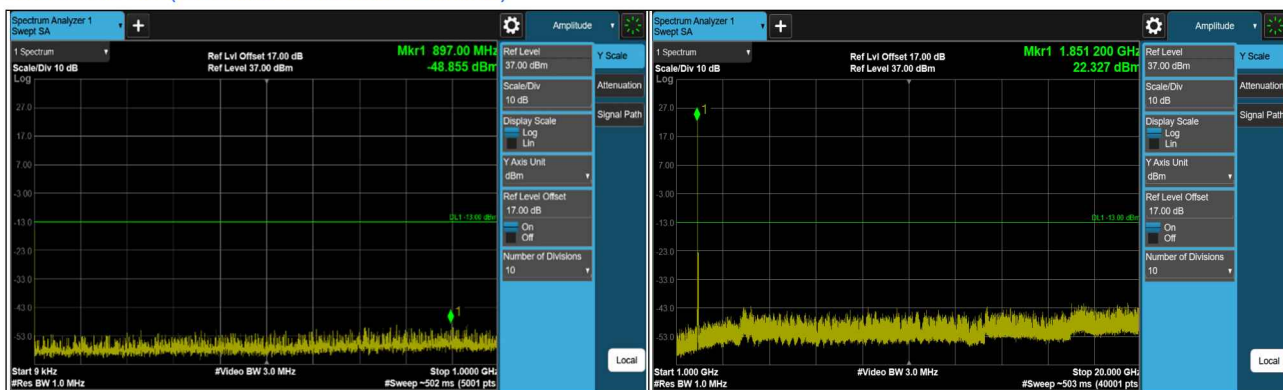
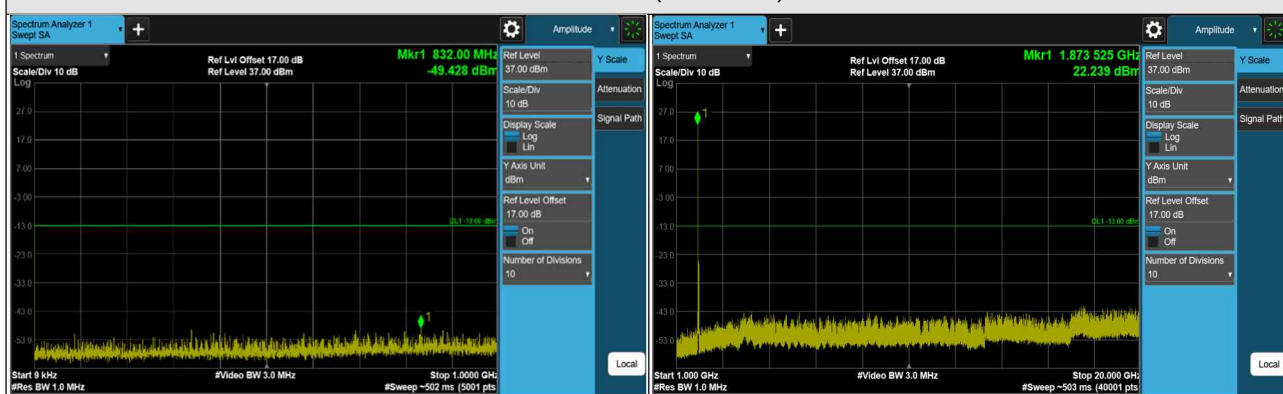


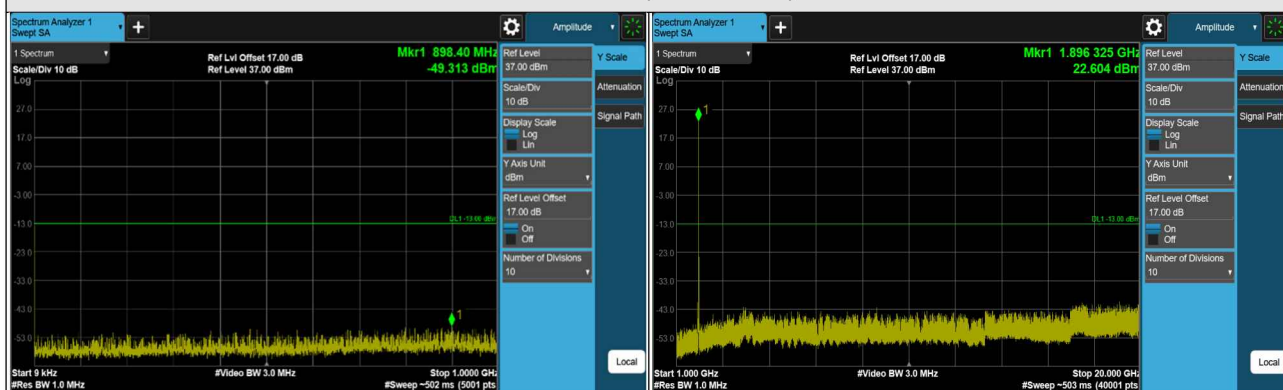
LTE Band 25 (Channel Bandwidth 20MHz)



