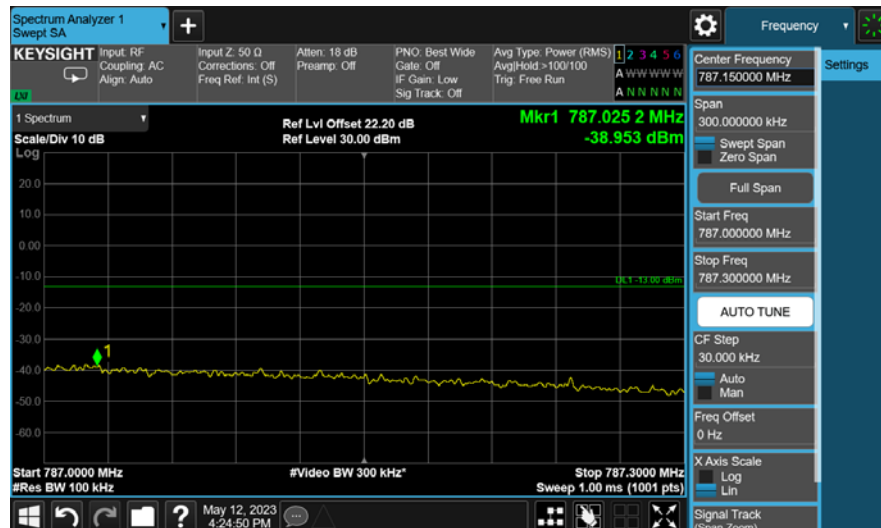
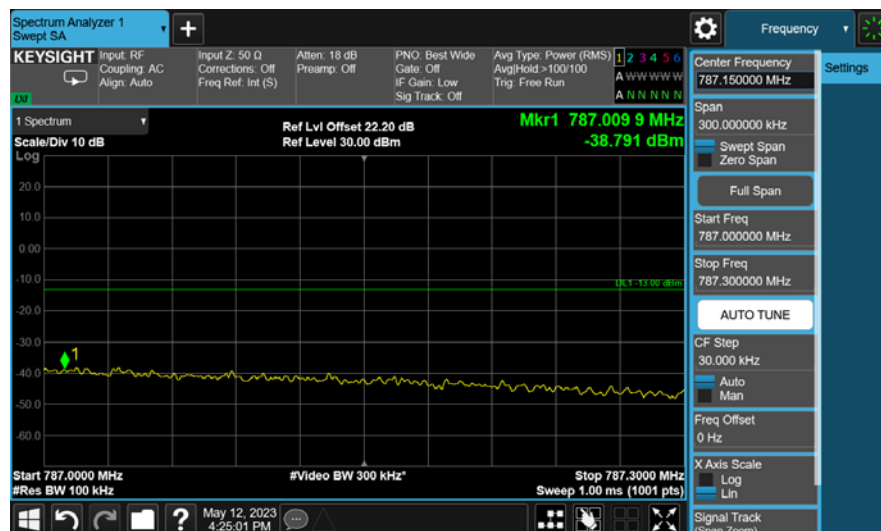


Out-of-band emissions

UL_Upper 700MHz Band_1.25MHz AWGN input_Upper band edge_pre-AGC



UL_Upper 700MHz Band_1.25MHz AWGN input_Upper band edge_10dB above AGC

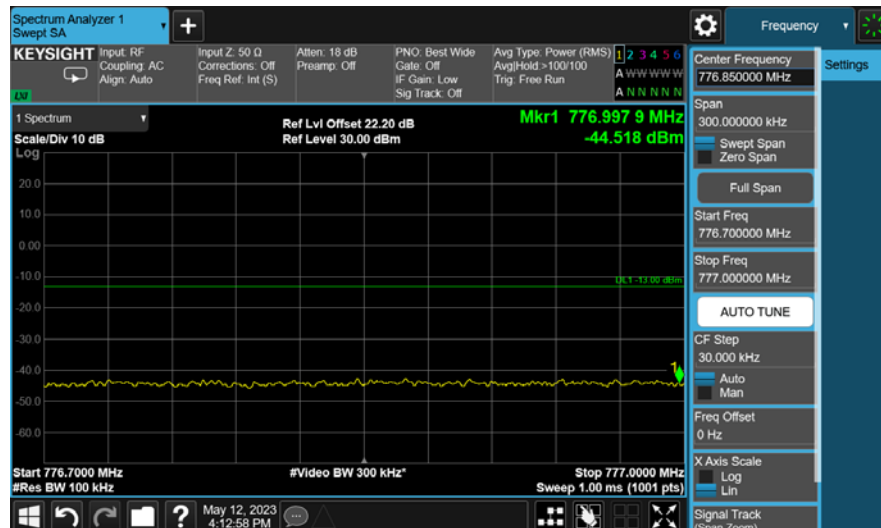


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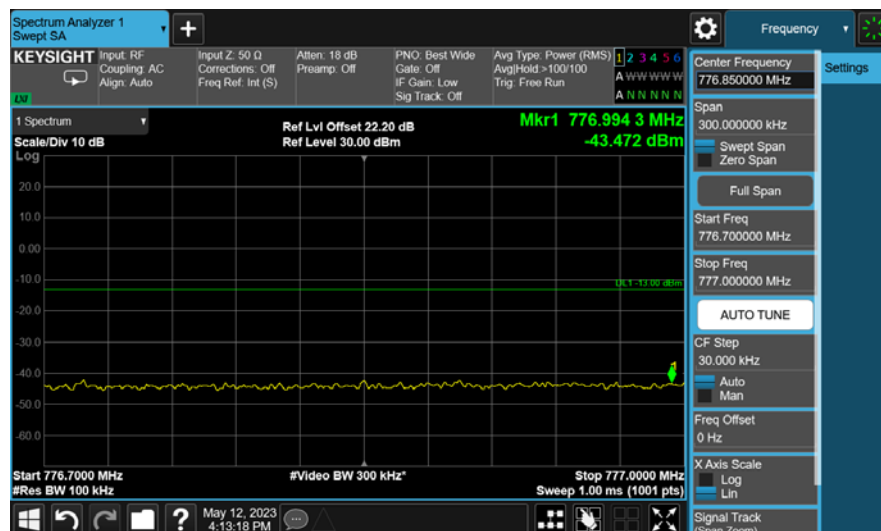
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Out-of-band emissions

UL_Upper 700MHz Band_4.1MHz AWGN input_Lower band edge_pre-AGC



UL_Upper 700MHz Band_4.1MHz AWGN input_Lower band edge_10dB above AGC

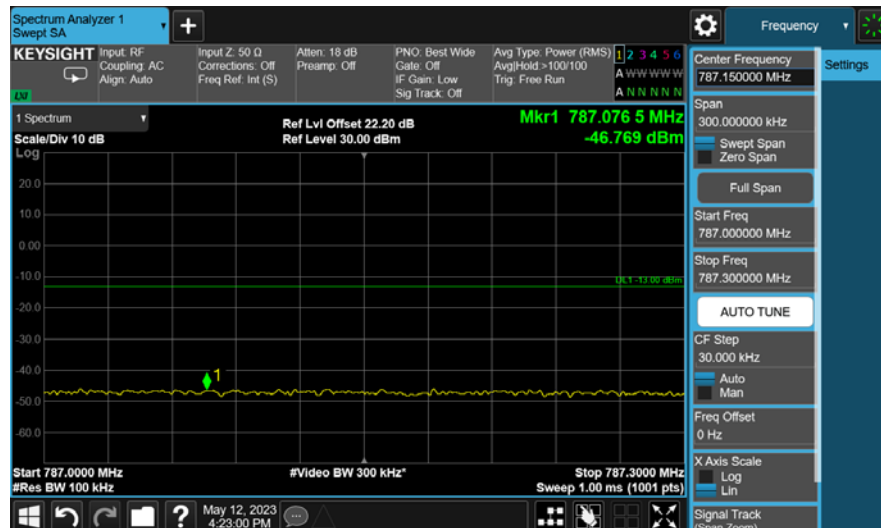


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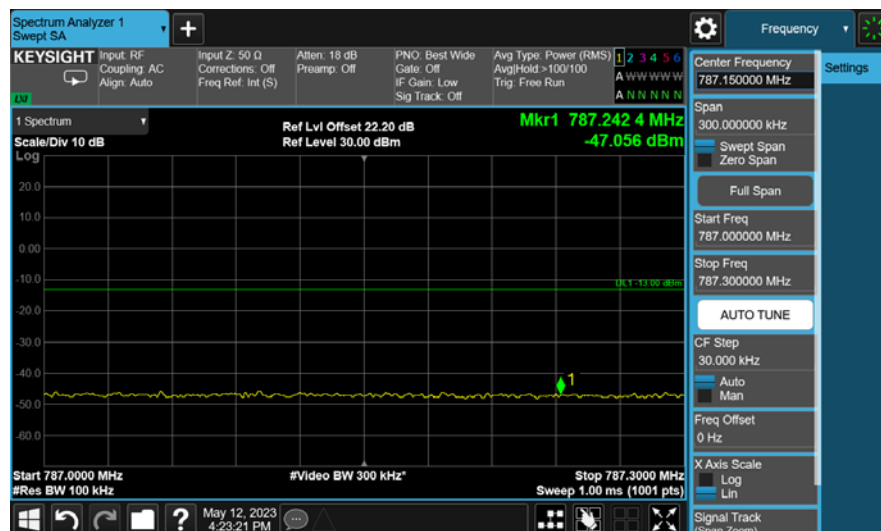
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Out-of-band emissions

