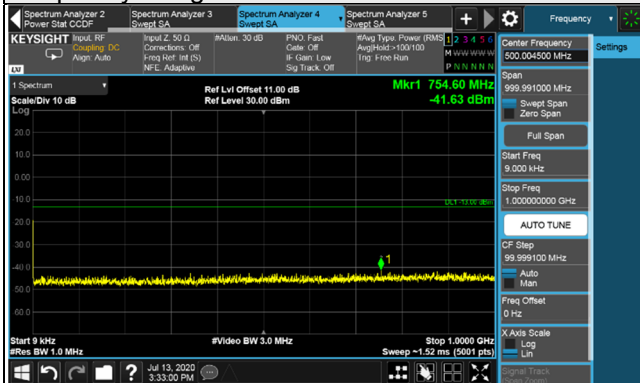
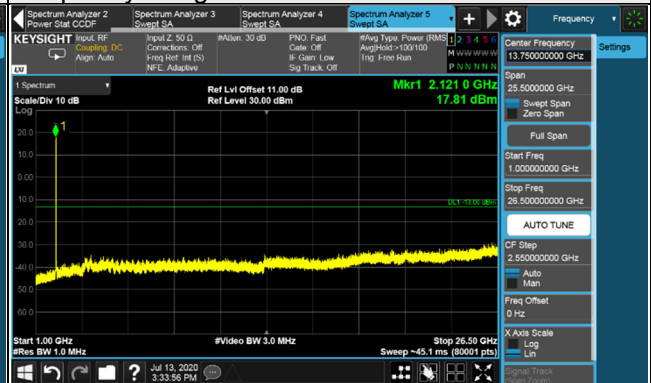


LTE Band 4 NB-IoT Guard band / Channel Bandwidth: 20MHz
Channel 2050

Frequency Range : 9kHz~1GHz

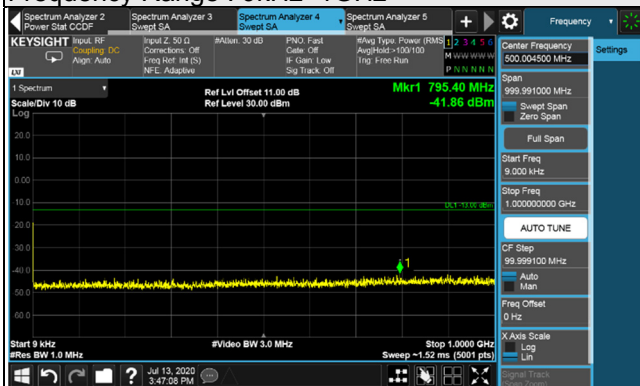


Frequency Range : 1GHz~26.5GHz

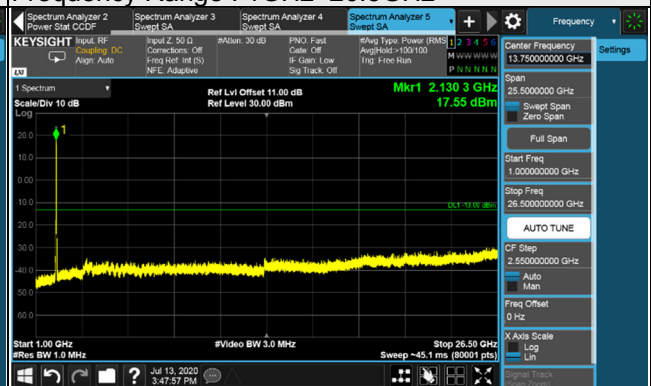


Channel 2175

Frequency Range : 9kHz~1GHz

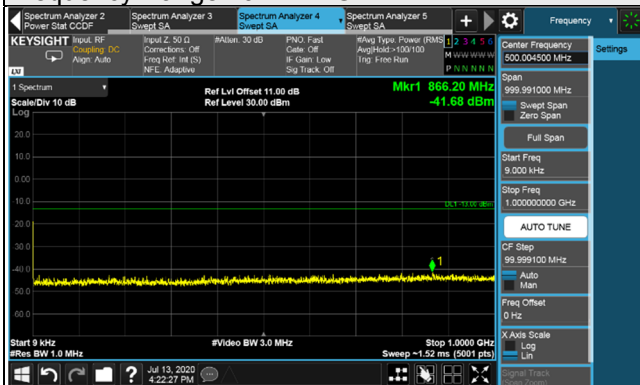


Frequency Range : 1GHz~26.5GHz

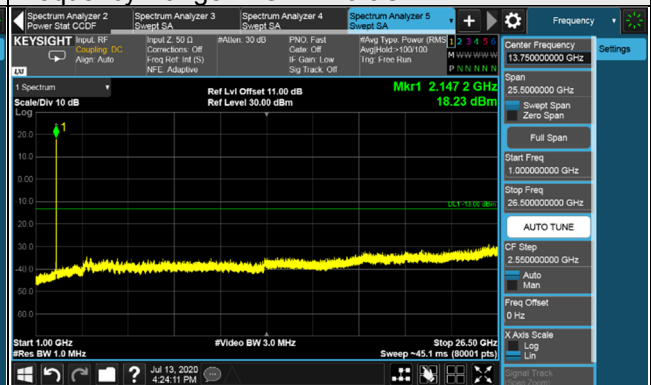


Channel 2300

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz



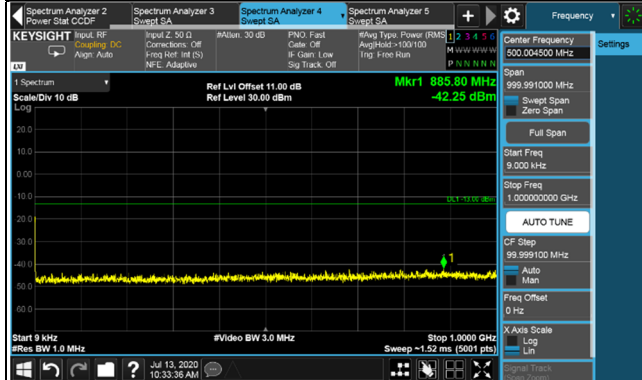
*The 9kHz signal over the limit is from Spectrum.