CH 26140 (1860MHz)



CH 26365 (1882.5MHz)



CH 26590 (1905MHz)

*The 9kHz signal over the limit is from Spectrum.

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

4.8.2 Test Procedure

- a. In the semi-anechoic chamber, EUT placed on the 0.8m (below or equal 1GHz) and/or 1.5m (above 1GHz) height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- b. The height of antenna is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- c. Perform a field strength measurement and record the worse read value, is the field strength value via a spectrum reading obtained corrected for antenna factor, cable loss and pre-amplifier factor and then mathematically convert the measured field strength level to EIRP/ERP level.
- d. Following C63.26 section 5.5 and 5.2.7
 - $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.
 - $\text{ERP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8 - 2.15$; where D is the measurement distance (in the far field region) in m.

Note:

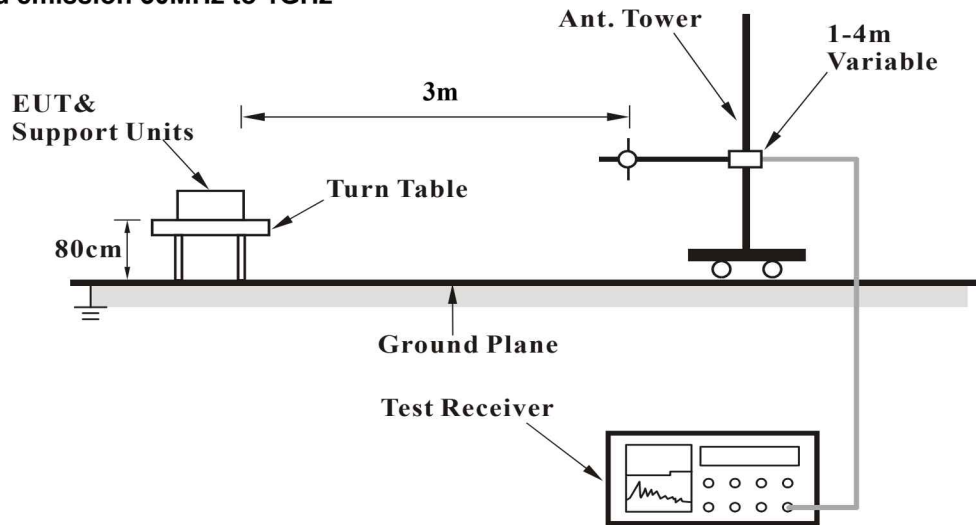
1. The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.
2. The emission levels were against the limit of frequency range 9 kHz ~ 30 MHz:
The amplitude of spurious emissions attenuated more than 20 dB below the permissible value is not required to be report.

4.8.3 Deviation from Test Standard

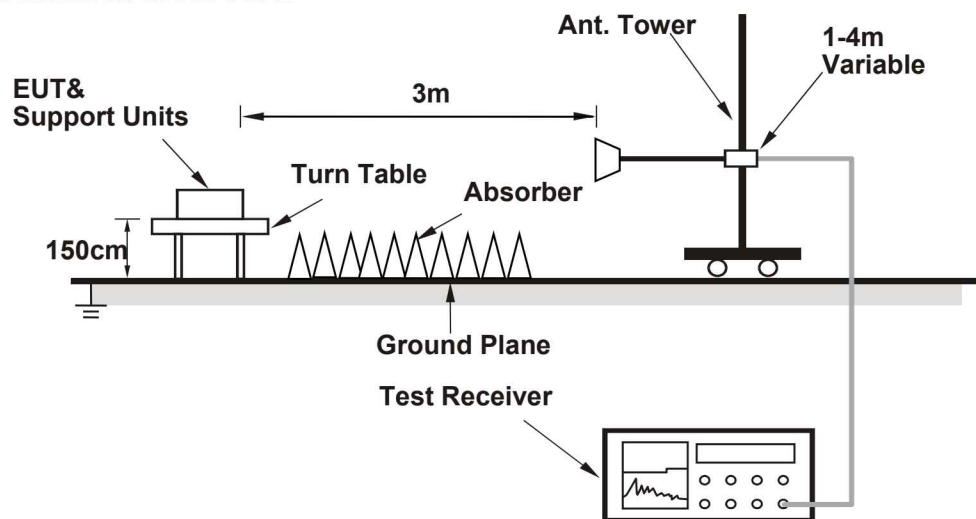
No deviation.

