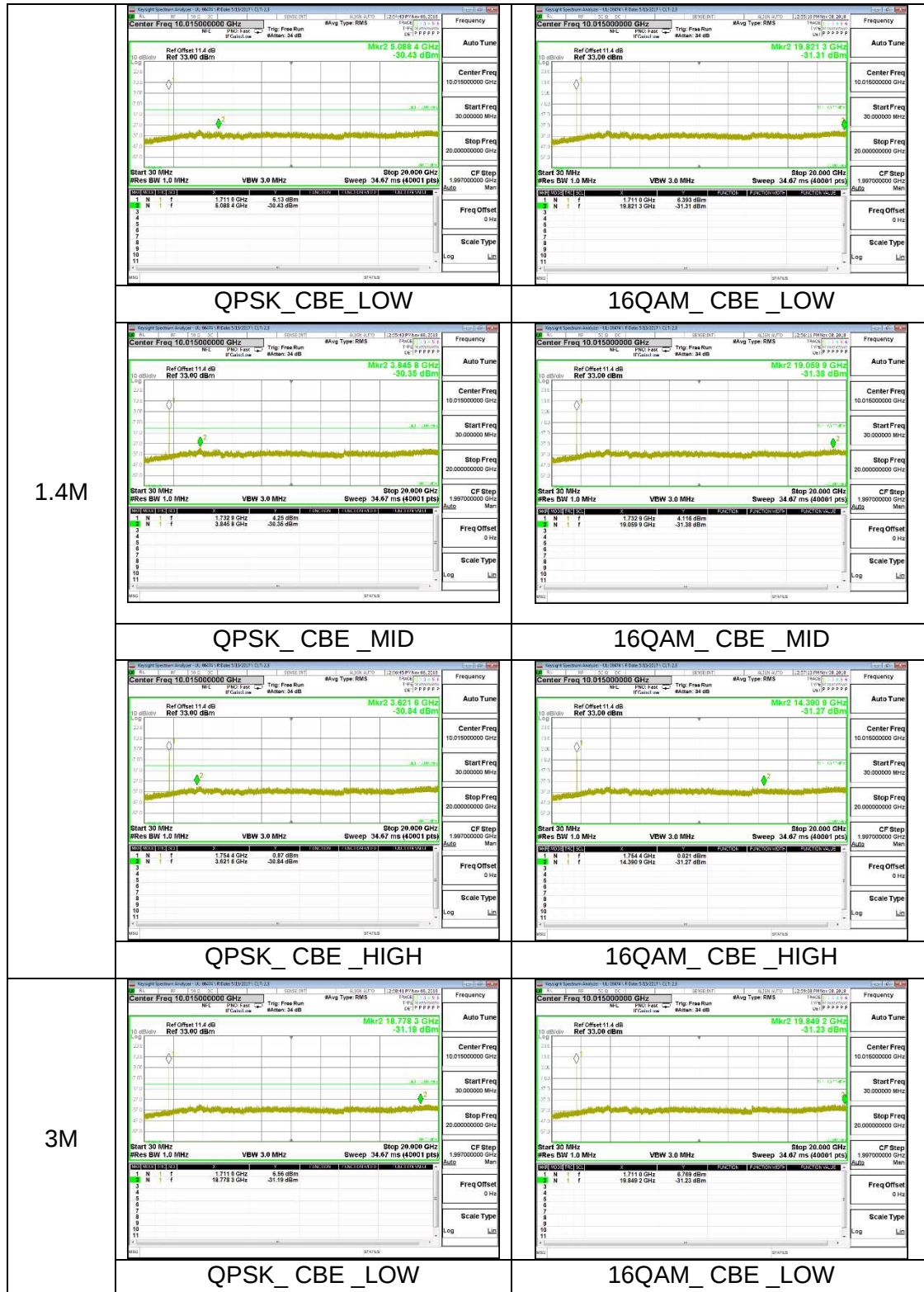
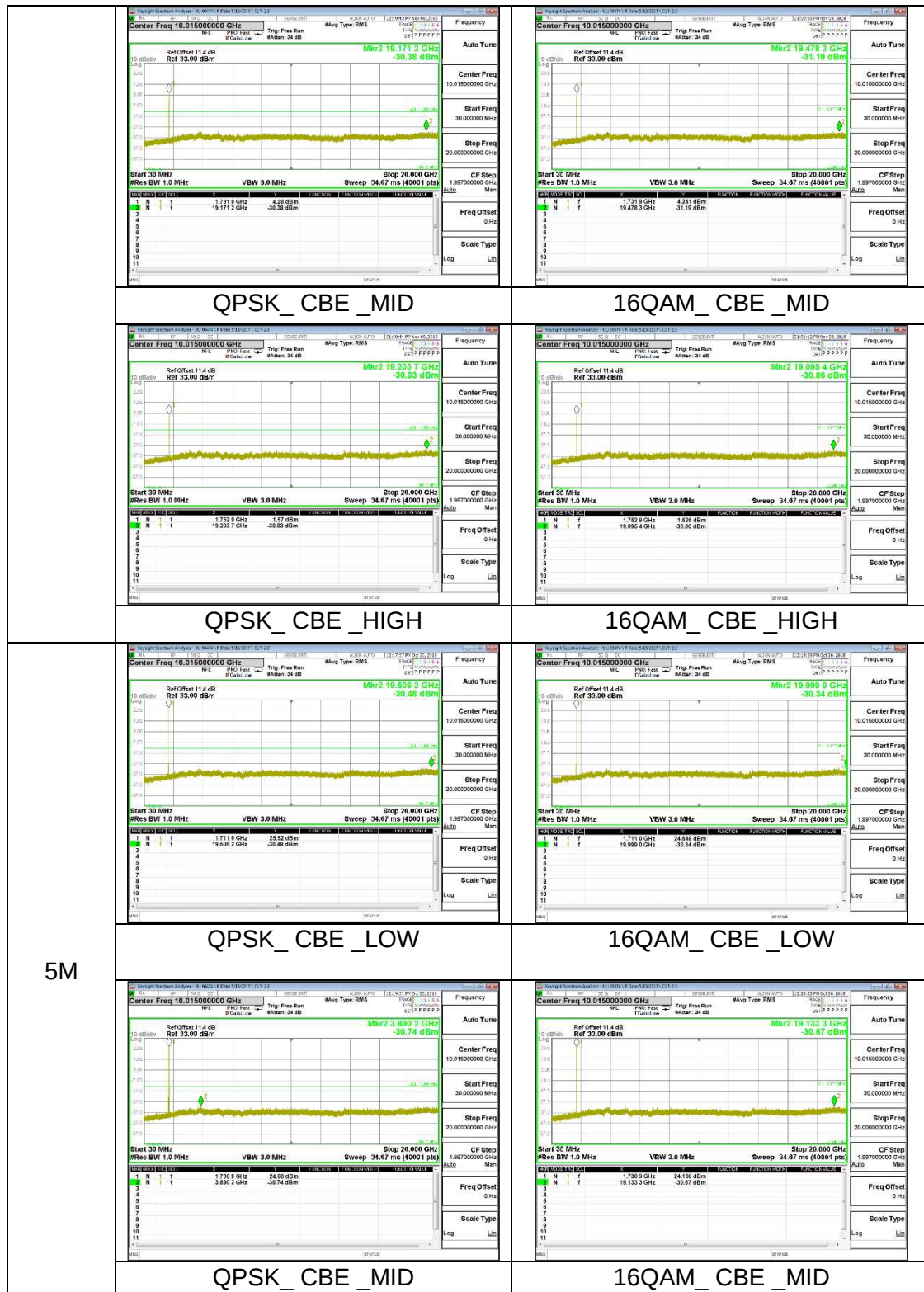
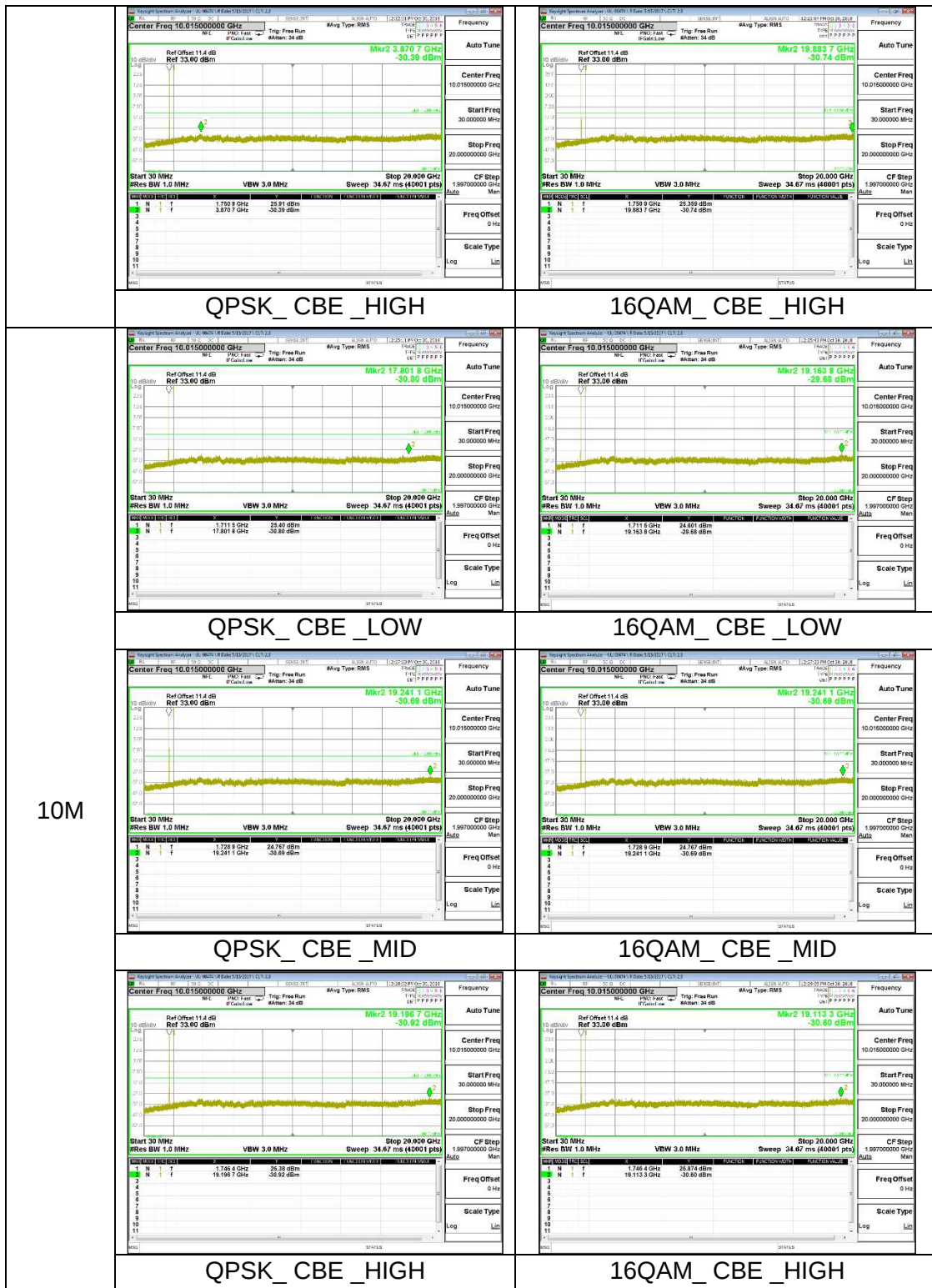


