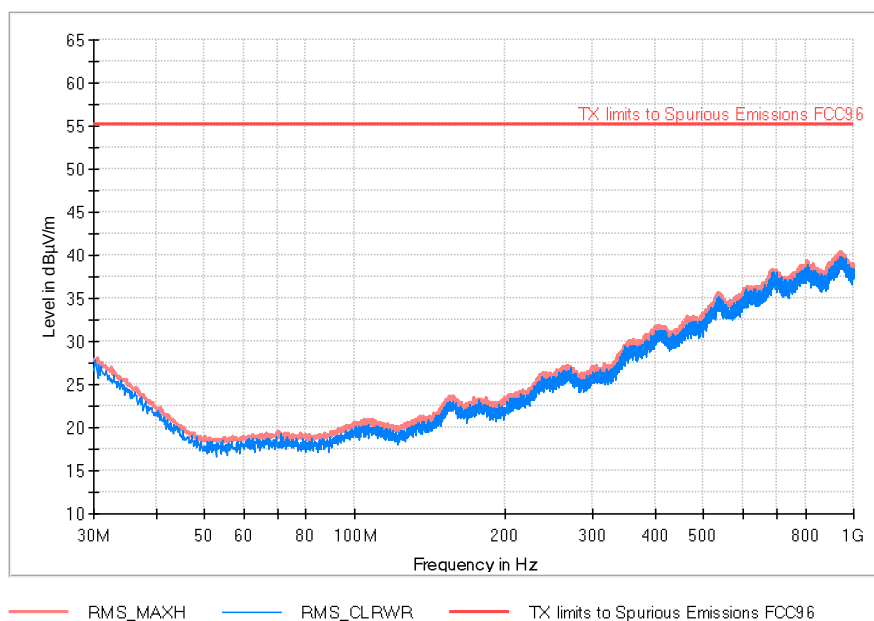


TEST RESULTS (Cont.):

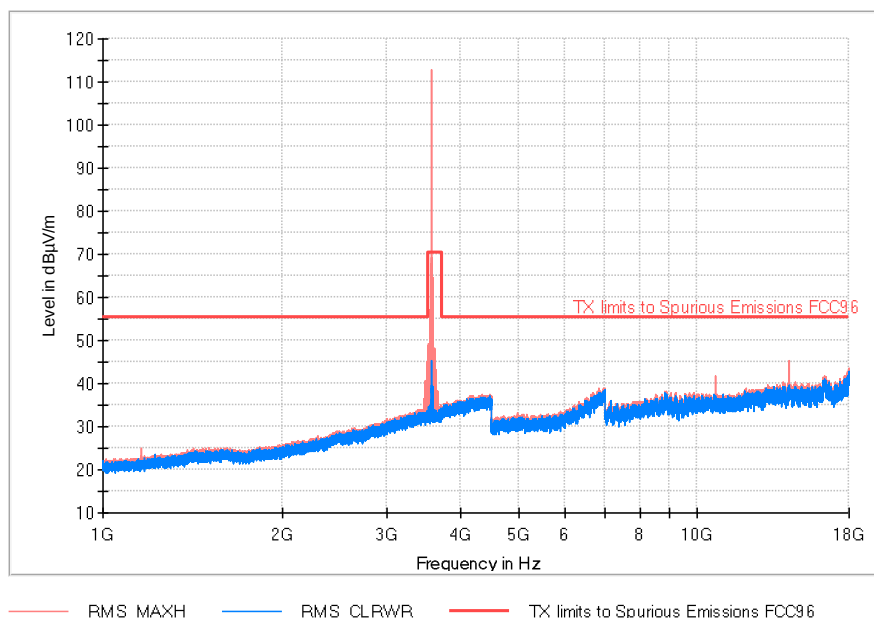
Middle Channel (3575 MHz)

5 MHz BW

FREQUENCY RANGE 30 MHz-1 GHz

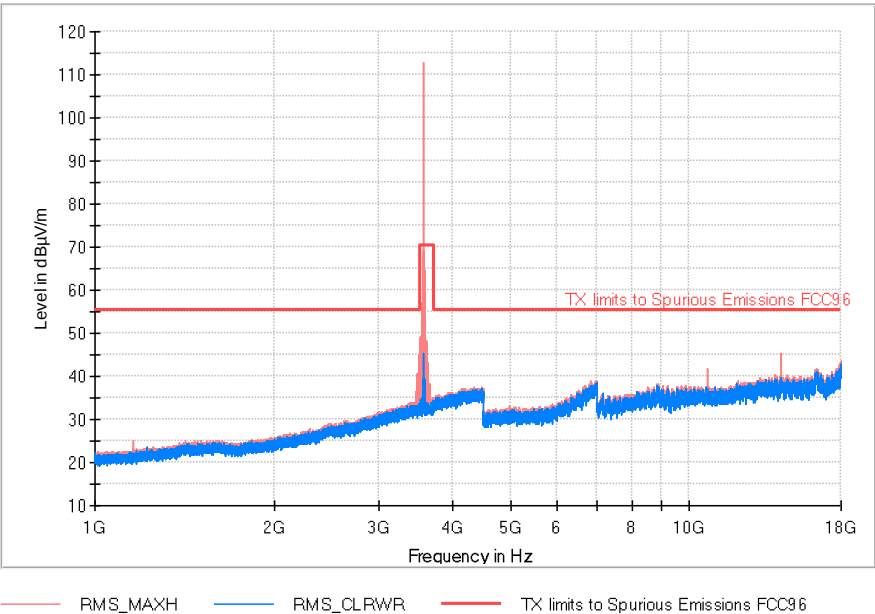


FREQUENCY RANGE 1 GHz-18 GHz



TEST RESULTS (Cont.):

FREQUENCY RANGE 18 GHz-40 GHz

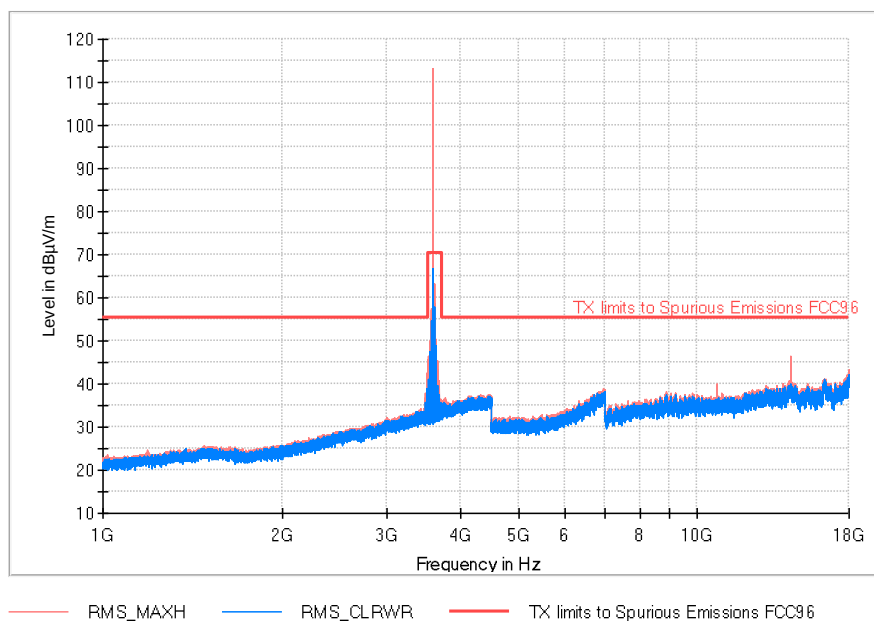


TEST RESULTS (Cont.):

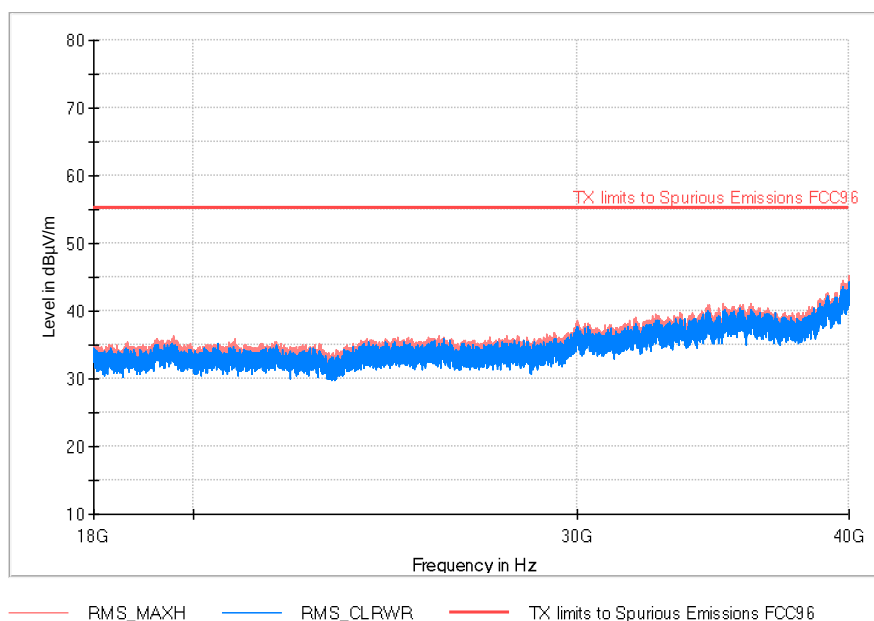
Highest Channel (3597.5 MHz)

5 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

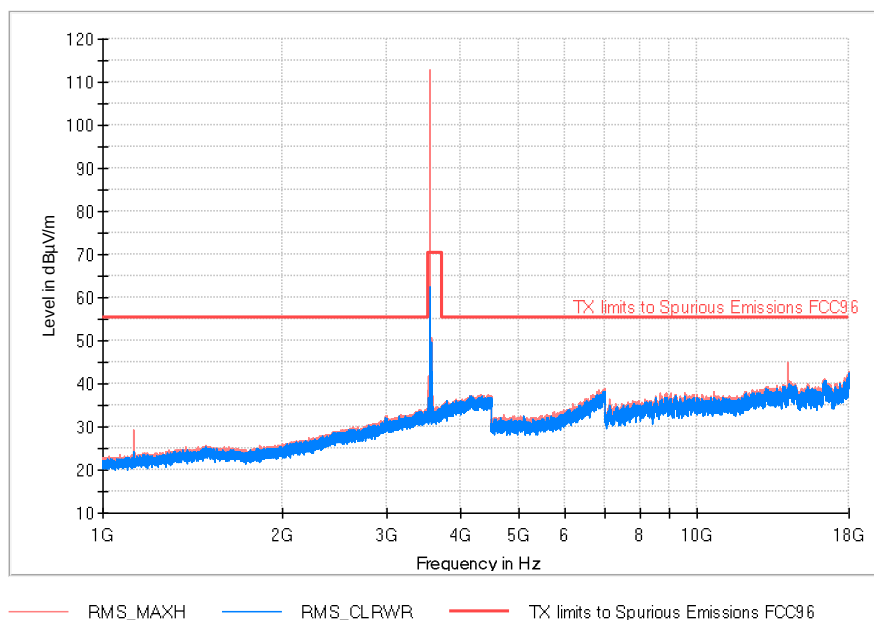


TEST RESULTS (Cont.):

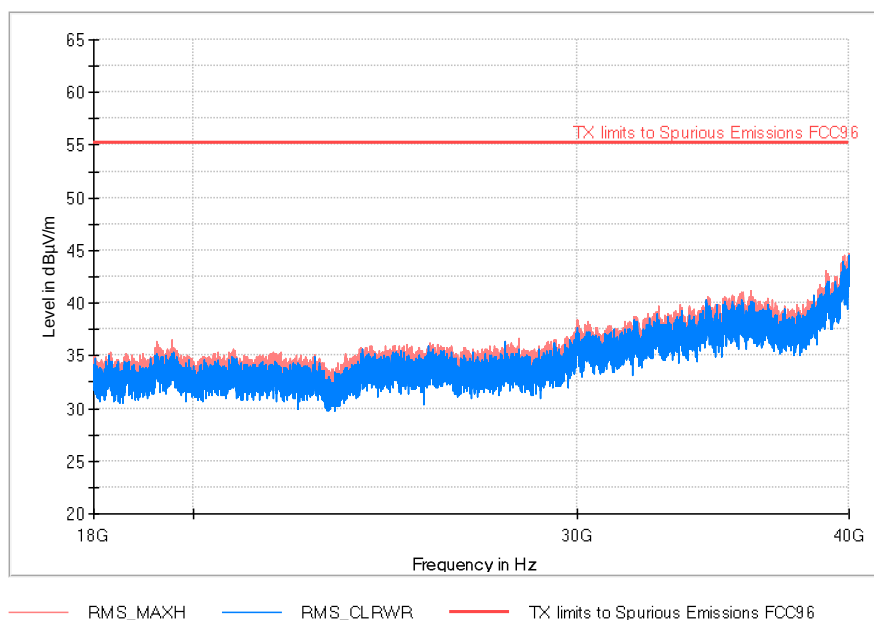
Lowest Channel (3555 MHz)