4.8.4 Test Setup

For radiated emission 30MHz to 1GHz



For radiated emission above 1GHz



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.5 Test Results

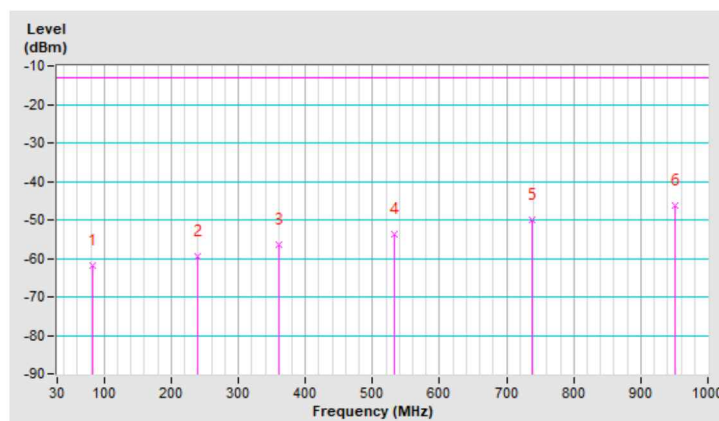
Below 1GHz
GPRS

Mode	TX channel 810 (1909.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	82.65	-61.95	-13.00	-48.95	1.20 H	323	56.41	-118.36
2	238.44	-59.51	-13.00	-46.51	2.42 H	178	55.64	-115.15
3	359.64	-56.52	-13.00	-43.52	2.87 H	239	54.03	-110.55
4	532.17	-53.81	-13.00	-40.81	1.87 H	226	52.13	-105.94
5	736.98	-50.04	-13.00	-37.04	2.85 H	222	51.34	-101.38
6	951.36	-46.33	-13.00	-33.33	2.87 H	164	51.37	-97.70

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

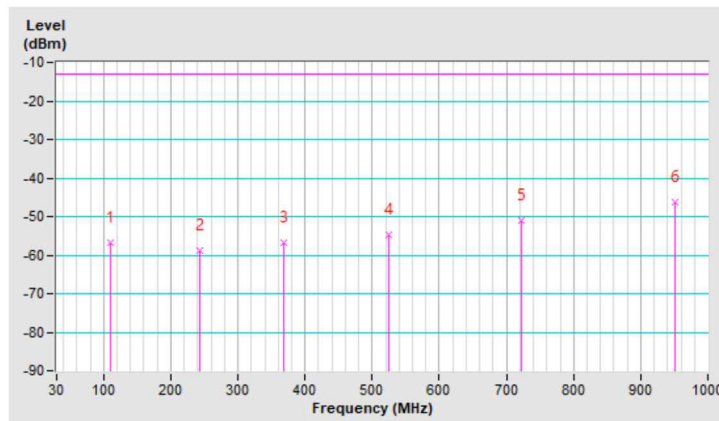


Mode	TX channel 810 (1909.8MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	109.54	-56.85	-13.00	-43.85	1.25 V	231	58.64	-115.49
2	242.43	-58.74	-13.00	-45.74	2.35 V	145	56.21	-114.95
3	367.56	-56.80	-13.00	-43.80	3.24 V	187	53.47	-110.27
4	524.70	-54.75	-13.00	-41.75	2.86 V	222	51.23	-105.98
5	722.58	-50.93	-13.00	-37.93	3.21 V	210	51.04	-101.97
6	950.53	-46.17	-13.00	-33.17	3.32 V	181	51.55	-97.72

