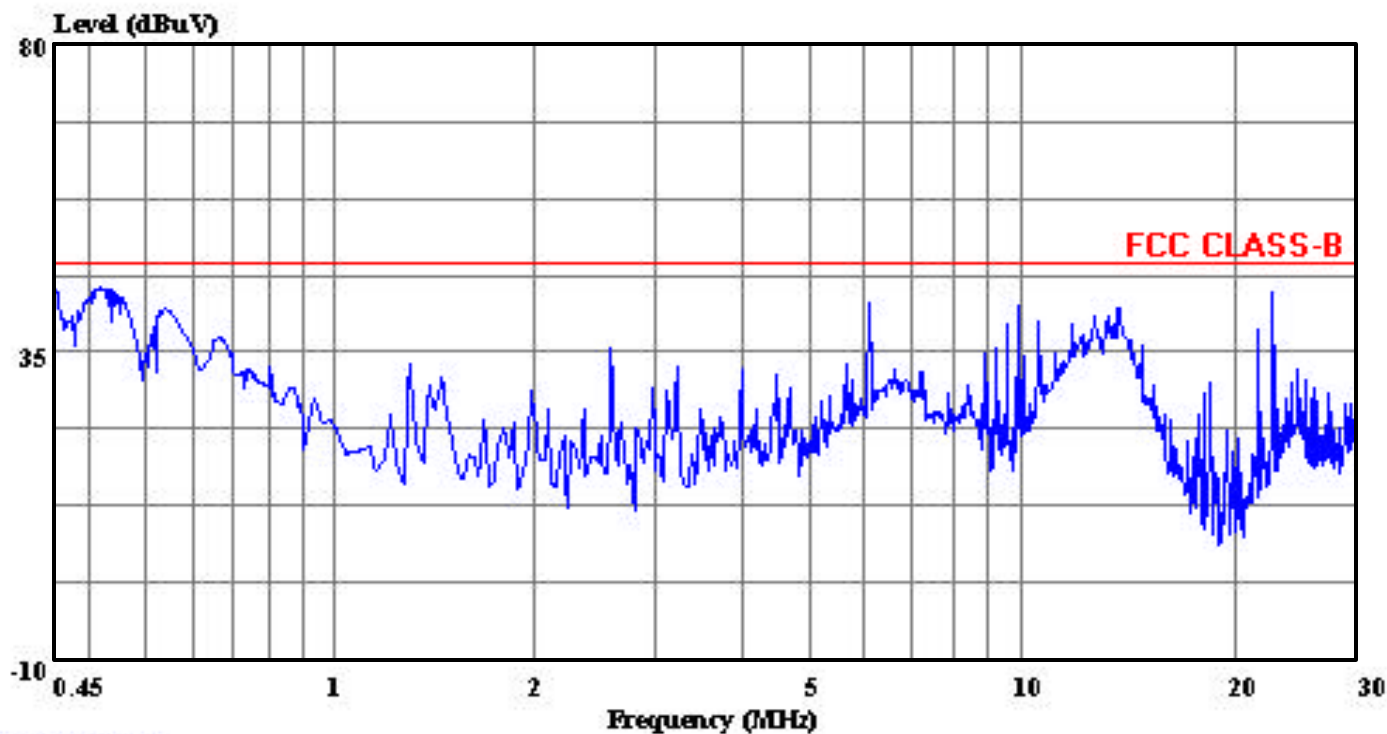


Data#: 11 File#: LC0219.EMI

Date: 02-19-2002 Time: 15:38:27



(Audix ATC)

