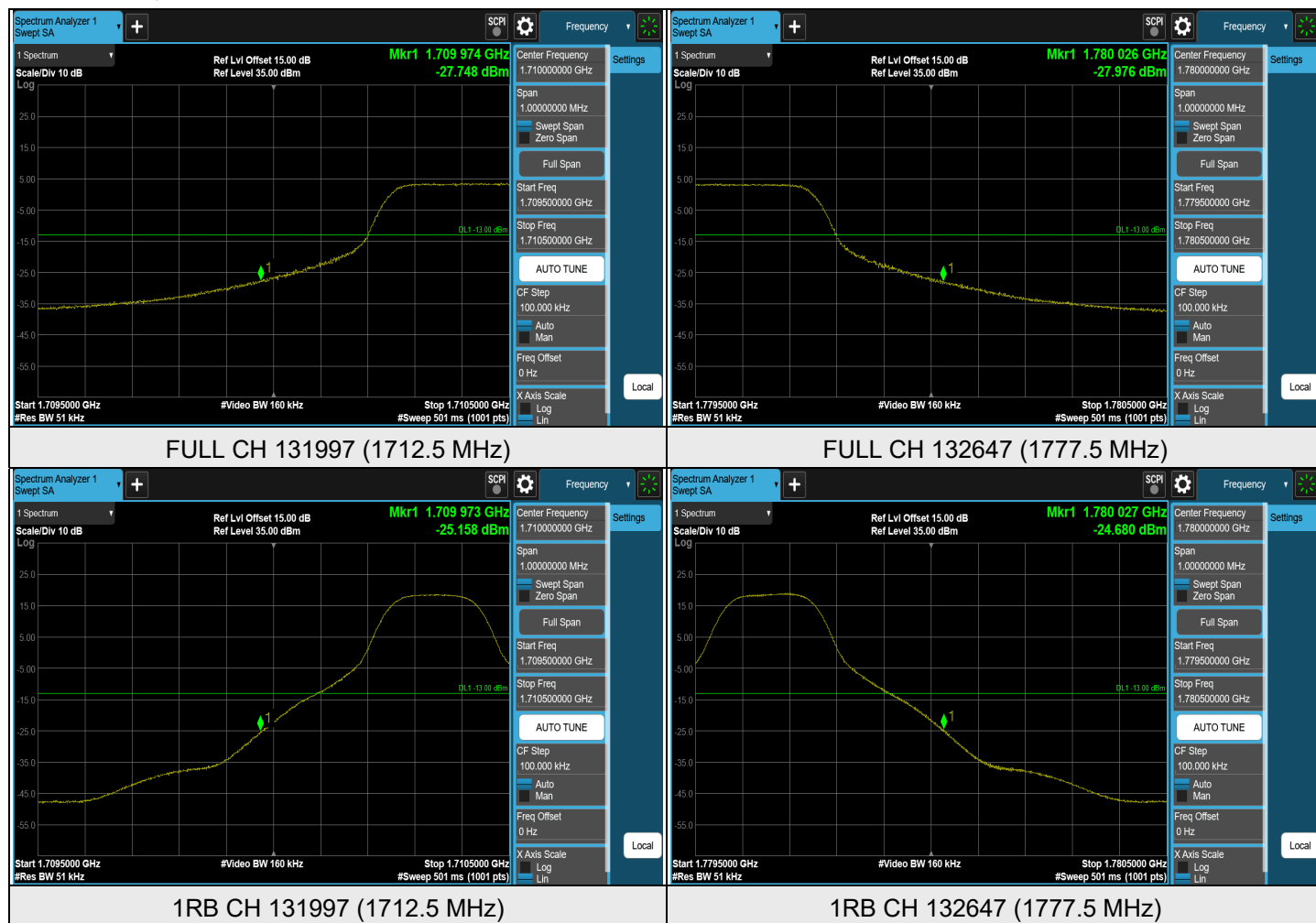
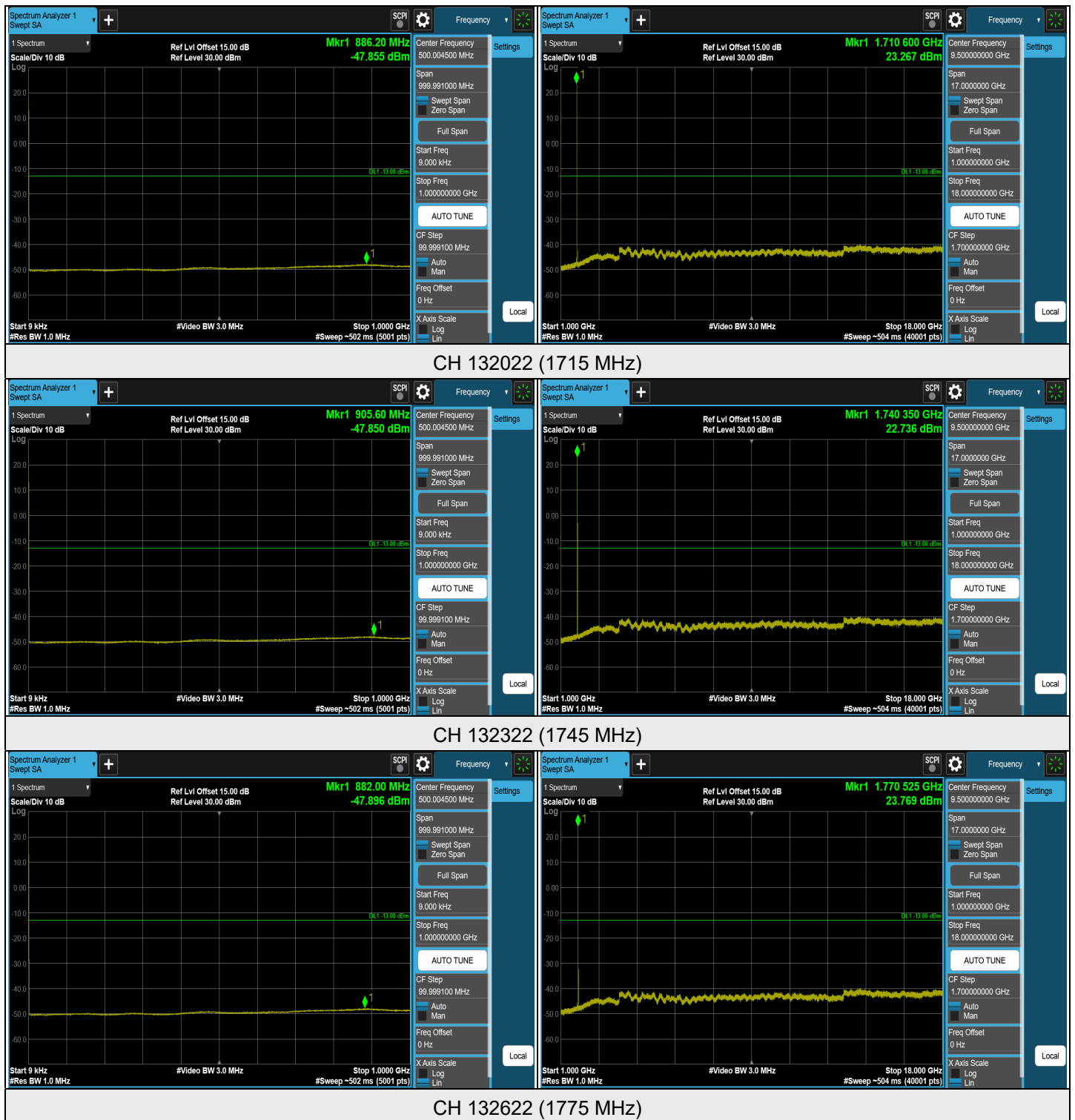


LTE Band 66, Channel Bandwidth: 5 MHz

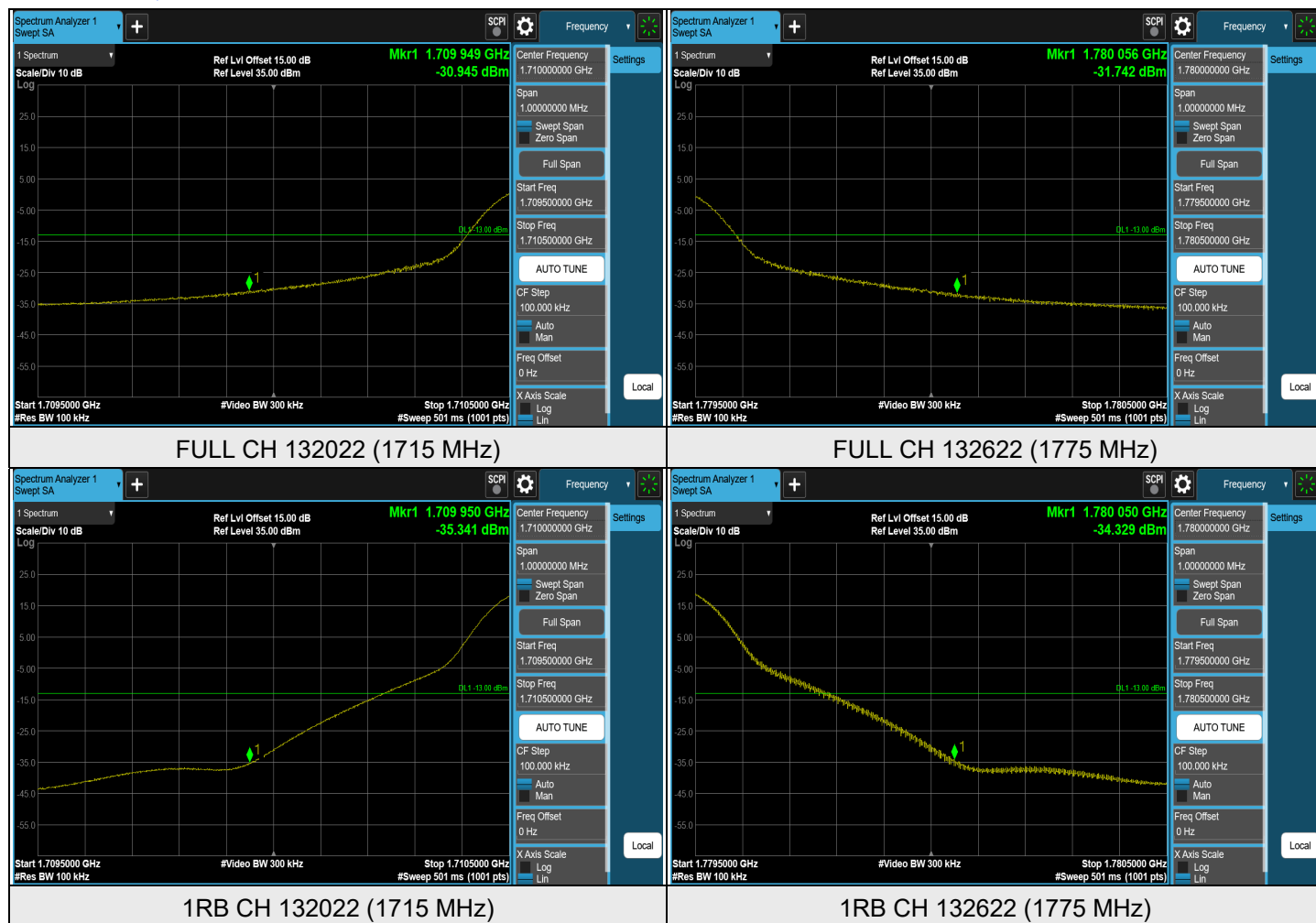


LTE Band 66, Channel Bandwidth: 10 MHz

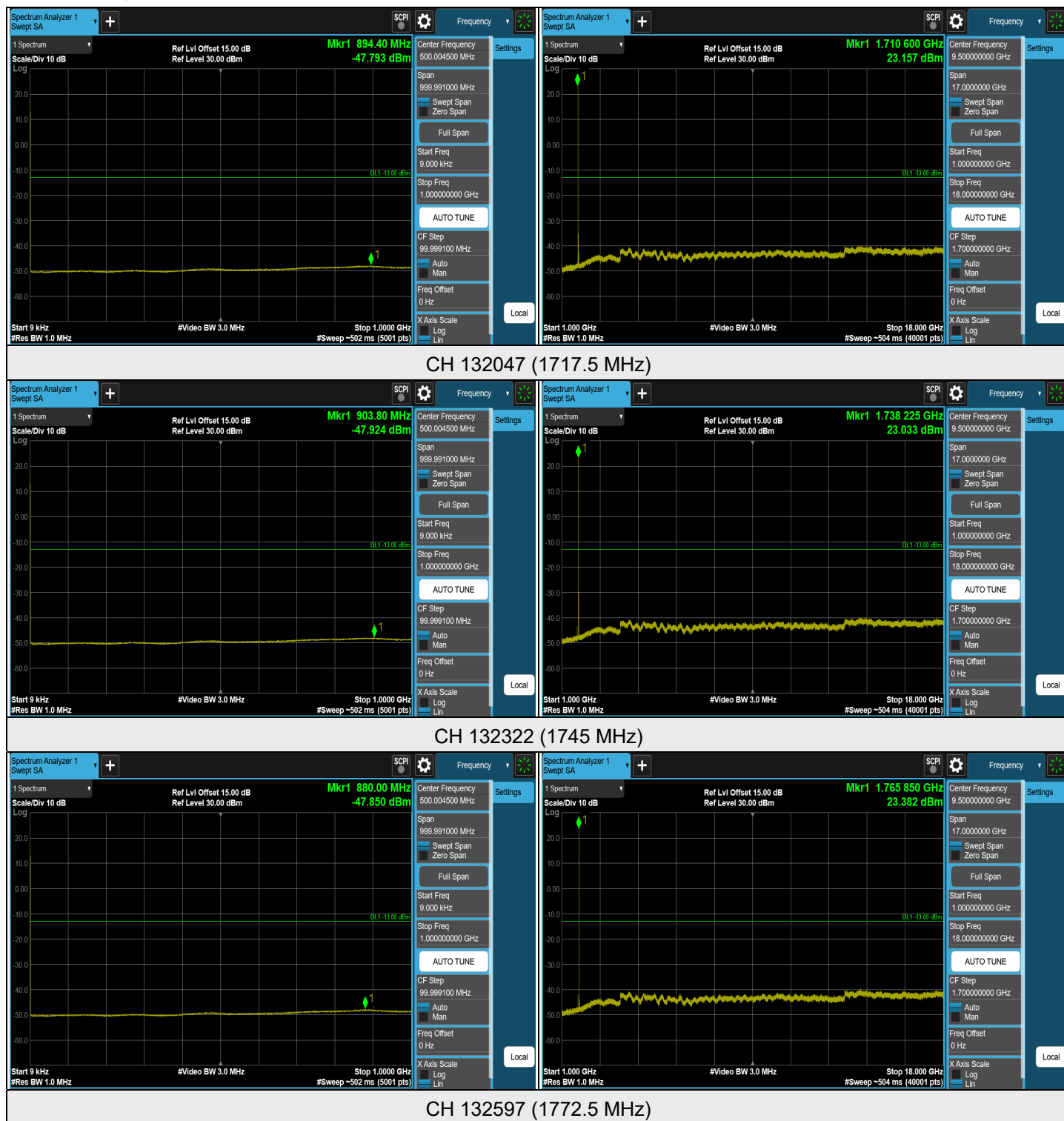


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 66, Channel Bandwidth: 10 MHz

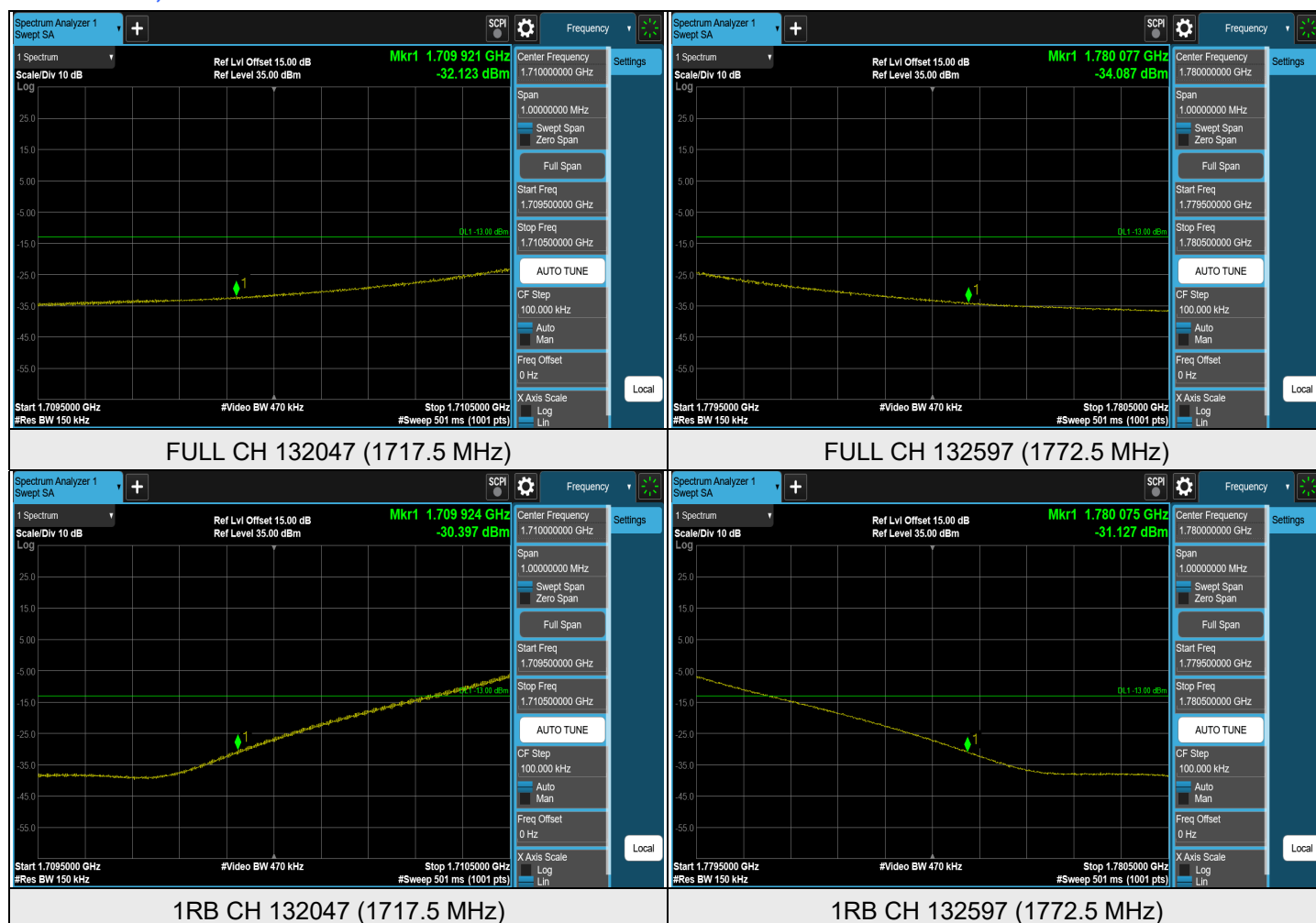


LTE Band 66, Channel Bandwidth: 15 MHz

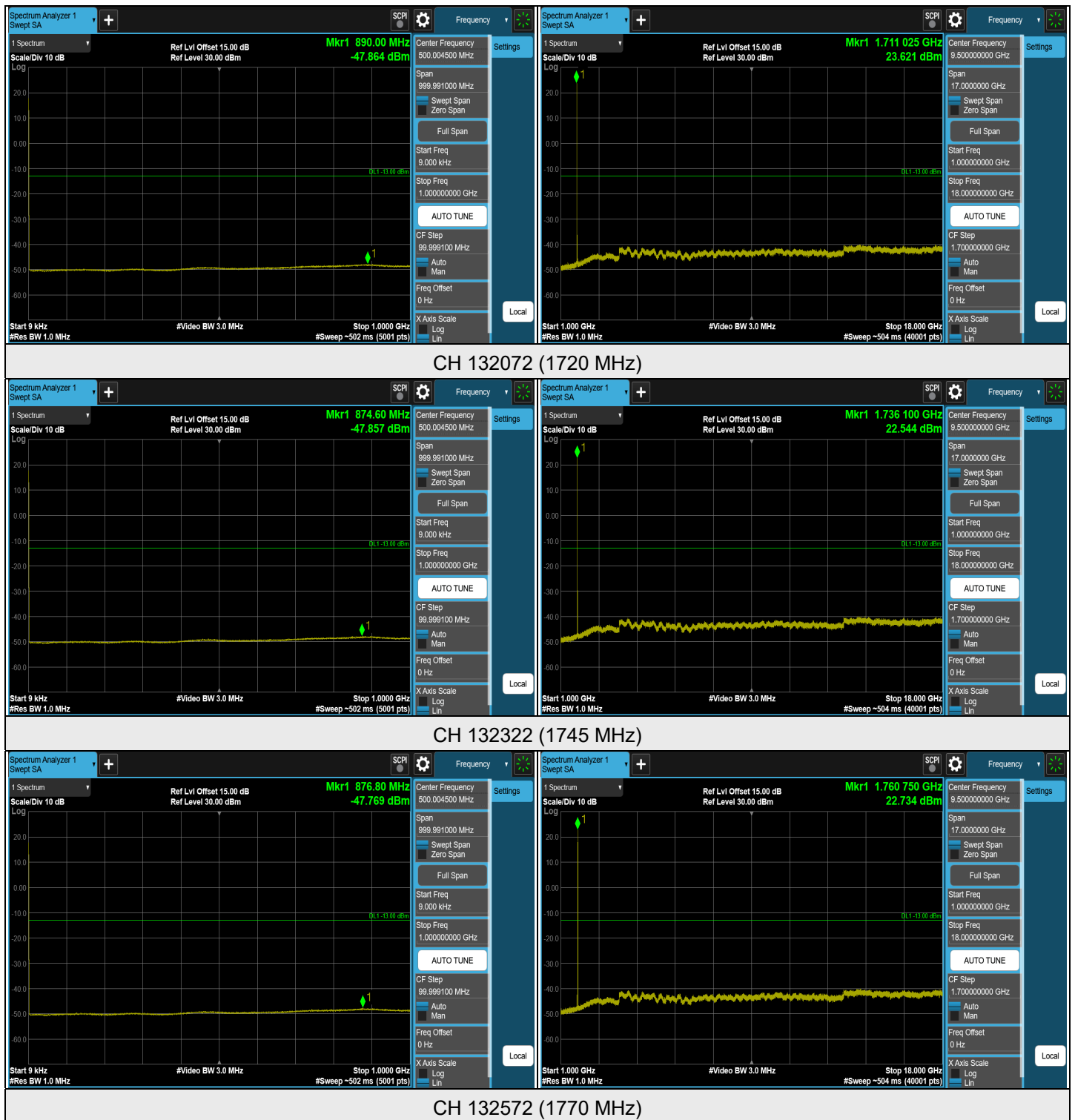


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 66, Channel Bandwidth: 15 MHz