10 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

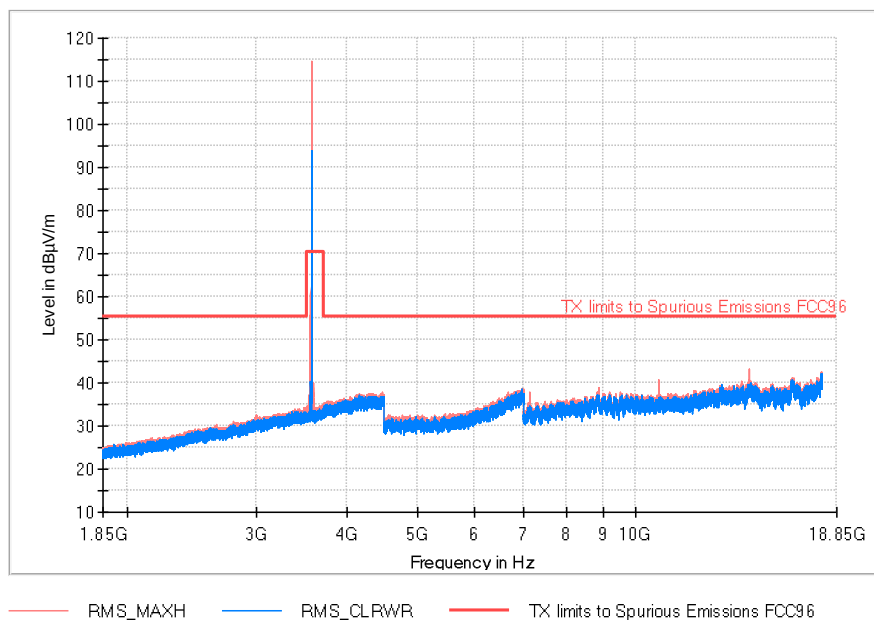


TEST RESULTS (Cont.):

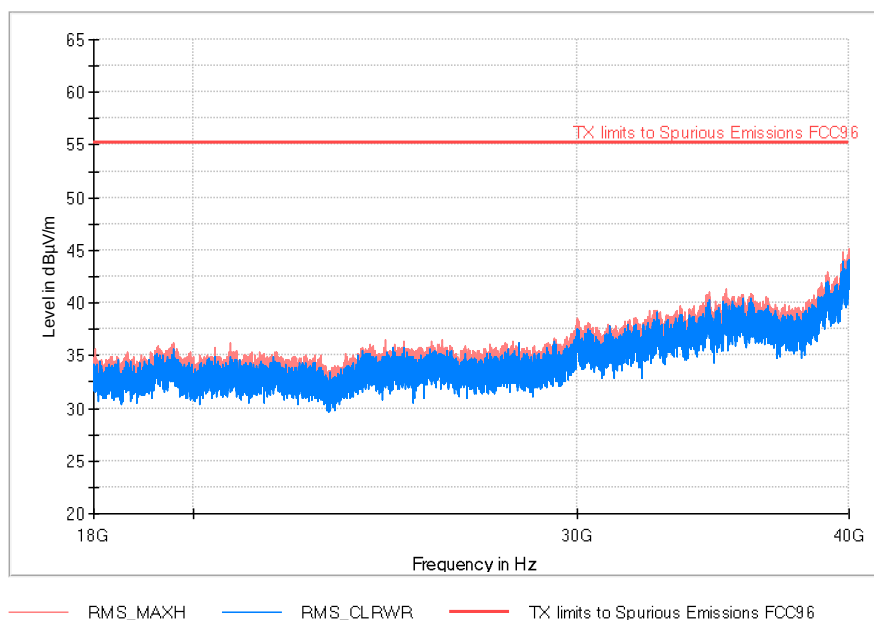
Middle Channel (3575 MHz)

10 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

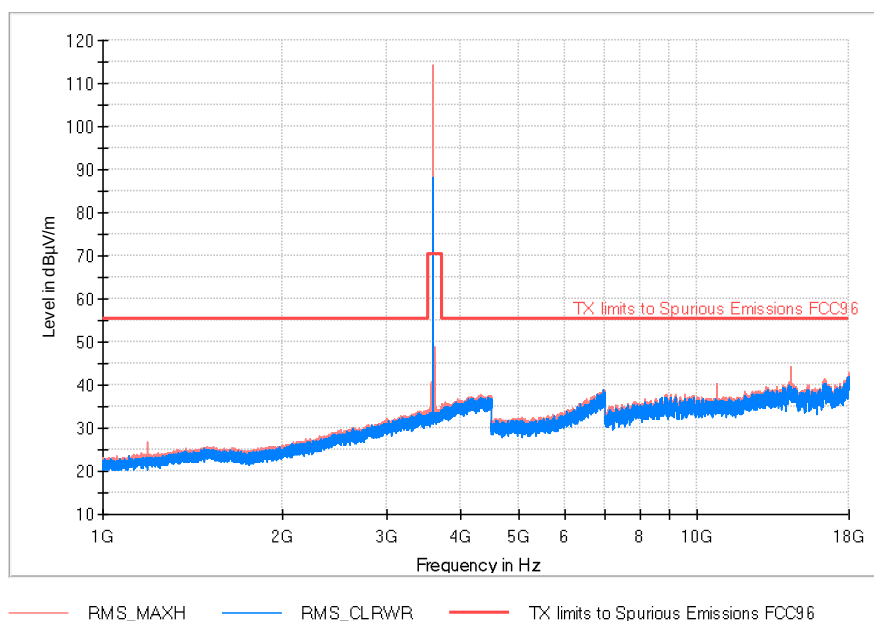


TEST RESULTS (Cont.):

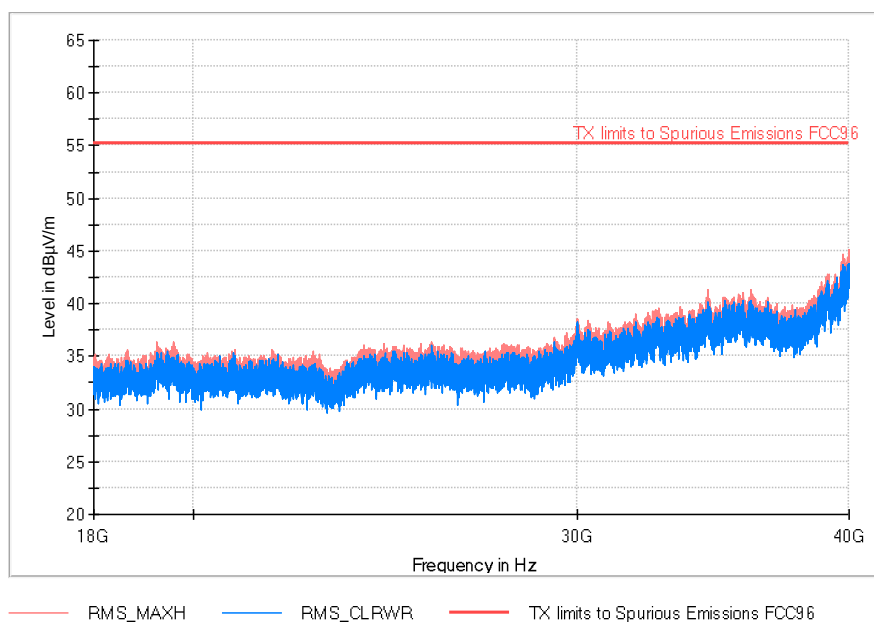
Highest Channel (3595 MHz)

10 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

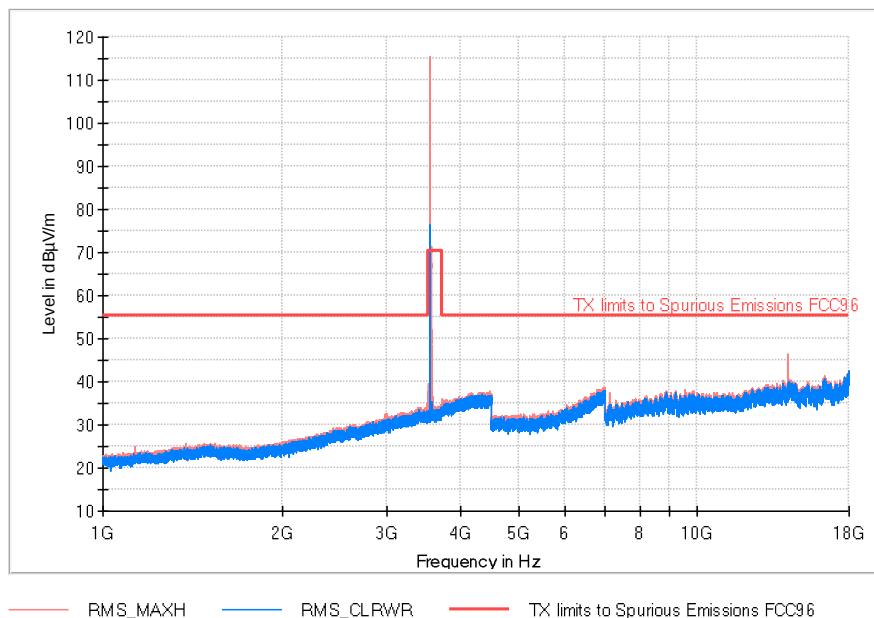


TEST RESULTS (Cont.):

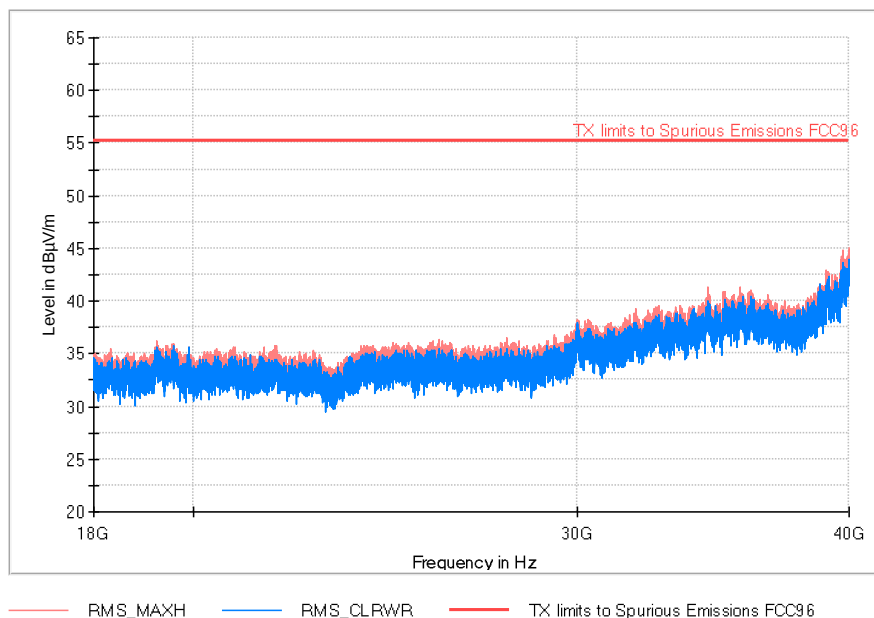
Lowest Channel (3557.5 MHz)

15 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

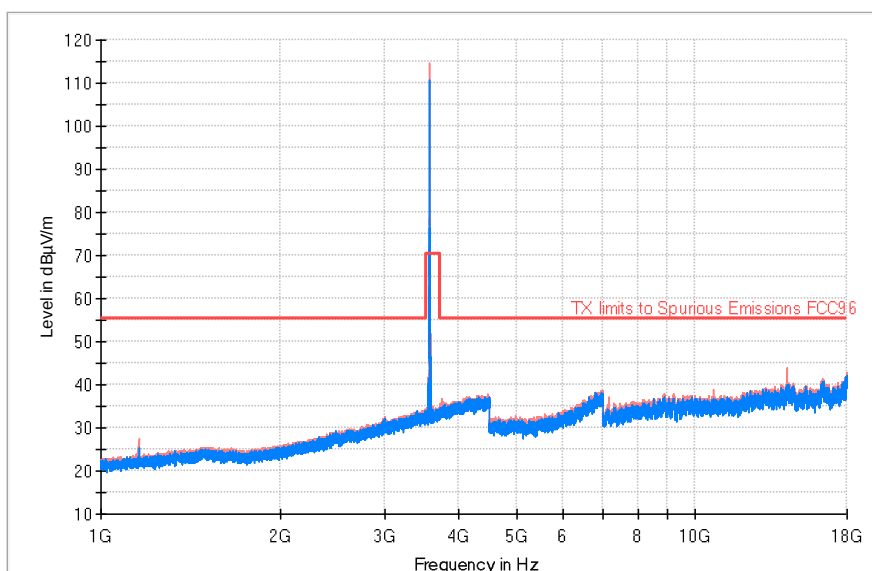


TEST RESULTS (Cont.):