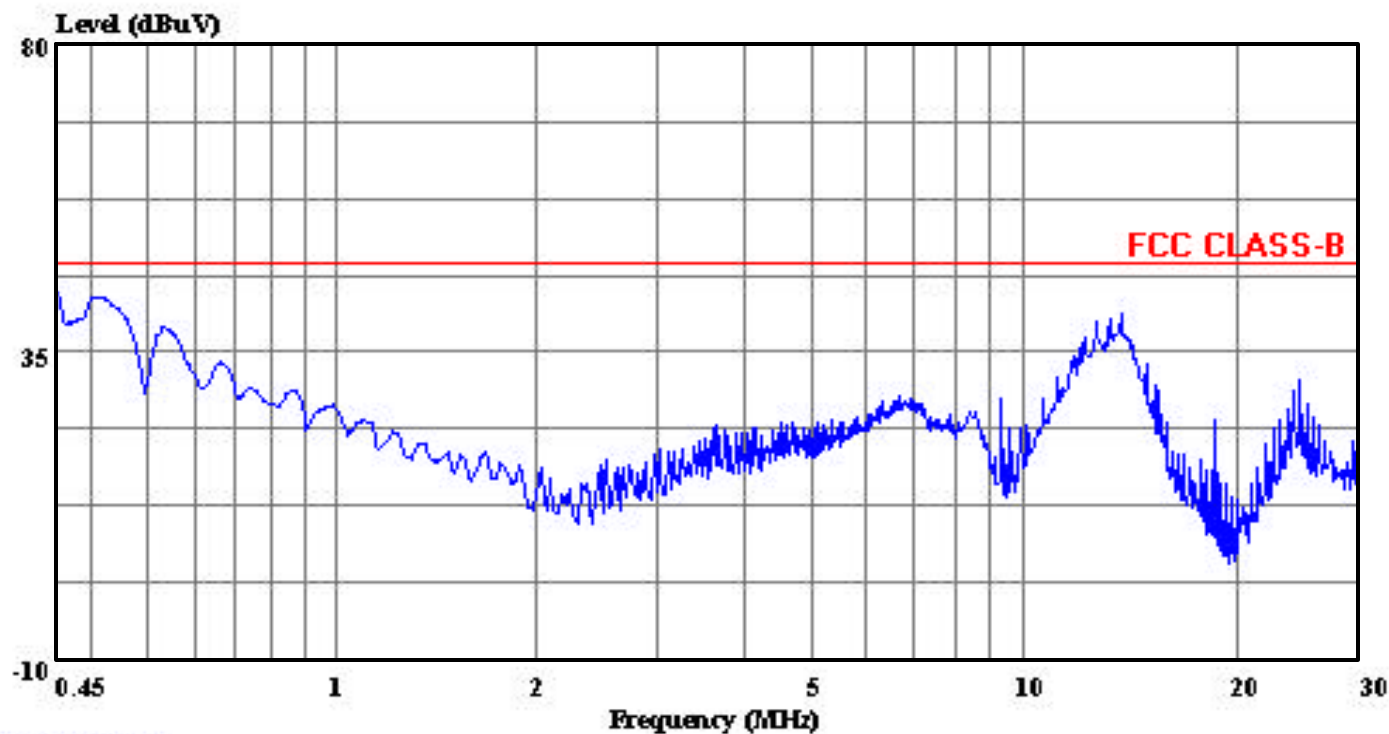
Trace:

Ref Trace:

Project# : 02U1143-1
Company : Alvarion
EUT Description : 5.725 - 5.850 GHz DSSS Radio Device
Model Number : 2.4/5.8 GHz Spread Spectrum
Test Configuration: BU-DS11, BU 5.8, 5.8 GHz antenna
Test Target : FCC CLASS B
Mode of Operation: Normal
: Pea: L1(GREEN), L2(BLACK)
: 115Vac, 60Hz

Data#: 4 File#: LC0219.EMI

Date: 02-19-2002 Time: 15:11:01



(Audix ATC)

Trace:

Ref Trace:

Project# : 02U1143-1
Company : Alvarion
EUT Description : 5.725 - 5.850 GHz DSSS Radio Device
Model Number : 2.4/5.8 GHz Spread Spectrum
Test Configuration: BU-DS11, BU 5.8, 5.8 GHz antenna
Test Target : FCC CLASS B
Mode of Operation: Normal
: PEAK: L1
: 115Vac, 60Hz

