



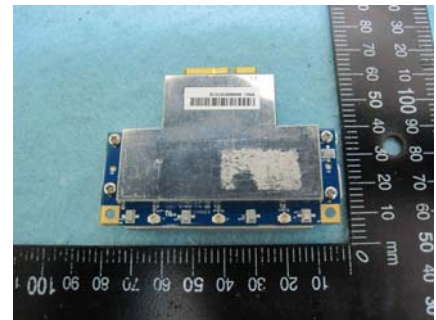
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FCC RADIO TEST REPORT

Applicant's company	Motorola Solutions, Inc.
Applicant Address	One Motorola Plaza Holtsville, NY 11742 USA
FCC ID	UZ7RAAP800
Manufacturer's company	Wistron NeWeb Corporation
Manufacturer Address	20 Park Avenue II, Hsinchu Science Park, Hsinchu 308, Taiwan, R.O.C.

Product Name	802.11ac Module
Brand Name	MOTOROLA
Model No.	RAAP-800
Test Rule Part(s)	47 CFR FCC Part 15 Subpart E § 15.407
Test Freq. Range	5250 ~ 5350MHz / 5470 ~ 5725MHz
Received Date	Apr. 02, 2012
Final Test Date	Sep. 28, 2013
Submission Type	Class II Change
Operating Mode	Master



Statement

Test result included is for the IEEE 802.11n and IEEE 802.11a/ac (5250 ~ 5350MHz / 5470 ~ 5725MHz) of the product.

The test result in this report refers exclusively to the presented test model / sample.

Without written approval of SPORTON International Inc., the test report shall not be reproduced except in full.

The measurements and test results shown in this test report were made in accordance with the procedures and found in compliance with the limit given in ANSI C63.10-2009, 47 CFR FCC Part 15 Subpart E, KDB 789033 D01 v01r03 and KDB 662911 D01 v02.

The test equipment used to perform the test is calibrated and traceable to NML/ROC.



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History of This Test Report

REPORT NO.	VERSION	DESCRIPTION	ISSUED DATE
FR341810-01	Rev. 01	Initial issue of report	Oct. 29, 2013



1. CERTIFICATE OF COMPLIANCE

Product Name : 802.11ac Module
Brand Name : MOTOROLA
Model No. : RAAP-800
Applicant : Motorola Solutions, Inc.
Test Rule Part(s) : 47 CFR FCC Part 15 Subpart E § 15.407

Sporton International as requested by the applicant to evaluate the EMC performance of the product sample received on Apr. 02, 2012 would like to declare that the tested sample has been evaluated and found to be in compliance with the tested rule parts. The data recorded as well as the test configuration specified is true and accurate for showing the sample's EMC nature.

A handwritten signature in blue ink that reads 'Sam Chen'.

Sam Chen

SPORTON INTERNATIONAL INC.

2. SUMMARY OF THE TEST RESULT

Applied Standard: 47 CFR FCC Part 15 Subpart E				
Part	Rule Section	Description of Test	Result	Under Limit
4.1	15.207	AC Power Line Conducted Emissions	Complies	18.81 dB
4.2	15.407(a)	26dB Spectrum Bandwidth & 99% Occupied Bandwidth	Complies	-
4.3	15.407(a)	Maximum Conducted Output Power	Complies	0.02 dB
4.4	15.407(a)	Power Spectral Density	Complies	0.01 dB
4.5	15.407(a)	Peak Excursion	Complies	12.55 dB
4.6	15.407(b)	Radiated Emissions	Complies	3.13 dB
4.7	15.407(b)	Band Edge Emissions	Complies	1.00 dB
4.8	15.407(g)	Frequency Stability	Complies	-
4.9	15.203	Antenna Requirements	Complies	-

Test Items	Uncertainty	Remark
AC Power Line Conducted Emissions	±2.3dB	Confidence levels of 95%
Maximum Conducted Output Power	±0.5dB	Confidence levels of 95%
Power Spectral Density	±0.5dB	Confidence levels of 95%
Peak Excursion	±0.5dB	Confidence levels of 95%
26dB Spectrum Bandwidth / Frequency Stability	±8.5×10 ⁻⁸	Confidence levels of 95%
Radiated Emissions (9kHz~30MHz)	±0.8dB	Confidence levels of 95%
Radiated Emissions (30MHz~1000MHz)	±1.9dB	Confidence levels of 95%
Radiated / Band Edge Emissions (1GHz~18GHz)	±1.9dB	Confidence levels of 95%
Radiated Emissions (18GHz~40GHz)	±1.9dB	Confidence levels of 95%
Temperature	±0.7°C	Confidence levels of 95%
Humidity	±3.2%	Confidence levels of 95%
DC / AC Power Source	±1.4%	Confidence levels of 95%

3. GENERAL INFORMATION

3.1. Product Details

IEEE 802.11n/ac

Items	Description
Product Type	WLAN (1/2/3TX, 3RX)
Radio Type	Intentional Transceiver
Power Type	From Host System
Modulation	see the below table for IEEE 802.11n/ac
Data Modulation	For 802.11n: OFDM (BPSK / QPSK / 16QAM / 64QAM) For 802.11ac: OFDM (BPSK / QPSK / 16QAM / 64QAM / 256QAM)
Data Rate (Mbps)	see the below table for IEEE 802.11n/ac
Frequency Range	5250 ~ 5350MHz / 5470 ~ 5725MHz
Channel Number	12 for 20MHz bandwidth ; 5 for 40MHz bandwidth 2 for 80MHz bandwidth
Channel Band Width (99%)	<p>Mode 1 (Ant.1 Dipole antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 36.16 MHz; MCS0/Nss1 (VHT80) : 76.16 MHz; MCS0/Nss2 (VHT20) : 17.92 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz; MCS0/Nss3 (VHT20) : 18.08 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Band 3:</p> <p>1TX : MCS0/Nss1 (VHT20) : 18.40 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz;</p>

	<p>MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.88 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT40) : 36.16 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT80) : 75.52 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT20) : 18.24 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT80) : 76.80 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 19.20 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT80) : 76.16 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT20) : 18.08 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT80) : 76.80 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss3 (VHT20) : 18.24 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss3 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Mode 2 (Ant.3 Panel antenna / 12.5dBi)</p> <p>Band 2:</p> <p>1TX : MCS0/Nss1 (VHT20) : 18.24 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT80) : 76.16 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.72 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT40) : 36.16 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT80) : 74.88 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT20) : 18.24 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT80) : 76.16 MHz</p> <p>Band 3:</p> <p>1TX : MCS0/Nss1 (VHT20) : 18.24 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.72 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT40) : 37.12 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss1 (VHT80) : 76.80 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT20) : 18.24 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT40) : 36.48 MHz;</p> <p style="padding-left: 20px;">MCS0/Nss2 (VHT80) : 76.80 MHz</p>
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	<p>Mode 3 (Ant.4 Yagi antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.56 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.16 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz; MCS0/Nss1 (VHT80) : 75.52 MHz; MCS0/Nss2 (VHT20) : 18.08 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz; MCS0/Nss3 (VHT20) : 18.24 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Band 3:</p> <p>1TX : MCS0/Nss1 (VHT20) : 18.40 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 19.04 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz; MCS0/Nss1 (VHT80) : 76.16 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz; MCS0/Nss3 (VHT20) : 18.24 MHz; MCS0/Nss3 (VHT40) : 36.80 MHz;</p>
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	<p>MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Mode 4 (Ant.5 Patch antenna / 2.3dBi)</p> <p>Band 2:</p> <p>1TX : MCS0/Nss1 (VHT20) : 20.48 MHz; MCS0/Nss1 (VHT40) : 37.44 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 17.92 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz; MCS0/Nss1 (VHT80) : 75.52 MHz; MCS0/Nss2 (VHT20) : 18.40 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz; MCS0/Nss3 (VHT20) : 18.08 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Band 3:</p> <p>1TX : MCS0/Nss1 (VHT20) : 19.04 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.16 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 19.36 MHz; MCS0/Nss1 (VHT40) : 37.44 MHz; MCS0/Nss1 (VHT80) : 76.16 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz; MCS0/Nss3 (VHT20) : 18.08 MHz;</p>
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	<p>MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Mode 5 (Ant.6 Facade antenna / 2.5dBi)</p> <p>Band 2:</p> <p>1TX : MCS0/Nss1 (VHT20) : 20.48 MHz; MCS0/Nss1 (VHT40) : 37.44 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 16.96 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 73.60 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.80 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 19.04 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz; MCS0/Nss1 (VHT80) : 75.52 MHz; MCS0/Nss2 (VHT20) : 18.40 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz; MCS0/Nss3 (VHT20) : 18.08 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Band 3:</p> <p>1TX : MCS0/Nss1 (VHT20) : 19.04 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.88 MHz; MCS0/Nss1 (VHT40) : 37.12 MHz; MCS0/Nss1 (VHT80) : 75.52 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 17.76 MHz; MCS0/Nss1 (VHT40) : 37.44 MHz; MCS0/Nss1 (VHT80) : 76.16 MHz; MCS0/Nss2 (VHT20) : 18.08 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz;</p>
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	<p>MCS0/Nss3 (VHT20) : 18.08 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Mode 6 (Ant.9 Panel antenna / 9.2dBi)</p> <p>Band 2:</p> <p>3TX : MCS0/Nss1 (VHT20) : 19.04 MHz; MCS0/Nss1 (VHT40) : 36.16 MHz; MCS0/Nss1 (VHT80) : 75.52 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.80 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz; MCS0/Nss3 (VHT20) : 18.24 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.80 MHz</p> <p>Band 3:</p> <p>3TX : MCS0/Nss1 (VHT20) :19.20 MHz; MCS0/Nss1 (VHT40) : 37.76 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz; MCS0/Nss3 (VHT20) : 18.24 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.16 MHz</p> <p>Mode 7 (Ant.10 PIFA antenna / 5.3dBi)</p> <p>Band 2:</p> <p>1TX : MCS0/Nss1 (VHT20) : 20.80 MHz; MCS0/Nss1 (VHT40) : 36.80 MHz; MCS0/Nss1 (VHT80) : 76.32 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.40 MHz; MCS0/Nss1 (VHT40) : 36.80 MHz; MCS0/Nss1 (VHT80) : 76.32 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.32 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 18.72 MHz; MCS0/Nss1 (VHT40) : 36.48 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz;</p>
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	<p>MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.80 MHz; MCS0/Nss2 (VHT80) : 76.80 MHz; MCS0/Nss3 (VHT20) : 18.24 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.80 MHz</p> <p>Band 3:</p> <p>1TX : MCS0/Nss1 (VHT20) : 19.36 MHz; MCS0/Nss1 (VHT40) : 37.44 MHz; MCS0/Nss1 (VHT80) : 76.32 MHz</p> <p>2TX : MCS0/Nss1 (VHT20) : 18.72 MHz; MCS0/Nss1 (VHT40) : 36.80 MHz; MCS0/Nss1 (VHT80) : 77.04 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.32 MHz</p> <p>3TX : MCS0/Nss1 (VHT20) : 18.40 MHz; MCS0/Nss1 (VHT40) : 36.80 MHz; MCS0/Nss1 (VHT80) : 76.80 MHz; MCS0/Nss2 (VHT20) : 18.24 MHz; MCS0/Nss2 (VHT40) : 36.48 MHz; MCS0/Nss2 (VHT80) : 76.16 MHz; MCS0/Nss3 (VHT20) : 18.08 MHz; MCS0/Nss3 (VHT40) : 36.48 MHz; MCS0/Nss3 (VHT80) : 76.80 MHz</p>
<p>Maximum Conducted Output Power</p>	<p>For TPC function</p> <p>Mode 1 (Ant.1 Dipole antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 21.82 dBm; MCS0 (HT40) : 21.96 dBm; MCS0/Nss1 (VHT20) : 21.99 dBm; MCS0/Nss1 (VHT40) : 21.62 dBm; MCS0/Nss1 (VHT80) : 12.22 dBm</p> <p>2TX : MCS0 (HT20) : 19.24 dBm; MCS0 (HT40) : 21.90 dBm; MCS8 (HT20) : 21.85 dBm; MCS8 (HT40) : 21.81 dBm; MCS0/Nss1 (VHT20) : 19.17 dBm;</p>

	<p>MCS0/Nss1 (VHT40) : 21.96 dBm; MCS0/Nss1 (VHT80) : 13.43 dBm; MCS0/Nss2 (VHT20) : 21.82 dBm; MCS0/Nss2 (VHT40) : 21.80 dBm; MCS0/Nss2 (VHT80) : 13.77dBm</p> <p>3TX : MCS0 (HT20) : 17.47 dBm; MCS0 (HT40) : 20.53 dBm; MCS8 (HT20) : 20.92 dBm; MCS8 (HT40) : 19.09 dBm; MCS16 (HT20) : 21.96 dBm; MCS16 (HT40) : 21.87 dBm; MCS0/Nss1 (VHT20) : 17.43 dBm; MCS0/Nss1 (VHT40) : 20.81dBm; MCS0/Nss1 (VHT80) : 9.44 dBm; MCS0/Nss2 (VHT20) : 20.74 dBm; MCS0/Nss2 (VHT40) : 21.68 dBm; MCS0/Nss2 (VHT80) : 14.82 dBm; MCS0/Nss3 (VHT20) : 21.80 dBm; MCS0/Nss3 (VHT40) : 21.79 dBm; MCS0/Nss3 (VHT80) : 14.22 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 21.71 dBm; MCS0 (HT40) : 21.74 dBm; MCS0/Nss1 (VHT20) : 21.62 dBm; MCS0/Nss1 (VHT40) : 21.93 dBm; MCS0/Nss1 (VHT80) : 9.09 dBm</p> <p>2TX : MCS0 (HT20) : 18.95 dBm; MCS0 (HT40) : 21.62 dBm; MCS8 (HT20) : 21.84 dBm; MCS8 (HT40) : 21.75 dBm; MCS0/Nss1 (VHT20) : 18.85 dBm; MCS0/Nss1 (VHT40) : 21.91 dBm; MCS0/Nss1 (VHT80) : 10.53 dBm; MCS0/Nss2 (VHT20) : 21.84 dBm; MCS0/Nss2 (VHT40) : 21.87 dBm; MCS0/Nss2 (VHT80) : 12.90 dBm</p> <p>3TX : MCS0 (HT20) : 17.56 dBm; MCS0 (HT40) : 20.65 dBm;</p>
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	<p>MCS8 (HT20) : 20.59 dBm; MCS8 (HT40) : 21.81 dBm; MCS16 (HT20) : 21.56 dBm; MCS16 (HT40) : 21.85 dBm; MCS0/Nss1 (VHT20) : 17.47 dBm; MCS0/Nss1 (VHT40) : 20.74 dBm; MCS0/Nss1 (VHT80) : 13.17 dBm; MCS0/Nss2 (VHT20) : 20.33 dBm; MCS0/Nss2 (VHT40) : 21.96 dBm; MCS0/Nss2 (VHT80) : 14.01 dBm; MCS0/Nss3 (VHT20) : 21.77 dBm; MCS0/Nss3 (VHT40) : 21.78 dBm; MCS0/Nss3 (VHT80) : 11.45 dBm</p> <p>Mode 2 (Ant.3 Panel antenna / 12.5dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 17.12 dBm; MCS0 (HT40) : 17.16 dBm; MCS0/Nss1 (VHT20) : 17.32 dBm; MCS0/Nss1 (VHT40) : 17.32 dBm; MCS0/Nss1 (VHT80) : 2.78 dBm;</p> <p>2TX : MCS0 (HT20) : 14.41 dBm; MCS0 (HT40) : 17.18 dBm; MCS8 (HT20) : 17.07 dBm; MCS8 (HT40) : 16.97 dBm; MCS0/Nss1 (VHT20) : 14.39 dBm; MCS0/Nss1 (VHT40) : 17.12 dBm; MCS0/Nss1 (VHT80) : 4.30 dBm; MCS0/Nss2 (VHT20) : 17.17 dBm; MCS0/Nss2 (VHT40) : 17.06 dBm; MCS0/Nss2 (VHT80) : 4.32 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 17.12 dBm; MCS0 (HT40) : 17.21 dBm; MCS0/Nss1 (VHT20) : 17.22 dBm; MCS0/Nss1 (VHT40) : 17.42 dBm; MCS0/Nss1 (VHT80) : 3.41 dBm</p> <p>2TX : MCS0 (HT20) : 14.38 dBm; MCS0 (HT40) : 17.48 dBm;</p>
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	<p>MCS8 (HT20) : 17.24 dBm; MCS8 (HT40) : 17.30 dBm; MCS0/Nss1 (VHT20) : 14.32 dBm; MCS0/Nss1 (VHT40) : 17.39 dBm; MCS0/Nss1 (VHT80) : 4.04 dBm; MCS0/Nss2 (VHT20) : 17.30 dBm; MCS0/Nss2 (VHT40) : 17.42 dBm; MCS0/Nss2 (VHT80) : 4.07 dBm</p> <p>Mode 3 (Ant.4 Yagi antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 21.82 dBm; MCS0 (HT40) : 21.96 dBm; MCS0/Nss1 (VHT20) : 21.99 dBm; MCS0/Nss1 (VHT40) : 21.62 dBm; MCS0/Nss1 (VHT80) : 7.68 dBm</p> <p>2TX : MCS0 (HT20) : 18.85 dBm; MCS0 (HT40) : 21.90 dBm; MCS8 (HT20) : 21.79 dBm; MCS8 (HT40) : 21.81 dBm; MCS0/Nss1 (VHT20) : 18.79 dBm; MCS0/Nss1 (VHT40) : 21.96 dBm; MCS0/Nss1 (VHT80) : 7.39 dBm; MCS0/Nss2 (VHT20) : 21.78 dBm; MCS0/Nss2 (VHT40) : 21.80 dBm; MCS0/Nss2 (VHT80) : 7.64 dBm</p> <p>3TX : MCS0 (HT20) : 17.47 dBm; MCS0 (HT40) : 20.53 dBm; MCS8 (HT20) : 20.92 dBm; MCS8 (HT40) : 21.72 dBm; MCS16 (HT20) : 21.96 dBm; MCS16 (HT40) : 21.87 dBm; MCS0/Nss1 (VHT20) : 17.43 dBm; MCS0/Nss1 (VHT40) : 20.81 dBm; MCS0/Nss1 (VHT80) : 7.95 dBm; MCS0/Nss2 (VHT20) : 20.74 dBm; MCS0/Nss2 (VHT40) : 21.68 dBm; MCS0/Nss2 (VHT80) : 8.35 dBm; MCS0/Nss3 (VHT20) : 21.66 dBm;</p>
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	<p>MCS0/Nss3 (VHT40) : 21.79 dBm; MCS0/Nss3 (VHT80) : 8.81 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 21.71 dBm; MCS0 (HT40) : 21.74 dBm; MCS0/Nss1 (VHT20) : 21.62 dBm; MCS0/Nss1 (VHT40) : 21.93 dBm; MCS0/Nss1 (VHT80) : 12.55 dBm</p> <p>2TX : MCS0 (HT20) : 18.95 dBm; MCS0 (HT40) : 21.62 dBm; MCS8 (HT20) : 21.84 dBm; MCS8 (HT40) : 21.75 dBm; MCS0/Nss1 (VHT20) : 18.85 dBm; MCS0/Nss1 (VHT40) : 21.91 dBm; MCS0/Nss1 (VHT80) : 7.95 dBm; MCS0/Nss2 (VHT20) : 21.84 dBm; MCS0/Nss2 (VHT40) : 21.87 dBm; MCS0/Nss2 (VHT80) : 11.93 dBm</p> <p>3TX : MCS0 (HT20) : 17.47 dBm; MCS0 (HT40) : 20.65 dBm; MCS8 (HT20) : 20.59 dBm; MCS8 (HT40) : 21.81 dBm; MCS16 (HT20) : 21.56 dBm; MCS16 (HT40) : 21.85 dBm; MCS0/Nss1 (VHT20) : 17.32 dBm; MCS0/Nss1 (VHT40) : 20.74 dBm; MCS0/Nss1 (VHT80) : 8.13 dBm; MCS0/Nss2 (VHT20) : 20.33 dBm; MCS0/Nss2 (VHT40) : 21.96 dBm; MCS0/Nss2 (VHT80) : 12.99 dBm; MCS0/Nss3 (VHT20) : 21.77 dBm; MCS0/Nss3 (VHT40) : 21.78 dBm; MCS0/Nss3 (VHT80) : 12.40 dBm</p> <p>Mode 4 (Ant.5 Patch antenna / 2.3dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 23.81 dBm; MCS0 (HT40) : 22.81 dBm; MCS0/Nss1 (VHT20) : 23.67 dBm;</p>
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	<p>MCS0/Nss1 (VHT40) : 22.84 dBm; MCS0/Nss1 (VHT80) : 12.75 dBm</p> <p>2TX : MCS0 (HT20) : 23.61 dBm; MCS0 (HT40) : 23.48 dBm; MCS8 (HT20) : 23.75 dBm; MCS8 (HT40) : 23.85 dBm; MCS0/Nss1 (VHT20) : 23.98 dBm; MCS0/Nss1 (VHT40) : 23.71 dBm; MCS0/Nss1 (VHT80) : 9.21 dBm; MCS0/Nss2 (VHT20) : 23.83 dBm; MCS0/Nss2 (VHT40) : 23.75 dBm; MCS0/Nss2 (VHT80) : 12.12 dBm</p> <p>3TX : MCS0 (HT20) : 23.78 dBm; MCS0 (HT40) : 23.60 dBm; MCS8 (HT20) : 23.74 dBm; MCS8 (HT40) : 23.80 dBm; MCS16 (HT20) : 23.65 dBm; MCS16 (HT40) : 23.76 dBm; MCS0/Nss1 (VHT20) : 23.42 dBm; MCS0/Nss1 (VHT40) : 23.63 dBm; MCS0/Nss1 (VHT80) : 8.92 dBm; MCS0/Nss2 (VHT20) : 23.97 dBm; MCS0/Nss2 (VHT40) : 23.86 dBm; MCS0/Nss2 (VHT80) : 11.29 dBm; MCS0/Nss3 (VHT20) : 23.96 dBm; MCS0/Nss3 (VHT40) : 23.71 dBm; MCS0/Nss3 (VHT80) : 13.43 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 23.83 dBm; MCS0 (HT40) : 23.77 dBm; MCS0/Nss1 (VHT20) : 23.92 dBm; MCS0/Nss1 (VHT40) : 23.38 dBm; MCS0/Nss1 (VHT80) : 11.81 dBm</p> <p>2TX : MCS0 (HT20) : 23.41 dBm; MCS0 (HT40) : 23.81 dBm; MCS8 (HT20) : 23.99 dBm; MCS8 (HT40) : 23.84 dBm; MCS0/Nss1 (VHT20) : 23.66 dBm;</p>
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	<p> MCS0/Nss1 (VHT40) : 23.83 dBm; MCS0/Nss1 (VHT80) : 9.58 dBm; MCS0/Nss2 (VHT20) : 23.90 dBm; MCS0/Nss2 (VHT40) : 23.76 dBm; MCS0/Nss2 (VHT80) : 12.86 dBm 3TX : MCS0 (HT20) : 23.05 dBm; MCS0 (HT40) : 23.85 dBm; MCS8 (HT20) : 23.95 dBm; MCS8 (HT40) : 23.98 dBm; MCS16 (HT20) : 23.82 dBm; MCS16 (HT40) : 23.97 dBm; MCS0/Nss1 (VHT20) : 23 dBm; MCS0/Nss1 (VHT40) : 23.90 dBm; MCS0/Nss1 (VHT80) : 10.33 dBm; MCS0/Nss2 (VHT20) : 23.92 dBm; MCS0/Nss2 (VHT40) : 23.98 dBm; MCS0/Nss2 (VHT80) : 14.16 dBm; MCS0/Nss3 (VHT20) : 23.78 dBm; MCS0/Nss3 (VHT40) : 23.89 dBm; MCS0/Nss3 (VHT80) : 12.71 dBm Mode 5 (Ant.6 Facade antenna / 2.5dBi) Band 2: 1TX : MCS0 (HT20) : 23.81 dBm; MCS0 (HT40) : 22.81 dBm; MCS0/Nss1 (VHT20) : 23.67 dBm; MCS0/Nss1 (VHT40) : 22.84 dBm; MCS0/Nss1 (VHT80) : 16.17 dBm 2TX : MCS0 (HT20) : 23.61 dBm; MCS0 (HT40) : 23.48 dBm; MCS8 (HT20) : 23.91 dBm; MCS8 (HT40) : 23.85 dBm; MCS0/Nss1 (VHT20) : 23.98 dBm; MCS0/Nss1 (VHT40) : 23.71 dBm; MCS0/Nss1 (VHT80) : 11.90 dBm; MCS0/Nss2 (VHT20) : 23.83 dBm; MCS0/Nss2 (VHT40) : 23.75 dBm; MCS0/Nss2 (VHT80) : 12.14 dBm 3TX : MCS0 (HT20) : 22.85 dBm; </p>
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	<p>MCS0 (HT40) : 23.60 dBm; MCS8 (HT20) : 23.74 dBm; MCS8 (HT40) : 23.80 dBm; MCS16 (HT20) : 23.65 dBm; MCS16 (HT40) : 23.76 dBm; MCS0/Nss1 (VHT20) : 22.87 dBm; MCS0/Nss1 (VHT40) : 23.63 dBm; MCS0/Nss1 (VHT80) : 13.45 dBm; MCS0/Nss2 (VHT20) : 23.97 dBm; MCS0/Nss2 (VHT40) : 23.86 dBm; MCS0/Nss2 (VHT80) : 17.72 dBm; MCS0/Nss3 (VHT20) : 23.78 dBm; MCS0/Nss3 (VHT40) : 23.89 dBm; MCS0/Nss3 (VHT80) : 16.90 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 23.83 dBm; MCS0 (HT40) : 23.77 dBm; MCS0/Nss1 (VHT20) : 23.92 dBm; MCS0/Nss1 (VHT40) : 23.38 dBm; MCS0/Nss1 (VHT80) : 12.31 dBm</p> <p>2TX : MCS0 (HT20) : 23.41 dBm; MCS0 (HT40) : 23.81 dBm; MCS8 (HT20) : 23.99 dBm; MCS8 (HT40) : 23.84 dBm; MCS0/Nss1 (VHT20) : 23.66 dBm; MCS0/Nss1 (VHT40) : 23.83 dBm; MCS0/Nss1 (VHT80) : 10.58 dBm; MCS0/Nss2 (VHT20) : 23.90 dBm; MCS0/Nss2 (VHT40) : 23.76 dBm; MCS0/Nss2 (VHT80) : 11.80 dBm</p> <p>3TX : MCS0 (HT20) : 23.05 dBm; MCS0 (HT40) : 23.85 dBm; MCS8 (HT20) : 23.95 dBm; MCS8 (HT40) : 23.98 dBm; MCS16 (HT20) : 23.82 dBm; MCS16 (HT40) : 23.97 dBm; MCS0/Nss1 (VHT20) : 23.00 dBm; MCS0/Nss1 (VHT40) : 23.90 dBm;</p>
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	<p>MCS0/Nss1 (VHT80) : 13.78 dBm; MCS0/Nss2 (VHT20) : 23.92 dBm; MCS0/Nss2 (VHT40) : 23.98 dBm; MCS0/Nss2 (VHT80) : 16.21 dBm; MCS0/Nss3 (VHT20) : 23.78 dBm; MCS0/Nss3 (VHT40) : 23.89 dBm; MCS0/Nss3 (VHT80) : 16.90 dBm</p> <p>Mode 6 (Ant.9 Panel antenna / 9.2dBi)</p> <p>Band 2:</p> <p>3TX : MCS0 (HT20) : 16.37 dBm; MCS0 (HT40) : 19.48 dBm; MCS8 (HT20) : 20.60 dBm; MCS8 (HT40) : 20.49 dBm; MCS16 (HT20) : 20.55 dBm; MCS16 (HT40) : 20.69 dBm; MCS0/Nss1 (VHT20) : 16.45 dBm; MCS0/Nss1 (VHT40) : 19.39 dBm; MCS0/Nss1 (VHT80) : 9.66 dBm; MCS0/Nss2 (VHT20) : 20.51 dBm; MCS0/Nss2 (VHT40) : 20.40 dBm; MCS0/Nss2 (VHT80) : 13.48 dBm; MCS0/Nss3 (VHT20) : 20.47 dBm; MCS0/Nss3 (VHT40) : 20.62 dBm; MCS0/Nss3 (VHT80) : 10.39 dBm</p> <p>Band 3:</p> <p>3TX : MCS0 (HT20) : 16.62 dBm; MCS0 (HT40) : 20.01 dBm; MCS8 (HT20) : 19.21 dBm; MCS8 (HT40) : 20.79 dBm; MCS16 (HT20) : 20.75 dBm; MCS16 (HT40) : 20.79 dBm; MCS0/Nss1 (VHT20) : 16.71 dBm; MCS0/Nss1 (VHT40) : 19.95 dBm; MCS0/Nss1 (VHT80) : 7.75 dBm; MCS0/Nss2 (VHT20) : 19.06 dBm; MCS0/Nss2 (VHT40) : 20.79 dBm; MCS0/Nss2 (VHT80) : 8.85 dBm; MCS0/Nss3 (VHT20) : 20.71 dBm;</p>
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	<p>MCS0/Nss3 (VHT40) : 20.79 dBm; MCS0/Nss3 (VHT80) : 8.36 dBm</p> <p>Mode 7 (Ant.10 PIFA antenna / 5.3dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 22.36 dBm; MCS0 (HT40) : 22.36 dBm; MCS0/Nss1 (VHT20) : 22.36 dBm; MCS0/Nss1 (VHT40) : 21.82 dBm; MCS0/Nss1 (VHT80) : 10.46 dBm</p> <p>2TX : MCS0 (HT20) :21.69 dBm; MCS0 (HT40) : 23.71 dBm; MCS8 (HT20) : 23.69 dBm; MCS8 (HT40) : 23.75 dBm; MCS0/Nss1 (VHT20) : 21.68 dBm; MCS0/Nss1 (VHT40) : 23.76 dBm; MCS0/Nss1 (VHT80) : 10.45 dBm; MCS0/Nss2 (VHT20) : 23.72 dBm; MCS0/Nss2 (VHT40) : 23.72 dBm; MCS0/Nss2 (VHT80) : 11.83 dBm</p> <p>3TX : MCS0 (HT20) : 20.18 dBm; MCS0 (HT40) : 22.88 dBm; MCS8 (HT20) : 23.09 dBm; MCS8 (HT40) : 23.58 dBm; MCS16 (HT20) : 23.54 dBm; MCS16 (HT40) : 23.87 dBm; MCS0/Nss1 (VHT20) : 20.39 dBm; MCS0/Nss1 (VHT40) : 22.86 dBm; MCS0/Nss1 (VHT80) : 8.56 dBm; MCS0/Nss2 (VHT20) : 23.12 dBm; MCS0/Nss2 (VHT40) : 23.73 dBm; MCS0/Nss2 (VHT80) : 11.12 dBm; MCS0/Nss3 (VHT20) : 23.61 dBm; MCS0/Nss3 (VHT40) : 23.98 dBm; MCS0/Nss3 (VHT80) : 15.56 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 22.92 dBm; MCS0 (HT40) : 22.76 dBm; MCS0/Nss1 (VHT20) : 23.01 dBm;</p>
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	<p>MCS0/Nss1 (VHT40) : 22.63 dBm; MCS0/Nss1 (VHT80) : 11.86 dBm</p> <p>2TX : MCS0 (HT20) : 21.20 dBm; MCS0 (HT40) : 23.25 dBm; MCS8 (HT20) : 23.61 dBm; MCS8 (HT40) : 23.95 dBm; MCS0/Nss1 (VHT20) : 21.47 dBm; MCS0/Nss1 (VHT40) : 23.60 dBm; MCS0/Nss1 (VHT80) : 6.67 dBm; MCS0/Nss2 (VHT20) : 23.98 dBm; MCS0/Nss2 (VHT40) : 23.97 dBm; MCS0/Nss2 (VHT80) : 10.39 dBm</p> <p>3TX : MCS0 (HT20) : 19.70 dBm; MCS0 (HT40) : 23.05 dBm; MCS8 (HT20) : 22.69 dBm; MCS8 (HT40) : 23.83 dBm; MCS16 (HT20) : 23.72 dBm; MCS16 (HT40) : 23.91 dBm; MCS0/Nss1 (VHT20) : 19.86 dBm; MCS0/Nss1 (VHT40) : 23.02 dBm; MCS0/Nss1 (VHT80) : 7.37 dBm; MCS0/Nss2 (VHT20) : 22.63 dBm; MCS0/Nss2 (VHT40) : 23.95 dBm; MCS0/Nss2 (VHT80) : 11.25 dBm; MCS0/Nss3 (VHT20) : 23.70 dBm; MCS0/Nss3 (VHT40) : 23.91 dBm; MCS0/Nss3 (VHT80) : 12.67 dBm</p> <p>For non-TPC function</p> <p>Mode 1 (Ant.1 Dipole antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 18.74 dBm; MCS0 (HT40) : 18.53 dBm; MCS0/Nss1 (VHT20) : 18.70 dBm; MCS0/Nss1 (VHT40) : 18.56 dBm; MCS0/Nss1 (VHT80) : 12.22 dBm</p> <p>2TX : MCS0 (HT20) : 18.97 dBm; MCS0 (HT40) : 18.94 dBm; MCS8 (HT20) : 18.95 dBm;</p>
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	<p> MCS8 (HT40) : 18.87dBm; MCS0/Nss1 (VHT20) :18.87 dBm; MCS0/Nss1 (VHT40) : 18.78 dBm; MCS0/Nss1 (VHT80) : 13.43 dBm; MCS0/Nss2 (VHT20) : 18.98 dBm; MCS0/Nss2 (VHT40) : 18.74 dBm; MCS0/Nss2 (VHT80) : 13.77dBm 3TX : MCS0 (HT20) : 17.47 dBm; MCS0 (HT40) : 18.77 dBm; MCS8 (HT20) : 18.80 dBm; MCS8 (HT40) : 18.97 dBm; MCS16 (HT20) : 18.77 dBm; MCS16 (HT40) : 18.87 dBm; MCS0/Nss1 (VHT20) : 17.43 dBm; MCS0/Nss1 (VHT40) : 18.85 dBm; MCS0/Nss1 (VHT80) : 9.44 dBm; MCS0/Nss2 (VHT20) : 18.78 dBm; MCS0/Nss2 (VHT40) : 18.86 dBm; MCS0/Nss2 (VHT80) : 14.82 dBm; MCS0/Nss3 (VHT20) : 18.98 dBm; MCS0/Nss3 (VHT40) : 18.76 dBm; MCS0/Nss3 (VHT80) : 14.22 dBm Band 3: 1TX : MCS0 (HT20) : 18.69 dBm; MCS0 (HT40) : 18.66 dBm; MCS0/Nss1 (VHT20) : 18.74 dBm; MCS0/Nss1 (VHT40) : 18.67 dBm; MCS0/Nss1 (VHT80) : 9.09 dBm 2TX : MCS0 (HT20) : 18.95 dBm; MCS0 (HT40) : 18.97 dBm; MCS8 (HT20) : 18.94 dBm; MCS8 (HT40) : 18.93 dBm; MCS0/Nss1 (VHT20) : 18.85 dBm; MCS0/Nss1 (VHT40) : 18.90 dBm; MCS0/Nss1 (VHT80) : 10.53 dBm; MCS0/Nss2 (VHT20) : 18.96 dBm; MCS0/Nss2 (VHT40) : 18.93 dBm; MCS0/Nss2 (VHT80) : 12.90 dBm </p>
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	<p>3TX : MCS0 (HT20) : 17.56 dBm; MCS0 (HT40) : 18.97 dBm; MCS8 (HT20) : 18.86 dBm; MCS8 (HT40) : 18.72 dBm; MCS16 (HT20) : 18.85 dBm; MCS16 (HT40) : 18.99 dBm; MCS0/Nss1 (VHT20) : 17.47 dBm; MCS0/Nss1 (VHT40) : 18.95 dBm; MCS0/Nss1 (VHT80) : 13.17 dBm; MCS0/Nss2 (VHT20) : 18.91 dBm; MCS0/Nss2 (VHT40) : 18.99 dBm; MCS0/Nss2 (VHT80) : 14.01 dBm; MCS0/Nss3 (VHT20) : 18.93 dBm; MCS0/Nss3 (VHT40) : 18.99 dBm; MCS0/Nss3 (VHT80) : 11.45 dBm</p> <p>Mode 2 (Ant.3 Panel antenna / 12.5dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 14.41 dBm; MCS0 (HT40) : 14.31 dBm; MCS0/Nss1 (VHT20) : 14.38 dBm; MCS0/Nss1 (VHT40) : 14.48 dBm; MCS0/Nss1 (VHT80) : 2.78 dBm;</p> <p>2TX : MCS0 (HT20) : 14.41 dBm; MCS0 (HT40) : 14.22 dBm; MCS8 (HT20) : 14.35 dBm; MCS8 (HT40) : 14.17 dBm; MCS0/Nss1 (VHT20) : 14.39 dBm; MCS0/Nss1 (VHT40) : 14.26 dBm; MCS0/Nss1 (VHT80) : 4.30 dBm; MCS0/Nss2 (VHT20) : 14.48 dBm; MCS0/Nss2 (VHT40) : 14.18 dBm; MCS0/Nss2 (VHT80) : 4.32 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 14.40 dBm; MCS0 (HT40) : 14.49 dBm; MCS0/Nss1 (VHT20) : 14.13 dBm; MCS0/Nss1 (VHT40) : 14.28 dBm; MCS0/Nss1 (VHT80) : 3.41 dBm</p>
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	<p>2TX : MCS0 (HT20) : 14.38 dBm; MCS0 (HT40) : 14.49 dBm; MCS8 (HT20) : 14.46 dBm; MCS8 (HT40) : 14.44 dBm; MCS0/Nss1 (VHT20) : 14.32 dBm; MCS0/Nss1 (VHT40) : 14.44 dBm; MCS0/Nss1 (VHT80) : 4.04 dBm; MCS0/Nss2 (VHT20) : 14.46 dBm; MCS0/Nss2 (VHT40) : 14.48 dBm; MCS0/Nss2 (VHT80) : 4.07 dBm</p> <p>Mode 3 (Ant.4 Yagi antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 18.92 dBm; MCS0 (HT40) : 18.88 dBm; MCS0/Nss1 (VHT20) : 18.84 dBm; MCS0/Nss1 (VHT40) : 18.81 dBm; MCS0/Nss1 (VHT80) : 7.68 dBm</p> <p>2TX : MCS0 (HT20) : 18.85 dBm; MCS0 (HT40) : 18.61 dBm; MCS8 (HT20) : 18.88 dBm; MCS8 (HT40) : 18.94 dBm; MCS0/Nss1 (VHT20) : 18.79 dBm; MCS0/Nss1 (VHT40) : 18.97 dBm; MCS0/Nss1 (VHT80) : 7.39 dBm; MCS0/Nss2 (VHT20) : 18.94 dBm; MCS0/Nss2 (VHT40) : 18.96 dBm; MCS0/Nss2 (VHT80) : 7.64 dBm</p> <p>3TX : MCS0 (HT20) : 17.47 dBm; MCS0 (HT40) : 18.90 dBm; MCS8 (HT20) : 18.85 dBm; MCS8 (HT40) : 18.96 dBm; MCS16 (HT20) : 18.55 dBm; MCS16 (HT40) : 18.59 dBm; MCS0/Nss1 (VHT20) : 17.43 dBm; MCS0/Nss1 (VHT40) : 18.64 dBm; MCS0/Nss1 (VHT80) : 7.95 dBm; MCS0/Nss2 (VHT20) : 18.83 dBm; MCS0/Nss2 (VHT40) : 18.96 dBm;</p>
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	<p>MCS0/Nss2 (VHT80) : 8.35 dBm; MCS0/Nss3 (VHT20) : 18.85 dBm; MCS0/Nss3 (VHT40) : 18.91 dBm; MCS0/Nss3 (VHT80) : 8.81 dBm</p> <p>Band 3:</p> <p>1TX : MCS0 (HT20) : 18.87 dBm; MCS0 (HT40) : 18.95 dBm; MCS0/Nss1 (VHT20) : 18.83 dBm; MCS0/Nss1 (VHT40) : 18.83 dBm; MCS0/Nss1 (VHT80) : 12.55 dBm</p> <p>2TX : MCS0 (HT20) : 18.68 dBm; MCS0 (HT40) : 18.95 dBm; MCS8 (HT20) : 18.55 dBm; MCS8 (HT40) : 18.92 dBm; MCS0/Nss1 (VHT20) : 18.85 dBm; MCS0/Nss1 (VHT40) : 18.92 dBm; MCS0/Nss1 (VHT80) : 7.95 dBm; MCS0/Nss2 (VHT20) : 18.90 dBm; MCS0/Nss2 (VHT40) : 18.92 dBm; MCS0/Nss2 (VHT80) : 11.93 dBm</p> <p>3TX : MCS0 (HT20) : 17.47 dBm; MCS0 (HT40) : 18.88 dBm; MCS8 (HT20) : 18.93 dBm; MCS8 (HT40) : 18.78 dBm; MCS16 (HT20) : 18.66 dBm; MCS16 (HT40) : 18.66 dBm; MCS0/Nss1 (VHT20) : 17.32 dBm; MCS0/Nss1 (VHT40) : 18.94 dBm; MCS0/Nss1 (VHT80) : 8.13 dBm; MCS0/Nss2 (VHT20) : 18.85 dBm; MCS0/Nss2 (VHT40) : 18.92 dBm; MCS0/Nss2 (VHT80) : 12.99 dBm; MCS0/Nss3 (VHT20) : 18.93 dBm; MCS0/Nss3 (VHT40) : 18.66 dBm; MCS0/Nss3 (VHT80) : 12.40 dBm</p> <p>Mode 6 (Ant.9 Panel antenna / 9.2dBi)</p> <p>Band 2:</p> <p>3TX : MCS0 (HT20) : 16.37 dBm;</p>
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	<p>MCS0 (HT40) : 17.14 dBm; MCS8 (HT20) : 17.49 dBm; MCS8 (HT40) : 17.29 dBm; MCS16 (HT20) : 17.20 dBm; MCS16 (HT40) : 17.26 dBm; MCS0/Nss1 (VHT20) : 16.45 dBm; MCS0/Nss1 (VHT40) : 17.41 dBm; MCS0/Nss1 (VHT80) : 9.66 dBm; MCS0/Nss2 (VHT20) : 17.21 dBm; MCS0/Nss2 (VHT40) : 17.27 dBm; MCS0/Nss2 (VHT80) : 13.48 dBm; MCS0/Nss3 (VHT20) : 17.17 dBm; MCS0/Nss3 (VHT40) : 17.28 dBm; MCS0/Nss3 (VHT80) : 10.39 dBm</p> <p>Band 3:</p> <p>3TX : MCS0 (HT20) : 16.62 dBm; MCS0 (HT40) : 17.47 dBm; MCS8 (HT20) : 17.48 dBm; MCS8 (HT40) : 17.54 dBm; MCS16 (HT20) : 17.48 dBm; MCS16 (HT40) : 17.47 dBm; MCS0/Nss1 (VHT20) : 16.71 dBm; MCS0/Nss1 (VHT40) : 17.63 dBm; MCS0/Nss1 (VHT80) : 7.75 dBm; MCS0/Nss2 (VHT20) : 17.11 dBm; MCS0/Nss2 (VHT40) : 17.49 dBm; MCS0/Nss2 (VHT80) : 8.85 dBm; MCS0/Nss3 (VHT20) : 17.45 dBm; MCS0/Nss3 (VHT40) : 17.43 dBm; MCS0/Nss3 (VHT80) : 8.36 dBm</p> <p>Mode 7 (Ant.10 PIFA antenna / 5.3dBi)</p> <p>Band 2:</p> <p>1TX : MCS0 (HT20) : 21.31 dBm; MCS0 (HT40) : 21.27 dBm; MCS0/Nss1 (VHT20) : 21.37 dBm; MCS0/Nss1 (VHT40) : 21.50 dBm; MCS0/Nss1 (VHT80) : 10.46 dBm</p> <p>2TX : MCS0 (HT20) :21.25 dBm;</p>
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	<p> MCS0 (HT40) : 21.43 dBm; MCS8 (HT20) : 21.34 dBm; MCS8 (HT40) : 21.15 dBm; MCS0/Nss1 (VHT20) : 21.25 dBm; MCS0/Nss1 (VHT40) : 21.37 dBm; MCS0/Nss1 (VHT80) : 10.45 dBm; MCS0/Nss2 (VHT20) : 21.44 dBm; MCS0/Nss2 (VHT40) : 21.18 dBm; MCS0/Nss2 (VHT80) : 11.83 dBm </p> <p> 3TX : MCS0 (HT20) : 20.18 dBm; MCS0 (HT40) : 21.32 dBm; MCS8 (HT20) : 21.31 dBm; MCS8 (HT40) : 21.11 dBm; MCS16 (HT20) : 21.31 dBm; MCS16 (HT40) : 21.28 dBm; MCS0/Nss1 (VHT20) : 20.39 dBm; MCS0/Nss1 (VHT40) : 21.47 dBm; MCS0/Nss1 (VHT80) : 8.56 dBm; MCS0/Nss2 (VHT20) : 21.41 dBm; MCS0/Nss2 (VHT40) : 21.37 dBm; MCS0/Nss2 (VHT80) : 11.12 dBm; MCS0/Nss3 (VHT20) : 21.30 dBm; MCS0/Nss3 (VHT40) : 21.30 dBm; MCS0/Nss3 (VHT80) : 15.56 dBm </p> <p> Band 3: </p> <p> 1TX : MCS0 (HT20) : 21.24 dBm; MCS0 (HT40) : 21.43 dBm; MCS0/Nss1 (VHT20) : 21.24 dBm; MCS0/Nss1 (VHT40) : 21.49 dBm; MCS0/Nss1 (VHT80) : 11.86 dBm </p> <p> 2TX : MCS0 (HT20) : 21.20 dBm; MCS0 (HT40) : 18.28 dBm; MCS8 (HT20) : 21.28 dBm; MCS8 (HT40) : 21.42 dBm; MCS0/Nss1 (VHT20) : 21.47 dBm; MCS0/Nss1 (VHT40) : 21.50 dBm; MCS0/Nss1 (VHT80) : 6.67 dBm; MCS0/Nss2 (VHT20) : 21.22 dBm; </p>
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	<p>MCS0/Nss2 (VHT40) : 21.45 dBm; MCS0/Nss2 (VHT80) : 10.39 dBm 3TX : MCS0 (HT20) : 19.70 dBm; MCS0 (HT40) : 21.29 dBm; MCS8 (HT20) : 21.34 dBm; MCS8 (HT40) : 21.32 dBm; MCS16 (HT20) : 21.31 dBm; MCS16 (HT40) : 21.30 dBm; MCS0/Nss1 (VHT20) : 19.86 dBm; MCS0/Nss1 (VHT40) : 21.44 dBm; MCS0/Nss1 (VHT80) : 7.37 dBm; MCS0/Nss2 (VHT20) : 21.43 dBm; MCS0/Nss2 (VHT40) : 21.46 dBm; MCS0/Nss2 (VHT80) : 11.25 dBm; MCS0/Nss3 (VHT20) : 21.34 dBm; MCS0/Nss3 (VHT40) : 21.36 dBm; MCS0/Nss3 (VHT80) : 12.67 dBm</p>
Carrier Frequencies	Please refer to section 3.4
Antenna	Please refer to section 3.3

IEEE 802.11a

Items	Description
Product Type	WLAN (1/2/3TX, 3RX)
Radio Type	Intentional Transceiver
Power Type	From Host System
Modulation	OFDM for IEEE 802.11a
Data Modulation	OFDM (BPSK / QPSK / 16QAM / 64QAM)
Data Rate (Mbps)	OFDM (6/9/12/18/24/36/48/54/108)
Frequency Range	5250 ~ 5350MHz / 5470 ~ 5725MHz
Channel Number	12
Maximum Conducted Output Power	<p>For TPC function</p> <p>Mode 1 (Ant.1 Dipole antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : 11a: 21.79 dBm; 2TX : 11a: 19.36 dBm; 3TX : 11a: 17.66 dBm</p> <p>Band 3:</p> <p>1TX : 11a: 21.55 dBm; 2TX : 11a: 19.09 dBm; 3TX : 11a: 17.62 dBm</p> <p>Mode 2 (Ant.3 Panel antenna / 12.5dBi)</p> <p>Band 2:</p> <p>1TX : 11a: 17.49 dBm; 2TX : 11a: 14.45 dBm</p> <p>Band 3:</p> <p>1TX : 11a: 17.32 dBm; 2TX : 11a: 14.41 dBm</p> <p>Mode 3 (Ant.4 Yagi antenna / 8dBi)</p> <p>Band 2:</p> <p>1TX : 11a: 21.78 dBm; 2TX : 11a: 18.94 dBm; 3TX : 11a: 17.66 dBm</p> <p>Band 3:</p> <p>1TX : 11a: 21.55 dBm; 2TX : 11a: 19.09 dBm; 3TX : 11a: 17.59 dBm</p> <p>Mode 4 (Ant.5 Patch antenna / 2.3dBi)</p> <p>Band 2:</p>

	<p>1TX : 11a: 23.86 dBm; 2TX : 11a: 23.99 dBm; 3TX : 11a: 23.60 dBm Band 3: 1TX : 11a: 23.99 dBm; 2TX : 11a: 23.72 dBm; 3TX : 11a: 23.19 dBm Mode 5 (Ant.6 Facade antenna / 2.5dBi) Band 2: 1TX : 11a: 23.86 dBm; 2TX : 11a: 23.99 dBm; 3TX : 11a: 23.03 dBm Band 3: 1TX : 11a: 23.99 dBm; 2TX : 11a: 23.72 dBm; 3TX : 11a: 23.19 dBm Mode 6 (Ant.9 Panel antenna / 9.2dBi) Band 2: 3TX : 11a: 16.46 dBm Band 3: 3TX : 11a: 16.66 dBm Mode 7 (Ant.10 PIFA antenna / 5.3dBi) Band 2: 1TX : 11a: 22.38dBm; 2TX : 11a: 21.48 dBm; 3TX : 11a: 20.42 dBm Band 3: 1TX : 11a: 23.02 dBm; 2TX : 11a: 21.37 dBm; 3TX : 11a: 19.82 dBm For non-TPC function Mode 1 (Ant.1 Dipole antenna / 8dBi) Band 2: 1TX : 11a: 18.80 dBm; 2TX : 11a: 18.93 dBm; 3TX : 11a: 17.66 dBm Band 3: 1TX : 11a: 18.81 dBm;</p>
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	<p>2TX : 11a: 18.75 dBm; 3TX : 11a: 17.62 dBm Mode 2 (Ant.3 Panel antenna / 12.5dBi) Band 2: 1TX : 11a: 14.12 dBm; 2TX : 11a: 14.45 dBm Band 3: 1TX : 11a: 14.24 dBm; 2TX : 11a: 14.23 dBm Mode 3 (Ant.4 Yagi antenna / 8dBi) Band 2: 1TX : 11a: 18.84 dBm; 2TX : 11a: 18.61 dBm; 3TX : 11a: 17.66 dBm Band 3: 1TX : 11a: 18.83 dBm; 2TX : 11a: 18.60 dBm; 3TX : 11a: 17.59 dBm Mode 6 (Ant.9 Panel antenna / 9.2dBi) Band 2: 3TX : 11a: 16.46 dBm Band 3: 3TX : 11a: 16.66 dBm Mode 7 (Ant.10 PIFA antenna / 5.3dBi) Band 2: 1TX : 11a: 21.49 dBm; 2TX : 11a: 21.48 dBm; 3TX : 11a: 20.42 dBm Band 3: 1TX : 11a: 21.47 dBm; 2TX : 11a: 21.37 dBm; 3TX : 11a: 19.82 dBm</p>
Carrier Frequencies	Please refer to section 3.4
Antenna	Please refer to section 3.3

3.2. Antenna & Band width

Antenna	Single (TX)			Two (TX)			Three (TX)		
	20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz	20 MHz	40 MHz	80 MHz
IEEE 802.11a	V	X	X	V	X	X	V	X	X
IEEE 802.11n	V	V	X	V	V	X	V	V	X
IEEE 802.11ac	V	V	V	V	V	V	V	V	V

IEEE 11n/ac Spec.

Protocol	Number of Transmit Chains (NTX)	Data Rate / MCS
802.11n (HT20)	1, 2, 3	MCS0-23
802.11n (HT40)	1, 2, 3	MCS0-23
802.11ac (VHT20)	1, 2, 3	MCS 0-9/Nss1-3
802.11ac (VHT40)	1, 2, 3	MCS 0-9/Nss1-3
802.11ac (VHT80)	1, 2, 3	MCS 0-9/Nss1-3

Note 1: IEEE Std. 802.11n modulation consists of HT20 and HT40 (HT: High Throughput). Then EUT support HT20 and HT40.

Note 2: IEEE Std. 802.11ac modulation consists of VHT20, VHT40, VHT80 and VHT160 (VHT: Very High Throughput). Then EUT support VHT20, VHT40 and VHT80.

Note 3: Modulation modes consist of below configuration:
 11a: IEEE 802.11a, HT20/HT40: IEEE 802.11n, VHT20/VHT40/VHT80: IEEE 802.11ac

3.3. Accessories

N/A

3.4. Table for Filed Antenna

Ant.	Model Name	Antenna Type	Gain (dBi)	Cable loss	True Gain (dBi)
			5GHz	5GHz	5GHz
1	ML-5299-FHPA10-01R	Dipole	10.5	2.5	8
2	ML-2452-PNA7-01R	Panel	12	1.5	10.5
3	ML-5299-WPNA1-01R	Panel	14	1.5	12.5
4	ML-5299-BYGA15-012	Yagi	10.5	2.5	8
5	ML-5299-PTA1-01R	Patch	3.8	1.5	2.3
6	KAP-FACADE-ANT	Facade	4	1.5	2.5
7	ML-2452-APAG2A1-01	Dipole	1.7	1.5	0.2
8	ML-5299-HPA5-01	Dipole	5.6	2.5	3.1
9	ML-2452-PNL9M3-036	Panel	10.7	1.5	9.2
10	RAI-INT-ANT	PIFA	5.3	-	5.3
11	ML-2452-HPAG5A8-01	Dipole	8	2.5	5.5
12	ML-5299-HPA1-01R	Dipole	6	1.5	4.5
13	ML-2452-APA2-01	Dipole	4.6	1.5	3.1
14	ML-5299-APA1-01R	Dipole	4	1.5	2.5
15	ML-2452-HPA5-036	Dipole	5	1.5	3.5
16	ML-5299-HPA10-01	Dipole	10.5	2.5	8
17	ML-2452-HPAG4A6-01	Dipole	7.3	2.5	4.8
18	ML-2452-HPA6X6-036	Dipole	6	1.5	4.5
19	ML-2452-PNA5-01R	Panel	6	2.5	3.5
20	ML-2452-PTA6M6-036	Panel	6	1.5	4.5
21	ML-2452-HPA6M6-072	Dipole	6.5	1.5	5

Note:

1. Ant.1~21 are the different antenna type in the antenna list, antenna 1, 3~6, 9~10 are the highest gain antenna, so it was selected to perform the test and recorded in this report.

Table of TX/RX Function in each antenna:

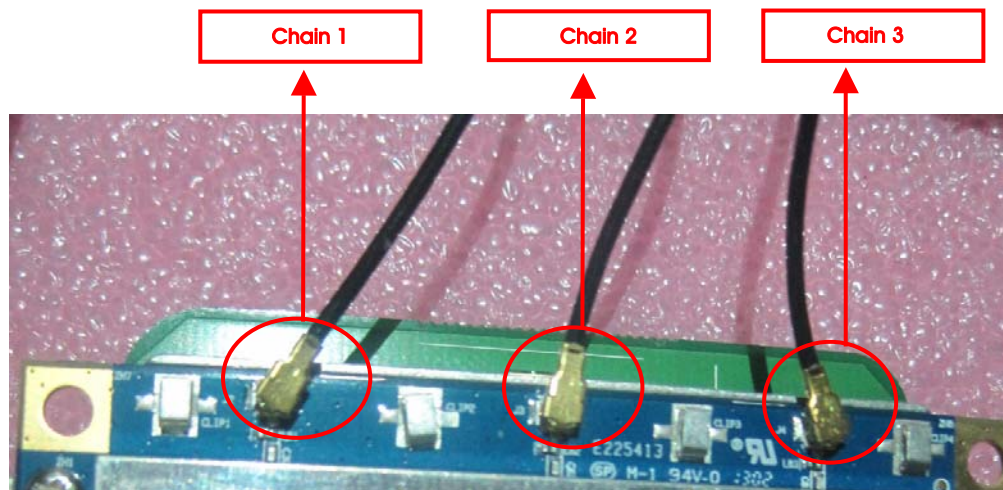
Item			Module					
			Chain 1		Chain 2		Chain 3	
			TX	RX	TX	RX	TX	RX
Ant.1	5GHz	11a	V	V	V	V	V	V
		11n	V	V	V	V	V	V
		11ac	V	V	V	V	V	V
Ant.3	5GHz	11a	V	V	V	V	X	X
		11n	V	V	V	V	X	X
		11ac	V	V	V	V	X	X
Ant.4	5GHz	11a	V	V	V	V	V	V
		11n	V	V	V	V	V	V
		11ac	V	V	V	V	V	V
Ant.5	5GHz	11a	V	V	V	V	V	V
		11n	V	V	V	V	V	V
		11ac	V	V	V	V	V	V
Ant.6	5GHz	11a	V	V	V	V	V	V
		11n	V	V	V	V	V	V
		11ac	V	V	V	V	V	V
Ant.9	5GHz	11a	V	V	V	V	V	V
		11n	V	V	V	V	V	V
		11ac	V	V	V	V	V	V
Ant.10	5GHz	11a	V	V	V	V	V	V
		11n	V	V	V	V	V	V
		11ac	V	V	V	V	V	V

Note : Marked "-" on behalf of no function.

Module	Required 1TX Port
5G	Chain 1

Module	Required 2TX Port
5G	Chain 1 and Chain 2

Module	Required 3TX Port
5G	Chain 1 and Chain 2 and Chain 3



3.5. Table for Carrier Frequencies

The EUT has three bandwidth system.

For 20MHz bandwidth systems, use Channel 52, 56, 60, 64, 100, 104, 108, 112, 116, 132, 136, 140.

For 40MHz bandwidth systems, use Channel 54, 62, 102, 110, 134.

For 80MHz bandwidth systems, use Channel 58, 106.

Frequency Band	Channel No.	Frequency	Channel No.	Frequency
5250~5350 MHz Band 2	52	5260 MHz	60	5300 MHz
	54	5270 MHz	62	5310 MHz
	56	5280 MHz	64	5320 MHz
	58	5290 MHz	-	-
5470~5725 MHz Band 3	100	5500 MHz	112	5560 MHz
	102	5510 MHz	116	5580 MHz
	104	5520 MHz	132	5660 MHz
	106	5530 MHz	134	5670 MHz
	108	5540 MHz	136	5680 MHz
	110	5550 MHz	140	5700 MHz

3.6. Table for Product Information

Items	Description	
Communication Mode	<input checked="" type="checkbox"/> IP Based (Load Based)	<input type="checkbox"/> Frame Based
TPC Function	The EUT supportos both TPC and non-TPC functions	
Weather Band (5600~5650MHz)	<input type="checkbox"/> With 5600~5650MHz	<input checked="" type="checkbox"/> Without 5600~5650MHz
Beamforming Function	<input type="checkbox"/> With beamforming	<input checked="" type="checkbox"/> Without beamforming

3.7. Table for Test Modes

Preliminary tests were performed in different data rate to find the worst radiated emission. The data rate shown in the table below is the worst-case rate with respect to the specific test item. Investigation has been done on all the possible configurations for searching the worst cases. The following table is a list of the test modes shown in this test report.

Test Items	Mode		Data Rate	Channel	Chain
AC Power Conducted Emission	CTX		-	-	-
Max. Conducted Output Power	11n HT20	Band 2	MCS0	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0	100/116/140	1 1+2 1+2+3
		Band 2	MCS8	52/56/60/64	1+2 1+2+3
		Band 3	MCS8	100/116/140	1+2 1+2+3
	11n HT20	Band 2	MCS16	52/56/60/64	1+2+3
		Band 3	MCS16	100/116/140	1+2+3
	11n HT40	Band 2	MCS0	54/62	1 1+2 1+2+3
		Band 3	MCS0	102/110/134	1 1+2 1+2+3
		Band 2	MCS8	54/62	1+2 1+2+3
		Band 3	MCS8	102/110/134	1+2 1+2+3
	11n HT40	Band 2	MCS16	54/62	1+2+3
		Band 3	MCS16	102/110/134	1+2+3
	11ac VHT20	Band 2	MCS0/Nss1	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0/Nss1	100/116/140	1 1+2 1+2+3

	11ac VHT20	Band 2	MCS0/Nss2	52/56/60/64	1+2 1+2+3
		Band 3	MCS0/Nss2	100/116/140	1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss3	52/56/60/64	1+2+3
		Band 3	MCS0/Nss3	100/116/140	1+2+3
	11ac VHT40	Band 2	MCS0/Nss1	54/62	1 1+2 1+2+3
		Band 3	MCS0/Nss1	102/110/134	1 1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss2	54/62	1+2 1+2+3
		Band 3	MCS0/Nss2	102/110/134	1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss3	54/62	1+2+3
		Band 3	MCS0/Nss3	102/110/134	1+2+3
	11ac VHT80	Band 2	MCS0/Nss1	58	1 1+2 1+2+3
		Band 3	MCS0/Nss1	106	1 1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss2	58	1+2 1+2+3
		Band 3	MCS0/Nss2	106	1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss3	58	1+2+3
		Band 3	MCS0/Nss3	106	1+2+3
11a	Band 2	6Mbps	52/56/60/64	1 1+2 1+2+3	
	Band 3	6Mbps	100/116/140	1 1+2 1+2+3	

Power Spectral Density	11ac VHT20	Band 2	MCS0/Nss1	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0/Nss1	100/116/140	1 1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss2	52/56/60/64	1+2 1+2+3
		Band 3	MCS0/Nss2	100/116/140	1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss3	52/56/60/64	1+2+3
		Band 3	MCS0/Nss3	100/116/140	1+2+3
	11ac VHT40	Band 2	MCS0/Nss1	54/62	1 1+2 1+2+3
		Band 3	MCS0/Nss1	102/110/134	1 1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss2	54/62	1+2 1+2+3
		Band 3	MCS0/Nss2	102/110/134	1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss3	54/62	1+2+3
		Band 3	MCS0/Nss3	102/110/134	1+2+3
	11ac VHT80	Band 2	MCS0/Nss1	58	1 1+2 1+2+3
		Band 3	MCS0/Nss1	106	1 1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss2	58	1+2 1+2+3
		Band 3	MCS0/Nss2	106	1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss3	58	1+2+3
		Band 3	MCS0/Nss3	106	1+2+3

26dB Spectrum Bandwidth 99% Occupied Bandwidth Measurement Peak Excursion	11ac VHT20	Band 2	MCS0/Nss1	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0/Nss1	100/116/140	1 1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss2	52/56/60/64	1+2 1+2+3
		Band 3	MCS0/Nss2	100/116/140	1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss3	52/56/60/64	1+2+3
		Band 3	MCS0/Nss3	100/116/140	1+2+3
	11ac VHT40	Band 2	MCS0/Nss1	54/62	1 1+2 1+2+3
		Band 3	MCS0/Nss1	102/110/134	1 1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss2	54/62	1+2 1+2+3
		Band 3	MCS0/Nss2	102/110/134	1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss3	54/62	1+2+3
		Band 3	MCS0/Nss3	102/110/134	1+2+3
	11ac VHT80	Band 2	MCS0/Nss1	58	1 1+2 1+2+3
		Band 3	MCS0/Nss1	106	1 1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss2	58	1+2 1+2+3
		Band 3	MCS0/Nss2	106	1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss3	58	1+2+3
		Band 3	MCS0/Nss3	106	1+2+3
	Radiated Emission Below 1GHz	CTX	-	-	-

Radiated Emission Above 1GHz	11ac VHT20	Band 2	MCS0/Nss1	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0/Nss1	100/116/140	1 1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss2	52/56/60/64	1+2 1+2+3
		Band 3	MCS0/Nss2	100/116/140	1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss3	52/56/60/64	1+2+3
		Band 3	MCS0/Nss3	100/116/140	1+2+3
	11ac VHT40	Band 2	MCS0/Nss1	54/62	1 1+2 1+2+3
		Band 3	MCS0/Nss1	102/110/134	1 1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss2	54/62	1+2 1+2+3
		Band 3	MCS0/Nss2	102/110/134	1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss3	54/62	1+2+3
		Band 3	MCS0/Nss3	102/110/134	1+2+3
	11ac VHT80	Band 2	MCS0/Nss1	58	1 1+2 1+2+3
		Band 3	MCS0/Nss1	106	1 1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss2	58	1+2 1+2+3
		Band 3	MCS0/Nss2	106	1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss3	58	1+2+3
		Band 3	MCS0/Nss3	106	1+2+3

Band Edge Emission	11n HT20	Band 2	MCS0	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0	100/140	1 1+2 1+2+3
	11n HT20	Band 2	MCS8	52/56/60/64	1+2 1+2+3
		Band 3	MCS8	100/140	1+2 1+2+3
	11n HT20	Band 2	MCS16	52/56/60/64	1+2+3
		Band 3	MCS16	100/140	1+2+3
	11n HT40	Band 2	MCS0	54/62	1 1+2 1+2+3
		Band 3	MCS0	102/110/134	1 1+2 1+2+3
	11n HT40	Band 2	MCS8	54/62	1+2 1+2+3
		Band 3	MCS8	102/110/134	1+2 1+2+3
	11n HT40	Band 2	MCS16	54/62	1+2+3
		Band 3	MCS16	102/110/134	1+2+3
	11ac VHT20	Band 2	MCS0/Nss1	52/56/60/64	1 1+2 1+2+3
		Band 3	MCS0/Nss1	100/140	1 1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss2	52/56/60/64	1+2 1+2+3
		Band 3	MCS0/Nss2	100/140	1+2 1+2+3
	11ac VHT20	Band 2	MCS0/Nss3	52/56/60/64	1+2+3
		Band 3	MCS0/Nss3	100/140	1+2+3

	11ac VHT40	Band 2	MCS0/Nss1	54/62	1 1+2 1+2+3
		Band 3	MCS0/Nss1	102/110/134	1 1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss2	54/62	1+2 1+2+3
		Band 3	MCS0/Nss2	102/110/134	1+2 1+2+3
	11ac VHT40	Band 2	MCS0/Nss3	54/62	1+2+3
		Band 3	MCS0/Nss3	102/110/134	1+2+3
	11ac VHT80	Band 2	MCS0/Nss1	58	1 1+2 1+2+3
		Band 3	MCS0/Nss1	106	1 1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss2	58	1+2 1+2+3
		Band 3	MCS0/Nss2	106	1+2 1+2+3
	11ac VHT80	Band 2	MCS0/Nss3	58	1+2+3
		Band 3	MCS0/Nss3	106	1+2+3
	11a	Band 2	6Mbps	52/56/60/64	1 1+2 1+2+3
		Band 3	6Mbps	100/140	1 1+2 1+2+3
Frequency Stability	Un-modulation		-	40	N/A

The following test modes were performed for all tests:

For Conducted Emission test:

Mode 1. Module + Antenna 3

For Radiated Emission test below 1GHz:

Mode 1. Module + Antenna 3

For Radiated Emission test above 1GHz:

Antenna/Test Mode		11a 1TX	11a 2TX	11a 3TX	11n HT20/40 1TX (MCS0)	11n HT20/40 2TX (MCS0)	11n HT20/40 3TX (MCS0)	11n HT20/40 2TX (MCS8)	11n HT20/40 3TX (MCS8)	11n HT20/40 3TX (MCS16)
Mode 1	Dipole-5G, Antenna 1	*	*	*	*	*	*	*	*	*
Mode 2	Panel -5G, Antenna 3	*	*	x	*	*	x	*	x	x
Mode 3	Yagi -5G, Antenna 4	*	*	*	*	*	*	*	*	*
Mode 4	Patch -5G, Antenna 5	*	*	*	*	*	*	*	*	*
Mode 5	Facade - 5G, Antenna 6	*	*	*	*	*	*	*	*	*
Mode 6	Panel -5G, Antenna 9	x	x	*	x	x	*	x	*	*
Mode 7	Panel -5G, Antenna 10	*	*	*	*	*	*	*	*	*

Note 1: 11a/n (HT20/40) 1TX/2TX/3TX without test due to covered by 802.11 ac VHT20/40 1TX/2TX/3TX (MCS0-single stream) which are same modulation, bandwidth and frequency.

Note 2: "*" evaluate output power and out-band emission for the 11a/n (HT20/40) 1TX, 2TX & 3TX, the other test items are covered by 802.11ac VHT20/40 VMCS0

Note 3: "x" The EUT does not support this function.

Antenna/Radio Mode		VHT 20/40/80 1TX (MCS0) (Nss1)	VHT 20/40/80 2TX (MCS0) (Nss1)	VHT 20/40/80 3TX (MCS0) (Nss1)	VHT 20/40/80 2TX (MCS0) (Nss2)	VHT 20/40/80 3TX (MCS0) (Nss2)	VHT 20/40/80 3TX (MCS0) (Nss3)
Mode 1	Dipole-5G, Antenna 1	v	v	v	v	v	v
Mode 2	Panel -5G, Antenna 3	v	v	x	v	x	x
Mode 3	Yagi -5G, Antenna 4	v	v	v	v	v	v
Mode 4	Patch -5G, Antenna 5	v	v	v	v	v	v
Mode 5	Facade - 5G, Antenna 6	v	v	v	v	v	v
Mode 6	Panel -5G, Antenna 9	x	x	v	x	v	v
Mode 7	Panel -5G, Antenna 10	v	v	v	v	v	v

Note 1: 11a/n (HT20/40) 1TX/2TX/3TX without test due to covered by 802.11 ac VHT20/40 1TX/2TX/3TX (MCS0-single stream) which are same modulation, bandwidth and frequency.

Note 2: "*" evaluate output power and out-band emission for the 11a/n (HT20/40) 1TX, 2TX & 3TX, the other test items are covered by 802.11ac VHT20/40 VMCS0

Note 3: "x" The EUT does not support this function.

For MPE Test:

The module (Model number: RAAP-800) is Limited Module Approval and only limited to install to the AP (MOTOROLA / AP-8232), (MOTOROLA / AP-8222) and (MOTOROLA / AP-8263), it verified MPE test.

1. MOTOROLA / AP-8232

The AP (MOTOROLA / AP-8232) could be applied with RadioA (2.4G) RF module (FCC ID: UZ7KHAP800), RadioB (5G) RF module (FCC ID: UZ7RAAP800) and 2.4G/5G USB dongle (FCC ID: UZ7KHUSB600); therefore Maximum Permissible Exposure (Please refer to Appendix B) tests are added for simultaneously transmit between 2.4GHz, 5GHz WLAN function and 2.4G, 5G USB dongle.

2. MOTOROLA / AP-8222

The AP (MOTOROLA / AP-8222) could be applied with RadioA (2.4G) RF module (FCC ID: UZ7KHAP800), and RadioB (5G) RF module (FCC ID: UZ7RAAP800); therefore Maximum Permissible Exposure (Please refer to Appendix B) tests are added for simultaneously transmit between 2.4GHz WLAN function and 5GHz WLAN function.

3. MOTOROLA / AP-8263

The AP (MOTOROLA / AP-8263) could be applied with RadioA (2.4G) RF module (FCC ID: UZ7KHAP800), RadioB (5G) RF module (FCC ID: UZ7RAAP800) and 2.4G/5G USB dongle (FCC ID: UZ7KHUSB601); therefore Maximum Permissible Exposure (Please refer to Appendix B) tests are added for simultaneously transmit between 2.4GHz, 5GHz WLAN function and 2.4G, 5G USB dongle.

Expected Array Gain Adjustment to Antenna Directivity for 2TX / 3TX Configurations and Supported Operational Modes

In the FCC regulatory domain, conducted testing of systems with multiple transmitters (2Tx transmitter configurations) was performed in accordance with KDB 662911 requires adjustment of antenna directivity by an array gain factor. The array gain factor is dependent on correlation of the multiple tx signals, and is therefore a function of operational mode.

The following table establishes the expected array gain for the 2Tx and 3TX transmitter configuration case for each supported operational mode.

Operational Mode > Tx Config ^	11a (Legacy OFDM)	(V)HT20 1 Stream (MCS0-7)	(V)HT40 1 Stream (MCS0-7)	(V)HT20 2 Stream (MCS8-15)	(V)HT40 2 Stream (MCS8-15)	(V)HT40 3 Stream (MCS16-23)
2TX	3 dB	3dB	3dB	NA	NA	NA
3TX	4.77dB	4.77dB	4.77dB	1.8dB	1.8dB	NA

3.8. Table for Testing Locations

Test Site No.	Site Category	Location	FCC Reg. No.	IC File No.	VCCI Reg. No
03CH01-CB	SAC	Hsin Chu	262045	IC 4086D	-
CO01-CB	Conduction	Hsin Chu	262045	IC 4086D	-
TH01-CB	OVEN Room	Hsin Chu	-	-	-

Open Area Test Site (OATS); Semi Anechoic Chamber (SAC).

Please refer section 6 for Test Site Address.

3.9. Table for Class II Change

This product is an extension of original one reported under Sporton project number: 341810

Below is the table for the change of the product with respect to the original one.

Modifications	Performance Checking
Add Band 2 and Band 3 (5250~5350 MHz, 5470~5725 MHz)	AC Power Line Conducted Emissions Measurement
	26dB Bandwidth & 99% Occupied Bandwidth Measurement
	Maximum Conducted Output Power Measurement
	Power Spectral Density Measurement
	Peak Excursion Measurement
	Radiated Emissions Measurement
	Band Edge Emissions Measurement
	Frequency Stability Measurement

3.10. Table for Supporting Units

For Test Site No : CO01-CB

Support Unit	Brand	Model	FCC ID
Notebook	DELL	E6430	QDS-BRCM1049LE
Test Fixture	WNC	express card adapter	N/A

For Test Site No : 03CH01-CB

Support Unit	Brand	Model	FCC ID
Notebook	DELL	E6220	QDS-BRCM1049LE
Test Fixture	WNC	express card adapter	N/A

For Test Site No : TH01-CB

Support Unit	Brand	Model	FCC ID
Notebook	DELL	D520	E2KWM3945ABG
Test Fixture	WNC	express card adapter	N/A

3.11. Table for Parameters of Test Software Setting

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product.