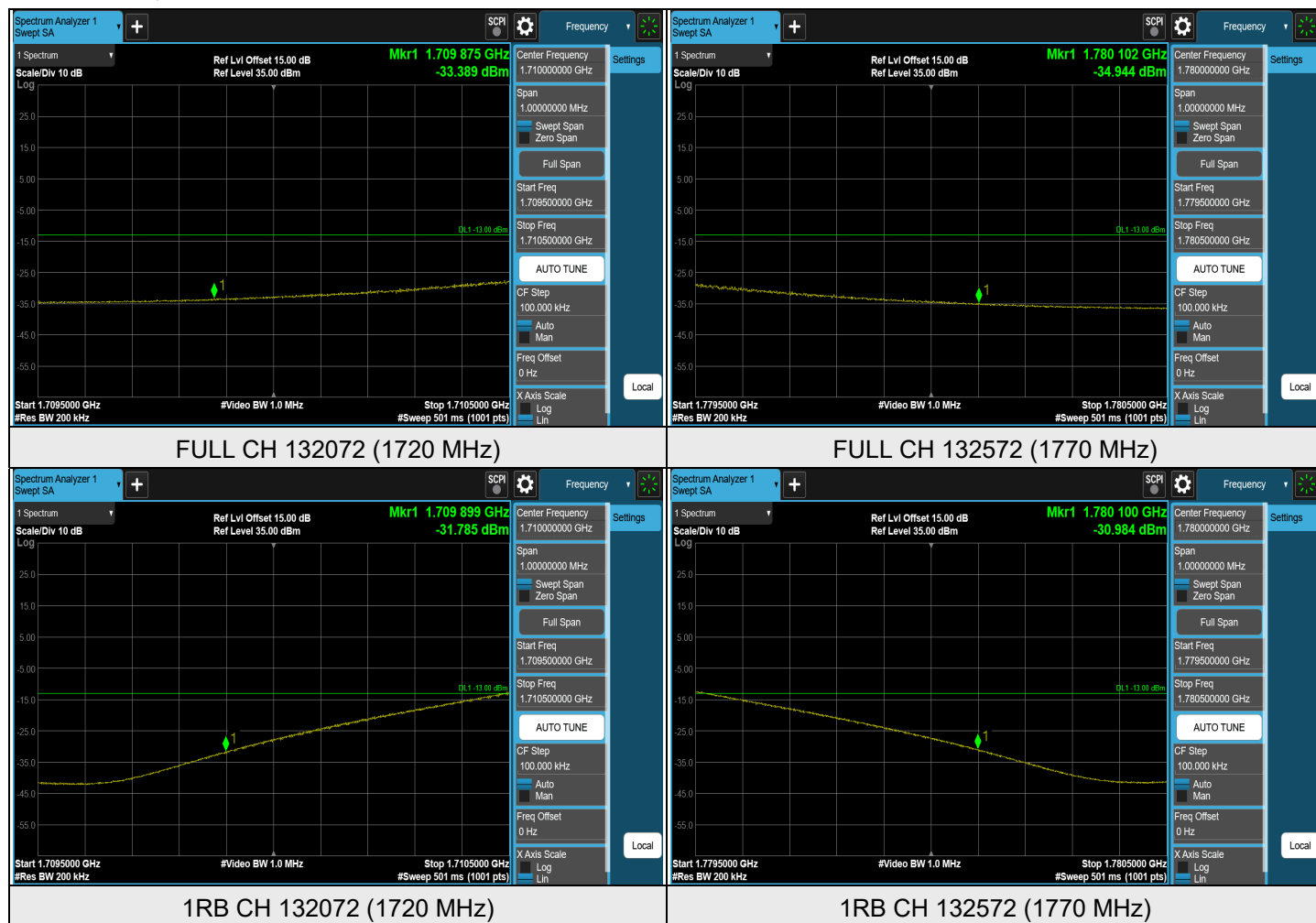


LTE Band 66, Channel Bandwidth: 20 MHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 66, Channel Bandwidth: 20 MHz



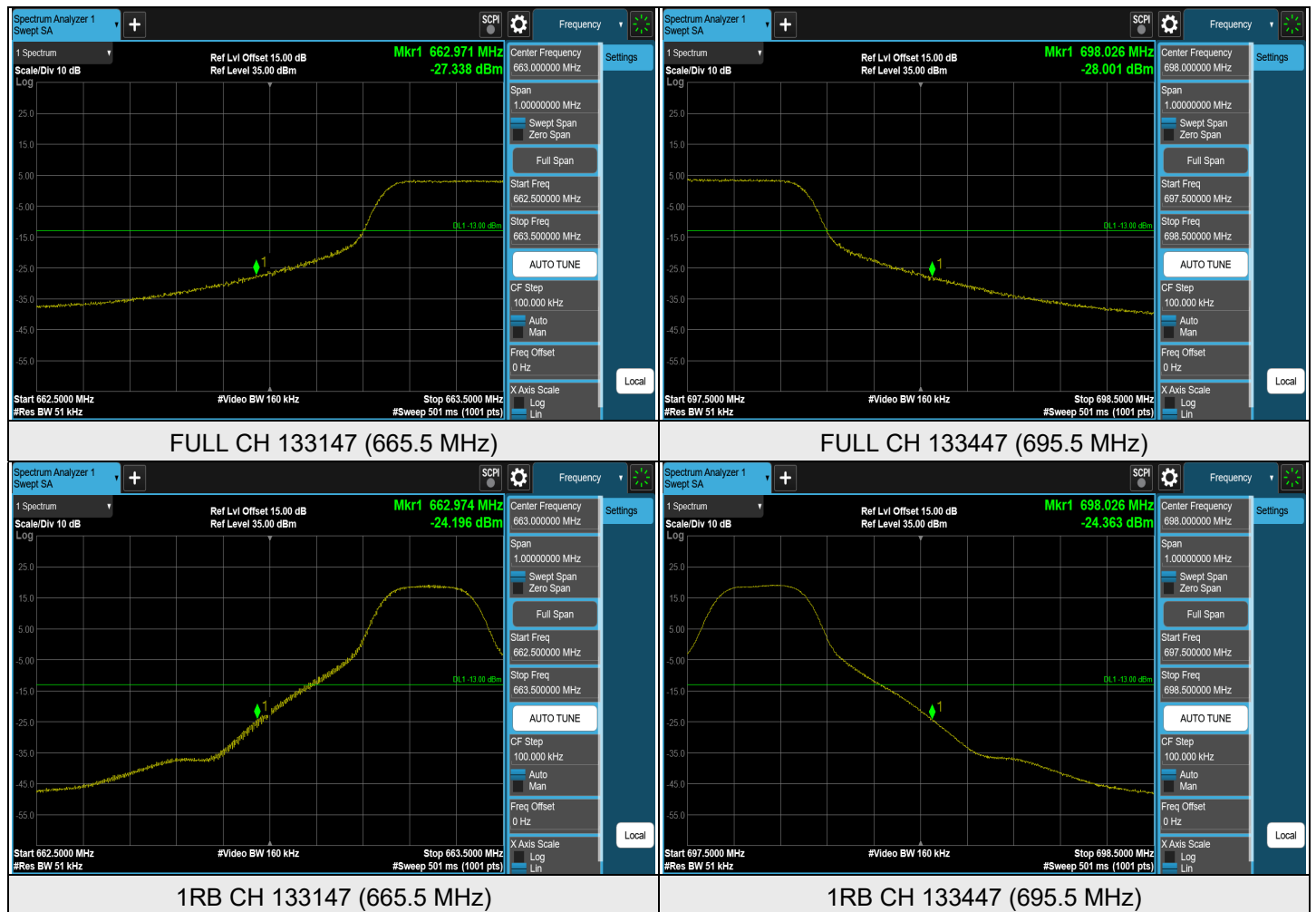
7.5.13 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

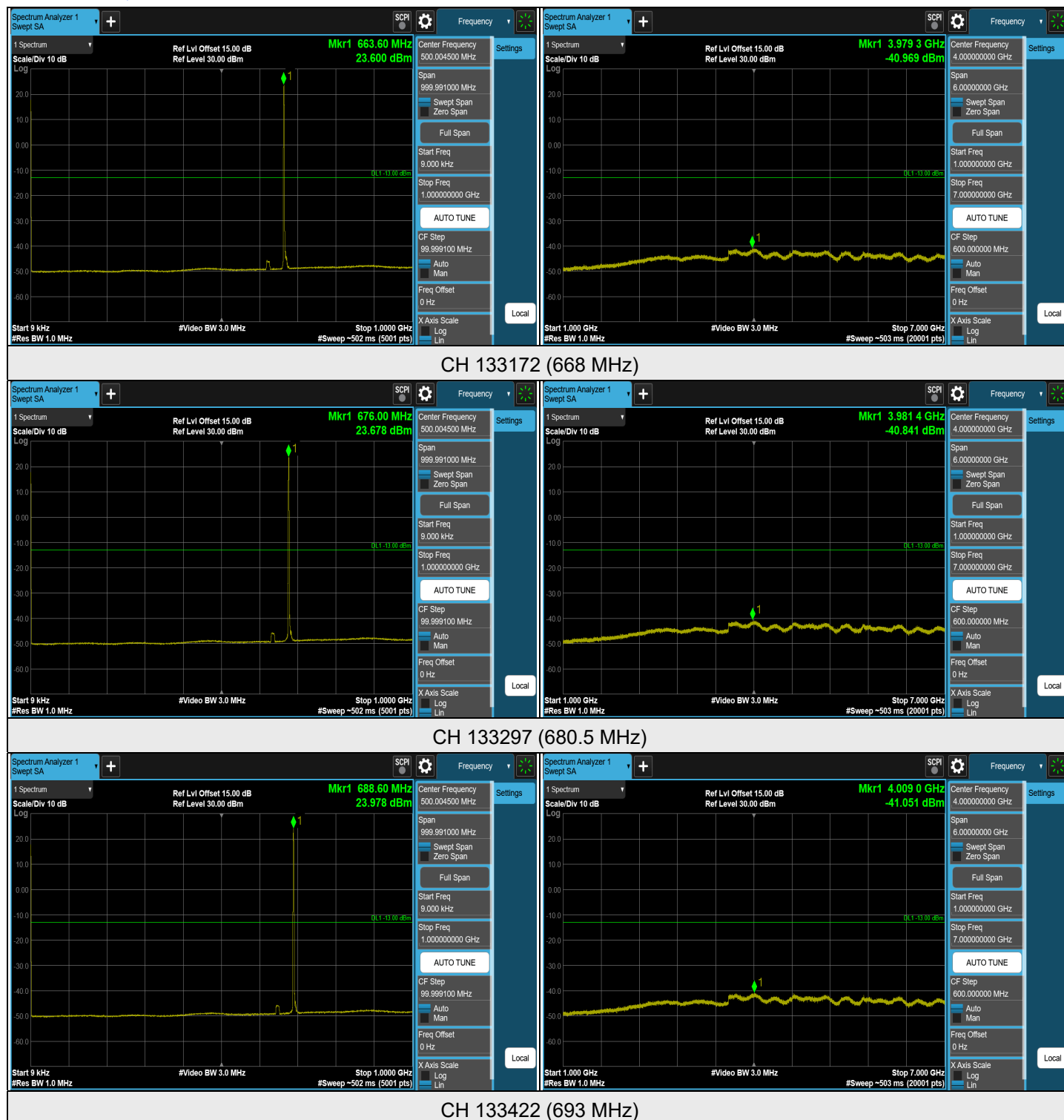


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 71, Channel Bandwidth: 5 MHz

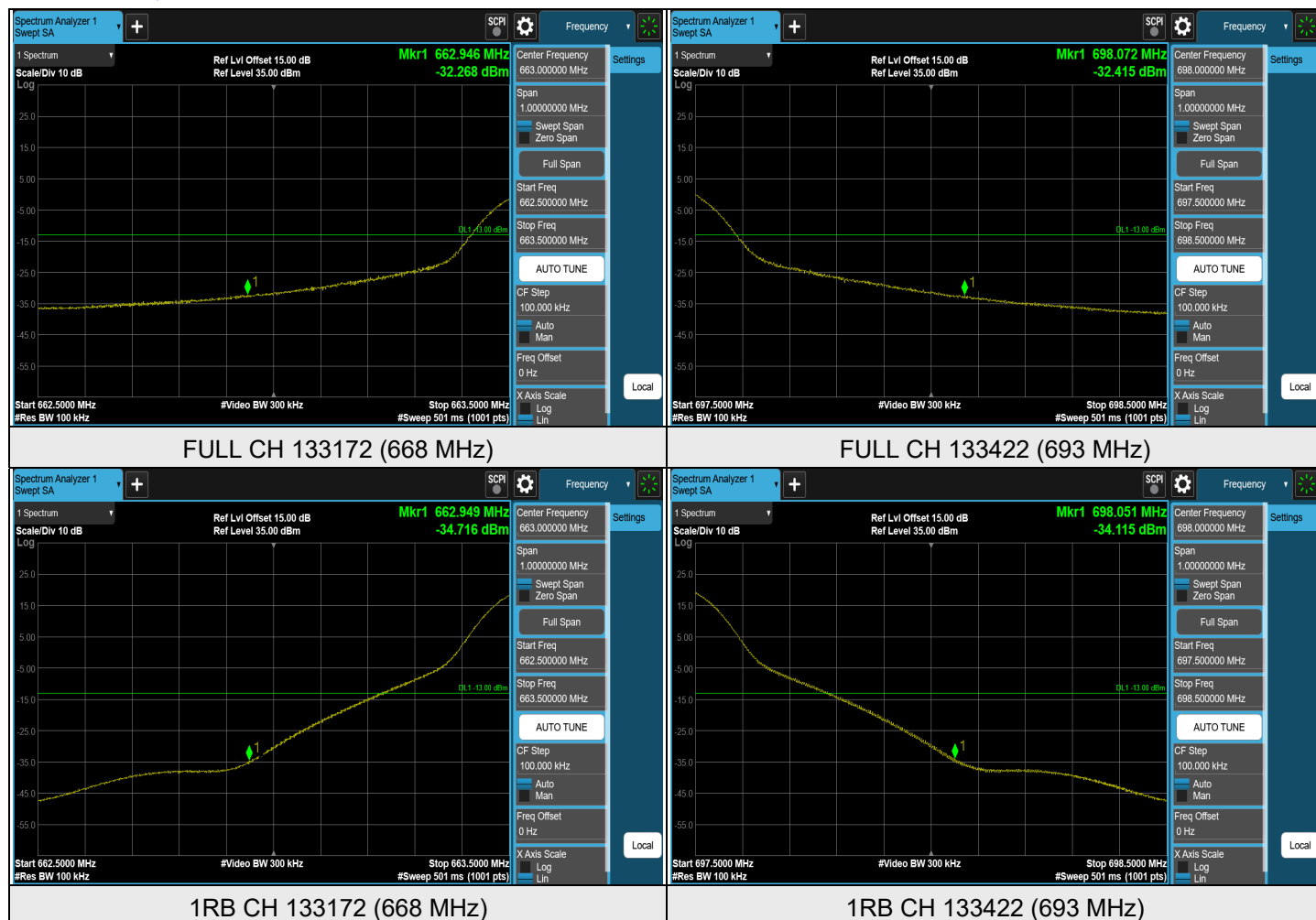


LTE Band 71, Channel Bandwidth: 10 MHz

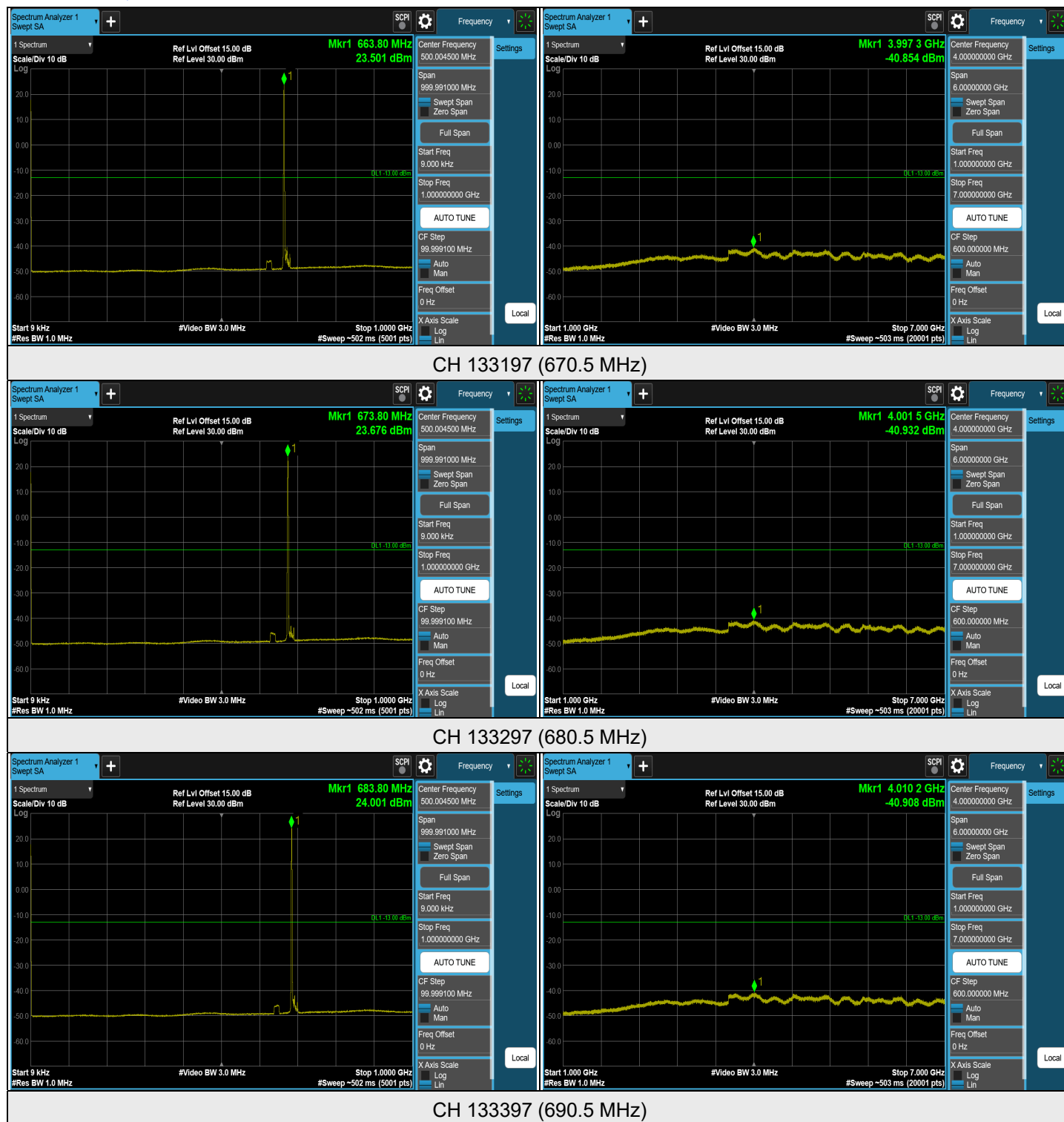


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 71, Channel Bandwidth: 10 MHz

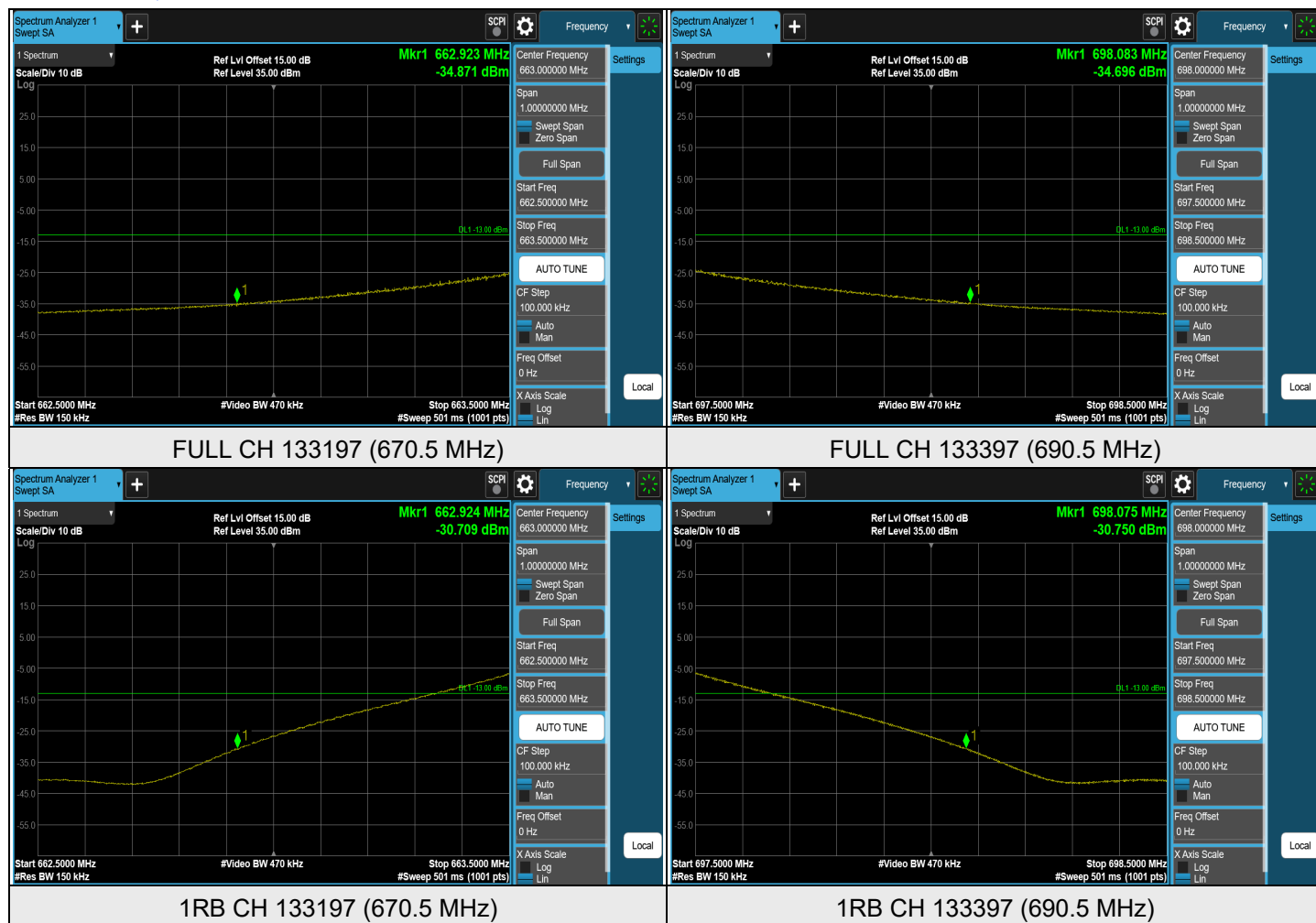


LTE Band 71, Channel Bandwidth: 15 MHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 71, Channel Bandwidth: 15 MHz