Freq.	Reading	AF	Closs	Pre-amp	Level	Limit	Margin	Pol	Az	Height	Mark
(MHz)	(dBuV)	(dB)	(dB)	(dB)	(dBuV/m)	FCC_B	(dB)	(H/V)	(Deg)	(Meter)	(P/Q/A)
264.00	46.90	14.62	2.18	27.05	36.66	46.00	-9.34	3mV	0.00	1.00	P
352.00	46.00	16.13	2.62	27.45	37.30	46.00	-8.70	3mV	0.00	1.00	P
416.00	47.10	17.43	2.90	27.90	39.52	46.00	-6.48	3mV	0.00	1.00	P
589.77	46.90	19.84	3.49	28.54	41.69	46.00	-4.31	3mV	0.00	1.00	P
264.00	50.70	14.11	2.18	27.05	39.95	46.00	-6.05	3mH	0.00	1.00	P
352.00	47.10	15.84	2.62	27.45	38.12	46.00	-7.88	3mH	0.00	1.00	P
384.00	46.70	16.68	2.76	27.69	38.45	46.00	-7.55	3mH	0.00	1.00	P
442.17	50.00	17.75	3.02	28.06	42.70	46.00	-3.30	3mH	0.00	1.00	P
416.00	45.00	17.34	2.90	27.90	37.34	46.00	-8.66	3mH	0.00	1.00	P
589.76	47.30	19.52	3.49	28.54	41.77	46.00	-4.23	3mH	0.00	1.00	P
Total data #: 10											
V.2a											

02/20/2002 and 02/21/02

Compliance Certification Services, Morgan Hill Open Field Site

Equipment for 1-18 GHz

HP8566B Analyzer
MITEQ NSP2600-44 Preamp
EMCO 3115 Antenna; S/N:2238
Cable: 12.0 feet
Conns: 4

Equipment for 18-26.5 GHz

HP8566B Analyzer
HP11975A Preamp (LO)
ARA MWH-1826B & HP11970K
Cable: 3.0 feet
Conns: 4

Equipment for 26.5-40 GHz

HP8566B Analyzer
HP 11975A Amplifier (LO)
HP 11970A External mixer/antenna (#2)
Cable: IF Only (321 MHz)

Avg Lim: 54.0 dBuV/m Section 15.209 limit

Peak Lim: 74.0 dBuV/m Section 15.209 limit

Average Spurious:

RBW > 1 MHz

VBW = 10 Hz

Peak Detect

Linear Mode

Peak Spurious:

RBW > 1 MHz

VBW >= RBW

Peak Detect

Linear Mode

f GHz	Dist cm	Read dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Ew dBuV/m	Limit dBuV/m	Margin dB	RBW Hz	VBW Hz	Polarize	Detect	Notes	
DISH CH 14															
2.485	300.0	57.5	30.3	2.7	-42.3	0.0	48.1	54.0	-5.9	1M	1M	vertical	peak	restricted band 2483.5 - 2500MHz	
2.484	300.0	58.9	30.3	2.7	-42.3	0.0	49.5	54.0	-4.5	1M	1M	vertical	peak	LO for 5.8 GHz	
3.328	300.0	52.0	32.3	3.1	-42.1	0.0	45.3	54.0	-8.7	1M	1M	vertical	peak	LO	
CH 14	5.8120	GHz (harmonic)													
11.624	250.0	58.3	40.0	6.4	-39.7	-1.6	63.4	74.0	-10.6	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.624	250.0	47.6	40.0	6.4	-39.7	-1.6	52.7	54.0	-1.3	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.624	250.0	56.7	40.0	6.4	-39.7	-1.6	61.8	74.0	-12.2	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.624	250.0	44.5	40.0	6.4	-39.7	-1.6	49.6	54.0	-4.4	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.436	200.0	47.2	44.4	8.7	-44.1	-3.5	52.7	99.6	-46.9	1M	1M	vertical	peak	15.247, -20dBc	
25.982	200.0	36.9	33.9	3.8	-30.0	-3.5	41.1	99.6	-58.5	1M	1M	vertical	peak	15.247, -20dBc	
CH 9	5.7800	GHz (harmonic)													
11.560	250.0	56.8	40.0	6.4	-39.7	-1.6	61.9	74.0	-12.1	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.560	250.0	45.6	40.0	6.4	-39.7	-1.6	50.7	54.0	-3.3	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.560	250.0	53.0	40.0	6.4	-39.7	-1.6	58.1	74.0	-15.9	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.560	250.0	42.6	40.0	6.4	-39.7	-1.6	47.7	54.0	-6.3	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.340	200.0	47.2	44.0	8.7	-44.1	-3.5	52.3	99.6	-47.3	1M	1M	vertical	peak	15.247, -20dBc	
25.839	200.0	37.6	33.9	3.8	-30.0	-3.5	41.7	99.6	-57.9	1M	1M	vertical	peak	15.247, -20dBc	
CH 1	5.7400	GHz (harmonic)													
11.480	250.0	58.3	40.0	6.4	-39.6	-1.6	63.5	74.0	-10.5	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	47.2	40.0	6.4	-39.6	-1.6	52.4	54.0	-1.6	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.480	250.0	55.6	40.0	6.4	-39.6	-1.6	60.8	74.0	-13.2	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	44.2	40.0	6.4	-39.6	-1.6	49.4	54.0	-4.6	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.220	200.0	47.2	43.6	8.6	-44.1	-3.5	51.9	99.6	-47.7	1M	1M	vertical	peak	15.247, -20dBc	
25.659	200.0	39.0	33.8	3.8	-30.0	-3.5	43.1	99.6	-56.5	1M	1M	vertical	peak	15.247, -20dBc	

