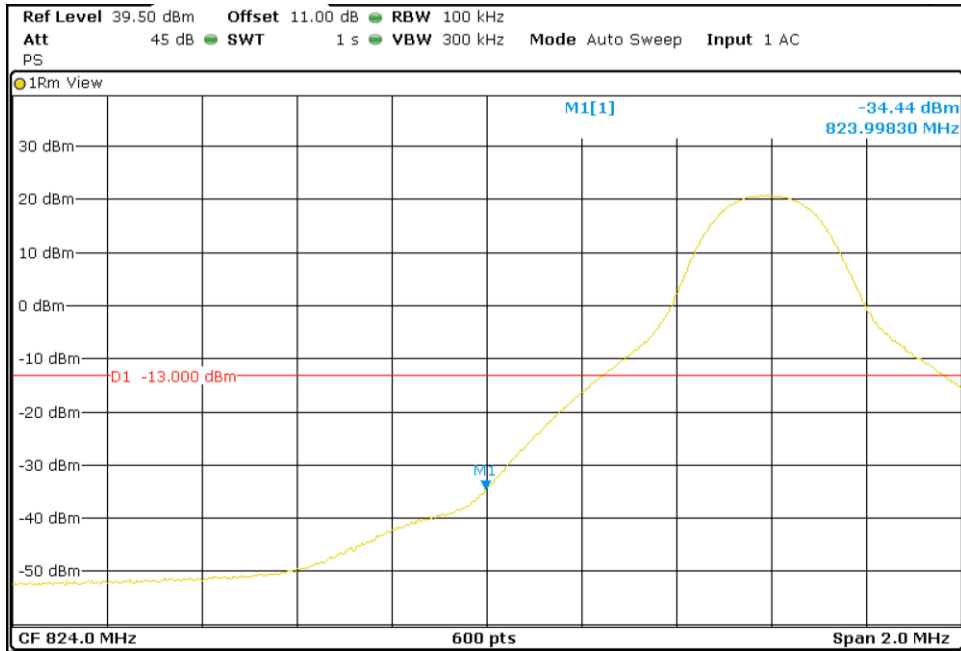


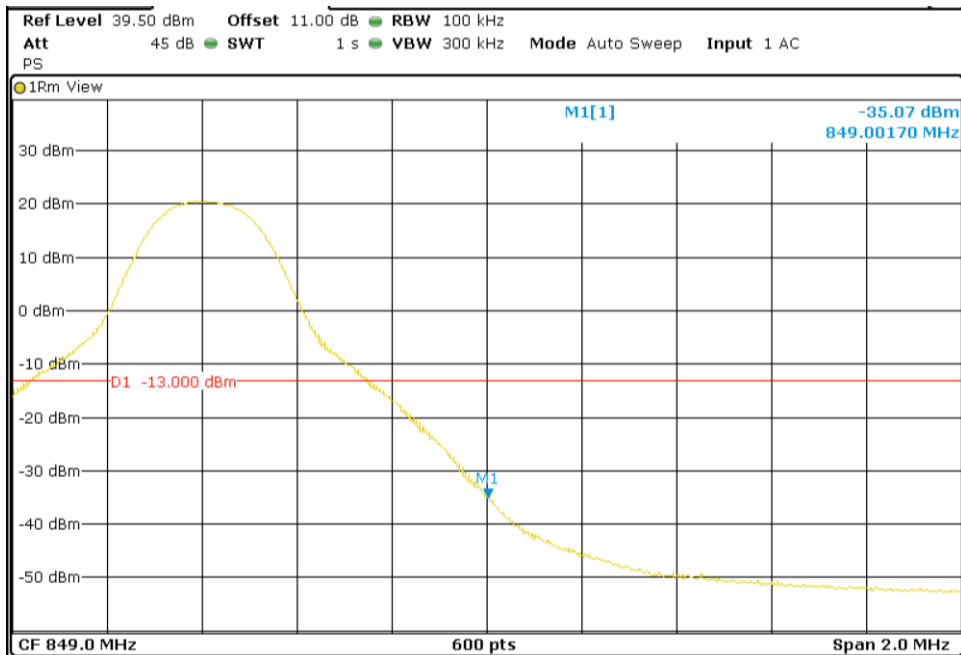
TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 10 MHz

