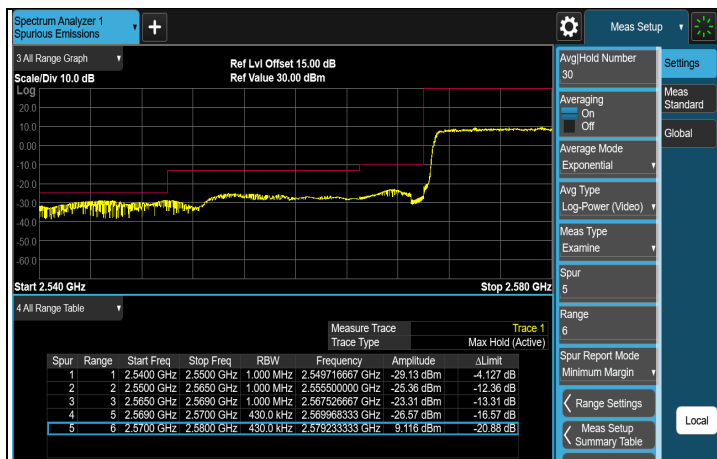
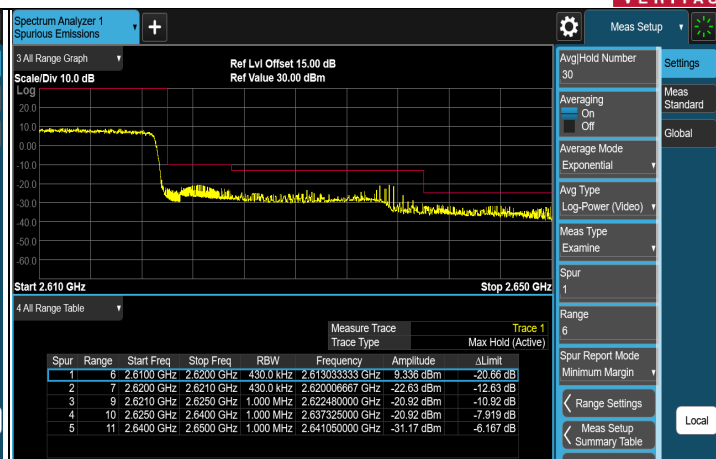
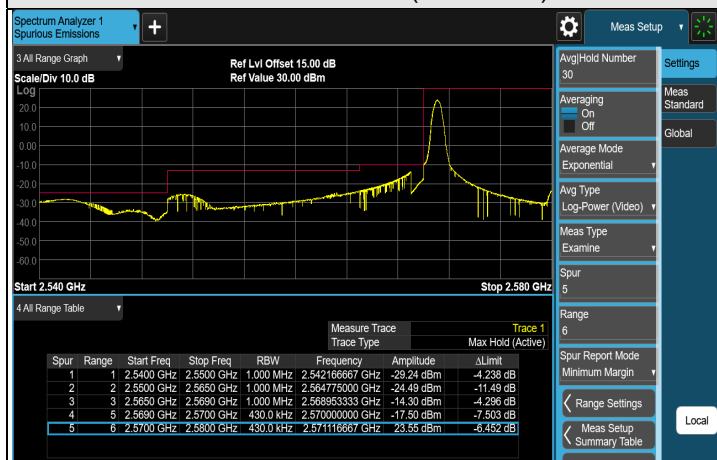




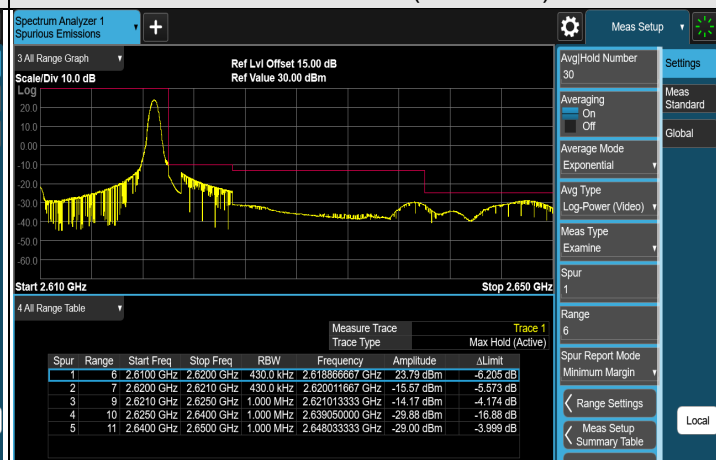
FULL CH 37850 (2580 MHz)



FULL CH 38150 (2610 MHz)



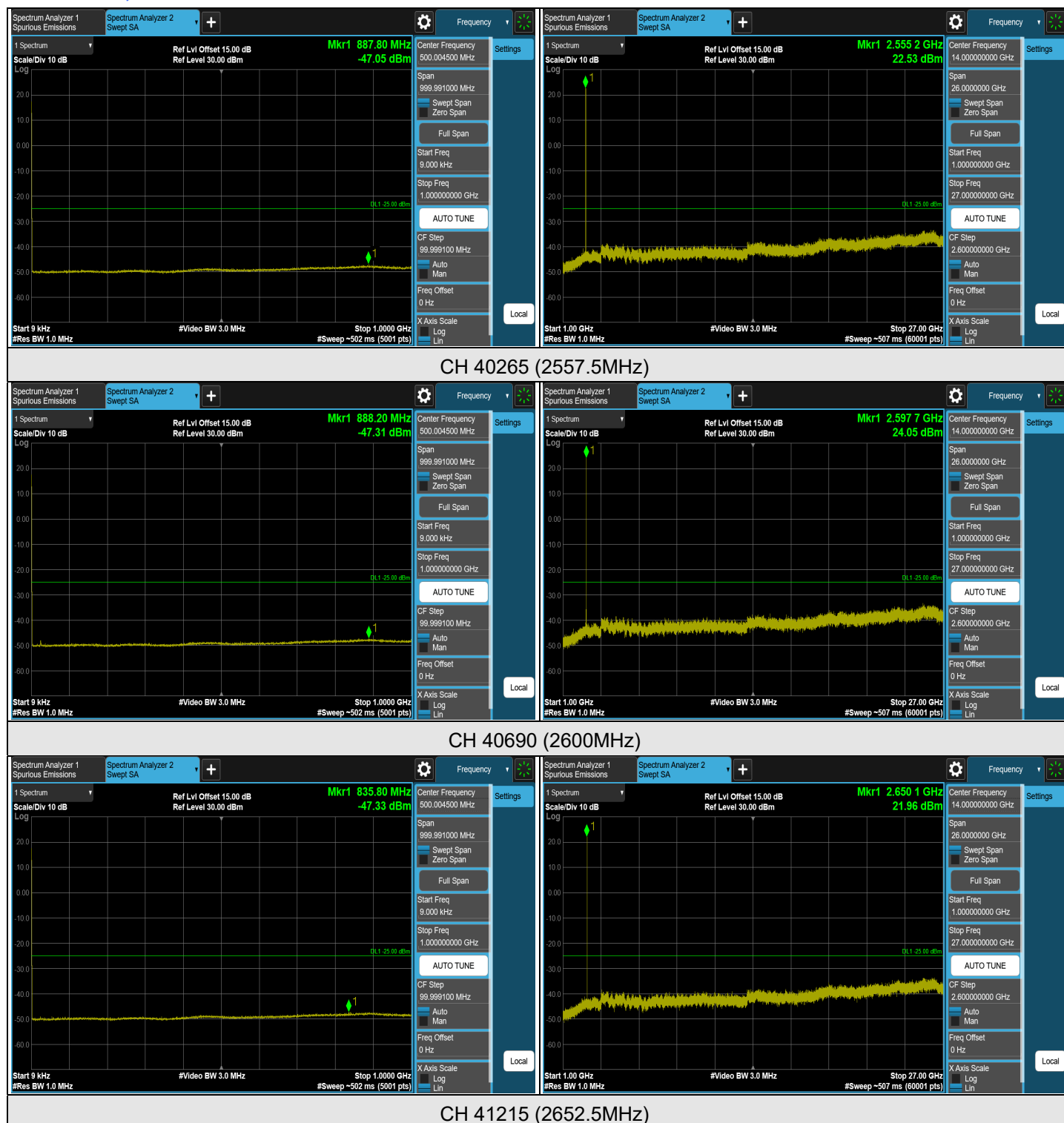
1RB CH 37850 (2580 MHz)



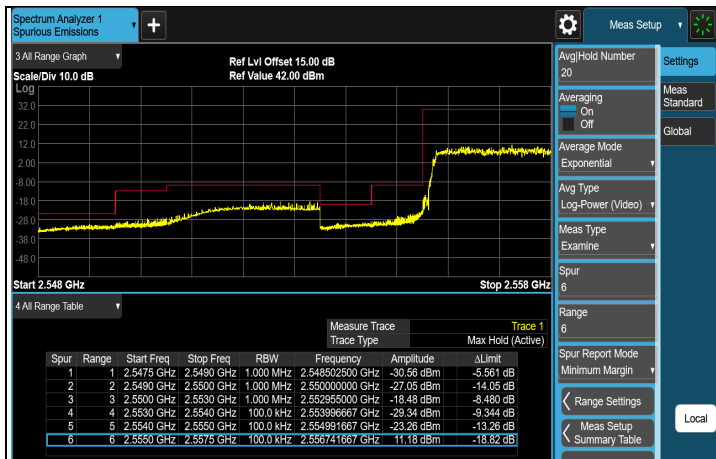
1RB CH 38150 (2610 MHz)

7.5.7 LTE Band 41

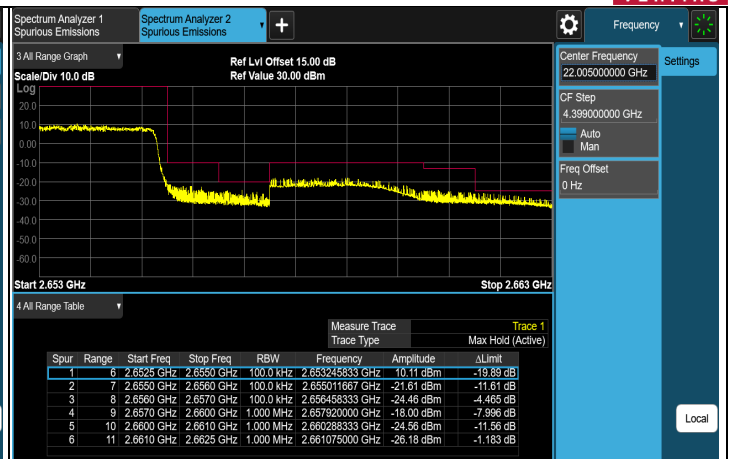
LTE Band 41, Channel Bandwidth: 5 MHz



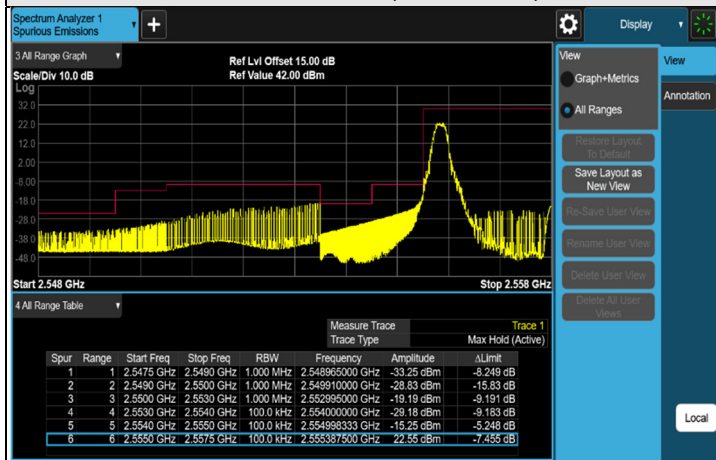
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



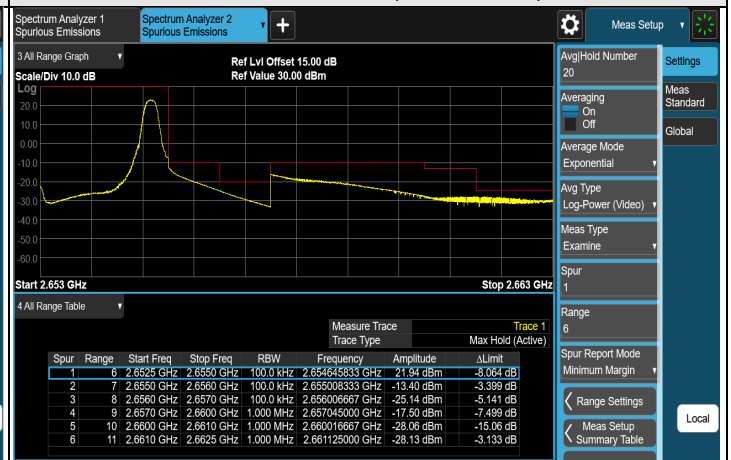
FULL CH 40265 (2557.5MHz)



FULL CH 41215 (2652.5MHz)