f Measurement Frequency

Dist Distance to Antenna

Read Analyzer Reading

AF Antenna Factor

CL Cable Loss

Amp Preamp Gain

D Corr Distance Correct to 3 meters

Ew Field Strength @ 3 m

Limit Field Strength Limit @ 3m

RBW Resolution Bandwidth

VBW Video Bandwidth

NOTE: with any red color limit, you may use 20dB down.

02/20/2002 and 02/21/02

Compliance Certification Services, Morgan Hill Open Field Site

Equipment for 1-18 GHz

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MITEQ NSP2600-44 Preamp
EMCO 3115 Antenna; S/N:2238
Cable: 12.0 feet
Conns: 4

Equipment for 18-26.5 GHz

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HP11975A Preamp (LO)
ARA MWH-1826B & HP11970K
Cable: 3.0 feet
Conns: 4

Equipment for 26.5-40 GHz

HP8566B Analyzer
HP 11975A Amplifier (LO)
HP 11970A External mixer/antenna (#2)
Cable: IF Only (321 MHz)

Avg Lim: 54.0 dBuV/m Section 15.209 limit
Peak Lim: 74.0 dBuV/m Section 15.209 limit

Average Spurious:
RBW > 1 MHz
VBW = 10 Hz
Peak Detect
Linear Mode

Peak Spurious:
RBW > 1 MHz
VBW >= RBW
Peak Detect
Linear Mode

f GHz	Dist cm	Read dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Ew dBuV/m	Limit dBuV/m	Margin dB	RBW Hz	VBW Hz	Polarize	Detect	Notes	
PANEL CH 14															
2.485	300.0	55.2	30.3	2.7	-42.3	0.0	45.8	54.0	-8.2	1M	1M	vertical	peak	restricted band 2483.5 - 2500MHz	
2.484	300.0	56.0	30.3	2.7	-42.3	0.0	46.6	54.0	-7.4	1M	1M	vertical	peak	LO for 5.8 GHz	
3.328	300.0	52.0	32.3	3.1	-42.1	0.0	45.3	54.0	-8.7	1M	1M	vertical	peak	LO	
CH 14	5.8120	GHz (harmonic)													
11.624	250.0	58.5	40.0	6.4	-39.7	-1.6	63.6	74.0	-10.4	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.624	250.0	47.5	40.0	6.4	-39.7	-1.6	52.6	54.0	-1.4	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.624	250.0	55.5	40.0	6.4	-39.7	-1.6	60.6	74.0	-13.4	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.624	250.0	44.8	40.0	6.4	-39.7	-1.6	49.9	54.0	-4.1	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.436	200.0	54.0	44.4	8.7	-44.1	-3.5	59.5	99.6	-40.1	1M	1M	vertical	peak	15.247, -20dBc	
17.436	200.0	43.4	44.4	8.7	-44.1	-3.5	48.9	99.6	-50.7	1M	10	vertical	average	15.247, -20dBc	
17.436	200.0	47.2	44.4	8.7	-44.1	-3.5	52.7	99.6	-46.9	1M	1M	horizontal	peak	15.247, -20dBc	
25.982	200.0	41.6	33.9	3.8	-30.0	-3.5	45.8	99.6	-53.8	1M	1M	vertical	peak	15.247, -20dBc	