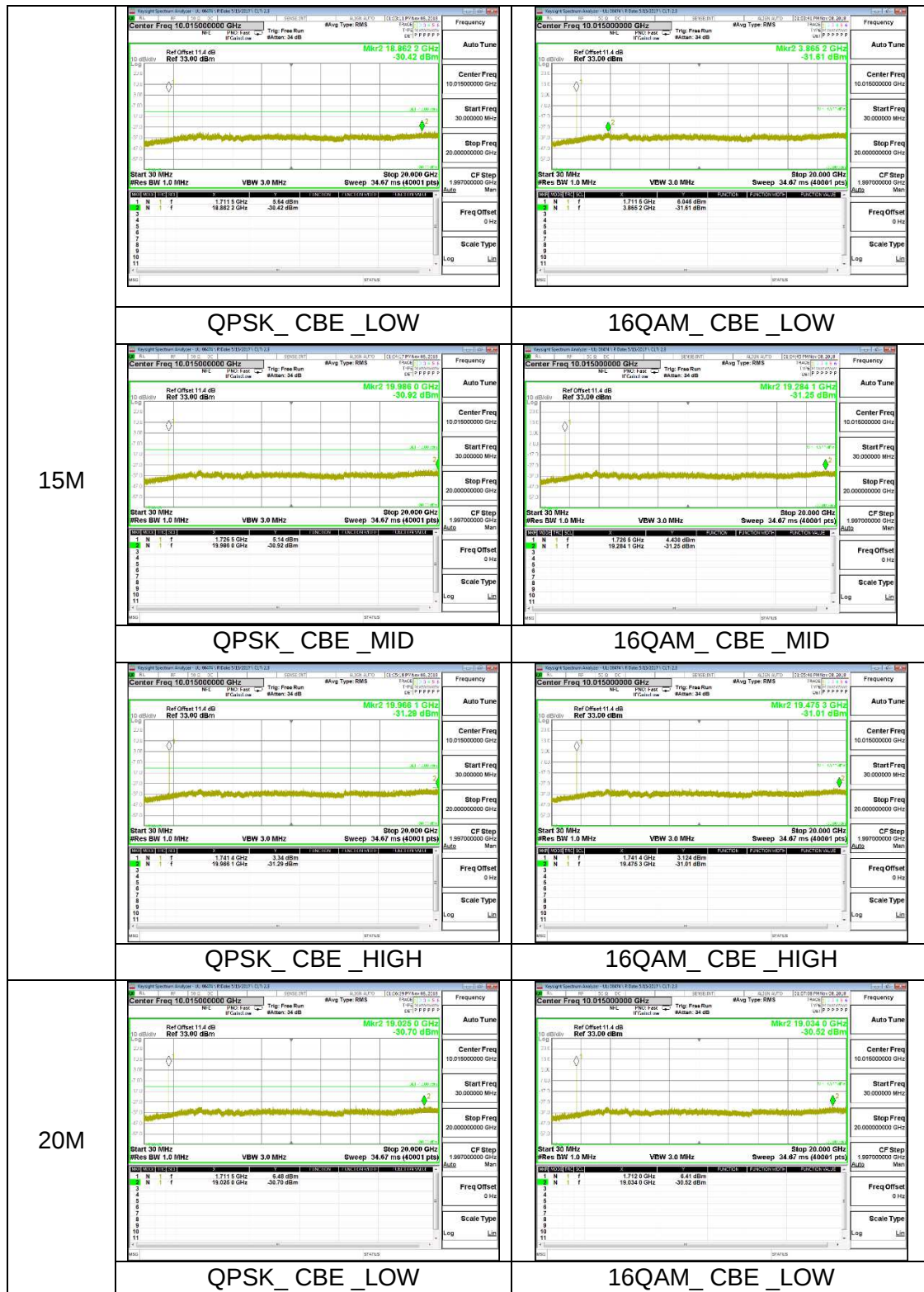
LTE Band4



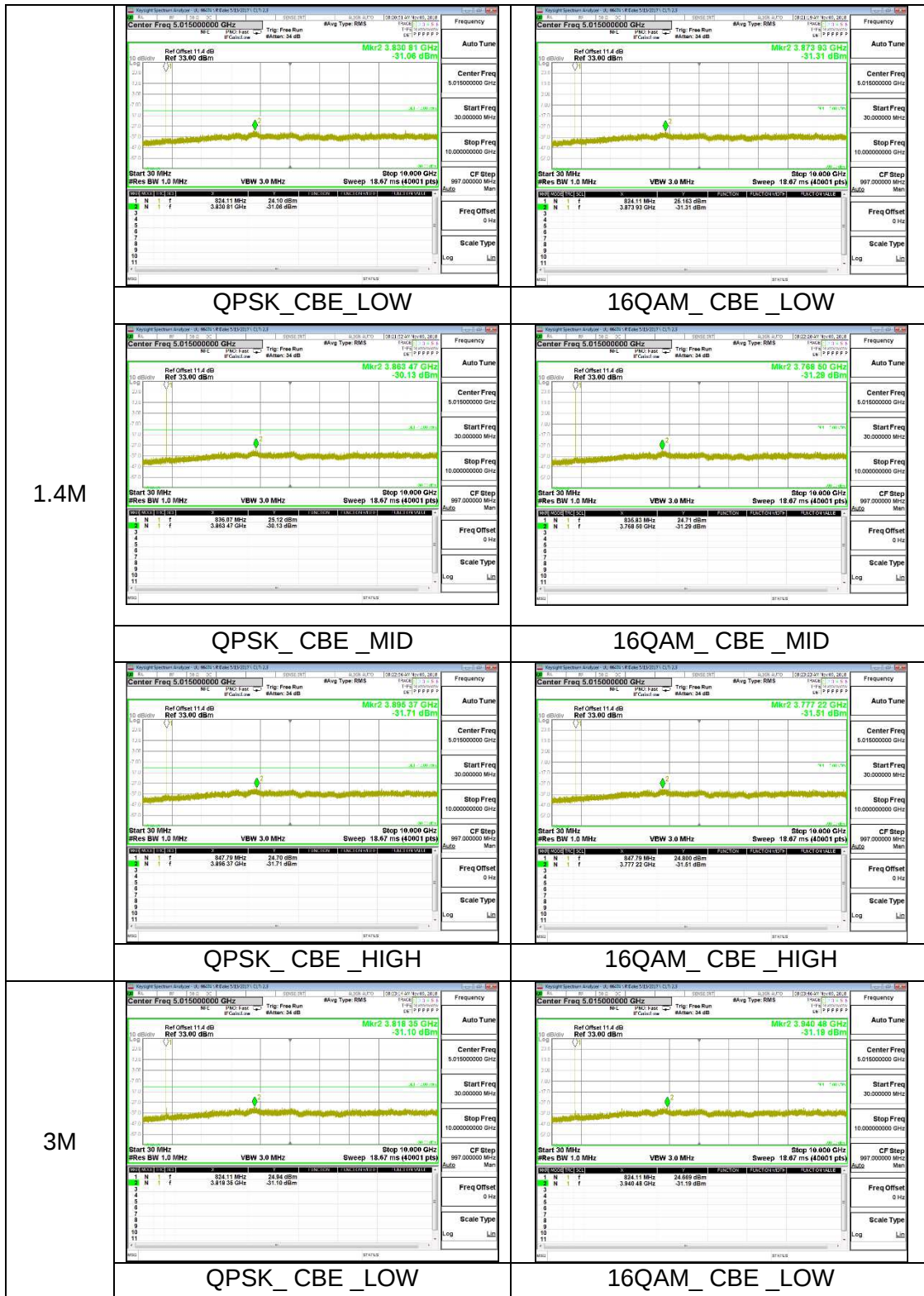


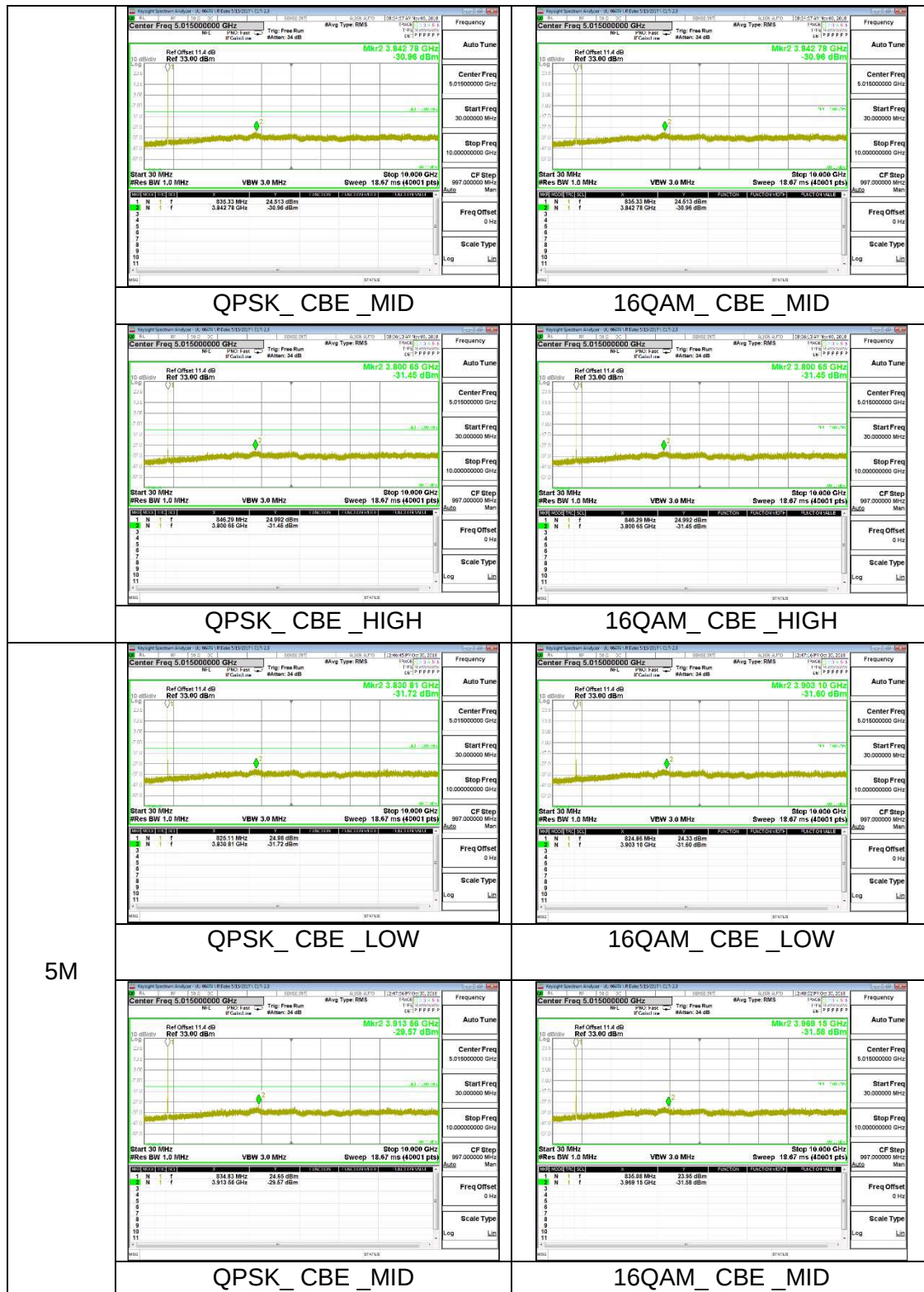
5M

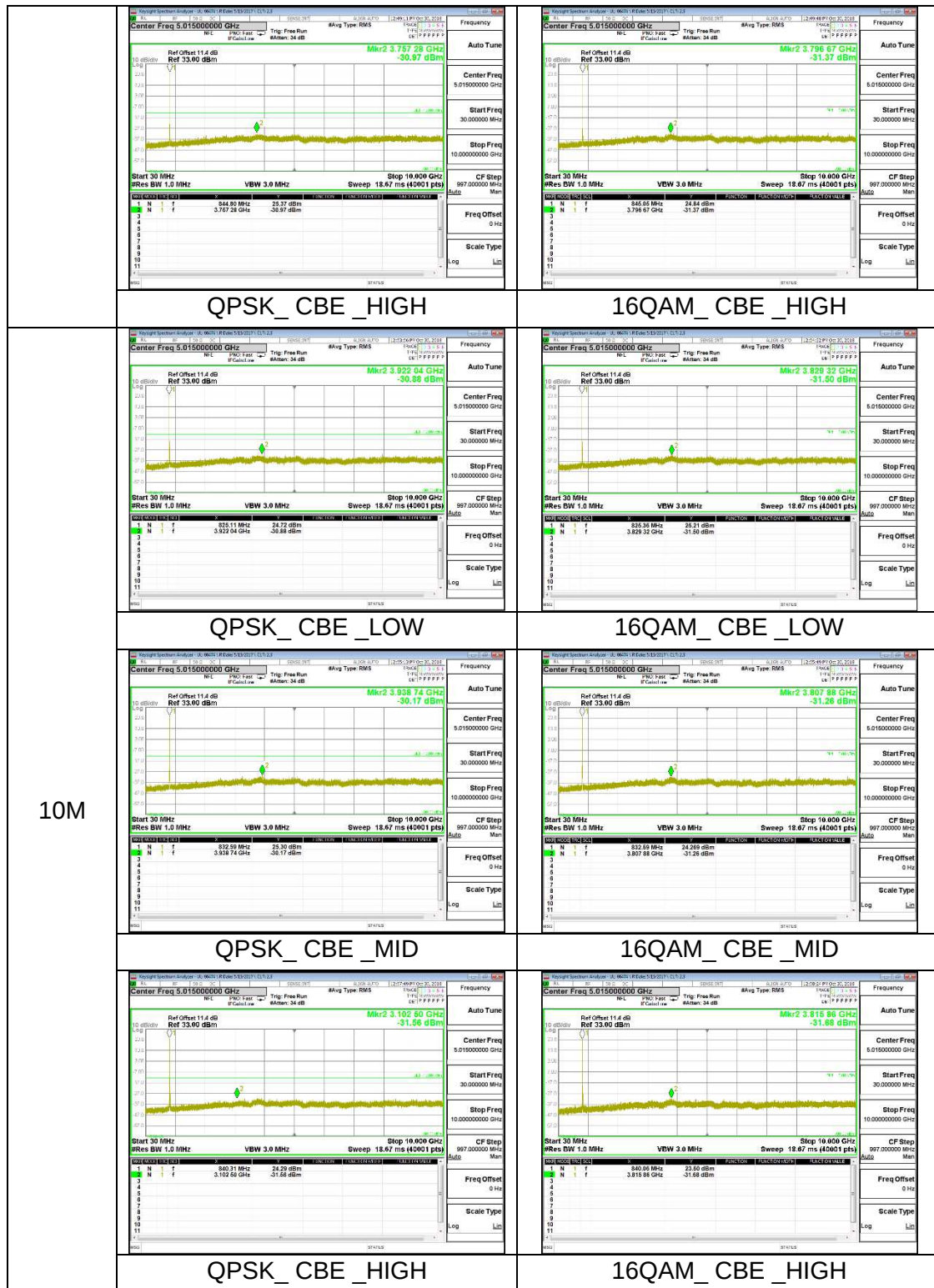




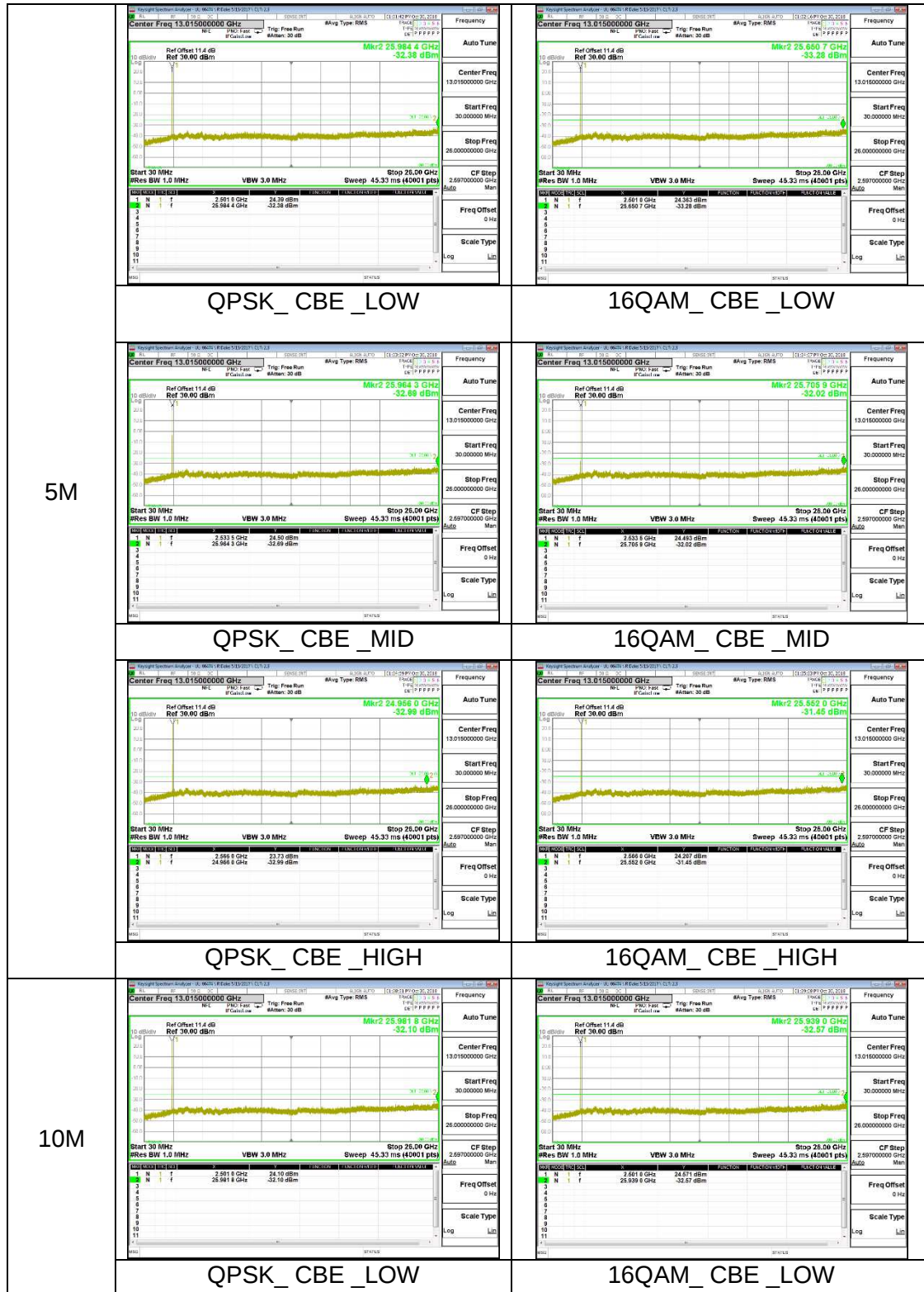
LTE Band5

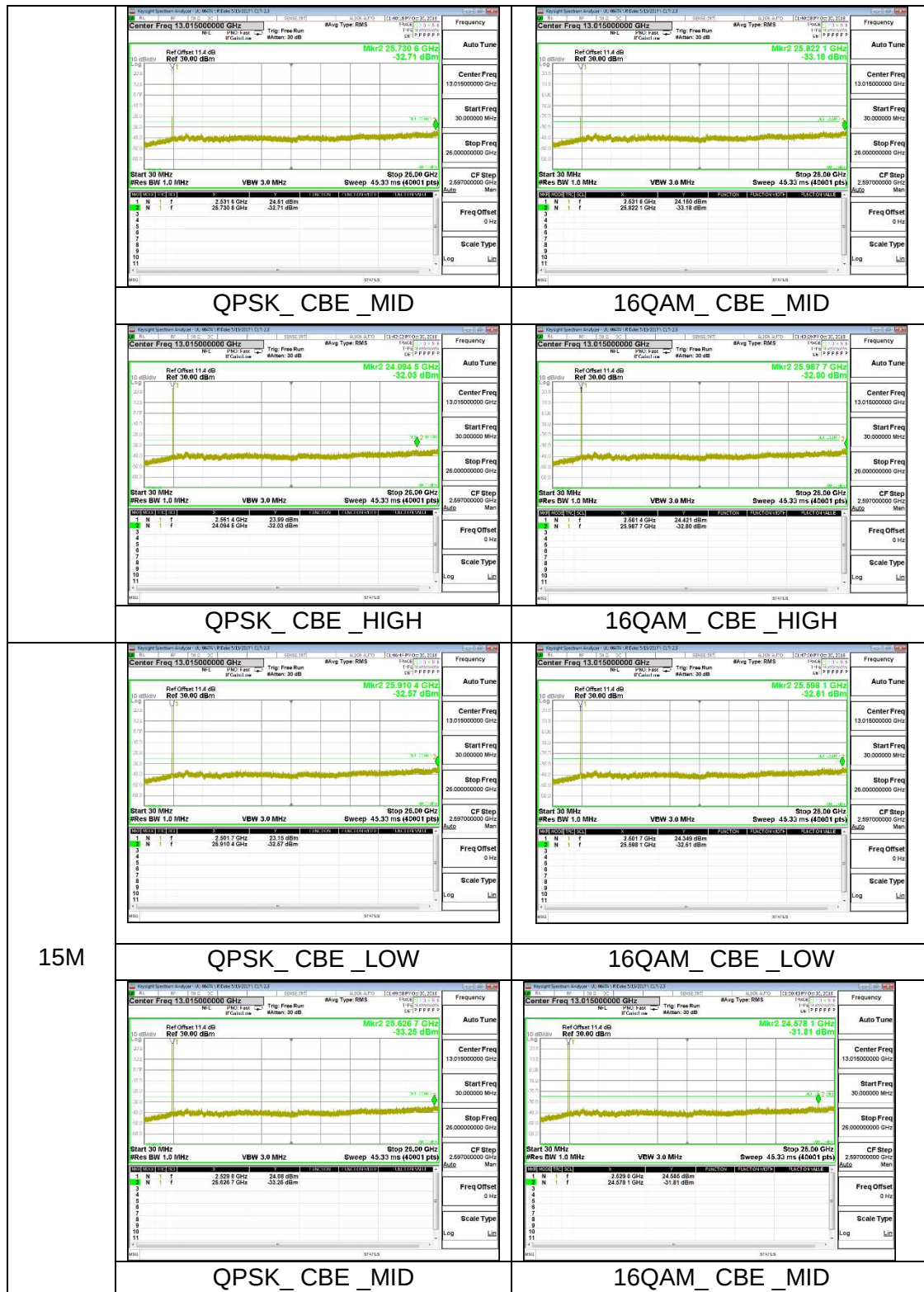


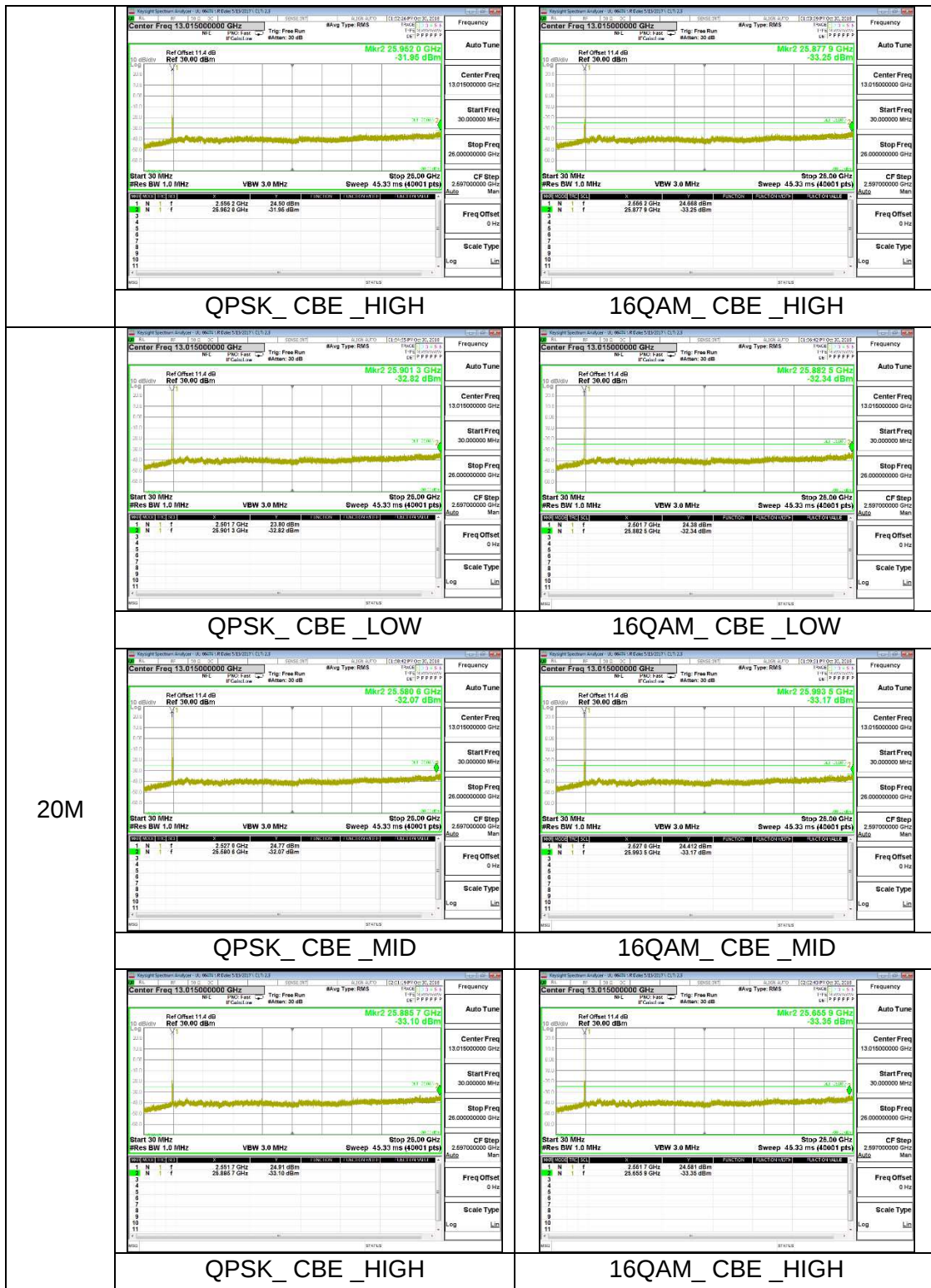




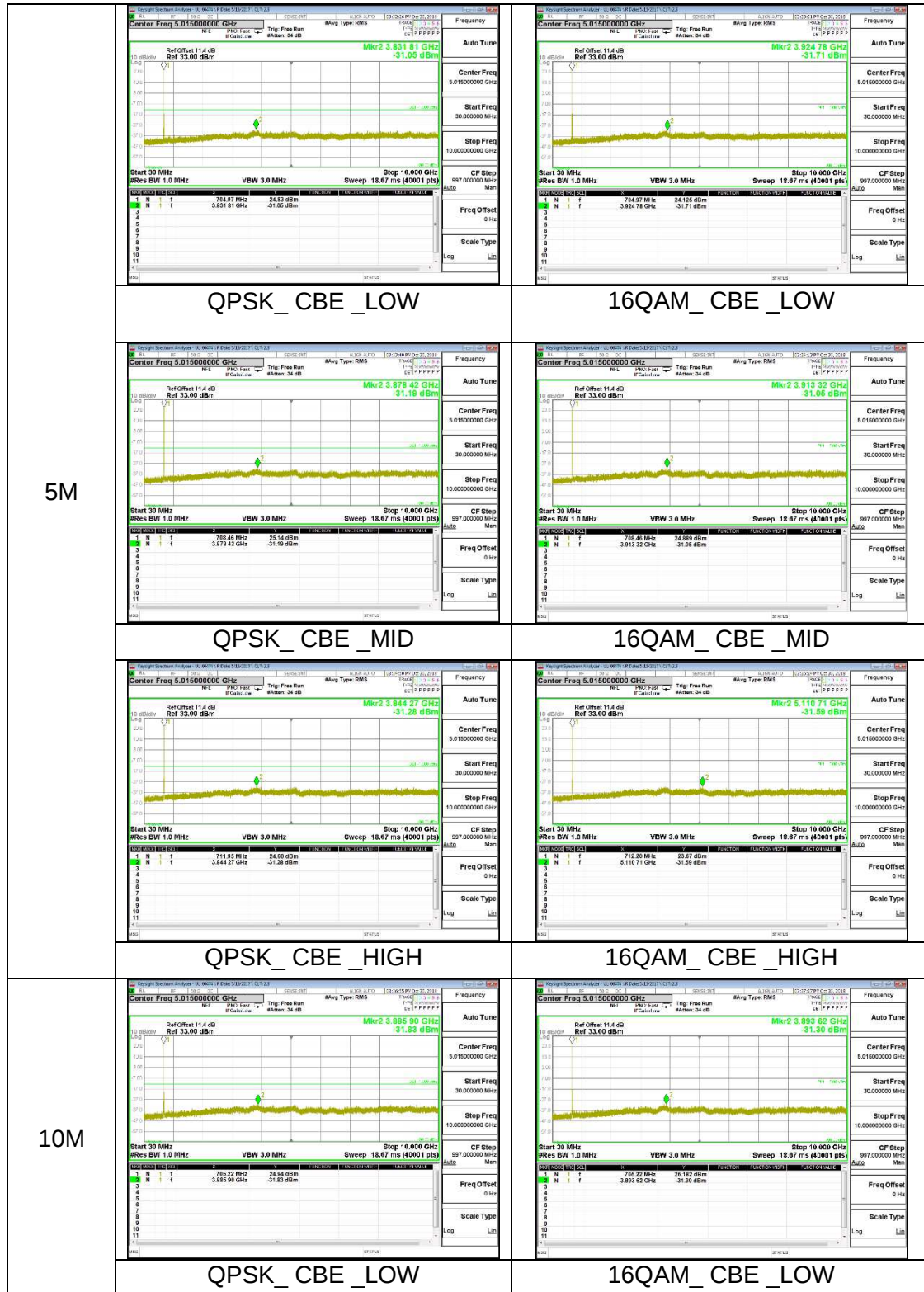
LTE Band7

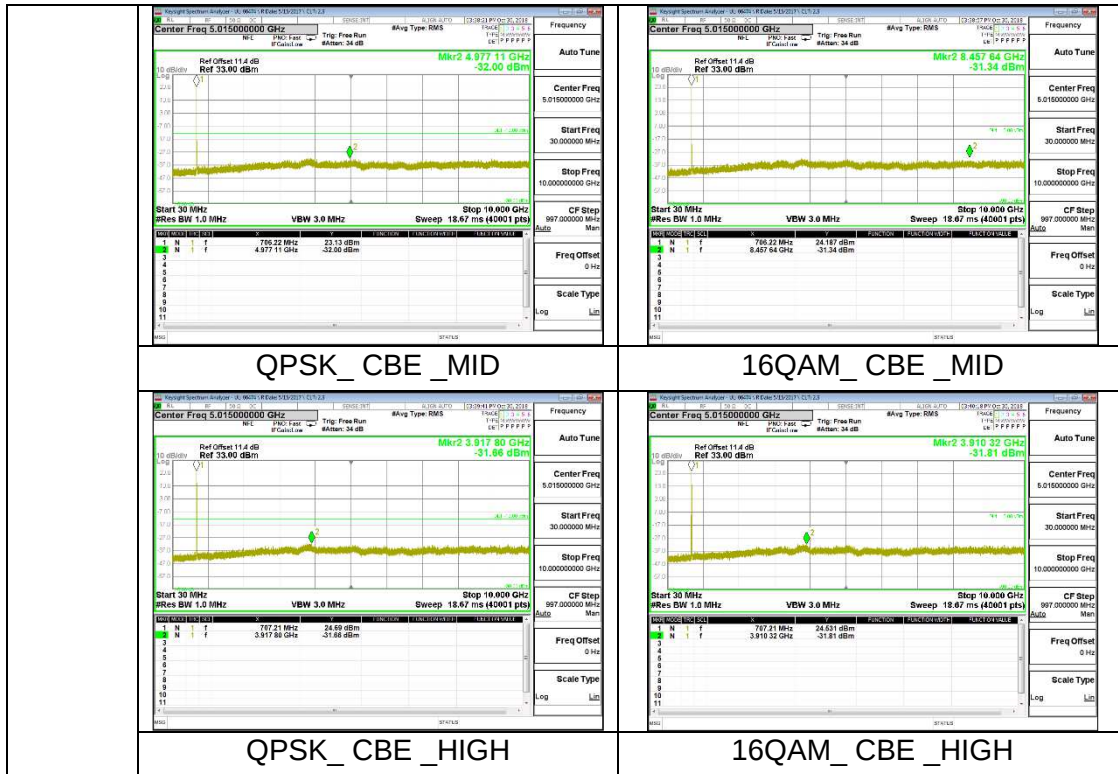






LTE Band17





6.7 FIELD STRENGTH OF SPURIOUS RADIATION

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53

LIMIT

