	-86.78	24.60	-62.18	-13.00	-49.18	Peak
2	471.467	-86.87	38.35	-48.52	-13.00	-35.52	Peak
3	637.795	-86.84	41.41	-45.43	-13.00	-32.43	Peak

GSM 850 1Tx-slot_Middle Channel

Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	282.270	-86.97	30.15	-56.82	-13.00	-43.82	Peak
2	520.208	-86.70	39.38	-47.32	-13.00	-34.32	Peak
3	765.648	-86.05	42.84	-43.21	-13.00	-30.21	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	272.525	-86.38	29.77	-56.61	-13.00	-43.61	Peak
2	523.876	-86.92	39.46	-47.46	-13.00	-34.46	Peak
3	689.051	-86.70	41.86	-44.84	-13.00	-31.84	Peak

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GSM 850 1Tx-slot_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	280.294	-87.65	30.09	-57.56	-13.00	-44.56	Peak
2	535.038	-87.41	39.68	-47.73	-13.00	-34.73	Peak
3	674.677	-86.46	41.73	-44.73	-13.00	-31.73	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	91.700	-81.42	23.78	-57.64	-13.00	-44.64	Peak
2	106.281	-82.57	24.67	-57.90	-13.00	-44.90	Peak
3	201.454	-81.25	27.90	-53.35	-13.00	-40.35	Peak

GSM 1900 1Tx-slot_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	130.305	-68.78	-3.03	-71.81	-13.00	-58.81	Peak
2	602.929	-79.87	11.65	-68.22	-13.00	-55.22	Peak
3	938.714	-79.33	16.50	-62.83	-13.00	-49.83	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.29	-3.81	-71.10	-13.00	-58.10	Peak
2	250.486	-76.33	1.07	-75.26	-13.00	-62.26	Peak
3	850.760	-79.85	14.95	-64.90	-13.00	-51.90	Peak

GSM 1900 1Tx-slot_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.77	-3.81	-72.58	-13.00	-59.58	Peak
2	602.929	-79.17	11.65	-67.52	-13.00	-54.52	Peak
3	945.334	-80.32	16.65	-63.67	-13.00	-50.67	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.47	-3.71	-71.18	-13.00	-58.18	Peak
2	250.486	-75.73	1.07	-74.66	-13.00	-61.66	Peak
3	979.139	-81.15	17.39	-63.76	-13.00	-50.76	Peak

GSM 1900 1Tx-slot_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.925	-69.22	-3.18	-72.40	-13.00	-59.40	Peak
2	523.876	-79.51	10.17	-69.34	-13.00	-56.34	Peak
3	844.803	-79.70	14.86	-64.84	-13.00	-51.84	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.17	-3.77	-70.94	-13.00	-57.94	Peak
2	516.565	-79.32	10.02	-69.30	-13.00	-56.30	Peak
3	986.044	-80.97	17.51	-63.46	-13.00	-50.46	Peak

WCDMA Band II RMC 12.2Kbps_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.925	-69.13	-3.18	-72.31	-13.00	-59.31	Peak
2	421.329	-79.20	8.04	-71.16	-13.00	-58.16	Peak
3	979.139	-80.00	17.39	-62.61	-13.00	-49.61	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.67	-3.81	-71.48	-13.00	-58.48	Peak
2	250.486	-76.29	1.07	-75.22	-13.00	-62.22	Peak
3	938.714	-79.93	16.50	-63.43	-13.00	-50.43	Peak

WCDMA Band II RMC 12.2Kbps_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.85	-3.81	-72.66	-13.00	-59.66	Peak
2	594.514	-80.29	11.50	-68.79	-13.00	-55.79	Peak
3	932.141	-78.48	16.39	-62.09	-13.00	-49.09	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.48	-3.71	-71.19	-13.00	-58.19	Peak
2	582.112	-79.68	11.24	-68.44	-13.00	-55.44	Peak
3	804.252	-79.82	14.25	-65.57	-13.00	-52.57	Peak

WCDMA Band II RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	121.462	-69.25	-3.27	-72.52	-13.00	-59.52	Peak
2	502.247	-79.41	9.72	-69.69	-13.00	-56.69	Peak
3	850.760	-78.89	14.95	-63.94	-13.00	-50.94	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.25	-3.77	-71.02	-13.00	-58.02	Peak
2	250.486	-76.84	1.07	-75.77	-13.00	-62.77	Peak
3	945.334	-80.02	16.65	-63.37	-13.00	-50.37	Peak

WCDMA Band V RMC 12.2Kbps_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	123.181	-86.59	25.38	-61.21	-13.00	-48.21	Peak
2	155.331	-86.95	26.42	-60.53	-13.00	-47.53	Peak
3	698.804	-87.29	41.99	-45.30	-13.00	-32.30	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	158.640	-87.51	26.54	-60.97	-13.00	-47.97	Peak
2	250.486	-86.94	29.24	-57.70	-13.00	-44.70	Peak
3	642.292	-87.33	41.47	-45.86	-13.00	-32.86	Peak

WCDMA Band V RMC 12.2Kbps_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	121.462	-87.45	25.35	-62.10	-13.00	-49.10	Peak
2	225.427	-86.88	28.54	-58.34	-13.00	-45.34	Peak
3	642.292	-86.75	41.47	-45.28	-13.00	-32.28	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	193.137	-83.29	27.76	-55.53	-13.00	-42.53	Peak
2	461.631	-86.82	38.11	-48.71	-13.00	-35.71	Peak
3	693.910	-86.39	41.93	-44.46	-13.00	-31.46	Peak

WCDMA Band V RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	236.793	-87.36	28.81	-58.55	-13.00	-45.55	Peak
2	436.396	-87.37	37.44	-49.93	-13.00	-36.93	Peak
3	611.462	-86.16	41.01	-45.15	-13.00	-32.15	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	322.590	-87.47	31.83	-55.64	-13.00	-42.64	Peak
2	531.291	-86.48	39.60	-46.88	-13.00	-33.88	Peak
3	646.822	-86.25	41.52	-44.73	-13.00	-31.73	Peak

LTE Band 2/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.90	-3.77	-72.67	-13.00	-59.67	Peak
2	130.305	-69.73	-3.03	-72.76	-13.00	-59.76	Peak
3	781.961	-79.38	13.90	-65.48	-13.00	-52.48	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.60	-3.81	-71.41	-13.00	-58.41	Peak
2	250.486	-76.37	1.07	-75.30	-13.00	-62.30	Peak
3	986.044	-80.65	17.51	-63.14	-13.00	-50.14	Peak

LTE Band 2/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	125.806	-69.04	-3.16	-72.20	-13.00	-59.20	Peak
2	401.105	-80.06	7.56	-72.50	-13.00	-59.50	Peak
3	578.036	-76.72	11.17	-65.55	-13.00	-52.55	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.04	-3.81	-71.85	-13.00	-58.85	Peak
2	611.462	-79.81	11.75	-68.06	-13.00	-55.06	Peak
3	776.485	-79.18	13.81	-65.37	-13.00	-52.37	Peak

LTE Band 2/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	110.858	-68.49	-3.86	-72.35	-13.00	-59.35	Peak
2	550.290	-79.99	10.64	-69.35	-13.00	-56.35	Peak
3	899.958	-80.05	15.77	-64.28	-13.00	-51.28	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	90.420	-69.91	-5.05	-74.96	-13.00	-61.96	Peak
2	250.486	-77.32	1.07	-76.25	-13.00	-63.25	Peak
3	945.334	-80.79	16.65	-64.14	-13.00	-51.14	Peak

LTE Band 2/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-68.61	-3.71	-72.32	-13.00	-59.32	Peak
2	132.149	-68.67	-2.99	-71.66	-13.00	-58.66	Peak
3	798.620	-79.68	14.19	-65.49	-13.00	-52.49	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.36	-3.77	-71.13	-13.00	-58.13	Peak
2	250.486	-76.65	1.07	-75.58	-13.00	-62.58	Peak
3	646.822	-79.62	12.27	-67.35	-13.00	-54.35	Peak

LTE Band 2/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.97	-3.81	-72.78	-13.00	-59.78	Peak
2	471.467	-79.38	9.24	-70.14	-13.00	-57.14	Peak
3	899.958	-80.35	15.77	-64.58	-13.00	-51.58	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.92	-3.77	-71.69	-13.00	-58.69	Peak
2	311.452	-73.91	3.24	-70.67	-13.00	-57.67	Peak
3	821.387	-79.37	14.43	-64.94	-13.00	-51.94	Peak