CH 9	5.7800	GHz (harmonic)													
11.560	250.0	56.8	40.0	6.4	-39.7	-1.6	61.9	74.0	-12.1	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.560	250.0	45.6	40.0	6.4	-39.7	-1.6	50.7	54.0	-3.3	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.560	250.0	53.0	40.0	6.4	-39.7	-1.6	58.1	74.0	-15.9	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.560	250.0	42.6	40.0	6.4	-39.7	-1.6	47.7	54.0	-6.3	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.340	200.0	54.8	44.0	8.7	-44.1	-3.5	59.9	99.6	-39.7	1M	1M	vertical	peak	15.247, -20dBc	
17.340	200.0	43.6	44.0	8.7	-44.1	-3.5	48.7	99.6	-50.9	1M	10	vertical	average	15.247, -20dBc	
17.340	200.0	47.2	44.0	8.7	-44.1	-3.5	52.3	99.6	-47.3	1M	1M	horizontal	peak	15.247, -20dBc	
25.839	200.0	36.4	33.9	3.8	-30.0	-3.5	40.5	99.6	-59.1	1M	1M	vertical	peak	15.247, -20dBc	
CH 1	5.7400	GHz (harmonic)													
11.480	250.0	59.3	40.0	6.4	-39.6	-1.6	64.5	74.0	-9.5	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	48.7	40.0	6.4	-39.6	-1.6	53.9	54.0	-0.1	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.480	250.0	53.8	40.0	6.4	-39.6	-1.6	59.0	74.0	-15.0	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	42.4	40.0	6.4	-39.6	-1.6	47.6	54.0	-6.4	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.220	200.0	53.2	43.6	8.6	-44.1	-3.5	57.9	99.6	-41.7	1M	1M	vertical	peak	15.247, -20dBc	
17.220	200.0	42.3	43.6	8.6	-44.1	-3.5	47.0	99.6	-52.6	1M	10	vertical	average	15.247, -20dBc	
17.220	200.0	47.2	43.6	8.6	-44.1	-3.5	51.9	99.6	-47.7	1M	1M	horizontal	peak	15.247, -20dBc	
25.659	200.0	37.3	33.8	3.8	-30.0	-3.5	41.4	99.6	-58.2	1M	1M	vertical	peak	15.247, -20dBc	

Read
AF

Analyzer Reading
Antenna Factor

D Corr

Distance Correct to 3 meters

RBW

VBW

Resolution Bandwidth

Video Bandwidth

NOTE: with any red color limit, you may use 20dB down.

02/20/2002 and 02/21/02

Compliance Certification Services, Morgan Hill Open Field Site

Equipment for 1-18 GHz

HP8566B Analyzer
MITEQ NSP2600-44 Preamp
EMCO 3115 Antenna; S/N:2238
Cable: 12.0 feet
Conns: 4

Equipment for 18-26.5 GHz

HP8566B Analyzer
HP11975A Preamp (LO)
ARA MWH-1826B & HP11970K
Cable: 3.0 feet
Conns: 4

Equipment for 26.5-40 GHz

HP8566B Analyzer
HP 11975A Amplifier (LO)
HP 11970A External mixer/antenna (#2)
Cable: IF Only (321 MHz)

Avg Lim: 54.0 dBuV/m Section 15.209 limit
Peak Lim: 74.0 dBuV/m Section 15.209 limit