For TPC function:

Mode 1 (Ant.1 Dipole antenna / 8dBi)

1TX

Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	22.5	21.5	22.5	19	20	22	14.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	17	19	22.5	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23	21.5	23	19.5	22.5	22	14.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	17	19.5	23	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	13.5	10.5

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	22.5	21.5	22.5	19.5	21	22	14.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	16	16.5	17	14.5	15.5	11

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	14.5	14.5	18.5	18

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	19.5	18.5	19.5	18	16.5	18.5	11

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	20.5	16.5	16	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	16	16.5	17	14.5	15.5	10.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	20.5	15	15	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	11.5	8

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19.5	18.5	19.5	18	16.5	18.5	11

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	20.5	16.5	16	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	12	10.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	16.5	16	16.5	17	14.5	15.5	10.5

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	13	13	12.5	7

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16.5	14.5	15.5	15.5	15.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	16.5	15.5	16	14	14.5	15.5	8.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	15	15	15.5	17	17

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	17.5	17	17	14	14.5	16.5	8

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	18.5	14.5	15	17.5	17.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	13	13	12.5	7

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16.5	14.5	15.5	16	16

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	15.5	16	14	14.5	15.5	11

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	18	15	15.5	17.5	17

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	11	10

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17.5	17	17.5	15	14.5	17	8.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	18.5	14.5	15	17.5	17.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	10.5	7.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	13	19.5	13	13	13	12.5	6.5

Mode 2 (Ant.3 Panel antenna / 12.5dBi)
1TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17	11	14	9	10.5	16.5	6.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17	9.5	10	17	15.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17	11	13.5	9	10	16.5	6

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	9.5	11	17.5	16

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	3	3.5

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	17	12	13.5	9	10.5	16.5	6.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12	6	12	7	6	11	0.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	8	8	14.5	14

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	15	6.5	12.5	8	7	14	2.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	15	8	8.5	14.5	14

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12	6.5	12	8	7	11	2.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	8.5	8.5	14.5	14

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	2.5	1.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	15	6.5	12.5	8	7	14	2.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	8.5	8.5	14.5	14

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	2.5	1.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	12	6	11.5	6.5	6.5	11	1.5

Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	22.5	15	22.5	16	18.5	22	14.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	14.5	19.5	22.5	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23	15	22.5	16.5	19	22	15

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	14.5	20	23	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	14

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	22.5	15	22.5	17	21	22	14.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	13	13.5	11.5	12	15.5	12

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	10.5	13	18.5	18

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	19.5	12.5	17	12	13	18.5	10.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	20.5	12	16	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	13	13.5	12	12	15.5	12

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	20.5	11.5	15.5	19	20.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5.5	5.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19.5	12.5	17	12	13.5	18.5	10.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	20.5	12.5	16	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	6	9.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	16.5	13	13.5	12	12	15.5	12

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	8.5	10.5	12.5	9

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16.5	9.5	13	15.5	15.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	16.5	12	15.5	10	12.5	15.5	10

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	18	10	13.5	17	17

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	17.5	11.5	14	8.5	12.5	16.5	9

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	18.5	10.5	13	17.5	17.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	8.5	10.5	12.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16.5	10	13	16	16

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	4	4

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	12	15.5	10	12.5	15.5	10

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	18	10	13.5	17.5	17

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	4.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17.5	11.5	15	9	13	17	9.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	18.5	11.5	14	17.5	17.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5	8.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	13	12	13	8.5	10.5	12.5	9

Mode 4 (Ant.5 Patch antenna / 2.3dBi)

1TX

Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23.5	23.5	18	17.5	23	16

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	22.5	16.5	19	23.5	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23.5	23.5	18	18.5	23	16.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	17	19.5	23.5	22

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	13	12

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	23.5	23.5	18	18.5	23	16.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	20.5	19.5	13.5	13	19	11

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21	14	14.5	20	20

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	20.5	19	14	13.5	19.5	10.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	21.5	14.5	15	20.5	20

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	20.5	19.5	13.5	13	19	11

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21	14	14.5	20	20

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	6.5	6

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	20.5	20	14	13.5	19.5	11.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21.5	15	15.5	20.5	20

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9.5	9.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	20.5	19.5	13.5	13	19	11

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	18	18.5	12.5	12	17	11

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	12.5	13	18.5	18.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	18.5	18	12.5	12.5	18	12

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	19.5	13.5	14.5	19	19

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	18.5	18.5	12	12	18	12

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	19.5	14	15	19	21

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	18	18	12.5	11.5	17	11

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	12.5	13	18.5	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	4	5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	18.5	17.5	12.5	12.5	18	12

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	14	15	18.5	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	6.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	19	12	12	18	12

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	14	15	19	19

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	8

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	18	18	12.5	11.5	17	10.5

Mode 5 (Ant.6 Facade antenna / 2.5dBi)
1TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23.5	23.5	19.5	18.5	23	18

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	22.5	18	18.5	23.5	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23.5	23.5	19.5	18.5	23	18

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	18.5	19	23.5	22

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	16.5	12.5

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	23.5	23.5	19.5	18.5	23	18

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	20.5	20.5	15	15	19	10.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21	14.5	15	20	20

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	20.5	20.5	15	15.5	19.5	11.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	21.5	16	15	20.5	20

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	20.5	20.5	15	15	19	10.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21	14.5	15	20	20

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	7

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	20.5	20.5	15	15.5	19.5	11.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21.5	16	15.5	20.5	20

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	11	8.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	20.5	20	15	15	19	10.5

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17.5	17.5	17	15.5	17	12

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	14.5	16	18.5	18.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	18.5	18.5	18	16	18	11.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	19.5	16	17.5	19	19

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	18.5	18.5	18	17	18	14

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	19.5	19	19	19	21

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17.5	17.5	17	15.5	17	12

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	15	16.5	18.5	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	8.5	8.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	18.5	18.5	18	16	18	11.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	16	17.5	18.5	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	13	11

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	19	18	17	18	14

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	19	19	19	19

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	13.5	12

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	17.5	17.5	13.5	14.5	17	12

Mode 6 (Ant.9 Panel antenna / 9.2dBi)
3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	11	11	11	9	10.5	10.5	7.5

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	14.5	11.5	11	14	14.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	14	14.5	15.5	9.5	10.5	13.5	7.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	16	12	12	15.5	15.5

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	15.5	14	15	8	8	15	6

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	16	11.5	11	15.5	15.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	11	11	11	9	10.5	10.5	7.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	14.5	11.5	11.5	14	14.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5	2.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14	14.5	15.5	9.5	10.5	13.5	7.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16	12.5	10.5	16	15.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	4

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	15.5	14	15	8	8	15	6.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16	11.5	11	15.5	15.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	6	3.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	11	11	11	9	10.5	10.5	7.5

TMode 7 (Ant.10 PIFA antenna / 5.3dBi)
1TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	24	24	19.5	19.5	24	19.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	24	16.5	18.5	24	21

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	24	23.5	20	20	24	19.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	24	17	19.5	24	22

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	12	13.5

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	24	24	20	20	24	19.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19.5	19	14.5	12	18	12

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	22	14	13.5	20.5	20

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	22	20	14.5	13	20.5	12

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	23	14.5	14.5	21	21

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19.5	19.5	14.5	12	18.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23	14.5	14	21	20.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	4.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	22	20	14.5	13	21	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23	14.5	14.5	21.5	21

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	10.5	9.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	19	19	14	11.5	18	12

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16	16	9.5	9	15	8.5

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	12	11	18.5	18.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	19	17.5	11	11.5	18	9

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	20.5	13.5	14.5	19.5	19.5

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	19.5	18	13	13	19	11

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	21	14.5	15.5	20	19.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16	16	9.5	9	15	8.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	12.5	11	18.5	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5	3.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	18	12	12	18	9.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	20.5	13.5	14.5	19.5	19.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	7.5	7.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19.5	18	13	13	19	11

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21	15	15.5	20	19.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	12	9

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	16	16	9.5	9	15	8.5

For non-TPC function:

Mode 1 (Ant.1 Dipole antenna / 8dBi)

1TX

Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	19	19	19	19	18.5	14.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	17	19	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	19	19	19.5	19	18.5	14.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	17	19.5	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	13.5	10.5

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	19	19	19	19.5	19	18.5	14.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	15.5	16.5	17	14.5	15.5	11

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	16.5	14.5	14.5	16	15

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	16.5	16.5	16.5	16.5	16	15.5	11

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	17.5	16.5	16	16	16

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	15.5	16.5	16.5	14.5	15.5	10.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17	15	15	16	16

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	11.5	8

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	15.5	16.5	15	16	15.5	11

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	16.5	16	16	16

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	12	10.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	16.5	15.5	16	16.5	14.5	15	10.5

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	13	13	12.5	7

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	14.5	14.5	14.5	14.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	14.5	14.5	14.5	14	14	14	8.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	14.5	15	14.5	14	14

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	14.5	14.5	14.5	14	14	14	8

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	15	14.5	15	14.5	14.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	13	13	12.5	7

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	14.5	14.5	14	14

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14.5	14.5	14.5	14	14.5	14	11

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	15	14.5	14.5	14

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	11	10

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14.5	14.5	14.5	15	14.5	14	8.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	14.5	15	14.5	14.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	10.5	7.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	13	13	13	13	13	12.5	6.5

Mode 2 (Ant.3 Panel antenna / 12.5dBi)

1TX

Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14.5	11	14	9	10.5	14	6.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	14.5	9.5	10	14.5	14

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14.5	11	13.5	9	10	14	6

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	9.5	11	14.5	14

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	3	3.5

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	14	12	13.5	9	10.5	14	6.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12	6	12	7	6	11	0.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	12	8	8	11.5	11

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	12	6.5	12	8	7	11	2.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	12	8	8.5	11.5	11

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12	6.5	12	8	7	11	2.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	12	8.5	8.5	11	11

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	2.5	1.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12	6.5	12	8	7	11	2.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	12	8.5	8.5	11.5	11.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	2.5	1.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	12	6	11.5	6.5	6.5	10.5	1.5

Mode 3 (Ant.4 Yagi antenna / 8dBi)

1TX

Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	15	19	16	18.5	18.5	14.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	14.5	19.5	19	18

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	15	19	16.5	19	18.5	15

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19.5	14.5	19.5	19	18.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	14

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	18	15	19	17	18.5	18.5	14.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	13	13.5	11.5	12	15.5	12

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17	10.5	13	16	16

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	15.5	12.5	16.5	12	13	14.5	10.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	16.5	12	16	16	15.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16.5	13	13.5	12	12	15.5	12

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	18.5	11.5	15.5	16	17.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5.5	5.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17	12.5	16.5	12	13.5	17	10.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	12.5	16	17	15.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	6	9.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	16	13	13.5	12	12	15	12

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	8.5	10.5	12.5	9

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	9.5	13	14.5	14.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	14.5	12	14.5	10	12.5	14	10

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	15	10	13.5	14	14

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	14	11.5	14	8.5	12.5	13.5	9

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	14	10.5	13	14	13.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	13	12	13	8.5	10.5	12.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	14.5	10	13	14	14.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	4	4

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14.5	12	14.5	10	12.5	14	10

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	10	13.5	14	14

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	4.5	9

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	14.5	11.5	14.5	9	13	14	9.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	15	11.5	14	14	14

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5	8.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	13	12	13	8.5	10.5	12.5	9

Mode 6 (Ant.9 Panel antenna / 9.2dBi)
3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	11	11	11	9	10.5	10.5	7.5

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	13	11.5	11	12.5	12.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	12.5	12.5	12.5	9.5	10.5	12	7.5

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	13	12	12	12.5	12.5

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	12.5	12.5	12.5	8	8	12	6

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	13	11.5	11	12.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	11	11	11	9	10.5	10.5	7.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	13	11.5	11.5	12.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5	2.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12.5	12.5	12.5	9.5	10.5	11.5	7.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	13	12.5	10.5	12.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	4

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	12.5	12.5	12.5	8	8	12	6.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	13	11.5	11	12.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	6	3.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3						
Frequency	5260 MHz	5280 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	11	11	11	9	10.5	10.5	7.5

Mode 7 (Ant.10 PIFA antenna / 5.3dBi)
1TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	21	21	19.5	19.5	20.5	19.5

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	21	16.5	18.5	21	21

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	23	23	20	20	20.5	19.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	23.5	17	19.5	21.5	21.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Test Software Version	ART2-GUI Version 2.3			
Frequency	5290 MHz		5530 MHz	
MCS0 80MHz	12		13.5	

Power Parameters of IEEE 802.11a / Chain 1

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	21	21	20	20	20.5	19.5

2TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	19	14.5	12	18	12

Power Parameters of IEEE 802.11n MCS0 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	18.5	14	13.5	18	17.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	19	19.5	14.5	13	17.5	12

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	19	14.5	14.5	18.5	18

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	19	19.5	14.5	12	18.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	14.5	14	18	18

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	9	4.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	18.5	19.5	14.5	13	17.5	12.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	19	14.5	14.5	18.5	18

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	10.5	8.5

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	19	19	14	11.5	18	12

3TX
Power Parameters of IEEE 802.11n MCS0 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16	16	9.5	9	15	8.5

Power Parameters of IEEE 802.11n MCS0 HT40 / C Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	12	11	17	16.5

Power Parameters of IEEE 802.11n MCS8 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS8 20MHz	17	17	11	11.5	16.5	9

Power Parameters of IEEE 802.11n MCS8 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS8 40MHz	17	13.5	14.5	17	16.5

Power Parameters of IEEE 802.11n MCS16 HT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS16 20MHz	17	17	13	13	16.5	11

Power Parameters of IEEE 802.11n MCS16 HT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS16 40MHz	17.5	14.5	15.5	17	17

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	16	16	9.5	9	15	8.5

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	12.5	11	17	17

Power Parameters of IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	5	3.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17	17.5	12	12	16.5	9.5

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	13.5	14.5	17	17

Power Parameters of IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	7.5	7.5

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
MCS0 20MHz	17	17	13	13	16.5	11

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3				
Frequency	5270 MHz	5310 MHz	5510 MHz	5550 MHz	5670 MHz
MCS0 40MHz	17.5	15	15.5	17	17

Power Parameters of IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Test Software Version	ART2-GUI Version 2.3	
Frequency	5290 MHz	5530 MHz
MCS0 80MHz	12	9

Power Parameters of IEEE 802.11a / Chain 1 + Chain 2 + Chain 3

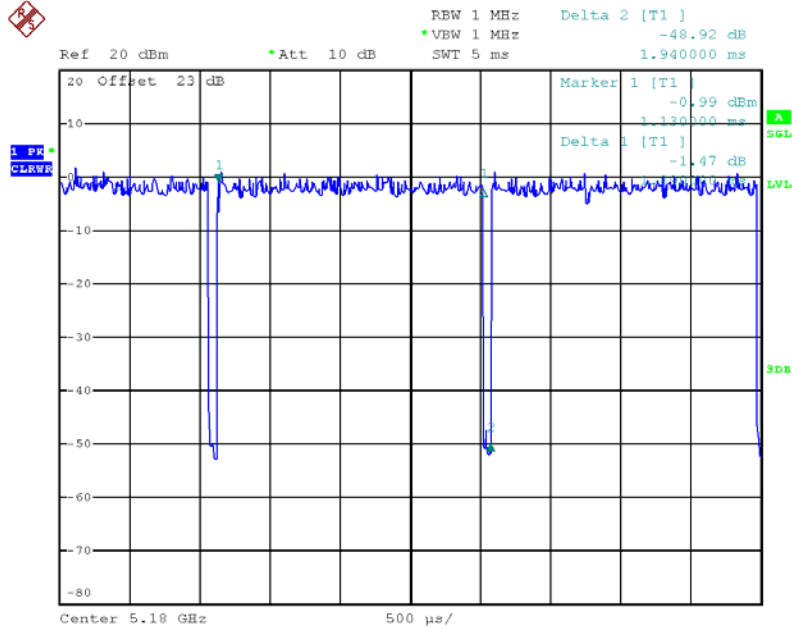
Test Software Version	ART2-GUI Version 2.3					
Frequency	5260 MHz	5300 MHz	5320 MHz	5500 MHz	5580 MHz	5700 MHz
IEEE 802.11a	16	16	9.5	9	15	8.5

3.12. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

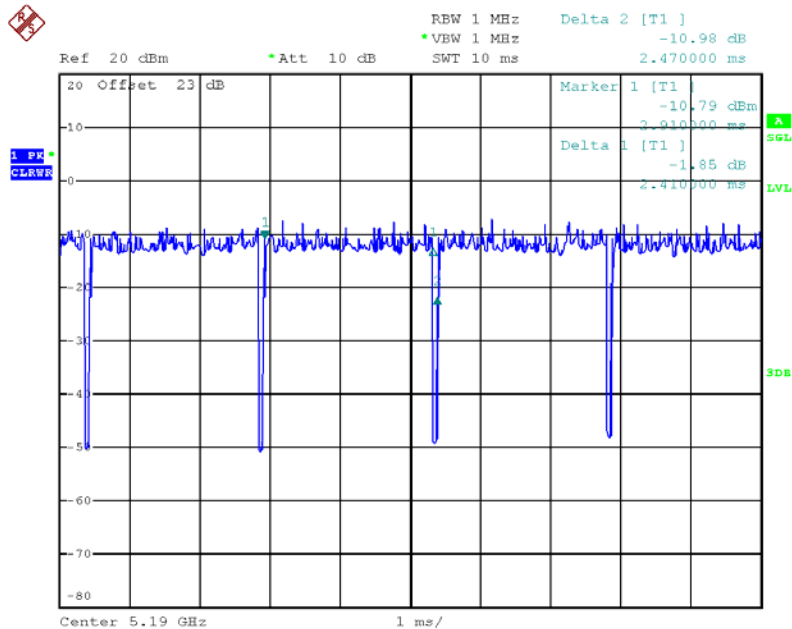
3.13. Duty Cycle

IEEE 802.11n MCS0 HT20



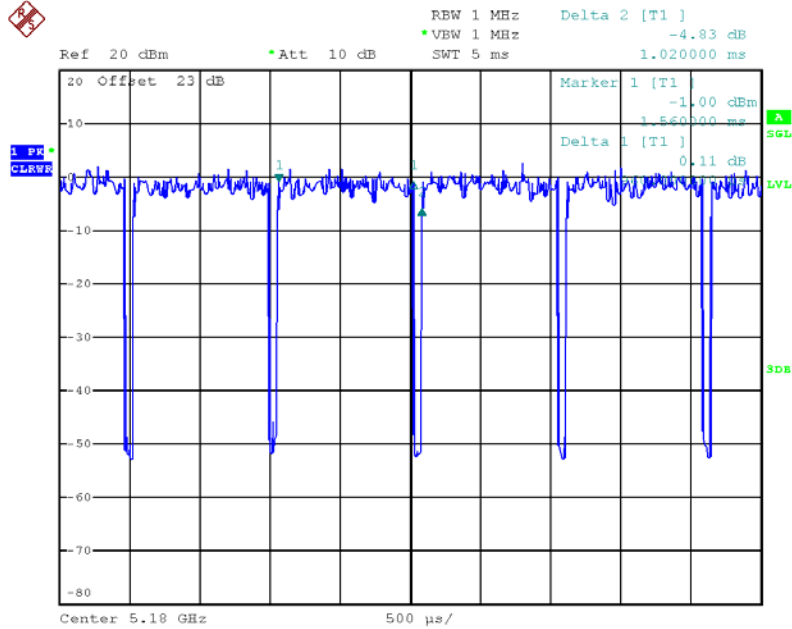
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IEEE 802.11n MCS0 HT40



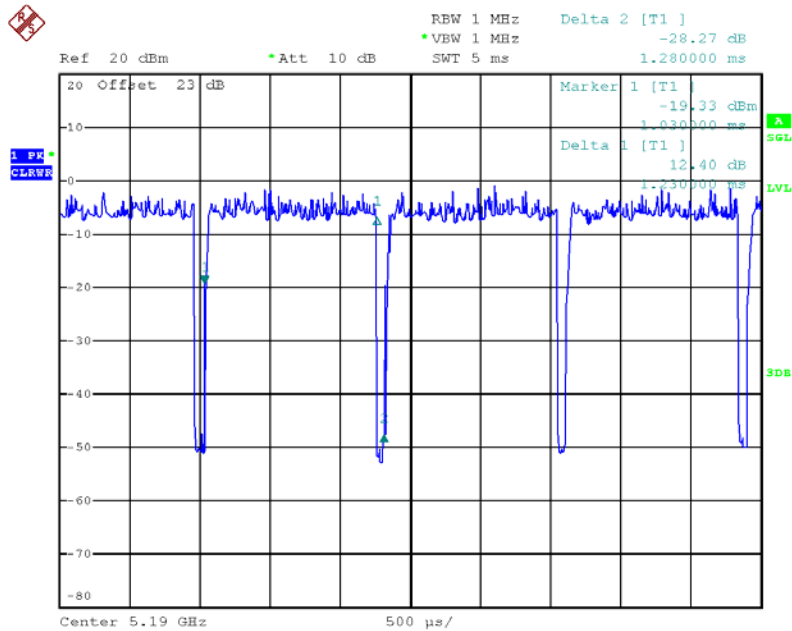
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IEEE 802.11n MCS8 HT20



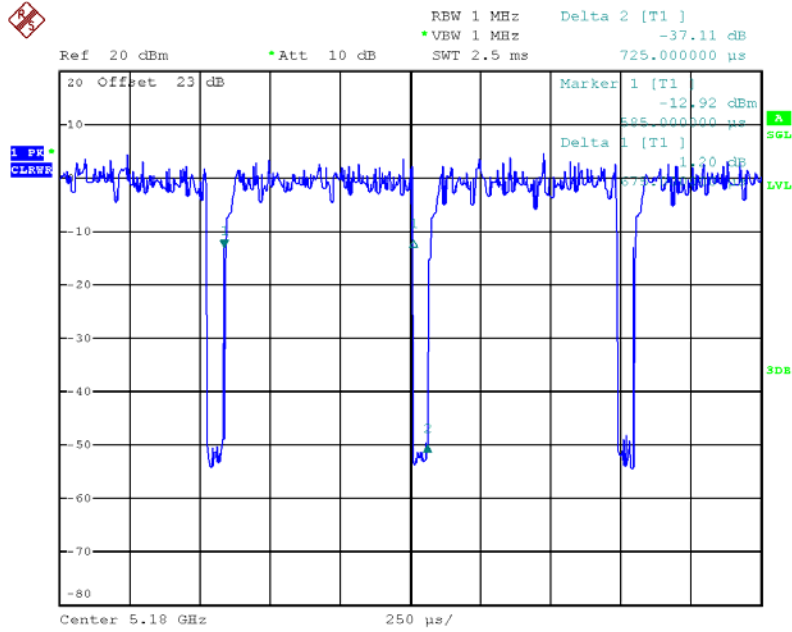
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IEEE 802.11n MCS8 HT40



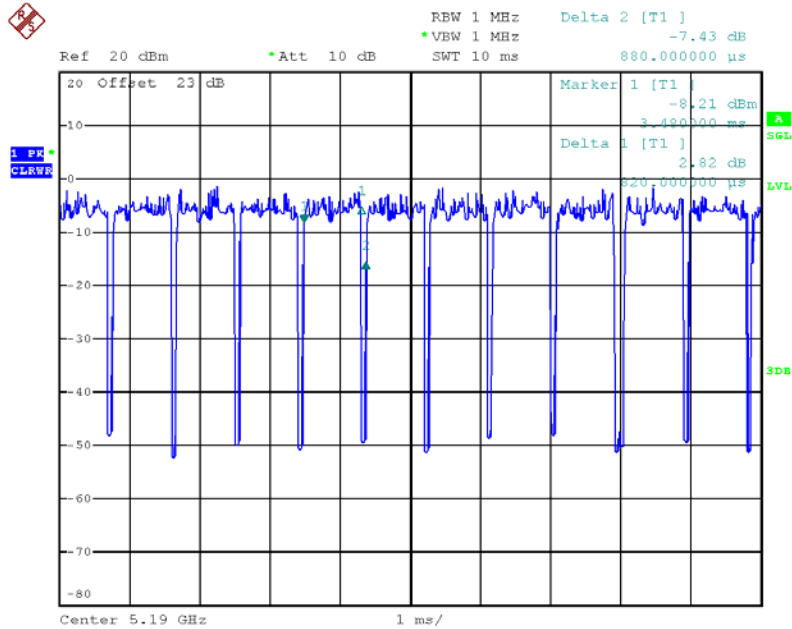
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IEEE 802.11n MCS16 HT20



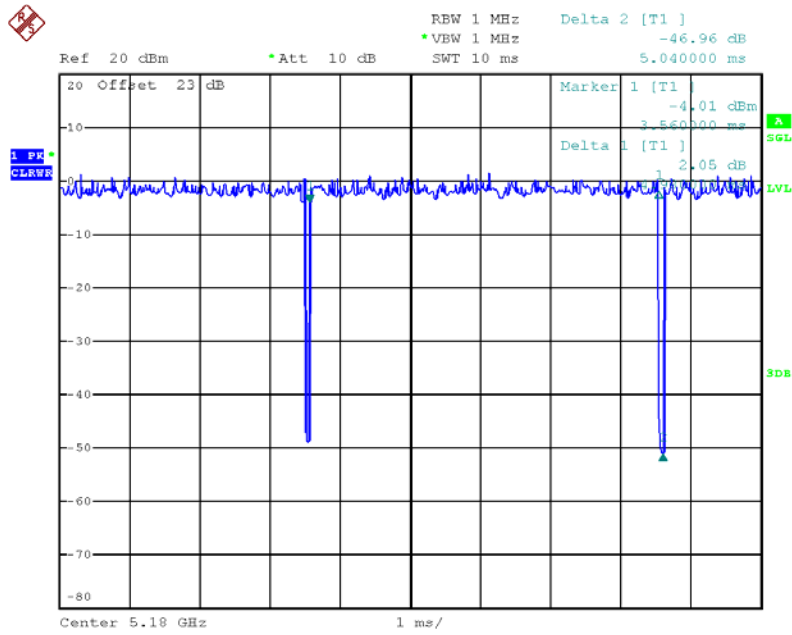
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IEEE 802.11n MCS16 HT40



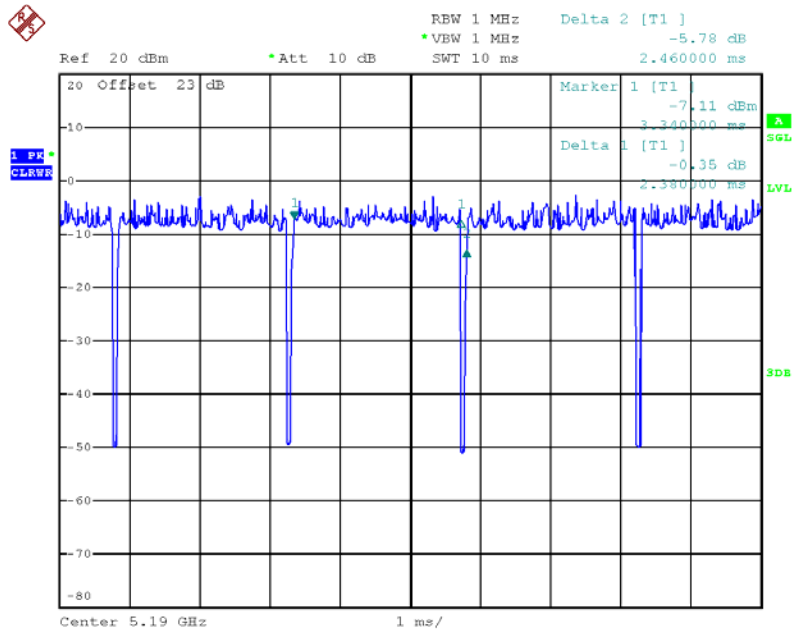
Date: 14.MAY.2013 15:20:31

IEEE 802.11ac MCS0/Nss1 VHT20



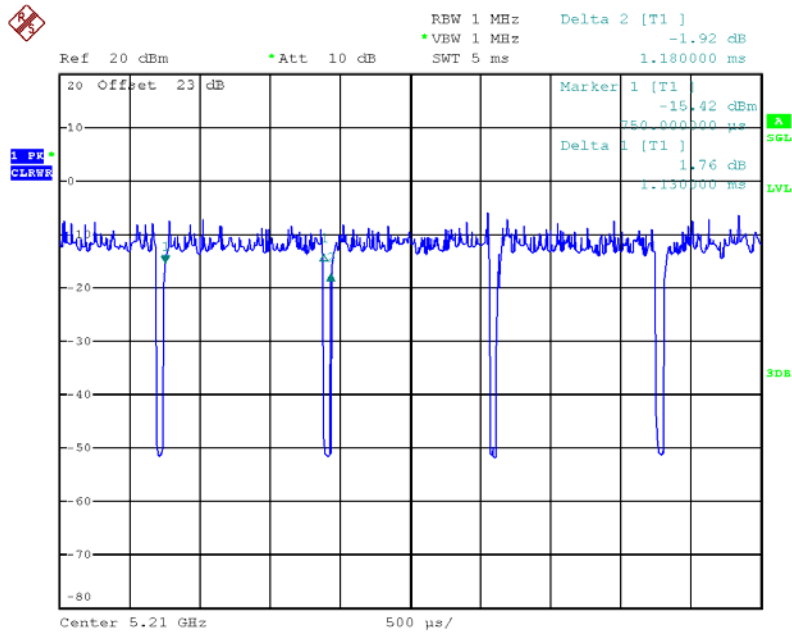
Date: 14.MAY.2013 15:26:45

IEEE 802.11ac MCS0/Nss1 VHT40



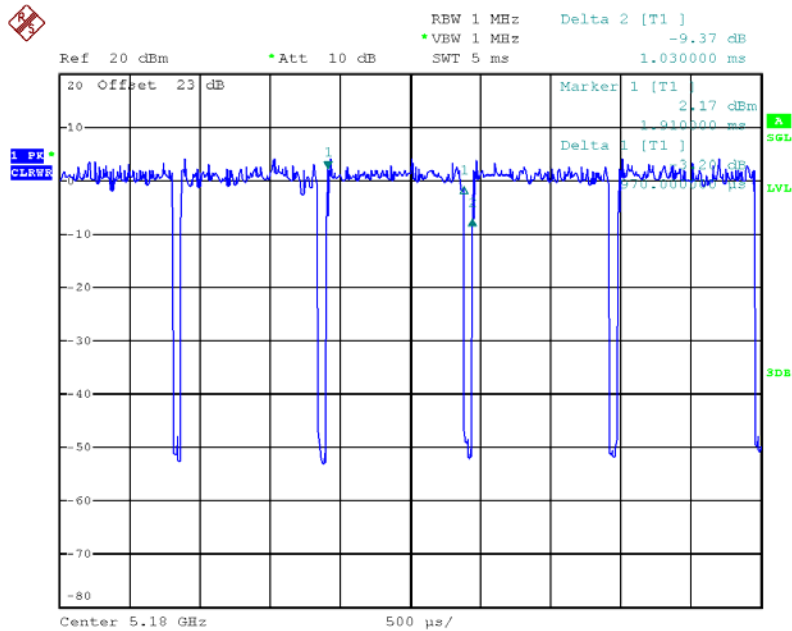
Date: 14.MAY.2013 15:23:23

IEEE 802.11ac MCS0/Nss1 VHT80



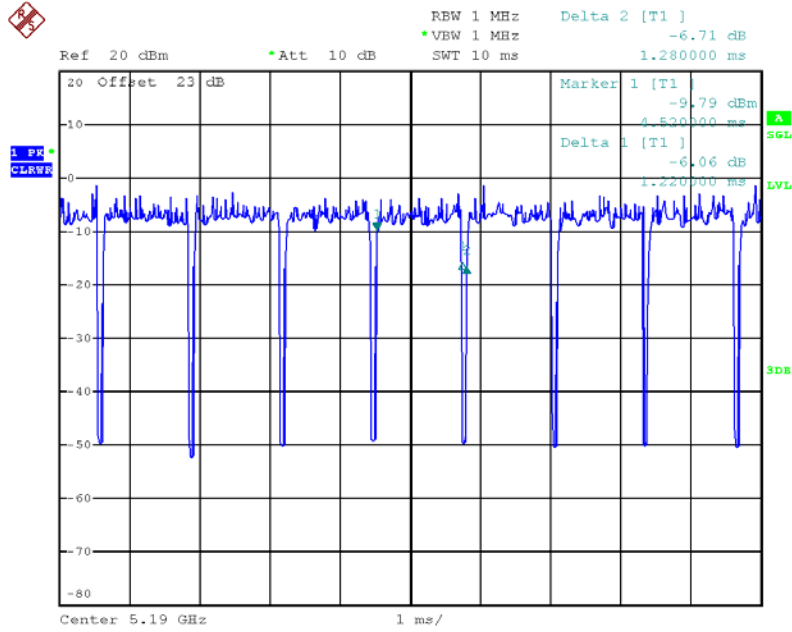
Date: 14.MAY.2013 15:31:32

IEEE 802.11ac MCS0/Nss2 VHT20



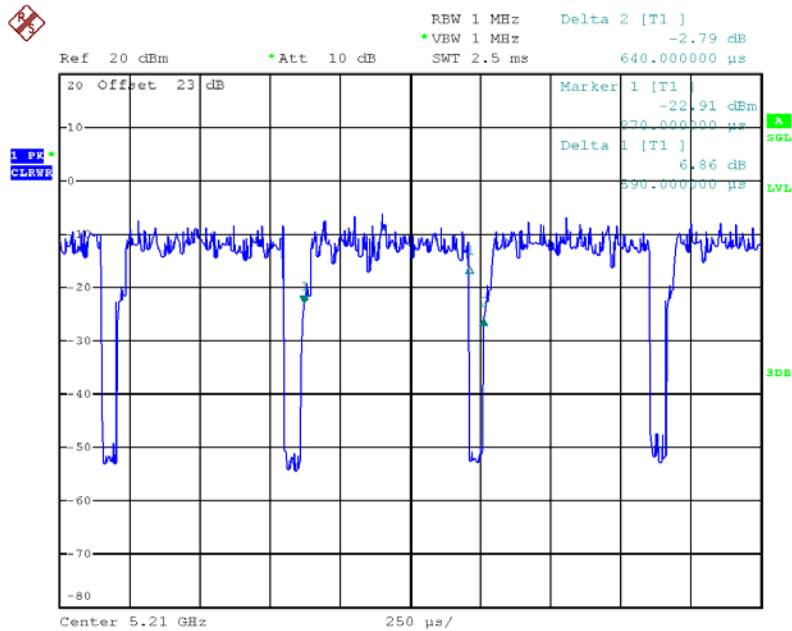
Date: 14.MAY.2013 15:28:33

IEEE 802.11ac MCS0/Nss2 VHT40



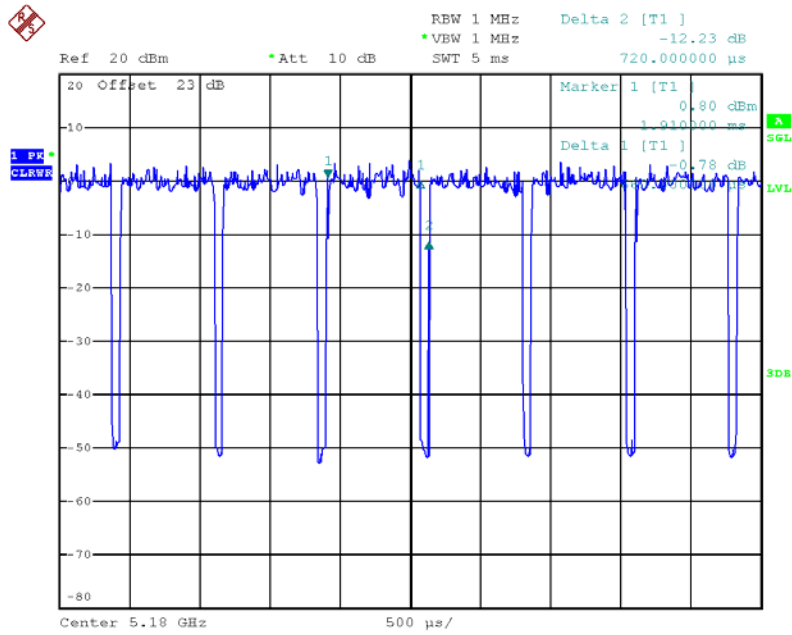
Date: 14.MAY.2013 15:24:29

IEEE 802.11ac MCS0/Nss2 VHT80



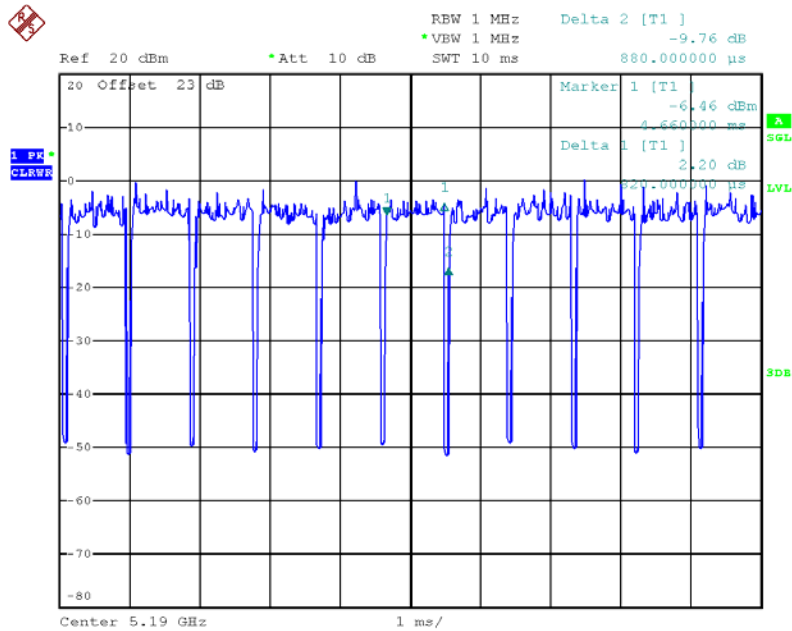
Date: 14.MAY.2013 15:34:41

IEEE 802.11ac MCS0/Nss3 VHT20



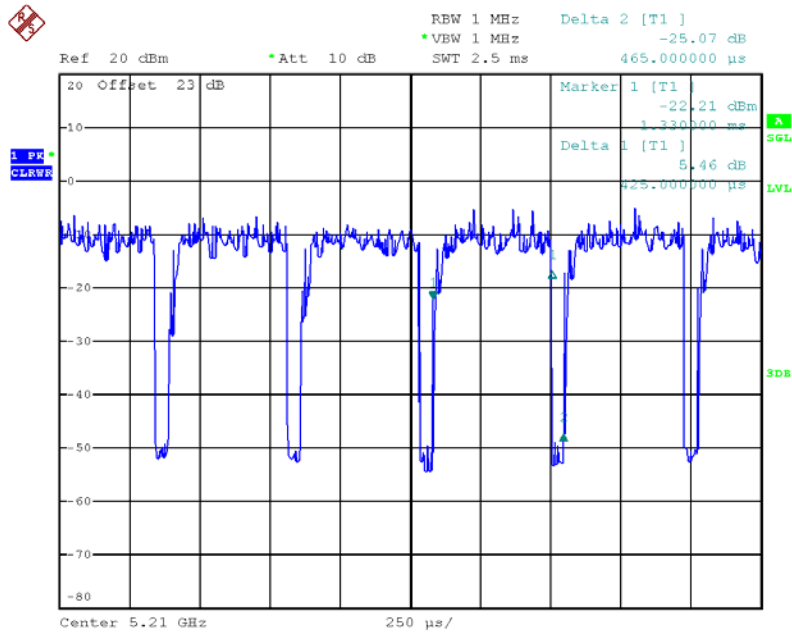
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IEEE 802.11ac MCS0/Nss3 VHT40



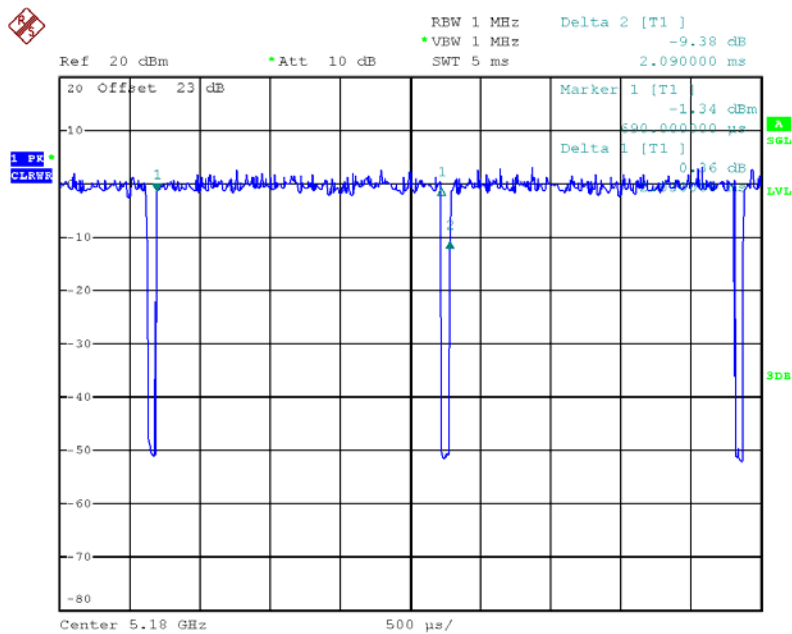
Date: 14.MAY.2013 15:25:33

IEEE 802.11ac MCS0/Nss3 VHT80



Date: 14.MAY.2013 15:33:52

IEEE 802.11a

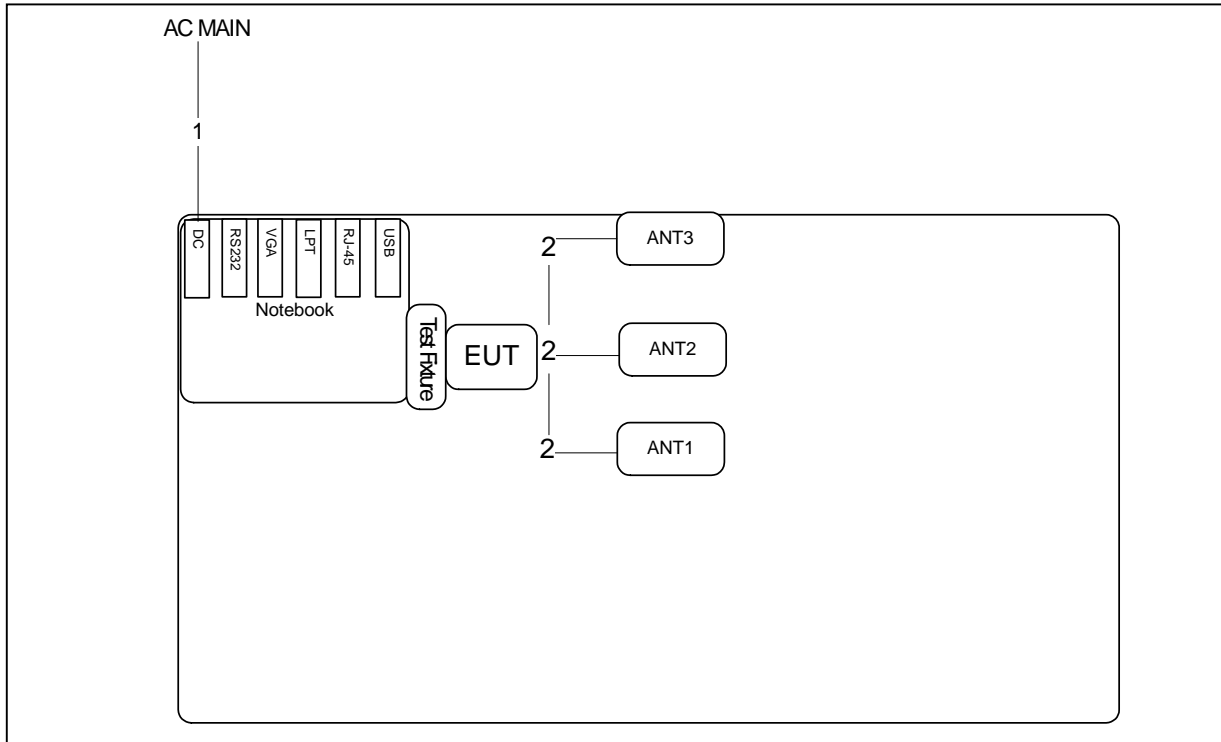


Date: 14.MAY.2013 13:08:59

3.14. Test Configurations

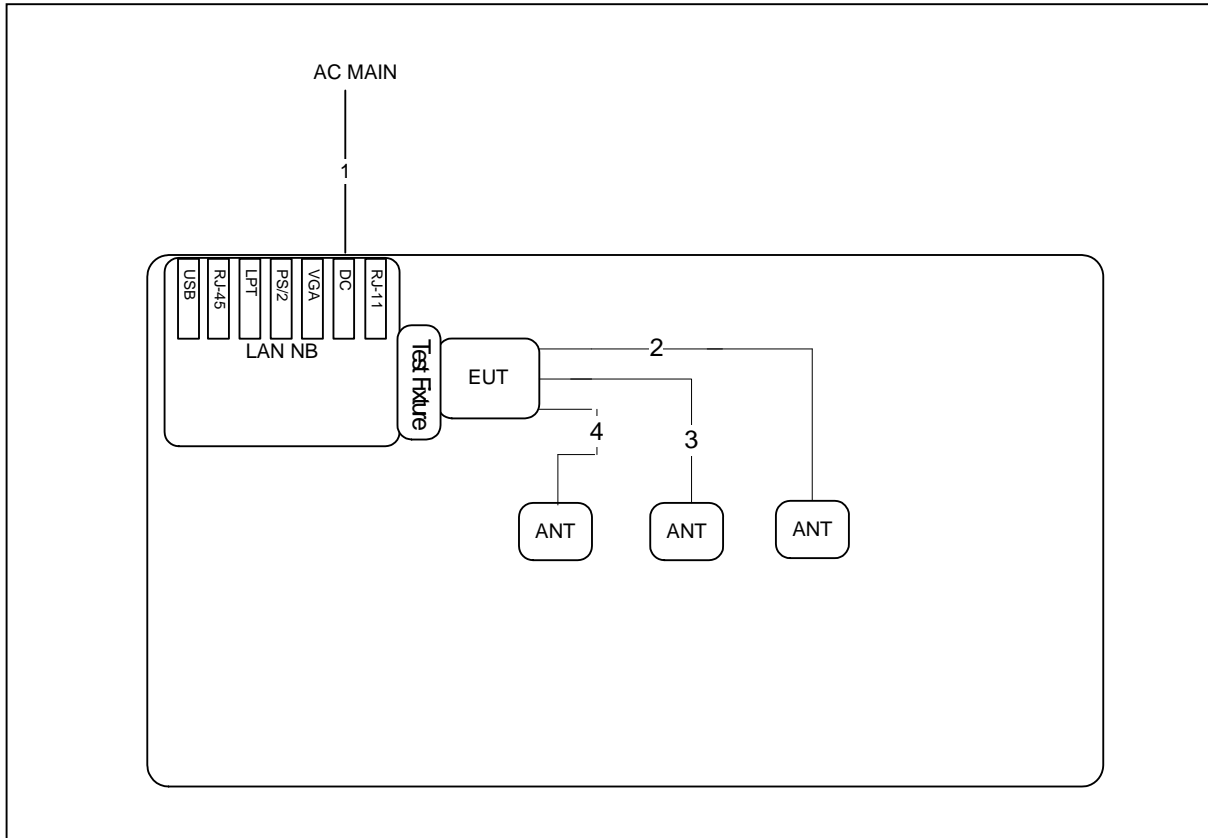
3.14.1. AC Power Line Conduction and Radiation Emissions Test Configuration

Test Configuration: Conduction and Radiation 30MHz~1GHz / Test Mode: Mode 1



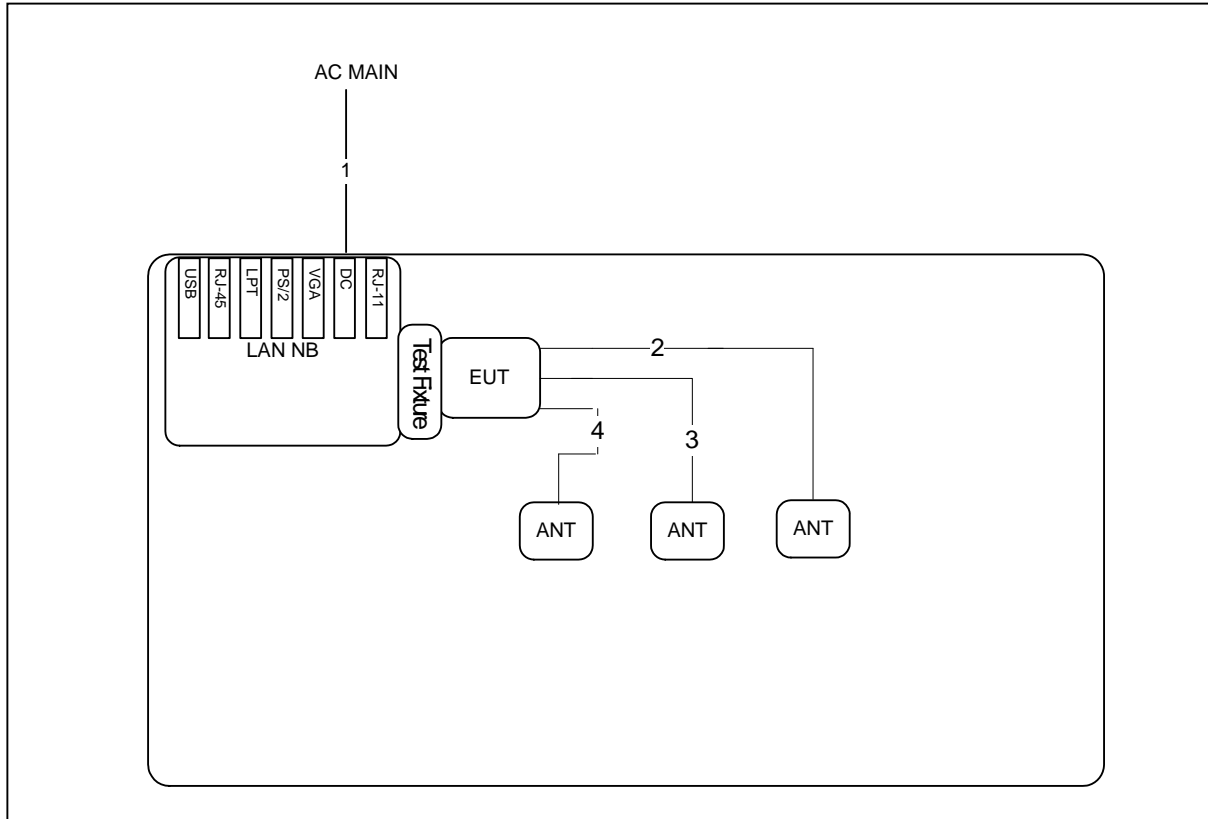
Item	Connection	Shield	Length
1	Power cable	No	2.97m
2	Ant cable	No	1.1m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 1



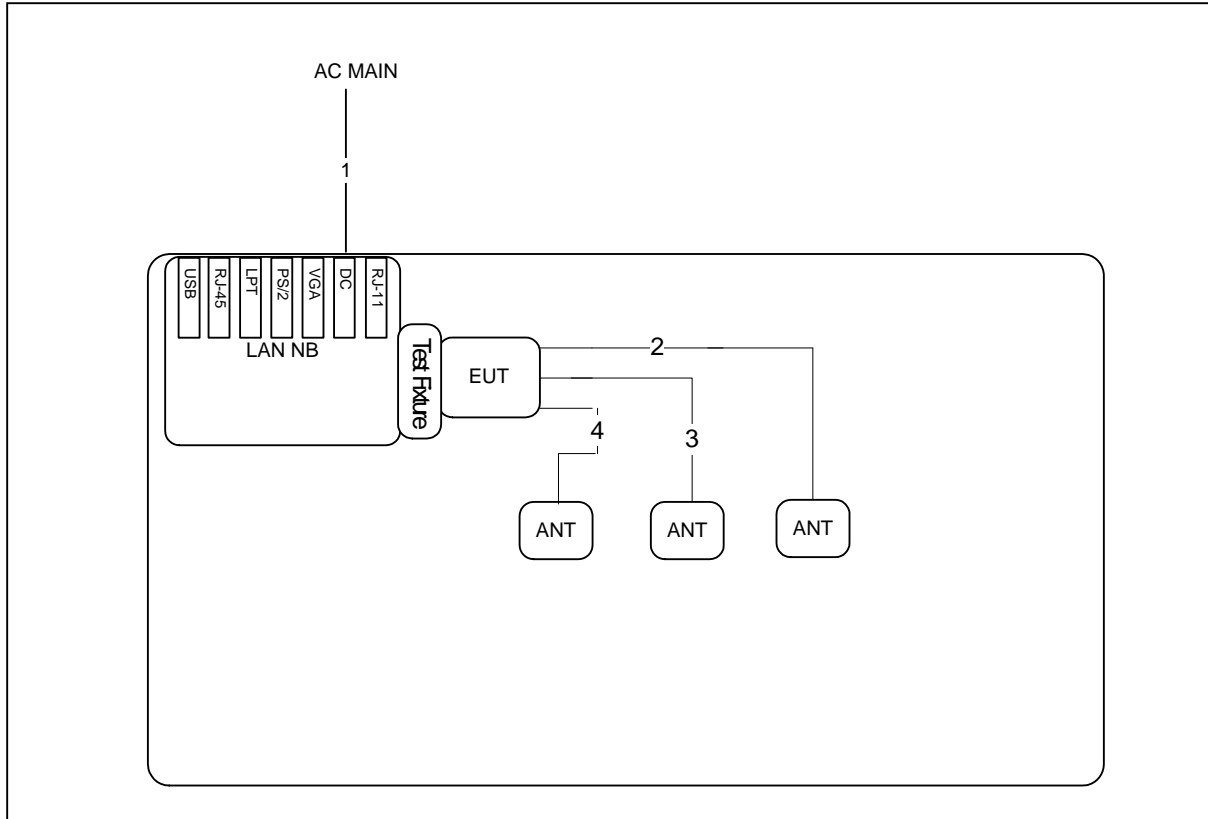
Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	1.2m
3	Ant cable	Yes	1.2m
4	Ant cable	Yes	1.2m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 2



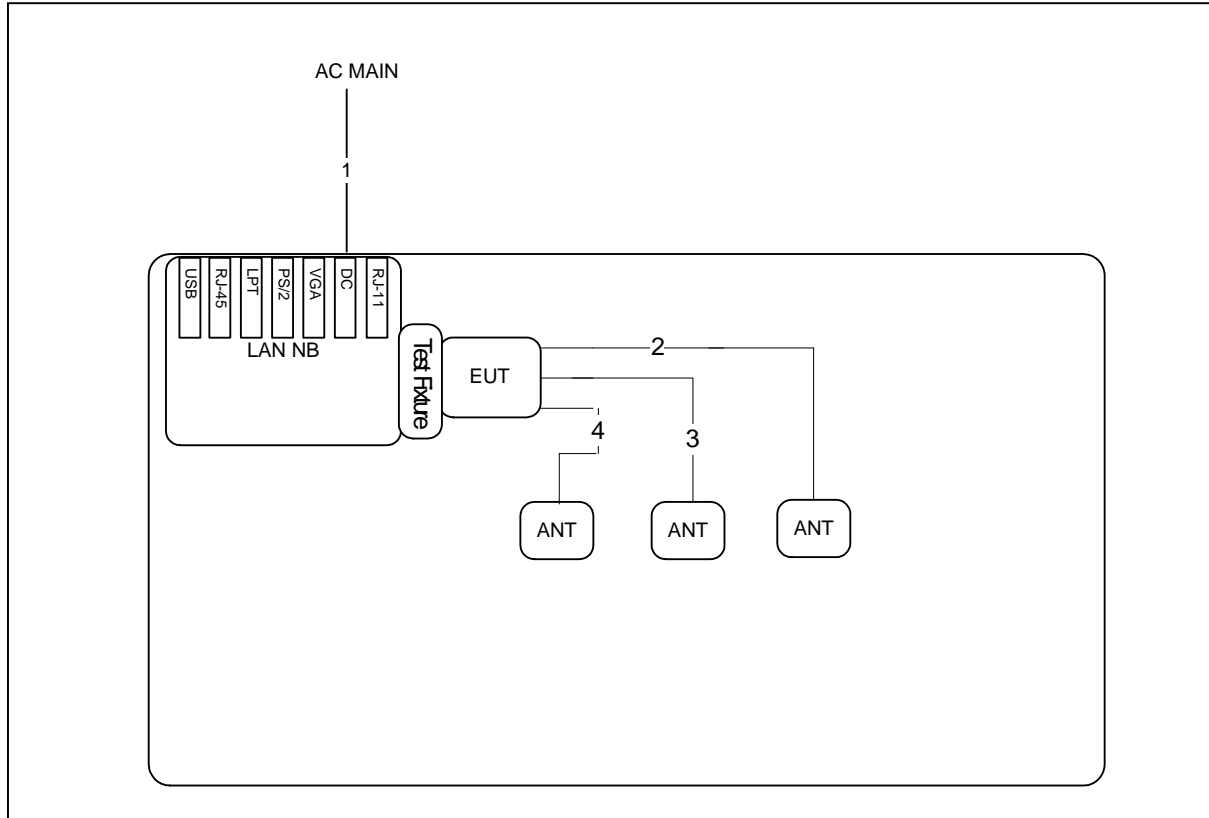
Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	1.1m
3	Ant cable	Yes	1.1m
4	Ant cable	Yes	1.1m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 3



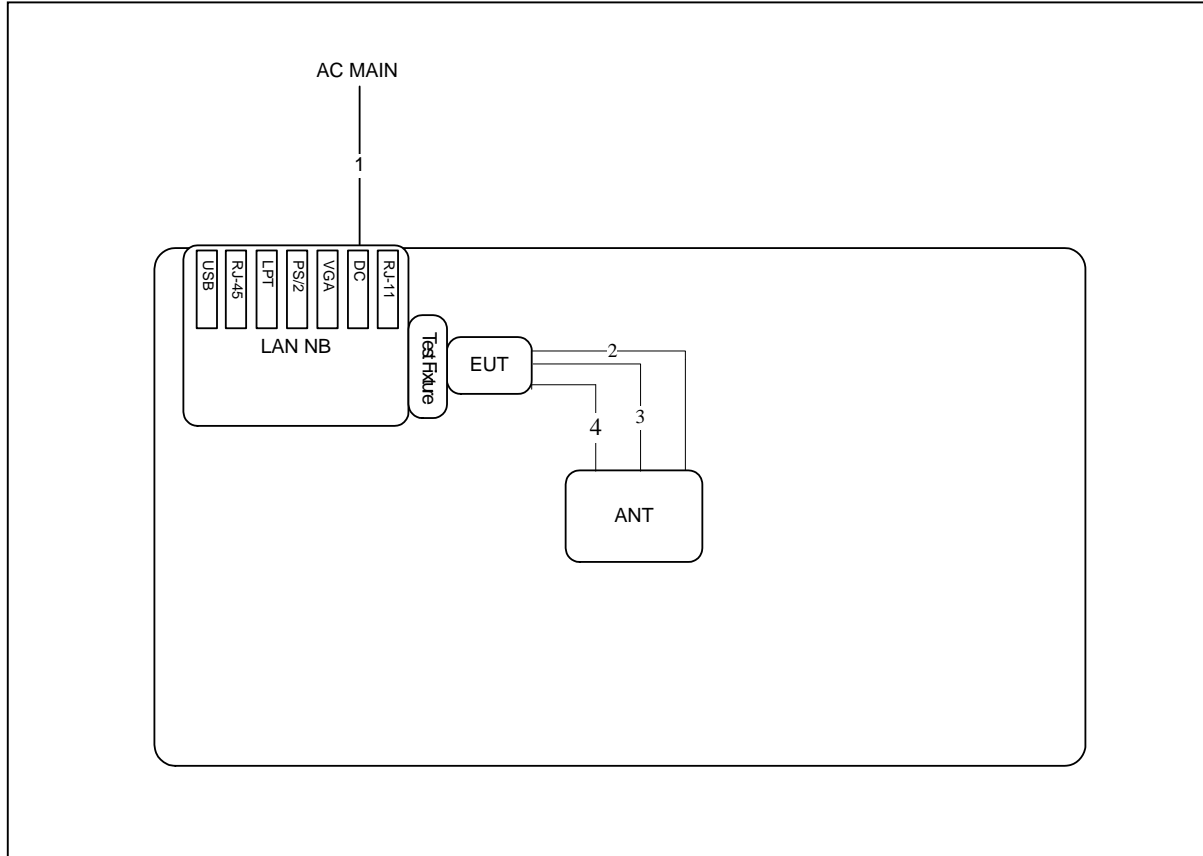
Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	1.2m
3	Ant cable	Yes	1.2m
4	Ant cable	Yes	1.2m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 4



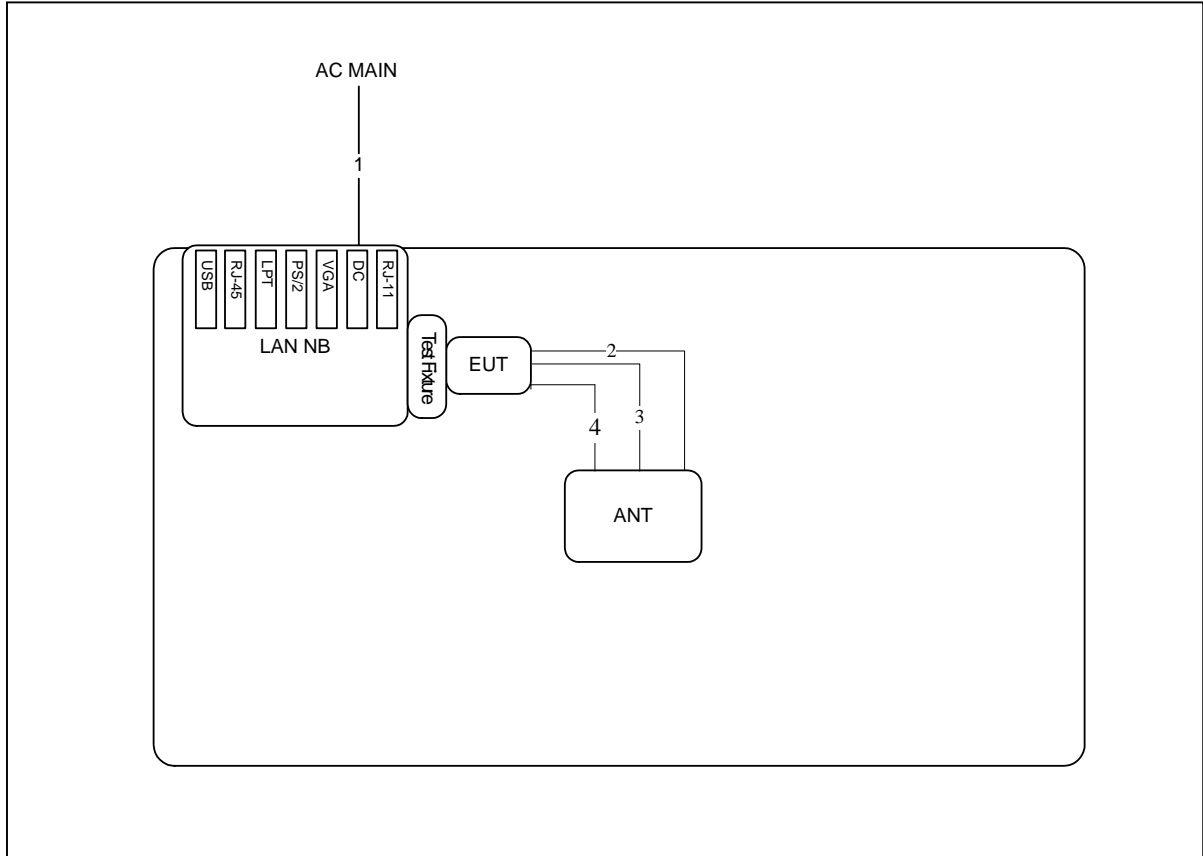
Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	1.2m
3	Ant cable	Yes	1.2m
4	Ant cable	Yes	1.2m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 5



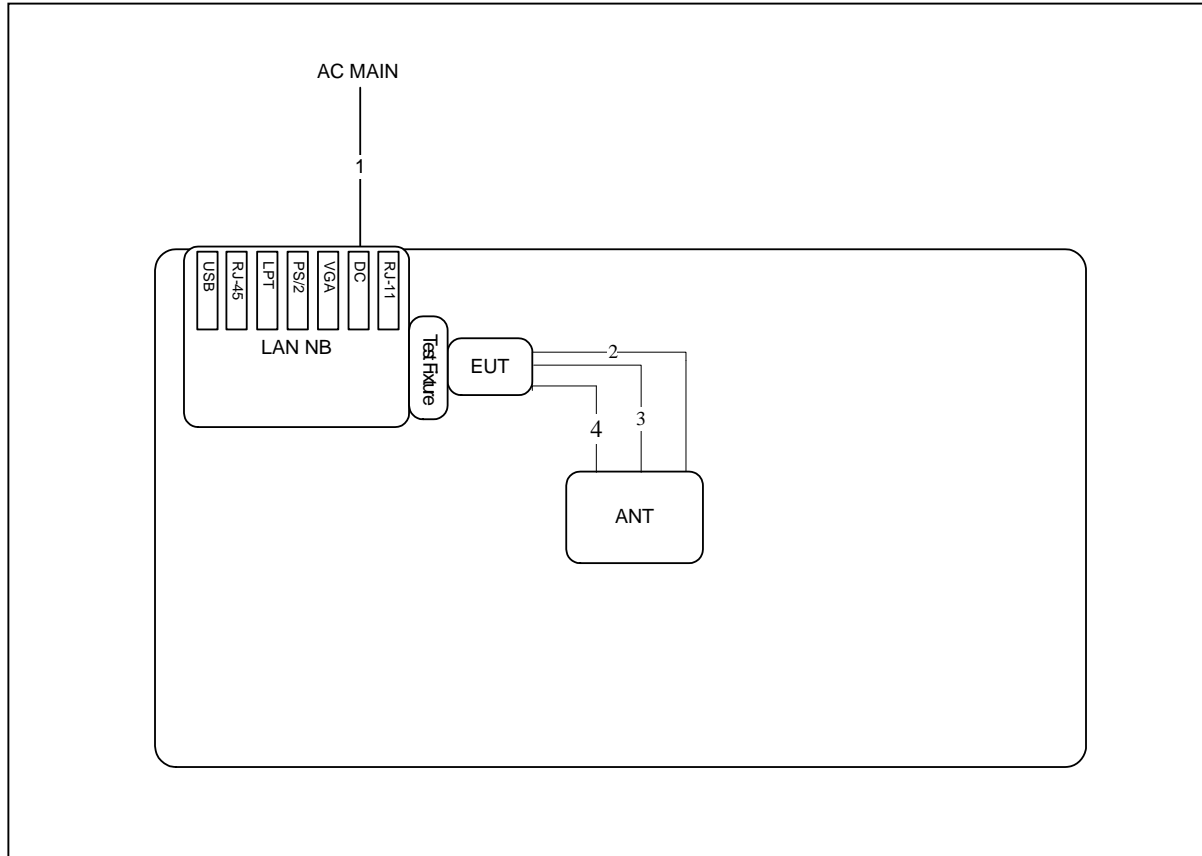
Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	0.25m
3	Ant cable	Yes	0.25m
4	Ant cable	Yes	0.25m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 6



Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	1.1m
3	Ant cable	Yes	1.1m
4	Ant cable	Yes	1.1m

Test Configuration: Radiation above 1GHz / Test Mode: Mode 7



Item	Connection	Shield	Length
1	Power cable	No	1.8m
2	Ant cable	Yes	0.18m
3	Ant cable	Yes	0.18m
4	Ant cable	Yes	0.18m

4. TEST RESULT

4.1. AC Power Line Conducted Emissions Measurement

4.1.1. Limit

For this product that is designed to connect to the AC power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed below limits table.

Frequency (MHz)	QP Limit (dBuV)	AV Limit (dBuV)
0.15~0.5	66~56	56~46
0.5~5	56	46
5~30	60	50

4.1.2. Measuring Instruments and Setting

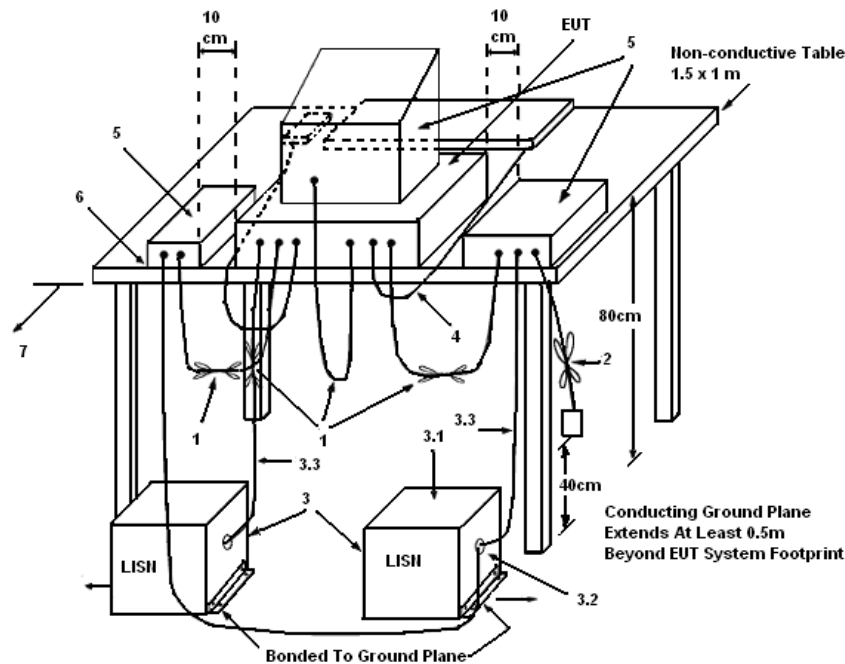
Please refer to section 5 of equipments list in this report. The following table is the setting of the receiver.

Receiver Parameters	Setting
Attenuation	10 dB
Start Frequency	0.15 MHz
Stop Frequency	30 MHz
IF Bandwidth	9 KHz

4.1.3. Test Procedures

1. Configure the EUT according to ANSI C63.10. The EUT or host of EUT has to be placed 0.4 meter far from the conducting wall of the shielding room and at least 80 centimeters from any other grounded conducting surface.
2. Connect EUT or host of EUT to the power mains through a line impedance stabilization network (LISN).
3. All the support units are connected to the other LISNs. The LISN should provide 50uH/50ohms coupling impedance.
4. The frequency range from 150 KHz to 30 MHz was searched.
5. Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
6. The measurement has to be done between each power line and ground at the power terminal.

4.1.4. Test Setup Layout



LEGEND:

- (1) Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- (2) I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- (3) EUT connected to one LISN. Unused LISN measuring port connectors shall be terminated in 50 Ω . LISN can be placed on top of, or immediately beneath, reference ground plane.
 - (3.1) All other equipment powered from additional LISN(s).
 - (3.2) Multiple outlet strip can be used for multiple power cords of non-EUT equipment.
 - (3.3) LISN at least 80 cm from nearest part of EUT chassis.
- (4) Cables of hand-operated devices, such as keyboards, mice, etc., shall be placed as for normal use.
- (5) Non-EUT components of EUT system being tested.
- (6) Rear of EUT, including peripherals, shall all be aligned and flush with rear of tabletop.
- (7) Rear of tabletop shall be 40 cm removed from a vertical conducting plane that is bonded to the ground plane.

4.1.5. Test Deviation

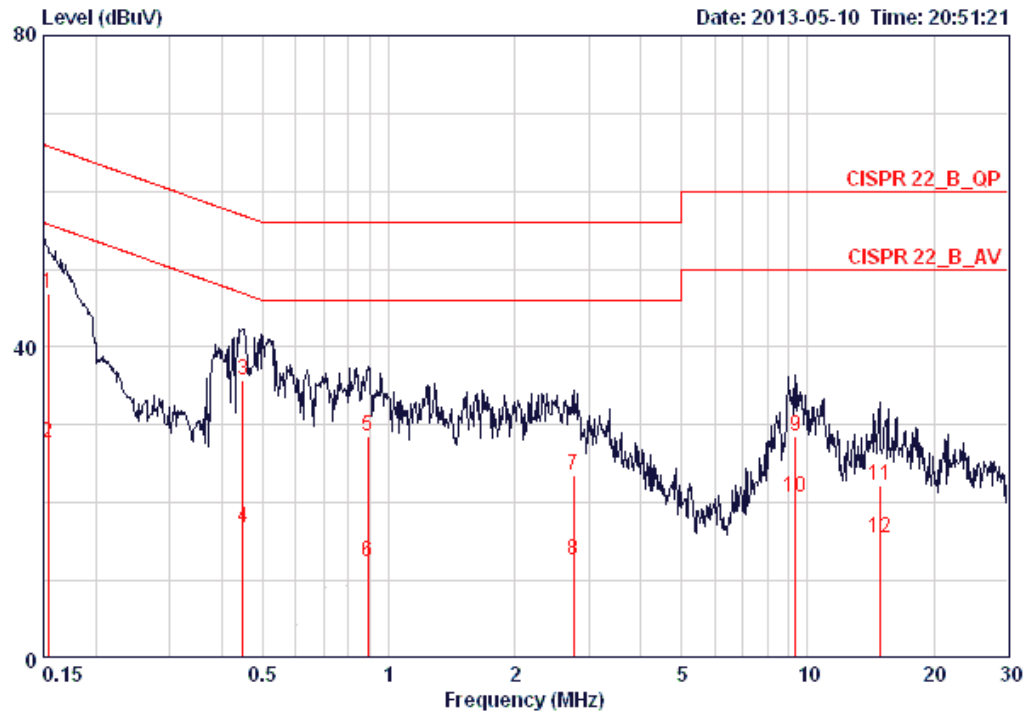
There is no deviation with the original standard.

4.1.6. EUT Operation during Test

The EUT was placed on the test table and programmed in normal function.

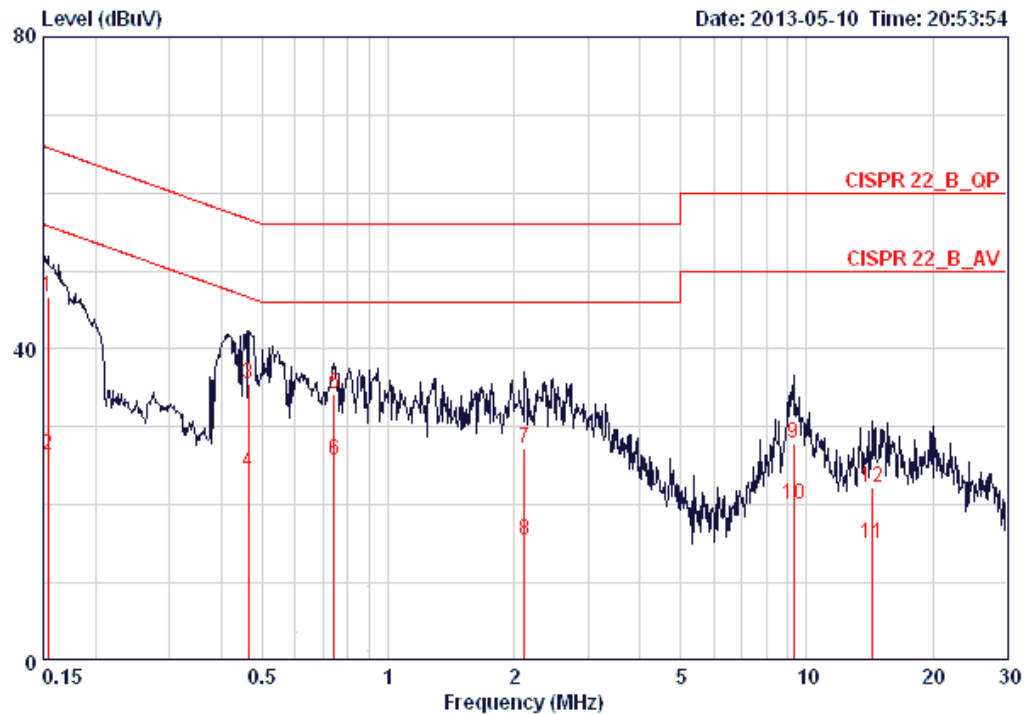
4.1.7. Results of AC Power Line Conducted Emissions Measurement

Temperature	24°C	Humidity	48%
Test Engineer	Hank Yang	Phase	Line
Configuration	CTX	Test Mode	Mode 1



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.15403	46.97	-18.81	65.78	46.63	0.16	0.18	LINE	QP
2	0.15403	27.66	-28.12	55.78	27.32	0.16	0.18	LINE	AVERAGE
3	0.44916	35.73	-21.16	56.89	35.38	0.15	0.20	LINE	QP
4	0.44916	16.72	-30.17	46.89	16.37	0.15	0.20	LINE	AVERAGE
5	0.88969	28.64	-27.36	56.00	28.27	0.17	0.20	LINE	QP
6	0.88969	12.47	-33.53	46.00	12.10	0.17	0.20	LINE	AVERAGE
7	2.765	23.63	-32.37	56.00	23.18	0.20	0.25	LINE	QP
8	2.765	12.54	-33.46	46.00	12.09	0.20	0.25	LINE	AVERAGE
9	9.352	28.46	-31.54	60.00	27.81	0.33	0.32	LINE	QP
10	9.352	20.79	-29.21	50.00	20.14	0.33	0.32	LINE	AVERAGE
11	14.828	22.34	-37.66	60.00	21.52	0.41	0.41	LINE	QP
12	14.828	15.57	-34.43	50.00	14.75	0.41	0.41	LINE	AVERAGE

Temperature	24°C	Humidity	48%
Test Engineer	Hank Yang	Phase	Neutral
Configuration	CTX	Test Mode	Mode 1



	Freq	Level	Over Limit	Limit Line	Read Level	LISN Factor	Cable Loss	Pol/Phase	Remark
	MHz	dBuV	dB	dBuV	dBuV	dB	dB		
1	0.15403	46.71	-19.07	65.78	46.45	0.08	0.18	NEUTRAL	QP
2	0.15403	26.36	-29.42	55.78	26.10	0.08	0.18	NEUTRAL	AVERAGE
3	0.46367	35.43	-21.20	56.63	35.15	0.08	0.20	NEUTRAL	QP
4	0.46367	24.20	-22.43	46.63	23.92	0.08	0.20	NEUTRAL	AVERAGE
5	0.74302	34.15	-21.85	56.00	33.86	0.09	0.20	NEUTRAL	QP
6	0.74302	25.64	-20.36	46.00	25.35	0.09	0.20	NEUTRAL	AVERAGE
7	2.121	27.34	-28.66	56.00	27.00	0.11	0.23	NEUTRAL	QP
8	2.121	15.47	-30.53	46.00	15.13	0.11	0.23	NEUTRAL	AVERAGE
9	9.302	27.95	-32.05	60.00	27.41	0.23	0.32	NEUTRAL	QP
10	9.302	20.12	-29.88	50.00	19.58	0.23	0.32	NEUTRAL	AVERAGE
11	14.364	15.04	-34.96	50.00	14.33	0.31	0.40	NEUTRAL	AVERAGE
12	14.364	22.19	-37.81	60.00	21.48	0.31	0.40	NEUTRAL	QP

Note:

Level = Read Level + LISN Factor + Cable Loss.

4.2. 26dB Bandwidth & 99% Occupied Bandwidth Measurement

4.2.1. Limit

No restriction limits.

4.2.2. Measuring Instruments and Setting

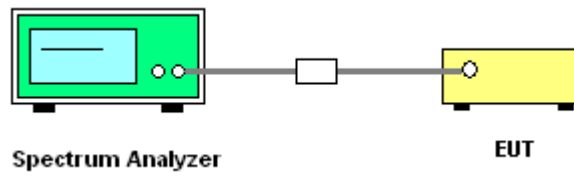
Please refer to section 5 of equipments list in this report. The following table is the setting of the spectrum analyzer.

26dB Bandwidth	
Spectrum Parameters	Setting
Attenuation	Auto
Span Frequency	> 26dB Bandwidth
RBW	Approximately 1% of the emission bandwidth
VBW	VBW > RBW
Detector	Peak
Trace	Max Hold
Sweep Time	Auto
99% Occupied Bandwidth	
Spectrum Parameters	Setting
Span	1.5 times to 5.0 times the OBW
RBW	1 % to 5 % of the OBW
VBW	$\geq 3 \times \text{RBW}$
Detector	Peak
Trace	Max Hold

4.2.3. Test Procedures

1. The transmitter output (antenna port) was connected to the spectrum analyzer in peak hold mode.
2. Measure the maximum width of the emission that is 26 dB down from the peak of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

4.2.4. Test Setup Layout



4.2.5. Test Deviation

There is no deviation with the original standard.

