

6.4. Radiated Spurious Emissions Data (Revised) –Pursuant 47 CFR 2.993,2.997, 90.210(g) and 90.691(a)

The following radiated spurious emissions data tested on Frequency 813.5625MHz has been revised.

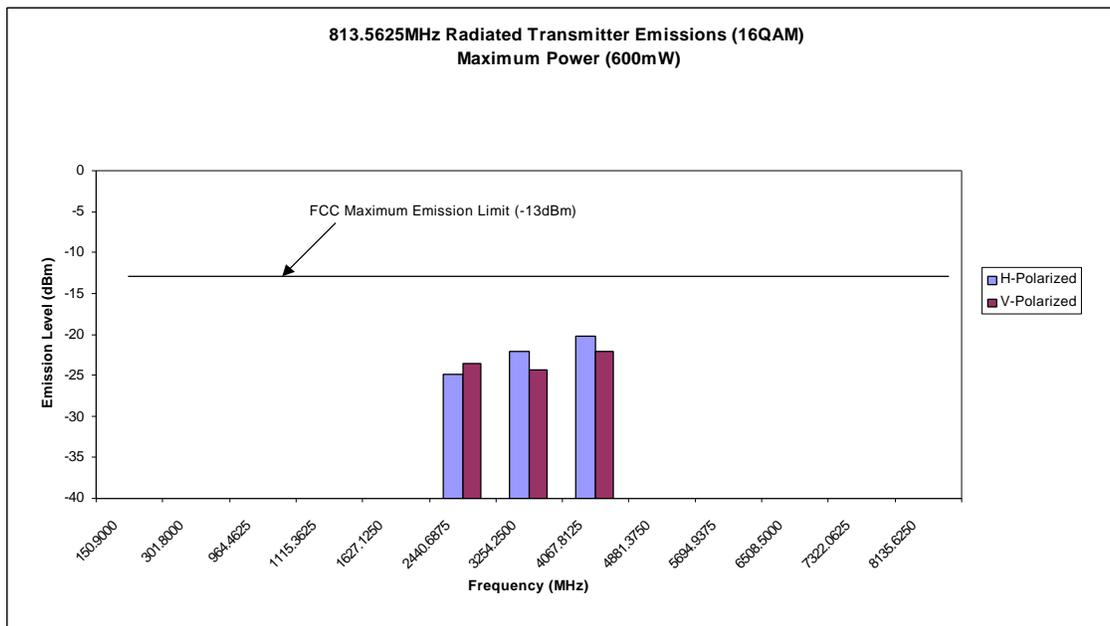


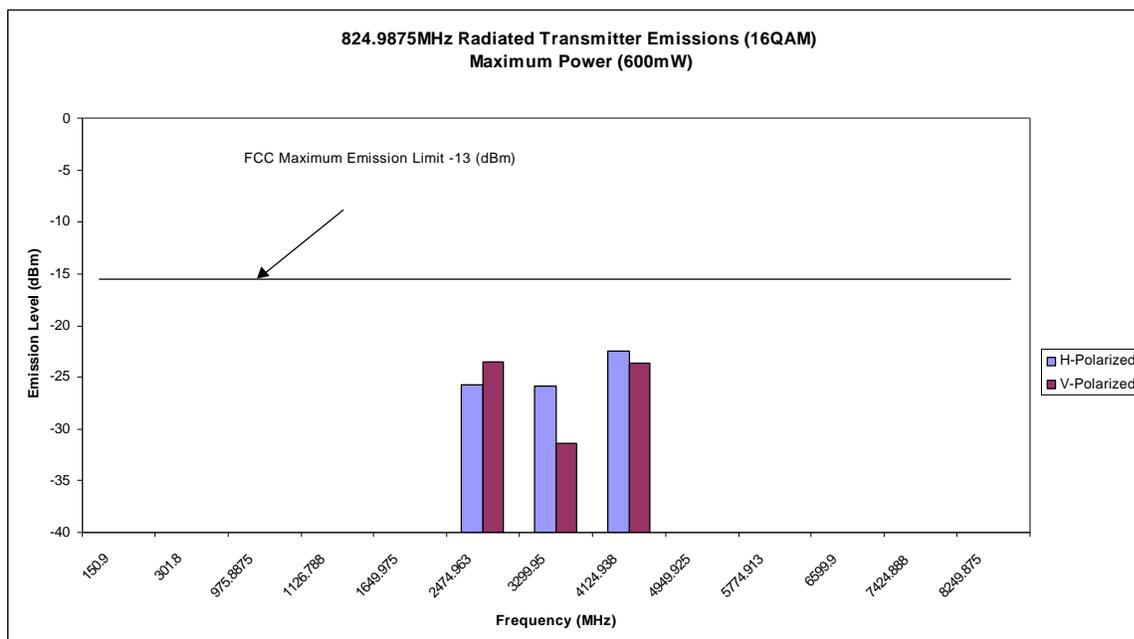
Table 6-1 Radiated Transmitter Spurious Emissions Data (Revised): 813.5625MHz Maximum Power (600 mw)

