

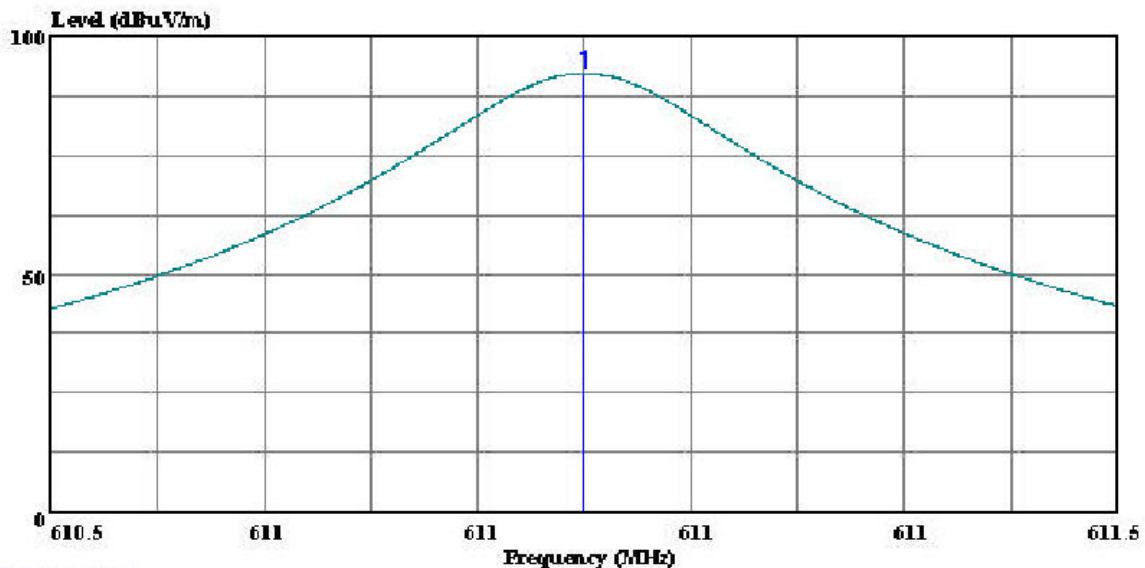
95.1115 (a)

MIDDLE CHANNEL (HORIZONTAL)



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Data#: 85 File#: Run1.emi Date: 11-14-2003 Time: 17:34:26



(Auxiliary ATC)

Trace: 59

RBW=VBW=100KHz

Ref Trace:

Condition: FCC 95H 3m CHAMBER 030306 1185 HORIZONTAL

Test Eng: : NEELESH RAJ

Project #: : 03I2292

Company: : NIHON KOHDEN

EUT: : WMTS Transmitter

Model No: : ZS-910PA

Configuration: : EUT only

Target of Test: : FCC 95H

Mode of Operation: TX @ Mid Channel

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	Freq	Remark	Read Level	Factor	Limit Level	Over Limit
	MHz		dBuV	dB	dBuV/m	dB
1	611.000	Peak	72.00	20.33	92.33	-13.67

