

TEST REPORT

DT&C Co., Ltd. 42, Yurim-ro, 154Beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea Tel : 031-321-2664, Fax : 031-321-1664	Report No : DRTFCC1601-0022 Pages:(1) / (225) page	
1. Customer • Name : LG Electronics USA, Inc. • Address : 1000 Sylvan Avenue, Englewood Cliffs, New Jersey 07632 2. Use of Report : FCC & IC Original Grant 3. Product Name (FCCID / IC): Notebook Computer (BEJNT-LG14Z96 / 2703H-LG14Z96) 4. Date of Test : 2015-11-16 ~ 2016-01-14 5. Test Method Used : FCC Part 15 Subpart C 247 RSS-247 Issue 1 (2015-05), RSS-GEN Issue 4 (2014-11) 6. Testing Environment : See appended test report 7. Test Result : ☒ Pass ☐ Fail The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This Test Report cannot be reproduced, except in full.		
Affirmation	Tested by Name : Inhee Bae  (Signature)	Technical Manager Name : GeunKi Son  (Signature)
2016 . 01 . 19 . DT&C Co., Ltd.		

Test Report Version

Test Report No.	Date	Description
DRTFCC1601-0022	Jan. 19, 2016	Initial issue

Table of Contents

1. EUT DESCRIPTION	4
2. INFORMATION ABOUT TESTING	5
2.1 Test mode.....	5
2.2 Auxiliary equipment	5
2.3 Tested environment	5
2.4 EMI suppression Device(s) / Modifications	5
3. SUMMARY OF TESTS	6
4. TEST METHODOLOGY	7
4.1 EUT configuration	7
4.2 EUT exercise	7
4.3 General test procedures	7
4.4 Description of test modes	7
5. INSTRUMENT CALIBRATION	8
6. FACILITIES AND ACCREDITATIONS	8
6.1 Facilities	8
6.2 Equipment	8
7. ANTENNA REQUIREMENTS.....	8
8. TEST RESULT	9
8.1 6dB bandwidth	9
8.2 Maximum peak conducted output power.....	34
8.3 Maximum power spectral density	38
8.4 Out of band emissions at the band edge / conducted spurious emissions.....	63
8.5 Radiated spurious emissions.....	160
8.6 Power-line conducted emissions	169
8.7 Occupied Bandwidth	172
9. LIST OF TEST EQUIPMENT	197
APPENDIX I	198
APPENDIX II	200

1. EUT DESCRIPTION

FCC Equipment Class	Digital Transmission System(DTS)
Product	Notebook Computer
Model Name	LG14Z96
Add Model Name	14Z960, 14ZD960
Serial Number	Identical prototype
Hardware version	1.0
Software version	1.0
Power Supply	AC 120 V
Frequency Range	▪ 802.11b/g/n(20 MHz) : 2412 MHz ~ 2462 MHz ▪ 802.11n(40 MHz) : 2422 MHz ~ 2452 MHz
Modulation Type	▪ 802.11b: CCK, DSSS ▪ 802.11g/n: OFDM
Transmissions category	Completely uncorrelated signal
Antenna Specification	Antenna type: Internal Antenna Antenna gain ▪ 2.4 GHz Band: ANT 1 : 3.620 dBi & ANT 2 : 2.840 dBi Antenna configuration ▪ 802.11b/g: Single Transmitting (ANT 1 or ANT 2) ▪ 802.11n(MCS 0 ~ 7): Single Transmitting (ANT 1 or ANT 2) ▪ 802.11n(MCS 8 ~ 15): Multiple Transmitting (ANT 1 and ANT 2)

2. INFORMATION ABOUT TESTING

2.1 Test mode

Test mode	Worst case data rate	Tested Frequency(MHz)		
		Lowest	Middle	Highest
TM 1	802.11b 1 Mbps	2412	2437	2462
TM 2	802.11g 6 Mbps	2412	2437	2462
TM 3	802.11n(HT20) MCS 0	2412	2437	2462
TM 4	802.11n(HT40) MCS 0	2422	2437	2452
TM 5	802.11n(HT20) MCS 8	2412	2437	2462
TM 6	802.11n(HT40) MCS 8	2422	2437	2452

Note 1: The worst case data rate is determined as above test mode according to the power measurements. And radiated spurious emission was performed at the worst case data rate.

2.2 Auxiliary equipment

Equipment	Model No.	Serial No.	Manufacturer	Note
AC Adaptor	ADS-40SG-19-2	-	LG Electronics Inc.	-
-	-	-	-	-

2.3 Tested environment

Temperature	: 21 ~ 24 °C
Relative humidity content	: 41 ~ 43 % R.H..
Details of power supply	: AC 120 V

2.4 EMI suppression Device(s) / Modifications

EMI suppression device(s) added and/or modifications made during testing
→ None

3. SUMMARY OF TESTS

FCC Part Section(s)	Parameter	Limit	Test Condition	Status Note 1
15.247(a)	6 dB Bandwidth	> 500 kHz	Conducted	C
15.247(b)	Transmitter Output Power	< 1 Watt		C
15.247(d)	Out of Band Emissions / Band Edge	20 dBc in any 100 kHz BW		C
15.247(e)	Transmitter Power Spectral Density	< 8 dBm / 3 kHz		C
-	RSS-Gen [6.6]	Occupied Bandwidth (99 %)		C
15.205 15.209	General Field Strength Limits (Restricted Bands and Radiated Emission Limits)	FCC 15.209 limits	Radiated	C Note 3
15.207	AC Conducted Emissions	FCC 15.207 limits	AC Line Conducted	C
15.203	Antenna Requirements	FCC 15.203 limits	-	C

Note 1: **C**=Comply **NC**=Not Comply **NT**=Not Tested **NA**=Not Applicable

Note 2: This test item was performed in each axis and the worst case data was reported.

4. TEST METHODOLOGY

Generally the tests were performed according to the KDB558074 v03r03. And ANSI C63.10-2013 was used to reference appropriate EUT setup and maximizing procedures of radiated spurious emission and AC line conducted emission testing

4.1 EUT configuration

The EUT configuration for testing is installed on RF field strength measurement to meet the Commissions requirement and operating in a manner that intends to maximize its emission characteristics in a continuous normal application.

4.2 EUT exercise

The EUT was operated in the test mode to fix the Tx frequency that was for the purpose of the measurements. According to its specifications, the EUT must comply with the requirements of the Section 15.207, 15.209 and 15.247 under the FCC Rules Part 15 Subpart C.

4.3 General test procedures

Conducted Emissions

The power-line conducted emission test procedure is not described on the KDB 558074. So this test was fulfilled with the requirements in Section 6.2 of ANSI C63.10.

The EUT is placed on the wooden table, which is 0.8 m above ground plane and the conducted emissions from the EUT measured in the frequency range between 0.15 MHz and 30 MHz using CISPR Quasi-peak and Average detector

Radiated Emissions

Basically the radiated tests were performed with KDB 558074. But some requirements and procedures like test site requirements, EUT setup and maximizing procedure were fulfilled with the requirements in Section 5 and 6 of the ANSI C63.10 as stated on section 12.1 of the KDB 558074.

The EUT is placed on a non-conductive table. For emission measurements at or below 1 GHz, the table height is 80 cm. For emission measurements above 1 GHz, the table height is 1.5 m. The turntable shall rotate 360 degrees to determine the position of maximum emission level. EUT is set 3 m away from the receiving antenna, which varied from 1 m to 4 m to find out the highest emission. And also, each emission was to be maximized by changing the polarization of receiving antenna both horizontal and vertical. In order to find out the highest emission, the relative positions of the EUT were rotated through three orthogonal axes.

4.4 Description of test modes

The EUT has been tested with all modes of operating conditions to determine the worst case emission characteristics. A test program is used to control the EUT for staying in continuous transmitting mode.

5. INSTRUMENT CALIBRATION

The measuring equipment, which was utilized in performing the tests documented herein, has been calibrated in accordance with the manufacturer's recommendations for utilizing calibration equipments, which is traceable to recognized national standards.

6. FACILITIES AND ACCREDITATIONS

6.1 Facilities

The open area test site(OATS) or semi anechoic chamber and conducted measurement facility used to collect the radiated and conducted test data are located at the 42, Yurim-ro, 154beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Korea 449-935. The site is constructed in conformance with the requirements.

- Semi anechoic chamber registration Number: 165783(FCC) & 5740A-3(IC)

6.2 Equipment

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, loop, horn. Spectrum analyzers with pre-selectors and peak, quasi-peak detectors are used to perform radiated measurements. Conducted emissions are measured with Line Impedance Stabilization Networks and EMI Test Receivers. Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

7. ANTENNA REQUIREMENTS

7.1 According to FCC 47 CFR §15.203

An intentional radiator antenna shall be designed to ensure that no antenna other than that furnished by the responsible party can be used with the device. The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section.

The EUT used two non standard antenna connectors.

Therefore this module complies with the requirement of §15.203.

7.2 Directional antenna gain(worst case):

Bands	ANT 1 [dBi]	ANT 2 [dBi]	Directional Gain [dBi]
2.4 GHz	3.620	2.840	3.247 ^{Note 2.}

Note 1. Directional gain(correlated signal with unequal antenna gain and equal transmit power)

$$10 \log [(10^{G_1/20} + 10^{G_2/20} + \dots + 10^{G_N/20})^2 / N^{ANT}] \text{ dBi}$$

Note 2. Directional gain(completely uncorrelated signal with unequal antenna gain and equal transmit power)

$$10 \log [(10^{G_1/10} + 10^{G_2/10} + \dots + 10^{G_N/10}) / N^{ANT}] \text{ dBi}$$

Note 3. Directional gain(spatial multiplexing)

$$G_{ANT\ MAX} + 10 \log (N_{ANT} / N_{SS}) \text{ dBi}$$

8. TEST RESULT

8.1 6dB bandwidth

■ Test Requirements and limit, §15.247(a)

The bandwidth at 6 dB down from the highest in-band spectral density is measured with a spectrum analyzer connected to the receive antenna while the EUT is operating in transmission mode at the appropriate frequencies.

The minimum permissible 6 dB bandwidth is 500 kHz.

■ Test Configuration

Refer to the APPENDIX I.

■ Test Procedure:

The transmitter output is connected to the Spectrum Analyzer and used following test procedure of **KDB558074**

1. Set resolution bandwidth (RBW) = 100 kHz.
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
(RBW : 100 kHz / VBW : 300 kHz)
3. Detector = **Peak**.
4. Trace mode = **Max hold**.
5. Sweep = **Auto couple**.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

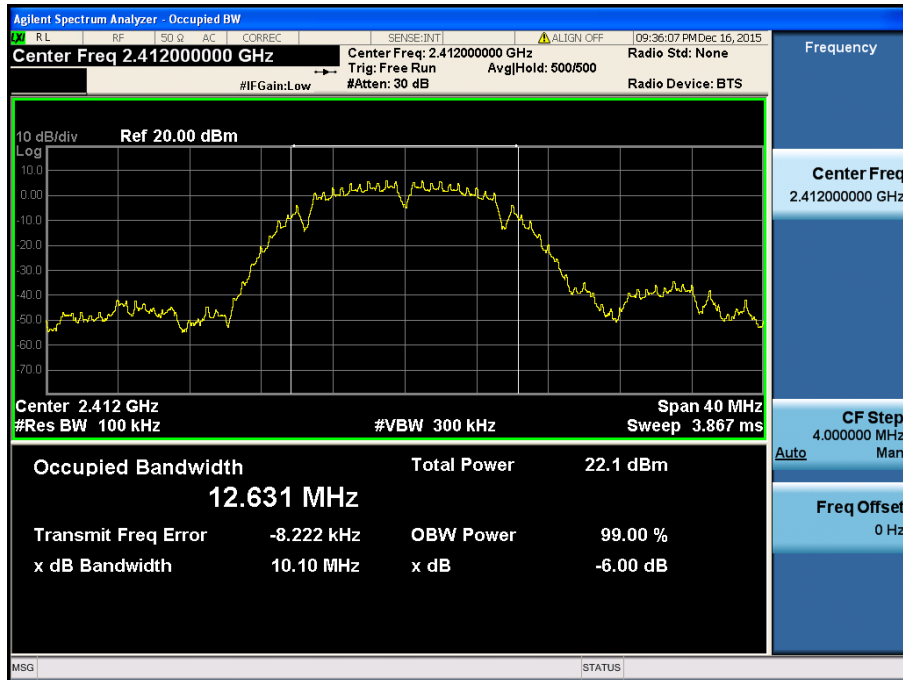
■ Test Results: **Comply**

Test Mode	Frequency	Test Results[MHz]	
		ANT 1	ANT 2
TM 1	Lowest	10.100	10.090
	Middle	10.090	10.090
	Highest	10.090	10.090
TM 2	Lowest	15.320	15.160
	Middle	15.100	15.140
	Highest	15.140	15.170
TM 3	Lowest	15.160	15.130
	Middle	15.100	15.150
	Highest	15.140	15.100
TM 4	Lowest	35.200	35.180
	Middle	35.180	35.160
	Highest	35.170	35.170
TM 5	Lowest	15.170	15.120
	Middle	15.170	15.690
	Highest	15.150	15.740
TM 6	Lowest	35.170	35.200
	Middle	35.190	35.120
	Highest	35.200	35.200