LTE Band 2/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	122.319	-69.37	-3.25	-72.62	-13.00	-59.62	Peak
2	535.038	-79.49	10.39	-69.10	-13.00	-56.10	Peak
3	815.635	-79.43	14.36	-65.07	-13.00	-52.07	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.00	-3.81	-71.81	-13.00	-58.81	Peak
2	554.171	-79.12	10.70	-68.42	-13.00	-55.42	Peak
3	965.474	-80.22	17.15	-63.07	-13.00	-50.07	Peak

LTE Band 2/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.58	-3.81	-72.39	-13.00	-59.39	Peak
2	122.319	-69.09	-3.25	-72.34	-13.00	-59.34	Peak
3	862.802	-79.59	15.11	-64.48	-13.00	-51.48	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.21	-3.81	-71.02	-13.00	-58.02	Peak
2	250.486	-76.47	1.07	-75.40	-13.00	-62.40	Peak
3	899.958	-79.60	15.77	-63.83	-13.00	-50.83	Peak

LTE Band 2/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	130.305	-69.74	-3.03	-72.77	-13.00	-59.77	Peak
2	505.789	-79.21	9.80	-69.41	-13.00	-56.41	Peak
3	771.047	-79.21	13.72	-65.49	-13.00	-52.49	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	87.914	-70.41	-5.21	-75.62	-13.00	-62.62	Peak
2	250.486	-76.84	1.07	-75.77	-13.00	-62.77	Peak
3	965.474	-79.32	17.15	-62.17	-13.00	-49.17	Peak

LTE Band 2/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.050	-69.36	-3.21	-72.57	-13.00	-59.57	Peak
2	505.789	-79.46	9.80	-69.66	-13.00	-56.66	Peak
3	798.620	-79.00	14.19	-64.81	-13.00	-51.81	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.22	-3.81	-72.03	-13.00	-59.03	Peak
2	384.545	-78.25	6.72	-71.53	-13.00	-58.53	Peak
3	899.958	-80.42	15.77	-64.65	-13.00	-51.65	Peak

LTE Band 2/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.59	-3.81	-72.40	-13.00	-59.40	Peak
2	565.978	-79.28	10.92	-68.36	-13.00	-55.36	Peak
3	893.656	-79.70	15.61	-64.09	-13.00	-51.09	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.42	-3.71	-71.13	-13.00	-58.13	Peak
2	468.165	-79.54	9.17	-70.37	-13.00	-57.37	Peak
3	633.328	-79.02	12.07	-66.95	-13.00	-53.95	Peak

LTE Band 2/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	110.858	-68.68	-3.86	-72.54	-13.00	-59.54	Peak
2	478.139	-79.38	9.41	-69.97	-13.00	-56.97	Peak
3	965.474	-80.08	17.15	-62.93	-13.00	-49.93	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-68.14	-3.71	-71.85	-13.00	-58.85	Peak
2	250.486	-76.45	1.07	-75.38	-13.00	-62.38	Peak
3	693.910	-78.34	12.69	-65.65	-13.00	-52.65	Peak

LTE Band 2/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	110.858	-68.67	-3.86	-72.53	-13.00	-59.53	Peak
2	131.224	-70.11	-3.01	-73.12	-13.00	-60.12	Peak
3	938.714	-79.98	16.50	-63.48	-13.00	-50.48	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.93	-3.71	-71.64	-13.00	-58.64	Peak
2	250.486	-77.08	1.07	-76.01	-13.00	-63.01	Peak
3	965.474	-80.57	17.15	-63.42	-13.00	-50.42	Peak

LTE Band 2/ 15 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.925	-69.32	-3.18	-72.50	-13.00	-59.50	Peak
2	646.822	-79.45	12.27	-67.18	-13.00	-54.18	Peak
3	972.283	-80.32	17.27	-63.05	-13.00	-50.05	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.99	-3.81	-71.80	-13.00	-58.80	Peak
2	250.486	-76.38	1.07	-75.31	-13.00	-62.31	Peak
3	952.000	-79.75	16.83	-62.92	-13.00	-49.92	Peak

LTE Band 2/ 15 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.925	-69.50	-3.18	-72.68	-13.00	-59.68	Peak
2	546.437	-78.95	10.59	-68.36	-13.00	-55.36	Peak
3	827.179	-79.96	14.54	-65.42	-13.00	-52.42	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-70.35	-3.71	-74.06	-13.00	-61.06	Peak
2	471.467	-78.97	9.24	-69.73	-13.00	-56.73	Peak
3	781.961	-79.02	13.90	-65.12	-13.00	-52.12	Peak

LTE Band 2/ 15 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.94	-3.81	-72.75	-13.00	-59.75	Peak
2	131.224	-69.31	-3.01	-72.32	-13.00	-59.32	Peak
3	972.283	-80.71	17.27	-63.44	-13.00	-50.44	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-70.93	-3.77	-74.70	-13.00	-61.70	Peak
2	131.224	-72.34	-3.01	-75.35	-13.00	-62.35	Peak
3	250.486	-77.47	1.07	-76.40	-13.00	-63.40	Peak

LTE Band 2/ 20 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-68.74	-3.71	-72.45	-13.00	-59.45	Peak
2	130.305	-69.98	-3.03	-73.01	-13.00	-60.01	Peak
3	965.474	-81.09	17.15	-63.94	-13.00	-50.94	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.16	-3.77	-71.93	-13.00	-58.93	Peak
2	611.462	-79.58	11.75	-67.83	-13.00	-54.83	Peak
3	912.695	-79.72	16.04	-63.68	-13.00	-50.68	Peak

LTE Band 2/ 20 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	131.224	-68.99	-3.01	-72.00	-13.00	-59.00	Peak
2	384.545	-77.05	6.72	-70.33	-13.00	-57.33	Peak
3	578.036	-76.49	11.17	-65.32	-13.00	-52.32	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-68.27	-3.71	-71.98	-13.00	-58.98	Peak
2	250.486	-75.24	1.07	-74.17	-13.00	-61.17	Peak
3	821.387	-79.53	14.43	-65.10	-13.00	-52.10	Peak

LTE Band 2/ 20 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-69.03	-3.71	-72.74	-13.00	-59.74	Peak
2	250.486	-78.03	1.07	-76.96	-13.00	-63.96	Peak
3	698.804	-78.99	12.76	-66.23	-13.00	-53.23	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.98	-3.71	-71.69	-13.00	-58.69	Peak
2	121.462	-70.41	-3.27	-73.68	-13.00	-60.68	Peak
3	550.290	-78.93	10.64	-68.29	-13.00	-55.29	Peak

LTE Band 4/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-69.29	-3.71	-73.00	-13.00	-60.00	Peak
2	130.305	-69.25	-3.03	-72.28	-13.00	-59.28	Peak
3	862.802	-79.79	15.11	-64.68	-13.00	-51.68	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.83	-3.77	-72.60	-13.00	-59.60	Peak
2	502.247	-78.95	9.72	-69.23	-13.00	-56.23	Peak
3	827.179	-80.38	14.54	-65.84	-13.00	-52.84	Peak

LTE Band 4/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	122.319	-68.92	-3.25	-72.17	-13.00	-59.17	Peak
2	562.014	-79.03	10.83	-68.20	-13.00	-55.20	Peak
3	945.334	-80.38	16.65	-63.73	-13.00	-50.73	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-68.21	-3.71	-71.92	-13.00	-58.92	Peak
2	708.694	-80.06	12.87	-67.19	-13.00	-54.19	Peak
3	992.997	-79.78	17.62	-62.16	-13.00	-49.16	Peak

LTE Band 4/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.00	-3.77	-71.77	-13.00	-58.77	Peak
2	130.305	-69.06	-3.03	-72.09	-13.00	-59.09	Peak
3	932.141	-80.42	16.39	-64.03	-13.00	-51.03	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	110.858	-70.26	-3.86	-74.12	-13.00	-61.12	Peak
2	250.486	-77.85	1.07	-76.78	-13.00	-63.78	Peak
3	833.013	-80.41	14.65	-65.76	-13.00	-52.76	Peak

LTE Band 4/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.44	-3.77	-72.21	-13.00	-59.21	Peak
2	130.305	-69.28	-3.03	-72.31	-13.00	-59.31	Peak
3	906.304	-80.32	15.90	-64.42	-13.00	-51.42	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.31	-3.81	-72.12	-13.00	-59.12	Peak
2	468.165	-78.32	9.17	-69.15	-13.00	-56.15	Peak
3	925.613	-80.68	16.29	-64.39	-13.00	-51.39	Peak

LTE Band 4/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	121.462	-69.67	-3.27	-72.94	-13.00	-59.94	Peak
2	250.486	-77.18	1.07	-76.11	-13.00	-63.11	Peak
3	798.620	-79.63	14.19	-65.44	-13.00	-52.44	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.47	-3.81	-72.28	-13.00	-59.28	Peak
2	562.014	-79.23	10.83	-68.40	-13.00	-55.40	Peak
3	893.656	-80.33	15.61	-64.72	-13.00	-51.72	Peak

