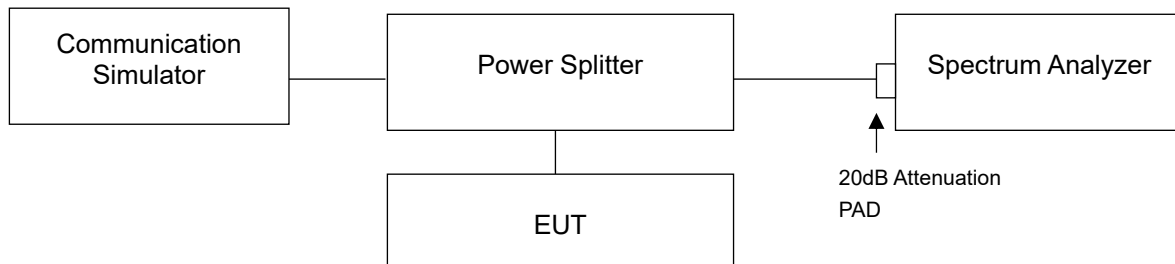


4.7 Conducted Spurious Emissions

4.7.1 Limits of Conducted Spurious Emissions Measurement

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. The emission limit equal to -13dBm .

4.7.2 Test Setup



4.7.3 Test Procedure

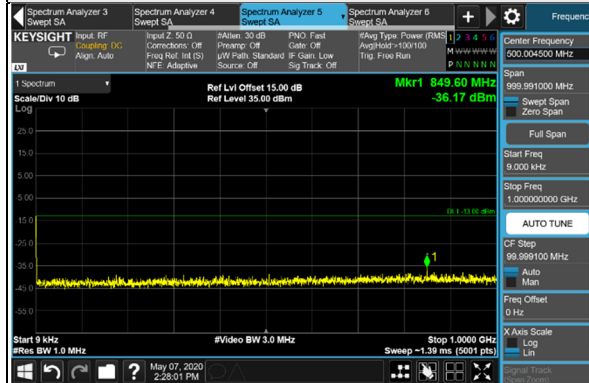
- The EUT makes a phone call to the communication simulator. All measurements were done at low, middle and high operational frequency range.
- Measuring frequency range is from 9 kHz to 1GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.
- Measuring frequency range is from 1GHz to 20GHz or 26.5GHz. 20dB attenuation pad is connected with spectrum. RBW=1MHz and VBW=3MHz is used for conducted emission measurement.

4.7.4 Test Results

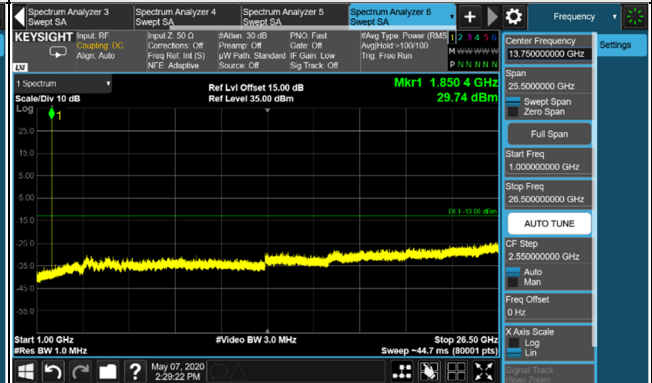
GSM

Channel 512 (1850.2MHz)

