

INDEX OF SUBMITTED MEASURED DATA FOR PART 22, PART 74, AND PART 80

This exhibit contains the measured data for this equipment as follows:

EXHIBIT 6A (ADDENDUM) - RF Power Output (Table)

EXHIBIT 6E (SUPPLEMENTAL) – Modulation Techniques and Occupied Bandwidth (8 Spectrum Analyzer Plots)

- 6E-21 – 25 kHz, 2500 Hz Audio Modulation Only, 30 Watts, 158.490 MHz (PART 22)
- 6E-22 – 25 kHz, 2500 Hz Audio Modulation Only, 30 Watts, 158.490 MHz (CLOSE-UP) (PART 22)
- 6E-23 – 25 kHz, 2500 Hz Audio Modulation Only, 30 Watts, 161.625 MHz (PART 74)
- 6E-24 – 25 kHz, 2500 Hz Audio Modulation Only, 30 Watts, 161.625 MHz (CLOSE-UP) (PART 74)
- 6E-25 – 12.5 kHz, 2500 Hz Audio Modulation Only, 30 Watts, 158.490 MHz (PART 74)
- 6E-26 – 12.5 kHz, 2500 Hz Audio Modulation Only, 30 Watts, 158.490 MHz (CLOSE-UP) (PART 74)
- 6E-27 – 25 kHz, 2500 Hz Audio Modulation Only, 10 Watts, 157.000 MHz (PART 80)
- 6E-28 – 25 kHz, 2500 Hz Audio Modulation Only, 10 Watts, 157.000 MHz (CLOSE-UP) (PART 80)

EXHIBIT 6F (ADDENDUM) - Conducted Spurious Emissions (8 Graphs)

- 6F-7 – 30 Watts, 158.490 MHz (PART 22)
- 6F-8 – 30 Watts, 161.625 MHz (PART 74)
- 6F-9 – 30 Watts, 170.150 MHz (PART 74)
- 6F-10 – 10 Watts, 157.000 MHz (PART 80)
- 6F-11 – 1 Watt, 158.490 MHz (PART 22)
- 6F-12 – 1 Watt, 161.625 MHz (PART 74)
- 6F-13 – 1 Watt, 170.150 MHz (PART 74)
- 6F-14 – 1 Watt, 157.000 MHz (PART 80)

EXHIBIT 6G (ADDENDUM) – Radiated Spurious Emissions – (8 Graphs)

- 6G-17 – 30 Watts, 158.490 MHz, 25 kHz (PART 22)
- 6G-18 – 30 Watts, 161.625 MHz, 25 kHz (PART 74)
- 6G-19 – 30 Watts, 170.150 MHz, 12.5 kHz (PART 74)
- 6G-20 – 10 Watts, 157.000 MHz, 25 kHz (PART 80)
- 6G-21 – 1 Watt, 158.490 MHz, 25 kHz (PART 22)
- 6G-22 – 1 Watt, 161.625 MHz, 25 kHz (PART 74)
- 6G-23 – 1 Watt, 170.150 MHz, 12.5 kHz (PART 74)
- 6G-24 – 1 Watt, 157.000 MHz, 25 kHz (PART 80)

RF OUTPUT DATA

The RF power output was measured with the indicated voltage applied to and current into the final RF amplifying device, pursuant to 47 CFR 2.1033(c)(8) and 2.1046.

Serial Number of Radio: **776TPH0067**

HIGH POWER SETTING, FREQUENCY 158.490 MHz (PART 22)

Measured RF Output Power:	30.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	4.68 Amperes
Measured DC Input Power:	63.6 Watts

LOW POWER SETTING, FREQUENCY 158.490 MHz (PART 22)

Measured RF Output Power:	1.0 Watt
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	1.27 Amperes
Measured DC Input Power:	17.3 Watts

HIGH POWER SETTING, FREQUENCY 161.625 MHz (PART 74)

Measured RF Output Power:	30.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	4.55 Amperes
Measured DC Input Power:	61.8 Watts

LOW POWER SETTING, FREQUENCY 158.490 MHz (PART 74)

Measured RF Output Power:	1.0 Watt
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	1.26 Amperes
Measured DC Input Power:	17.1 Watts

HIGH POWER SETTING, FREQUENCY 170.150 MHz (PART 74)

Measured RF Output Power:	30.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	4.40 Amperes
Measured DC Input Power:	59.8 Watts

LOW POWER SETTING, FREQUENCY 170.150 MHz (PART 74)

Measured RF Output Power:	1.0 Watt
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	1.23 Amperes
Measured DC Input Power:	16.7 Watts

HIGH POWER SETTING, FREQUENCY 157.000 MHz (PART 80)

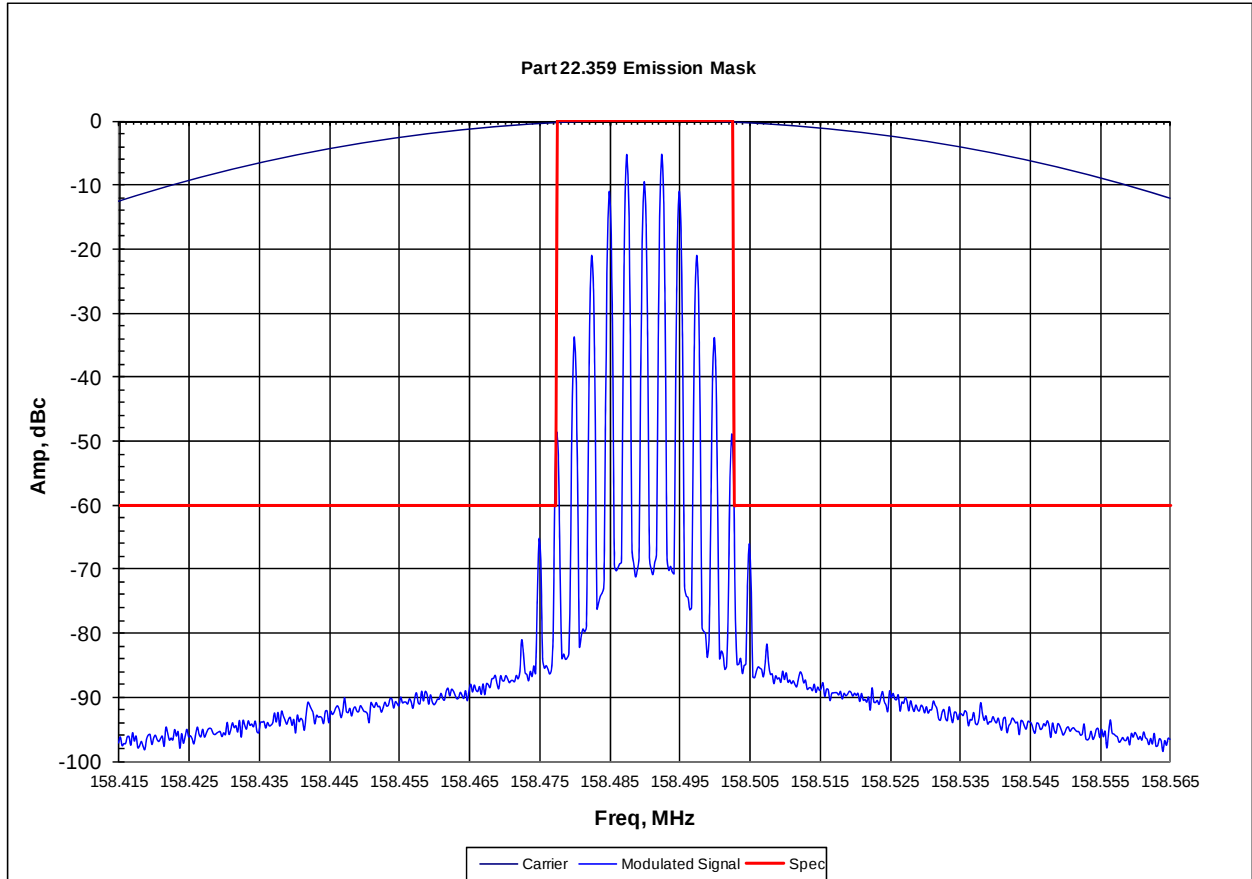
Measured RF Output Power:	10.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	2.84 Amperes
Measured DC Input Power:	38.6 Watts

LOW POWER SETTING, FREQUENCY 157.000 MHz (PART 80)

Measured RF Output Power:	1.0 Watts
Measured DC Voltage:	13.6 Volts
Measured DC Input Current:	1.27 Amperes
Measured DC Input Power:	17.3 Watts

OCCUPIED BANDWIDTH MEASUREMENT FOR 158.490 MHz
25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: Part 22.359