Frequency	Description	FCC Maximum Emission Limit (dBm)	Measured Emission Equivalent Power Into an Ideal Dipole (dBm)	
			Horizontal Polarization	Vertical Polarization
150.900	IF	-13	<-40	
301.800	2xIF	-13	<-40	
964.4625	LO	-13	<-40	
1115.3625	IF+LO	-13	<-40	
1627.125	2xFUND	-13	<-40	
2440.6875	3xFUND	-13	-24.9	-23.6
3254.250	4xFUND	-13	-22.0	-24.3 *
4067.8125	5xFUND	-13	-20.2	-22.0 **
4881.375	6xFUND	-13	<-40	
5694.9375	7xFUND	-13	<-40	
6508.500	8xFUND	-13	****	
7322.0625	9xFUND	-13	****	
8135.625	10xFUND	-13	****	

\* Note: Original filing 4<sup>th</sup> Harmonic was -24.2dBm(Horizontal) and -29.2dBm(Vertical)

\*\* Note: Original filing 5<sup>th</sup> Harmonic was -32.1dBm(Horizontal) and -28.8dBm(Vertical)

\*\*\* Note: Measured emissions below -40 dBm were not reported.



\*\*\*\* Note: Measured noise floor (-28.69 dBm), limited by test setup and equipment.

Table 6-2: Transmitter Radiated Spurious Emissions Data (Revised) 824.9875MHz - Maximum Power(600mW)

Frequency (MHz)	Description	FCC Maximum Emission Limit (dBm)	Measured Emission Equivalent Power Into an Ideal Dipole (dBm)	
			Horizontal Polarization	Vertical Polarization
150.9	IF	-13	<-40	
301.8	2xIF	-13	<-40	
975.8875	LO	-13	<-40	
1126.7875	IF+LO	-13	<-40	
1649.975	2xFUND	-13	<-40	
2474.9625	3xFUND	-13	-25.8	-23.5
3299.95	4xFUND	-13	-25.9	-31.4 *
4124.9375	5xFUND	-13	-22.5	-23.6 **
4949.925	6xFUND	-13	<-40	
5774.9125	7xFUND	-13	<-40	
6599.9	8xFUND	-13	****	
7424.8875	9xFUND	-13	****	
8249.875	10xFUND	-13	****	

\* Note: Original filing 4<sup>th</sup> Harmonic was -30.2dBm(Horizontal) and -33.9dBm(Vertical)  
 \*\* Note: Original filing 5<sup>th</sup> Harmonic was -35.8dBm(Horizontal) and -36.9dBm(Vertical)  
 \*\*\* Note: Measured emissions below -40 dBm were not reported.  
 \*\*\*\* Note: Measured noise floor (-28.69 dBm), limited by test setup and equipment.