UL_Upper 700MHz Band_4.1MHz AWGN input_Upper band edge_pre-AGC



UL_Upper 700MHz Band_4.1MHz AWGN input_Upper band edge_10dB above AGC

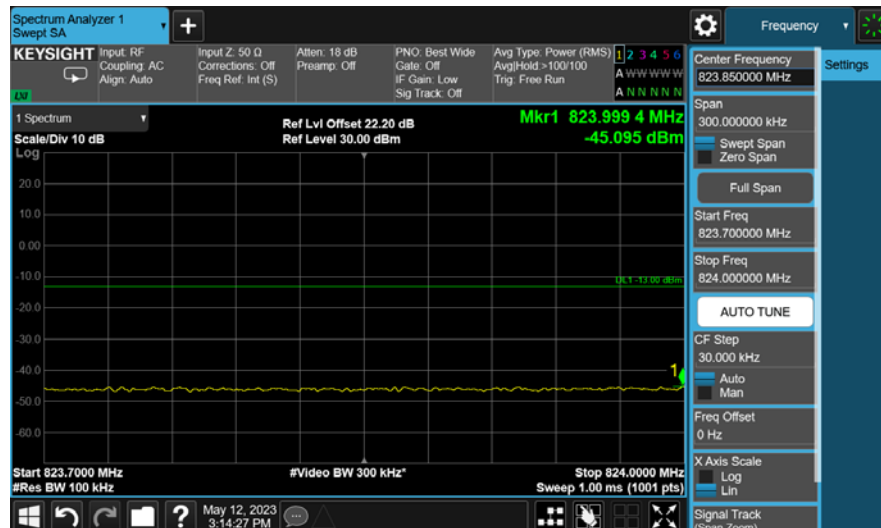


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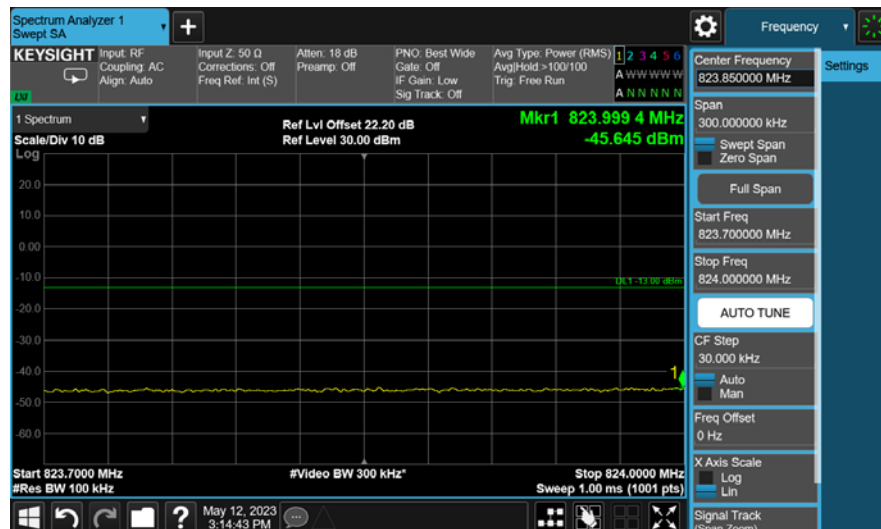
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Out-of-band emissions

UL_Cellular Band_GSM input_Lower band edge_pre-AGC



UL_Cellular Band_GSM input_Lower band edge_10dB above AGC



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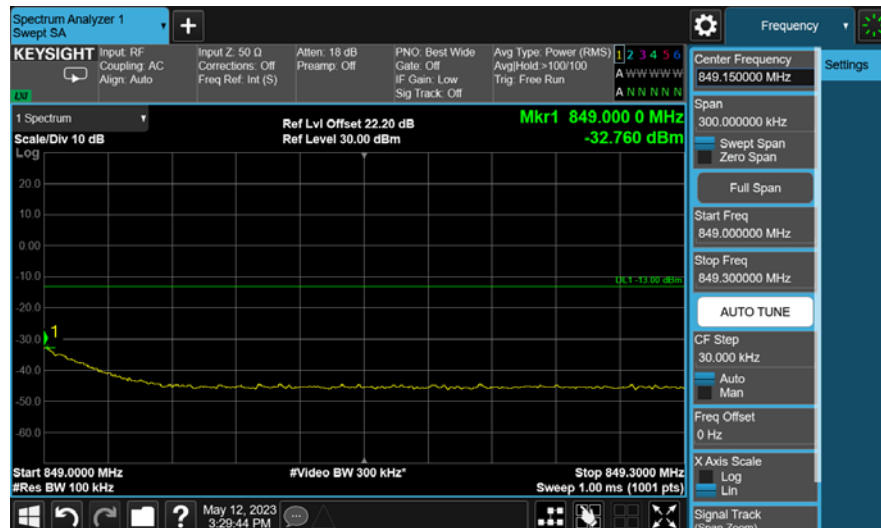
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Guangzhou Branch Technical Service EEC Laboratory

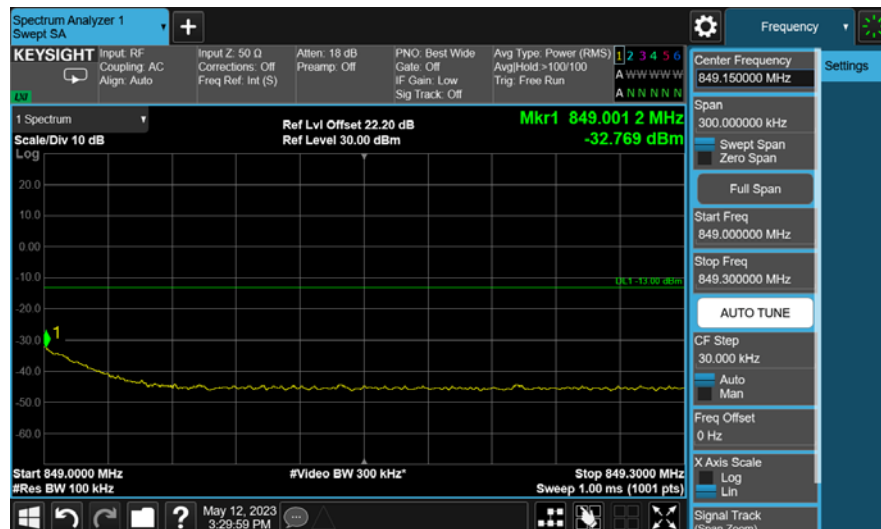
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

Out-of-band emissions

UL_Cellular Band_GSM input_Upper band edge_pre-AGC



UL_Cellular Band_GSM input_Upper band edge_10dB above AGC



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Out-of-band emissions

UL_Cellular Band_1.25MHz AWGN input_Lower band edge_pre-AGC



UL_Cellular Band_1.25MHz AWGN input_Lower band edge_10dB above AGC

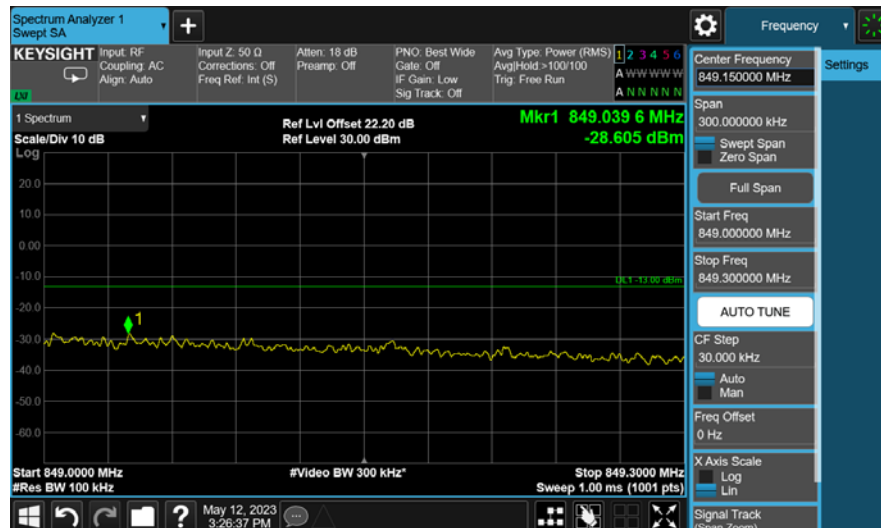


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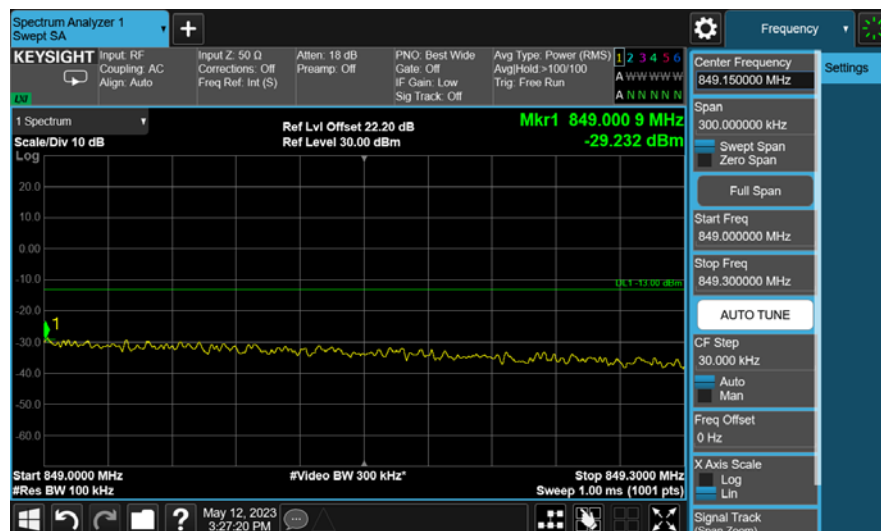
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Out-of-band emissions

UL_Cellular Band_1.25MHz AWGN input_Upper band edge_pre-AGC



UL_Cellular Band_1.25MHz AWGN input_Upper band edge_10dB above AGC



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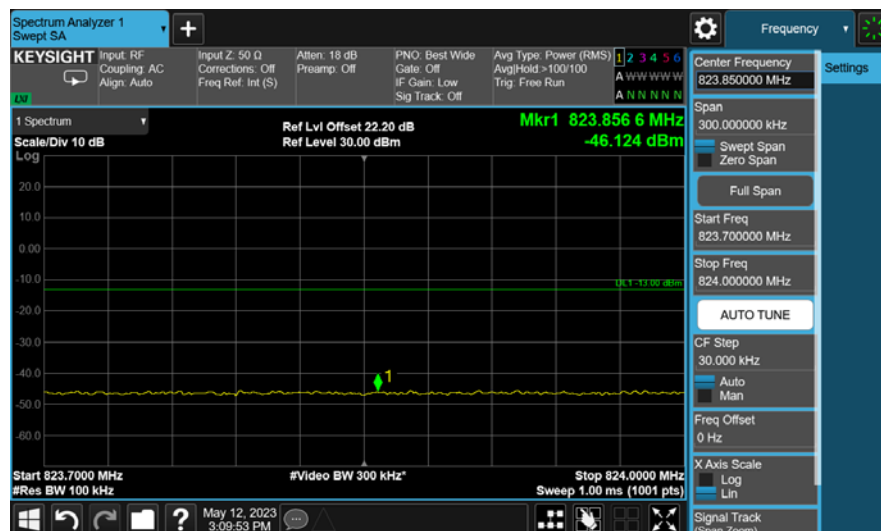
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Out-of-band emissions