Lowest Channel



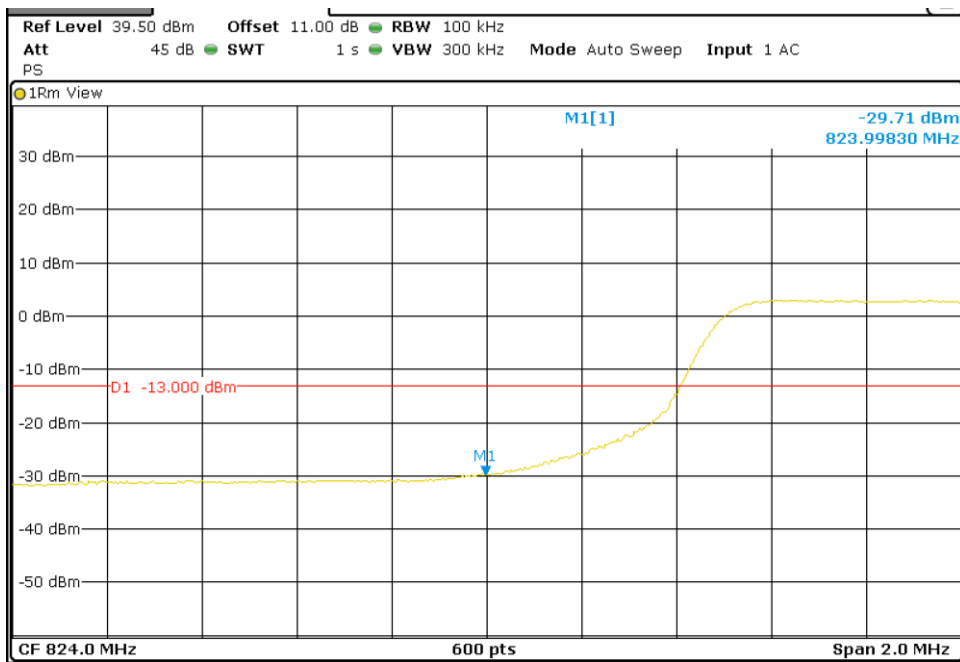
Highest Channel



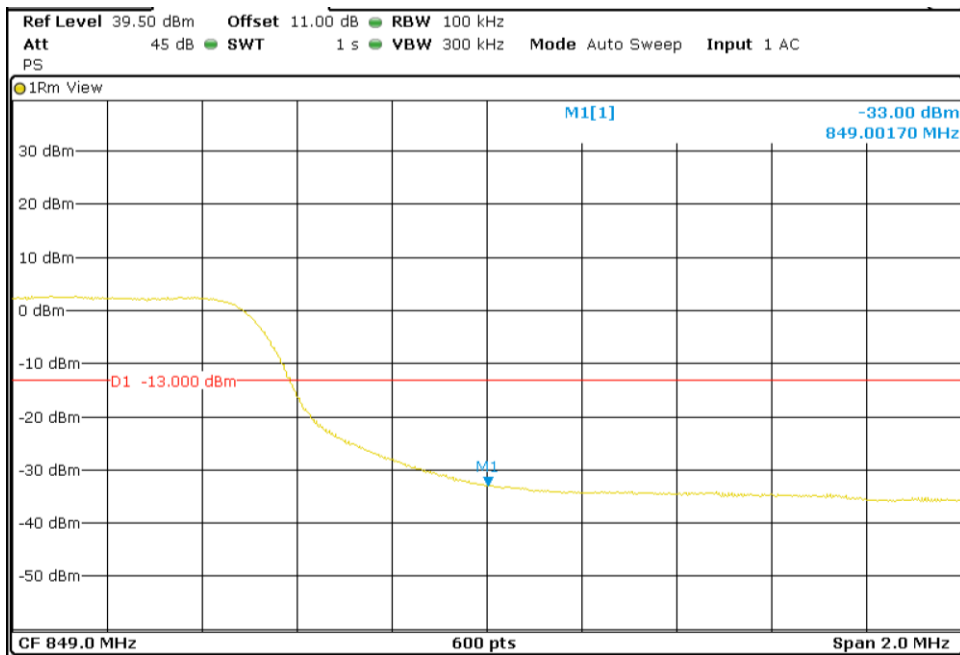
TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 50. Offset = 0. BW = 10 MHz

