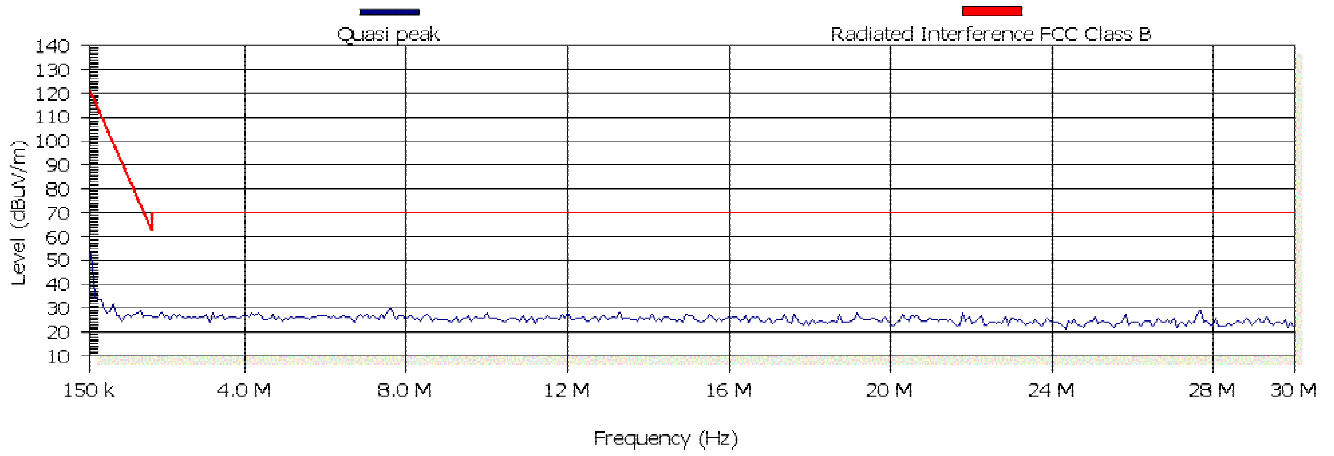


Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



Plot / 199

EUT File:

N:\COMMON\WAVE-IP-n\GigAccess900H\Mode 900A-continue.EUT

Order Number:

EUT

Name: GigAccess 900 mode A

Serial Number:

Client

Name: WAVEIP

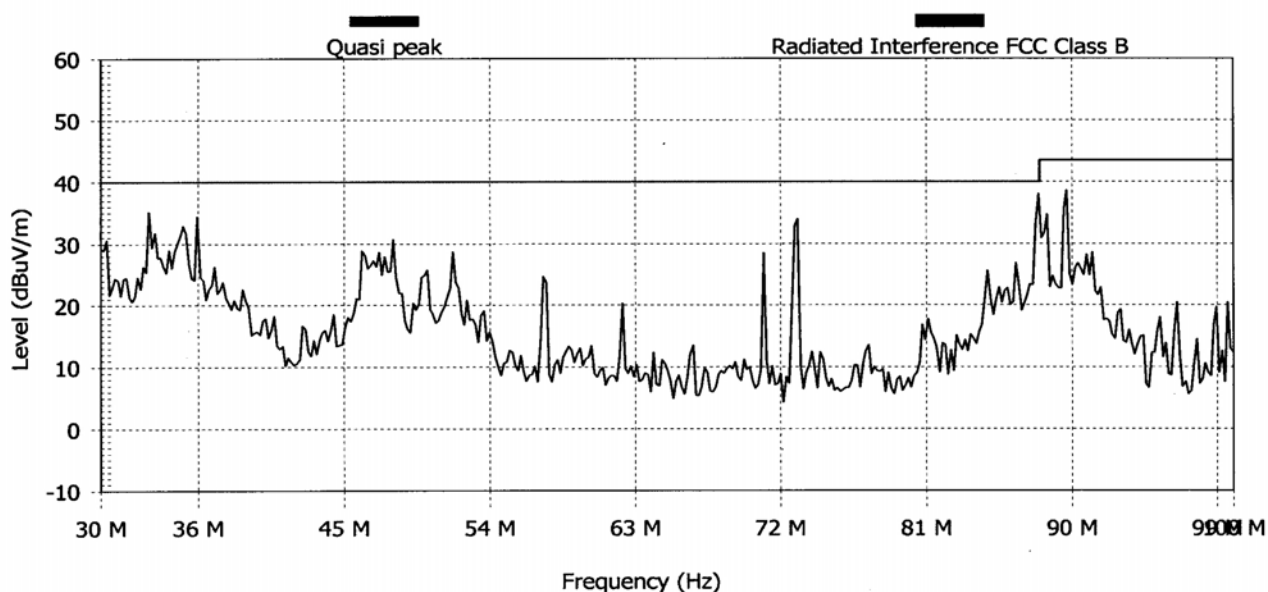
Contact Person: Yoram Singer

Radiated Emission

Description: 12) FCC 15.205 RESTRICTED 30-100MHz 907 8dbi omni

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	73.05	Disc. BB	34.0	22.2	40.0	-17.8	Pass	Pass	300	1	V
2	32.975	Cont. BB	35.2	26.7	40.0	-13.3	Pass	Pass	240	1.65	H
3	35.028	Disc. BB	33.7	32.7	40.0	-7.3	Pass	Pass	180	1.65	V
4	35.95	Disc. BB	34.4	26.5	40.0	-13.5	Pass	Pass	0	1.65	H
5	88.004	Disc. NB	38.7	38.1	43.5	-5.4	Pass	Pass	240	1	V
6	89.695	Disc. NB	38.9	38.6	43.5	-4.9	Pass	Pass	240	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

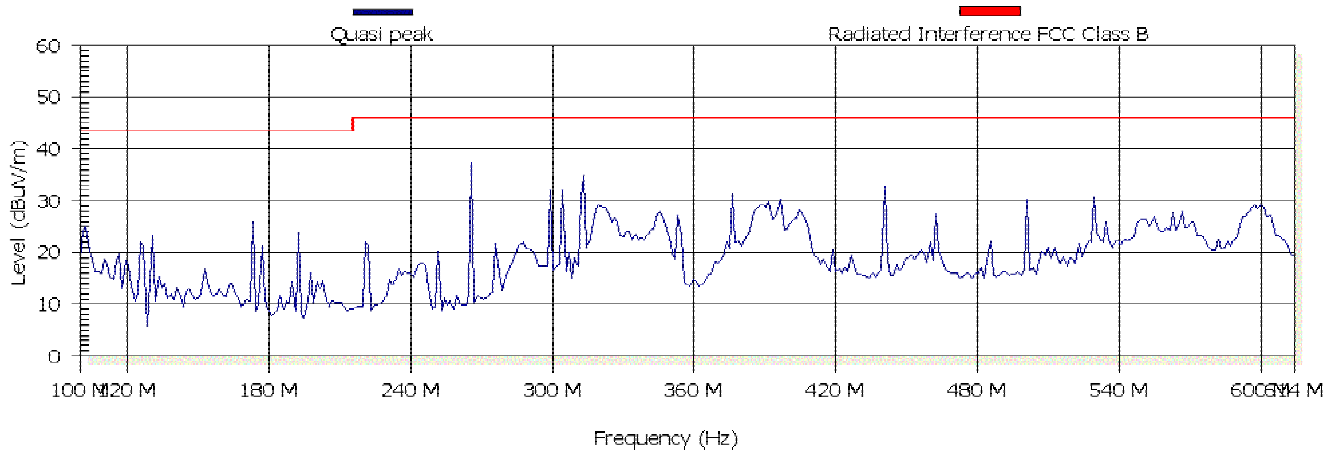
Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 8 dB below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

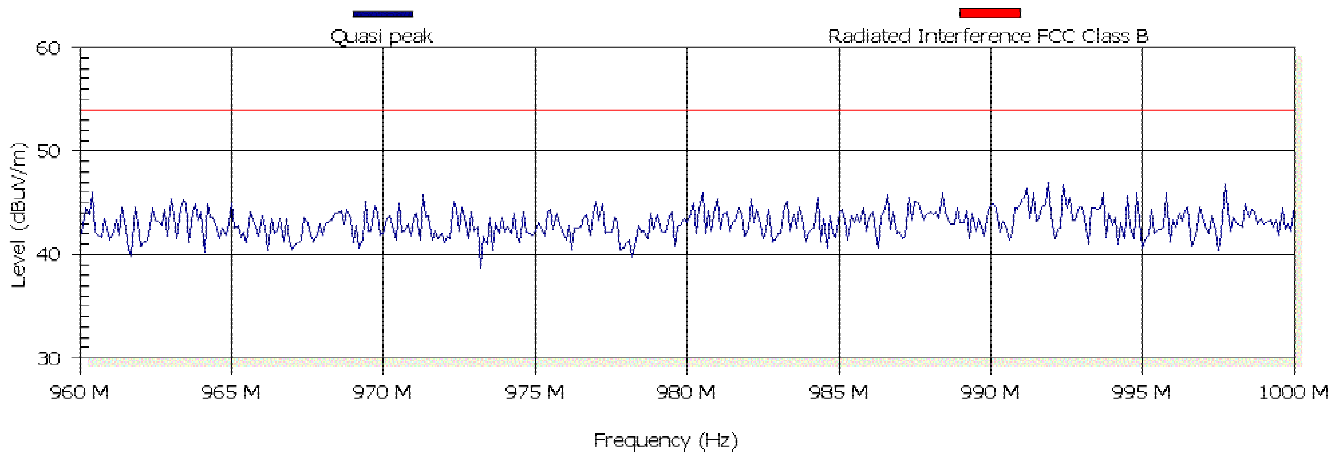
Note:

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



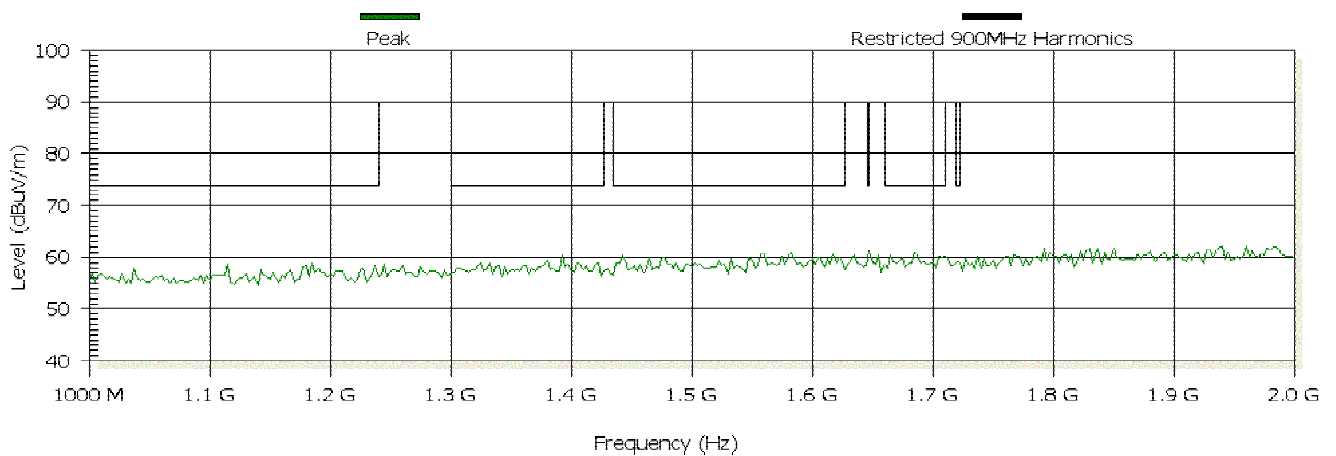
Plot / 201

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



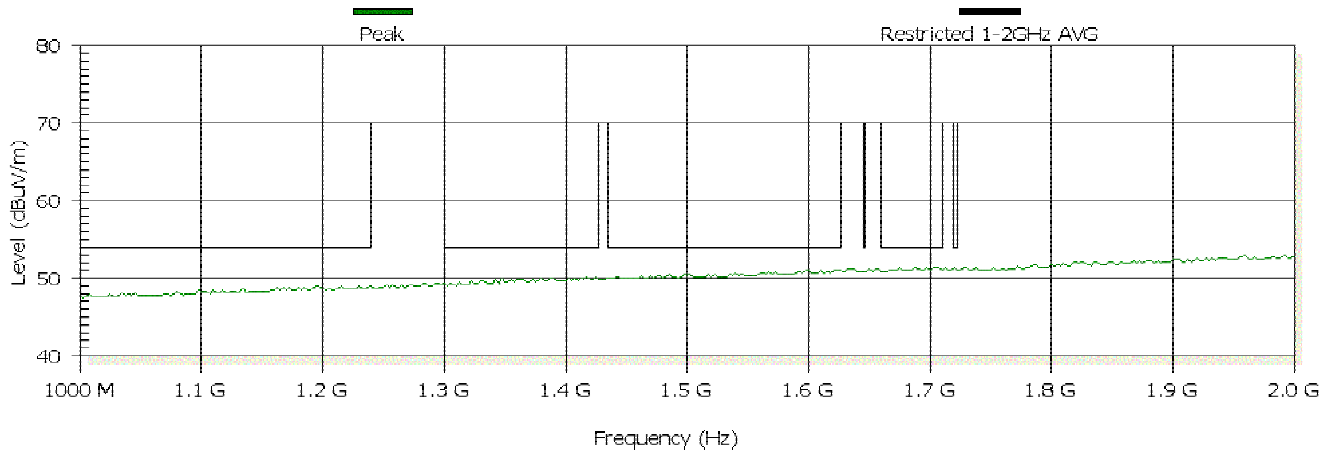
Plot / 202

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



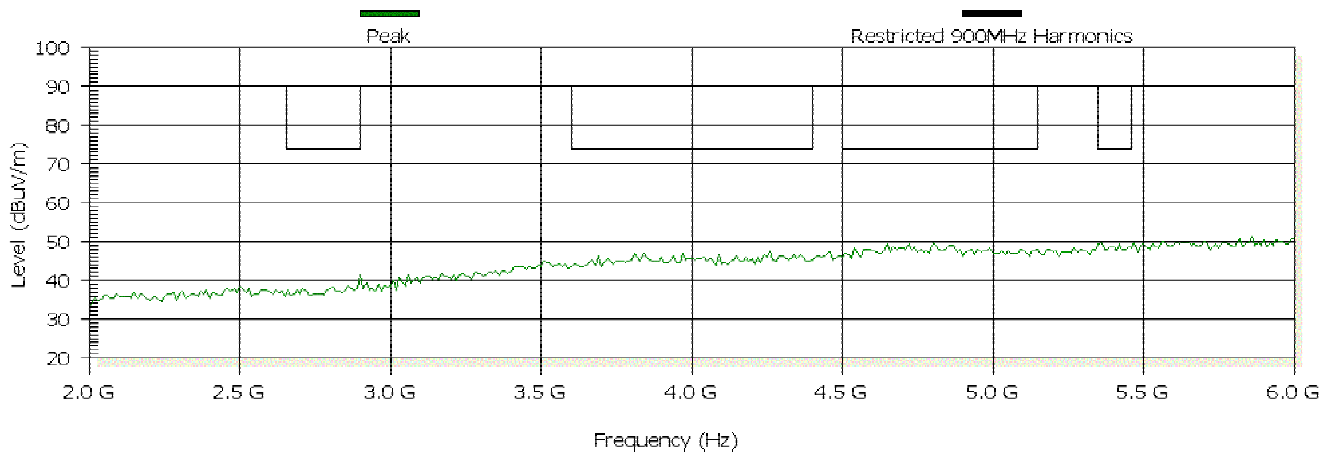
Plot / 203

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



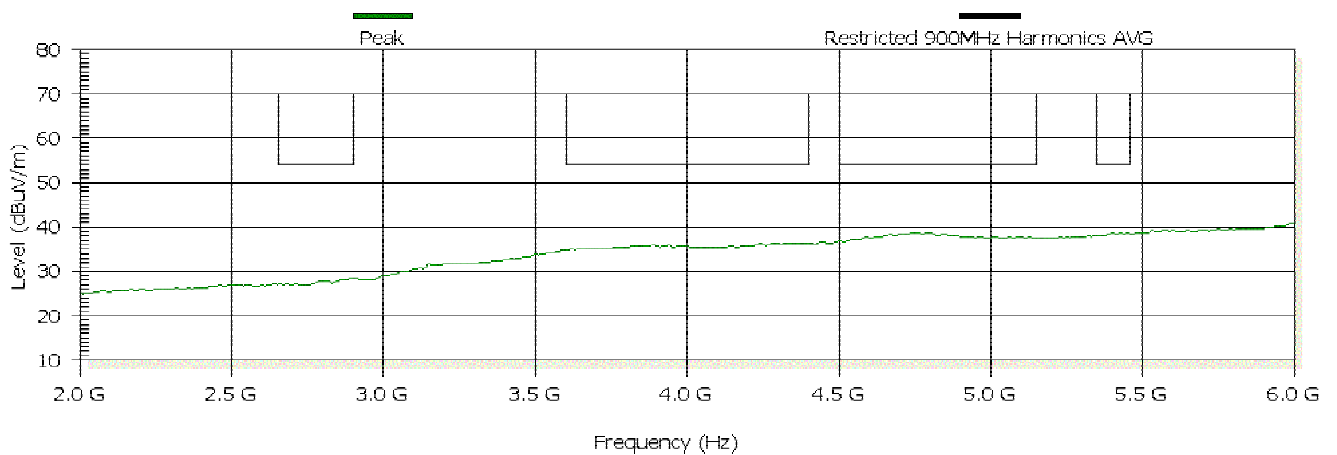
Plot / 204

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



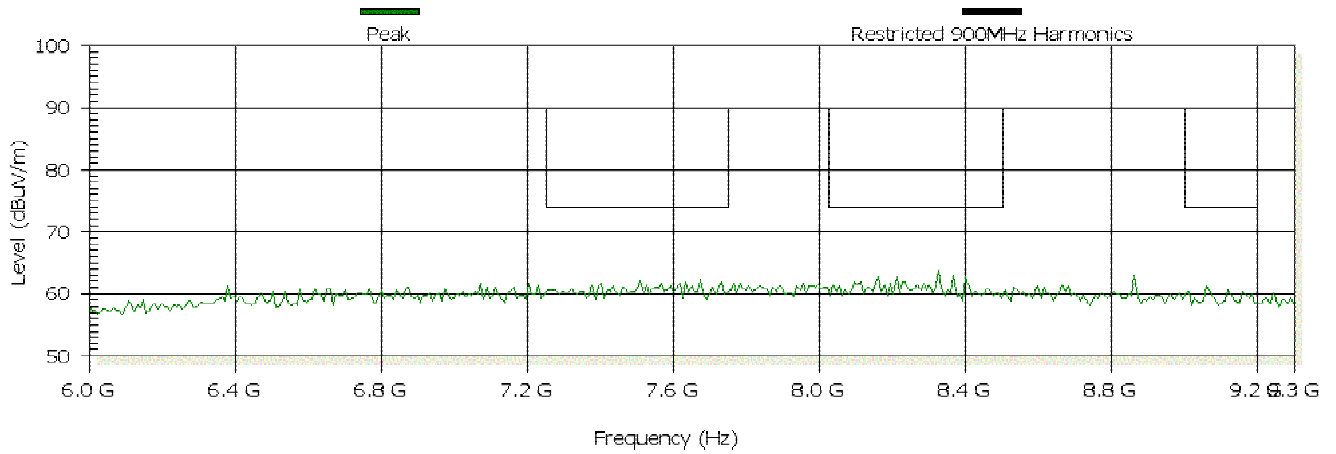
Plot / 205

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

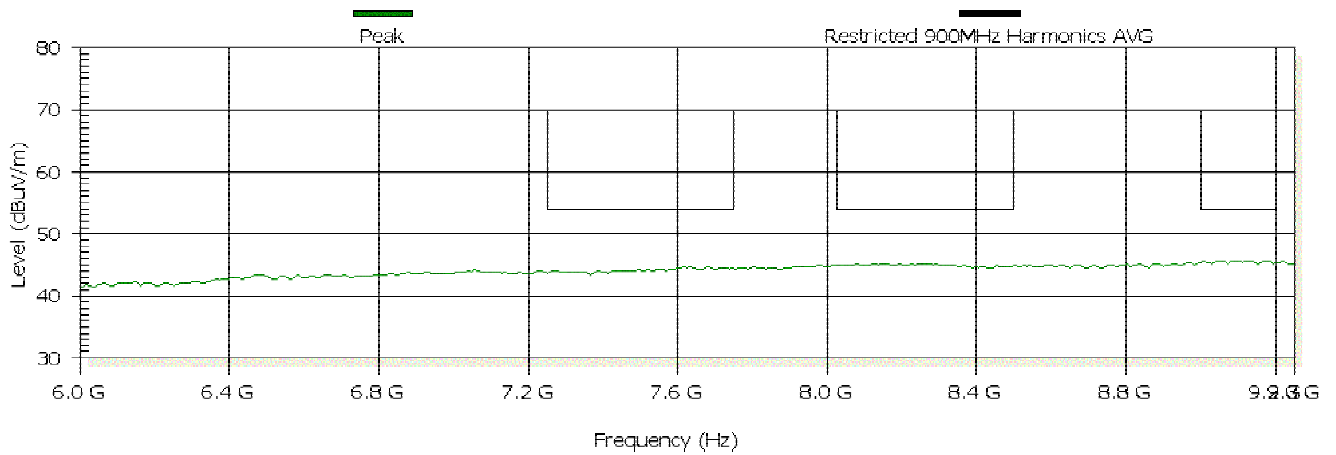


Plot / 206

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

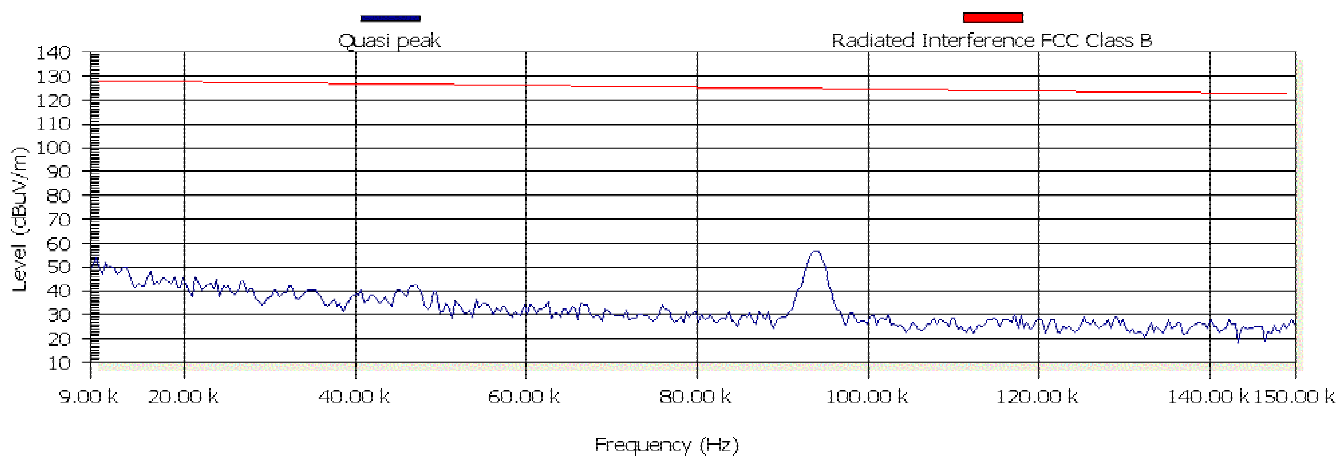


Analyzer setting: RBW-10KHz, VBW-3MHz, average



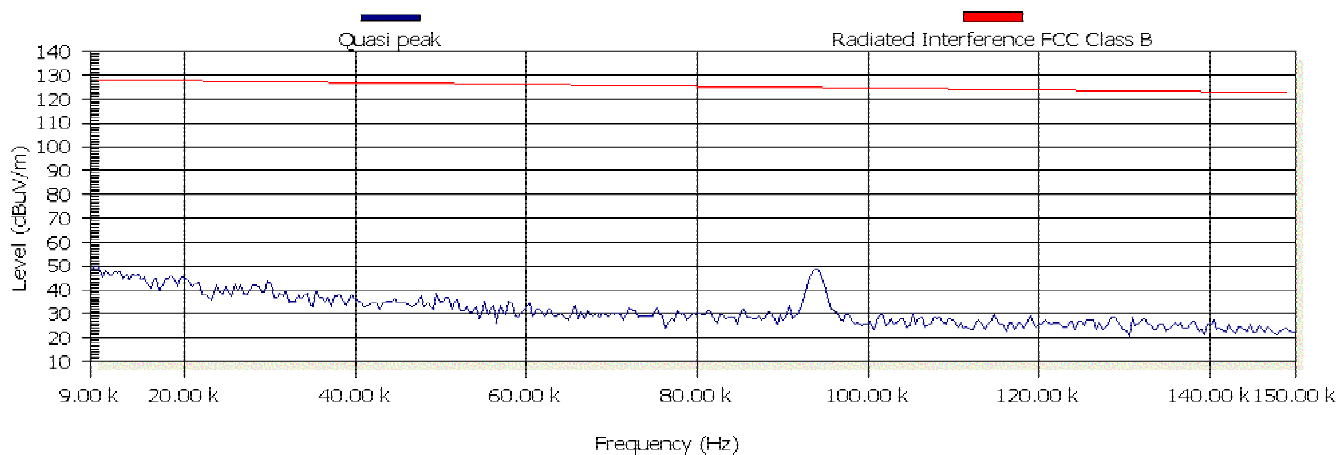
(15) Transmit Frequency 915MHz for 8dbi sq extern GA_900A mode