UL_Cellular Band_4.1MHz AWGN input_Lower band edge_pre-AGC



UL_Cellular Band_4.1MHz AWGN input_Lower band edge_10dB above AGC

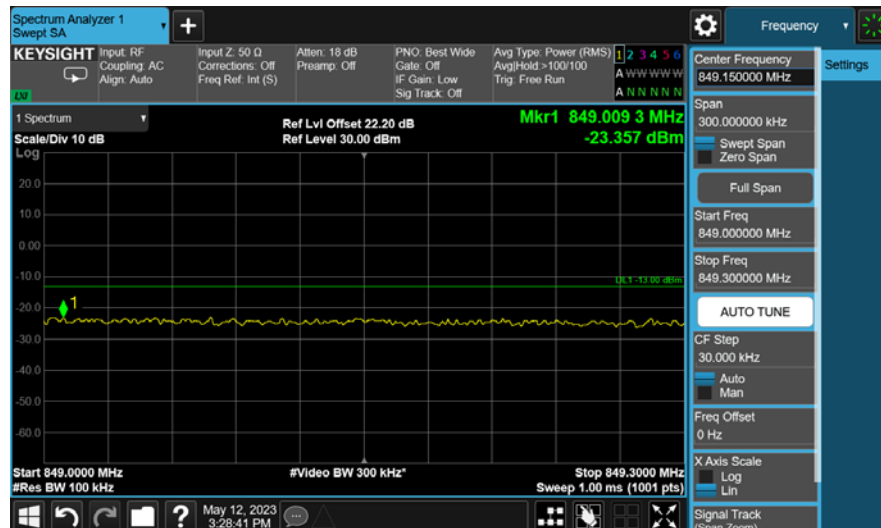


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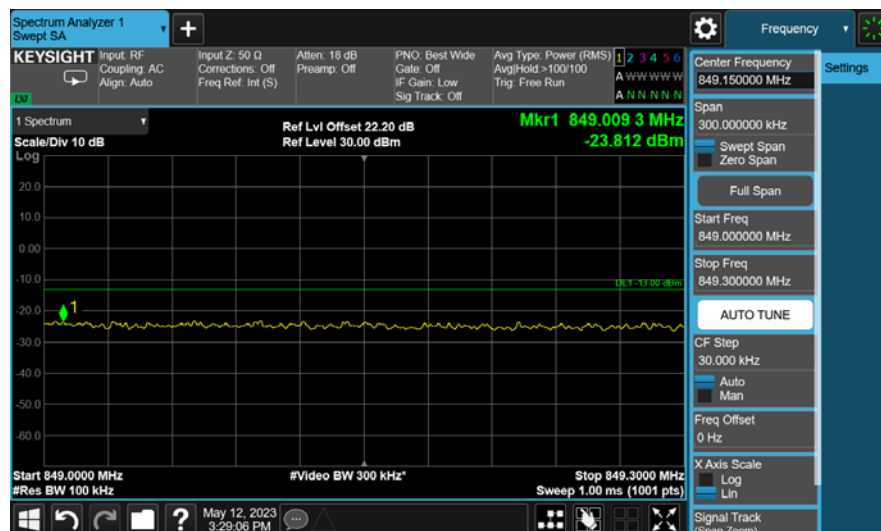
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Out-of-band emissions

UL_Cellular Band_4.1MHz AWGN input_Upper band edge_pre-AGC



UL_Cellular Band_4.1MHz AWGN input_Upper band edge_10dB above AGC



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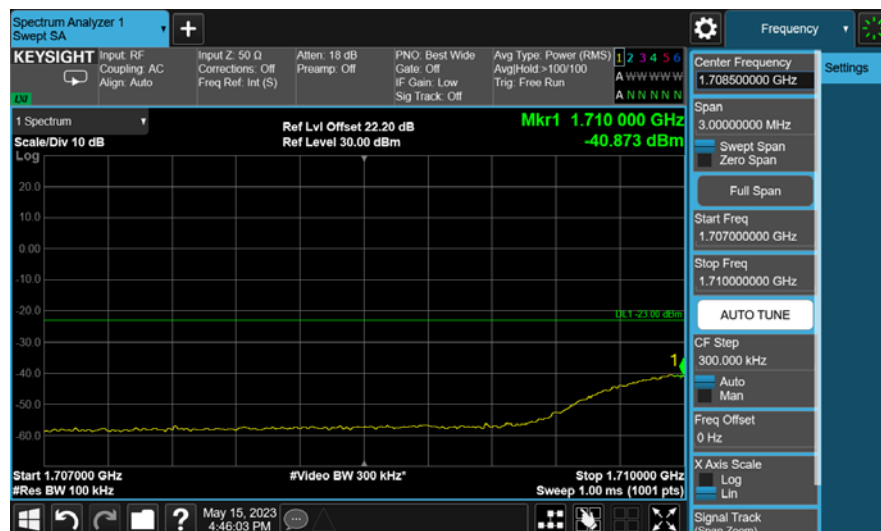
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Out-of-band emissions

UL_AWS-1 Band_GSM input_Lower band edge_pre-AGC



UL_AWS-1 Band_GSM input_Lower band edge_10dB above AGC

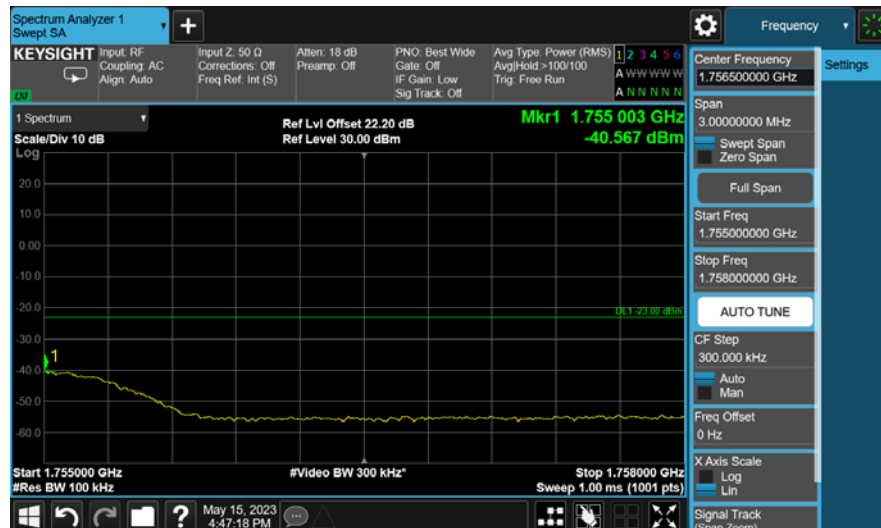


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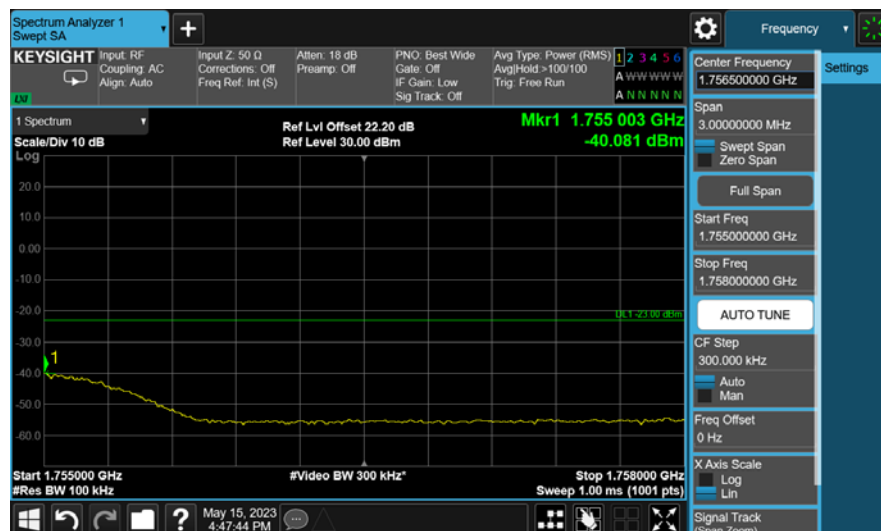
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Out-of-band emissions

