7. DTS Bandwidth

7.1. Test Equipment

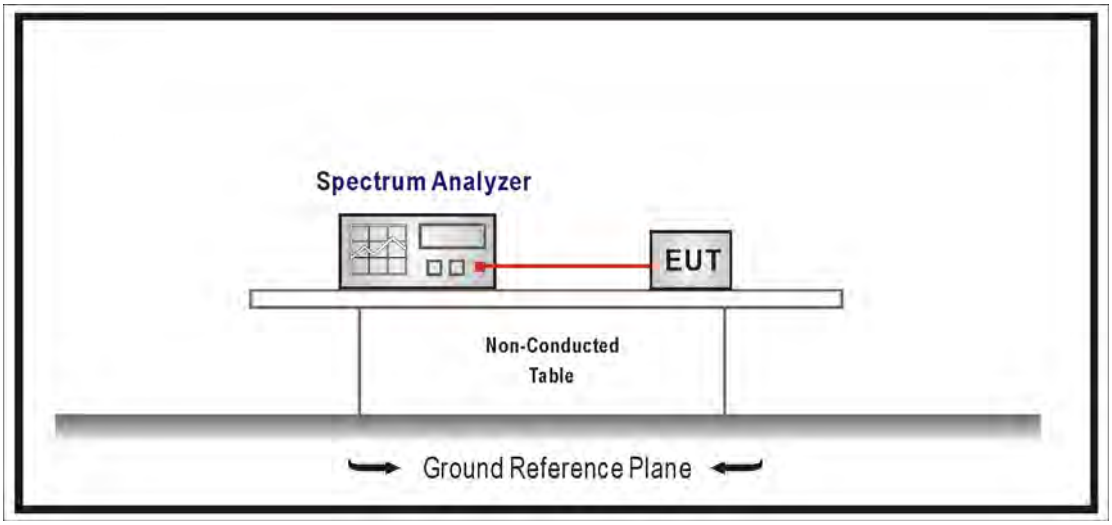
The following test equipments are used during the test:

DTS Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

Note: All equipments that need to calibrate are with calibration period of 1 year.

7.2. Test Setup



7.3. Test Procedures

The EUT was setup according to ANSI C63.10:2013; tested procedure section 8.1 of KDB558074 v03r05for compliance to FCC 47CFR 15.247 requirements. Set RBW = 100KHz, Set the VBW≧3xRBW, Sweep Time=Auto, Set Peak Detector.

7.4. Limits

The 6 dB bandwidth must be greater than 500 kHz.

7.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

7.6. Uncertainty

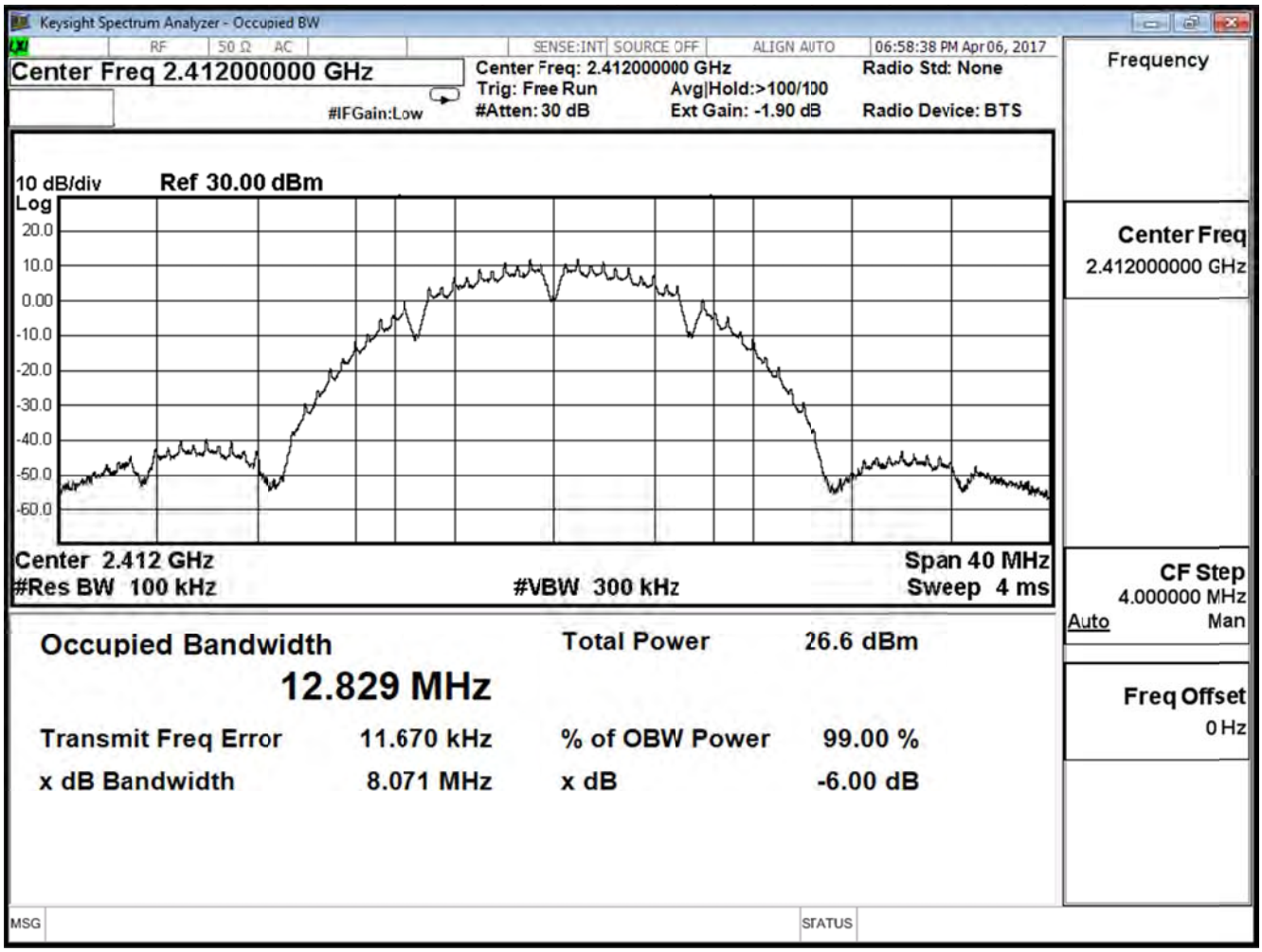
The measurement uncertainty is defined as ±150Hz

7.7. Test Result

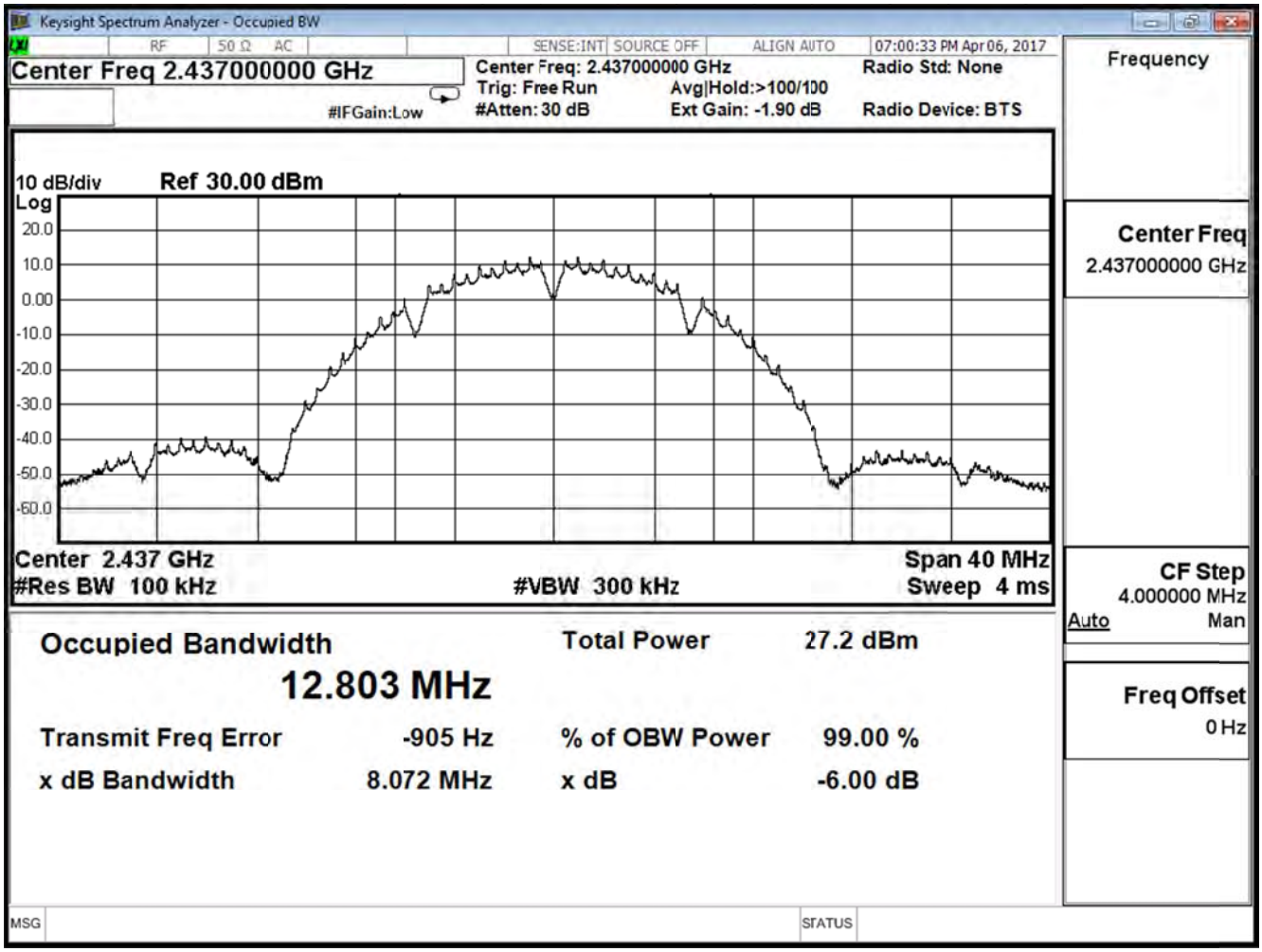
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/14	Test Site	SR10-H

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.07	≧0.5	Pass
6	2437	8.07	≧0.5	Pass
11	2462	8.08	≧0.5	Pass

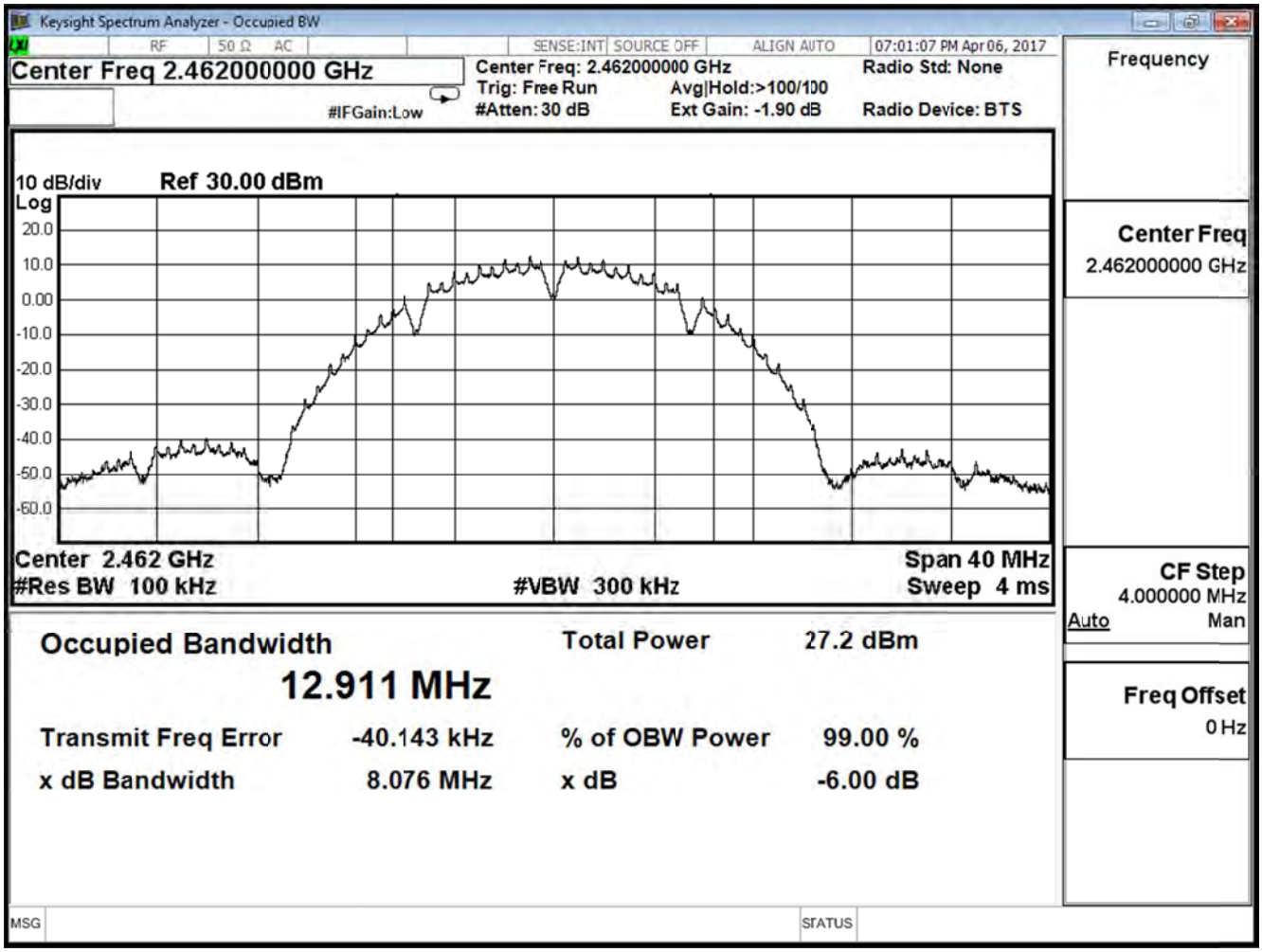
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
07:00:33 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
12.803 MHz
Total Power
27.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-905 Hz
% of OBW Power
99.00 %
x dB Bandwidth
8.072 MHz
x dB
-6.00 dB
MSG
STATUS

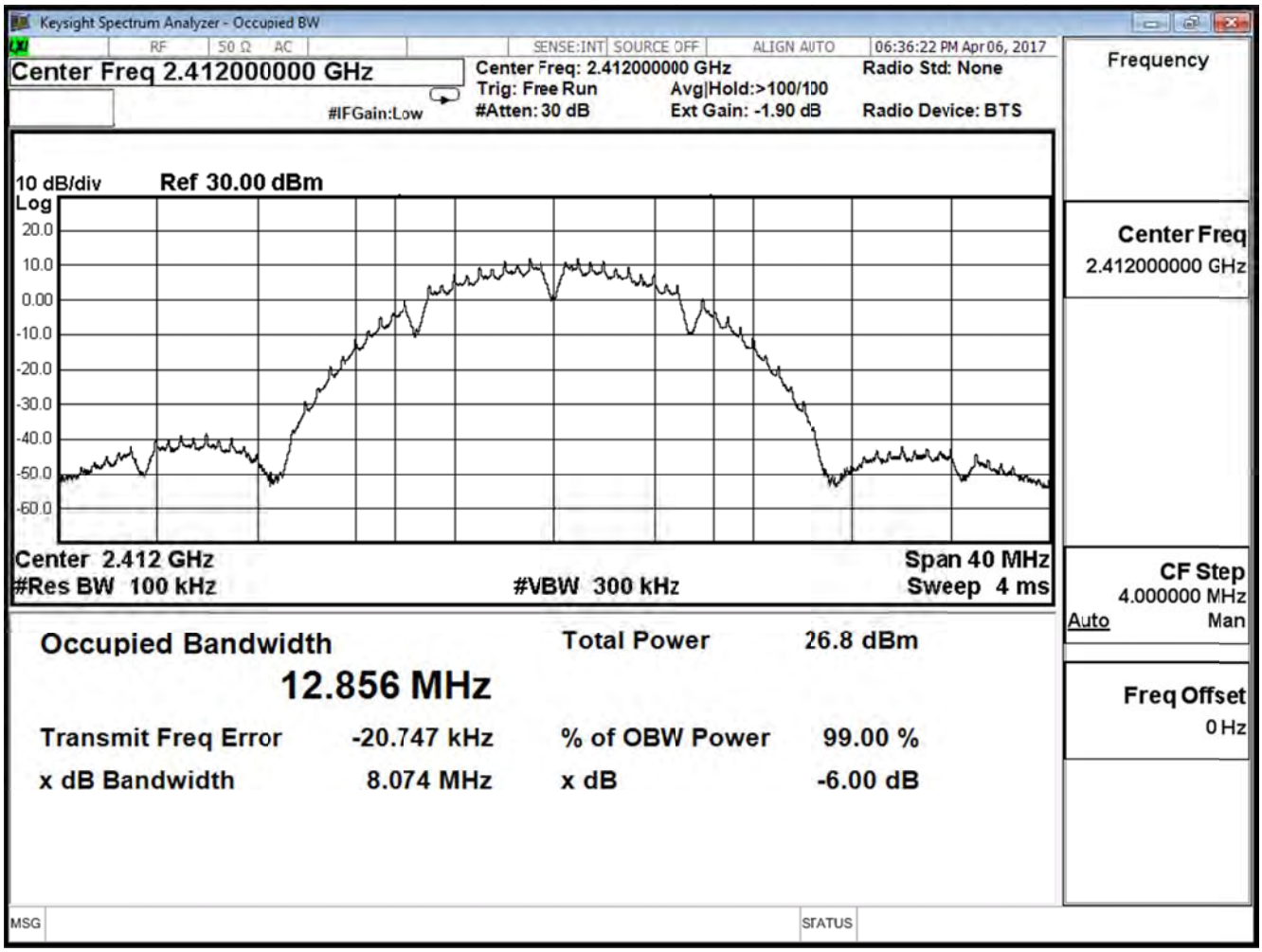
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
07:01:07 PM Apr 06, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
12.911 MHz
Total Power
27.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-40.143 kHz
% of OBW Power
99.00 %
x dB Bandwidth
8.076 MHz
x dB
-6.00 dB
MSG
STATUS

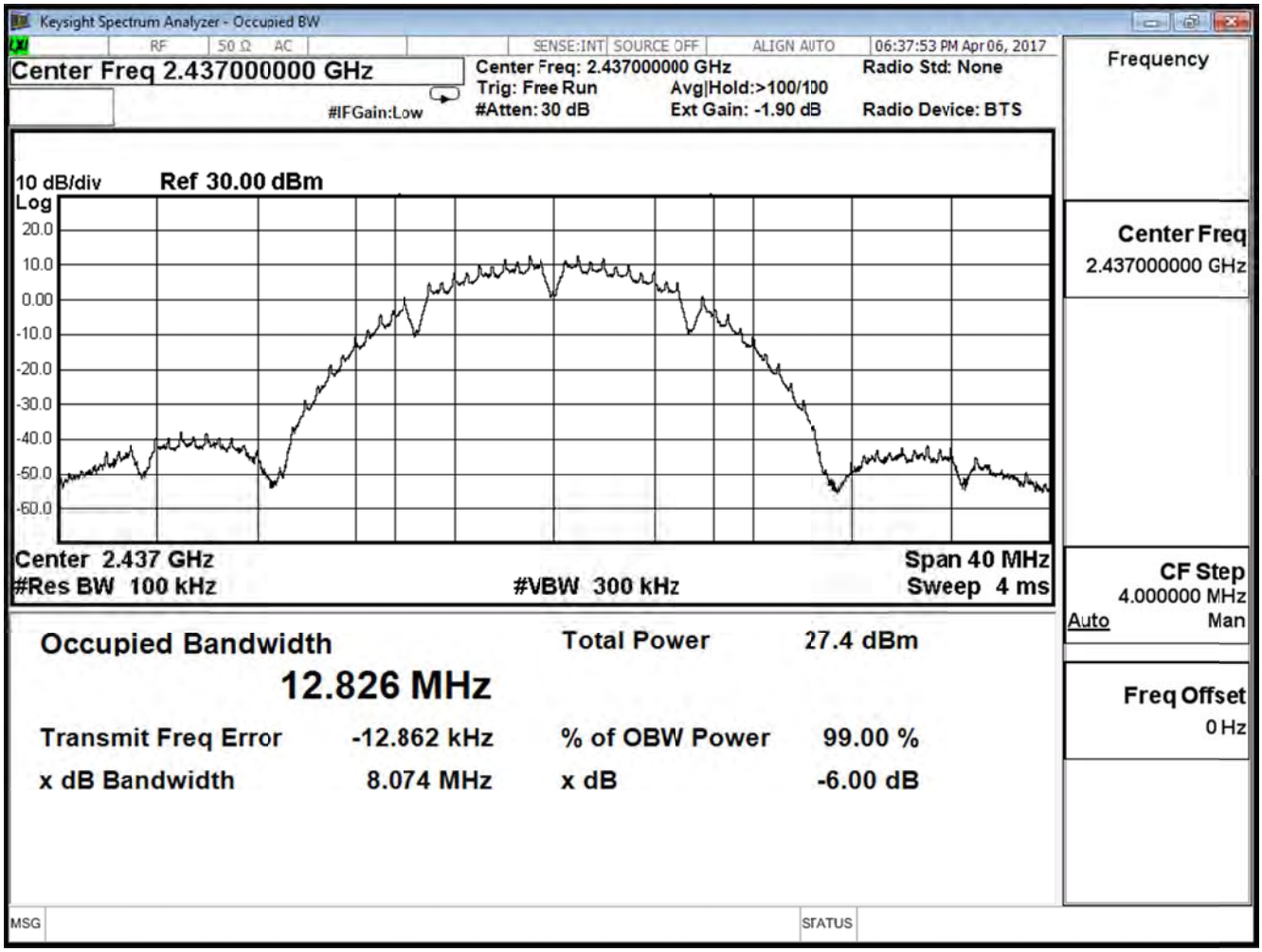
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/14	Test Site	SR10-H

802.11 b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	8.07	≧0.5	Pass
6	2437	8.07	≧0.5	Pass
11	2462	8.08	≧0.5	Pass

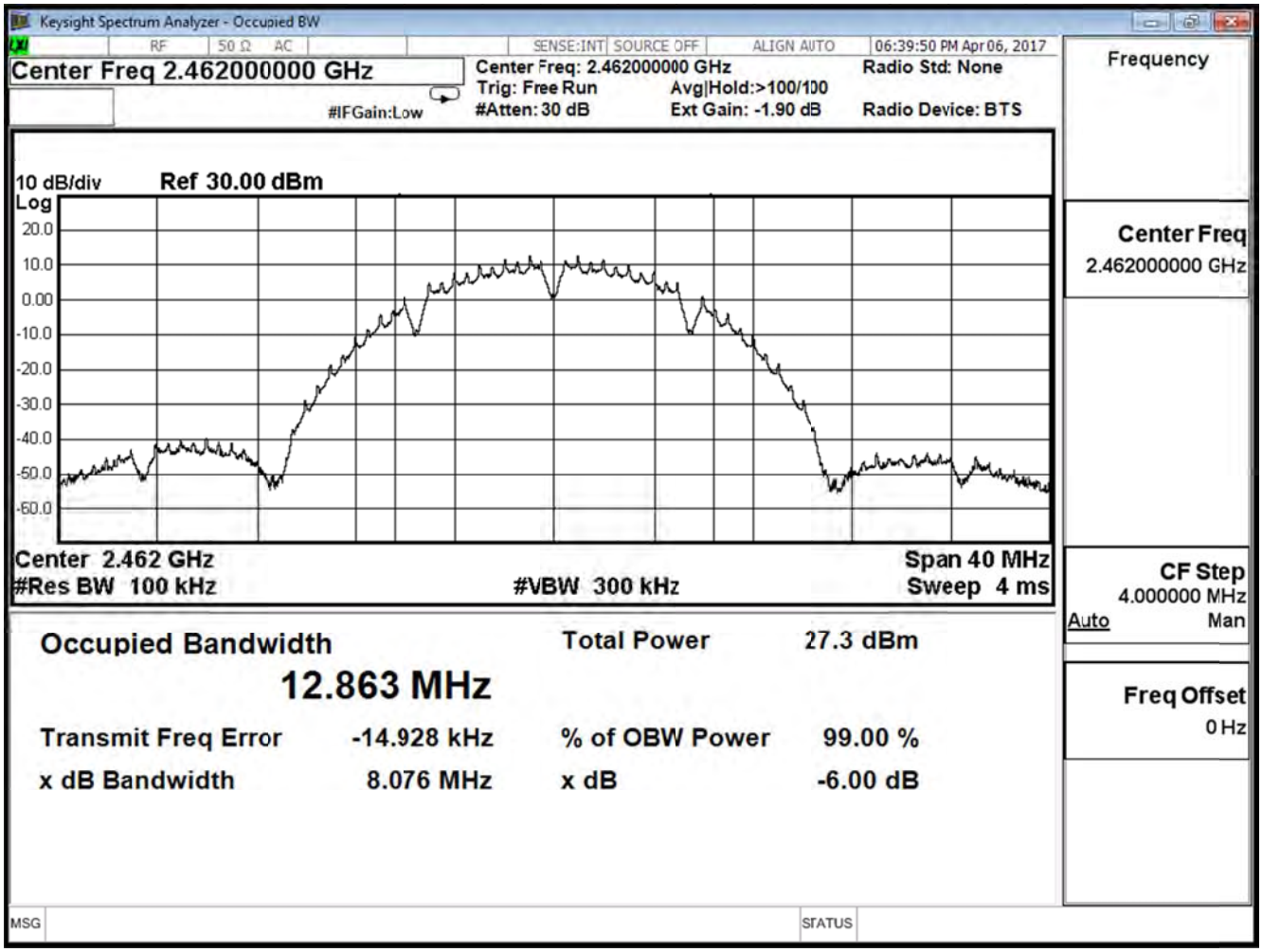
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
06:37:53 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
12.826 MHz
Total Power
27.4 dBm
Freq Offset
0 Hz
Transmit Freq Error
-12.862 kHz
% of OBW Power
99.00 %
x dB Bandwidth
8.074 MHz
x dB
-6.00 dB
MSG
STATUS

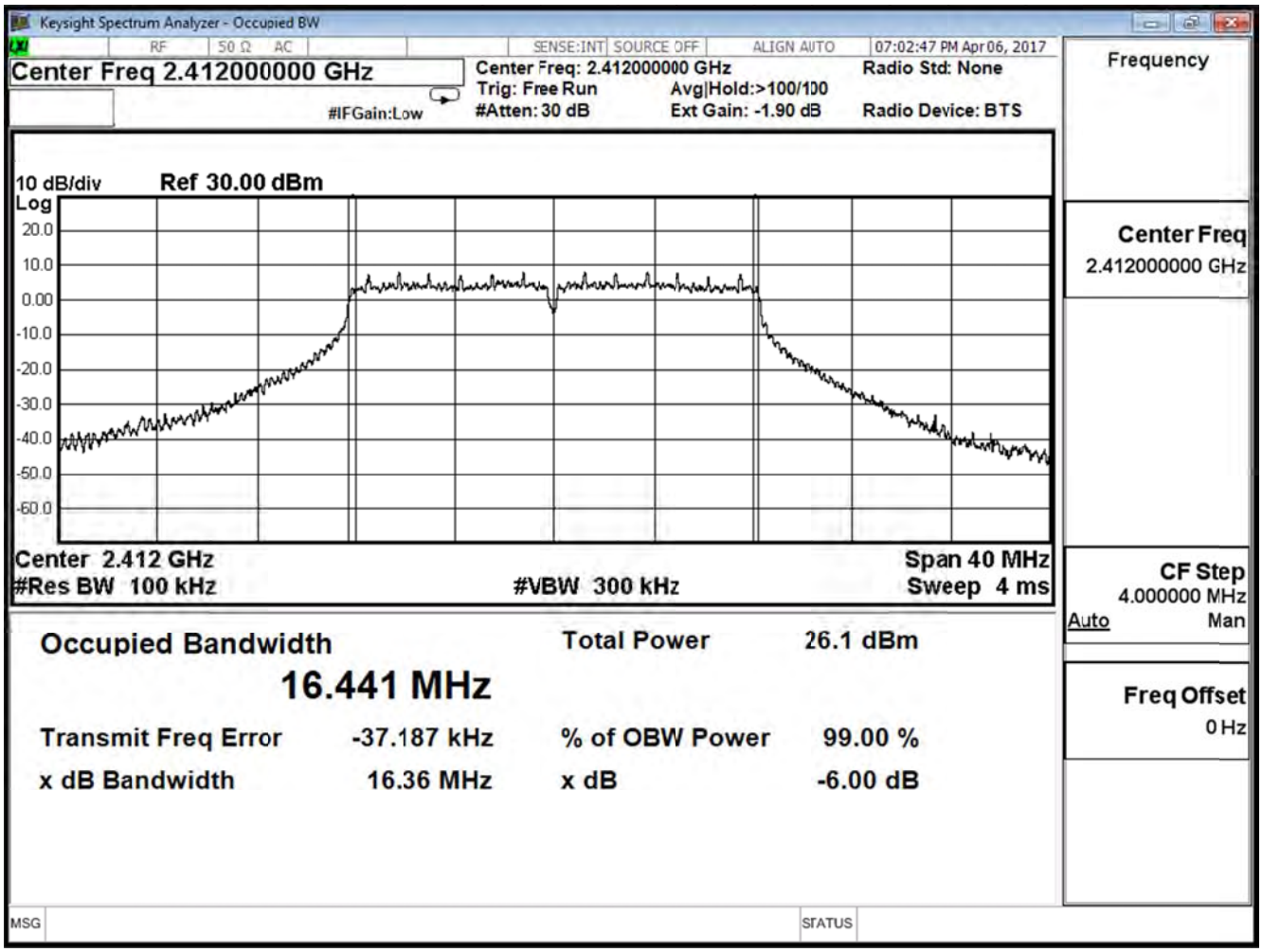
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT SOURCE OFF ALIGN AUTO 06:39:50 PM Apr 06, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run Avg|Hold:>100/100
#IFGain:Low #Atten: 30 dB Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto Man
Occupied Bandwidth
12.863 MHz
Total Power 27.3 dBm
Transmit Freq Error -14.928 kHz
% of OBW Power 99.00 %
x dB Bandwidth 8.076 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

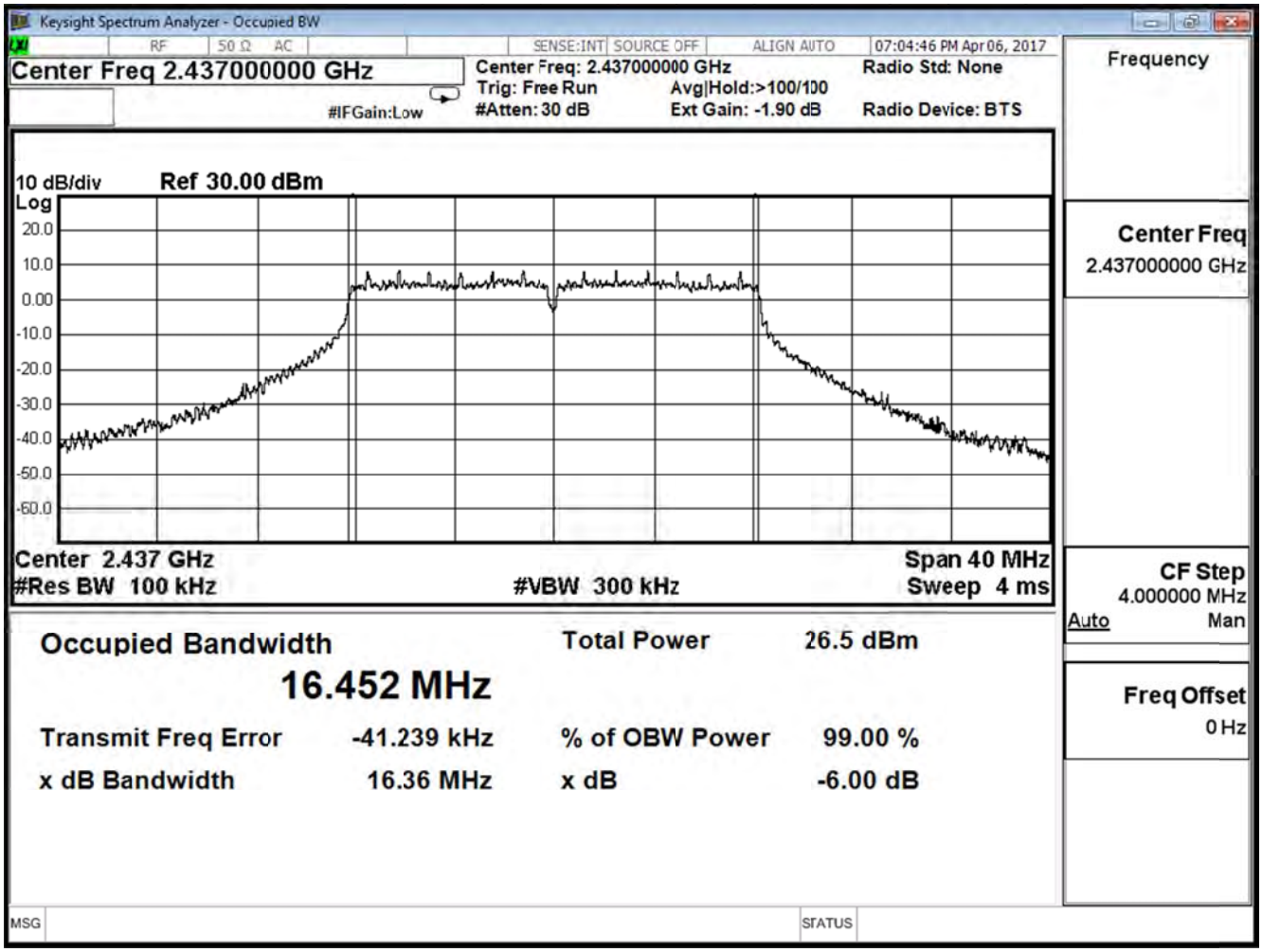
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/06	Test Site	SR10-H

802.11 g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.36	≧0.5	Pass
6	2437	16.36	≧0.5	Pass
11	2462	16.36	≧0.5	Pass

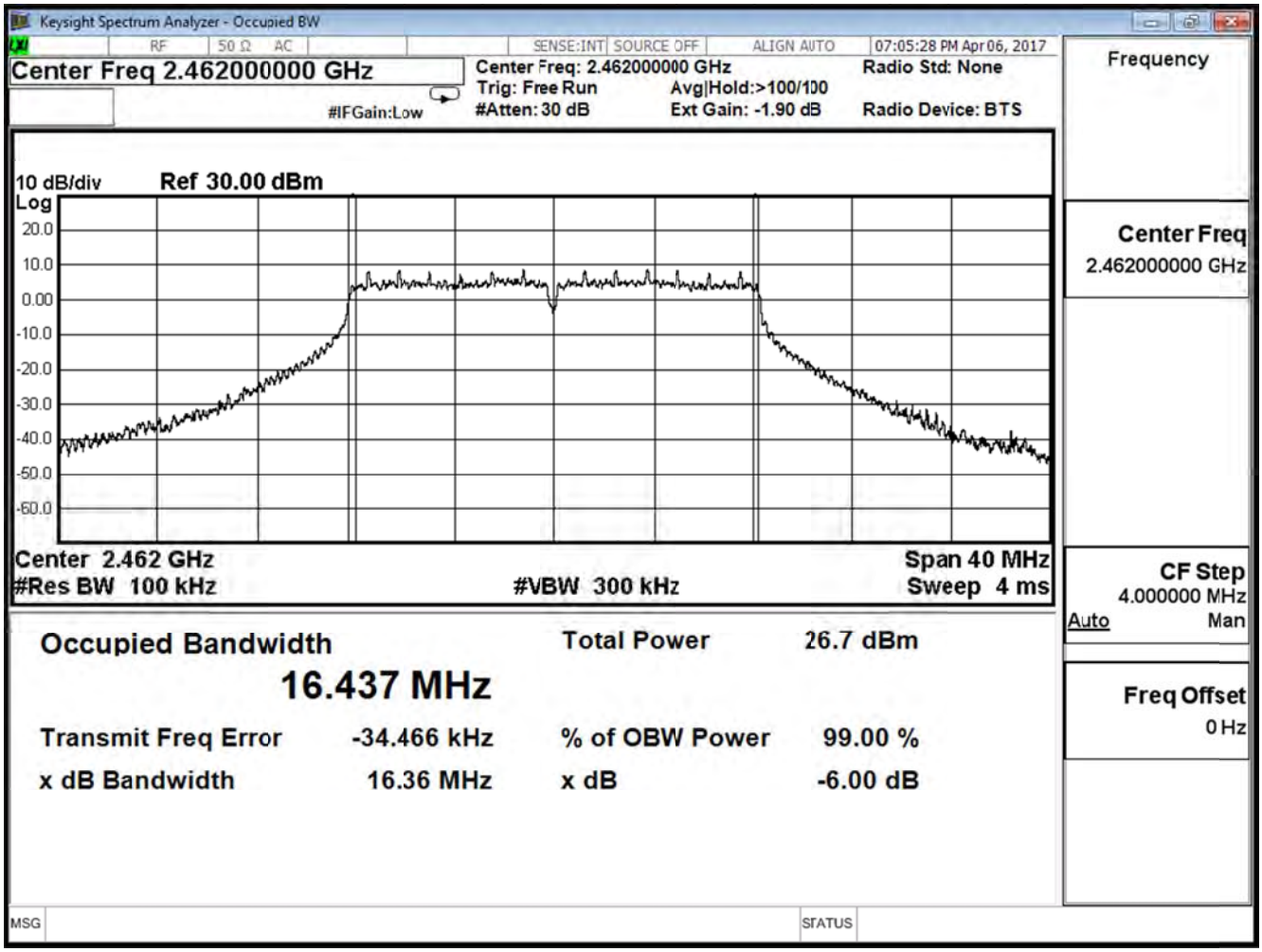
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
07:04:46 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.452 MHz
Total Power
26.5 dBm
Freq Offset
0 Hz
Transmit Freq Error
-41.239 kHz
% of OBW Power
99.00 %
x dB Bandwidth
16.36 MHz
x dB
-6.00 dB
MSG
STATUS

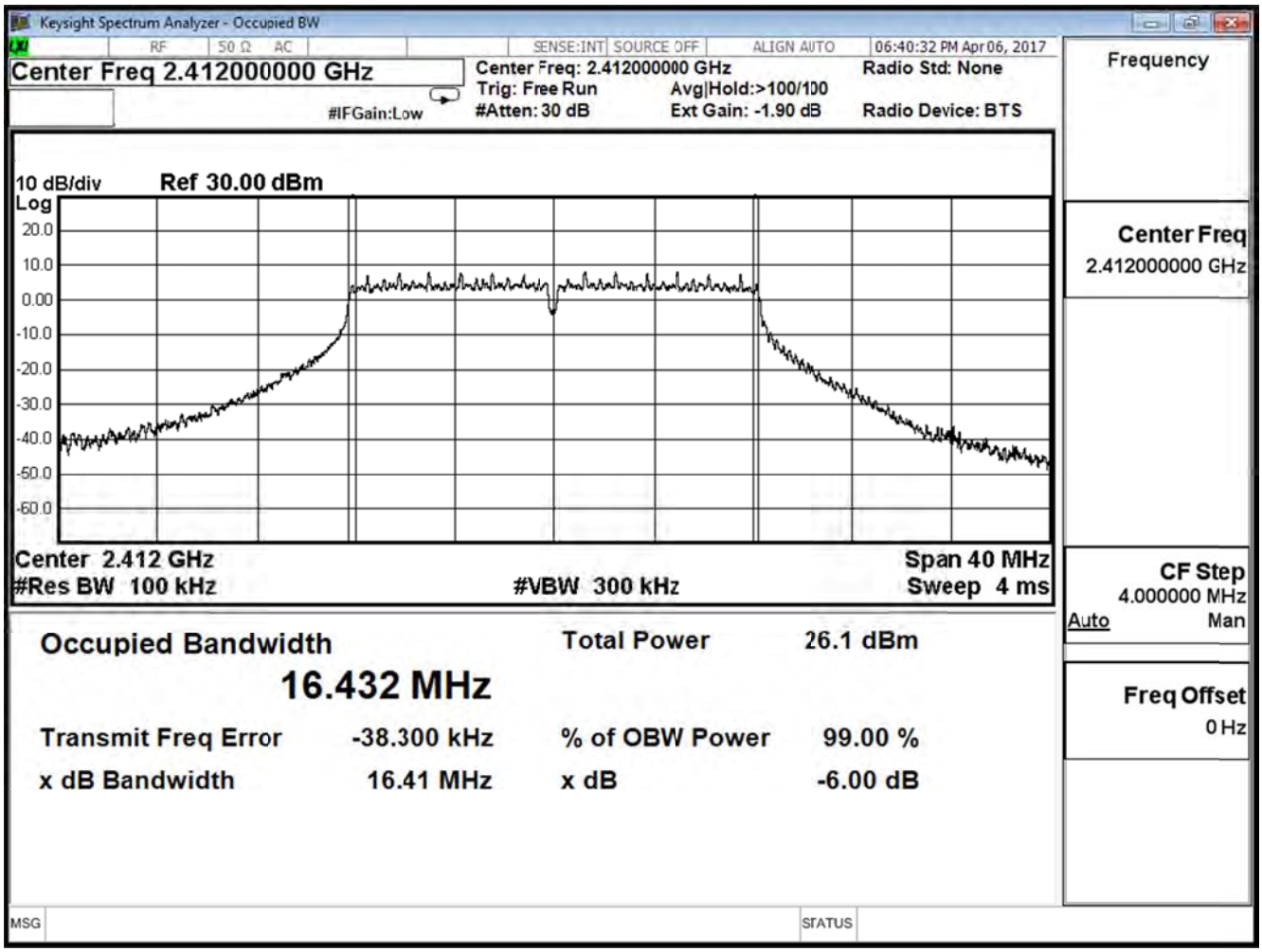
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT SOURCE OFF ALIGN AUTO 07:05:28 PM Apr 06, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run Avg|Hold:>100/100
#Atten: 30 dB Ext Gain: -1.90 dB
#IFGain:Low
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto Man
Occupied Bandwidth
16.437 MHz
Total Power 26.7 dBm
Transmit Freq Error -34.466 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.36 MHz
x dB -6.00 dB
Freq Offset
0 Hz
MSG
STATUS

