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Radiated Emissions Test Data

Company:	Western Multiplex Corporation	Model #:	27750	Standard	FCC § 15.247 (R.B.)
EUT:	Tsunami U-NII Radio	FCC ID:	HZB-U53-45	Limits	11
Project #:	J20033825	Test Date:	March 22, 1001	Test Distance_	3 meters
Test Mode:	1x @ 5325MHz With Gabriel Antenna	Engineer:	Xi-Ming Y.	Duty Relaxation	0 dB

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
Number:	14	21	22	10	13	0	12	0	0	0
Model:	EMCO 3115	3160-9	3160-10	AFT18855	ACO/400	None	NPS366	None	None	None

Frequency	Reading	Detector	Ant.	Amp.	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	D. C. F.	Net	Limit @3m	Margin
MHz	dB(μV)	P/A/Q	#	#	H/V	dB(1/m)	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB
1.07E+4	38.0	Peak	14	10	V	39.8	39.5	7.0	0.0	45.3	74.0	-28.7
1.07E+4	27.9	Ave.	14	10	V	39.8	39.5	7.0	0.0	35.2	54.0	-18.8
1.60E+4	36.5	Peak	14	10	V	41.8	38.4	8.8	0.0	48.7	74.0	-25.3
1.60E+4	26.5	Ave.	14	10	V	41.8	38.4	8.8	0.0	38.7	54.0	-15.3
2.13E+4	37.1	Peak	21	13	V	40.3	23.3	10.2	-9.5	54.8	74.0	-19.2
2.13E+4	27.2	Ave.	21	13	V	40.3	23.3	10.2	-9.5	44.9	54.0	-9.1

Notes:	a) D.C.F.:Distance Correction Factor
	b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
	c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
	d) Negative signs (-) in Margin column signify levels below the limits.
	e) All other emissions not reported are below the equipment noise floor which is at least 10 dB below the limits.
	f) Frequency above 19 GHz was made at 1 m distance

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Radiated Emissions Test Data

Company:	Western Multiplex Corporation	Model #:	27750	Standard_	FCC § 15.247 (R.B.)
EUT:	Tsunami U-NII Radio	S/N #:	HZB-U53-45	Limits_	11
Project #:	J20033825	Test Date:	March 22, 1001	Test Distance_	3 meters
Test Mode:	Tx @ 5275MHz With Gabriel Antenna	Engineer:	Xi-Ming Y.	Duty Relaxation	0 dB

	Antenna Used			Pre-Amp Used			Cable Used			Transducer Used
Number:	14	21	22	10	13	0	12	0	0	0
Model:	EMCO 3115	3160-9	3160-10	AF-118855	ACO/400	None	NPS366	None	None	None

Frequency	Reading	Detector	Ant.	Amp.	Ant. Pol.	Ant. Factor	Pre-Amp	Insert. Loss	D. C. F.	Net	Limit @3m	Margin
MHz	dB(μV)	P/A/Q	#	#	H/V	dB(1/m)	dB	dB	dB	dB(μV/m)	dB(μV/m)	dB
1.06E+4	37.0	Peak	14	10	V	39.8	39.5	7.0	0.0	44.3	74.0	-29.7
1.06E+4	27.8	Ave.	14	10	V	39.8	39.5	7.0	0.0	35.1	54.0	-18.9
1.58E+4	36.8	Peak	14	10	H	42.2	38.4	8.7	0.0	49.3	74.0	-24.7
1.58E+4	27.9	Ave.	14	10	H	42.2	38.4	8.7	0.0	40.4	54.0	-13.6
2.11E+4	37.2	Peak	21	13	V	40.3	23.3	10.2	-9.5	54.9	74.0	-19.1
2.11E+4	27.4	Ave.	21	13	V	40.3	23.3	10.2	-9.5	45.1	54.0	-8.9
3.17E+4	45.3	Peak	22	13	H	43.5	25.9	0.0	-9.5	53.4	74.0	-20.6
3.17E+4	35.2	Ave.	22	13	H	43.5	25.9	0.0	-9.5	43.3	54.0	-10.7

Notes:

- a) D.C.F.:Distance Correction Factor
- b) Insert. Loss (dB) = Cable A + Cable B + Cable C .
- c) Net (dB) = Reading + Antenna Factor - Pre-amp + Insert. Loss. - Transducer Loss - Duty Relaxation (transmitter only).
- d) Negative signs (-) in Margin column signify levels below the limits.
- e) All other emissions not reported are below the equipment noise floor which is at least 10 dB below the limits.
- f) Frequency above 19 GHz was made at 1 m distance