LTE Band 4/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.97	-3.71	-71.68	-13.00	-58.68	Peak
2	132.149	-68.21	-2.99	-71.20	-13.00	-58.20	Peak
3	689.051	-79.33	12.62	-66.71	-13.00	-53.71	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.05	-3.77	-70.82	-13.00	-57.82	Peak
2	660.602	-79.88	12.44	-67.44	-13.00	-54.44	Peak
3	932.141	-80.21	16.39	-63.82	-13.00	-50.82	Peak

LTE Band 4/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.82	-3.77	-72.59	-13.00	-59.59	Peak
2	130.305	-69.60	-3.03	-72.63	-13.00	-59.63	Peak
3	952.000	-80.02	16.83	-63.19	-13.00	-50.19	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-68.00	-3.71	-71.71	-13.00	-58.71	Peak
2	250.486	-76.37	1.07	-75.30	-13.00	-62.30	Peak
3	932.141	-80.24	16.39	-63.85	-13.00	-50.85	Peak

LTE Band 4/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.99	-3.81	-72.80	-13.00	-59.80	Peak
2	250.486	-76.47	1.07	-75.40	-13.00	-62.40	Peak
3	986.044	-79.76	17.51	-62.25	-13.00	-49.25	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.85	-3.77	-71.62	-13.00	-58.62	Peak
2	642.292	-79.76	12.22	-67.54	-13.00	-54.54	Peak
3	958.714	-80.71	17.02	-63.69	-13.00	-50.69	Peak

LTE Band 4/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.80	-3.71	-71.51	-13.00	-58.51	Peak
2	384.545	-73.17	6.72	-66.45	-13.00	-53.45	Peak
3	868.886	-79.45	15.16	-64.29	-13.00	-51.29	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-66.57	-3.71	-70.28	-13.00	-57.28	Peak
2	765.648	-79.85	13.63	-66.22	-13.00	-53.22	Peak
3	972.283	-80.71	17.27	-63.44	-13.00	-50.44	Peak

LTE Band 4/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-68.95	-3.81	-72.76	-13.00	-59.76	Peak
2	131.224	-69.30	-3.01	-72.31	-13.00	-59.31	Peak
3	965.474	-80.21	17.15	-63.06	-13.00	-50.06	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.60	-3.81	-71.41	-13.00	-58.41	Peak
2	512.948	-79.05	9.94	-69.11	-13.00	-56.11	Peak
3	679.435	-78.63	12.50	-66.13	-13.00	-53.13	Peak

LTE Band 4/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	131.224	-69.06	-3.01	-72.07	-13.00	-59.07	Peak
2	558.079	-78.38	10.76	-67.62	-13.00	-54.62	Peak
3	979.139	-80.43	17.39	-63.04	-13.00	-50.04	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-71.00	-3.77	-74.77	-13.00	-61.77	Peak
2	531.291	-78.82	10.31	-68.51	-13.00	-55.51	Peak
3	945.334	-80.15	16.65	-63.50	-13.00	-50.50	Peak

LTE Band 4/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	113.220	-67.95	-3.71	-71.66	-13.00	-58.66	Peak
2	133.081	-70.40	-2.96	-73.36	-13.00	-60.36	Peak
3	827.179	-79.75	14.54	-65.21	-13.00	-52.21	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-66.85	-3.77	-70.62	-13.00	-57.62	Peak
2	578.036	-79.57	11.17	-68.40	-13.00	-55.40	Peak
3	986.044	-80.75	17.51	-63.24	-13.00	-50.24	Peak

LTE Band 4/ 15 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	47.703	-69.41	-5.30	-74.71	-13.00	-61.71	Peak
2	112.427	-67.44	-3.77	-71.21	-13.00	-58.21	Peak
3	527.571	-76.41	10.24	-66.17	-13.00	-53.17	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	45.733	-72.88	-4.44	-77.32	-13.00	-64.32	Peak
2	111.640	-68.31	-3.81	-72.12	-13.00	-59.12	Peak
3	468.165	-77.32	9.17	-68.15	-13.00	-55.15	Peak

LTE Band 4/ 15 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-68.75	-3.77	-72.52	-13.00	-59.52	Peak
2	130.305	-69.91	-3.03	-72.94	-13.00	-59.94	Peak
3	698.804	-78.89	12.76	-66.13	-13.00	-53.13	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.96	-3.81	-71.77	-13.00	-58.77	Peak
2	633.328	-79.26	12.07	-67.19	-13.00	-54.19	Peak
3	952.000	-80.10	16.83	-63.27	-13.00	-50.27	Peak

LTE Band 4/ 15 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.050	-72.77	-3.21	-75.98	-13.00	-62.98	Peak
2	598.707	-79.34	11.58	-67.76	-13.00	-54.76	Peak
3	945.334	-80.56	16.65	-63.91	-13.00	-50.91	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-70.24	-3.81	-74.05	-13.00	-61.05	Peak
2	660.602	-79.48	12.44	-67.04	-13.00	-54.04	Peak
3	992.997	-80.13	17.62	-62.51	-13.00	-49.51	Peak

LTE Band 4/ 20 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	121.462	-68.90	-3.27	-72.17	-13.00	-59.17	Peak
2	145.811	-72.06	-2.49	-74.55	-13.00	-61.55	Peak
3	509.356	-78.33	9.87	-68.46	-13.00	-55.46	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	112.427	-67.93	-3.77	-71.70	-13.00	-58.70	Peak
2	121.462	-69.83	-3.27	-73.10	-13.00	-60.10	Peak
3	965.474	-80.25	17.15	-63.10	-13.00	-50.10	Peak

LTE Band 4/ 20 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	130.305	-69.16	-3.03	-72.19	-13.00	-59.19	Peak
2	718.725	-79.40	12.97	-66.43	-13.00	-53.43	Peak
3	965.474	-80.20	17.15	-63.05	-13.00	-50.05	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	111.640	-67.80	-3.81	-71.61	-13.00	-58.61	Peak
2	250.486	-75.66	1.07	-74.59	-13.00	-61.59	Peak
3	615.774	-78.77	11.81	-66.96	-13.00	-53.96	Peak

LTE Band 4/ 20 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	124.925	-72.69	-3.18	-75.87	-13.00	-62.87	Peak
2	760.287	-79.55	13.54	-66.01	-13.00	-53.01	Peak
3	979.139	-80.93	17.39	-63.54	-13.00	-50.54	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	250.486	-76.77	1.07	-75.70	-13.00	-62.70	Peak
2	693.910	-79.32	12.69	-66.63	-13.00	-53.63	Peak
3	992.997	-80.72	17.62	-63.10	-13.00	-50.10	Peak

LTE Band 5/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	433.340	-86.42	34.07	-52.35	-13.00	-39.35	Peak
2	586.217	-87.20	36.97	-50.23	-13.00	-37.23	Peak
3	728.897	-86.85	39.25	-47.60	-13.00	-34.60	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.762	-84.90	30.19	-54.71	-13.00	-41.71	Peak
2	282.270	-86.98	30.37	-56.61	-13.00	-43.61	Peak
3	679.435	-87.00	38.79	-48.21	-13.00	-35.21	Peak

LTE Band 5/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	341.244	-87.81	31.88	-55.93	-13.00	-42.93	Peak
2	550.290	-87.00	35.98	-51.02	-13.00	-38.02	Peak
3	760.287	-86.36	40.00	-46.36	-13.00	-33.36	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	348.514	-88.40	32.12	-56.28	-13.00	-43.28	Peak
2	527.571	-87.69	35.83	-51.86	-13.00	-38.86	Peak
3	776.485	-87.10	40.06	-47.04	-13.00	-34.04	Peak

LTE Band 5/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	127.586	-87.50	26.63	-60.87	-13.00	-47.87	Peak
2	190.441	-86.76	27.89	-58.87	-13.00	-45.87	Peak
3	776.485	-87.44	40.06	-47.38	-13.00	-34.38	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.511	-85.32	30.36	-54.96	-13.00	-41.96	Peak
2	655.977	-87.13	38.23	-48.90	-13.00	-35.90	Peak
3	749.676	-86.63	39.58	-47.05	-13.00	-34.05	Peak

LTE Band 5/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	30.855	-89.64	33.89	-55.75	-13.00	-42.75	Peak
2	270.616	-87.60	30.05	-57.55	-13.00	-44.55	Peak
3	527.571	-86.72	35.83	-50.89	-13.00	-37.89	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.511	-85.05	30.36	-54.69	-13.00	-41.69	Peak
2	502.247	-87.55	35.38	-52.17	-13.00	-39.17	Peak
3	718.725	-86.73	38.97	-47.76	-13.00	-34.76	Peak

