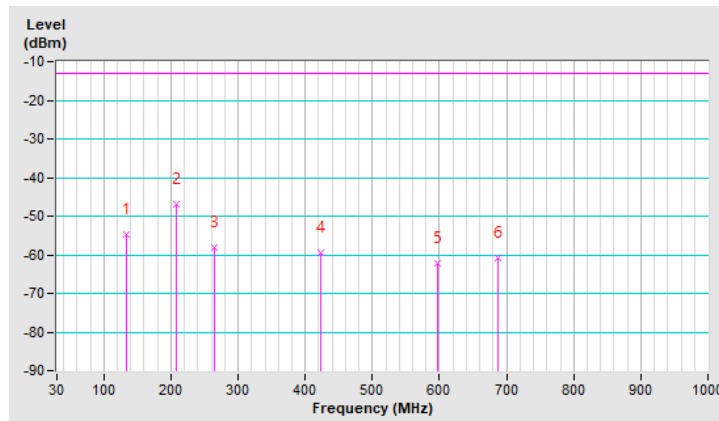


<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 15MHz	<b>Channel</b>	CH 26865 : 831.5 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	133.65	-54.77	-13.00	-41.77	1.39 V	85	61.17	-115.94
2	208.79	-46.86	-13.00	-33.86	1.69 V	231	71.46	-118.32
3	263.75	-58.23	-13.00	-45.23	1.88 V	301	57.71	-115.94
4	422.51	-59.36	-13.00	-46.36	1.12 V	272	52.22	-111.58
5	596.36	-62.21	-13.00	-49.21	1.35 V	184	45.66	-107.87
6	686.39	-60.81	-13.00	-47.81	1.54 V	72	46.00	-106.81

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



## 7.6.11 LTE Band 26 (Part 90)

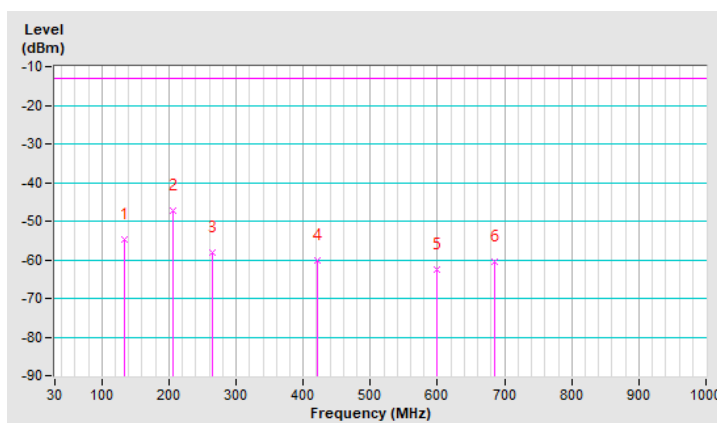
<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 26740 : 819 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	134.52	-54.71	-13.00	-41.71	1.39 H	85	61.21	-115.92
2	206.59	-47.32	-13.00	-34.32	1.69 H	231	71.05	-118.37
3	264.12	-58.17	-13.00	-45.17	1.88 H	301	57.75	-115.92
4	421.69	-60.20	-13.00	-47.20	1.12 H	272	51.41	-111.61
5	598.36	-62.44	-13.00	-49.44	1.35 H	184	45.42	-107.86
6	684.72	-60.63	-13.00	-47.63	1.54 H	72	46.22	-106.85

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

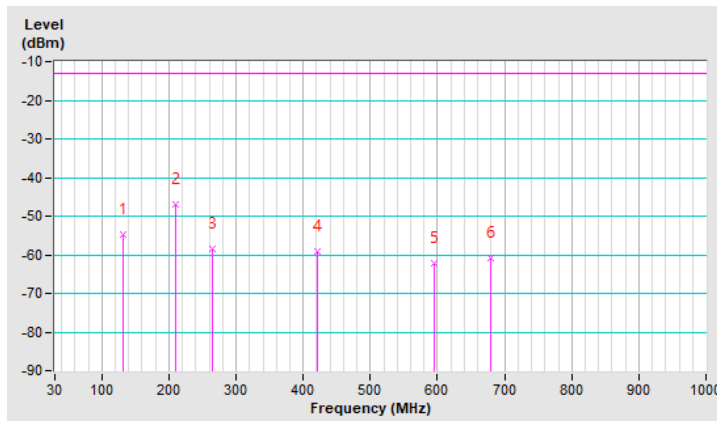


<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 26740 : 819 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	131.86	-54.68	-13.00	-41.68	1.39 V	85	61.57	-116.25
2	209.14	-46.83	-13.00	-33.83	1.69 V	231	71.49	-118.32
3	264.18	-58.63	-13.00	-45.63	1.88 V	301	57.29	-115.92
4	421.74	-59.23	-13.00	-46.23	1.12 V	272	52.38	-111.61
5	595.74	-62.36	-13.00	-49.36	1.35 V	184	45.52	-107.88
6	679.42	-60.71	-13.00	-47.71	1.54 V	72	46.22	-106.93

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



## 7.6.12 LTE Band 41

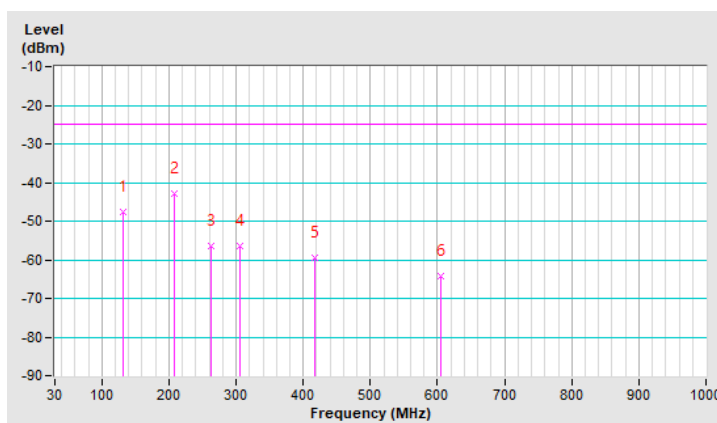
<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 40620 : 2593 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**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	132.57	-47.72	-25.00	-22.72	1.96 H	15	66.23	-113.95
2	<b>208.72</b>	<b>-42.96</b>	<b>-25.00</b>	<b>-17.96</b>	<b>1.59 H</b>	<b>271</b>	<b>73.22</b>	<b>-116.18</b>
3	263.64	-56.47	-25.00	-31.47	1.29 H	226	57.33	-113.80
4	305.39	-56.48	-25.00	-31.48	1.47 H	250	55.84	-112.32
5	416.80	-59.44	-25.00	-34.44	1.36 H	201	50.22	-109.66
6	605.28	-64.25	-25.00	-39.25	1.88 H	49	41.31	-105.56

**Remarks:**

- EIRP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8
- Margin value = EIRP – Limit value
- The other EIRP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

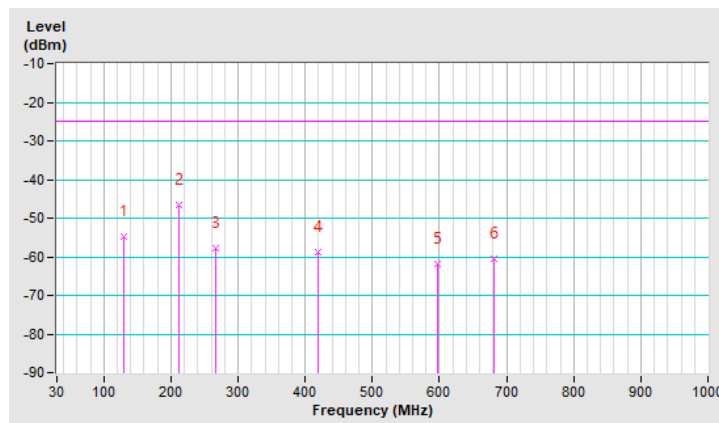


<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 40620 : 2593 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	130.44	-54.82	-25.00	-29.82	1.32 V	168	59.33	-114.15
2	211.25	-46.75	-25.00	-21.75	1.54 V	117	69.37	-116.12
3	265.89	-57.84	-25.00	-32.84	1.42 V	312	55.82	-113.66
4	418.95	-58.79	-25.00	-33.79	1.42 V	192	50.77	-109.56
5	598.11	-61.82	-25.00	-36.82	1.31 V	126	43.89	-105.71
6	682.04	-60.59	-25.00	-35.59	1.21 V	284	44.14	-104.73

**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 of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



**7.6.13 LTE Band 66**

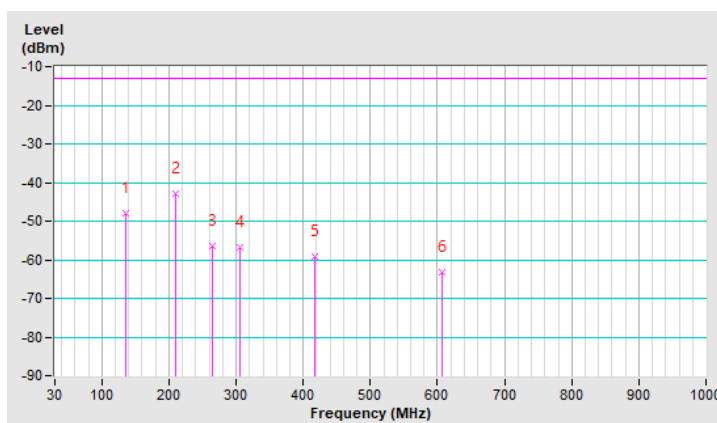
<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 132322 : 1745 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**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	135.44	-47.89	-13.00	-34.89	1.72 H	143	65.81	-113.70
2	209.67	-42.94	-13.00	-29.94	1.62 H	108	73.21	-116.15
3	263.77	-56.42	-13.00	-43.42	1.59 H	148	57.37	-113.79
4	304.77	-56.62	-13.00	-43.62	1.08 H	155	55.72	-112.34
5	418.04	-59.17	-13.00	-46.17	2.36 H	174	50.43	-109.60
6	606.25	-63.18	-13.00	-50.18	1.26 H	291	42.36	-105.54

**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 of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

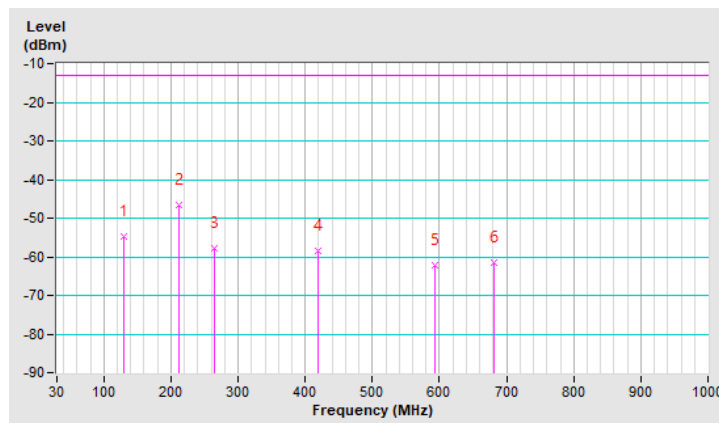


<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 132322 : 1745 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	129.60	-54.78	-13.00	-41.78	1.63 V	188	59.48	-114.26
2	212.35	-46.49	-13.00	-33.49	1.08 V	255	69.60	-116.09
3	264.74	-57.69	-13.00	-44.69	1.05 V	61	56.05	-113.74
4	418.90	-58.39	-13.00	-45.39	1.38 V	51	51.17	-109.56
5	593.88	-62.24	-13.00	-49.24	1.22 V	8	43.52	-105.76
6	680.29	-61.37	-13.00	-48.37	1.19 V	270	43.39	-104.76

**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 of frequency range 30 MHz ~ 1 GHz.
5. The EIRP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



**7.6.14 LTE Band 71**

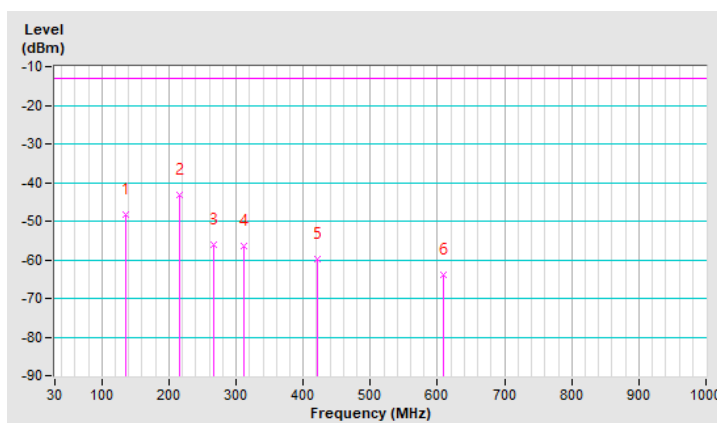
<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 133222 : 673 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	135.94	-48.28	-13.00	-35.28	1.26 H	272	67.47	-115.75
2	216.23	-43.21	-13.00	-30.21	1.63 H	28	74.96	-118.17
3	267.23	-55.94	-13.00	-42.94	1.83 H	315	59.79	-115.73
4	311.28	-56.39	-13.00	-43.39	1.72 H	256	57.89	-114.28
5	420.36	-59.80	-13.00	-46.80	1.42 H	188	51.85	-111.65
6	608.51	-63.76	-13.00	-50.76	1.38 H	260	43.85	-107.61

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



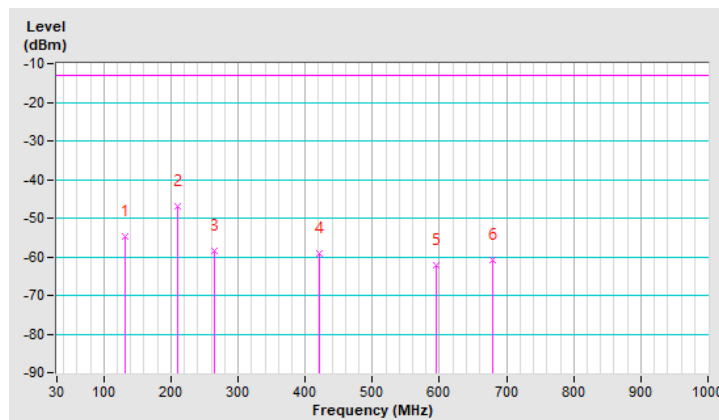


<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 133222 : 673 MHz
<b>Frequency Range</b>	30 MHz ~ 1 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	131.86	-54.68	-13.00	-41.68	1.39 V	85	61.57	-116.25
2	209.14	-46.83	-13.00	-33.83	1.69 V	231	71.49	-118.32
3	264.18	-58.63	-13.00	-45.63	1.88 V	301	57.29	-115.92
4	421.74	-59.23	-13.00	-46.23	1.12 V	272	52.38	-111.61
5	595.74	-62.36	-13.00	-49.36	1.35 V	184	45.52	-107.88
6	679.42	-60.71	-13.00	-47.71	1.54 V	72	46.22	-106.93

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.