Signal at upper (Fixed on chain 0)

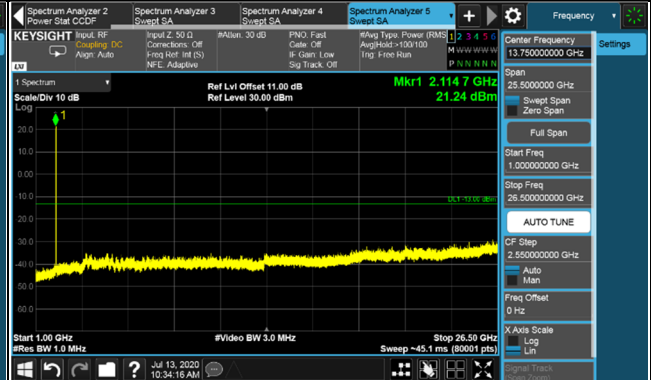
LTE Band 4 NB-IoT Guard band / Channel Bandwidth: 10MHz

Channel 2000

Frequency Range : 9kHz~1GHz

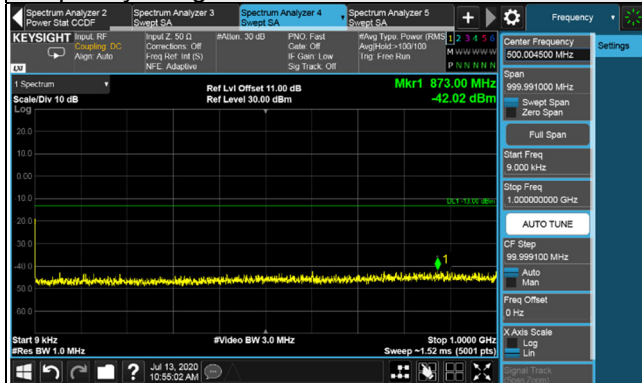


Frequency Range : 1GHz~26.5GHz

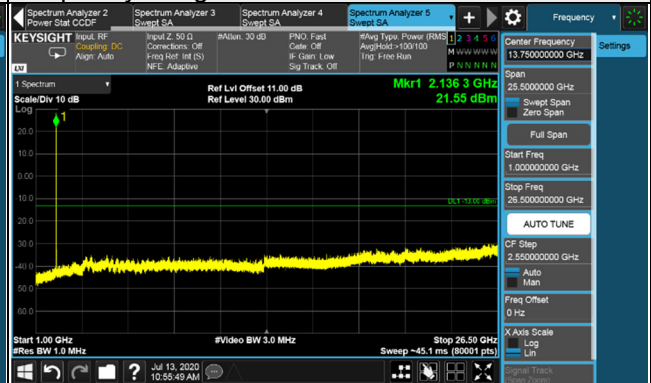


Channel 2175

Frequency Range : 9kHz~1GHz

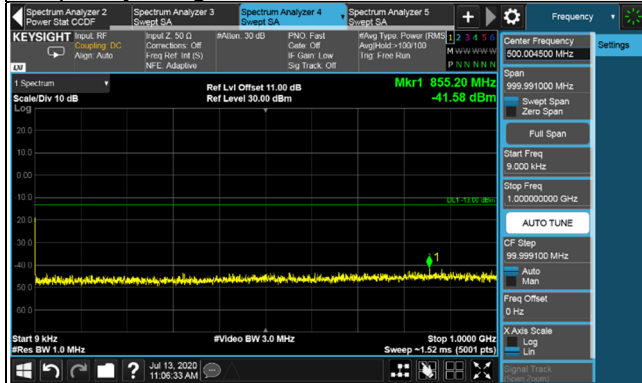


Frequency Range : 1GHz~26.5GHz

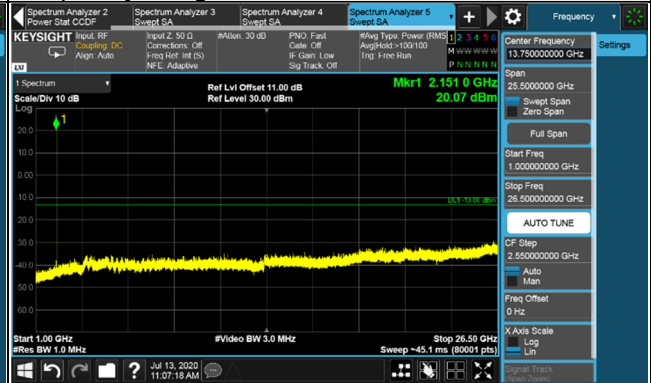


Channel 2350

Frequency Range : 9kHz~1GHz



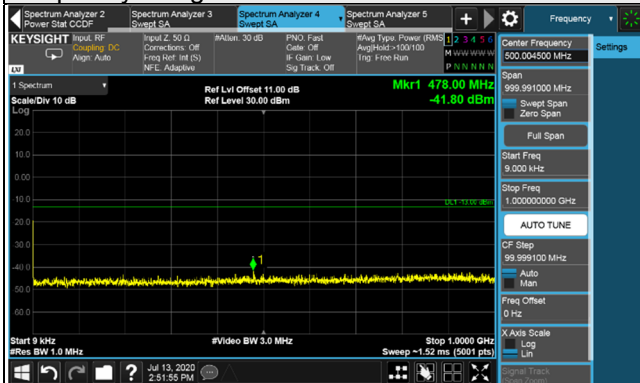
Frequency Range : 1GHz~26.5GHz



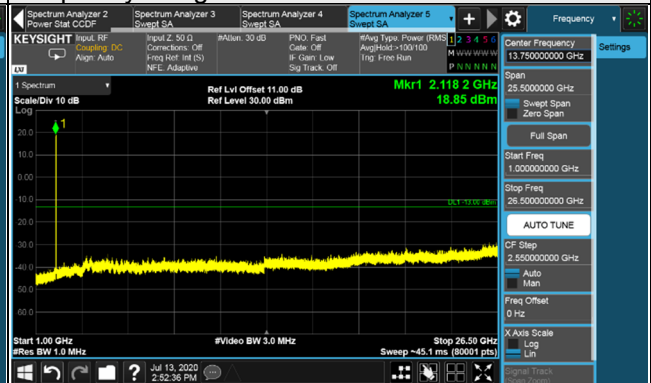
*The 9kHz signal over the limit is from Spectrum.