Part §22.917(a), §24.238(a), §27.53(h)

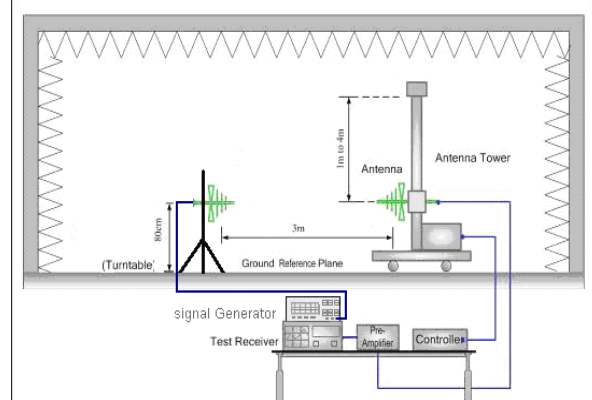
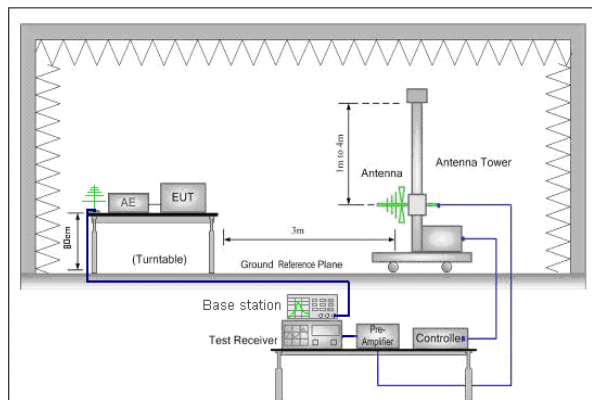
The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

Part §27.53(m)

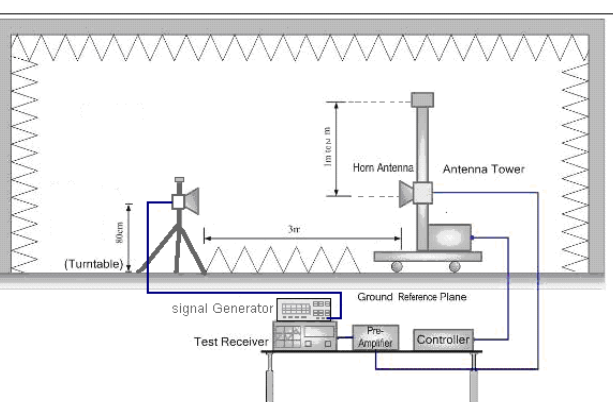
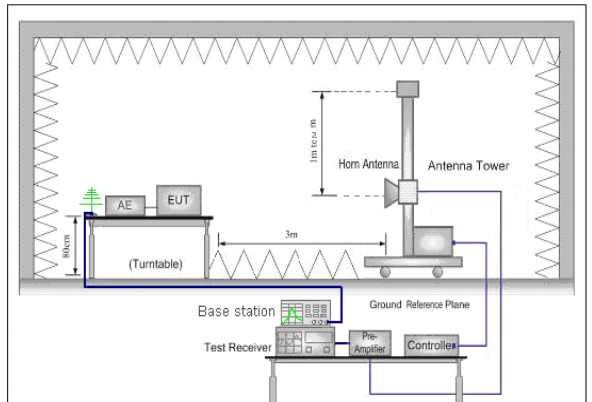
At least $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

TEST SETUP

Test Setup for Below 1G



Test Setup for Above 1G



TEST PROCEDURE

KDB 971168 D01 Section 7

Below 1GHz test procedure as below:

1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.