Lowest Channel



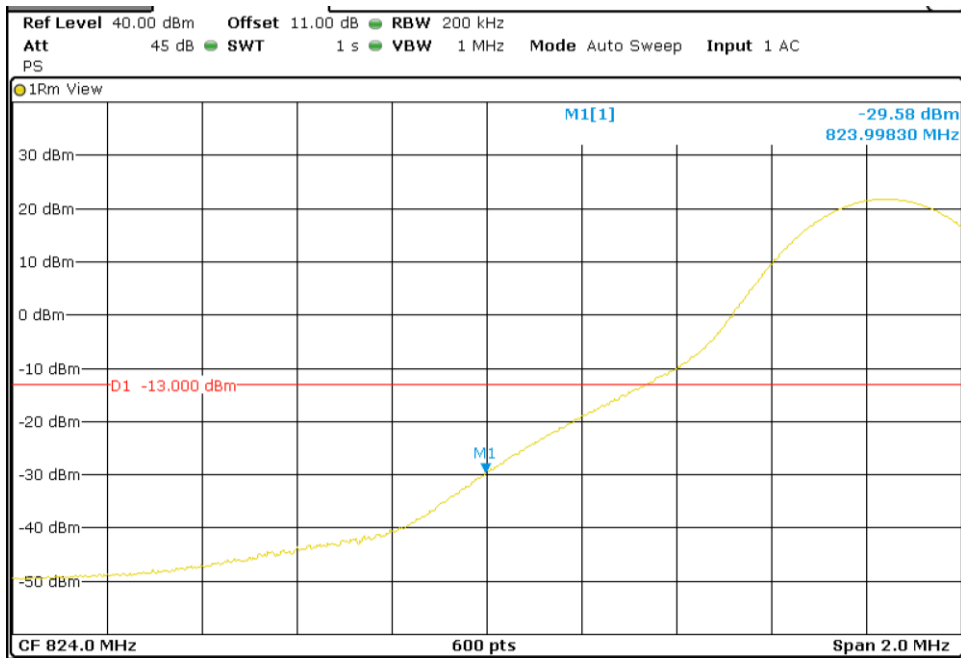
Highest Channel



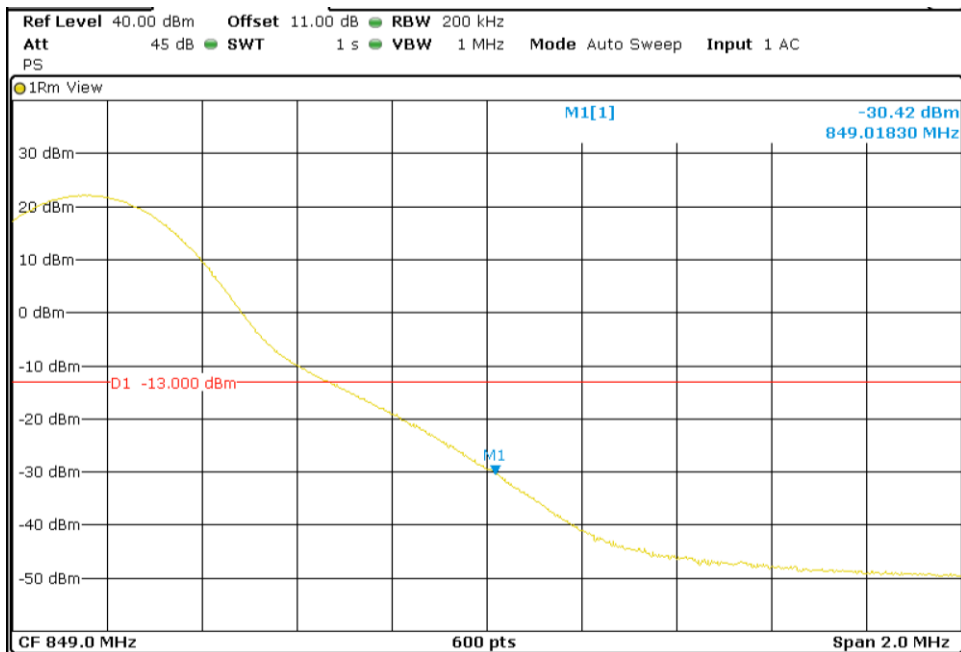
TEST RESULTS (Cont):