RESULT PLOTS

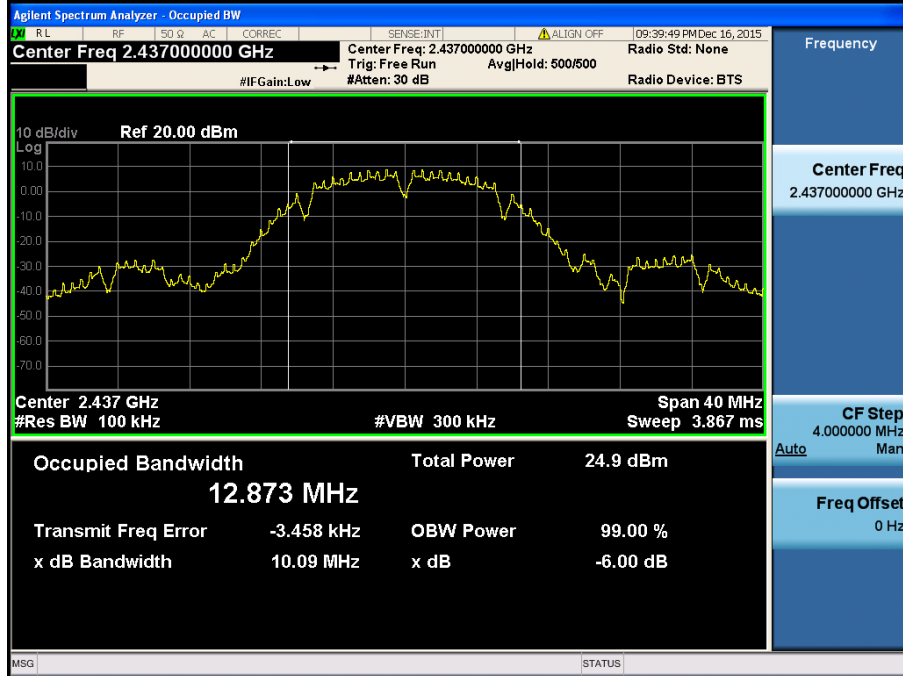
6 dB Bandwidth

TM 1 & ANT 1 & Lowest



6 dB Bandwidth

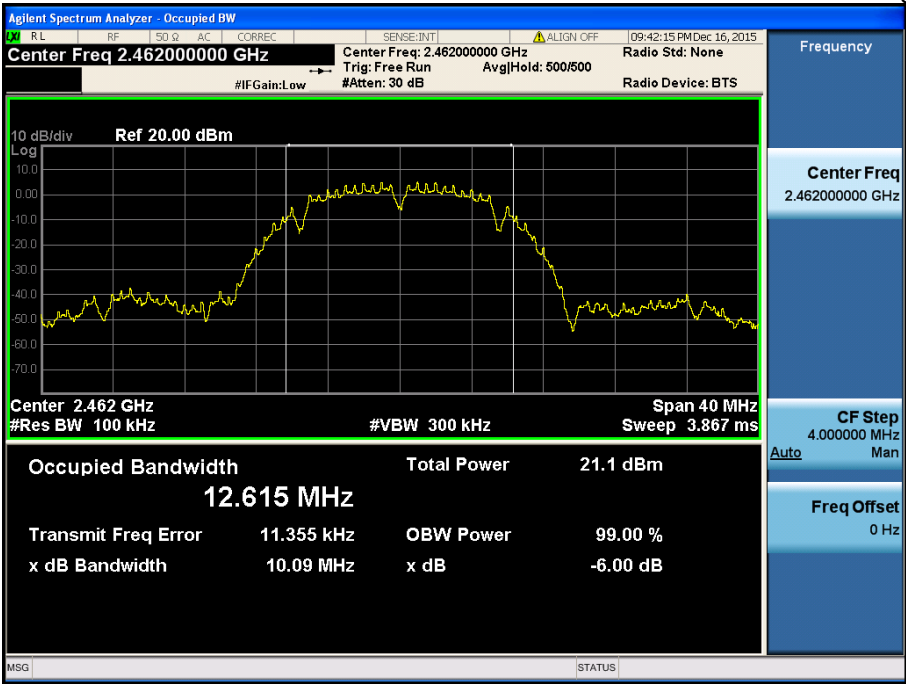
TM 1 & ANT 1 & Middle





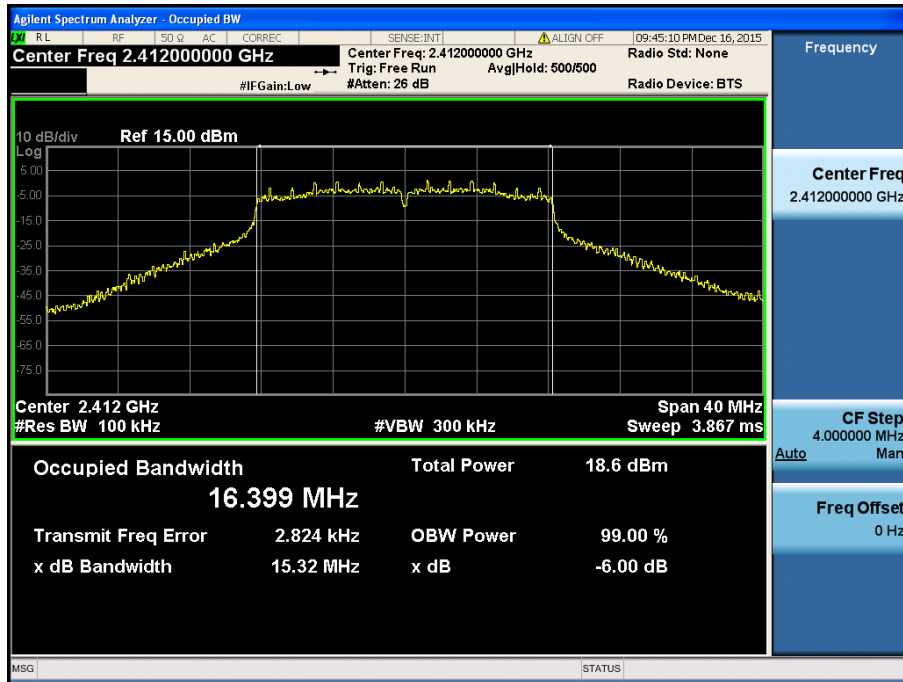
6 dB Bandwidth

TM 1 & ANT 1 & Highest



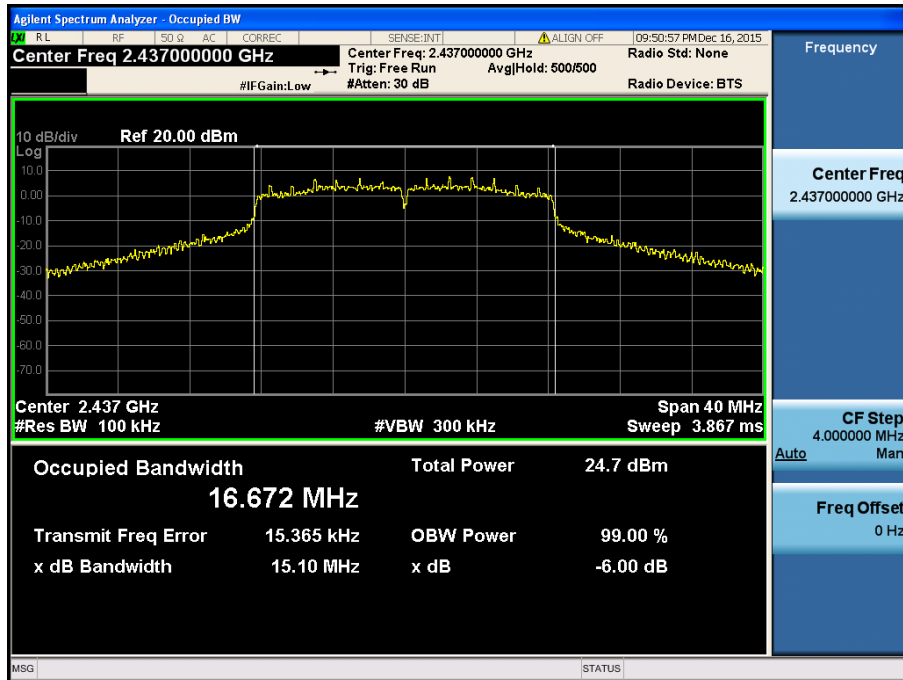
6 dB Bandwidth

TM 2 & ANT 1 & Lowest



6 dB Bandwidth

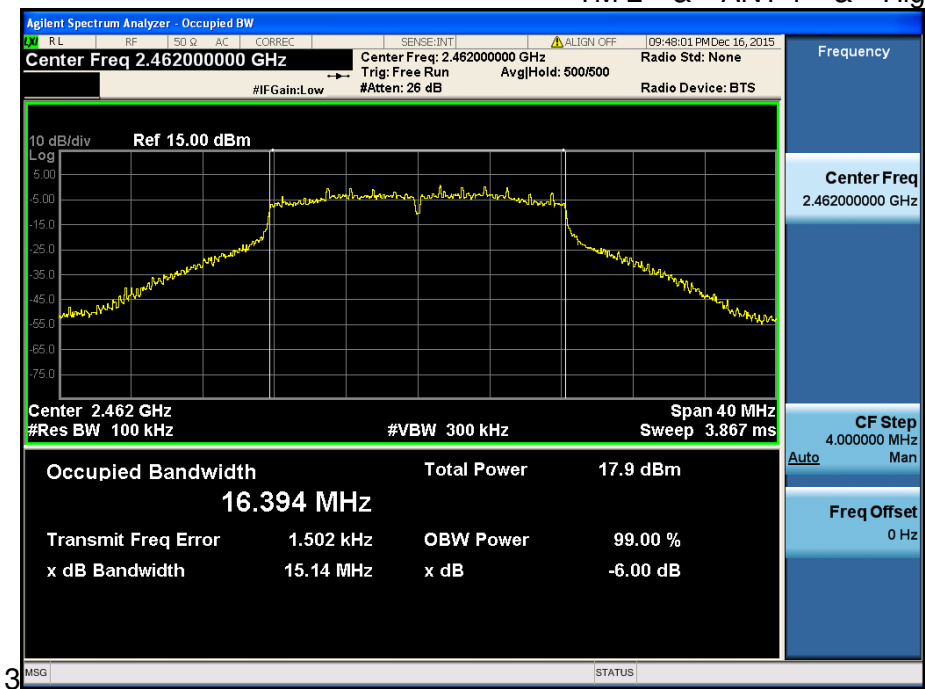
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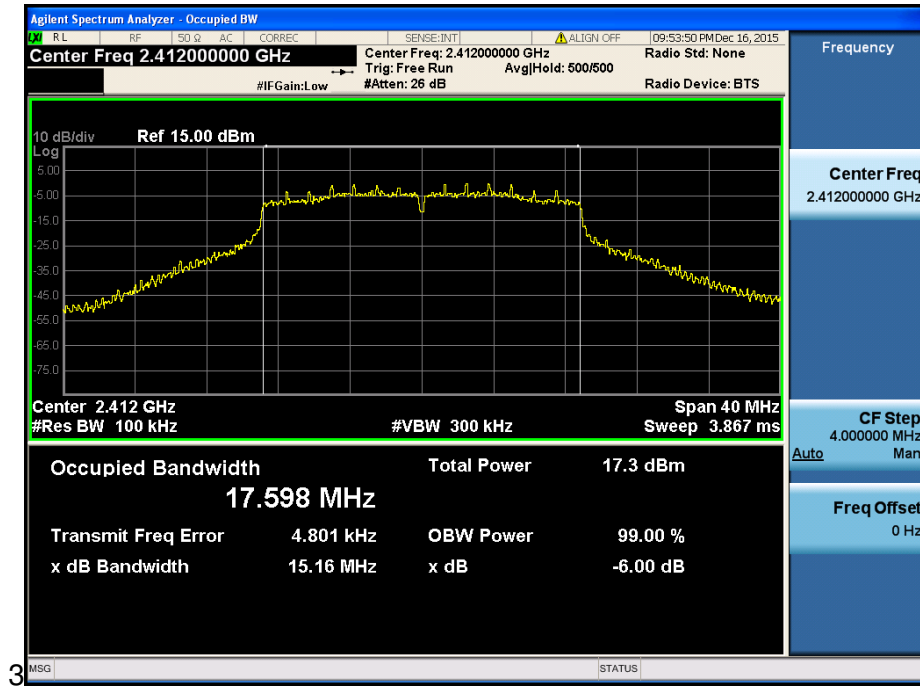
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TM 2 & ANT 1 & Highest



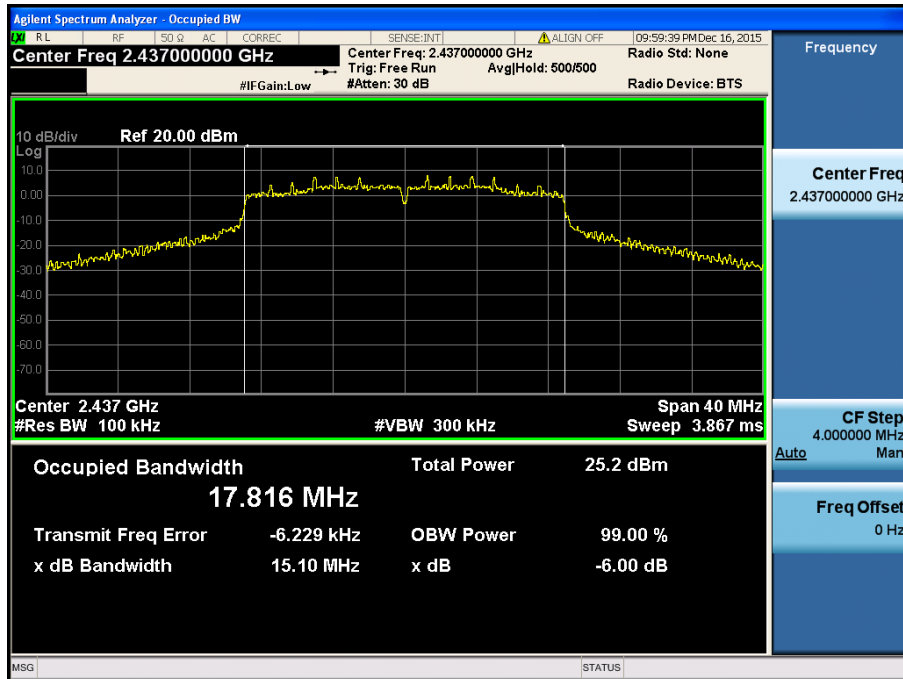
6 dB Bandwidth

TM 3 & ANT 1 & Lowest



6 dB Bandwidth

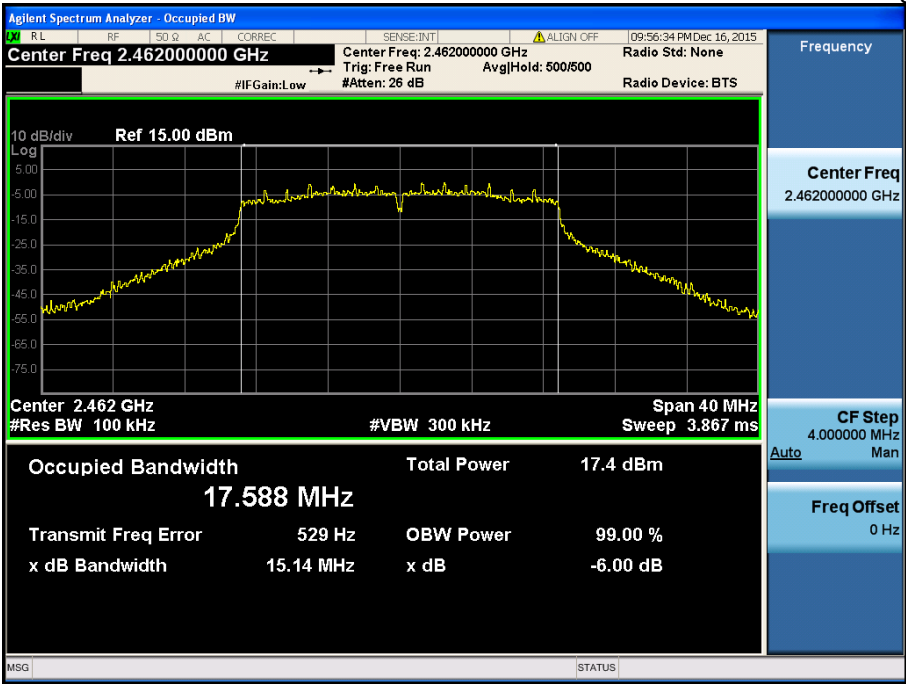
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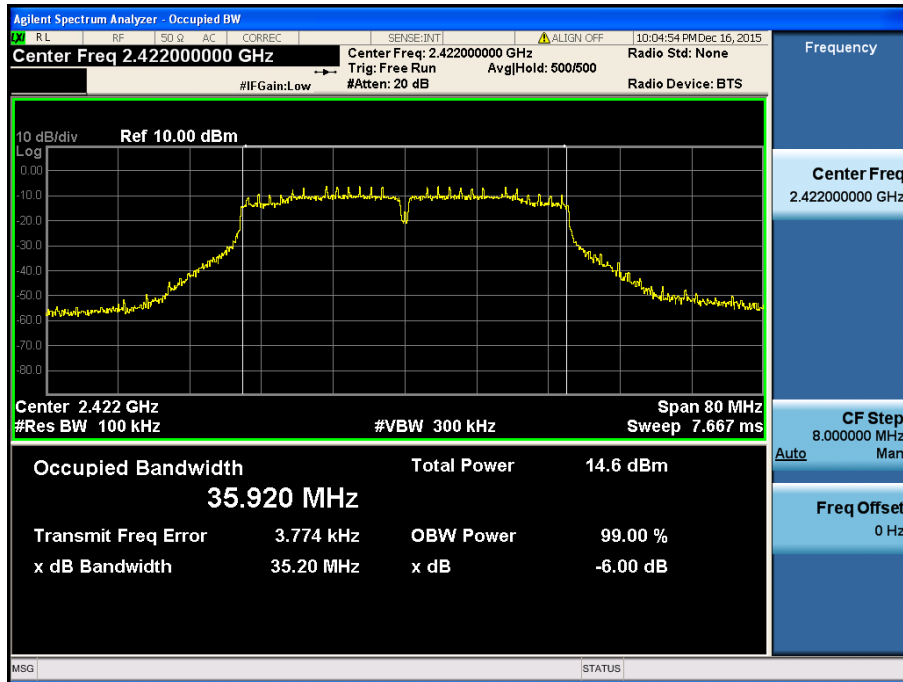
6 dB Bandwidth