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



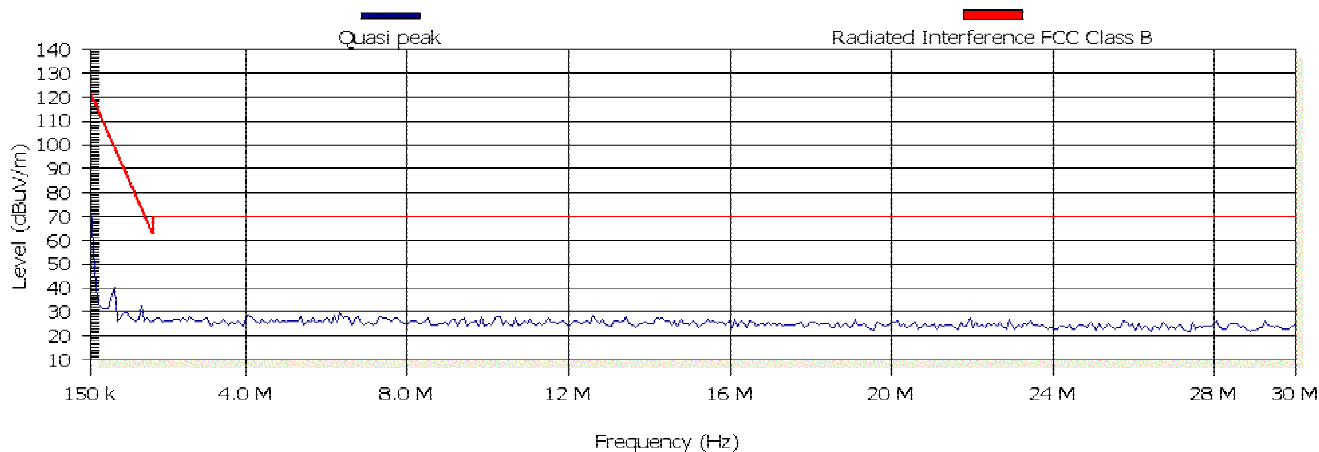
Plot / 209

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



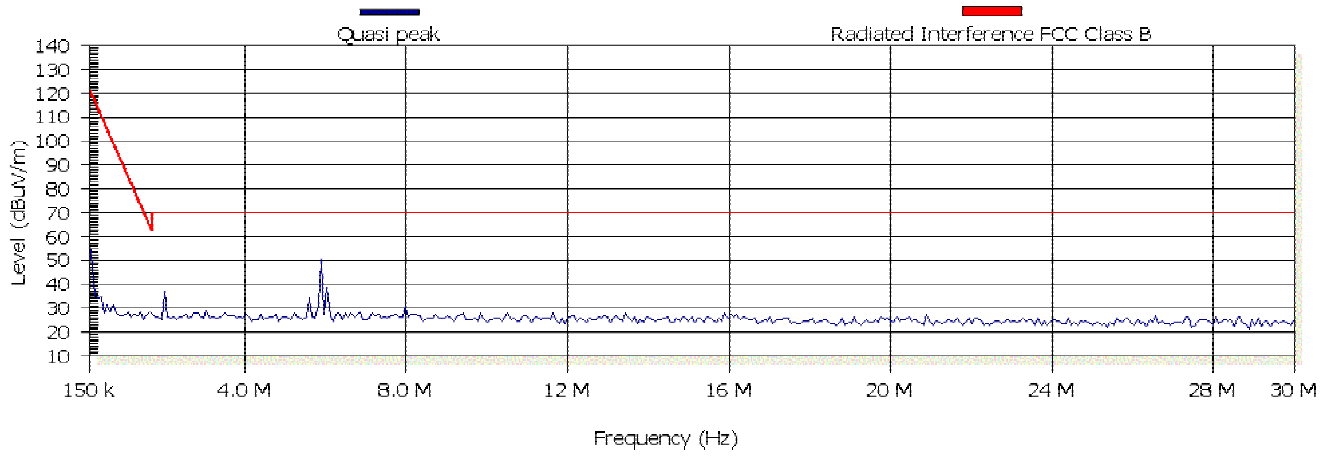
Plot / 210

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



Plot / 211

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



Plot / 212

EUT File:

N:\COMMON\WAVE-IP-n\GigAccess900H\Mode 900A-continue.EUT

Order Number:

EUT

Name: GigAccess 900 mode A

Serial Number:

Client

Name: WAVEIP

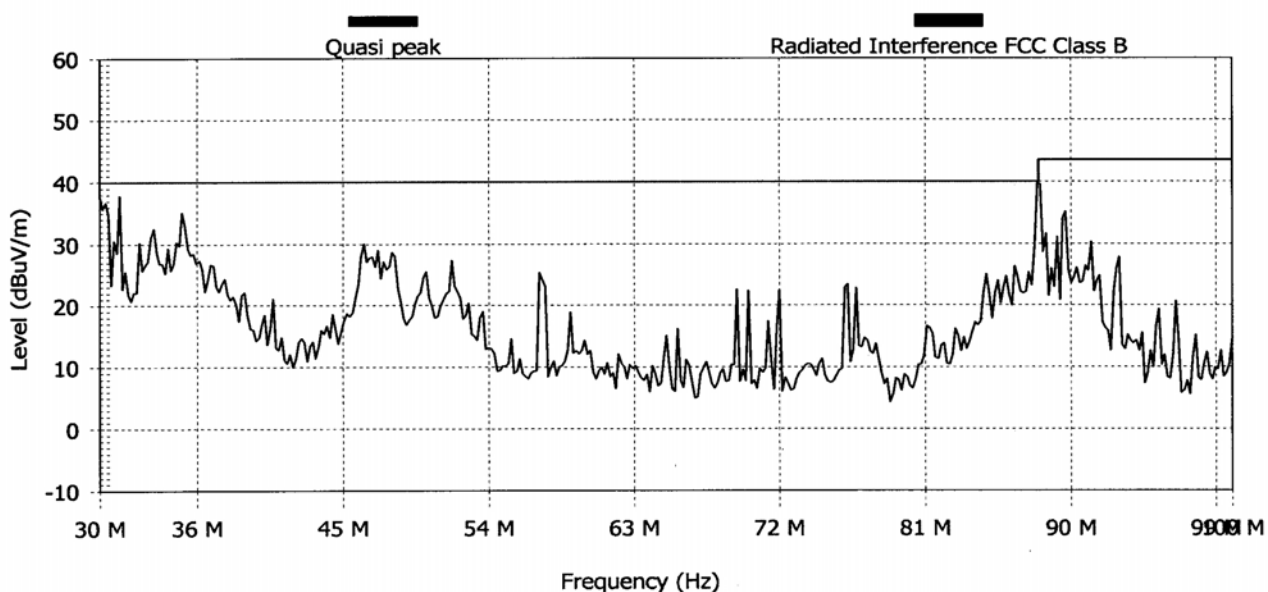
Contact Person: Yoram Singer

Radiated Emission

Description: 10) FCC 15.205 RESTRICTED 30-100MHz 915 8dbi omni

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	30.38	Disc. BB	34.9	25.6	40.0	-14.4	Pass	Pass	300	1	V
2	30	Cont. NB	37.7	28.8	40.0	-11.2	Pass	Pass	240	1.65	V
3	31.225	Cont. BB	37.9	28.4	40.0	-11.6	Pass	Pass	300	1	V
4	34.899	Disc. BB	39.2	29.3	40.0	-10.7	Pass	Pass	240	1.65	V
5	88.027	Cont. NB	38.2	38.0	43.5	-5.5	Pass	Pass	180	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

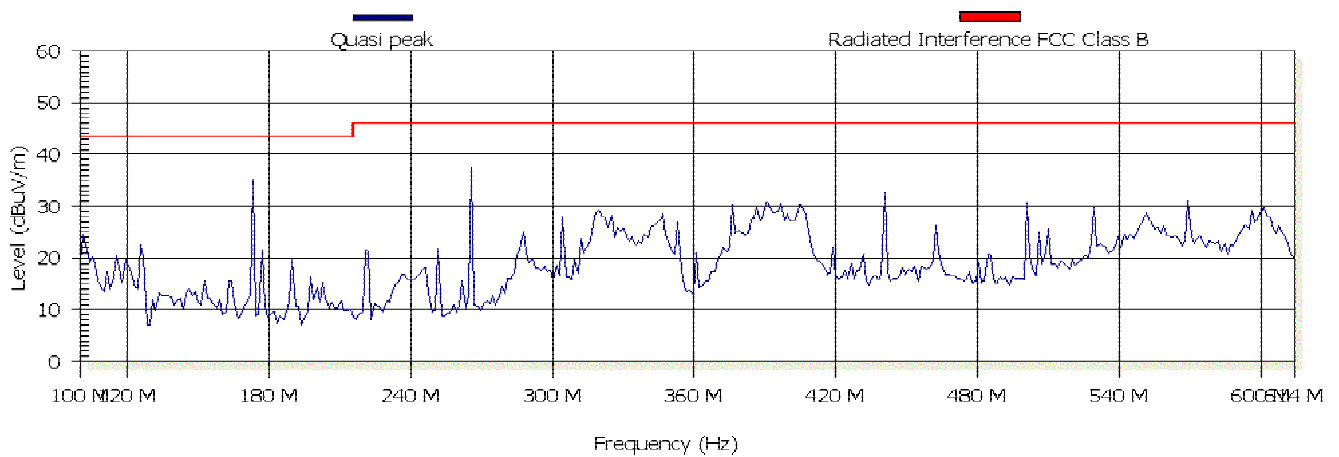
Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 8 dB below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

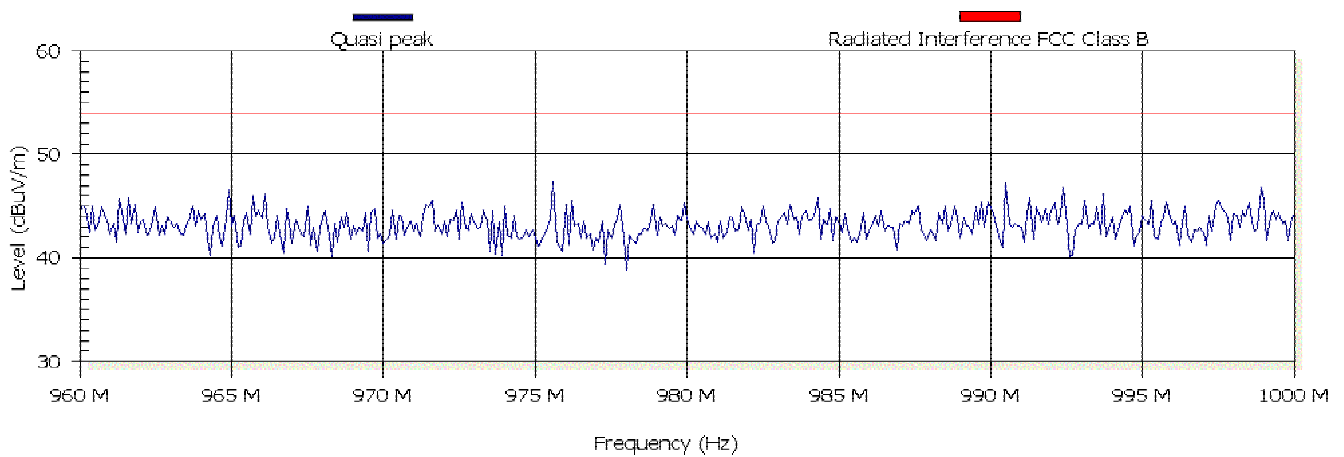
Note:

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



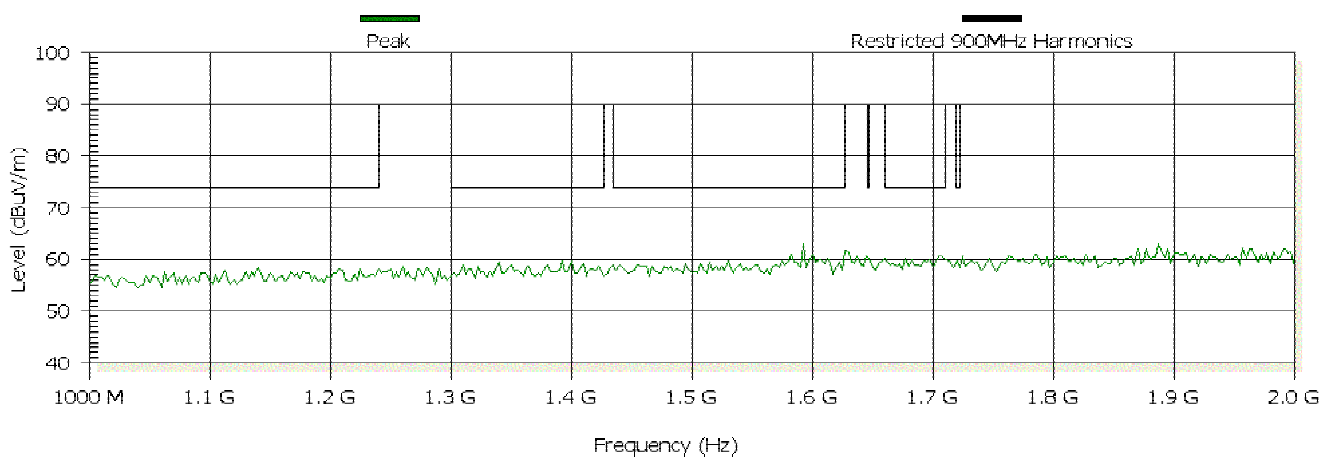
Plot / 214

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



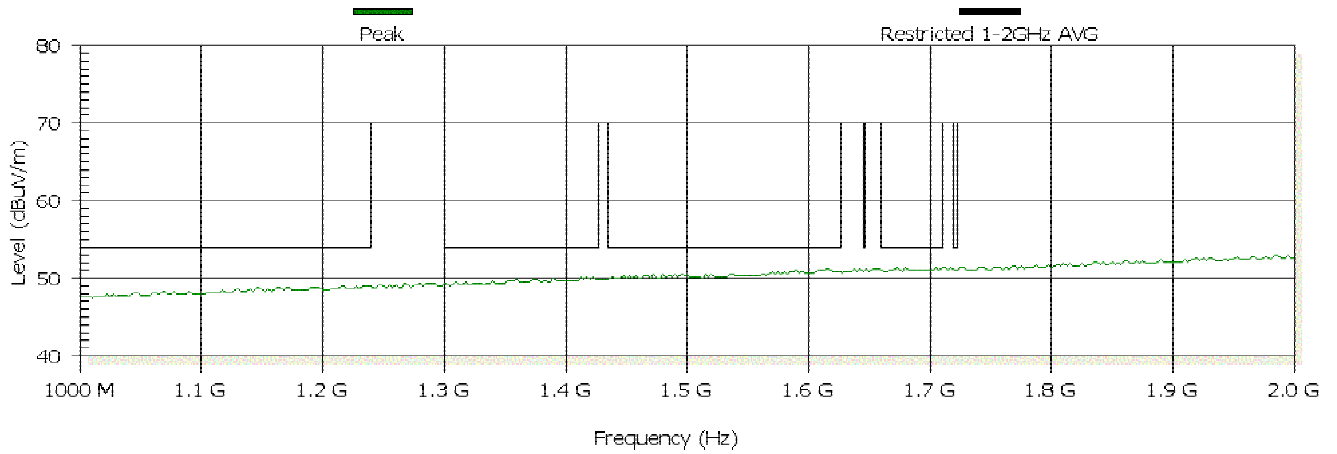
Plot / 215

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



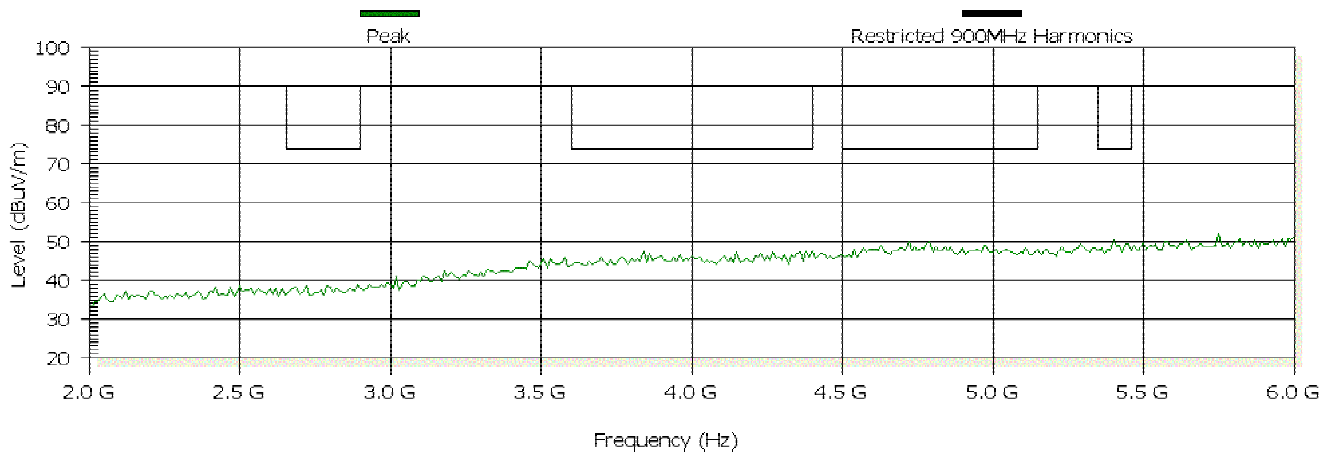
Plot / 216

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



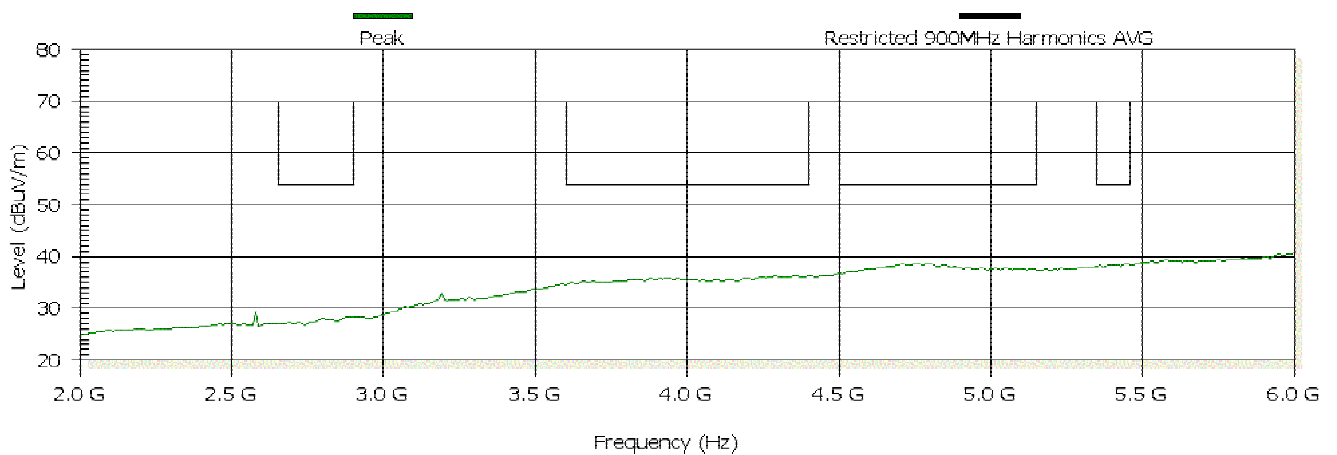
Plot /217

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



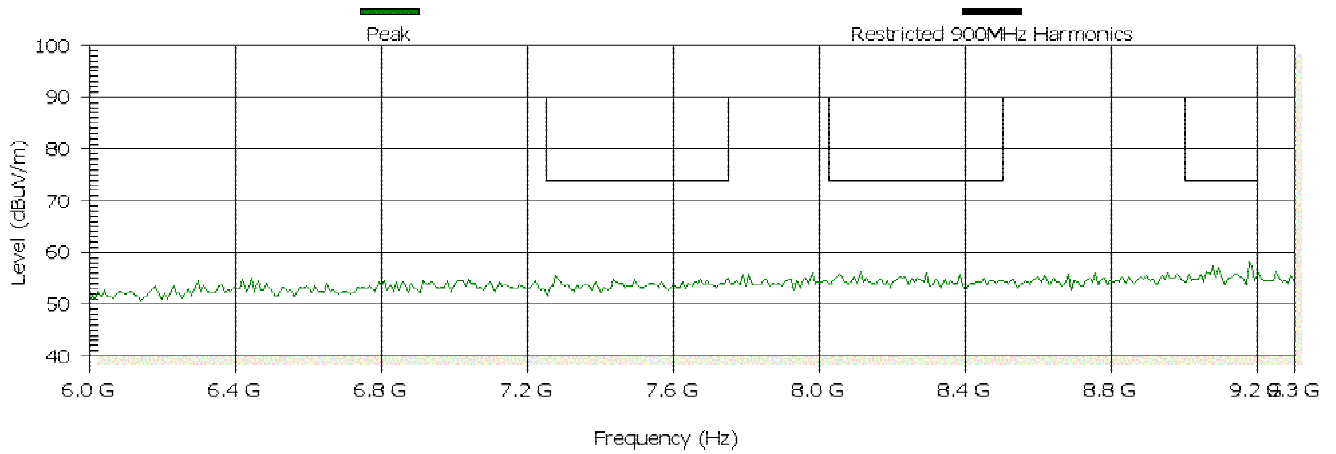
Plot / 218

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



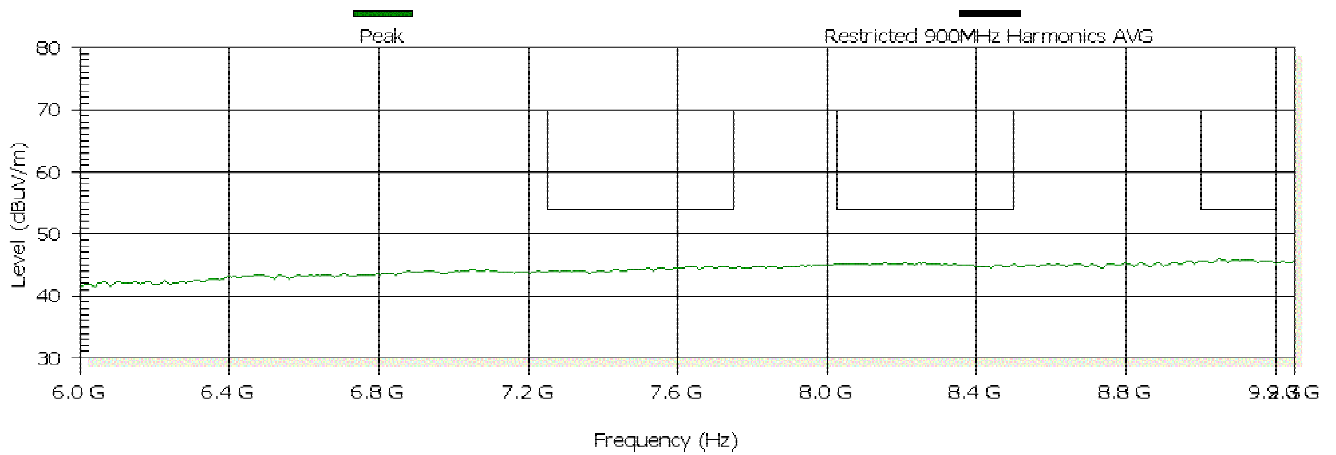
Plot / 219

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



Plot / 220

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

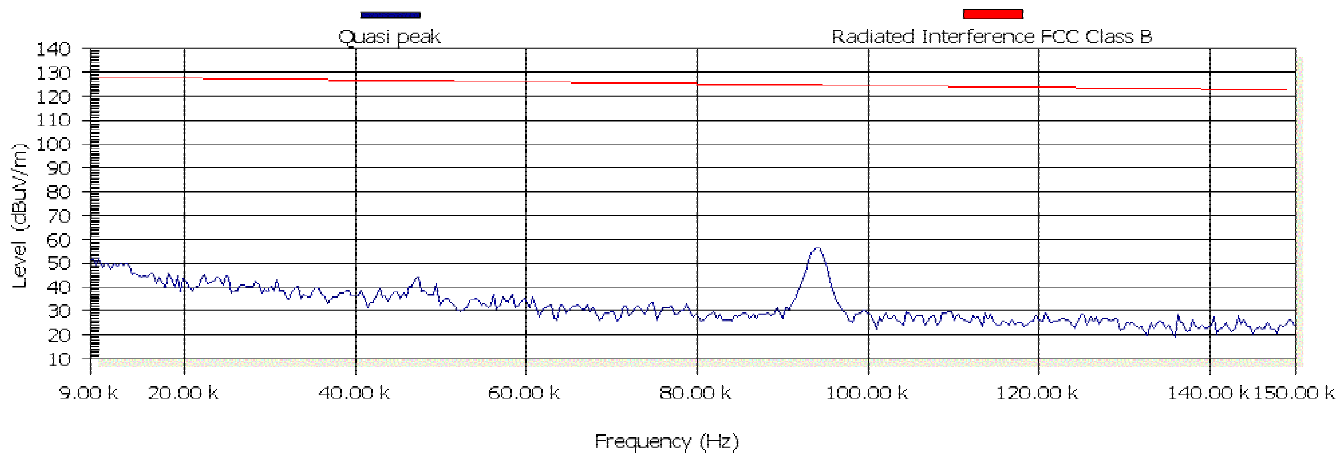


Plot / 221

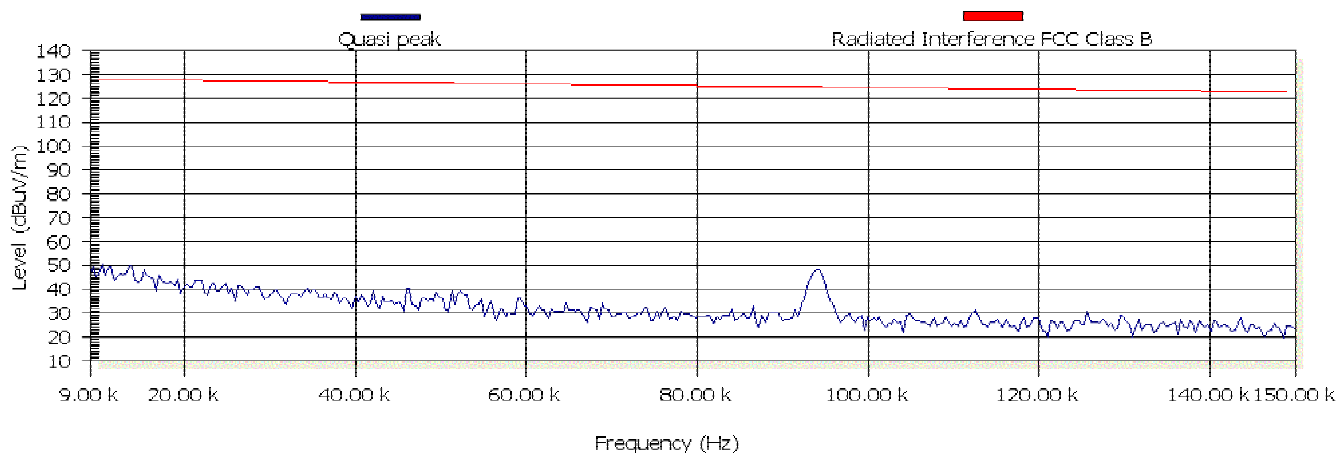
(16)

(17) Transmit Frequency 923MHz for 8dbi sq extern GA_900A mode

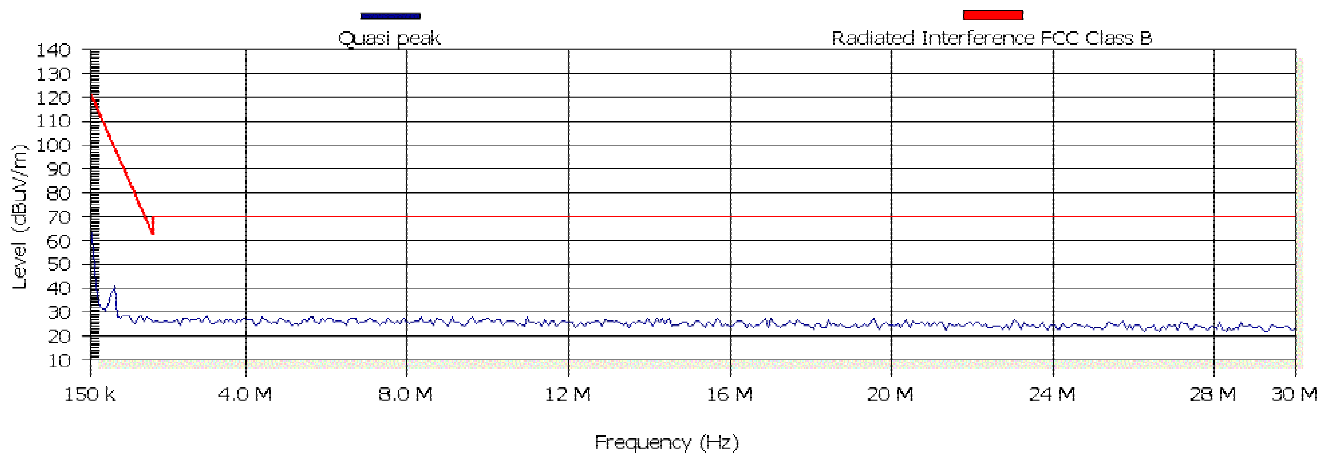
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



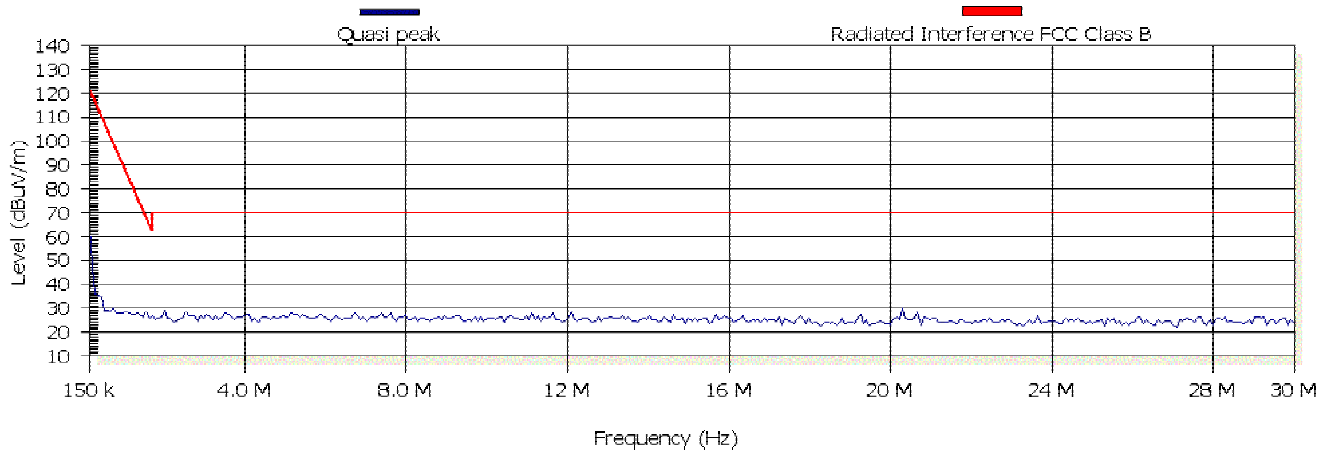
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



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



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



Plot / 225

EUT File:

N:\COMMON\WAVE-IP-n\GigAccess900H\Mode 900A-continue.EUT

Order Number:

EUT

Name: GigAccess 900 mode A

Serial Number:

Client

Name: WAVEIP

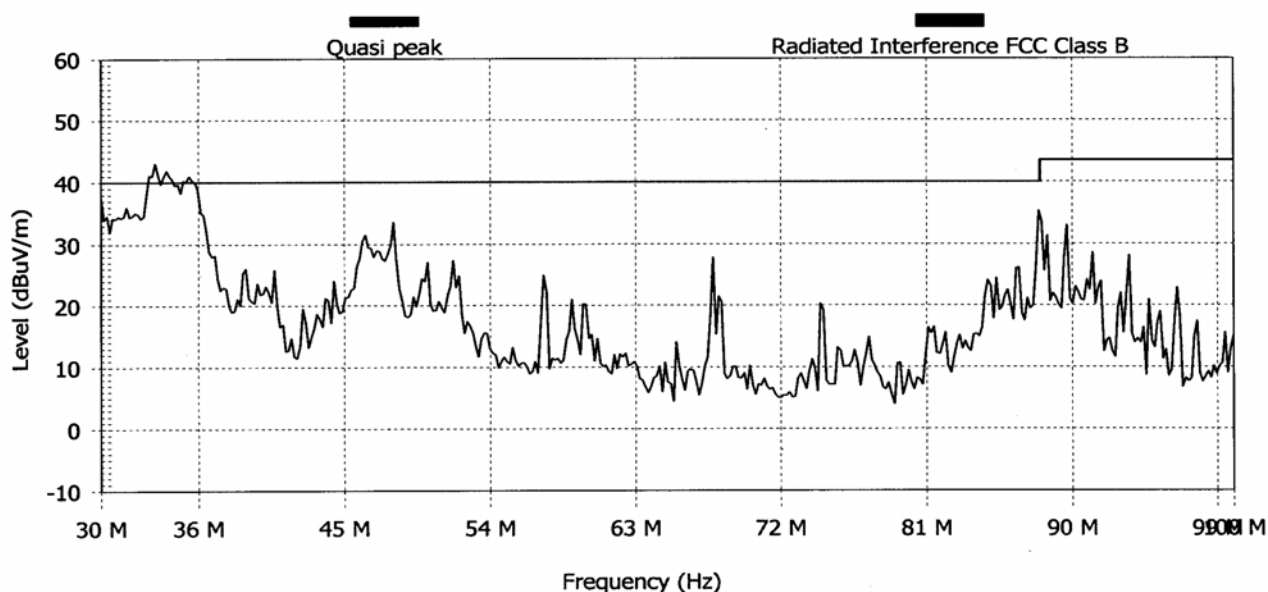
Contact Person: Yoram Singer

Radiated Emission

Description: 9) FCC 15.205 RESTRICTED 30-100MHz 923 8dbi omni

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	35.281	Disc. NB	35.6	32.9	40.0	-7.1	Pass	Pass	240	1.65	V
2	34.009	Disc.	38.6	36.4	40.0	-3.6	Pass	Pass	240	1.65	V
3	34.162	Disc. NB	42.5	36.6	40.0	-3.4	Pass	Pass	240	1.65	V
4	35.032	Disc.	36.1	34.3	40.0	-5.7	Pass	Pass	240	1.65	V
5	35.5	Disc.	34.9	32.2	40.0	-7.8	Pass	Pass	240	1.65	V
6	87.994	Disc. NB	36.7	36.5	40.0	-3.5	Pass	Pass	180	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

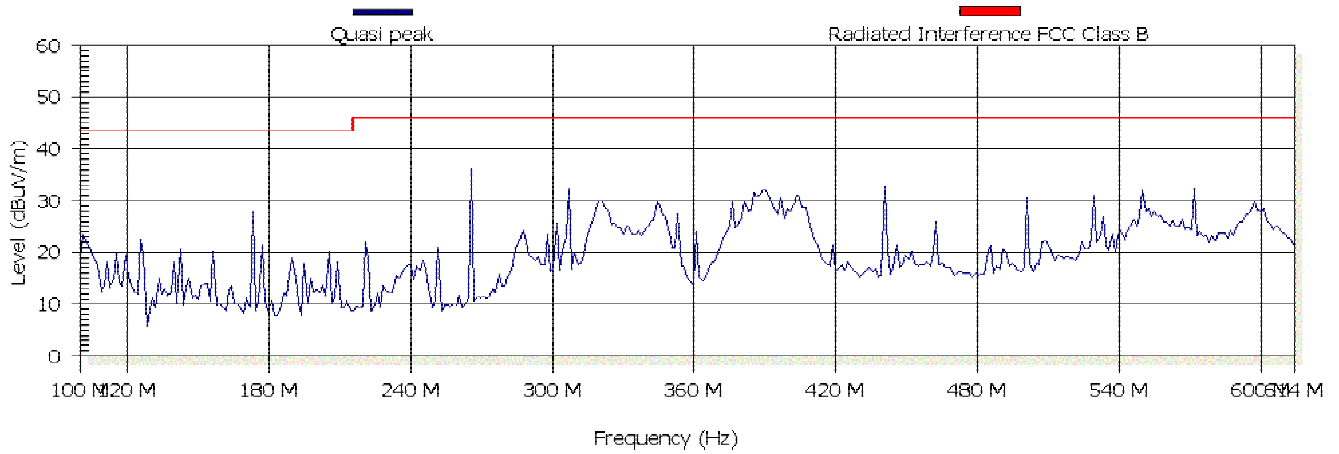
Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

Detect all peaks above 8 dB below the limit lines with a maximum of 6 peaks.

Measure the peaks with the quasi-peak detector

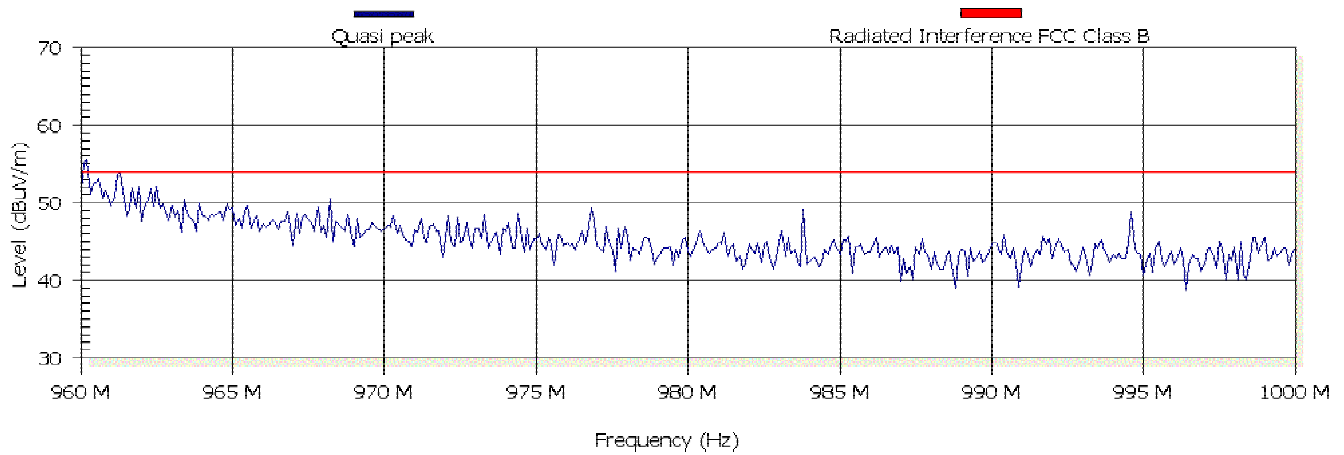
Note:

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



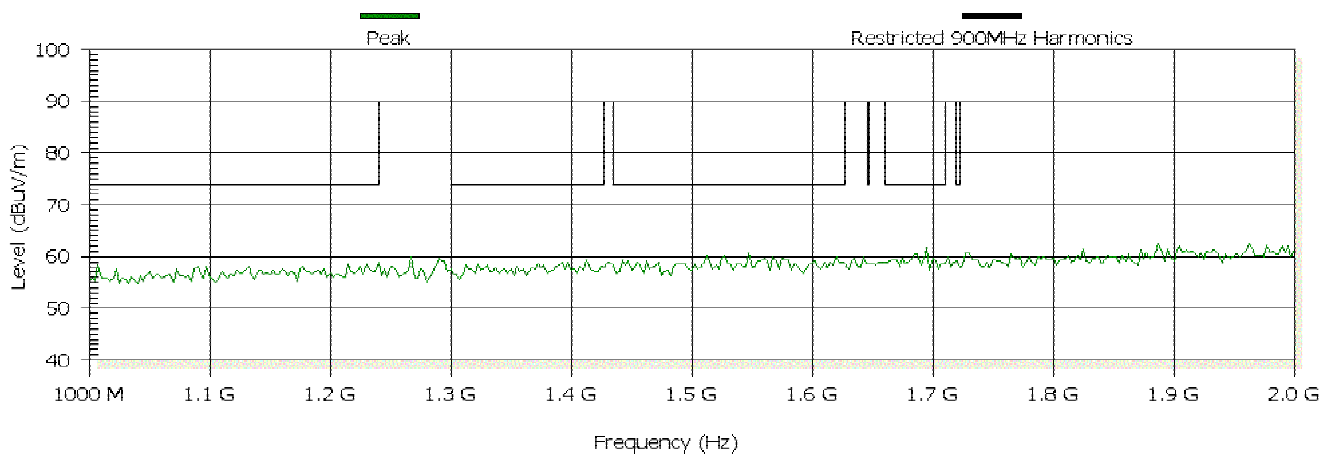
Plot / 227

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



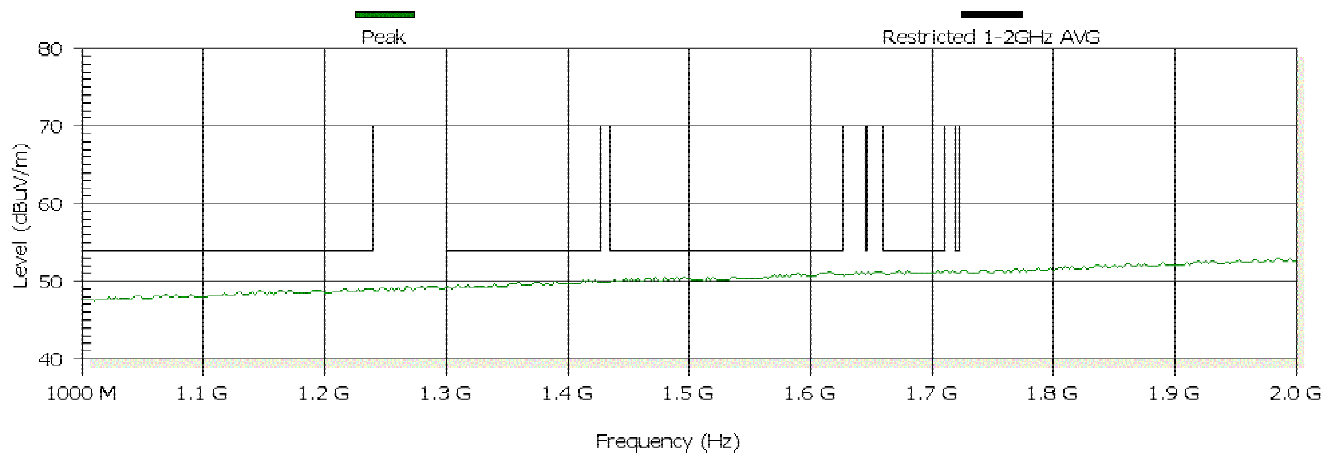
Plot / 228

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



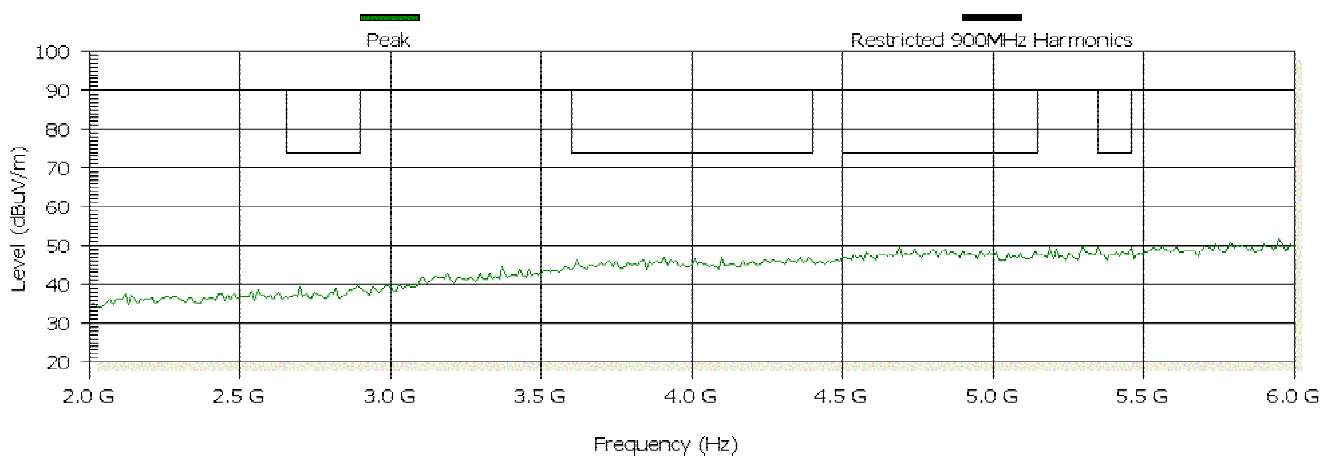
Plot / 229

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



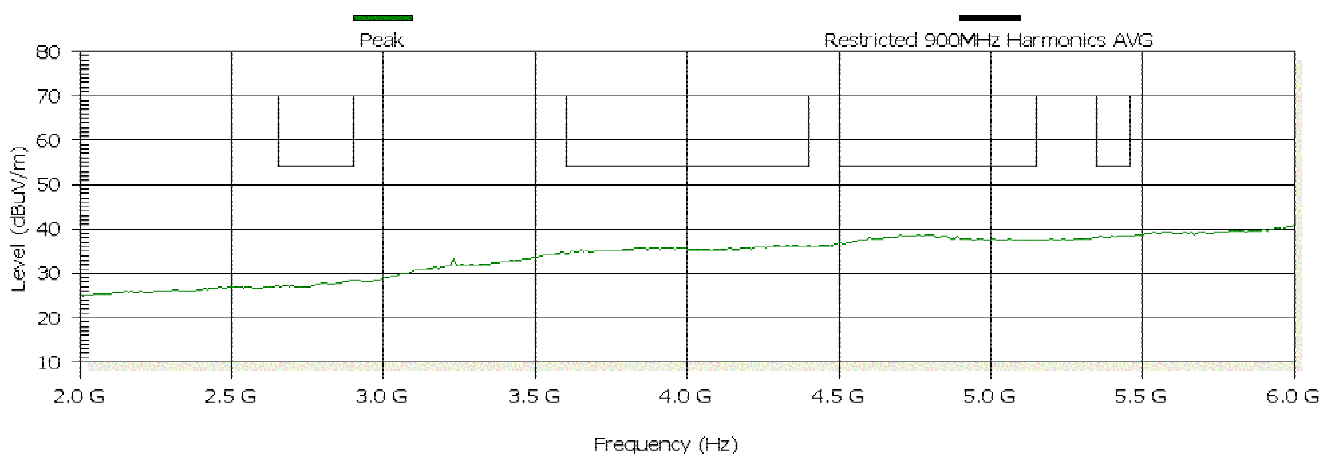
Plot /230

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



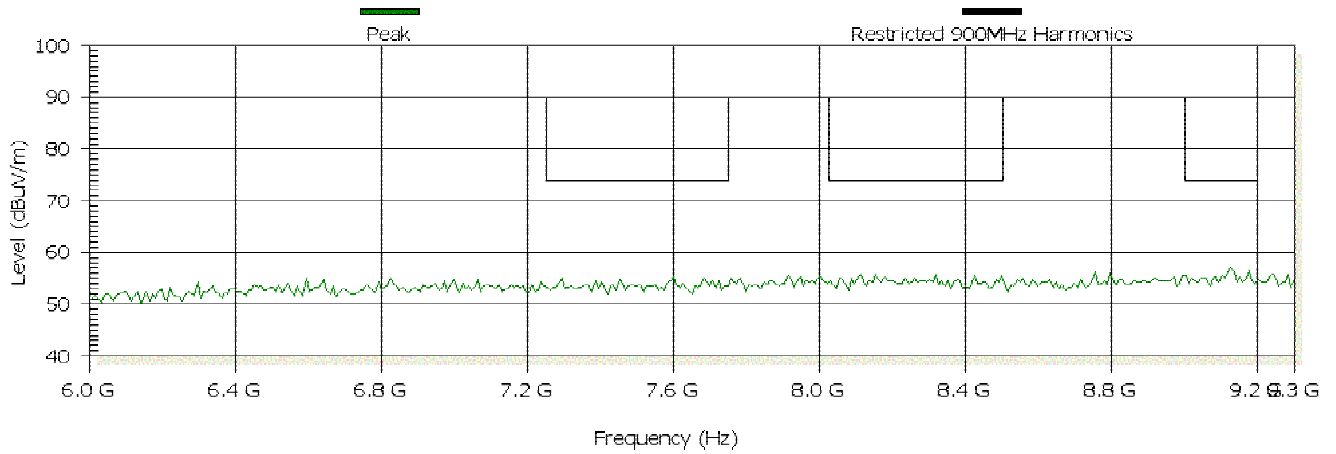
Plot / 231

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



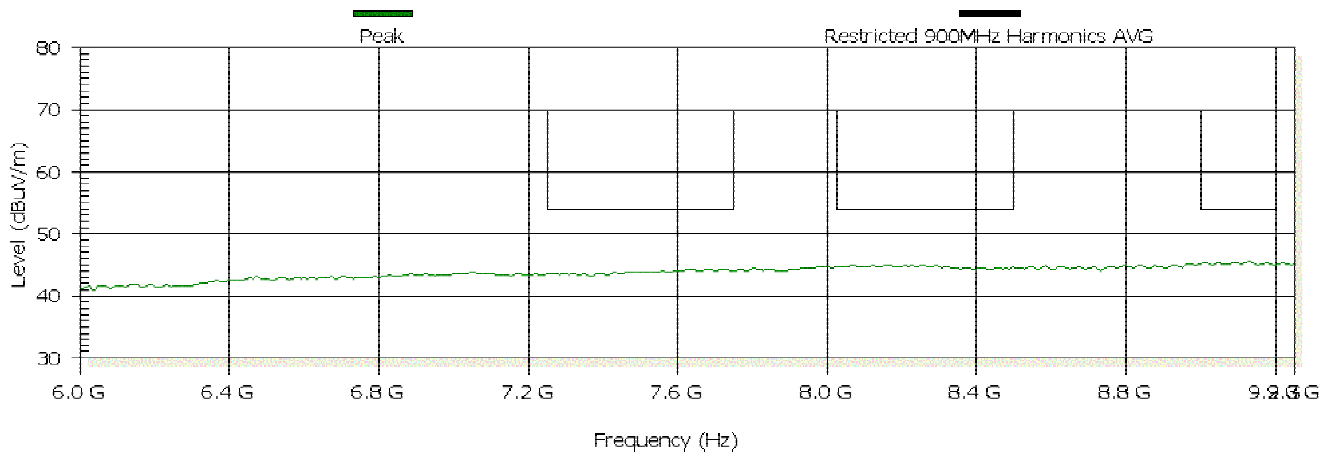
Plot / 232

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



Plot / 233

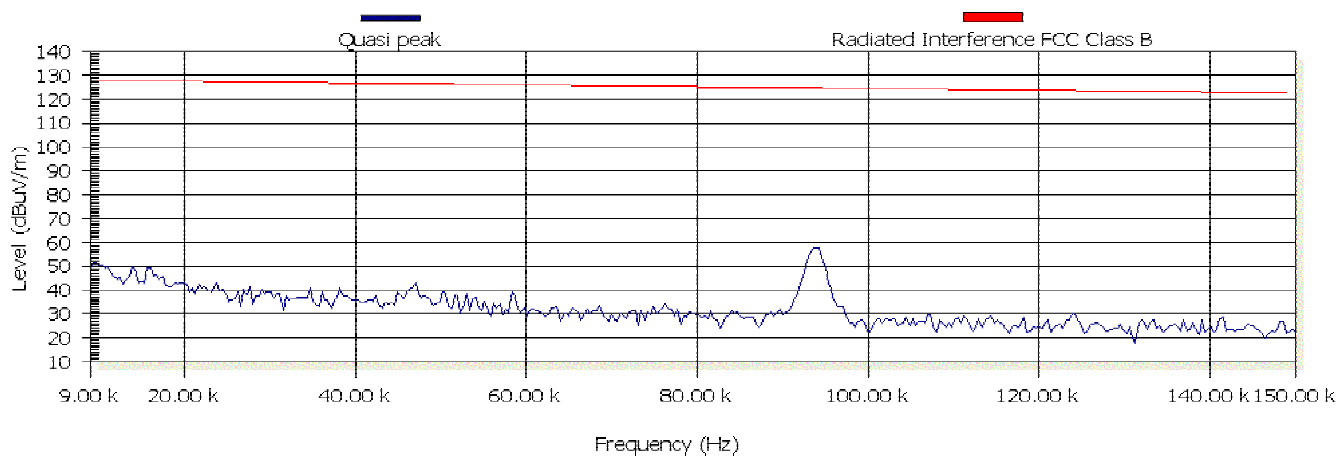
Analyzer setting: RBW-10KHz, VBW-3MHz, average



Plot / 234

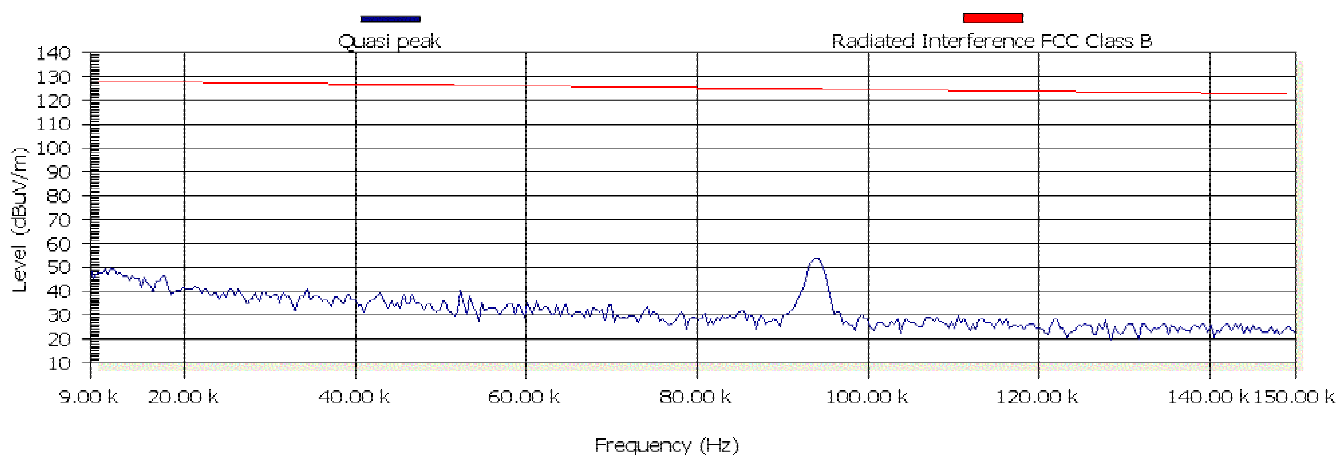
(18) Transmit Frequency 907MHz for 12.5dbi sq extern GA_900A mode

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



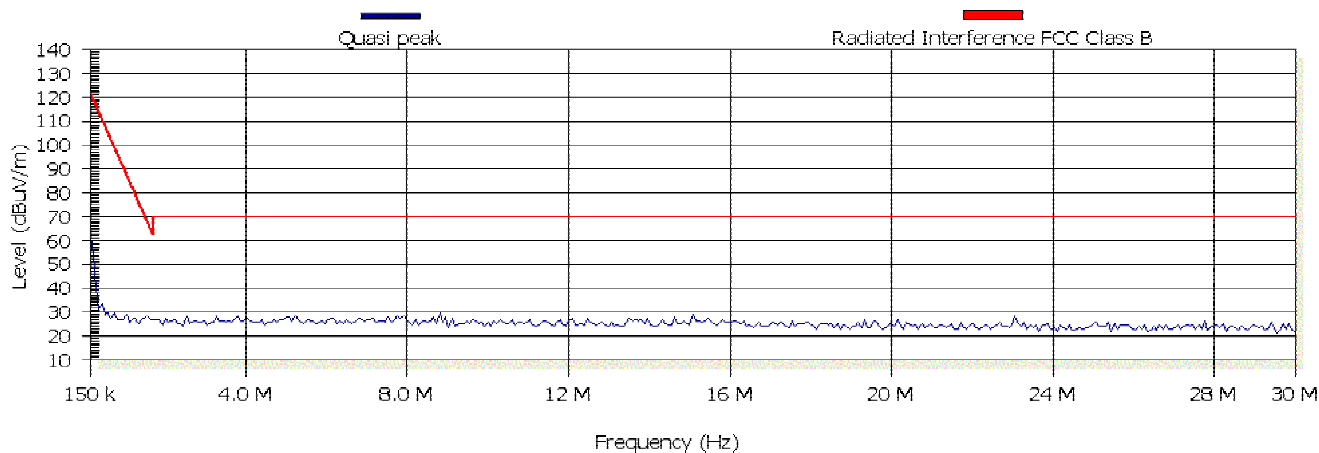
Plot / 235

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



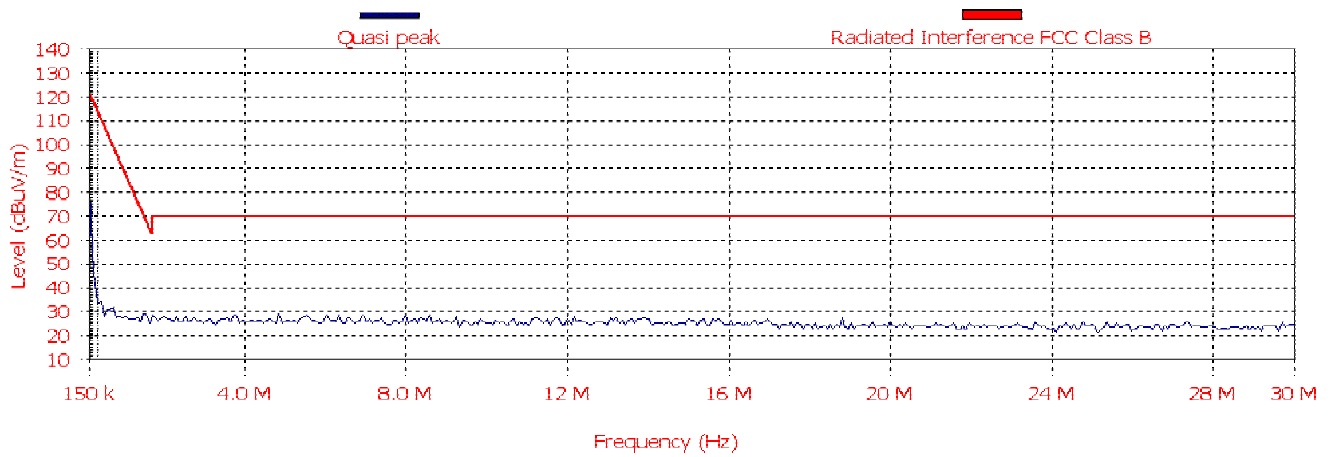
Plot / 236

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



Plot / 237

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



EUT File:

N:\COMMON\WAVE-IP-n\GigAccess900H\Mode 900A.EUT

Order Number:

EUT

Name: 900A

Serial Number: 0050C21CC468

Client

Name: WAVEIP

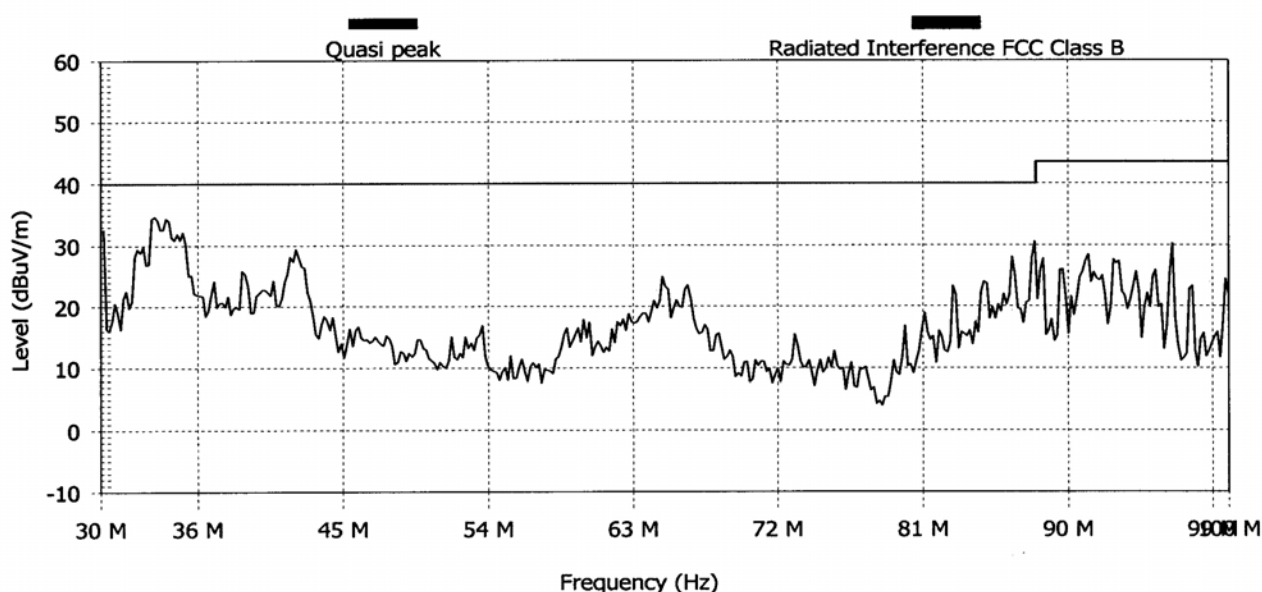
Contact Person: YORAM

Radiated Emission

Description: 103) FCC 15.205 RESTRICTED 30-100MHz 907 12.5 sq extern

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	33.325	Disc. BB	34.7	25.5	40.0	-14.5	Pass	Pass	252	1	H
2	34.075	Disc. BB	36.9	28.5	40.0	-11.5	Pass	Pass	216	1	V

Settings:

Antenna: Both Polarizations at 3.0 m

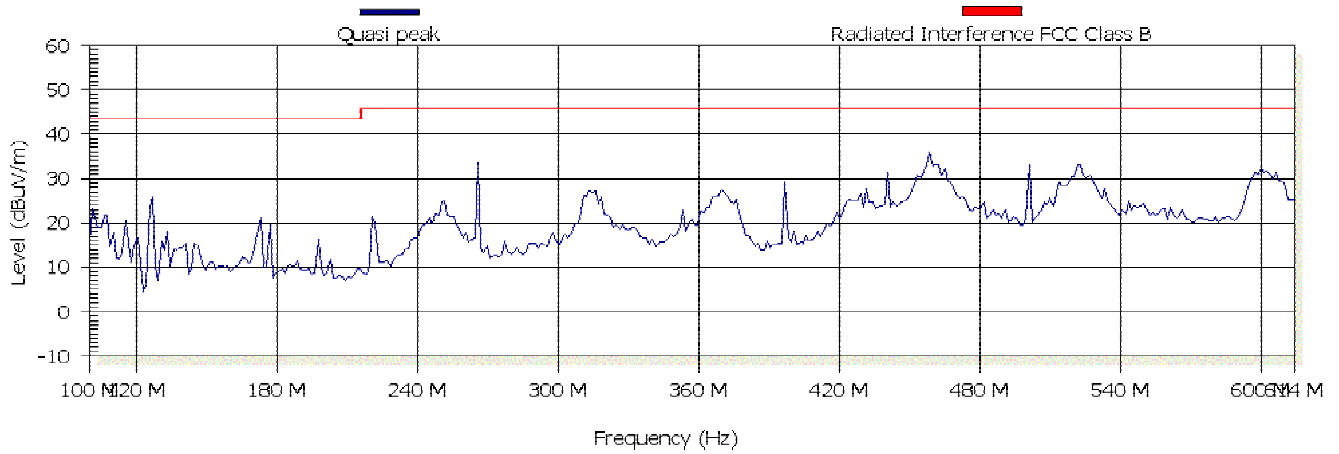
Ref. Level: 90.0 dBuV/m Att: 0 dB. RBW: 120 kHz. VBW: 1000 kHz. Sweep time: 20 ms.

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

Measure the peaks with the quasi-peak detector

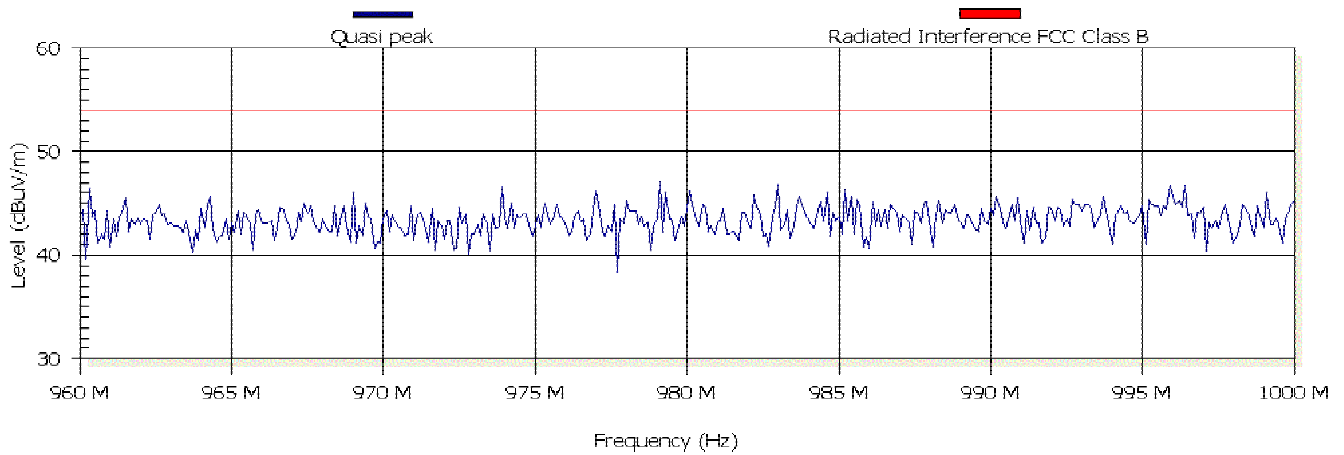
Note:

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



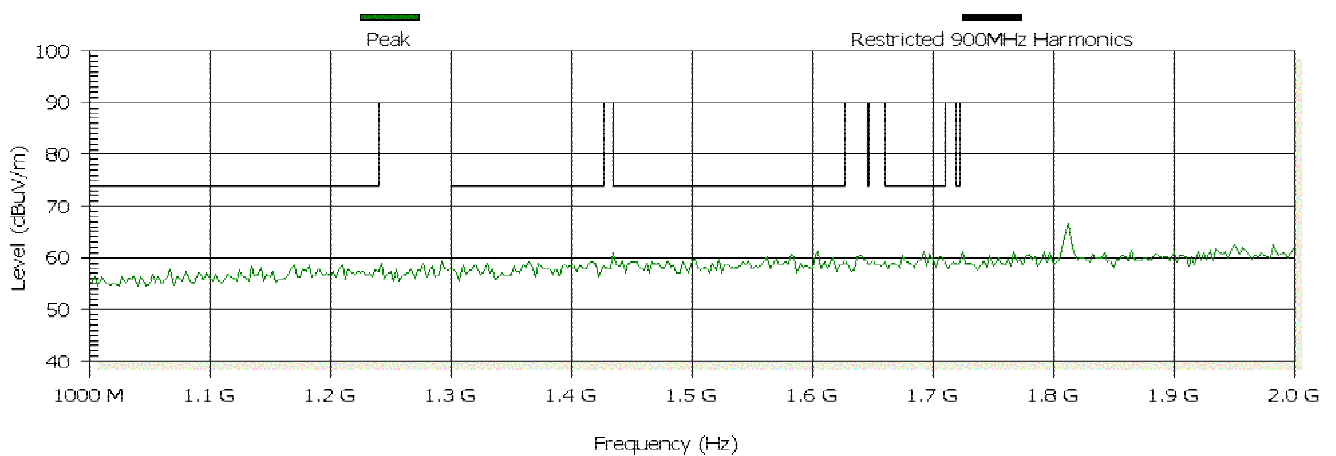
Plot / 240

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



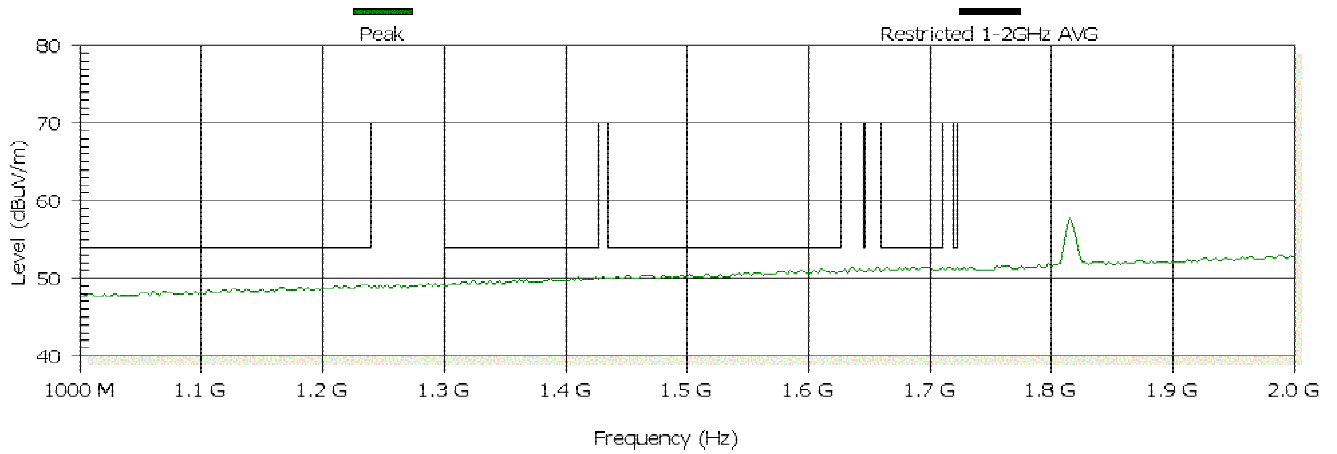
Plot / 241

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



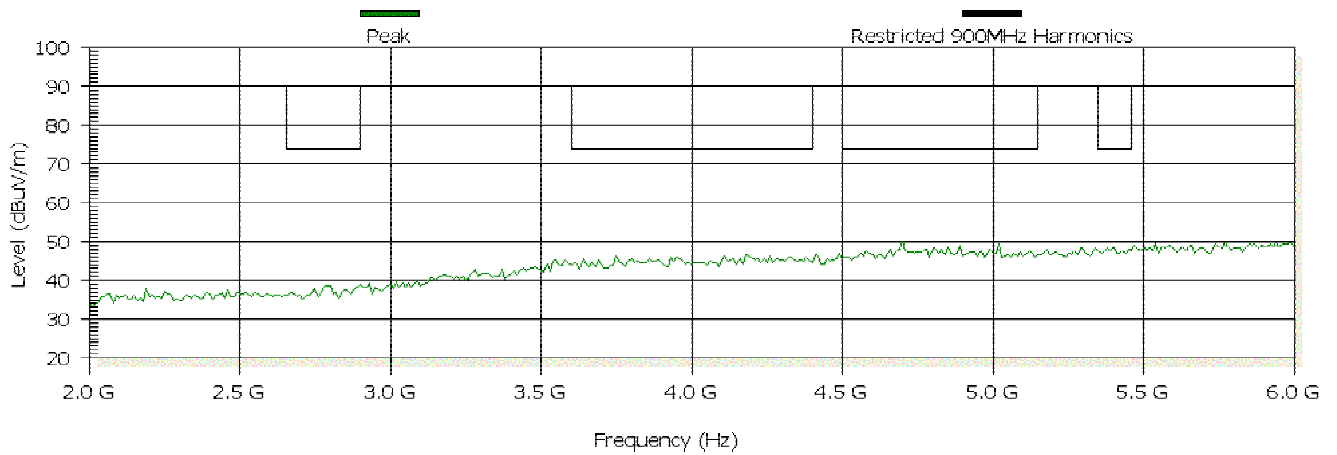
Plot / 242

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



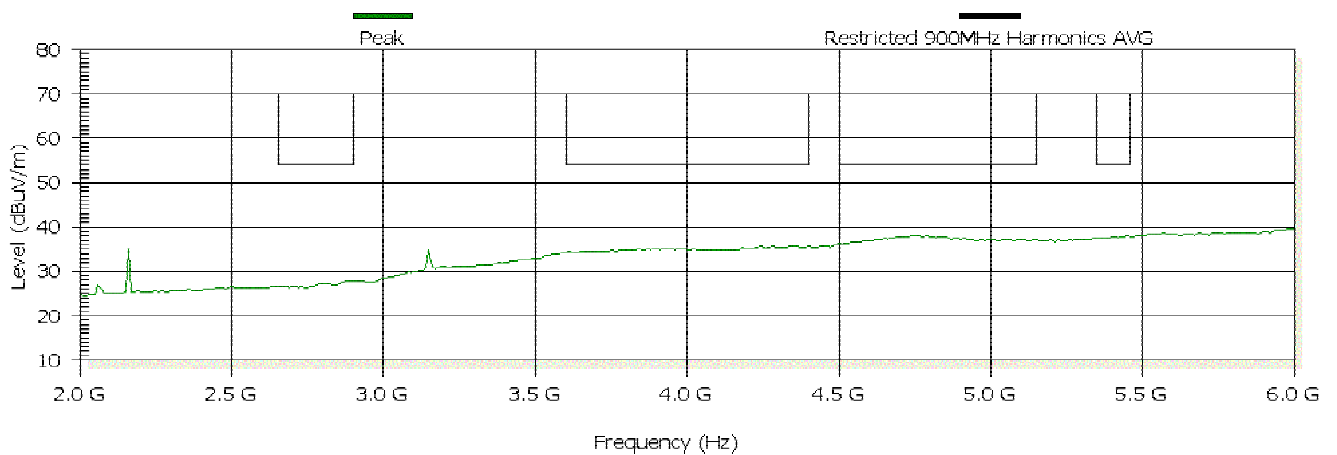
Plot /243

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



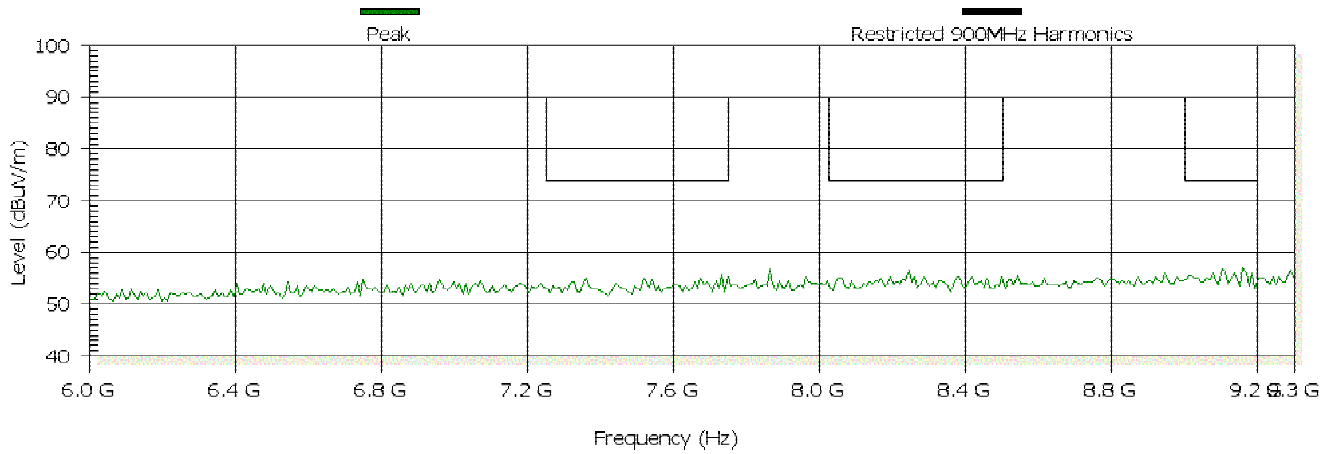
Plot / 244

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



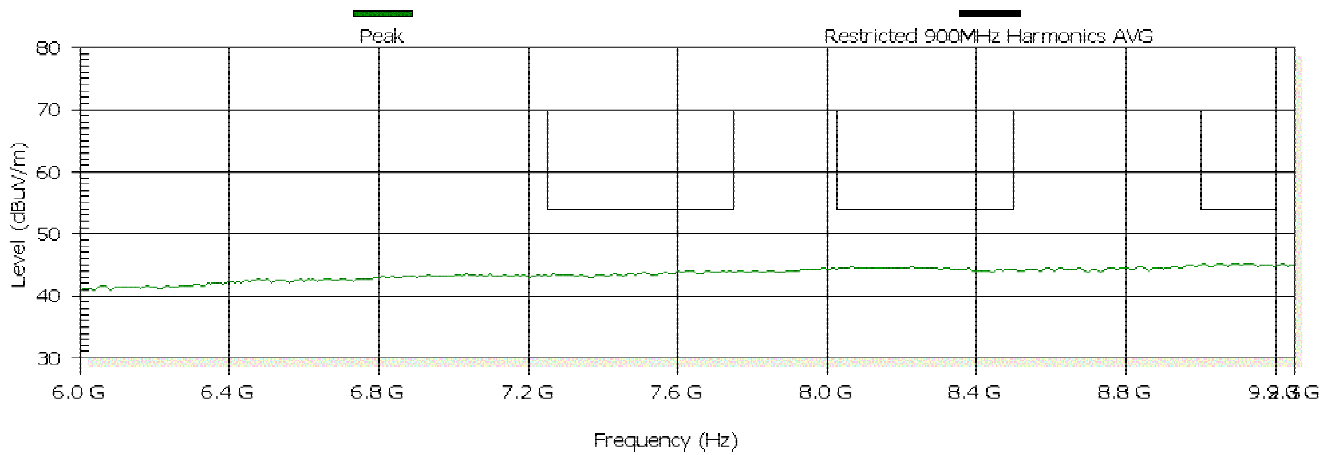
Plot / 245

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



Plot / 246

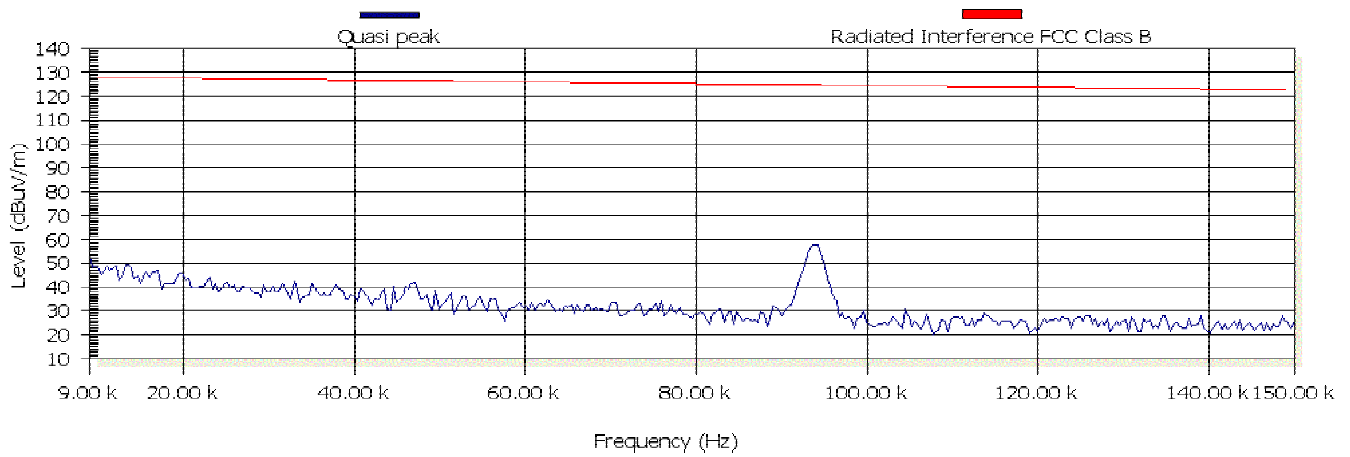
Analyzer setting: RBW-10KHz, VBW-3MHz, average



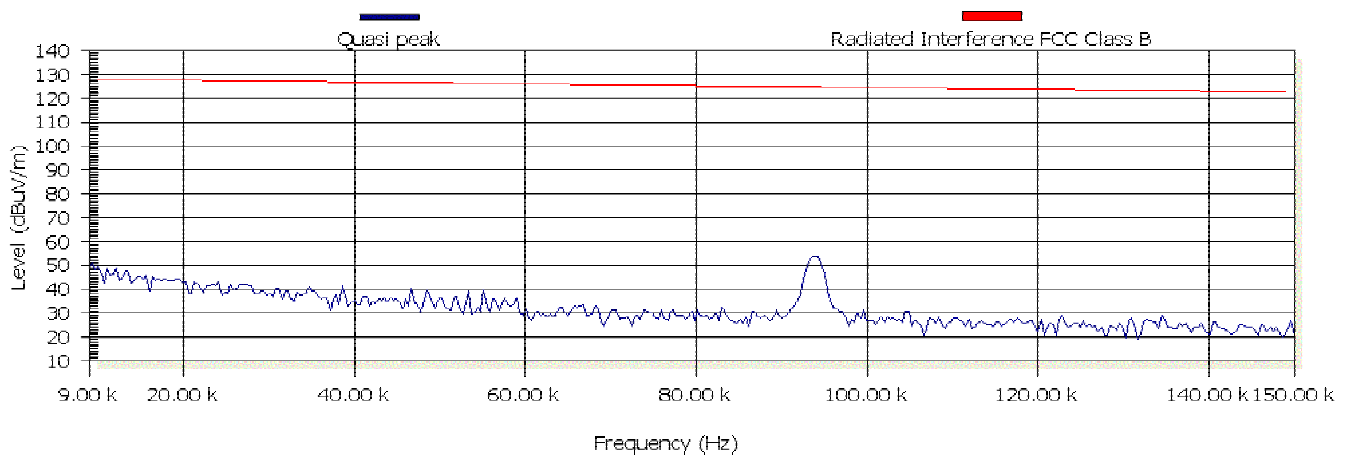
Plot / 247

(19) Transmit Frequency 915MHz for 12.5dbi sq extern GA_900A mode

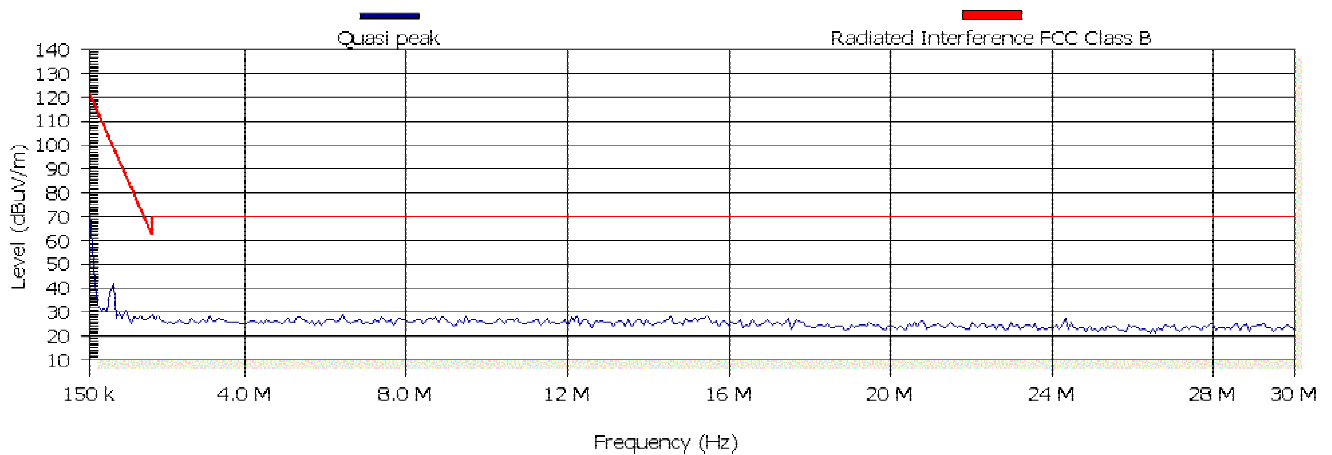
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Horizontal



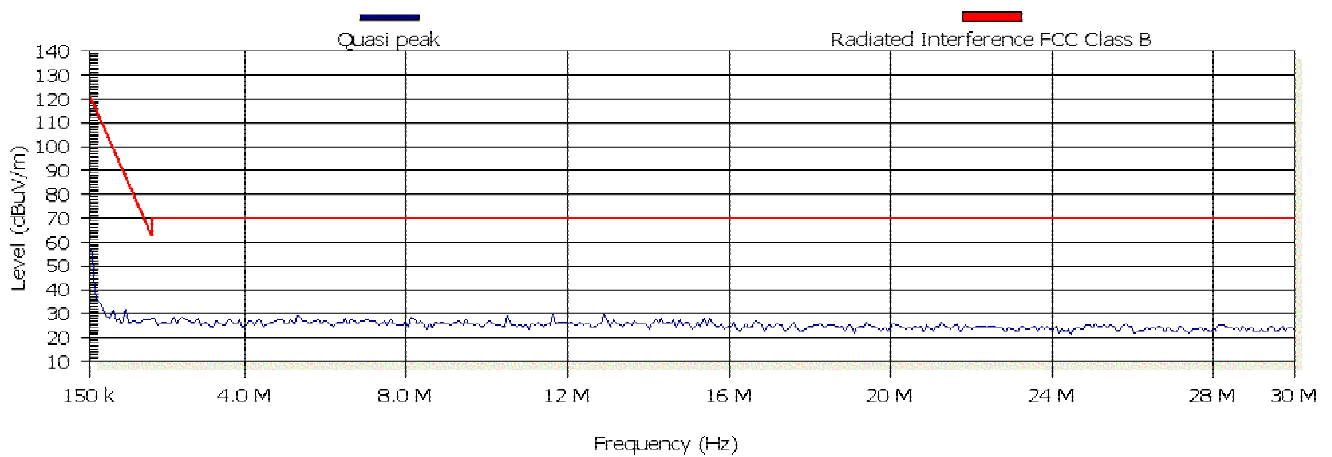
Analyzer setting: RBW-1K, VBW-1MHz, QP detector, Antenna Vertical