LTE Band 5/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	240.144	-88.41	29.30	-59.11	-13.00	-46.11	Peak
2	531.291	-87.12	35.90	-51.22	-13.00	-38.22	Peak
3	749.676	-87.41	39.58	-47.83	-13.00	-34.83	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.263	-85.06	30.52	-54.54	-13.00	-41.54	Peak
2	430.305	-88.26	34.03	-54.23	-13.00	-41.23	Peak
3	760.287	-86.60	40.00	-46.60	-13.00	-33.60	Peak

LTE Band 5/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	151.025	-87.38	27.01	-60.37	-13.00	-47.37	Peak
2	185.163	-87.30	28.15	-59.15	-13.00	-46.15	Peak
3	558.079	-86.14	36.10	-50.04	-13.00	-37.04	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.511	-85.59	30.36	-55.23	-13.00	-42.23	Peak
2	615.774	-87.33	37.92	-49.41	-13.00	-36.41	Peak
3	734.037	-87.78	39.28	-48.50	-13.00	-35.50	Peak

LTE Band 5/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.263	-89.31	30.52	-58.79	-13.00	-45.79	Peak
2	535.038	-87.33	35.96	-51.37	-13.00	-38.37	Peak
3	703.731	-87.53	39.09	-48.44	-13.00	-35.44	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.762	-86.11	30.19	-55.92	-13.00	-42.92	Peak
2	376.523	-88.08	32.54	-55.54	-13.00	-42.54	Peak
3	624.490	-87.15	38.02	-49.13	-13.00	-36.13	Peak

LTE Band 5/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	241.838	-88.13	29.30	-58.83	-13.00	-45.83	Peak
2	360.977	-86.86	32.10	-54.76	-13.00	-41.76	Peak
3	754.963	-87.02	39.79	-47.23	-13.00	-34.23	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.762	-86.45	30.19	-56.26	-13.00	-43.26	Peak
2	624.490	-87.09	38.02	-49.07	-13.00	-36.07	Peak
3	760.287	-86.97	40.00	-46.97	-13.00	-33.97	Peak

LTE Band 5/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	30.855	-90.34	33.89	-56.45	-13.00	-43.45	Peak
2	379.178	-88.04	32.71	-55.33	-13.00	-42.33	Peak
3	615.774	-87.77	37.92	-49.85	-13.00	-36.85	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.511	-84.62	30.36	-54.26	-13.00	-41.26	Peak
2	282.270	-87.44	30.37	-57.07	-13.00	-44.07	Peak
3	713.692	-86.93	38.97	-47.96	-13.00	-34.96	Peak

LTE Band 5/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	363.523	-87.32	32.11	-55.21	-13.00	-42.21	Peak
2	445.693	-87.22	34.11	-53.11	-13.00	-40.11	Peak
3	651.383	-86.76	38.08	-48.68	-13.00	-35.68	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.762	-84.98	30.19	-54.79	-13.00	-41.79	Peak
2	594.514	-87.66	37.32	-50.34	-13.00	-37.34	Peak
3	754.963	-86.75	39.79	-46.96	-13.00	-33.96	Peak

LTE Band 5/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	358.450	-87.62	32.11	-55.51	-13.00	-42.51	Peak
2	542.610	-86.58	36.02	-50.56	-13.00	-37.56	Peak
3	602.929	-86.36	37.69	-48.67	-13.00	-35.67	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	35.762	-85.28	30.19	-55.09	-13.00	-42.09	Peak
2	442.572	-87.49	34.13	-53.36	-13.00	-40.36	Peak
3	713.692	-87.20	38.97	-48.23	-13.00	-35.23	Peak

LTE Band 5/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	38.908	-87.72	28.63	-59.09	-13.00	-46.09	Peak
2	468.165	-87.11	34.52	-52.59	-13.00	-39.59	Peak
3	804.252	-86.39	40.30	-46.09	-13.00	-33.09	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	33.335	-89.03	31.92	-57.11	-13.00	-44.11	Peak
2	433.340	-86.92	34.07	-52.85	-13.00	-39.85	Peak
3	578.036	-86.01	36.74	-49.27	-13.00	-36.27	Peak

LTE Band 7/ 5 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	45.095	-71.35	-4.16	-75.51	-25.00	-50.51	Peak
2	703.731	-79.31	12.81	-66.50	-25.00	-41.50	Peak
3	899.958	-80.24	15.77	-64.47	-25.00	-39.47	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	89.787	-70.90	-5.10	-76.00	-25.00	-51.00	Peak
2	250.486	-76.80	1.07	-75.73	-25.00	-50.73	Peak
3	669.952	-79.47	12.48	-66.99	-25.00	-41.99	Peak

LTE Band 7/ 5 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	250.486	-77.25	1.07	-76.18	-25.00	-51.18	Peak
2	646.822	-79.68	12.27	-67.41	-25.00	-42.41	Peak
3	979.139	-80.08	17.39	-62.69	-25.00	-37.69	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	116.448	-72.97	-3.52	-76.49	-25.00	-51.49	Peak
2	684.226	-79.64	12.55	-67.09	-25.00	-42.09	Peak
3	979.139	-80.08	17.39	-62.69	-25.00	-37.69	Peak

LTE Band 7/ 5 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-72.39	-3.48	-75.87	-25.00	-50.87	Peak
2	250.486	-77.37	1.07	-76.30	-25.00	-51.30	Peak
3	899.958	-79.75	15.77	-63.98	-25.00	-38.98	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	116.448	-72.68	-3.52	-76.20	-25.00	-51.20	Peak
2	689.051	-80.39	12.62	-67.77	-25.00	-42.77	Peak
3	986.044	-80.19	17.51	-62.68	-25.00	-37.68	Peak

LTE Band 7/ 10 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	250.486	-77.58	1.07	-76.51	-25.00	-51.51	Peak
2	535.038	-78.69	10.39	-68.30	-25.00	-43.30	Peak
3	972.283	-80.50	17.27	-63.23	-25.00	-38.23	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	107.785	-72.59	-3.96	-76.55	-25.00	-51.55	Peak
2	230.230	-71.23	0.37	-70.86	-25.00	-45.86	Peak
3	754.963	-78.83	13.41	-65.42	-25.00	-40.42	Peak

LTE Band 7/ 10 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	101.893	-75.50	-4.12	-79.62	-25.00	-54.62	Peak
2	427.292	-79.89	8.32	-71.57	-25.00	-46.57	Peak
3	642.292	-79.50	12.22	-67.28	-25.00	-42.28	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	45.095	-71.91	-4.16	-76.07	-25.00	-51.07	Peak
2	744.427	-79.51	13.20	-66.31	-25.00	-41.31	Peak
3	906.304	-78.90	15.90	-63.00	-25.00	-38.00	Peak

LTE Band 7/ 10 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	47.703	-71.50	-5.30	-76.80	-25.00	-51.80	Peak
2	116.448	-73.51	-3.52	-77.03	-25.00	-52.03	Peak
3	856.760	-80.52	15.04	-65.48	-25.00	-40.48	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	116.448	-72.91	-3.52	-76.43	-25.00	-51.43	Peak
2	250.486	-76.76	1.07	-75.69	-25.00	-50.69	Peak
3	958.714	-80.62	17.02	-63.60	-25.00	-38.60	Peak

LTE Band 7/ 15 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	118.096	-73.36	-3.44	-76.80	-25.00	-51.80	Peak
2	384.545	-75.69	6.72	-68.97	-25.00	-43.97	Peak
3	881.184	-79.46	15.30	-64.16	-25.00	-39.16	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-72.77	-3.48	-76.25	-25.00	-51.25	Peak
2	250.486	-77.13	1.07	-76.06	-25.00	-51.06	Peak
3	906.304	-80.05	15.90	-64.15	-25.00	-39.15	Peak

LTE Band 7/ 15 MHz _Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-73.60	-3.48	-77.08	-25.00	-52.08	Peak
2	516.565	-79.91	10.02	-69.89	-25.00	-44.89	Peak
3	728.897	-80.06	13.04	-67.02	-25.00	-42.02	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	116.448	-72.47	-3.52	-75.99	-25.00	-50.99	Peak
2	856.760	-80.20	15.04	-65.16	-25.00	-40.16	Peak
3	992.997	-80.83	17.62	-63.21	-25.00	-38.21	Peak

LTE Band 7/ 15 MHz _Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	47.703	-69.95	-5.30	-75.25	-25.00	-50.25	Peak
2	250.486	-76.99	1.07	-75.92	-25.00	-50.92	Peak
3	578.036	-75.75	11.17	-64.58	-25.00	-39.58	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-72.84	-3.48	-76.32	-25.00	-51.32	Peak
2	250.486	-77.19	1.07	-76.12	-25.00	-51.12	Peak
3	862.802	-79.35	15.11	-64.24	-25.00	-39.24	Peak