LTE Band 4 NB-IoT Guard band / Channel Bandwidth: 15MHz
Channel 2025

Frequency Range : 9kHz~1GHz

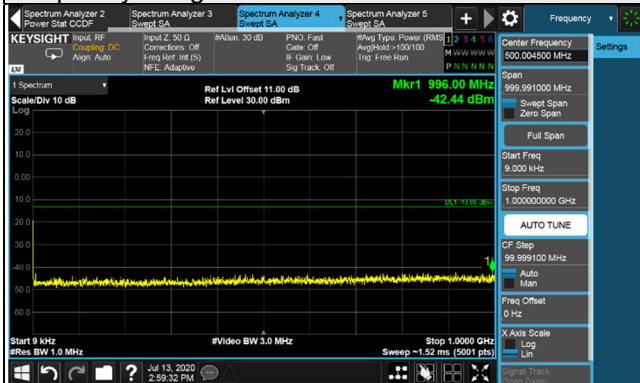


Frequency Range : 1GHz~26.5GHz

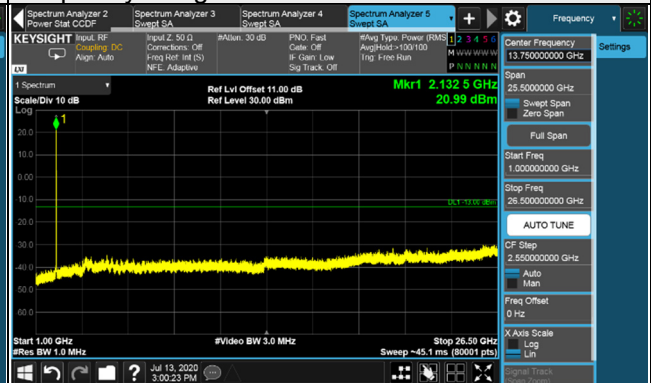


Channel 2175

Frequency Range : 9kHz~1GHz

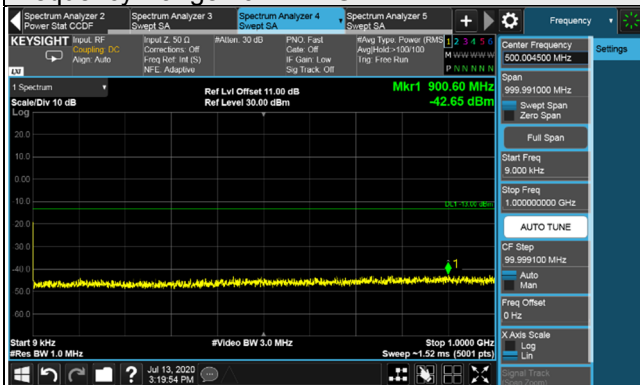


Frequency Range : 1GHz~26.5GHz

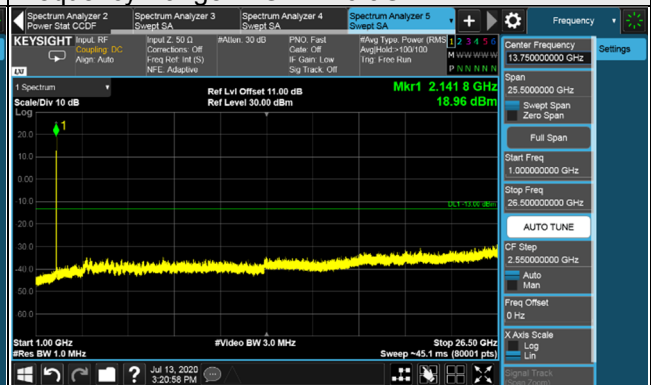


Channel 2325

Frequency Range : 9kHz~1GHz



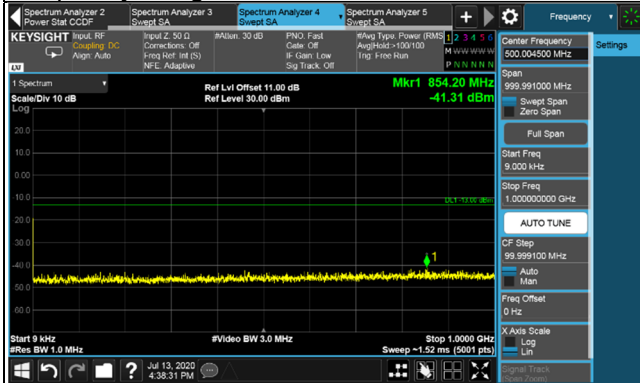
Frequency Range : 1GHz~26.5GHz



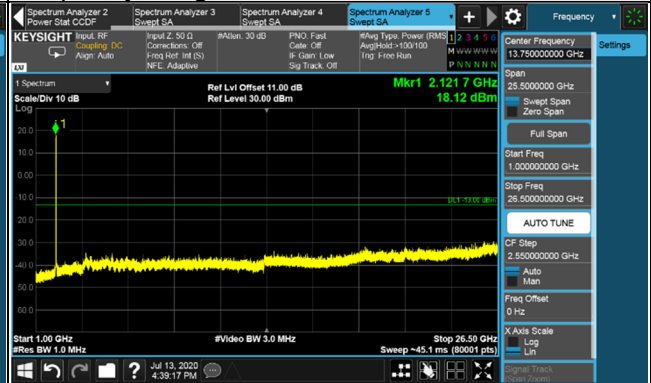