Middle Channel (3575 MHz)

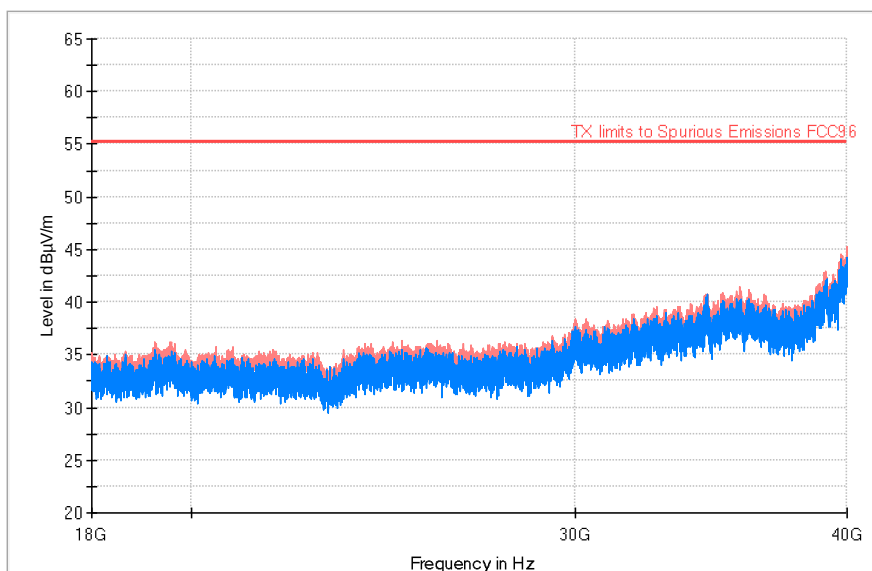
15 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



— RMS_MAXH — RMS_CLRWR — TX limits to Spurious Emissions FCC96

FREQUENCY RANGE 18 GHz-40 GHz



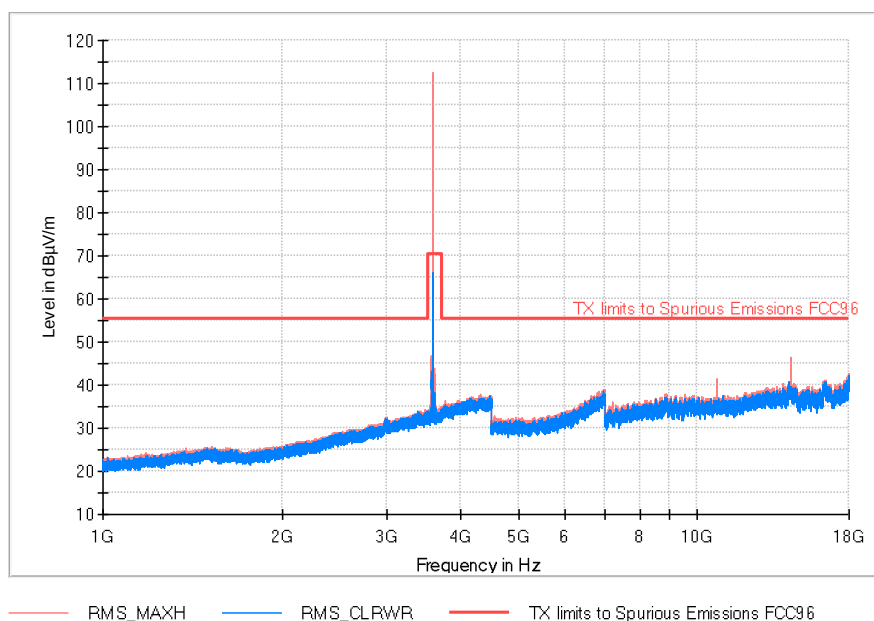
— RMS_MAXH — RMS_CLRWR — TX limits to Spurious Emissions FCC96

TEST RESULTS (Cont.):

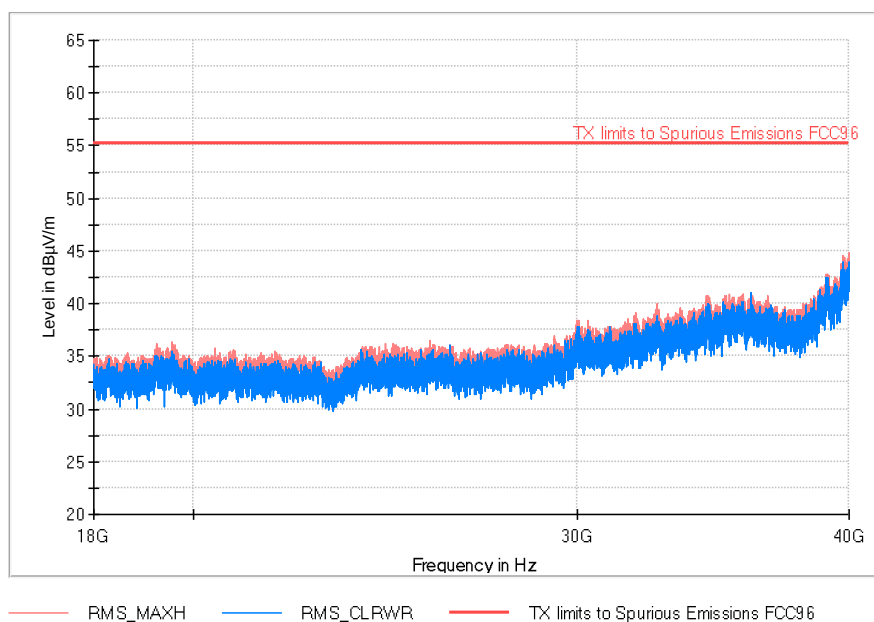
Highest Channel (3592.5 MHz)

15 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

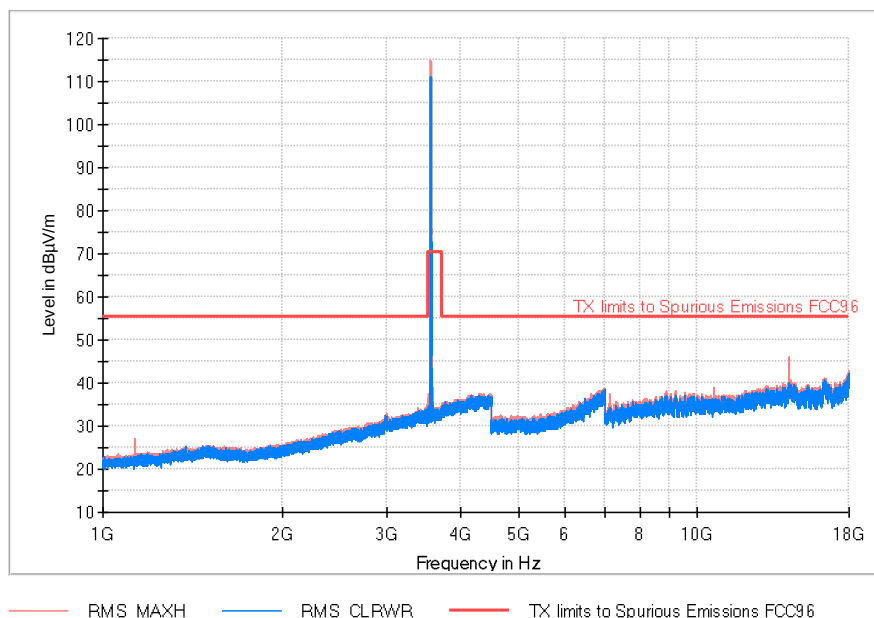


TEST RESULTS (Cont.):

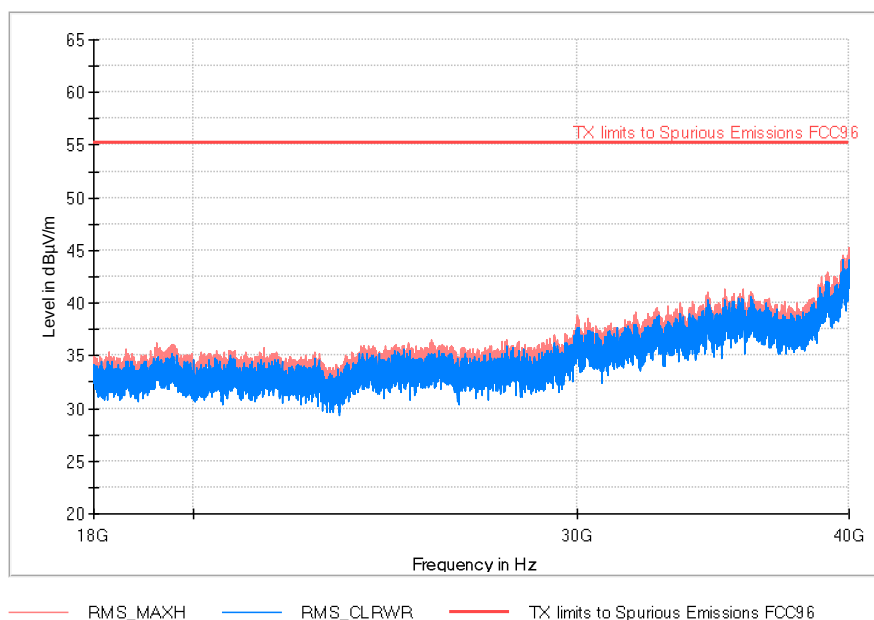
Lowest Channel (3560 MHz)

20 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

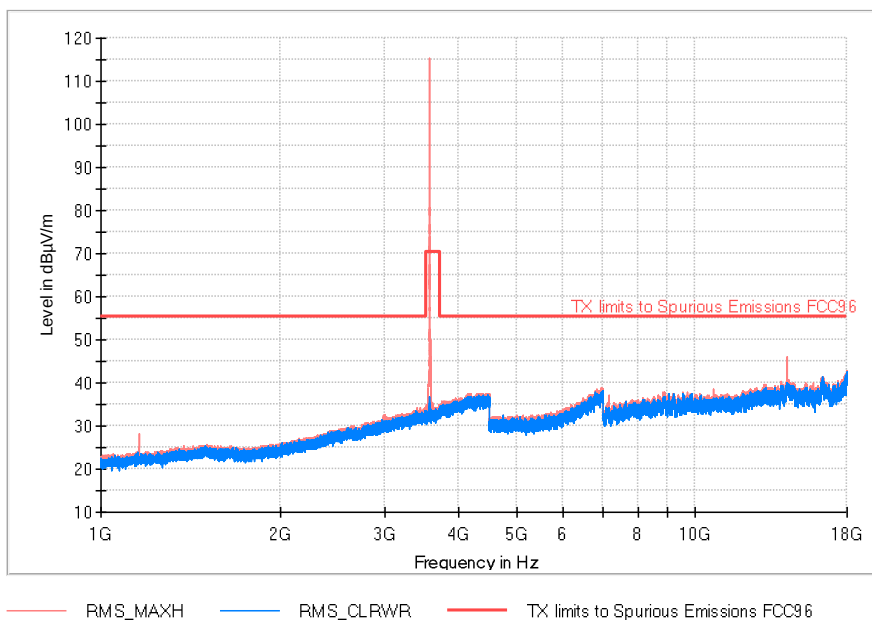


TEST RESULTS (Cont.):

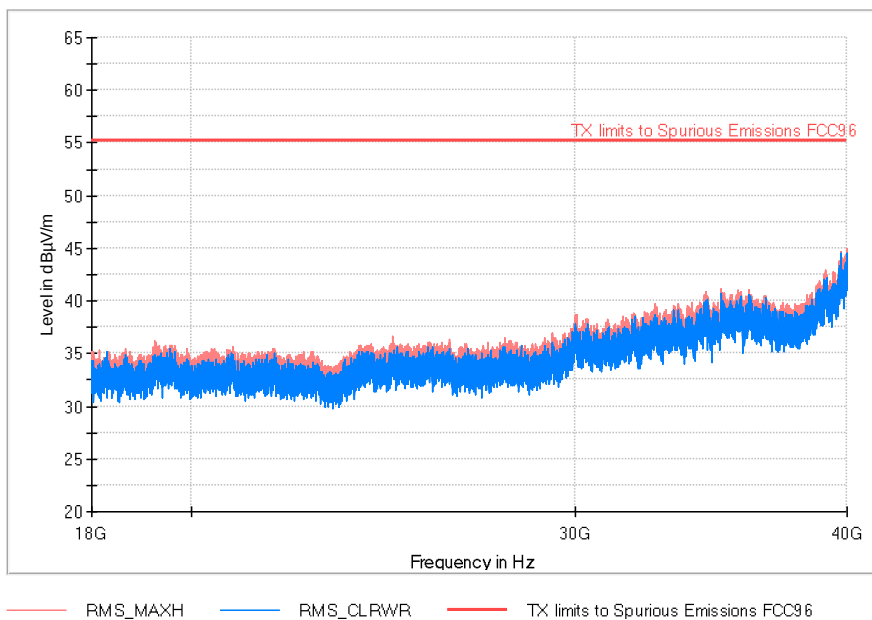
Middle Channel (3575 MHz)

