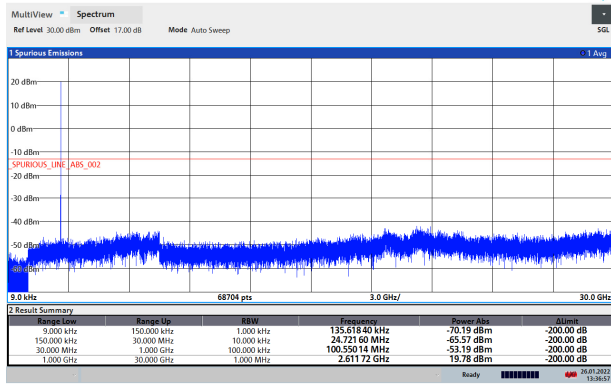


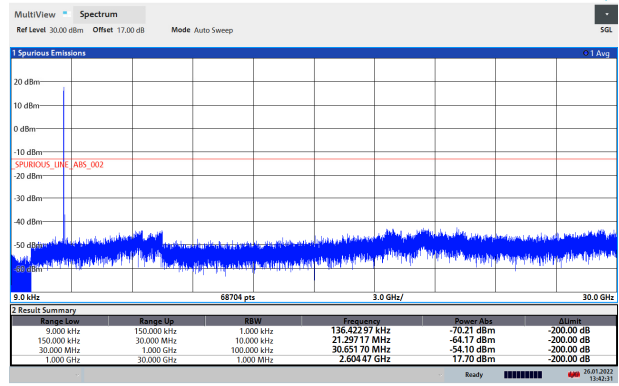


CA_41C QPSK 20MHz+5MHz CH- Middle 9kHz~30GHz



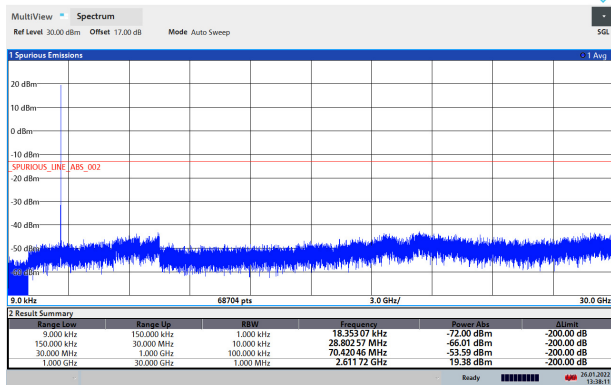
13:36:57 26.01.2022

CA_41C QPSK 20MHz+20MHz CH- Middle 9kHz~30GHz



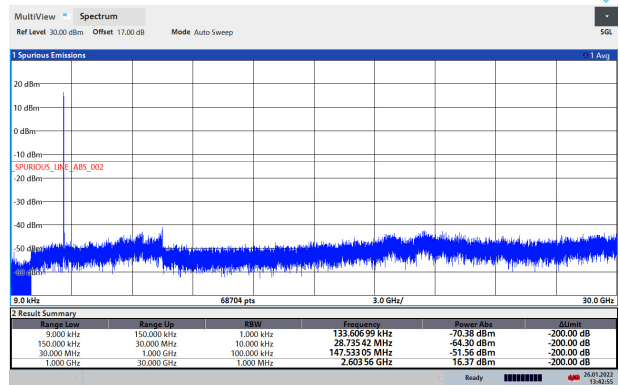
13:42:32 26.01.2022

CA_41C 16QAM 20MHz+5MHz CH- Middle 9kHz~30GHz



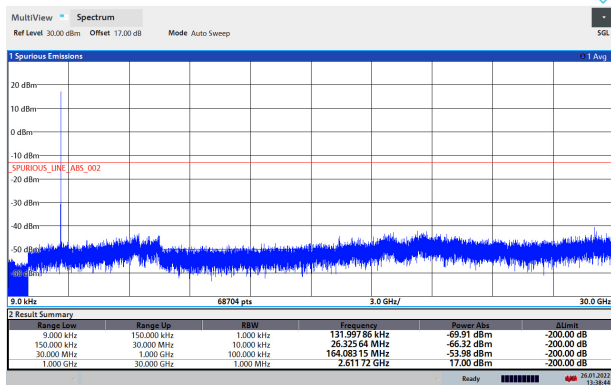
13:38:11 26.01.2022

CA_41C 16QAM 20MHz+20MHz CH- Middle 9kHz~30GHz



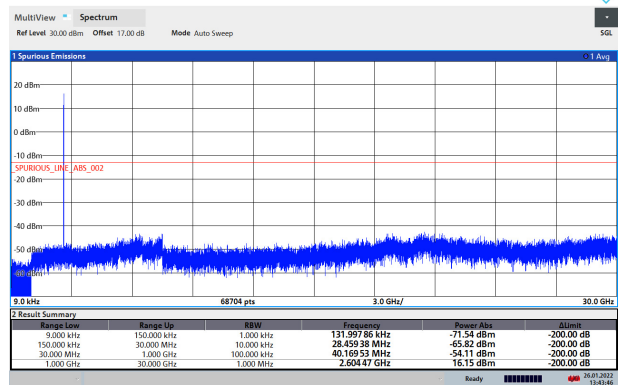
13:42:56 26.01.2022

CA_41C 64QAM 20MHz+5MHz CH- Middle 9kHz~30GHz



13:38:45 26.01.2022

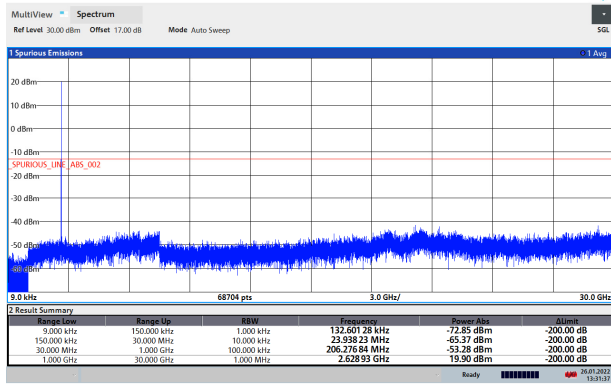
CA_41C 64QAM 20MHz+20MHz CH- Middle 9kHz~30GHz