3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Calculate power in dBm by the following formula:
$$\text{ERP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBd)}$$

Where:

P_d is the dipole equivalent power, P_g is the generator output into the substitution antenna, and the antenna gain is the gain of the substitute antenna used relative to either a half-wave dipole (dBd) or an isotropic source (dBi). The substitute level is equal to $P_g \text{ [dBm]} - \text{cable loss [dB]}$. The calculated P_d levels are then compared to the absolute spurious emission limit of -13dBm which is equivalent to the required minimum attenuation of $43 + 10\log_{10}(\text{Power [Watts]})$.

Above 1GHz test procedure as below:

1. The EUT was placed on a rotatable wooden table with 0.8 meter above ground.
2. The EUT was set 3 meters from the receiving antenna, which was mounted on the antenna tower.
3. The table was rotated 360 degrees to determine the position of the highest spurious emission.
4. The height of the receiving antenna is varied between one meter and four meters to search the maximum spurious emission for both horizontal and vertical polarizations.
5. Taking the record of maximum spurious emission.
6. A horn antenna was substituted in place of the EUT and was driven by a signal generator.
7. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission.
8. Taking the record of output power at antenna port.
9. Repeat step 7 to step 8 for another polarization.
10. Calculate power in dBm by the following formula:
$$\text{EIRP(dBm)} = \text{Pg(dBm)} - \text{cable loss (dB)} + \text{antenna gain (dBi)}$$
$$\text{EIRP} = \text{ERP} + 2.15\text{dB}$$

Where: P_g is the generator output power into the substitution antenna.

11. The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)\text{dB}$ below the transmitter power $P(\text{Watts})$

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$

NOTE 1: Radiated spurious emissions were investigated below 30MHz, 30MHz – 1GHz and above 1GHz. There were no emissions found on below 30MHz and 30MHz – 1GHz.

Although these tests were performed other than open area test site, adequate comparison measurements were confirmed against 30 m open area test site.

Therefore sufficient tests were made to demonstrate that the alternative site produces results that correlate with the one of tests made in an open field based on KDB 414788.

NOTE 2: Please refer to section 5.4 for bandwidth and RB setting about LTE bands.

RESULTS

See the following pages

Radiated spurious emissions results between 30MHz and 1GHz

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
57.16	-77.14	-13.00	-64.14	Horizontal	39.70	-79.73	-13.00	-66.73	Vertical
189.08	-79.29	-13.00	-66.29	Horizontal	115.36	-82.40	-13.00	-69.40	Vertical
417.03	-76.94	-13.00	-63.94	Horizontal	164.83	-78.48	-13.00	-65.48	Vertical
539.25	-66.87	-13.00	-53.87	Horizontal	203.63	-79.42	-13.00	-66.42	Vertical
559.62	-56.21	-13.00	-43.21	Horizontal	375.32	-74.49	-13.00	-61.49	Vertical
585.81	-40.89	-13.00	-27.89	Horizontal	712.88	-45.00	-13.00	-32.00	Vertical
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
39.70	-78.06	-13.00	-65.06	Vertical	39.70	-78.06	-13.00	-65.06	Vertical
110.51	-82.98	-13.00	-69.98	Vertical	110.51	-82.98	-13.00	-69.98	Vertical
165.80	-78.24	-13.00	-65.24	Vertical	165.80	-78.24	-13.00	-65.24	Vertical
199.75	-78.99	-13.00	-65.99	Vertical	199.75	-78.99	-13.00	-65.99	Vertical
341.37	-79.40	-13.00	-66.40	Vertical	341.37	-79.40	-13.00	-66.40	Vertical
632.37	-71.11	-13.00	-58.11	Vertical	632.37	-71.11	-13.00	-58.11	Vertical
LTE B2					LTE B4				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
61.04	-76.81	-13.00	-63.81	Vertical	31.94	-72.70	-25.00	-47.70	Vertical
177.44	-71.20	-13.00	-58.20	Vertical	56.19	-77.41	-25.00	-52.41	Vertical
289.96	-70.30	-13.00	-57.30	Vertical	156.10	-77.82	-25.00	-52.82	Vertical
488.81	-66.60	-13.00	-53.60	Vertical	250.19	-78.28	-25.00	-53.28	Vertical
671.17	-61.93	-13.00	-48.93	Vertical	403.45	-95.20	-25.00	-70.20	Vertical
971.87	-59.49	-13.00	-46.49	Vertical	628.49	-95.20	-25.00	-70.20	Vertical
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
112.45	-76.86	-13.00	-63.86	Vertical	30.97	-72.59	-25.00	-47.59	Vertical
193.9299	-70.39	-13.00	-57.39	Vertical	116.33	-82.84	-25.00	-57.84	Vertical
342.34	-69.39	-13.00	-56.39	Vertical	167.74	-78.41	-25.00	-53.41	Vertical
552.83	-65.55	-13.00	-52.55	Vertical	283.17	-79.27	-25.00	-54.27	Vertical
674.08	-60.94	-13.00	-47.94	Vertical	375.32	-73.49	-25.00	-48.49	Vertical
893.3	-58.93	-13.00	-45.93	Vertical	649.83	-70.09	-25.00	-45.09	Vertical
LTE B5					LTE B7				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization					
150.28	-74.02	-13.00	-61.02	Vertical					
199.75	-70.22	-13.00	-57.22	Vertical					
280.26	-70.60	-13.00	-57.60	Vertical					
405.39	-66.61	-13.00	-53.61	Vertical					
608.12	-62.40	-13.00	-49.40	Vertical					
873.90	-59.68	-13.00	-46.68	Vertical					
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization					
177.44	-69.92	-13.00	-56.92	Vertical					
285.11	-69.90	-13.00	-56.90	Vertical					
474.26	-66.31	-13.00	-53.31	Vertical					
625.58	-63.09	-13.00	-50.09	Vertical					
863.23	-59.07	-13.00	-46.07	Vertical					
985.45	-58.33	-13.00	-45.33	Vertical					
LTE B17									

Radiated spurious emissions results Above 1GHz

LTE Band 2

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1324.00	-43.39	-13.00	-30.39	Horizontal	1398.00	-42.65	-13.00	-29.65	Horizontal
1534.00	-41.71	-13.00	-28.71	Horizontal	1558.00	-42.28	-13.00	-29.28	Horizontal
1850.00	25.65	-13.00	/	Horizontal	1880.00	26.59	-13.00	/	Horizontal
1930.00	-33.92	-13.00	-20.92	Horizontal	1960.00	-36.11	-13.00	-23.11	Horizontal
2320.00	-35.98	-13.00	-22.98	Horizontal	2360.00	-36.75	-13.00	-23.75	Horizontal
2850.00	-32.48	-13.00	-19.48	Horizontal	2730.00	-33.95	-13.00	-20.95	Horizontal
3690.00	-26.70	-13.00	-13.70	Horizontal	3750.00	-28.98	-13.00	-15.98	Horizontal
5550.00	-43.62	-13.00	-30.62	Horizontal	5640.00	-47.34	-13.00	-34.34	Horizontal
7395.00	-44.64	-13.00	-31.64	Horizontal	7515.00	-45.17	-13.00	-32.17	Horizontal
11535.00	-46.32	-13.00	-33.32	Horizontal	11535.00	-46.62	-13.00	-33.62	Horizontal
14085.00	-44.72	-13.00	-31.72	Horizontal	12300.00	-44.06	-13.00	-31.06	Horizontal
17025.00	-43.34	-13.00	-30.34	Horizontal	16680.00	-44.73	-13.00	-31.73	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1406.00	-43.53	-13.00	-30.53	Vertical	1240.00	-44.32	-13.00	-31.32	Vertical
1742.00	-40.18	-13.00	-27.18	Vertical	1624.00	-41.34	-13.00	-28.34	Vertical
1850.00	27.11	-13.00	/	Vertical	1880.00	25.83	-13.00	/	Vertical
1830.00	-27.25	-13.00	-14.25	Vertical	1960.00	-28.37	-13.00	-15.37	Vertical
2386.00	-36.36	-13.00	-23.36	Vertical	2396.00	-36.20	-13.00	-23.20	Vertical
2630.00	-34.56	-13.00	-21.56	Vertical	2830.00	-32.69	-13.00	-19.69	Vertical
3690.00	-24.05	-13.00	-11.05	Vertical	3750.00	-27.78	-13.00	-14.78	Vertical
5550.00	-24.05	-13.00	-11.05	Vertical	5640.00	-48.34	-13.00	-35.34	Vertical
7395.00	-43.97	-13.00	-30.97	Vertical	7515.00	-47.09	-13.00	-34.09	Vertical
9315.00	-46.61	-13.00	-33.61	Vertical	10530.00	-46.75	-13.00	-33.75	Vertical
14430.00	-47.76	-13.00	-34.76	Vertical	14445.00	-43.80	-13.00	-30.80	Vertical
16875.00	-44.72	-13.00	-31.72	Vertical	17760.00	-43.29	-13.00	-30.29	Vertical

LTE B2 QPSK-1.4M-Low					LTE B2 QPSK-1.4M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1394.00	-43.46	-13.00	-30.46	Horizontal	1474.00	-42.52	-13.00	-29.52	Horizontal
1724.00	-41.04	-13.00	-28.04	Horizontal	1746.00	-28.36	-13.00	-15.36	Horizontal
1910.00	24.87	-13.00	/	Horizontal	1850.00	24.88	-13.00	/	Horizontal
2142.00	-36.43	-13.00	-23.43	Horizontal	2162.00	-37.28	-13.00	-24.28	Horizontal
2498.00	-35.55	-13.00	-22.55	Horizontal	2552.00	-35.25	-13.00	-22.25	Horizontal
2702.00	-33.25	-13.00	-20.25	Horizontal	2866.00	-32.95	-13.00	-19.95	Horizontal
3810.00	-31.46	-13.00	-18.46	Horizontal	3690.00	-26.36	-13.00	-13.36	Horizontal
5730.00	-48.94	-13.00	-35.94	Horizontal	5550.00	-41.46	-13.00	-28.46	Horizontal
7635.00	-44.21	-13.00	-31.21	Horizontal	7395.00	-45.14	-13.00	-32.14	Horizontal
11280.00	-45.93	-13.00	-32.93	Horizontal	12270.00	-45.72	-13.00	-32.72	Horizontal
14445.00	-43.68	-13.00	-30.68	Horizontal	14730.00	-44.65	-13.00	-31.65	Horizontal
17790.00	-43.10	-13.00	-30.10	Horizontal	16995.00	-43.50	-13.00	-30.50	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1068.00	-44.18	-13.00	-31.18	Vertical	1628.00	-41.58	-13.00	-28.58	Vertical
1432.00	-41.25	-13.00	-28.25	Vertical	1750.00	-29.34	-13.00	-16.34	Vertical
1910.00	23.63	-13.00	/	Vertical	1850.00	26.92	-13.00	/	Vertical
1990.00	-28.27	-13.00	-15.27	Vertical	1930.00	-28.79	-13.00	-15.79	Vertical
2476.00	-35.83	-13.00	-22.83	Vertical	2490.00	-35.62	-13.00	-22.62	Vertical
2732.00	-33.03	-13.00	-20.03	Vertical	2838.00	-33.06	-13.00	-20.06	Vertical
3810.00	-30.15	-13.00	-17.15	Vertical	3690.00	-25.73	-13.00	-12.73	Vertical
5730.00	-49.92	-13.00	-36.92	Vertical	5550.00	-25.73	-13.00	-12.73	Vertical
9630.00	-48.30	-13.00	-35.30	Vertical	9315.00	-43.90	-13.00	-30.90	Vertical
13095.00	-45.91	-13.00	-32.91	Vertical	12195.00	-47.64	-13.00	-34.64	Vertical
14415.00	-44.55	-13.00	-31.55	Vertical	15045.00	-45.45	-13.00	-32.45	Vertical
16965.00	-43.50	-13.00	-30.50	Vertical	17715.00	-44.07	-13.00	-31.07	Vertical
LTE B2 QPSK-1.4M-High					LTE B2 16QAM-1.4M-Low				

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1762.00	-30.75	-13.00	-17.75	Horizontal	1416.00	-42.37	-13.00	-29.37	Horizontal
1880.00	26.01	-13.00	/	Horizontal	1746.00	-31.80	-13.00	-18.80	Horizontal
1960.00	-34.99	-13.00	-21.99	Horizontal	1876.00	-26.37	-13.00	-13.37	Horizontal
2328.00	-36.07	-13.00	-23.07	Horizontal	1910.00	25.00	-13.00	/	Horizontal
2580.00	-34.62	-13.00	-21.62	Horizontal	2396.00	-35.48	-13.00	-22.48	Horizontal
2654.00	-34.15	-13.00	-21.15	Horizontal	2860.00	-32.67	-13.00	-19.67	Horizontal
3750.00	-30.73	-13.00	-17.73	Horizontal	3810.00	-32.86	-13.00	-19.86	Horizontal
5640.00	-47.39	-13.00	-34.39	Horizontal	5730.00	-50.28	-13.00	-37.28	Horizontal
7515.00	-45.54	-13.00	-32.54	Horizontal	7635.00	-44.47	-13.00	-31.47	Horizontal
11100.00	-46.96	-13.00	-33.96	Horizontal	9300.00	-48.11	-13.00	-35.11	Horizontal
14430.00	-44.24	-13.00	-31.24	Horizontal	13170.00	-45.97	-13.00	-32.97	Horizontal
17775.00	-41.94	-13.00	-28.94	Horizontal	16890.00	-43.18	-13.00	-30.18	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1750.00	-36.33	-13.00	-23.33	Vertical	1750.00	-30.12	-13.00	-17.12	Vertical
1880.00	25.83	-13.00	/	Vertical	1910.00	23.44	-13.00	/	Vertical
1960.00	-28.78	-13.00	-15.78	Vertical	1990.00	-27.82	-13.00	-14.82	Vertical
2246.00	-37.73	-13.00	-24.73	Vertical	2314.00	-36.92	-13.00	-23.92	Vertical
2488.00	-35.70	-13.00	-22.70	Vertical	2532.00	-35.18	-13.00	-22.18	Vertical
2696.00	-33.43	-13.00	-20.43	Vertical	2770.00	-32.86	-13.00	-19.86	Vertical
3750.00	-29.74	-13.00	-16.74	Vertical	3810.00	-31.22	-13.00	-18.22	Vertical
5640.00	-49.83	-13.00	-36.83	Vertical	7230.00	-48.94	-13.00	-35.94	Vertical
7515.00	-46.47	-13.00	-33.47	Vertical	7635.00	-46.75	-13.00	-33.75	Vertical
9315.00	-47.46	-13.00	-34.46	Vertical	12315.00	-46.03	-13.00	-33.03	Vertical
14430.00	-44.28	-13.00	-31.28	Vertical	14655.00	-44.73	-13.00	-31.73	Vertical
17790.00	-43.28	-13.00	-30.28	Vertical	16800.00	-43.29	-13.00	-30.29	Vertical
LTE B2 16QAM-1.4M-Mid					LTE B2 16QAM-1.4M-High				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1424.00	-42.67	-13.00	-29.67	Horizontal	1384.00	-42.24	-13.00	-29.24	Horizontal
1752.00	-27.66	-13.00	-14.66	Horizontal	1760.00	-25.42	-13.00	-12.42	Horizontal
1860.00	26.02	-13.00	/	Horizontal	1880.00	26.37	-13.00	/	Horizontal
1948.00	-32.12	-13.00	-19.12	Horizontal	1964.00	-32.70	-13.00	-19.70	Horizontal
2338.00	-37.07	-13.00	-24.07	Horizontal	2380.00	-36.17	-13.00	-23.17	Horizontal
2738.00	-33.79	-13.00	-20.79	Horizontal	2600.00	-34.81	-13.00	-21.81	Horizontal
3720.00	-28.03	-13.00	-15.03	Horizontal	3750.00	-30.82	-13.00	-17.82	Horizontal
5580.00	-44.60	-13.00	-31.60	Horizontal	5640.00	-48.09	-13.00	-35.09	Horizontal
7440.00	-43.82	-13.00	-30.82	Horizontal	7515.00	-44.79	-13.00	-31.79	Horizontal
10515.00	-46.38	-13.00	-33.38	Horizontal	11730.00	-46.13	-13.00	-33.13	Horizontal
13125.00	-45.66	-13.00	-32.66	Horizontal	14850.00	-43.89	-13.00	-30.89	Horizontal
15195.00	-45.13	-13.00	-32.13	Horizontal	17820.00	-43.07	-13.00	-30.07	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1334.00	-42.01	-13.00	-29.01	Vertical	1556.00	-41.72	-13.00	-28.72	Vertical
1746.00	-31.66	-13.00	-18.66	Vertical	1754.00	-27.93	-13.00	-14.93	Vertical
1860.00	27.41	-13.00	/	Vertical	1880.00	25.94	-13.00	/	Vertical
1938.00	-25.15	-13.00	-12.15	Vertical	1962.00	-25.45	-13.00	-12.45	Vertical
2462.00	-36.10	-13.00	-23.10	Vertical	2344.00	-36.86	-13.00	-23.86	Vertical
2708.00	-33.82	-13.00	-20.82	Vertical	2620.00	-34.15	-13.00	-21.15	Vertical
3720.00	-24.37	-13.00	-11.37	Vertical	3750.00	-28.23	-13.00	-15.23	Vertical
5580.00	-24.37	-13.00	-11.37	Vertical	5640.00	-48.24	-13.00	-35.24	Vertical
7440.00	-46.60	-13.00	-33.60	Vertical	9315.00	-47.23	-13.00	-34.23	Vertical
10560.00	-47.03	-13.00	-34.03	Vertical	12330.00	-45.84	-13.00	-32.84	Vertical
13170.00	-46.46	-13.00	-33.46	Vertical	14400.00	-43.86	-13.00	-30.86	Vertical
13995.00	-44.86	-13.00	-31.86	Vertical	16890.00	-43.54	-13.00	-30.54	Vertical

