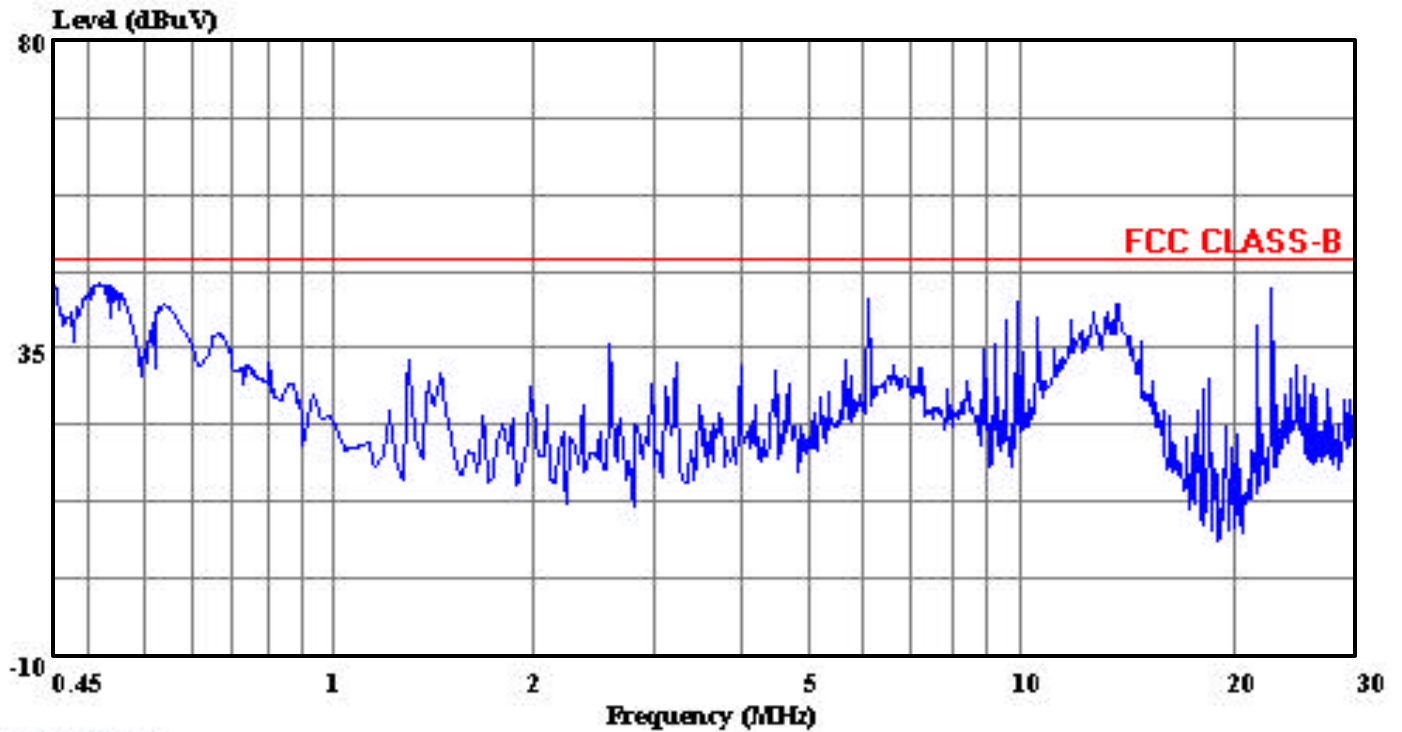


Data#: 11 File#: LC0219.EMI

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



(Audix ATC)