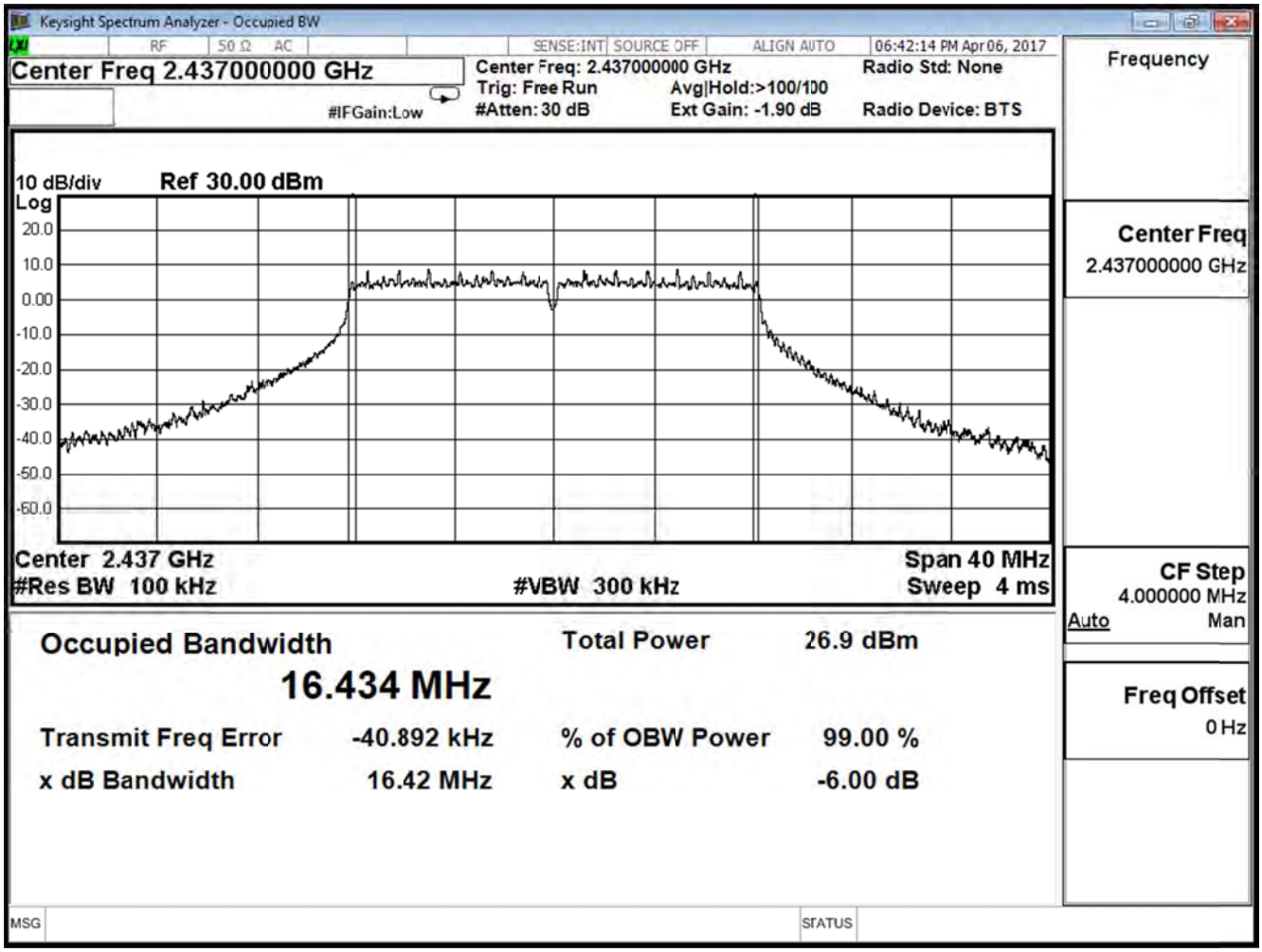
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/14	Test Site	SR10-H

802.11 g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	16.41	≧0.5	Pass
6	2437	16.42	≧0.5	Pass
11	2462	16.40	≧0.5	Pass

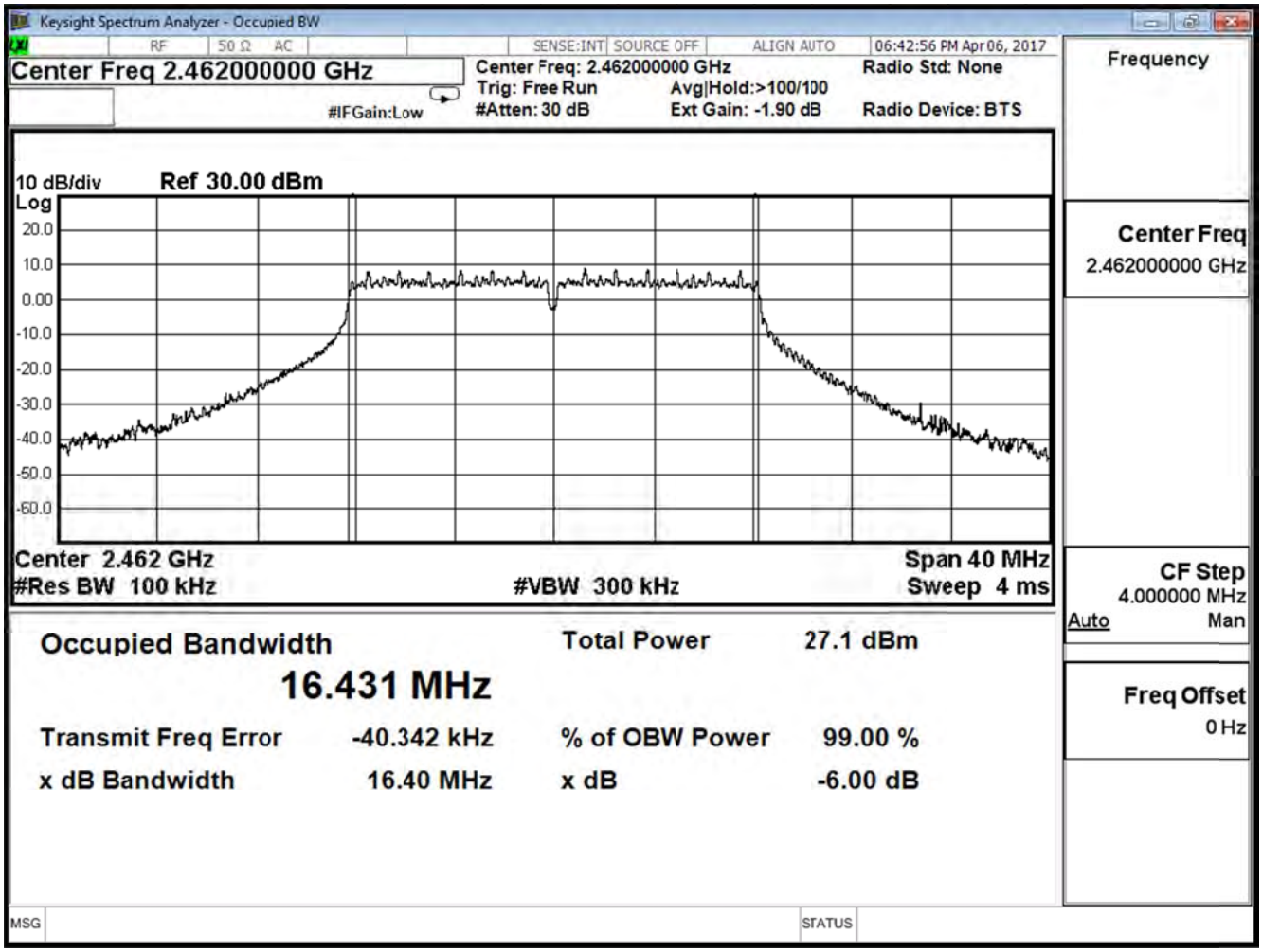
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
06:42:14 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
16.434 MHz
Total Power
26.9 dBm
Freq Offset
0 Hz
Transmit Freq Error
-40.892 kHz
% of OBW Power
99.00 %
x dB Bandwidth
16.42 MHz
x dB
-6.00 dB
MSG
STATUS

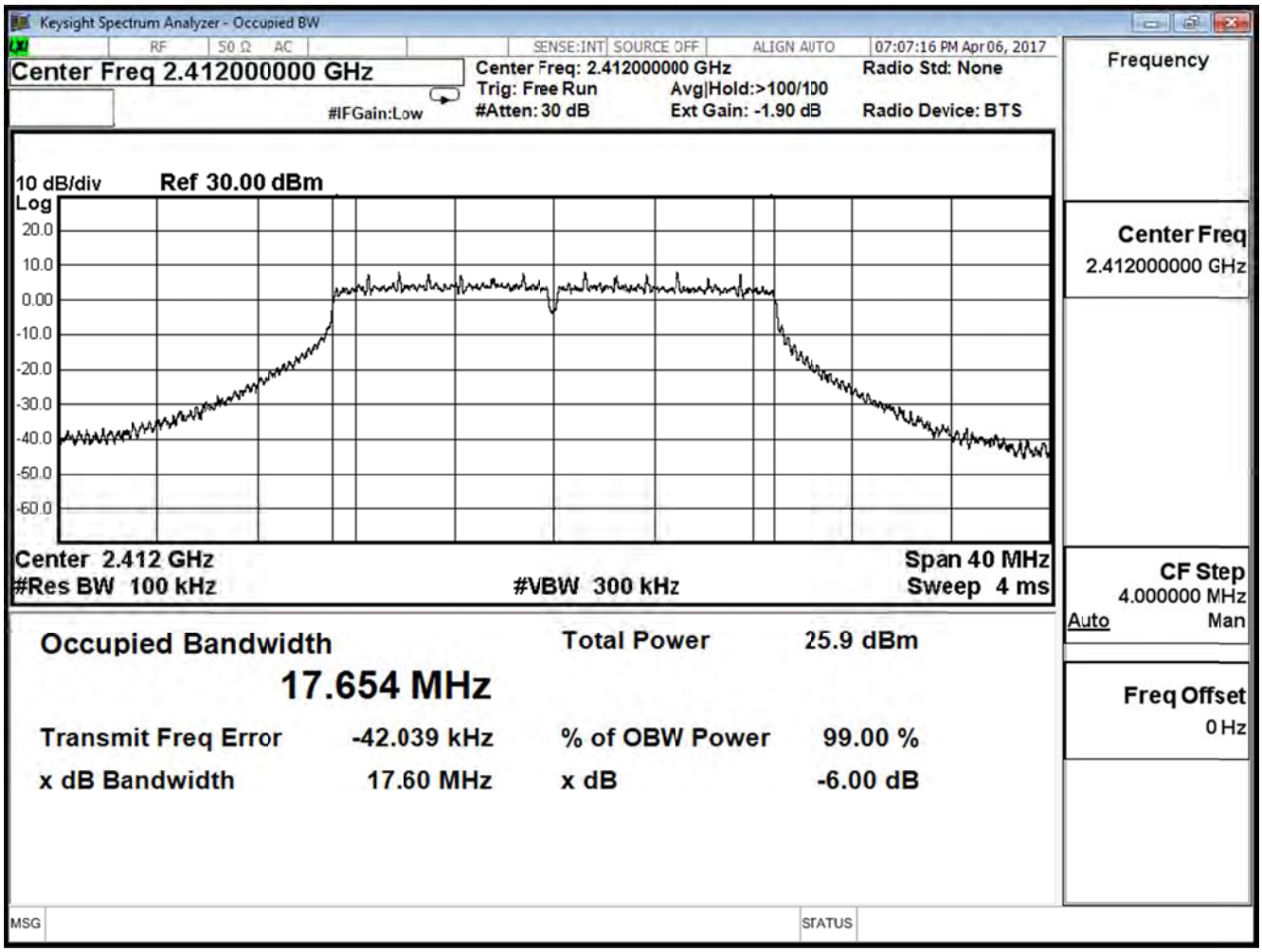
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT SOURCE OFF ALIGN AUTO 06:42:56 PM Apr 06, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run Avg|Hold:>100/100
#IFGain:Low #Atten: 30 dB Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto Man
Occupied Bandwidth
16.431 MHz
Total Power 27.1 dBm
Freq Offset
0 Hz
Transmit Freq Error -40.342 kHz
% of OBW Power 99.00 %
x dB Bandwidth 16.40 MHz
x dB -6.00 dB
MSG
STATUS

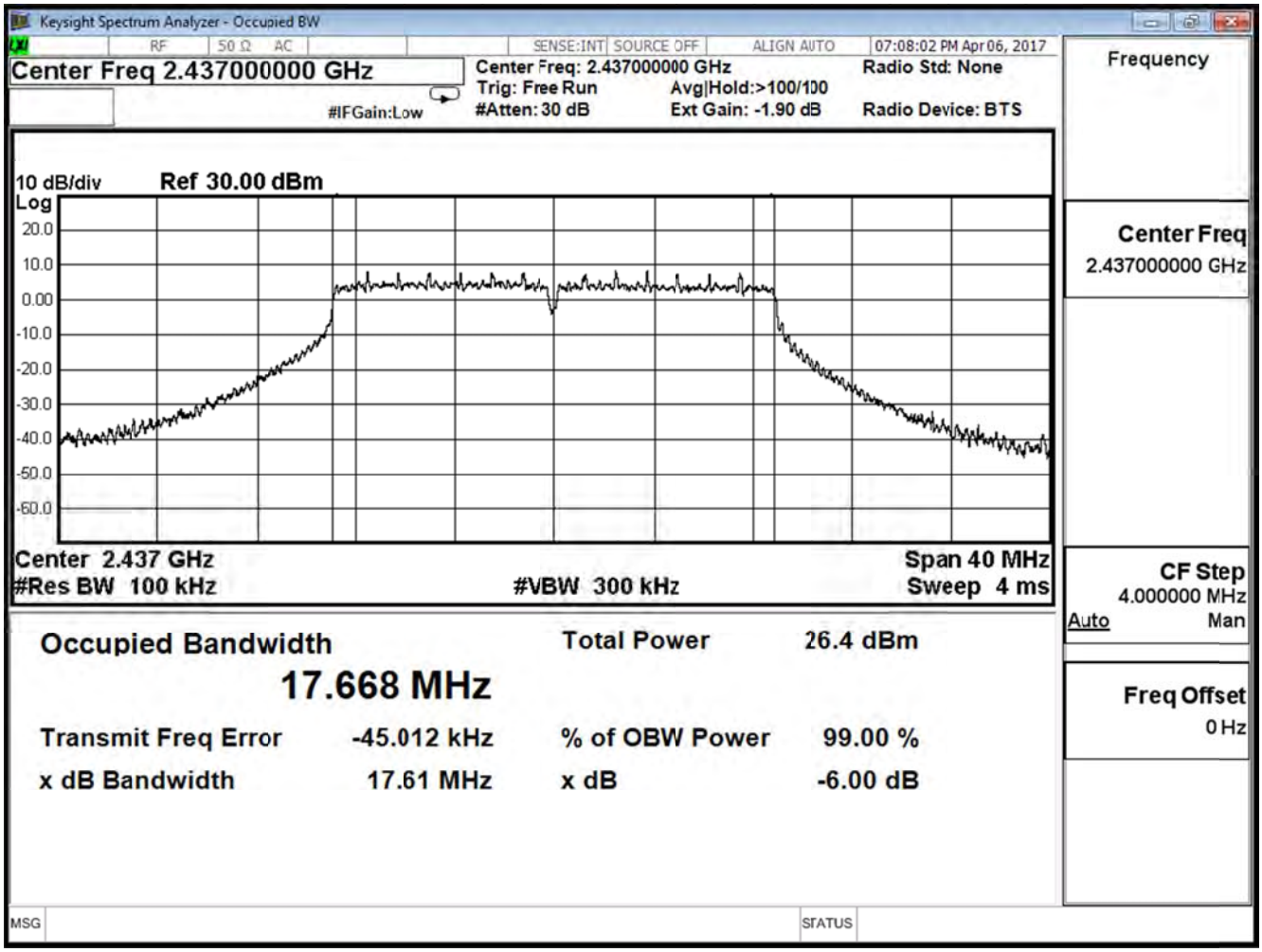
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/14	Test Site	SR10-H

IEEE 802.11n_20M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.60	≧0.5	Pass
6	2437	17.61	≧0.5	Pass
11	2462	17.60	≧0.5	Pass

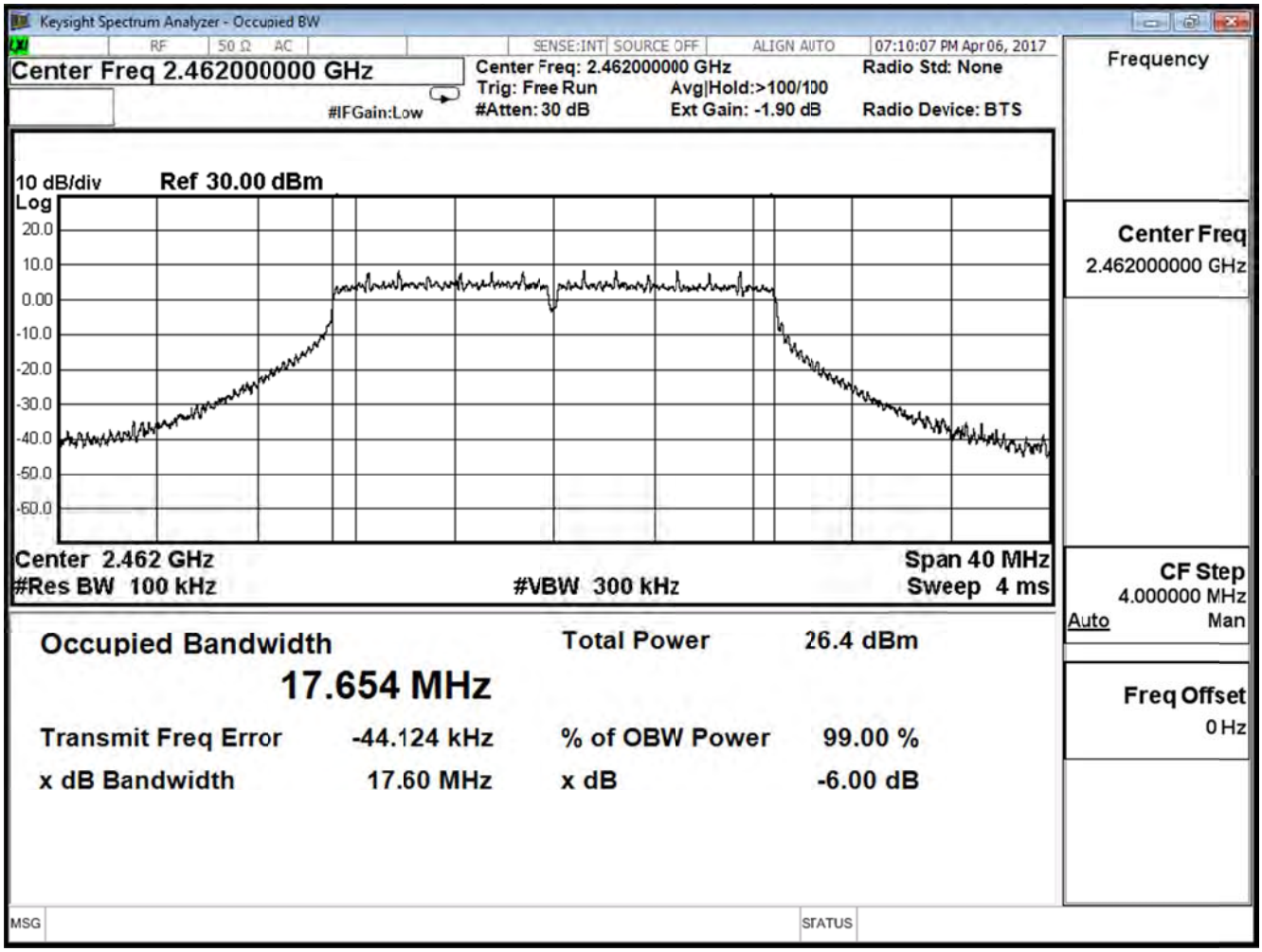
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
07:08:02 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.668 MHz
Total Power
26.4 dBm
Freq Offset
0 Hz
Transmit Freq Error
-45.012 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.61 MHz
x dB
-6.00 dB
MSG
STATUS

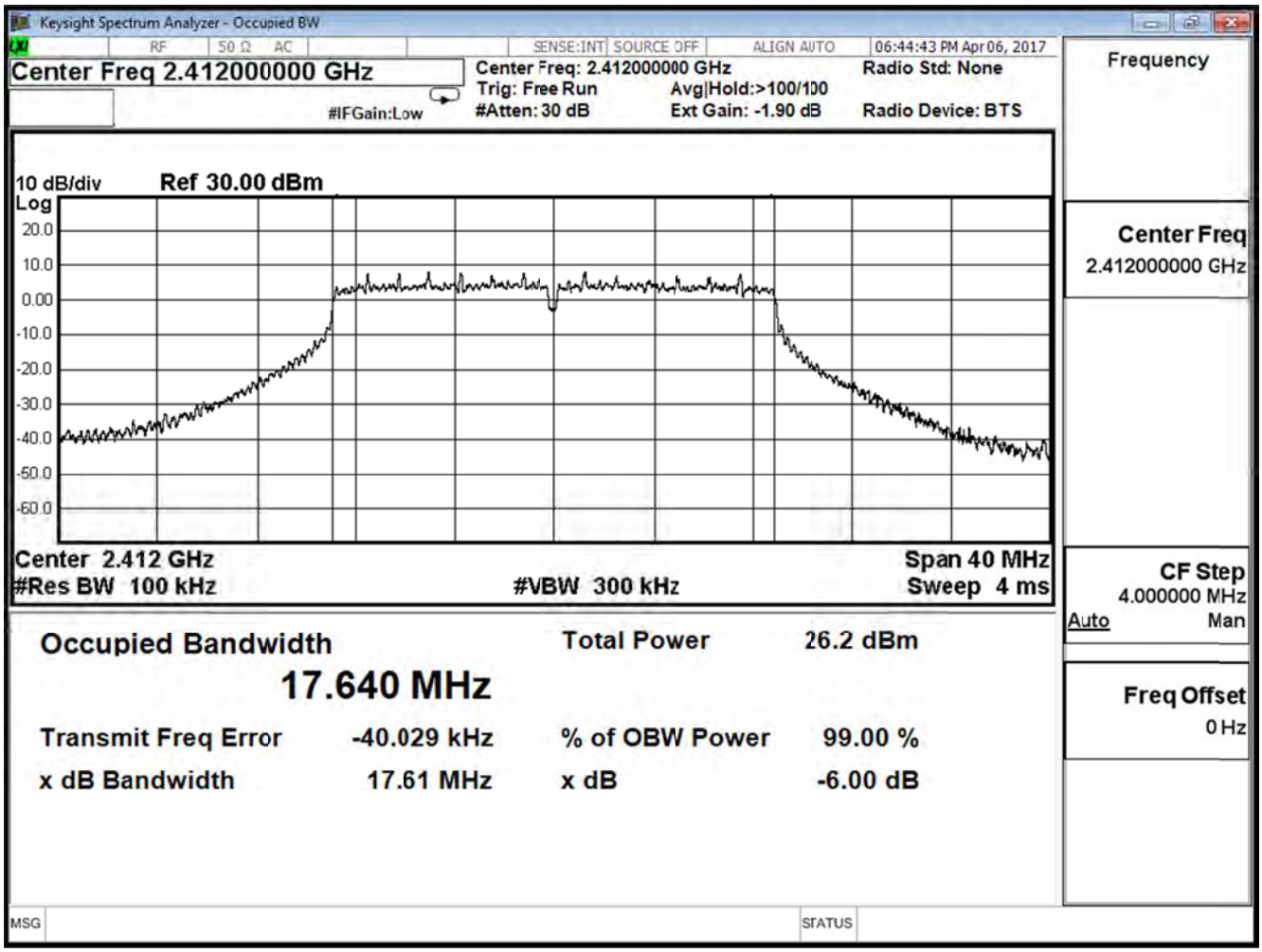
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT SOURCE OFF ALIGN AUTO 07:10:07 PM Apr 06, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run Avg|Hold:>100/100
#IFGain:Low #Atten: 30 dB Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto Man
Occupied Bandwidth
17.654 MHz
Total Power 26.4 dBm
Freq Offset
0 Hz
Transmit Freq Error -44.124 kHz
% of OBW Power 99.00 %
x dB Bandwidth 17.60 MHz
x dB -6.00 dB
MSG
STATUS

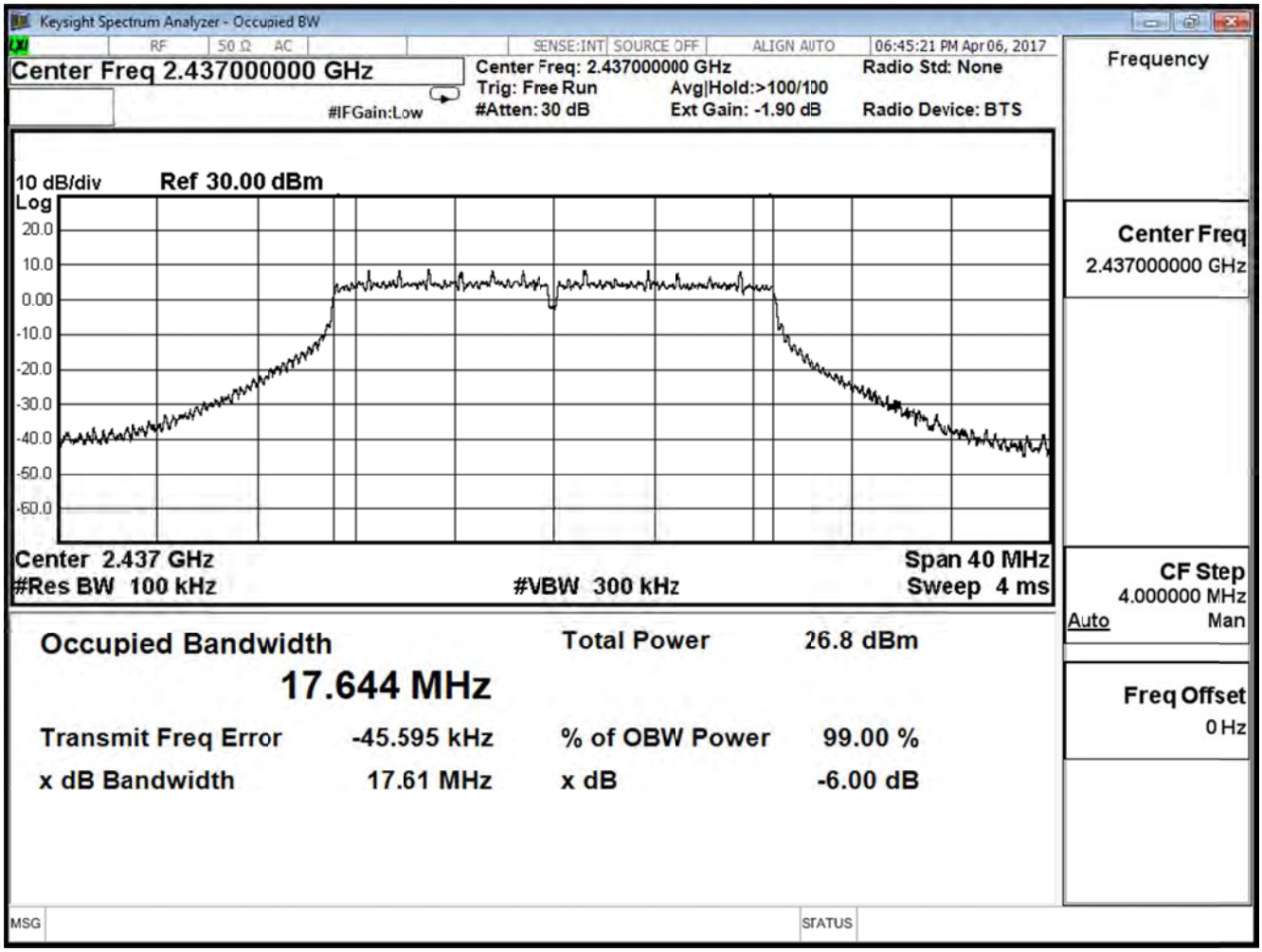
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/06	Test Site	SR10-H

IEEE 802.11n_20M (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	17.61	≧0.5	Pass
6	2437	17.61	≧0.5	Pass
11	2462	17.60	≧0.5	Pass

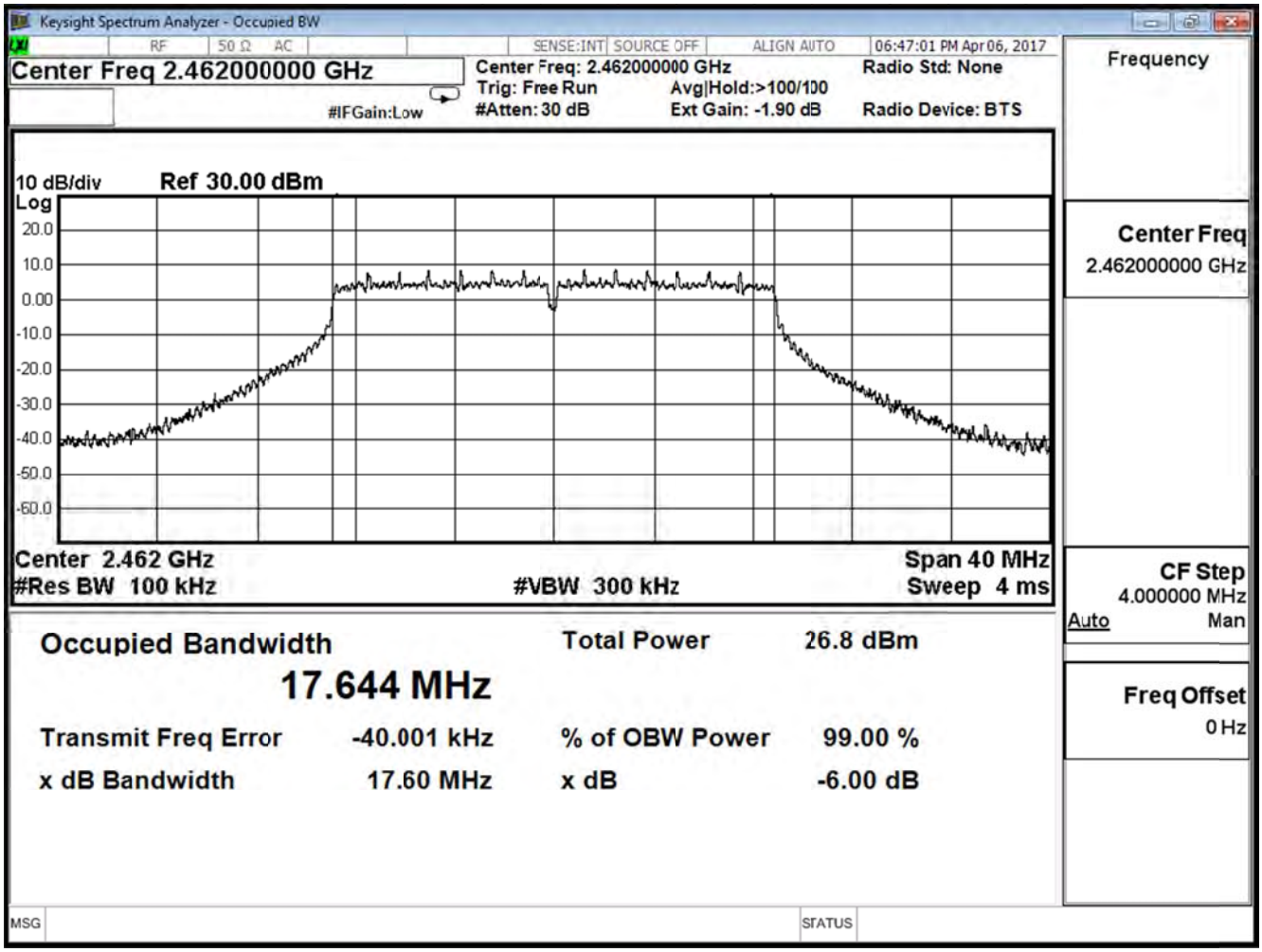
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT SOURCE OFF ALIGN AUTO 06:45:21 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run Avg|Hold:>100/100
#IFGain:Low #Atten: 30 dB Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto Man
Occupied Bandwidth
17.644 MHz
Total Power 26.8 dBm
Freq Offset
0 Hz
Transmit Freq Error -45.595 kHz
% of OBW Power 99.00 %
x dB Bandwidth 17.61 MHz
x dB -6.00 dB
MSG
STATUS

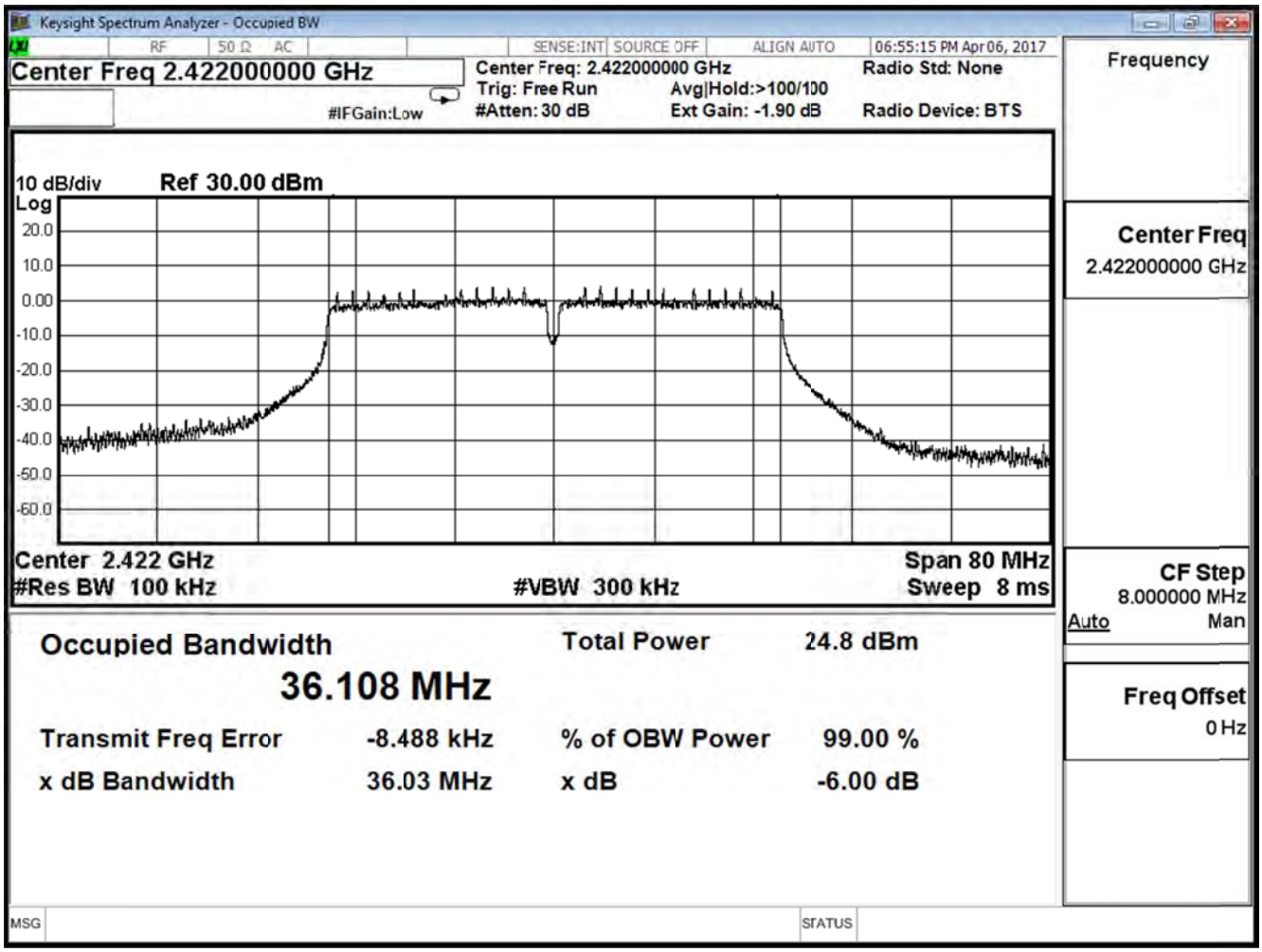
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
06:47:01 PM Apr 06, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 40 MHz
Sweep 4 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.644 MHz
Total Power
26.8 dBm
Freq Offset
0 Hz
Transmit Freq Error
-40.001 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.60 MHz
x dB
-6.00 dB
MSG
STATUS

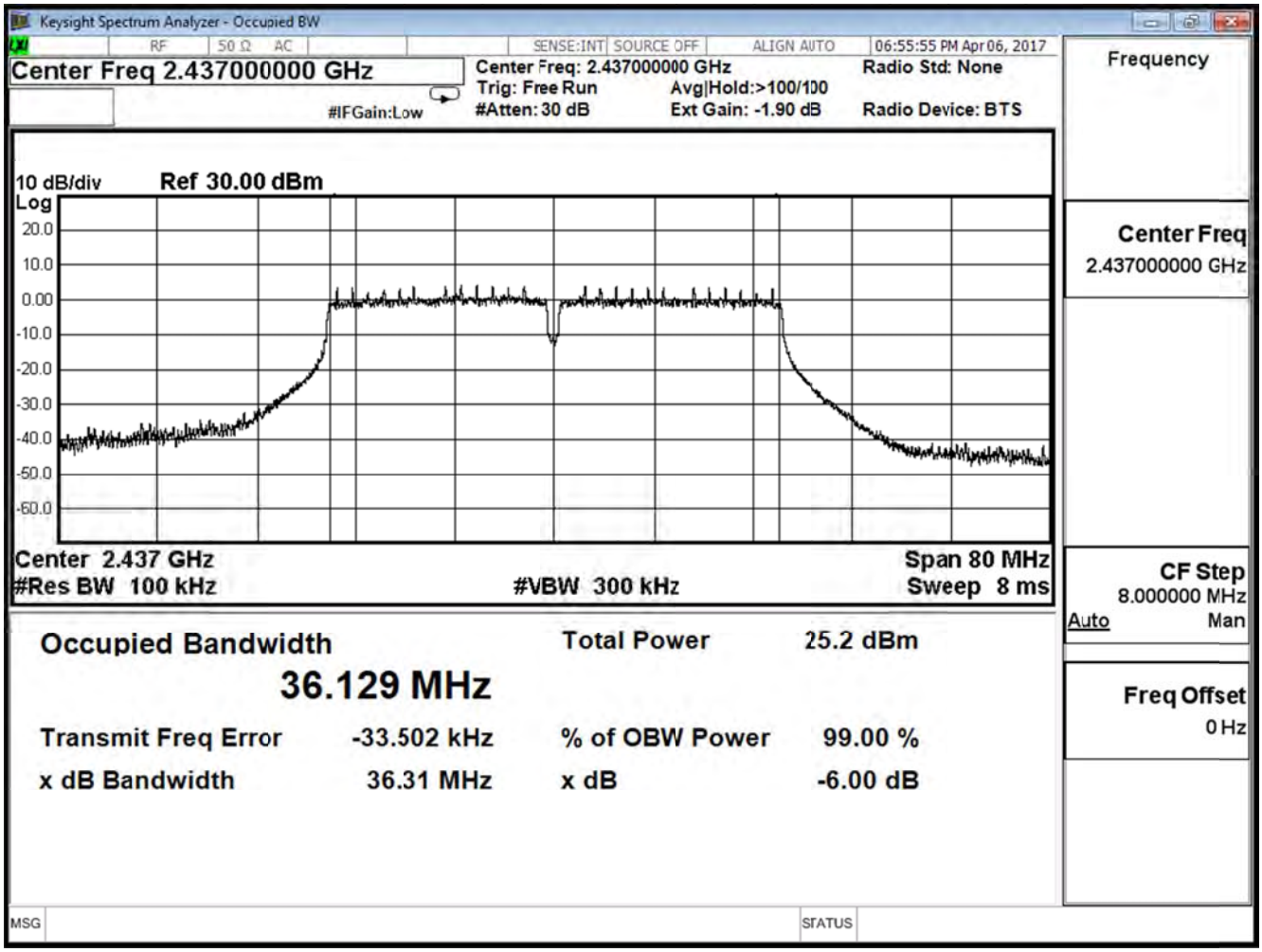
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/06	Test Site	SR10-H

IEEE 802.11n_40M (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.03	≧0.5	Pass
6	2437	36.31	≧0.5	Pass
9	2452	36.30	≧0.5	Pass

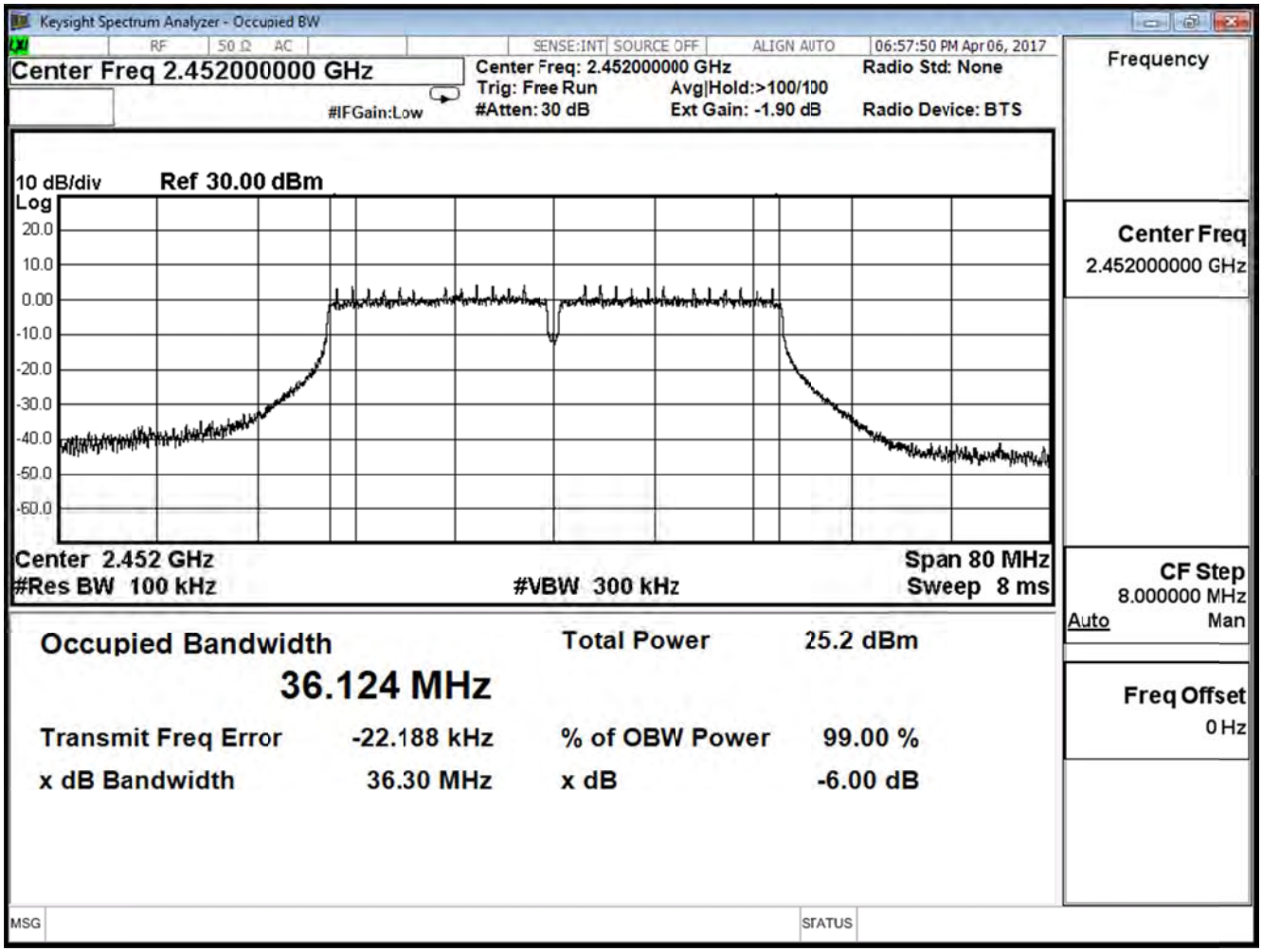
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
06:55:55 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.129 MHz
Total Power
25.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-33.502 kHz
% of OBW Power
99.00 %
x dB Bandwidth
36.31 MHz
x dB
-6.00 dB
MSG
STATUS