## 7.7 Radiated Spurious Emissions above 1GHz

### 7.7.1 LTE Band 2

<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 18607 : 1850.7 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

#### 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	-51.74	-13.00	-38.74	1.24 H	185	34.55	-86.29

#### 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	-50.99	-13.00	-37.99	2.88 V	127	35.30	-86.29

#### 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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 18900 : 1880 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

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	-50.92	-13.00	-37.92	1.89 H	226	35.14	-86.06
2	5640.00	-44.88	-13.00	-31.88	1.63 H	134	37.69	-82.57
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	-50.38	-13.00	-37.38	1.12 V	151	35.68	-86.06
2	5640.00	-45.98	-13.00	-32.98	1.69 V	283	36.59	-82.57

**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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 19193 : 1909.3 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

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	-49.70	-13.00	-36.70	2.28 H	194	36.10	-85.80
2	5727.90	-48.71	-13.00	-35.71	1.75 H	341	33.82	-82.53

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	-49.17	-13.00	-36.17	2.17 V	325	36.63	-85.80
2	5727.90	-47.67	-13.00	-34.67	1.25 V	104	34.86	-82.53

**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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 18625 : 1852.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

**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	-50.55	-13.00	-37.55	1.93 H	115	35.71	-86.26
2	5557.50	-46.57	-13.00	-33.57	1.82 H	336	35.92	-82.49

**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	-51.25	-13.00	-38.25	2.36 V	104	35.01	-86.26
2	5557.50	-45.63	-13.00	-32.63	1.87 V	22	36.86	-82.49

**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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 18900 : 1880 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

**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	-49.33	-13.00	-36.33	1.54 H	263	36.73	-86.06
2	5640.00	-47.64	-13.00	-34.64	2.04 H	172	34.93	-82.57

**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	-49.26	-13.00	-36.26	2.13 V	105	36.80	-86.06
2	5640.00	-47.56	-13.00	-34.56	2.32 V	115	35.01	-82.57

**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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 19175 : 1907.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

**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	-50.04	-13.00	-37.04	1.29 H	46	35.77	-85.81
2	5722.50	-48.01	-13.00	-35.01	1.42 H	31	34.53	-82.54

**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	-49.95	-13.00	-36.95	2.04 V	121	35.86	-85.81
2	5722.50	-42.71	-13.00	-29.71	1.83 V	57	39.83	-82.54

**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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 18700 : 1860 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

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	-52.06	-13.00	-39.06	1.26 H	149	34.16	-86.22
2	5580.00	-38.45	-13.00	-25.45	2.07 H	192	44.08	-82.53

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	-50.50	-13.00	-37.50	1.13 V	281	35.72	-86.22
2	5580.00	-32.73	-13.00	-19.73	1.54 V	12	49.80	-82.53

**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.





<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 18900 : 1880 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

**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	-49.57	-13.00	-36.57	1.05 H	341	36.49	-86.06
2	5640.00	-46.87	-13.00	-33.87	1.15 H	178	35.70	-82.57

**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	-49.87	-13.00	-36.87	2.63 V	151	36.19	-86.06
2	5640.00	-48.22	-13.00	-35.22	2.64 V	271	34.35	-82.57

**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.



<b>RF Mode</b>	LTE Band 2 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 19100 : 1900 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Charles Hsiao		

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	3800.00	-48.98	-13.00	-35.98	1.87 H	251	36.86	-85.84
2	5700.00	-45.20	-13.00	-32.20	1.63 H	112	37.42	-82.62
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	3800.00	-47.67	-13.00	-34.67	1.25 V	226	38.17	-85.84
2	5700.00	-44.65	-13.00	-31.65	1.79 V	182	37.97	-82.62

**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.

## 7.7.2 LTE Band 4

<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 19957 : 1710.7 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

**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	3421.40	-52.23	-13.00	-39.23	2.16 H	188	34.60	-86.83
2	5132.10	-46.30	-13.00	-33.30	1.17 H	19	36.82	-83.12

**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	3421.40	-50.72	-13.00	-37.72	1.57 V	181	36.11	-86.83
2	5132.10	-41.48	-13.00	-28.48	1.47 V	264	41.64	-83.12

**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.



<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 20175 : 1732.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

**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	3465.00	-52.77	-13.00	-39.77	2.51 H	176	34.11	-86.88
2	5197.50	-38.01	-13.00	-25.01	1.44 H	192	44.87	-82.88

**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	3465.00	-51.98	-13.00	-38.98	1.25 V	136	34.90	-86.88
2	5197.50	-37.16	-13.00	-24.16	1.64 V	224	45.72	-82.88

**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.



<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 20393 : 1754.3 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-55.18	-13.00	-42.18	1.79 H	229	40.61	-95.79
2	2544.90	-45.99	-13.00	-32.99	2.00 H	30	44.59	-90.58
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	3508.60	-51.97	-13.00	-38.97	1.53 V	261	34.84	-86.81
2	5262.90	-44.81	-13.00	-31.81	2.14 V	177	38.15	-82.96

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 19975 : 1712.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

**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	3425.00	-51.79	-13.00	-38.79	1.39 H	42	35.06	-86.85
2	5137.50	-43.87	-13.00	-30.87	1.47 H	134	39.24	-83.11

**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	3425.00	-50.89	-13.00	-37.89	1.98 V	112	35.96	-86.85
2	5137.50	-40.43	-13.00	-27.43	2.17 V	27	42.68	-83.11

**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.

<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 20175 : 1732.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

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	3465.00	-53.24	-13.00	-40.24	1.82 H	53	33.64	-86.88
2	5197.50	-39.43	-13.00	-26.43	1.08 H	73	43.45	-82.88
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	3465.00	-52.40	-13.00	-39.40	1.53 V	206	34.48	-86.88
2	5197.50	-40.56	-13.00	-27.56	1.48 V	224	42.32	-82.88

**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.



<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 20375 : 1752.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

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	3505.00	-52.37	-13.00	-39.37	1.46 H	121	34.44	-86.81
2	5257.50	-37.33	-13.00	-24.33	1.29 H	322	45.62	-82.95

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	3505.00	-52.14	-13.00	-39.14	2.63 V	151	34.67	-86.81
2	5257.50	-34.10	-13.00	-21.10	2.17 V	150	48.85	-82.95

**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.





<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 20050 : 1720 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

**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	3440.00	-51.16	-13.00	-38.16	1.75 H	24	35.71	-86.87
2	5160.00	-48.35	-13.00	-35.35	2.64 H	137	34.68	-83.03

**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	3440.00	-51.11	-13.00	-38.11	2.04 V	159	35.76	-86.87
2	5160.00	-39.27	-13.00	-26.27	1.15 V	69	43.76	-83.03

**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.



<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 20175 : 1732.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

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	3465.00	-52.06	-13.00	-39.06	1.36 H	192	34.82	-86.88
2	5197.50	-38.74	-13.00	-25.74	2.04 H	117	44.14	-82.88

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	3465.00	-50.52	-13.00	-37.52	2.14 V	191	36.36	-86.88
2	5197.50	-42.19	-13.00	-29.19	2.35 V	104	40.69	-82.88

**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.



<b>RF Mode</b>	LTE Band 4 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 20300 : 1745 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 59% RH
<b>Tested By</b>	Chales Hsiao		

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	3490.00	-53.23	-13.00	-40.23	2.26 H	184	33.60	-86.83
2	5235.00	-41.60	-13.00	-28.60	2.55 H	194	41.32	-82.92
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	3490.00	-52.22	-13.00	-39.22	1.36 V	184	34.61	-86.83
2	5235.00	-38.96	-13.00	-25.96	1.02 V	198	43.96	-82.92

**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.

## 7.7.3 LTE Band 5

<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 20407 : 824.7 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-55.25	-13.00	-42.25	1.62 H	199	41.37	-96.62
2	2474.10	-42.74	-13.00	-29.74	1.34 H	100	48.13	-90.87

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-54.98	-13.00	-41.98	1.33 V	301	41.64	-96.62
2	2474.10	-43.91	-13.00	-30.91	1.54 V	222	46.96	-90.87

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 20525 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-47.64	-13.00	-34.64	1.55 H	255	48.56	-96.20
2	2509.50	-45.80	-13.00	-32.80	1.67 H	188	44.95	-90.75

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-54.99	-13.00	-41.99	1.20 V	112	41.21	-96.20
2	2509.50	-43.53	-13.00	-30.53	1.75 V	339	47.22	-90.75

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 20643 : 848.3 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-55.18	-13.00	-42.18	1.79 H	229	40.61	-95.79
2	2544.90	-45.99	-13.00	-32.99	2.00 H	30	44.59	-90.58

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-57.46	-13.00	-44.46	1.78 V	88	38.33	-95.79
2	2544.90	-42.25	-13.00	-29.25	1.67 V	69	48.33	-90.58

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 20425 : 826.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-57.81	-13.00	-44.81	1.33 H	310	38.74	-96.55
2	2479.50	-51.64	-13.00	-38.64	1.18 H	17	39.21	-90.85

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-56.71	-13.00	-43.71	1.55 V	144	39.84	-96.55
2	2479.50	-50.03	-13.00	-37.03	1.34 V	209	40.82	-90.85

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 20525 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-52.02	-13.00	-39.02	1.99 H	198	44.18	-96.20
2	2509.50	-47.83	-13.00	-34.83	1.73 H	209	42.92	-90.75

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-55.85	-13.00	-42.85	1.20 V	112	40.35	-96.20
2	2509.50	-43.10	-13.00	-30.10	1.70 V	190	47.65	-90.75

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.