Frequency Range : 9kHz~1GHz

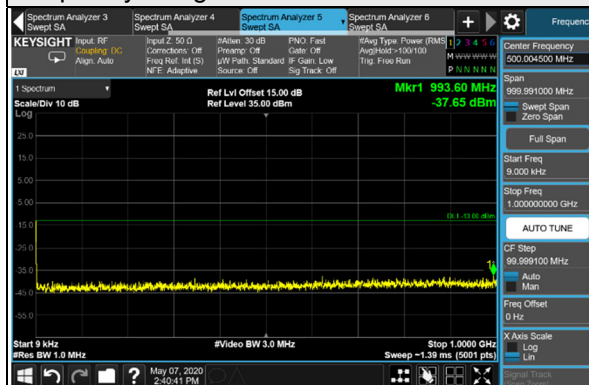


Frequency Range : 1GHz~26.5GHz

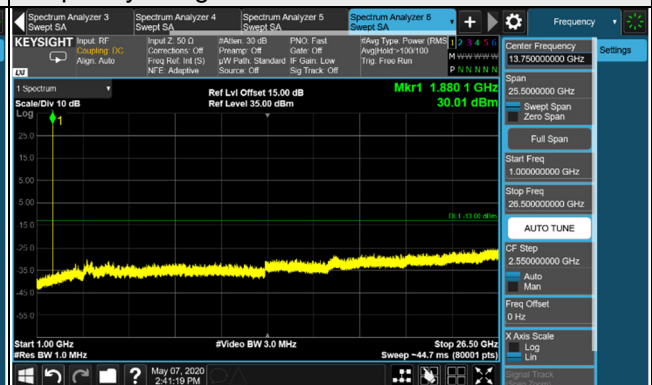


Channel 661 (1880.0MHz)

Frequency Range : 9kHz~1GHz

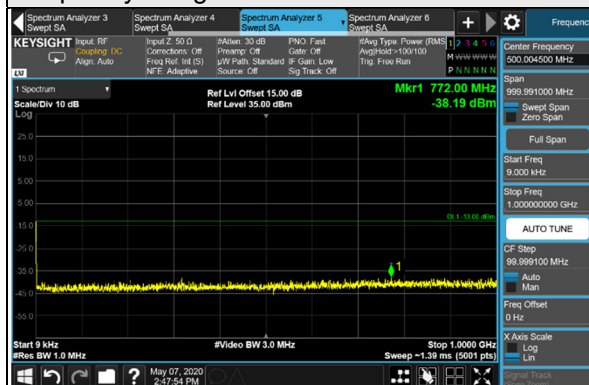


Frequency Range : 1GHz~26.5GHz

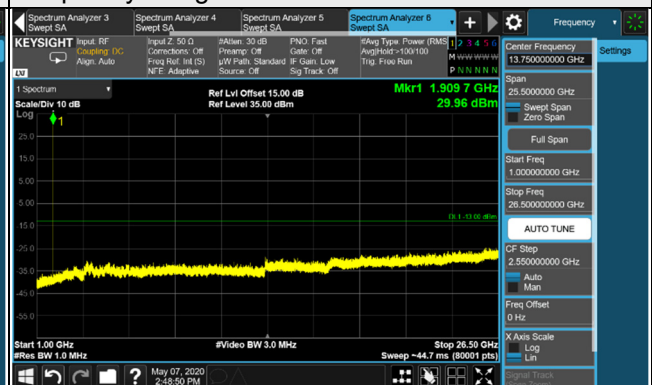


Channel 810 (1909.8MHz)

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz

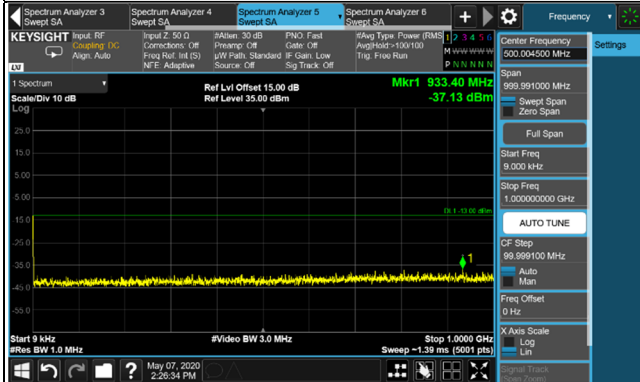


*The 9kHz signal over the limit is from Spectrum.