4.2.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

4.2.7. Test Result of 26dB Bandwidth & 99% Occupied Bandwidth

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Mode	Mode 1 (Ant.1 Dipole antenna / 8dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	29.44	18.88
56	5280 MHz	26.88	18.56
60	5300 MHz	30.08	18.88
64	5320 MHz	25.76	18.24
100	5500 MHz	26.56	18.24
116	5580 MHz	26.24	18.40
140	5700 MHz	25.12	18.24

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	60.16	37.12
62	5310 MHz	50.56	36.48
102	5510 MHz	47.04	36.48
110	5550 MHz	54.08	36.48
134	5670 MHz	47.68	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	94.72	76.80
106	5530 MHz	94.72	76.80

2TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.40	16.80
56	5280 MHz	20.48	16.96
60	5300 MHz	25.60	18.88
64	5320 MHz	20.16	16.48
100	5500 MHz	20.32	16.64
116	5580 MHz	24.80	18.88
140	5700 MHz	25.44	18.88

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.72	37.12
62	5310 MHz	44.80	36.16
102	5510 MHz	44.48	36.16
110	5550 MHz	40.96	35.84
134	5670 MHz	42.24	35.84

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	89.60	76.80
106	5530 MHz	97.92	75.52

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.80	18.24
56	5280 MHz	23.84	18.08
60	5300 MHz	24.00	18.24
64	5320 MHz	23.52	18.24
100	5500 MHz	23.68	18.08
116	5580 MHz	23.04	18.24
140	5700 MHz	24.00	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.40	36.48
62	5310 MHz	46.72	36.48
102	5510 MHz	45.76	36.48
110	5550 MHz	44.80	36.48
134	5670 MHz	45.44	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	91.52	76.16
106	5530 MHz	92.16	76.80

3TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.80	18.88
56	5280 MHz	24.48	17.92
60	5300 MHz	24.16	17.92
64	5320 MHz	23.52	17.76
100	5500 MHz	25.12	19.20
116	5580 MHz	20.32	16.48
140	5700 MHz	23.84	17.76

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	44.48	36.16
62	5310 MHz	39.04	35.20
102	5510 MHz	45.76	36.16
110	5550 MHz	44.80	36.48
134	5670 MHz	38.08	34.56

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	92.80	76.16
106	5530 MHz	92.80	76.16

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.20	17.92
56	5280 MHz	23.04	17.92
60	5300 MHz	22.88	17.92
64	5320 MHz	23.52	17.92
100	5500 MHz	23.36	17.92
116	5580 MHz	22.56	18.08
140	5700 MHz	22.40	18.08

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	44.48	36.48
62	5310 MHz	48.64	36.48
102	5510 MHz	46.08	36.16
110	5550 MHz	46.08	35.84
134	5670 MHz	45.76	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	85.76	76.16
106	5530 MHz	86.40	76.80

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.88	18.08
56	5280 MHz	23.52	18.08
60	5300 MHz	22.08	18.08
64	5320 MHz	22.24	17.92
100	5500 MHz	23.84	18.08
116	5580 MHz	23.52	18.08
140	5700 MHz	24.00	18.24

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.08	36.48
62	5310 MHz	44.16	36.48
102	5510 MHz	42.88	36.48
110	5550 MHz	42.24	36.48
134	5670 MHz	43.52	36.48

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	88.32	76.16
106	5530 MHz	85.12	76.16

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Mode	Mode 2 (Ant.3 Panel antenna / 12.5dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.96	18.24
56	5280 MHz	25.28	18.24
60	5300 MHz	24.96	18.24
64	5320 MHz	25.60	18.24
100	5500 MHz	25.28	18.24
116	5580 MHz	25.12	18.24
140	5700 MHz	26.08	18.24

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	47.68	36.48
62	5310 MHz	47.04	36.48
102	5510 MHz	50.88	36.48
110	5550 MHz	48.32	36.48
134	5670 MHz	48.00	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	95.36	76.16
106	5530 MHz	92.80	76.80

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.48	18.72
56	5280 MHz	22.56	16.96
60	5300 MHz	20.48	16.64
64	5320 MHz	20.48	16.80
100	5500 MHz	20.00	16.64
116	5580 MHz	25.12	18.72
140	5700 MHz	20.48	16.32

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	45.12	36.16
62	5310 MHz	45.12	36.16
102	5510 MHz	48.32	37.12
110	5550 MHz	48.00	37.12
134	5670 MHz	47.04	37.12

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
c58	5290 MHz	87.04	74.88
106	5530 MHz	90.88	76.80

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.52	18.24
56	5280 MHz	24.16	18.24
60	5300 MHz	24.16	18.08
64	5320 MHz	23.52	18.24
100	5500 MHz	23.84	18.24
116	5580 MHz	23.36	18.24
140	5700 MHz	23.20	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.40	36.48
62	5310 MHz	44.80	36.48
102	5510 MHz	45.12	36.48
110	5550 MHz	45.44	36.48
134	5670 MHz	46.08	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	88.32	76.16
106	5530 MHz	87.68	76.80

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Mode	Mode 3 (Ant.4 Yagi antenna / 8dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	29.44	18.88
56	5280 MHz	25.44	18.24
60	5300 MHz	28.16	18.72
64	5320 MHz	24.80	18.24
100	5500 MHz	25.12	18.24
116	5580 MHz	26.24	18.40
140	5700 MHz	25.12	18.24

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	60.16	37.12
62	5310 MHz	48.64	36.48
102	5510 MHz	47.04	36.48
110	5550 MHz	54.08	36.48
134	5670 MHz	47.68	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	95.36	76.80
106	5530 MHz	96.00	76.80

2TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.40	16.80
56	5280 MHz	25.28	18.56
60	5300 MHz	20.64	16.80
64	5320 MHz	20.16	16.64
100	5500 MHz	25.12	18.88
116	5580 MHz	24.80	18.88
140	5700 MHz	25.44	18.88

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.72	37.12
62	5310 MHz	48.64	37.12
102	5510 MHz	46.40	37.12
110	5550 MHz	40.96	35.84
134	5670 MHz	45.76	37.12

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	102.40	76.16
106	5530 MHz	89.60	76.80

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.80	18.24
56	5280 MHz	23.68	18.24
60	5300 MHz	24.16	18.08
64	5320 MHz	23.36	18.08
100	5500 MHz	23.36	18.08
116	5580 MHz	23.04	18.24
140	5700 MHz	23.84	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.40	36.48
62	5310 MHz	48.96	36.48
102	5510 MHz	45.76	36.48
110	5550 MHz	44.80	36.48
134	5670 MHz	45.44	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	90.24	76.16
106	5530 MHz	91.52	76.80

3TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.80	18.88
56	5280 MHz	22.24	17.76
60	5300 MHz	24.16	17.92
64	5320 MHz	20.00	16.16
100	5500 MHz	24.80	19.04
116	5580 MHz	20.32	16.48
140	5700 MHz	23.36	17.76

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	44.48	36.16
62	5310 MHz	45.44	36.48
102	5510 MHz	38.72	34.24
110	5550 MHz	44.80	36.48
134	5670 MHz	38.08	34.56

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	93.44	75.52
106	5530 MHz	92.16	76.16

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.20	17.92
56	5280 MHz	23.04	17.60
60	5300 MHz	22.08	18.08
64	5320 MHz	22.24	18.08
100	5500 MHz	22.24	18.24
116	5580 MHz	22.56	18.08
140	5700 MHz	23.20	18.08

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	44.48	36.48
62	5310 MHz	46.40	36.16
102	5510 MHz	45.44	36.48
110	5550 MHz	46.08	35.84
134	5670 MHz	45.76	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	88.32	76.80
106	5530 MHz	91.52	76.80

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.88	18.08
56	5280 MHz	23.84	18.08
60	5300 MHz	23.52	18.24
64	5320 MHz	22.24	18.08
100	5500 MHz	23.52	18.24
116	5580 MHz	23.52	18.08
140	5700 MHz	21.92	18.08

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.08	36.48
62	5310 MHz	44.48	36.48
102	5510 MHz	43.52	36.80
110	5550 MHz	42.24	36.48
134	5670 MHz	43.52	36.48

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	80.64	76.16
106	5530 MHz	89.60	76.16

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Mode	Mode 4 (Ant.5 Patch antenna / 2.3dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	34.72	19.84
60	5300 MHz	36.96	20.48
64	5320 MHz	26.08	18.24
100	5500 MHz	24.16	18.24
116	5580 MHz	31.36	19.04
140	5700 MHz	25.76	18.40

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	60.16	37.44
62	5310 MHz	48.96	36.80
102	5510 MHz	46.72	36.48
110	5550 MHz	61.76	37.12
134	5670 MHz	48.96	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	99.84	76.80
106	5530 MHz	96.64	76.80

2TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.72	16.96
60	5300 MHz	26.08	18.72
64	5320 MHz	25.28	18.88
100	5500 MHz	24.80	18.88
116	5580 MHz	20.32	16.00
140	5700 MHz	25.12	18.88

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	48.64	37.12
62	5310 MHz	42.24	36.16
102	5510 MHz	44.48	36.16
110	5550 MHz	46.72	37.12
134	5670 MHz	45.44	36.46

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	90.88	76.80
106	5530 MHz	99.20	76.16

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	25.44	18.24
60	5300 MHz	24.96	18.24
64	5320 MHz	23.84	18.08
100	5500 MHz	23.36	18.08
116	5580 MHz	23.68	18.24
140	5700 MHz	23.36	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	50.56	36.48
62	5310 MHz	48.32	36.48
102	5510 MHz	45.76	36.48
110	5550 MHz	45.12	36.48
134	5670 MHz	44.48	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	90.24	76.16
106	5530 MHz	91.52	76.80

3TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.00	17.92
60	5300 MHz	23.52	17.76
64	5320 MHz	20.00	16.00
100	5500 MHz	25.12	19.36
116	5580 MHz	24.00	17.76
140	5700 MHz	23.68	17.76

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.72	36.48
62	5310 MHz	45.44	36.16
102	5510 MHz	38.72	34.24
110	5550 MHz	45.12	37.44
134	5670 MHz	43.84	36.16

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	93.44	75.52
106	5530 MHz	91.52	76.16

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.20	18.40
60	5300 MHz	22.56	17.92
64	5320 MHz	22.72	18.08
100	5500 MHz	22.24	18.24
116	5580 MHz	23.20	18.08
140	5700 MHz	24.32	17.92

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	50.24	36.48
62	5310 MHz	46.72	36.48
102	5510 MHz	46.40	36.16
110	5550 MHz	45.76	36.48
134	5670 MHz	42.24	35.84

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	88.96	76.16
106	5530 MHz	91.52	76.80

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	21.92	17.92
60	5300 MHz	23.20	18.08
64	5320 MHz	23.20	17.92
100	5500 MHz	22.40	17.92
116	5580 MHz	23.84	18.08
140	5700 MHz	22.08	17.92

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	43.20	36.48
62	5310 MHz	46.08	36.48
102	5510 MHz	42.88	36.48
110	5550 MHz	45.76	36.48
134	5670 MHz	46.08	36.48

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	87.04	76.16
106	5530 MHz	81.92	76.16

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Mode	Mode 5 (Ant.6 Facade antenna / 2.5dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	34.72	19.84
60	5300 MHz	36.96	20.48
64	5320 MHz	24.96	18.24
100	5500 MHz	24.16	18.24
116	5580 MHz	31.36	19.04
140	5700 MHz	24.64	18.24

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	60.16	37.44
62	5310 MHz	48.32	36.48
102	5510 MHz	47.36	36.48
110	5550 MHz	61.76	37.12
134	5670 MHz	48.96	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	98.56	76.80
106	5530 MHz	98.56	76.80

2TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.72	16.96
60	5300 MHz	20.64	16.64
64	5320 MHz	20.64	16.80
100	5500 MHz	24.80	18.88
116	5580 MHz	20.32	16.00
140	5700 MHz	25.44	18.88

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	48.64	37.12
62	5310 MHz	46.08	37.12
102	5510 MHz	44.48	36.16
110	5550 MHz	46.72	37.12
134	5670 MHz	45.44	36.46

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	97.28	73.60
106	5530 MHz	89.60	75.52

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	25.44	18.24
60	5300 MHz	23.68	18.24
64	5320 MHz	24.32	18.08
100	5500 MHz	23.20	18.24
116	5580 MHz	23.68	18.24
140	5700 MHz	23.36	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	50.56	36.48
62	5310 MHz	45.12	36.80
102	5510 MHz	45.76	36.48
110	5550 MHz	45.12	36.48
134	5670 MHz	44.48	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	88.96	76.16
106	5530 MHz	90.24	76.80

3TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.96	19.04
60	5300 MHz	24.32	17.92
64	5320 MHz	20.00	16.16
100	5500 MHz	24.16	17.76
116	5580 MHz	24.00	17.76
140	5700 MHz	20.48	16.80

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	46.72	36.48
62	5310 MHz	47.04	36.48
102	5510 MHz	45.76	36.48
110	5550 MHz	45.12	37.44
134	5670 MHz	43.84	36.16

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	93.44	75.52
106	5530 MHz	93.44	76.16

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.20	18.40
60	5300 MHz	22.56	18.08
64	5320 MHz	22.40	17.92
100	5500 MHz	22.88	17.92
116	5580 MHz	23.20	18.08
140	5700 MHz	22.40	18.08

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	50.24	36.48
62	5310 MHz	44.80	36.48
102	5510 MHz	45.76	36.48
110	5550 MHz	45.76	36.48
134	5670 MHz	42.24	35.84

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	81.28	76.16
106	5530 MHz	92.16	76.80

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	21.92	17.92
60	5300 MHz	23.20	18.08
64	5320 MHz	22.24	17.92
100	5500 MHz	21.76	17.92
116	5580 MHz	23.84	18.08
140	5700 MHz	23.68	17.92

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	43.20	36.48
62	5310 MHz	45.76	36.48
102	5510 MHz	46.08	36.48
110	5550 MHz	45.76	36.48
134	5670 MHz	46.08	36.48

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	80.00	76.16
106	5530 MHz	81.92	76.16

Temperature	25°C	Humidity	56%
Test Engineer	Denis Su	Configurations	IEEE 802.11ac
Test Mode	Mode 6 (Ant.9 Panel antenna / 9.2dBi)		

3TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.00	17.92
56	5280 MHz	24.16	17.76
60	5300 MHz	24.32	19.04
64	5320 MHz	23.84	17.76
100	5500 MHz	24.80	19.04
116	5580 MHz	23.52	17.76
140	5700 MHz	25.44	19.20

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	38.72	35.52
62	5310 MHz	46.40	36.16
102	5510 MHz	46.08	37.44
110	5550 MHz	45.12	37.76
134	5670 MHz	46.40	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	94.08	75.52
106	5530 MHz	84.04	76.80

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.68	18.24
56	5280 MHz	24.16	18.08
60	5300 MHz	22.88	17.92
64	5320 MHz	22.72	18.08
100	5500 MHz	22.40	17.92
116	5580 MHz	23.36	18.08
140	5700 MHz	23.20	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	45.12	36.48
62	5310 MHz	46.08	36.80
102	5510 MHz	46.72	36.16
110	5550 MHz	44.80	36.48
134	5670 MHz	44.80	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	80.64	76.16
106	5530 MHz	90.24	76.80

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.24	18.08
56	5280 MHz	23.04	18.08
60	5300 MHz	23.52	18.24
64	5320 MHz	23.52	18.24
100	5500 MHz	22.56	18.24
116	5580 MHz	23.36	18.08
140	5700 MHz	23.84	18.24

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	43.84	36.48
62	5310 MHz	44.48	36.48
102	5510 MHz	42.88	36.48
110	5550 MHz	45.76	36.48
134	5670 MHz	45.44	36.48

Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	80.00	76.80
106	5530 MHz	85.12	76.16

Temperature	25°C	Humidity	56%
Test Engineer	Serway Li	Configurations	IEEE 802.11ac
Test Mode	Mode 7 (Ant.10 PIFA antenna / 5.3dBi)		

1TX

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	37.60	20.80
60	5300 MHz	31.36	19.20
64	5320 MHz	25.12	18.24
100	5500 MHz	24.96	18.24
116	5580 MHz	33.12	19.36
140	5700 MHz	24.64	18.24

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	68.48	37.76
62	5310 MHz	48.96	36.80
102	5510 MHz	47.36	36.48
110	5550 MHz	63.68	37.44
134	5670 MHz	49.60	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	97.92	76.32
106	5530 MHz	95.04	76.32

2TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.96	18.40
60	5300 MHz	25.12	18.40
64	5320 MHz	24.96	18.40
100	5500 MHz	25.12	18.40
116	5580 MHz	24.16	18.40
140	5700 MHz	25.60	18.72

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	52.16	36.48
62	5310 MHz	48.32	36.80
102	5510 MHz	46.40	36.80
110	5550 MHz	45.76	36.16
134	5670 MHz	42.88	36.16

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	90.00	76.32
106	5530 MHz	95.04	77.04

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	24.64	18.24
60	5300 MHz	24.48	18.08
64	5320 MHz	24.16	18.24
100	5500 MHz	24.16	18.08
116	5580 MHz	24.64	18.08
140	5700 MHz	24.16	18.24

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	51.52	36.48
62	5310 MHz	47.04	36.48
102	5510 MHz	46.40	36.48
110	5550 MHz	45.76	36.48
134	5670 MHz	46.08	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	92.88	76.32
106	5530 MHz	93.60	76.32

3TX
Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	25.12	18.72
60	5300 MHz	24.48	18.56
64	5320 MHz	24.48	18.56
100	5500 MHz	24.64	18.40
116	5580 MHz	24.48	18.24
140	5700 MHz	24.64	18.40

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	43.84	36.48
62	5310 MHz	44.16	36.48
102	5510 MHz	44.80	36.48
110	5550 MHz	45.12	36.80
134	5670 MHz	44.80	36.48

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	92.80	76.80
106	5530 MHz	85.76	76.80

Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	22.72	18.24
60	5300 MHz	22.88	18.24
64	5320 MHz	22.72	18.24
100	5500 MHz	23.20	18.24
116	5580 MHz	23.04	18.24
140	5700 MHz	22.40	18.08

Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	47.68	36.80
62	5310 MHz	46.72	36.48
102	5510 MHz	47.68	36.48
110	5550 MHz	46.40	36.48
134	5670 MHz	46.40	36.48

Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	80.64	76.80
106	5530 MHz	85.76	76.16

Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
52	5260 MHz	23.52	18.24
60	5300 MHz	24.64	18.24
64	5320 MHz	22.88	17.92
100	5500 MHz	23.04	18.08
116	5580 MHz	22.72	18.08
140	5700 MHz	22.40	18.08

Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
54	5270 MHz	45.76	36.48
62	5310 MHz	46.72	36.48
102	5510 MHz	43.84	36.48
110	5550 MHz	44.80	36.48
134	5670 MHz	44.16	36.48

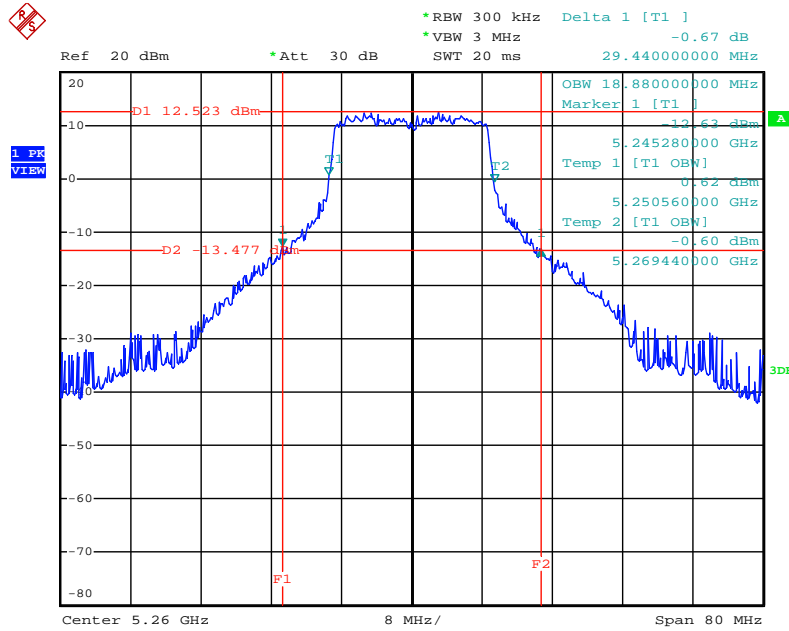
Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3

Channel	Frequency	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)
58	5290 MHz	88.32	76.80
106	5530 MHz	88.96	76.80

Mode 1 (Ant.1 Dipole antenna / 8dBi)

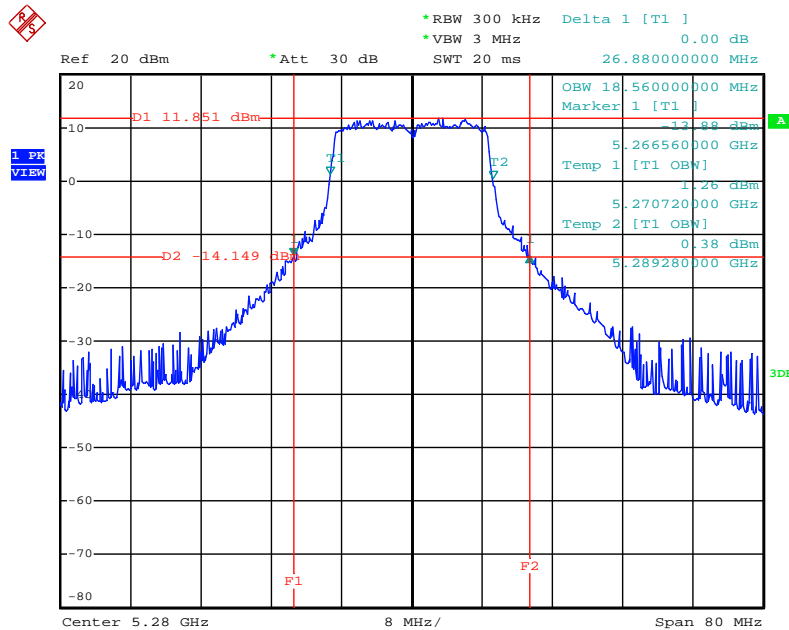
1TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



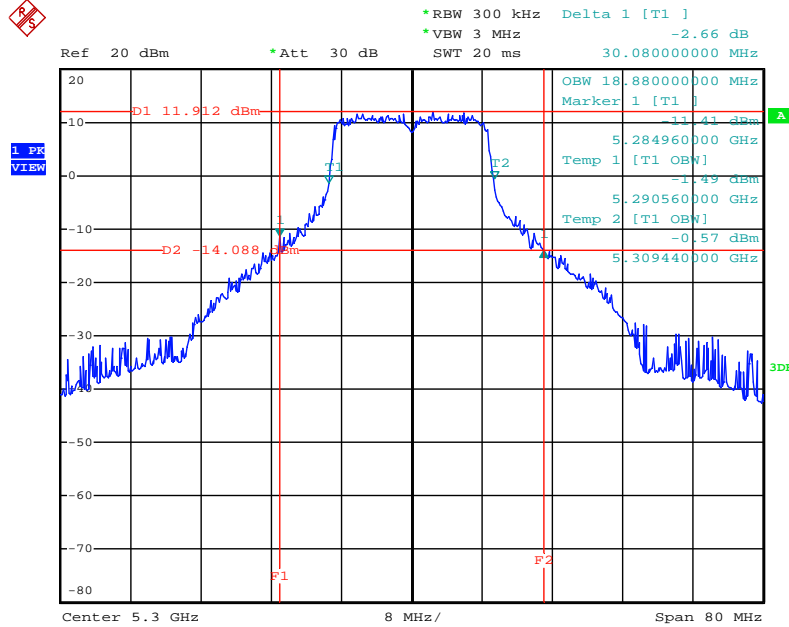
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5280 MHz



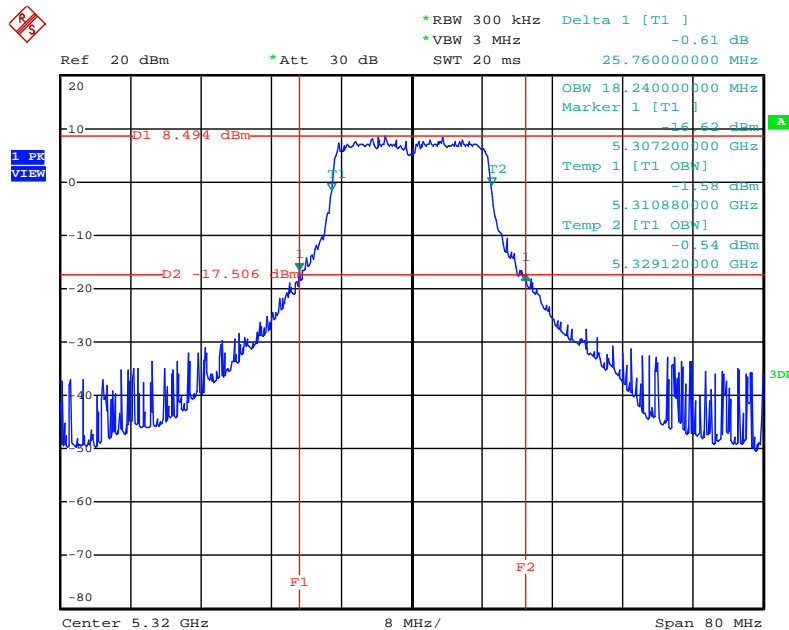
Date: 24.MAY.2013 19:51:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHZ



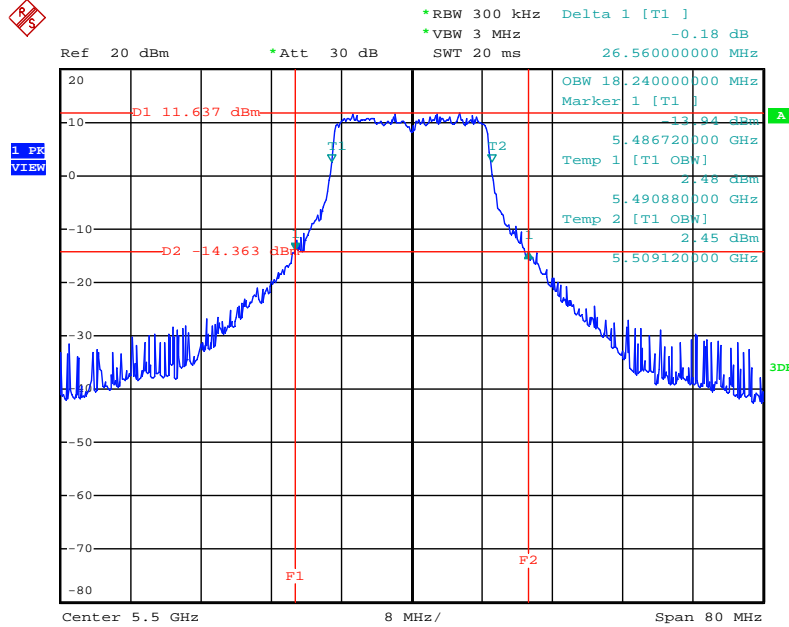
Date: 21.MAY.2013 13:42:23

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5320 MHZ



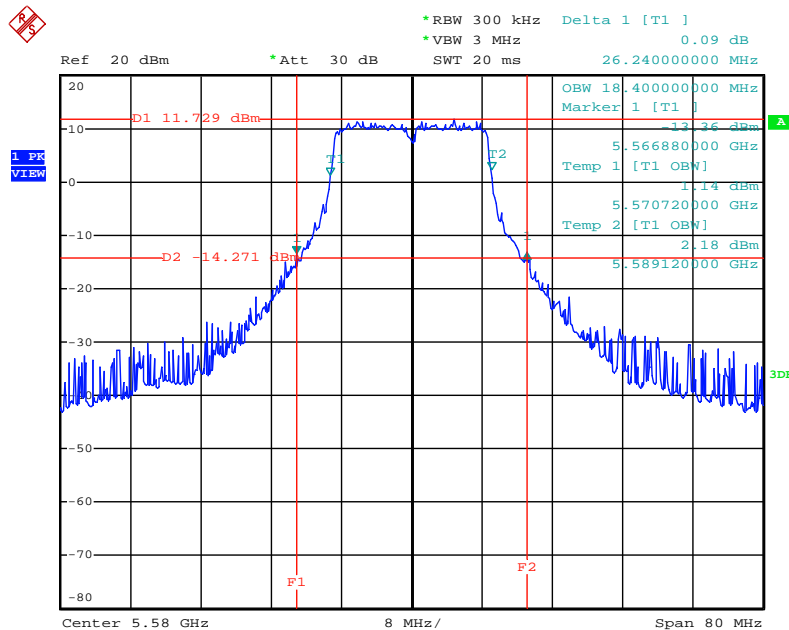
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5500 MHz



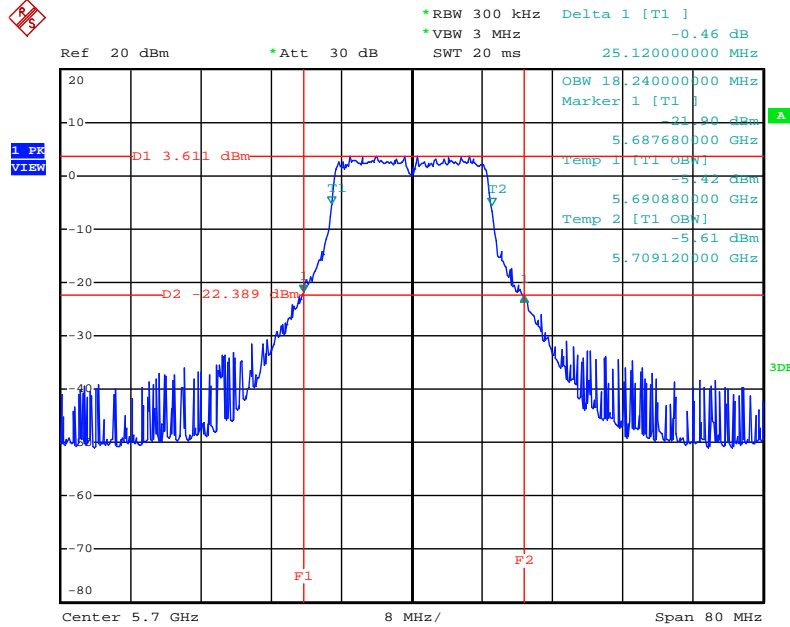
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



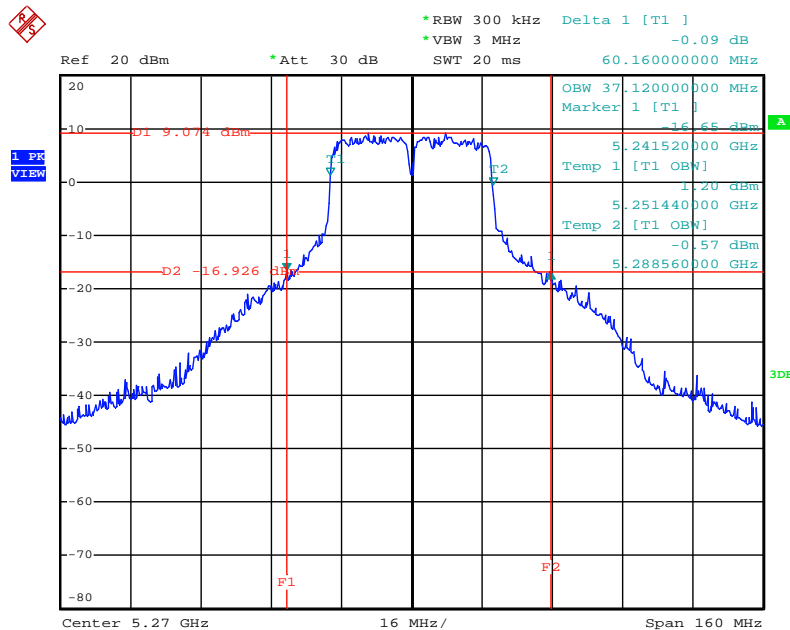
Date: 21.MAY.2013 13:44:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5700 MHz



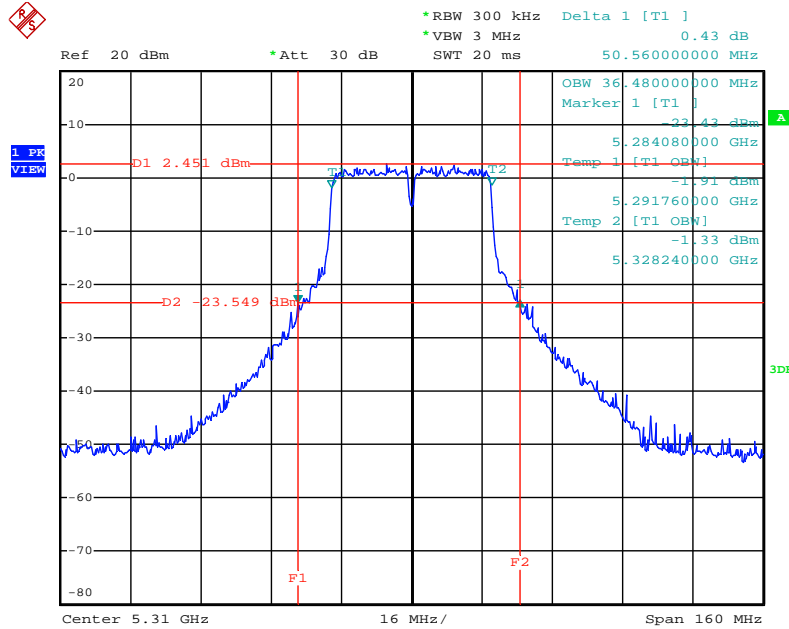
Date: 21.MAY.2013 13:45:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



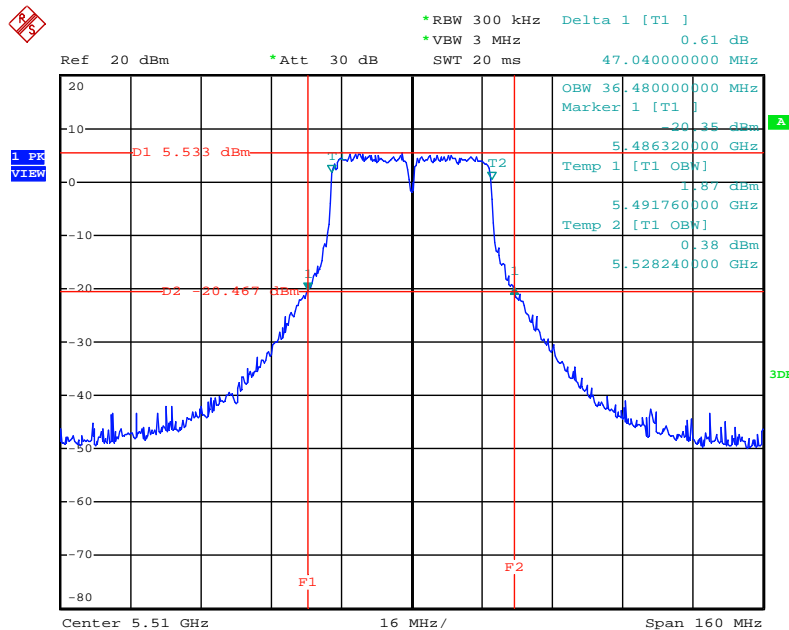
Date: 21.MAY.2013 13:51:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5310 MHz



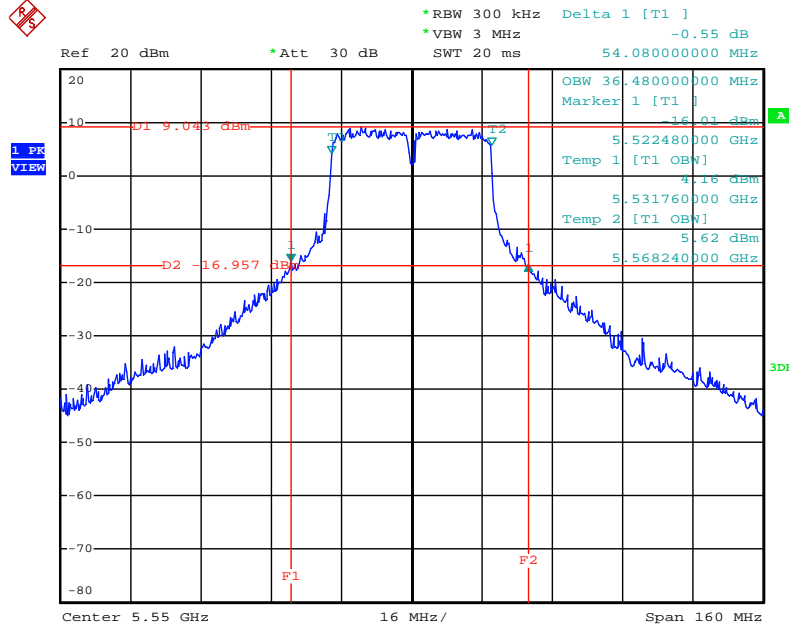
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5510 MHz



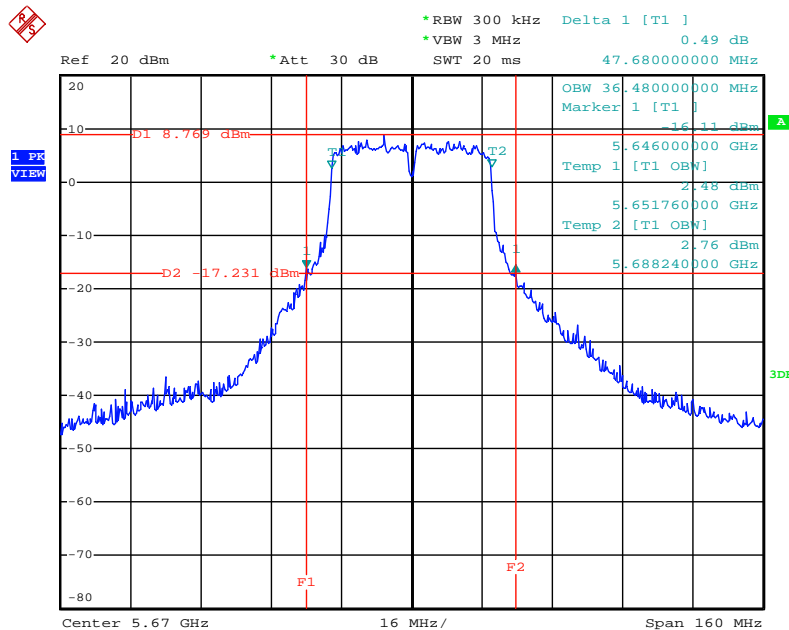
Date: 21.MAY.2013 13:55:25

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



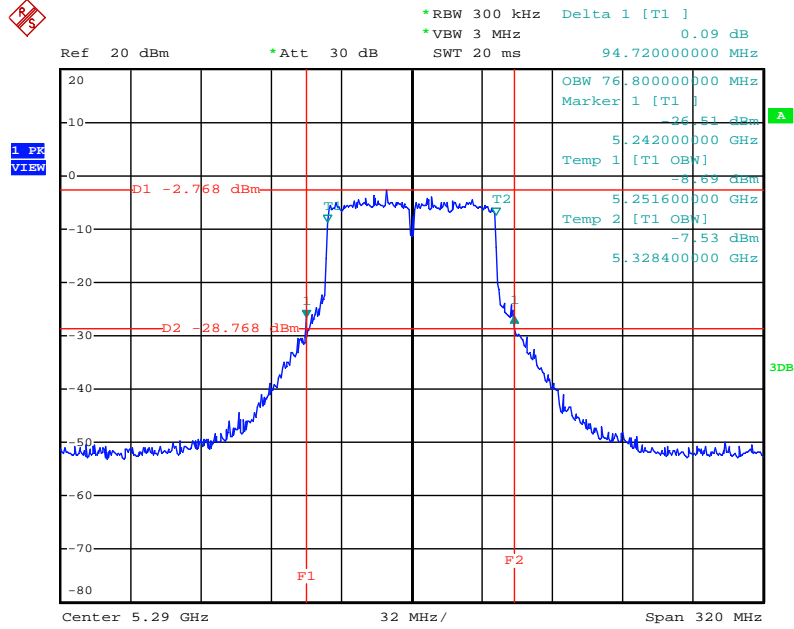
Date: 21.MAY.2013 13:56:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



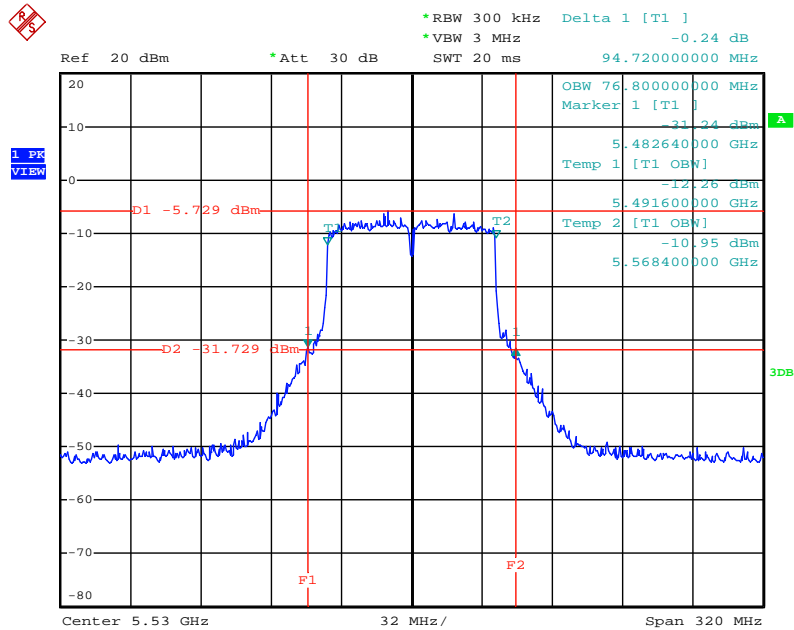
Date: 21.MAY.2013 13:56:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz



Date: 21.MAY.2013 14:03:25

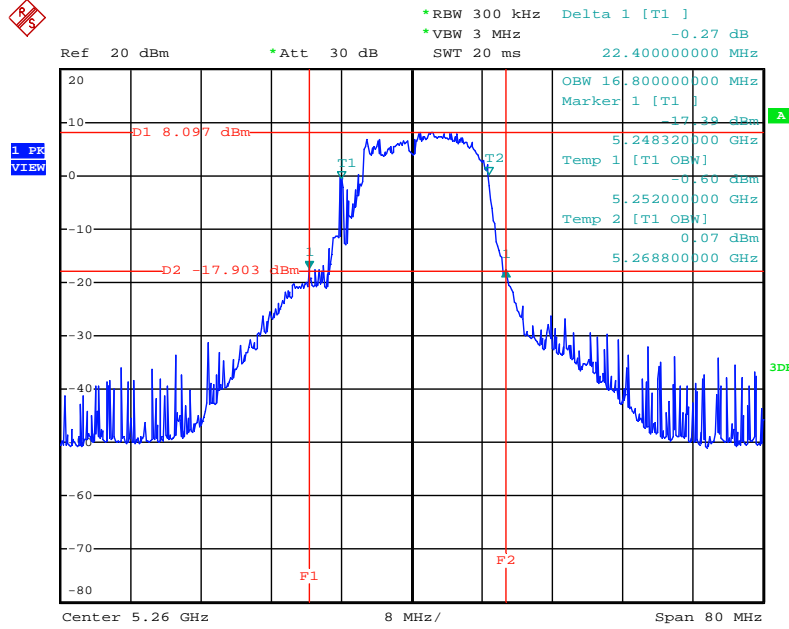
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz



Date: 21.MAY.2013 14:02:29

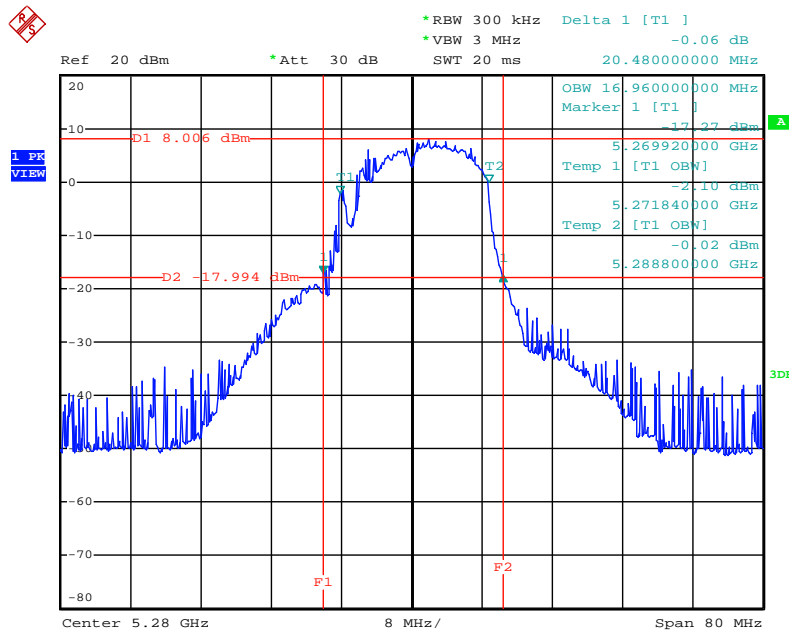
2TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



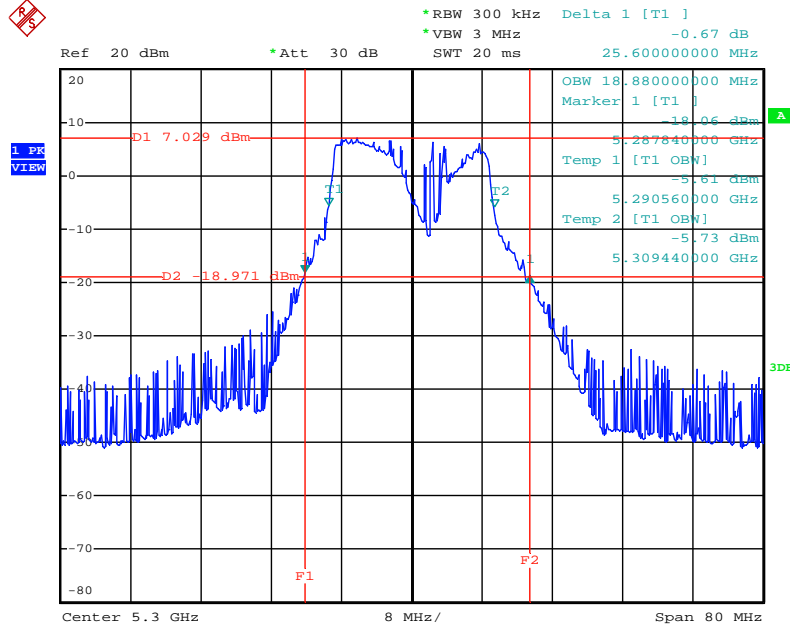
Date: 24.MAY.2013 14:36:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5280 MHz



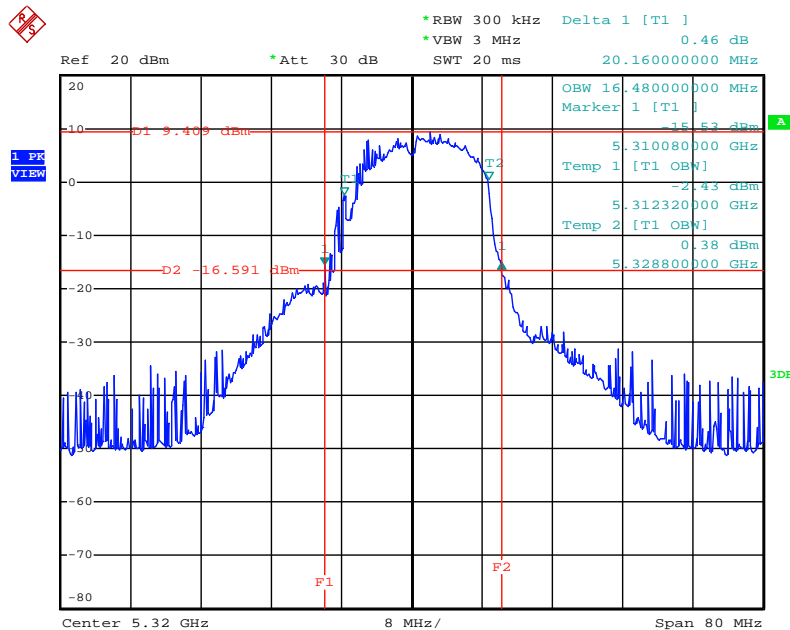
Date: 24.MAY.2013 14:38:24

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



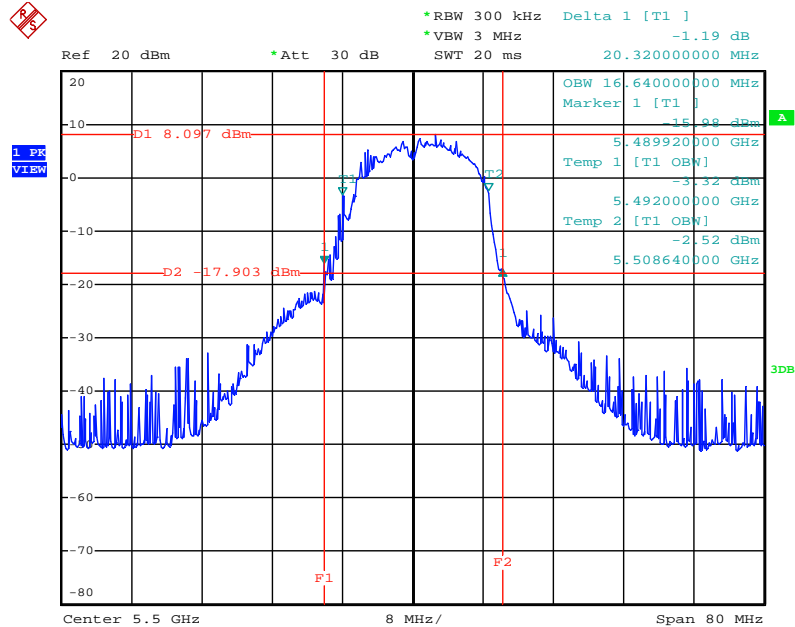
Date: 24.MAY.2013 14:41:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



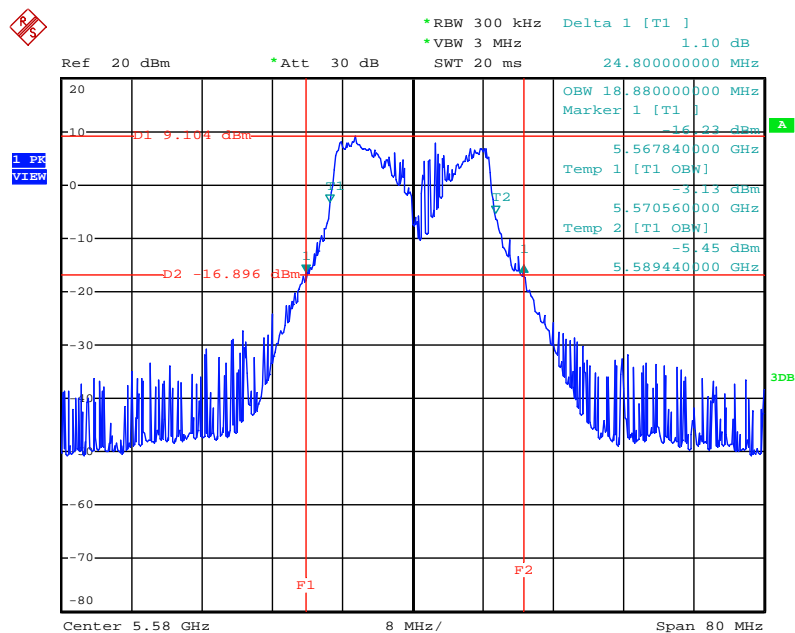
Date: 24.MAY.2013 14:43:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



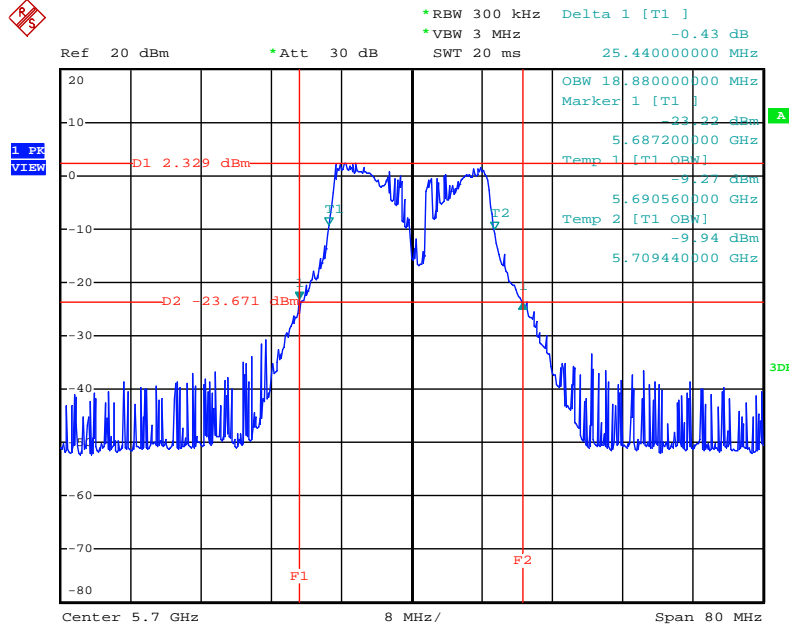
Date: 24.MAY.2013 14:48:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



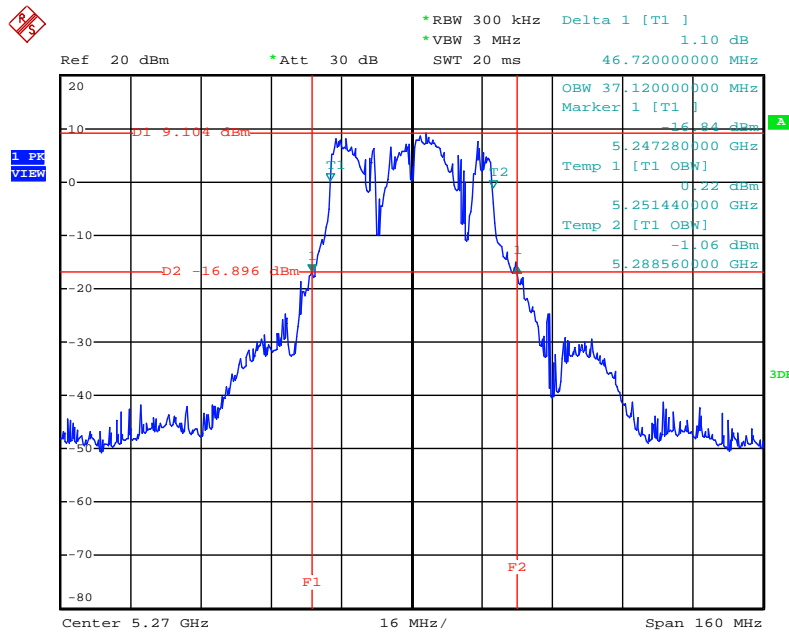
Date: 24.MAY.2013 14:49:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5700 MHz



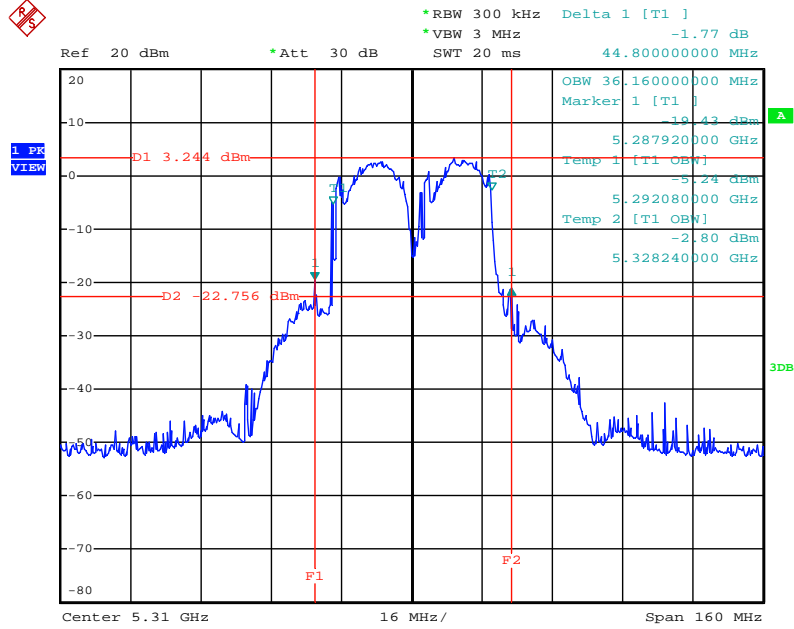
Date: 24.MAY.2013 14:53:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz



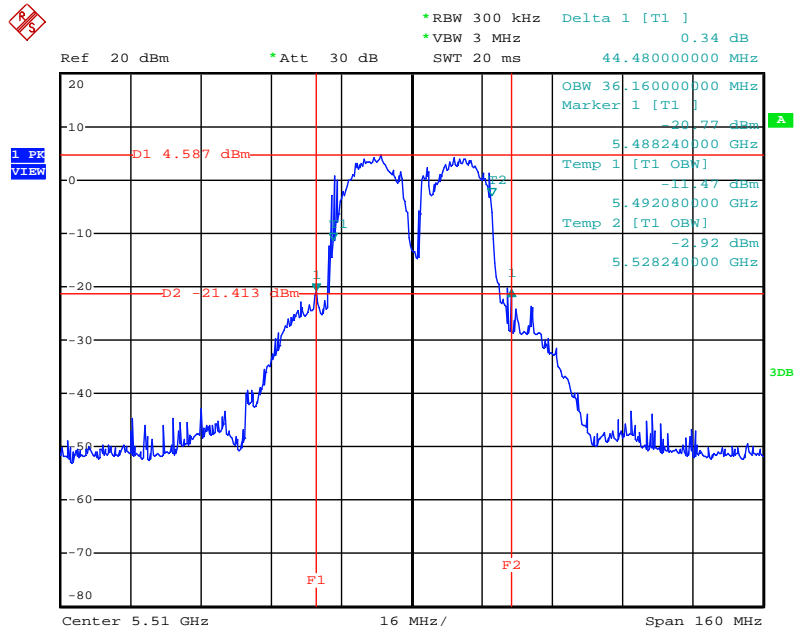
Date: 24.MAY.2013 15:09:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5310 MHz



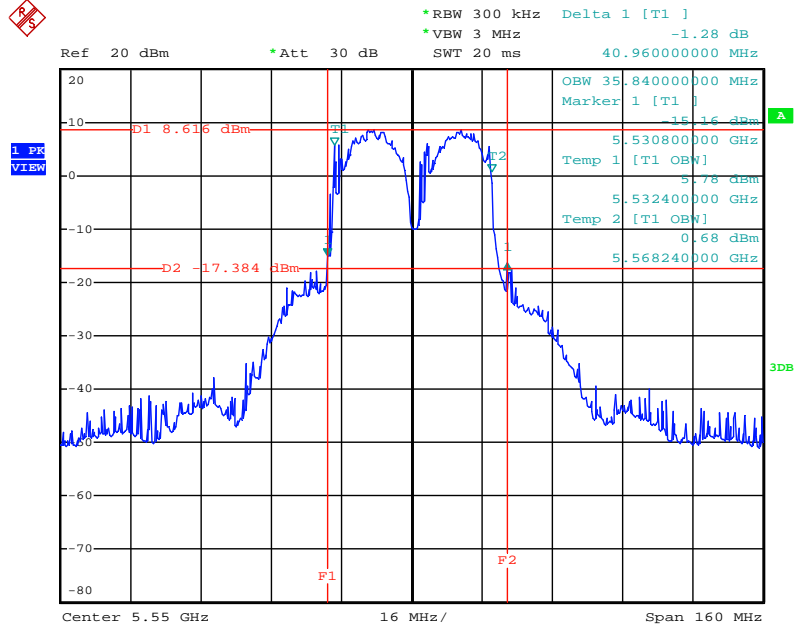
Date: 24.MAY.2013 15:10:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



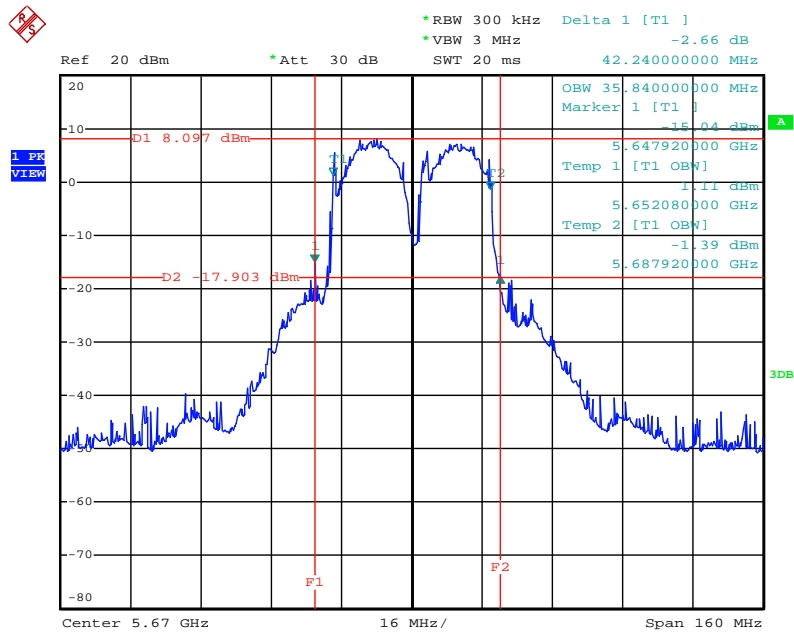
Date: 24.MAY.2013 15:04:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



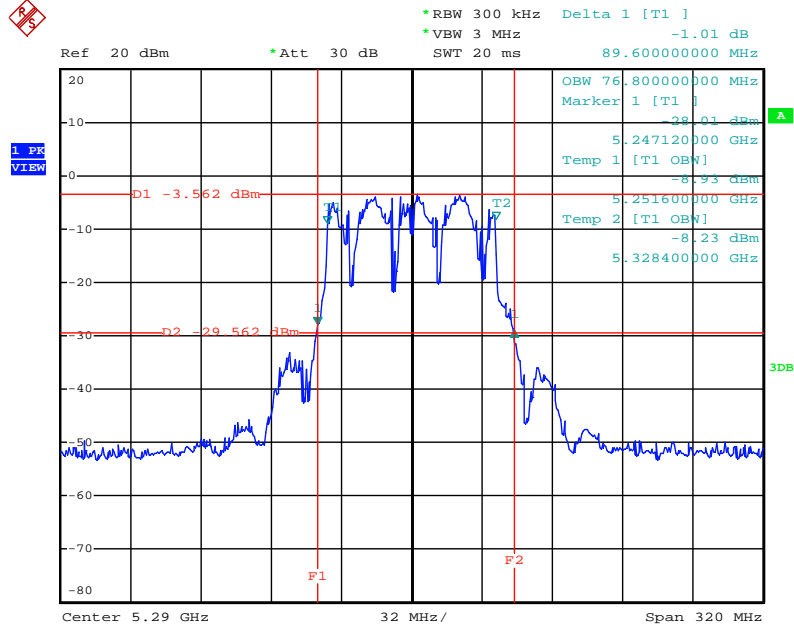
Date: 24.MAY.2013 15:02:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5670 MHz



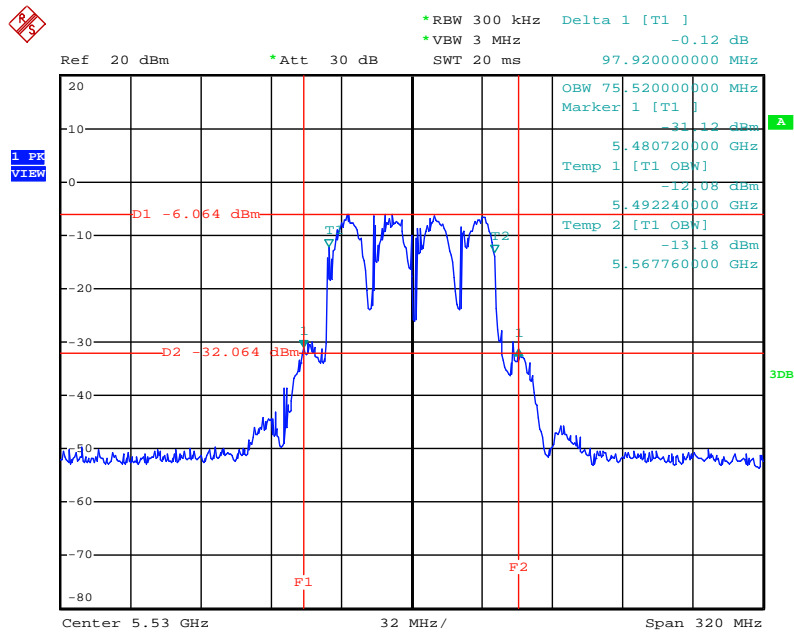
Date: 24.MAY.2013 15:00:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



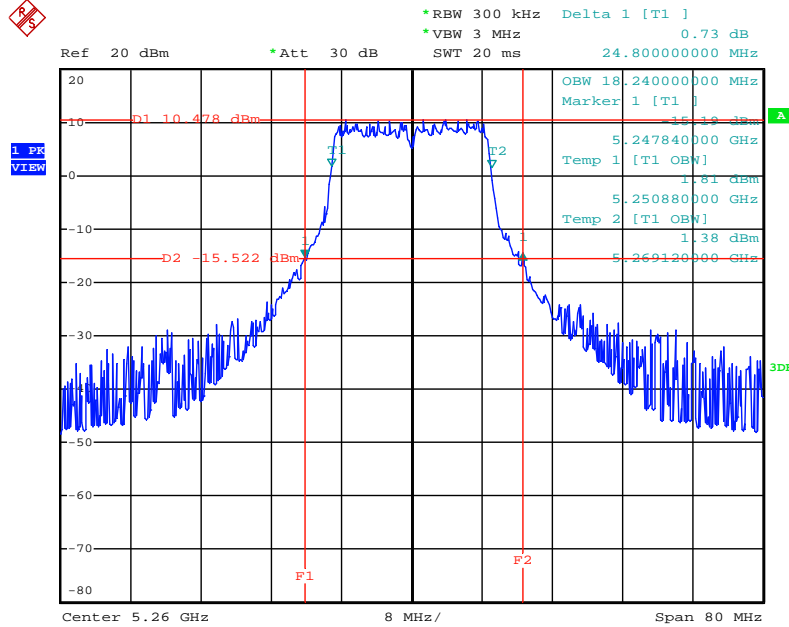
Date: 24.MAY.2013 15:17:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



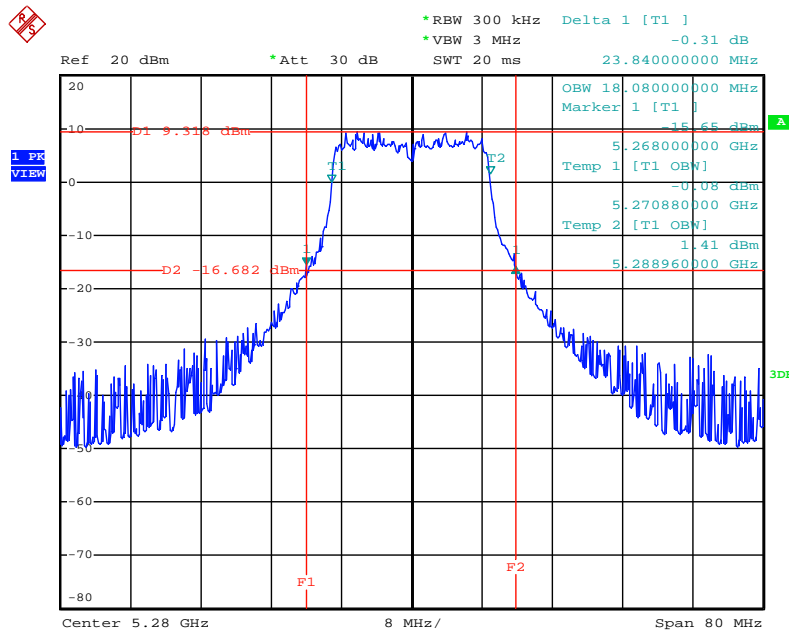
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



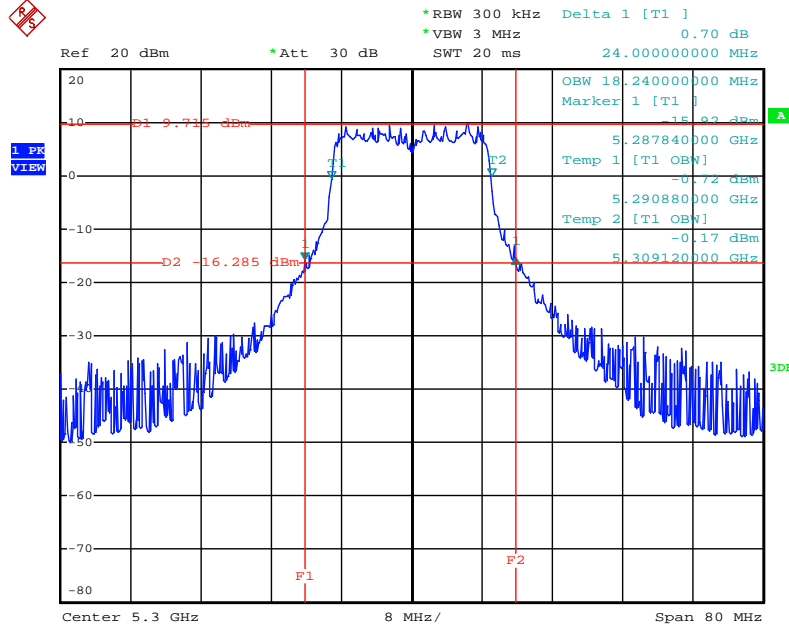
Date: 24.MAY.2013 17:03:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5280 MHz



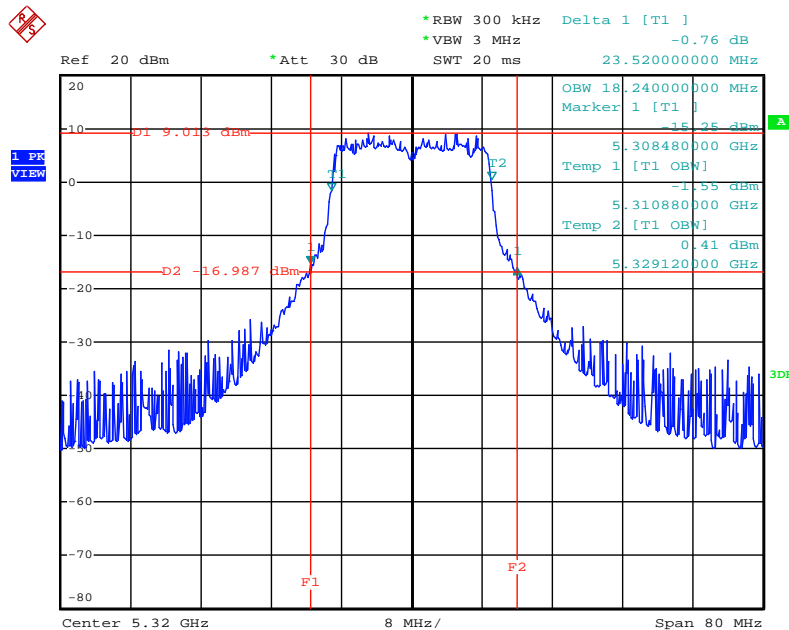
Date: 24.MAY.2013 17:05:30

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5300 MHz



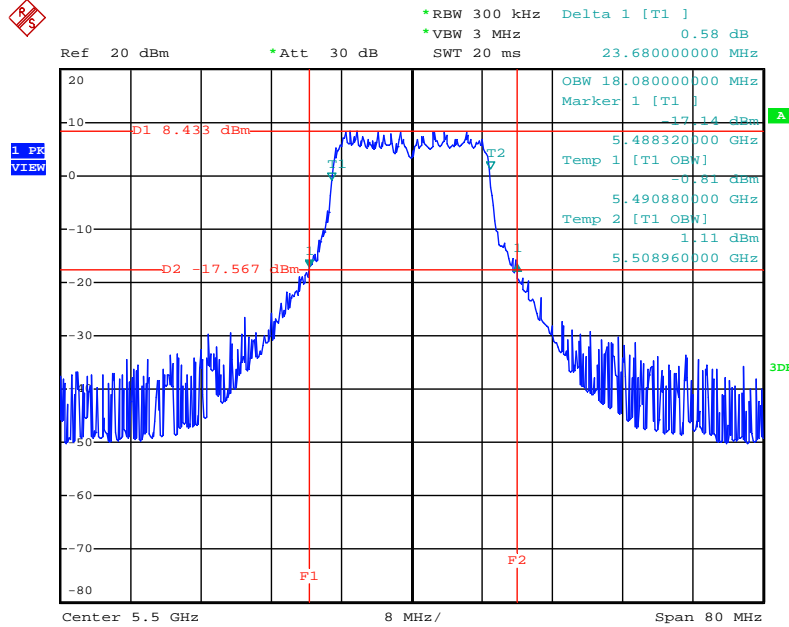
Date: 24.MAY.2013 17:07:19

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5320 MHz



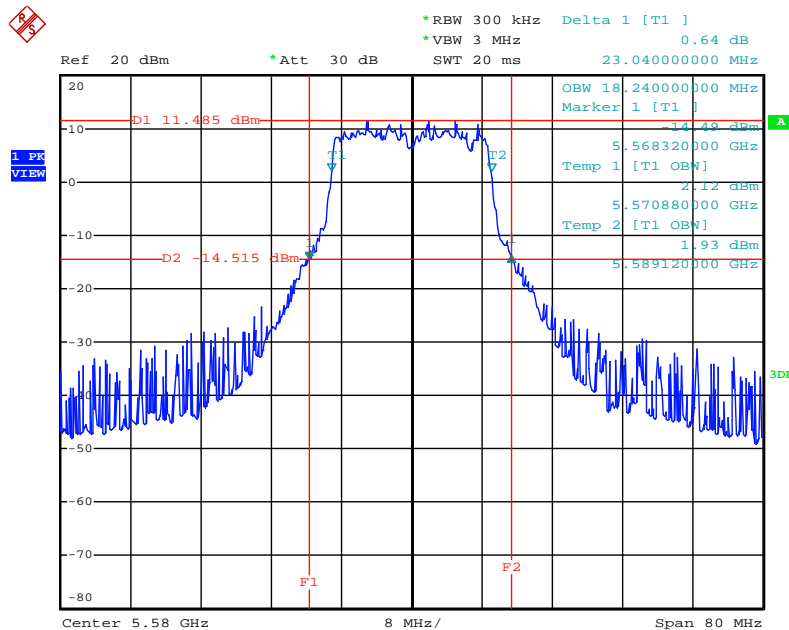
Date: 24.MAY.2013 17:11:59

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5500 MHz



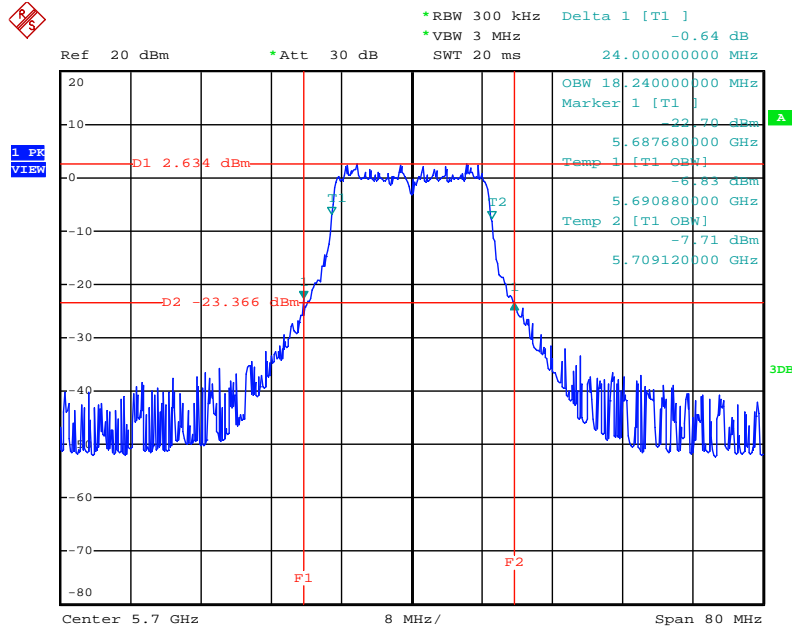
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



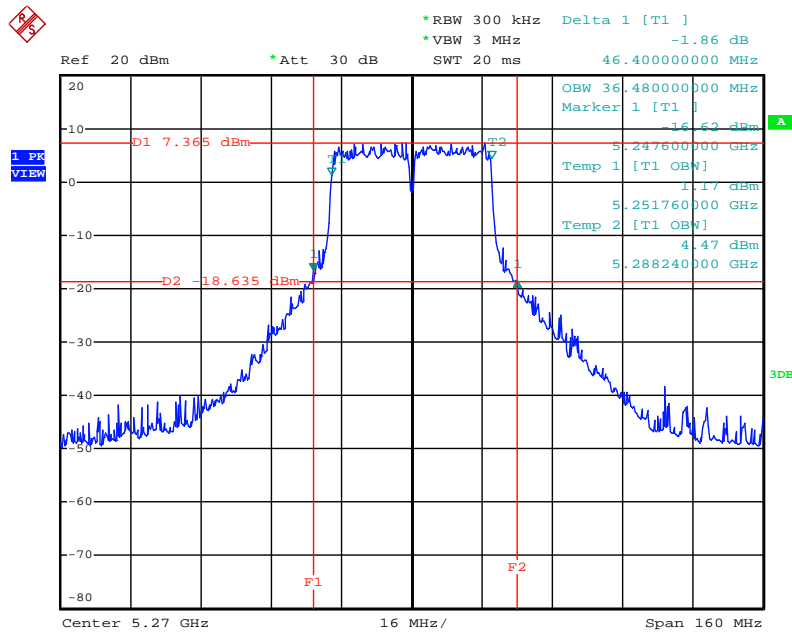
Date: 24.MAY.2013 16:57:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5700 MHz



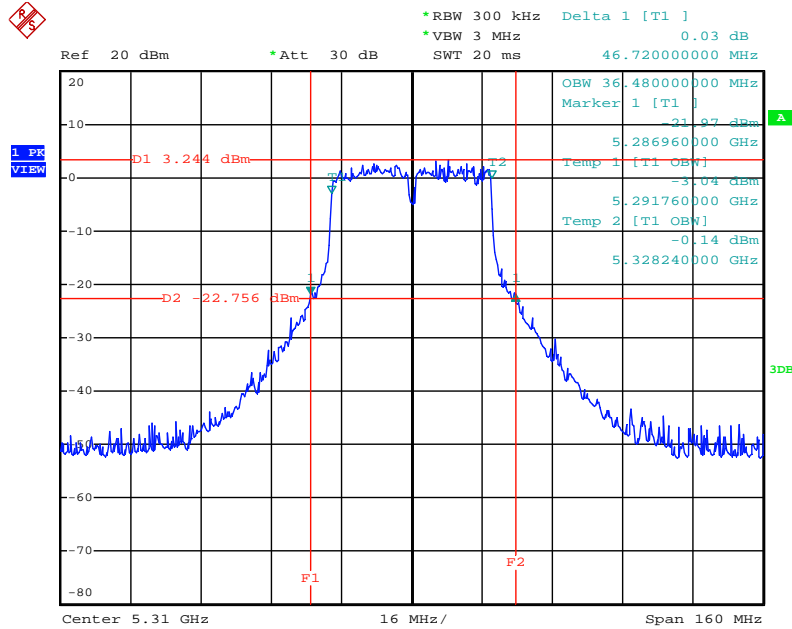
Date: 24.MAY.2013 17:00:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5270 MHz



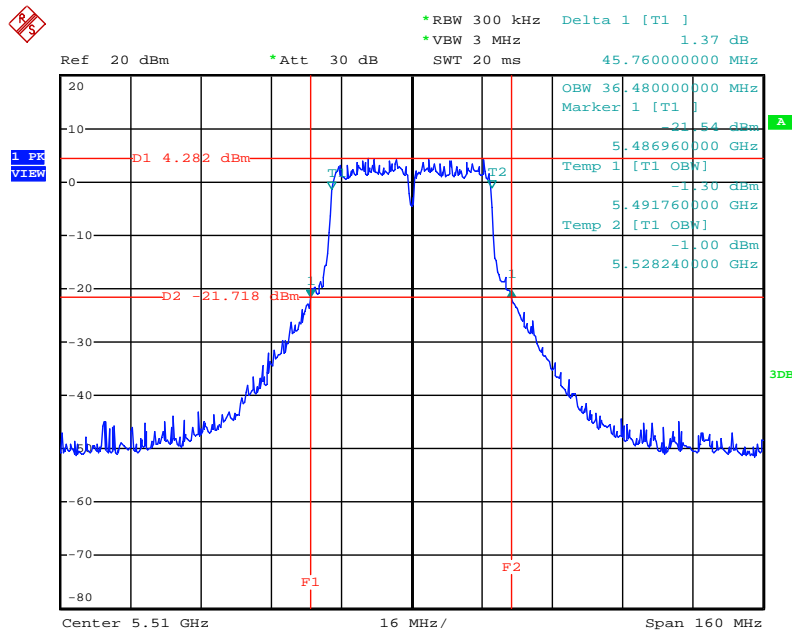
Date: 24.MAY.2013 15:48:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5310 MHz



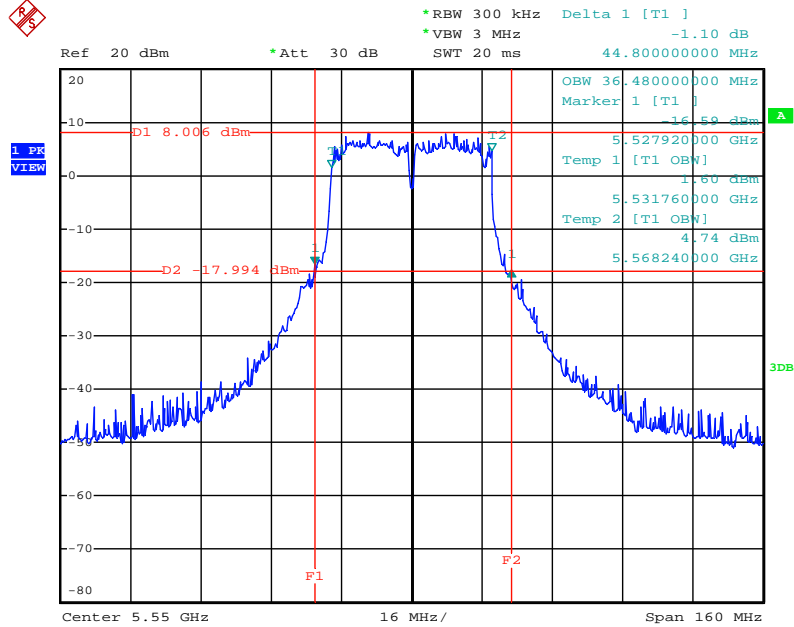
Date: 24.MAY.2013 19:38:53

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5510 MHz



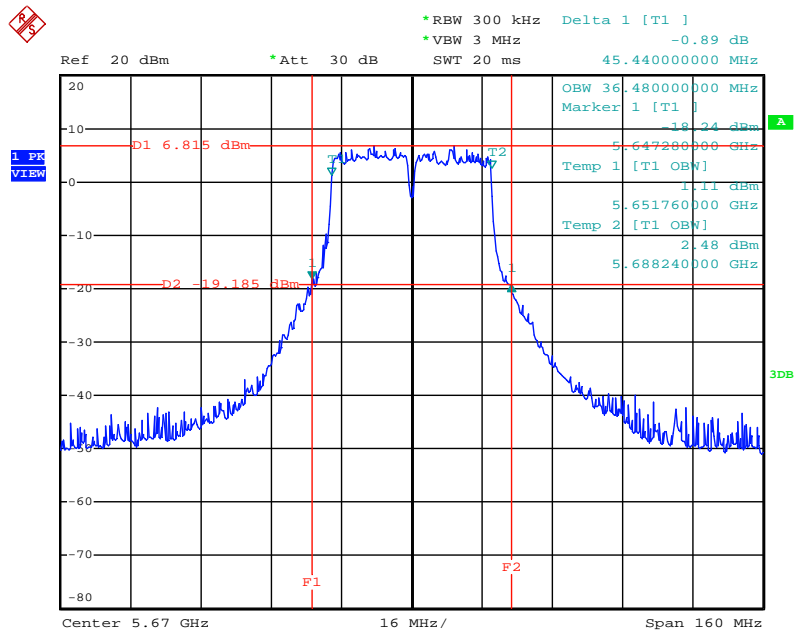
Date: 24.MAY.2013 15:54:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



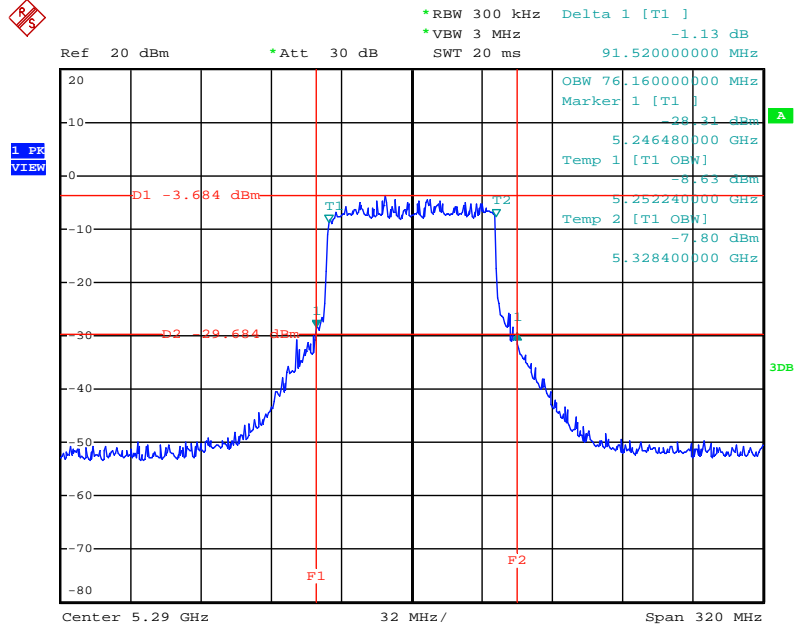
Date: 24.MAY.2013 15:56:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5670 MHz



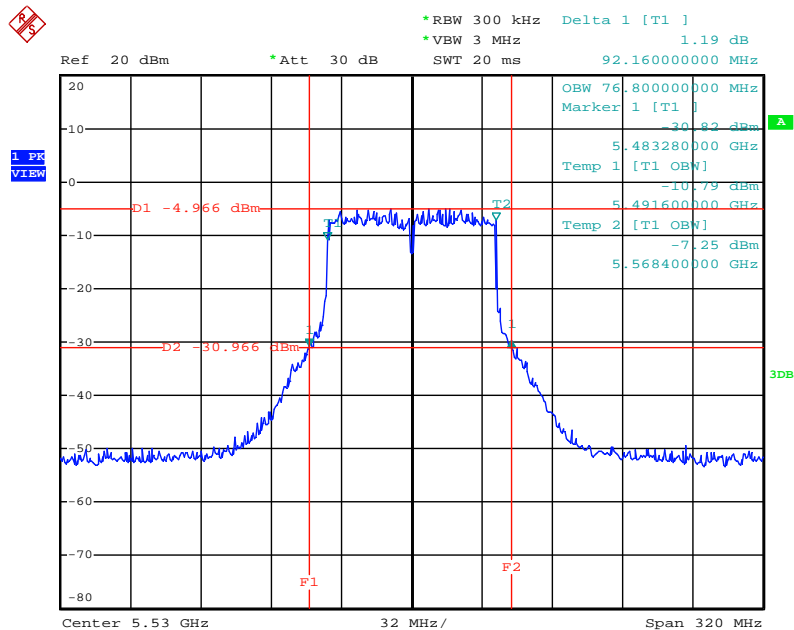
Date: 24.MAY.2013 15:57:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Date: 24.MAY.2013 19:40:44

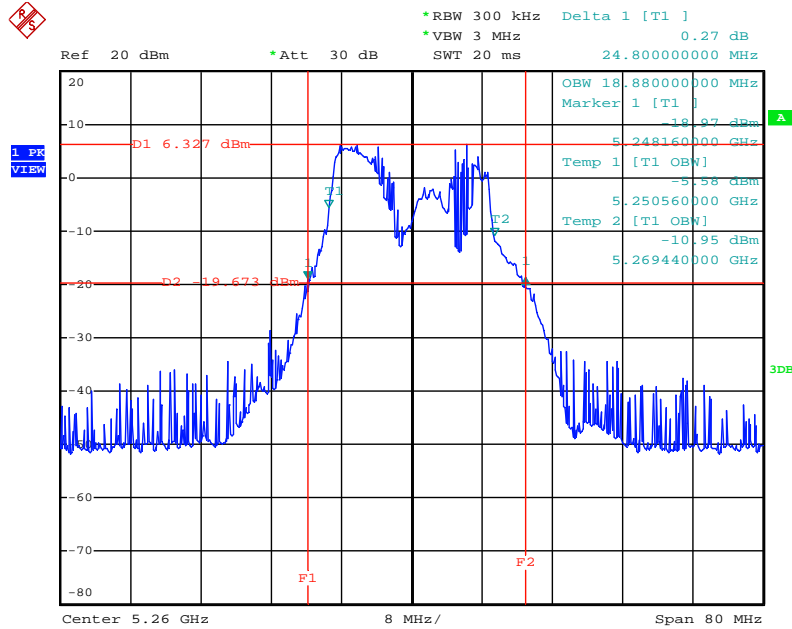
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz



Date: 24.MAY.2013 19:42:45

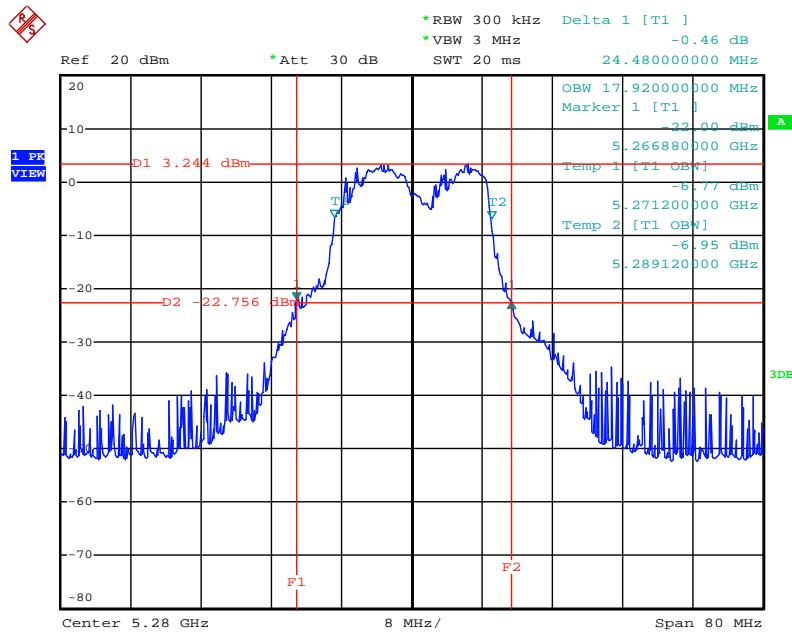
3TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



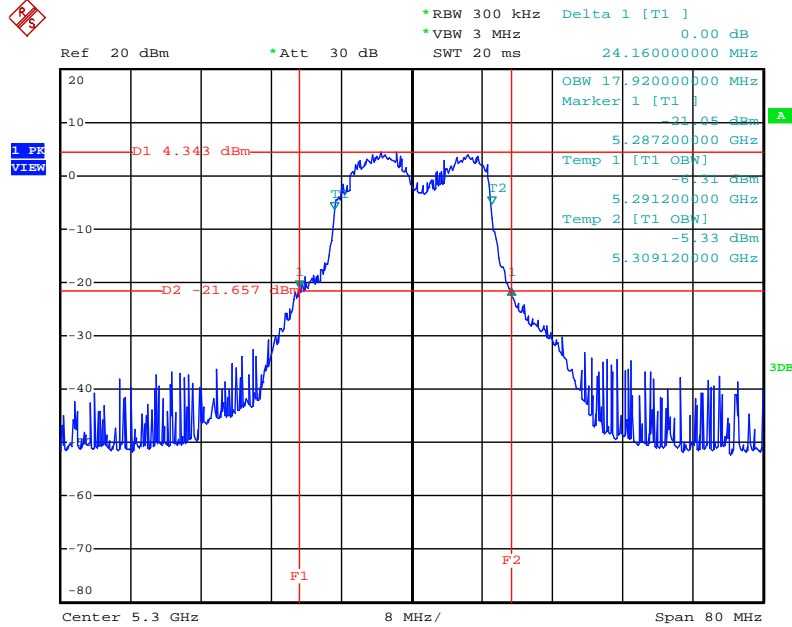
Date: 24.MAY.2013 20:00:57

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



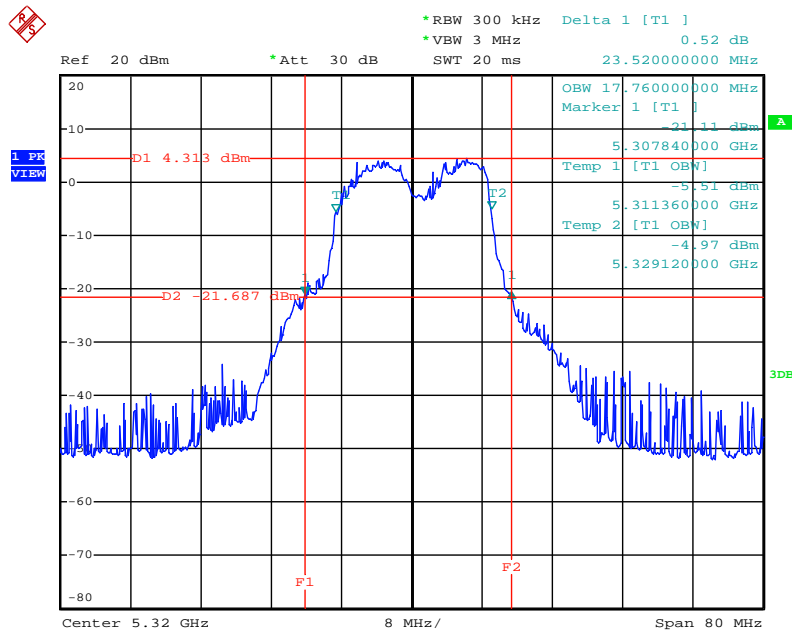
Date: 24.MAY.2013 20:05:08

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



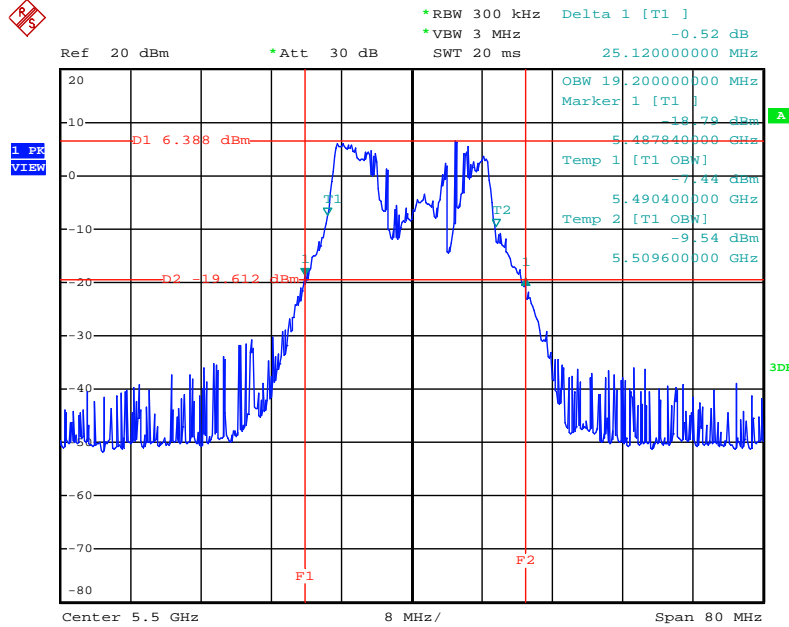
Date: 24.MAY.2013 20:05:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