20 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

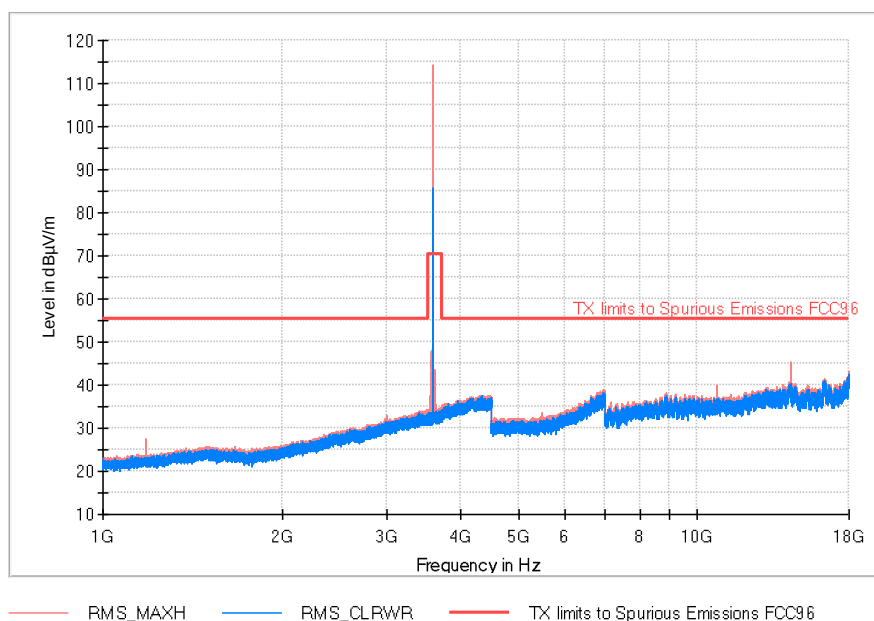


TEST RESULTS (Cont.):

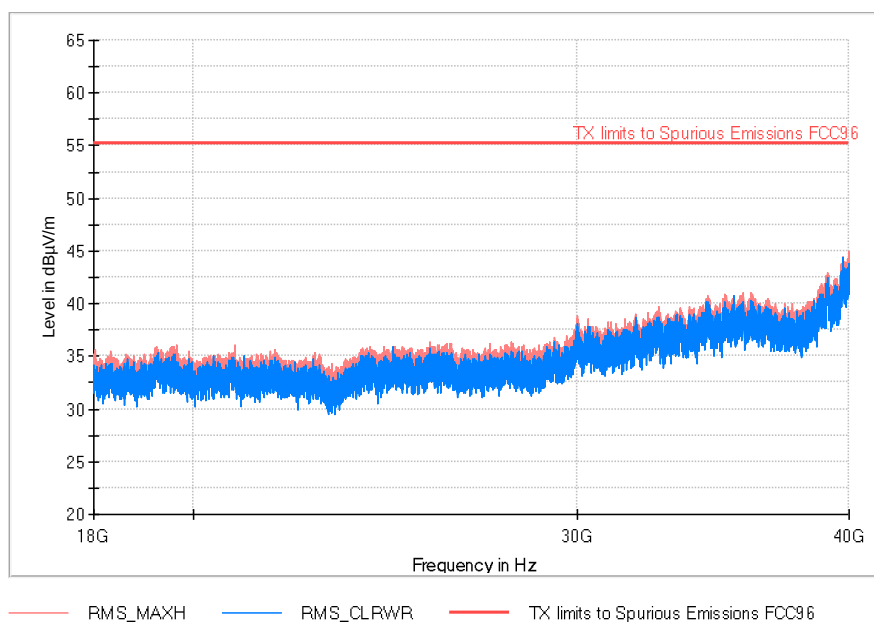
Highest Channel (3590 MHz)

20 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (Band 43)
TEST RESULTS:	PASS

Frequency range 30 MHz – 1000 MHz

The spurious emissions below 1 GHz do not depend on the operating channel selected in the EUT.

Radiated spurious signal was detected at less than 20 dB respect to the limit for the lowest, middle and highest channels in all four BWs. The plots are shown only for 5 MHz BW middle channel as a worst case.

Frequency range 1 GHz – 18 GHz

Radiated spurious signal was detected at less than 20 dB respect to the limit for the lowest, middle and highest channels in all four BWs.

Frequency range 18 GHz – 40 GHz

Radiated spurious signal was detected at less than 20 dB respect to the limit for the lowest, middle and highest channels in all four BWs

5 MHz BW

Lowest Channel (3602.5 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)	Comment
3602.600000	113.6	V	---	---	Fundamental
14409.964286	42.7	V	12.5	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
36081.250000	41.1	H	14.1	55.2

Middle Channel (3650 MHz)

Frequency range 30 MHz – 1000 MHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
811.529000	39.1	V	16.1	55.2
948.881000	40.5	V	14.7	55.2

TEST RESULTS (Cont.):

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
3650.025000	112.9	V	---	---
7299.803572	40.8	V	14.4	55.2
10950.10714	42.7	V	12.5	55.2
14599.92857	41.9	V	13.3	55.2

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
36499.250000	39.9	V	15.3	55.2

Highest Channel (3697.5 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)	Comment
3697.275000	112.9	V	---	---	Fundamental
3719.850000	52.0	V	18.2	70.2	
3720.200000	50.8	V	4.4	55.2	
11092.339286	41.4	V	13.8	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
32655.437500	39.8	H	15.4	55.2

10 MHz BW

Lowest Channel (3605 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)	Comment
3604.875000	113.6	V	---	---	Fundamental
10814.625000	42.2	V	13.0	55.2	
14419.607143	43.9	V	11.3	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
36065.437500	40.9	H	14.3	55.2

TEST RESULTS (Cont.):

Middle Channel (3650 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)	Comment
3650.025000	113.1	V	37.3	70.2	Fundamental
7299.803572	38.1	V	17.1	55.2	
10949.625000	41.6	V	13.6	55.2	
14599.446429	43.1	V	12.1	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
36066.125000	41.3	H	13.9	55.2

Highest Channel (3695 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)	Comment
3694.825000	112.5	V	---	---	Fundamental
3721.250000	38.1	V	17.1	55.2	
11084.625000	41.0	V	14.2	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
36985.312500	39.7	V	15.5	55.2

15 MHz BW

Lowest Channel (3607.5 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)	Comment
3607.325000	114.4	V	---	---	Fundamental
10822.339286	41.1	V	14.1	55.2	
14430.214286	42.5	V	12.7	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBµV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBµV/m)
18036.437500	38.6	V	16.6	55.2

TEST RESULTS (Cont.):

Middle Channel (3650 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)	Comment
3649.850000	112.8	V	---	---	Fundamental
7299.803572	37.8	V	17.4	55.2	
14599.928572	42.7	V	12.5	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
18248.875000	37.2	V	18.0	55.2

Highest Channel (3692.5 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)	Comment
3692.200000	112.7	H	---	---	Fundamental
3723.000000	36.4	V	18.8	55.2	
11077.875000	40.0	V	15.2	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
37002.500000	40.1	V	15.1	55.2

20 MHz BW

Lowest Channel (3610 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)	Comment
3610.125000	112.3	V	---	---	Fundamental
10829.571429	42.8	V	12.4	55.2	
14439.857143	43.0	V	12.2	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
18048.812500	37.8	V	17.4	55.2

TEST RESULTS (Cont.):

Middle Channel (3650 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)	Comment
3649.850000	112.5	V	---	---	Fundamental
7299.321429	38.1	V	17.1	55.2	
10949.625000	41.6	V	13.6	55.2	
14599.446429	42.2	H	13.0	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
18249.562500	37.6	V	17.6	55.2

Highest Channel (3690 MHz)

Frequency range 1 GHz – 18 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)	Comment
3689.925000	112.5	V	---	---	Fundamental
11069.678572	42.0	V	13.2	55.2	
14760.000000	41.8	V	13.4	55.2	

Frequency range 18 GHz – 40 GHz

Frequency (MHz)	RMS_MAXH (dBμV/m)	Pol	Margin - RMS (dB)	Limit - RMS (dBμV/m)
36774.250000	40.3	V	14.9	55.2

Verdict: PASS

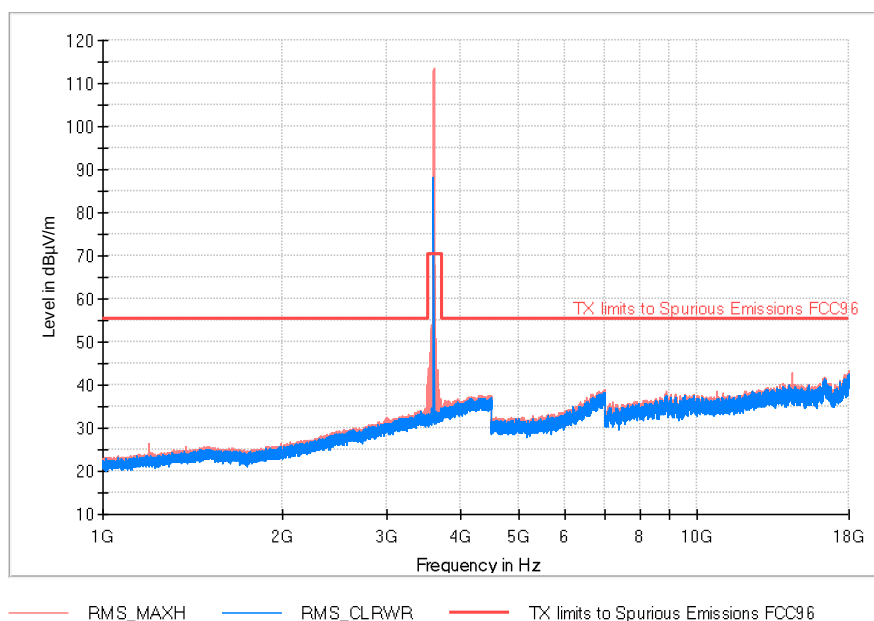
(See next plots)

TEST RESULTS (Cont.):

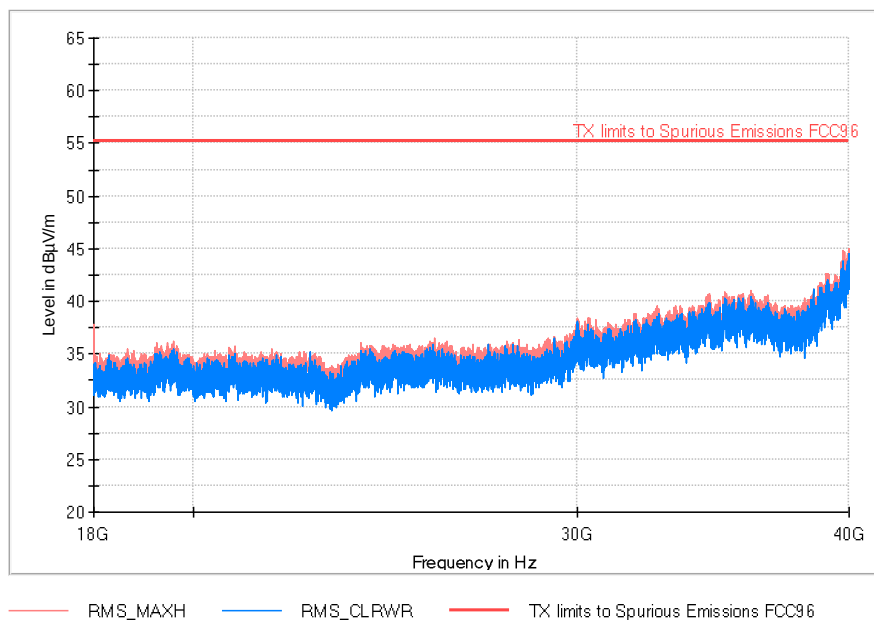
Lowest Channel (3602.5 MHz)