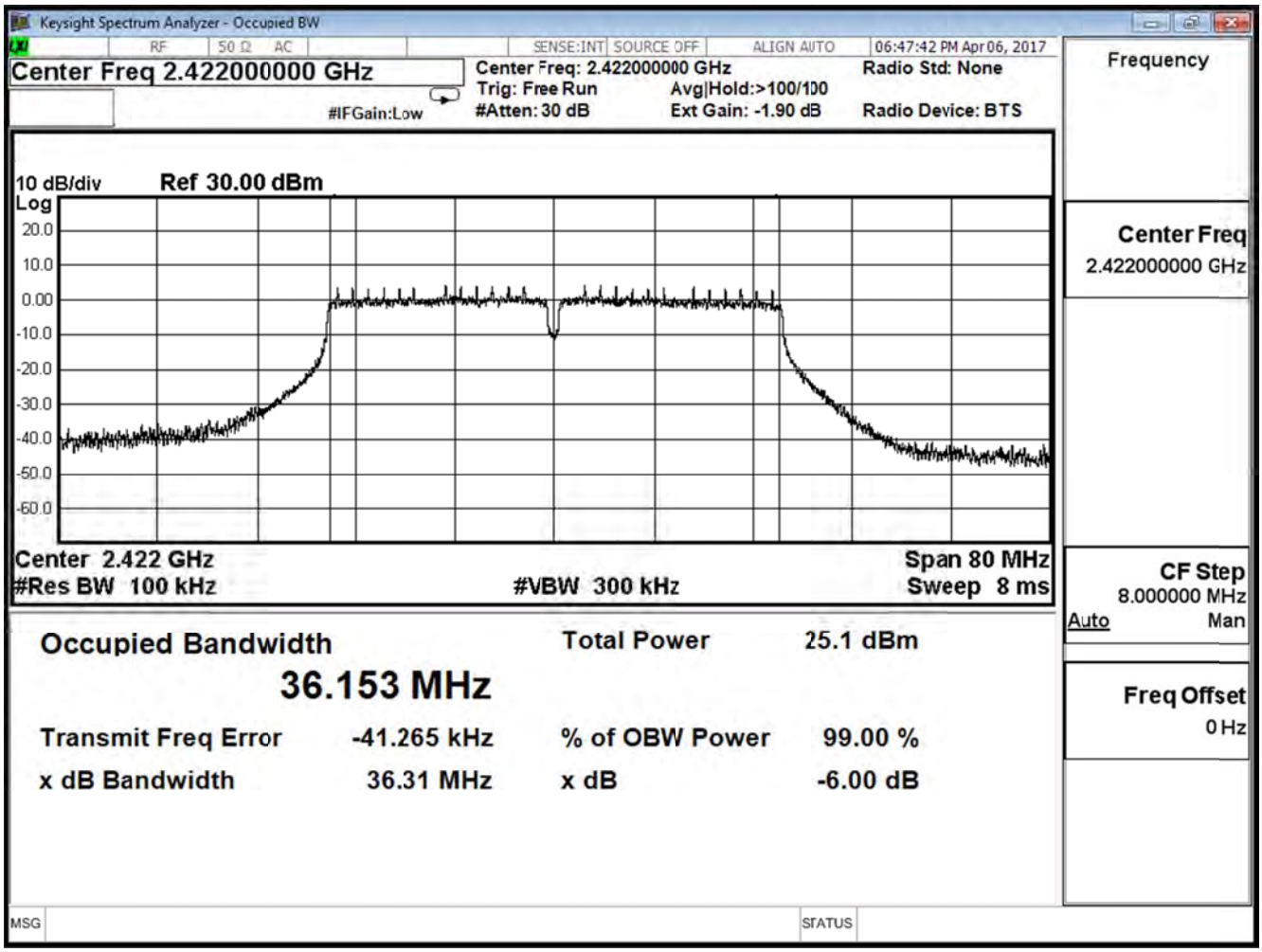
Channel 9


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
06:57:50 PM Apr 06, 2017
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.124 MHz
Total Power
25.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-22.188 kHz
% of OBW Power
99.00 %
x dB Bandwidth
36.30 MHz
x dB
-6.00 dB
MSG
STATUS

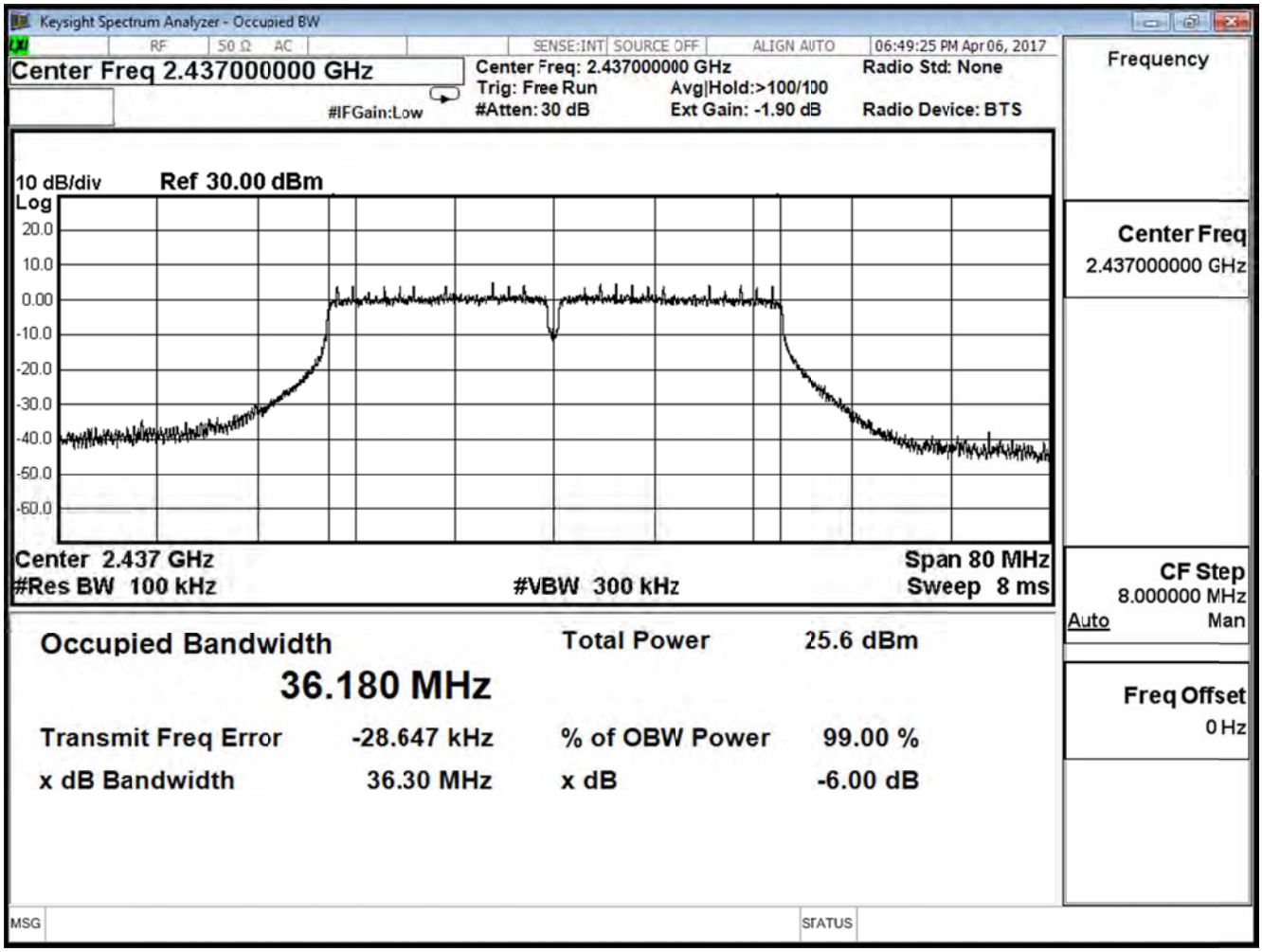
Product	Lyra		
Test Item	DTS Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/06	Test Site	SR10-H

IEEE 802.11n_40M (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.31	≧0.5	Pass
6	2437	36.30	≧0.5	Pass
9	2452	36.31	≧0.5	Pass

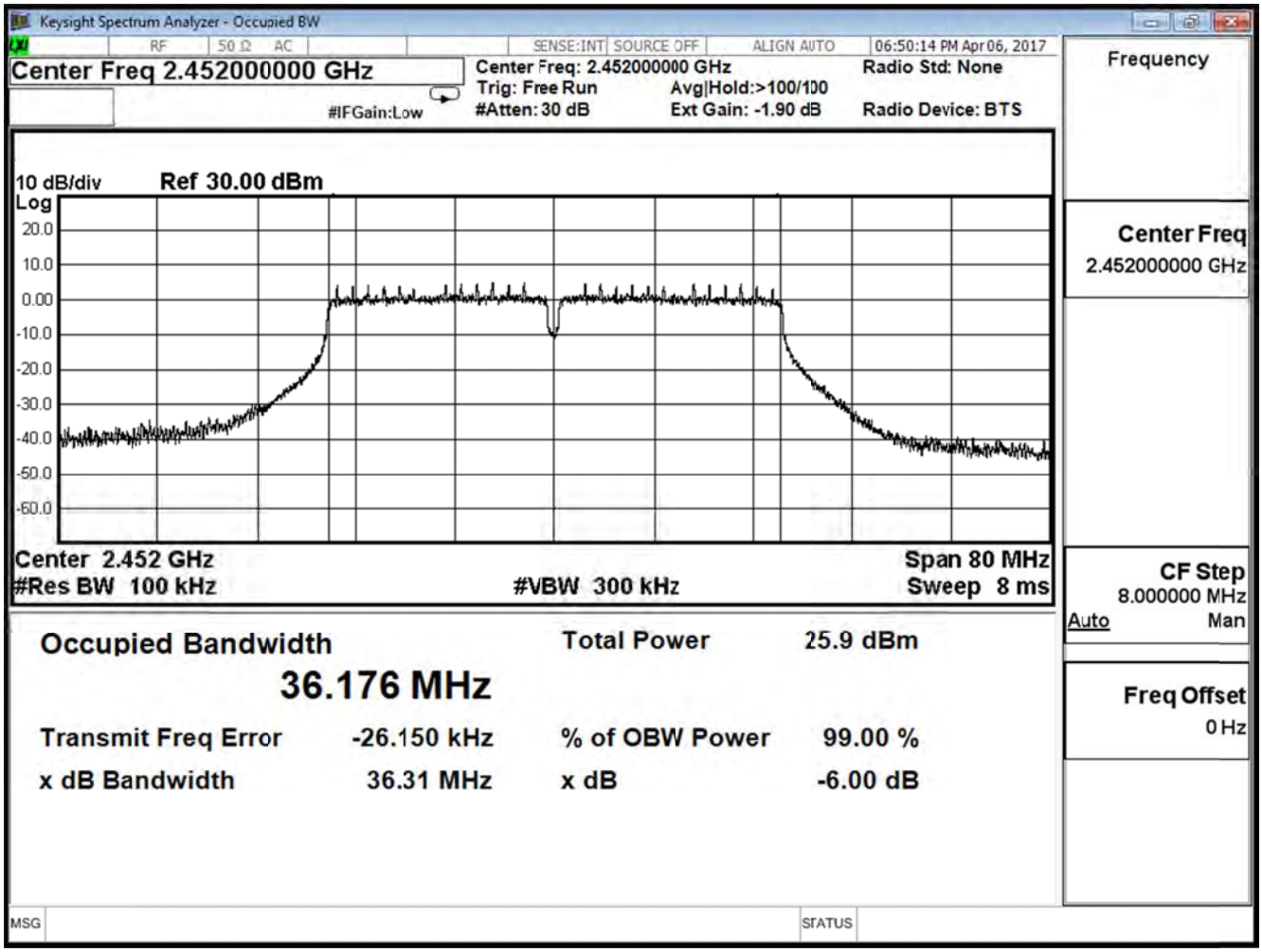
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω AC
SENSE:INT SOURCE OFF ALIGN AUTO 06:49:25 PM Apr 06, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run Avg|Hold:>100/100
#IFGain:Low #Atten: 30 dB Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto Man
Occupied Bandwidth
36.180 MHz
Total Power 25.6 dBm
Freq Offset
0 Hz
Transmit Freq Error -28.647 kHz
% of OBW Power 99.00 %
x dB Bandwidth 36.30 MHz
x dB -6.00 dB
MSG
STATUS

Channel 9


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω AC
SENSE:INT
SOURCE OFF
ALIGN AUTO
06:50:14 PM Apr 06, 2017
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 30 dB
Ext Gain: -1.90 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 8 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.176 MHz
Total Power
25.9 dBm
Freq Offset
0 Hz
Transmit Freq Error
-26.150 kHz
% of OBW Power
99.00 %
x dB Bandwidth
36.31 MHz
x dB
-6.00 dB
MSG
STATUS

8. Occupied Bandwidth

8.1. Test Equipment

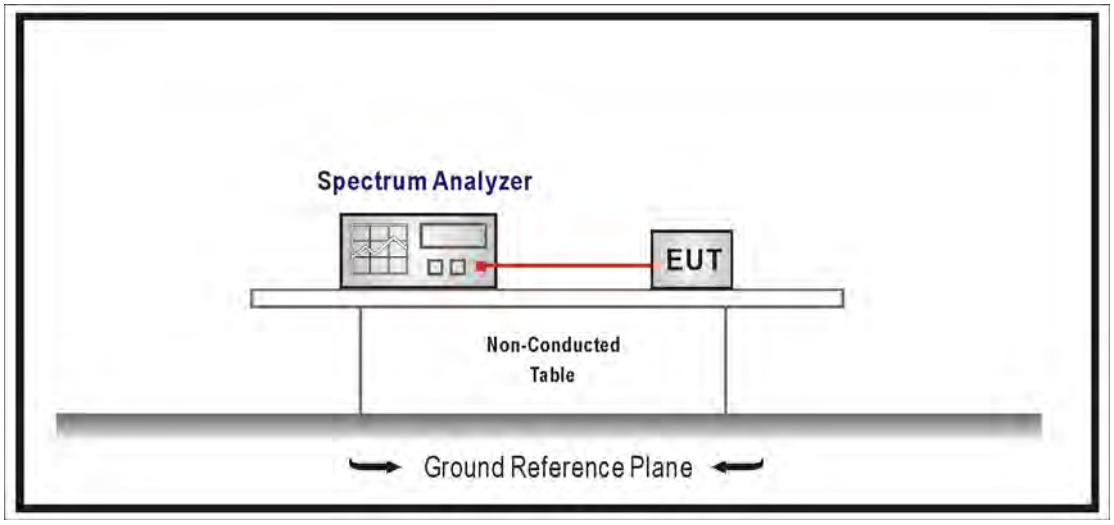
The following test equipments are used during the test:

Occupied Bandwidth / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

Note: All equipments that need to calibrate are with calibration period of 1 year.

8.2. Test Setup



8.3. Test Procedures

The EUT was setup according to ANSI C63.10:2013; tested according to DTS test procedure of KDB558074 v03r05for compliance to FCC 47CFR 15.247 requirements.
Set RBW = 1-5% of the OBW, Set the VBW≧3xRBW, Sweep Time=Auto.

8.4. Limits

NA

8.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

8.6. Uncertainty

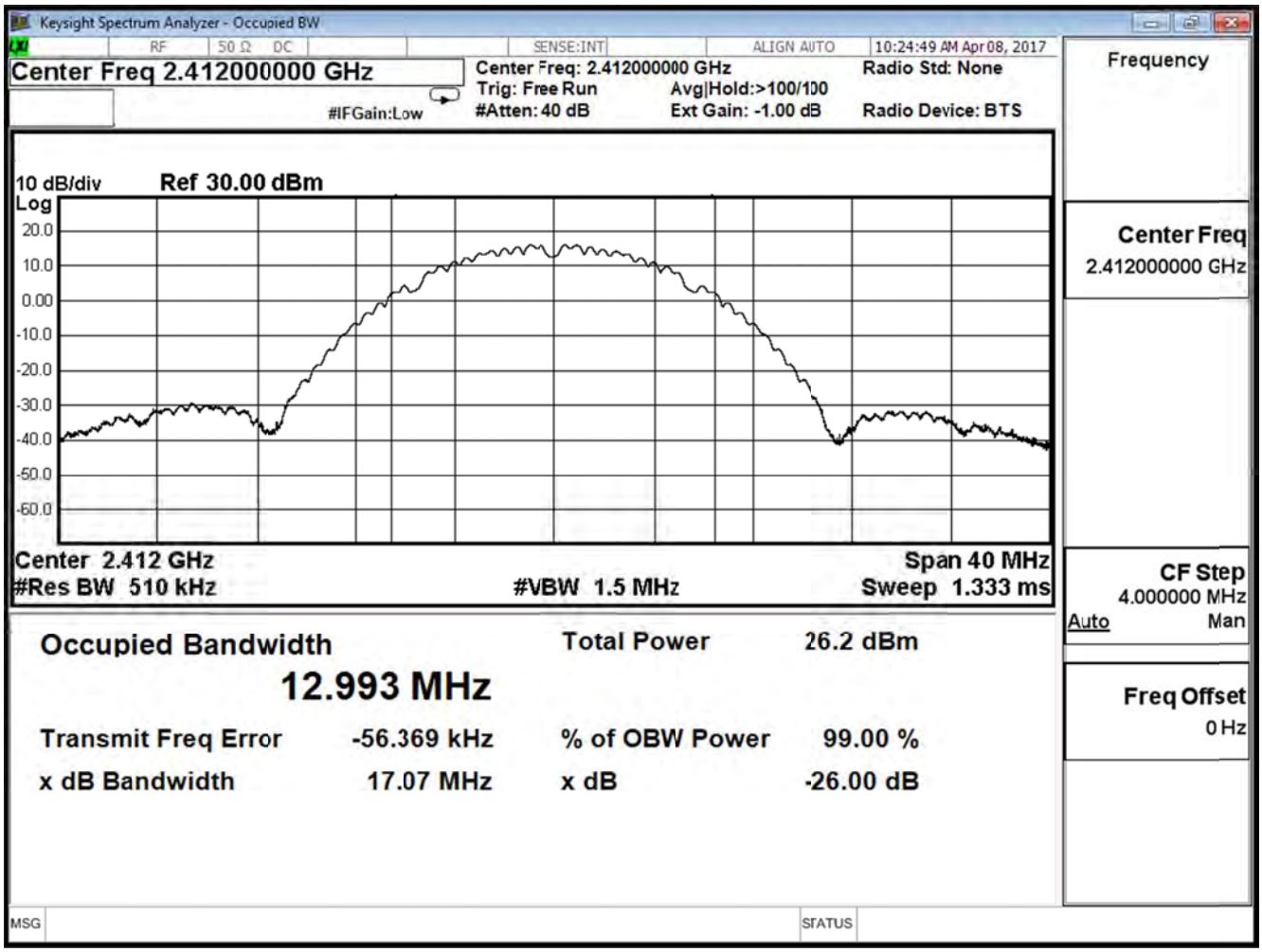
The measurement uncertainty is defined as ±150Hz

8.7. Test Result

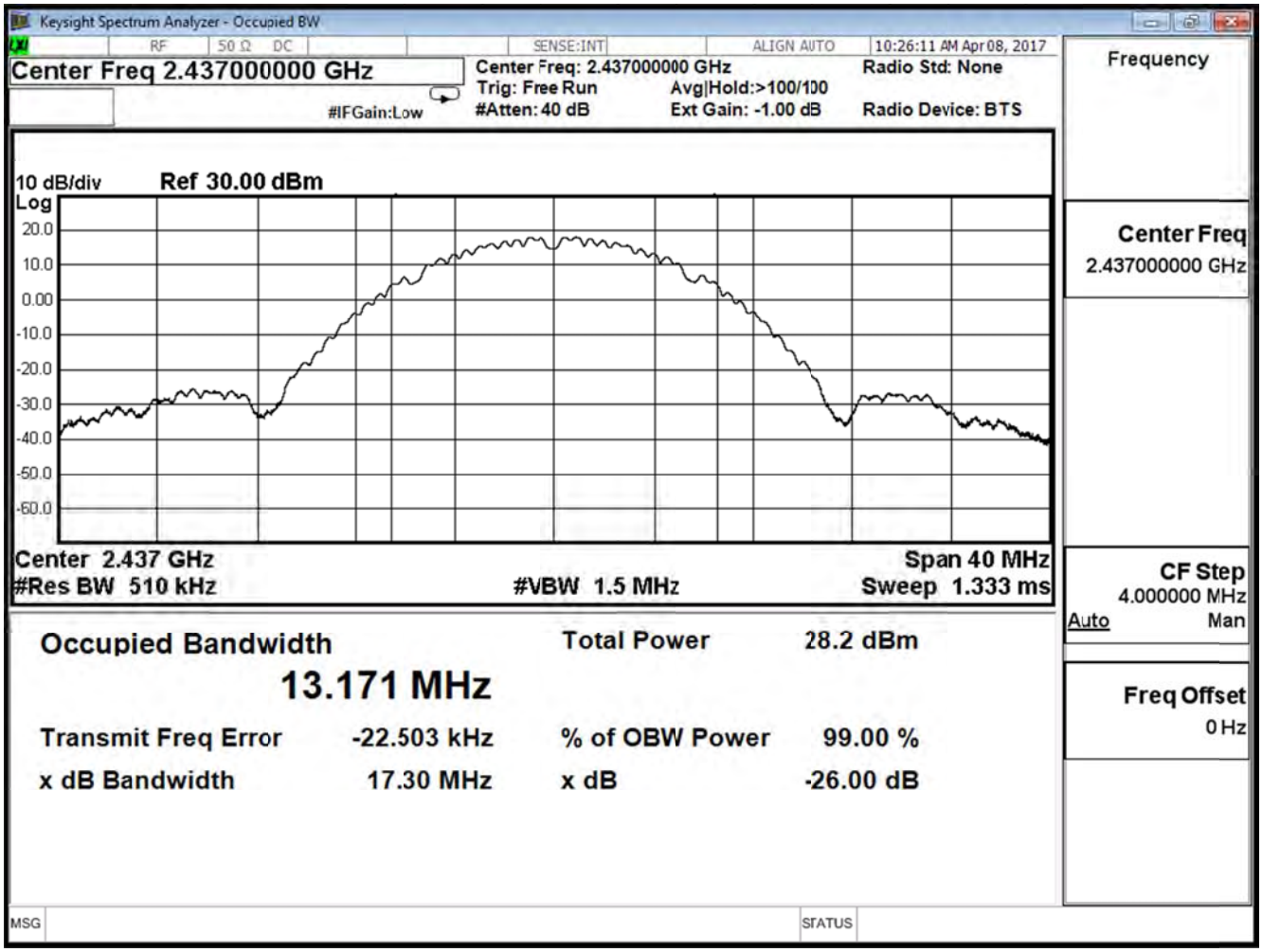
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

802.11 b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	12.993	--	Pass
6	2437	13.171	--	Pass
11	2462	13.099	--	Pass

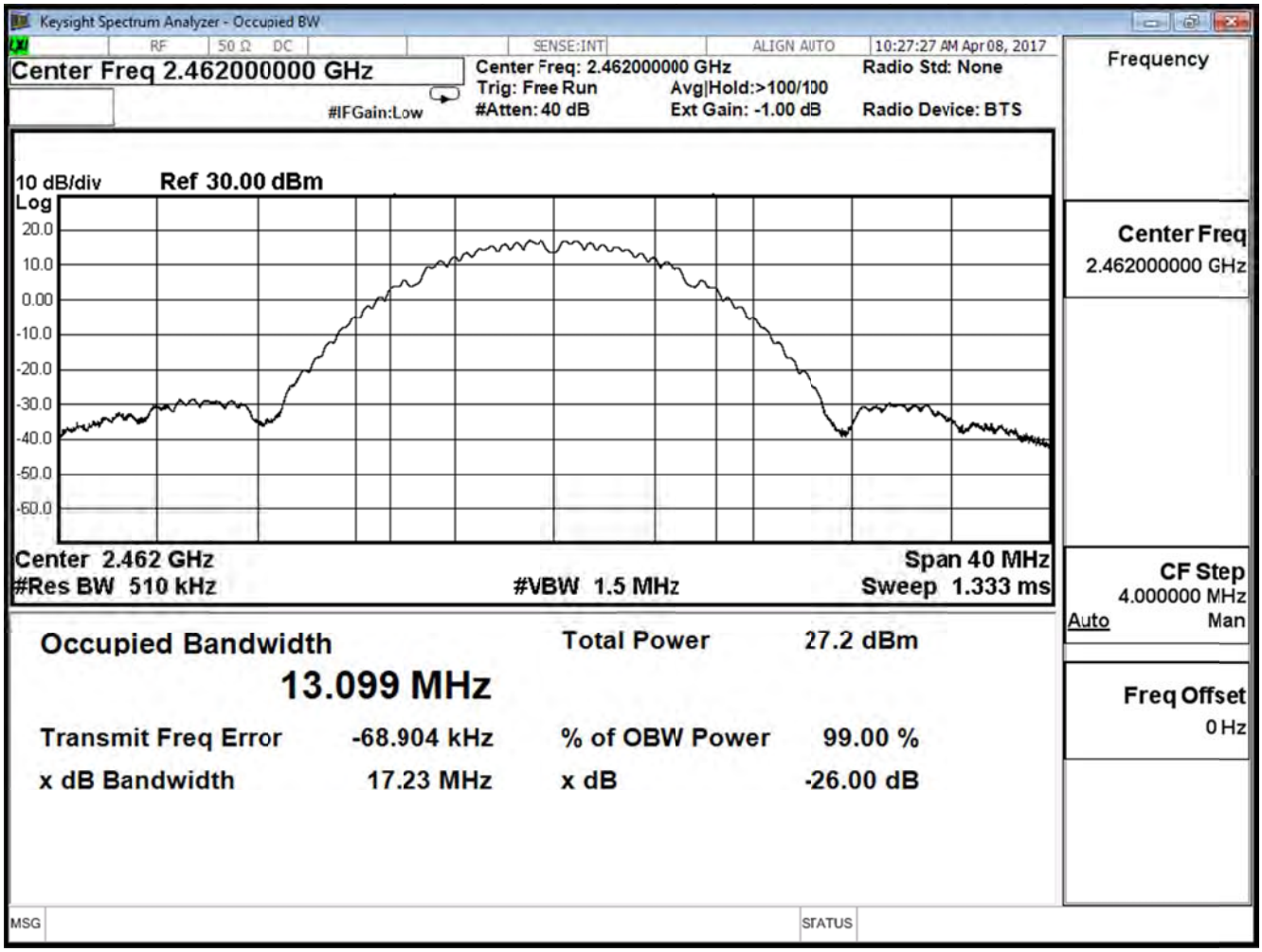
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:26:11 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
13.171 MHz
Total Power
28.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-22.503 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.30 MHz
x dB
-26.00 dB
MSG
STATUS

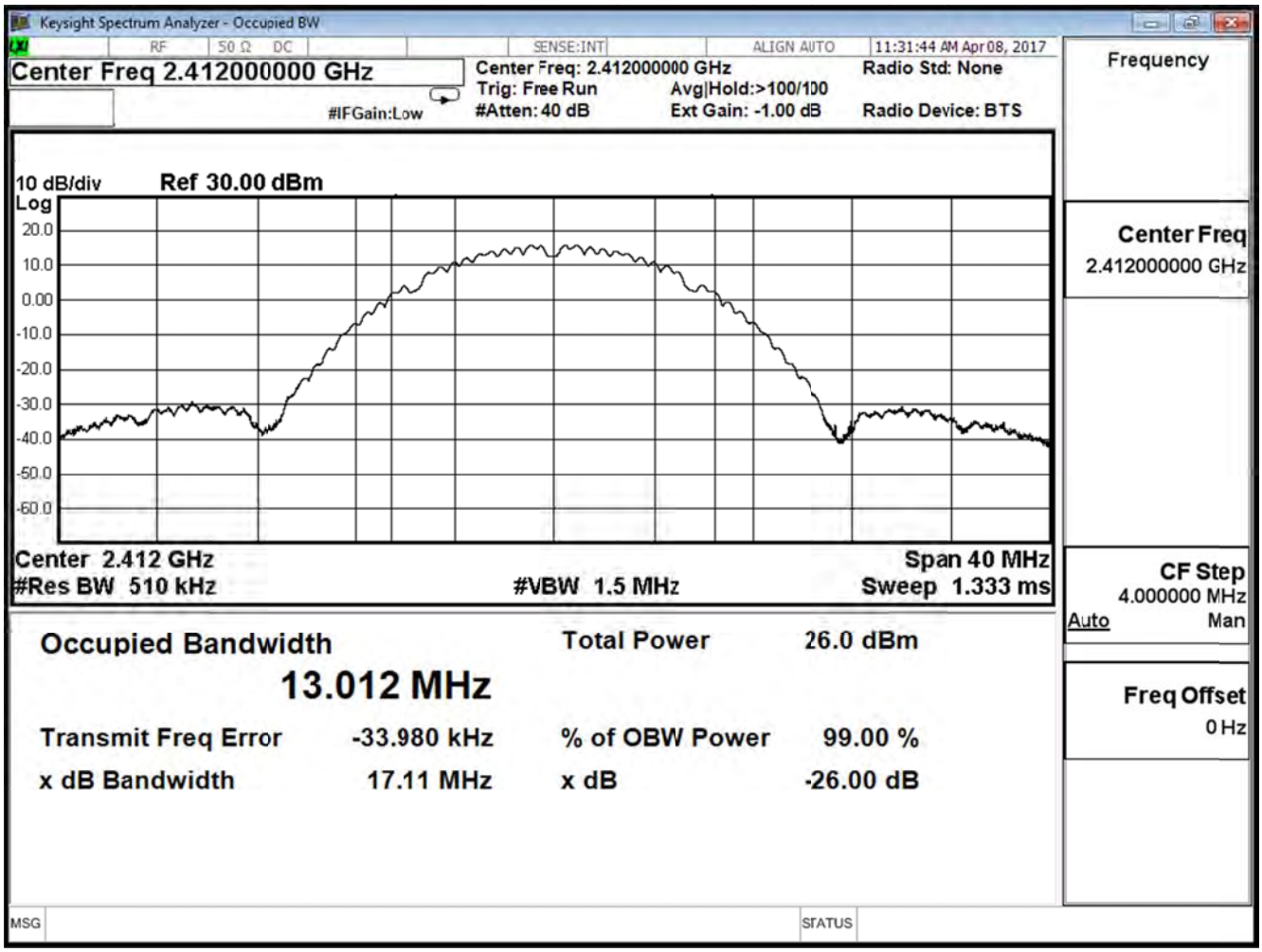
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:27:27 AM Apr 08, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
13.099 MHz
Total Power
27.2 dBm
Freq Offset
0 Hz
Transmit Freq Error
-68.904 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.23 MHz
x dB
-26.00 dB
MSG
STATUS

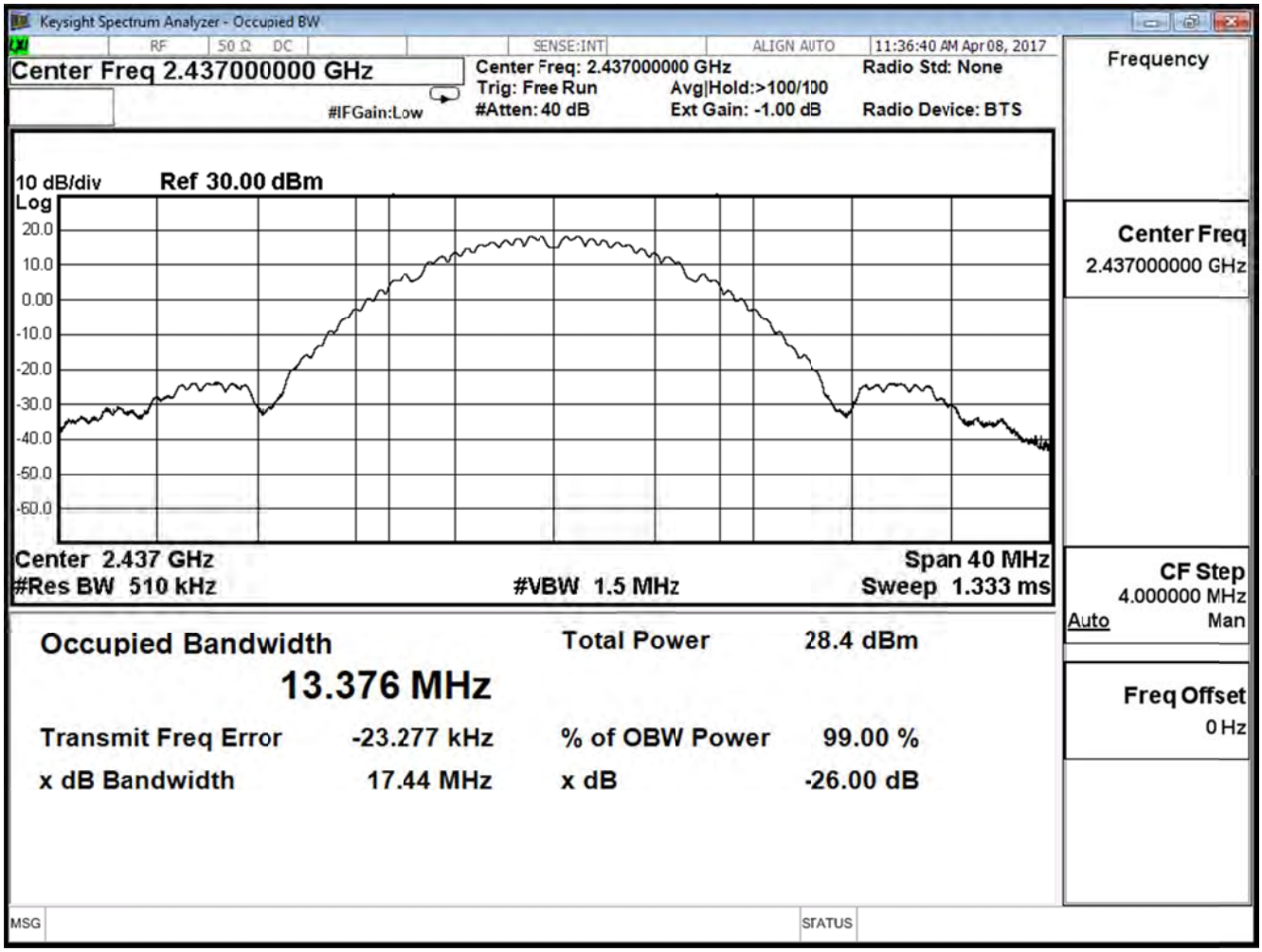
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

802.11 b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	13.012	--	Pass
6	2437	13.376	--	Pass
11	2462	13.140	--	Pass

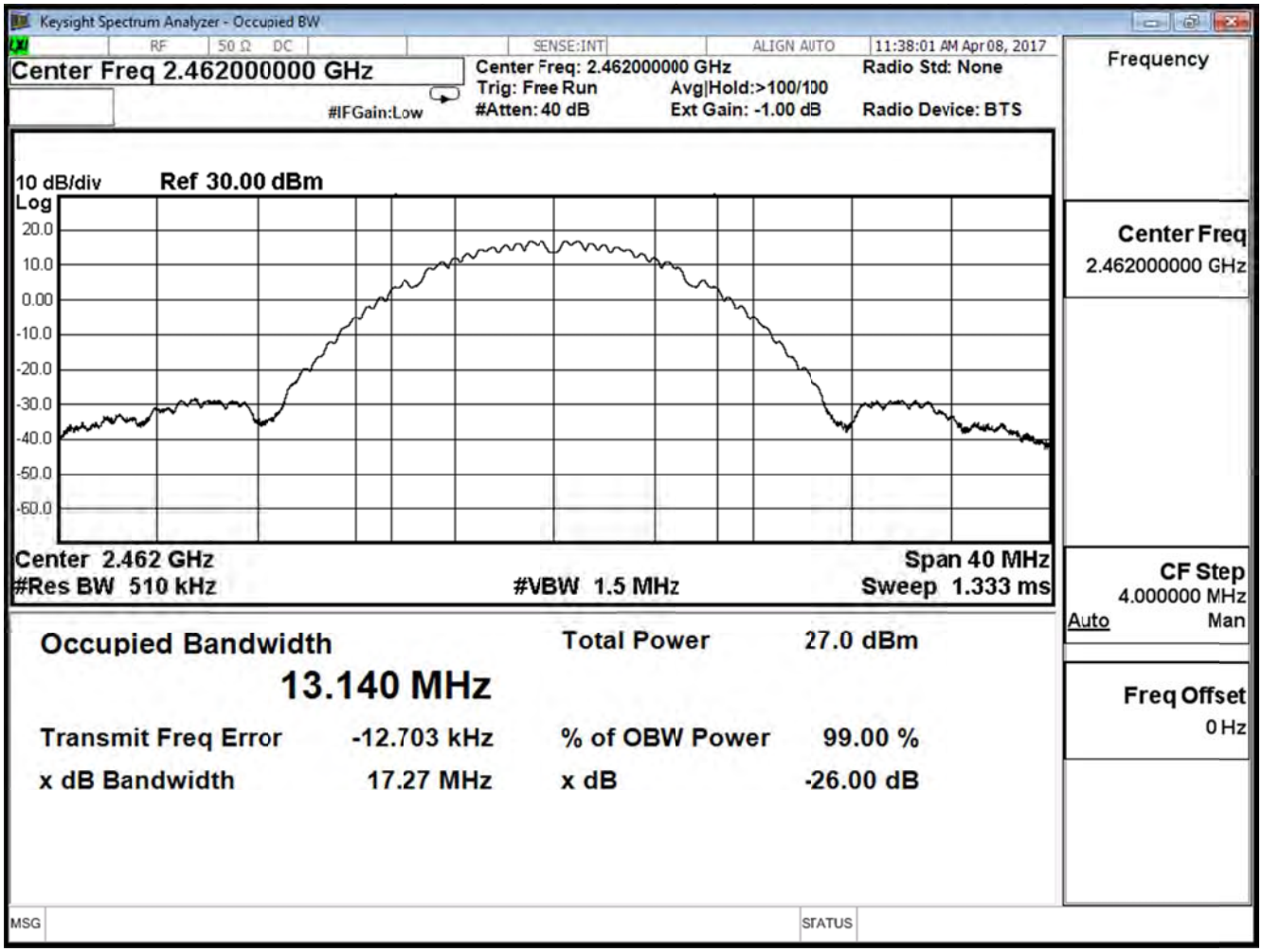
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:36:40 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
13.376 MHz
Total Power
28.4 dBm
Freq Offset
0 Hz
Transmit Freq Error
-23.277 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.44 MHz
x dB
-26.00 dB
MSG
STATUS

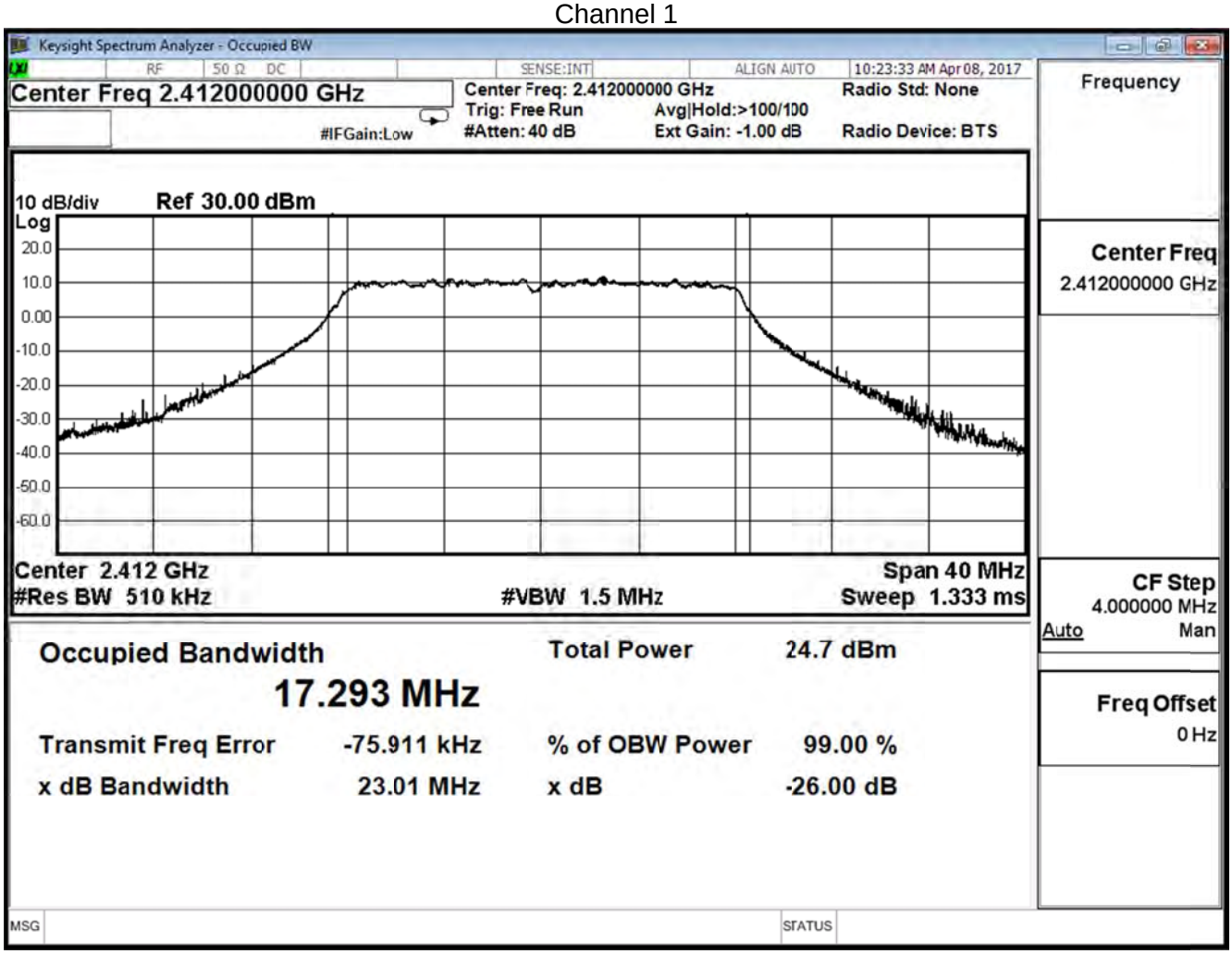
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
11:38:01 AM Apr 08, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
13.140 MHz
Total Power
27.0 dBm
Transmit Freq Error
-12.703 kHz
% of OBW Power
99.00 %
x dB Bandwidth
17.27 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