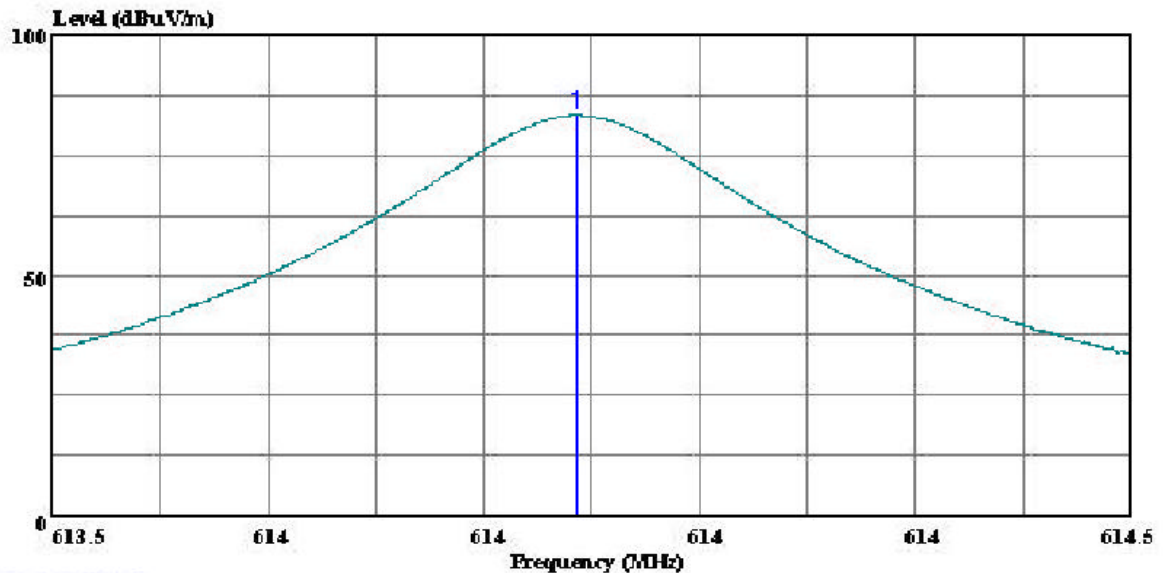
95.1115 (a)

HIGH CHANNEL (VERTICAL)



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Data#: 81 File#: Run1.emi Date: 11-18-2003 Time: 13:58:37



(Auxiliary ATC)

Trace: 80

RBW=VBW=100KHz

Ref Trace:

Condition: FCC 95H 3m CHAMBER 030306 1185 VERTICAL

Test Eng: : NEELESH RAJ

Project #: : 03I2292

Company: : NIHON KOHDEN

EUT: : WMTS Transmitter

Model No: : ZS-910PA

Configuration: : EUT only

Target of Test: : FCC 95H

Mode of Operation: TX @ High Channel

Page: 1

	Freq	Remark	Read Level	Factor	Limit Level	Over Limit
	MHz		dBuV	dB	dBuV/m	dBuV/m
1	613.987	Peak	63.04	20.36	83.40	106.00

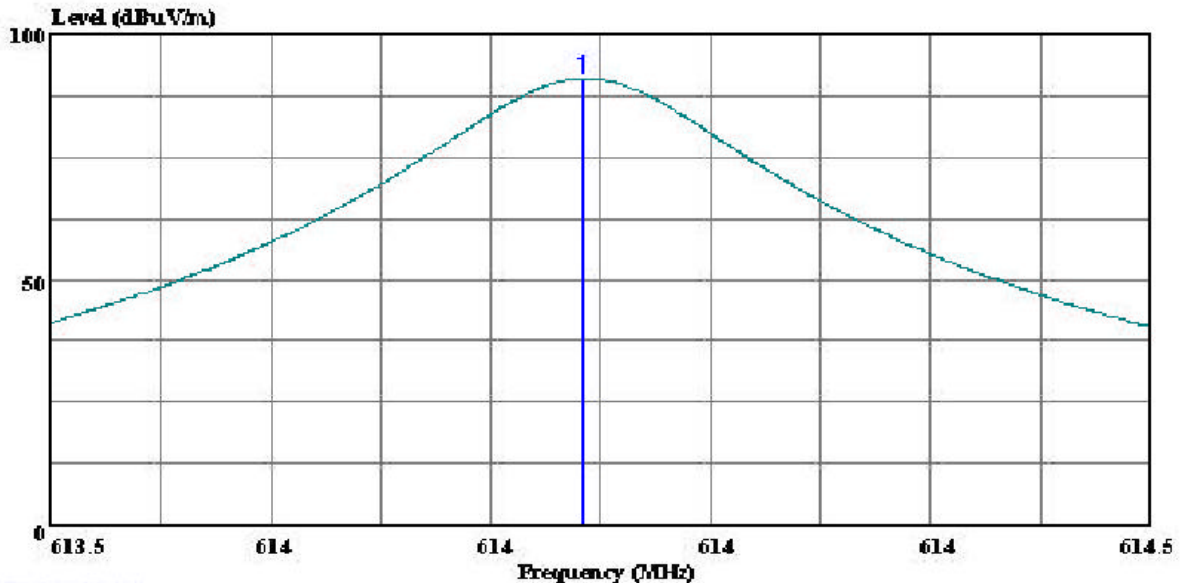
95.1115 (a)

