Test Data

Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation (TDMA)

OPERATING FREQUENCY: __824.64__ MHz

CHANNEL: __1013 (Low)__

MEASURED OUTPUT POWER: __27.30__ dBm = __0.54__ W

MODULATION SIGNAL: TDMA (Internal)

DISTANCE: __3__ meters

LIMIT: 43 + 10 log10 (W) = __40.31__ dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	ERP (dBm)	(dBc)
1649.28	-107.9	34.6	V	48.4	-63.68	91.0
2473.92	-92.8	39.0	V	456.0	-44.20	71.5
3298.56	-109.5	42.6	V	101.2	-57.28	84.6
4123.20	-111.3	46.2	V	124.5	-55.48	82.8
4947.84	< -130					

NOTES:

1. The bandwidth is set per §22.917 (RBW = 1MHz, VBW = 1MHz).
2. The spectrum was checked from 25 MHz up to the 10th harmonic.
3. All emissions not listed were found to be more than 20dB below the limit.
4. < -130dBm is below the floor of the spectrum analyzer.
5. The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
6. The EUT is placed 3m. away from the receiving antenna and the ERP is calculated using the formula:

$$\text{ERP (dBm)} = 10 \, \text{Log}_{10} \, (((r(mV/m)/1 \times 10^6)^2 / 49.2/1 \times 10^{-3})$$
$$\text{ERP (dBm)} = 10 \, \text{Log}_{10} \, [\, (3 \times FS/1 \times 10^6)^2 / (49.2) \times 1000]$$
$$\text{ERP (Watts)} = \{(3 \times FS)/1 \times 10^6\}^2 / 49.2$$

Test Data

Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation (TDMA)

OPERATING FREQUENCY: _835.89_ MHz

CHANNEL: 363 (Middle)

MEASURED OUTPUT POWER: _27.30_ dBm = _0.54_ W

MODULATION SIGNAL: TDMA (Internal)

DISTANCE: _3_ meters

LIMIT: 43 + 10 log10 (W) = _40.31_ dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	ERP (dBm)	(dBc)
1671.78	-101.4	34.6	V	102.3	-57.18	84.5
2507.67	-83.9	39.0	V	1267.7	-35.32	62.6
3343.56	-98.9	42.6	V	344.0	-46.65	73.9
4179.45	-111.1	46.2	V	127.4	-55.28	82.6
5015.34	< -130					

NOTES:

1. The bandwidth is set per §22.917 (RBW = 1MHz, VBW = 1MHz).
2. The spectrum was checked from 25 MHz up to the 10th harmonic.
3. All emissions not listed were found to be more than 20dB below the limit.
4. < -130dBm is below the floor of the spectrum analyzer.
5. The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
6. The EUT is placed 3m. away from the receiving antenna and the ERP is calculated using the formula:

ERP (dBm) $= 10 \, \text{Log}_{10} \, (((r(mV/m)/1 \times 10^6)^2 / 49.2/1 \times 10^{-3})$

ERP (dBm) $= 10 \, \text{Log}_{10} \, [\, (3 \times FS/1 \times 10^6)^2 / (49.2) \times 1000]$

ERP (Watts) $= \{(3 \times FS)/1 \times 10^6\}^2 / 49.2$

Test Data

Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation (TDMA)

OPERATING FREQUENCY: 848.37   MHz

CHANNEL: 777 (High)

MEASURED OUTPUT POWER: 27.30   dBm =   0.54   W

MODULATION SIGNAL: TDMA (Internal)

DISTANCE: 3   meters

LIMIT: 43 + 10 log10 (W) =   40.31   dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	ERP (dBm)	(dBc)
1696.74	-95.2	34.6	V	208.9	-50.98	78.3
2545.11	-97.0	39.0	V	281.5	-48.39	75.7
3393.48	-99.2	42.6	V	332.7	-46.94	74.2
4241.85	-108.3	46.2	V	175.8	-52.48	79.8
5090.22	-113.4	48.6	V	128.8	-55.18	82.5

NOTES:

1. The bandwidth is set per §22.917 (RBW = 1MHz, VBW = 1MHz).
2. The spectrum was checked from 25 MHz up to the 10th harmonic.
3. All emissions not listed were found to be more than 20dB below the limit.
4. < -130dBm is below the floor of the spectrum analyzer.
5. The EUT is manipulated through 3 orthogonal axis and the worst-case are reported.
6. The EUT is placed 3m. away from the receiving antenna and the ERP is calculated using the formula:

$$ERP\ (dBm) = 10\ Log_{10}\ (((r(mV/m)/1 \times 10^6)^2 / 49.2/1 \times 10^{-3})$$

$$ERP\ (dBm) = 10\ Log_{10}\ [\ (3 \times FS/1 \times 10^6)^2 / (49.2) \times 1000]$$

$$ERP\ (Watts) = \{(3 \times FS)/1 \times 10^6\}^2 / 49.2$$