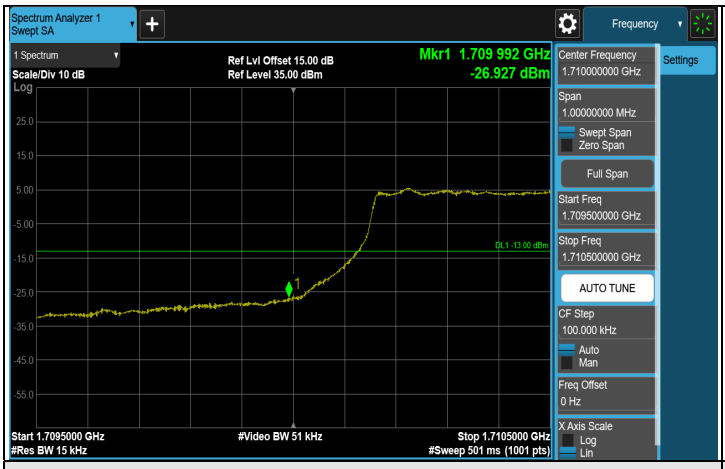
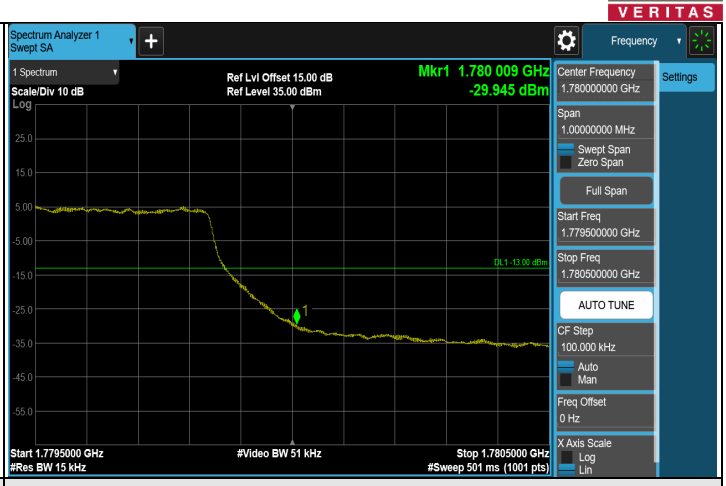
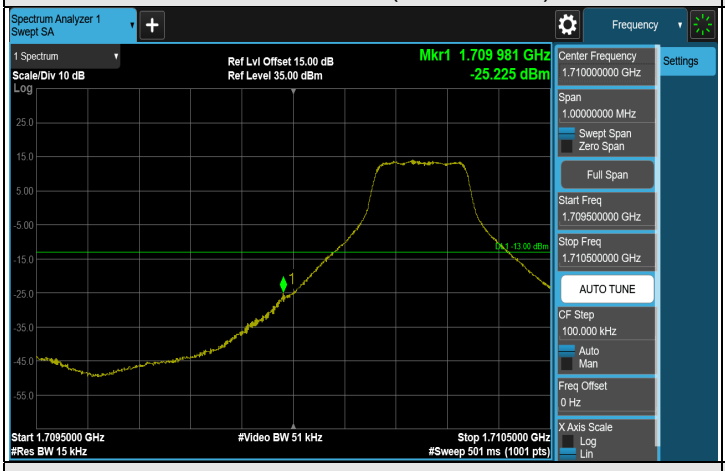


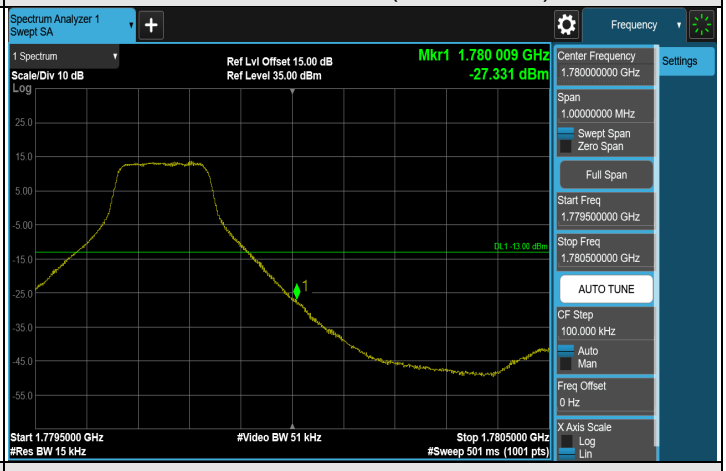
FULL CH 131979 (1710.7 MHz)



FULL CH 132665 (1779.3 MHz)

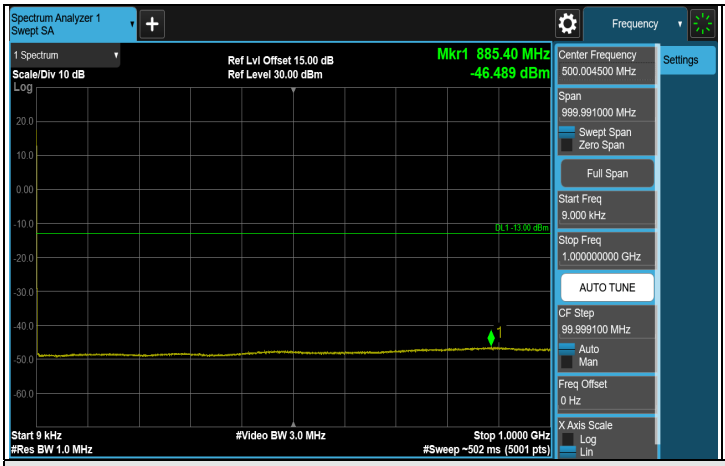


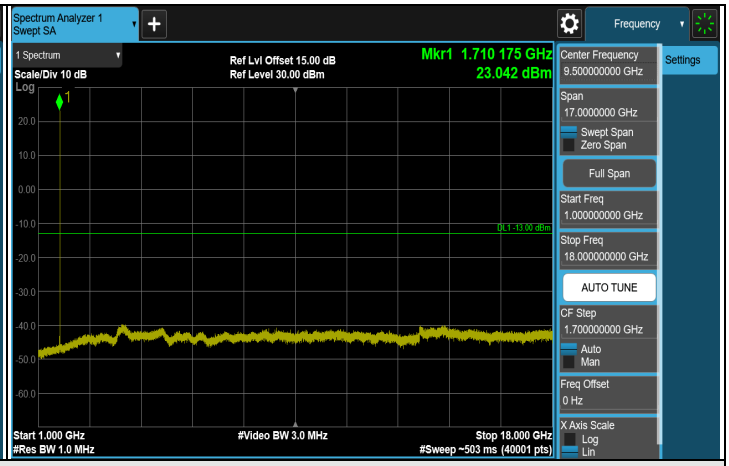
1RB CH 131979 (1710.7 MHz)



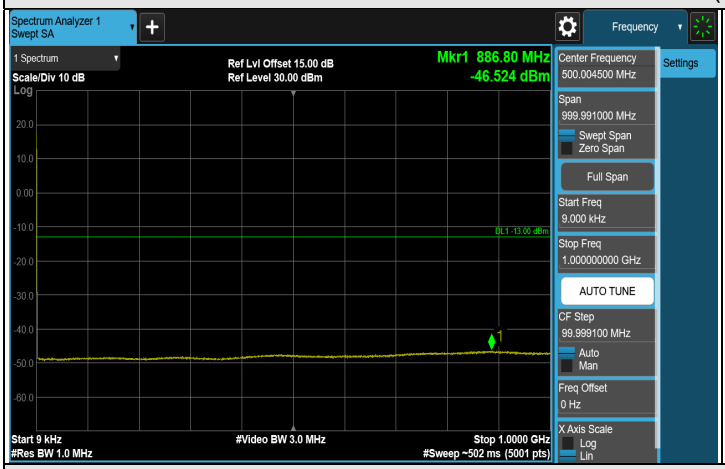
1RB CH 132665 (1779.3 MHz)

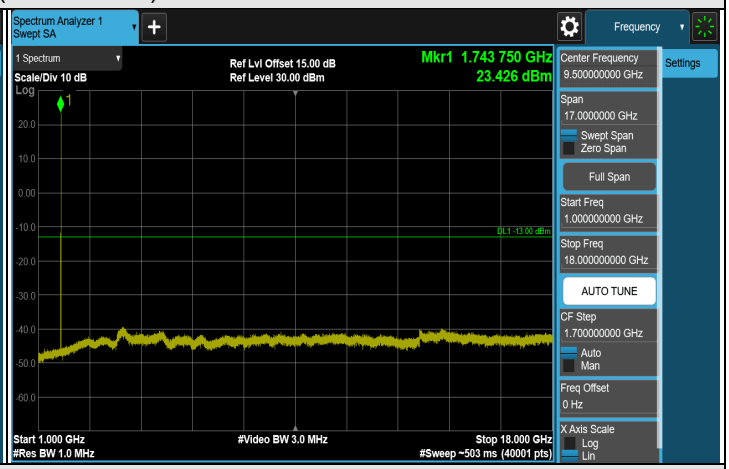
LTE Band 66, Channel Bandwidth: 3 MHz



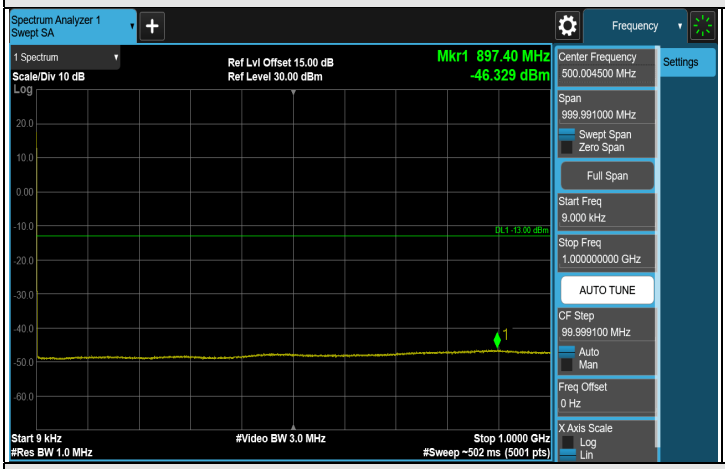


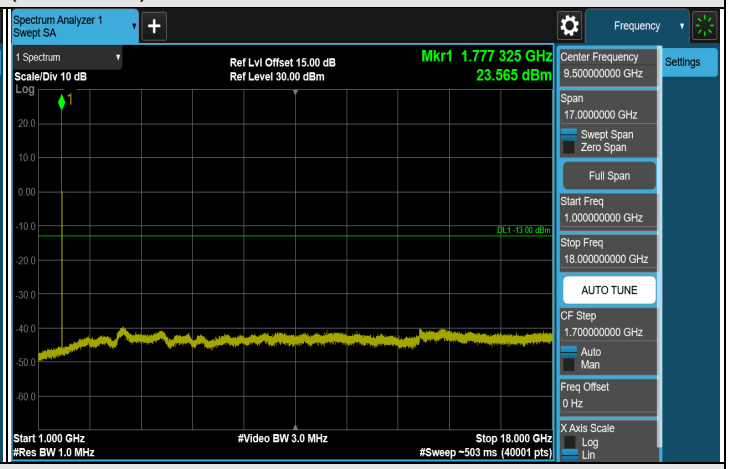
CH 131987 (1711.5 MHz)





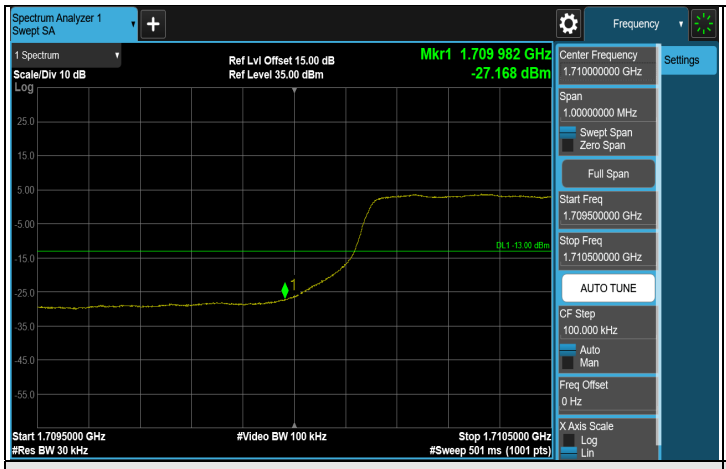
CH 132322 (1745 MHz)



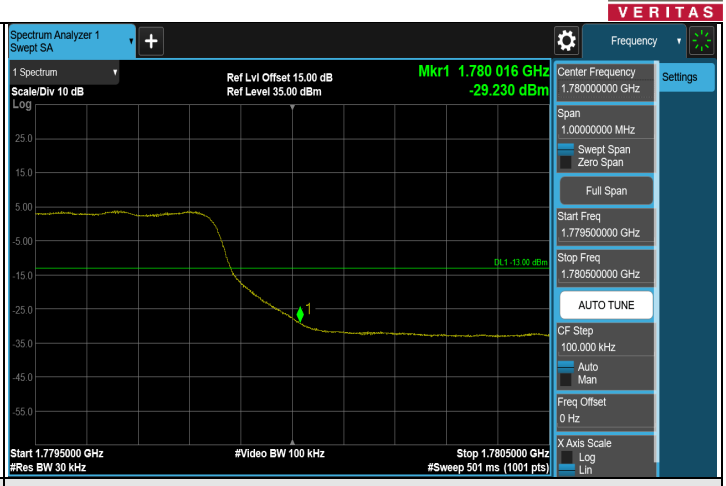


CH 132657 (1778.5 MHz)

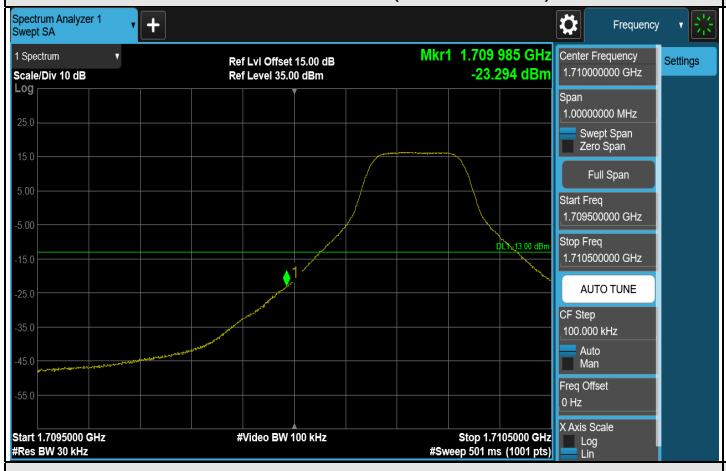
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