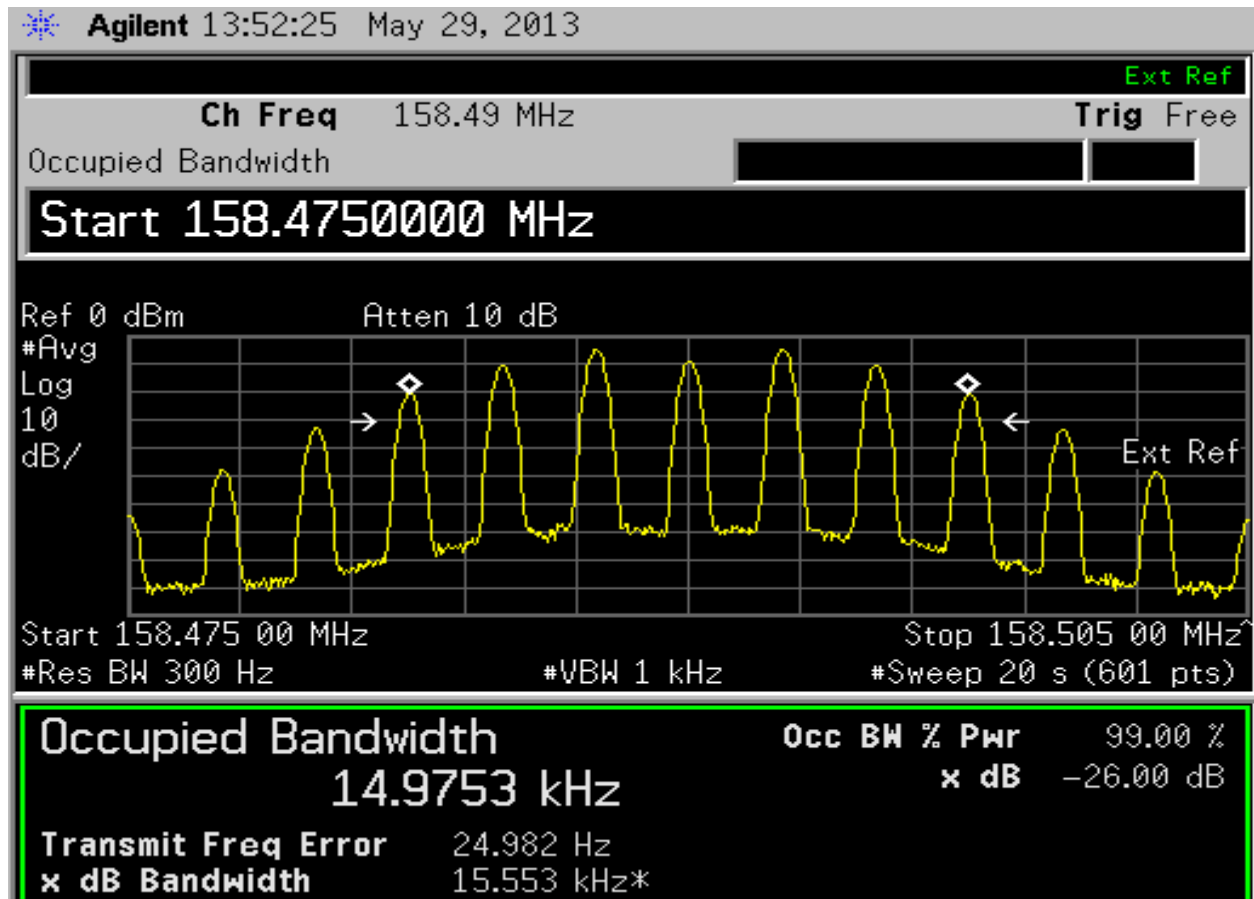
Supertanapa: PMUD3241AABNAA; Model: AAM02JNH9JA1AN; S/N: 776TPH0067



CENTER FREQUENCY:	158.490 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	150 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (44.77 dBm = 30W)
ATTENUATION:	45 dB

OCCUPIED BANDWIDTH MEASUREMENT FOR 158.490 MHz
25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: Part 22.359

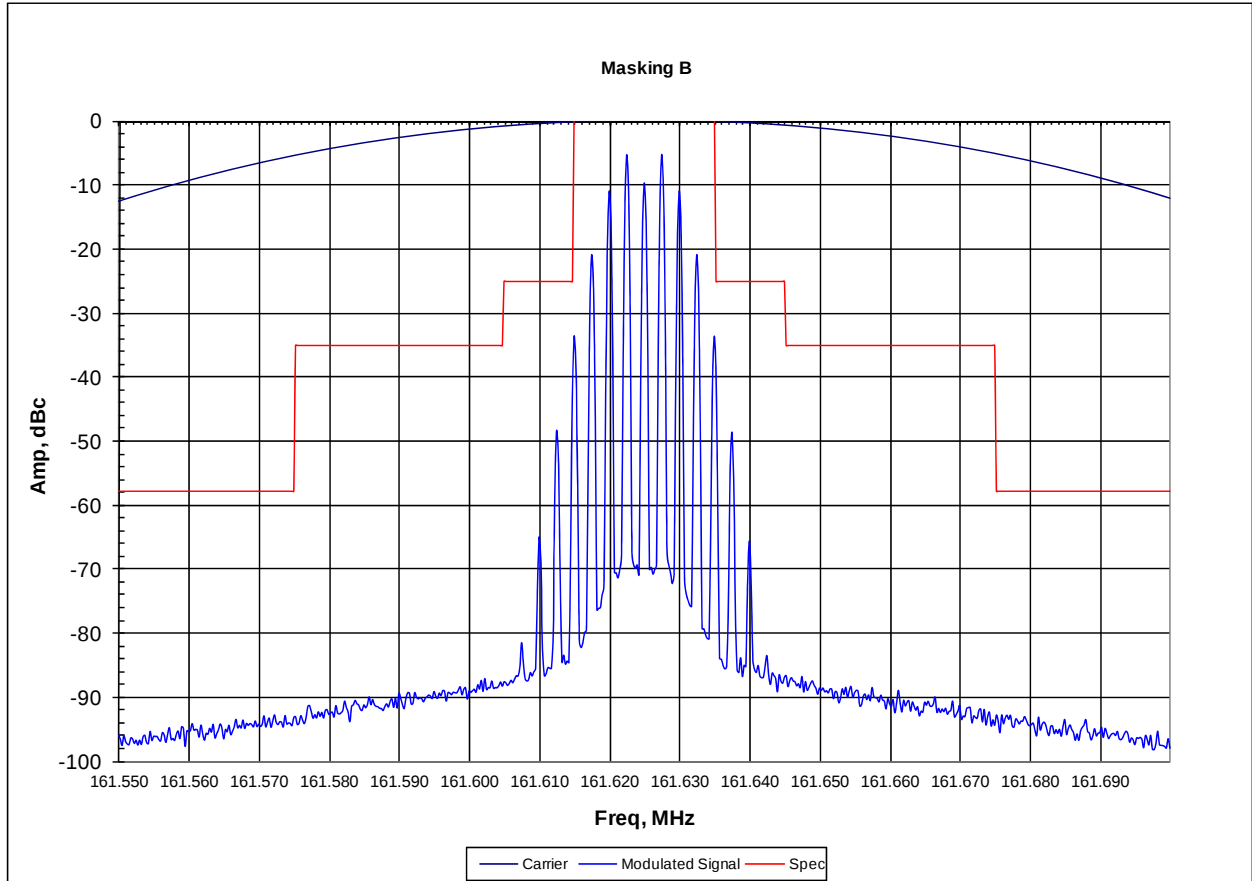
Supertanapa: PMUD3241AABNAA; Model: AAM02JNH9JA1AN; S/N: 776TPH0067
 (CLOSE-UP FOR MEASURED OCCUPIED BW)



CENTER FREQUENCY:	158.490 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	30 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	3 kHz/div
SWEEP TIME:	20 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (44.77 dBm = 30W)
ATTENUATION:	45 dB
MEASURED OCCUPIED BW:	14.9753 kHz

OCCUPIED BANDWIDTH MEASUREMENT FOR 161.625 MHz
25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: B (PART 74)

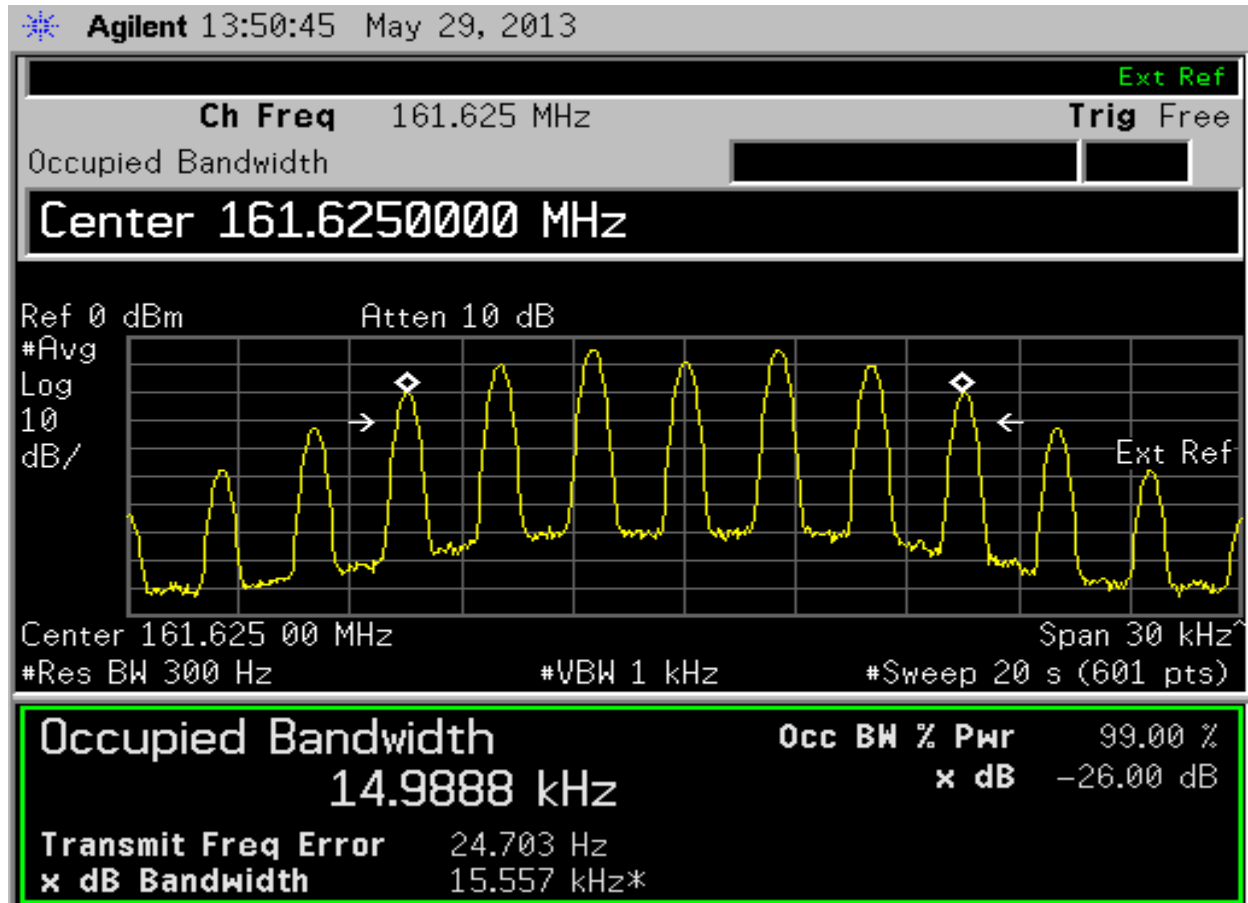
Supertanapa: PMUD3241AABNAA; Model: AAM02JNH9JA1AN; S/N: 776TPH0067