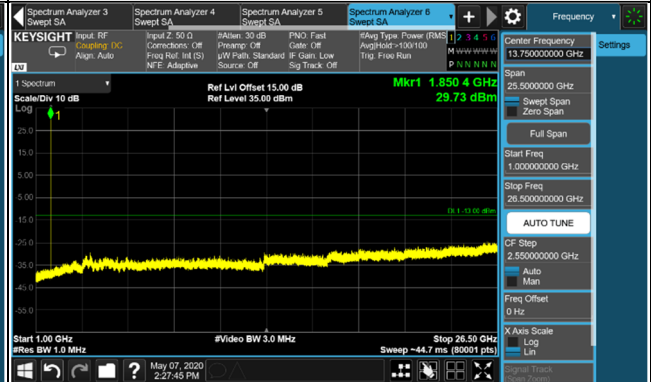
GPRS

Channel 512 (1850.2MHz)

Frequency Range : 9kHz~1GHz

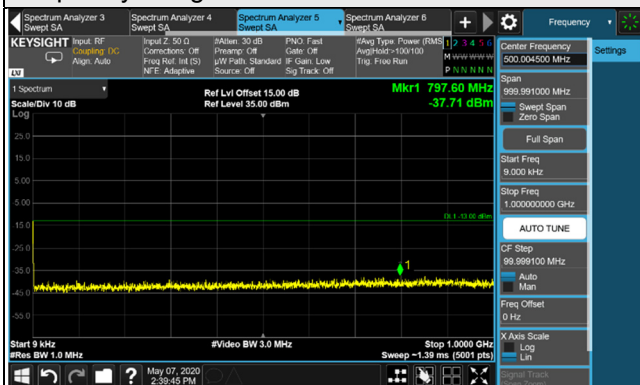


Frequency Range : 1GHz~26.5GHz

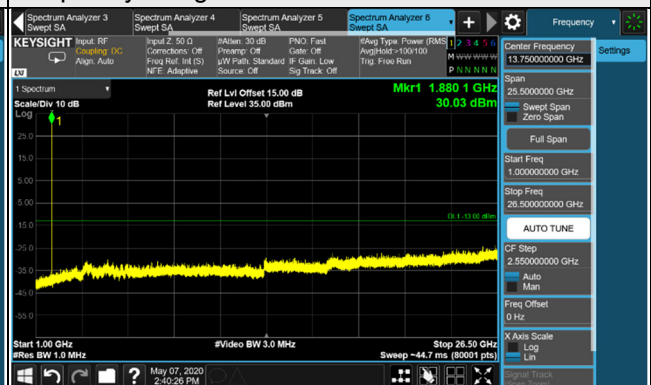


Channel 661 (1880.0MHz)

Frequency Range : 9kHz~1GHz

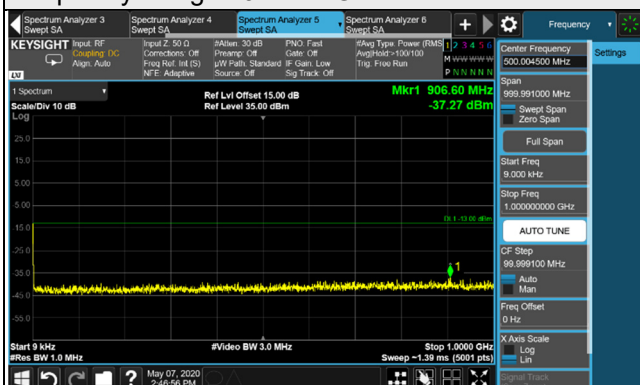


Frequency Range : 1GHz~26.5GHz

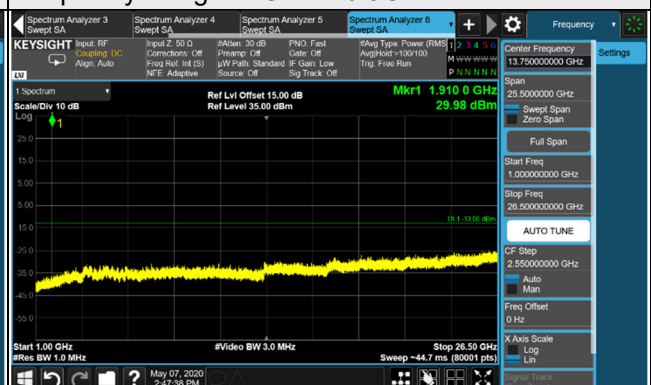


Channel 810 (1909.8MHz)