Average Spurious:
RBW > 1 MHz
VBW = 10 Hz
Peak Detect
Linear Mode

Peak Spurious:
RBW > 1 MHz
VBW >= RBW
Peak Detect
Linear Mode

f GHz	Dist cm	Read dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Ew dBuV/m	Limit dBuV/m	Margin dB	RBW Hz	VBW Hz	Polarize	Detect	Notes	
SECTOR CH 14															
2.485	300.0	56.0	30.3	2.7	-42.3	0.0	46.6	54.0	-7.4	1M	1M	vertical	peak	restricted band 2483.5 - 2500MHz	
2.484	300.0	56.6	30.3	2.7	-42.3	0.0	47.2	54.0	-6.8	1M	1M	vertical	peak	LO for 5.8 GHz	
3.328	300.0	52.0	32.3	3.1	-42.1	0.0	45.3	54.0	-8.7	1M	1M	vertical	peak	LO	
CH 14	5.8120	GHz (harmonic)													
11.624	250.0	52.0	40.0	6.4	-39.7	-1.6	57.1	74.0	-16.9	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.624	250.0	40.1	40.0	6.4	-39.7	-1.6	45.2	54.0	-8.8	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.624	250.0	49.6	40.0	6.4	-39.7	-1.6	54.7	74.0	-19.3	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.624	250.0	38.2	40.0	6.4	-39.7	-1.6	43.3	54.0	-10.7	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.436	200.0	47.2	44.4	8.7	-44.1	-3.5	52.7	99.6	-46.9	1M	1M	vertical	peak	15.247, -20dBc	
25.982	200.0	30.2	33.9	3.8	-30.0	-3.5	34.4	99.6	-65.2	1M	1M	vertical	peak	15.247, -20dBc	
CH 9	5.7800	GHz (harmonic)													
11.560	250.0	54.4	40.0	6.4	-39.7	-1.6	59.5	74.0	-14.5	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.560	250.0	42.4	40.0	6.4	-39.7	-1.6	47.5	54.0	-6.5	1M	10	vertical	average	restricted band 10.6 - 12.7GHz	
11.560	250.0	50.1	40.0	6.4	-39.7	-1.6	55.2	74.0	-18.8	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.560	250.0	40.0	40.0	6.4	-39.7	-1.6	45.1	54.0	-8.9	1M	10	horizontal	average	restricted band 10.6 - 12.7GHz	
17.340	200.0	47.2	44.0	8.7	-44.1	-3.5	52.3	99.6	-47.3	1M	1M	vertical	peak	15.247, -20dBc	
25.839	200.0	30.4	33.9	3.8	-30.0	-3.5	34.5	99.6	-65.1	1M	1M	vertical	peak	15.247, -20dBc	
CH 1	5.7400	GHz (harmonic)													
11.480	250.0	52.6	40.0	6.4	-39.6	-1.6	57.8	74.0	-16.2	1M	1M	vertical	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	39.7	40.0	6.4	-39.6	-1.6	44.9	54.0	-9.1	1M	10	vertical	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	49.9	40.0	6.4	-39.6	-1.6	55.1	74.0	-18.9	1M	1M	horizontal	peak	restricted band 10.6 - 12.7GHz	
11.480	250.0	37.5	40.0	6.4	-39.6	-1.6	42.7	54.0	-11.3	1M	10	horizontal	peak	restricted band 10.6 - 12.7GHz	
17.220	200.0	47.2	43.6	8.6	-44.1	-3.5	51.9	99.6	-47.7	1M	1M	vertical	peak	15.247, -20dBc	
25.659	200.0	30.8	33.8	3.8	-30.0	-3.5	34.9	99.6	-64.7	1M	1M	vertical	peak	15.247, -20dBc	

f	Measurement Frequency	CL	Cable Loss	Ew	Field Strength @ 3 m
Dist	Distance to Antenna	Amp	Preamp Gain	Limit	Field Strength Limit @ 3m
Read	Analyzer Reading	D Corr	Distance Correct to 3 meters	RBW	Resolution Bandwidth
AF	Antenna Factor			VBW	Video Bandwidth

NOTE: with any red color limit, you may use 20dB down.