LTE B2 QPSK-20M-Low					LTE B2 QPSK-20M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1546.00	-42.06	-13.00	-29.06	Horizontal	1750.00	-25.98	-13.00	-12.98	Horizontal
1750.00	-29.81	-13.00	-16.81	Horizontal	1860.00	25.69	-13.00	/	Horizontal
1900.00	26.01	-13.00	/	Horizontal	2072.00	-37.96	-13.00	-24.96	Horizontal
1986.00	-33.70	-13.00	-20.70	Horizontal	2384.00	-35.74	-13.00	-22.74	Horizontal
2354.00	-37.02	-13.00	-24.02	Horizontal	2632.00	-34.89	-13.00	-21.89	Horizontal
2762.00	-33.72	-13.00	-20.72	Horizontal	2856.00	-32.15	-13.00	-19.15	Horizontal
3795.00	-32.41	-13.00	-19.41	Horizontal	3720.00	-27.67	-13.00	-14.67	Horizontal
5700.00	-48.40	-13.00	-35.40	Horizontal	5580.00	-42.92	-13.00	-29.92	Horizontal
7590.00	-45.57	-13.00	-32.57	Horizontal	7440.00	-46.43	-13.00	-33.43	Horizontal
10515.00	-46.60	-13.00	-33.60	Horizontal	11505.00	-45.66	-13.00	-32.66	Horizontal
14025.00	-44.72	-13.00	-31.72	Horizontal	13815.00	-45.38	-13.00	-32.38	Horizontal
14430.00	-44.12	-13.00	-31.12	Horizontal	16845.00	-42.93	-13.00	-29.93	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1586.00	-41.50	-13.00	-28.50	Vertical	1528.00	-42.02	-13.00	-29.02	Vertical
1762.00	-31.67	-13.00	-18.67	Vertical	1754.00	-25.45	-13.00	-12.45	Vertical
1900.00	25.08	-13.00	/	Vertical	1860.00	26.53	-13.00	/	Vertical
1978.00	-25.65	-13.00	-12.65	Vertical	1938.00	-25.96	-13.00	-12.96	Vertical
2358.00	-36.18	-13.00	-23.18	Vertical	2492.00	-35.40	-13.00	-22.40	Vertical
2732.00	-33.69	-13.00	-20.69	Vertical	2730.00	-33.95	-13.00	-20.95	Vertical
3795.00	-30.08	-13.00	-17.08	Vertical	3720.00	-25.70	-13.00	-12.70	Vertical
5700.00	-48.63	-13.00	-35.63	Vertical	5580.00	-25.70	-13.00	-12.70	Vertical
7590.00	-46.66	-13.00	-33.66	Vertical	7440.00	-46.12	-13.00	-33.12	Vertical
11310.00	-45.71	-13.00	-32.71	Vertical	12330.00	-46.32	-13.00	-33.32	Vertical
13920.00	-43.92	-13.00	-30.92	Vertical	14790.00	-45.81	-13.00	-32.81	Vertical
17850.00	-42.86	-13.00	-29.86	Vertical	17790.00	-44.77	-13.00	-31.77	Vertical
LTE B2 QPSK-20M-High					LTE B2 16QAM-20M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1314.00	-43.15	-13.00	-30.15	Horizontal	1436.00	-42.72	-13.00	-29.72	Horizontal
1760.00	-30.24	-13.00	-17.24	Horizontal	1752.00	-26.96	-13.00	-13.96	Horizontal
1880.00	25.77	-13.00	/	Horizontal	1900.00	26.33	-13.00	/	Horizontal
1968.00	-33.14	-13.00	-20.14	Horizontal	1978.00	-33.57	-13.00	-20.57	Horizontal
2638.00	-35.09	-13.00	-22.09	Horizontal	2552.00	-35.55	-13.00	-22.55	Horizontal
2844.00	-32.60	-13.00	-19.60	Horizontal	2756.00	-32.98	-13.00	-19.98	Horizontal
3750.00	-29.45	-13.00	-16.45	Horizontal	3795.00	-31.77	-13.00	-18.77	Horizontal
5640.00	-48.51	-13.00	-35.51	Horizontal	5700.00	-50.34	-13.00	-37.34	Horizontal
7515.00	-45.51	-13.00	-32.51	Horizontal	7605.00	-46.25	-13.00	-33.25	Horizontal
10485.00	-46.76	-13.00	-33.76	Horizontal	12315.00	-46.16	-13.00	-33.16	Horizontal
14445.00	-43.98	-13.00	-30.98	Horizontal	14400.00	-43.13	-13.00	-30.13	Horizontal
16860.00	-43.69	-13.00	-30.69	Horizontal	16860.00	-43.52	-13.00	-30.52	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1106.00	-44.04	-13.00	-31.04	Vertical	1630.00	-41.52	-13.00	-28.52	Vertical
1600.00	-42.09	-13.00	-29.09	Vertical	1752.00	-26.96	-13.00	-13.96	Vertical
1758.00	-26.80	-13.00	-13.80	Vertical	1900.00	25.07	-13.00	/	Vertical
1880.00	26.04	-13.00	/	Vertical	1978.00	-25.88	-13.00	-12.88	Vertical
1954.00	-26.38	-13.00	-13.38	Vertical	2460.00	-36.05	-13.00	-23.05	Vertical
2690.00	-33.40	-13.00	-20.40	Vertical	2670.00	-34.35	-13.00	-21.35	Vertical
3750.00	-28.41	-13.00	-15.41	Vertical	3795.00	-28.96	-13.00	-15.96	Vertical
5640.00	-48.94	-13.00	-35.94	Vertical	5700.00	-48.09	-13.00	-35.09	Vertical
10470.00	-46.09	-13.00	-33.09	Vertical	7590.00	-47.84	-13.00	-34.84	Vertical
13980.00	-44.42	-13.00	-31.42	Vertical	11205.00	-46.58	-13.00	-33.58	Vertical
16905.00	-43.53	-13.00	-30.53	Vertical	14400.00	-44.66	-13.00	-31.66	Vertical
17745.00	-42.40	-13.00	-29.40	Vertical	17775.00	-42.89	-13.00	-29.89	Vertical
LTE B2 16QAM-20M-Mid					LTE B2 16QAM-20M-High				

LTE Band 4

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1520.00	-41.71	-13.00	-28.71	Horizontal	1428.00	-42.18	-13.00	-29.18	Horizontal
1710.00	21.99	-13.00	/	Horizontal	1732.00	23.34	-13.00	/	Horizontal
1760.00	-22.07	-13.00	-9.07	Horizontal	1760.00	-23.95	-13.00	-10.95	Horizontal
2110.00	-34.22	-13.00	-21.22	Horizontal	2132.00	-34.44	-13.00	-21.44	Horizontal
2680.00	-34.15	-13.00	-21.15	Horizontal	2510.00	-34.57	-13.00	-21.57	Horizontal
2856.00	-32.02	-13.00	-19.02	Horizontal	2862.00	-32.78	-13.00	-19.78	Horizontal
3420.00	-21.92	-13.00	-8.92	Horizontal	3465.00	-23.31	-13.00	-10.31	Horizontal
5130.00	-39.62	-13.00	-26.62	Horizontal	5190.00	-40.55	-13.00	-27.55	Horizontal
6840.00	-45.70	-13.00	-32.70	Horizontal	6930.00	-44.12	-13.00	-31.12	Horizontal
10485.00	-45.59	-13.00	-32.59	Horizontal	9330.00	-47.33	-13.00	-34.33	Horizontal
14400.00	-43.96	-13.00	-30.96	Horizontal	13995.00	-44.62	-13.00	-31.62	Horizontal
17070.00	-42.32	-13.00	-29.32	Horizontal	16860.00	-43.27	-13.00	-30.27	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1492.00	-42.85	-13.00	-29.85	Vertical	1732.00	23.89	-13.00	/	Vertical
1710.00	23.66	-13.00	/	Vertical	1752.00	-23.68	-13.00	-10.68	Vertical
1762.00	-23.50	-13.00	-10.50	Vertical	1924.00	-38.87	-13.00	-25.87	Vertical
2112.00	-25.29	-13.00	-12.29	Vertical	2132.00	-25.86	-13.00	-12.86	Vertical
2680.00	-34.72	-13.00	-21.72	Vertical	2680.00	-33.35	-13.00	-20.35	Vertical
2846.00	-33.23	-13.00	-20.23	Vertical	2844.00	-32.90	-13.00	-19.90	Vertical
3420.00	-23.13	-13.00	-10.13	Vertical	3465.00	-23.21	-13.00	-10.21	Vertical
5130.00	-39.42	-13.00	-26.42	Vertical	5190.00	-38.56	-13.00	-25.56	Vertical
6840.00	-45.90	-13.00	-32.90	Vertical	6930.00	-45.20	-13.00	-32.20	Vertical
9555.00	-47.54	-13.00	-34.54	Vertical	10485.00	-46.30	-13.00	-33.30	Vertical
14385.00	-43.80	-13.00	-30.80	Vertical	14025.00	-44.44	-13.00	-31.44	Vertical
17805.00	-43.80	-13.00	-30.80	Vertical	16905.00	-43.14	-13.00	-30.14	Vertical