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

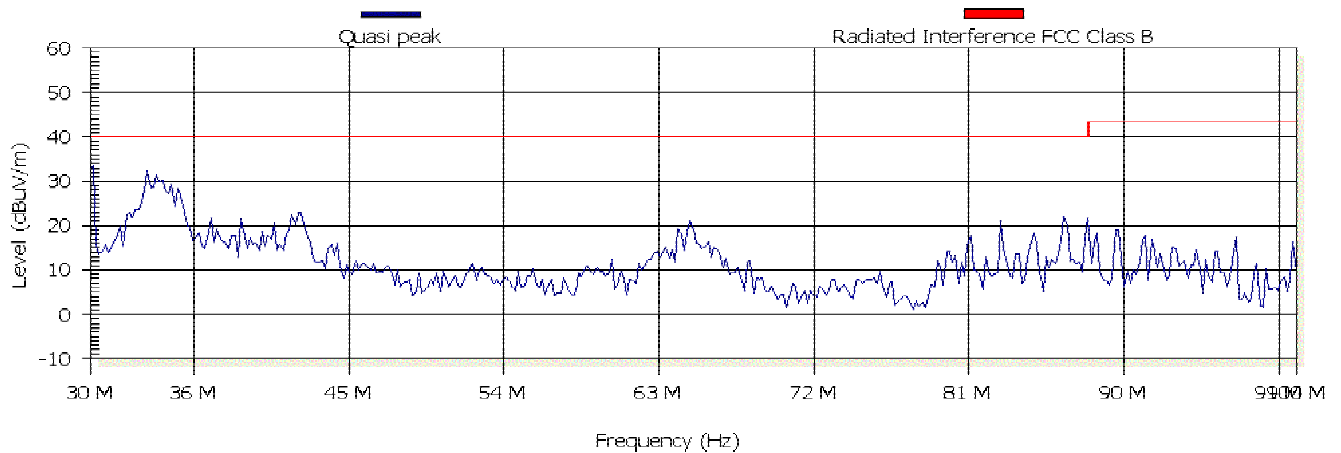


Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



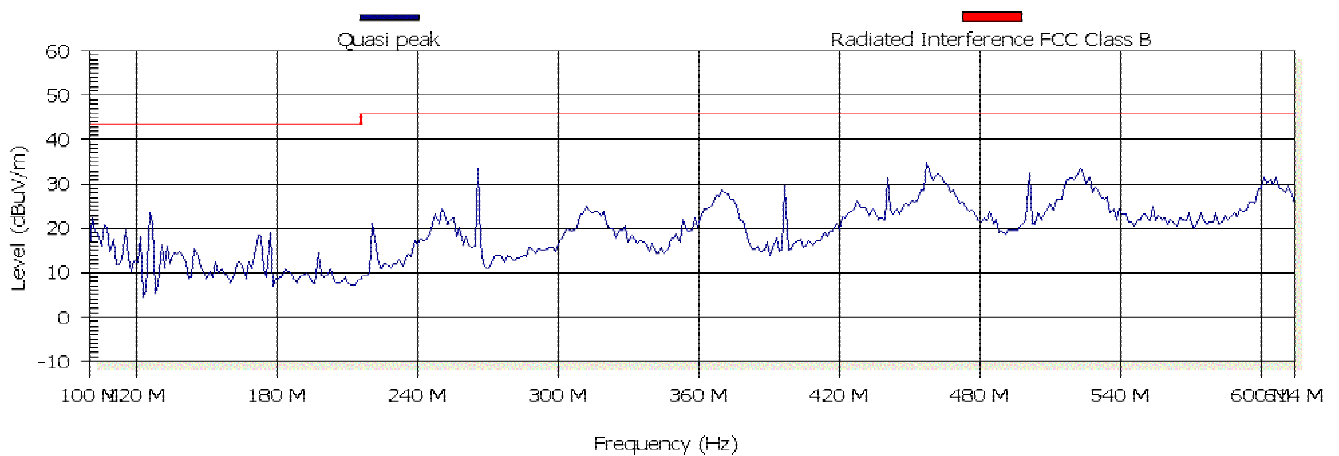
Plot / 251

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



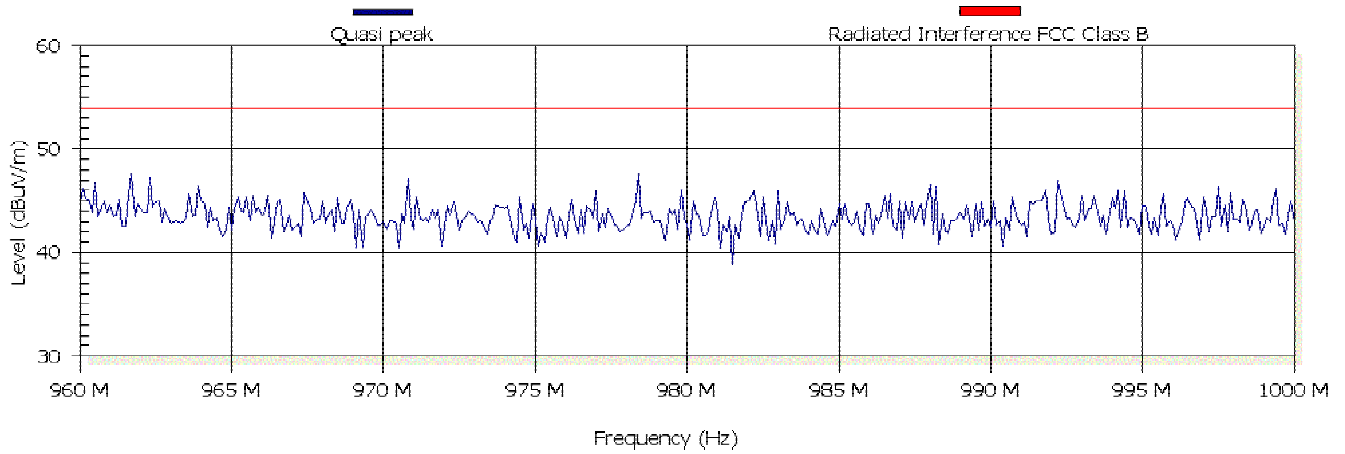
Plot / 252

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



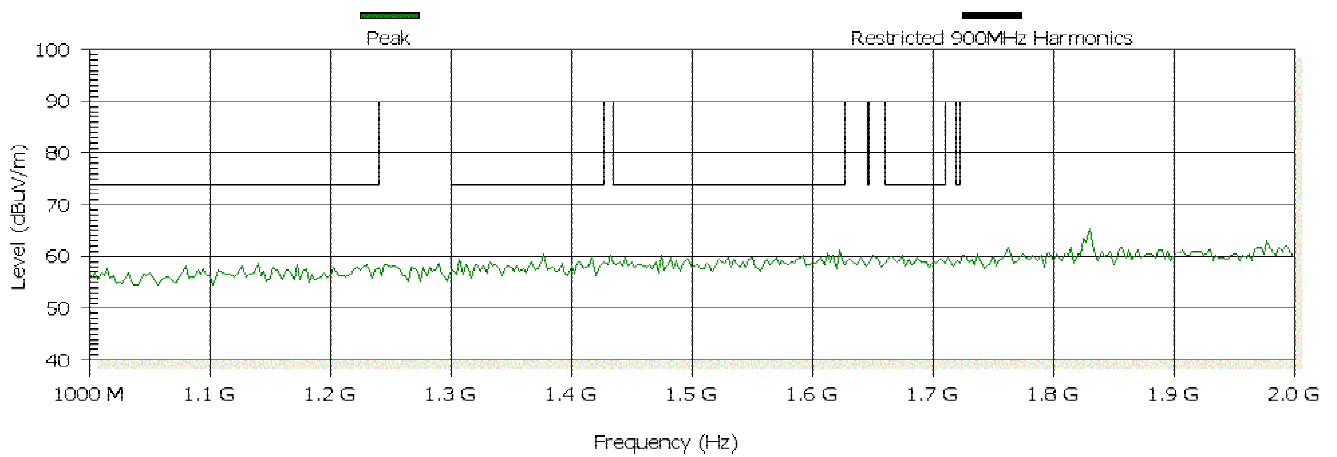
Plot / 253

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



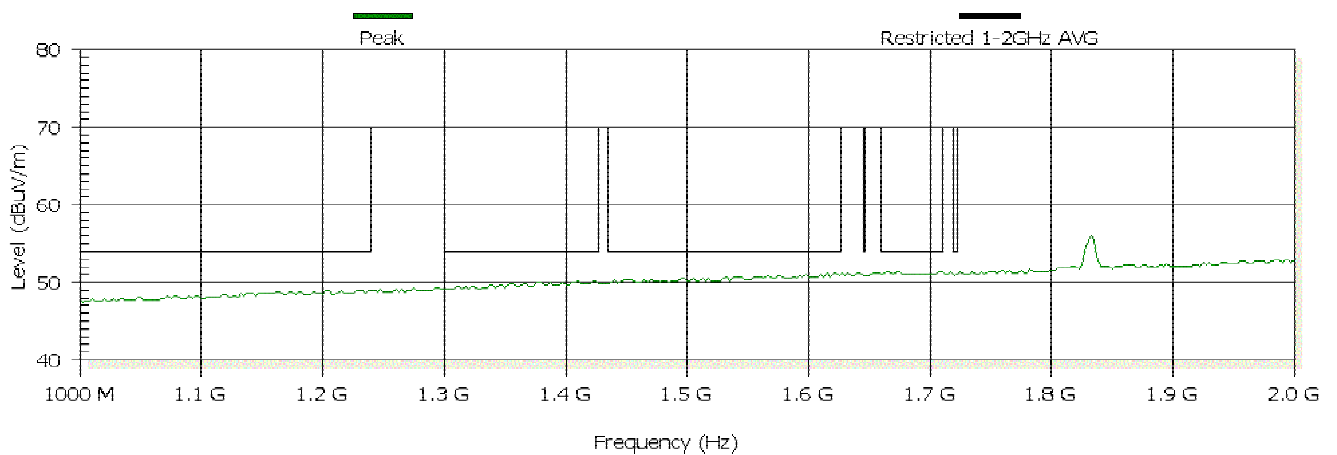
Plot / 254

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



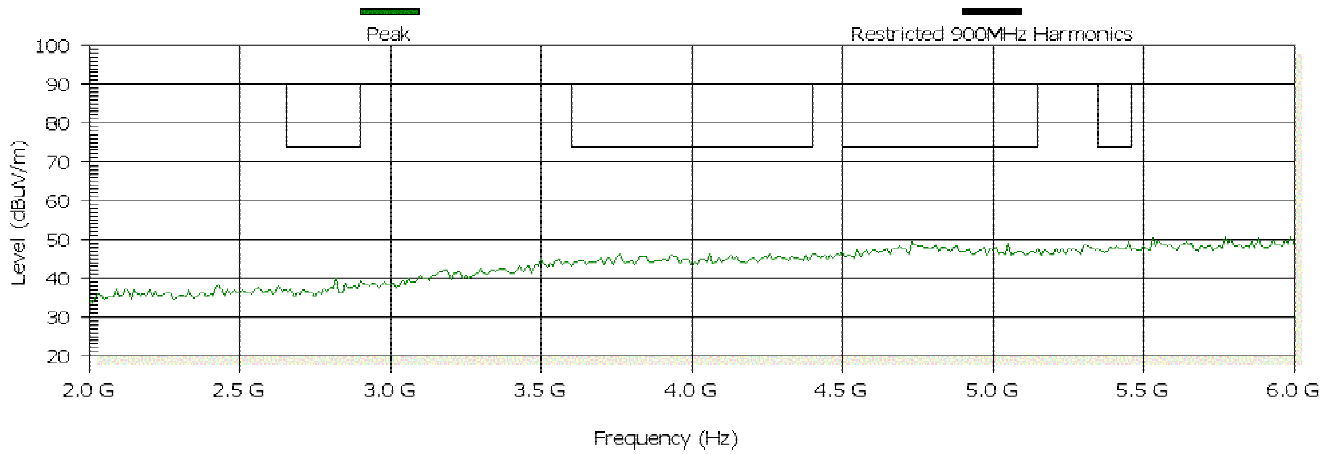
Plot / 255

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



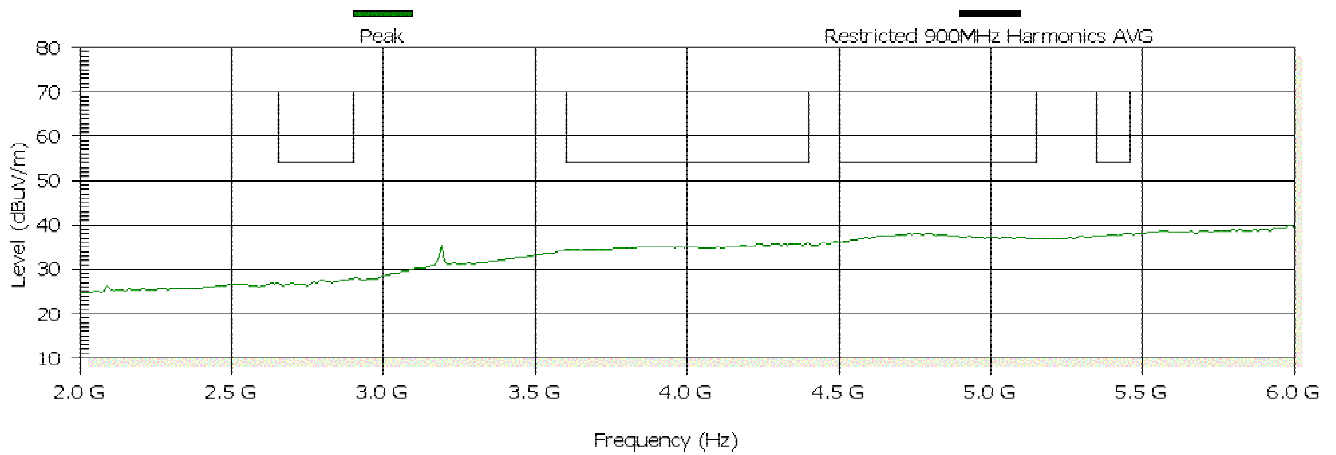
Plot /256

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



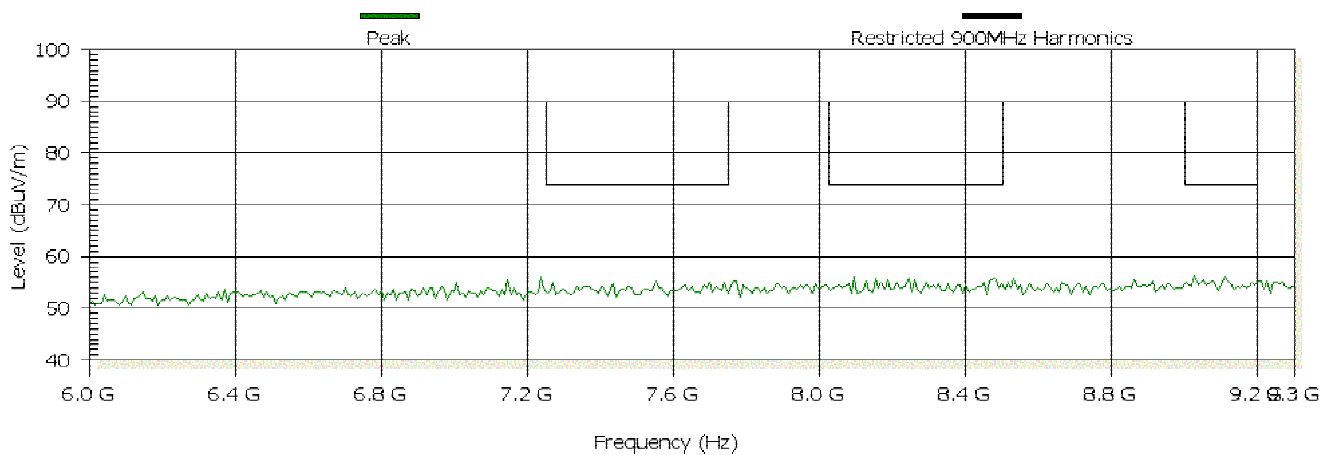
Plot / 257

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



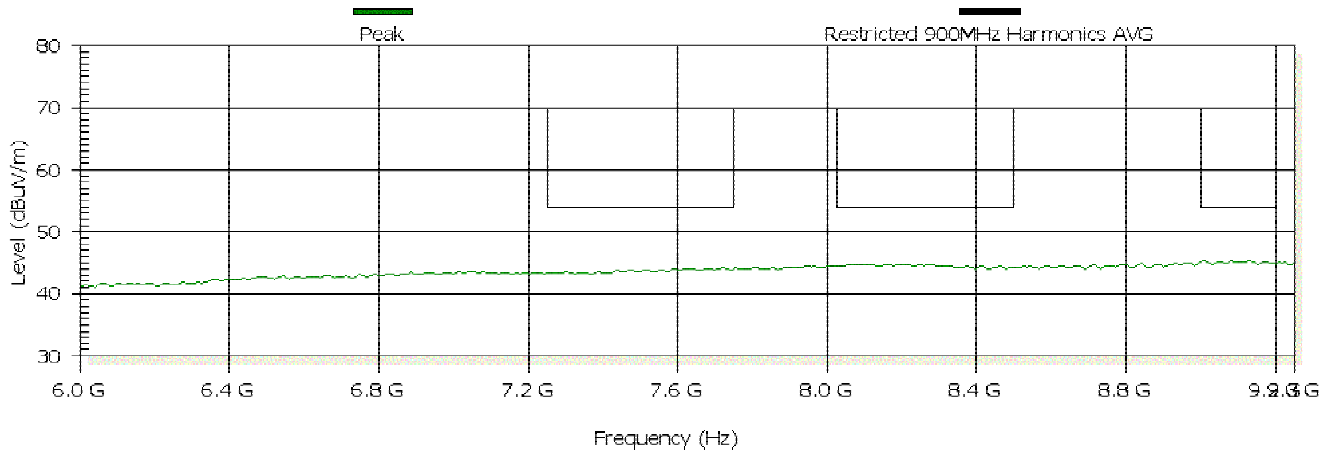
Plot / 258

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



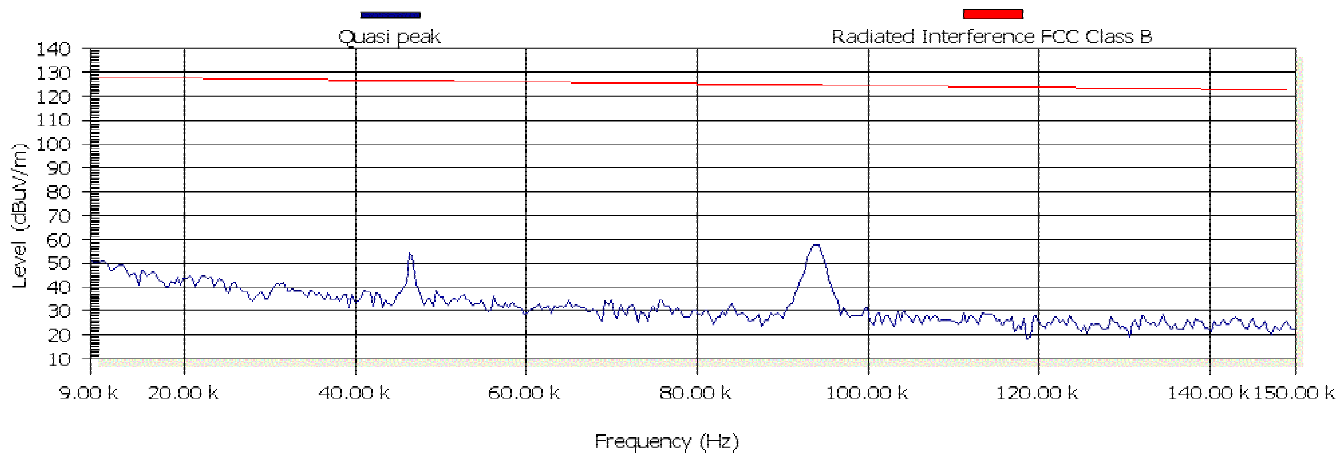
Plot / 259

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



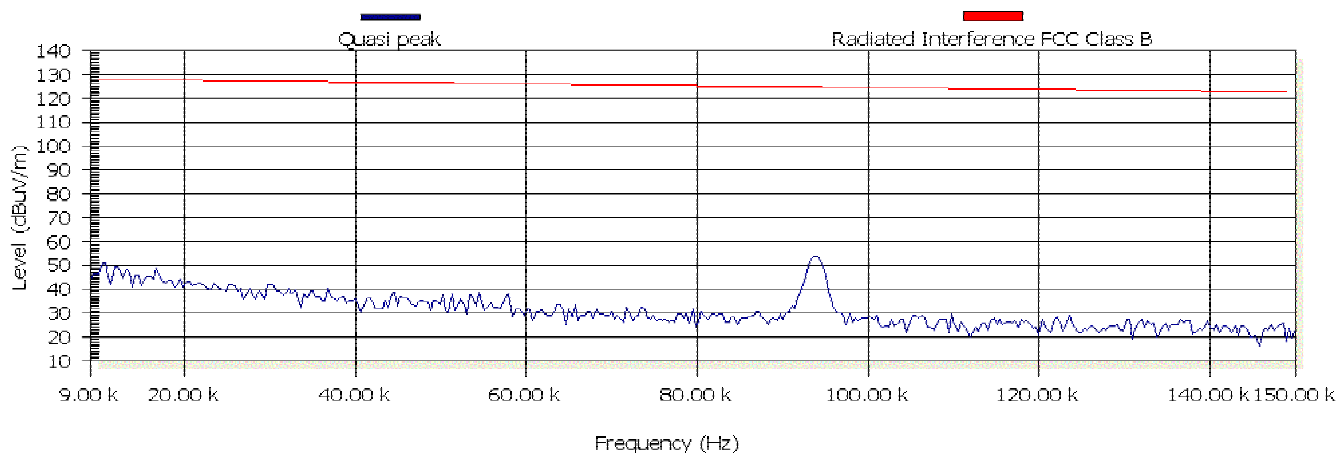
(20) Transmit Frequency 923MHz for 12.5dbi sq extern GA_900A mode

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



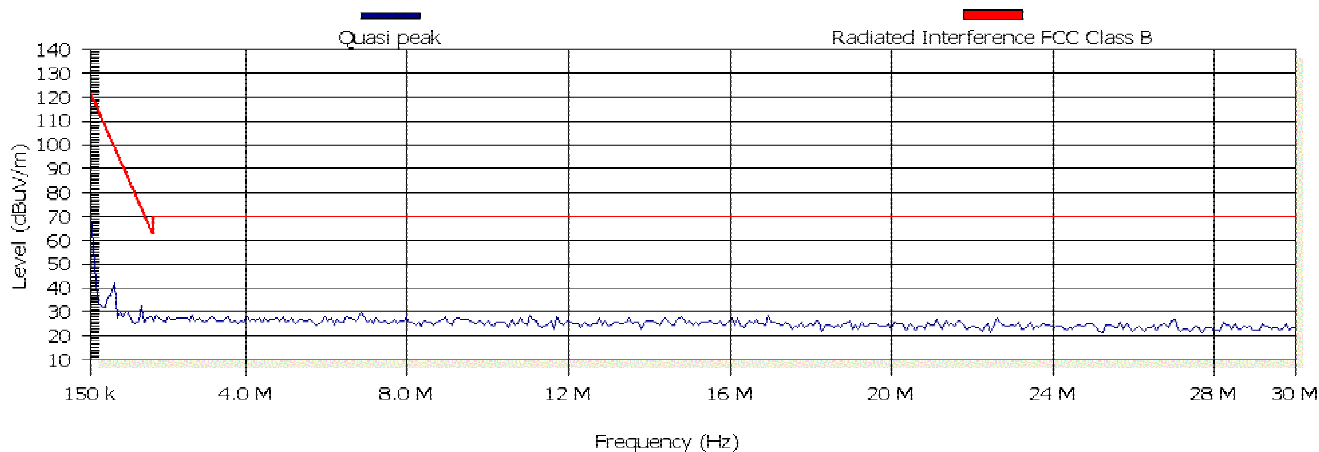
Plot / 261

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



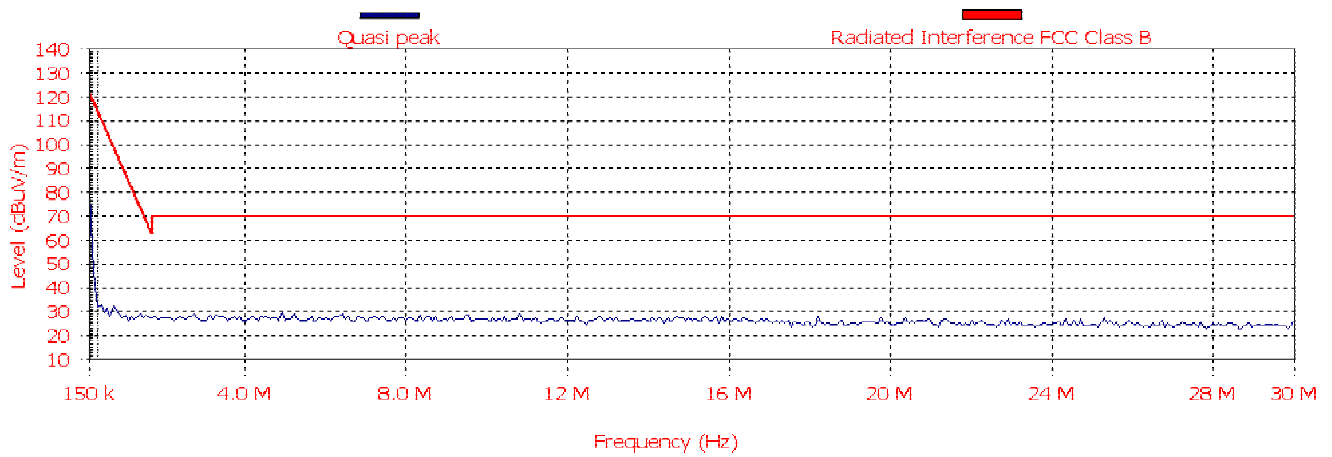
Plot / 262

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

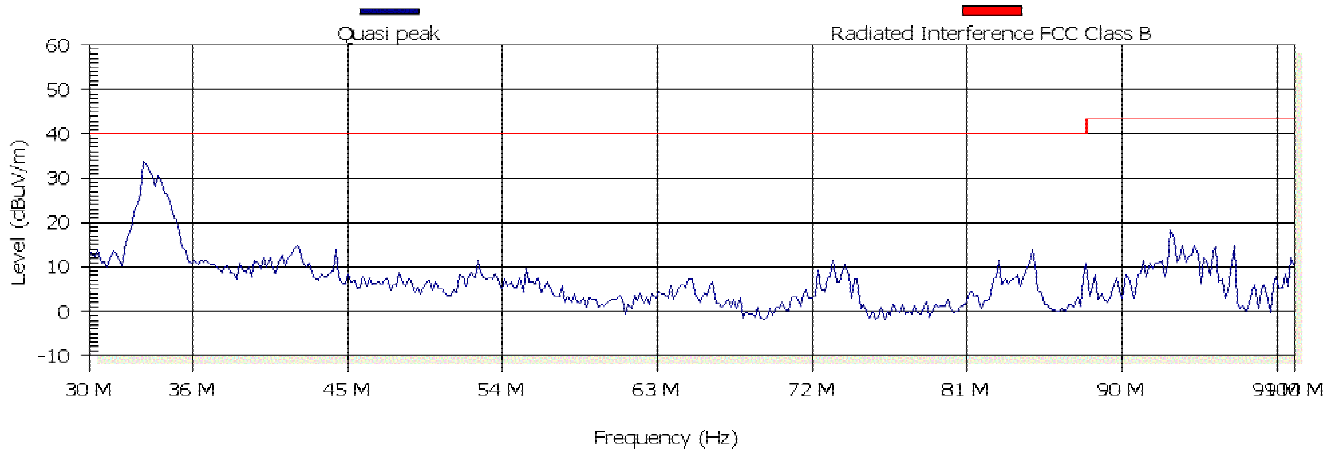


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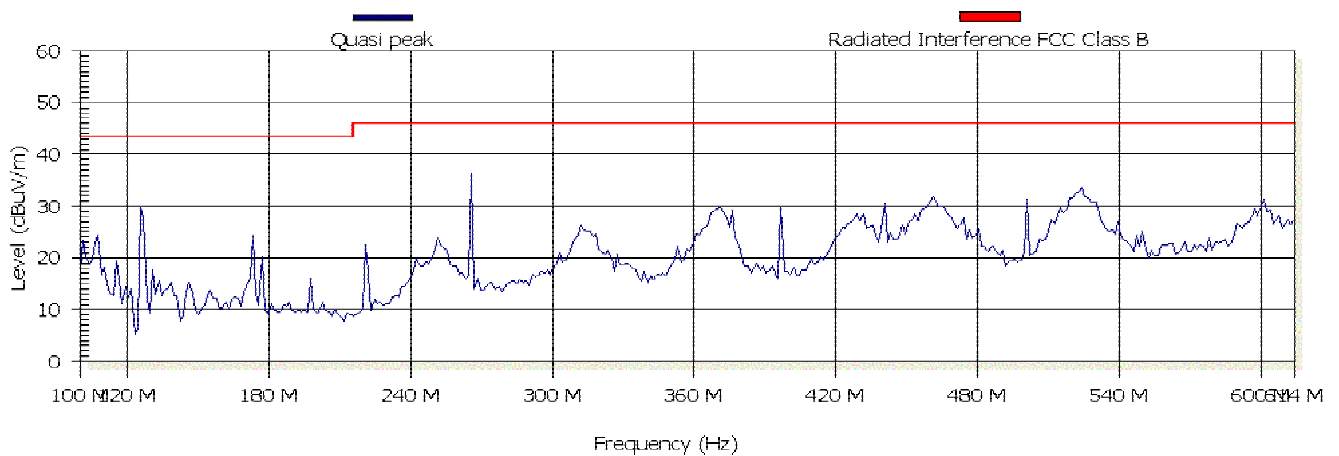
Analyzer setting: RBW-9K, VBW-1MHz, QP detector, Antenna Vertical



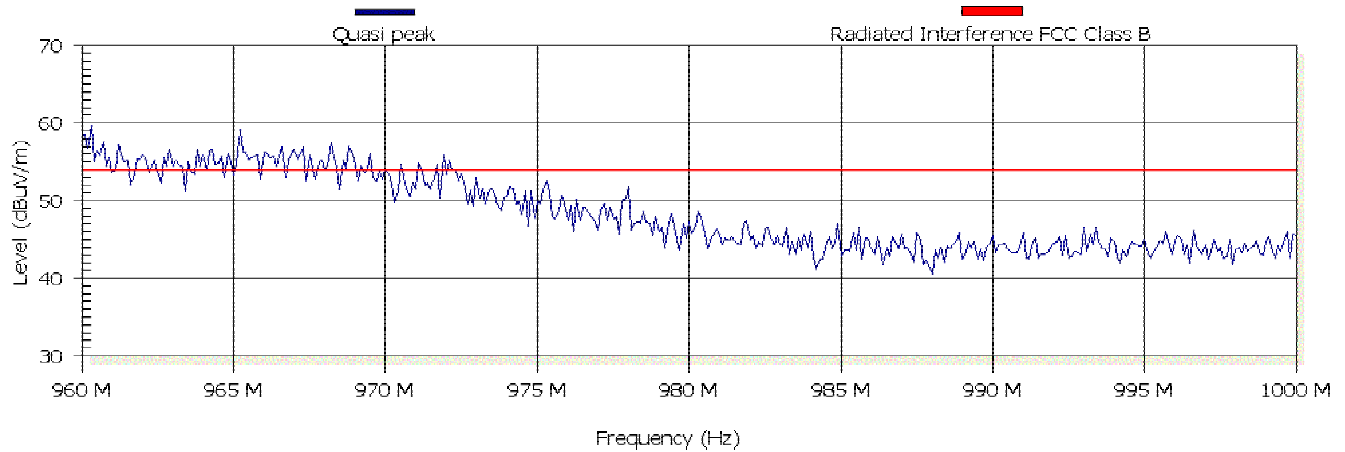
Analyzer setting: RBW-120K, VBW-1MHz, QP detector



