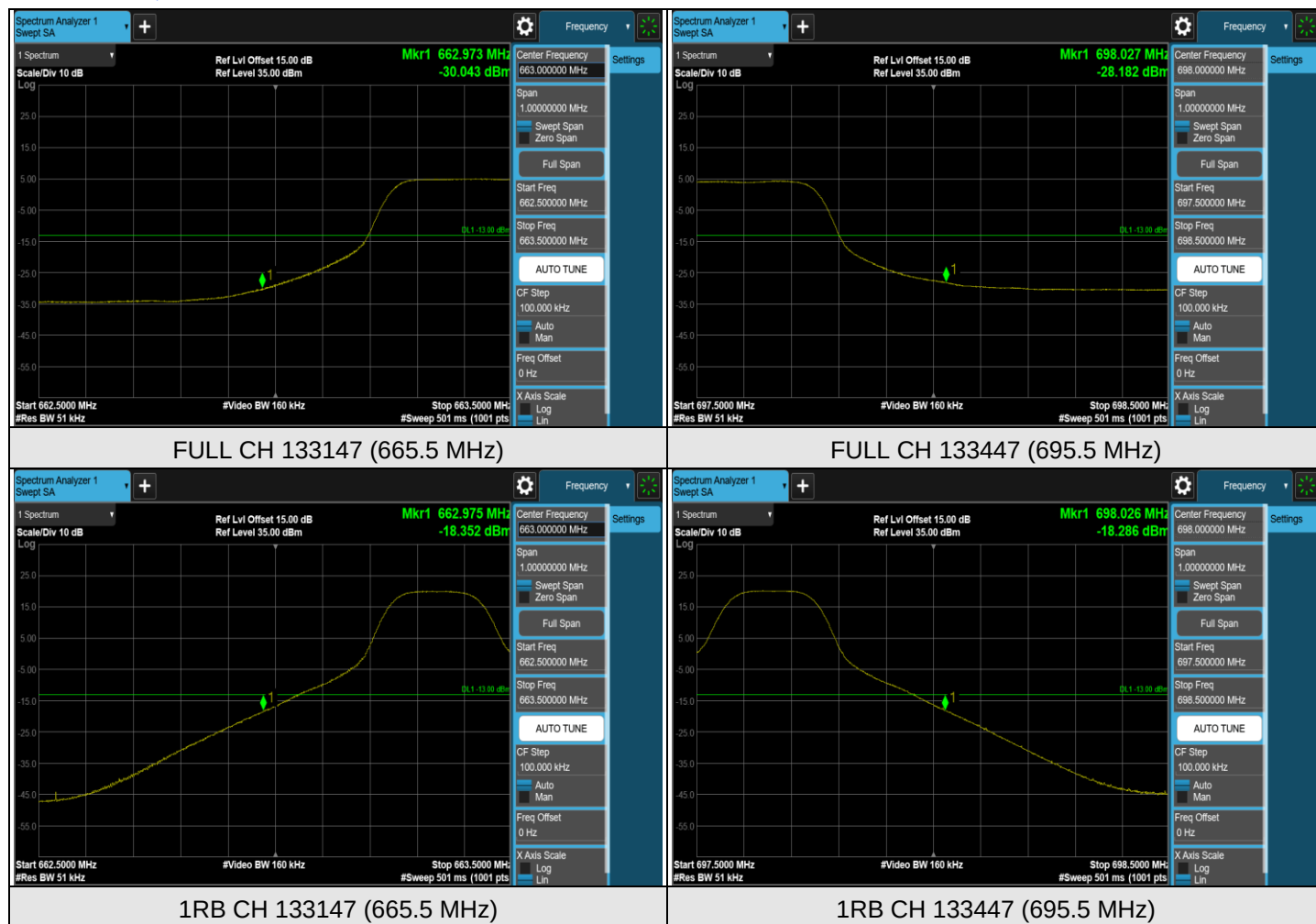