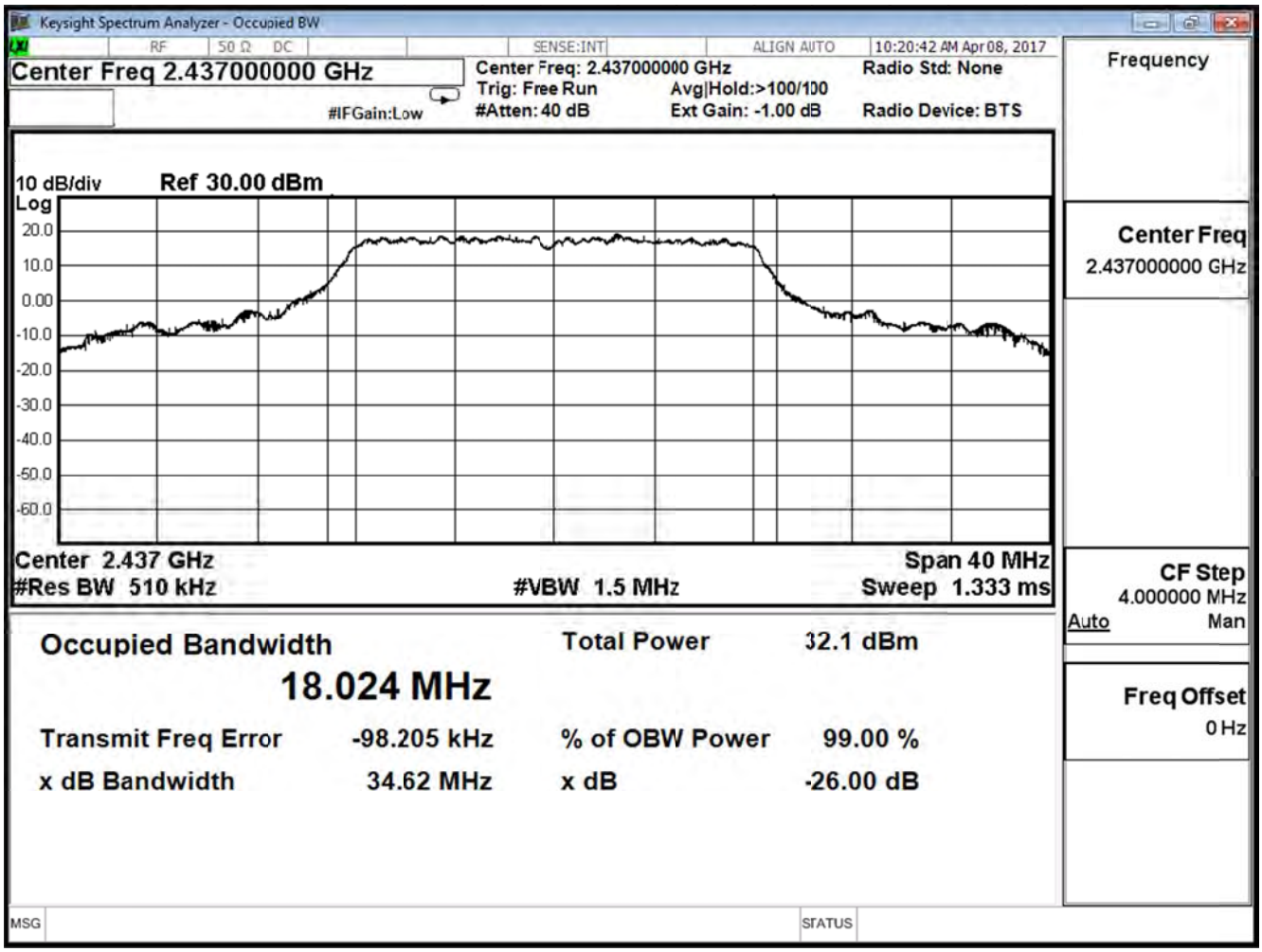
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

802.11 g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	17.293	--	Pass
6	2437	18.024	--	Pass
11	2462	17.307	--	Pass

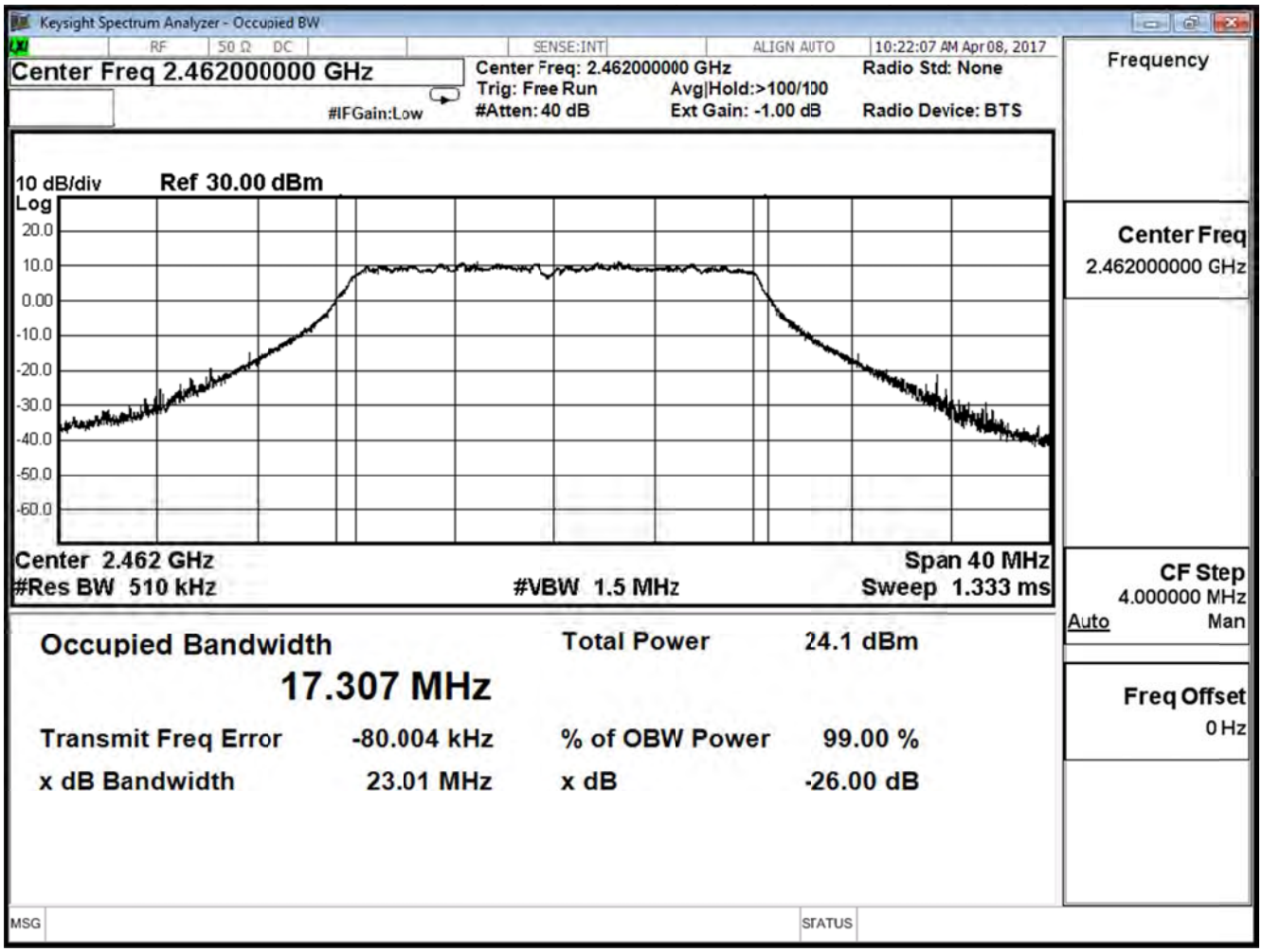
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:20:42 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.024 MHz
Total Power
32.1 dBm
Transmit Freq Error
-98.205 kHz
% of OBW Power
99.00 %
x dB Bandwidth
34.62 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

Channel 11

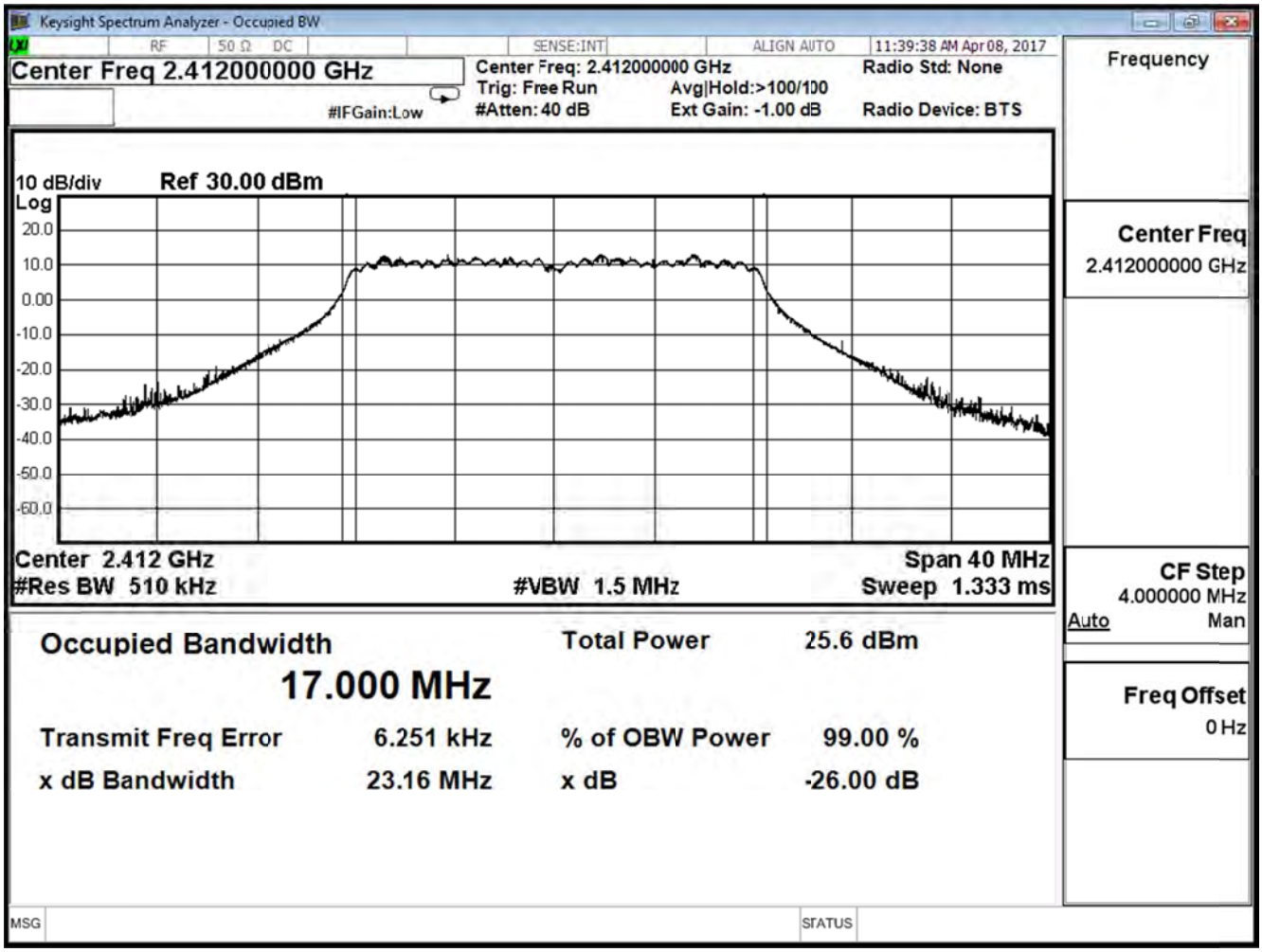

Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:22:07 AM Apr 08, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.307 MHz
Total Power
24.1 dBm
Transmit Freq Error
-80.004 kHz
% of OBW Power
99.00 %
x dB Bandwidth
23.01 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

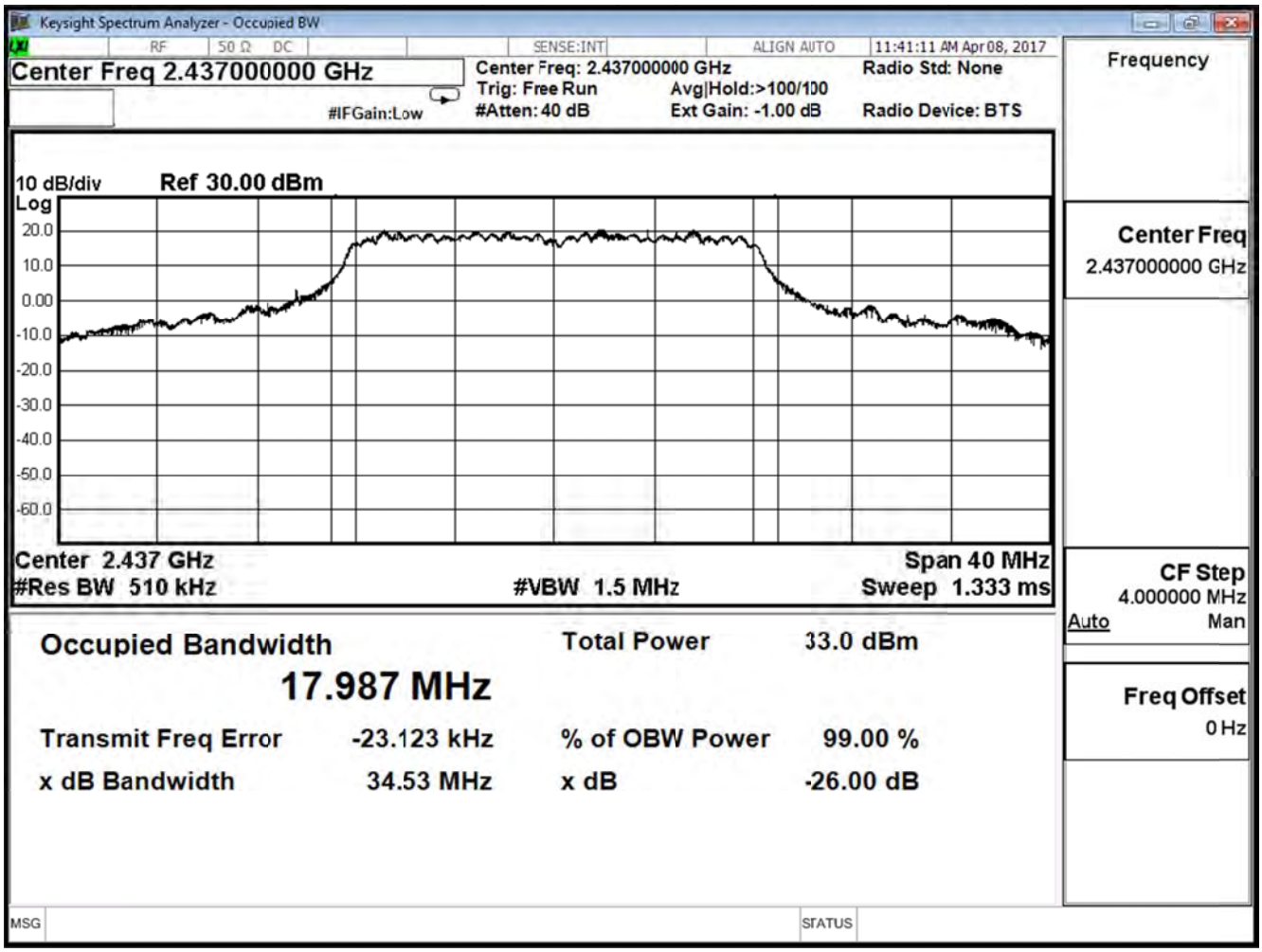
802.11 g (ANT 1)

Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	17.000	--	Pass
6	2437	17.987	--	Pass
11	2462	17.012	--	Pass

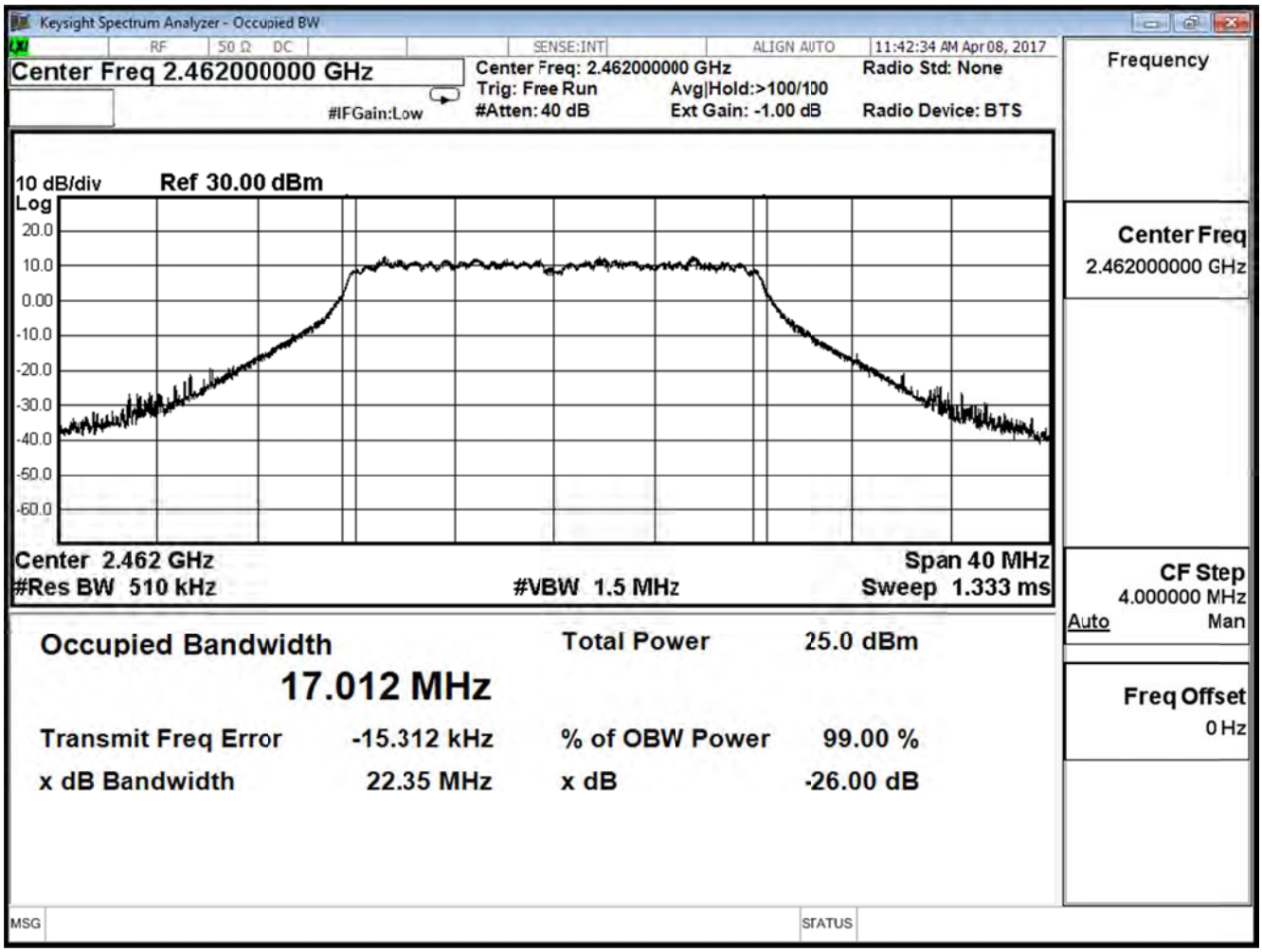
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
11:41:11 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.987 MHz
Total Power
33.0 dBm
Freq Offset
0 Hz
Transmit Freq Error
-23.123 kHz
% of OBW Power
99.00 %
x dB Bandwidth
34.53 MHz
x dB
-26.00 dB
MSG
STATUS

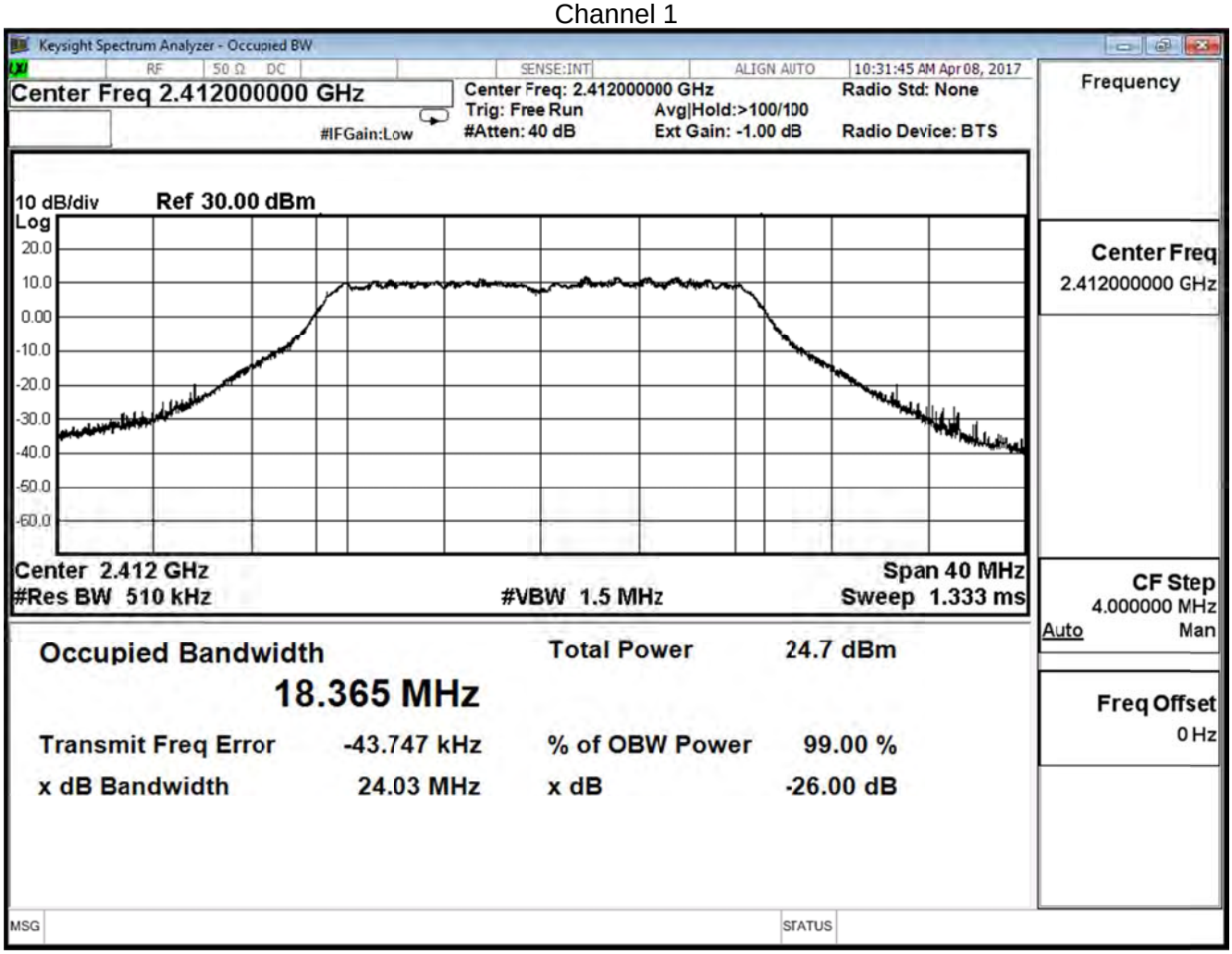
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
11:42:34 AM Apr 08, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
17.012 MHz
Total Power
25.0 dBm
Transmit Freq Error
-15.312 kHz
% of OBW Power
99.00 %
x dB Bandwidth
22.35 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

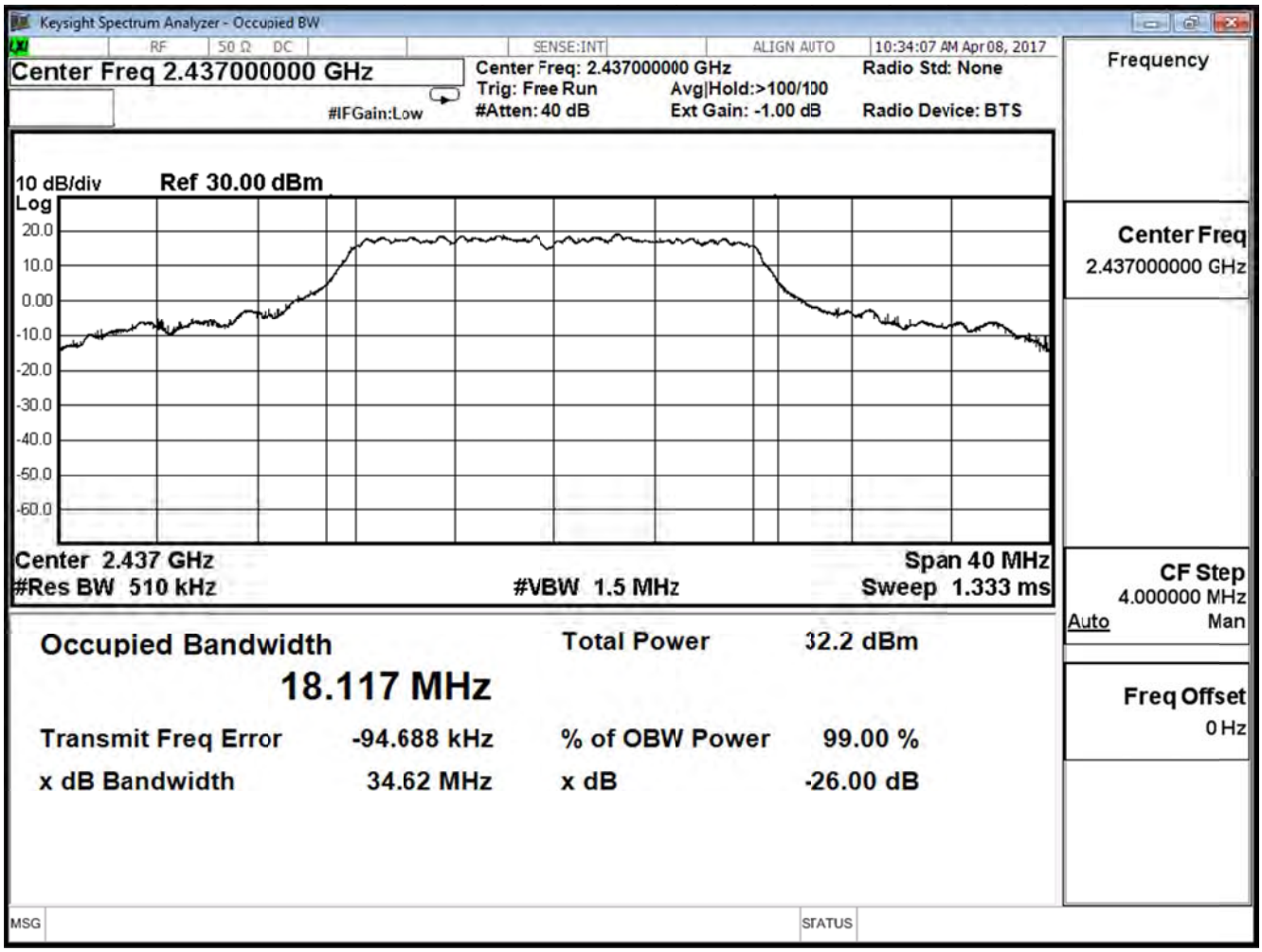
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level(MHz)	Limit (MHz)	Result
1	2412	18.365	--	Pass
6	2437	18.117	--	Pass
11	2462	18.374	--	Pass

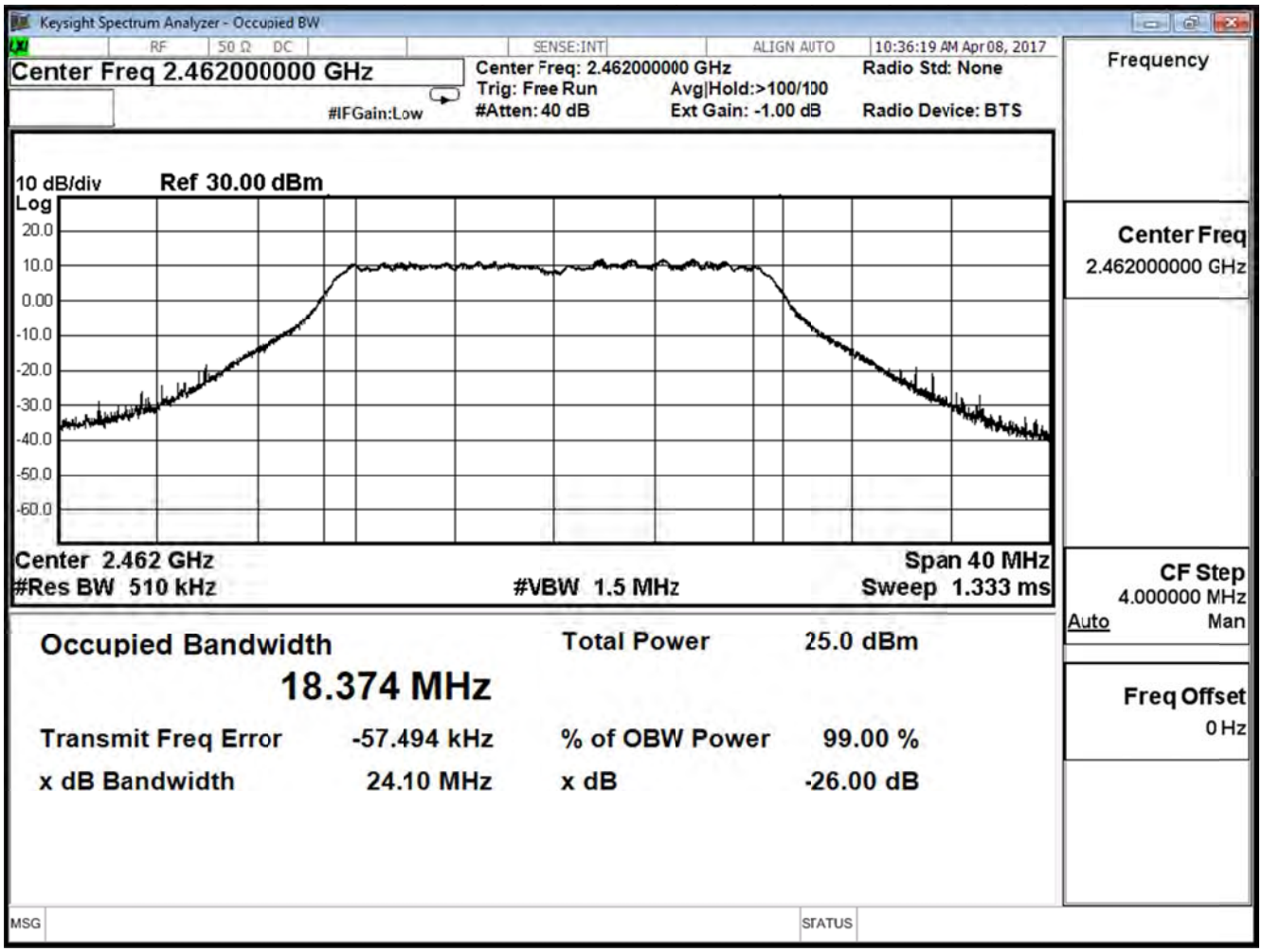
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:34:07 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.117 MHz
Total Power
32.2 dBm
Transmit Freq Error
-94.688 kHz
% of OBW Power
99.00 %
x dB Bandwidth
34.62 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

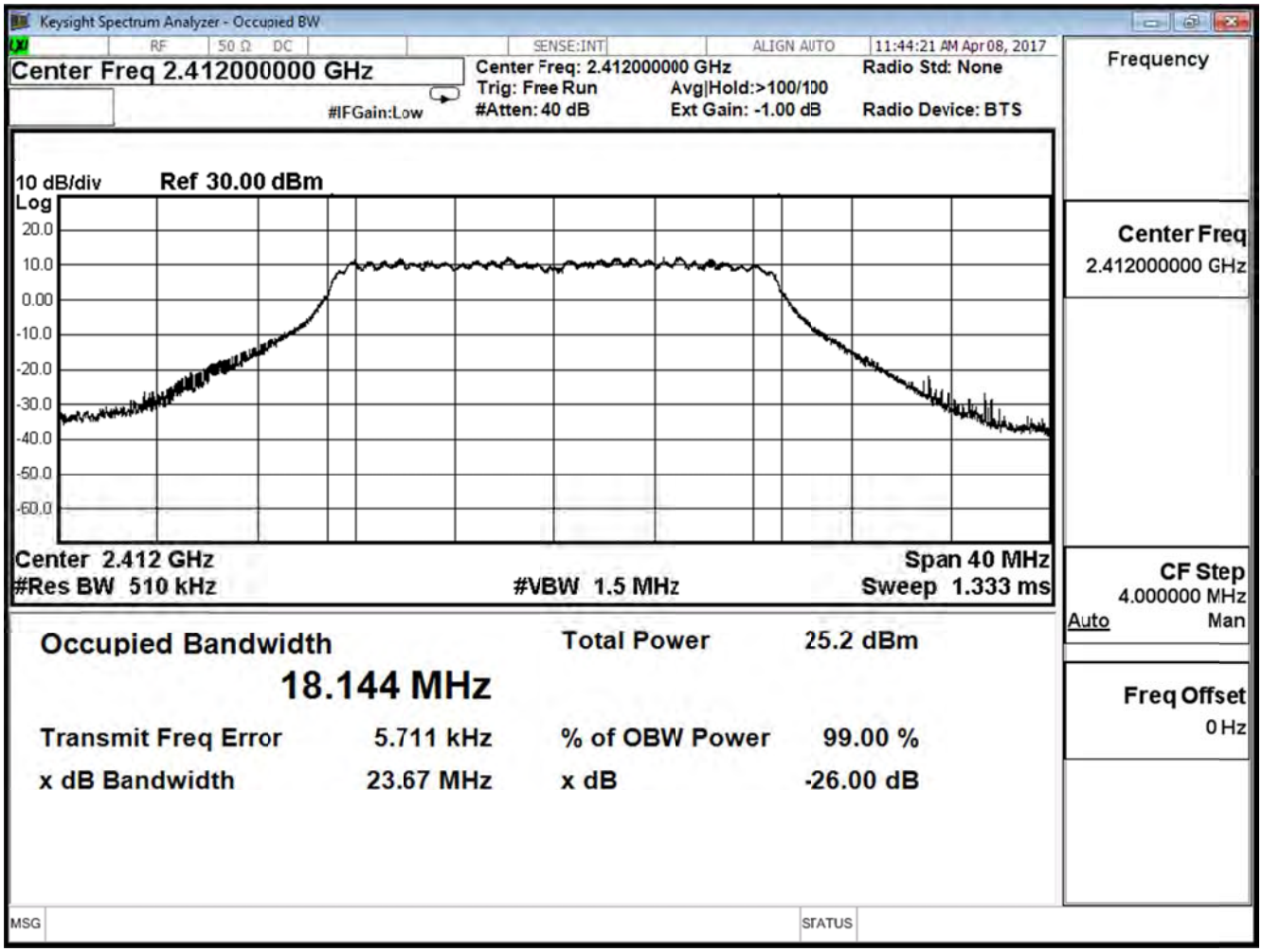
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:36:19 AM Apr 08, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.374 MHz
Total Power
25.0 dBm
Transmit Freq Error
-57.494 kHz
% of OBW Power
99.00 %
x dB Bandwidth
24.10 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

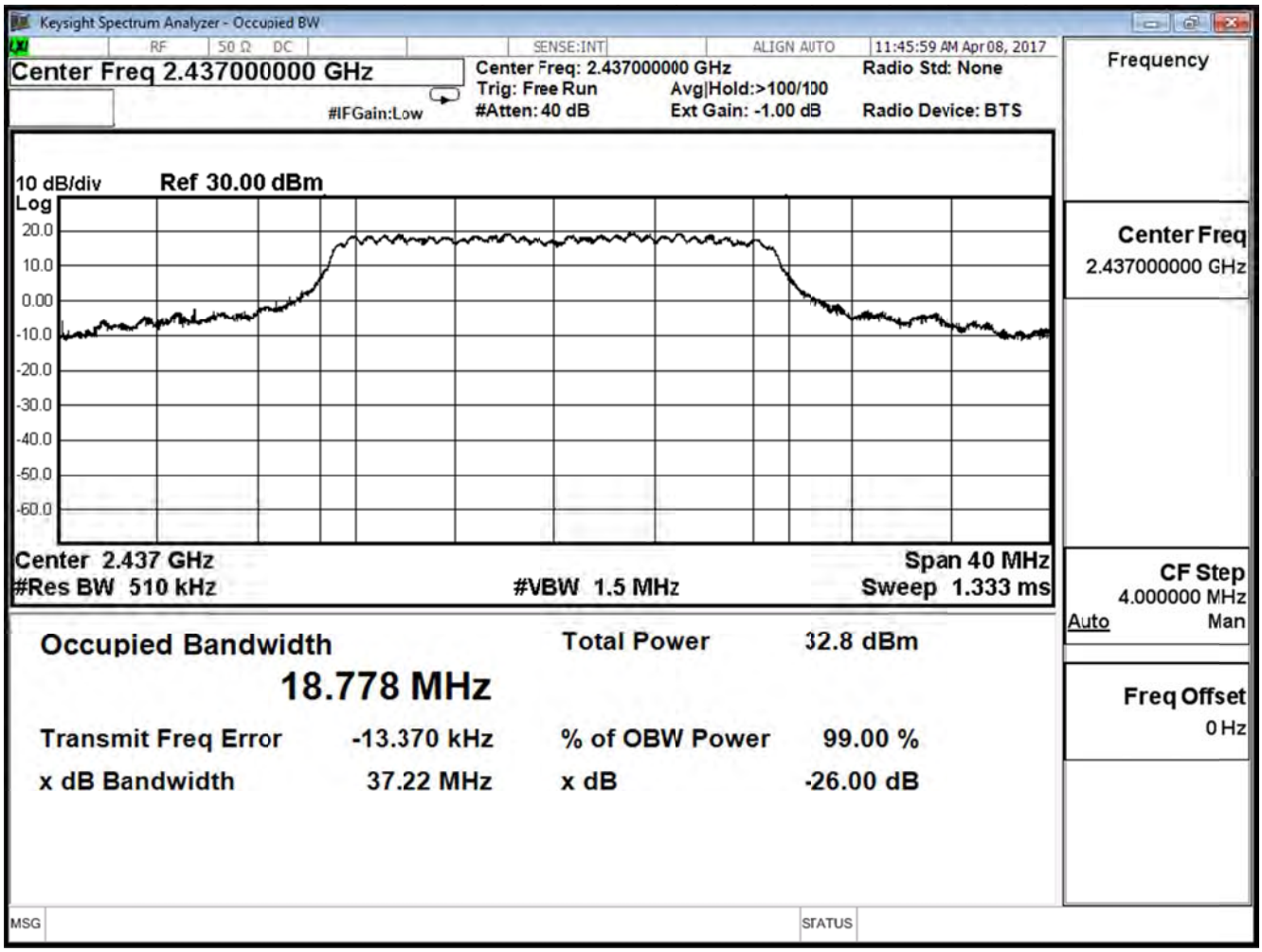
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
1	2412	18.144	--	Pass
6	2437	18.778	--	Pass
11	2462	18.318	--	Pass

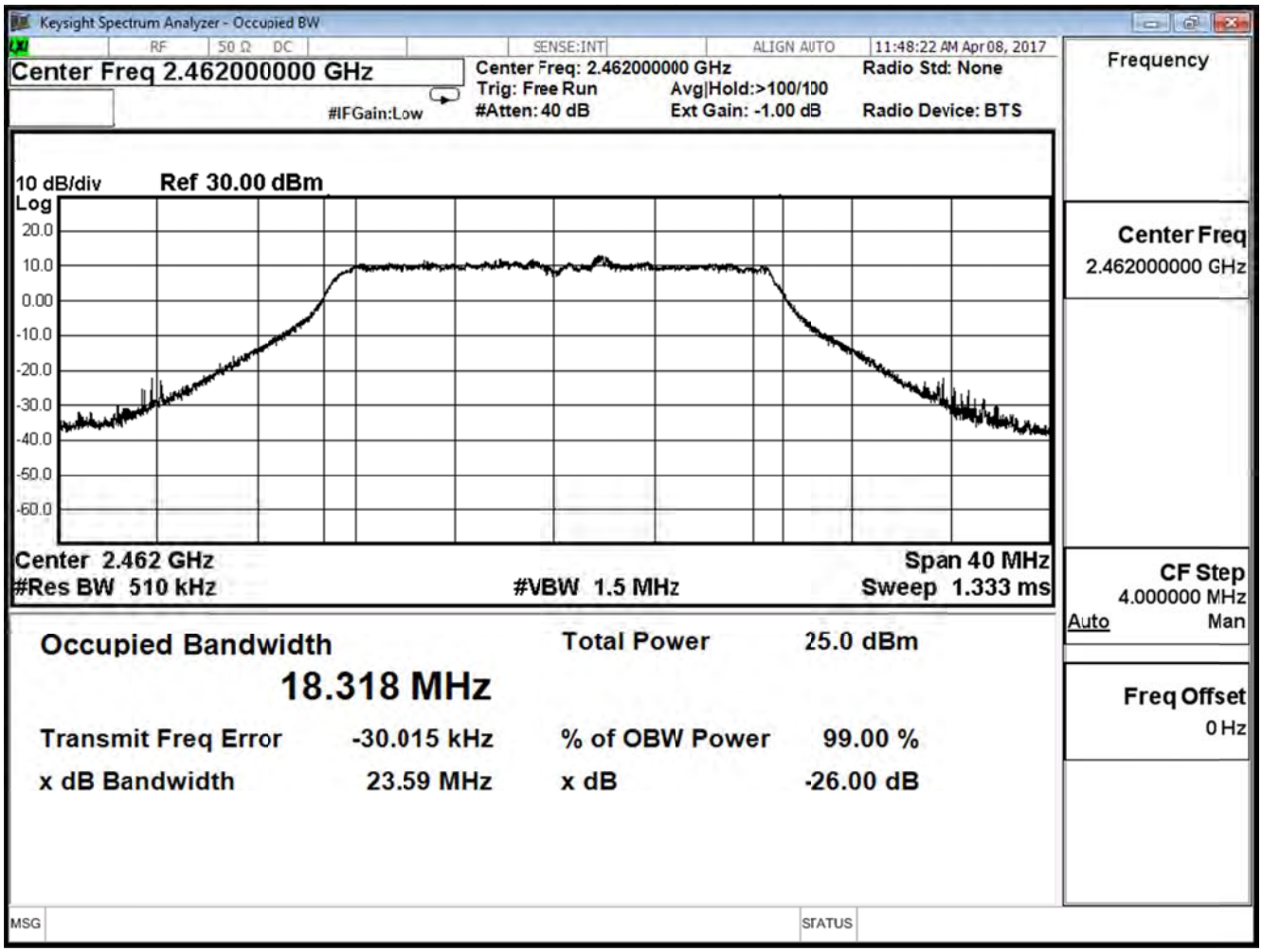
Channel 1



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:45:59 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Ref 30.00 dBm
Log
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.778 MHz
Total Power
32.8 dBm
Transmit Freq Error
-13.370 kHz
% of OBW Power
99.00 %
x dB Bandwidth
37.22 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