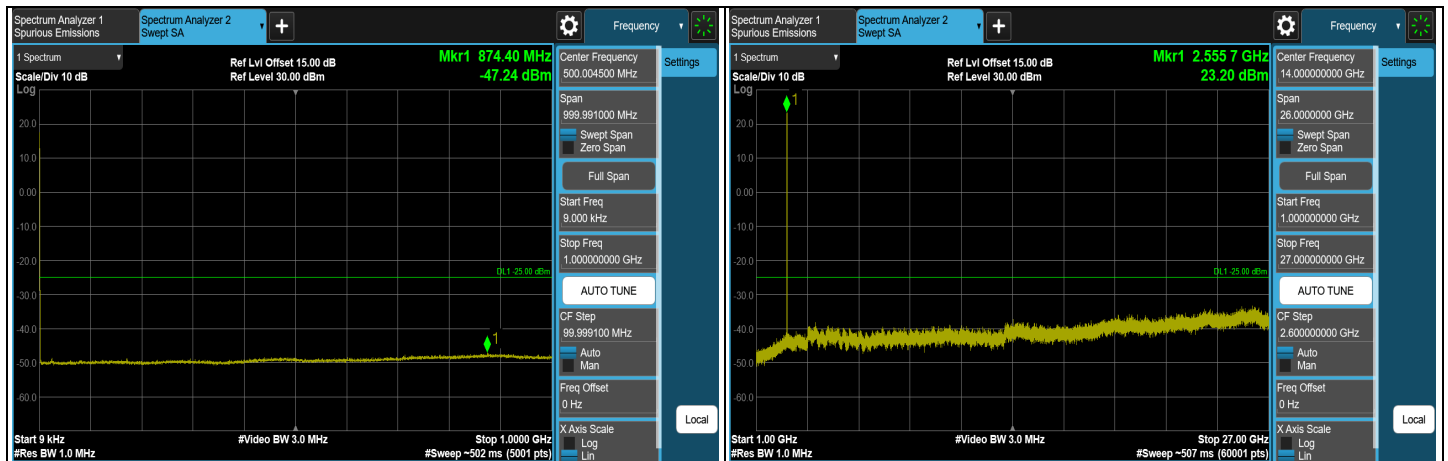


1RB CH 40265 (2557.5MHz)

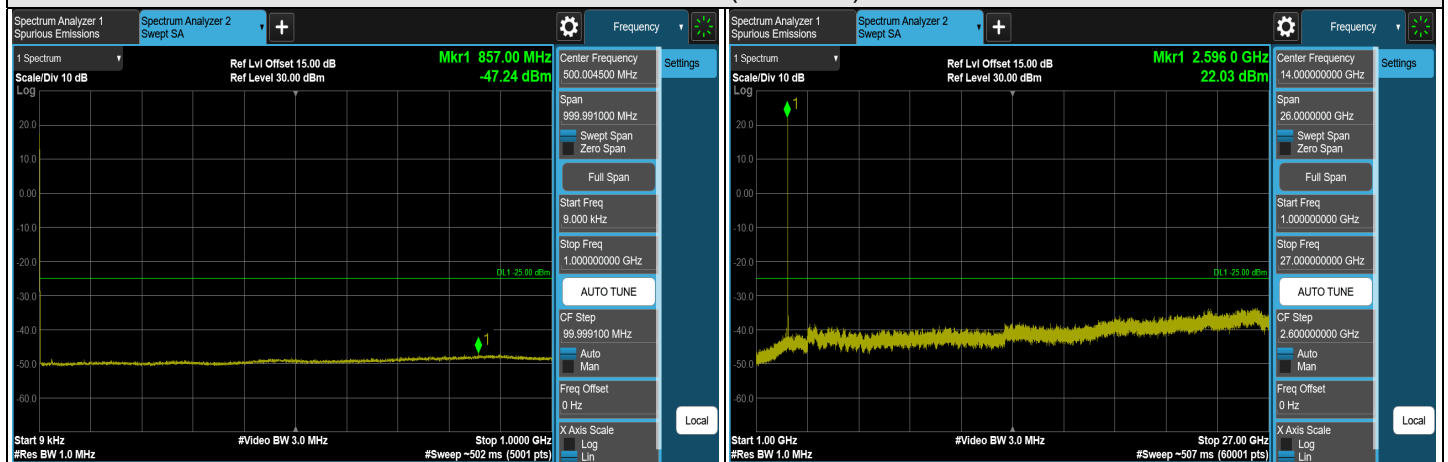


1RB CH 41215 (2652.5MHz)

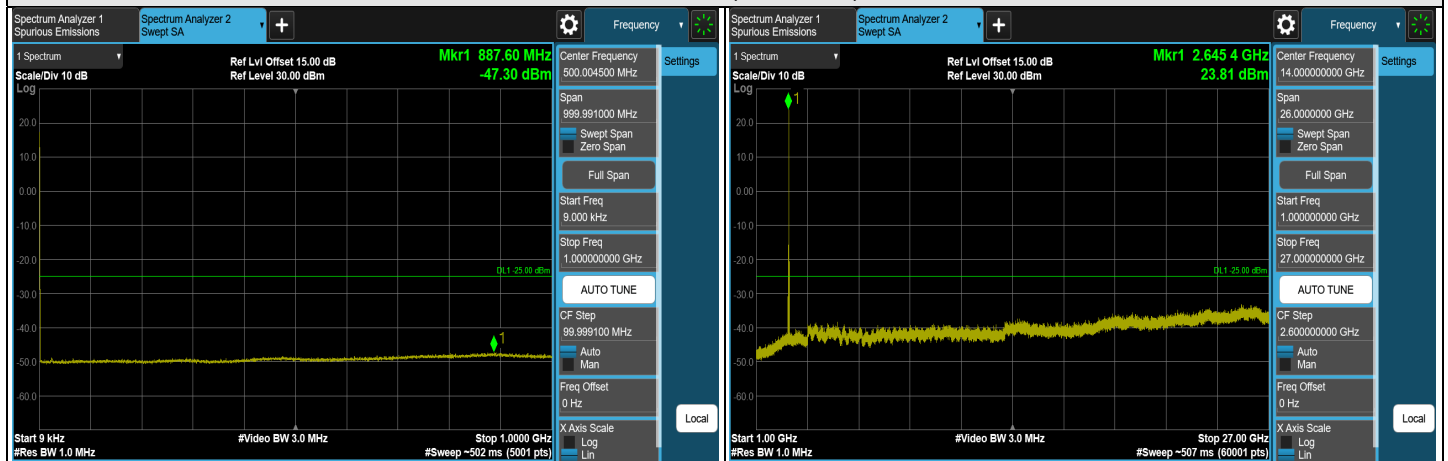
LTE Band 41, Channel Bandwidth: 10 MHz



CH 40290 (2560MHz)

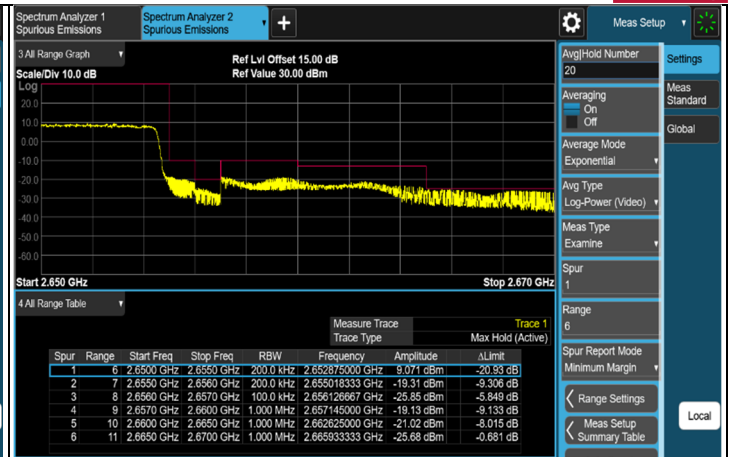
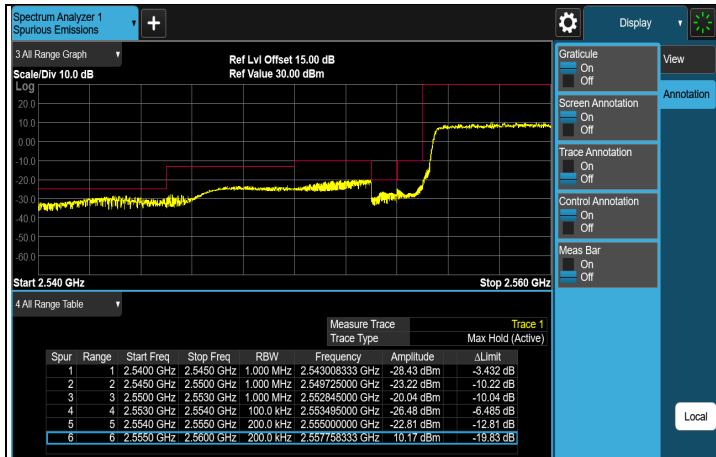


CH 40690 (2600MHz)

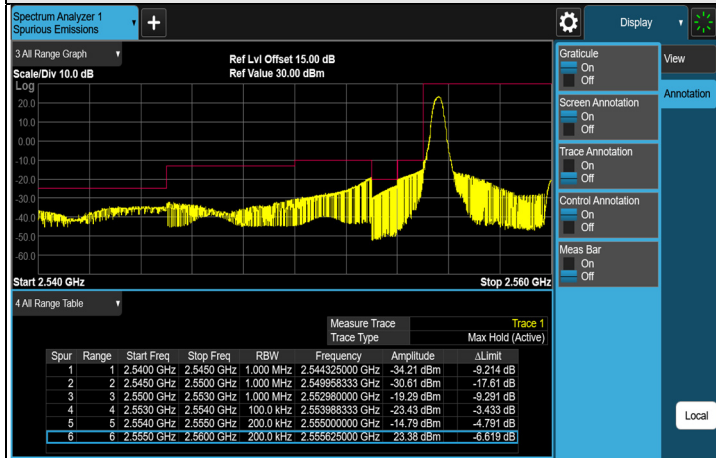


CH 41190 (2650MHz)

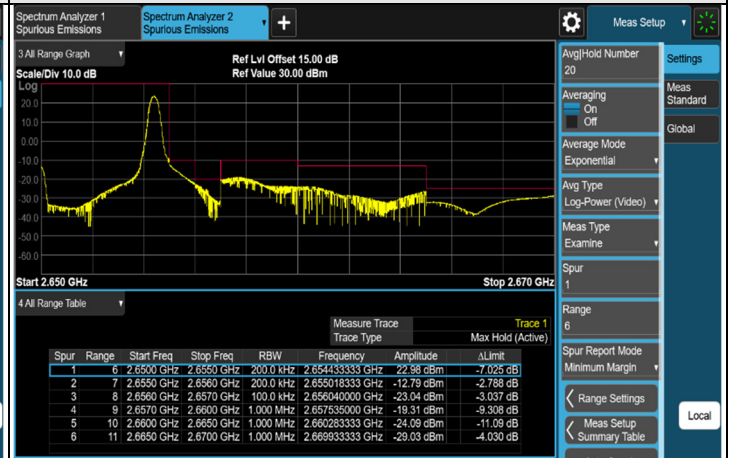
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



FULL CH 40290 (2560MHz)

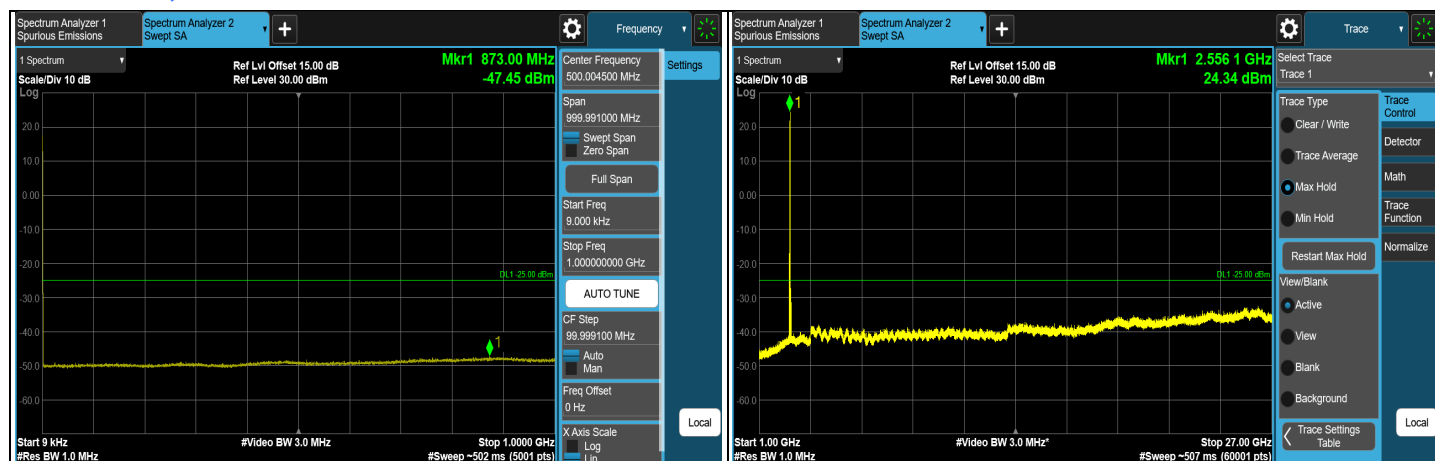


1RB CH 40290 (2560MHz)

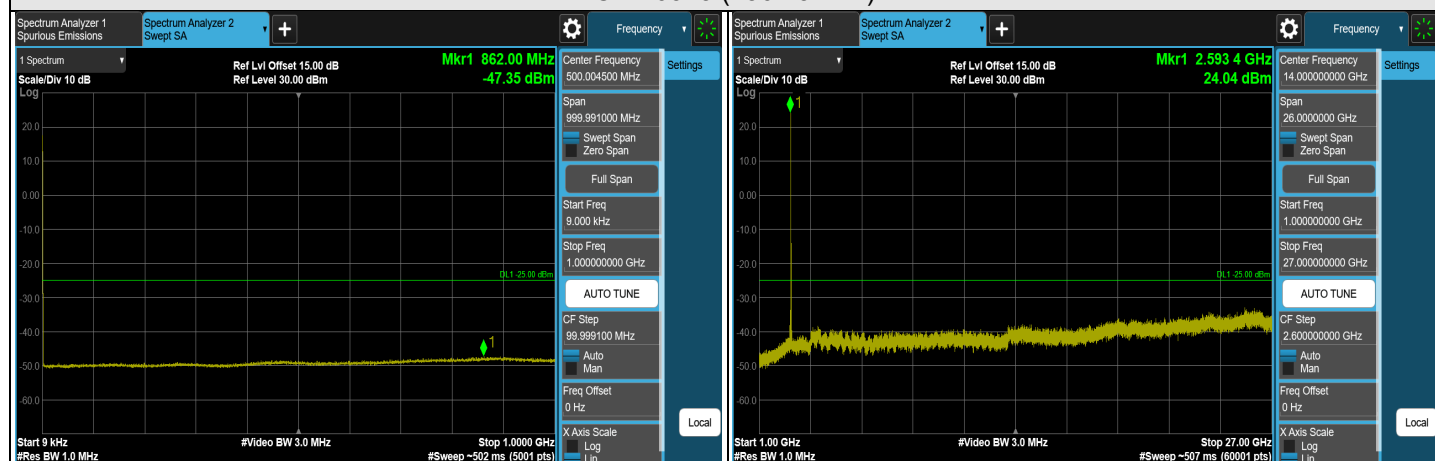


1RB CH 41190 (2650MHz)