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

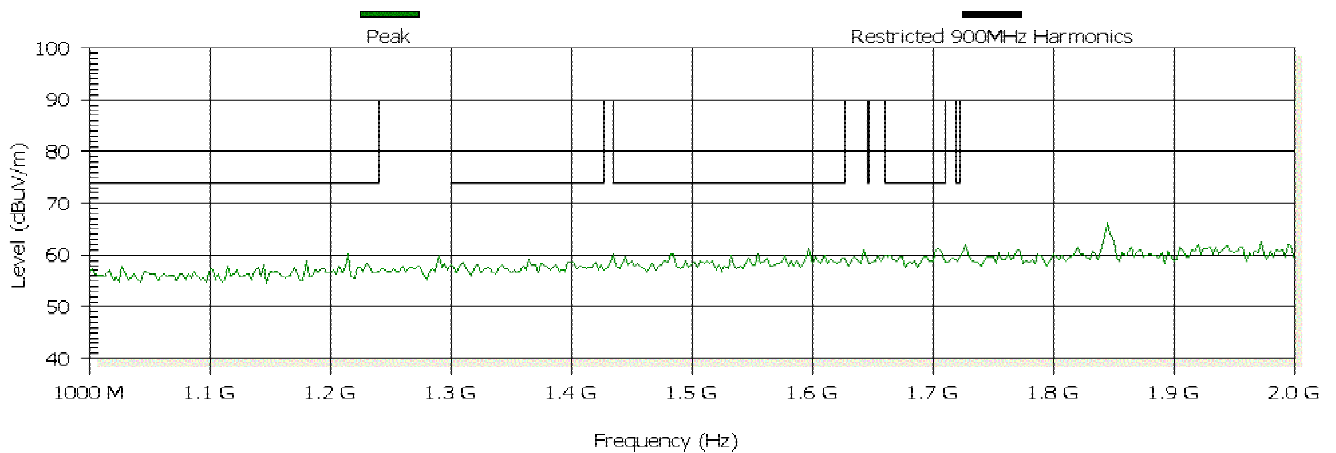


Analyzer setting: RBW-120K, VBW-1MHz, QP detector



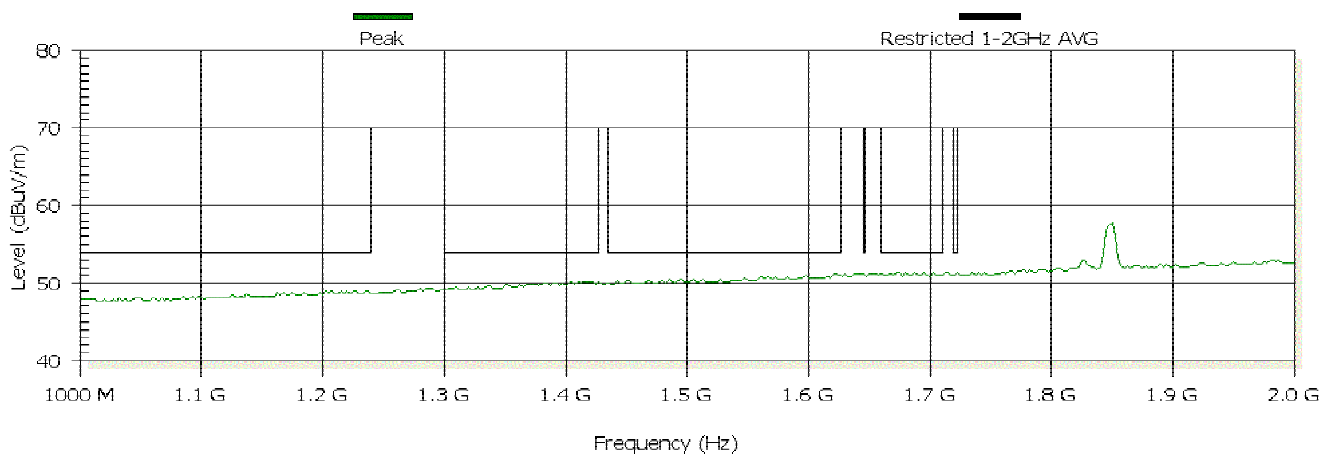
Plot / 267

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



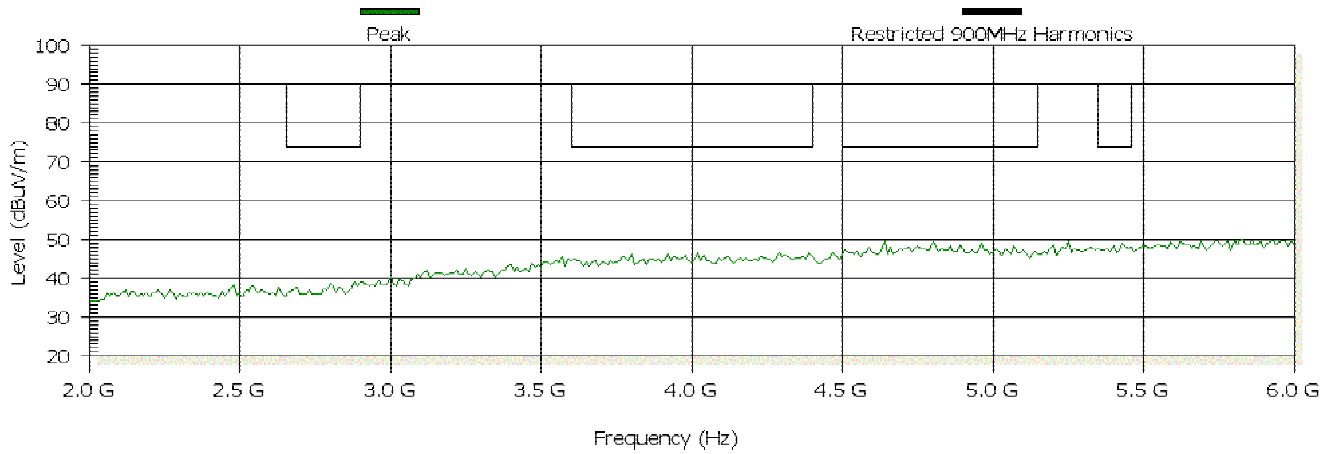
Plot / 268

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



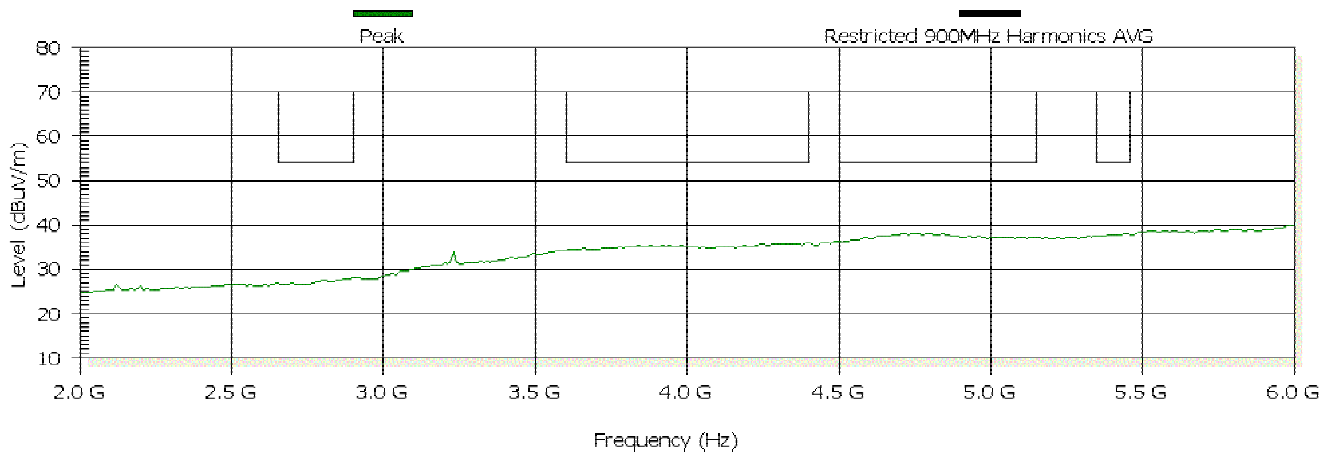
Plot /269

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



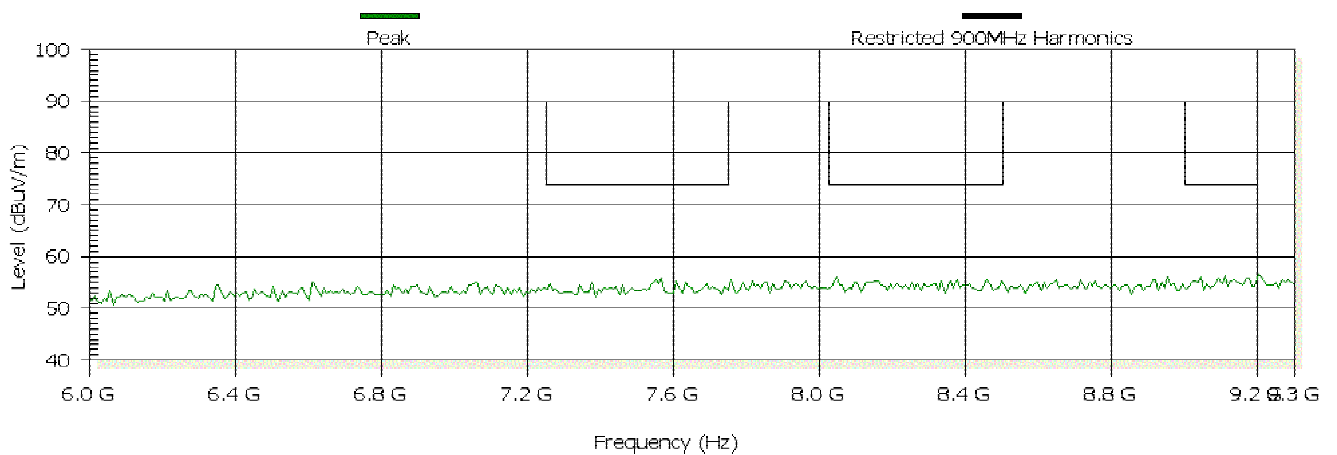
Plot / 270

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



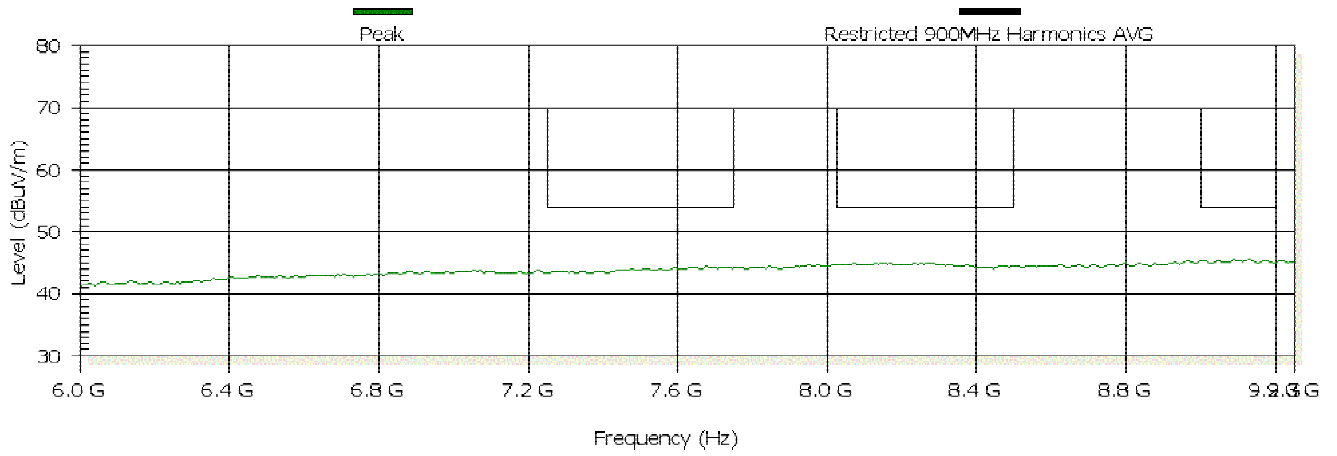
Plot / 271

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



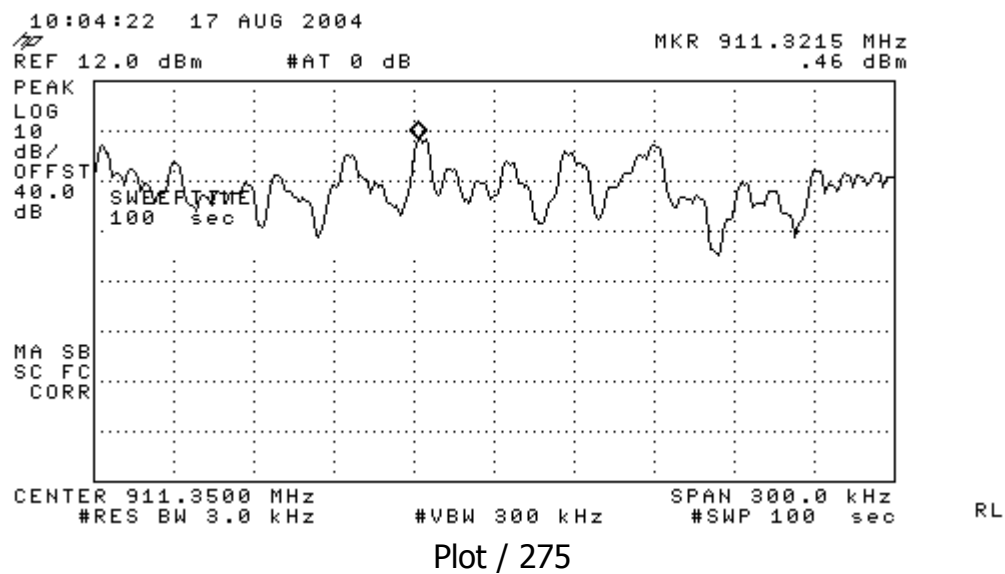
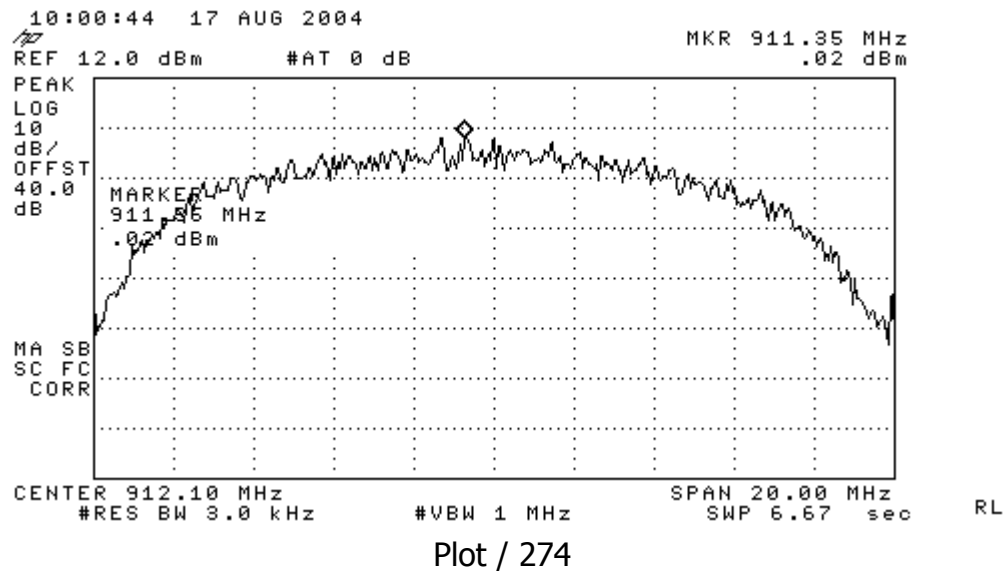
Plot / 272

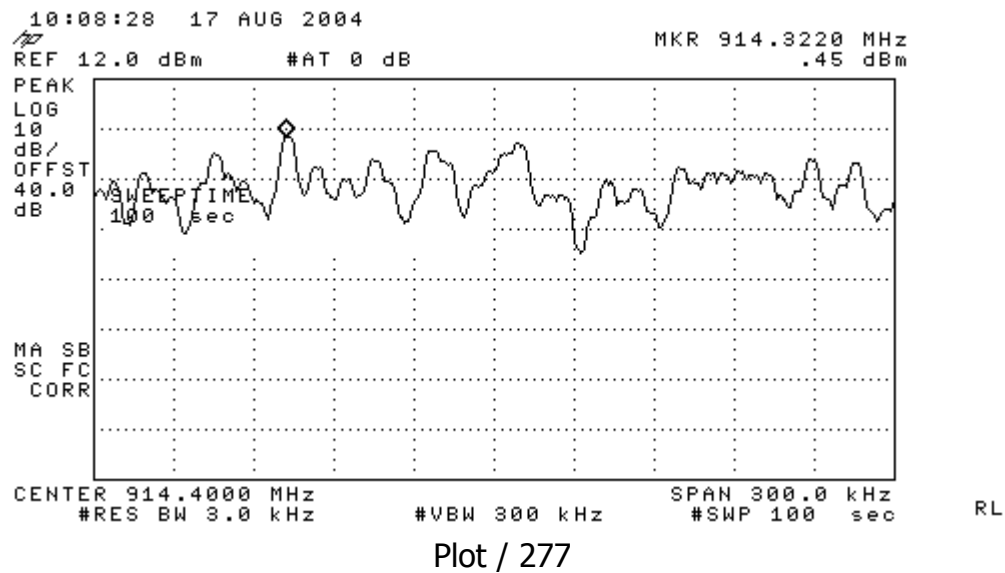
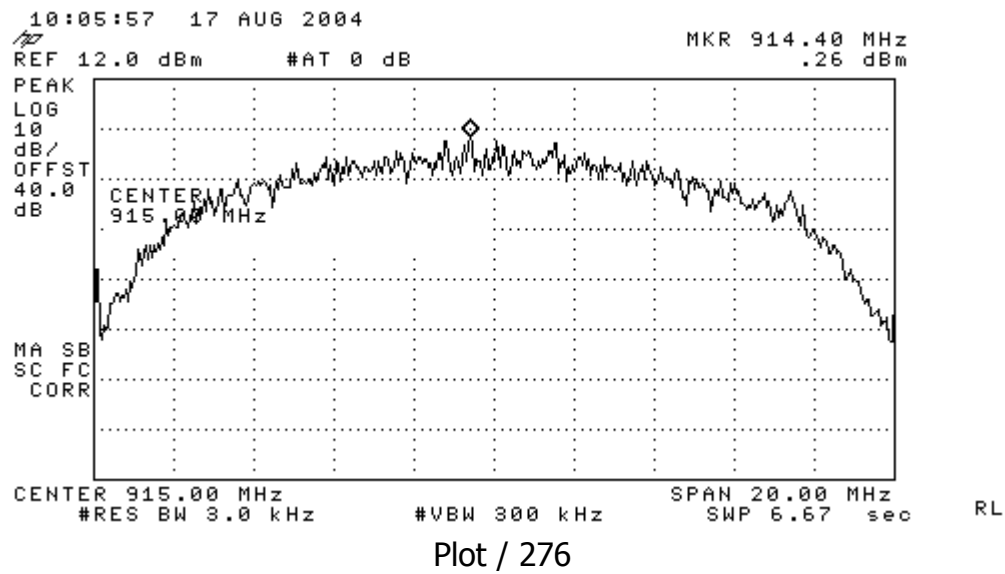
Analyzer setting: RBW-10KHz, VBW-3MHz, average

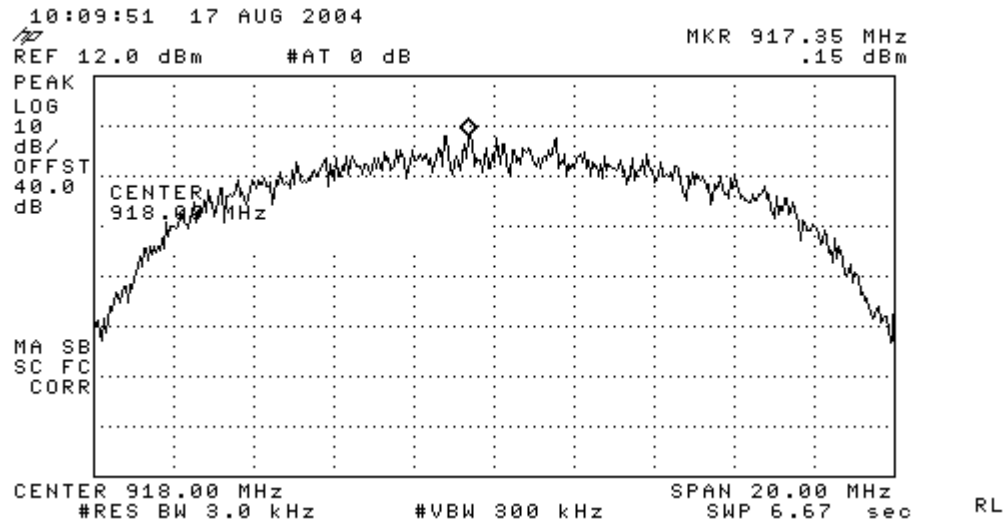


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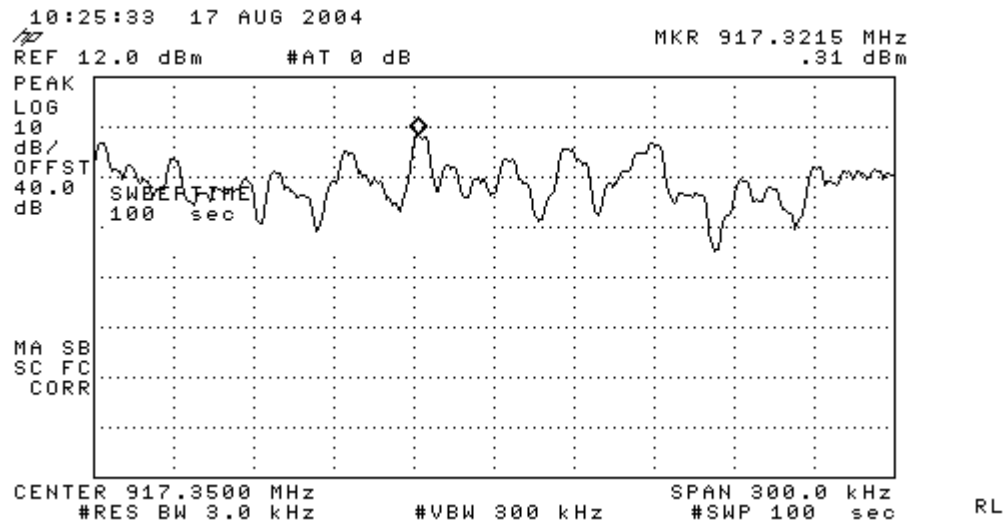
e. **Peak power spectral density of DSSS according 15.247d plots 118 - 129**



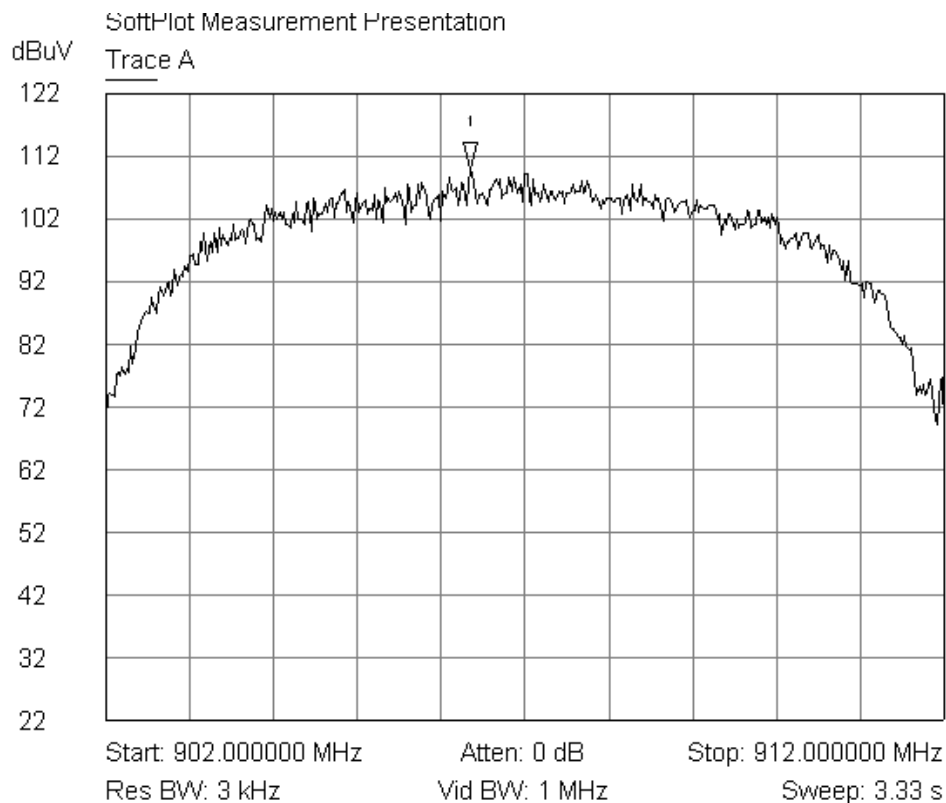




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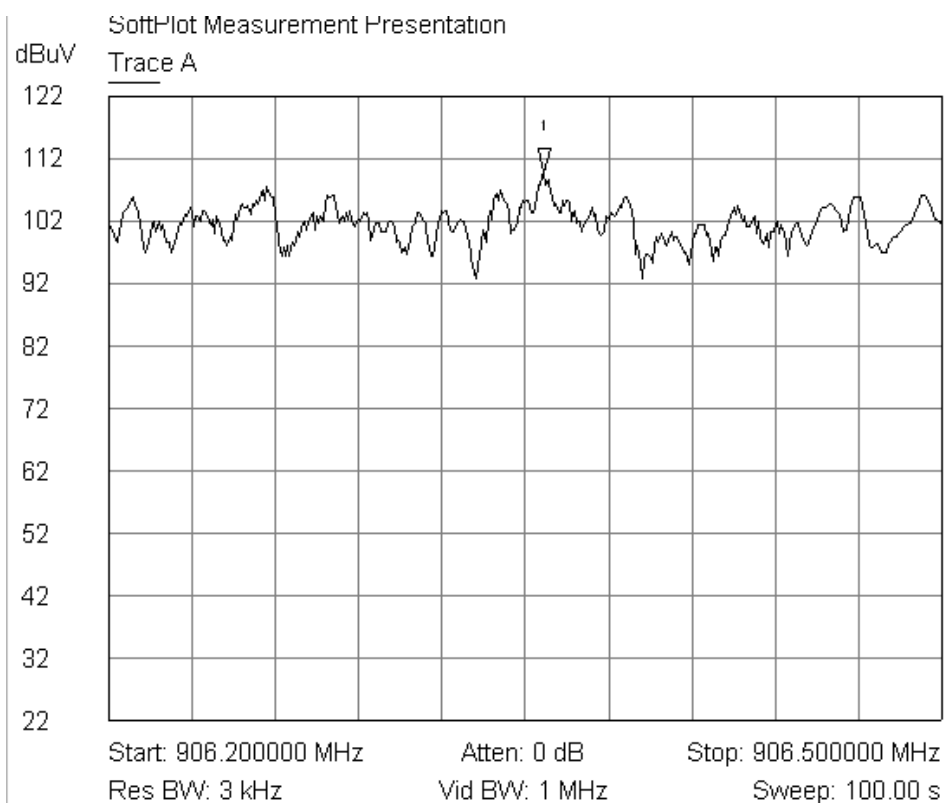