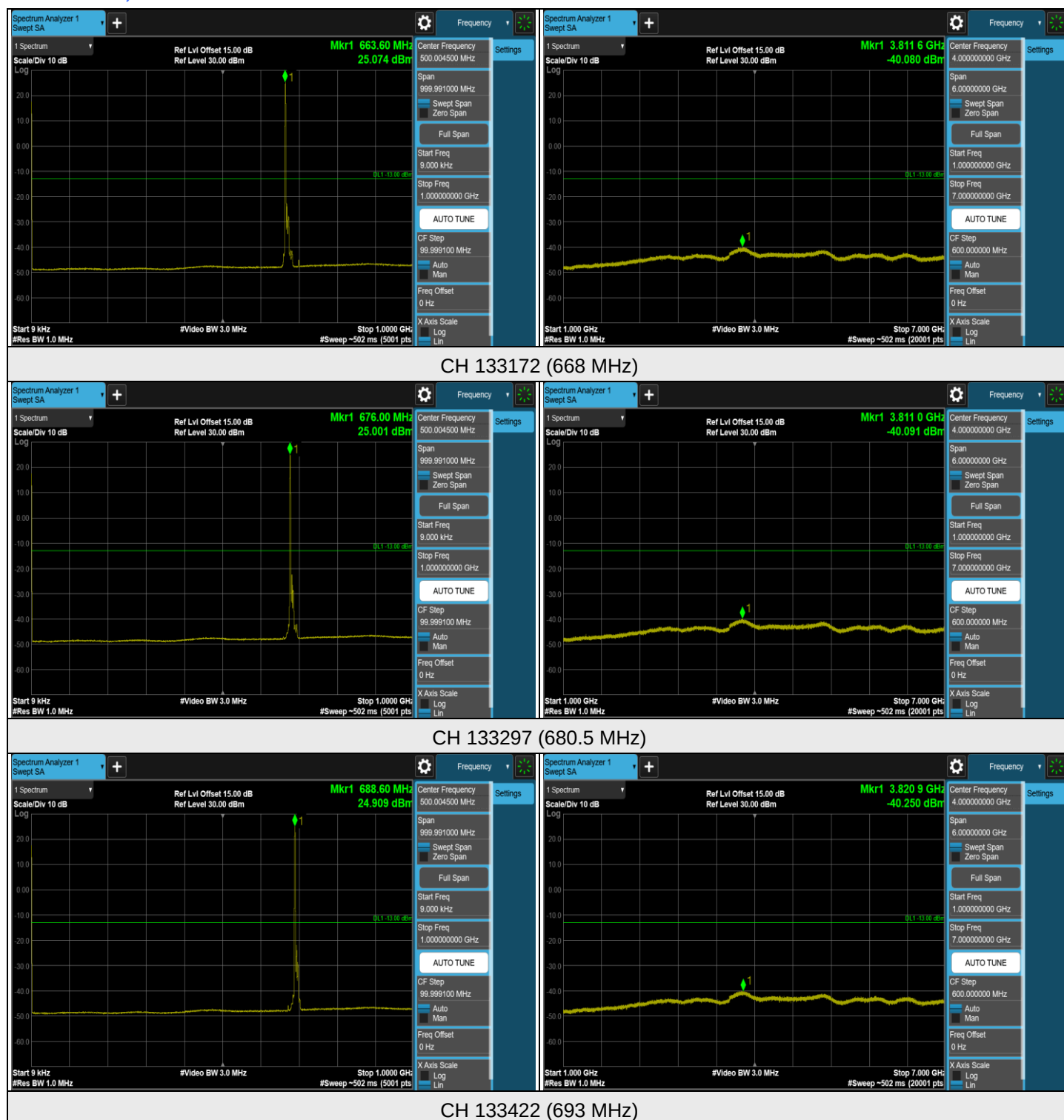