Table 6-3 Transmitter Radiated Spurious Emissions Data  
 (Revised) 813.5625MHz – Minimum Power (0.2 mW)  
 (No chart is shown because all measured emissions  
 are below -40dBm)

Frequency (MHz)	Description	FCC Maximum Emission Limit (dBm)	Measured Emission Equivalent Power Into an Ideal Dipole (dBm)	
			Horizontal Polarization	Vertical Polarization
150.900	IF	-13	<-40	
301.800	2xIF	-13	<-40	
964.4625	LO	-13	<-40	
1115.3625	IF+LO	-13	<-40	
1627.125	2xFUND	-13	<-40	
2440.6875	3xFUND	-13	<-40	
3254.250	4xFUND	-13	<-40	
4067.8125	5xFUND	-13	<-40	
4881.375	6xFUND	-13	<-40	
5694.9375	7xFUND	-13	<-40	
6508.500	8xFUND	-13	**	
7322.0625	9xFUND	-13	**	
8135.625	10xFUND	-13	**	

\* Note: Measured emissions below -40 dBm were not reported.

\*\* Note: Measured noise floor (-28.69 dBm), limited by test setup and equipment.

Table 6-4 Transmitter Radiated Spurious Emissions Data  
 (Revised): 824.9875MHz – Minimum Power (0.2 mw)  
 (No chart is shown because all measured emissions  
 are below -40dBm)

Freq (MHz)	Description	FCC Maximum Emission Limit (dBm)	Measured Emission Equivalent Power Into an Ideal Dipole (dBm)	
			Horizontal Polarization	Vertical Polarization
150.900	IF	-13	<-40	
301.800	2xIF	-13	<-40	
964.4625	LO	-13	<-40	
1115.3625	IF+LO	-13	<-40	
1627.125	2xFUND	-13	<-40	
2440.6875	3xFUND	-13	<-40	
3254.250	4xFUND	-13	<-40	
4067.8125	5xFUND	-13	<-40	
4881.375	6xFUND	-13	<-40	
5694.9375	7xFUND	-13	<-40	
6508.500	8xFUND	-13	**	
7322.0625	9xFUND	-13	**	
8135.625	10xFUND	-13	**	

\* Note: Measured emissions below –40 dBm were not reported.

\*\* Note: Measured noise floor (-28.69 dBm), limited by test setup and equipment.

6.5. Conducted Spurious Emissions Data -- Pursuant 47 CFR 2.991, 2.997, 90.210 (g) and 90.691.

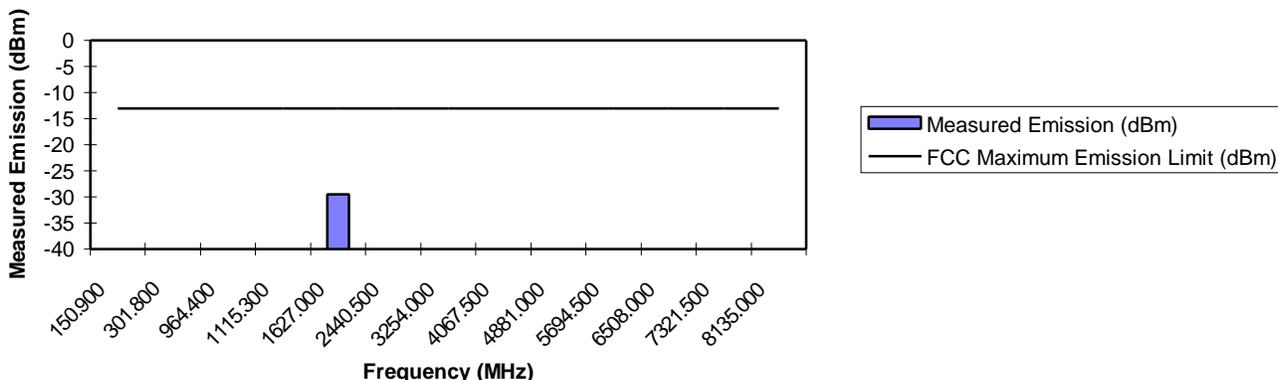
Conducted Path: 50 Ohm Connector

Frequency: 806 – 825 MHz

Output Power: 0.6 W

FCC Emission Limit: less than -13dBm

**813.5625MHz Conducted Transmitter Emissions(Revised)  
Maximum Power**



**Table 6-5(Revised): 813.5625MHz  
Transmitter Conducted Spurious Emissions Data- Maximum Power**

Spurious Emission Frequency (MHz)	Description	Power (dBm)	Attenuation (dBc)	Margin to FCC Specification (dB)
1627.15	2 <sup>nd</sup> Harmonic	-29.57*	57.35	16.57
All other Spurious Emissions	All other Harmonics & Spurious Emissions	< -40 **	67.8	>27

\* Note: Original filing 2nd Harmonic was -39.0dBm

\*\* Note: Emissions below -40dBm are not reported.

