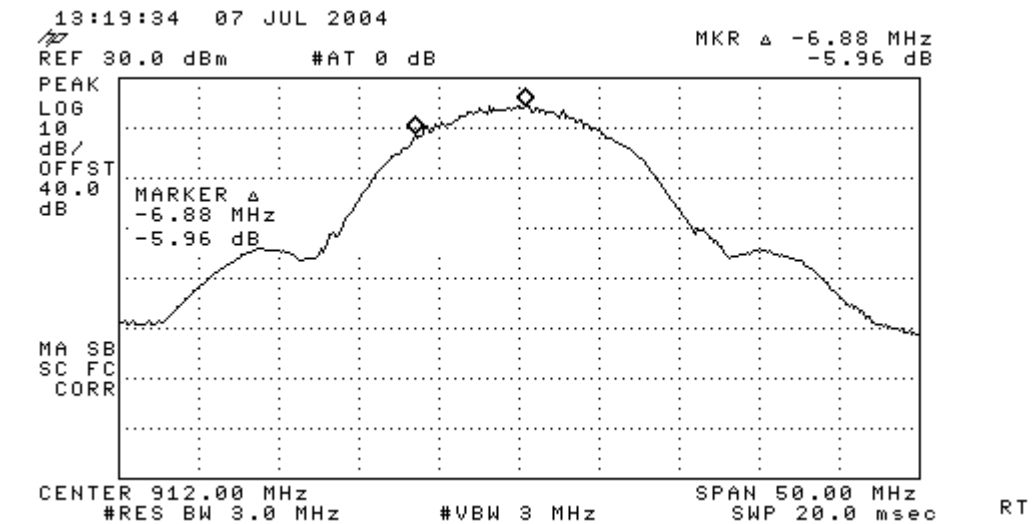
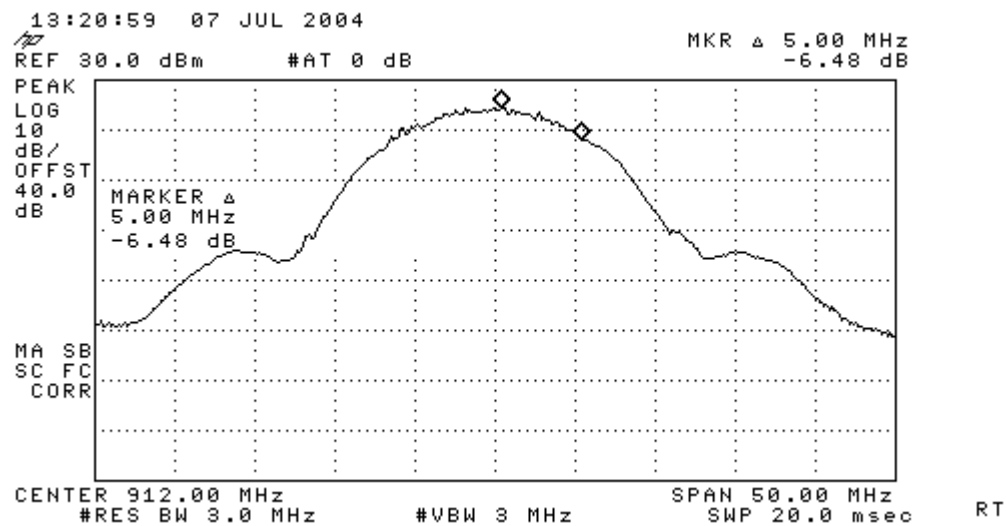


11 Plots

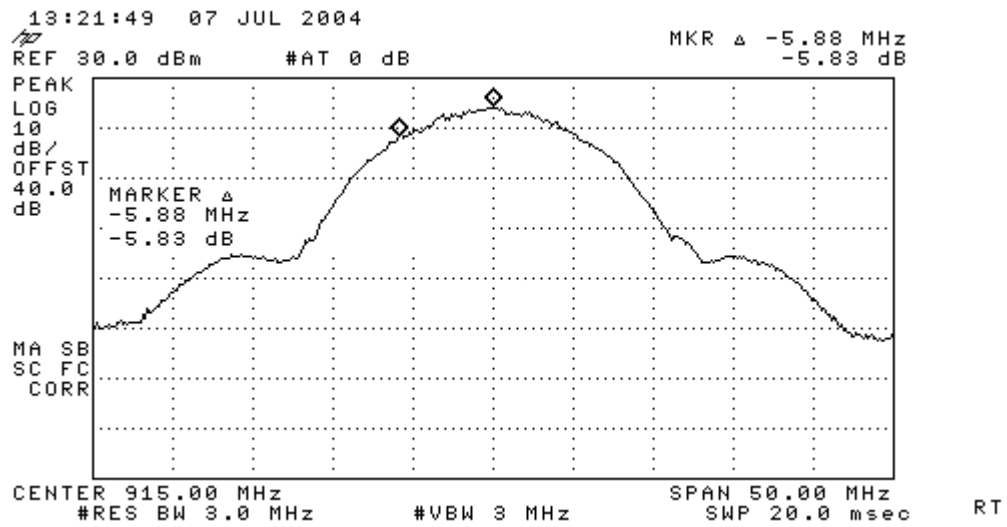
a. Occupied bandwidth plots 1-9



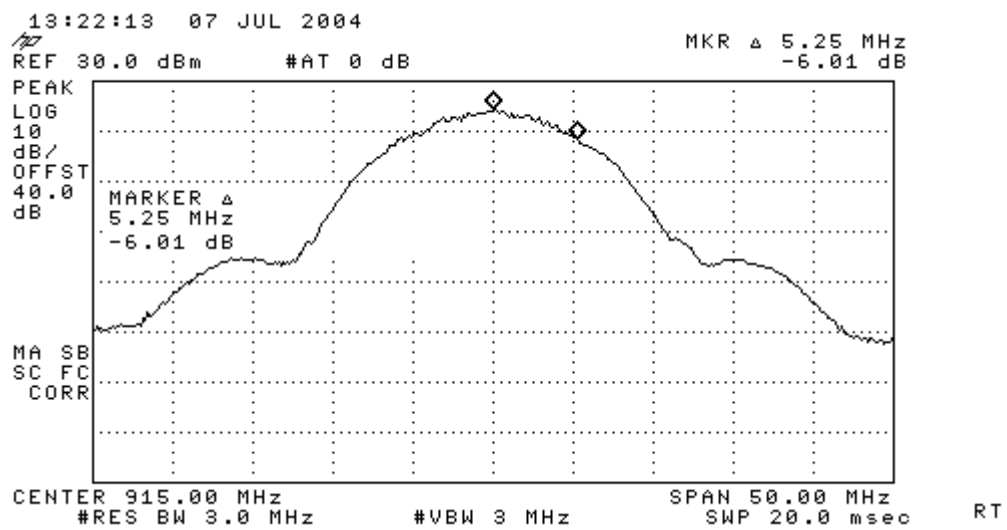
1Plot /



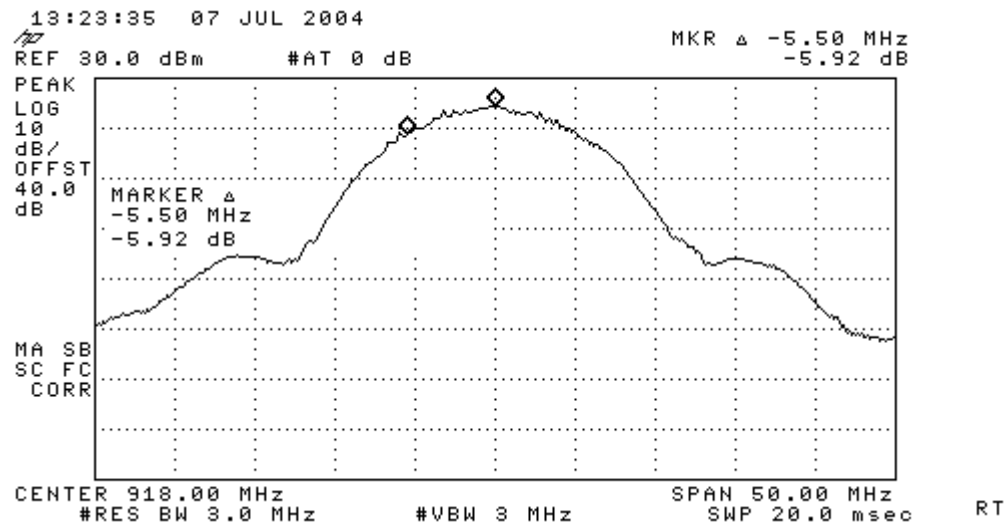
2Plot /



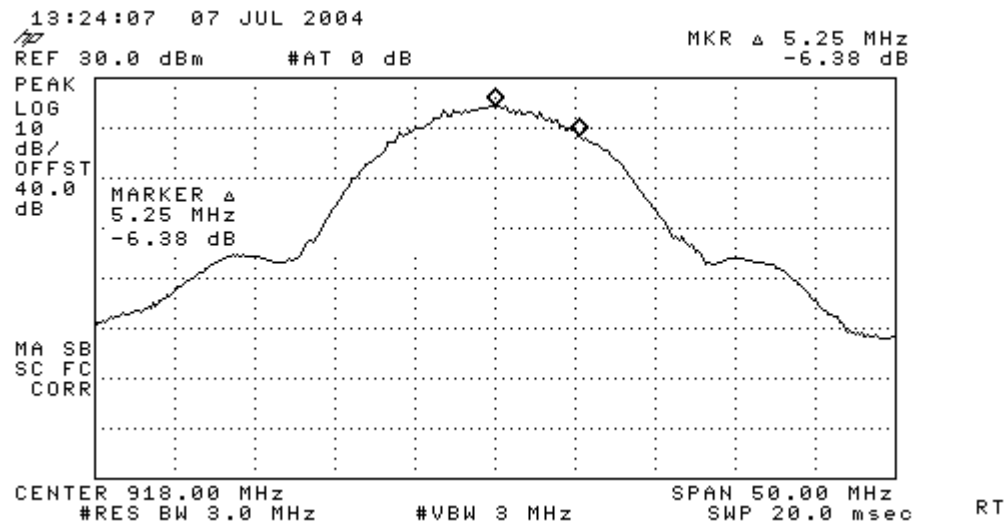
3Plot /



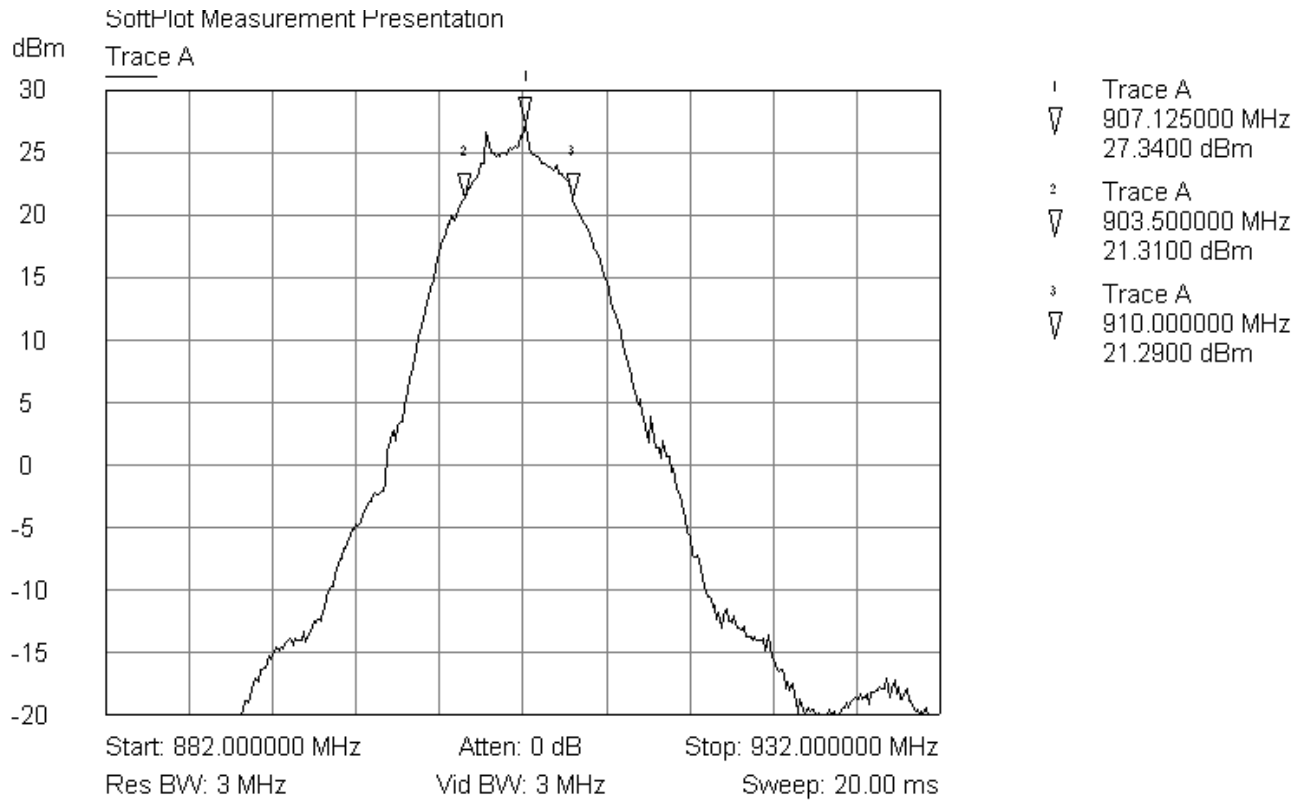
4Plot /



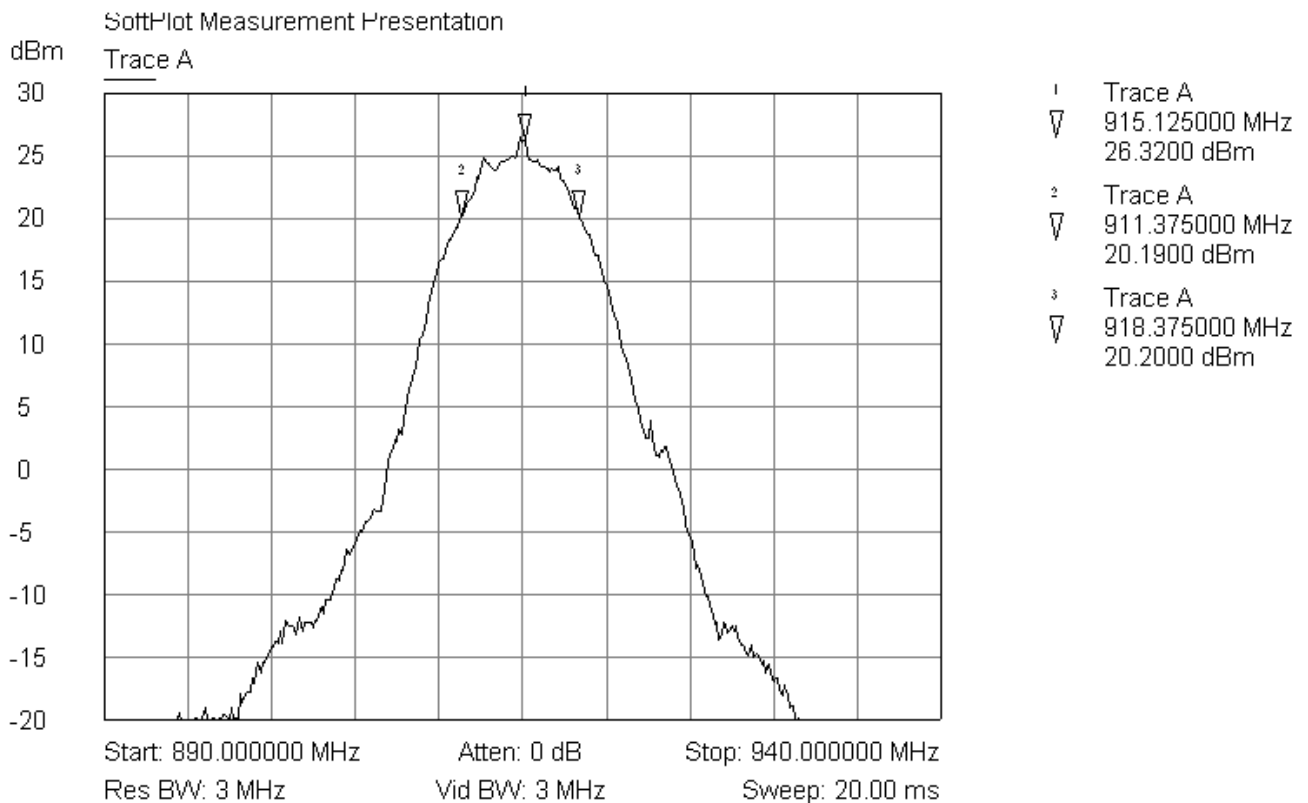
5Plot /



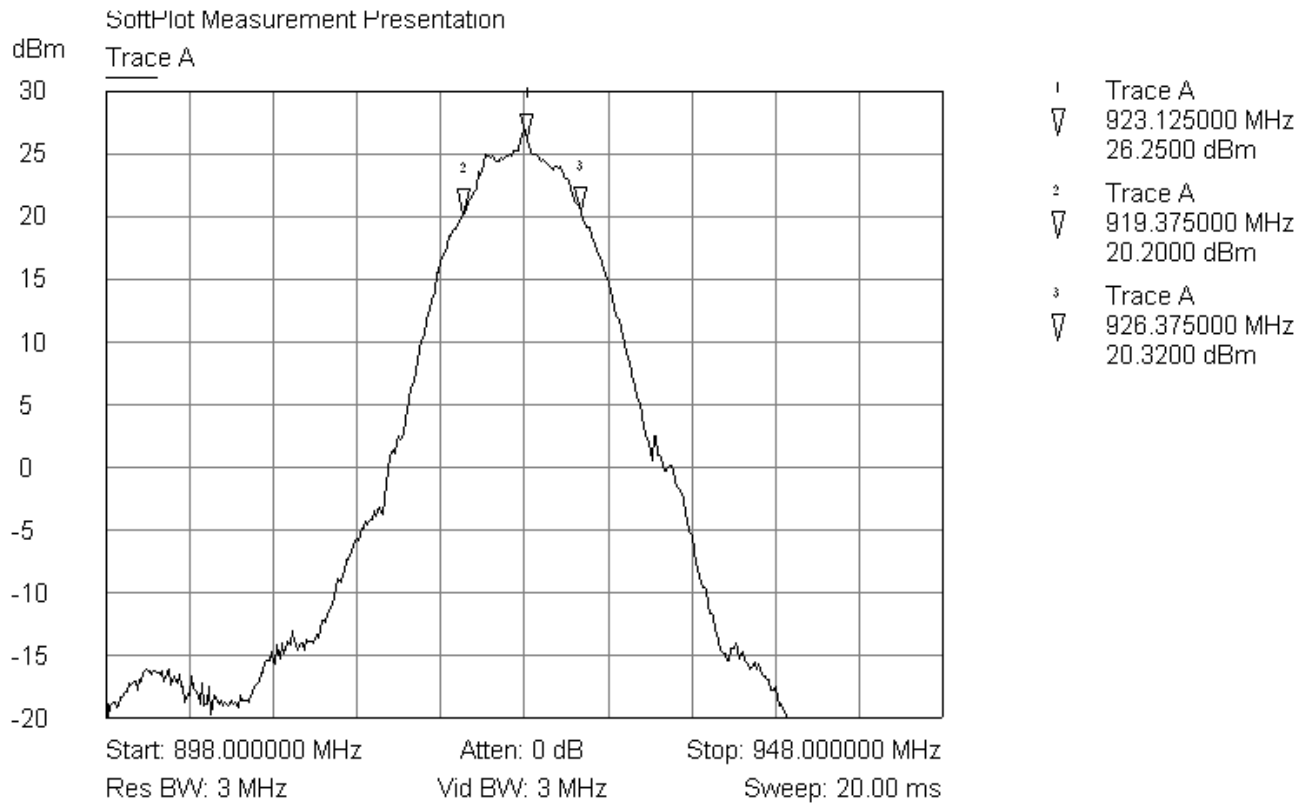
6Plot /



7Plot /

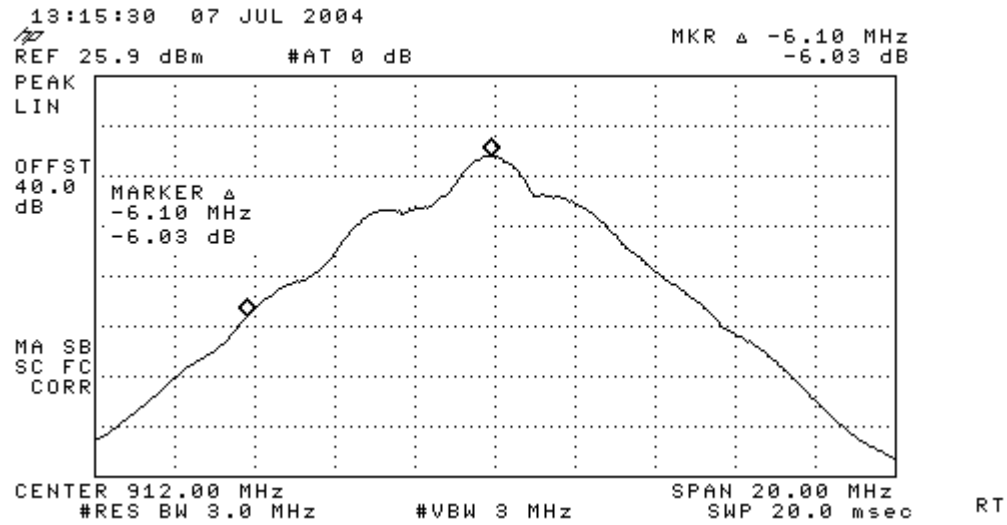


8Plot /

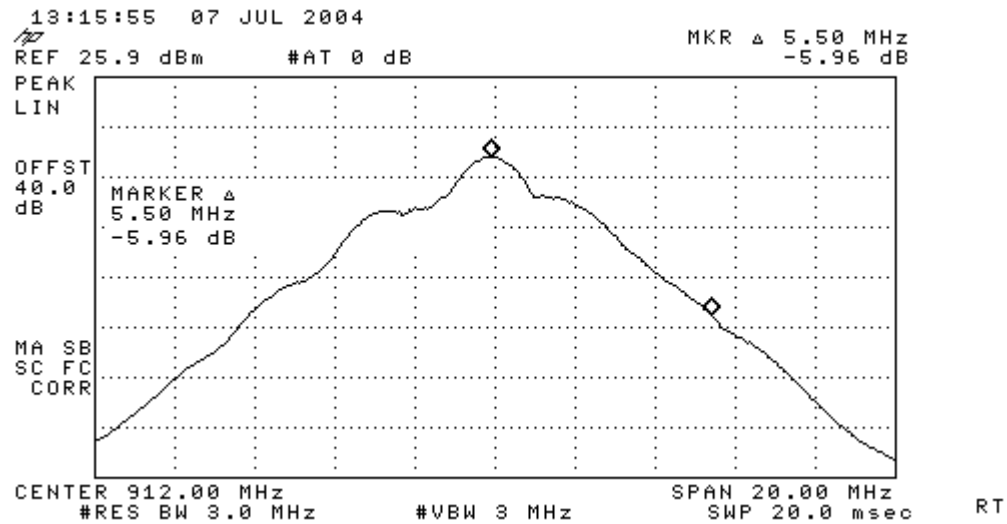


9Plot /

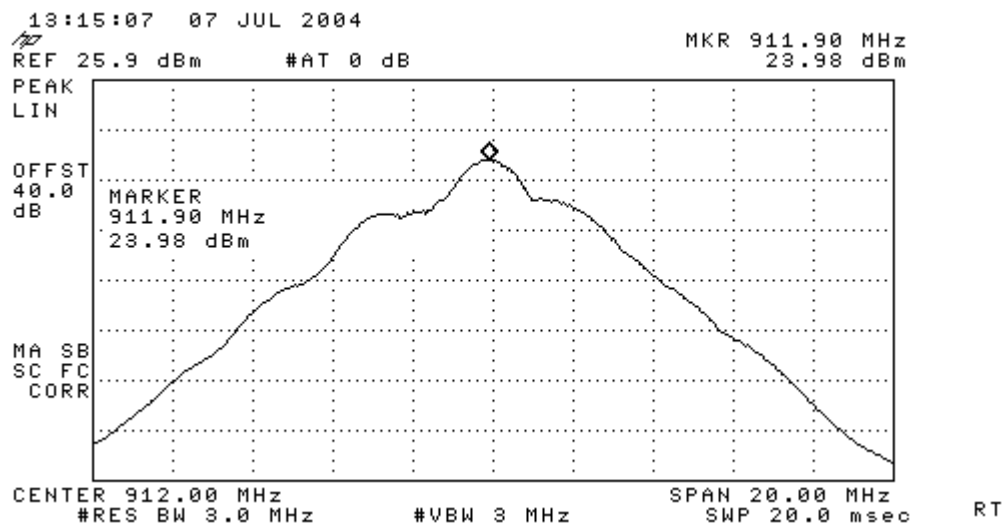
b. **Maximum peak output power plots 10-21**



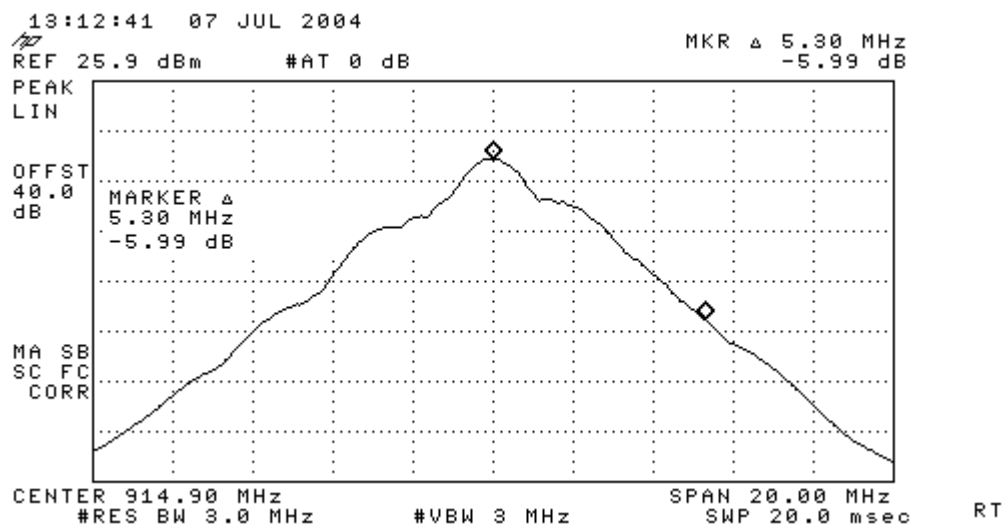
10Plot /



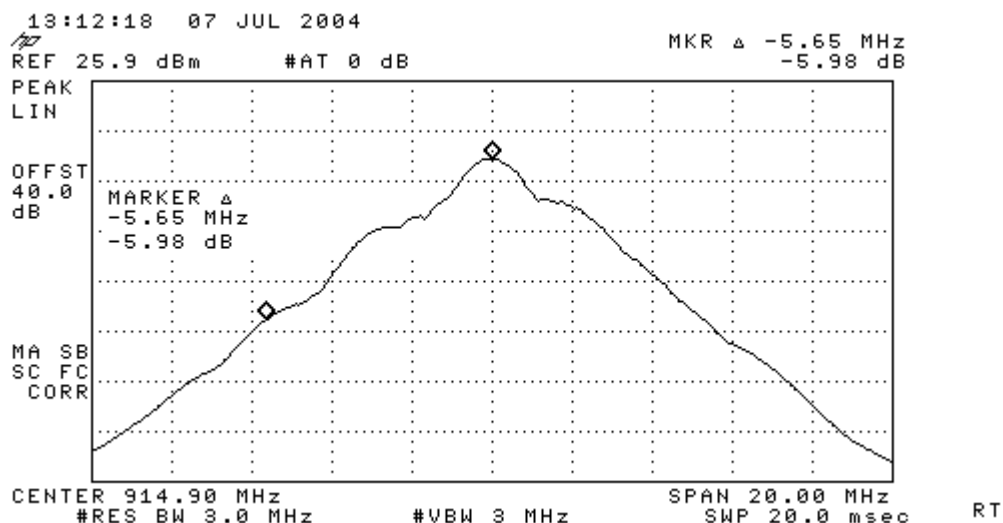
11Plot /



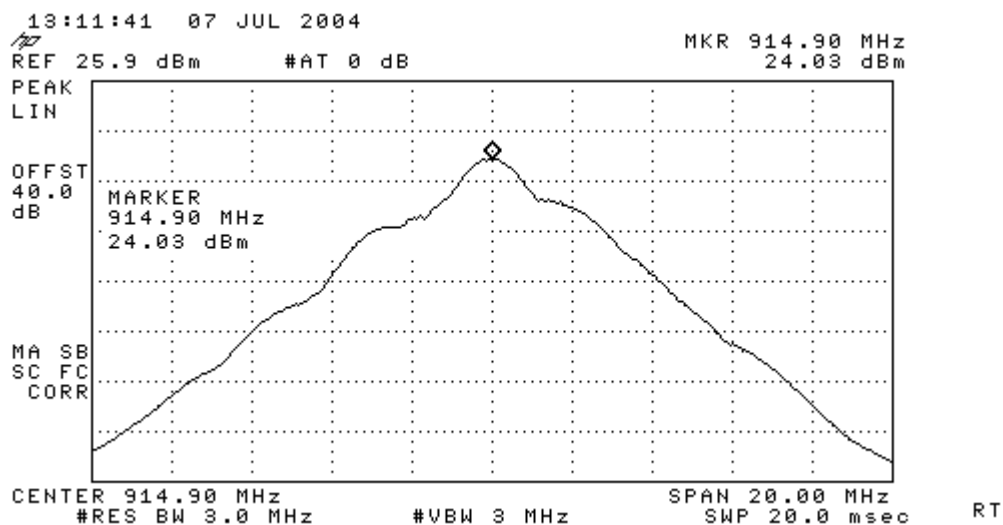
12Plot /



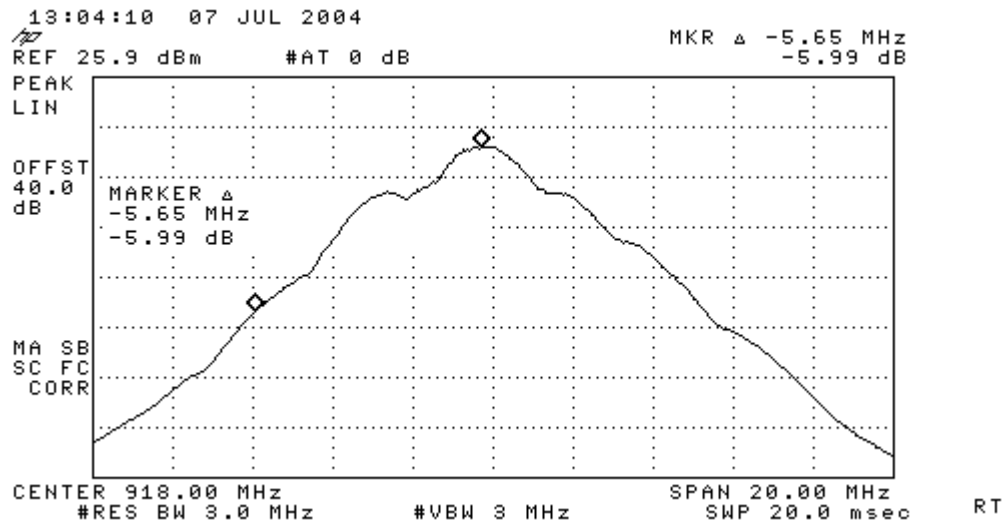
13Plot /



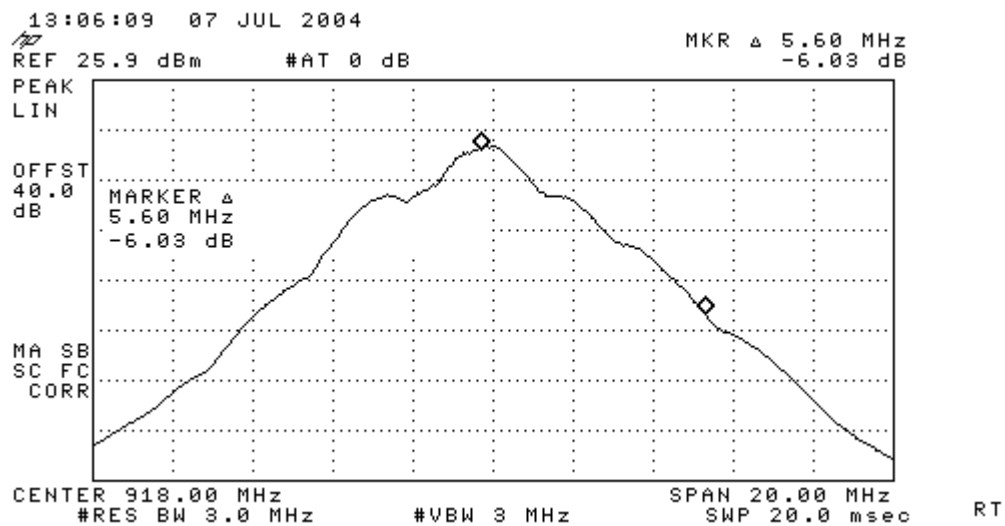
14Plot /



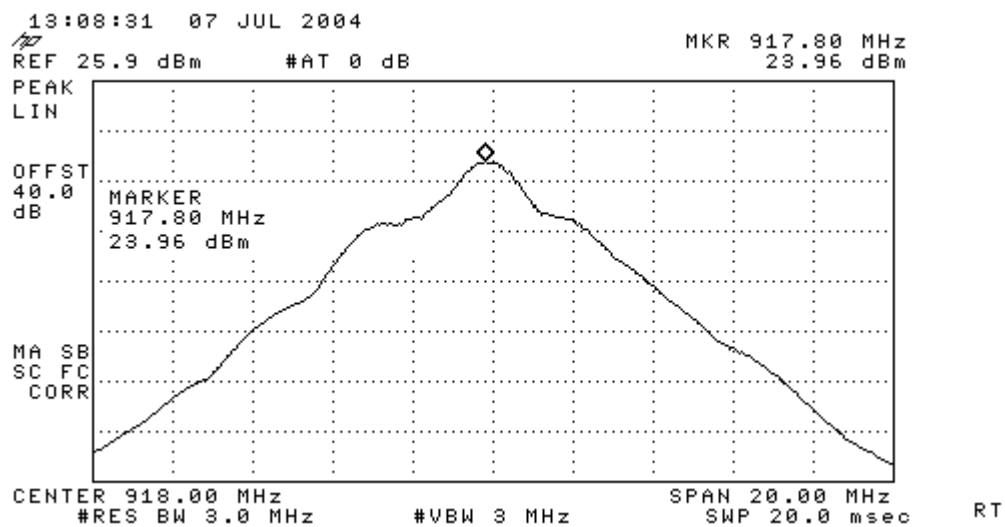
15Plot /



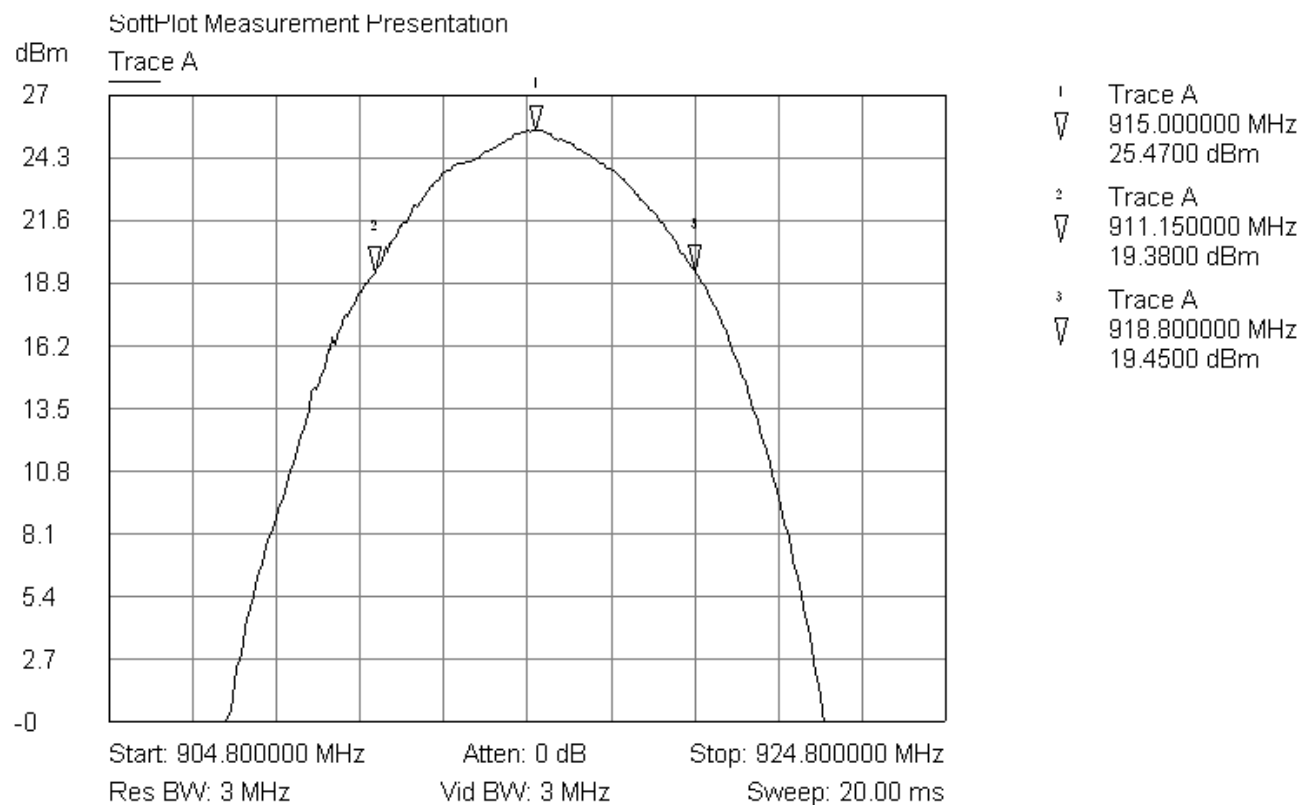
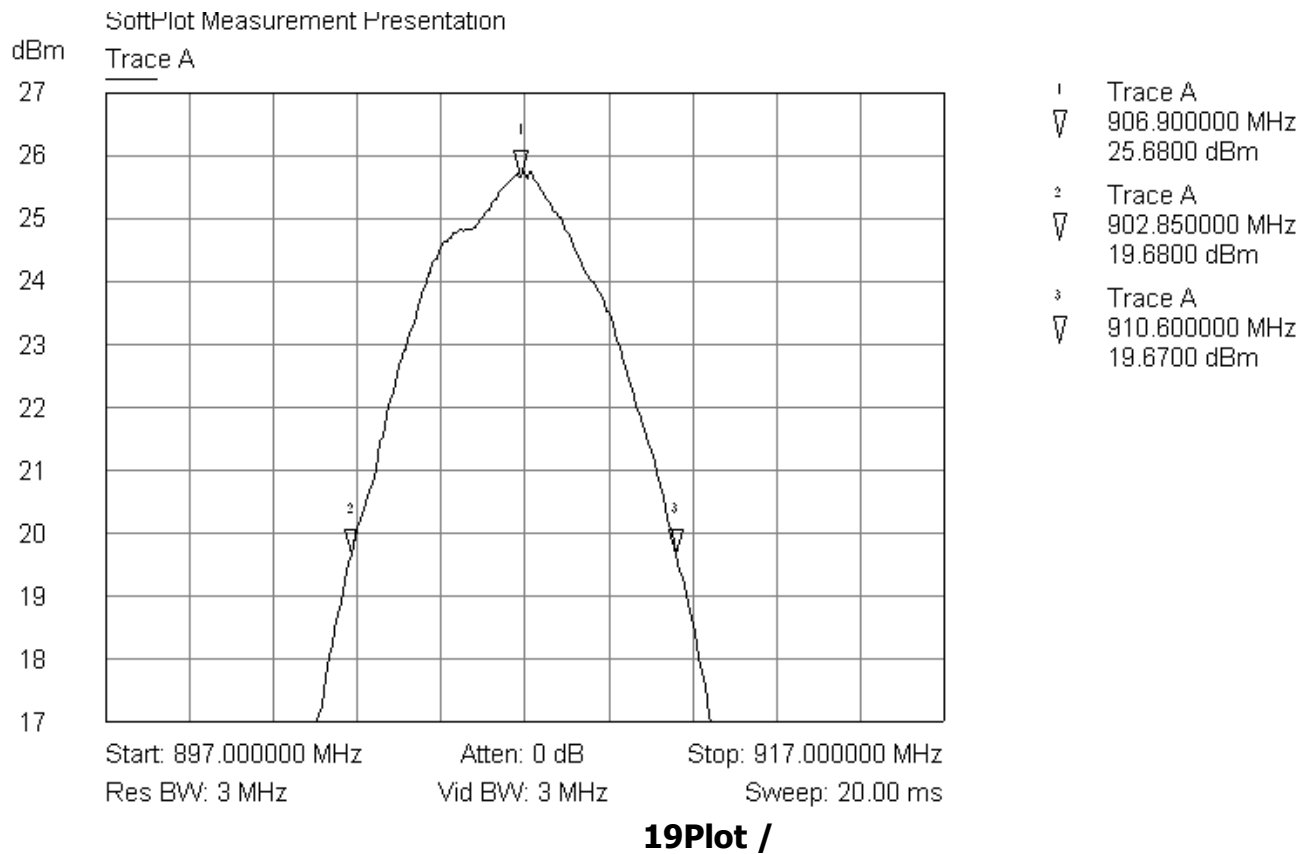
16Plot /