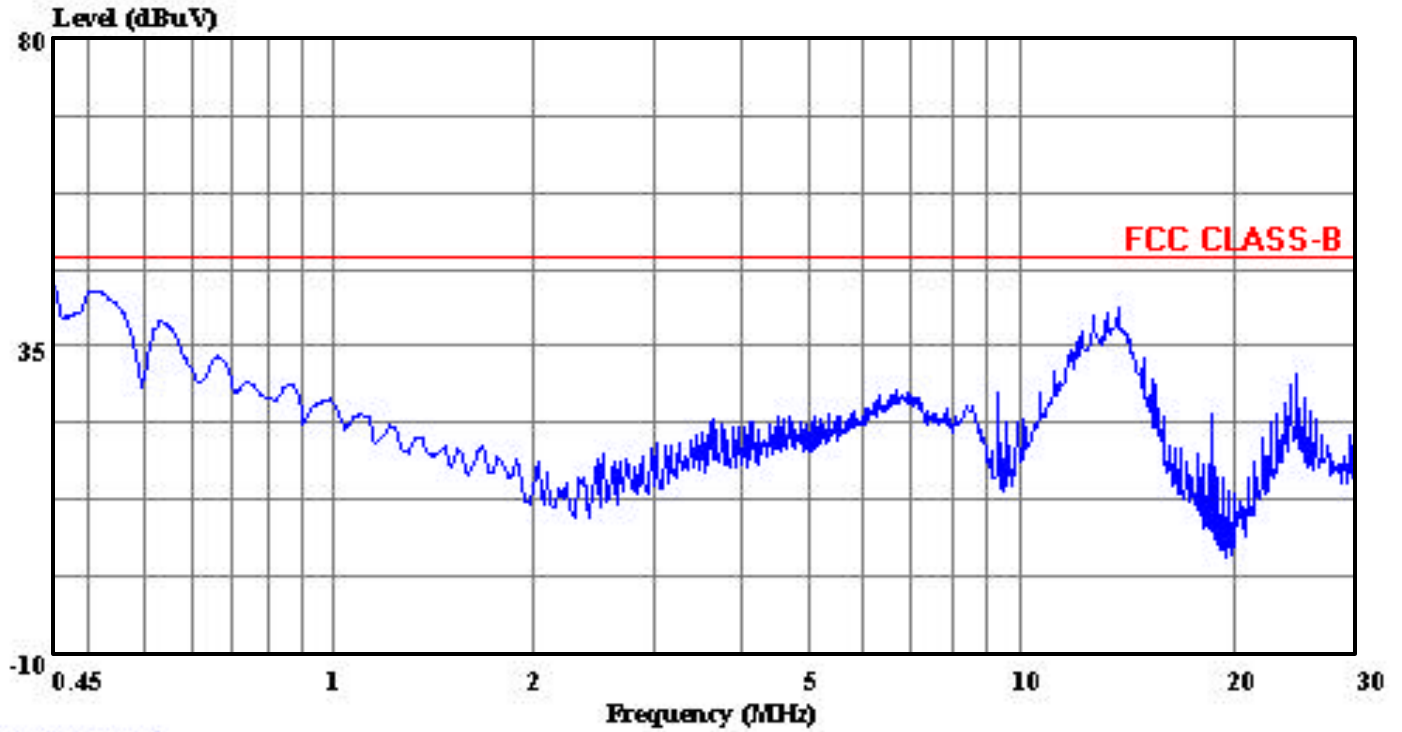
Trace:

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



FCC, VCCI, CISPR, CE, AUSTEL, NZ  
UL, CSA, TUV, BSMI, DHHS, NVLAP

561F MONTEREY ROAD, SAN JOSE, CA 95037-9001  
PHONE: (408) 463-0885 FAX: (408) 463-0888

**Project #:** 02U1143-1  
**Report #:** 020219A01  
**Date & Time:** 02/19/02 11:34 AM  
**Test Engr:** Frank Ibrahim

**Company:** Alvarion  
**EUT Description:** 5.725 - 5.850 DSSS Radio Device  
**Test Configuration :**  
**Type of Test:** FCC CLASS B , Digitap part  
**Mode of Operation:** Normal

A-Site   
  B-Site   
  C-Site   
  F-Site   
    
 02/19/02

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

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 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 LO for 5.8 GHz LO
2.484	300.0	55.3	30.3	2.7	-42.3	0.0	45.9	54.0	-8.1	1M	1M	peak	
3.328	300.0	52.0	32.3	3.1	-42.1	0.0	45.3	54.0	-8.7	1M	1M	peak	
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  
 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.**