LTE Band 71, Channel Bandwidth: 5 MHz

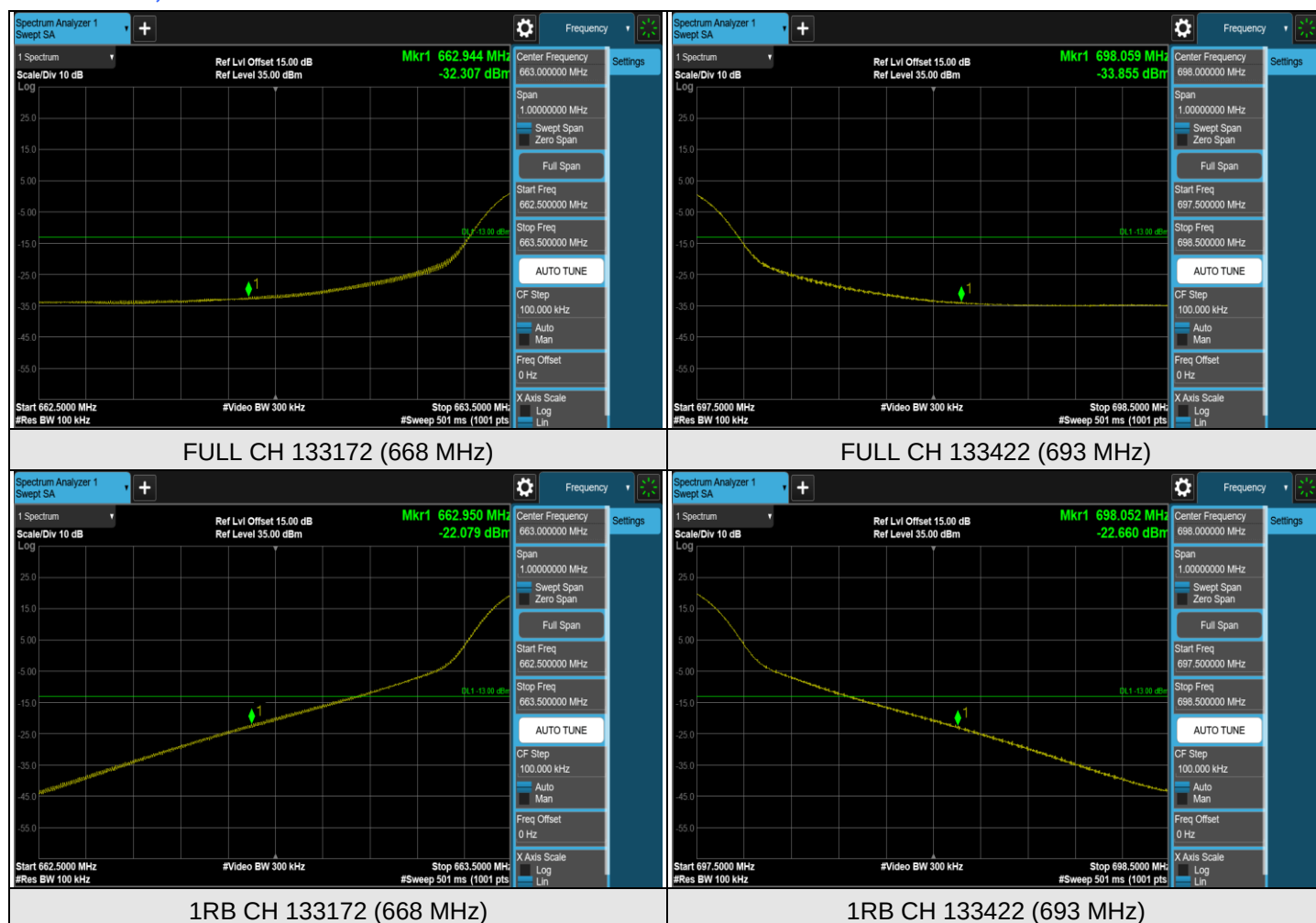


LTE Band 71, Channel Bandwidth: 10 MHz

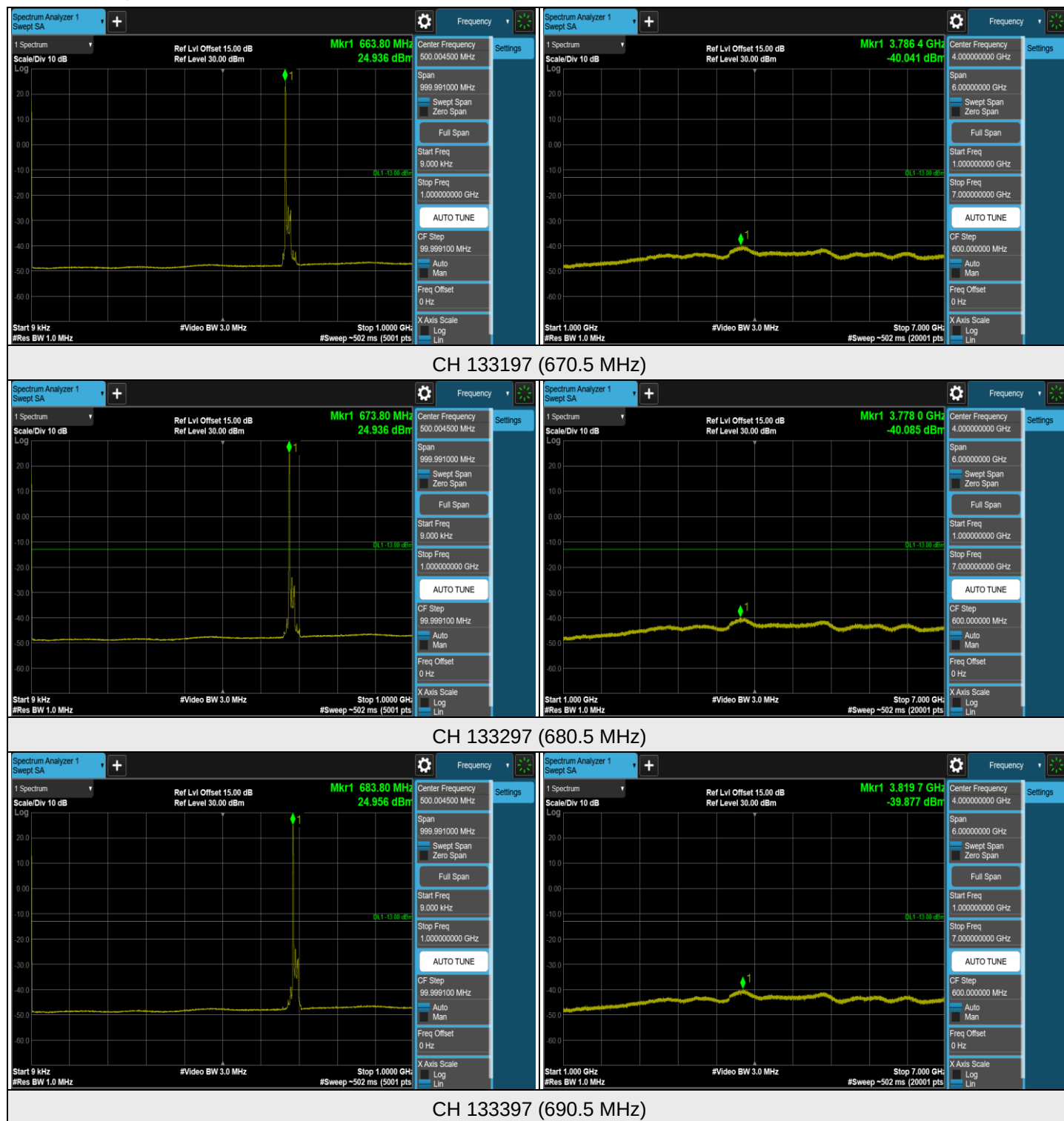


Note: The signal at 9 kHz is IF signal from spectrum analyzer.

LTE Band 71, Channel Bandwidth: 10 MHz