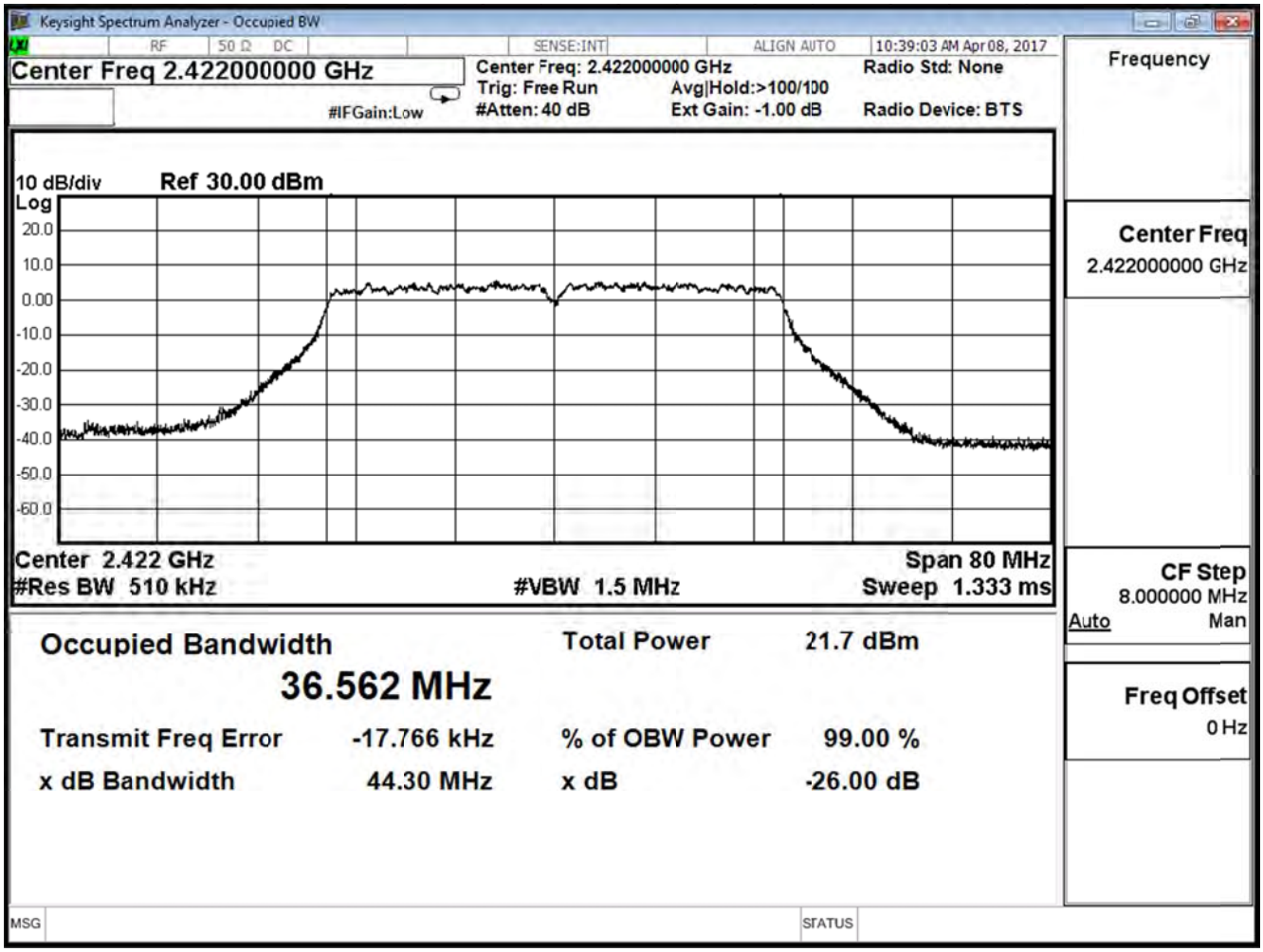
Channel 11


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
11:48:22 AM Apr 08, 2017
Center Freq 2.462000000 GHz
Center Freq: 2.462000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.462000000 GHz
Center 2.462 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1.333 ms
CF Step
4.000000 MHz
Auto
Man
Occupied Bandwidth
18.318 MHz
Total Power
25.0 dBm
Transmit Freq Error
-30.015 kHz
% of OBW Power
99.00 %
x dB Bandwidth
23.59 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

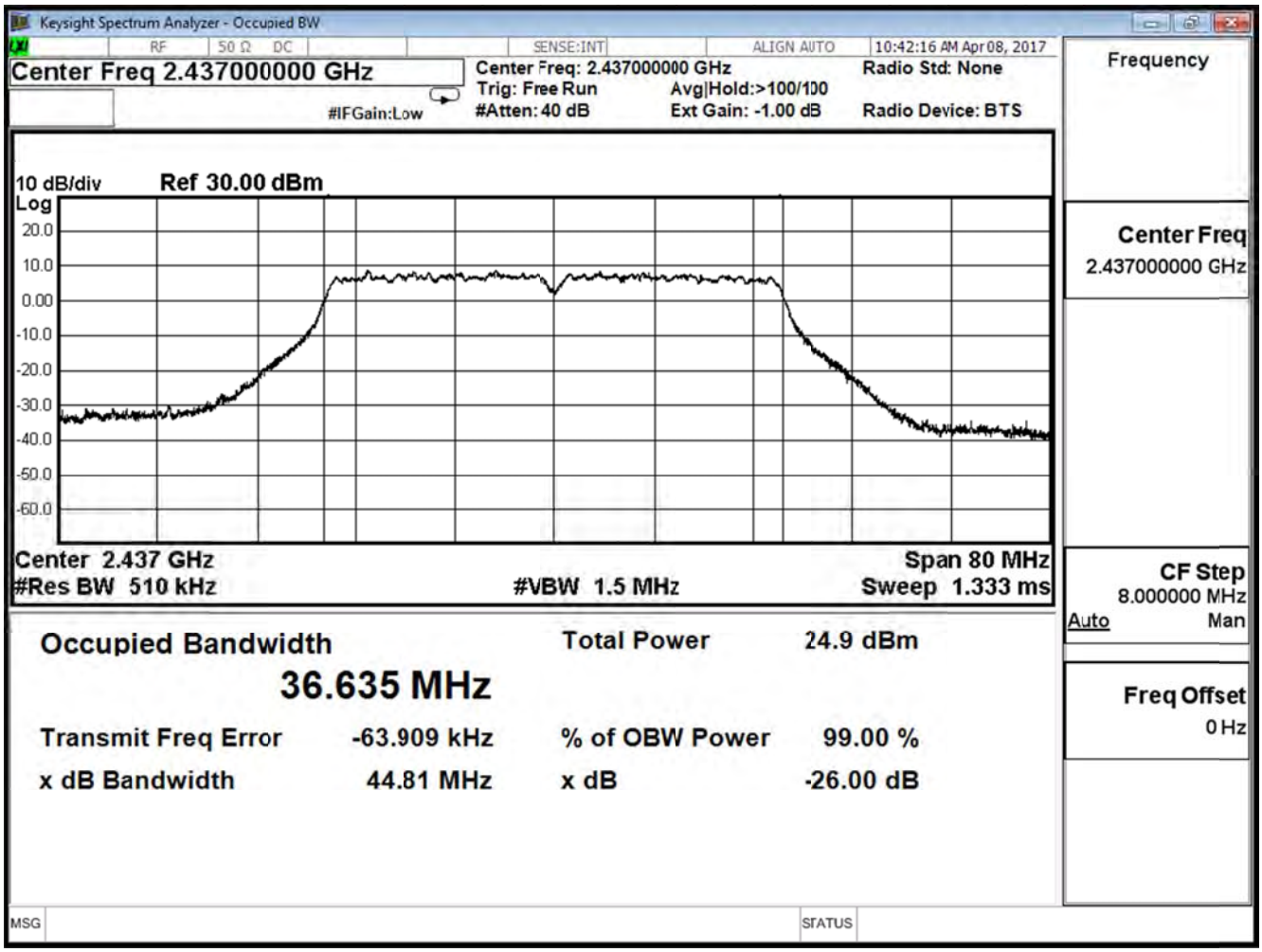
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.562	--	Pass
6	2437	36.635	--	Pass
9	2452	36.556	--	Pass

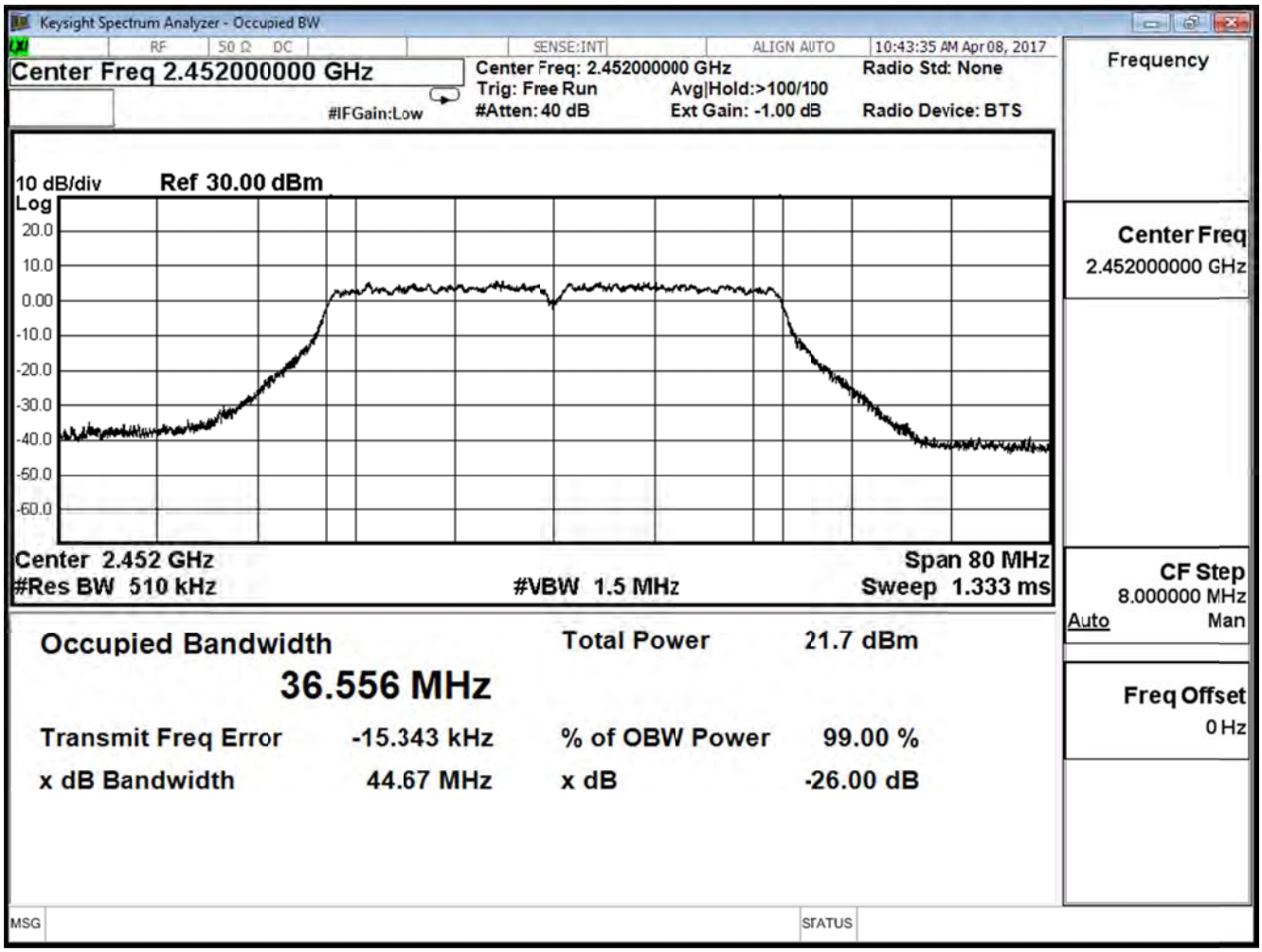
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
10:42:16 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.635 MHz
Total Power
24.9 dBm
Freq Offset
0 Hz
Transmit Freq Error
-63.909 kHz
% of OBW Power
99.00 %
x dB Bandwidth
44.81 MHz
x dB
-26.00 dB
MSG
STATUS

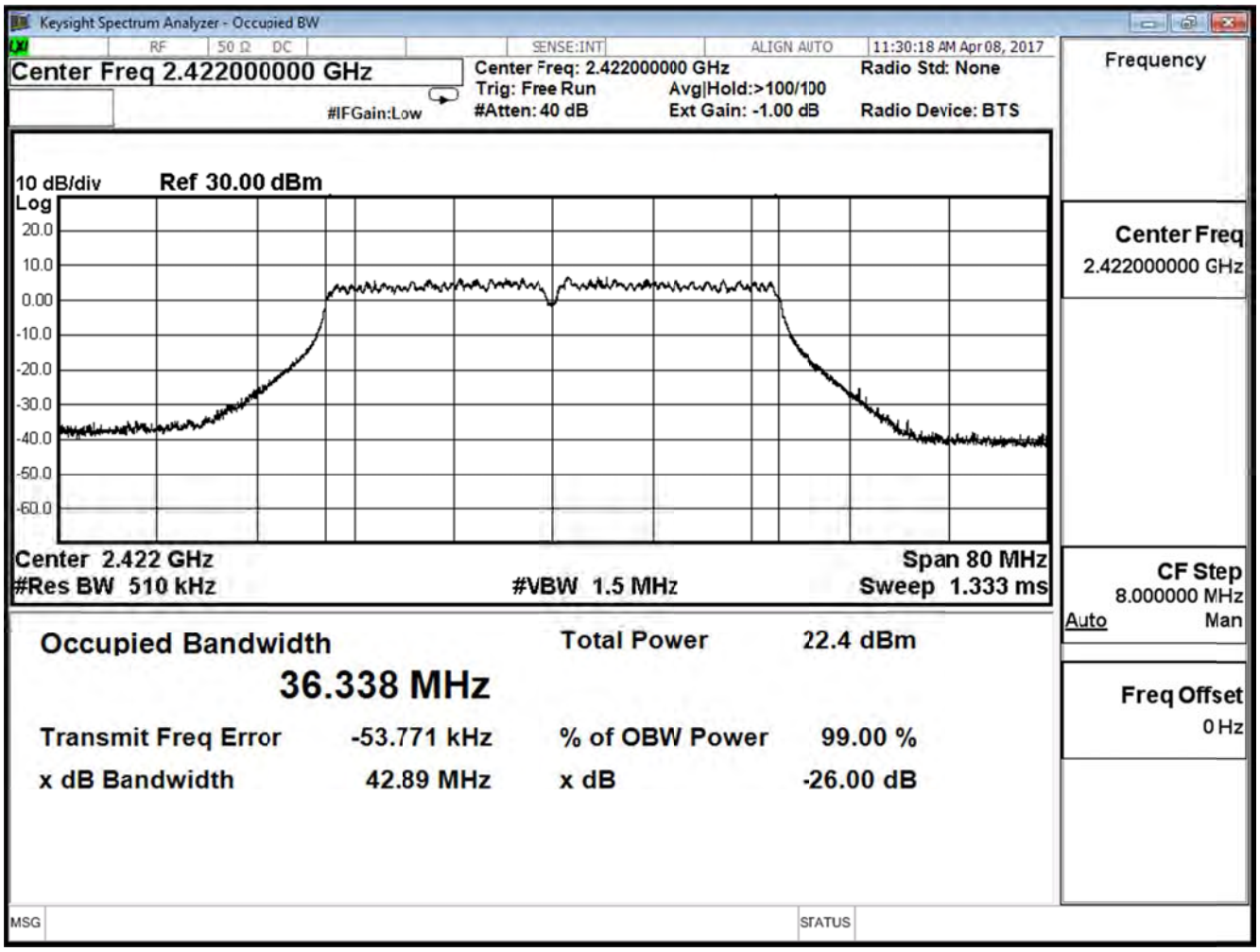
Channel 9


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:43:35 AM Apr 08, 2017
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.556 MHz
Total Power
21.7 dBm
Transmit Freq Error
-15.343 kHz
% of OBW Power
99.00 %
x dB Bandwidth
44.67 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

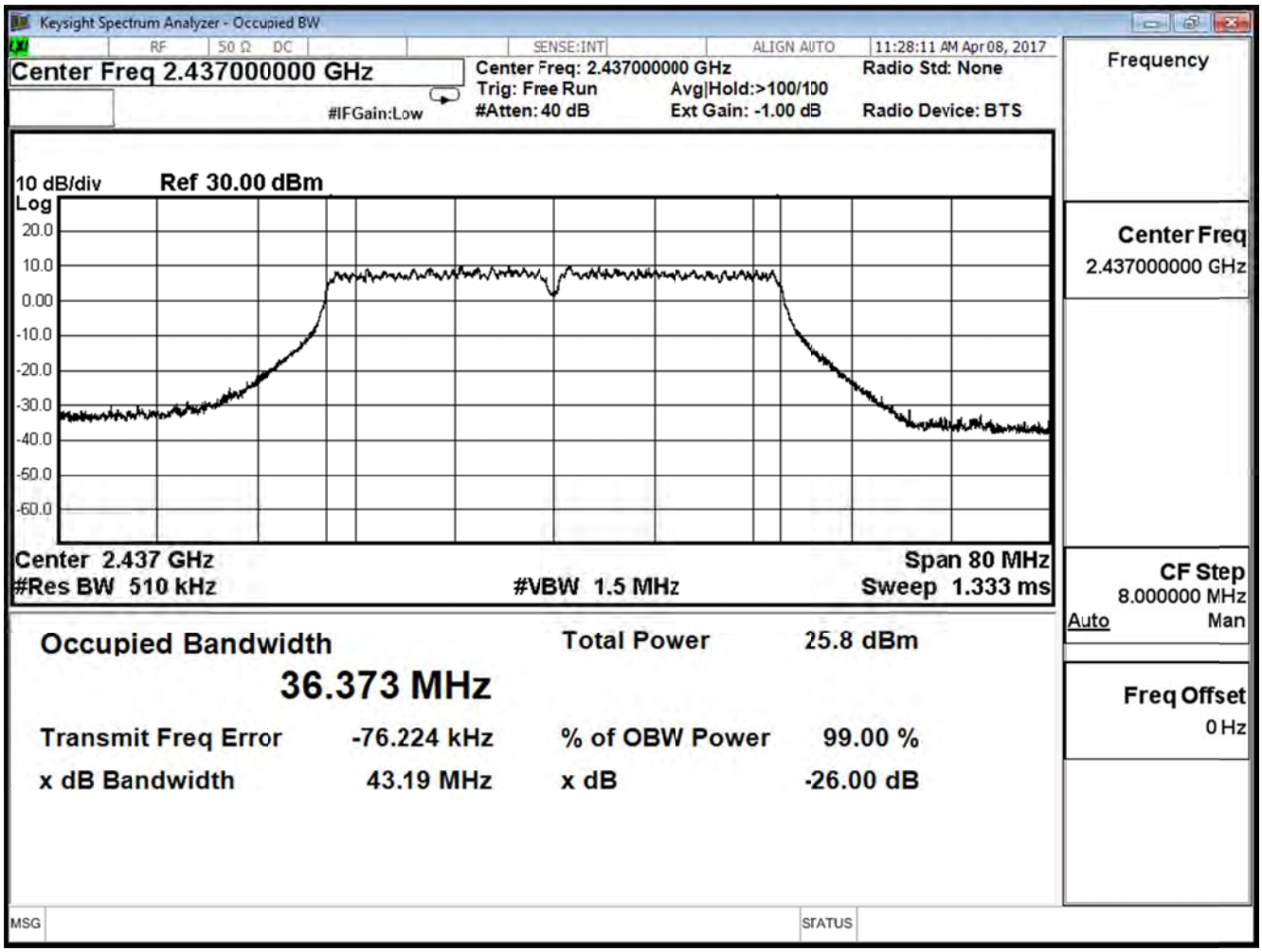
Product	Lyra		
Test Item	Occupied Bandwidth		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (MHz)	Limit (MHz)	Result
3	2422	36.338	--	Pass
6	2437	36.373	--	Pass
9	2452	36.354	--	Pass

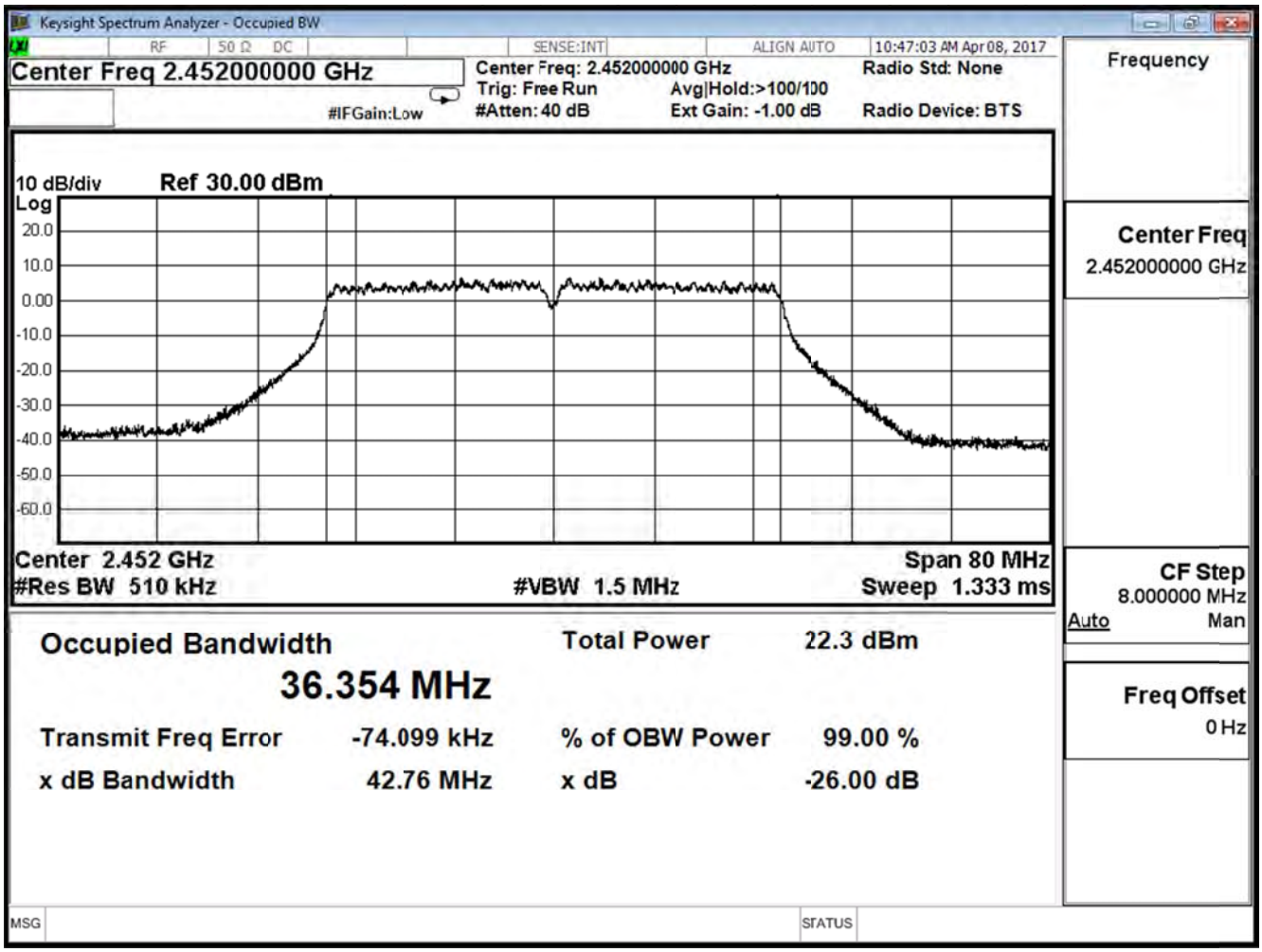
Channel 3



Channel 6


Keysight Spectrum Analyzer - Occupied BW
RF 50 Ω DC
SENSE:INT
ALIGN AUTO
11:28:11 AM Apr 08, 2017
Center Freq 2.437000000 GHz
Center Freq: 2.437000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.437000000 GHz
Center 2.437 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.373 MHz
Total Power
25.8 dBm
Freq Offset
0 Hz
Transmit Freq Error
-76.224 kHz
% of OBW Power
99.00 %
x dB Bandwidth
43.19 MHz
x dB
-26.00 dB
MSG
STATUS

Channel 9


Keysight Spectrum Analyzer - Occupied BW
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
10:47:03 AM Apr 08, 2017
Center Freq 2.452000000 GHz
Center Freq: 2.452000000 GHz
Trig: Free Run
Avg|Hold:>100/100
#IFGain:Low
#Atten: 40 dB
Ext Gain: -1.00 dB
Radio Std: None
Radio Device: BTS
Frequency
10 dB/div
Log
Ref 30.00 dBm
20.0
10.0
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
Center Freq
2.452000000 GHz
Center 2.452 GHz
#Res BW 510 kHz
#VBW 1.5 MHz
Span 80 MHz
Sweep 1.333 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.354 MHz
Total Power
22.3 dBm
Transmit Freq Error
-74.099 kHz
% of OBW Power
99.00 %
x dB Bandwidth
42.76 MHz
x dB
-26.00 dB
Freq Offset
0 Hz
MSG
STATUS

9. Power Density

9.1. Test Equipment

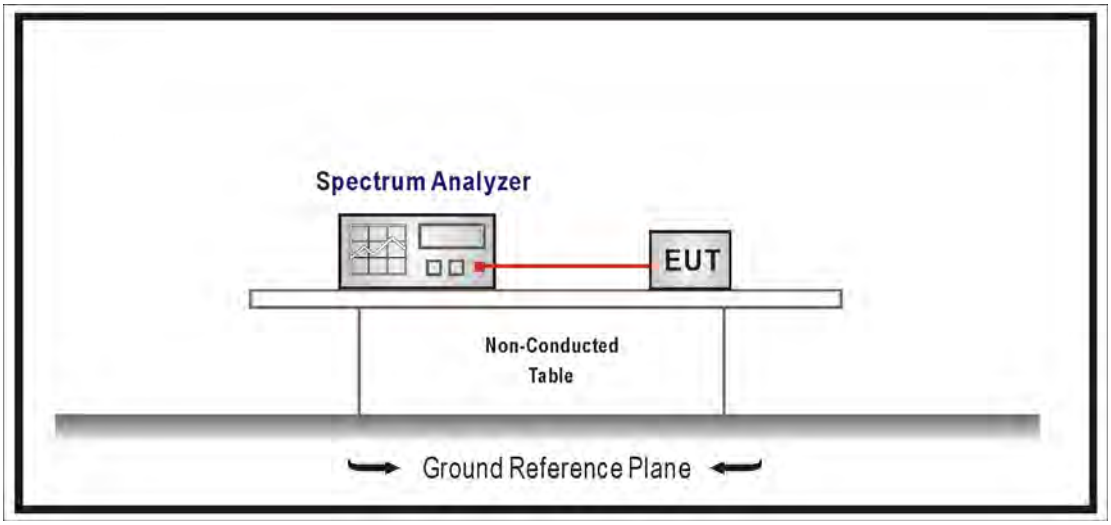
The following test equipment is used during the test:

Power Density / SR10-H

Instrument	Manufacturer	Model No.	Serial No	Next Cal. Date
Spectrum Analyzer	Agilent	N9010A	US47140172	2017/08/08
EXA Signal Analyzer	Keysight	N9010A	MY51440132	2018/03/12

Note: All equipments that need to calibrate are with calibration period of 1 year.

9.2. Test Setup



9.3. Limits

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8dBm in any 3kHz band during any time interval of continuous transmission.

9.4. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure section 10.2 of KDB558074v03r05for compliance to FCC 47CFR 15.247 requirements.
Set 3KHz ≦RBW≦100 kHz, Set VBW≧3xRBW, Sweep time=Auto, Set Peak detector.

9.5. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247: 2015

9.6. Uncertainty

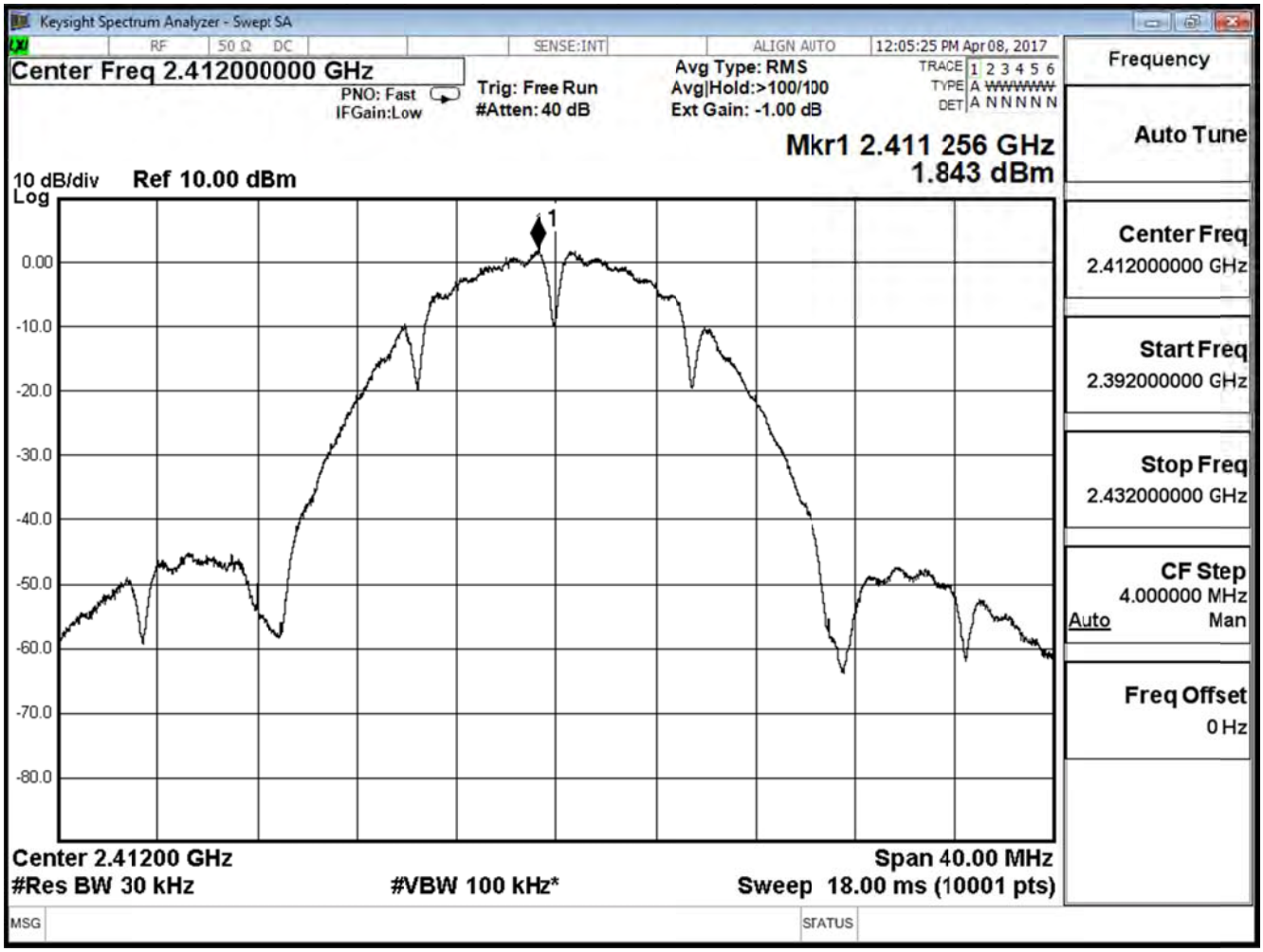
The measurement uncertainty is defined as ±1.27dB.

9.7. Test Result

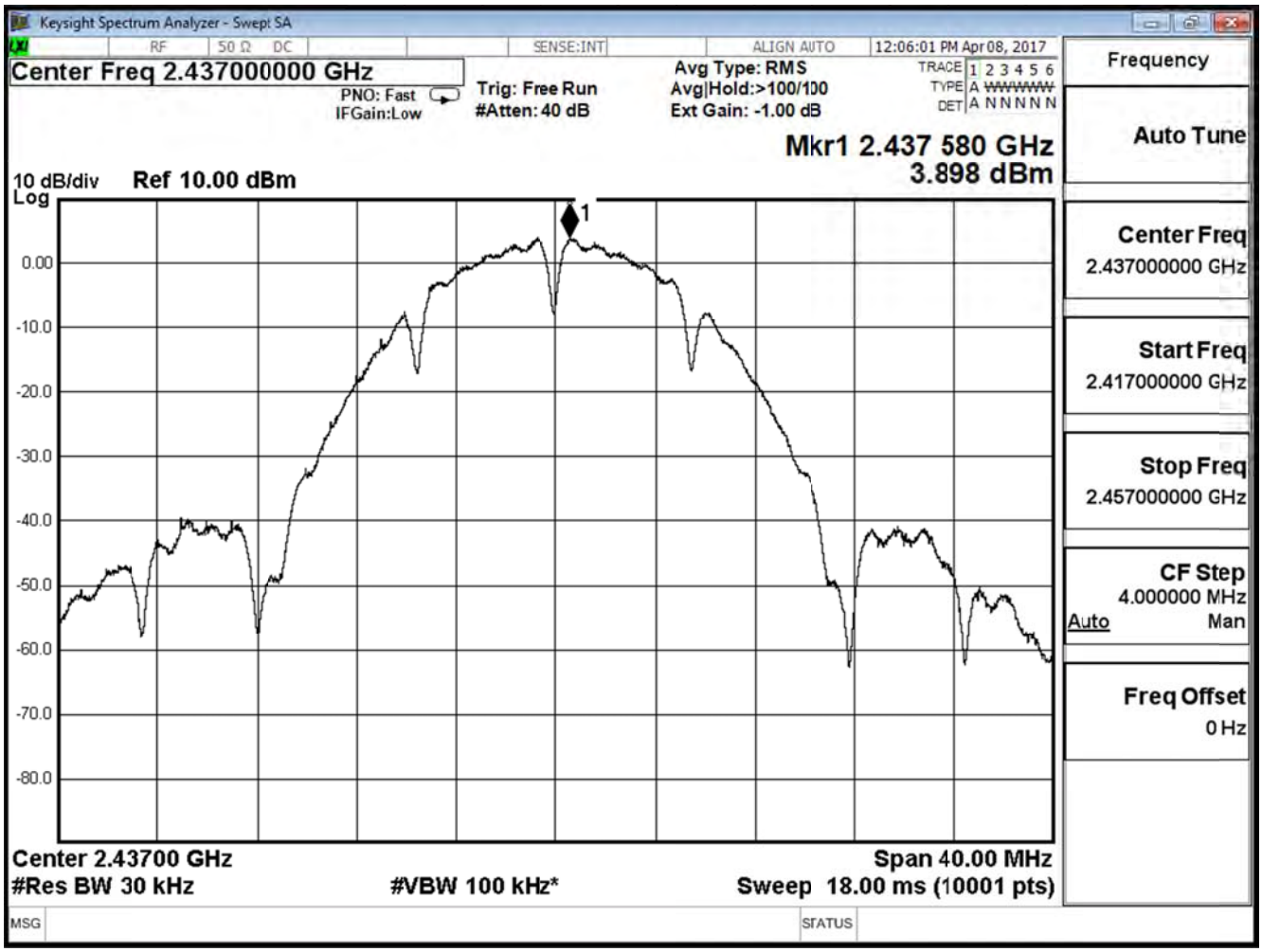
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE 802.11b (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	1.843	8.00	Pass
6	2437	3.898	8.00	Pass
11	2462	3.366	8.00	Pass

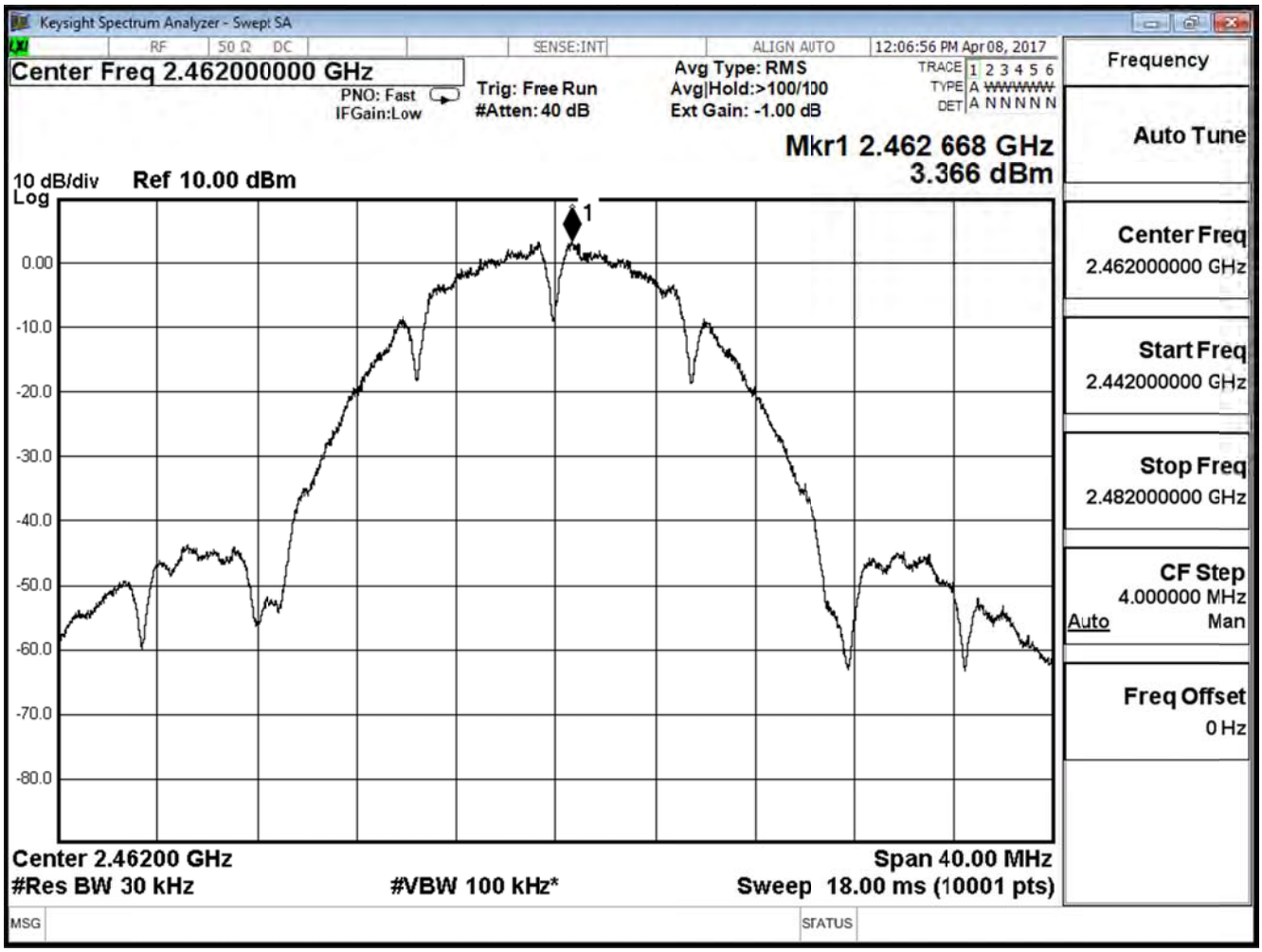
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:06:01 PM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.437 580 GHz
3.898 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

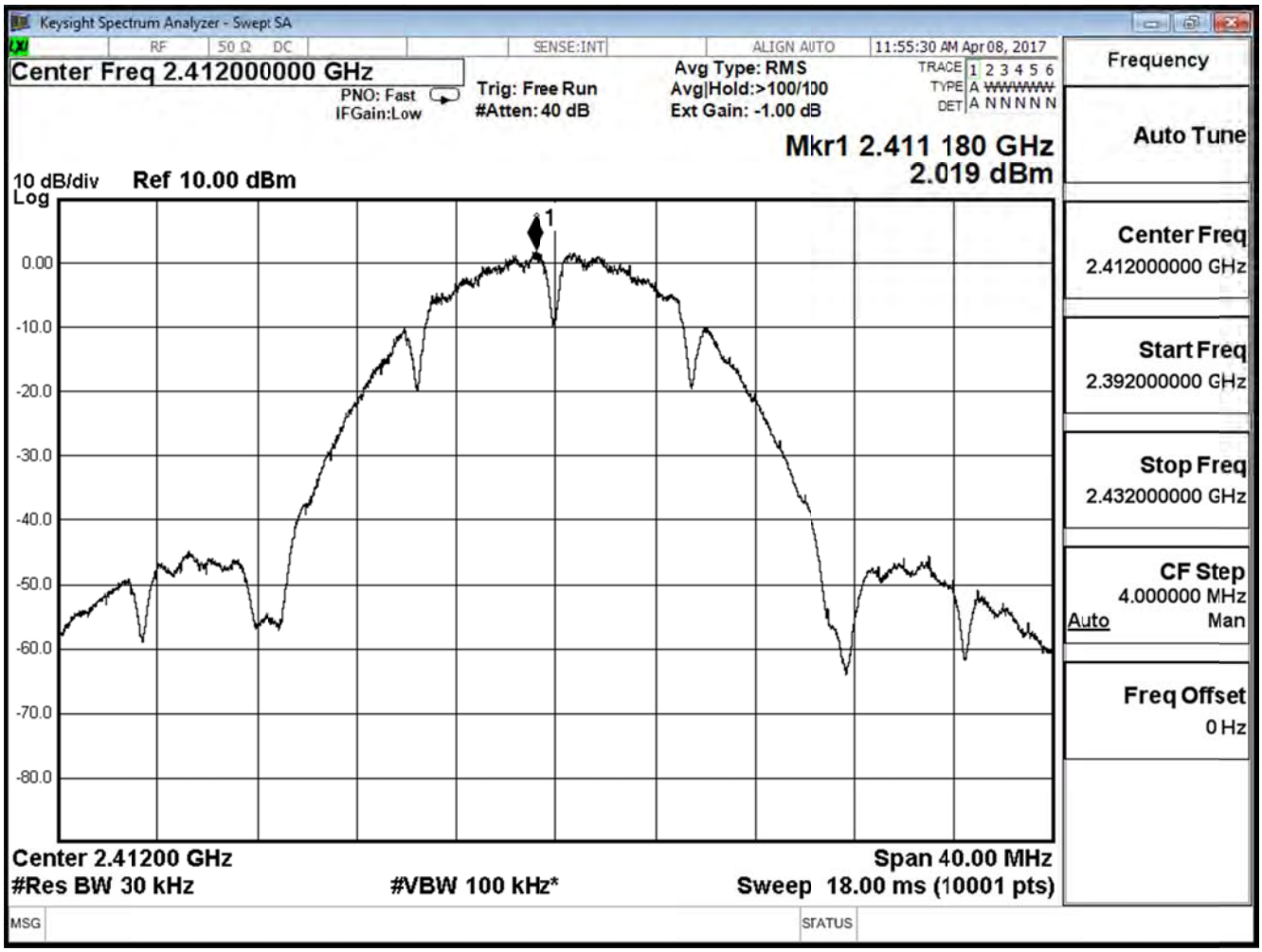
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:06:56 PM Apr 08, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.462 668 GHz
3.366 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