Plot / 279



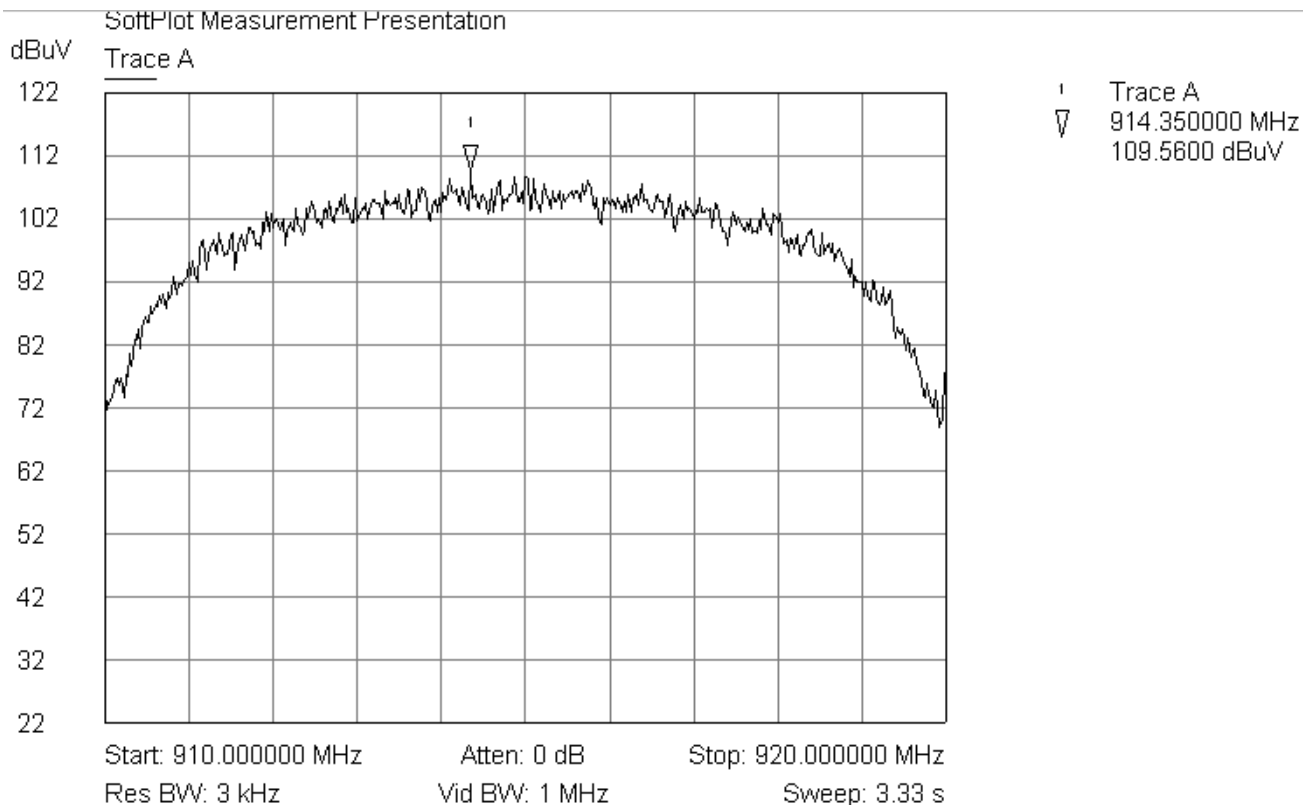
Trace A
906.350000 MHz
110.0300 dBuV

Plot / 280

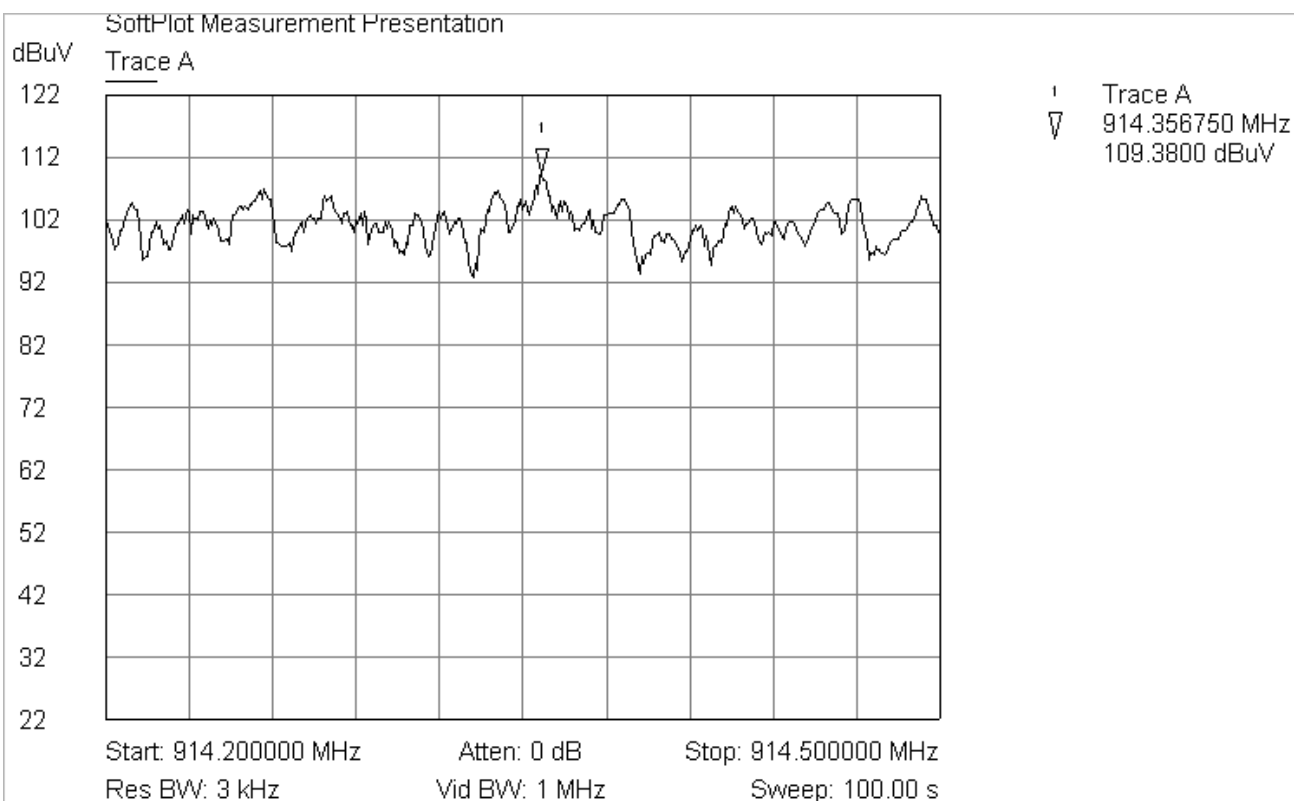


Trace A
906.356750 MHz
109.7200 dBuV

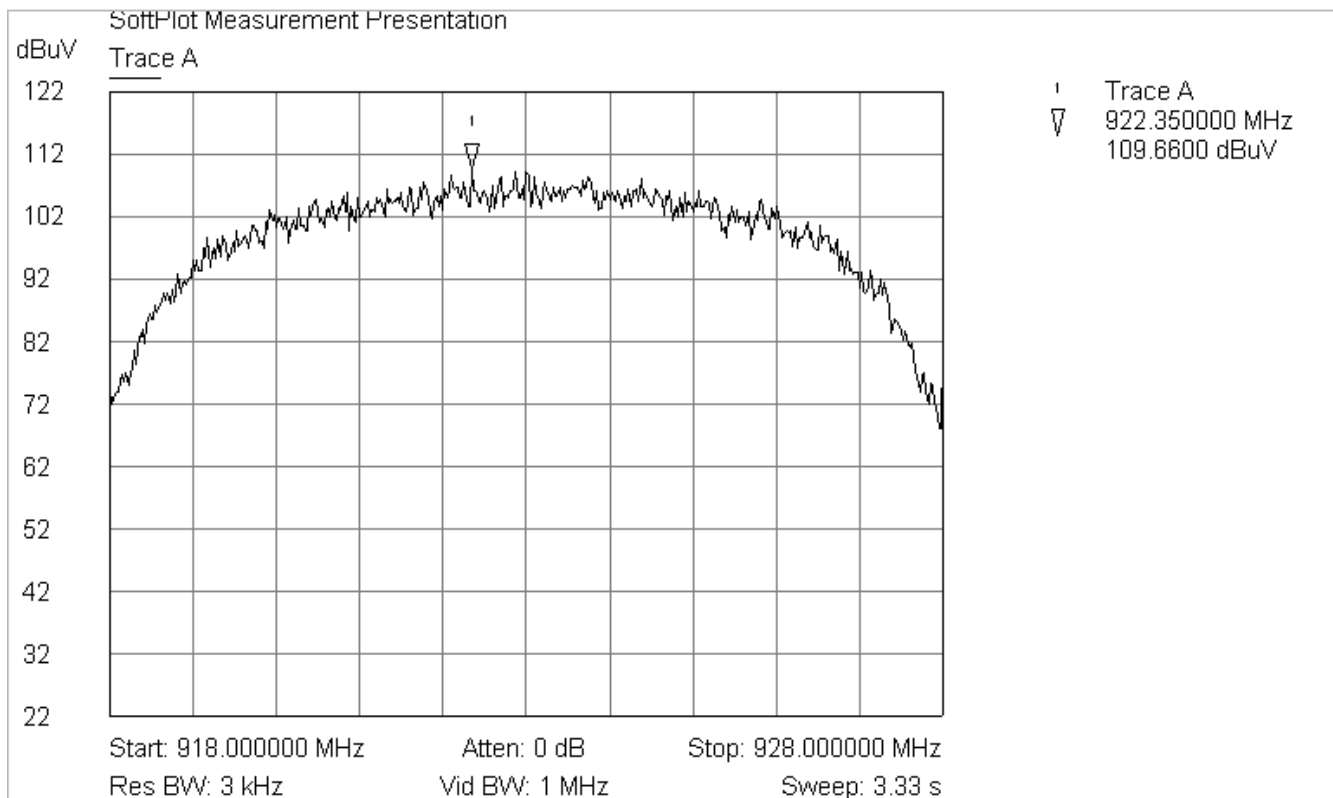
Plot / 281



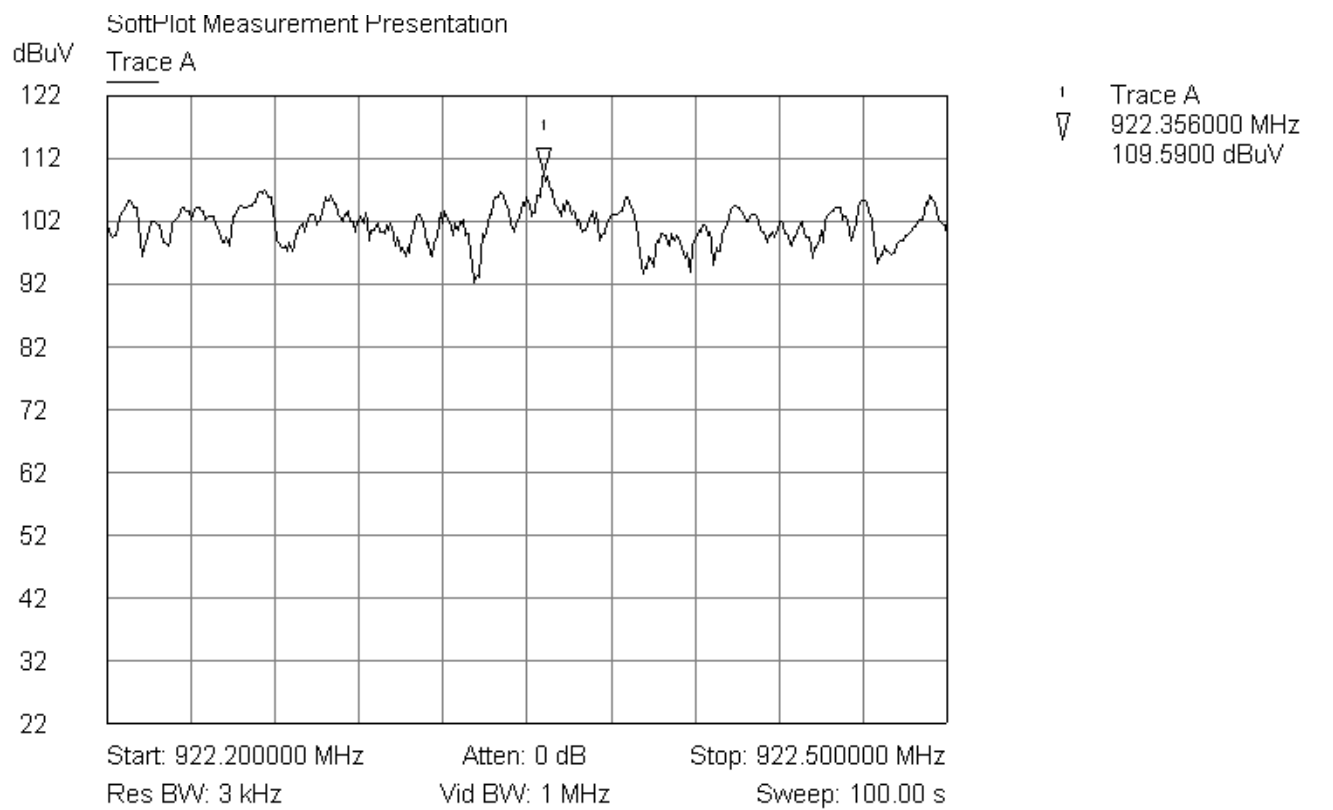
Plot / 282



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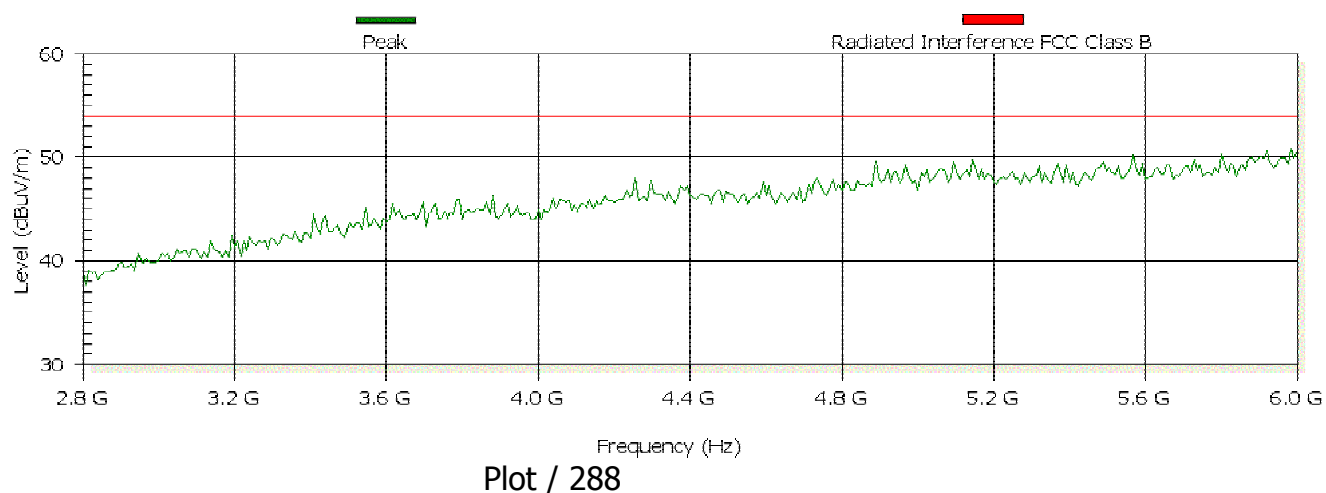
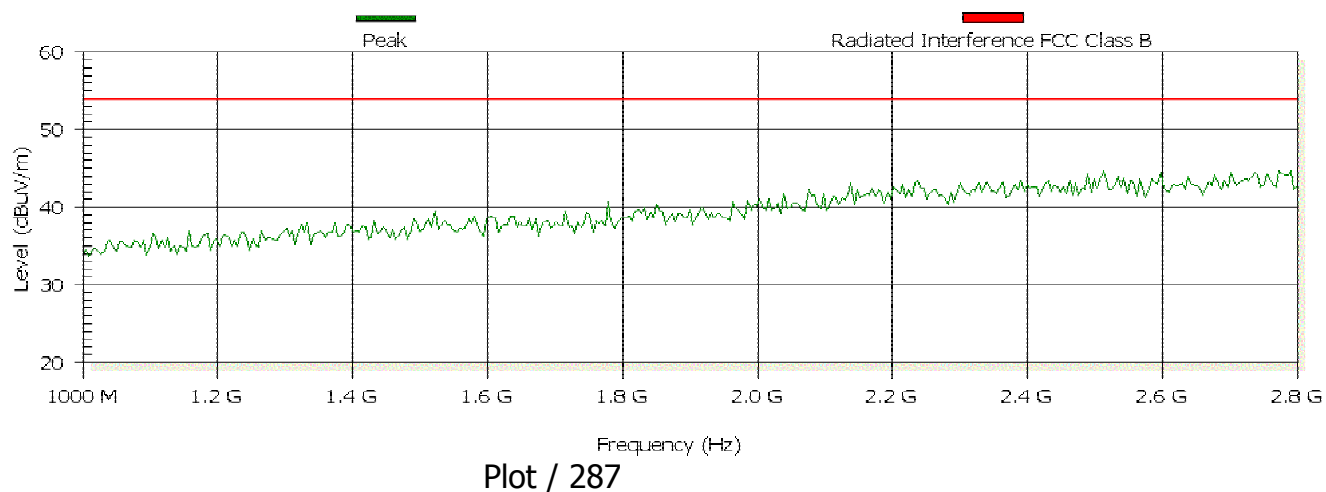
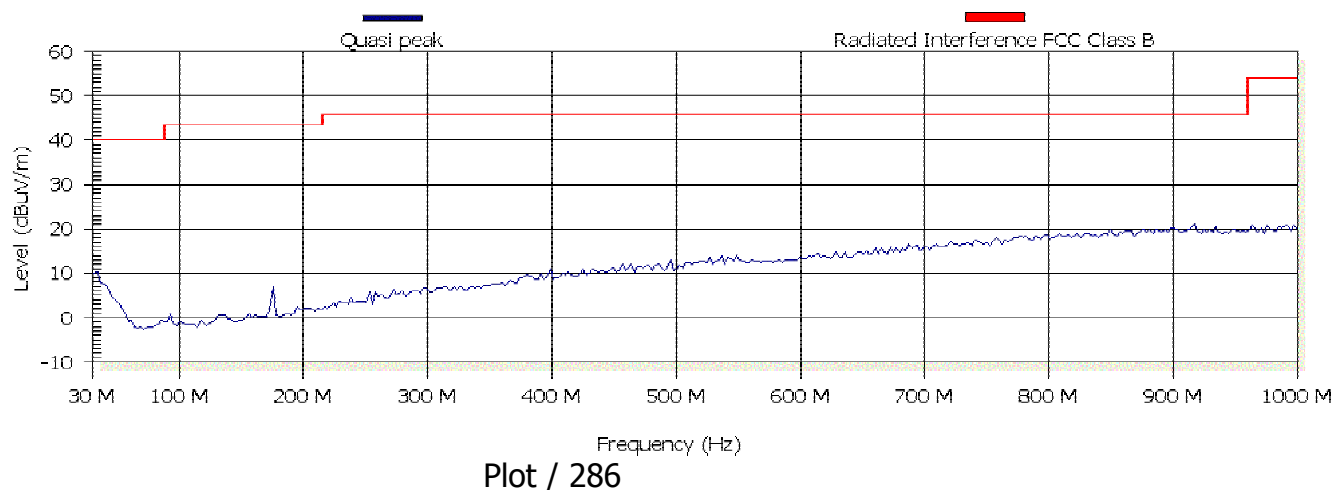


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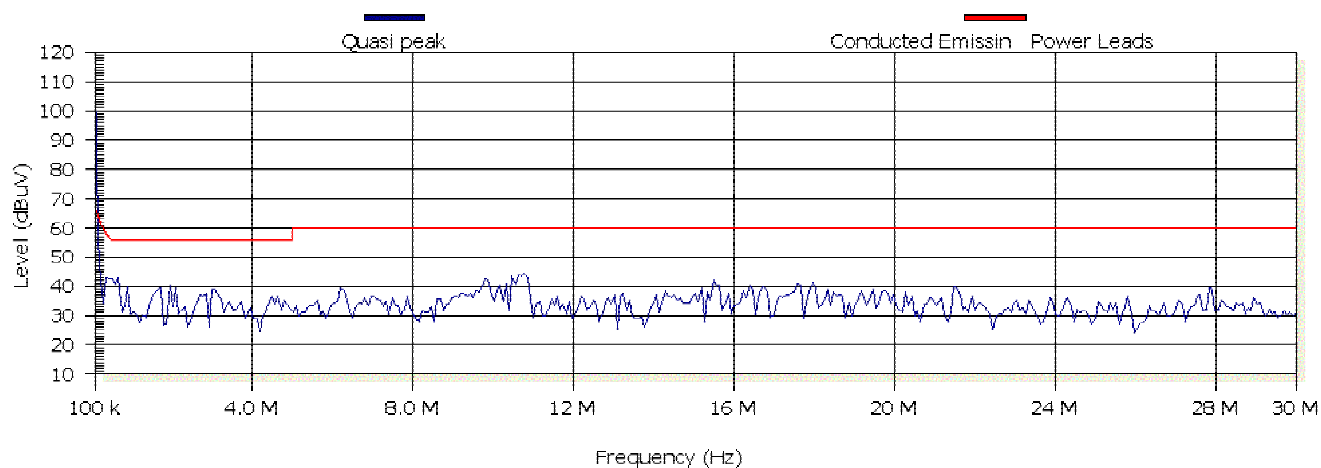
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f. Unintentional Radiated Emission Plots



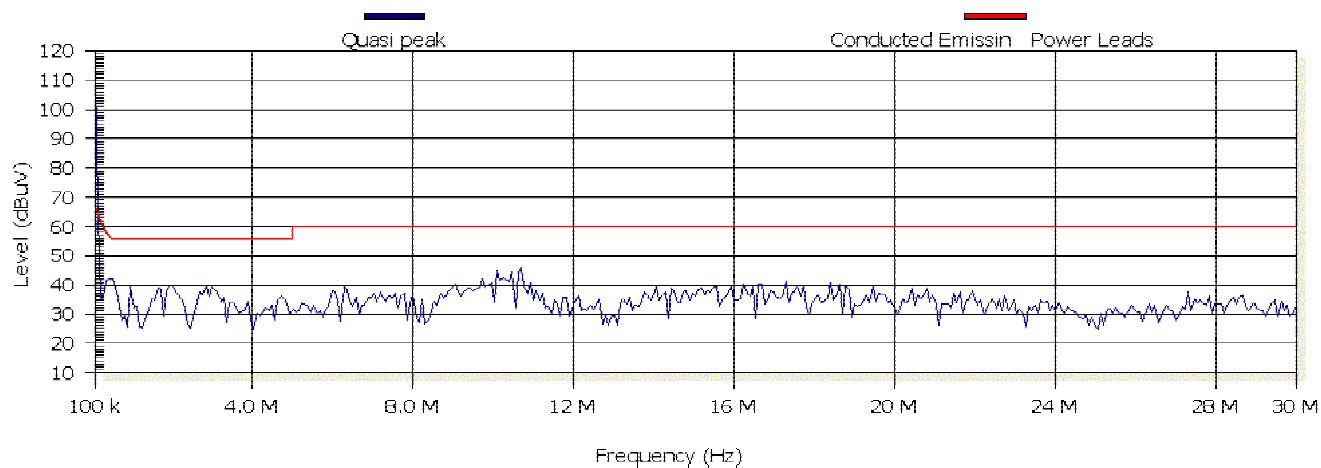
Conducted Emission

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



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



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(3)

12 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-C468 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-C468 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		

13 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 band width
S/N	Serial number
VBW	Video bandwidth