

**Test Result**
**WCDMA Band IV CH1312**

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3424.8	-50.8	2.6	10.15	Vertical	-45.4	-13	32.4	225
3	5137.2	-60.5	2.4	11.35	Vertical	-53.7	-13	40.7	315
4	6849.6	-56.2	4.5	10.85	Vertical	-52.0	-13	39.0	90
5	8562.0	-55.7	5.1	11.35	Vertical	-51.6	-13	38.6	180
6	10274.4	-53.3	5.3	11.95	Vertical	-48.8	-13	35.8	135
7	11986.8	-52.6	5.5	13.55	Vertical	-46.7	-13	33.7	270
8	13699.2	-50.3	6.3	13.75	Vertical	-45.0	-13	32.0	0
9	15411.6	-45.7	6.7	13.85	Vertical	-40.7	-13	27.7	45
10	17124.0	-44.6	6.8	14.25	Vertical	-39.3	-13	26.3	90

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

**WCDMA Band IV CH1413**

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.2	-55.4	2.6	10.75	Vertical	-49.4	-13	32.4	270
3	5197.8	-59.3	2.4	11.05	Vertical	-52.8	-13	40.7	315
4	6930.4	-57.8	4.5	11.15	Vertical	-53.3	-13	39.0	225
5	8663.0	-56.1	5.1	11.35	Vertical	-52.0	-13	38.6	135
6	10395.6	-52.6	5.3	11.95	Vertical	-48.1	-13	35.8	225
7	12128.2	-54.4	5.5	13.55	Vertical	-48.5	-13	33.7	315
8	13860.8	-52.6	6.3	13.75	Vertical	-47.3	-13	32.0	90
9	15593.4	-49.6	6.7	13.85	Vertical	-44.6	-13	27.7	180
10	17326.0	-45.7	6.8	14.25	Vertical	-40.4	-13	26.3	135

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

**WCDMA Band IV CH1513**

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3505.2	-50.9	2.6	10.15	Vertical	-45.5	-13	32.5	270
3	5257.8	-54.9	2.4	11.05	Vertical	-48.4	-13	35.4	0
4	7010.4	-57.2	4.5	11.15	Vertical	-52.7	-13	39.7	45
5	8763.0	-55.8	5.1	11.35	Vertical	-51.7	-13	38.7	90
6	10515.6	-53.9	5.3	11.95	Vertical	-49.4	-13	36.4	270
7	12268.2	-55.6	5.5	13.55	Vertical	-49.7	-13	36.7	315
8	14020.8	-50.8	6.3	13.75	Vertical	-45.5	-13	32.5	225
9	15773.4	-48.7	6.7	13.85	Vertical	-43.7	-13	30.7	135
10	17526.0	-44.9	6.8	14.25	Vertical	-39.6	-13	26.6	225

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

**LTE Band 4 QPSK Bandwidth = 1.4MHz CH19957, RB 1**

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3421.4	-51.4	2.6	10.15	Vertical	-46.0	-13	33.0	225
3	5132.1	-55.8	2.4	11.35	Vertical	-49.0	-13	36.0	270
4	6842.8	-56.5	4.5	10.85	Vertical	-52.3	-13	39.3	135
5	8553.5	-55.4	5.1	11.35	Vertical	-51.3	-13	38.3	135
6	10264.2	-53.9	5.3	11.95	Vertical	-49.4	-13	36.4	90
7	11974.9	-56.0	5.5	13.55	Vertical	-50.1	-13	37.1	90
8	13685.6	-54.4	6.3	13.75	Vertical	-49.1	-13	36.1	45
9	15396.3	-51.3	6.7	13.85	Vertical	-46.3	-13	33.3	135
10	17107.0	-46.5	6.8	14.25	Vertical	-41.2	-13	28.2	45

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 1.4MHz CH20175, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.0	-53.7	2.6	10.75	Vertical	-47.7	-13	34.7	0
3	5197.5	-52.5	2.4	11.05	Vertical	-46.0	-13	33.0	90
4	6930.0	-51.9	4.5	11.15	Vertical	-47.4	-13	34.4	135
5	8662.5	-55.4	5.1	11.35	Vertical	-51.3	-13	38.3	270
6	10395.0	-54.4	5.3	11.95	Vertical	-49.9	-13	36.9	315
7	12127.5	-55.2	5.5	13.55	Vertical	-49.3	-13	36.3	225
8	13860.0	-52.2	6.3	13.75	Vertical	-46.9	-13	33.9	270
9	15592.5	-48.5	6.7	13.85	Vertical	-43.5	-13	30.5	0
10	17325.0	-46.9	6.8	14.25	Vertical	-41.6	-13	28.6	45

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 1.4MHz CH20393, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3508.6	-51.9	2.6	10.15	Vertical	-46.5	-13	33.5	45
3	5262.9	-55.2	2.4	11.05	Vertical	-48.7	-13	35.7	90
4	7017.2	-57.7	4.5	11.15	Vertical	-53.2	-13	40.2	135
5	8771.5	-53.5	5.1	11.35	Vertical	-49.4	-13	36.4	180
6	10525.8	-44.9	5.3	11.95	Vertical	-40.4	-13	27.4	225
7	12280.1	-54.6	5.5	13.55	Vertical	-48.7	-13	35.7	270
8	14034.4	-50.5	6.3	13.75	Vertical	-45.2	-13	32.2	135
9	15788.7	-48.2	6.7	13.85	Vertical	-43.2	-13	30.2	90
10	17543.0	-46.5	6.8	14.25	Vertical	-41.2	-13	28.2	225