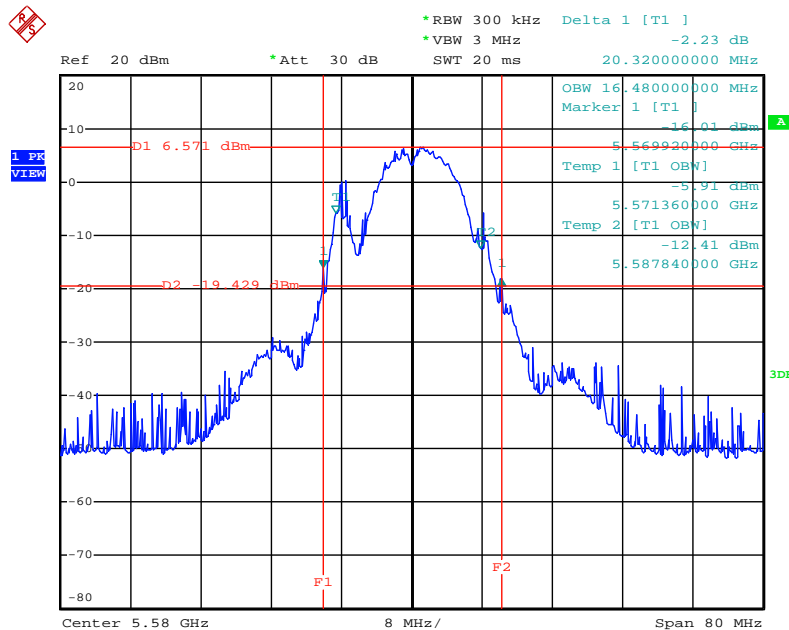
Date: 24.MAY.2013 20:09:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



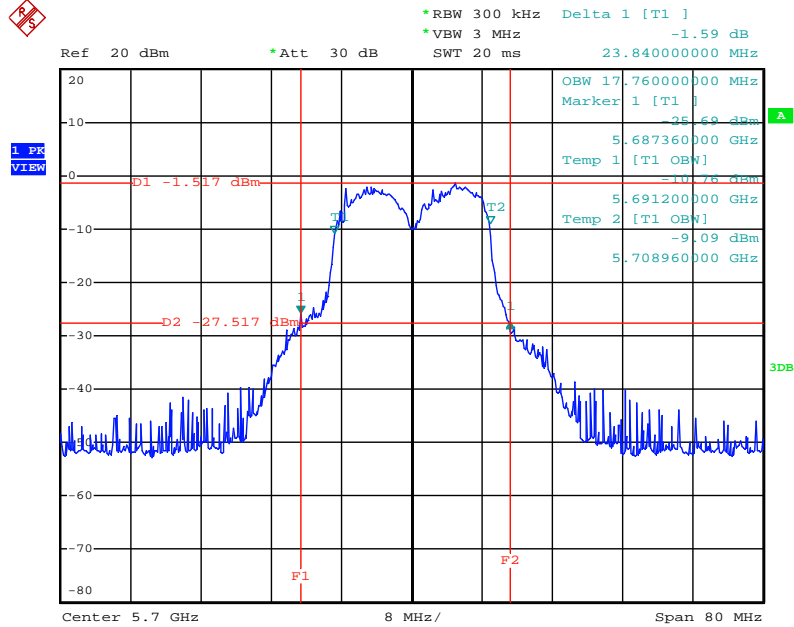
Date: 24.MAY.2013 20:14:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



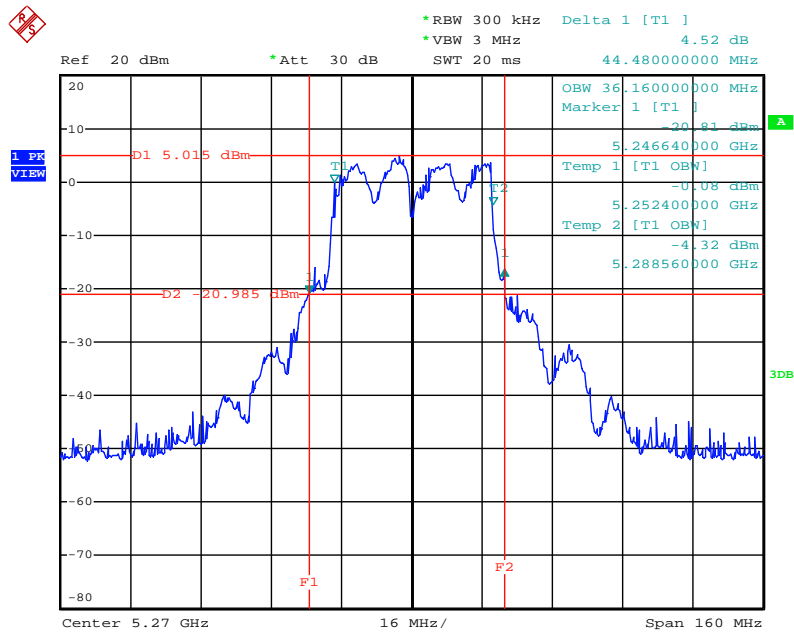
Date: 24.MAY.2013 20:17:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



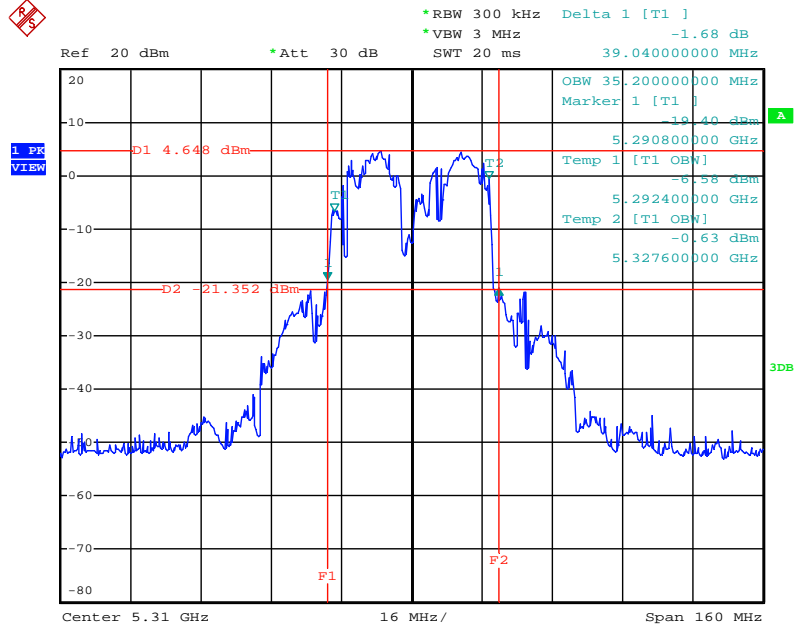
Date: 24.MAY.2013 20:27:16

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



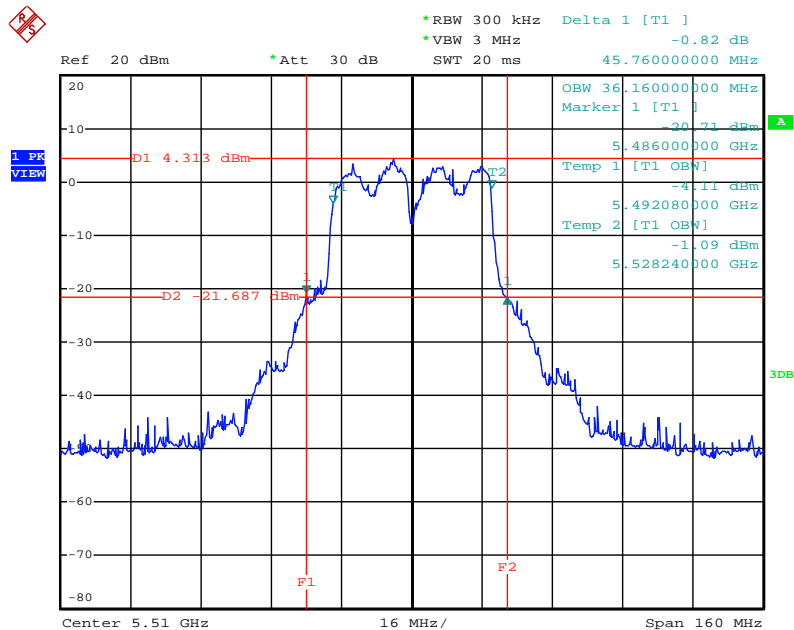
Date: 24.MAY.2013 20:30:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



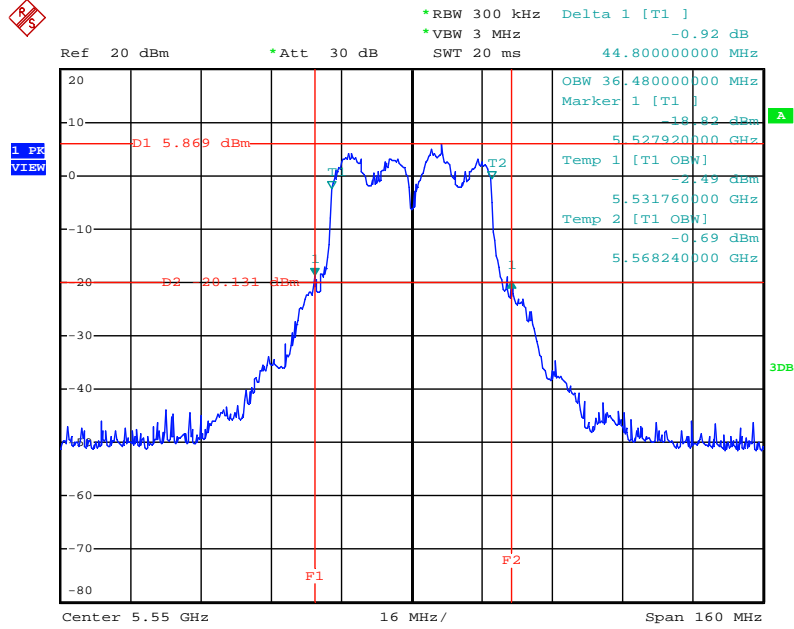
Date: 24.MAY.2013 20:34:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



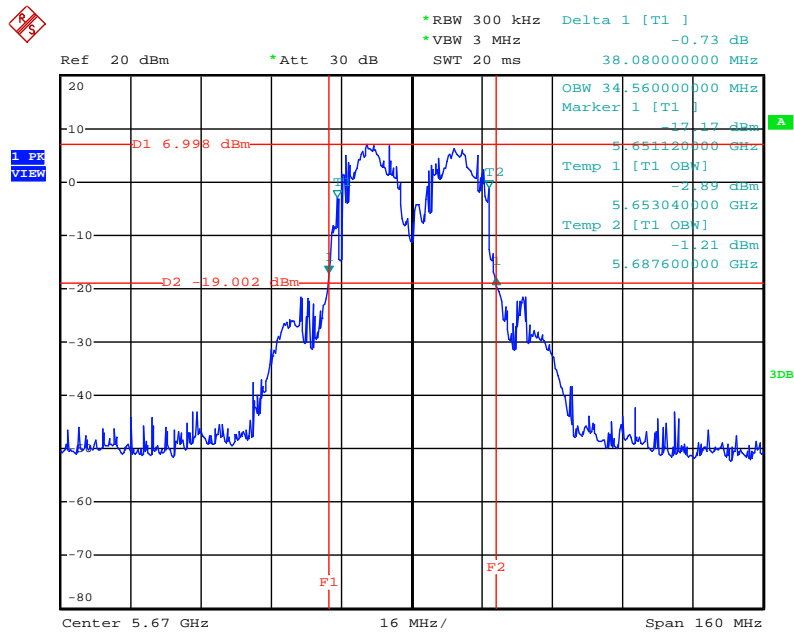
Date: 24.MAY.2013 20:35:48

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



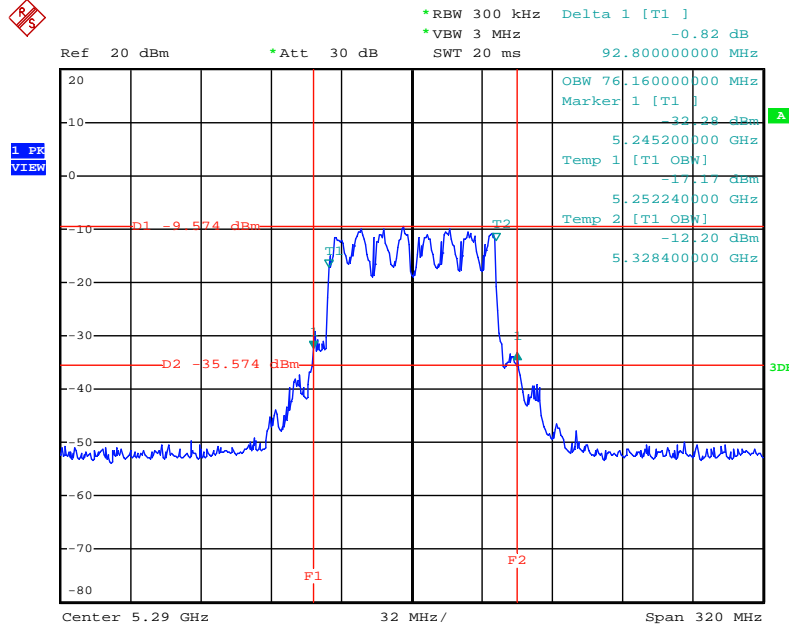
Date: 24.MAY.2013 20:40:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



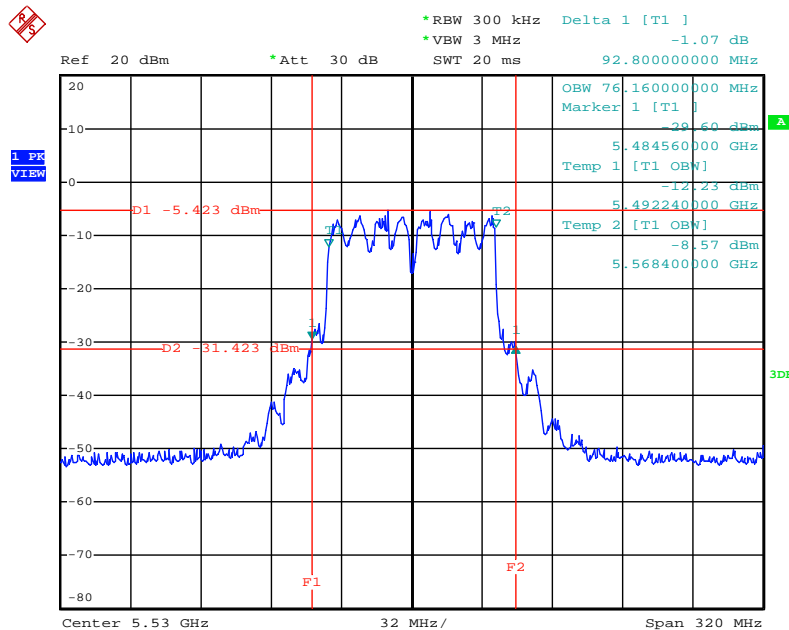
Date: 24.MAY.2013 20:40:48

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



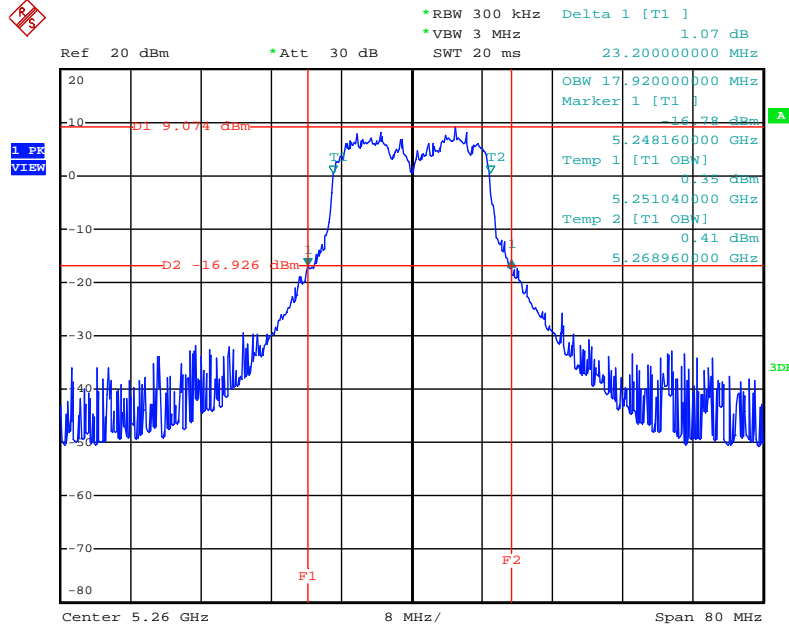
Date: 24.MAY.2013 20:43:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



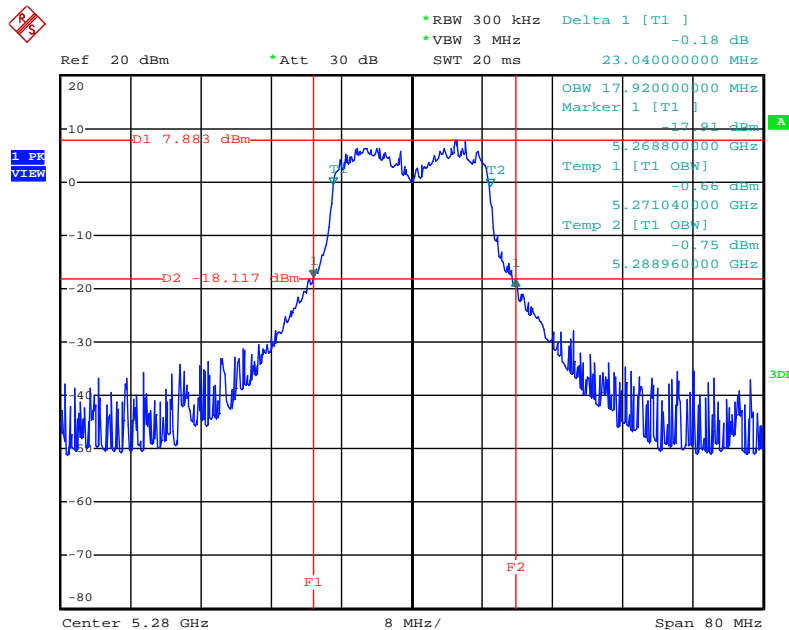
Date: 24.MAY.2013 20:49:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



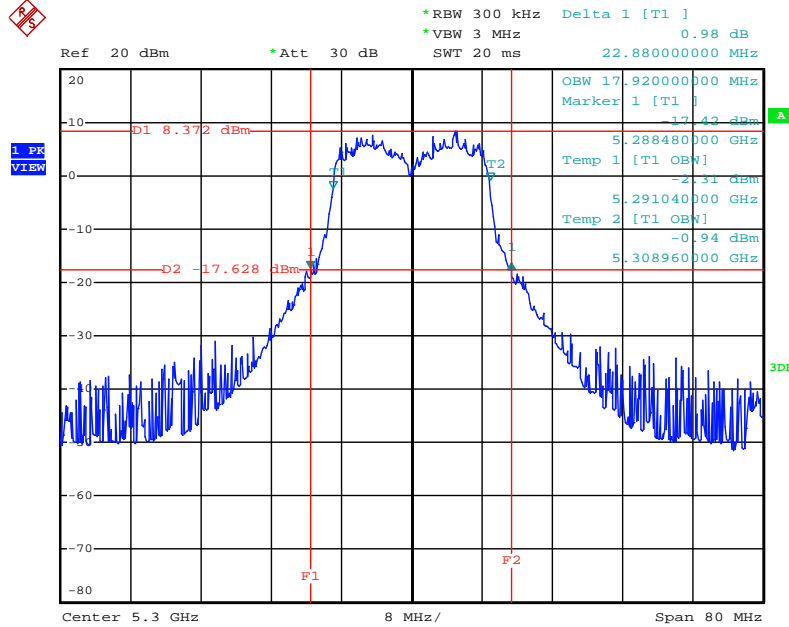
Date: 24.MAY.2013 21:18:00

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



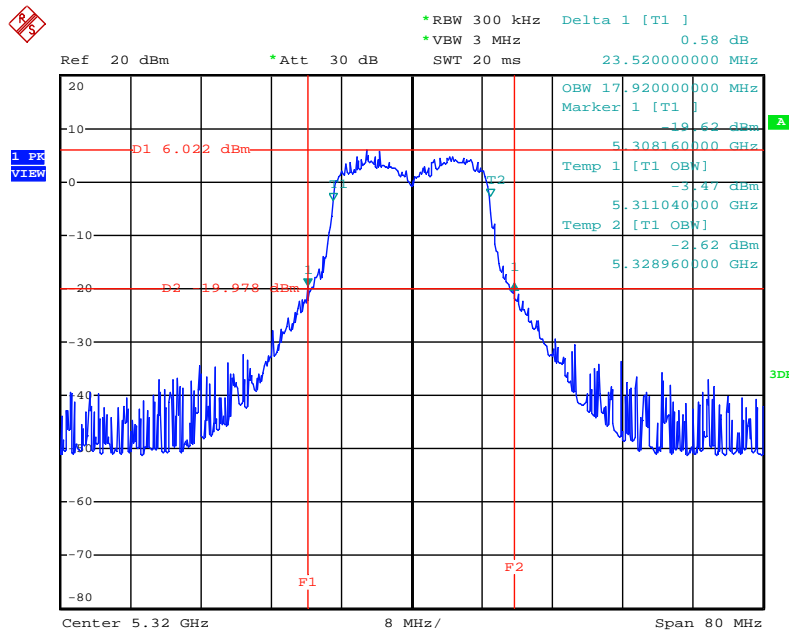
Date: 24.MAY.2013 21:19:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



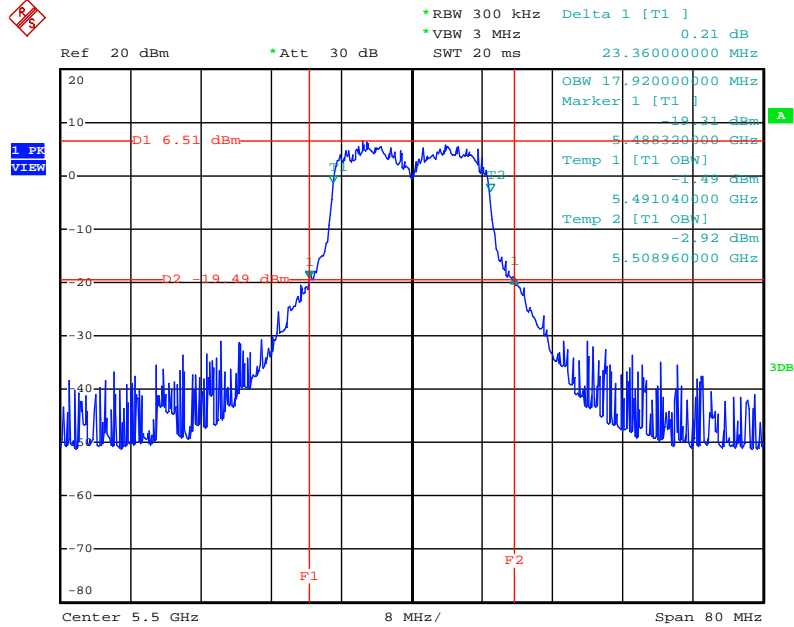
Date: 24.MAY.2013 21:20:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHZ



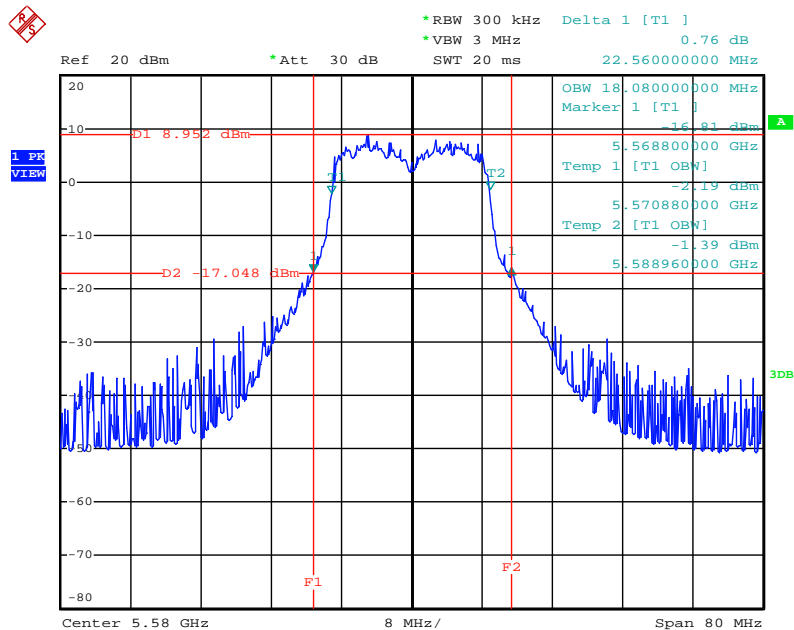
Date: 24.MAY.2013 21:24:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



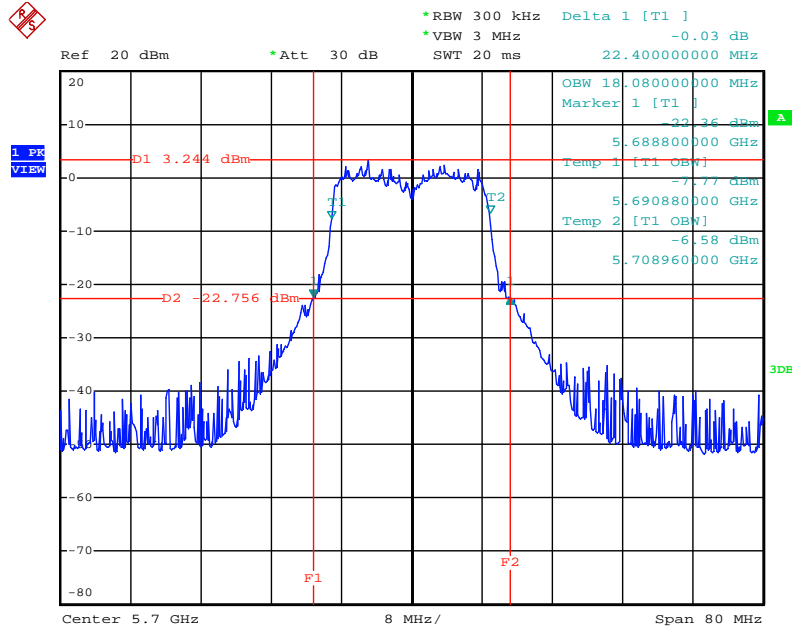
Date: 24.MAY.2013 21:26:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



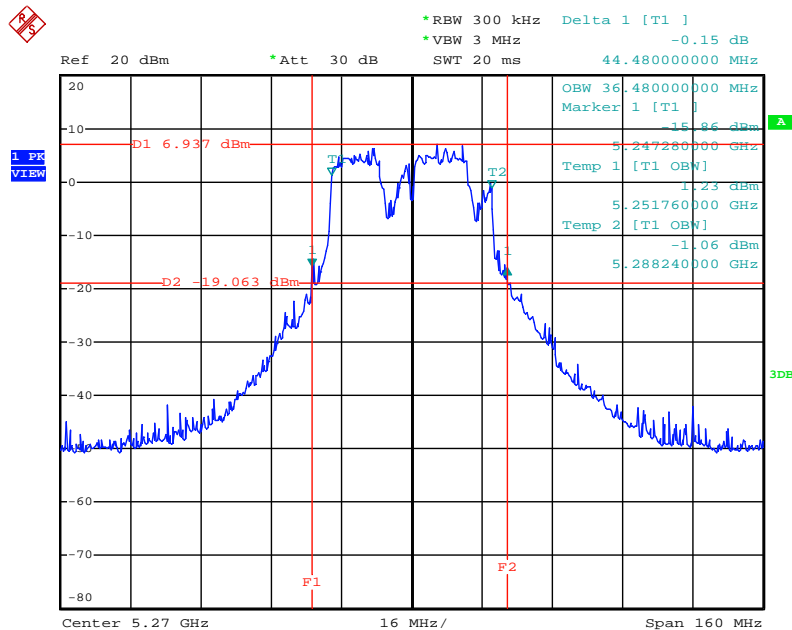
Date: 24.MAY.2013 21:29:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



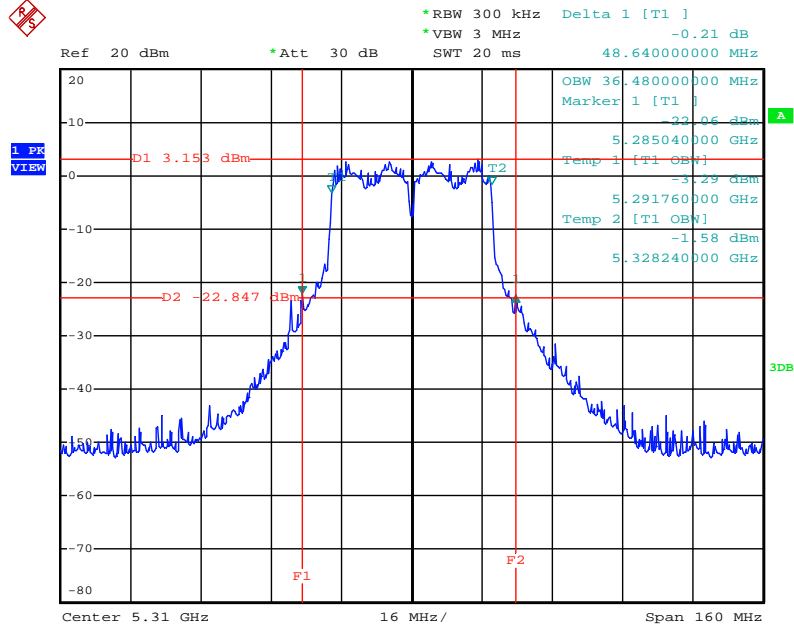
Date: 24.MAY.2013 21:30:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



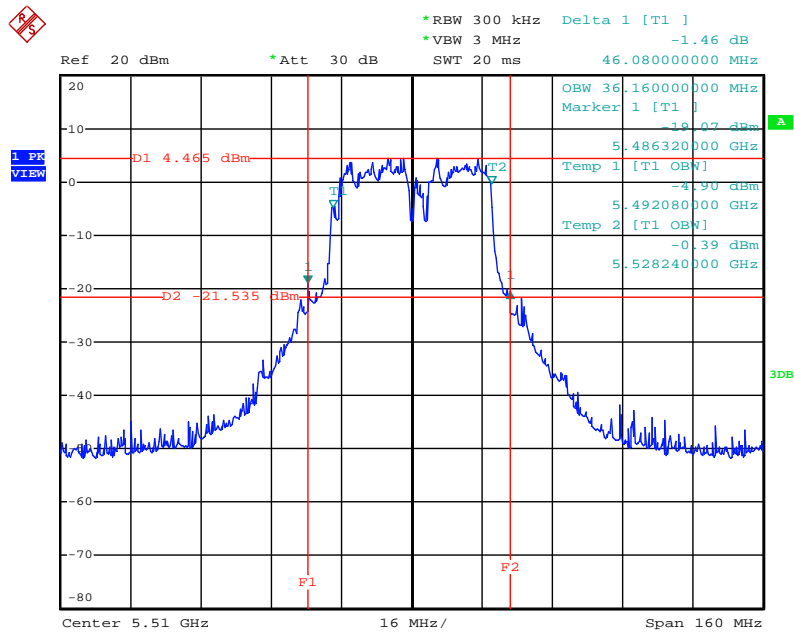
Date: 24.MAY.2013 21:33:28

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



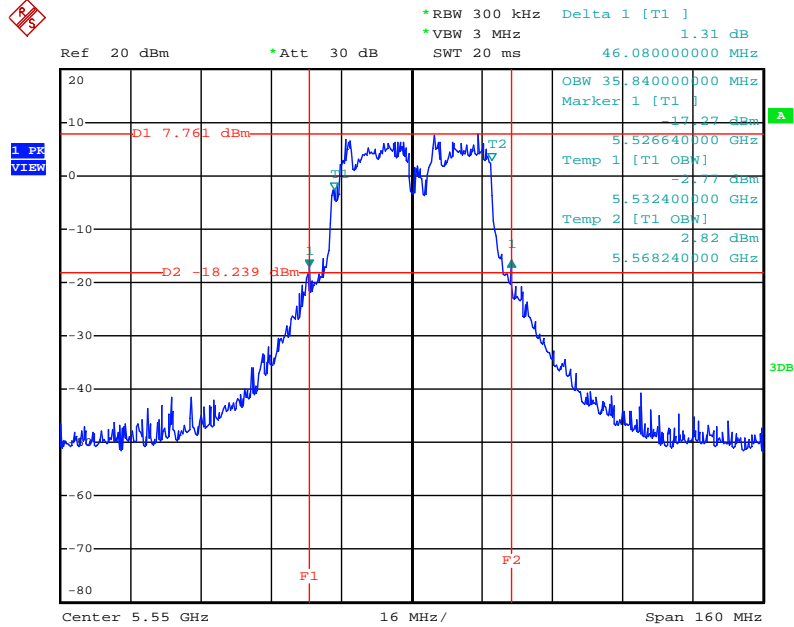
Date: 24.MAY.2013 21:37:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



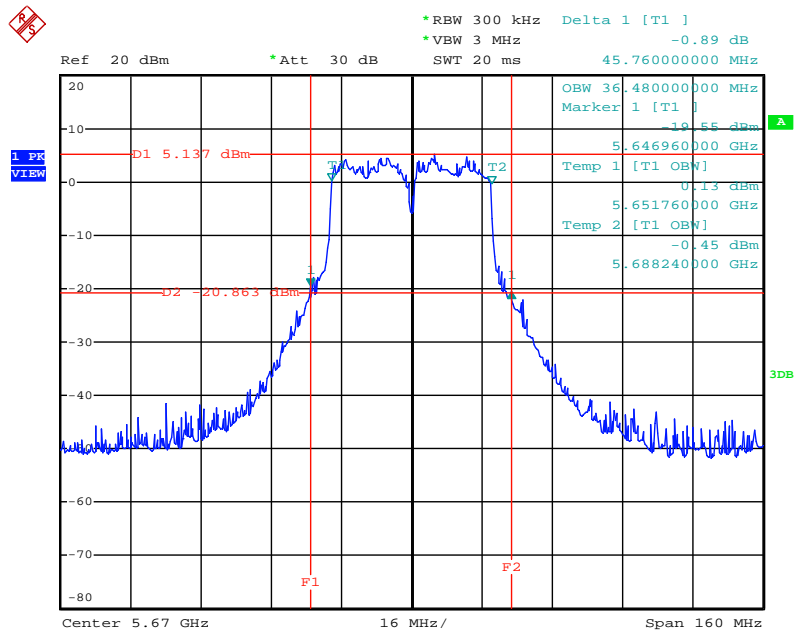
Date: 24.MAY.2013 21:38:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



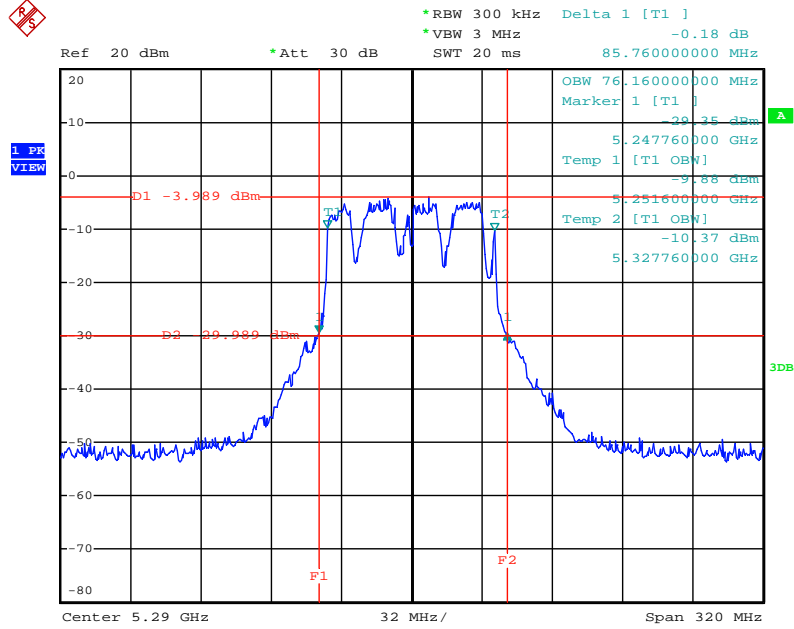
Date: 24.MAY.2013 21:41:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



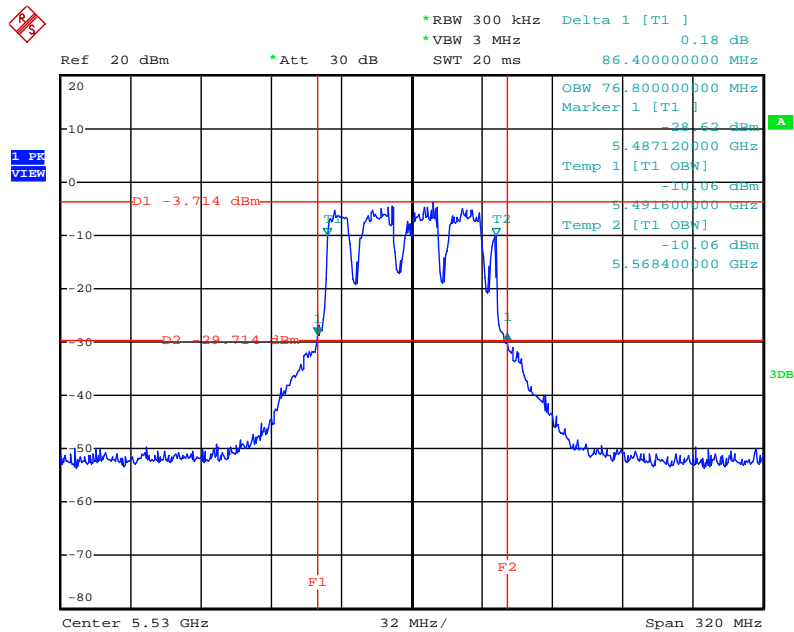
Date: 24.MAY.2013 21:42:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



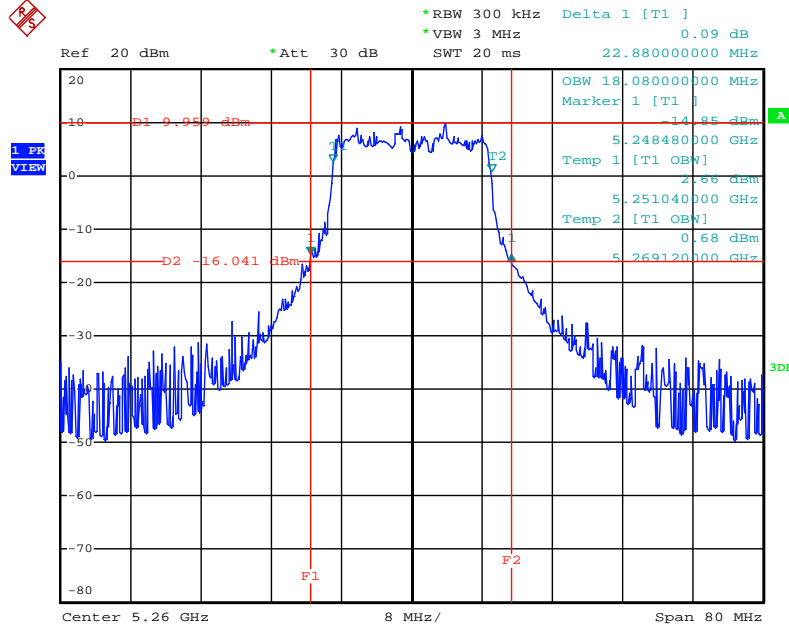
Date: 24.MAY.2013 21:47:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



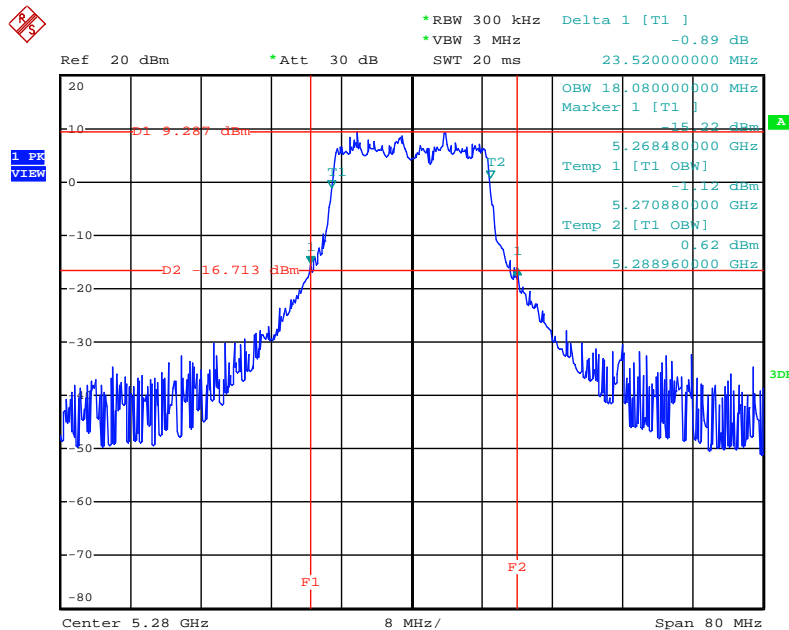
Date: 24.MAY.2013 21:46:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



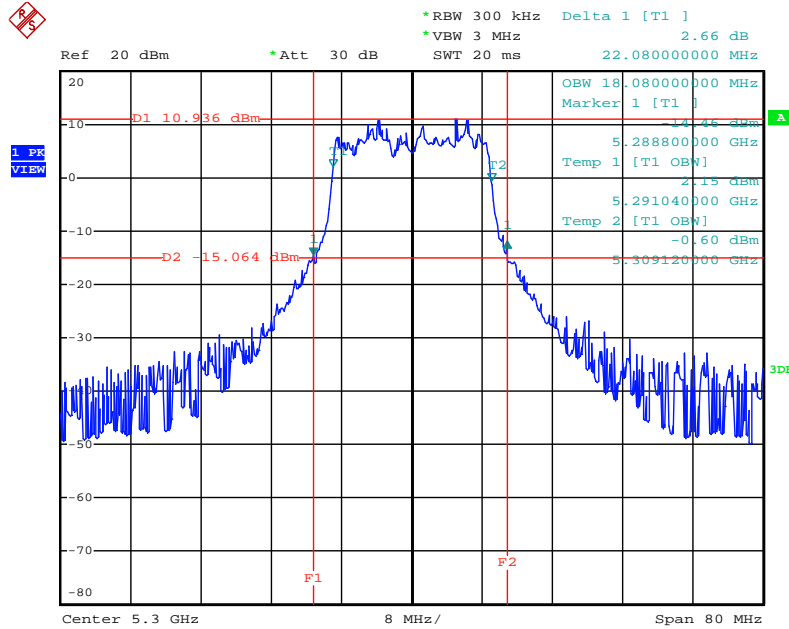
Date: 24.MAY.2013 22:07:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



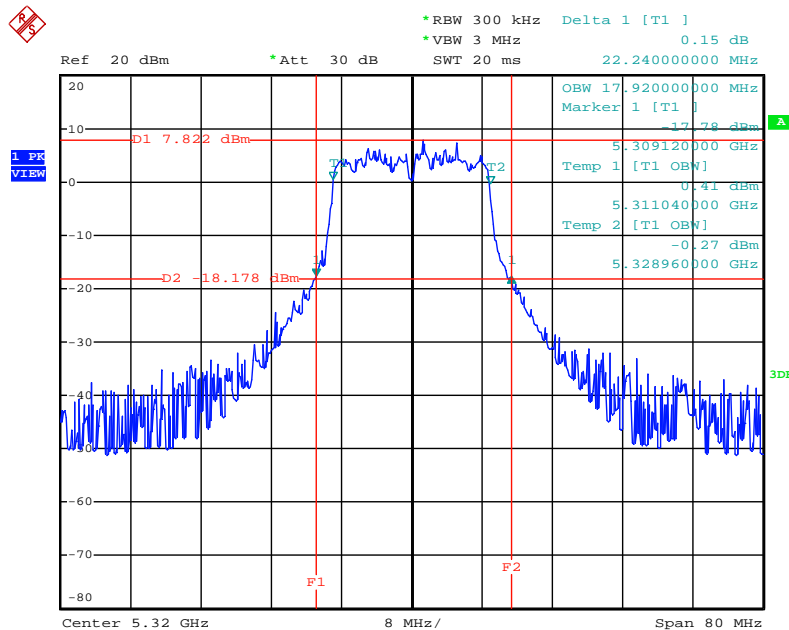
Date: 24.MAY.2013 22:09:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



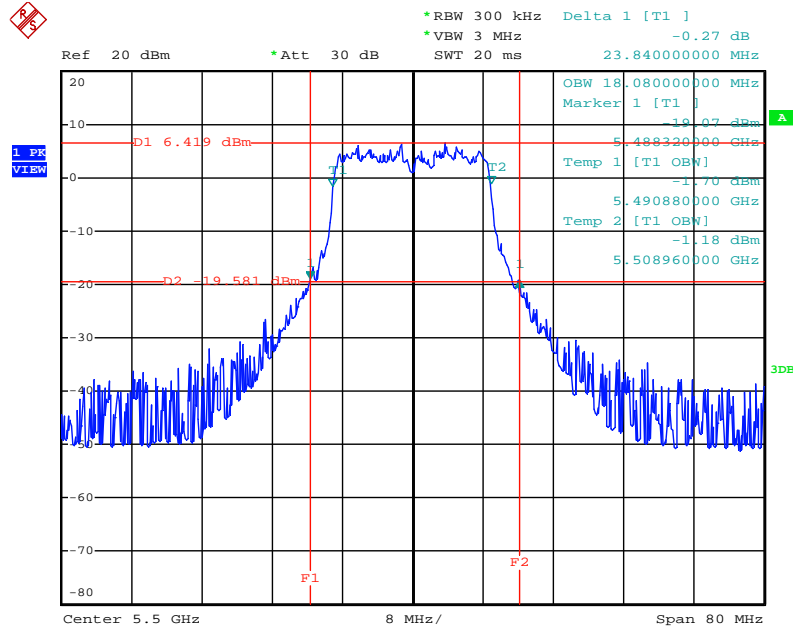
Date: 24.MAY.2013 22:09:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



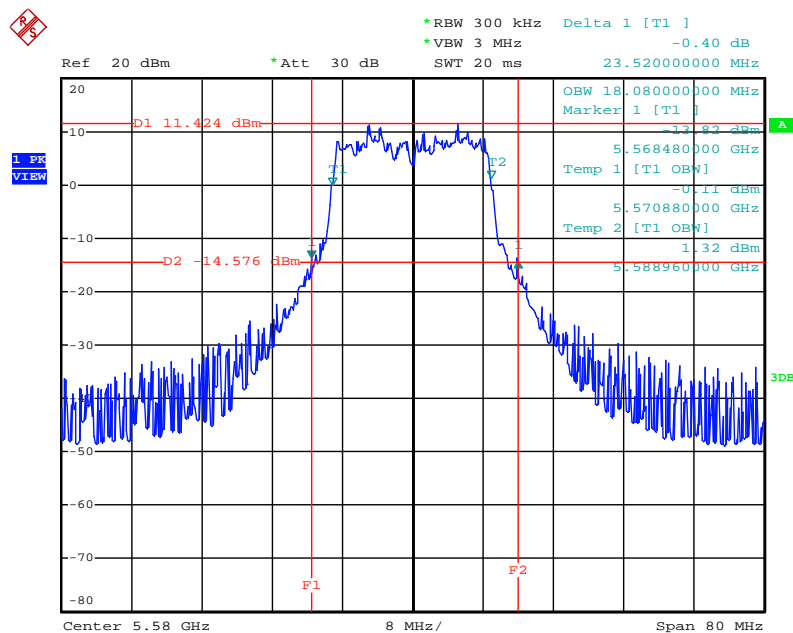
Date: 24.MAY.2013 22:18:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



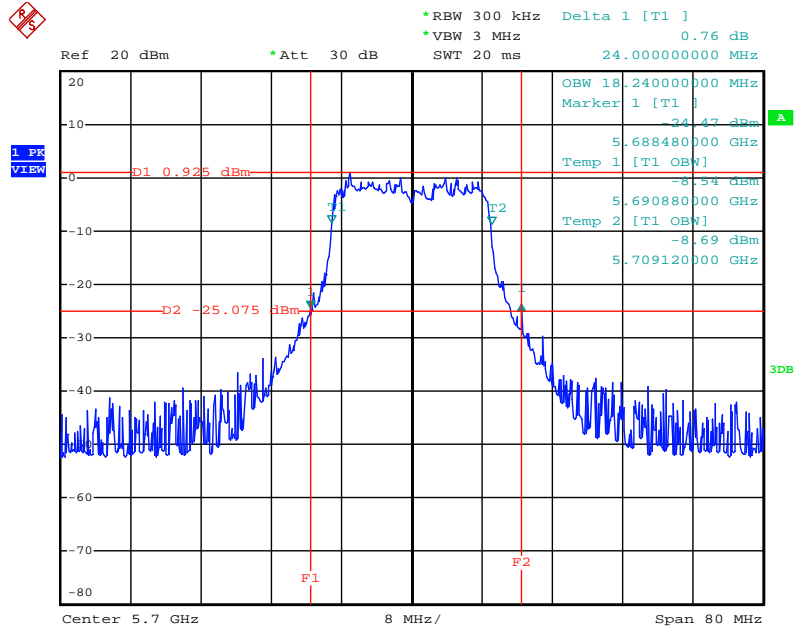
Date: 24.MAY.2013 22:20:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



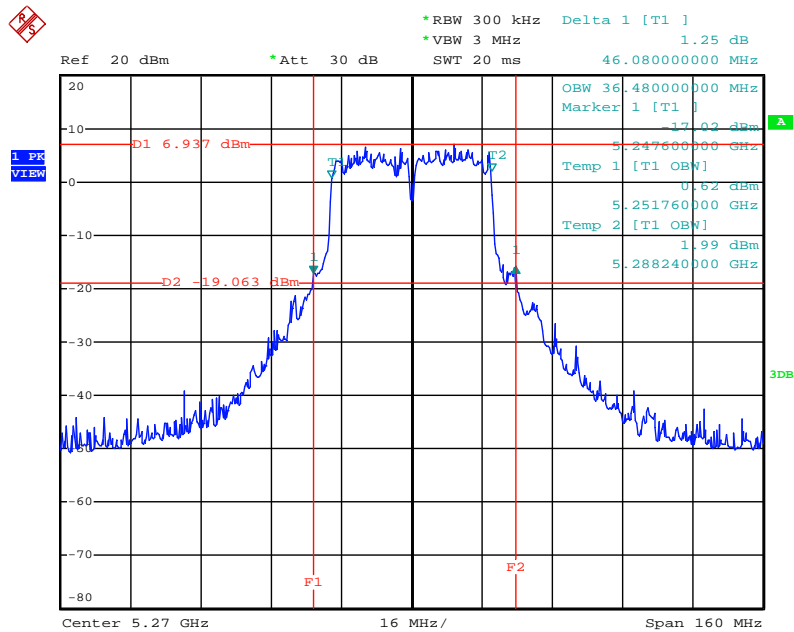
Date: 24.MAY.2013 22:23:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



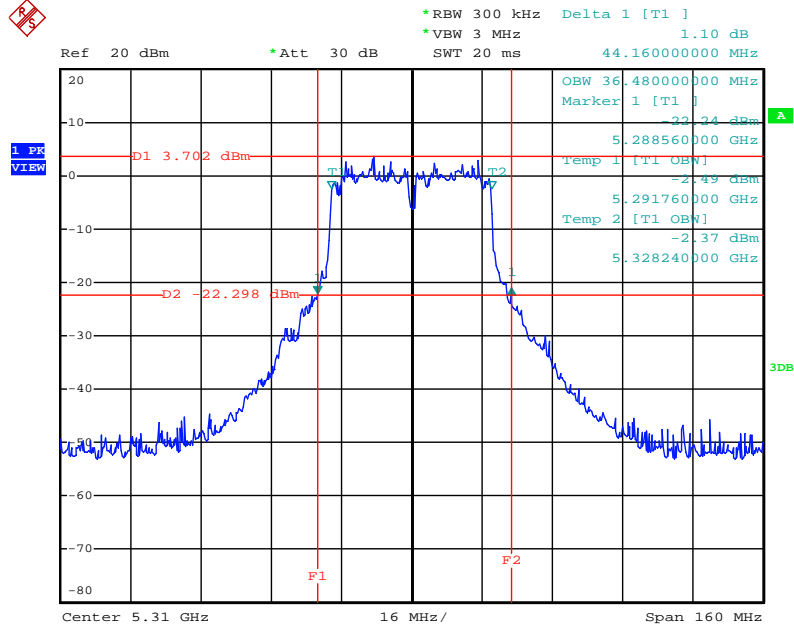
Date: 24.MAY.2013 22:24:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



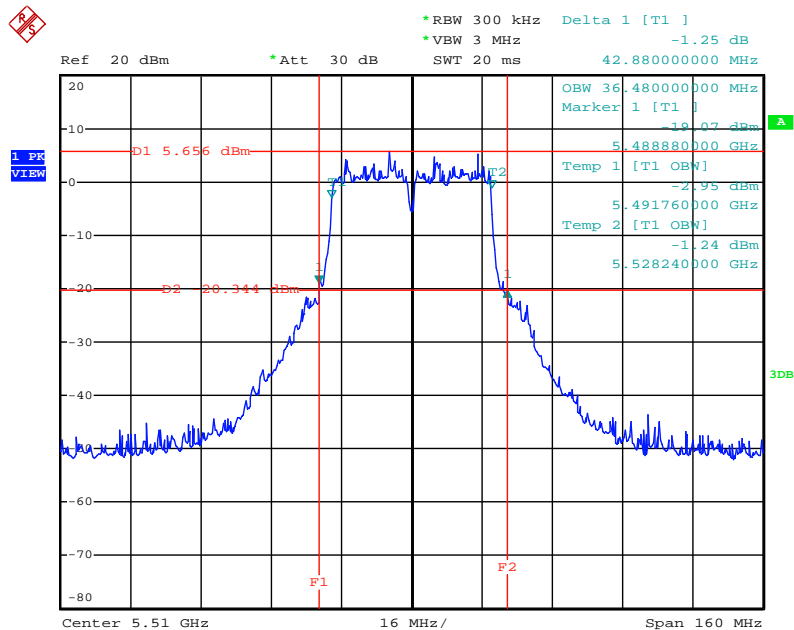
Date: 24.MAY.2013 22:33:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



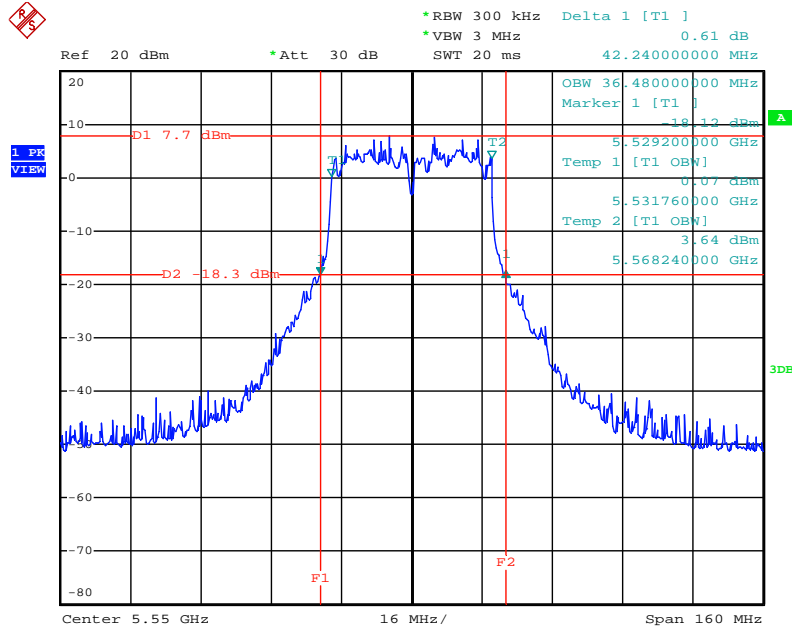
Date: 24.MAY.2013 22:38:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



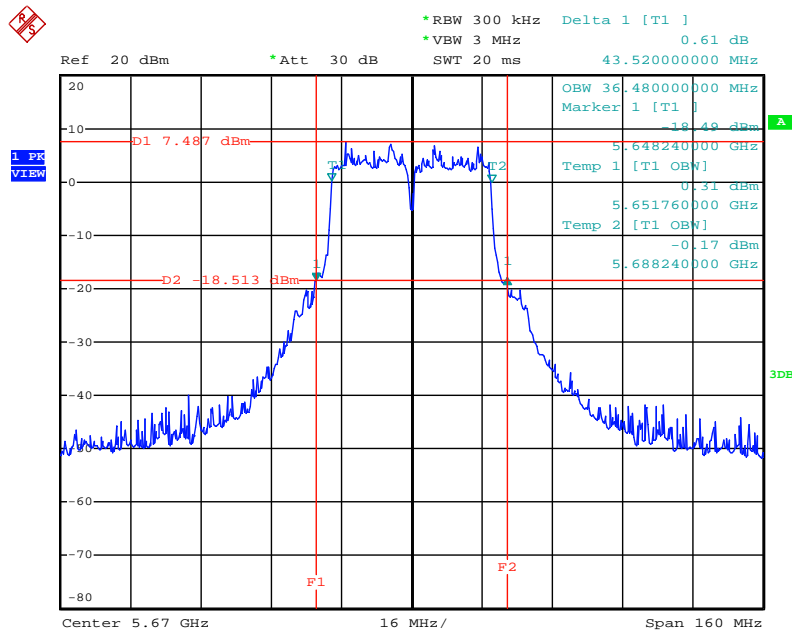
Date: 24.MAY.2013 22:31:49

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



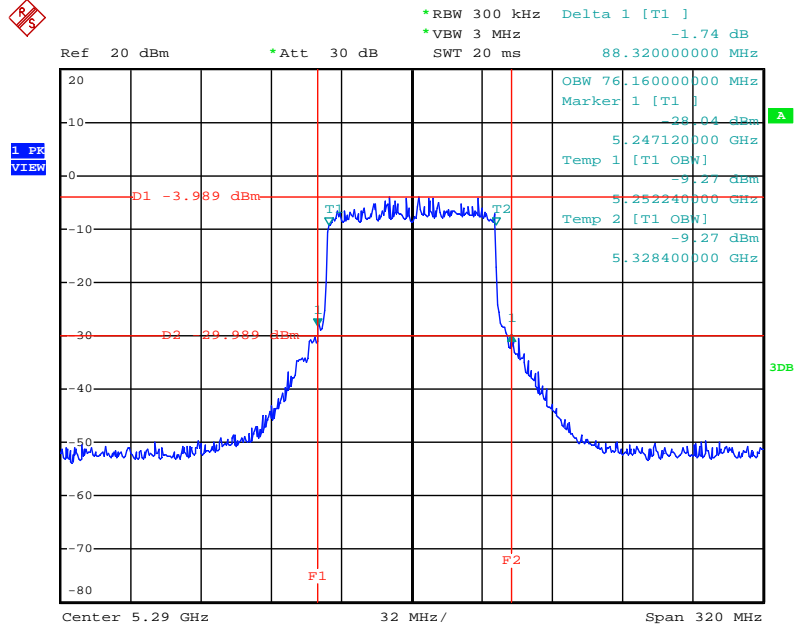
Date: 24.MAY.2013 22:28:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



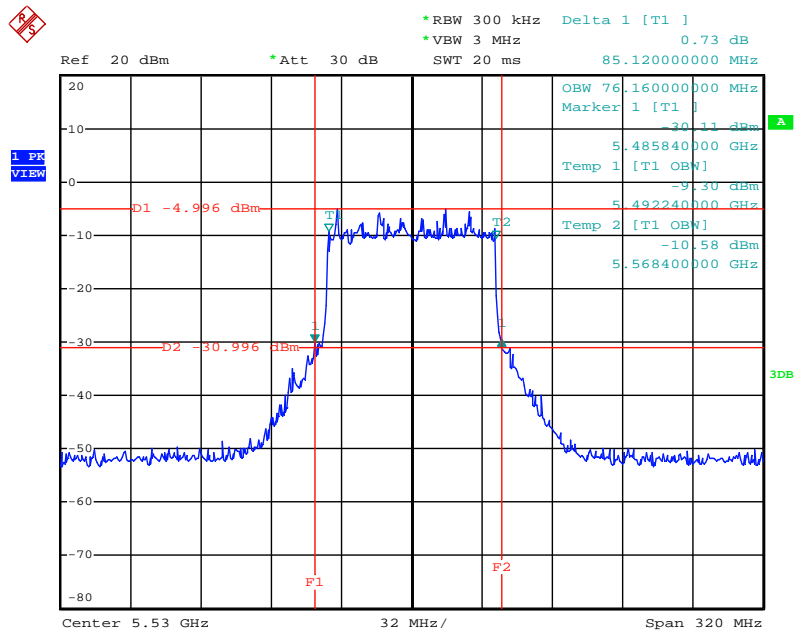
Date: 24.MAY.2013 22:28:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Date: 24.MAY.2013 22:38:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz

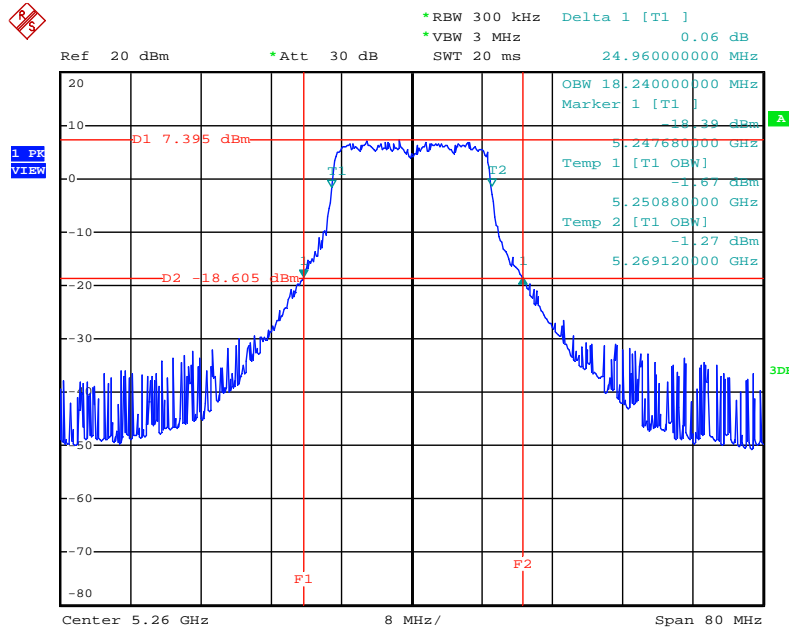


Date: 24.MAY.2013 22:44:38

Mode 2 (Ant.3 Panel antenna / 12.5dBi)

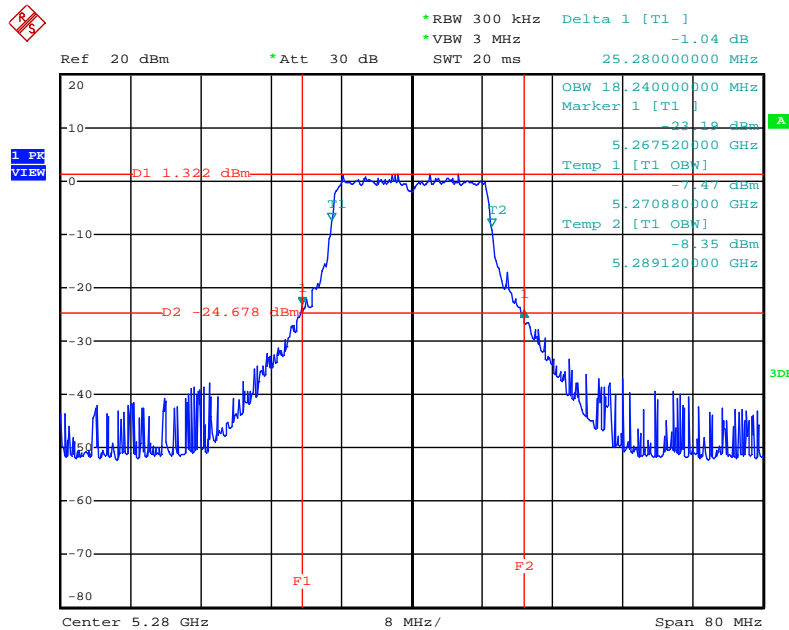
1TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



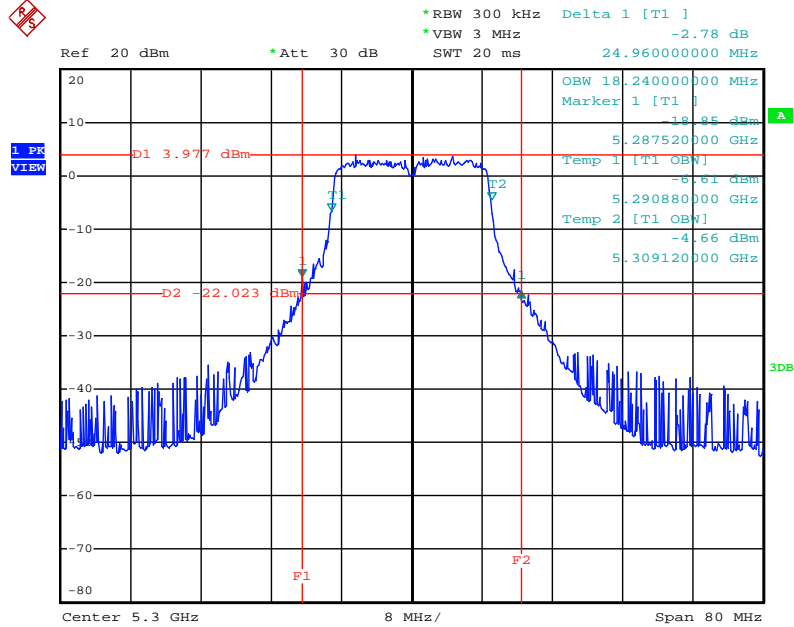
Date: 24.MAY.2013 12:57:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5280 MHz



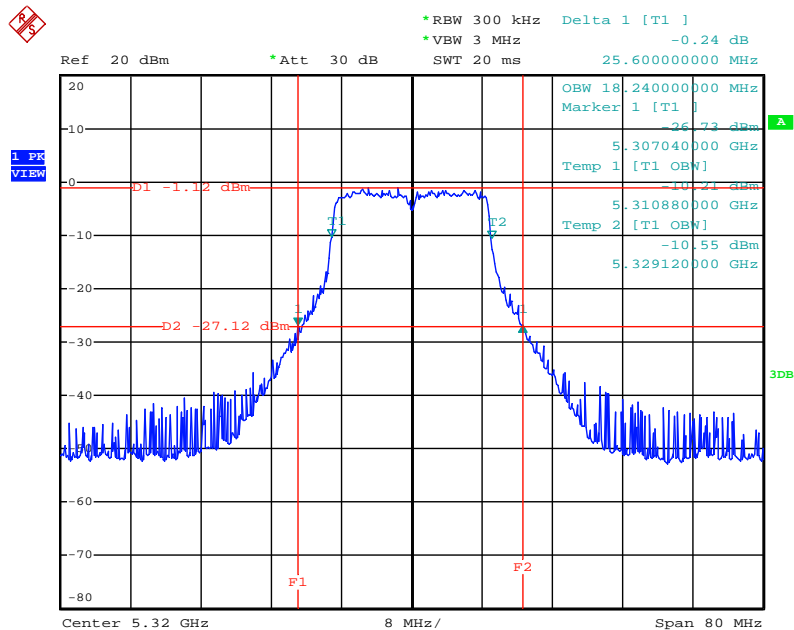
Date: 24.MAY.2013 12:58:00

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHz



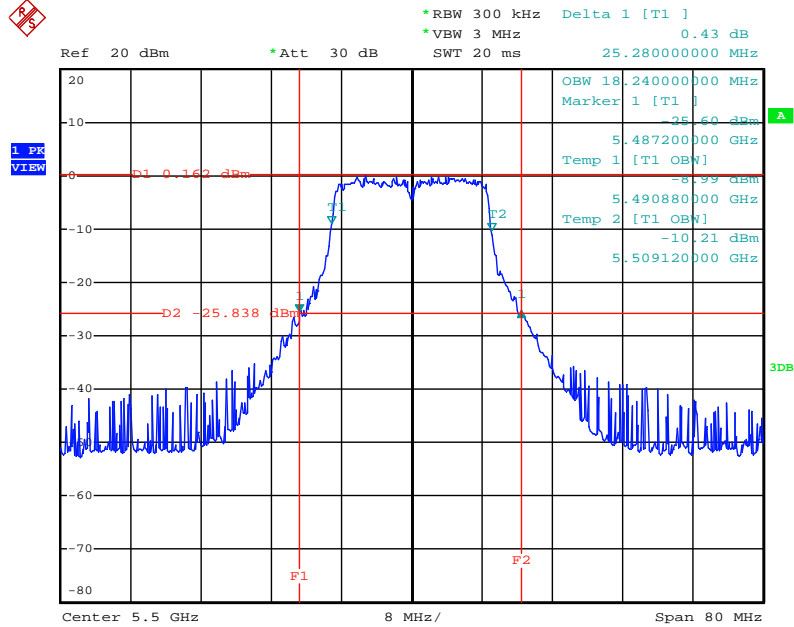
Date: 24.MAY.2013 12:58:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5320 MHz



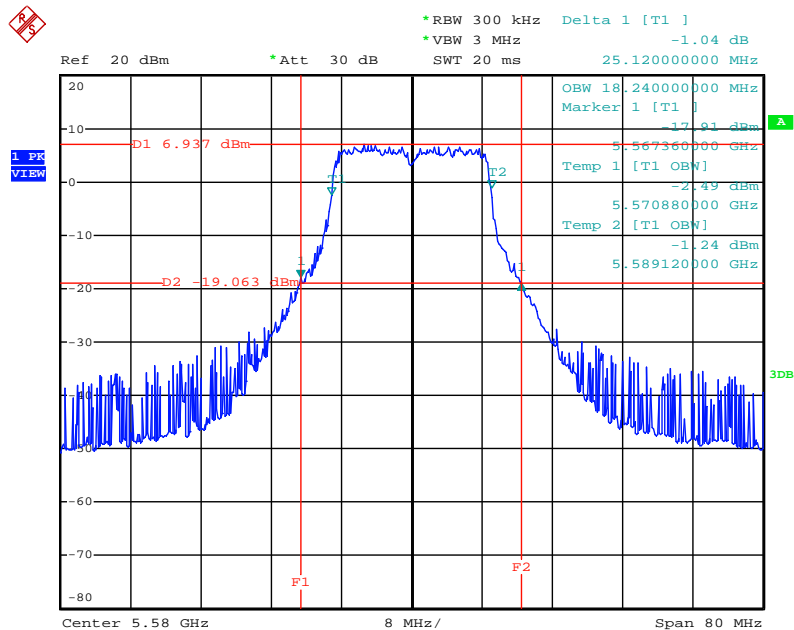
Date: 24.MAY.2013 13:00:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5500 MHz



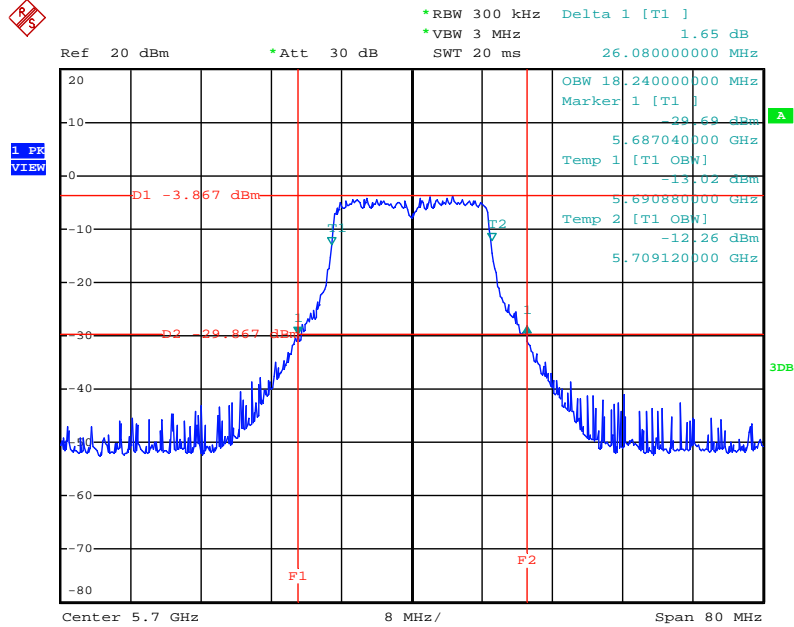
Date: 24.MAY.2013 13:04:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



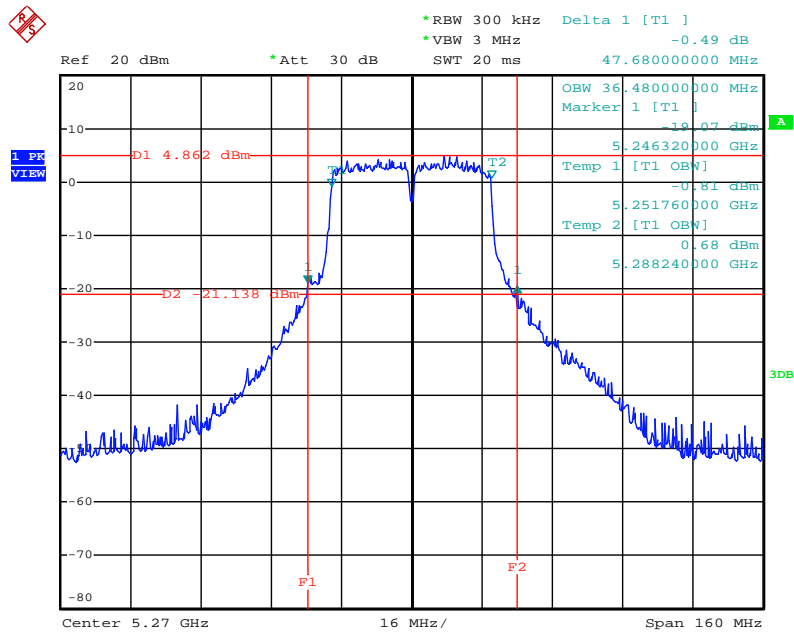
Date: 24.MAY.2013 13:05:00

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5700 MHz



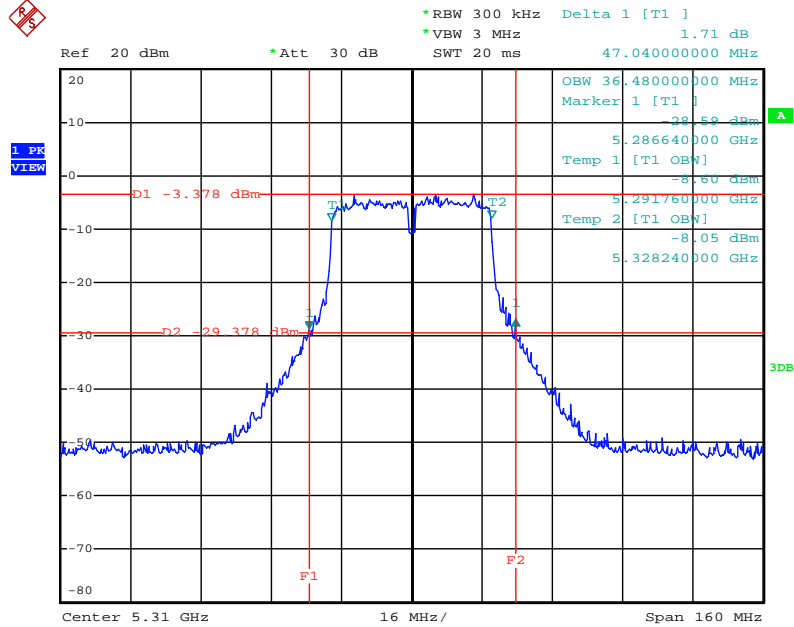
Date: 24.MAY.2013 13:07:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



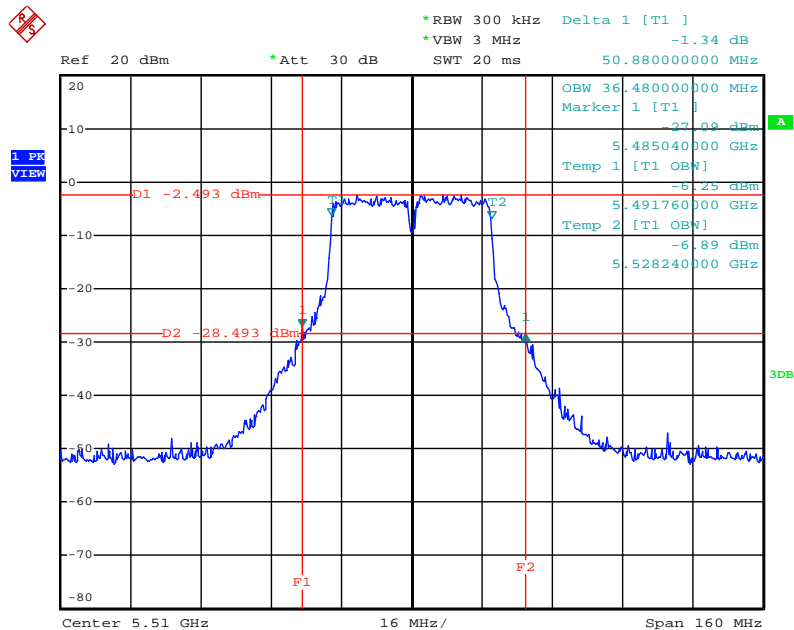
Date: 24.MAY.2013 13:21:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5310 MHz



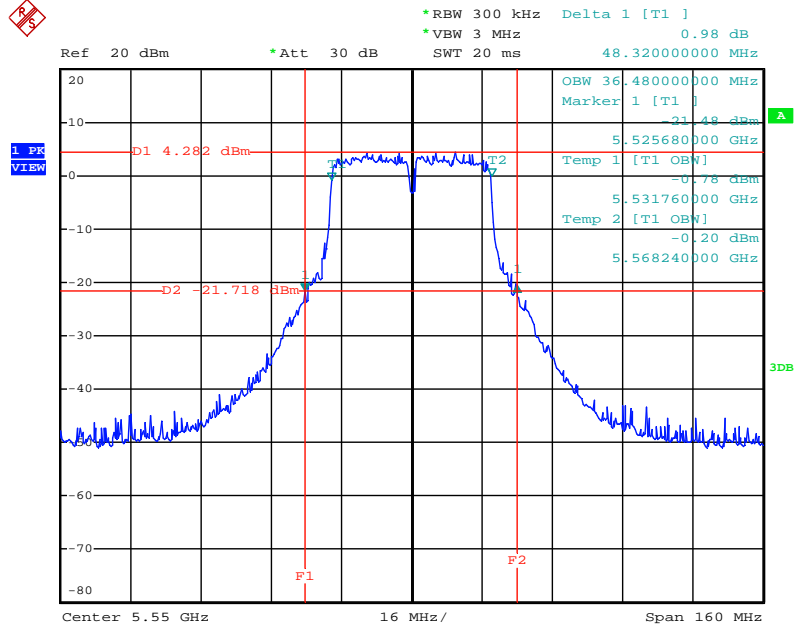
Date: 24.MAY.2013 13:24:09

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5510 MHz



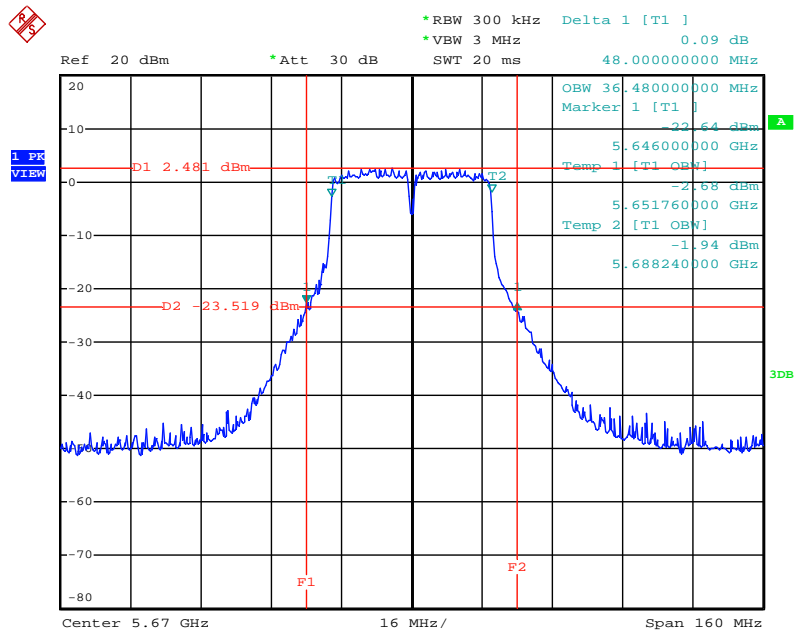
Date: 24.MAY.2013 13:20:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