02/20/2002 and 02/21/02

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Average Spurious:
RBW > 1 MHz
VBW = 10 Hz
Peak Detect
Linear Mode

Peak Spurious:
RBW > 1 MHz
VBW >= RBW
Peak Detect
Linear Mode

f GHz	Dist cm	Read dBuV	AF dB/m	CL dB	Amp dB	D Corr dB	Ew dBuV/m	Limit dBuV/m	Margin dB	RBW Hz	VBW Hz	DETECT	Notes	
OMNI CH 14														
2.485	300.0	53.8	30.3	2.7	-42.3	0.0	44.4	54.0	-9.6	1M	1M	peak	restricted band 2483.5 - 2500MHz	
2.484	300.0	55.3	30.3	2.7	-42.3	0.0	45.9	54.0	-8.1	1M	1M	peak	LO for 5.8 GHz	
3.328	300.0	52.0	32.3	3.1	-42.1	0.0	45.3	54.0	-8.7	1M	1M	peak	LO	
CH 14	5.8120	GHz (harmonic)												
11.624	250.0	45.7	40.0	6.4	-39.7	-1.6	50.8	54.0	-3.2	1M	1M	peak	(noise floor)restricted band 10.6-12.7GHz	
17.436	200.0	47.2	44.4	8.7	-44.1	-3.5	52.7	99.6	-46.9	1M	1M	peak	15.247, -20dBc	
25.982	200.0	30.2	33.9	3.8	-30.0	-3.5	34.4	99.6	-65.2	1M	1M	peak	15.247, -20dBc	
CH 9	5.7800	GHz (harmonic)												
11.560	250.0	45.7	40.0	6.4	-39.7	-1.6	50.8	54.0	-3.2	1M	1M	peak	(noise floor)restricted band 10.6-12.7GHz	
17.340	200.0	47.2	44.0	8.7	-44.1	-3.5	52.3	99.6	-47.3	1M	1M	peak	15.247, -20dBc	
25.839	200.0	30.4	33.9	3.8	-30.0	-3.5	34.5	99.6	-65.1	1M	1M	peak	15.247, -20dBc	
CH 1	5.7400	GHz (harmonic)												
11.480	250.0	45.7	40.0	6.4	-39.6	-1.6	50.9	54.0	-3.1	1M	1M	peak	(noise floor)restricted band 10.6-12.7GHz	
17.220	200.0	47.2	43.6	8.6	-44.1	-3.5	51.9	99.6	-47.7	1M	1M	peak	15.247, -20dBc	
25.659	200.0	30.8	33.8	3.8	-30.0	-3.5	34.9	99.6	-64.7	1M	1M	peak	15.247, -20dBc	

f	Measurement Frequency	CL	Cable Loss	Ew	Field Strength @ 3 m
Dist	Distance to Antenna	Amp	Preamp Gain	Limit	Field Strength Limit @ 3m
Read	Analyzer Reading	D Corr	Distance Correct to 3 meters	RBW	Resolution Bandwidth
AF	Antenna Factor			VBW	Video Bandwidth

NOTE: with any red color limit, you may use 20dB down.

