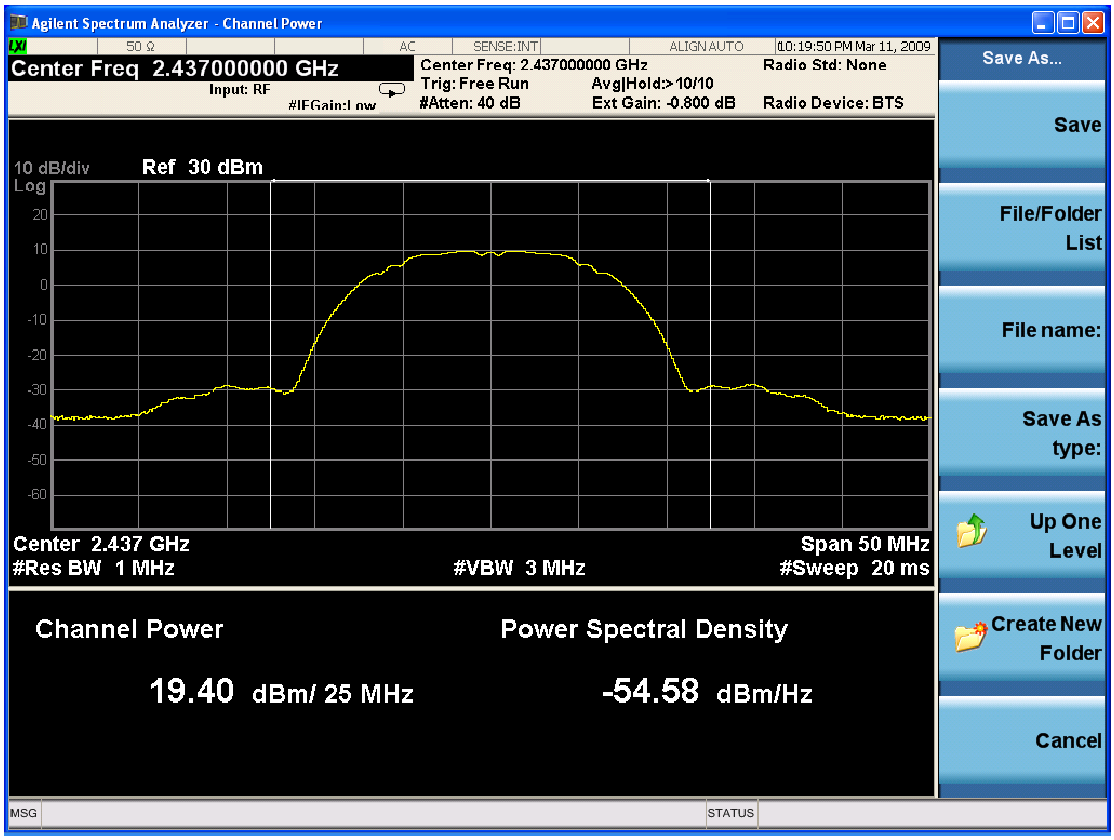
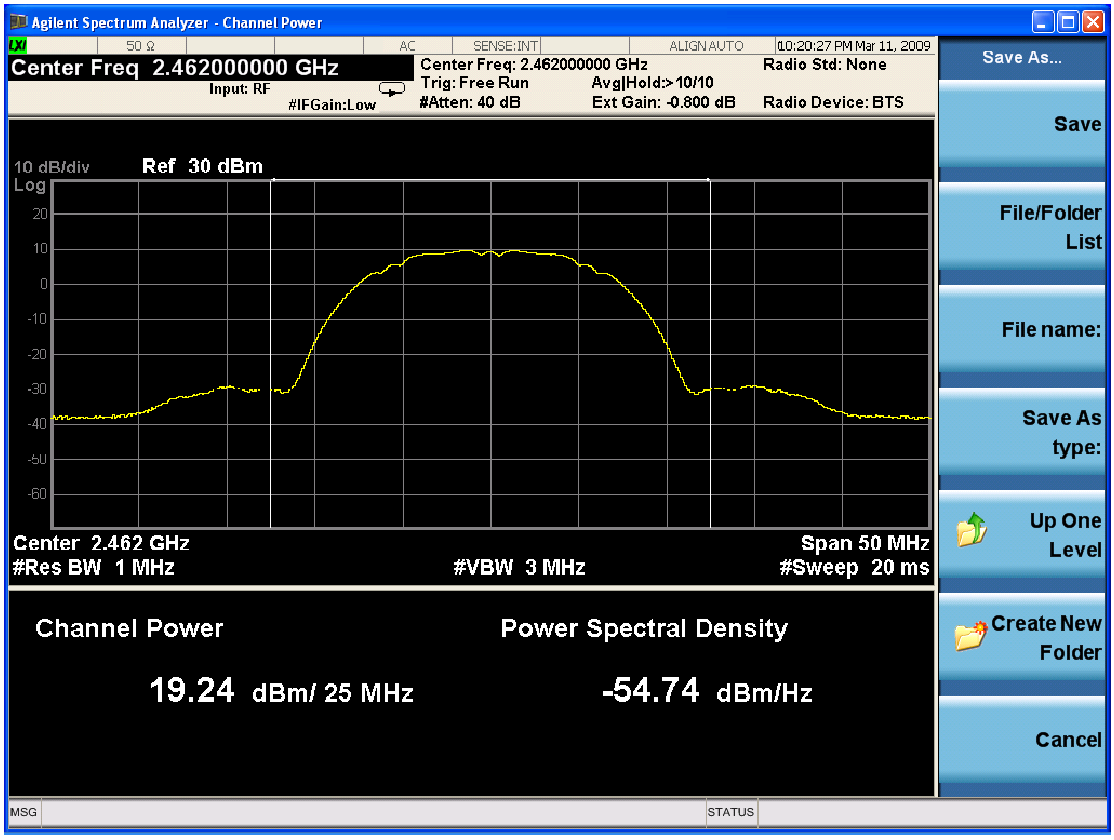
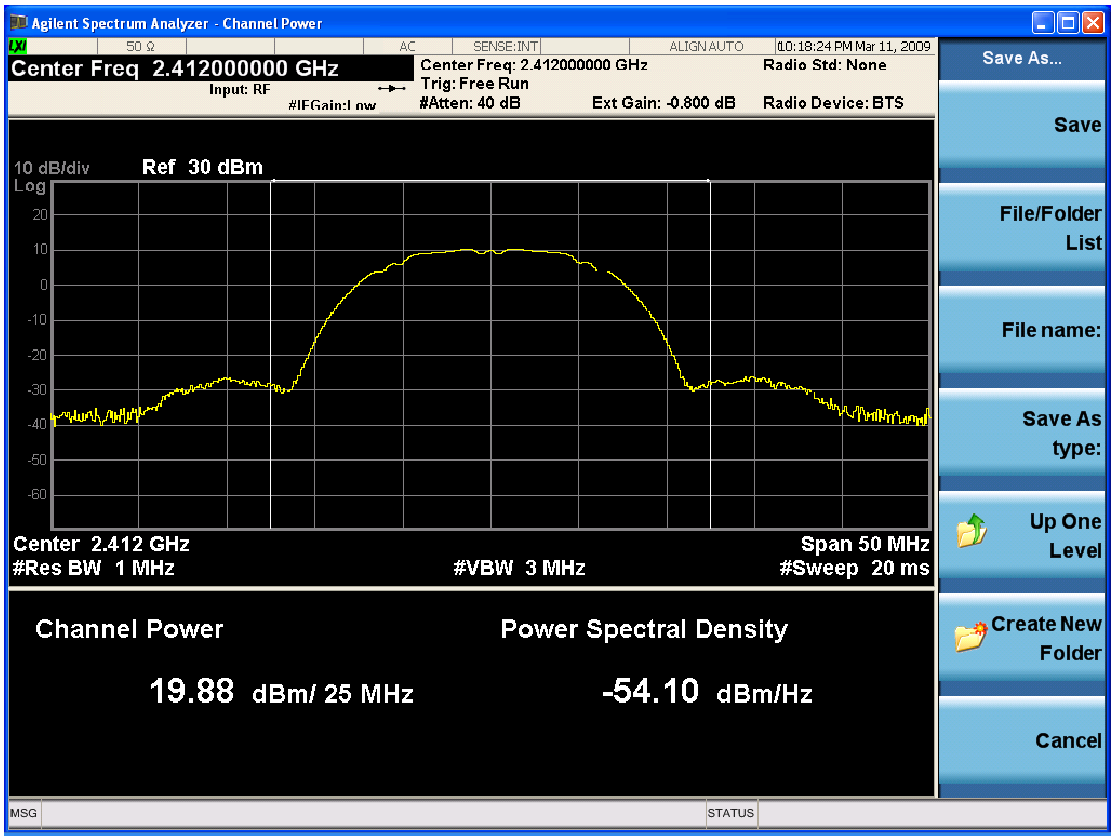
1.) Thank you for your modification to the SAR report. But the photos moved to the Test Setup
exhibit are not as informative as those in the original SAR report. These first photos include
important information showing where the antennas for this product are located. In addition, the
single SAR test setup photo available showing how this product is placed on the phantom is
very dark and unreadable. It would be very helpful to create a better, clearer, larger photo.
QTK: Please refer to updated test setup photo file.