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



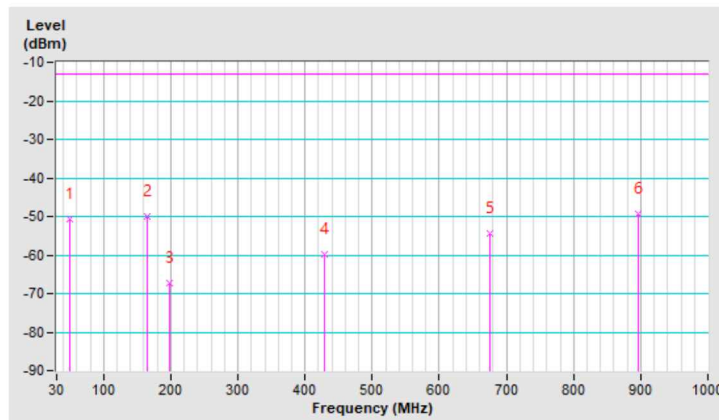
LTE Band 2 (Channel Bandwidth 20MHz)

Mode	TX channel 18900 (1880.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	50.37	-50.72	-13.00	-37.72	1.23 H	177	57.15	-107.87
2	165.80	-50.16	-13.00	-37.16	1.68 H	92	57.87	-108.03
3	197.81	-67.40	-13.00	-54.40	1.27 H	50	43.87	-111.27
4	428.67	-59.98	-13.00	-46.98	1.69 H	152	43.46	-103.44
5	675.05	-54.43	-13.00	-41.43	2.03 H	86	42.89	-97.32
6	896.21	-49.33	-13.00	-36.33	1.78 H	88	44.41	-93.74

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

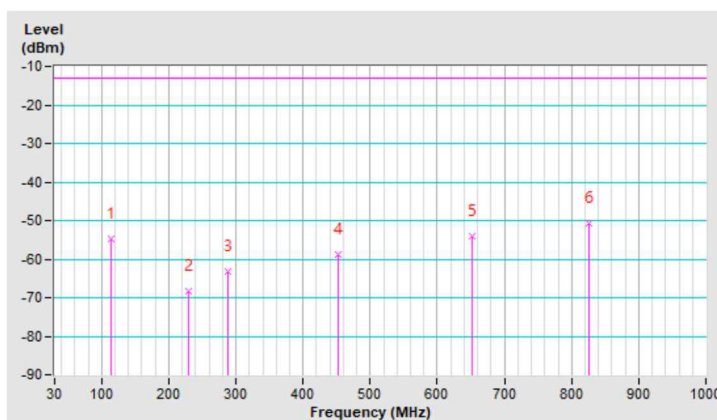


Mode	TX channel 18900 (1880.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	113.42	-54.76	-13.00	-41.76	2.63 V	2	55.37	-110.13
2	229.82	-68.39	-13.00	-55.39	1.87 V	152	42.71	-111.10
3	288.99	-63.31	-13.00	-50.31	2.25 V	20	44.54	-107.85
4	452.92	-58.81	-13.00	-45.81	3.43 V	61	43.72	-102.53
5	651.77	-54.03	-13.00	-41.03	1.97 V	80	43.79	-97.82
6	826.37	-50.64	-13.00	-37.64	1.02 V	282	43.75	-94.39

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



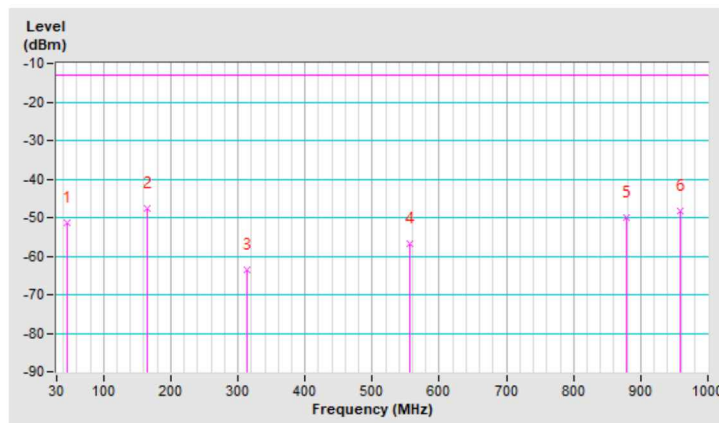
LTE Band 25 (Channel Bandwidth 20MHz)

Mode	TX channel 26365 (1882.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBUV)	Correction Factor (dB/m)
1	45.52	-51.45	-13.00	-38.45	1.22 H	29	56.48	-107.93
2	164.83	-47.76	-13.00	-34.76	3.54 H	268	60.22	-107.98
3	313.24	-63.59	-13.00	-50.59	1.74 H	49	43.12	-106.71
4	556.71	-56.87	-13.00	-43.87	2.32 H	128	43.40	-100.27
5	877.78	-50.11	-13.00	-37.11	1.97 H	183	43.75	-93.86
6	958.29	-48.31	-13.00	-35.31	3.14 H	213	44.16	-92.47

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.