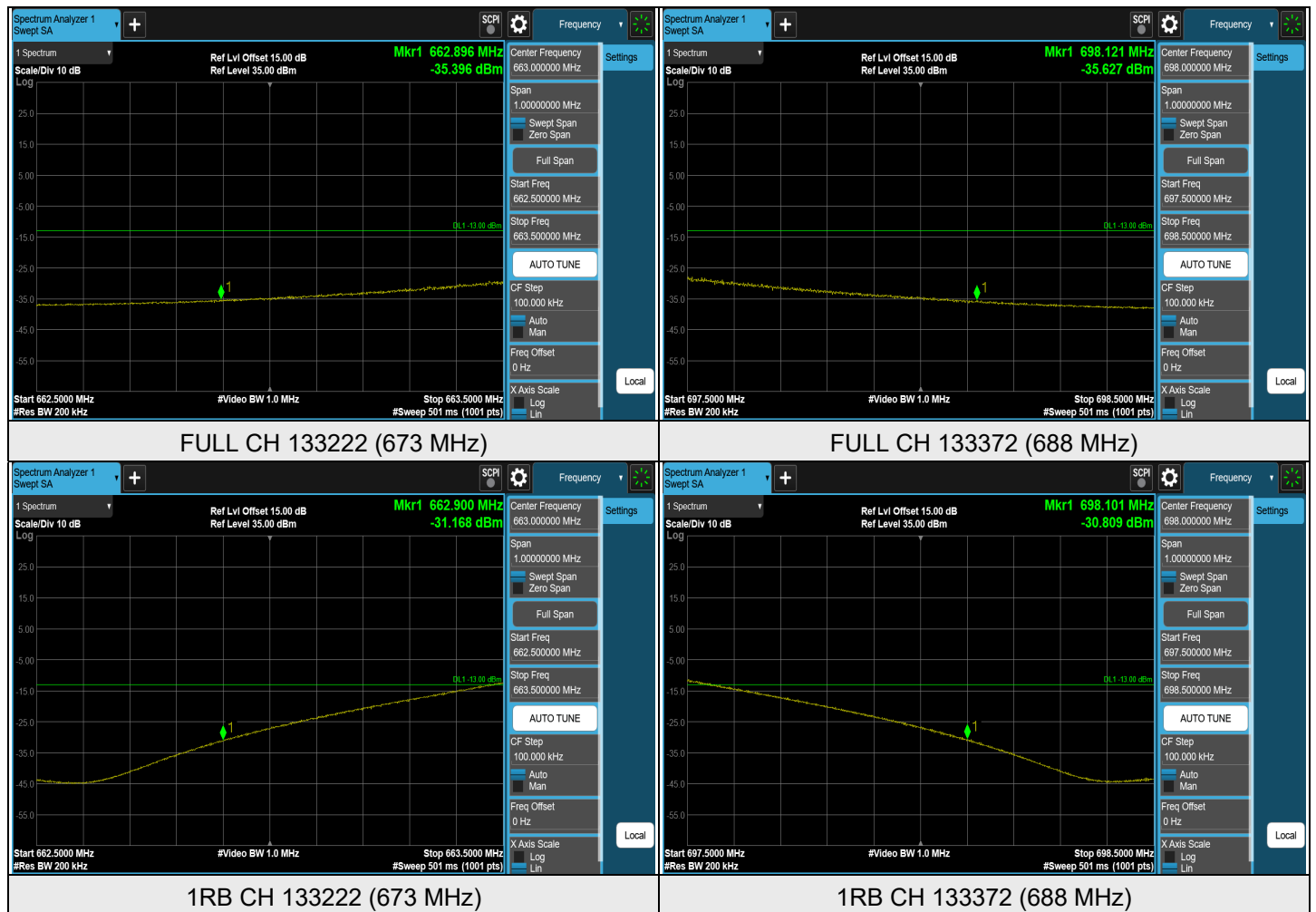


LTE Band 71, Channel Bandwidth: 20 MHz



Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 71, Channel Bandwidth: 20 MHz



7.6 Radiated Spurious Emissions below 1GHz

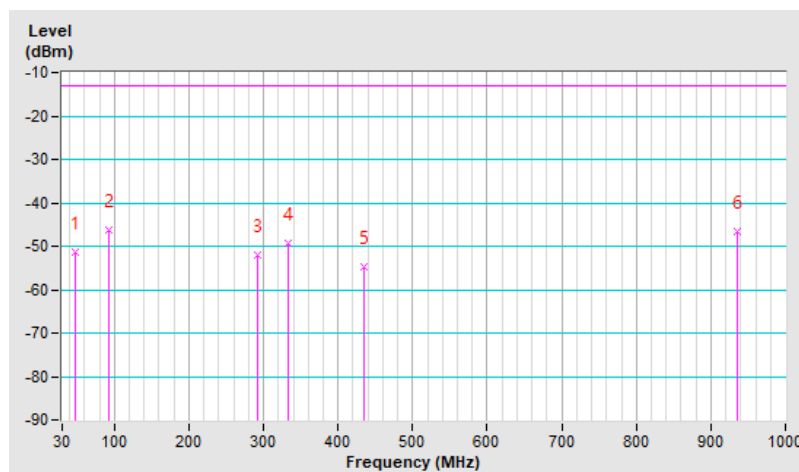
7.6.1 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	Channel	CH 19175 : 1907.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	48.28	-51.31	-13.00	-38.31	1.25 H	291	52.83	-104.14
2	93.26	-46.26	-13.00	-33.26	1.00 H	297	63.22	-109.48
3	292.88	-51.96	-13.00	-38.96	1.50 H	277	50.75	-102.71
4	332.25	-49.39	-13.00	-36.39	1.00 H	279	52.45	-101.84
5	434.87	-54.83	-13.00	-41.83	2.00 H	317	45.07	-99.90
6	935.33	-46.46	-13.00	-33.46	1.25 H	6	43.34	-89.80

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

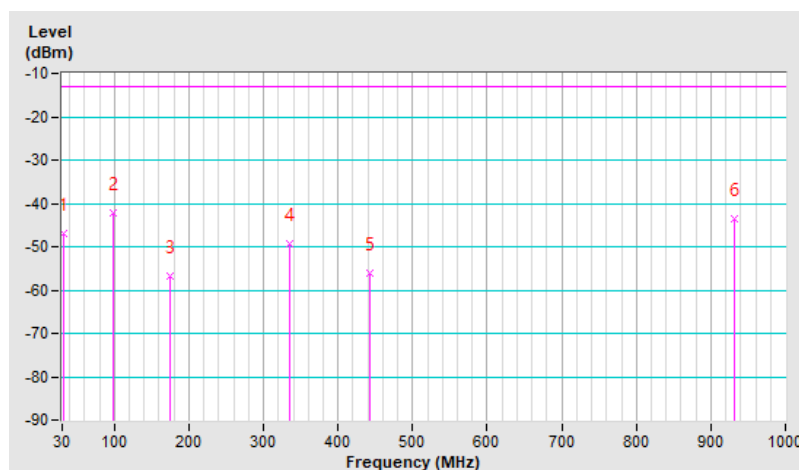


RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	Channel	CH 19175 : 1907.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-46.99	-13.00	-33.99	1.25 V	21	58.81	-105.80
2	97.48	-42.23	-13.00	-29.23	1.00 V	224	66.85	-109.08
3	174.80	-56.86	-13.00	-43.86	1.50 V	95	47.72	-104.58
4	335.06	-49.26	-13.00	-36.26	1.00 V	291	52.57	-101.83
5	441.90	-56.10	-13.00	-43.10	1.00 V	356	43.68	-99.78
6	932.52	-43.42	-13.00	-30.42	1.25 V	13	46.39	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



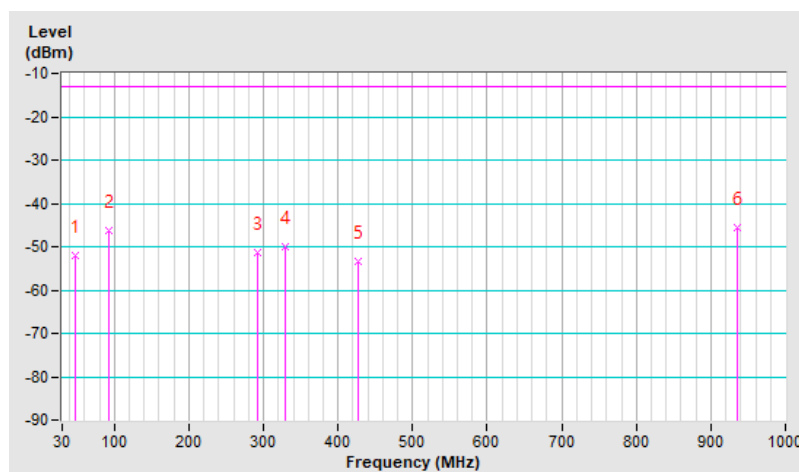
7.6.2 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	48.28	-52.16	-13.00	-39.16	1.00 H	62	51.98	-104.14
2	91.86	-46.33	-13.00	-33.33	1.50 H	293	63.23	-109.56
3	292.88	-51.39	-13.00	-38.39	2.00 H	293	51.32	-102.71
4	329.43	-50.15	-13.00	-37.15	1.25 H	286	51.69	-101.84
5	427.84	-53.48	-13.00	-40.48	1.00 H	172	46.63	-100.11
6	935.33	-45.66	-13.00	-32.66	1.50 H	234	44.14	-89.80

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

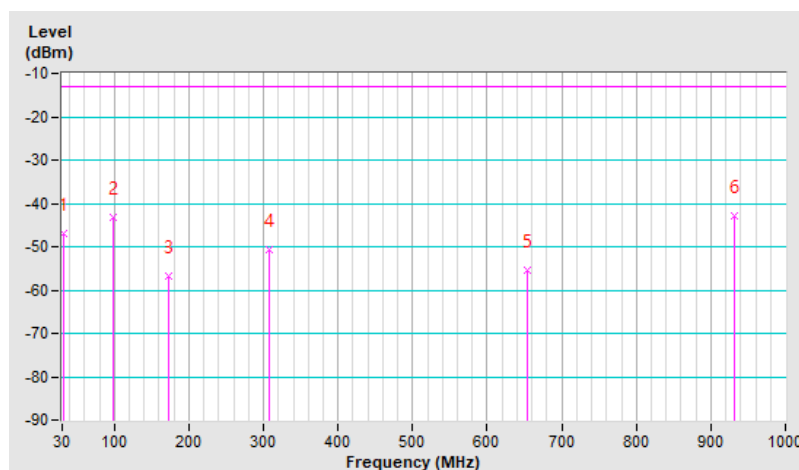


RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-46.96	-13.00	-33.96	1.25 V	99	58.84	-105.80
2	97.48	-43.23	-13.00	-30.23	1.00 V	218	65.85	-109.08
3	171.99	-56.70	-13.00	-43.70	1.50 V	353	47.58	-104.28
4	306.94	-50.74	-13.00	-37.74	1.25 V	276	51.57	-102.31
5	654.17	-55.52	-13.00	-42.52	1.00 V	355	39.90	-95.42
6	932.52	-42.85	-13.00	-29.85	1.25 V	73	46.96	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



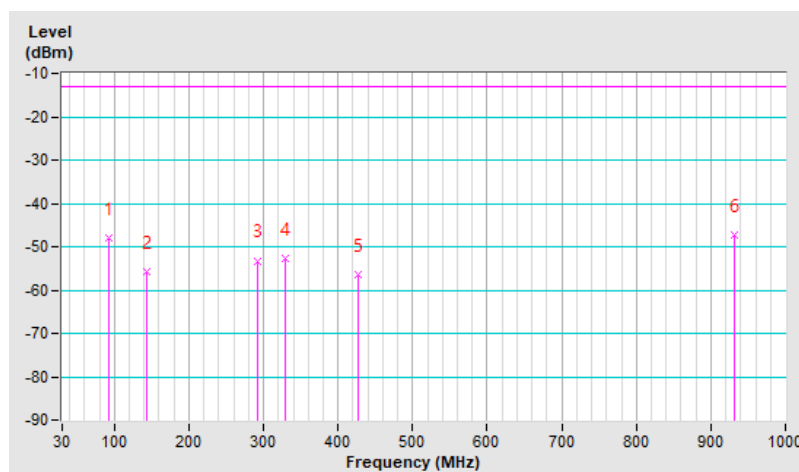
7.6.3 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20407 : 824.7 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	93.26	-48.10	-13.00	-35.10	1.50 H	300	63.53	-111.63
2	143.87	-55.82	-13.00	-42.82	1.25 H	271	50.50	-106.32
3	291.48	-53.22	-13.00	-40.22	1.00 H	296	51.67	-104.89
4	329.43	-52.83	-13.00	-39.83	1.25 H	304	51.16	-103.99
5	426.43	-56.59	-13.00	-43.59	2.00 H	158	45.72	-102.31
6	932.52	-47.31	-13.00	-34.31	1.50 H	31	44.65	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

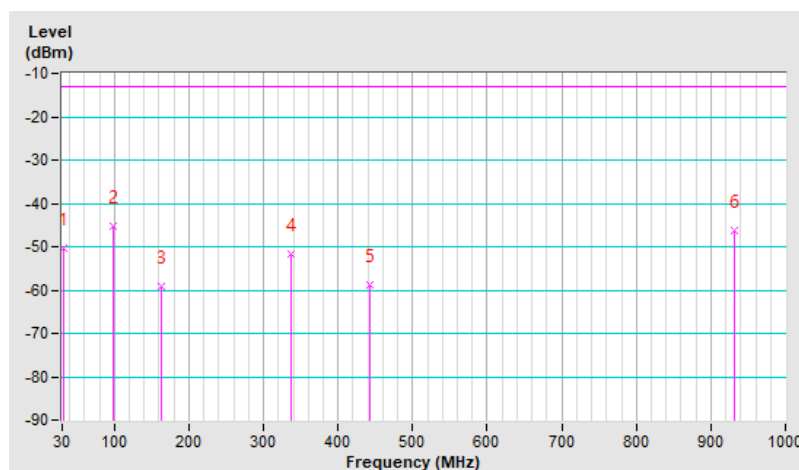


RF Mode	LTE Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20407 : 824.7 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-50.18	-13.00	-37.18	1.00 V	299	57.77	-107.95
2	97.48	-45.28	-13.00	-32.28	1.50 V	223	65.95	-111.23
3	162.14	-59.11	-13.00	-46.11	1.25 V	318	46.84	-105.95
4	336.46	-51.79	-13.00	-38.79	2.00 V	277	52.20	-103.99
5	443.30	-58.72	-13.00	-45.72	1.00 V	321	43.19	-101.91
6	932.52	-46.22	-13.00	-33.22	1.50 V	351	45.74	-91.96

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) + $20\log(D) - 104.8 - 2.15$
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



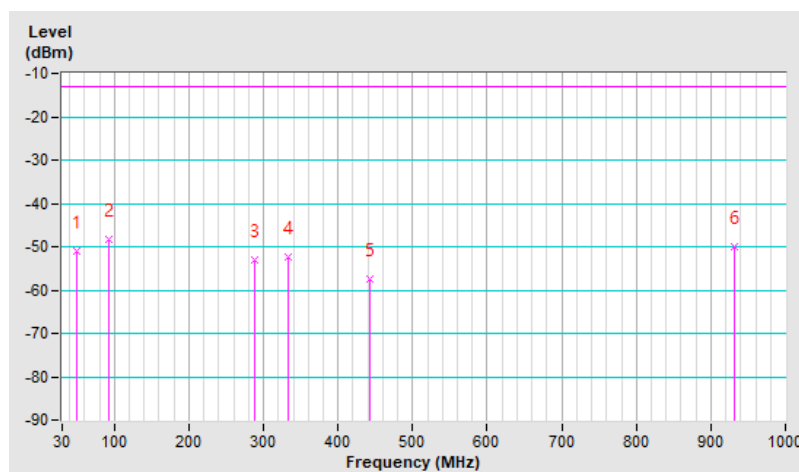
7.6.4 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	49.68	-51.03	-13.00	-38.03	1.25 H	168	55.25	-106.28
2	93.26	-48.43	-13.00	-35.43	1.50 H	303	63.20	-111.63
3	288.67	-53.03	-13.00	-40.03	1.00 H	283	51.92	-104.95
4	333.65	-52.45	-13.00	-39.45	1.00 H	297	51.54	-103.99
5	443.30	-57.31	-13.00	-44.31	1.25 H	322	44.60	-101.91
6	932.52	-50.14	-13.00	-37.14	1.00 H	122	41.82	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

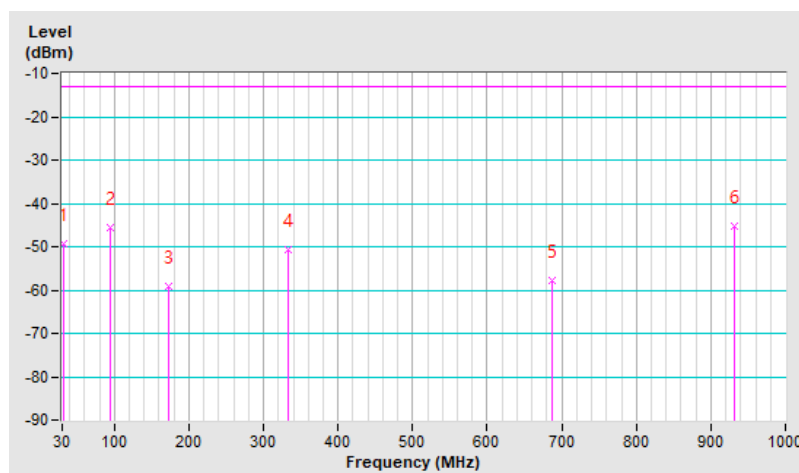


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-49.44	-13.00	-36.44	1.00 V	164	58.51	-107.95
2	94.67	-45.45	-13.00	-32.45	1.50 V	233	66.07	-111.52
3	173.39	-59.24	-13.00	-46.24	1.25 V	250	47.35	-106.59
4	332.25	-50.84	-13.00	-37.84	1.50 V	283	53.15	-103.99
5	687.91	-57.84	-13.00	-44.84	1.00 V	191	39.19	-97.03
6	932.52	-45.29	-13.00	-32.29	1.25 V	104	46.67	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



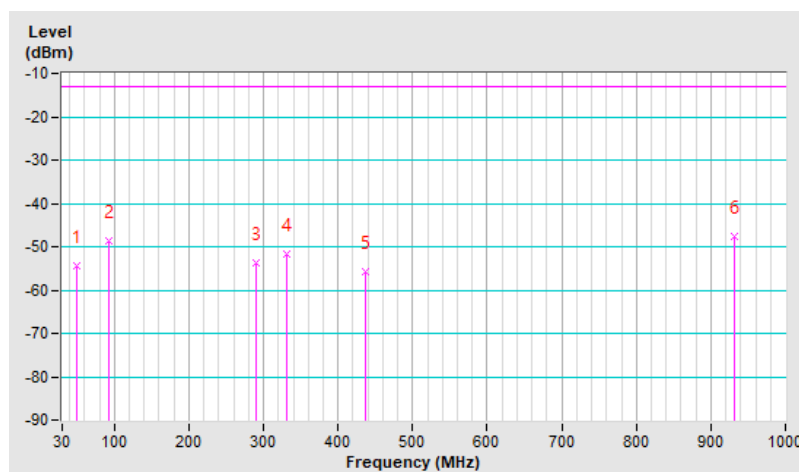
7.6.5 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 5MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	49.68	-54.53	-13.00	-41.53	1.50 H	11	51.75	-106.28
2	93.26	-48.68	-13.00	-35.68	1.25 H	290	62.95	-111.63
3	290.07	-53.67	-13.00	-40.67	1.50 H	304	51.25	-104.92
4	330.84	-51.75	-13.00	-38.75	1.00 H	290	52.24	-103.99
5	436.28	-55.69	-13.00	-42.69	1.00 H	319	46.33	-102.02
6	932.52	-47.65	-13.00	-34.65	1.25 H	6	44.31	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

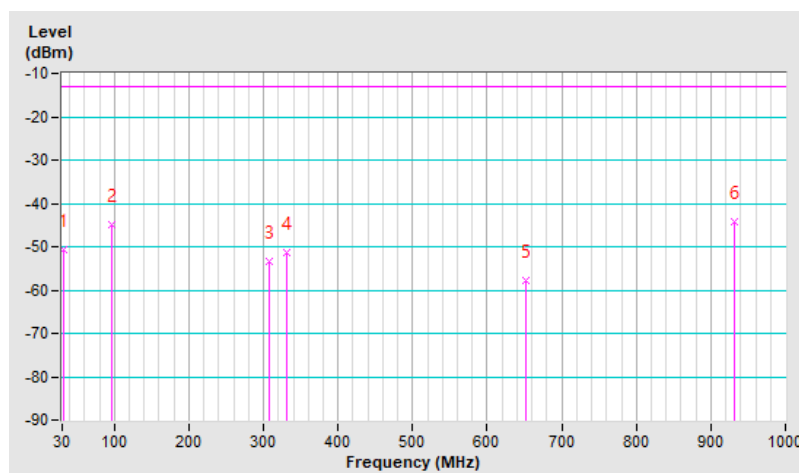


RF Mode	LTE Band 13 Channel Bandwidth: 5MHz	Channel	CH 23230 : 782 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-50.52	-13.00	-37.52	1.50 V	16	57.43	-107.95
2	96.07	-45.07	-13.00	-32.07	1.25 V	249	66.57	-111.64
3	306.94	-53.48	-13.00	-40.48	1.00 V	291	50.98	-104.46
4	330.84	-51.50	-13.00	-38.50	1.50 V	270	52.49	-103.99
5	652.77	-57.64	-13.00	-44.64	1.00 V	260	39.96	-97.60
6	932.52	-44.18	-13.00	-31.18	1.25 V	48	47.78	-91.96

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) + $20\log(D) - 104.8 - 2.15$
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



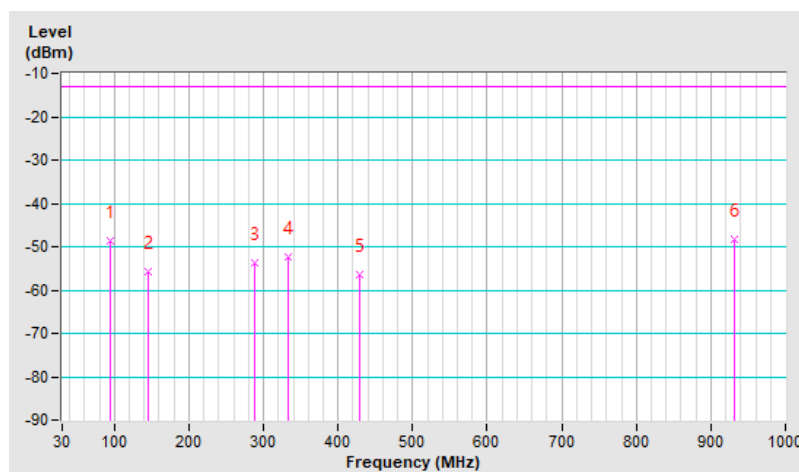
7.6.6 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 5MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	94.67	-48.55	-13.00	-35.55	1.50 H	296	60.82	-109.37
2	145.28	-55.74	-13.00	-42.74	1.00 H	295	48.30	-104.04
3	288.67	-53.61	-13.00	-40.61	1.25 H	289	49.19	-102.80
4	332.25	-52.30	-13.00	-39.30	1.00 H	273	49.54	-101.84
5	429.25	-56.51	-13.00	-43.51	1.25 H	333	43.55	-100.06
6	932.52	-48.40	-13.00	-35.40	1.50 H	285	41.41	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