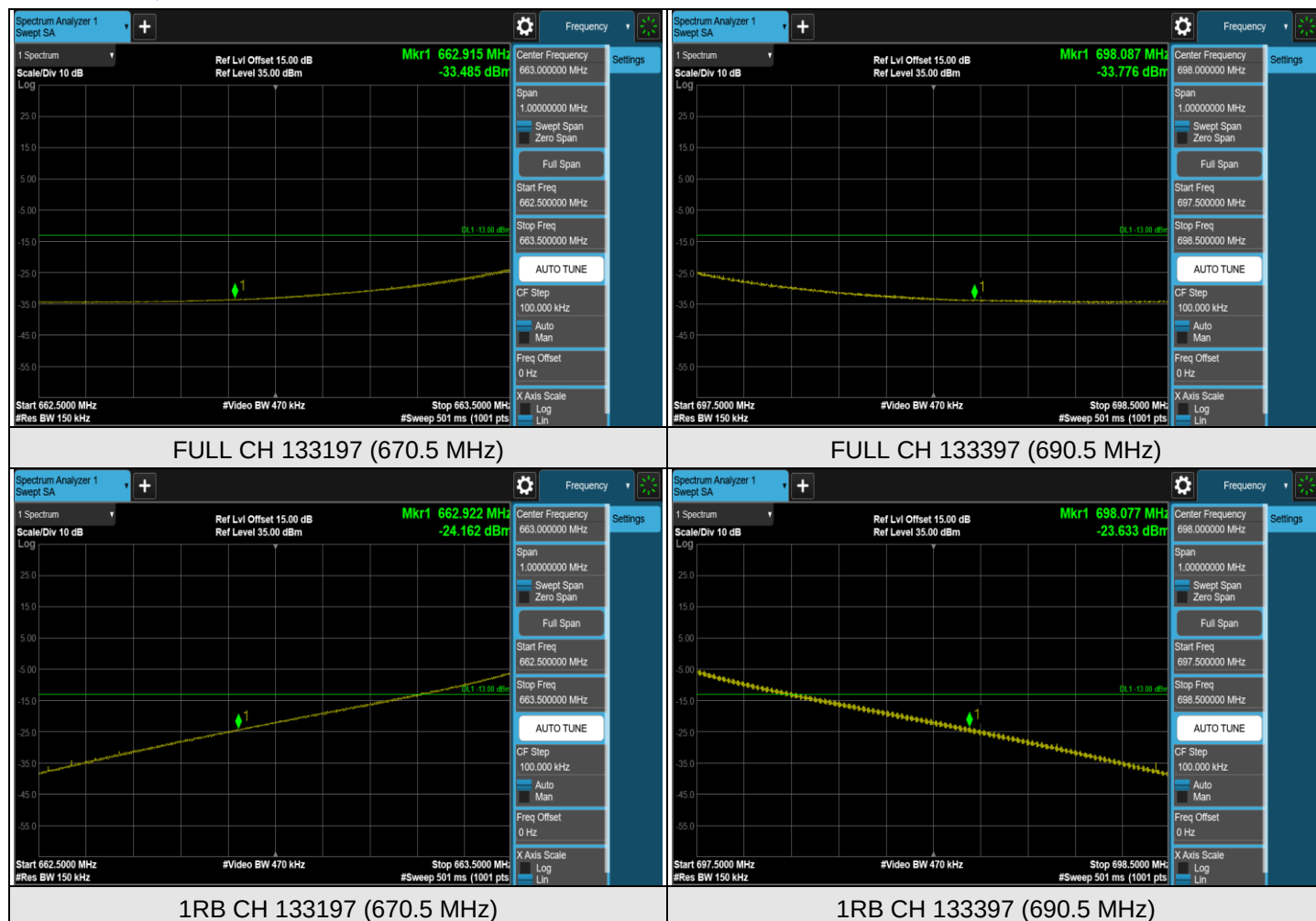


LTE Band 71, Channel Bandwidth: 15 MHz



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

LTE Band 71, Channel Bandwidth: 15 MHz



LTE Band 71, Channel Bandwidth: 20 MHz



CH 133222 (673 MHz)