13:43:47 26.01.2022

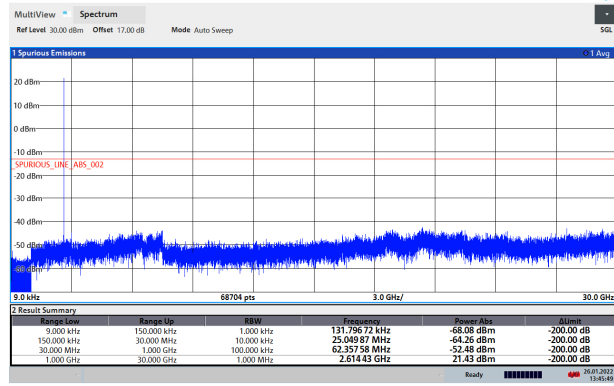


CA_41C QPSK 20MHz+5MHz CH- High 9kHz~30GHz



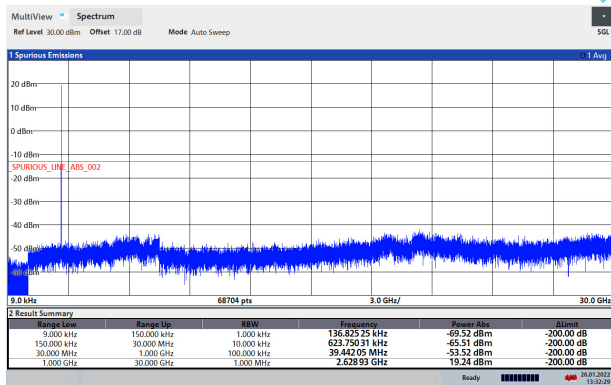
13:31:38 26.01.2022

CA_41C QPSK 20MHz+20MHz CH- High 9kHz~30GHz



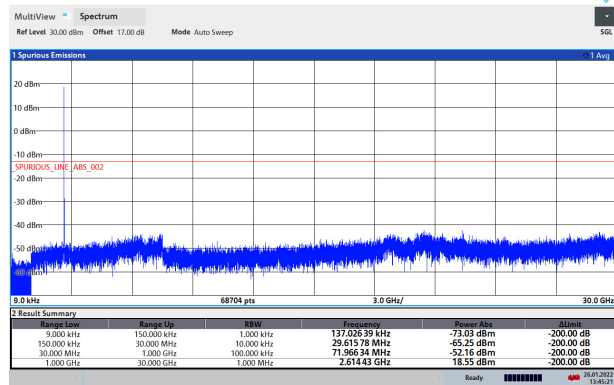
13:45:50 26.01.2022

CA_41C 16QAM 20MHz+5MHz CH- High 9kHz~30GHz



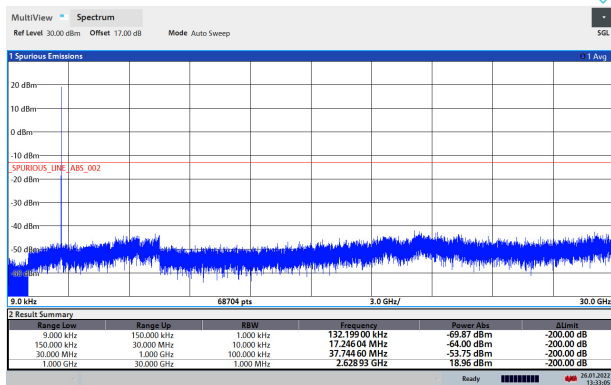
13:32:30 26.01.2022

CA_41C 16QAM 20MHz+20MHz CH- High 9kHz~30GHz



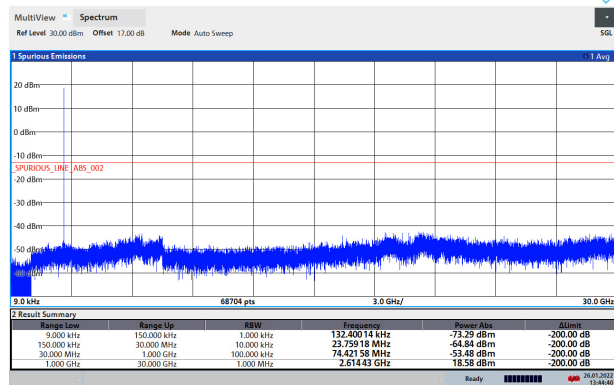
13:45:21 26.01.2022

CA_41C 64QAM 20MHz+5MHz CH- High 9kHz~30GHz



13:33:05 26.01.2022

CA_41C 64QAM 20MHz+20MHz CH- High 9kHz~30GHz



13:44:41 26.01.2022

5.7 Radiates Spurious Emission

Ambient condition

Temperature	Relative humidity	Pressure
23°C ~25°C	45%~50%	101.5kPa

Method of Measurement

- The testing follows FCC KDB 971168 D01 v03r01 Section 5.8 and ANSI C63.26 (2015).
- Below 1GHz: The EUT is placed on a turntable 0.8 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H). Above 1GHz: (Note: the FCC's permission to use 1.5m as an alternative per TCBC Conf call of Dec. 2, 2014.) The EUT is placed on a turntable 1.5 meters above the ground in the chamber, 3 meter away from the antenna. The maximal emission value is acquired by adjusting the antenna height, polarisation and turntable azimuth. Normally, the height range of antenna is 1 m to 4 m, the azimuth range of turntable is 0° to 360°, and the receive antenna has two polarizations Vertical (V) and Horizontal (H).
- A loop antenna, A log-periodic antenna or horn antenna shall be substituted in place of the EUT. The log-periodic antenna will be driven by a signal generator and the level will be adjusted till the same power value on the spectrum analyzer or receiver. The level of the spurious emissions can be calculated through the level of the signal generator, cable loss, the gain of the substitution antenna and the reading of the spectrum analyzer or receiver.
- The EUT is then put into continuously transmitting mode at its maximum power level during the test. Set Test Receiver or Spectrum RBW=100kHz, VBW=300kHz for 30MHz to 1GHz and RBW=1MHz, VBW=3MHz for above 1GHz, and the maximum value of the receiver should be recorded as (Pr).
- The EUT shall be replaced by a substitution antenna. In the chamber, an substitution antenna for the frequency band of interest is placed at the reference point of the chamber. An RF Signal source for the frequency band of interest is connected to the substitution antenna with a cable that has been constructed to not interfere with the radiation pattern of the antenna. A power (PMea) is applied to the input of the substitution antenna, and adjust the level of the signal generator output until the value of the receiver reach the previously recorded (Pr). The power of signal source (PMea) is recorded. The test should be performed by rotating the test item and adjusting the receiving antenna polarization.
- A amplifier should be connected to the Signal Source output port. And the cable should be connect between the Amplifier and the Substitution Antenna. The cable loss (Pcl) ,the Substitution Antenna Gain (Ga) and the Amplifier Gain (PAg) should be recorded after test.
- The measurement results are obtained as described below:

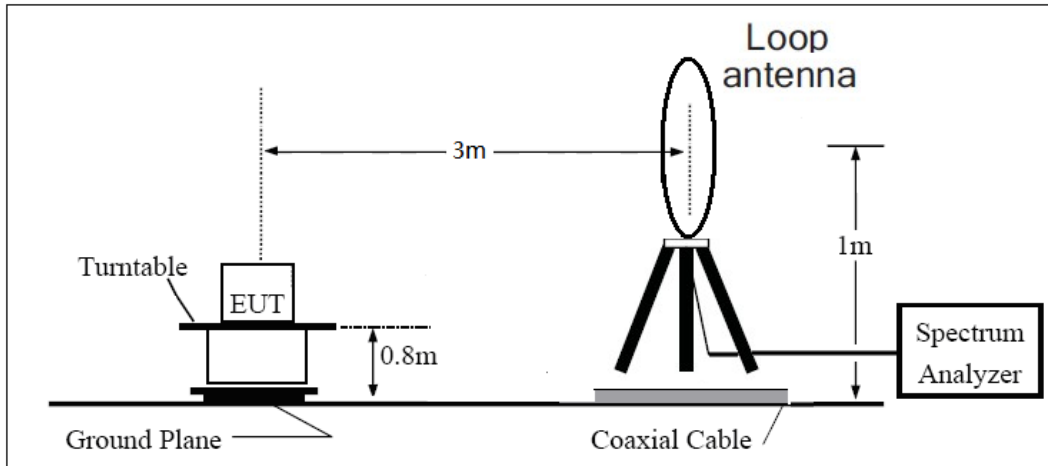
$$\text{Power(EIRP)} = \text{PMea} - \text{PAg} - \text{Pcl} + \text{Ga}$$
 The measurement results are amend as described below:

$$\text{Power(EIRP)} = \text{PMea} - \text{Pcl} + \text{Ga}$$
- This value is EIRP since the measurement is calibrated using an antenna of known gain (2.15 dB) and known input power. ERP can be calculated from EIRP by subtracting the gain of the dipole, $\text{ERP} = \text{EIRP} - 2.15\text{dB}$.

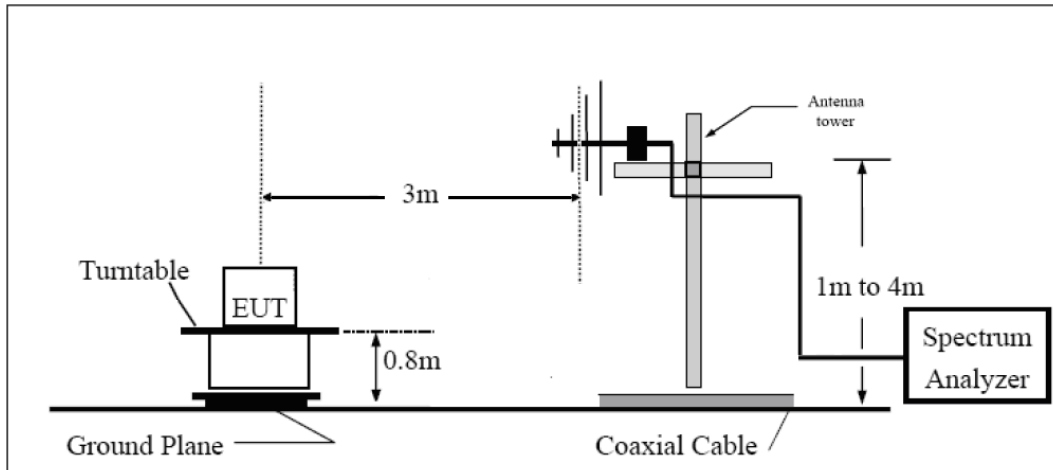
The modulation mode and RB allocation refer to section 5.1, using the maximum output power configuration.

Test setup

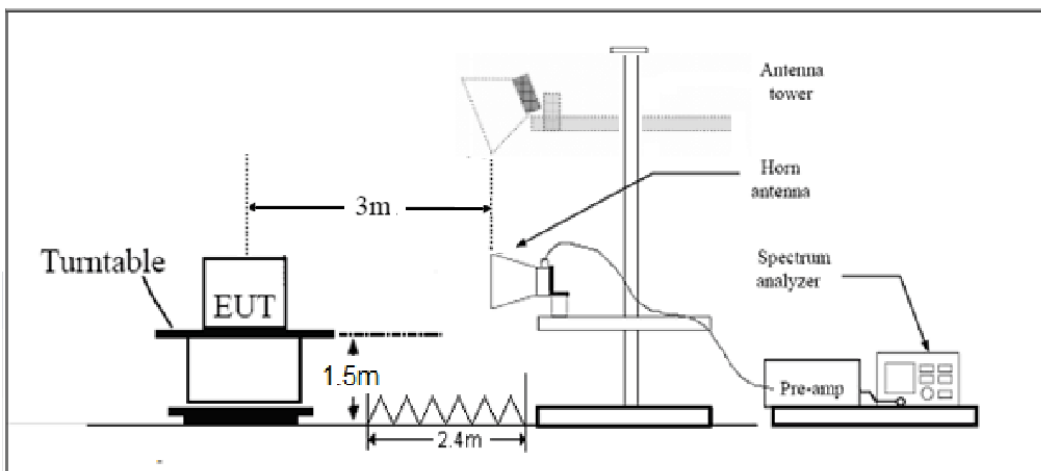
9KHz ~ 30MHz



30MHz ~ 1GHz



Above 1GHz



Note: Area side:2.4mX3.6m

Limits



Rule Part 27.53(h) specifies that “for operations in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz, and 2180-2200 bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.”