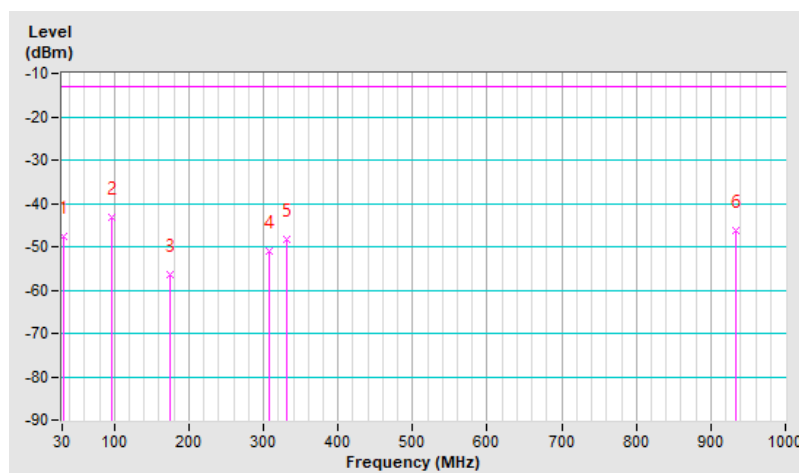


RF Mode	LTE Band 25 Channel Bandwidth: 5MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-47.74	-13.00	-34.74	1.25 V	184	58.06	-105.80
2	96.07	-43.20	-13.00	-30.20	1.50 V	254	66.29	-109.49
3	174.80	-56.60	-13.00	-43.60	1.25 V	230	47.98	-104.58
4	308.35	-50.93	-13.00	-37.93	2.00 V	140	51.34	-102.27
5	330.84	-48.23	-13.00	-35.23	1.00 V	263	53.61	-101.84
6	933.93	-46.19	-13.00	-33.19	1.50 V	300	43.62	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



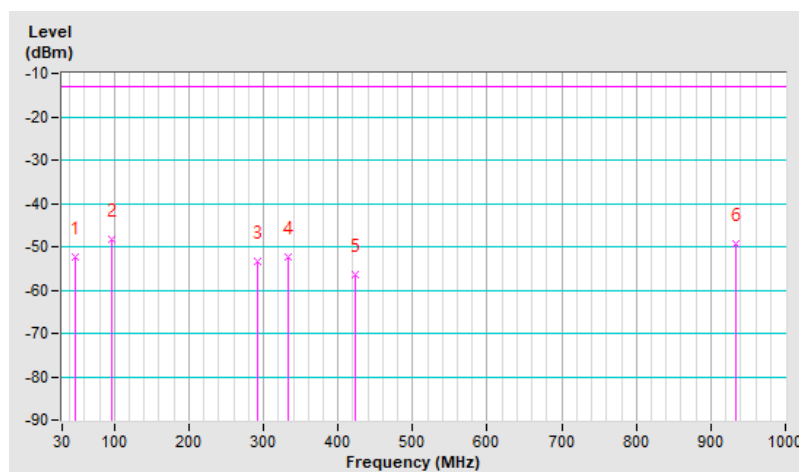
7.6.7 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	Channel	CH 26715 : 816.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	48.28	-52.34	-13.00	-39.34	1.25 H	110	53.95	-106.29
2	96.07	-48.43	-13.00	-35.43	1.50 H	273	63.21	-111.64
3	292.88	-53.28	-13.00	-40.28	2.00 H	279	51.58	-104.86
4	333.65	-52.41	-13.00	-39.41	1.25 H	297	51.58	-103.99
5	423.62	-56.44	-13.00	-43.44	1.00 H	163	45.97	-102.41
6	933.93	-49.23	-13.00	-36.23	1.50 H	82	42.73	-91.96

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

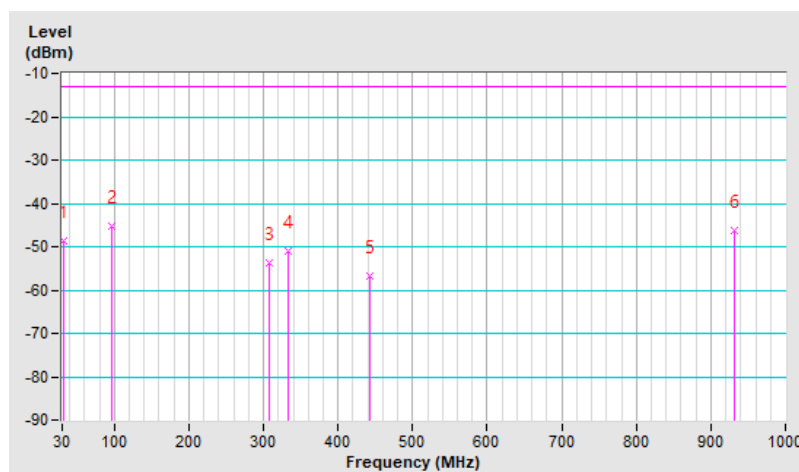


RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	Channel	CH 26715 : 816.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	31.41	-48.73	-13.00	-35.73	1.00 V	139	59.39	-108.12
2	96.07	-45.36	-13.00	-32.36	1.25 V	210	66.28	-111.64
3	306.94	-53.81	-13.00	-40.81	1.50 V	139	50.65	-104.46
4	332.25	-51.05	-13.00	-38.05	1.50 V	287	52.94	-103.99
5	443.30	-56.93	-13.00	-43.93	1.00 V	308	44.98	-101.91
6	932.52	-46.16	-13.00	-33.16	1.25 V	87	45.80	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



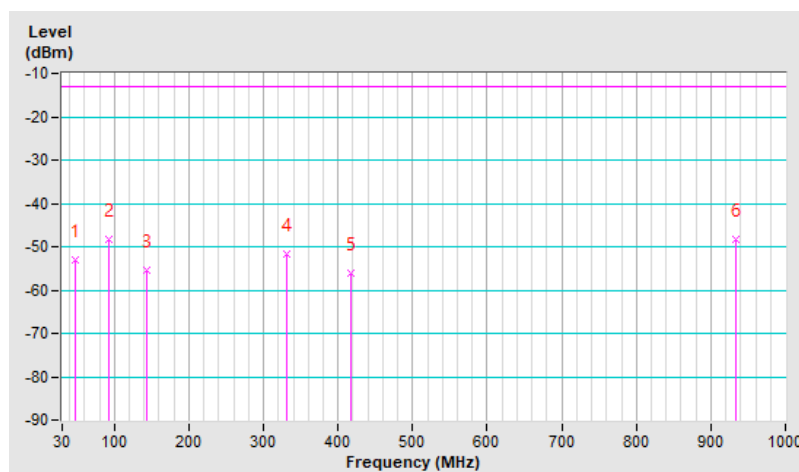
7.6.8 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	48.28	-53.02	-13.00	-40.02	1.00 H	284	53.27	-106.29
2	91.86	-48.23	-13.00	-35.23	1.25 H	292	63.48	-111.71
3	143.87	-55.31	-13.00	-42.31	1.00 H	262	51.01	-106.32
4	330.84	-51.58	-13.00	-38.58	1.50 H	309	52.41	-103.99
5	416.59	-56.26	-13.00	-43.26	1.00 H	166	46.40	-102.66
6	933.93	-48.21	-13.00	-35.21	1.25 H	6	43.75	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

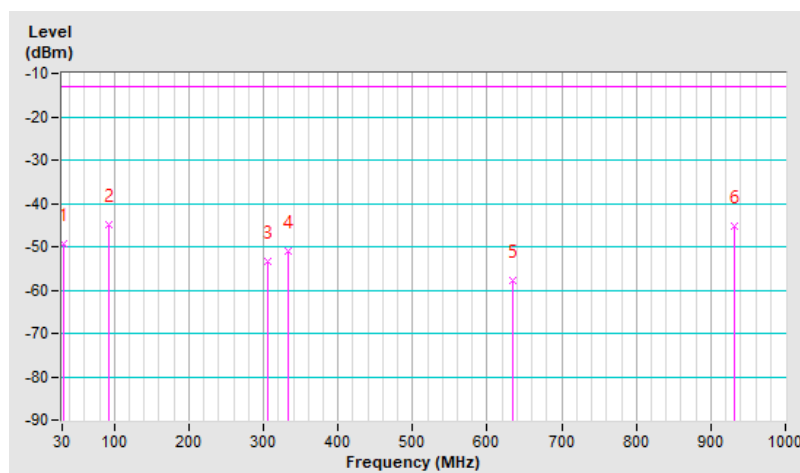


RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-49.46	-13.00	-36.46	1.50 V	338	58.49	-107.95
2	93.26	-45.03	-13.00	-32.03	1.25 V	229	66.60	-111.63
3	305.54	-53.36	-13.00	-40.36	1.00 V	184	51.14	-104.50
4	332.25	-50.86	-13.00	-37.86	1.50 V	275	53.13	-103.99
5	634.49	-57.83	-13.00	-44.83	2.00 V	54	39.86	-97.69
6	932.52	-45.22	-13.00	-32.22	1.00 V	308	46.74	-91.96

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



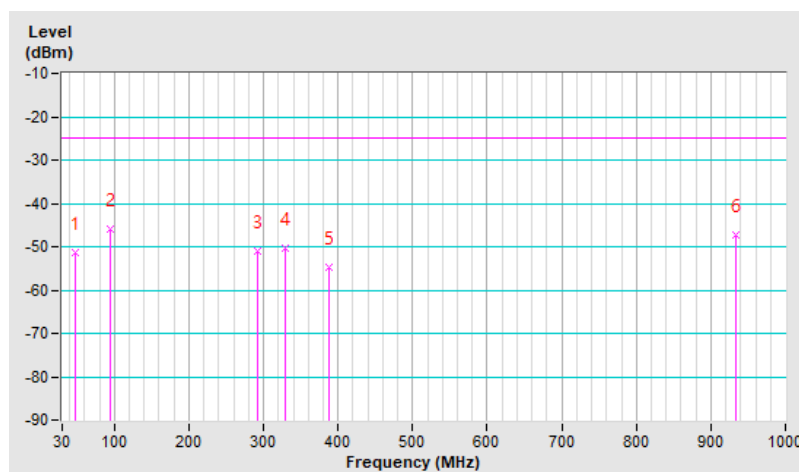
7.6.9 LTE Band 38

RF Mode	LTE Band 38 Channel Bandwidth: 5MHz	Channel	CH 37775 : 2572.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	48.28	-51.49	-25.00	-26.49	1.50 H	69	52.65	-104.14
2	94.67	-45.93	-25.00	-20.93	1.25 H	288	63.44	-109.37
3	291.48	-50.88	-25.00	-25.88	1.00 H	288	51.86	-102.74
4	329.43	-50.50	-25.00	-25.50	1.50 H	286	51.34	-101.84
5	388.48	-54.74	-25.00	-29.74	1.25 H	161	46.15	-100.89
6	933.93	-47.40	-25.00	-22.40	2.00 H	18	42.41	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

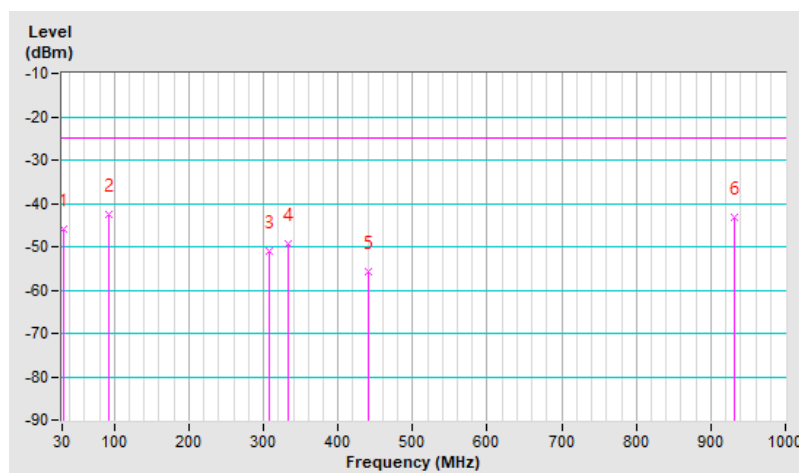


RF Mode	LTE Band 38 Channel Bandwidth: 5MHz	Channel	CH 37775 : 2572.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	31.41	-46.07	-25.00	-21.07	1.50 V	20	59.89	-105.96
2	91.86	-42.43	-25.00	-17.43	1.25 V	217	67.13	-109.56
3	306.94	-50.97	-25.00	-25.97	1.00 V	219	51.34	-102.31
4	332.25	-49.32	-25.00	-24.32	1.50 V	294	52.52	-101.84
5	440.49	-55.91	-25.00	-30.91	1.00 V	319	43.89	-99.80
6	932.52	-43.27	-25.00	-18.27	1.25 V	98	46.54	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



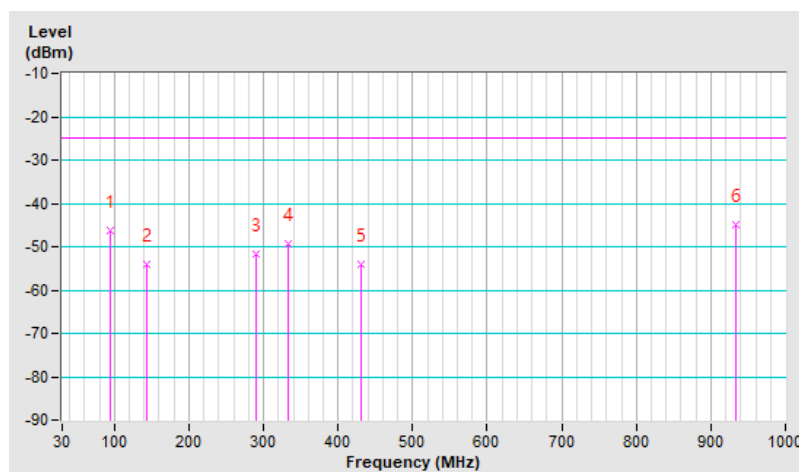
7.6.10 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 41565 : 2687.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	94.67	-46.18	-25.00	-21.18	1.25 H	301	63.19	-109.37
2	142.46	-54.08	-25.00	-29.08	1.00 H	267	50.11	-104.19
3	290.07	-51.84	-25.00	-26.84	1.00 H	268	50.93	-102.77
4	333.65	-49.46	-25.00	-24.46	1.50 H	295	52.38	-101.84
5	430.65	-54.19	-25.00	-29.19	1.00 H	165	45.83	-100.02
6	933.93	-44.80	-25.00	-19.80	1.50 H	164	45.01	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

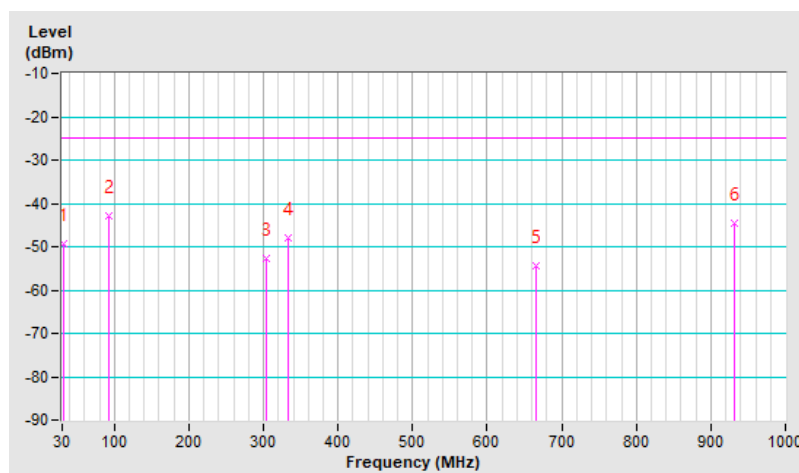


RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 41565 : 2687.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-49.36	-25.00	-24.36	1.50 V	187	56.44	-105.80
2	91.86	-42.98	-25.00	-17.98	1.25 V	231	66.58	-109.56
3	304.13	-52.67	-25.00	-27.67	1.50 V	135	49.72	-102.39
4	332.25	-47.94	-25.00	-22.94	1.25 V	279	53.90	-101.84
5	665.42	-54.33	-25.00	-29.33	1.00 V	313	40.91	-95.24
6	932.52	-44.60	-25.00	-19.60	1.25 V	198	45.21	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



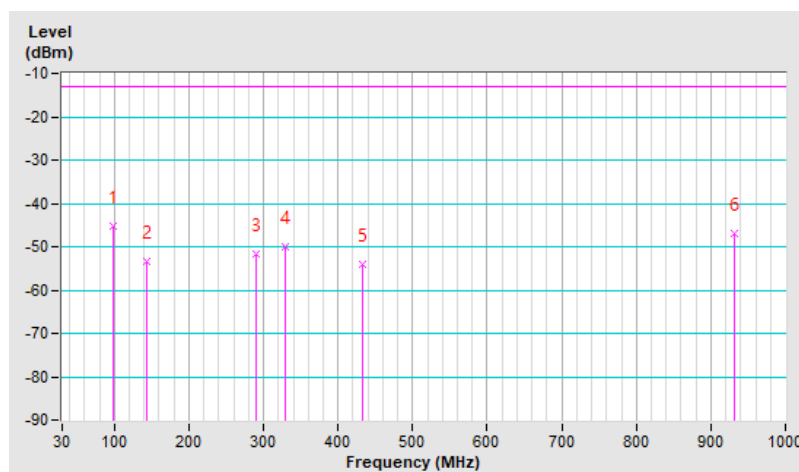
7.6.11 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 43065 : 3547.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	97.48	-45.30	-13.00	-32.30	1.50 H	279	63.78	-109.08
2	143.87	-53.39	-13.00	-40.39	1.25 H	279	50.78	-104.17
3	290.07	-51.76	-13.00	-38.76	1.00 H	296	51.01	-102.77
4	329.43	-50.11	-13.00	-37.11	1.50 H	277	51.73	-101.84
5	432.06	-54.06	-13.00	-41.06	1.00 H	152	45.91	-99.97
6	932.52	-46.90	-13.00	-33.90	1.25 H	328	42.91	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

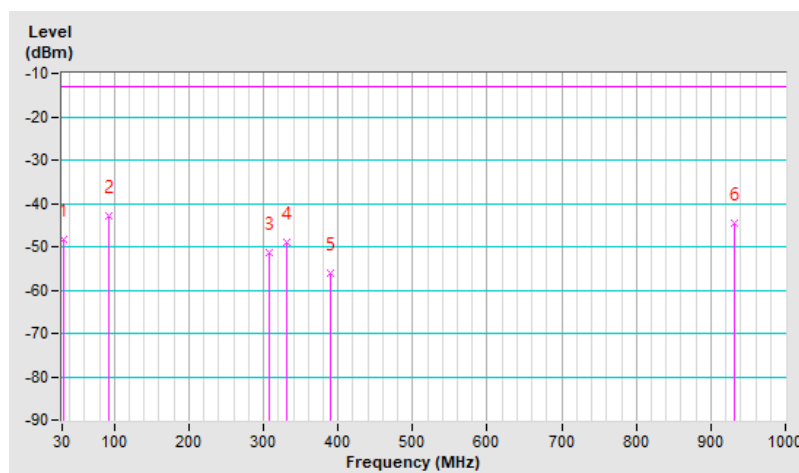


RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 43065 : 3547.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	31.41	-48.17	-13.00	-35.17	1.25 V	112	57.79	-105.96
2	93.26	-42.88	-13.00	-29.88	1.25 V	196	66.60	-109.48
3	306.94	-51.30	-13.00	-38.30	1.00 V	180	51.01	-102.31
4	330.84	-49.05	-13.00	-36.05	1.00 V	290	52.79	-101.84
5	389.88	-56.27	-13.00	-43.27	2.00 V	234	44.60	-100.87
6	932.52	-44.58	-13.00	-31.58	1.50 V	264	45.23	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



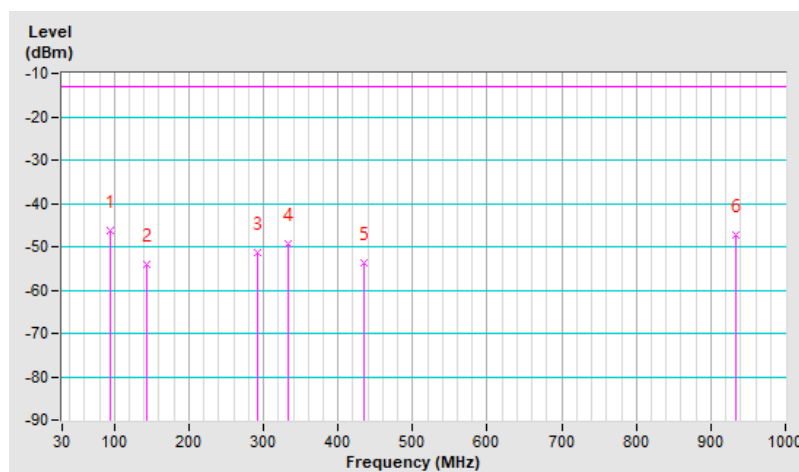
7.6.12 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 132665 : 1779.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	94.67	-46.12	-13.00	-33.12	1.50 H	286	63.25	-109.37
2	143.87	-54.04	-13.00	-41.04	1.25 H	252	50.13	-104.17
3	292.88	-51.46	-13.00	-38.46	1.00 H	289	51.25	-102.71
4	332.25	-49.22	-13.00	-36.22	1.25 H	280	52.62	-101.84
5	434.87	-53.60	-13.00	-40.60	2.00 H	160	46.30	-99.90
6	933.93	-47.39	-13.00	-34.39	1.00 H	57	42.42	-89.81

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) + 20log(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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

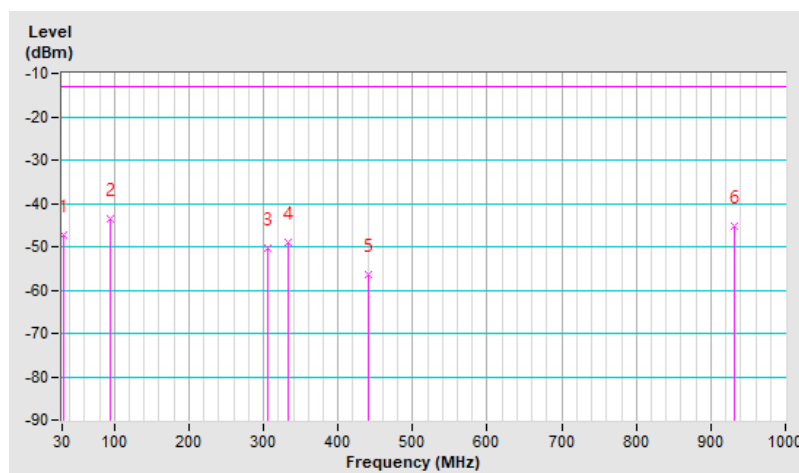


RF Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 132665 : 1779.3 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-47.38	-13.00	-34.38	1.00 V	70	58.42	-105.80
2	94.67	-43.56	-13.00	-30.56	1.50 V	233	65.81	-109.37
3	305.54	-50.31	-13.00	-37.31	1.25 V	289	52.04	-102.35
4	333.65	-49.04	-13.00	-36.04	1.00 V	277	52.80	-101.84
5	440.49	-56.40	-13.00	-43.40	2.00 V	6	43.40	-99.80
6	932.52	-45.38	-13.00	-32.38	1.00 V	81	44.43	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



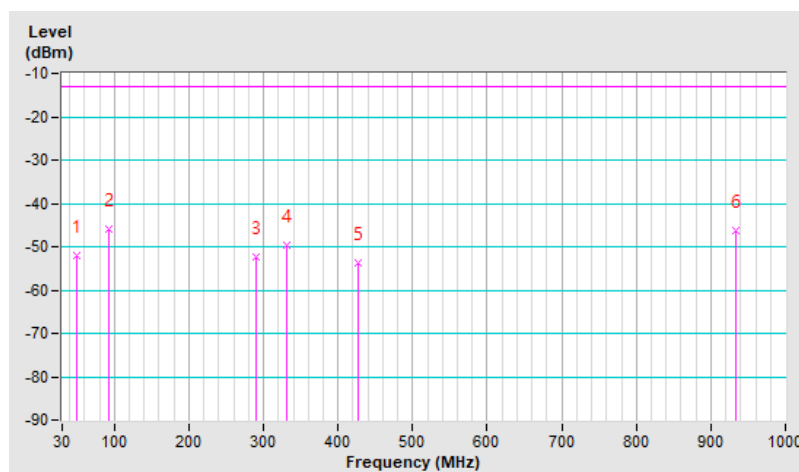
7.6.13 LTE Band 71

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133372 : 688 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	49.68	-52.17	-13.00	-39.17	1.00 H	156	51.96	-104.13
2	91.86	-45.96	-13.00	-32.96	1.25 H	276	63.60	-109.56
3	290.07	-52.24	-13.00	-39.24	1.50 H	291	50.53	-102.77
4	330.84	-49.74	-13.00	-36.74	1.25 H	298	52.10	-101.84
5	427.84	-53.80	-13.00	-40.80	1.00 H	165	46.31	-100.11
6	933.93	-46.31	-13.00	-33.31	1.50 H	262	43.50	-89.81

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 frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.