LTE B4 QPSK-1.4M-Low					LTE B4 QPSK-1.4M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1436.00	-42.82	-13.00	-29.82	Horizontal	1710.00	21.84	-13.00	/	Horizontal
1694.00	-35.36	-13.00	-22.36	Horizontal	1760.00	-22.58	-13.00	-9.58	Horizontal
1754.00	/	-13.00	/	Horizontal	1948.00	-38.14	-13.00	-25.14	Horizontal
2154.00	-35.18	-13.00	-22.18	Horizontal	2110.00	-35.14	-13.00	-22.14	Horizontal
2400.00	-36.30	-13.00	-23.30	Horizontal	2498.00	-35.94	-13.00	-22.94	Horizontal
2776.00	-33.36	-13.00	-20.36	Horizontal	2754.00	-33.77	-13.00	-20.77	Horizontal
3495.00	-23.75	-13.00	-10.75	Horizontal	3420.00	-23.51	-13.00	-10.51	Horizontal
5265.00	-40.45	-13.00	-27.45	Horizontal	5130.00	-38.50	-13.00	-25.50	Horizontal
7020.00	-41.41	-13.00	-28.41	Horizontal	6840.00	-44.01	-13.00	-31.01	Horizontal
11505.00	-46.23	-13.00	-33.23	Horizontal	11250.00	-46.32	-13.00	-33.32	Horizontal
14340.00	-44.15	-13.00	-31.15	Horizontal	12330.00	-46.29	-13.00	-33.29	Horizontal
16905.00	-43.59	-13.00	-30.59	Horizontal	16695.00	-43.70	-13.00	-30.70	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1038.00	-44.33	-13.00	-31.33	Vertical	1484.00	-42.40	-13.00	-29.40	Vertical
1594.00	-42.10	-13.00	-29.10	Vertical	1710.00	23.18	-13.00	/	Vertical
1732.00	-17.43	-13.00	-4.43	Vertical	1758.00	-23.00	-13.00	-10.00	Vertical
1754.00	24.11	-13.00	/	Vertical	2110.00	-25.04	-13.00	-12.04	Vertical
2154.00	-25.62	-13.00	-12.62	Vertical	2548.00	-35.69	-13.00	-22.69	Vertical
2784.00	-33.82	-13.00	-20.82	Vertical	2824.00	-32.45	-13.00	-19.45	Vertical
3495.00	-24.84	-13.00	-11.84	Vertical	3420.00	-23.15	-13.00	-10.15	Vertical
5265.00	-37.97	-13.00	-24.97	Vertical	5130.00	-23.15	-13.00	-10.15	Vertical
7020.00	-41.40	-13.00	-28.40	Vertical	6840.00	-39.06	-13.00	-26.06	Vertical
11490.00	-45.93	-13.00	-32.93	Vertical	11520.00	-45.08	-13.00	-32.08	Vertical
14460.00	-43.94	-13.00	-30.94	Vertical	14430.00	-45.71	-13.00	-32.71	Vertical
17625.00	-43.17	-13.00	-30.17	Vertical	17595.00	-43.31	-13.00	-30.31	Vertical
LTE B4 QPSK-1.4M-High					LTE B4 16QAM-1.4M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1394.00	-43.62	-13.00	-30.62	Horizontal	1428.00	-43.08	-13.00	-30.08	Horizontal
1732.00	23.36	-13.00	/	Horizontal	1754.00	22.23	-13.00	/	Horizontal
2088.00	-38.11	-13.00	-25.11	Horizontal	2118.00	-37.66	-13.00	-24.66	Horizontal
2132.00	-34.31	-13.00	-21.31	Horizontal	2154.00	-34.35	-13.00	-21.35	Horizontal
2500.00	-34.88	-13.00	-21.88	Horizontal	2582.00	-34.42	-13.00	-21.42	Horizontal
2734.00	-32.97	-13.00	-19.97	Horizontal	2846.00	-32.85	-13.00	-19.85	Horizontal
3465.00	-22.32	-13.00	-9.32	Horizontal	3495.00	-23.40	-13.00	-10.40	Horizontal
5190.00	-40.82	-13.00	-27.82	Horizontal	5265.00	-39.34	-13.00	-26.34	Horizontal
6930.00	-45.86	-13.00	-32.86	Horizontal	7020.00	-42.56	-13.00	-29.56	Horizontal
11385.00	-45.57	-13.00	-32.57	Horizontal	11490.00	-45.90	-13.00	-32.90	Horizontal
13740.00	-44.93	-13.00	-31.93	Horizontal	14490.00	-44.25	-13.00	-31.25	Horizontal
16950.00	-43.27	-13.00	-30.27	Horizontal	16890.00	-42.90	-13.00	-29.90	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1212.00	-44.06	-13.00	-31.06	Vertical	1616.00	-42.00	-13.00	-29.00	Vertical
1604.00	-41.89	-13.00	-28.89	Vertical	1754.00	24.07	-13.00	/	Vertical
1732.00	23.47	-13.00	/	Vertical	2084.00	-37.79	-13.00	-24.79	Vertical
2132.00	-25.05	-13.00	-12.05	Vertical	2154.00	-25.12	-13.00	-12.12	Vertical
2486.00	-36.00	-13.00	-23.00	Vertical	2552.00	-35.57	-13.00	-22.57	Vertical
2712.00	-33.63	-13.00	-20.63	Vertical	2724.00	-33.80	-13.00	-20.80	Vertical
3465.00	-24.23	-13.00	-11.23	Vertical	3495.00	-24.93	-13.00	-11.93	Vertical
5190.00	-39.48	-13.00	-26.48	Vertical	5265.00	-39.38	-13.00	-26.38	Vertical
6930.00	-46.60	-13.00	-33.60	Vertical	7020.00	-42.95	-13.00	-29.95	Vertical
10530.00	-46.32	-13.00	-33.32	Vertical	10455.00	-46.70	-13.00	-33.70	Vertical
13200.00	-44.26	-13.00	-31.26	Vertical	13575.00	-43.89	-13.00	-30.89	Vertical
17775.00	-42.50	-13.00	-29.50	Vertical	16875.00	-42.93	-13.00	-29.93	Vertical
LTE B4 16QAM-1.4M-Mid					LTE B4 16QAM-1.4M-High				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1430.00	-43.07	-13.00	-30.07	Horizontal	1518.00	-42.57	-13.00	-29.57	Horizontal
1720.00	22.83	-13.00	/	Horizontal	1732.00	23.26	-13.00	/	Horizontal
1754.00	-24.92	-13.00	-11.92	Horizontal	2134.00	-31.85	-13.00	-18.85	Horizontal
2120.00	-31.11	-13.00	-18.11	Horizontal	2382.00	-35.97	-13.00	-22.97	Horizontal
2476.00	-35.38	-13.00	-22.38	Horizontal	2708.00	-34.00	-13.00	-21.00	Horizontal
2620.00	-34.19	-13.00	-21.19	Horizontal	2840.00	-32.97	-13.00	-19.97	Horizontal
3435.00	-34.49	-13.00	-21.49	Horizontal	3465.00	-34.27	-13.00	-21.27	Horizontal
5160.00	-49.12	-13.00	-36.12	Horizontal	5190.00	-43.62	-13.00	-30.62	Horizontal
7215.00	-50.21	-13.00	-37.21	Horizontal	6930.00	-49.55	-13.00	-36.55	Horizontal
11370.00	-47.27	-13.00	-34.27	Horizontal	10965.00	-49.16	-13.00	-36.16	Horizontal
14400.00	-46.16	-13.00	-33.16	Horizontal	14400.00	-45.35	-13.00	-32.35	Horizontal
17805.00	-44.53	-13.00	-31.53	Horizontal	16650.00	-45.21	-13.00	-32.21	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1014.00	-44.10	-13.00	-31.10	Vertical	1526.00	-42.75	-13.00	-29.75	Vertical
1606.00	-41.17	-13.00	-28.17	Vertical	1732.00	24.27	-13.00	/	Vertical
1720.00	24.36	-13.00	/	Vertical	2134.00	-22.18	-13.00	-9.18	Vertical
2120.00	-22.47	-13.00	-9.47	Vertical	2460.00	-35.99	-13.00	-22.99	Vertical
2486.00	-35.00	-13.00	-22.00	Vertical	2574.00	-34.79	-13.00	-21.79	Vertical
2848.00	-32.48	-13.00	-19.48	Vertical	2862.00	-32.57	-13.00	-19.57	Vertical
3435.00	-31.78	-13.00	-18.78	Vertical	3465.00	-28.02	-13.00	-15.02	Vertical
5160.00	-31.78	-13.00	-18.78	Vertical	5190.00	-52.60	-13.00	-39.60	Vertical
7455.00	-48.40	-13.00	-35.40	Vertical	7185.00	-49.85	-13.00	-36.85	Vertical
11505.00	-50.67	-13.00	-37.67	Vertical	10470.00	-49.16	-13.00	-36.16	Vertical
14145.00	-47.31	-13.00	-34.31	Vertical	14385.00	-45.83	-13.00	-32.83	Vertical
16875.00	-46.17	-13.00	-33.17	Vertical	16920.00	-45.18	-13.00	-32.18	Vertical
LTE B4 QPSK-20M-Low					LTE B4 QPSK-20M-Mid				

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1204.00	-44.27	-13.00	-31.27	Horizontal
1582.00	-41.74	-13.00	-28.74	Horizontal
1744.00	23.99	-13.00	/	Horizontal
2148.00	-31.75	-13.00	-18.75	Horizontal
2528.00	-35.34	-13.00	-22.34	Horizontal
2822.00	-33.20	-13.00	-20.20	Horizontal
3480.00	-22.21	-13.00	-9.21	Horizontal
5235.00	-37.93	-13.00	-24.93	Horizontal
6975.00	-47.36	-13.00	-34.36	Horizontal
11355.00	-46.27	-13.00	-33.27	Horizontal
14445.00	-43.68	-13.00	-30.68	Horizontal
17715.00	-42.86	-13.00	-29.86	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1108.00	-44.42	-13.00	-31.42	Vertical
1418.00	-42.89	-13.00	-29.89	Vertical
1744.00	24.85	-13.00	/	Vertical
2148.00	-21.79	-13.00	-8.79	Vertical
2552.00	-34.78	-13.00	-21.78	Vertical
2670.00	-34.07	-13.00	-21.07	Vertical
3480.00	-31.90	-13.00	-18.90	Vertical
5235.00	-46.43	-13.00	-33.43	Vertical
7215.00	-49.61	-13.00	-36.61	Vertical
11235.00	-48.15	-13.00	-35.15	Vertical
14475.00	-45.81	-13.00	-32.81	Vertical
16800.00	-45.22	-13.00	-32.22	Vertical

LTE B4 QPSK-20M-High				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1300.00	-43.25	-13.00	-30.25	Horizontal
1732.00	22.86	-13.00	/	Horizontal
1952.00	-38.19	-13.00	-25.19	Horizontal
2130.00	-32.00	-13.00	-19.00	Horizontal
2620.00	-34.70	-13.00	-21.70	Horizontal
2858.00	-32.93	-13.00	-19.93	Horizontal
3465.00	-24.82	-13.00	-11.82	Horizontal
5190.00	-41.68	-13.00	-28.68	Horizontal
6930.00	-43.21	-13.00	-30.21	Horizontal
10470.00	-46.30	-13.00	-33.30	Horizontal
13575.00	-42.32	-13.00	-29.32	Horizontal
17010.00	-37.72	-13.00	-24.72	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1520.00	-41.50	-13.00	-28.50	Vertical
1732.00	24.39	-13.00	/	Vertical
1778.00	-33.32	-13.00	-20.32	Vertical
2140.00	-22.22	-13.00	-9.22	Vertical
2562.00	-35.32	-13.00	-22.32	Vertical
2858.00	-32.76	-13.00	-19.76	Vertical
3485.00	-25.25	-13.00	-12.25	Vertical
5190.00	-41.04	-13.00	-28.04	Vertical
6930.00	-46.94	-13.00	-33.94	Vertical
10485.00	-46.43	-13.00	-33.43	Vertical
12630.00	-43.11	-13.00	-30.11	Vertical
16680.00	-38.72	-13.00	-25.72	Vertical

LTE B4 16QAM-20M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1408.00	-42.84	-13.00	-29.84	Horizontal
1720.00	22.57	-13.00	/	Horizontal
1948.00	-38.73	-13.00	-25.73	Horizontal
2118.00	-30.22	-13.00	-17.22	Horizontal
2504.00	-35.14	-13.00	-22.14	Horizontal
2820.00	-33.10	-13.00	-20.10	Horizontal
3435.00	-23.49	-13.00	-10.49	Horizontal
5160.00	-40.98	-13.00	-27.98	Horizontal
6870.00	-44.20	-13.00	-31.20	Horizontal
11385.00	-45.43	-13.00	-32.43	Horizontal
14745.00	-40.72	-13.00	-27.72	Horizontal
18000.00	-35.39	-13.00	-22.39	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1588.00	-41.40	-13.00	-28.40	Vertical
1720.00	24.15	-13.00	/	Vertical
1778.00	-35.46	-13.00	-22.46	Vertical
2122.00	-22.27	-13.00	-9.27	Vertical
2598.00	-35.12	-13.00	-22.12	Vertical
2830.00	-32.85	-13.00	-19.85	Vertical
3435.00	-23.79	-13.00	-10.79	Vertical
5160.00	-23.79	-13.00	-10.79	Vertical
6870.00	-39.94	-13.00	-26.94	Vertical
12330.00	-46.41	-13.00	-33.41	Vertical
16455.00	-44.44	-13.00	-31.44	Vertical
18000.00	-39.63	-13.00	-26.63	Vertical

LTE B4 16QAM-20M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1300.00	-43.18	-13.00	-30.18	Horizontal
1604.00	-41.51	-13.00	-28.51	Horizontal
1744.00	22.78	-13.00	/	Horizontal
2140.00	-32.10	-13.00	-19.10	Horizontal
2488.00	-36.00	-13.00	-23.00	Horizontal
2822.00	-32.90	-13.00	-19.90	Horizontal
3480.00	-24.64	-13.00	-11.64	Horizontal
5235.00	-39.88	-13.00	-26.88	Horizontal
6975.00	-44.78	-13.00	-31.78	Horizontal
11280.00	-44.06	-13.00	-31.06	Horizontal
14430.00	-40.71	-13.00	-27.71	Horizontal
16890.00	-37.67	-13.00	-24.67	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1256.00	-44.46	-13.00	-31.46	Vertical
1544.00	-42.37	-13.00	-29.37	Vertical
1744.00	24.66	-13.00	/	Vertical
2152.00	-21.68	-13.00	-8.68	Vertical
2490.00	-34.48	-13.00	-21.48	Vertical
2716.00	-33.60	-13.00	-20.60	Vertical
3480.00	-24.40	-13.00	-11.40	Vertical
5235.00	-40.08	-13.00	-27.08	Vertical
6975.00	-46.58	-13.00	-33.58	Vertical
10455.00	-45.25	-13.00	-32.25	Vertical
13815.00	-42.12	-13.00	-29.12	Vertical
16905.00	-37.35	-13.00	-24.35	Vertical

LTE B4 16QAM-20M-High				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1408.00	-42.84	-13.00	-29.84	Horizontal
1720.00	22.57	-13.00	/	Horizontal
1948.00	-38.73	-13.00	-25.73	Horizontal
2118.00	-30.22	-13.00	-17.22	Horizontal
2504.00	-35.14	-13.00	-22.14	Horizontal
2820.00	-33.10	-13.00	-20.10	Horizontal
3435.00	-23.49	-13.00	-10.49	Horizontal
5160.00	-40.98	-13.00	-27.98	Horizontal
6870.00	-44.20	-13.00	-31.20	Horizontal
11385.00	-45.43	-13.00	-32.43	Horizontal
14745.00	-40.72	-13.00	-27.72	Horizontal
18000.00	-35.39	-13.00	-22.39	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1588.00	-41.40	-13.00	-28.40	Vertical
1720.00	24.15	-13.00	/	Vertical
1778.00	-35.46	-13.00	-22.46	Vertical
2122.00	-22.27	-13.00	-9.27	Vertical
2598.00	-35.12	-13.00	-22.12	Vertical
2830.00	-32.85	-13.00	-19.85	Vertical
3435.00	-23.79	-13.00	-10.79	Vertical
5160.00	-23.79	-13.00	-10.79	Vertical
6870.00	-39.94	-13.00	-26.94	Vertical
12330.00	-46.41	-13.00	-33.41	Vertical
16455.00	-44.44	-13.00	-31.44	Vertical
18000.00	-39.63	-13.00	-26.63	Vertical

LTE Band 5

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1648	-35.65	-13.00	-22.65	Horizontal
2467	-45.61	-13.00	-32.61	Horizontal
3295	-52.75	-13.00	-39.75	Horizontal
4123	-51.58	-13.00	-38.58	Horizontal
7507	-49.22	-13.00	-36.22	Horizontal
9361	-49.01	-13.00	-36.01	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1648	-35.52	-13.00	-22.52	Vertical
2467	-46.56	-13.00	-33.56	Vertical
3295	-49.27	-13.00	-36.27	Vertical
4123	-48.89	-13.00	-35.89	Vertical
7192	-50.05	-13.00	-37.05	Vertical
8488	-50.08	-13.00	-37.08	Vertical

LTE B5 QPSK-1.4M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1666	-38.66	-13.00	-25.66	Horizontal
2503	-43.92	-13.00	-30.92	Horizontal
3340	-46.90	-13.00	-33.90	Horizontal
4186	-46.82	-13.00	-33.82	Horizontal
7318	-49.67	-13.00	-36.67	Horizontal
9480	-49.08	-13.00	-36.08	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1666	-38.37	-13.00	-25.37	Vertical
2503	-42.64	-13.00	-29.64	Vertical
3349	-47.53	-13.00	-34.53	Vertical
4186	-45.15	-13.00	-32.15	Vertical
7192	-49.99	-13.00	-36.99	Vertical
9577	-49.47	-13.00	-36.47	Vertical