2.) Please review the revised block diagram, page 1. There is still a Bluetooth device shown on
the block diagram. Please review and explain.
QTK: Please refer to updated block diagram.

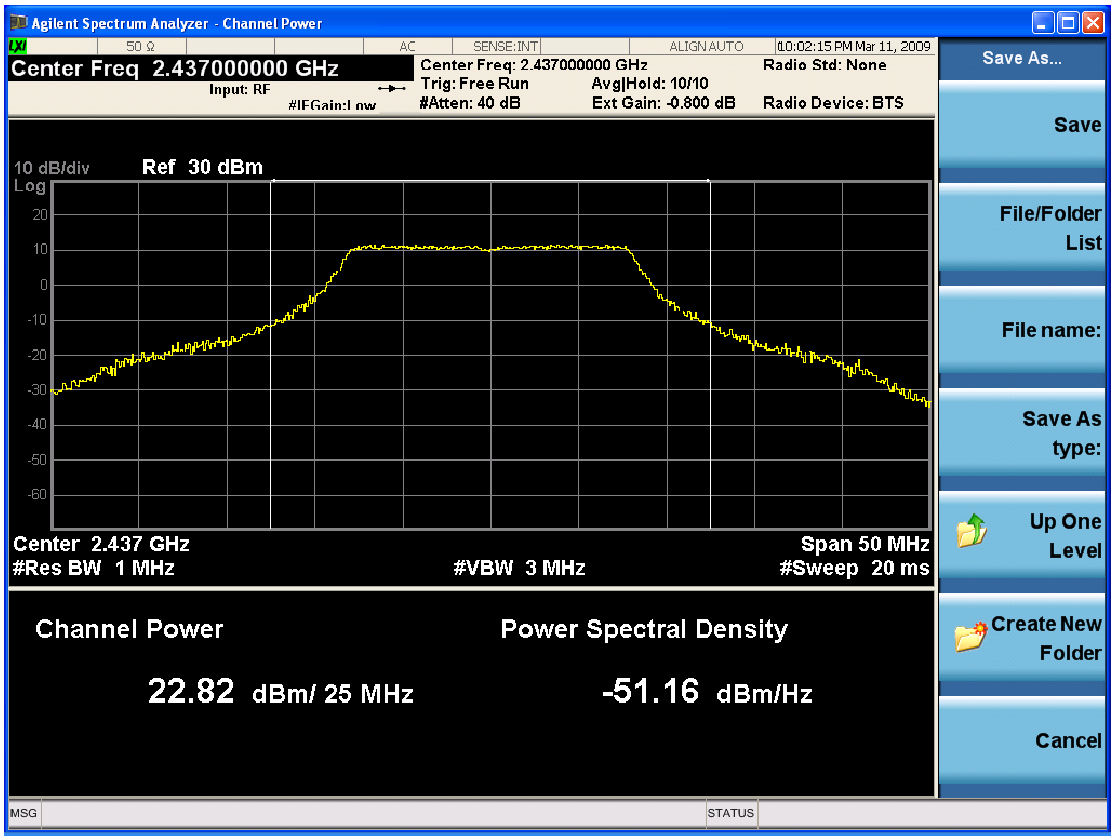
3.) I understand your perspective, but please remember that spectrum analyzers are never as
accurate as power meters in terms of absolute accuracy. In general, manufacturers guarantee
accuracy of spectrum analyzers to +/-1dB (~25%). But the accuracy of a power meter is
typically 5%. It is still good practice and good procedure for any SAR laboratory to make its
own independent RF power measurements, and not depend on channel power measurements from the EMC lab. Kindly review and recheck your RF power measurements
with your broadband Anritsu.
QTK: We performed conducted output power measurements, and made a list table as attached file"Power Meter_Spectrum"
In this table, we used the same EUT to measure output power via power meter & spectrum.
We provide the measured data via spectrum channel power to prove that they should be the same theoretically.
The peak conducted power used power meter will be updated in the SAR report.
Please refer to following plots.