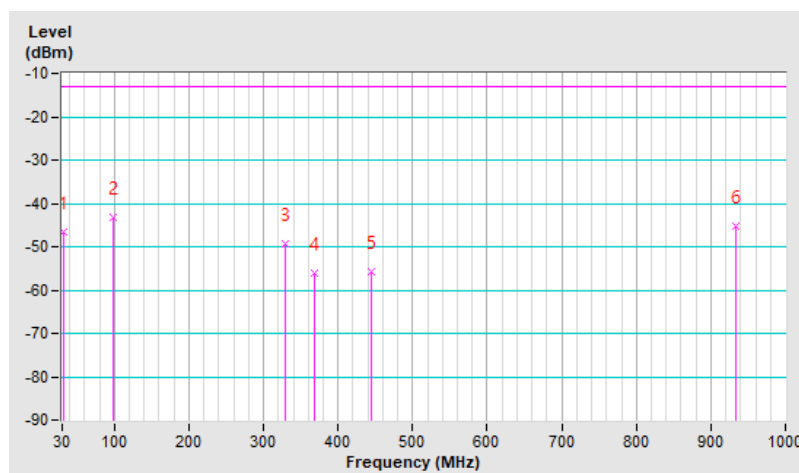


RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133372 : 688 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	22 °C, 68 % RH
Tested By	Greg Lin		

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	32.81	-46.53	-13.00	-33.53	1.50 V	238	59.27	-105.80
2	97.48	-43.08	-13.00	-30.08	1.00 V	237	66.00	-109.08
3	329.43	-49.38	-13.00	-36.38	1.25 V	276	52.46	-101.84
4	368.80	-56.12	-13.00	-43.12	1.50 V	222	45.10	-101.22
5	444.71	-55.80	-13.00	-42.80	1.00 V	339	43.94	-99.74
6	933.93	-45.26	-13.00	-32.26	2.00 V	289	44.55	-89.81

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 of frequency range 30 MHz ~ 1 GHz.
5. The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



7.7 Radiated Spurious Emissions above 1GHz

7.7.1 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 1.4MHz	Channel	CH 18607 : 1850.7 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.75	-13.00	-36.75	1.68 H	353	45.74	-95.49
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	3701.40	-49.82	-13.00	-36.82	1.32 V	104	45.67	-95.49

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.

RF Mode	LTE Band 2 Channel Bandwidth: 1.4MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.74	-13.00	-36.74	2.25 H	174	45.37	-95.11
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	3760.00	-49.09	-13.00	-36.09	1.28 V	49	46.02	-95.11

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.

RF Mode	LTE Band 2 Channel Bandwidth: 1.4MHz	Channel	CH 19193 : 1909.3 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.07	-13.00	-36.07	1.59 H	322	45.84	-94.91
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	-49.20	-13.00	-36.20	2.16 V	154	45.71	-94.91

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.

RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	Channel	CH 18625 : 1852.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.56	-13.00	-36.56	1.33 H	268	45.91	-95.47
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	3705.00	-50.20	-13.00	-37.20	2.93 V	115	45.27	-95.47

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.

RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.27	-13.00	-36.27	2.25 H	148	45.84	-95.11
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	3760.00	-49.92	-13.00	-36.92	1.37 V	34	45.19	-95.11

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.

RF Mode	LTE Band 2 Channel Bandwidth: 5MHz	Channel	CH 19175 : 1907.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.15	-13.00	-36.15	2.36 H	105	45.78	-94.93
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	3815.00	-48.72	-13.00	-35.72	1.89 V	140	46.21	-94.93

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.

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18700 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.18	-13.00	-36.18	2.01 H	283	46.18	-95.36
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	-49.98	-13.00	-36.98	1.54 V	215	45.38	-95.36

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.

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.13	-13.00	-37.13	1.63 H	288	44.98	-95.11
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	3760.00	-49.59	-13.00	-36.59	1.36 V	293	45.52	-95.11

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.

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 19100 : 1900 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.88	-13.00	-36.88	2.71 H	121	45.12	-95.00
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	-49.15	-13.00	-36.15	1.20 V	245	45.85	-95.00

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

RF Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 19957 : 1710.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-51.04	-13.00	-38.04	1.23 H	202	45.30	-96.34
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	-50.82	-13.00	-37.82	1.58 V	125	45.52	-96.34

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.

RF Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-51.14	-13.00	-38.14	2.54 H	118	45.18	-96.32
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	-50.50	-13.00	-37.50	1.84 V	269	45.82	-96.32

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.

RF Mode	LTE Band 4 Channel Bandwidth: 1.4MHz	Channel	CH 20393 : 1754.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	3508.60	-50.67	-13.00	-37.67	1.77 H	120	45.44	-96.11
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	3508.60	-50.48	-13.00	-37.48	1.25 V	51	45.63	-96.11

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.

RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	CH 19975 : 1712.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.56	-13.00	-37.56	1.48 H	232	45.78	-96.34
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	-51.05	-13.00	-38.05	1.32 V	175	45.29	-96.34

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.

RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.11	-13.00	-37.11	1.26 H	267	46.21	-96.32
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	-50.99	-13.00	-37.99	1.93 V	53	45.33	-96.32

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.

RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	Channel	CH 20375 : 1752.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.31	-13.00	-37.31	1.26 H	324	45.82	-96.13
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	-50.84	-13.00	-37.84	2.34 V	105	45.29	-96.13

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.

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20050 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-51.49	-13.00	-38.49	1.05 H	261	44.89	-96.38
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	-50.39	-13.00	-37.39	2.85 V	104	45.99	-96.38

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.

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20175 : 1732.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.47	-13.00	-37.47	1.29 H	26	45.85	-96.32
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	-51.00	-13.00	-38.00	1.61 V	194	45.32	-96.32

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.

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20300 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.98	-13.00	-37.98	1.88 H	250	45.21	-96.19
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	3490.00	-51.33	-13.00	-38.33	1.59 V	152	44.86	-96.19

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.

7.7.3 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20407 : 824.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-54.65	-13.00	-41.65	1.24 H	131	49.20	-103.85
2	2474.10	-45.77	-13.00	-32.77	2.58 H	142	55.20	-100.97
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	-54.38	-13.00	-41.38	2.25 V	107	49.47	-103.85
2	2474.10	-38.38	-13.00	-25.38	2.95 V	124	62.59	-100.97

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.

RF Mode	LTE Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-55.49	-13.00	-42.49	1.82 H	247	48.36	-103.85
2	2509.50	-50.22	-13.00	-37.22	1.25 H	49	50.65	-100.87
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	1673.00	-48.65	-13.00	-35.65	1.35 V	186	55.20	-103.85
2	2509.50	-38.67	-13.00	-25.67	2.26 V	142	62.20	-100.87

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.

RF Mode	LTE Band 5 Channel Bandwidth: 1.4MHz	Channel	CH 20643 : 848.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-53.89	-13.00	-40.89	1.88 H	343	49.96	-103.85
2	2544.90	-52.06	-13.00	-39.06	1.59 H	136	48.70	-100.76
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	-53.05	-13.00	-40.05	2.23 V	181	50.80	-103.85
2	2544.90	-45.20	-13.00	-32.20	1.32 V	82	55.56	-100.76

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.

RF Mode	LTE Band 5 Channel Bandwidth: 5MHz	Channel	CH 20425 : 826.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.34	-13.00	-43.34	2.39 H	147	47.50	-103.84
2	2479.50	-53.85	-13.00	-40.85	1.83 H	58	47.10	-100.95
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	-55.04	-13.00	-42.04	1.21 V	169	48.80	-103.84
2	2479.50	-54.37	-13.00	-41.37	2.52 V	109	46.58	-100.95

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.

RF Mode	LTE Band 5 Channel Bandwidth: 5MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.47	-13.00	-43.47	1.17 H	163	47.38	-103.85
2	2509.50	-52.97	-13.00	-39.97	1.52 H	198	47.90	-100.87
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	1673.00	-53.87	-13.00	-40.87	1.53 V	61	49.98	-103.85
2	2509.50	-45.47	-13.00	-32.47	1.72 V	314	55.40	-100.87

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.

RF Mode	LTE Band 5 Channel Bandwidth: 5MHz	Channel	CH 20625 : 846.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.03	-13.00	-43.03	2.71 H	153	47.80	-103.83
2	2539.50	-51.97	-13.00	-38.97	1.38 H	151	48.80	-100.77
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	-55.03	-13.00	-42.03	2.01 V	82	48.80	-103.83
2	2539.50	-41.50	-13.00	-28.50	1.05 V	226	59.27	-100.77

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.

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20450 : 829 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.40	-13.00	-43.40	2.68 H	151	47.46	-103.86
2	2487.00	-50.43	-13.00	-37.43	1.92 H	37	50.50	-100.93
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	-56.26	-13.00	-43.26	1.41 V	247	47.60	-103.86
2	2487.00	-51.43	-13.00	-38.43	1.82 V	116	49.50	-100.93

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.

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-57.56	-13.00	-44.56	1.77 H	130	46.29	-103.85
2	2509.50	-46.52	-13.00	-33.52	2.12 H	74	54.35	-100.87
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	1673.00	-56.95	-13.00	-43.95	1.62 V	291	46.90	-103.85
2	2509.50	-52.42	-13.00	-39.42	1.18 V	31	48.45	-100.87

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.

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20600 : 844 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.74	-13.00	-43.74	1.72 H	160	47.10	-103.84
2	2532.00	-51.40	-13.00	-38.40	1.82 H	322	49.40	-100.80
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	-57.44	-13.00	-44.44	2.29 V	108	46.40	-103.84
2	2532.00	-39.78	-13.00	-26.78	1.26 V	84	61.02	-100.80

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.

7.7.4 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	CH 23017 : 699.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.02	-13.00	-36.02	2.85 H	131	55.07	-104.09
2	2099.10	-43.82	-13.00	-30.82	1.62 H	49	58.22	-102.04
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	1399.40	-50.91	-13.00	-37.91	1.72 V	231	53.18	-104.09
2	2099.10	-40.51	-13.00	-27.51	2.25 V	142	61.53	-102.04

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.

RF Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.50	-13.00	-37.50	1.26 H	322	53.55	-104.05
2	2122.50	-47.49	-13.00	-34.49	2.35 H	185	54.46	-101.95
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	-50.74	-13.00	-37.74	2.16 V	283	53.31	-104.05
2	2122.50	-43.42	-13.00	-30.42	1.92 V	172	58.53	-101.95

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.

RF Mode	LTE Band 12 Channel Bandwidth: 1.4MHz	Channel	CH 23173 : 715.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-45.54	-13.00	-32.54	1.31 H	284	58.48	-104.02
2	2145.90	-42.44	-13.00	-29.44	1.65 H	188	59.40	-101.84
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	-41.24	-13.00	-28.24	1.38 V	259	62.78	-104.02
2	2145.90	-39.97	-13.00	-26.97	1.28 V	36	61.87	-101.84

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.

RF Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	CH 23035 : 701.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.41	-13.00	-37.41	2.50 H	14	53.67	-104.08
2	2104.50	-41.69	-13.00	-28.69	1.94 H	222	60.33	-102.02
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	-50.66	-13.00	-37.66	1.58 V	59	53.42	-104.08
2	2104.50	-38.72	-13.00	-25.72	1.77 V	165	63.30	-102.02

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.

RF Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.73	-13.00	-37.73	2.36 H	293	53.32	-104.05
2	2122.50	-47.58	-13.00	-34.58	2.18 H	123	54.37	-101.95
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	-50.37	-13.00	-37.37	2.84 V	106	53.68	-104.05
2	2122.50	-44.29	-13.00	-31.29	1.59 V	23	57.66	-101.95

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.

RF Mode	LTE Band 12 Channel Bandwidth: 5MHz	Channel	CH 23155 : 713.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.81	-13.00	-36.81	1.29 H	256	54.21	-104.02
2	2140.50	-40.82	-13.00	-27.82	2.24 H	153	61.04	-101.86
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	-49.76	-13.00	-36.76	1.64 V	84	54.26	-104.02
2	2140.50	-37.99	-13.00	-24.99	1.81 V	125	63.87	-101.86

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.

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23060 : 704 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.70	-13.00	-37.70	1.72 H	53	53.38	-104.08
2	2112.00	-40.07	-13.00	-27.07	2.79 H	152	61.92	-101.99
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	-49.60	-13.00	-36.60	1.66 V	259	54.48	-104.08
2	2112.00	-36.47	-13.00	-23.47	1.35 V	56	65.52	-101.99

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.

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23095 : 707.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.61	-13.00	-36.61	1.72 H	184	54.44	-104.05
2	2122.50	-47.36	-13.00	-34.36	2.63 H	115	54.59	-101.95
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	-50.06	-13.00	-37.06	1.28 V	212	53.99	-104.05
2	2122.50	-44.06	-13.00	-31.06	2.32 V	197	57.89	-101.95

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.

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	Channel	CH 23130 : 711 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.15	-13.00	-37.15	1.93 H	51	53.89	-104.04
2	2133.00	-42.14	-13.00	-29.14	2.11 H	146	59.75	-101.89
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	1422.00	-49.17	-13.00	-36.17	1.34 V	281	54.87	-104.04
2	2133.00	-39.19	-13.00	-26.19	2.08 V	122	62.70	-101.89

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.

7.7.5 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 5MHz	Channel	CH 23205 : 779.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-58.24	-40.00	-18.24	2.90 H	326	43.59	-101.83
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	-57.72	-40.00	-17.72	1.34 V	208	44.11	-101.83

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.

RF Mode	LTE Band 13 Channel Bandwidth: 5MHz	Channel	CH 23230 : 782 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-58.17	-40.00	-18.17	1.59 H	256	43.65	-101.82
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	-56.71	-40.00	-16.71	1.52 V	71	45.11	-101.82

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.

RF Mode	LTE Band 13 Channel Bandwidth: 5MHz	Channel	CH 23255 : 784.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-58.17	-40.00	-18.17	2.26 H	281	43.64	-101.81
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	-57.90	-40.00	-17.90	1.15 V	238	43.91	-101.81

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.

RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	Channel	CH 23230 : 782 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-57.96	-40.00	-17.96	1.77 H	196	43.86	-101.82
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	-58.27	-40.00	-18.27	2.41 V	85	43.55	-101.82

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.

7.7.6 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26047 : 1850.7 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.77	-13.00	-36.77	1.86 H	224	45.72	-95.49
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	3701.40	-50.11	-13.00	-37.11	1.38 V	152	45.38	-95.49

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.

RF Mode	LTE Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.16	-13.00	-36.16	2.04 H	150	45.93	-95.09
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	-49.17	-13.00	-36.17	1.60 V	315	45.92	-95.09

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.

RF Mode	LTE Band 25 Channel Bandwidth: 1.4MHz	Channel	CH 26683 : 1914.3 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.83	-13.00	-36.83	1.74 H	352	45.05	-94.88
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	3828.60	-49.72	-13.00	-36.72	1.06 V	38	45.16	-94.88

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.

RF Mode	LTE Band 25 Channel Bandwidth: 5MHz	Channel	CH 26065 : 1852.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.87	-13.00	-36.87	2.06 H	312	45.60	-95.47
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	3705.00	-50.29	-13.00	-37.29	1.69 V	253	45.18	-95.47

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.

RF Mode	LTE Band 25 Channel Bandwidth: 5MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.00	-13.00	-36.00	1.99 H	322	46.09	-95.09
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	-49.47	-13.00	-36.47	1.61 V	29	45.62	-95.09

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.

RF Mode	LTE Band 25 Channel Bandwidth: 5MHz	Channel	CH 26665 : 1912.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.84	-13.00	-36.84	1.35 H	82	45.04	-94.88
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	3825.00	-49.56	-13.00	-36.56	1.57 V	126	45.32	-94.88

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.

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26140 : 1860 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.77	-13.00	-36.77	1.60 H	252	45.59	-95.36
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	-49.39	-13.00	-36.39	2.19 V	50	45.97	-95.36

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.

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26365 : 1882.5 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.68	-13.00	-36.68	2.83 H	220	45.41	-95.09
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	-49.38	-13.00	-36.38	2.11 V	106	45.71	-95.09

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.

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	Channel	CH 26590 : 1905 MHz
Frequency Range	1 GHz ~ 20 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.31	-13.00	-36.31	1.22 H	342	45.64	-94.95
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	3810.00	-49.12	-13.00	-36.12	2.28 V	151	45.83	-94.95

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.

7.7.7 LTE Band 26 (814 MHz ~ 824 MHz)

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26697 : 814.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-58.70	-13.00	-45.70	1.43 H	37	45.19	-103.89
2	2444.10	-54.07	-13.00	-41.07	1.85 H	132	46.95	-101.02
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	-57.46	-13.00	-44.46	1.95 V	336	46.43	-103.89
2	2444.10	-51.65	-13.00	-38.65	1.56 V	174	49.37	-101.02

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.

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-54.85	-13.00	-41.85	1.77 H	146	49.02	-103.87
2	2457.00	-51.51	-13.00	-38.51	1.61 H	245	49.50	-101.01
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	1638.00	-55.62	-13.00	-42.62	2.57 V	162	48.25	-103.87
2	2457.00	-48.87	-13.00	-35.87	1.42 V	203	52.14	-101.01

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.

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26783 : 823.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.07	-13.00	-43.07	1.59 H	296	47.79	-103.86
2	2469.90	-49.56	-13.00	-36.56	1.76 H	125	51.42	-100.98
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	-56.82	-13.00	-43.82	2.14 V	115	47.04	-103.86
2	2469.90	-48.22	-13.00	-35.22	1.88 V	152	52.76	-100.98

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.

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	Channel	CH 26715 : 816.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.06	-13.00	-43.06	2.71 H	134	47.82	-103.88
2	2449.50	-53.00	-13.00	-40.00	2.44 H	71	48.03	-101.03
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	-56.30	-13.00	-43.30	2.96 V	104	47.58	-103.88
2	2449.50	-41.48	-13.00	-28.48	2.01 V	150	59.55	-101.03

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.

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.95	-13.00	-43.95	2.47 H	184	46.92	-103.87
2	2457.00	-52.34	-13.00	-39.34	1.42 H	74	48.67	-101.01
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	1638.00	-55.40	-13.00	-42.40	1.26 V	274	48.47	-103.87
2	2457.00	-49.35	-13.00	-36.35	1.41 V	209	51.66	-101.01

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.

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 5MHz	Channel	CH 26765 : 821.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-55.76	-13.00	-42.76	1.22 H	59	48.10	-103.86
2	2464.50	-51.95	-13.00	-38.95	1.64 H	228	49.05	-101.00
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	-55.58	-13.00	-42.58	1.57 V	132	48.28	-103.86
2	2464.50	-48.20	-13.00	-35.20	1.96 V	152	52.80	-101.00

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.

RF Mode	LTE Band 26 (814 MHz ~ 824 MHz) Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-58.09	-13.00	-45.09	1.64 H	298	45.78	-103.87
2	2457.00	-51.80	-13.00	-38.80	1.48 H	293	49.21	-101.01
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	1638.00	-55.34	-13.00	-42.34	1.59 V	175	48.53	-103.87
2	2457.00	-48.99	-13.00	-35.99	1.66 V	148	52.02	-101.01

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.

