

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.