*The 9kHz signal over the limit is from Spectrum.

LTE Band 4 NB-IoT Guard band / Channel Bandwidth: 20MHz
Channel 2050

Frequency Range : 9kHz~1GHz

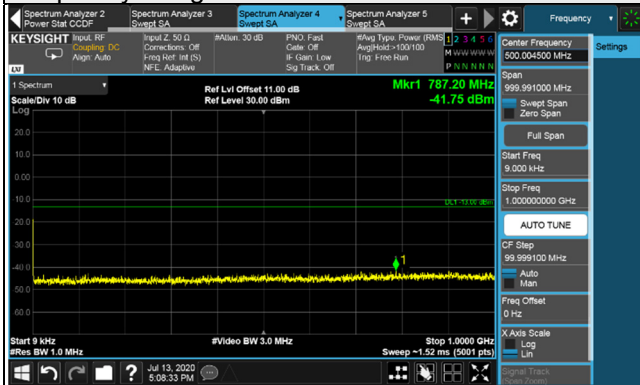


Frequency Range : 1GHz~26.5GHz

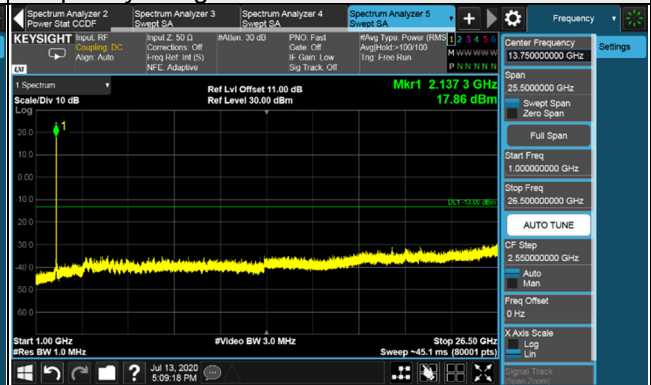


Channel 2175

Frequency Range : 9kHz~1GHz

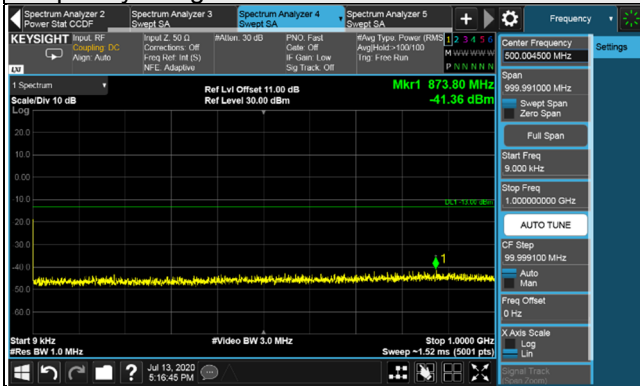


Frequency Range : 1GHz~26.5GHz

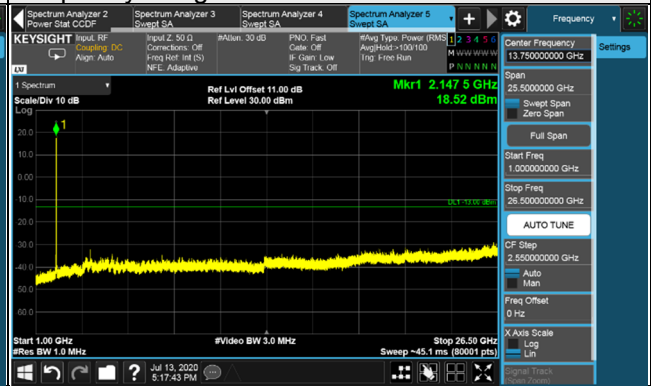


Channel 2300

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz



*The 9kHz signal over the limit is from Spectrum.

