

Compliance Certification Services

Radiated Emissions
FCC Part 21

11/8/01
A-Site (1 meter)
Hue Ly Vang

TSI

IF level= 0.9 dBm

IN IF = 62 MHz

Fo = 2683 MHz

frequency (MHz)	SA reading (dBuV)	SG reading (dBm)	CL (dB)	Gain (dBi)	Gain (dBd)	ERP (dBm)	Limit (dBm)	Margin (dB)
5366H	44.4	-55.9	0.6	9.9	7.75	-48.75	-36	-12.75
5366V	43.5	-59.2	0.6	9.9	7.75	-52.05	-36	-16.05
8049H	39.6	-60	0.93	10.2	8.05	-52.88	-36	-16.88
8049V	52	-61	0.93	10.2	8.05	-53.88	-36	-17.88
10732H	46.5	-48.2	1.2	12.3	10.15	-39.25	-36	-3.25
10732V	38.7	-60	1.2	12.3	10.15	-51.05	-36	-15.05
13415H	39.2	-60	1.38	12.2	10.05	-51.33	-36	-15.33
13415V	36.6	-61	1.38	12.2	10.05	-52.33	-36	-16.33
16098H	38.5	-61	1.68	15.8	13.65	-49.03	-36	-13.03
16098V	36.3	-61	1.68	15.8	13.65	-49.03	-36	-13.03

NOTE: Used Pre-Amp and HPF4750 MHz

H=horizontal and V=vertical

Gain (dBd) = Gain (dBi) - 2.15

EPR = SG reading - CL + Gain (dBd)

Margin = EPR - Limit