

6.4. Radiated Spurious Emissions -- Pursuant 47 CFR 2.1053, 2.1057, 90.210(g)(3), 90.691(a)(2)

FCC Limits

-Per 90.210(g)(3) and 90.691(a)(2), radiated spurious emissions shall be attenuated below the maximum level of emission of the carrier frequency in accordance with the following formula:

Spurious attenuation in dB = $43 + 10 \log_{10}(P)$
(Thus the effective limit is -13 dBm for any transmitter power level).

NOTE 1: Spurious emissions are dependent on the linearity of the Power Amplifier and are independent of modulation type or TDM interleaving. Thus emissions were tested with the radio set to Quad-16QAM at both maximum and minimum radio output power settings.

NOTE 2: An asterisk () in the data indicates the spurious emission was less than -33 dBm or could not be detected due to noise limitations or ambients.*

NOTE 3: Spurious emission levels were measured with the non-detachable antenna mounted on the radio product, as in intended use. Measurement setup is described in Exhibit 7.3.

Motorola Inc.

FCC ID:AZ489FT5828

Transmitter Radiated Spurious Emissions:

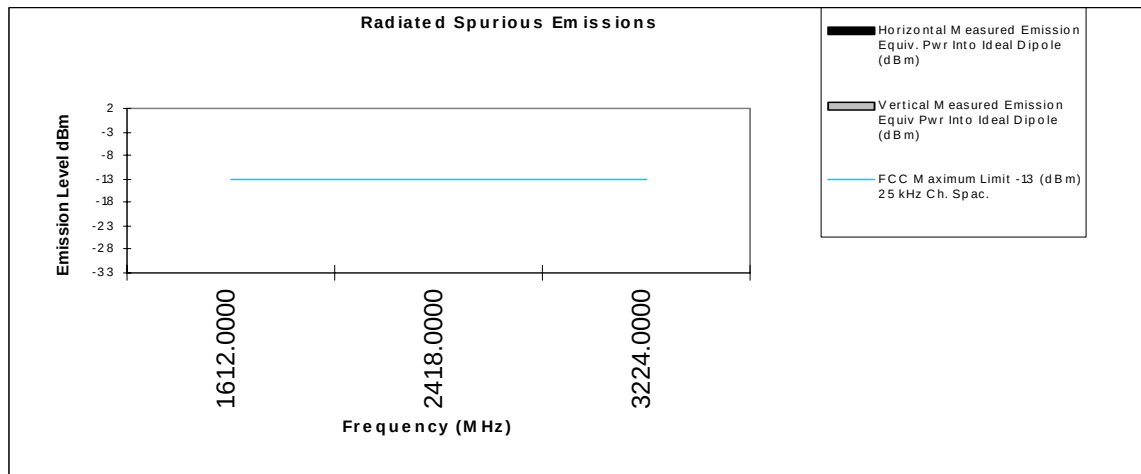
806 MHz

Channel Spacing 25KHz

Battery:

NNTN4930A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1612.0000	-13	-	-33.90
3XFund	2418.0000	-13	-	*
4XFund	3224.0000	-13	*	-



- * Indicates the spurious emission was less than -33dBm or could not be detected due to noise limitations or ambients.
- Indicates that the test condition has been satisfied at another frequency within the same Band .

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Transmitter Radiated Spurious Emissions:

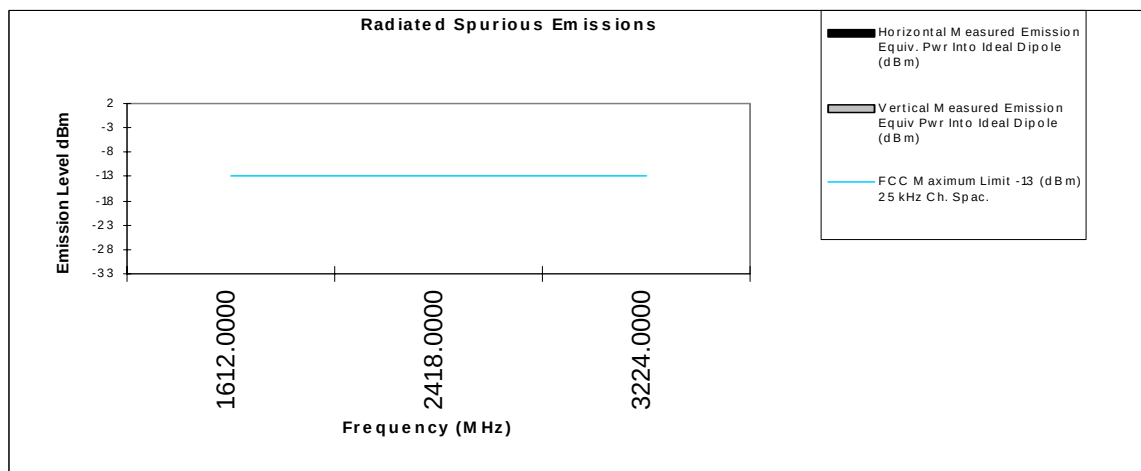
806 MHz

Channel Spacing 25KHz

Battery:

NNTN5195A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1612.0000	-13	-	*
3XFund	2418.0000	-13	-	*
4XFund	3224.0000	-13	-	*



- * Indicates the spurious emission was less than -33dBm or could not be detected due to noise limitations or ambients.

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Transmitter Radiated Spurious Emissions:

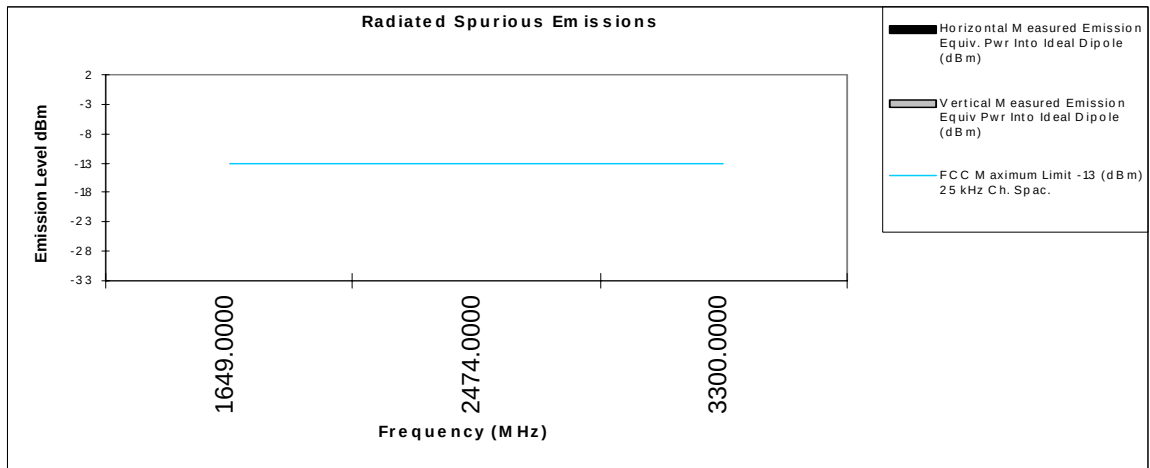
825 MHz

Channel Spacing 25KHz

Battery:

NNTN4930A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1649.0000	-13	-	-36.50
3XFund	2474.0000	-13	*	-
4XFund	3300.0000	-13	*	-



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Transmitter Radiated Spurious Emissions:

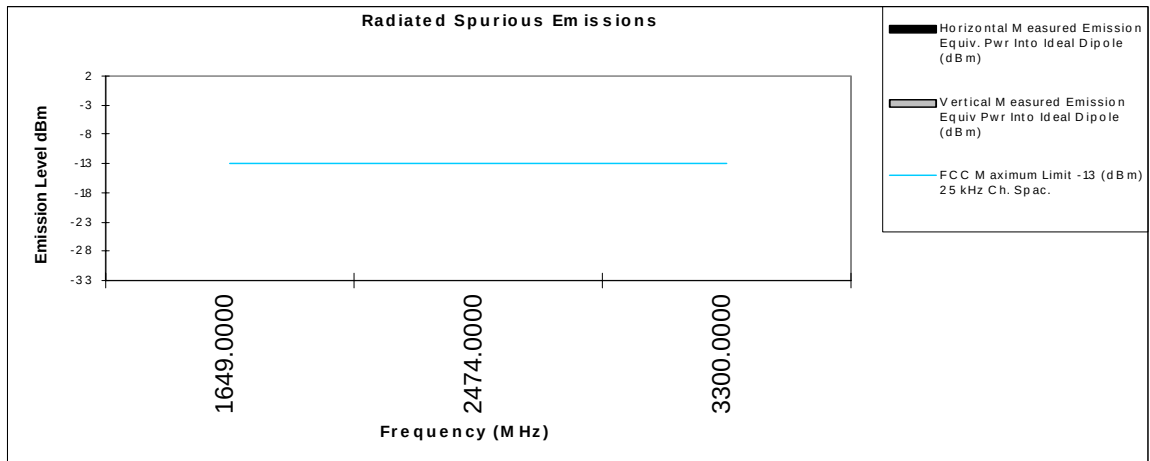
825 MHz

Channel Spacing 25KHz

Battery:

NNTN5195A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1649.0000	-13	*	-
3XFund	2474.0000	-13	*	-
4XFund	3300.0000	-13	*	-



* Indicates the spurious emission was less than -33dBm or could not be detected due to noise limitations or ambients.
 - Indicates that the test condition has been satisfied at another frequency within the same Band .

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Transmitter Radiated Spurious Emissions:

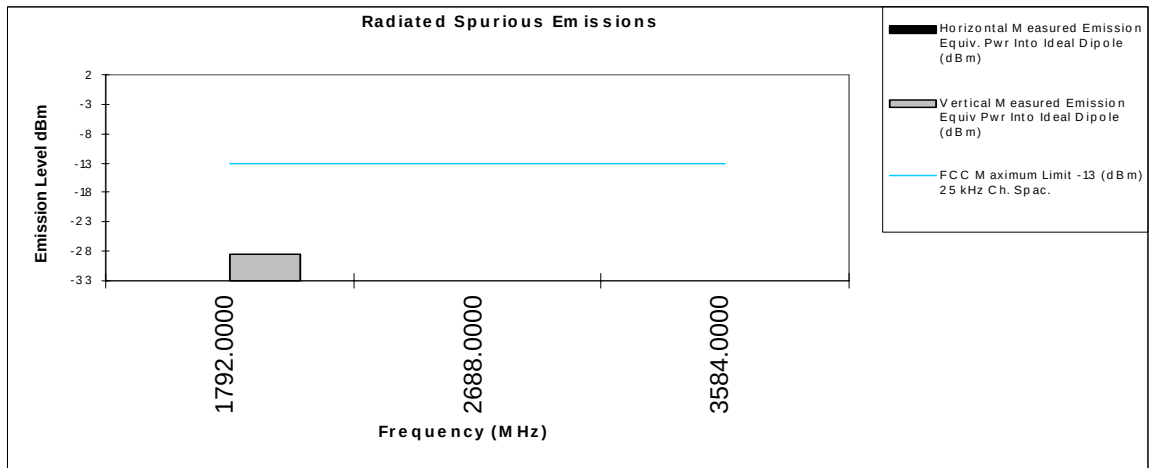
896 MHz

Channel Spacing 25KHz

Battery:

NNTN4930A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1792.0000	-13	-	-28.40
3XFund	2688.0000	-13	-	*
4XFund	3584.0000	-13	*	-



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Transmitter Radiated Spurious Emissions:

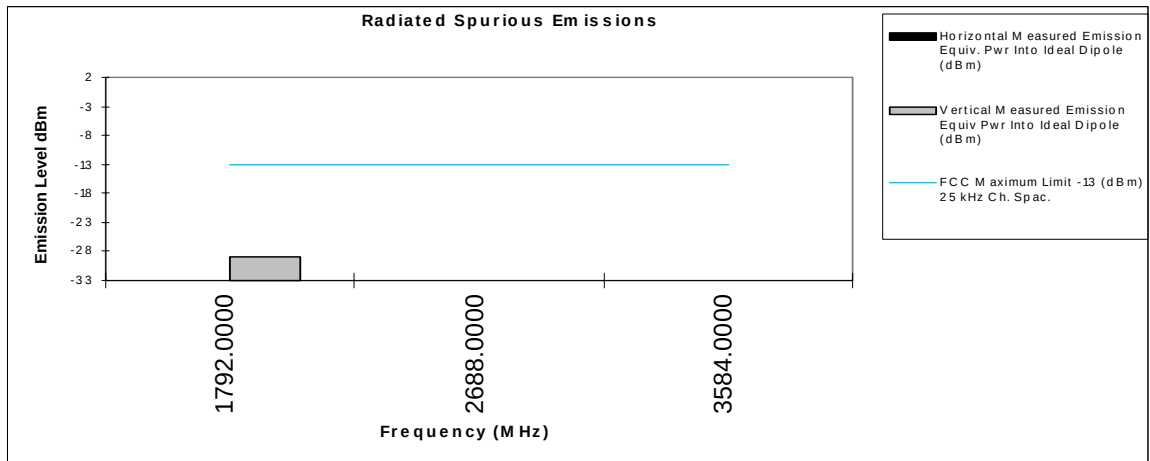
896 MHz

Channel Spacing 25KHz

Battery:

NNTN5195A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1792.0000	-13	-	-28.90
3XFund	2688.0000	-13	-	*
4XFund	3584.0000	-13	-	*



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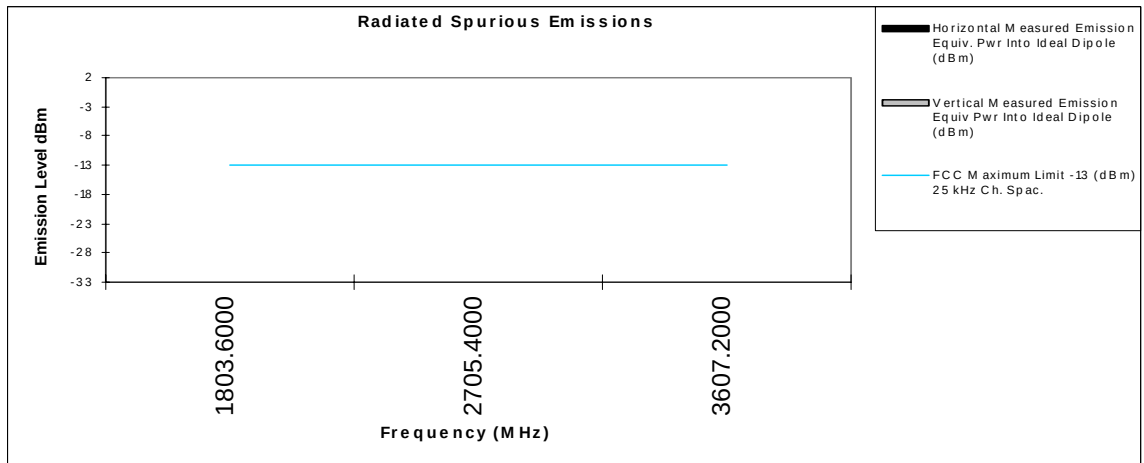
Transmitter Radiated Spurious Emissions:

901.8 MHz

Channel Spacing 25KHz

Battery: NNTN4930A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1803.6000	-13	-	*
3XFund	2705.4000	-13	*	-
4XFund	3607.2000	-13	-	*



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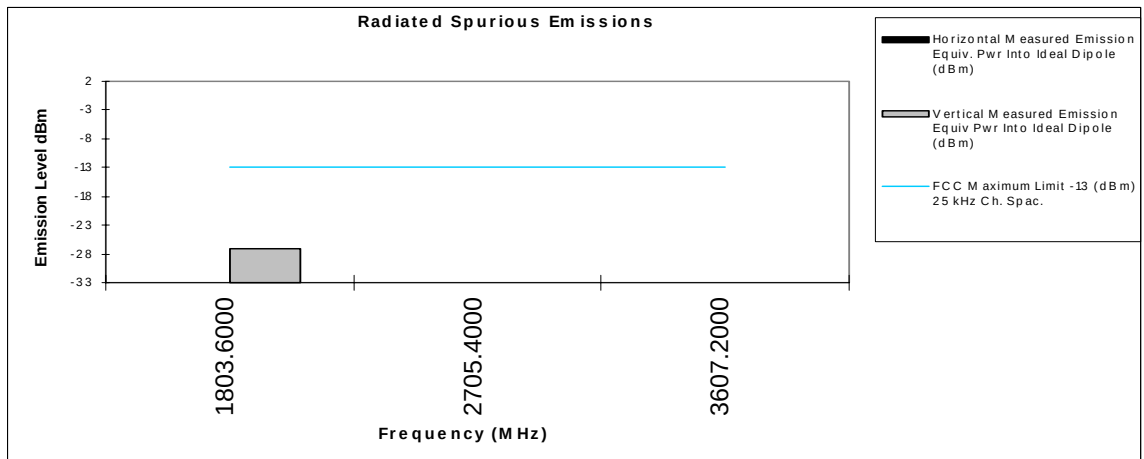
Transmitter Radiated Spurious Emissions:

901.8 MHz

Channel Spacing 25KHz

Battery: NNTN5195A

Spur	Frequency (MHz)	FCC Maximum Limit -13 (dBm) 25 kHz Ch. Spac.	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
2XFund	1803.6000	-13	-	-27.10
3XFund	2705.4000	-13	*	-
4XFund	3607.2000	-13	-	*



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