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 15 MHz

Lowest Channel



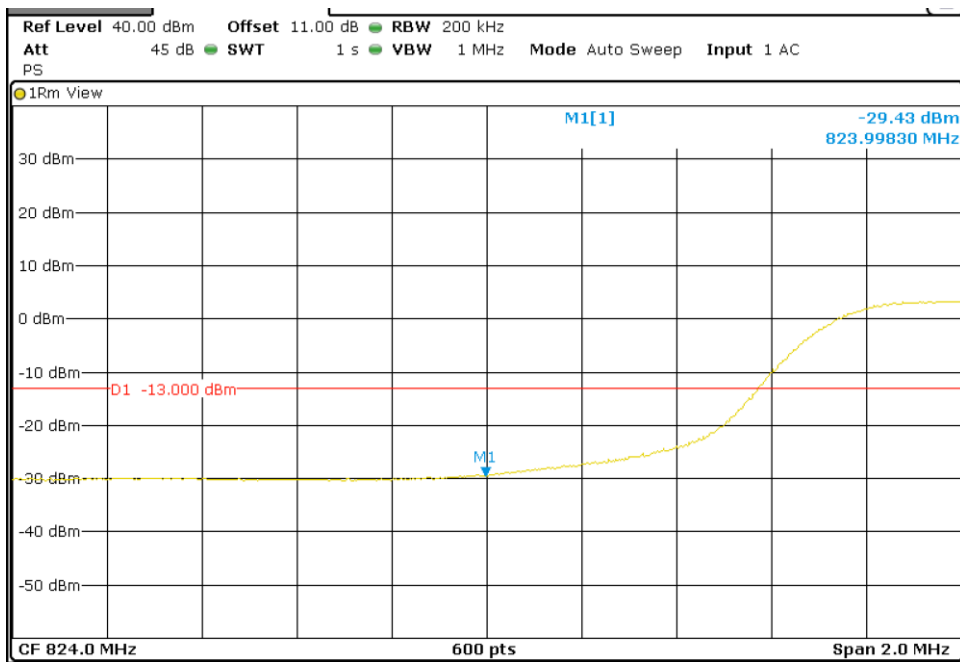
Highest Channel



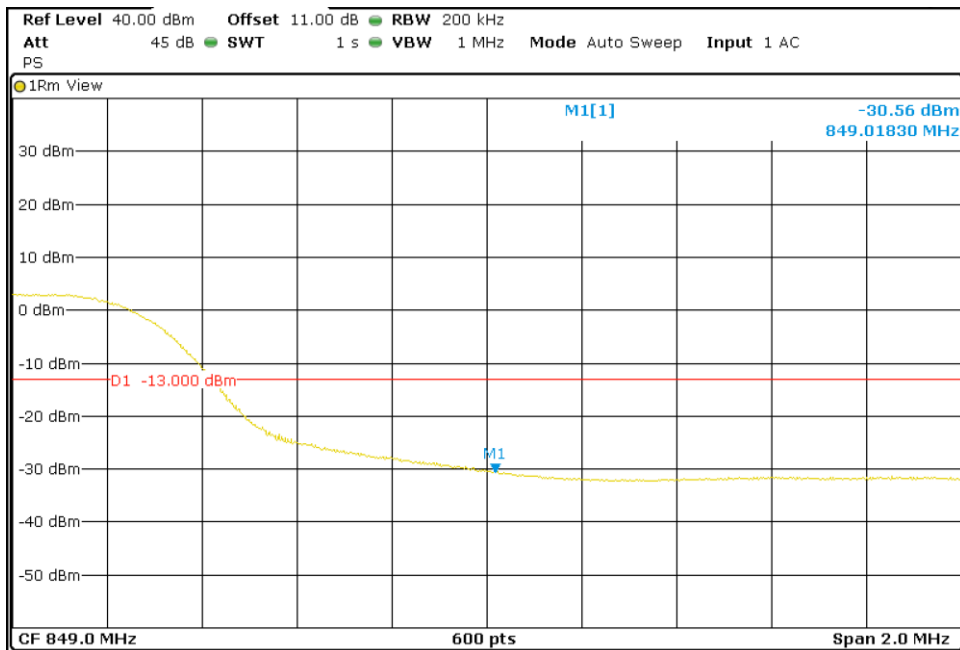
**TEST RESULTS (Cont):**

**LTE QPSK MODULATION. RB = 75. Offset = 0. BW = 15 MHz**

Lowest Channel



Highest Channel



## TEST A.7: RADIATED EMISSIONS

<b>LIMITS:</b>	Product standard:	FCC Part 22 / IC RSS-132.
	Test standard:	FCC §2.1053 and §22.917 / RSS-132 Clause 5.5.

### LIMITS

According to specification, the power of emissions shall be attenuated below the transmitter power (P) by a factor of at least  $43 + 10 \log(P)$  dB. P in watts.