UL_AWS-1 Band_GSM input_Upper band edge_pre-AGC



UL_AWS-1 Band_GSM input_Upper band edge_10dB above AGC

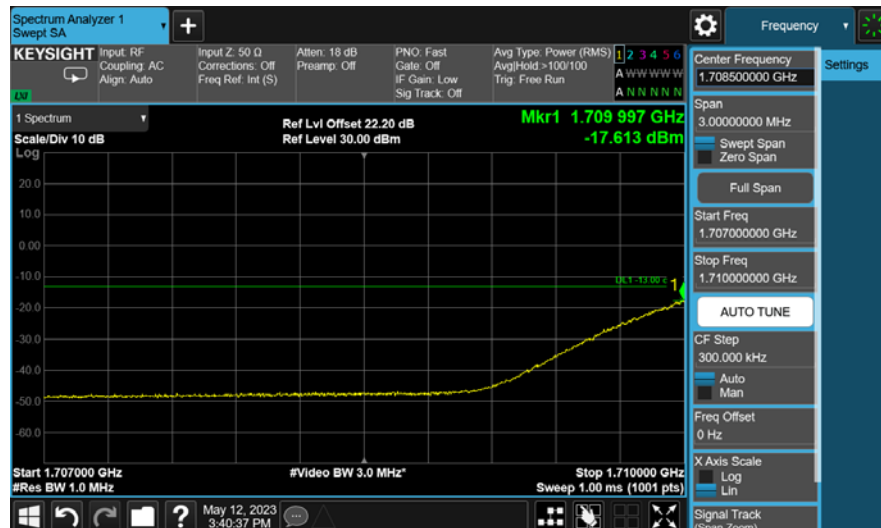


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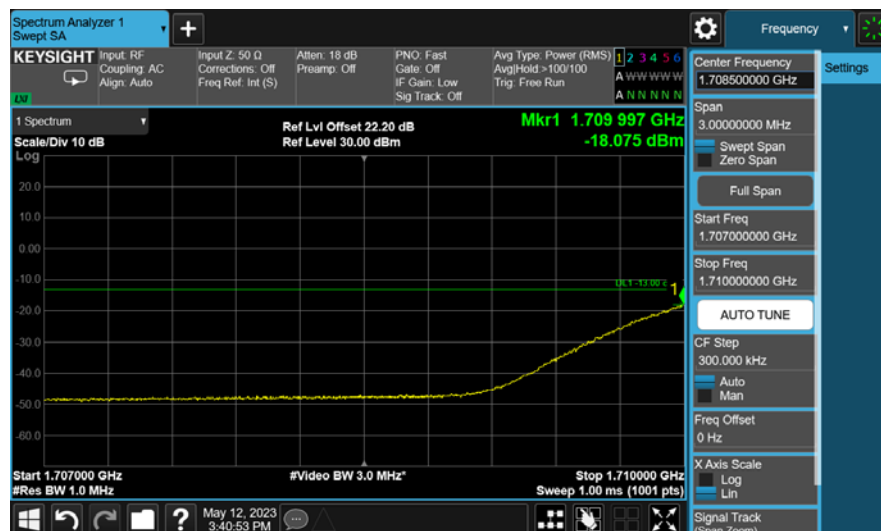
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Out-of-band emissions

UL_AWS-1 Band_1.25MHz AWGN input_Lower band edge_pre-AGC



UL_AWS-1 Band_1.25MHz AWGN input_Lower band edge_10dB above AGC

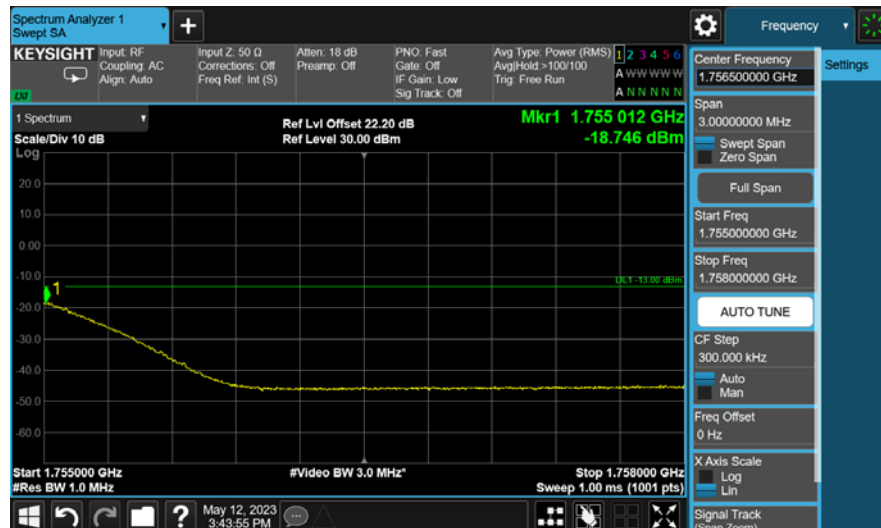


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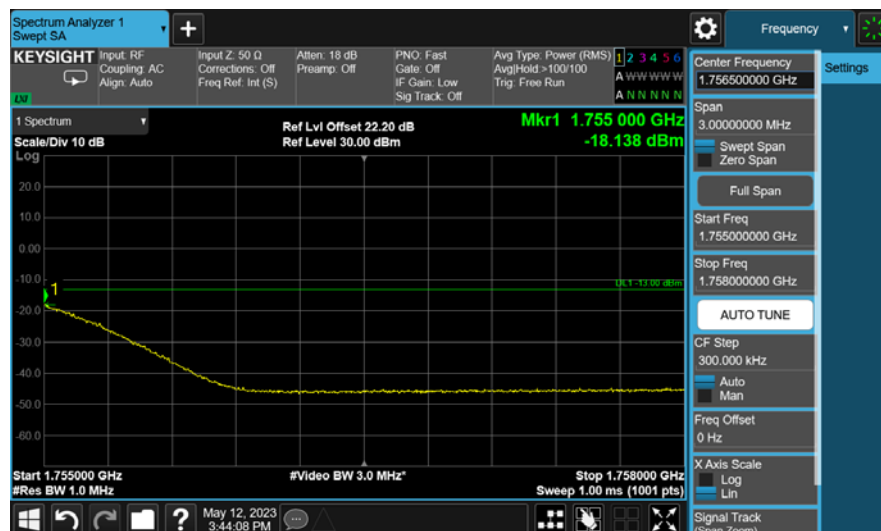
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Out-of-band emissions

UL_AWS-1 Band_1.25MHz AWGN input_Upper band edge_pre-AGC



UL_AWS-1 Band_1.25MHz AWGN input_Upper band edge_10dB above AGC

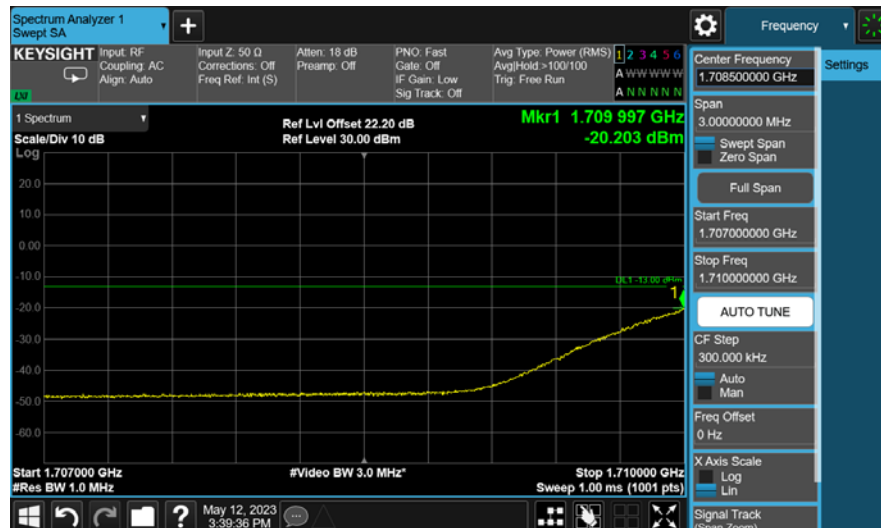


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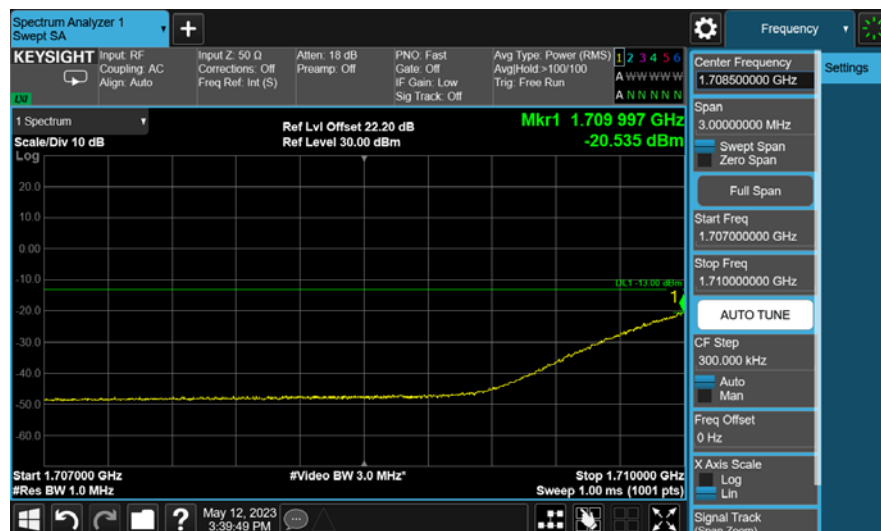
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Out-of-band emissions

UL_AWS-1 Band_4.1MHz AWGN input_Lower band edge_pre-AGC



UL_AWS-1 Band_4.1MHz AWGN input_Lower band edge_10dB above AGC

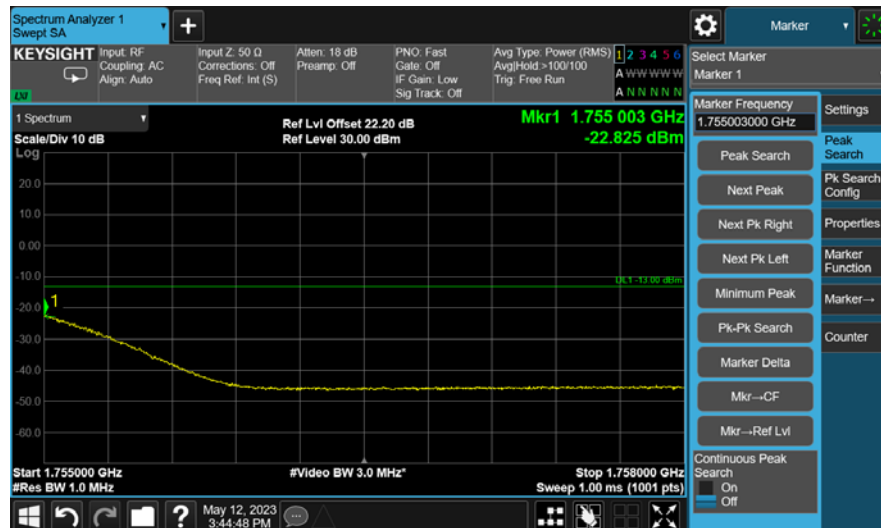


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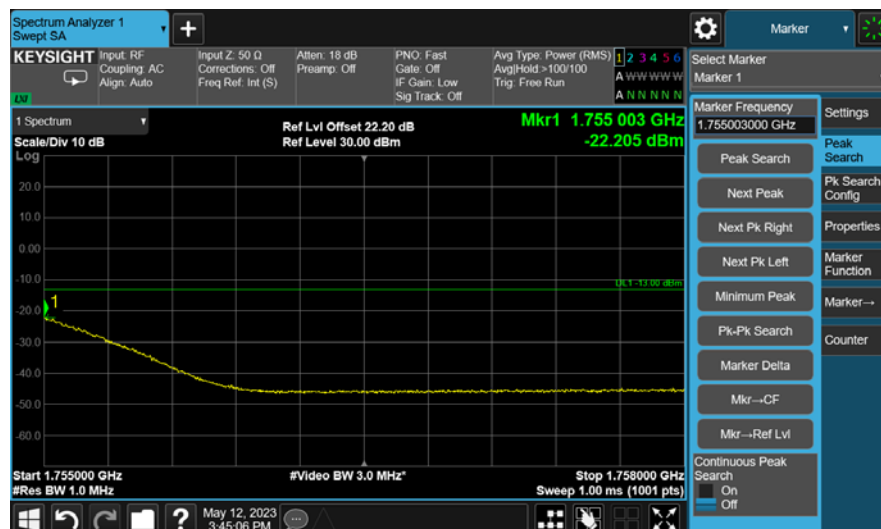
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Out-of-band emissions