Rule Part 27.53 (g) For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

Rule Part 27.53(m) $55 + 10 \log(P)$ 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)(4) of this section.

Rule Part 27.53(f) For operations in the 746-758 MHz, 775-788 MHz, and 805-806 MHz bands, emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

Part 27.53 (c) For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

- (1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB;
- (3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations;
- (4) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log(P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;
- (5) Compliance with the provisions of paragraphs (c)(1) and (c)(2) of this section is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater. However, in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed;

Part 27.53(h)/(g) Limit		-13 dBm
Part 27.53(f) Limit	Limit out of the band 1559-1610 MHz	-13 dBm
	Limit in the band 1559-1610 MHz	-40 dBm
Part 27.53(m) Limit		-25 dBm

Measurement Uncertainty

The assessed measurement uncertainty to ensure 95% confidence level for the normal distribution is with the coverage factor $k = \pm 1.96$, $U = \pm 3.55$ dB.

**Test Result**

Sweep the whole frequency band through the range from 9kHz to the 10th harmonic of the carrier, the emissions below the noise floor will not be recorded in the report.

Main Antenna

WCDMA Band IV CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.20	-66.74	2.70	12.70	Vertical	-56.74	-13.00	43.74	0
3	5197.80	-64.25	3.20	12.50	Vertical	-54.95	-13.00	41.95	45
4	6930.40	-60.23	4.20	11.80	Vertical	-52.63	-13.00	39.63	315
5	8663.00	-56.29	4.40	12.50	Vertical	-48.19	-13.00	35.19	90
6	10395.60	-52.36	4.70	11.30	Vertical	-45.76	-13.00	32.76	45
7	12128.20	-54.80	5.20	13.80	Vertical	-46.20	-13.00	33.20	270
8	13860.80	-48.60	5.70	11.30	Vertical	-43.00	-13.00	30.00	90
9	15593.40	-55.90	6.10	16.80	Vertical	-45.20	-13.00	32.20	45
10	17326.00	-49.62	6.10	14.20	Vertical	-41.52	-13.00	28.52	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 4 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-64.67	2.70	12.70	Horizontal	-54.67	-13.00	41.67	0
3	5197.50	-59.74	3.20	12.50	Horizontal	-50.44	-13.00	37.44	45
4	6930.00	-60.66	4.20	11.80	Horizontal	-53.06	-13.00	40.06	315
5	8662.50	-57.66	4.40	12.50	Horizontal	-49.56	-13.00	36.56	0
6	10395.00	-52.97	4.70	11.30	Horizontal	-46.37	-13.00	33.37	315
7	12127.50	-54.55	5.20	13.80	Horizontal	-45.95	-13.00	32.95	45
8	13860.00	-48.83	5.70	11.30	Horizontal	-43.23	-13.00	30.23	270
9	15592.50	-56.59	6.10	16.80	Horizontal	-45.89	-13.00	32.89	0
10	17325.00	-50.71	6.10	14.20	Horizontal	-42.61	-13.00	29.61	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 Horizontal position.



LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-64.19	2.70	12.70	Horizontal	-54.19	-13.00	41.19	270
3	5191.50	-59.65	3.20	12.50	Horizontal	-50.35	-13.00	37.35	0
4	6930.00	-61.04	4.20	11.80	Horizontal	-53.44	-13.00	40.44	45
5	8662.50	-57.48	4.40	12.50	Horizontal	-49.38	-13.00	36.38	315
6	10395.00	-53.27	4.70	11.30	Horizontal	-46.67	-13.00	33.67	180
7	12127.50	-54.24	5.20	13.80	Horizontal	-45.64	-13.00	32.64	90
8	13860.00	-49.87	5.70	11.30	Horizontal	-44.27	-13.00	31.27	0
9	15592.50	-57.56	6.10	16.80	Horizontal	-46.86	-13.00	33.86	45
10	17325.00	-52.33	6.10	14.20	Horizontal	-44.23	-13.00	31.23	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 Horizontal position.

LTE Band 4 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3447.75	-67.12	2.70	12.70	Horizontal	-57.12	-13.00	44.12	180
3	5170.88	-58.96	3.20	12.50	Horizontal	-49.66	-13.00	36.66	0
4	6930.00	-59.72	4.20	11.80	Horizontal	-52.12	-13.00	39.12	45
5	8662.50	-57.64	4.40	12.50	Horizontal	-49.54	-13.00	36.54	315
6	10395.00	-53.97	4.70	11.30	Horizontal	-47.37	-13.00	34.37	270
7	12127.50	-55.00	5.20	13.80	Horizontal	-46.40	-13.00	33.40	180
8	13860.00	-49.41	5.70	11.30	Horizontal	-43.81	-13.00	30.81	0
9	15592.50	-58.36	6.10	16.80	Horizontal	-47.66	-13.00	34.66	45
10	17325.00	-51.34	6.10	14.20	Horizontal	-43.24	-13.00	30.24	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 Horizontal position.



LTE Band 7 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.80	-60.56	3.40	12.50	Horizontal	-51.46	-25.00	26.46	135
3	7598.60	-57.53	4.40	12.20	Horizontal	-49.73	-25.00	24.73	45
4	10130.63	-51.39	4.70	11.30	Horizontal	-44.79	-25.00	19.79	270
5	12675.00	-52.42	5.40	13.20	Horizontal	-44.62	-25.00	19.62	0
6	15210.00	-47.32	6.10	13.10	Horizontal	-40.32	-25.00	15.32	315
7	17745.00	-49.58	6.10	14.20	Horizontal	-41.48	-25.00	16.48	90
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 7 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.20	-61.24	3.40	12.50	Horizontal	-52.14	-25.00	27.14	45
3	7578.30	-57.67	4.40	12.20	Horizontal	-49.87	-25.00	24.87	270
4	10104.40	-52.15	4.70	11.30	Horizontal	-45.55	-25.00	20.55	135
5	12630.50	-51.40	5.40	13.20	Horizontal	-43.60	-25.00	18.60	90
6	15156.60	-47.80	6.10	13.10	Horizontal	-40.80	-25.00	15.80	180
7	17745.00	-50.62	6.10	14.20	Horizontal	-42.52	-25.00	17.52	0
8	20208.80	--	--	--	--	--	--	--	--
9	22734.90	--	--	--	--	--	--	--	--
10	25261.00	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 12 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-64.32	1.70	8.70	Horizontal	-59.47	-13.00	46.47	270
3	2122.50	-64.31	2.10	11.10	Horizontal	-57.46	-13.00	44.46	135
4	2830.00	-66.50	2.30	13.10	Horizontal	-57.85	-13.00	44.85	90
5	3537.50	-64.48	2.60	12.70	Horizontal	-56.53	-13.00	43.53	45
6	4245.00	-62.93	3.30	12.50	Horizontal	-55.88	-13.00	42.88	90
7	4952.50	-61.82	3.40	12.50	Horizontal	-54.87	-13.00	41.87	315
8	5660.00	-58.99	3.30	12.50	Horizontal	-51.94	-13.00	38.94	270
9	6367.50	-58.42	3.80	11.50	Horizontal	-52.87	-13.00	39.87	135
10	7075.00	-56.98	4.20	11.80	Horizontal	-51.53	-13.00	38.53	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 Horizontal position.

LTE Band 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.60	-63.32	1.70	8.70	Horizontal	-58.47	-13.00	45.47	270
3	2115.90	-64.29	2.10	11.10	Horizontal	-57.44	-13.00	44.44	45
4	2821.20	-65.10	2.30	13.10	Horizontal	-56.45	-13.00	43.45	180
5	3512.50	-64.43	2.60	12.70	Horizontal	-56.48	-13.00	43.48	270
6	4215.00	-62.99	3.30	12.50	Horizontal	-55.94	-13.00	42.94	270
7	4917.50	-61.03	3.40	12.50	Horizontal	-54.08	-13.00	41.08	45
8	5620.00	-58.78	3.30	12.50	Horizontal	-51.73	-13.00	38.73	135
9	6322.50	-58.97	3.80	11.50	Horizontal	-53.42	-13.00	40.42	90
10	7025.00	-56.70	4.20	11.80	Horizontal	-51.25	-13.00	38.25	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 Horizontal position.



LTE Band 12 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1406.40	-60.38	1.70	8.70	Horizontal	-55.53	-13.00	42.53	45
3	2109.60	-59.75	2.10	11.10	Horizontal	-52.90	-13.00	39.90	270
4	2812.80	-64.32	2.30	13.10	Horizontal	-55.67	-13.00	42.67	0
5	3537.50	-63.41	2.60	12.70	Horizontal	-55.46	-13.00	42.46	45
6	4245.00	-62.99	3.30	12.50	Horizontal	-55.94	-13.00	42.94	270
7	4952.50	-60.97	3.40	12.50	Horizontal	-54.02	-13.00	41.02	135
8	5660.00	-59.80	3.30	12.50	Horizontal	-52.75	-13.00	39.75	45
9	6367.50	-58.07	3.80	11.50	Horizontal	-52.52	-13.00	39.52	90
10	7075.00	-56.04	4.20	11.80	Horizontal	-50.59	-13.00	37.59	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 Horizontal position.