LTE Band 7/ 20 MHz _Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-73.34	-3.48	-76.82	-25.00	-51.82	Peak
2	565.978	-79.92	10.92	-69.00	-25.00	-44.00	Peak
3	952.000	-80.00	16.83	-63.17	-25.00	-38.17	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	250.486	-77.46	1.07	-76.39	-25.00	-51.39	Peak
2	550.290	-78.78	10.64	-68.14	-25.00	-43.14	Peak
3	958.714	-80.62	17.02	-63.60	-25.00	-38.60	Peak

LTE Band 7/ 20 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-74.07	-3.48	-77.55	-25.00	-52.55	Peak
2	594.514	-79.71	11.50	-68.21	-25.00	-43.21	Peak
3	868.886	-80.21	15.16	-65.05	-25.00	-40.05	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	116.448	-73.04	-1.94	-74.98	-25.00	-49.98	Peak
2	231.853	-72.16	0.41	-71.75	-25.00	-46.75	Peak
3	578.036	-76.03	7.47	-68.56	-25.00	-43.56	Peak

LTE Band 7/ 20 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	117.269	-73.20	-3.48	-76.68	-25.00	-51.68	Peak
2	320.331	-77.60	3.58	-74.02	-25.00	-49.02	Peak
3	862.802	-79.90	15.11	-64.79	-25.00	-39.79	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	116.448	-75.16	-3.52	-78.68	-25.00	-53.68	Peak
2	250.486	-78.48	1.07	-77.41	-25.00	-52.41	Peak
3	952.000	-81.06	16.83	-64.23	-25.00	-39.23	Peak

5.8.2 Radiated Emission Test Data (Above 1GHz)

GSM 850 1Tx-slot_Lowest Channel

Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1674.504	-32.54	2.59	-29.95	-13.00	-16.95	Peak
2	2497.244	-47.59	9.16	-38.43	-13.00	-25.43	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1674.504	-37.33	4.32	-33.01	-13.00	-20.01	Peak
2	2497.244	-42.03	11.47	-30.56	-13.00	-17.56	Peak

GSM 850 1Tx-slot_Middle Channel

Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-32.38	2.53	-29.85	-13.00	-16.85	Peak
2	2497.244	-40.74	9.16	-31.58	-13.00	-18.58	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-40.66	4.22	-36.44	-13.00	-23.44	Peak
2	2497.244	-45.30	11.47	-33.83	-13.00	-20.83	Peak

GSM 850 1Tx-slot_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1697.600	-36.07	2.78	-33.29	-13.00	-20.29	Peak
2	2546.400	-44.75	9.22	-35.53	-13.00	-22.53	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1697.600	-30.43	4.59	-25.84	-13.00	-12.84	Peak
2	2546.400	-39.89	11.45	-28.44	-13.00	-15.44	Peak

GSM 1900 1Tx-slot_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-47.98	13.74	-34.24	-13.00	-21.24	Peak
2	5521.982	-39.83	16.05	-23.78	-13.00	-10.78	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-53.46	15.08	-38.38	-13.00	-25.38	Peak
2	5521.982	-42.23	16.95	-25.28	-13.00	-12.28	Peak

GSM 1900 1Tx-slot_Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-49.94	13.85	-36.09	-13.00	-23.09	Peak
2	5618.776	-40.95	16.04	-24.91	-13.00	-11.91	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-51.38	15.25	-36.13	-13.00	-23.13	Peak
2	5618.776	-41.77	16.91	-24.86	-13.00	-11.86	Peak

GSM 1900 1Tx-slot_Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-47.33	13.97	-33.36	-13.00	-20.36	Peak
2	5717.266	-41.38	16.33	-25.05	-13.00	-12.05	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-53.34	15.42	-37.92	-13.00	-24.92	Peak
2	5717.266	-39.21	17.19	-22.02	-13.00	-9.02	Peak

WCDMA Band II RMC 12.2Kbps_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3704.800	-67.47	13.78	-53.69	-13.00	-40.69	Peak
2	5557.200	-67.29	16.01	-51.28	-13.00	-38.28	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3704.800	-67.89	15.14	-52.75	-13.00	-39.75	Peak
2	5557.200	-68.59	16.90	-51.69	-13.00	-38.69	Peak

WCDMA Band II RMC 12.2Kbps_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-61.49	13.85	-47.64	-13.00	-34.64	Peak
2	5640.000	-68.99	16.10	-52.89	-13.00	-39.89	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-61.54	15.25	-46.29	-13.00	-33.29	Peak
2	5640.000	-68.10	16.97	-51.13	-13.00	-38.13	Peak

WCDMA Band II RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3815.200	-66.65	13.97	-52.68	-13.00	-39.68	Peak
2	5722.800	-68.10	16.35	-51.75	-13.00	-38.75	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3815.200	-66.55	15.43	-51.12	-13.00	-38.12	Peak
2	5722.800	-68.16	17.21	-50.95	-13.00	-37.95	Peak

WCDMA Band V RMC 12.2Kbps_Lowest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1652.800	-60.99	2.43	-58.56	-13.00	-45.56	Peak
2	2497.244	-60.31	9.16	-51.15	-13.00	-38.15	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1652.800	-60.94	4.08	-56.86	-13.00	-43.86	Peak
2	2497.244	-56.38	11.47	-44.91	-13.00	-31.91	Peak

WCDMA Band V RMC 12.2Kbps_Middle Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1672.800	-61.26	2.59	-58.67	-13.00	-45.67	Peak
2	2509.200	-63.56	9.17	-54.39	-13.00	-41.39	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1672.800	-62.56	4.31	-58.25	-13.00	-45.25	Peak
2	2497.244	-57.00	11.47	-45.53	-13.00	-32.53	Peak

WCDMA Band V RMC 12.2Kbps_Highest Channel
Horizontal

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1693.200	-60.10	2.75	-57.35	-13.00	-44.35	Peak
2	2539.800	-62.38	9.22	-53.16	-13.00	-40.16	Peak

Vertical

No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1693.200	-58.39	4.54	-53.85	-13.00	-40.85	Peak
2	2539.800	-62.59	11.45	-51.14	-13.00	-38.14	Peak

LTE Band 2/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-54.86	13.74	-41.12	-13.00	-28.12	Peak
2	5554.060	-40.80	16.02	-24.78	-13.00	-11.78	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-54.21	15.08	-39.13	-13.00	-26.13	Peak
2	5554.060	-46.08	16.90	-29.18	-13.00	-16.18	Peak

LTE Band 2/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-49.78	14.27	-35.51	-13.00	-22.51	Peak
2	5618.776	-51.16	16.64	-34.52	-13.00	-21.52	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-48.90	15.67	-33.23	-13.00	-20.23	Peak
2	5618.776	-44.77	17.51	-27.26	-13.00	-14.26	Peak

LTE Band 2/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-43.07	13.97	-29.10	-13.00	-16.10	Peak
2	5717.266	-42.42	16.33	-26.09	-13.00	-13.09	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-49.84	15.42	-34.42	-13.00	-21.42	Peak
2	5717.266	-45.59	17.19	-28.40	-13.00	-15.40	Peak

LTE Band 2/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3702.714	-56.43	13.77	-42.66	-13.00	-29.66	Peak
2	5554.060	-51.40	16.02	-35.38	-13.00	-22.38	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3702.714	-55.06	15.13	-39.93	-13.00	-26.93	Peak
2	5554.060	-46.14	16.90	-29.24	-13.00	-16.24	Peak

LTE Band 2/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-48.40	14.27	-34.13	-13.00	-21.13	Peak
2	5618.776	-54.04	16.64	-37.40	-13.00	-24.40	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-51.93	15.67	-36.26	-13.00	-23.26	Peak
2	5618.776	-52.47	17.51	-34.96	-13.00	-21.96	Peak

LTE Band 2/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-45.92	13.97	-31.95	-13.00	-18.95	Peak
2	5717.266	-44.41	16.33	-28.08	-13.00	-15.08	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-49.84	15.42	-34.42	-13.00	-21.42	Peak
2	5717.266	-45.59	17.19	-28.40	-13.00	-15.40	Peak

LTE Band 2/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-52.29	13.74	-38.55	-13.00	-25.55	Peak
2	5521.982	-39.26	16.05	-23.21	-13.00	-10.21	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-53.34	15.08	-38.26	-13.00	-25.26	Peak
2	5521.982	-39.25	16.95	-22.30	-13.00	-9.30	Peak

LTE Band 2/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-43.00	14.27	-28.73	-13.00	-15.73	Peak
2	5618.776	-48.21	16.64	-31.57	-13.00	-18.57	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-51.44	15.67	-35.77	-13.00	-22.77	Peak
2	5618.776	-48.83	17.51	-31.32	-13.00	-18.32	Peak