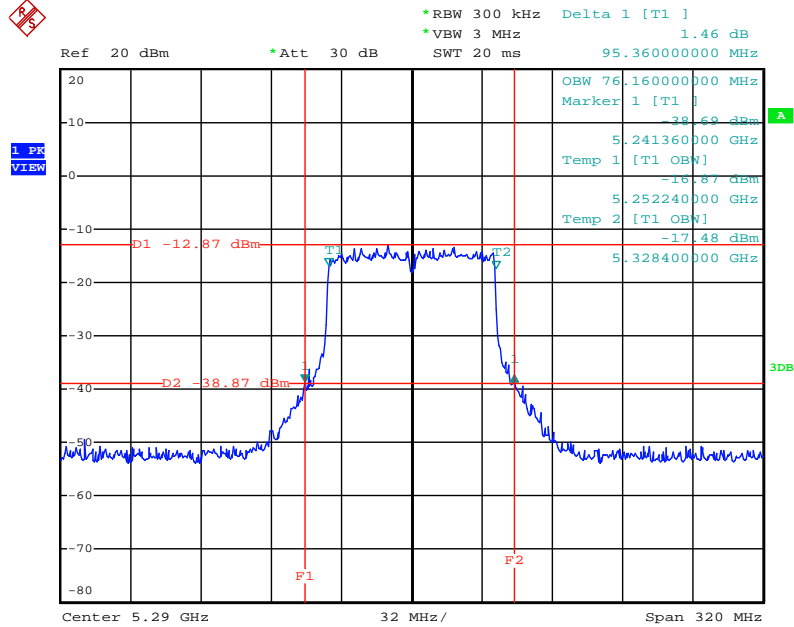
Date: 24.MAY.2013 13:17:30

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



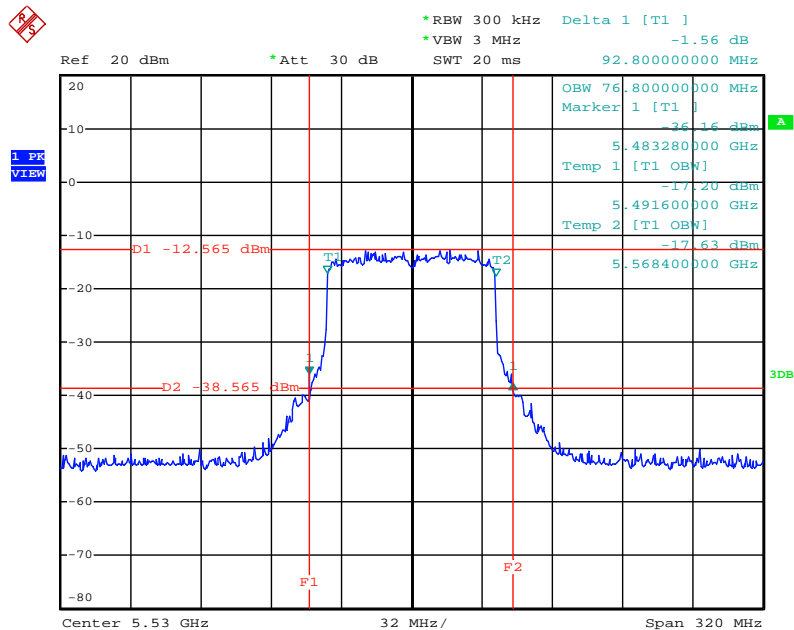
Date: 24.MAY.2013 13:16:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz



Date: 24.MAY.2013 13:27:17

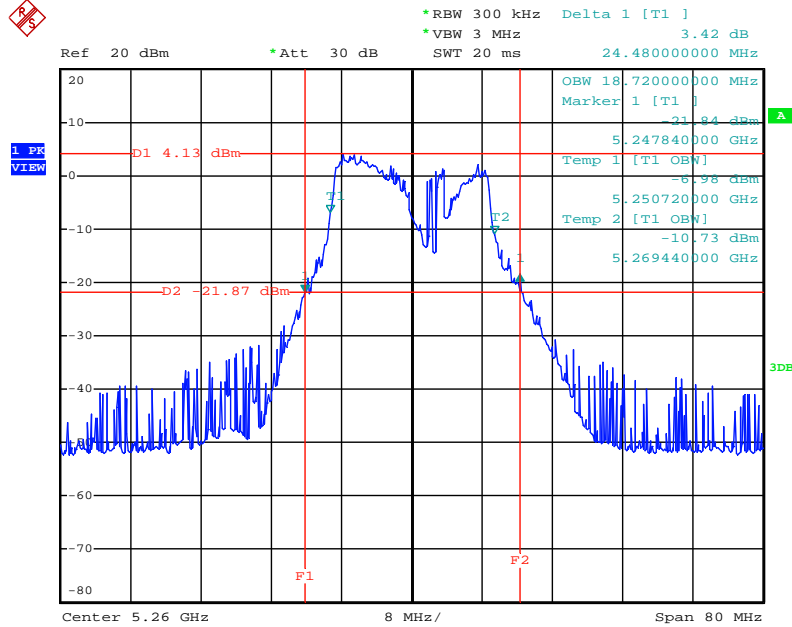
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz



Date: 24.MAY.2013 13:31:30

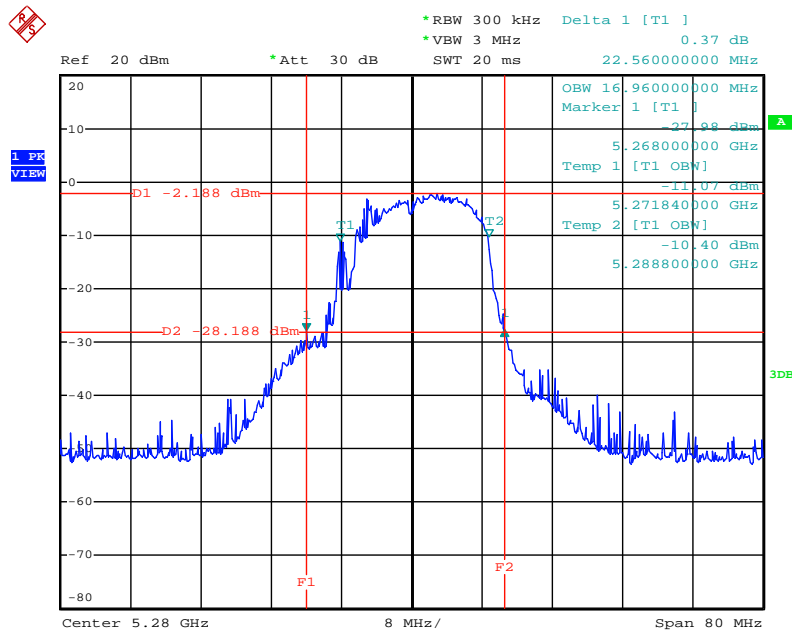
2TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



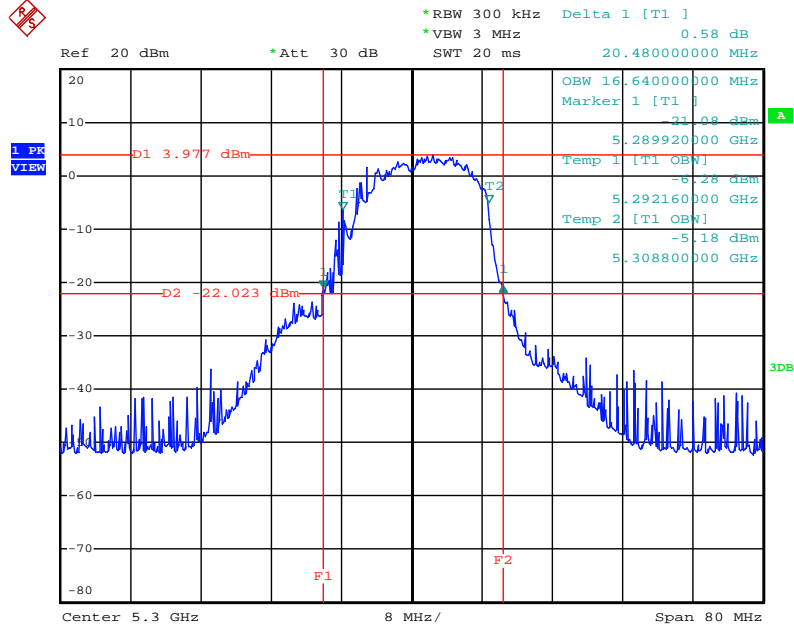
Date: 24.MAY.2013 14:35:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5280 MHz



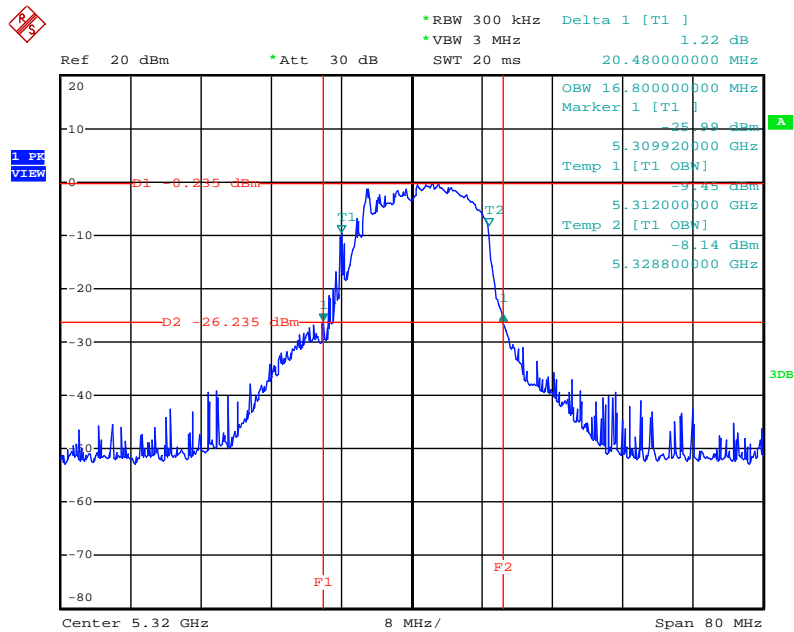
Date: 24.MAY.2013 14:38:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



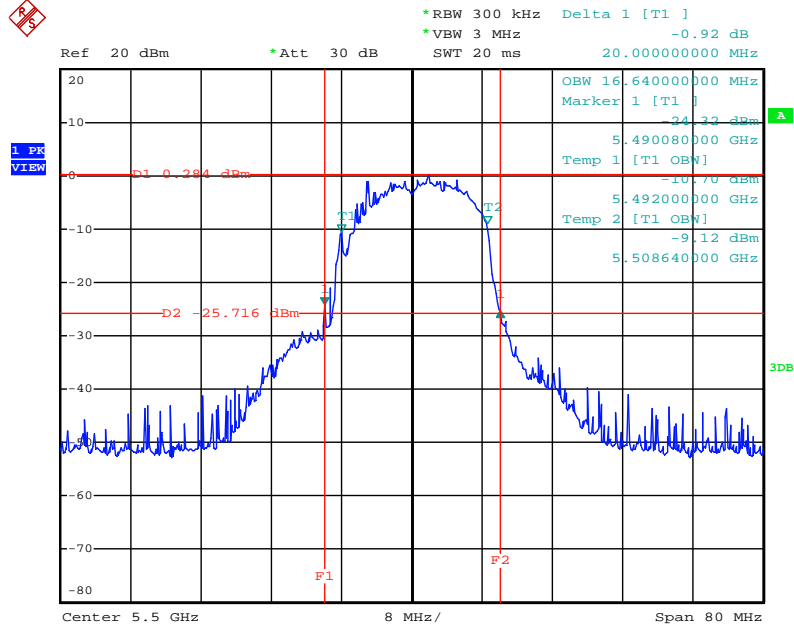
Date: 24.MAY.2013 14:39:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



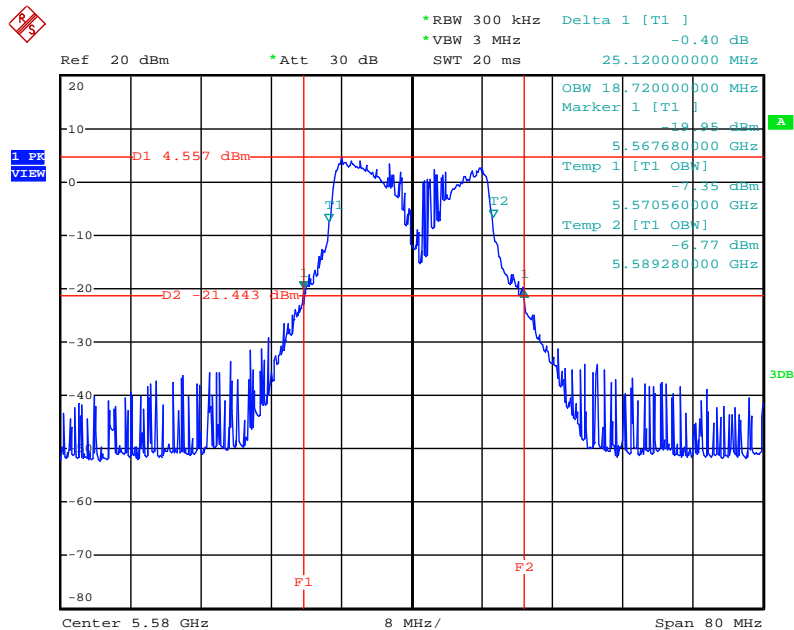
Date: 24.MAY.2013 14:45:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



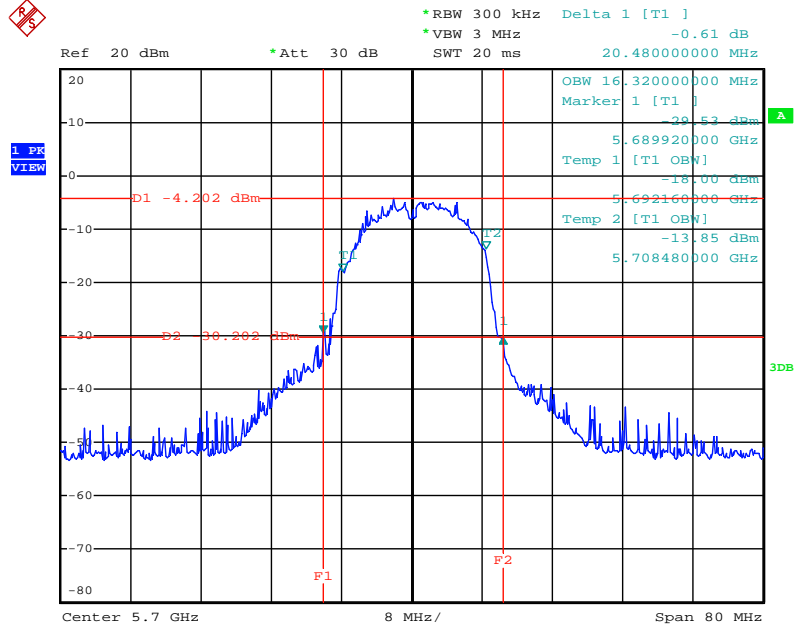
Date: 24.MAY.2013 14:47:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



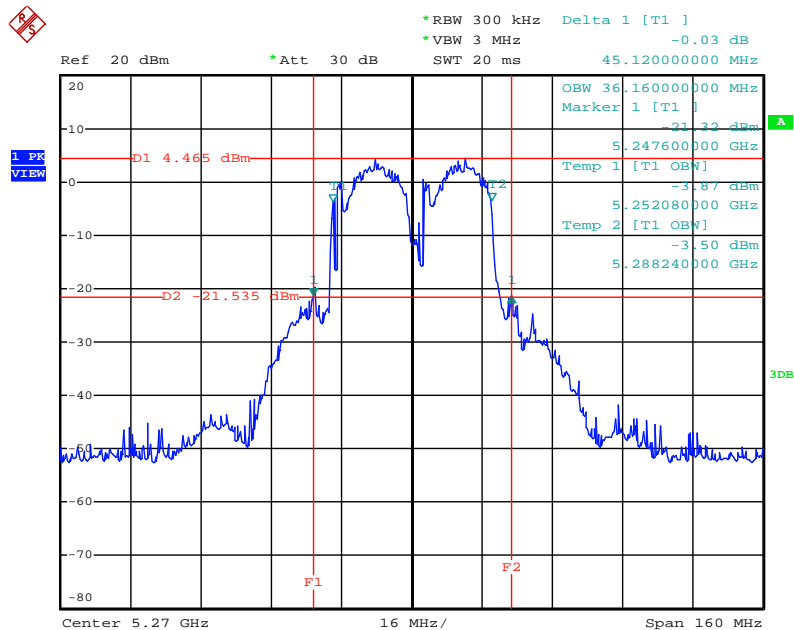
Date: 24.MAY.2013 14:50:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5700 MHz



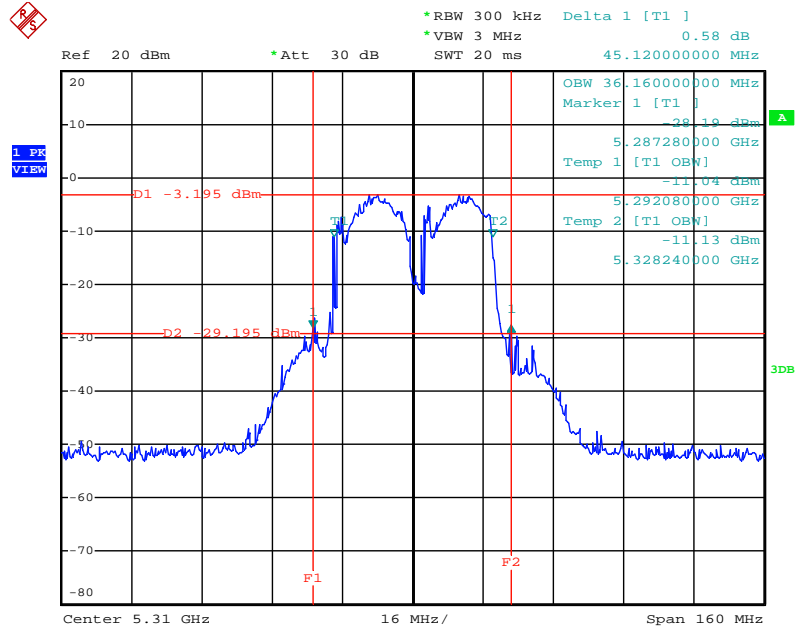
Date: 24.MAY.2013 14:52:01

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz



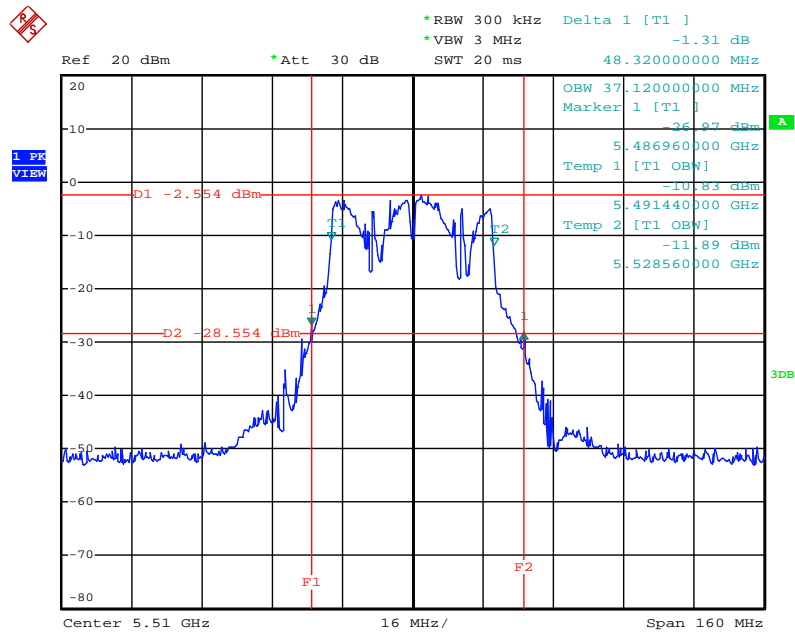
Date: 24.MAY.2013 15:08:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5310 MHz



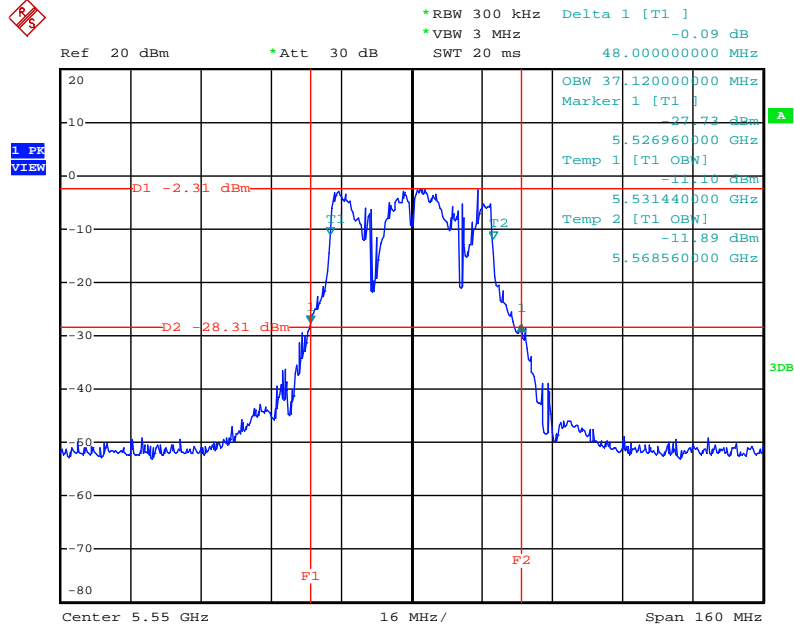
Date: 24.MAY.2013 15:12:34

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



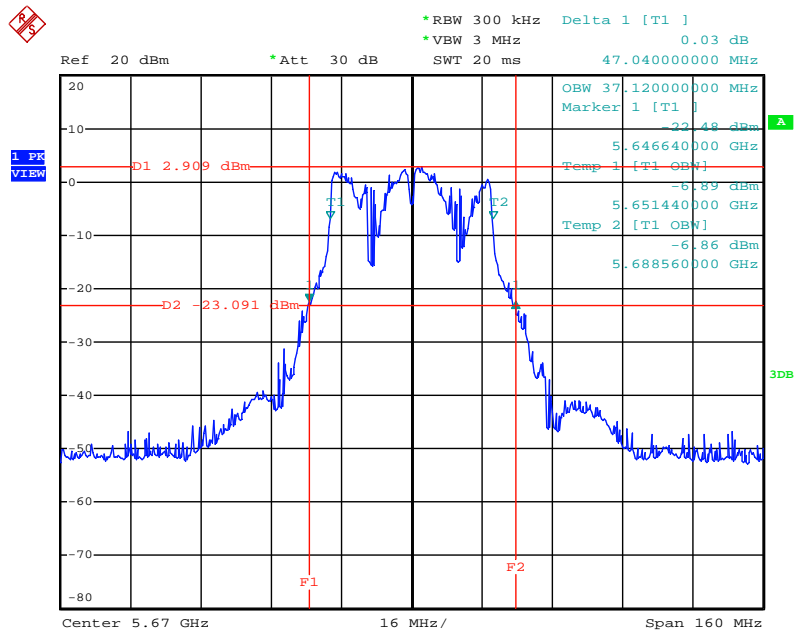
Date: 24.MAY.2013 15:06:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



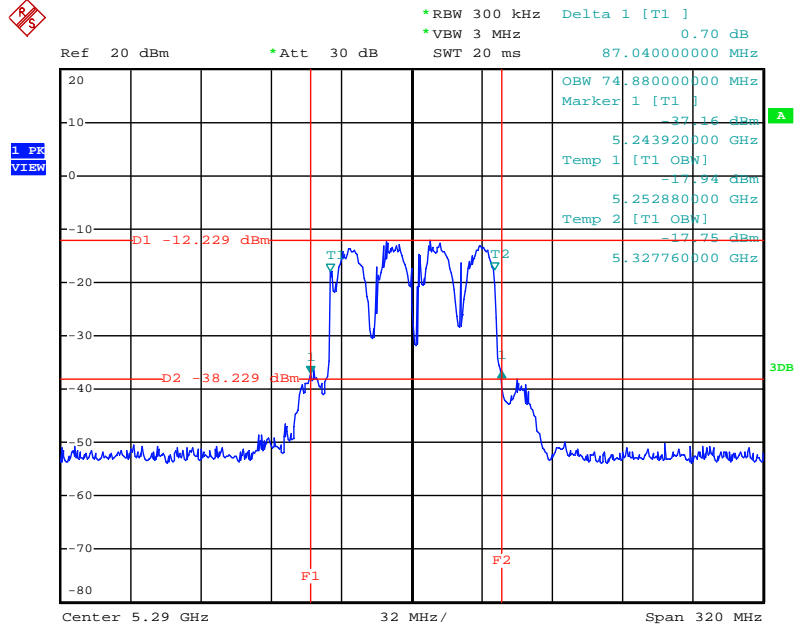
Date: 24.MAY.2013 15:07:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5670 MHz



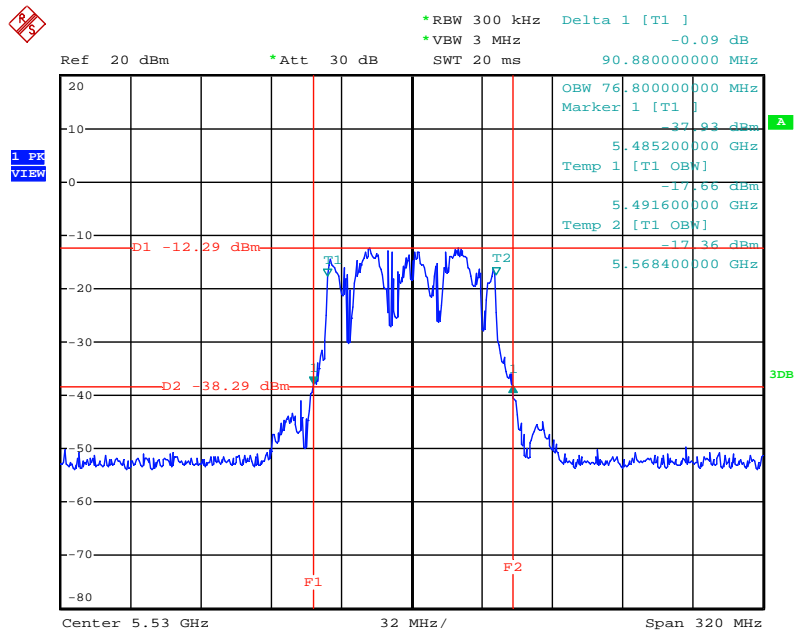
Date: 24.MAY.2013 15:01:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



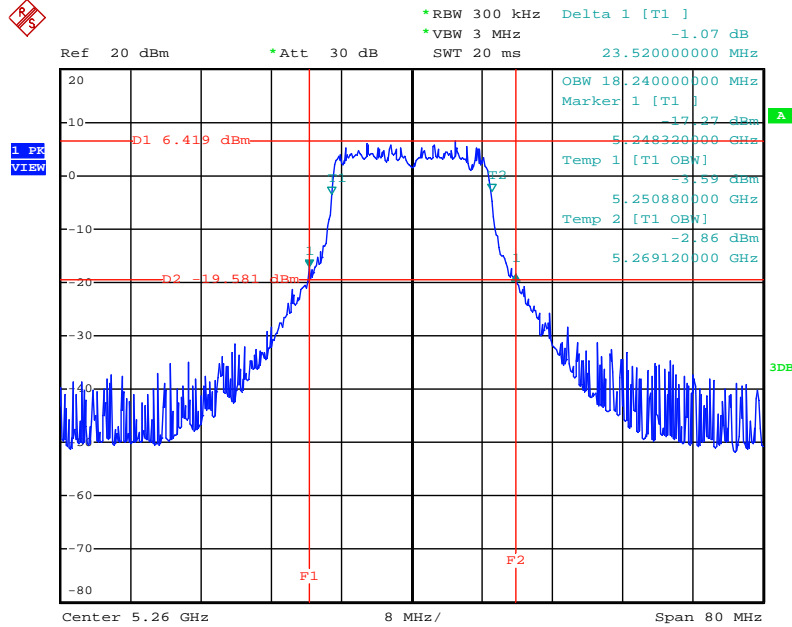
Date: 24.MAY.2013 15:19:35

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



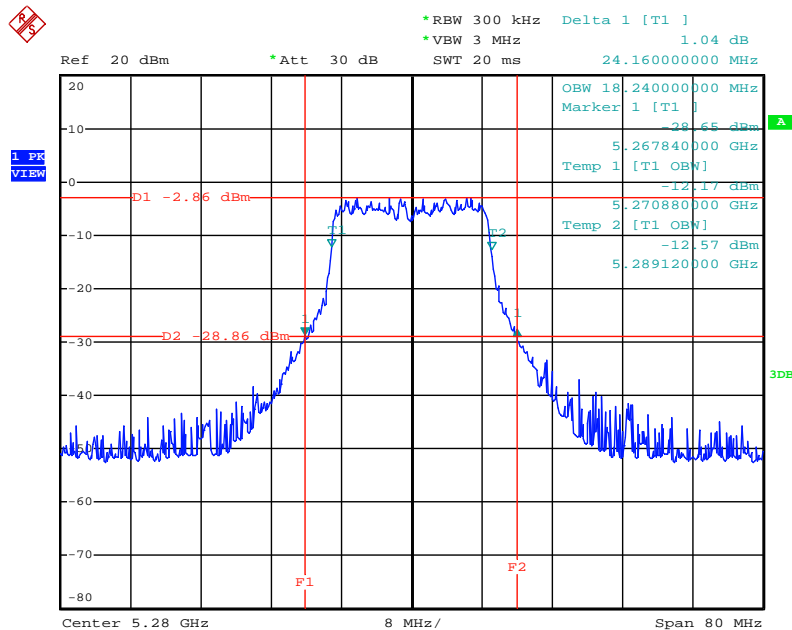
Date: 24.MAY.2013 15:20:30

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



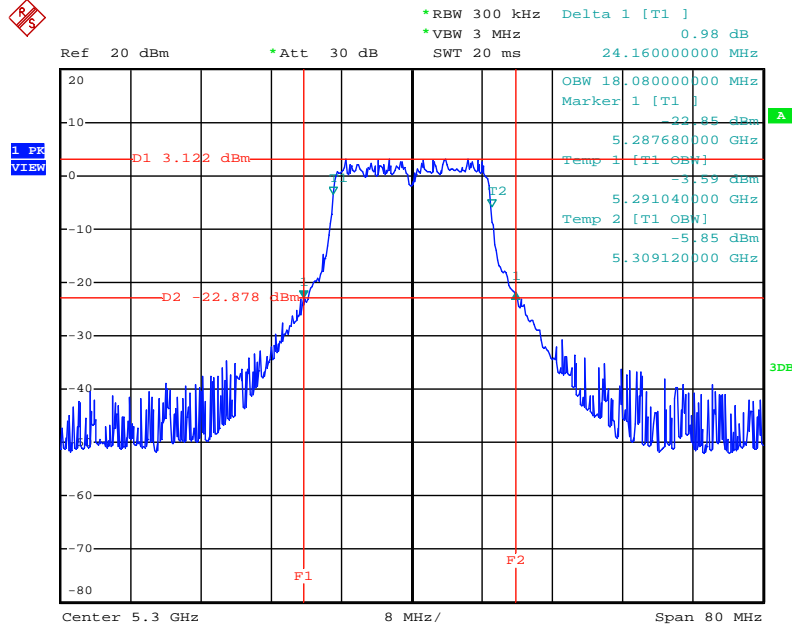
Date: 24.MAY.2013 17:04:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5280 MHz



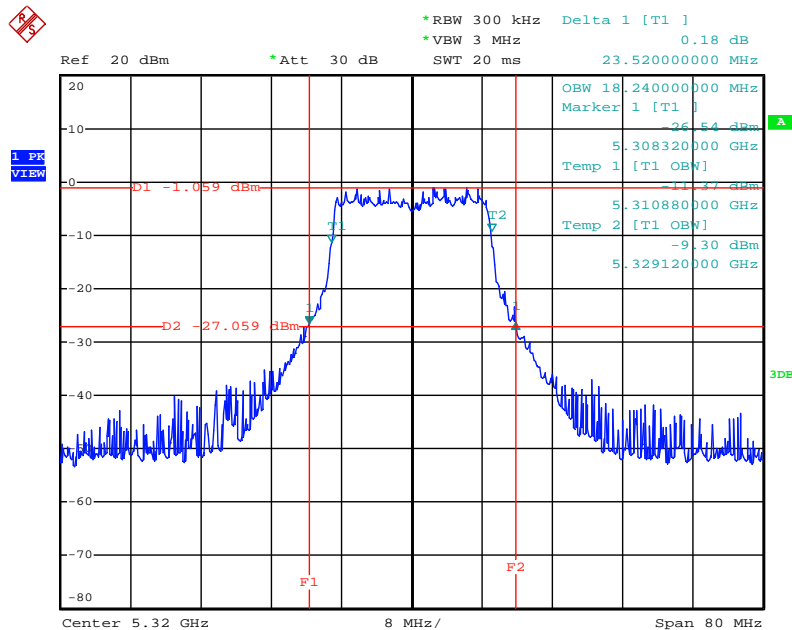
Date: 24.MAY.2013 17:05:00

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5300 MHz



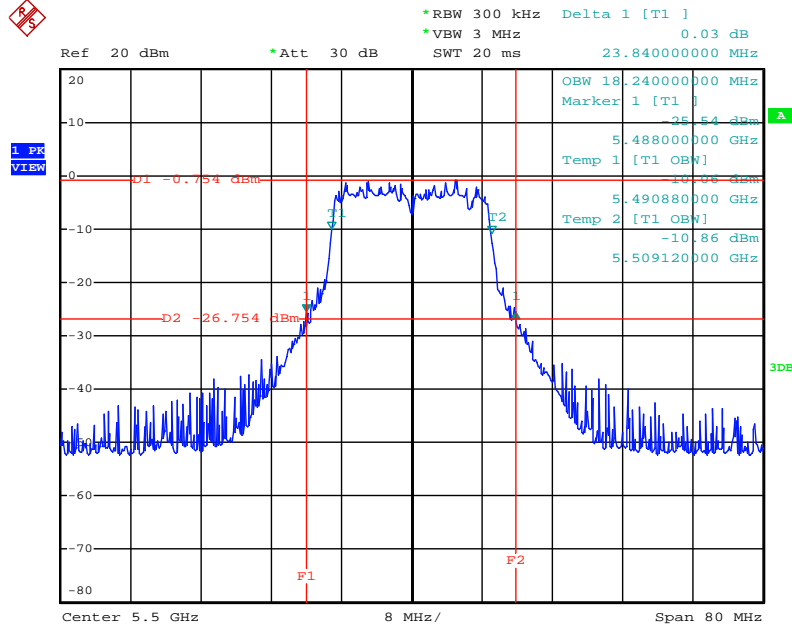
Date: 24.MAY.2013 17:10:16

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5320 MHz



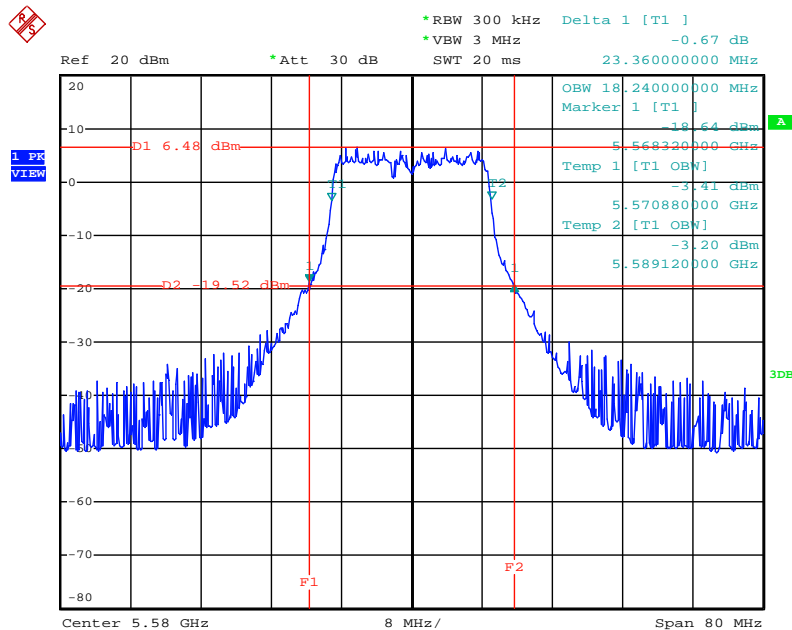
Date: 24.MAY.2013 17:13:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5500 MHz



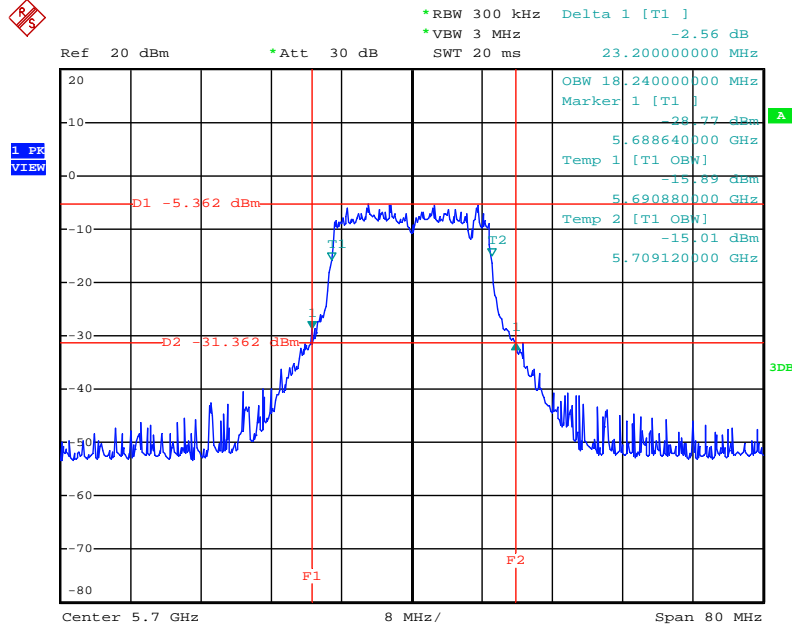
Date: 24.MAY.2013 16:56:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



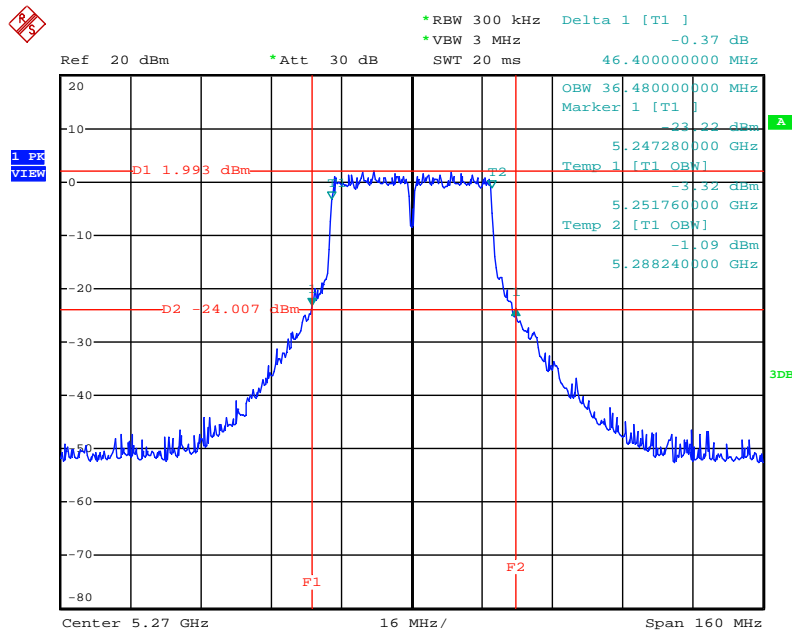
Date: 24.MAY.2013 16:58:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5700 MHz



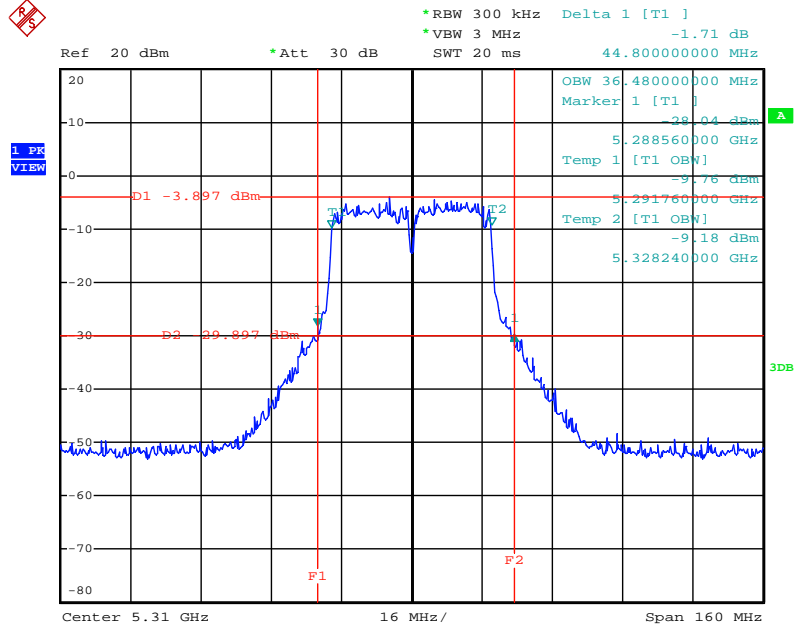
Date: 24.MAY.2013 17:01:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5270 MHz



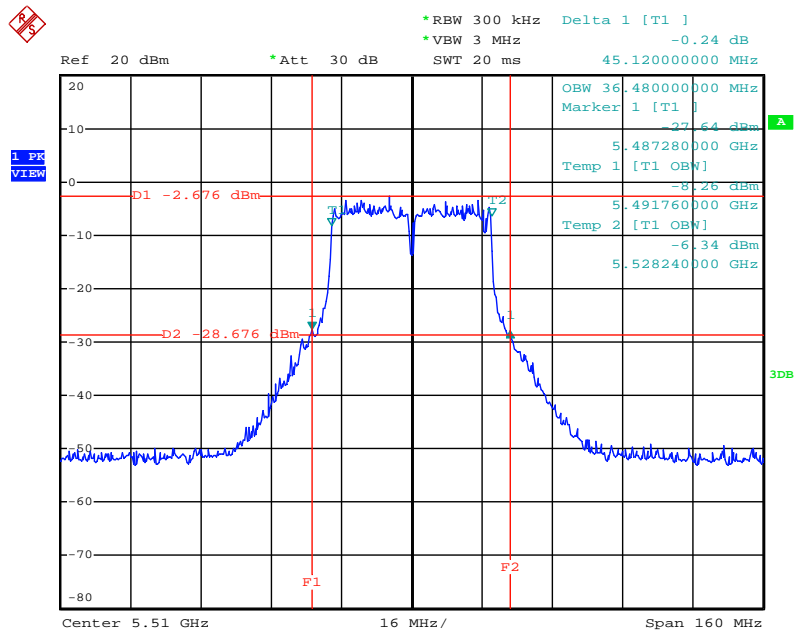
Date: 24.MAY.2013 15:49:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5310 MHz



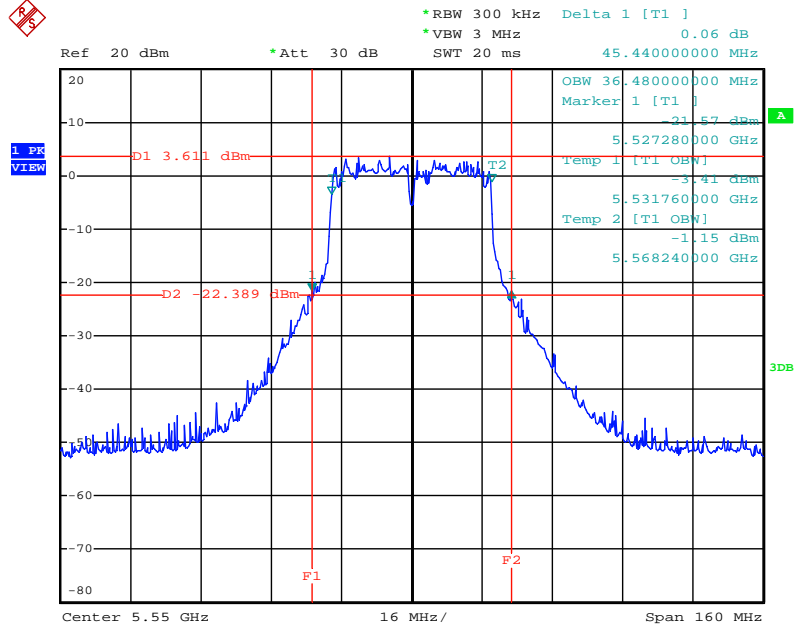
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5510 MHz



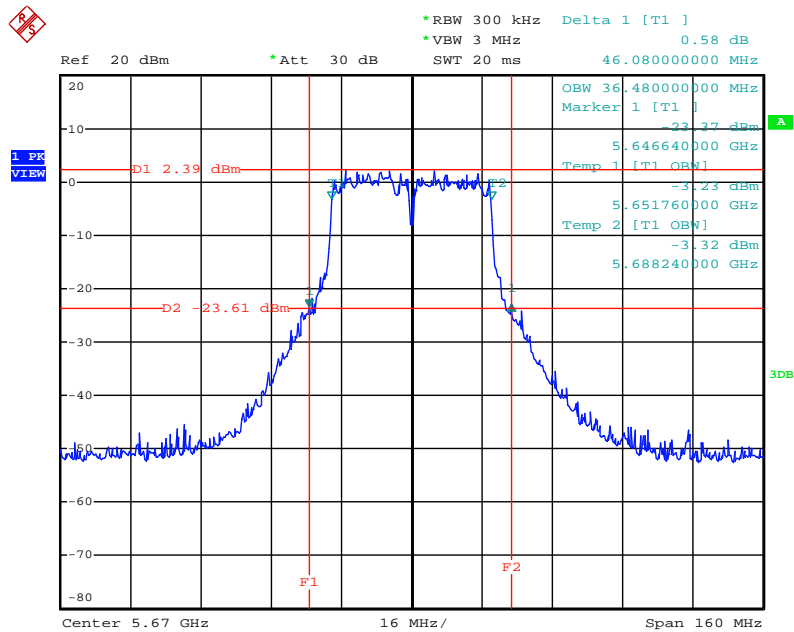
Date: 24.MAY.2013 15:53:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



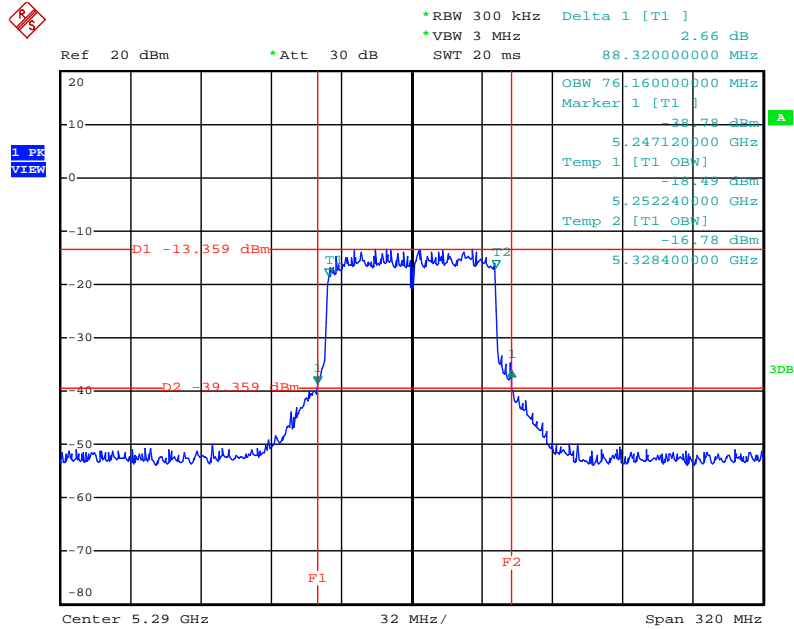
Date: 24.MAY.2013 15:55:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5670 MHz



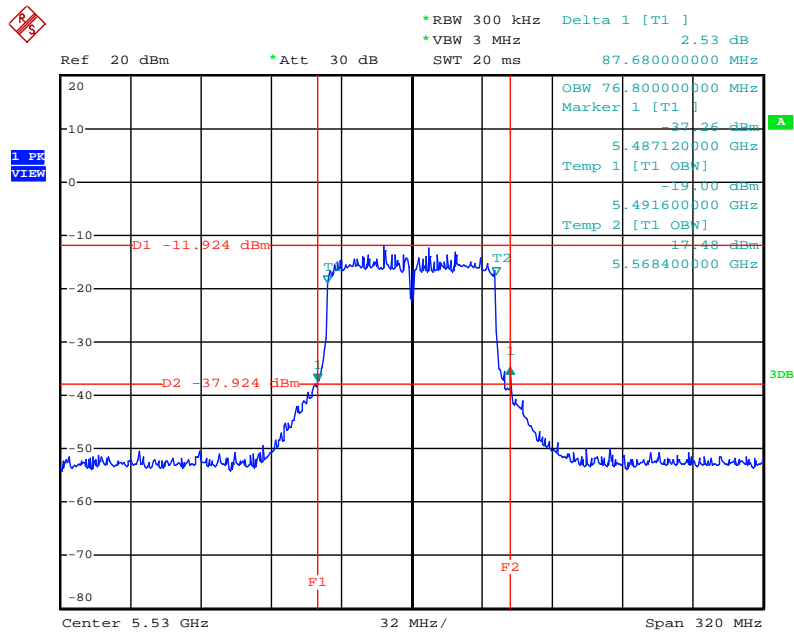
Date: 24.MAY.2013 15:57:58

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Date: 24.MAY.2013 15:44:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz

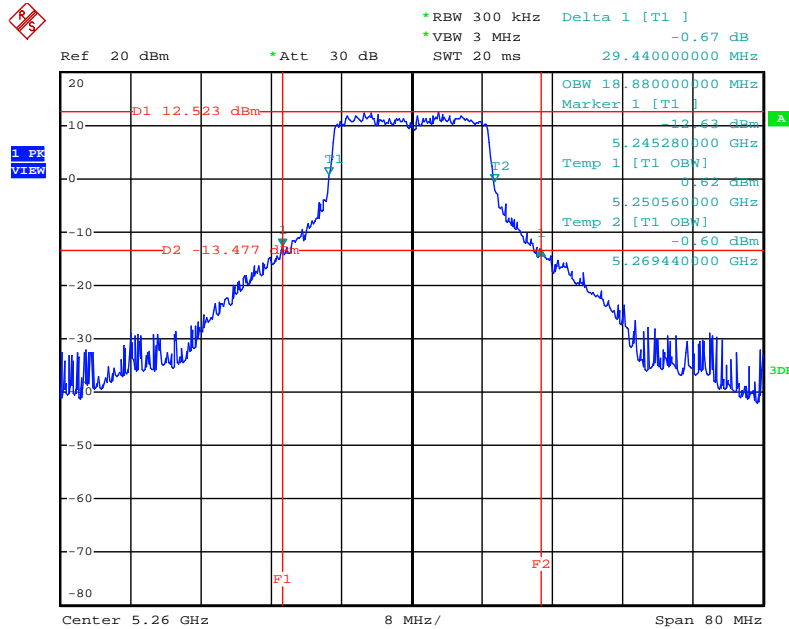


Date: 24.MAY.2013 15:40:06

Mode 3 (Ant.4 Yagi antenna / 8dBi)

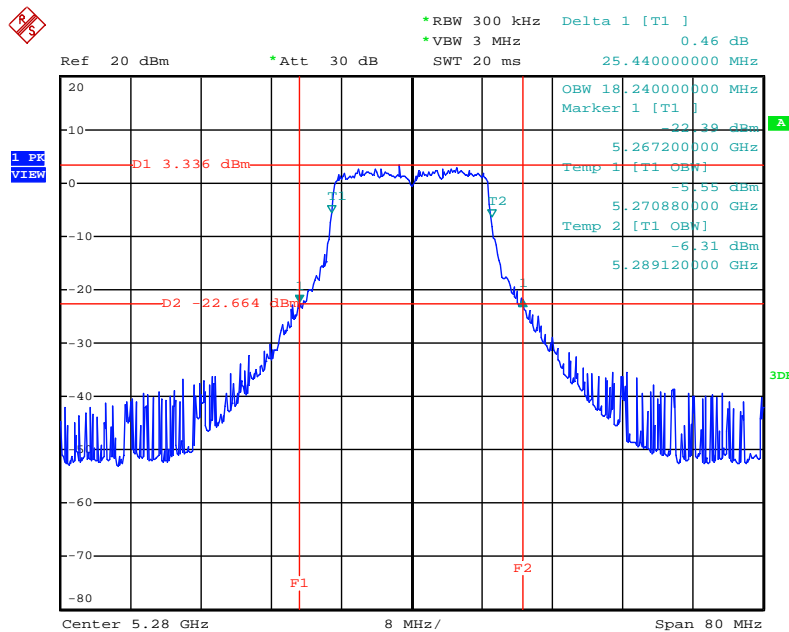
1TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



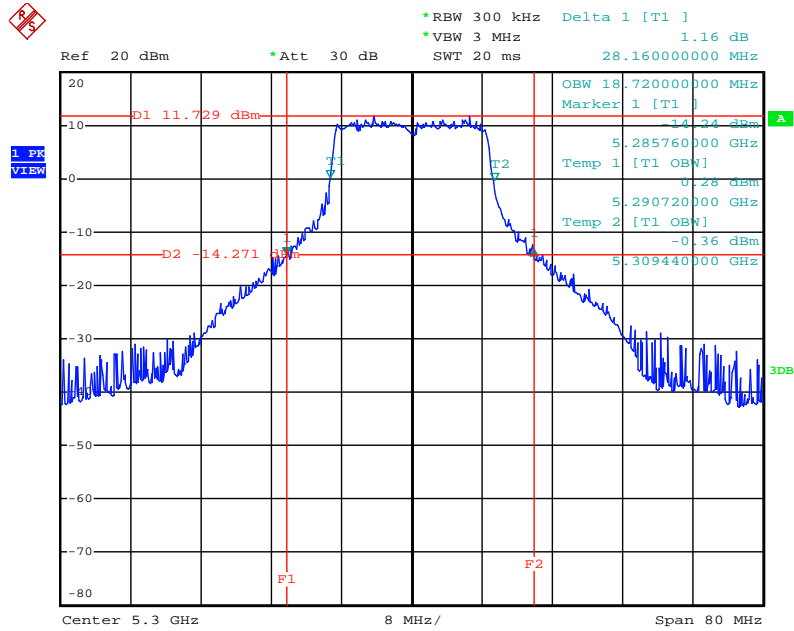
Date: 21.MAY.2013 13:44:00

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5280 MHz



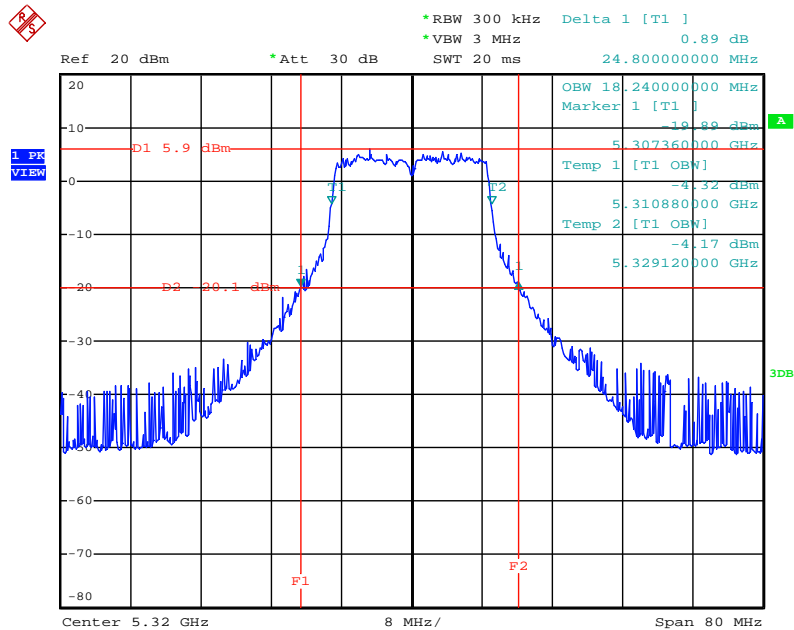
Date: 4.JUN.2013 23:10:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHZ



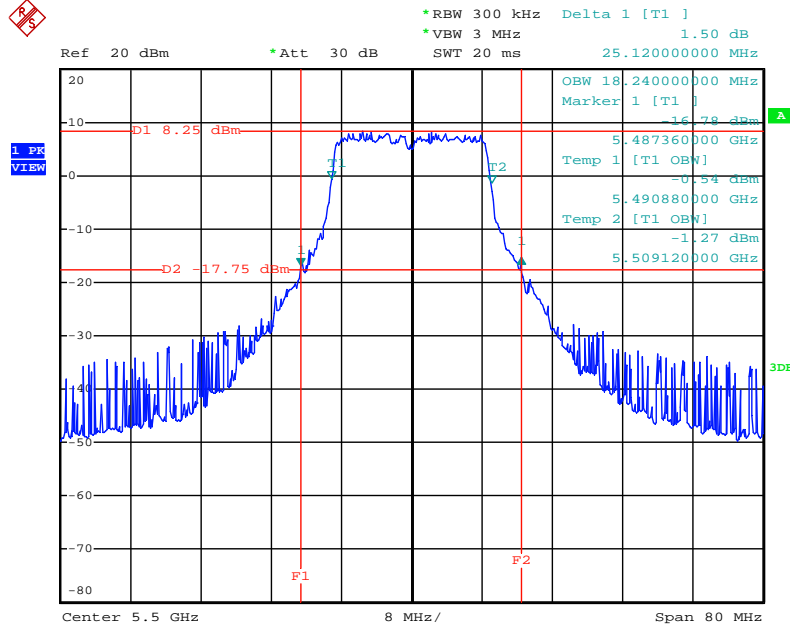
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5320 MHz



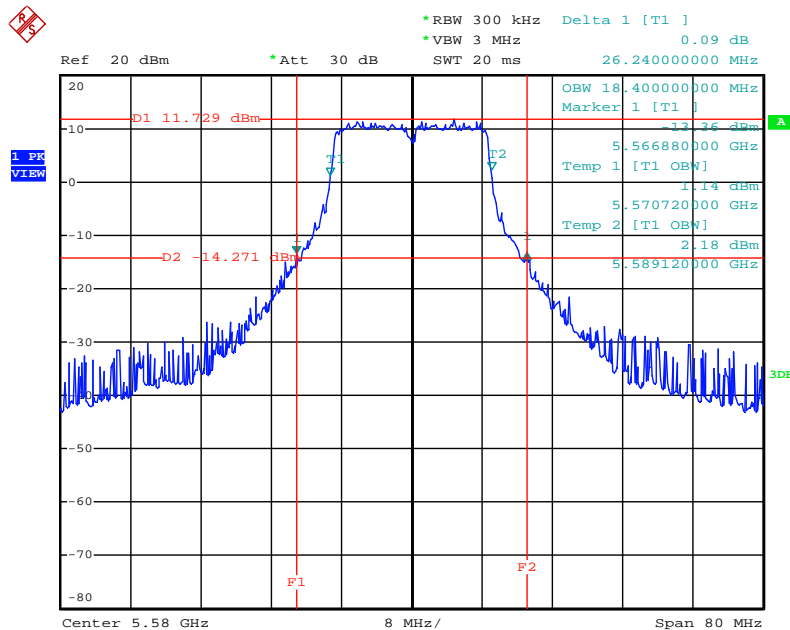
Date: 21.MAY.2013 13:48:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5500 MHz



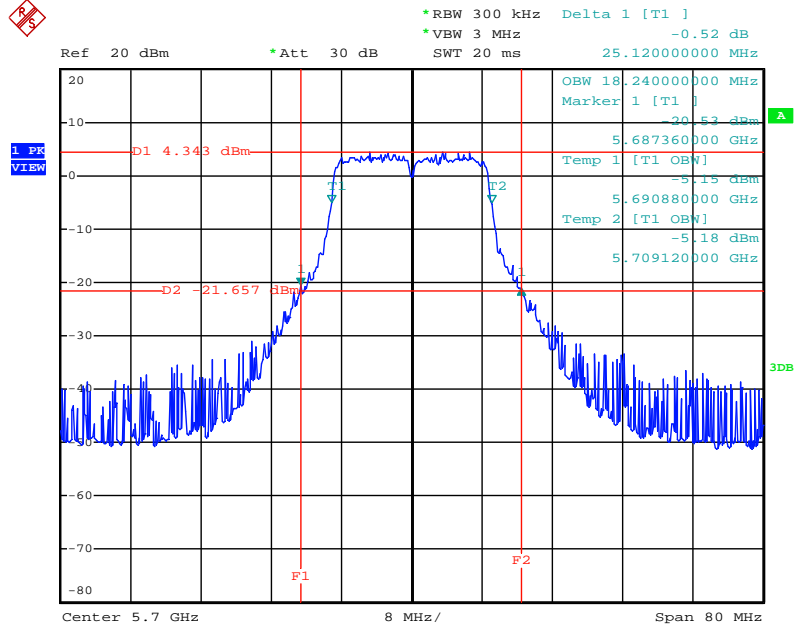
Date: 21.MAY.2013 13:48:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



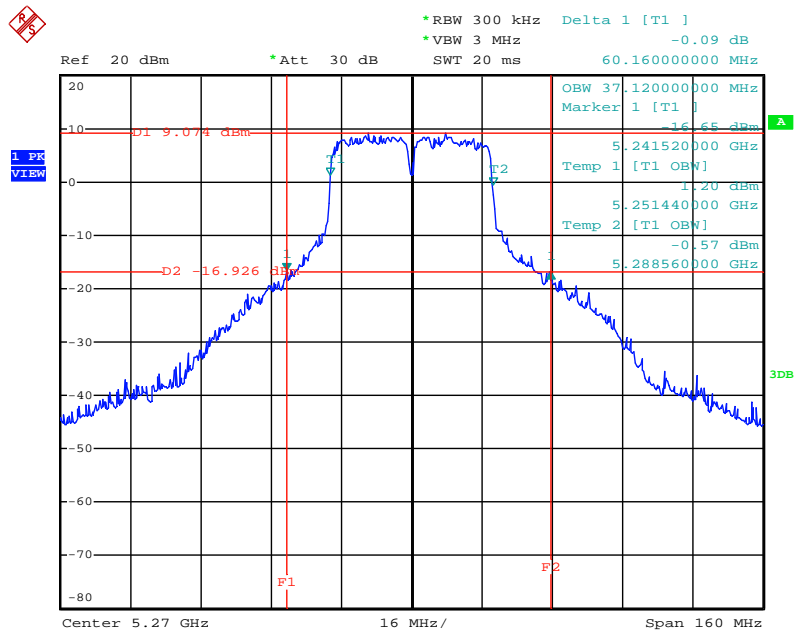
Date: 21.MAY.2013 13:44:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5700 MHz



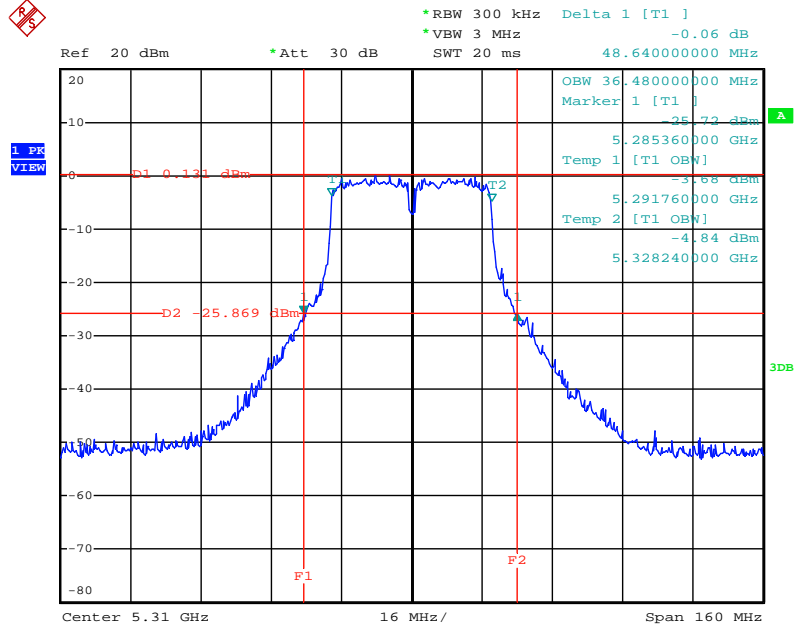
Date: 21.MAY.2013 13:47:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



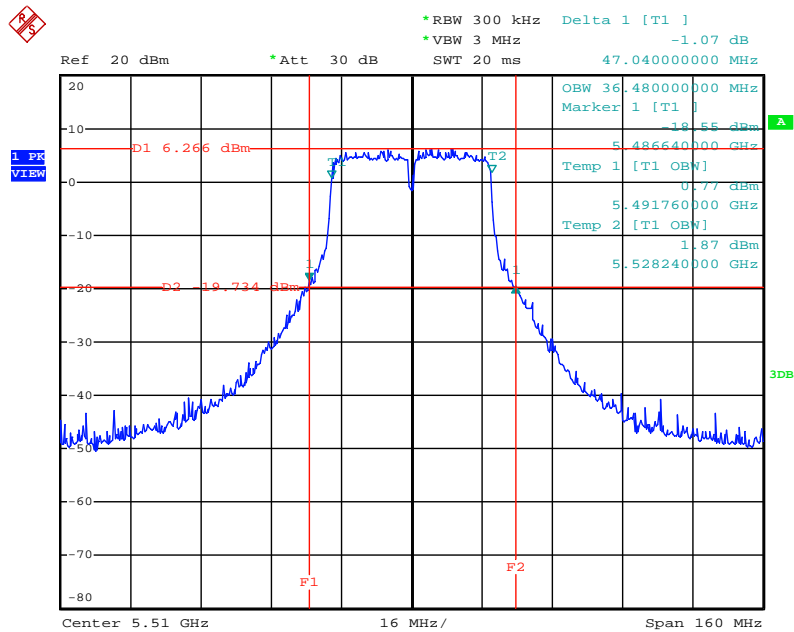
Date: 21.MAY.2013 13:51:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5310 MHz



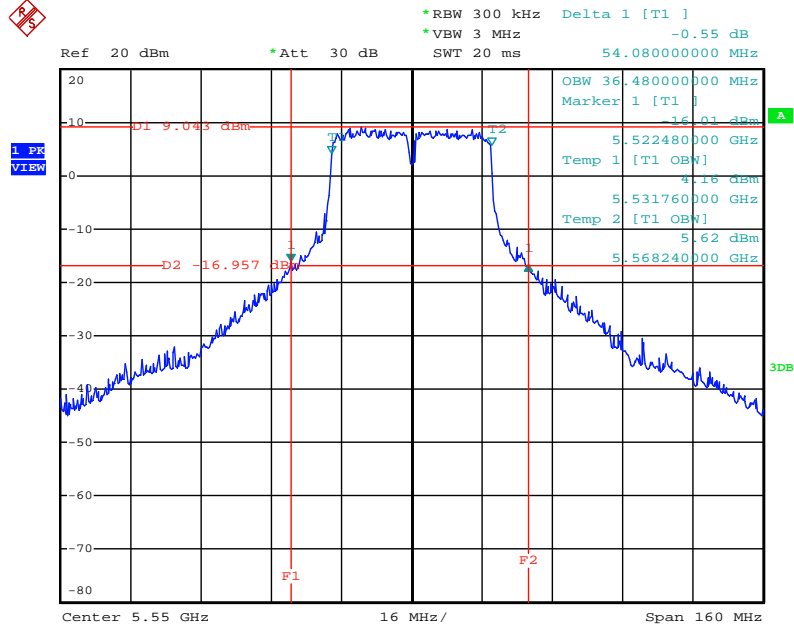
Date: 21.MAY.2013 13:52:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5510 MHz



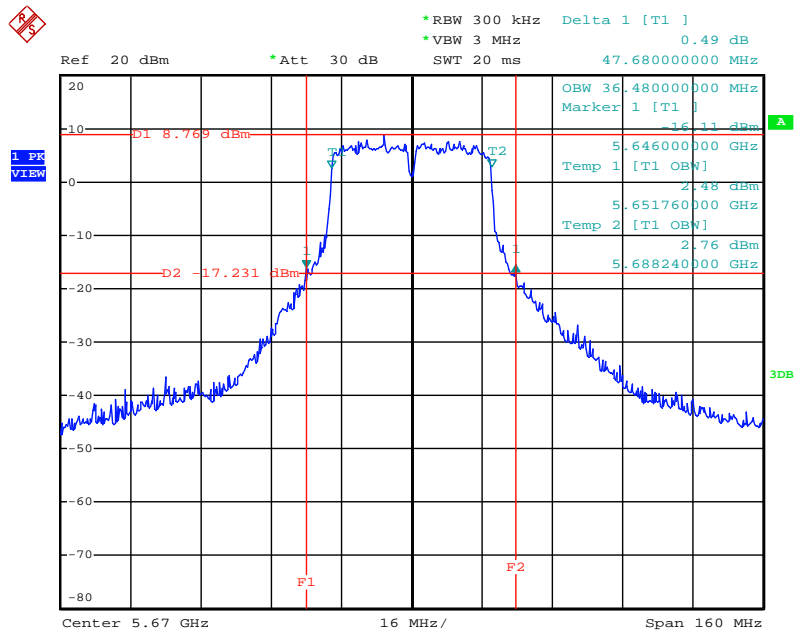
Date: 21.MAY.2013 13:55:05

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



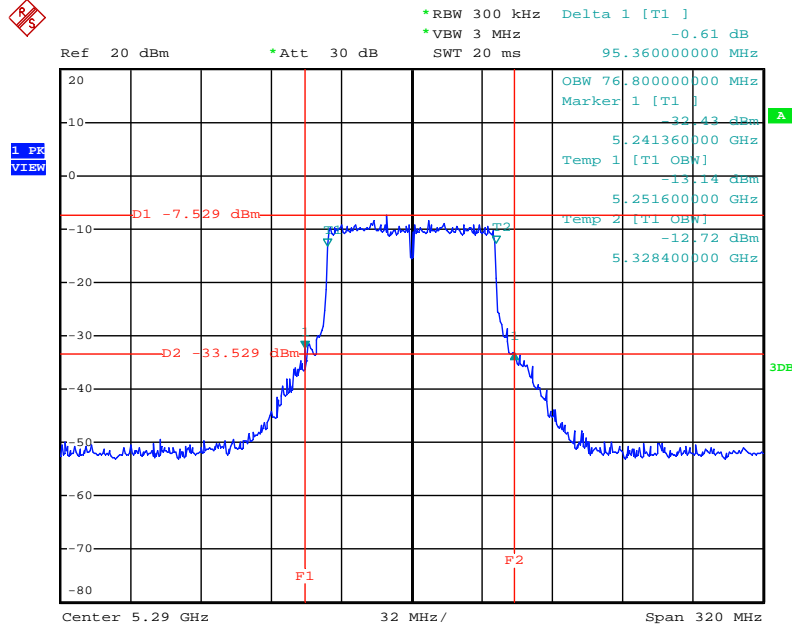
Date: 21.MAY.2013 13:56:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



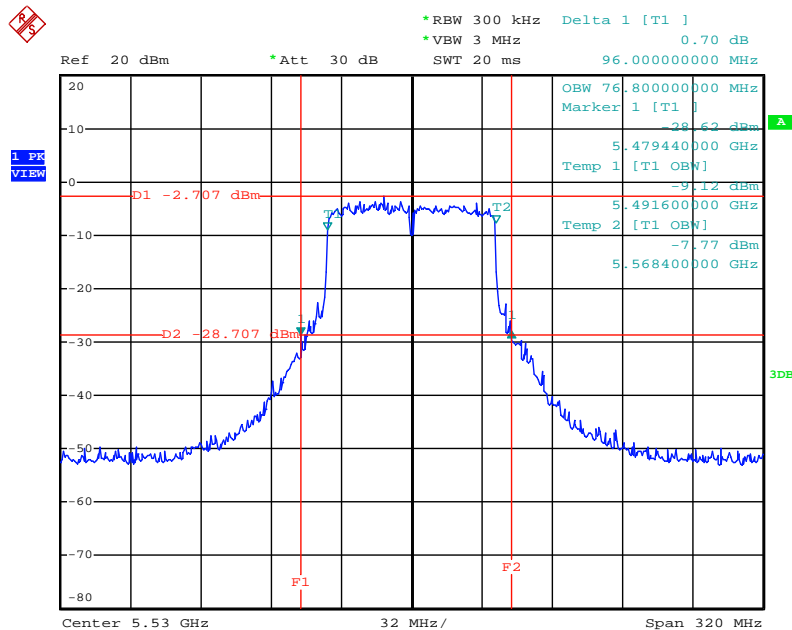
Date: 21.MAY.2013 13:56:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz



Date: 21.MAY.2013 14:04:01

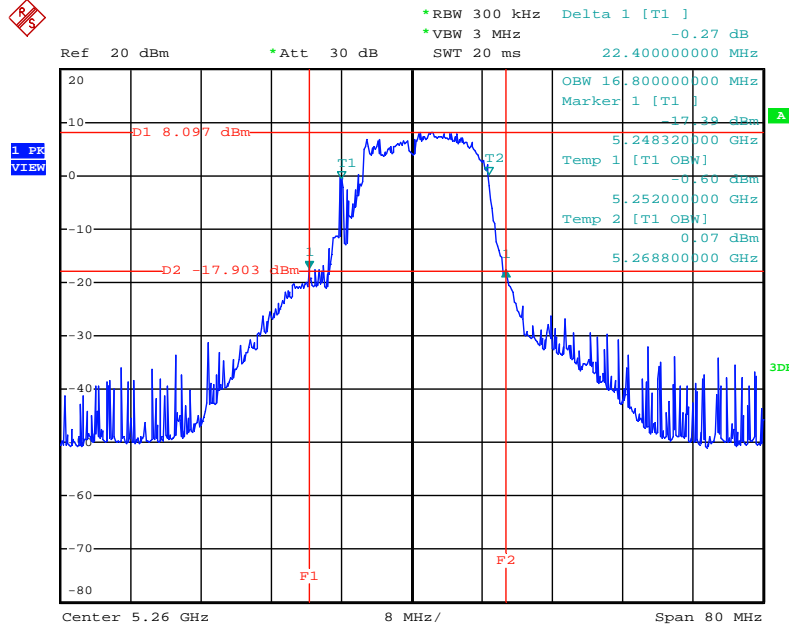
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz



Date: 21.MAY.2013 14:01:48

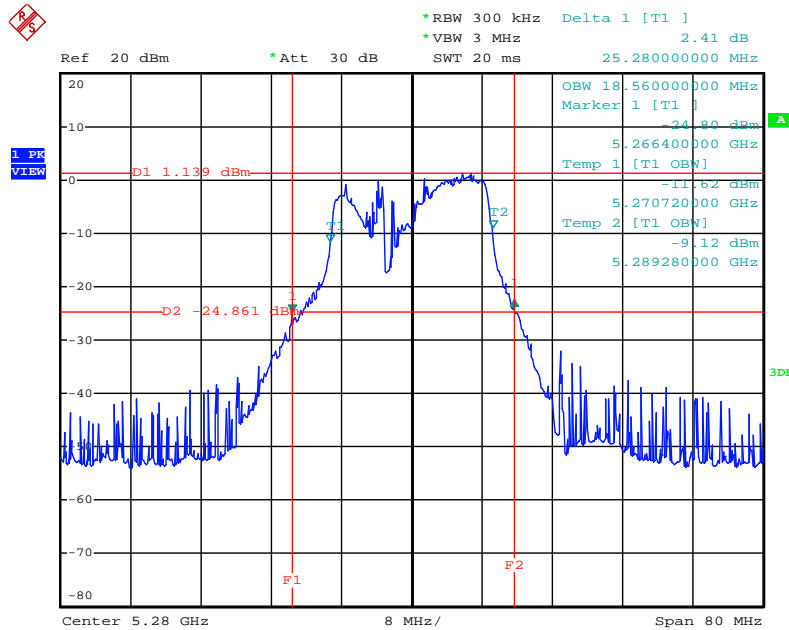
2TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



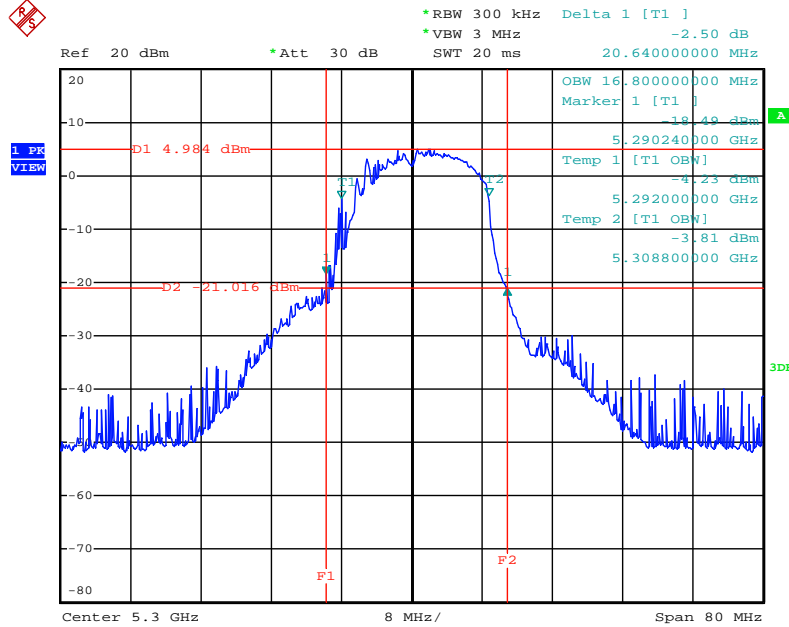
Date: 24.MAY.2013 14:36:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5280 MHz



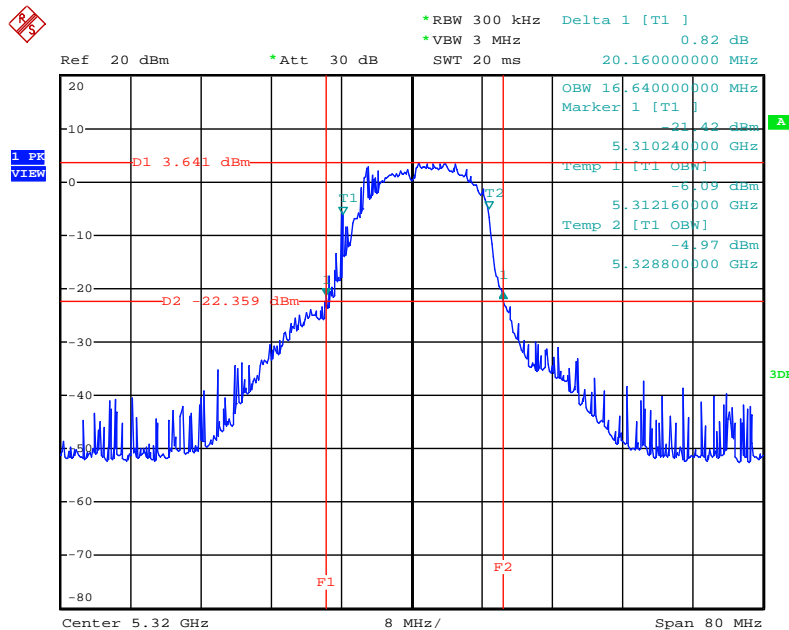
Date: 4.JUN.2013 23:41:59

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



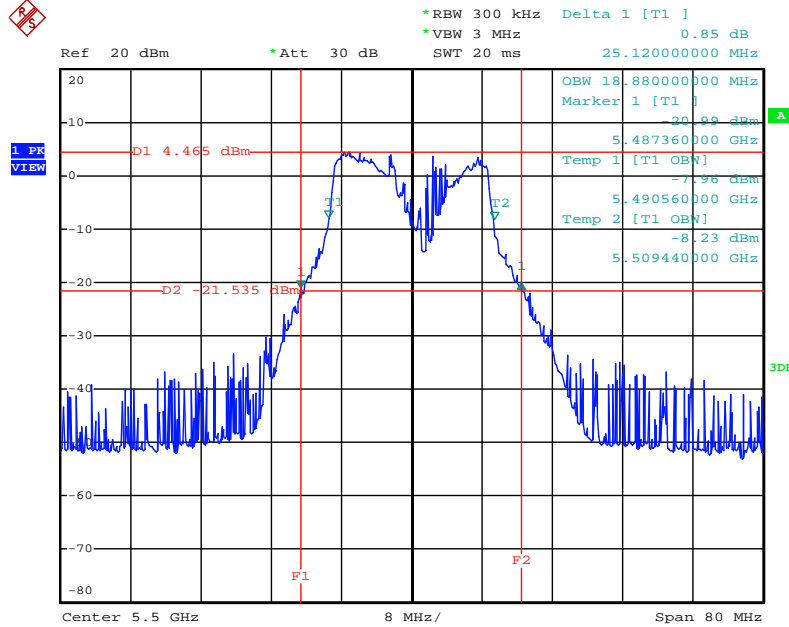
Date: 24.MAY.2013 14:41:03

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



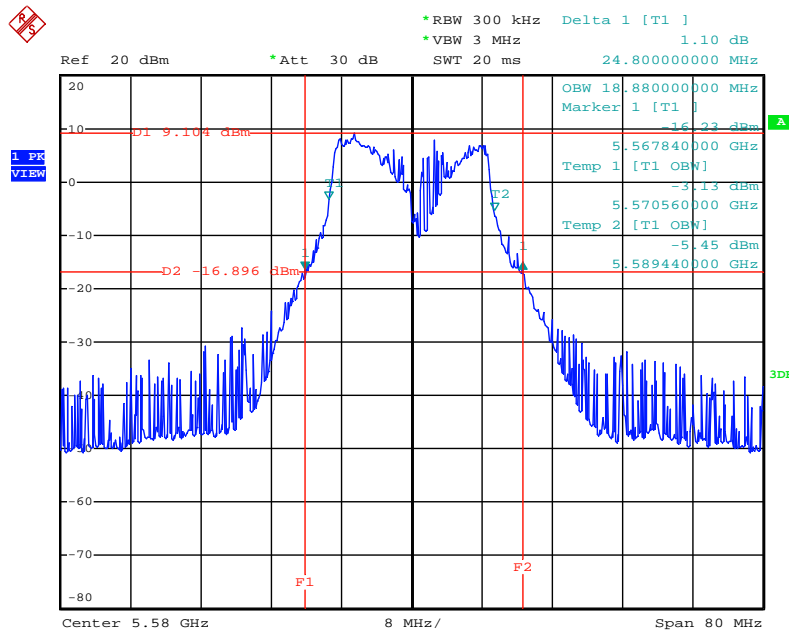
Date: 24.MAY.2013 14:44:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