7.7.8 LTE Band 26 (824 MHz ~ 849 MHz)

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26797 : 824.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-57.08	-13.00	-44.08	1.12 H	184	46.77	-103.85
2	2474.10	-51.99	-13.00	-38.99	1.83 H	153	48.98	-100.97
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	-55.89	-13.00	-42.89	2.36 V	174	47.96	-103.85
2	2474.10	-41.27	-13.00	-28.27	1.35 V	269	59.70	-100.97

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-53.21	-13.00	-40.21	1.12 H	194	50.64	-103.85
2	2509.50	-51.79	-13.00	-38.79	1.51 H	175	49.08	-100.87
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	1673.00	-49.37	-13.00	-36.37	1.38 V	175	54.48	-103.85
2	2509.50	-35.86	-13.00	-22.86	2.69 V	152	65.01	-100.87

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 1.4MHz	Channel	CH 27033 : 848.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-53.76	-13.00	-40.76	1.06 H	182	50.09	-103.85
2	2544.90	-52.51	-13.00	-39.51	1.27 H	168	48.25	-100.76
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	-51.30	-13.00	-38.30	1.76 V	151	52.55	-103.85
2	2544.90	-43.69	-13.00	-30.69	1.41 V	284	57.07	-100.76

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26815 : 826.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-57.03	-13.00	-44.03	1.50 H	341	46.81	-103.84
2	2479.50	-50.87	-13.00	-37.87	2.12 H	73	50.08	-100.95
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	-56.57	-13.00	-43.57	2.11 V	173	47.27	-103.84
2	2479.50	-44.72	-13.00	-31.72	1.65 V	81	56.23	-100.95

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-54.21	-13.00	-41.21	1.92 H	55	49.64	-103.85
2	2509.50	-51.21	-13.00	-38.21	2.01 H	46	49.66	-100.87
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	1673.00	-52.96	-13.00	-39.96	2.35 V	181	50.89	-103.85
2	2509.50	-45.26	-13.00	-32.26	2.64 V	251	55.61	-100.87

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 5MHz	Channel	CH 27015 : 846.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-52.90	-13.00	-39.90	2.45 H	116	50.93	-103.83
2	2539.50	-53.85	-13.00	-40.85	2.22 H	88	46.92	-100.77
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	-52.17	-13.00	-39.17	1.48 V	128	51.66	-103.83
2	2539.50	-46.55	-13.00	-33.55	1.83 V	79	54.22	-100.77

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26865 : 831.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-54.95	-13.00	-41.95	2.20 H	61	48.90	-103.85
2	2494.50	-52.17	-13.00	-39.17	1.92 H	159	48.75	-100.92
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	1663.00	-55.25	-13.00	-42.25	1.10 V	249	48.60	-103.85
2	2494.50	-44.86	-13.00	-31.86	1.74 V	255	56.06	-100.92

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-54.78	-13.00	-41.78	1.25 H	346	49.07	-103.85
2	2509.50	-51.38	-13.00	-38.38	1.42 H	53	49.49	-100.87
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	1673.00	-53.00	-13.00	-40.00	2.11 V	224	50.85	-103.85
2	2509.50	-45.94	-13.00	-32.94	1.73 V	294	54.93	-100.87

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.

RF Mode	LTE Band 26 (824 MHz ~ 849 MHz) Channel Bandwidth: 15MHz	Channel	CH 26965 : 841.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-56.86	-13.00	-43.86	1.25 H	241	46.99	-103.85
2	2524.50	-52.76	-13.00	-39.76	2.78 H	141	48.06	-100.82
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	-55.06	-13.00	-42.06	2.55 V	91	48.79	-103.85
2	2524.50	-46.59	-13.00	-33.59	1.26 V	137	54.23	-100.82

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 38

RF Mode	LTE Band 38 Channel Bandwidth: 5MHz	Channel	CH 37775 : 2572.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	5145.00	-46.48	-25.00	-21.48	1.75 H	335	46.02	-92.50
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	5145.00	-47.09	-25.00	-22.09	1.36 V	265	45.41	-92.50

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.

RF Mode	LTE Band 38 Channel Bandwidth: 5MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	5190.00	-47.34	-25.00	-22.34	2.58 H	224	45.33	-92.67
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	5190.00	-47.14	-25.00	-22.14	1.63 V	150	45.53	-92.67

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.

RF Mode	LTE Band 38 Channel Bandwidth: 5MHz	Channel	CH 38225 : 2617.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	5235.00	-46.92	-25.00	-21.92	1.30 H	315	45.83	-92.75
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	5235.00	-47.18	-25.00	-22.18	2.04 V	211	45.57	-92.75

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.

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 37850 : 2580 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	5160.00	-47.22	-25.00	-22.22	1.83 H	112	45.33	-92.55
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	5160.00	-46.79	-25.00	-21.79	1.29 V	231	45.76	-92.55

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.

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	5190.00	-46.64	-25.00	-21.64	2.43 H	121	46.03	-92.67
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	5190.00	-47.21	-25.00	-22.21	1.84 V	61	45.46	-92.67

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.

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38150 : 2610 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	5220.00	-46.96	-25.00	-21.96	2.15 H	128	45.77	-92.73
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	5220.00	-47.36	-25.00	-22.36	2.89 V	153	45.37	-92.73

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.

7.7.10 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 39675 : 2498.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-46.70	-25.00	-21.70	1.52 H	330	46.09	-92.79
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	-47.11	-25.00	-22.11	2.21 V	218	45.68	-92.79

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.

RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-46.53	-25.00	-21.53	2.11 H	85	46.13	-92.66
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	-47.31	-25.00	-22.31	1.77 V	241	45.35	-92.66

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.

RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 41565 : 2687.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-46.42	-25.00	-21.42	1.85 H	151	46.23	-92.65
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	-47.18	-25.00	-22.18	1.63 V	282	45.47	-92.65

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.

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 39750 : 2506 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-46.66	-25.00	-21.66	1.90 H	143	46.10	-92.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5012.00	-47.21	-25.00	-22.21	1.77 V	259	45.55	-92.76

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.

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40620 : 2593 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-46.65	-25.00	-21.65	1.15 H	182	46.01	-92.66
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	-46.85	-25.00	-21.85	1.89 V	231	45.81	-92.66

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.

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 41490 : 2680 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-46.47	-25.00	-21.47	1.92 H	255	46.20	-92.67
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	-46.61	-25.00	-21.61	2.36 V	144	46.06	-92.67

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.

7.7.11 LTE Band 42

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 42115 : 3452.5 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	6905.00	-41.80	-13.00	-28.80	2.02 H	120	45.93	-87.73
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	6905.00	-41.22	-13.00	-28.22	1.61 V	293	46.51	-87.73

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.

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	7000.00	-41.36	-13.00	-28.36	1.59 H	235	46.40	-87.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.00	-41.47	-13.00	-28.47	2.24 V	183	46.29	-87.76

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.

RF Mode	LTE Band 42 Channel Bandwidth: 5MHz	Channel	CH 43065 : 3547.5 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	7095.00	-41.43	-13.00	-28.43	1.88 H	235	46.21	-87.64
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	7095.00	-41.19	-13.00	-28.19	1.21 V	179	46.45	-87.64

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.

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42190 : 3460 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	6920.00	-41.72	-13.00	-28.72	1.96 H	132	46.03	-87.75
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	6920.00	-41.98	-13.00	-28.98	1.21 V	58	45.77	-87.75

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.

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42590 : 3500 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	7000.00	-41.94	-13.00	-28.94	2.26 H	304	45.82	-87.76
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	7000.00	-41.43	-13.00	-28.43	1.30 V	8	46.33	-87.76

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.

RF Mode	LTE Band 42 Channel Bandwidth: 20MHz	Channel	CH 42990 : 3540 MHz
Frequency Range	1 GHz ~ 40 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	7080.00	-41.74	-13.00	-28.74	1.45 H	31	45.90	-87.64
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	7080.00	-41.45	-13.00	-28.45	2.43 V	181	46.19	-87.64

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.

7.7.12 LTE Band 66

RF Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 131979 : 1710.7 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.58	-13.00	-37.58	1.34 H	188	45.76	-96.34
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	-50.52	-13.00	-37.52	1.52 V	119	45.82	-96.34

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.

RF Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.01	-13.00	-37.01	1.25 H	184	46.18	-96.19
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	3490.00	-50.17	-13.00	-37.17	1.59 V	273	46.02	-96.19

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.

RF Mode	LTE Band 66 Channel Bandwidth: 1.4MHz	Channel	CH 132665 : 1779.3 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.04	-13.00	-36.04	1.52 H	227	46.93	-95.97
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	3558.60	-49.69	-13.00	-36.69	1.32 V	95	46.28	-95.97

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.

RF Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	CH 131997 : 1712.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.12	-13.00	-37.12	1.76 H	293	46.22	-96.34
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	-50.39	-13.00	-37.39	1.22 V	138	45.95	-96.34

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.

RF Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.53	-13.00	-37.53	2.83 H	14	45.66	-96.19
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	3490.00	-49.83	-13.00	-36.83	1.72 V	161	46.36	-96.19

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.

RF Mode	LTE Band 66 Channel Bandwidth: 5MHz	Channel	CH 132647 : 1777.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.17	-13.00	-37.17	1.25 H	325	45.81	-95.98
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	-49.70	-13.00	-36.70	1.35 V	293	46.28	-95.98

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.

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132072 : 1720 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.10	-13.00	-37.10	1.77 H	53	46.28	-96.38
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	-50.63	-13.00	-37.63	1.58 V	115	45.75	-96.38

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.

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132322 : 1745 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.96	-13.00	-37.96	1.92 H	345	45.23	-96.19
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	3490.00	-50.07	-13.00	-37.07	2.63 V	184	46.12	-96.19

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.

RF Mode	LTE Band 66 Channel Bandwidth: 20MHz	Channel	CH 132572 : 1770 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.10	-13.00	-37.10	1.66 H	322	45.92	-96.02
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	-49.65	-13.00	-36.65	2.75 V	132	46.37	-96.02

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 71

RF Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	CH 133147 : 665.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-45.95	-13.00	-32.95	1.97 H	82	58.16	-104.11
2	1996.50	-45.79	-13.00	-32.79	2.14 H	293	56.33	-102.12
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	-49.58	-13.00	-36.58	1.84 V	31	54.53	-104.11
2	1996.50	-46.18	-13.00	-33.18	2.06 V	285	55.94	-102.12

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.

RF Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.47	-13.00	-37.47	1.14 H	169	53.58	-104.05
2	2041.50	-47.04	-13.00	-34.04	1.88 H	235	54.96	-102.00
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	-49.58	-13.00	-36.58	2.14 V	150	54.47	-104.05
2	2041.50	-45.93	-13.00	-32.93	1.69 V	226	56.07	-102.00

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.

RF Mode	LTE Band 71 Channel Bandwidth: 5MHz	Channel	CH 133447 : 695.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-51.07	-13.00	-38.07	1.32 H	153	53.01	-104.08
2	2086.50	-48.35	-13.00	-35.35	1.27 H	226	53.68	-102.03
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	-50.12	-13.00	-37.12	2.62 V	173	53.96	-104.08
2	2086.50	-46.05	-13.00	-33.05	1.88 V	135	55.98	-102.03

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.

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133222 : 673 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-48.50	-13.00	-35.50	2.27 H	41	55.56	-104.06
2	2019.00	-47.57	-13.00	-34.57	1.51 H	278	54.48	-102.05
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	1346.00	-49.71	-13.00	-36.71	2.81 V	105	54.35	-104.06
2	2019.00	-46.44	-13.00	-33.44	1.13 V	127	55.61	-102.05

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.

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133297 : 680.5 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-49.32	-13.00	-36.32	1.93 H	295	54.73	-104.05
2	2041.50	-47.56	-13.00	-34.56	2.38 H	271	54.44	-102.00
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	-49.99	-13.00	-36.99	2.27 V	186	54.06	-104.05
2	2041.50	-45.54	-13.00	-32.54	1.78 V	92	56.46	-102.00

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.

RF Mode	LTE Band 71 Channel Bandwidth: 20MHz	Channel	CH 133372 : 688 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	23 °C, 67 % RH
Tested By	Karl Lee		

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	-50.72	-13.00	-37.72	2.04 H	172	53.35	-104.07
2	2064.00	-48.30	-13.00	-35.30	1.85 H	312	53.70	-102.00
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	-50.20	-13.00	-37.20	1.71 V	180	53.87	-104.07
2	2064.00	-45.31	-13.00	-32.31	1.56 V	231	56.69	-102.00

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, 67% RH	Tested By:	Noah Chang
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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)
3.23	1850.700004	0.0022	1909.300005	0.0026
3.8	1850.699998	-0.0011	1909.300001	0.0005
4.4	1850.700002	0.0011	1909.300001	0.0005

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1850.700004	0.0022	1909.300008	0.0042
-20	1850.700002	0.0011	1909.300003	0.0016
-10	1850.699997	-0.0016	1909.299993	-0.0037
0	1850.700002	0.0011	1909.299997	-0.0016
10	1850.699995	-0.0027	1909.299995	-0.0026
20	1850.699994	-0.0032	1909.299994	-0.0031
30	1850.699995	-0.0027	1909.299991	-0.0047
40	1850.700001	0.0005	1909.299999	-0.0005
50	1850.699995	-0.0027	1909.299992	-0.0042
60	1850.700001	0.0005	1909.300001	0.0005
70	1850.700008	0.0043	1909.300006	0.0031
75	1850.700006	0.0032	1909.30001	0.0052

LTE Band 2, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18615 (1851.5 MHz)		CH 19185 (1908.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1851.500006	0.0032	1908.500001	0.0005
3.8	1851.499992	-0.0043	1908.499991	-0.0047
4.4	1851.500006	0.0032	1908.500009	0.0047

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18615 (1851.5 MHz)		CH 19185 (1908.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1851.49999	-0.0054	1908.49999	-0.0052
-20	1851.500003	0.0016	1908.500008	0.0042
-10	1851.499997	-0.0016	1908.499999	-0.0005
0	1851.499992	-0.0043	1908.499997	-0.0016
10	1851.500006	0.0032	1908.500005	0.0026
20	1851.500001	0.0005	1908.500002	0.001
30	1851.500001	0.0005	1908.500002	0.001
40	1851.499997	-0.0016	1908.499994	-0.0031
50	1851.499997	-0.0016	1908.500001	0.0005
60	1851.499994	-0.0032	1908.499991	-0.0047
70	1851.500001	0.0005	1908.500001	0.0005
75	1851.500002	0.0011	1908.500001	0.0005

LTE Band 2, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18625 (1852.5 MHz)		CH 19175 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1852.500008	0.0043	1907.500005	0.0026
3.8	1852.499991	-0.0049	1907.499994	-0.0031
4.4	1852.499998	-0.0011	1907.499998	-0.001

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18625 (1852.5 MHz)		CH 19175 (1907.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1852.500007	0.0038	1907.500006	0.0031
-20	1852.500002	0.0011	1907.500003	0.0016
-10	1852.500009	0.0049	1907.500008	0.0042
0	1852.500002	0.0011	1907.500001	0.0005
10	1852.499992	-0.0043	1907.499993	-0.0037
20	1852.499991	-0.0049	1907.49999	-0.0052
30	1852.499995	-0.0027	1907.499996	-0.0021
40	1852.499996	-0.0022	1907.499995	-0.0026
50	1852.500007	0.0038	1907.500006	0.0031
60	1852.500002	0.0011	1907.500002	0.001
70	1852.500007	0.0038	1907.500001	0.0052
75	1852.499994	-0.0032	1907.499993	-0.0037

LTE Band 2, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 18650 (1855 MHz)		CH 19150 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1855.000007	0.0038	1905.000009	0.0047
3.8	1855.000002	0.0011	1905.000005	0.0026
4.4	1854.999993	-0.0038	1904.999992	-0.0042

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 18650 (1855 MHz)		CH 19150 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1855.000007	0.0038	1905.000008	0.0042
-20	1855.000006	0.0032	1905.000004	0.0021
-10	1854.999993	-0.0038	1904.999995	-0.0026
0	1855.000005	0.0027	1905.000004	0.0021
10	1855.000005	0.0027	1905.000009	0.0047
20	1854.999991	-0.0049	1904.999994	-0.0031
30	1854.999999	-0.0005	1905.000001	0.0005
40	1855.000002	0.0011	1905.000003	0.0016
50	1855.000004	0.0022	1905.000001	0.0005
60	1854.999995	-0.0027	1904.999994	-0.0031
70	1855.000001	0.0054	1905.000007	0.0037
75	1854.999994	-0.0032	1904.999994	-0.0031

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)
3.23	1857.500002	0.0011	1902.500004	0.0021
3.8	1857.500002	0.0011	1902.500005	0.0026
4.4	1857.499995	-0.0027	1902.499991	-0.0047

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1857.500006	0.0032	1902.500006	0.0032
-20	1857.500001	0.0005	1902.500004	0.0021
-10	1857.499999	-0.0005	1902.499999	-0.0005
0	1857.500006	0.0032	1902.500008	0.0042
10	1857.499998	-0.0011	1902.500001	0.0005
20	1857.499993	-0.0038	1902.49999	-0.0053
30	1857.500004	0.0022	1902.500008	0.0042
40	1857.499992	-0.0043	1902.499993	-0.0037
50	1857.49999	-0.0054	1902.499991	-0.0047
60	1857.499992	-0.0043	1902.499991	-0.0047
70	1857.500008	0.0043	1902.500007	0.0037
75	1857.500003	0.0016	1902.500003	0.0016

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)
3.23	1860.000008	0.0043	1900.000009	0.0047
3.8	1860.00001	0.0054	1900.000005	0.0026
4.4	1860.000002	0.0011	1900.000002	0.0011

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1860.000005	0.0027	1900.000001	0.0005
-20	1859.999997	-0.0016	1899.999997	-0.0016
-10	1860.000001	0.0005	1900.000003	0.0016
0	1859.999994	-0.0032	1899.99999	-0.0053
10	1860.000003	0.0016	1900.000005	0.0026
20	1859.999996	-0.0022	1899.999995	-0.0026
30	1860.000006	0.0032	1900.000004	0.0021
40	1859.999997	-0.0016	1899.999995	-0.0026
50	1859.999996	-0.0022	1899.999993	-0.0037
60	1859.999997	-0.0016	1899.999993	-0.0037
70	1859.999994	-0.0032	1899.999992	-0.0042
75	1860.000003	0.0016	1900.000002	0.0011

7.8.2 LTE Band 4

LTE Band 4, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19957 (1710.7 MHz)		CH 20393 (1754.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1710.699993	-0.0041	1754.299993	-0.004
3.8	1710.699995	-0.0029	1754.299993	-0.004
4.4	1710.699993	-0.0041	1754.299994	-0.0034

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19957 (1710.7 MHz)		CH 20393 (1754.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1710.699994	-0.0035	1754.299997	-0.0017
-20	1710.700005	0.0029	1754.300004	0.0023
-10	1710.699993	-0.0041	1754.299994	-0.0034
0	1710.699998	-0.0012	1754.299995	-0.0029
10	1710.699999	-0.0006	1754.300001	0.0006
20	1710.699997	-0.0018	1754.299995	-0.0029
30	1710.699992	-0.0047	1754.299992	-0.0046
40	1710.700006	0.0035	1754.300001	0.0006
50	1710.700001	0.0006	1754.300005	0.0029
60	1710.700001	0.0006	1754.299996	-0.0023
70	1710.699997	-0.0018	1754.299998	-0.0011
75	1710.699997	-0.0018	1754.299995	-0.0029

LTE Band 4, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19965 (1711.5 MHz)		CH 20385 (1753.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1711.499994	-0.0035	1753.499994	-0.0034
3.8	1711.500001	0.0006	1753.500004	0.0023
4.4	1711.500002	0.0012	1753.500005	0.0029

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19965 (1711.5 MHz)		CH 20385 (1753.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1711.500008	0.0047	1753.500008	0.0046
-20	1711.499998	-0.0012	1753.499997	-0.0017
-10	1711.500007	0.0041	1753.500006	0.0034
0	1711.499995	-0.0029	1753.499999	-0.0006
10	1711.499999	-0.0006	1753.500001	0.0006
20	1711.499997	-0.0018	1753.499997	-0.0017
30	1711.500007	0.0041	1753.500002	0.0011
40	1711.500006	0.0035	1753.500005	0.0029
50	1711.499996	-0.0023	1753.499994	-0.0034
60	1711.499996	-0.0023	1753.499995	-0.0029
70	1711.499992	-0.0047	1753.499997	-0.0017
75	1711.499992	-0.0047	1753.499994	-0.0034

LTE Band 4, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 19975 (1712.5 MHz)		CH 20375 (1752.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1712.499994	-0.0035	1752.499998	-0.0011
3.8	1712.499995	-0.0029	1752.499993	-0.004
4.4	1712.499997	-0.0018	1752.499994	-0.0034

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 19975 (1712.5 MHz)		CH 20375 (1752.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1712.500004	0.0023	1752.500001	0.0006
-20	1712.500007	0.0041	1752.500007	0.004
-10	1712.499999	-0.0006	1752.499996	-0.0023
0	1712.500002	0.0012	1752.500001	0.0006
10	1712.499995	-0.0029	1752.499995	-0.0029
20	1712.500004	0.0023	1752.500003	0.0017
30	1712.499998	-0.0012	1752.499994	-0.0034
40	1712.500008	0.0047	1752.500007	0.004
50	1712.500007	0.0041	1752.500003	0.0017
60	1712.499997	-0.0018	1752.500002	0.0011
70	1712.499996	-0.0023	1752.499992	-0.0046
75	1712.499993	-0.0041	1752.499994	-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)
3.23	1714.999998	-0.0012	1749.999997	-0.0017
3.8	1714.999995	-0.0029	1749.999996	-0.0023
4.4	1715.000001	0.0006	1750.000006	0.0034

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1714.999998	-0.0012	1750.000002	0.0011
-20	1715.000009	0.0052	1750.000006	0.0034
-10	1714.999994	-0.0035	1749.999994	-0.0034
0	1715.000008	0.0047	1750.000004	0.0023
10	1714.999996	-0.0023	1749.999993	-0.004
20	1715.000005	0.0029	1750.000001	0.0006
30	1714.999998	-0.0012	1750.000001	0.0006
40	1714.999993	-0.0041	1749.999995	-0.0029
50	1714.999994	-0.0035	1749.999993	-0.004
60	1714.999998	-0.0012	1749.999996	-0.0023
70	1714.999999	-0.0006	1749.999996	-0.0023
75	1714.999999	-0.0058	1749.999992	-0.0046

LTE Band 4, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20025 (1717.5 MHz)		CH 20325 (1747.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1717.50001	0.0058	1747.50001	0.0057
3.8	1717.499998	-0.0012	1747.499996	-0.0023
4.4	1717.500005	0.0029	1747.500001	0.0006

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20025 (1717.5 MHz)		CH 20325 (1747.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1717.500008	0.0047	1747.500009	0.0052
-20	1717.499995	-0.0029	1747.499993	-0.004
-10	1717.500003	0.0017	1747.500001	0.0006
0	1717.499996	-0.0023	1747.499997	-0.0017
10	1717.500005	0.0029	1747.500002	0.0011
20	1717.499999	-0.0006	1747.499996	-0.0023
30	1717.500009	0.0052	1747.500008	0.0046
40	1717.500008	0.0047	1747.500008	0.0046
50	1717.499991	-0.0052	1747.49999	-0.0057
60	1717.499992	-0.0047	1747.499992	-0.0046
70	1717.499994	-0.0035	1747.499993	-0.004
75	1717.499996	-0.0023	1747.499997	-0.0017

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)
3.23	1720.000002	0.0012	1744.999997	-0.0017
3.8	1719.999999	-0.0006	1745.000003	0.0017
4.4	1720.000005	0.0029	1745.000007	0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1745.000005	0.0029
-20	1720.000001	0.0006	1745.000004	0.0023
-10	1720.000004	0.0023	1745.000008	0.0046
0	1719.999997	-0.0017	1744.999994	-0.0034
10	1720.000006	0.0035	1745.000009	0.0052
20	1719.999999	-0.0006	1745.000002	0.0011
30	1720.000009	0.0052	1745.000005	0.0029
40	1720.000008	0.0047	1745.000008	0.0046
50	1720.000004	0.0023	1745.000006	0.0034
60	1720.000003	0.0017	1745.000006	0.0034
70	1719.999994	-0.0035	1744.999992	-0.0046
75	1720.000002	0.0012	1744.999996	-0.0023