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:19:50 PM Mar 11, 2009
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
19.40 dBm/ 25 MHz
Power Spectral Density
-54.58 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS

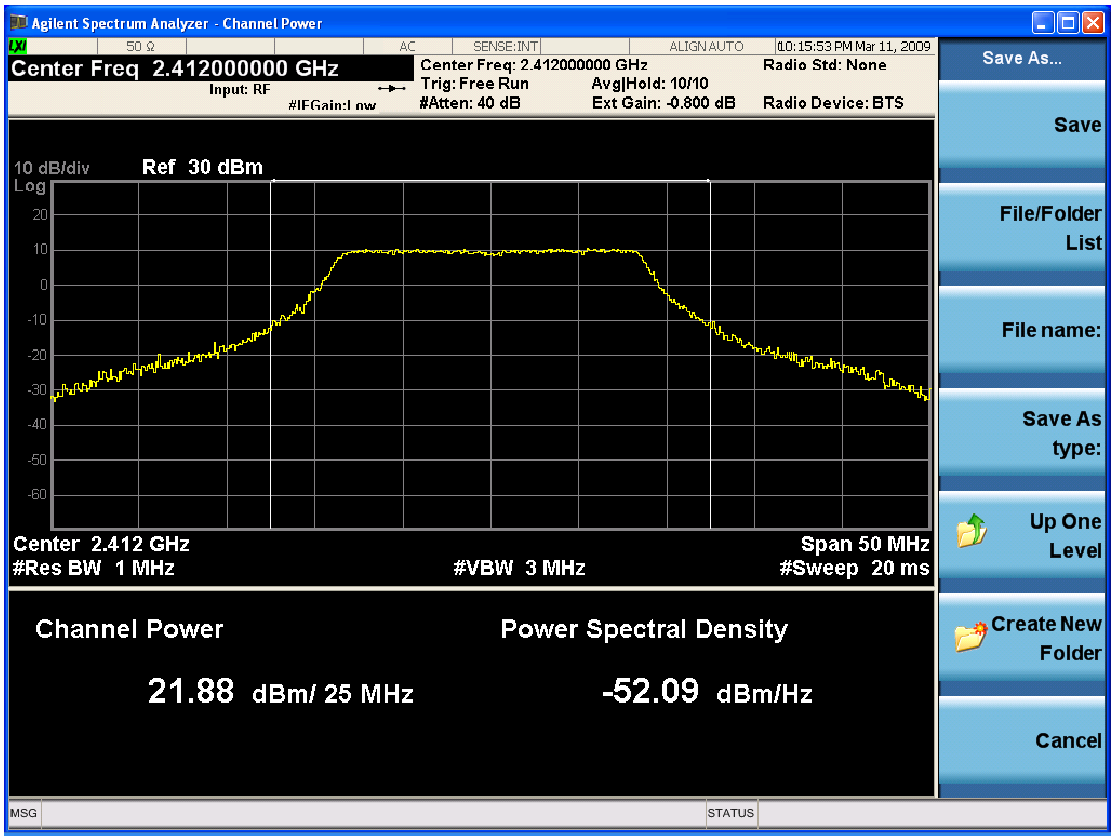

Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:20:27 PM Mar 11, 2009
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
19.24 dBm/ 25 MHz
Power Spectral Density
-54.74 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS

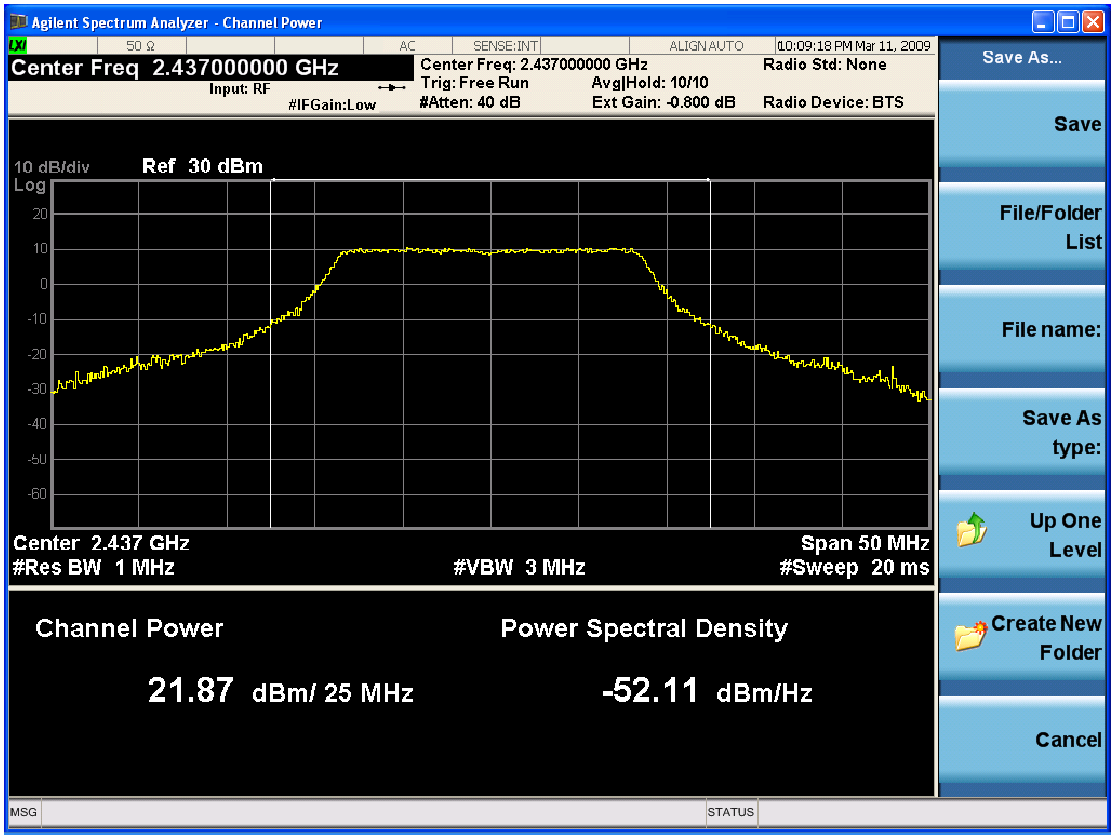

Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:18:24 PM Mar 11, 2009
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
19.88 dBm/ 25 MHz
Power Spectral Density
-54.10 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS

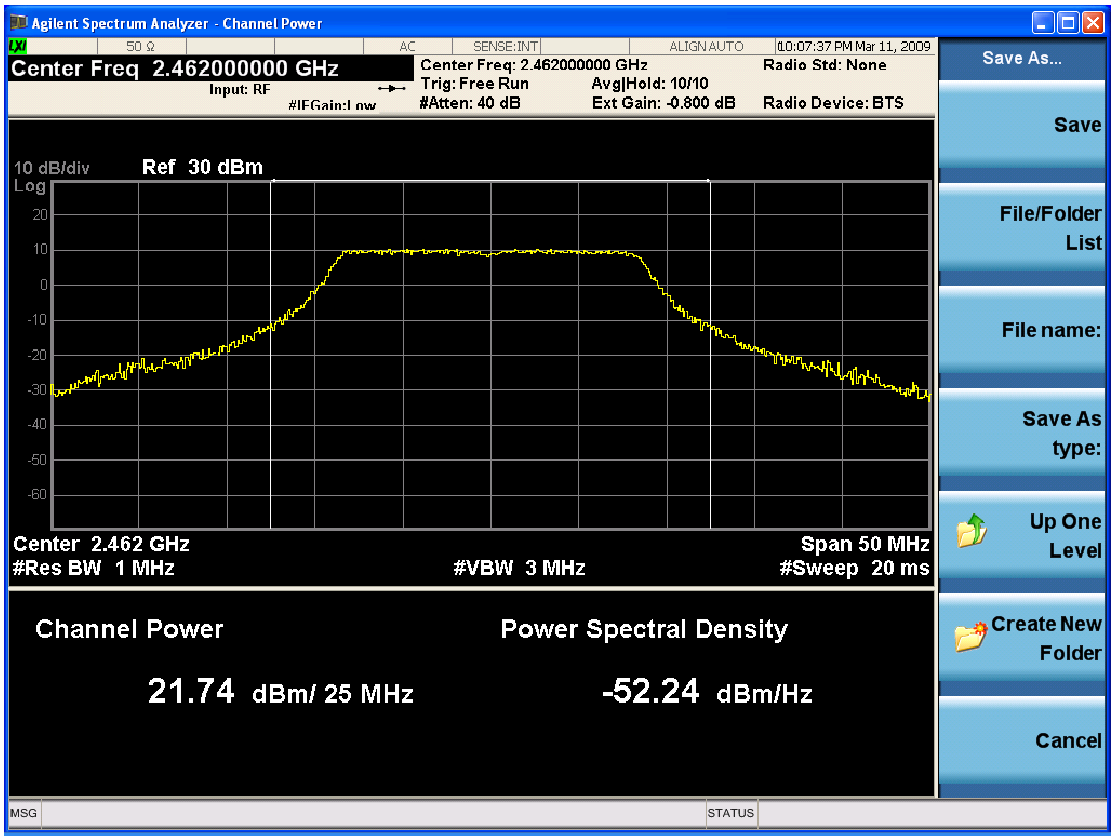

Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:01:14 PM Mar 11, 2009
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
23.11 dBm/ 25 MHz
Power Spectral Density
-50.87 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS

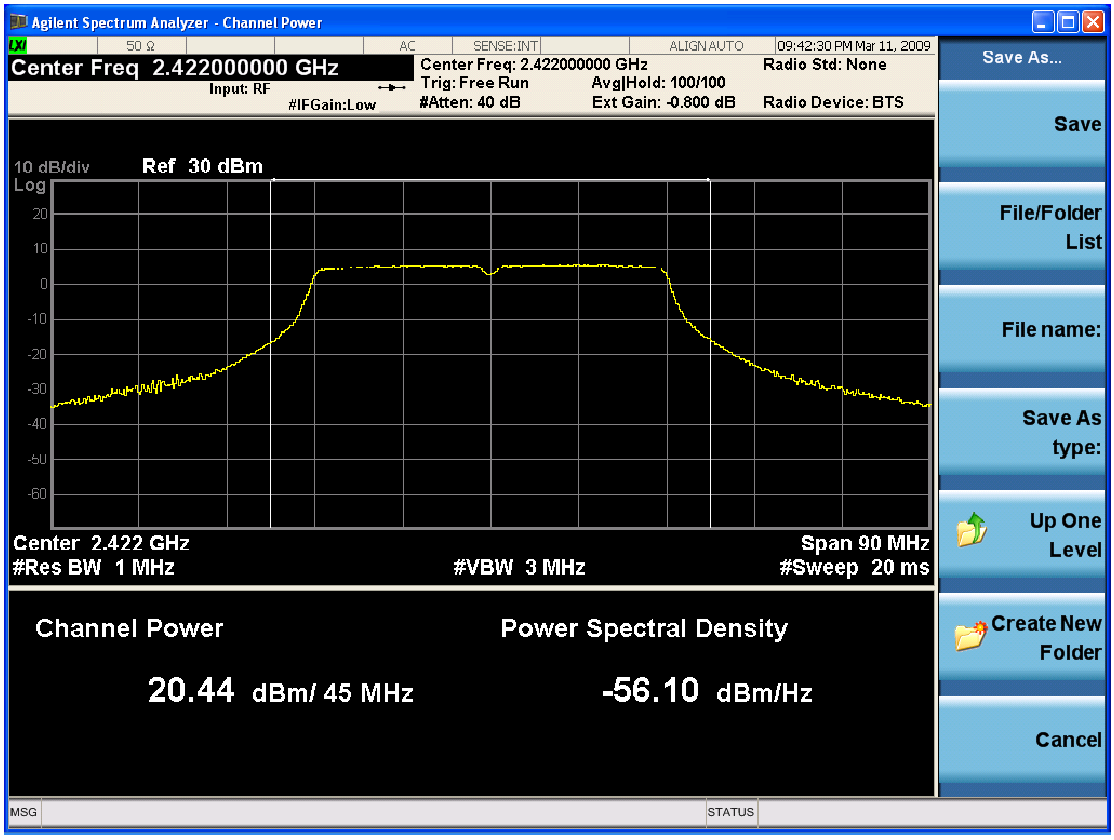

Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:02:15 PM Mar 11, 2009
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
22.82 dBm/ 25 MHz
Power Spectral Density
-51.16 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS

