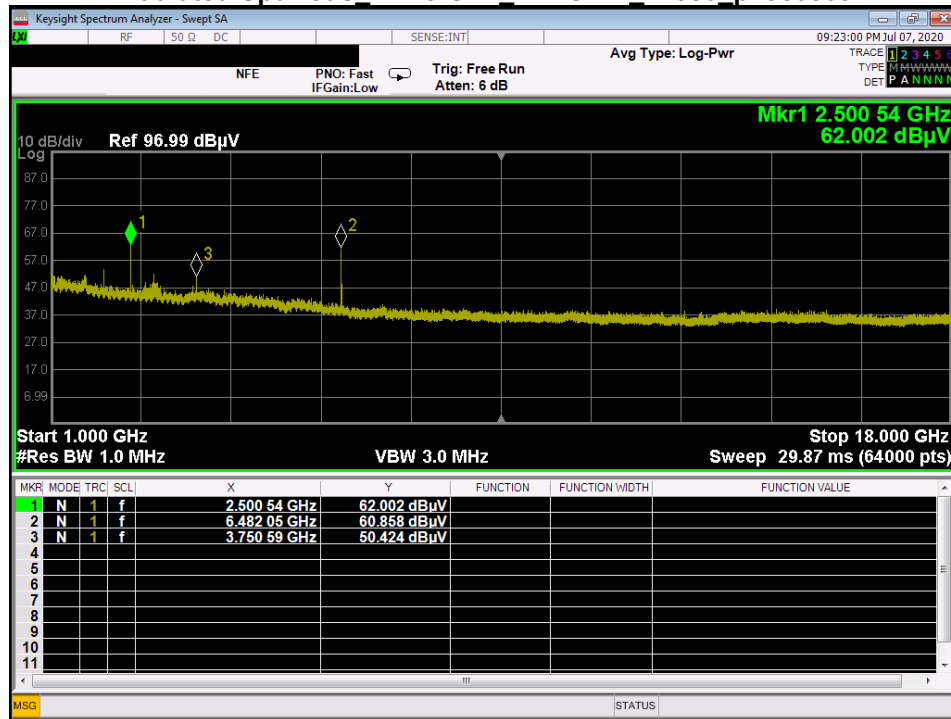




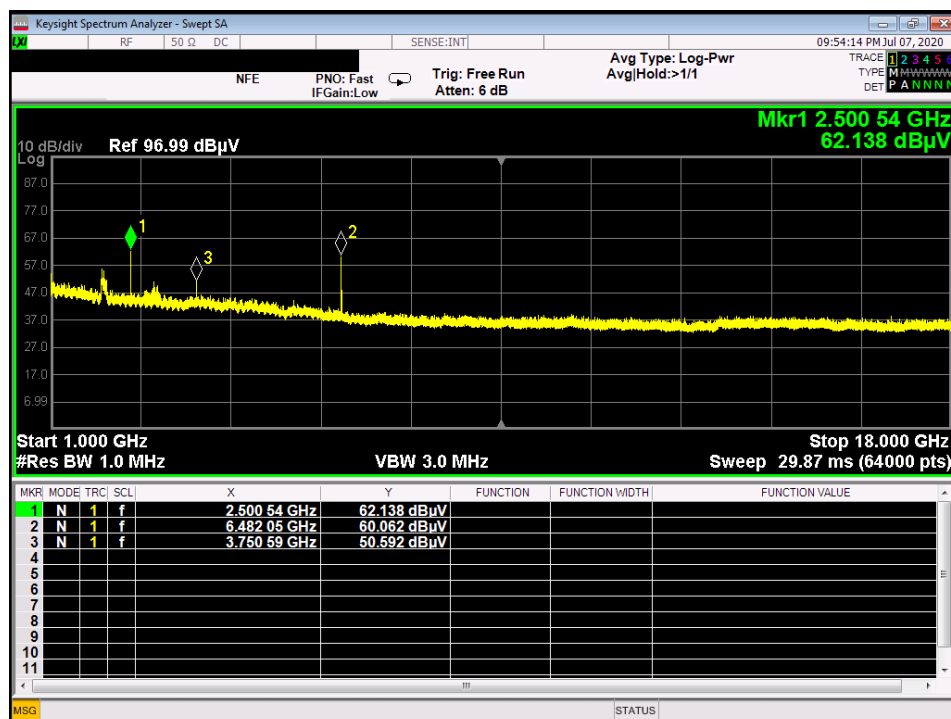
Annex F

Radiated Spurious Emission

Radiated Spurious_1 - 18 GHz_MIMO DL_27550_p19c0009

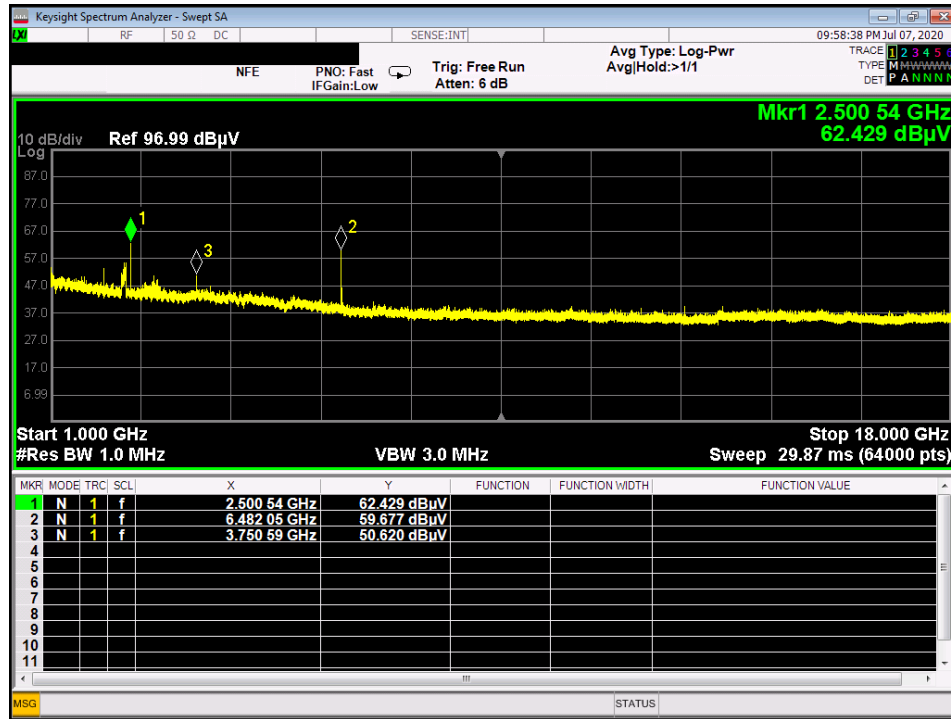


Radiated Spurious_1 - 18 GHz_MIMO DL_27925_p19c0009





Radiated Spurious_1 - 18 GHz_MIMO DL_28300_p19c0009



Radiated Spurious_1 - 18 GHz_MIMO UL_27550_p19c0009

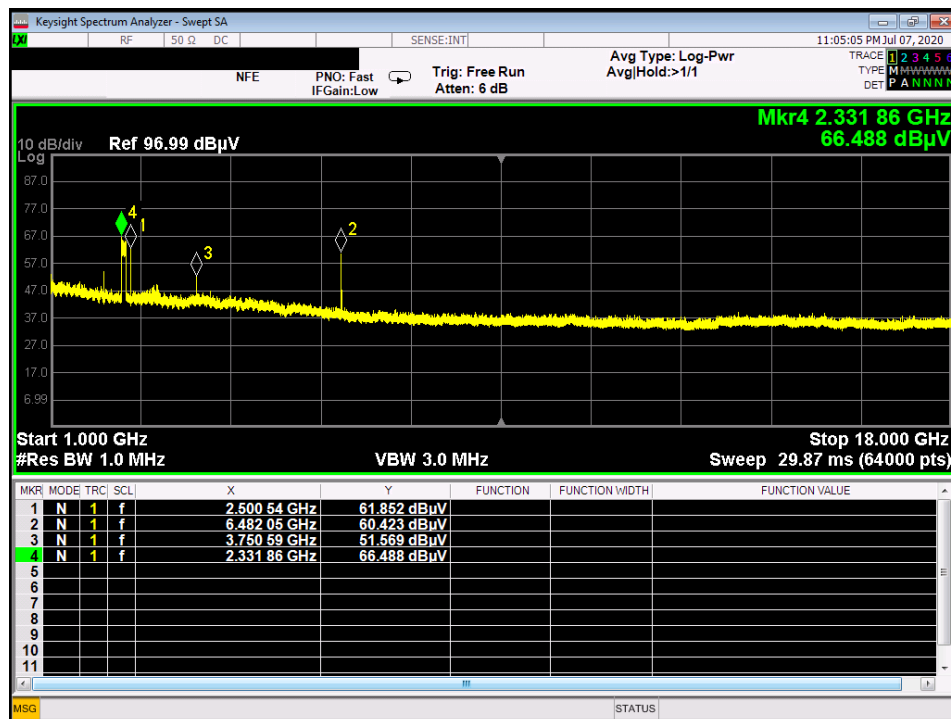




Radiated Spurious_1 - 18 GHz_MIMO UL_27925_p19c0009



Radiated Spurious_1 - 18 GHz_MIMO UL_28300_p19c0009





Radiated Spurious_1 - 18 GHz_SISO DL_27550_p19c0009

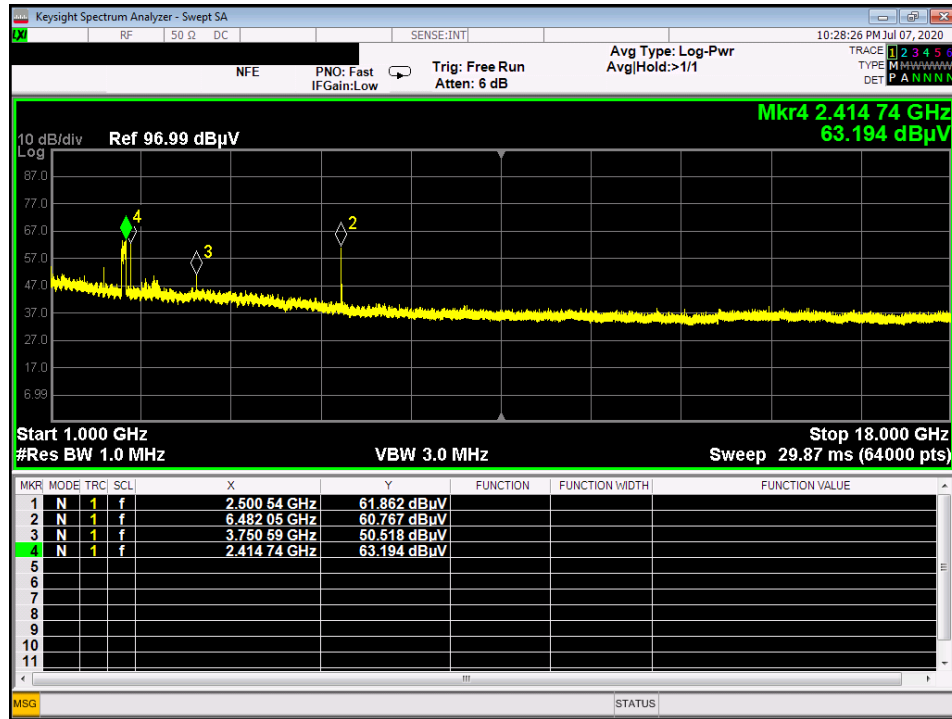


Radiated Spurious_1 - 18 GHz_SISO DL_27925_p19c0009

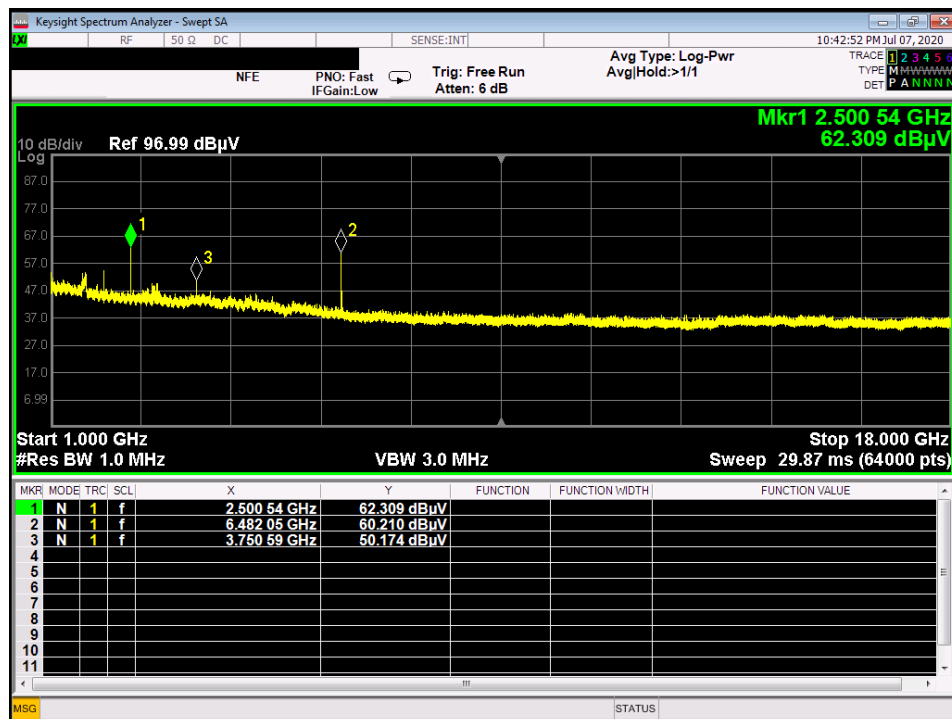




Radiated Spurious_1 - 18 GHz_SISO DL_28300_p19c0009



Radiated Spurious_1 - 18 GHz_SISO UL_27550_p19c0009





Radiated Spurious_1 - 18 GHz_SISO UL_27925_p19c0009

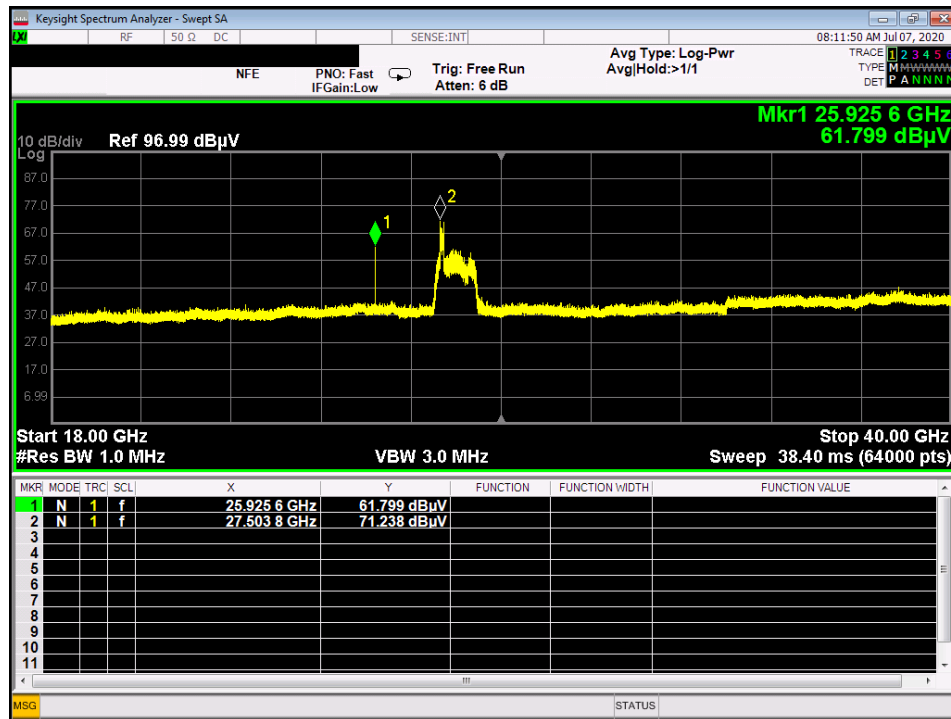


Radiated Spurious_1 - 18 GHz_SISO UL_28300_p19c0009

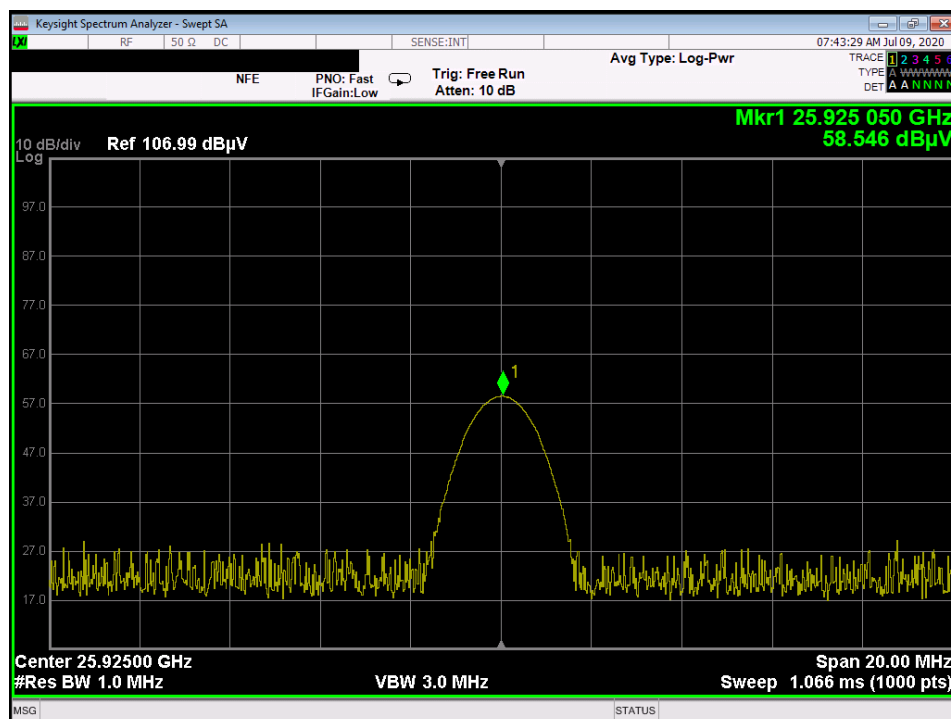




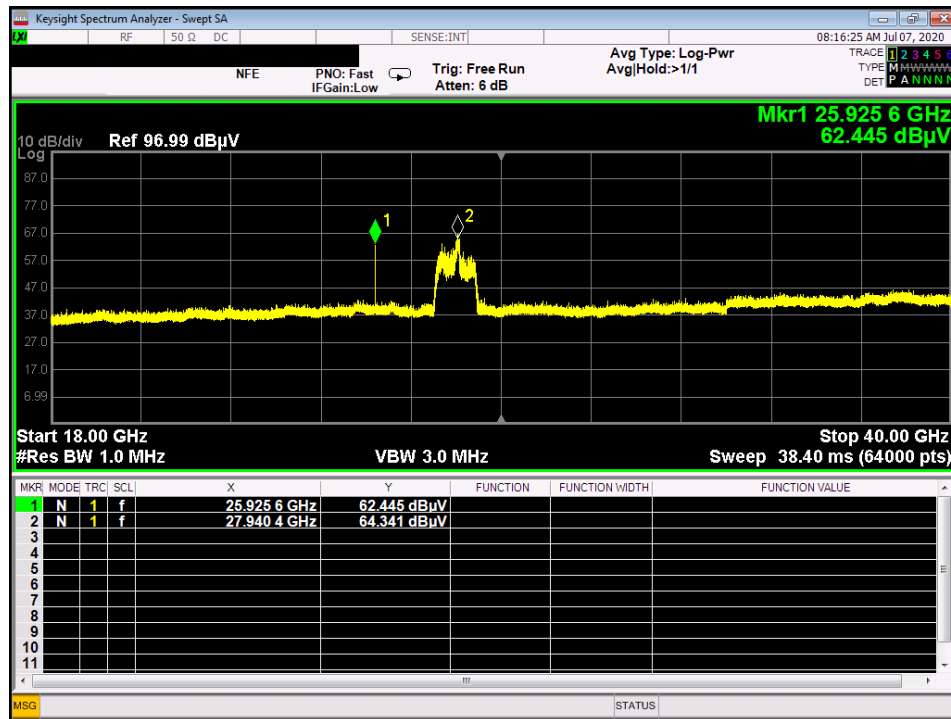
Radiated Spurious_18 - 40 GHz_MIMO DL_27550_p19c0009