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)
3.23	824.699991	-0.0109	848.299992	-0.0094
3.8	824.699998	-0.0024	848.299998	-0.0024
4.4	824.699996	-0.0049	848.299999	-0.0012

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	824.699992	-0.0097	848.299996	-0.0047
-20	824.700003	0.0036	848.300001	0.0012
-10	824.699997	-0.0036	848.299999	-0.0012
0	824.699995	-0.0061	848.299994	-0.0071
10	824.700002	0.0024	848.300003	0.0035
20	824.699995	-0.0061	848.299995	-0.0059
30	824.700009	0.0109	848.300006	0.0071
40	824.700003	0.0036	848.300007	0.0083
50	824.699999	-0.0012	848.300002	0.0024
60	824.699999	-0.0012	848.300003	0.0035
70	824.699995	-0.0061	848.299997	-0.0035
75	824.699995	-0.0061	848.299995	-0.0059

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)
3.23	825.499997	-0.0036	847.499999	-0.0012
3.8	825.499997	-0.0036	847.500001	0.0012
4.4	825.500001	0.0012	847.500002	0.0024

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	825.500006	0.0073	847.500008	0.0094
-20	825.500009	0.0109	847.500007	0.0083
-10	825.500001	0.0012	847.500003	0.0035
0	825.500005	0.0061	847.500009	0.0106
10	825.499998	-0.0024	847.499996	-0.0047
20	825.500007	0.0085	847.500007	0.0083
30	825.500003	0.0036	847.499998	-0.0024
40	825.499993	-0.0085	847.499998	-0.0024
50	825.500001	0.0012	847.500001	0.0012
60	825.500002	0.0024	847.500002	0.0024
70	825.500001	0.0012	847.499999	-0.0012
75	825.499998	-0.0024	847.499998	-0.0024

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)
3.23	826.500007	0.0085	846.500006	0.0071
3.8	826.499997	-0.0036	846.499999	-0.0012
4.4	826.499999	-0.0012	846.499999	-0.0012

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	826.499997	-0.0036	846.500002	0.0024
-20	826.499998	-0.0024	846.500001	0.0012
-10	826.500006	0.0073	846.500006	0.0071
0	826.499995	-0.006	846.499996	-0.0047
10	826.499999	-0.0012	846.499997	-0.0035
20	826.500001	0.0012	846.500003	0.0035
30	826.499998	-0.0024	846.499997	-0.0035
40	826.499993	-0.0085	846.499999	-0.0118
50	826.500004	0.0048	846.500007	0.0083
60	826.499992	-0.0097	846.499993	-0.0083
70	826.499999	-0.0121	846.499991	-0.0106
75	826.499991	-0.0109	846.499999	-0.0118

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)
3.23	829.000003	0.0036	844.000002	0.0024
3.8	828.999997	-0.0036	843.999994	-0.0071
4.4	829.000002	0.0024	844.000002	0.0024

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	829.00001	0.0121	844.000006	0.0071
-20	829.00001	0.0121	844.000007	0.0083
-10	828.999999	-0.0012	843.999999	-0.0012
0	829.000008	0.0097	844.000003	0.0036
10	829.000001	0.0012	843.999998	-0.0024
20	829.000005	0.006	844.000001	0.0012
30	829.000004	0.0048	844.000007	0.0083
40	828.999994	-0.0072	843.999992	-0.0095
50	828.999993	-0.0084	843.999995	-0.0059
60	829.000003	0.0036	844.000005	0.0059
70	829.000003	0.0036	844.000005	0.0059
75	828.999999	-0.0012	843.999997	-0.0036

7.8.4 LTE Band 12

LTE Band 12, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	699.699999	-0.0014	715.299994	-0.0084
3.8	699.700001	0.0014	715.299999	-0.0014
4.4	699.700001	0.0014	715.300002	0.0028

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23017 (699.7 MHz)		CH 23173 (715.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	699.700004	0.0057	715.300004	0.0056
-20	699.699999	-0.0143	715.299991	-0.0126
-10	699.699993	-0.01	715.299997	-0.0042
0	699.700005	0.0071	715.300006	0.0084
10	699.700009	0.0129	715.300005	0.007
20	699.700004	0.0057	715.300006	0.0084
30	699.699999	-0.0014	715.299996	-0.0056
40	699.699999	-0.0014	715.300003	0.0042
50	699.699993	-0.01	715.299992	-0.0112
60	699.699991	-0.0129	715.299999	-0.014
70	699.699992	-0.0114	715.299991	-0.0126
75	699.699999	-0.0014	715.299998	-0.0028

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)
3.23	700.499996	-0.0057	714.499997	-0.0042
3.8	700.500002	0.0029	714.499997	-0.0042
4.4	700.499999	-0.0014	714.500003	0.0042

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	700.499991	-0.0128	714.499996	-0.0056
-20	700.499994	-0.0086	714.499991	-0.0126
-10	700.500001	0.0014	714.500005	0.007
0	700.500009	0.0128	714.500006	0.0084
10	700.499997	-0.0043	714.499994	-0.0084
20	700.500006	0.0086	714.500002	0.0028
30	700.499999	-0.0014	714.500003	0.0042
40	700.499995	-0.0071	714.499991	-0.0126
50	700.500008	0.0114	714.500008	0.0112
60	700.500004	0.0057	714.500006	0.0084
70	700.500004	0.0057	714.500007	0.0098
75	700.500002	0.0029	714.499999	-0.0014

LTE Band 12, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	701.500002	0.0029	713.499996	-0.0056
3.8	701.499996	-0.0057	713.499994	-0.0084
4.4	701.500002	0.0029	713.500004	0.0056

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23035 (701.5 MHz)		CH 23155 (713.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	701.500005	0.0071	713.500006	0.0084
-20	701.499991	-0.0128	713.499999	-0.014
-10	701.499994	-0.0086	713.499998	-0.0028
0	701.499996	-0.0057	713.499994	-0.0084
10	701.500005	0.0071	713.500003	0.0042
20	701.499997	-0.0043	713.499998	-0.0028
30	701.500007	0.01	713.500004	0.0056
40	701.500002	0.0029	713.499998	-0.0028
50	701.500001	0.0143	713.500001	0.014
60	701.500009	0.0128	713.500005	0.007
70	701.499992	-0.0114	713.499991	-0.0126
75	701.499993	-0.01	713.499999	-0.014

LTE Band 12, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 23060 (704 MHz)		CH 23130 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	704.000005	0.0071	711.000002	0.0028
3.8	703.999999	-0.0014	710.999997	-0.0042
4.4	704.000004	0.0057	711.000005	0.007

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 23060 (704 MHz)		CH 23130 (711 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	703.999992	-0.0114	710.999992	-0.0113
-20	704.000009	0.0128	711.000007	0.0098
-10	704.000009	0.0128	711.000007	0.0098
0	704.000002	0.0028	711.000007	0.0098
10	704.000005	0.0071	711.000009	0.0127
20	703.999998	-0.0028	710.999996	-0.0056
30	704.000007	0.0099	711.000006	0.0084
40	704.000008	0.0114	711.000003	0.0042
50	703.999993	-0.0099	710.999998	-0.0028
60	704.000002	0.0028	711.000004	0.0056
70	704.000005	0.0071	711.000007	0.0098
75	704.000006	0.0085	711.000004	0.0056

7.8.5 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)
3.23	779.499998	-0.0026	784.499998	-0.0025
3.8	779.499992	-0.0103	784.499991	-0.0115
4.4	779.499997	-0.0038	784.499999	-0.0013

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	779.500005	0.0064	784.500008	0.0102
-20	779.500003	0.0038	784.499999	-0.0013
-10	779.499998	-0.0026	784.499996	-0.0051
0	779.500009	0.0115	784.500001	0.0127
10	779.500003	0.0038	784.499998	-0.0025
20	779.500002	0.0026	784.500004	0.0051
30	779.500009	0.0115	784.500009	0.0115
40	779.500006	0.0077	784.500004	0.0051
50	779.499996	-0.0051	784.499999	-0.0013
60	779.500001	0.0128	784.500008	0.0102
70	779.500002	0.0026	784.500005	0.0064
75	779.499996	-0.0051	784.499999	-0.0013

LTE Band 13, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.23	781.999996	-0.0051
3.8	782.000002	0.0026
4.4	781.999998	-0.0026

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 23230 (782 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	782.000005	0.0064
-20	781.999999	-0.0013
-10	782.000007	0.009
0	782.000001	0.0013
10	782.000005	0.0064
20	782.000007	0.009
30	782.000006	0.0077
40	781.999999	-0.0128
50	781.999997	-0.0038
60	782.000003	0.0038
70	782.000006	0.0077
75	782.000006	0.0077

7.8.6 LTE Band 25

LTE Band 25, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1850.70001	0.0054	1914.300009	0.0047
3.8	1850.699997	-0.0016	1914.300001	0.0005
4.4	1850.700009	0.0049	1914.30001	0.0052

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26047 (1850.7 MHz)		CH 26683 (1914.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1850.700004	0.0022	1914.300001	0.0005
-20	1850.699994	-0.0032	1914.29999	-0.0052
-10	1850.700001	0.0005	1914.300001	0.0005
0	1850.700002	0.0011	1914.300001	0.0005
10	1850.699996	-0.0022	1914.299996	-0.0021
20	1850.700002	0.0011	1914.300006	0.0031
30	1850.699998	-0.0011	1914.299997	-0.0016
40	1850.700004	0.0022	1914.300004	0.0021
50	1850.700002	0.0011	1914.300001	0.0005
60	1850.700008	0.0043	1914.300008	0.0042
70	1850.699991	-0.0049	1914.299994	-0.0031
75	1850.700007	0.0038	1914.300008	0.0042

LTE Band 25, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1851.499999	-0.0005	1913.500001	0.0005
3.8	1851.500009	0.0049	1913.50001	0.0052
4.4	1851.500002	0.0011	1913.500001	0.0005

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26055 (1851.5 MHz)		CH 26675 (1913.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1851.499997	-0.0016	1913.500001	0.0005
-20	1851.499991	-0.0049	1913.499995	-0.0026
-10	1851.499994	-0.0032	1913.499997	-0.0016
0	1851.500008	0.0043	1913.500005	0.0026
10	1851.499999	-0.0005	1913.499996	-0.0021
20	1851.499994	-0.0032	1913.49999	-0.0052
30	1851.499998	-0.0011	1913.499997	-0.0016
40	1851.500006	0.0032	1913.500006	0.0031
50	1851.500004	0.0022	1913.500007	0.0037
60	1851.500004	0.0022	1913.500008	0.0042
70	1851.499996	-0.0022	1913.499994	-0.0031
75	1851.500004	0.0022	1913.500006	0.0031

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)
3.23	1852.500008	0.0043	1912.500007	0.0037
3.8	1852.49999	-0.0054	1912.499991	-0.0047
4.4	1852.500007	0.0038	1912.500007	0.0037

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1852.500002	0.0011	1912.500007	0.0037
-20	1852.499993	-0.0038	1912.499997	-0.0016
-10	1852.500001	0.0005	1912.500001	0.0005
0	1852.499999	-0.0005	1912.499998	-0.001
10	1852.500001	0.0005	1912.499998	-0.001
20	1852.499992	-0.0043	1912.49999	-0.0052
30	1852.500007	0.0038	1912.500006	0.0031
40	1852.499991	-0.0049	1912.49999	-0.0052
50	1852.499999	-0.0005	1912.499999	-0.0005
60	1852.499997	-0.0016	1912.5	0
70	1852.499998	-0.0011	1912.500003	0.0016
75	1852.500003	0.0016	1912.500004	0.0021

LTE Band 25, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1854.999997	-0.0016	1910.000003	0.0016
3.8	1855.000001	0.0005	1910.000003	0.0016
4.4	1855.000003	0.0016	1910.000007	0.0037

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26090 (1855 MHz)		CH 26640 (1910 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1855.000001	0.0005	1910.000001	0.0005
-20	1854.999996	-0.0022	1909.999991	-0.0047
-10	1855.000001	0.0005	1910.000006	0.0031
0	1854.999994	-0.0032	1909.999994	-0.0031
10	1854.999993	-0.0038	1909.999993	-0.0037
20	1854.999994	-0.0032	1909.999992	-0.0042
30	1855.000005	0.0027	1910.000005	0.0026
40	1855.000001	0.0005	1909.999999	-0.0005
50	1855.000005	0.0027	1910.000007	0.0037
60	1855.000007	0.0038	1910.000005	0.0026
70	1855.000005	0.0027	1910.000008	0.0042
75	1855.000006	0.0032	1910.000004	0.0021

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)
3.23	1857.499997	-0.0016	1907.500002	0.001
3.8	1857.500006	0.0032	1907.500008	0.0042
4.4	1857.499991	-0.0048	1907.499992	-0.0042

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1857.500008	0.0043	1907.500006	0.0031
-20	1857.500003	0.0016	1907.499998	-0.001
-10	1857.500009	0.0048	1907.500006	0.0031
0	1857.500002	0.0011	1907.500001	0.0005
10	1857.499993	-0.0038	1907.499991	-0.0047
20	1857.500008	0.0043	1907.500004	0.0021
30	1857.499992	-0.0043	1907.499991	-0.0047
40	1857.500001	0.0005	1907.500001	0.0005
50	1857.499998	-0.0011	1907.500002	0.001
60	1857.499993	-0.0038	1907.499999	-0.0052
70	1857.499997	-0.0016	1907.499996	-0.0021
75	1857.500006	0.0032	1907.500005	0.0026

LTE Band 25, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1859.999999	-0.0005	1905.000001	0.0005
3.8	1860.000008	0.0043	1905.000006	0.0031
4.4	1860.000002	0.0011	1905.000003	0.0016

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26140 (1860 MHz)		CH 26590 (1905 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1859.999991	-0.0048	1904.999992	-0.0042
-20	1859.99999	-0.0054	1904.999995	-0.0026
-10	1860.000001	0.0005	1904.999998	-0.001
0	1860.000004	0.0022	1904.999997	-0.0016
10	1859.999996	-0.0022	1904.999999	-0.0005
20	1859.999997	-0.0016	1904.999997	-0.0016
30	1859.999999	-0.0005	1905.000002	0.001
40	1860.000004	0.0022	1905.000001	0.0005
50	1860.000002	0.0011	1904.999998	-0.001
60	1860.000008	0.0043	1905.000001	0.0052
70	1859.999998	-0.0011	1905.000004	0.0021
75	1859.999991	-0.0048	1904.999994	-0.0031

7.8.7 LTE Band 26 (814 MHz ~ 824 MHz)

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26697 (814.7 MHz)		CH 26783 (823.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	814.69999	-0.0123	823.29999	-0.0121
3.8	814.699997	-0.0037	823.300001	0.0012
4.4	814.70001	0.0123	823.300008	0.0097

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26697 (814.7 MHz)		CH 26783 (823.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	814.700004	0.0049	823.300007	0.0085
-20	814.70001	0.0123	823.30001	0.0121
-10	814.700001	0.0012	823.300002	0.0024
0	814.700001	0.0012	823.300002	0.0024
10	814.699992	-0.0098	823.29999	-0.0121
20	814.699993	-0.0086	823.299993	-0.0085
30	814.700001	0.0012	823.300002	0.0024
40	814.699999	-0.0012	823.300003	0.0036
50	814.699994	-0.0074	823.29999	-0.0121
60	814.700005	0.0061	823.300004	0.0049
70	814.699999	-0.0012	823.300003	0.0036
75	814.699998	-0.0025	823.299998	-0.0024

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26705 (815.5 MHz)		CH 26775 (822.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	815.500005	0.0061	822.500007	0.0085
3.8	815.499997	-0.0037	822.499998	-0.0024
4.4	815.499992	-0.0098	822.499991	-0.0109

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26705 (815.5 MHz)		CH 26775 (822.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	815.500006	0.0074	822.500001	0.0012
-20	815.500002	0.0025	822.500007	0.0085
-10	815.500001	0.0012	822.499996	-0.0049
0	815.499997	-0.0037	822.500001	0.0012
10	815.499998	-0.0025	822.499999	-0.0012
20	815.500003	0.0037	822.500003	0.0036
30	815.500003	0.0037	822.500004	0.0049
40	815.500003	0.0037	822.500006	0.0073
50	815.500009	0.011	822.500008	0.0097
60	815.499999	-0.0012	822.500001	0.0012
70	815.500007	0.0086	822.500005	0.0061
75	815.500002	0.0025	822.499999	-0.0012

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26715 (816.5 MHz)		CH 26765 (821.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	816.50001	0.0122	821.500005	0.0061
3.8	816.500003	0.0037	821.500006	0.0073
4.4	816.499993	-0.0086	821.499991	-0.011

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26715 (816.5 MHz)		CH 26765 (821.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	816.499992	-0.0098	821.499994	-0.0073
-20	816.500002	0.0024	821.500003	0.0037
-10	816.500002	0.0024	821.500004	0.0049
0	816.499998	-0.0024	821.499998	-0.0024
10	816.500003	0.0037	821.500008	0.0097
20	816.500001	0.0012	821.499997	-0.0037
30	816.500001	0.0012	821.499999	-0.0012
40	816.499998	-0.0024	821.499995	-0.0061
50	816.500004	0.0049	821.500002	0.0024
60	816.500007	0.0086	821.500001	0.0122
70	816.499999	-0.0012	821.499997	-0.0037
75	816.500003	0.0037	821.500003	0.0037

LTE Band 26 (814 MHz ~ 824 MHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.23	818.999996	-0.0049
3.8	819.000001	0.0012
4.4	819.000005	0.0061

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-30	818.999998	-0.0024
-20	818.999998	-0.0024
-10	818.999993	-0.0085
0	818.999993	-0.0085
10	819.000004	0.0049
20	819.000007	0.0085
30	818.999992	-0.0098
40	819.000003	0.0037
50	818.999999	-0.0122
60	819.000002	0.0024
70	818.999992	-0.0098
75	818.999999	-0.0012

7.8.8 LTE Band 26 (824 MHz ~ 849 MHz)

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	824.700003	0.0036	848.300002	0.0024
3.8	824.699998	-0.0024	848.299996	-0.0047
4.4	824.700002	0.0024	848.300003	0.0035

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26797 (824.7 MHz)		CH 27033 (848.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	824.70001	0.0121	848.300007	0.0083
-20	824.699993	-0.0085	848.299993	-0.0083
-10	824.700001	0.0012	848.300004	0.0047
0	824.700009	0.0109	848.300005	0.0059
10	824.700002	0.0024	848.299999	-0.0012
20	824.700006	0.0073	848.300002	0.0024
30	824.700004	0.0049	848.300007	0.0083
40	824.699994	-0.0073	848.299993	-0.0083
50	824.699993	-0.0085	848.299996	-0.0047
60	824.700003	0.0036	848.300005	0.0059
70	824.700003	0.0036	848.300005	0.0059
75	824.699999	-0.0012	848.299997	-0.0035

LTE Band 26 (824 MHz ~ 849 MHz), 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)
3.23	825.499999	-0.0012	847.499994	-0.0071
3.8	825.500001	0.0012	847.499999	-0.0012
4.4	825.500002	0.0024	847.500004	0.0047

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	825.500004	0.0048	847.500004	0.0047
-20	825.499991	-0.0109	847.499992	-0.0094
-10	825.499991	-0.0109	847.499993	-0.0083
0	825.500003	0.0036	847.500002	0.0024
10	825.500006	0.0073	847.500007	0.0083
20	825.499999	-0.0012	847.500001	0.0012
30	825.500009	0.0109	847.500001	0.0118
40	825.500002	0.0024	847.500001	0.0012
50	825.499992	-0.0097	847.499993	-0.0083
60	825.499991	-0.0109	847.499996	-0.0047
70	825.499994	-0.0073	847.499994	-0.0071
75	825.499995	-0.0061	847.499993	-0.0083

LTE Band 26 (824 MHz ~ 849 MHz), 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)
3.23	826.500007	0.0085	846.500008	0.0095
3.8	826.500001	0.0012	846.500003	0.0035
4.4	826.500006	0.0073	846.500008	0.0095

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	826.499993	-0.0085	846.499994	-0.0071
-20	826.499991	-0.0109	846.499995	-0.0059
-10	826.499998	-0.0024	846.500002	0.0024
0	826.499992	-0.0097	846.499996	-0.0047
10	826.500002	0.0024	846.499999	-0.0012
20	826.500009	0.0109	846.500007	0.0083
30	826.500002	0.0024	846.499997	-0.0035
40	826.499997	-0.0036	846.499995	-0.0059
50	826.499991	-0.0109	846.499993	-0.0083
60	826.500007	0.0085	846.500004	0.0047
70	826.500008	0.0097	846.500009	0.0106
75	826.500002	0.0024	846.500001	0.0012

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26840 (829 MHz)		CH 26990 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	828.999994	-0.0072	843.999994	-0.0071
3.8	828.999999	-0.0012	844.000002	0.0024
4.4	829.000007	0.0084	844.00001	0.0118

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26840 (829 MHz)		CH 26990 (844 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	828.999994	-0.0072	843.999994	-0.0071
-20	828.999997	-0.0036	843.999992	-0.0095
-10	829.000004	0.0048	844.000006	0.0071
0	828.999993	-0.0084	843.999995	-0.0059
10	829.000006	0.0072	844.000001	0.0012
20	828.999995	-0.006	843.999996	-0.0047
30	829.000008	0.0097	844.00001	0.0118
40	828.999998	-0.0024	844.000002	0.0024
50	828.999997	-0.0036	843.999995	-0.0059
60	829.000007	0.0084	844.000004	0.0047
70	829.000002	0.0024	844.000002	0.0024
75	828.999998	-0.0024	844.000002	0.0024

LTE Band 26 (824 MHz ~ 849 MHz), Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	831.499998	-0.0024	841.499999	-0.0012
3.8	831.500001	0.0012	841.500003	0.0036
4.4	831.500006	0.0072	841.500003	0.0036

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 26865 (831.5 MHz)		CH 26965 (841.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	831.500003	0.0036	841.499999	-0.0012
-20	831.500009	0.0108	841.500007	0.0083
-10	831.499999	-0.0012	841.500001	0.0012
0	831.499993	-0.0084	841.499997	-0.0036
10	831.499992	-0.0096	841.499992	-0.0095
20	831.499999	-0.0012	841.499994	-0.0071
30	831.499991	-0.0108	841.499993	-0.0083
40	831.499991	-0.0108	841.499999	-0.0119
50	831.500004	0.0048	841.500008	0.0095
60	831.500008	0.0096	841.500005	0.0059
70	831.499998	-0.0024	841.499998	-0.0024
75	831.500004	0.0048	841.500002	0.0024