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz

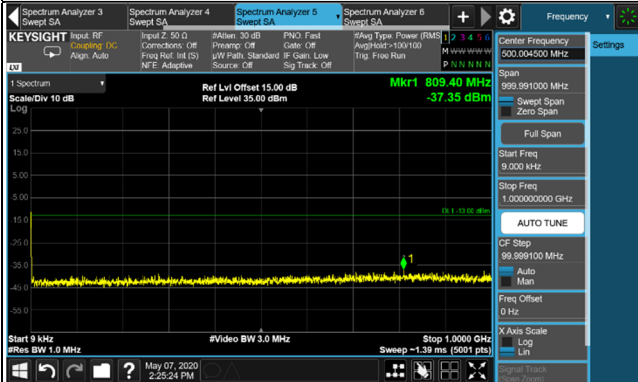


*The 9kHz signal over the limit is from Spectrum.

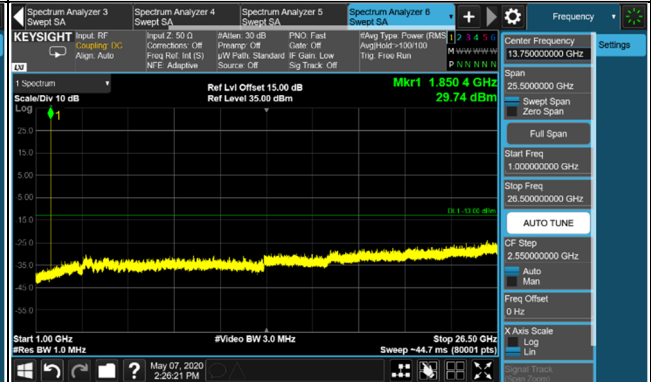
EDGE

Channel 512 (1850.2MHz)

Frequency Range : 9kHz~1GHz

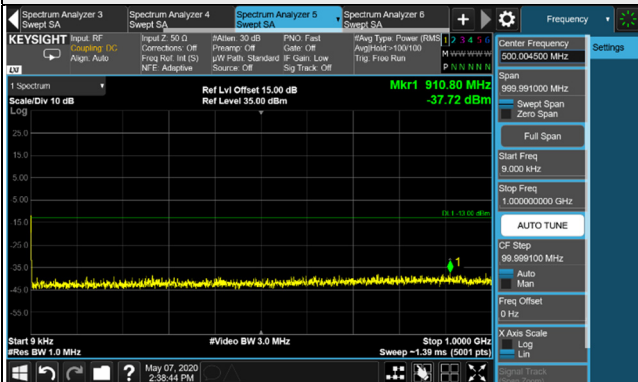


Frequency Range : 1GHz~26.5GHz

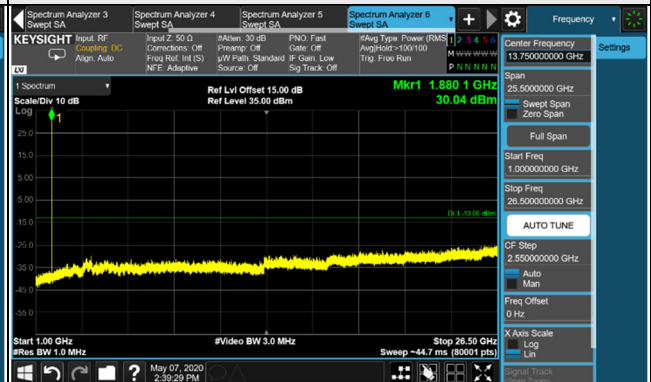


Channel 661 (1880.0MHz)