5 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

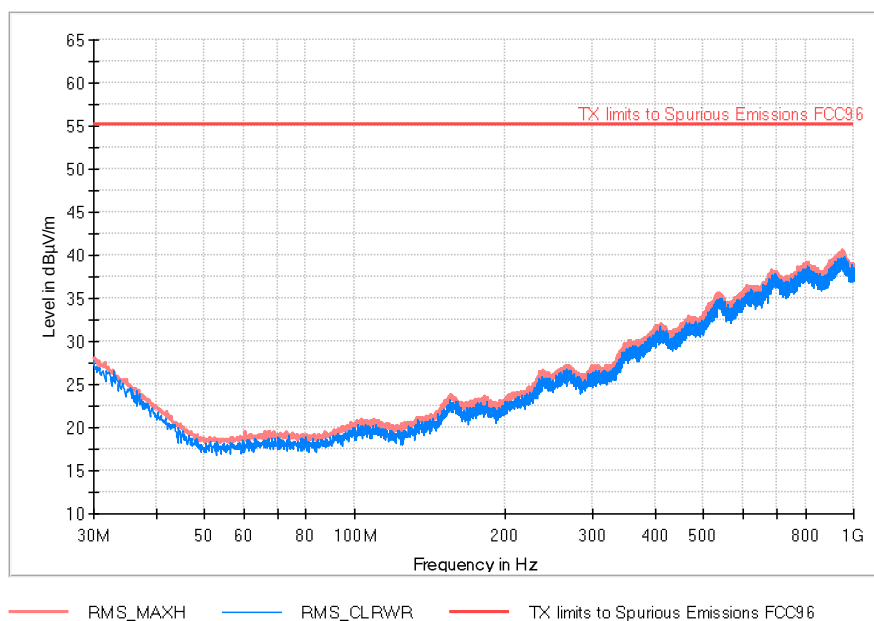


TEST RESULTS (Cont.):

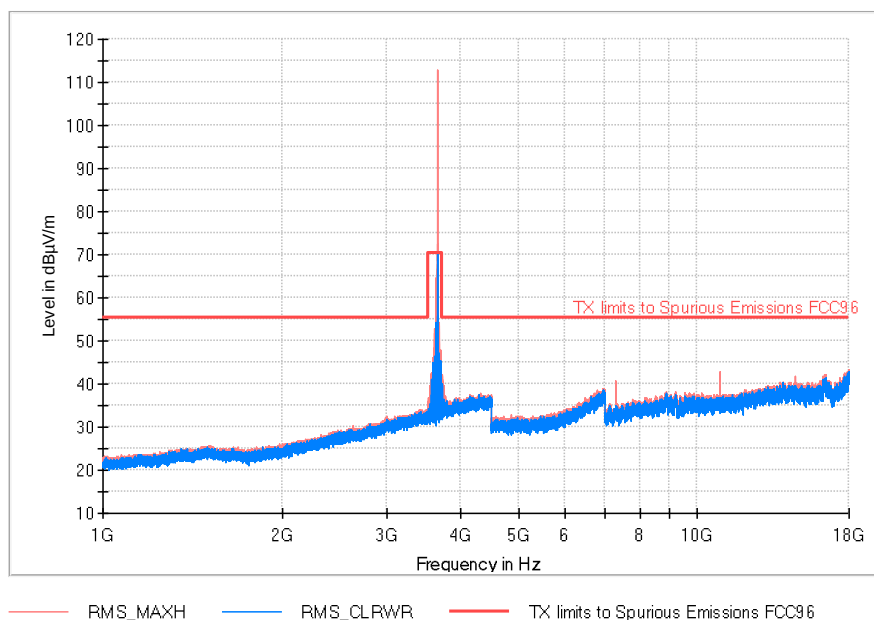
Middle Channel (3650 MHz)

5 MHz BW

FREQUENCY RANGE 30 MHz-1 GHz

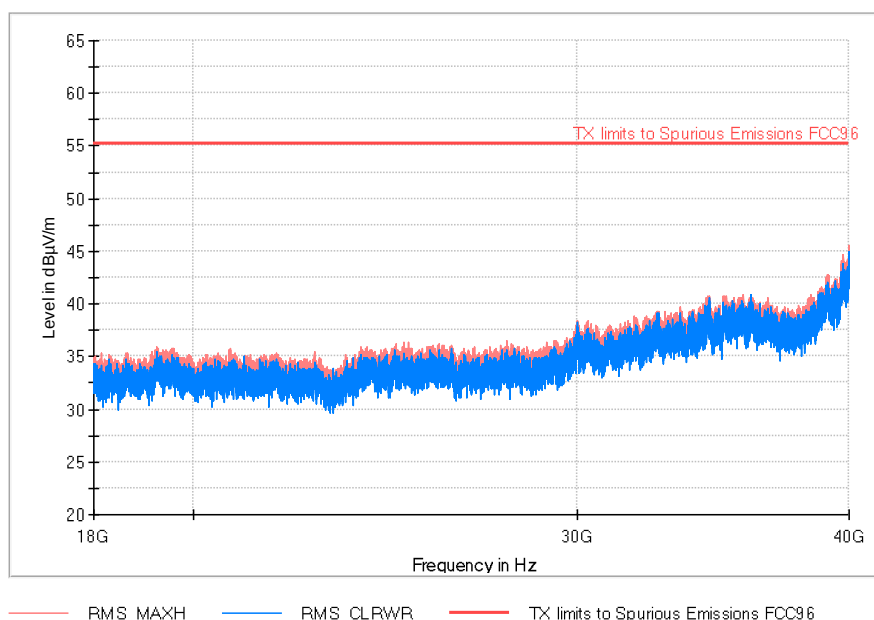


FREQUENCY RANGE 1 GHz-18 GHz



TEST RESULTS (Cont.):

FREQUENCY RANGE 18 GHz-40 GHz

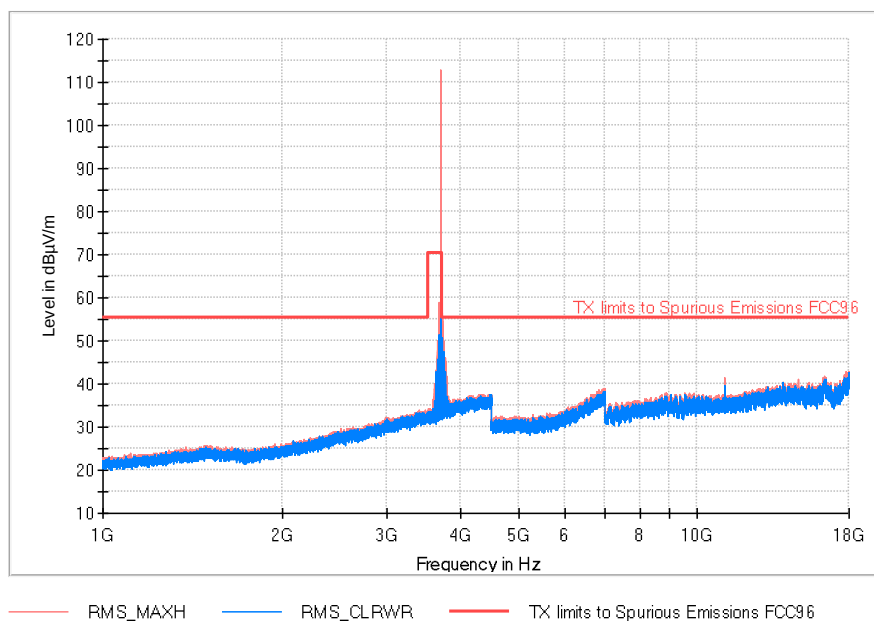


TEST RESULTS (Cont.):

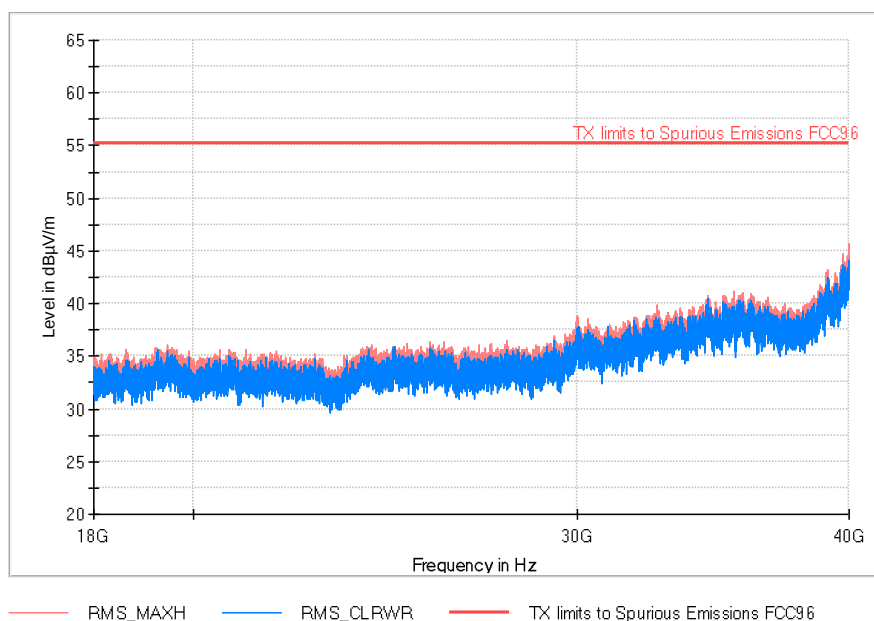
Highest Channel (3697.5 MHz)

5 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

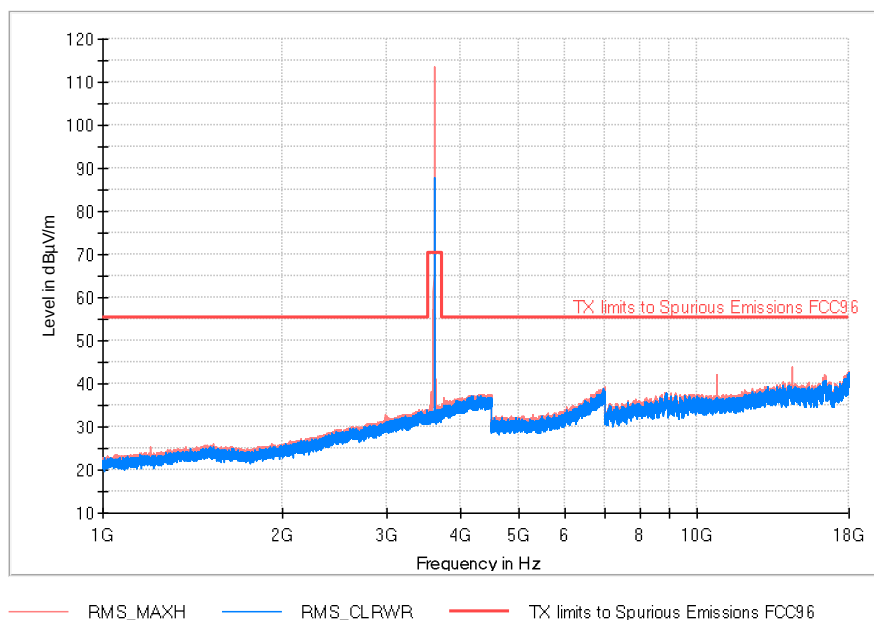


TEST RESULTS (Cont.):

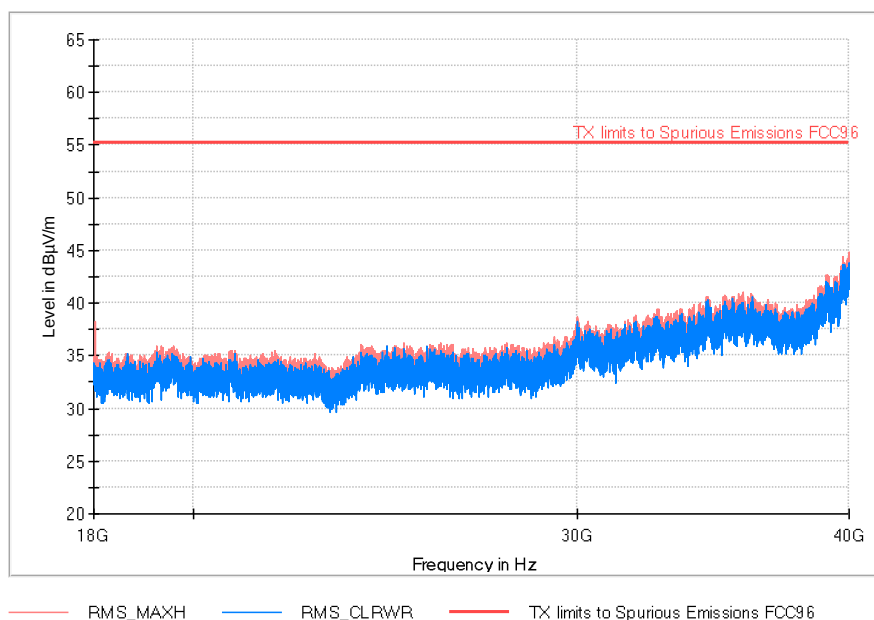
Lowest Channel (3605 MHz)