LTE B5 QPSK-1.4M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1666	-38.66	-13.00	-25.66	Horizontal
2503	-43.92	-13.00	-30.92	Horizontal
3340	-46.90	-13.00	-33.90	Horizontal
4186	-46.82	-13.00	-33.82	Horizontal
7318	-49.67	-13.00	-36.67	Horizontal
9480	-49.08	-13.00	-36.08	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1666	-38.37	-13.00	-25.37	Vertical
2503	-42.64	-13.00	-29.64	Vertical
3349	-47.53	-13.00	-34.53	Vertical
4186	-45.15	-13.00	-32.15	Vertical
7192	-49.99	-13.00	-36.99	Vertical
9577	-49.47	-13.00	-36.47	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1693	-33.72	-13.00	-20.72	Horizontal	1648	-36.59	-13.00	-23.59	Horizontal
2539	-29.06	-13.00	-16.06	Horizontal	2476	-47.35	-13.00	-34.35	Horizontal
3394	-47.48	-13.00	-34.48	Horizontal	3295	-51.65	-13.00	-38.65	Horizontal
4240	-44.76	-13.00	-31.76	Horizontal	4123	-49.52	-13.00	-36.52	Horizontal
5941	-47.68	-13.00	-34.68	Horizontal	7309	-49.47	-13.00	-36.47	Horizontal
7273	-49.11	-13.00	-36.11	Horizontal	9298	-49.36	-13.00	-36.36	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1693	-38.04	-13.00	-25.04	Vertical	1648	-36.29	-13.00	-23.29	Vertical
2539	-38.31	-13.00	-25.31	Vertical	2467	-47.94	-13.00	-34.94	Vertical
3394	-47.23	-13.00	-34.23	Vertical	3295	-52.16	-13.00	-39.16	Vertical
4240	-45.58	-13.00	-32.58	Vertical	4123	-50.15	-13.00	-37.15	Vertical
5941	-50.03	-13.00	-37.03	Vertical	7291	-49.22	-13.00	-36.22	Vertical
7534	-49.29	-13.00	-36.29	Vertical	9235	-49.39	-13.00	-36.39	Vertical
LTE B5 QPSK-1.4M-High					LTE B5 16QAM-1.4M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1666	-39.13	-13.00	-26.13	Horizontal	1693	-36.08	-13.00	-23.08	Horizontal
2503	-41.26	-13.00	-28.26	Horizontal	2539	-32.25	-13.00	-19.25	Horizontal
3340	-50.64	-13.00	-37.64	Horizontal	3394	-47.93	-13.00	-34.93	Horizontal
4186	-46.84	-13.00	-33.84	Horizontal	4240	-45.17	-13.00	-32.17	Horizontal
7255	-49.36	-13.00	-36.36	Horizontal	5941	-50.54	-13.00	-37.54	Horizontal
8380	-50.54	-13.00	-37.54	Horizontal	7219	-49.30	-13.00	-36.30	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1666	-39.23	-13.00	-26.23	Vertical	1693	-35.75	-13.00	-22.75	Vertical
2503	-45.59	-13.00	-32.59	Vertical	2539	-39.17	-13.00	-26.17	Vertical
3340	-49.68	-13.00	-36.68	Vertical	3394	-45.66	-13.00	-32.66	Vertical
4177	-46.44	-13.00	-33.44	Vertical	4240	-44.38	-13.00	-31.38	Vertical
7327	-49.91	-13.00	-36.91	Vertical	7228	-49.72	-13.00	-36.72	Vertical
9334	-49.90	-13.00	-36.90	Vertical	9424	-50.07	-13.00	-37.07	Vertical
LTE B5 16QAM-1.4M-Mid					LTE B5 16QAM-1.4M-High				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1648	-36.59	-13.00	-23.59	Horizontal	1666	-39.13	-13.00	-26.13	Horizontal
2476	-47.35	-13.00	-34.35	Horizontal	2503	-41.26	-13.00	-28.26	Horizontal
3295	-51.65	-13.00	-38.65	Horizontal	3340	-50.64	-13.00	-37.64	Horizontal
4123	-49.52	-13.00	-36.52	Horizontal	4186	-46.84	-13.00	-33.84	Horizontal
7309	-49.47	-13.00	-36.47	Horizontal	7255	-49.36	-13.00	-36.36	Horizontal
9298	-49.36	-13.00	-36.36	Horizontal	8380	-50.54	-13.00	-37.54	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1648	-36.29	-13.00	-23.29	Vertical	1666	-39.23	-13.00	-26.23	Vertical
2467	-47.94	-13.00	-34.94	Vertical	2503	-45.59	-13.00	-32.59	Vertical
3295	-52.16	-13.00	-39.16	Vertical	3340	-49.68	-13.00	-36.68	Vertical
4123	-50.15	-13.00	-37.15	Vertical	4177	-46.44	-13.00	-33.44	Vertical
7291	-49.22	-13.00	-36.22	Vertical	7327	-49.91	-13.00	-36.91	Vertical
9235	-49.39	-13.00	-36.39	Vertical	9334	-49.90	-13.00	-36.90	Vertical
LTE B5 QPSK-10M-Low					LTE B5 QPSK-10M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1693	-36.08	-13.00	-23.08	Horizontal	1648	-35.59	-13.00	-22.59	Horizontal
2539	-32.25	-13.00	-19.25	Horizontal	2467	-47.69	-13.00	-34.69	Horizontal
3394	-47.93	-13.00	-34.93	Horizontal	4123	-52.37	-13.00	-39.37	Horizontal
4240	-45.17	-13.00	-32.17	Horizontal	7273	-49.61	-13.00	-36.61	Horizontal
5941	-50.54	-13.00	-37.54	Horizontal	8263	-49.76	-13.00	-36.76	Horizontal
7219	-49.30	-13.00	-36.30	Horizontal	9523	-49.51	-13.00	-36.51	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1693	-35.75	-13.00	-22.75	Vertical	1648	-36.41	-13.00	-23.41	Vertical
2539	-39.17	-13.00	-26.17	Vertical	2467	-45.49	-13.00	-32.49	Vertical
3394	-45.66	-13.00	-32.66	Vertical	3295	-48.99	-13.00	-35.99	Vertical
4240	-44.38	-13.00	-31.38	Vertical	4123	-50.10	-13.00	-37.10	Vertical
7228	-49.72	-13.00	-36.72	Vertical	7489	-49.93	-13.00	-36.93	Vertical
9424	-50.07	-13.00	-37.07	Vertical	9271	-48.90	-13.00	-35.90	Vertical
LTE B5 QPSK-10M-High					LTE B5 16QAM-10M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1657	-31.98	-13.00	-18.98	Horizontal	1675	-39.00	-13.00	-26.00	Horizontal
2494	-36.94	-13.00	-23.94	Horizontal	2512	-43.32	-13.00	-30.32	Horizontal
3331	-50.39	-13.00	-37.39	Horizontal	3358	-54.50	-13.00	-41.50	Horizontal
4159	-44.08	-13.00	-31.08	Horizontal	4195	-50.48	-13.00	-37.48	Horizontal
5824	-49.48	-13.00	-36.48	Horizontal	5878	-52.68	-13.00	-39.68	Horizontal
7282	-49.24	-13.00	-36.24	Horizontal	7318	-50.15	-13.00	-37.15	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1657	-35.26	-13.00	-22.26	Vertical	1675	-41.37	-13.00	-28.37	Vertical
2494	-39.24	-13.00	-26.24	Vertical	2512	-45.18	-13.00	-32.18	Vertical
3322	-50.91	-13.00	-37.91	Vertical	3358	-49.78	-13.00	-36.78	Vertical
4159	-42.43	-13.00	-29.43	Vertical	4195	-49.36	-13.00	-36.36	Vertical
5824	-51.18	-13.00	-38.18	Vertical	7237	-49.27	-13.00	-36.27	Vertical
7255	-49.99	-13.00	-36.99	Vertical	9388	-50.02	-13.00	-37.02	Vertical
LTE B5 16QAM-10M-Mid					LTE B5 16QAM-10M-High				

LTE Band 7

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1692.00	-40.85	-25.00	-15.85	Horizontal	1426.00	-41.95	-25.00	-16.95	Horizontal
1994.00	-38.01	-25.00	-13.01	Horizontal	1902.00	-38.55	-25.00	-13.55	Horizontal
2124.00	-37.87	-25.00	-12.87	Horizontal	2130.00	-37.63	-25.00	-12.63	Horizontal
2414.00	-36.66	-25.00	-11.66	Horizontal	2400.00	-36.51	-25.00	-11.51	Horizontal
2504.00	18.46	-25.00	/	Horizontal	2536.00	18.80	-25.00	/	Horizontal
2624.00	-29.32	-25.00	-4.32	Horizontal	2656.00	-29.04	-25.00	-4.04	Horizontal
4995.00	-41.38	-25.00	-16.38	Horizontal	5070.00	-38.71	-25.00	-13.71	Horizontal
7500.00	-47.08	-25.00	-22.08	Horizontal	6960.00	-46.87	-25.00	-21.87	Horizontal
10620.00	-45.82	-25.00	-20.82	Horizontal	10140.00	-46.88	-25.00	-21.88	Horizontal
13350.00	-43.11	-25.00	-18.11	Horizontal	13485.00	-43.29	-25.00	-18.29	Horizontal
14430.00	-40.76	-25.00	-15.76	Horizontal	14775.00	-40.78	-25.00	-15.78	Horizontal
17535.00	-37.02	-25.00	-12.02	Horizontal	17820.00	-35.61	-25.00	-10.61	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1424.00	-43.18	-25.00	-18.18	Vertical	1536.00	-42.11	-25.00	-17.11	Vertical
1762.00	-29.62	-25.00	-4.62	Vertical	1812.00	-39.43	-25.00	-14.43	Vertical
2076.00	-37.27	-25.00	-12.27	Vertical	1974.00	-38.94	-25.00	-13.94	Vertical
2474.00	-36.22	-25.00	-11.22	Vertical	2290.00	-36.29	-25.00	-11.29	Vertical
2504.00	26.51	-25.00	/	Vertical	2536.00	26.22	-25.00	/	Vertical
4995.00	-42.94	-25.00	-17.94	Vertical	5070.00	-41.90	-25.00	-16.90	Vertical
6885.00	-42.94	-25.00	-17.94	Vertical	6990.00	-46.99	-25.00	-21.99	Vertical
10290.00	-46.57	-25.00	-21.57	Vertical	10365.00	-45.80	-25.00	-20.80	Vertical
13530.00	-46.76	-25.00	-21.76	Vertical	13155.00	-42.89	-25.00	-17.89	Vertical
14400.00	-41.72	-25.00	-16.72	Vertical	14835.00	-40.64	-25.00	-15.64	Vertical
16950.00	-40.50	-25.00	-15.50	Vertical	17760.00	-36.35	-25.00	-11.35	Vertical
LTE B7 QPSK-5M-Low					LTE B7 QPSK-5M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1510.00	-42.44	-25.00	-17.44	Horizontal	1004.00	-44.25	-25.00	-19.25	Horizontal
1814.00	-39.47	-25.00	-14.47	Horizontal	1386.00	-43.36	-25.00	-18.36	Horizontal
1942.00	-37.84	-25.00	-12.84	Horizontal	1812.00	-39.05	-25.00	-14.05	Horizontal
2374.00	-36.14	-25.00	-11.14	Horizontal	2218.00	-37.50	-25.00	-12.50	Horizontal
2568.00	19.33	-25.00	/	Horizontal	2504.00	18.34	-25.00	/	Horizontal
2688.00	-29.38	-25.00	-4.38	Horizontal	2624.00	-29.06	-25.00	-4.06	Horizontal
5130.00	-36.13	-25.00	-11.13	Horizontal	4995.00	-39.95	-25.00	-14.95	Horizontal
7350.00	-48.43	-25.00	-23.43	Horizontal	7500.00	-46.19	-25.00	-21.19	Horizontal
11430.00	-45.92	-25.00	-20.92	Horizontal	11265.00	-46.23	-25.00	-21.23	Horizontal
13620.00	-45.36	-25.00	-20.36	Horizontal	14040.00	-44.34	-25.00	-19.34	Horizontal
14415.00	-43.77	-25.00	-18.77	Horizontal	14430.00	-43.53	-25.00	-18.53	Horizontal
17700.00	-42.63	-25.00	-17.63	Horizontal	17700.00	-42.22	-25.00	-17.22	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1420.00	-43.28	-25.00	-18.28	Vertical	1590.00	-40.33	-25.00	-15.33	Vertical
1764.00	-39.80	-25.00	-14.80	Vertical	1716.00	-39.47	-25.00	-14.47	Vertical
1972.00	-38.51	-25.00	-13.51	Vertical	1950.00	-38.23	-25.00	-13.23	Vertical
2156.00	-37.22	-25.00	-12.22	Vertical	2306.00	-36.93	-25.00	-11.93	Vertical
2568.00	26.82	-25.00	/	Vertical	2504.00	26.53	-25.00	/	Vertical
5130.00	-41.72	-25.00	-16.72	Vertical	4995.00	-39.97	-25.00	-14.97	Vertical
6570.00	-46.86	-25.00	-21.86	Vertical	7260.00	-39.97	-25.00	-14.97	Vertical
6915.00	-46.96	-25.00	-21.96	Vertical	11280.00	-48.04	-25.00	-23.04	Vertical
11070.00	-45.61	-25.00	-20.61	Vertical	14010.00	-45.65	-25.00	-20.65	Vertical
13890.00	-41.68	-25.00	-16.68	Vertical	14835.00	-44.56	-25.00	-19.56	Vertical
16470.00	-39.12	-25.00	-14.12	Vertical	16935.00	-44.02	-25.00	-19.02	Vertical
LTE B7 QPSK-5M-High					LTE B7 16QAM-5M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1428.00	-42.88	-25.00	-17.88	Horizontal	1360.00	-43.75	-25.00	-18.75	Horizontal
1642.00	-41.00	-25.00	-16.00	Horizontal	1462.00	-43.16	-25.00	-18.16	Horizontal
2040.00	-38.07	-25.00	-13.07	Horizontal	1844.00	-39.34	-25.00	-14.34	Horizontal
2398.00	-36.29	-25.00	-11.29	Horizontal	2172.00	-37.94	-25.00	-12.94	Horizontal
2536.00	18.74	-25.00	/	Horizontal	2568.00	19.01	-25.00	/	Horizontal
2656.00	-28.96	-25.00	-3.96	Horizontal	2690.00	-29.45	-25.00	-4.45	Horizontal
5070.00	-37.28	-25.00	-12.28	Horizontal	5130.00	-37.24	-25.00	-12.24	Horizontal
7605.00	-47.18	-25.00	-22.18	Horizontal	7695.00	-46.39	-25.00	-21.39	Horizontal
11400.00	-45.71	-25.00	-20.71	Horizontal	11310.00	-46.33	-25.00	-21.33	Horizontal
12315.00	-45.51	-25.00	-20.51	Horizontal	13845.00	-44.20	-25.00	-19.20	Horizontal
14010.00	-44.12	-25.00	-19.12	Horizontal	14370.00	-43.35	-25.00	-18.35	Horizontal
17805.00	-43.00	-25.00	-18.00	Horizontal	17780.00	-43.13	-25.00	-18.13	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-42.72	-25.00	-17.72	Vertical	1014.00	-43.90	-25.00	-18.90	Vertical
1722.00	-40.52	-25.00	-15.52	Vertical	1348.00	-43.75	-25.00	-18.75	Vertical
1950.00	-38.62	-25.00	-13.62	Vertical	1844.00	-39.07	-25.00	-14.07	Vertical
2294.00	-36.99	-25.00	-11.99	Vertical	2156.00	-37.29	-25.00	-12.29	Vertical
2536.00	26.49	-25.00	/	Vertical	2568.00	26.31	-25.00	/	Vertical
5070.00	-39.44	-25.00	-14.44	Vertical	5130.00	-38.63	-25.00	-13.63	Vertical
7275.00	-47.54	-25.00	-22.54	Vertical	7695.00	-47.71	-25.00	-22.71	Vertical
11265.00	-46.52	-25.00	-21.52	Vertical	11295.00	-45.89	-25.00	-20.89	Vertical
13845.00	-45.53	-25.00	-20.53	Vertical	14400.00	-44.23	-25.00	-19.23	Vertical
14775.00	-44.87	-25.00	-19.87	Vertical	15195.00	-44.22	-25.00	-19.22	Vertical
16950.00	-43.46	-25.00	-18.46	Vertical	17805.00	-42.95	-25.00	-17.95	Vertical
LTE B7 16QAM-5M-Mid					LTE B7 16QAM-5M-High				