4.8 Radiated Emission Measurement

4.8.1 Limits of Radiated Emission Measurement

In the FCC 27.53(h), On any frequency outside a licensee's frequency block, The power of any emission shall be attenuated below the transmitter power (P) by at least $43 + 10 \log (P)$ dB, the emission limit equal to -13dBm .

4.8.2 Test Procedure

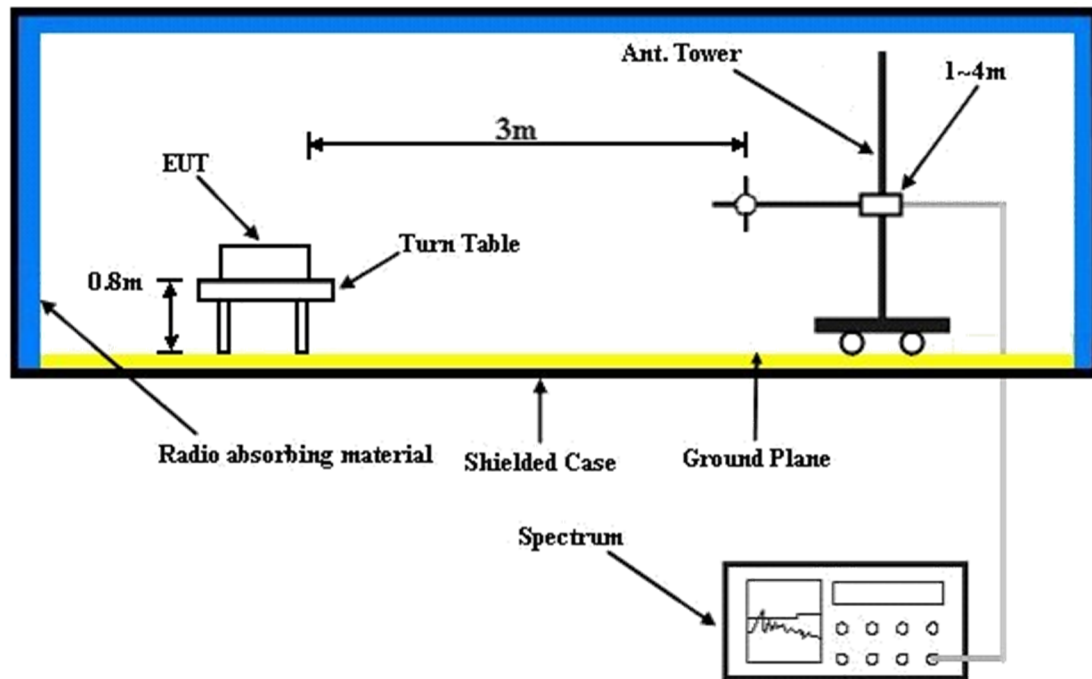
- a. The power was measured with R&S Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high channel of operational frequency range.)
- b. Substitution method is used for E.I.R.P measurement. In the semi-anechoic chamber, EUT placed on the 0.8m height of Turn Table, rotated the table around 360 degrees to search the maximum radiation power and receiver antenna shall be rotated vertical and horizontal polarization and moved height from 1m to 4m to find the maximum polar radiated power. The "Read Value" is the spectrum reading the maximum power value.
- c. The substitution antenna is substituted for EUT at the same position and signals generator export the CW signal to the substitution antenna via a TX cable. Rotated the Turn Table and moved receiving antenna to find the maximum radiation power. Adjust output power level of S.G to get a Value of spectrum reading equal to "Read Value" of step b. Record the power level of S.G
- d. $\text{EIRP} = \text{Output power level of S.G} - \text{TX cable loss} + \text{Antenna gain of substitution antenna}$.

Note: The resolution bandwidth and video bandwidth of test receiver/spectrum analyzer is 1MHz/3MHz.

4.8.3 Deviation from Test Standard

No deviation.

4.8.4 Test Setup



For the actual test configuration, please refer to the attached file (Test Setup Photo).