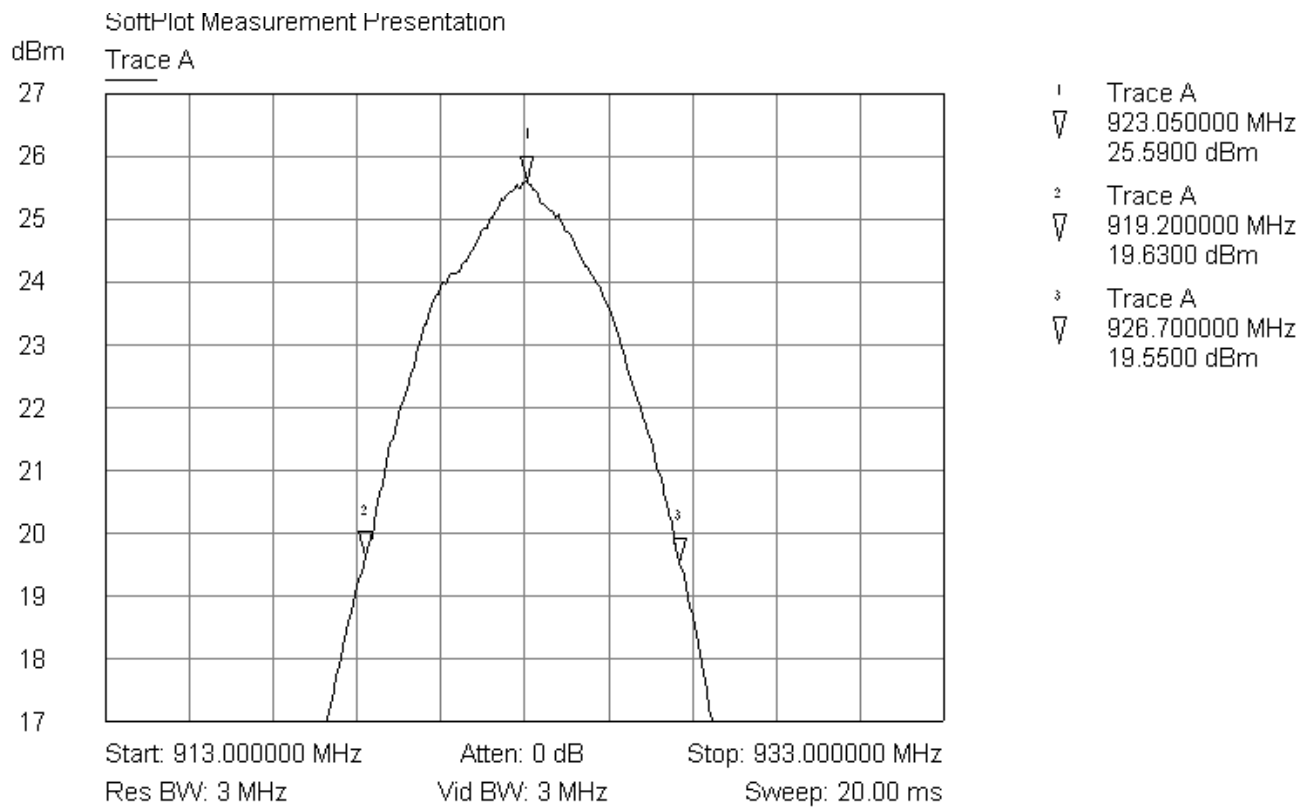


17Plot /



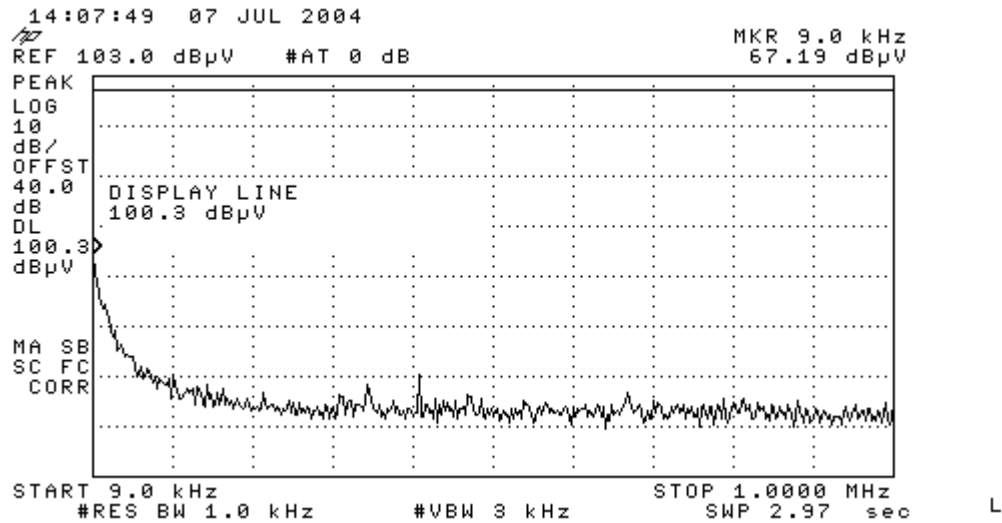
18Plot /



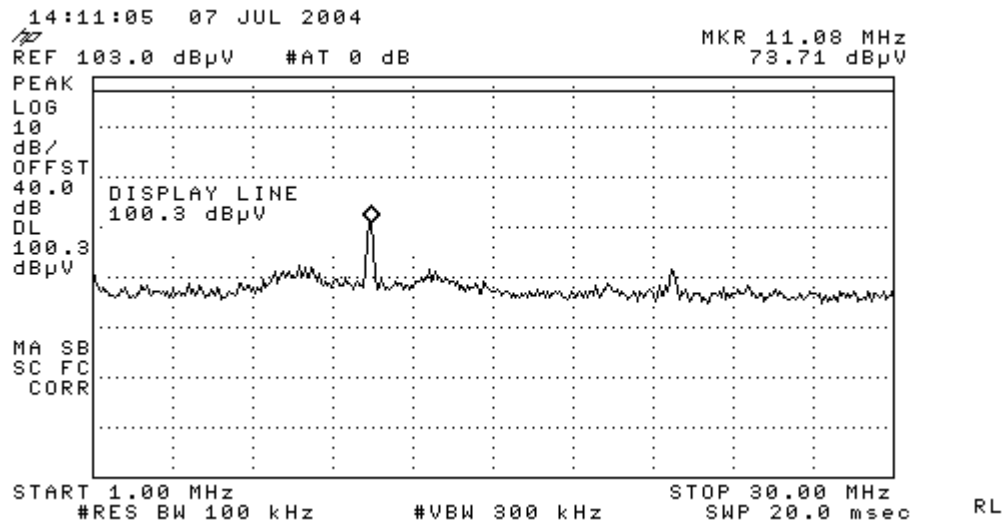


21Plot /

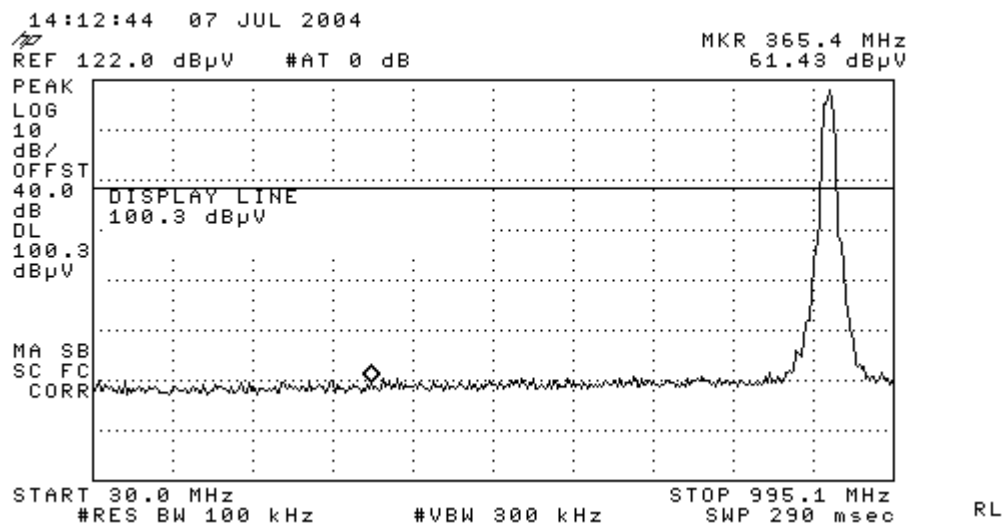
c. Out of band emission Plots 22 - 41



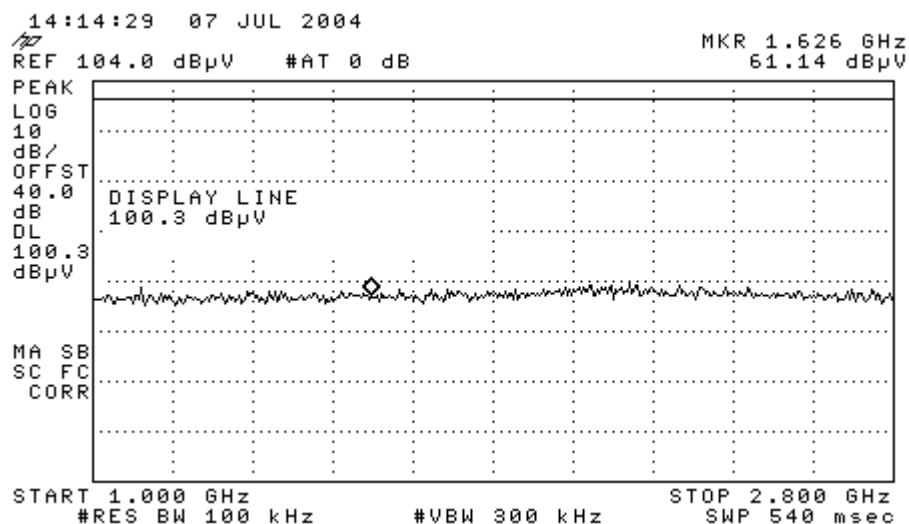
22Plot /



23Plot /

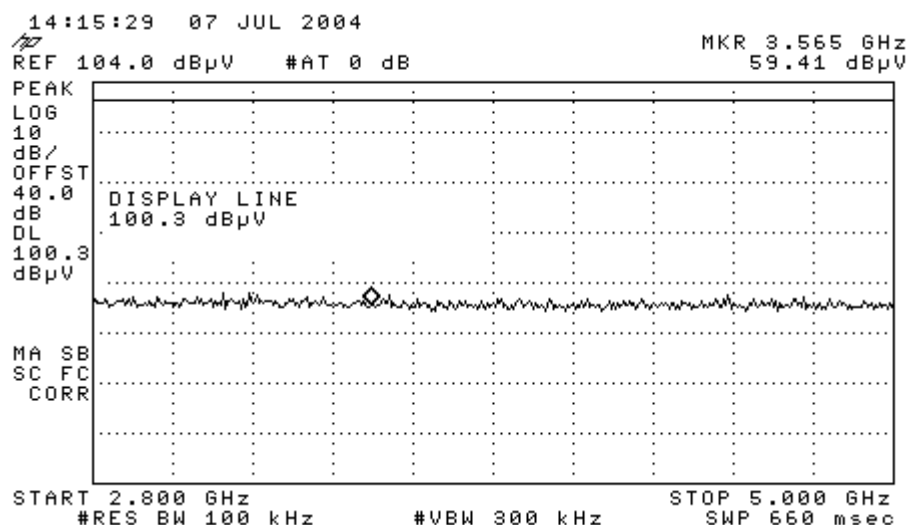


24Plot /



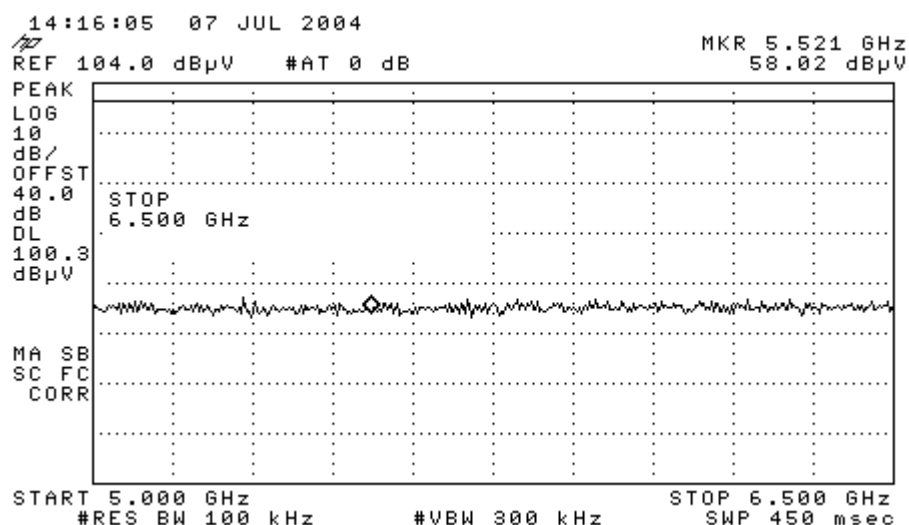
L

25Plot /



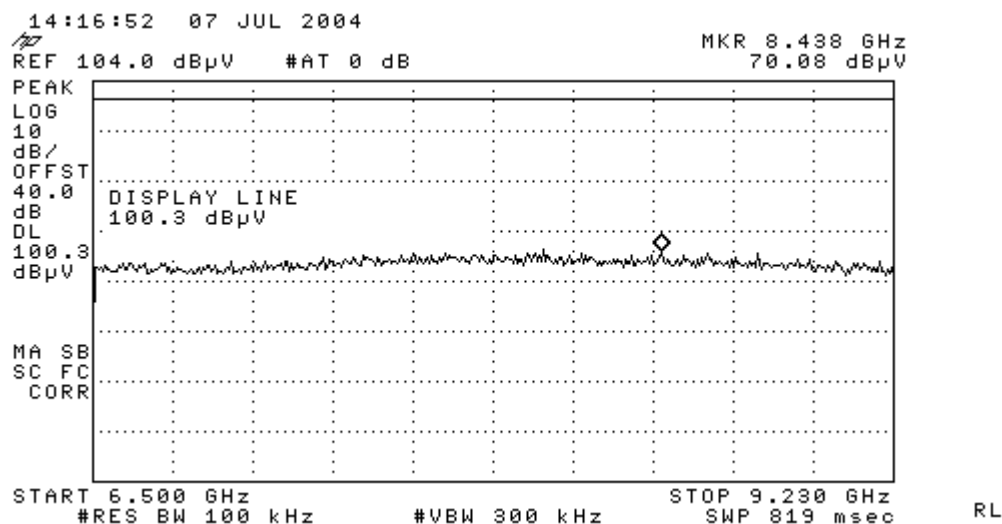
RL

26Plot /

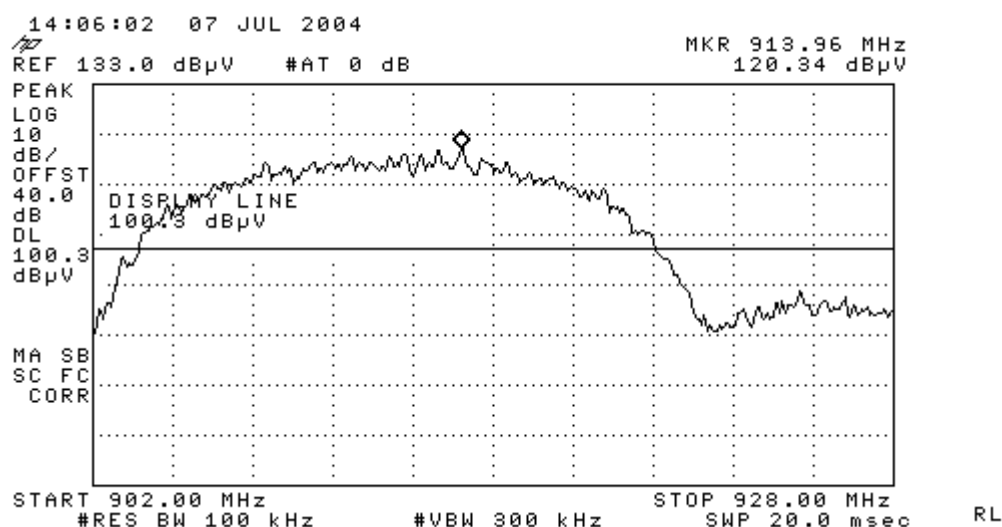


RT

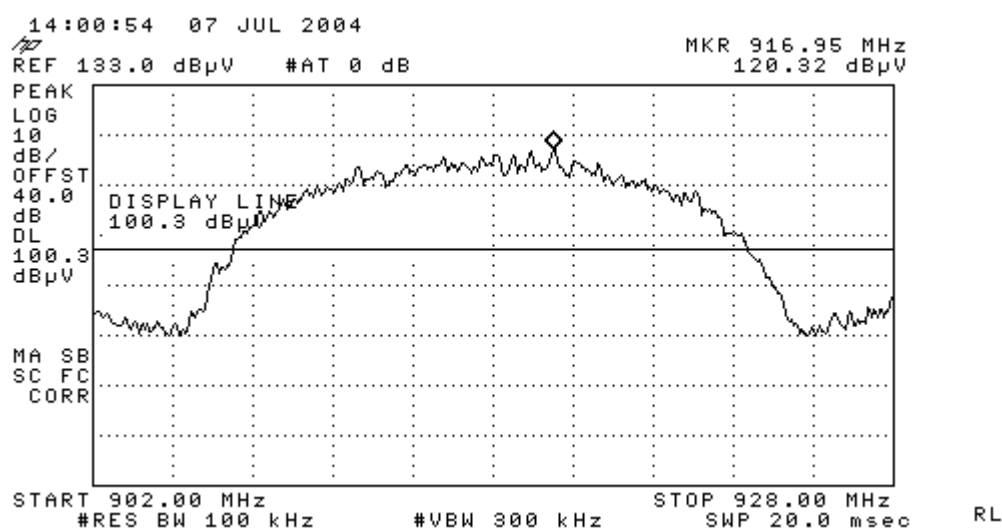
27Plot /



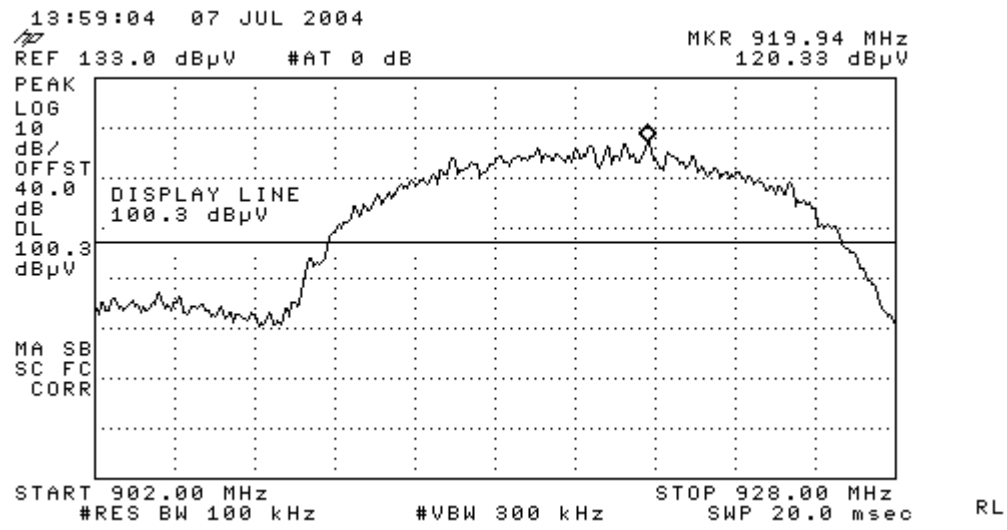
28Plot /

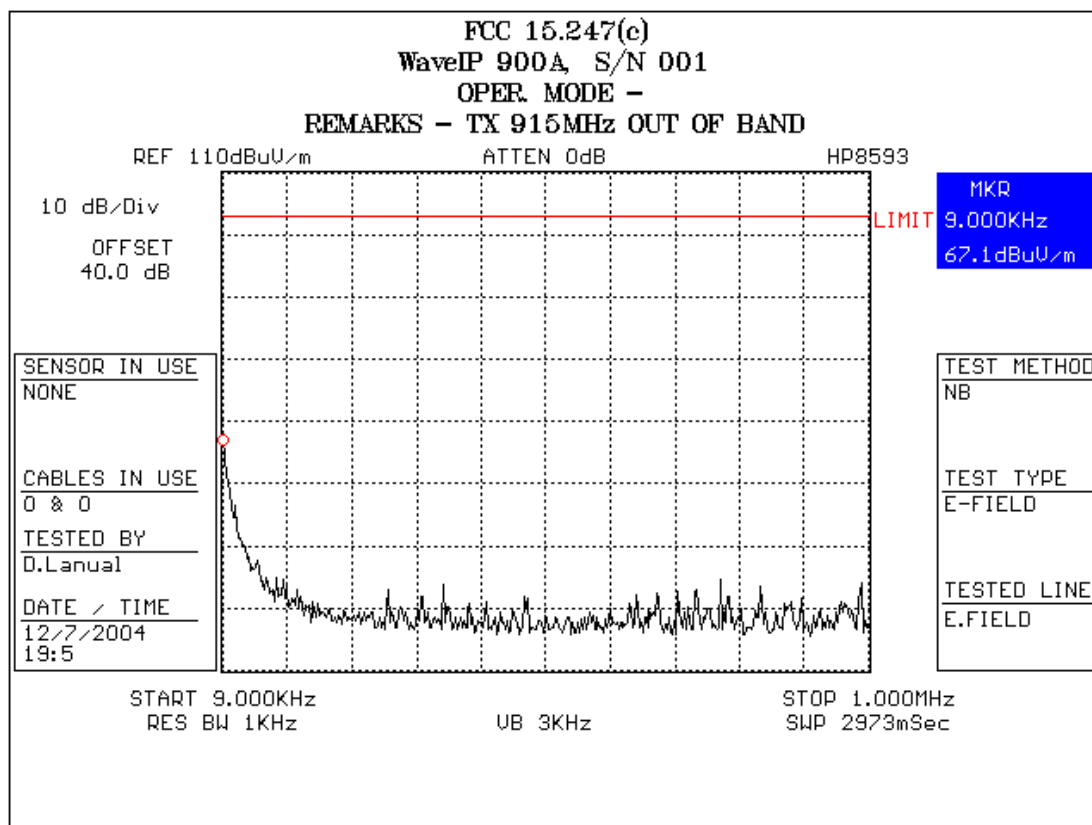


29Plot /

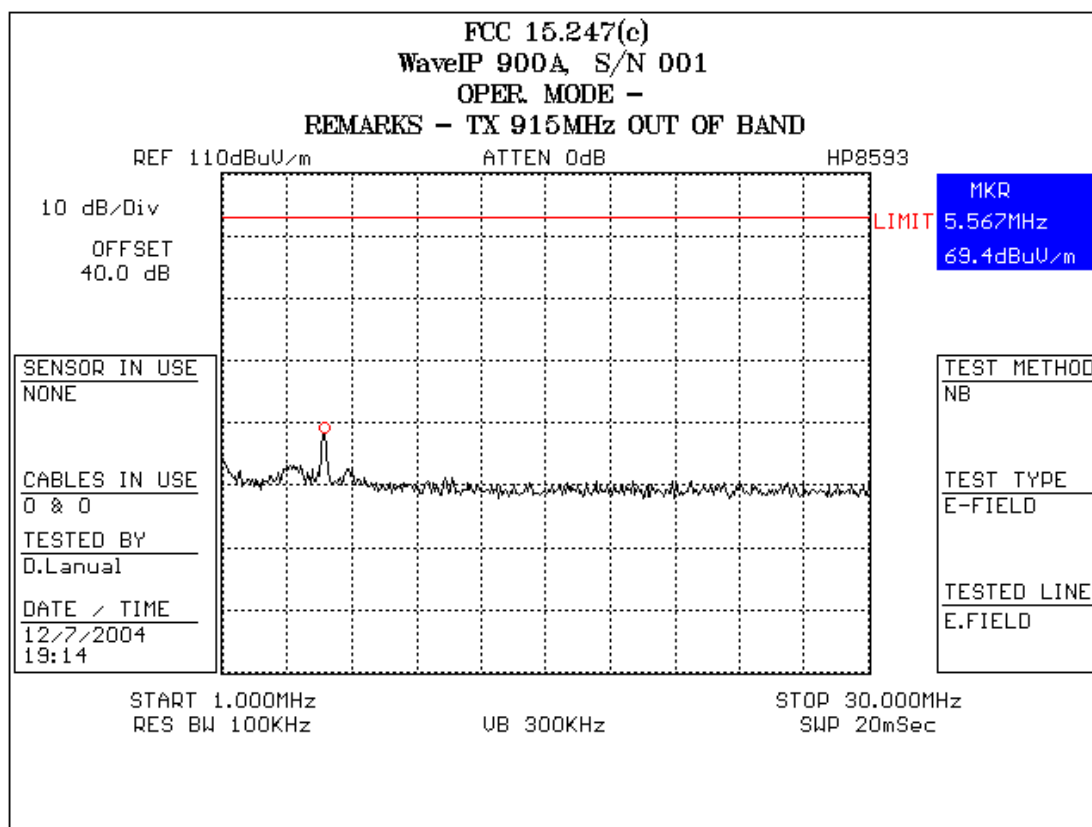


30Plot /

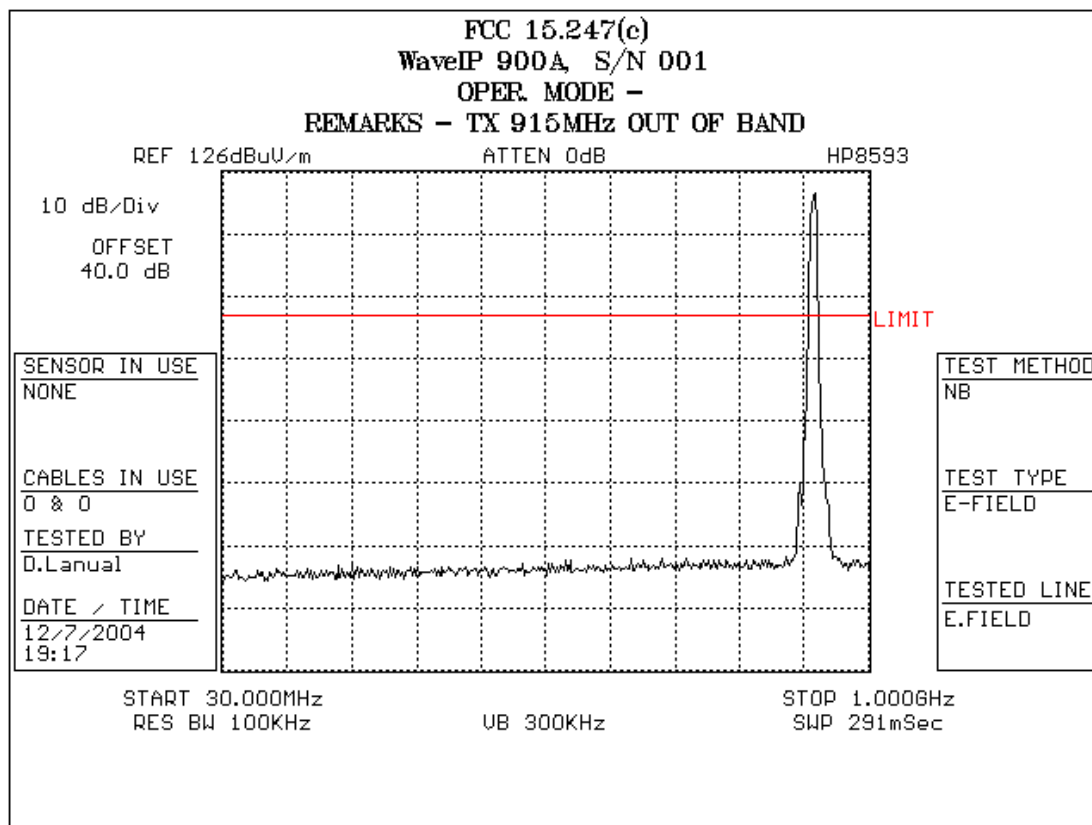




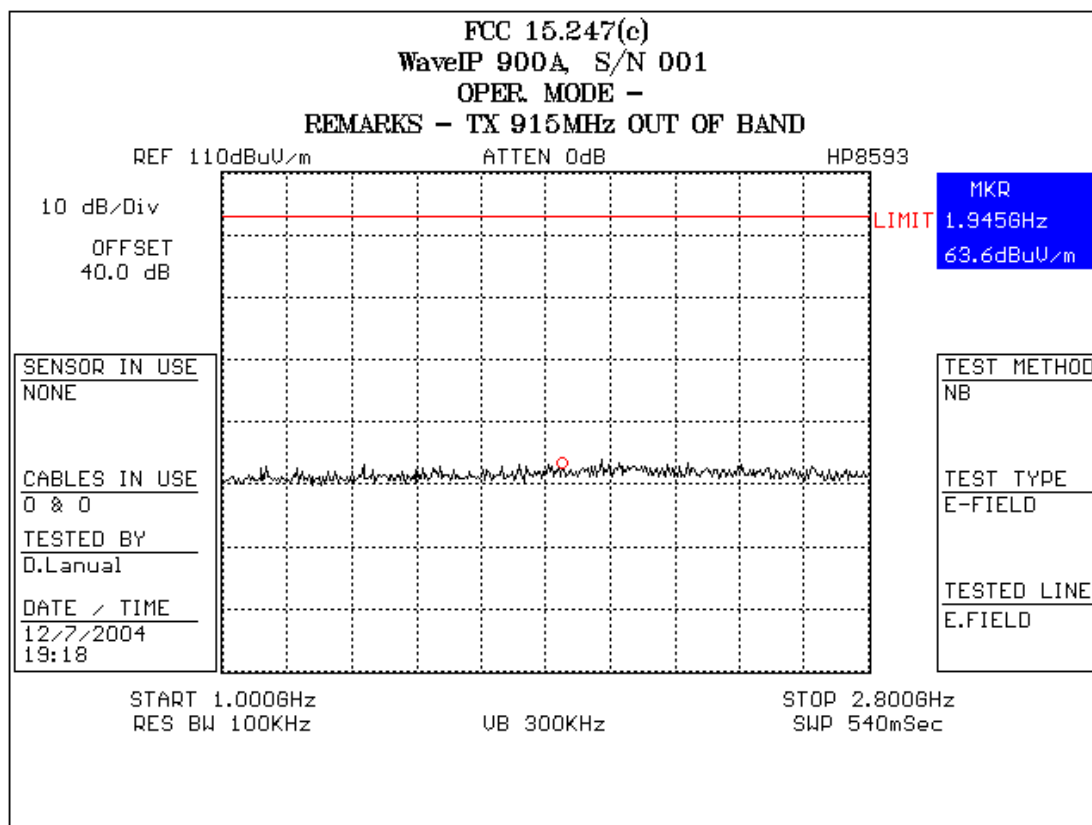
32Plot /



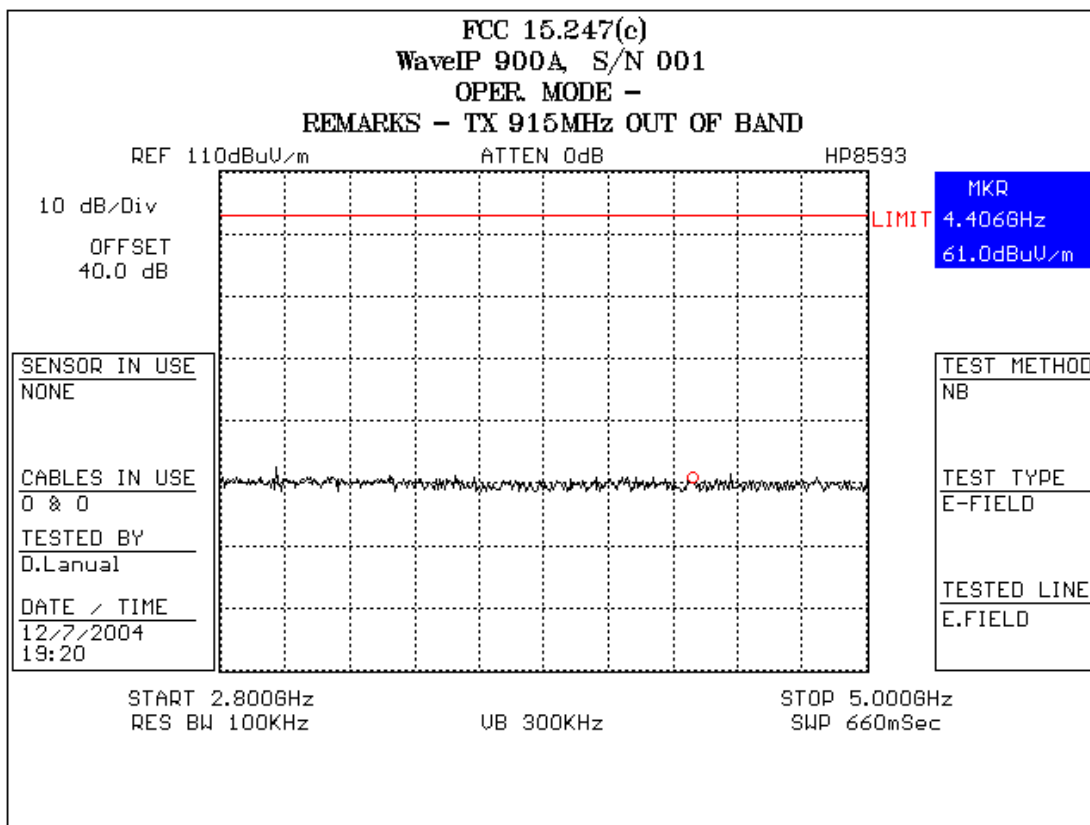
33Plot /



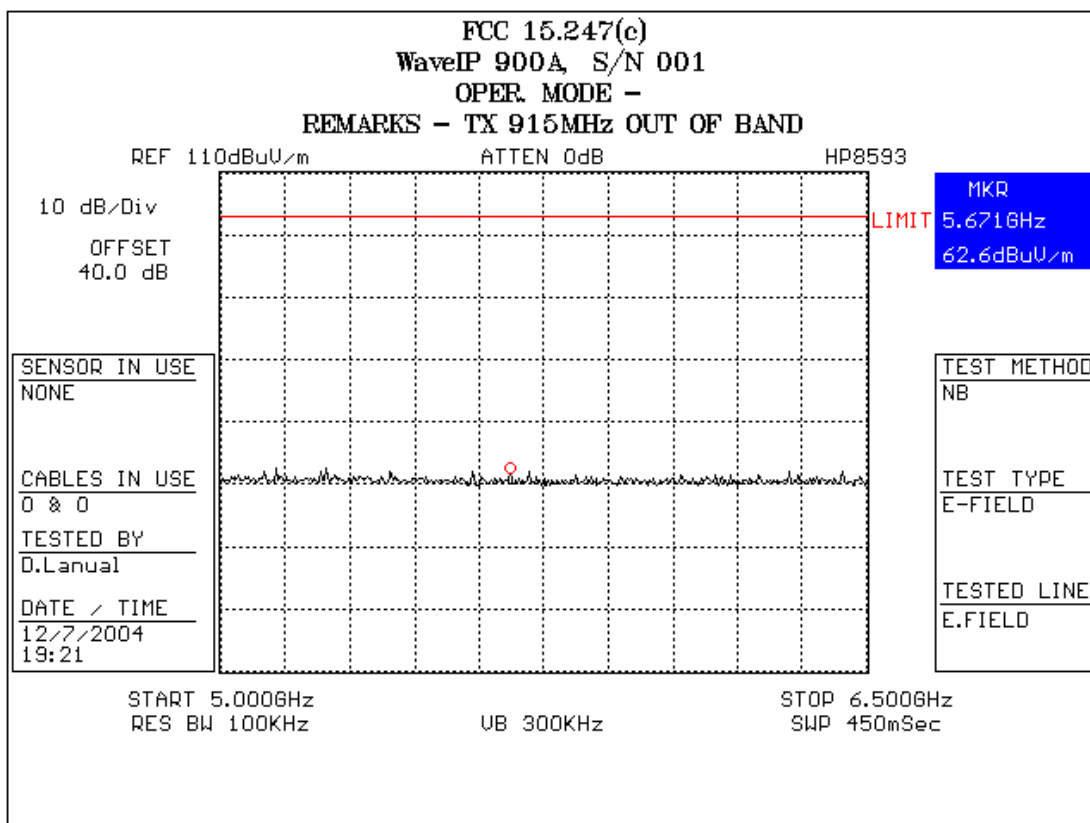
34Plot /



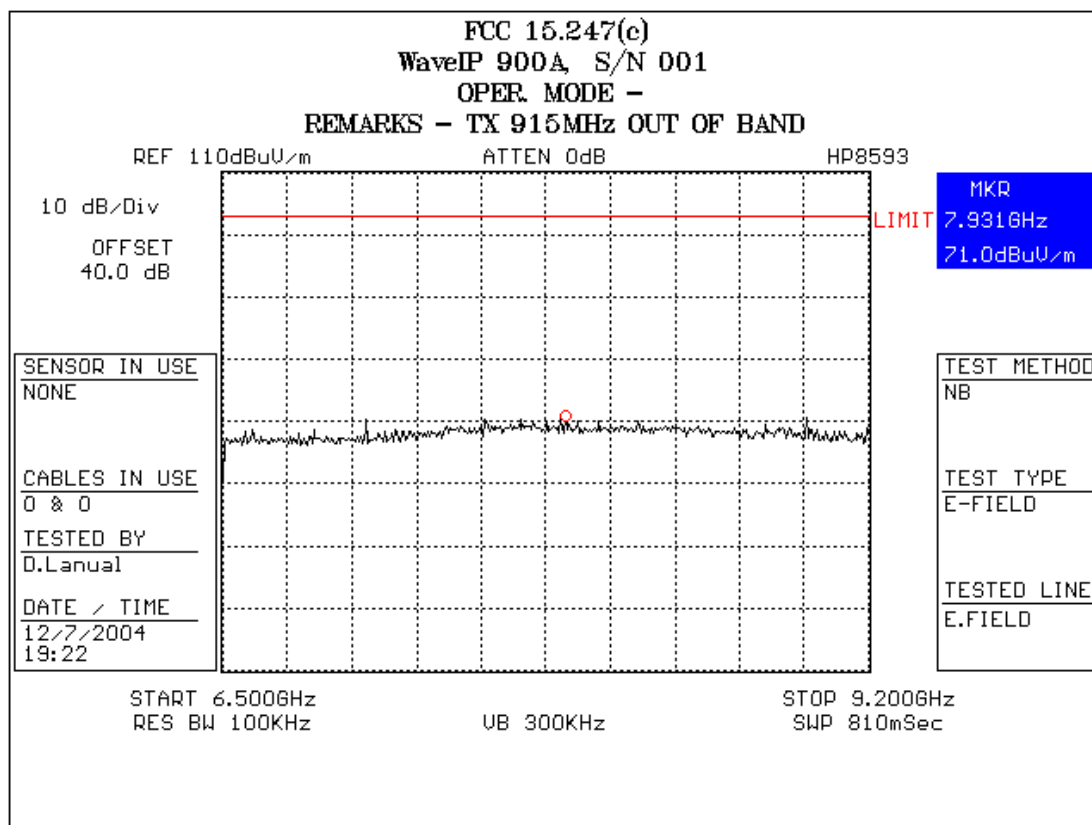
35Plot /



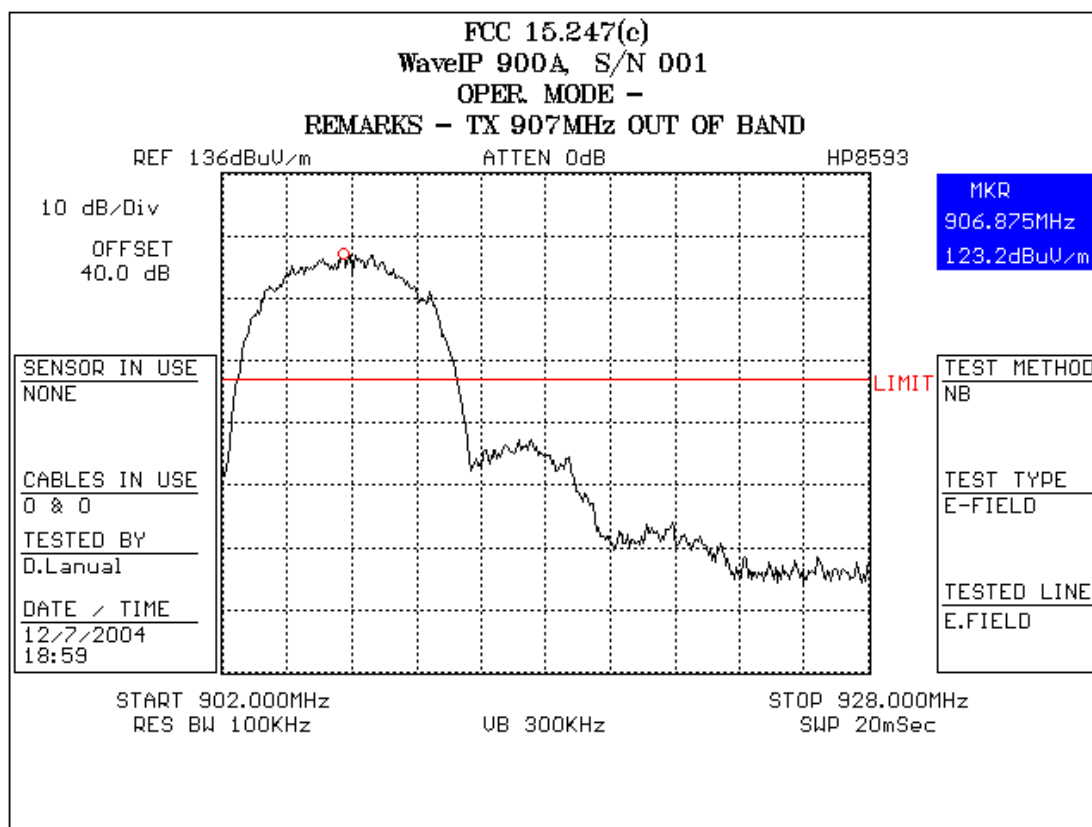
36Plot /



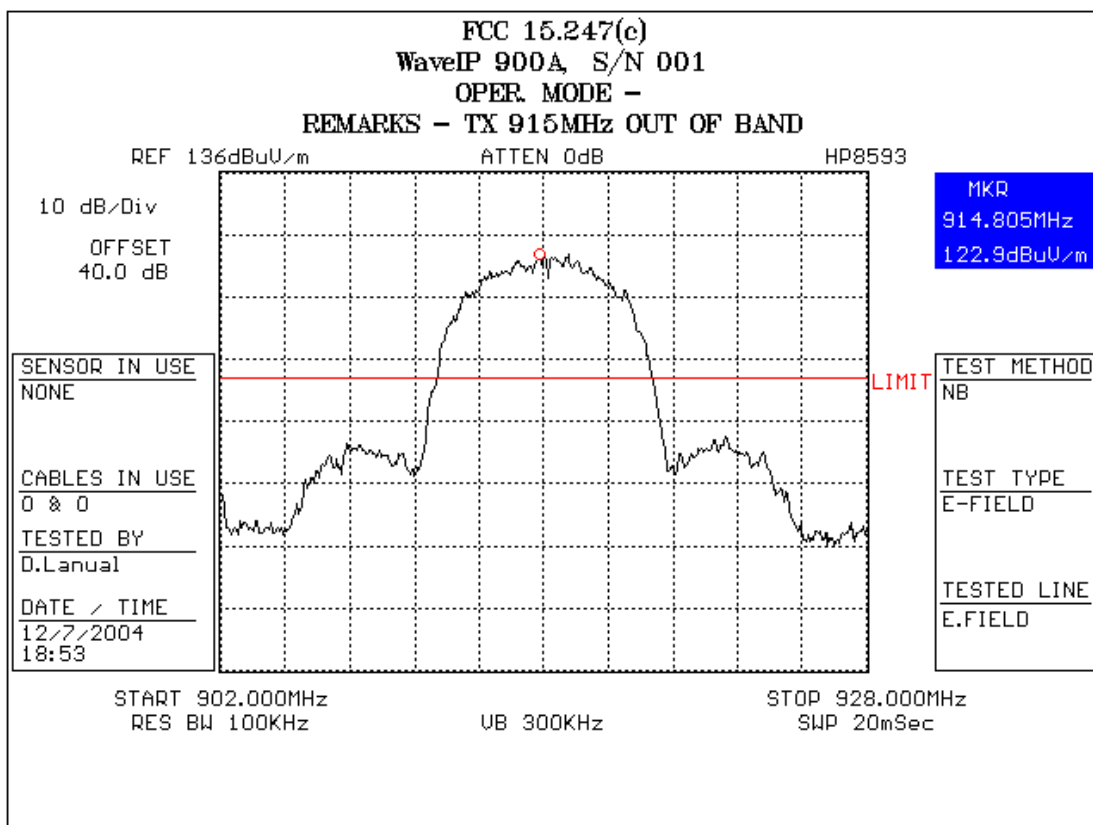
37Plot /



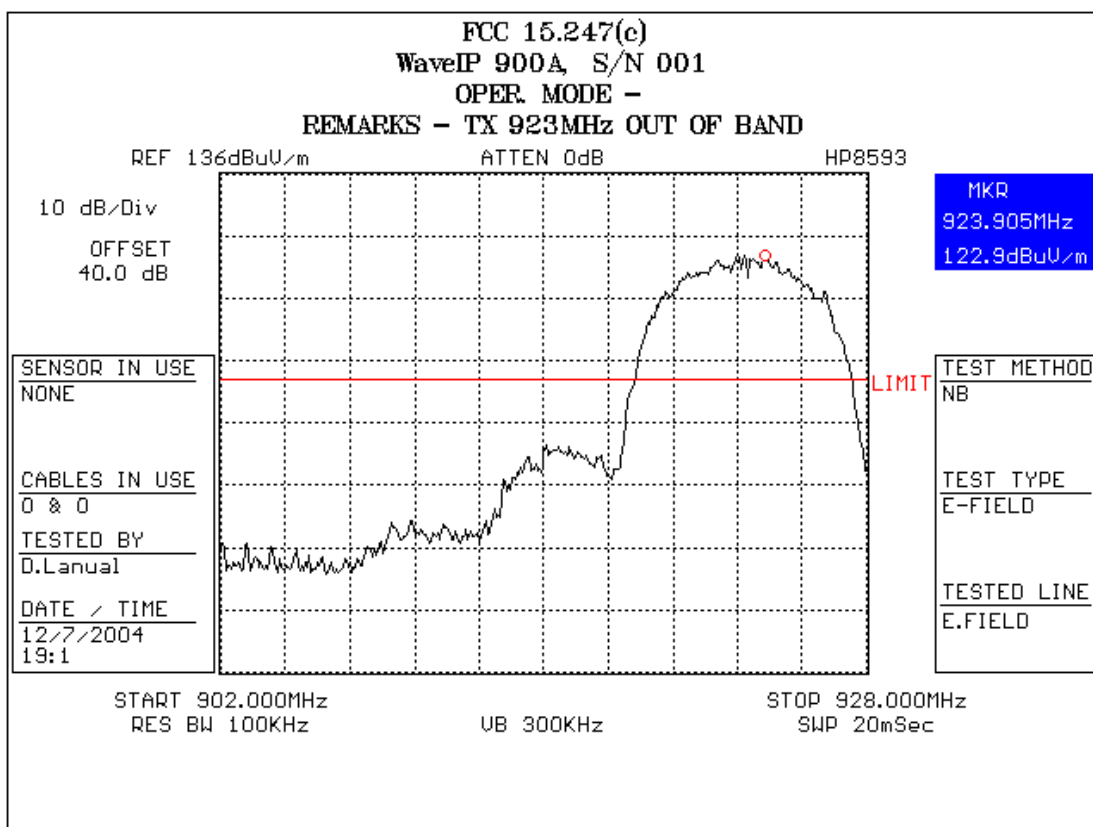
38Plot /



39Plot /



40Plot /

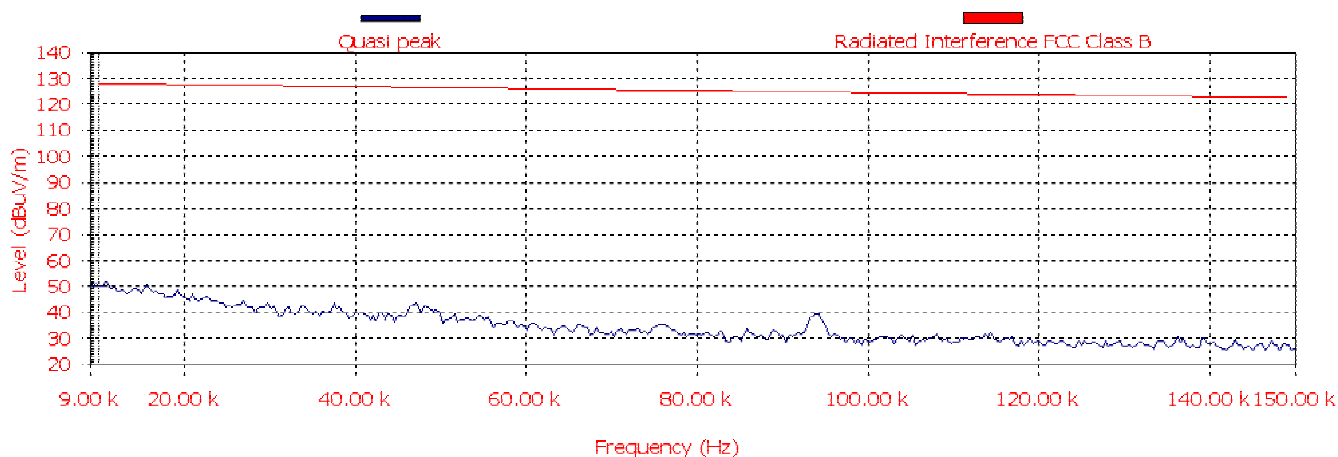


41Plot /

d. **Radiated spurious Emission in restricted band Plots 42-117**

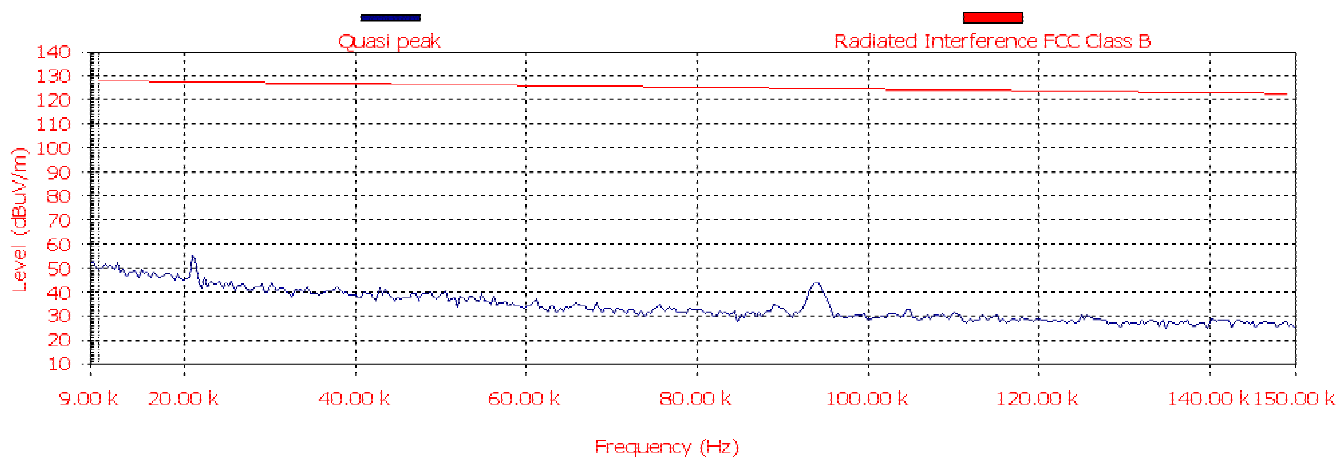
(1) Transmit Frequency 912MHz for GA_900_RSU mode

Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