10 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

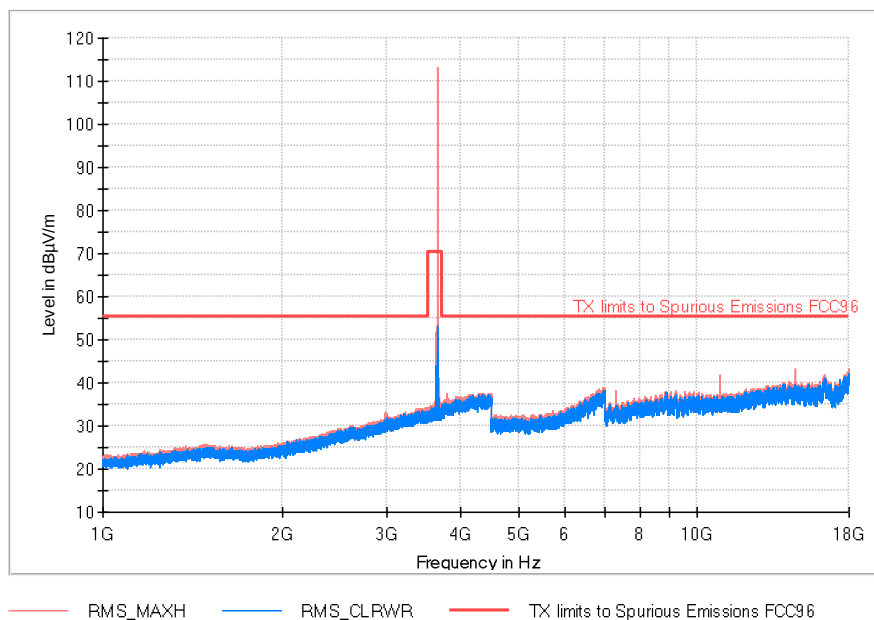


TEST RESULTS (Cont.):

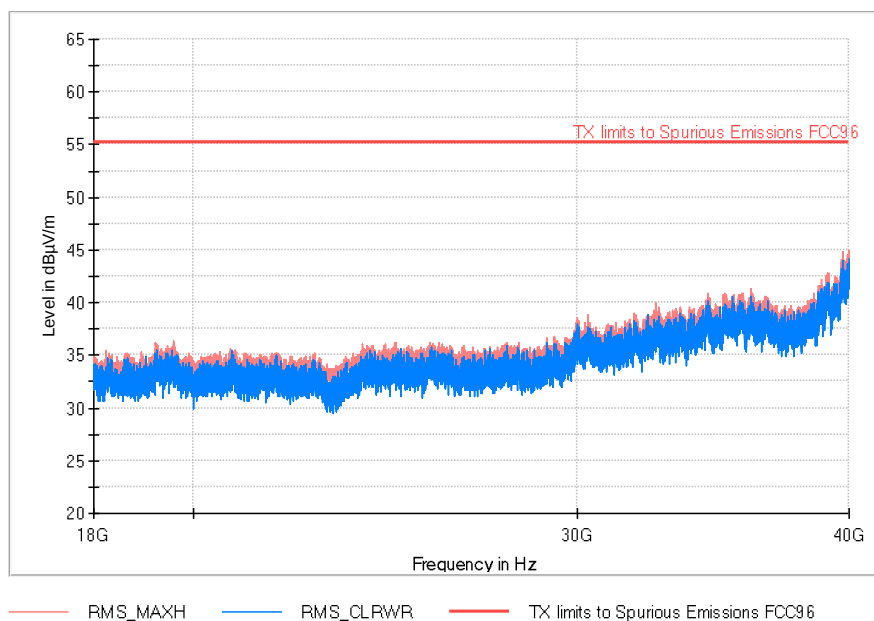
Middle Channel (3650 MHz)

10 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

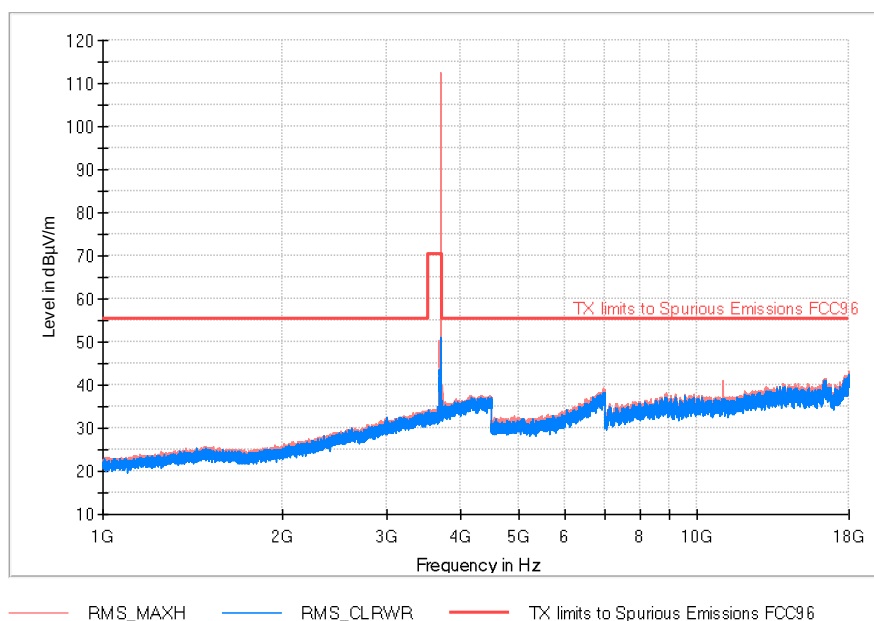


TEST RESULTS (Cont.):

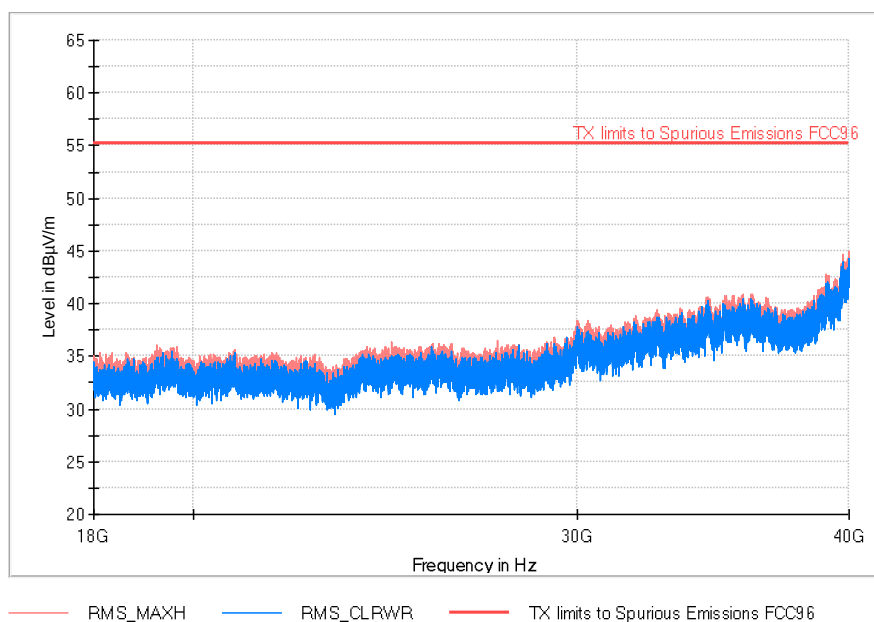
Highest Channel (3695 MHz)

10 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

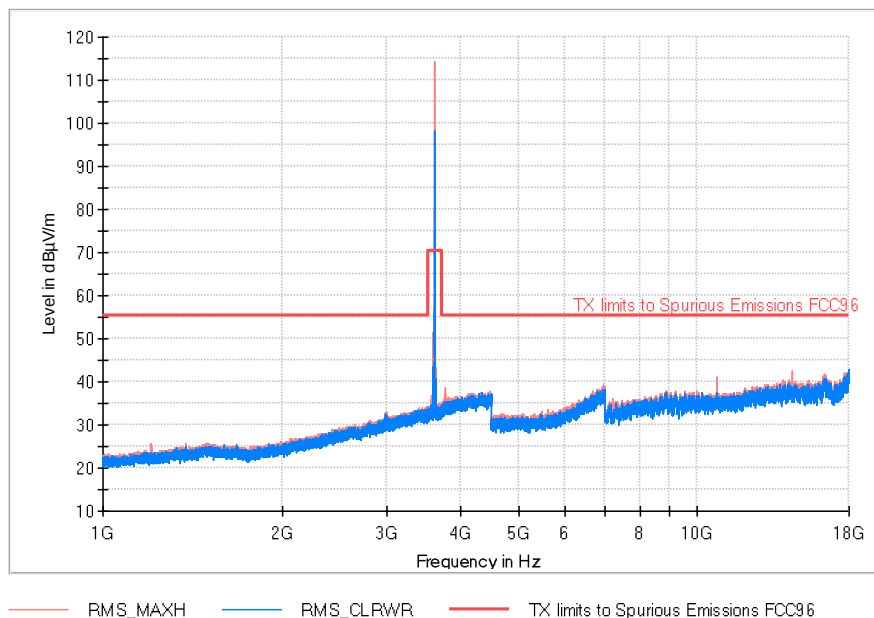


TEST RESULTS (Cont.):

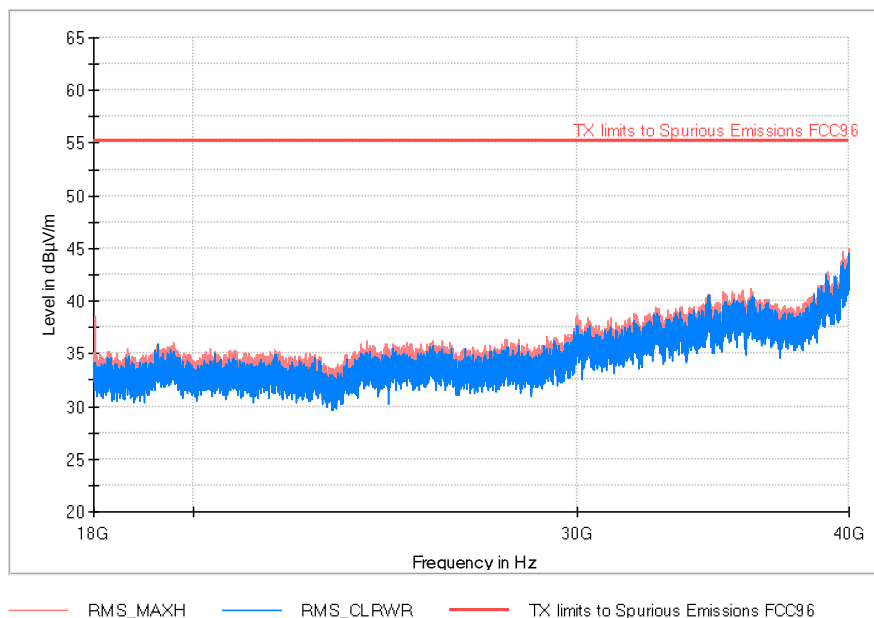
Lowest Channel (3607.5 MHz)

15 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

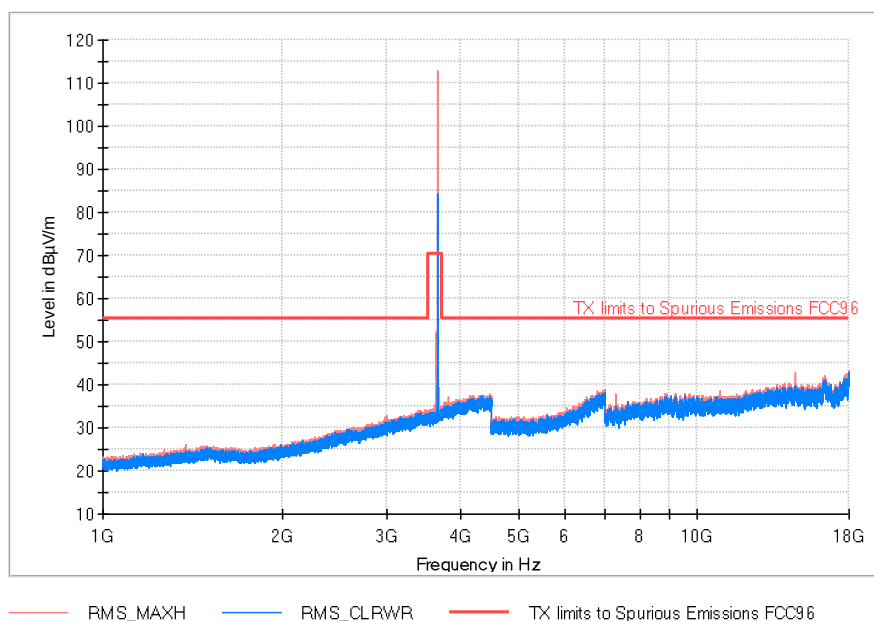


TEST RESULTS (Cont.):