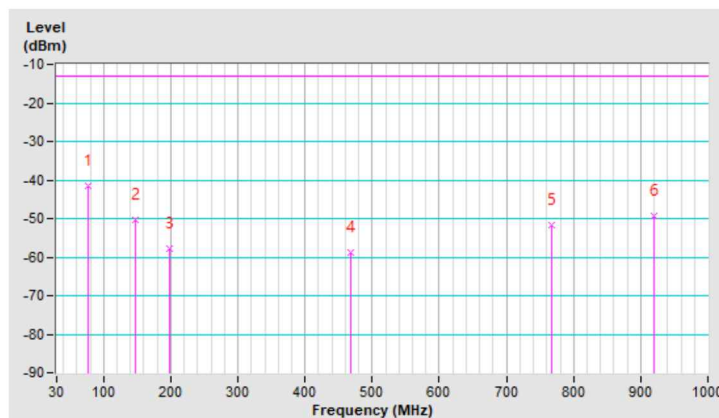
Mode	TX channel 26365 (1882.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Vertical at 3m

No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	77.53	-41.48	-13.00	-28.48	1.20 V	18	70.74	-112.22
2	147.37	-50.35	-13.00	-37.35	1.98 V	13	57.08	-107.43
3	198.78	-57.95	-13.00	-44.95	3.33 V	118	53.36	-111.31
4	468.44	-58.82	-13.00	-45.82	2.52 V	18	43.45	-102.27
5	768.17	-51.73	-13.00	-38.73	1.74 V	310	43.70	-95.43
6	920.46	-49.22	-13.00	-36.22	3.23 V	2	43.96	-93.18

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.



Above 1GHz

GPRS

Mode	TX channel 512 (1850.2MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3700.40	-54.40	-13.00	-41.40	2.14 H	155	61.36	-115.76
2	5550.60	-54.02	-13.00	-41.02	1.24 H	188	57.28	-111.30
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3700.40	-52.28	-13.00	-39.28	2.41 V	90	63.48	-115.76
2	5550.60	-47.03	-13.00	-34.03	2.51 V	112	64.27	-111.30

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 661 (1880.0MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-54.75	-13.00	-41.75	3.32 H	104	60.82	-115.57
2	5640.00	-53.41	-13.00	-40.41	1.24 H	167	57.73	-111.14
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-51.06	-13.00	-38.06	2.23 V	16	64.51	-115.57
2	5640.00	-45.80	-13.00	-32.80	3.25 V	241	65.34	-111.14

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 810 (1909.8MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3819.60	-54.29	-13.00	-41.29	2.57 H	17	61.11	-115.40
2	5729.40	-48.57	-13.00	-35.57	2.37 H	311	62.32	-110.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3819.60	-50.44	-13.00	-37.44	3.24 V	21	64.96	-115.40
2	5729.40	-41.84	-13.00	-28.84	3.02 V	222	69.05	-110.89

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 2 (Channel Bandwidth 1.4MHz)

Mode	TX channel 18607 (1850.7MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3701.40	-58.95	-13.00	-45.95	1.72 H	242	56.81	-115.76
2	5552.10	-54.51	-13.00	-41.51	1.52 H	231	56.79	-111.30
3	7402.80	-51.40	-13.00	-38.40	1.82 H	294	54.76	-106.16
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3701.40	-57.34	-13.00	-44.34	2.31 V	199	58.42	-115.76
2	5552.10	-50.11	-13.00	-37.11	3.22 V	166	61.19	-111.30
3	7402.80	-46.85	-13.00	-33.85	1.25 V	56	59.31	-106.16

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. Margin value = EIRP – Limit value
4. The other EIRP levels were very low against the limit.