At  $P_o$  transmitting power of 2 watts (33 dBm), the specified minimum attenuation becomes  $43 + 10 \log(P_o)$ , and the level in dBm relative to  $P_o$  becomes:

$$P_o \text{ (dBm)} - [43 + 10 \log(P_o \text{ in watts})] = -13 \text{ dBm}$$

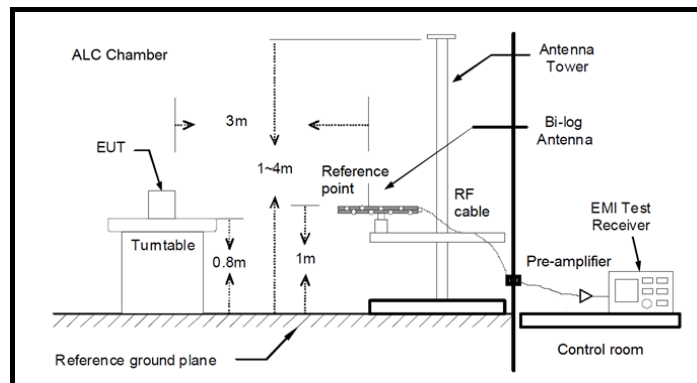
### TEST SETUP

The measurement was performed with the EUT inside an anechoic chamber. The spectrum was scanned from 30 MHz to at least the 10th harmonic of the highest frequency generated within the equipment.

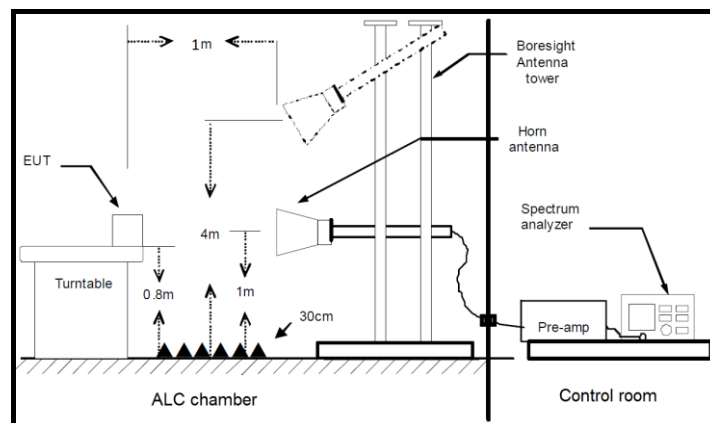
The EUT was placed on a non-conductive stand at a 3-meter distance from the measuring antenna for measurements below 1 GHz and at 1-meter distance for measurements above 1 GHz.

Detected emissions were maximized at each frequency by rotating the EUT and adjusting the measuring antenna height and polarization. The maximum reading was recorded.

Radiated measurements < 1GHz



Radiated measurements > 1GHz



<b>TESTED SAMPLES:</b>	S/01
<b>TESTED CONDITIONS MODES:</b>	TC#01
<b>TEST RESULTS:</b>	PASS

**RESULTS**

A preliminary scan determined the QPSK 5 MHz bandwidth as the worst case. The configuration of Resource Blocks which is the worst case for conducted power was used.

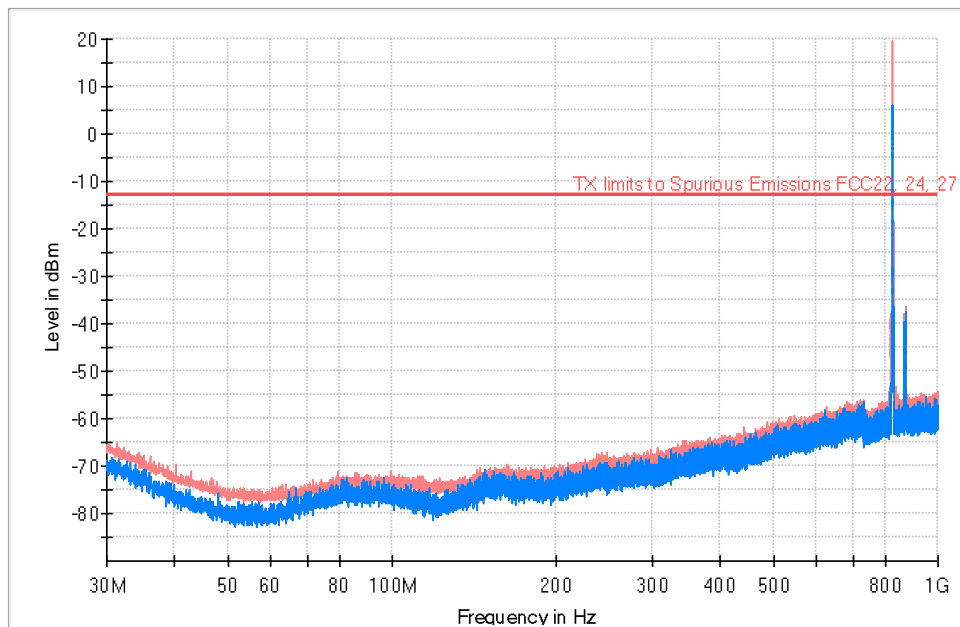
The following plots show the results for this configuration.