CENTER FREQUENCY:	161.625 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	150 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (44.77 dBm = 30W)
ATTENUATION:	45 dB

OCCUPIED BANDWIDTH MEASUREMENT FOR 161.625 MHz
 25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
 EMISSION MASK: B (PART 74)

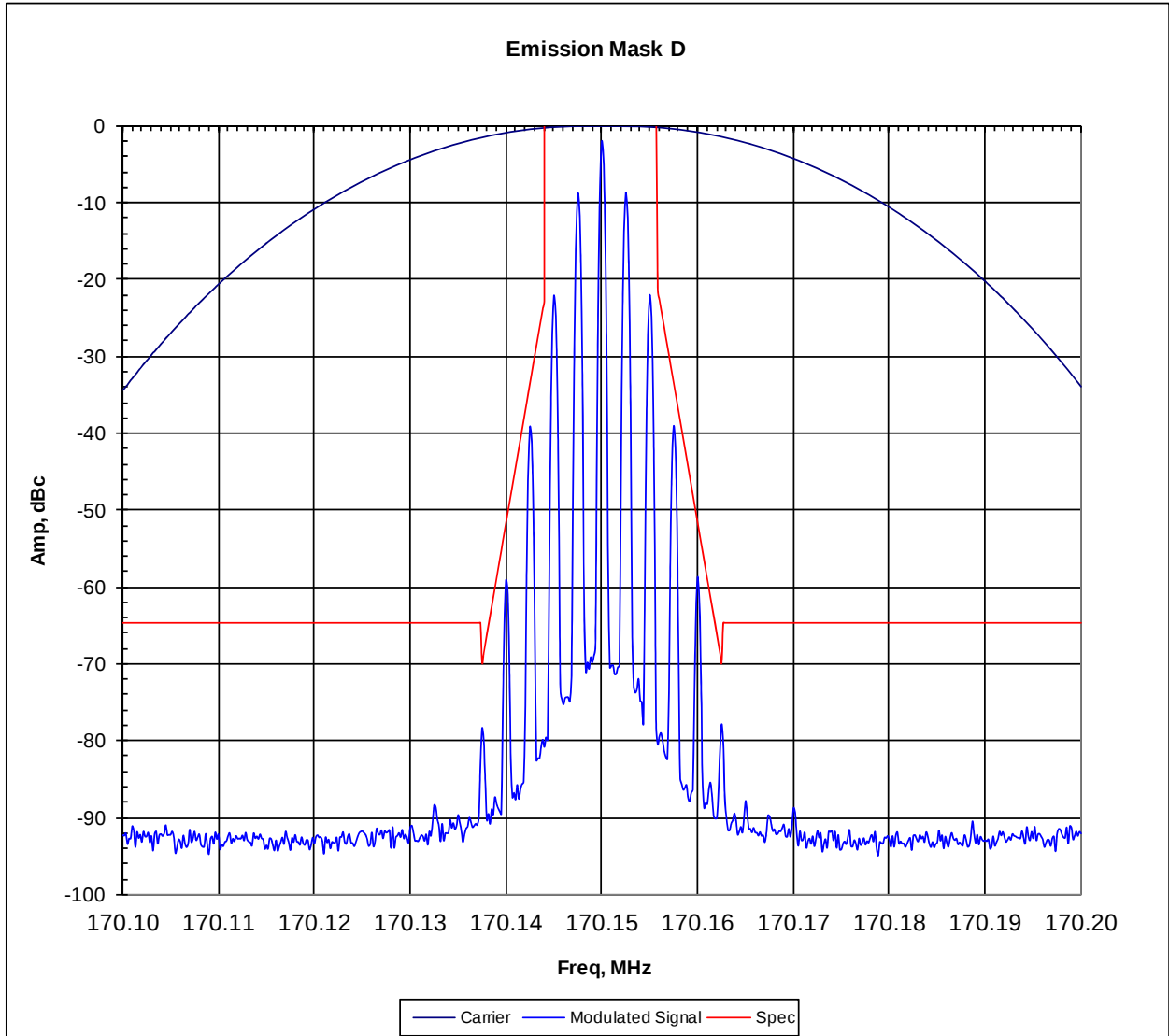
Supertanapa: PMUD3241AABNAA; Model: AAM02JNH9JA1AN; S/N: 776TPH0067
 (CLOSE-UP FOR MEASURED OCCUPIED BW)



CENTER FREQUENCY:	161.625 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	30 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	3 kHz/div
SWEEP TIME:	20 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (44.77 dBm = 30W)
ATTENUATION:	45 dB
MEASURED OCCUPIED BW:	14.9888 kHz

OCCUPIED BANDWIDTH MEASUREMENT FOR 170.150 MHz
12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: D (PART 74)

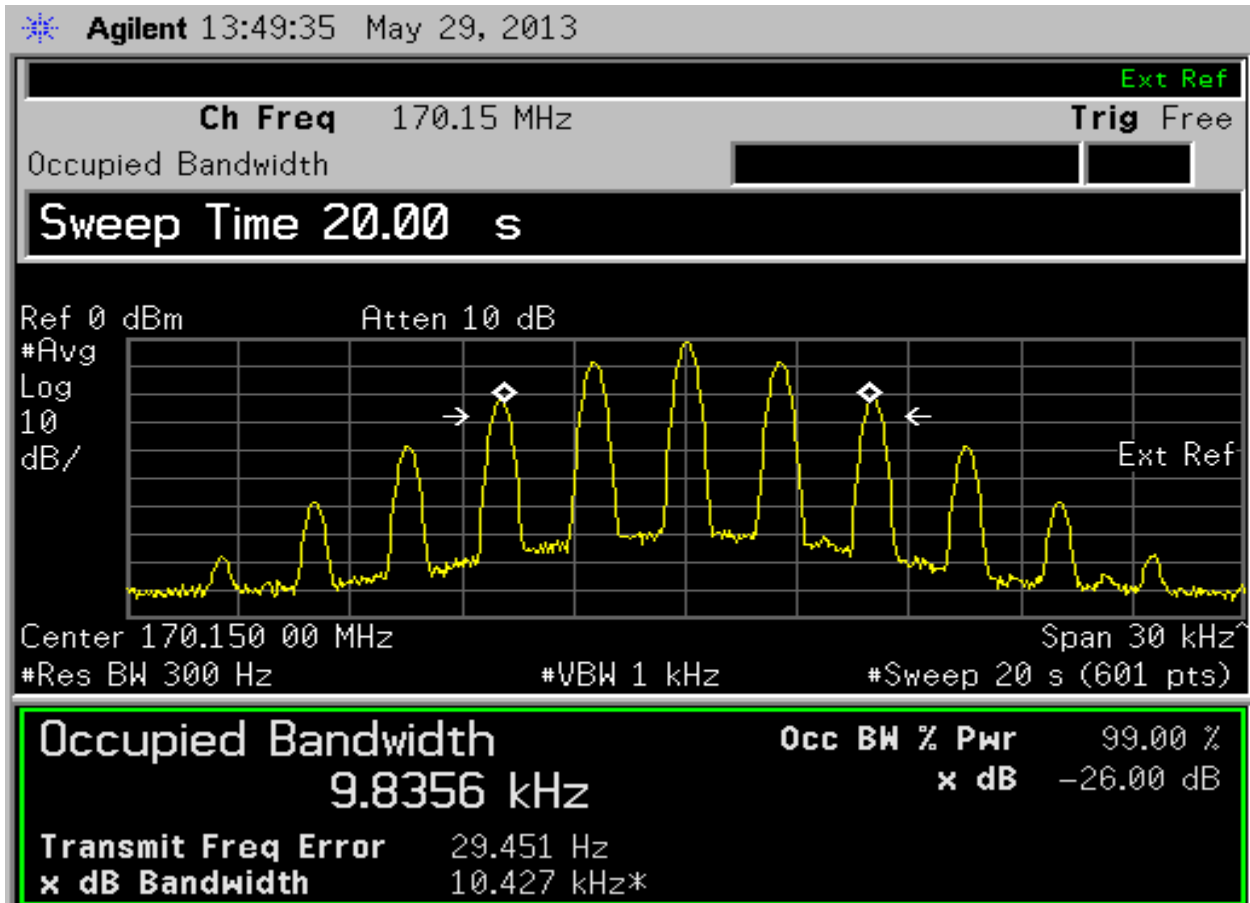
Supertanapa: PMUD3241AABNAA; Model: AAM02JNH9JA1AN; S/N: 776TPH0067



CENTER FREQUENCY:	170.150 MHz
RESOLUTION BANDWIDTH:	100 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	100 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (44.77 dBm = 30W)
ATTENUATION:	45 dB