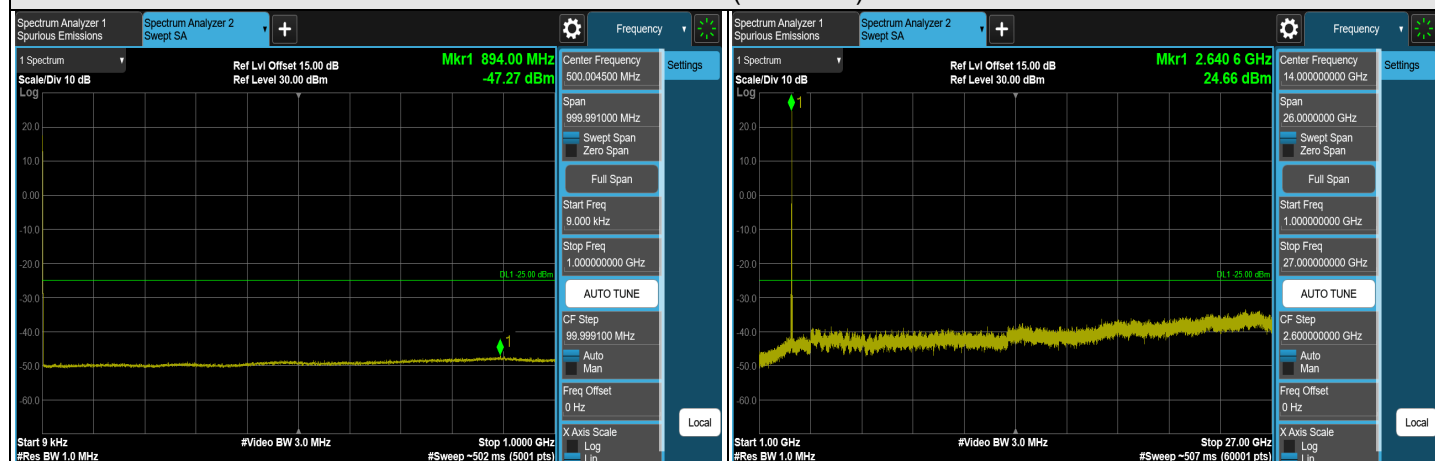
LTE Band 41, Channel Bandwidth: 15 MHz



CH 40315 (2562.5MHz)

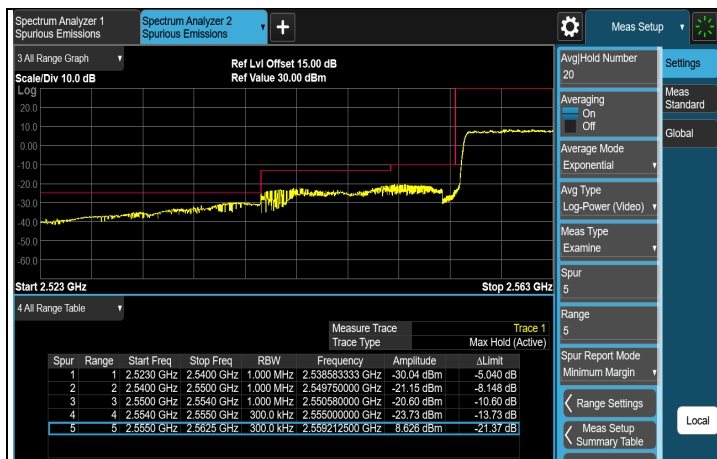


CH 40690 (2600MHz)

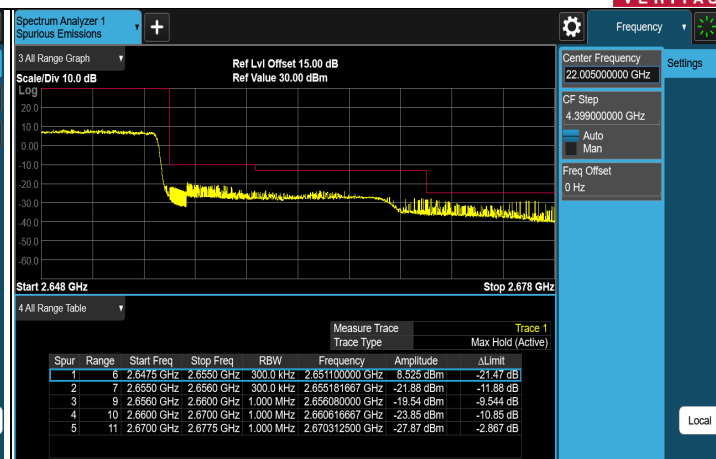


CH 41165 (2647.5MHz)

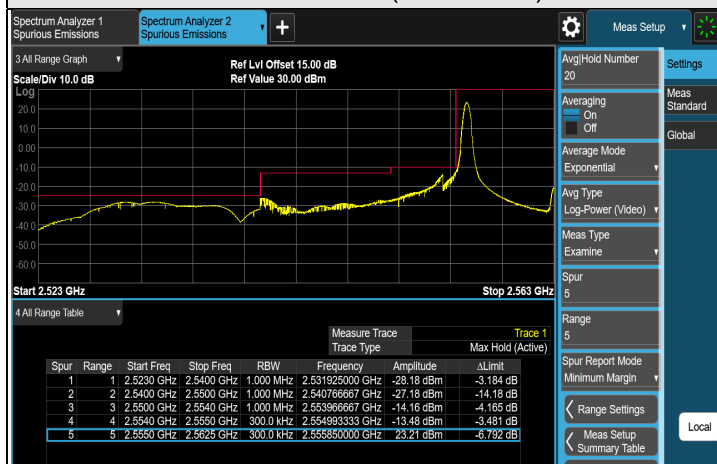
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



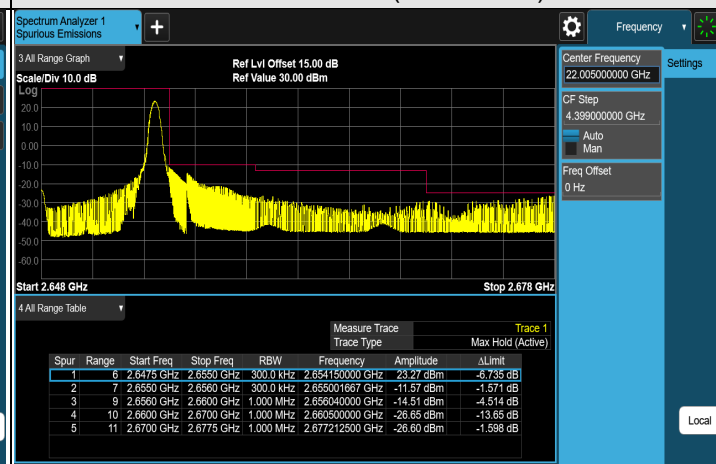
FULL CH 40315 (2562.5MHz)



FULL CH 41165 (2647.5MHz)



1RB CH 40315 (2562.5MHz)

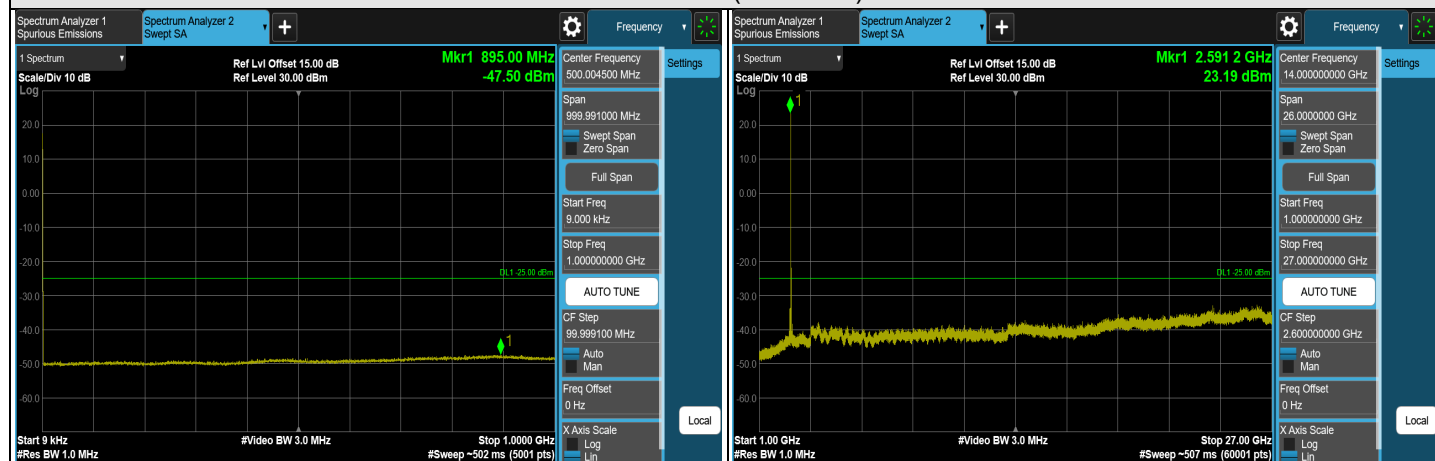


1RB CH 41165 (2647.5MHz)

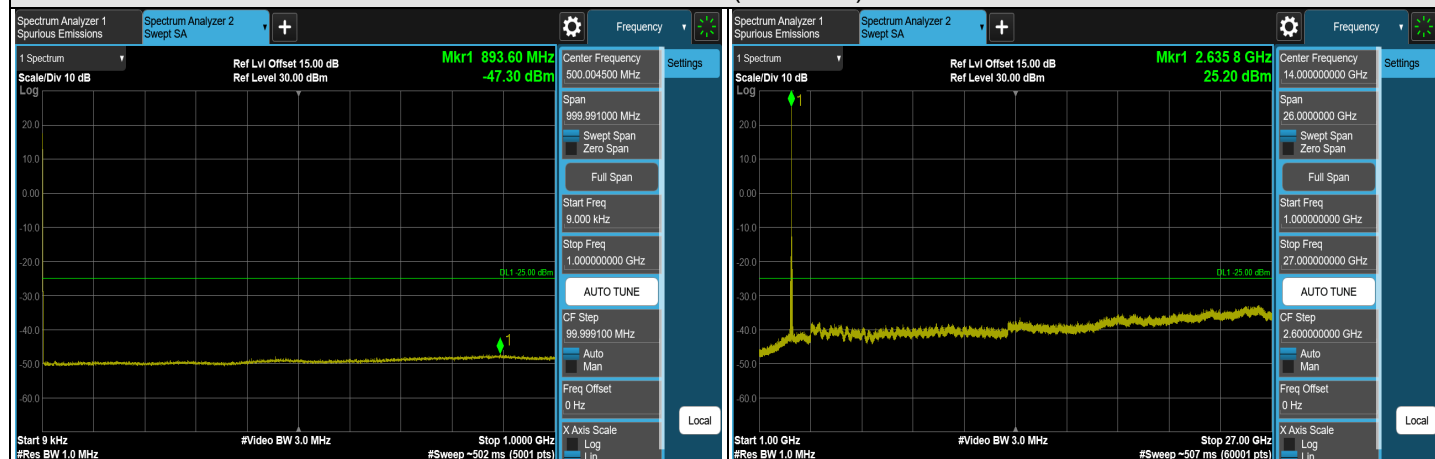
LTE Band 41, Channel Bandwidth: 20 MHz



CH 40340 (2565MHz)

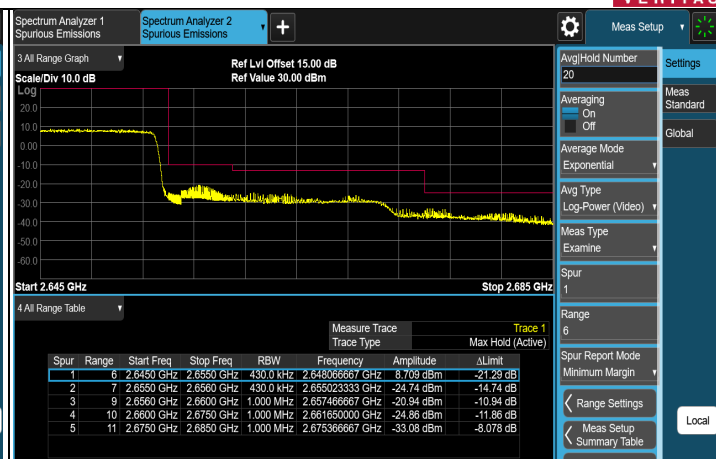
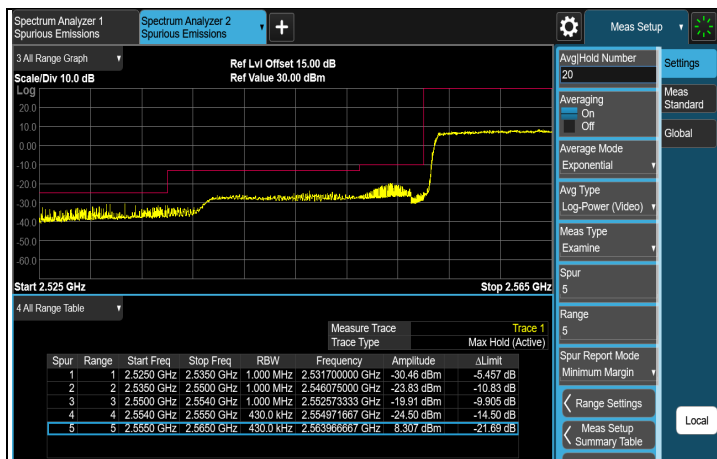