LTE QPSK MODULATION. RB = 1. Offset = 0. BW = 5 MHz

<b>TEST RESULTS (Cont):</b>	Lowest Channel
-----------------------------	----------------

FREQUENCY RANGE: 30-1000 MHz

Frequency (MHz)	PK+_CLRWR (dBm)	PK+_MAXH (dBm)	Comment
31.261000	-70.78	-65.16	
824.333000	4.81	19.73	Fundamental
871.087000	-40.40	-36.47	



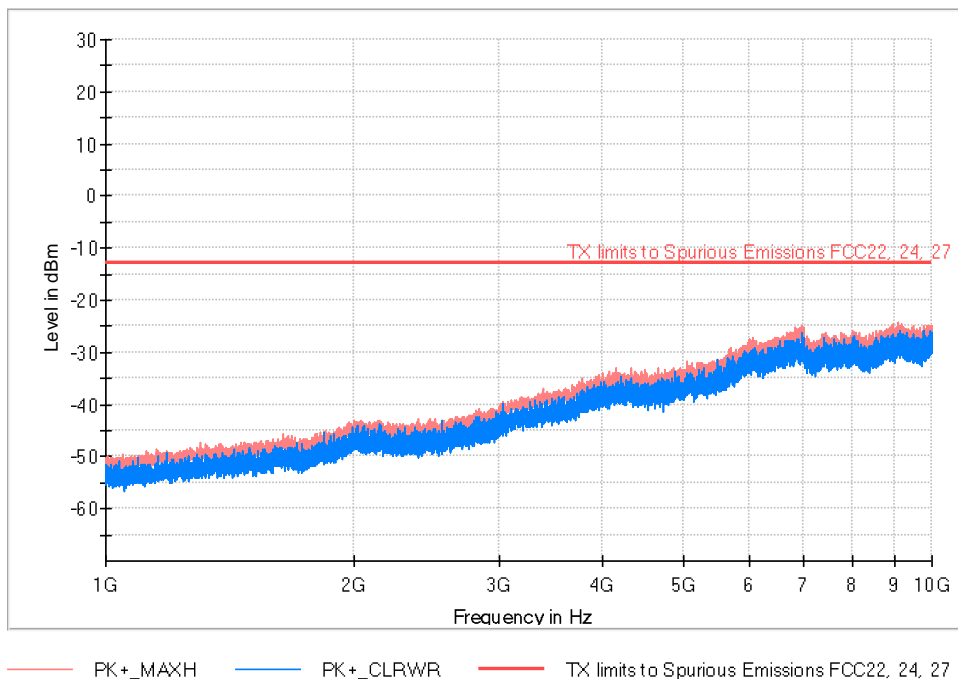
— PK+\_MAXH    — PK+\_CLRWR    — TX limits to Spurious Emissions FCC22, 24, 27

**TEST RESULTS (Cont):**

Lowest Channel

FREQUENCY RANGE: 1-10 GHz

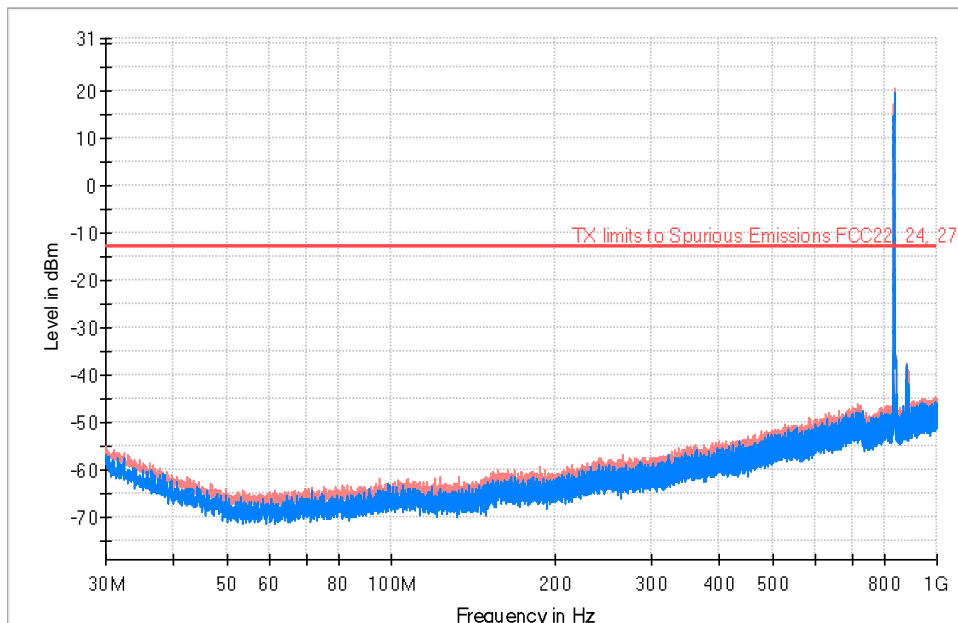
Frequency (MHz)	PK+_CLRWR (dBm)	PK+_MAXH (dBm)
3987.500000	-38.68	-34.04
6951.000000	-26.76	-25.00
9097.000000	-29.00	-24.08