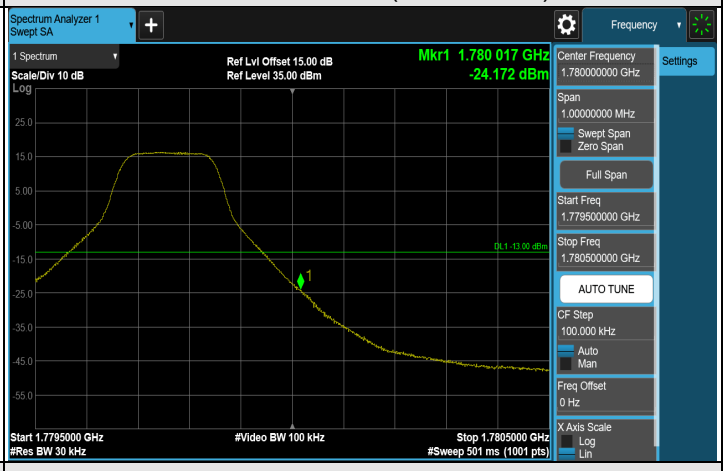
FULL CH 131987 (1711.5 MHz)



FULL CH 132657 (1778.5 MHz)

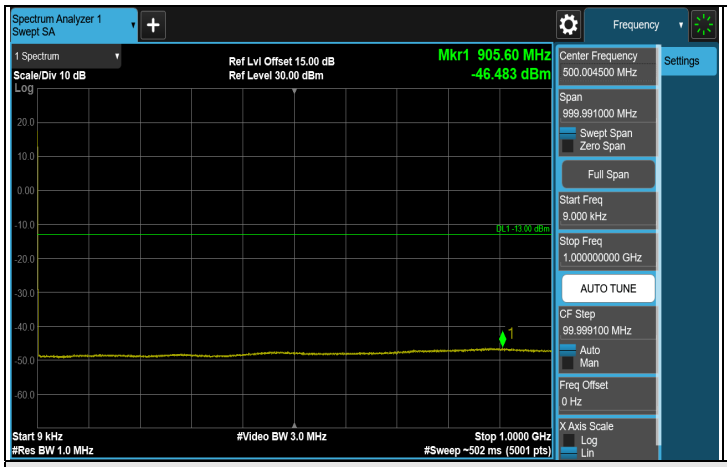


1RB CH 131987 (1711.5 MHz)

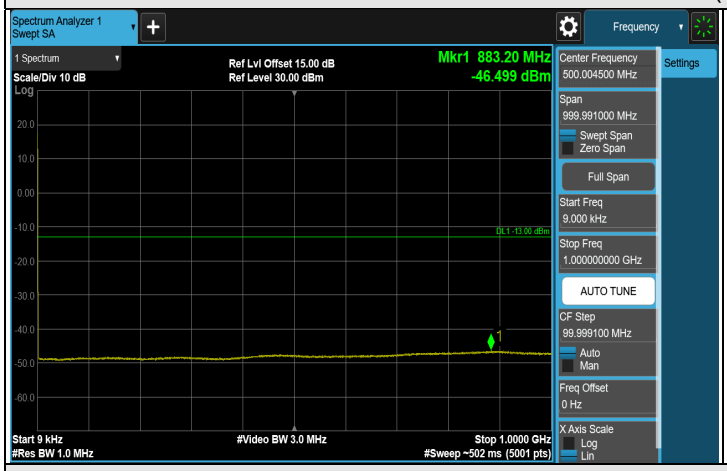


1RB CH 132657 (1778.5 MHz)

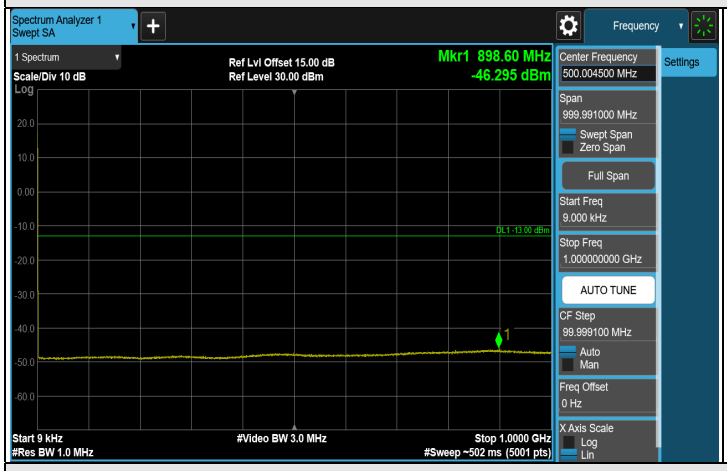
LTE Band 66, Channel Bandwidth: 5 MHz



CH 131997 (1712.5 MHz)

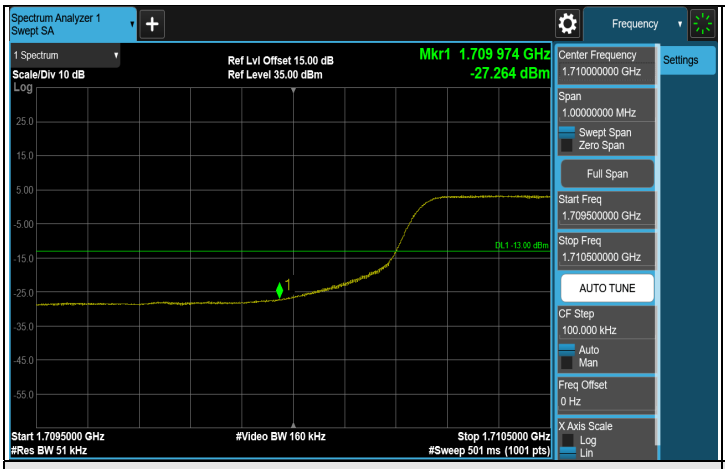


CH 132322 (1745 MHz)

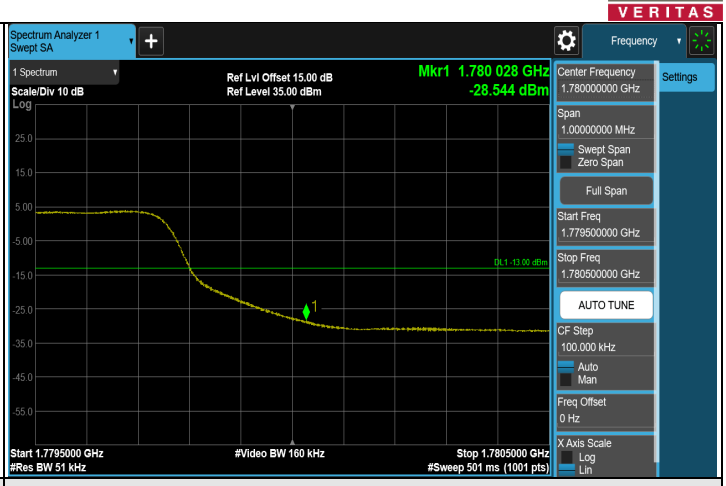


CH 132647 (1777.5 MHz)

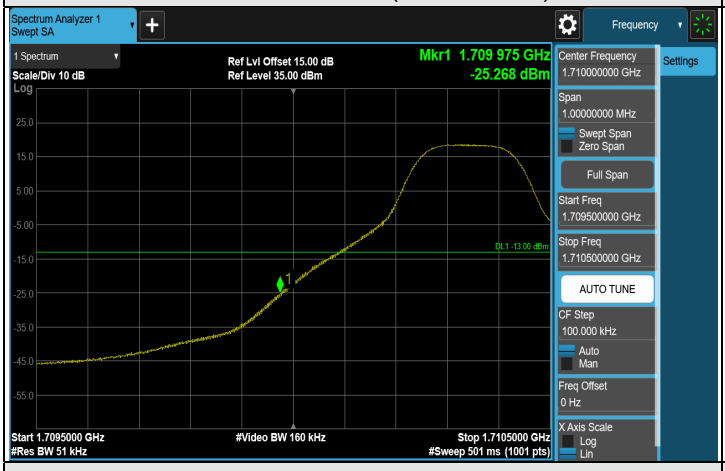
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



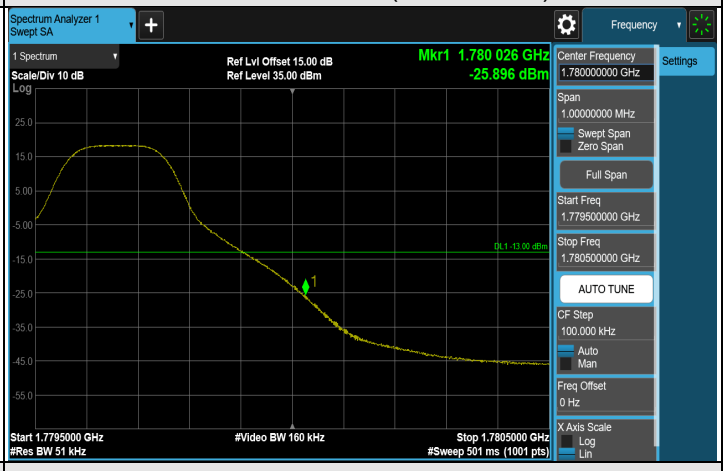
FULL CH 131997 (1712.5 MHz)



FULL CH 132647 (1777.5 MHz)

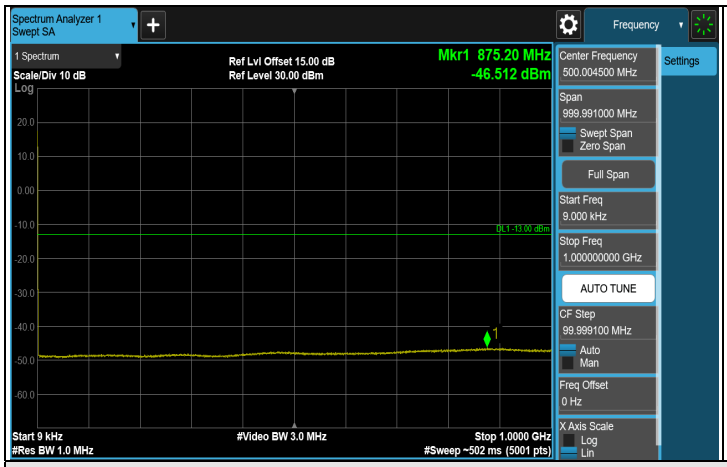


1RB CH 131997 (1712.5 MHz)

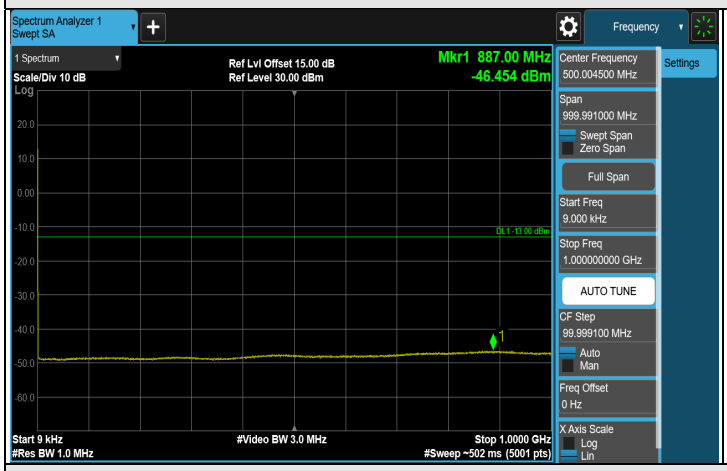


1RB CH 132647 (1777.5 MHz)

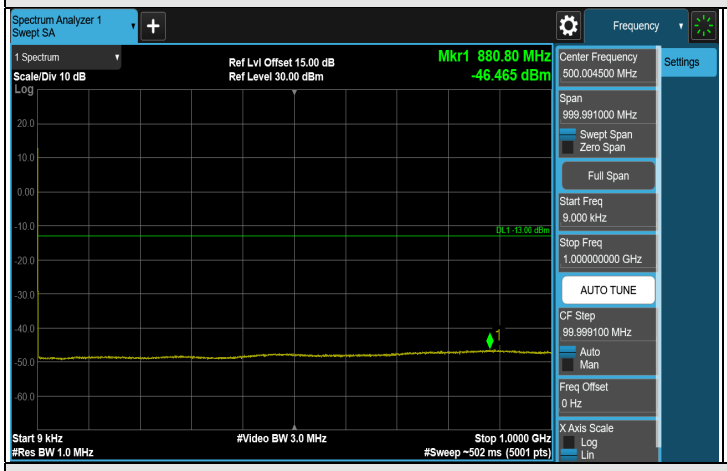
LTE Band 66, Channel Bandwidth: 10 MHz



CH 132022 (1715 MHz)

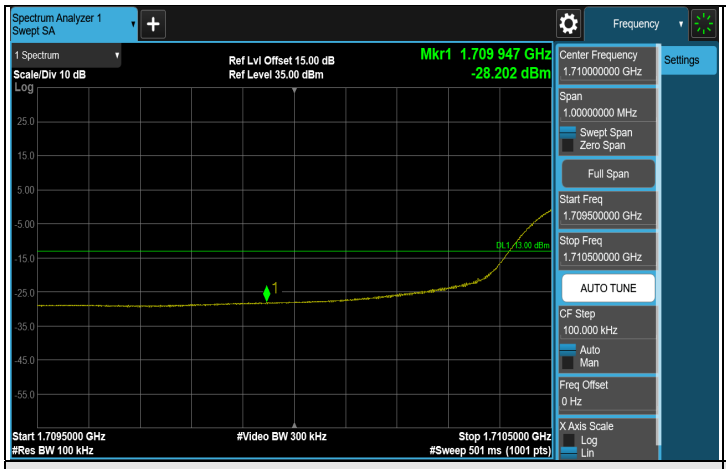


CH 132322 (1745 MHz)

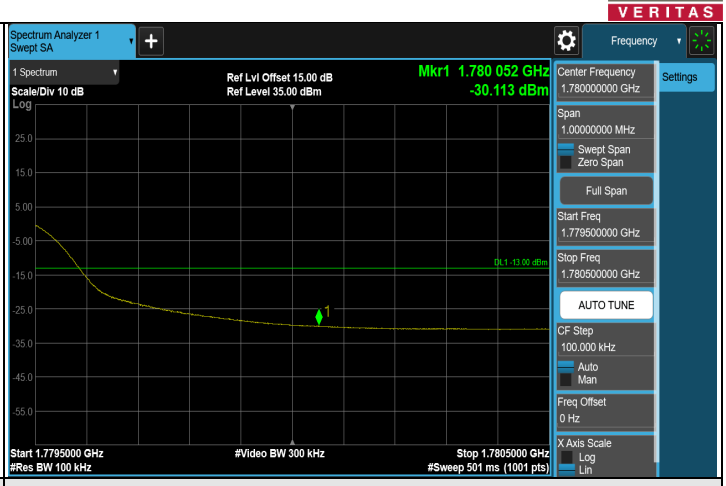


CH 132622 (1775 MHz)

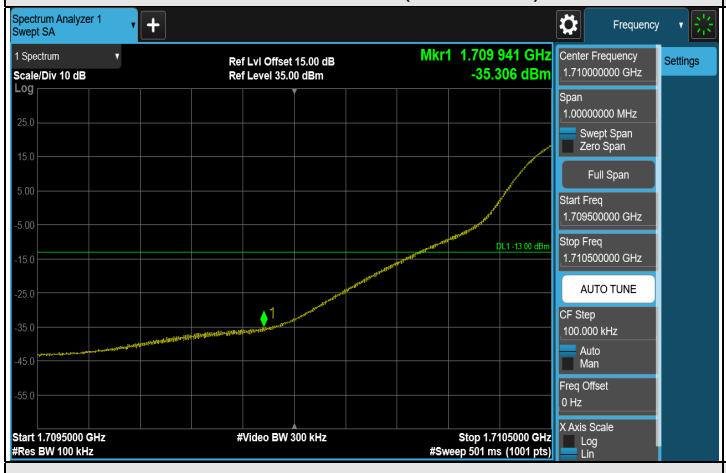
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