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 3MHz CH19965, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3423.0	-50.3	2.6	10.15	Vertical	-44.9	-13	31.9	225
3	5134.5	-53.7	2.4	11.35	Vertical	-46.9	-13	33.9	270
4	6846.0	-54.4	4.5	10.85	Vertical	-50.2	-13	37.2	135
5	8557.5	-54.2	5.1	11.35	Vertical	-50.1	-13	37.1	225
6	10269.0	-54.5	5.3	11.95	Vertical	-50.0	-13	37.0	270
7	11980.5	-55.9	5.5	13.55	Vertical	-50.0	-13	37.0	135
8	13692.0	-51.1	6.3	13.75	Vertical	-45.8	-13	32.8	0
9	15403.5	-49.8	6.7	13.85	Vertical	-44.8	-13	31.8	45
10	17115.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	90

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 3MHz CH20175, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.0	-51.3	2.6	10.75	Vertical	-45.3	-13	32.3	90
3	5197.5	-51.9	2.4	11.05	Vertical	-45.4	-13	32.4	45
4	6930.0	-52.2	4.5	11.15	Vertical	-47.7	-13	34.7	135
5	8662.5	-54.8	5.1	11.35	Vertical	-50.7	-13	37.7	225
6	10395.0	-55.1	5.3	11.95	Vertical	-50.6	-13	37.6	270
7	12127.5	-55.1	5.5	13.55	Vertical	-49.2	-13	36.2	0
8	13860.0	-52.1	6.3	13.75	Vertical	-46.8	-13	33.8	45
9	15592.5	-48.8	6.7	13.85	Vertical	-43.8	-13	30.8	90
10	17325.0	-46.9	6.8	14.25	Vertical	-41.6	-13	28.6	270

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 3MHz CH20385, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3507.0	-49.7	2.6	10.15	Vertical	-44.3	-13	31.3	0
3	5260.5	-50.9	2.4	11.05	Vertical	-44.4	-13	31.4	135
4	7014.0	-53.6	4.5	11.15	Vertical	-49.1	-13	36.1	90
5	8767.5	-53.9	5.1	11.35	Vertical	-49.8	-13	36.8	45
6	10521.0	-53.6	5.3	11.95	Vertical	-49.1	-13	36.1	90
7	12274.5	-54.9	5.5	13.55	Vertical	-49.0	-13	36.0	90
8	14028.0	-51.3	6.3	13.75	Vertical	-46.0	-13	33.0	135
9	15781.5	-48.7	6.7	13.85	Vertical	-43.7	-13	30.7	225
10	17535.0	-47.4	6.8	14.25	Vertical	-42.1	-13	29.1	270

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 5MHz CH19975, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3425.0	-50.8	2.6	10.15	Vertical	-45.4	-13	32.4	225
3	5137.5	-54.3	2.4	11.35	Vertical	-47.5	-13	34.5	270
4	6850.0	-54.8	4.5	10.85	Vertical	-50.6	-13	37.6	45
5	8562.5	-55.8	5.1	11.35	Vertical	-51.7	-13	38.7	90
6	10275.0	-54.2	5.3	11.95	Vertical	-49.7	-13	36.7	0
7	11987.5	-56.3	5.5	13.55	Vertical	-50.4	-13	37.4	45
8	13700.0	-52.0	6.3	13.75	Vertical	-46.7	-13	33.7	225
9	15412.5	-50.2	6.7	13.85	Vertical	-45.2	-13	32.2	180
10	17125.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	315

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 5MHz CH20175, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.0	-52.1	2.6	10.75	Vertical	-46.1	-13	33.1	270
3	5197.5	-52.6	2.4	11.05	Vertical	-46.1	-13	33.1	225
4	6930.0	-53.2	4.5	11.15	Vertical	-48.7	-13	35.7	270
5	8662.5	-55.4	5.1	11.35	Vertical	-51.3	-13	38.3	225
6	10395.0	-54.1	5.3	11.95	Vertical	-49.6	-13	36.6	180
7	12127.5	-54.8	5.5	13.55	Vertical	-48.9	-13	35.9	315
8	13860.0	-52.0	6.3	13.75	Vertical	-46.7	-13	33.7	225
9	15592.5	-48.4	6.7	13.85	Vertical	-43.4	-13	30.4	315
10	17325.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	180

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 5MHz CH20375, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3505.0	-48.7	2.6	10.15	Vertical	-43.3	-13	30.3	225
3	5257.5	-50.7	2.4	11.05	Vertical	-44.2	-13	31.2	315
4	7010.0	-53.3	4.5	11.15	Vertical	-48.8	-13	35.8	270
5	8762.5	-54.9	5.1	11.35	Vertical	-50.8	-13	37.8	90
6	10515.0	-54.7	5.3	11.95	Vertical	-50.2	-13	37.2	45
7	12267.5	-56.0	5.5	13.55	Vertical	-50.1	-13	37.1	0
8	14020.0	-51.9	6.3	13.75	Vertical	-46.6	-13	33.6	180
9	15772.5	-48.6	6.7	13.85	Vertical	-43.6	-13	30.6	135
10	17525.0	-47.6	6.8	14.25	Vertical	-42.3	-13	29.3	180