Mode	TX channel 18900 (1880.0MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-56.83	-13.00	-43.83	1.33 H	42	58.74	-115.57
2	5640.00	-54.40	-13.00	-41.40	1.34 H	166	56.74	-111.14
3	7520.00	-50.63	-13.00	-37.63	1.77 H	241	55.13	-105.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-57.90	-13.00	-44.90	1.21 V	293	57.67	-115.57
2	5640.00	-53.08	-13.00	-40.08	2.11 V	103	58.06	-111.14
3	7520.00	-50.52	-13.00	-37.52	1.85 V	323	55.24	-105.76

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 19193 (1909.3MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3818.60	-56.97	-13.00	-43.97	1.94 H	182	58.44	-115.41
2	5727.90	-52.55	-13.00	-39.55	1.68 H	51	58.34	-110.89
3	7637.20	-51.26	-13.00	-38.26	1.42 H	202	55.02	-106.28
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3818.60	-56.72	-13.00	-43.72	2.25 V	161	58.69	-115.41
2	5727.90	-51.13	-13.00	-38.13	1.43 V	37	59.76	-110.89
3	7637.20	-50.01	-13.00	-37.01	1.53 V	291	56.27	-106.28

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 2 (Channel Bandwidth 5MHz)

Mode	TX channel 18625 (1852.5MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3705.00	-58.51	-13.00	-45.51	1.66 H	234	57.23	-115.74
2	5557.50	-54.08	-13.00	-41.08	1.66 H	228	57.24	-111.32
3	7410.00	-51.02	-13.00	-38.02	1.89 H	301	55.09	-106.11
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3705.00	-56.90	-13.00	-43.90	2.34 V	192	58.84	-115.74
2	5557.50	-49.80	-13.00	-36.80	3.24 V	161	61.52	-111.32
3	7410.00	-46.34	-13.00	-33.34	1.27 V	53	59.77	-106.11

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 18900 (1880.0MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-56.34	-13.00	-43.34	1.28 H	36	59.23	-115.57
2	5640.00	-53.92	-13.00	-40.92	1.29 H	163	57.22	-111.14
3	7520.00	-50.22	-13.00	-37.22	1.79 H	321	55.54	-105.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-57.30	-13.00	-44.30	1.26 V	303	58.27	-115.57
2	5640.00	-52.73	-13.00	-39.73	2.15 V	109	58.41	-111.14
3	7520.00	-50.00	-13.00	-37.00	1.82 V	327	55.76	-105.76

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 19175 (1907.5MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.00	-56.54	-13.00	-43.54	1.96 H	185	58.87	-115.41
2	5722.50	-52.09	-13.00	-39.09	1.72 H	43	58.78	-110.87
3	7630.00	-50.86	-13.00	-37.86	1.45 H	214	55.38	-106.24
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3815.00	-56.14	-13.00	-43.14	2.31 V	164	59.27	-115.41
2	5722.50	-50.66	-13.00	-37.66	1.49 V	31	60.21	-110.87
3	7630.00	-49.59	-13.00	-36.59	1.59 V	294	56.65	-106.24

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

LTE Band 2 (Channel Bandwidth 20MHz)

Mode	TX channel 18700 (1860.0MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-57.96	-13.00	-44.96	1.15 H	344	57.74	-115.70
2	5580.00	-53.85	-13.00	-40.85	1.63 H	232	57.50	-111.35
3	7440.00	-50.49	-13.00	-37.49	1.02 H	59	55.45	-105.94
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3720.00	-56.54	-13.00	-43.54	2.41 V	199	59.16	-115.70
2	5580.00	-49.46	-13.00	-36.46	3.21 V	155	61.89	-111.35
3	7440.00	-45.74	-13.00	-32.74	1.25 V	42	60.20	-105.94

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.

Mode	TX channel 18900 (1880.0MHz)	Frequency Range	1GHz ~ 20GHz
Environmental Conditions	22deg. C, 64%RH	Input Power	4.0Vdc
Tested By	Vincent Chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-55.97	-13.00	-42.97	1.25 H	30	59.60	-115.57
2	5640.00	-53.47	-13.00	-40.47	1.24 H	157	57.67	-111.14
3	7520.00	-49.79	-13.00	-36.79	1.74 H	324	55.97	-105.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3760.00	-56.87	-13.00	-43.87	1.22 V	304	58.70	-115.57
2	5640.00	-52.30	-13.00	-39.30	2.11 V	104	58.84	-111.14
3	7520.00	-49.49	-13.00	-36.49	1.88 V	334	56.27	-105.76

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit.