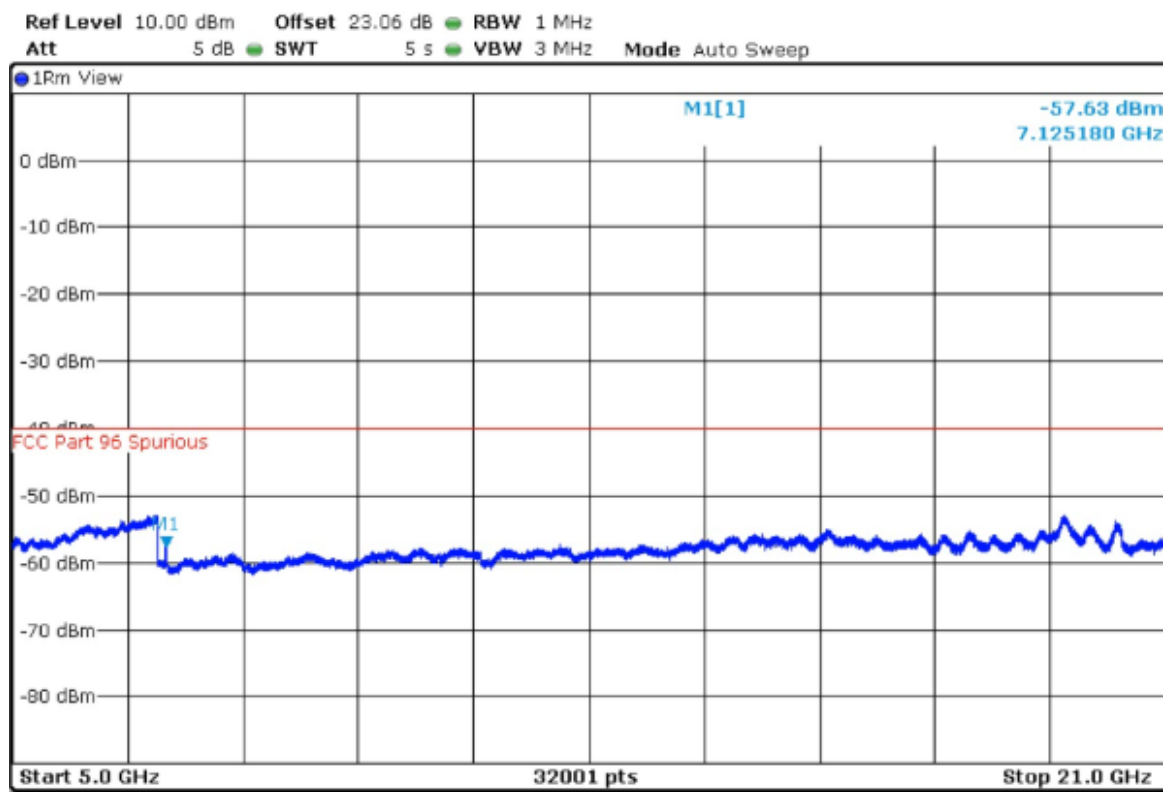
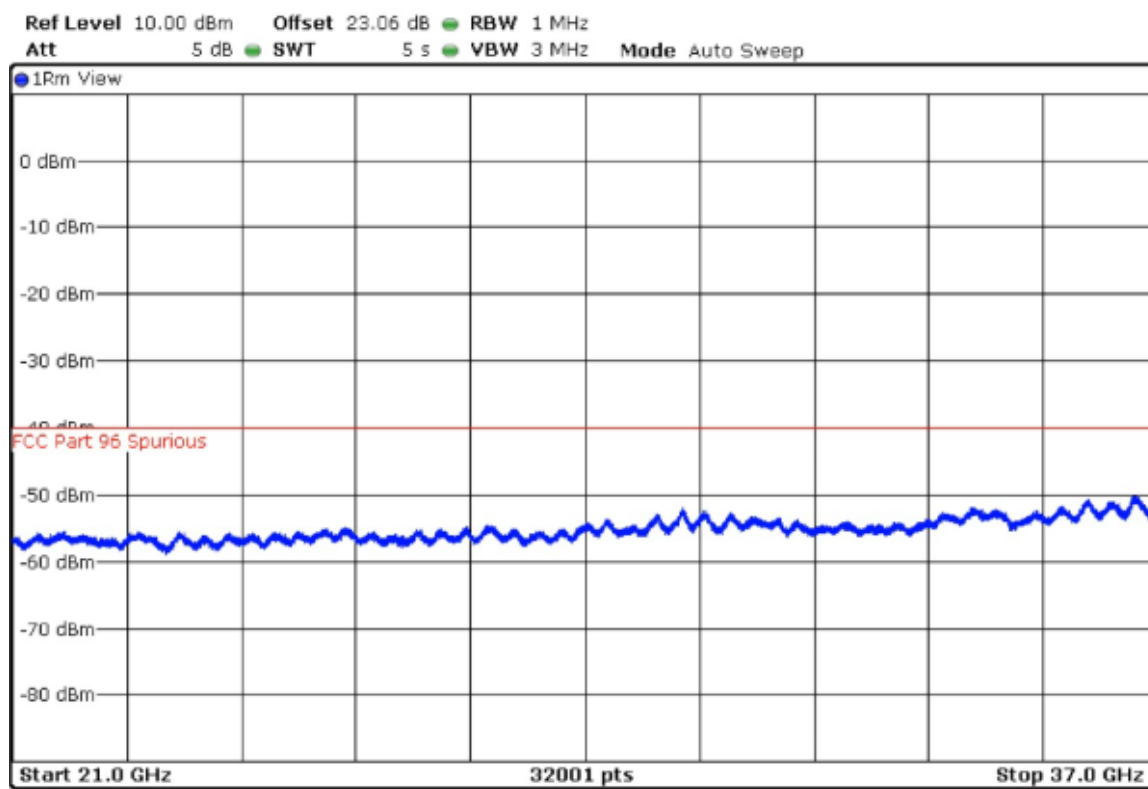


FREQUENCY RANGE 5-21 GHz

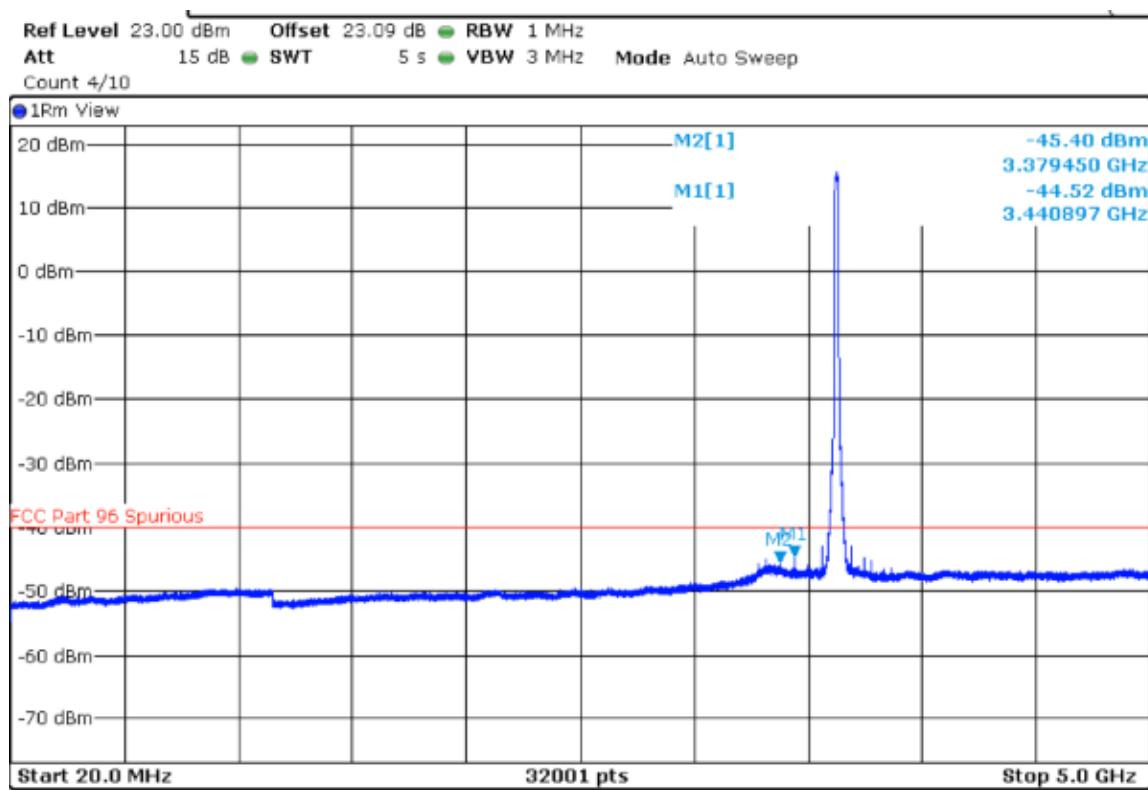


FREQUENCY RANGE 21-37 GHz

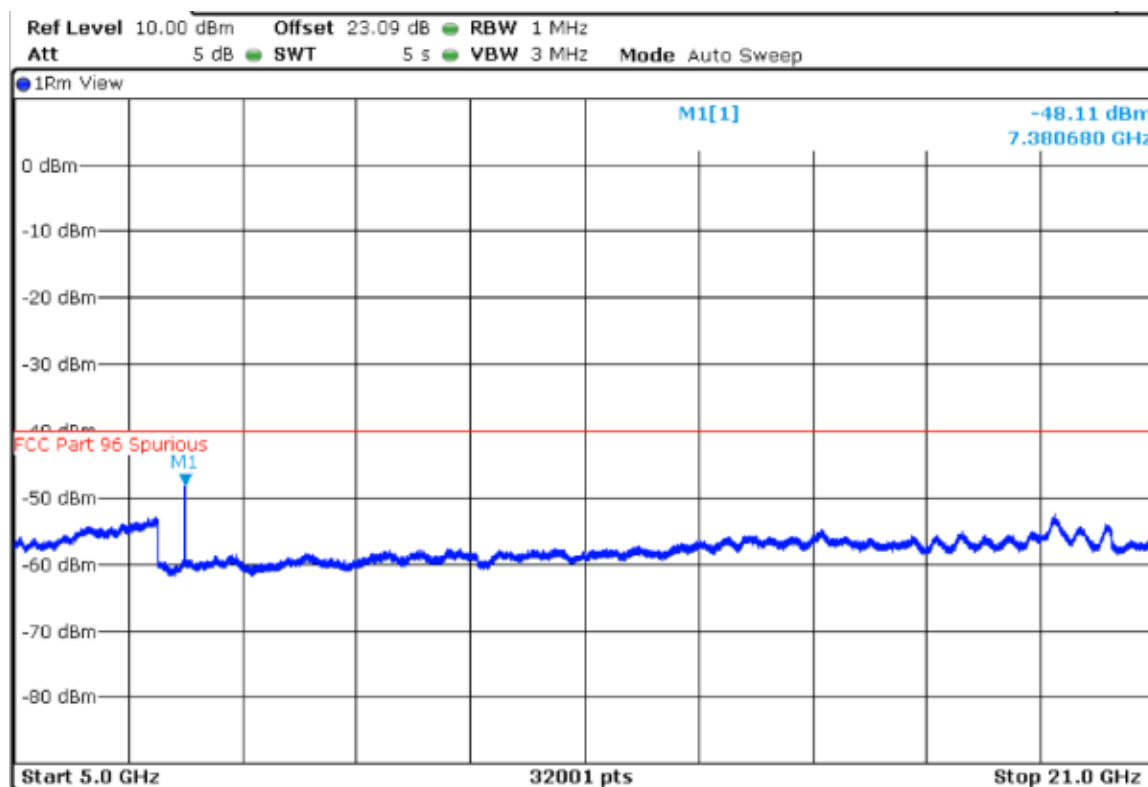


Middle Channel (3625 MHz)

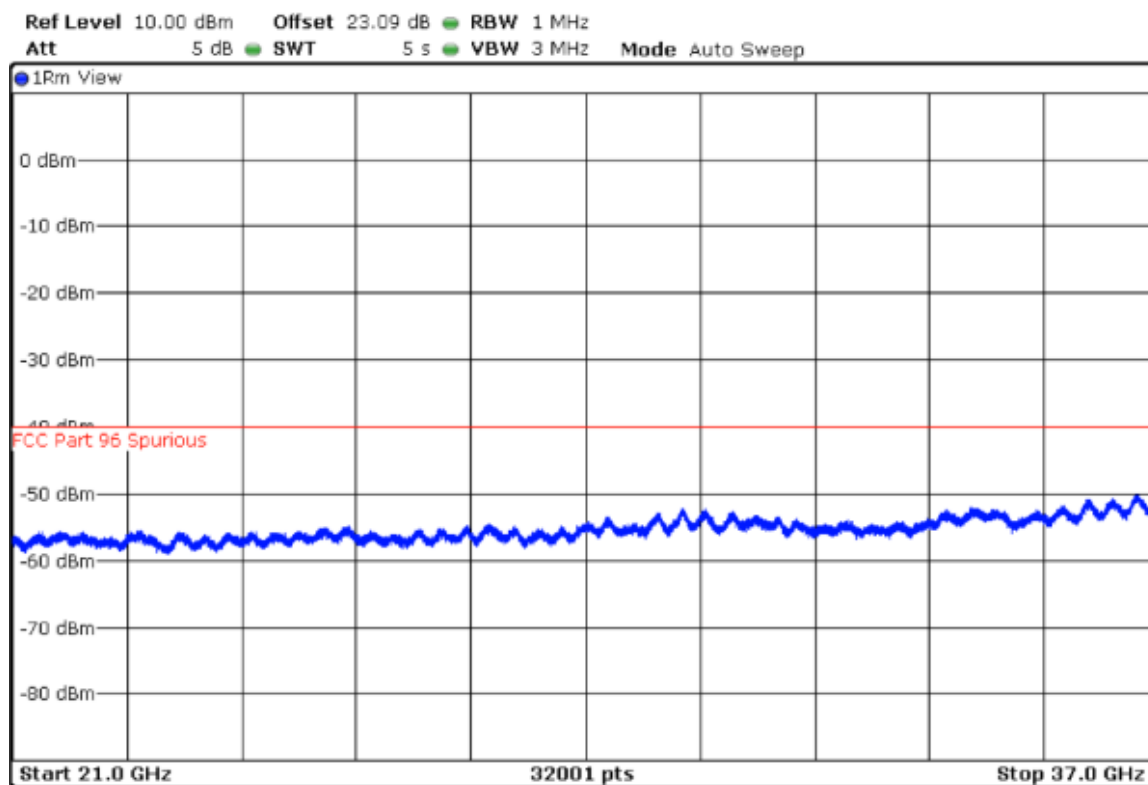
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz

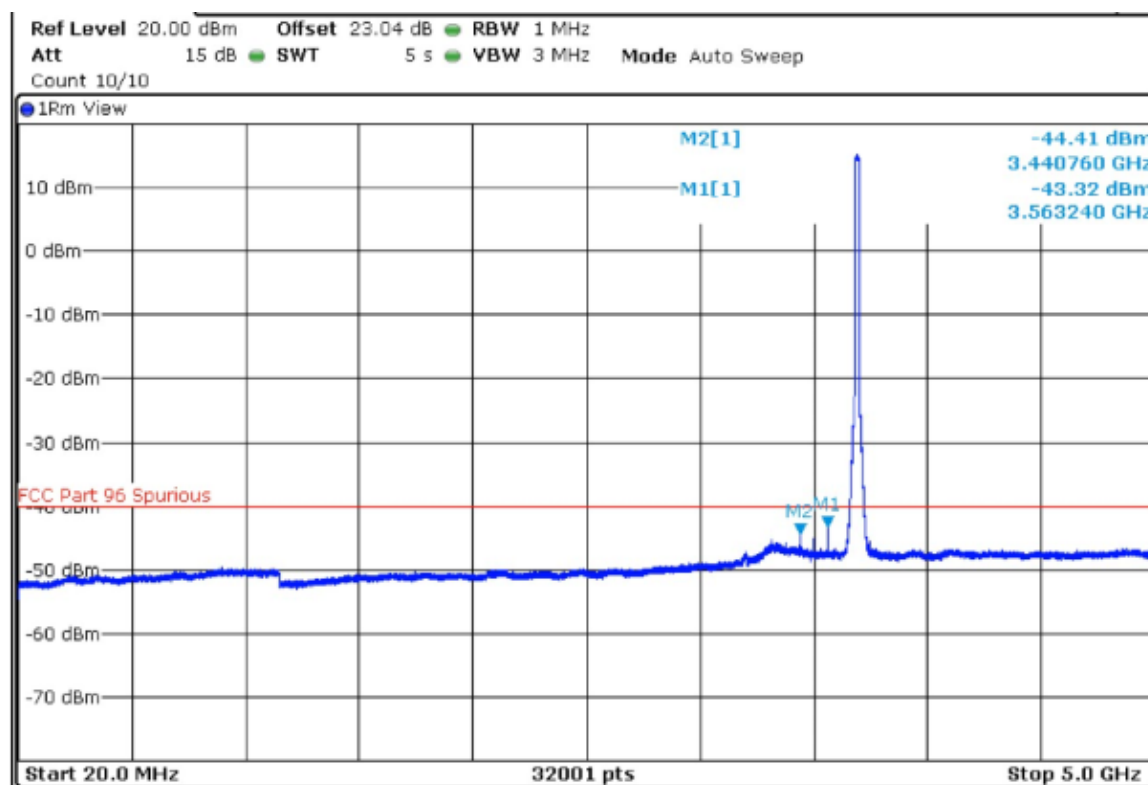


FREQUENCY RANGE 21-37 GHz

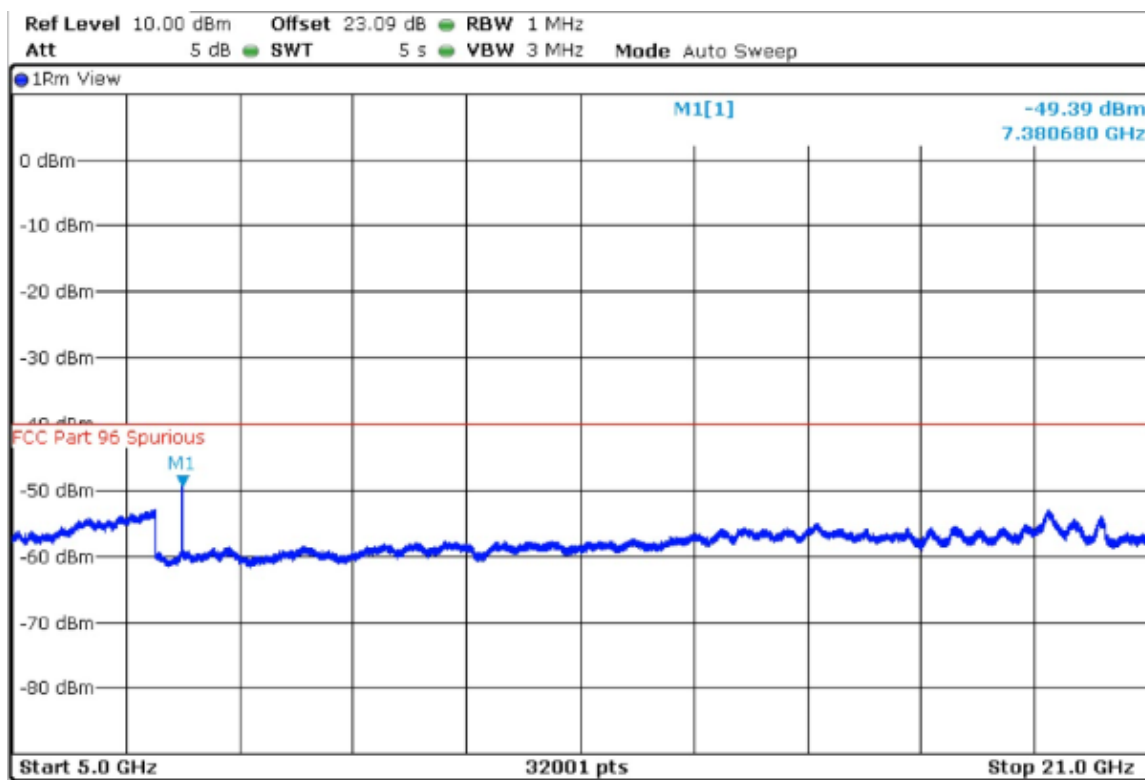


Highest Channel (3690 MHz)

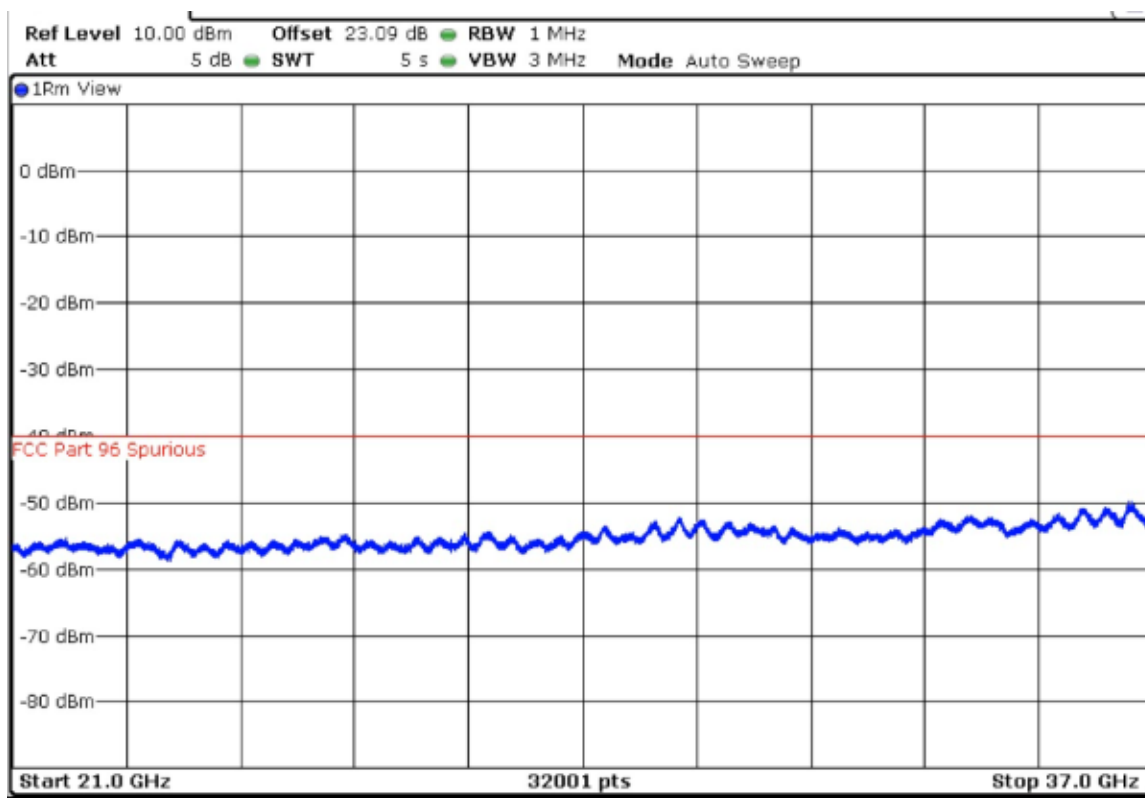
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz



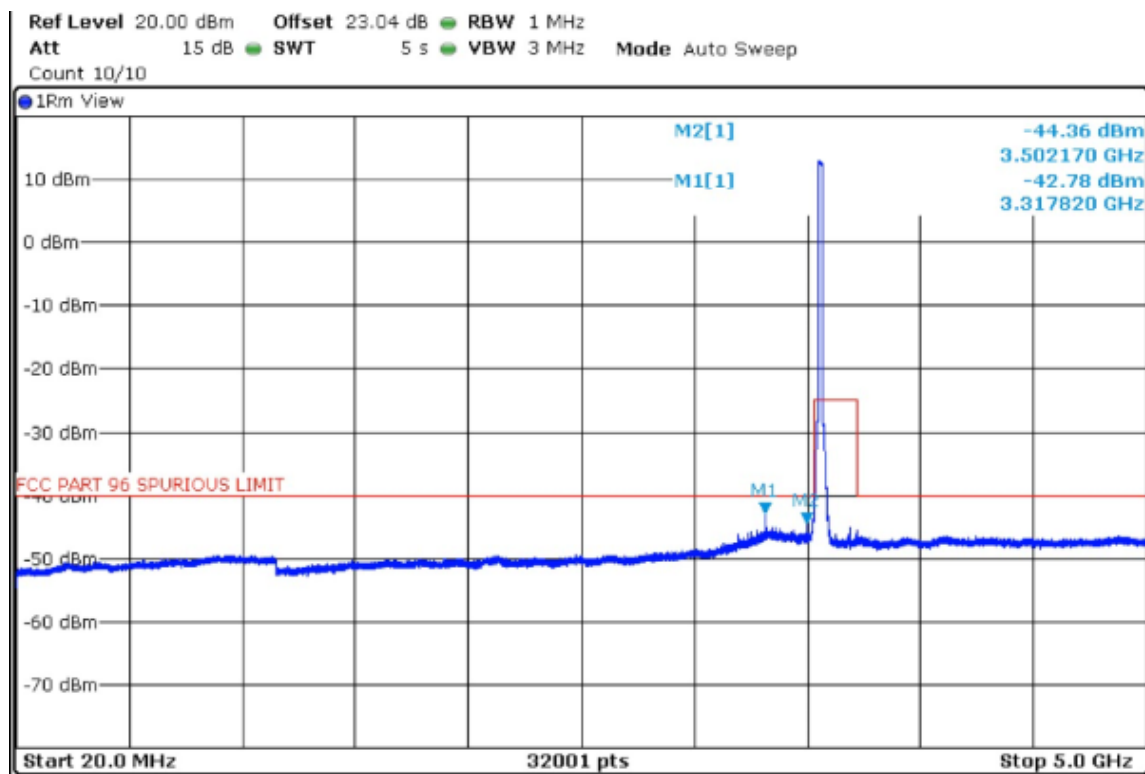
FREQUENCY RANGE 21-37 GHz



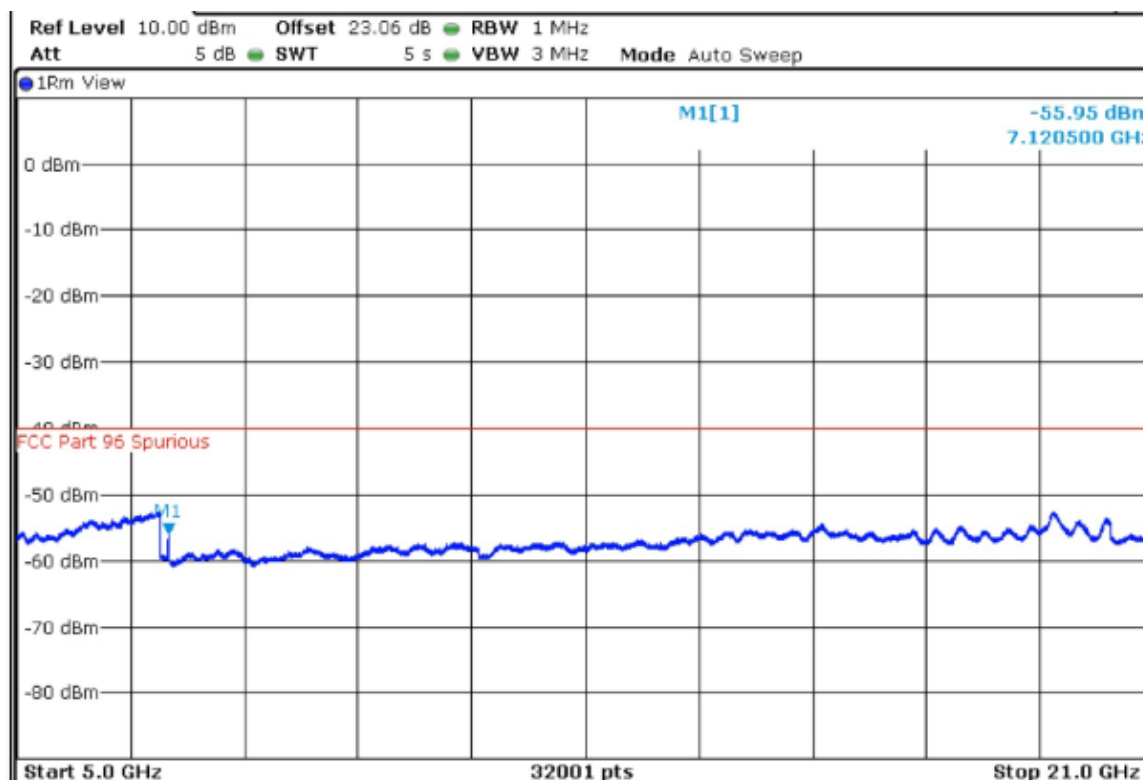
Port 3

Lowest Channel (3560 MHz)

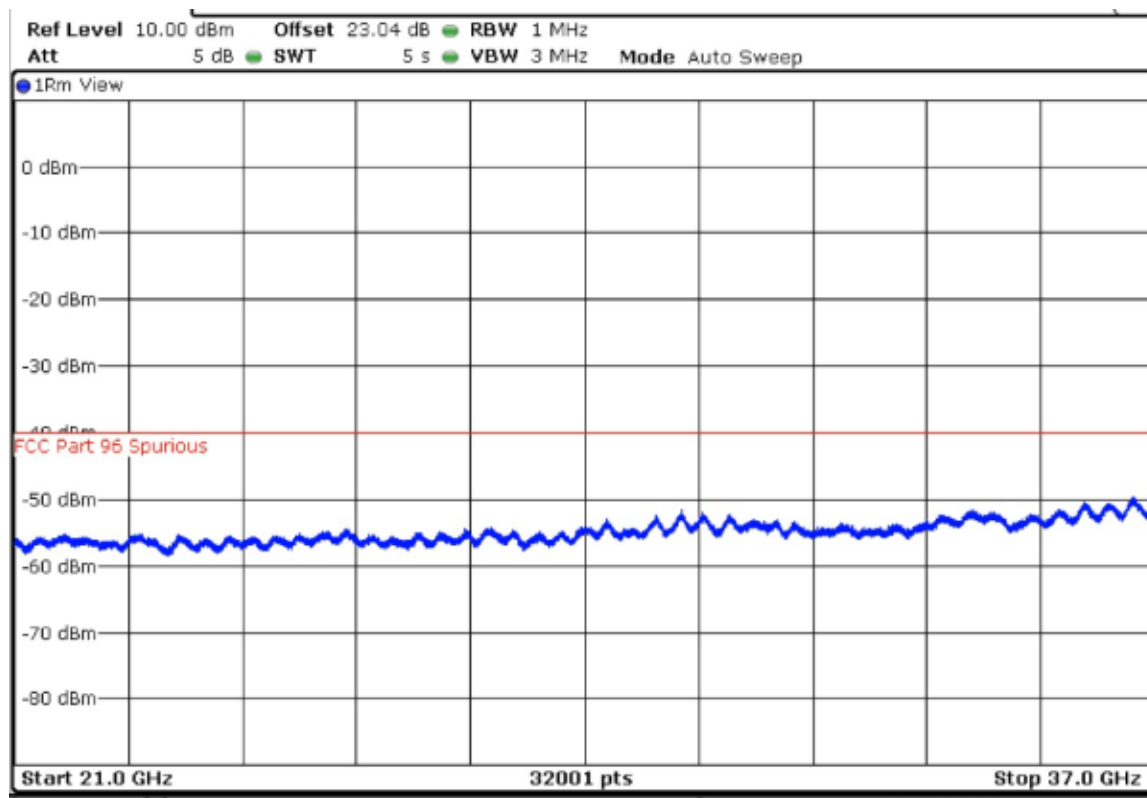
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz

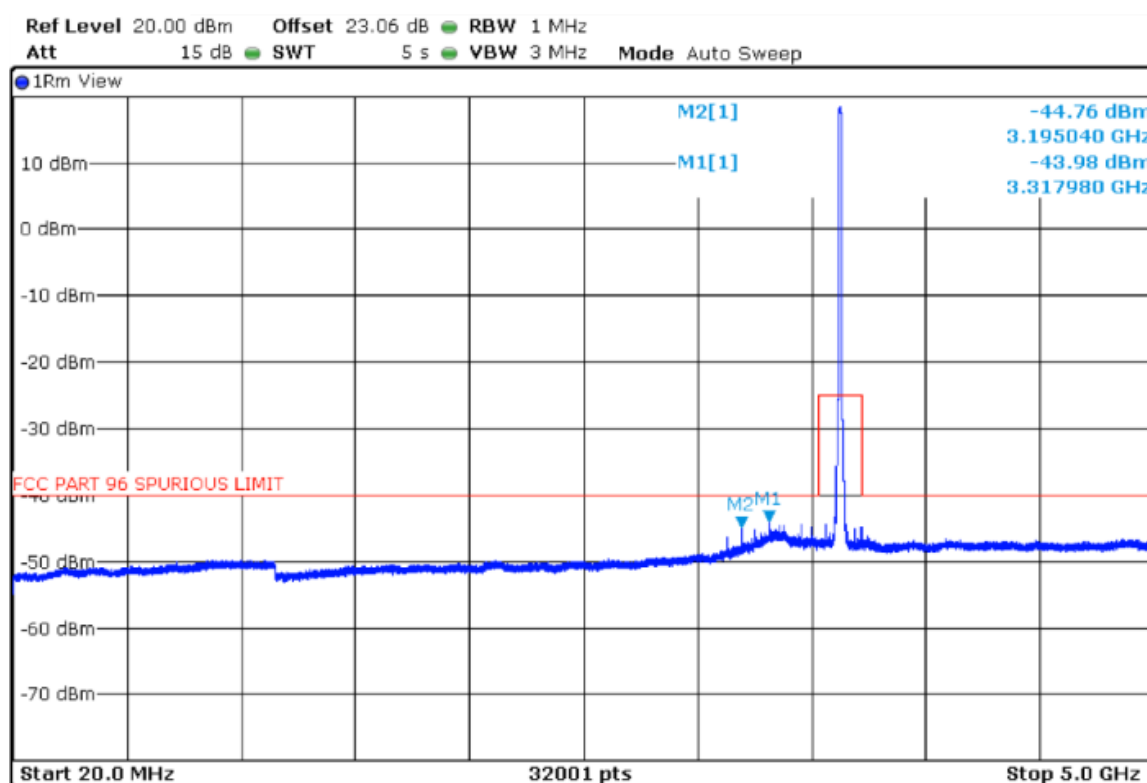


FREQUENCY RANGE 21-37 GHz

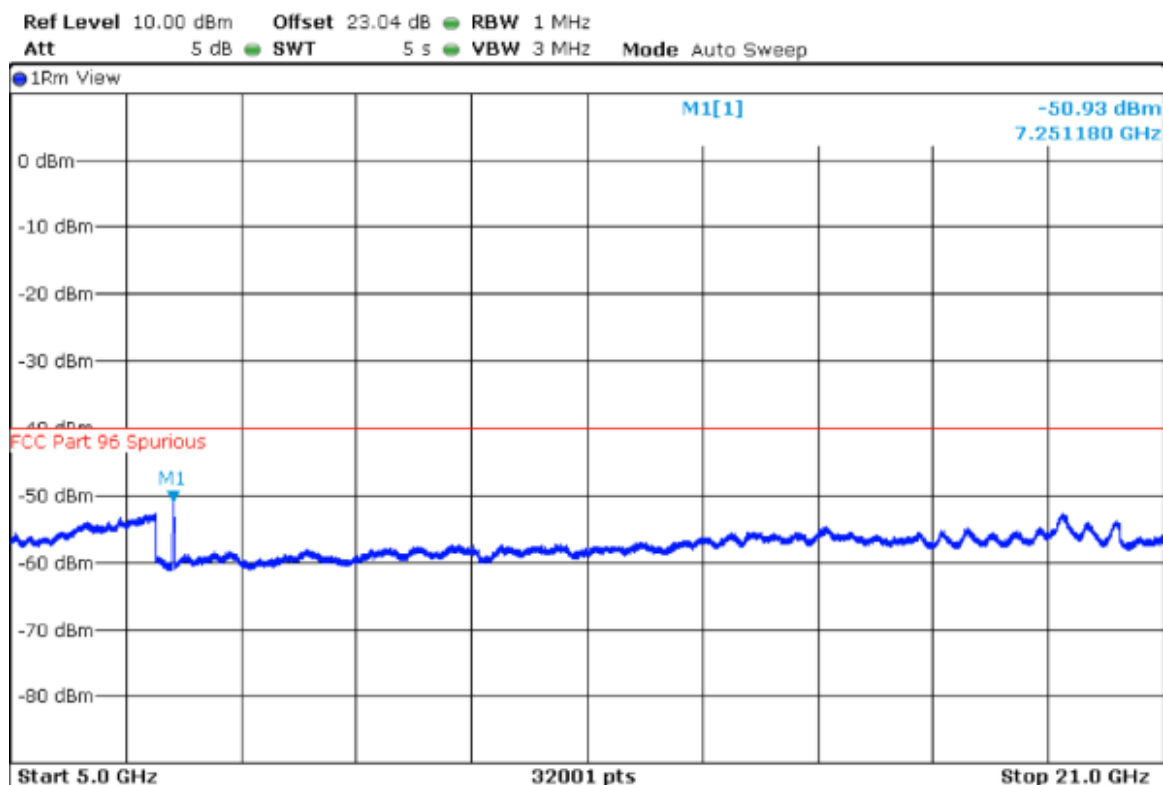


Middle Channel (3625 MHz)

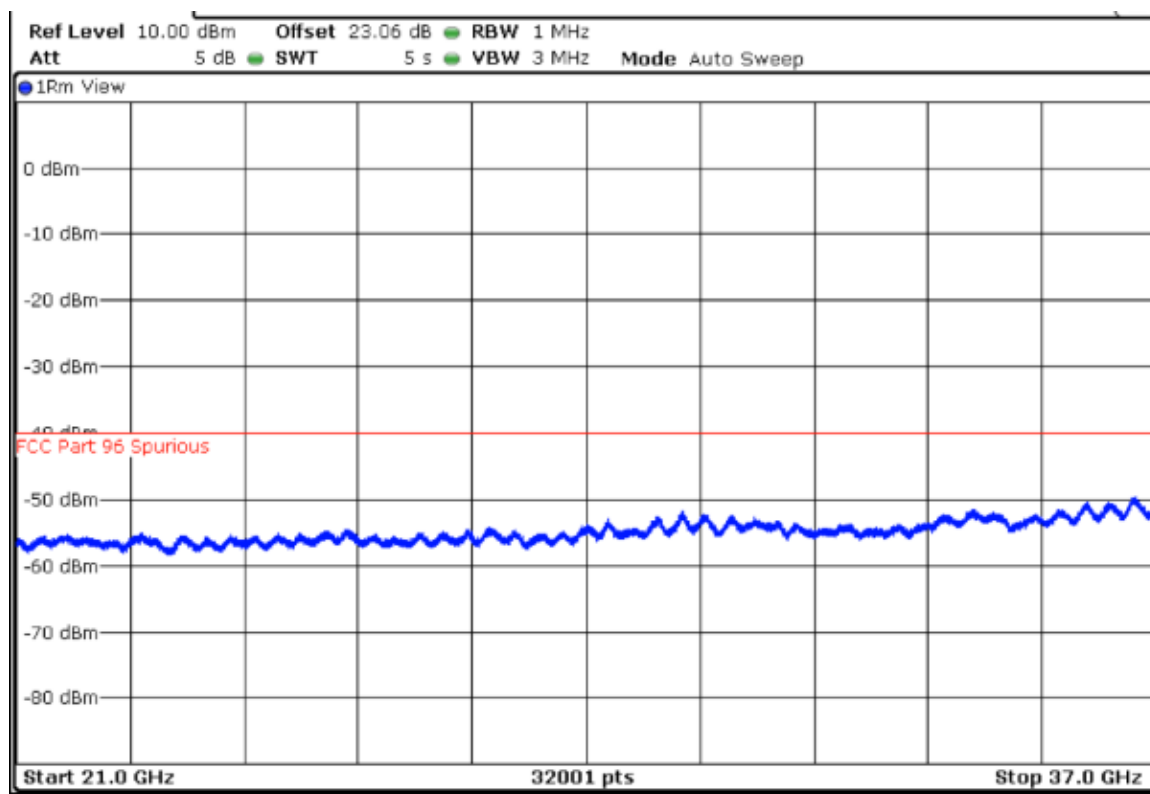
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz

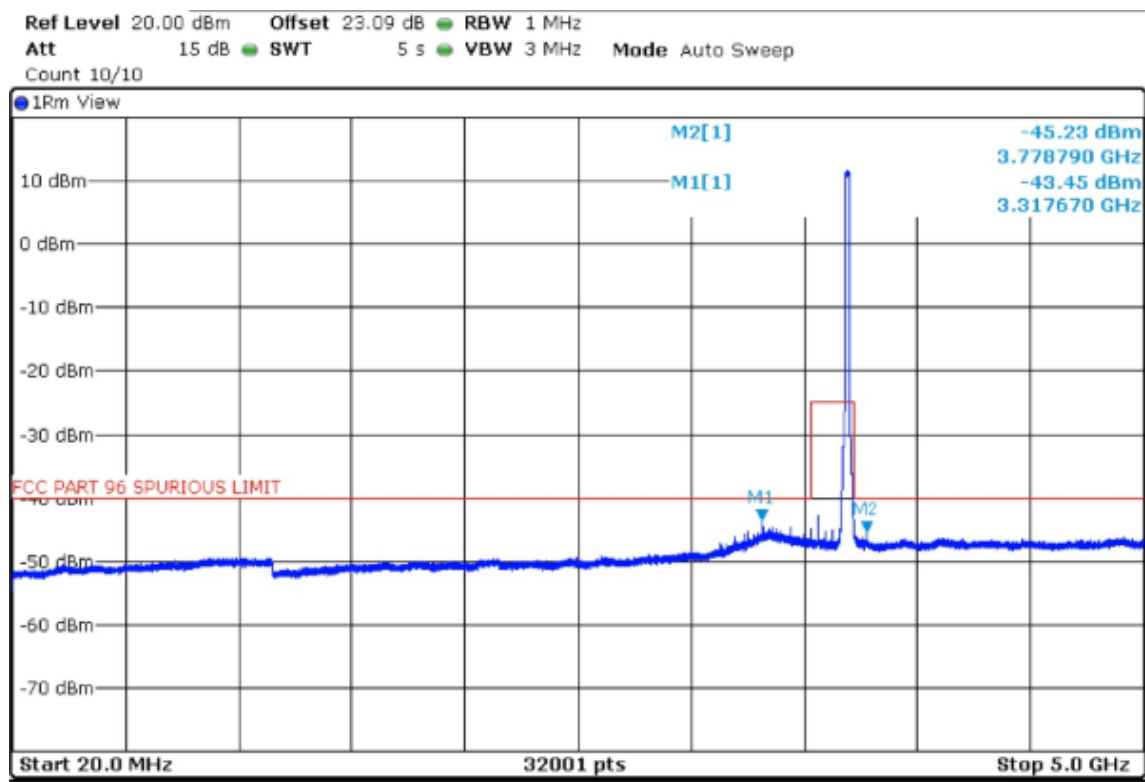


FREQUENCY RANGE 21-37 GHz

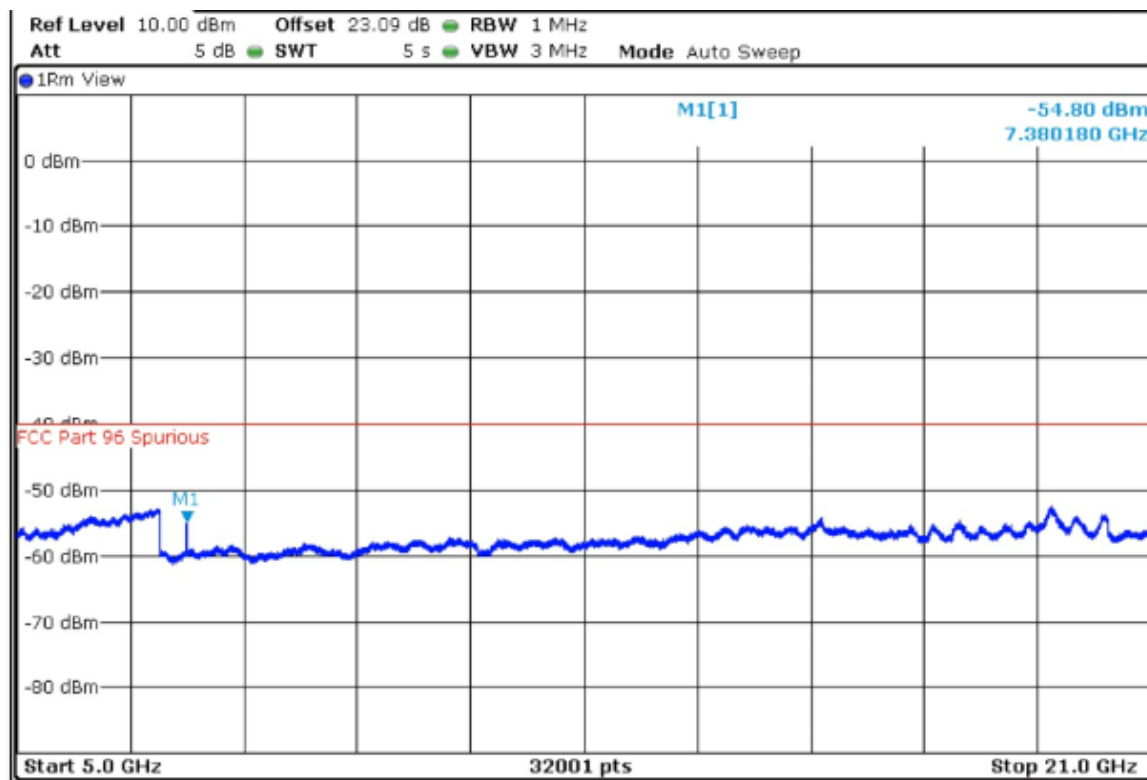


Highest Channel (3690 MHz)

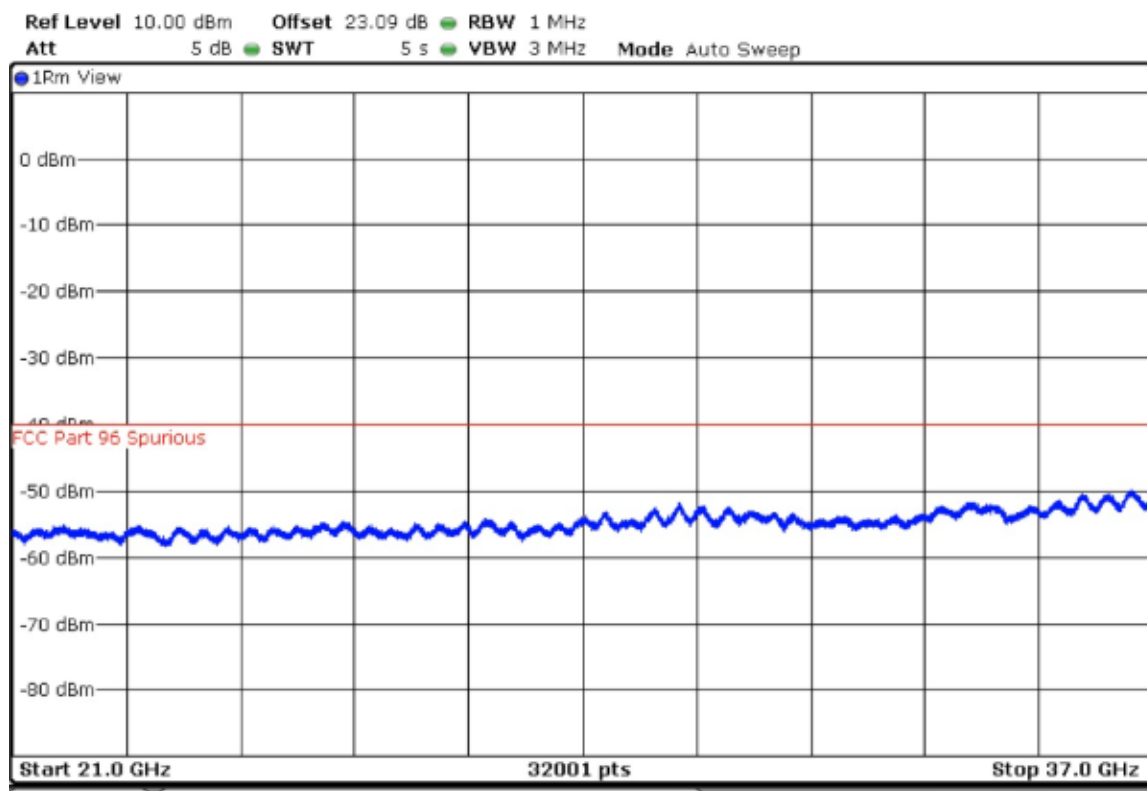
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz



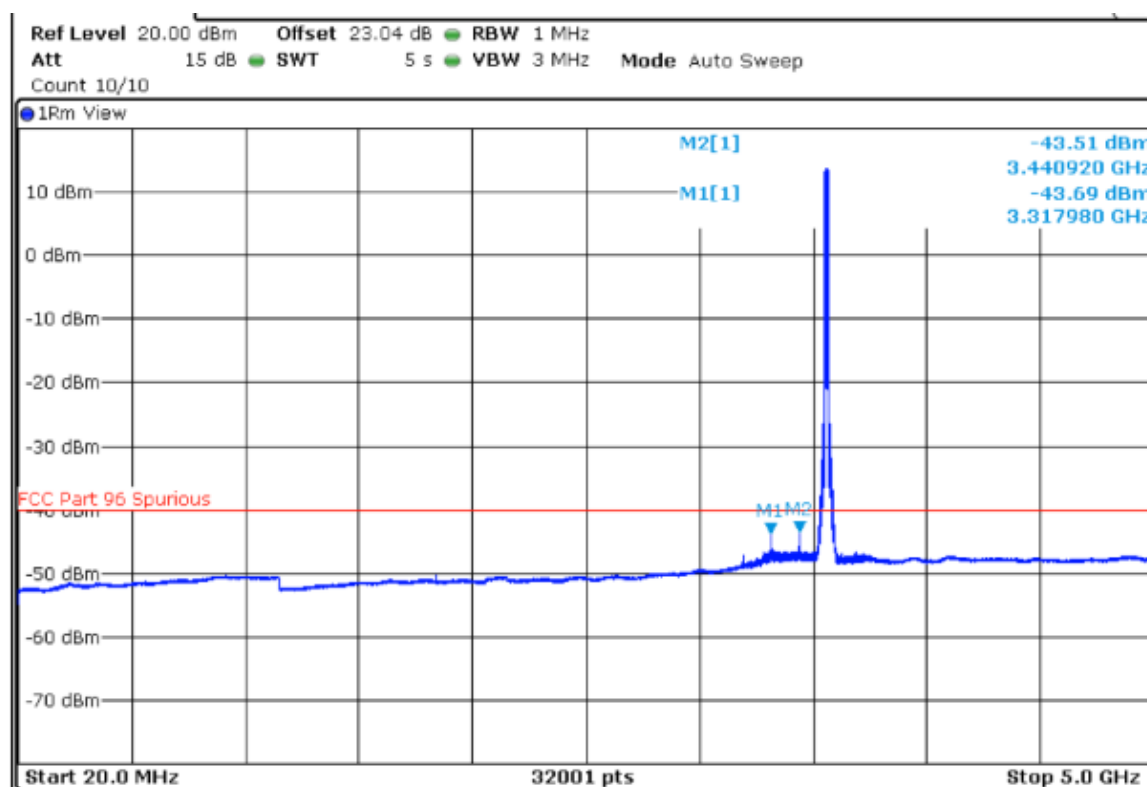
FREQUENCY RANGE 21-37 GHz



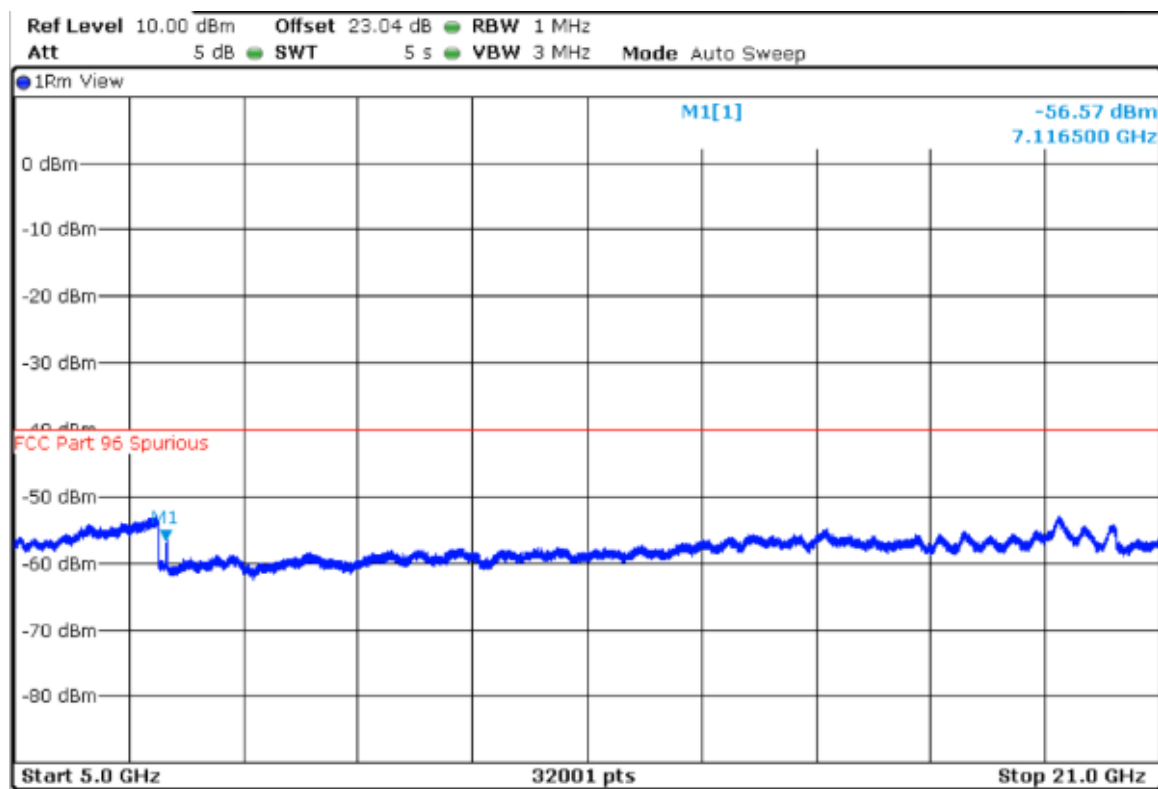
Port 4

Lowest Channel (3560 MHz)

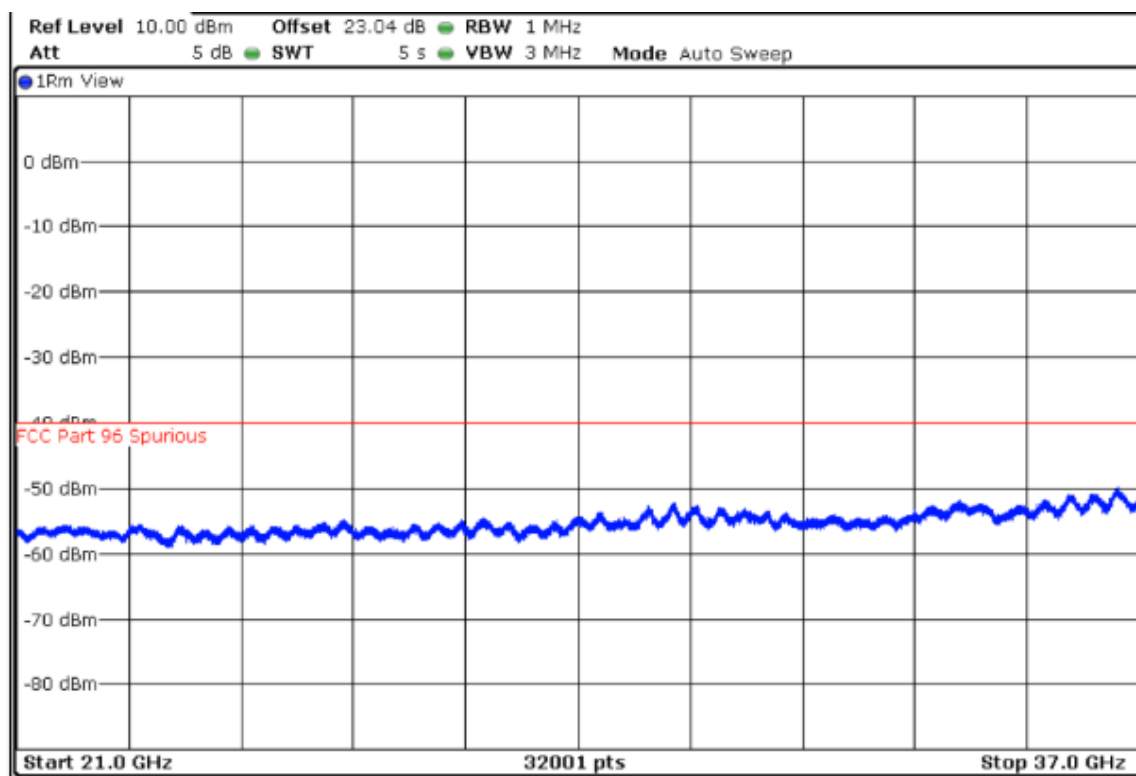
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz

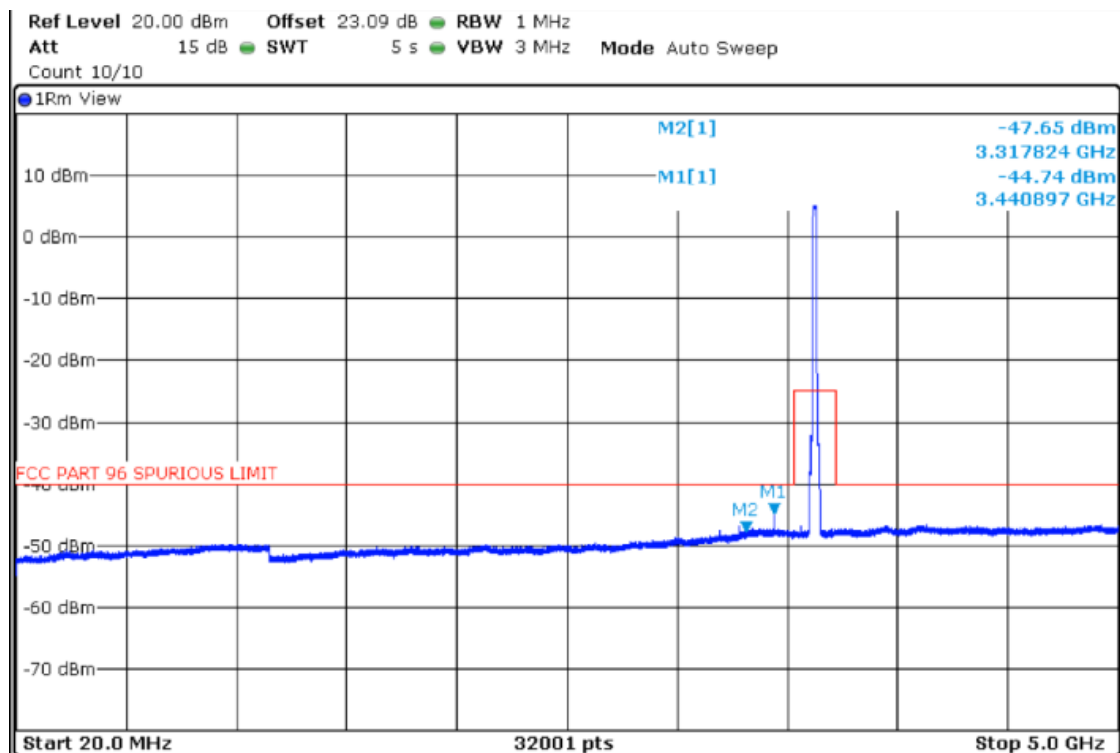


FREQUENCY RANGE 21-37 GHz

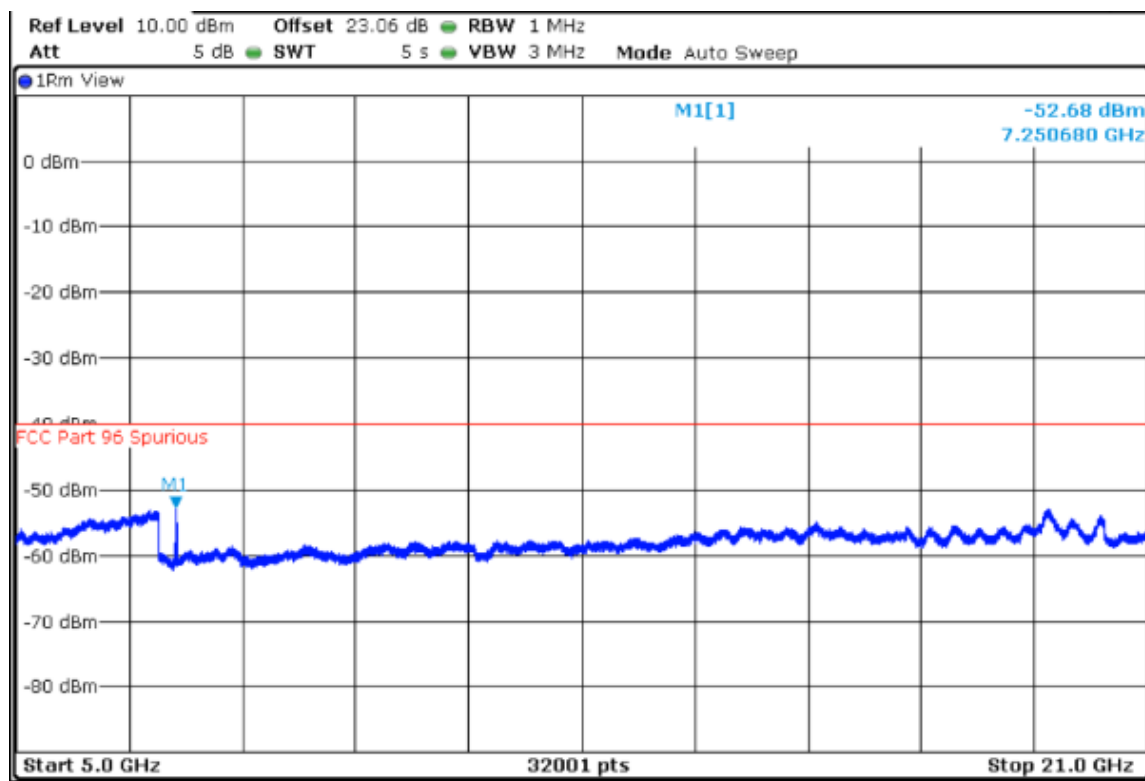


Middle Channel (3625 MHz)

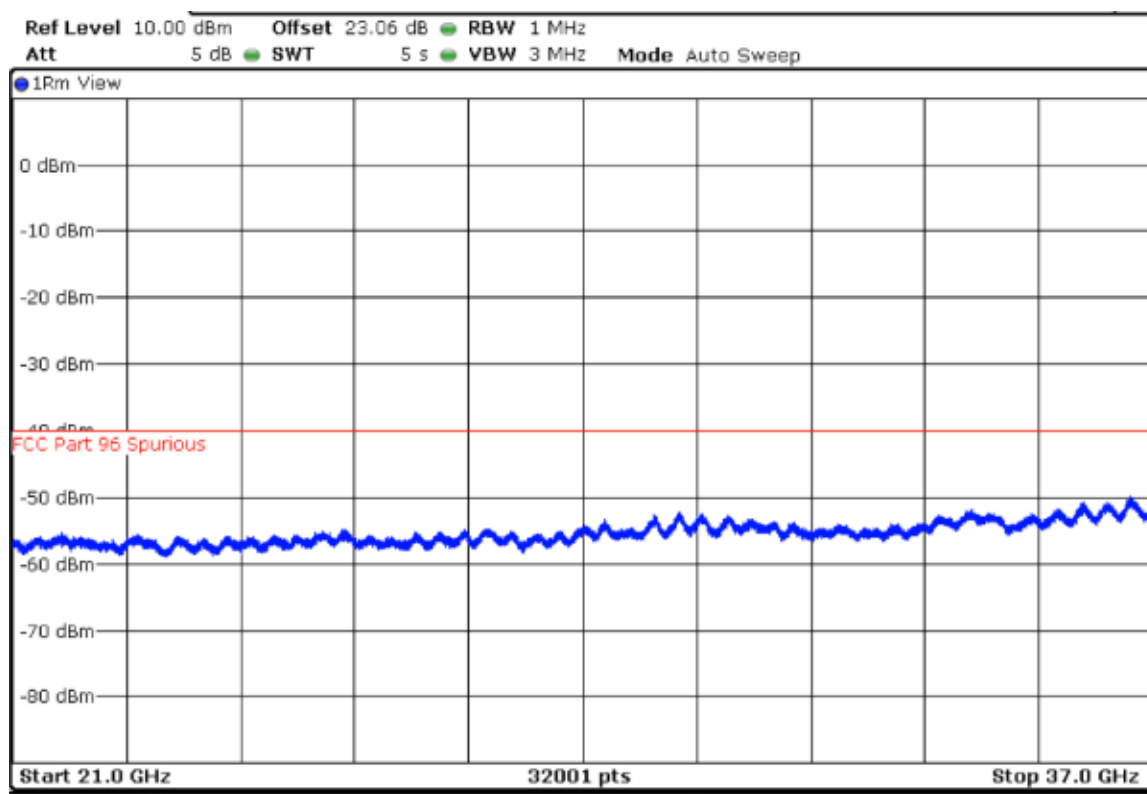
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz

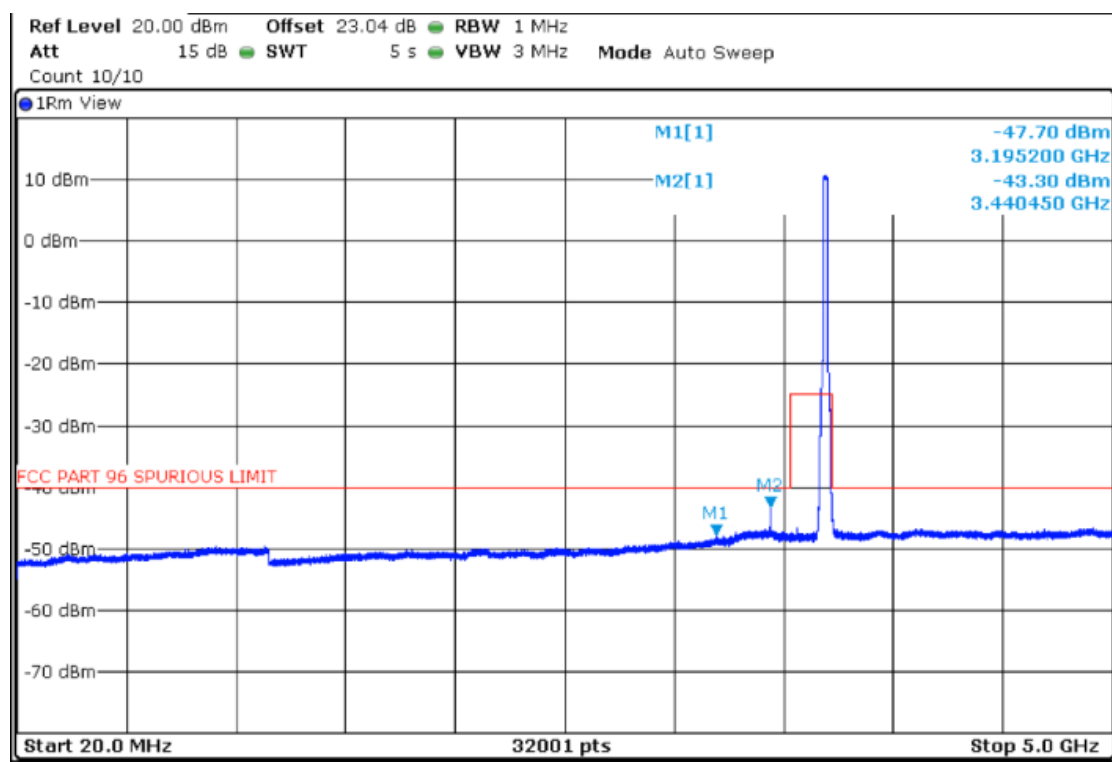


FREQUENCY RANGE 21-37 GHz

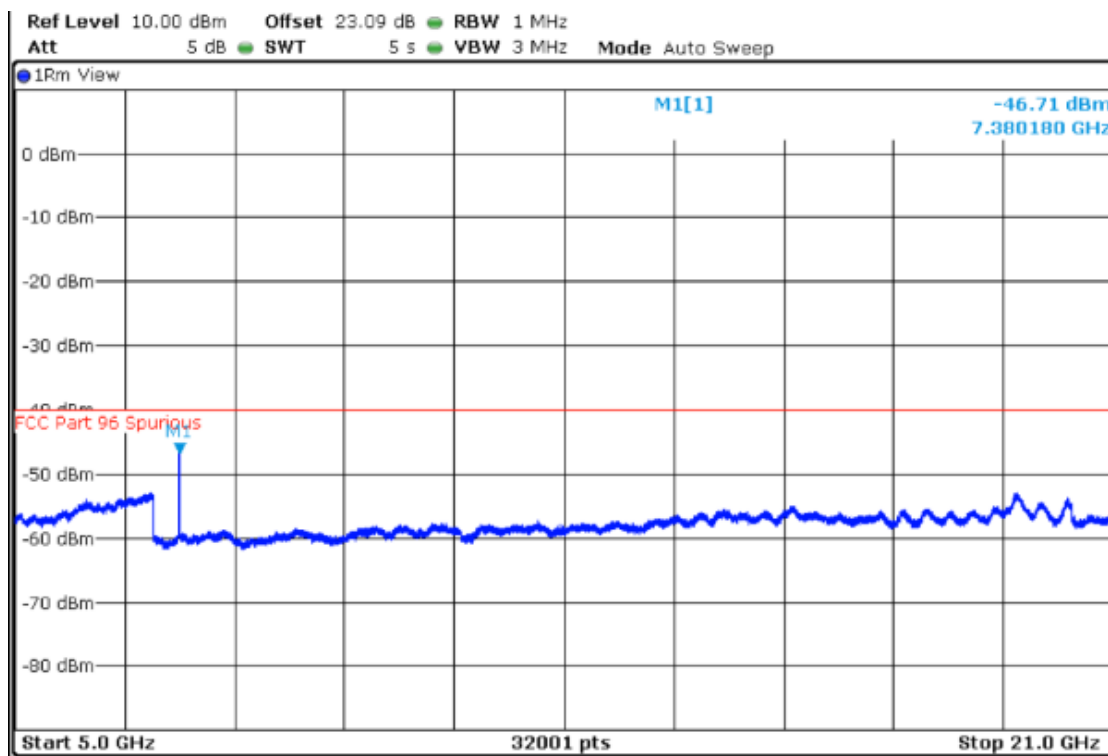


Highest Channel (3690 MHz)

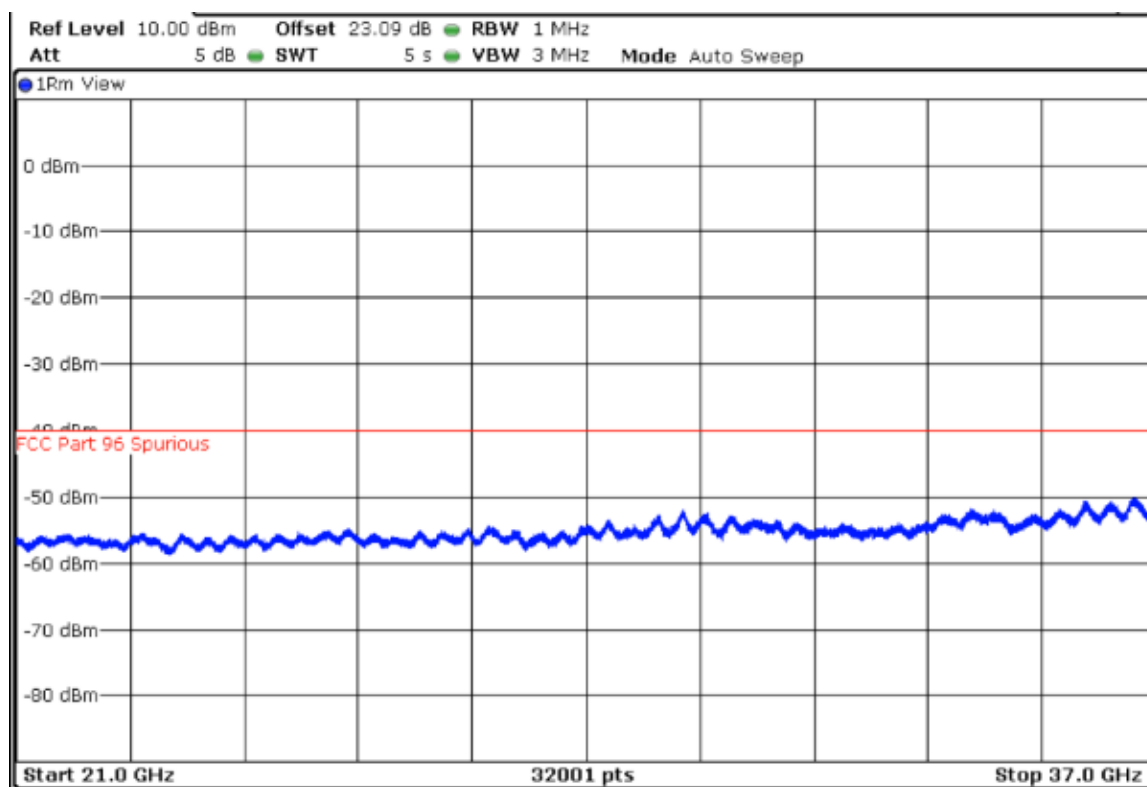
FREQUENCY RANGE 20 MHz-5 GHz



FREQUENCY RANGE 5-21 GHz



FREQUENCY RANGE 21-37 GHz



Section 2.1053. Radiated Spurious Emission

Measurements shall be made to detect spurious emissions that may be radiated directly from the cabinet, control circuits, power leads, or intermediate circuit elements under normal conditions of installation and operation.

Curves or equivalent data shall be supplied showing the magnitude of each harmonic and other spurious emission. For this test, single sideband, independent sideband, and controlled carrier transmitters shall be modulated under the conditions specified in paragraph (c) of § 2.1049, as appropriate.

The limits for radiated emissions are stated below.

- greater than 10 MHz above and below the assigned channel $\leq 70.2 \text{ dB}\mu\text{V/m}$ (-25 dBm/MHz: conducted limit)
- any emission below 3530 MHz and above 3720 MHz $\leq 55.2 \text{ dB}\mu\text{V/m}$ (-40 dBm/MHz: conducted limit)

The following 10 log (1/duty cycle) was added in RF level offset to get the accurate measured power level in the average power measurement.

The duty cycle correction = $10 \log (1/0.74) = 1.31 \text{ (dB)}$

The following measurements were performed at 3-meter distance when two ports transmitting at the same time in 2X2 MIMO mode as a worst case.

RESULTS

10MHz BW

FREQUENCY RANGE 30 MHz-1000 MHz

Lowest Channel (3555 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
45.132000	V	RMS	48.20	± 4.87
85.969000	V	RMS	48.41	± 4.87
98.967000	V	RMS	49.35	± 4.87
374.835000	V	RMS	48.63	± 4.87
420.134000	V	RMS	52.01	± 4.87

Middle Channel (3625 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
47.460000	V	RMS	47.55	± 4.87
85.096000	H	RMS	49.59	± 4.87
100.325000	V	RMS	48.08	± 4.87
117.591000	V	RMS	46.41	± 4.87
245.534000	H	RMS	40.73	± 4.87
375.223000	V	RMS	47.84	± 4.87

Highest Channel (3695 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
69.964000	V	RMS	43.60	± 4.87
94.020000	V	RMS	49.37	± 4.87
100.034000	V	RMS	47.98	± 4.87
133.499000	V	RMS	43.74	± 4.87
374.932000	V	RMS	49.46	± 4.87
938.890000	V	RMS	49.29	± 4.87

FREQUENCY RANGE 1-18 GHz

Lowest Channel (3555 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
7113.09375000	H	RMS	53.77	± 4.87
14218.0312500	H	RMS	44.48	± 4.87

Middle Channel (3625 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
7254.937500	H	RMS	51.90	± 4.87

Highest Channel (3695 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
7388.281250	H	RMS	53.25	± 4.87

FREQUENCY RANGE 18-40 GHz

No radiated spurious signal was detected at less than 20 dB respect to the limit for the lowest, middle and highest channels.

20MHz BW

FREQUENCY RANGE 30 MHz-1000 MHz

Lowest Channel (3560 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
52.407000	V	RMS	47.64	± 4.87
80.440000	V	RMS	45.31	± 4.87
132.723000	V	RMS	42.54	± 4.87
245.631000	H	RMS	47.82	± 4.87
375.029000	V	RMS	48.80	± 4.87
874.870000	V	RMS	40.58	± 4.87

Middle Channel (3625 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
49.012000	V	RMS	45.92	± 4.87
84.708000	V	RMS	49.17	± 4.87
117.397000	V	RMS	46.89	± 4.87
245.825000	H	RMS	44.20	± 4.87
375.029000	H	RMS	47.43	± 4.87

Highest Channel (3690 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
52.407000	V	RMS	48.32	± 4.87
93.923000	V	RMS	44.58	± 4.87
130.492000	V	RMS	43.31	± 4.87
245.728000	H	RMS	47.93	± 4.87
374.738000	V	RMS	49.38	± 4.87

REQUENCY RANGE 1-18 GHz

Lowest Channel (3560 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
7120.531250	V	RMS	42.36	± 4.87

Middle Channel (3625 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
7246.968750	H	RMS	50.17	± 4.87
14496.406250	H	RMS	42.69	± 4.87

Highest Channel (3690 MHz)

Spurious frequency (MHz)	Polarization	Detector	Emission Level (dB μ V/m)	Measurement Uncertainty (dB)
7371.281250	V	RMS	37.99	± 4.87

FREQUENCY RANGE 18-40 GHz

No radiated spurious signal was detected at less than 20 dB respect to the limit for the lowest, middle and highest channels.

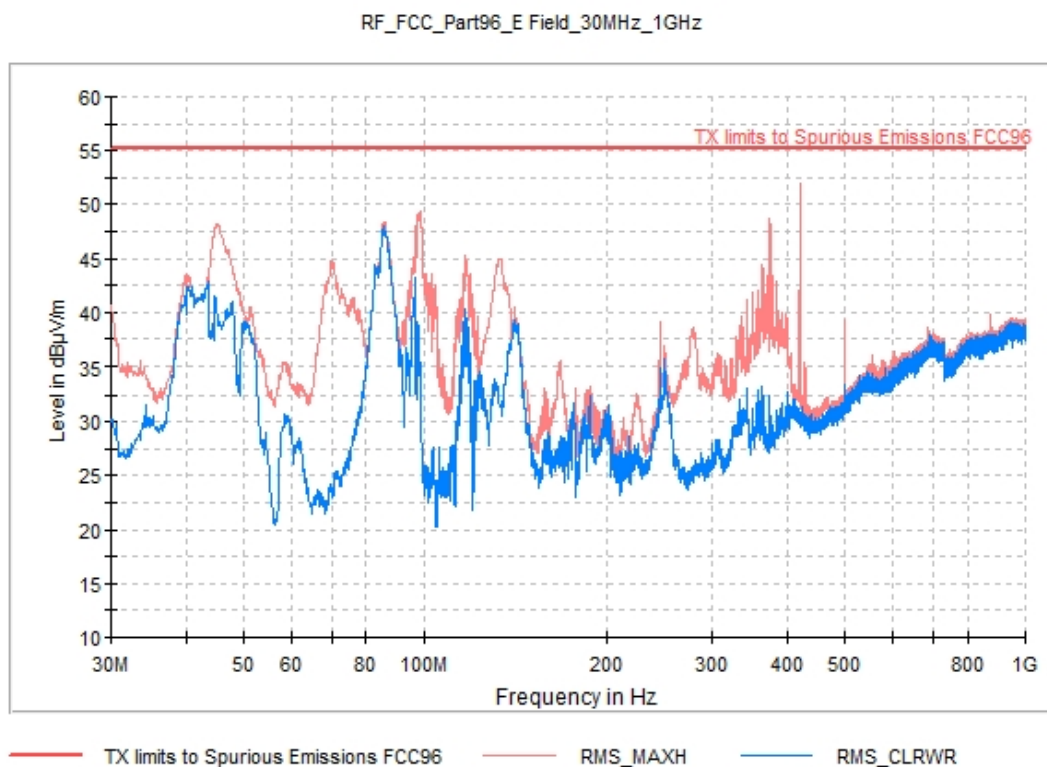
Verdict: PASS

(See the next plots)

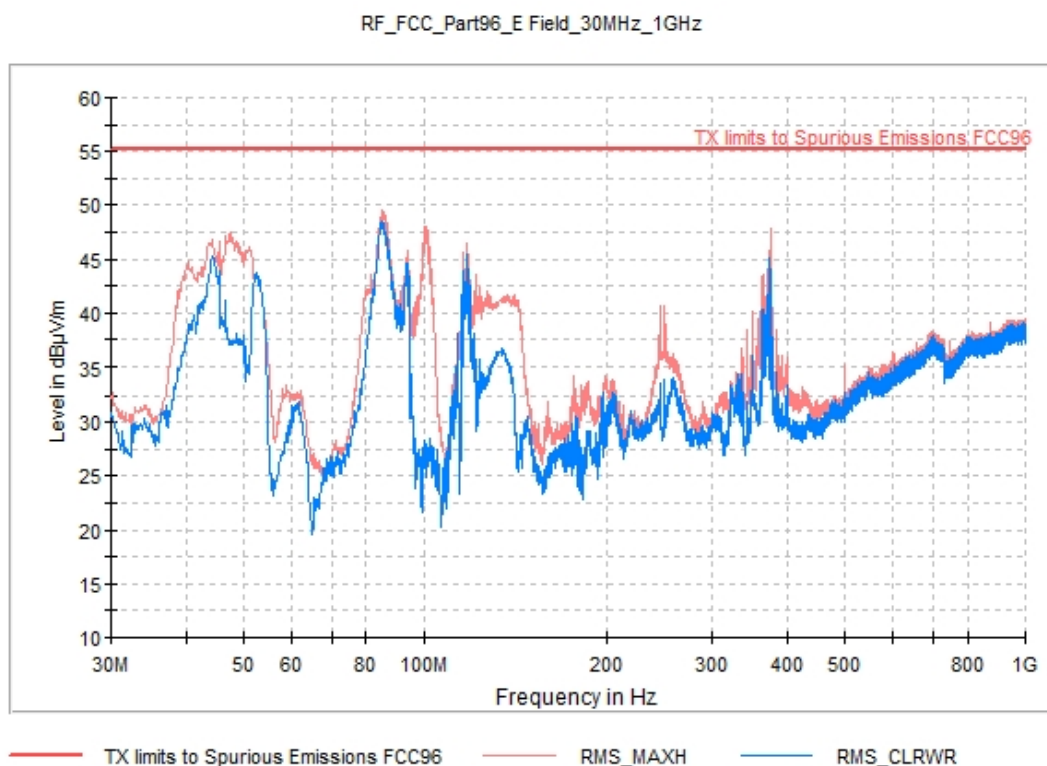
10MHz BW

FREQUENCY RANGE 30 MHz-1000 MHz

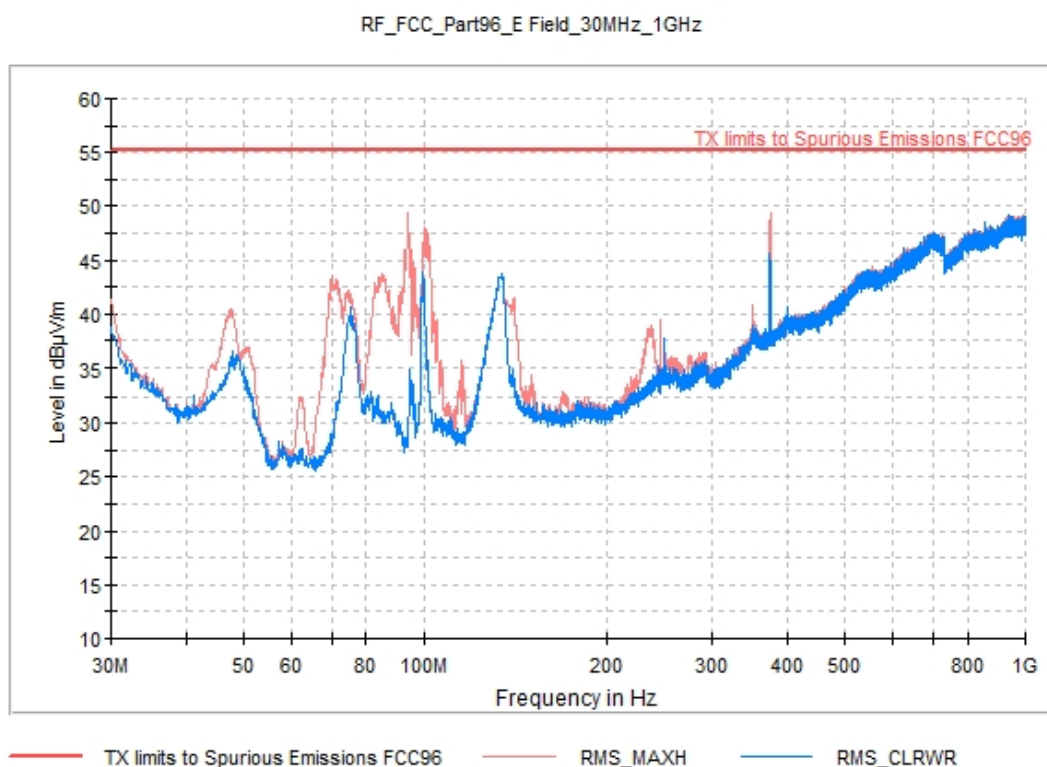
Lowest Channel (3555 MHz)



Middle Channel (3625 MHz)

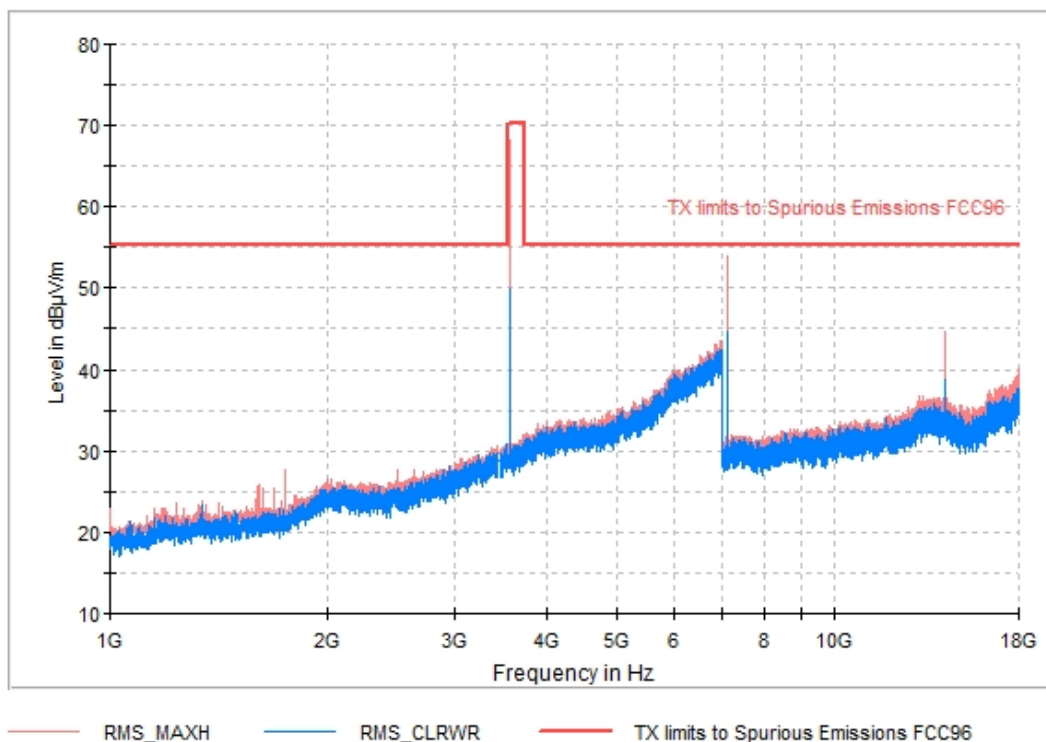


Highest Channel (3695 MHz)

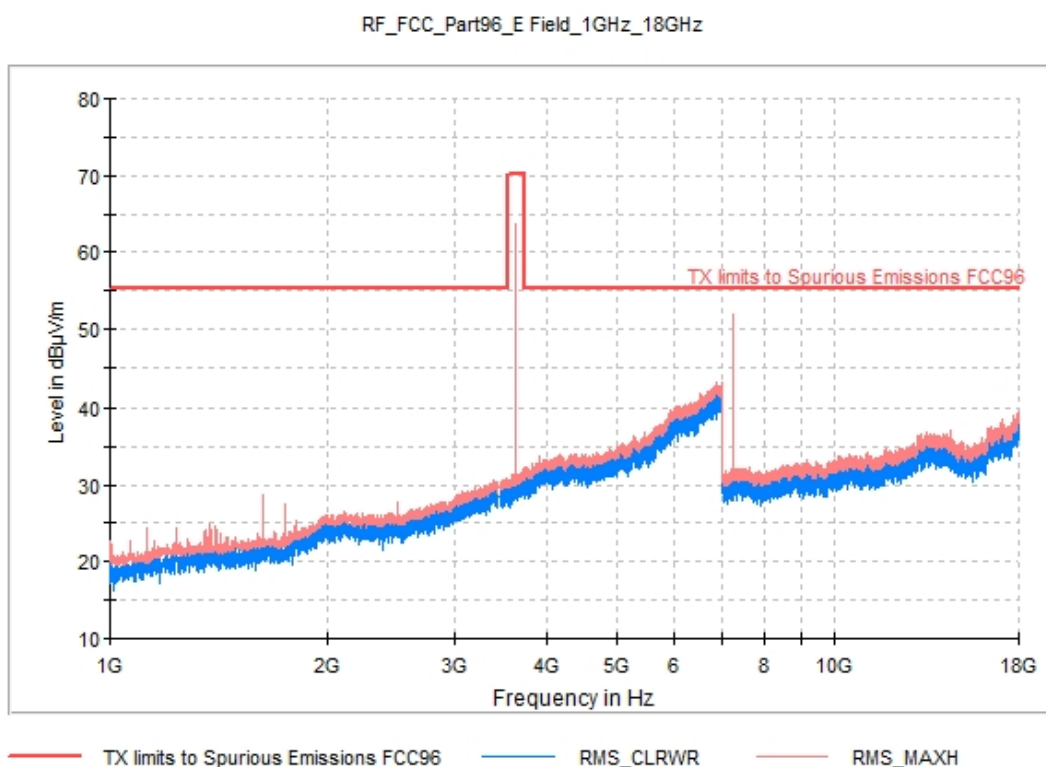


FREQUENCY RANGE 1-18 GHz

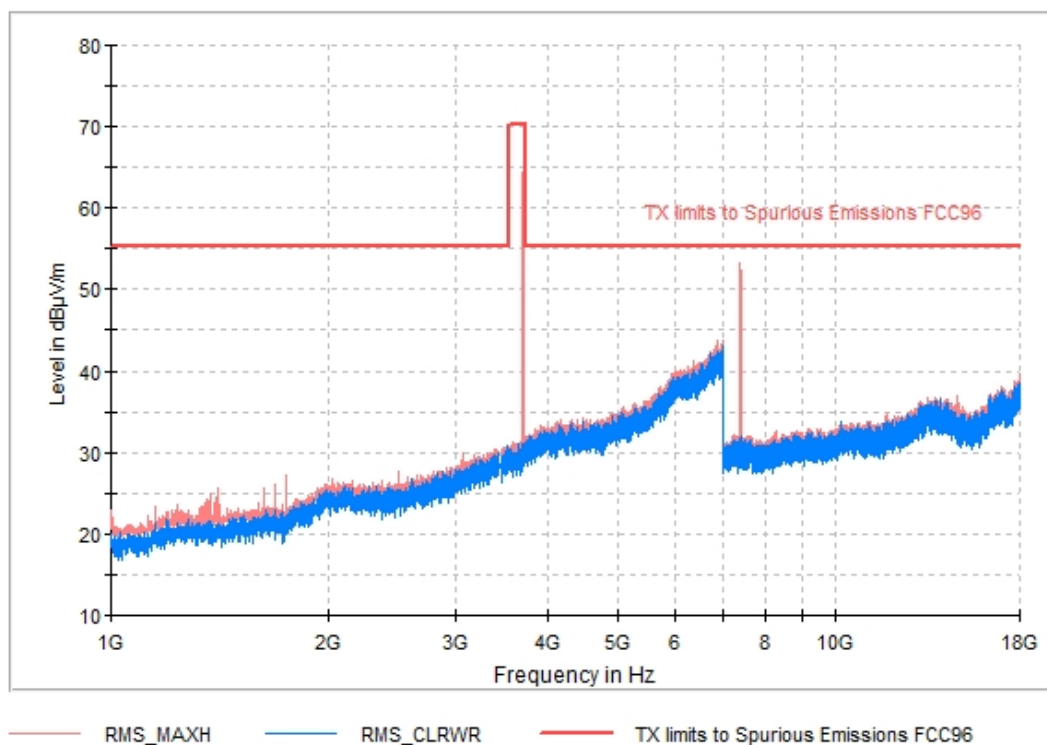
Lowest Channel (3555 MHz)



Middle Channel (3625 MHz)



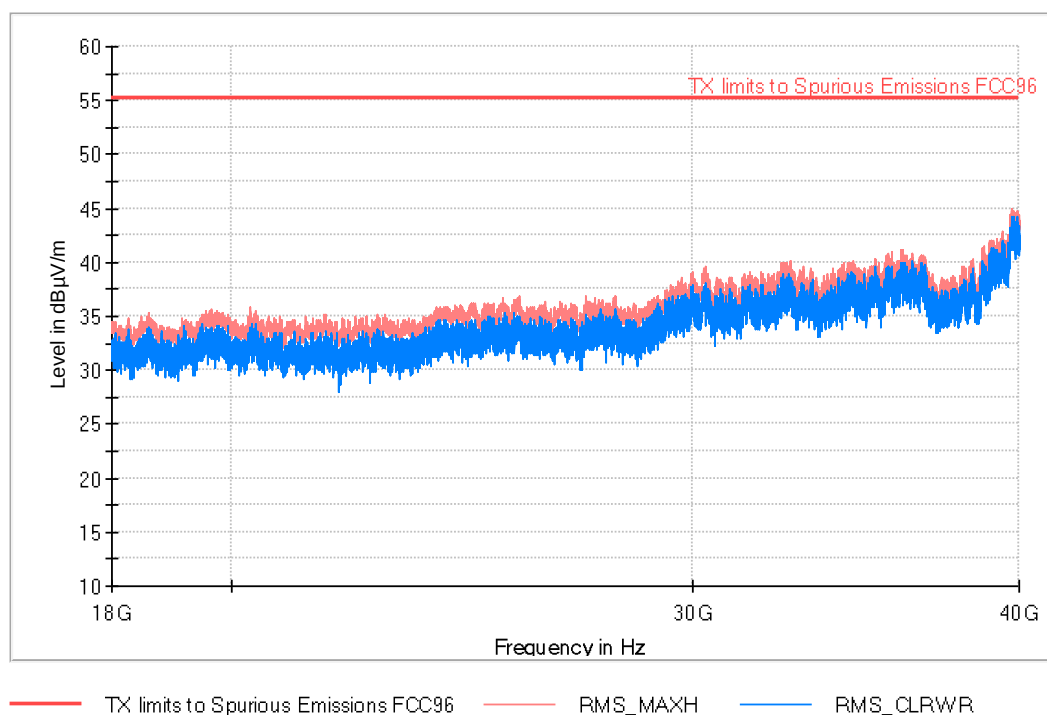
Highest Channel (3695 MHz)



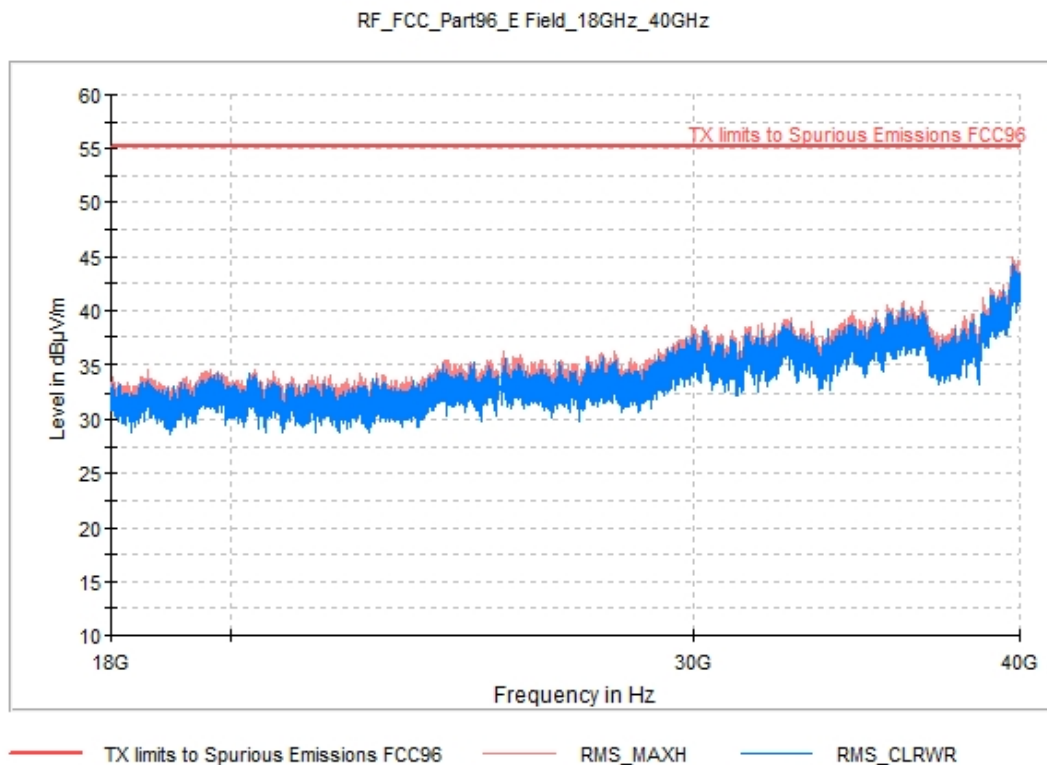
FREQUENCY RANGE 18-40 GHz

Lowest channel: 3555MHz

RF_FCC_Part96_E Field_18GHz_40GHz



Middle Channel (3625 MHz)



Highest Channel (3695 MHz)