UL_AWS-1 Band_4.1MHz AWGN input_Upper band edge_pre-AGC



UL_AWS-1 Band_4.1MHz AWGN input_Upper band edge_10dB above AGC

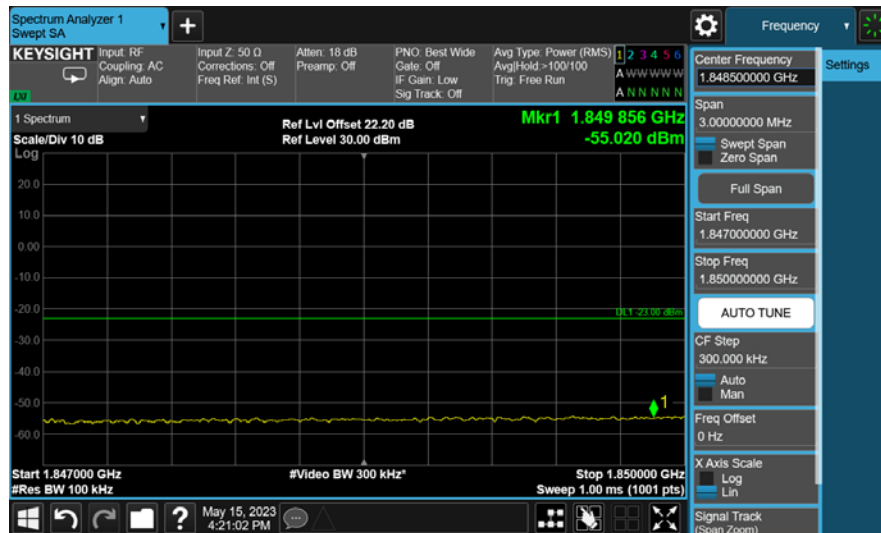


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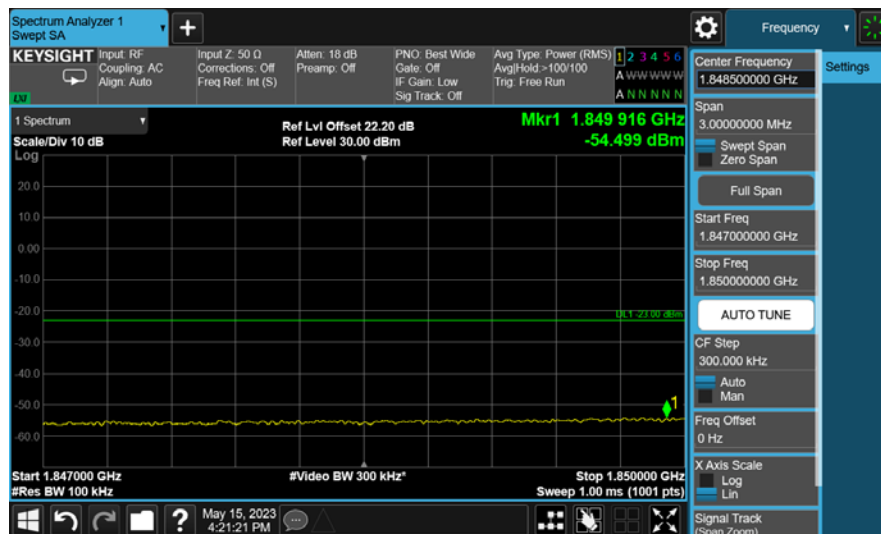
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Out-of-band emissions

UL_Broadband PCS Band_GSM input_Lower band edge_pre-AGC



UL_Broadband PCS Band_GSM input_Lower band edge_10dB above AGC

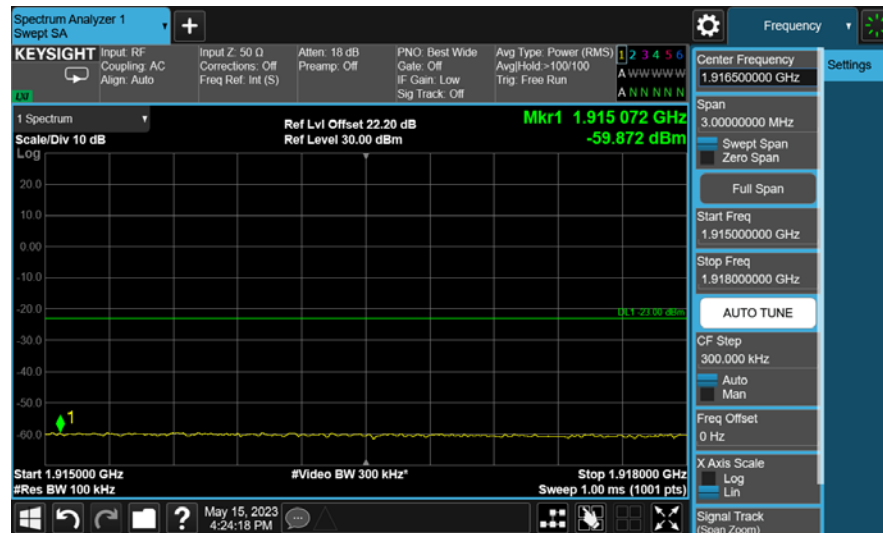


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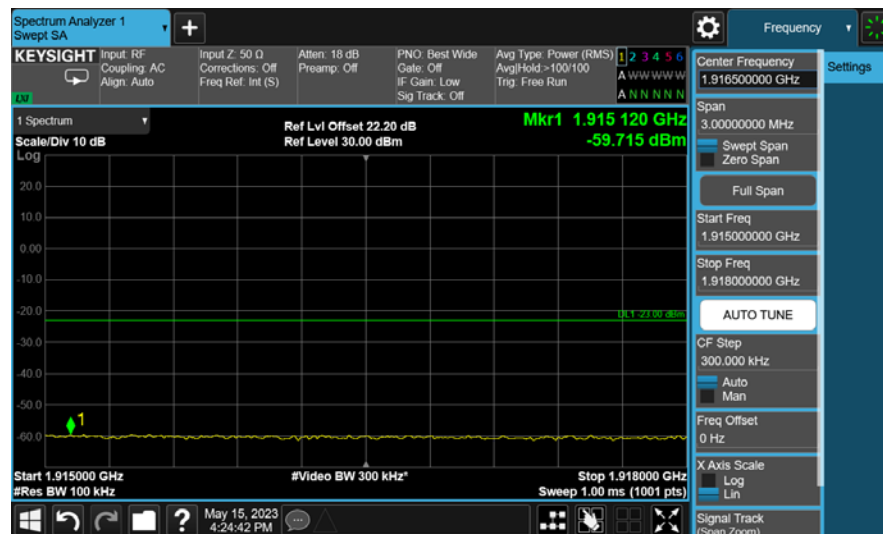
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Out-of-band emissions

UL_Broadband PCS Band_GSM input_Upper band edge_pre-AGC



UL_Broadband PCS Band_GSM input_Upper band edge_10dB above AGC

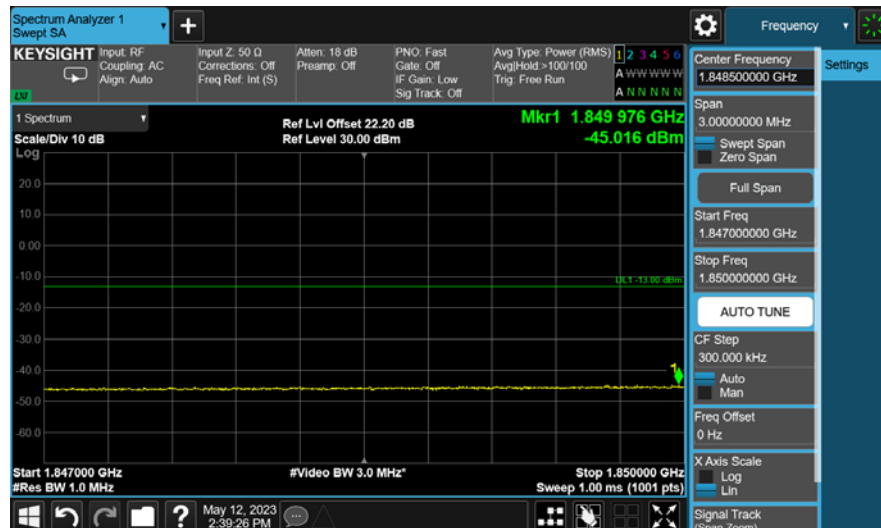


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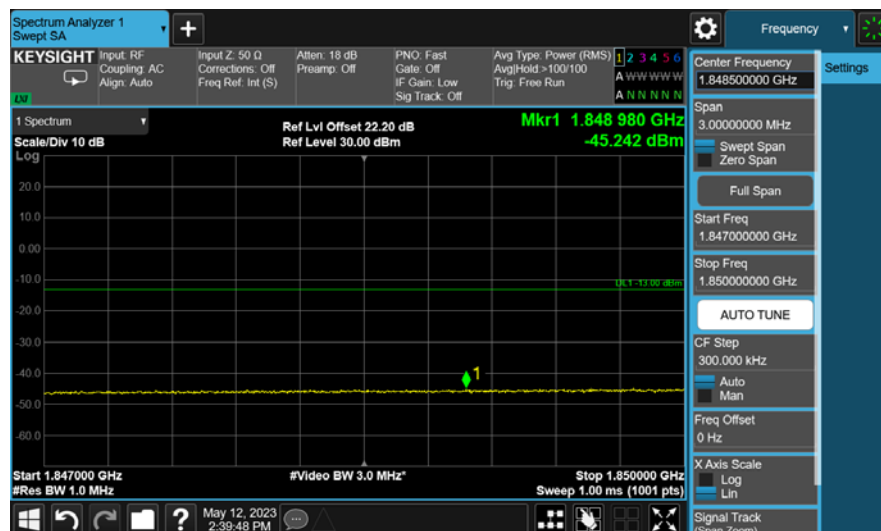
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Out-of-band emissions