<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 20625 : 846.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-52.13	-13.00	-39.13	1.11 H	141	43.72	-95.85
2	2539.50	-45.96	-13.00	-32.96	1.35 H	300	44.65	-90.61
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-53.61	-13.00	-40.61	1.55 V	181	42.24	-95.85
2	2539.50	-42.08	-13.00	-29.08	1.15 V	167	48.53	-90.61

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 20450 : 829 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-54.28	-13.00	-41.28	1.46 H	195	42.18	-96.46
2	2487.00	-43.45	-13.00	-30.45	1.16 H	190	47.38	-90.83

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-55.97	-13.00	-42.97	1.14 V	154	40.49	-96.46
2	2487.00	-46.25	-13.00	-33.25	1.55 V	200	44.58	-90.83

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 20525 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-52.32	-13.00	-39.32	1.32 H	111	43.88	-96.20
2	2509.50	-46.58	-13.00	-33.58	1.16 H	357	44.17	-90.75

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-50.17	-13.00	-37.17	1.20 V	263	46.03	-96.20
2	2509.50	-44.65	-13.00	-31.65	1.15 V	190	46.10	-90.75

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 5 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 20600 : 844 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1688.00	-51.26	-13.00	-38.26	1.66 H	135	44.68	-95.94
2	2532.00	-41.73	-13.00	-28.73	1.01 H	241	48.91	-90.64
3	3376.00	-51.88	-13.00	-38.88	1.95 H	288	37.07	-88.95
4	4220.00	-48.03	-13.00	-35.03	1.48 H	8	39.01	-87.04

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1688.00	-53.37	-13.00	-40.37	1.89 V	337	42.57	-95.94
2	2532.00	-40.61	-13.00	-27.61	1.44 V	141	50.03	-90.64
3	3376.00	-52.39	-13.00	-39.39	1.05 V	100	36.56	-88.95
4	4220.00	-50.58	-13.00	-37.58	1.04 V	174	36.46	-87.04

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

**7.7.4 LTE Band 7**

<b>RF Mode</b>	LTE Band 7 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 20775 : 2502.5 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

<b>Antenna Polarity &amp; Test Distance : Horizontal at 3 m</b>								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5005.00	-47.55	-25.00	-22.55	1.66 H	219	35.62	-83.17
<b>Antenna Polarity &amp; Test Distance : Vertical at 3 m</b>								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5005.00	-47.89	-25.00	-22.89	1.17 V	183	35.28	-83.17

**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.



<b>RF Mode</b>	LTE Band 7 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 21100 : 2535 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5070.00	-47.67	-25.00	-22.67	1.40 H	214	35.55	-83.22
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	5070.00	-46.00	-25.00	-21.00	1.39 V	119	37.22	-83.22

**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.



<b>RF Mode</b>	LTE Band 7 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 21425 : 2567.5 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5135.00	-48.36	-25.00	-23.36	1.36 H	118	34.75	-83.11
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	5135.00	-47.67	-25.00	-22.67	1.44 V	187	35.44	-83.11

**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.



<b>RF Mode</b>	LTE Band 7 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 20850 : 2510 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5020.00	-47.19	-25.00	-22.19	1.45 H	244	36.02	-83.21
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	5020.00	-48.69	-25.00	-23.69	1.21 V	118	34.52	-83.21

**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.





<b>RF Mode</b>	LTE Band 7 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 21100 : 2535 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5070.00	-47.66	-25.00	-22.66	1.38 H	189	35.56	-83.22
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	5070.00	-46.59	-25.00	-21.59	1.15 V	174	36.63	-83.22

**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.



<b>RF Mode</b>	LTE Band 7 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 21350 : 2560 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5120.00	-49.01	-25.00	-24.01	1.55 H	214	34.13	-83.14
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	5120.00	-45.87	-25.00	-20.87	1.83 V	333	37.27	-83.14

**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.

**7.7.5 LTE Band 12**

<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 23017 : 699.7 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1399.40	-56.14	-13.00	-43.14	1.63 H	333	41.36	-97.50
2	2099.10	-40.62	-13.00	-27.62	1.78 H	99	51.39	-92.01

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1399.40	-57.84	-13.00	-44.84	1.48 V	150	39.66	-97.50
2	2099.10	-41.71	-13.00	-28.71	1.75 V	201	50.30	-92.01

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 23095 : 707.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-56.80	-13.00	-43.80	1.66 H	154	40.82	-97.62
2	2122.50	-36.00	-13.00	-23.00	1.78 H	1	56.13	-92.13
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-57.65	-13.00	-44.65	1.77 V	174	39.97	-97.62
2	2122.50	-34.97	-13.00	-21.97	1.36 V	155	57.16	-92.13

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 23173 : 715.3 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1430.60	-57.27	-13.00	-44.27	1.44 H	176	40.49	-97.76
2	2145.90	-37.76	-13.00	-24.76	1.05 H	200	54.49	-92.25

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1430.60	-59.53	-13.00	-46.53	1.78 V	99	38.23	-97.76
2	2145.90	-39.87	-13.00	-26.87	1.42 V	18	52.38	-92.25

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23035 : 701.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1403.00	-57.06	-13.00	-44.06	1.66 H	237	40.47	-97.53
2	2104.50	-43.48	-13.00	-30.48	1.08 H	77	48.56	-92.04

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1403.00	-57.70	-13.00	-44.70	1.97 V	110	39.83	-97.53
2	2104.50	-41.67	-13.00	-28.67	1.89 V	99	50.37	-92.04

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23095 : 707.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-57.03	-13.00	-44.03	1.93 H	315	40.59	-97.62
2	2122.50	-39.24	-13.00	-26.24	1.19 H	113	52.89	-92.13

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-58.51	-13.00	-45.51	1.66 V	162	39.11	-97.62
2	2122.50	-40.87	-13.00	-27.87	1.73 V	248	51.26	-92.13

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23155 : 713.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-59.28	-13.00	-46.28	1.44 H	154	38.44	-97.72
2	2140.50	-38.91	-13.00	-25.91	1.23 H	322	53.32	-92.23

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-57.80	-13.00	-44.80	1.58 V	44	39.92	-97.72
2	2140.50	-35.87	-13.00	-22.87	1.63 V	229	56.36	-92.23

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23060 : 704 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1408.00	-54.27	-13.00	-41.27	1.92 H	227	43.30	-97.57
2	2112.00	-34.96	-13.00	-21.96	1.38 H	311	57.12	-92.08
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1408.00	-58.16	-13.00	-45.16	1.57 V	115	39.41	-97.57
2	2112.00	-39.65	-13.00	-26.65	1.05 V	165	52.43	-92.08

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23095 : 707.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-55.81	-13.00	-42.81	1.62 H	297	41.81	-97.62
2	2122.50	-38.16	-13.00	-25.16	1.05 H	113	53.97	-92.13

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1415.00	-58.09	-13.00	-45.09	1.88 V	174	39.53	-97.62
2	2122.50	-40.08	-13.00	-27.08	1.13 V	92	52.05	-92.13

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 12 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23130 : 711 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-56.29	-13.00	-43.29	1.56 H	229	41.39	-97.68
2	2133.00	-38.79	-13.00	-25.79	1.18 H	260	53.39	-92.18

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-59.19	-13.00	-46.19	1.98 V	99	38.49	-97.68
2	2133.00	-44.33	-13.00	-31.33	1.44 V	217	47.85	-92.18

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

**7.7.6 LTE Band 13**

<b>RF Mode</b>	LTE Band 13 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23205 : 779.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**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	1559.00	-59.10	-40.00	-19.10	1.09 H	110	36.30	-95.40

**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	1559.00	-57.30	-40.00	-17.30	1.67 V	197	38.10	-95.40

**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.



<b>RF Mode</b>	LTE Band 13 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23230 : 782 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	1564.00	-55.40	-40.00	-15.40	1.44 H	157	40.00	-95.40
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	1564.00	-57.20	-40.00	-17.20	1.38 V	192	38.20	-95.40

**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.



<b>RF Mode</b>	LTE Band 13 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23255 : 784.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	1569.00	-53.50	-40.00	-13.50	1.44 H	136	41.80	-95.30
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	1569.00	-57.20	-40.00	-17.20	1.02 V	74	38.10	-95.30

**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.

<b>RF Mode</b>	LTE Band 13 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23230 : 782 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	1564.00	-53.10	-40.00	-13.10	1.44 H	157	42.30	-95.40
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	1564.00	-55.30	-40.00	-15.30	1.38 V	116	40.10	-95.40

**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.

**7.7.7 LTE Band 14**

<b>RF Mode</b>	LTE Band 14 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23305 : 790.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**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	1581.00	-56.83	-40.00	-16.83	1.40 H	117	38.42	-95.25

**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	1581.00	-57.22	-40.00	-17.22	1.15 V	129	38.03	-95.25

**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.





<b>RF Mode</b>	LTE Band 14 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23330 : 793 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	1586.00	-57.44	-40.00	-17.44	1.16 H	197	37.77	-95.21
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	1586.00	-55.42	-40.00	-15.42	1.36 V	119	39.79	-95.21

**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.



<b>RF Mode</b>	LTE Band 14 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23355 : 795.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	1591.00	-56.34	-40.00	-16.34	1.45 H	177	38.83	-95.17
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	1591.00	-53.64	-40.00	-13.64	1.13 V	332	41.53	-95.17

**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.



<b>RF Mode</b>	LTE Band 14 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23330 : 793 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	1586.00	-51.51	-40.00	-11.51	1.36 H	113	43.70	-95.21
2	2379.00	-36.97	-13.00	-23.97	1.05 H	210	51.92	-88.89
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	1586.00	-56.77	-40.00	-16.77	1.59 V	99	38.44	-95.21
2	2379.00	-47.19	-13.00	-34.19	1.37 V	117	41.70	-88.89

**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.

**7.7.8 LTE Band 17**

<b>RF Mode</b>	LTE Band 17 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23755 : 706.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1413.00	-58.25	-13.00	-45.25	1.25 H	118	39.37	-97.62
2	2119.50	-52.85	-13.00	-39.85	1.54 H	100	39.26	-92.11

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1413.00	-58.76	-13.00	-45.76	1.63 V	333	38.86	-97.62
2	2119.50	-54.63	-13.00	-41.63	1.48 V	111	37.48	-92.11

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 17 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23790 : 710 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-57.46	-13.00	-44.46	1.89 H	199	40.21	-97.67
2	2130.00	-42.21	-13.00	-29.21	1.04 H	94	49.96	-92.17
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-58.76	-13.00	-45.76	1.33 V	329	38.91	-97.67
2	2130.00	-52.63	-13.00	-39.63	1.17 V	180	39.54	-92.17

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 17 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 23825 : 713.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-57.17	-13.00	-44.17	1.05 H	200	40.55	-97.72
2	2140.50	-42.55	-13.00	-29.55	1.50 H	188	49.68	-92.23
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1427.00	-58.17	-13.00	-45.17	1.18 V	208	39.55	-97.72
2	2140.50	-43.90	-13.00	-30.90	1.88 V	236	48.33	-92.23

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 17 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23780 : 709 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1418.00	-54.77	-13.00	-41.77	1.97 H	189	42.88	-97.65
2	2127.00	-42.44	-13.00	-29.44	1.24 H	111	49.71	-92.15
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1418.00	-58.16	-13.00	-45.16	1.65 V	229	39.49	-97.65
2	2127.00	-43.68	-13.00	-30.68	1.87 V	360	48.47	-92.15

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 17 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23790 : 710 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-53.76	-13.00	-40.76	1.49 H	267	43.91	-97.67
2	2130.00	-41.35	-13.00	-28.35	1.13 H	350	50.82	-92.17
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1420.00	-57.92	-13.00	-44.92	1.16 V	165	39.75	-97.67
2	2130.00	-39.44	-13.00	-26.44	1.17 V	192	52.73	-92.17

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.





<b>RF Mode</b>	LTE Band 17 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 23800 : 711 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-55.51	-13.00	-42.51	1.68 H	197	42.17	-97.68
2	2133.00	-40.93	-13.00	-27.93	1.05 H	118	51.25	-92.18

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1422.00	-59.21	-13.00	-46.21	1.23 V	329	38.47	-97.68
2	2133.00	-46.45	-13.00	-33.45	1.44 V	174	45.73	-92.18

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

**7.7.9 LTE Band 25**

<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26047 : 1850.7 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**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	-49.21	-13.00	-36.21	1.66 H	329	37.08	-86.29

**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	-50.39	-13.00	-37.39	1.29 V	284	35.90	-86.29

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26365 : 1882.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**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	3765.00	-49.84	-13.00	-36.84	1.44 H	141	36.20	-86.04
2	5647.50	-43.91	-13.00	-30.91	1.35 H	111	38.66	-82.57

**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	3765.00	-49.98	-13.00	-36.98	1.63 V	339	36.06	-86.04
2	5647.50	-41.22	-13.00	-28.22	1.85 V	87	41.35	-82.57

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26683 : 1914.3 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	3828.60	-47.92	-13.00	-34.92	1.78 H	185	37.86	-85.78
2	5742.90	-39.56	-13.00	-26.56	1.63 H	326	42.91	-82.47
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	3828.60	-48.35	-13.00	-35.35	1.18 V	295	37.43	-85.78
2	5742.90	-36.40	-13.00	-23.40	1.14 V	174	46.07	-82.47

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26065 : 1852.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	-50.94	-13.00	-37.94	1.64 H	75	35.32	-86.26
2	5557.50	-40.56	-13.00	-27.56	1.74 H	199	41.93	-82.49

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	-50.73	-13.00	-37.73	1.18 V	274	35.53	-86.26
2	5557.50	-43.29	-13.00	-30.29	1.99 V	195	39.20	-82.49

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26365 : 1882.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	3765.00	-49.75	-13.00	-36.75	1.16 H	168	36.29	-86.04
2	5647.50	-43.70	-13.00	-30.70	1.00 H	100	38.87	-82.57

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	3765.00	-49.78	-13.00	-36.78	1.40 V	104	36.26	-86.04
2	5647.50	-40.17	-13.00	-27.17	1.66 V	319	42.40	-82.57

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26665 : 1912.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	3825.00	-49.12	-13.00	-36.12	1.80 H	185	36.68	-85.80
2	5737.50	-47.87	-13.00	-34.87	1.15 H	197	34.62	-82.49

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	3825.00	-48.08	-13.00	-35.08	1.18 V	294	37.72	-85.80
2	5737.50	-43.43	-13.00	-30.43	1.67 V	114	39.06	-82.49

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 26140 : 1860 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	-51.22	-13.00	-38.22	1.63 H	287	35.00	-86.22
2	5580.00	-47.02	-13.00	-34.02	1.53 H	154	35.51	-82.53

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	-48.14	-13.00	-35.14	1.18 V	146	38.08	-86.22
2	5580.00	-42.92	-13.00	-29.92	1.99 V	198	39.61	-82.53

**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.





<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 26365 : 1882.5 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**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	3765.00	-50.55	-13.00	-37.55	1.15 H	186	35.49	-86.04
2	5647.50	-48.40	-13.00	-35.40	1.75 H	118	34.17	-82.57