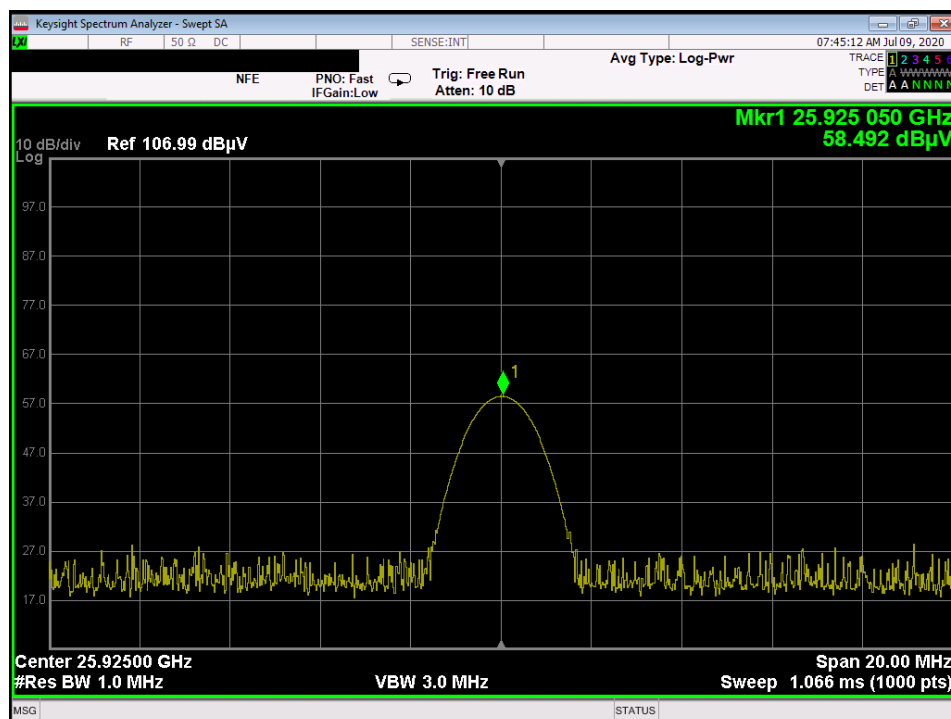
Radiated Spurious_18 - 40 GHz_MIMO DL_27550_p19c0009_avg detector



Radiated Spurious_18 - 40 GHz_MIMO DL_27925_p19c0009

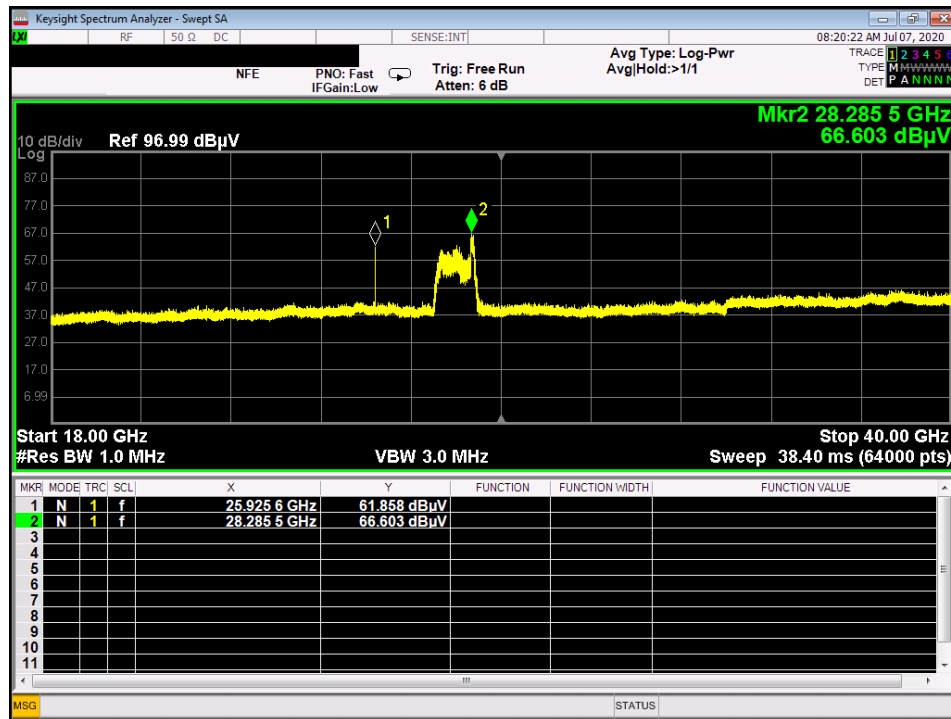


Radiated Spurious_18 - 40 GHz_MIMO DL_27925_p19c0009_avg detector

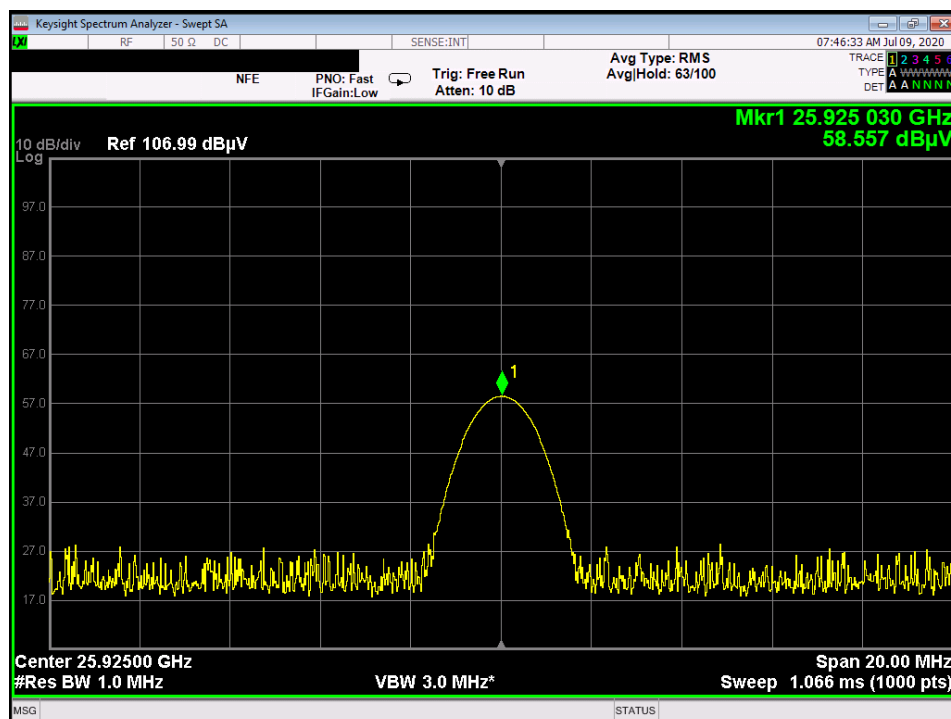




Radiated Spurious_18 - 40 GHz_MIMO DL_28300_p19c0009

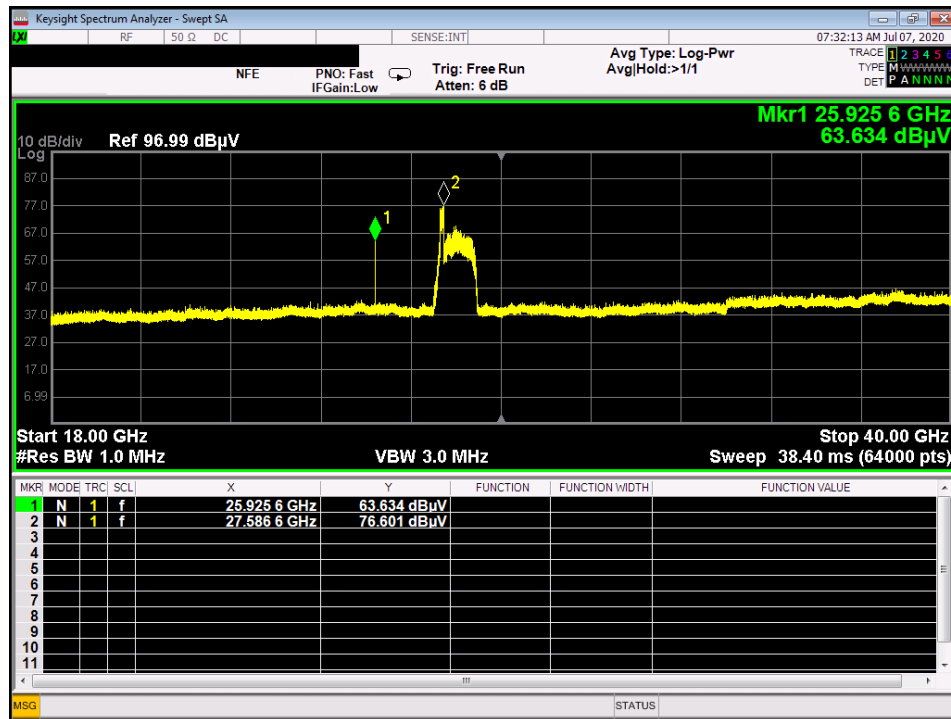


Radiated Spurious_18 - 40 GHz_MIMO DL_28300_p19c0009_avg detector

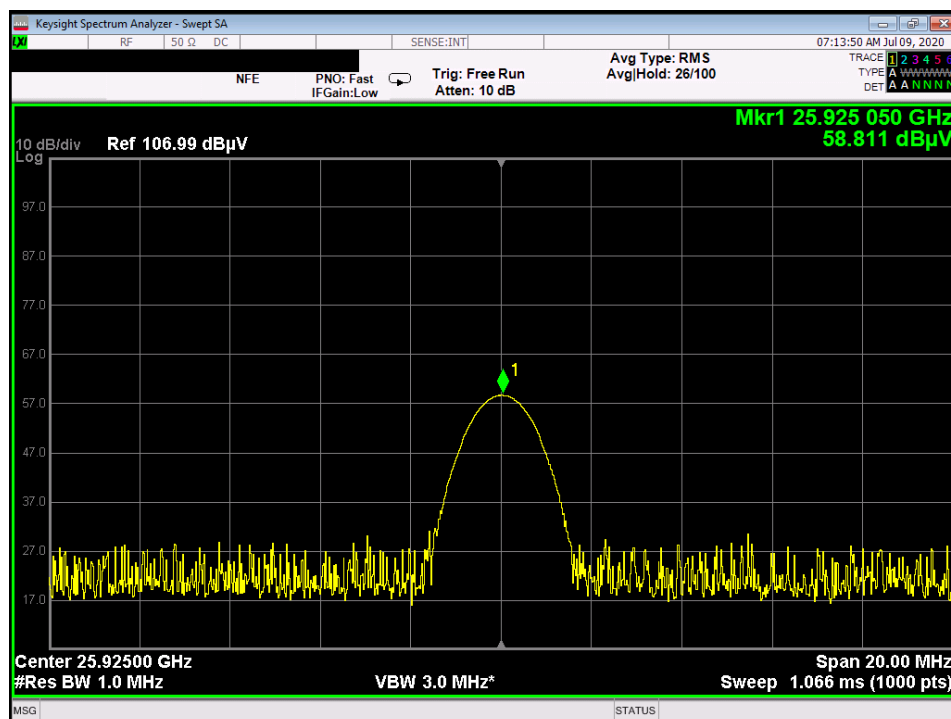




Radiated Spurious_18 - 40 GHz_MIMO UL_27550_p19c0009

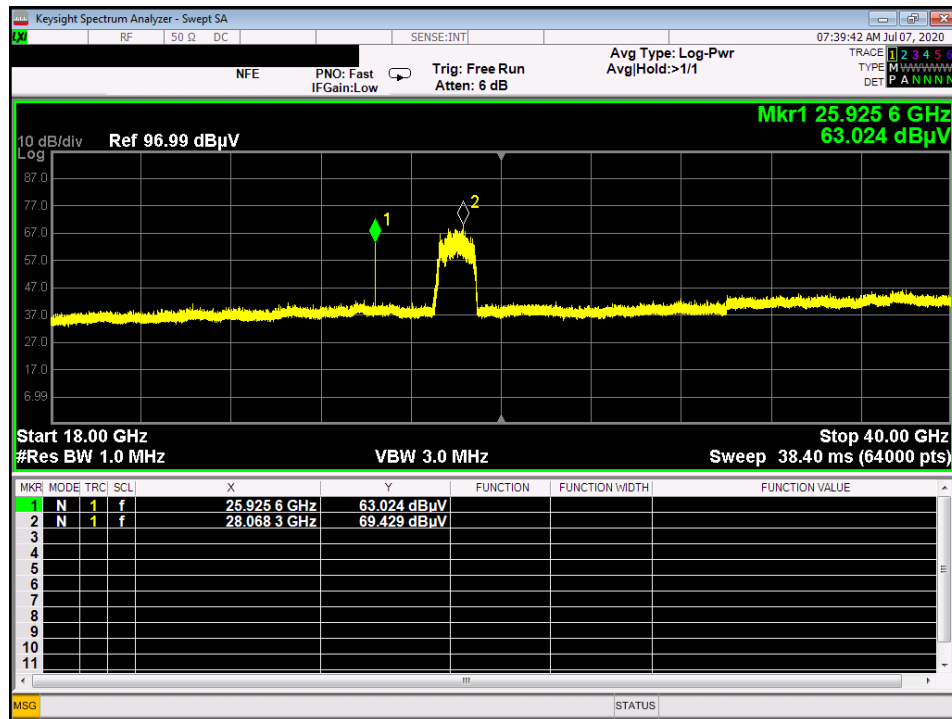


Radiated Spurious_18 - 40 GHz_MIMO UL_27550_p19c0009_avg detector

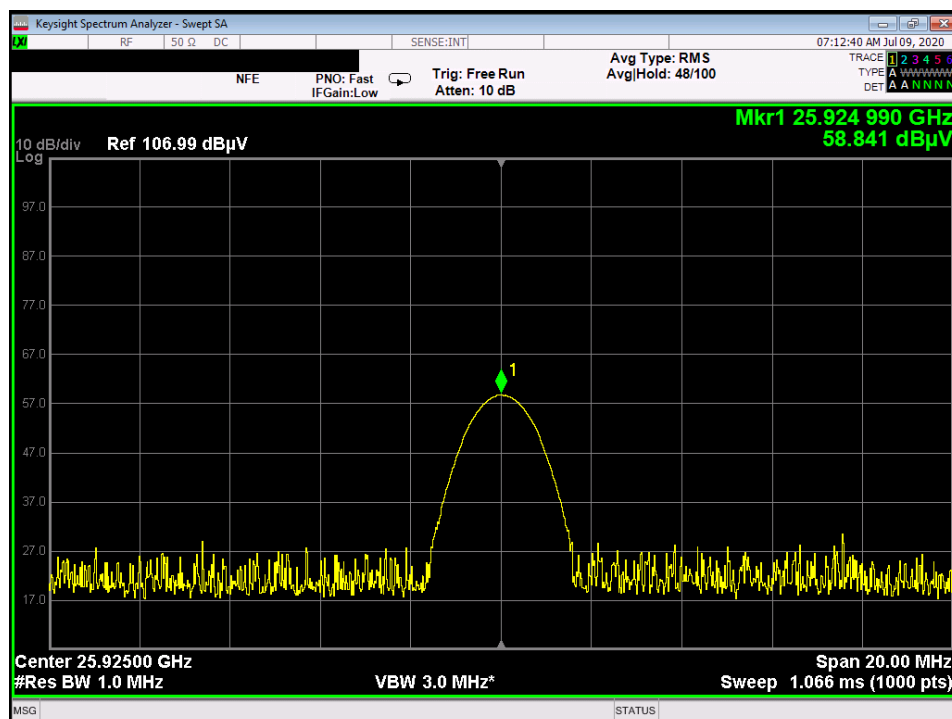




Radiated Spurious_18 - 40 GHz_MIMO UL_27925_p19c0009

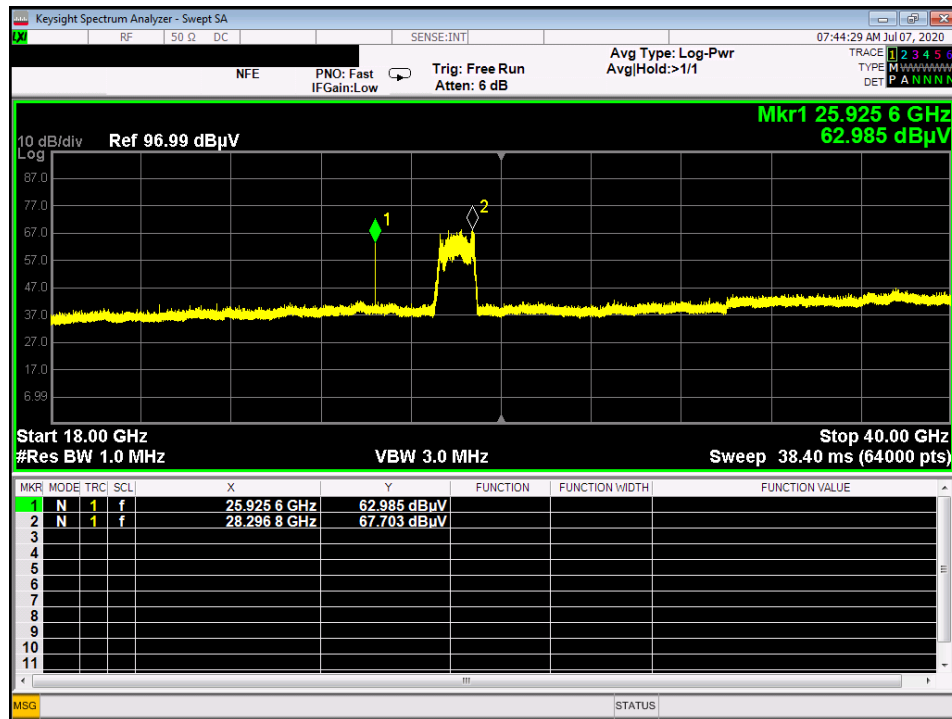


Radiated Spurious_18 - 40 GHz_MIMO UL_27925_p19c0009_avg detector

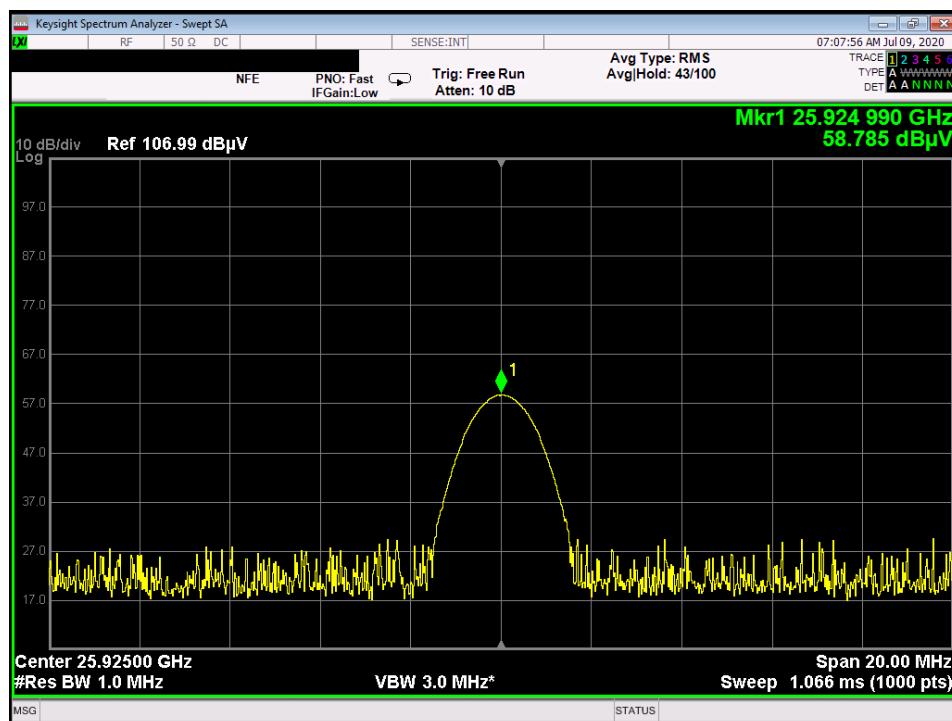




Radiated Spurious_18 - 40 GHz_MIMO UL_28300_p19c0009

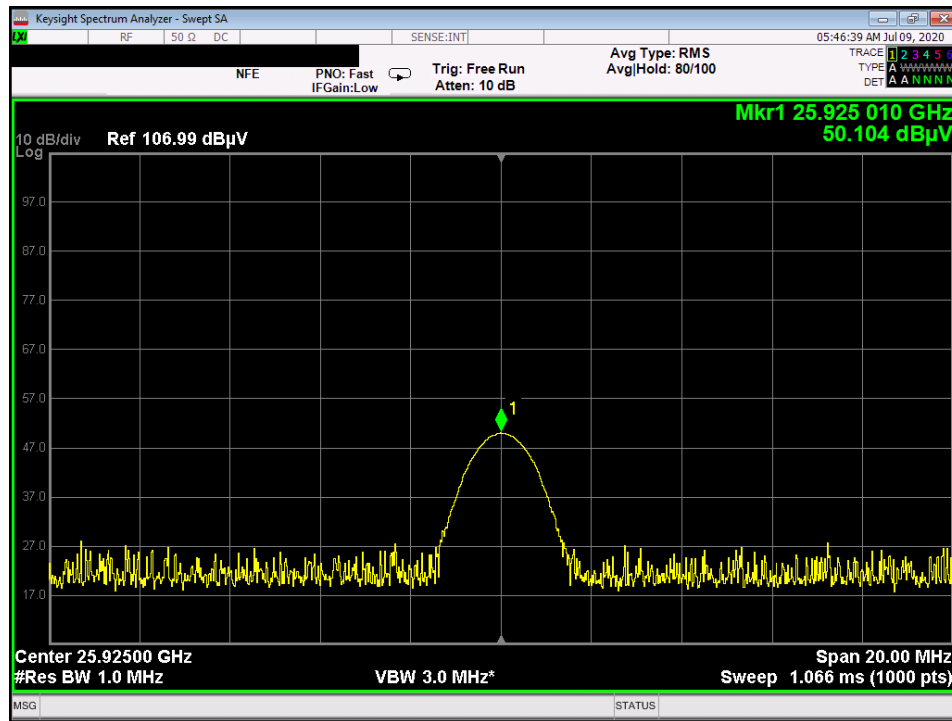


Radiated Spurious_18 - 40 GHz_MIMO UL_28300_p19c0009_avg detector

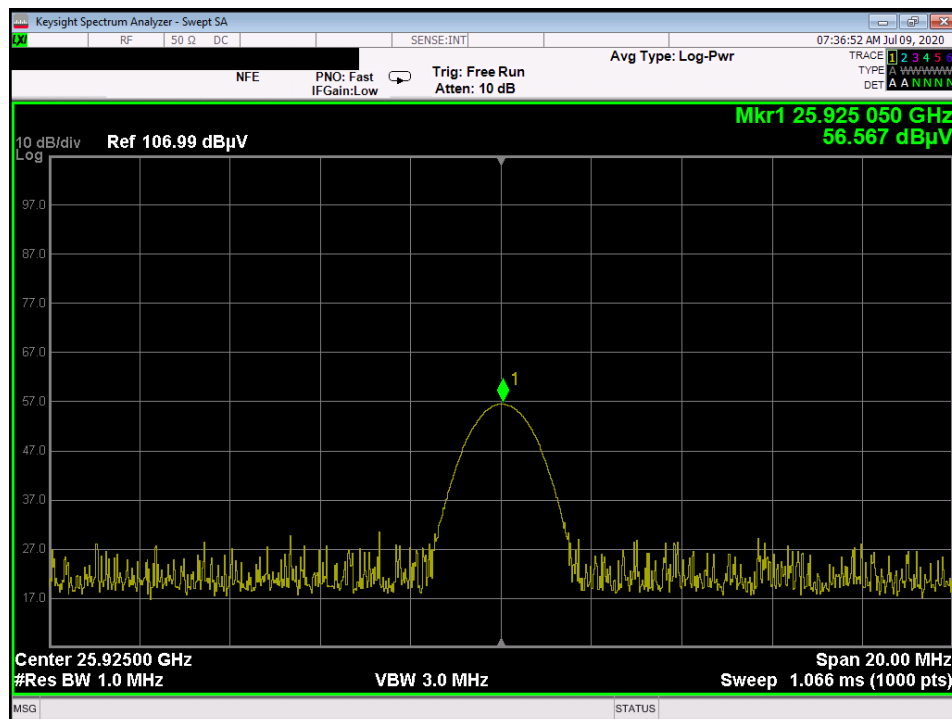




Radiated Spurious_18 - 40 GHz_SISO DL_27550_p19c0009

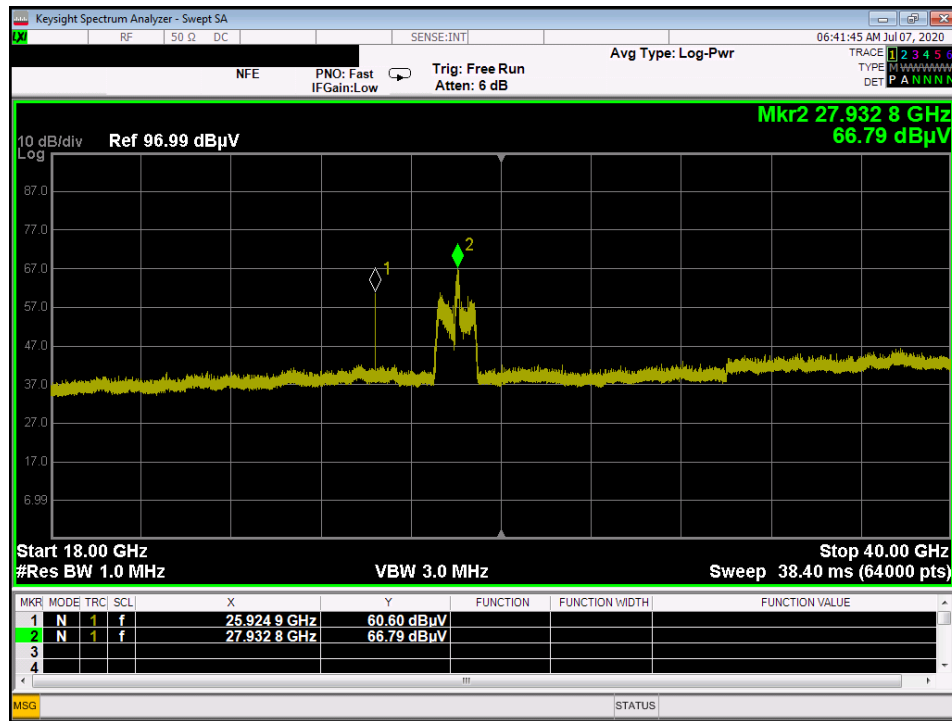


Radiated Spurious_18 - 40 GHz_SISO DL_27550_p19c0009_avg detector

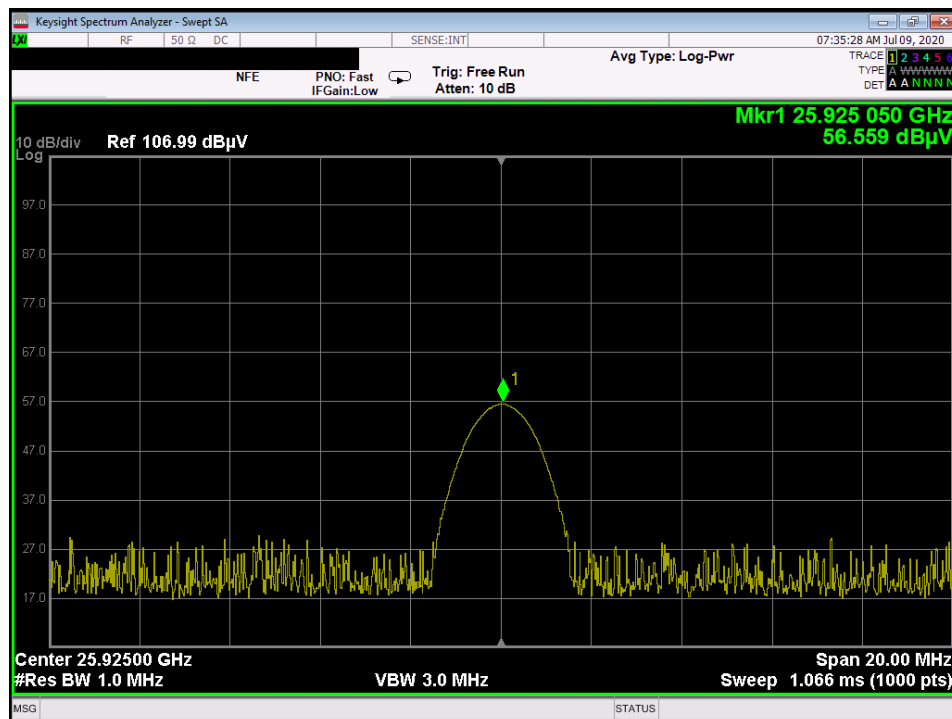




Radiated Spurious_18 - 40 GHz_SISO DL_27925_p19c0009

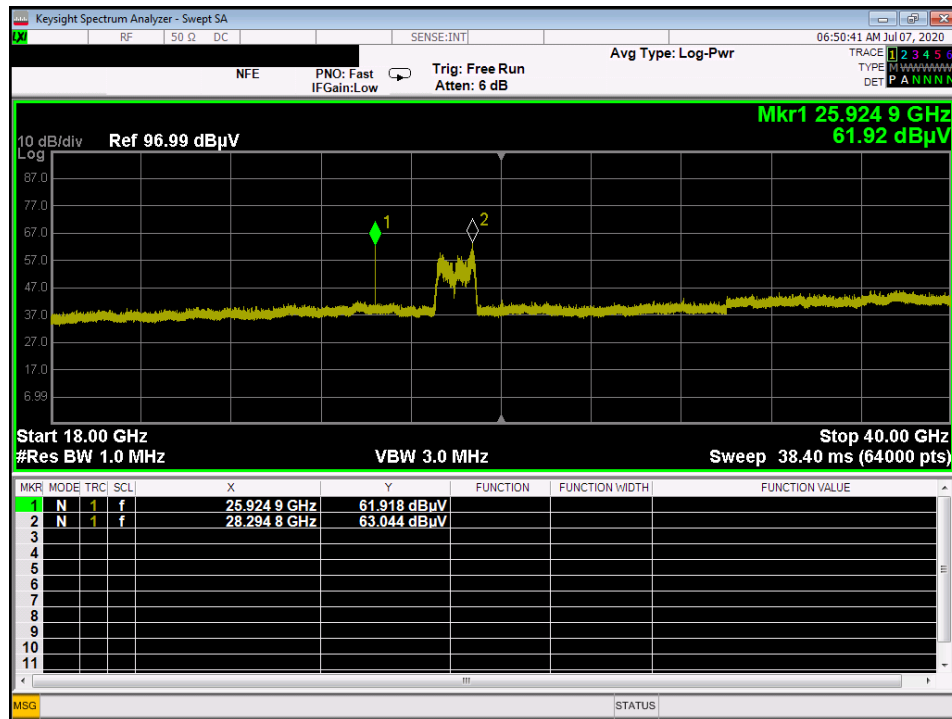


Radiated Spurious_18 - 40 GHz_SISO DL_27925_p19c0009_avg detector

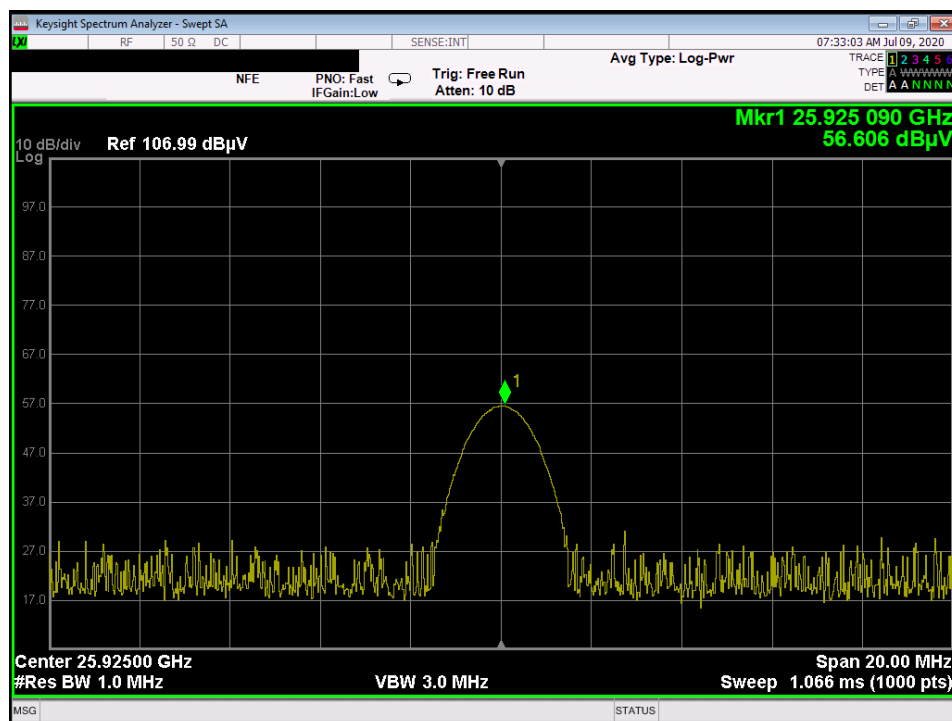




Radiated Spurious_18 - 40 GHz_SISO DL_28300_p19c0009

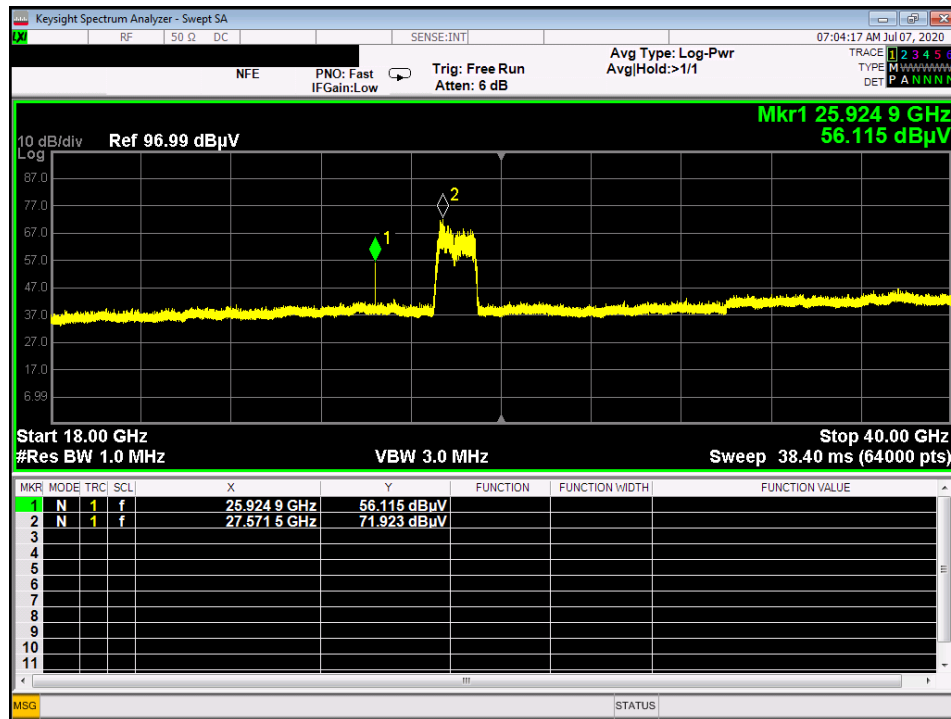


Radiated Spurious_18 - 40 GHz_SISO DL_28300_p19c0009_avg detector

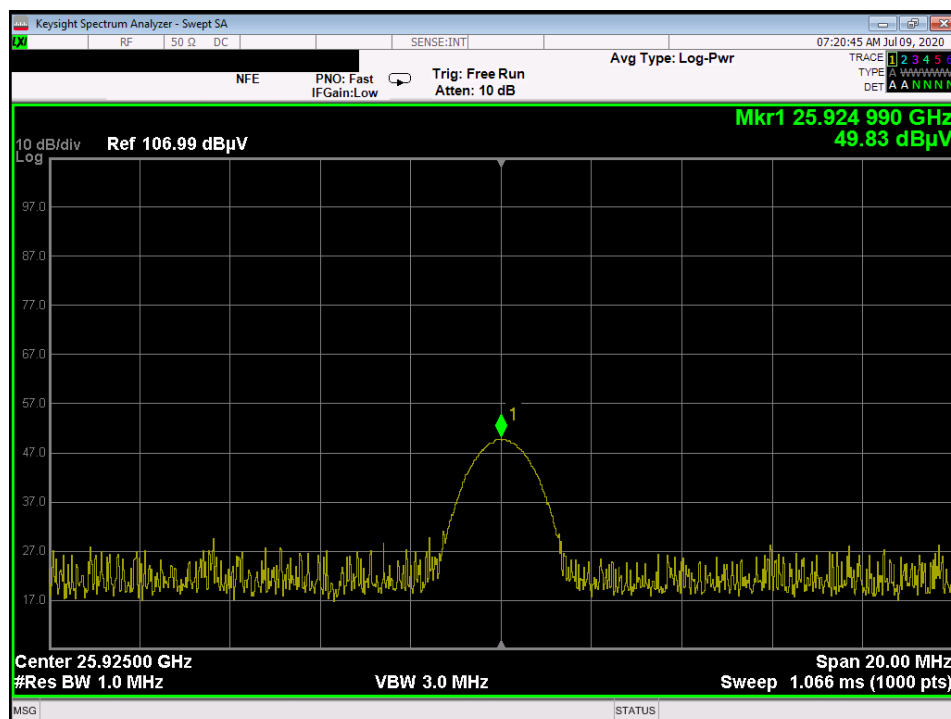




Radiated Spurious_18 - 40 GHz_SISO UL_27550_p19c0009

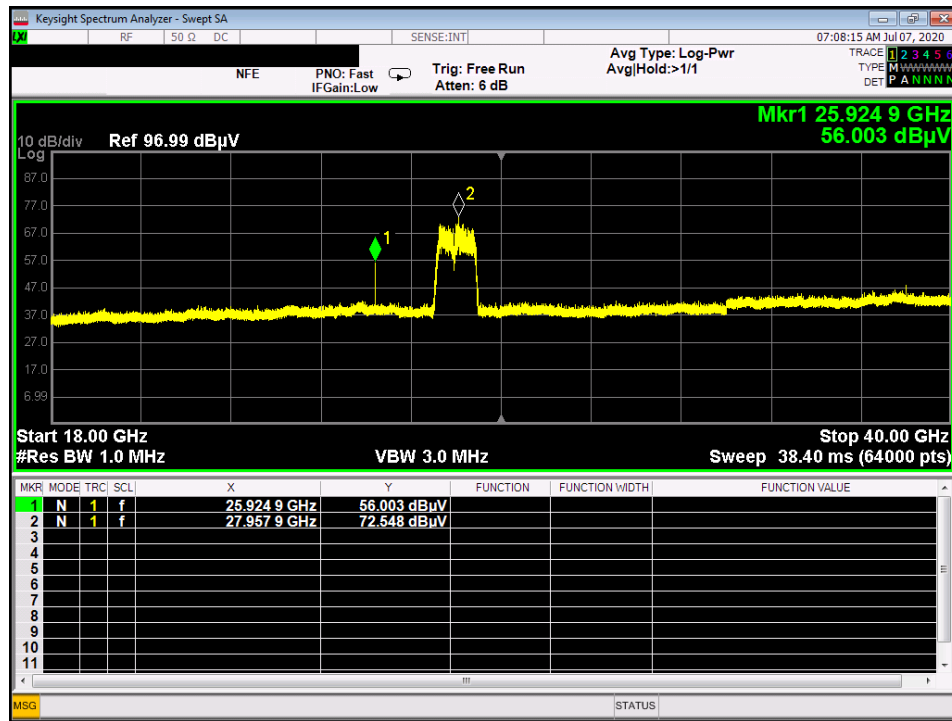


Radiated Spurious_18 - 40 GHz_SISO UL_27550_p19c0009_avg detector

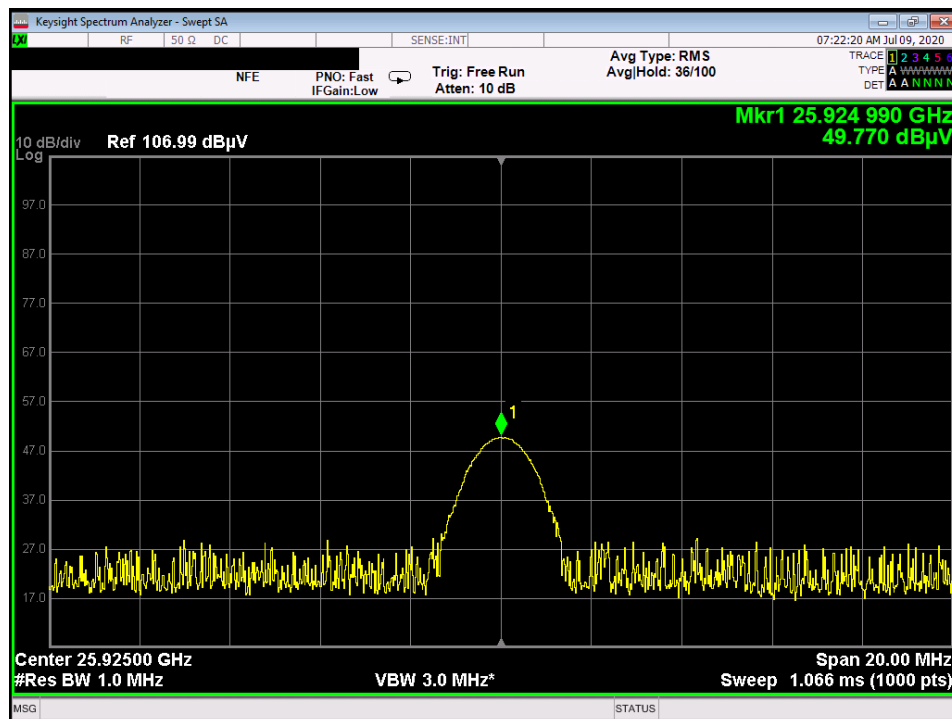




Radiated Spurious_18 - 40 GHz_SISO UL_27925_p19c0009

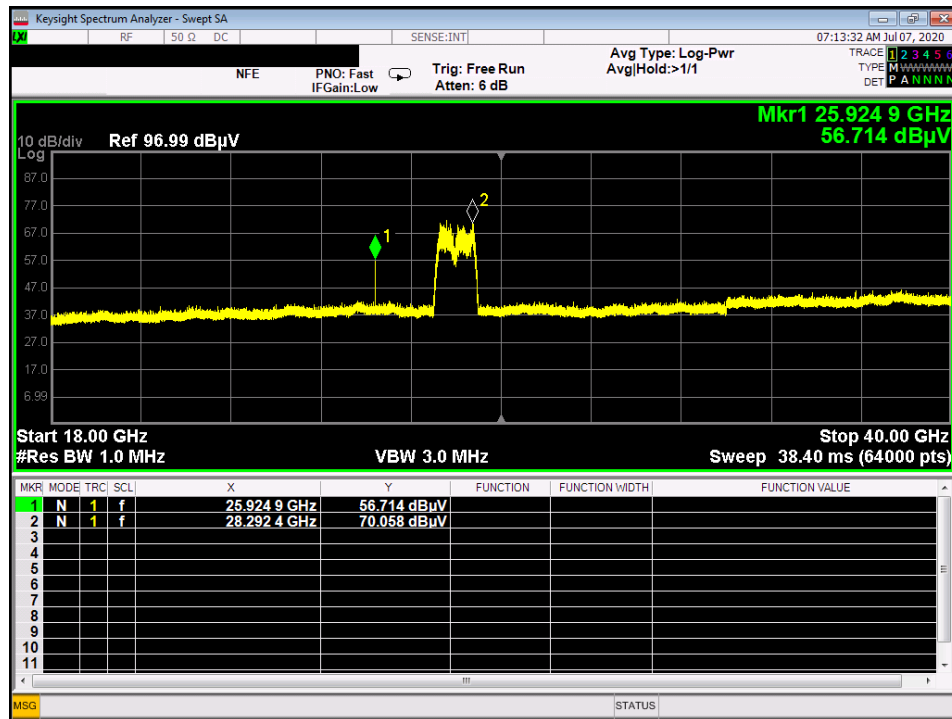


Radiated Spurious_18 - 40 GHz_SISO UL_27925_p19c0009_avg detector

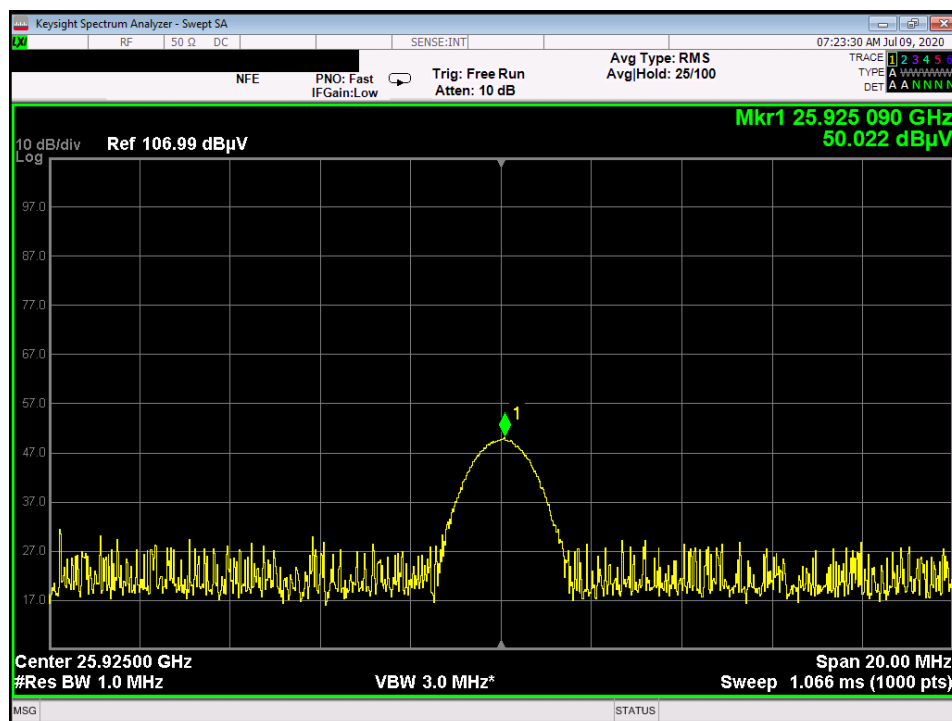




Radiated Spurious_18 - 40 GHz_SISO UL_28300_p19c0009

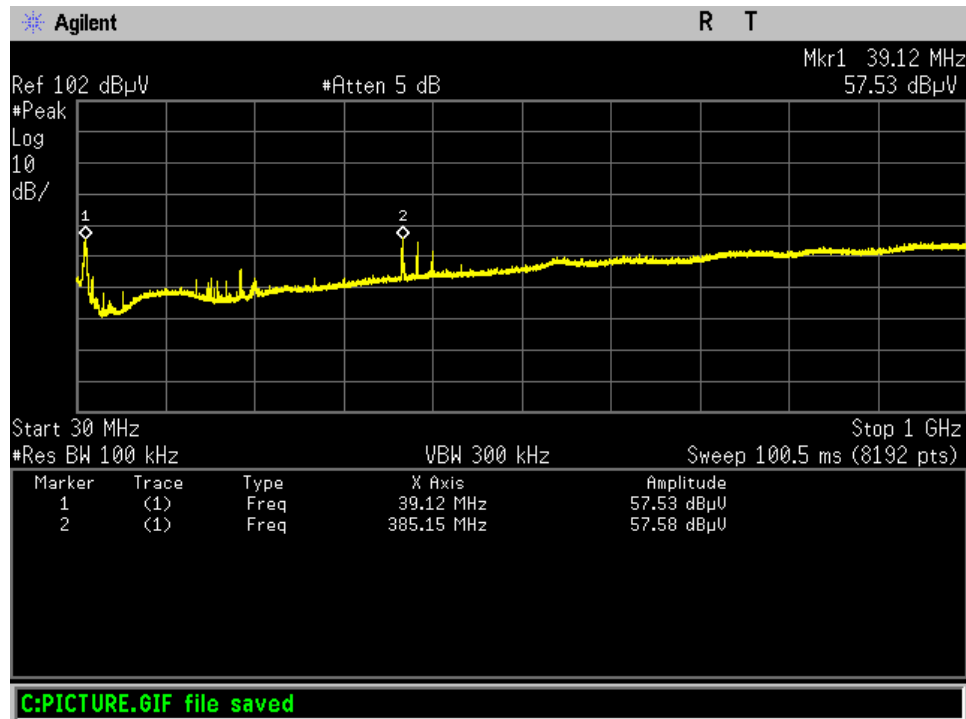


Radiated Spurious_18 - 40 GHz_SISO UL_28300_p19c0009_avg detector

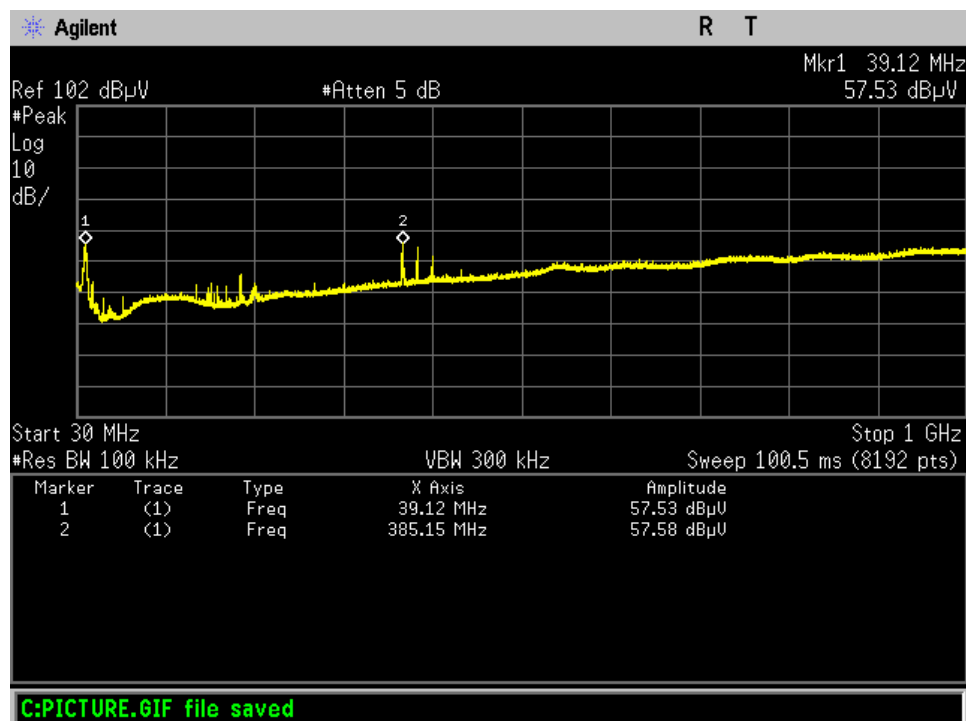




Radiated Spurious_30 - 1000 MHz_MIMO DL_27550 MHz_p19c0009

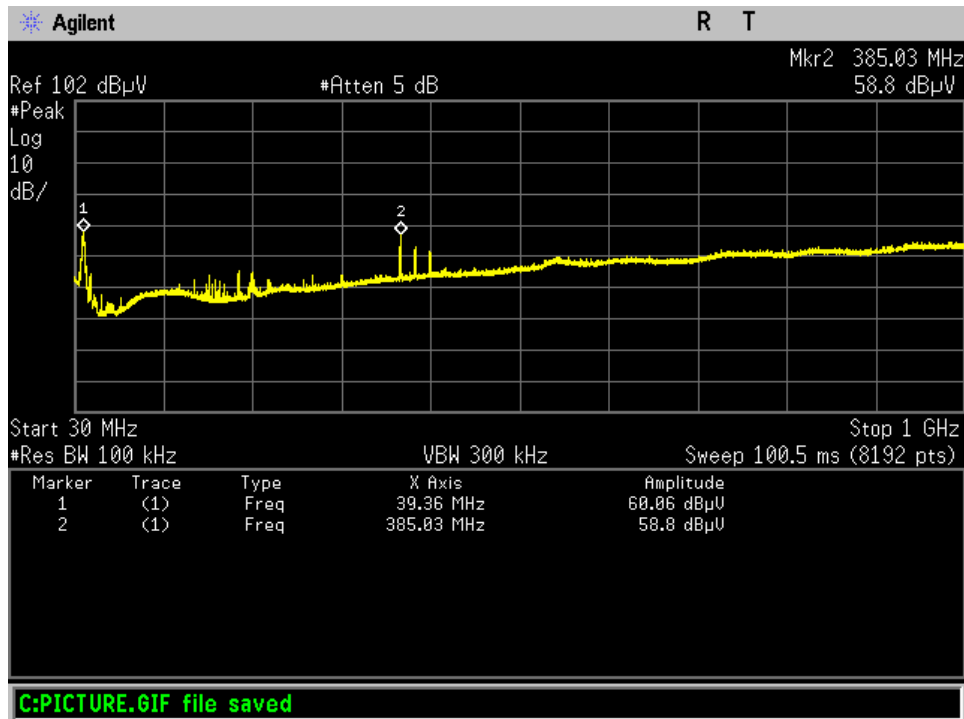


Radiated Spurious_30 - 1000 MHz_MIMO DL_27925 MHz_p19c0009

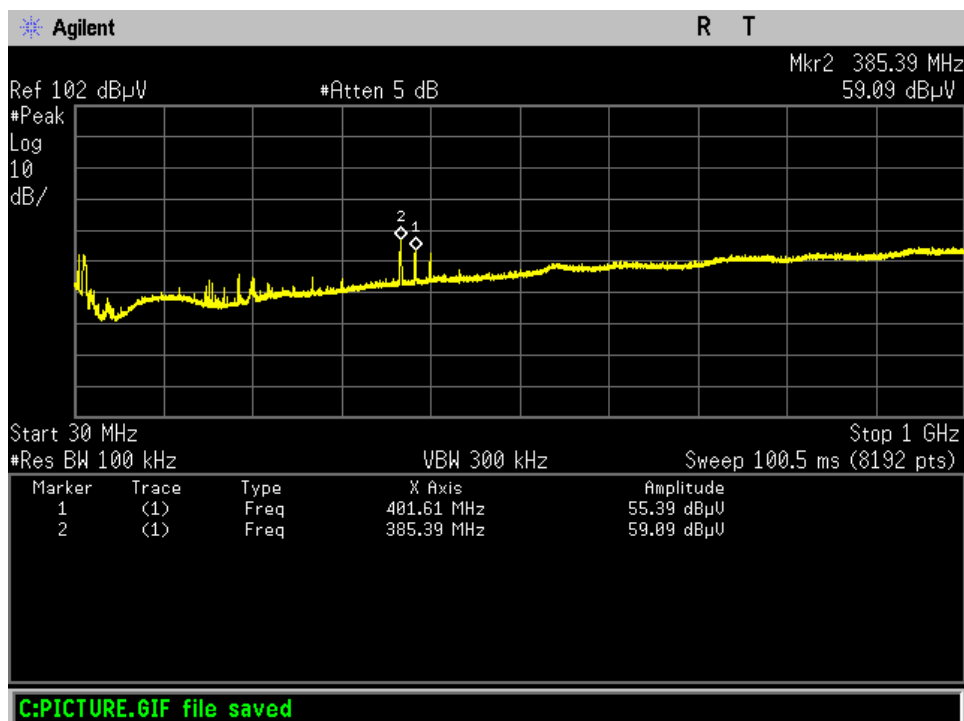




Radiated Spurious_30 - 1000 MHz_MIMO DL_28300 MHz_p19c0009

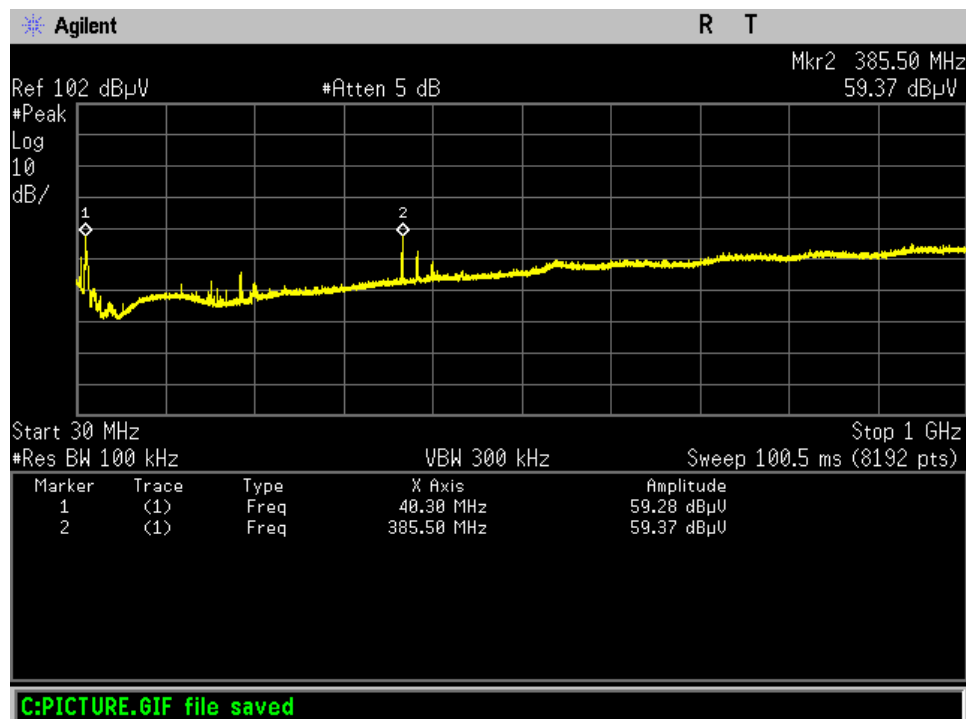


Radiated Spurious_30 - 1000 MHz_MIMO UL_27550 MHz_p19c0009

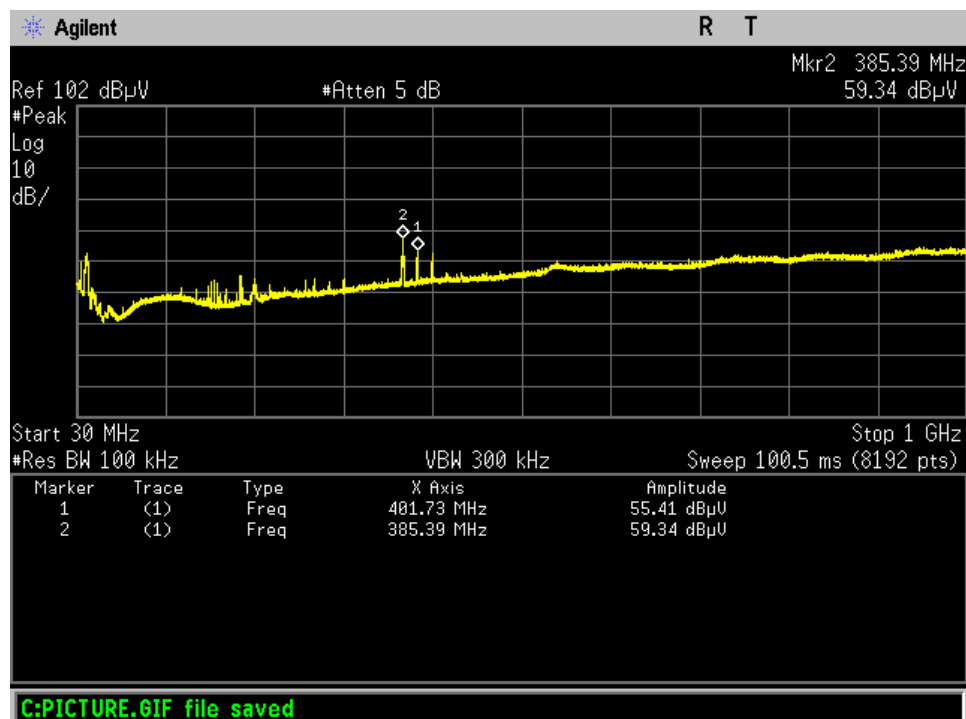




Radiated Spurious_30 - 1000 MHz_MIMO UL_27925 MHz_p19c0009

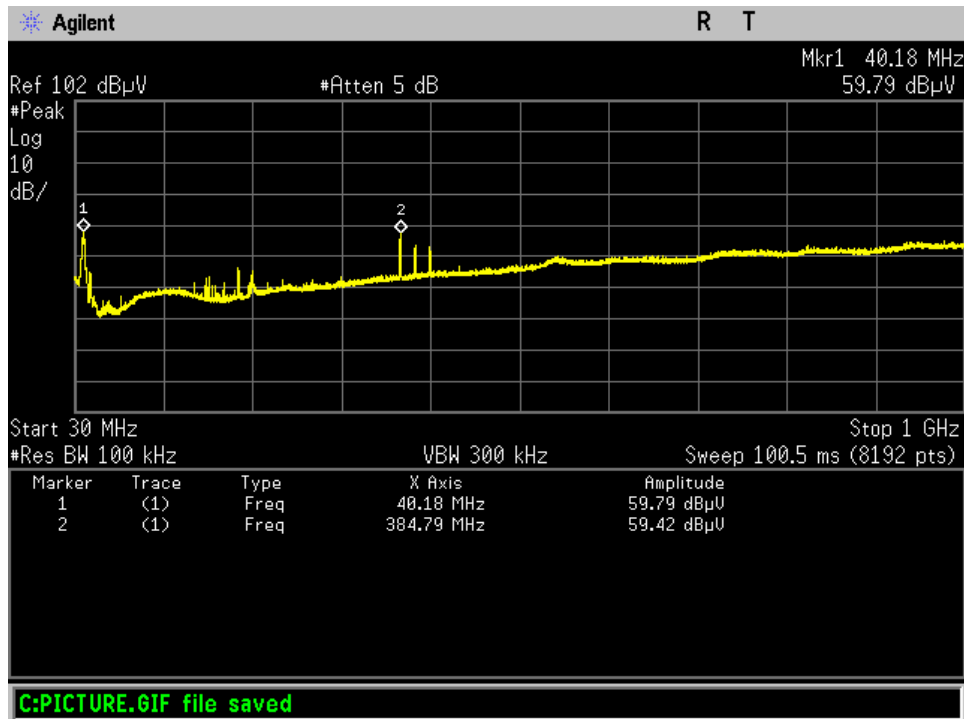


Radiated Spurious_30 - 1000 MHz_MIMO UL_28300 MHz_p19c0009

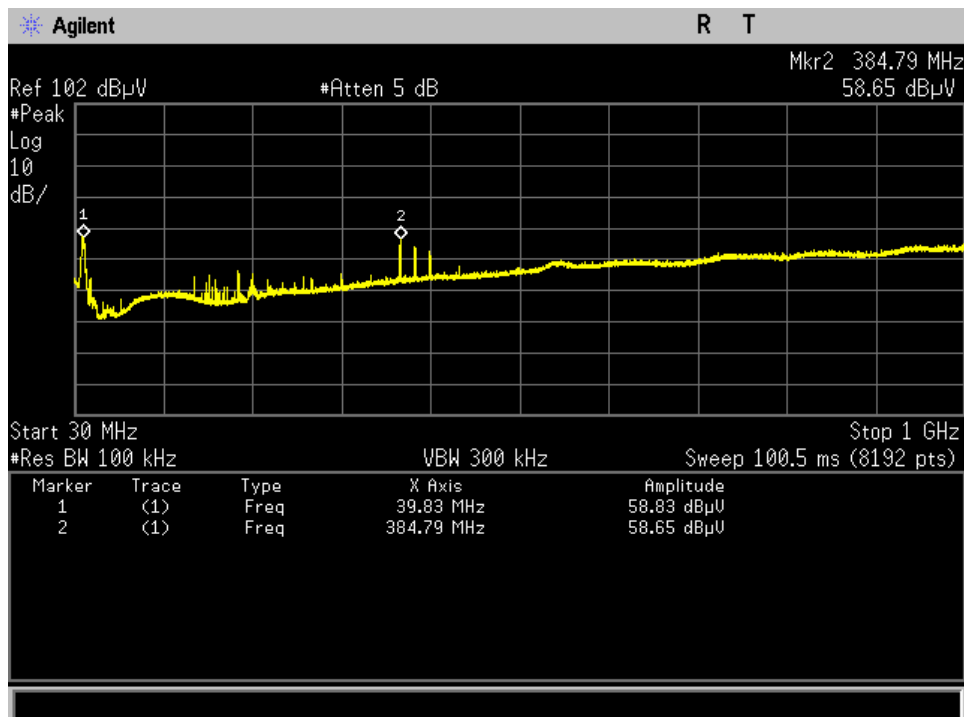




Radiated Spurious_30 - 1000 MHz_SISO DL_27550 MHz_p19c0009

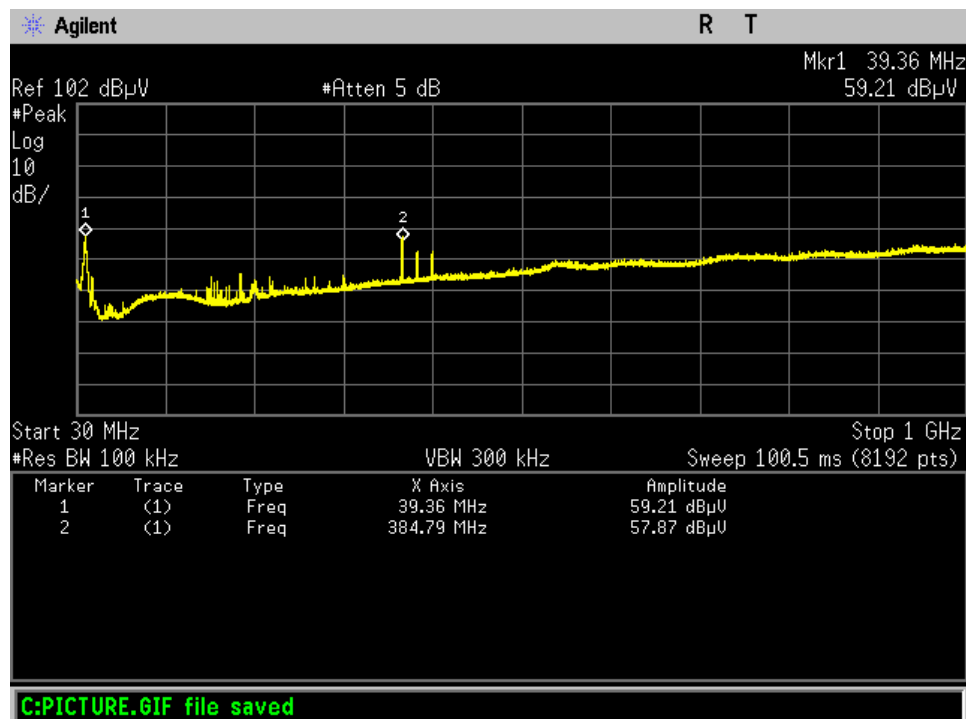


Radiated Spurious_30 - 1000 MHz_SISO DL_27925 MHz_p19c0009

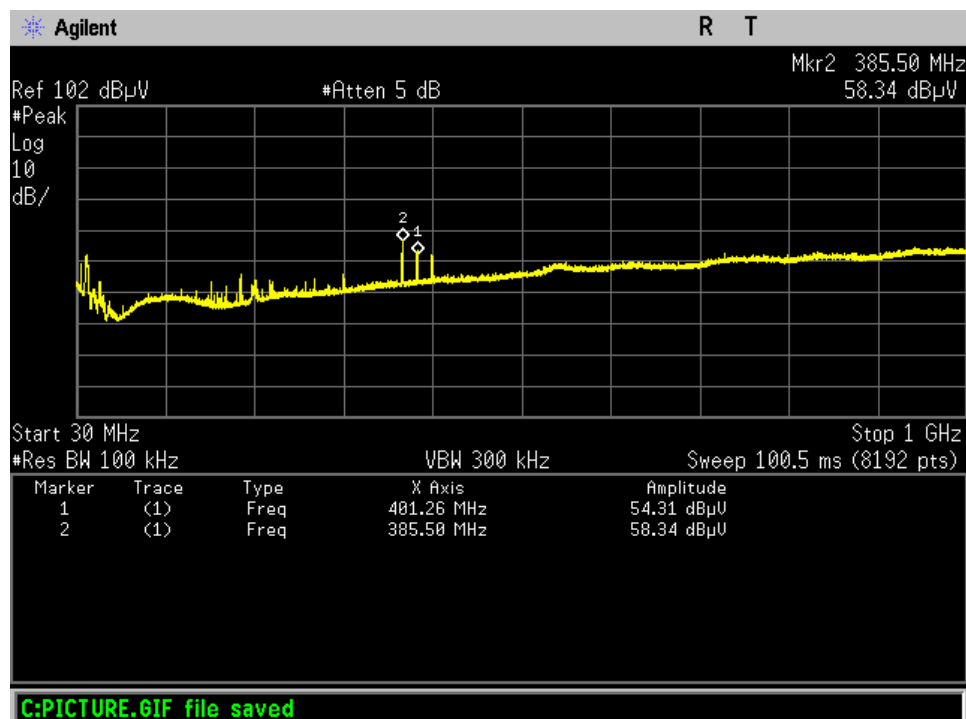




Radiated Spurious_30 - 1000 MHz_SISO DL_28300 MHz_p19c0009

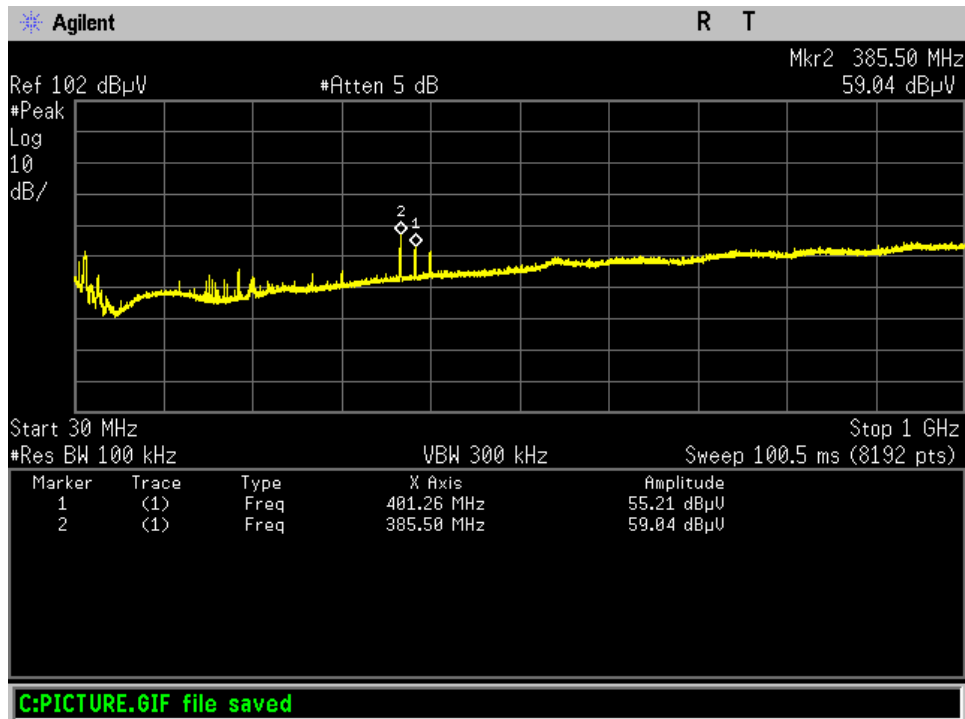


Radiated Spurious_30 - 1000 MHz_SISO UL_27550 MHz_p19c0009

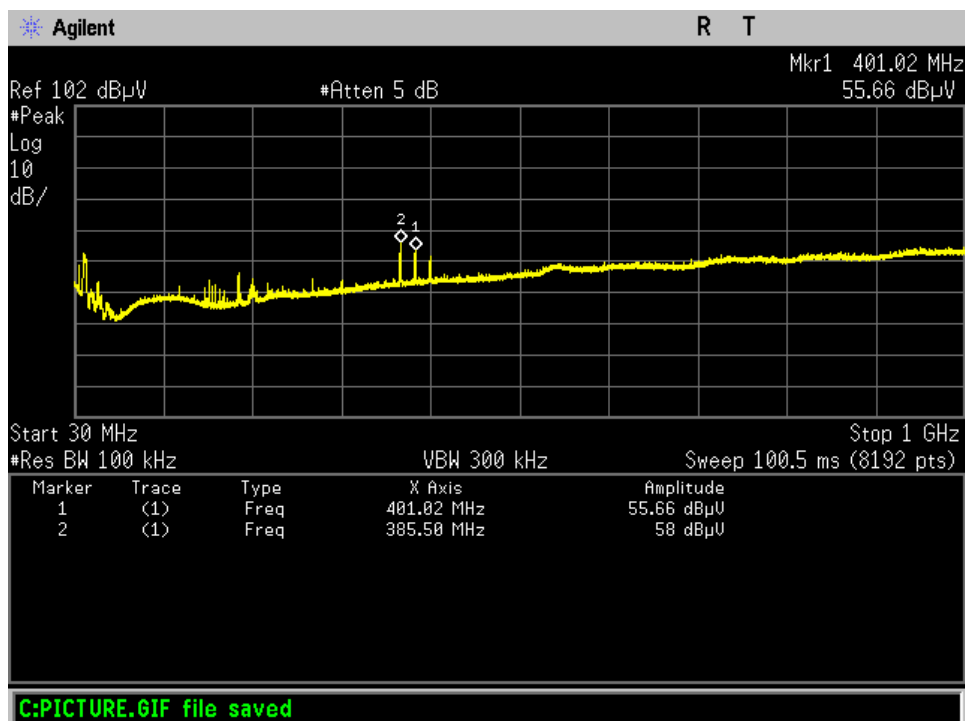


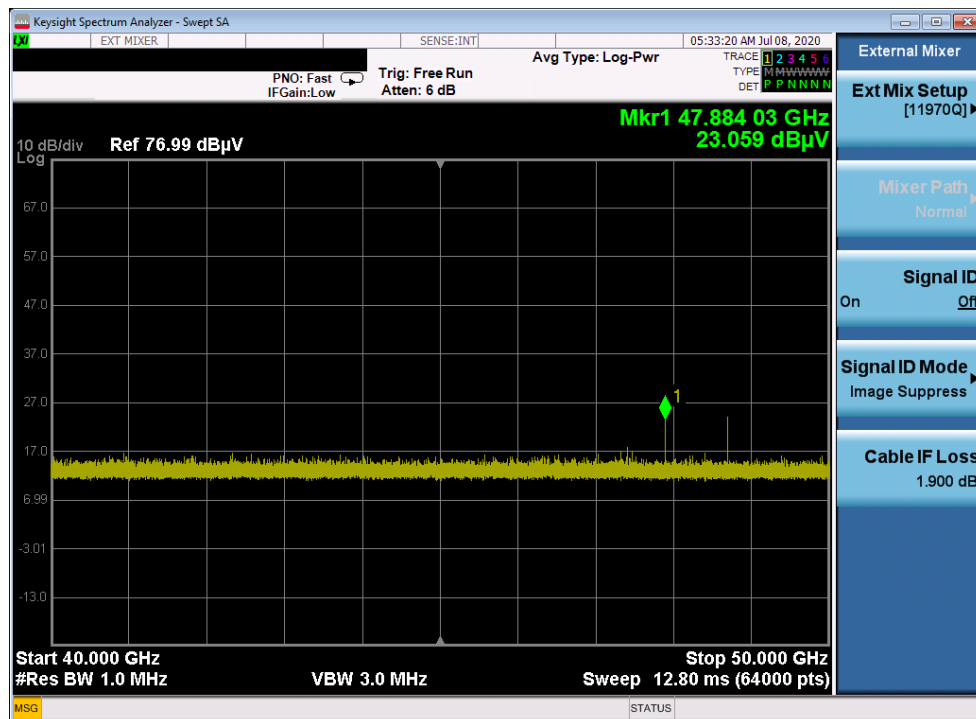
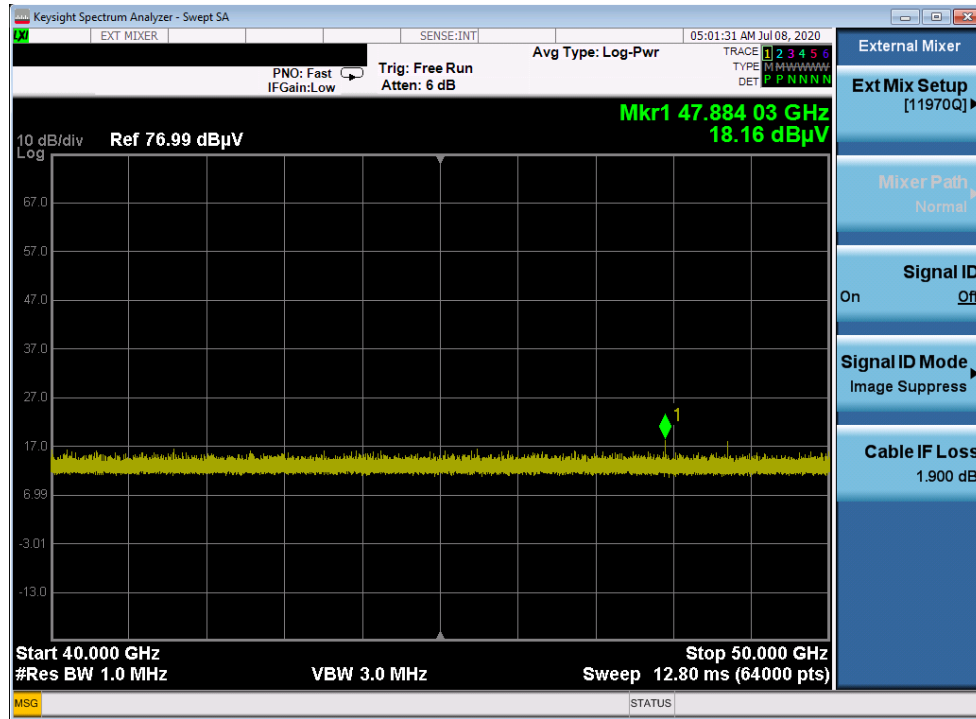


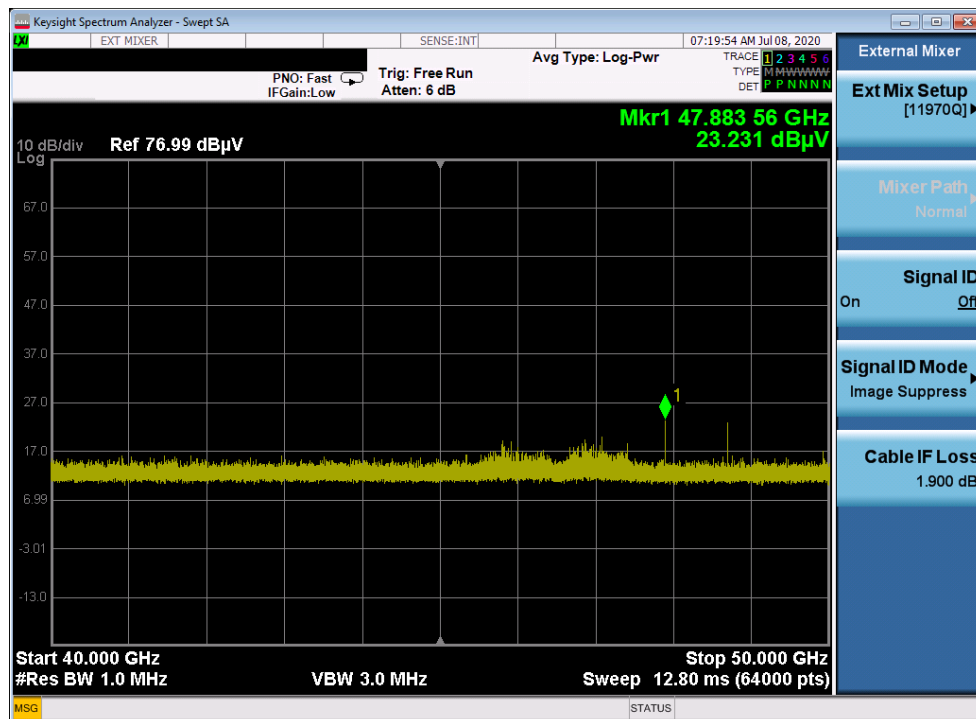
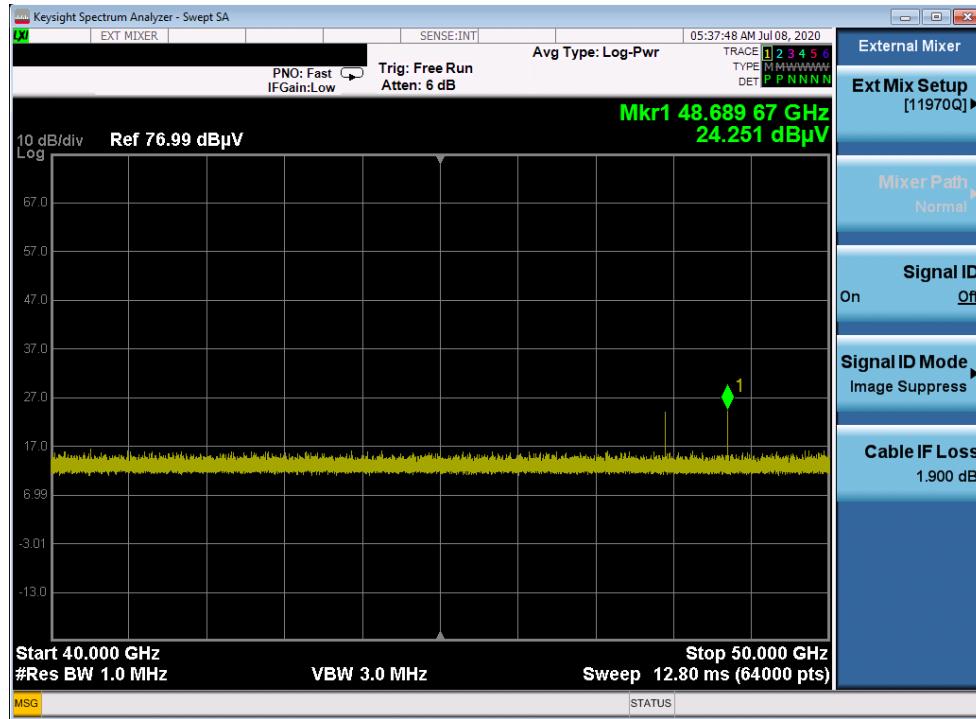
Radiated Spurious_30 - 1000 MHz_SISO UL_27925 MHz_p19c0009



Radiated Spurious_30 - 1000 MHz_SISO UL_28300 MHz_p19c0009







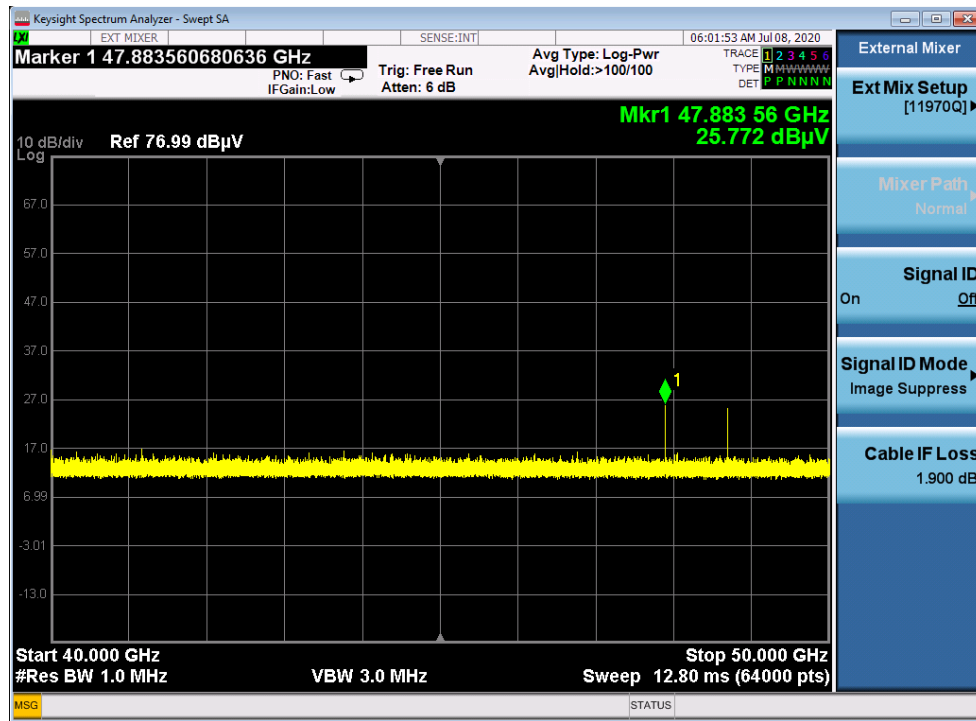
The image shows a Keysight Spectrum Analyzer (Swept SA) display. The main plot area shows a signal at 48.68998 GHz with a power level of 23.86 dBμV. The y-axis is labeled '10 dB/div' and 'Log'. The x-axis is labeled 'Start 40.000 GHz', '#Res BW 1.0 MHz', 'VBW 3.0 MHz', 'Sweep 12.80 ms (64000 pts)', and 'Stop 50.000 GHz'. The top status bar shows '07:15:49 AM Jul 08, 2020' and 'Avg Type: Log-Pwr'. The right sidebar contains settings for 'External Mixer', 'Ext Mix Setup [11970Q]', 'Mixer Path Normal', 'Signal ID On', 'Signal ID Mode Image Suppress', and 'Cable IF Loss 1.900 dB'.

The screenshot displays a Keysight Spectrum Analyzer interface. The main plot area shows a frequency spectrum from 40.000 GHz to 50.000 GHz. A significant signal peak is visible at 47.88387 GHz, labeled as Mkr1. The vertical scale is set to 10 dB/div Log, and the horizontal scale is 3.0 MHz/VBW. The reference level is 76.99 dBμV. The signal level at the marker is 24.942 dBμV. The right-hand side panel contains various settings: External Mixer, Ext Mix Setup [11970Q], Mixer Path Normal, Signal ID On, Signal ID Mode Image Suppress, and Cable IF Loss 1.900 dB.

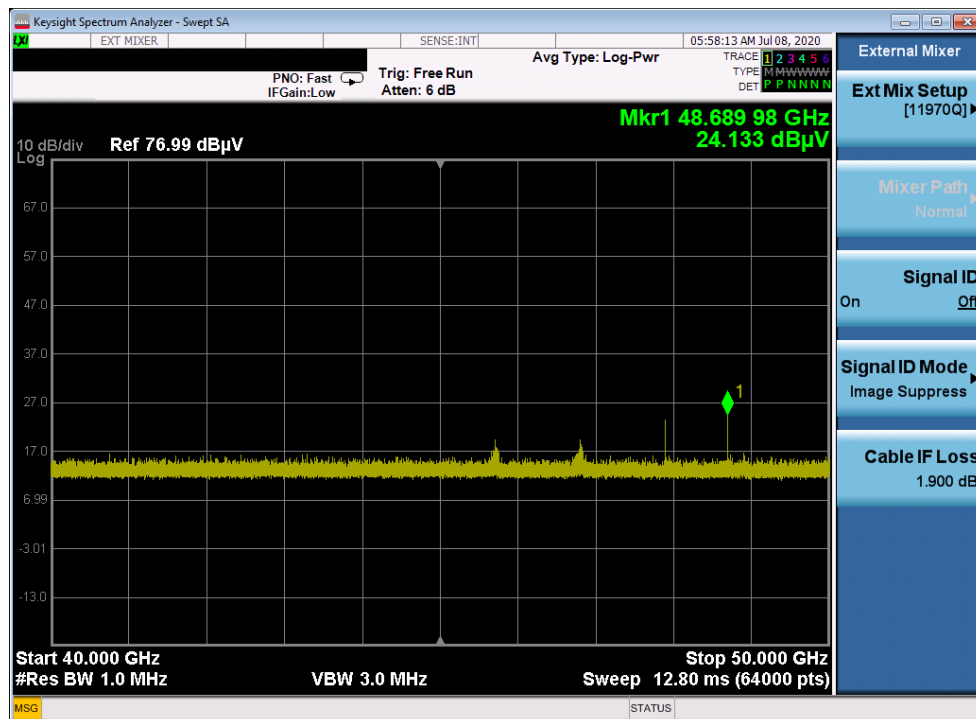
Parameter	Value
Frequency (Mkr1)	47.88387 GHz
Power Level (dBμV)	24.942
Start Frequency	40.000 GHz
Stop Frequency	50.000 GHz
Resolution Bandwidth (VBW)	3.0 MHz
Sweep Points	64000 pts



Radiated Spurious_40 - 50 GHz_SISO DL_27550 MHz_p19c0009

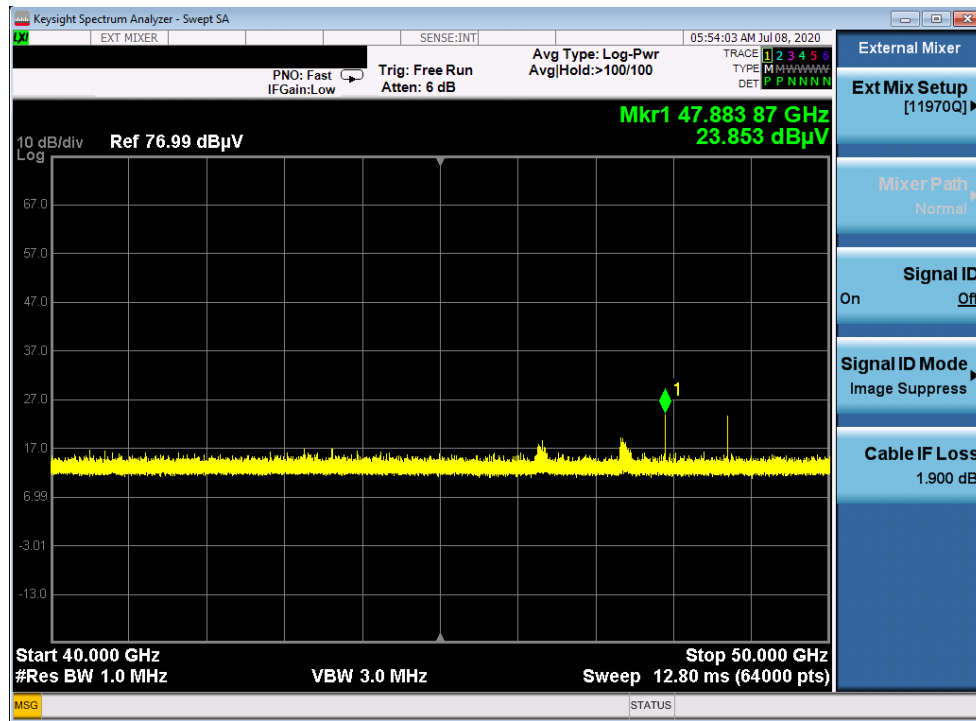


Radiated Spurious_40 - 50 GHz_SISO DL_27925 MHz_p19c0009

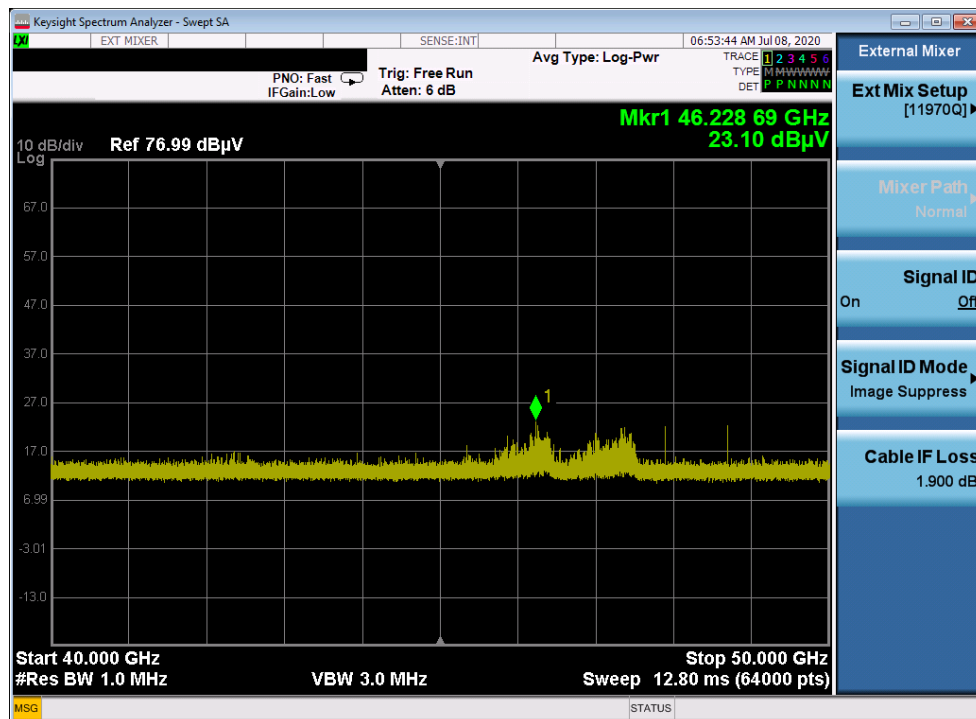


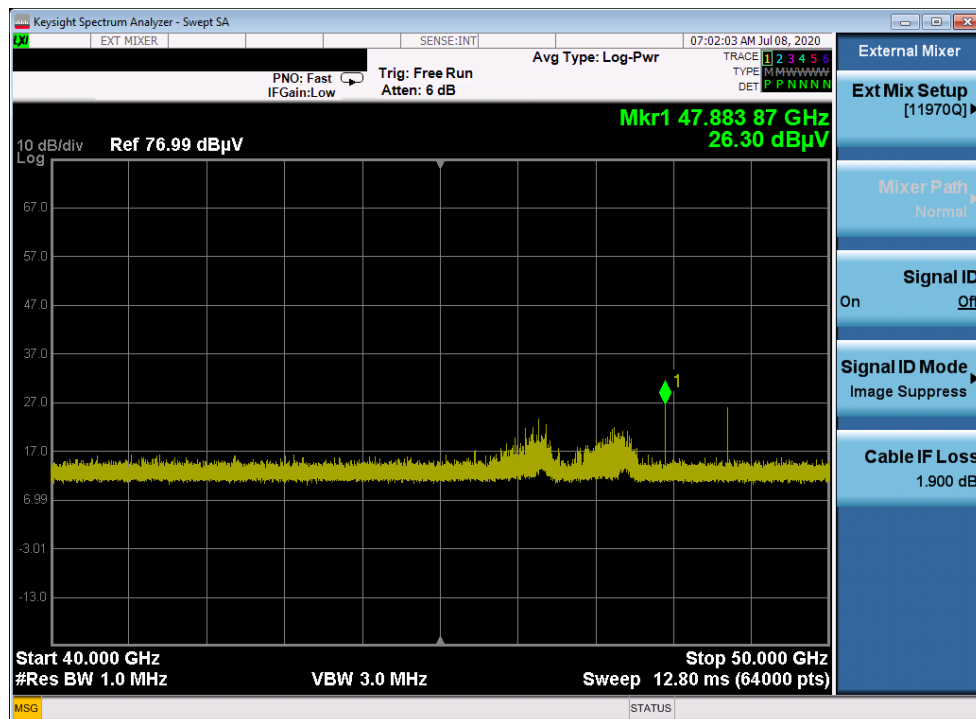
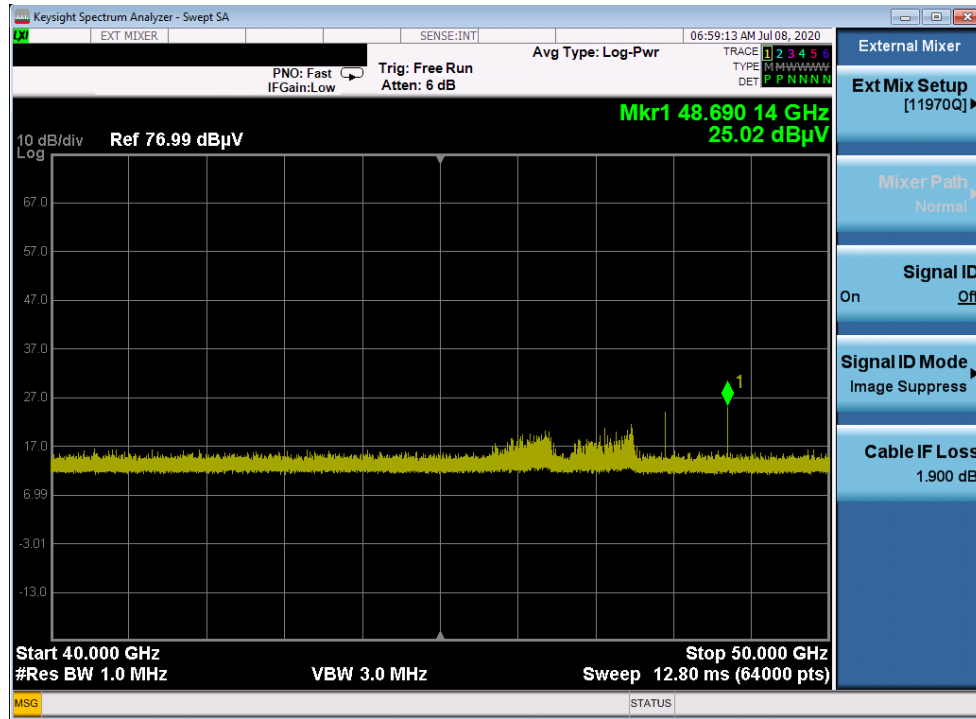