4.8.5 Test Results

Below 1GHz

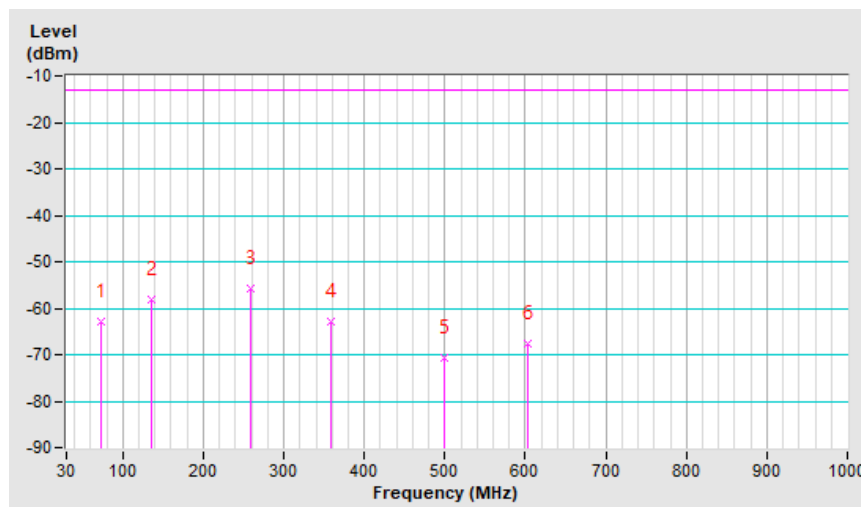
LTE Band 4, Channel Bandwidth: 5MHz

Mode	TX channel 2375 (2152.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	72.68	-57.0	-62.9	-0.1	-63.0	-13.0	-50.0
2	134.76	-52.2	-55.0	-3.2	-58.2	-13.0	-45.2
3	258.92	-50.8	-54.3	-1.5	-55.8	-13.0	-42.8
4	357.86	-60.0	-66.9	4.0	-62.9	-13.0	-49.9
5	499.48	-70.5	-74.4	3.8	-70.6	-13.0	-57.6
6	602.30	-69.1	-71.2	3.7	-67.5	-13.0	-54.5

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

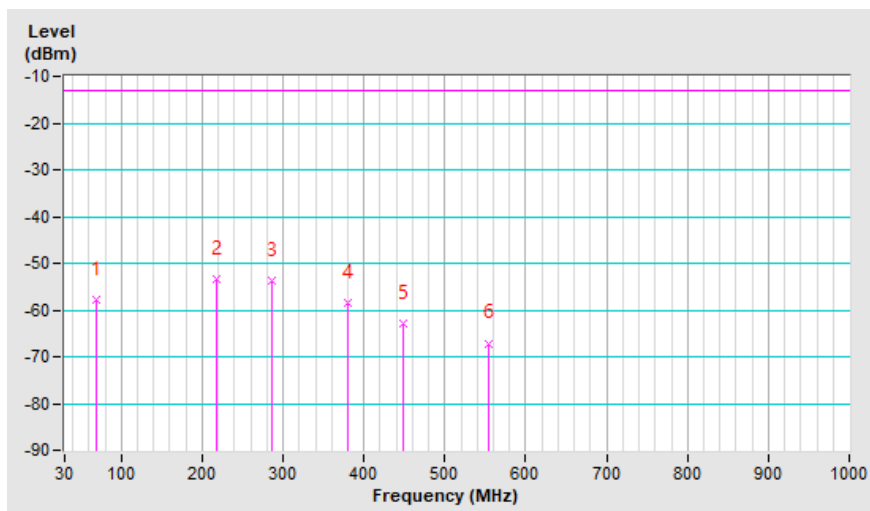


Mode	TX channel 2375 (2152.5MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	68.80	-51.3	-57.1	-0.8	-57.9	-13.0	-44.9
2	218.18	-49.5	-51.4	-2.1	-53.5	-13.0	-40.5
3	286.08	-55.7	-52.0	-1.7	-53.7	-13.0	-40.7
4	379.20	-58.1	-62.2	3.6	-58.6	-13.0	-45.6
5	449.04	-62.6	-66.3	3.4	-62.9	-13.0	-49.9
6	553.80	-68.8	-70.8	3.7	-67.1	-13.0	-54.1

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).



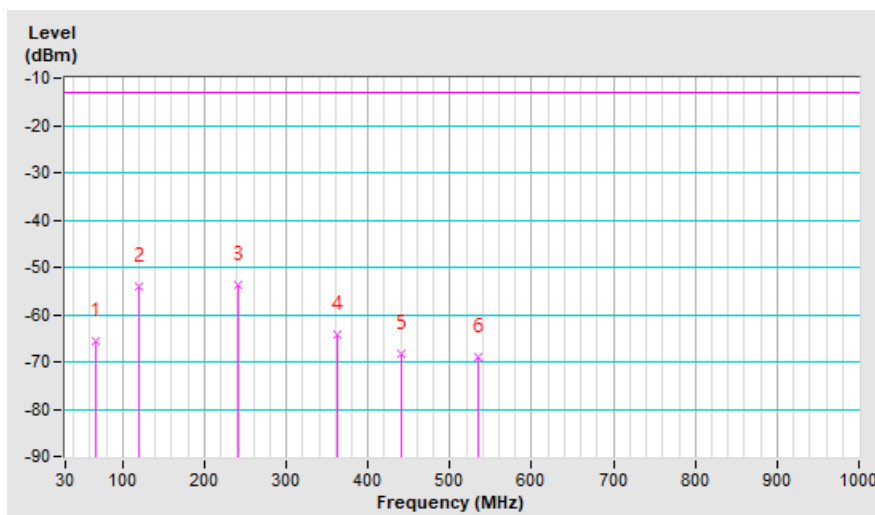
LTE Band 4, Channel Bandwidth: 20MHz

Mode	TX channel 2050 (2120.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	66.86	-58.7	-64.1	-1.5	-65.6	-13.0	-52.6
2	119.24	-46.3	-51.0	-3.1	-54.1	-13.0	-41.1
3	241.46	-46.8	-52.3	-1.4	-53.7	-13.0	-40.7
4	361.74	-61.5	-67.9	3.8	-64.1	-13.0	-51.1
5	441.28	-68.2	-71.9	3.5	-68.4	-13.0	-55.4
6	534.40	-69.3	-72.8	3.8	-69.0	-13.0	-56.0