7.8.9 LTE Band 38

LTE Band 38, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37775 (2572.5 MHz)		CH 38225 (2617.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2572.500002	0.0008	2617.500002	0.0008
3.8	2572.500006	0.0023	2617.500001	0.0038
4.4	2572.500009	0.0035	2617.500008	0.0031

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37775 (2572.5 MHz)		CH 38225 (2617.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2572.500001	0.0004	2617.500001	0.0004
-20	2572.499992	-0.0031	2617.499994	-0.0023
-10	2572.500006	0.0023	2617.500003	0.0011
0	2572.500005	0.0019	2617.500008	0.0031
10	2572.499992	-0.0031	2617.499994	-0.0023
20	2572.500009	0.0035	2617.500008	0.0031
30	2572.499999	-0.0004	2617.500004	0.0015
40	2572.499993	-0.0027	2617.499992	-0.0031
50	2572.500008	0.0031	2617.500006	0.0023
60	2572.500008	0.0031	2617.500007	0.0027
70	2572.500004	0.0016	2617.500001	0.0004
75	2572.500004	0.0016	2617.500008	0.0031

LTE Band 38, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37800 (2575 MHz)		CH 38200 (2615 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2575.000006	0.0023	2615.000003	0.0011
3.8	2575.000007	0.0027	2615.000005	0.0019
4.4	2575.000009	0.0035	2615.000006	0.0023

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37800 (2575 MHz)		CH 38200 (2615 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2574.999996	-0.0016	2615.000002	0.0008
-20	2574.999993	-0.0027	2614.999993	-0.0027
-10	2575.000005	0.0019	2615.000009	0.0034
0	2575.000009	0.0035	2615.000005	0.0019
10	2575.000002	0.0008	2615.000002	0.0008
20	2574.999991	-0.0035	2614.99999	-0.0038
30	2574.999994	-0.0023	2614.999993	-0.0027
40	2574.999993	-0.0027	2614.999996	-0.0015
50	2575.000004	0.0016	2615.000006	0.0023
60	2575.000003	0.0012	2615.000006	0.0023
70	2574.999999	-0.0004	2615.000004	0.0015
75	2575.000005	0.0019	2615.000004	0.0015

LTE Band 38, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37825 (2577.5 MHz)		CH 38175 (2612.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2577.500001	0.0004	2612.500002	0.0008
3.8	2577.500007	0.0027	2612.500009	0.0034
4.4	2577.500004	0.0016	2612.500005	0.0019

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37825 (2577.5 MHz)		CH 38175 (2612.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2577.499991	-0.0035	2612.499992	-0.0031
-20	2577.499994	-0.0023	2612.49999	-0.0038
-10	2577.500006	0.0023	2612.500007	0.0027
0	2577.500001	0.0039	2612.500006	0.0023
10	2577.500005	0.0019	2612.500007	0.0027
20	2577.500002	0.0008	2612.500002	0.0008
30	2577.49999	-0.0039	2612.500002	0.0008
40	2577.500009	0.0035	2612.500008	0.0031
50	2577.500005	0.0019	2612.500001	0.0038
60	2577.500005	0.0019	2612.500007	0.0027
70	2577.500002	0.0008	2612.500006	0.0023
75	2577.500008	0.0031	2612.500006	0.0023

LTE Band 38, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37850 (2580 MHz)		CH 38150 (2610 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2579.99999	-0.0039	2609.999992	-0.0031
3.8	2579.999995	-0.0019	2609.999995	-0.0019
4.4	2580.000006	0.0023	2610.000009	0.0034

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37850 (2580 MHz)		CH 38150 (2610 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2579.999995	-0.0019	2609.999993	-0.0027
-20	2579.999999	-0.0004	2610.000003	0.0011
-10	2580.000001	0.0004	2609.999997	-0.0011
0	2579.999998	-0.0008	2610.000001	0.0004
10	2580.000008	0.0031	2610.000006	0.0023
20	2579.999998	-0.0008	2609.999995	-0.0019
30	2580.000006	0.0023	2610.000008	0.0031
40	2580.000005	0.0019	2610.000007	0.0027
50	2580.000006	0.0023	2610.000006	0.0023
60	2579.999998	-0.0008	2609.999998	-0.0008
70	2579.999992	-0.0031	2609.999993	-0.0027
75	2579.999997	-0.0012	2609.999998	-0.0008

7.8.10 LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 39675 (2498.5 MHz)		CH 41565 (2687.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2498.500004	0.0016	2687.500007	0.0026
3.8	2498.500002	0.0008	2687.499998	-0.0007
4.4	2498.500003	0.0012	2687.500001	0.0004

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 39675 (2498.5 MHz)		CH 41565 (2687.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2498.500009	0.0036	2687.500007	0.0026
-20	2498.499991	-0.0036	2687.499994	-0.0022
-10	2498.500003	0.0012	2687.500007	0.0026
0	2498.499993	-0.0028	2687.499996	-0.0015
10	2498.500006	0.0024	2687.500006	0.0022
20	2498.499996	-0.0016	2687.499999	-0.0004
30	2498.499995	-0.002	2687.499995	-0.0019
40	2498.500005	0.002	2687.500004	0.0015
50	2498.500005	0.002	2687.500005	0.0019
60	2498.500001	0.0004	2687.499996	-0.0015
70	2498.500006	0.0024	2687.500009	0.0033
75	2498.500003	0.0012	2687.500008	0.003

LTE Band 41, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 39700 (2501 MHz)		CH 41540 (2685 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2501.000009	0.0036	2685.000008	0.003
3.8	2501.000006	0.0024	2685.000004	0.0015
4.4	2500.999998	-0.0008	2684.999996	-0.0015

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 39700 (2501 MHz)		CH 41540 (2685 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2501.000001	0.0004	2685.000002	0.0007
-20	2501.000008	0.0032	2685.000006	0.0022
-10	2500.999996	-0.0016	2684.999996	-0.0015
0	2501.000004	0.0016	2685.000005	0.0019
10	2500.999993	-0.0028	2684.999993	-0.0026
20	2501.000006	0.0024	2685.000003	0.0011
30	2501.000001	0.0004	2685.000001	0.0004
40	2500.999995	-0.002	2684.999999	-0.0004
50	2500.999991	-0.0036	2684.999995	-0.0019
60	2500.999992	-0.0032	2684.999995	-0.0019
70	2501.000004	0.0016	2685.000007	0.0026
75	2500.999998	-0.0008	2685	0

LTE Band 41, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 39725 (2503.5 MHz)		CH 41515 (2682.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2503.500003	0.0012	2682.500008	0.003
3.8	2503.499991	-0.0036	2682.499992	-0.003
4.4	2503.499998	-0.0008	2682.500001	0.0004

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 39725 (2503.5 MHz)		CH 41515 (2682.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	2503.500001	0.0004	2682.500005	0.0019
-20	2503.500002	0.0008	2682.500001	0.0004
-10	2503.500009	0.0036	2682.500009	0.0034
0	2503.500002	0.0008	2682.500006	0.0022
10	2503.499991	-0.0036	2682.499991	-0.0034
20	2503.500005	0.002	2682.500005	0.0019
30	2503.499994	-0.0024	2682.499996	-0.0015
40	2503.499993	-0.0028	2682.499996	-0.0015
50	2503.499997	-0.0012	2682.499999	-0.0004
60	2503.499998	-0.0008	2682.499998	-0.0007
70	2503.500009	0.0036	2682.500009	0.0034
75	2503.500004	0.0016	2682.500005	0.0019

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)
3.23	2506.000009	0.0036	2680.00001	0.0037
3.8	2505.999991	-0.0036	2679.999996	-0.0015
4.4	2505.999994	-0.0024	2679.999994	-0.0022

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	2506.000006	0.0024	2680.000003	0.0011
-20	2506.00001	0.004	2680.000007	0.0026
-10	2506.000003	0.0012	2680.000003	0.0011
0	2505.999992	-0.0032	2679.99999	-0.0037
10	2505.999995	-0.002	2679.999994	-0.0022
20	2505.999994	-0.0024	2679.999997	-0.0011
30	2506.00001	0.004	2680.000008	0.003
40	2505.999991	-0.0036	2679.999991	-0.0034
50	2506.000003	0.0012	2680.000006	0.0022
60	2505.999997	-0.0012	2679.999998	-0.0007
70	2506.000002	0.0008	2680.000006	0.0022
75	2506.000009	0.0036	2680.000004	0.0015

7.8.11 LTE Band 42 (3450-3550 MHz)

LTE Band 42 (3450-3550 MHz), Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 42115 (3452.5 MHz)		CH 43065 (3547.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	3452.500007	0.002	3547.500005	0.0014
3.8	3452.500003	0.0009	3547.500003	0.0008
4.4	3452.499994	-0.0017	3547.499997	-0.0008

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 42115 (3452.5 MHz)		CH 43065 (3547.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3452.500008	0.0023	3547.500006	0.0017
-20	3452.500007	0.002	3547.500009	0.0025
-10	3452.500008	0.0023	3547.500006	0.0017
0	3452.499995	-0.0014	3547.499993	-0.002
10	3452.500006	0.0017	3547.500006	0.0017
20	3452.500005	0.0014	3547.500001	0.0003
30	3452.500004	0.0012	3547.500001	0.0003
40	3452.500001	0.0003	3547.499996	-0.0011
50	3452.500001	0.0003	3547.500003	0.0008
60	3452.500003	0.0009	3547.500008	0.0023
70	3452.500003	0.0009	3547.499999	-0.0003
75	3452.500006	0.0017	3547.500002	0.0006

LTE Band 42 (3450-3550 MHz), Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 42140 (3455 MHz)		CH 43040 (3545 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	3454.999991	-0.0026	3544.999994	-0.0017
3.8	3455.000007	0.002	3545.000002	0.0006
4.4	3454.999991	-0.0026	3544.999991	-0.0025

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 42140 (3455 MHz)		CH 43040 (3545 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3454.999994	-0.0017	3544.999997	-0.0008
-20	3455.000009	0.0026	3545.000007	0.002
-10	3454.999999	-0.0003	3544.999996	-0.0011
0	3455.000007	0.002	3545.000001	0.0028
10	3455.000006	0.0017	3545.000008	0.0023
20	3455.000007	0.002	3545.000008	0.0023
30	3455.000004	0.0012	3545.000007	0.002
40	3454.999993	-0.002	3544.999995	-0.0014
50	3455.000003	0.0009	3545.000008	0.0023
60	3455.000005	0.0014	3545.000008	0.0023
70	3455.000003	0.0009	3544.999999	-0.0003
75	3455.000004	0.0012	3545.000002	0.0006

LTE Band 42 (3450-3550 MHz), Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 42165 (3457.5 MHz)		CH 43015 (3542.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	3457.499995	-0.0014	3542.499999	-0.0003
3.8	3457.500003	0.0009	3542.499999	-0.0003
4.4	3457.500008	0.0023	3542.50001	0.0028

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 42165 (3457.5 MHz)		CH 43015 (3542.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3457.500009	0.0026	3542.500006	0.0017
-20	3457.500007	0.002	3542.50001	0.0028
-10	3457.500002	0.0006	3542.500003	0.0008
0	3457.499992	-0.0023	3542.49999	-0.0028
10	3457.500001	0.0003	3542.499996	-0.0011
20	3457.499999	-0.0003	3542.499994	-0.0017
30	3457.500001	0.0003	3542.500003	0.0008
40	3457.500001	0.0003	3542.499995	-0.0014
50	3457.500006	0.0017	3542.500008	0.0023
60	3457.499991	-0.0026	3542.499996	-0.0011
70	3457.499998	-0.0006	3542.499994	-0.0017
75	3457.499991	-0.0026	3542.499994	-0.0017

LTE Band 42 (3450-3550 MHz), Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 42190 (3460 MHz)		CH 42990 (3540 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	3460.000003	0.0009	3539.999999	-0.0003
3.8	3459.999992	-0.0023	3539.99999	-0.0028
4.4	3460.000005	0.0014	3540.000004	0.0011

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 42190 (3460 MHz)		CH 42990 (3540 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	3460.000009	0.0026	3540.000006	0.0017
-20	3460.000007	0.002	3540.000008	0.0023
-10	3460.000002	0.0006	3539.999998	-0.0006
0	3460.000008	0.0023	3540.000008	0.0023
10	3460.000006	0.0017	3540.000001	0.0028
20	3460.000002	0.0006	3540.000002	0.0006
30	3460.000002	0.0006	3539.999999	-0.0003
40	3460.000004	0.0012	3540.000003	0.0008
50	3460.000005	0.0014	3540.000008	0.0023
60	3460.000007	0.002	3540.000009	0.0025
70	3459.999994	-0.0017	3539.999996	-0.0011
75	3459.999997	-0.0009	3539.999992	-0.0023

7.8.12 LTE Band 66

LTE Band 66, Channel Bandwidth: 1.4 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 131979 (1710.7 MHz)		CH 132665 (1779.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1710.700009	0.0053	1779.30001	0.0056
3.8	1710.700009	0.0053	1779.300006	0.0034
4.4	1710.699994	-0.0035	1779.299998	-0.0011

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 131979 (1710.7 MHz)		CH 132665 (1779.3 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1710.700008	0.0047	1779.300009	0.0051
-20	1710.699997	-0.0018	1779.300001	0.0006
-10	1710.699997	-0.0018	1779.299998	-0.0011
0	1710.700007	0.0041	1779.300007	0.0039
10	1710.700006	0.0035	1779.300004	0.0022
20	1710.699997	-0.0018	1779.300001	0.0006
30	1710.700003	0.0018	1779.300004	0.0022
40	1710.699999	-0.0006	1779.300002	0.0011
50	1710.700005	0.0029	1779.300002	0.0011
60	1710.700002	0.0012	1779.299998	-0.0011
70	1710.699994	-0.0035	1779.299999	-0.0056
75	1710.699997	-0.0018	1779.299996	-0.0022

LTE Band 66, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 131987 (1711.5 MHz)		CH 132657 (1778.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1711.500004	0.0023	1778.500002	0.0011
3.8	1711.499993	-0.0041	1778.499991	-0.0051
4.4	1711.500001	0.0006	1778.499999	-0.0006

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 131987 (1711.5 MHz)		CH 132657 (1778.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1711.500001	0.0058	1778.500008	0.0045
-20	1711.500003	0.0018	1778.499998	-0.0011
-10	1711.499998	-0.0012	1778.499996	-0.0022
0	1711.499992	-0.0047	1778.499994	-0.0034
10	1711.500007	0.0041	1778.500002	0.0011
20	1711.500009	0.0053	1778.500006	0.0034
30	1711.499995	-0.0029	1778.499995	-0.0028
40	1711.500001	0.0006	1778.500003	0.0017
50	1711.500007	0.0041	1778.500008	0.0045
60	1711.499995	-0.0029	1778.499995	-0.0028
70	1711.499998	-0.0012	1778.499994	-0.0034
75	1711.500005	0.0029	1778.500008	0.0045

LTE Band 66, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 131997 (1712.5 MHz)		CH 132647 (1777.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1712.499993	-0.0041	1777.499995	-0.0028
3.8	1712.500006	0.0035	1777.500002	0.0011
4.4	1712.499995	-0.0029	1777.499997	-0.0017

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 131997 (1712.5 MHz)		CH 132647 (1777.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1712.500009	0.0053	1777.500007	0.0039
-20	1712.500009	0.0053	1777.500008	0.0045
-10	1712.499997	-0.0018	1777.500001	0.0006
0	1712.500001	0.0006	1777.500005	0.0028
10	1712.500002	0.0012	1777.500004	0.0023
20	1712.499994	-0.0035	1777.499996	-0.0023
30	1712.500008	0.0047	1777.500005	0.0028
40	1712.499992	-0.0047	1777.499992	-0.0045
50	1712.500009	0.0053	1777.500008	0.0045
60	1712.499995	-0.0029	1777.499992	-0.0045
70	1712.499998	-0.0012	1777.500001	0.0006
75	1712.499999	-0.0058	1777.499992	-0.0045

LTE Band 66, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 132022 (1715 MHz)		CH 132622 (1775 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1715.000002	0.0012	1775.000001	0.0006
3.8	1714.99999	-0.0058	1774.999992	-0.0045
4.4	1714.999995	-0.0029	1774.999997	-0.0017

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 132022 (1715 MHz)		CH 132622 (1775 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1715.000007	0.0041	1775.00001	0.0056
-20	1714.999998	-0.0012	1775.000002	0.0011
-10	1715.000003	0.0017	1775.000008	0.0045
0	1714.999991	-0.0052	1774.999992	-0.0045
10	1714.999998	-0.0012	1775.000002	0.0011
20	1715.000001	0.0006	1774.999999	-0.0006
30	1715.000008	0.0047	1775.000005	0.0028
40	1715.000008	0.0047	1775.00001	0.0056
50	1714.999992	-0.0047	1774.999993	-0.0039
60	1715.000002	0.0012	1774.999998	-0.0011
70	1714.999996	-0.0023	1774.999996	-0.0023
75	1714.999991	-0.0052	1774.99999	-0.0056

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)
3.23	1717.499991	-0.0052	1772.499991	-0.0051
3.8	1717.500007	0.0041	1772.500006	0.0034
4.4	1717.500007	0.0041	1772.500003	0.0017

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	1717.500009	0.0052	1772.500007	0.0039
-20	1717.500001	0.0058	1772.500009	0.0051
-10	1717.499992	-0.0047	1772.499999	-0.0056
0	1717.499999	-0.0006	1772.499998	-0.0011
10	1717.500002	0.0012	1772.500006	0.0034
20	1717.499994	-0.0035	1772.499992	-0.0045
30	1717.499997	-0.0017	1772.499997	-0.0017
40	1717.499999	-0.0058	1772.499994	-0.0034
50	1717.499999	-0.0006	1772.499999	-0.0006
60	1717.499993	-0.0041	1772.499991	-0.0051
70	1717.500002	0.0012	1772.500005	0.0028
75	1717.500002	0.0012	1772.499999	-0.0006

LTE Band 66, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 132072 (1720 MHz)		CH 132572 (1770 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	1719.999992	-0.0047	1769.999994	-0.0034
3.8	1719.999993	-0.0041	1769.999997	-0.0017
4.4	1719.99999	-0.0058	1769.999993	-0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 132072 (1720 MHz)		CH 132572 (1770 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	1720.00001	0.0058	1770.000008	0.0045
-20	1720.00001	0.0058	1770.00001	0.0056
-10	1719.99999	-0.0058	1769.999991	-0.0051
0	1720.000001	0.0006	1769.999998	-0.0011
10	1720.00001	0.0058	1770.000009	0.0051
20	1719.999994	-0.0035	1769.999995	-0.0028
30	1720.000001	0.0006	1769.999997	-0.0017
40	1719.999993	-0.0041	1769.999997	-0.0017
50	1720.000008	0.0047	1770.000007	0.004
60	1720.000002	0.0012	1770.000005	0.0028
70	1719.999998	-0.0012	1770.000001	0.0006
75	1719.999997	-0.0017	1769.999998	-0.0011

7.8.13 LTE Band 71

LTE Band 71, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 133147 (665.5 MHz)		CH 133447 (695.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	665.500008	0.012	695.500004	0.0058
3.8	665.500008	0.012	695.500003	0.0043
4.4	665.499992	-0.012	695.499995	-0.0072

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 133147 (665.5 MHz)		CH 133447 (695.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	665.499993	-0.0105	695.499992	-0.0115
-20	665.500001	0.0015	695.499999	-0.0014
-10	665.500003	0.0045	695.500008	0.0115
0	665.50001	0.015	695.500009	0.0129
10	665.499998	-0.003	695.499999	-0.0014
20	665.499991	-0.0135	695.499993	-0.0101
30	665.499995	-0.0075	695.499996	-0.0058
40	665.499994	-0.009	695.499992	-0.0115
50	665.500004	0.006	695.500007	0.0101
60	665.500003	0.0045	695.500001	0.0014
70	665.499993	-0.0105	695.499999	-0.0144
75	665.499992	-0.012	695.499993	-0.0101

LTE Band 71, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 133172 (668 MHz)		CH 133422 (693 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	668.000006	0.009	693.00001	0.0144
3.8	668.000001	0.0015	692.999995	-0.0072
4.4	668.000005	0.0075	693.000001	0.0014

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 133172 (668 MHz)		CH 133422 (693 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	667.999993	-0.0105	692.99999	-0.0144
-20	667.999991	-0.0135	692.999991	-0.013
-10	667.999991	-0.0135	692.999993	-0.0101
0	667.999997	-0.0045	692.999995	-0.0072
10	667.999991	-0.0135	692.99999	-0.0144
20	667.999995	-0.0075	692.999991	-0.013
30	667.999997	-0.0045	692.999997	-0.0043
40	667.999994	-0.009	692.999991	-0.013
50	668.000009	0.0135	693.000005	0.0072
60	667.999993	-0.0105	692.999996	-0.0058
70	667.999993	-0.0105	692.999997	-0.0043
75	668.000009	0.0135	693.000009	0.013

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)
3.23	670.499995	-0.0075	690.499992	-0.0116
3.8	670.499991	-0.0134	690.49999	-0.0145
4.4	670.499997	-0.0045	690.500001	0.0014

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 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	670.499994	-0.0089	690.499996	-0.0058
-20	670.500006	0.0089	690.500008	0.0116
-10	670.500009	0.0134	690.500004	0.0058
0	670.499996	-0.006	690.499998	-0.0029
10	670.499999	-0.0015	690.500001	0.0014
20	670.500007	0.0104	690.500009	0.013
30	670.499996	-0.006	690.499997	-0.0043
40	670.500009	0.0134	690.500008	0.0116
50	670.500005	0.0075	690.500006	0.0087
60	670.499998	-0.003	690.499993	-0.0101
70	670.499994	-0.0089	690.499991	-0.013
75	670.499993	-0.0104	690.499991	-0.013

LTE Band 71, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 133222 (673 MHz)		CH 133372 (688 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	673.00001	0.0149	688.00001	0.0145
3.8	673.000001	0.0015	688.000004	0.0058
4.4	673.000006	0.0089	688.000002	0.0029

Note: The applicant defined the normal working voltage is from 3.23 to 4.4 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 133222 (673 MHz)		CH 133372 (688 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-30	672.999994	-0.0089	687.999991	-0.0131
-20	672.999992	-0.0119	687.999993	-0.0102
-10	673.000007	0.0104	688.000009	0.0131
0	672.999998	-0.003	687.999994	-0.0087
10	672.999992	-0.0119	687.999992	-0.0116
20	672.999991	-0.0134	687.999995	-0.0073
30	673.000002	0.003	687.999997	-0.0044
40	672.999995	-0.0074	687.999999	-0.0145
50	673.000005	0.0074	688.000003	0.0044
60	673.000004	0.0059	688.000006	0.0087
70	672.999994	-0.0089	687.999998	-0.0029
75	672.999994	-0.0089	687.999998	-0.0029

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.

If you have any comments, please feel free to contact us at the following:

Lin Kou EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@bureauveritas.com

Web Site: <http://ee.bureauveritas.com.tw>

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

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