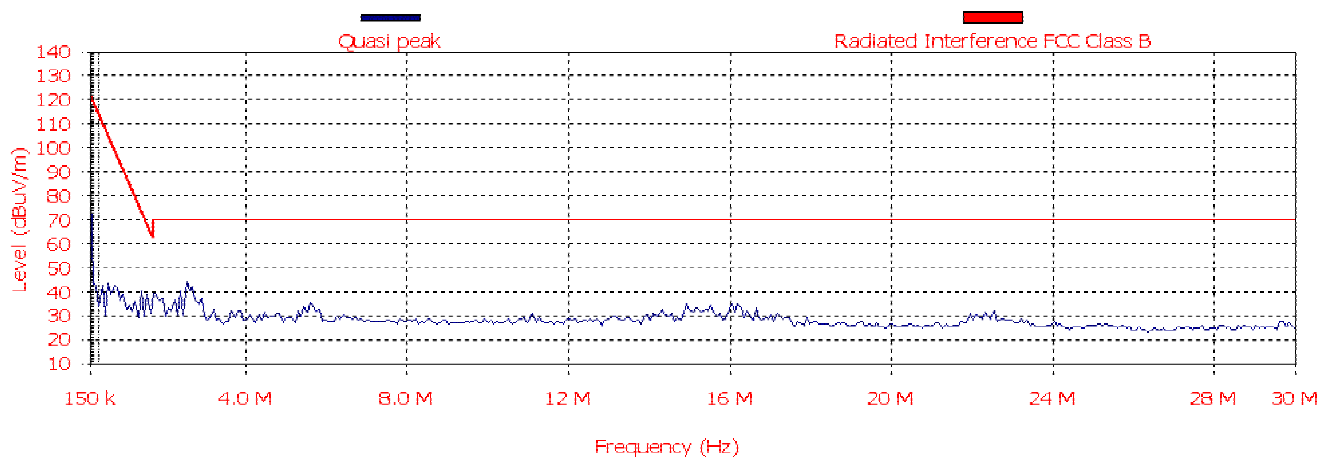
42Plot /

Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



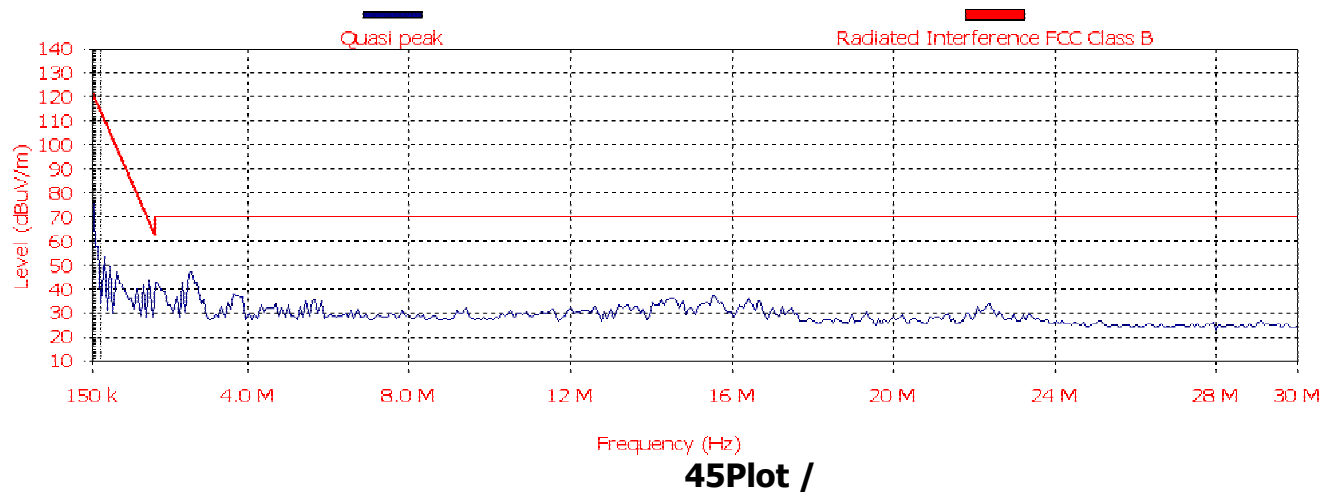
43Plot /

Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Horizontal



44Plot /

Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU.EUT

Order Number:

EUT

Name: GigAccess 900-RSU

Serial Number: 0050C21CC435

Client

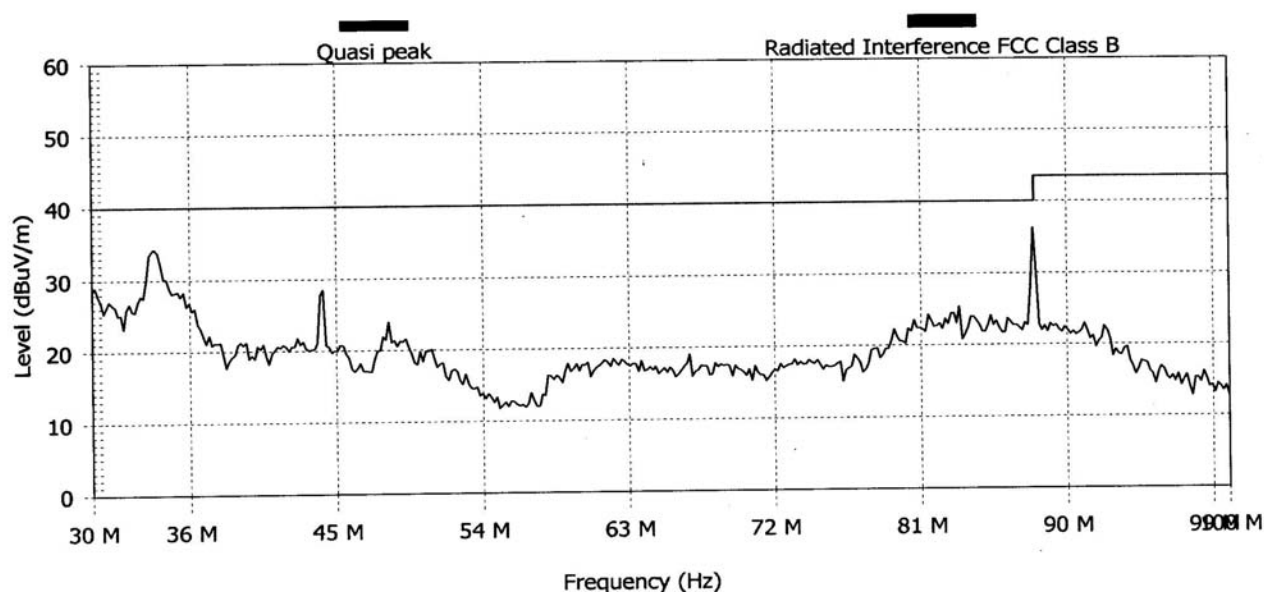
Name: WaveIP

Contact Person:

Radiated Emission

Description: 61) FCC 15.205 RESTRICTED 30-100MHz 912 6dbi integral
From 30 MHz to 100 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	33.85	Disc. BB	34.2	27.2	40.0	-12.8	Pass	Pass	252	1.325	V
2	87.995	Cont. NB	35.3	34.5	40.0	-5.5	Pass	Pass	0	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

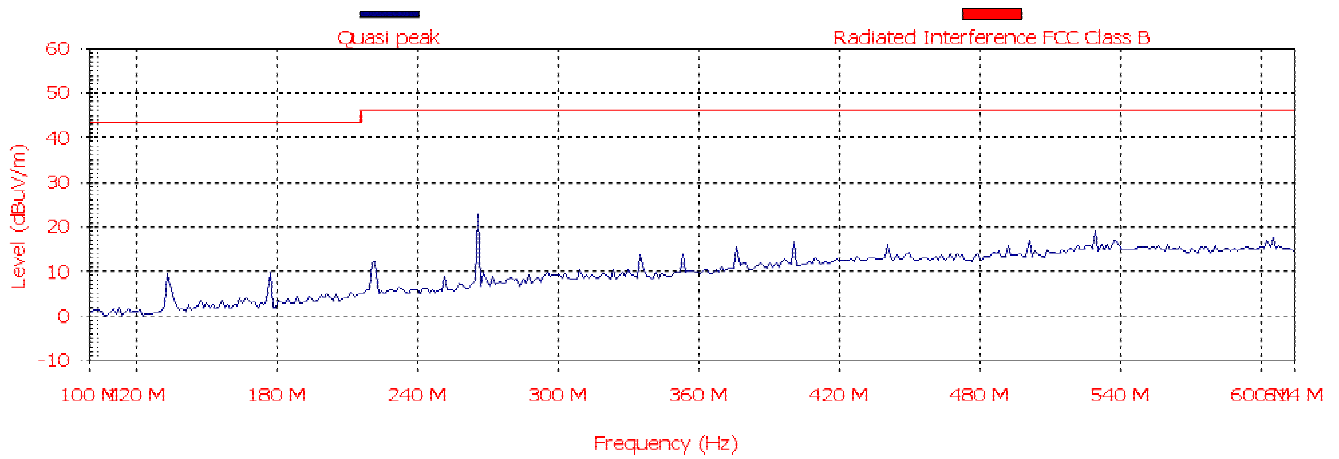
Detect all peaks above 6 dB below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

Note:

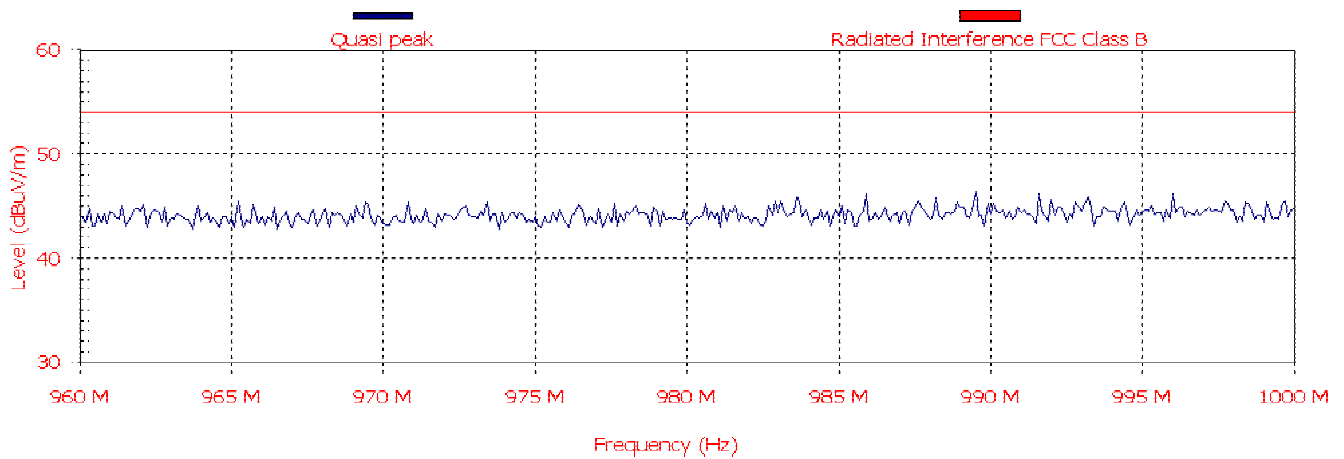
46Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



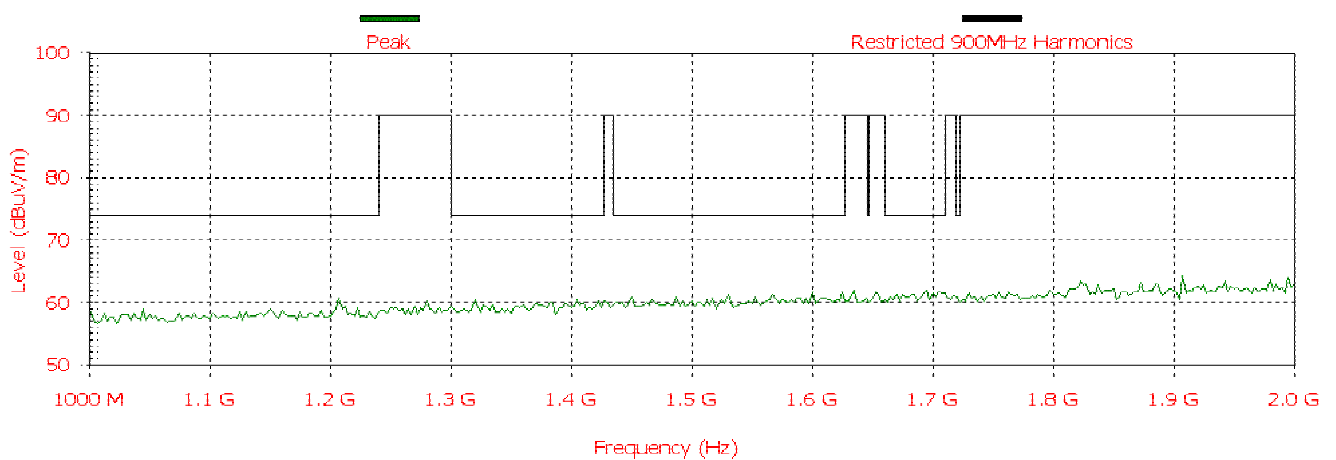
47Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



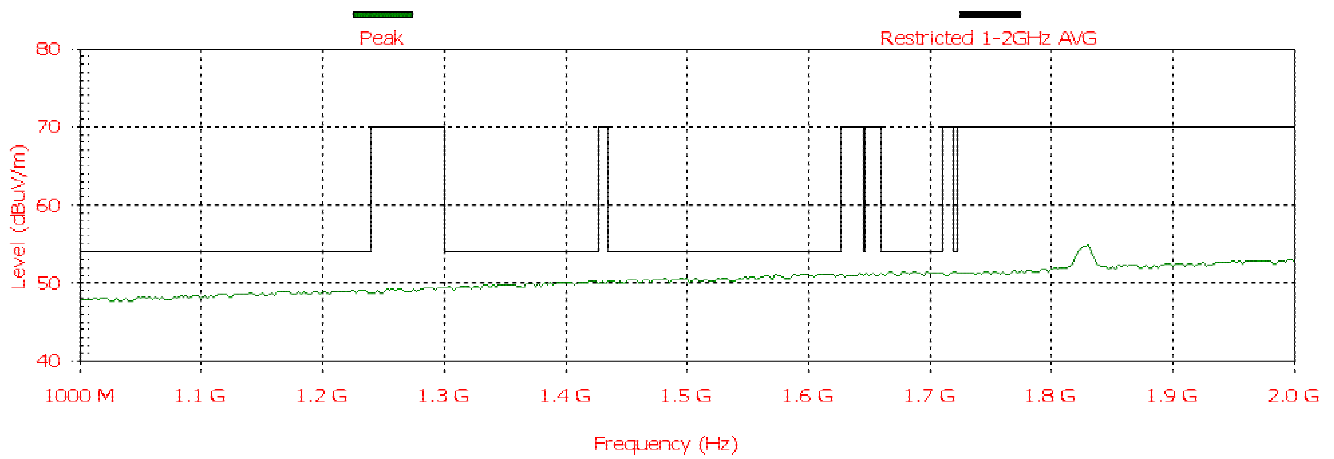
48Plot /

Analyzer setting: RBW-1M, VBW-3MHz, peak detector

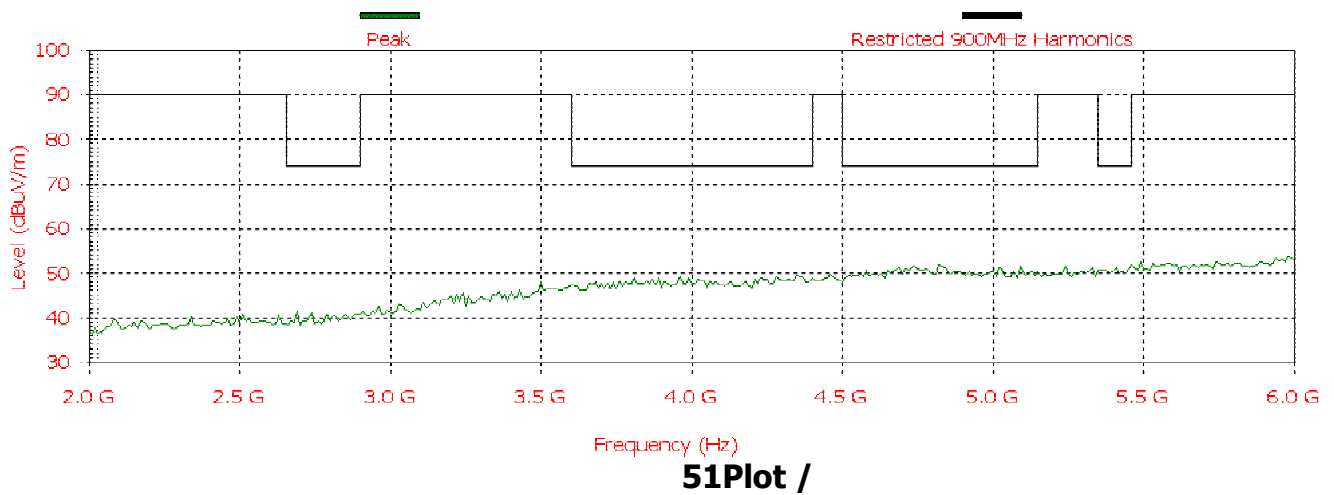


49Plot /

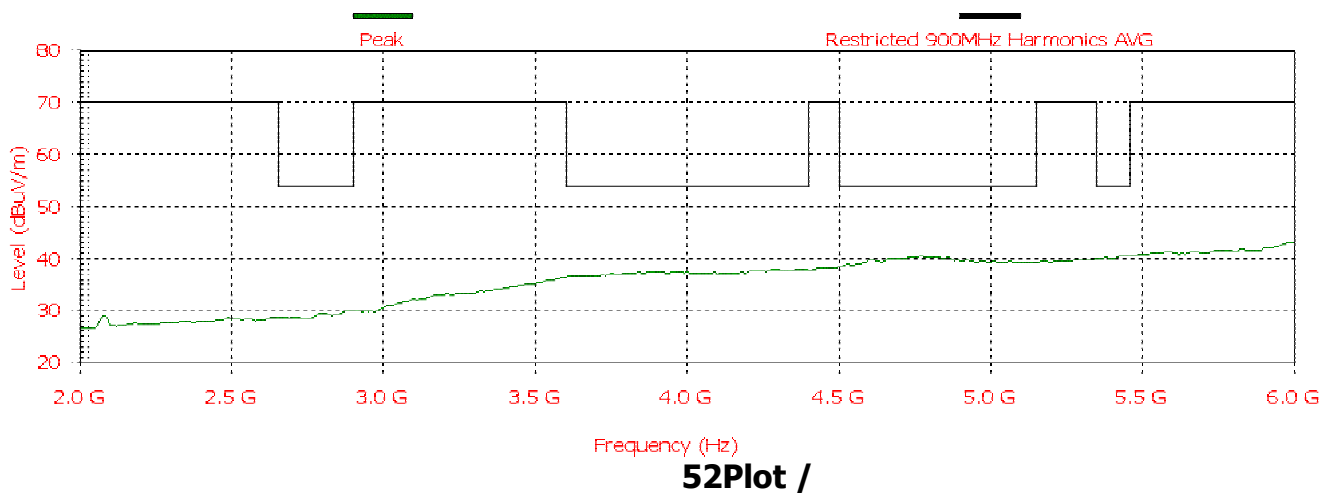
Analyzer setting: RBW-10KHz, VBW-3MHz, average



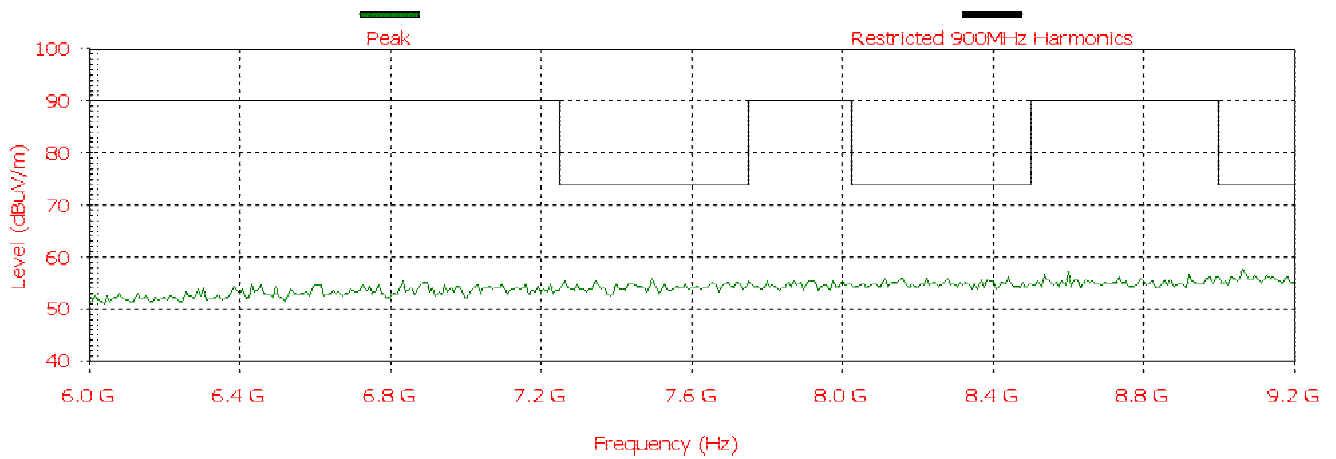
Analyzer setting: RBW-1M, VBW-3MHz, peak detector