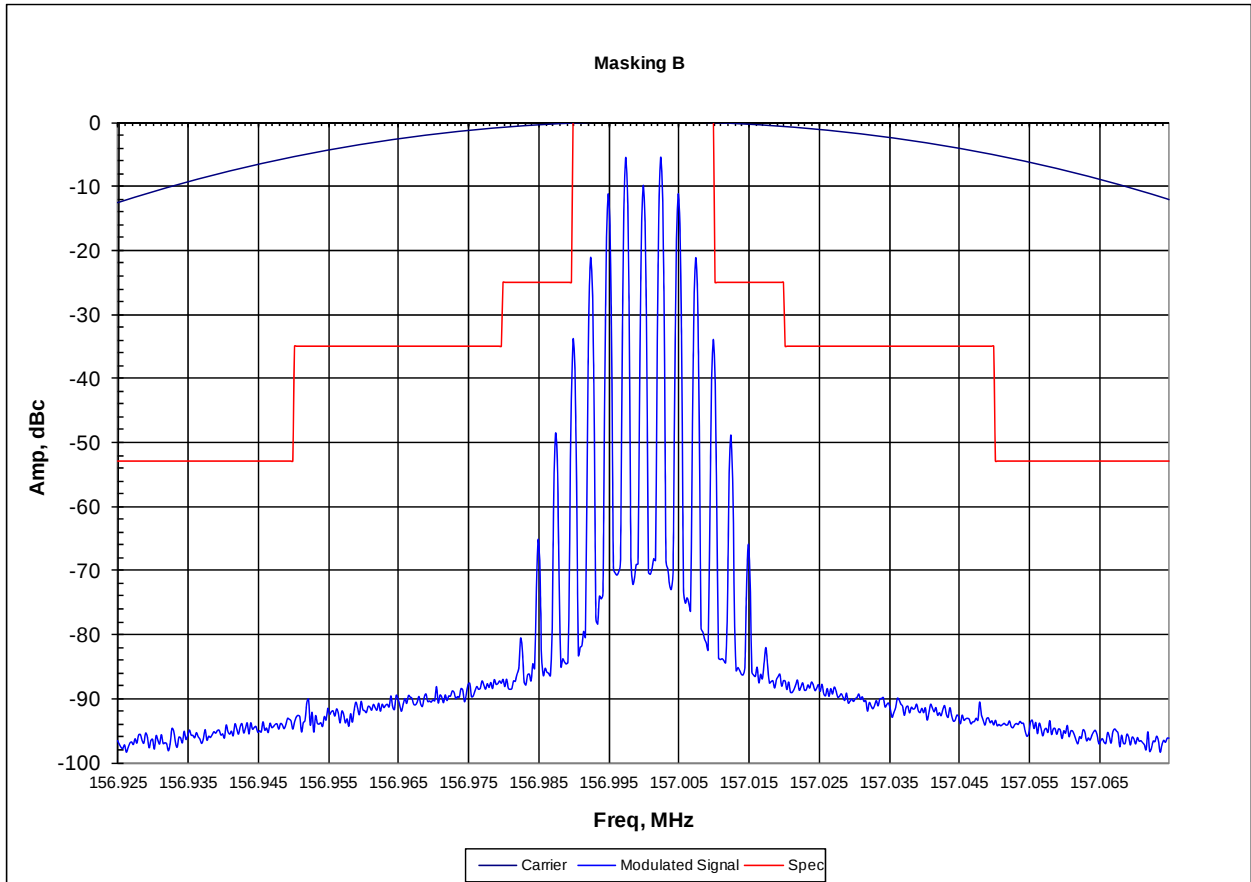
OCCUPIED BANDWIDTH MEASUREMENT FOR 170.150 MHz
 12.5 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
 EMISSION MASK: D (PART 74)

Supertanapa: PMUD3241AABNAA; Model: AAM02JNH9JA1AN; S/N: 776TPH0067
 (CLOSE-UP FOR MEASURED OCCUPIED BW)



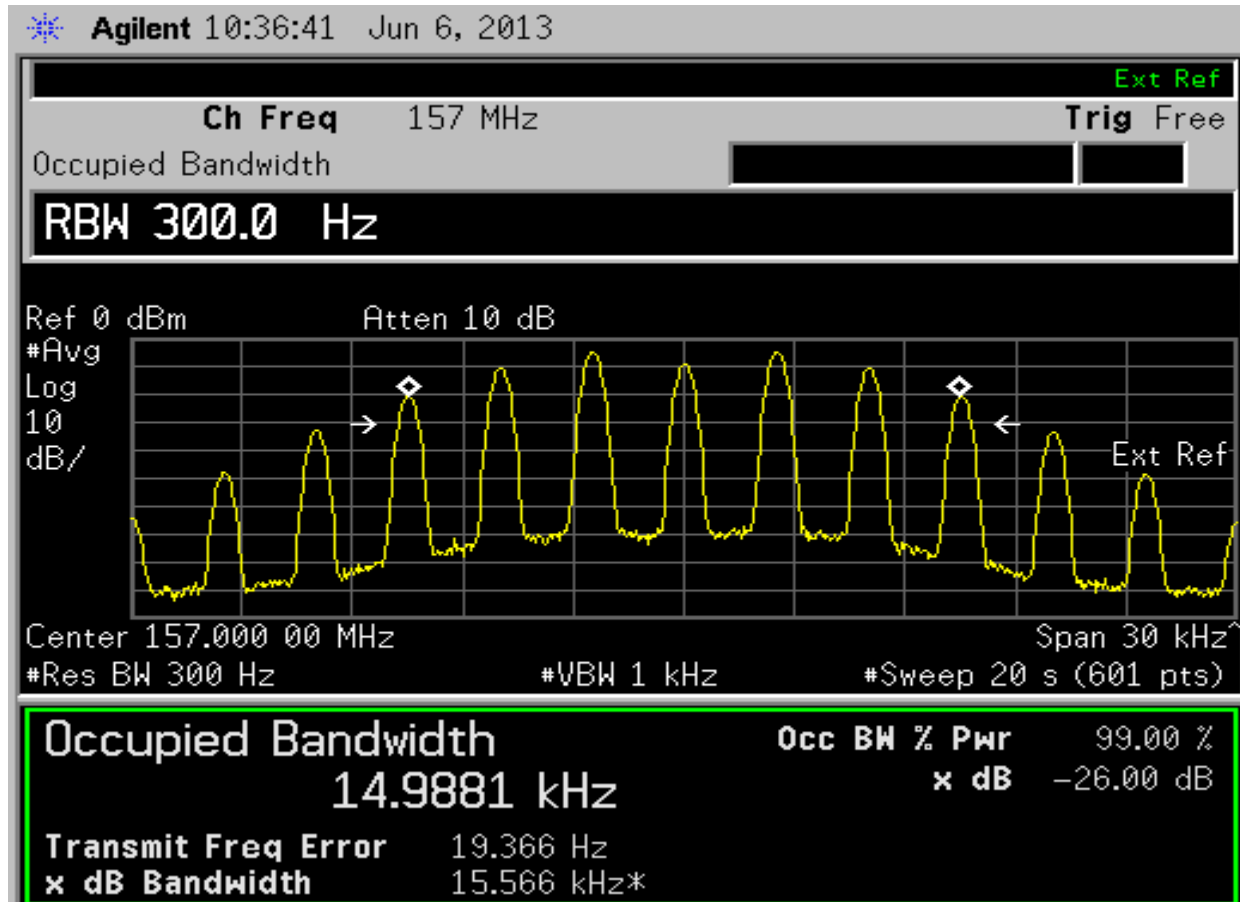
CENTER FREQUENCY:	170.150 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	30 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	20 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (44.77 dBm = 30W)
ATTENUATION:	45 dB
MEASURED OCCUPIED BW:	9.8356 KHz

OCCUPIED BANDWIDTH MEASUREMENT FOR 157.000 MHz
25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: B (PART 80)



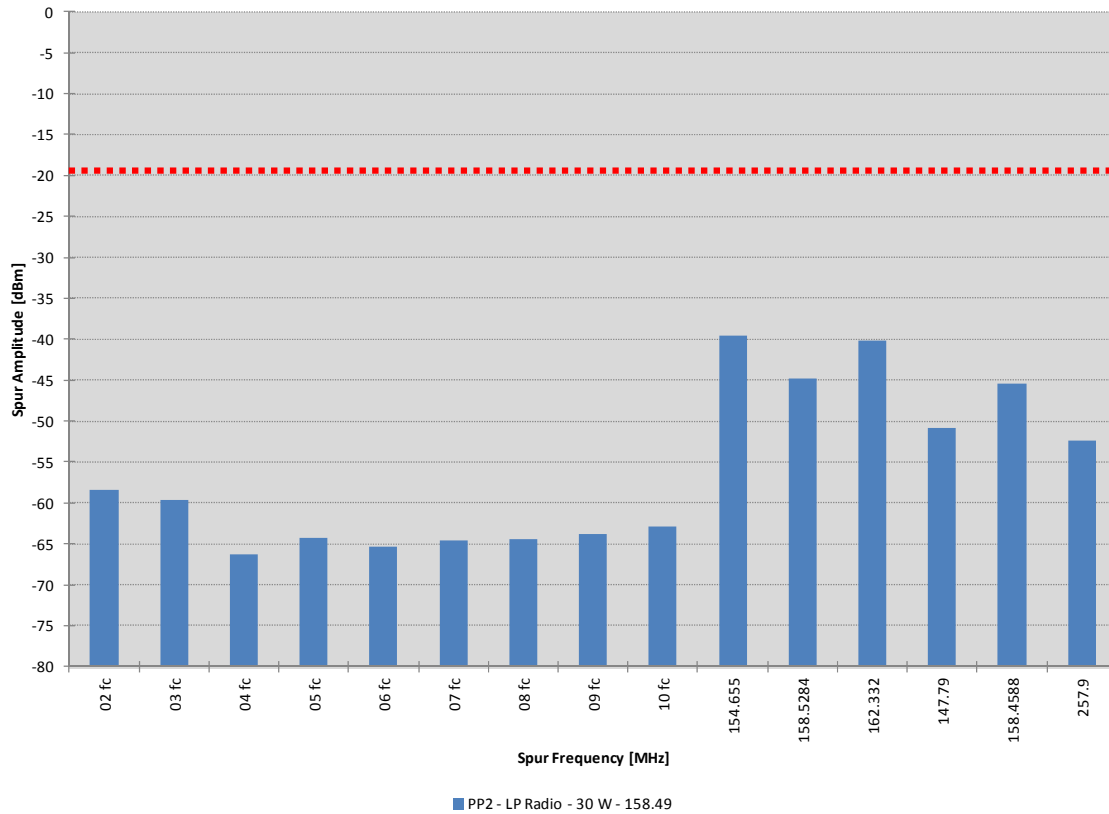
CENTER FREQUENCY:	157.00 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	150 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	50 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (40 dBm = 10W)
ATTENUATION:	40 dB