CH 40690 (2600MHz)



CH 41140 (2645MHz)

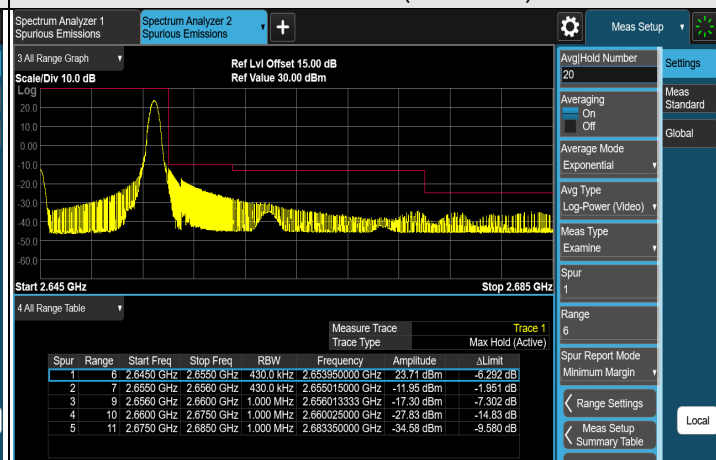
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



FULL CH 40340 (2565MHz)



1RB CH 40340 (2565MHz)



1RB CH 41140 (2645MHz)

7.6 Radiated Spurious Emissions below 1GHz

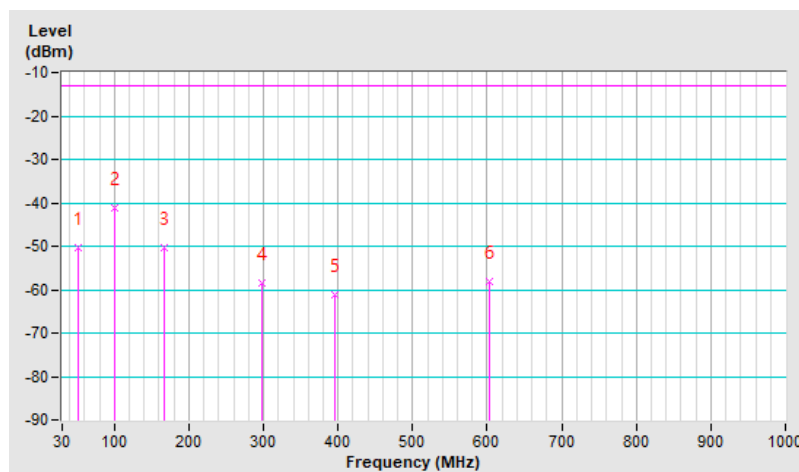
7.6.1 WCDMA Band 5

RF Mode	WCDMA Band V	Channel	CH 4233 : 846.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	51.09	-50.32	-13.00	-37.32	1.50 H	222	56.01	-106.33
2	100.29	-41.07	-13.00	-28.07	1.00 H	23	69.57	-110.64
3	167.77	-50.37	-13.00	-37.37	1.00 H	301	55.90	-106.27
4	298.51	-58.32	-13.00	-45.32	2.00 H	178	46.51	-104.83
5	395.51	-61.03	-13.00	-48.03	2.00 H	212	42.26	-103.29
6	603.57	-57.99	-13.00	-44.99	1.00 H	111	41.08	-99.07

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.

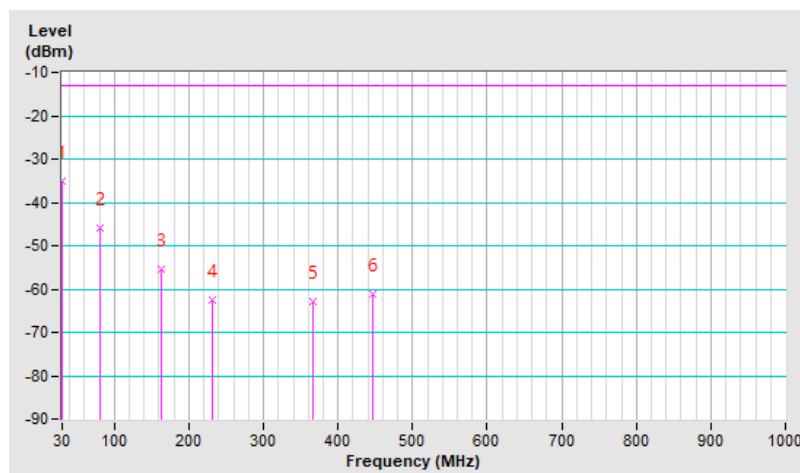


RF Mode	WCDMA Band V	Channel	CH 4233 : 846.6 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	30.00	-34.99	-13.00	-21.99	2.00 V	93	72.82	-107.81
2	80.61	-46.04	-13.00	-33.04	1.00 V	86	64.63	-110.67
3	163.55	-55.38	-13.00	-42.38	1.00 V	225	50.68	-106.06
4	231.03	-62.42	-13.00	-49.42	1.00 V	337	45.82	-108.24
5	365.99	-63.05	-13.00	-50.05	1.50 V	65	40.62	-103.67
6	446.12	-61.04	-13.00	-48.04	1.00 V	277	41.23	-102.27

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.



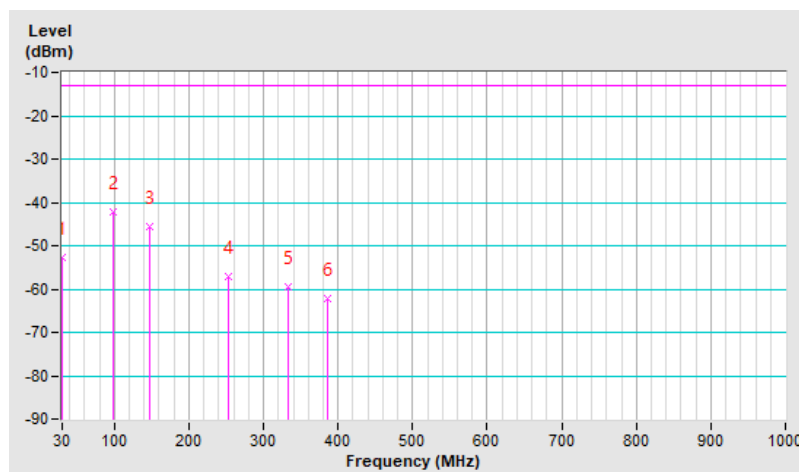
7.6.2 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 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	19°C, 63% RH
Tested By	Edison 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	30.00	-52.75	-13.00	-39.75	2.00 H	99	55.06	-107.81
2	98.88	-42.21	-13.00	-29.21	1.00 H	343	68.67	-110.88
3	146.68	-45.62	-13.00	-32.62	1.50 H	302	60.41	-106.03
4	252.12	-57.23	-13.00	-44.23	1.50 H	330	49.32	-106.55
5	333.65	-59.44	-13.00	-46.44	1.00 H	141	44.72	-104.16
6	385.67	-62.22	-13.00	-49.22	1.00 H	213	41.10	-103.32

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.

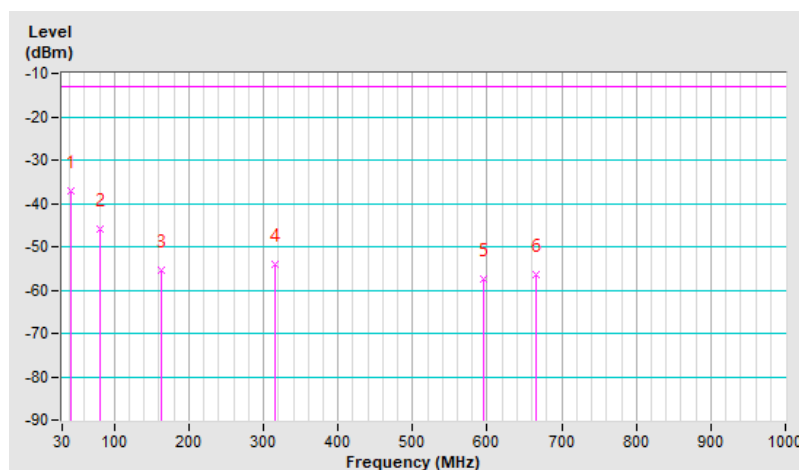


RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	41.25	-36.95	-13.00	-23.95	2.00 V	232	69.75	-106.70
2	80.61	-46.04	-13.00	-33.04	1.00 V	86	64.63	-110.67
3	163.55	-55.38	-13.00	-42.38	1.00 V	225	50.68	-106.06
4	315.38	-54.06	-13.00	-41.06	1.50 V	148	50.34	-104.40
5	595.13	-57.61	-13.00	-44.61	1.50 V	6	41.77	-99.38
6	665.42	-56.50	-13.00	-43.50	1.00 V	146	41.74	-98.24

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.



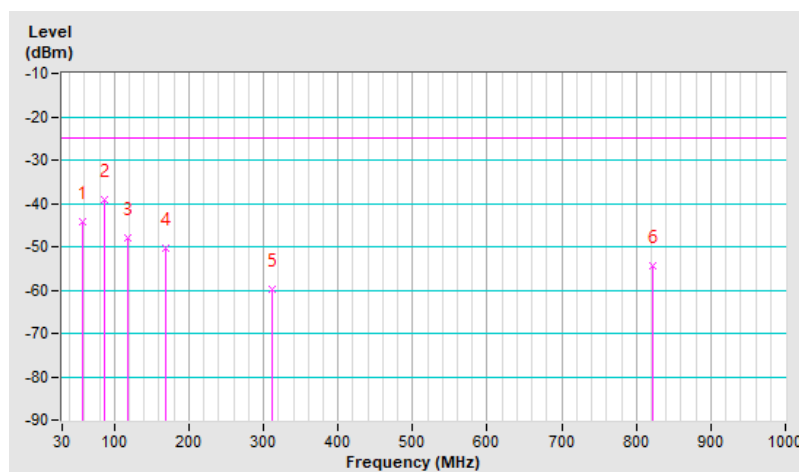
7.6.3 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	58.12	-44.19	-25.00	-19.19	1.50 H	153	60.39	-104.58
2	87.64	-39.25	-25.00	-14.25	1.50 H	321	70.44	-109.69
3	118.57	-47.89	-25.00	-22.89	2.00 H	297	58.49	-106.38
4	169.17	-50.31	-25.00	-25.31	1.00 H	299	53.88	-104.19
5	312.57	-59.86	-25.00	-34.86	1.50 H	225	42.47	-102.33
6	821.46	-54.26	-25.00	-29.26	1.00 H	239	37.81	-92.07

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.

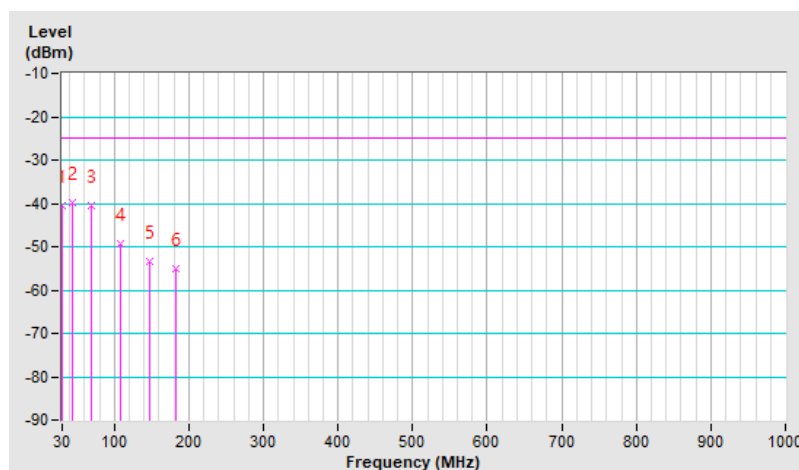


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	30.00	-40.37	-25.00	-15.37	1.50 V	6	65.29	-105.66
2	44.06	-39.94	-25.00	-14.94	1.00 V	355	64.48	-104.42
3	69.36	-40.35	-25.00	-15.35	1.00 V	6	65.82	-106.17
4	107.32	-49.18	-25.00	-24.18	2.00 V	229	58.23	-107.41
5	148.09	-53.27	-25.00	-28.27	1.00 V	211	50.70	-103.97
6	183.23	-55.16	-25.00	-30.16	1.50 V	309	50.39	-105.55

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 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.



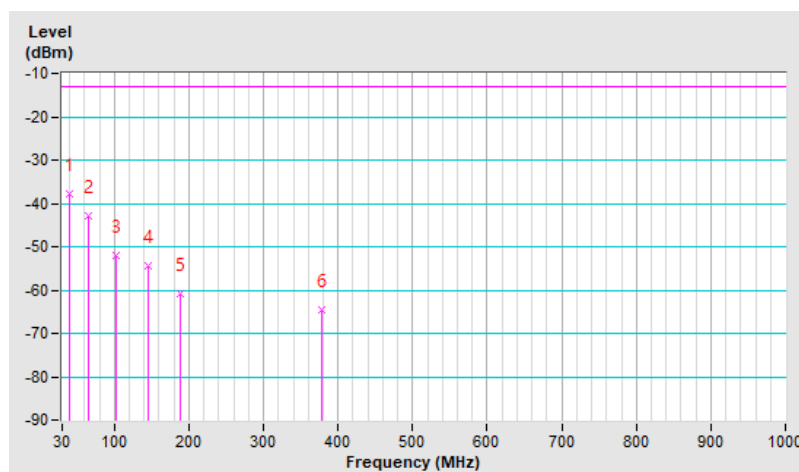
7.6.4 LTE Band 26 (Part 22)

RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	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	19°C, 63% RH
Tested By	Edison 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	39.84	-37.71	-13.00	-24.71	1.00 H	160	69.28	-106.99
2	65.14	-42.96	-13.00	-29.96	1.00 H	23	64.66	-107.62
3	103.10	-52.01	-13.00	-39.01	1.50 H	264	58.21	-110.22
4	145.28	-54.25	-13.00	-41.25	1.00 H	218	51.92	-106.17
5	188.86	-60.69	-13.00	-47.69	2.00 H	353	47.75	-108.44
6	377.23	-64.59	-13.00	-51.59	1.00 H	231	38.82	-103.41

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.