Analyzer setting: RBW-10KHz, VBW-3MHz, average

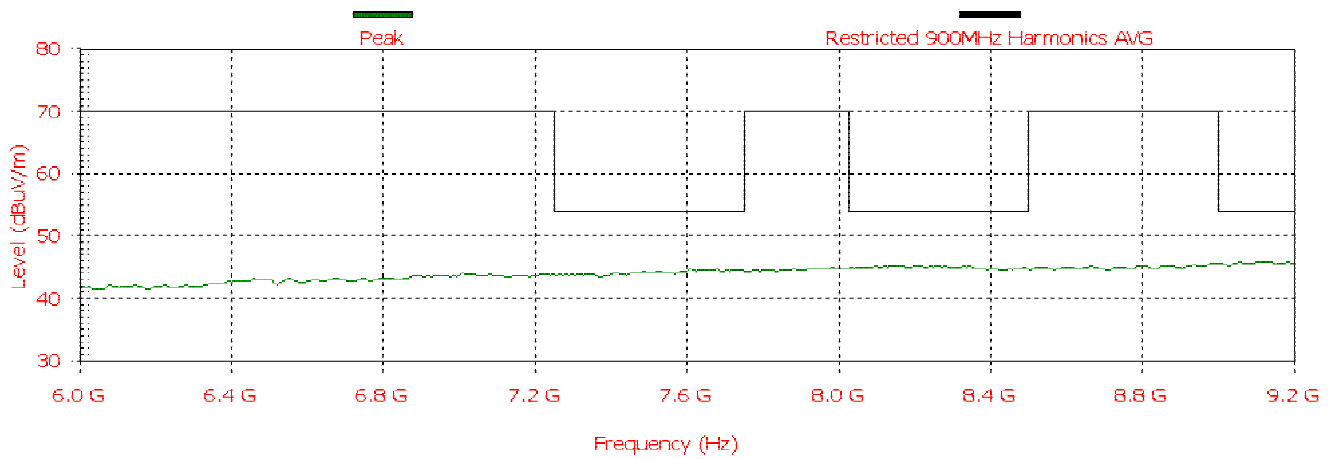


Analyzer setting: RBW-1M, VBW-3MHz, peak detector



53Plot /

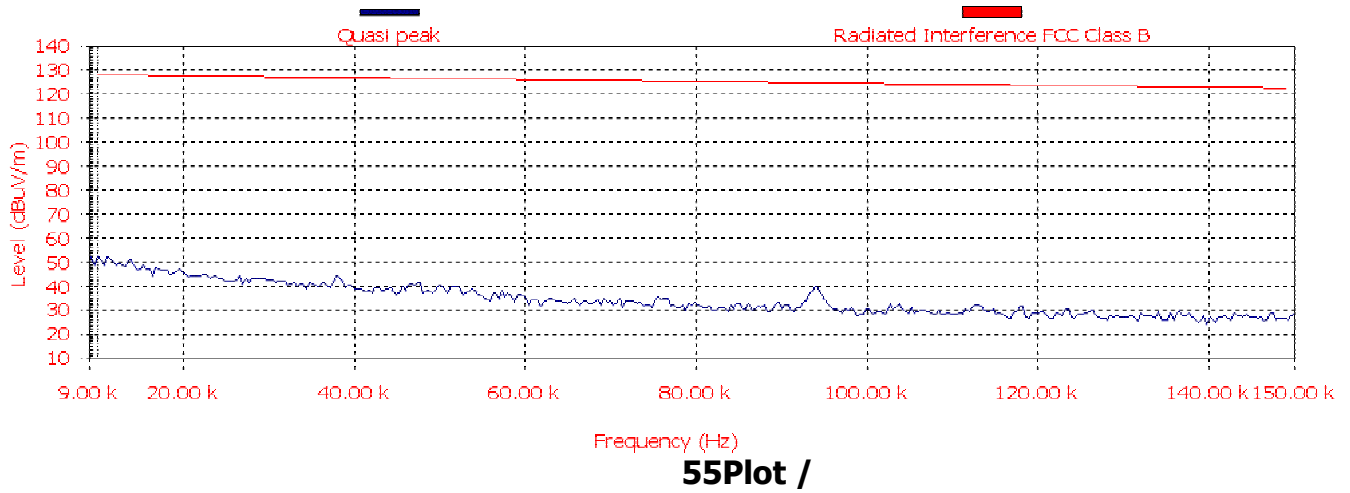
Analyzer setting: RBW-10KHz, VBW-3MHz, average



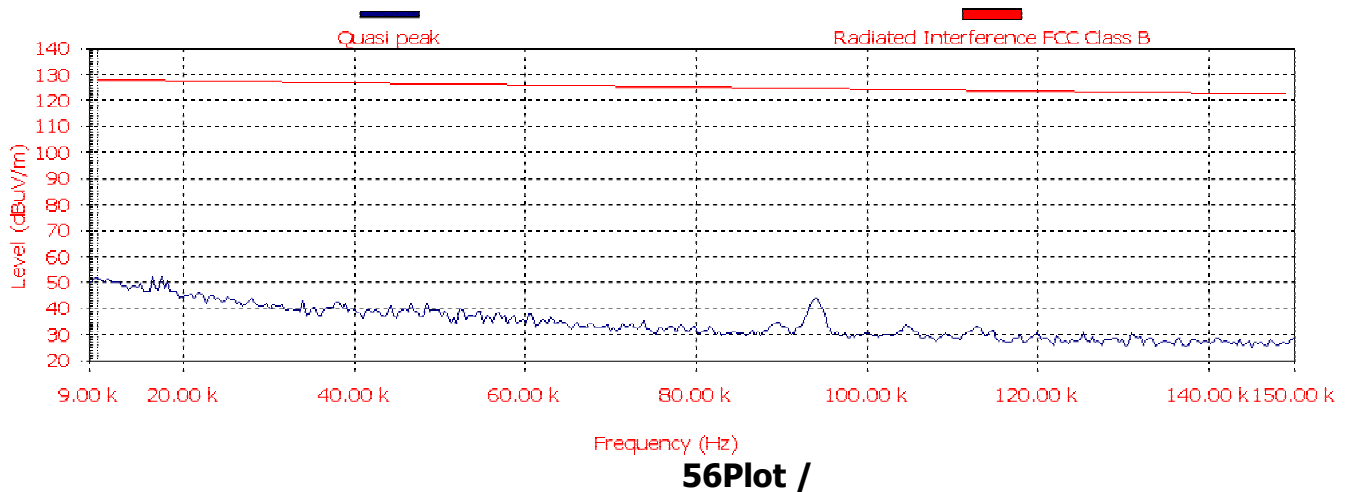
54Plot /

(2) Transmit Frequency **915MHz for GA_900_RSU mode**

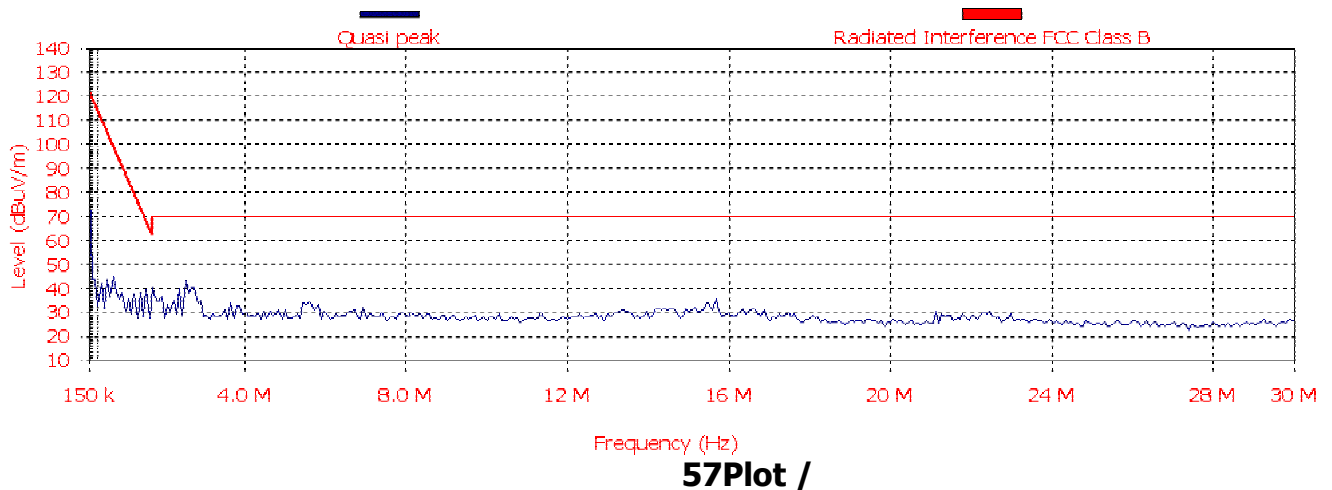
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



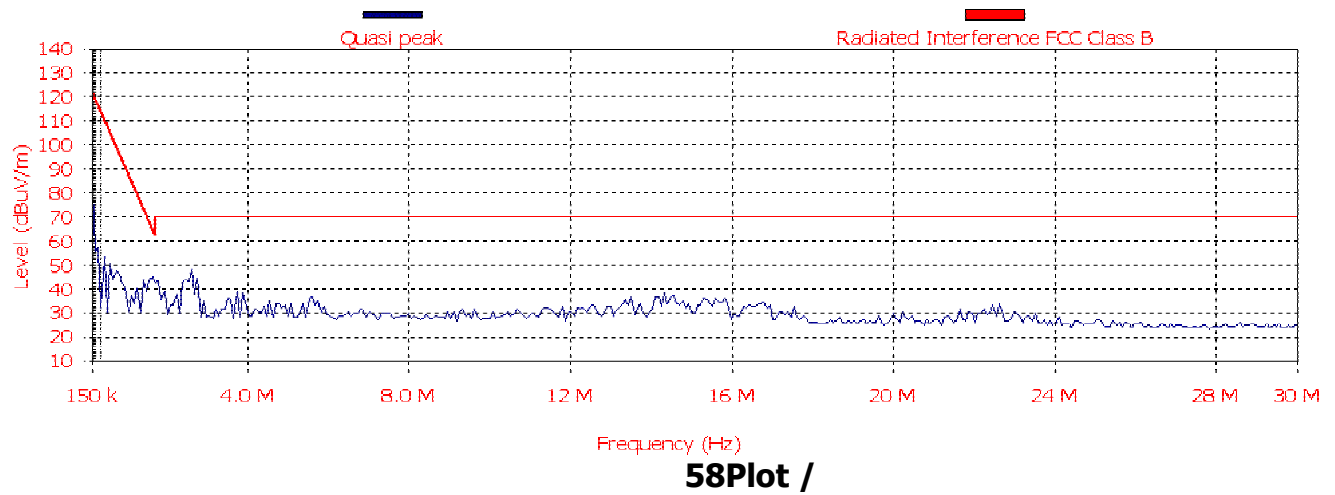
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Horizontal



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU.EUT

Order Number:

EUT

Name: GigAccess 900-RSU

Serial Number: 0050C21CC435

Client

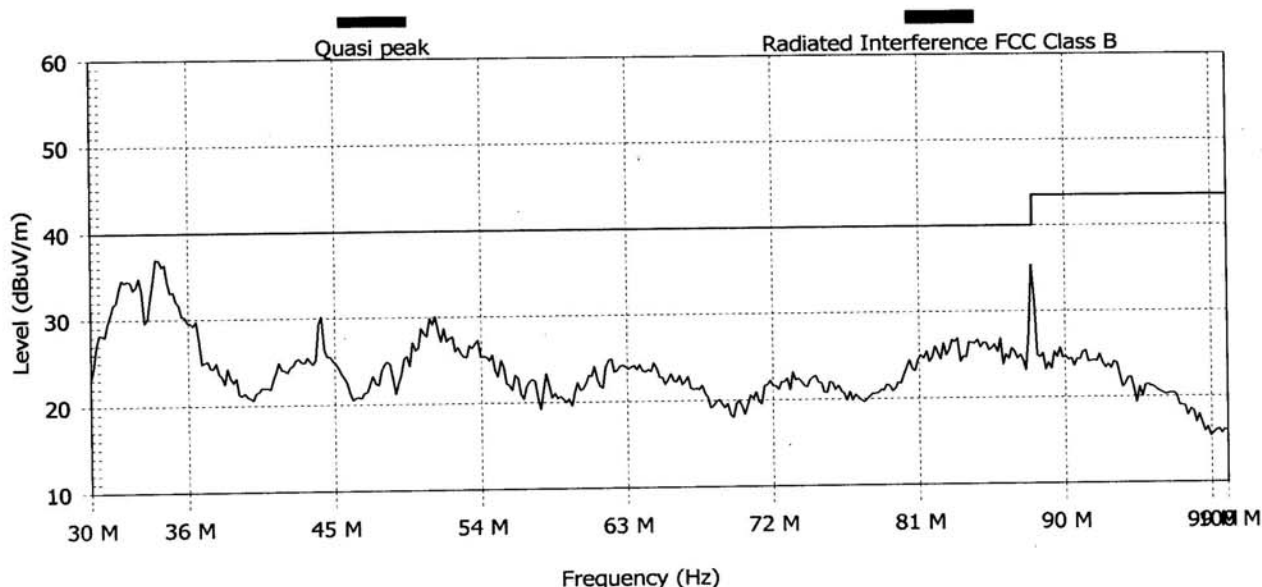
Name: WaveIP

Contact Person:

Radiated Emission

Description: 60) FCC 15.205 RESTRICTED 30-100MHz 915 6dbi integral
From 30 MHz to 100 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	33.94	Disc.	36.1	30.9	40.0	-9.1	Pass	Pass	288	1.65	V
2	33.571	Disc.	34.7	31.8	40.0	-8.2	Pass	Pass	288	1.65	V
3	33.773	Disc.	36.6	35.2	40.0	-4.8	Pass	Pass	247	1.375	V
4	33.849	Disc. NB	37.6	36.3	40.0	-3.7	Pass	Pass	247	1	V
5	33.999	Disc. NB	36.9	36.5	40.0	-3.5	Pass	Pass	247	1.275	V
6	34.021	Disc. BB	36.1	33.5	40.0	-6.5	Pass	Pass	288	1.65	V
7	87.999	Cont. BB	37.4	36.1	40.0	-3.9	Pass	Pass	355	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

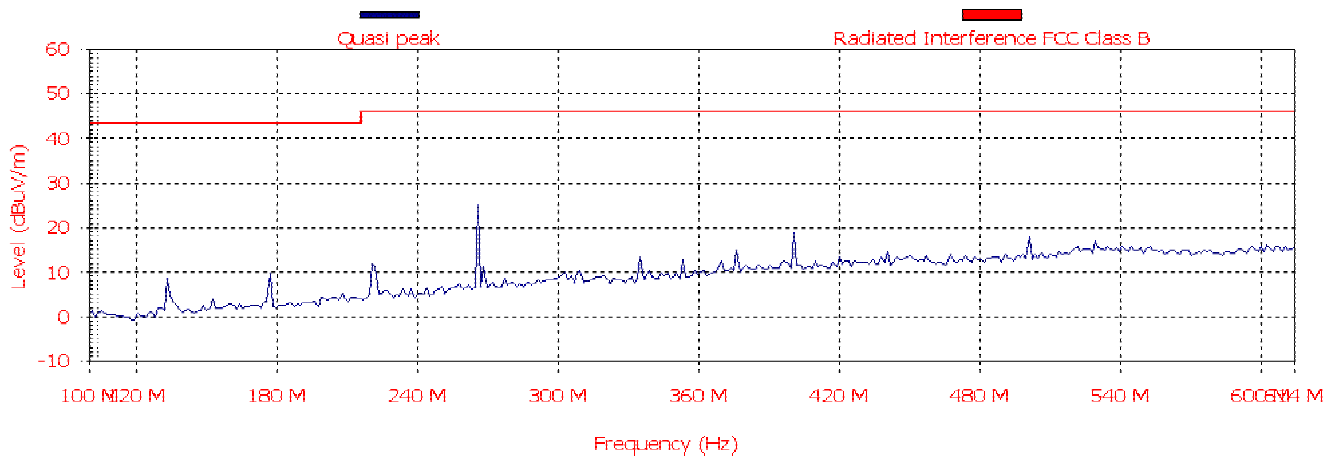
Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

Note:

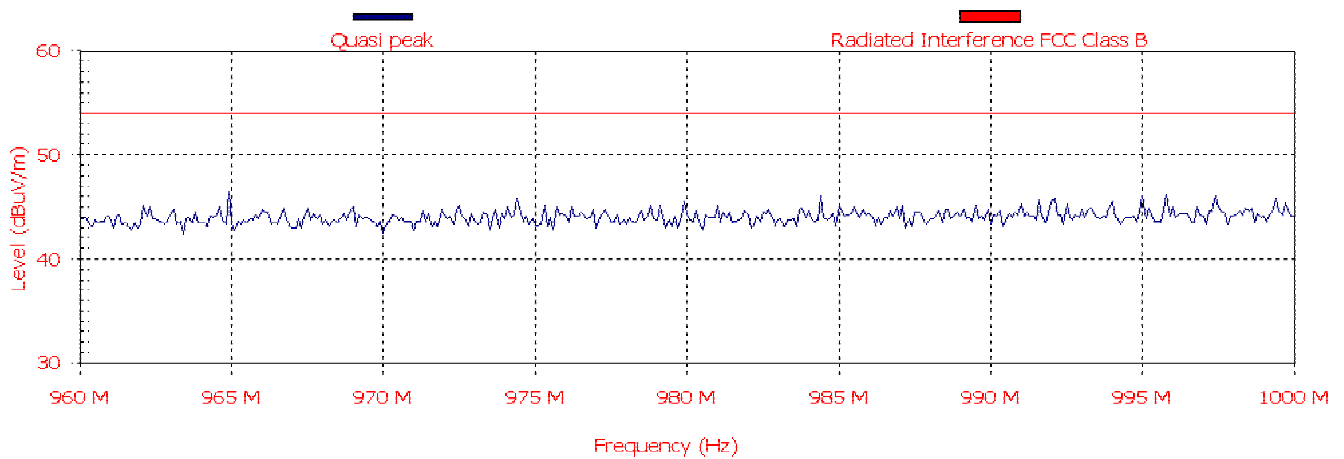
59Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



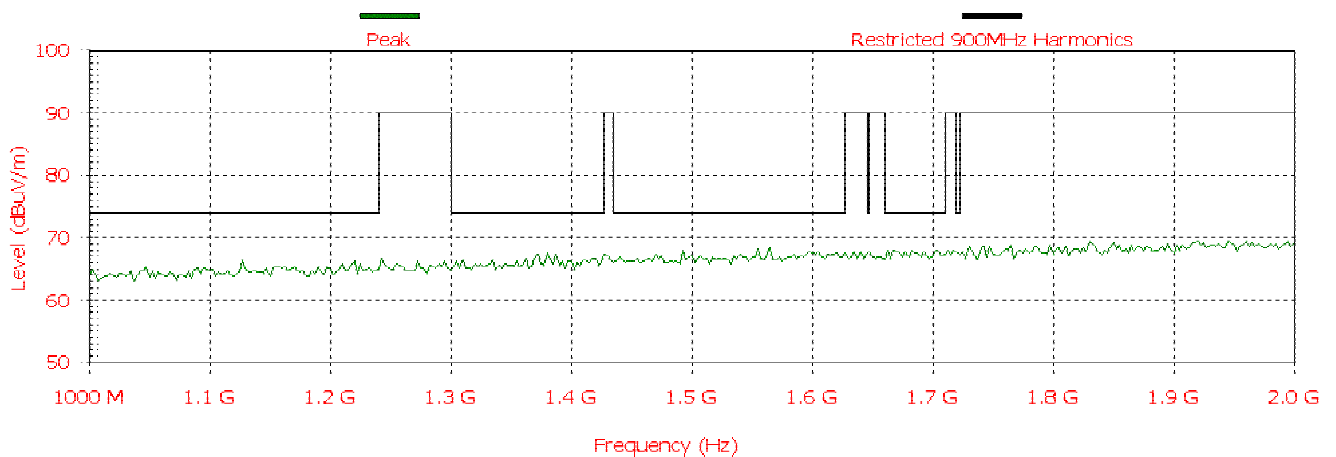
60Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



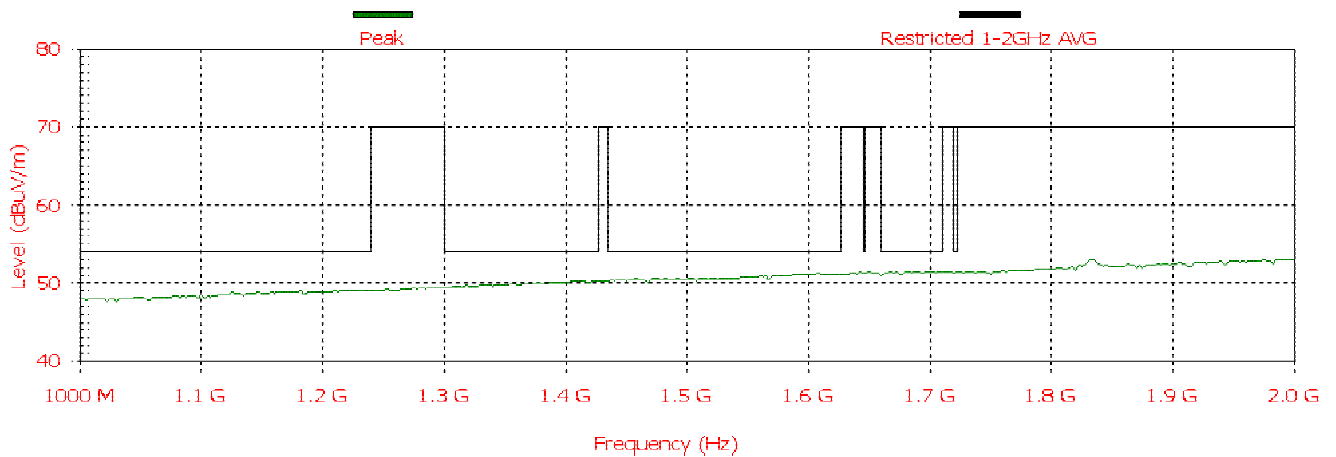
61Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector

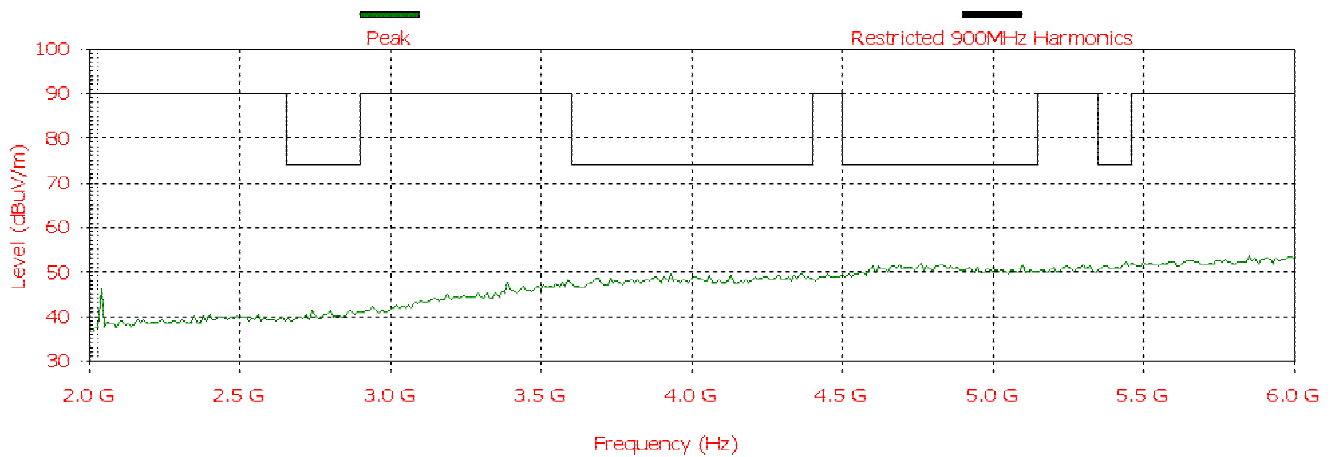


62Plot /

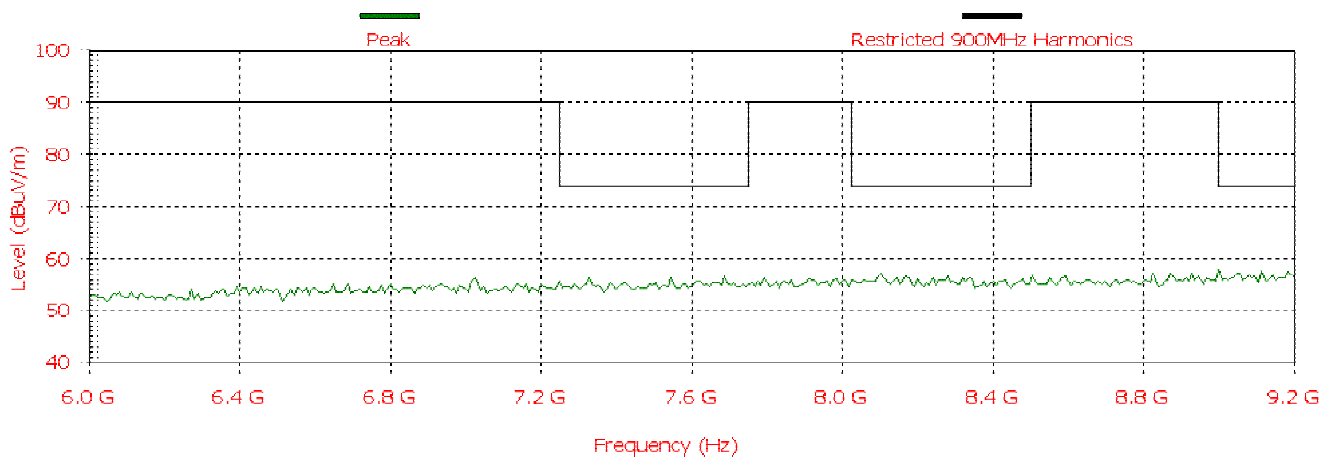
Analyzer setting: RBW-10KHz, VBW-3MHz, average



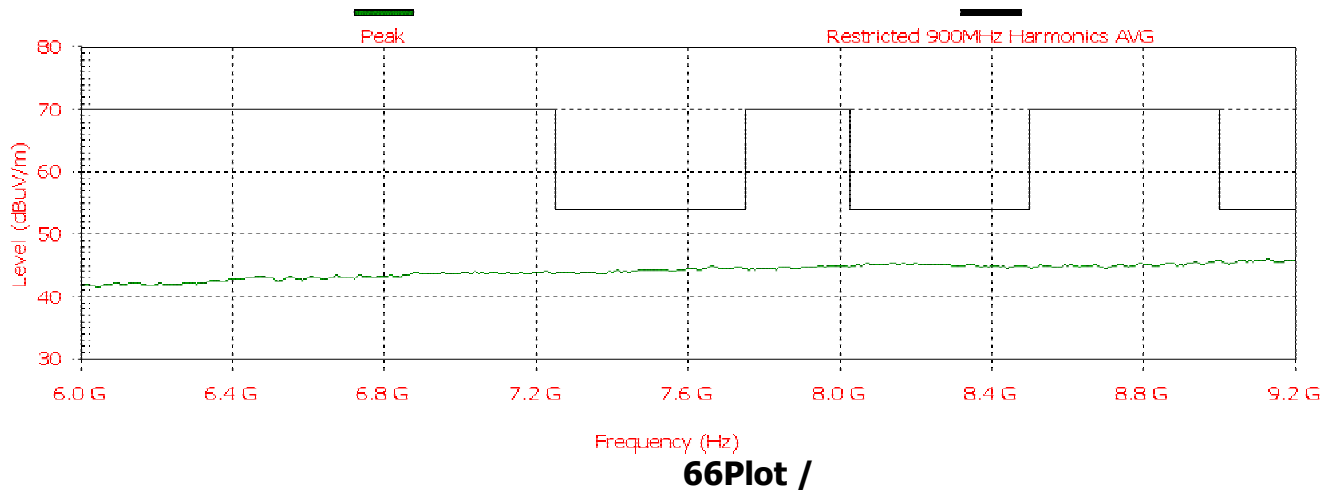
Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



Analyzer setting: RBW-1M, VBW-3MHz, Peak detector

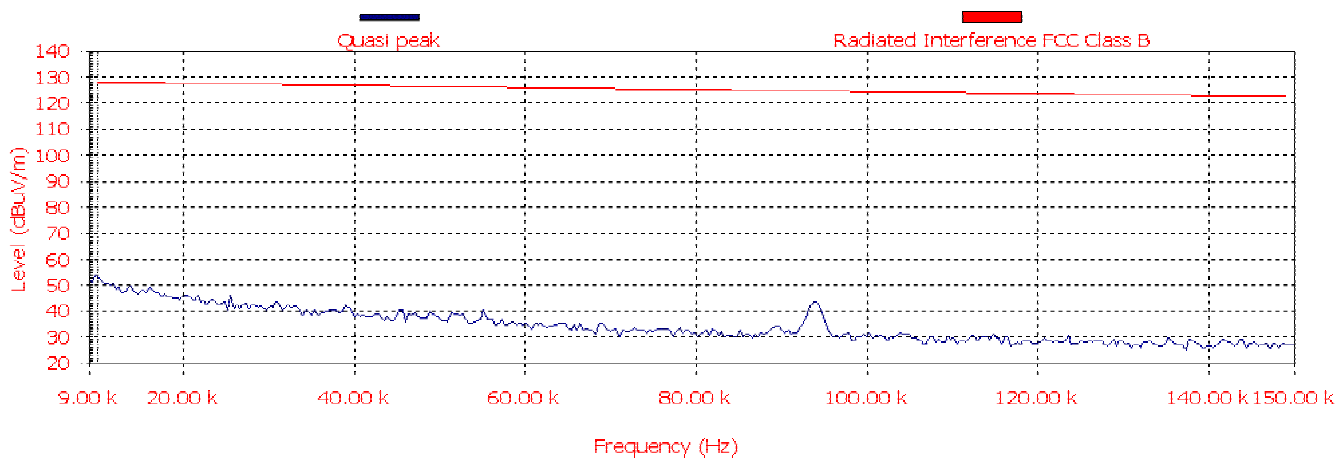


Analyzer setting: RBW-10KHz, VBW-3MHz, average

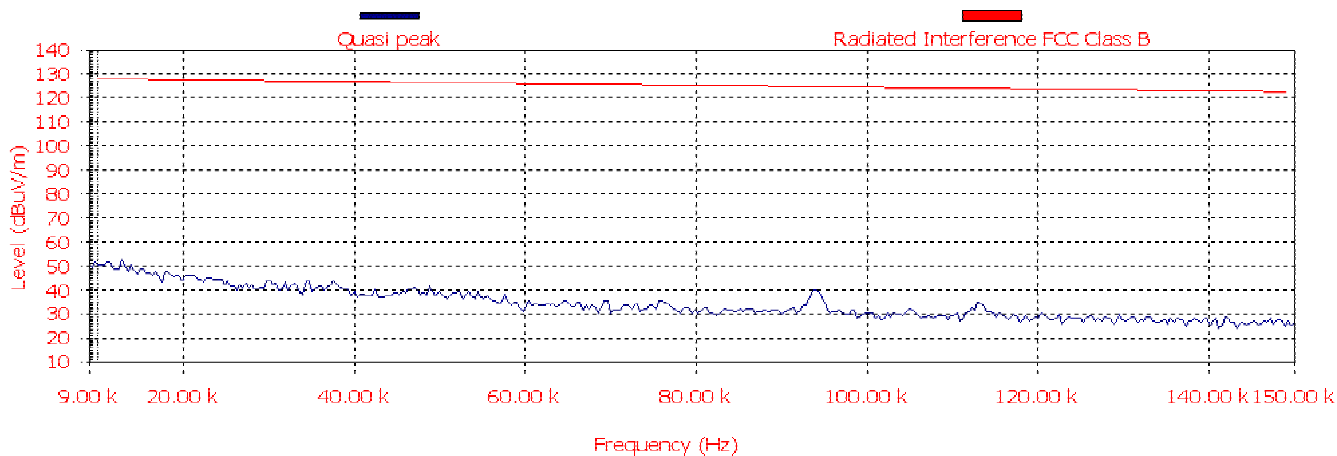


(3) Transmit Frequency **918MHz for GA_900_RSU mode**

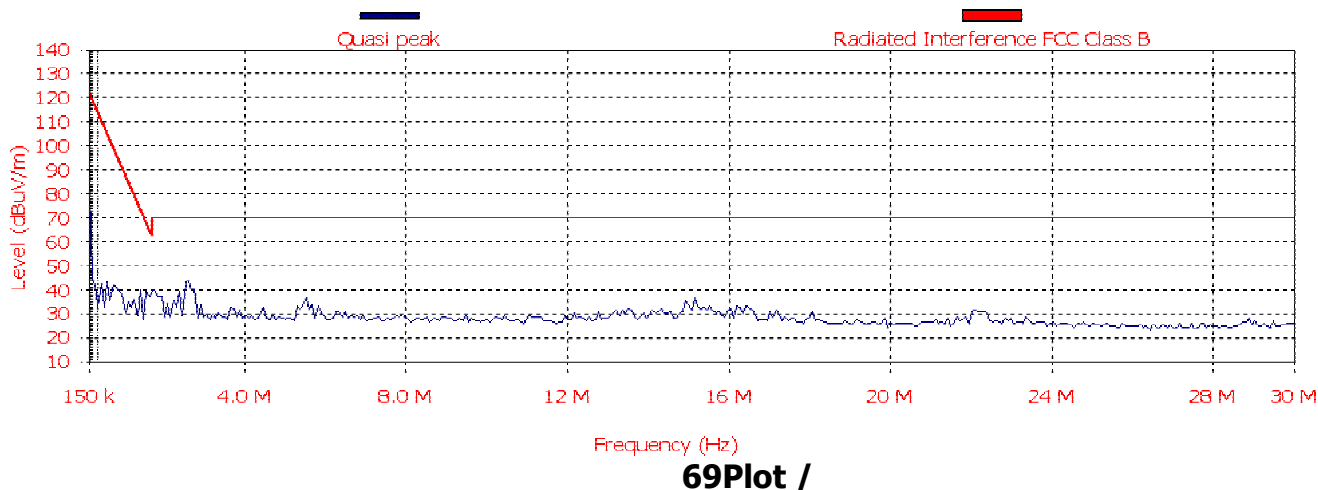
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



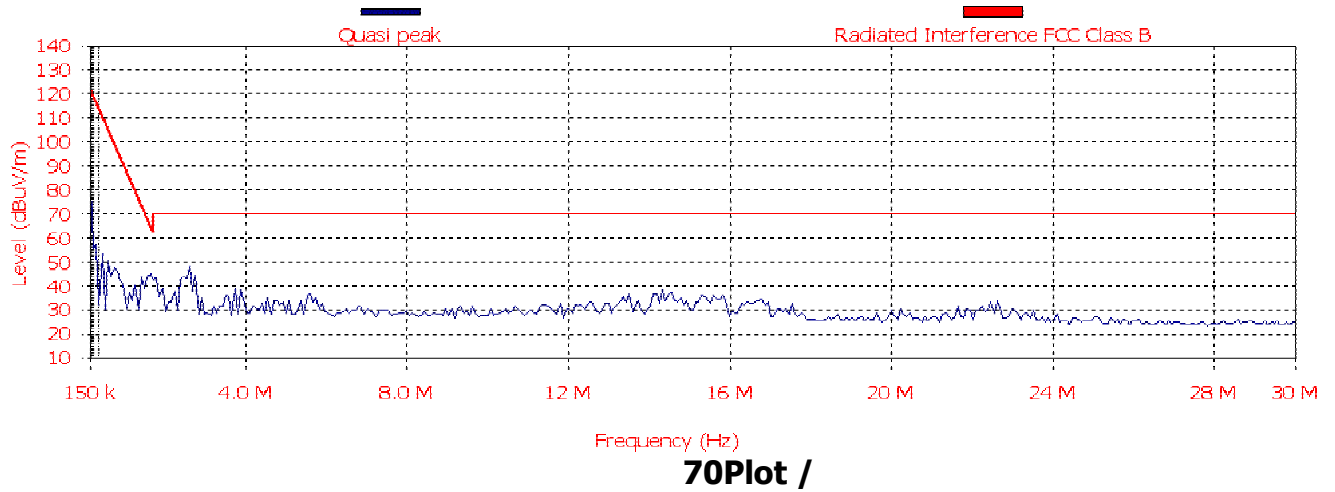
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Horizontal



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



Analyzer setting: RBW-120K, VBW-1MHz, QP detector

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU.EUT

Order Number:

EUT

Name: GigAccess 900-RSU

Serial Number: 0050C21CC435

Client

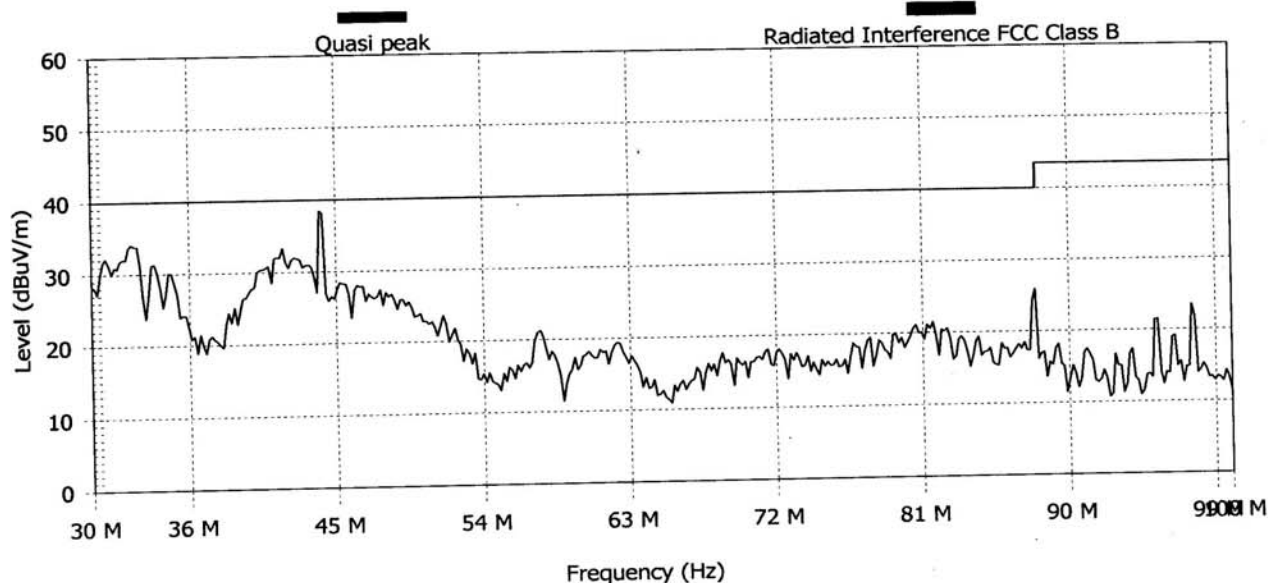
Name: WaveIP

Contact Person:

Radiated Emission

Description: 37) FCC 15.205 RESTRICTED 30-100MHz 918 6dbi integral
From 30 MHz to 100 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	32.45	Disc. BB	34.4	33.0	40.0	-7.0	Pass	Pass	0	1	V
2	43.981	Cont. NB	39.8	35.4	40.0	-4.6	Pass	Pass	0	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 6 dB below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

Note:

11 JULY 2004, GA900 RSU

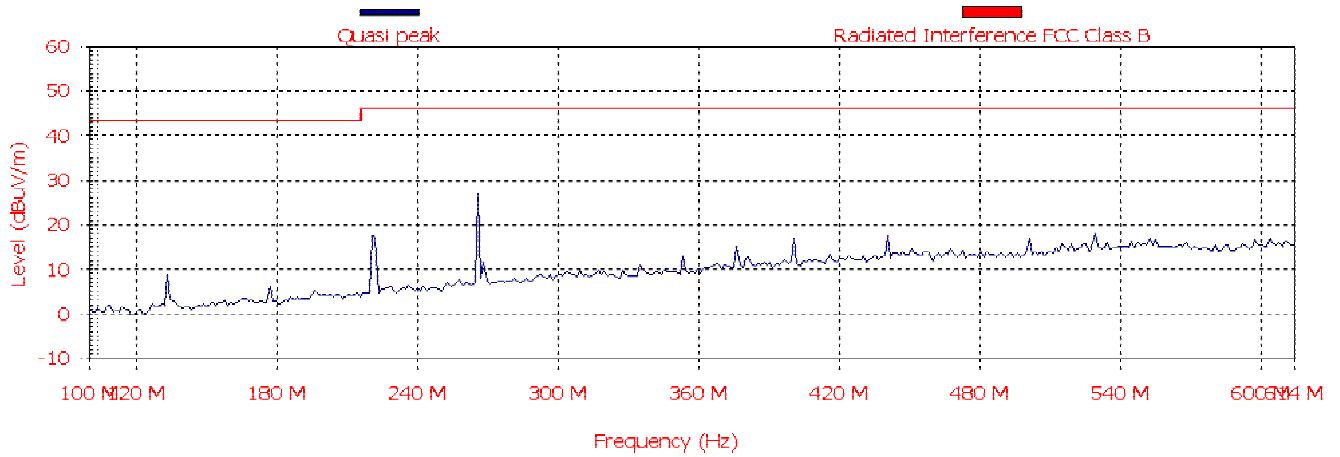
FEIRTE GIVE THE BEST REDUCTION ON 44mHZ

FERITE ON ETH LINE NO EFFECT

ADDED COPPER SHEETS TO COVER HOLE
BETWEEN ANT BASE AND PLASITC COVER.