OCCUPIED BANDWIDTH MEASUREMENT FOR 157.000 MHz
25 kHz CHANNEL SPACING, 2500 Hz TONE, CARRIER SQUELCH
EMISSION MASK: B (PART 80)
(CLOSE-UP FOR MEASURED OCCUPIED BW)



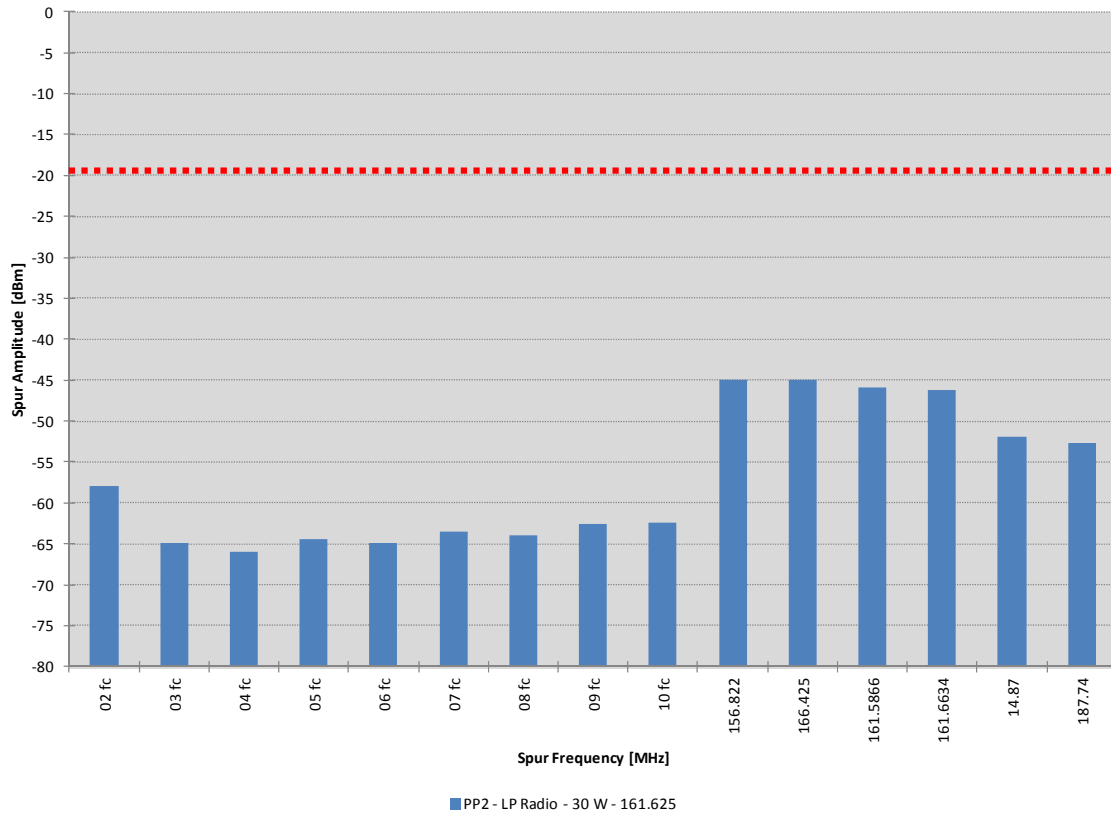
CENTER FREQUENCY:	157.00 MHz
RESOLUTION BANDWIDTH:	300 Hz
VIDEO BANDWIDTH:	1 kHz
SPAN:	30 kHz
DETECTOR MODE:	AVG
HORIZONTAL SCALE:	10 kHz/div
SWEEP TIME:	20 Sec.
VERTICAL SCALE:	10 dB/div
REFERENCE LEVEL:	0 dB (40 dBm = 10W)
ATTENUATION:	40 dB
MEASURED OCCUPIED BW:	14.9881 kHz

CONDUCTED SPURIOUS EMISSIONS
HIGH POWER (30W), 158.490 MHz, 25 kHz BW Spacing
PART 22
S/N: 776TPH0067



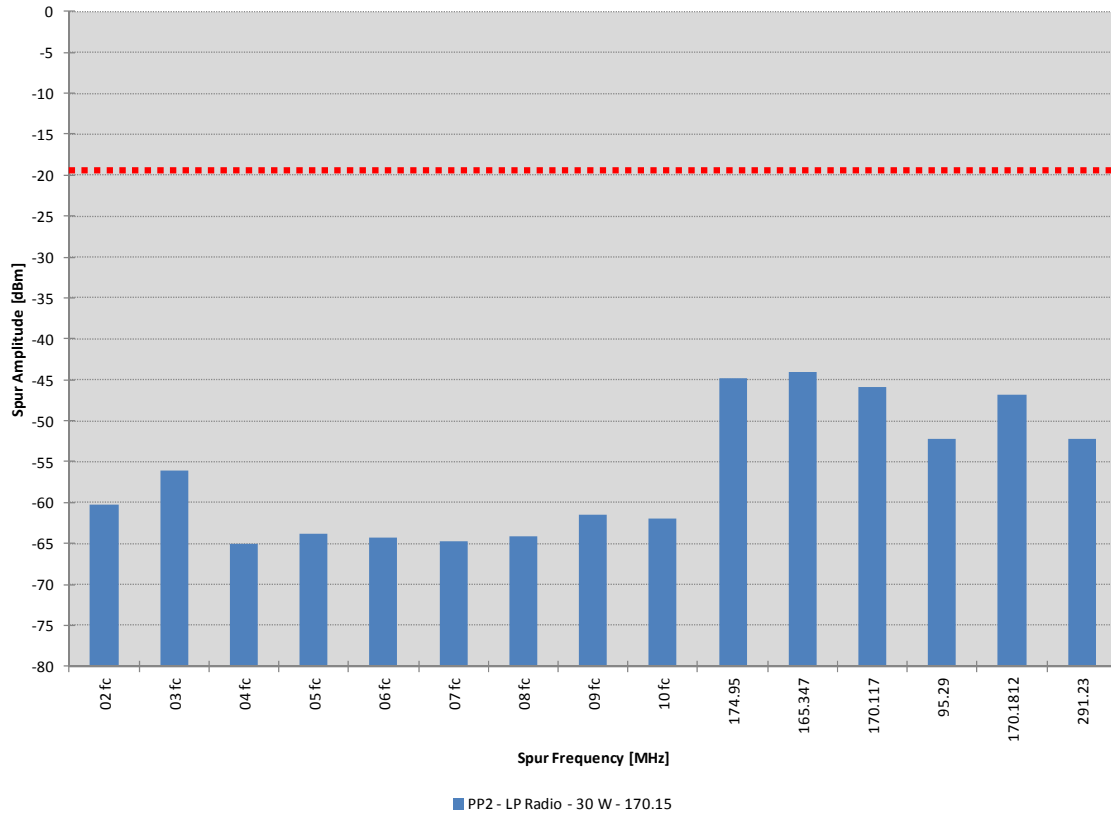
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm

CONDUCTED SPURIOUS EMISSIONS
HIGH POWER (30W), 161.625 MHz, 25 kHz BW Spacing
PART 74
S/N: 776TPH0067



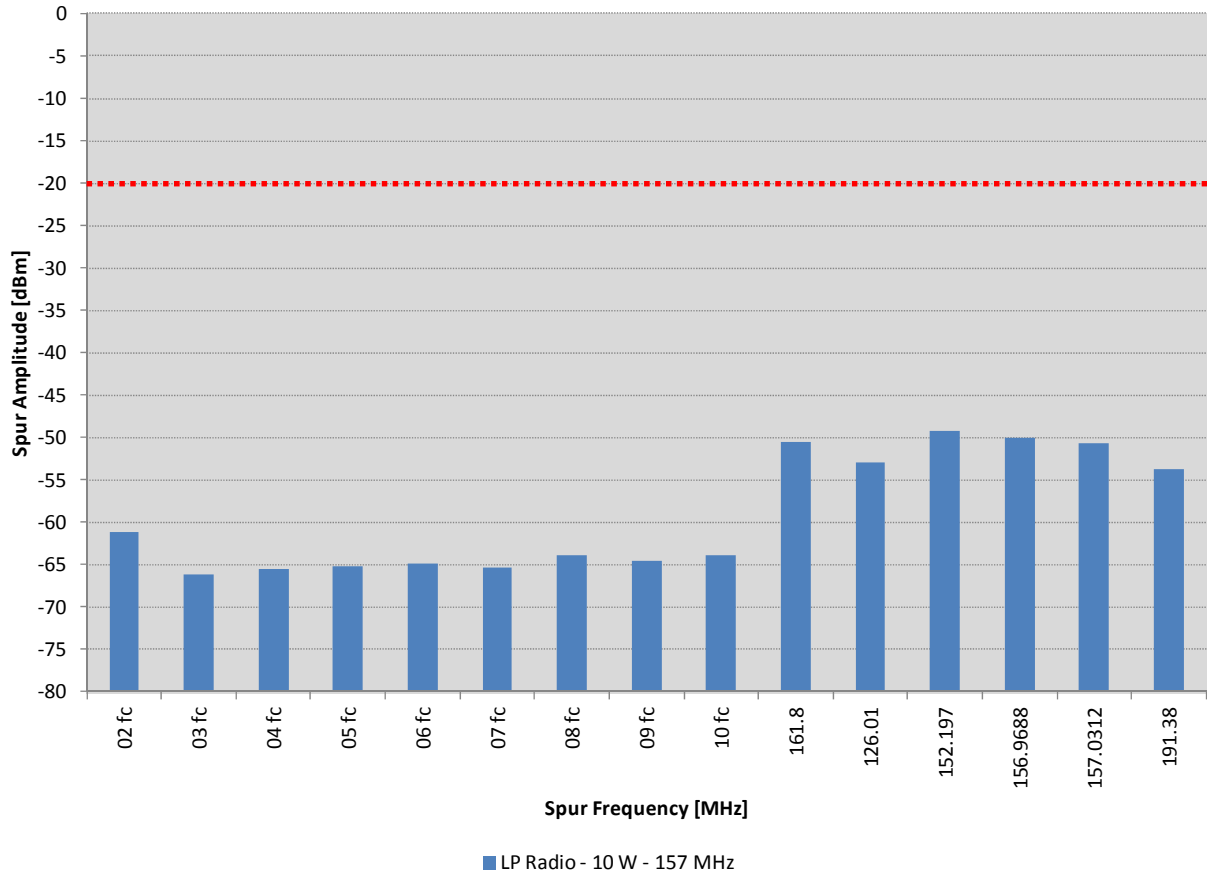
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