**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	3765.00	-48.99	-13.00	-35.99	1.12 V	270	37.05	-86.04
2	5647.50	-42.36	-13.00	-29.36	1.37 V	117	40.21	-82.57

**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.



<b>RF Mode</b>	LTE Band 25 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 26590 : 1905 MHz
<b>Frequency Range</b>	1 GHz ~ 20 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

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	3810.00	-43.59	-13.00	-30.59	1.59 H	114	42.24	-85.83
2	5715.00	-38.34	-13.00	-25.34	1.64 H	118	44.23	-82.57
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	3810.00	-44.32	-13.00	-31.32	1.16 V	183	41.51	-85.83
2	5715.00	-36.38	-13.00	-23.38	1.02 V	103	46.19	-82.57

**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.

**7.7.10 LTE Band 26 (Part 22)**

<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26797 : 824.7 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-55.86	-13.00	-42.86	1.62 H	166	40.76	-96.62
2	2474.10	-44.74	-13.00	-31.74	1.17 H	48	46.13	-90.87

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1649.40	-56.27	-13.00	-43.27	1.99 V	167	40.35	-96.62
2	2474.10	-41.15	-13.00	-28.15	1.33 V	210	49.72	-90.87

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26915 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-53.04	-13.00	-40.04	1.20 H	228	43.16	-96.20
2	2509.50	-46.45	-13.00	-33.45	1.99 H	167	44.30	-90.75

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-54.50	-13.00	-41.50	1.40 V	177	41.70	-96.20
2	2509.50	-40.44	-13.00	-27.44	1.75 V	289	50.31	-90.75

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 27033 : 848.3 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-51.60	-13.00	-38.60	1.79 H	117	44.19	-95.79
2	2544.90	-46.30	-13.00	-33.30	1.03 H	153	44.28	-90.58

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1696.60	-56.13	-13.00	-43.13	1.79 V	228	39.66	-95.79
2	2544.90	-40.95	-13.00	-27.95	1.30 V	360	49.63	-90.58

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26815 : 826.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-55.96	-13.00	-42.96	1.43 H	144	40.59	-96.55
2	2479.50	-49.87	-13.00	-36.87	1.02 H	100	40.98	-90.85

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1653.00	-57.11	-13.00	-44.11	1.33 V	87	39.44	-96.55
2	2479.50	-46.60	-13.00	-33.60	1.33 V	162	44.25	-90.85

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26915 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-51.93	-13.00	-38.93	1.15 H	196	44.27	-96.20
2	2509.50	-46.44	-13.00	-33.44	1.17 H	175	44.31	-90.75

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-53.76	-13.00	-40.76	1.16 V	352	42.44	-96.20
2	2509.50	-43.30	-13.00	-30.30	1.13 V	341	47.45	-90.75

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3.  $Margin\ value = ERP - Limit\ value$
4. The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 27015 : 846.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-53.01	-13.00	-40.01	1.32 H	150	42.84	-95.85
2	2539.50	-45.55	-13.00	-32.55	1.61 H	177	45.06	-90.61
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1693.00	-53.70	-13.00	-40.70	1.85 V	118	42.15	-95.85
2	2539.50	-41.71	-13.00	-28.71	1.37 V	356	48.90	-90.61

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.





<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 15MHz	<b>Channel</b>	CH 26865 : 831.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1663.00	-54.89	-13.00	-41.89	1.37 H	196	41.48	-96.37
2	2494.50	-44.15	-13.00	-31.15	1.34 H	100	46.66	-90.81
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1663.00	-55.67	-13.00	-42.67	1.37 V	188	40.70	-96.37
2	2494.50	-40.40	-13.00	-27.40	1.81 V	163	50.41	-90.81

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 15MHz	<b>Channel</b>	CH 26915 : 836.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-53.94	-13.00	-40.94	1.12 H	271	42.26	-96.20
2	2509.50	-47.95	-13.00	-34.95	1.63 H	333	42.80	-90.75

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-54.43	-13.00	-41.43	1.12 V	221	41.77	-96.20
2	2509.50	-42.60	-13.00	-29.60	1.38 V	8	48.15	-90.75

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 15MHz	<b>Channel</b>	CH 26965 : 841.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1683.00	-49.26	-13.00	-36.26	1.42 H	188	46.76	-96.02
2	2524.50	-44.86	-13.00	-31.86	1.96 H	309	45.83	-90.69

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1683.00	-52.43	-13.00	-39.43	1.55 V	124	43.59	-96.02
2	2524.50	-41.08	-13.00	-28.08	1.34 V	100	49.61	-90.69

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

**7.7.11 LTE Band 26 (Part 90)**

<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26697 : 814.7 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1629.40	-52.81	-13.00	-39.81	1.69 H	331	44.07	-96.88
2	2444.10	-42.56	-13.00	-29.56	1.78 H	199	48.33	-90.89

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1629.40	-54.57	-13.00	-41.57	1.88 V	164	42.31	-96.88
2	2444.10	-40.65	-13.00	-27.65	1.05 V	270	50.24	-90.89

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26740 : 819 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-53.32	-13.00	-40.32	1.09 H	81	43.45	-96.77
2	2457.00	-45.76	-13.00	-32.76	1.42 H	222	45.14	-90.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-55.92	-13.00	-42.92	1.10 V	107	40.85	-96.77
2	2457.00	-38.66	-13.00	-25.66	1.39 V	90	52.24	-90.90

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 26783 : 823.3 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1646.60	-53.78	-13.00	-40.78	1.08 H	187	42.87	-96.65
2	2469.90	-46.08	-13.00	-33.08	1.90 H	188	44.80	-90.88

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1646.60	-52.63	-13.00	-39.63	1.65 V	55	44.02	-96.65
2	2469.90	-44.52	-13.00	-31.52	1.78 V	188	46.36	-90.88

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26715 : 816.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1633.00	-51.99	-13.00	-38.99	1.20 H	118	44.84	-96.83
2	2449.50	-48.58	-13.00	-35.58	1.66 H	164	42.34	-90.92
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1633.00	-53.38	-13.00	-40.38	1.19 V	219	43.45	-96.83
2	2449.50	-41.19	-13.00	-28.19	1.08 V	344	49.73	-90.92

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26740 : 819 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-51.17	-13.00	-38.17	1.80 H	277	45.60	-96.77
2	2457.00	-40.98	-13.00	-27.98	1.06 H	104	49.92	-90.90

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-54.77	-13.00	-41.77	1.68 V	270	42.00	-96.77
2	2457.00	-37.73	-13.00	-24.73	1.60 V	201	53.17	-90.90

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.





<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 26765 : 816.47 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1643.00	-54.97	-13.00	-41.97	1.89 H	271	41.74	-96.71
2	2464.50	-42.56	-13.00	-29.56	1.05 H	150	48.33	-90.89

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1643.00	-54.34	-13.00	-41.34	1.66 V	193	42.37	-96.71
2	2464.50	-39.56	-13.00	-26.56	1.10 V	240	51.33	-90.89

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 26 Channel Bandwidth: 10MHz	<b>Channel</b>	CH 26740 : 819 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-50.62	-13.00	-37.62	1.77 H	161	46.15	-96.77
2	2457.00	-41.81	-13.00	-28.81	1.43 H	119	49.09	-90.90
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1638.00	-54.10	-13.00	-41.10	1.64 V	313	42.67	-96.77
2	2457.00	-34.65	-13.00	-21.65	1.34 V	111	56.25	-90.90

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

## 7.7.12 LTE Band 41

<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 39675 : 2498.5 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	4997.00	-47.24	-25.00	-22.24	1.19 H	283	35.95	-83.19
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	4997.00	-46.78	-25.00	-21.78	1.83 V	333	36.41	-83.19

**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.

<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 40620 : 2593 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5186.00	-47.53	-25.00	-22.53	1.82 H	337	35.40	-82.93
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	5186.00	-46.45	-25.00	-21.45	1.78 V	144	36.48	-82.93

**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.

<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 41565 : 2687.5 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5375.00	-48.27	-25.00	-23.27	1.02 H	100	34.57	-82.84
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	5375.00	-47.68	-25.00	-22.68	1.84 V	288	35.16	-82.84

**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.

<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 39750 : 2506 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5012.00	-47.20	-25.00	-22.20	1.64 H	118	35.99	-83.19
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	5012.00	-47.92	-25.00	-22.92	1.83 V	182	35.27	-83.19

**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.



<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 40620 : 2593 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5186.00	-45.06	-25.00	-20.06	1.44 H	192	37.87	-82.93
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	5186.00	-45.63	-25.00	-20.63	1.19 V	144	37.30	-82.93

**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.



<b>RF Mode</b>	LTE Band 41 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 41490 : 2680 MHz
<b>Frequency Range</b>	1 GHz ~ 27 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	5360.00	-48.35	-25.00	-23.35	1.16 H	152	34.54	-82.89
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	5360.00	-48.51	-25.00	-23.51	1.37 V	117	34.38	-82.89

**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.



## 7.7.13 LTE Band 66

<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 131979 : 1710.7 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**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	3421.40	-51.56	-13.00	-38.56	1.19 H	190	35.27	-86.83
2	5132.10	-45.26	-13.00	-32.26	1.92 H	228	37.86	-83.12

**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	3421.40	-51.24	-13.00	-38.24	1.67 V	227	35.59	-86.83
2	5132.10	-47.09	-13.00	-34.09	1.12 V	130	36.03	-83.12

**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.

<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 132322 : 1745 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	3490.00	-51.93	-13.00	-38.93	1.45 H	284	34.90	-86.83
2	5235.00	-45.63	-13.00	-32.63	1.33 H	329	37.29	-82.92
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	3490.00	-52.09	-13.00	-39.09	1.33 V	328	34.74	-86.83
2	5235.00	-39.33	-13.00	-26.33	1.78 V	88	43.59	-82.92

**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.



<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 1.4MHz	<b>Channel</b>	CH 132665 : 1779.3 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	3558.60	-51.77	-13.00	-38.77	1.69 H	154	34.89	-86.66
2	5337.90	-43.55	-13.00	-30.55	1.33 H	325	39.39	-82.94
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	3558.60	-51.90	-13.00	-38.90	1.38 V	88	34.76	-86.66
2	5337.90	-39.92	-13.00	-26.92	1.24 V	221	43.02	-82.94

**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.



<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 131997 : 1712.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**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	3425.00	-51.68	-13.00	-38.68	1.78 H	77	35.17	-86.85
2	5137.50	-44.65	-13.00	-31.65	1.36 H	225	38.46	-83.11

**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	3425.00	-52.23	-13.00	-39.23	1.59 V	136	34.62	-86.85
2	5137.50	-45.65	-13.00	-32.65	1.68 V	226	37.46	-83.11

**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.



<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 132322 : 1745 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	3490.00	-53.01	-13.00	-40.01	1.93 H	337	33.82	-86.83
2	5235.00	-45.08	-13.00	-32.08	1.81 H	117	37.84	-82.92
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	3490.00	-52.49	-13.00	-39.49	1.15 V	57	34.34	-86.83
2	5235.00	-42.77	-13.00	-29.77	1.63 V	33	40.15	-82.92

**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.

<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 132647 : 1777.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	3555.00	-51.53	-13.00	-38.53	1.44 H	146	35.16	-86.69
2	5332.50	-45.68	-13.00	-32.68	1.68 H	221	37.29	-82.97
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	3555.00	-52.73	-13.00	-39.73	1.89 V	99	33.96	-86.69
2	5332.50	-44.68	-13.00	-31.68	2.21 V	142	38.29	-82.97

**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.

<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 132072 : 1720 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	3440.00	-52.49	-13.00	-39.49	1.89 H	277	34.38	-86.87
2	5160.00	-46.93	-13.00	-33.93	1.35 H	206	36.10	-83.03
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	3440.00	-52.96	-13.00	-39.96	1.77 V	112	33.91	-86.87
2	5160.00	-44.42	-13.00	-31.42	1.24 V	360	38.61	-83.03

**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.

<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 132322 : 1745 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

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	3490.00	-51.95	-13.00	-38.95	1.44 H	177	34.88	-86.83
2	5235.00	-40.14	-13.00	-27.14	1.63 H	337	42.78	-82.92
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	3490.00	-52.89	-13.00	-39.89	1.83 V	229	33.94	-86.83
2	5235.00	-39.25	-13.00	-26.25	1.06 V	197	43.67	-82.92

**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.





<b>RF Mode</b>	LTE Band 66 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 132572 : 1770 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**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	3540.00	-51.97	-13.00	-38.97	1.33 H	329	34.79	-86.76
2	5310.00	-45.62	-13.00	-32.62	1.46 H	225	37.39	-83.01

**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	3540.00	-50.84	-13.00	-37.84	1.70 V	197	35.92	-86.76
2	5310.00	-46.58	-13.00	-33.58	1.65 V	168	36.43	-83.01

**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.

## 7.7.14 LTE Band 71

<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 133147 : 665.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1331.00	-57.58	-13.00	-44.58	1.11 H	141	39.53	-97.11
2	1995.50	-43.32	-13.00	-30.32	1.06 H	200	48.47	-91.79

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1331.00	-58.74	-13.00	-45.74	1.66 V	137	38.37	-97.11
2	1995.50	-47.03	-13.00	-34.03	1.57 V	111	44.76	-91.79

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 133297 : 680.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-56.55	-13.00	-43.55	1.37 H	207	40.87	-97.42
2	2041.50	-50.38	-13.00	-37.38	1.87 H	244	41.73	-92.11

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-57.55	-13.00	-44.55	1.92 V	199	39.87	-97.42
2	2041.50	-40.11	-13.00	-27.11	1.37 V	77	52.00	-92.11

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.