TM 3 & ANT 1 & Highest



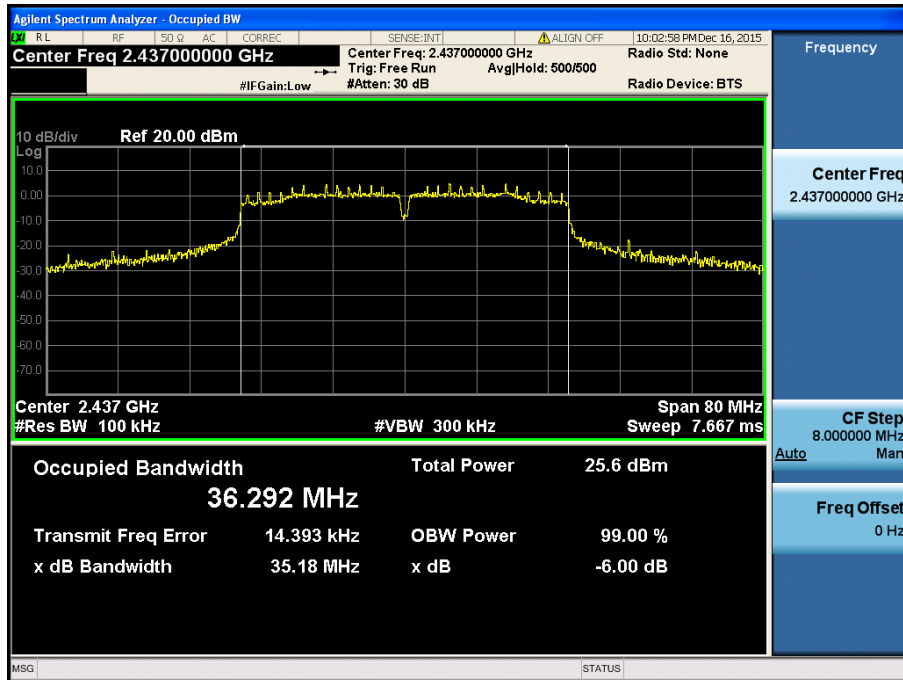
6 dB Bandwidth

TM 4 & ANT 1 & Lowest



6 dB Bandwidth

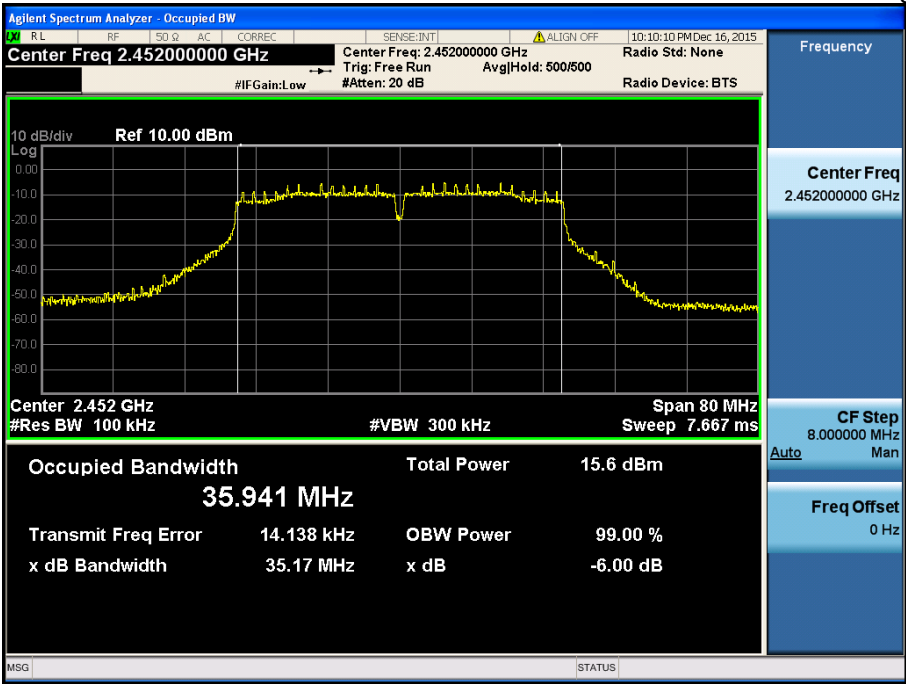
TM 4 & ANT 1 & Middle





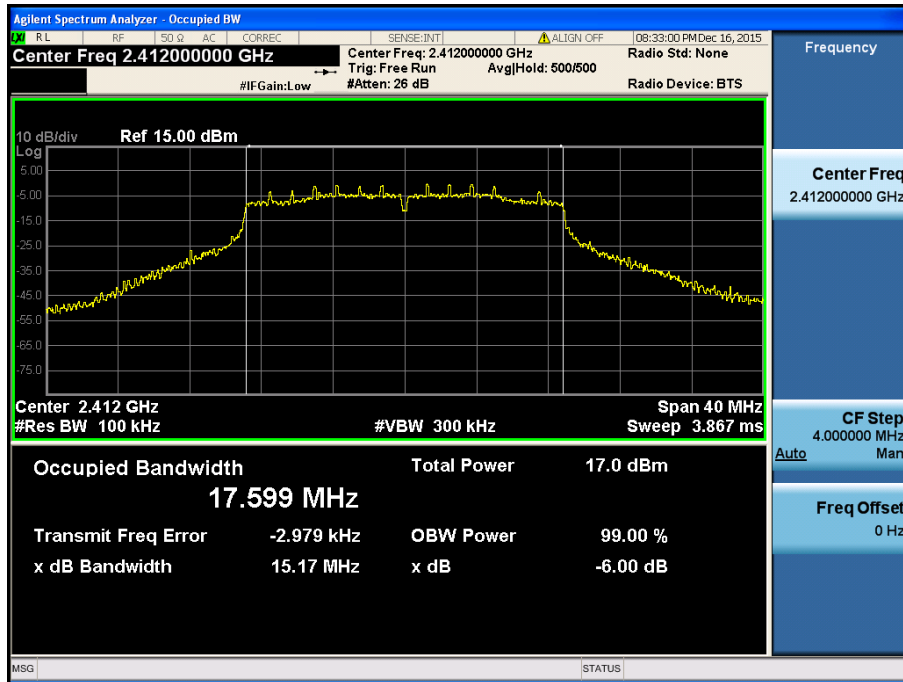
6 dB Bandwidth

TM 4 & ANT 1 & Highest



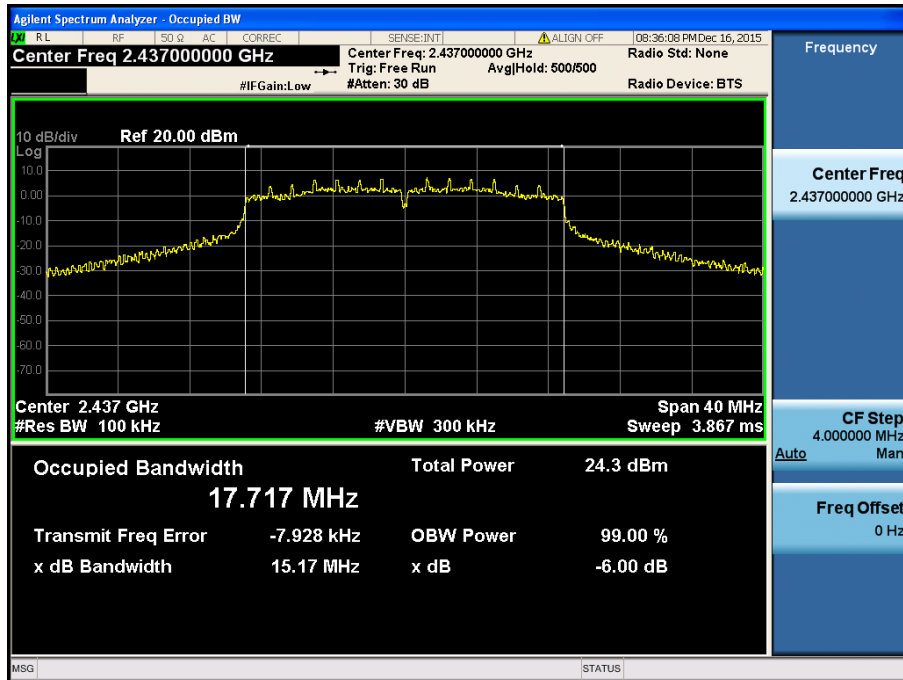
6 dB Bandwidth

TM 5 & ANT 1 & Lowest



6 dB Bandwidth

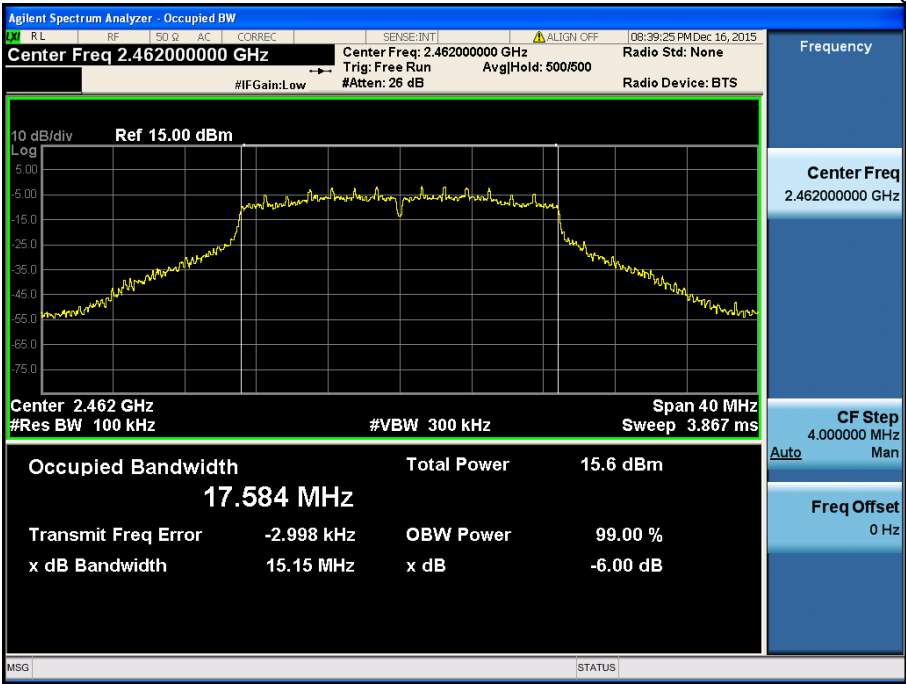
TM 5 & ANT 1 & Middle





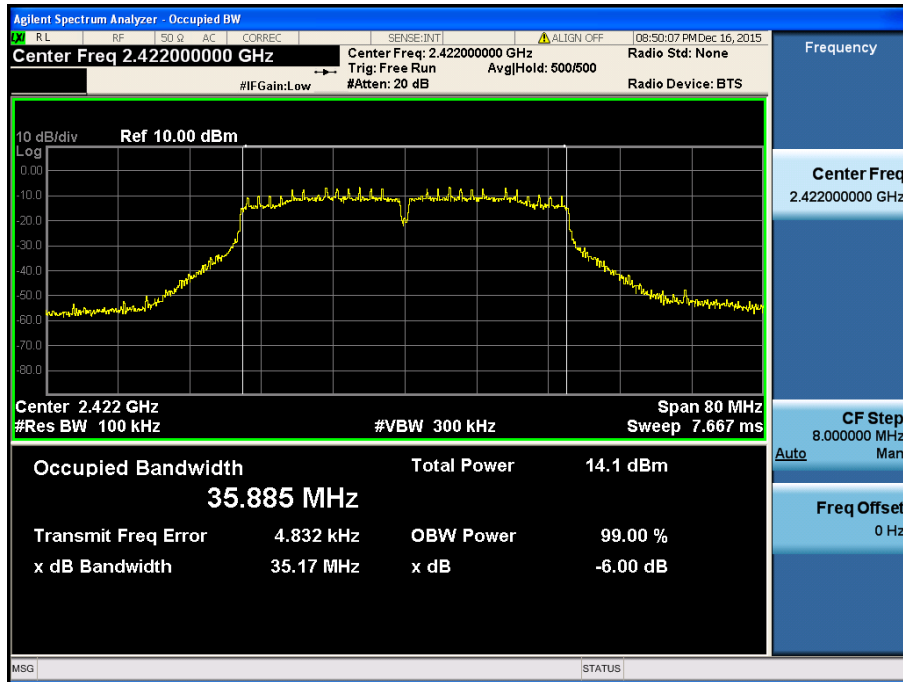
6 dB Bandwidth

TM 5 & ANT 1 & Highest



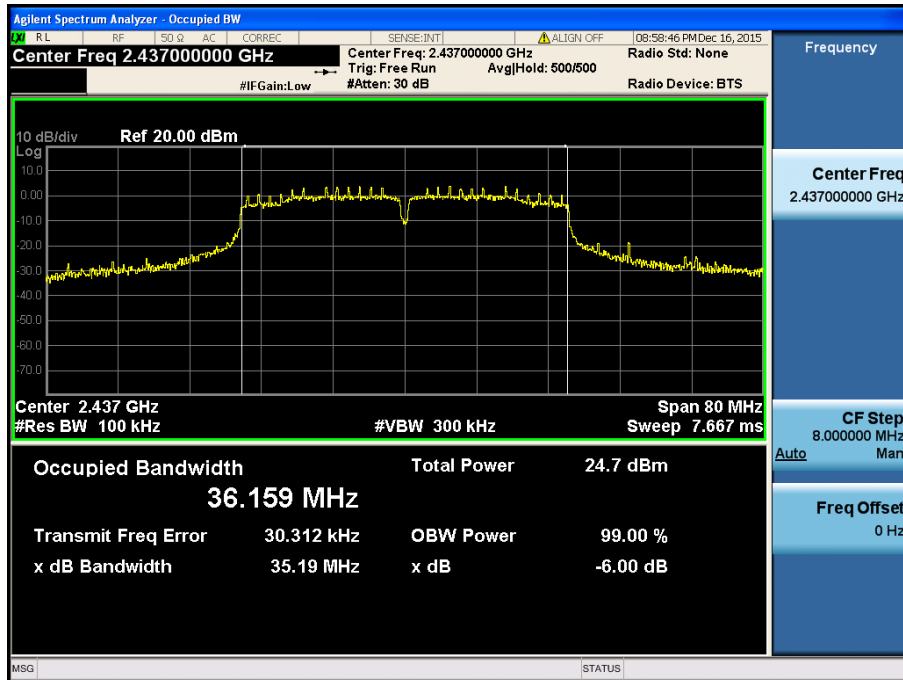
6 dB Bandwidth

TM 6 & ANT 1 & Lowest



6 dB Bandwidth

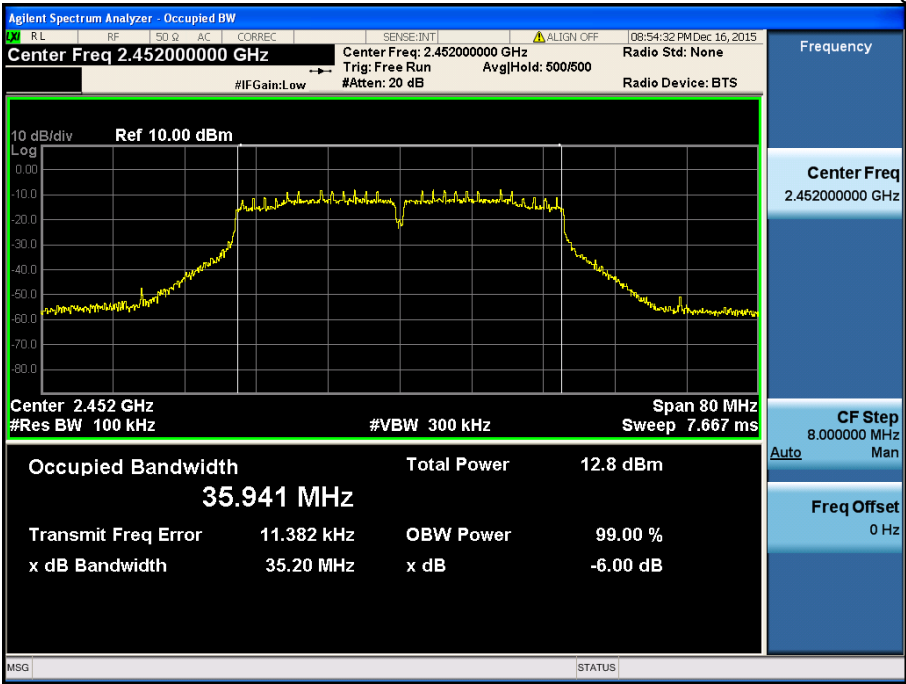
TM 6 & ANT 1 & Middle





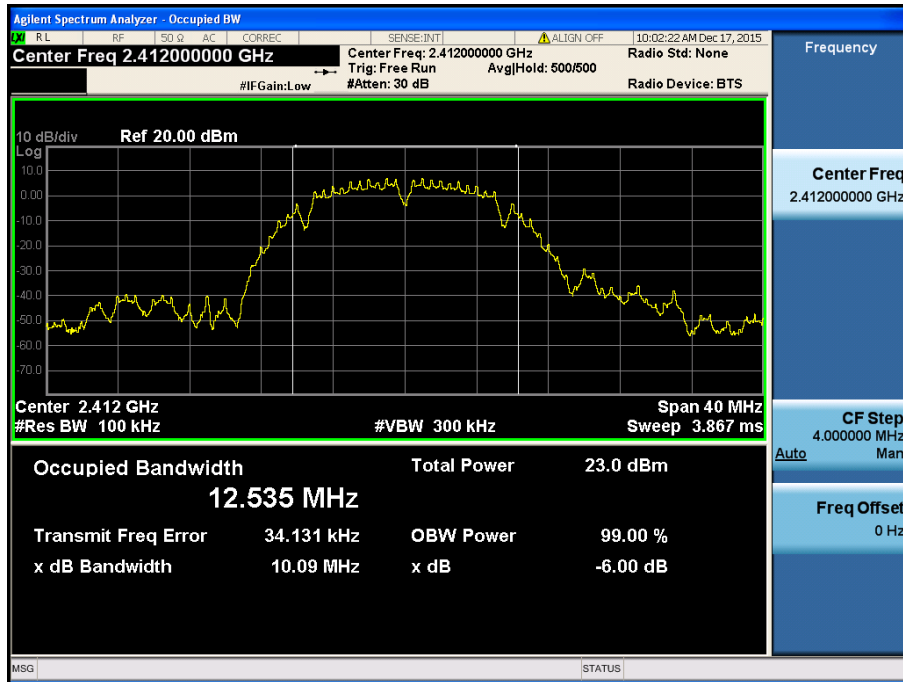
6 dB Bandwidth

TM 6 & ANT 1 & Highest



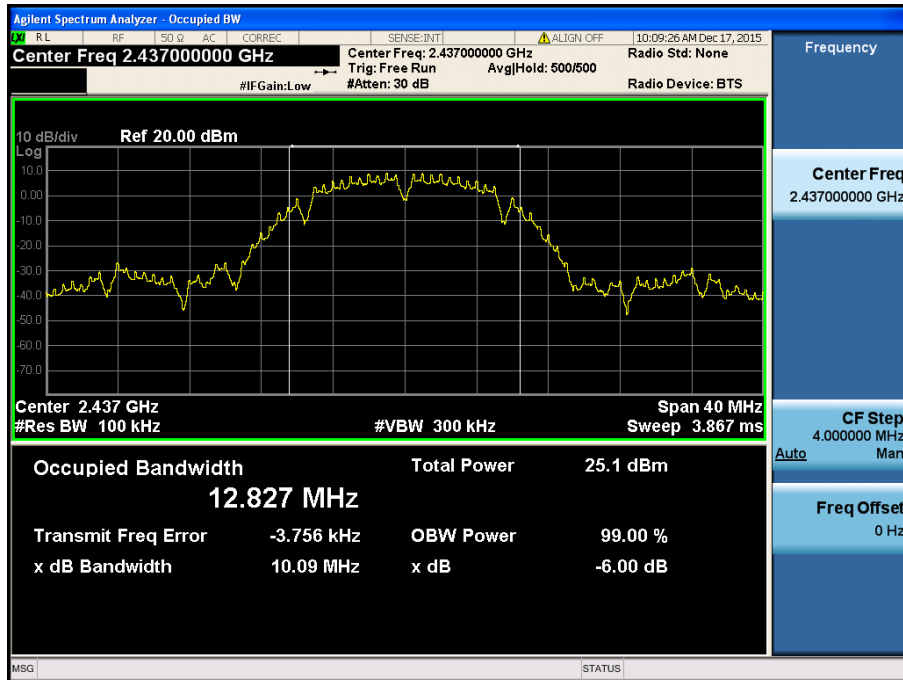
6 dB Bandwidth

TM 1 & ANT 2 & Lowest



6 dB Bandwidth

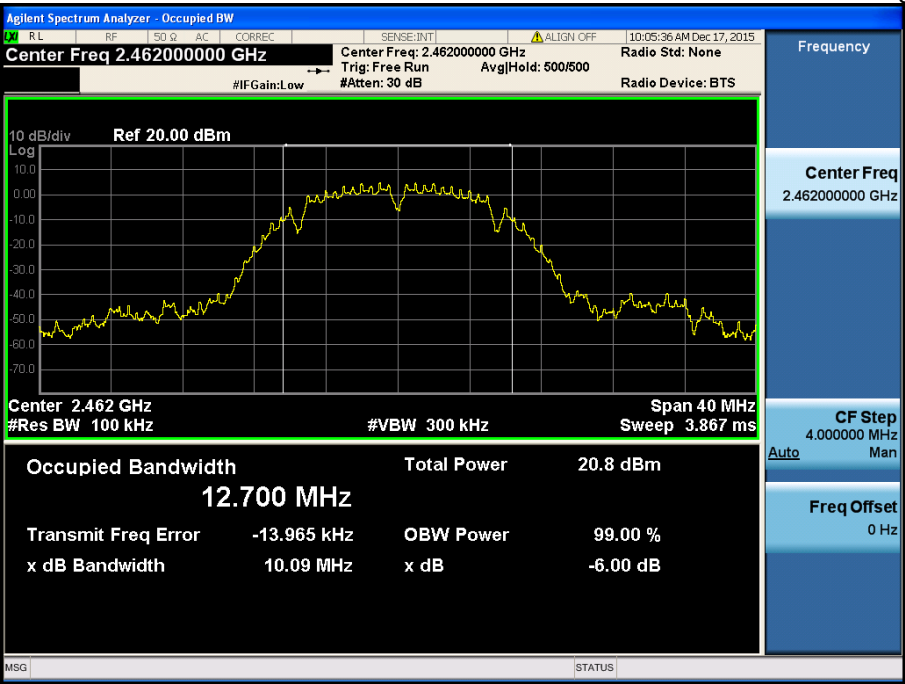
TM 1 & ANT 2 & Middle





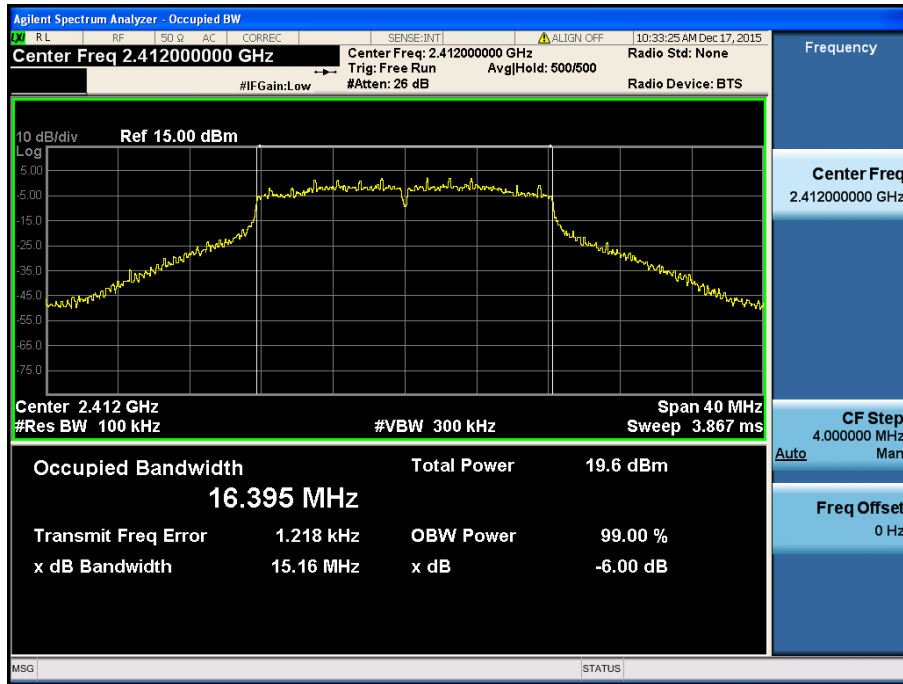
6 dB Bandwidth

TM 1 & ANT 2 & Highest



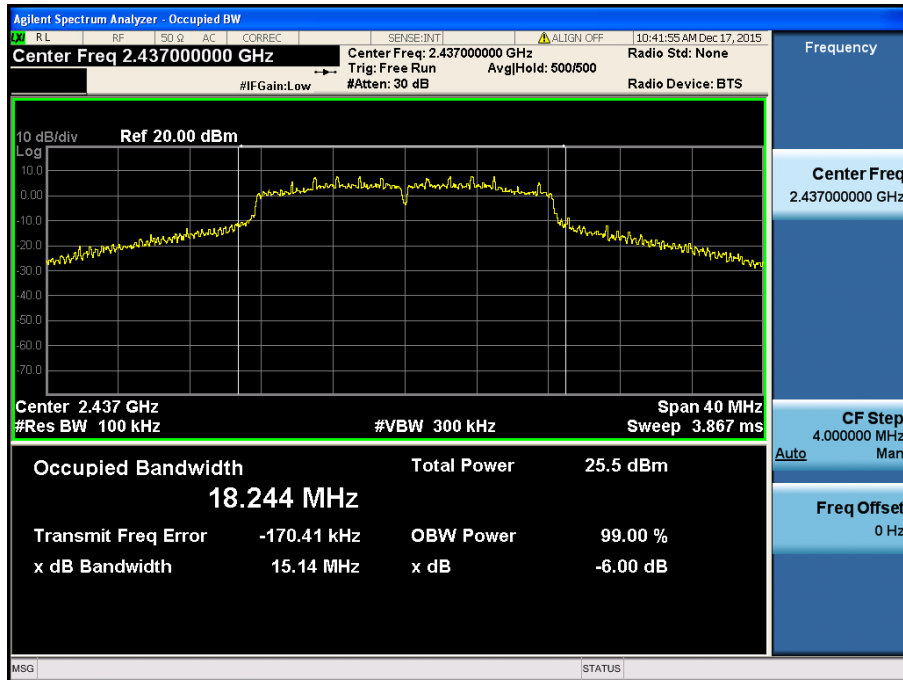
6 dB Bandwidth

TM 2 & ANT 2 & Lowest



6 dB Bandwidth

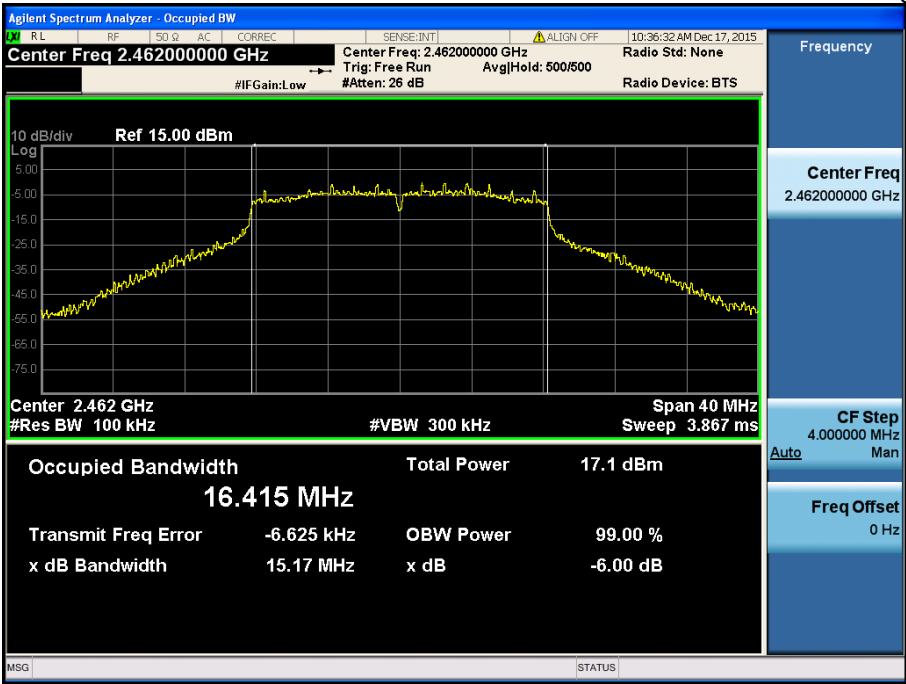
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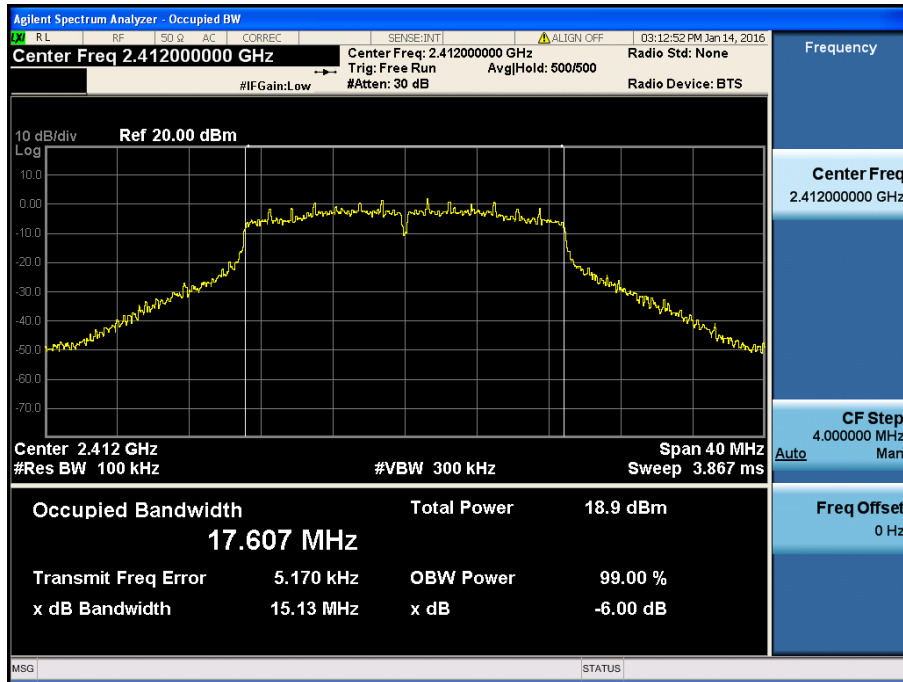
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TM 2 & ANT 2 & Highest