Radiated Spurious_40 - 50 GHz_SISO DL_28300 MHz_p19c0009



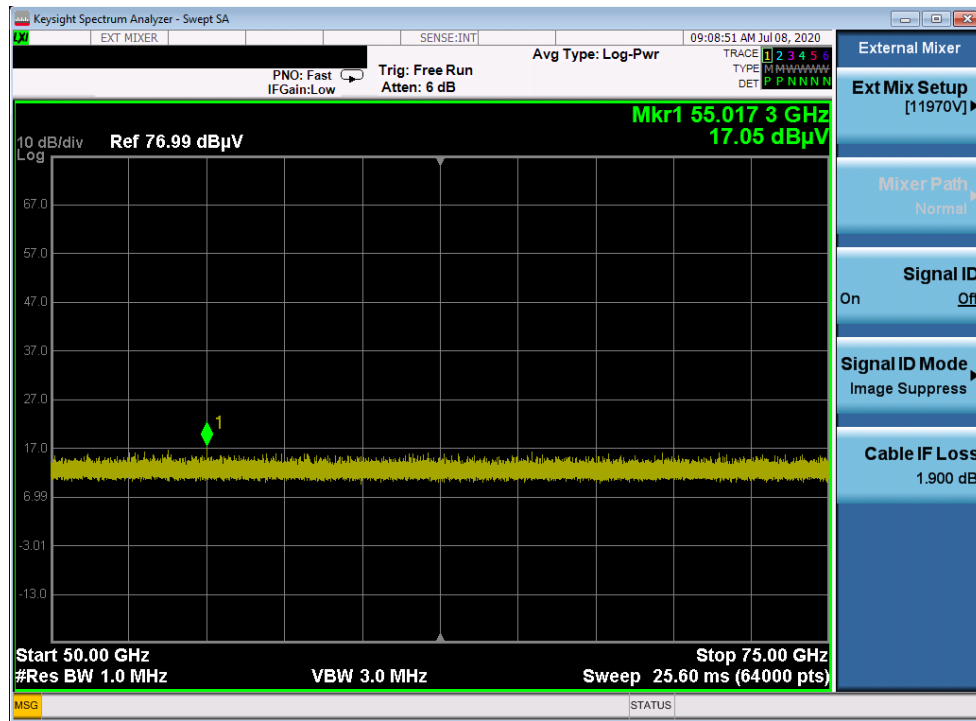
Radiated Spurious_40 - 50 GHz_SISO UL_27550 MHz_p19c0009



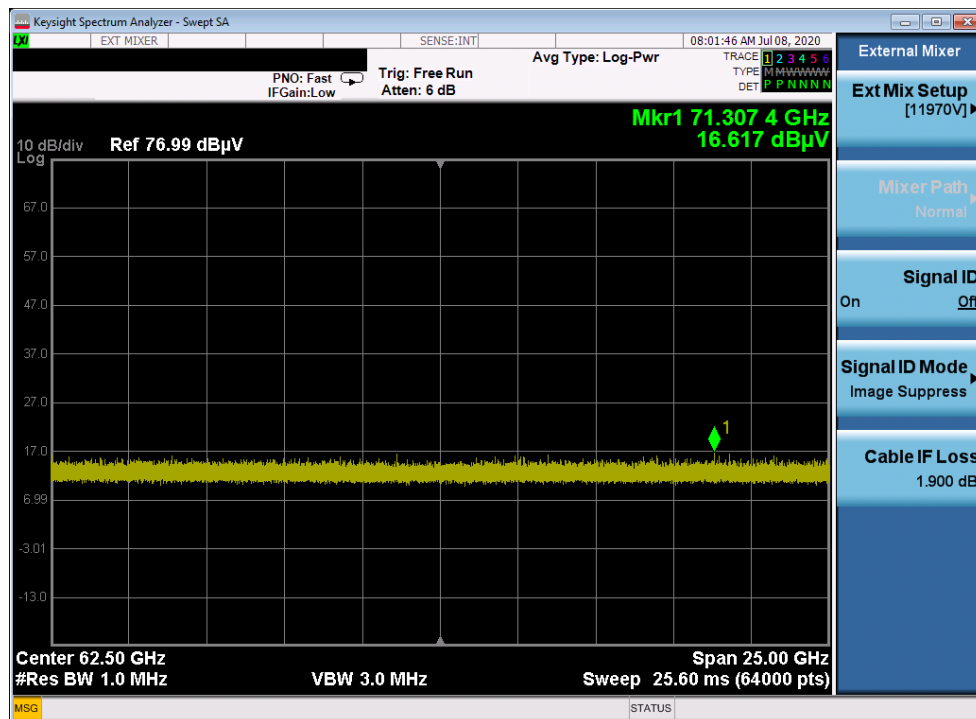


[illegible][illegible]

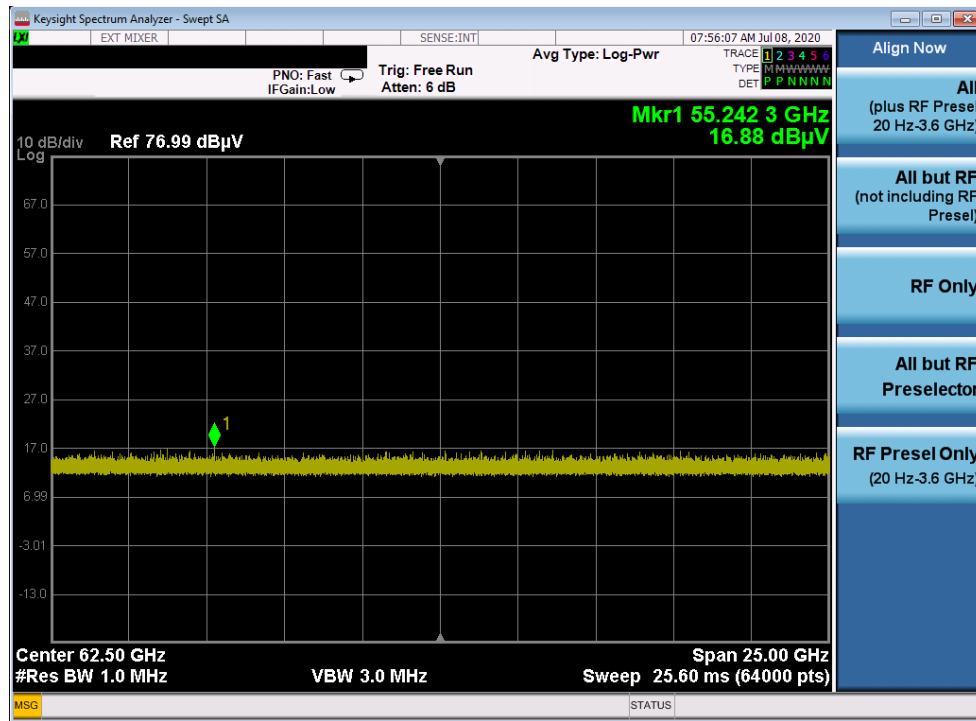
Radiated Spurious_50 - 75 GHz_MIMO DL_28300 MHz_p19c0009



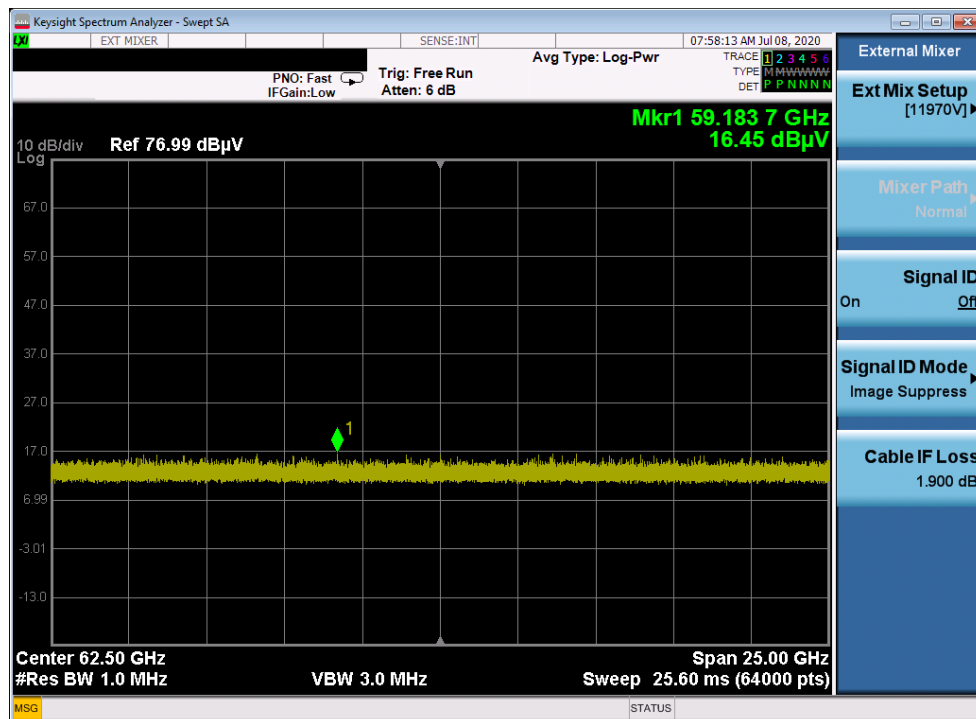
Radiated Spurious_50 - 75 GHz_MIMO UL_27550 MHz_p19c0009



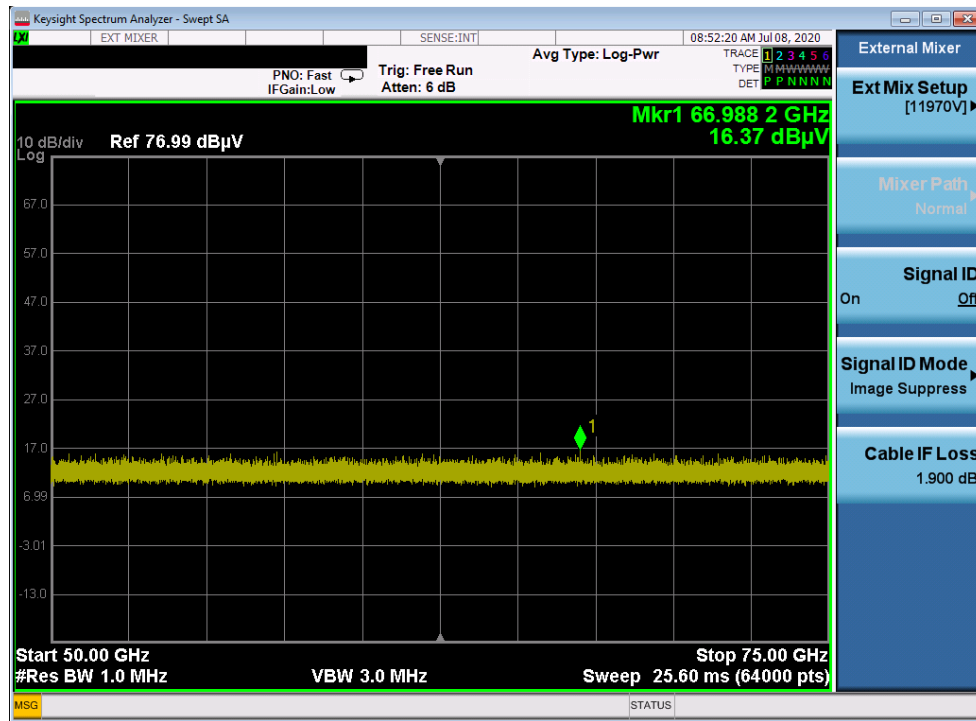
Radiated Spurious_50 - 75 GHz_MIMO UL_27925 MHz_p19c0009



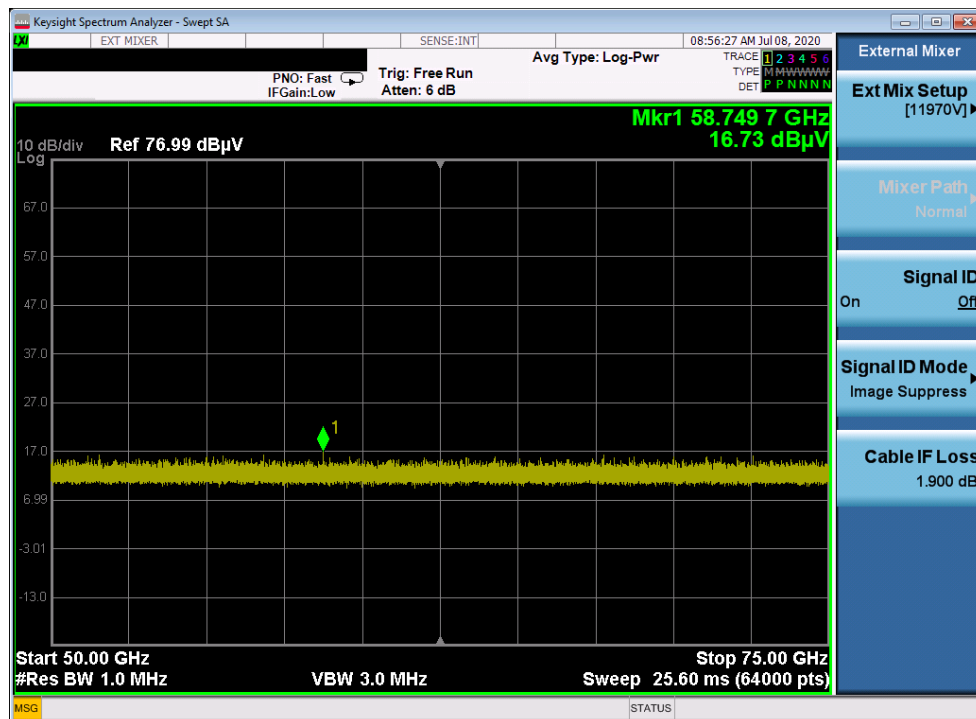
Radiated Spurious_50 - 75 GHz_MIMO UL_28300 MHz_p19c0009



Radiated Spurious_50 - 75 GHz_SISO DL_27550 MHz_p19c0009



Radiated Spurious_50 - 75 GHz_SISO DL_27925 MHz_p19c0009



[illegible]

The screenshot displays a Keysight Spectrum Analyzer interface. The main plot area shows a frequency spectrum from 62.50 GHz to 65.00 GHz (labeled as Span 25.00 GHz). A prominent signal is visible at 50.092 GHz, marked with a green 'Mkr1' label. The signal level is indicated as 17.37 dBμV. The reference level is set to 76.99 dBμV. The resolution bandwidth (RBW) is 3.0 MHz, and the sweep rate is 25.60 ms (64000 pts).