<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 5MHz	<b>Channel</b>	CH 133447 : 695.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

**Antenna Polarity & Test Distance : Horizontal at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1391.00	-59.11	-13.00	-46.11	1.00 H	3	38.37	-97.48
2	2086.50	-51.00	-13.00	-38.00	1.80 H	240	41.05	-92.05

**Antenna Polarity & Test Distance : Vertical at 3 m**

No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1391.00	-58.26	-13.00	-45.26	1.48 V	201	39.22	-97.48
2	2086.50	-48.00	-13.00	-35.00	1.60 V	121	44.05	-92.05

**Remarks:**

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB)  
+ 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 133222 : 673 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1346.00	-53.99	-13.00	-40.99	1.71 H	135	43.35	-97.34
2	2019.00	-37.71	-13.00	-24.71	1.12 H	240	54.20	-91.91
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1346.00	-57.86	-13.00	-44.86	1.63 V	359	39.48	-97.34
2	2019.00	-39.32	-13.00	-26.32	1.98 V	180	52.59	-91.91

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 133297 : 680.5 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-56.30	-13.00	-43.30	1.42 H	218	41.12	-97.42
2	2041.50	-50.26	-13.00	-37.26	1.62 H	160	41.85	-92.11
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1361.00	-58.14	-13.00	-45.14	1.95 V	55	39.28	-97.42
2	2041.50	-39.70	-13.00	-26.70	1.75 V	111	52.41	-92.11

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

<b>RF Mode</b>	LTE Band 71 Channel Bandwidth: 20MHz	<b>Channel</b>	CH 133372 : 688 MHz
<b>Frequency Range</b>	1 GHz ~ 18 GHz	<b>Detector Function &amp; Bandwidth</b>	1 MHz/3 MHz (RMS)
<b>Input Power</b>	120 Vac, 60 Hz	<b>Environmental Conditions</b>	25°C, 60% RH
<b>Tested By</b>	Chales Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-55.39	-13.00	-42.39	1.13 H	254	42.06	-97.45
2	2064.00	-39.26	-13.00	-26.26	1.05 H	200	52.87	-92.13
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1376.00	-57.73	-13.00	-44.73	1.45 V	297	39.72	-97.45
2	2064.00	-39.87	-13.00	-26.87	1.13 V	154	52.26	-92.13

**Remarks:**

1.  $ERP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2.  $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8 - 2.15$
3. Margin value = ERP – Limit value
4. The other ERP levels were very low against the limit.

## 7.8 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	Willy Chng
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### 7.8.1 LTE Band 2

#### LTE Band 2, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18607 (1850.7 MHz)		CH 19193 (1909.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1850.700003	0.0016	1909.300003	0.0016
7.30	1850.699997	0.0016	1909.299999	0.0005
8.30	1850.700001	0.0005	1909.299997	0.0016

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18607 (1850.7 MHz)		CH 19193 (1909.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1850.699997	0.0016	1909.299998	0.001
-20	1850.699995	0.0027	1909.299992	0.0042
-10	1850.70001	0.0054	1909.30001	0.0052
0	1850.700003	0.0016	1909.300007	0.0037
10	1850.699994	0.0032	1909.299997	0.0016
20	1850.699993	0.0038	1909.299997	0.0016
30	1850.700009	0.0049	1909.300009	0.0047
40	1850.699995	0.0027	1909.299992	0.0042
50	1850.699991	0.0049	1909.29999	0.0052



**LTE Band 2, Channel Bandwidth: 3 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 18615 (1851.5 MHz)</b>		<b>CH 19185 (1908.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1851.499997	0.0016	1908.5	0
7.30	1851.499995	0.0027	1908.499997	0.0016
8.30	1851.500006	0.0032	1908.500008	0.0042

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 18615 (1851.5 MHz)</b>		<b>CH 19185 (1908.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1851.500009	0.0049	1908.500004	0.0021
-20	1851.499996	0.0022	1908.499998	0.001
-10	1851.500005	0.0027	1908.500009	0.0047
0	1851.499992	0.0043	1908.499994	0.0031
10	1851.500008	0.0043	1908.500005	0.0026
20	1851.500003	0.0016	1908.499998	0.001
30	1851.500008	0.0043	1908.500001	0.0052
40	1851.499996	0.0022	1908.499996	0.0021
50	1851.5	0	1908.5	0

**LTE Band 2, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 18625 (1852.5 MHz)</b>		<b>CH 19175 (1907.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1852.499996	0.0022	1907.500001	0.0005
7.30	1852.500007	0.0038	1907.500006	0.0031
8.30	1852.500007	0.0038	1907.50001	0.0052

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 18625 (1852.5 MHz)</b>		<b>CH 19175 (1907.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1852.499993	0.0038	1907.49999	0.0052
-20	1852.499995	0.0027	1907.499991	0.0047
-10	1852.500001	0.0005	1907.500005	0.0026
0	1852.500004	0.0022	1907.500003	0.0016
10	1852.499991	0.0049	1907.499995	0.0026
20	1852.499991	0.0049	1907.499991	0.0047
30	1852.500002	0.0011	1907.499997	0.0016
40	1852.499995	0.0027	1907.49999	0.0052
50	1852.500005	0.0027	1907.500003	0.0016

**LTE Band 2, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 18650 (1855 MHz)</b>		<b>CH 19150 (1905 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1855.000004	0.0022	1905.000006	0.0031
7.30	1854.999995	0.0027	1904.999999	0.0005
8.30	1854.999994	0.0032	1904.999998	0.001

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 18650 (1855 MHz)</b>		<b>CH 19150 (1905 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1854.99999	0.0054	1904.99999	0.0052
-20	1854.99999	0.0054	1904.999995	0.0026
-10	1854.999998	0.0011	1905.000002	0.001
0	1854.999996	0.0022	1904.999998	0.001
10	1855.000002	0.0011	1905.000002	0.001
20	1855.000005	0.0027	1905.000001	0.0005
30	1854.999997	0.0016	1905	0
40	1855.000001	0.0005	1905.000003	0.0016
50	1854.999993	0.0038	1904.999996	0.0021

### LTE Band 2, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18675 (1857.5 MHz)		CH 19125 (1902.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1857.499997	0.0016	1902.499996	0.0021
7.30	1857.499991	0.0048	1902.499999	0.0053
8.30	1857.5	0	1902.500002	0.0011

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18675 (1857.5 MHz)		CH 19125 (1902.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1857.5	0	1902.499996	0.0021
-20	1857.499995	0.0027	1902.499993	0.0037
-10	1857.499995	0.0027	1902.499993	0.0037
0	1857.500006	0.0032	1902.500001	0.0053
10	1857.499991	0.0048	1902.499992	0.0042
20	1857.500008	0.0043	1902.500006	0.0032
30	1857.499995	0.0027	1902.499993	0.0037
40	1857.499993	0.0038	1902.499994	0.0032
50	1857.500008	0.0043	1902.500007	0.0037

### LTE Band 2, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18700 (1860 MHz)		CH 19100 (1900 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1859.999992	0.0043	1899.999993	0.0037
7.30	1859.999992	0.0043	1899.999994	0.0032
8.30	1859.999991	0.0048	1899.999993	0.0037

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18700 (1860 MHz)		CH 19100 (1900 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1860.000006	0.0032	1900.000004	0.0021
-20	1860	0	1900.000002	0.0011
-10	1859.999996	0.0022	1899.999998	0.0011
0	1859.999995	0.0027	1899.999997	0.0016
10	1859.999991	0.0048	1899.999992	0.0042
20	1859.999991	0.0048	1899.999992	0.0042
30	1860.000003	0.0016	1900.000001	0.0005
40	1859.999995	0.0027	1899.999994	0.0032
50	1859.999996	0.0022	1899.999996	0.0021

7.8.2 LTE Band 4

**LTE Band 4, Channel Bandwidth: 1.4 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 19957 (1710.7 MHz)</b>		<b>CH 20393 (1754.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1710.700007	0.0041	1754.300003	0.0017
7.30	1710.699996	0.0023	1754.299994	0.0034
8.30	1710.7	0	1754.300005	0.0029

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 19957 (1710.7 MHz)</b>		<b>CH 20393 (1754.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1710.700007	0.0041	1754.300006	0.0034
-20	1710.699999	0.0006	1754.299995	0.0029
-10	1710.699994	0.0035	1754.299995	0.0029
0	1710.700005	0.0029	1754.300005	0.0029
10	1710.699993	0.0041	1754.299996	0.0023
20	1710.69999	0.0058	1754.299994	0.0034
30	1710.700009	0.0053	1754.300005	0.0029
40	1710.699998	0.0012	1754.300002	0.0011
50	1710.700008	0.0047	1754.300005	0.0029

**LTE Band 4, Channel Bandwidth: 3 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 19965 (1711.5 MHz)</b>		<b>CH 20385 (1753.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1711.499991	0.0053	1753.49999	0.0057
7.30	1711.500009	0.0053	1753.50001	0.0057
8.30	1711.5	0	1753.499997	0.0017

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 19965 (1711.5 MHz)</b>		<b>CH 20385 (1753.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1711.500009	0.0053	1753.500007	0.004
-20	1711.499993	0.0041	1753.499998	0.0011
-10	1711.499995	0.0029	1753.499994	0.0034
0	1711.499992	0.0047	1753.499997	0.0017
10	1711.500007	0.0041	1753.500006	0.0034
20	1711.500001	0.0006	1753.500004	0.0023
30	1711.499997	0.0018	1753.499999	0.0006
40	1711.499991	0.0053	1753.499991	0.0051
50	1711.500007	0.0041	1753.500003	0.0017

**LTE Band 4, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 19975 (1712.5 MHz)</b>		<b>CH 20375 (1752.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1712.500007	0.0041	1752.50001	0.0057
7.30	1712.500004	0.0023	1752.499999	0.0006
8.30	1712.50001	0.0058	1752.500009	0.0051

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 19975 (1712.5 MHz)</b>		<b>CH 20375 (1752.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1712.499992	0.0047	1752.49999	0.0057
-20	1712.499999	0.0006	1752.499998	0.0011
-10	1712.500002	0.0012	1752.500006	0.0034
0	1712.500009	0.0053	1752.500007	0.004
10	1712.499997	0.0018	1752.499998	0.0011
20	1712.49999	0.0058	1752.499991	0.0051
30	1712.499994	0.0035	1752.499994	0.0034
40	1712.499993	0.0041	1752.499991	0.0051
50	1712.500003	0.0018	1752.500006	0.0034



**LTE Band 4, Channel Bandwidth: 10 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20000 (1715 MHz)		CH 20350 (1750 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1715.000002	0.0012	1749.999999	0.0006
7.30	1714.999992	0.0047	1749.99999	0.0057
8.30	1714.999993	0.0041	1749.999997	0.0017

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20000 (1715 MHz)		CH 20350 (1750 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1715.000005	0.0029	1750.000009	0.0051
-20	1714.999999	0.0006	1750.000004	0.0023
-10	1714.999999	0.0006	1750.000001	0.0006
0	1715.000006	0.0035	1750.000001	0.0057
10	1715.000004	0.0023	1750.000001	0.0006
20	1715.000005	0.0029	1750.000003	0.0017
30	1714.999991	0.0052	1749.999996	0.0023
40	1715.000005	0.0029	1750.000001	0.0006
50	1715.000009	0.0052	1750.000005	0.0029

**LTE Band 4, Channel Bandwidth: 15 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 20025 (1717.5 MHz)</b>		<b>CH 20325 (1747.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1717.500008	0.0047	1747.500006	0.0034
7.30	1717.499998	0.0012	1747.500002	0.0011
8.30	1717.499997	0.0017	1747.499998	0.0011

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 20025 (1717.5 MHz)</b>		<b>CH 20325 (1747.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1717.500007	0.0041	1747.500007	0.004
-20	1717.500007	0.0041	1747.500008	0.0046
-10	1717.500003	0.0017	1747.499999	0.0006
0	1717.500008	0.0047	1747.500001	0.0057
10	1717.499992	0.0047	1747.499991	0.0052
20	1717.500008	0.0047	1747.500007	0.004
30	1717.5	0	1747.499999	0.0006
40	1717.500003	0.0017	1747.500005	0.0029
50	1717.500001	0.0058	1747.500009	0.0052

### LTE Band 4, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20050 (1720 MHz)		CH 20300 (1745 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1719.999998	0.0012	1744.999999	0.0006
7.30	1720.000006	0.0035	1745.000008	0.0046
8.30	1719.999995	0.0029	1744.999996	0.0023