LTE Band 2/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-45.92	13.97	-31.95	-13.00	-18.95	Peak
2	5717.266	-44.41	16.33	-28.08	-13.00	-15.08	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3811.519	-50.87	15.42	-35.45	-13.00	-22.45	Peak
2	5717.266	-42.89	17.19	-25.70	-13.00	-12.70	Peak

LTE Band 2/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-52.24	13.74	-38.50	-13.00	-25.50	Peak
2	5521.982	-42.66	16.05	-26.61	-13.00	-13.61	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-53.30	15.08	-38.22	-13.00	-25.22	Peak
2	5554.060	-40.18	16.90	-23.28	-13.00	-10.28	Peak

LTE Band 2/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-48.34	13.85	-34.49	-13.00	-21.49	Peak
2	5618.776	-42.24	16.04	-26.20	-13.00	-13.20	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-56.43	15.25	-41.18	-13.00	-28.18	Peak
2	5618.776	-50.95	16.91	-34.04	-13.00	-21.04	Peak

LTE Band 2/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3789.505	-54.47	13.94	-40.53	-13.00	-27.53	Peak
2	5684.246	-40.88	16.23	-24.65	-13.00	-11.65	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3789.505	-55.11	15.37	-39.74	-13.00	-26.74	Peak
2	5684.246	-40.29	17.09	-23.20	-13.00	-10.20	Peak

LTE Band 2/ 15 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-51.38	13.74	-37.64	-13.00	-24.64	Peak
2	5554.060	-41.22	16.02	-25.20	-13.00	-12.20	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3681.329	-54.37	15.08	-39.29	-13.00	-26.29	Peak
2	5554.060	-42.72	16.90	-25.82	-13.00	-12.82	Peak

LTE Band 2/ 15 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3767.619	-48.73	13.88	-34.85	-13.00	-21.85	Peak
2	5651.416	-41.45	16.13	-25.32	-13.00	-12.32	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3767.619	-52.53	15.30	-37.23	-13.00	-24.23	Peak
2	5651.416	-44.43	17.00	-27.43	-13.00	-14.43	Peak

LTE Band 2/ 15 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3789.505	-51.33	13.94	-37.39	-13.00	-24.39	Peak
2	5684.246	-38.11	16.23	-21.88	-13.00	-8.88	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3789.505	-55.63	15.37	-40.26	-13.00	-27.26	Peak
2	5684.246	-42.33	17.09	-25.24	-13.00	-12.24	Peak

LTE Band 2/ 20 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3702.714	-51.96	13.77	-38.19	-13.00	-25.19	Peak
2	5554.060	-41.47	16.02	-25.45	-13.00	-12.45	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3702.714	-54.49	15.13	-39.36	-13.00	-26.36	Peak
2	5554.060	-41.14	16.90	-24.24	-13.00	-11.24	Peak

LTE Band 2/ 20 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-51.85	13.85	-38.00	-13.00	-25.00	Peak
2	5618.776	-41.74	16.04	-25.70	-13.00	-12.70	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3745.858	-51.18	15.25	-35.93	-13.00	-22.93	Peak
2	5618.776	-44.10	16.91	-27.19	-13.00	-14.19	Peak

LTE Band 2/ 20 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3767.619	-49.70	13.88	-35.82	-13.00	-22.82	Peak
2	5651.416	-35.02	16.13	-18.89	-13.00	-5.89	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3767.619	-56.65	15.30	-41.35	-13.00	-28.35	Peak
2	5651.416	-42.31	17.00	-25.31	-13.00	-12.31	Peak

LTE Band 4/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3421.400	-55.98	12.42	-43.56	-13.00	-30.56	Peak
2	5132.100	-45.39	16.09	-29.30	-13.00	-16.30	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3421.400	-55.75	13.67	-42.08	-13.00	-29.08	Peak
2	5132.100	-49.40	17.07	-32.33	-13.00	-19.33	Peak

LTE Band 4/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.000	-68.98	12.74	-56.24	-13.00	-43.24	Peak
2	5197.500	-45.96	16.21	-29.75	-13.00	-16.75	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.000	-59.23	13.97	-45.26	-13.00	-32.26	Peak
2	5197.500	-46.14	17.17	-28.97	-13.00	-15.97	Peak

LTE Band 4/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3494.334	-54.57	12.96	-41.61	-13.00	-28.61	Peak
2	5241.490	-38.19	16.20	-21.99	-13.00	-8.99	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3494.334	-57.33	14.17	-43.16	-13.00	-30.16	Peak
2	5241.490	-44.51	17.15	-27.36	-13.00	-14.36	Peak

LTE Band 4/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3423.000	-54.31	12.44	-41.87	-13.00	-28.87	Peak
2	5134.500	-43.66	16.09	-27.57	-13.00	-14.57	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3423.000	-53.78	13.69	-40.09	-13.00	-27.09	Peak
2	5134.500	-48.76	17.07	-31.69	-13.00	-18.69	Peak

LTE Band 4/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-61.61	12.66	-48.95	-13.00	-35.95	Peak
2	5181.120	-42.64	16.18	-26.46	-13.00	-13.46	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3465.000	-57.56	13.97	-43.59	-13.00	-30.59	Peak
2	5197.500	-46.51	17.17	-29.34	-13.00	-16.34	Peak

LTE Band 4/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3494.334	-55.17	12.96	-42.21	-13.00	-29.21	Peak
2	5241.490	-42.02	16.20	-25.82	-13.00	-12.82	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3494.334	-55.24	14.17	-41.07	-13.00	-28.07	Peak
2	5241.490	-44.08	17.15	-26.93	-13.00	-13.93	Peak

LTE Band 4/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3425.000	-54.37	12.45	-41.92	-13.00	-28.92	Peak
2	5137.500	-43.64	16.11	-27.53	-13.00	-14.53	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3425.000	-53.41	13.70	-39.71	-13.00	-26.71	Peak
2	5137.500	-48.43	17.08	-31.35	-13.00	-18.35	Peak

LTE Band 4/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-69.07	12.66	-56.41	-13.00	-43.41	Peak
2	5181.120	-44.79	16.18	-28.61	-13.00	-15.61	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-58.19	13.89	-44.30	-13.00	-31.30	Peak
2	5181.120	-43.07	17.14	-25.93	-13.00	-12.93	Peak

LTE Band 4/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3494.334	-52.38	12.96	-39.42	-13.00	-26.42	Peak
2	5241.490	-40.71	16.20	-24.51	-13.00	-11.51	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3494.334	-57.71	14.17	-43.54	-13.00	-30.54	Peak
2	5241.490	-45.75	17.15	-28.60	-13.00	-15.60	Peak

LTE Band 4/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3430.000	-54.75	12.49	-42.26	-13.00	-29.26	Peak
2	5145.000	-43.44	16.11	-27.33	-13.00	-14.33	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3430.000	-53.61	13.73	-39.88	-13.00	-26.88	Peak
2	5145.000	-47.90	17.09	-30.81	-13.00	-17.81	Peak

LTE Band 4/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-58.65	12.66	-45.99	-13.00	-32.99	Peak
2	5181.120	-40.09	16.18	-23.91	-13.00	-10.91	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-57.24	13.89	-43.35	-13.00	-30.35	Peak
2	5181.120	-42.79	17.14	-25.65	-13.00	-12.65	Peak

LTE Band 4/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3474.153	-56.40	12.81	-43.59	-13.00	-30.59	Peak
2	5241.490	-46.81	16.20	-30.61	-13.00	-17.61	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3474.153	-54.53	14.03	-40.50	-13.00	-27.50	Peak
2	5241.490	-46.35	17.15	-29.20	-13.00	-16.20	Peak

LTE Band 4/ 15 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3435.000	-52.95	12.52	-40.43	-13.00	-27.43	Peak
2	5152.500	-44.37	16.12	-28.25	-13.00	-15.25	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3435.000	-55.09	13.76	-41.33	-13.00	-28.33	Peak
2	5152.500	-47.49	17.09	-30.40	-13.00	-17.40	Peak

LTE Band 4/ 15 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-58.39	12.66	-45.73	-13.00	-32.73	Peak
2	5181.120	-41.46	16.18	-25.28	-13.00	-12.28	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-56.65	13.89	-42.76	-13.00	-29.76	Peak
2	5181.120	-43.96	17.14	-26.82	-13.00	-13.82	Peak

LTE Band 4/ 15 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3474.153	-52.24	12.81	-39.43	-13.00	-26.43	Peak
2	5241.490	-42.50	16.20	-26.30	-13.00	-13.30	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3474.153	-57.70	14.03	-43.67	-13.00	-30.67	Peak
2	5241.490	-42.26	17.15	-25.11	-13.00	-12.11	Peak