CONDUCTED SPURIOUS EMISSIONS
HIGH POWER (30W), 170.150 MHz, 12.5 kHz BW Spacing
PART 74
S/N: 776TPH0067



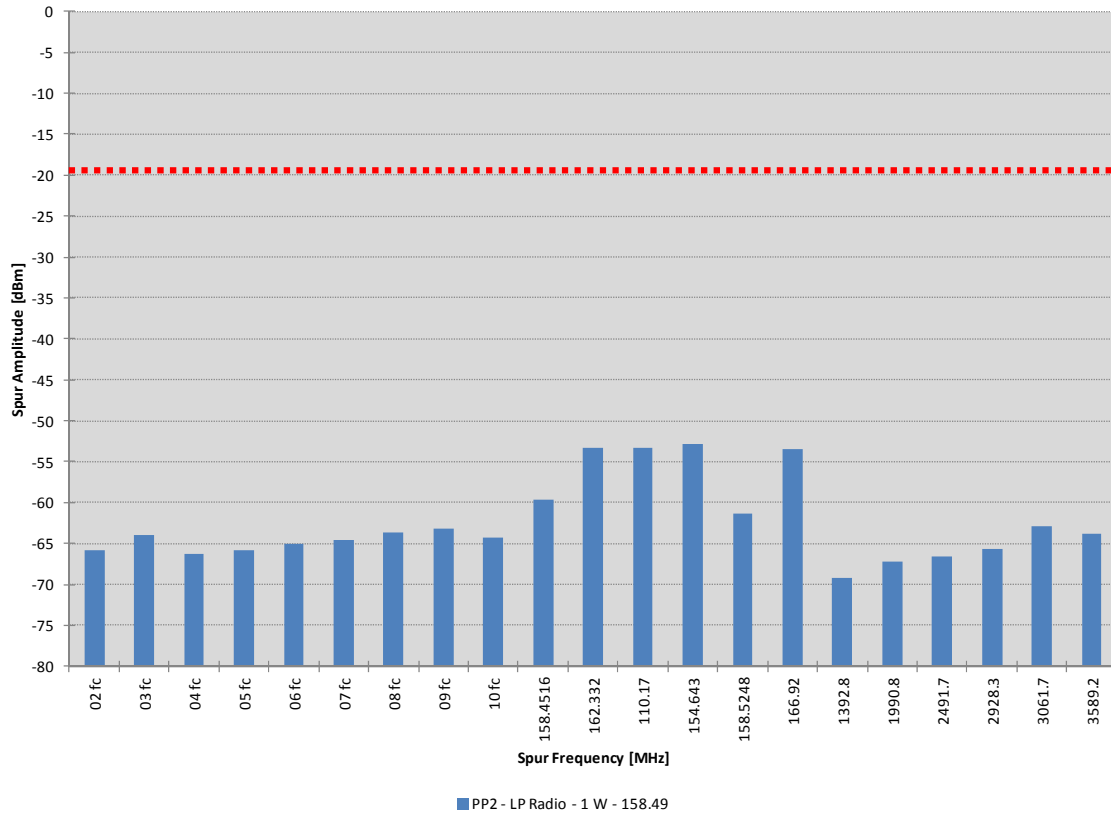
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

CONDUCTED SPURIOUS EMISSIONS
HIGH POWER (10W), 157.000 MHz, 25 kHz BW Spacing
PART 80
S/N: 776TPH0067



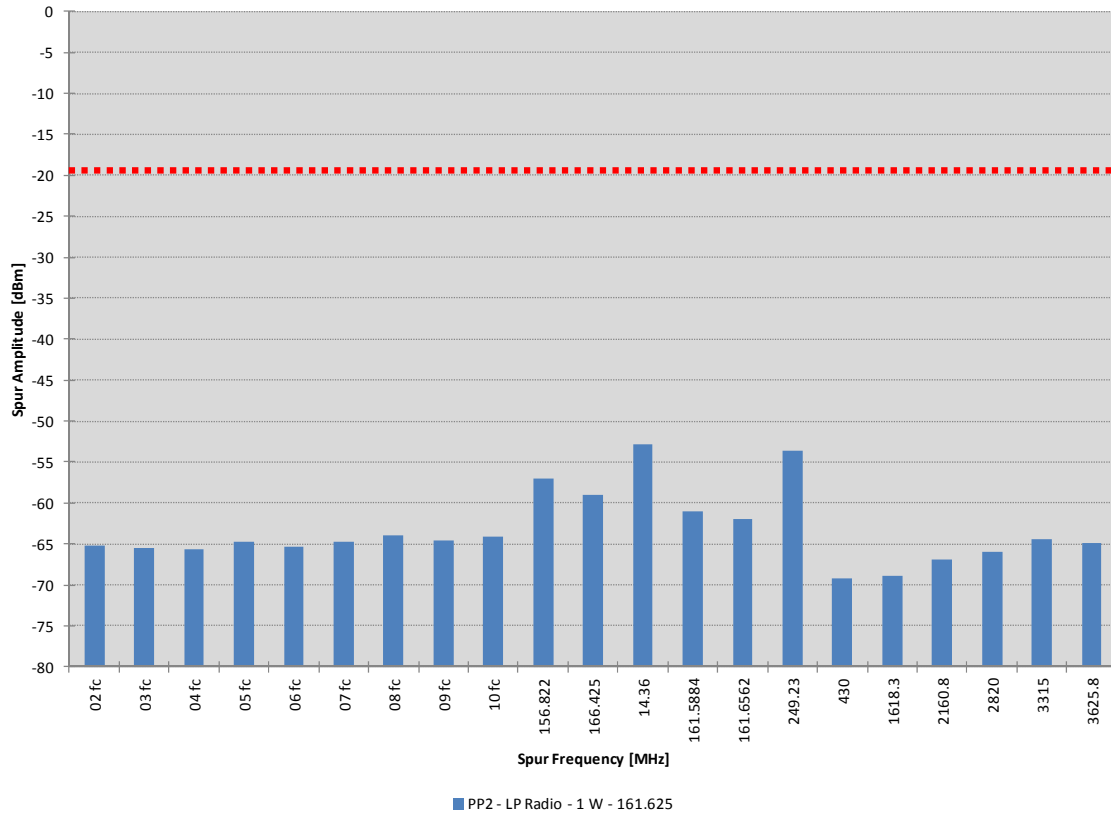
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

CONDUCTED SPURIOUS EMISSIONS
LOW POWER (1W), 158.490 MHz, 25 kHz BW Spacing
PART 22
S/N: 776TPH0067



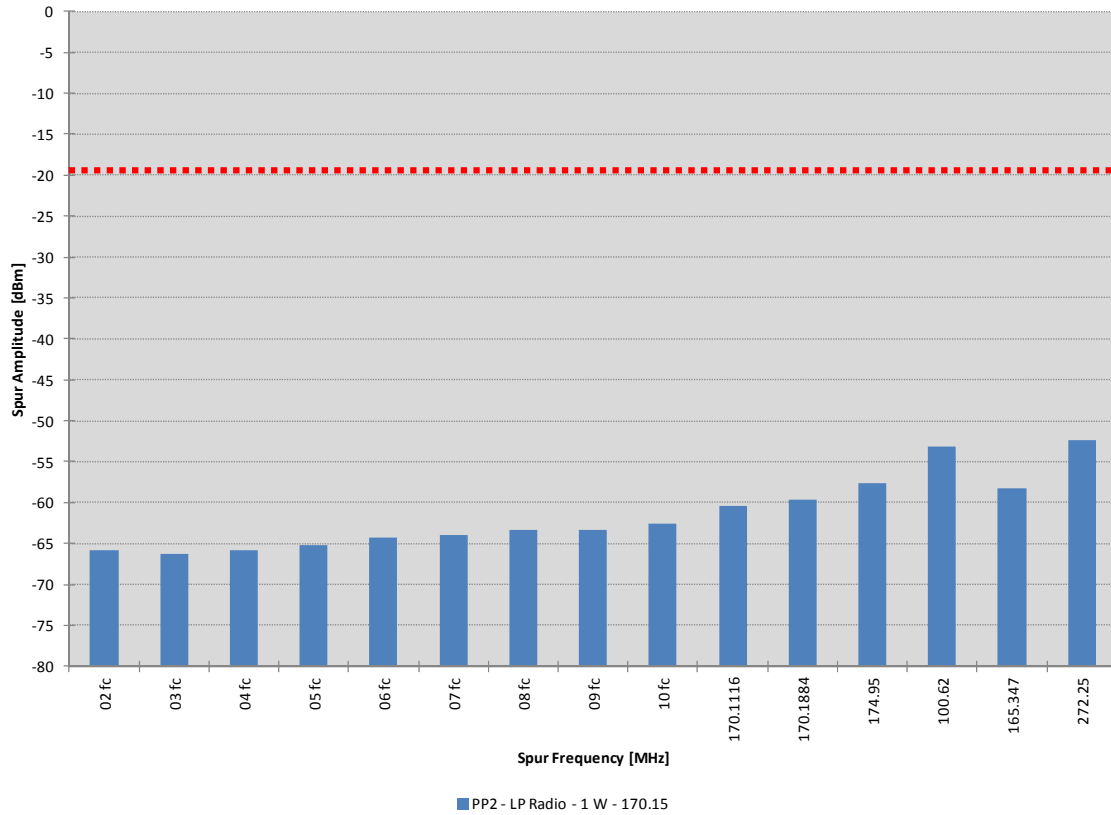
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