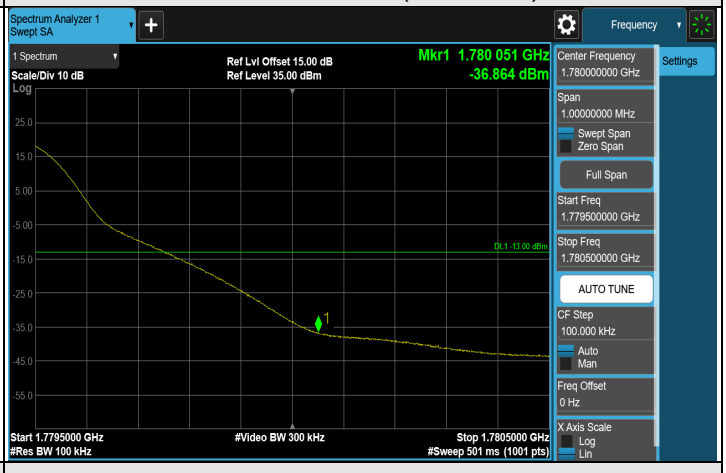
FULL CH 132022 (1715 MHz)



FULL CH 132622 (1775 MHz)

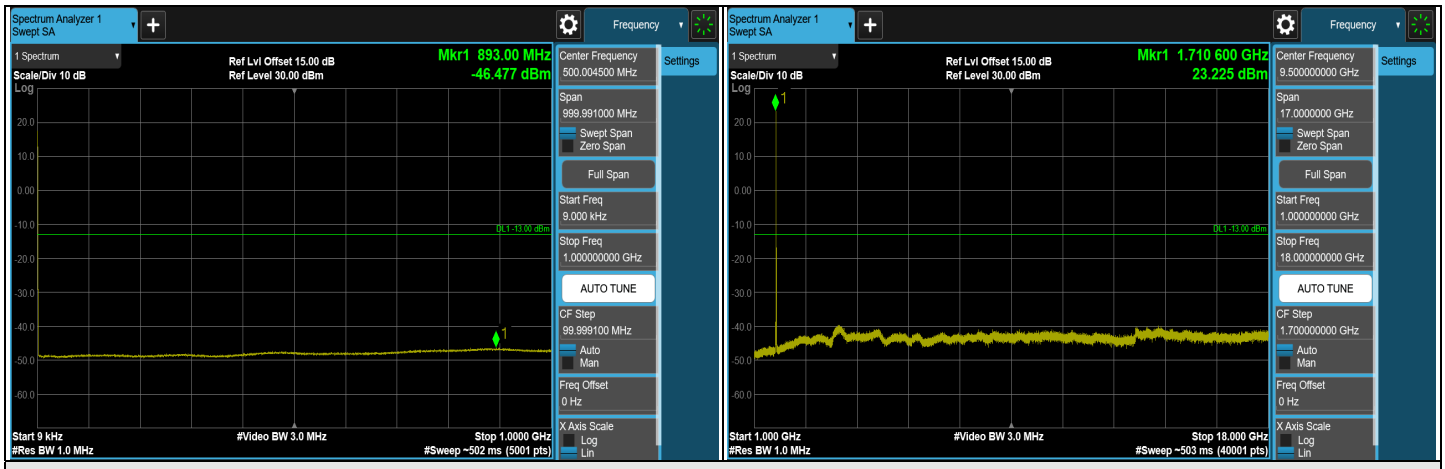


1RB CH 132022 (1715 MHz)

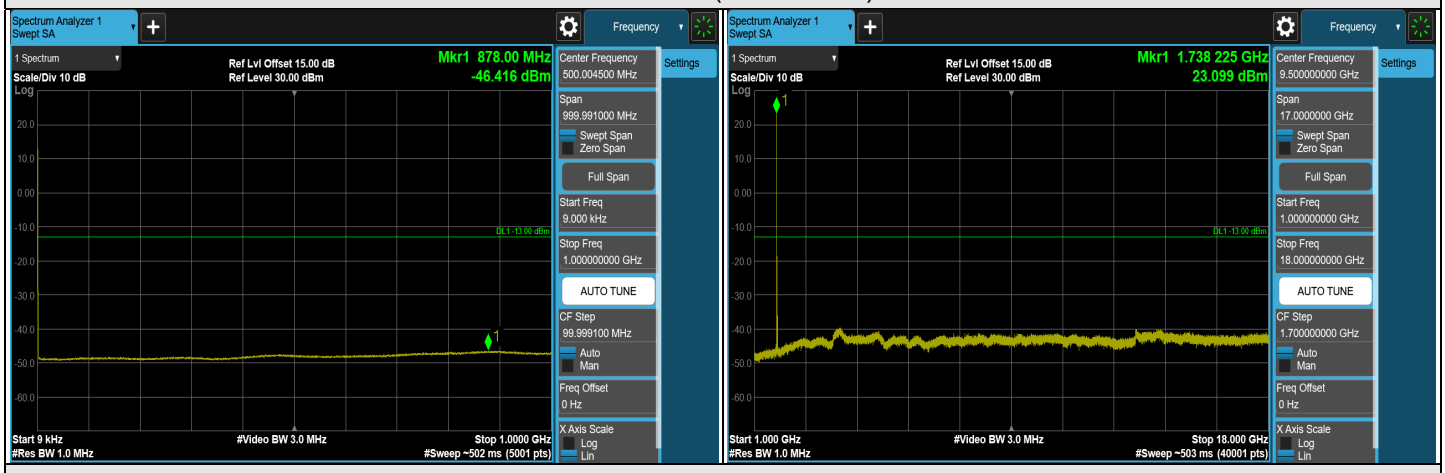


1RB CH 132622 (1775 MHz)

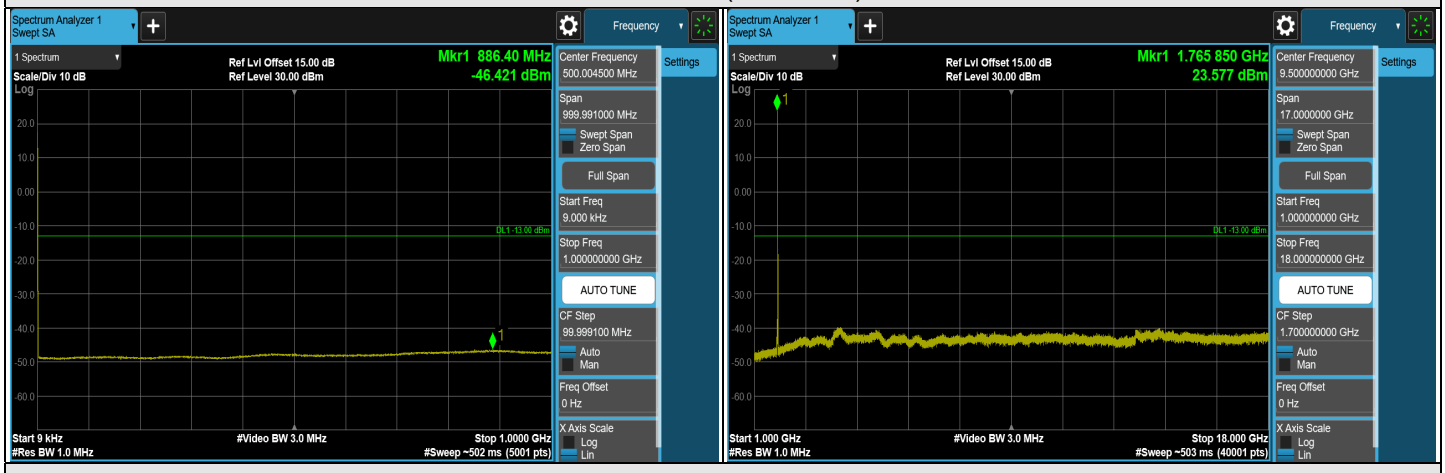
LTE Band 66, Channel Bandwidth: 15 MHz



CH 132047 (1717.5 MHz)

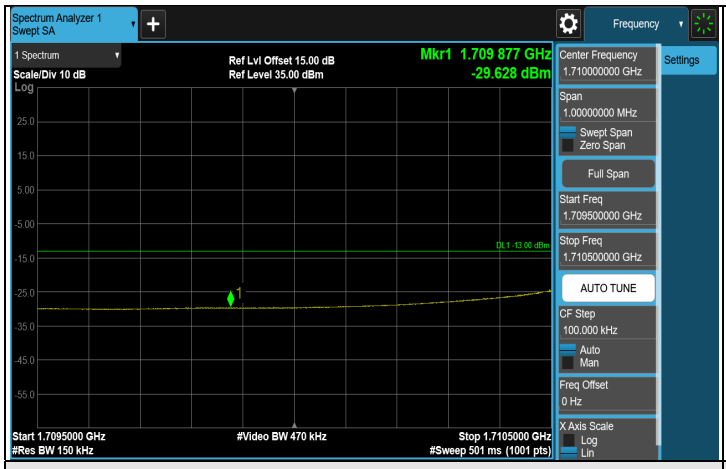


CH 132322 (1745 MHz)

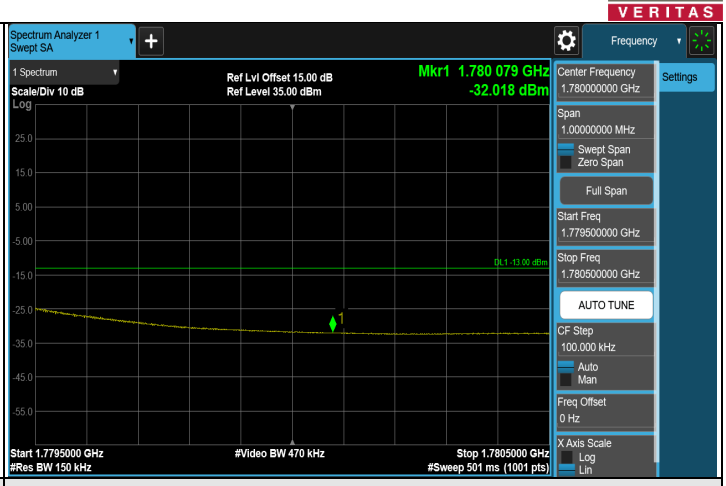


CH 132597 (1772.5 MHz)

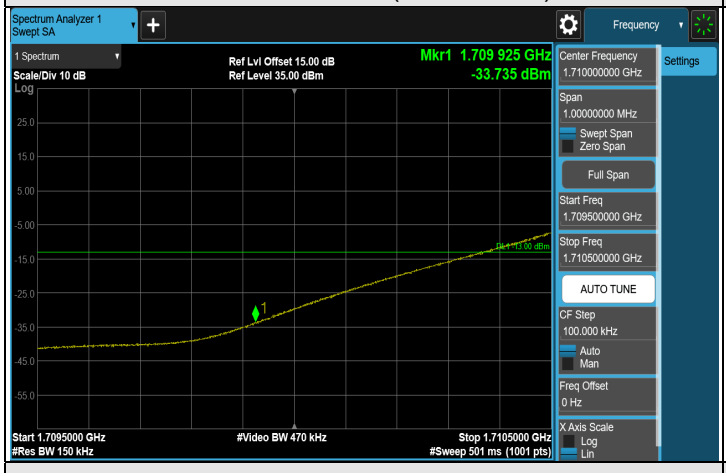
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



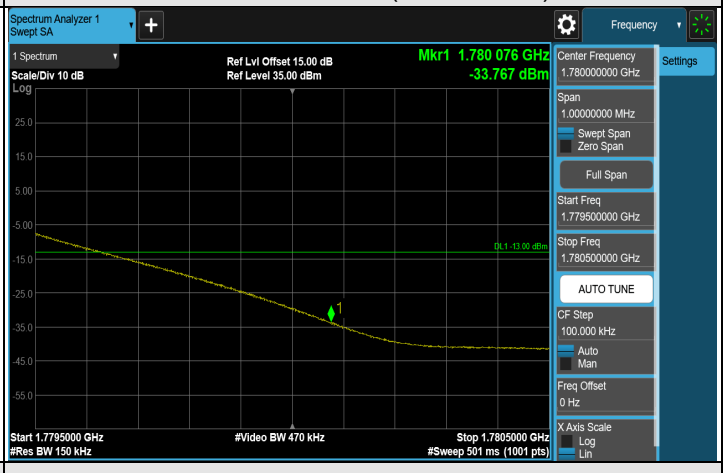
FULL CH 132047 (1717.5 MHz)



FULL CH 132597 (1772.5 MHz)

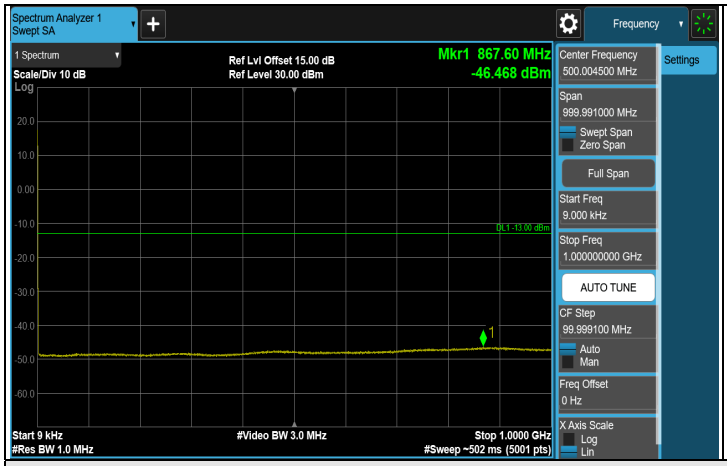


1RB CH 132047 (1717.5 MHz)

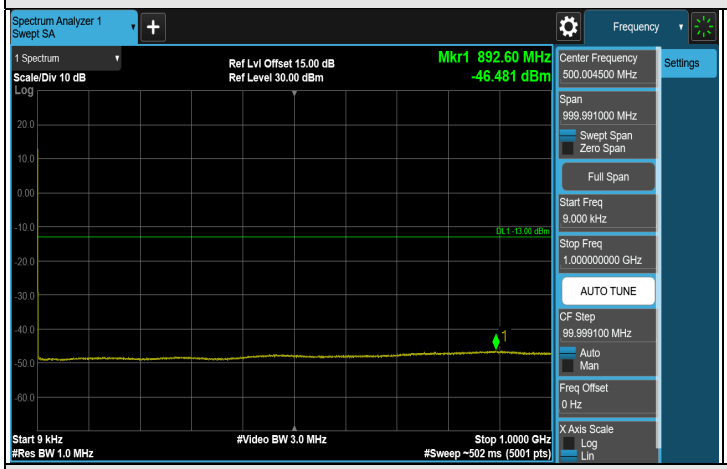


1RB CH 132597 (1772.5 MHz)