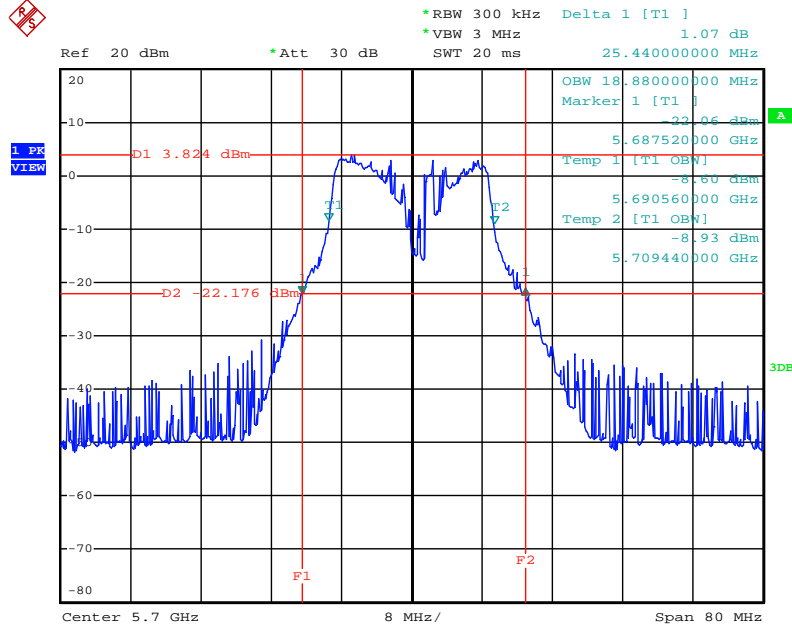
Date: 24.MAY.2013 14:48:16

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



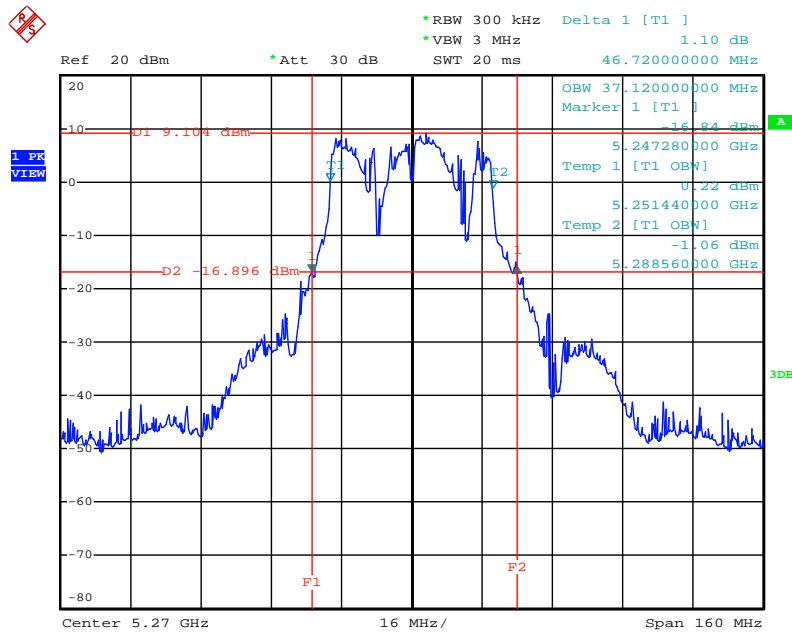
Date: 24.MAY.2013 14:49:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5700 MHz



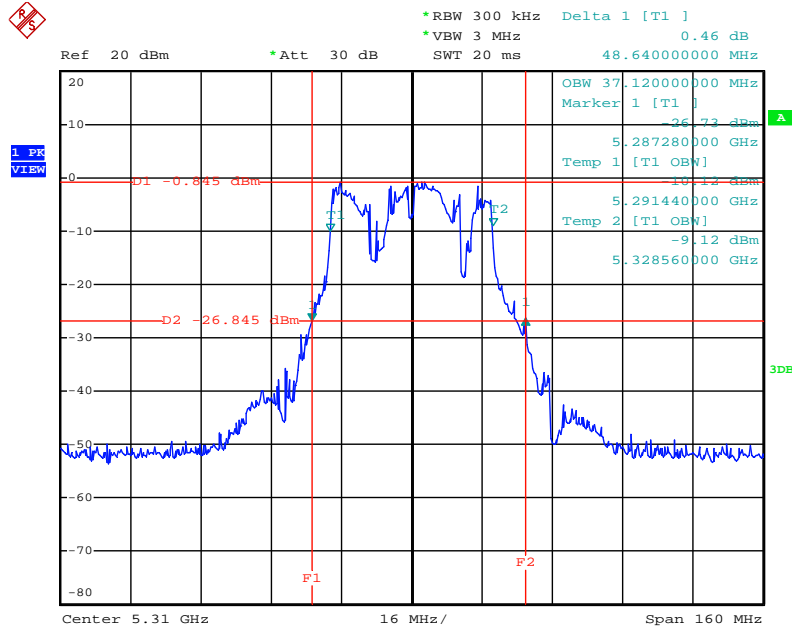
Date: 24.MAY.2013 14:54:05

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz



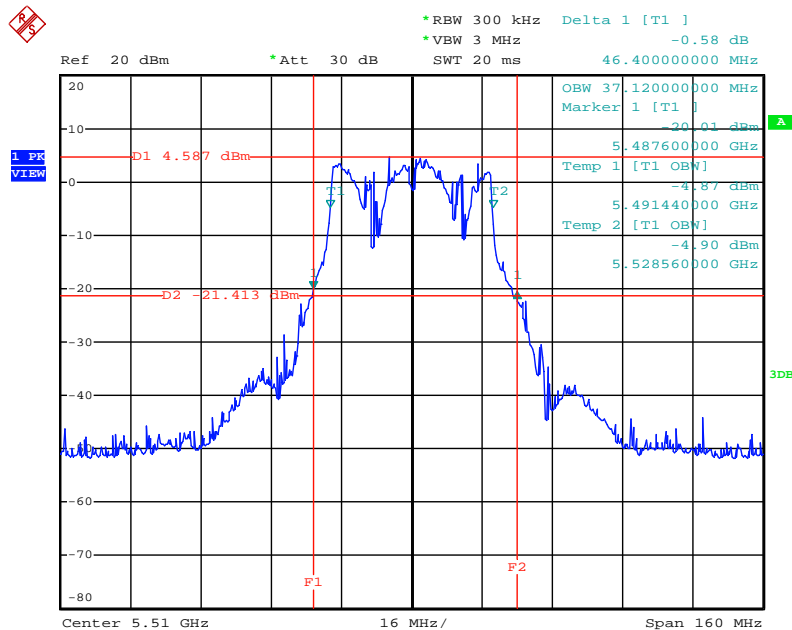
Date: 24.MAY.2013 15:09:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5310 MHz



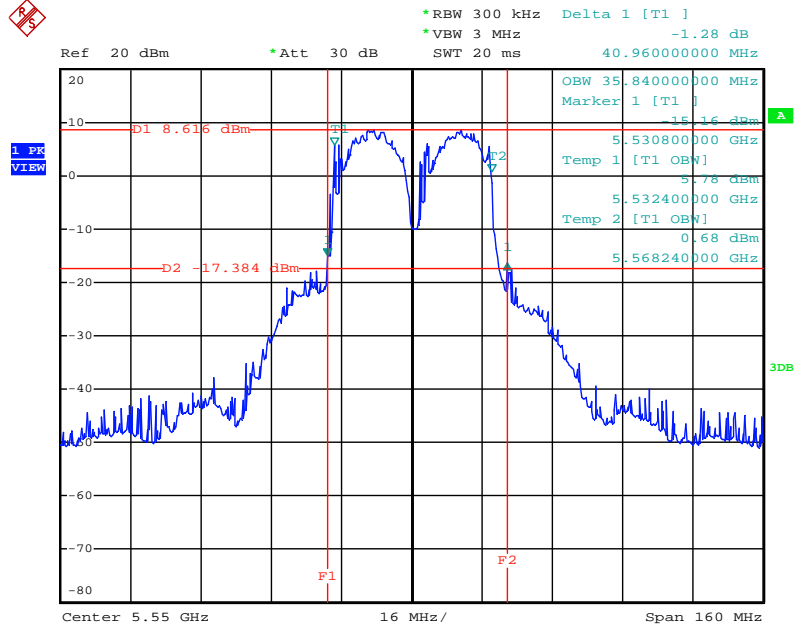
Date: 24.MAY.2013 15:11:54

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



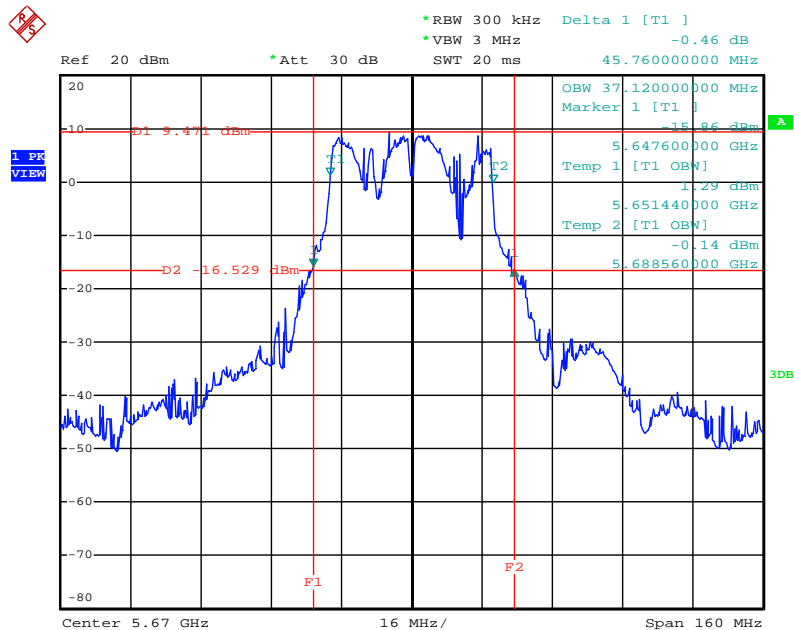
Date: 24.MAY.2013 15:03:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



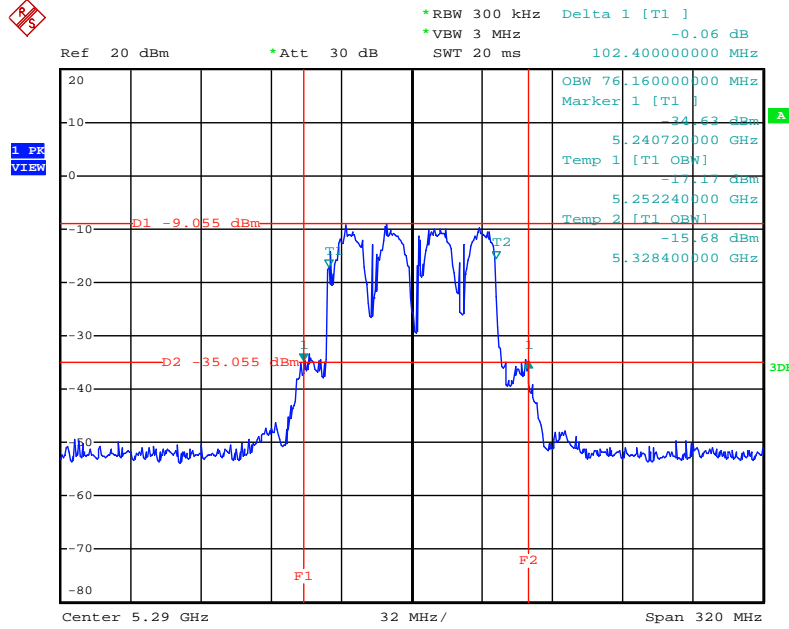
Date: 24.MAY.2013 15:02:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5670 MHz



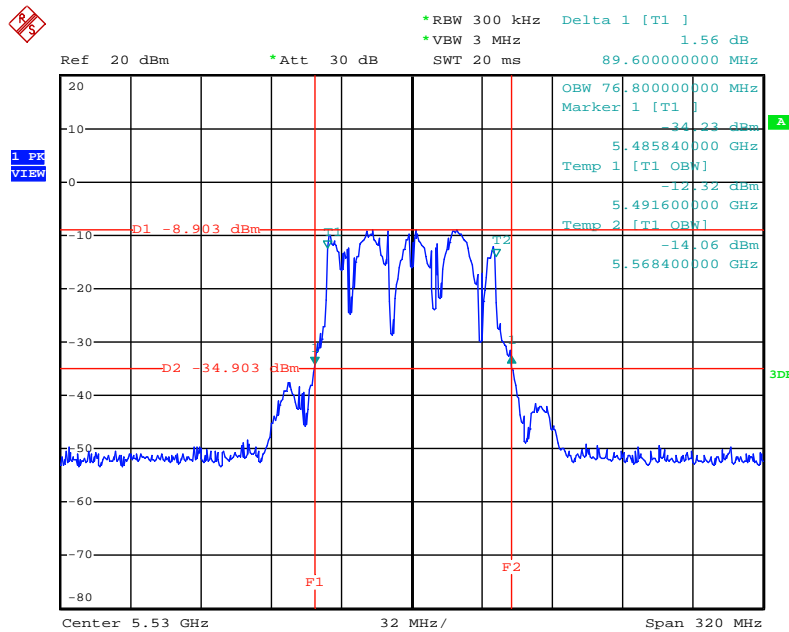
Date: 24.MAY.2013 14:59:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



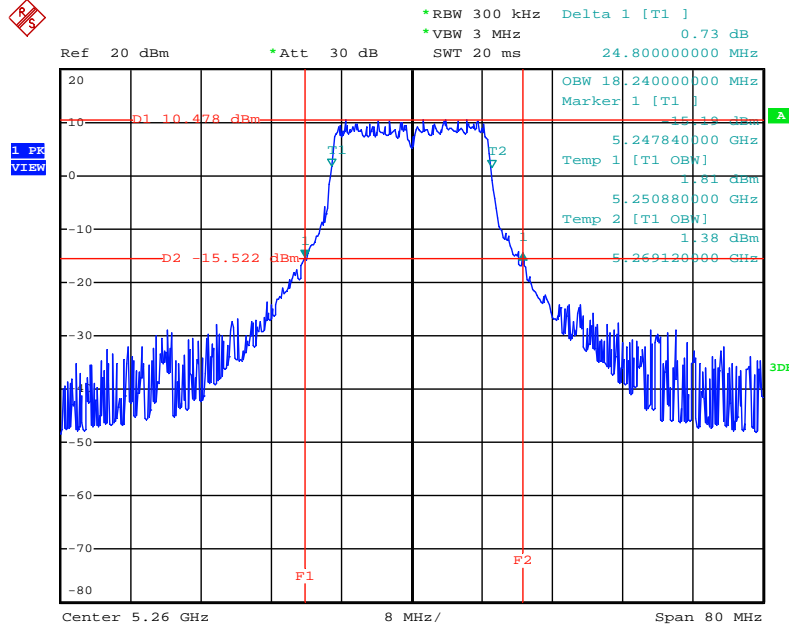
Date: 24.MAY.2013 15:17:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



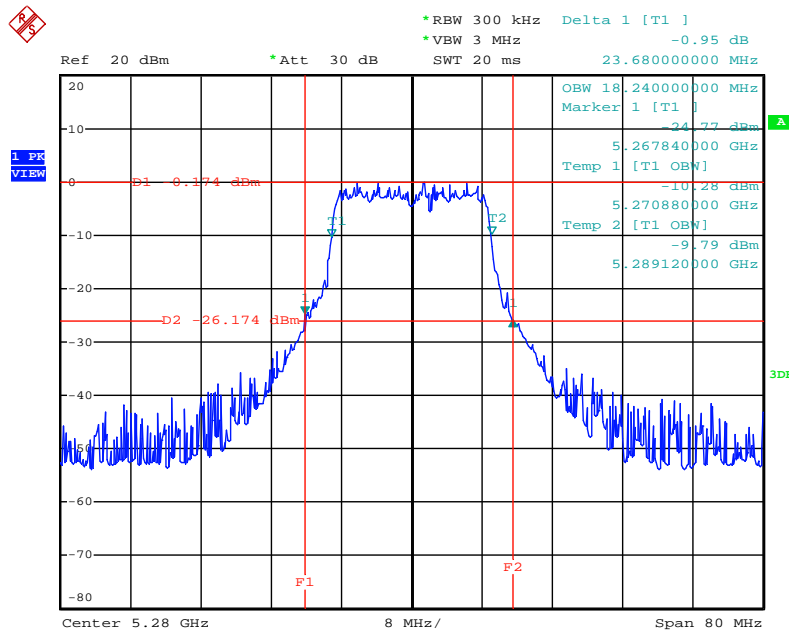
Date: 24.MAY.2013 15:23:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



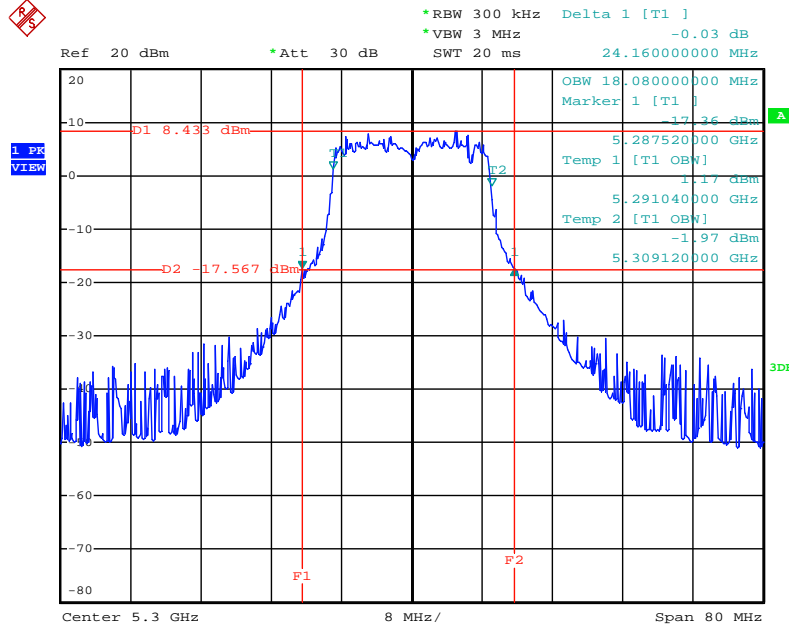
Date: 24.MAY.2013 17:03:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5280 MHz



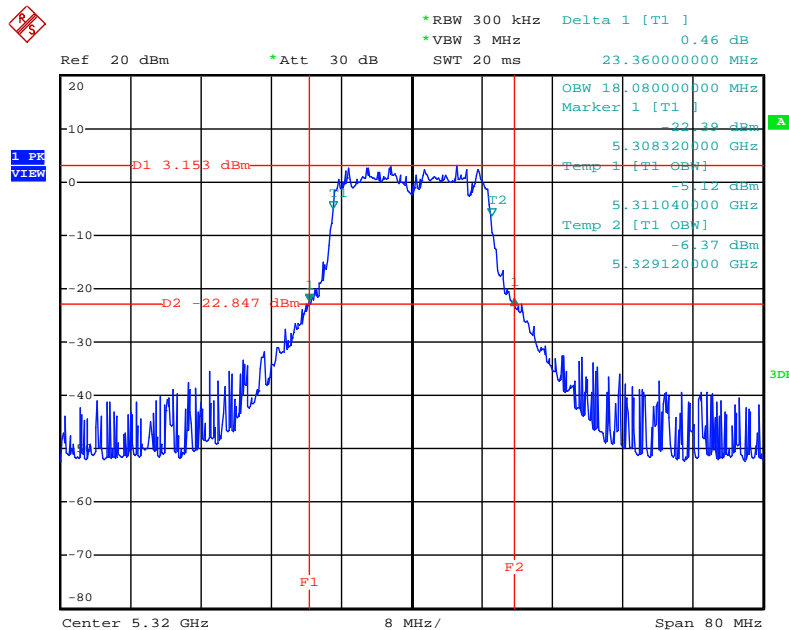
Date: 4.JUN.2013 23:43:57

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5300 MHz



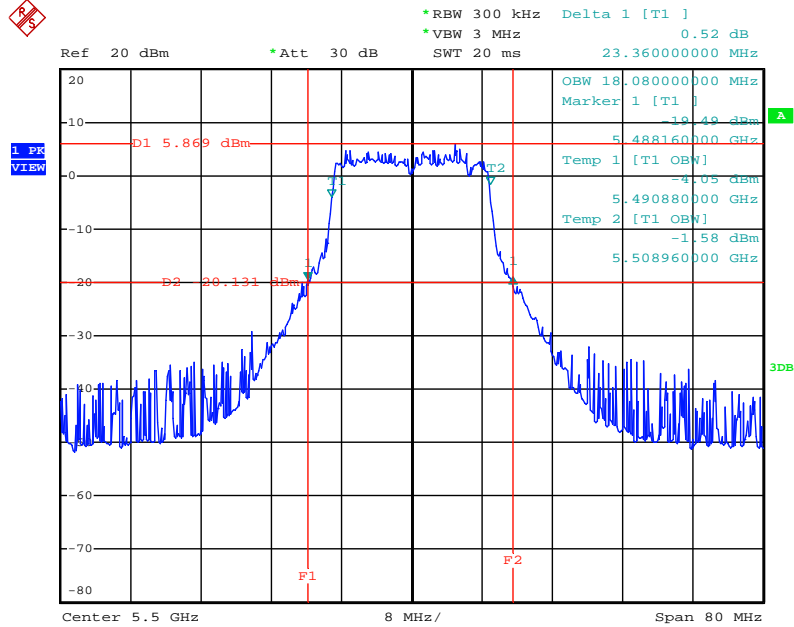
Date: 24.MAY.2013 17:07:59

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5320 MHz



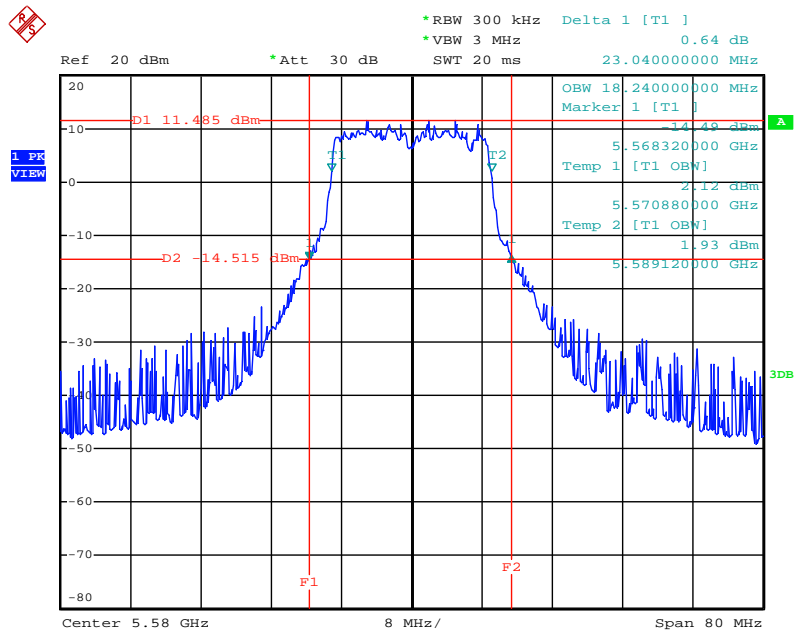
Date: 24.MAY.2013 17:12:48

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5500 MHz



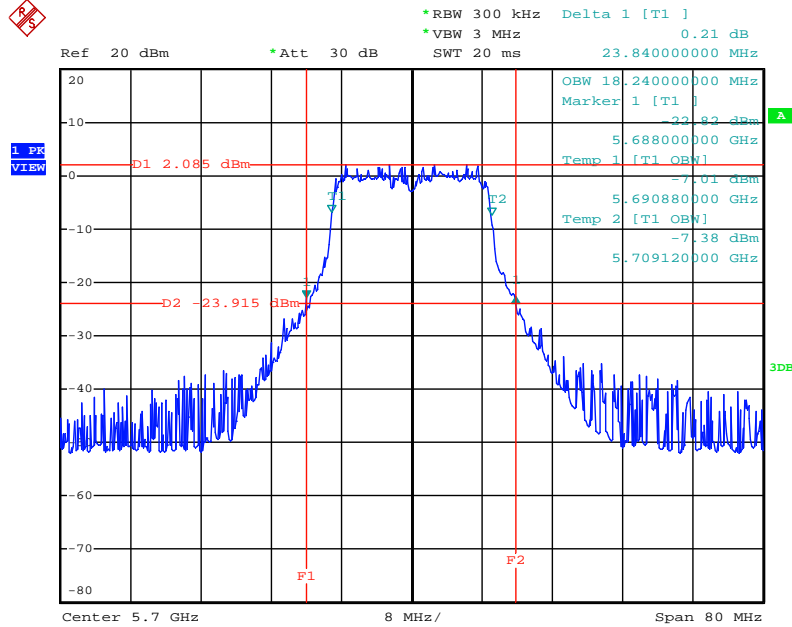
Date: 24.MAY.2013 16:53:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



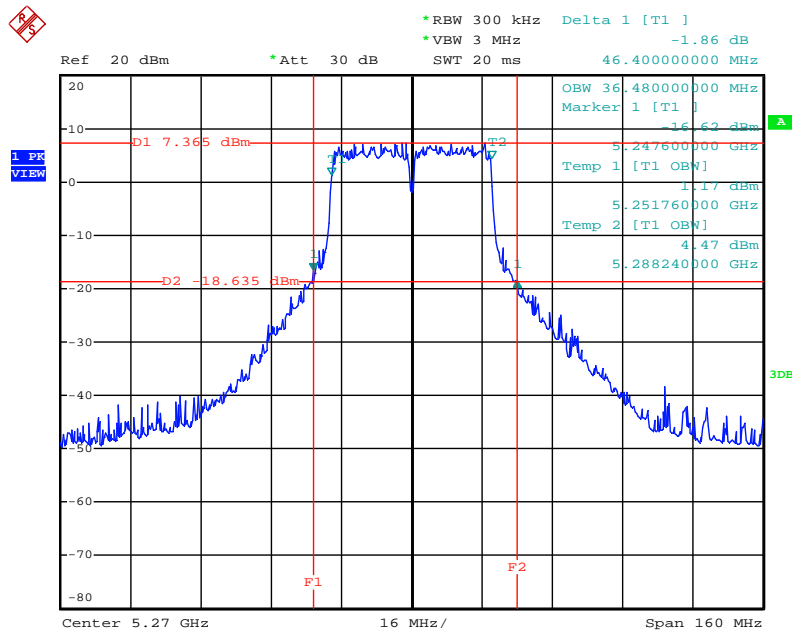
Date: 24.MAY.2013 16:57:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5700 MHz



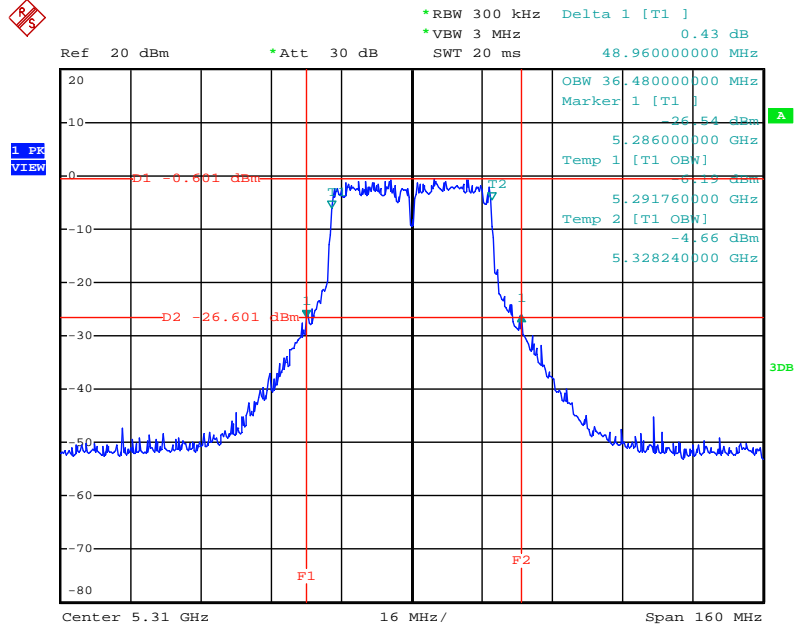
Date: 24.MAY.2013 17:00:19

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5270 MHz



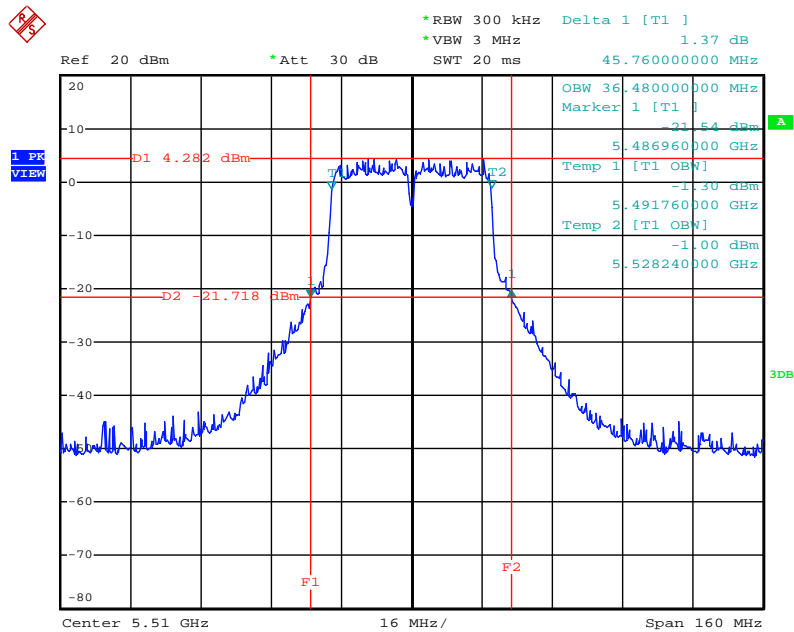
Date: 24.MAY.2013 15:48:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5310 MHz



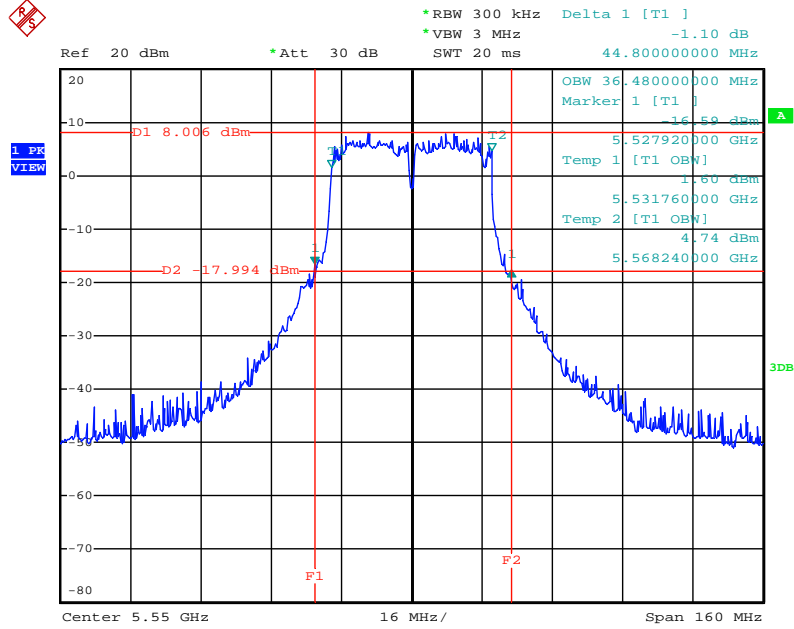
Date: 24.MAY.2013 15:51:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5510 MHz



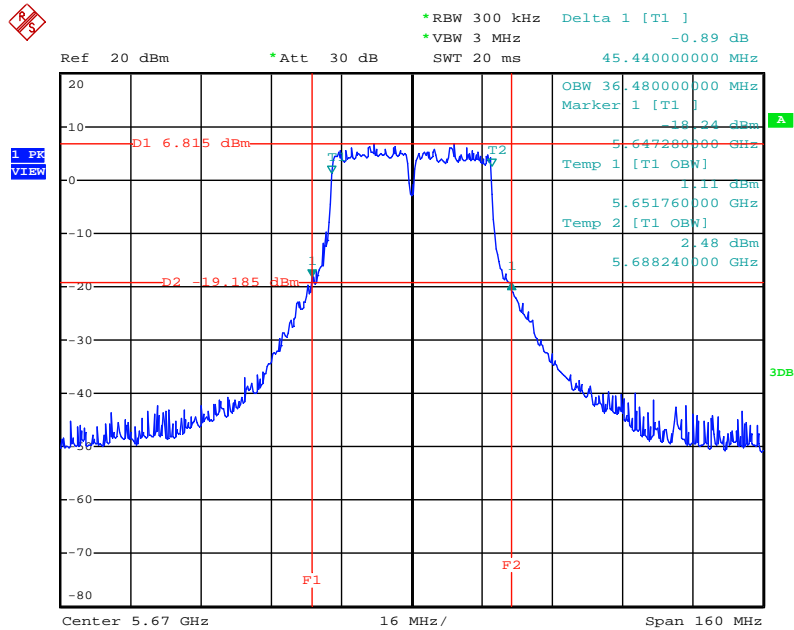
Date: 24.MAY.2013 15:54:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



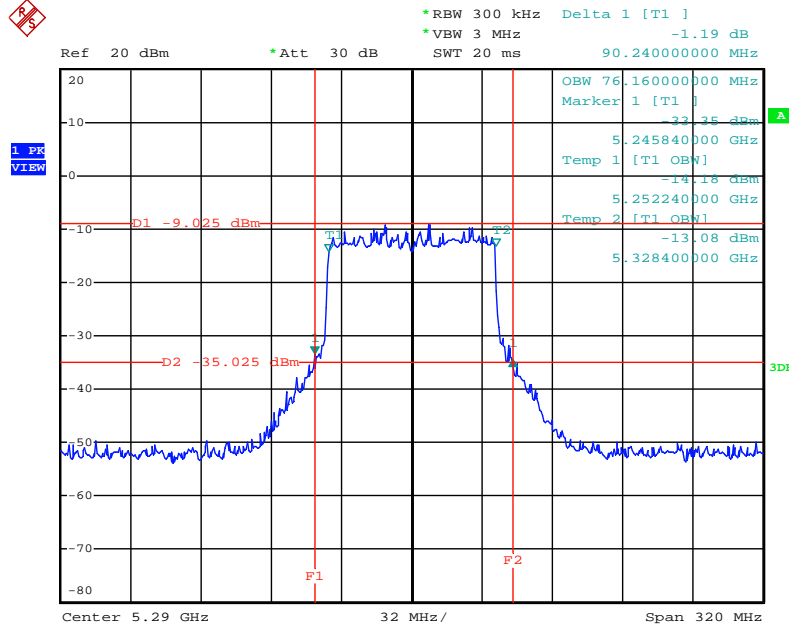
Date: 24.MAY.2013 15:56:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5670 MHz



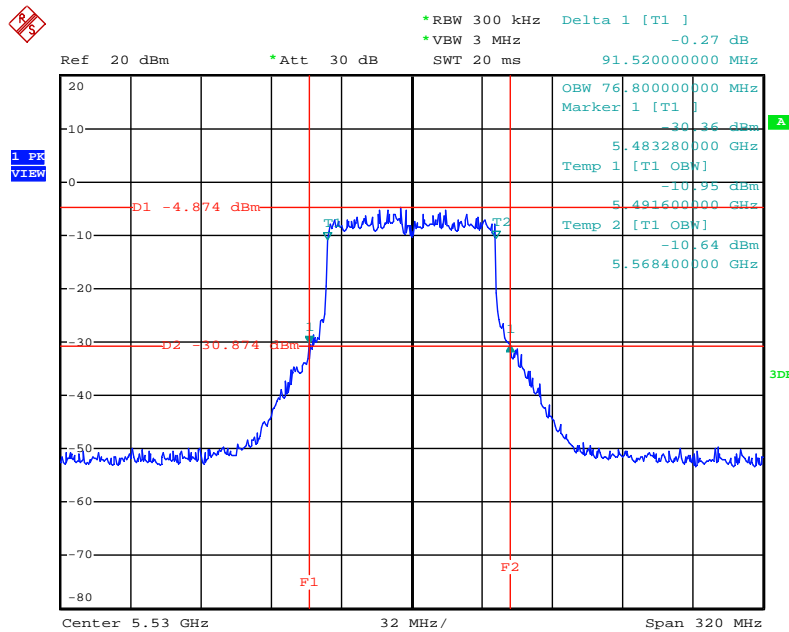
Date: 24.MAY.2013 15:57:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Date: 24.MAY.2013 15:43:53

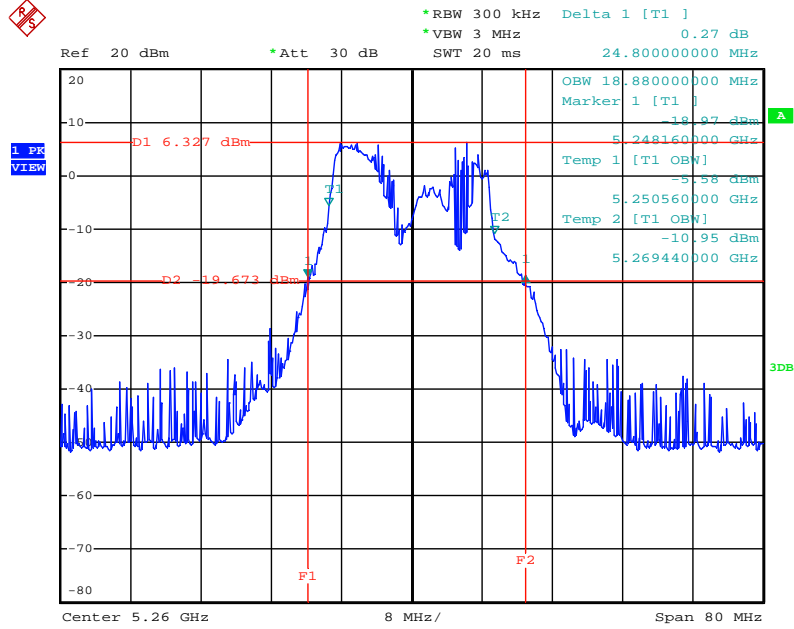
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz



Date: 24.MAY.2013 15:41:52

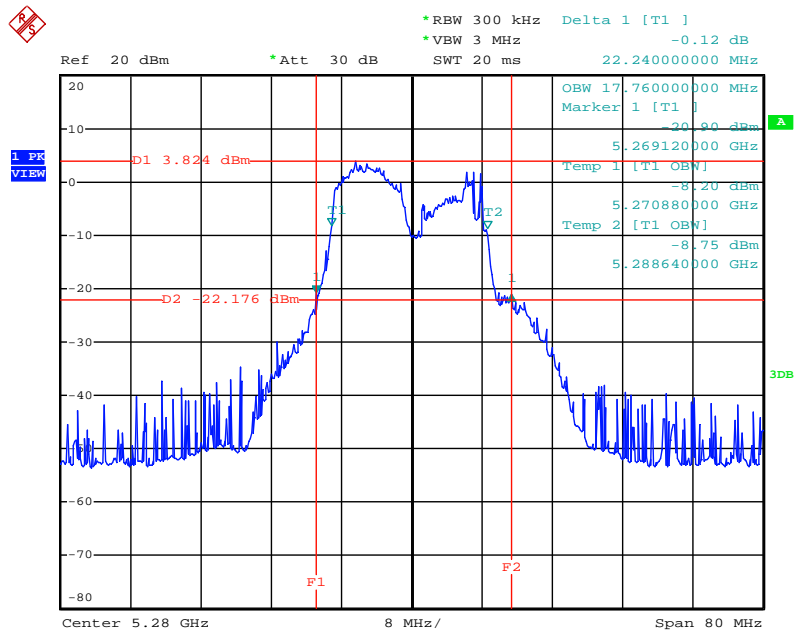
3TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



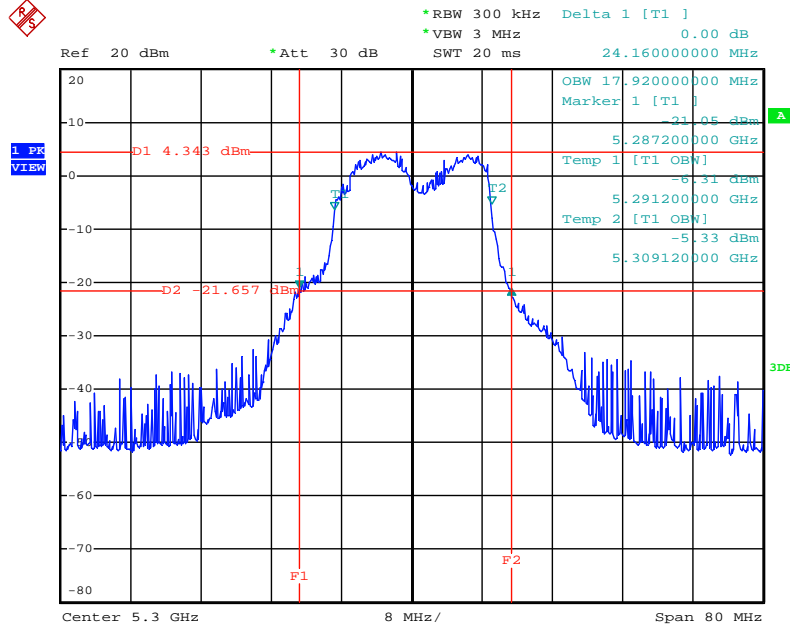
Date: 24.MAY.2013 20:00:57

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



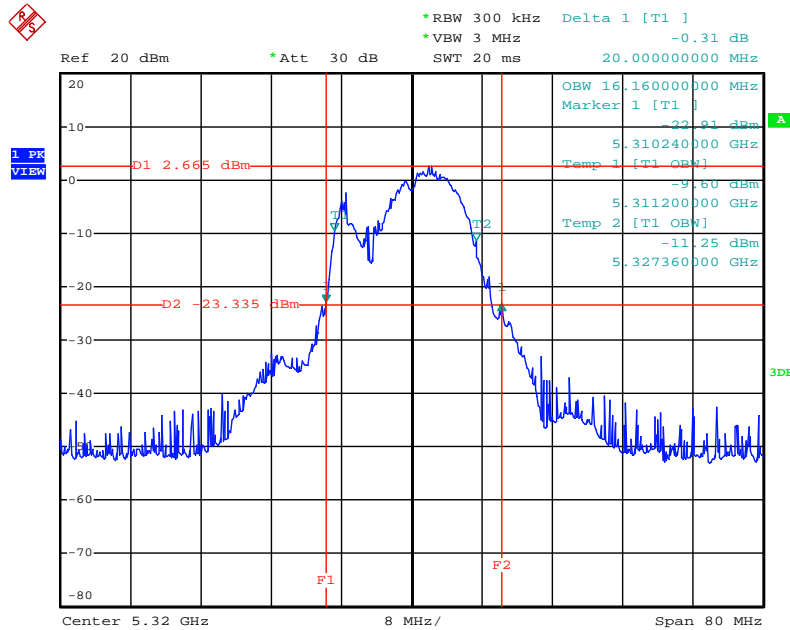
Date: 5.JUN.2013 01:56:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



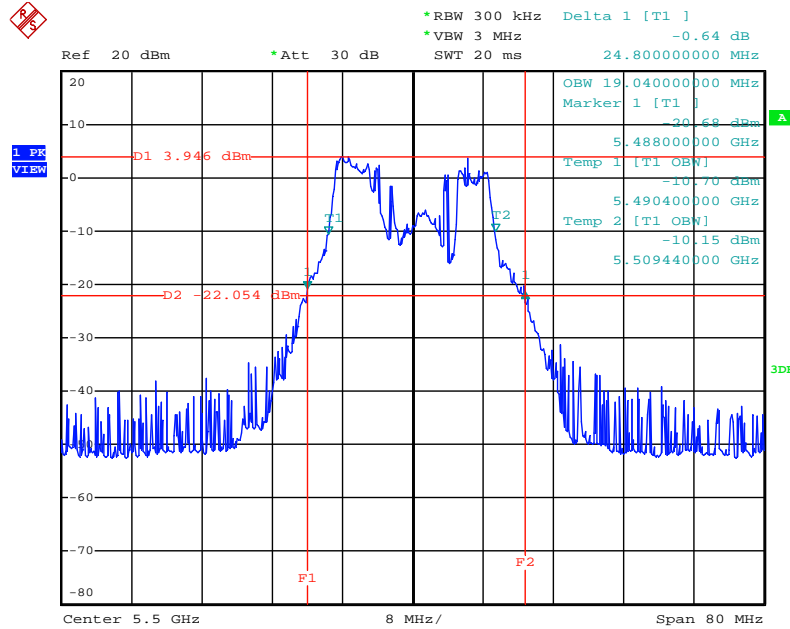
Date: 24.MAY.2013 20:05:36

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



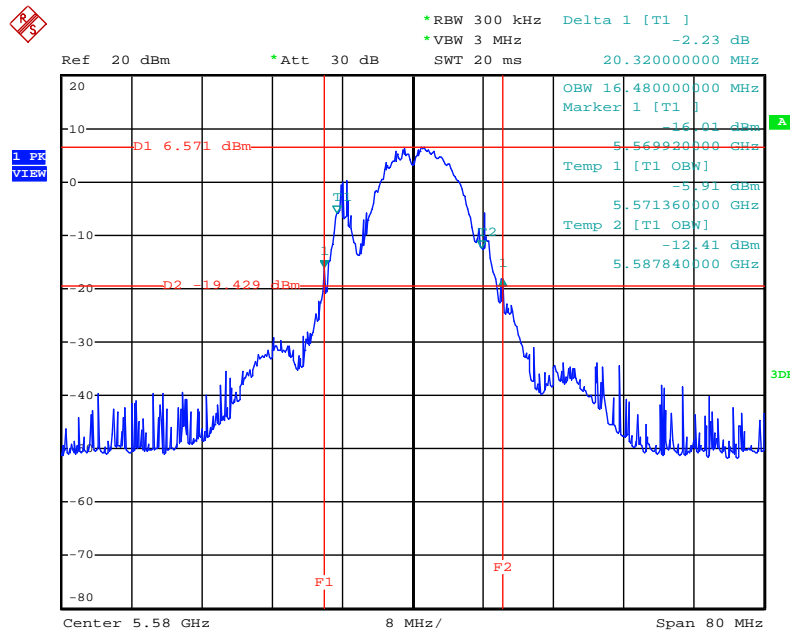
Date: 24.MAY.2013 20:08:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



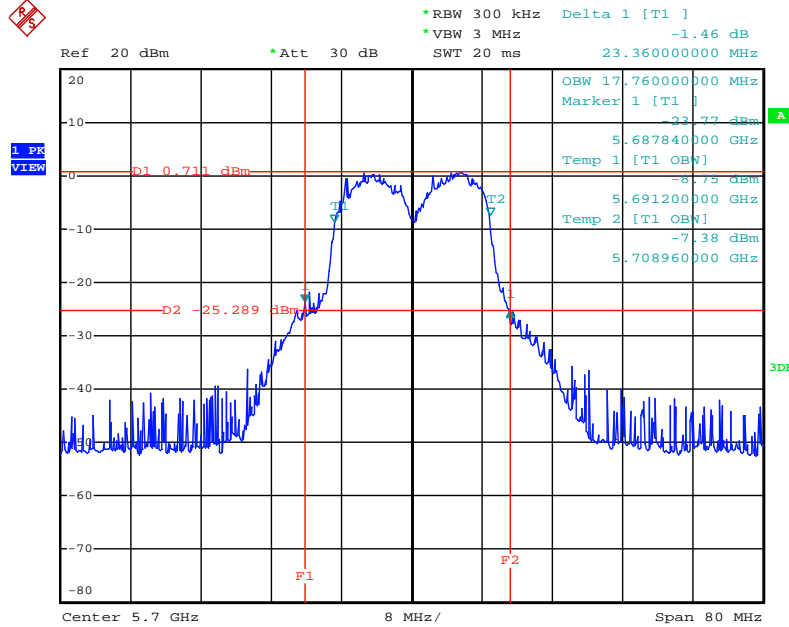
Date: 24.MAY.2013 20:14:52

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



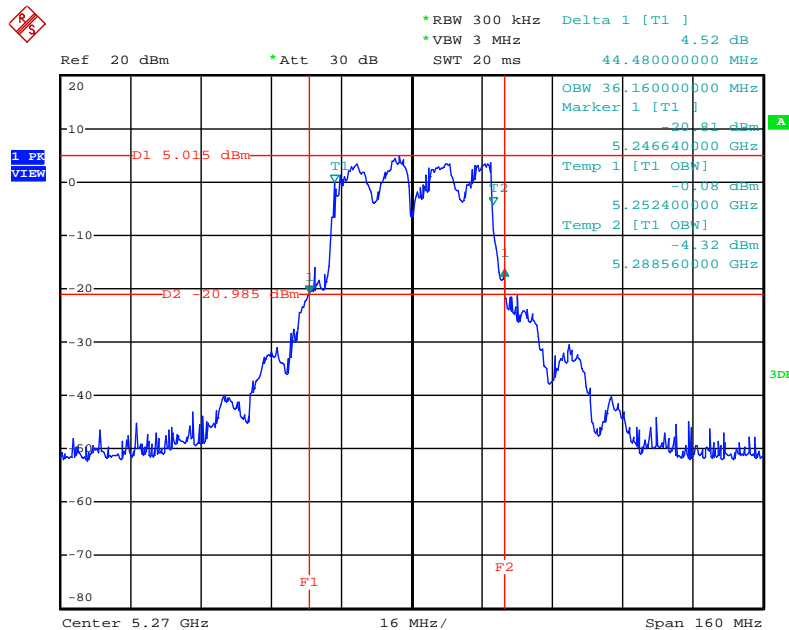
Date: 24.MAY.2013 20:17:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



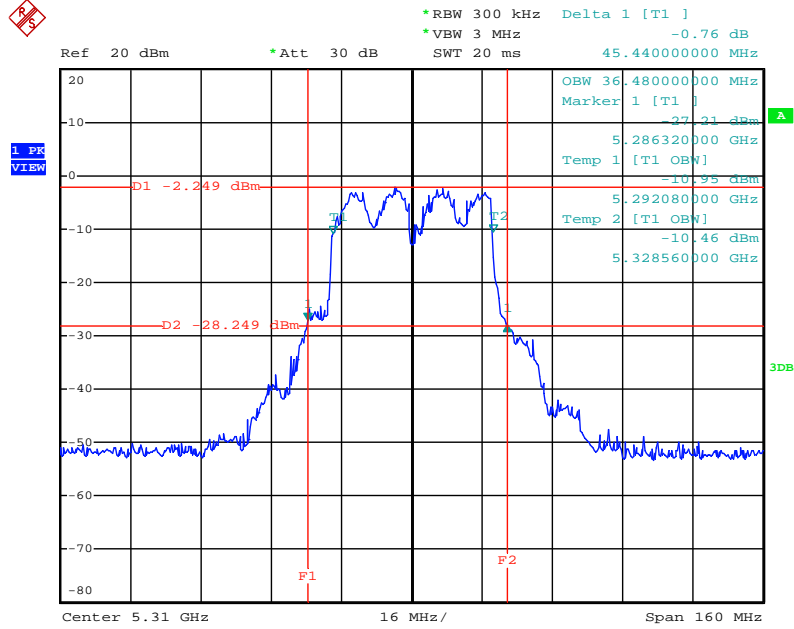
Date: 24.MAY.2013 20:27:51

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



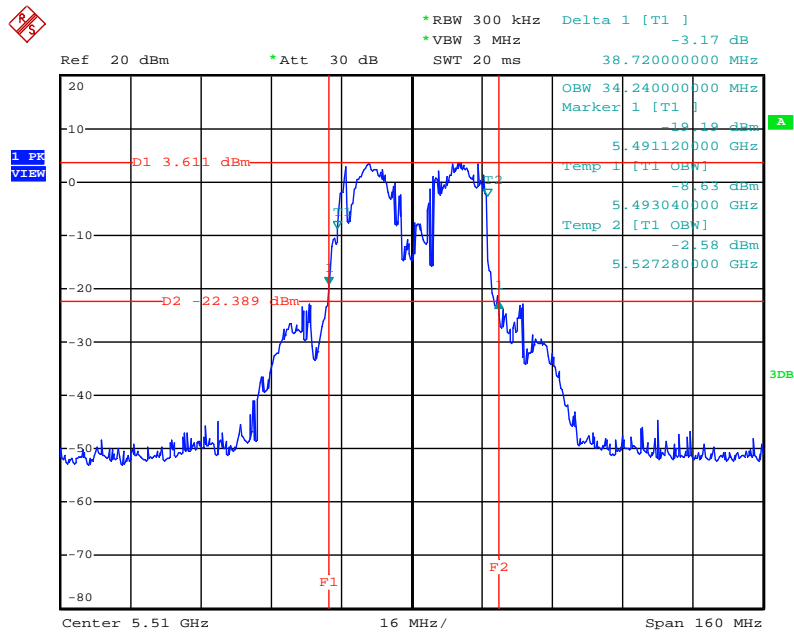
Date: 24.MAY.2013 20:30:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



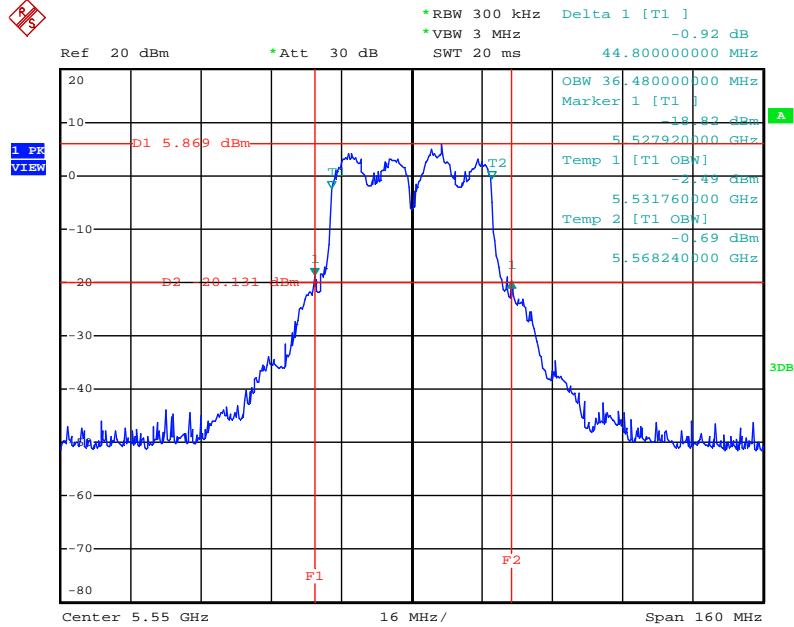
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



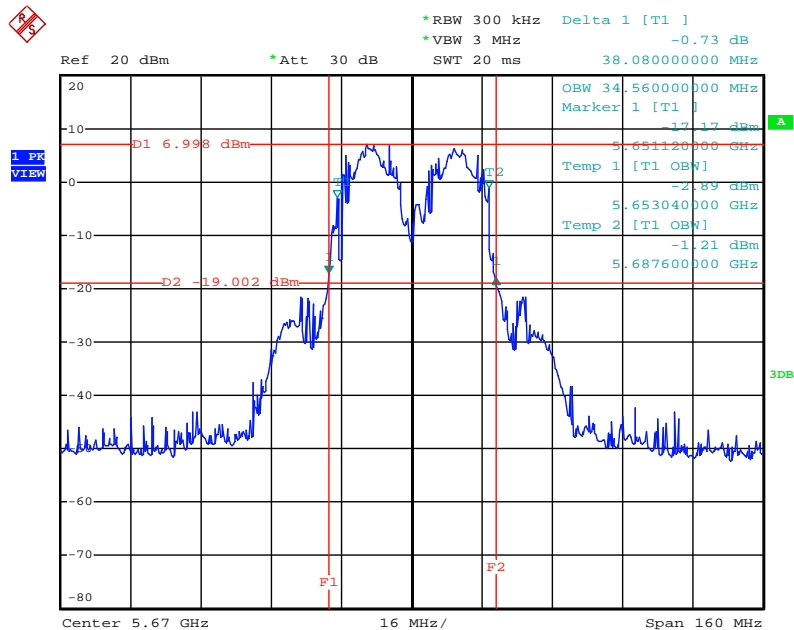
Date: 24.MAY.2013 20:36:40

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



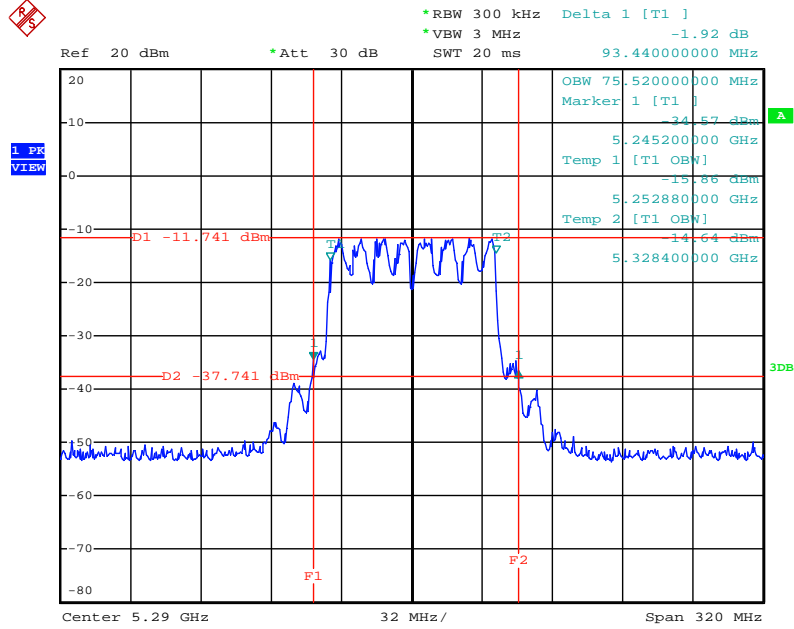
Date: 24.MAY.2013 20:40:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



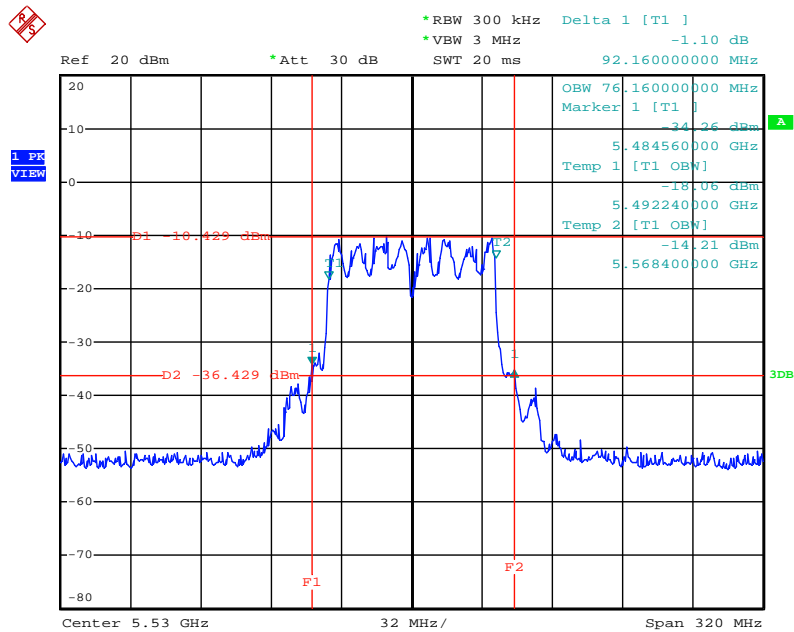
Date: 24.MAY.2013 20:40:48

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



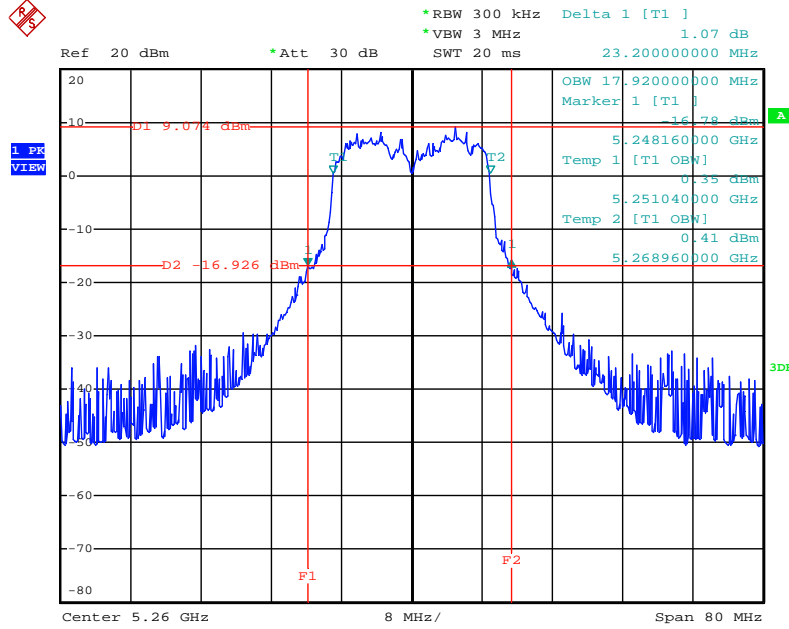
Date: 24.MAY.2013 20:44:01

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



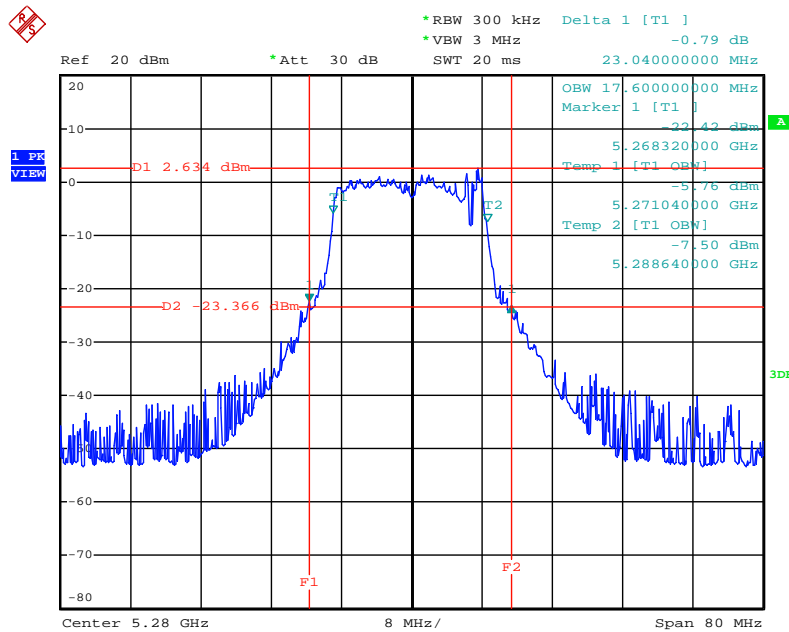
Date: 24.MAY.2013 20:48:05

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



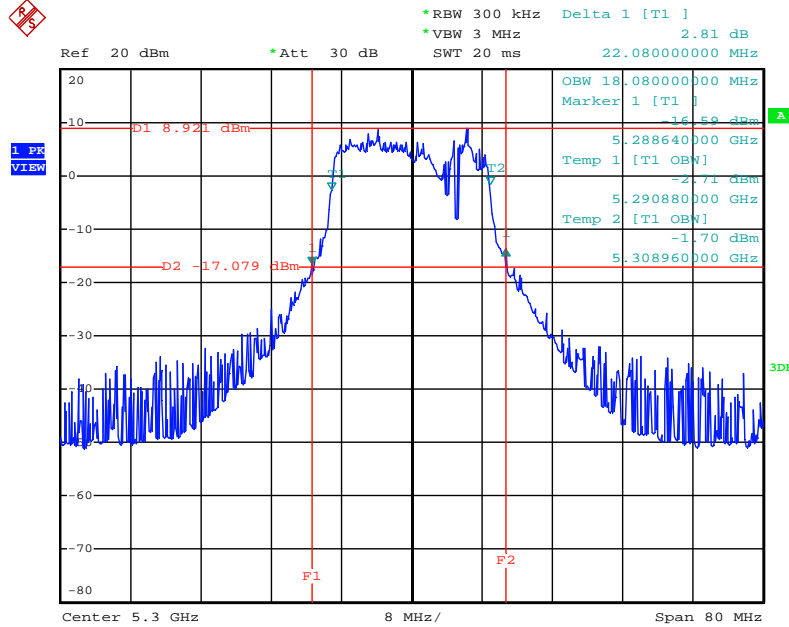
Date: 24.MAY.2013 21:18:00

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



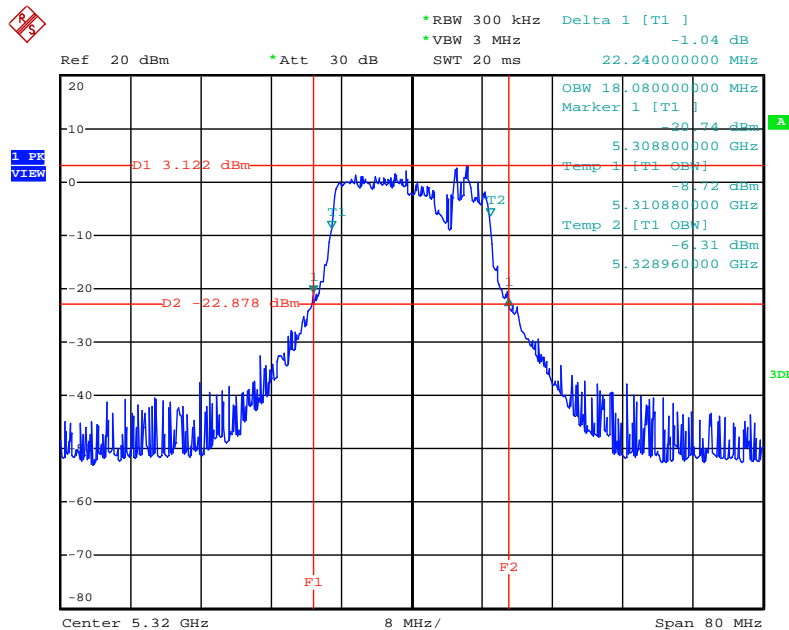
Date: 5.JUN.2013 01:57:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



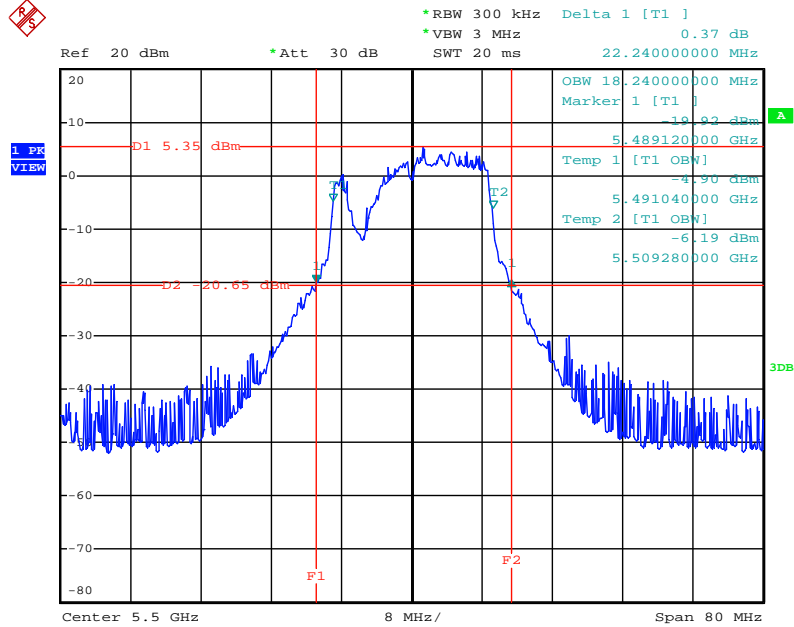
Date: 24.MAY.2013 21:20:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHZ



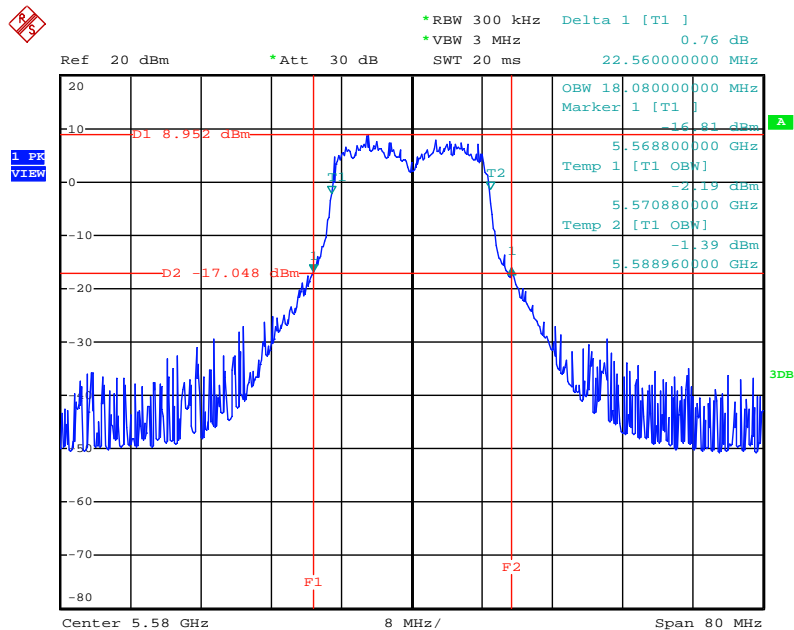
Date: 24.MAY.2013 21:24:03

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



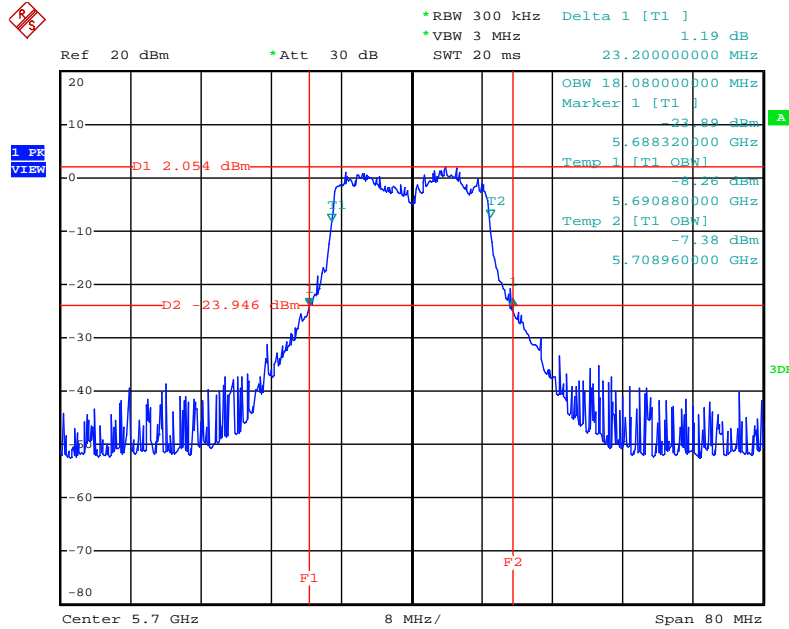
Date: 24.MAY.2013 21:27:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



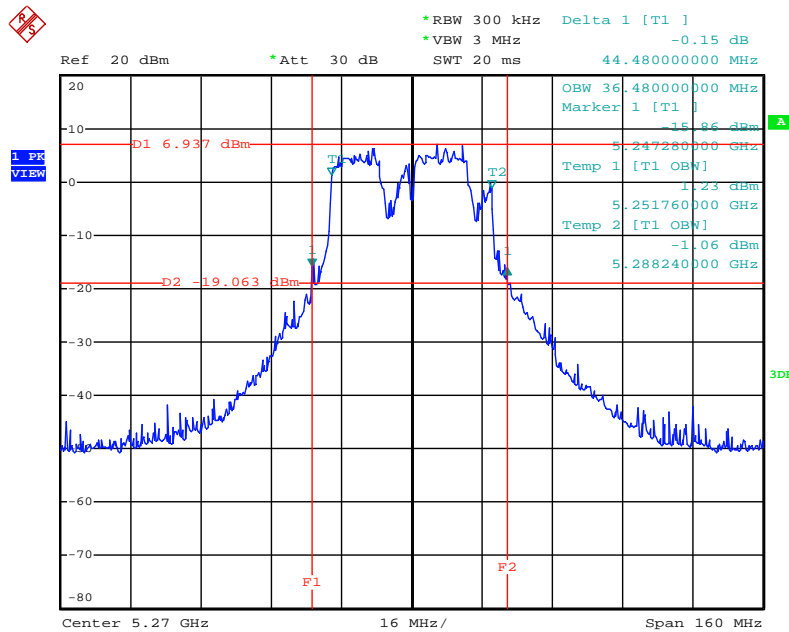
Date: 24.MAY.2013 21:29:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



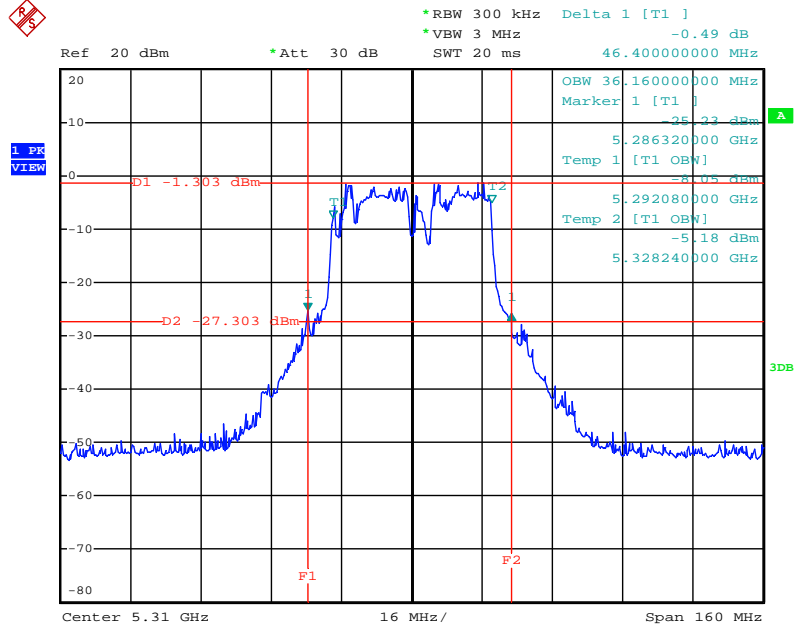
Date: 24.MAY.2013 21:30:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



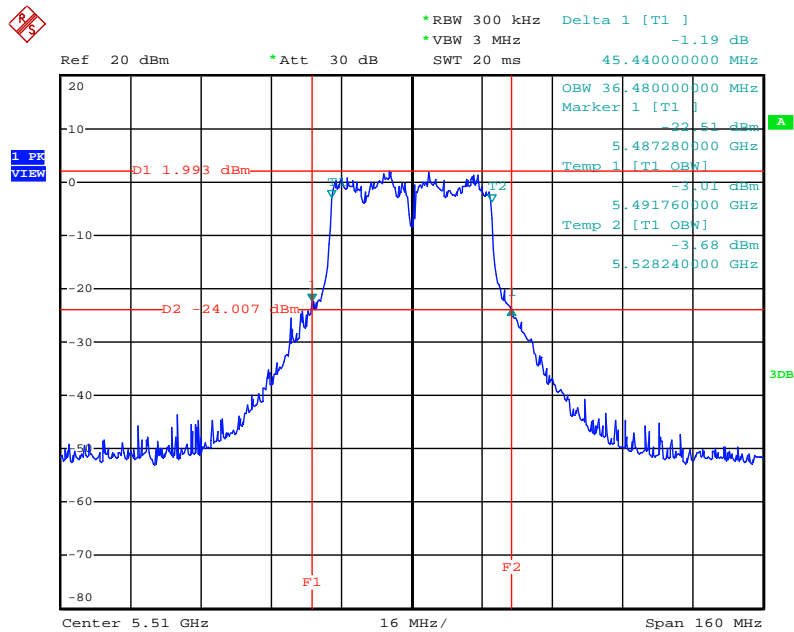
Date: 24.MAY.2013 21:33:28

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



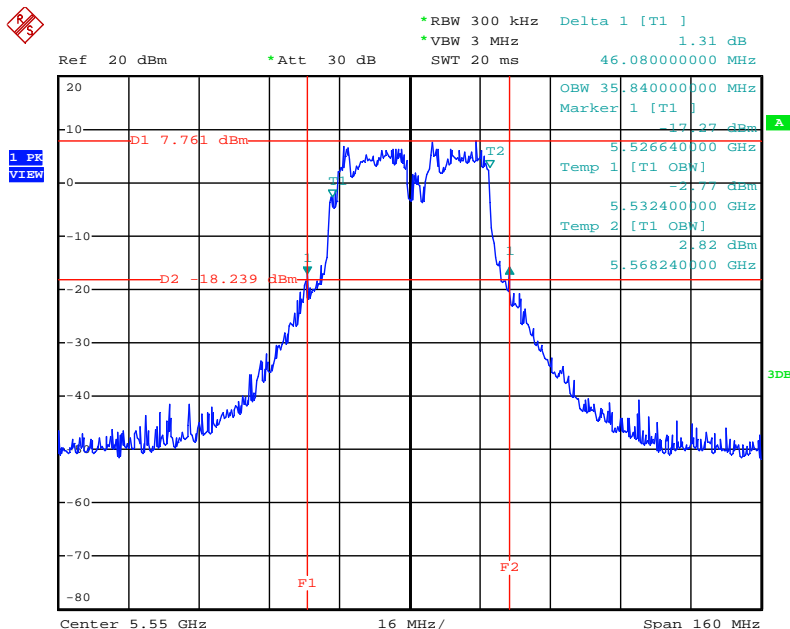
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



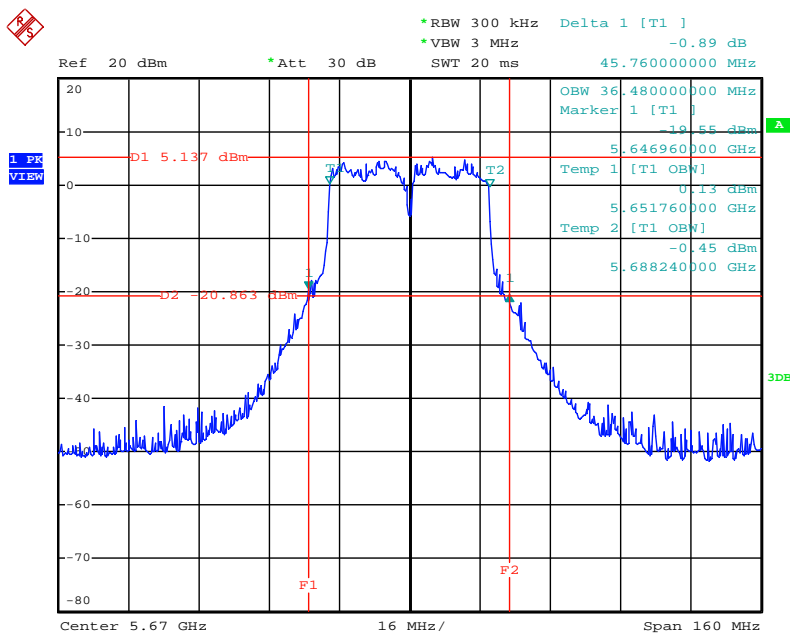
Date: 24.MAY.2013 21:38:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



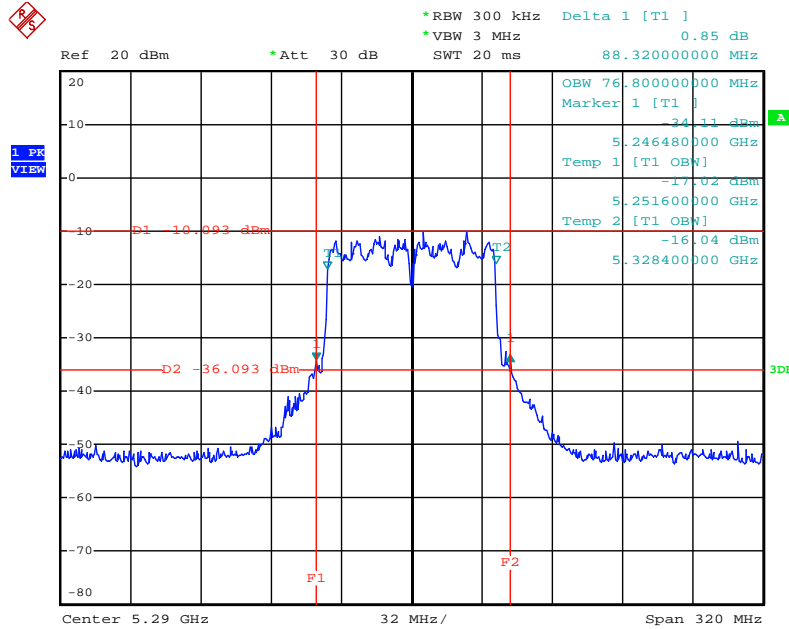
Date: 24.MAY.2013 21:41:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



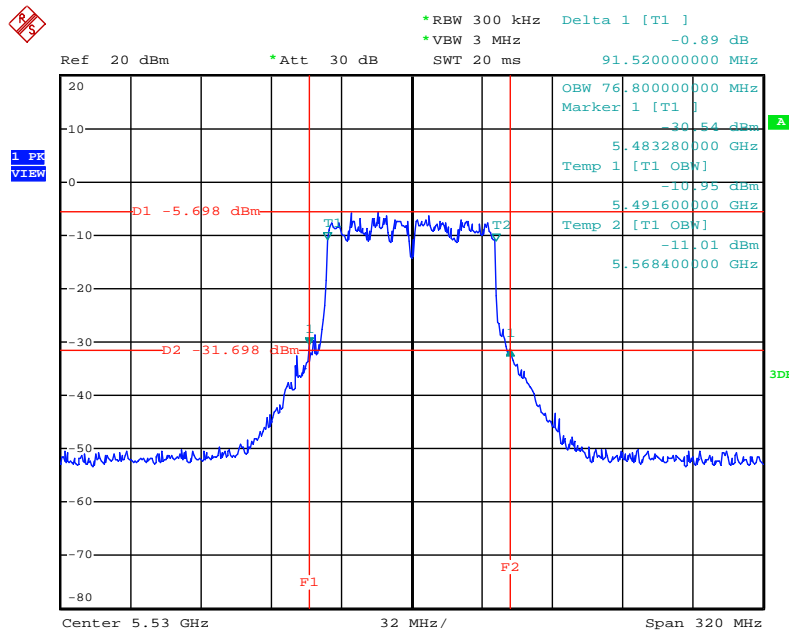
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26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



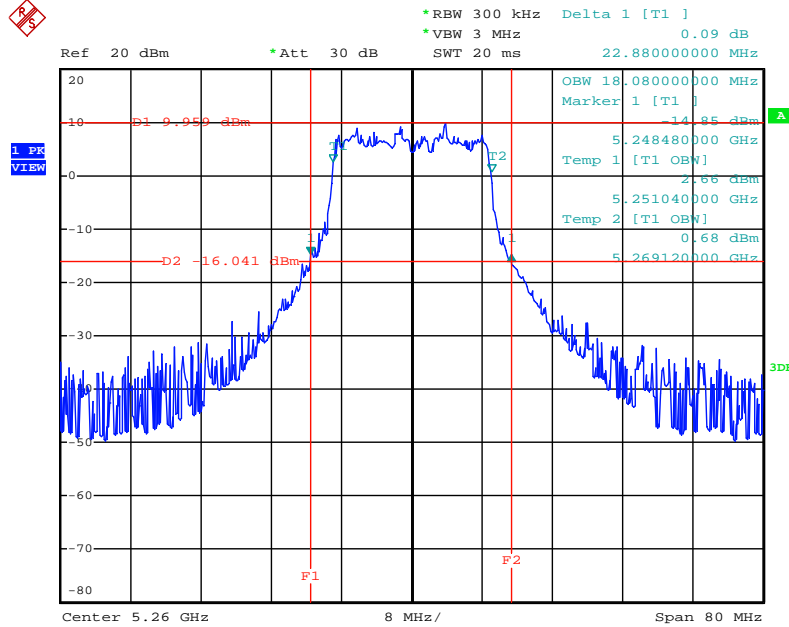
Date: 24.MAY.2013 21:48:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