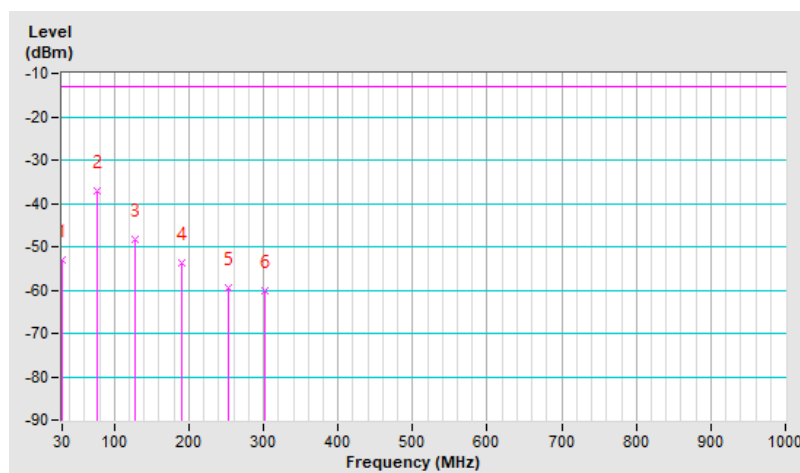


RF Mode	LTE Band 26 Channel Bandwidth: 15MHz	Channel	CH 26915 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	30.00	-53.20	-13.00	-40.20	2.00 V	104	54.61	-107.81
2	76.39	-37.00	-13.00	-24.00	1.50 V	272	72.50	-109.50
3	128.41	-48.19	-13.00	-35.19	1.00 V	119	59.40	-107.59
4	190.26	-53.80	-13.00	-40.80	1.50 V	291	54.72	-108.52
5	253.52	-59.51	-13.00	-46.51	1.00 V	318	47.00	-106.51
6	301.32	-60.30	-13.00	-47.30	1.00 V	222	44.46	-104.76

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 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.



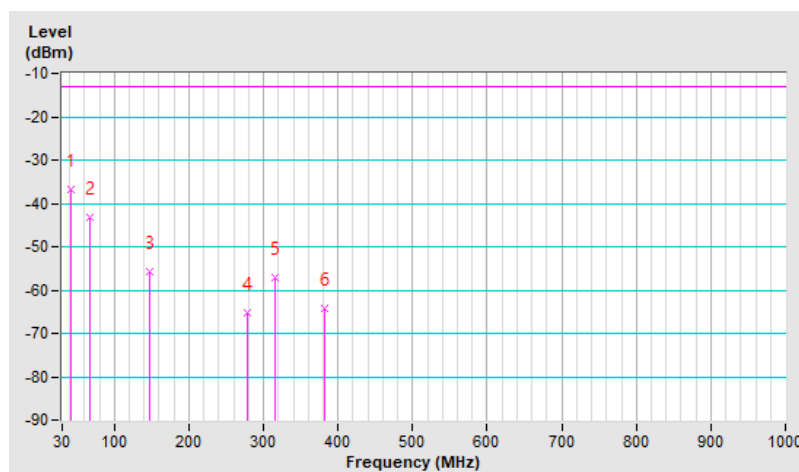
7.6.5 LTE Band 26 (Part 90)

RF Mode	LTE Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	41.25	-36.73	-13.00	-23.73	2.00 H	153	69.97	-106.70
2	67.96	-43.34	-13.00	-30.34	1.00 H	6	64.64	-107.98
3	148.09	-55.67	-13.00	-42.67	1.50 H	237	50.45	-106.12
4	277.42	-65.22	-13.00	-52.22	1.00 H	61	40.14	-105.36
5	315.38	-57.02	-13.00	-44.02	1.00 H	93	47.38	-104.40
6	381.45	-64.24	-13.00	-51.24	1.50 H	234	39.10	-103.34

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.

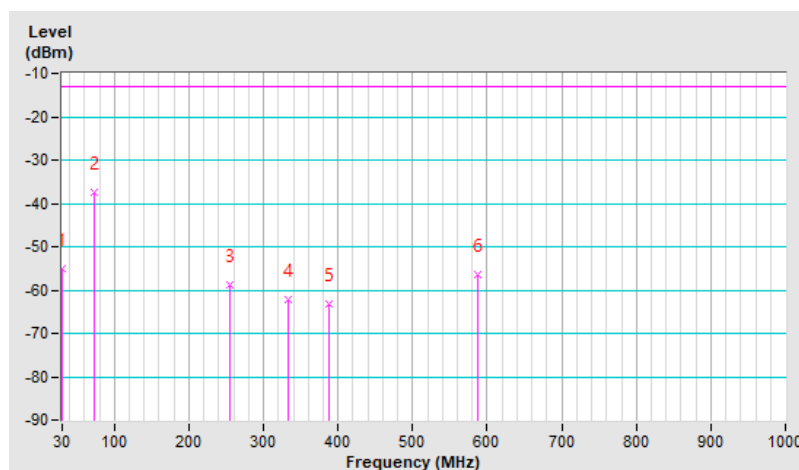


RF Mode	LTE Band 26 Channel Bandwidth: 10MHz	Channel	CH 26740 : 819 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	30.00	-54.96	-13.00	-41.96	2.00 V	99	52.85	-107.81
2	73.58	-37.62	-13.00	-24.62	1.00 V	245	71.25	-108.87
3	254.93	-58.70	-13.00	-45.70	1.00 V	319	47.77	-106.47
4	332.25	-62.22	-13.00	-49.22	1.00 V	80	41.94	-104.16
5	388.48	-63.35	-13.00	-50.35	1.50 V	17	39.95	-103.30
6	586.70	-56.44	-13.00	-43.44	1.00 V	196	43.17	-99.61

Remarks:

- ERP(dBm) = Raw Value(dBuV) + Correction Factor(dB/m)
- Correction Factor(dB/m) = Antenna Factor(dB/m) + Cable Factor(dB) – Pre-Amplifier Factor(dB) + 20log(D) – 104.8 – 2.15
- Margin value = ERP – Limit value
- The other ERP levels were very low against the limit of frequency range 30 MHz ~ 1 GHz.
- The frequency range 9 kHz ~ 30 MHz: all emissions are more than 20 dB below the limit, therefore do not be recorded in this report.



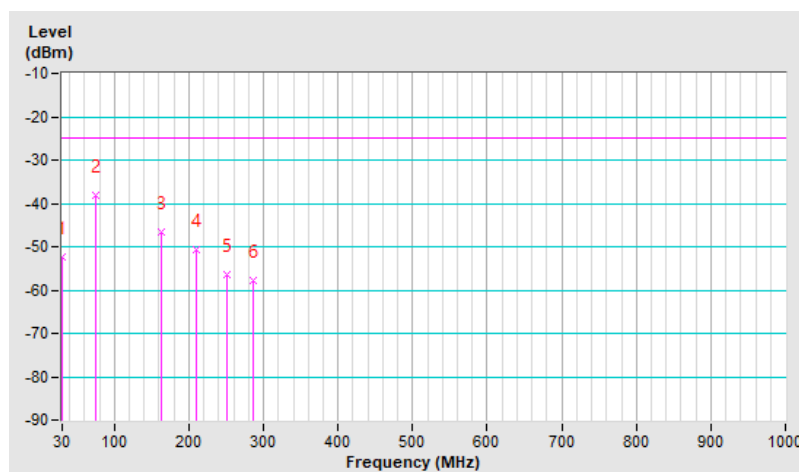
7.6.6 LTE Band 38

RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	30.00	-52.32	-25.00	-27.32	1.00 H	70	53.34	-105.66
2	74.99	-38.30	-25.00	-13.30	2.00 H	3	68.55	-106.85
3	162.14	-46.45	-25.00	-21.45	1.00 H	323	57.38	-103.83
4	209.94	-50.80	-25.00	-25.80	1.50 H	44	55.77	-106.57
5	250.71	-56.54	-25.00	-31.54	1.50 H	205	47.90	-104.44
6	285.86	-57.68	-25.00	-32.68	1.00 H	112	45.31	-102.99

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.

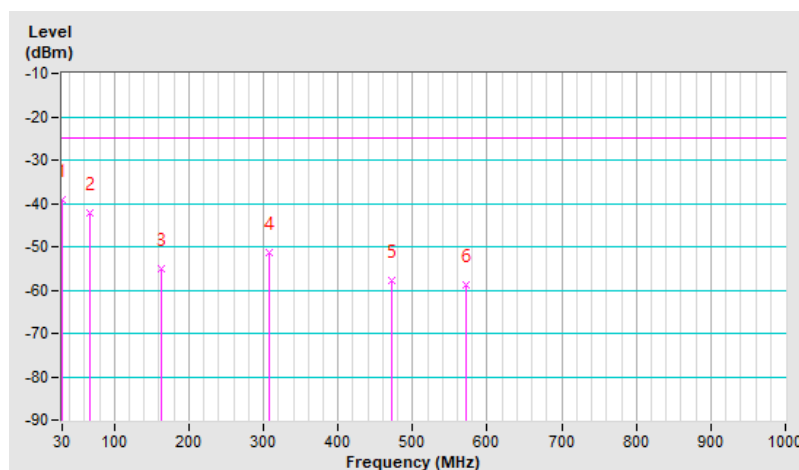


RF Mode	LTE Band 38 Channel Bandwidth: 20MHz	Channel	CH 38000 : 2595 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	30.00	-39.15	-25.00	-14.15	2.00 V	128	66.51	-105.66
2	67.96	-42.09	-25.00	-17.09	1.00 V	6	63.74	-105.83
3	162.14	-54.97	-25.00	-29.97	1.00 V	242	48.86	-103.83
4	308.35	-51.29	-25.00	-26.29	1.00 V	143	51.16	-102.45
5	472.83	-57.90	-25.00	-32.90	1.00 V	42	41.86	-99.76
6	571.23	-58.73	-25.00	-33.73	1.50 V	113	39.34	-98.07

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.



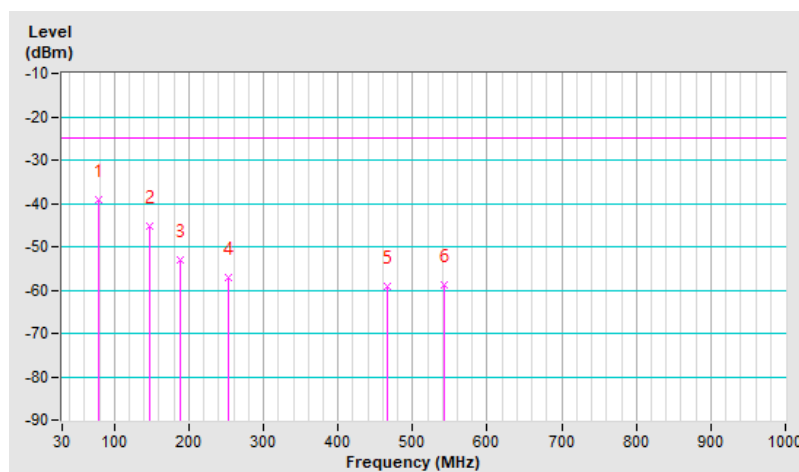
7.6.7 LTE Band 41

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40690 : 2600 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	79.20	-39.22	-25.00	-14.22	1.00 H	26	68.84	-108.06
2	146.68	-45.31	-25.00	-20.31	1.00 H	305	58.57	-103.88
3	188.86	-53.20	-25.00	-28.20	1.50 H	274	53.09	-106.29
4	253.52	-57.05	-25.00	-32.05	1.00 H	152	47.31	-104.36
5	465.80	-58.99	-25.00	-33.99	2.00 H	255	40.79	-99.78
6	541.71	-58.81	-25.00	-33.81	1.00 H	165	39.91	-98.72

Remarks:

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

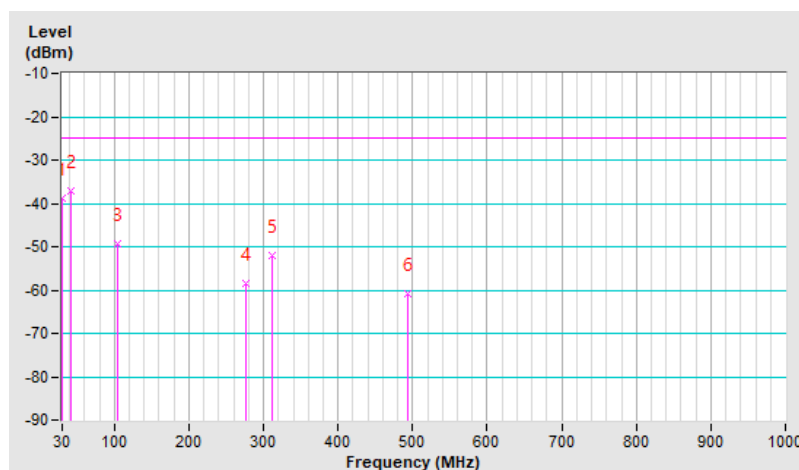


RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40690 : 2600 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison Lee		

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	30.00	-38.81	-25.00	-13.81	1.00 V	26	66.85	-105.66
2	41.25	-37.19	-25.00	-12.19	1.00 V	131	67.36	-104.55
3	104.51	-49.32	-25.00	-24.32	1.00 V	43	58.48	-107.80
4	276.01	-58.54	-25.00	-33.54	1.00 V	45	44.72	-103.26
5	311.16	-51.89	-25.00	-26.89	1.00 V	121	50.48	-102.37
6	493.91	-60.96	-25.00	-35.96	1.00 V	17	38.60	-99.56

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.