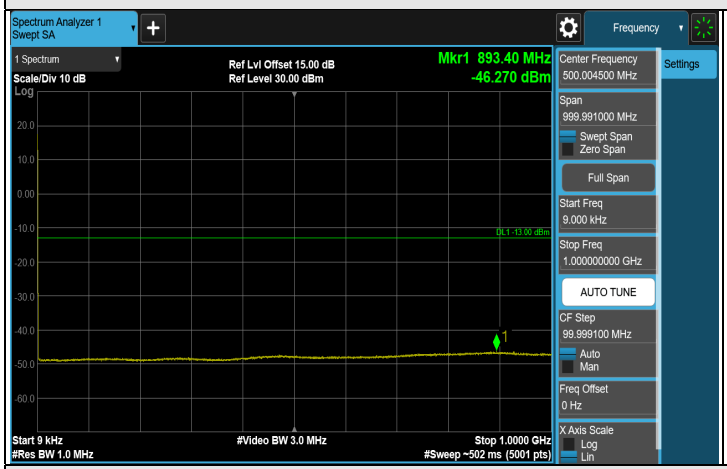
LTE Band 66, Channel Bandwidth: 20 MHz



CH 132072 (1720 MHz)

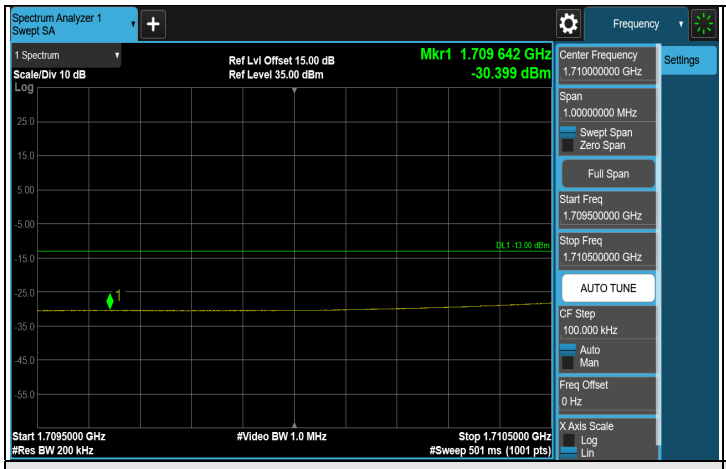


CH 132322 (1745 MHz)

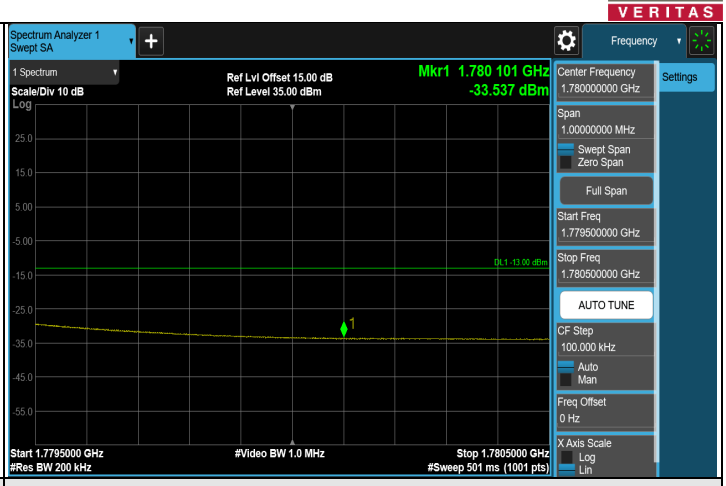


CH 132572 (1770 MHz)

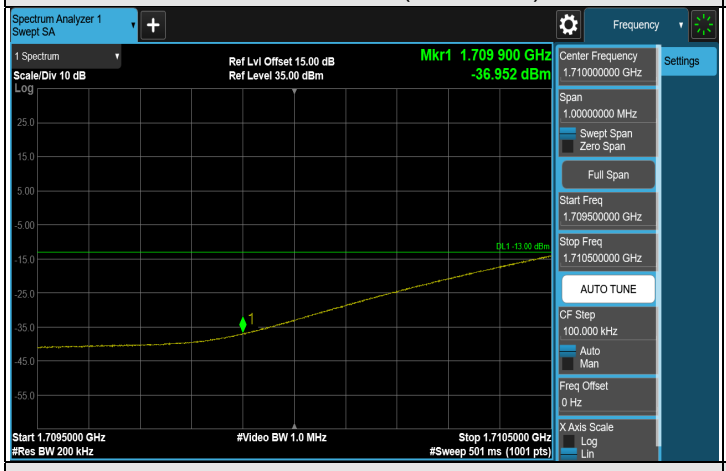
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



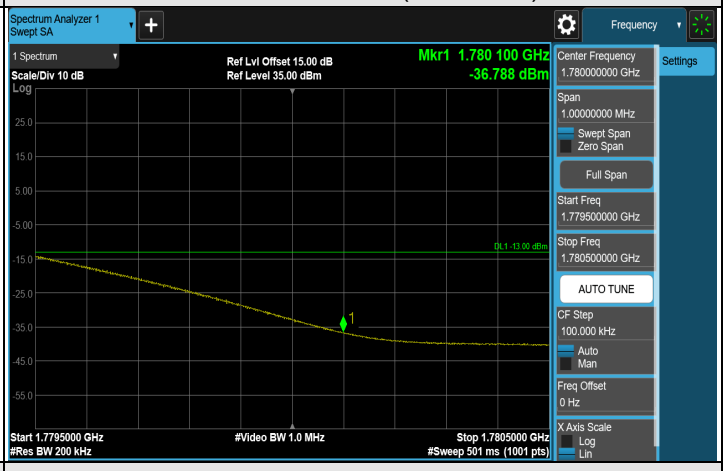
FULL CH 132072 (1720 MHz)



FULL CH 132572 (1770 MHz)



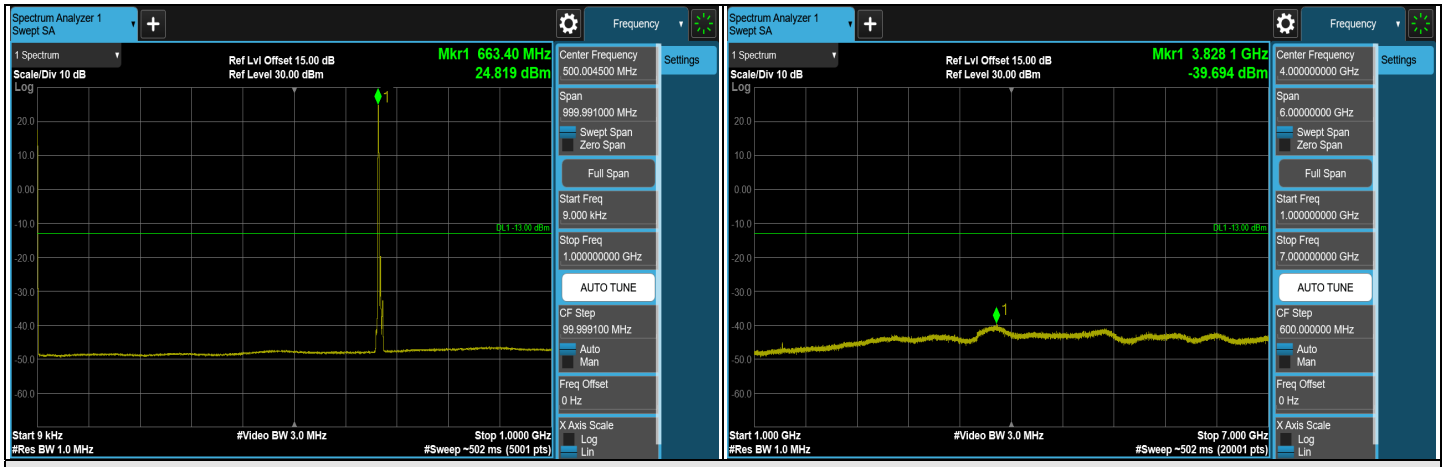
1RB CH 132072 (1720 MHz)



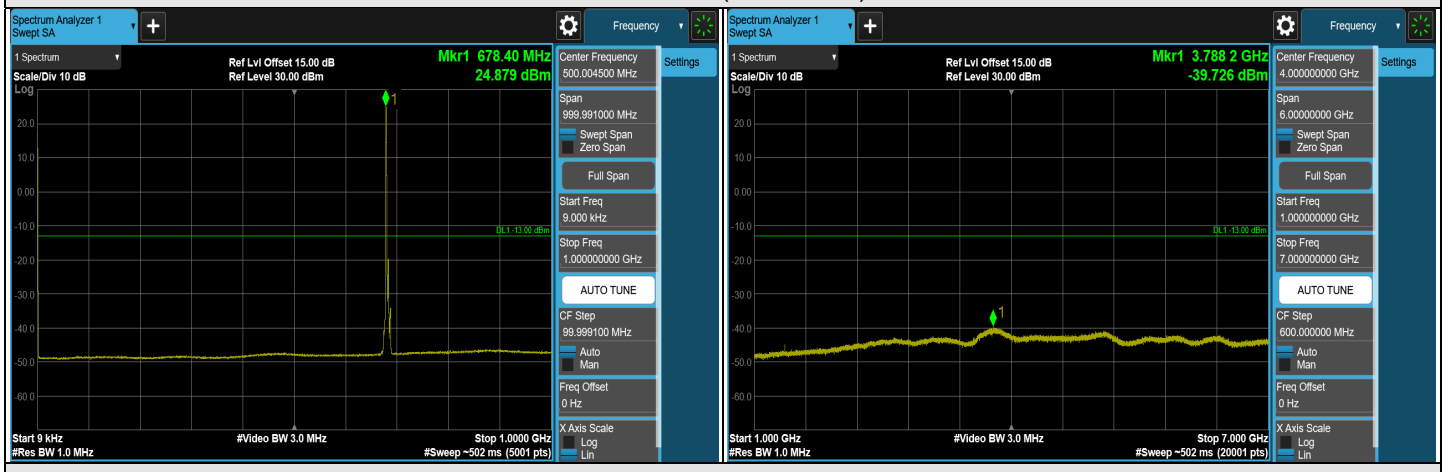
1RB CH 132572 (1770 MHz)

7.5.14 LTE Band 71

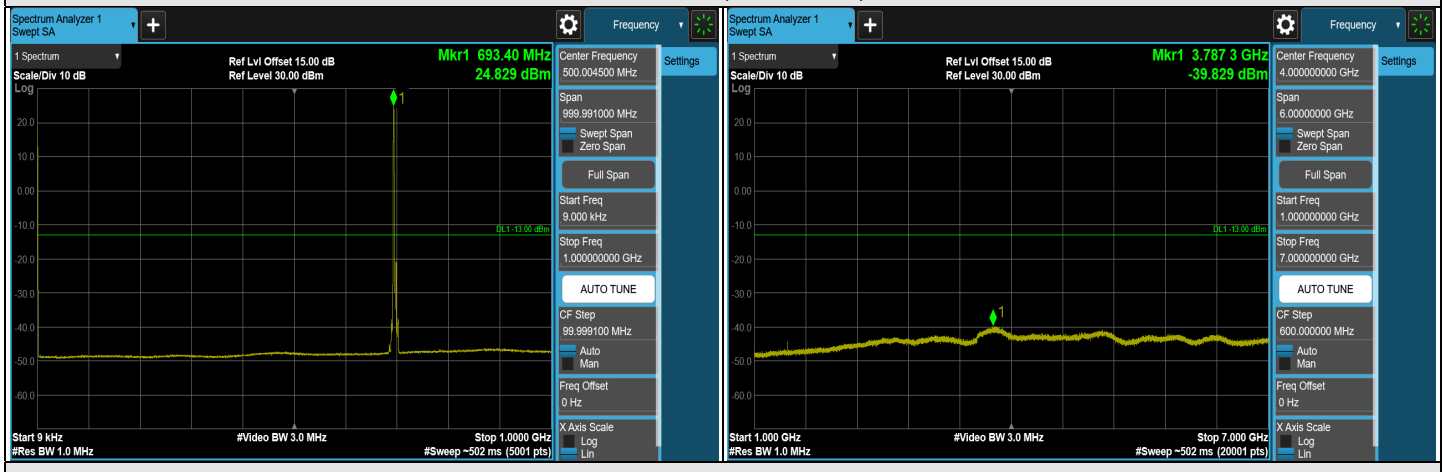
LTE Band 71, Channel Bandwidth: 5 MHz



CH 133147 (665.5 MHz)

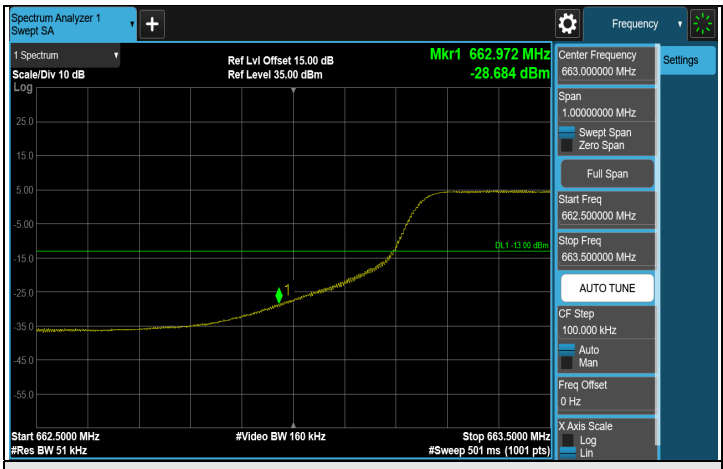


CH 133297 (680.5 MHz)

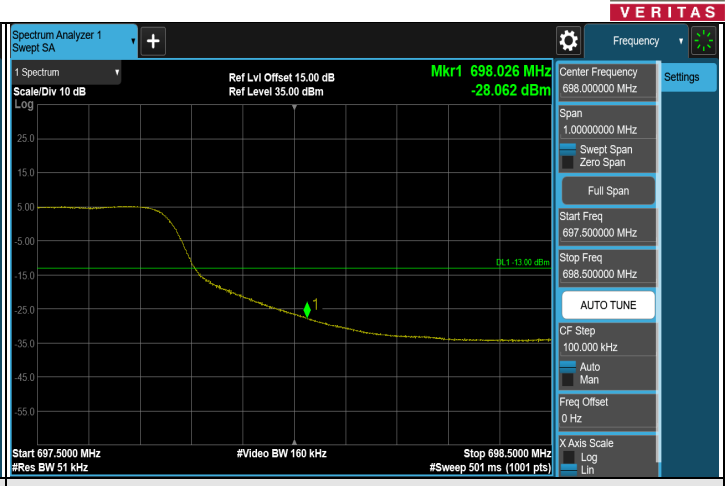


CH 133447 (695.5 MHz)

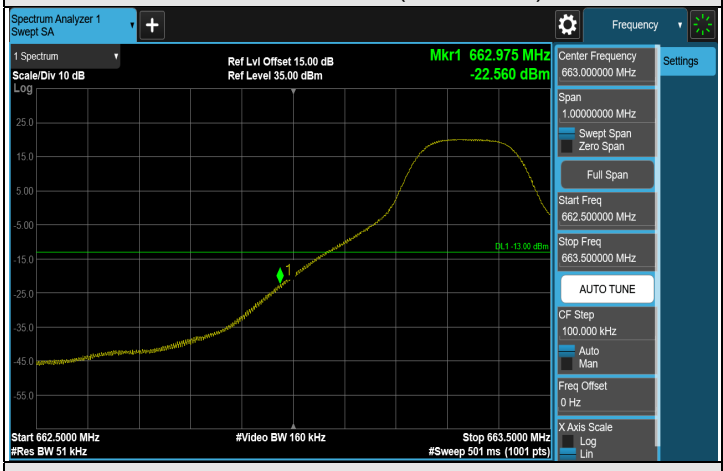
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