**Table 6-6(Revised): 813.5625MHz  
Transmitter Conducted Spurious Emissions Data- Minimum Power**

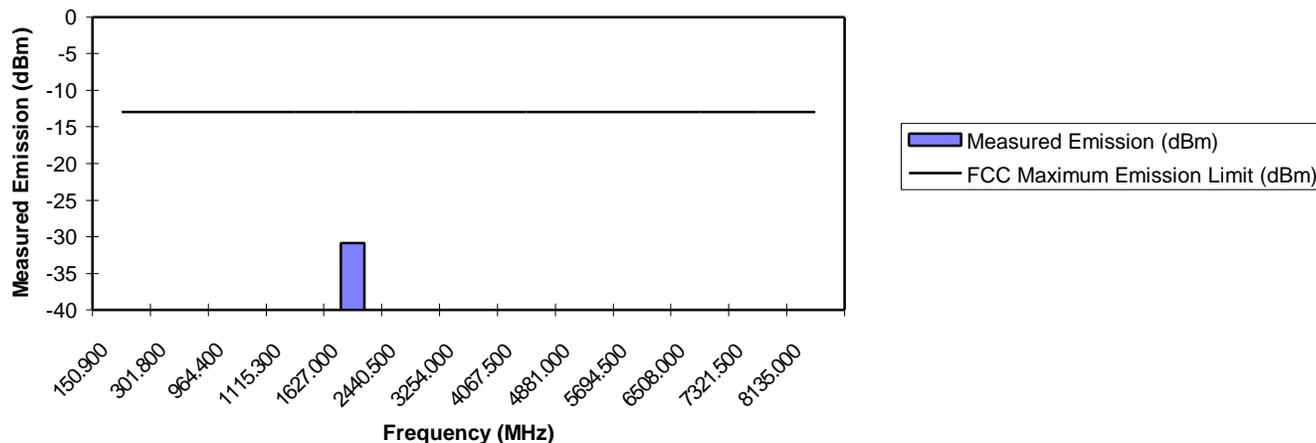
Spurious Emission Frequency (MHz)	Description	Power (dBm)	Attenuation (dBc)	Margin to FCC Specification (dB)
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All Spurious Emissions	All Harmonics & Spurious Emissions	< -40 **	67.8	>27
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\*\* Note: Emissions below -40dBm are not reported.

Note: Transmitter Conducted Spurious Emissions Data at Minimum Power are below -40dBm and are not reported.

### 824.9875MHz Conducted Transmitter Emissions (Revised) Maximum Power



**Table 6-7(Revised): 824.9875MHz  
Transmitter Conducted Spurious Emissions Data-Maximum Power**

Spurious Emission Frequency (MHz)	Description	Power (dBm)	Attenuation (dBc)	Margin to FCC Specification (dB)
1627.15	2 <sup>nd</sup> Harmonic	-30.9 *	58.7	17.9
All other Spurious Emissions	All other Harmonics & Spurious Emissions	< -40 **	67.8	>27

\* Note: Original filing 2nd Harmonic was -39.0dBm

\*\* Note: Emissions below -40dBm are not reported.

**Table 6-8(Revised): 824.9875MHz  
Transmitter Conducted Spurious Emissions Data- Minimum Power**

Spurious Emission Frequency (MHz)	Description	Power (dBm)	Attenuation (dBc)	Margin to FCC Specification (dB)
All Spurious Emissions	All Harmonics & Spurious Emissions	< -40 **	67.8	>27

\*\*\* Note: Emissions below -40dBm are not reported.

Note: Transmitter Conducted Spurious Emissions Data at Minimum Power are below -40dBm and are not reported.