<b>TEST RESULTS (Cont):</b>	Middle Channel
-----------------------------	----------------

FREQUENCY RANGE: 30 MHz-1 GHz

Frequency (MHz)	PK+_CLRWR (dBm)	PK+_MAXH (dBm)	Comment
<b>30.032333</b>	<b>-56.98</b>	<b>-55.08</b>	
<b>834.421000</b>	<b>18.75</b>	<b>20.69</b>	<b>Fundamental</b>
<b>880.625333</b>	<b>-38.08</b>	<b>-38.08</b>	



— PK+\_MAXH    — PK+\_CLRWR    — TX limits to Spurious Emissions FCC22, 24, 27

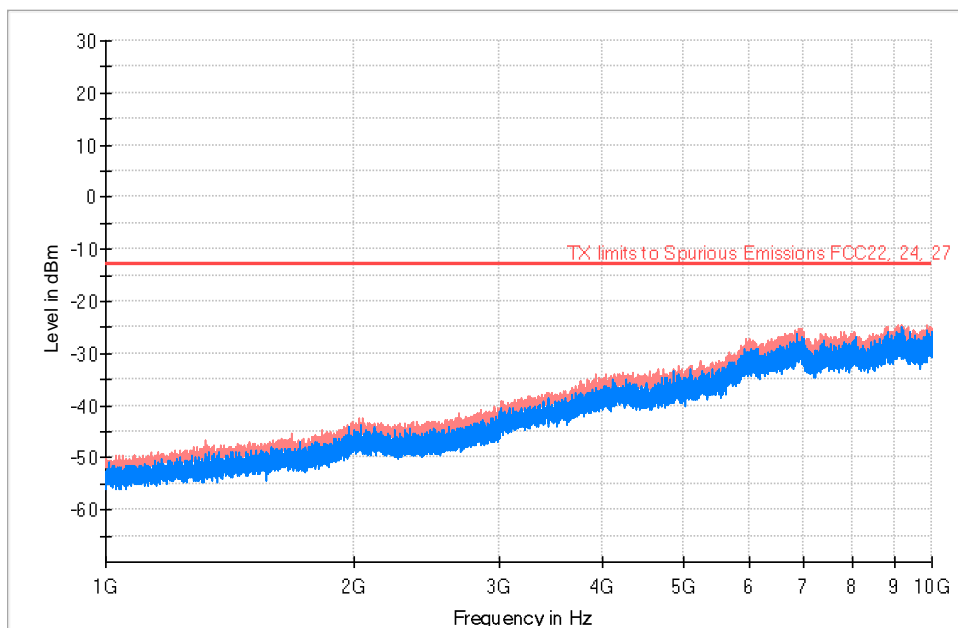


**TEST RESULTS (Cont):**

Middle Channel

FREQUENCY RANGE: 1-10 GHz

Frequency (MHz)	PK+_CLRWR (dBm)	PK+_MAXH (dBm)
2049.800000	-48.98	-42.49
5969.500000	-32.76	-27.01
9854.000000	-30.25	-24.43

