Test Data

Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation (TDMA)

OPERATING FREQUENCY:	1850.01	MHz	
CHANNEL:	0001 (Low)		
MEASURED OUTPUT POWER:	25.80 dBm =	0.38	W
MODULATION SIGNAL:	TDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log10 (W) =	38.81	dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	EIRP (dBm)	(dBc)
3700.02	-106.8	44.4	V	169.8	-50.63	76.4
5550.03	-113.2	49.7	V	149.6	-51.73	77.5
7400.04	< -130	53.7	V			
9250.05	< -130					
11100.06	< -130					

NOTES:

1. The bandwidth is set per §24.238 (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 EIRP is calculated using the formula:

   EIRP (dBm) = 10 Log 10 (((r(mV/m)/1 x 106)2 / 30.0/1 x 10-3)
   EIRP (dBm) = 10 Log 10 [(3 x FS/1 x 106)2 / (30.0) x 1000]
   EIRP (Watts) = {(3 x FS)/1 x 106}2 / 30.0

Test Data

Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation (TDMA)

OPERATING FREQUENCY:	1880.00	MHz	
CHANNEL:	1000 (Middle)		
MEASURED OUTPUT POWER:	25.80 dBm =	0.38	W
MODULATION SIGNAL:	TDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log10 (W) =	38.81	dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	EIRP (dBm)	(dBc)
3760.00	-109.4	44.4	V	125.9	-53.23	79.0
5640.00	-113.6	49.7	V	142.9	-52.13	77.9
7520.00	< -130	43.7	V			
9400.00	< -130					
11280.00	< -130					

NOTES:

1. The bandwidth is set per §24.238 (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 EIRP is calculated using the formula:

   EIRP (dBm) = 10 Log 10 (((r(mV/m)/1 x 106)2 / 30.0/1 x 10-3)
   EIRP (dBm) = 10 Log 10 [(3 x FS/1 x 106)2 / (30.0) x 1000]
   EIRP (Watts) = {(3 x FS)/1 x 106}2 / 30.0

Test Data

Radiated Measurements

§ 2.1053 Field Strength of SPURIOUS Radiation (TDMA)

OPERATING FREQUENCY:	1909.99	MHz	
CHANNEL:	1999 (High)		
MEASURED OUTPUT POWER:	24.00 dBm =	0.25	W
MODULATION SIGNAL:	TDMA (Internal)		
DISTANCE:	3	meters	
LIMIT:	43 + 10 log10 (W) =	37.01	dBc

FREQ. (MHz)	LEVEL (dBm)	AFCL (dB)	POL (H/V)	F/S (μV/m)	EIRP (dBm)	(dBc)
3819.98	-114.0	44.4	V	74.1	-57.83	81.8
5729.97	< -130	49.7	V			
7639.96	< -130	53.7	V			
9549.95	< -130					
11459.94	< -130					

NOTES:

1. The bandwidth is set per §24.238 (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 EIRP is calculated using the formula:

   EIRP (dBm) = 10 Log 10 (((r(mV/m)/1 x 106)2 / 30.0/1 x 10-3)

   EIRP (dBm) = 10 Log 10 [(3 x FS/1 x 106)2 / (30.0) x 1000]

   EIRP (Watts) = {(3 x FS)/1 x 106}2 / 30.0