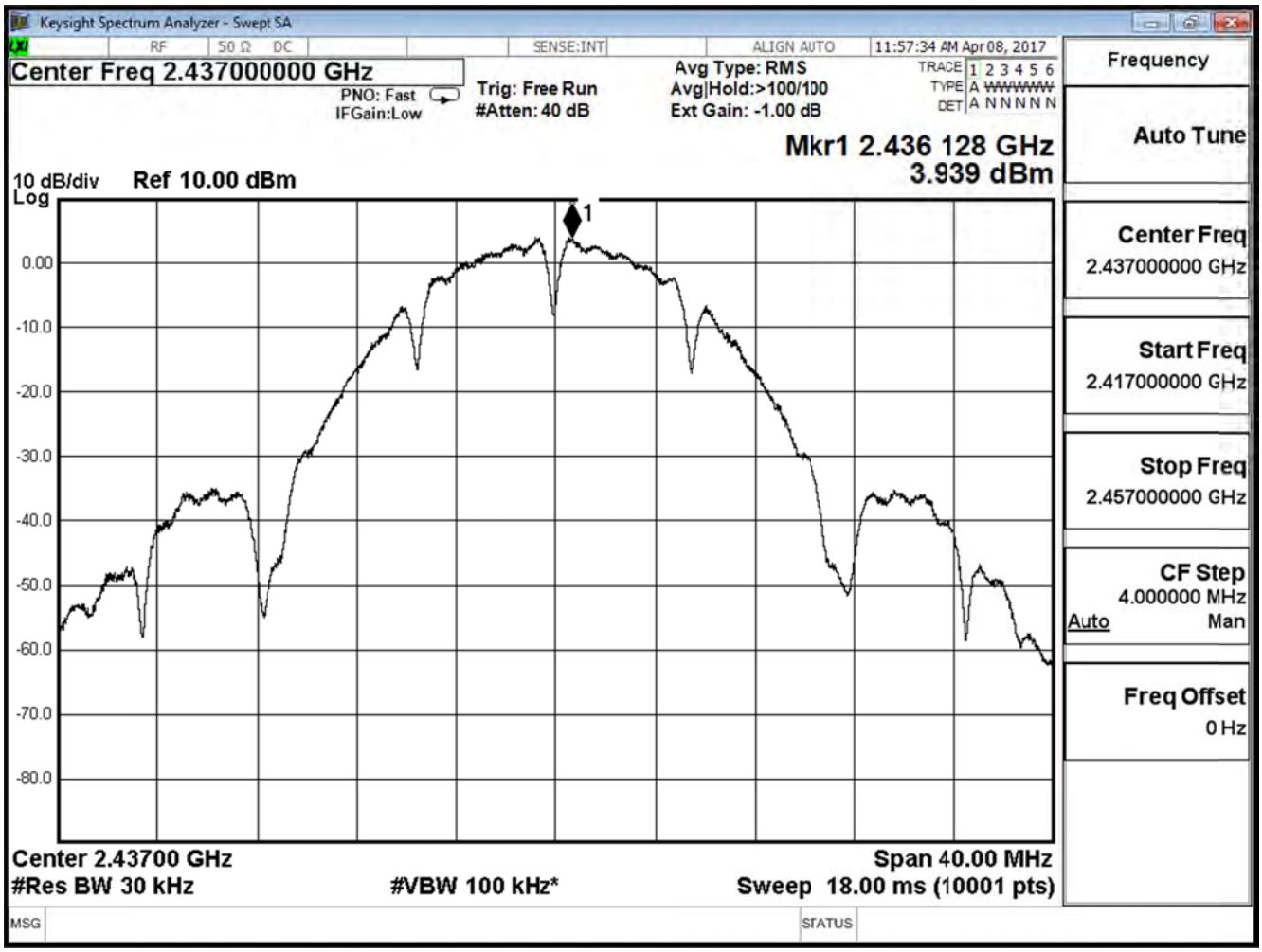
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE 802.11b (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	2.019	8.00	Pass
6	2437	3.939	8.00	Pass
11	2462	2.874	8.00	Pass

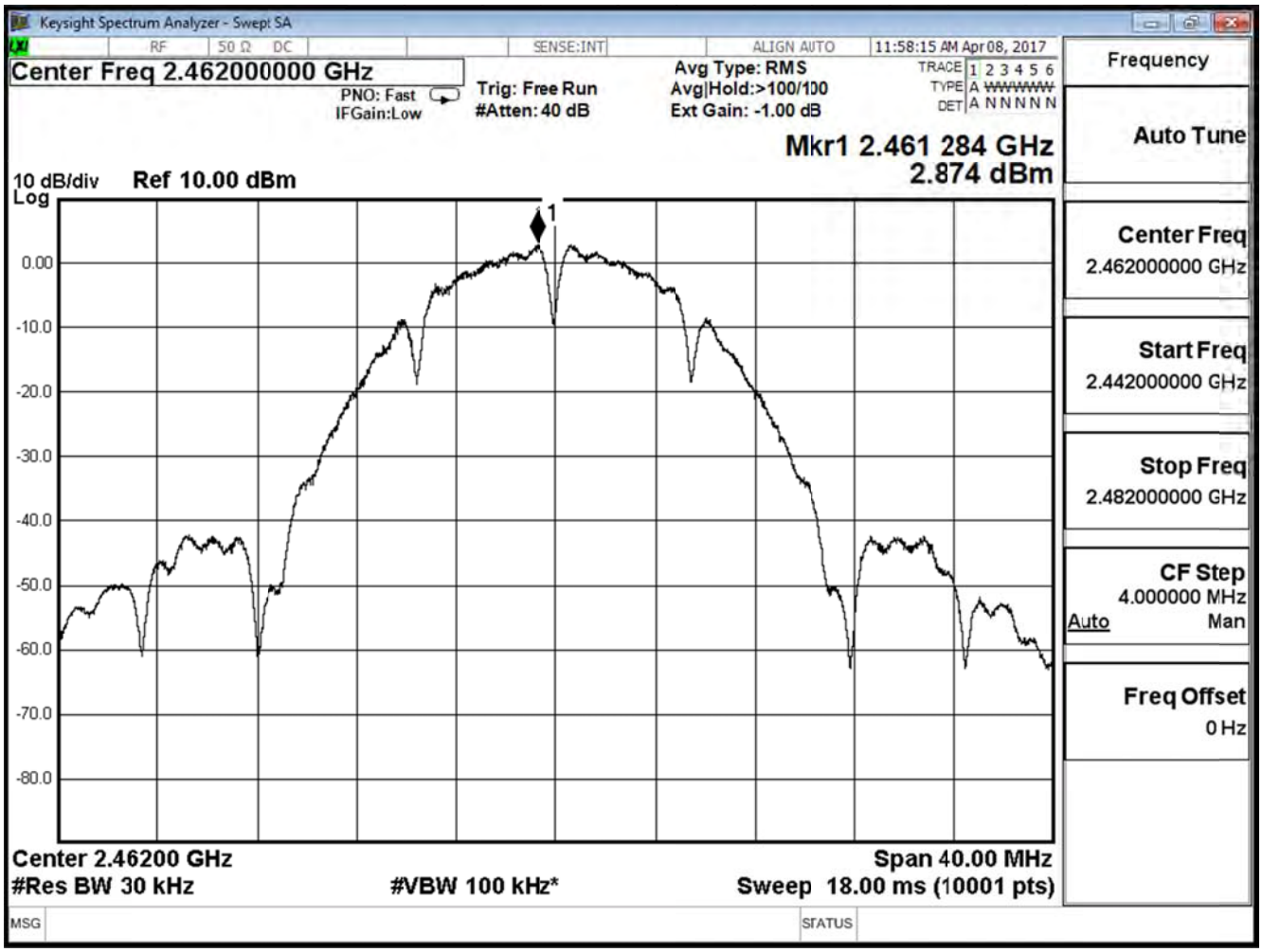
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:57:34 AM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.436 128 GHz
3.939 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:58:15 AM Apr 08, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.461 284 GHz
2.874 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

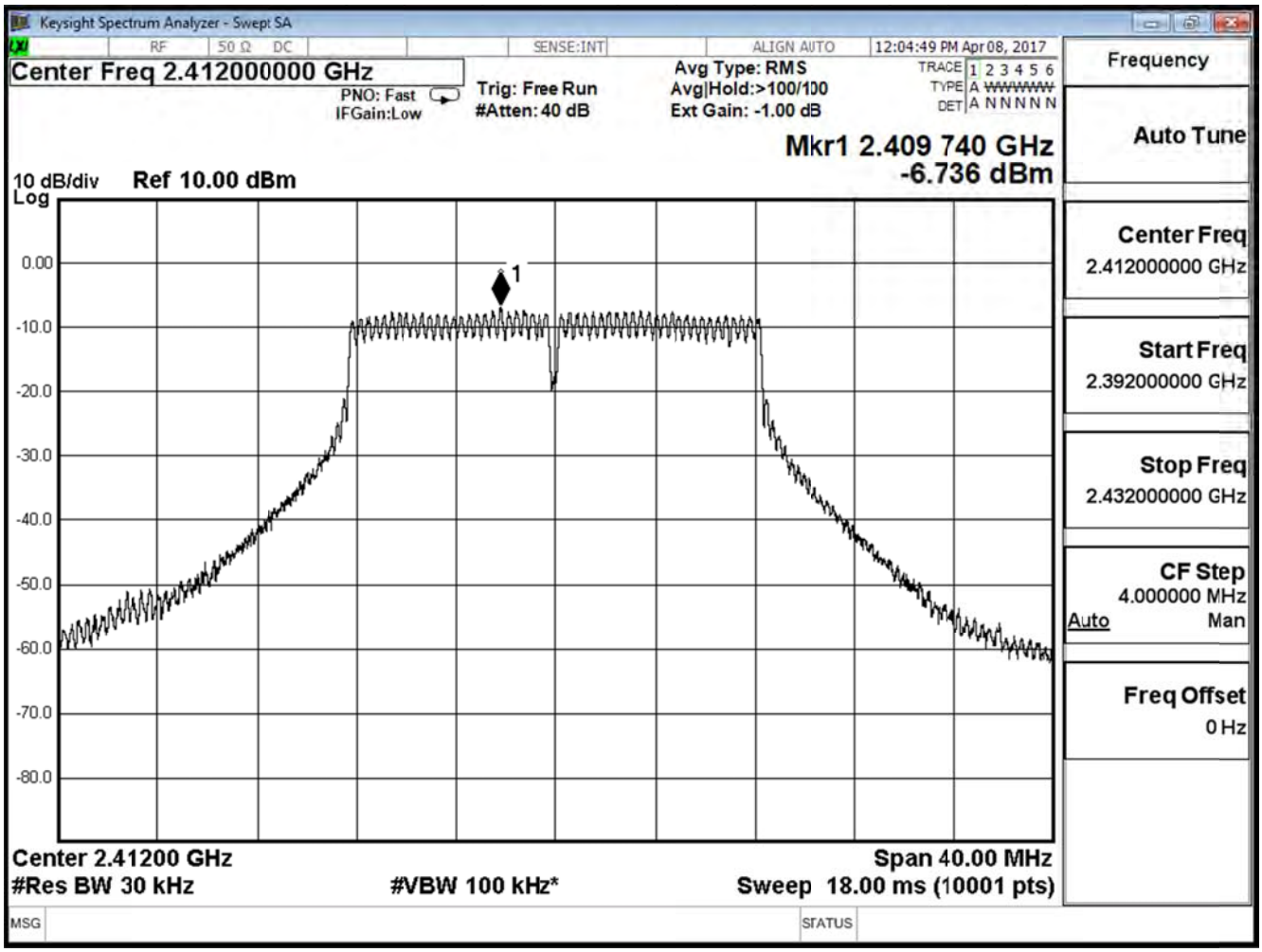
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE 802.11b (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	4.94	8.00	Pass
6	2437	6.93	8.00	Pass
11	2462	6.14	8.00	Pass

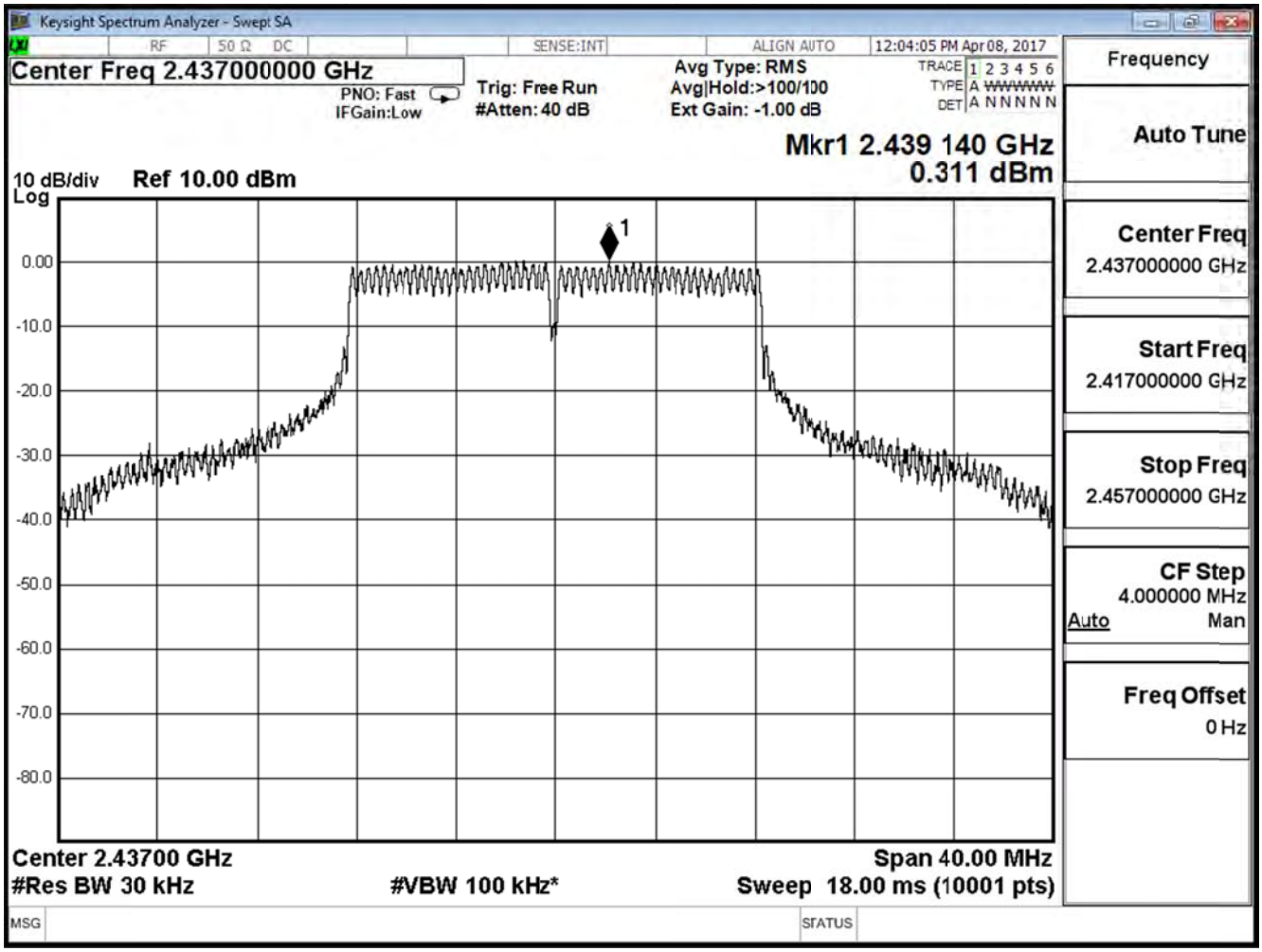
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE 802.11g (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-6.736	8.00	Pass
6	2437	0.311	8.00	Pass
11	2462	-7.721	8.00	Pass

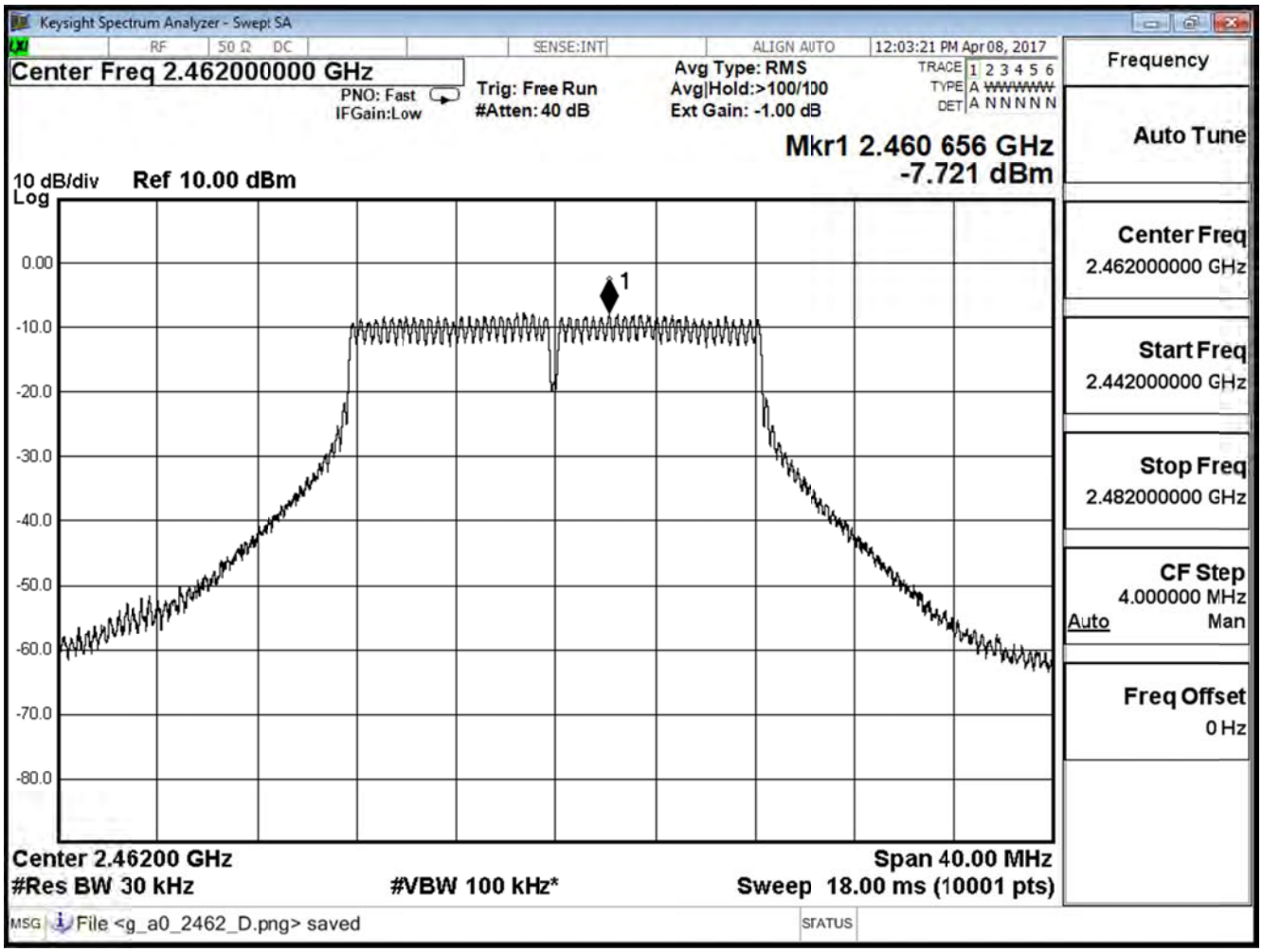
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:04:05 PM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.439 140 GHz
0.311 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

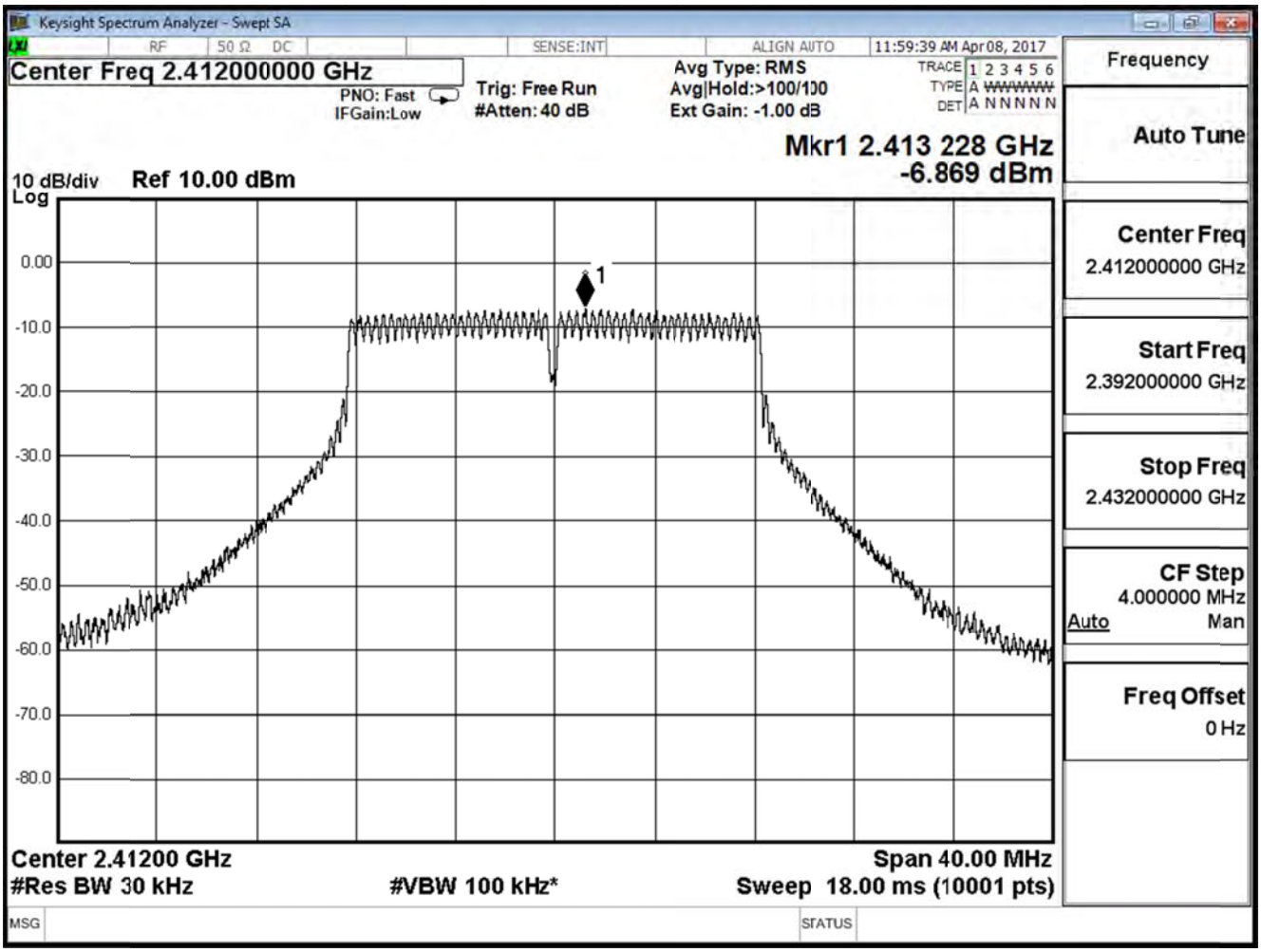
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:03:21 PM Apr 08, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.460 656 GHz
-7.721 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
File <g_a0_2462_D.png> saved
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

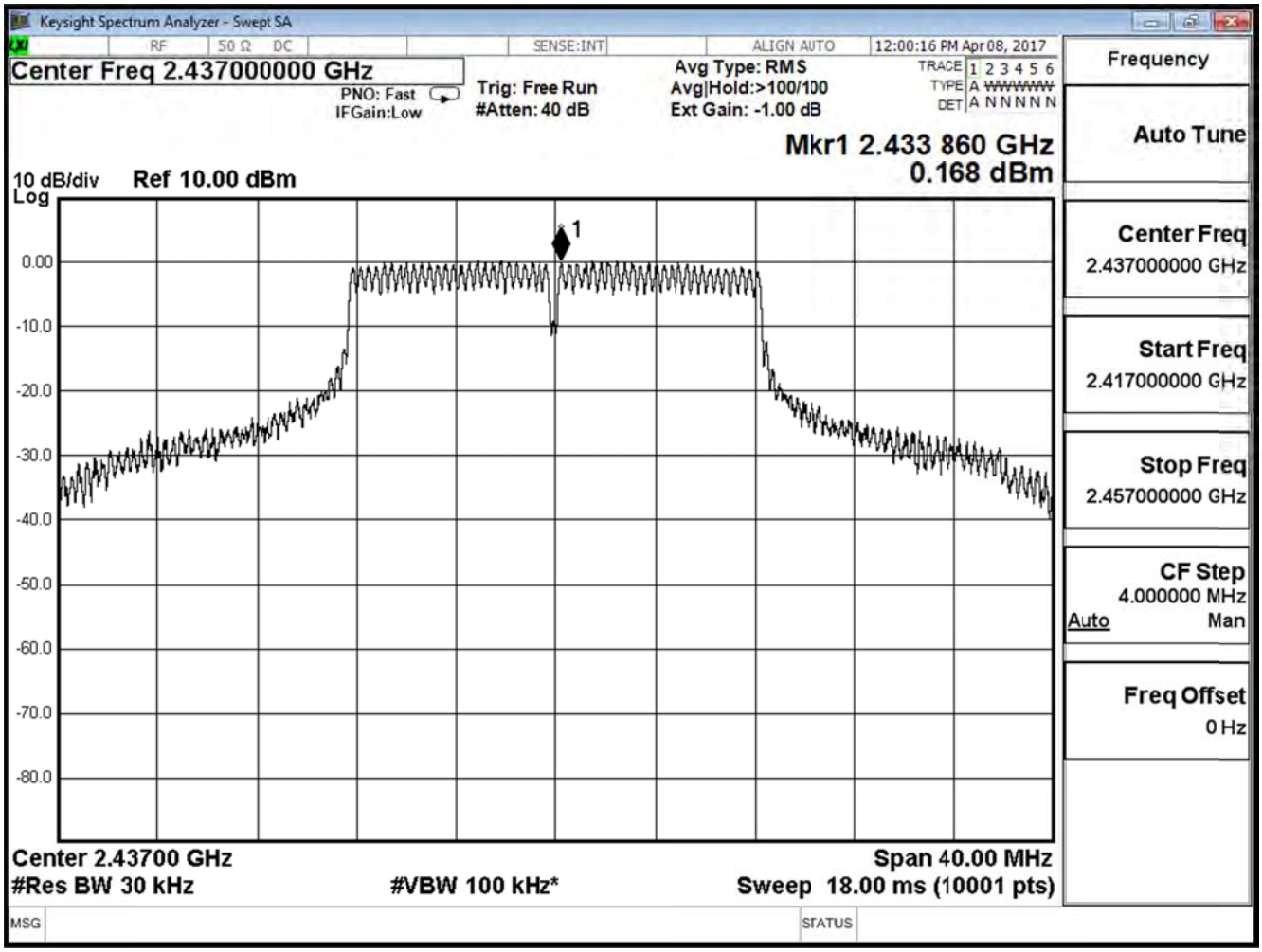
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE 802.11g (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-6.869	8.00	Pass
6	2437	0.168	8.00	Pass
11	2462	-7.582	8.00	Pass

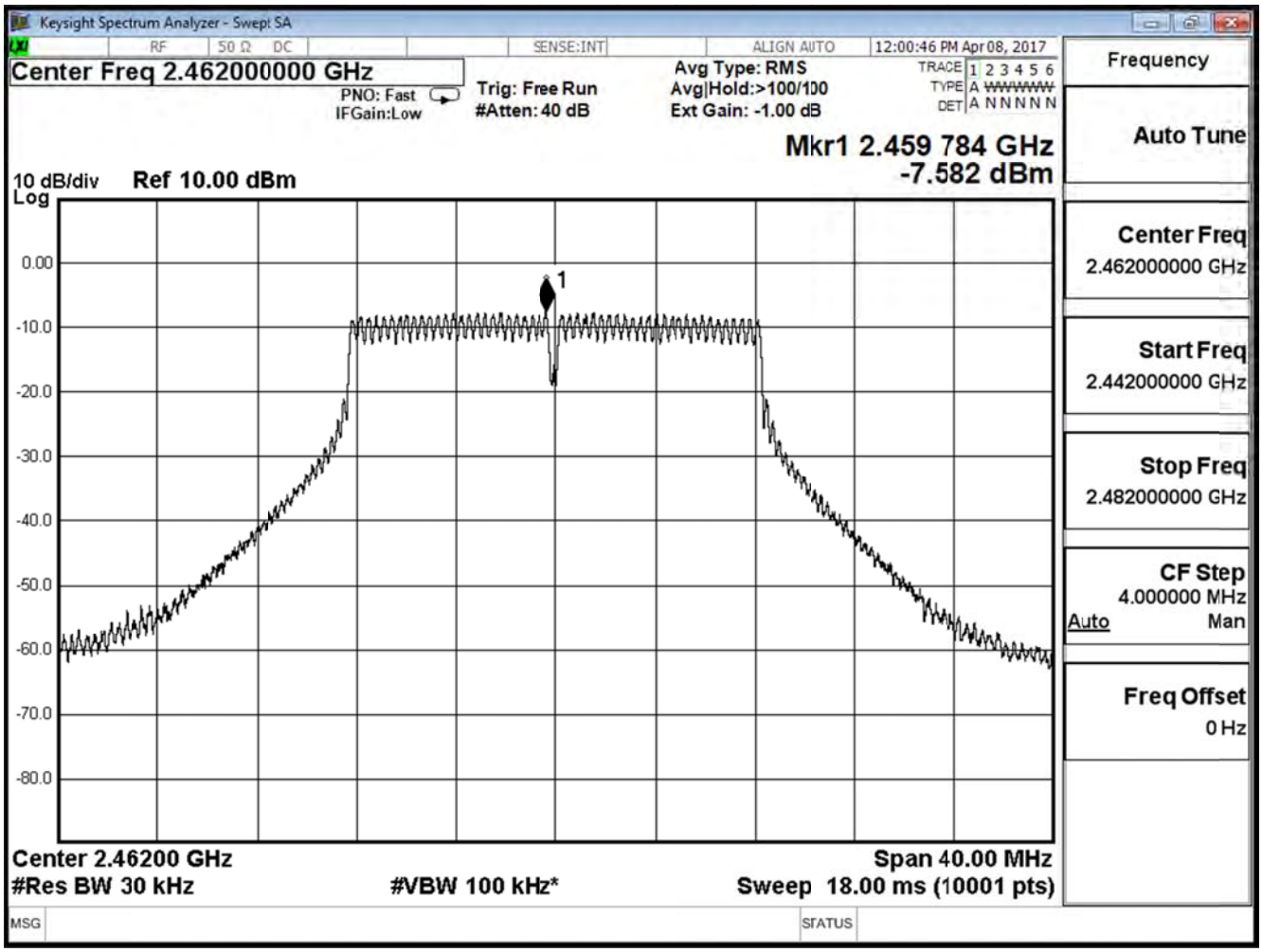
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:00:16 PM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.433 860 GHz
0.168 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:00:46 PM Apr 08, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.459 784 GHz
-7.582 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

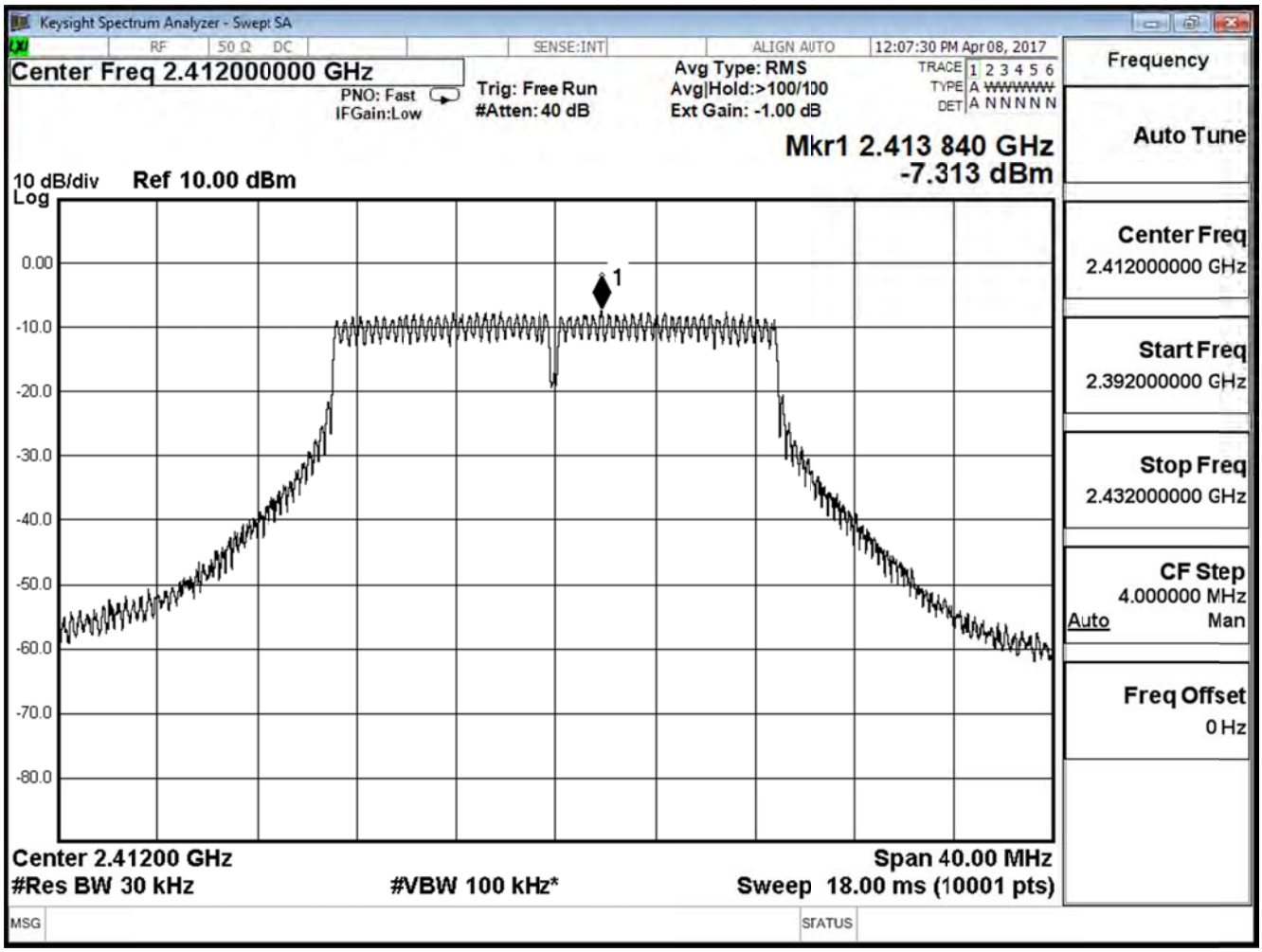
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE 802.11g (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-3.792	8.00	Pass
6	2437	3.250	8.00	Pass
11	2462	-4.641	8.00	Pass

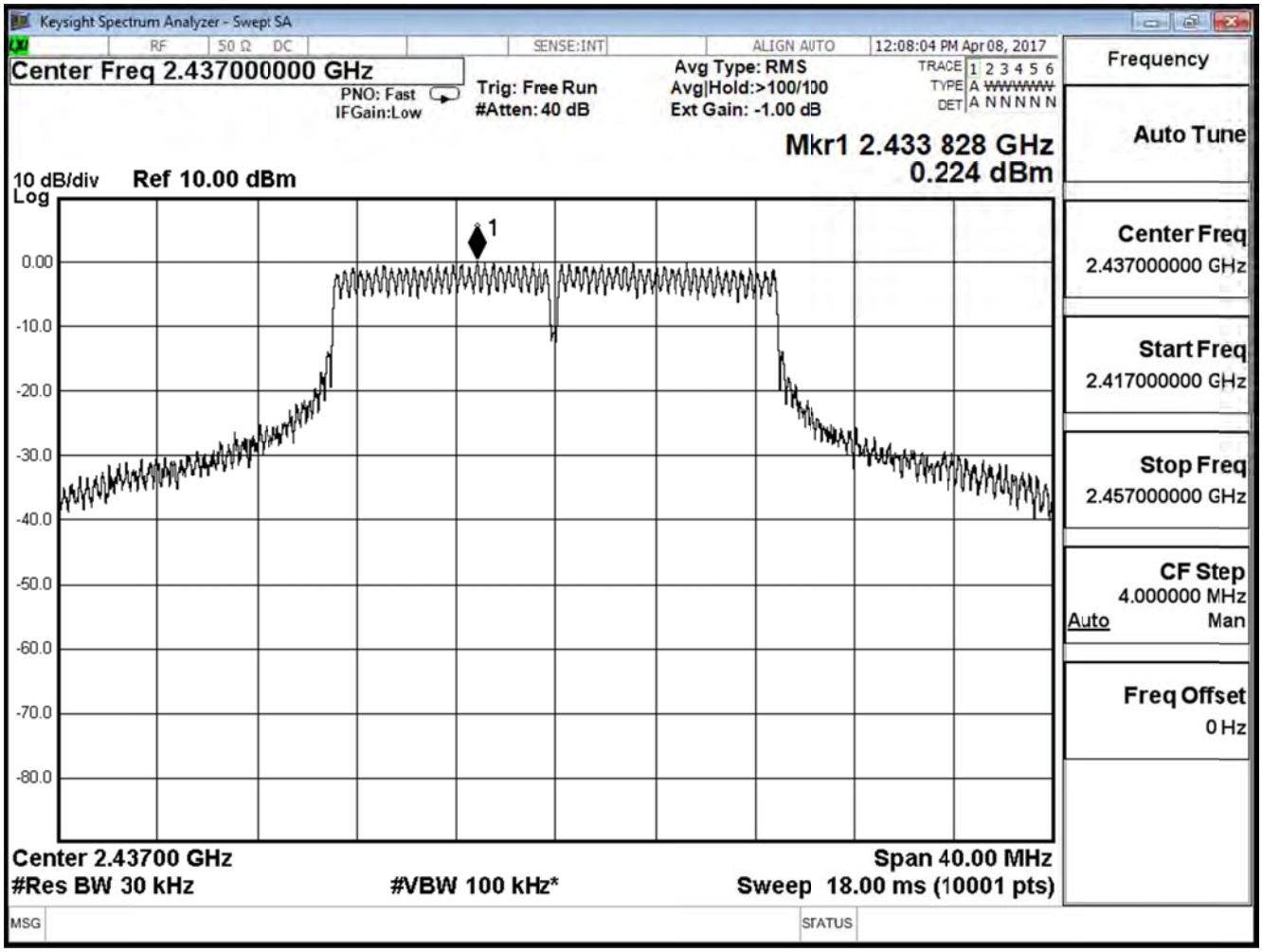
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-7.313	8.00	Pass
6	2437	0.224	8.00	Pass
11	2462	-7.092	8.00	Pass

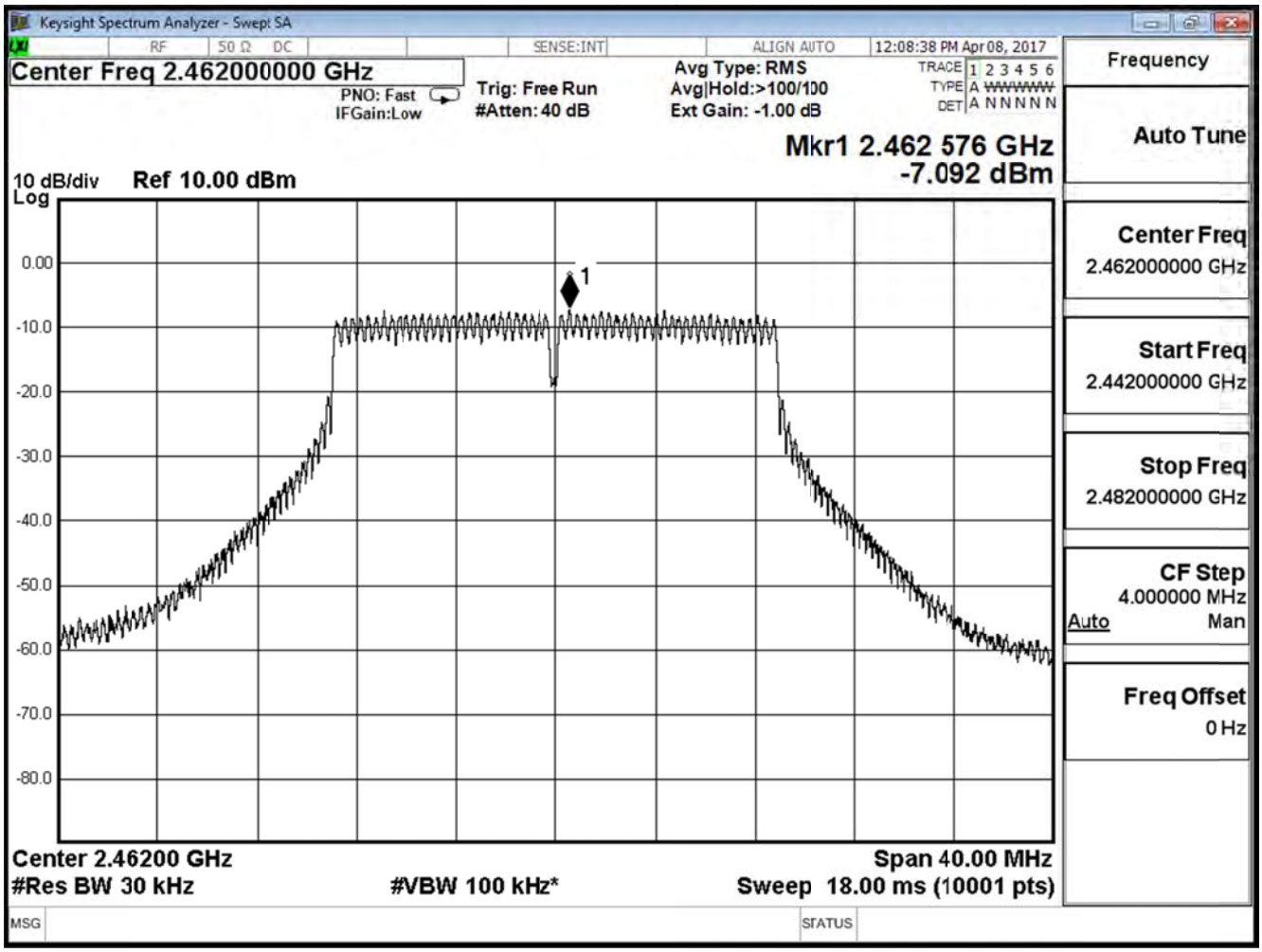
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:08:04 PM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.433 828 GHz
0.224 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