HIGH CHANNEL (HORIZONTAL)



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Data#: 79 File#: Run1.emi Date: 11-18-2003 Time: 13:56:23



(Auxiliary ATC)

Trace: 78

RBW=VBW=100KHz

Ref Trace:

Condition: FCC 95H 3m CHAMBER 030306 1185 HORIZONTAL

Test Eng: : NEELESH RAJ

Project #: : 03I2292

Company: : NIHON KOHDEN

EUT: : WMTS Transmitter

Model No: : ZS-910PA

Configuration: : EUT only

Target of Test: : FCC 95H

Mode of Operation: TX @ High Channel

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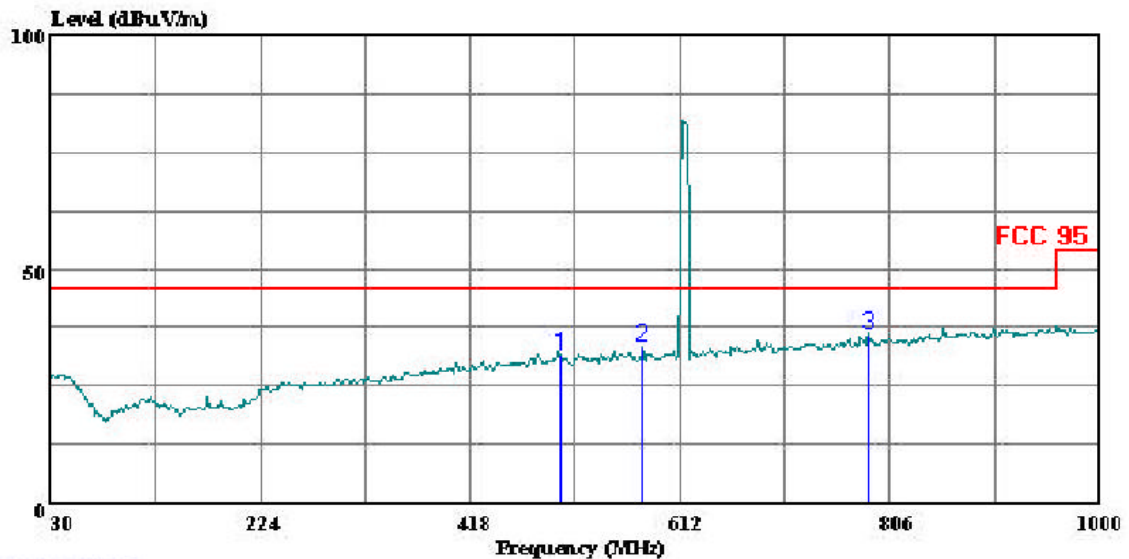
	Freq	Remark	Read	Limit	Over
			Level Factor Level		
	MHz		dBuV dB dBuV/m	dBuV/m	dB
1	613.984	Peak	70.75 20.36	91.11 106.00	-14.89

95.1115 (b) LOW CHANNEL (VERTICAL UNDER 1 GHz)



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Data#: 67 File#: Run1.emi Date: 11-18-2003 Time: 13:32:42



(Auxil ATC)

Trace: 66

RBW=VBW=100KHz

Ref Trace:

Condition: FCC 95 3m CHAMBER 030306 1185 VERTICAL
Test Eng: : NEELESH RAJ
Project #: : 03I2292
Company: : NIHON KOHDEN
EUT: : WMTS Transmitter
Model No: : ZS-910PA
Configuration: : EUT only
Target of Test: : FCC 95H
Mode of Operation: TX @ Low Channel