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20050 (1720 MHz)		CH 20300 (1745 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1720.000008	0.0047	1745.000006	0.0034
-20	1720.000004	0.0023	1745.000005	0.0029
-10	1719.999997	0.0017	1745.000002	0.0011
0	1719.999993	0.0041	1744.999999	0.0057
10	1719.999992	0.0047	1744.999997	0.0017
20	1720.000003	0.0017	1745.000003	0.0017
30	1720.000003	0.0017	1745.000001	0.0006
40	1720	0	1745	0
50	1720.000006	0.0035	1745.000001	0.0057

### 7.8.3 LTE Band 5

#### LTE Band 5, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20407 (824.7 MHz)		CH 20643 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	824.700008	0.0097	848.300004	0.0047
7.30	824.700001	0.0012	848.3	0
8.30	824.699992	0.0097	848.299994	0.0071

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20407 (824.7 MHz)		CH 20643 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	824.700006	0.0073	848.300003	0.0035
-20	824.700005	0.0061	848.300008	0.0094
-10	824.699992	0.0097	848.299999	0.0118
0	824.700004	0.0049	848.300008	0.0094
10	824.700004	0.0049	848.300003	0.0035
20	824.700009	0.0109	848.300008	0.0094
30	824.699997	0.0036	848.300001	0.0012
40	824.700001	0.0012	848.300005	0.0059
50	824.700002	0.0024	848.300004	0.0047

### LTE Band 5, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	825.499994	0.0073	847.499996	0.0047
7.30	825.500008	0.0097	847.500006	0.0071
8.30	825.500009	0.0109	847.500008	0.0094

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20415 (825.5 MHz)		CH 20635 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	825.499995	0.0061	847.499992	0.0094
-20	825.499998	0.0024	847.5	0
-10	825.499991	0.0109	847.499999	0.0118
0	825.499994	0.0073	847.499993	0.0083
10	825.500007	0.0085	847.500009	0.0106
20	825.499996	0.0048	847.499994	0.0071
30	825.500009	0.0109	847.500008	0.0094
40	825.499999	0.0012	847.5	0
50	825.499998	0.0024	847.499993	0.0083

### LTE Band 5, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	826.499994	0.0073	846.499991	0.0106
7.30	826.499993	0.0085	846.499991	0.0106
8.30	826.500004	0.0048	846.500007	0.0083

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20425 (826.5 MHz)		CH 20625 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	826.500009	0.0109	846.50001	0.0118
-20	826.500006	0.0073	846.500009	0.0106
-10	826.499992	0.0097	846.499995	0.0059
0	826.500001	0.0012	846.500004	0.0047
10	826.500004	0.0048	846.500003	0.0035
20	826.499991	0.0109	846.49999	0.0118
30	826.499998	0.0024	846.499996	0.0047
40	826.50001	0.0121	846.500007	0.0083
50	826.500005	0.006	846.500007	0.0083

### LTE Band 5, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20450 (829 MHz)		CH 20600 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	828.999995	0.006	843.999994	0.0071
7.30	829.000003	0.0036	844	0
8.30	829.000002	0.0024	843.999999	0.0012

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20450 (829 MHz)		CH 20600 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	829.000003	0.0036	844.000008	0.0095
-20	829	0	844.000005	0.0059
-10	828.999994	0.0072	843.999999	0.0118
0	828.999999	0.0012	843.999995	0.0059
10	829.000001	0.0012	843.999998	0.0024
20	828.999999	0.0012	844	0
30	829	0	844.000002	0.0024
40	828.999991	0.0109	843.999992	0.0095
50	829.000004	0.0048	844	0

#### 7.8.4 LTE Band 7

#### LTE Band 7, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20775 (2502.5 MHz)		CH 21425 (2567.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	2502.499991	0.0036	2567.499992	0.0031
7.30	2502.500003	0.0012	2567.500001	0.0004
8.30	2502.499993	0.0028	2567.499993	0.0027

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20775 (2502.5 MHz)		CH 21425 (2567.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2502.500003	0.0012	2567.500002	0.0008
-20	2502.499991	0.0036	2567.499996	0.0016
-10	2502.500001	0.004	2567.500001	0.0039
0	2502.500005	0.002	2567.500009	0.0035
10	2502.49999	0.004	2567.499993	0.0027
20	2502.500007	0.0028	2567.500003	0.0012
30	2502.500009	0.0036	2567.500004	0.0016
40	2502.500007	0.0028	2567.500005	0.0019
50	2502.500008	0.0032	2567.500008	0.0031



**LTE Band 7, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 20800 (2505 MHz)</b>		<b>CH 21400 (2565 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	2504.999999	0.0004	2564.999995	0.0019
7.30	2505.000007	0.0028	2565.000005	0.0019
8.30	2504.999992	0.0032	2564.999996	0.0016

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 20800 (2505 MHz)</b>		<b>CH 21400 (2565 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2504.999993	0.0028	2564.999992	0.0031
-20	2504.999991	0.0036	2564.999991	0.0035
-10	2505.000006	0.0024	2565.000004	0.0016
0	2504.999999	0.0004	2565.000001	0.0004
10	2504.999995	0.002	2564.999996	0.0016
20	2504.999995	0.002	2564.999997	0.0012
30	2504.999991	0.0036	2564.999992	0.0031
40	2505.000001	0.004	2565.000007	0.0027
50	2504.999994	0.0024	2564.999995	0.0019

### LTE Band 7, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20825 (2507.5 MHz)		CH 21375 (2562.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	2507.499996	0.0016	2562.499996	0.0016
7.30	2507.500002	0.0008	2562.500002	0.0008
8.30	2507.500005	0.002	2562.500001	0.0004

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20825 (2507.5 MHz)		CH 21375 (2562.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2507.499992	0.0032	2562.499992	0.0031
-20	2507.500001	0.0004	2562.500003	0.0012
-10	2507.499994	0.0024	2562.499997	0.0012
0	2507.499998	0.0008	2562.5	0
10	2507.499996	0.0016	2562.499995	0.002
20	2507.500006	0.0024	2562.500001	0.0039
30	2507.499997	0.0012	2562.499992	0.0031
40	2507.499991	0.0036	2562.499996	0.0016
50	2507.499992	0.0032	2562.499995	0.002

**LTE Band 7, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 20850 (2510 MHz)</b>		<b>CH 21350 (2560 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	2510.000003	0.0012	2560.000006	0.0023
7.30	2509.999998	0.0008	2560.000002	0.0008
8.30	2510.000003	0.0012	2560.000007	0.0027

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 20850 (2510 MHz)</b>		<b>CH 21350 (2560 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2509.99999	0.004	2559.999992	0.0031
-20	2510.000009	0.0036	2560.000009	0.0035
-10	2509.999994	0.0024	2559.99999	0.0039
0	2510.000008	0.0032	2560.000006	0.0023
10	2509.999993	0.0028	2559.999998	0.0008
20	2509.999994	0.0024	2559.999993	0.0027
30	2509.999992	0.0032	2559.999991	0.0035
40	2509.999992	0.0032	2559.999992	0.0031
50	2510.000005	0.002	2560	0

7.8.5 LTE Band 12

**LTE Band 12, Channel Bandwidth: 1.4 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 23017 (699.7 MHz)</b>		<b>CH 23173 (715.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	699.700004	0.0057	715.299999	0.0014
7.30	699.700005	0.0071	715.300008	0.0112
8.30	699.699997	0.0043	715.299993	0.0098

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 23017 (699.7 MHz)</b>		<b>CH 23173 (715.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	699.699991	0.0129	715.299995	0.007
-20	699.699996	0.0057	715.299993	0.0098
-10	699.700003	0.0043	715.299999	0.0014
0	699.700001	0.0014	715.300003	0.0042
10	699.700002	0.0029	715.300005	0.007
20	699.700008	0.0114	715.300005	0.007
30	699.700002	0.0029	715.300003	0.0042
40	699.700006	0.0086	715.300006	0.0084
50	699.699999	0.0014	715.300001	0.0014

### LTE Band 12, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	700.499992	0.0114	714.499992	0.0112
7.30	700.500007	0.01	714.50001	0.014
8.30	700.500001	0.0014	714.499998	0.0028

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23025 (700.5 MHz)		CH 23165 (714.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	700.499997	0.0043	714.499995	0.007
-20	700.499996	0.0057	714.499995	0.007
-10	700.499992	0.0114	714.499997	0.0042
0	700.499992	0.0114	714.499994	0.0084
10	700.500009	0.0128	714.500008	0.0112
20	700.499991	0.0128	714.499993	0.0098
30	700.500002	0.0029	714.5	0
40	700.500009	0.0128	714.50001	0.014
50	700.499995	0.0071	714.499995	0.007

**LTE Band 12, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 23035 (701.5 MHz)</b>		<b>CH 23155 (713.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	701.500007	0.01	713.500003	0.0042
7.30	701.500008	0.0114	713.500009	0.0126
8.30	701.499993	0.01	713.499994	0.0084

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 23035 (701.5 MHz)</b>		<b>CH 23155 (713.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	701.500001	0.0014	713.499997	0.0042
-20	701.500005	0.0071	713.500001	0.0014
-10	701.500006	0.0086	713.500001	0.014
0	701.499998	0.0029	713.500002	0.0028
10	701.499992	0.0114	713.499997	0.0042
20	701.499997	0.0043	713.499995	0.007
30	701.500004	0.0057	713.5	0
40	701.500002	0.0029	713.500002	0.0028
50	701.499998	0.0029	713.499999	0.0014

**LTE Band 12, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 23060 (704 MHz)</b>		<b>CH 23130 (711 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	704.000009	0.0128	711.000006	0.0084
7.30	704.000003	0.0043	711.000002	0.0028
8.30	704.000001	0.0014	710.999996	0.0056

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 23060 (704 MHz)</b>		<b>CH 23130 (711 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	704.000009	0.0128	711.000009	0.0127
-20	704.000001	0.0014	710.999998	0.0028
-10	704.000001	0.0014	711.000002	0.0028
0	704.000006	0.0085	711.000007	0.0098
10	703.999994	0.0085	710.999993	0.0098
20	703.999998	0.0028	710.999997	0.0042
30	703.999999	0.0014	711.000003	0.0042
40	703.999991	0.0128	710.999999	0.0141
50	703.999999	0.0142	710.999995	0.007

7.8.6 LTE Band 13

**LTE Band 13, Channel Bandwidth: 5 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	779.499996	0.0051	784.499995	0.0064
7.30	779.499999	0.0013	784.499997	0.0038
8.30	779.500005	0.0064	784.5	0

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23205 (779.5 MHz)		CH 23255 (784.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	779.500008	0.0103	784.500009	0.0115
-20	779.499995	0.0064	784.499993	0.0089
-10	779.500004	0.0051	784.500001	0.0013
0	779.499996	0.0051	784.499994	0.0076
10	779.499995	0.0064	784.499999	0.0013
20	779.499994	0.0077	784.499996	0.0051
30	779.500003	0.0038	784.5	0
40	779.499997	0.0038	784.499998	0.0025
50	779.499993	0.009	784.499993	0.0089



**LTE Band 13, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>		
<b>Voltage (Vdc)</b>	<b>CH 23230 (782 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	781.999992	0.0102
7.30	782.000002	0.0026
8.30	782.000009	0.0115

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>		
<b>Temperature (°C)</b>	<b>CH 23230 (782 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	781.999999	0.0013
-20	782.000009	0.0115
-10	781.999993	0.009
0	781.999991	0.0115
10	781.999998	0.0026
20	781.999991	0.0115
30	782	0
40	781.999994	0.0077
50	781.999998	0.0026

7.8.7 LTE Band 14

**LTE Band 14, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 23305 (790.5 MHz)</b>		<b>CH 23355 (795.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	790.5	0	795.499999	0.0013
7.30	790.500003	0.0038	795.500008	0.0101
8.30	790.499995	0.0063	795.499994	0.0075

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 23305 (790.5 MHz)</b>		<b>CH 23355 (795.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	790.499999	0.0013	795.5	0
-20	790.499992	0.0101	795.499997	0.0038
-10	790.500001	0.0013	795.500002	0.0025
0	790.499994	0.0076	795.499992	0.0101
10	790.500004	0.0051	795.500008	0.0101
20	790.500003	0.0038	795.500001	0.0013
30	790.499993	0.0089	795.49999	0.0126
40	790.499993	0.0089	795.49999	0.0126
50	790.500009	0.0114	795.500005	0.0063

**LTE Band 14, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>		
<b>Voltage (Vdc)</b>	<b>CH 23330 (793 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	792.999994	0.0076
7.30	793.000001	0.0013
8.30	792.999991	0.0113

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>		
<b>Temperature (°C)</b>	<b>CH 23330 (793 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	792.999991	0.0113
-20	792.999997	0.0038
-10	792.999993	0.0088
0	792.999994	0.0076
10	792.999991	0.0113
20	793.000001	0.0013
30	792.999992	0.0101
40	793.000004	0.005
50	793.000003	0.0038

### 7.8.8 LTE Band 17

#### LTE Band 17, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23755 (706.5 MHz)		CH 23825 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	706.499996	0.0057	713.499992	0.0112
7.30	706.499999	0.0014	713.499997	0.0042
8.30	706.499992	0.0113	713.499991	0.0126