Antenna Factors

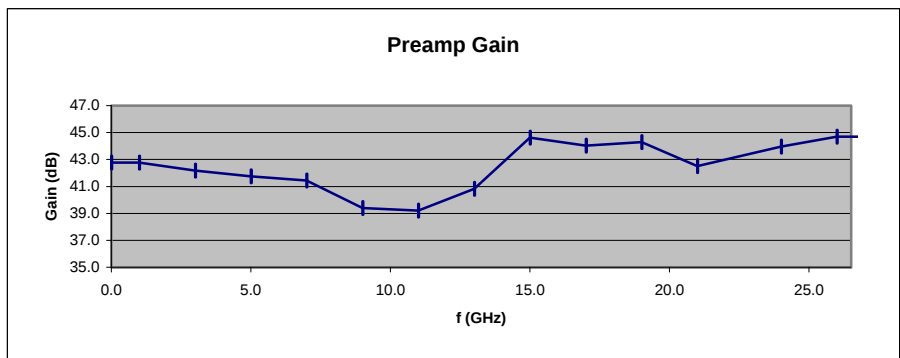
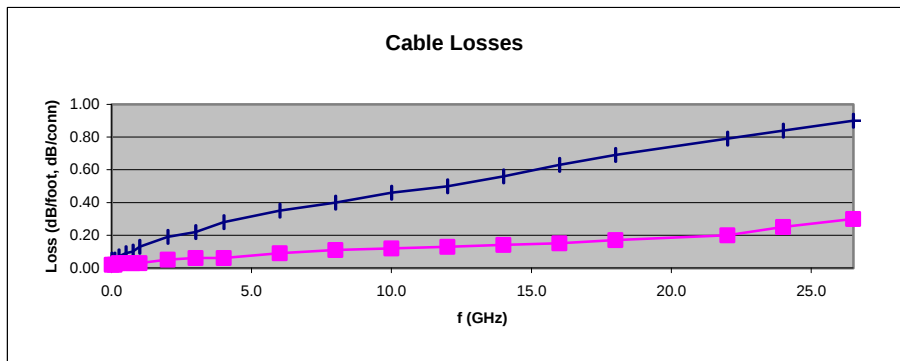
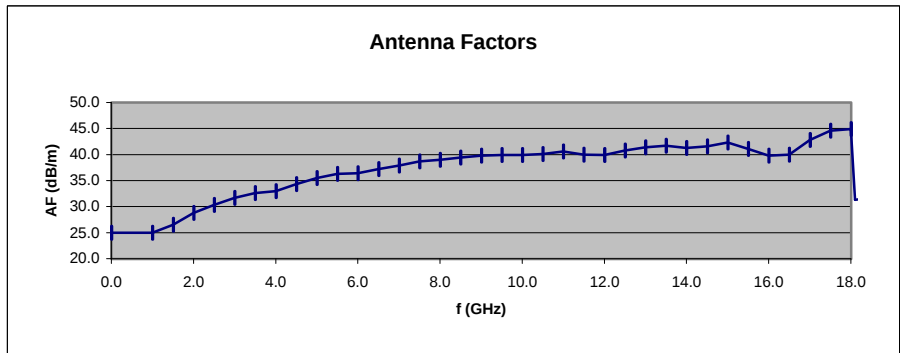
f GHz	AF dB/m
0.0	25.0
1.0	25.0
1.5	26.5
2.0	28.8
2.5	30.3
3.0	31.7
3.5	32.6
4.0	33.0
4.5	34.3
5.0	35.5
5.5	36.3
6.0	36.4
6.5	37.2
7.0	37.9
7.5	38.7
8.0	39.0
8.5	39.4
9.0	39.8
9.5	39.9
10.0	39.9
10.5	40.1
11.0	40.6
11.5	40.0
12.0	39.9
12.5	40.8
13.0	41.4
13.5	41.7
14.0	41.3
14.5	41.6
15.0	42.3
15.5	41.1
16.0	39.8
16.5	40.0
17.0	42.8
17.5	44.6
18.0	44.9
18.1	31.3
18.5	31.7
19.0	32.0

Cable Losses (per foot)

f GHz	Max Loss dB	Conn Loss dB
0.0	0.05	0.02
0.1	0.05	0.02
0.3	0.07	0.03
0.5	0.09	0.03
0.8	0.10	0.03
1.0	0.13	0.03
2.0	0.19	0.05
3.0	0.22	0.06
4.0	0.28	0.06
6.0	0.35	0.09
8.0	0.40	0.11
10.0	0.46	0.12
12.0	0.50	0.13
14.0	0.56	0.14
16.0	0.63	0.15
18.0	0.69	0.17
22.0	0.79	0.20
24.0	0.84	0.25
26.5	0.90	0.30
99.0	0.90	0.30

Preamp Gain

f GHz	Gain dB
0.0	42.8
1.0	42.8
3.0	42.2
5.0	41.8
7.0	41.4
9.0	39.4
11.0	39.2
13.0	40.8
15.0	44.6
17.0	44.0
19.0	44.3
21.0	42.5
24.0	44.0
26.0	44.7
99.0	44.7



19.5	32.1
20.0	32.1
20.5	32.3
21.0	32.5
21.5	32.7
22.0	32.9
22.5	32.8
23.0	32.7
25.0	33.8
25.5	33.8
26.0	33.9
99.0	46.6