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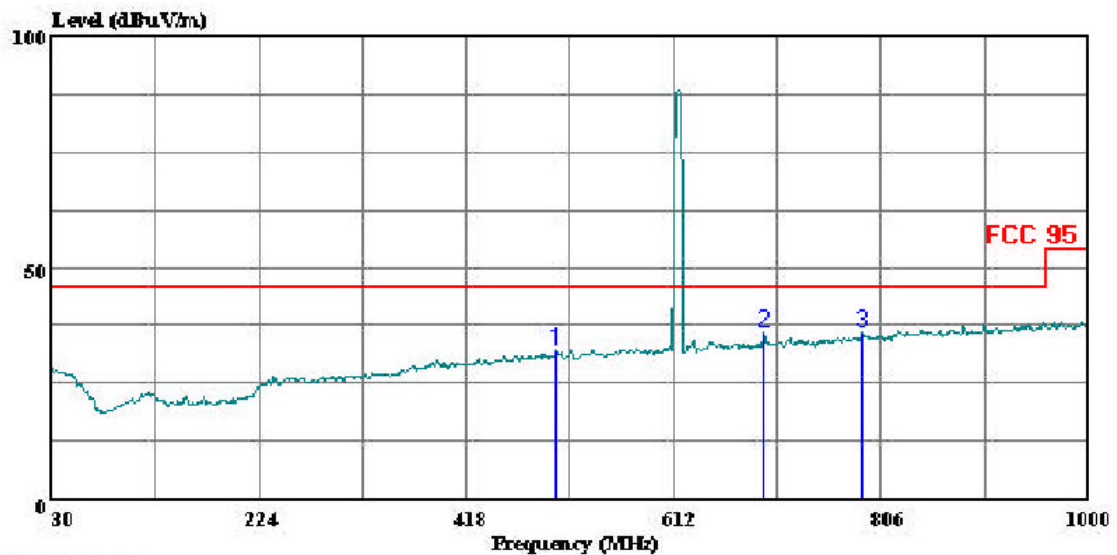
	Freq	Remark	Read Level	Factor	Level	Limit	Over Limit
	MHz		dBuV	dB	dBuV/m	dBuV/m	dB
1	500.450	Peak	12.80	18.85	31.65	46.00	-14.35
2	577.080	Peak	13.14	19.98	33.12	46.00	-12.88
3	786.600	Peak	13.08	22.64	35.72	46.00	-10.28

95.1115 (b) LOW CHANNEL (HORIZONTAL UNDER 1GHz)



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Data#: 69 File#: Run1.emi Date: 11-18-2003 Time: 13:36:09



(Auxiliary ATC)

Trace: 68

RBW=VBW=100KHz

Ref Trace:

Condition: FCC 95 3m CHAMBER 030306 1185 HORIZONTAL

Test Eng: : NEELESH RAJ
Project #: : 03I2292
Company: : NIHON KOHDEN
EUT: : WMTS Transmitter
Model No: : ZS-910PA
Configuration: : EUT only
Target of Test: : FCC 95H
Mode of Operation: TX @ Low Channel

Page: 1

			Read		Limit	Over
	Freq	Remark	Level	Factor	Level	Line
	MHz		dBuV	dB	dBuV/m	dBuV/m
1	502.390	Peak	13.35	18.88	32.23	46.00
2	696.390	Peak	14.43	21.30	35.73	46.00
3	788.540	Peak	13.11	22.68	35.79	46.00

95.1115 (b) LOW CHANNEL (VERTICAL & HORIZONTAL ABOVE 1GHz)

11/05/03 High Frequency Measurement

Compliance Certification Services, Morgan Hill Open Field Site

Test Engr: NEELESH RAJ
Project #: 03I2292
Company: NIHON KOHDEN
EUT Descr.: WMTS TRANSMITTER
EUT M/N: ZS-910PA
Test Target: FCC
Mode Oper: TX@ LOW CHANNEL