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23755 (706.5 MHz)		CH 23825 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	706.500001	0.0014	713.499998	0.0028
-20	706.499995	0.0071	713.5	0
-10	706.500001	0.0142	713.500001	0.014
0	706.500004	0.0057	713.500006	0.0084
10	706.499994	0.0085	713.499995	0.007
20	706.499993	0.0099	713.499994	0.0084
30	706.500001	0.0142	713.500007	0.0098
40	706.500001	0.0142	713.500007	0.0098
50	706.499993	0.0099	713.499998	0.0028

**LTE Band 17, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 23780 (709 MHz)</b>		<b>CH 23800 (711 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	708.999995	0.0071	710.999994	0.0084
7.30	709.000001	0.0014	711.000001	0.0014
8.30	709.000004	0.0056	710.999999	0.0014

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 23780 (709 MHz)</b>		<b>CH 23800 (711 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	708.999991	0.0127	710.999991	0.0127
-20	709	0	711.000002	0.0028
-10	708.999993	0.0099	710.999996	0.0056
0	708.999997	0.0042	710.999998	0.0028
10	708.999995	0.0071	710.999994	0.0084
20	709.000005	0.0071	711.000009	0.0127
30	709.000004	0.0056	711.000002	0.0028
40	708.999994	0.0085	710.999991	0.0127
50	708.999994	0.0085	710.999992	0.0113

7.8.9 LTE Band 25

**LTE Band 25, Channel Bandwidth: 1.4 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26047 (1850.7 MHz)</b>		<b>CH 26683 (1914.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1850.69999	0.0054	1914.299994	0.0031
7.30	1850.69999	0.0054	1914.299991	0.0047
8.30	1850.699992	0.0043	1914.299995	0.0026

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26047 (1850.7 MHz)</b>		<b>CH 26683 (1914.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1850.699993	0.0038	1914.29999	0.0052
-20	1850.699995	0.0027	1914.299991	0.0047
-10	1850.700002	0.0011	1914.299998	0.001
0	1850.700005	0.0027	1914.300004	0.0021
10	1850.699997	0.0016	1914.299993	0.0037
20	1850.7	0	1914.299998	0.001
30	1850.699993	0.0038	1914.299992	0.0042
40	1850.700002	0.0011	1914.3	0
50	1850.699996	0.0022	1914.299991	0.0047

**LTE Band 25, Channel Bandwidth: 3 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26055 (1851.5 MHz)</b>		<b>CH 26675 (1913.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1851.500006	0.0032	1913.500004	0.0021
7.30	1851.500005	0.0027	1913.500001	0.0052
8.30	1851.499995	0.0027	1913.499999	0.0005

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26055 (1851.5 MHz)</b>		<b>CH 26675 (1913.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1851.499994	0.0032	1913.499999	0.0005
-20	1851.499991	0.0049	1913.499991	0.0047
-10	1851.499996	0.0022	1913.499994	0.0031
0	1851.499993	0.0038	1913.499993	0.0037
10	1851.499999	0.0005	1913.500003	0.0016
20	1851.499996	0.0022	1913.499999	0.0005
30	1851.500007	0.0038	1913.500001	0.0052
40	1851.499999	0.0054	1913.499999	0.0052
50	1851.500006	0.0032	1913.500009	0.0047

### LTE Band 25, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1852.50001	0.0054	1912.500007	0.0037
7.30	1852.499992	0.0043	1912.499991	0.0047
8.30	1852.500004	0.0022	1912.499999	0.0005

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26065 (1852.5 MHz)		CH 26665 (1912.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.499999	0.0005	1912.500002	0.001
-20	1852.500004	0.0022	1912.500004	0.0021
-10	1852.499992	0.0043	1912.49999	0.0052
0	1852.499996	0.0022	1912.499993	0.0037
10	1852.499997	0.0016	1912.499993	0.0037
20	1852.500008	0.0043	1912.500004	0.0021
30	1852.500003	0.0016	1912.500007	0.0037
40	1852.500008	0.0043	1912.500005	0.0026
50	1852.499995	0.0027	1912.499993	0.0037



**LTE Band 25, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26090 (1855 MHz)</b>		<b>CH 26640 (1910 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1854.999993	0.0038	1909.999994	0.0031
7.30	1855.000009	0.0049	1910.000007	0.0037
8.30	1854.999993	0.0038	1909.999999	0.0052

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26090 (1855 MHz)</b>		<b>CH 26640 (1910 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1855.000001	0.0005	1909.999997	0.0016
-20	1854.999994	0.0032	1909.999994	0.0031
-10	1855.000003	0.0016	1909.999999	0.0005
0	1854.999997	0.0016	1909.999993	0.0037
10	1855.000007	0.0038	1910.000005	0.0026
20	1855.000006	0.0032	1910.000009	0.0047
30	1854.999996	0.0022	1910	0
40	1854.999995	0.0027	1909.999999	0.0052
50	1854.999992	0.0043	1909.999993	0.0037

**LTE Band 25, Channel Bandwidth: 15 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26115 (1857.5 MHz)		CH 26615 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1857.499992	0.0043	1907.49999	0.0052
7.30	1857.499994	0.0032	1907.499994	0.0031
8.30	1857.5	0	1907.500004	0.0021

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26115 (1857.5 MHz)		CH 26615 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1857.499997	0.0016	1907.5	0
-20	1857.500003	0.0016	1907.500004	0.0021
-10	1857.500006	0.0032	1907.500002	0.001
0	1857.499998	0.0011	1907.500001	0.0005
10	1857.500002	0.0011	1907.500005	0.0026
20	1857.499995	0.0027	1907.499991	0.0047
30	1857.500004	0.0022	1907.500006	0.0031
40	1857.499997	0.0016	1907.499999	0.0005
50	1857.500007	0.0038	1907.500002	0.001

**LTE Band 25, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26140 (1860 MHz)</b>		<b>CH 26590 (1905 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1860.000006	0.0032	1905.000005	0.0026
7.30	1860.000002	0.0011	1905.000003	0.0016
8.30	1860.000001	0.0005	1905.000003	0.0016

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26140 (1860 MHz)</b>		<b>CH 26590 (1905 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1859.999992	0.0043	1904.999995	0.0026
-20	1860.000009	0.0048	1905.000006	0.0031
-10	1859.999994	0.0032	1904.999994	0.0031
0	1860.000002	0.0011	1905.000003	0.0016
10	1859.999999	0.0005	1905.000004	0.0021
20	1859.999995	0.0027	1904.999991	0.0047
30	1860.000006	0.0032	1905.000005	0.0026
40	1860	0	1905.000004	0.0021
50	1859.999993	0.0038	1904.999991	0.0047

## 7.8.10 LTE Band 26 (Part 22)

**LTE Band 26, Channel Bandwidth: 1.4 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26797 (824.7 MHz)</b>		<b>CH 27033 (848.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	824.700002	0.0024	848.300003	0.0035
7.30	824.7	0	848.300005	0.0059
8.30	824.699995	0.0061	848.299991	0.0106

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26797 (824.7 MHz)</b>		<b>CH 27033 (848.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	824.700006	0.0073	848.300006	0.0071
-20	824.7	0	848.300004	0.0047
-10	824.699999	0.0012	848.299999	0.0012
0	824.700006	0.0073	848.300008	0.0094
10	824.699998	0.0024	848.3	0
20	824.699993	0.0085	848.29999	0.0118
30	824.700004	0.0049	848.300007	0.0083
40	824.699992	0.0097	848.299993	0.0083
50	824.69999	0.0121	848.299991	0.0106

**LTE Band 26, Channel Bandwidth: 3 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	825.499991	0.0109	847.49999	0.0118
7.30	825.500008	0.0097	847.500004	0.0047
8.30	825.499996	0.0048	847.499993	0.0083

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	825.500001	0.0012	847.499998	0.0024
-20	825.500003	0.0036	847.500001	0.0012
-10	825.500001	0.0012	847.500003	0.0035
0	825.500002	0.0024	847.500005	0.0059
10	825.499993	0.0085	847.499992	0.0094
20	825.500001	0.0012	847.500002	0.0024
30	825.500006	0.0073	847.500003	0.0035
40	825.499993	0.0085	847.499995	0.0059
50	825.500005	0.0061	847.500004	0.0047

### LTE Band 26, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	826.5	0	846.500004	0.0047
7.30	826.499999	0.0121	846.499993	0.0083
8.30	826.499998	0.0024	846.499996	0.0047

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	826.499997	0.0036	846.499995	0.0059
-20	826.499998	0.0024	846.499994	0.0071
-10	826.499995	0.006	846.499994	0.0071
0	826.500004	0.0048	846.500001	0.0012
10	826.499994	0.0073	846.499994	0.0071
20	826.499996	0.0048	846.499995	0.0059
30	826.499994	0.0073	846.499996	0.0047
40	826.499995	0.006	846.499998	0.0024
50	826.500006	0.0073	846.500006	0.0071

**LTE Band 26, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26840 (829 MHz)</b>		<b>CH 26990 (844 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	828.999995	0.006	843.999996	0.0047
7.30	828.999999	0.0012	843.999997	0.0036
8.30	829.000001	0.0012	844.000003	0.0036

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26840 (829 MHz)</b>		<b>CH 26990 (844 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	828.999998	0.0024	843.999997	0.0036
-20	828.999993	0.0084	843.999999	0.0118
-10	829.000001	0.0012	844.000004	0.0047
0	828.999997	0.0036	843.999999	0.0012
10	828.999997	0.0036	844	0
20	828.999993	0.0084	843.999992	0.0095
30	828.999993	0.0084	843.999994	0.0071
40	828.999997	0.0036	843.999995	0.0059
50	829.000004	0.0048	844.000003	0.0036

**LTE Band 26, Channel Bandwidth: 15 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26865 (831.5 MHz)</b>		<b>CH 26965 (841.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	831.500002	0.0024	841.500004	0.0048
7.30	831.500003	0.0036	841.500007	0.0083
8.30	831.499994	0.0072	841.499991	0.0107

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26865 (831.5 MHz)</b>		<b>CH 26965 (841.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	831.500002	0.0024	841.500004	0.0048
-20	831.500007	0.0084	841.500005	0.0059
-10	831.500008	0.0096	841.500008	0.0095
0	831.500006	0.0072	841.500005	0.0059
10	831.500001	0.0012	841.500005	0.0059
20	831.499991	0.0108	841.499995	0.0059
30	831.499999	0.0012	841.499998	0.0024
40	831.499998	0.0024	841.499997	0.0036
50	831.499999	0.0012	841.499996	0.0048



## 7.8.11 LTE Band 26 (Part 90)

**LTE Band 26, Channel Bandwidth: 1.4 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26697 (814.7 MHz)</b>		<b>CH 26783 (823.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	814.699991	0.011	823.299993	0.0085
7.30	814.699995	0.0061	823.3	0
8.30	814.699996	0.0049	823.299995	0.0061

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26697 (814.7 MHz)</b>		<b>CH 26783 (823.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	814.699998	0.0025	823.299996	0.0049
-20	814.700005	0.0061	823.300003	0.0036
-10	814.700008	0.0098	823.300009	0.0109
0	814.7	0	823.299998	0.0024
10	814.700004	0.0049	823.300004	0.0049
20	814.699996	0.0049	823.299997	0.0036
30	814.700006	0.0074	823.300003	0.0036
40	814.699995	0.0061	823.3	0
50	814.700005	0.0061	823.300003	0.0036

**LTE Band 26, Channel Bandwidth: 3 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26705 (815.5 MHz)</b>		<b>CH 26775 (822.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	815.500004	0.0049	822.500008	0.0097
7.30	815.499994	0.0074	822.499997	0.0036
8.30	815.499994	0.0074	822.499998	0.0024

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26705 (815.5 MHz)</b>		<b>CH 26775 (822.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	815.50001	0.0123	822.50001	0.0122
-20	815.499995	0.0061	822.499992	0.0097
-10	815.499992	0.0098	822.499991	0.0109
0	815.499998	0.0025	822.500001	0.0012
10	815.499995	0.0061	822.499997	0.0036
20	815.500007	0.0086	822.50001	0.0122
30	815.50001	0.0123	822.500005	0.0061
40	815.499996	0.0049	822.499998	0.0024
50	815.500005	0.0061	822.500009	0.0109

**LTE Band 26, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 26715 (816.5 MHz)</b>		<b>CH 26765 (821.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	816.499993	0.0086	821.499997	0.0037
7.30	816.500008	0.0098	821.500006	0.0073
8.30	816.500003	0.0037	821.499998	0.0024

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 26715 (816.5 MHz)</b>		<b>CH 26765 (821.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	816.500008	0.0098	821.50001	0.0122
-20	816.499996	0.0049	821.499996	0.0049
-10	816.5	0	821.5	0
0	816.500001	0.0012	821.499999	0.0012
10	816.499993	0.0086	821.499991	0.011
20	816.500007	0.0086	821.500003	0.0037
30	816.499992	0.0098	821.499991	0.011
40	816.5	0	821.5	0
50	816.499997	0.0037	821.500001	0.0012

**LTE Band 26, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>		
<b>Voltage (Vdc)</b>	<b>CH 26740 (819 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	818.999993	0.0085
7.30	818.999999	0.0122
8.30	818.999999	0.0012

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>		
<b>Temperature (°C)</b>	<b>CH 26740 (819 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	818.999992	0.0098
-20	818.999993	0.0085
-10	819	0
0	818.999991	0.011
10	818.999993	0.0085
20	818.999999	0.0012
30	819.000003	0.0037
40	818.999991	0.011
50	818.999996	0.0049