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 10MHz CH20000, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3430.0	-50.9	2.6	10.15	Vertical	-45.5	-13	32.5	225
3	5145.0	-55.0	2.4	11.35	Vertical	-48.2	-13	35.2	270
4	6860.0	-54.0	4.5	10.85	Vertical	-49.8	-13	36.8	135
5	8575.0	-56.2	5.1	11.35	Vertical	-52.1	-13	39.1	90
6	10290.0	-54.3	5.3	11.95	Vertical	-49.8	-13	36.8	45
7	12005.0	-55.4	5.5	13.55	Vertical	-49.5	-13	36.5	90
8	13720.0	-52.3	6.3	13.75	Vertical	-47.0	-13	34.0	135
9	15435.0	-49.5	6.7	13.85	Vertical	-44.5	-13	31.5	225
10	17150.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 10MHz CH20175, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.0	-52.7	2.6	10.75	Vertical	-46.7	-13	33.7	45
3	5197.5	-52.2	2.4	11.05	Vertical	-45.7	-13	32.7	45
4	6930.0	-52.4	4.5	11.15	Vertical	-47.9	-13	34.9	90
5	8662.5	-56.0	5.1	11.35	Vertical	-51.9	-13	38.9	90
6	10395.0	-53.7	5.3	11.95	Vertical	-49.2	-13	36.2	225
7	12127.5	-55.2	5.5	13.55	Vertical	-49.3	-13	36.3	270
8	13860.0	-52.1	6.3	13.75	Vertical	-46.8	-13	33.8	315
9	15592.5	-49.5	6.7	13.85	Vertical	-44.5	-13	31.5	225
10	17325.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	225

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 10MHz CH20350, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3500.0	-50.1	2.6	10.15	Vertical	-44.7	-13	31.7	270
3	5250.0	-51.5	2.4	11.05	Vertical	-45.0	-13	32.0	0
4	7000.0	-54.8	4.5	11.15	Vertical	-50.3	-13	37.3	45
5	8750.0	-54.4	5.1	11.35	Vertical	-50.3	-13	37.3	270
6	10500.0	-54.6	5.3	11.95	Vertical	-50.1	-13	37.1	90
7	12250.0	-54.5	5.5	13.55	Vertical	-48.6	-13	35.6	315
8	14000.0	-56.2	6.3	13.75	Vertical	-50.9	-13	37.9	225
9	15750.0	-48.3	6.7	13.85	Vertical	-43.3	-13	30.3	270
10	17500.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 15MHz CH20025, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3435.0	-50.7	2.6	10.15	Vertical	-45.3	-13	32.3	90
3	5152.5	-55.1	2.4	11.35	Vertical	-48.3	-13	35.3	225
4	6870.0	-55.2	4.5	10.85	Vertical	-51.0	-13	38.0	135
5	8587.5	-55.4	5.1	11.35	Vertical	-51.3	-13	38.3	180
6	10305.0	-54.7	5.3	11.95	Vertical	-50.2	-13	37.2	225
7	12022.5	-55.0	5.5	13.55	Vertical	-49.1	-13	36.1	315
8	13740.0	-51.8	6.3	13.75	Vertical	-46.5	-13	33.5	0
9	15457.5	-50.2	6.7	13.85	Vertical	-45.2	-13	32.2	45
10	17175.0	-46.7	6.8	14.25	Vertical	-41.4	-13	28.4	90

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 15MHz CH20175, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.0	-52.4	2.6	10.75	Vertical	-46.4	-13	33.4	90
3	5197.5	-53.0	2.4	11.05	Vertical	-46.5	-13	33.5	45
4	6930.0	-52.2	4.5	11.15	Vertical	-47.7	-13	34.7	225
5	8662.5	-55.1	5.1	11.35	Vertical	-51.0	-13	38.0	0
6	10395.0	-54.8	5.3	11.95	Vertical	-50.3	-13	37.3	315
7	12127.5	-54.8	5.5	13.55	Vertical	-48.9	-13	35.9	225
8	13860.0	-51.7	6.3	13.75	Vertical	-46.4	-13	33.4	225
9	15592.5	-47.9	6.7	13.85	Vertical	-42.9	-13	29.9	315
10	17325.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 15MHz CH20325, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3495.0	-50.4	2.6	10.15	Vertical	-45.0	-13	32.0	45
3	5242.5	-52.0	2.4	11.05	Vertical	-45.5	-13	32.5	90
4	6990.0	-54.7	4.5	11.15	Vertical	-50.2	-13	37.2	45
5	8737.5	-54.8	5.1	11.35	Vertical	-50.7	-13	37.7	225
6	10485.0	-52.7	5.3	11.95	Vertical	-48.2	-13	35.2	315
7	12232.5	-55.8	5.5	13.55	Vertical	-49.9	-13	36.9	225
8	13980.0	-51.8	6.3	13.75	Vertical	-46.5	-13	33.5	90
9	15727.5	-49.4	6.7	13.85	Vertical	-44.4	-13	31.4	180
10	17475.0	-46.5	6.8	14.25	Vertical	-41.2	-13	28.2	180

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 20MHz CH20050, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3440.0	-50.5	2.6	10.15	Vertical	-45.1	-13	32.1	225
3	5160.0	-55.7	2.4	11.35	Vertical	-48.9	-13	35.9	45
4	6880.0	-54.1	4.5	10.85	Vertical	-49.9	-13	36.9	0
5	8600.0	-55.6	5.1	11.35	Vertical	-51.5	-13	38.5	90
6	10320.0	-54.7	5.3	11.95	Vertical	-50.2	-13	37.2	135
7	12040.0	-53.8	5.5	13.55	Vertical	-47.9	-13	34.9	90
8	13760.0	-51.6	6.3	13.75	Vertical	-46.3	-13	33.3	0
9	15480.0	-49.9	6.7	13.85	Vertical	-44.9	-13	31.9	45
10	17200.0	-46.6	6.8	14.25	Vertical	-41.3	-13	28.3	225