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1354.00	-44.11	-25.00	-19.11	Horizontal	1238.00	-43.81	-25.00	-18.81	Horizontal
1710.00	-39.72	-25.00	-14.72	Horizontal	1488.00	-42.69	-25.00	-17.69	Horizontal
1808.00	-38.59	-25.00	-13.59	Horizontal	1960.00	-38.74	-25.00	-13.74	Horizontal
2042.00	-37.70	-25.00	-12.70	Horizontal	2404.00	-36.09	-25.00	-11.09	Horizontal
2510.00	18.34	-25.00	/	Horizontal	2536.00	18.73	-25.00	/	Horizontal
2630.00	-29.07	-25.00	-4.07	Horizontal	2650.00	-28.14	-25.00	-3.14	Horizontal
5010.00	-36.96	-25.00	-11.96	Horizontal	5070.00	-36.21	-25.00	-11.21	Horizontal
7530.00	-47.09	-25.00	-22.09	Horizontal	7245.00	-48.71	-25.00	-23.71	Horizontal
10470.00	-46.09	-25.00	-21.09	Horizontal	9405.00	-48.11	-25.00	-23.11	Horizontal
12285.00	-45.74	-25.00	-20.74	Horizontal	10380.00	-46.95	-25.00	-21.95	Horizontal
13830.00	-43.98	-25.00	-18.98	Horizontal	13035.00	-46.11	-25.00	-21.11	Horizontal
16815.00	-44.38	-25.00	-18.38	Horizontal	16875.00	-42.49	-25.00	-17.49	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1332.00	-42.72	-25.00	-17.72	Vertical	1174.00	-44.32	-25.00	-19.32	Vertical
1664.00	-40.83	-25.00	-15.83	Vertical	1510.00	-42.39	-25.00	-17.39	Vertical
1964.00	-38.83	-25.00	-13.83	Vertical	1924.00	-38.40	-25.00	-13.40	Vertical
2296.00	-36.93	-25.00	-11.93	Vertical	2184.00	-37.04	-25.00	-12.04	Vertical
2510.00	26.33	-25.00	/	Vertical	2536.00	26.11	-25.00	/	Vertical
5010.00	-38.69	-25.00	-13.69	Vertical	5070.00	-39.54	-25.00	-14.54	Vertical
8385.00	-38.69	-25.00	-13.69	Vertical	7305.00	-47.57	-25.00	-22.57	Vertical
11535.00	-48.27	-25.00	-23.27	Vertical	11280.00	-46.84	-25.00	-21.84	Vertical
13965.00	-45.92	-25.00	-20.92	Vertical	13905.00	-44.80	-25.00	-19.80	Vertical
15240.00	-45.35	-25.00	-20.35	Vertical	14775.00	-44.66	-25.00	-19.66	Vertical
17805.00	-44.30	-25.00	-19.30	Vertical	16890.00	-43.81	-25.00	-18.81	Vertical
LTE B7 QPSK-20M-Low					LTE B7 QPSK-20M-Mid				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1210.00	-44.01	-25.00	-19.01	Horizontal	1006.00	-43.99	-25.00	-18.99	Horizontal
1860.00	-39.51	-25.00	-14.51	Horizontal	1504.00	-42.59	-25.00	-17.59	Horizontal
2132.00	-37.78	-25.00	-12.78	Horizontal	1796.00	-39.96	-25.00	-14.96	Horizontal
2390.00	-36.01	-25.00	-11.01	Horizontal	2066.00	-38.06	-25.00	-13.06	Horizontal
2560.00	19.31	-25.00	/	Horizontal	2510.00	18.20	-25.00	/	Horizontal
2674.00	-29.39	-25.00	-4.39	Horizontal	2632.00	-29.25	-25.00	-4.25	Horizontal
5115.00	-36.19	-25.00	-11.19	Horizontal	5010.00	-37.50	-25.00	-12.50	Horizontal
7470.00	-47.78	-25.00	-22.78	Horizontal	7530.00	-46.31	-25.00	-21.31	Horizontal
11340.00	-46.82	-25.00	-21.82	Horizontal	10395.00	-47.44	-25.00	-22.44	Horizontal
13215.00	-45.17	-25.00	-20.17	Horizontal	13050.00	-45.64	-25.00	-20.64	Horizontal
14415.00	-44.32	-25.00	-19.32	Horizontal	16680.00	-43.72	-25.00	-18.72	Horizontal
17760.00	-43.40	-25.00	-18.40	Horizontal	17760.00	-43.22	-25.00	-18.22	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1634.00	-41.01	-25.00	-16.01	Vertical	1498.00	-42.13	-25.00	-17.13	Vertical
1800.00	-40.10	-25.00	-15.10	Vertical	1780.00	-40.00	-25.00	-15.00	Vertical
1962.00	-38.80	-25.00	-13.80	Vertical	2064.00	-38.38	-25.00	-13.38	Vertical
2372.00	-36.77	-25.00	-11.77	Vertical	2354.00	-36.95	-25.00	-11.95	Vertical
2560.00	25.90	-25.00	/	Vertical	2510.00	26.59	-25.00	/	Vertical
5115.00	-38.96	-25.00	-13.96	Vertical	5010.00	-40.54	-25.00	-15.54	Vertical
7245.00	-48.83	-25.00	-23.83	Vertical	7530.00	-40.54	-25.00	-15.54	Vertical
9330.00	-48.40	-25.00	-23.40	Vertical	12405.00	-46.77	-25.00	-21.77	Vertical
11475.00	-46.11	-25.00	-21.11	Vertical	13950.00	-45.83	-25.00	-20.83	Vertical
13950.00	-44.74	-25.00	-19.74	Vertical	14400.00	-45.01	-25.00	-20.01	Vertical
17805.00	-43.03	-25.00	-18.03	Vertical	17700.00	-44.79	-25.00	-19.79	Vertical
LTE B7 QPSK-20M-High					LTE B7 16QAM-20M-Low				
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1732.00	-39.37	-25.00	-14.37	Horizontal	1598.00	-41.96	-25.00	-16.96	Horizontal
1944.00	-38.54	-25.00	-13.54	Horizontal	1832.00	-38.68	-25.00	-13.68	Horizontal
2258.00	-36.98	-25.00	-11.98	Horizontal	2030.00	-37.30	-25.00	-12.30	Horizontal
2536.00	19.00	-25.00	/	Horizontal	2346.00	-36.41	-25.00	-11.41	Horizontal
2652.00	-29.40	-25.00	-4.40	Horizontal	2560.00	18.89	-25.00	/	Horizontal
2840.00	-32.06	-25.00	-7.06	Horizontal	2678.00	-28.76	-25.00	-3.76	Horizontal
5070.00	-34.92	-25.00	-9.92	Horizontal	5115.00	-38.00	-25.00	-13.00	Horizontal
7605.00	-46.69	-25.00	-21.69	Horizontal	7485.00	-48.47	-25.00	-23.47	Horizontal
10395.00	-47.48	-25.00	-22.48	Horizontal	11415.00	-46.39	-25.00	-21.39	Horizontal
12255.00	-45.71	-25.00	-20.71	Horizontal	13905.00	-44.86	-25.00	-19.86	Horizontal
14430.00	-44.21	-25.00	-19.21	Horizontal	14445.00	-44.33	-25.00	-19.33	Horizontal
17730.00	-43.73	-25.00	-18.73	Horizontal	17775.00	-43.58	-25.00	-18.58	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1326.00	-43.61	-25.00	-18.61	Vertical	1360.00	-43.77	-25.00	-18.77	Vertical
1584.00	-41.72	-25.00	-16.72	Vertical	1616.00	-41.48	-25.00	-16.48	Vertical
1862.00	-38.47	-25.00	-13.47	Vertical	1880.00	-37.81	-25.00	-12.81	Vertical
2180.00	-37.07	-25.00	-12.07	Vertical	2334.00	-36.84	-25.00	-11.84	Vertical
2536.00	26.24	-25.00	/	Vertical	2560.00	25.80	-25.00	/	Vertical
5070.00	-40.02	-25.00	-15.02	Vertical	5115.00	-41.04	-25.00	-16.04	Vertical
7605.00	-46.56	-25.00	-21.56	Vertical	7470.00	-47.58	-25.00	-22.58	Vertical
10440.00	-46.82	-25.00	-21.82	Vertical	10395.00	-46.79	-25.00	-21.79	Vertical
13725.00	-45.41	-25.00	-20.41	Vertical	13500.00	-45.84	-25.00	-20.84	Vertical
16905.00	-43.31	-25.00	-18.31	Vertical	14865.00	-44.37	-25.00	-19.37	Vertical
17805.00	-42.36	-25.00	-17.36	Vertical	17790.00	-43.49	-25.00	-18.49	Vertical
LTE B7 16QAM-20M-Mid					LTE B7 16QAM-20M-High				

LTE Band 17

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1405.00	-25.66	-13.00	-12.66	Horizontal
2116.00	-38.24	-13.00	-25.24	Horizontal
2827.00	-48.03	-13.00	-35.03	Horizontal
4240.00	-49.16	-13.00	-36.16	Horizontal
7471.00	-47.55	-13.00	-34.55	Horizontal
9892.00	-47.01	-13.00	-34.01	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1405.00	-27.55	-13.00	-14.55	Vertical
2116.00	-35.98	-13.00	-22.98	Vertical
2827.00	-38.26	-13.00	-25.26	Vertical
4240.00	-49.58	-13.00	-36.58	Vertical
6085.00	-52.68	-13.00	-39.68	Vertical
7372.00	-48.07	-13.00	-35.07	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-23.84	-13.00	-10.84	Horizontal
2125.00	-37.51	-13.00	-24.51	Horizontal
2836.00	-46.03	-13.00	-33.03	Horizontal
4258.00	-50.15	-13.00	-37.15	Horizontal
6463.00	-51.64	-13.00	-38.64	Horizontal
7228.00	-48.36	-13.00	-35.36	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-27.66	-13.00	-14.66	Vertical
2125.00	-33.89	-13.00	-20.89	Vertical
2836.00	-37.61	-13.00	-24.61	Vertical
4258.00	-50.24	-13.00	-37.24	Vertical
7318.00	-47.44	-13.00	-34.44	Vertical
9649.00	-47.05	-13.00	-34.05	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1423.00	-27.76	-13.00	-14.76	Horizontal
2134.00	-42.21	-13.00	-29.21	Horizontal
2854.00	-42.97	-13.00	-29.97	Horizontal
3565.00	-49.83	-13.00	-36.83	Horizontal
4285.00	-50.39	-13.00	-37.39	Horizontal
7318.00	-48.16	-13.00	-35.16	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1423.00	-30.27	-13.00	-17.27	Vertical
2134.00	-36.98	-13.00	-23.98	Vertical
2854.00	-36.19	-13.00	-23.19	Vertical
3565.00	-49.68	-13.00	-36.68	Vertical
4285.00	-48.61	-13.00	-35.61	Vertical
7291.00	-48.30	-13.00	-35.30	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1405.00	-25.01	-13.00	-12.01	Horizontal
2116.00	-39.77	-13.00	-26.77	Horizontal
2827.00	-50.65	-13.00	-37.65	Horizontal
3529.00	-52.73	-13.00	-39.73	Horizontal
4240.00	-49.87	-13.00	-36.87	Horizontal
7264.00	-48.37	-13.00	-35.37	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1405.00	-27.73	-13.00	-14.73	Vertical
2116.00	-36.20	-13.00	-23.20	Vertical
2827.00	-39.77	-13.00	-26.77	Vertical
4240.00	-51.58	-13.00	-38.58	Vertical
7282.00	-47.19	-13.00	-34.19	Vertical
9424.00	-46.95	-13.00	-33.95	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-25.12	-13.00	-12.12	Horizontal
2125.00	-37.70	-13.00	-24.70	Horizontal
2836.00	-46.75	-13.00	-33.75	Horizontal
3547.00	-52.03	-13.00	-39.03	Horizontal
4258.00	-49.61	-13.00	-36.61	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-27.47	-13.00	-14.47	Vertical
2125.00	-34.33	-13.00	-21.33	Vertical
2836.00	-37.98	-13.00	-24.98	Vertical
3547.00	-53.01	-13.00	-40.01	Vertical
4258.00	-49.82	-13.00	-36.82	Vertical
7309.00	-48.34	-13.00	-35.34	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1423.00	-28.17	-13.00	-15.17	Horizontal
2134.00	-41.47	-13.00	-28.47	Horizontal
2854.00	-44.01	-13.00	-31.01	Horizontal
3565.00	-51.52	-13.00	-38.52	Horizontal
4285.00	-50.53	-13.00	-37.53	Horizontal
7165.00	-48.55	-13.00	-35.55	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1423.00	-29.96	-13.00	-16.96	Vertical
2134.00	-37.16	-13.00	-24.16	Vertical
2854.00	-35.73	-13.00	-22.73	Vertical
3565.00	-51.17	-13.00	-38.17	Vertical
4285.00	-50.01	-13.00	-37.01	Vertical
7336.00	-48.06	-13.00	-35.06	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-24.96	-13.00	-11.96	Horizontal
2125.00	-37.58	-13.00	-24.58	Horizontal
2836.00	-46.80	-13.00	-33.80	Horizontal
3547.00	-52.50	-13.00	-39.50	Horizontal
4249.00	-51.10	-13.00	-38.10	Horizontal
7255.00	-48.46	-13.00	-35.46	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-27.23	-13.00	-14.23	Vertical
2125.00	-34.42	-13.00	-21.42	Vertical
2836.00	-40.60	-13.00	-27.60	Vertical
3547.00	-52.81	-13.00	-39.81	Vertical
4249.00	-49.86	-13.00	-36.86	Vertical
7264.00	-47.81	-13.00	-34.81	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-24.91	-13.00	-11.91	Horizontal
2125.00	-39.27	-13.00	-26.27	Horizontal
2836.00	-46.26	-13.00	-33.26	Horizontal
3547.00	-51.86	-13.00	-38.86	Horizontal
4258.00	-50.40	-13.00	-37.40	Horizontal
7318.00	-48.29	-13.00	-35.29	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-27.33	-13.00	-14.33	Vertical
2125.00	-35.18	-13.00	-22.18	Vertical
2836.00	-37.40	-13.00	-24.40	Vertical
4258.00	-50.30	-13.00	-37.30	Vertical
7453.00	-48.44	-13.00	-35.44	Vertical
9568.00	-46.44	-13.00	-33.44	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-24.67	-13.00	-11.67	Horizontal
2134.00	-40.51	-13.00	-27.51	Horizontal
2845.00	-45.32	-13.00	-32.32	Horizontal
3556.00	-50.19	-13.00	-37.19	Horizontal
4267.00	-50.77	-13.00	-37.77	Horizontal
7498.00	-47.80	-13.00	-34.80	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-28.70	-13.00	-15.70	Vertical
2134.00	-35.18	-13.00	-22.18	Vertical
2845.00	-36.80	-13.00	-23.80	Vertical
3556.00	-49.76	-13.00	-36.76	Vertical
4267.00	-48.50	-13.00	-35.50	Vertical
7498.00	-47.85	-13.00	-34.85	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-25.28	-13.00	-12.28	Horizontal
2125.00	-37.54	-13.00	-24.54	Horizontal
2836.00	-47.35	-13.00	-34.35	Horizontal
3547.00	-53.90	-13.00	-40.90	Horizontal
4258.00	-50.79	-13.00	-37.79	Horizontal
7228.00	-48.32	-13.00	-35.32	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-26.59	-13.00	-13.59	Vertical
2125.00	-33.90	-13.00	-20.90	Vertical
2836.00	-40.86	-13.00	-27.86	Vertical
3547.00	-51.33	-13.00	-38.33	Vertical
4249.00	-48.79	-13.00	-35.79	Vertical
7489.00	-48.06	-13.00	-35.06	Vertical

Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-26.72	-13.00	-13.72	Horizontal	1414.00	-25.97	-13.00	-12.97	Horizontal
2125.00	-39.46	-13.00	-26.46	Horizontal	2134.00	-40.25	-13.00	-27.25	Horizontal
2836.00	-46.36	-13.00	-33.36	Horizontal	2845.00	-45.06	-13.00	-32.06	Horizontal
3547.00	-51.94	-13.00	-38.94	Horizontal	3556.00	-50.37	-13.00	-37.37	Horizontal
4258.00	-50.97	-13.00	-37.97	Horizontal	4267.00	-51.32	-13.00	-38.32	Horizontal
7255.00	-48.07	-13.00	-35.07	Horizontal	7300.00	-48.42	-13.00	-35.42	Horizontal
Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization	Frequency (MHz)	Level (dB)	Limit Line (dB)	Over Limit (dB)	Polarization
1414.00	-27.20	-13.00	-14.20	Vertical	1414.00	-28.85	-13.00	-15.85	Vertical
2125.00	-34.83	-13.00	-21.83	Vertical	2134.00	-35.92	-13.00	-22.92	Vertical
2836.00	-38.14	-13.00	-25.14	Vertical	2845.00	-36.84	-13.00	-23.84	Vertical
3547.00	-53.93	-13.00	-40.93	Vertical	3556.00	-50.15	-13.00	-37.15	Vertical
4258.00	-51.20	-13.00	-38.20	Vertical	4267.00	-48.64	-13.00	-35.64	Vertical
7282.00	-47.91	-13.00	-34.91	Vertical	7318.00	-48.57	-13.00	-35.57	Vertical
LTE B17 16QAM-10M-Mid					LTE B17 16QAM-10M-High				

END OF REPORT