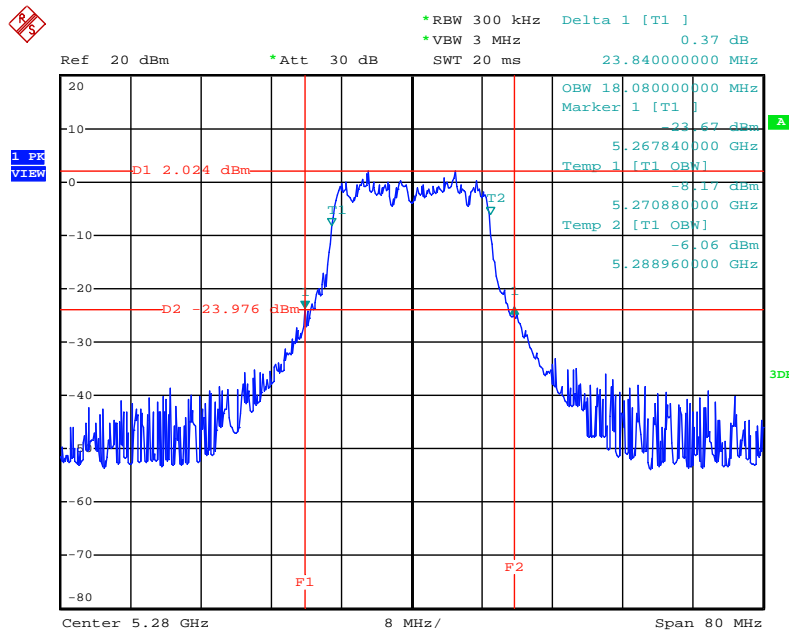
Date: 24.MAY.2013 21:46:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



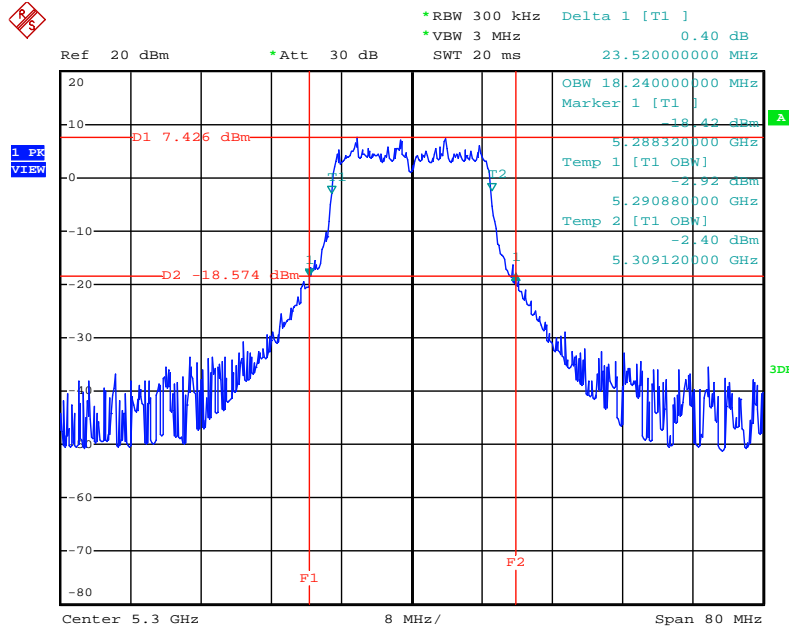
Date: 24.MAY.2013 22:07:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5280 MHz



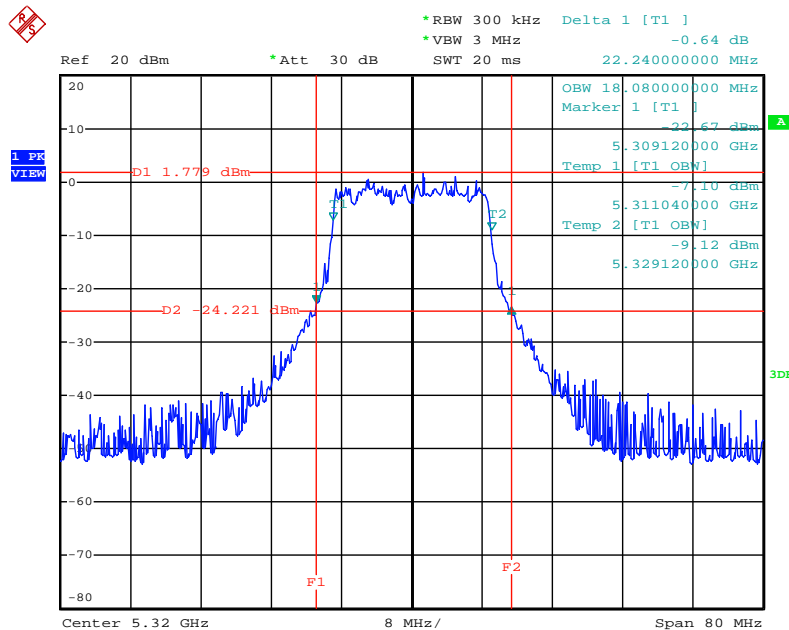
Date: 5.JUN.2013 01:58:24

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



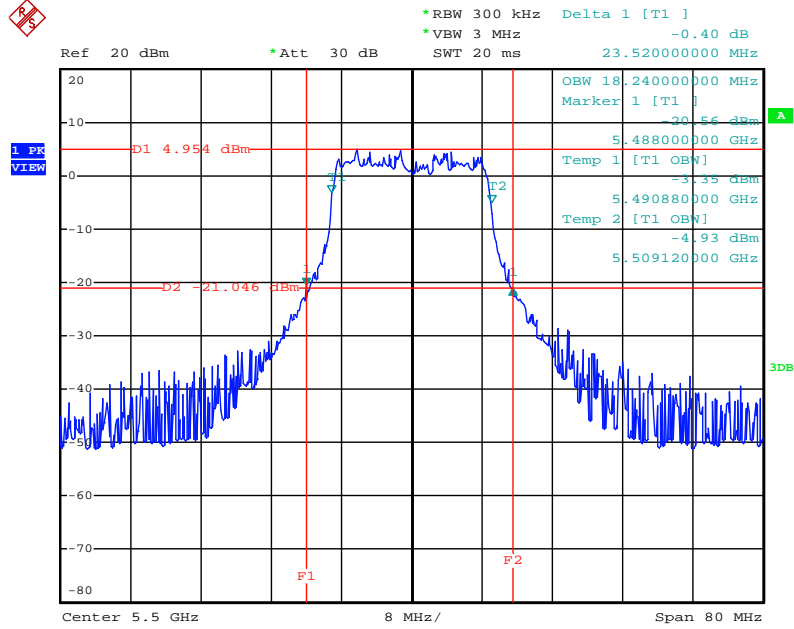
Date: 24.MAY.2013 22:10:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



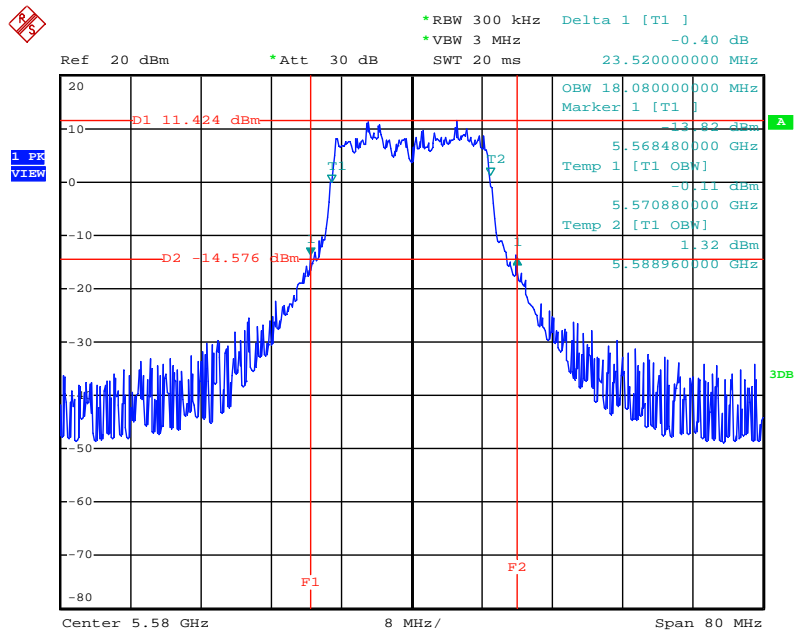
Date: 24.MAY.2013 22:17:50

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



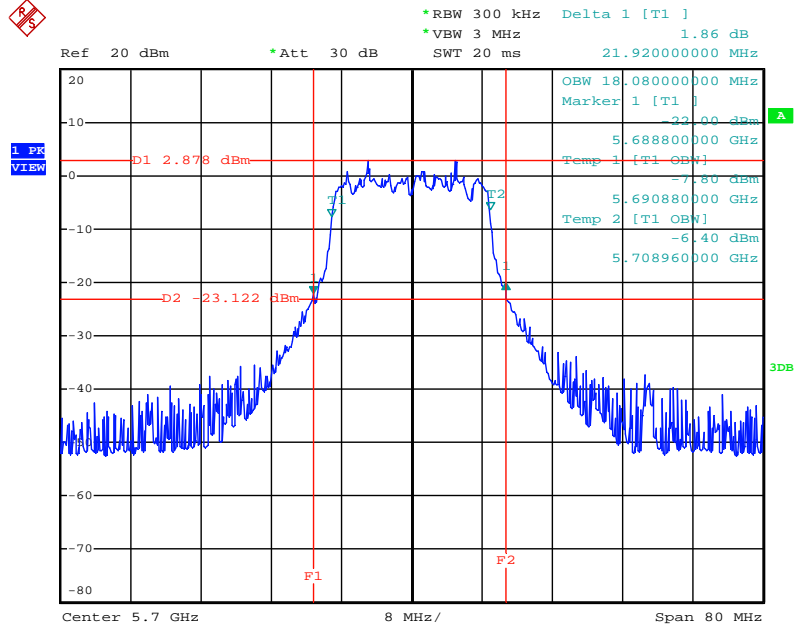
Date: 24.MAY.2013 22:20:59

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



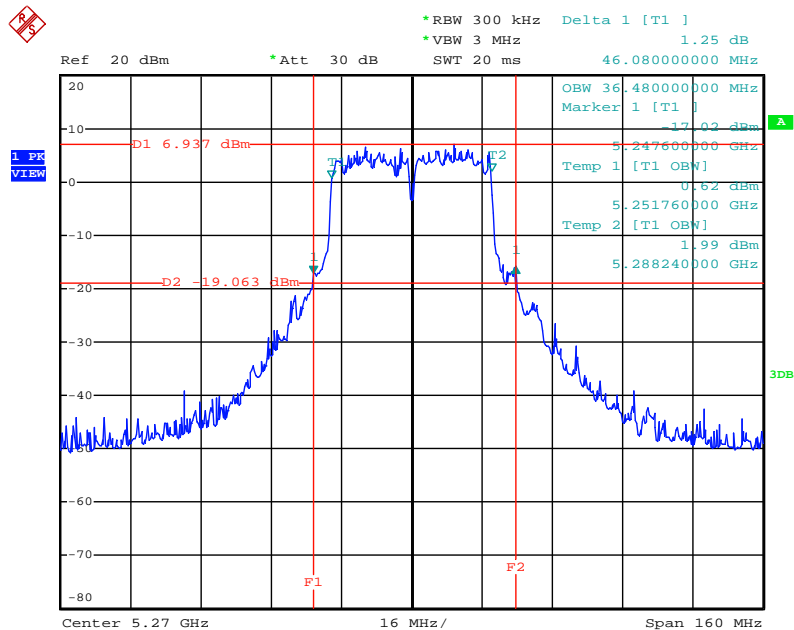
Date: 24.MAY.2013 22:23:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



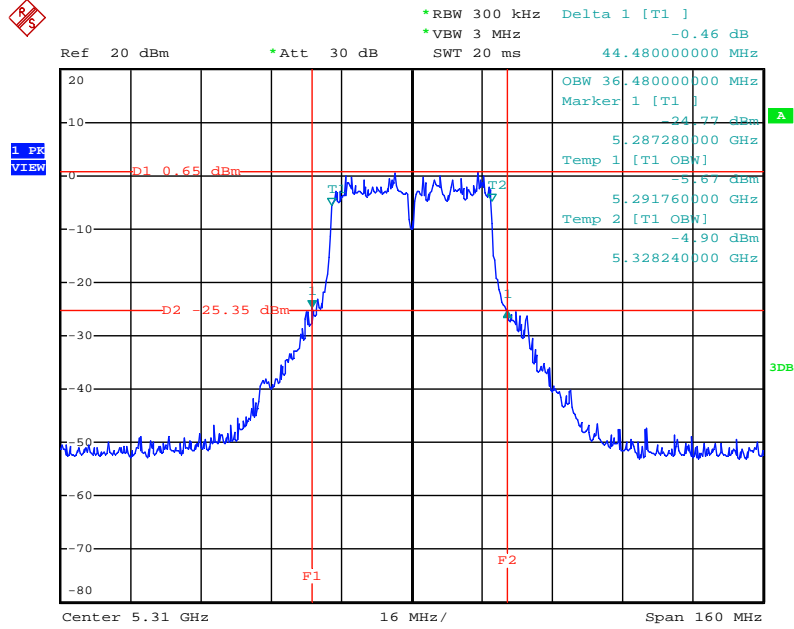
Date: 24.MAY.2013 22:24:28

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



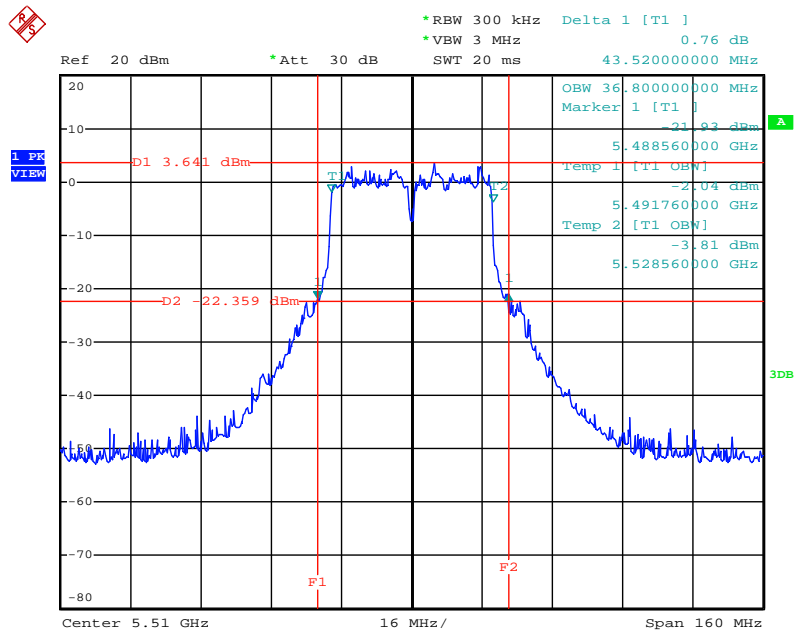
Date: 24.MAY.2013 22:33:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



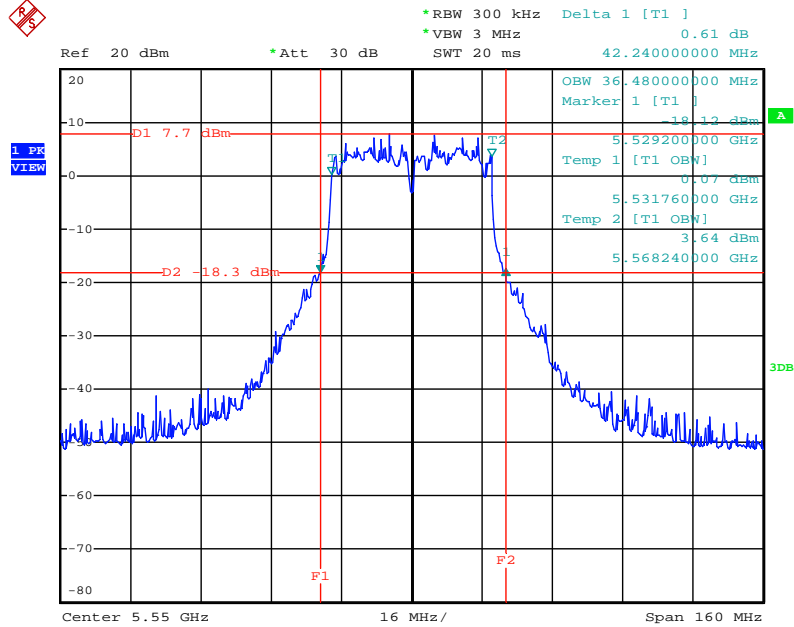
Date: 24.MAY.2013 22:36:24

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



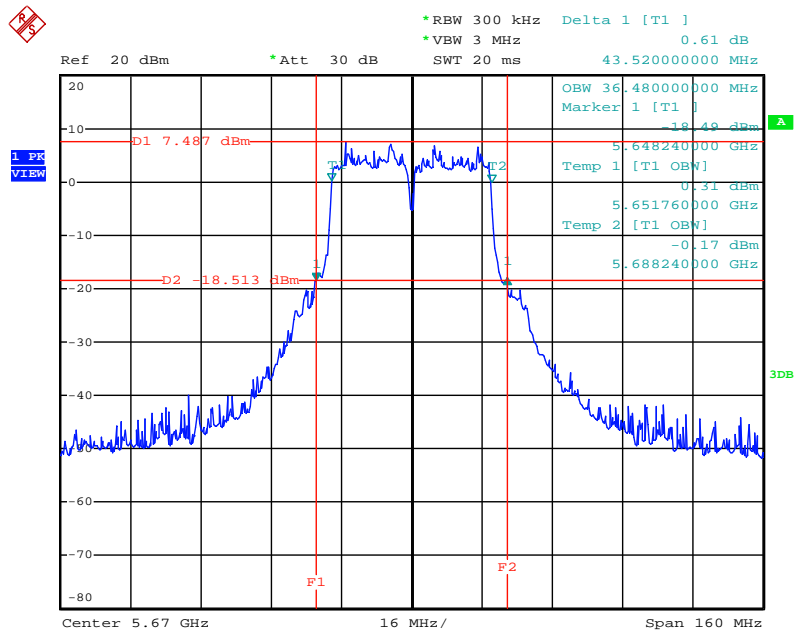
Date: 24.MAY.2013 22:31:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



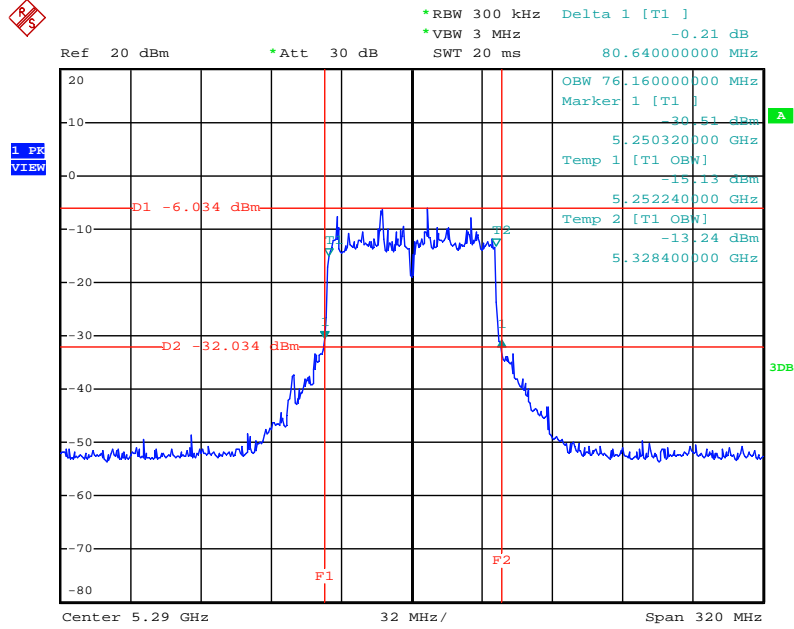
Date: 24.MAY.2013 22:28:42

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



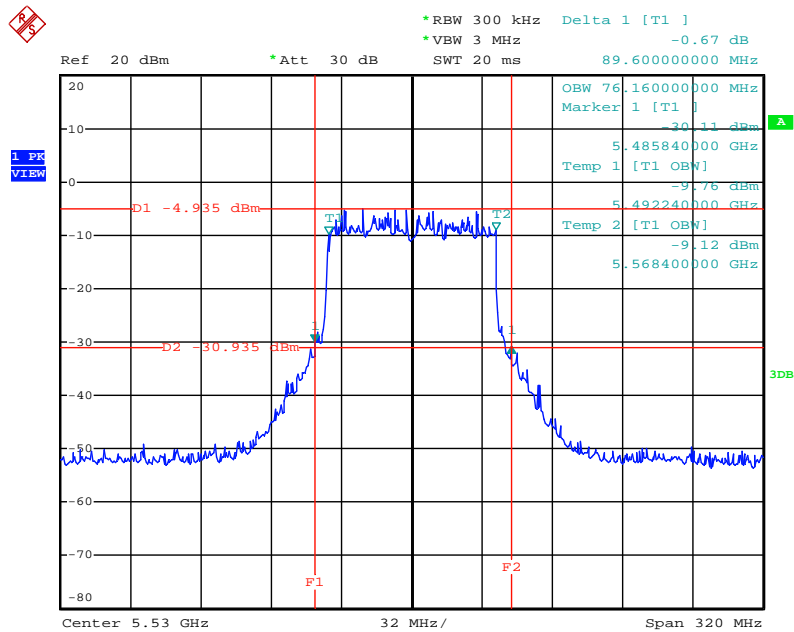
Date: 24.MAY.2013 22:28:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Date: 24.MAY.2013 22:39:24

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz

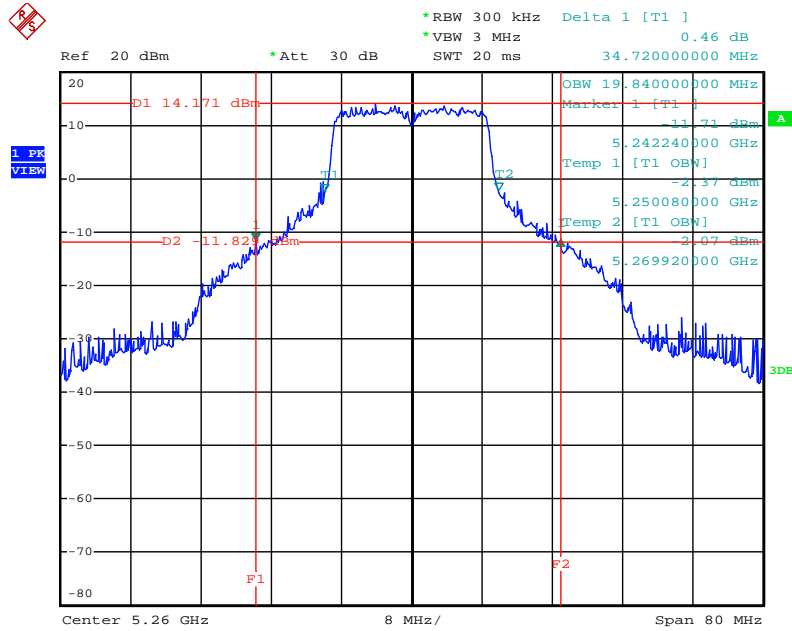


Date: 24.MAY.2013 22:44:06

Mode 4 (Ant.5 Patch antenna / 2.3dBi)

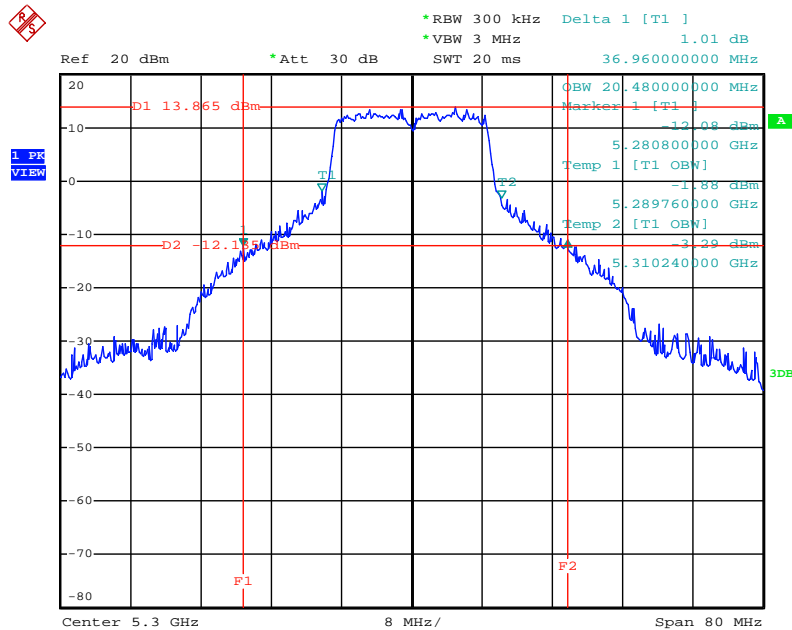
1TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



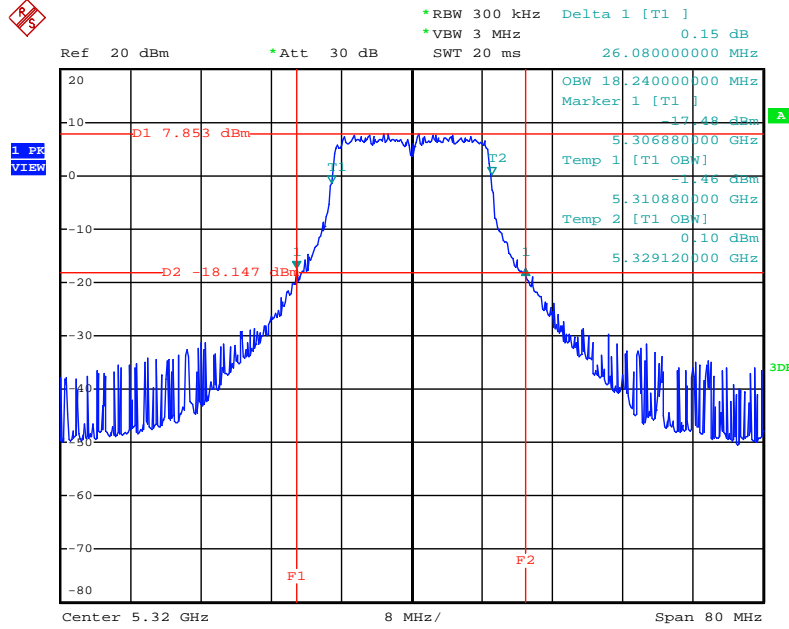
Date: 24.MAY.2013 12:56:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHz



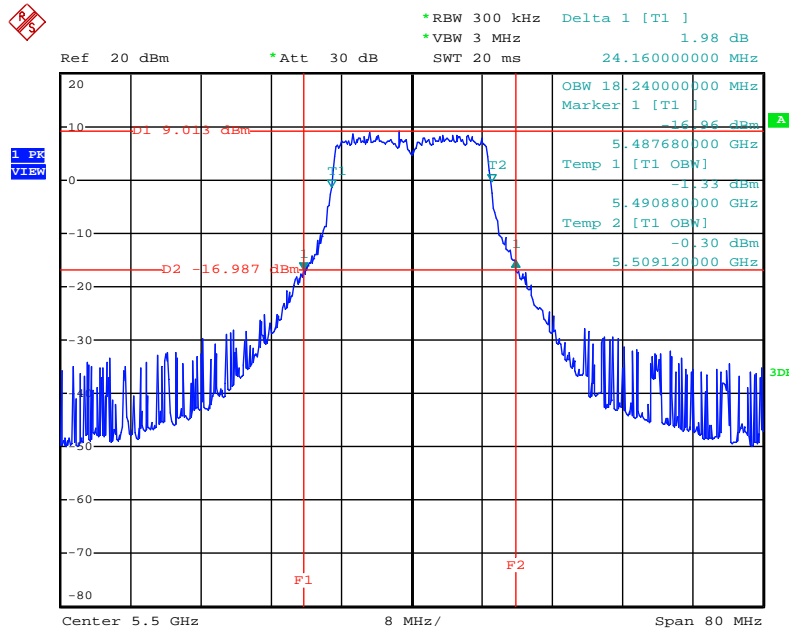
Date: 24.MAY.2013 12:59:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5320 MHz



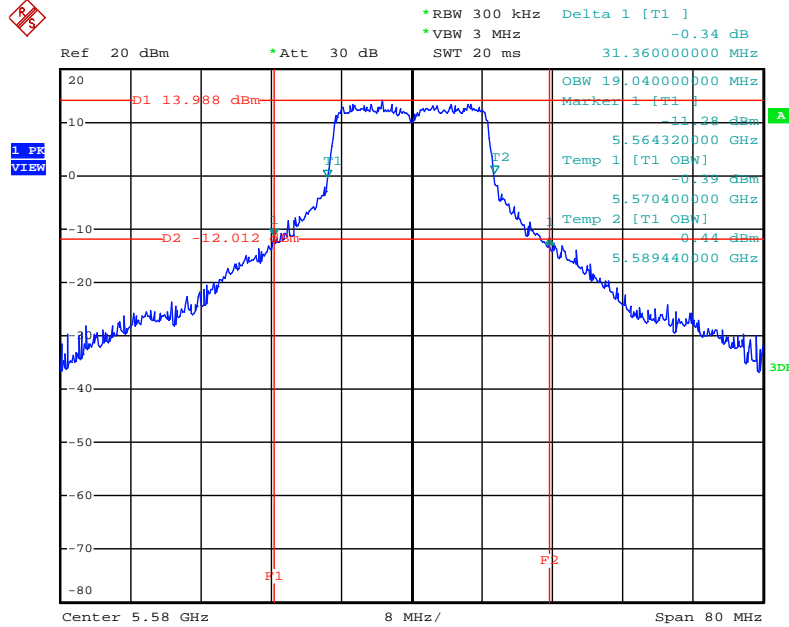
Date: 24.MAY.2013 13:02:05

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5500 MHz



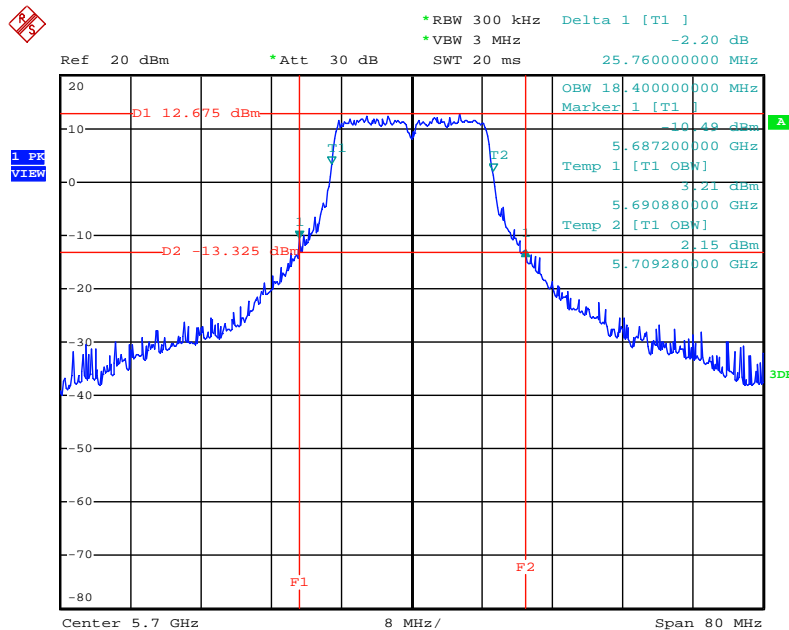
Date: 24.MAY.2013 13:03:17

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



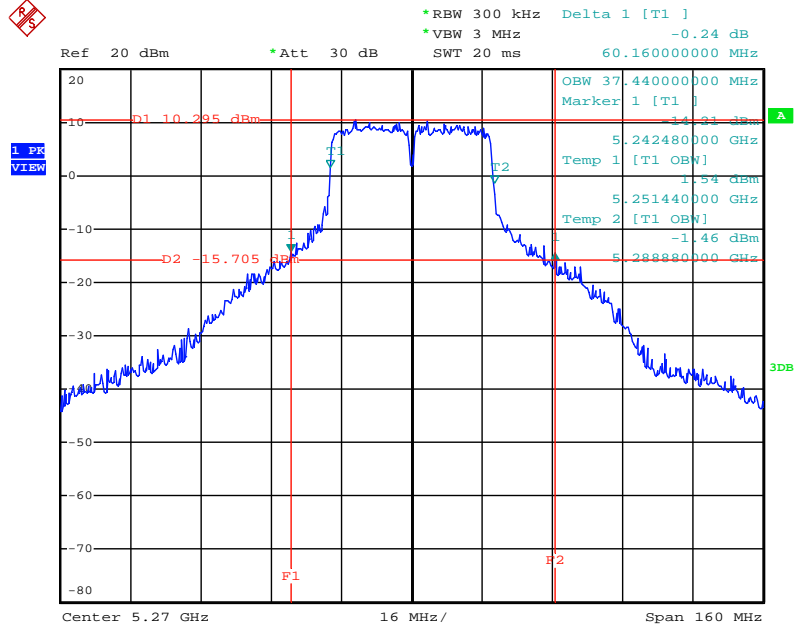
Date: 24.MAY.2013 13:05:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5700 MHz



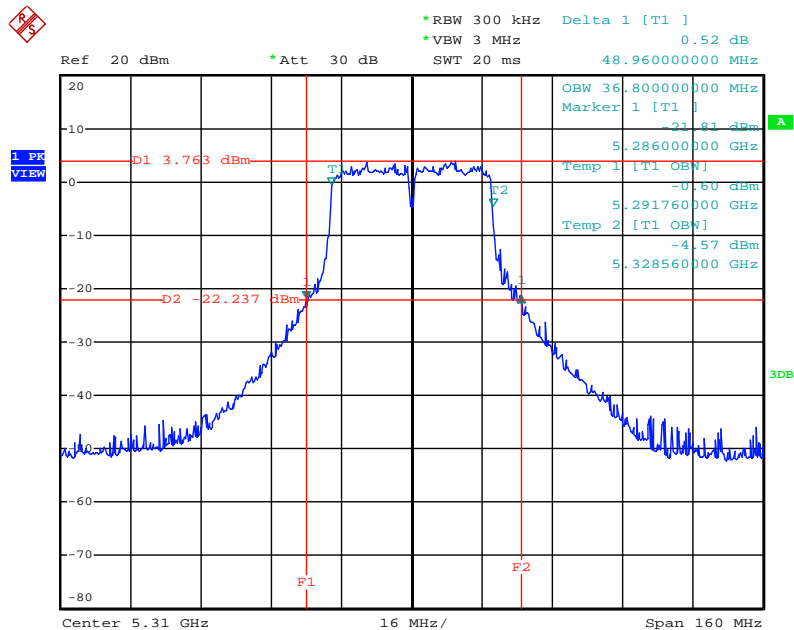
Date: 24.MAY.2013 13:06:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



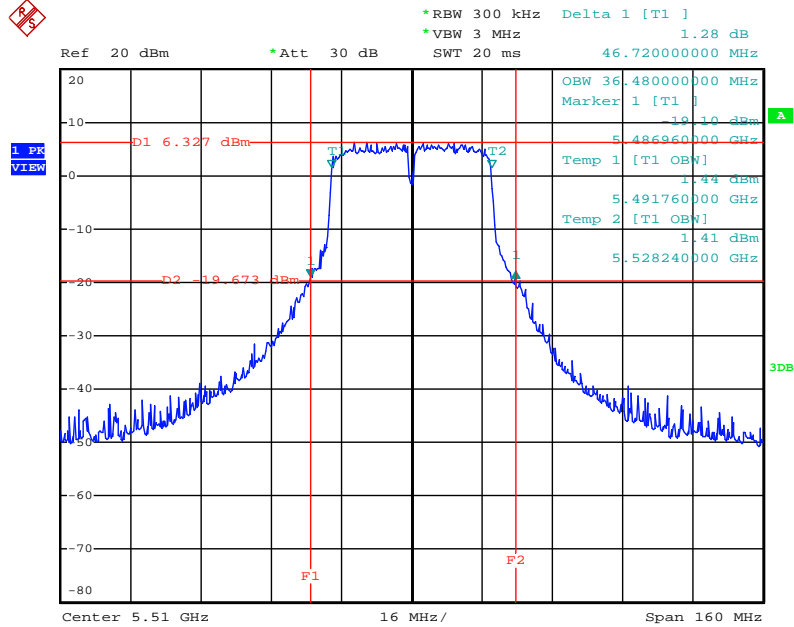
Date: 24.MAY.2013 13:22:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5310 MHz



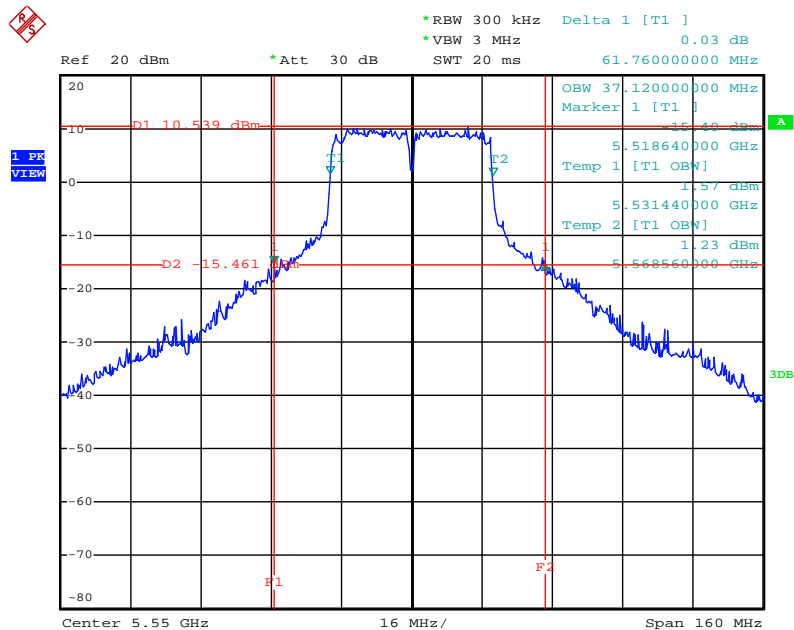
Date: 24.MAY.2013 13:23:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5510 MHz



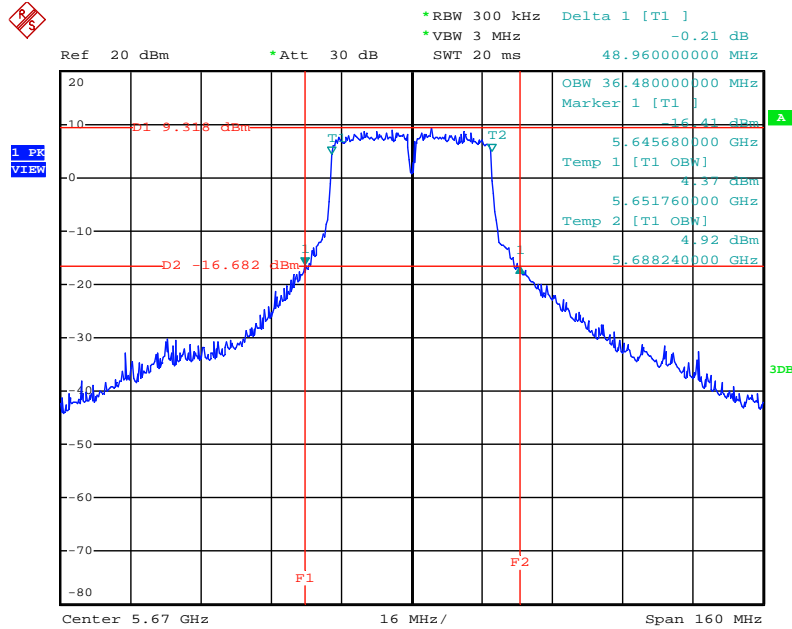
Date: 24.MAY.2013 13:19:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



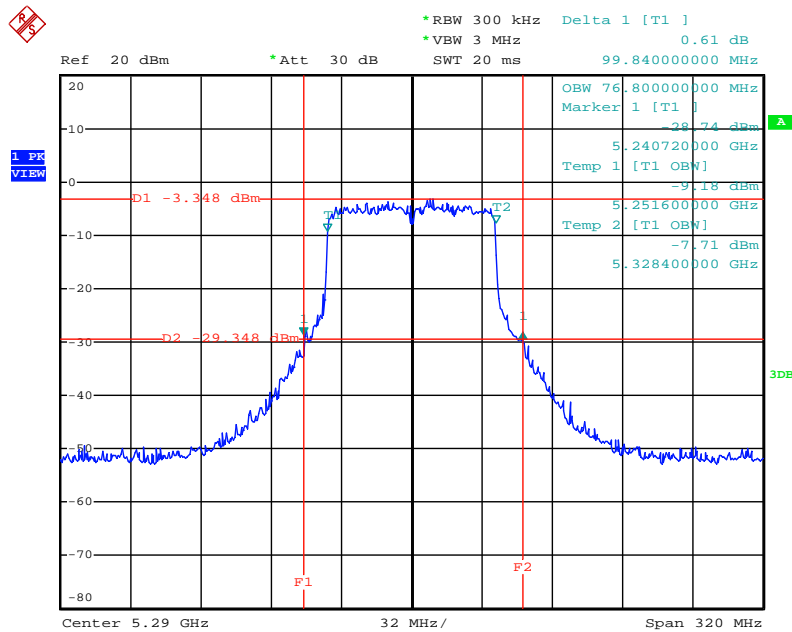
Date: 24.MAY.2013 13:18:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



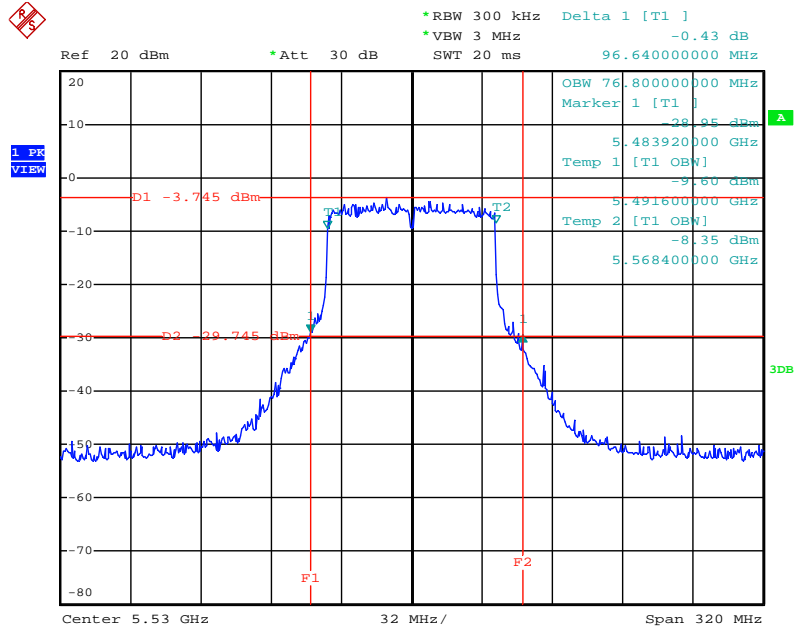
Date: 24.MAY.2013 13:15:49

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz



Date: 24.MAY.2013 13:26:20

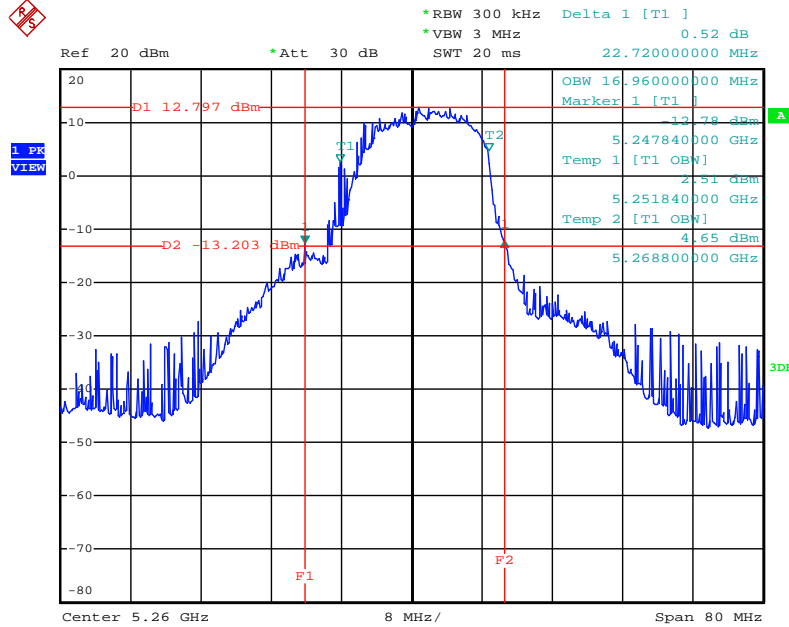
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz



Date: 24.MAY.2013 13:32:55

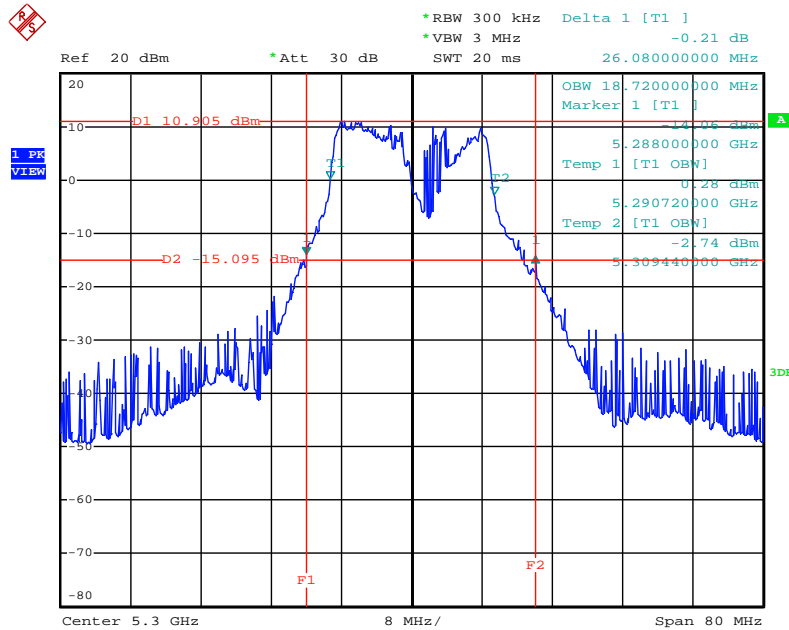
2TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



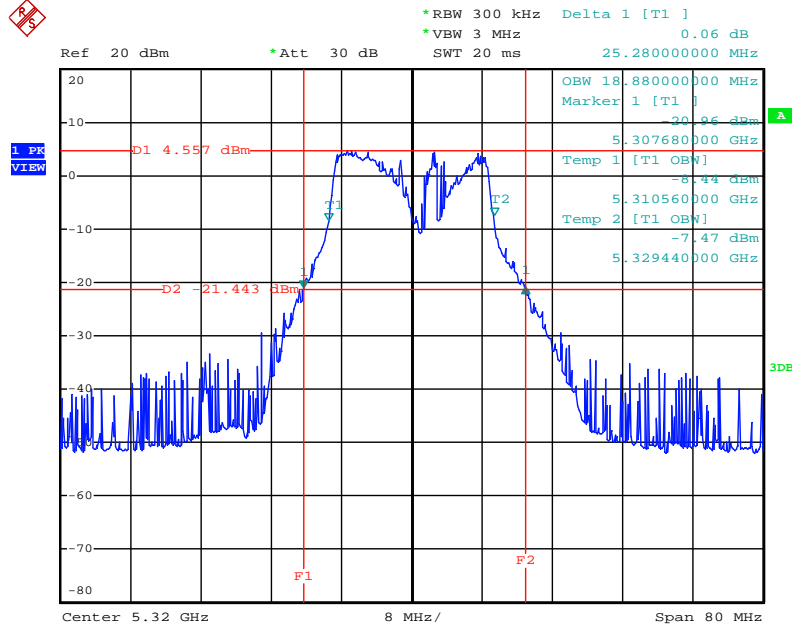
Date: 24.MAY.2013 14:37:25

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



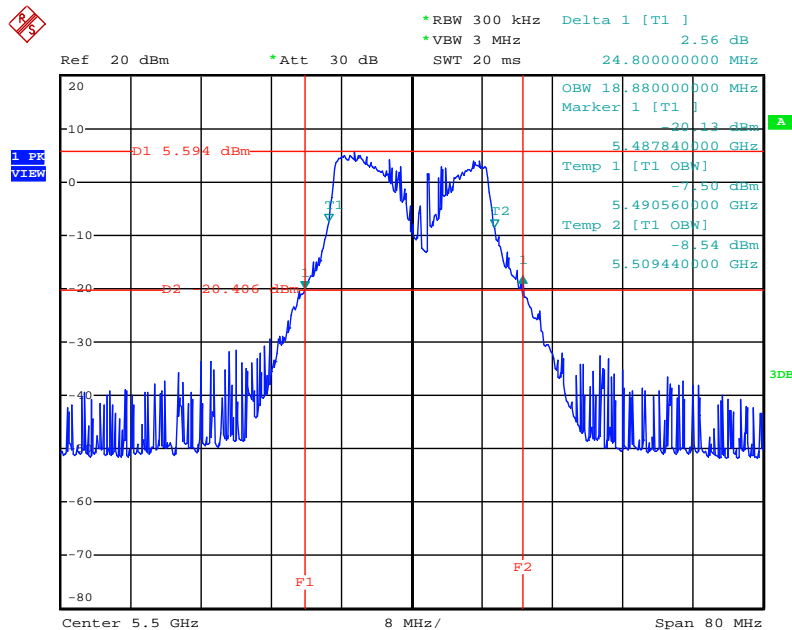
Date: 24.MAY.2013 14:41:54

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



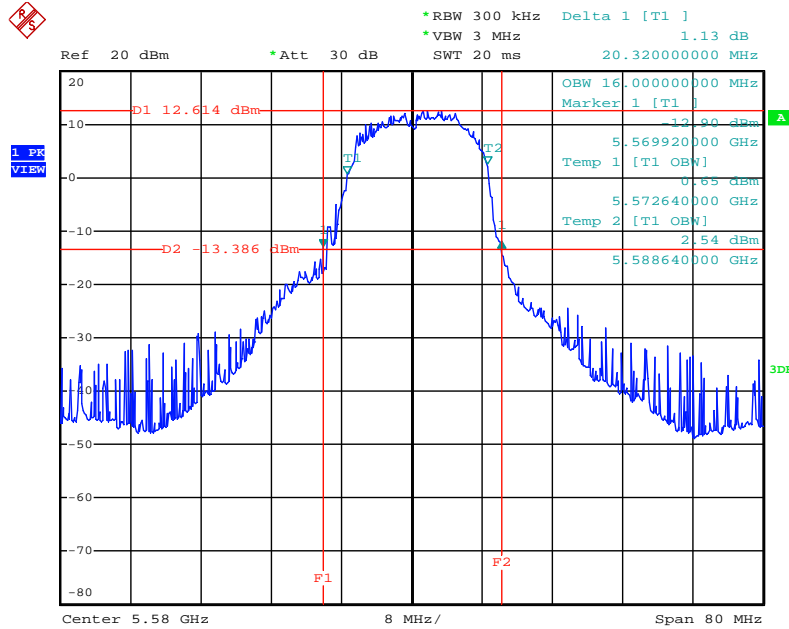
Date: 24.MAY.2013 14:44:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



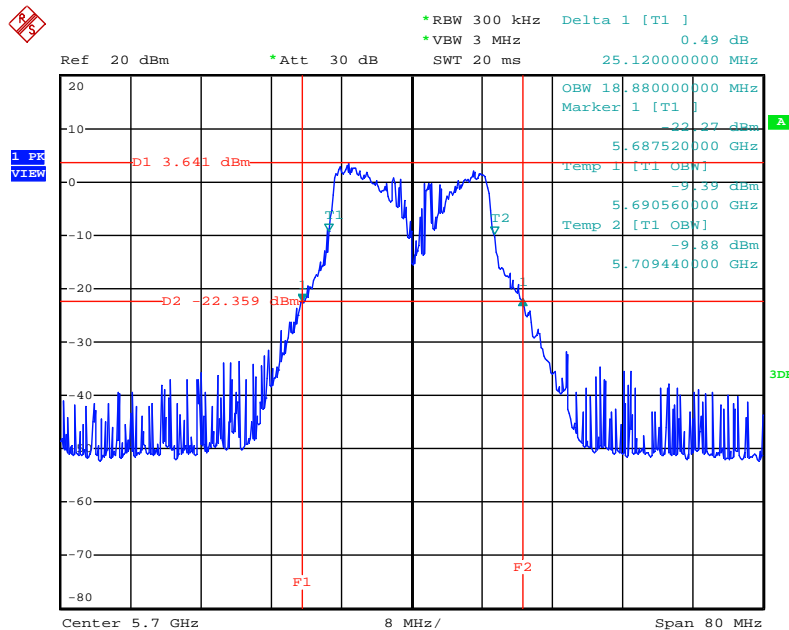
Date: 24.MAY.2013 14:47:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



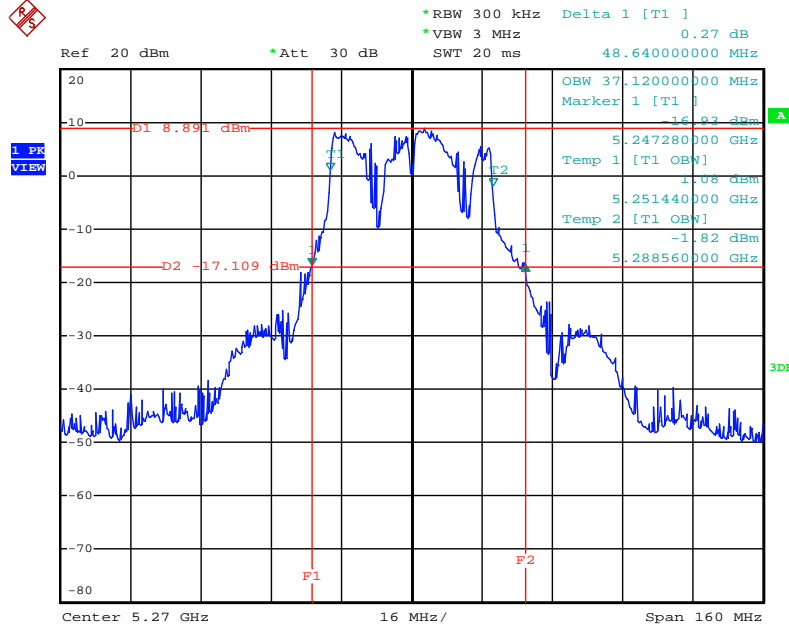
Date: 24.MAY.2013 14:50:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5700 MHz



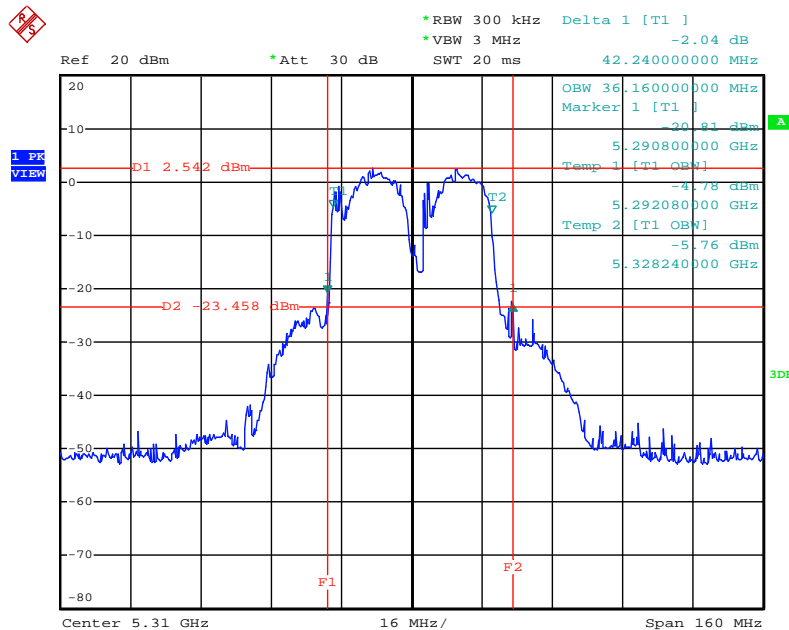
Date: 24.MAY.2013 14:53:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz



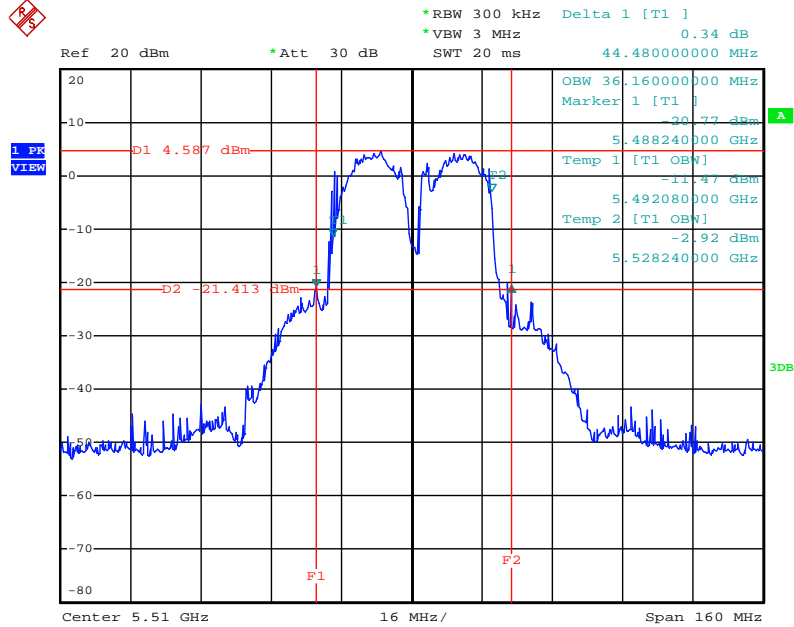
Date: 24.MAY.2013 15:09:51

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5310 MHz



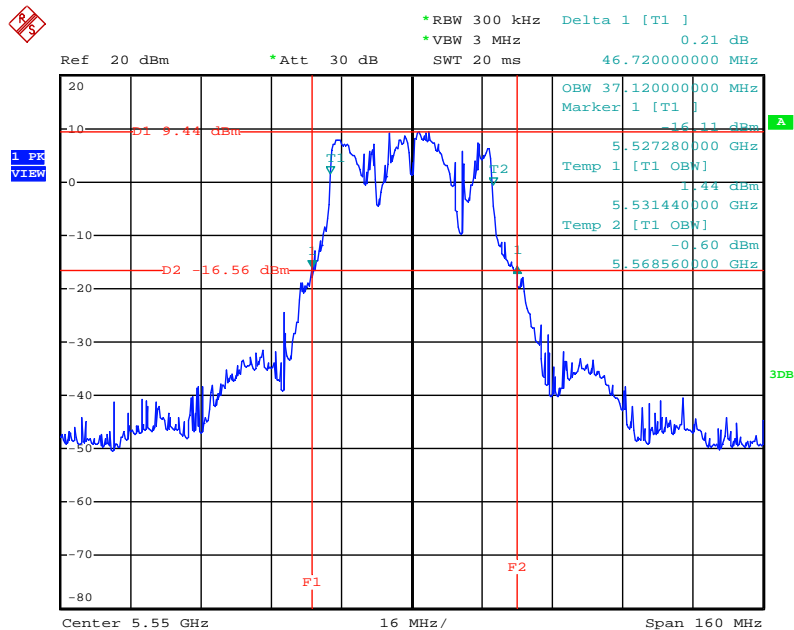
Date: 24.MAY.2013 15:11:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



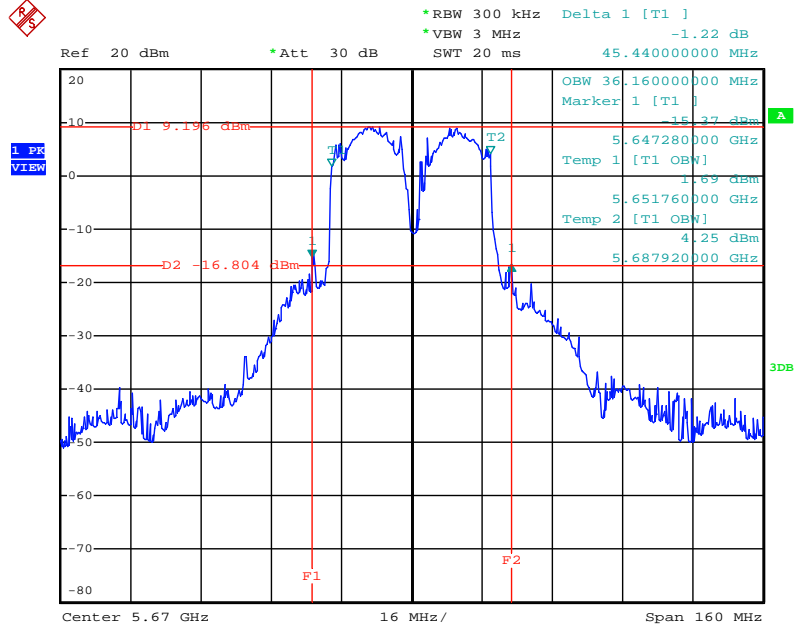
Date: 24.MAY.2013 15:04:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



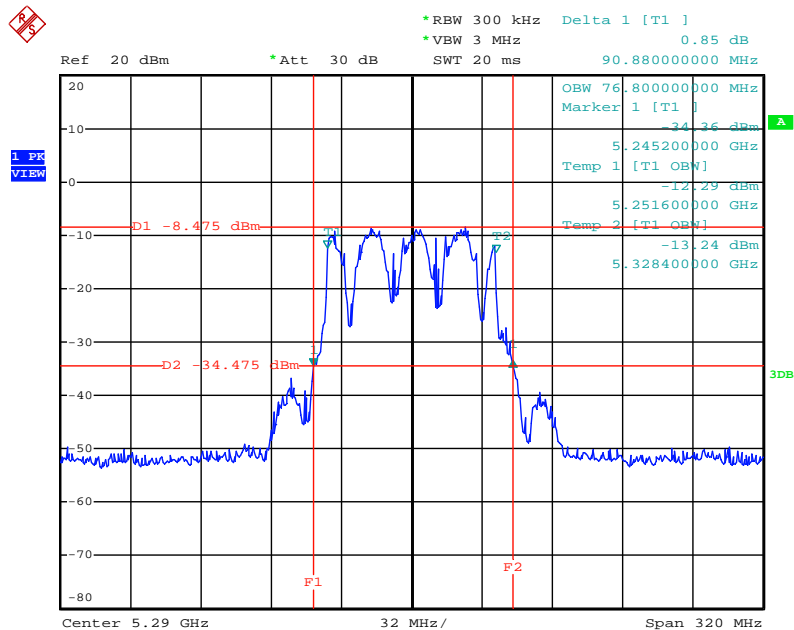
Date: 24.MAY.2013 15:04:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5670 MHz



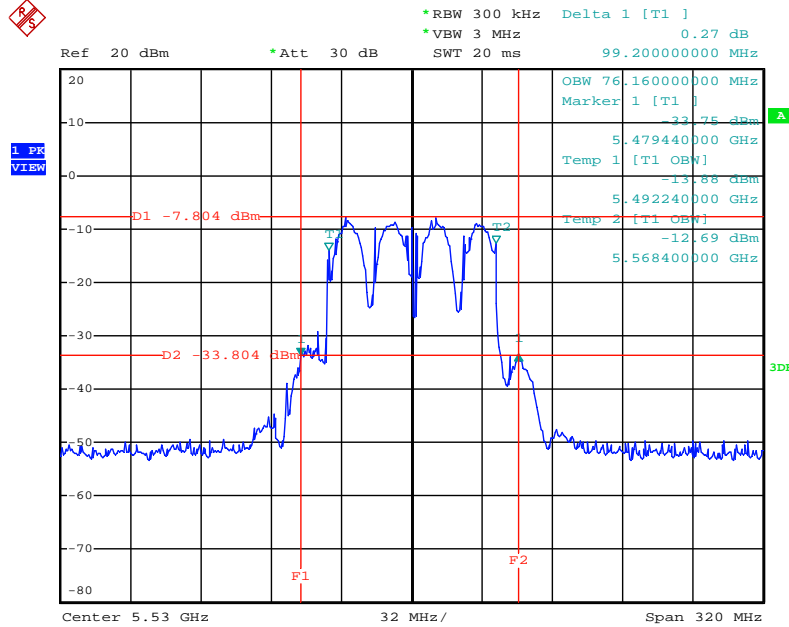
Date: 24.MAY.2013 14:59:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



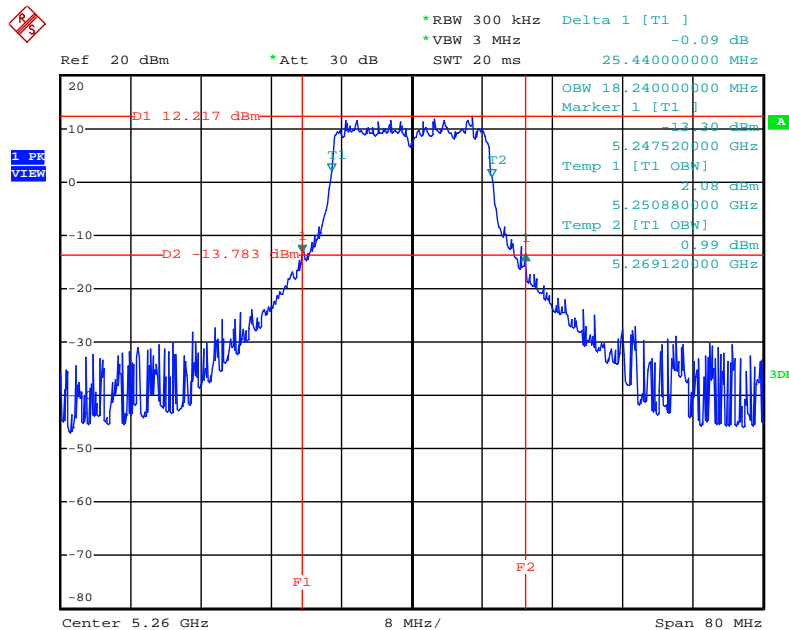
Date: 24.MAY.2013 15:18:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



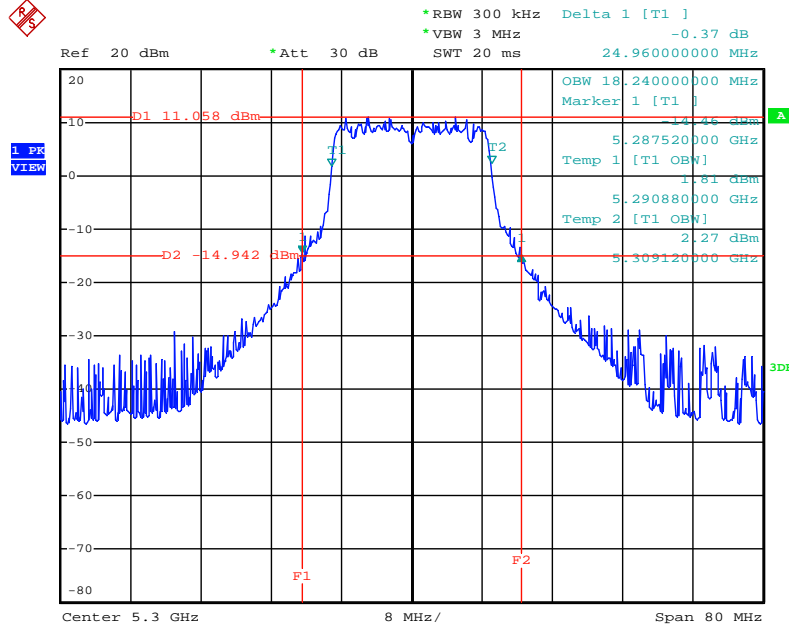
Date: 24.MAY.2013 15:22:30

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



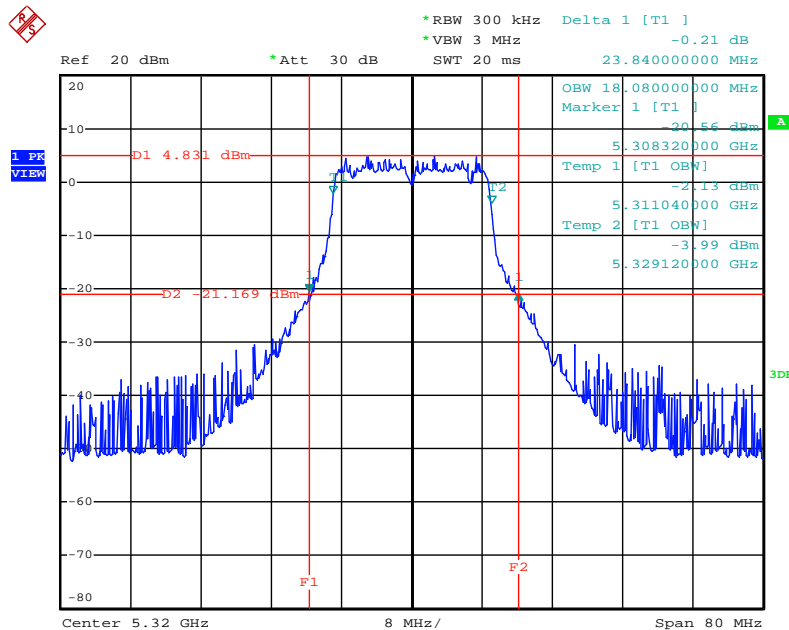
Date: 24.MAY.2013 17:02:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5300 MHz



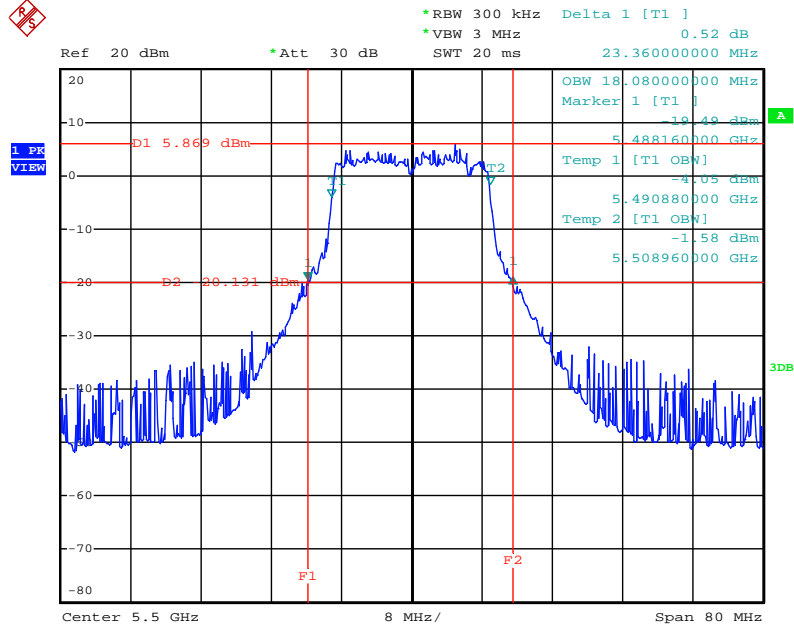
Date: 24.MAY.2013 17:06:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5320 MHz



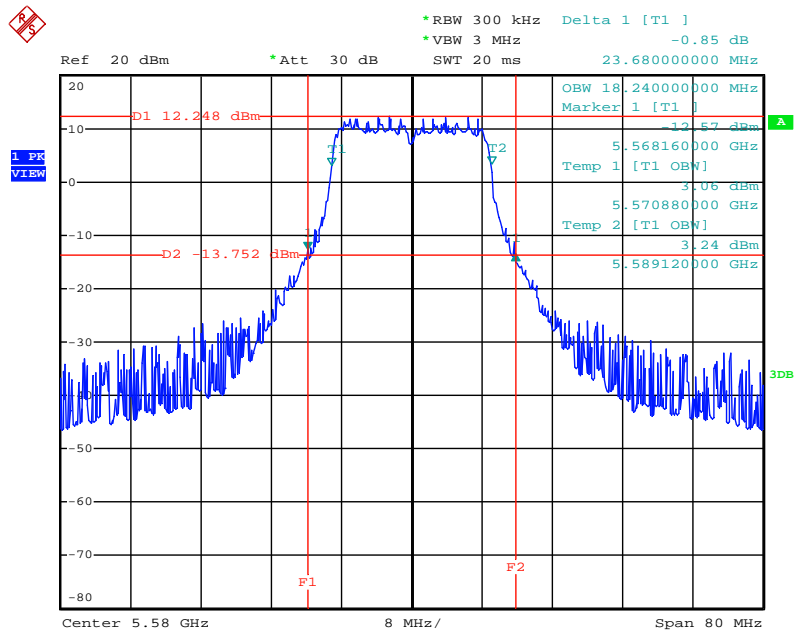
Date: 24.MAY.2013 17:12:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5500 MHz



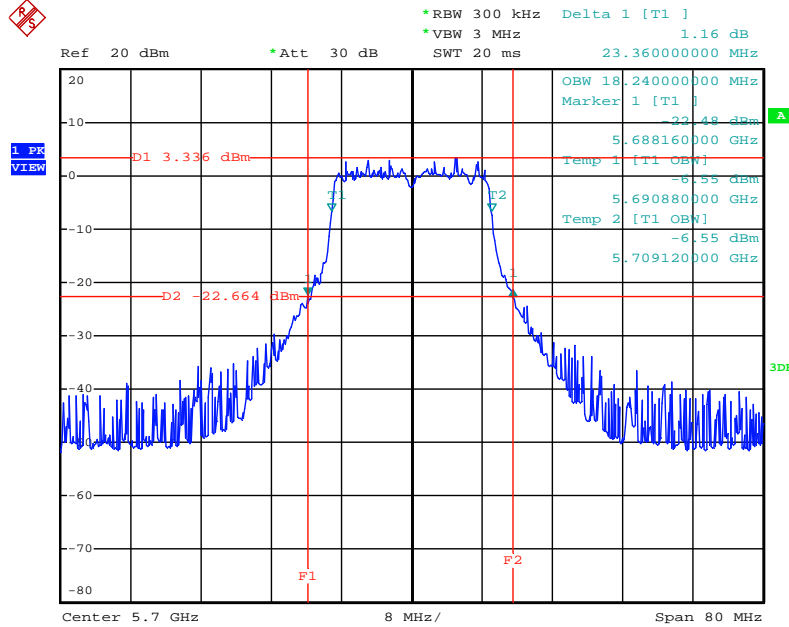
Date: 24.MAY.2013 16:53:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



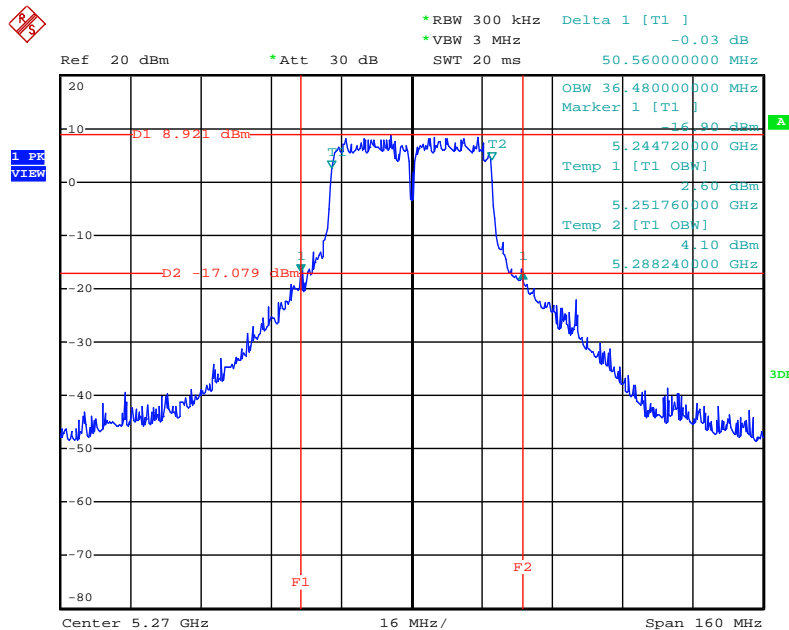
Date: 24.MAY.2013 16:58:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5700 MHz



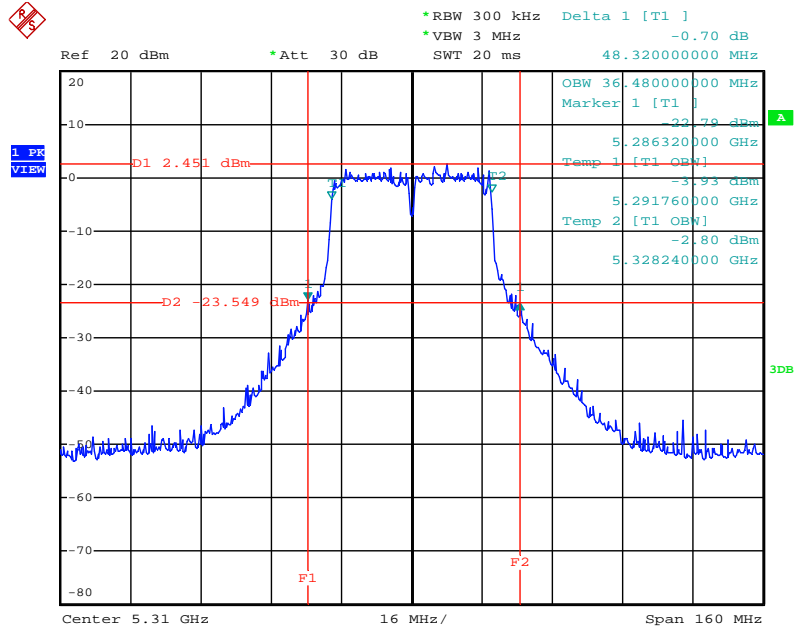
Date: 24.MAY.2013 16:59:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5270 MHz



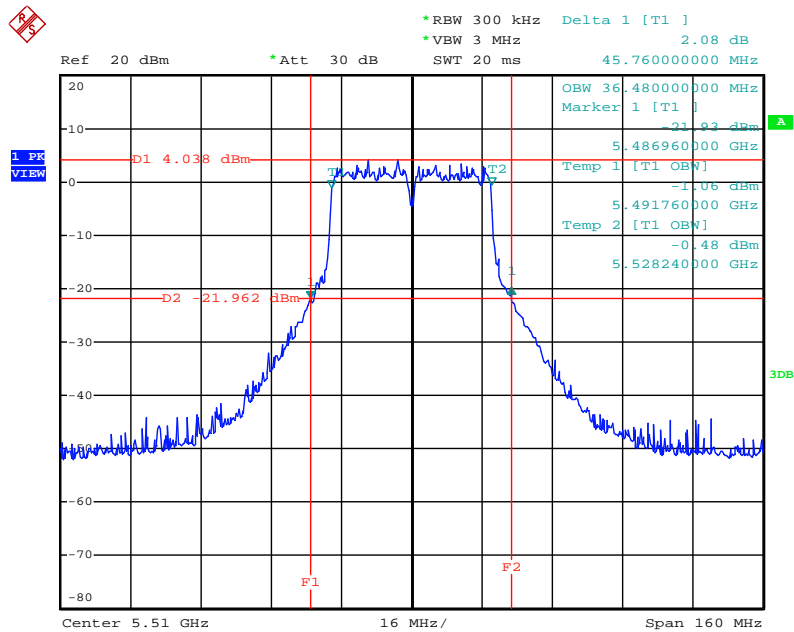
Date: 24.MAY.2013 15:47:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5310 MHz



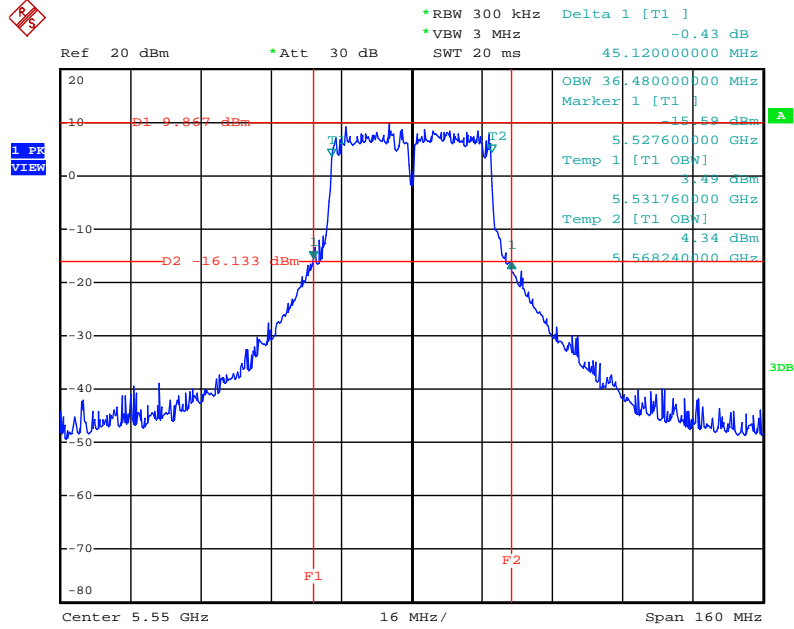
Date: 24.MAY.2013 15:51:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5510 MHz



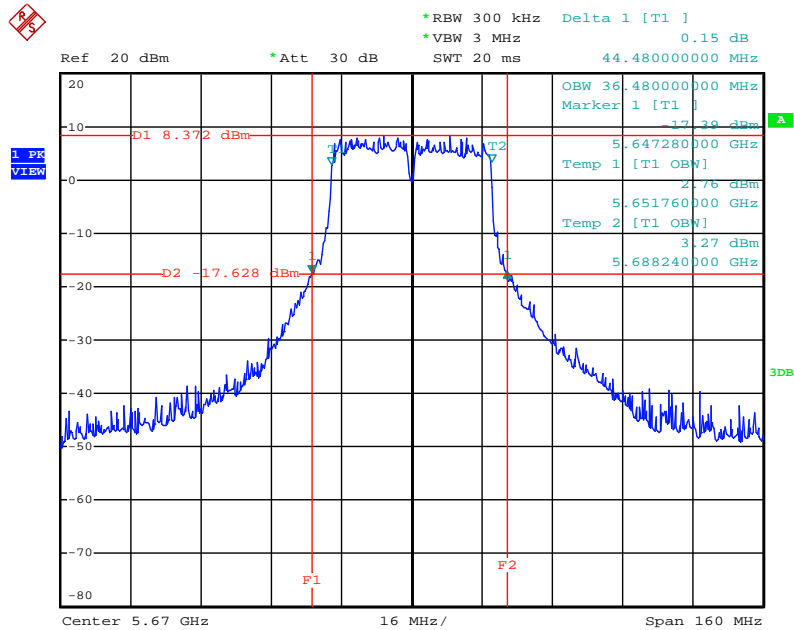
Date: 24.MAY.2013 15:54:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