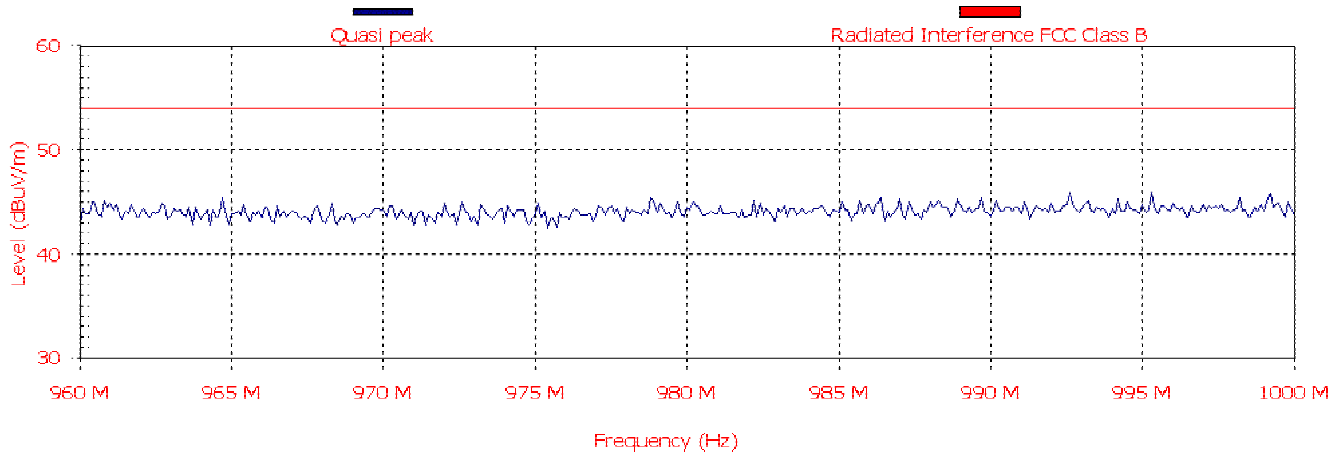
71Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



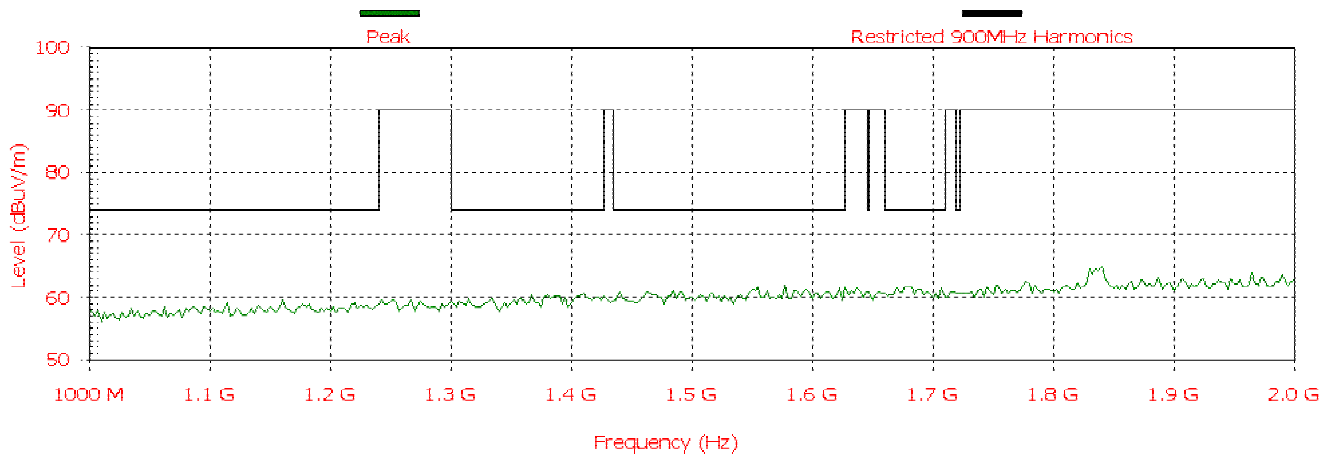
72Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



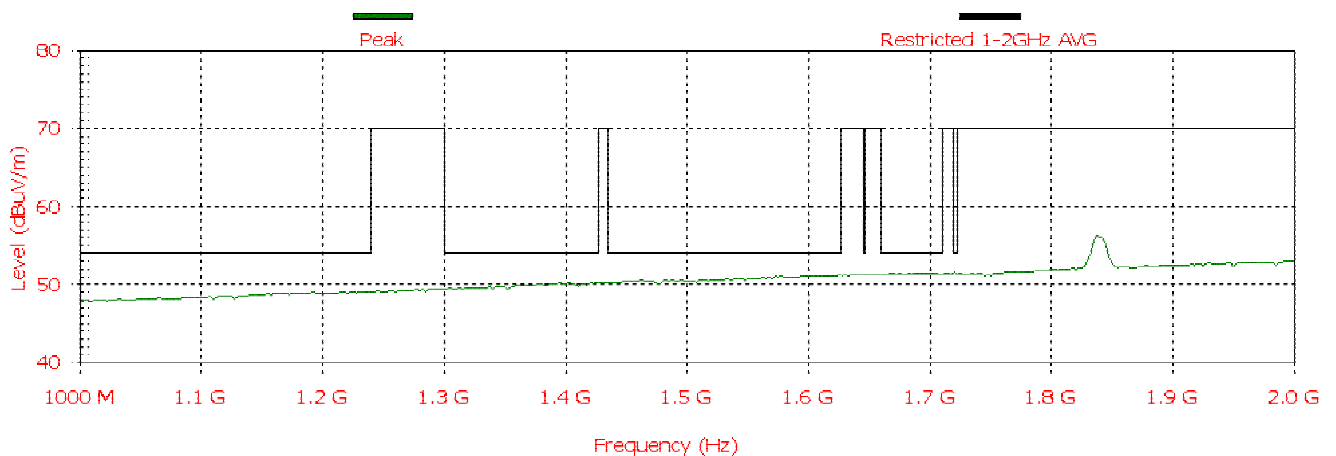
73Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



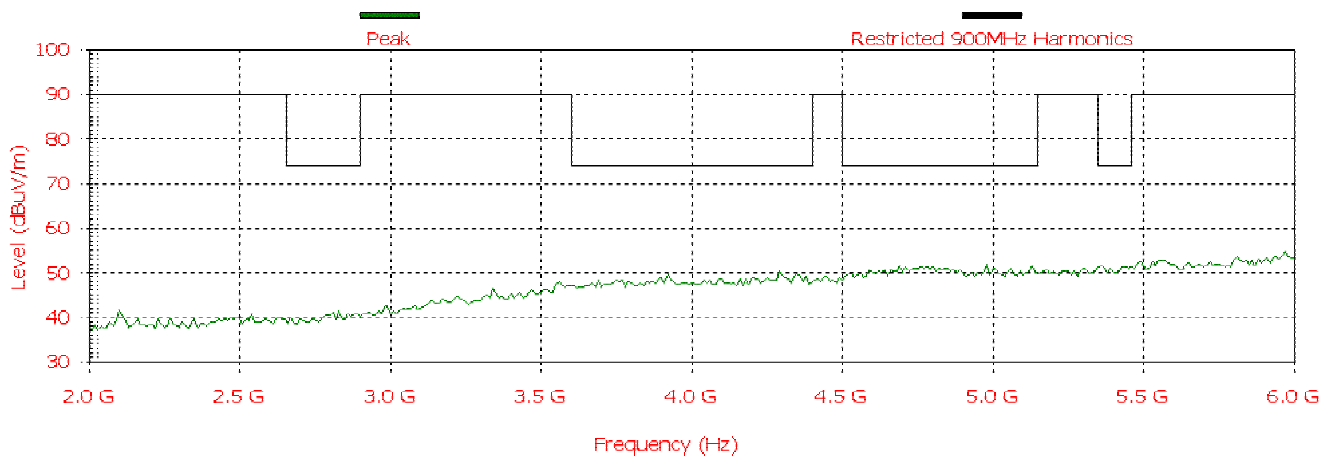
74Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average



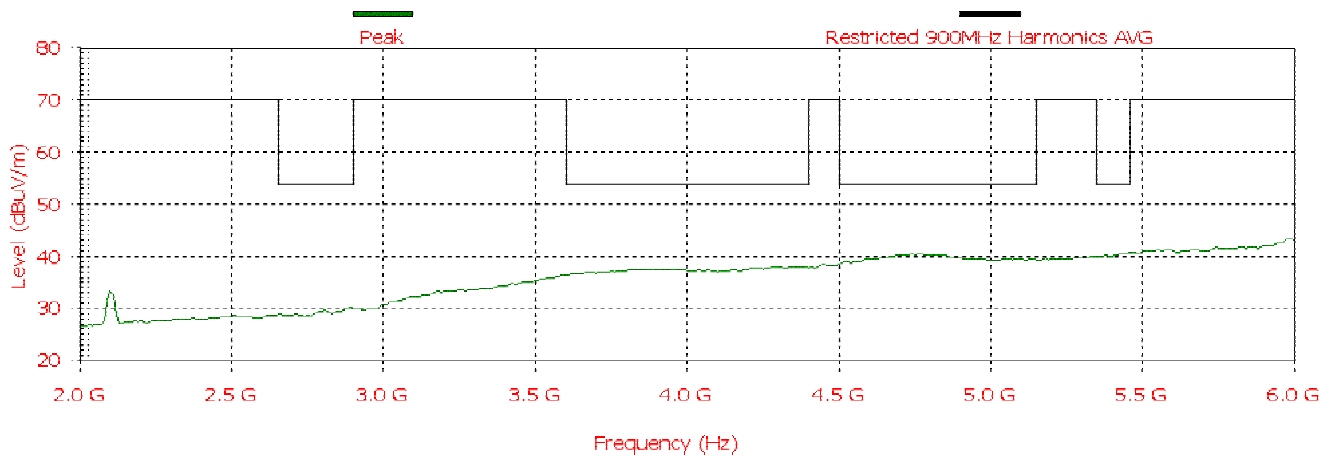
75Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



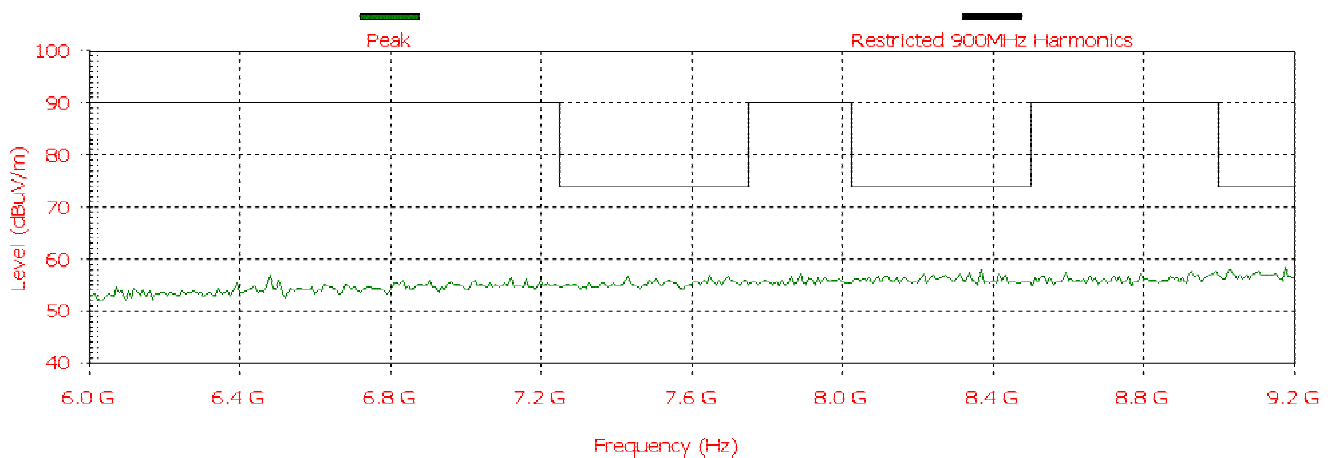
76Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average



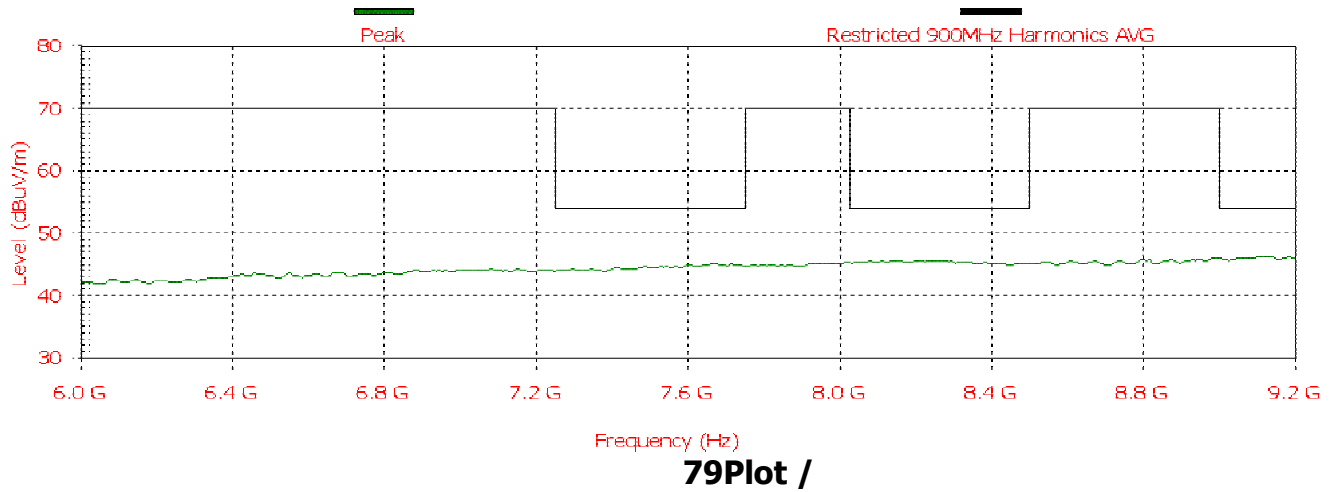
77Plot /

Analyzer setting: VBW-1M, RBW-3MHz, Peak detector



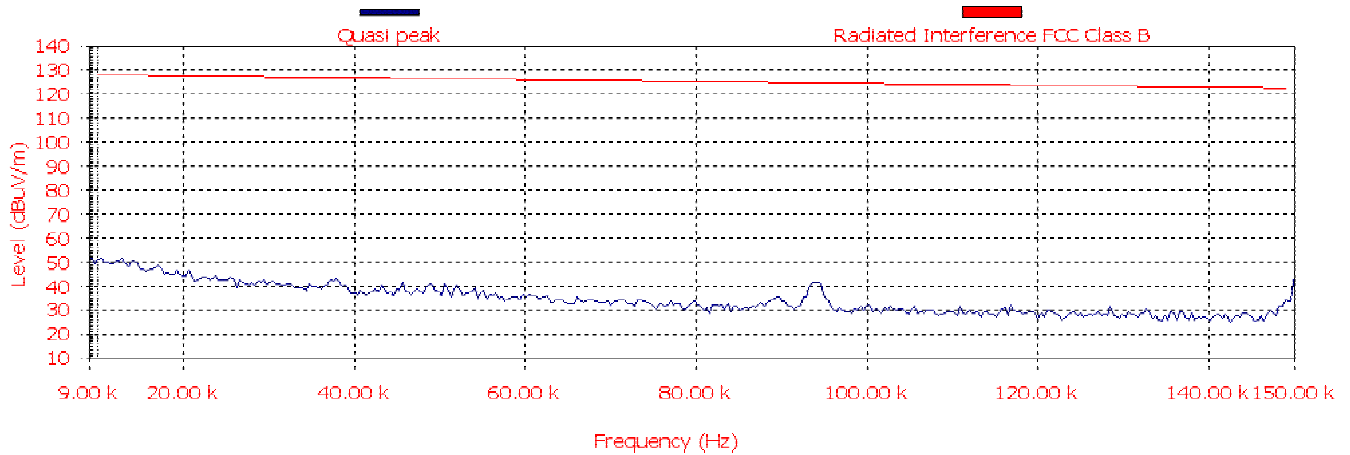
78Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average



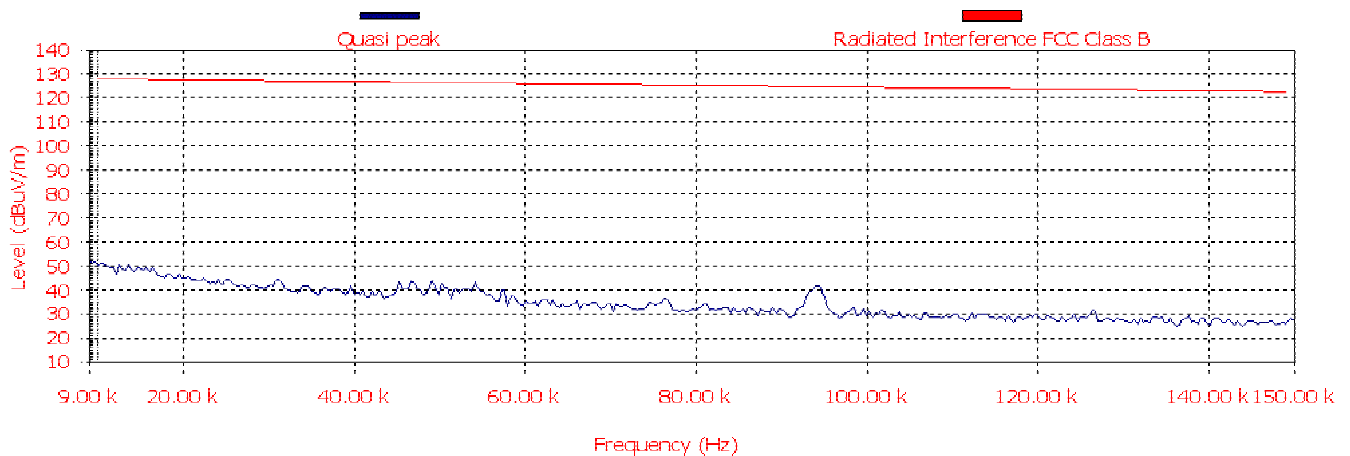
(4) Frequency **907MHz** for **GA_900A_RSU** mode

Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



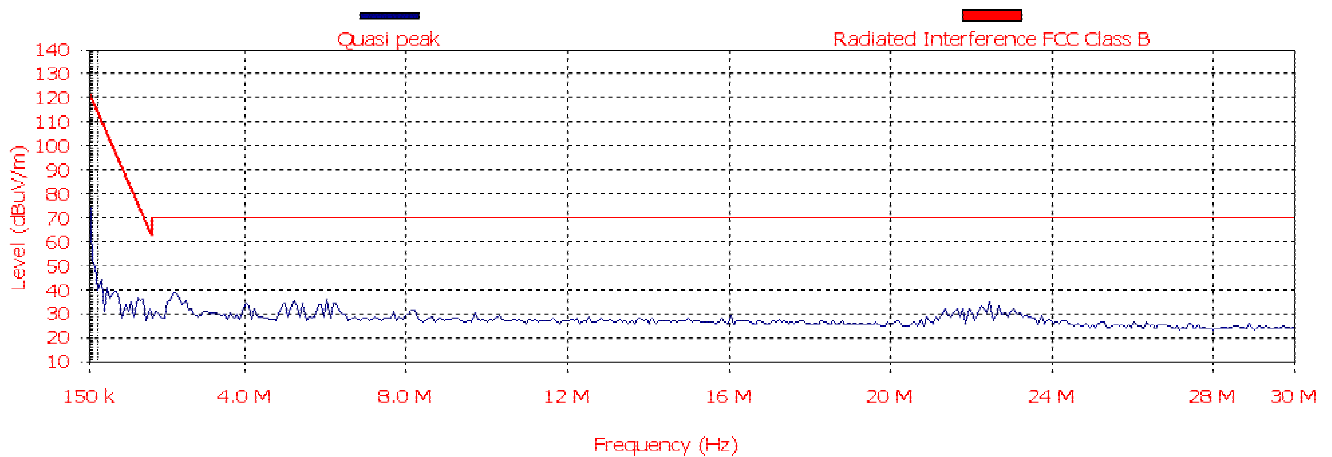
80Plot /

Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



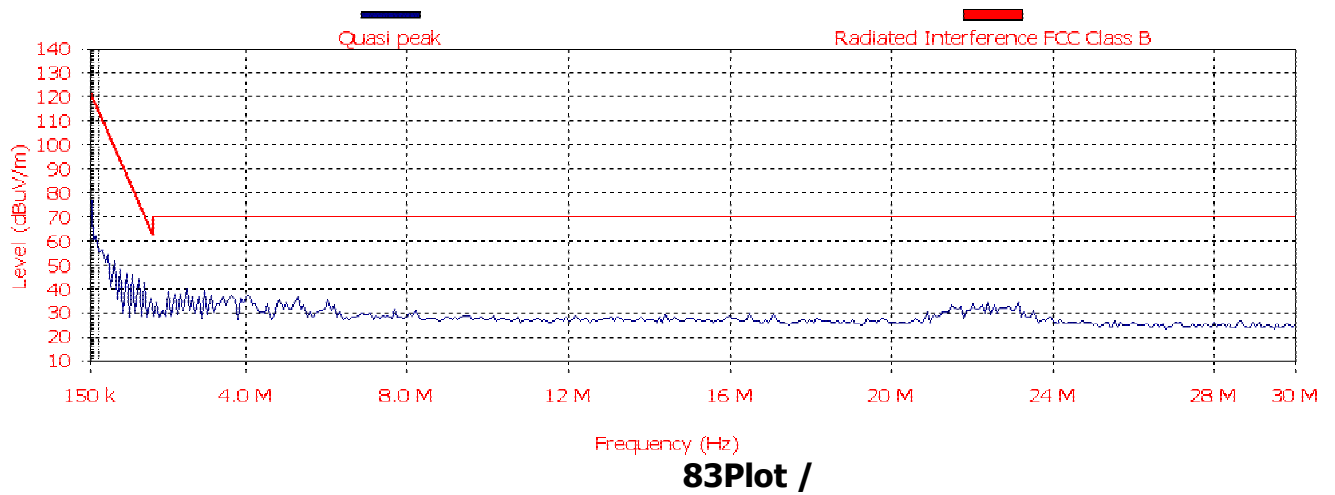
81Plot /

Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Horizontal



82Plot /

Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

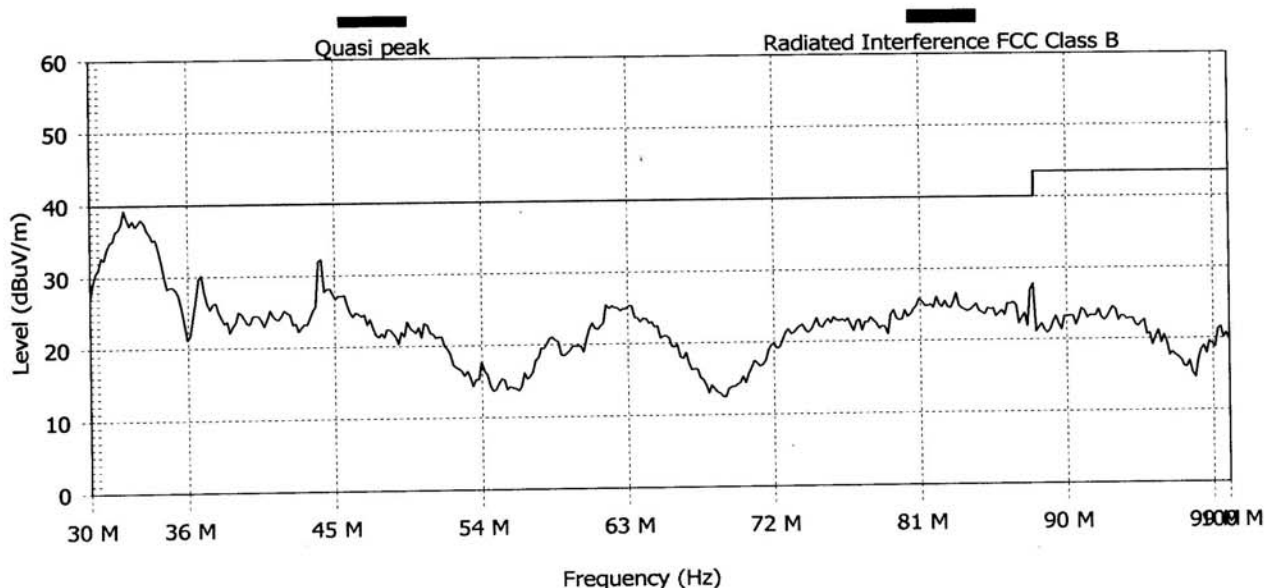
Name: WAVEIP

Contact Person: YORAM

Radiated Emission

Description: 87) FCC 15.205 RESTRICTED 30-100MHz 907 6dbi integral
From 30 MHz to 100 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	31.446	Disc. NB	36.1	34.8	40.0	-5.2	Pass	Pass	180	1.65	V
2	31.499	Disc.	34.4	33.4	40.0	-6.6	Pass	Pass	329	1	V
3	31.866	Disc. BB	37.6	34.8	40.0	-5.2	Pass	Pass	324	1	V
4	31.955	Disc.	36.4	34.4	40.0	-5.6	Pass	Pass	319	1	V
5	32.574	Disc.	37.0	35.5	40.0	-4.5	Pass	Pass	185	1.65	V
6	33.053	Disc.	37.3	36.0	40.0	-4.0	Pass	Pass	180	1.65	V
7	33.186	Disc. NB	36.6	34.6	40.0	-5.4	Pass	Pass	175	1.65	V

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

Note:

10-JULT 2004 19:15

NEW METHOD OFF ETHERNET PORT CONNECTED IN LOOP (EIGHT / LOOK AT THE PHOT

84Plot /

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

Name: WAVEIP

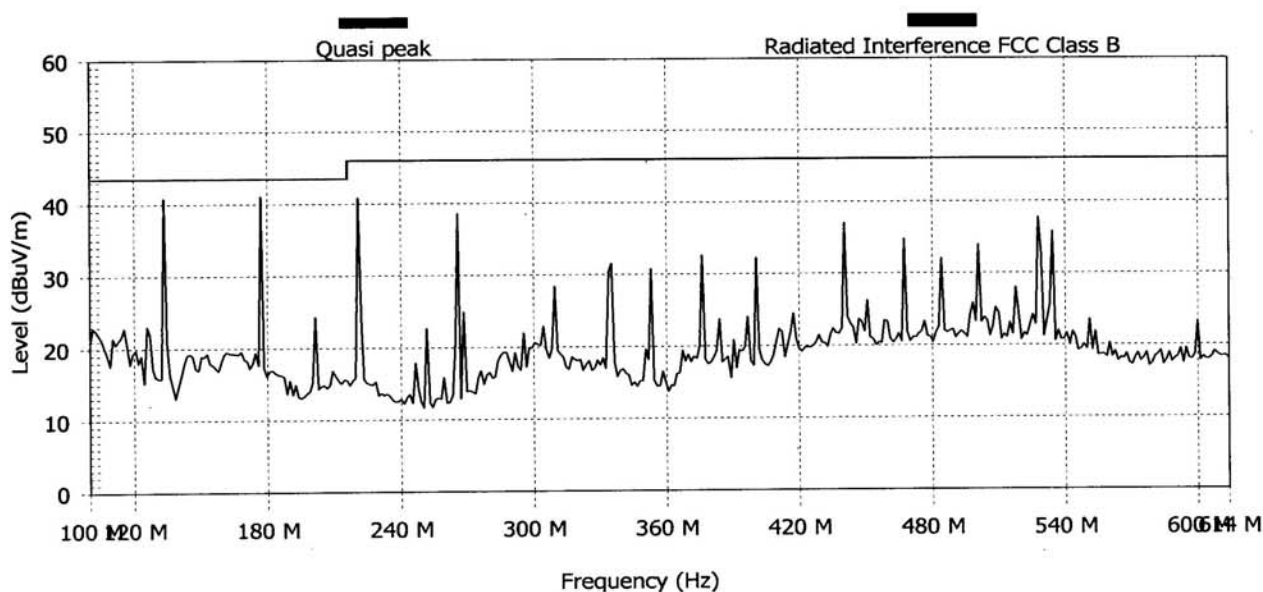
Contact Person: YORAM

Radiated Emission

Description: 84) FCC 15.205 RESTRICTED 100-600MHz 907 6dbi integral

From 100 MHz to 614 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	131.987	Cont. NB	40.4	38.6	43.5	-4.9	Pass	Pass	288	1	V
2	175.998	Cont. NB	40.9	41.0	43.5	-2.5	Pass	Pass	108	1.65	H
3	219.997	Cont. NB	40.9	40.9	46.0	-5.1	Pass	Pass	216	1	H

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 107.0830001

Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

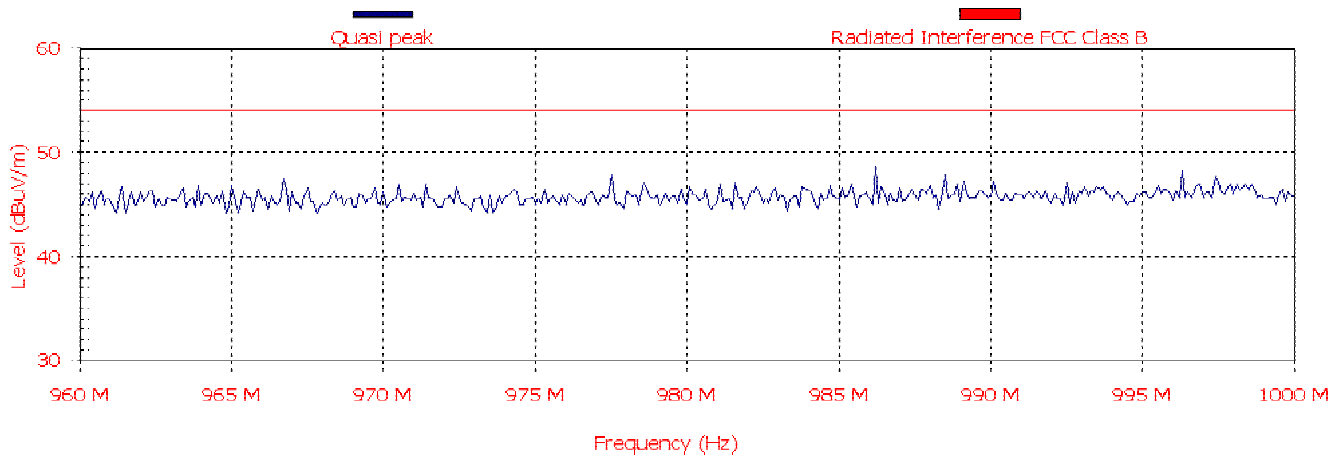
Note:

10-JULT 2004 19:15

NEW METHOD OFF ETHERNET PORT CONNECTED IN LOOP (EIGHT / LOOK AT THE PHOT

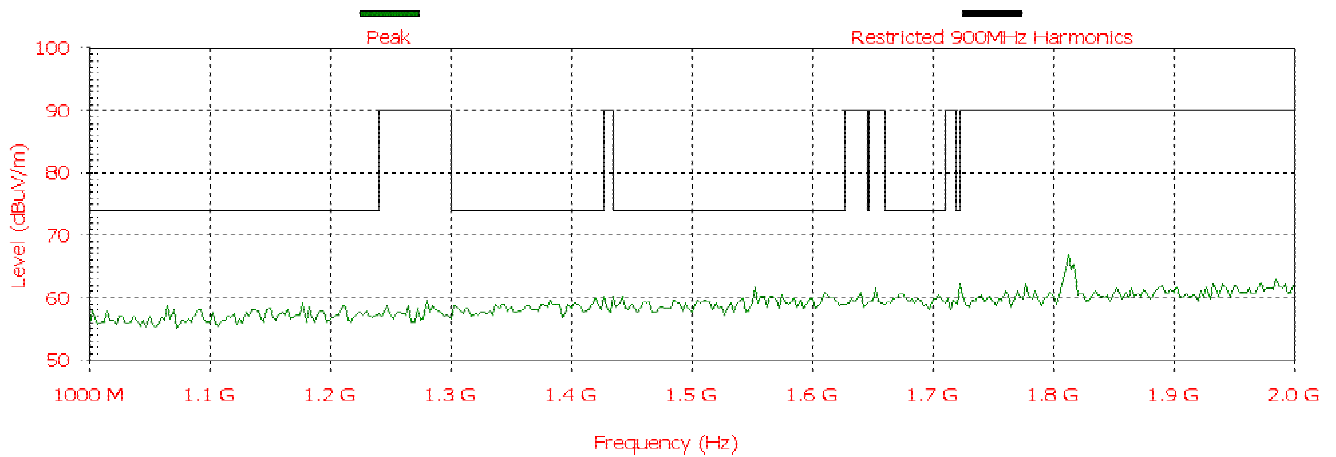
85Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