LTE Band 13 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1559.55	-69.92	2.10	12.00	Horizontal	-62.17	-40.00	22.17	135
Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
3	2338.50	-59.33	2.10	12.00	Horizontal	-51.58	-13.00	38.58	90
4	3118.00	-62.17	2.30	13.10	Horizontal	-53.52	-13.00	40.52	270
5	3897.50	-64.30	2.90	12.50	Horizontal	-56.85	-13.00	43.85	0
6	4677.00	-61.55	3.10	12.50	Horizontal	-54.30	-13.00	41.30	0
7	5456.50	-60.15	3.30	12.50	Horizontal	-53.10	-13.00	40.10	45
8	6236.00	-59.32	3.50	12.80	Horizontal	-52.17	-13.00	39.17	135
9	7015.50	-57.04	4.20	11.80	Horizontal	-51.59	-13.00	38.59	90
10	7795.00	-56.27	4.40	12.30	Horizontal	-50.52	-13.00	37.52	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 13 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1555.00	-65.89	1.70	8.70	Horizontal	-61.04	-13.00	48.04	270
3	2332.73	-62.02	2.10	12.00	Horizontal	-54.27	-13.00	41.27	0
4	3108.00	-62.00	2.30	13.10	Horizontal	-53.35	-13.00	40.35	45
5	3885.00	-63.90	2.90	12.50	Horizontal	-56.45	-13.00	43.45	45
6	4662.00	-62.22	3.10	12.50	Horizontal	-54.97	-13.00	41.97	180
7	5439.00	-60.52	3.30	12.50	Horizontal	-53.47	-13.00	40.47	45
8	6216.00	-60.78	3.50	12.80	Horizontal	-53.63	-13.00	40.63	270
9	6993.00	-58.33	4.20	11.80	Horizontal	-52.88	-13.00	39.88	90
10	7770.00	-56.73	4.40	12.30	Horizontal	-50.98	-13.00	37.98	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 Horizontal position.

LTE Band 17 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-65.47	1.70	8.70	Horizontal	-60.62	-13.00	47.62	270
3	2122.50	-63.45	2.10	11.10	Horizontal	-56.60	-13.00	43.60	135
4	2830.00	-63.65	2.50	13.10	Horizontal	-55.20	-13.00	42.20	45
5	3537.50	-64.66	2.60	12.70	Horizontal	-56.71	-13.00	43.71	90
6	4245.00	-62.80	3.30	12.50	Horizontal	-55.75	-13.00	42.75	0
7	4952.50	-61.02	3.40	12.50	Horizontal	-54.07	-13.00	41.07	270
8	5660.00	-59.73	3.40	12.80	Horizontal	-52.48	-13.00	39.48	45
9	6367.50	-58.09	4.10	11.50	Horizontal	-52.84	-13.00	39.84	45
10	7075.00	-58.04	4.20	12.20	Horizontal	-52.19	-13.00	39.19	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 Horizontal position.



LTE Band 17 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.00	-66.29	1.70	8.70	Horizontal	-61.44	-13.00	48.44	45
3	2115.00	-64.86	2.10	11.10	Horizontal	-58.01	-13.00	45.01	270
4	2820.00	-64.03	2.50	13.10	Horizontal	-55.58	-13.00	42.58	315
5	3525.00	-64.88	2.60	12.70	Horizontal	-56.93	-13.00	43.93	270
6	4230.00	-64.51	3.30	12.50	Horizontal	-57.46	-13.00	44.46	45
7	4935.00	-60.90	3.40	12.50	Horizontal	-53.95	-13.00	40.95	90
8	5640.00	-59.27	3.40	12.80	Horizontal	-52.02	-13.00	39.02	90
9	6345.00	-57.70	4.10	11.50	Horizontal	-52.45	-13.00	39.45	315
10	7050.00	-57.30	4.20	12.20	Horizontal	-51.45	-13.00	38.45	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 Horizontal position.

LTE Band 38 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5185.00	-61.57	3.20	12.50	Horizontal	-52.27	-25.00	27.27	45
3	7777.50	-59.65	4.40	12.30	Horizontal	-51.75	-25.00	26.75	315
4	10370.00	-51.86	4.70	11.80	Horizontal	-44.76	-25.00	19.76	90
5	12962.50	-51.60	5.40	14.00	Horizontal	-43.00	-25.00	18.00	180
6	15555.00	-52.23	6.10	16.80	Horizontal	-41.53	-25.00	16.53	45
7	18147.50	--	--	--	--	--	--	--	--
8	20740.00	--	--	--	--	--	--	--	--
9	23332.50	--	--	--	--	--	--	--	--
10	25925.00	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 38 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5170.00	-62.29	3.20	12.50	Horizontal	-52.99	-25.00	27.99	90
3	7755.00	-58.43	4.40	12.30	Horizontal	-50.53	-25.00	25.53	315
4	10340.00	-51.07	4.70	11.80	Horizontal	-43.97	-25.00	18.97	0
5	12925.00	-52.24	5.40	14.00	Horizontal	-43.64	-25.00	18.64	315
6	15510.00	-52.45	6.10	16.80	Horizontal	-41.75	-25.00	16.75	0
7	18095.00	--	--	--	--	--	--	--	--
8	20680.00	--	--	--	--	--	--	--	--
9	23265.00	--	--	--	--	--	--	--	--
10	25850.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 41 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5163.30	-62.09	3.20	12.50	Horizontal	-52.79	-25.00	27.79	90
3	7744.95	-58.22	4.40	12.30	Horizontal	-50.32	-25.00	25.32	90
4	10326.60	-51.25	4.70	11.80	Horizontal	-44.15	-25.00	19.15	45
5	12908.25	-51.88	5.40	14.00	Horizontal	-43.28	-25.00	18.28	315
6	15489.90	-51.91	6.10	16.80	Horizontal	-41.21	-25.00	16.21	90
7	18071.55	-61.24	5.70	14.15	Horizontal	-52.79	-25.00	27.79	90
8	20653.20	--	--	--	--	--	--	--	--
9	23234.85	--	--	--	--	--	--	--	--
10	25816.50	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 41 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5149.60	-62.84	3.20	12.50	Horizontal	-53.54	-25.00	28.54	90
3	7724.40	-58.38	4.40	12.30	Horizontal	-50.48	-25.00	25.48	270
4	10299.20	-51.66	4.70	11.80	Horizontal	-44.56	-25.00	19.56	0
5	12874.00	-52.33	5.40	14.00	Horizontal	-43.73	-25.00	18.73	315
6	15448.80	-53.40	6.10	16.80	Horizontal	-42.70	-25.00	17.70	180
7	18023.60	--	--	--	--	--	--	--	--
8	20598.40	--	--	--	--	--	--	--	--
9	23173.20	--	--	--	--	--	--	--	--
10	25748.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 66 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3509.25	-62.23	2.70	12.70	Horizontal	-52.23	-13.00	39.23	270
3	5262.50	-62.66	3.20	12.50	Horizontal	-53.36	-13.00	40.36	270
4	7018.00	-59.45	4.20	11.80	Horizontal	-51.85	-13.00	38.85	0
5	8772.50	-55.20	4.40	12.50	Horizontal	-47.10	-13.00	34.10	90
6	10527.00	-50.98	4.70	11.80	Horizontal	-43.88	-13.00	30.88	315
7	12281.50	-51.15	5.20	13.80	Horizontal	-42.55	-13.00	29.55	0
8	14036.00	-50.12	5.70	13.20	Horizontal	-42.62	-13.00	29.62	135
9	15790.50	-53.30	6.10	16.80	Horizontal	-42.60	-13.00	29.60	90
10	17545.00	-50.69	6.10	14.20	Horizontal	-42.59	-13.00	29.59	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 Horizontal position.

LTE Band 66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3486.00	-61.19	2.70	12.70	Horizontal	-51.19	-13.00	38.19	45
3	5229.00	-62.58	3.20	12.50	Horizontal	-53.28	-13.00	40.28	270
4	6972.00	-61.83	4.20	11.80	Horizontal	-54.23	-13.00	41.23	315
5	8715.00	-55.65	4.40	12.50	Horizontal	-47.55	-13.00	34.55	315
6	10458.00	-50.94	4.70	11.80	Horizontal	-43.84	-13.00	30.84	0
7	12201.00	-51.31	5.20	13.80	Horizontal	-42.71	-13.00	29.71	315
8	13944.00	-51.99	5.70	13.20	Horizontal	-44.49	-13.00	31.49	45
9	15687.00	-52.57	6.10	16.80	Horizontal	-41.87	-13.00	28.87	90
10	17430.00	-49.28	6.10	14.20	Horizontal	-41.18	-13.00	28.18	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 Horizontal position.

LTE Band 66 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3472.88	-65.51	2.70	12.70	Horizontal	-55.51	-13.00	42.51	90
3	5209.00	-62.17	3.20	12.50	Horizontal	-52.87	-13.00	39.87	45
4	6945.75	-61.60	4.20	11.80	Horizontal	-54.00	-13.00	41.00	90
5	8682.00	-55.68	4.40	12.50	Horizontal	-47.58	-13.00	34.58	315
6	10418.63	-50.91	4.70	11.80	Horizontal	-43.81	-13.00	30.81	180
7	12455.00	-53.94	5.20	13.80	Horizontal	-45.34	-13.00	32.34	45
8	13891.50	-51.63	5.70	13.20	Horizontal	-44.13	-13.00	31.13	315
9	15627.00	-52.06	6.10	16.80	Horizontal	-41.36	-13.00	28.36	90
10	17364.38	-50.11	6.10	14.20	Horizontal	-42.01	-13.00	29.01	108

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 Horizontal position.