UL_Broadband PCS Band_1.25MHz AWGN input_Lower band edge_pre-AGC



UL_Broadband PCS Band_1.25MHz AWGN input_Lower band edge_10dB above AGC

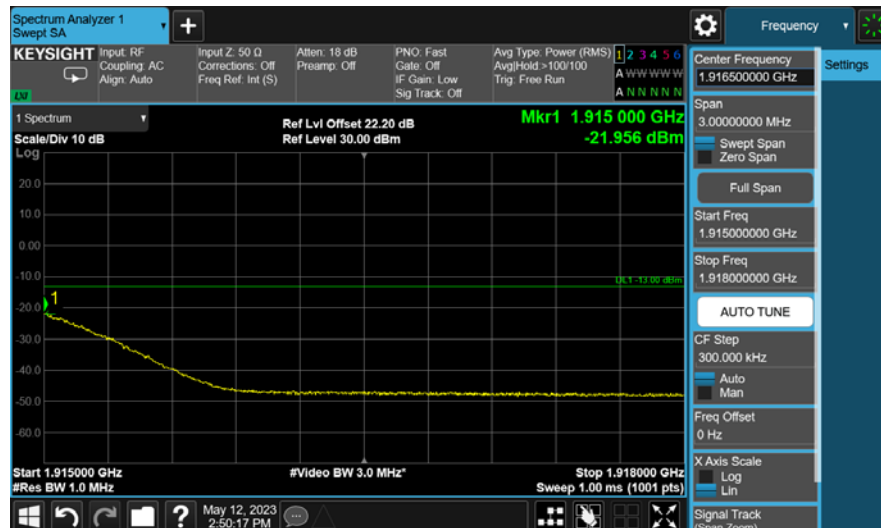


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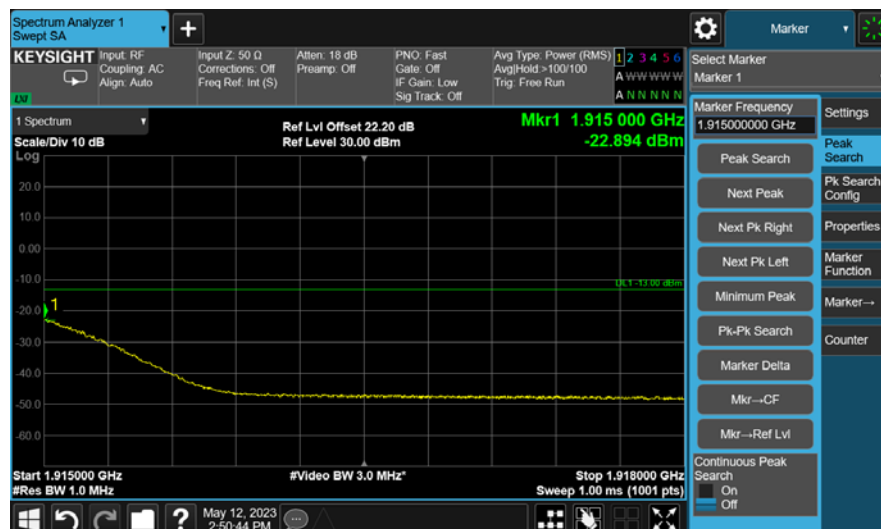
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Out-of-band emissions

UL_Broadband PCS Band_1.25MHz AWGN input_Upper band edge_pre-AGC



UL_Broadband PCS Band_1.25MHz AWGN input_Upper band edge_10dB above AGC



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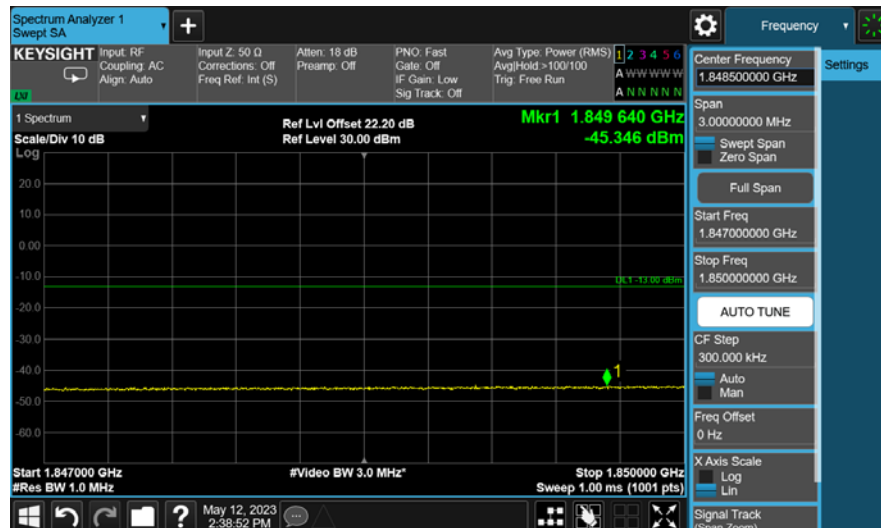
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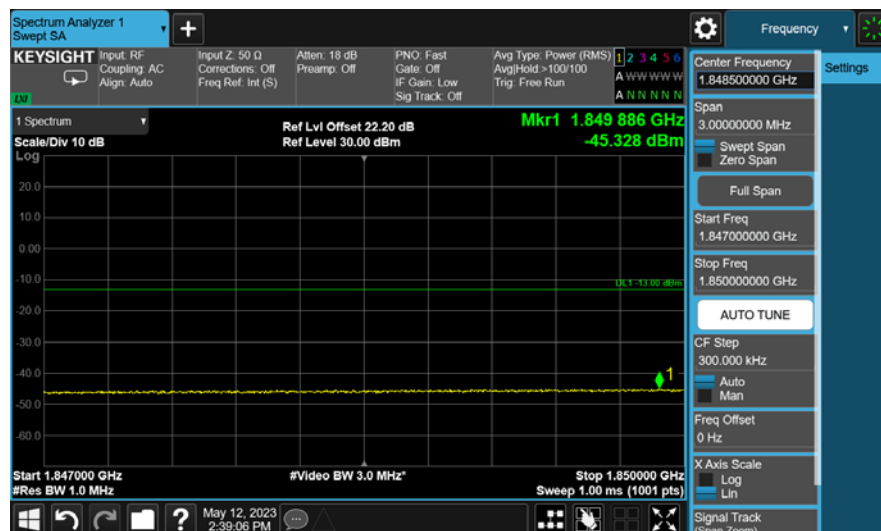
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

Out-of-band emissions

UL_Broadband PCS Band_4.1MHz AWGN input_Lower band edge_pre-AGC



UL_Broadband PCS Band_4.1MHz AWGN input_Lower band edge_10dB above AGC



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7 Conducted spurious emissions

20.21(e)(9)(i)(F) Out of Band Emission Limits:

Booster out of band emissions (OOBE) shall meet the FCC's mobile emission limits for the supported bands of operation. Compliance to OOBE limits will utilize high peak-to-average CMRS signal types.

22.917

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 limit = $\{P - [43 + 10 \log(P)]\}$ dBm = -13dBm.

24.238

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 limit = $\{P - [43 + 10 \log(P)]\}$ dBm = -13dBm.

27.53(c)

For operations in the 746-758 MHz band and the 776-788 MHz band, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

1) On any frequency outside the 746-758 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB.

The limit = $\{P - [43 + 10 \log(P)]\}$ dBm = -13dBm.

(2) On any frequency outside the 776-788 MHz band, the power of any emission shall be attenuated outside the band below the transmitter power (P) by at least $43 + 10 \log(P)$ dB.

The limit = $\{P - [43 + 10 \log(P)]\}$ dBm = -13dBm.

(3) On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $76 + 10 \log(P)$ dB in a 6.25 kHz band segment, for base and fixed stations.

The limit = $\{P - [76 + 10 \log(P)]\}$ dBm = -46dBm.

27.53 C(4):

On all frequencies between 763 - 775 MHz and 793 - 805 MHz, by a factor not less than $65 + 10 \log(P)$ dB = -35dbm in a 6.25 kHz band segment, for mobile and portable stations;

27.53(g)

For operations in the 600 MHz band and the 698-746 MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB.

The limit = $\{P - [43 + 10 \log(P)]\}$ dBm = -13dBm.

27.53(h)

the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log(P)$ dB.