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 20MHz CH20175, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.0	-52.7	2.6	10.75	Vertical	-46.7	-13	33.7	45
3	5197.5	-52.9	2.4	11.05	Vertical	-46.4	-13	33.4	90
4	6930.0	-53.6	4.5	11.15	Vertical	-49.1	-13	36.1	225
5	8662.5	-55.2	5.1	11.35	Vertical	-51.1	-13	38.1	135
6	10395.0	-53.0	5.3	11.95	Vertical	-48.5	-13	35.5	270
7	12127.5	-55.1	5.5	13.55	Vertical	-49.2	-13	36.2	180
8	13860.0	-52.1	6.3	13.75	Vertical	-46.8	-13	33.8	225
9	15592.5	-49.2	6.7	13.85	Vertical	-44.2	-13	31.2	45
10	17325.0	-47.3	6.8	14.25	Vertical	-42.0	-13	29.0	0

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 4 QPSK Bandwidth = 20MHz CH20300, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3490.0	-52.1	2.6	10.15	Vertical	-46.7	-13	33.7	0
3	5235.0	-54.1	2.4	11.05	Vertical	-47.6	-13	34.6	45
4	6980.0	-54.6	4.5	11.15	Vertical	-50.1	-13	37.1	270
5	8725.0	-54.0	5.1	11.35	Vertical	-49.9	-13	36.9	225
6	10470.0	-52.6	5.3	11.95	Vertical	-48.1	-13	35.1	135
7	12215.0	-54.9	5.5	13.55	Vertical	-49.0	-13	36.0	225
8	13960.0	-51.9	6.3	13.75	Vertical	-46.6	-13	33.6	90
9	15705.0	-50.1	6.7	13.85	Vertical	-45.1	-13	32.1	0
10	17450.0	-46.3	6.8	14.25	Vertical	-41.0	-13	28.0	45

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 5MHz CH20775, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5005.0	-57.1	2.00	9.15	Vertical	-52.1	-25	27.1	45
3	7507.5	-58.4	2.50	11.35	Vertical	-51.7	-25	26.7	90
4	10010.0	-55.9	4.20	12.05	Vertical	-50.2	-25	25.2	225
5	12512.5	-54.9	5.20	12.85	Vertical	-49.4	-25	24.4	135
6	15015.0	-51.6	5.50	14.23	Vertical	-45.0	-25	20.0	270
7	17517.5	-46.1	5.70	14.15	Vertical	-39.8	-25	14.8	180
8	20020.0	-91.6	6.30	13.76	Vertical	-86.3	-25	61.3	225
9	22522.5	-93.4	6.80	14.05	Vertical	-88.3	-25	63.3	45
10	25025.0	-91.2	6.90	14.84	Vertical	-85.4	-25	60.4	0

Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.



LTE Band 7 QPSK Bandwidth = 5MHz CH21100, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5046.0	-57.9	2.00	9.15	Vertical	-52.9	-25	27.9	0
3	7569.0	-58.0	2.50	11.35	Vertical	-51.3	-25	26.3	45
4	10092.0	-56.0	4.20	12.05	Vertical	-50.3	-25	25.3	270
5	12615.0	-53.9	5.20	12.85	Vertical	-48.4	-25	23.4	90
6	15138.0	-51.8	5.50	14.23	Vertical	-45.2	-25	20.2	0
7	17661.0	-47.2	5.70	14.15	Vertical	-40.9	-25	15.9	45
8	20184.0	-93.6	6.30	13.76	Vertical	-88.3	-25	63.3	90
9	22707.0	-93.9	6.80	14.05	Vertical	-88.8	-25	63.8	135
10	25230.0	-91.7	6.90	14.84	Vertical	-85.9	-25	60.9	90

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 5MHz CH21425, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5135.0	-56.3	2.00	9.15	Vertical	-51.3	-25	26.3	0
3	7702.5	-58.5	2.50	11.35	Vertical	-51.8	-25	26.8	45
4	10270.0	-56.3	4.20	12.05	Vertical	-50.6	-25	25.6	225
5	12837.5	-53.8	5.20	12.85	Vertical	-48.3	-25	23.3	45
6	15405.0	-50.3	5.50	14.23	Vertical	-43.7	-25	18.7	45
7	17972.5	-47.5	5.70	14.15	Vertical	-41.2	-25	16.2	90
8	20540.0	-92.0	6.30	13.76	Vertical	-86.7	-25	61.7	225
9	23107.5	-91.3	6.80	14.05	Vertical	-86.2	-25	61.2	135
10	25675.0	-89.3	6.90	14.84	Vertical	-83.5	-25	58.5	270