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

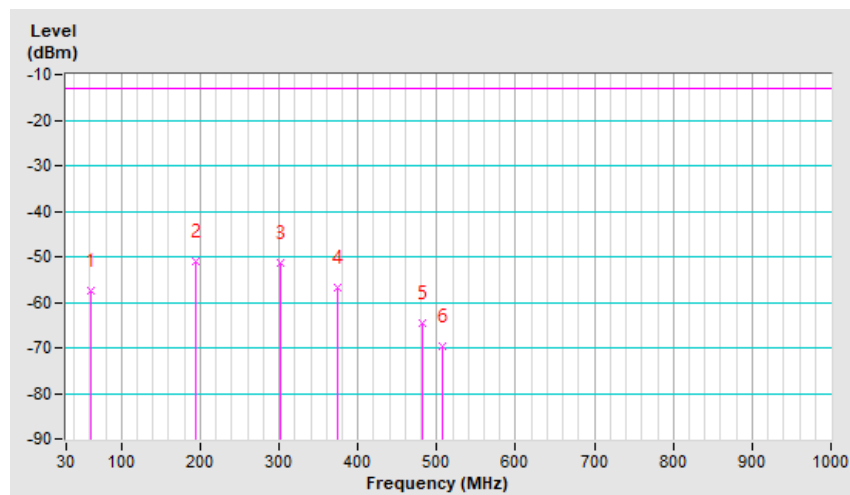


Mode	TX channel 2050 (2120.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	61.04	-50.5	-54.1	-3.2	-57.3	-13.0	-44.3
2	194.90	-49.9	-48.4	-2.6	-51.0	-13.0	-38.0
3	301.60	-51.6	-55.1	3.7	-51.4	-13.0	-38.4
4	373.38	-56.5	-60.5	3.7	-56.8	-13.0	-43.8
5	482.02	-64.3	-68.1	3.6	-64.5	-13.0	-51.5
6	507.24	-69.6	-73.5	3.9	-69.6	-13.0	-56.6

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).



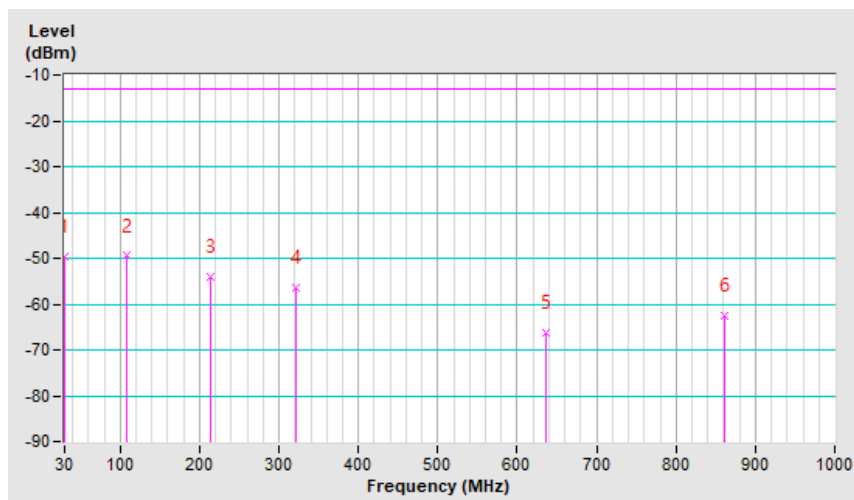
LTE Band 4 NB-IoT Guard band, Channel Bandwidth: 10MHz

Mode	TX channel 2000 (2115.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	30.00	-53.6	-30.2	-19.4	-49.6	-13.0	-36.6
2	107.60	-41.6	-47.2	-2.3	-49.5	-13.0	-36.5
3	214.30	-45.8	-52.2	-2.0	-54.2	-13.0	-41.2
4	321.00	-52.6	-60.6	4.0	-56.6	-13.0	-43.6
5	637.22	-68.4	-69.9	3.6	-66.3	-13.0	-53.3
6	860.32	-68.9	-65.6	3.2	-62.4	-13.0	-49.4

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

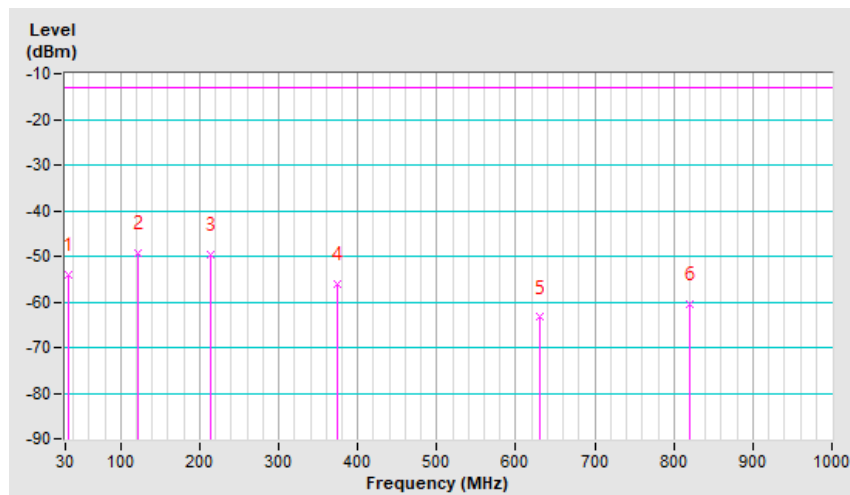


Mode	TX channel 2000 (2115.0MHz)	Frequency Range	Below 1000 MHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	33.88	-43.5	-37.0	-17.1	-54.1	-13.0	-41.1
2	121.18	-42.6	-46.0	-3.2	-49.2	-13.0	-36.2
3	214.30	-46.0	-47.6	-2.0	-49.6	-13.0	-36.6
4	373.38	-55.7	-59.7	3.7	-56.0	-13.0	-43.0
5	629.46	-68.2	-67.0	3.6	-63.4	-13.0	-50.4
6	819.58	-67.7	-64.4	3.9	-60.5	-13.0	-47.5

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).