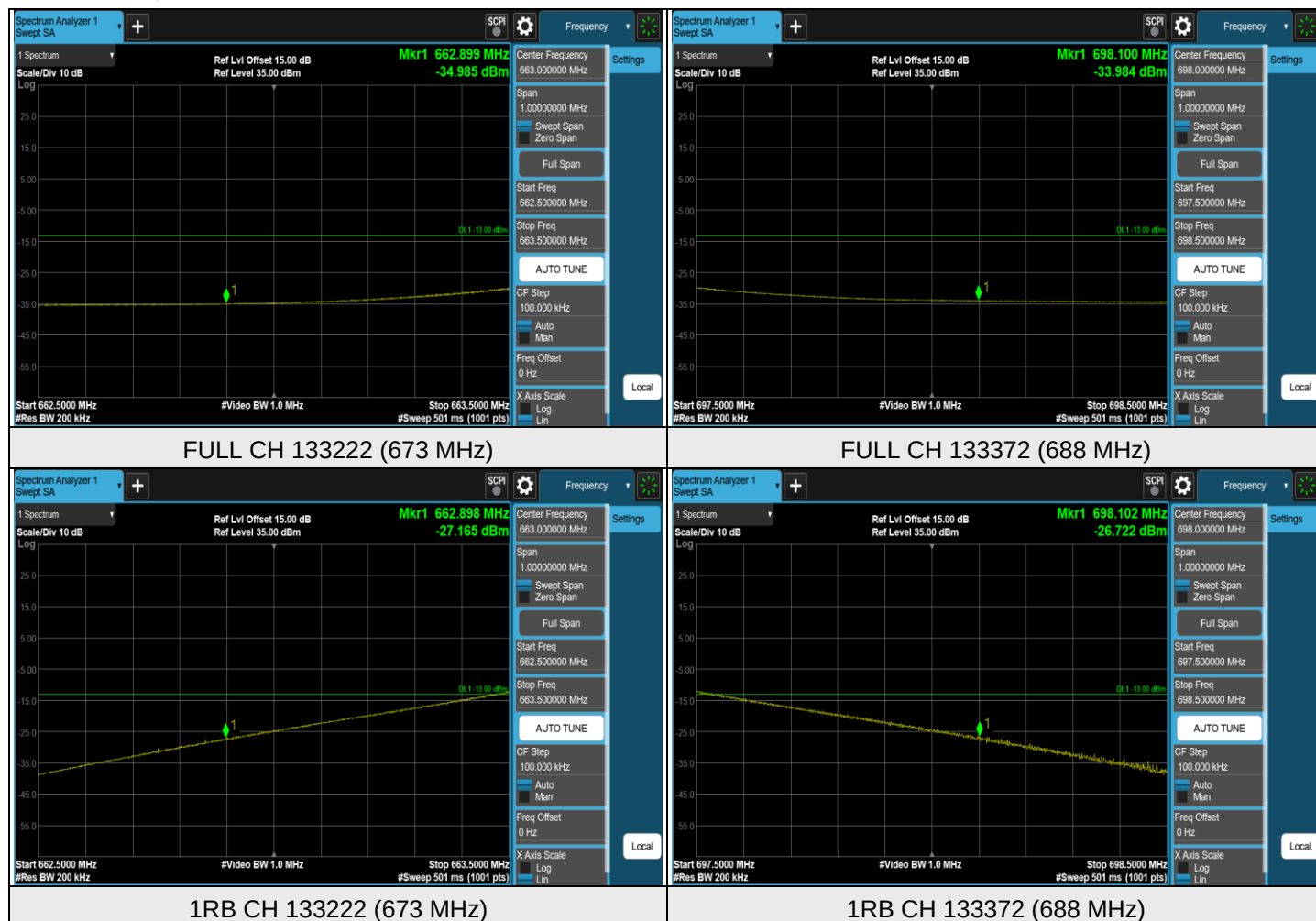
CH 133297 (680.5 MHz)



CH 133372 (688 MHz)