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 10MHz CH20800, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5010.0	-57.3	2.00	9.15	Vertical	-52.3	-25	27.3	180
3	7515.0	-58.8	2.50	11.35	Vertical	-52.1	-25	27.1	225
4	10020.0	-55.7	4.20	12.05	Vertical	-50.0	-25	25.0	45
5	12525.0	-53.6	5.20	12.85	Vertical	-48.1	-25	23.1	0
6	15030.0	-51.1	5.50	14.23	Vertical	-44.5	-25	19.5	0
7	17535.0	-45.6	5.70	14.15	Vertical	-39.3	-25	14.3	45
8	20040.0	-89.6	6.30	13.76	Vertical	-84.3	-25	59.3	270
9	22545.0	-90.5	6.80	14.05	Vertical	-85.4	-25	60.4	90
10	25050.0	-88.1	6.90	14.84	Vertical	-82.3	-25	57.3	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 10MHz CH21100, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5046.0	-58.5	2.00	9.15	Vertical	-53.5	-25	28.5	45
3	7569.0	-57.8	2.50	11.35	Vertical	-51.1	-25	26.1	90
4	10092.0	-56.3	4.20	12.05	Vertical	-50.6	-25	25.6	135
5	12615.0	-53.7	5.20	12.85	Vertical	-48.2	-25	23.2	90
6	15138.0	-51.6	5.50	14.23	Vertical	-45.0	-25	20.0	0
7	17661.0	-47.8	5.70	14.15	Vertical	-41.5	-25	16.5	45
8	20184.0	-93.6	6.30	13.76	Vertical	-88.3	-25	63.3	225
9	22707.0	-92.8	6.80	14.05	Vertical	-87.7	-25	62.7	45
10	25230.0	-89.3	6.90	14.84	Vertical	-83.5	-25	58.5	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 10MHz CH21400, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5130.0	-57.4	2.00	10.15	Vertical	-51.4	-25	26.4	90
3	7695.0	-58.0	2.50	11.35	Vertical	-51.3	-25	26.3	225
4	10260.0	-55.9	4.20	12.05	Vertical	-50.2	-25	25.2	135
5	12825.0	-55.8	5.20	14.85	Vertical	-48.3	-25	23.3	270
6	15390.0	-50.7	5.50	13.23	Vertical	-45.1	-25	20.1	180
7	17955.0	-45.1	5.70	12.15	Vertical	-40.8	-25	15.8	225
8	20520.0	-92.9	6.30	13.76	Vertical	-87.6	-25	62.6	45
9	23085.0	-91.4	6.80	14.05	Vertical	-86.3	-25	61.3	0
10	25650.0	-59.3	6.90	14.84	Vertical	-53.5	-25	28.5	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 15MHz CH20825, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5015.0	-58.2	2.00	10.15	Vertical	-52.2	-25	27.2	45
3	7522.5	-58.0	2.50	11.35	Vertical	-51.3	-25	26.3	270
4	10030.0	-56.2	4.20	12.05	Vertical	-50.5	-25	25.5	90
5	12537.5	-57.0	5.20	14.85	Vertical	-49.5	-25	24.5	0
6	15045.0	-50.8	5.50	13.23	Vertical	-45.2	-25	20.2	45
7	17552.5	-43.7	5.70	12.15	Vertical	-39.4	-25	14.4	90
8	20060.0	-92.8	6.30	13.76	Vertical	-87.5	-25	62.5	135
9	22567.5	-91.4	6.80	14.05	Vertical	-86.3	-25	61.3	90
10	25075.0	-89.0	6.90	14.84	Vertical	-83.2	-25	58.2	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 15MHz CH21100, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5046.0	-59.3	2.00	10.15	Vertical	-53.3	-25	28.3	45
3	7569.0	-58.8	2.50	11.35	Vertical	-52.1	-25	27.1	225
4	10092.0	-55.7	4.20	12.05	Vertical	-50.0	-25	25.0	45
5	12615.0	-56.9	5.20	14.85	Vertical	-49.4	-25	24.4	45
6	15138.0	-50.5	5.50	13.23	Vertical	-44.9	-25	19.9	90
7	17661.0	-46.2	5.70	12.15	Vertical	-41.9	-25	16.9	225
8	20184.0	-93.5	6.30	13.76	Vertical	-88.2	-25	63.2	135
9	22707.0	-91.1	6.80	14.05	Vertical	-86.0	-25	61.0	270
10	25230.0	-89.0	6.90	14.84	Vertical	-83.2	-25	58.2	180

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 15MHz CH21375, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5125.0	-57.6	2.00	10.15	Vertical	-51.6	-25	26.6	225
3	7687.5	-56.5	2.50	11.35	Vertical	-49.8	-25	24.8	45
4	10250.0	-56.0	4.20	12.05	Vertical	-50.3	-25	25.3	0
5	12812.5	-54.9	5.20	14.85	Vertical	-47.4	-25	22.4	0
6	15375.0	-50.4	5.50	13.23	Vertical	-44.8	-25	19.8	45
7	17937.5	-44.5	5.70	12.15	Vertical	-40.2	-25	15.2	270
8	20500.0	-92.9	6.30	13.76	Vertical	-87.6	-25	62.6	90
9	23062.5	-91.4	6.80	14.05	Vertical	-86.3	-25	61.3	0
10	25625.0	-89.3	6.90	14.84	Vertical	-83.5	-25	58.5	45

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 20MHz CH20850, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5020.0	-55.6	2.00	10.15	Vertical	-49.6	-25	24.6	90
3	7530.0	-58.0	2.50	11.35	Vertical	-51.3	-25	26.3	135
4	10040.0	-57.5	4.20	12.05	Vertical	-51.8	-25	26.8	90
5	12550.0	-57.0	5.20	14.85	Vertical	-49.5	-25	24.5	0
6	15060.0	-50.2	5.50	13.23	Vertical	-44.6	-25	19.6	45
7	17570.0	-45.5	5.70	12.15	Vertical	-41.2	-25	16.2	225
8	20080.0	-92.5	6.30	13.76	Vertical	-87.2	-25	62.2	45
9	22590.0	-90.3	6.80	14.05	Vertical	-85.2	-25	60.2	45
10	25100.0	-87.5	6.90	14.84	Vertical	-81.7	-25	56.7	90