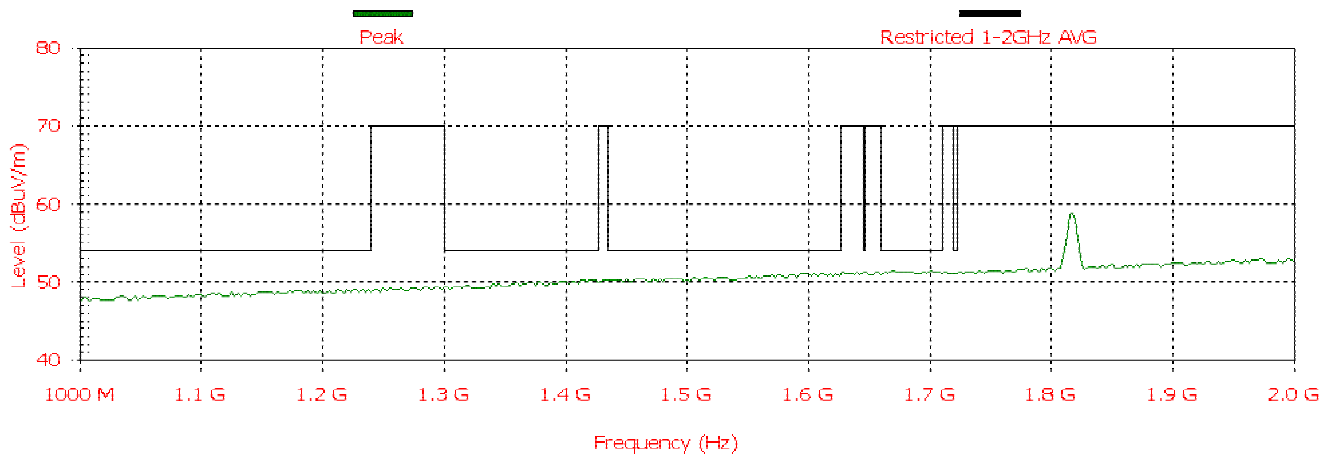
86Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



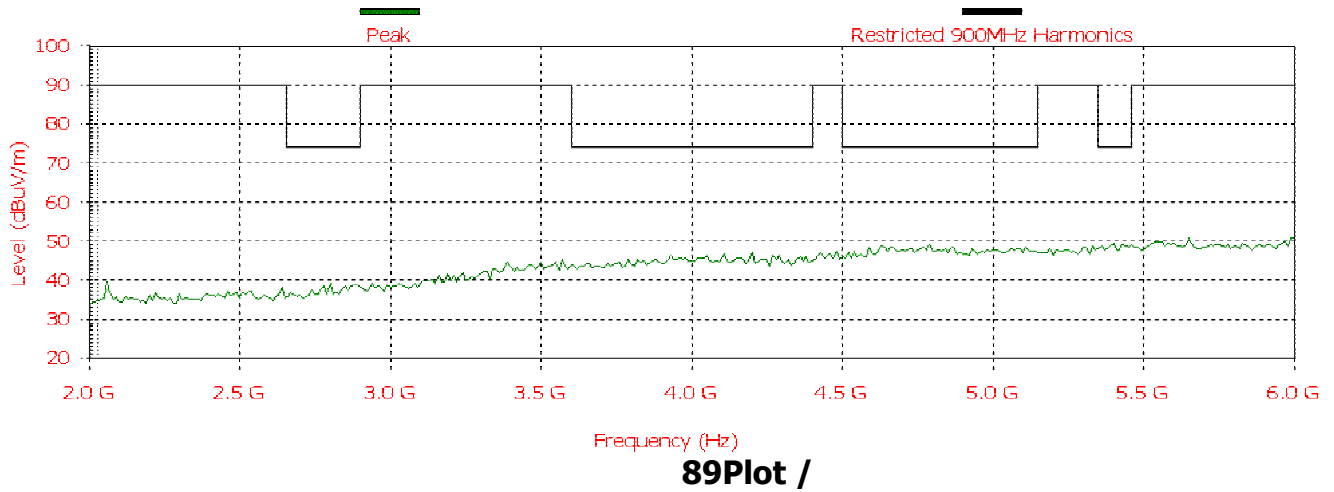
87Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average

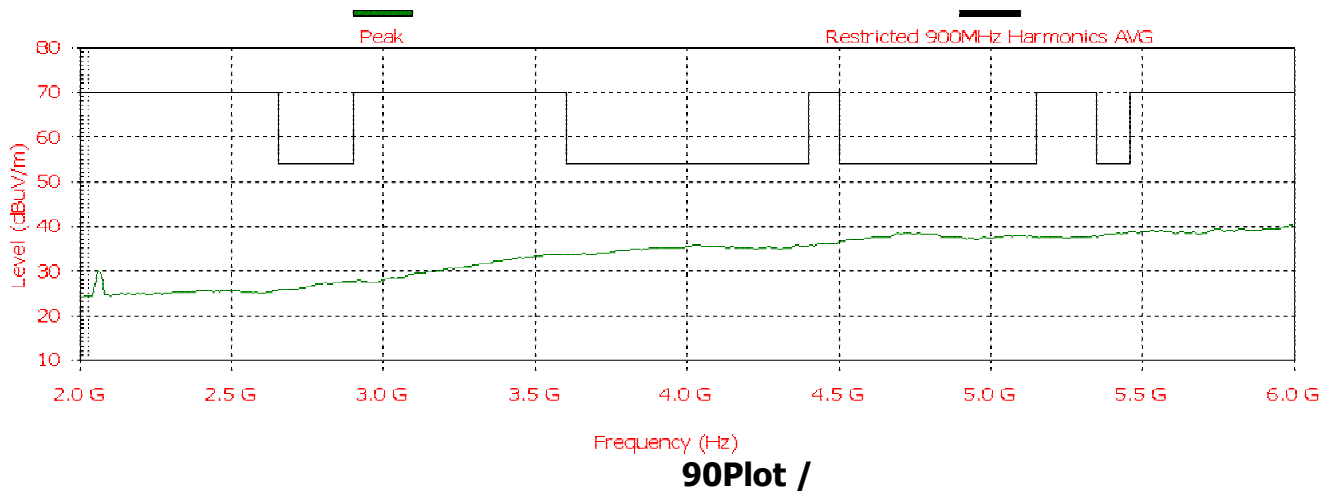


88Plot /

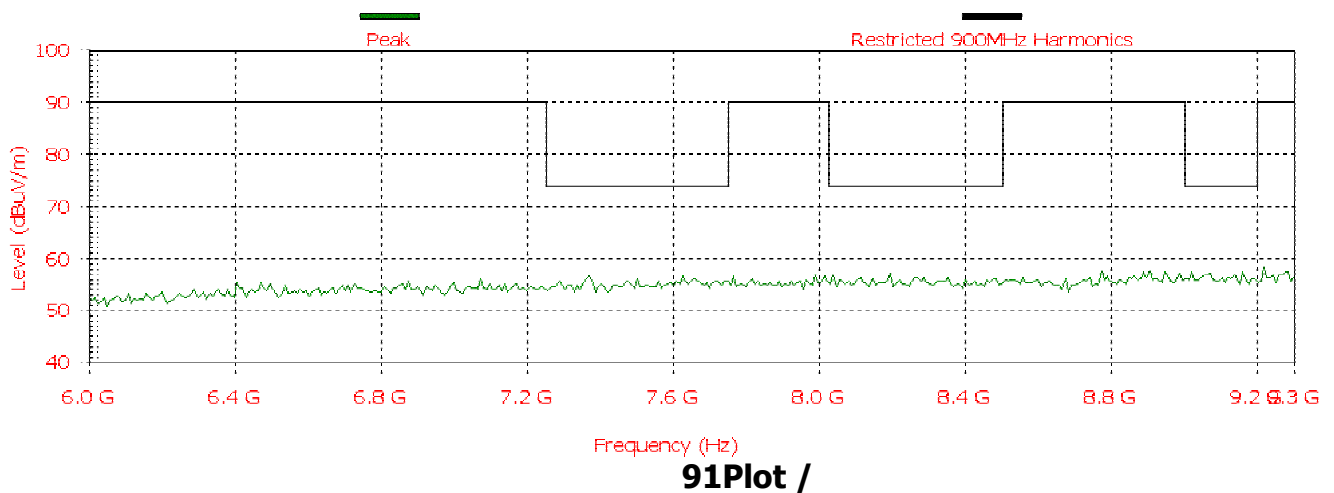
Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



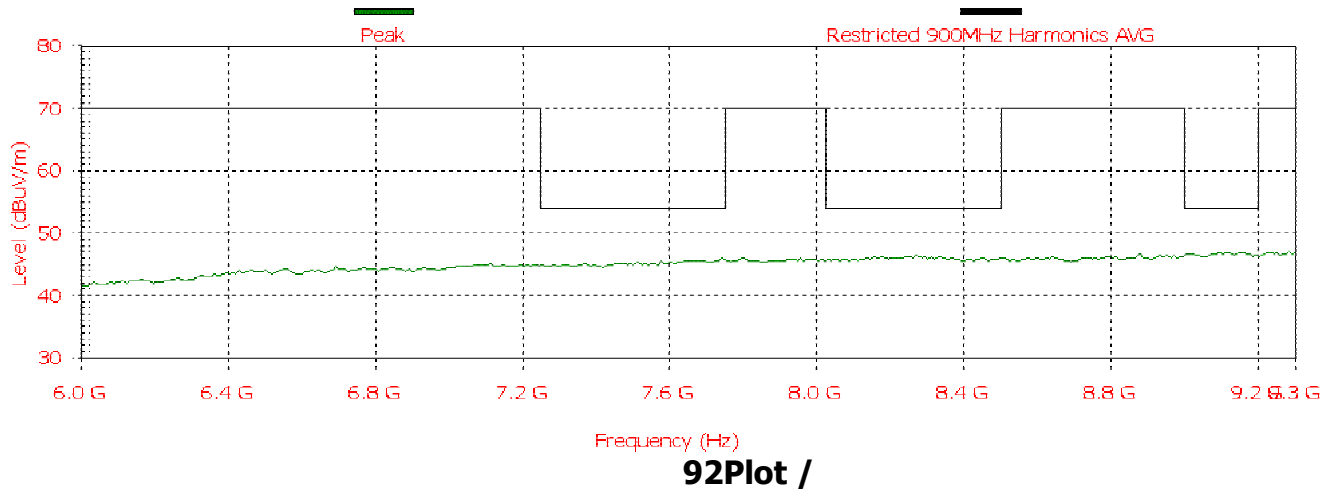
Analyzer setting: RBW-10KHz, VBW-3MHz, average



Analyzer setting: RBW-1M, VBW-3MHz, Peak detector

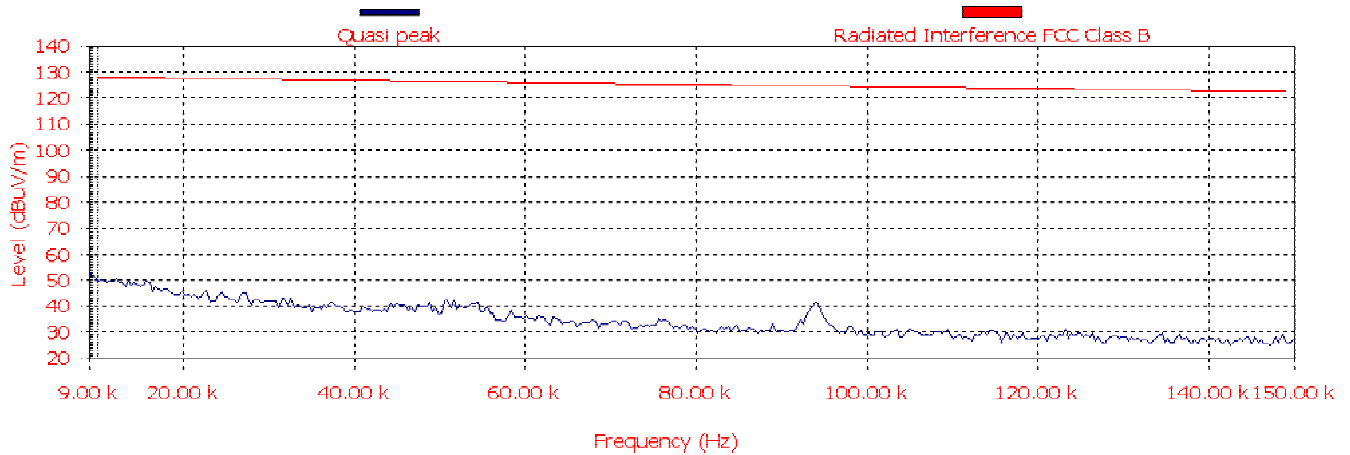


Analyzer setting: RBW-10KHz, VBW-3MHz, average

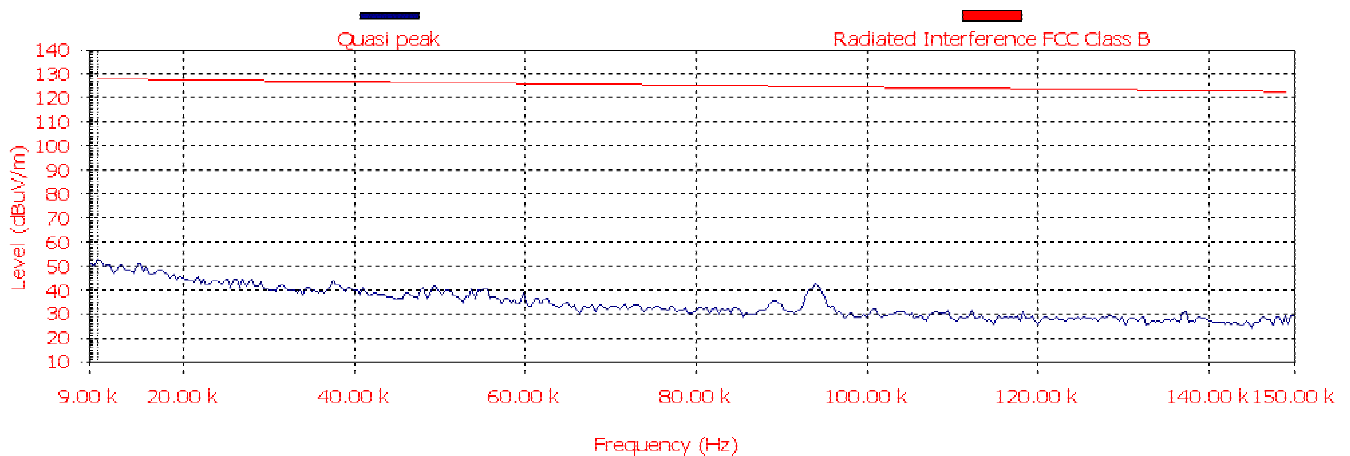


(5) Transmit Frequency **915MHz for GA_900A_RSU mode i**

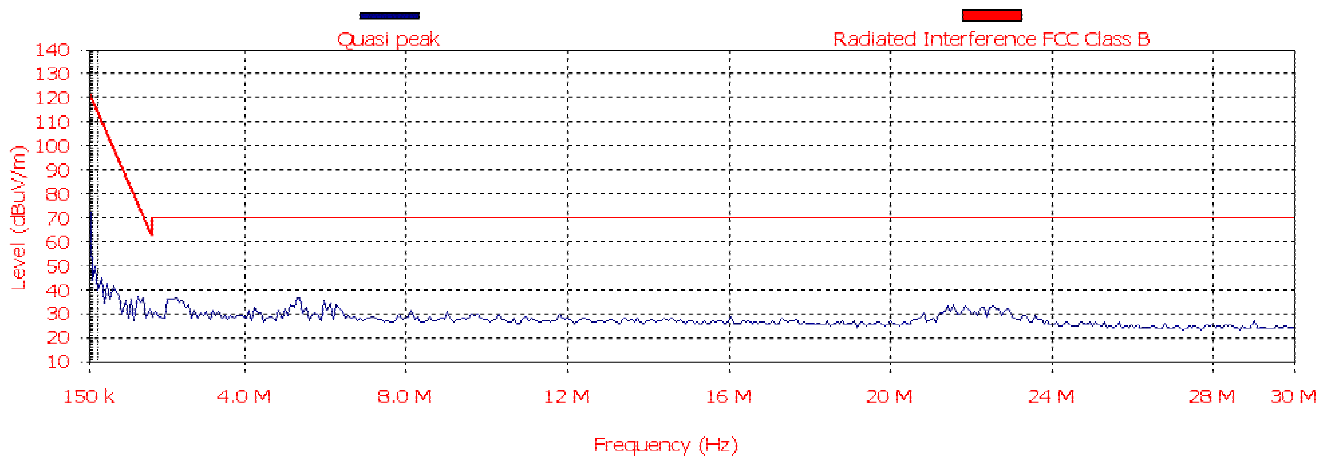
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



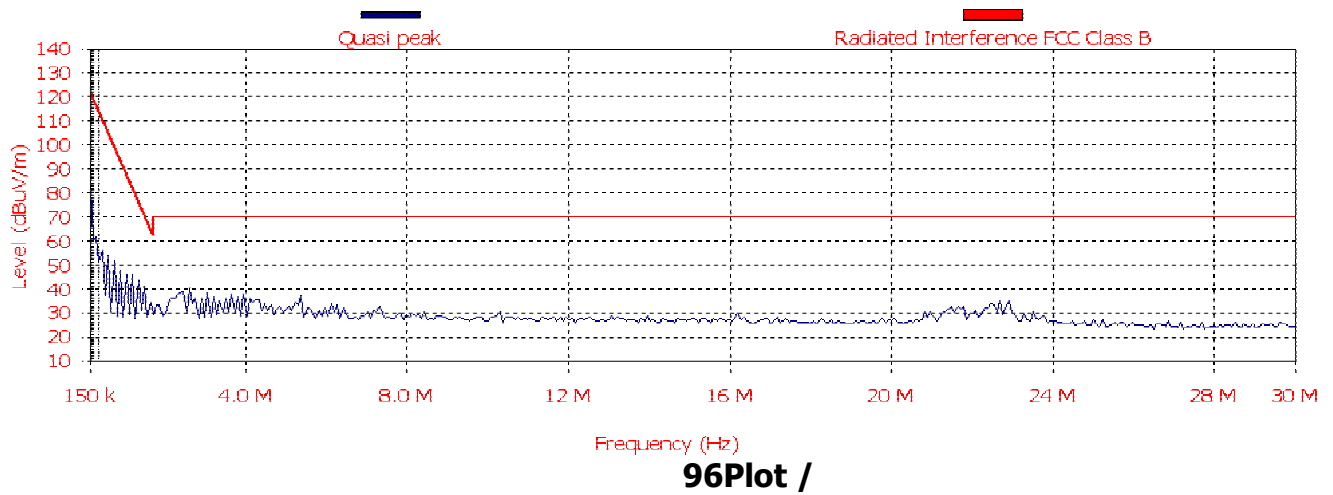
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Horizontal



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



Analyzer setting: RBW-120K, VBW-1MHz, QP detector

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

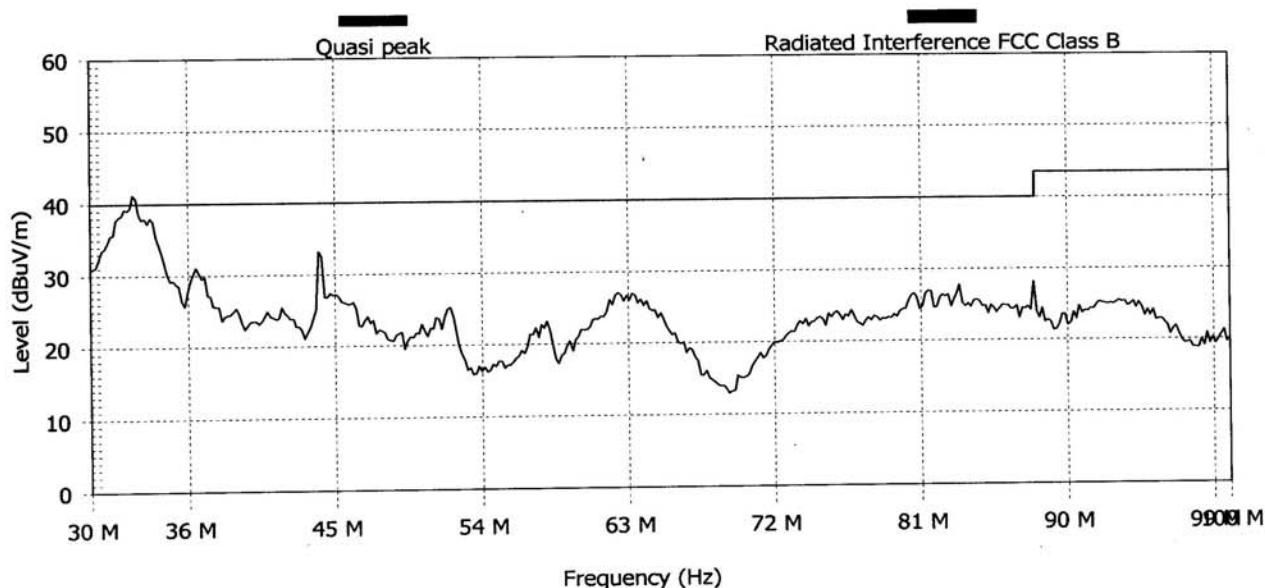
Name: WAVEIP

Contact Person: YORAM

Radiated Emission

Description: 82) FCC 15.205 RESTRICTED 30-100MHz 915 6dbi integral
From 30 MHz to 100 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	31.055	Disc. BB	36.9	34.9	40.0	-5.1	Pass	Pass	324	1.65	V
2	31.652	Disc. NB	37.4	36.3	40.0	-3.7	Pass	Pass	329	1.65	V
3	31.845	Disc.	38.7	37.5	40.0	-2.5	Pass	Pass	329	1.65	V
4	32.18	Disc.	39.3	38.3	40.0	-1.7	Pass	Pass	329	1.65	V
5	32.939	Disc.	37.8	37.2	40.0	-2.8	Pass	Pass	329	1.65	V
6	33.174	Disc.	37.5	36.4	40.0	-3.6	Pass	Pass	324	1.65	V
7	33.289	Disc.	37.3	36.1	40.0	-3.9	Pass	Pass	324	1.65	V
8	33.668	Disc. NB	35.8	34.5	40.0	-5.5	Pass	Pass	329	1.65	V

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

Note:

10-JULT 2004 19:15

NEW METHOD OFF ETHERNET PORT CONNECTED IN LOOP (EIGHT / LOOK AT THE PHOT

97Plot /

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

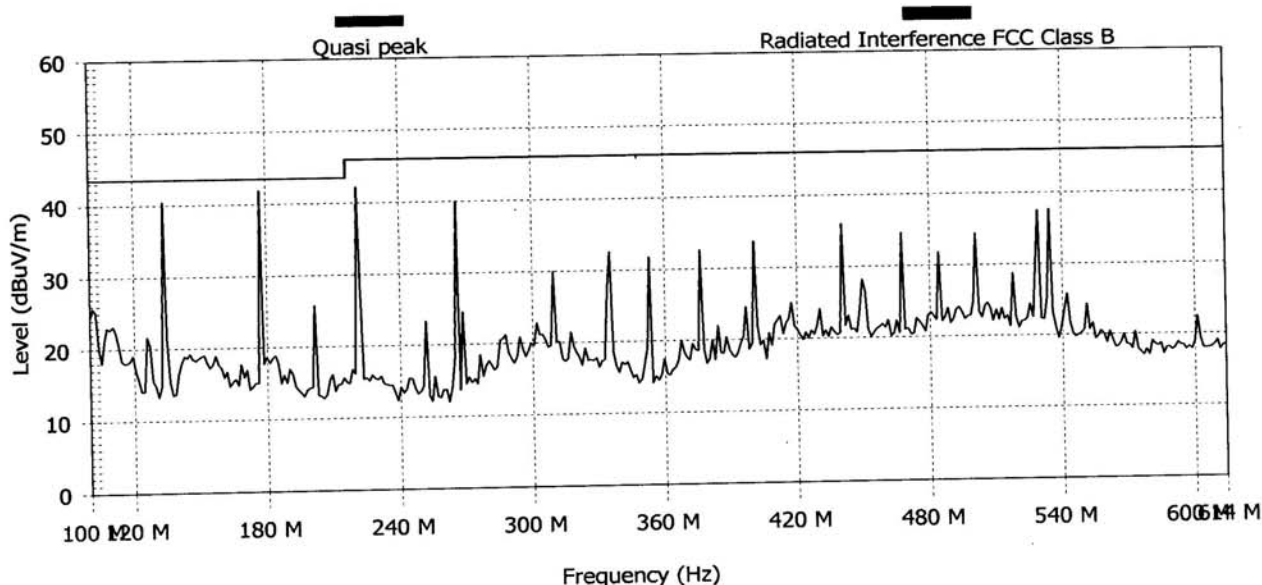
Name: WAVEIP

Contact Person: YORAM

Radiated Emission

Description: 83) FCC 15.205 RESTRICTED 100-600MHz 915 6dbi integral
From 100 MHz to 614 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	131.996	Cont. NB	40.6	40.3	43.5	-3.2	Pass	Pass	288	1	V
2	175.999	Cont. NB	38.1	37.8	43.5	-5.7	Pass	Pass	252	1	H
3	219.997	Cont. NB	42.3	42.3	46.0	-3.7	Pass	Pass	252	1	H

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 107.0830001

Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

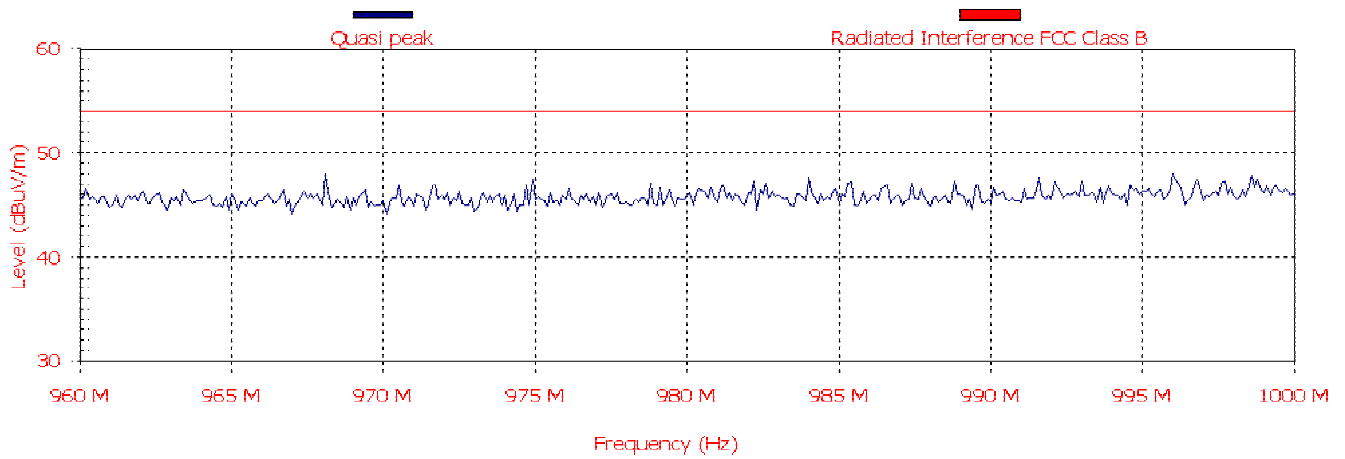
Note:

10-JULT 2004 19:15

NEW METHOD OFF ETHERNET PORT CONNECTED IN LOOP (EIGHT / LOOK AT THE PHOT

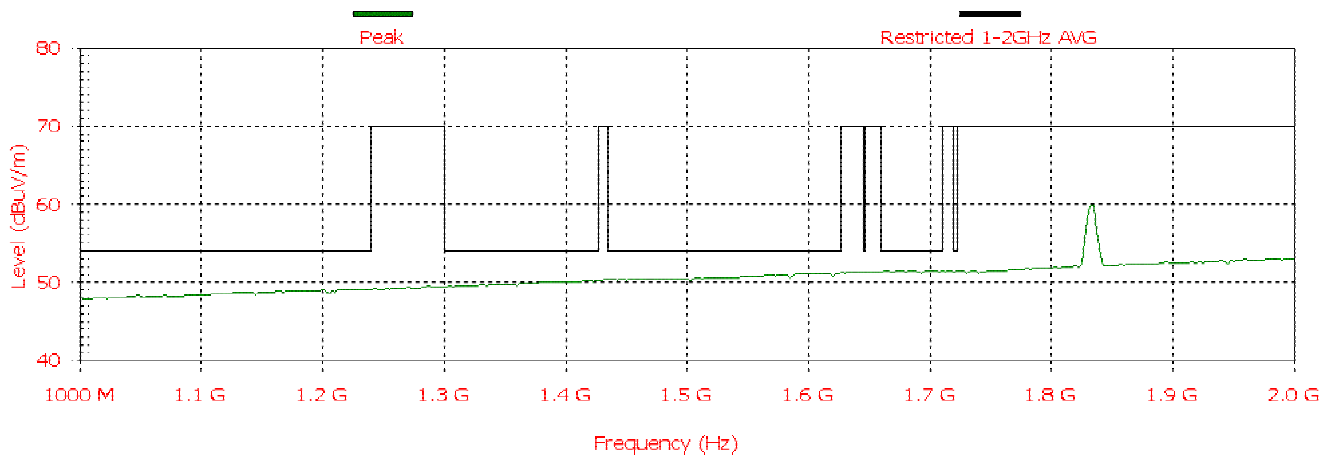
98Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



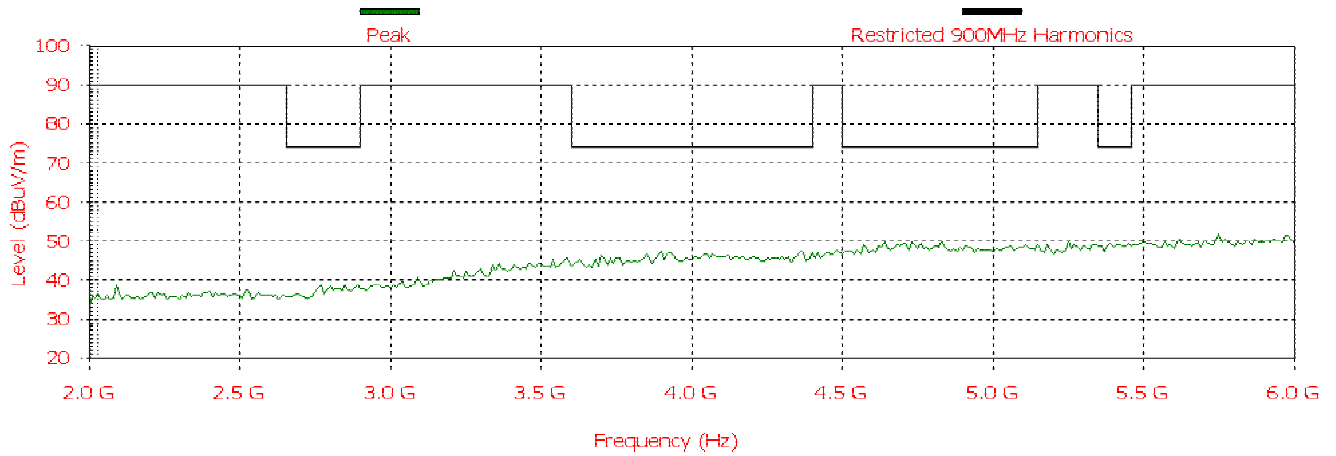
99Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average

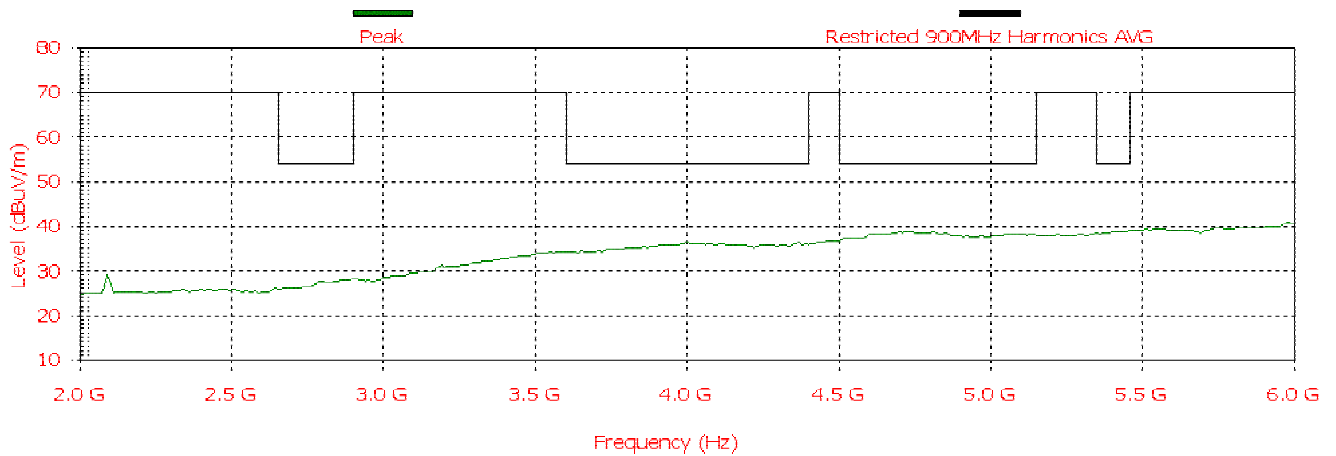


100Plot /

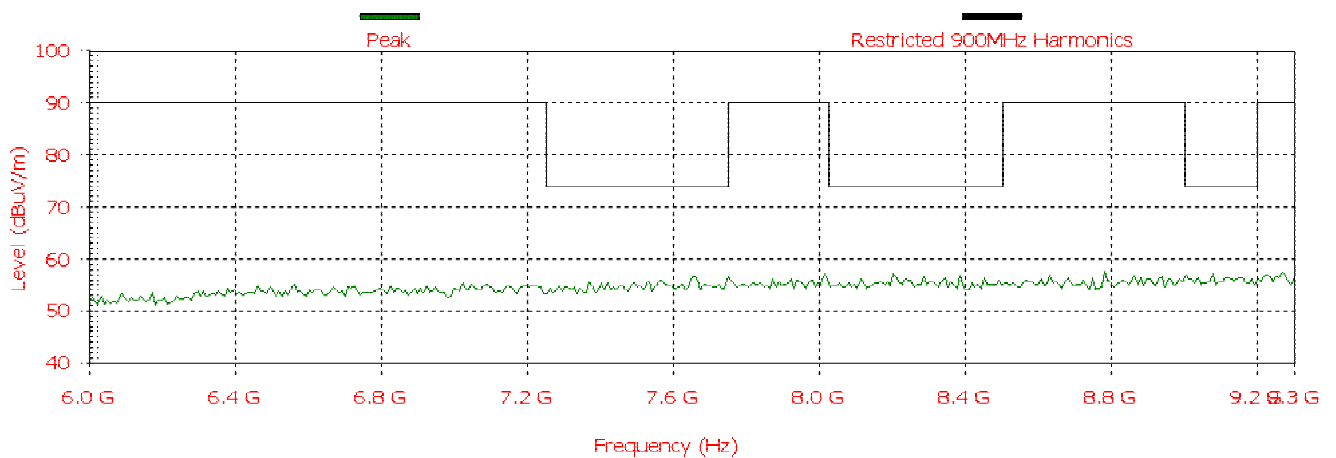
Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



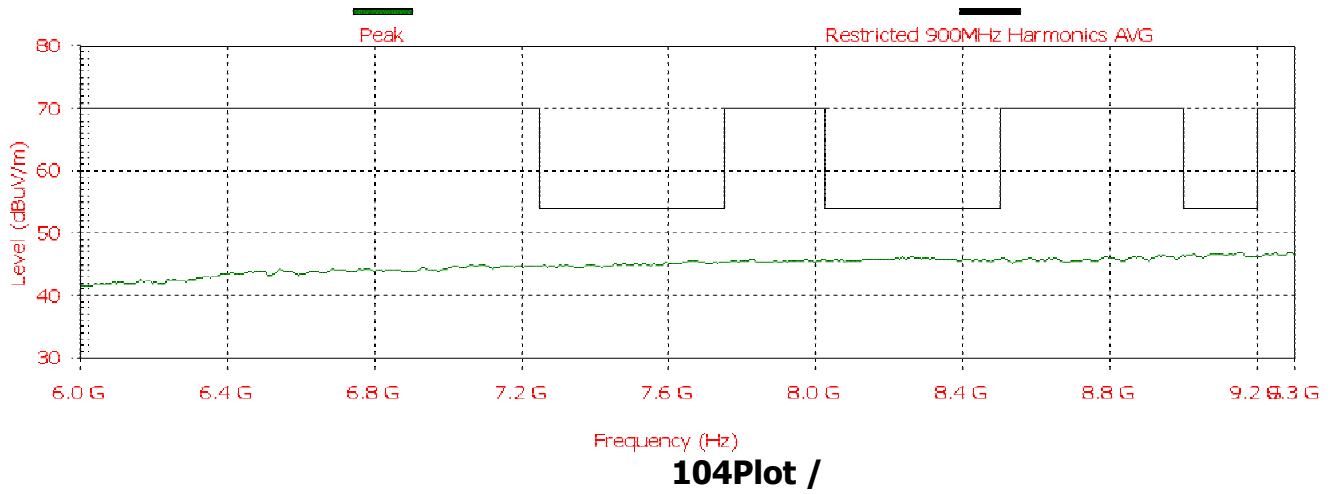
Analyzer setting: RBW-10KHz, VBW-3MHz, average