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

LTE Band 71, Channel Bandwidth: 20 MHz



7.6 Radiated Spurious Emissions below 1GHz

With shielding case

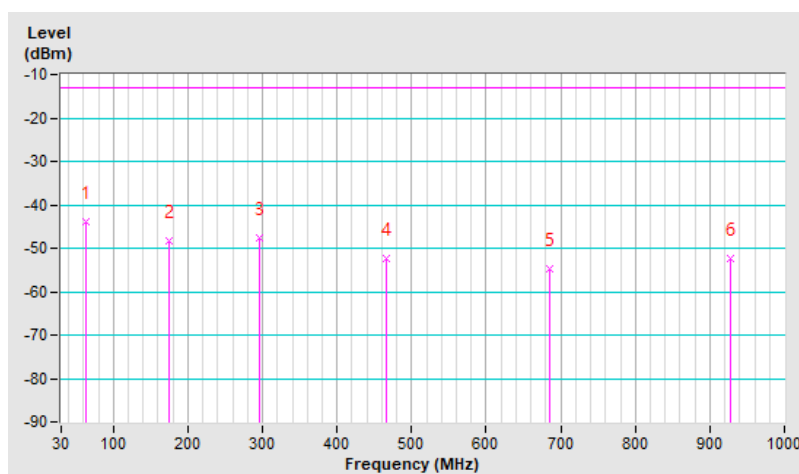
7.6.1 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	63.95	-43.77	-13.00	-30.77	2.00 H	215	65.35	-109.12
2	174.53	-48.15	-13.00	-35.15	1.00 H	71	60.65	-108.80
3	295.78	-47.61	-13.00	-34.61	1.50 H	111	59.84	-107.45
4	465.53	-52.26	-13.00	-39.26	1.00 H	234	50.75	-103.01
5	685.72	-54.79	-13.00	-41.79	2.00 H	156	44.01	-98.80
6	928.22	-52.22	-13.00	-39.22	1.00 H	183	43.41	-95.63

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

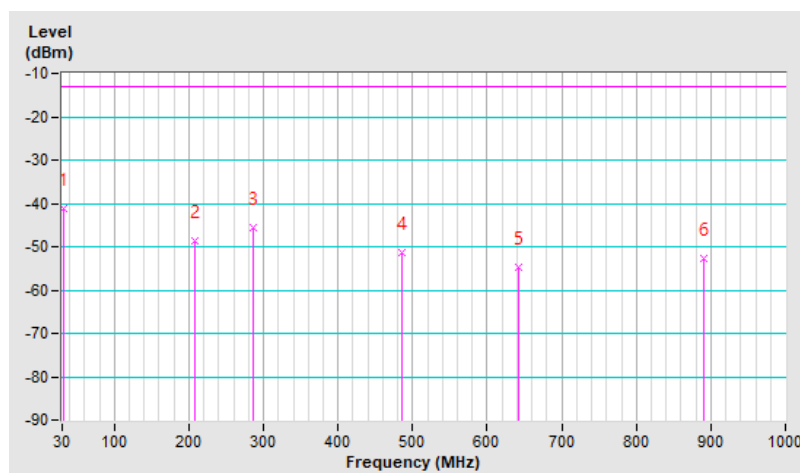


RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	Channel	CH 18900 : 1880 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-41.32	-13.00	-28.32	1.50 V	34	67.27	-108.59
2	208.48	-48.70	-13.00	-35.70	1.00 V	173	62.42	-111.12
3	287.05	-45.76	-13.00	-32.76	2.00 V	202	61.90	-107.66
4	485.90	-51.47	-13.00	-38.47	1.50 V	19	51.13	-102.60
5	643.04	-54.82	-13.00	-41.82	1.50 V	165	44.49	-99.31
6	890.39	-52.65	-13.00	-39.65	1.00 V	212	43.34	-95.99

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.



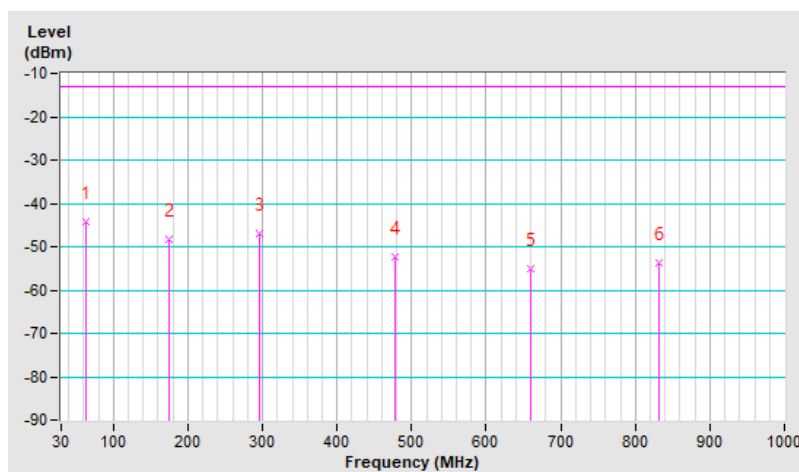
7.6.2 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20300 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	63.95	-44.24	-13.00	-31.24	2.00 H	224	64.88	-109.12
2	174.53	-48.22	-13.00	-35.22	1.00 H	77	60.58	-108.80
3	296.75	-47.10	-13.00	-34.10	1.50 H	180	60.31	-107.41
4	478.14	-52.42	-13.00	-39.42	1.00 H	20	50.38	-102.80
5	659.53	-55.21	-13.00	-42.21	2.00 H	167	44.02	-99.23
6	831.22	-53.80	-13.00	-40.80	1.00 H	236	42.37	-96.17