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 20MHz CH21100, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5046.0	-54.9	2.00	10.15	Vertical	-48.9	-25	23.9	225
3	7569.0	-58.1	2.50	11.35	Vertical	-51.4	-25	26.4	135
4	10092.0	-57.5	4.20	12.05	Vertical	-51.8	-25	26.8	270
5	12615.0	-55.6	5.20	14.85	Vertical	-48.1	-25	23.1	180
6	15138.0	-50.5	5.50	13.23	Vertical	-44.9	-25	19.9	225
7	17661.0	-44.9	5.70	12.15	Vertical	-40.6	-25	15.6	45
8	20184.0	-94.0	6.30	13.76	Vertical	-88.7	-25	63.7	0
9	22707.0	-89.7	6.80	14.05	Vertical	-84.6	-25	59.6	0
10	25230.0	-87.0	6.90	14.84	Vertical	-81.2	-25	56.2	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 7 QPSK Bandwidth = 20MHz CH21350, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5120.0	-53.7	2.00	10.15	Vertical	-47.7	-25	22.7	270
3	7680.0	-58.2	2.50	11.35	Vertical	-51.5	-25	26.5	90
4	10240.0	-57.6	4.20	12.05	Vertical	-51.9	-25	26.9	0
5	12800.0	-56.2	5.20	14.85	Vertical	-48.7	-25	23.7	45
6	15360.0	-50.3	5.50	13.23	Vertical	-44.7	-25	19.7	90
7	17920.0	-45.5	5.70	12.15	Vertical	-41.2	-25	16.2	135
8	20480.0	-92.9	6.30	13.76	Vertical	-87.6	-25	62.6	90
9	23040.0	-91.3	6.80	14.05	Vertical	-86.2	-25	61.2	0
10	25600.0	-87.0	6.90	14.84	Vertical	-81.2	-25	56.2	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 1.4MHz CH23017, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1399.4	-69.8	2.00	10.15	Vertical	-63.8	-13	50.8	180
3	2099.1	-66.5	2.50	11.35	Vertical	-59.8	-13	46.8	225
4	2798.8	-59.3	4.20	10.85	Vertical	-54.8	-13	41.8	45
5	3498.5	-62.1	5.20	11.35	Vertical	-58.1	-13	45.1	0
6	4198.2	-61.2	5.50	11.95	Vertical	-56.9	-13	43.9	0
7	4897.9	-60.4	5.70	13.55	Vertical	-54.7	-13	41.7	45
8	5597.6	-60.5	6.30	13.75	Vertical	-55.2	-13	42.2	270
9	6297.3	-59.1	6.80	13.85	Vertical	-54.2	-13	41.2	90
10	6997.0	-58.7	6.90	14.25	Vertical	-53.5	-13	40.5	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 1.4MHz CH23095, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.0	-69.4	2.00	10.75	Vertical	-62.8	-13	49.8	45
3	2122.5	-65.6	2.51	11.05	Vertical	-59.2	-13	46.2	90
4	2830.0	-58.9	4.20	11.15	Vertical	-54.1	-13	41.1	135
5	3537.5	-61.6	5.20	11.15	Vertical	-57.8	-13	44.8	90
6	4245.0	-60.5	5.50	11.95	Vertical	-56.2	-13	43.2	0
7	4952.5	-61.5	5.70	13.55	Vertical	-55.8	-13	42.8	45
8	5660.0	-60.5	6.30	13.75	Vertical	-55.2	-13	42.2	225
9	6367.5	-57.9	6.80	13.85	Vertical	-53.0	-13	40.0	45
10	7075.0	-59.2	6.90	14.25	Vertical	-54.0	-13	41.0	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 1.4MHz CH23173, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1430.6	-69.4	2.00	10.15	Vertical	-63.4	-13	50.4	90
3	2145.9	-64.9	2.51	11.05	Vertical	-58.5	-13	45.5	225
4	2861.2	-59.5	4.20	11.15	Vertical	-54.7	-13	41.7	135
5	3576.5	-61.5	5.20	11.15	Vertical	-57.7	-13	44.7	180
6	4291.8	-59.6	5.50	11.95	Vertical	-55.3	-13	42.3	225
7	5007.1	-61.7	5.70	13.55	Vertical	-56.0	-13	43.0	45
8	5722.4	-59.5	6.30	13.75	Vertical	-54.2	-13	41.2	0
9	6437.7	-57.8	6.80	13.85	Vertical	-52.9	-13	39.9	0
10	7153.0	-58.6	6.90	14.25	Vertical	-53.4	-13	40.4	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 3MHz CH23025, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1401.0	-69.0	2.00	10.15	Vertical	-63.0	-13	50.0	270
3	2101.5	-62.6	2.51	11.35	Vertical	-55.9	-13	42.9	90
4	2802.0	-58.7	4.20	10.85	Vertical	-54.2	-13	41.2	0
5	3502.5	-61.1	5.20	11.35	Vertical	-57.1	-13	44.1	45
6	4203.0	-61.7	5.50	11.95	Vertical	-57.4	-13	44.4	90
7	4903.5	-62.0	5.70	13.55	Vertical	-56.3	-13	43.3	135
8	5604.0	-61.0	6.30	13.75	Vertical	-55.7	-13	42.7	90
9	6304.5	-59.1	6.80	13.85	Vertical	-54.2	-13	41.2	0
10	7005.0	-58.4	6.90	14.25	Vertical	-53.2	-13	40.2	45

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 3MHz CH23095, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.0	-68.4	2.00	10.75	Vertical	-61.8	-13	48.8	225
3	2122.5	-65.7	2.51	11.05	Vertical	-59.3	-13	46.3	45
4	2830.0	-59.5	4.20	11.15	Vertical	-54.7	-13	41.7	45
5	3537.5	-62.1	5.20	11.15	Vertical	-58.3	-13	45.3	90
6	4245.0	-61.0	5.50	11.95	Vertical	-56.7	-13	43.7	225
7	4952.5	-61.3	5.70	13.55	Vertical	-55.6	-13	42.6	135
8	5660.0	-59.9	6.30	13.75	Vertical	-54.6	-13	41.6	180
9	6367.5	-58.4	6.80	13.85	Vertical	-53.5	-13	40.5	225
10	7075.0	-59.0	6.90	14.25	Vertical	-53.8	-13	40.8	45