7.7 Radiated Spurious Emissions above 1GHz

7.7.1 WCDMA Band 5

RF Mode	WCDMA Band V 1	Channel	CH 4132 : 826.4 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	1652.80	-59.11	-13.00	-46.11	1.78 H	85	40.41	-99.52
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	1652.80	-56.00	-13.00	-43.00	1.27 V	31	43.52	-99.52

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	WCDMA Band V	Channel	CH 4182 : 836.4 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	1672.80	-58.70	-13.00	-45.70	1.83 H	97	40.70	-99.40
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	1672.80	-55.70	-13.00	-42.70	1.22 V	32	43.70	-99.40

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	WCDMA Band V	Channel	CH 4233 : 846.6 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	1693.20	-58.71	-13.00	-45.71	1.73 H	86	40.57	-99.28
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	1693.20	-55.69	-13.00	-42.69	1.22 V	20	43.59	-99.28

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.

7.7.2 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	19°C, 63% RH
Tested By	Edison 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	-56.71	-13.00	-43.71	1.82 H	90	40.68	-97.39
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	-55.85	-13.00	-42.85	1.27 V	16	43.69	-99.54

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	19°C, 63% RH
Tested By	Edison 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	-56.92	-13.00	-43.92	1.79 H	93	42.48	-99.40
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-55.75	-13.00	-42.75	1.17 V	19	43.65	-99.40

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	19°C, 63% RH
Tested By	Edison 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	-56.58	-13.00	-43.58	1.82 H	87	42.68	-99.26
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	-55.57	-13.00	-42.57	1.18 V	16	43.69	-99.26

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 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	19°C, 63% RH
Tested By	Edison 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	-56.80	-13.00	-43.80	1.82 H	89	42.72	-99.52
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	-55.68	-13.00	-42.68	1.27 V	14	43.84	-99.52

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 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	19°C, 63% RH
Tested By	Edison 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	-56.58	-13.00	-43.58	1.76 H	94	42.82	-99.40
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-55.74	-13.00	-42.74	1.23 V	16	43.66	-99.40

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	19°C, 63% RH
Tested By	Edison 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	-56.64	-13.00	-43.64	1.79 H	87	42.64	-99.28
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	-55.49	-13.00	-42.49	1.24 V	15	43.79	-99.28

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	19°C, 63% RH
Tested By	Edison 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	-56.67	-13.00	-43.67	1.80 H	91	42.82	-99.49
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1658.00	-55.58	-13.00	-42.58	1.21 V	17	43.91	-99.49

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	19°C, 63% RH
Tested By	Edison 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	-56.35	-13.00	-43.35	1.79 H	90	43.05	-99.40
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	1673.00	-55.25	-13.00	-42.25	1.22 V	15	44.15	-99.40

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	19°C, 63% RH
Tested By	Edison 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	-56.52	-13.00	-43.52	1.74 H	92	42.79	-99.31
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	-55.34	-13.00	-42.34	1.22 V	14	43.97	-99.31

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.

7.7.3 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 5MHz	Channel	CH 20775 : 2502.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5005.00	-45.57	-25.00	-20.57	3.47 H	45	37.63	-83.20
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	5005.00	-40.41	-25.00	-15.41	2.63 V	154	42.79	-83.20

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 7 Channel Bandwidth: 5MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5070.00	-45.02	-25.00	-20.02	3.46 H	43	37.70	-82.72
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-39.99	-25.00	-14.99	2.62 V	158	42.73	-82.72

Remarks:

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

RF Mode	LTE Band 7 Channel Bandwidth: 5MHz	Channel	CH 21425 : 2567.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5135.00	-44.65	-25.00	-19.65	3.47 H	42	37.98	-82.63
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5135.00	-40.02	-25.00	-15.02	2.64 V	156	42.61	-82.63

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 7 Channel Bandwidth: 20MHz	Channel	CH 20850 : 2510 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5020.00	-45.41	-25.00	-20.41	3.45 H	43	37.65	-83.06
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5020.00	-40.50	-25.00	-15.50	2.59 V	159	42.56	-83.06

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 7 Channel Bandwidth: 20MHz	Channel	CH 21100 : 2535 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5070.00	-44.52	-25.00	-19.52	3.48 H	41	38.20	-82.72
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5070.00	-39.72	-25.00	-14.72	2.59 V	155	43.00	-82.72

Remarks:

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

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	Channel	CH 21350 : 2560 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5120.00	-44.69	-25.00	-19.69	3.46 H	39	37.93	-82.62
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5120.00	-40.05	-25.00	-15.05	2.61 V	153	42.57	-82.62

Remarks:

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

7.7.4 LTE Band 26 (Part 22)

RF Mode	LTE Band 26 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	19°C, 63% RH
Tested By	Edison 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	2474.10	-54.94	-13.00	-41.94	1.93 H	241	40.26	-95.20
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	2474.10	-51.83	-13.00	-38.83	2.63 V	188	43.37	-95.20

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 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	19°C, 63% RH
Tested By	Edison 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	2509.50	-55.32	-13.00	-42.32	1.96 H	242	39.75	-95.07
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	2509.50	-51.46	-13.00	-38.46	2.58 V	189	43.61	-95.07

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 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	19°C, 63% RH
Tested By	Edison 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	2544.90	-54.97	-13.00	-41.97	1.99 H	246	39.95	-94.92
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	2544.90	-51.45	-13.00	-38.45	2.60 V	190	43.47	-94.92

Remarks:

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

RF Mode	LTE Band 26 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	19°C, 63% RH
Tested By	Edison 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	2479.50	-55.02	-13.00	-42.02	1.99 H	245	40.17	-95.19
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	2479.50	-51.31	-13.00	-38.31	2.65 V	199	43.88	-95.19

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 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	19°C, 63% RH
Tested By	Edison 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	2509.50	-55.51	-13.00	-42.51	1.91 H	245	39.56	-95.07
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	2509.50	-51.27	-13.00	-38.27	2.59 V	188	43.80	-95.07

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 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	19°C, 63% RH
Tested By	Edison 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	2539.50	-55.09	-13.00	-42.09	2.00 H	244	39.85	-94.94
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	2539.50	-51.10	-13.00	-38.10	2.67 V	191	43.84	-94.94

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 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	19°C, 63% RH
Tested By	Edison 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	2494.50	-55.56	-13.00	-42.56	1.99 H	245	39.56	-95.12
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	2494.50	-51.24	-13.00	-38.24	2.62 V	191	43.88	-95.12

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 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	19°C, 63% RH
Tested By	Edison 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	2509.50	-54.47	-13.00	-41.47	1.96 H	244	40.60	-95.07
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	2509.50	-50.97	-13.00	-37.97	2.62 V	191	44.10	-95.07

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 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	19°C, 63% RH
Tested By	Edison 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	2524.50	-54.59	-13.00	-41.59	1.96 H	242	40.41	-95.00
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	2524.50	-51.43	-13.00	-38.43	2.67 V	188	43.57	-95.00

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.

7.7.5 LTE Band 26 (Part 90)

RF Mode	LTE Band 26 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	19°C, 63% RH
Tested By	Edison 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	2444.10	-55.94	-13.00	-42.94	1.98 H	253	39.34	-95.28
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	2444.10	-52.05	-13.00	-39.05	2.78 V	181	43.23	-95.28

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 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	19°C, 63% RH
Tested By	Edison 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	2457.00	-55.99	-13.00	-42.99	1.91 H	252	39.27	-95.26
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	2457.00	-51.79	-13.00	-38.79	2.75 V	182	43.47	-95.26

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 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	19°C, 63% RH
Tested By	Edison 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	2469.90	-56.09	-13.00	-43.09	1.90 H	253	39.12	-95.21
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	2469.90	-52.07	-13.00	-39.07	2.76 V	183	43.14	-95.21

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 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	19°C, 63% RH
Tested By	Edison 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	2449.50	-55.54	-13.00	-42.54	1.93 H	257	39.75	-95.29
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	2449.50	-51.55	-13.00	-38.55	2.77 V	182	43.74	-95.29

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 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	19°C, 63% RH
Tested By	Edison 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	2457.00	-56.08	-13.00	-43.08	1.95 H	256	39.18	-95.26
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	2457.00	-51.64	-13.00	-38.64	2.71 V	186	43.62	-95.26

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 Channel Bandwidth: 5MHz	Channel	CH 26765 : 816.47 MHz
Frequency Range	1 GHz ~ 18 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	2464.50	-56.10	-13.00	-43.10	1.91 H	250	39.14	-95.24
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	2464.50	-51.68	-13.00	-38.68	2.79 V	188	43.56	-95.24

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 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	19°C, 63% RH
Tested By	Edison 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	2457.00	-54.76	-13.00	-41.76	1.95 H	253	40.50	-95.26
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	2457.00	-51.15	-13.00	-38.15	2.76 V	184	44.11	-95.26

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.

7.7.6 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	19°C, 63% RH
Tested By	Edison 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	-43.32	-25.00	-18.32	3.27 H	56	39.29	-82.61
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	-39.43	-25.00	-14.43	2.96 V	157	43.18	-82.61

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	19°C, 63% RH
Tested By	Edison 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	-43.09	-25.00	-18.09	3.31 H	62	39.76	-82.85
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	-39.74	-25.00	-14.74	2.88 V	155	43.11	-82.85

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	19°C, 63% RH
Tested By	Edison 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	-43.28	-25.00	-18.28	3.28 H	55	39.61	-82.89
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5235.00	-39.89	-25.00	-14.89	2.95 V	159	43.00	-82.89

Remarks:

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

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	19°C, 63% RH
Tested By	Edison 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	-43.37	-25.00	-18.37	3.31 H	56	39.31	-82.68
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	-39.49	-25.00	-14.49	2.92 V	155	43.19	-82.68

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	19°C, 63% RH
Tested By	Edison 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	-42.65	-25.00	-17.65	3.25 H	61	40.20	-82.85
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	-39.15	-25.00	-14.15	2.92 V	157	43.70	-82.85

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	19°C, 63% RH
Tested By	Edison 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	-43.16	-25.00	-18.16	3.29 H	62	39.74	-82.90
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	-39.60	-25.00	-14.60	2.88 V	155	43.30	-82.90

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 41

RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 40265 : 2557.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5115.00	-45.42	-25.00	-20.42	3.43 H	41	37.20	-82.62
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5115.00	-41.16	-25.00	-16.16	2.98 V	159	41.46	-82.62

Remarks:

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

RF Mode	LTE Band 41 Channel Bandwidth: 5MHz	Channel	CH 40690 : 2600 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5200.00	-45.02	-25.00	-20.02	3.50 H	47	37.89	-82.91
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	5200.00	-41.08	-25.00	-16.08	3.06 V	158	41.83	-82.91

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 41 Channel Bandwidth: 5MHz	Channel	CH 41215 : 2652.5 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5305.00	-44.63	-25.00	-19.63	3.44 H	42	38.10	-82.73
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	5305.00	-41.06	-25.00	-16.06	3.03 V	161	41.67	-82.73

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 41 Channel Bandwidth: 20MHz	Channel	CH 40340 : 2565 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5130.00	-44.95	-25.00	-19.95	3.47 H	46	37.67	-82.62
Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	5130.00	-41.02	-25.00	-16.02	2.99 V	158	41.60	-82.62

Remarks:

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

RF Mode	LTE Band 41 Channel Bandwidth: 20MHz	Channel	CH 40690 : 2600 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5200.00	-44.21	-25.00	-19.21	3.45 H	44	38.70	-82.91
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	5200.00	-40.61	-25.00	-15.61	3.02 V	158	42.30	-82.91

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 41 Channel Bandwidth: 20MHz	Channel	CH 41140 : 2645 MHz
Frequency Range	1 GHz ~ 27 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	19°C, 63% RH
Tested By	Edison 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	5290.00	-45.11	-25.00	-20.11	3.45 H	42	37.68	-82.79
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	5290.00	-41.39	-25.00	-16.39	3.07 V	157	41.40	-82.79

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.