Remarks:

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

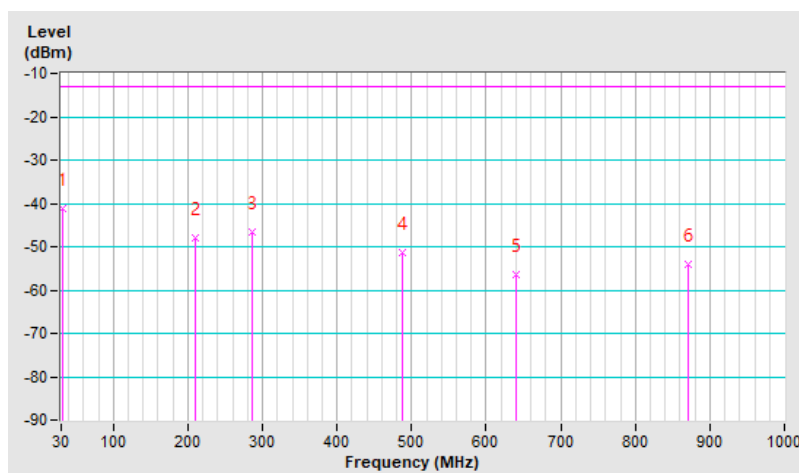


RF Mode	LTE Band 4 Channel Bandwidth: 20MHz	Channel	CH 20300 : 1745 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-41.18	-13.00	-28.18	1.00 V	133	67.41	-108.59
2	209.45	-47.88	-13.00	-34.88	1.00 V	170	63.23	-111.11
3	287.05	-46.45	-13.00	-33.45	2.00 V	204	61.21	-107.66
4	487.84	-51.52	-13.00	-38.52	1.00 V	86	51.02	-102.54
5	641.10	-56.35	-13.00	-43.35	1.50 V	170	43.00	-99.35
6	870.02	-54.08	-13.00	-41.08	2.00 V	319	42.00	-96.08

Remarks:

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



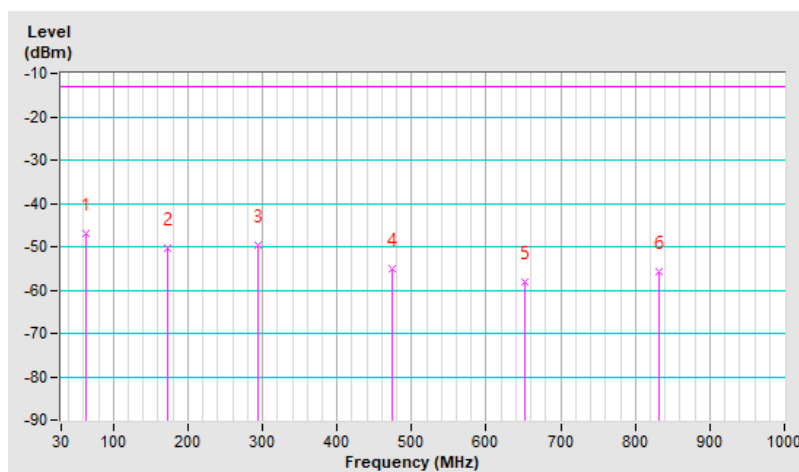
7.6.3 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 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	21 °C, 65 % RH
Tested By	vincent chen		

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	63.95	-46.81	-13.00	-33.81	2.00 H	217	64.46	-111.27
2	173.56	-50.48	-13.00	-37.48	1.00 H	72	60.39	-110.87
3	294.81	-49.69	-13.00	-36.69	1.50 H	156	59.93	-109.62
4	473.29	-55.00	-13.00	-42.00	1.00 H	289	50.02	-105.02
5	652.74	-58.15	-13.00	-45.15	1.50 H	18	43.27	-101.42
6	831.22	-55.87	-13.00	-42.87	2.00 H	1	42.45	-98.32

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.