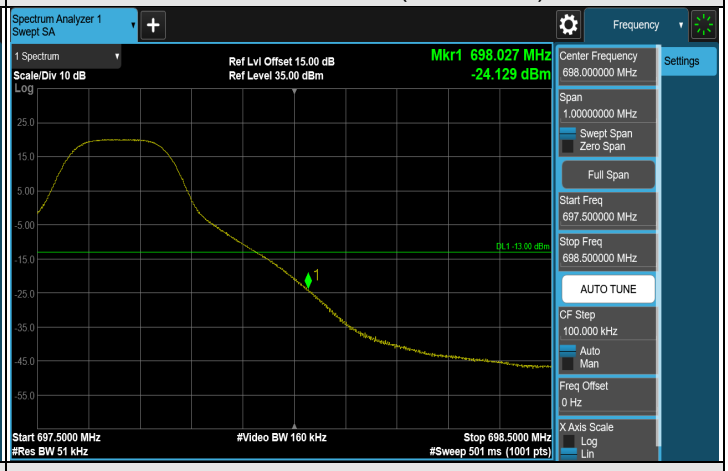
FULL CH 133147 (665.5 MHz)



FULL CH 133447 (695.5 MHz)

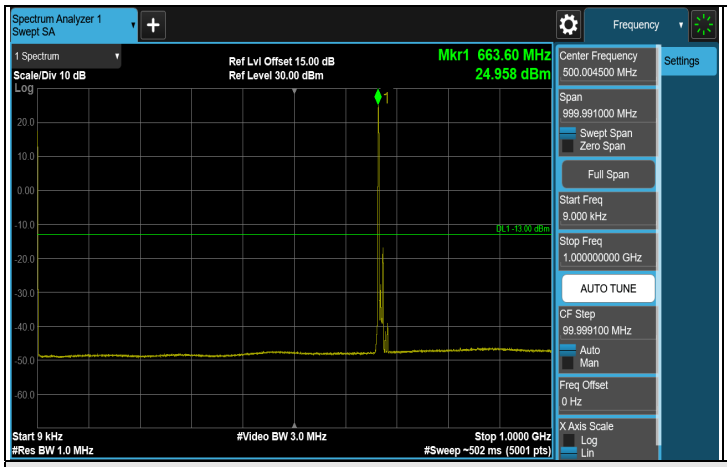


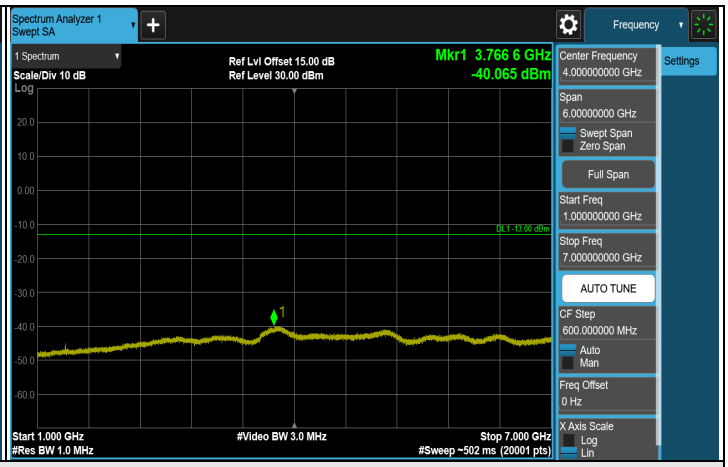
1RB CH 133147 (665.5 MHz)



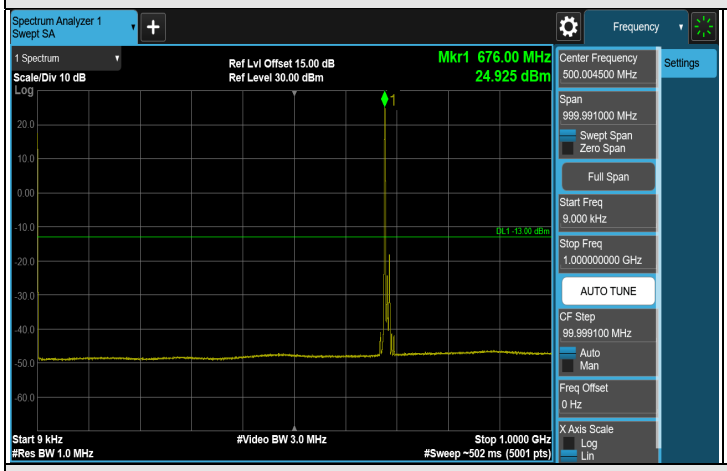
1RB CH 133447 (695.5 MHz)

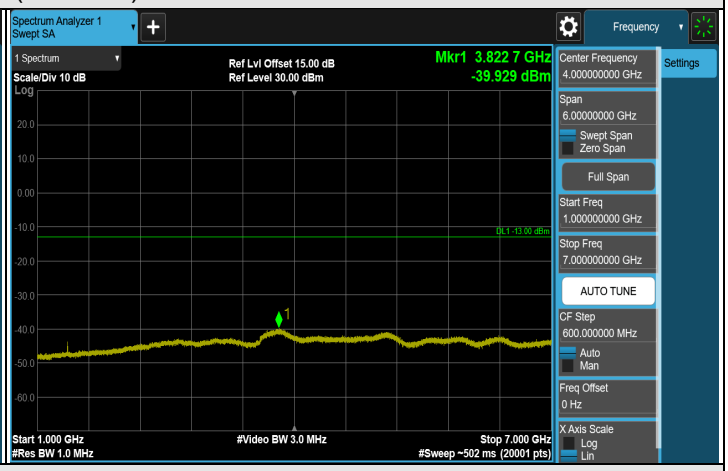
LTE Band 71, Channel Bandwidth: 10 MHz



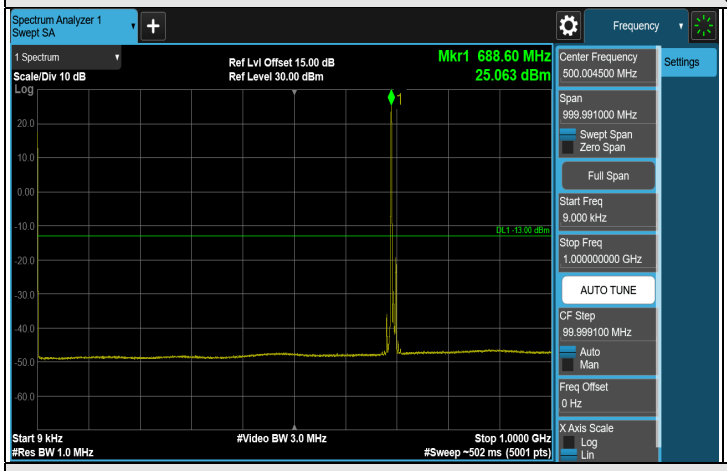


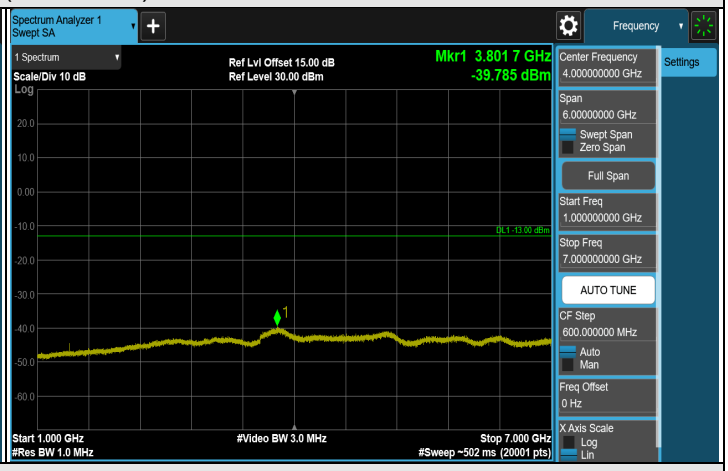
CH 133172 (668 MHz)





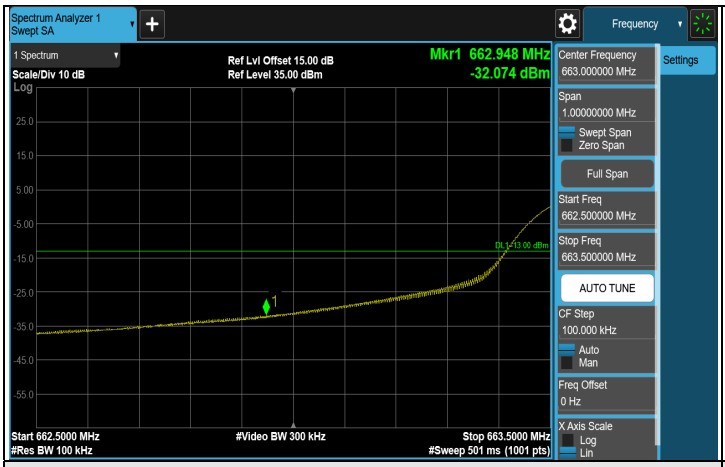
CH 133297 (680.5 MHz)



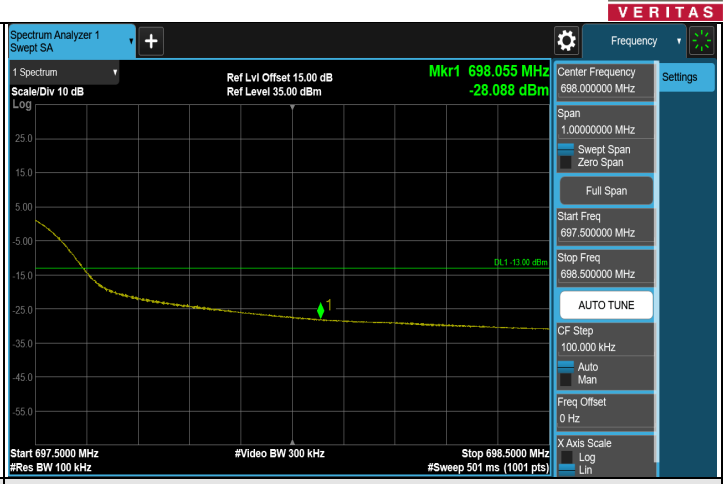


CH 133422 (693 MHz)

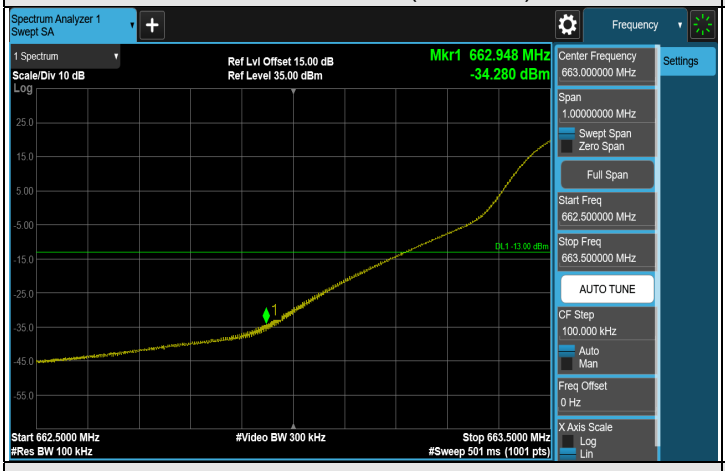
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



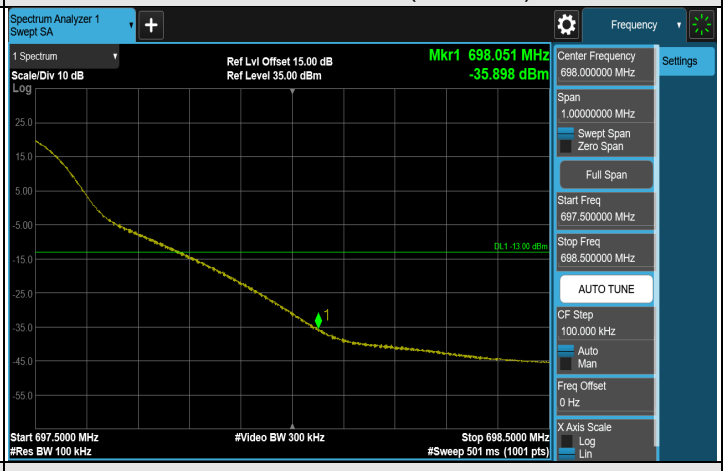
FULL CH 133172 (668 MHz)



FULL CH 133422 (693 MHz)

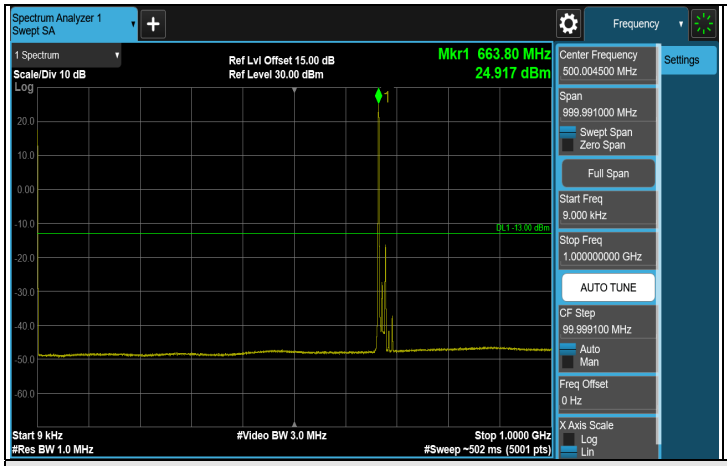


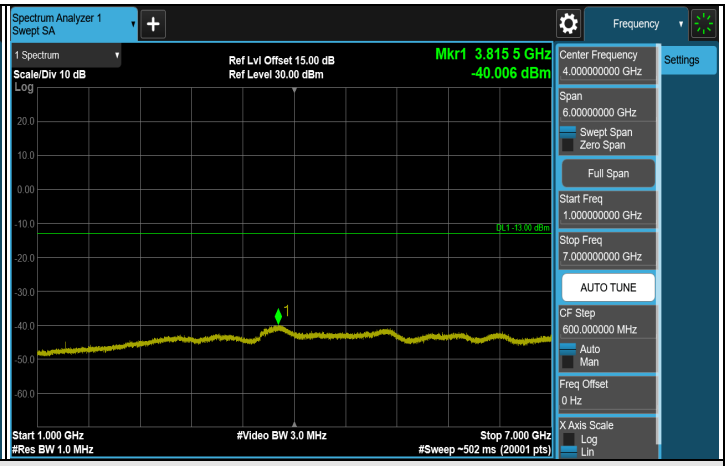
1RB CH 133172 (668 MHz)