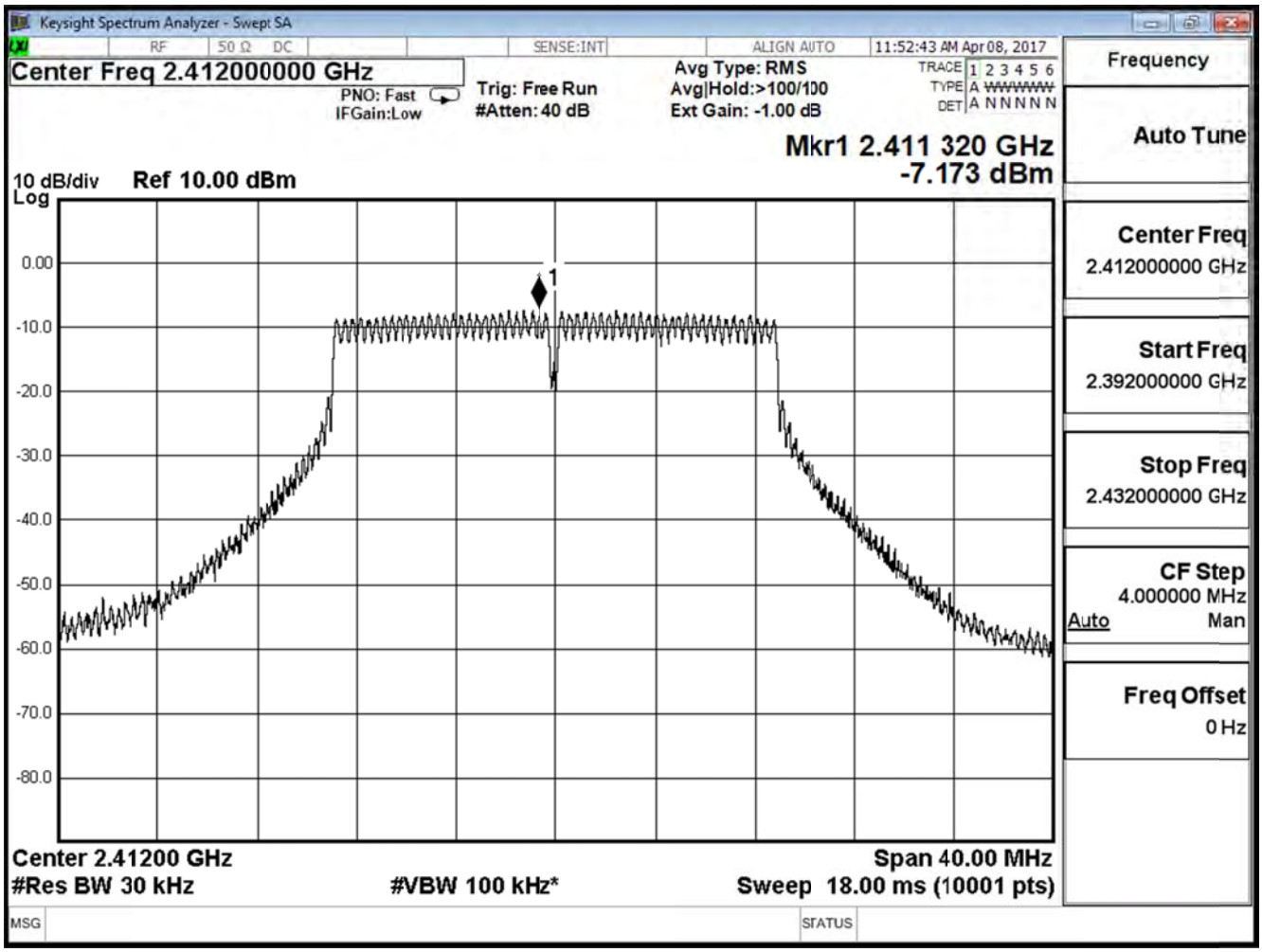
Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:08:38 PM Apr 08, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.462 576 GHz
-7.092 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

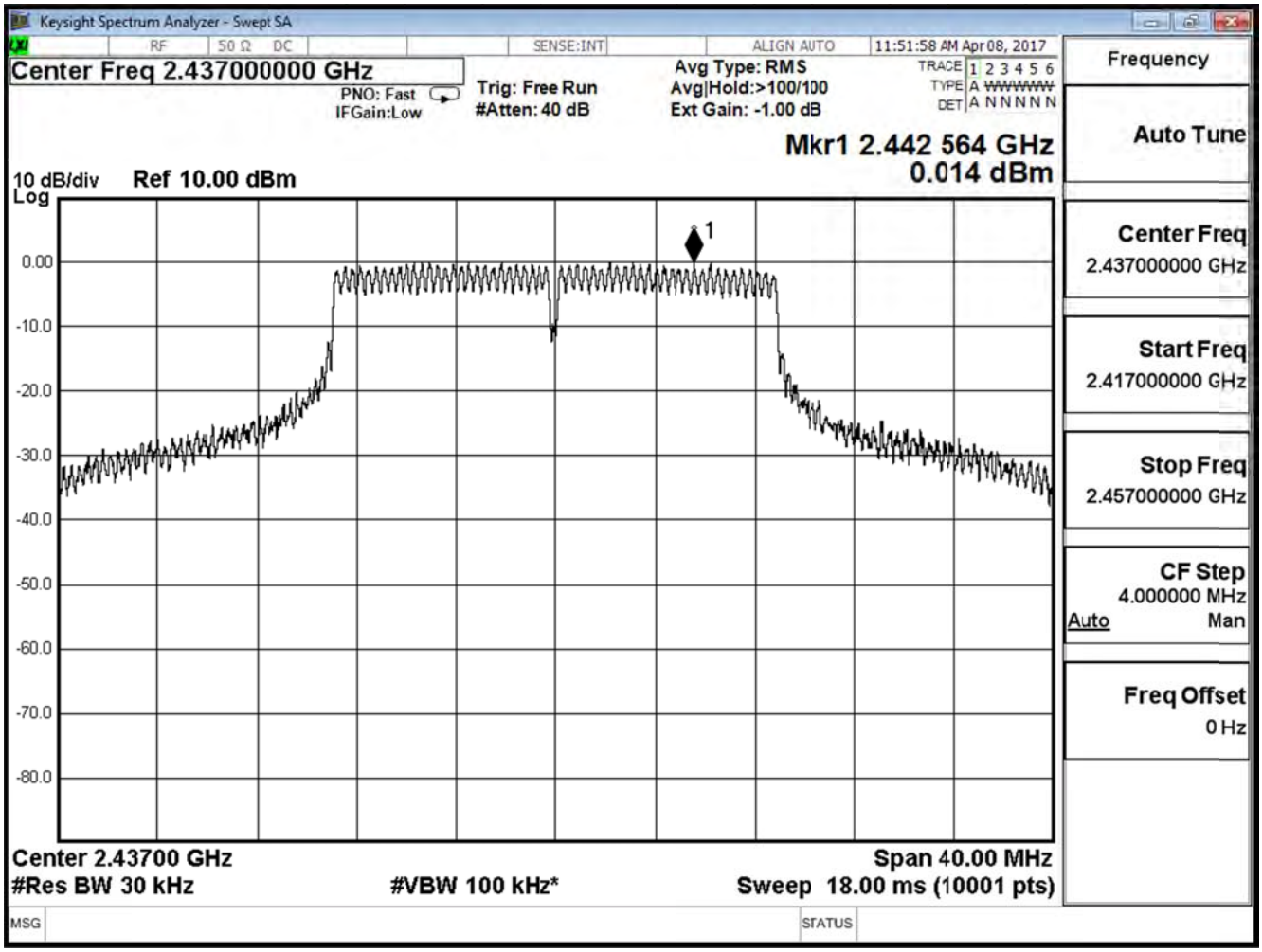
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-7.173	8.00	Pass
6	2437	0.014	8.00	Pass
11	2462	-7.268	8.00	Pass

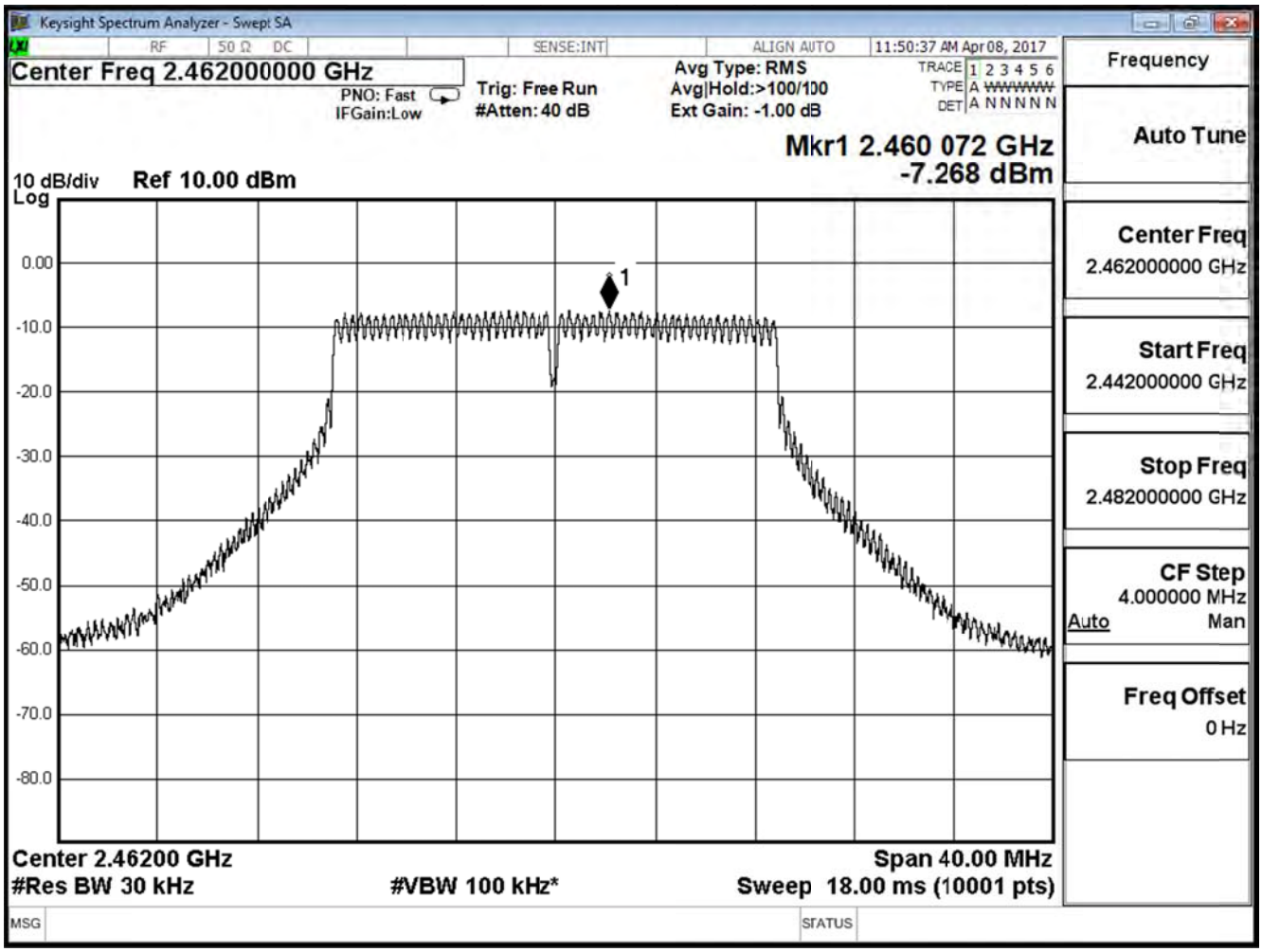
Channel 1



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:51:58 AM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.442 564 GHz
0.014 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:50:37 AM Apr 08, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.460 072 GHz
-7.268 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 18.00 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

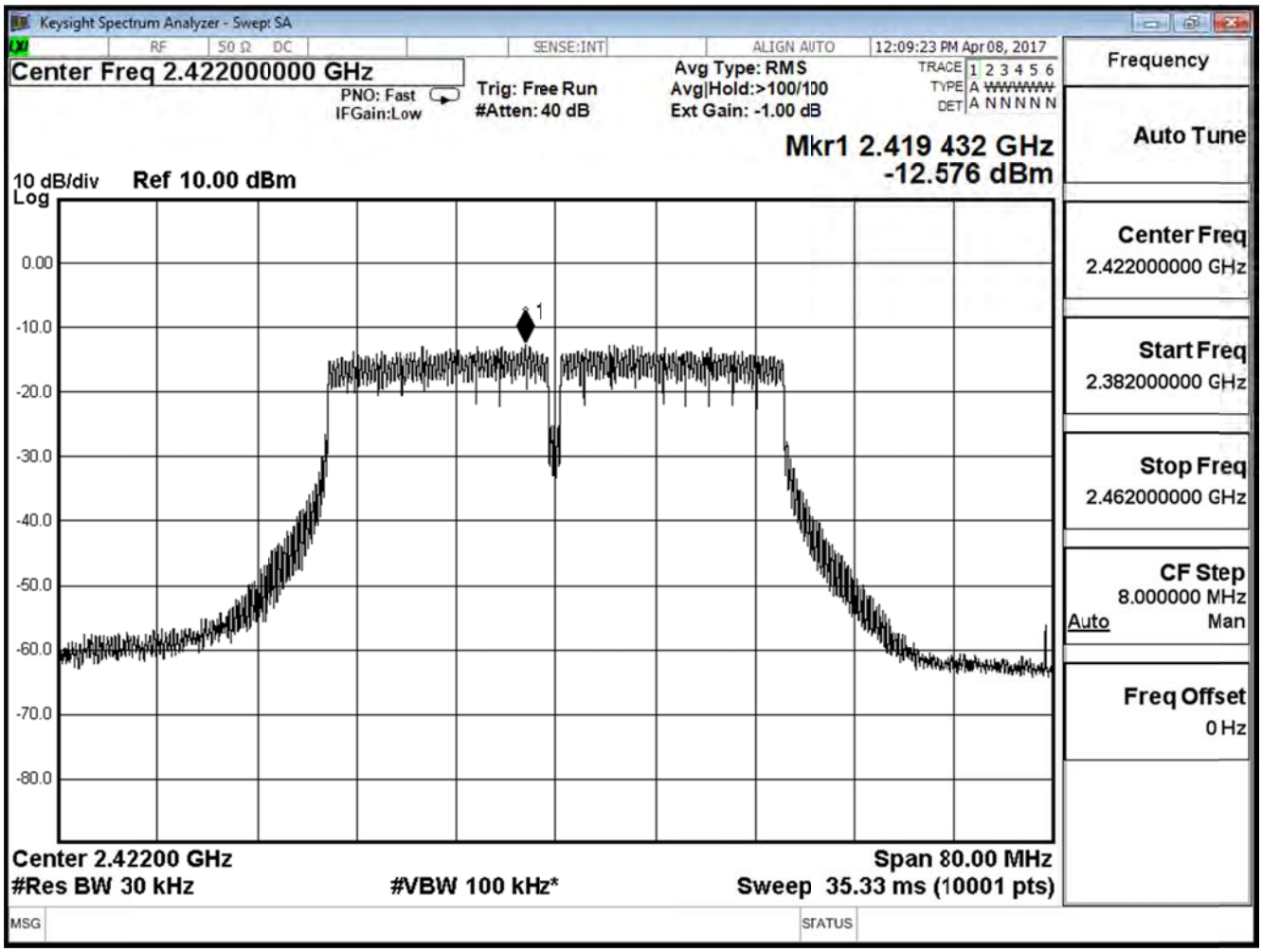
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-4.232	8.00	Pass
6	2437	3.13 1	8.00	Pass
11	2462	-4.169	8.00	Pass

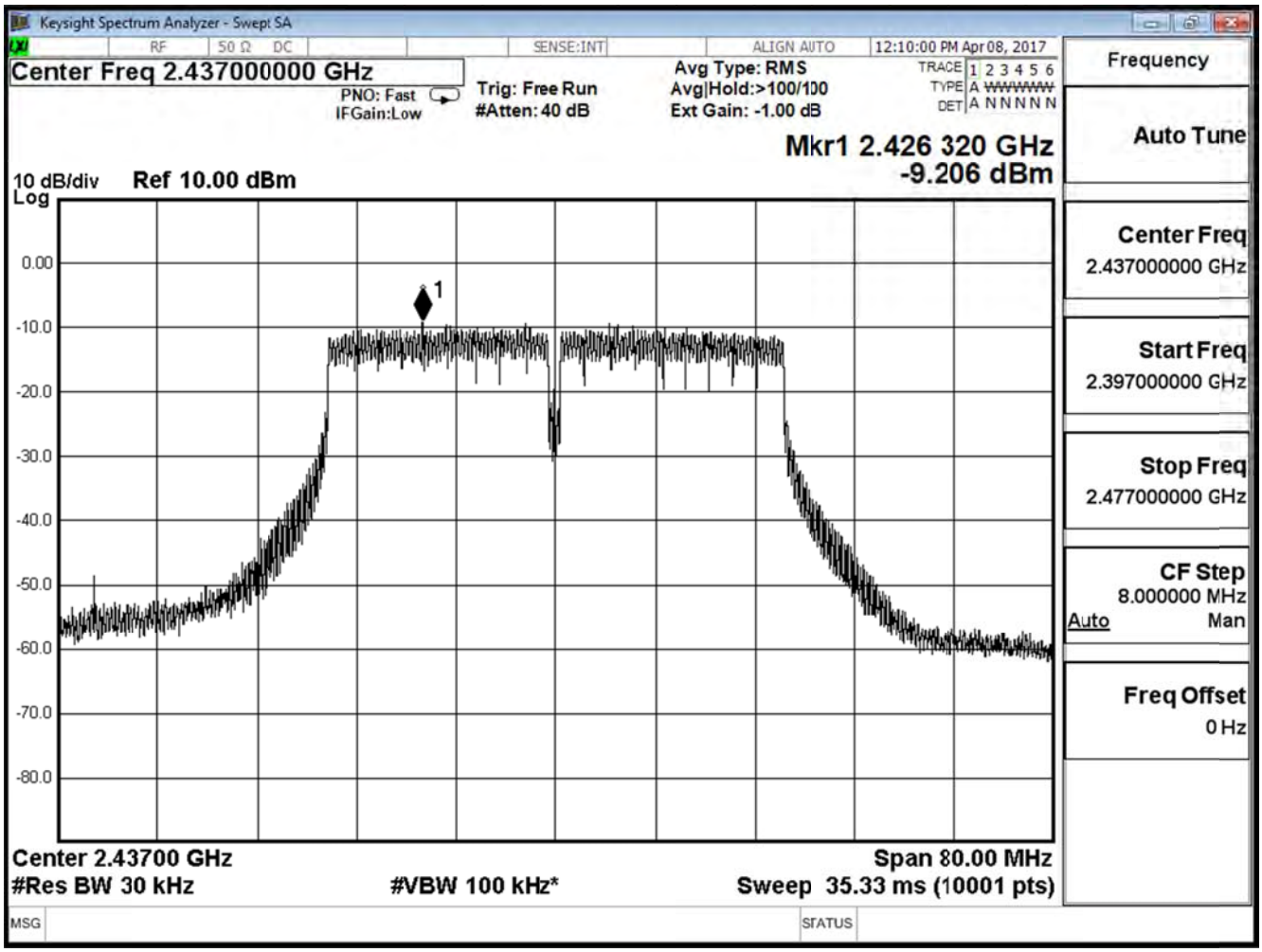
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-12.576	8.00	Pass
6	2437	-9.206	8.00	Pass
9	2452	-12.086	8.00	Pass

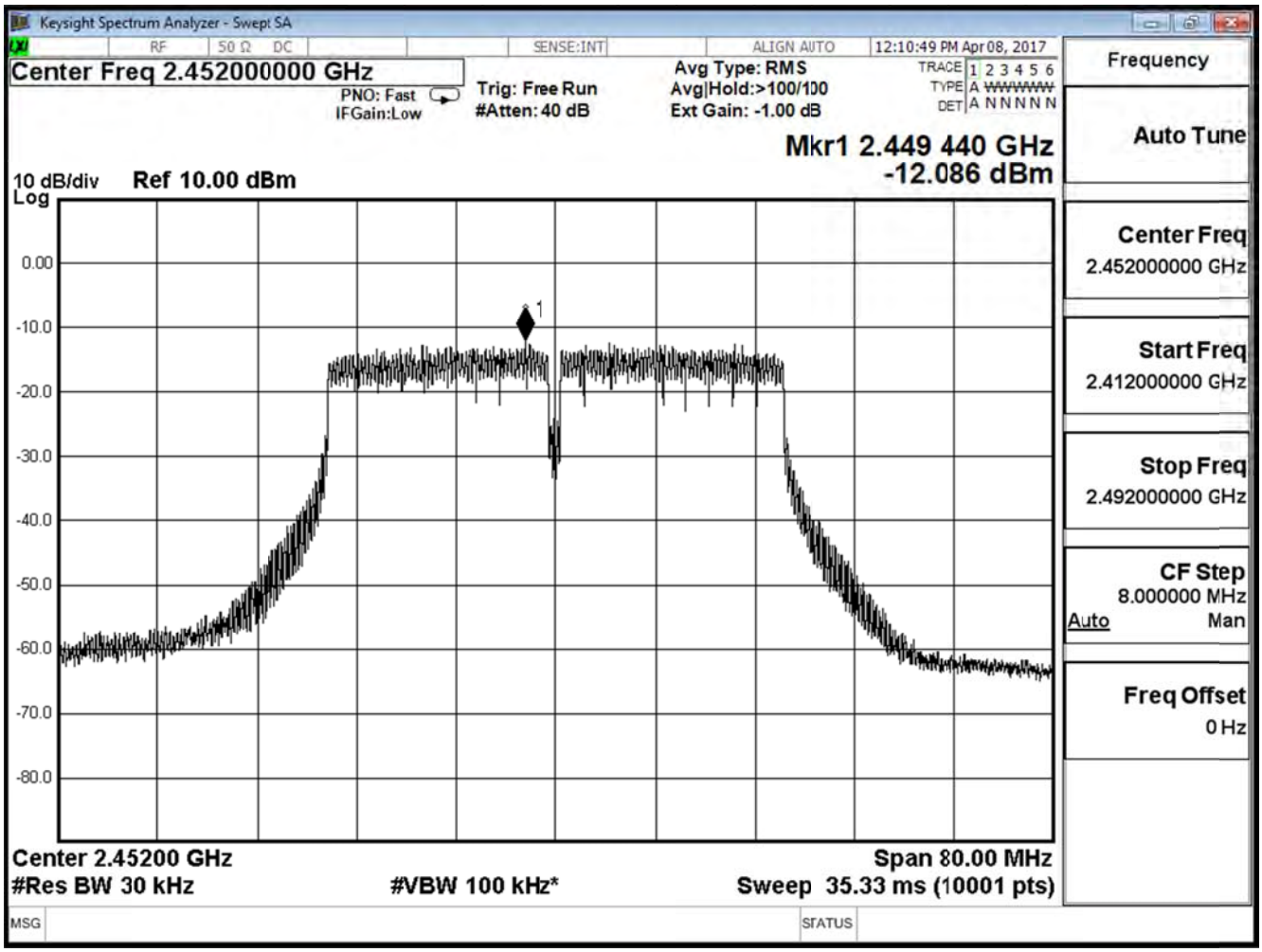
Channel 3



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:10:00 PM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.426 320 GHz
-9.206 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 35.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

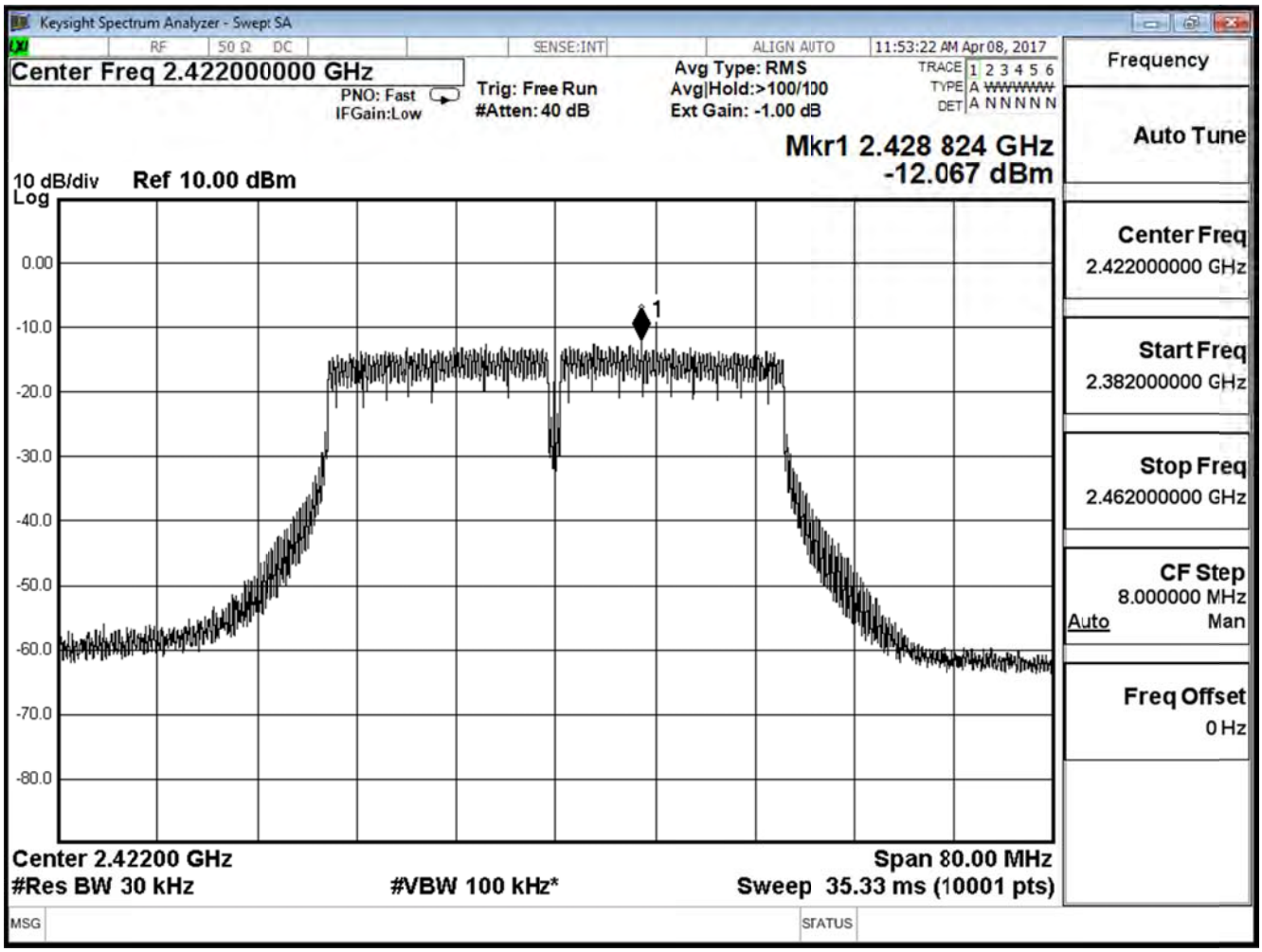
Channel 9


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
12:10:49 PM Apr 08, 2017
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.449 440 GHz
-12.086 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.45200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 35.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

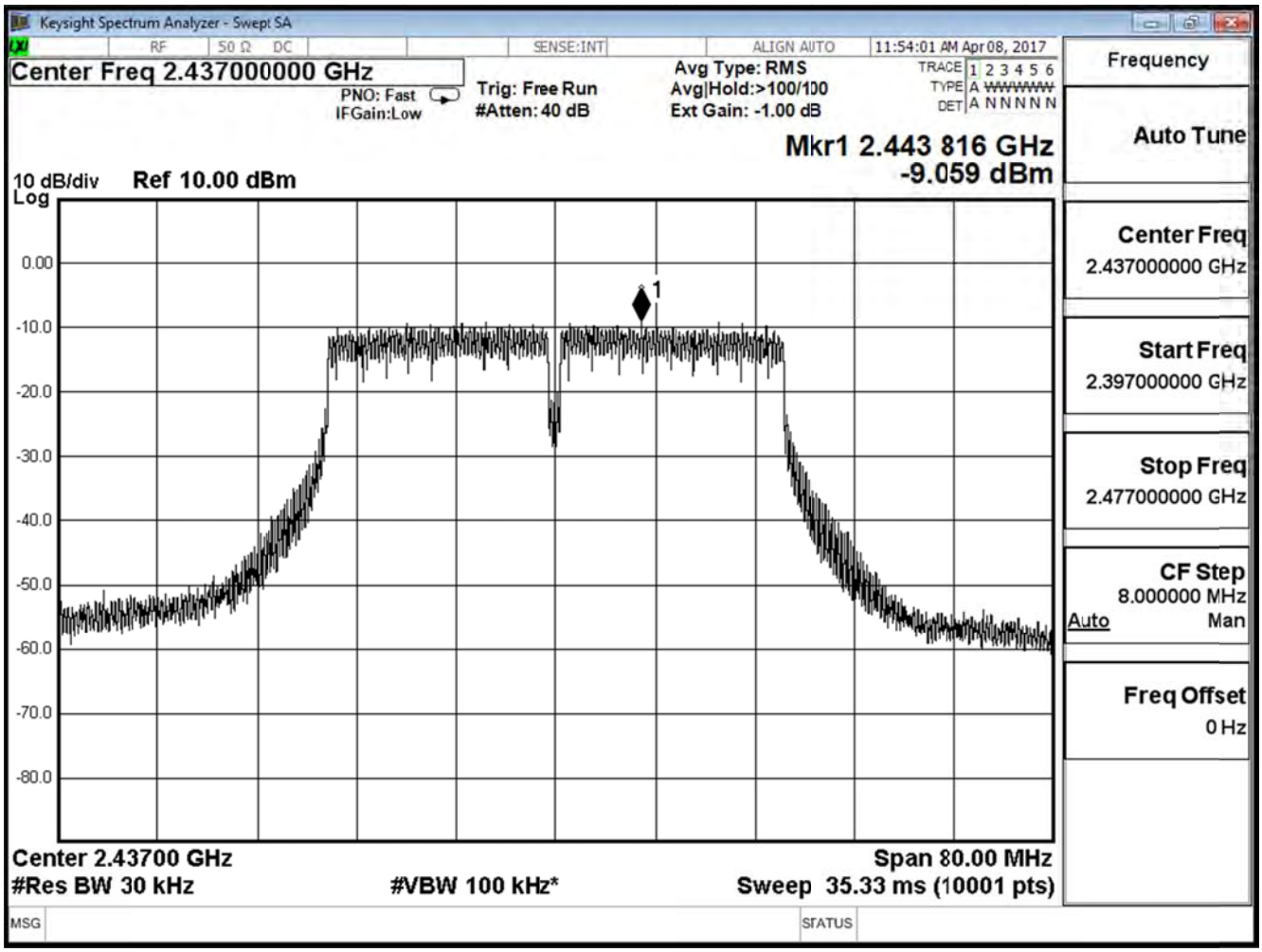
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-12.067	8.00	Pass
6	2437	-9.059	8.00	Pass
9	2452	-12.875	8.00	Pass

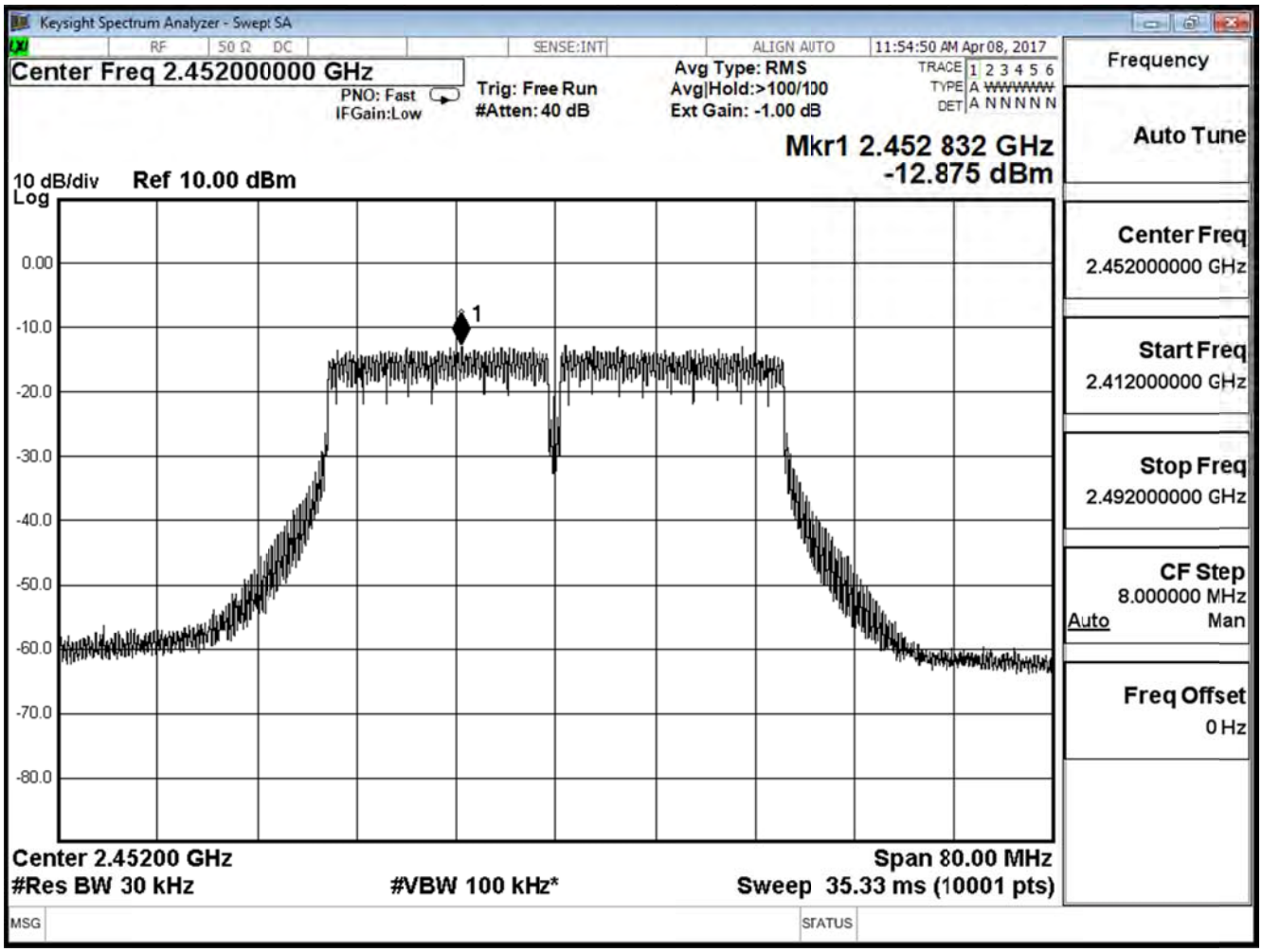
Channel 3



Channel 6


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:54:01 AM Apr 08, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.443 816 GHz
-9.059 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 35.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9


Keysight Spectrum Analyzer - Swept SA
RF
50 Ω DC
SENSE:INT
ALIGN AUTO
11:54:50 AM Apr 08, 2017
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -1.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.452 832 GHz
-12.875 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.45200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 35.33 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

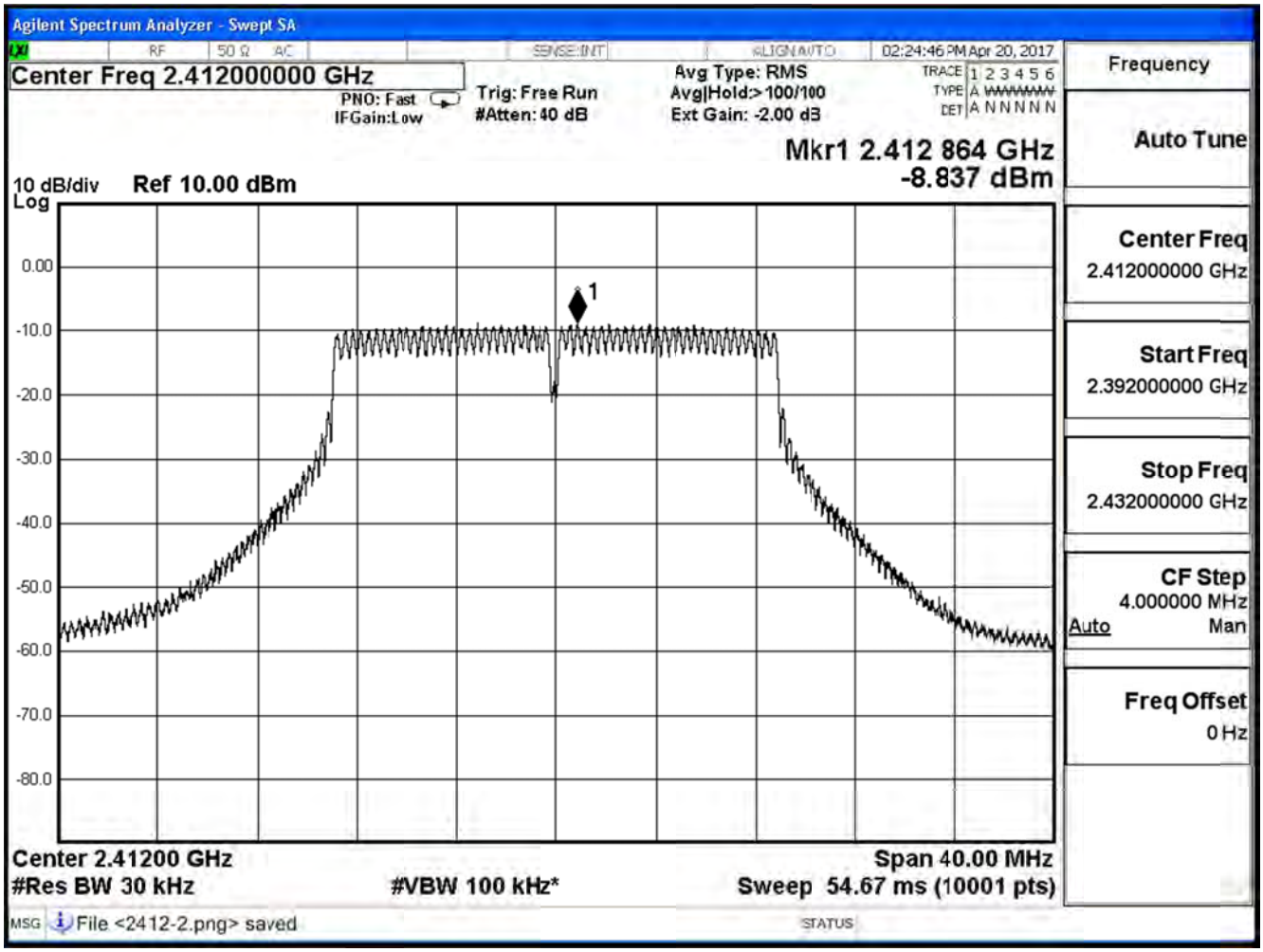
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 1: Tx-AD2055320 Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-9.304	8.00	Pass
6	2437	-6.122	8.00	Pass
9	2452	-9.452	8.00	Pass

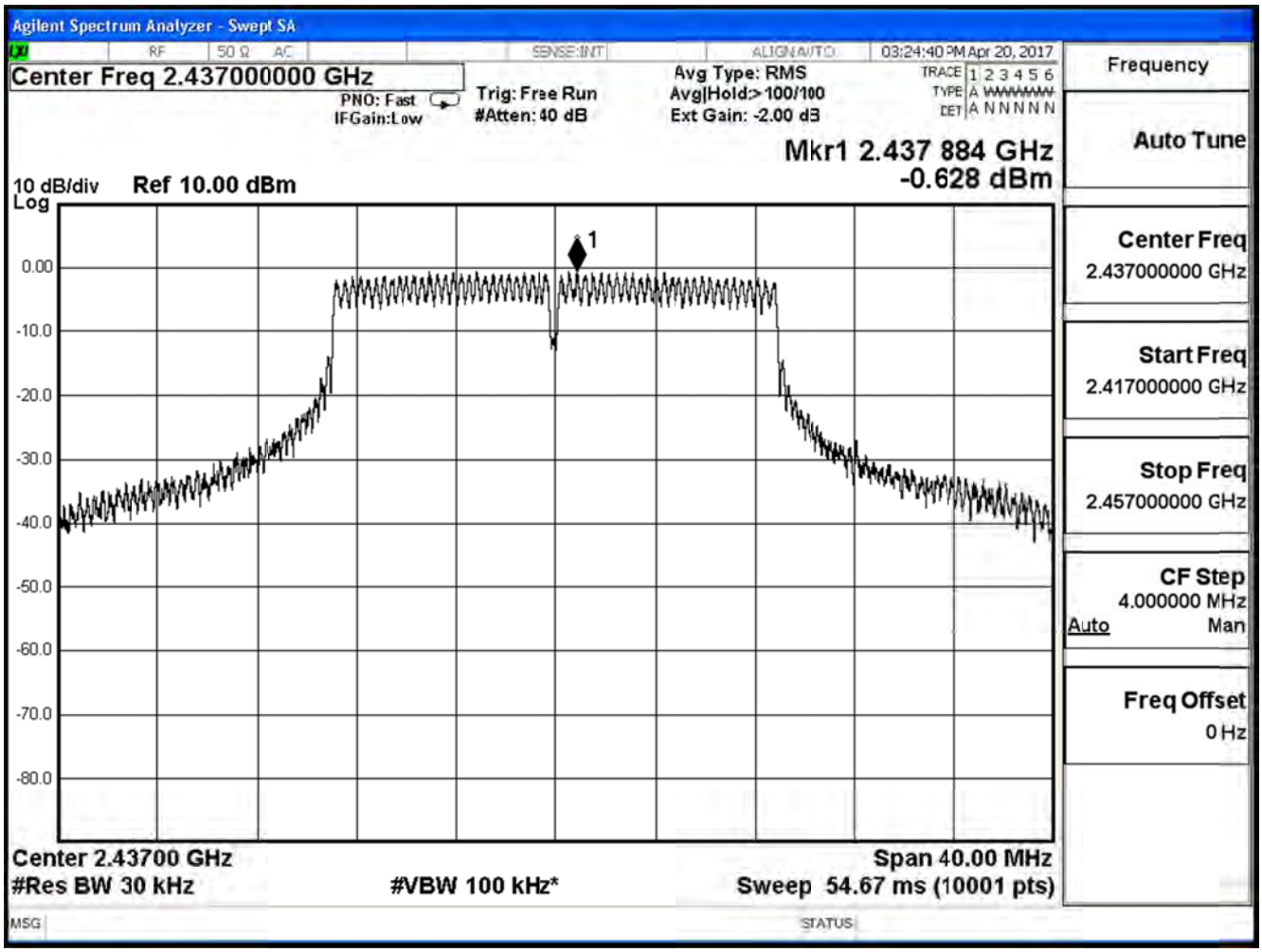
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 2: Tx-AD2055320 BF Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-8.837	8	Pass
6	2437	-0.628	8	Pass
11	2462	-8.287	8	Pass