**CA Band**

CA_7C QPSK 15MHz+15MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5056.60	-60.82	3.40	12.50	Horizontal	-51.72	-25.00	26.72	90
3	7562.40	-57.44	4.40	12.20	Horizontal	-49.64	-25.00	24.64	0
4	10113.20	-51.77	4.70	11.30	Horizontal	-45.17	-25.00	20.17	270
5	12641.50	-49.71	5.40	13.20	Horizontal	-41.91	-25.00	16.91	315
6	15169.80	-48.44	6.10	13.10	Horizontal	-41.44	-25.00	16.44	225
7	17698.10	-51.00	6.10	14.20	Horizontal	-42.90	-25.00	17.90	45
8	20226.40	--	--	--	--	--	--	--	--
9	22754.70	--	--	--	--	--	--	--	--
10	25283.00	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_7C QPSK 10MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.24	-60.89	3.40	12.50	Horizontal	-51.79	-25.00	26.79	225
3	7578.36	-58.18	4.40	12.20	Horizontal	-50.38	-25.00	25.38	270
4	10104.48	-51.51	4.70	11.30	Horizontal	-44.91	-25.00	19.91	315
5	12630.60	-49.98	5.40	13.20	Horizontal	-42.18	-25.00	17.18	90
6	15156.72	-49.32	6.10	13.10	Horizontal	-42.32	-25.00	17.32	0
7	17682.84	-50.79	6.10	14.20	Horizontal	-42.69	-25.00	17.69	225
8	20208.96	--	--	--	--	--	--	--	--
9	22735.08	--	--	--	--	--	--	--	--
10	25261.20	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_7C QPSK 20MHz+10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5061.24	-60.79	3.40	12.50	Horizontal	-51.69	-25.00	26.69	0
3	7591.86	-57.89	4.40	12.20	Horizontal	-50.09	-25.00	25.09	45
4	10122.48	-50.79	4.70	11.30	Horizontal	-44.19	-25.00	19.19	315
5	12653.10	-49.54	5.40	13.20	Horizontal	-41.74	-25.00	16.74	315
6	15183.72	-47.82	6.10	13.10	Horizontal	-40.82	-25.00	15.82	0
7	17714.34	-50.65	6.10	14.20	Horizontal	-42.55	-25.00	17.55	180
8	20244.96	--	--	--	--	--	--	--	--
9	22775.58	--	--	--	--	--	--	--	--
10	25306.20	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_7C QPSK 20MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.14	-61.70	3.40	12.50	Horizontal	-52.60	-25.00	27.60	225
3	7578.21	-58.32	4.40	12.20	Horizontal	-50.52	-25.00	25.52	180
4	10104.28	-50.62	4.70	11.30	Horizontal	-44.02	-25.00	19.02	225
5	12630.35	-49.73	5.40	13.20	Horizontal	-41.93	-25.00	16.93	45
6	15156.42	-47.77	6.10	13.10	Horizontal	-40.77	-25.00	15.77	225
7	17682.49	-48.60	6.10	14.20	Horizontal	-40.50	-25.00	15.50	0
8	20208.56	--	--	--	--	--	--	--	--
9	22734.63	--	--	--	--	--	--	--	--
10	25260.70	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_38C QPSK 15MHz+15MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5161.96	-62.03	3.20	12.50	Horizontal	-52.73	-25.00	27.73	270
3	7742.94	-58.69	4.40	12.30	Horizontal	-50.79	-25.00	25.79	270
4	10323.92	-51.14	4.70	11.80	Horizontal	-44.04	-25.00	19.04	45
5	12904.90	-51.49	5.40	14.00	Horizontal	-42.89	-25.00	17.89	0
6	15485.88	-53.19	6.10	16.80	Horizontal	-42.49	-25.00	17.49	45
7	18066.86	--	--	--	--	--	--	--	--
8	20647.84	--	--	--	--	--	--	--	--
9	23228.82	--	--	--	--	--	--	--	--
10	25809.80	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_38C QPSK 20MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5152.40	-60.37	3.20	12.50	Horizontal	-51.07	-25.00	26.07	180
3	7728.60	-58.50	4.40	12.30	Horizontal	-50.60	-25.00	25.60	315
4	10304.80	-50.76	4.70	11.80	Horizontal	-43.66	-25.00	18.66	315
5	12881.00	-50.96	5.40	14.00	Horizontal	-42.36	-25.00	17.36	135
6	15457.20	-52.64	6.10	16.80	Horizontal	-41.94	-25.00	16.94	270
7	18033.40	-59.52	5.70	14.15	Horizontal	-51.07	-25.00	26.07	180
8	20609.60	--	--	--	--	--	--	--	--
9	23185.80	--	--	--	--	--	--	--	--
10	25762.00	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_41C QPSK 5MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5162.60	-60.88	3.20	12.50	Horizontal	-51.58	-25.00	26.58	0
3	7743.90	-57.64	4.40	12.30	Horizontal	-49.74	-25.00	24.74	0
4	10325.20	-50.78	4.70	11.80	Horizontal	-43.68	-25.00	18.68	90
5	12906.50	-52.19	5.40	14.00	Horizontal	-43.59	-25.00	18.59	135
6	15487.80	-52.88	6.10	16.80	Horizontal	-42.18	-25.00	17.18	180
7	18069.10	--	--	--	--	--	--	--	--
8	20650.40	--	--	--	--	--	--	--	--
9	23231.70	--	--	--	--	--	--	--	--
10	25813.00	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_41C QPSK 20MHz+5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5162.90	-60.79	3.20	12.50	Horizontal	-51.49	-25.00	26.49	90
3	7744.60	-58.42	4.40	12.30	Horizontal	-50.52	-25.00	25.52	315
4	10326.60	-50.94	4.70	11.80	Horizontal	-43.84	-25.00	18.84	315
5	12907.60	-51.40	5.40	14.00	Horizontal	-42.80	-25.00	17.80	270
6	15487.00	-52.15	6.10	16.80	Horizontal	-41.45	-25.00	16.45	225
7	18063.50	--	--	--	--	--	--	--	--
8	20644.00	--	--	--	--	--	--	--	--
9	23224.50	--	--	--	--	--	--	--	--
10	25805.00	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_41C QPSK 10MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5158.10	-60.46	3.20	12.50	Horizontal	-51.16	-25.00	26.16	45
3	7737.60	-57.51	4.40	12.30	Horizontal	-49.61	-25.00	24.61	180
4	10316.80	-51.55	4.70	11.80	Horizontal	-44.45	-25.00	19.45	90
5	12895.60	-50.95	5.40	14.00	Horizontal	-42.35	-25.00	17.35	315
6	15473.20	-52.46	6.10	16.80	Horizontal	-41.76	-25.00	16.76	0
7	18050.20	--	--	--	--	--	--	--	--
8	20628.80	--	--	--	--	--	--	--	--
9	23207.40	--	--	--	--	--	--	--	--
10	25786.00	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_41C QPSK 20MHz+10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5158.40	-60.13	3.20	12.50	Horizontal	-50.83	-25.00	25.83	0
3	7737.60	-57.52	4.40	12.30	Horizontal	-49.62	-25.00	24.62	315
4	10317.00	-49.60	4.70	11.80	Horizontal	-42.50	-25.00	17.50	45
5	12895.60	-51.59	5.40	14.00	Horizontal	-42.99	-25.00	17.99	180
6	15464.00	-51.90	6.10	16.80	Horizontal	-41.20	-25.00	16.20	0
7	18046.70	--	--	--	--	--	--	--	--
8	20624.80	--	--	--	--	--	--	--	--
9	23202.90	--	--	--	--	--	--	--	--
10	25781.00	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_41C QPSK 20MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5148.70	-61.35	3.20	12.50	Horizontal	-52.05	-25.00	27.05	90
3	7722.60	-57.13	4.40	12.30	Horizontal	-49.23	-25.00	24.23	180
4	10296.80	-50.26	4.70	11.80	Horizontal	-43.16	-25.00	18.16	315
5	12871.00	-51.65	5.40	14.00	Horizontal	-43.05	-25.00	18.05	0
6	15432.00	-52.74	6.10	16.80	Horizontal	-42.04	-25.00	17.04	0
7	18011.70	--	--	--	--	--	--	--	--
8	20584.80	--	--	--	--	--	--	--	--
9	23157.90	--	--	--	--	--	--	--	--
10	25731.00	--	--	--	--	--	--	--	--

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 Horizontal position.

**Second Antenna**

WCDMA Band IV CH-Middle

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3465.20	-50.98	2.70	12.70	Horizontal	-40.98	-13.00	27.98	0
3	5197.80	-64.56	3.20	12.50	Horizontal	-55.26	-13.00	42.26	45
4	6930.40	-60.03	4.20	11.80	Horizontal	-52.43	-13.00	39.43	315
5	8663.00	-56.78	4.40	12.50	Horizontal	-48.68	-13.00	35.68	90
6	10395.60	-52.73	4.70	11.30	Horizontal	-46.13	-13.00	33.13	45
7	12128.20	-54.08	5.20	13.80	Horizontal	-45.48	-13.00	32.48	270
8	13860.80	-48.44	5.70	11.30	Horizontal	-42.84	-13.00	29.84	90
9	15593.40	-55.84	6.10	16.80	Horizontal	-45.14	-13.00	32.14	45
10	17326.00	-49.70	6.10	14.20	Horizontal	-41.60	-13.00	28.60	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 Horizontal position.