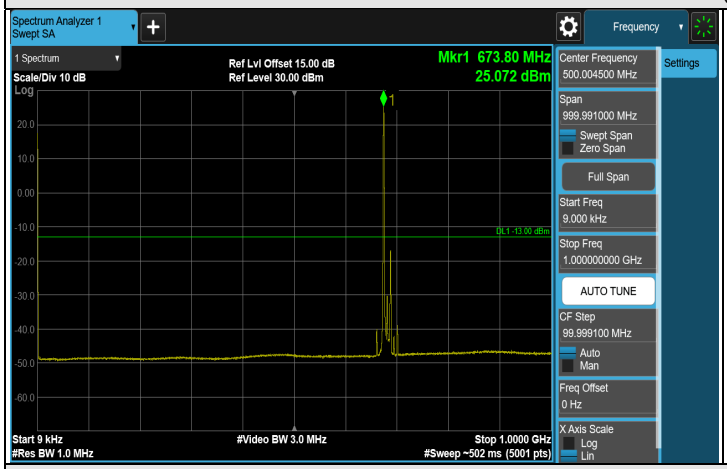
1RB CH 133422 (693 MHz)

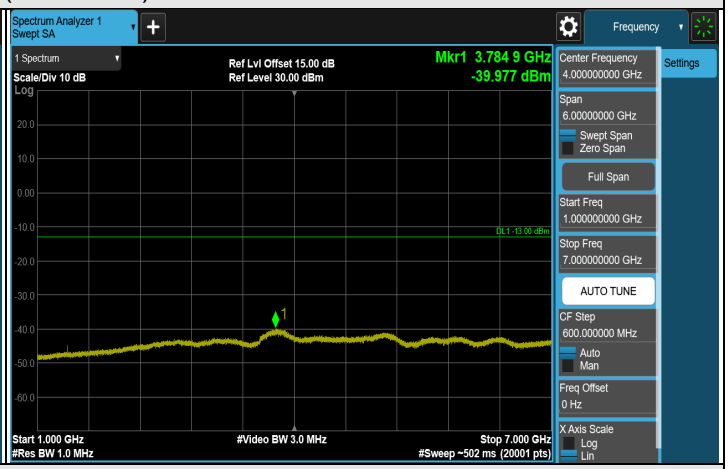
LTE Band 71, Channel Bandwidth: 15 MHz



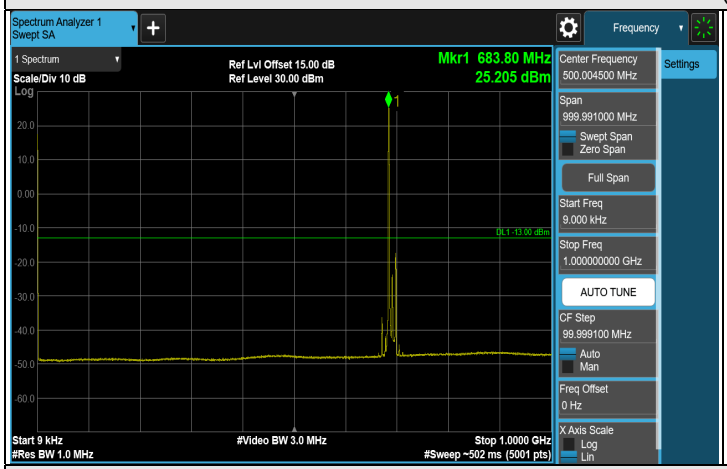


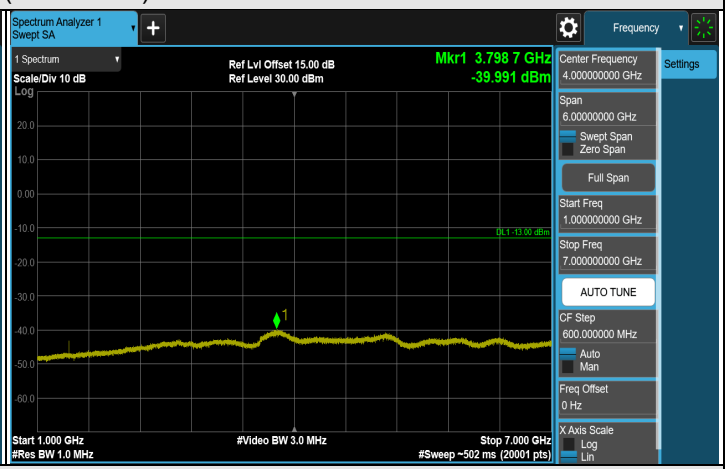
CH 133197 (670.5 MHz)





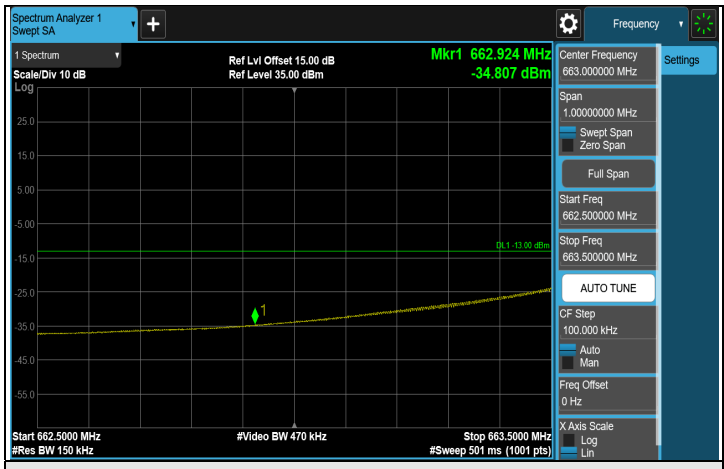
CH 133297 (680.5 MHz)



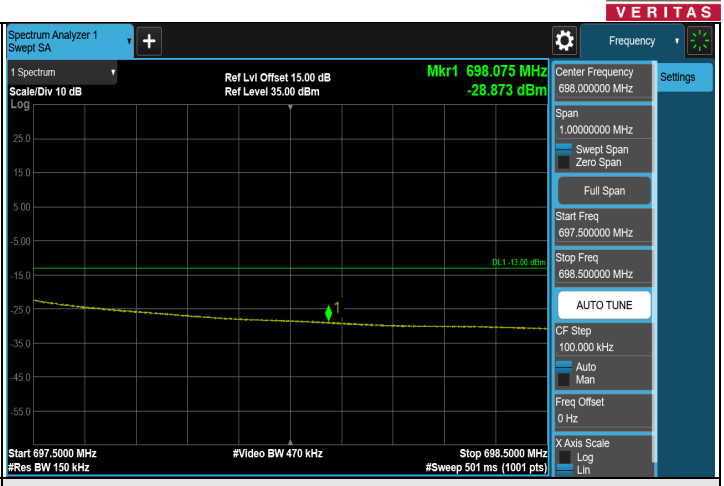


CH 133397 (690.5 MHz)

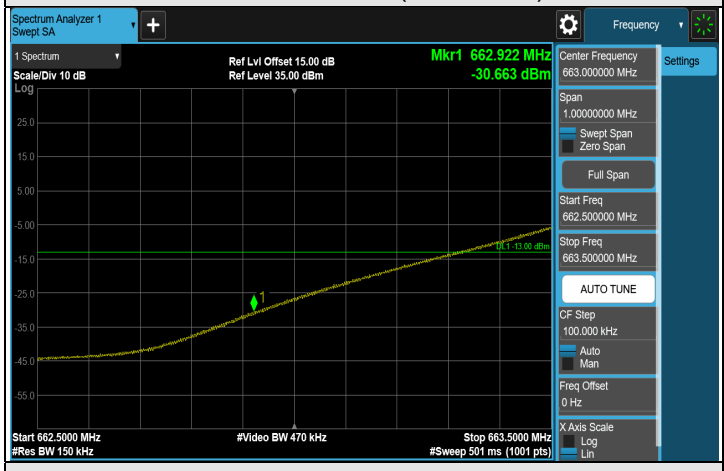
Note: The signal at 9 kHz is IF signal from spectrum analyzer.



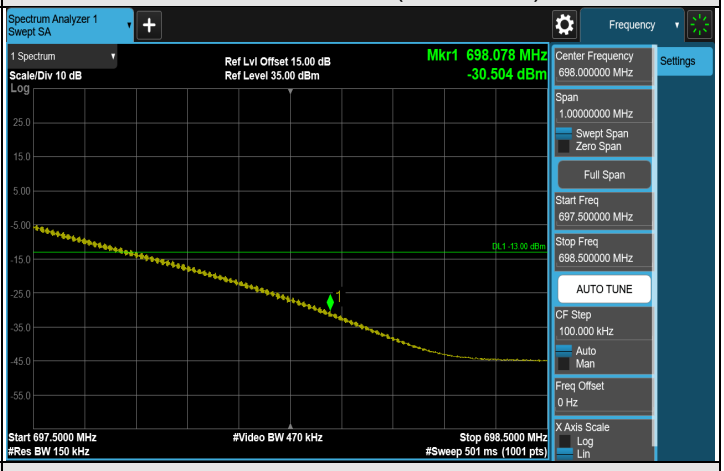
FULL CH 133197 (670.5 MHz)



FULL CH 133397 (690.5 MHz)

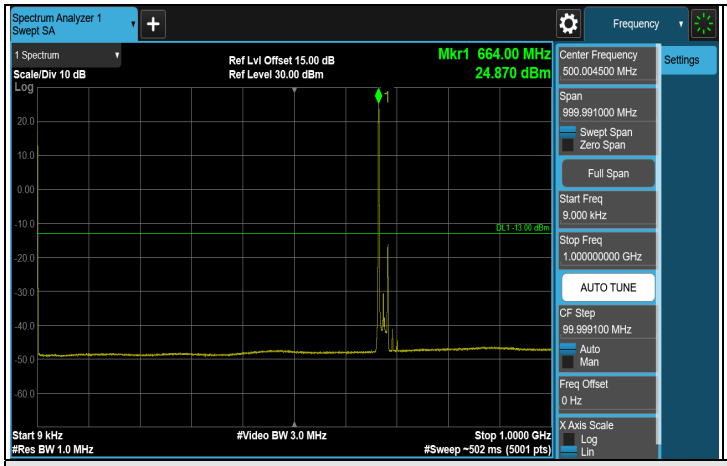


1RB CH 133197 (670.5 MHz)

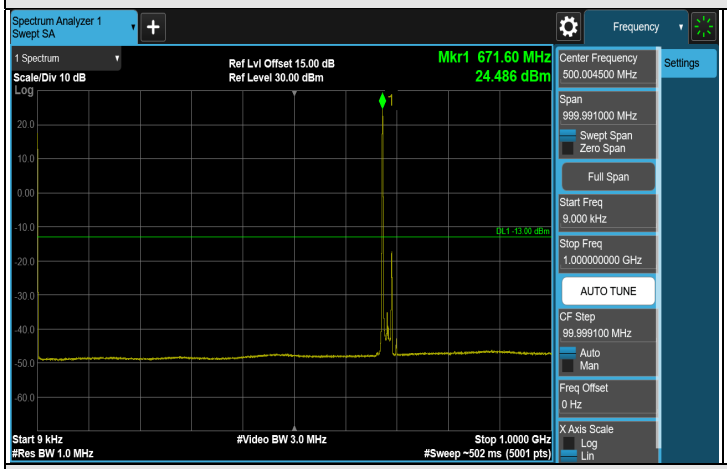


1RB CH 133397 (690.5 MHz)

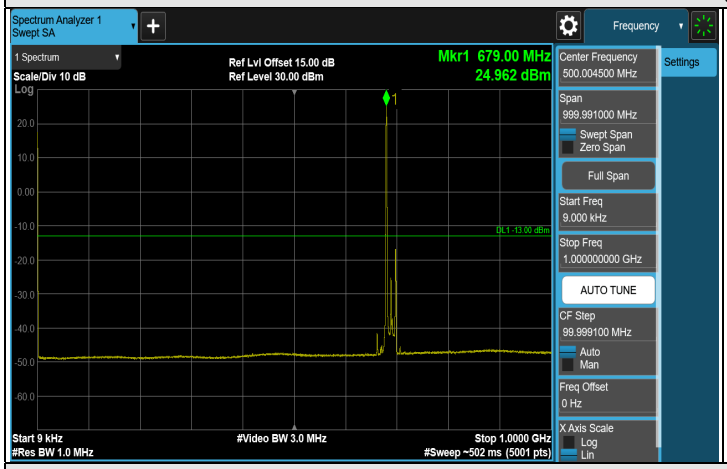
LTE Band 71, Channel Bandwidth: 20 MHz



CH 133222 (673 MHz)



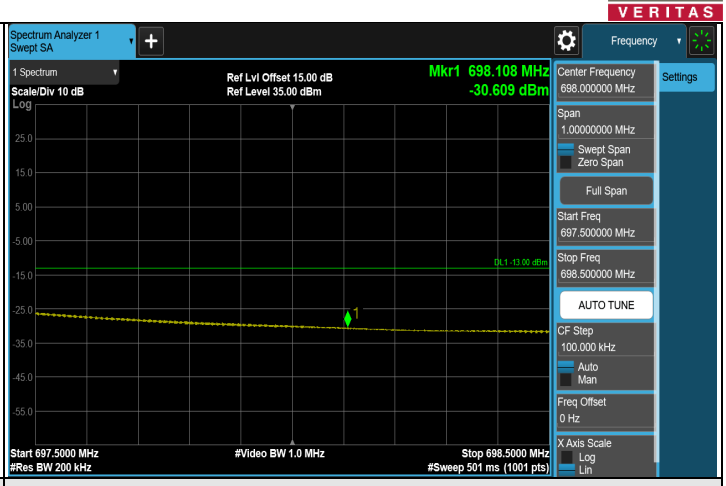
CH 133297 (680.5 MHz)



CH 133372 (688 MHz)

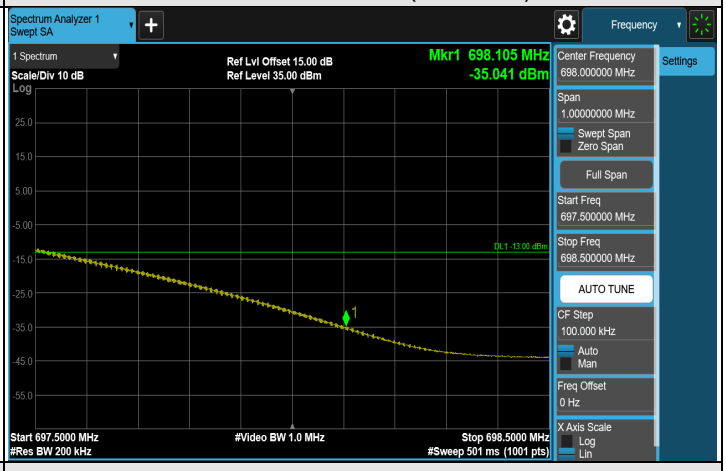
Note: The signal at 9 kHz is IF signal from spectrum analyzer.