Test Equipment:

EMCO Horn 1-18GHz	Pre-amplifier 1-26GHz	Spectrum Analyzer	Horn > 18GHz	Limit
T59; S/N: 3245 @3m	T87 Miteq 924342	Agilent E4446A Analyzer		FCC 95

Hi Frequency Cables

☐ (2 ft)
 ☒ (2 ~ 3 ft)
 ☐ (4 ~ 6 ft)
 ☒ (12 ft)

Peak Measurements: Average Measurements:
1 MHz Resolution Bandwidth 1 MHz Resolution Bandwidth
1MHz Video Bandwidth 10Hz Video Bandwidth

f GHz	Dist feet	Read Pk dBuV	Read Avg. dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	HPF	Peak dBuV/m	Avg dBuV/m	Pk Lim dBuV/m	Avg Lim dBuV/m	Pk Mar dB	Avg Mar dB	Notes
LOW CHANNEL SPURIOUS															
1.216	9.8	53.9	48.3	24.9	1.1	-43.4	0.0	0.0	36.4	30.8	74.0	54.0	-37.6	-23.2	V
1.824	9.8	50.0	38.0	27.6	1.5	-43.3	0.0	0.0	35.7	23.7	74.0	54.0	-38.3	-30.3	V
2.432	9.8	49.3	37.1	29.4	1.9	-43.2	0.0	0.0	37.3	25.1	74.0	54.0	-36.7	-28.9	V
3.040	9.8	54.0	45.9	30.9	2.3	-43.2	0.0	0.0	43.9	35.8	74.0	54.0	-30.1	-18.2	V
3.648	9.8	47.7	37.6	32.0	2.5	-43.7	0.0	0.0	38.5	28.3	74.0	54.0	-35.5	-25.7	V
4.256	9.8	57.5	53.9	32.7	2.7	-44.2	0.0	0.0	48.7	45.1	74.0	54.0	-25.3	-8.9	V
4.864	9.8	47.7	40.2	33.1	3.0	-44.7	0.0	0.0	39.0	31.5	74.0	54.0	-35.0	-22.5	V
5.472	9.8	49.1	38.4	33.7	3.2	-44.8	0.0	0.0	41.1	30.4	74.0	54.0	-32.9	-23.6	V
6.080	9.8	48.2	38.3	34.4	3.4	-44.8	0.0	0.0	41.1	31.2	74.0	54.0	-32.9	-22.8	V
1.216	9.8	52.6	47.4	24.9	1.1	-43.4	0.0	0.0	35.1	30.0	74.0	54.0	-38.9	-24.0	H
1.824	9.8	48.8	38.2	27.6	1.5	-43.3	0.0	0.0	34.5	23.9	74.0	54.0	-39.5	-30.1	H
2.432	9.8	45.6	36.4	29.4	1.9	-43.2	0.0	0.0	33.6	24.5	74.0	54.0	-40.4	-29.5	H
3.040	9.8	52.0	45.2	30.9	2.3	-43.2	0.0	0.0	41.9	35.1	74.0	54.0	-32.1	-18.9	H
3.648	9.8	48.7	36.3	32.0	2.5	-43.7	0.0	0.0	39.4	27.0	74.0	54.0	-34.6	-27.0	H
4.256	9.8	53.2	48.2	32.7	2.7	-44.2	0.0	0.0	44.4	39.4	74.0	54.0	-29.6	-14.6	H
4.864	9.8	46.0	37.5	33.1	3.0	-44.7	0.0	0.0	37.3	28.8	74.0	54.0	-36.7	-25.2	H
5.472	9.8	46.2	37.8	33.7	3.2	-44.8	0.0	0.0	38.2	29.8	74.0	54.0	-35.8	-24.2	H
6.080	9.8	46.0	37.9	34.4	3.4	-44.8	0.0	0.0	38.9	30.8	74.0	54.0	-35.1	-23.2	H
NO OTHER SPURIOUS EMISSIONS DETECTED ABOVE THE SYSTEM NOISE FLOOR															