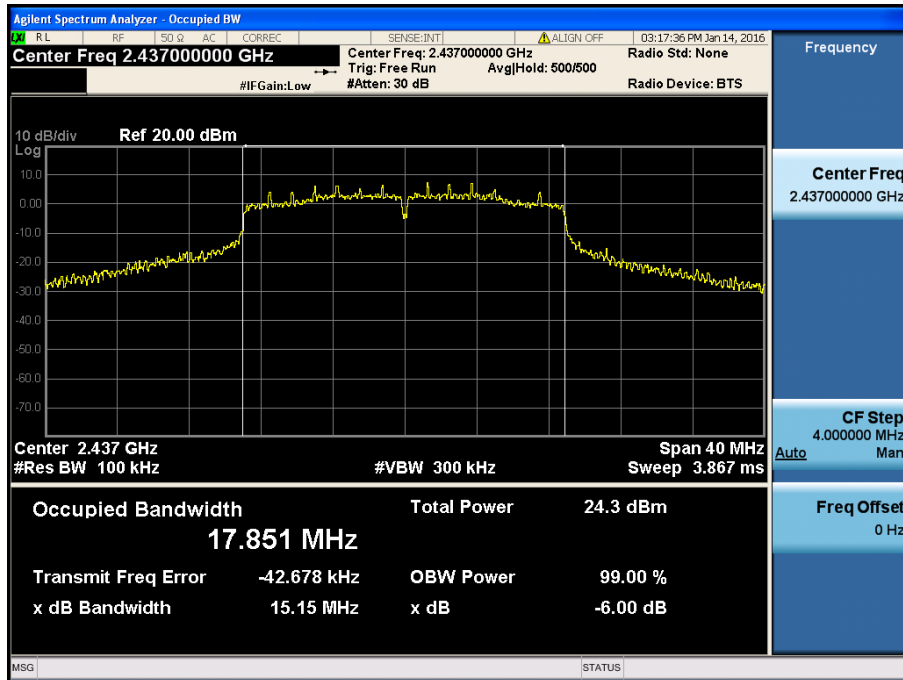
6 dB Bandwidth

TM 3 & ANT 2 & Lowest



6 dB Bandwidth

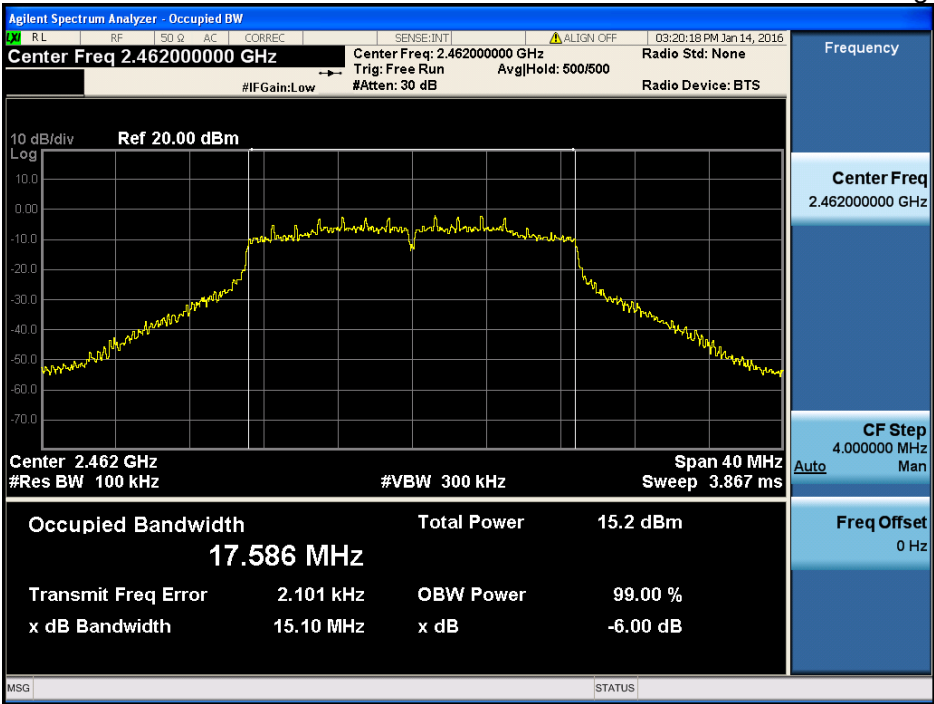
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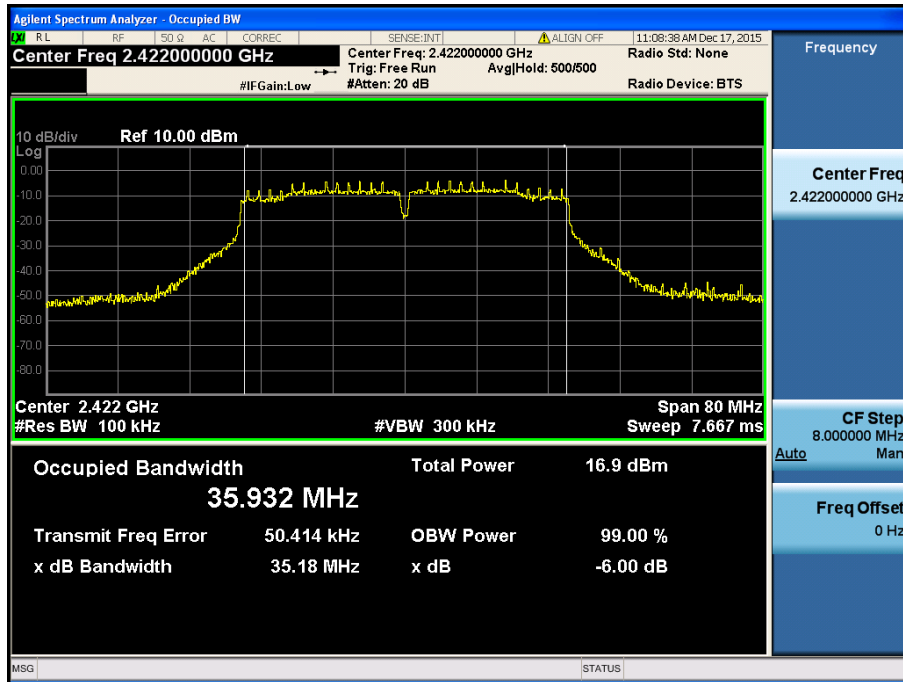
6 dB Bandwidth

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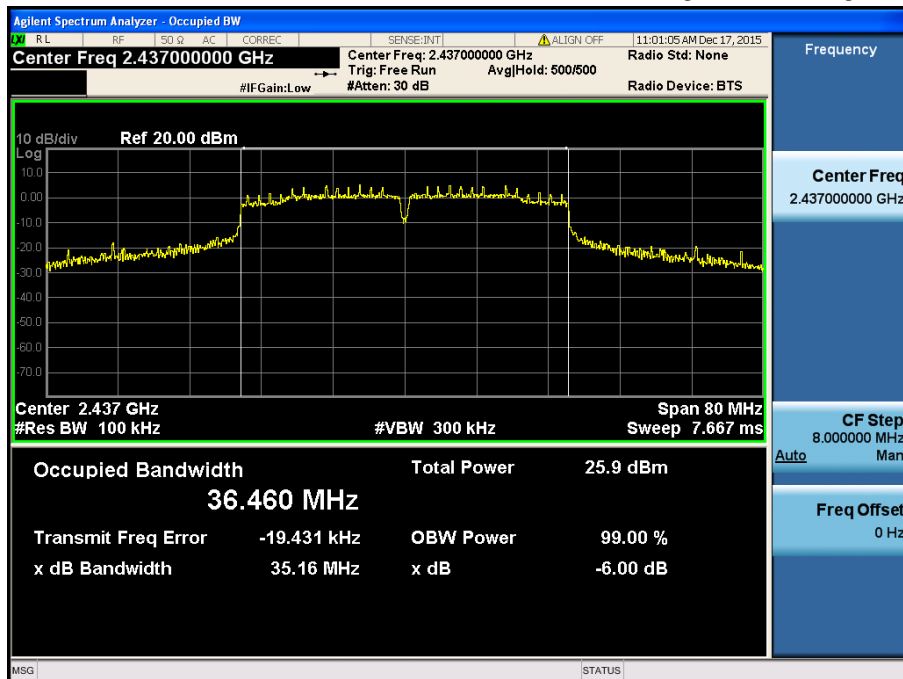
6 dB Bandwidth

TM 4 & ANT 2 & Lowest



6 dB Bandwidth

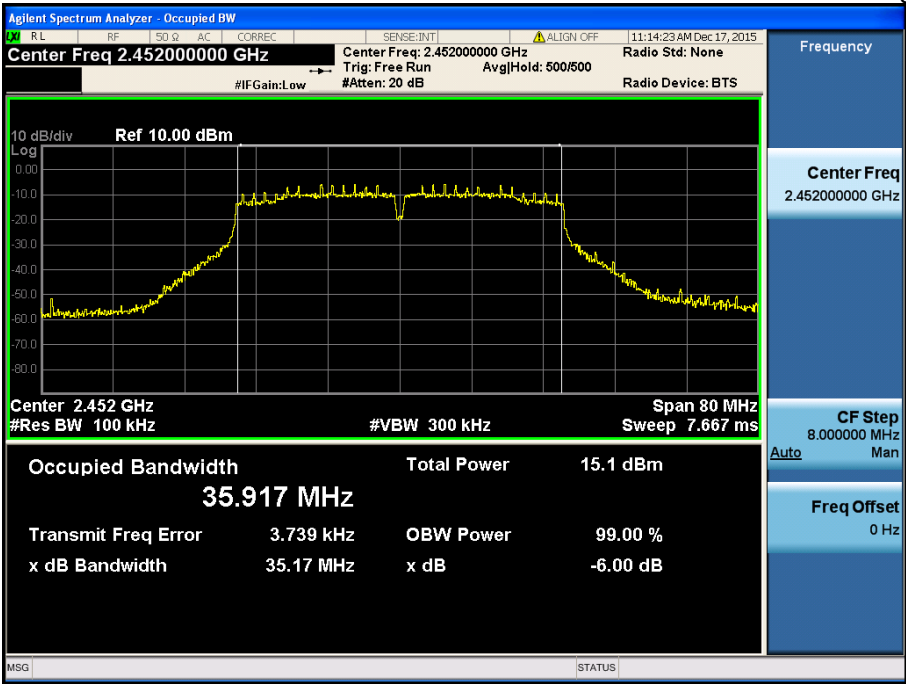
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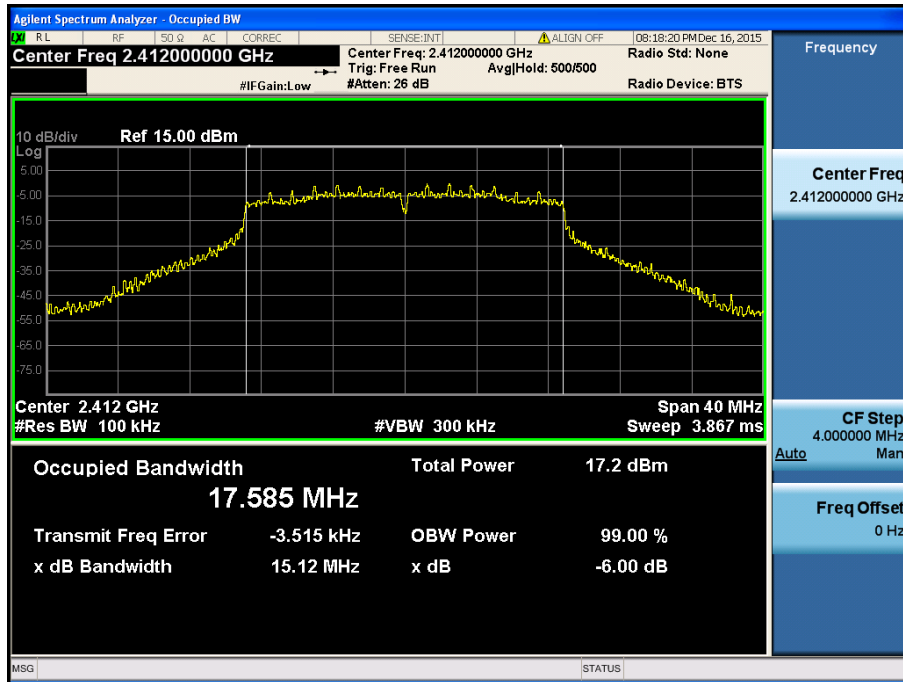
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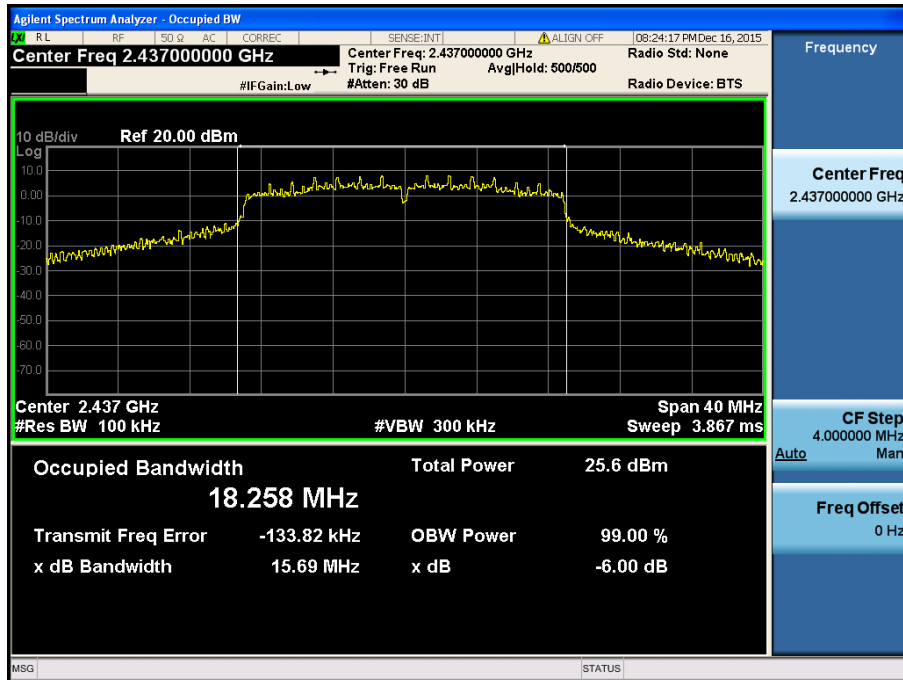
6 dB Bandwidth

TM 5 & ANT 2 & Lowest



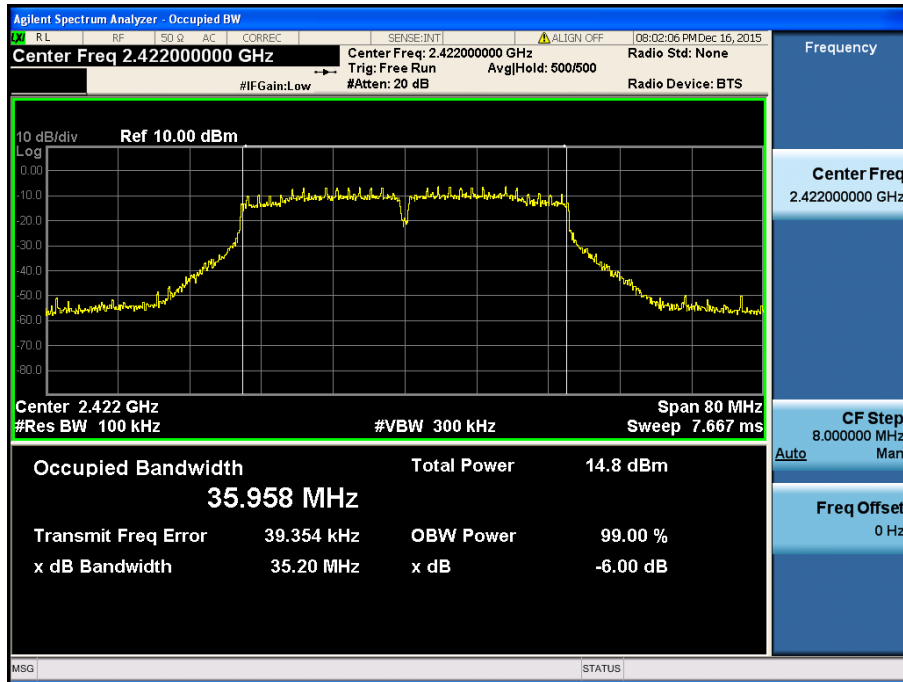
6 dB Bandwidth

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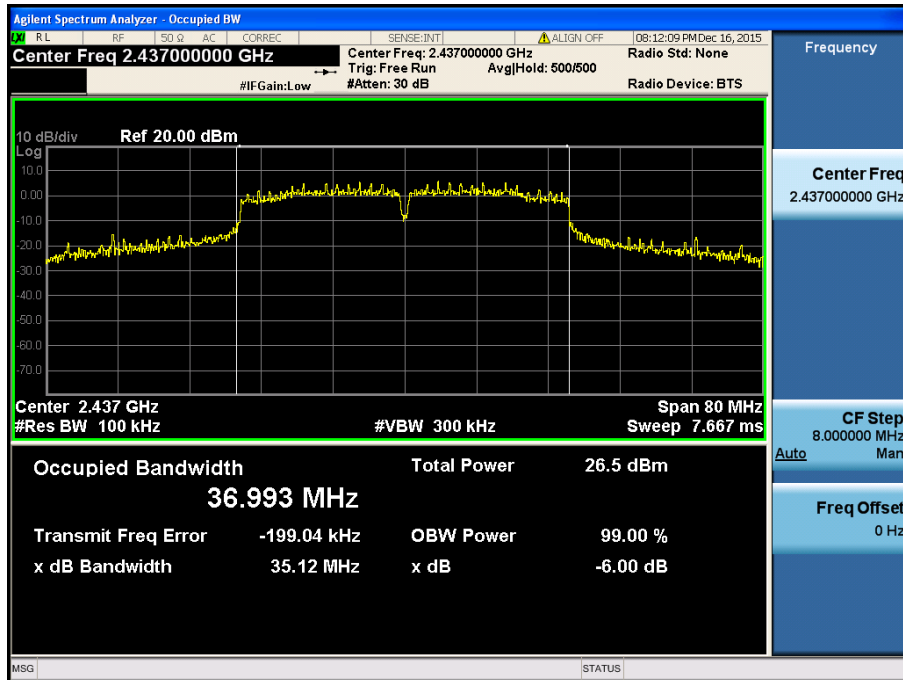
6 dB Bandwidth

TM 6 & ANT 2 & Lowest



6 dB Bandwidth

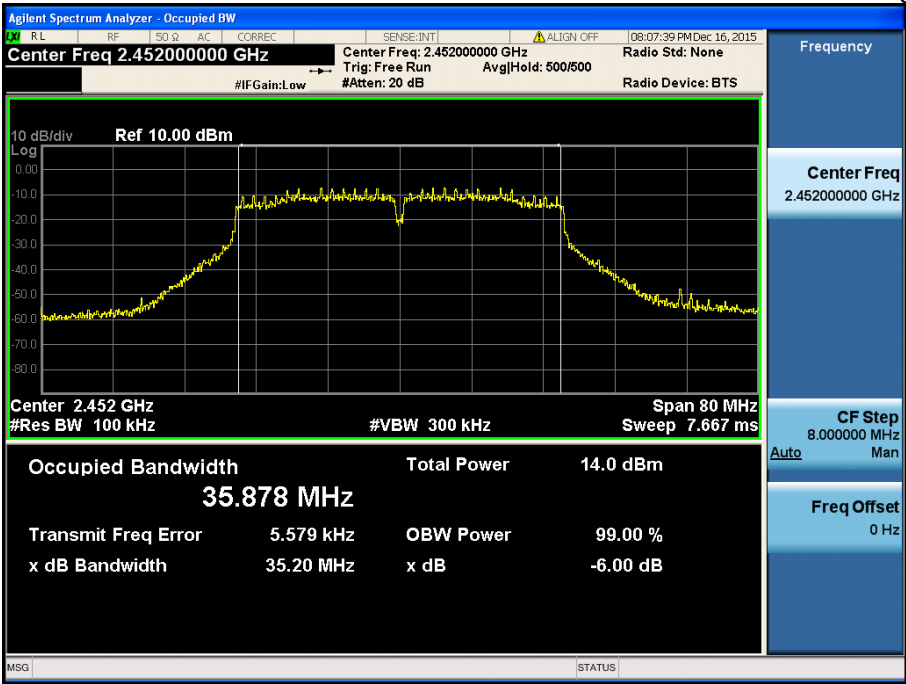
TM 6 & ANT 2 & Middle





6 dB Bandwidth

TM 6 & ANT 2 & Highest

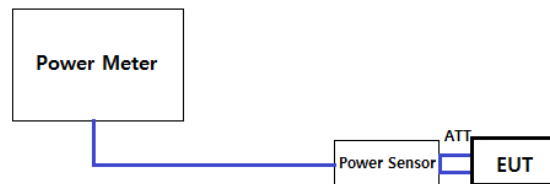


8.2 Maximum peak conducted output power

■ Test Requirements and limit, §15.247(b)

The maximum permissible conducted output power is **1 Watt**.