LTE Band 4/ 20 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3440.000	-51.75	12.56	-39.19	-13.00	-26.19	Peak
2	5160.000	-43.77	16.14	-27.63	-13.00	-14.63	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3440.000	-52.41	13.80	-38.61	-13.00	-25.61	Peak
2	5160.000	-46.70	17.11	-29.59	-13.00	-16.59	Peak

LTE Band 4/ 20 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-57.87	12.66	-45.21	-13.00	-32.21	Peak
2	5181.120	-40.12	16.18	-23.94	-13.00	-10.94	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3454.087	-57.20	13.89	-43.31	-13.00	-30.31	Peak
2	5181.120	-42.09	17.14	-24.95	-13.00	-11.95	Peak

LTE Band 4/ 20 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3474.153	-58.04	12.81	-45.23	-13.00	-32.23	Peak
2	5211.218	-43.02	16.20	-26.82	-13.00	-13.82	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	3474.153	-56.05	14.03	-42.02	-13.00	-29.02	Peak
2	5211.218	-43.89	17.16	-26.73	-13.00	-13.73	Peak

LTE Band 5/ 1.4 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-53.76	2.38	-51.38	-13.00	-38.38	Peak
2	2468.481	-44.33	9.16	-35.17	-13.00	-22.17	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-58.62	4.00	-54.62	-13.00	-41.62	Peak
2	2468.481	-51.66	11.49	-40.17	-13.00	-27.17	Peak

LTE Band 5/ 1.4 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-48.35	2.53	-45.82	-13.00	-32.82	Peak
2	2497.244	-45.81	9.16	-36.65	-13.00	-23.65	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-57.18	4.22	-52.96	-13.00	-39.96	Peak
2	2497.244	-43.91	11.47	-32.44	-13.00	-19.44	Peak

LTE Band 5/ 1.4 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1694.016	-53.69	2.75	-50.94	-13.00	-37.94	Peak
2	2541.018	-47.24	9.22	-38.02	-13.00	-25.02	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1694.016	-50.80	4.55	-46.25	-13.00	-33.25	Peak
2	2541.018	-47.69	11.45	-36.24	-13.00	-23.24	Peak

LTE Band 5/ 3 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-53.37	2.38	-50.99	-13.00	-37.99	Peak
2	2468.481	-48.43	9.16	-39.27	-13.00	-26.27	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-57.53	4.00	-53.53	-13.00	-40.53	Peak
2	2468.481	-45.68	11.49	-34.19	-13.00	-21.19	Peak

LTE Band 5/ 3 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-52.71	2.53	-50.18	-13.00	-37.18	Peak
2	2497.244	-45.36	9.16	-36.20	-13.00	-23.20	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-57.45	4.22	-53.23	-13.00	-40.23	Peak
2	2497.244	-45.71	11.47	-34.24	-13.00	-21.24	Peak

LTE Band 5/ 3 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1694.016	-52.78	2.75	-50.03	-13.00	-37.03	Peak
2	2541.018	-51.55	9.22	-42.33	-13.00	-29.33	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1694.016	-53.53	4.55	-48.98	-13.00	-35.98	Peak
2	2541.018	-49.51	11.45	-38.06	-13.00	-25.06	Peak

LTE Band 5/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-50.09	2.38	-47.71	-13.00	-34.71	Peak
2	2468.481	-43.01	9.16	-33.85	-13.00	-20.85	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1645.658	-56.52	4.00	-52.52	-13.00	-39.52	Peak
2	2468.481	-40.70	11.49	-29.21	-13.00	-16.21	Peak

LTE Band 5/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-49.12	2.53	-46.59	-13.00	-33.59	Peak
2	2497.244	-45.23	9.16	-36.07	-13.00	-23.07	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-58.35	4.22	-54.13	-13.00	-41.13	Peak
2	2497.244	-42.00	11.47	-30.53	-13.00	-17.53	Peak

LTE Band 5/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1694.016	-56.56	2.75	-53.81	-13.00	-40.81	Peak
2	2541.018	-51.08	9.22	-41.86	-13.00	-28.86	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1694.016	-48.87	4.55	-44.32	-13.00	-31.32	Peak
2	2541.018	-56.45	11.45	-45.00	-13.00	-32.00	Peak

LTE Band 5/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1655.218	-54.32	2.45	-51.87	-13.00	-38.87	Peak
2	2482.821	-49.83	9.16	-40.67	-13.00	-27.67	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1655.218	-57.18	4.11	-53.07	-13.00	-40.07	Peak
2	2482.821	-56.72	11.48	-45.24	-13.00	-32.24	Peak

LTE Band 5/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-55.80	2.53	-53.27	-13.00	-40.27	Peak
2	2497.244	-43.31	9.16	-34.15	-13.00	-21.15	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-55.61	4.22	-51.39	-13.00	-38.39	Peak
2	2497.244	-48.16	11.47	-36.69	-13.00	-23.69	Peak

LTE Band 5/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-56.22	2.53	-53.69	-13.00	-40.69	Peak
2	2526.342	-52.50	9.19	-43.31	-13.00	-30.31	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	1664.833	-50.94	4.22	-46.72	-13.00	-33.72	Peak
2	2526.342	-53.15	11.45	-41.70	-13.00	-28.70	Peak

LTE Band 7/ 5 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5005.000	-67.25	15.87	-51.38	-25.00	-26.38	Peak
2	7507.500	-66.29	19.08	-47.21	-25.00	-22.21	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5005.000	-67.29	16.86	-50.43	-25.00	-25.43	Peak
2	7507.500	-66.10	18.48	-47.62	-25.00	-22.62	Peak

LTE Band 7/ 5 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-70.76	15.98	-54.78	-25.00	-29.78	Peak
2	7605.000	-66.04	19.09	-46.95	-25.00	-21.95	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-69.34	16.97	-52.37	-25.00	-27.37	Peak
2	7605.000	-66.39	18.47	-47.92	-25.00	-22.92	Peak

LTE Band 7/ 5 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5135.000	-68.85	16.09	-52.76	-25.00	-27.76	Peak
2	7702.500	-65.04	19.11	-45.93	-25.00	-20.93	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5135.000	-67.52	17.07	-50.45	-25.00	-25.45	Peak
2	7702.500	-66.87	18.47	-48.40	-25.00	-23.40	Peak

LTE Band 7/ 10 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5010.000	-67.85	15.88	-51.97	-25.00	-26.97	Peak
2	7515.000	-62.78	19.08	-43.70	-25.00	-18.70	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5010.000	-66.47	16.88	-49.59	-25.00	-24.59	Peak
2	7515.000	-65.03	18.47	-46.56	-25.00	-21.56	Peak

LTE Band 7/ 10 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-68.90	15.98	-52.92	-25.00	-27.92	Peak
2	7593.669	-53.51	19.09	-34.42	-25.00	-9.42	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-67.52	16.97	-50.55	-25.00	-25.55	Peak
2	7605.000	-60.28	18.47	-41.81	-25.00	-16.81	Peak

LTE Band 7/ 10 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5130.000	-69.34	16.09	-53.25	-25.00	-28.25	Peak
2	7695.000	-66.50	19.11	-47.39	-25.00	-22.39	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5130.000	-66.82	17.06	-49.76	-25.00	-24.76	Peak
2	7695.000	-63.91	18.47	-45.44	-25.00	-20.44	Peak

LTE Band 7/ 15 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5015.000	-66.54	15.88	-50.66	-25.00	-25.66	Peak
2	7522.500	-63.38	19.09	-44.29	-25.00	-19.29	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5015.000	-66.70	16.88	-49.82	-25.00	-24.82	Peak
2	7522.500	-62.71	18.48	-44.23	-25.00	-19.23	Peak

LTE Band 7/ 15 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-69.03	15.98	-53.05	-25.00	-28.05	Peak
2	7605.000	-66.23	19.09	-47.14	-25.00	-22.14	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-69.27	16.97	-52.30	-25.00	-27.30	Peak
2	7605.000	-66.12	18.47	-47.65	-25.00	-22.65	Peak

LTE Band 7/ 15 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5125.000	-69.80	16.08	-53.72	-25.00	-28.72	Peak
2	7687.500	-64.78	19.10	-45.68	-25.00	-20.68	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5125.000	-68.27	17.06	-51.21	-25.00	-26.21	Peak
2	7687.500	-65.91	18.47	-47.44	-25.00	-22.44	Peak

LTE Band 7/ 20 MHz _Lowest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5020.000	-68.68	15.89	-52.79	-25.00	-27.79	Peak
2	7530.000	-65.34	19.08	-46.26	-25.00	-21.26	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5020.000	-69.64	16.89	-52.75	-25.00	-27.75	Peak
2	7530.000	-65.47	18.48	-46.99	-25.00	-21.99	Peak