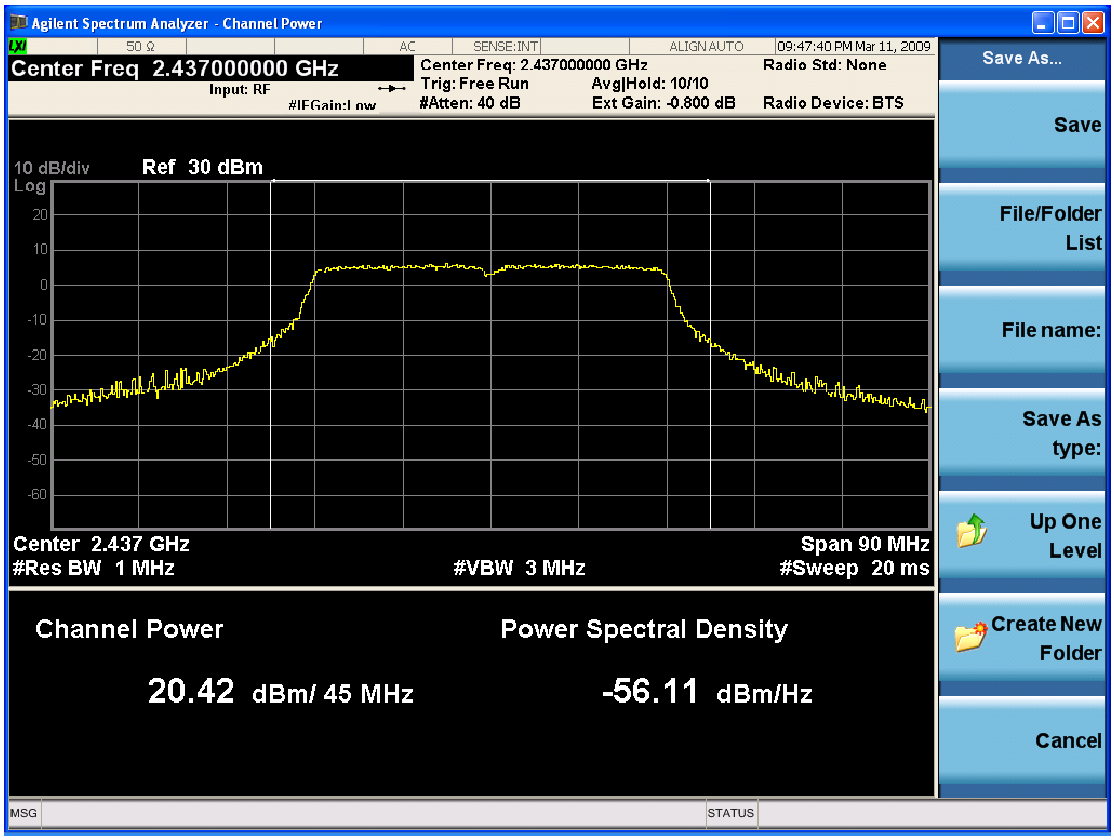

Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:03:11 PM Mar 11, 2009
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
22.99 dBm/ 25 MHz
Power Spectral Density
-50.99 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS

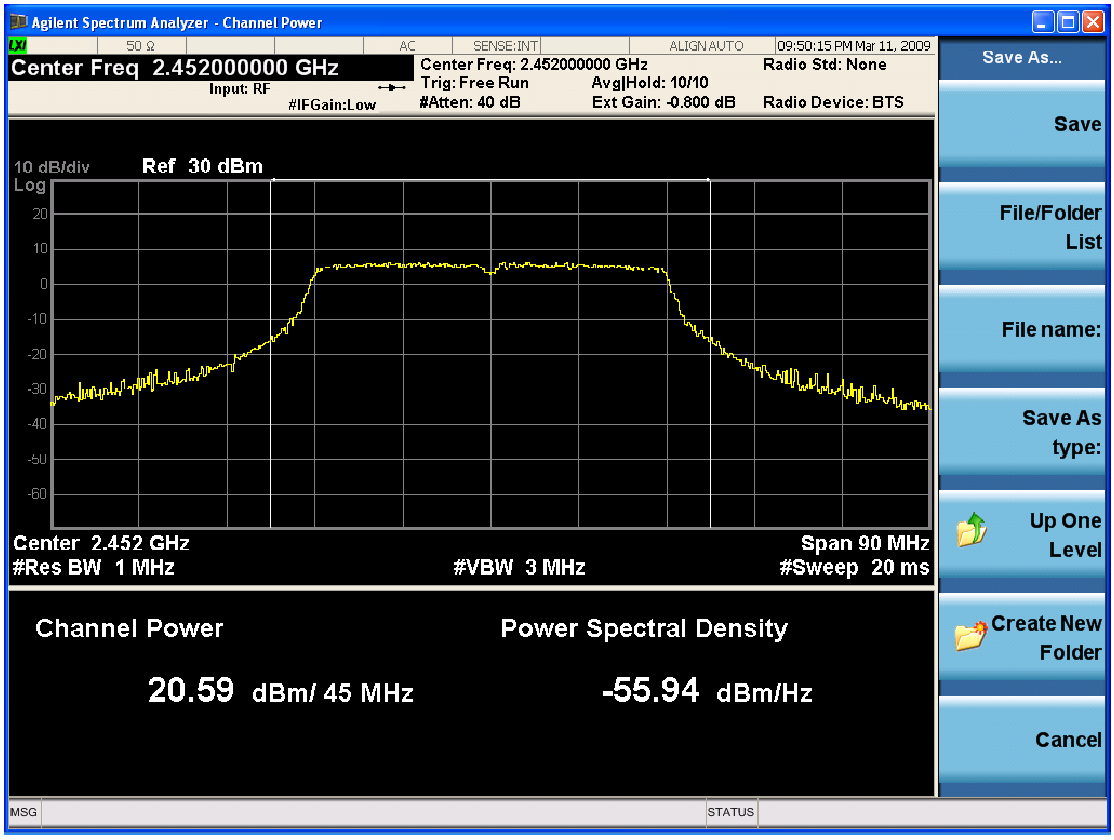

Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:15:53 PM Mar 11, 2009
Center Freq 2.412000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.412000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.412 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
21.88 dBm/ 25 MHz
Power Spectral Density
-52.09 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:09:18 PM Mar 11, 2009
Center Freq 2.437000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Log
Ref 30 dBm
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.437 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
21.87 dBm/ 25 MHz
Power Spectral Density
-52.11 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
10:07:37 PM Mar 11, 2009
Center Freq 2.462000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.462 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 50 MHz
#Sweep 20 ms
Channel Power
21.74 dBm/ 25 MHz
Power Spectral Density
-52.24 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS


Agilent Spectrum Analyzer - Channel Power
50 Ω
AC
SENSE:INT
ALIGN AUTO
09:42:30 PM Mar 11, 2009
Center Freq 2.422000000 GHz
Input: RF
#IFGain:Low
Center Freq: 2.422000000 GHz
Trig: Free Run
Avg|Hold: 100/100
#Atten: 40 dB
Ext Gain: -0.800 dB
Radio Std: None
Radio Device: BTS
10 dB/div
Ref 30 dBm
Log
20
10
0
-10
-20
-30
-40
-50
-60
Center 2.422 GHz
#Res BW 1 MHz
#VBW 3 MHz
Span 90 MHz
#Sweep 20 ms
Channel Power
20.44 dBm/ 45 MHz
Power Spectral Density
-56.10 dBm/Hz
Save As...
Save
File/Folder List
File name:
Save As type:
Up One Level
Create New Folder
Cancel
MSG
STATUS





4.) Please review your spectral power density test. The sweep time used does not conform to the requirements of 15.247.

QTK: We test spectral power density following procedure of public notice KDB558074, and select test method option 2. The information has been mentioned in the procedure of test report.