Top Bar:

- Keysight Spectrum Analyzer - Swept SA
- EXT MIXER
- SENSE:INT
- 08:06:48 AM Jul 08, 2020

Right Panel:

- External Mixer
- Ext Mix Setup [11970V]
- Mixer Path Normal
- Signal ID On
- Signal ID Mode Image Suppress
- Cable IF Loss 1.900 dB

Plot Area:

- 10 dB/div
- Log
- Ref 76.99 dBμV
- Mkr1 50.092 2 GHz
- 17.37 dBμV

Bottom Bar:

- Center 62.50 GHz
- #Res BW 1.0 MHz
- VBW 3.0 MHz
- Sweep 25.60 ms (64000 pts)
- Span 25.00 GHz

Keysight Spectrum Analyzer - Swept SA

EXT MIXER SENSE:INT 08:11:22 AM Jul 08, 2020

PNO: Fast IFGain:Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6 TYPE M M M M M M M DET P P N N N N

10 dB/div Ref 76.99 dBμV

Mkr1 53.296 1 GHz
17.43 dBμV

Center 62.50 GHz Span 25.00 MHz
#Res BW 1.0 MHz VBW 3.0 MHz Sweep 25.60 ms (64000 pts)

MSG STATUS

External Mixer

Ext Mix Setup [11970V]

Mixer Path Normal

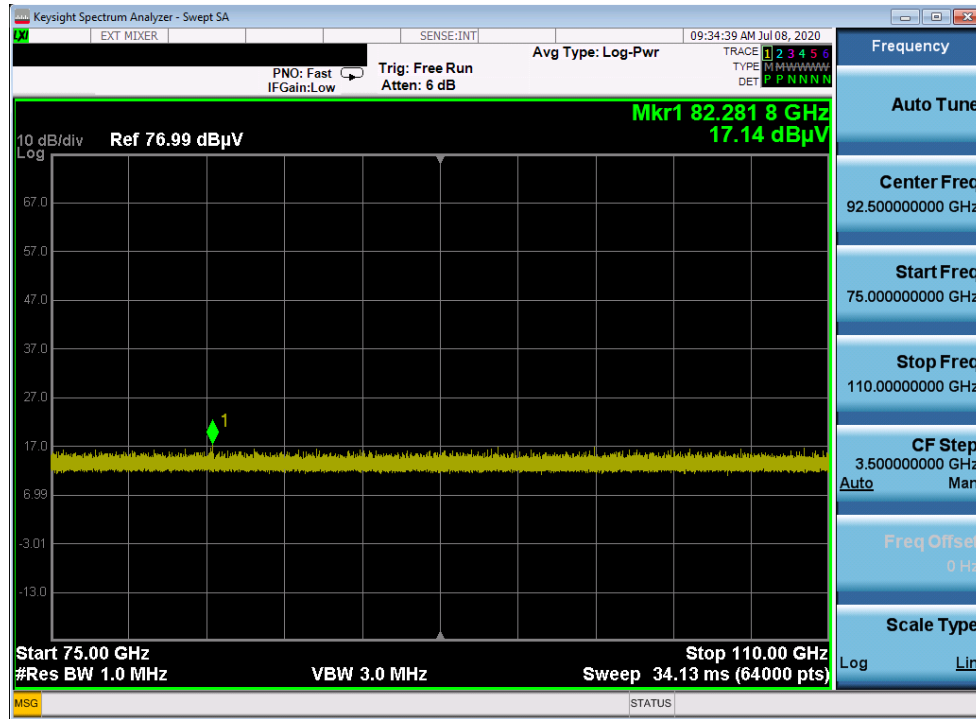
Signal ID On Off

Signal ID Mode Image Suppress

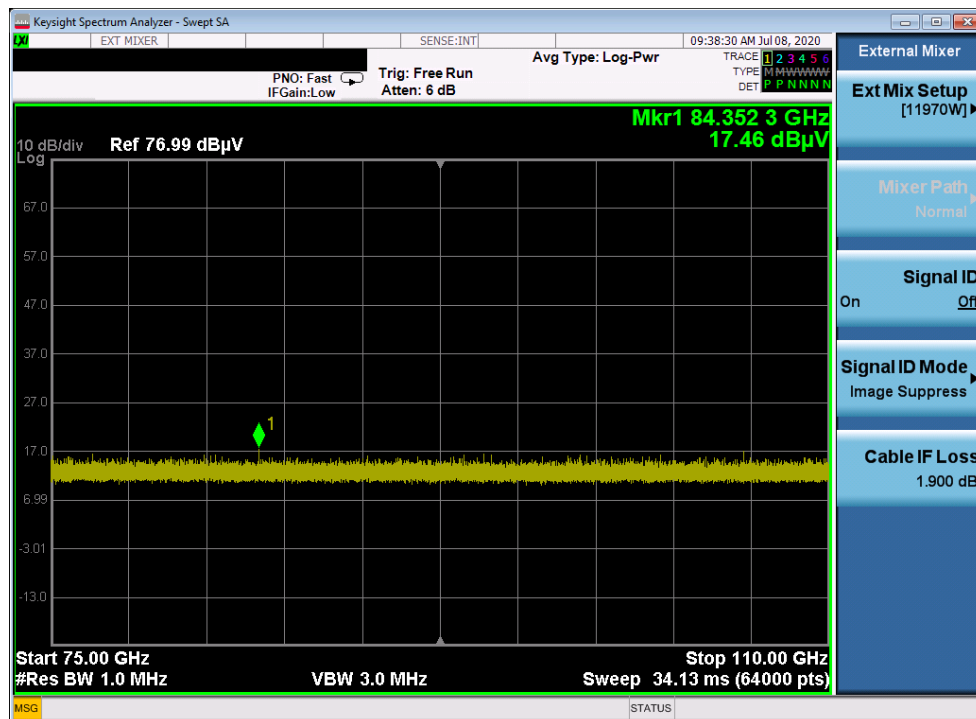
Cable IF Loss 1.900 dB

[illegible]

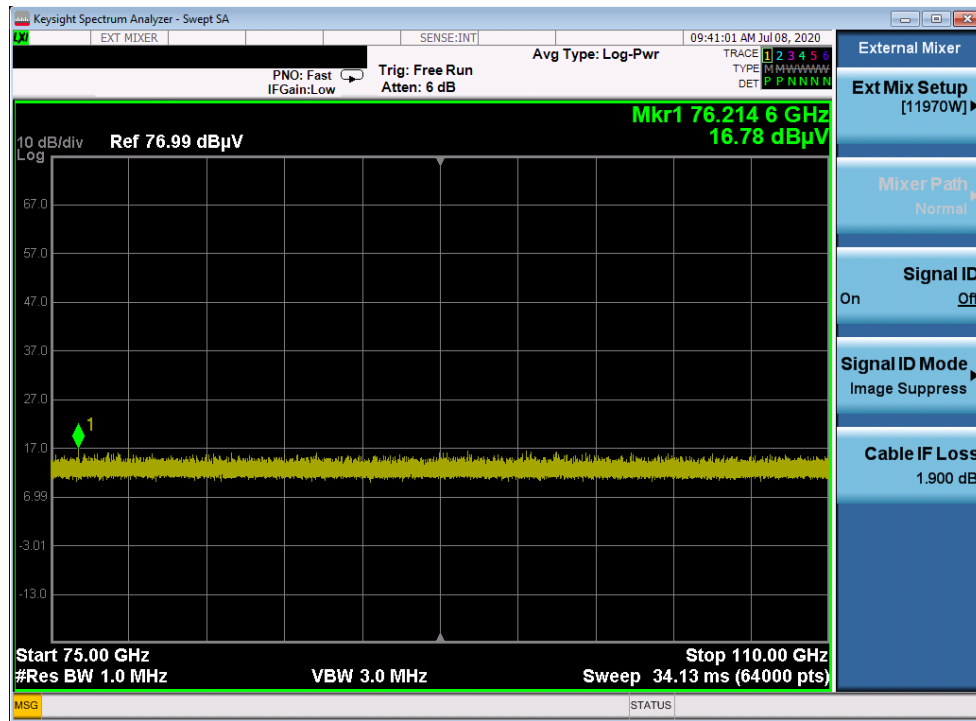
Radiated Spurious_75 - 110 GHz_MIMO DL_27550 MHz_p19c0009



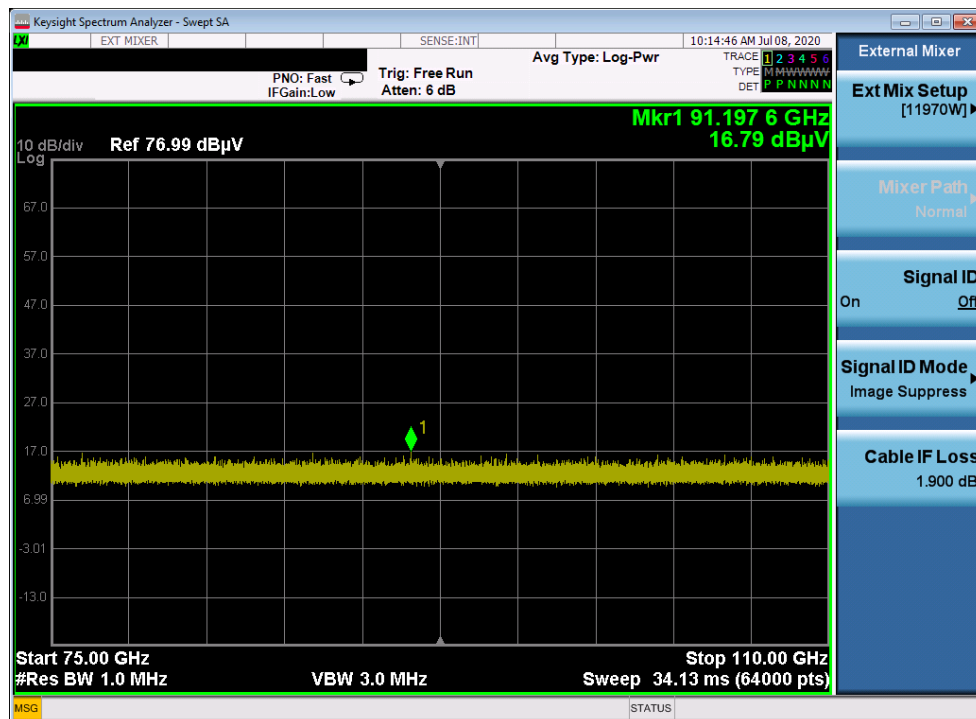
Radiated Spurious_75 - 110 GHz_MIMO DL_27925 MHz_p19c0009



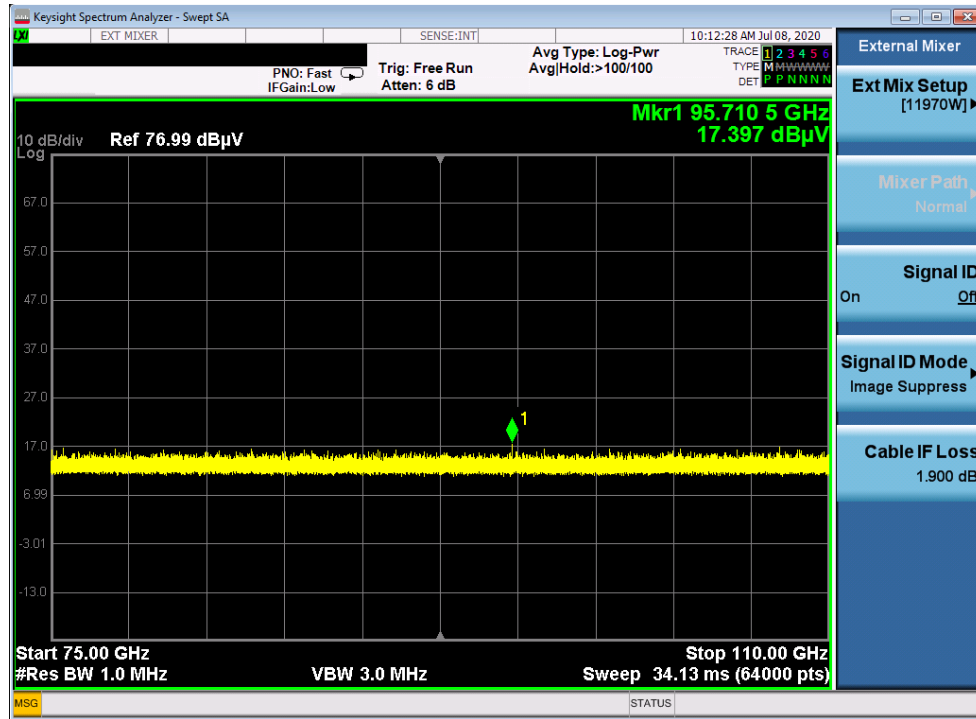
Radiated Spurious_75 - 110 GHz_MIMO DL_28300 MHz_p19c0009



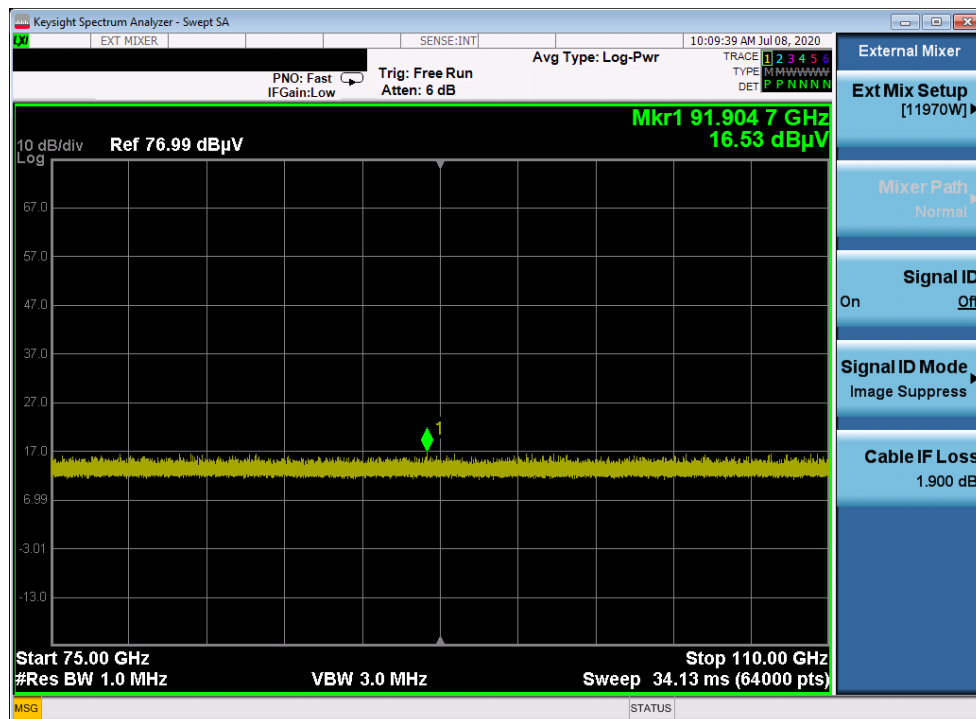
Radiated Spurious_75 - 110 GHz_MIMO UL_27550 MHz_p19c0009



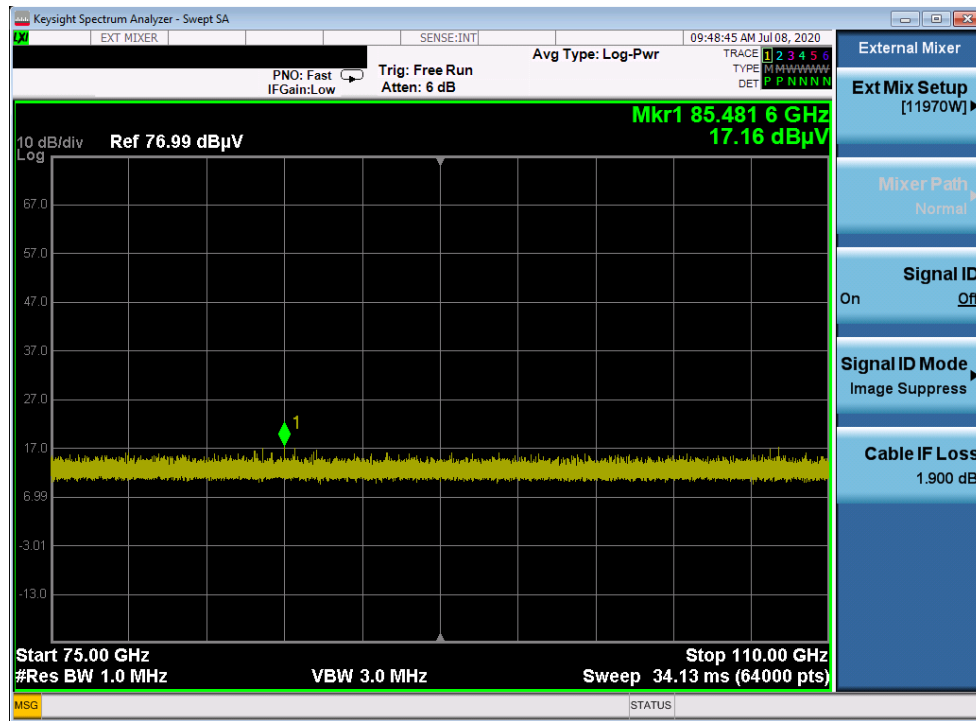
Radiated Spurious_75 - 110 GHz_MIMO UL_27925 MHz_p19c0009



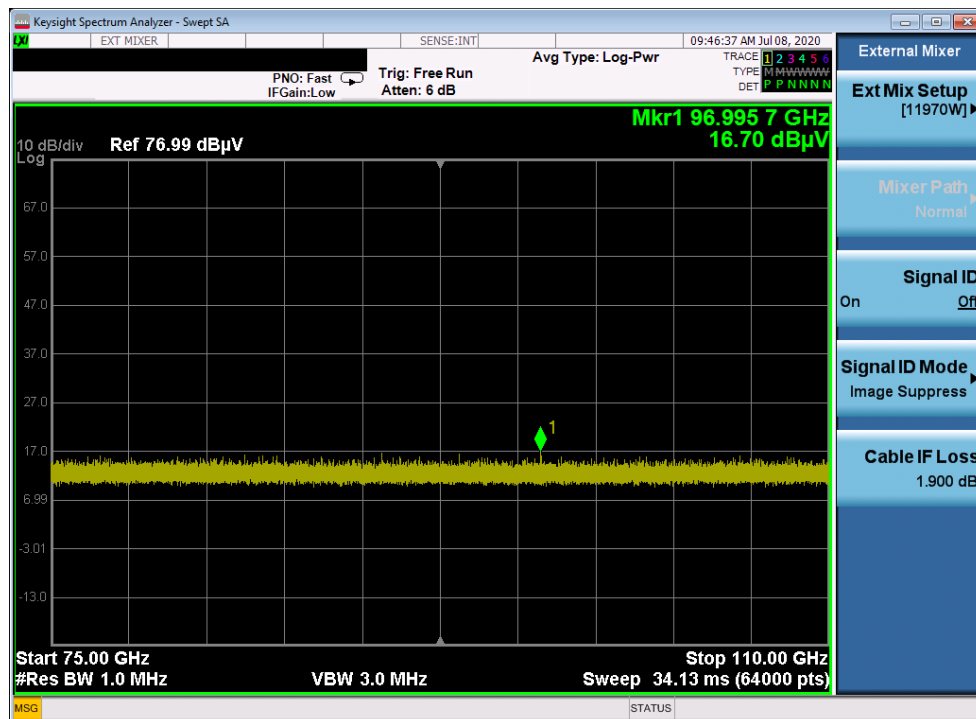
Radiated Spurious_75 - 110 GHz_MIMO UL_28300 MHz_p19c0009



Radiated Spurious_75 - 110 GHz_SISO DL_27550 MHz_p19c0009



Radiated Spurious_75 - 110 GHz_SISO DL_27925 MHz_p19c0009



Keysight Spectrum Analyzer - Swept SA

EXT MIXER SENSE:INT 09:44:20 AM Jul 08, 2020

PNO: Fast IFGain:Low Trig: Free Run Atten: 6 dB Avg Type: Log-Pwr

TRACE 1 2 3 4 5 6 TYPE M M M M M M M M DET P P N N N N

Mkr1 103.268 4 GHz
16.55 dBμV

10 dB/div Ref 76.99 dBμV
Log

Start 75.00 GHz Stop 110.00 GHz
#Res BW 1.0 MHz VBW 3.0 MHz Sweep 34.13 ms (64000 pts)

MSG STATUS

External Mixer

Ext Mix Setup
[11970W]

Mixer Path
Normal

Signal ID
On On

Signal ID Mode
Image Suppress

Cable IF Loss
1.900 dB

Keysight Spectrum Analyzer - Swept SA

Marker 1 106.865810403288 GHz

PNO: Fast IFGain: Low Trig: Free Run Atten: 6 dB

Avg Type: Log-Pwr

09:52:56 AM Jul 08, 2020

TRACE 1 2 3 4 5 6

TYPE M M M M M M M M

DET P P N N N N

External Mixer

Ext Mix Setup [11970W]

Mixer Path Normal

Signal ID On

Signal ID Mode Image Suppress

Cable IF Loss 1.900 dB

10 dB/div Log

Ref 76.99 dBμV

Mkr1 106.865 8 GHz

17.09 dBμV

Start 75.00 GHz

Stop 110.00 GHz

#Res BW 1.0 MHz

VBW 3.0 MHz

Sweep 34.13 ms (64000 pts)

MSG STATUS