Above 1GHz

LTE Band 4

Channel Bandwidth: 5MHz

Mode	TX channel 1975 (2112.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4225.00	-47.2	-38.6	1.0	-37.6	-13.0	-24.6

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4225.00	-50.2	-40.5	1.0	-39.5	-13.0	-26.5

Mode	TX channel 2175 (2132.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-47.5	-38.7	1.1	-37.6	-13.0	-24.6

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-50.2	-40.7	1.1	-39.6	-13.0	-26.6

Mode	TX channel 2375 (2152.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4305.00	-47.4	-38.2	1.0	-37.2	-13.0	-24.2

Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4305.00	-50.9	-41.4	1.0	-40.4	-13.0	-27.4

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

Channel Bandwidth: 20MHz

Mode	TX channel 2050 (2120.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4240.00	-46.9	-38.2	1.0	-37.2	-13.0	-24.2
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4240.00	-50.7	-41.1	1.0	-40.1	-13.0	-27.1

Mode	TX channel 2175 (2132.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-47.4	-38.6	1.1	-37.5	-13.0	-24.5
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-50.1	-40.6	1.1	-39.5	-13.0	-26.5

Mode	TX channel 2300 (2145.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Han Wu		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4290.00	-47.5	-38.5	1.1	-37.4	-13.0	-24.4
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4290.00	-50.4	-41.0	1.1	-39.9	-13.0	-26.9

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

LTE Band 4 NB-IoT Guard band

Channel Bandwidth: 10MHz

Mode	TX channel 2000 (2115.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4230.00	-47.4	-38.7	1.0	-37.7	-13.0	-24.7

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4230.00	-50.7	-41.0	1.0	-40.0	-13.0	-27.0

Mode	TX channel 2175 (2132.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-48.1	-39.3	1.1	-38.2	-13.0	-25.2

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-50.6	-41.1	1.1	-40.0	-13.0	-27.0

Mode	TX channel 2350 (2150.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4300.00	-47.2	-38.0	1.0	-37.0	-13.0	-24.0

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4300.00	-50.4	-40.9	1.0	-39.9	-13.0	-26.9

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

Channel Bandwidth: 15MHz

Mode	TX channel 2025 (2117.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4235.00	-47.6	-38.9	1.0	-37.9	-13.0	-24.9
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4235.00	-50.6	-40.9	1.0	-39.9	-13.0	-26.9

Mode	TX channel 2175 (2132.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-47.8	-39.0	1.1	-37.9	-13.0	-24.9
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-50.7	-41.2	1.1	-40.1	-13.0	-27.1

Mode	TX channel 2325 (2147.5MHz))	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4295.00	-48.1	-39.1	1.1	-38.0	-13.0	-25.0
Antenna Polarity & Test Distance: Vertical at 3 M							
No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4295.00	-50.8	-41.4	1.1	-40.3	-13.0	-27.3

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

Channel Bandwidth: 20MHz

Mode	TX channel 2050 (2120.0MHz),	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4240.00	-47.9	-39.2	1.0	-38.2	-13.0	-25.2

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4240.00	-50.8	-41.2	1.0	-40.2	-13.0	-27.2

Mode	TX channel 2175 (2132.5MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-47.4	-38.6	1.1	-37.5	-13.0	-24.5

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4265.00	-50.5	-41.0	1.1	-39.9	-13.0	-26.9

Mode	TX channel 2300 (2145.0MHz)	Frequency Range	1GHz ~ 26GHz
Environmental Conditions	22deg. C, 66%RH	Input Power	120Vac, 60Hz
Tested By	Greg Lin		

Antenna Polarity & Test Distance: Horizontal at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4290.00	-48.2	-39.2	1.1	-38.1	-13.0	-25.1

Antenna Polarity & Test Distance: Vertical at 3 M

No.	Freq. (MHz)	Reading (dBm)	S.G Power Value (dBm)	Correction Factor (dB)	EIRP (dBm)	Limit (dBm)	Margin (dB)
1	4290.00	-50.9	-41.5	1.1	-40.4	-13.0	-27.4

Remarks:

1. EIRP (dBm) = S.G Value (dBm) + Correction Factor (dB).
2. Correction Factor (dB) = Substitution Antenna Gain (dB) - Cable Loss (dB).

5 Pictures of Test Arrangements

Please refer to the attached file (Test Setup Photo).

Appendix – Information on 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 accredited and approved according to ISO/IEC 17025.

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

Linko EMC/RF Lab

Tel: 886-2-26052180

Fax: 886-2-26051924

Hsin Chu EMC/RF/Telecom Lab

Tel: 886-3-6668565

Fax: 886-3-6668323

Hwa Ya EMC/RF/Safety Lab

Tel: 886-3-3183232

Fax: 886-3-3270892

Email: service.adt@tw.bureauveritas.com

Web Site: www.bureauveritas-adt.com

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

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