CONDUCTED SPURIOUS EMISSIONS
LOW POWER (1W), 161.625 MHz, 25 kHz BW Spacing
PART 74
S/N: 776TPH0067



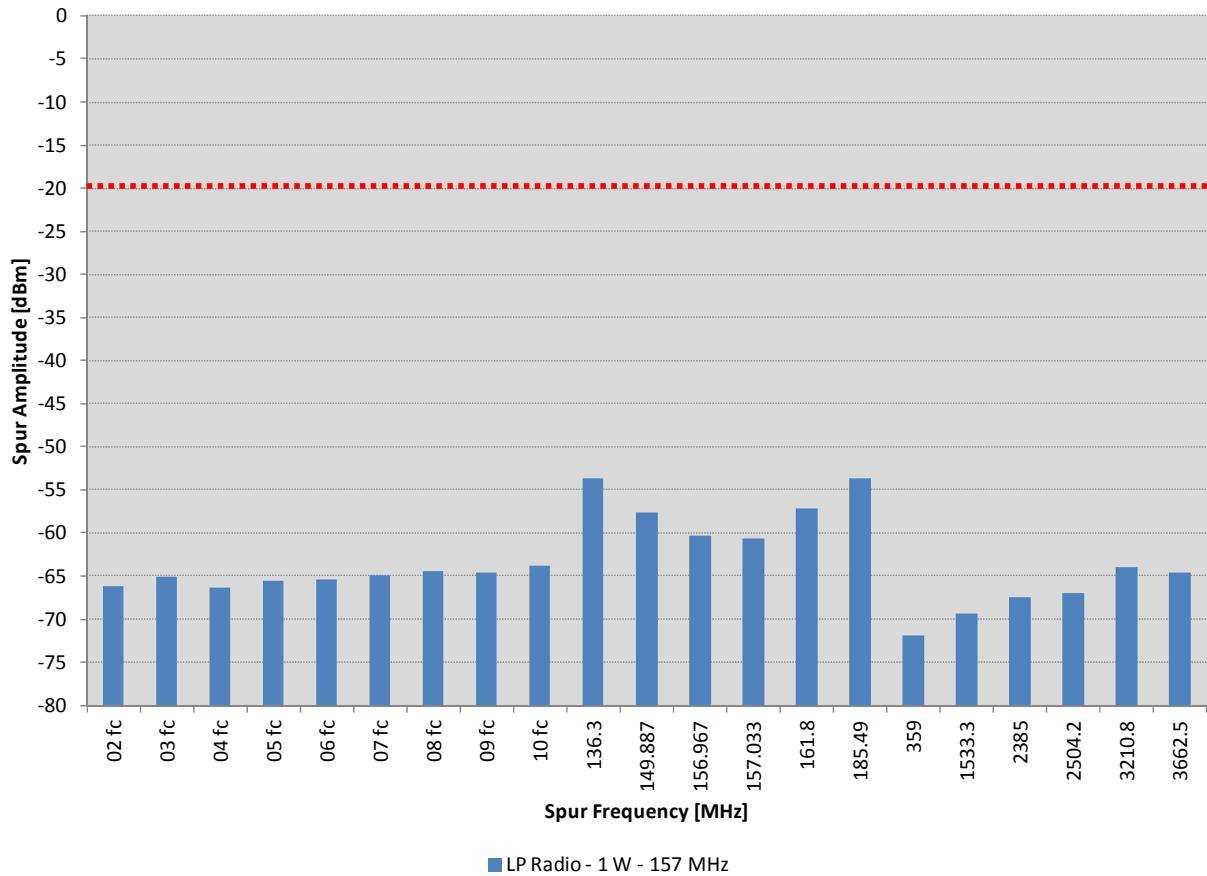
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

CONDUCTED SPURIOUS EMISSIONS
LOW POWER (1W), 170.150 MHz, 12.5 kHz BW Spacing
PART 74
S/N: 776TPH0067



The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

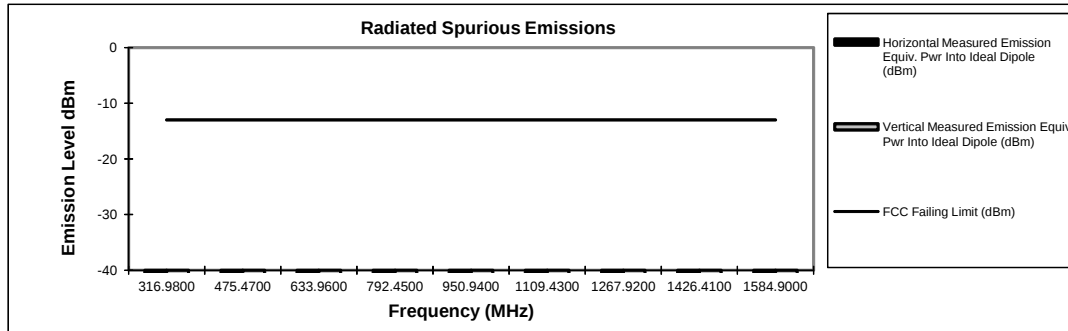
CONDUCTED SPURIOUS EMISSIONS
LOW POWER (1W), 157.000 MHz, 25 kHz BW Spacing
PART 80
S/N: 776TPH0067



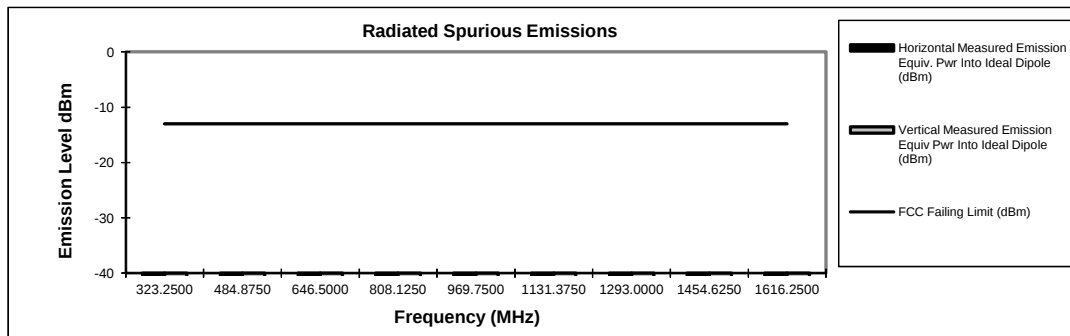
The conducted spurious level is plotted in dBm on the vertical axis.
The specification for conducted spurious emissions is -20 dBm.

Transmit Radiated Spurious Emissions: PMUD3241AABNAA**Tx Power: 30 Watts****158.49 MHz****Channel Spacing 25kHz | S/N 776TPH0067**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
316.9800	-13	*	*
475.4700	-13	*	*
633.9600	-13	*	*
792.4500	-13	*	*
950.9400	-13	*	*
1109.4300	-13	*	*
1267.9200	-13	*	*
1426.4100	-13	*	*
1584.9000	-13	*	*

**Transmit Radiated Spurious Emissions: PMUD3241AABNAA****Tx Power: 30 Watts****161.625 MHz****Channel Spacing 25kHz | S/N 776TPH0067**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.2500	-13	*	*
484.8750	-13	*	*
646.5000	-13	*	*
808.1250	-13	*	*
969.7500	-13	*	*
1131.3750	-13	*	*
1293.0000	-13	*	*
1454.6250	-13	*	*
1616.2500	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

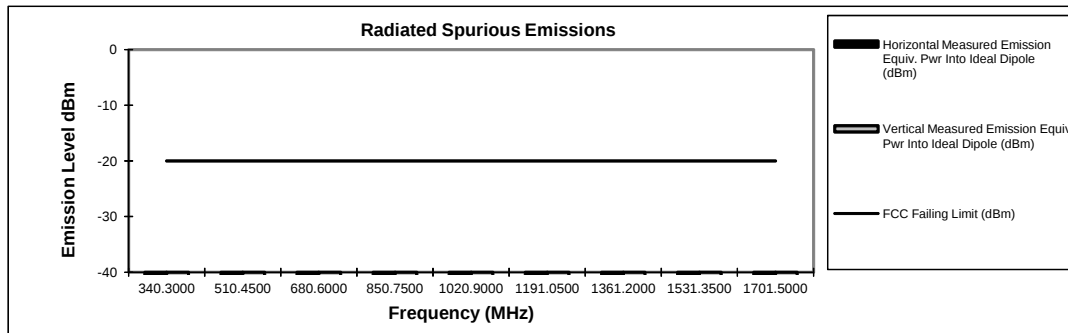
Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero**May 19, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1**