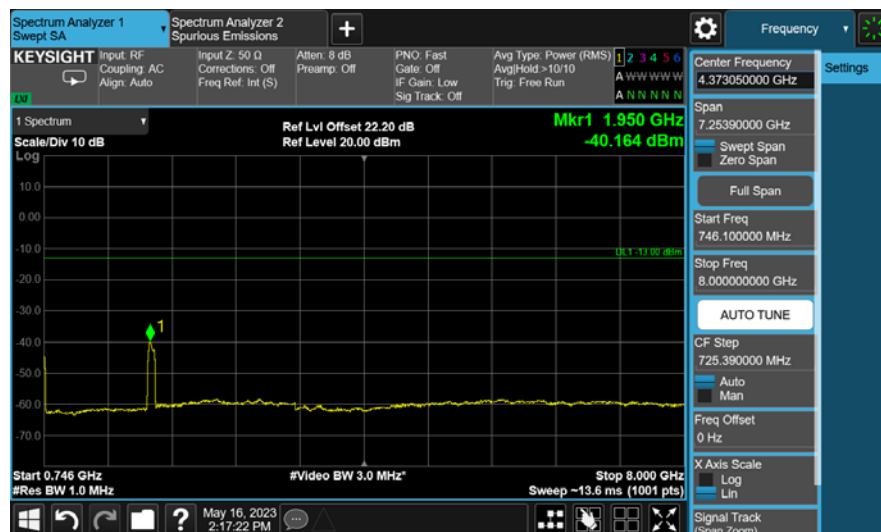
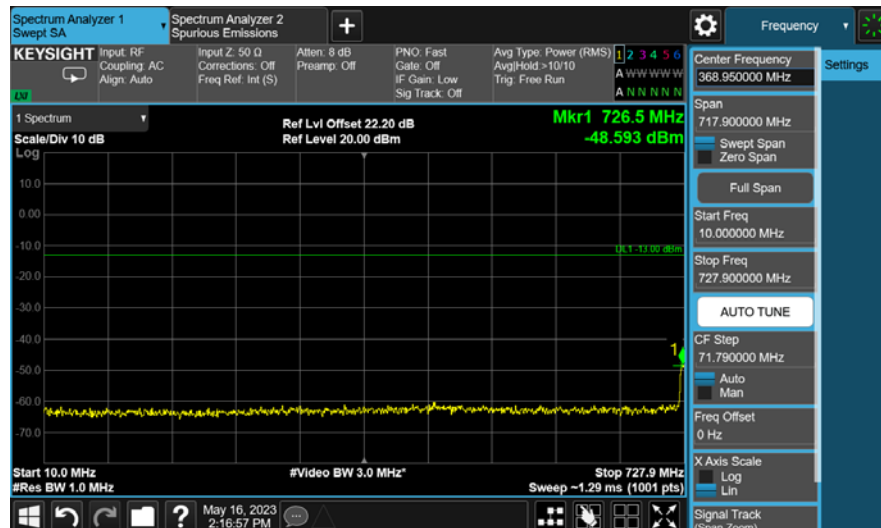
The limit = $\{P - [43 + 10 \log(P)]\}$ dBm = -13dBm.

The lowest RF signal generated in the EUT is greater than 10MHz, so the conducted spurious emissions test was started from 10MHz.



Conducted spurious emissions

DL_Lower 700MHz Band

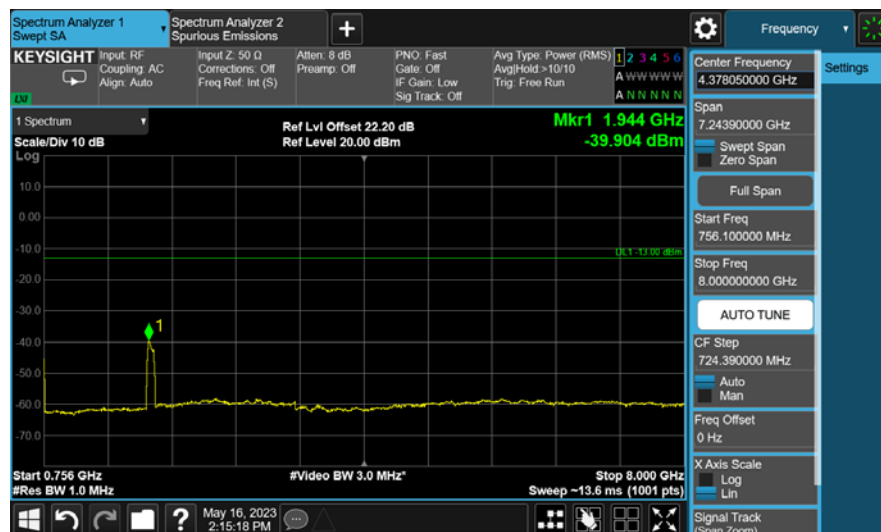
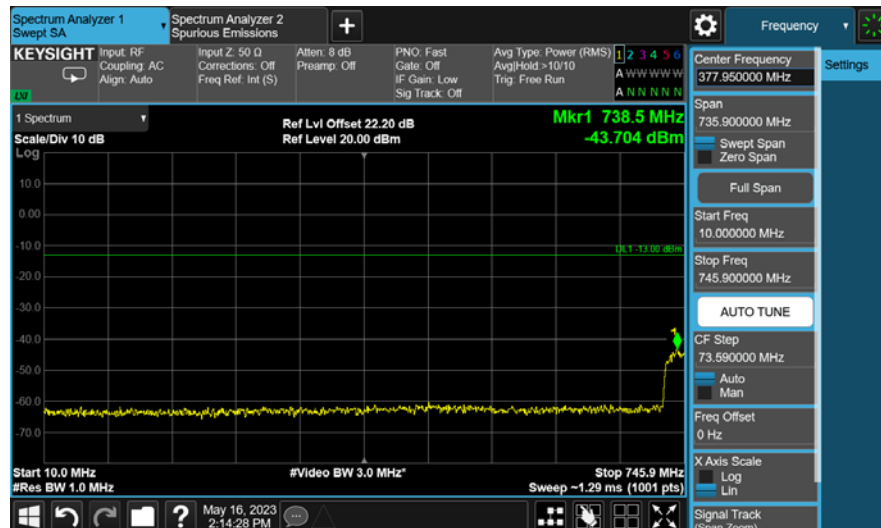


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Conducted spurious emissions

DL_Upper 700MHz Band

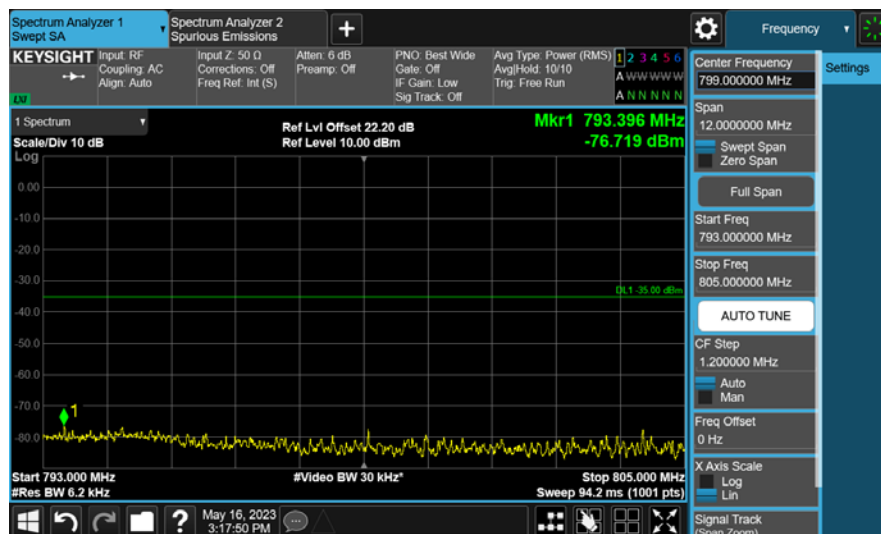
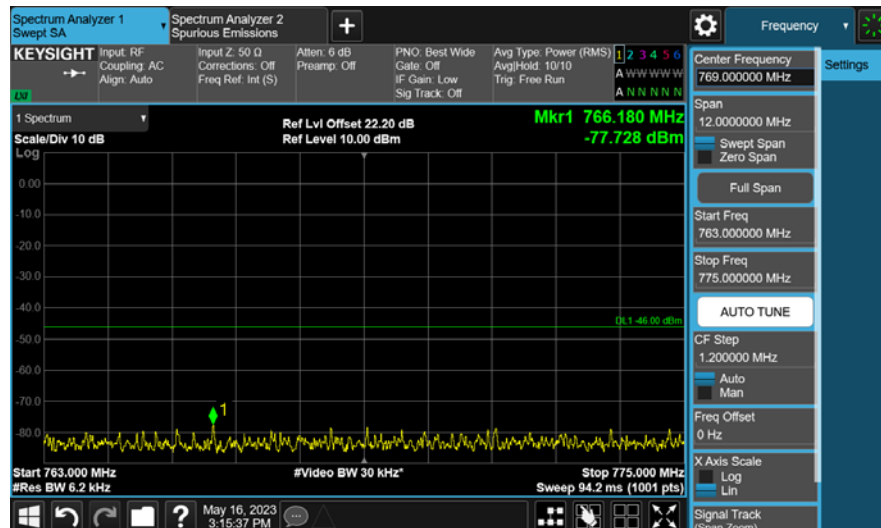


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Conducted spurious emissions

DL_Upper 700MHz Band

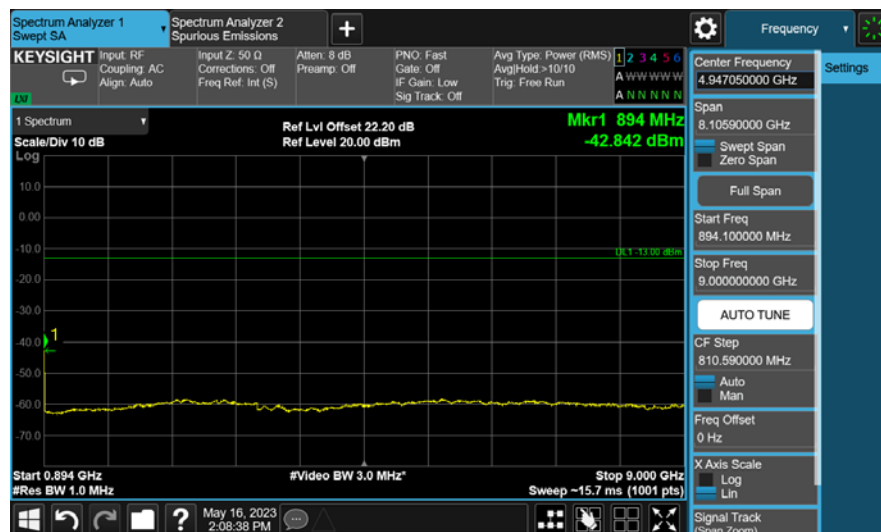
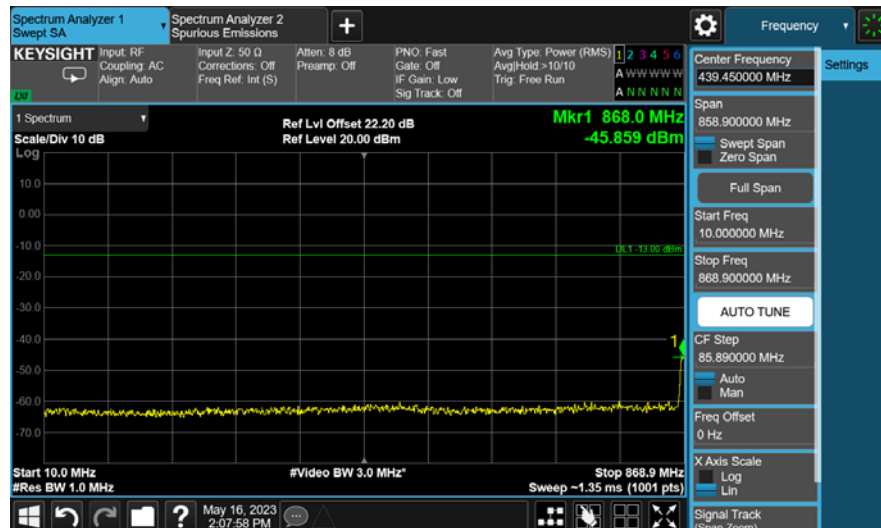