■ Test Configuration



■ Test Procedure

1. PKPM1 Peak power meter method of KDB558074

The maximum conducted output powers were measured using a broadband peak RF power meter which has greater video bandwidth than DUT's DTS bandwidth and utilize a fast-responding diode detector.

2. Method AVGPM-G (Measurement using a gated RF average power meter) of KDB558074

The average conducted output powers were measured using a wideband gated RF power meter provided that the gate parameters are adjusted such that the power is measured only when the EUT is transmitting at its maximum power control level. Since this measurement is made only during the ON time of the transmitter, no duty cycle correction is required.

Note: The measure-and-sum technique is used for test mode with multiple transmitting.

■ Test Results: **Comply**

▪ Single transmitting mode

▪ Single transmitting

ANT	Freq. (MHz)	Det.	Maximum Peak Conducted Output Power (dBm) for <u>802.11b</u>			
			Data Rate [Mbps]			
			1	2	5.5	11
ANT 1	2412	PK	17.05	16.95	16.80	16.90
		AV	14.27	14.22	14.17	14.23
	2437	PK	20.28	20.20	20.23	20.05
		AV	17.81	17.72	17.65	17.73
	2462	PK	16.04	15.88	15.96	15.98
		AV	13.23	13.19	13.19	12.98
ANT 2	2412	PK	18.55	18.43	18.39	18.50
		AV	15.75	15.71	15.72	15.55
	2437	PK	20.02	19.87	19.79	19.91
		AV	17.35	17.19	17.10	17.13
	2462	PK	15.42	15.20	15.39	15.23
		AV	12.87	12.78	12.78	12.86

ANT	Freq. (MHz)	Det.	Maximum Peak Conducted Output Power (dBm) for <u>802.11g</u>							
			Data Rate [Mbps]							
			6	9	12	18	24	36	48	54
ANT 1	2412	PK	14.56	14.47	14.40	14.48	14.47	14.37	14.49	14.37
		AV	10.54	10.38	10.46	10.48	10.38	10.52	10.38	10.48
	2437	PK	21.52	21.48	21.48	21.27	21.33	21.37	21.46	21.32
		AV	17.50	17.46	17.41	17.38	17.27	17.28	17.47	17.32
	2462	PK	14.89	14.77	14.73	14.84	14.81	14.69	14.75	14.69
		AV	10.63	10.59	10.60	10.43	10.48	10.48	10.43	10.53
ANT 2	2412	PK	16.11	15.95	15.86	15.89	16.09	16.06	15.99	16.00
		AV	12.09	11.87	12.06	11.90	11.84	11.84	11.98	11.98
	2437	PK	21.34	21.25	21.25	21.33	21.30	21.22	21.19	21.21
		AV	17.32	17.14	17.15	17.25	17.10	17.11	17.27	17.25
	2462	PK	13.22	13.21	13.08	12.99	13.17	13.14	13.11	13.19
		AV	9.12	8.95	9.02	9.07	8.88	9.07	8.87	8.97

ANT	Freq. (MHz)	Det.	Maximum Peak Conducted Output Power (dBm) for <u>802.11n(HT20)</u>							
			Data Rate [MCS]							
			0	1	2	3	4	5	6	7
ANT 1	2412	PK	14.21	14.17	14.12	14.09	13.98	13.99	14.18	14.03
		AV	9.21	9.09	9.05	9.16	9.13	9.01	9.07	9.01
	2437	PK	21.72	21.68	21.69	21.52	21.57	21.57	21.52	21.62
		AV	17.88	17.73	17.65	17.77	17.73	17.69	17.70	17.83
	2462	PK	14.58	14.42	14.33	14.36	14.56	14.53	14.46	14.47
		AV	9.76	9.54	9.73	9.57	9.51	9.51	9.65	9.65
ANT 2	2412	PK	16.11	15.95	15.86	15.89	16.09	16.06	15.99	16.00
		AV	12.15	11.93	12.12	11.96	11.90	11.90	12.04	12.04
	2437	PK	21.36	21.27	21.27	21.35	21.32	21.24	21.21	21.23
		AV	17.33	17.15	17.16	17.26	17.11	17.12	17.28	17.26
	2462	PK	12.38	12.37	12.24	12.15	12.33	12.30	12.27	12.35
		AV	8.42	8.25	8.32	8.37	8.18	8.37	8.17	8.27

ANT	Freq. (MHz)	Det.	Maximum Peak Conducted Output Power (dBm) for <u>802.11n(HT40)</u>							
			Data Rate [MCS]							
			0	1	2	3	4	5	6	7
ANT 1	2422	PK	11.25	11.21	11.16	11.13	11.02	11.03	11.22	11.07
		AV	6.97	6.85	6.81	6.92	6.89	6.77	6.83	6.77
	2437	PK	21.15	21.11	21.12	20.95	21.00	21.00	20.95	21.05
		AV	17.33	17.18	17.10	17.22	17.18	17.14	17.15	17.28
	2452	PK	12.11	11.95	11.86	11.89	12.09	12.06	11.99	12.00
		AV	7.80	7.58	7.77	7.61	7.55	7.55	7.69	7.69
ANT 2	2422	PK	13.08	12.89	12.90	13.03	13.03	13.02	12.86	13.02
		AV	9.18	9.13	9.06	9.07	9.06	9.03	9.15	8.93
	2437	PK	21.02	20.77	20.91	20.91	20.89	20.90	20.89	21.00
		AV	17.21	17.09	17.06	17.08	17.13	17.14	17.10	17.14
	2452	PK	10.28	10.07	10.23	10.21	10.23	10.20	10.06	10.14
		AV	6.44	6.36	6.33	6.41	6.39	6.33	6.23	6.32

▪ Multiple transmitting

ANT	Freq. (MHz)	Det.	Maximum Peak Conducted Output Power (dBm) for <u>802.11n(HT20)</u>							
			Data Rate [MCS]							
			8	9	10	11	12	13	14	15
ANT 1	2412	PK	14.780	14.680	14.680	14.630	14.710	14.560	14.540	14.560
		AV	9.420	9.390	9.360	9.390	9.410	9.320	9.250	9.270
	2437	PK	21.350	21.270	21.290	21.200	21.190	21.320	21.320	21.340
		AV	17.030	16.940	16.780	16.900	16.920	16.970	17.020	16.960
	2462	PK	12.410	12.380	12.350	12.380	12.400	12.310	12.240	12.260
		AV	7.670	7.650	7.470	7.530	7.600	7.460	7.560	7.660
ANT 2	2412	PK	14.110	13.900	13.950	14.020	13.950	13.880	14.080	13.930
		AV	8.730	8.500	8.720	8.590	8.670	8.550	8.570	8.540
	2437	PK	21.190	21.110	21.130	21.040	21.030	21.160	21.160	21.180
		AV	17.230	17.140	16.980	17.100	17.120	17.170	17.220	17.160
	2462	PK	12.410	12.380	12.210	12.330	12.210	12.340	12.340	12.320
		AV	7.070	6.940	6.860	6.850	6.990	7.060	7.030	6.860
Sum (ANT 1+2)	2412	PK	17.469	17.318	17.341	17.347	17.357	17.244	17.327	17.267
	2437	PK	24.282	24.202	24.222	24.132	24.122	24.252	24.252	24.272
	2462	PK	15.421	15.391	15.291	15.366	15.317	15.336	15.301	15.301

ANT	Freq. (MHz)	Det.	Maximum Peak Conducted Output Power (dBm) for <u>802.11n(HT40)</u>							
			Data Rate [MCS]							
			8	9	10	11	12	13	14	15
ANT 1	2422	PK	10.030	10.020	9.890	9.910	9.880	9.850	9.930	9.950
		AV	5.750	5.720	5.550	5.670	5.550	5.680	5.680	5.660
	2437	PK	20.950	20.920	20.900	20.730	20.740	20.750	20.880	20.940
		AV	17.060	16.840	17.030	17.030	17.020	16.960	17.050	17.010
	2452	PK	10.210	10.000	10.050	10.120	10.050	9.980	10.180	10.030
		AV	5.570	5.340	5.560	5.430	5.510	5.390	5.410	5.380
ANT 2	2422	PK	10.610	10.590	10.410	10.470	10.540	10.400	10.500	10.600
		AV	5.740	5.730	5.600	5.620	5.590	5.560	5.640	5.660
	2437	PK	20.970	20.850	20.880	20.830	20.830	20.870	20.810	20.870
		AV	17.010	16.760	16.830	16.820	16.920	16.780	16.910	17.000
	2452	PK	9.150	8.940	8.990	9.060	8.990	8.920	9.120	8.970
		AV	4.350	4.120	4.340	4.210	4.290	4.170	4.190	4.160
Sum (ANT 1+2)	2422	PK	13.340	13.325	13.169	13.210	13.233	13.145	13.235	13.298
	2437	PK	23.971	23.896	23.901	23.791	23.796	23.821	23.856	23.916
	2452	PK	12.723	12.513	12.563	12.633	12.563	12.493	12.693	12.543

8.3 Maximum power spectral density

■ Test requirements and limit, §15.247(e)

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

■ Test Configuration

Refer to the APPENDIX I.

■ Test Procedure

Method PKPSD of KDB558074 is used.

1. Set analyzer center frequency to DTS channel center frequency.
2. Set the span to **1.5 times** the DTS bandwidth.
3. Set the RBW to : **3 kHz $\leq$ RBW $\leq$ 100 kHz**
4. Set the VBW $\geq$ **3 x RBW**
5. Detector = **Peak**
6. Sweep time = **Auto couple**
7. Trace mode = **Max hold.**
8. Allow trace to fully stabilize.
9. Use the **peak marker function** to determine the maximum amplitude level within the RBW.
10. If measured value exceeds limit, reduce RBW (no less than 3 kHz) and repeat.

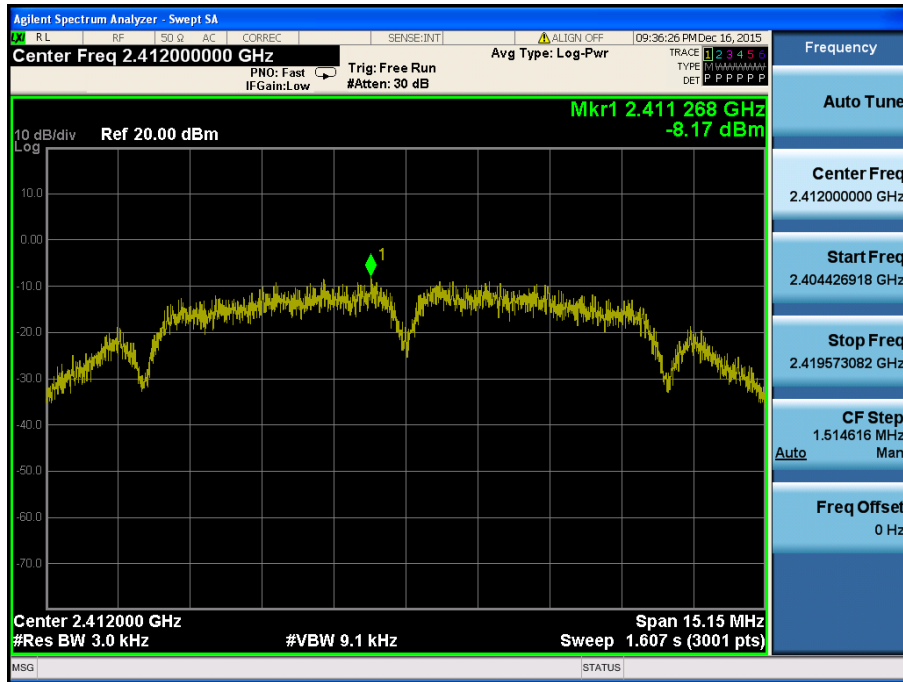
■ Test Results: **Comply**

Test Mode	Frequency	RBW	PKPSD [dBm]		
			ANT 1	ANT 2	SUM (ANT 1 + ANT 2)
TM 1	Lowest	3 kHz	-8.17	-7.76	-
	Middle	3 kHz	-5.44	-5.12	-
	Highest	3 kHz	-9.33	-9.37	-
TM 2	Lowest	3 kHz	-13.80	-13.23	-
	Middle	3 kHz	-7.74	-6.80	-
	Highest	3 kHz	-14.50	-14.07	-
TM 3	Lowest	3 kHz	-14.54	-13.21	-
	Middle	3 kHz	-7.84	-7.53	-
	Highest	3 kHz	-15.10	-16.63	-
TM 4	Lowest	3 kHz	-21.47	-18.57	-
	Middle	3 kHz	-10.77	-9.70	-
	Highest	3 kHz	-18.97	-20.13	-
TM 5	Lowest	3 kHz	-15.230	-15.750	-12.472
	Middle	3 kHz	-7.930	-6.910	-4.380
	Highest	3 kHz	-16.370	-16.090	-13.218
TM 6	Lowest	3 kHz	-20.010	-21.110	-17.515
	Middle	3 kHz	-10.190	-9.770	-6.965
	Highest	3 kHz	-22.750	-20.780	-18.644