Transmit Radiated Spurious Emissions: PMUD3241AABNAA**Tx Power: 30 Watts****170.15 MHz****Channel Spacing 12.5kHz | S/N 776TPH0067**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
340.3000	-20	*	*
510.4500	-20	*	*
680.6000	-20	*	*
850.7500	-20	*	*
1020.9000	-20	*	*
1191.0500	-20	*	*
1361.2000	-20	*	*
1531.3500	-20	*	*
1701.5000	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero

May 18, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Motorola Solutions

FCC ID:ABZ99FT3090 / IC ID: 109AB-99FT3090

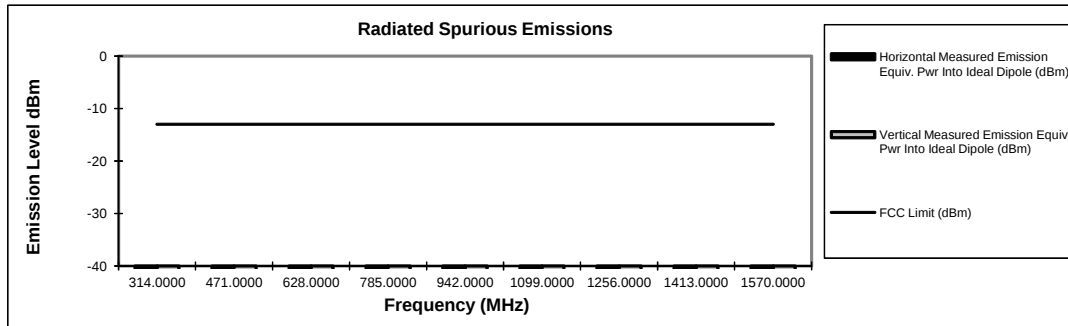
Transmit Radiated Spurious Emissions: PMUD3241AABNAA

Tx Power: 10 Watts

157 MHz

Channel Spacing 25kHz | S/N 776TPH0067

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
314.0000	-13	*	*
471.0000	-13	*	*
628.0000	-13	*	*
785.0000	-13	*	*
942.0000	-13	*	*
1099.0000	-13	*	*
1256.0000	-13	*	*
1413.0000	-13	*	*
1570.0000	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

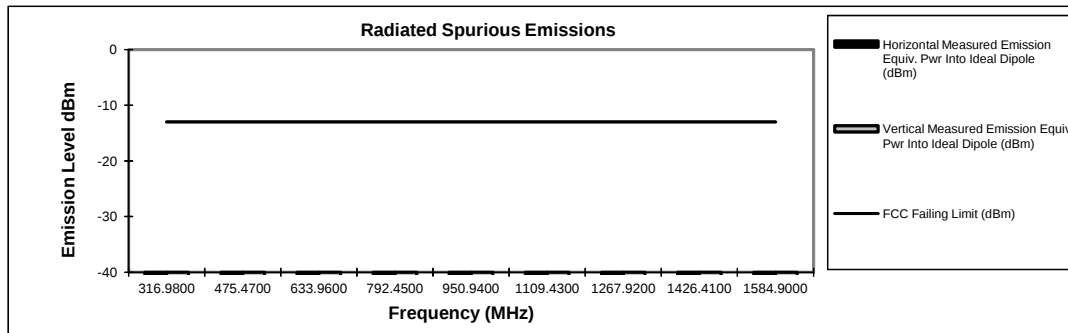
Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan

June 8, 2013

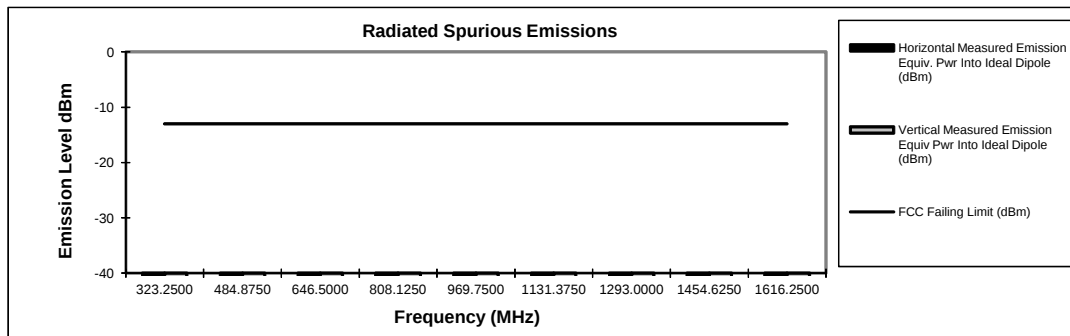
FCC Registration: 91932 / Industry Canada: IC109U-1

Transmit Radiated Spurious Emissions: PMUD3241AABNAA**Tx Power: 1 Watts****158.49 MHz****Channel Spacing 25kHz | S/N 776TPH0067**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
316.9800	-13	*	*
475.4700	-13	*	*
633.9600	-13	*	*
792.4500	-13	*	*
950.9400	-13	*	*
1109.4300	-13	*	*
1267.9200	-13	*	*
1426.4100	-13	*	*
1584.9000	-13	*	*

**Transmit Radiated Spurious Emissions: PMUD3241AABNAA****Tx Power: 1 Watts****161.625 MHz****Channel Spacing 25kHz | S/N 776TPH0067**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
323.2500	-13	*	*
484.8750	-13	*	*
646.5000	-13	*	*
808.1250	-13	*	*
969.7500	-13	*	*
1131.3750	-13	*	*
1293.0000	-13	*	*
1454.6250	-13	*	*
1616.2500	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

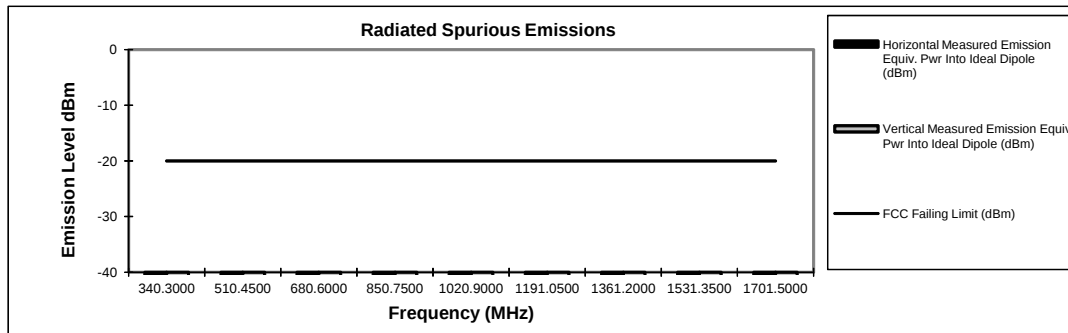
Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero**May 19, 2013****FCC Registration: 91932 / Industry Canada: IC109U-1**

Transmit Radiated Spurious Emissions: PMUD3241AABNAA**Tx Power: 1 Watts****170.15 MHz****Channel Spacing 12.5kHz | S/N 776TPH0067**

Frequency (MHz)	FCC Failing Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
340.3000	-20	*	*
510.4500	-20	*	*
680.6000	-20	*	*
850.7500	-20	*	*
1020.9000	-20	*	*
1191.0500	-20	*	*
1361.2000	-20	*	*
1531.3500	-20	*	*
1701.5000	-20	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Alberto Cordero

May 18, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1

Motorola Solutions

FCC ID:ABZ99FT3090 / IC ID: 109AB-99FT3090

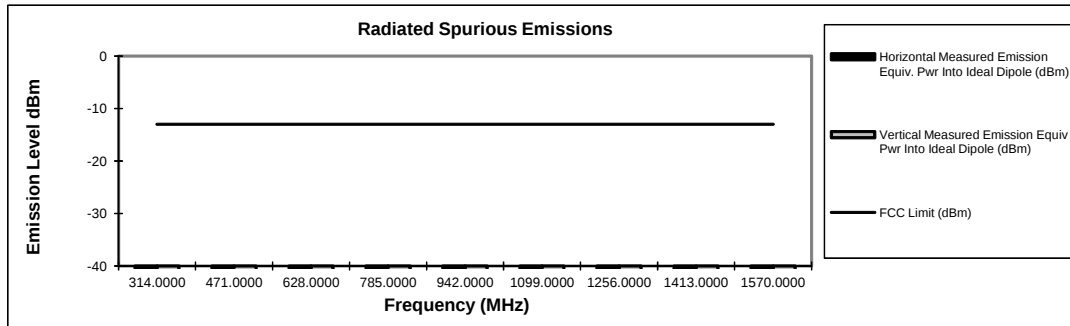
Transmit Radiated Spurious Emissions: PMUD3241AABNAA

Tx Power: 1 Watts

157 MHz

Channel Spacing 25kHz | S/N 776TPH0067

Frequency (MHz)	FCC Limit (dBm)	Horizontal Measured Emission Equiv. Pwr Into Ideal Dipole (dBm)	Vertical Measured Emission Equiv Pwr Into Ideal Dipole (dBm)
314.0000	-13	*	*
471.0000	-13	*	*
628.0000	-13	*	*
785.0000	-13	*	*
942.0000	-13	*	*
1099.0000	-13	*	*
1256.0000	-13	*	*
1413.0000	-13	*	*
1570.0000	-13	*	*



* Indicates the spurious emission could not be detected due to noise limitations or ambients.

Pursuant to CFR 47 Part 2.1057(c), emissions attenuated more than 20 dB below the permissible limit are not reported.

The data presented here was taken using the substitution method as found in the TIA/EIA-603 document.

Motorola Plantation EMC Lab – Test Performed by: Curt Mc Lennan

June 8, 2013

FCC Registration: 91932 / Industry Canada: IC109U-1