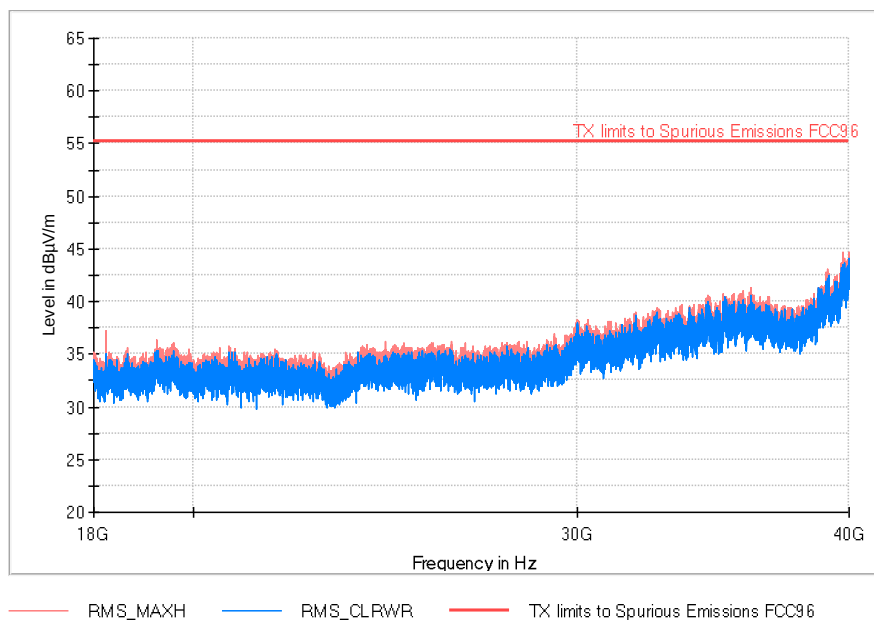
Middle Channel (3650 MHz)

15 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

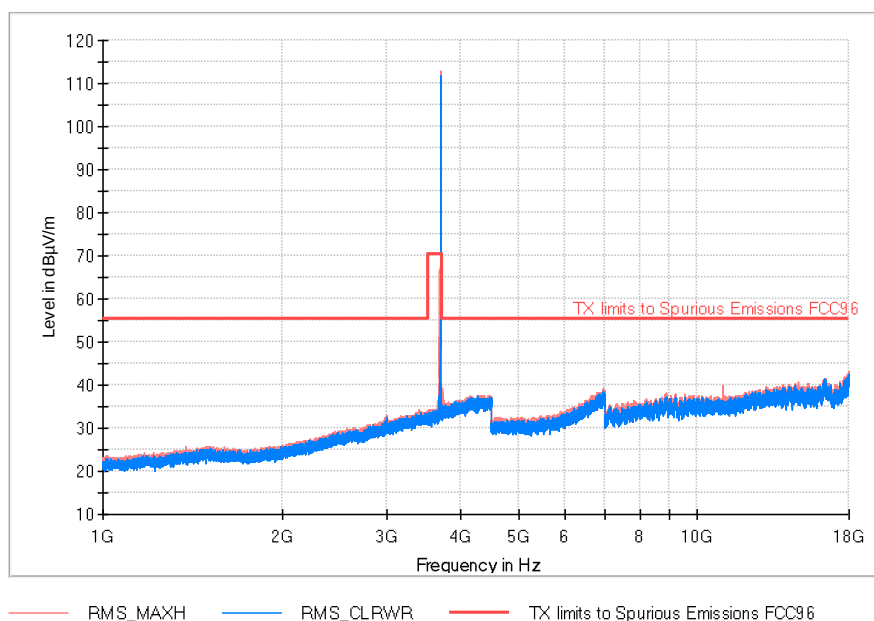


TEST RESULTS (Cont.):

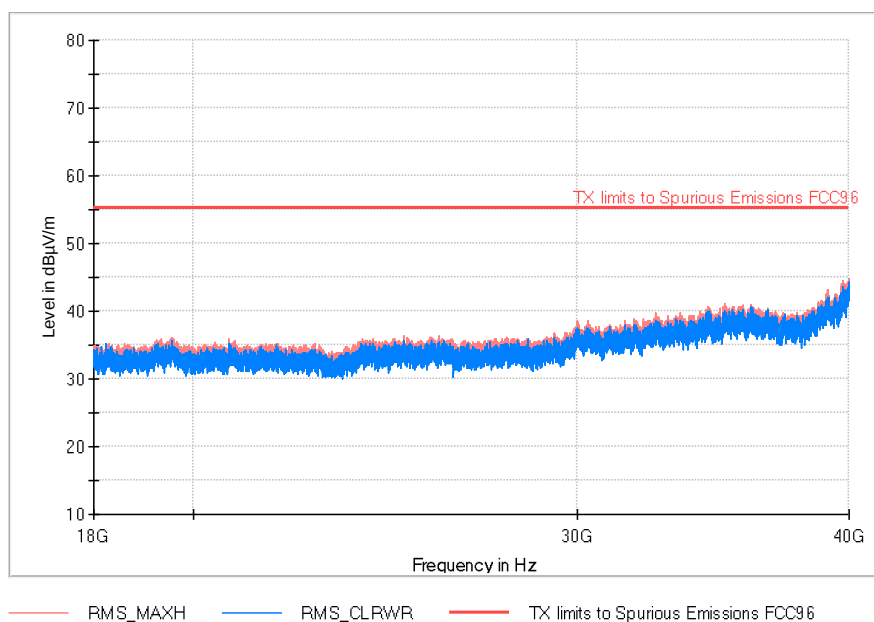
Highest Channel (3692.5 MHz)

15 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

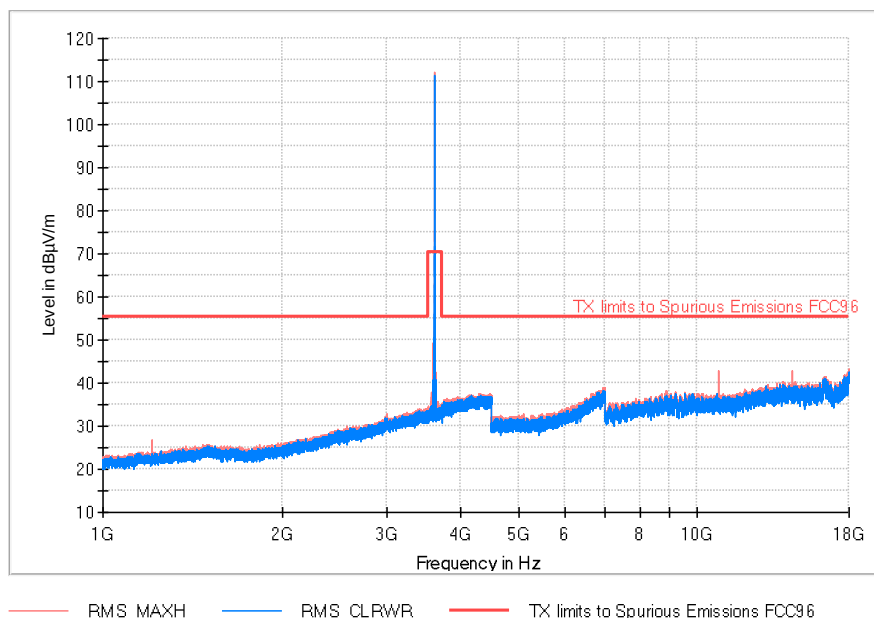


TEST RESULTS (Cont.):

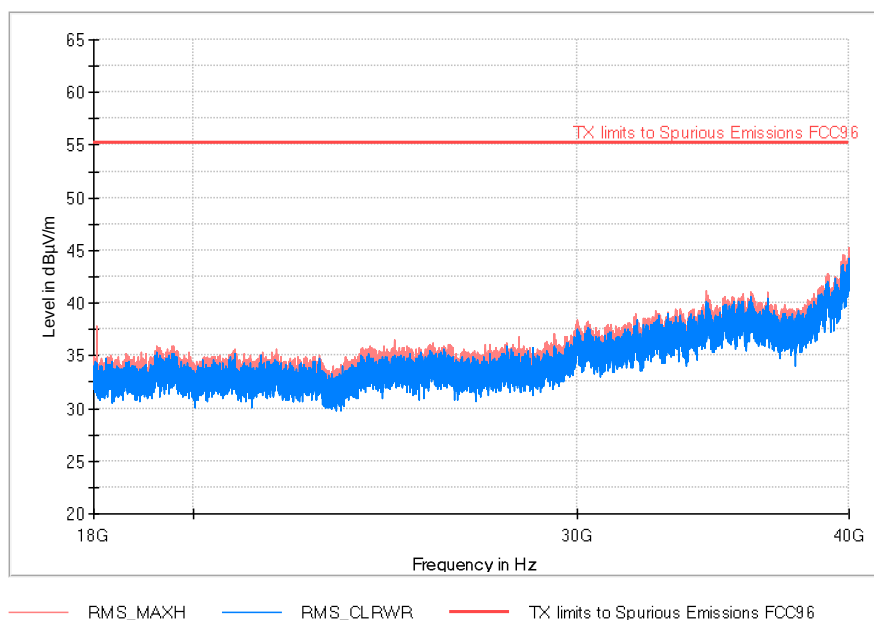
Lowest Channel (3610 MHz)

20 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

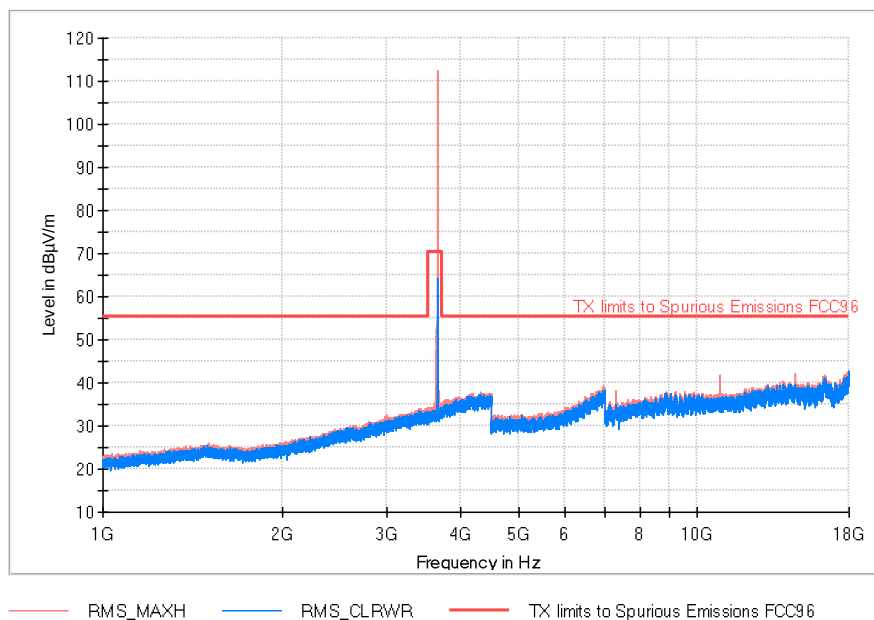


TEST RESULTS (Cont.):