RESULT PLOTS

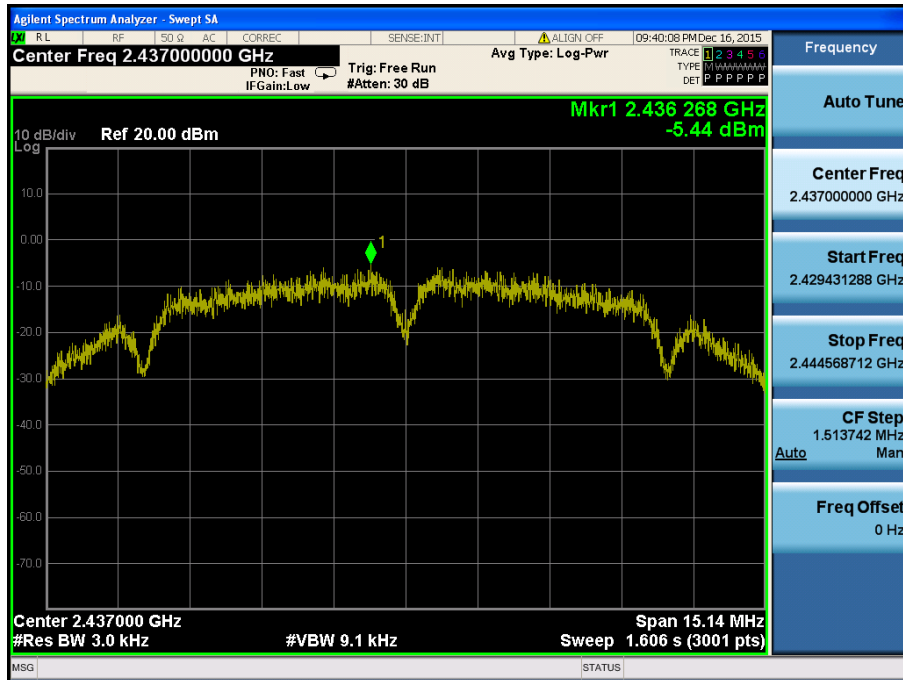
Maximum PPSD

TM 1 & ANT 1 & Lowest



Maximum PPSD

TM 1 & ANT 1 & Middle



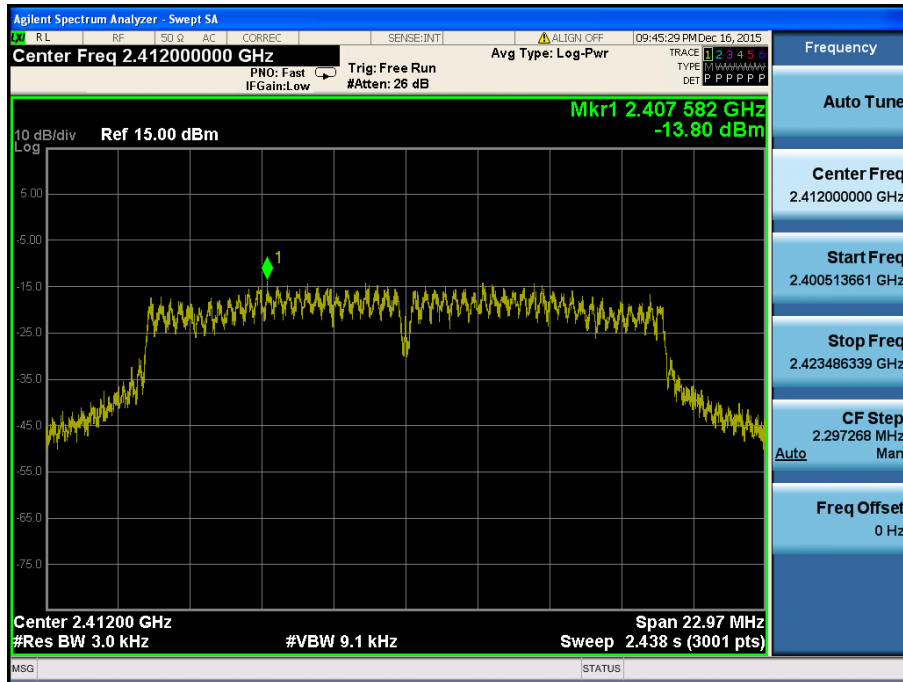


Maximum PPSD TM 1 & ANT 1 & Highest



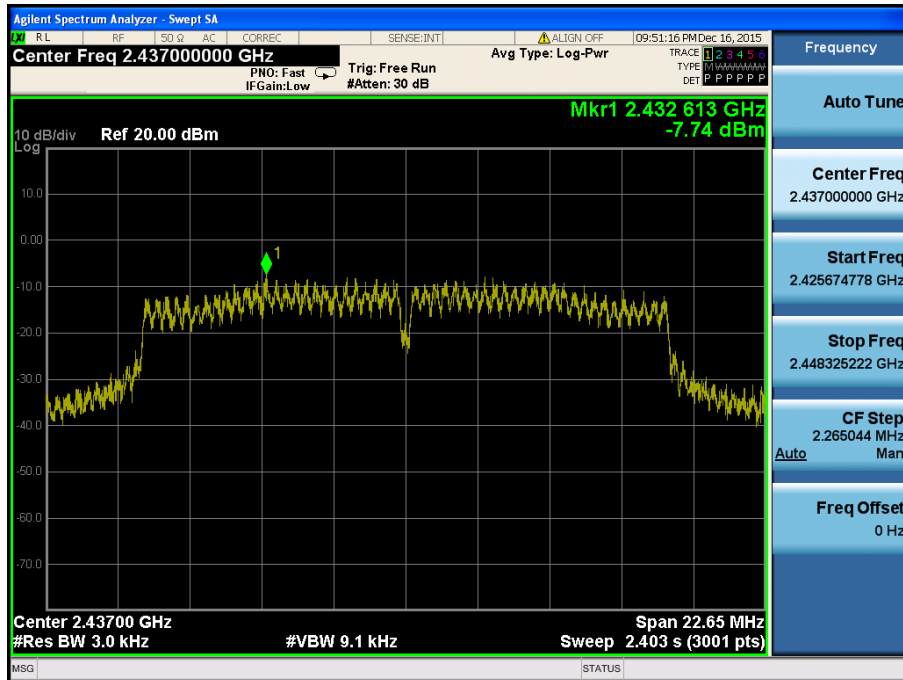
Maximum PPSD

TM 2 & ANT 1 & Lowest



Maximum PPSD

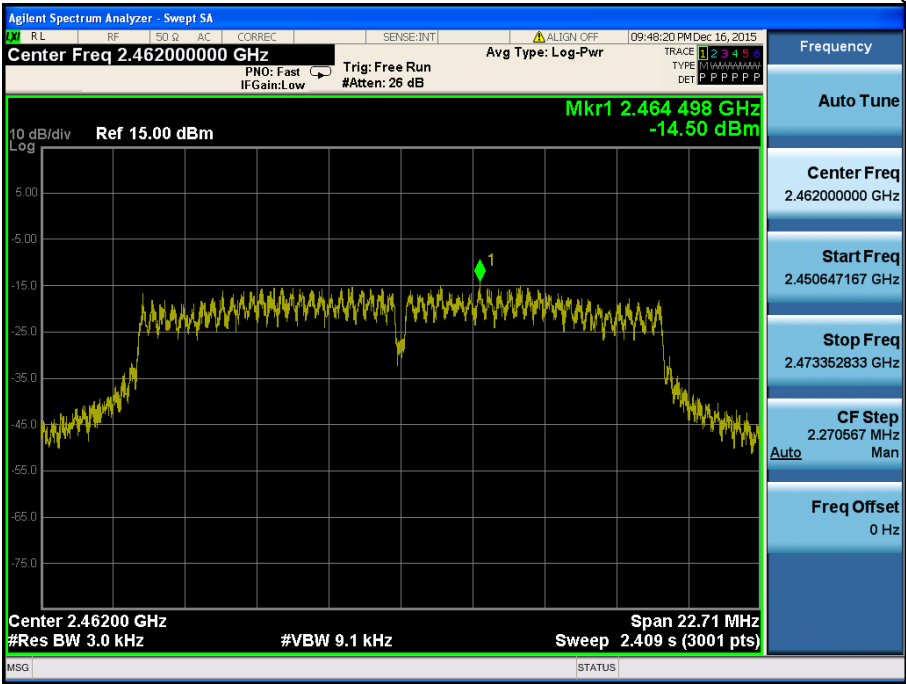
TM 2 & ANT 1 & Middle





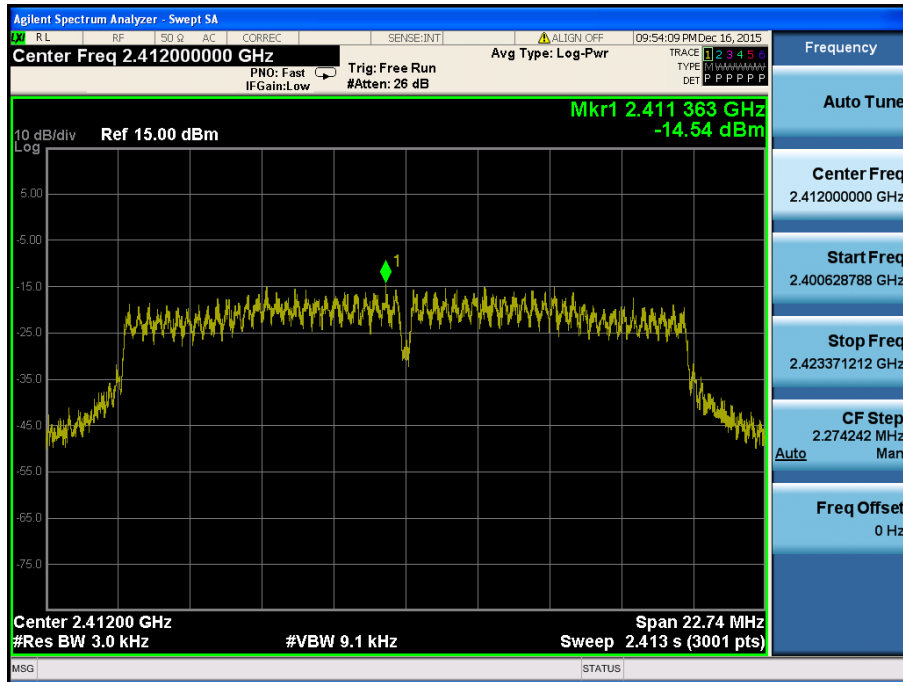
Maximum PPSD

TM 2 & ANT 1 & Highest



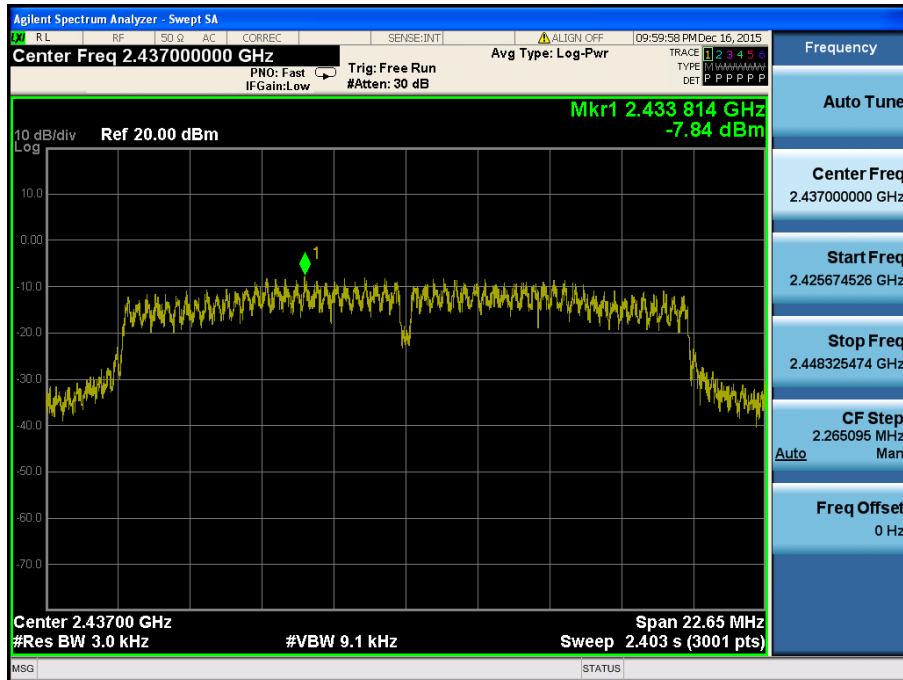
Maximum PPSD

TM 3 & ANT 1 & Lowest



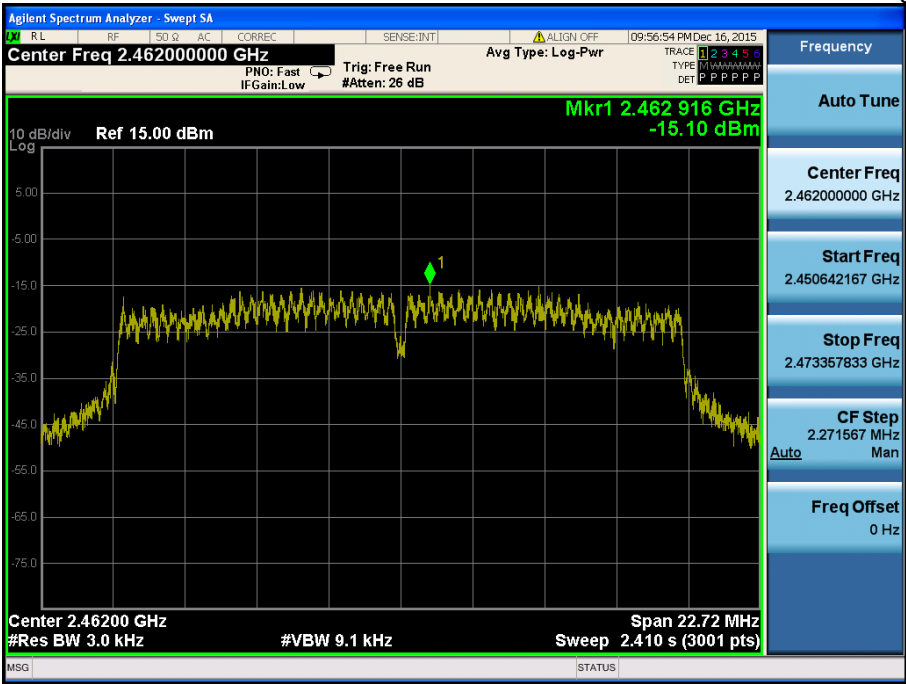
Maximum PPSD

TM 3 & ANT 1 & Middle



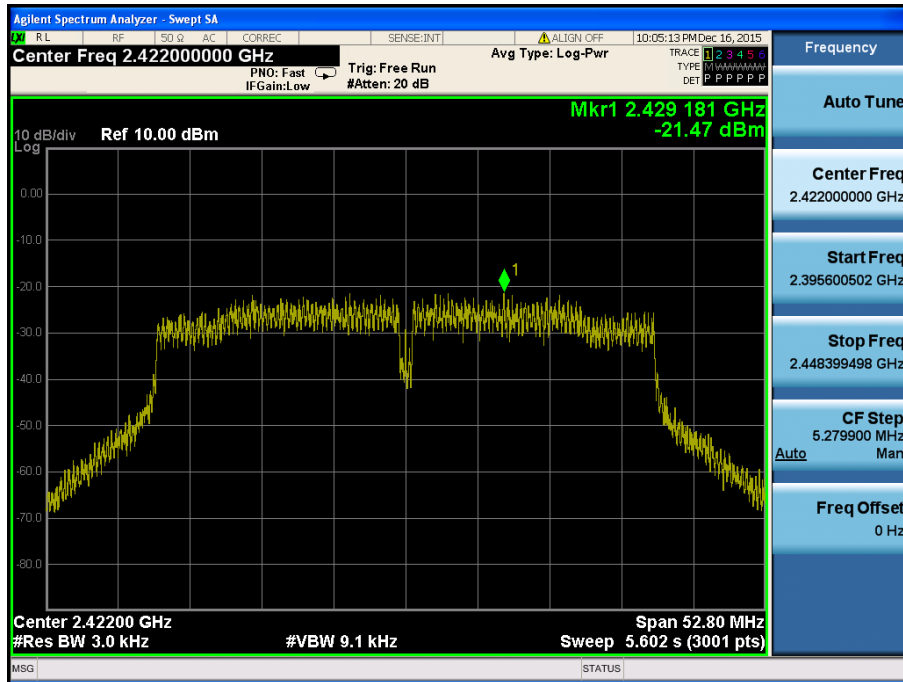


Maximum PPSD TM 3 & ANT 1 & Highest



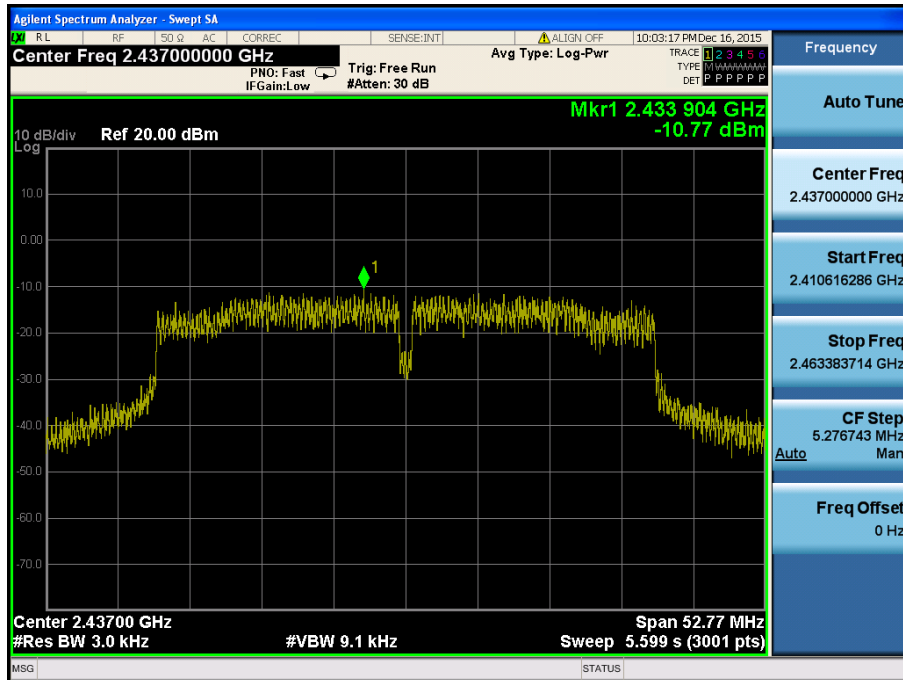
Maximum PPSD

TM 4 & ANT 1 & Lowest



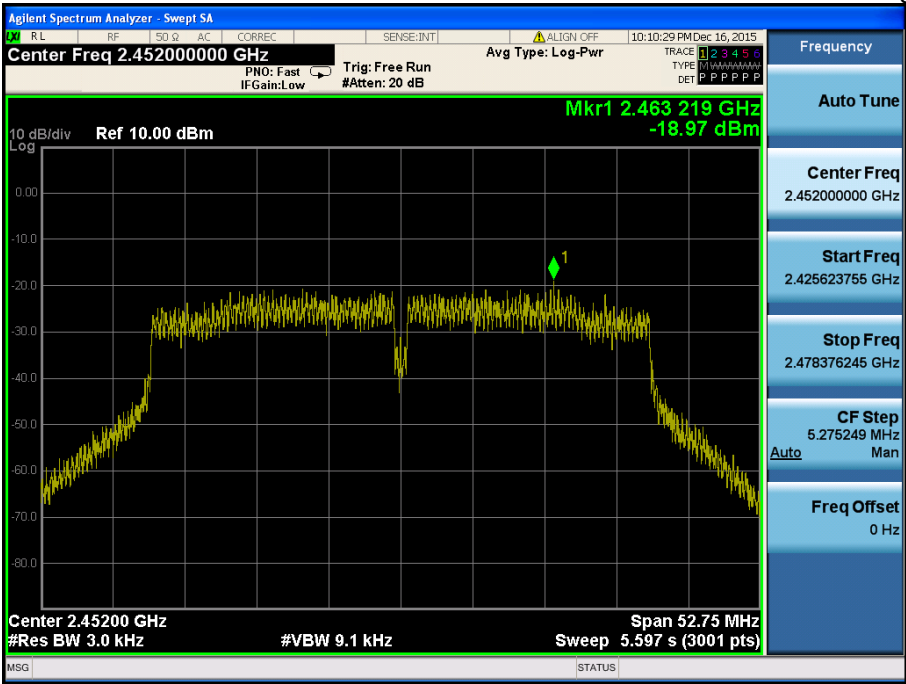
Maximum PPSD

TM 4 & ANT 1 & Middle



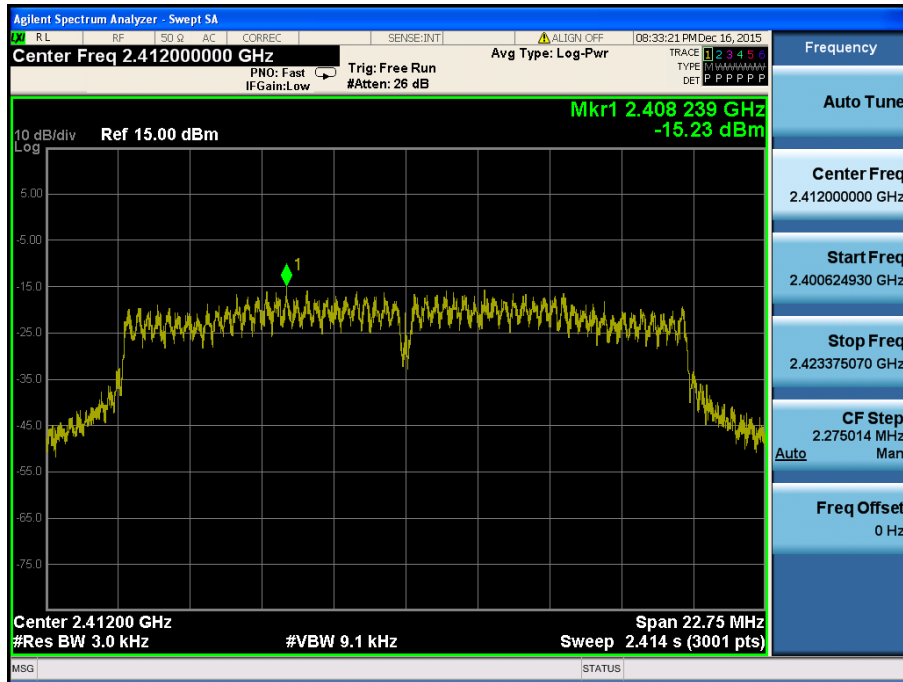


Maximum PPSD TM 4 & ANT 1 & Highest