Antenna Factors

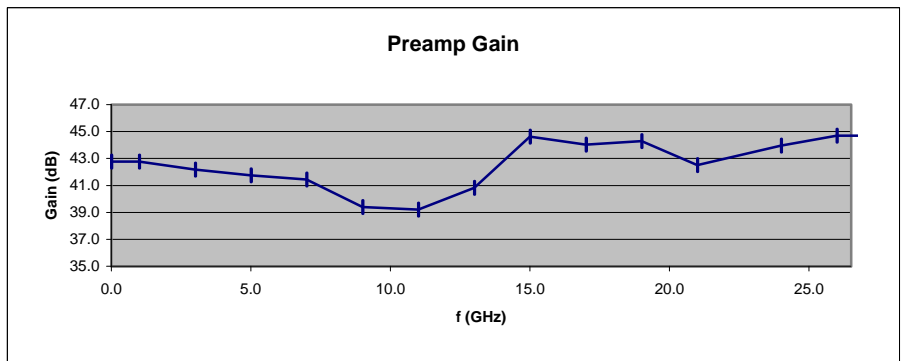
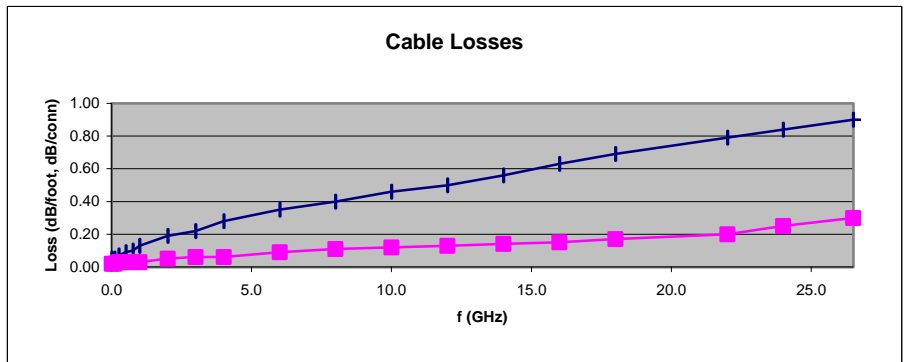
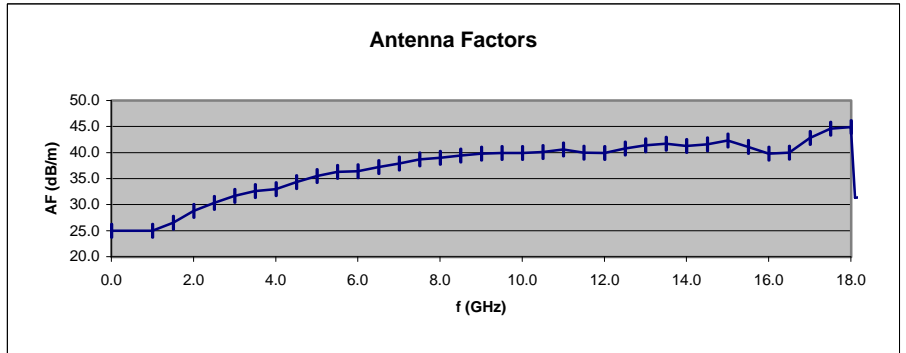
f GHz	AF dB/m
0.0	25.0
1.0	25.0
1.5	26.5
2.0	28.8
2.5	30.3
3.0	31.7
3.5	32.6
4.0	33.0
4.5	34.3
5.0	35.5
5.5	36.3
6.0	36.4
6.5	37.2
7.0	37.9
7.5	38.7
8.0	39.0
8.5	39.4
9.0	39.8
9.5	39.9
10.0	39.9
10.5	40.1
11.0	40.6
11.5	40.0
12.0	39.9
12.5	40.8
13.0	41.4
13.5	41.7
14.0	41.3
14.5	41.6
15.0	42.3
15.5	41.1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