LTE Band 4 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3464.25	-53.52	2.70	12.70	Horizontal	-43.52	-13.00	30.52	0
3	5197.50	-61.88	3.20	12.50	Horizontal	-52.58	-13.00	39.58	45
4	6930.00	-54.80	4.20	11.80	Horizontal	-47.20	-13.00	34.20	315
5	8662.50	-56.85	4.40	12.50	Horizontal	-48.75	-13.00	35.75	0
6	10395.00	-50.83	4.70	11.30	Horizontal	-44.23	-13.00	31.23	315
7	12127.50	-52.08	5.20	13.80	Horizontal	-43.48	-13.00	30.48	45
8	13860.00	-51.19	5.70	11.30	Horizontal	-45.59	-13.00	32.59	270
9	15592.50	-53.47	6.10	16.80	Horizontal	-42.77	-13.00	29.77	0
10	17325.00	-50.95	6.10	14.20	Horizontal	-42.85	-13.00	29.85	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 Horizontal position.



LTE Band 4 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3460.50	-53.63	2.70	12.70	Horizontal	-43.63	-13.00	30.63	270
3	5191.50	-62.20	3.20	12.50	Horizontal	-52.90	-13.00	39.90	0
4	6930.00	-54.72	4.20	11.80	Horizontal	-47.12	-13.00	34.12	45
5	8662.50	-55.83	4.40	12.50	Horizontal	-47.73	-13.00	34.73	315
6	10395.00	-51.56	4.70	11.30	Horizontal	-44.96	-13.00	31.96	180
7	12127.50	-52.13	5.20	13.80	Horizontal	-43.53	-13.00	30.53	90
8	13860.00	-49.73	5.70	11.30	Horizontal	-44.13	-13.00	31.13	0
9	15592.50	-54.36	6.10	16.80	Horizontal	-43.66	-13.00	30.66	45
10	17325.00	-49.03	6.10	14.20	Horizontal	-40.93	-13.00	27.93	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 Horizontal position.

LTE Band 4 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3447.75	-53.54	2.70	12.70	Horizontal	-43.54	-13.00	30.54	180
3	5170.88	-61.78	3.20	12.50	Horizontal	-52.48	-13.00	39.48	0
4	6894.00	-56.29	4.20	11.80	Horizontal	-48.69	-13.00	35.69	45
5	8662.50	-56.94	4.40	12.50	Horizontal	-48.84	-13.00	35.84	315
6	10395.00	-49.45	4.70	11.30	Horizontal	-42.85	-13.00	29.85	270
7	12127.50	-53.25	5.20	13.80	Horizontal	-44.65	-13.00	31.65	180
8	13860.00	-49.89	5.70	11.30	Horizontal	-44.29	-13.00	31.29	0
9	15592.50	-54.39	6.10	16.80	Horizontal	-43.69	-13.00	30.69	45
10	17325.00	-50.66	6.10	14.20	Horizontal	-42.56	-13.00	29.56	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 Horizontal position.



LTE Band 7 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5065.80	-62.02	3.40	12.50	Horizontal	-52.92	-25.00	27.92	135
3	7598.60	-57.89	4.40	12.20	Horizontal	-50.09	-25.00	25.09	45
4	10130.63	-52.33	4.70	11.30	Horizontal	-45.73	-25.00	20.73	270
5	12675.00	-51.95	5.40	13.20	Horizontal	-44.15	-25.00	19.15	0
6	15210.00	-48.76	6.10	13.10	Horizontal	-41.76	-25.00	16.76	315
7	17745.00	-50.47	6.10	14.20	Horizontal	-42.37	-25.00	17.37	90
8	20280.00	--	--	--	--	--	--	--	--
9	22815.00	--	--	--	--	--	--	--	--
10	25350.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 7 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.20	-62.91	3.40	12.50	Horizontal	-53.81	-25.00	28.81	45
3	7578.30	-58.34	4.40	12.20	Horizontal	-50.54	-25.00	25.54	270
4	10104.40	-51.82	4.70	11.30	Horizontal	-45.22	-25.00	20.22	135
5	12630.50	-51.07	5.40	13.20	Horizontal	-43.27	-25.00	18.27	90
6	15156.60	-49.34	6.10	13.10	Horizontal	-42.34	-25.00	17.34	180
7	17745.00	-50.47	6.10	14.20	Horizontal	-42.37	-25.00	17.37	0
8	20208.80	--	--	--	--	--	--	--	--
9	22734.90	--	--	--	--	--	--	--	--
10	25261.00	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 12 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-64.49	1.70	8.70	Horizontal	-59.64	-13.00	46.64	180
3	2122.50	-64.37	2.10	11.10	Horizontal	-57.52	-13.00	44.52	90
4	2830.00	-64.87	2.30	13.10	Horizontal	-56.22	-13.00	43.22	225
5	3537.50	-64.59	2.60	12.70	Horizontal	-56.64	-13.00	43.64	45
6	4245.00	-63.01	3.30	12.50	Horizontal	-55.96	-13.00	42.96	90
7	4952.50	-59.43	3.40	12.50	Horizontal	-52.48	-13.00	39.48	315
8	5660.00	-59.24	3.30	12.50	Horizontal	-52.19	-13.00	39.19	270
9	6367.50	-58.38	3.80	11.50	Horizontal	-52.83	-13.00	39.83	135
10	7075.00	-55.90	4.20	11.80	Horizontal	-50.45	-13.00	37.45	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 Horizontal position.

LTE Band 12 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.60	-64.37	1.70	8.70	Horizontal	-59.52	-13.00	46.52	315
3	2115.90	-63.63	2.10	11.10	Horizontal	-56.78	-13.00	43.78	45
4	2821.20	-64.77	2.30	13.10	Horizontal	-56.12	-13.00	43.12	90
5	3512.50	-63.74	2.60	12.70	Horizontal	-55.79	-13.00	42.79	270
6	4215.00	-62.72	3.30	12.50	Horizontal	-55.67	-13.00	42.67	270
7	4917.50	-59.94	3.40	12.50	Horizontal	-52.99	-13.00	39.99	45
8	5620.00	-59.54	3.30	12.50	Horizontal	-52.49	-13.00	39.49	135
9	6322.50	-58.67	3.80	11.50	Horizontal	-53.12	-13.00	40.12	90
10	7025.00	-56.07	4.20	11.80	Horizontal	-50.62	-13.00	37.62	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 Horizontal position.

LTE Band 12 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1406.40	-58.20	1.70	8.70	Horizontal	-53.35	-13.00	40.35	90
3	2109.60	-64.51	2.10	11.10	Horizontal	-57.66	-13.00	44.66	45
4	2812.80	-65.69	2.30	13.10	Horizontal	-57.04	-13.00	44.04	270
5	3537.50	-63.09	2.60	12.70	Horizontal	-55.14	-13.00	42.14	45
6	4245.00	-62.24	3.30	12.50	Horizontal	-55.19	-13.00	42.19	270
7	4952.50	-60.26	3.40	12.50	Horizontal	-53.31	-13.00	40.31	135
8	5660.00	-59.25	3.30	12.50	Horizontal	-52.20	-13.00	39.20	45
9	6367.50	-58.23	3.80	11.50	Horizontal	-52.68	-13.00	39.68	90
10	7075.00	-55.92	4.20	11.80	Horizontal	-50.47	-13.00	37.47	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 Horizontal position.

LTE Band 13 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1559.55	-63.87	2.10	12.00	Horizontal	-56.12	-40.00	16.12	270
Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
3	2338.5	-63.82	2.10	12.00	Horizontal	-56.07	-13.00	43.07	90
4	3118.00	-63.59	2.30	13.10	Horizontal	-54.94	-13.00	41.94	270
5	3897.50	-62.98	2.90	12.50	Horizontal	-55.53	-13.00	42.53	0
6	4677.00	-60.54	3.10	12.50	Horizontal	-53.29	-13.00	40.29	0
7	5456.50	-59.16	3.30	12.50	Horizontal	-52.11	-13.00	39.11	45
8	6236.00	-59.70	3.50	12.80	Horizontal	-52.55	-13.00	39.55	135
9	7015.50	-55.70	4.20	11.80	Horizontal	-50.25	-13.00	37.25	90
10	7795.00	-55.56	4.40	12.30	Horizontal	-49.81	-13.00	36.81	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 13 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1555.00	-60.65	1.70	8.70	Horizontal	-55.80	-13.00	42.80	180
3	2332.73	-63.50	2.10	12.00	Horizontal	-55.75	-13.00	42.75	90
4	3108.00	-64.50	2.30	13.10	Horizontal	-55.85	-13.00	42.85	45
5	3885.00	-62.78	2.90	12.50	Horizontal	-55.33	-13.00	42.33	45
6	4662.00	-60.90	3.10	12.50	Horizontal	-53.65	-13.00	40.65	180
7	5439.00	-59.49	3.30	12.50	Horizontal	-52.44	-13.00	39.44	45
8	6216.00	-59.70	3.50	12.80	Horizontal	-52.55	-13.00	39.55	270
9	6993.00	-57.82	4.20	11.80	Horizontal	-52.37	-13.00	39.37	90
10	7770.00	-56.50	4.40	12.30	Horizontal	-50.75	-13.00	37.75	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 Horizontal position.