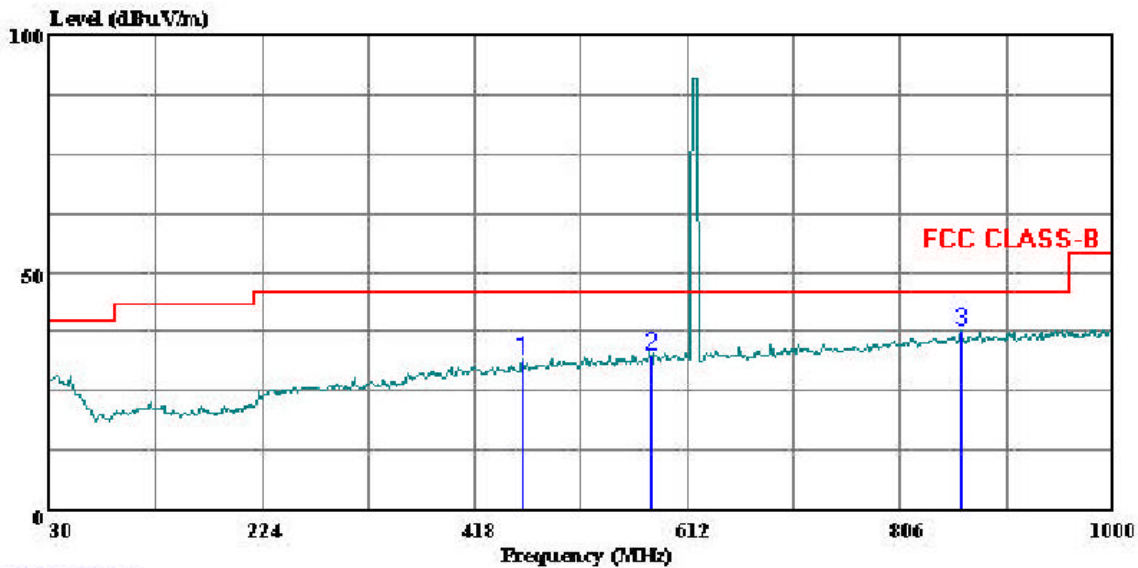
f	Measurement Frequency	Amp	Preamp Gain	Avg Lim	Average Field Strength Limit
Dist	Distance to Antenna	D Corr	Distance Correct to 3 meters	Pk Lim	Peak Field Strength Limit
Read	Analyzer Reading	Avg	Average Field Strength @ 3 m	Avg Mar	Margin vs. Average Limit
AF	Antenna Factor	Peak	Calculated Peak Field Strength	Pk Mar	Margin vs. Peak Limit
CL	Cable Loss	HPF	High Pass Filter		

95.1115 (b) MIDDLE CHANNEL (VERTICAL UNDER 1 GHz)



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Data#: 65 File#: Run1.emi Date: 11-18-2003 Time: 11:46:24



(Auxiliary ATC)

Trace: 63

RBW=VBW=100KHz

Ref Trace:

Condition: FCC CLASS-B 3m CHAMBER 030306 1185 VERTICAL
Test Eng: : NEELESH RAJ
Project #: : 03I2292
Company: : NIHON KOHDEN
EUT: : WMTS Transmitter
Model No: : ZS-910PA
Configuration: : EUT only
Target of Test: : FCC 95H
Mode of Operation: TX @ Mid Channel

Page: 1

	Freq	Remark	Read Level	Factor	Level	Limit Line	Over Limit
	MHz		dBuV	dB	dBuV/m	dBuV/m	dB
1	460.680	Peak	13.42	17.99	31.41	46.00	-14.59
2	578.050	Peak	12.47	20.00	32.47	46.00	-13.53
3	861.290	Peak	14.24	23.39	37.63	46.00	-8.37