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 3MHz CH23165, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1429.0	-68.8	2.00	10.15	Vertical	-62.8	-13	49.8	0
3	2143.5	-63.0	2.51	11.05	Vertical	-56.6	-13	43.6	0
4	2858.0	-58.4	4.20	11.15	Vertical	-53.6	-13	40.6	45
5	3572.5	-60.6	5.20	11.15	Vertical	-56.8	-13	43.8	270
6	4287.0	-60.9	5.50	11.95	Vertical	-56.6	-13	43.6	90
7	5001.5	-61.5	5.70	13.55	Vertical	-55.8	-13	42.8	0
8	5716.0	-60.4	6.30	13.75	Vertical	-55.1	-13	42.1	45
9	6430.5	-58.0	6.80	13.85	Vertical	-53.1	-13	40.1	90
10	7145.0	-58.9	6.90	14.25	Vertical	-53.7	-13	40.7	135

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 5MHz CH23035, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1403.0	-70.2	2.00	10.15	Vertical	-64.2	-13	51.2	90
3	2104.5	-66.0	2.50	11.35	Vertical	-59.3	-13	46.3	0
4	2806.0	-59.7	4.20	10.85	Vertical	-55.2	-13	42.2	45
5	3507.5	-62.2	5.20	11.35	Vertical	-58.2	-13	45.2	225
6	4209.0	-61.1	5.50	11.95	Vertical	-56.8	-13	43.8	45
7	4910.5	-61.9	5.70	13.55	Vertical	-56.2	-13	43.2	45
8	5612.0	-60.5	6.30	13.75	Vertical	-55.2	-13	42.2	90
9	6313.5	-61.6	6.80	13.85	Vertical	-56.7	-13	43.7	225
10	7015.0	-58.1	6.90	14.25	Vertical	-52.9	-13	39.9	135

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 5MHz CH23095, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.0	-69.6	2.00	10.75	Vertical	-63.0	-13	50.0	180
3	2122.5	-64.5	2.51	11.05	Vertical	-58.1	-13	45.1	225
4	2830.0	-59.9	4.20	11.15	Vertical	-55.1	-13	42.1	45
5	3537.5	-61.9	5.20	11.15	Vertical	-58.1	-13	45.1	0
6	4245.0	-60.1	5.50	11.95	Vertical	-55.8	-13	42.8	0
7	4952.5	-61.2	5.70	13.55	Vertical	-55.5	-13	42.5	45
8	5660.0	-59.9	6.30	13.75	Vertical	-54.6	-13	41.6	270
9	6367.5	-58.8	6.80	13.85	Vertical	-53.9	-13	40.9	90
10	7075.0	-59.6	6.90	14.25	Vertical	-54.4	-13	41.4	0

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 5MHz CH23155, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1427.0	-68.7	2.00	10.15	Vertical	-62.7	-13	49.7	45
3	2140.5	-65.2	2.51	11.05	Vertical	-58.8	-13	45.8	90
4	2854.0	-60.0	4.20	11.15	Vertical	-55.2	-13	42.2	135
5	3567.5	-61.8	5.20	11.15	Vertical	-58.0	-13	45.0	90
6	4281.0	-60.9	5.50	11.95	Vertical	-56.6	-13	43.6	0
7	4994.5	-61.8	5.70	13.55	Vertical	-56.1	-13	43.1	45
8	5708.0	-60.2	6.30	13.75	Vertical	-54.9	-13	41.9	225
9	6421.5	-58.0	6.80	13.85	Vertical	-53.1	-13	40.1	45
10	7135.0	-58.7	6.90	14.25	Vertical	-53.5	-13	40.5	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 10MHz CH23060, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1408.0	-69.2	2.00	10.15	Vertical	-63.2	-13	50.2	90
3	2112.0	-65.1	2.51	11.35	Vertical	-58.4	-13	45.4	225
4	2816.0	-58.7	4.20	10.85	Vertical	-54.2	-13	41.2	135
5	3520.0	-62.1	5.20	11.35	Vertical	-58.1	-13	45.1	180
6	4224.0	-60.8	5.50	11.95	Vertical	-56.5	-13	43.5	225
7	4928.0	-61.3	5.70	13.55	Vertical	-55.6	-13	42.6	45
8	5632.0	-60.2	6.30	13.75	Vertical	-54.9	-13	41.9	0
9	6336.0	-58.6	6.80	13.85	Vertical	-53.7	-13	40.7	0
10	7040.0	-58.3	6.90	14.25	Vertical	-53.1	-13	40.1	45

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 10MHz CH23095, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.0	-70.0	2.00	10.75	Vertical	-63.4	-13	50.4	270
3	2122.5	-65.7	2.51	11.05	Vertical	-59.3	-13	46.3	90
4	2830.0	-59.9	4.20	11.15	Vertical	-55.1	-13	42.1	0
5	3537.5	-61.2	5.20	11.15	Vertical	-57.4	-13	44.4	45
6	4245.0	-61.8	5.50	11.95	Vertical	-57.5	-13	44.5	90
7	4952.5	-61.9	5.70	13.55	Vertical	-56.2	-13	43.2	135
8	5660.0	-60.4	6.30	13.75	Vertical	-55.1	-13	42.1	90
9	6367.5	-59.4	6.80	13.85	Vertical	-54.5	-13	41.5	0
10	7075.0	-58.9	6.90	14.25	Vertical	-53.7	-13	40.7	45