Frequency Range : 9kHz~1GHz

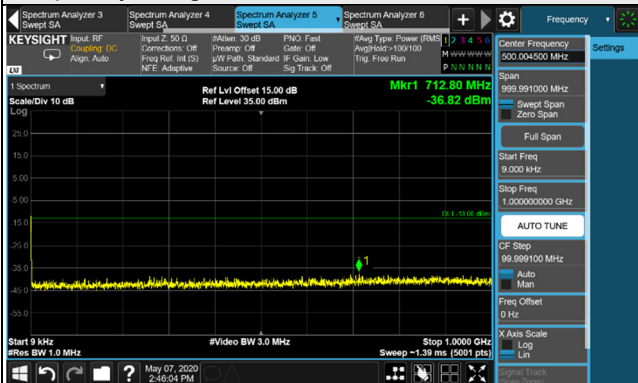


Frequency Range : 1GHz~26.5GHz

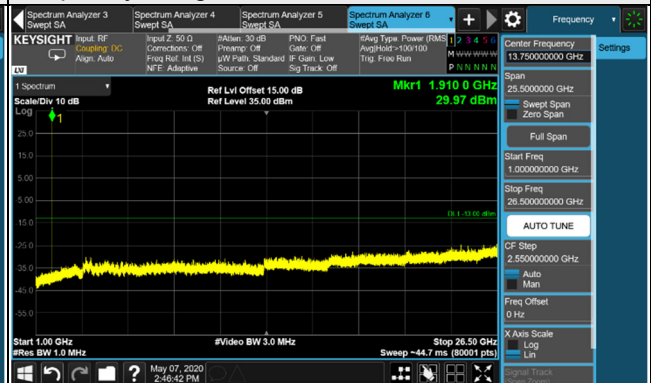


Channel 810 (1909.8MHz)

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz

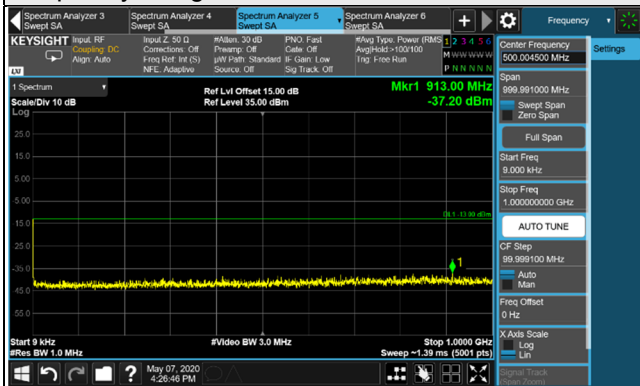


*The 9kHz signal over the limit is from Spectrum.

WCDMA

Channel 9262 (1852.4MHz)