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Conducted spurious emissions

DL_Cellular Band

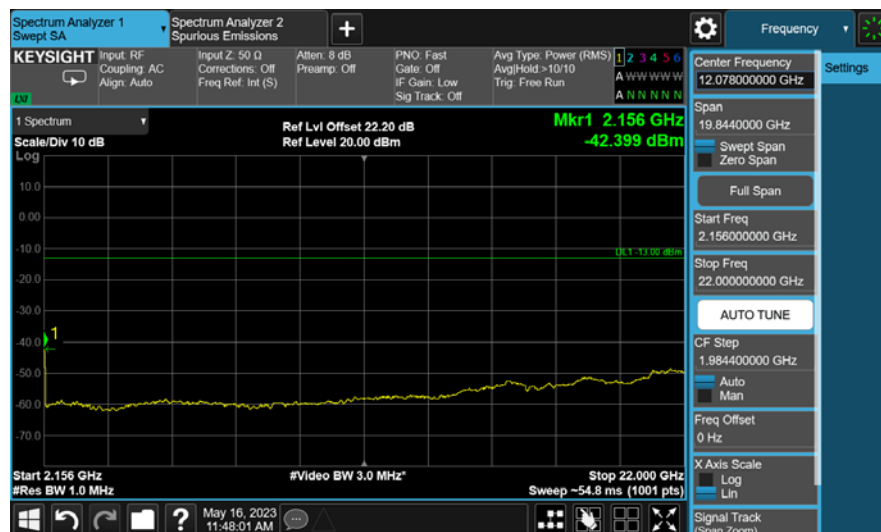
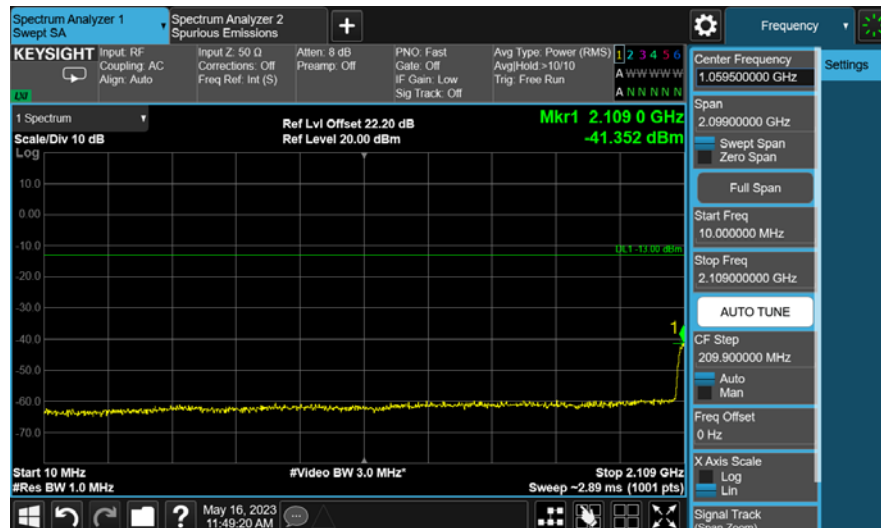


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Conducted spurious emissions

DL_AWS-1 Band

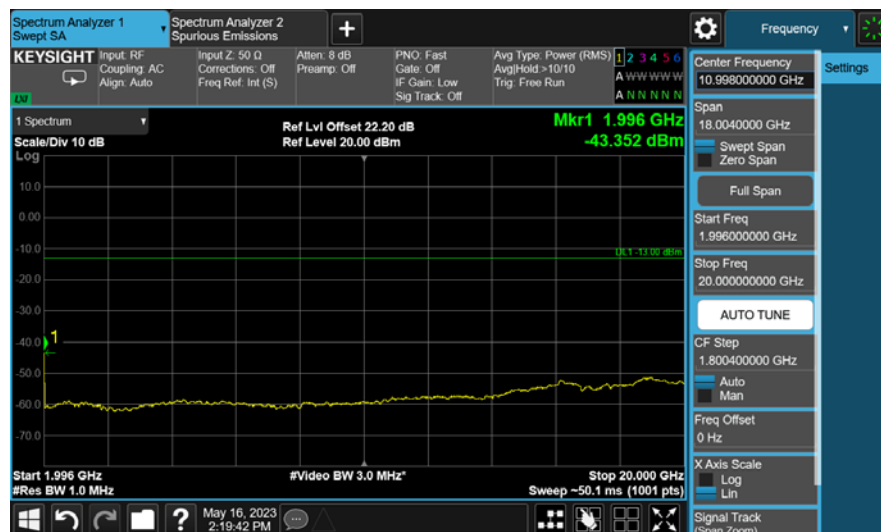
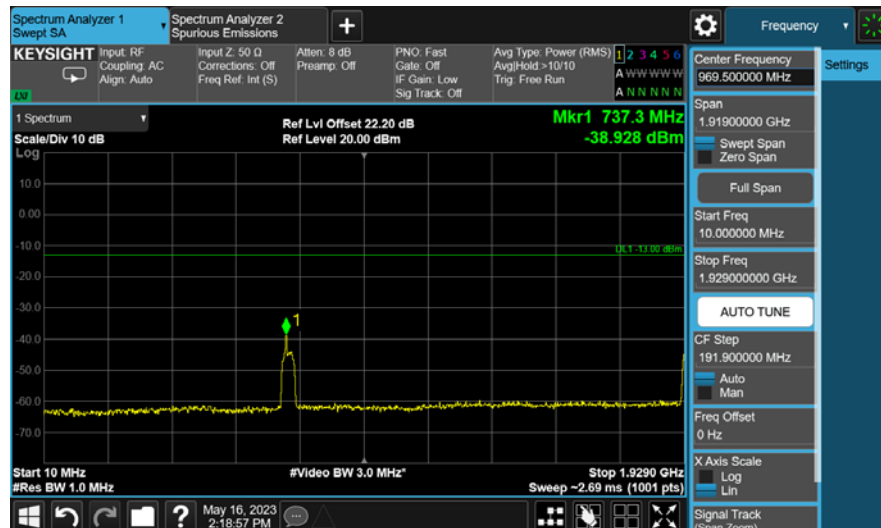


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Conducted spurious emissions

DL_Broadband PCS Band

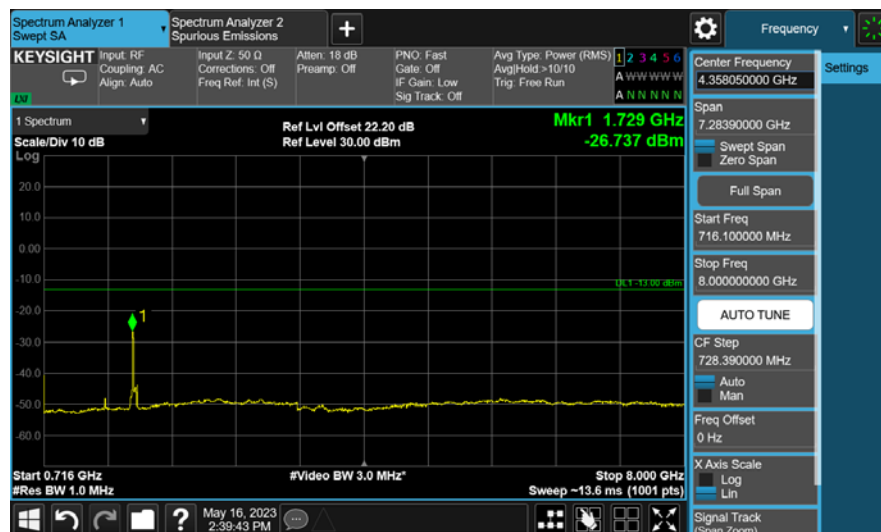
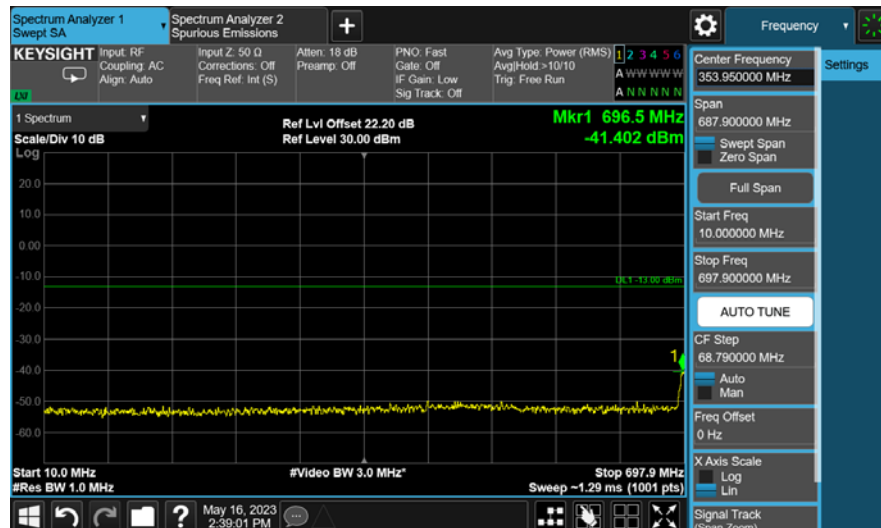


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Conducted spurious emissions

UL_Lower 700MHz Band



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