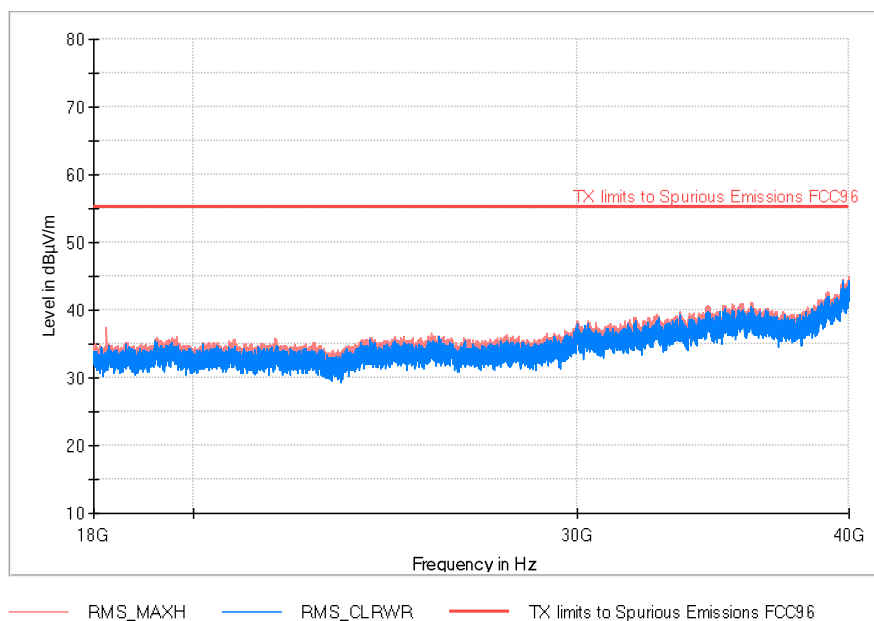
Middle Channel (3650 MHz)

20 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz

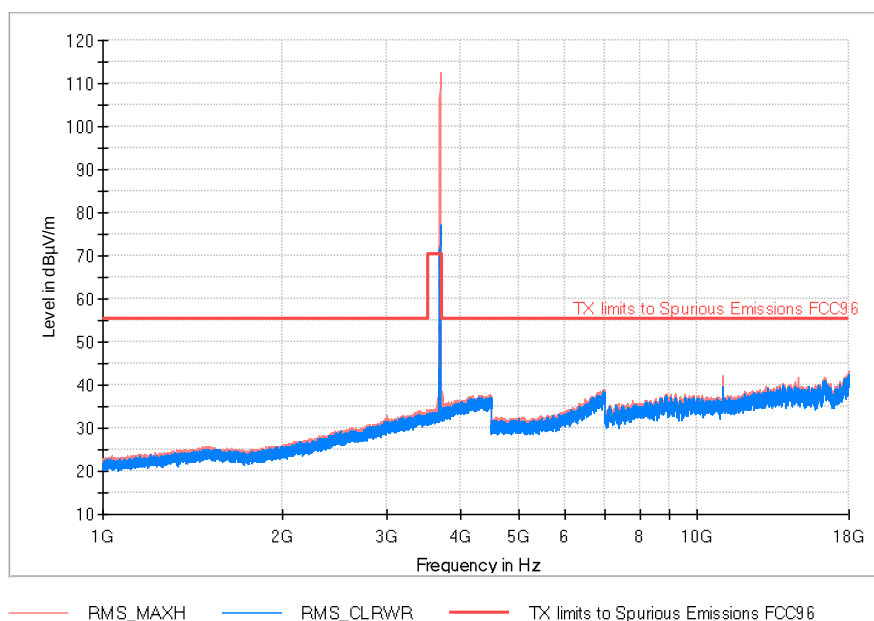


TEST RESULTS (Cont.):

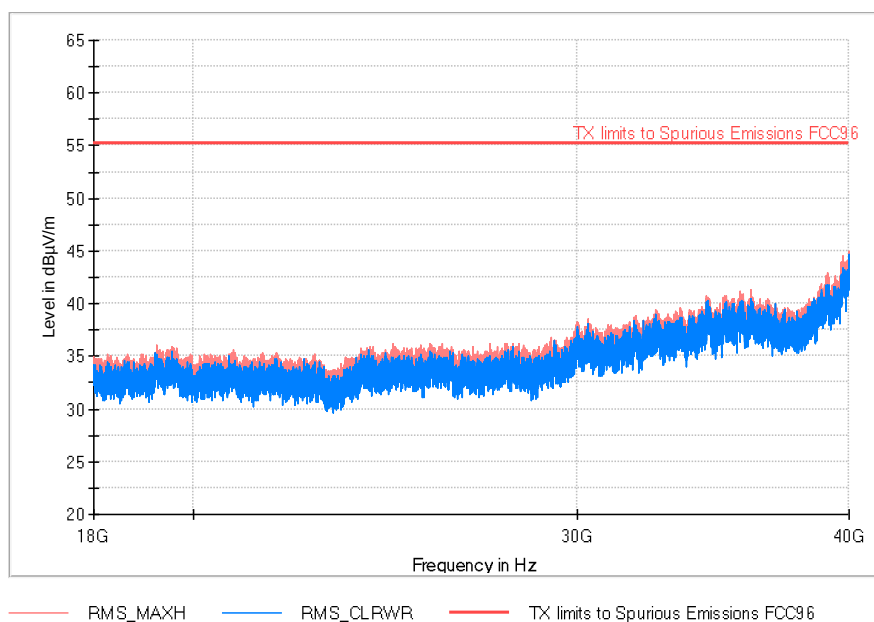
Highest Channel (3690 MHz)

20 MHz BW

FREQUENCY RANGE 1 GHz-18 GHz



FREQUENCY RANGE 18 GHz-40 GHz



TEST A.8: FREQUENCY STABILITY

LIMITS:	Product standard:	Part 2.1055
	Test standard:	ANSI C63.26-2015

LIMITS

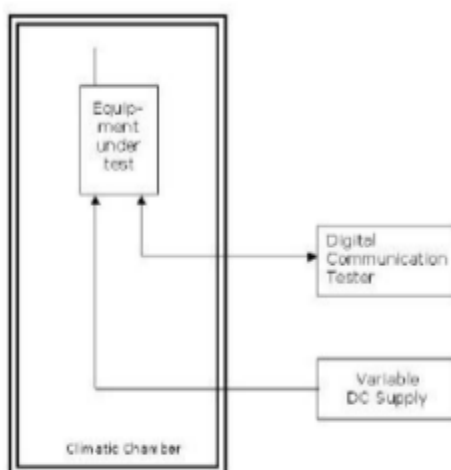
The frequency stability shall be measured with variation of ambient temperature from -30° to +50° centigrade for all equipment except that specified in paragraphs (a) (2) and (3) of this section.

The frequency stability was measured under the following conditions:

- a) At 10°C intervals of temperatures between -30°C and +50°C at the manufacturer's rated supply voltage, and
- b) At +20°C temperature and $\pm 15\%$ supply voltage variations. If a product is specified to operate over a range of input voltage, then the -15% variation is applied to the lowermost voltage and the +15% is applied to the uppermost voltage.

TEST SETUP

The frequency stability was measured by following the procedure stated in the section 5.6 of ANSI C63.26-2015 and the section 9 of FCC KDB 971168 D01 v03 r01.



TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#01 (Band 48)
TEST RESULTS:	PASS

10 MHz BW

Temperature (°C)	Input Voltage (V)	Lowest Frequency 3555 MHz			
		Frequency (MHz)	Delta to Tnom-Vnom (%)	Frequency (MHz)	Delta to Tnom-Vnom (%)
50	3.7	3550.530	-0.001690	3559.410	-0.002248
40	3.7	3550.570	-0.000563	3559.470	-0.000562
30	3.7	3550.610	0.000563	3559.450	-0.001124
20 (Tnom)	3.7	3550.590	----	3559.490	----
20	3.145	3550.610	0.000563	3559.470	-0.000562
20	4.255	3550.550	-0.001127	3559.430	-0.001686
10	3.7	3550.570	-0.000563	3559.450	-0.001124
0	3.7	3550.730	0.003943	3559.310	-0.005057
-10	3.7	3550.510	-0.002253	3559.470	-0.000562
-20	3.7	3550.650	0.001690	3559.430	-0.001686
-30	3.7	3550.550	-0.001127	3559.450	-0.001124

Verdict: PASS

TEST RESULTS (Cont.):

10 MHz BW

Temperature (°C)	Input Voltage (V)	Highest Frequency 3695 MHz			
		Frequency (MHz)	Delta to Tnom-Vnom (%)	Frequency (MHz)	Delta to Tnom-Vnom (%)
50	3.7	3690.530	-0.001084	3699.450	0.001622
40	3.7	3690.510	-0.001626	3699.450	0.001622
30	3.7	3690.610	0.001084	3699.430	0.001081
20 (Tnom)	3.7	3690.570	----	3699.390	----
20	3.145	3690.670	0.002710	3699.410	0.000541
20	4.255	3690.550	-0.000542	3699.370	-0.000541
10	3.7	3690.590	0.000542	3699.410	0.000541
0	3.7	3690.670	0.002710	3699.430	0.001081
-10	3.7	3690.550	-0.000542	3699.350	-0.001081
-20	3.7	3690.590	0.000542	3699.370	-0.000541
-30	3.7	3690.610	0.001084	3699.350	-0.237336

Verdict: PASS

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#02 (Band 42)
TEST RESULTS:	PASS

10 MHz BW

Temperature (°C)	Input Voltage (V)	Lowest Frequency 3555 MHz			
		Frequency (MHz)	Delta to Tnom-Vnom (%)	Frequency (MHz)	Delta to Tnom-Vnom (%)
50	3.7	3550.530	-0.001690	3559.410	-0.002248
40	3.7	3550.570	-0.000563	3559.470	-0.000562
30	3.7	3550.610	0.000563	3559.450	-0.001124
20 (Tnom)	3.7	3550.590	----	3559.490	----
20	3.145	3550.610	0.000563	3559.470	-0.000562
20	4.255	3550.550	-0.001127	3559.430	-0.001686
10	3.7	3550.570	-0.000563	3559.450	-0.001124
0	3.7	3550.730	0.003943	3559.310	-0.005057
-10	3.7	3550.510	-0.002253	3559.470	-0.000562
-20	3.7	3550.650	0.001690	3559.430	-0.001686
-30	3.7	3550.550	-0.001127	3559.450	-0.001124

Verdict: PASS

TEST RESULTS (Cont.):

10 MHz BW

Temperature (°C)	Input Voltage (V)	Highest Frequency 3595 MHz			
		Frequency (MHz)	Delta to Tnom-Vnom (%)	Frequency (MHz)	Delta to Tnom-Vnom (%)
50	3.7	3590.630	0.002228	3599.450	0.001667
40	3.7	3590.610	0.001671	3599.430	0.001111
30	3.7	3590.590	0.001114	3599.330	-0.001667
20 (Tnom)	3.7	3590.550	----	3599.390	----
20	3.145	3590.530	-0.000557	3599.450	0.001667
20	4.255	3590.510	-0.001114	3599.410	0.000556
10	3.7	3590.530	-0.000557	3599.430	0.001111
0	3.7	3590.610	0.001671	3599.450	0.001667
-10	3.7	3590.630	0.002228	3599.370	-0.000556
-20	3.7	3590.610	0.001671	3599.350	-0.001111
-30	3.7	3590.630	0.002228	3599.430	0.001111

Verdict: PASS

TESTED SAMPLES:	S/01
TESTED CONDITIONS MODES:	TC#03 (Band 43)
TEST RESULTS:	PASS

10 MHz BW

Temperature (°C)	Input Voltage (V)	Lowest Frequency 3605 MHz			
		Frequency (MHz)	Delta to Tnom-Vnom (%)	Frequency (MHz)	Delta to Tnom-Vnom (%)
50	3.7	3600.550	0.012500	3609.490	0.002216
40	3.7	3600.690	0.016388	3609.390	-0.000554
30	3.7	3600.710	0.016944	3609.350	-0.001662
20 (Tnom)	3.7	3600.100	----	3609.410	----
20	3.145	3600.550	0.012500	3609.430	0.000554
20	4.255	3600.530	0.011944	3609.450	0.001108
10	3.7	3600.710	0.016944	3609.330	-0.002216
0	3.7	3600.730	0.017500	3609.350	-0.001662
-10	3.7	3600.690	0.016388	3609.310	-0.002771
-20	3.7	3600.650	0.015277	3609.390	-0.000554
-30	3.7	3600.630	0.014722	3609.370	-0.001108

Verdict: PASS

TEST RESULTS (Cont.):

10 MHz BW

Temperature (°C)	Input Voltage (V)	Highest Frequency 3695 MHz			
		Frequency (MHz)	Delta to Tnom-Vnom (%)	Frequency (MHz)	Delta to Tnom-Vnom (%)
50	3.7	3690.530	-0.001084	3699.450	0.001622
40	3.7	3690.510	-0.001626	3699.450	0.001622
30	3.7	3690.610	0.001084	3699.430	0.001081
20 (Tnom)	3.7	3690.570	----	3699.390	----
20	3.145	3690.670	0.002710	3699.410	0.000541
20	4.255	3690.550	-0.000542	3699.370	-0.000541
10	3.7	3690.590	0.000542	3699.410	0.000541
0	3.7	3690.670	0.002710	3699.430	0.001081
-10	3.7	3690.550	-0.000542	3699.350	-0.001081
-20	3.7	3690.590	0.000542	3699.370	-0.000541
-30	3.7	3690.610	0.001084	3699.350	-0.001081

Verdict: PASS