7.8 Frequency Stability

Environmental Conditions:	25°C, 60% RH	Tested By:	Ted Chang
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7.8.1 WCDMA Band 5

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 4132 (826.4 MHz)		CH 4223 (846.6 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	826.3999980	-0.002	846.5999960	-0.005
3.80	826.4000020	0.002	846.6000030	0.004
4.37	826.3999980	-0.002	846.5999990	-0.001

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 4132 (826.4 MHz)		CH 4223 (846.6 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	826.4000040	0.005	846.6000020	0.002
-30	826.3999980	-0.002	846.5999960	-0.005
-20	826.3999990	-0.001	846.5999970	-0.004
-10	826.4000030	0.004	846.6000040	0.005
0	826.4000020	0.002	846.5999970	-0.004
10	826.4000020	0.002	846.6000010	0.001
20	826.3999980	-0.002	846.5999960	-0.005
30	826.4000010	0.001	846.6000010	0.001
40	826.4000010	0.001	846.5999980	-0.002
50	826.3999990	-0.001	846.5999960	-0.005
60	826.3999960	-0.005	846.5999960	-0.005
70	826.4000030	0.004	846.5999970	-0.004
80	826.4000040	0.005	846.6000040	0.005
85	826.4000020	0.002	846.5999990	-0.001

7.8.2 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	824.6999980	-0.002	848.2999960	-0.005
3.80	824.7000040	0.005	848.3000040	0.005
4.37	824.7000030	0.004	848.2999970	-0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	824.6999960	-0.005	848.2999960	-0.005
-30	824.7000010	0.001	848.3000010	0.001
-20	824.7000010	0.001	848.2999960	-0.005
-10	824.7000030	0.004	848.2999970	-0.004
0	824.7000020	0.002	848.3000010	0.001
10	824.6999990	-0.001	848.2999970	-0.004
20	824.6999990	-0.001	848.3000030	0.004
30	824.6999980	-0.002	848.3000040	0.005
40	824.6999980	-0.002	848.3000020	0.002
50	824.7000030	0.004	848.2999980	-0.002
60	824.6999970	-0.004	848.2999980	-0.002
70	824.7000010	0.001	848.2999970	-0.004
80	824.6999970	-0.004	848.2999970	-0.004
85	824.6999990	-0.001	848.2999960	-0.005

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	825.4999980	-0.002	847.5000010	0.001
3.80	825.4999970	-0.004	847.5000040	0.005
4.37	825.4999990	-0.001	847.5000040	0.005

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	825.5000040	0.005	847.5000010	0.001
-30	825.5000010	0.001	847.4999960	-0.005
-20	825.4999960	-0.005	847.5000030	0.004
-10	825.4999990	-0.001	847.5000010	0.001
0	825.5000010	0.001	847.4999960	-0.005
10	825.4999970	-0.004	847.4999960	-0.005
20	825.5000030	0.004	847.4999990	-0.001
30	825.4999980	-0.002	847.4999990	-0.001
40	825.4999980	-0.002	847.4999960	-0.005
50	825.5000030	0.004	847.4999970	-0.004
60	825.4999960	-0.005	847.5000030	0.004
70	825.4999990	-0.001	847.5000040	0.005
80	825.5000030	0.004	847.5000030	0.004
85	825.5000010	0.001	847.4999990	-0.001

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	826.5000030	0.004	846.5000030	0.004
3.80	826.4999980	-0.002	846.5000010	0.001
4.37	826.4999980	-0.002	846.5000010	0.001

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	826.5000020	0.002	846.5000020	0.002
-30	826.5000030	0.004	846.4999980	-0.002
-20	826.5000020	0.002	846.5000040	0.005
-10	826.4999990	-0.001	846.4999960	-0.005
0	826.4999980	-0.002	846.4999990	-0.001
10	826.5000030	0.004	846.5000030	0.004
20	826.5000020	0.002	846.4999960	-0.005
30	826.5000010	0.001	846.5000040	0.005
40	826.4999960	-0.005	846.4999990	-0.001
50	826.4999990	-0.001	846.5000030	0.004
60	826.4999990	-0.001	846.4999980	-0.002
70	826.5000010	0.001	846.5000010	0.001
80	826.4999990	-0.001	846.4999970	-0.004
85	826.4999960	-0.005	846.5000010	0.001

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	828.9999990	-0.001	843.9999980	-0.002
3.80	829.0000020	0.002	844.0000030	0.004
4.37	828.9999960	-0.005	844.0000020	0.002

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	828.9999970	-0.004	843.9999980	-0.002
-30	828.9999970	-0.004	843.9999980	-0.002
-20	829.0000030	0.004	844.0000020	0.002
-10	829.0000010	0.001	844.0000010	0.001
0	828.9999970	-0.004	844.0000010	0.001
10	828.9999970	-0.004	843.9999970	-0.004
20	829.0000010	0.001	844.0000020	0.002
30	828.9999980	-0.002	844.0000010	0.001
40	828.9999980	-0.002	844.0000020	0.002
50	829.0000040	0.005	844.0000020	0.002
60	828.9999960	-0.005	843.9999960	-0.005
70	829.0000010	0.001	844.0000020	0.002
80	829.0000040	0.005	843.9999970	-0.004
85	829.0000030	0.004	844.0000030	0.004

7.8.3 LTE Band 7

LTE Band 7, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20775 (2502.5 MHz)		CH 21425 (2567.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2502.5000020	0.0008	2567.5000020	0.0008
3.80	2502.4999990	-0.0004	2567.4999980	-0.0008
4.37	2502.5000010	0.0004	2567.4999990	-0.0004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20775 (2502.5 MHz)		CH 21425 (2567.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2502.4999970	-0.0012	2567.5000030	0.0012
-30	2502.4999970	-0.0012	2567.5000030	0.0012
-20	2502.4999980	-0.0008	2567.5000020	0.0008
-10	2502.4999990	-0.0004	2567.5000040	0.0016
0	2502.5000020	0.0008	2567.4999990	-0.0004
10	2502.4999970	-0.0012	2567.4999970	-0.0012
20	2502.4999960	-0.0016	2567.5000010	0.0004
30	2502.5000040	0.0016	2567.4999960	-0.0016
40	2502.5000020	0.0008	2567.5000030	0.0012
50	2502.5000010	0.0004	2567.4999990	-0.0004
60	2502.5000030	0.0012	2567.4999990	-0.0004
70	2502.5000020	0.0008	2567.5000040	0.0016
80	2502.5000040	0.0016	2567.5000030	0.0012
85	2502.5000010	0.0004	2567.4999990	-0.0004

LTE Band 7, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20800 (2505 MHz)		CH 21400 (2565 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2505.0000020	0.0008	2565.0000030	0.0012
3.80	2505.0000020	0.0008	2565.0000010	0.0004
4.37	2505.0000010	0.0004	2564.9999990	-0.0004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20800 (2505 MHz)		CH 21400 (2565 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2505.0000020	0.0008	2565.0000010	0.0004
-30	2505.0000030	0.0012	2565.0000030	0.0012
-20	2504.9999990	-0.0004	2564.9999960	-0.0016
-10	2505.0000040	0.0016	2564.9999980	-0.0008
0	2504.9999980	-0.0008	2564.9999990	-0.0004
10	2505.0000030	0.0012	2564.9999980	-0.0008
20	2504.9999980	-0.0008	2565.0000030	0.0012
30	2504.9999990	-0.0004	2565.0000020	0.0008
40	2505.0000010	0.0004	2565.0000040	0.0016
50	2504.9999970	-0.0012	2564.9999990	-0.0004
60	2504.9999980	-0.0008	2565.0000040	0.0016
70	2505.0000040	0.0016	2564.9999980	-0.0008
80	2504.9999970	-0.0012	2565.0000020	0.0008
85	2505.0000010	0.0004	2565.0000010	0.0004

LTE Band 7, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20825 (2507.5 MHz)		CH 21375 (2562.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2507.5000010	0.0004	2562.5000040	0.0016
3.80	2507.4999980	-0.0008	2562.4999990	-0.0004
4.37	2507.4999970	-0.0012	2562.5000020	0.0008

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20825 (2507.5 MHz)		CH 21375 (2562.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2507.5000030	0.0012	2562.5000010	0.0004
-30	2507.5000020	0.0008	2562.4999980	-0.0008
-20	2507.5000040	0.0016	2562.4999970	-0.0012
-10	2507.4999990	-0.0004	2562.5000010	0.0004
0	2507.4999960	-0.0016	2562.5000040	0.0016
10	2507.4999980	-0.0008	2562.4999980	-0.0008
20	2507.5000020	0.0008	2562.4999970	-0.0012
30	2507.4999980	-0.0008	2562.5000010	0.0004
40	2507.5000030	0.0012	2562.5000020	0.0008
50	2507.4999980	-0.0008	2562.4999960	-0.0016
60	2507.5000010	0.0004	2562.4999970	-0.0012
70	2507.4999990	-0.0004	2562.5000020	0.0008
80	2507.5000040	0.0016	2562.5000020	0.0008
85	2507.5000020	0.0008	2562.5000010	0.0004

LTE Band 7, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 20850 (2510 MHz)		CH 21350 (2560 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2510.0000030	0.0012	2560.0000020	0.0008
3.80	2509.9999970	-0.0012	2559.9999960	-0.0016
4.37	2510.0000010	0.0004	2560.0000030	0.0012

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 20850 (2510 MHz)		CH 21350 (2560 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2510.0000010	0.0004	2560.0000020	0.0008
-30	2510.0000020	0.0008	2559.9999960	-0.0016
-20	2509.9999990	-0.0004	2559.9999980	-0.0008
-10	2509.9999970	-0.0012	2559.9999970	-0.0012
0	2509.9999990	-0.0004	2560.0000040	0.0016
10	2510.0000030	0.0012	2560.0000020	0.0008
20	2510.0000020	0.0008	2560.0000010	0.0004
30	2509.9999960	-0.0016	2560.0000010	0.0004
40	2510.0000020	0.0008	2560.0000020	0.0008
50	2509.9999990	-0.0004	2559.9999980	-0.0008
60	2510.0000010	0.0004	2560.0000030	0.0012
70	2510.0000020	0.0008	2559.9999970	-0.0012
80	2509.9999970	-0.0012	2560.0000040	0.0016
85	2510.0000040	0.0016	2559.9999990	-0.0004

7.8.4 LTE Band 26 (Part 22)

LTE Band 26, 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	824.7000030	0.004	848.2999970	-0.004
3.80	824.6999970	-0.004	848.3000020	0.002
4.37	824.7000020	0.002	848.3000020	0.002

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	824.7000010	0.001	848.3000040	0.005
-30	824.7000040	0.005	848.3000030	0.004
-20	824.7000040	0.005	848.3000040	0.005
-10	824.6999960	-0.005	848.3000030	0.004
0	824.6999980	-0.002	848.3000040	0.005
10	824.7000010	0.001	848.2999960	-0.005
20	824.7000040	0.005	848.2999970	-0.004
30	824.7000000	0.000	848.3000030	0.004
40	824.7000030	0.004	848.2999990	-0.001
50	824.7000010	0.001	848.3000010	0.001
60	824.6999960	-0.005	848.2999970	-0.004
70	824.6999970	-0.004	848.2999960	-0.005
80	824.6999960	-0.005	848.3000010	0.001
85	824.7000020	0.002	848.3000040	0.005

LTE Band 26, Channel Bandwidth: 3 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26805 (825.5 MHz)		CH 27025 (847.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	825.5000040	0.005	847.5000020	0.002
3.80	825.5000030	0.004	847.5000030	0.004
4.37	825.4999970	-0.004	847.4999980	-0.002

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	825.4999990	-0.001	847.4999980	-0.002
-30	825.5000040	0.005	847.5000040	0.005
-20	825.5000030	0.004	847.4999990	-0.001
-10	825.5000020	0.002	847.4999970	-0.004
0	825.4999970	-0.004	847.5000040	0.005
10	825.4999990	-0.001	847.4999980	-0.002
20	825.5000010	0.001	847.5000030	0.004
30	825.4999960	-0.005	847.4999990	-0.001
40	825.4999970	-0.004	847.4999990	-0.001
50	825.5000010	0.001	847.5000020	0.002
60	825.5000040	0.005	847.4999990	-0.001
70	825.5000010	0.001	847.4999970	-0.004
80	825.5000040	0.005	847.5000010	0.001
85	825.5000040	0.005	847.5000040	0.005

LTE Band 26, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 26815 (826.5 MHz)		CH 27015 (846.5 MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	826.5000040	0.005	846.5000010	0.001
3.80	826.5000040	0.005	846.4999960	-0.005
4.37	826.4999980	-0.002	846.4999970	-0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	826.4999960	-0.005	846.4999990	-0.001
-30	826.5000030	0.004	846.4999970	-0.004
-20	826.4999970	-0.004	846.5000010	0.001
-10	826.5000030	0.004	846.4999980	-0.002
0	826.4999980	-0.002	846.4999980	-0.002
10	826.4999960	-0.005	846.4999980	-0.002
20	826.5000030	0.004	846.4999960	-0.005
30	826.4999980	-0.002	846.4999980	-0.002
40	826.5000020	0.002	846.5000010	0.001
50	826.5000030	0.004	846.5000040	0.005
60	826.5000030	0.004	846.4999960	-0.005
70	826.4999990	-0.001	846.5000010	0.001
80	826.5000020	0.002	846.4999960	-0.005
85	826.5000020	0.002	846.5000040	0.005

LTE Band 26, 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	829.0000010	0.001	843.9999980	-0.002
3.80	828.9999990	-0.001	844.0000020	0.002
4.37	828.9999960	-0.005	843.9999970	-0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	828.9999990	-0.001	843.9999960	-0.005
-30	829.0000020	0.002	844.0000010	0.001
-20	829.0000040	0.005	844.0000010	0.001
-10	828.9999960	-0.005	844.0000030	0.004
0	829.0000020	0.002	843.9999960	-0.005
10	829.0000010	0.001	843.9999980	-0.002
20	829.0000010	0.001	844.0000030	0.004
30	828.9999990	-0.001	844.0000010	0.001
40	829.0000030	0.004	844.0000040	0.005
50	829.0000030	0.004	843.9999980	-0.002
60	828.9999960	-0.005	843.9999960	-0.005
70	828.9999980	-0.002	844.0000030	0.004
80	828.9999970	-0.004	843.9999980	-0.002
85	828.9999990	-0.001	844.0000040	0.005

LTE Band 26, 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	831.4999990	-0.001	841.5000010	0.001
3.80	831.5000010	0.001	841.5000020	0.002
4.37	831.5000030	0.004	841.5000030	0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	831.5000030	0.004	841.4999960	-0.005
-30	831.5000010	0.001	841.4999990	-0.001
-20	831.5000020	0.002	841.4999980	-0.002
-10	831.5000030	0.004	841.5000020	0.002
0	831.5000010	0.001	841.4999970	-0.004
10	831.4999990	-0.001	841.5000020	0.002
20	831.4999990	-0.001	841.5000030	0.004
30	831.4999980	-0.002	841.5000010	0.001
40	831.4999970	-0.004	841.4999980	-0.002
50	831.4999990	-0.001	841.5000030	0.004
60	831.5000040	0.005	841.5000030	0.004
70	831.4999980	-0.002	841.5000030	0.004
80	831.5000010	0.001	841.4999960	-0.005
85	831.4999970	-0.004	841.4999970	-0.004

7.8.5 LTE Band 26 (Part 90)

LTE Band 26, 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	814.6999960	-0.005	823.3000010	0.001
3.80	814.6999980	-0.002	823.2999960	-0.005
4.37	814.6999980	-0.002	823.2999970	-0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	814.6999990	-0.001	823.2999990	-0.001
-30	814.7000020	0.002	823.2999990	-0.001
-20	814.7000020	0.002	823.3000020	0.002
-10	814.6999960	-0.005	823.2999980	-0.002
0	814.7000040	0.005	823.3000030	0.004
10	814.6999980	-0.002	823.2999960	-0.005
20	814.7000010	0.001	823.3000040	0.005
30	814.6999980	-0.002	823.3000030	0.004
40	814.6999970	-0.004	823.3000030	0.004
50	814.7000030	0.004	823.2999990	-0.001
60	814.7000040	0.005	823.3000020	0.002
70	814.6999970	-0.004	823.3000030	0.004
80	814.7000020	0.002	823.3000010	0.001
85	814.6999990	-0.001	823.3000040	0.005