Frequency Range : 9kHz~1GHz

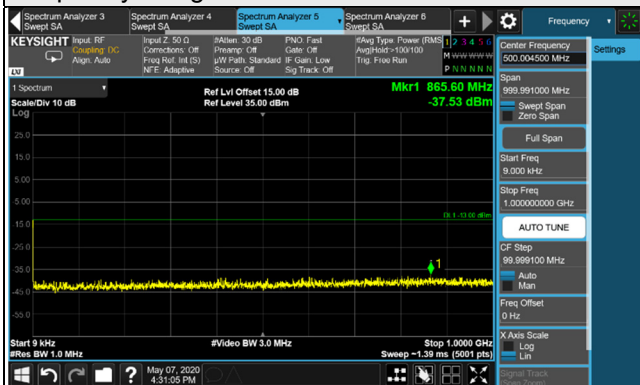


Frequency Range : 1GHz~26.5GHz

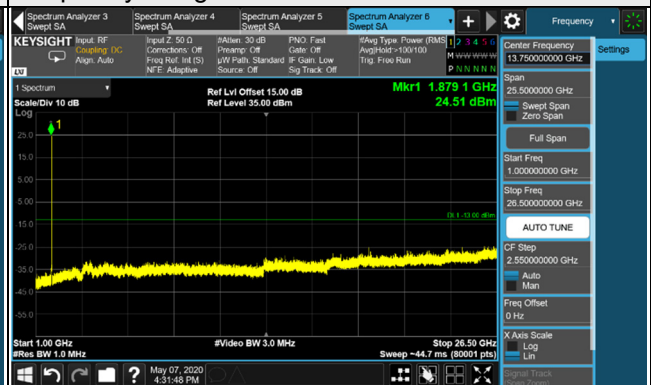


Channel 9400 (1880.0MHz)

Frequency Range : 9kHz~1GHz

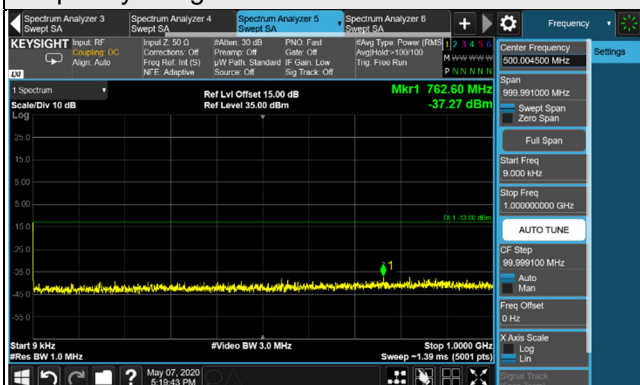


Frequency Range : 1GHz~26.5GHz

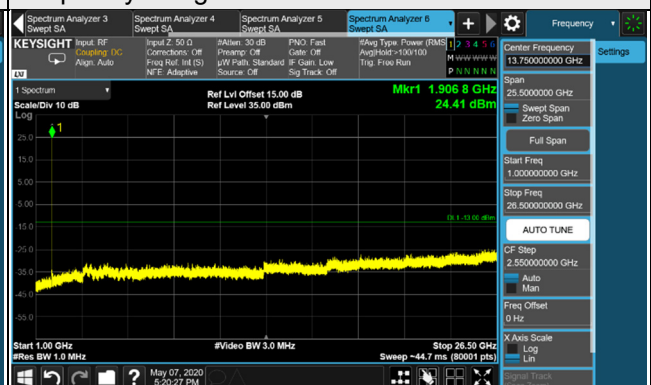


Channel 9538 (1907.6MHz)

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz

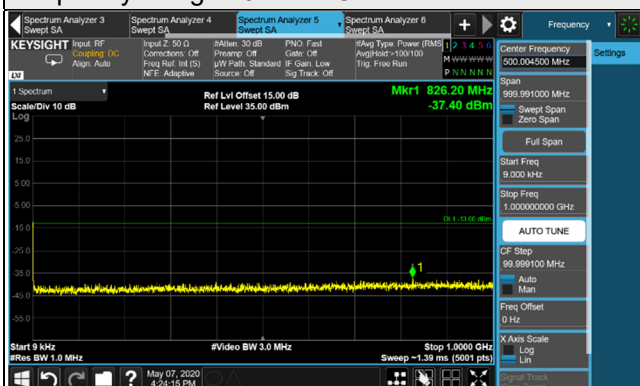


*The 9kHz signal over the limit is from Spectrum.