FULL CH 133222 (673 MHz)



FULL CH 133372 (688 MHz)

1RB CH 133222 (673 MHz)



1RB CH 133372 (688 MHz)

7.6 Radiated Spurious Emissions below 1GHz

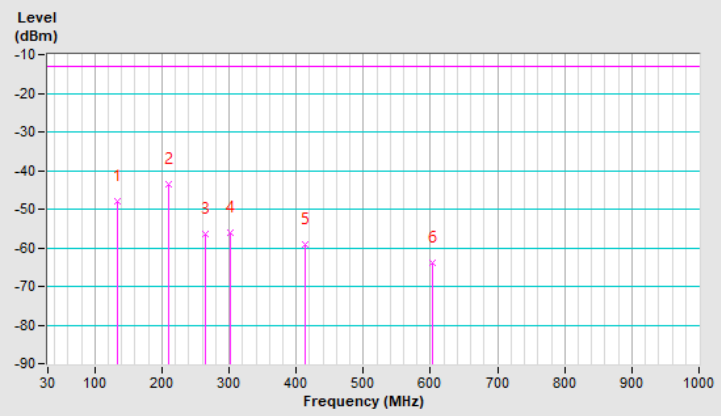
7.6.1 LTE Band 2

RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	**Channel**	CH 18700：1860 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	134.22	-48.02	-13.00	-35.02	1.16 H	182	65.74	-113.76
2	210.08	-43.54	-13.00	-30.54	1.16 H	151	72.61	-116.15
3	264.38	-56.29	-13.00	-43.29	1.97 H	122	57.47	-113.76
4	302.81	-56.23	-13.00	-43.23	1.58 H	286	56.17	-112.40
5	414.14	-59.23	-13.00	-46.23	1.05 H	100	50.52	-109.75
6	603.81	-64.01	-13.00	-51.01	1.45 H	307	41.59	-105.60

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

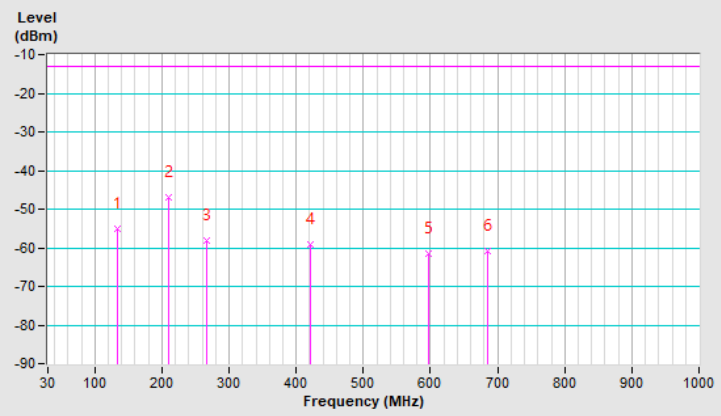


RF Mode	LTE Band 2 Channel Bandwidth: 20MHz	**Channel**	CH 18700：1860 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	133.96	-55.02	-13.00	-42.02	1.76 V	107	58.74	-113.76
2	210.18	-46.96	-13.00	-33.96	1.14 V	84	69.18	-116.14
3	267.02	-58.11	-13.00	-45.11	1.59 V	208	55.48	-113.59
4	421.12	-59.00	-13.00	-46.00	1.09 V	178	50.48	-109.48
5	597.84	-61.68	-13.00	-48.68	1.56 V	117	44.03	-105.71
6	684.32	-60.89	-13.00	-47.89	1.45 V	107	43.82	-104.71

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



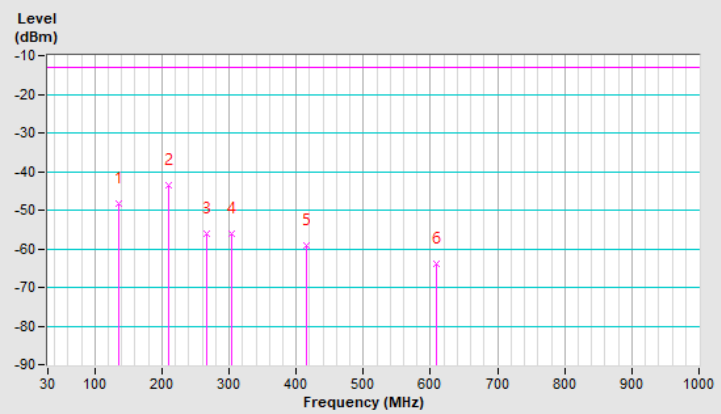
7.6.2 LTE Band 4

RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	**Channel**	CH 20375：1752.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	135.26	-48.16	-13.00	-35.16	1.13 H	154	65.57	-113.73
2	210.14	-43.44	-13.00	-30.44	1.45 H	115	72.71	-116.15
3	266.84	-56.14	-13.00	-43.14	1.82 H	208	57.47	-113.61
4	304.59	-56.11	-13.00	-43.11	1.12 H	152	56.23	-112.34
5	415.54	-59.28	-13.00	-46.28	1.67 H	109	50.44	-109.72
6	608.44	-63.87	-13.00	-50.87	1.05 H	146	41.59	-105.46

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

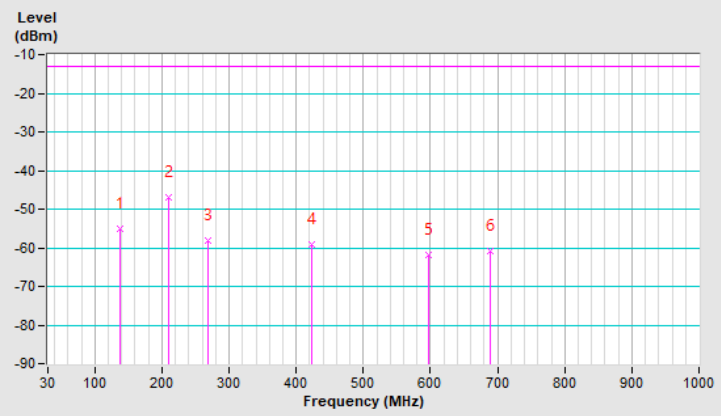


RF Mode	LTE Band 4 Channel Bandwidth: 5MHz	**Channel**	CH 20375：1752.5 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	137.48	-55.12	-13.00	-42.12	1.53 V	226	58.42	-113.54
2	208.97	-46.88	-13.00	-33.88	1.16 V	154	69.29	-116.17
3	268.11	-58.16	-13.00	-45.16	1.99 V	181	55.38	-113.54
4	422.25	-59.16	-13.00	-46.16	1.05 V	187	50.28	-109.44
5	596.68	-61.77	-13.00	-48.77	1.45 V	105	43.95	-105.72
6	688.48	-61.01	-13.00	-48.01	1.45 V	104	43.61	-104.62

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



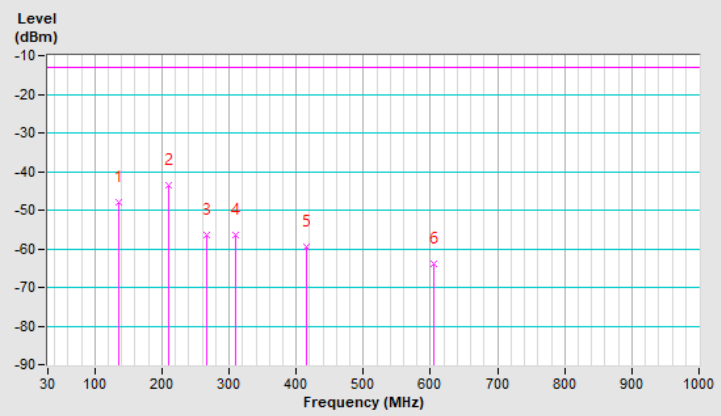
7.6.3 LTE Band 5

RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	**Channel**	CH 20600：844 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	136.33	-48.00	-13.00	-35.00	1.15 H	154	67.74	-115.74
2	210.05	-43.55	-13.00	-30.55	1.16 H	154	74.75	-118.30
3	266.65	-56.33	-13.00	-43.33	1.17 H	48	59.44	-115.77
4	310.25	-56.28	-13.00	-43.28	1.14 H	215	58.04	-114.32
5	415.54	-59.33	-13.00	-46.33	1.56 H	111	52.54	-111.87
6	604.54	-64.05	-13.00	-51.05	1.73 H	207	43.68	-107.73

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) + 20log(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 ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.

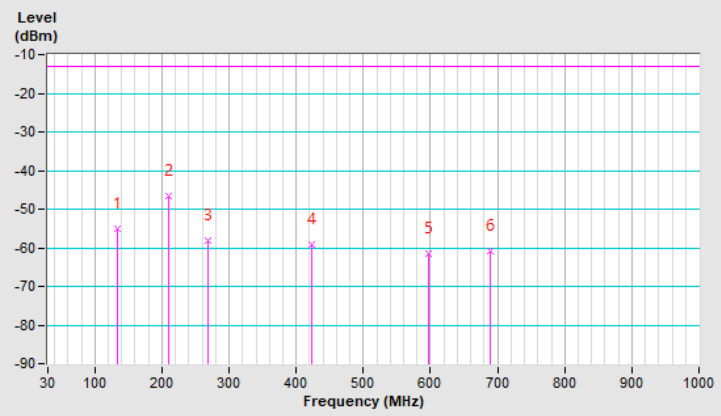


RF Mode	LTE Band 5 Channel Bandwidth: 10MHz	**Channel**	CH 20600：844 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	134.48	-55.01	-13.00	-42.01	1.45 V	115	60.91	-115.92
2	210.14	-46.77	-13.00	-33.77	1.18 V	325	71.53	-118.30
3	268.14	-58.16	-13.00	-45.16	1.06 V	115	57.53	-115.69
4	422.25	-59.14	-13.00	-46.14	1.15 V	111	52.45	-111.59
5	597.84	-61.66	-13.00	-48.66	1.35 V	108	46.20	-107.86
6	688.54	-60.74	-13.00	-47.74	1.45 V	106	46.03	-106.77

Remarks:

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



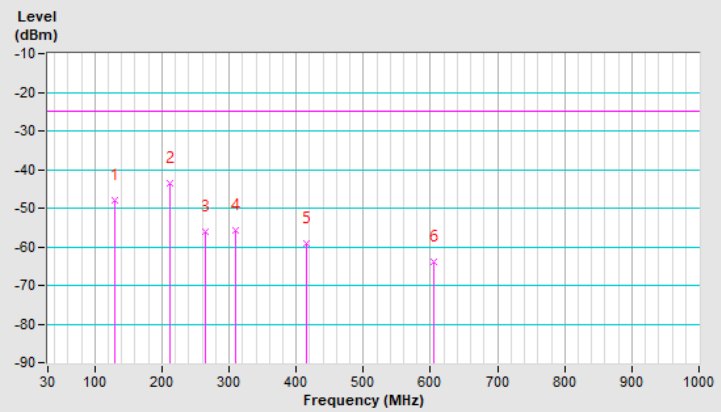
7.6.4 LTE Band 7

RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	**Channel**	CH 21350：2560 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	129.94	-47.87	-25.00	-22.87	1.52 H	211	66.36	-114.23
2	211.15	-43.55	-25.00	-18.55	1.05 H	113	72.58	-116.13
3	265.29	-56.14	-25.00	-31.14	1.34 H	141	57.56	-113.70
4	310.00	-55.88	-25.00	-30.88	1.18 H	121	56.30	-112.18
5	415.54	-59.20	-25.00	-34.20	1.05 H	200	50.52	-109.72
6	605.54	-64.00	-25.00	-39.00	1.48 H	111	41.56	-105.56

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

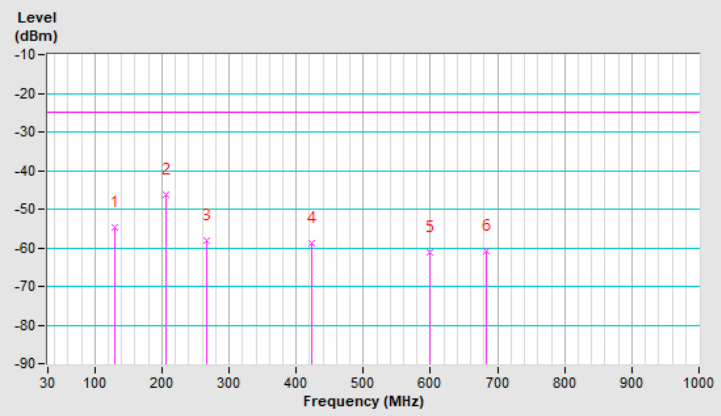


RF Mode	LTE Band 7 Channel Bandwidth: 20MHz	**Channel**	CH 21350：2560 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 59% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	130.52	-54.87	-25.00	-29.87	1.64 V	282	59.27	-114.14
2	205.54	-46.44	-25.00	-21.44	1.16 V	154	69.81	-116.25
3	266.64	-58.03	-25.00	-33.03	1.35 V	209	55.59	-113.62
4	422.25	-58.82	-25.00	-33.82	1.54 V	107	50.62	-109.44
5	598.87	-61.12	-25.00	-36.12	1.45 V	306	44.59	-105.71
6	684.14	-60.77	-25.00	-35.77	1.45 V	104	43.94	-104.71

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



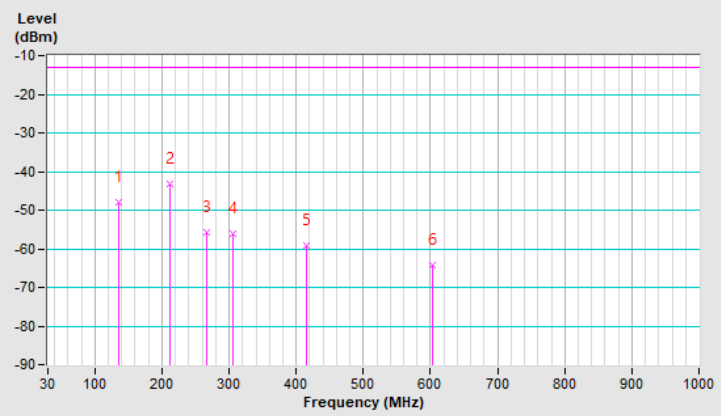
7.6.5 LTE Band 12

RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	**Channel**	CH 23060：704 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	135.48	-47.84	-13.00	-34.84	1.05 H	100	53.08	-100.92
2	211.15	-43.16	-13.00	-30.16	1.05 H	319	57.76	-100.92
3	265.82	-55.82	-13.00	-42.82	1.54 H	117	45.10	-100.92
4	305.22	-56.17	-13.00	-43.17	1.19 H	164	44.75	-100.92
5	414.45	-59.22	-13.00	-46.22	1.02 H	200	41.70	-100.92
6	603.32	-64.19	-13.00	-51.19	1.69 H	199	36.73	-100.92

Remarks:

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

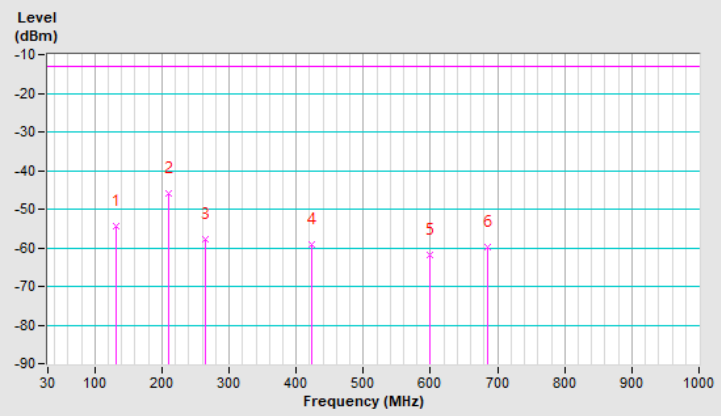


RF Mode	LTE Band 12 Channel Bandwidth: 10MHz	**Channel**	CH 23060：704 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	130.88	-54.35	-13.00	-41.35	1.59 V	336	46.57	-100.92
2	210.00	-46.00	-13.00	-33.00	1.51 V	166	54.92	-100.92
3	264.81	-57.93	-13.00	-44.93	1.65 V	285	42.99	-100.92
4	422.23	-59.05	-13.00	-46.05	1.58 V	205	41.87	-100.92
5	599.87	-61.78	-13.00	-48.78	1.45 V	316	39.14	-100.92
6	685.55	-59.99	-13.00	-46.99	1.47 V	131	40.93	-100.92