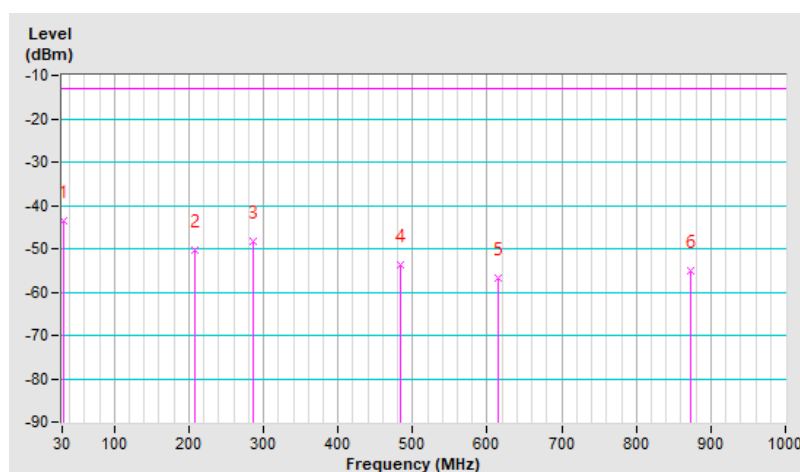


RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	Channel	CH 20525 : 836.5 MHz
Frequency Range	30 MHz ~ 1 GHz	Detector Function & Bandwidth	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	Environmental Conditions	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	ERP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-43.49	-13.00	-30.49	1.00 V	148	67.25	-110.74
2	207.51	-50.49	-13.00	-37.49	1.00 V	169	62.79	-113.28
3	287.05	-48.16	-13.00	-35.16	1.50 V	198	61.65	-109.81
4	482.99	-53.56	-13.00	-40.56	2.00 V	25	51.27	-104.83
5	614.91	-56.69	-13.00	-43.69	1.00 V	168	45.41	-102.10
6	872.93	-55.23	-13.00	-42.23	2.00 V	7	42.99	-98.22

Remarks:

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



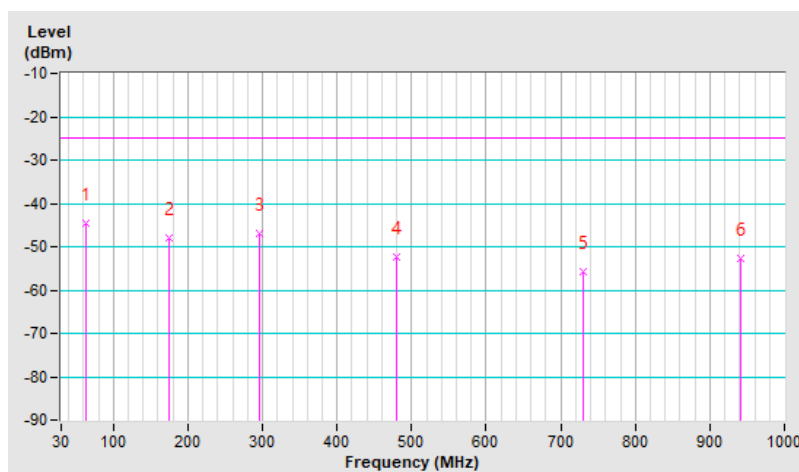
7.6.4 LTE Band 7

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	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	63.95	-44.71	-25.00	-19.71	2.00 H	218	64.41	-109.12
2	174.53	-48.05	-25.00	-23.05	1.00 H	82	60.75	-108.80
3	296.75	-46.92	-25.00	-21.92	1.50 H	18	60.49	-107.41
4	479.11	-52.22	-25.00	-27.22	2.00 H	288	50.56	-102.78
5	729.37	-55.83	-25.00	-30.83	1.50 H	140	41.74	-97.57
6	941.80	-52.60	-25.00	-27.60	1.00 H	132	42.93	-95.53

Remarks:

1. $EIRP(dBm) = Raw\ Value(dBuV) + Correction\ Factor(dB/m)$
2. $Correction\ Factor(dB/m) = Antenna\ Factor(dB/m) + Cable\ Factor(dB) - Pre-Amplifier\ Factor(dB) + 20\log(D) - 104.8$
3. $Margin\ value = EIRP - Limit\ value$
4. The other EIRP levels were very low against the limit 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	21 °C, 65 % RH
Tested By	vincent chen		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Margin (dB)	Antenna Height (m)	Table Angle (Degree)	Raw Value (dBuV)	Correction Factor (dB/m)
1	31.94	-41.32	-25.00	-16.32	1.00 V	133	67.27	-108.59
2	209.45	-48.09	-25.00	-23.09	1.00 V	172	63.02	-111.11
3	283.17	-46.49	-25.00	-21.49	1.50 V	202	61.28	-107.77
4	485.90	-51.35	-25.00	-26.35	1.00 V	25	51.25	-102.60
5	656.62	-56.29	-25.00	-31.29	2.00 V	163	42.95	-99.24
6	876.81	-53.19	-25.00	-28.19	1.50 V	350	42.90	-96.09

Remarks:

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