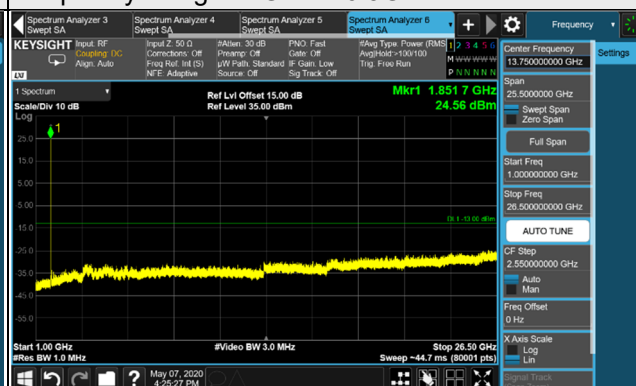
HSDPA

Channel 9262 (1852.4MHz)

Frequency Range : 9kHz~1GHz

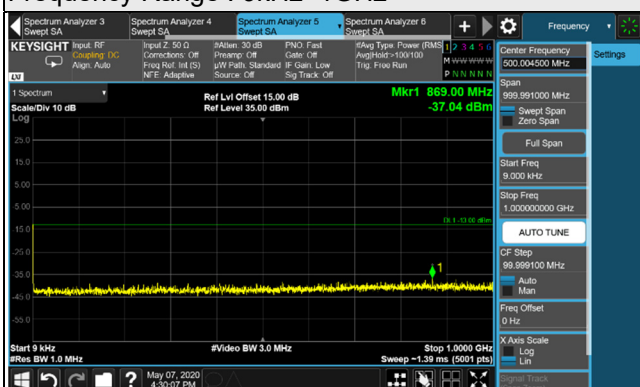


Frequency Range : 1GHz~26.5GHz

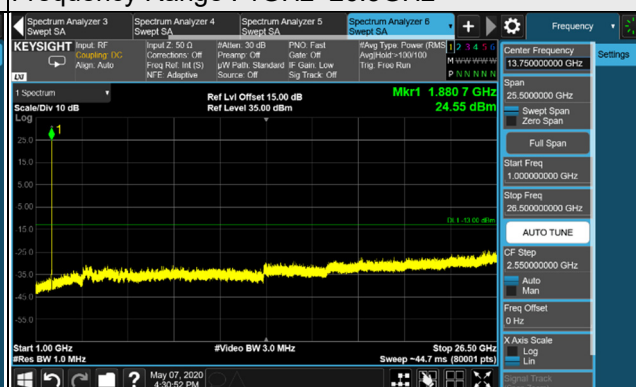


Channel 9400 (1880.0MHz)

Frequency Range : 9kHz~1GHz

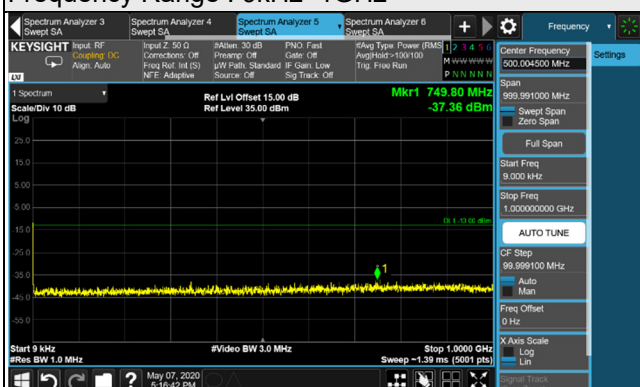


Frequency Range : 1GHz~26.5GHz

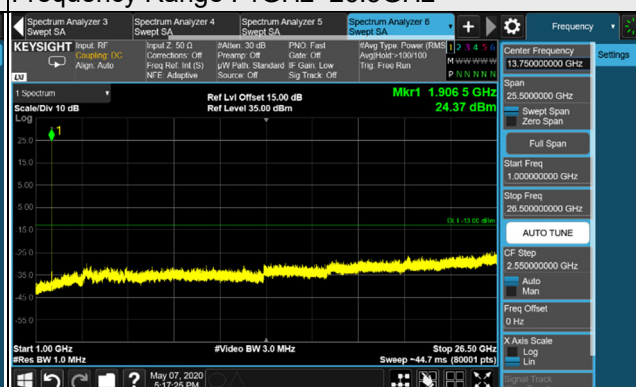


Channel 9538 (1907.6MHz)

Frequency Range : 9kHz~1GHz



Frequency Range : 1GHz~26.5GHz



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