LTE Band 17 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1415.00	-58.78	1.70	8.70	Horizontal	-53.93	-13.00	40.93	45
3	2122.50	-62.95	2.10	11.10	Horizontal	-56.10	-13.00	43.10	270
4	2830.00	-64.75	2.50	13.10	Horizontal	-56.30	-13.00	43.30	90
5	3537.50	-64.58	2.60	12.70	Horizontal	-56.63	-13.00	43.63	90
6	4245.00	-62.94	3.30	12.50	Horizontal	-55.89	-13.00	42.89	0
7	4952.50	-63.97	3.40	12.50	Horizontal	-57.02	-13.00	44.02	270
8	5660.00	-63.60	3.40	12.80	Horizontal	-56.35	-13.00	43.35	45
9	6367.50	-59.00	4.10	11.50	Horizontal	-53.75	-13.00	40.75	45
10	7075.00	-55.71	4.20	12.20	Horizontal	-49.86	-13.00	36.86	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 Horizontal position.



LTE Band 17 QPSK 10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	ERP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	1410.00	-64.50	1.70	8.70	Horizontal	-59.65	-13.00	46.65	45
3	2115.00	-63.33	2.10	11.10	Horizontal	-56.48	-13.00	43.48	315
4	2820.00	-64.85	2.50	13.10	Horizontal	-56.40	-13.00	43.40	90
5	3525.00	-64.57	2.60	12.70	Horizontal	-56.62	-13.00	43.62	270
6	4230.00	-63.24	3.30	12.50	Horizontal	-56.19	-13.00	43.19	45
7	4935.00	-63.08	3.40	12.50	Horizontal	-56.13	-13.00	43.13	90
8	5640.00	-62.68	3.40	12.80	Horizontal	-55.43	-13.00	42.43	90
9	6345.00	-59.09	4.10	11.50	Horizontal	-53.84	-13.00	40.84	315
10	7050.00	-56.14	4.20	12.20	Horizontal	-50.29	-13.00	37.29	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 Horizontal position.

LTE Band 38 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5185.00	-64.88	3.20	12.50	Horizontal	-55.58	-25.00	30.58	45
3	7777.50	-55.18	4.40	12.30	Horizontal	-47.28	-25.00	22.28	315
4	10370.00	-52.40	4.70	11.80	Horizontal	-45.30	-25.00	20.30	90
5	12962.50	-54.57	5.40	14.00	Horizontal	-45.97	-25.00	20.97	180
6	15555.00	-55.94	6.10	16.80	Horizontal	-45.24	-25.00	20.24	45
7	18147.50	--	--	--	--	--	--	--	--
8	20740.00	--	--	--	--	--	--	--	--
9	23332.50	--	--	--	--	--	--	--	--
10	25925.00	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 38 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5170.00	-64.22	3.20	12.50	Horizontal	-54.92	-25.00	29.92	90
3	7755.00	-54.95	4.40	12.30	Horizontal	-47.05	-25.00	22.05	315
4	10340.00	-54.91	4.70	11.80	Horizontal	-47.81	-25.00	22.81	0
5	12925.00	-52.57	5.40	14.00	Horizontal	-43.97	-25.00	18.97	315
6	15510.00	-56.07	6.10	16.80	Horizontal	-45.37	-25.00	20.37	0
7	18095.00	--	--	--	--	--	--	--	--
8	20680.00	--	--	--	--	--	--	--	--
9	23265.00	--	--	--	--	--	--	--	--
10	25850.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 41 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5163.30	-64.47	3.20	12.50	Horizontal	-55.17	-25.00	30.17	90
3	7744.95	-54.56	4.40	12.30	Horizontal	-46.66	-25.00	21.66	90
4	10326.60	-53.00	4.70	11.80	Horizontal	-45.90	-25.00	20.90	45
5	12908.25	-52.77	5.40	14.00	Horizontal	-44.17	-25.00	19.17	315
6	15489.90	-56.53	6.10	16.80	Horizontal	-45.83	-25.00	20.83	90
7	18071.55	-63.62	5.70	14.15	Horizontal	-55.17	-25.00	30.17	90
8	20653.20	--	--	--	--	--	--	--	--
9	23234.85	--	--	--	--	--	--	--	--
10	25816.50	--	--	--	--	--	--	--	--

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 Horizontal position.



LTE Band 41 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5149.60	-65.35	3.20	12.50	Horizontal	-56.05	-25.00	31.05	90
3	7724.40	-54.47	4.40	12.30	Horizontal	-46.57	-25.00	21.57	270
4	10299.20	-53.07	4.70	11.80	Horizontal	-45.97	-25.00	20.97	0
5	12874.00	-52.58	5.40	14.00	Horizontal	-43.98	-25.00	18.98	315
6	15448.80	-56.72	6.10	16.80	Horizontal	-46.02	-25.00	21.02	180
7	18023.60	--	--	--	--	--	--	--	--
8	20598.40	--	--	--	--	--	--	--	--
9	23173.20	--	--	--	--	--	--	--	--
10	25748.00	--	--	--	--	--	--	--	--

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 Horizontal position.

LTE Band 66 QPSK 1.4MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3509.25	-59.90	2.70	12.70	Horizontal	-49.90	-13.00	36.90	45
3	5262.50	-65.34	3.20	12.50	Horizontal	-56.04	-13.00	43.04	180
4	7018.00	-51.53	4.20	11.80	Horizontal	-43.93	-13.00	30.93	90
5	8772.50	-56.06	4.40	12.50	Horizontal	-47.96	-13.00	34.96	45
6	10527.00	-52.09	4.70	11.80	Horizontal	-44.99	-13.00	31.99	315
7	12281.50	-53.47	5.20	13.80	Horizontal	-44.87	-13.00	31.87	90
8	14036.00	-49.60	5.70	13.20	Horizontal	-42.10	-13.00	29.10	45
9	15790.50	-56.52	6.10	16.80	Horizontal	-45.82	-13.00	32.82	270
10	17545.00	-50.58	6.10	14.20	Horizontal	-42.48	-13.00	29.48	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 Horizontal position.



LTE Band 66 QPSK 5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3486.00	-59.99	2.70	12.70	Horizontal	-49.99	-13.00	36.99	45
3	5229.00	-65.21	3.20	12.50	Horizontal	-55.91	-13.00	42.91	315
4	6972.00	-50.11	4.20	11.80	Horizontal	-42.51	-13.00	29.51	90
5	8715.00	-56.45	4.40	12.50	Horizontal	-48.35	-13.00	35.35	180
6	10458.00	-52.58	4.70	11.80	Horizontal	-45.48	-13.00	32.48	225
7	12201.00	-54.11	5.20	13.80	Horizontal	-45.51	-13.00	32.51	90
8	13944.00	-49.08	5.70	13.20	Horizontal	-41.58	-13.00	28.58	45
9	15687.00	-55.75	6.10	16.80	Horizontal	-45.05	-13.00	32.05	315
10	17430.00	-50.70	6.10	14.20	Horizontal	-42.60	-13.00	29.60	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 Horizontal position.

LTE Band 66 QPSK 20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	3472.88	-55.85	2.70	12.70	Horizontal	-45.85	-13.00	32.85	135
3	5209.00	-65.51	3.20	12.50	Horizontal	-56.21	-13.00	43.21	90
4	6945.75	-54.06	4.20	11.80	Horizontal	-46.46	-13.00	33.46	45
5	8682.00	-56.22	4.40	12.50	Horizontal	-48.12	-13.00	35.12	270
6	10418.63	-52.24	4.70	11.80	Horizontal	-45.14	-13.00	32.14	90
7	12455.00	-54.96	5.20	13.80	Horizontal	-46.36	-13.00	33.36	45
8	13891.50	-49.45	5.70	13.20	Horizontal	-41.95	-13.00	28.95	315
9	15627.00	-55.63	6.10	16.80	Horizontal	-44.93	-13.00	31.93	90
10	17364.38	-49.92	6.10	14.20	Horizontal	-41.82	-13.00	28.82	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 Horizontal position.