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 12 QPSK Bandwidth = 10MHz CH23130, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1422.0	-69.2	2.00	10.15	Vertical	-63.2	-13	50.2	225
3	2133.0	-64.0	2.51	11.05	Vertical	-57.6	-13	44.6	45
4	2844.0	-60.0	4.20	11.15	Vertical	-55.2	-13	42.2	45
5	3555.0	-61.6	5.20	11.15	Vertical	-57.8	-13	44.8	90
6	4266.0	-60.6	5.50	11.95	Vertical	-56.3	-13	43.3	225
7	4977.0	-62.1	5.70	13.55	Vertical	-56.4	-13	43.4	135
8	5688.0	-60.0	6.30	13.75	Vertical	-54.7	-13	41.7	180
9	6399.0	-58.9	6.80	13.85	Vertical	-54.0	-13	41.0	225
10	7110.0	-58.0	6.90	14.25	Vertical	-52.8	-13	39.8	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 17 QPSK Bandwidth = 5MHz CH23755, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1413.0	-58.45	2.00	9.15	Vertical	-62.1	-13	49.1	0
3	2119.5	-61.32	2.50	11.35	Vertical	-53.2	-13	40.2	45
4	2826.0	-58.37	4.20	12.05	Vertical	-51.3	-13	38.3	90
5	3532.5	-57.73	5.20	12.85	Vertical	-57.3	-13	44.3	135
6	4239.0	-87.25	5.50	14.23	Vertical	-56.6	-13	43.6	90
7	4945.5	-89.20	5.70	14.15	Vertical	-55.9	-13	42.9	0
8	5652.0	-90.18	6.30	13.76	Vertical	-54.3	-13	41.3	45
9	6358.5	-86.74	6.80	14.05	Vertical	-54.5	-13	41.5	225
10	7065.0	-85.09	6.90	14.84	Vertical	-54.2	-13	41.2	45

- Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.



LTE Band 17 QPSK Bandwidth = 5MHz CH23790, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1420.0	-53.91	2.00	9.15	Vertical	-64.1	-13	51.1	45
3	2130.0	-57.98	2.50	11.35	Vertical	-55.2	-13	42.2	90
4	2840.0	-52.45	4.20	12.05	Vertical	-53.1	-13	40.1	225
5	3550.0	-53.40	5.20	12.85	Vertical	-58.1	-13	45.1	135
6	4260.0	-88.20	5.50	14.23	Vertical	-57.5	-13	44.5	270
7	4970.0	-87.94	5.70	14.15	Vertical	-55.9	-13	42.9	90
8	5680.0	-88.58	6.30	13.76	Vertical	-55.8	-13	42.8	0
9	6390.0	-85.27	6.80	14.05	Vertical	-53.7	-13	40.7	45
10	7100.0	-85.23	6.90	14.84	Vertical	-53.2	-13	40.2	90

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 17 QPSK Bandwidth = 5MHz CH23825, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1427.0	-51.90	2.00	9.15	Vertical	-62.3	-13	49.3	135
3	2140.5	-45.96	2.50	11.35	Vertical	-53.2	-13	40.2	90
4	2854.0	-47.62	4.20	12.05	Vertical	-51.3	-13	38.3	0
5	3567.5	-41.14	5.20	12.85	Vertical	-58.2	-13	45.2	45
6	4341.0	-86.88	5.50	14.23	Vertical	-56.9	-13	43.9	225
7	4994.5	-88.92	5.70	14.15	Vertical	-55.9	-13	42.9	45
8	5708.0	-89.04	6.30	13.76	Vertical	-55.5	-13	42.5	45
9	6421.5	-86.74	6.80	14.05	Vertical	-54.2	-13	41.2	90
10	7135.0	-85.53	6.90	14.84	Vertical	-53.4	-13	40.4	225

Note: 1.The other Spurious RF Radiated emissions level is no more than noise floor.

2. The worst emission was found in the antenna is vertical position.

LTE Band 17 QPSK Bandwidth = 10MHz CH23780, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1418.0	-46.35	2.00	9.15	Vertical	-64.4	-13	51.4	135
3	2127.0	-50.68	2.50	11.35	Vertical	-60.0	-13	47.0	180
4	2836.0	-51.39	4.20	12.05	Vertical	-56.0	-13	43.0	225
5	3545.0	-49.12	5.20	12.85	Vertical	-58.3	-13	45.3	270
6	4254.0	-88.22	5.50	14.23	Vertical	-56.8	-13	43.8	90
7	4963.0	-88.91	5.70	14.15	Vertical	-56.1	-13	43.1	0
8	5672.0	-90.18	6.30	13.76	Vertical	-54.9	-13	41.9	45
9	6381.0	-86.74	6.80	14.05	Vertical	-53.6	-13	40.6	90
10	7090.0	-85.52	6.90	14.84	Vertical	-54.6	-13	41.6	135

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.

LTE Band 17 QPSK Bandwidth = 10MHz CH23790, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1420.0	-51.35	2.00	9.15	Vertical	-64.6	-13	51.6	90
3	2130.0	-49.96	2.50	11.35	Vertical	-59.7	-13	46.7	0
4	2840.0	-48.68	4.20	12.05	Vertical	-56.1	-13	43.1	45
5	3550.0	-39.53	5.20	12.85	Vertical	-58.2	-13	45.2	225
6	4260.0	-88.22	5.50	14.23	Vertical	-56.4	-13	43.4	45
7	4970.0	-87.70	5.70	14.15	Vertical	-55.6	-13	42.6	45
8	5680.0	-88.58	6.30	13.76	Vertical	-54.9	-13	41.9	90
9	6390.0	-85.27	6.80	14.05	Vertical	-54.2	-13	41.2	225
10	7100.0	-85.71	6.90	14.84	Vertical	-54.0	-13	41.0	135

- Note: 1. The other Spurious RF Radiated emissions level is no more than noise floor.  
 2. The worst emission was found in the antenna is vertical position.