Analyzer setting: RBW-1M, VBW-3MHz, Peak detector

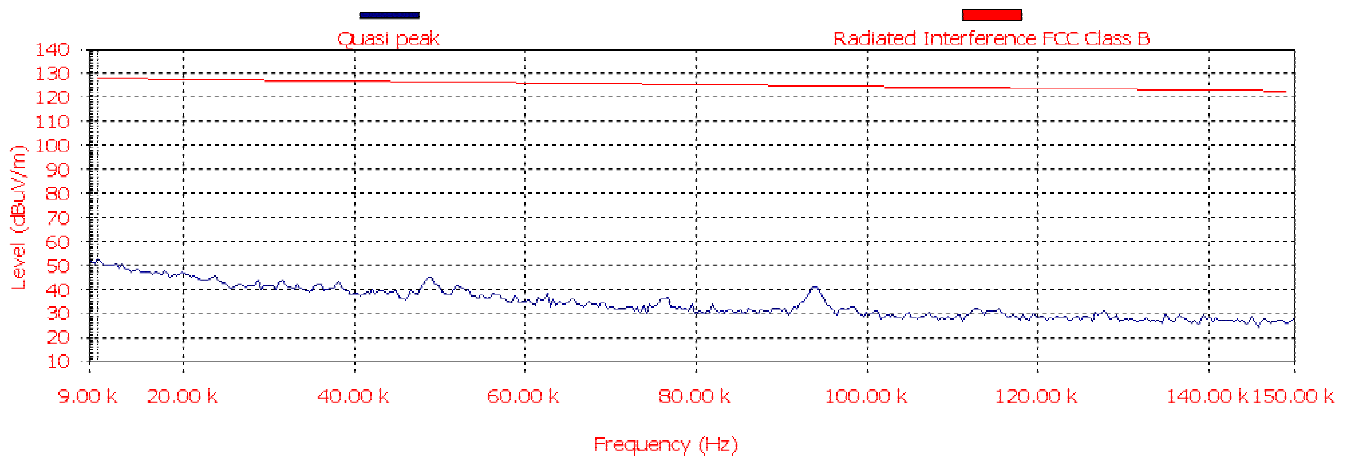


Analyzer setting: RBW-10KHz, VBW-3MHz, average

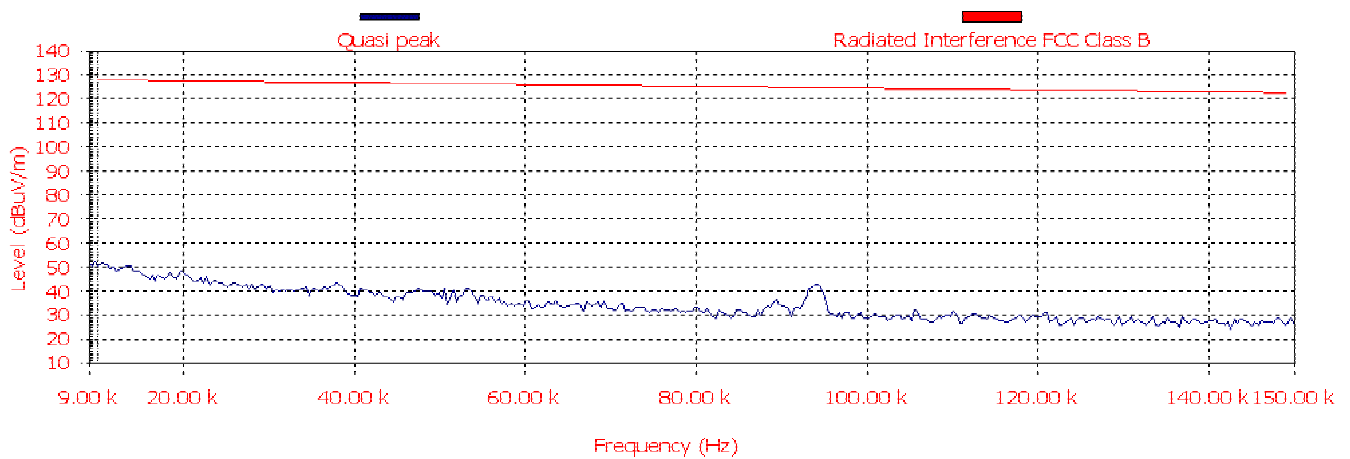


(6) Transmit Frequency **923MHz for GA_900A_RSU mode**

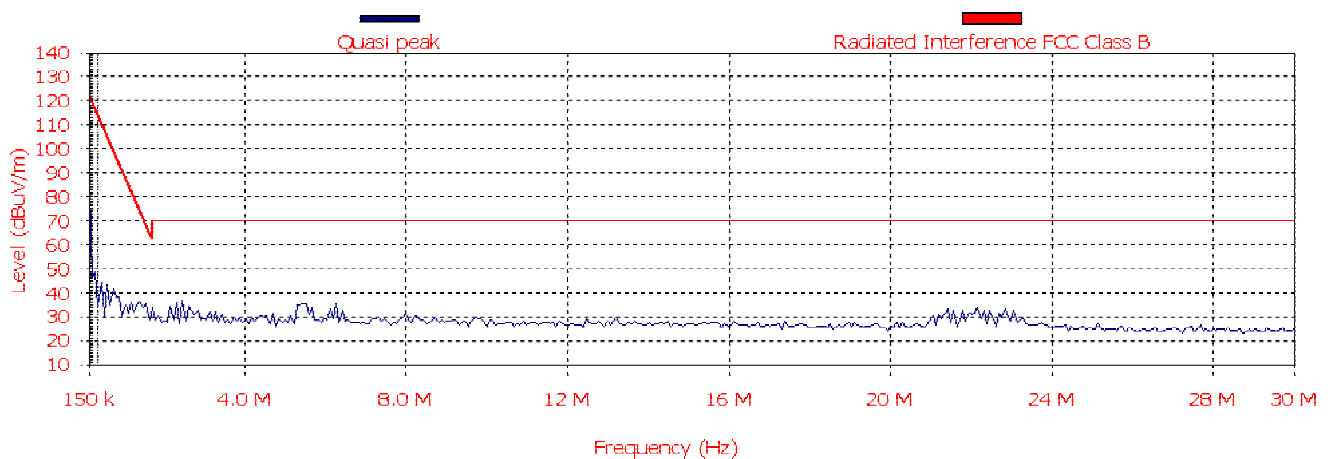
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



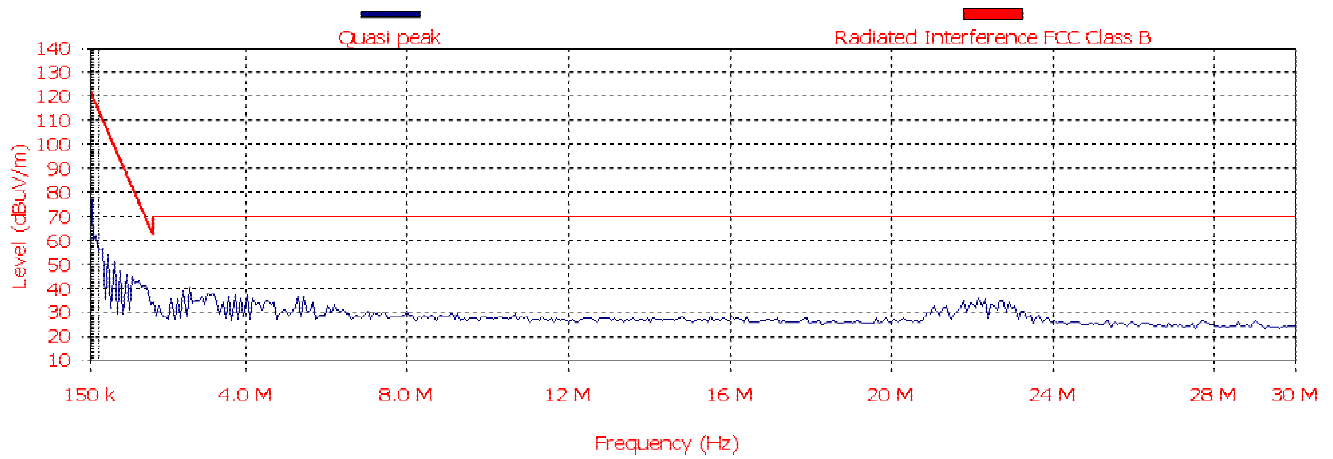
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Horizontal



Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



108Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

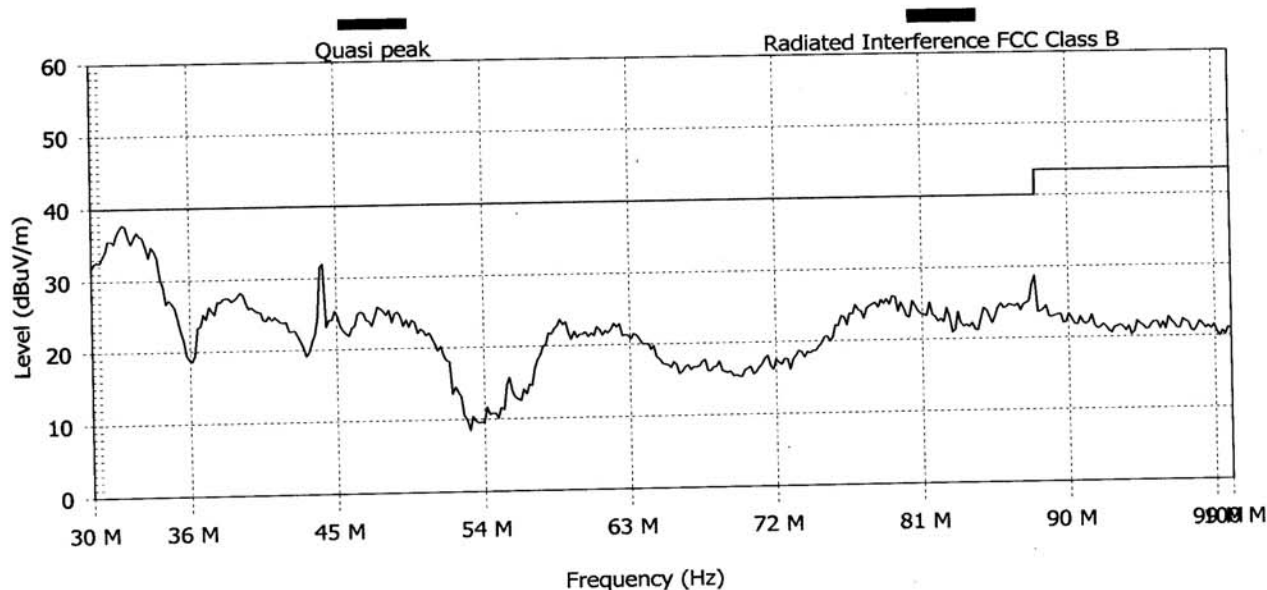
Name: WAVEIP

Contact Person: YORAM

Radiated Emission

Description: 86) FCC 15.205 RESTRICTED 30-100MHz 923 6dbi integral
From 30 MHz to 100 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	30.709	Disc. BB	34.8	32.8	40.0	-7.2	Pass	Pass	252	1.65	V
2	30.874	Disc.	34.3	33.7	40.0	-6.3	Pass	Pass	252	1.65	V
3	31.841	Disc.	37.3	36.7	40.0	-3.3	Pass	Pass	252	1.65	V
4	32.222	Disc.	36.7	35.9	40.0	-4.1	Pass	Pass	252	1.65	V
5	32.38	Disc.	35.1	34.8	40.0	-5.2	Pass	Pass	252	1.65	V
6	32.621	Disc. NB	35.1	34.6	40.0	-5.4	Pass	Pass	144	1.65	V
7	32.807	Disc. NB	35.2	35.1	40.0	-4.9	Pass	Pass	252	1.65	V

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

Note:

10-JULT 2004 19:15

NEW METHOD OFF ETHERNET PORT CONNECTED IN LOOP (EIGHT / LOOK AT THE PHOT

109Plot /

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

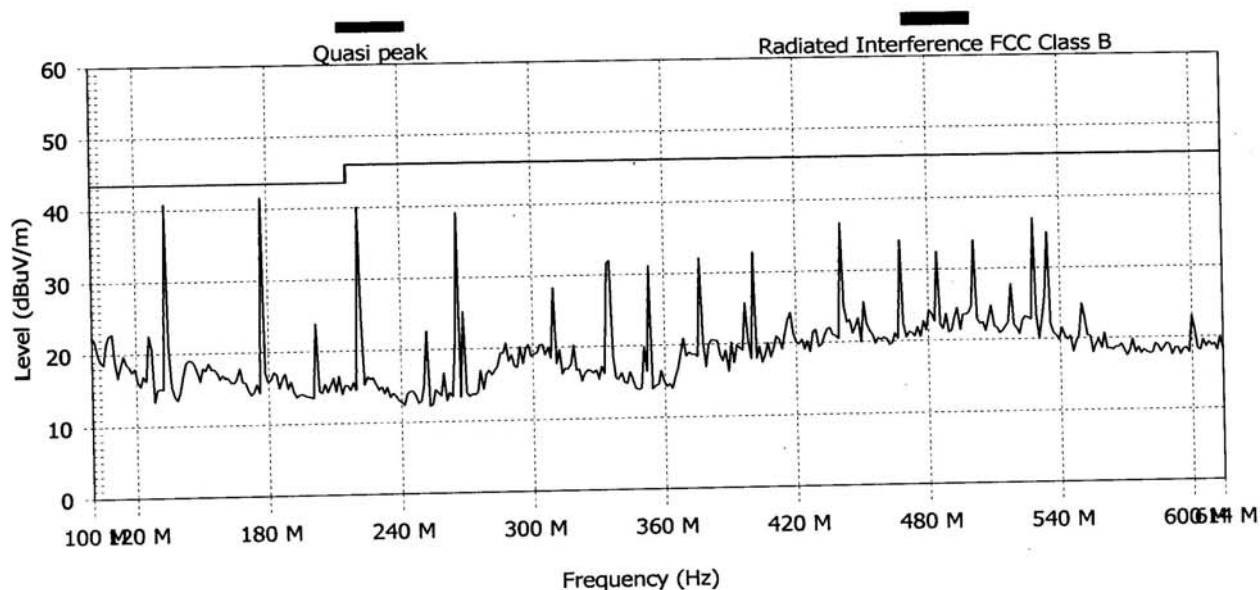
Name: WAVEIP

Contact Person: YORAM

Radiated Emission

Description: 85) FCC 15.205 RESTRICTED 100-600MHz 923 6dbi integral
From 100 MHz to 614 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	131.989	Cont. NB	40.7	39.2	43.5	-4.3	Pass	Pass	288	1	V
2	175.997	Cont. NB	41.6	41.5	43.5	-2.0	Pass	Pass	108	1.65	H
3	219.998	Cont. NB	40.5	40.3	46.0	-5.7	Pass	Pass	252	1	H

Settings:

Antenna: Both Polarizations at 3.0 m

Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 107.0830001

Detect all peaks above 6 dB below the limit lines with a maximum of 10 peaks.

Measure the peaks with the quasi-peak detector

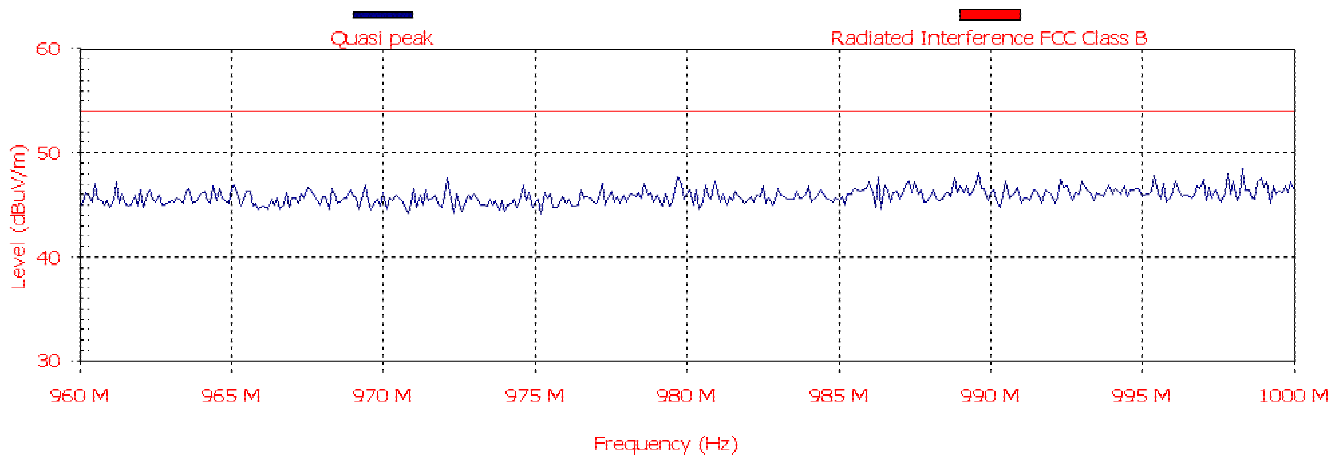
Note:

10-JULT 2004 19:15

NEW METHOD OFF ETHERNET PORT CONNECTED IN LOOP (EIGHT / LOOK AT THE PHOT

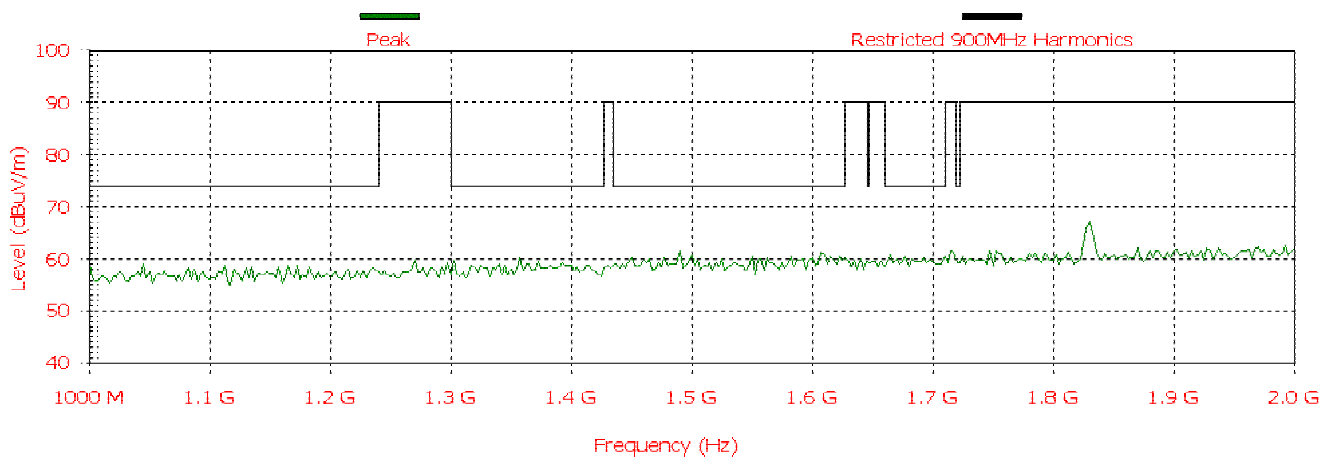
110Plot /

Analyzer setting: RBW-120K, VBW-1MHz, QP detector



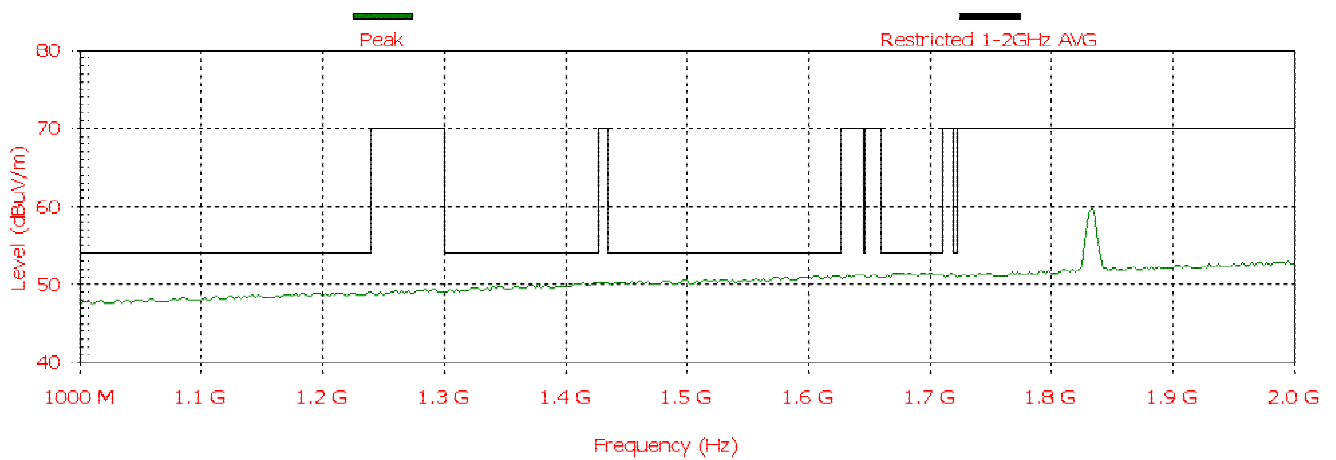
111Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



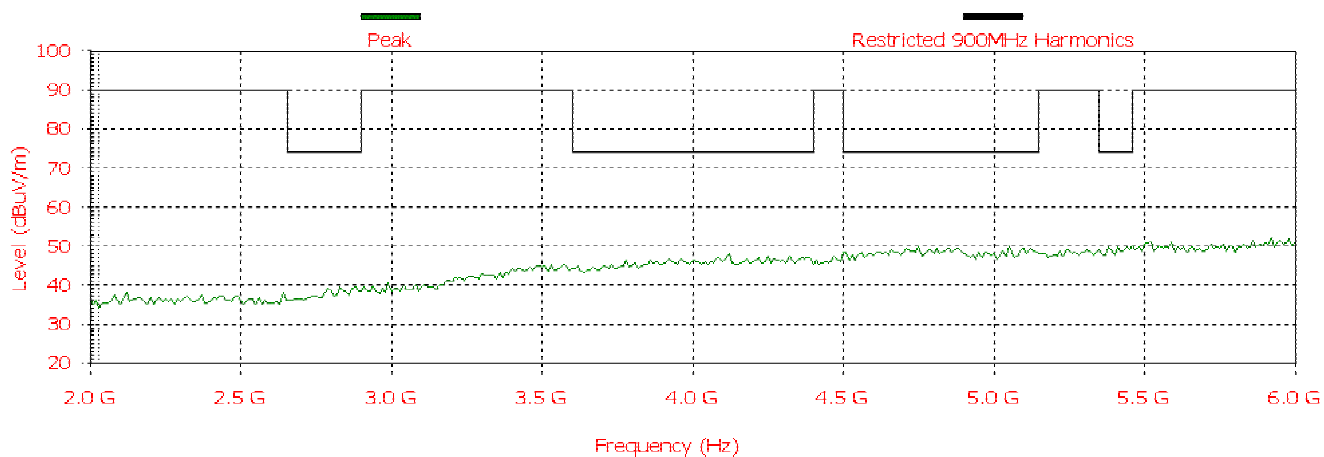
112Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average



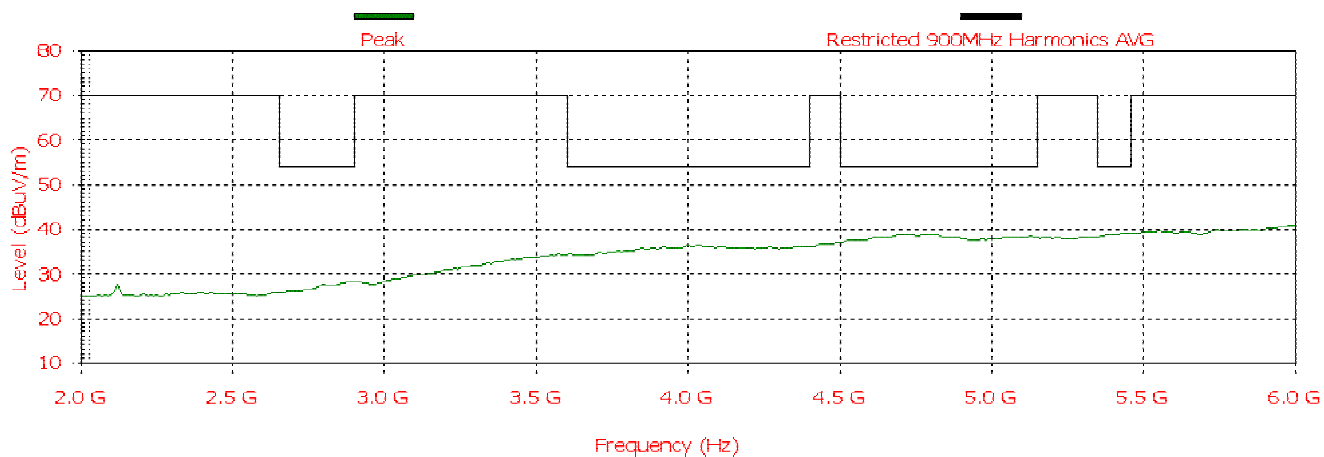
113Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector



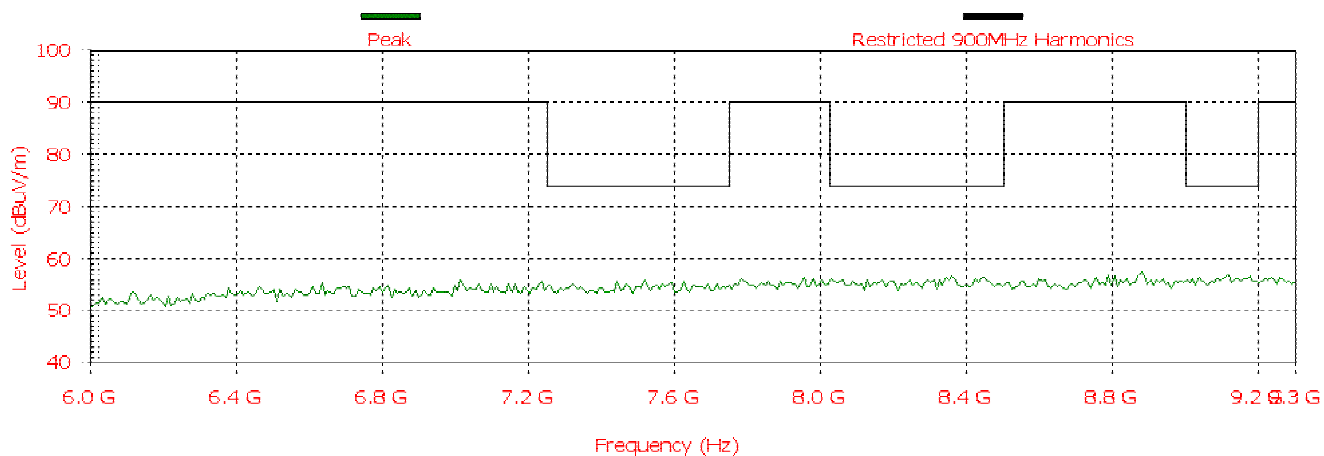
114Plot /

Analyzer setting: RBW-10KHz, VBW-3MHz, average



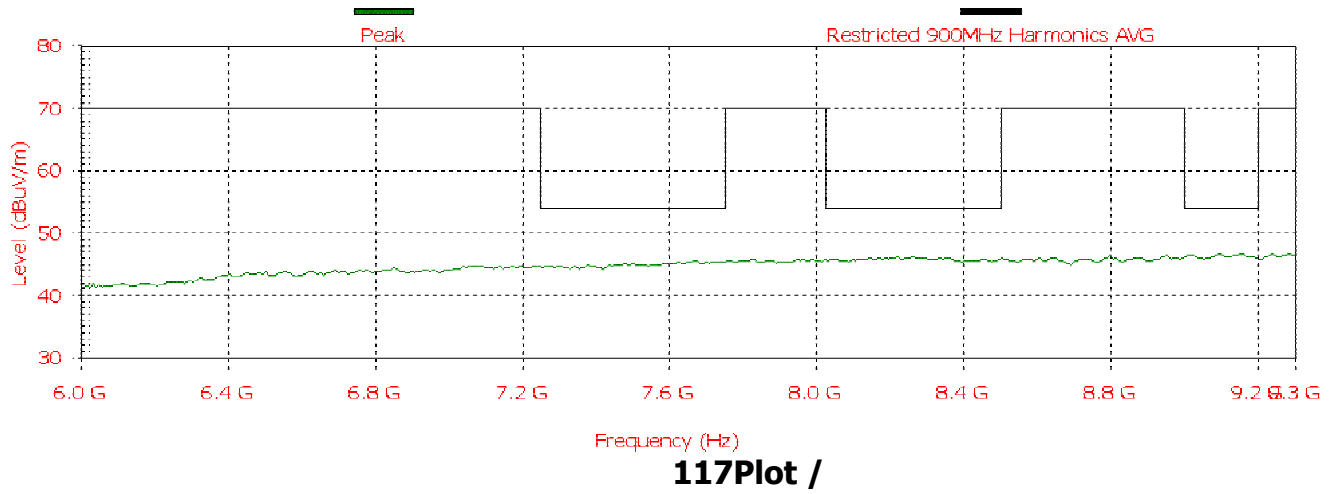
115Plot /

Analyzer setting: RBW-1M, VBW-3MHz, Peak detector

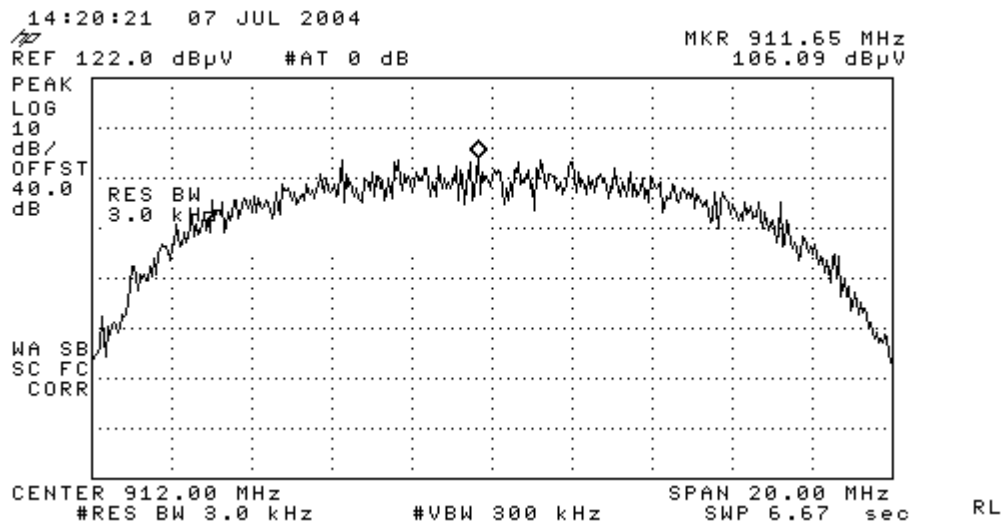


116Plot /

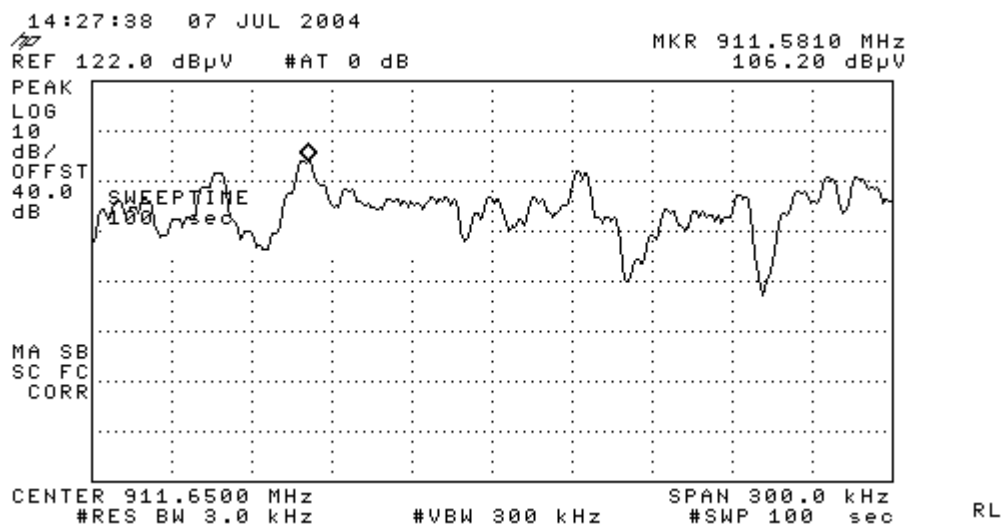
Analyzer setting: RBW-10KHz, VBW-3MHz, average



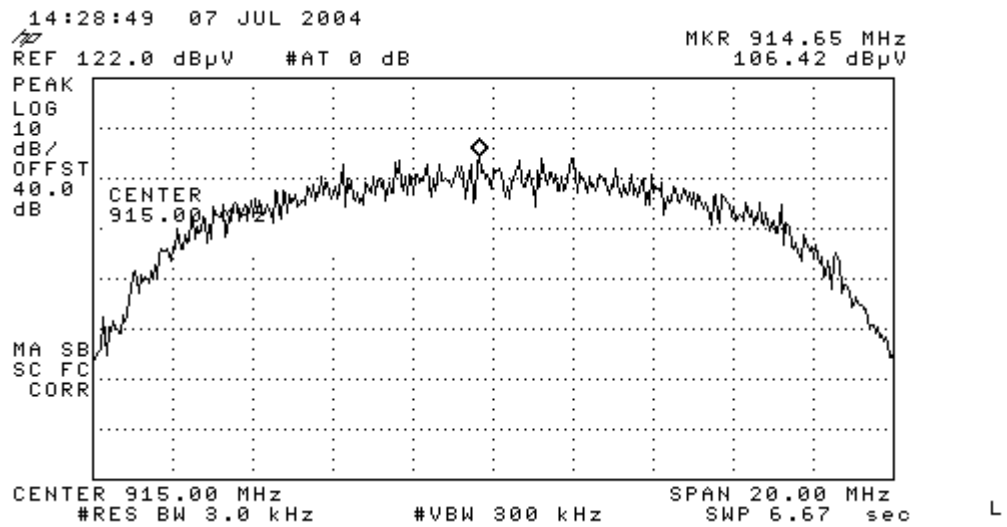
e. **Peak power spectral density of DSSS according 15.247d plots 118 - 129**