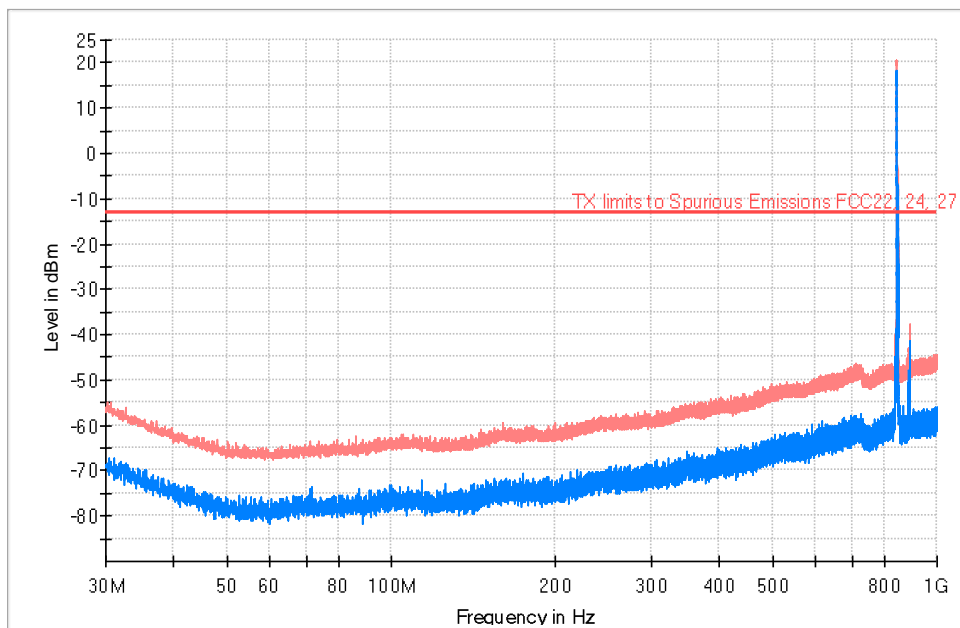


— PK+\_MAXH    — PK+\_CLRWR    — TX limits to Spurious Emissions FCC22, 24, 27

<b>TEST RESULTS (Cont):</b>	Highest Channel
-----------------------------	-----------------

FREQUENCY RANGE: 30 MHz-1 GHz

Frequency (MHz)	PK+ _CLRWR (dBm)	PK+ _MAXH (dBm)	Comment
30.614333	-69.20	-55.04	
844.347333	18.41	20.40	<b>Fundamental</b>
892.524000	-44.55	-37.79	

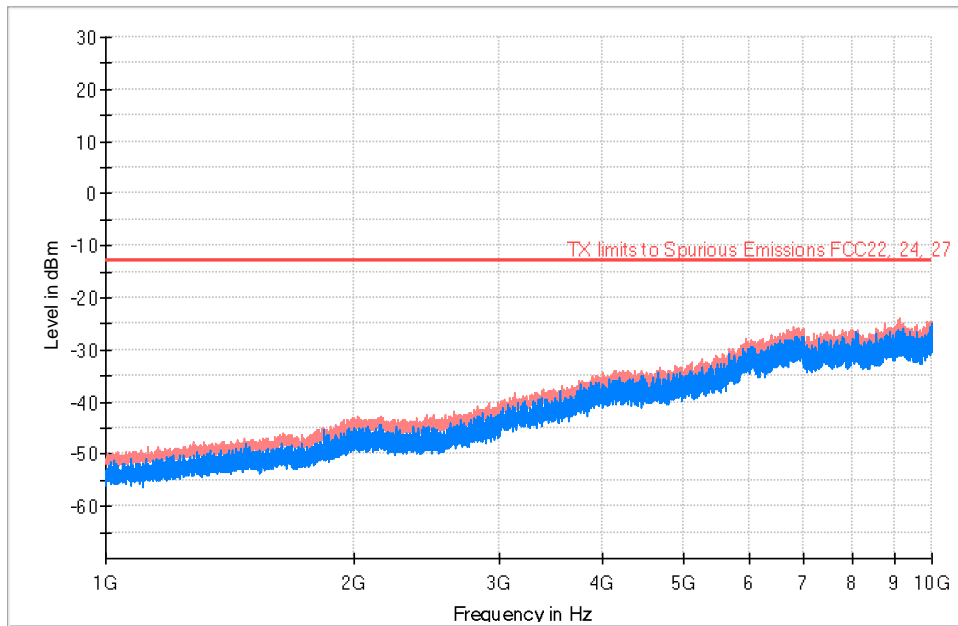


— PK+\_MAXH    — PK+\_CLRWR    — TX limits to Spurious Emissions FCC22, 24, 27

<b>TEST RESULTS (Cont):</b>	Highest Channel
-----------------------------	-----------------

FREQUENCY RANGE: 1-10 GHz

Frequency (MHz)	PK+_CLRWR (dBm)	PK+_MAXH (dBm)
2496.400000	-47.73	-42.41
6787.000000	-30.53	-25.58
9136.500000	-28.93	-24.02



— PK+\_MAXH    — PK+\_CLRWR    — TX limits to Spurious Emissions FCC22, 24, 27