7.8.12 LTE Band 41

**LTE Band 41, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 39675 (2498.5 MHz)</b>		<b>CH 41565 (2687.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	2498.499991	0.0036	2687.499994	0.0022
7.30	2498.499996	0.0016	2687.499998	0.0007
8.30	2498.500004	0.0016	2687.500002	0.0007

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 39675 (2498.5 MHz)</b>		<b>CH 41565 (2687.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2498.500008	0.0032	2687.500005	0.0019
-20	2498.500009	0.0036	2687.500004	0.0015
-10	2498.500001	0.0004	2687.499996	0.0015
0	2498.499995	0.002	2687.499991	0.0033
10	2498.5	0	2687.499999	0.0004
20	2498.500007	0.0028	2687.500005	0.0019
30	2498.500005	0.002	2687.500006	0.0022
40	2498.500001	0.0004	2687.500004	0.0015
50	2498.499992	0.0032	2687.499991	0.0033

**LTE Band 41, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 39700 (2501 MHz)</b>		<b>CH 41540 (2685 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	2501.000006	0.0024	2685.000007	0.0026
7.30	2501.000005	0.002	2685.000002	0.0007
8.30	2500.999992	0.0032	2684.999994	0.0022

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 39700 (2501 MHz)</b>		<b>CH 41540 (2685 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2501.000004	0.0016	2685.000002	0.0007
-20	2501.000004	0.0016	2685.000007	0.0026
-10	2501.000009	0.0036	2685.000009	0.0034
0	2501.000001	0.0004	2685.000001	0.0004
10	2501.000002	0.0008	2684.999998	0.0007
20	2500.999994	0.0024	2684.999992	0.003
30	2501.000008	0.0032	2685.000005	0.0019
40	2500.999993	0.0028	2684.999992	0.003
50	2500.999999	0.0004	2684.999999	0.0004

**LTE Band 41, Channel Bandwidth: 15 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 39725 (2503.5 MHz)</b>		<b>CH 41515 (2682.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	2503.499997	0.0012	2682.5	0
7.30	2503.499993	0.0028	2682.499998	0.0007
8.30	2503.500004	0.0016	2682.500002	0.0007

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 39725 (2503.5 MHz)</b>		<b>CH 41515 (2682.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	2503.499998	0.0008	2682.500001	0.0004
-20	2503.499997	0.0012	2682.499996	0.0015
-10	2503.500004	0.0016	2682.500005	0.0019
0	2503.499996	0.0016	2682.499996	0.0015
10	2503.499991	0.0036	2682.499995	0.0019
20	2503.500004	0.0016	2682.500009	0.0034
30	2503.5	0	2682.500004	0.0015
40	2503.5	0	2682.500004	0.0015
50	2503.499996	0.0016	2682.499999	0.0004

**LTE Band 41, Channel Bandwidth: 20 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 39750 (2506 MHz)		CH 41490 (2680 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	2505.999996	0.0016	2679.999996	0.0015
7.30	2505.999998	0.0008	2680	0
8.30	2505.999998	0.0008	2680.000002	0.0007

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 39750 (2506 MHz)		CH 41490 (2680 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2506.000001	0.0004	2680.000004	0.0015
-20	2506.000007	0.0028	2680.000001	0.0037
-10	2505.999999	0.004	2679.999999	0.0037
0	2506.000006	0.0024	2680.000008	0.003
10	2505.999991	0.0036	2679.999992	0.003
20	2506.000004	0.0016	2680.000002	0.0007
30	2505.999998	0.0008	2680.000001	0.0004
40	2506.000009	0.0036	2680.000009	0.0034
50	2505.999995	0.002	2679.999993	0.0026



7.8.13 LTE Band 66

**LTE Band 66, Channel Bandwidth: 1.4 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 131979 (1710.7 MHz)</b>		<b>CH 132665 (1779.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1710.699991	0.0053	1779.299991	0.0051
7.30	1710.700003	0.0018	1779.3	0
8.30	1710.699993	0.0041	1779.299992	0.0045

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 131979 (1710.7 MHz)</b>		<b>CH 132665 (1779.3 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1710.699995	0.0029	1779.299993	0.0039
-20	1710.699993	0.0041	1779.299994	0.0034
-10	1710.699994	0.0035	1779.299997	0.0017
0	1710.700005	0.0029	1779.300004	0.0022
10	1710.699993	0.0041	1779.299994	0.0034
20	1710.699998	0.0012	1779.299995	0.0028
30	1710.699999	0.0006	1779.300001	0.0006
40	1710.699997	0.0018	1779.299995	0.0028
50	1710.699992	0.0047	1779.299993	0.0039

**LTE Band 66, Channel Bandwidth: 3 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 131987 (1711.5 MHz)</b>		<b>CH 132657 (1778.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1711.500005	0.0029	1778.5	0
7.30	1711.500001	0.0006	1778.500005	0.0028
8.30	1711.500001	0.0006	1778.500006	0.0034

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 131987 (1711.5 MHz)</b>		<b>CH 132657 (1778.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1711.499997	0.0018	1778.499998	0.0011
-20	1711.499997	0.0018	1778.499995	0.0028
-10	1711.499994	0.0035	1778.499994	0.0034
0	1711.499999	0.0006	1778.500003	0.0017
10	1711.500002	0.0012	1778.500005	0.0028
20	1711.500008	0.0047	1778.500009	0.0051
30	1711.499998	0.0012	1778.499997	0.0017
40	1711.500007	0.0041	1778.500007	0.0039
50	1711.5	0	1778.499996	0.0022

**LTE Band 66, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 131997 (1712.5 MHz)</b>		<b>CH 132647 (1777.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1712.5	0	1777.500003	0.0017
7.30	1712.499998	0.0012	1777.499998	0.0011
8.30	1712.500008	0.0047	1777.500004	0.0023

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 131997 (1712.5 MHz)</b>		<b>CH 132647 (1777.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1712.500007	0.0041	1777.500007	0.0039
-20	1712.499998	0.0012	1777.499997	0.0017
-10	1712.499997	0.0018	1777.499997	0.0017
0	1712.499993	0.0041	1777.499992	0.0045
10	1712.500005	0.0029	1777.500003	0.0017
20	1712.500001	0.0058	1777.500008	0.0045
30	1712.499997	0.0018	1777.499996	0.0023
40	1712.499995	0.0029	1777.499997	0.0017
50	1712.499996	0.0023	1777.5	0

**LTE Band 66, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 132022 (1715 MHz)</b>		<b>CH 132622 (1775 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1715.000002	0.0012	1775.000002	0.0011
7.30	1714.999996	0.0023	1774.999998	0.0011
8.30	1715	0	1774.999998	0.0011

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 132022 (1715 MHz)</b>		<b>CH 132622 (1775 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1715.000002	0.0012	1775.000005	0.0028
-20	1714.999999	0.0006	1774.999998	0.0011
-10	1714.999994	0.0035	1774.999998	0.0011
0	1714.999999	0.0006	1775.000003	0.0017
10	1714.999993	0.0041	1774.999992	0.0045
20	1714.999991	0.0052	1774.99999	0.0056
30	1714.999992	0.0047	1774.999992	0.0045
40	1714.999999	0.0006	1774.999998	0.0011
50	1714.999996	0.0023	1774.999997	0.0017

**LTE Band 66, Channel Bandwidth: 15 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 132047 (1717.5 MHz)		CH 132597 (1772.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	1717.500002	0.0012	1772.499997	0.0017
7.30	1717.499999	0.0006	1772.500003	0.0017
8.30	1717.499991	0.0052	1772.499996	0.0023

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 132047 (1717.5 MHz)		CH 132597 (1772.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1717.499994	0.0035	1772.499991	0.0051
-20	1717.500001	0.0006	1772.500005	0.0028
-10	1717.500009	0.0052	1772.500005	0.0028
0	1717.499997	0.0017	1772.499994	0.0034
10	1717.500006	0.0035	1772.500002	0.0011
20	1717.499999	0.0006	1772.5	0
30	1717.500009	0.0052	1772.500007	0.0039
40	1717.499999	0.0006	1772.499998	0.0011
50	1717.499998	0.0012	1772.499998	0.0011

**LTE Band 66, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 132072 (1720 MHz)</b>		<b>CH 132572 (1770 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	1719.999994	0.0035	1769.99999	0.0056
7.30	1719.999994	0.0035	1769.999997	0.0017
8.30	1719.999991	0.0052	1769.999992	0.0045

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 132072 (1720 MHz)</b>		<b>CH 132572 (1770 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	1719.999998	0.0012	1769.999998	0.0011
-20	1719.999996	0.0023	1769.999999	0.0006
-10	1719.999992	0.0047	1769.999996	0.0023
0	1720.000003	0.0017	1770.000001	0.0006
10	1719.999997	0.0017	1769.999999	0.0006
20	1719.999996	0.0023	1769.999995	0.0028
30	1720.000003	0.0017	1770.000006	0.0034
40	1719.999995	0.0029	1769.999995	0.0028
50	1719.999995	0.0029	1770	0

7.8.14 LTE Band 71

**LTE Band 71, Channel Bandwidth: 5 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 133147 (665.5 MHz)</b>		<b>CH 133447 (695.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	665.5	0	695.500004	0.0058
7.30	665.500008	0.012	695.500008	0.0115
8.30	665.499992	0.012	695.499991	0.0129

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 133147 (665.5 MHz)</b>		<b>CH 133447 (695.5 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	665.499993	0.0105	695.49999	0.0144
-20	665.500005	0.0075	695.500002	0.0029
-10	665.499999	0.0015	695.499997	0.0043
0	665.500004	0.006	695.500005	0.0072
10	665.499991	0.0135	695.499991	0.0129
20	665.500009	0.0135	695.500009	0.0129
30	665.499998	0.003	695.499999	0.0014
40	665.500009	0.0135	695.500006	0.0086
50	665.500003	0.0045	695.500002	0.0029

**LTE Band 71, Channel Bandwidth: 10 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 133172 (668 MHz)</b>		<b>CH 133422 (693 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	668.000002	0.003	692.999998	0.0029
7.30	668.000009	0.0135	693.000009	0.013
8.30	668.000001	0.0015	692.999998	0.0029

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 133172 (668 MHz)</b>		<b>CH 133422 (693 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	668.000002	0.003	693.000004	0.0058
-20	668.000007	0.0105	693.000008	0.0115
-10	667.999995	0.0075	692.999994	0.0087
0	667.999999	0.0015	692.999998	0.0029
10	668	0	693.000004	0.0058
20	667.999991	0.0135	692.999991	0.013
30	667.999991	0.0135	692.999993	0.0101
40	667.999998	0.003	692.999998	0.0029
50	667.999996	0.006	692.999999	0.0014



**LTE Band 71, Channel Bandwidth: 15 MHz**

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 133197 (670.5 MHz)		CH 133397 (690.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
7.05	670.499991	0.0134	690.499995	0.0072
7.30	670.500002	0.003	690.5	0
8.30	670.499996	0.006	690.499998	0.0029

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 133197 (670.5 MHz)		CH 133397 (690.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	670.499995	0.0075	690.499994	0.0087
-20	670.500002	0.003	690.500003	0.0043
-10	670.499994	0.0089	690.499994	0.0087
0	670.500009	0.0134	690.500007	0.0101
10	670.500003	0.0045	690.500007	0.0101
20	670.499999	0.0015	690.500002	0.0029
30	670.499998	0.003	690.500002	0.0029
40	670.499995	0.0075	690.499997	0.0043
50	670.499995	0.0075	690.499994	0.0087

**LTE Band 71, Channel Bandwidth: 20 MHz**

<b>Frequency Stability Versus Voltage</b>				
<b>Voltage (Vdc)</b>	<b>CH 133222 (673 MHz)</b>		<b>CH 133372 (688 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
7.05	672.999997	0.0045	687.999999	0.0015
7.30	672.999992	0.0119	687.999992	0.0116
8.30	672.999994	0.0089	687.999993	0.0102

Note: The applicant defined the normal working voltage is from 7.05 to 8.30 Vdc.

<b>Frequency Stability Versus Temperature</b>				
<b>Temperature (°C)</b>	<b>CH 133222 (673 MHz)</b>		<b>CH 133372 (688 MHz)</b>	
	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>	<b>Frequency (MHz)</b>	<b>Frequency Error (ppm)</b>
-30	673.000001	0.0015	688.000001	0.0015
-20	673.000004	0.0059	687.999999	0.0015
-10	672.999996	0.0059	687.999995	0.0073
0	672.999999	0.0015	688.000001	0.0015
10	672.999992	0.0119	687.999993	0.0102
20	672.999995	0.0074	687.999994	0.0087
30	673.000005	0.0074	688.000009	0.0131
40	673.000004	0.0059	688.000002	0.0029
50	672.999994	0.0089	687.999991	0.0131

## 8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)



## 9 Information of the Testing Laboratories

We, Bureau Veritas Consumer Products Services (H.K.) Ltd., Taoyuan Branch, were founded in 1988 to provide our best service in EMC, Radio, Telecom and Safety consultation. Our laboratories are FCC recognized accredited test firms and accredited according to ISO/IEC 17025.

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The address and road map of all our labs can be found in our web site also.

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