LTE Band 26, 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	815.4999960	-0.005	822.5000030	0.004
3.80	815.5000040	0.005	822.5000020	0.002
4.37	815.4999980	-0.002	822.4999980	-0.002

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	815.5000030	0.004	822.4999980	-0.002
-30	815.5000010	0.001	822.4999960	-0.005
-20	815.5000030	0.004	822.5000030	0.004
-10	815.4999970	-0.004	822.4999990	-0.001
0	815.5000030	0.004	822.5000020	0.002
10	815.4999980	-0.002	822.4999960	-0.005
20	815.4999970	-0.004	822.4999990	-0.001
30	815.5000010	0.001	822.5000030	0.004
40	815.4999980	-0.002	822.5000020	0.002
50	815.5000040	0.005	822.5000030	0.004
60	815.4999980	-0.002	822.5000030	0.004
70	815.5000040	0.005	822.5000030	0.004
80	815.5000030	0.004	822.4999960	-0.005
85	815.5000020	0.002	822.5000030	0.004

LTE Band 26, 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	816.5000040	0.005	821.4999990	-0.001
3.80	816.4999960	-0.005	821.4999960	-0.005
4.37	816.4999980	-0.002	821.5000030	0.004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 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)
-40	816.5000020	0.002	821.4999960	-0.005
-30	816.5000030	0.004	821.4999980	-0.002
-20	816.5000040	0.005	821.5000030	0.004
-10	816.4999960	-0.005	821.5000010	0.001
0	816.5000030	0.004	821.5000040	0.005
10	816.5000020	0.002	821.4999990	-0.001
20	816.4999990	-0.001	821.5000030	0.004
30	816.5000040	0.005	821.4999980	-0.002
40	816.5000020	0.002	821.5000010	0.001
50	816.4999990	-0.001	821.4999990	-0.001
60	816.5000010	0.001	821.5000030	0.004
70	816.5000030	0.004	821.4999970	-0.004
80	816.5000010	0.001	821.4999970	-0.004
85	816.4999970	-0.004	821.5000040	0.005

LTE Band 26, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage		
Voltage (Vdc)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
3.23	818.9999990	-0.001
3.80	818.9999960	-0.005
4.37	819.0000020	0.002

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature		
Temperature (°C)	CH 26740 (819 MHz)	
	Frequency (MHz)	Frequency Error (ppm)
-40	818.9999980	-0.002
-30	818.9999960	-0.005
-20	819.0000020	0.002
-10	818.9999980	-0.002
0	818.9999980	-0.002
10	818.9999980	-0.002
20	818.9999990	-0.001
30	819.0000020	0.002
40	819.0000030	0.004
50	819.0000020	0.002
60	819.0000040	0.005
70	819.0000040	0.005
80	819.0000030	0.004
85	818.9999980	-0.002

7.8.6 LTE Band 38

LTE Band 38, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37775 (2572.5MHz)		CH 38225 (2617.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2572.5000040	0.0016	2617.5000010	0.0004
3.80	2572.5000040	0.0016	2617.5000020	0.0008
4.37	2572.4999990	-0.0004	2617.4999960	-0.0015

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37775 (2572.5MHz)		CH 38225 (2617.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2572.4999990	-0.0004	2617.4999980	-0.0008
-30	2572.4999970	-0.0012	2617.4999980	-0.0008
-20	2572.4999970	-0.0012	2617.5000030	0.0011
-10	2572.4999990	-0.0004	2617.4999960	-0.0015
0	2572.5000020	0.0008	2617.4999990	-0.0004
10	2572.5000030	0.0012	2617.4999980	-0.0008
20	2572.5000040	0.0016	2617.4999980	-0.0008
30	2572.4999980	-0.0008	2617.4999990	-0.0004
40	2572.5000030	0.0012	2617.4999960	-0.0015
50	2572.4999970	-0.0012	2617.4999970	-0.0011
60	2572.5000010	0.0004	2617.5000010	0.0004
70	2572.4999980	-0.0008	2617.4999990	-0.0004
80	2572.5000040	0.0016	2617.4999980	-0.0008
85	2572.5000040	0.0016	2617.4999970	-0.0011

LTE Band 38, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37800 (2575MHz)		CH 38200 (2615MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2575.0000010	0.0004	2614.9999980	-0.0008
3.80	2575.0000020	0.0008	2615.0000030	0.0011
4.37	2574.9999980	-0.0008	2615.0000040	0.0015

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37800 (2575MHz)		CH 38200 (2615MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2575.0000010	0.0004	2615.0000040	0.0015
-30	2574.9999990	-0.0004	2614.9999970	-0.0011
-20	2575.0000040	0.0016	2615.0000030	0.0011
-10	2574.9999990	-0.0004	2614.9999970	-0.0011
0	2574.9999980	-0.0008	2614.9999960	-0.0015
10	2574.9999960	-0.0016	2614.9999970	-0.0011
20	2575.0000010	0.0004	2615.0000020	0.0008
30	2575.0000010	0.0004	2614.9999960	-0.0015
40	2575.0000030	0.0012	2614.9999960	-0.0015
50	2575.0000010	0.0004	2614.9999960	-0.0015
60	2575.0000010	0.0004	2614.9999960	-0.0015
70	2575.0000020	0.0008	2614.9999970	-0.0011
80	2574.9999960	-0.0016	2614.9999970	-0.0011
85	2575.0000040	0.0016	2614.9999990	-0.0004

LTE Band 38, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37825 (2577.5MHz)		CH 38175 (2612.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2577.4999980	-0.0008	2612.5000010	0.0004
3.80	2577.4999990	-0.0004	2612.4999990	-0.0004
4.37	2577.4999990	-0.0004	2612.5000040	0.0015

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37825 (2577.5MHz)		CH 38175 (2612.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2577.4999970	-0.0012	2612.4999970	-0.0011
-30	2577.5000010	0.0004	2612.4999970	-0.0011
-20	2577.4999990	-0.0004	2612.5000010	0.0004
-10	2577.5000010	0.0004	2612.5000020	0.0008
0	2577.4999970	-0.0012	2612.4999960	-0.0015
10	2577.5000030	0.0012	2612.5000020	0.0008
20	2577.5000040	0.0016	2612.4999970	-0.0011
30	2577.5000030	0.0012	2612.5000010	0.0004
40	2577.4999960	-0.0016	2612.5000010	0.0004
50	2577.5000020	0.0008	2612.5000030	0.0011
60	2577.4999960	-0.0016	2612.5000010	0.0004
70	2577.5000030	0.0012	2612.4999960	-0.0015
80	2577.4999980	-0.0008	2612.5000020	0.0008
85	2577.5000040	0.0016	2612.5000010	0.0004

LTE Band 38, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 37850 (2580MHz)		CH 38150 (2610MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2580.0000030	0.0012	2609.9999980	-0.0008
3.80	2580.0000040	0.0016	2610.0000010	0.0004
4.37	2579.9999960	-0.0016	2610.0000040	0.0015

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 37850 (2580MHz)		CH 38150 (2610MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2580.0000010	0.0004	2609.9999970	-0.0011
-30	2579.9999970	-0.0012	2610.0000030	0.0011
-20	2579.9999970	-0.0012	2610.0000030	0.0011
-10	2580.0000030	0.0012	2610.0000020	0.0008
0	2579.9999980	-0.0008	2610.0000040	0.0015
10	2579.9999980	-0.0008	2610.0000040	0.0015
20	2579.9999960	-0.0016	2609.9999970	-0.0011
30	2580.0000020	0.0008	2610.0000020	0.0008
40	2580.0000040	0.0016	2610.0000010	0.0004
50	2580.0000040	0.0016	2610.0000040	0.0015
60	2579.9999960	-0.0016	2610.0000030	0.0011
70	2579.9999990	-0.0004	2610.0000020	0.0008
80	2579.9999980	-0.0008	2610.0000040	0.0015
85	2579.9999970	-0.0012	2610.0000030	0.0011

7.8.7 LTE Band 41

LTE Band 41, Channel Bandwidth: 5 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 40265 (2557.5MHz)		CH 41215 (2652.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2557.5000040	0.0016	2652.4999980	-0.0008
3.80	2557.5000020	0.0008	2652.4999980	-0.0008
4.37	2557.4999960	-0.0016	2652.5000010	0.0004

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 40265 (2557.5MHz)		CH 41215 (2652.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2557.5000040	0.0016	2652.4999980	-0.0008
-30	2557.5000020	0.0008	2652.5000020	0.0008
-20	2557.4999960	-0.0016	2652.4999990	-0.0004
-10	2557.5000040	0.0016	2652.5000030	0.0011
0	2557.4999990	-0.0004	2652.5000040	0.0015
10	2557.5000030	0.0012	2652.4999980	-0.0008
20	2557.4999960	-0.0016	2652.5000010	0.0004
30	2557.4999980	-0.0008	2652.4999970	-0.0011
40	2557.4999960	-0.0016	2652.5000010	0.0004
50	2557.4999970	-0.0012	2652.4999960	-0.0015
60	2557.5000020	0.0008	2652.4999990	-0.0004
70	2557.4999970	-0.0012	2652.5000040	0.0015
80	2557.5000040	0.0016	2652.5000020	0.0008
85	2557.5000030	0.0012	2652.4999980	-0.0008

LTE Band 41, Channel Bandwidth: 10 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 40290 (2560MHz)		CH 41190 (2650MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2559.9999980	-0.0008	2649.9999960	-0.0015
3.80	2559.9999990	-0.0004	2650.0000010	0.0004
4.37	2560.0000030	0.0012	2650.0000040	0.0015

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 40290 (2560MHz)		CH 41190 (2650MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2560.0000020	0.0008	2649.9999990	-0.0004
-30	2559.9999990	-0.0004	2649.9999970	-0.0011
-20	2560.0000020	0.0008	2650.0000010	0.0004
-10	2560.0000020	0.0008	2650.0000040	0.0015
0	2560.0000040	0.0016	2650.0000010	0.0004
10	2559.9999980	-0.0008	2649.9999980	-0.0008
20	2560.0000030	0.0012	2650.0000010	0.0004
30	2559.9999960	-0.0016	2650.0000010	0.0004
40	2560.0000010	0.0004	2650.0000040	0.0015
50	2560.0000020	0.0008	2649.9999990	-0.0004
60	2559.9999990	-0.0004	2650.0000040	0.0015
70	2560.0000010	0.0004	2649.9999990	-0.0004
80	2559.9999970	-0.0012	2649.9999960	-0.0015
85	2560.0000030	0.0012	2650.0000010	0.0004

LTE Band 41, Channel Bandwidth: 15 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 40315 (2562.5MHz)		CH 41165 (2647.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2562.4999970	-0.0012	2647.4999990	-0.0004
3.80	2562.5000010	0.0004	2647.4999960	-0.0015
4.37	2562.4999980	-0.0008	2647.4999980	-0.0008

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 40315 (2562.5MHz)		CH 41165 (2647.5MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2562.5000040	0.0016	2647.4999990	-0.0004
-30	2562.4999970	-0.0012	2647.4999970	-0.0011
-20	2562.4999970	-0.0012	2647.4999990	-0.0004
-10	2562.4999960	-0.0016	2647.4999970	-0.0011
0	2562.4999960	-0.0016	2647.5000010	0.0004
10	2562.5000030	0.0012	2647.4999960	-0.0015
20	2562.5000010	0.0004	2647.5000030	0.0011
30	2562.4999970	-0.0012	2647.5000030	0.0011
40	2562.4999990	-0.0004	2647.4999970	-0.0011
50	2562.5000020	0.0008	2647.4999960	-0.0015
60	2562.5000010	0.0004	2647.5000010	0.0004
70	2562.4999990	-0.0004	2647.4999960	-0.0015
80	2562.4999970	-0.0012	2647.5000020	0.0008
85	2562.5000040	0.0016	2647.4999990	-0.0004

LTE Band 41, Channel Bandwidth: 20 MHz

Frequency Stability Versus Voltage				
Voltage (Vdc)	CH 40340 (2565MHz)		CH 41140 (2645MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
3.23	2564.9999990	-0.0004	2645.0000030	0.0011
3.80	2564.9999960	-0.0016	2644.9999960	-0.0015
4.37	2564.9999990	-0.0004	2644.9999980	-0.0008

Note: The applicant defined the normal working voltage is from 3.23 to 4.37 Vdc.

Frequency Stability Versus Temperature				
Temperature (°C)	CH 40340 (2565MHz)		CH 41140 (2645MHz)	
	Frequency (MHz)	Frequency Error (ppm)	Frequency (MHz)	Frequency Error (ppm)
-40	2565.0000010	0.0004	2644.9999960	-0.0015
-30	2565.0000030	0.0012	2644.9999970	-0.0011
-20	2565.0000020	0.0008	2644.9999980	-0.0008
-10	2565.0000010	0.0004	2645.0000040	0.0015
0	2564.9999990	-0.0004	2644.9999970	-0.0011
10	2564.9999970	-0.0012	2644.9999970	-0.0011
20	2565.0000040	0.0016	2645.0000020	0.0008
30	2565.0000020	0.0008	2645.0000020	0.0008
40	2564.9999980	-0.0008	2645.0000010	0.0004
50	2565.0000040	0.0016	2644.9999960	-0.0015
60	2564.9999960	-0.0016	2644.9999970	-0.0011
70	2565.0000030	0.0012	2645.0000020	0.0008
80	2564.9999970	-0.0012	2644.9999990	-0.0004
85	2564.9999990	-0.0004	2645.0000030	0.0011

8 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo)

9 Information of the Testing Laboratories

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

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

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