Remarks:

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



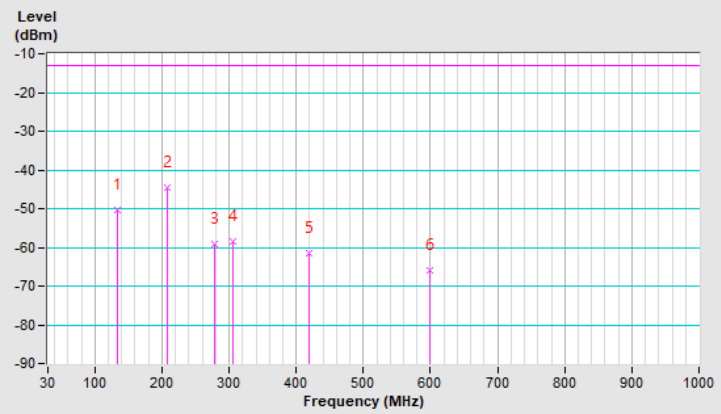
7.6.6 LTE Band 13

RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	**Channel**	CH 23230：782 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	133.36	-50.41	-13.00	-37.41	1.56 H	284	65.56	-115.97
2	208.81	-44.59	-13.00	-31.59	1.45 H	142	73.73	-118.32
3	277.48	-59.21	-13.00	-46.21	1.53 H	200	56.06	-115.27
4	305.56	-58.44	-13.00	-45.44	1.63 H	333	56.02	-114.46
5	418.89	-61.62	-13.00	-48.62	1.74 H	177	50.09	-111.71
6	600.00	-65.98	-13.00	-52.98	1.53 H	293	41.87	-107.85

Remarks:

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

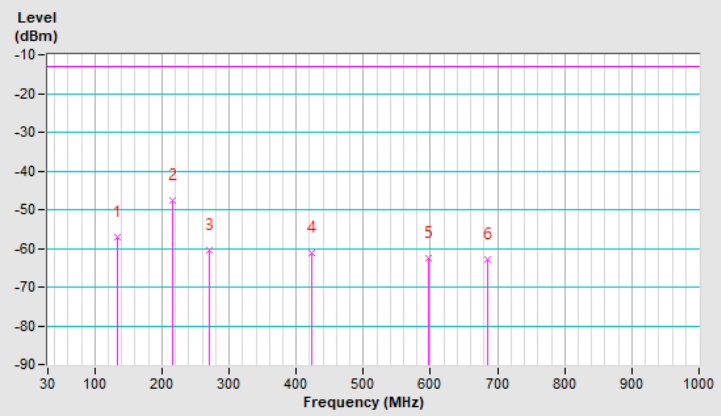


RF Mode	LTE Band 13 Channel Bandwidth: 10MHz	**Channel**	CH 23230：782 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	134.45	-57.26	-13.00	-44.26	1.05 V	210	58.66	-115.92
2	215.54	-47.70	-13.00	-34.70	1.59 V	256	70.46	-118.16
3	270.16	-60.48	-13.00	-47.48	1.38 V	336	55.08	-115.56
4	422.54	-61.15	-13.00	-48.15	1.45 V	185	50.43	-111.58
5	597.44	-62.43	-13.00	-49.43	1.25 V	222	45.44	-107.87
6	685.02	-62.91	-13.00	-49.91	1.79 V	185	43.92	-106.83

Remarks:

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



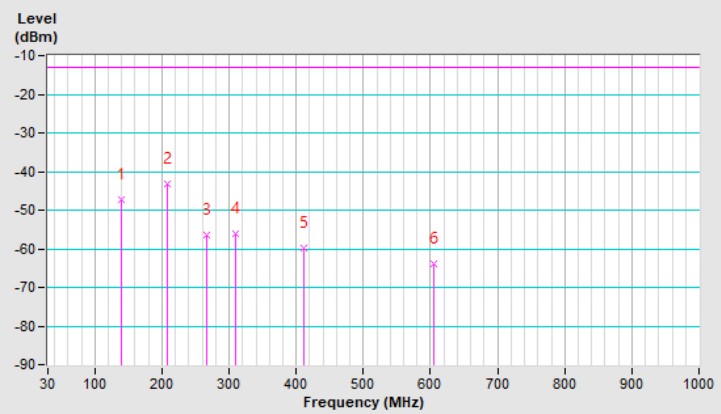
7.6.7 LTE Band 14

RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	**Channel**	CH 23330：793 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	140.11	-47.37	-13.00	-34.37	1.59 H	100	53.55	-100.92
2	208.64	-43.18	-13.00	-30.18	1.45 H	101	57.74	-100.92
3	266.65	-56.61	-13.00	-43.61	1.55 H	159	44.31	-100.92
4	310.15	-56.02	-13.00	-43.02	1.72 H	177	44.90	-100.92
5	410.52	-59.88	-13.00	-46.88	1.78 H	300	41.04	-100.92
6	605.59	-63.88	-13.00	-50.88	1.45 H	179	37.04	-100.92

Remarks:

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

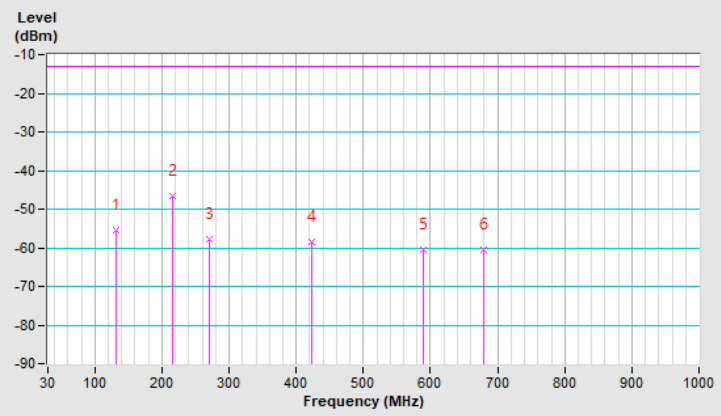


RF Mode	LTE Band 14 Channel Bandwidth: 10MHz	**Channel**	CH 23330：793 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	132.62	-55.27	-13.00	-42.27	1.75 V	104	45.65	-100.92
2	215.56	-46.55	-13.00	-33.55	1.53 V	296	54.37	-100.92
3	269.94	-57.81	-13.00	-44.81	1.44 V	145	43.11	-100.92
4	422.26	-58.42	-13.00	-45.42	1.67 V	7	42.50	-100.92
5	588.80	-60.59	-13.00	-47.59	1.05 V	240	40.33	-100.92
6	678.87	-60.63	-13.00	-47.63	1.53 V	263	40.29	-100.92

Remarks:

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



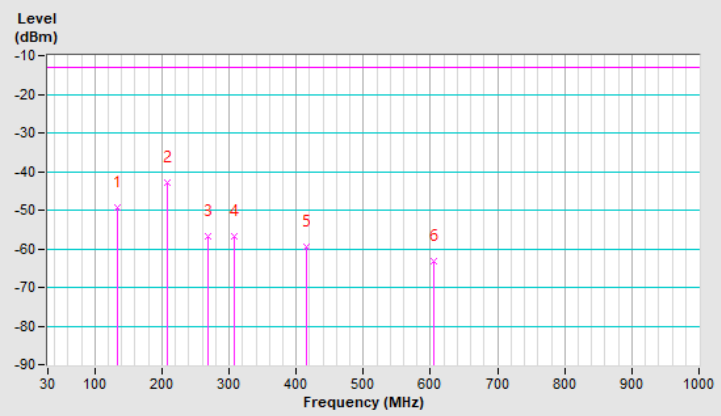
7.6.8 LTE Band 17

RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	**Channel**	CH 23790：710 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	132.84	-49.36	-13.00	-36.36	1.56 H	100	51.56	-100.92
2	208.64	-42.88	-13.00	-29.88	1.45 H	208	58.04	-100.92
3	268.88	-56.69	-13.00	-43.69	1.53 H	200	44.23	-100.92
4	308.54	-56.74	-13.00	-43.74	1.45 H	204	44.18	-100.92
5	415.55	-59.45	-13.00	-46.45	1.45 H	230	41.47	-100.92
6	605.54	-63.14	-13.00	-50.14	1.35 H	177	37.78	-100.92

Remarks:

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

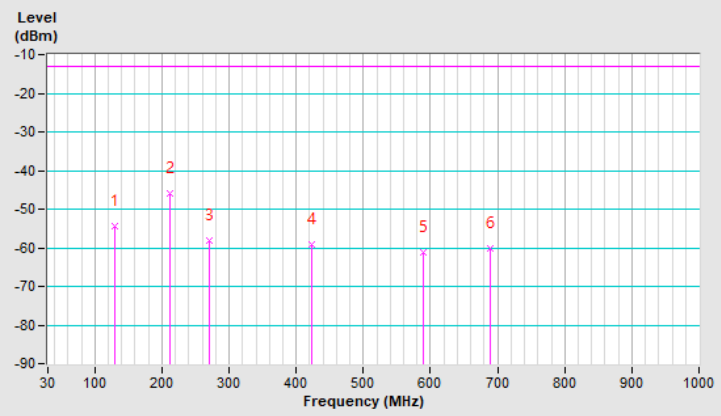


RF Mode	LTE Band 17 Channel Bandwidth: 10MHz	**Channel**	CH 23790：710 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	130.30	-54.35	-13.00	-41.35	1.56 V	201	46.57	-100.92
2	211.90	-45.82	-13.00	-32.82	1.53 V	167	55.10	-100.92
3	270.29	-58.26	-13.00	-45.26	1.53 V	338	42.66	-100.92
4	422.22	-59.01	-13.00	-46.01	1.75 V	170	41.91	-100.92
5	588.89	-61.20	-13.00	-48.20	1.55 V	166	39.72	-100.92
6	688.84	-60.29	-13.00	-47.29	1.45 V	247	40.63	-100.92

Remarks:

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



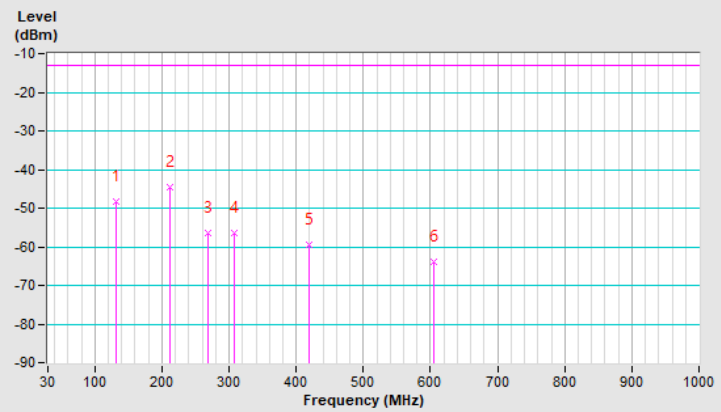
7.6.9 LTE Band 25

RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	**Channel**	CH 26590：1905 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	132.25	-48.29	-13.00	-35.29	1.41 H	84	65.75	-114.04
2	211.44	-44.49	-13.00	-31.49	1.56 H	116	71.62	-116.11
3	268.88	-56.30	-13.00	-43.30	1.63 H	209	57.19	-113.49
4	308.54	-56.33	-13.00	-43.33	1.16 H	290	55.89	-112.22
5	418.87	-59.38	-13.00	-46.38	1.54 H	100	50.18	-109.56
6	604.44	-64.00	-13.00	-51.00	1.45 H	174	41.58	-105.58

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

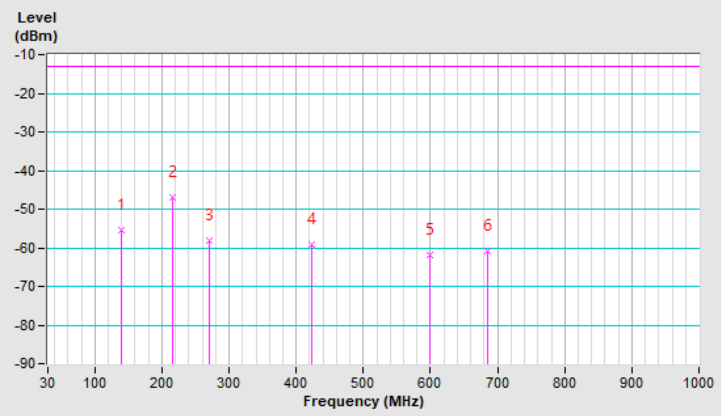


RF Mode	LTE Band 25 Channel Bandwidth: 20MHz	**Channel**	CH 26590：1905 MHz
Frequency Range	30 MHz ~ 1 GHz	**Detector Function & Bandwidth**	1 MHz/3 MHz (RMS)
Input Power	120 Vac, 60 Hz	**Environmental Conditions**	25°C, 60% RH
Tested By	Charles Hsiao		

Antenna Polarity & Test Distance : Vertical at 3 m								
No	**Frequency (MHz)**	**EIRP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	139.94	-55.27	-13.00	-42.27	1.45 V	113	58.13	-113.40
2	216.64	-47.00	-13.00	-34.00	1.05 V	277	69.00	-116.00
3	269.94	-58.23	-13.00	-45.23	1.45 V	113	55.19	-113.42
4	422.28	-59.11	-13.00	-46.11	1.45 V	109	50.33	-109.44
5	598.87	-61.70	-13.00	-48.70	1.45 V	108	44.01	-105.71
6	684.44	-60.99	-13.00	-47.99	1.53 V	209	43.72	-104.71

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



7.6.10 LTE Band 26 (Part 22)

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

Antenna Polarity & Test Distance : Horizontal at 3 m								
No	**Frequency (MHz)**	**ERP (dBm)**	**Limit (dBm)**	**Margin (dB)**	**Antenna Height (m)**	**Table Angle (Degree)**	**Raw Value (dBuV)**	**Correction Factor (dB/m)**
1	135.89	-48.16	-13.00	-35.16	1.25 H	139	67.60	-115.76
2	209.86	-43.64	-13.00	-30.64	2.64 H	187	74.66	-118.30
3	267.24	-56.42	-13.00	-43.42	1.62 H	28	59.31	-115.73
4	309.36	-56.13	-13.00	-43.13	1.62 H	188	58.22	-114.35
5	416.32	-59.24	-13.00	-46.24	1.54 H	101	52.59	-111.83
6	606.36	-63.92	-13.00	-50.92	1.74 H	214	43.76	-107.68

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) + 20log(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 ERP levels were very low against the limit of frequency range 9 kHz ~ 30 MHz: the amplitude of spurious emissions attenuated more than 20 dB below the permissible value to be report.