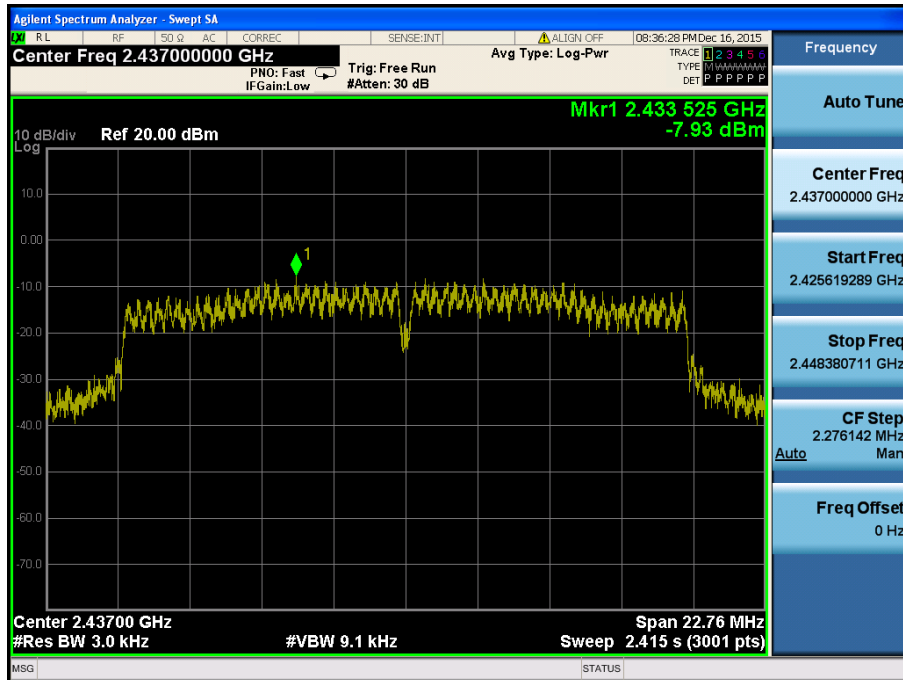
Maximum PPSD

TM 5 & ANT 1 & Lowest



Maximum PPSD

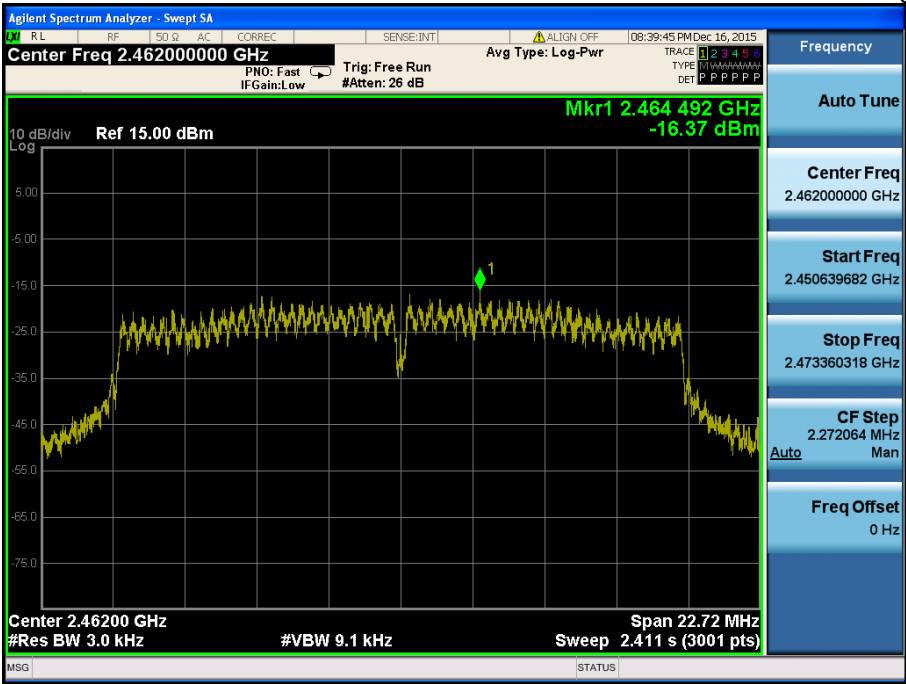
TM 5 & ANT 1 & Middle





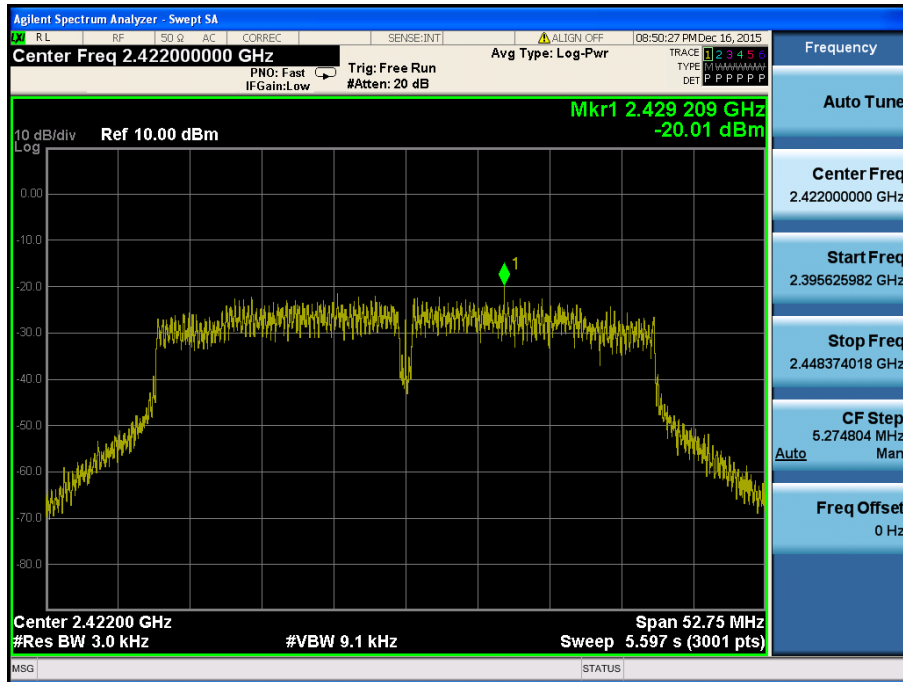
Maximum PPSD

TM 5 & ANT 1 & Highest



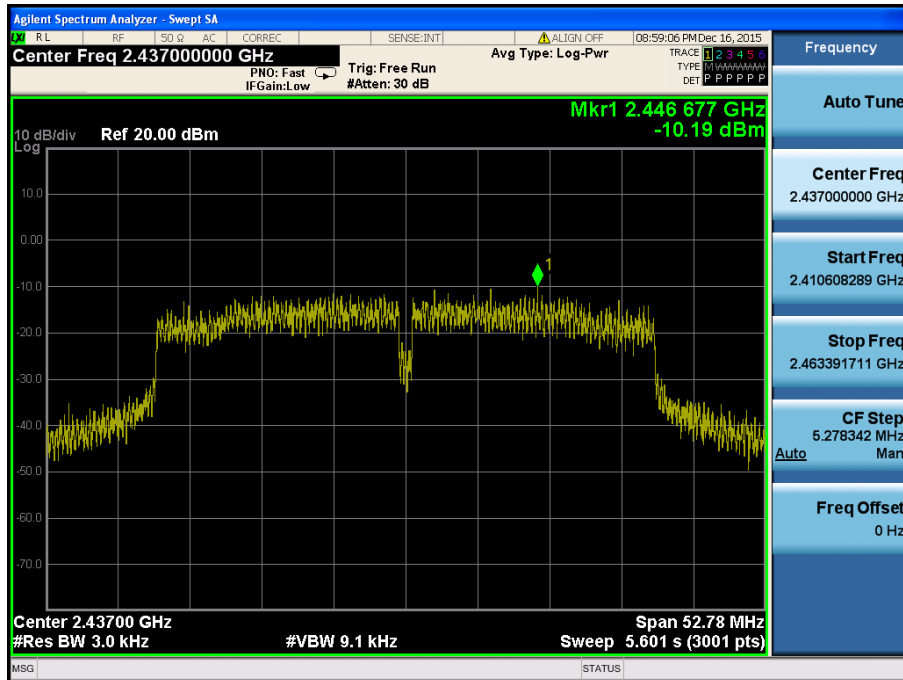
Maximum PPSD

TM 6 & ANT 1 & Lowest



Maximum PPSD

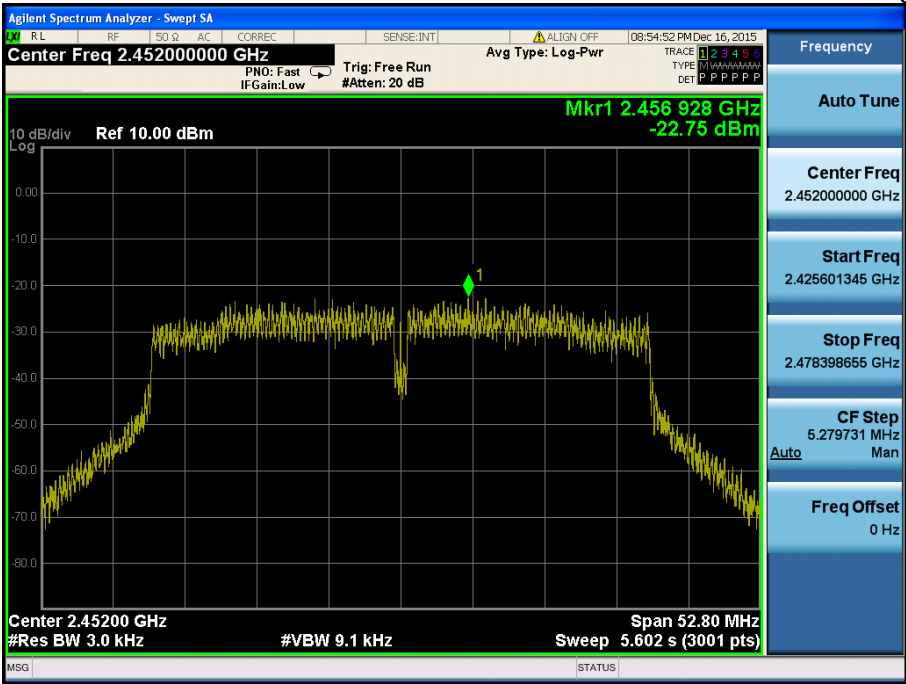
TM 6 & ANT 1 & Middle





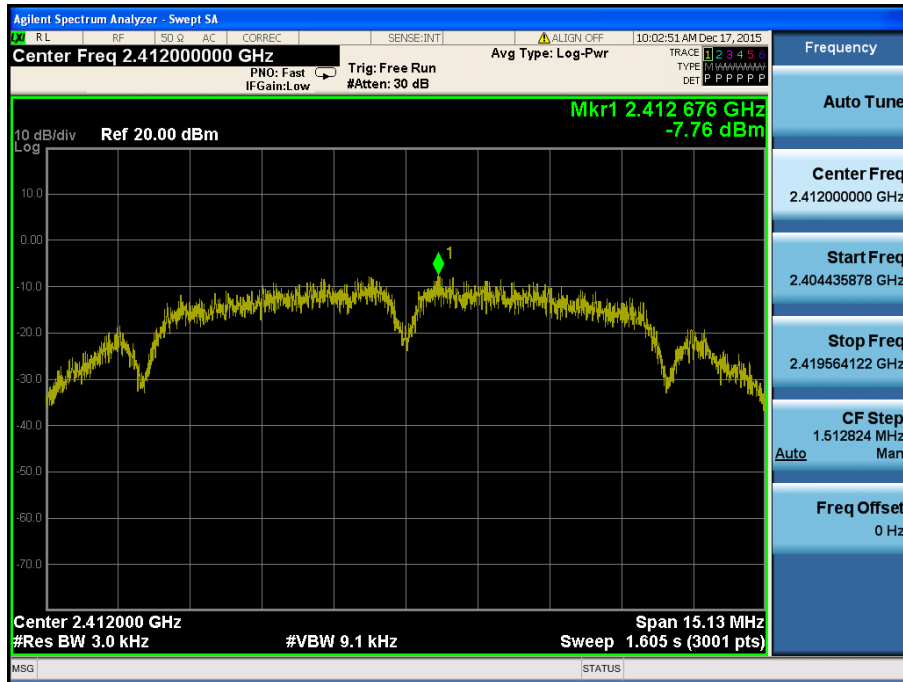
Maximum PPSD

TM 6 & ANT 1 & Highest



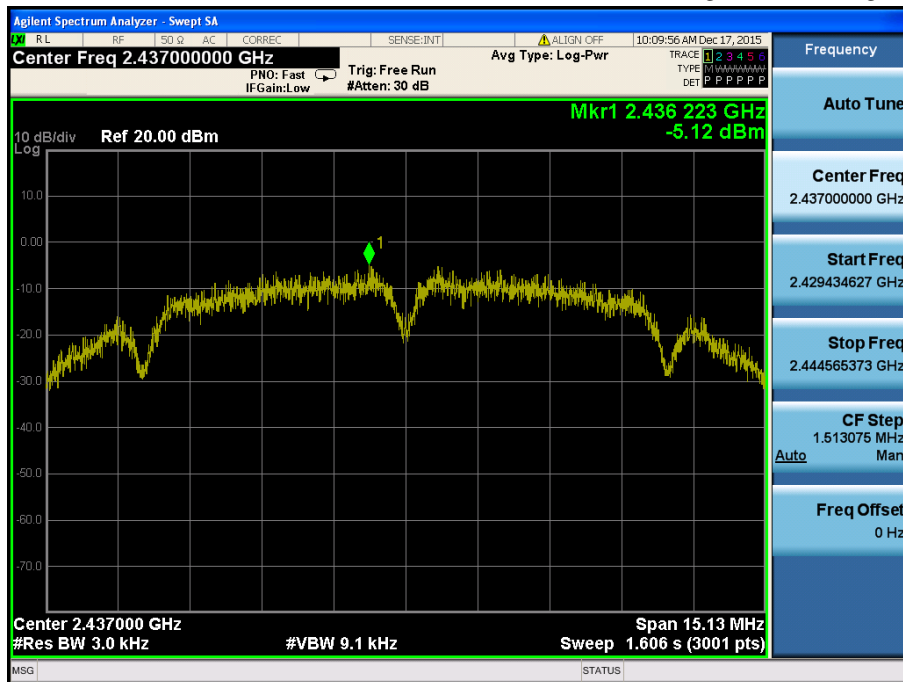
Maximum PPSD

TM 1 & ANT 2 & Lowest



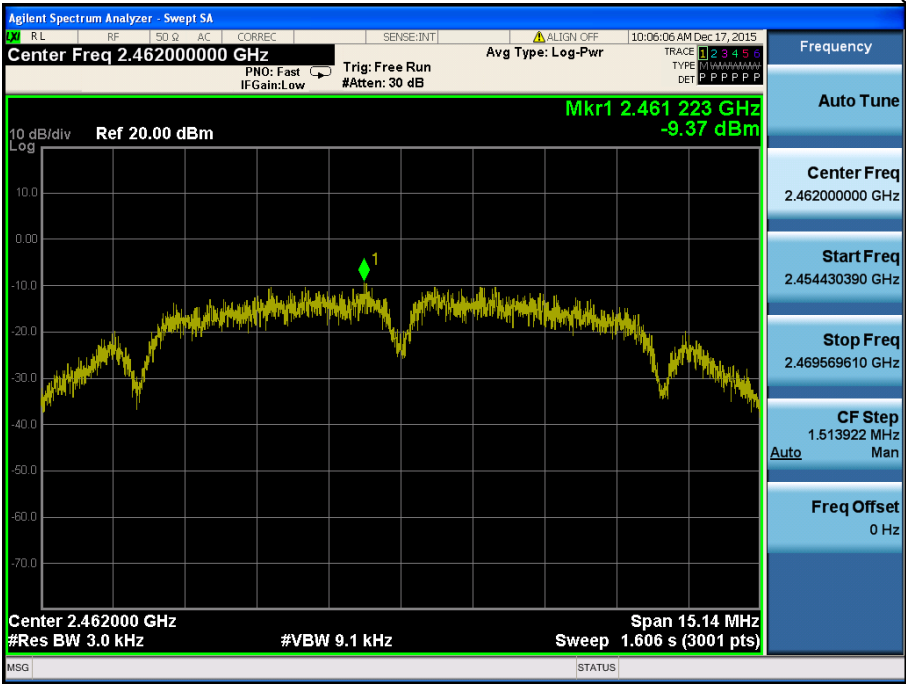
Maximum PPSD

TM 1 & ANT 2 & Middle



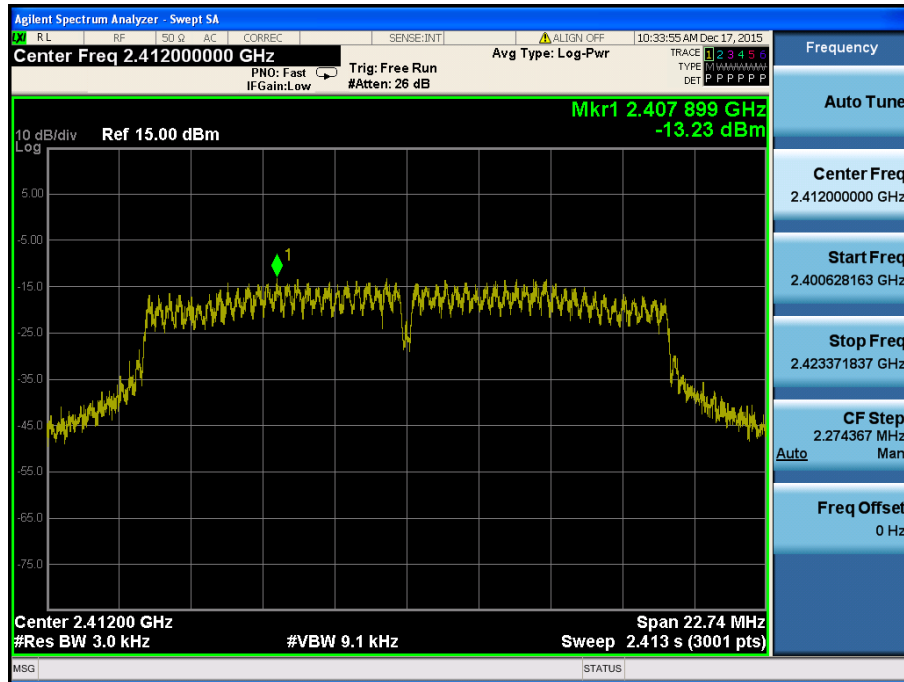


Maximum PPSD TM 1 & ANT 2 & Highest



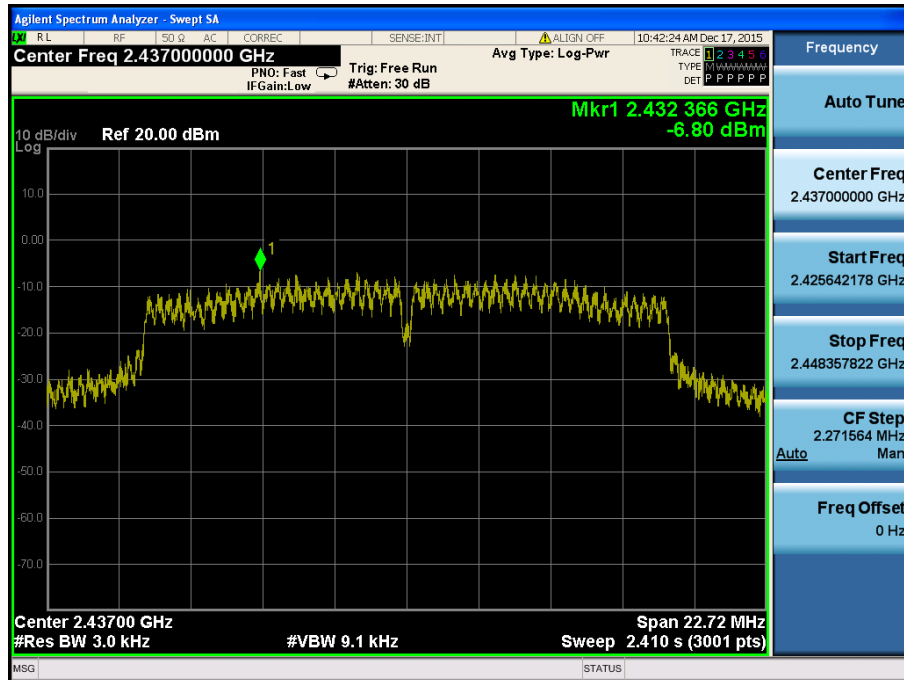
Maximum PPSD

TM 2 & ANT 2 & Lowest



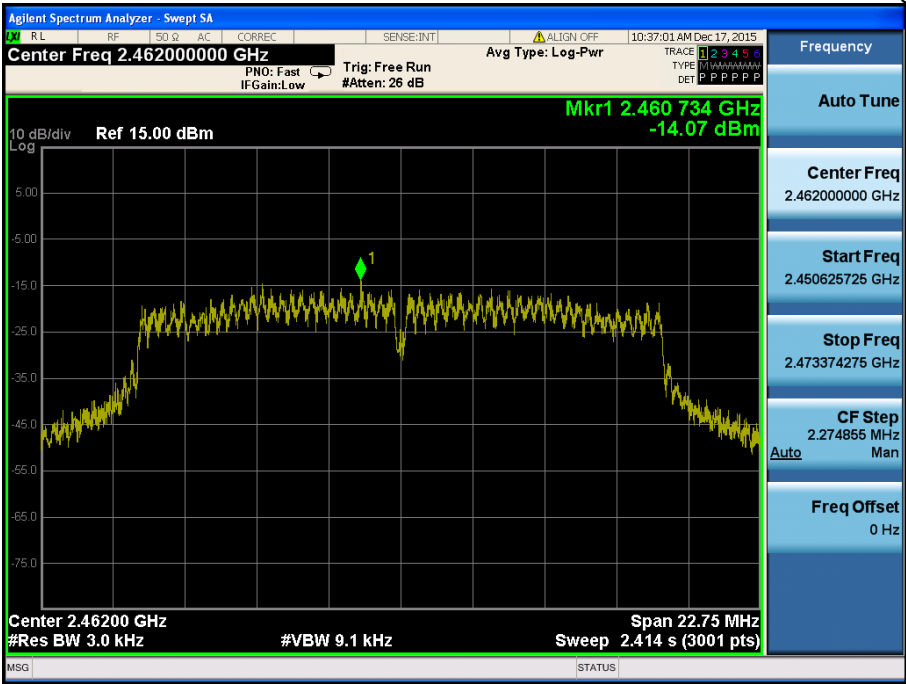
Maximum PPSD

TM 2 & ANT 2 & Middle



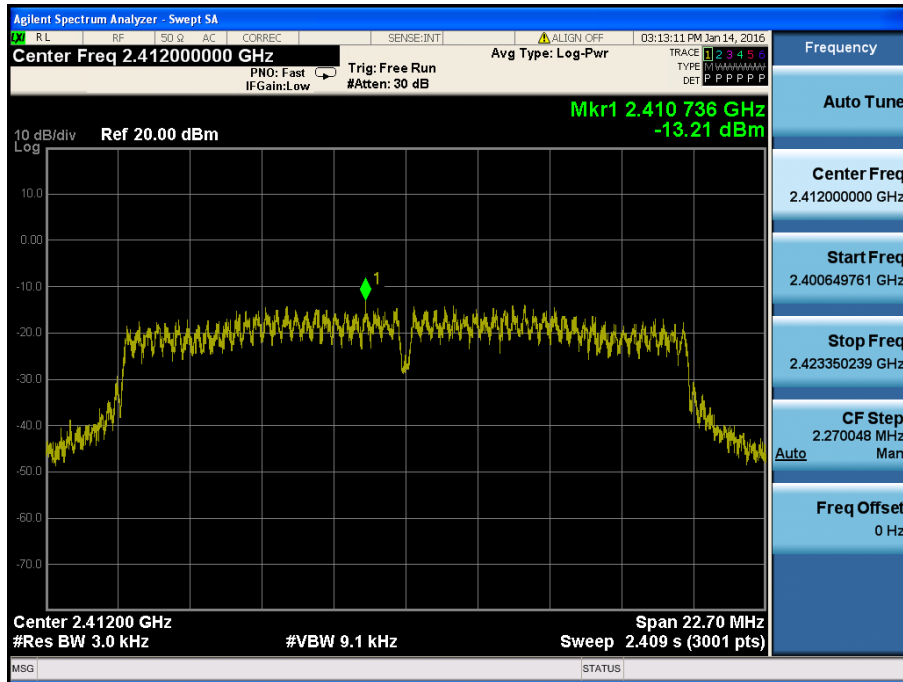