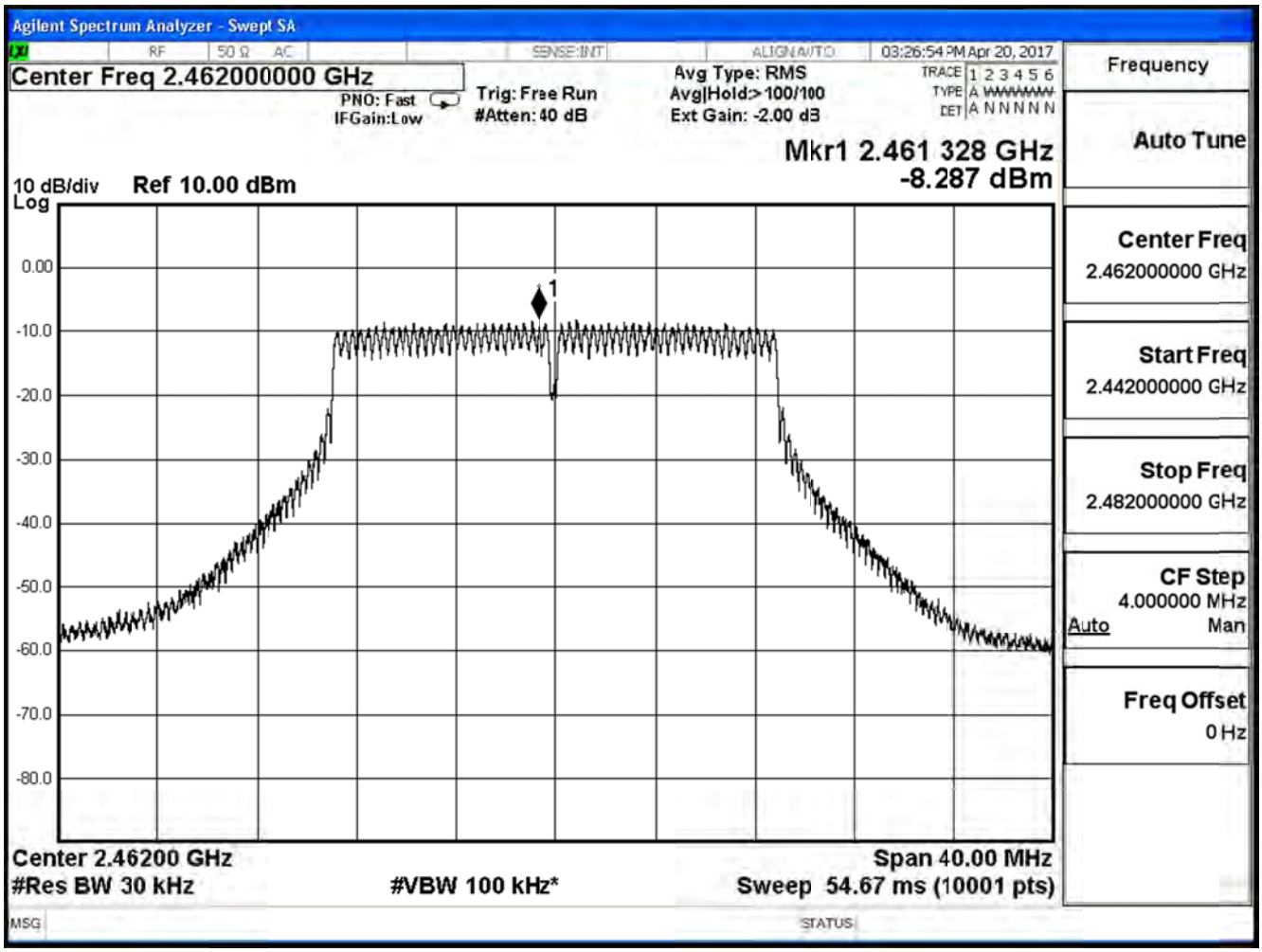
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:24:40 PM Apr 20, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.437 884 GHz
-0.628 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
1
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 54.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

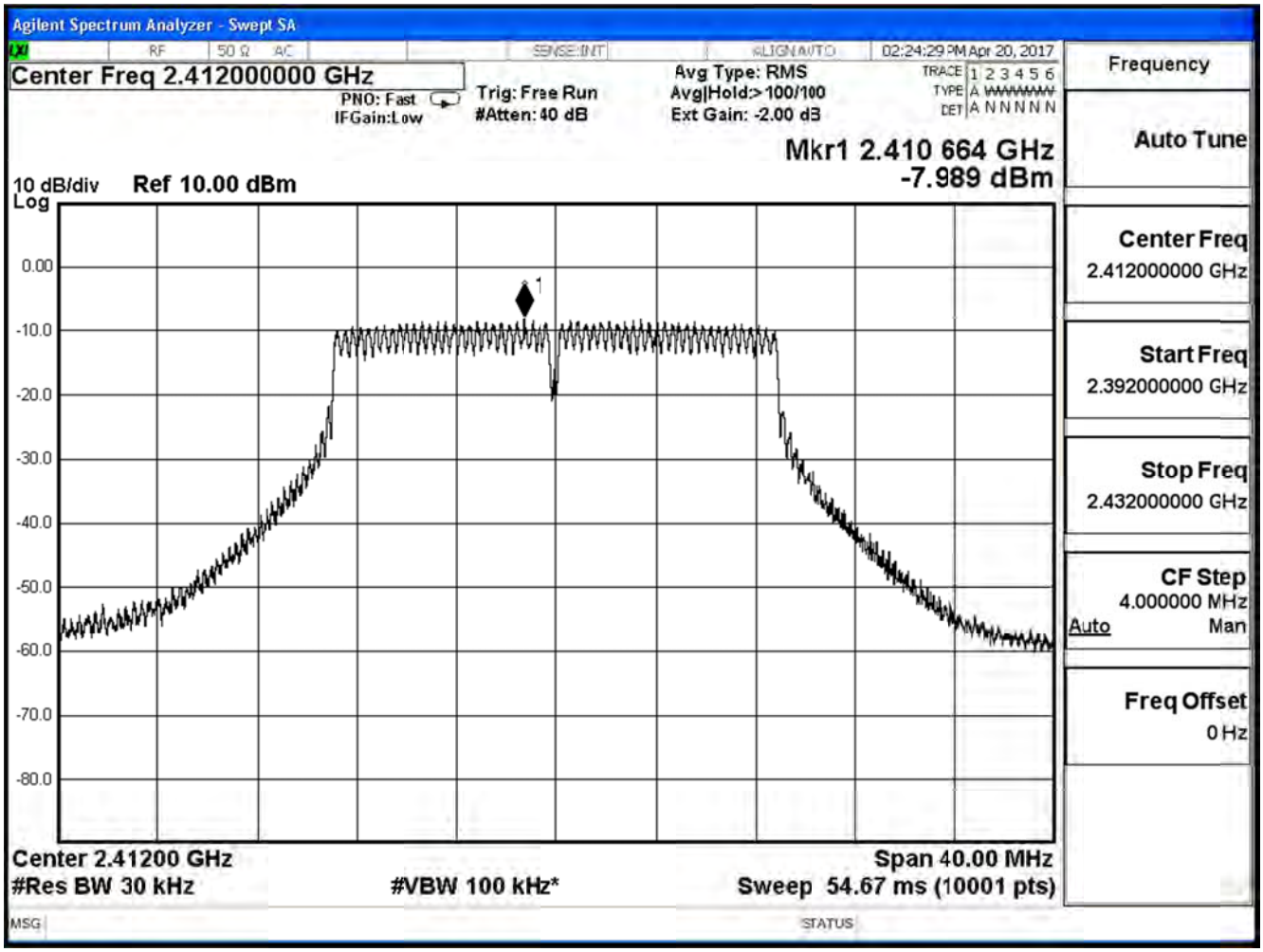
Channel 11


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:26:54 PM Apr 20, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.461 328 GHz
-8.287 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 54.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

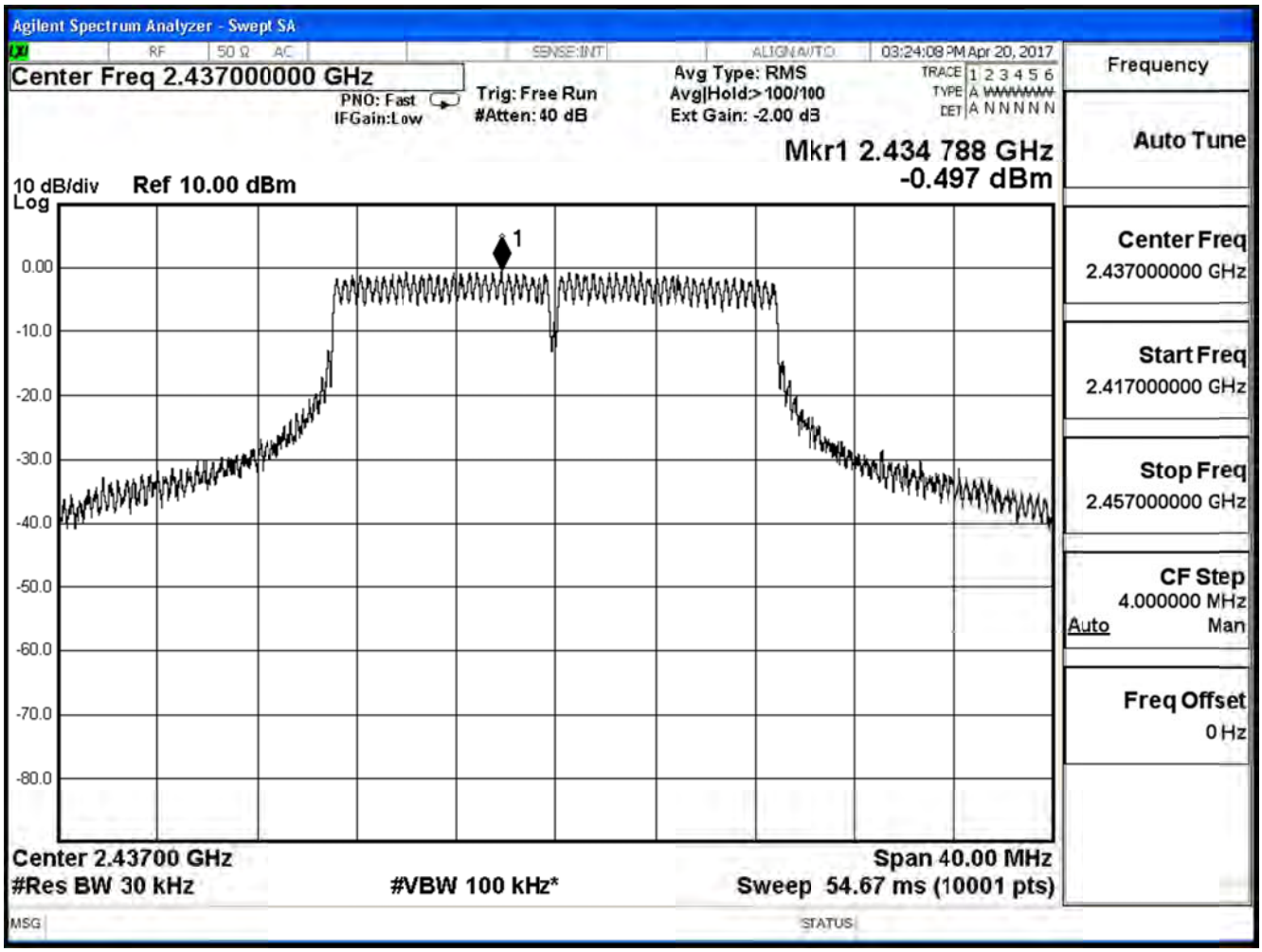
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 2: Tx-AD2055320 BF Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-7.989	8	Pass
6	2437	-0.497	8	Pass
11	2462	-8.319	8	Pass

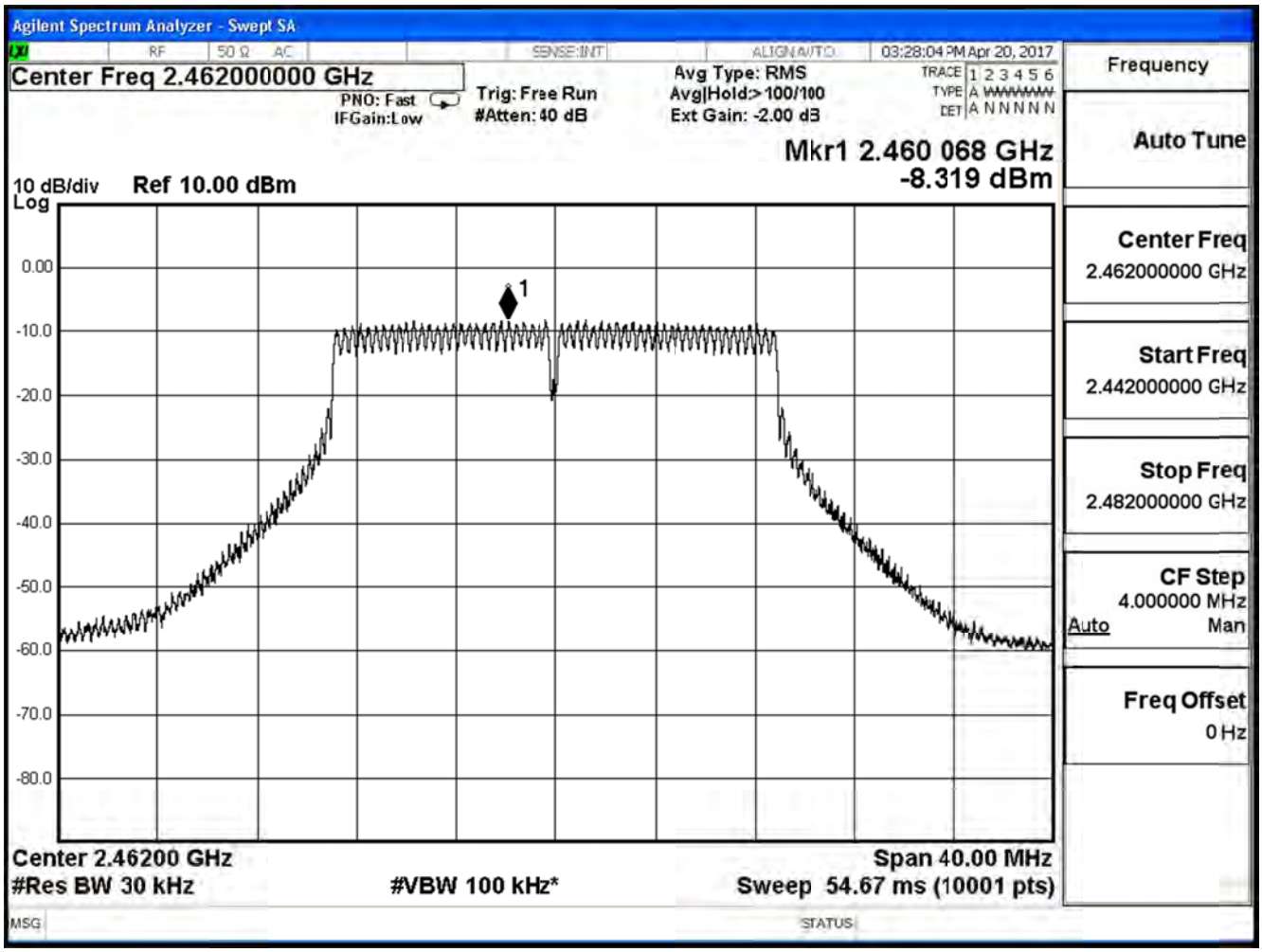
Channel 1



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:24:08 PM Apr 20, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.434 788 GHz
-0.497 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 54.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.417000000 GHz
Stop Freq
2.457000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 11


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:28:04 PM Apr 20, 2017
Center Freq 2.462000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.460 068 GHz
-8.319 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.46200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 40.00 MHz
Sweep 54.67 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.462000000 GHz
Start Freq
2.442000000 GHz
Stop Freq
2.482000000 GHz
CF Step
4.000000 MHz
Auto
Man
Freq Offset
0 Hz

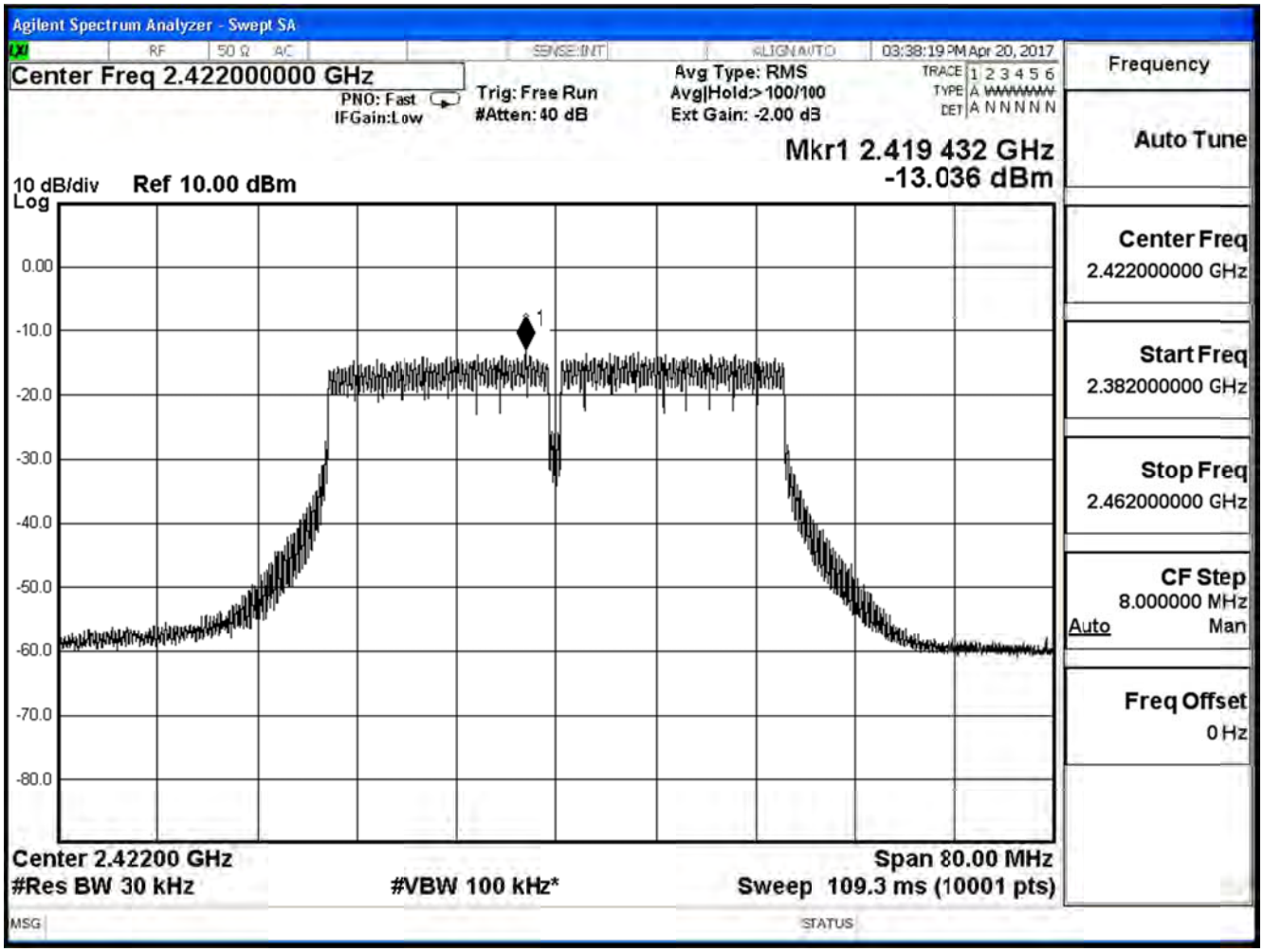
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 2: Tx-AD2055320 BF Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 20MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
1	2412	-5.38	8	Pass
6	2437	2.45	8	Pass
11	2462	-5.29	8	Pass

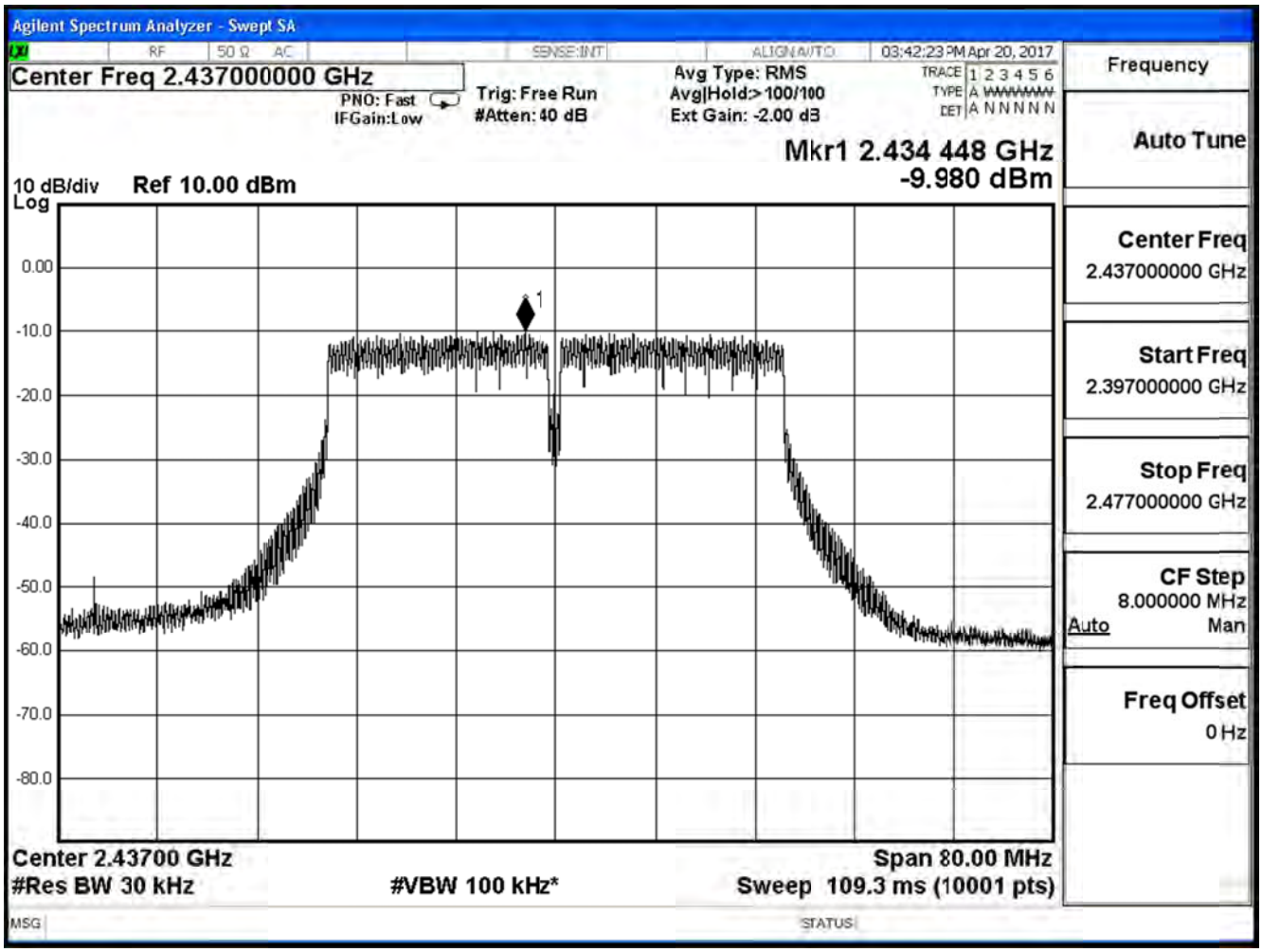
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 2: Tx-AD2055320 BF Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-13.036	8	Pass
6	2437	-9.980	8	Pass
9	2452	-13.087	8	Pass

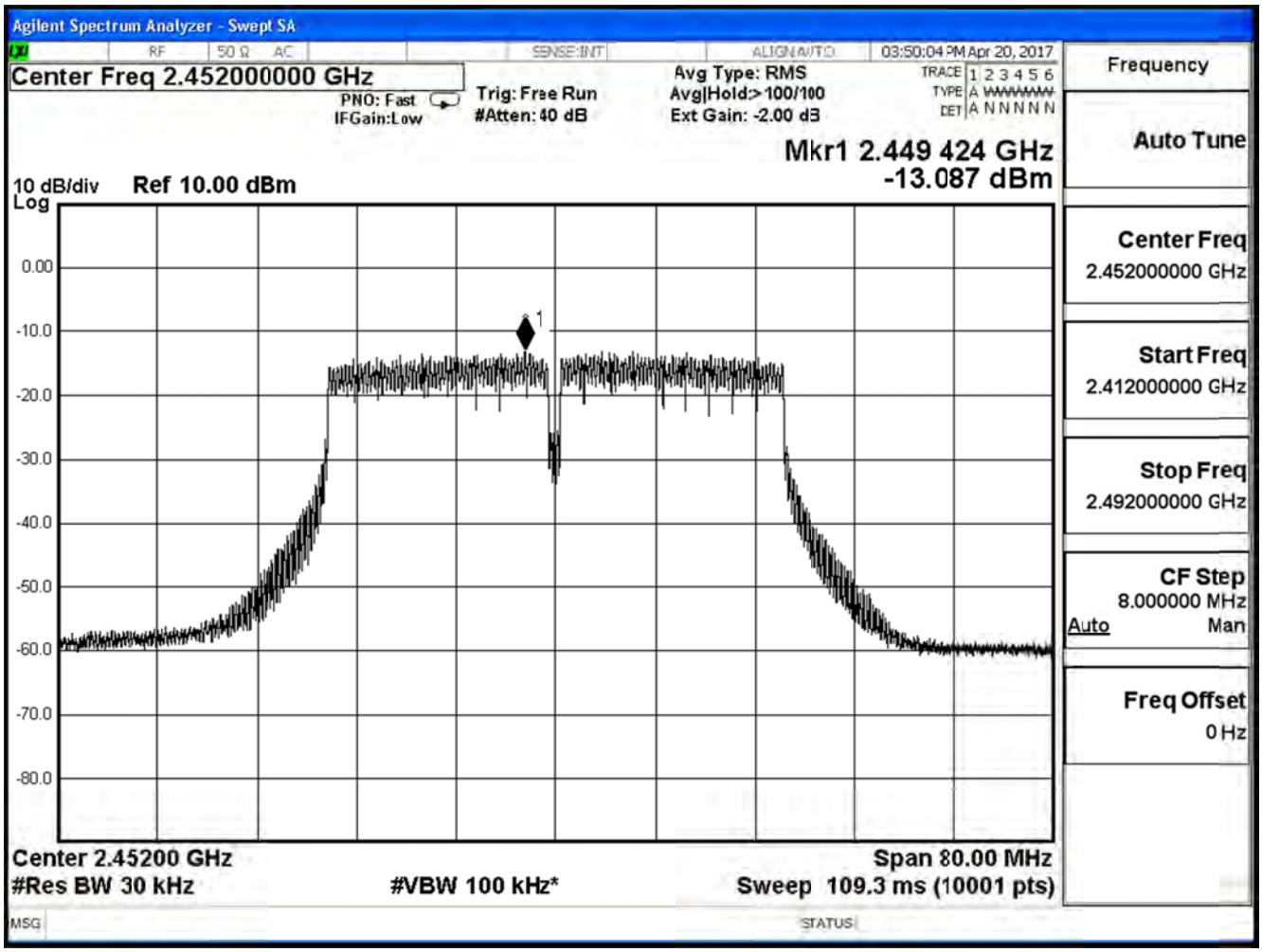
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:42:23 PM Apr 20, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.434 448 GHz
-9.980 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 109.3 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

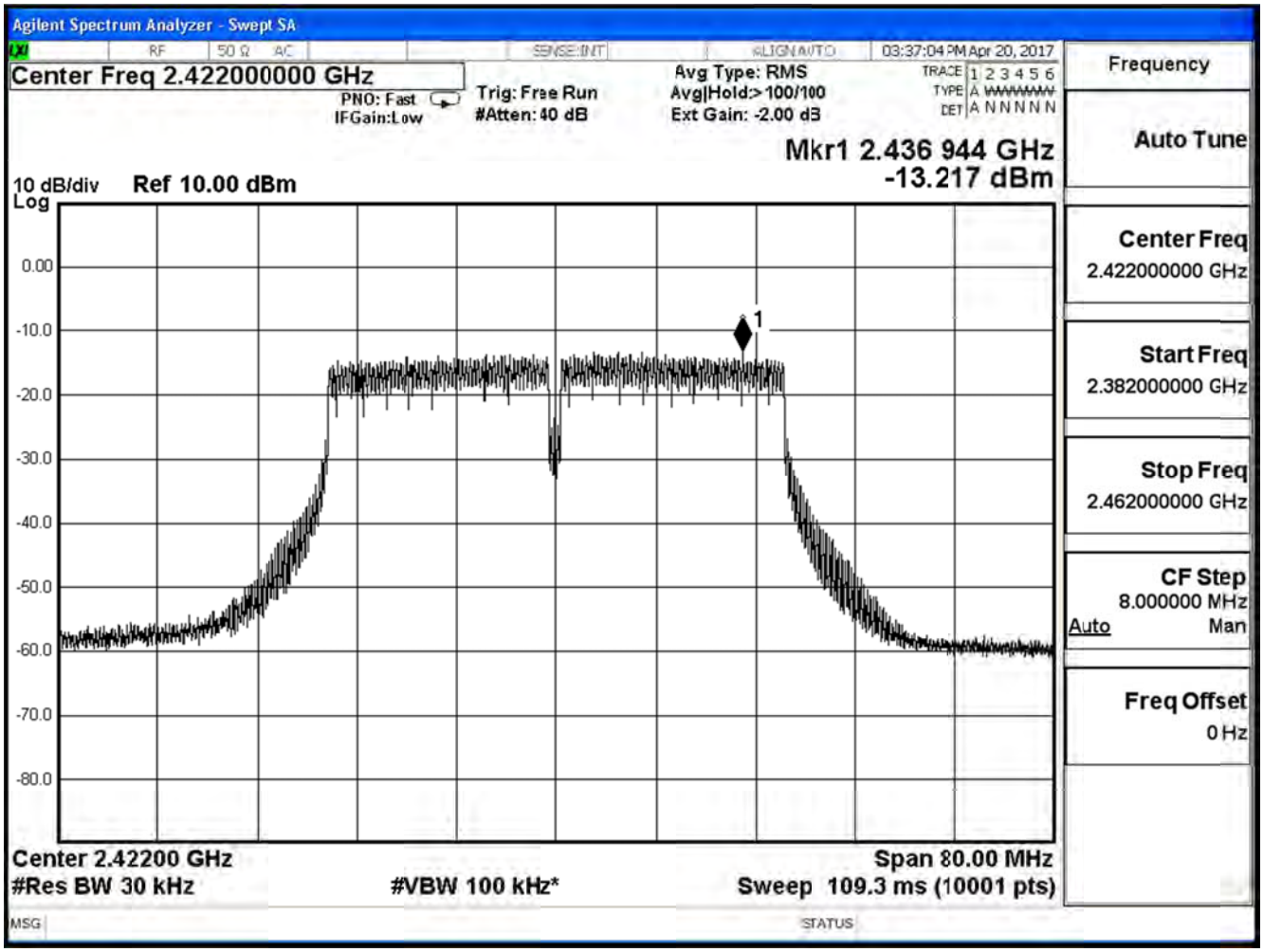
Channel 9


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:50:04 PM Apr 20, 2017
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.449 424 GHz
-13.087 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.45200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 109.3 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

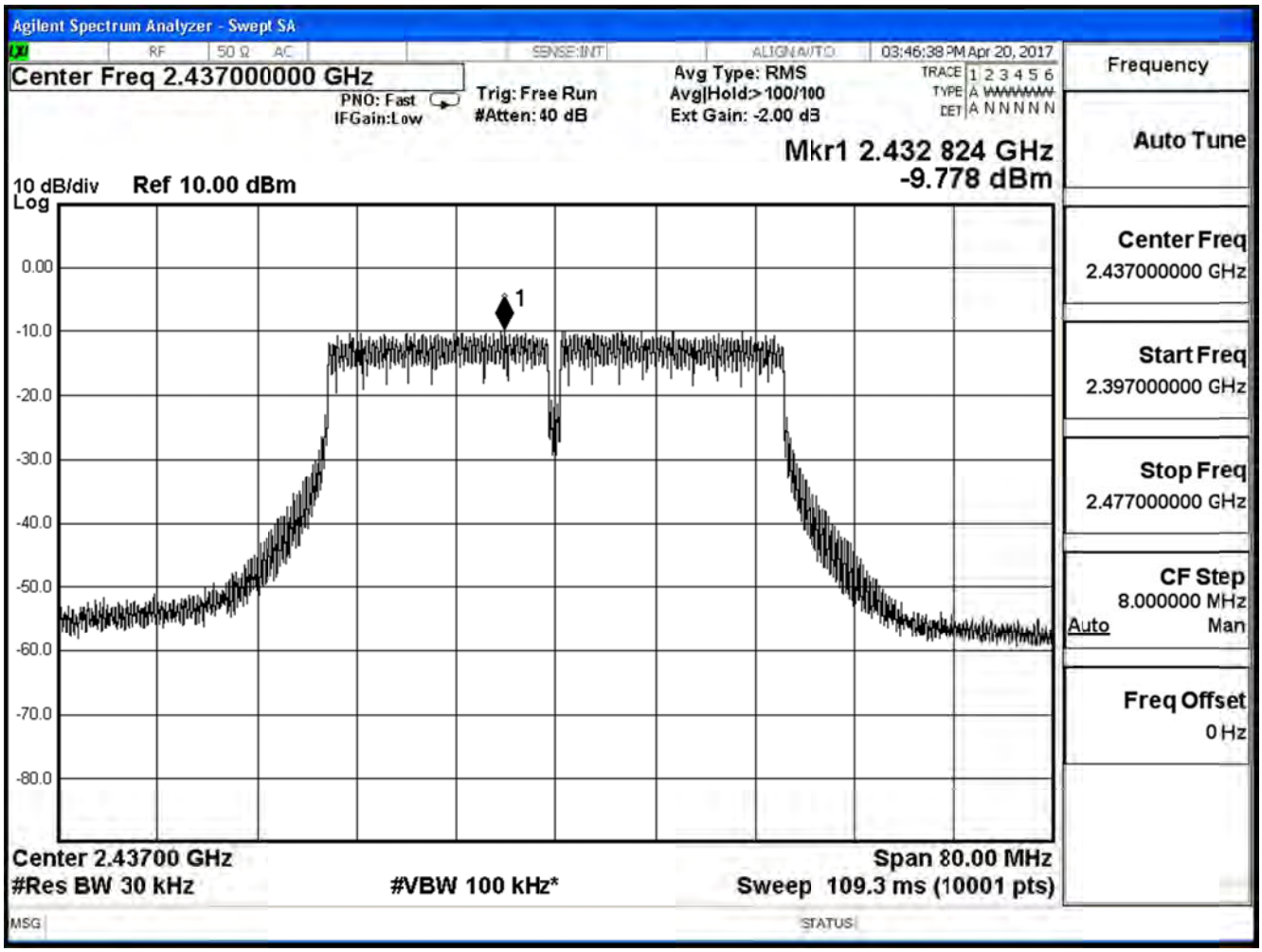
Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 2: Tx-AD2055320 BF Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-13.217	8	Pass
6	2437	-9.778	8	Pass
9	2452	-13.352	8	Pass

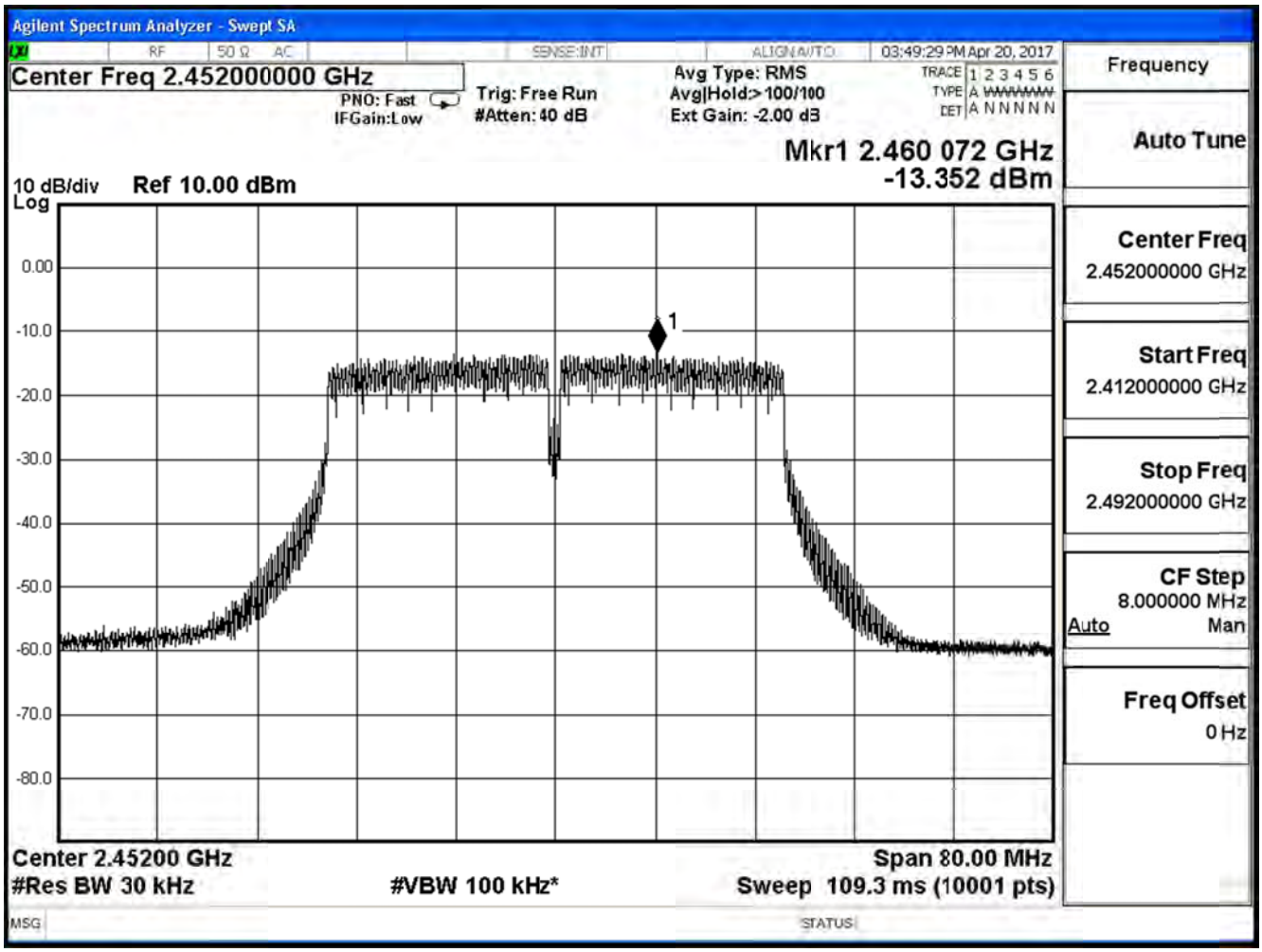
Channel 3



Channel 6


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:46:38 PM Apr 20, 2017
Center Freq 2.437000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.432 824 GHz
-9.778 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
Center 2.43700 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 109.3 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.437000000 GHz
Start Freq
2.397000000 GHz
Stop Freq
2.477000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Channel 9


Agilent Spectrum Analyzer - Swept SA
RF
50 Ω AC
SENSE:INT
ALIGN AUTO
03:49:29 PM Apr 20, 2017
Center Freq 2.452000000 GHz
PNO: Fast
IFGain:Low
Trig: Free Run
#Atten: 40 dB
Avg Type: RMS
Avg|Hold:>100/100
Ext Gain: -2.00 dB
TRACE 1 2 3 4 5 6
TYPE A WWWWW
DET A N N N N N
Mkr1 2.460 072 GHz
-13.352 dBm
10 dB/div
Log
Ref 10.00 dBm
0.00
-10.0
-20.0
-30.0
-40.0
-50.0
-60.0
-70.0
-80.0
1
Center 2.45200 GHz
#Res BW 30 kHz
#VBW 100 kHz*
Span 80.00 MHz
Sweep 109.3 ms (10001 pts)
MSG
STATUS
Frequency
Auto Tune
Center Freq
2.452000000 GHz
Start Freq
2.412000000 GHz
Stop Freq
2.492000000 GHz
CF Step
8.000000 MHz
Auto
Man
Freq Offset
0 Hz

Product	Lyra		
Test Item	Power Density		
Test Mode	Mode 2: Tx-AD2055320 BF Mode		
Date of Test	2017/04/08	Test Site	SR10-H

IEEE802.11n 40MHz (ANT 0+1)				
Channel No.	Frequency (MHz)	Measure Level (dBm/3kHz)	Limit (dBm/3kHz)	Result
3	2422	-10.115	8	Pass
6	2437	-6.868	8	Pass
9	2452	-10.207	8	Pass