**CA Band**

CA_7C QPSK 15MHz+15MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5056.60	-61.24	3.40	12.50	Horizontal	-52.14	-25.00	27.14	90
3	7562.40	-60.12	4.40	12.20	Horizontal	-52.32	-25.00	27.32	0
4	10113.20	-50.41	4.70	11.30	Horizontal	-43.81	-25.00	18.81	270
5	12641.50	-53.14	5.40	13.20	Horizontal	-45.34	-25.00	20.34	315
6	15169.80	-48.33	6.10	13.10	Horizontal	-41.33	-25.00	16.33	225
7	17698.10	-50.25	6.10	14.20	Horizontal	-42.15	-25.00	17.15	45
8	20226.40	--	--	--	--	--	--	--	--
9	22754.70	--	--	--	--	--	--	--	--
10	25283.00	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_7C QPSK 10MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.24	-61.06	3.40	12.50	Horizontal	-51.96	-25.00	26.96	225
3	7578.36	-57.94	4.40	12.20	Horizontal	-50.14	-25.00	25.14	270
4	10104.48	-52.16	4.70	11.30	Horizontal	-45.56	-25.00	20.56	315
5	12630.60	-52.51	5.40	13.20	Horizontal	-44.71	-25.00	19.71	90
6	15156.72	-47.19	6.10	13.10	Horizontal	-40.19	-25.00	15.19	0
7	17682.84	-49.18	6.10	14.20	Horizontal	-41.08	-25.00	16.08	225
8	20208.96	--	--	--	--	--	--	--	--
9	22735.08	--	--	--	--	--	--	--	--
10	25261.20	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_7C QPSK 20MHz+10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5061.24	-60.66	3.40	12.50	Horizontal	-51.56	-25.00	26.56	0
3	7591.86	-58.32	4.40	12.20	Horizontal	-50.52	-25.00	25.52	45
4	10122.48	-52.53	4.70	11.30	Horizontal	-45.93	-25.00	20.93	315
5	12653.10	-51.69	5.40	13.20	Horizontal	-43.89	-25.00	18.89	315
6	15183.72	-47.76	6.10	13.10	Horizontal	-40.76	-25.00	15.76	0
7	17714.34	-49.55	6.10	14.20	Horizontal	-41.45	-25.00	16.45	180
8	20244.96	--	--	--	--	--	--	--	--
9	22775.58	--	--	--	--	--	--	--	--
10	25306.20	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_7C QPSK 20MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5052.14	-60.75	3.40	12.50	Horizontal	-51.65	-25.00	26.65	225
3	7578.21	-58.09	4.40	12.20	Horizontal	-50.29	-25.00	25.29	180
4	10104.28	-50.83	4.70	11.30	Horizontal	-44.23	-25.00	19.23	225
5	12630.35	-52.47	5.40	13.20	Horizontal	-44.67	-25.00	19.67	45
6	15156.42	-50.00	6.10	13.10	Horizontal	-43.00	-25.00	18.00	225
7	17682.49	-49.26	6.10	14.20	Horizontal	-41.16	-25.00	16.16	0
8	20208.56	--	--	--	--	--	--	--	--
9	22734.63	--	--	--	--	--	--	--	--
10	25260.70	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_38C QPSK 15MHz+15MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5161.96	-60.90	3.20	12.50	Horizontal	-51.60	-25.00	26.60	270
3	7742.94	-57.98	4.40	12.30	Horizontal	-50.08	-25.00	25.08	270
4	10323.92	-51.47	4.70	11.80	Horizontal	-44.37	-25.00	19.37	45
5	12904.90	-52.52	5.40	14.00	Horizontal	-43.92	-25.00	18.92	0
6	15485.88	-52.11	6.10	16.80	Horizontal	-41.41	-25.00	16.41	45
7	18066.86	--	--	--	--	--	--	--	--
8	20647.84	--	--	--	--	--	--	--	--
9	23228.82	--	--	--	--	--	--	--	--
10	25809.80	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_38C QPSK 20MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5152.40	-61.60	3.20	12.50	Horizontal	-52.30	-25.00	27.30	180
3	7728.60	-58.16	4.40	12.30	Horizontal	-50.26	-25.00	25.26	315
4	10304.80	-50.73	4.70	11.80	Horizontal	-43.63	-25.00	18.63	315
5	12881.00	-51.89	5.40	14.00	Horizontal	-43.29	-25.00	18.29	135
6	15457.20	-53.14	6.10	16.80	Horizontal	-42.44	-25.00	17.44	270
7	18033.40	-60.75	5.70	14.15	Horizontal	-52.30	-25.00	27.30	180
8	20609.60	--	--	--	--	--	--	--	--
9	23185.80	--	--	--	--	--	--	--	--
10	25762.00	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_41C QPSK 5MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5162.60	-62.44	3.20	12.50	Horizontal	-53.14	-25.00	28.14	0
3	7743.90	-58.41	4.40	12.30	Horizontal	-50.51	-25.00	25.51	0
4	10325.20	-51.55	4.70	11.80	Horizontal	-44.45	-25.00	19.45	90
5	12906.50	-51.09	5.40	14.00	Horizontal	-42.49	-25.00	17.49	135
6	15487.80	-52.89	6.10	16.80	Horizontal	-42.19	-25.00	17.19	180
7	18069.10	--	--	--	--	--	--	--	--
8	20650.40	--	--	--	--	--	--	--	--
9	23231.70	--	--	--	--	--	--	--	--
10	25813.00	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_41C QPSK 20MHz+5MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5162.90	-61.45	3.20	12.50	Horizontal	-52.15	-25.00	27.15	90
3	7744.60	-59.22	4.40	12.30	Horizontal	-51.32	-25.00	26.32	315
4	10326.60	-51.24	4.70	11.80	Horizontal	-44.14	-25.00	19.14	315
5	12907.60	-50.97	5.40	14.00	Horizontal	-42.37	-25.00	17.37	270
6	15487.00	-52.89	6.10	16.80	Horizontal	-42.19	-25.00	17.19	225
7	18063.50	--	--	--	--	--	--	--	--
8	20644.00	--	--	--	--	--	--	--	--
9	23224.50	--	--	--	--	--	--	--	--
10	25805.00	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_41C QPSK 10MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5158.10	-62.32	3.20	12.50	Horizontal	-53.02	-25.00	28.02	45
3	7737.60	-58.03	4.40	12.30	Horizontal	-50.13	-25.00	25.13	180
4	10316.80	-51.43	4.70	11.80	Horizontal	-44.33	-25.00	19.33	90
5	12895.60	-50.74	5.40	14.00	Horizontal	-42.14	-25.00	17.14	315
6	15473.20	-53.02	6.10	16.80	Horizontal	-42.32	-25.00	17.32	0
7	18050.20	--	--	--	--	--	--	--	--
8	20628.80	--	--	--	--	--	--	--	--
9	23207.40	--	--	--	--	--	--	--	--
10	25786.00	--	--	--	--	--	--	--	--

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 Horizontal position.

CA_41C QPSK 20MHz+10MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5158.40	-60.14	3.20	12.50	Horizontal	-50.84	-25.00	25.84	0
3	7737.60	-59.61	4.40	12.30	Horizontal	-51.71	-25.00	26.71	315
4	10317.00	-53.69	4.70	11.80	Horizontal	-46.59	-25.00	21.59	45
5	12895.60	-52.79	5.40	14.00	Horizontal	-44.19	-25.00	19.19	180
6	15464.00	-53.66	6.10	16.80	Horizontal	-42.96	-25.00	17.96	0
7	18046.70	--	--	--	--	--	--	--	--
8	20624.80	--	--	--	--	--	--	--	--
9	23202.90	--	--	--	--	--	--	--	--
10	25781.00	--	--	--	--	--	--	--	--

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 Horizontal position.



CA_41C QPSK 20MHz+20MHz CH-Middle, RB 1

Harmonic	Frequency (MHz)	SG (dBm)	Cable Loss (dB)	Gain (dBi)	Antenna Polarization	EIRP Level (dBm)	Limit (dBm)	Margin (dB)	Azimuth (deg)
2	5148.70	-61.55	3.20	12.50	Horizontal	-52.25	-25.00	27.25	90
3	7722.60	-59.05	4.40	12.30	Horizontal	-51.15	-25.00	26.15	180
4	10296.80	-52.82	4.70	11.80	Horizontal	-45.72	-25.00	20.72	315
5	12871.00	-51.41	5.40	14.00	Horizontal	-42.81	-25.00	17.81	0
6	15432.00	-53.49	6.10	16.80	Horizontal	-42.79	-25.00	17.79	0
7	18011.70	--	--	--	--	--	--	--	--
8	20584.80	--	--	--	--	--	--	--	--
9	23157.90	--	--	--	--	--	--	--	--
10	25731.00	--	--	--	--	--	--	--	--

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 Horizontal position.



6 Main Test Instruments

Name	Manufacturer	Type	Serial Number	Calibration Date	Expiration Date
Signal Analyzer	R&S	FSV30	104028	2021-05-15	2022-05-14
Loop antenna	SCHWARZBECK	FMZB1519	1519-047	2020-04-02	2023-04-01
TRILOG Broadband Antenna	Schwarzbeck	VULB 9163	01111	2019-09-12	2022-09-11
Horn Antenna	Schwarzbeck	BBHA 9120D	1594	2020-12-17	2023-12-16
Horn Antenna	ETS-Lindgren	3160-09	00102643	2020-08-11	2023-08-10
Software	R&S	EMC32	10.35.10	/	/
Communication tester	Anritsu	MT8821C	6201538758	2021-05-15	2022-05-14
Climate Chamber	WEISS	VT 4002	582261194500 10	2021-05-15	2022-05-14
Climate Chamber	R&S	CMW500	150415	2021-05-15	2022-05-14
Spectrum Analyzer	Keysight	N9020A	MY52330084	2021-05-15	2022-05-14
Wireless Communication Tester	Agilent	E5515C	GB44400275	2021-05-15	2022-05-14
Spectrum Analyzer	R&S	FSV3030	101411	2021-12-12	2022-12-11

*****END OF REPORT *****



ANNEX A: The EUT Appearance

The EUT Appearance are submitted separately.



ANNEX B: Test Setup Photos

The Test Setup Photos are submitted separately.