Maximum PPSD TM 2 & ANT 2 & Highest



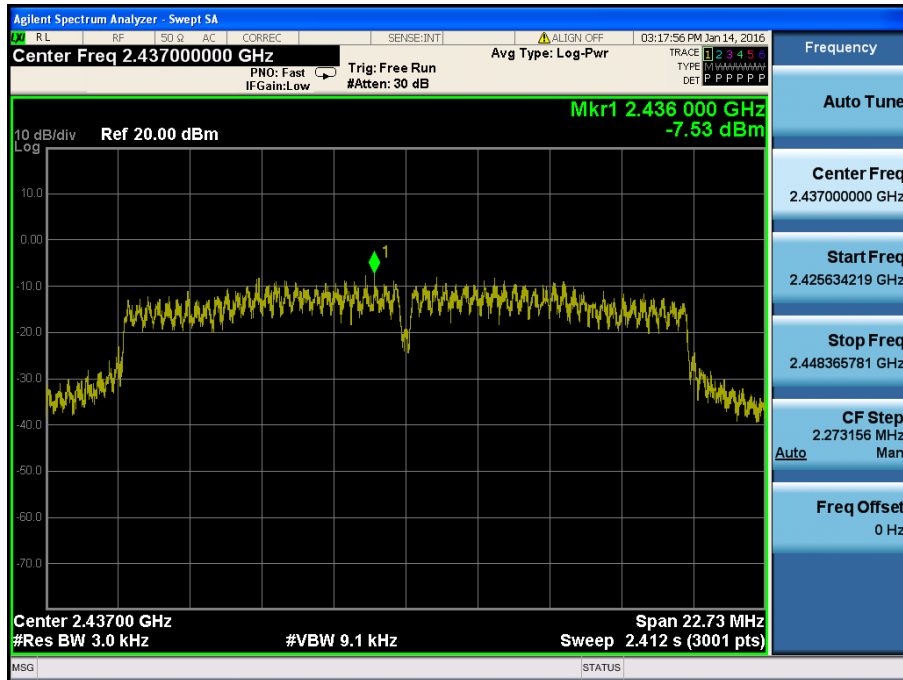
Maximum PPSD

TM 3 & ANT 2 & Lowest



Maximum PPSD

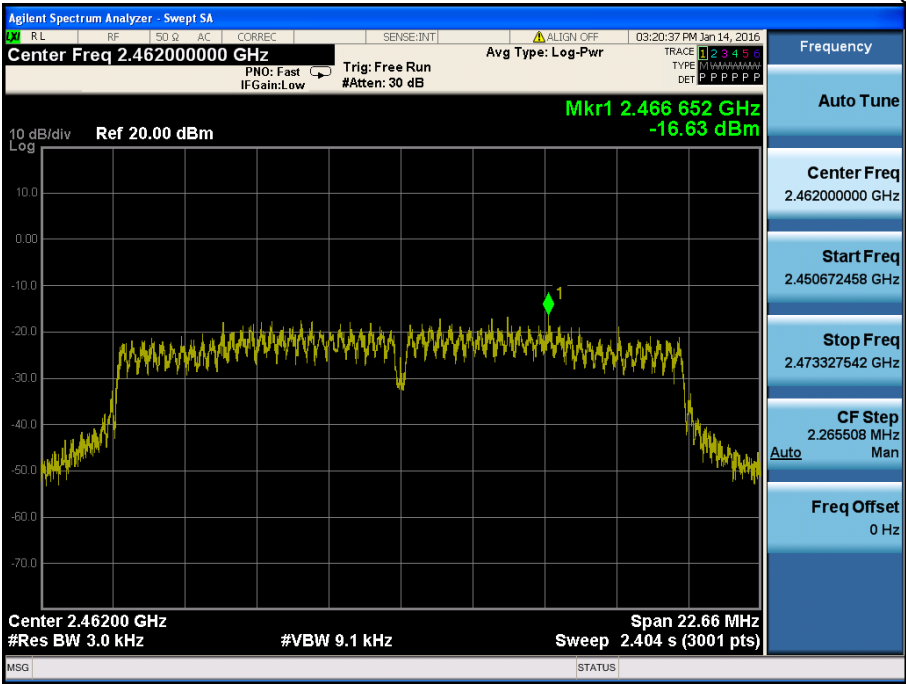
TM 3 & ANT 2 & Middle





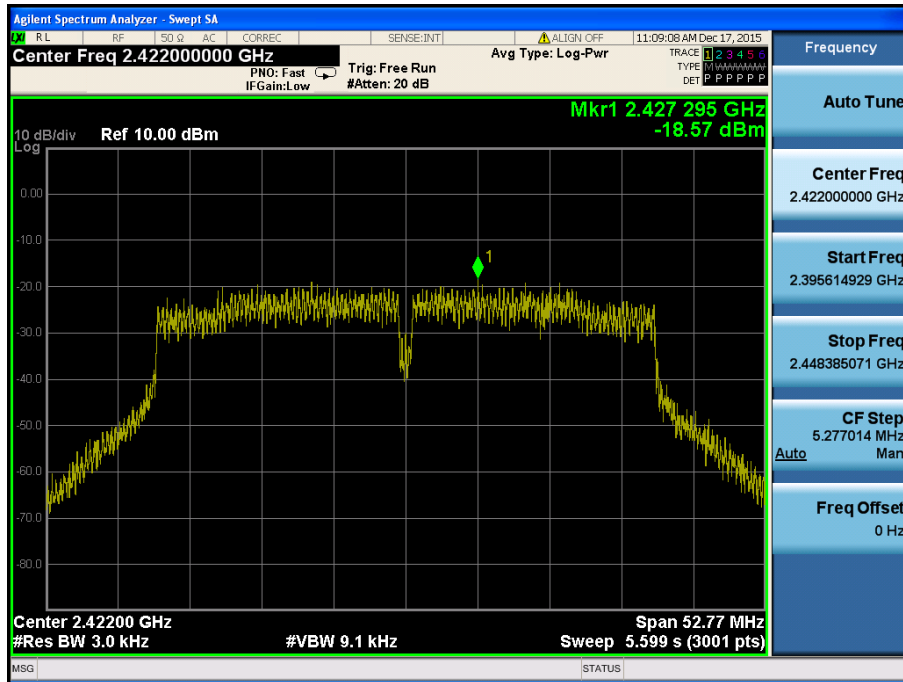
Maximum PPSD

TM 3 & ANT 2 & Highest



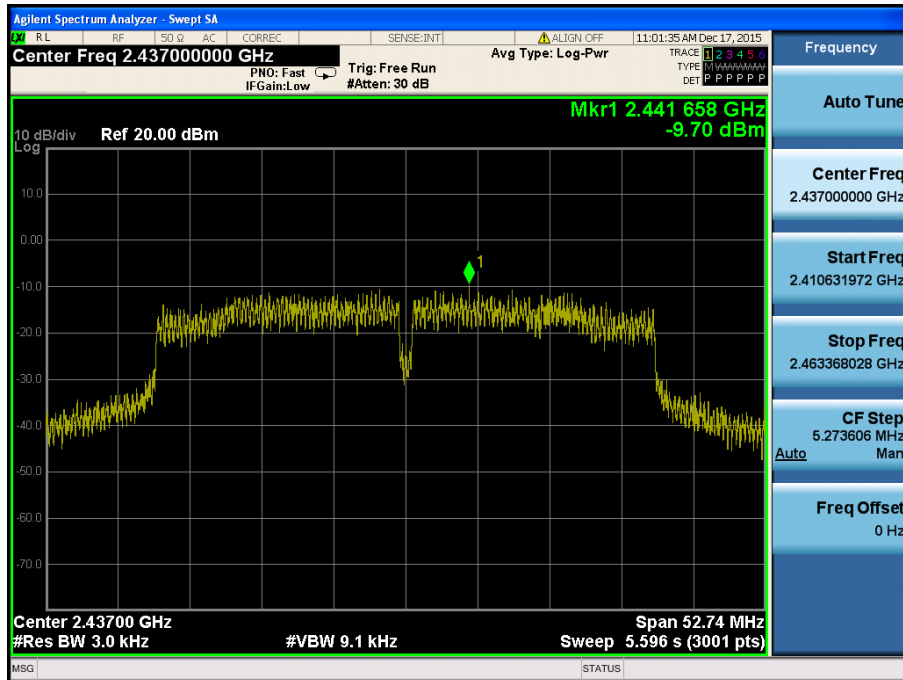
Maximum PPSD

TM 4 & ANT 2 & Lowest



Maximum PPSD

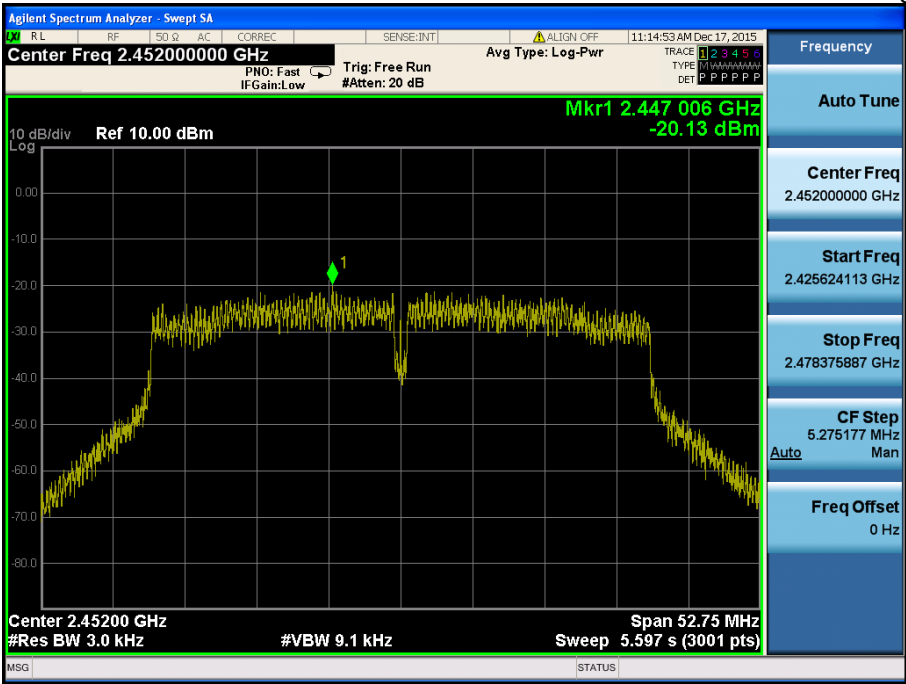
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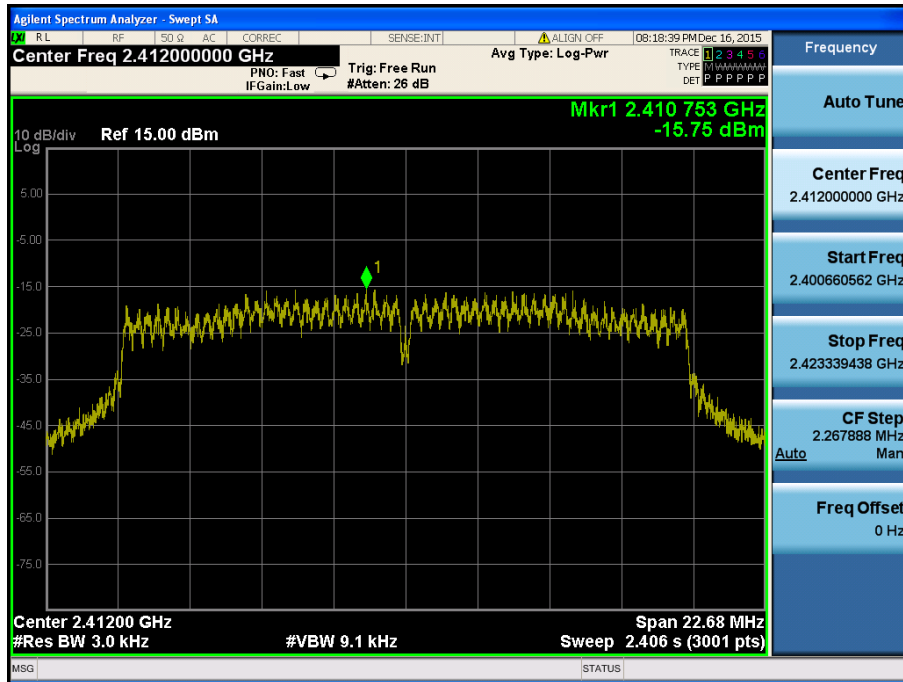
Maximum PPSD

TM 4 & ANT 2 & Highest



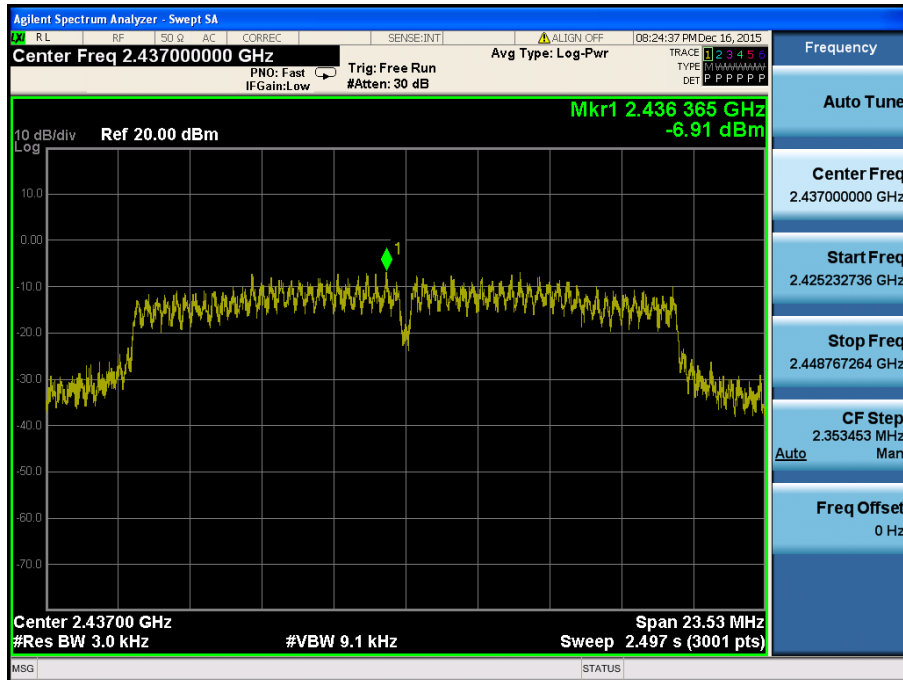
Maximum PPSD

TM 5 & ANT 2 & Lowest



Maximum PPSD

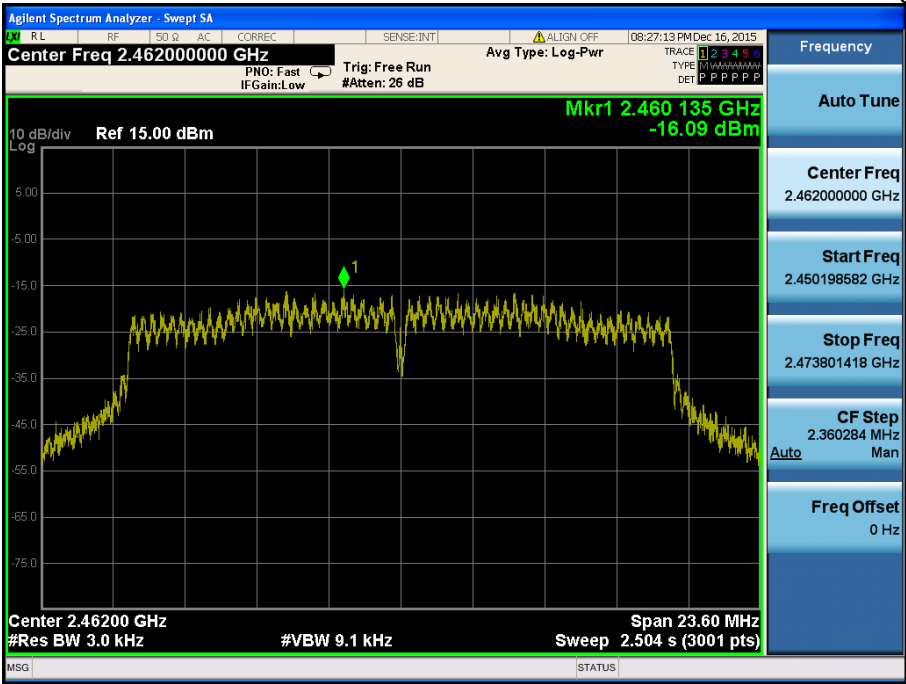
TM 5 & ANT 2 & Middle





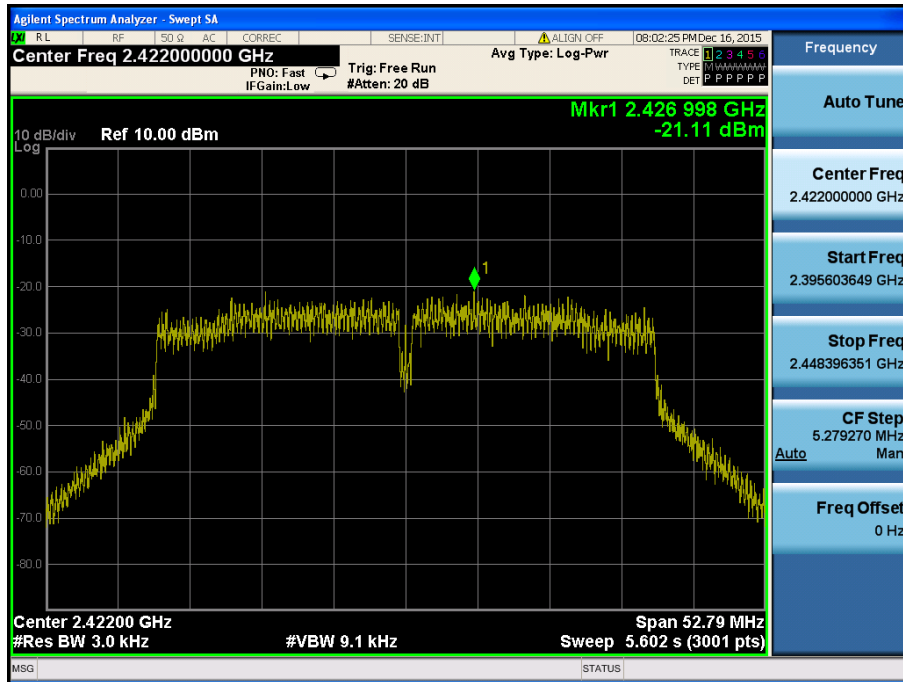
Maximum PPSD

TM 5 & ANT 2 & Highest



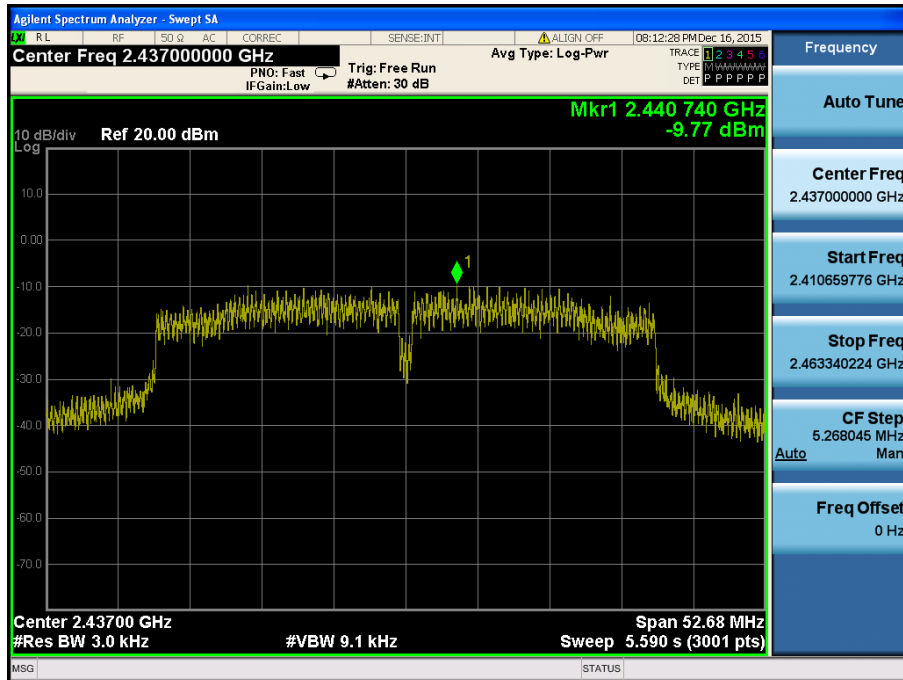
Maximum PPSD

TM 6 & ANT 2 & Lowest



Maximum PPSD

TM 6 & ANT 2 & Middle





Maximum PPSD

TM 6 & ANT 2 & Highest