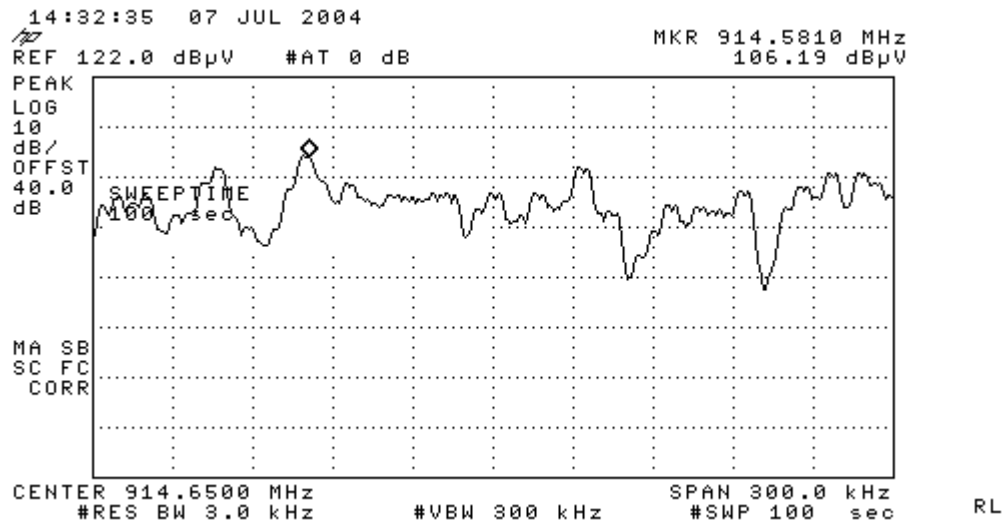
118Plot /



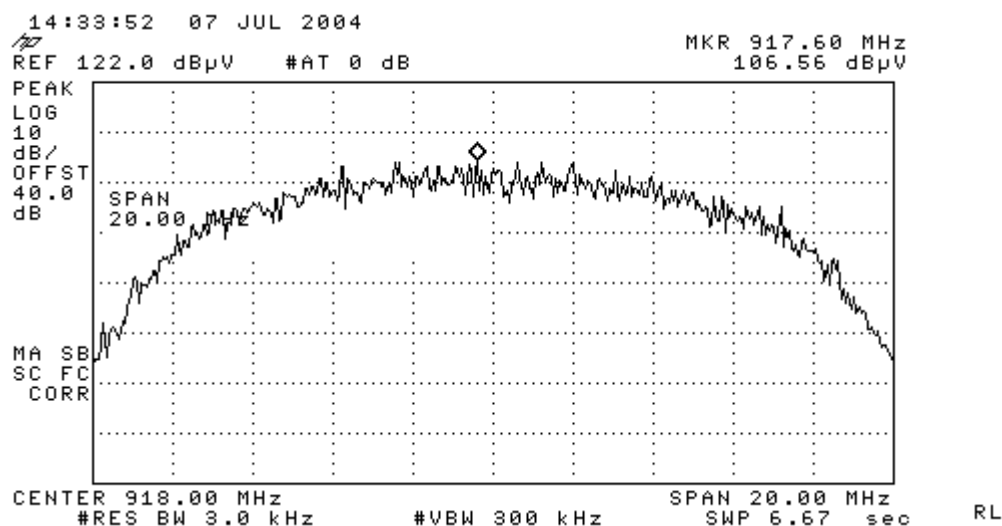
119Plot /



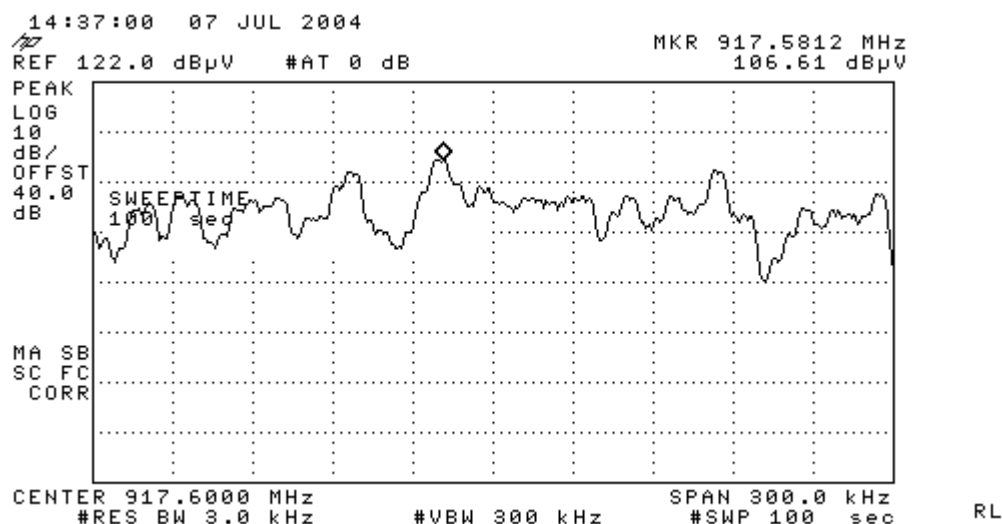
120Plot /



121Plot /



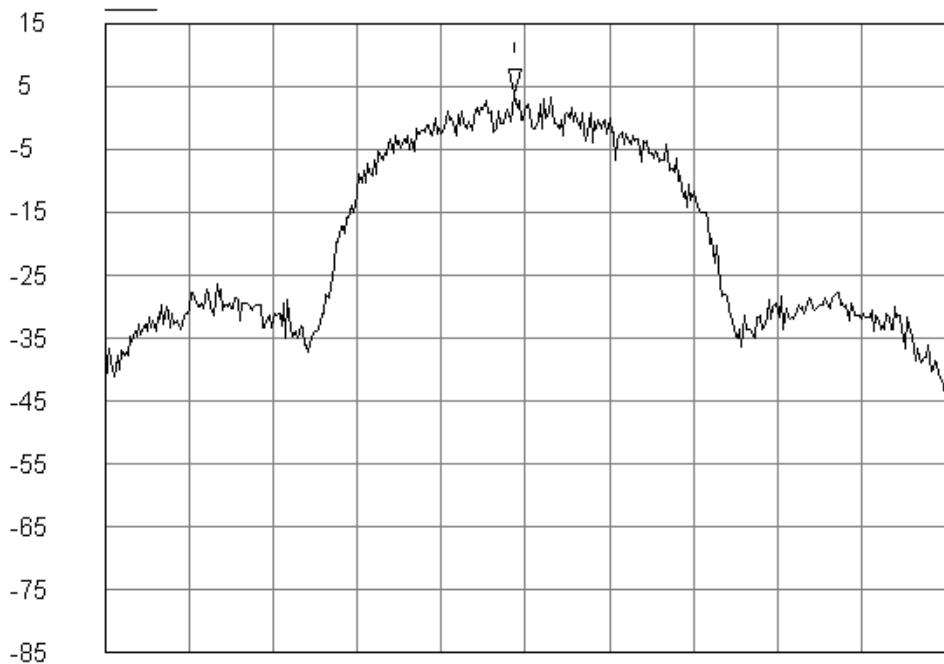
122Plot /



123Plot /

SoftPlot Measurement Presentation

Trace A



Start: 897.000000 MHz

Atten: 0 dB

Stop: 917.000000 MHz

Res BW: 3 kHz

Vid BW: 300 kHz

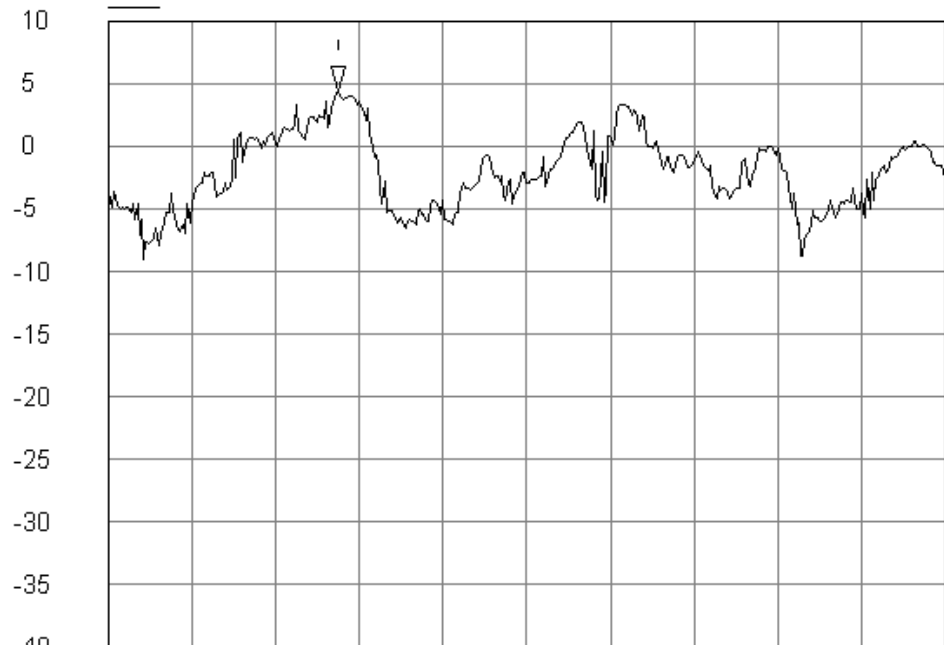
Sweep: 6.67 s

Trace A
906.750000 MHz
3.7200 dBm

124Plot /

SoftPlot Measurement Presentation

Trace A



Start: 906.600000 MHz

Atten: 0 dB

Stop: 906.900000 MHz

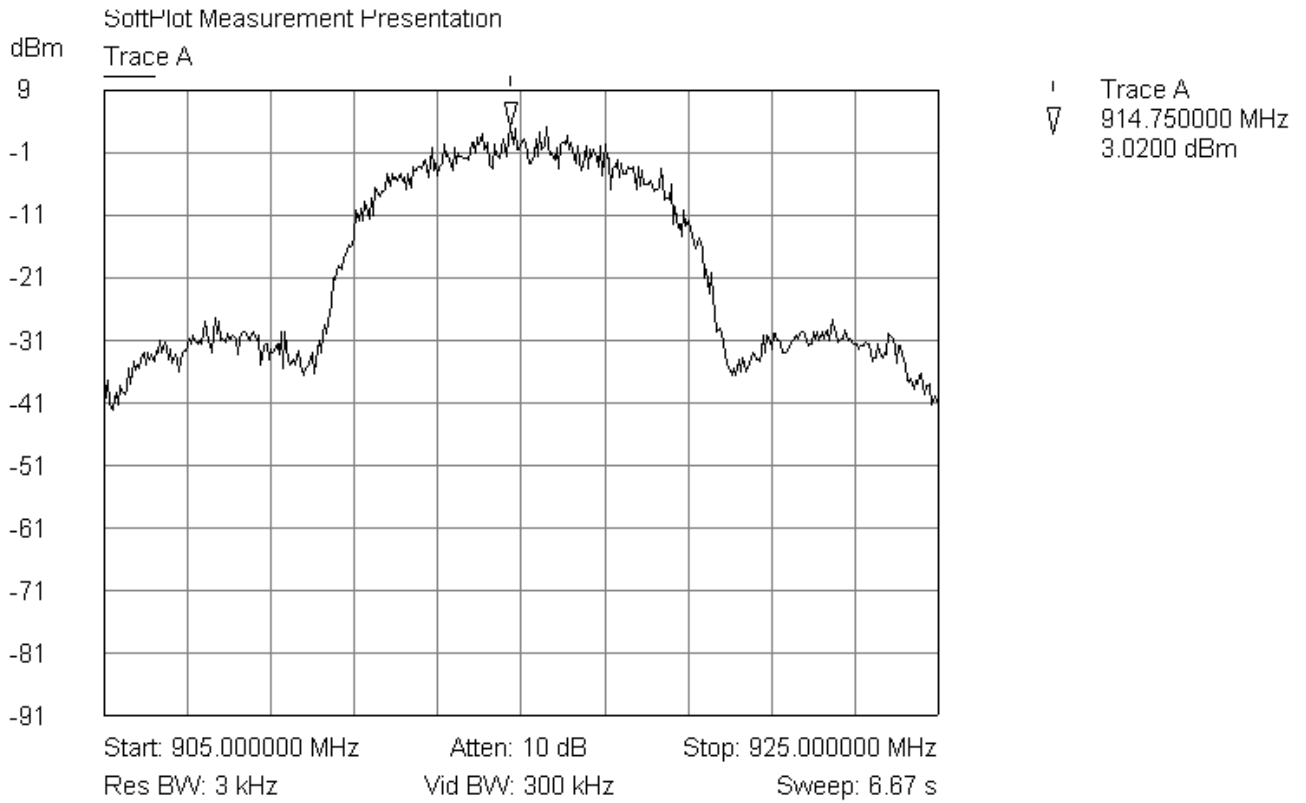
Res BW: 3 kHz

Vid BW: 300 kHz

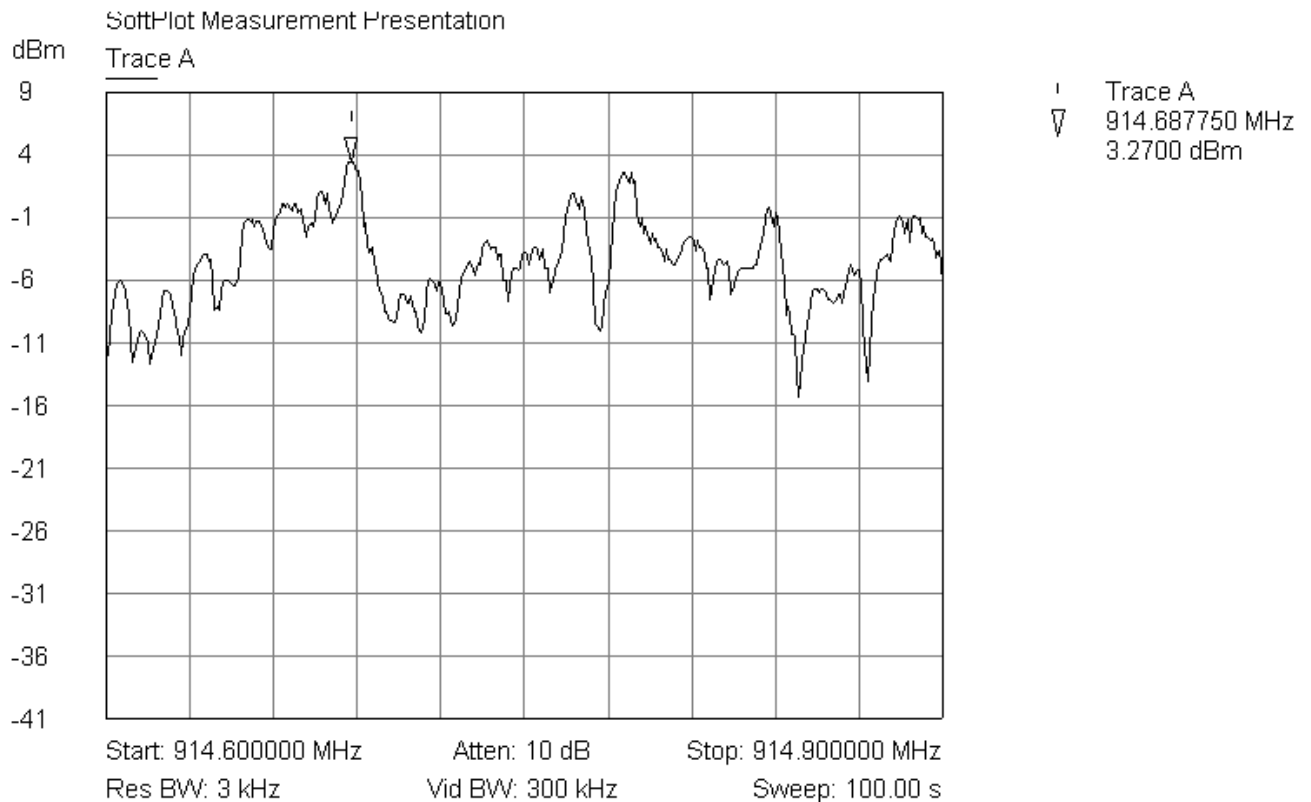
Sweep: 100.00 s

Trace A
906.682500 MHz
4.3400 dBm

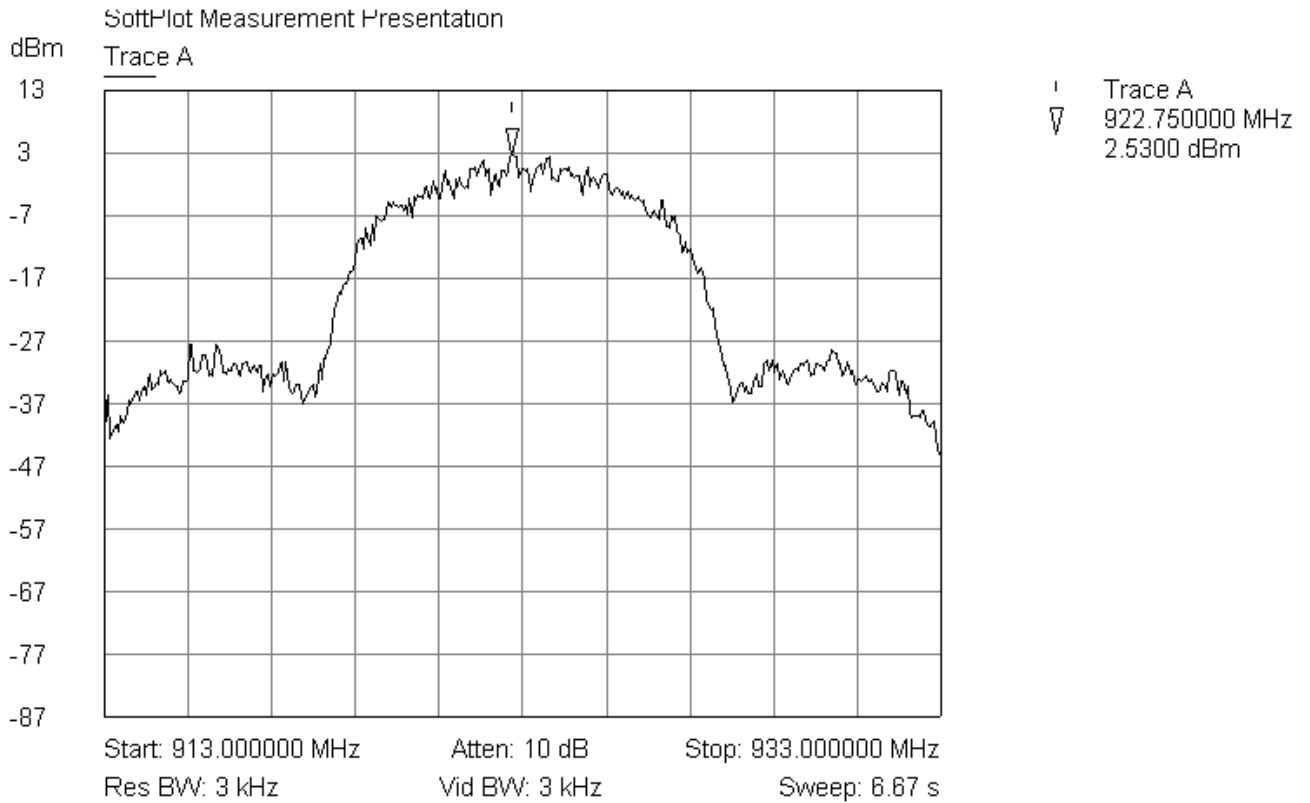
125Plot /



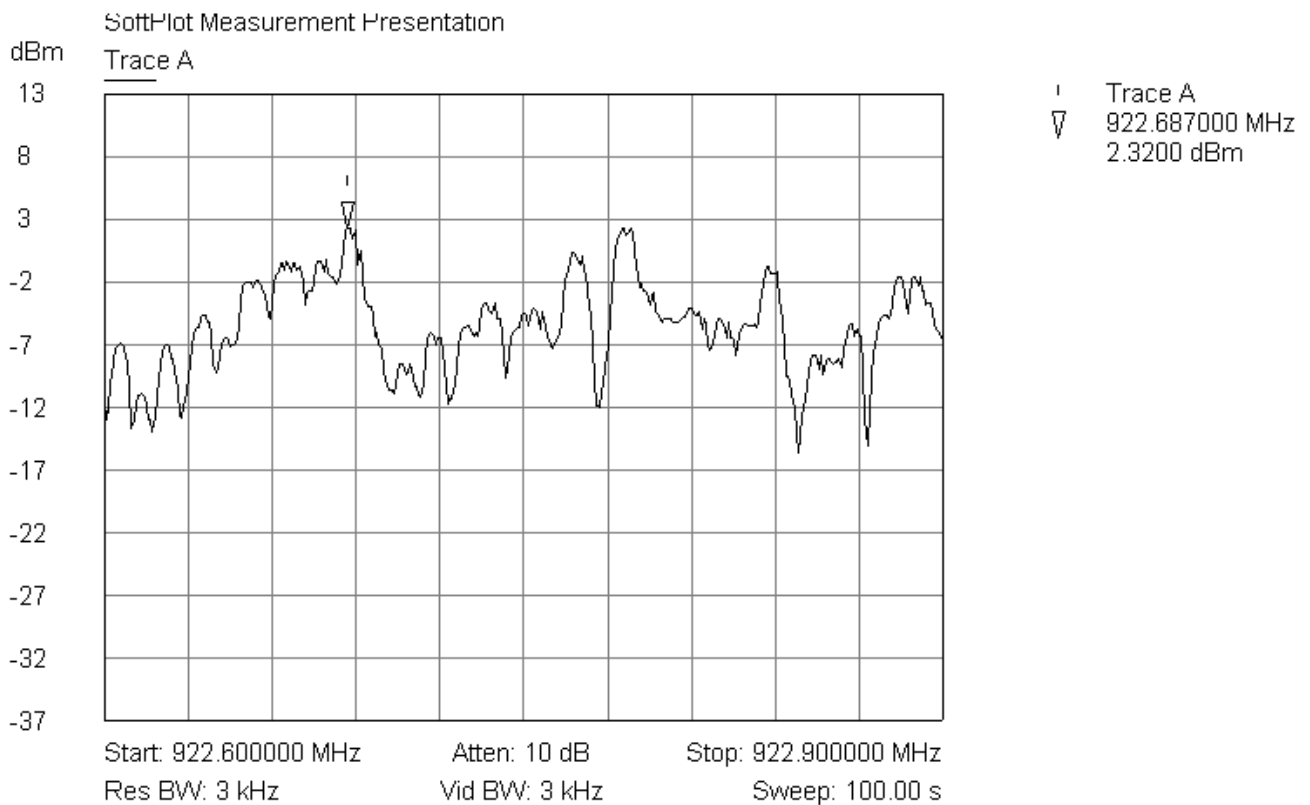
126Plot /



127Plot /



128Plot /



129Plot /

f. Unintentional Radiated Emission Plots

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

Name: WAVEIP

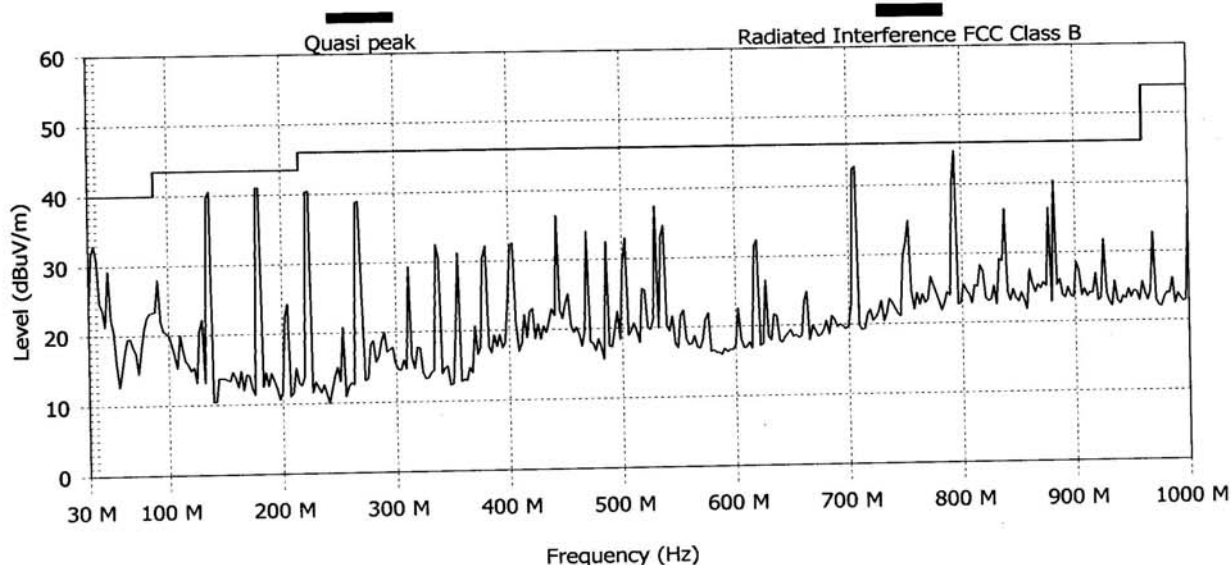
Contact Person: YORAM

Radiated Emission

Description: 88) FCC 30-1000MHz STBY

From 30 MHz to 1000 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV/m)	QP (dBuV/m)	QP Limit (dBuV/m)	QP Diff (dBuV/m)	QP Pass	Pass	Angle (degrees)	Height (m)	H/V
1	34.85	Disc. NB	33.0	22.8	40.0	-17.2	Pass	Pass	180	1.65	V
2	131.989	Cont. NB	39.5	38.0	43.5	-5.5	Pass	Pass	288	1.325	V
3	131.997	Cont. NB	40.3	40.1	43.5	-3.4	Pass	Pass	283	1	V
4	132	Cont. NB	38.2	38.0	43.5	-5.5	Pass	Pass	257	1.325	H
5	180.35	Disc. BB	40.1	27.0	43.5	-16.5	Pass	Pass	72	1.65	H
6	221.575	Disc. BB	39.9	24.9	46.0	-21.1	Pass	Pass	252	1.325	H
7	224	Disc. BB	40.4	25.6	46.0	-20.4	Pass	Pass	216	1	H
8	704.15	Disc. BB	40.8	29.4	46.0	-16.6	Pass	Pass	216	1.65	H
9	706.575	Disc. BB	42.8	31.0	46.0	-15.0	Pass	Pass	216	1.325	H
10	791.45	Disc. BB	40.2	29.3	46.0	-16.7	Pass	Pass	144	1.65	H
11	793.875	Disc. BB	44.8	33.3	46.0	-12.7	Pass	Pass	216	1	H
12	879.993	Cont. NB	40.9	40.2	46.0	-5.8	Pass	Pass	185	1.05	V

Settings:

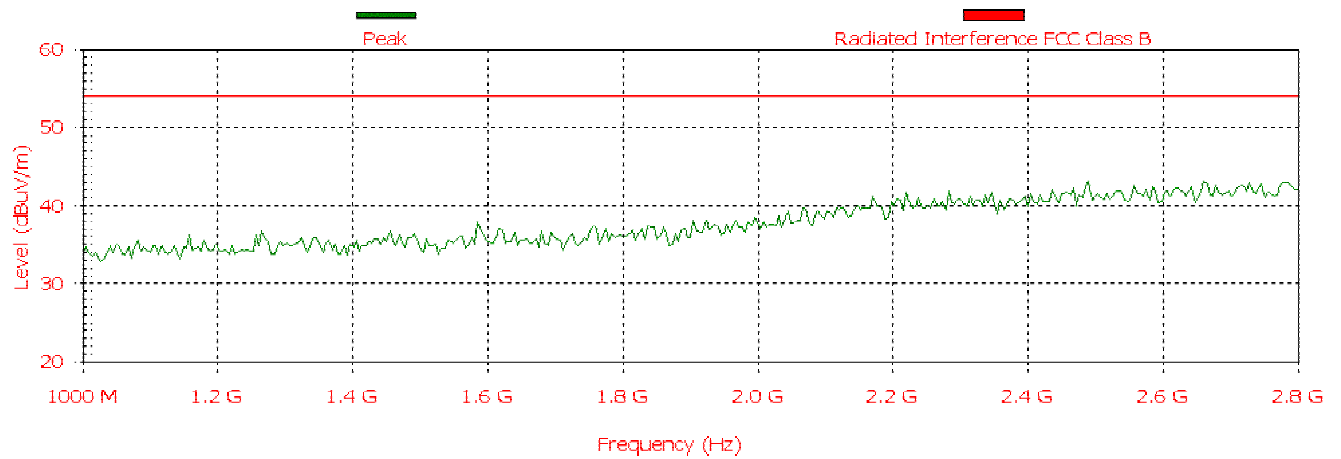
Antenna: Both Polarizations at 3.0 m

Ref. Level: 70.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 202.0830078

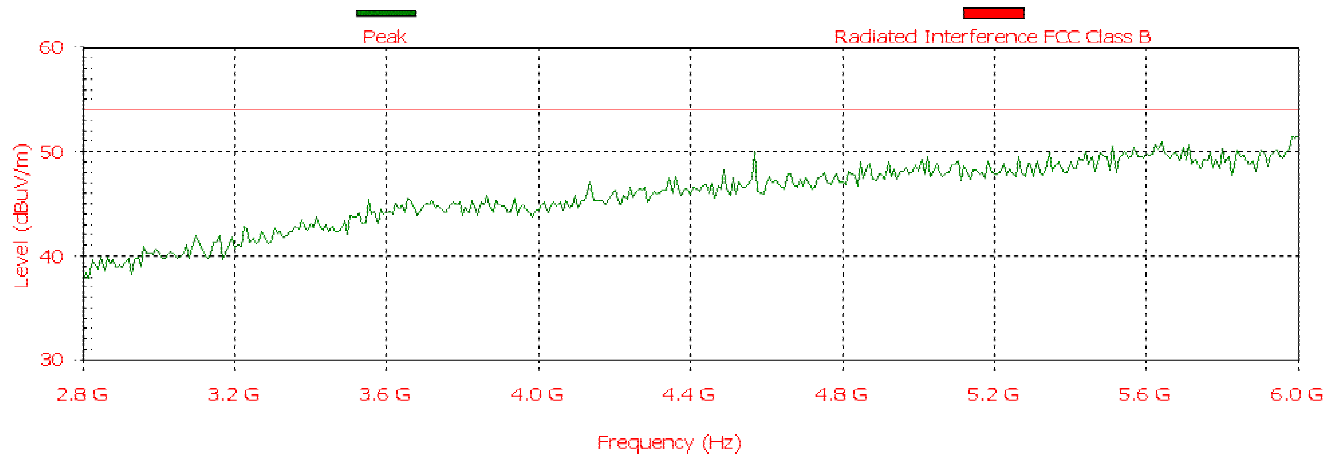
Detect all peaks above 7 dB below the limit lines with a maximum of 15 peaks.

Measure the peaks with the quasi-peak detector

130Plot /



131Plot /



132Plot /

g. **Conducted Emission**

(1) Neutral lead- RBW-9KHz VBW-1000KHz QP Detector

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

Name: WAVEIP

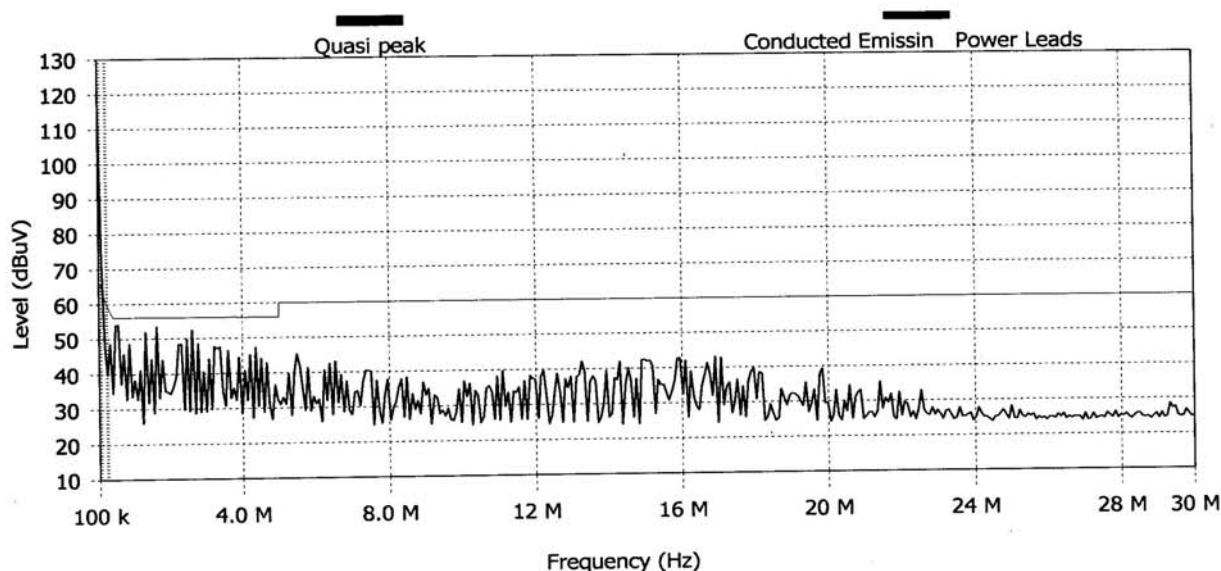
Contact Person: YORAM

Conducted Emission LISN

Description: 79) CE FCC 15.207 150K-30MHz NEUTRAL

From 100 kHz to 30 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV)	QP (dBuV)	QP Limit (dBuV)	QP Diff (dBuV)	QP Pass	Pass	Line
1	.1	Cont. BB	115.4	103.6	66.0	37.6	Fail	Fail	Neutral
2	.628	Cont. BB	53.7	53.2	56.0	-2.8	Pass	Pass	Neutral
3	1.41	Cont. BB	55.0	54.2	56.0	-1.8	Pass	Pass	Neutral
4	1.575	Cont. BB	54.8	53.8	56.0	-2.2	Pass	Pass	Neutral
5	2.489	Cont. BB	54.5	53.4	56.0	-2.6	Pass	Pass	Neutral

Settings:

Ref. Level: 80.0 dBuV Att: 0 dB. RBW: 9 kHz. VBW: 1000 kHz. Sweep time: 1107.4069824218

Detect all peaks above 6 dB, below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

Note:

(2) Phase lead- RBW-9KHz VBW-1000KHz QP Detector

EUT File:

N:\COMMON\WAVE-IP-n\GigaAccess-900-RSU\RSU-A.EUT

Order Number:

EUT

Name: RSU Mode A

Serial Number: 0050C21CC435

Client

Name: WAVEIP

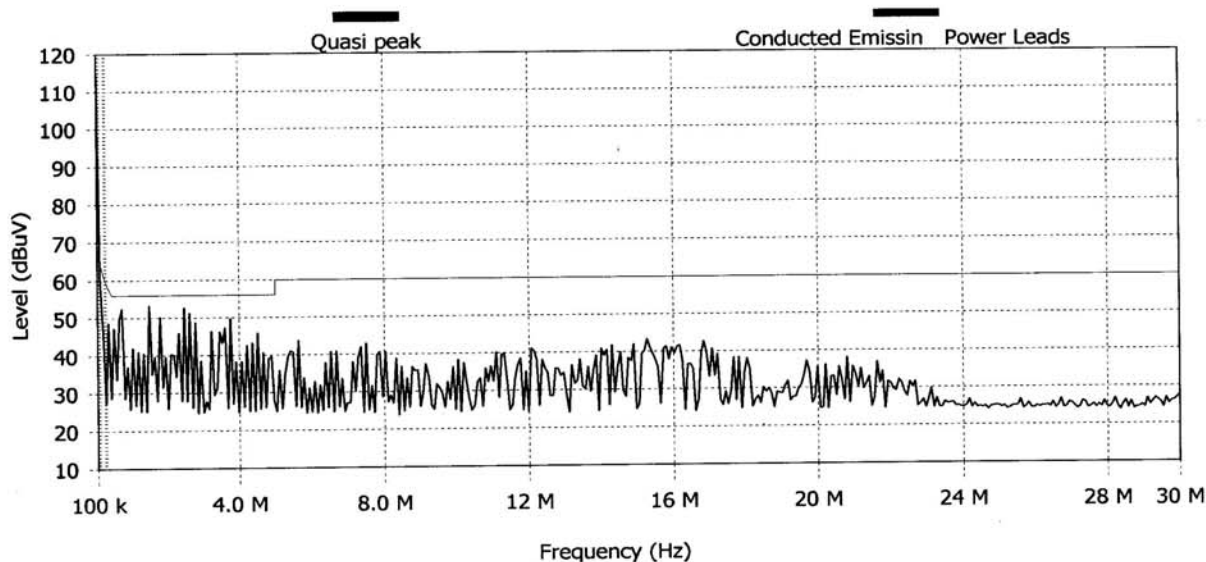
Contact Person: YORAM

Conducted Emission LISN

Description: 80) CE FCC 15.207 150K-30MHz PHASE

From 100 kHz to 30 MHz

Graph:



Detected Peaks:

Nr	Frequency (MHz)	Type	PK (dBuV)	QP (dBuV)	QP Limit (dBuV)	QP Diff (dBuV)	QP Pass	Pass	Line
1	.1	Cont. BB	114.6	101.1	66.0	35.1	Fail	Fail	Line 1
2	.631	Cont. BB	53.4	52.6	56.0	-3.4	Pass	Pass	Line 1
3	1.42	Cont. BB	54.2	53.7	56.0	-2.3	Pass	Pass	Line 1
4	1.577	Cont. BB	53.8	53.2	56.0	-2.8	Pass	Pass	Line 1
5	2.359	Cont. BB	54.5	53.9	56.0	-2.1	Pass	Pass	Line 1
6	2.51	Cont. BB	55.2	54.2	56.0	-1.8	Pass	Pass	Line 1

Settings:

Ref. Level: 80.0 dBuV Att: 0 dB. RBW: 9 kHz. VBW: 1000 kHz. Sweep time: 1107.4069824218

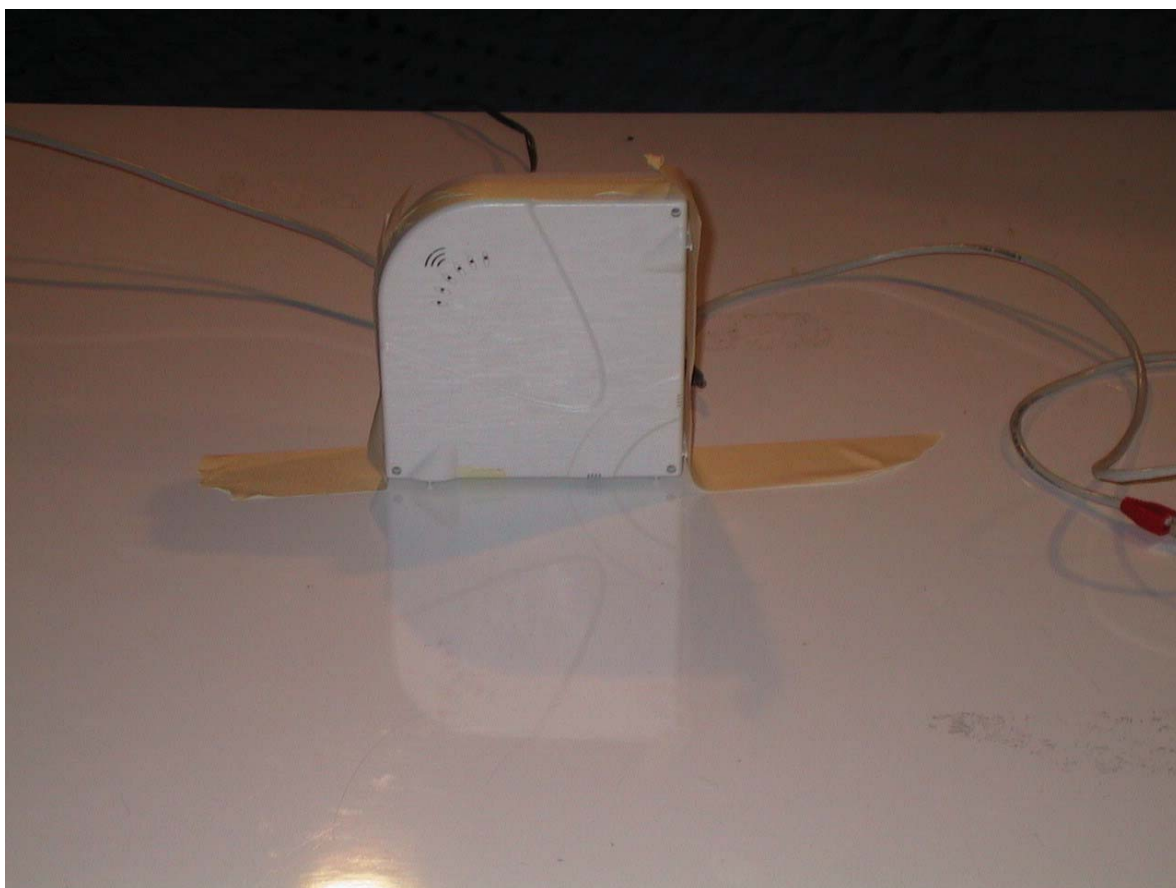
Detect all peaks above 6 dB, below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

Note:

134Plot /

12 PICTURES





13 CORRECTION FACTORS

Correction Factor for **line impedance stabilization network** model DC-AC-20A-01

Frequency (KHz)	Correction Factor (dB)
10	4.4
20	1.6
30	0.8
40	0.4
50	0.3
60	0.25
70	0.15
100	0.1
200	0

DOUBLE RIDGE HORN Model 3105 S/N:00-50C2-1C-C435 2052 Antenna Factor

Frequency (MHz)	Ant. Factor (dB/m)
1000	24.4
2000	26.2
3000	30
4000	32.6
5000	33.8
6000	34.9
7000	36.2
8000	36.9
9000	37.8
10000	38.4
11000	39.1
12000	40.1
13000	42
14000	40.6
15000	39.3
16000	40.3

Antenna Factor for broadband antenna model BTA-L S/N:00-50C2-1C-C435 980045L

Frequency (KHz)	Ant. Factor (dB/m)	Frequency (KHz)	Ant. Factor (dB/m)
30	19.05	300	14.35
32	19.13	310	14.28
34	18.74	320	14.43
36	18.03	330	14.13
38	16.61	340	14.48
40	15.44	350	14.89
45	13.66	360	15.12
50	11.52	370	15.70
55	10.04	380	15.78
60	7.68	390	16.22
65	6.11	400	16.45
70	5.47	425	16.99
75	5.98	450	17.59
80	6.86	475	17.28
85	7.20	500	17.69
90	7.47	525	18.91
95	7.23	550	19.06
100	7.20	575	18.20
105	7.30	600	18.87
110	7.37	625	18.81
115	7.02	650	19.64
120	6.82	675	19.92
125	7.05	700	20.66
130	7.83	725	21.08
135	9.61	750	21.53
140	7.93	775	22.39
145	8.03	800	22.66
150	8.29	825	22.87
160	8.72	850	22.65
170	9.18	875	23.12
180	9.05	900	23.70
190	9.80	925	23.40
200	10.61	950	23.43
210	10.34	975	23.30
220	11.21	1000	24.02
230	11.69		
240	11.62		
250	11.85		
260	12.45		
270	13.16		
280	13.48		
290	13.74		

14 Abbreviations and Acronyms

The following abbreviations and acronyms are applicable in this document

BW	Bandwidth
dB	Decibel
EMI	Electromagnetic interference
E.U.T	Equipment under test
LISN	Line impedance stabilization network
RBW	Resolution bandwidth
S/N	Serial number
VBW	Video bandwidth