LTE Band 7/ 20 MHz _Middle Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-69.89	15.98	-53.91	-25.00	-28.91	Peak
2	7605.000	-65.49	19.09	-46.40	-25.00	-21.40	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.000	-69.81	16.97	-52.84	-25.00	-27.84	Peak
2	7605.000	-65.67	18.47	-47.20	-25.00	-22.20	Peak

LTE Band 7/ 20 MHz _Highest Channel							
Horizontal							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5120.000	-68.79	16.07	-52.72	-25.00	-27.72	Peak
2	7680.000	-63.41	19.10	-44.31	-25.00	-19.31	Peak

Vertical							
No.	Frequency (MHz)	Reading (dBm)	Correction factor (dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5120.000	-68.03	17.05	-50.98	-25.00	-25.98	Peak
2	7680.000	-65.35	18.47	-46.88	-25.00	-21.88	Peak

5.9 FREQUENCY STABILITY

Test Requirement: FCC 47 CFR Part 2.1055 & FCC 47 CFR Part 22.355 & FCC 47 CFR Part 24.235

Test Method: ANSI/TIA-603-E-2016 & KDB 971168 D01v03r01

Limits: The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

Test Setup: Refer to section 4.2.2 for details.

Test Procedures:

- 1) Use CMW 500 or CMU 200 with Frequency Error measurement capability.
 - a) Temp. = -30° to $+50^{\circ}\text{C}$
 - b) Voltage = low voltage, 3.6 Vdc, Normal, 3.8 Vdc and High voltage, 4.35 Vdc.

2) Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

3) Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

Equipment Used: Refer to section 3 for details.

Test Result: Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature ($^{\circ}\text{C}$)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
GSM 850 1Tx-slot							
GMSK	190 / 836.6	VL	TN	-9	-0.0108	± 2.5	Pass
		VN		-7	-0.0084	± 2.5	Pass
		VH		-13	-0.0155	± 2.5	Pass
		VN	50	-8	-0.0096	± 2.5	Pass
			40	-13	-0.0155	± 2.5	Pass
			30	-11	-0.0131	± 2.5	Pass
			20	9	0.0108	± 2.5	Pass
			10	4	0.0048	± 2.5	Pass
			0	7	0.0084	± 2.5	Pass
			-10	11	0.0131	± 2.5	Pass
			-20	5	0.0060	± 2.5	Pass
			-30	12	0.0143	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
EDGE 850 1Tx-slot							
8PSK	190 / 836.6	VL	TN	-9	-0.0108	± 2.5	Pass
		VN		-8	-0.0096	± 2.5	Pass
		VH		-11	-0.0131	± 2.5	Pass
		VN	50	-13	-0.0155	± 2.5	Pass
			40	-8	-0.0096	± 2.5	Pass
			30	9	0.0108	± 2.5	Pass
			20	11	0.0131	± 2.5	Pass
			10	5	0.0060	± 2.5	Pass
			0	8	0.0096	± 2.5	Pass
			-10	4	0.0048	± 2.5	Pass
			-20	4	0.0048	± 2.5	Pass
			-30	9	0.0108	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
WCDMA Band V RMC 12.2Kbps							
BPSK	4182 / 836.4	VL	TN	-11	-0.0132	± 2.5	Pass
		VN		-6	-0.0072	± 2.5	Pass
		VH		-5	-0.0060	± 2.5	Pass
		VN	50	-13	-0.0155	± 2.5	Pass
			40	-9	-0.0108	± 2.5	Pass
			30	8	0.0096	± 2.5	Pass
			20	7	0.0084	± 2.5	Pass
			10	9	0.0108	± 2.5	Pass
			0	13	0.0155	± 2.5	Pass
			-10	4	0.0048	± 2.5	Pass
			-20	7	0.0084	± 2.5	Pass
			-30	4	0.0048	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
GSM 1900 1Tx-slot							
GMSK	661 / 1880.0	VL	TN	12	0.0064	Note 1	Pass
		VN		-5	-0.0027		Pass
		VH		-9	-0.0048		Pass
		VN	50	-13	-0.0069		Pass
			40	-13	-0.0069		Pass
			30	-7	-0.0037		Pass
			20	9	0.0048		Pass
			10	5	0.0027		Pass
			0	4	0.0021		Pass
			-10	6	0.0032		Pass
			-20	5	0.0027		Pass
			-30	8	0.0043		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
EDGE 1900 1Tx-slot							
8PSK	661 / 1880.0	VL	TN	-9	-0.0048	Note 1	Pass
		VN		-11	-0.0059		Pass
		VH		-7	-0.0037		Pass
		VN	50	-9	-0.0048		Pass
			40	-11	-0.0059		Pass
			30	-12	-0.0064		Pass
			20	7	0.0037		Pass
			10	5	0.0027		Pass
			0	9	0.0048		Pass
			-10	7	0.0037		Pass
			-20	7	0.0037		Pass
			-30	6	0.0032		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
WCDMA Band II RMC 12.2Kbps							
BPSK	9400 / 1880.0	VL	TN	-9	-0.0048	Note 1	Pass
		VN		-9	-0.0048		Pass
		VH		-4	-0.0021		Pass
		VN	50	-8	-0.0043		Pass
			40	11	0.0059		Pass
			30	10	0.0053		Pass
			20	7	0.0037		Pass
			10	5	0.0027		Pass
			0	8	0.0043		Pass
			-10	8	0.0043		Pass
			-20	6	0.0032		Pass
			-30	5	0.0027		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
WCDMA Band IV RMC 12.2Kbps							
BMSK	1412 / 1732.4	VL	TN	-9	-0.0052	Note 1	Pass
		VN		-9	-0.0052		Pass
		VH		-7	-0.0040		Pass
		VN	50	-6	-0.0035		Pass
			40	-12	-0.0069		Pass
			30	-10	-0.0058		Pass
			20	9	0.0052		Pass
			10	8	0.0046		Pass
			0	3	0.0017		Pass
			-10	6	0.0035		Pass
			-20	7	0.0040		Pass
			-30	6	0.0035		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 2 / 20MHz / Full RB							
QPSK	18900 / 1880.0	VL	TN	-9	-0.0048	Note 1	Pass
		VN		-11	-0.0059		Pass
		VH		-8	-0.0043		Pass
		VN	50	-13	-0.0069		Pass
			40	-13	-0.0069		Pass
			30	9	0.0048		Pass
			20	8	0.0043		Pass
			10	8	0.0043		Pass
			0	3	0.0016		Pass
			-10	7	0.0037		Pass
			-20	5	0.0027		Pass
			-30	11	0.0059		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 4 / 20MHz / Full RB							
QPSK	20175 / 1732.5	VL	TN	-9	-0.0052	Note 1	Pass
		VN		-8	-0.0046		Pass
		VH		-7	-0.0040		Pass
		VN	50	9	0.0052		Pass
			40	12	0.0069		Pass
			30	9	0.0052		Pass
			20	-4	-0.0023		Pass
			10	-7	-0.0040		Pass
			0	-7	-0.0040		Pass
			-10	8	0.0046		Pass
			-20	7	0.0040		Pass
			-30	6	0.0035		Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 5 / 10MHz / Full RB							
QPSK	20525 / 836.5	VL	TN	-8	-0.0096	± 2.5	Pass
		VN		-9	-0.0108	± 2.5	Pass
		VH		-7	-0.0084	± 2.5	Pass
		VN	50	-11	-0.0132	± 2.5	Pass
			40	-13	-0.0155	± 2.5	Pass
			30	-12	-0.0143	± 2.5	Pass
			20	-9	-0.0108	± 2.5	Pass
			10	9	0.0108	± 2.5	Pass
			0	9	0.0108	± 2.5	Pass
			-10	7	0.0084	± 2.5	Pass
			-20	8	0.0096	± 2.5	Pass
			-30	7	0.0084	± 2.5	Pass

Modulation	Channel/ Frequency (MHz)	Voltage (Vdc)	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Limit (ppm)	Pass/ Fail
LTE Band 7 / 20MHz / Full RB							
QPSK	21100 / 2535	VL	TN	-9	-0.0036	Note 1	Pass
		VN		-7	-0.0028		Pass
		VH		-5	-0.0020		Pass
		VN	50	-11	-0.0043		Pass
			40	-13	-0.0051		Pass
			30	-9	-0.0036		Pass
			20	7	0.0028		Pass
			10	5	0.0020		Pass
			0	9	0.0036		Pass
			-10	7	0.0028		Pass
			-20	7	0.0028		Pass
			-30	6	0.0024		Pass

Note1: The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of UnionTrust, this report can't be reproduced except in full.