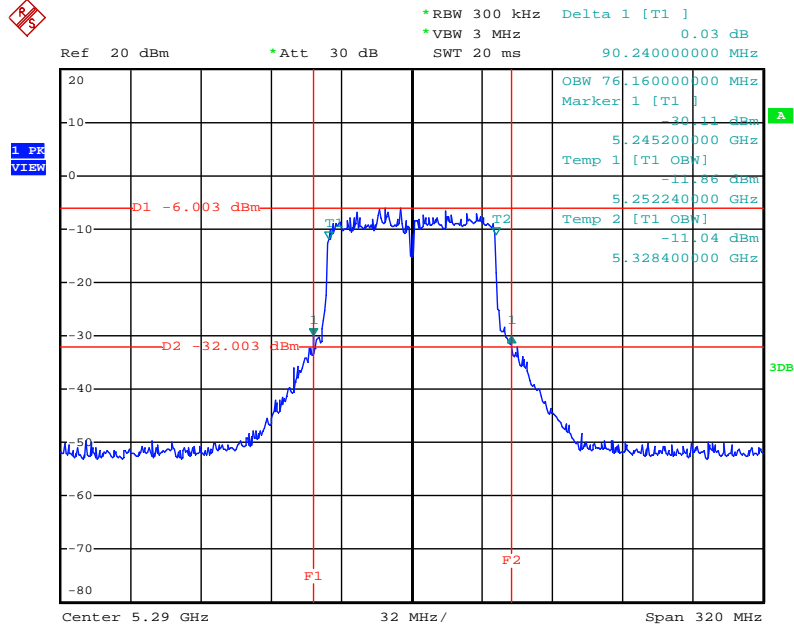
Date: 24.MAY.2013 15:56:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5670 MHz



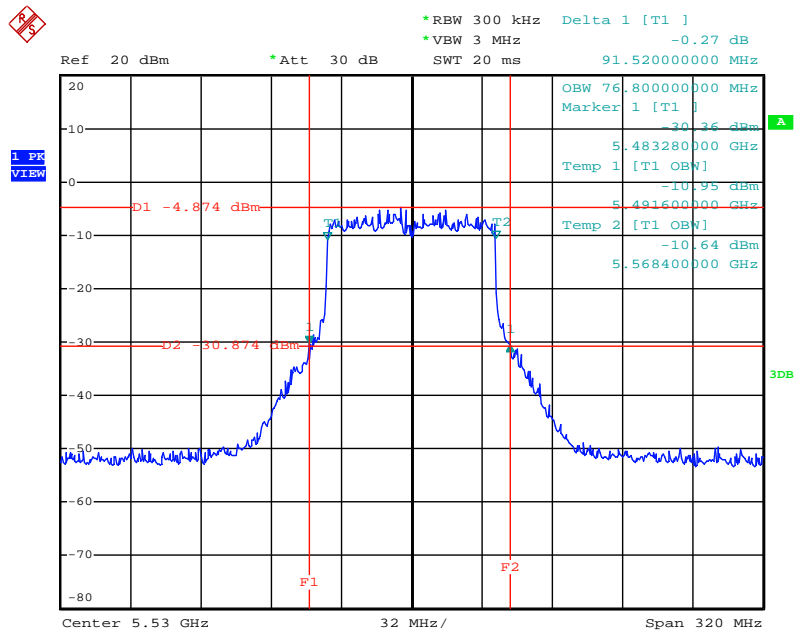
Date: 24.MAY.2013 15:57:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Date: 24.MAY.2013 15:45:43

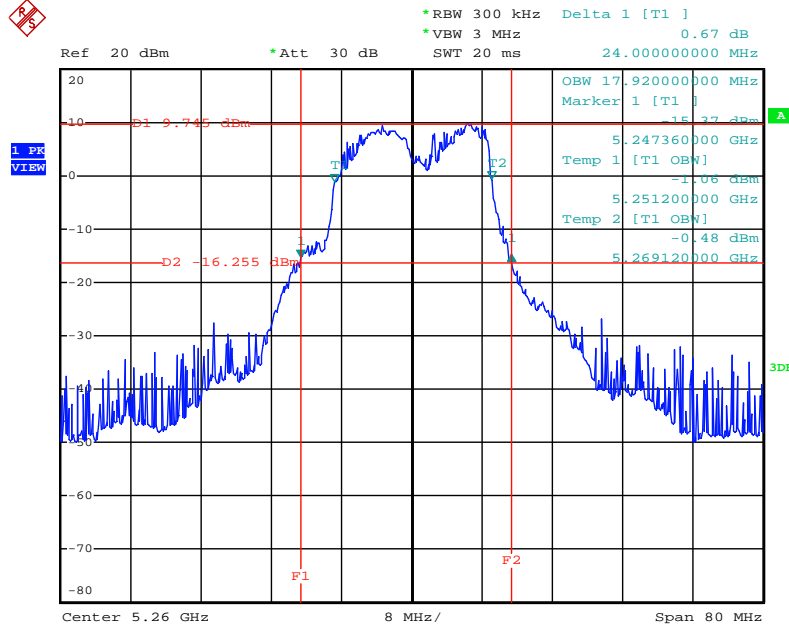
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 / 5530 MHz



Date: 24.MAY.2013 15:41:52

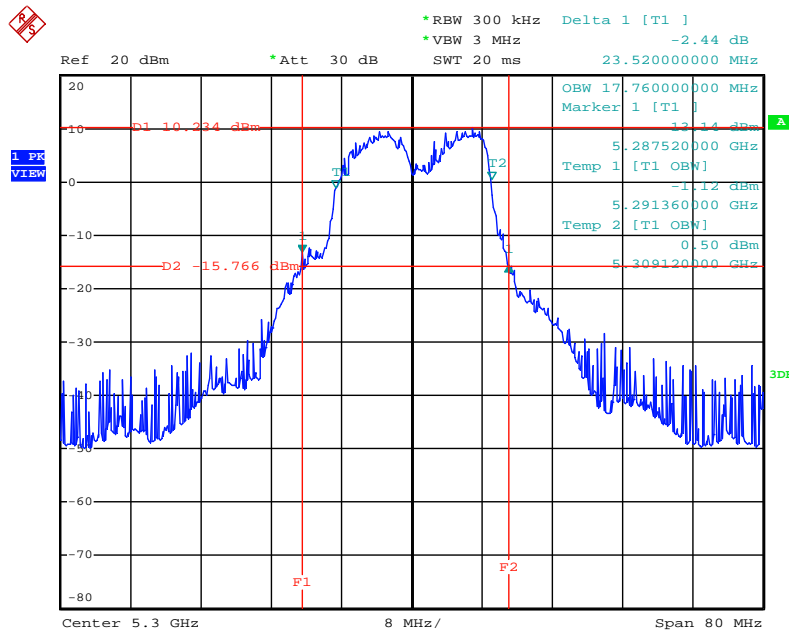
3TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



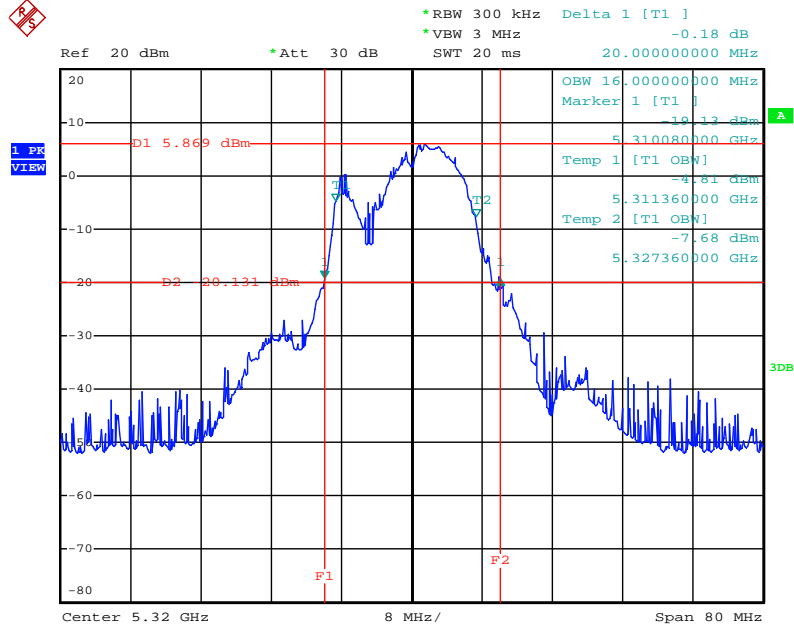
Date: 24.MAY.2013 20:02:14

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



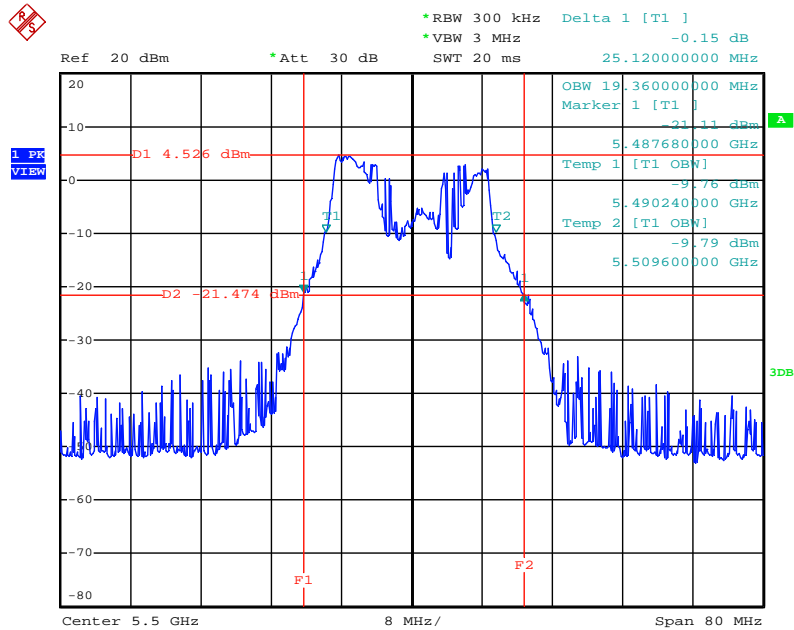
Date: 24.MAY.2013 20:06:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



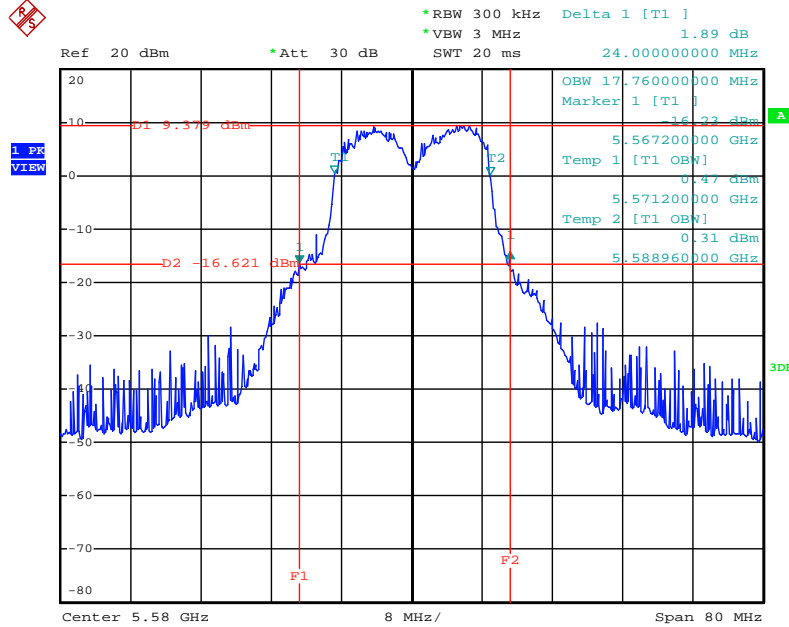
Date: 24.MAY.2013 20:08:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



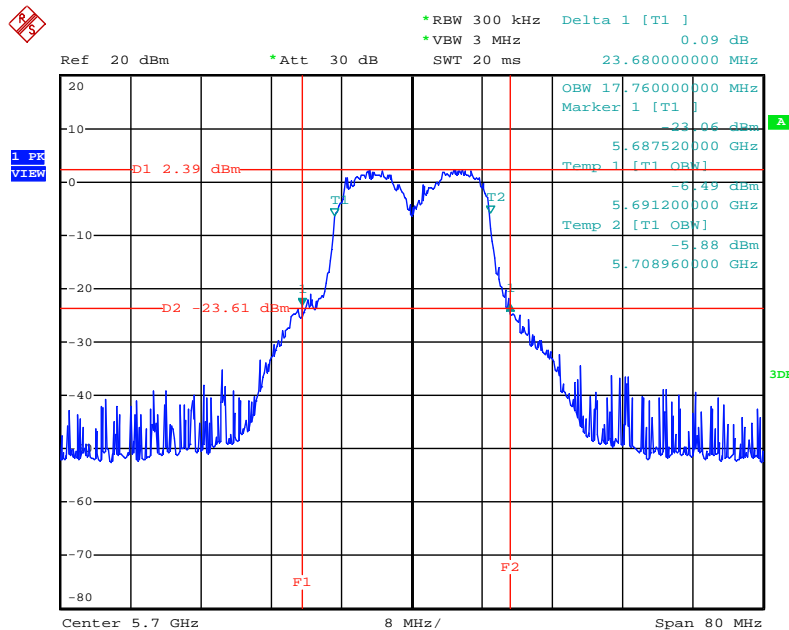
Date: 24.MAY.2013 20:15:17

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



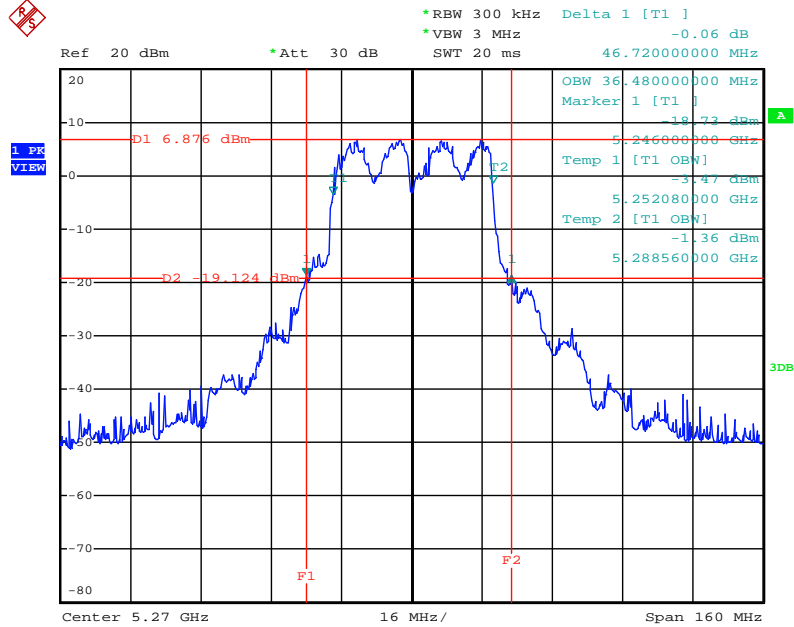
Date: 24.MAY.2013 20:17:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



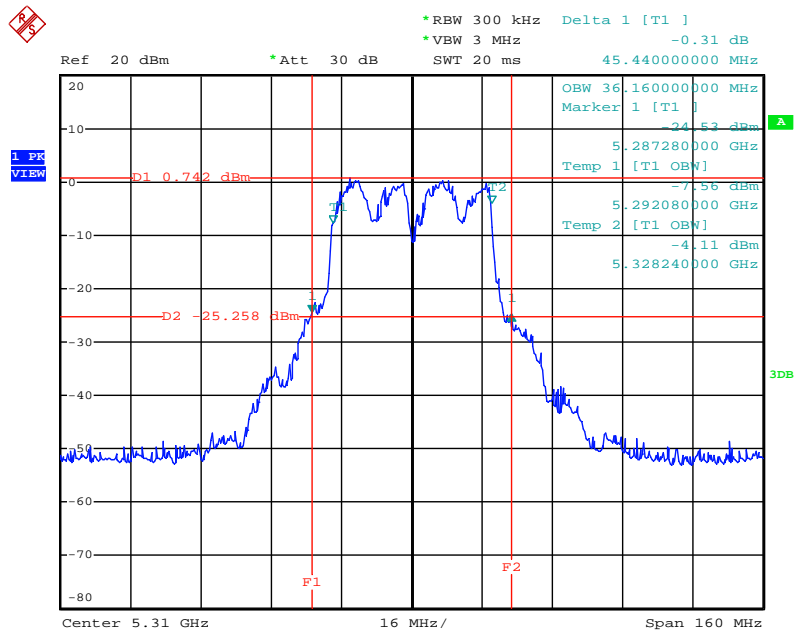
Date: 24.MAY.2013 20:28:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



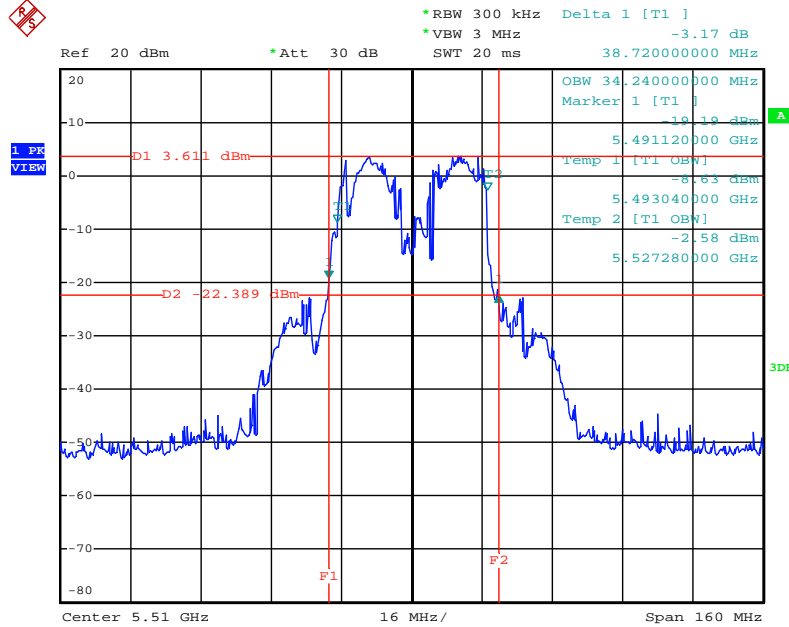
Date: 24.MAY.2013 20:30:54

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



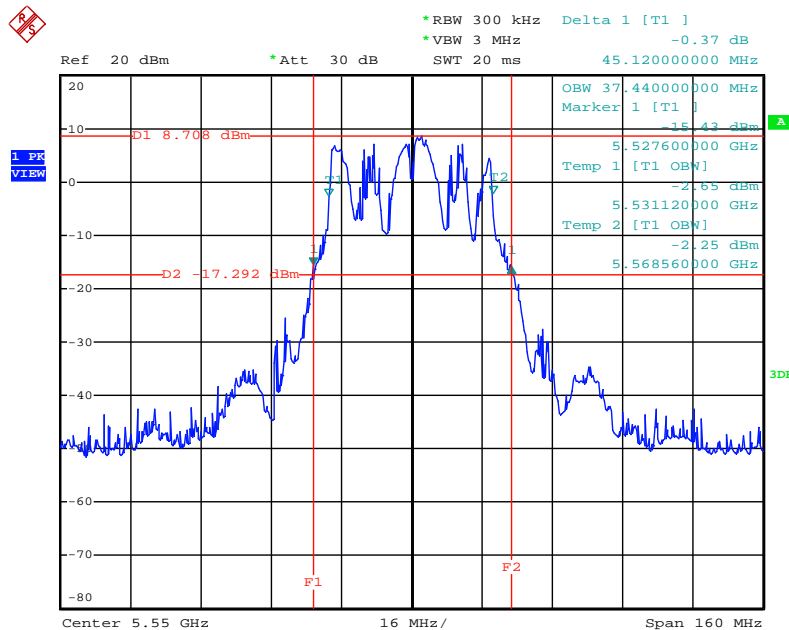
Date: 24.MAY.2013 20:33:56

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



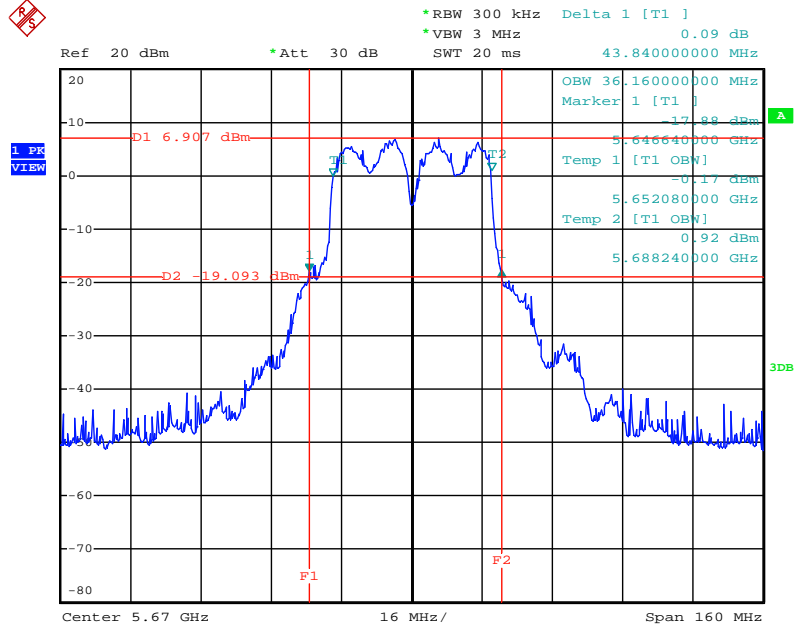
Date: 24.MAY.2013 20:36:40

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



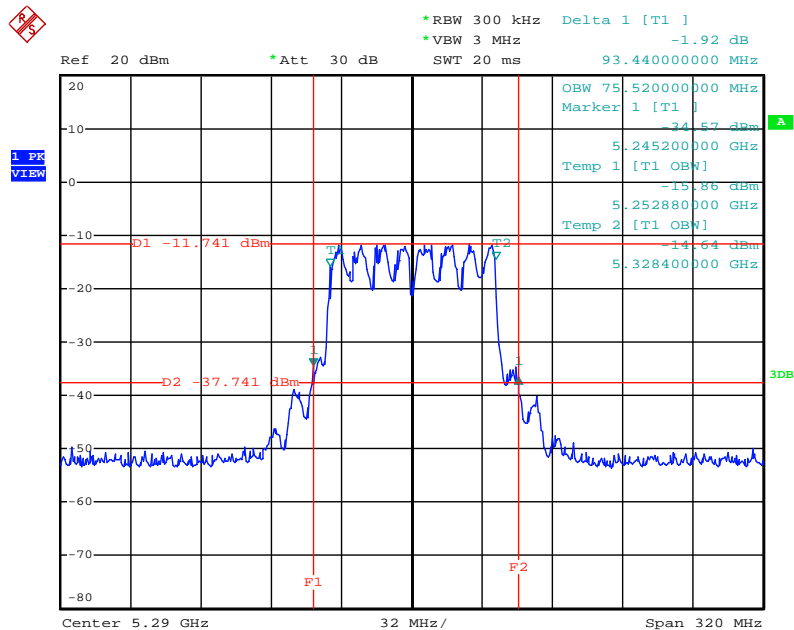
Date: 24.MAY.2013 20:39:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



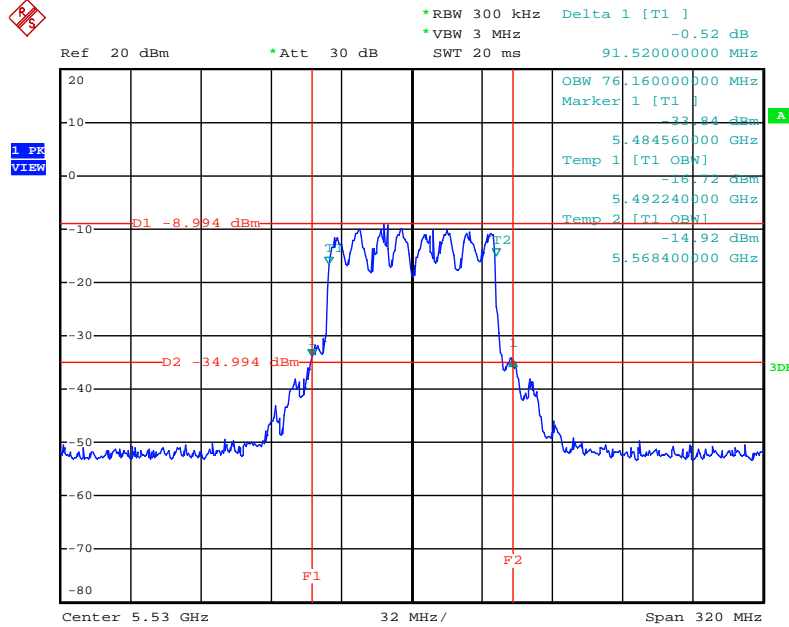
Date: 24.MAY.2013 20:41:14

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



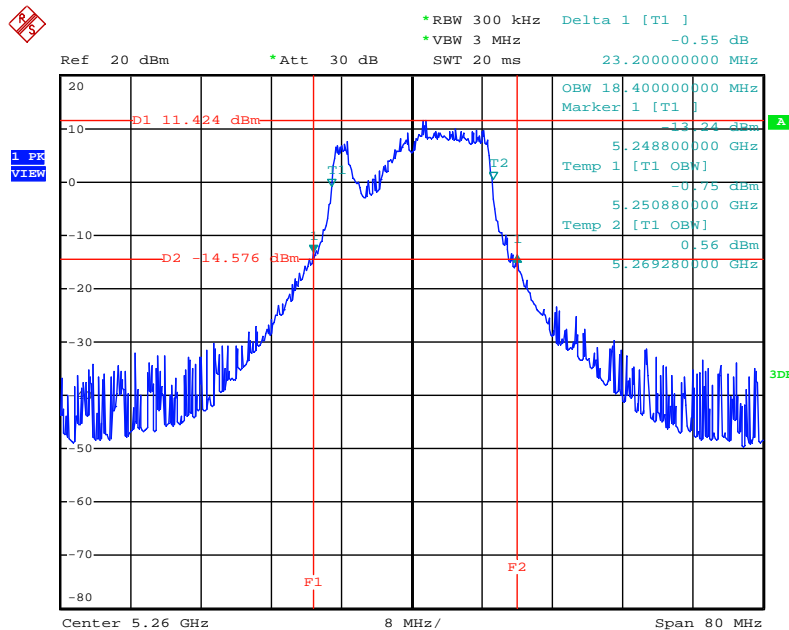
Date: 24.MAY.2013 20:44:01

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



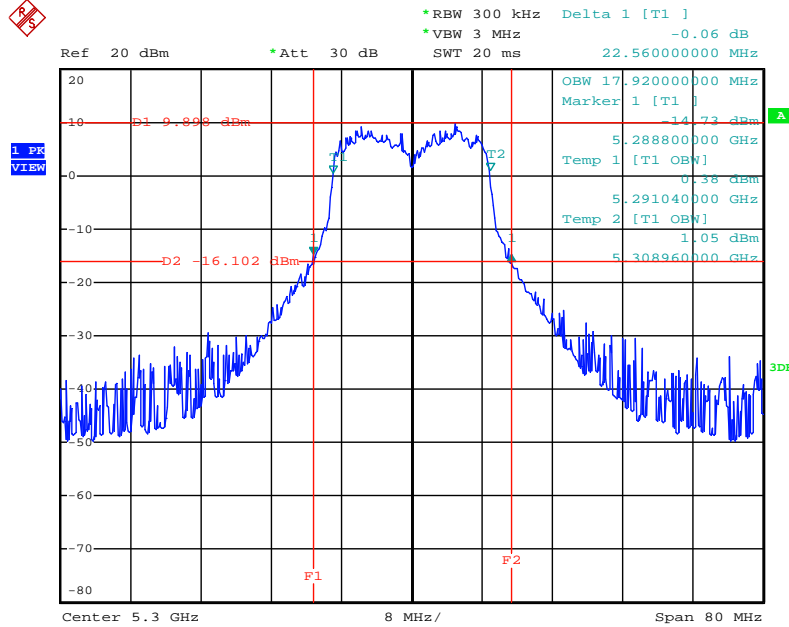
Date: 24.MAY.2013 20:47:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



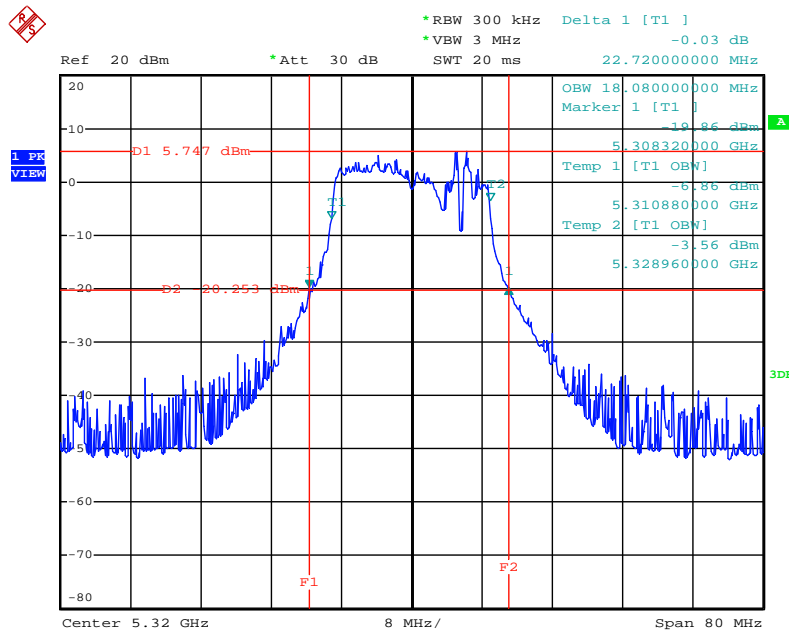
Date: 24.MAY.2013 21:18:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHZ



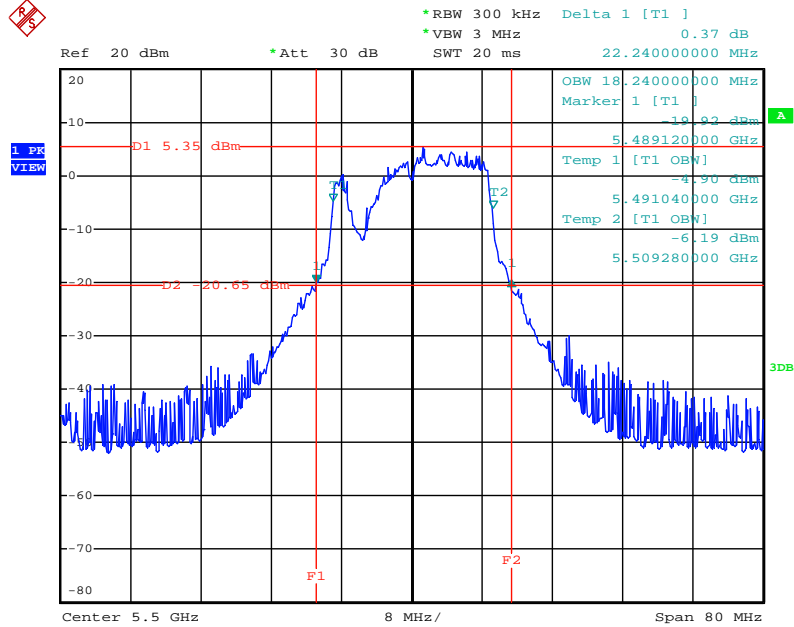
Date: 24.MAY.2013 21:21:07

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHZ



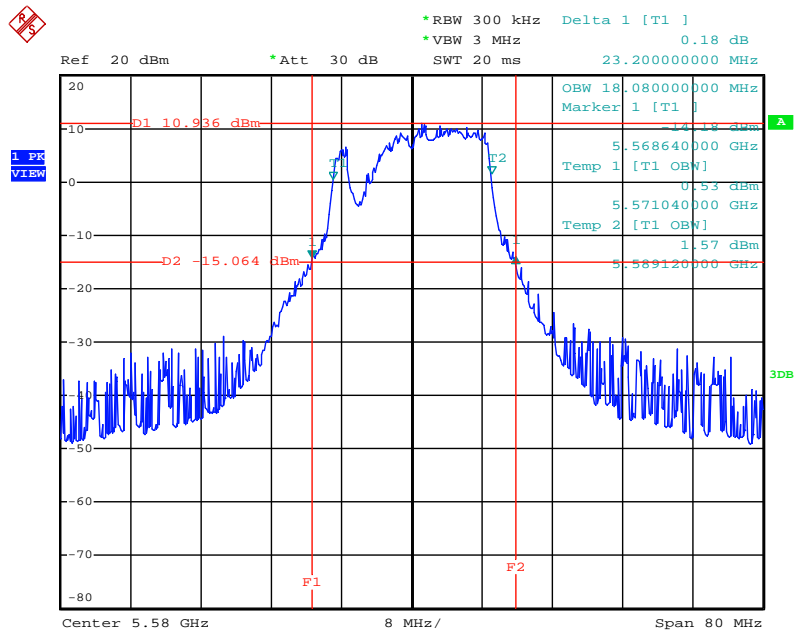
Date: 24.MAY.2013 21:23:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



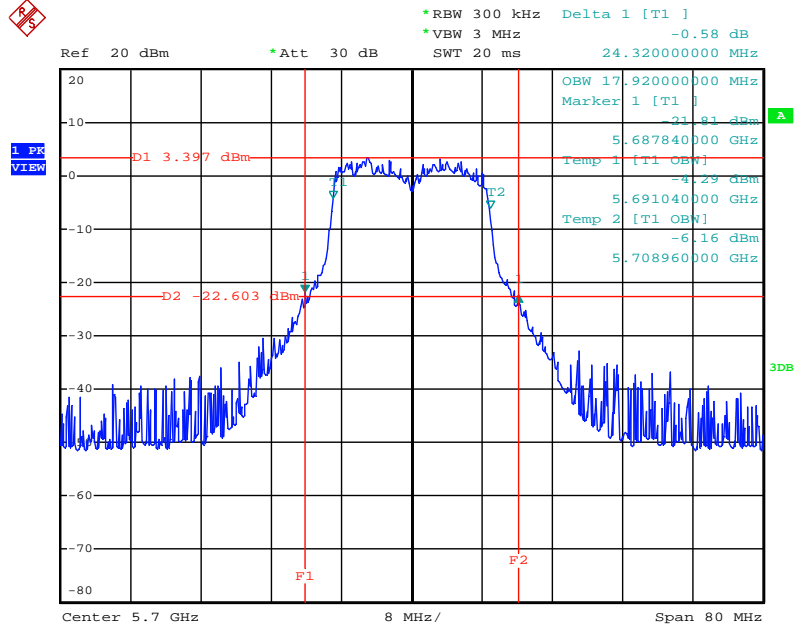
Date: 24.MAY.2013 21:27:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



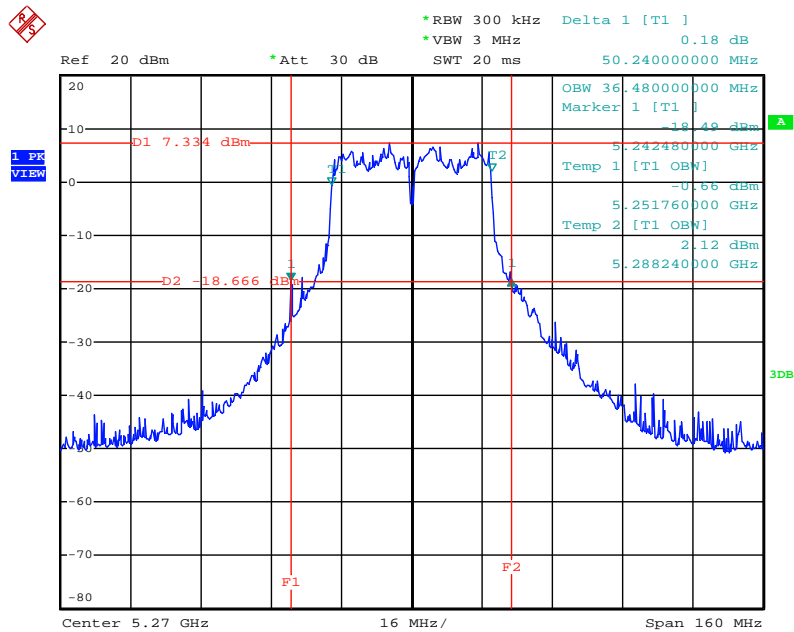
Date: 24.MAY.2013 21:29:02

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



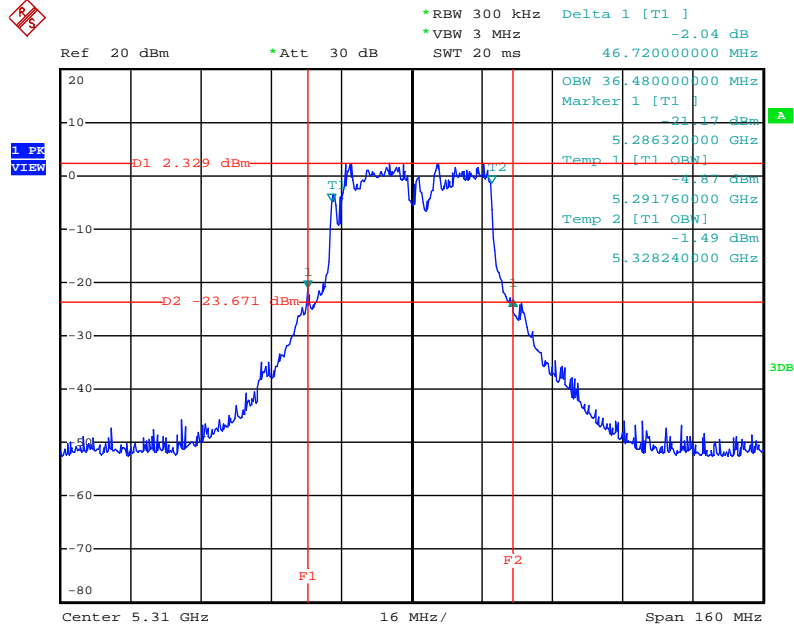
Date: 24.MAY.2013 21:31:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



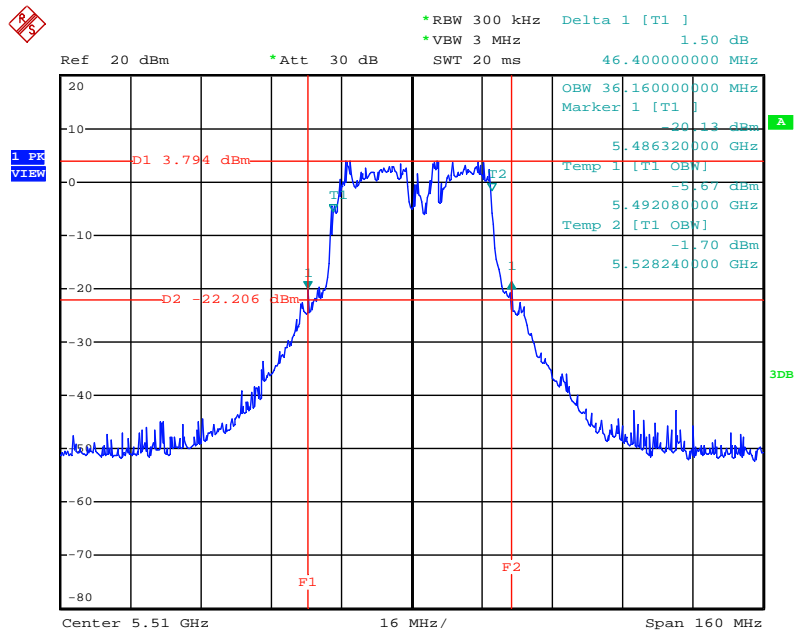
Date: 24.MAY.2013 21:34:29

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



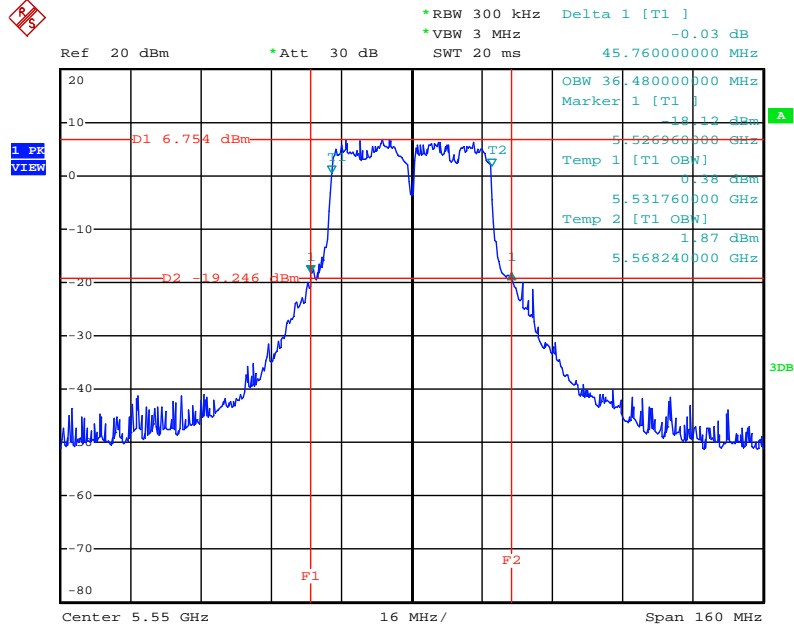
Date: 24.MAY.2013 21:36:22

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



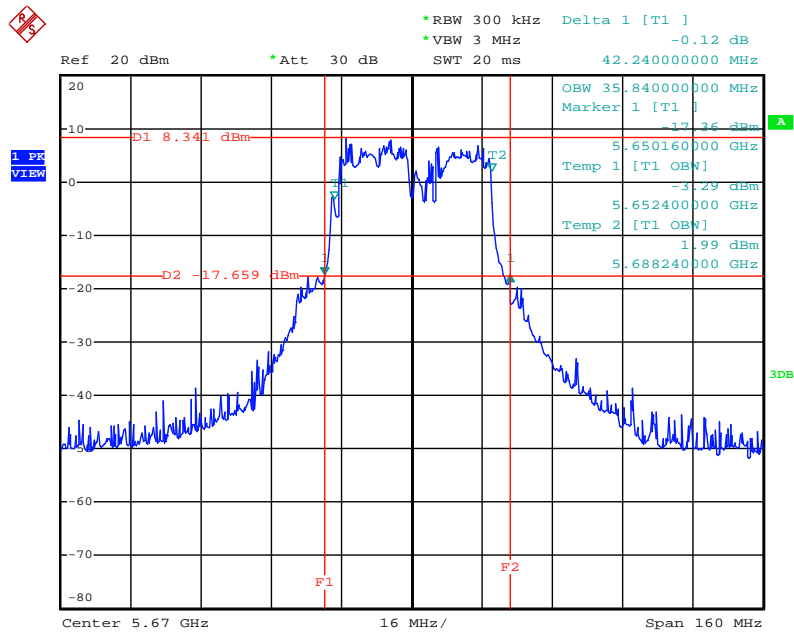
Date: 24.MAY.2013 21:39:14

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



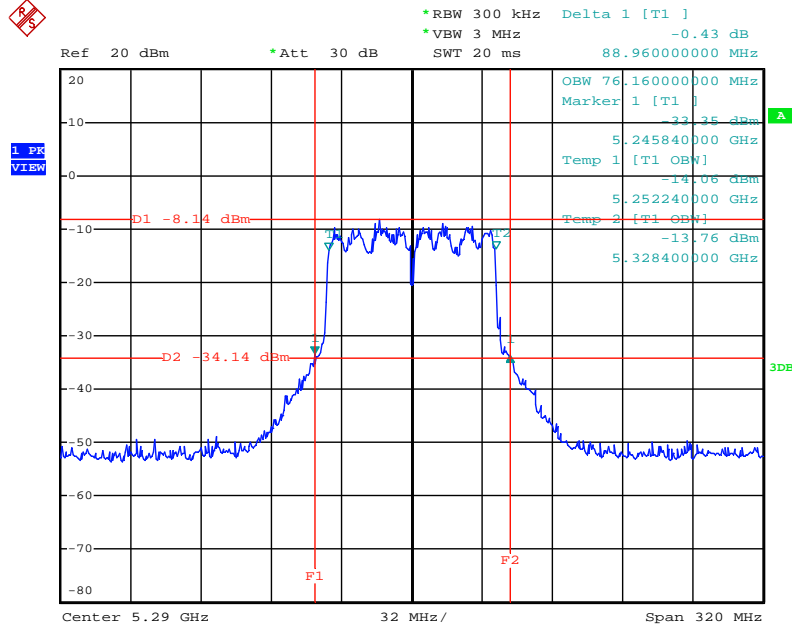
Date: 24.MAY.2013 21:41:11

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



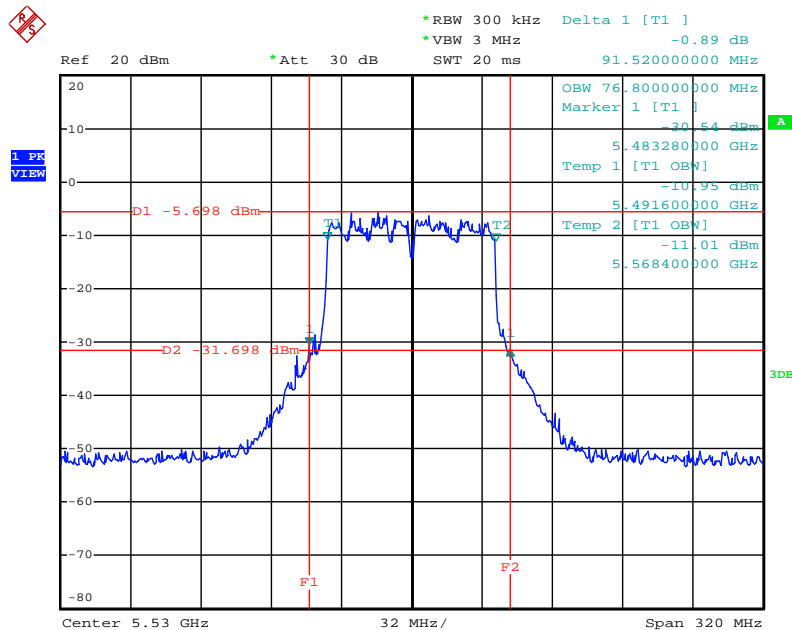
Date: 24.MAY.2013 21:43:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



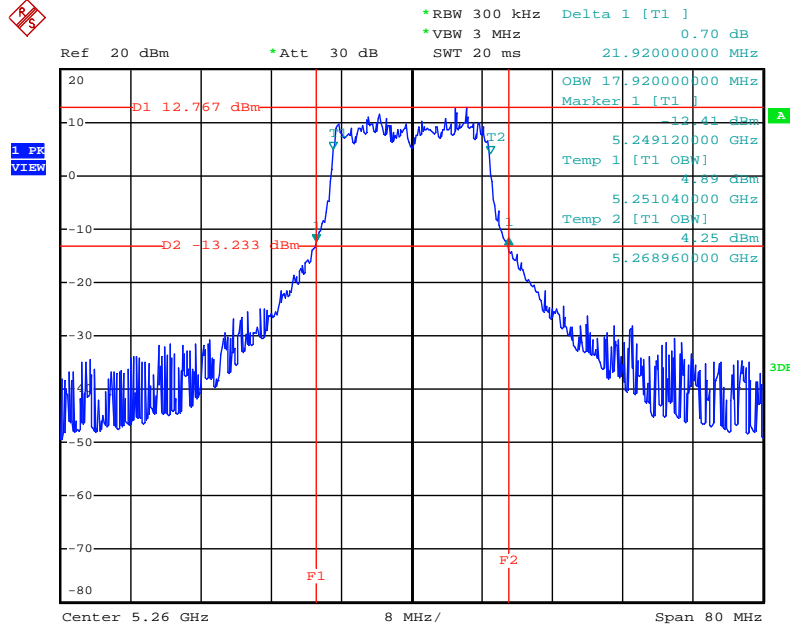
Date: 24.MAY.2013 21:48:53

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz



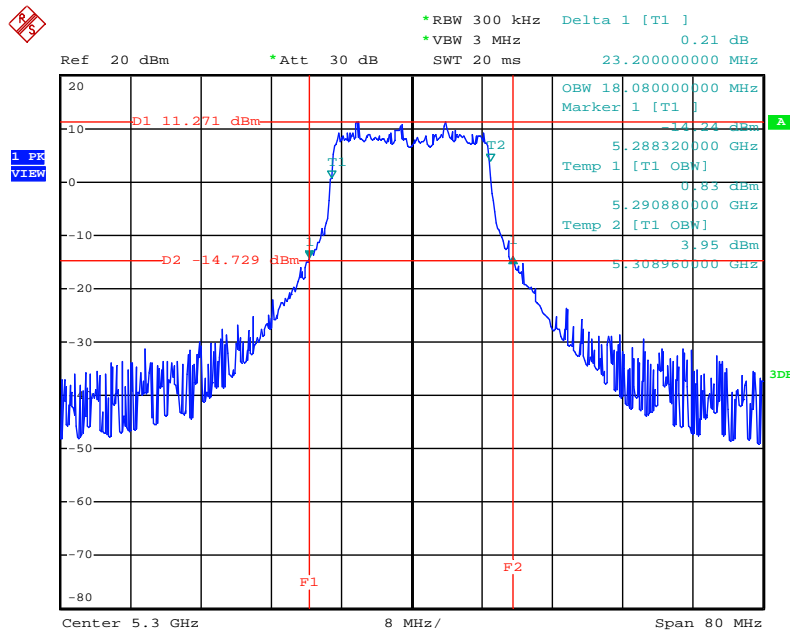
Date: 24.MAY.2013 21:46:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



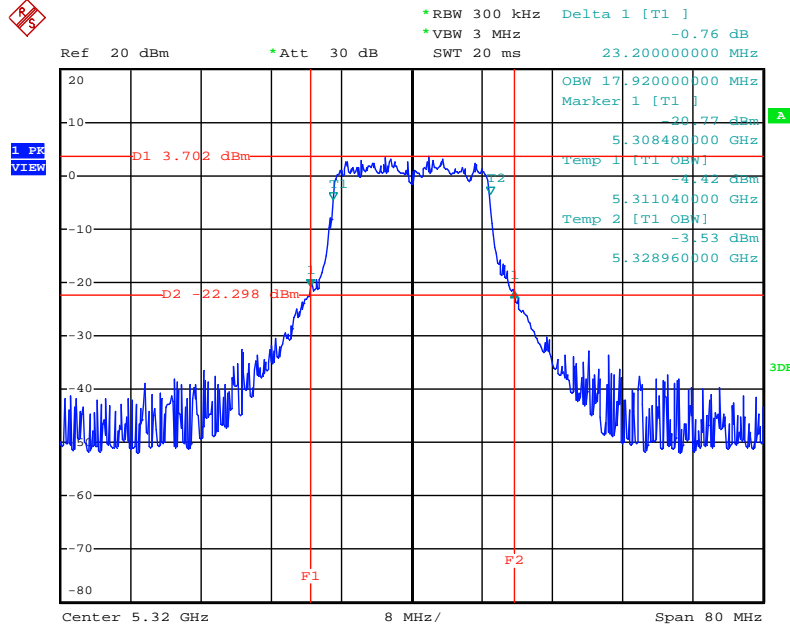
Date: 24.MAY.2013 22:08:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300MHz



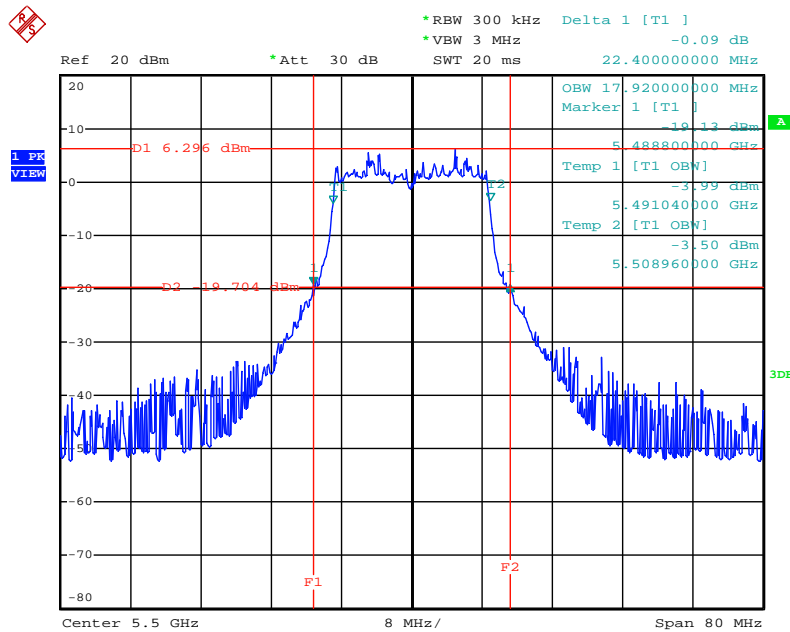
Date: 24.MAY.2013 22:10:44

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5320 MHz



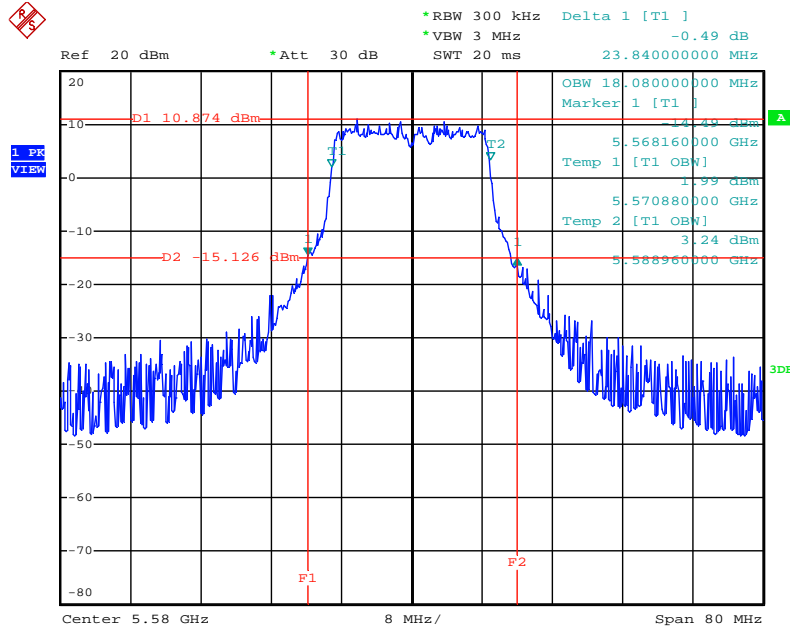
Date: 24.MAY.2013 22:17:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



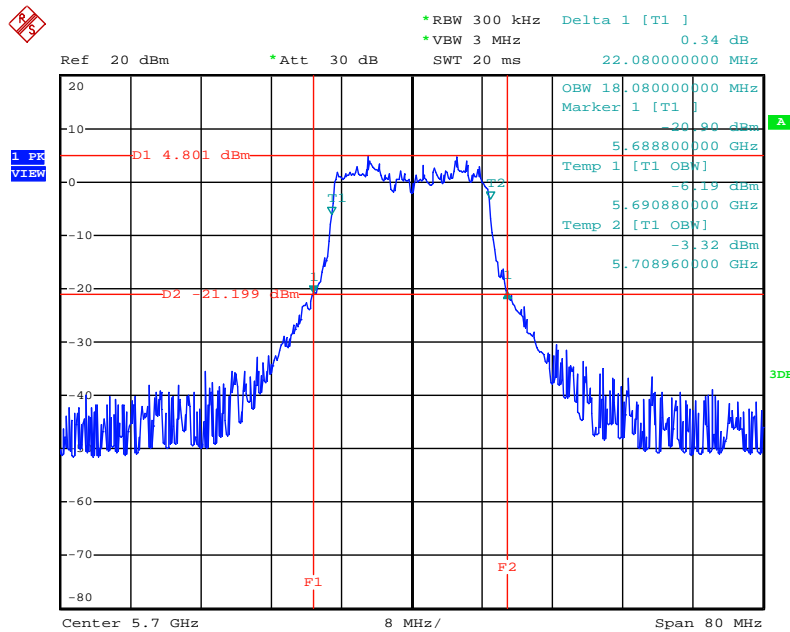
Date: 24.MAY.2013 22:21:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



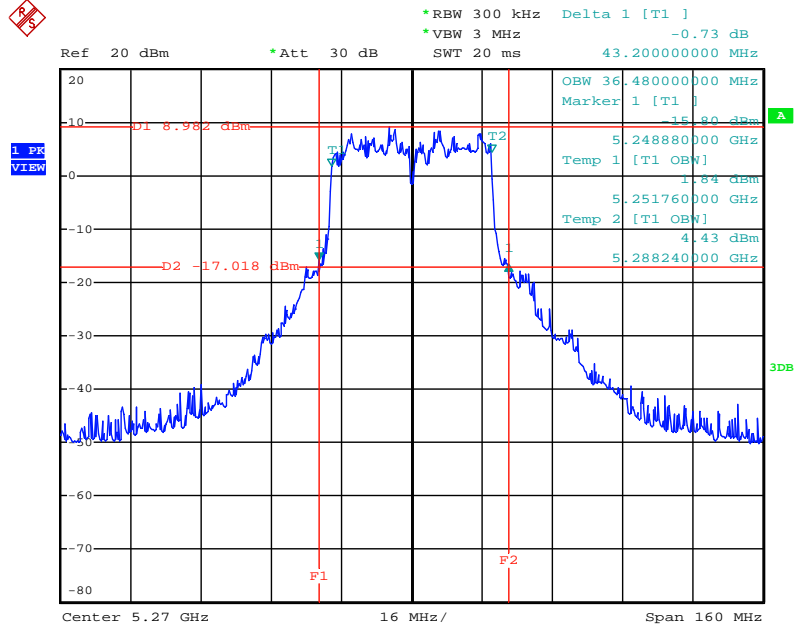
Date: 24.MAY.2013 22:23:09

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



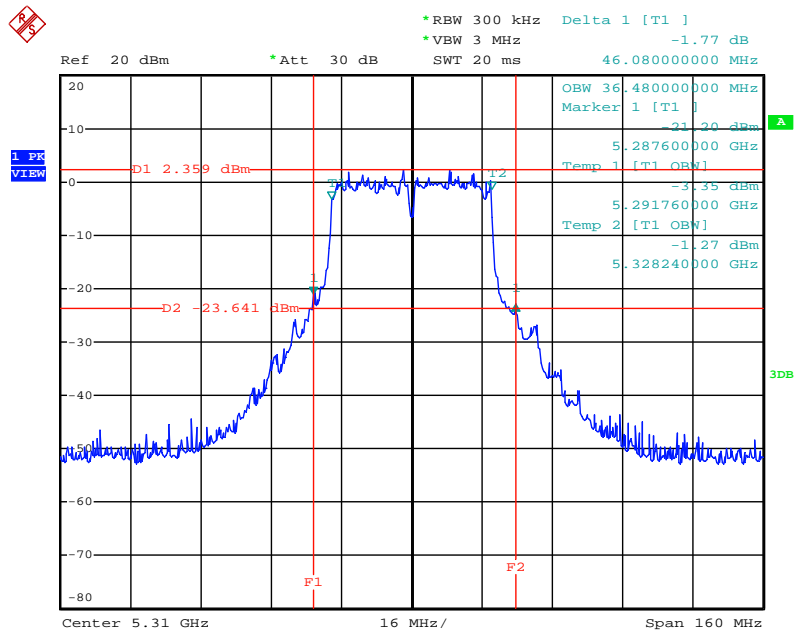
Date: 24.MAY.2013 22:24:53

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



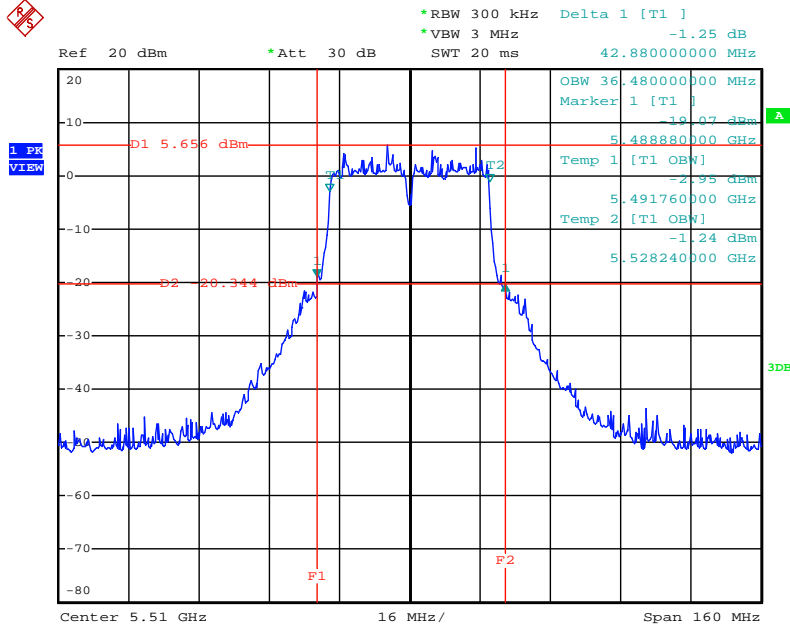
Date: 24.MAY.2013 22:34:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



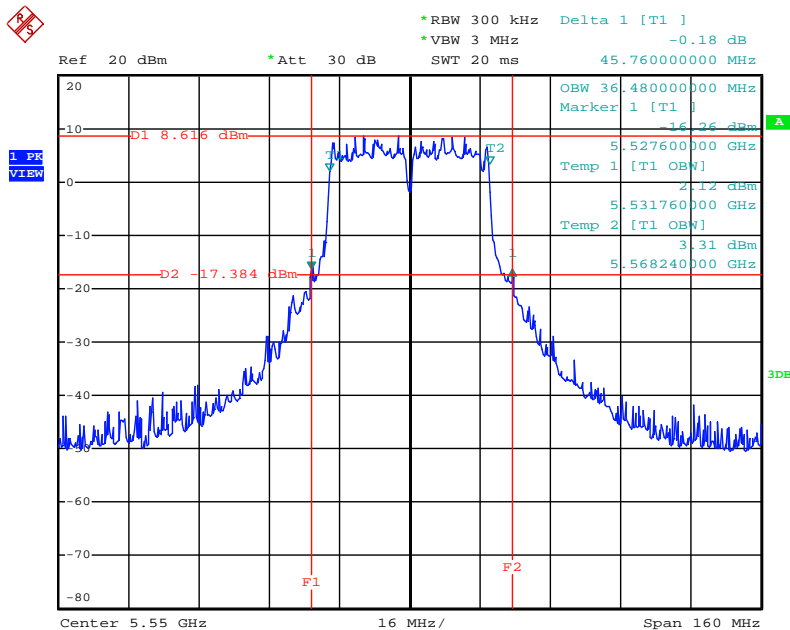
Date: 24.MAY.2013 22:37:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5510 MHz



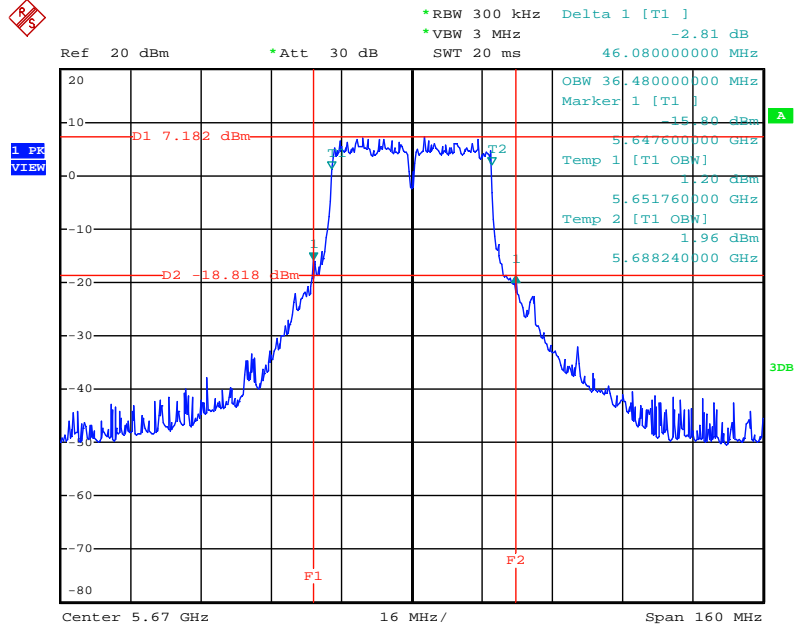
Date: 24.MAY.2013 22:31:49

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



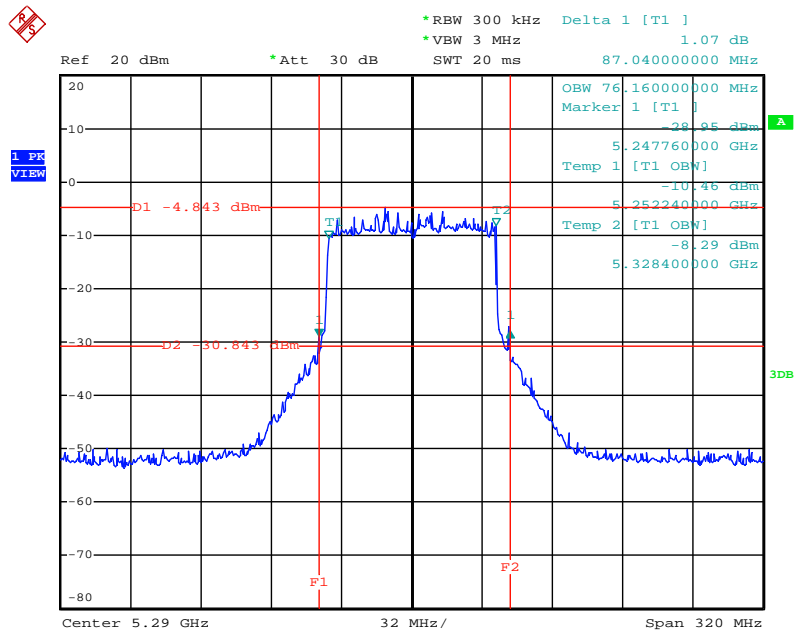
Date: 24.MAY.2013 22:29:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



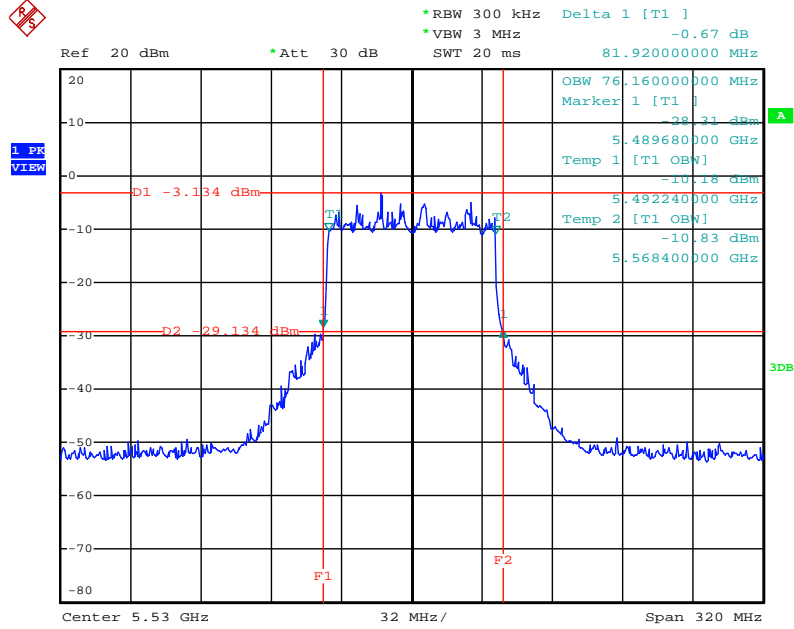
Date: 24.MAY.2013 22:27:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Date: 24.MAY.2013 22:39:54

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss3 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5530 MHz

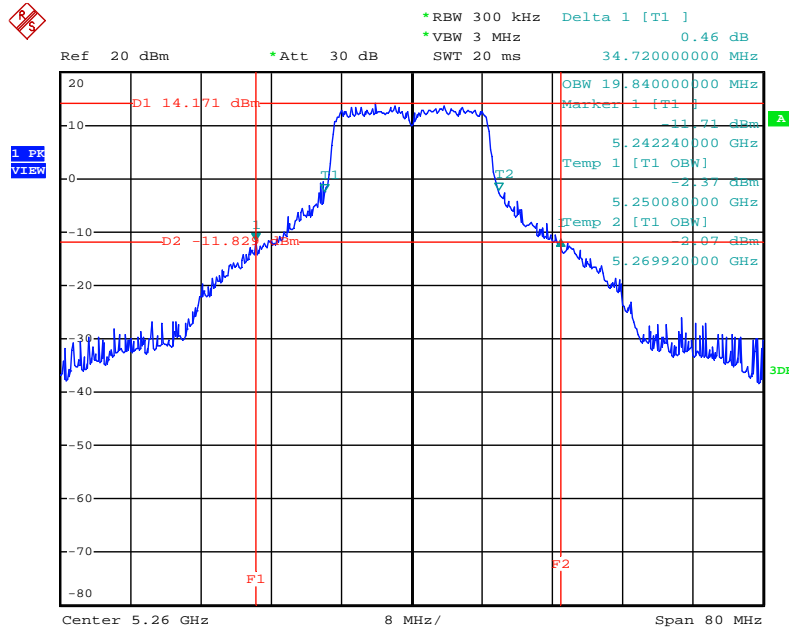


Date: 24.MAY.2013 22:43:35

Mode 5 (Ant.6 Facade antenna / 2.5dBi)

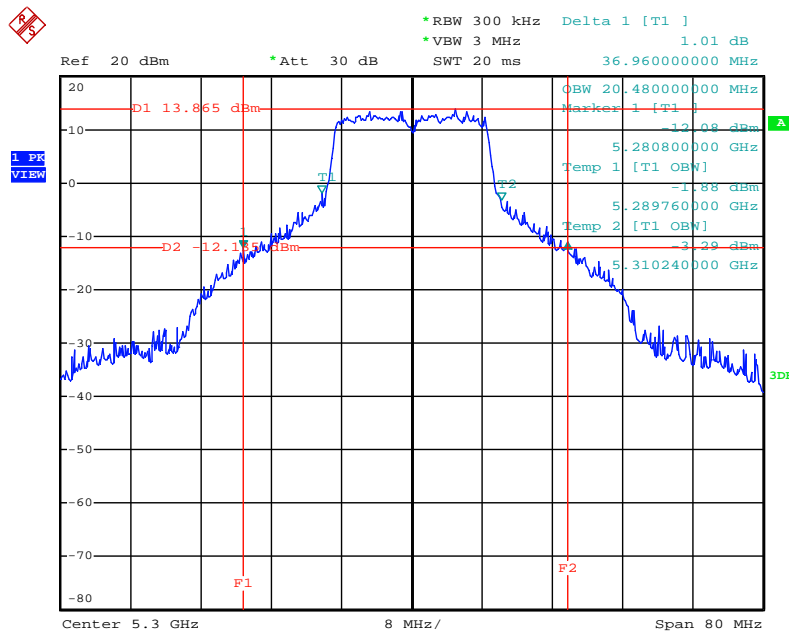
1TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



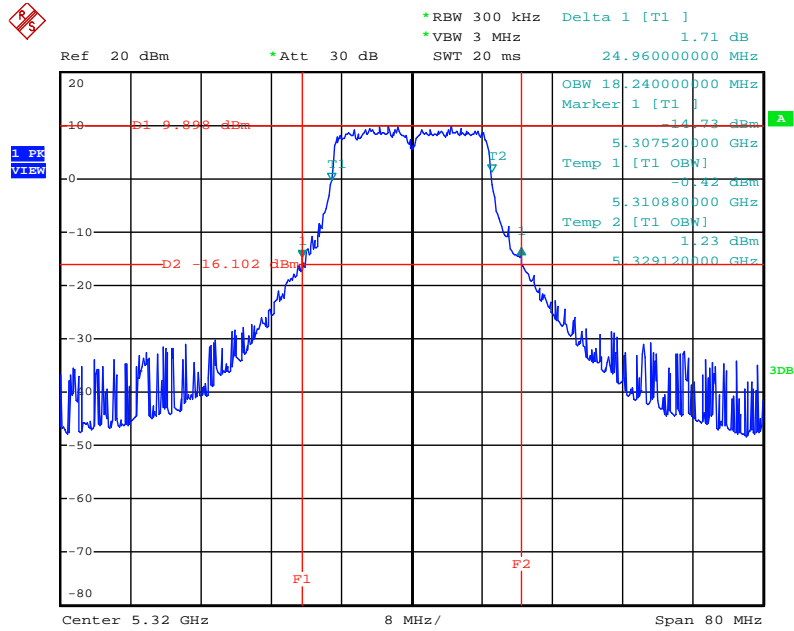
Date: 24.MAY.2013 12:56:32

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5300 MHz



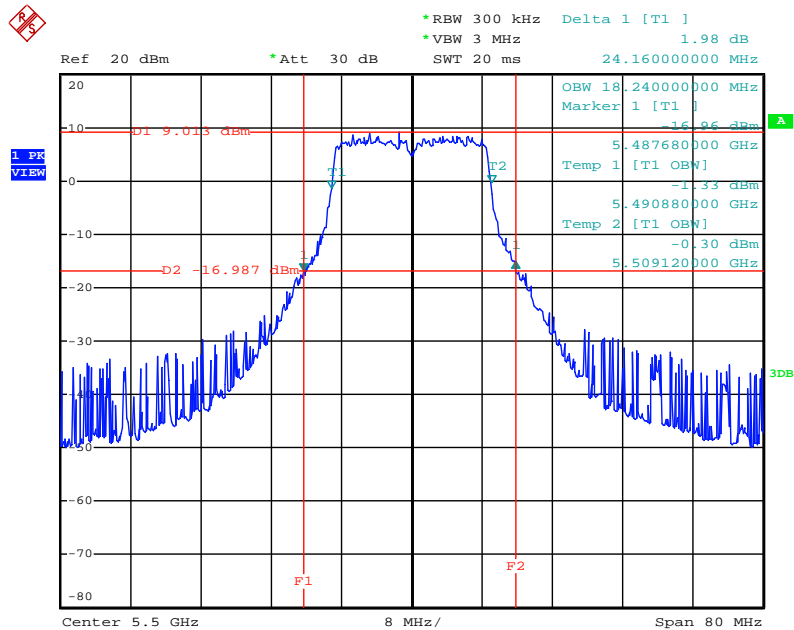
Date: 24.MAY.2013 12:59:12

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5320 MHz



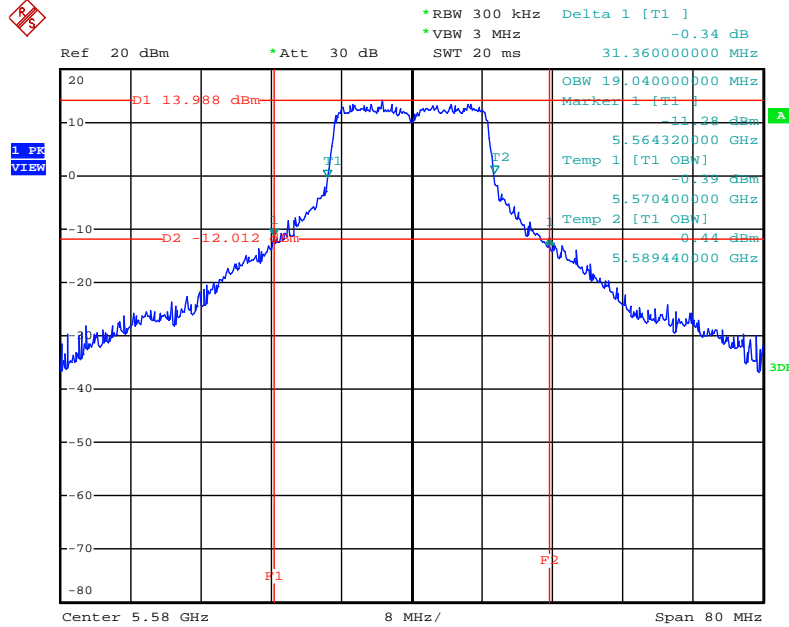
Date: 24.MAY.2013 13:02:27

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5500 MHz



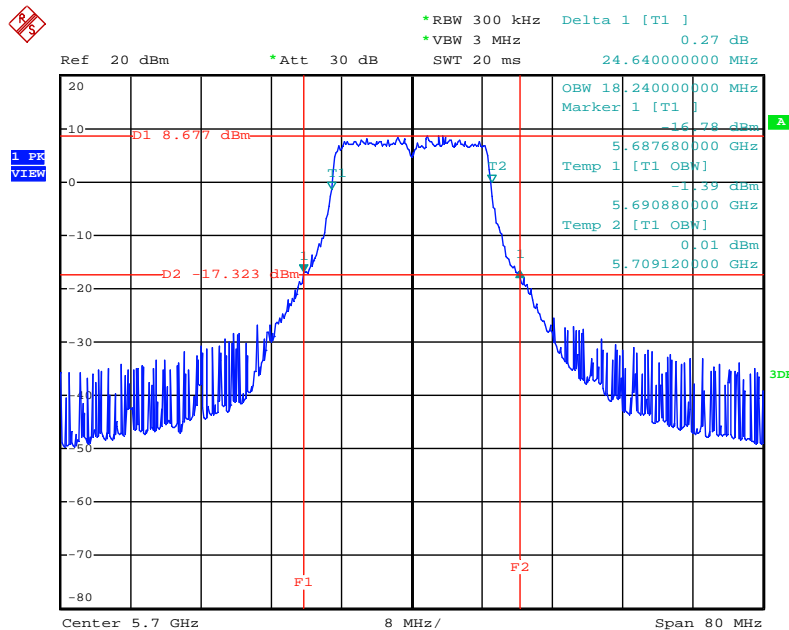
Date: 24.MAY.2013 13:03:17

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



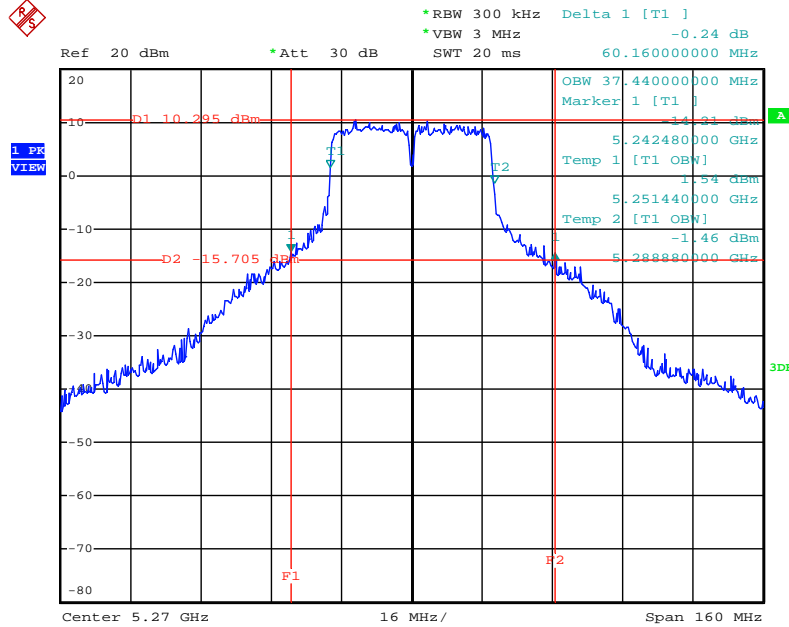
Date: 24.MAY.2013 13:05:45

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5700 MHz



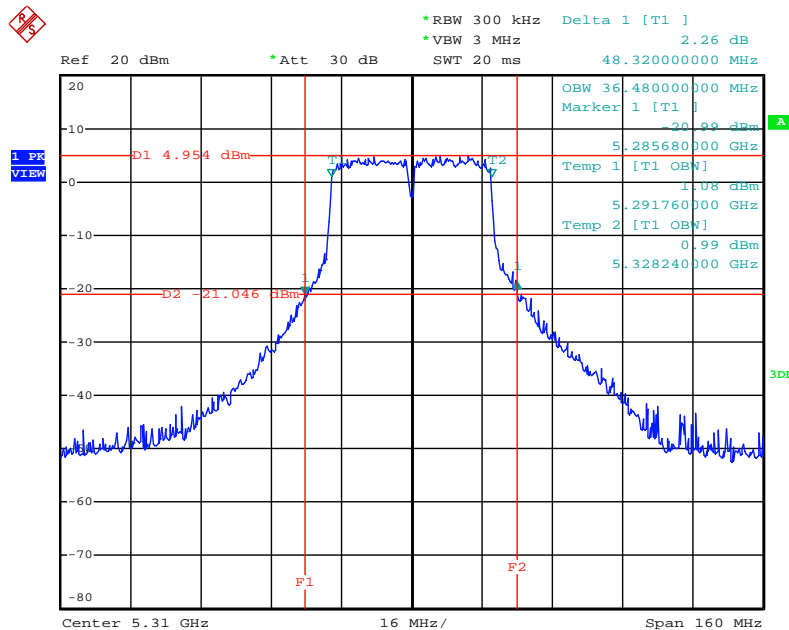
Date: 24.MAY.2013 13:06:53

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz



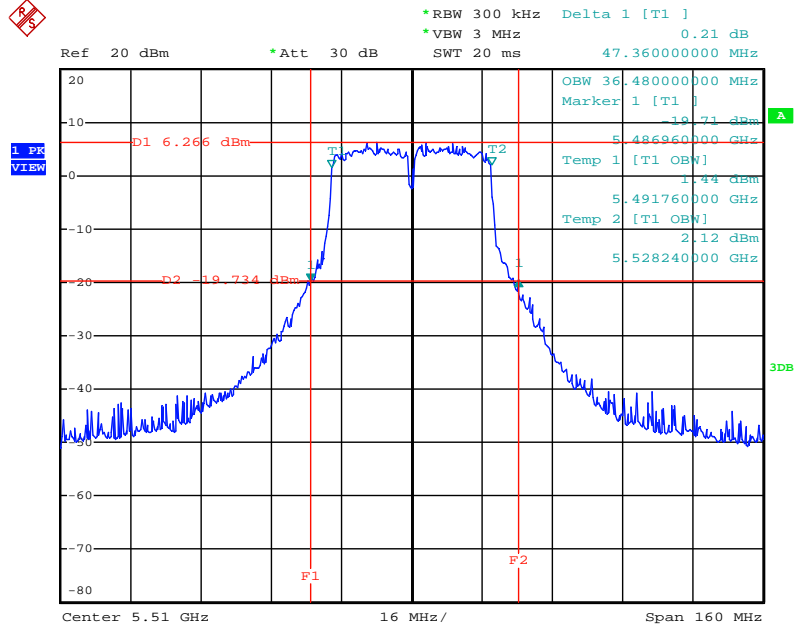
Date: 24.MAY.2013 13:22:26

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5310 MHz



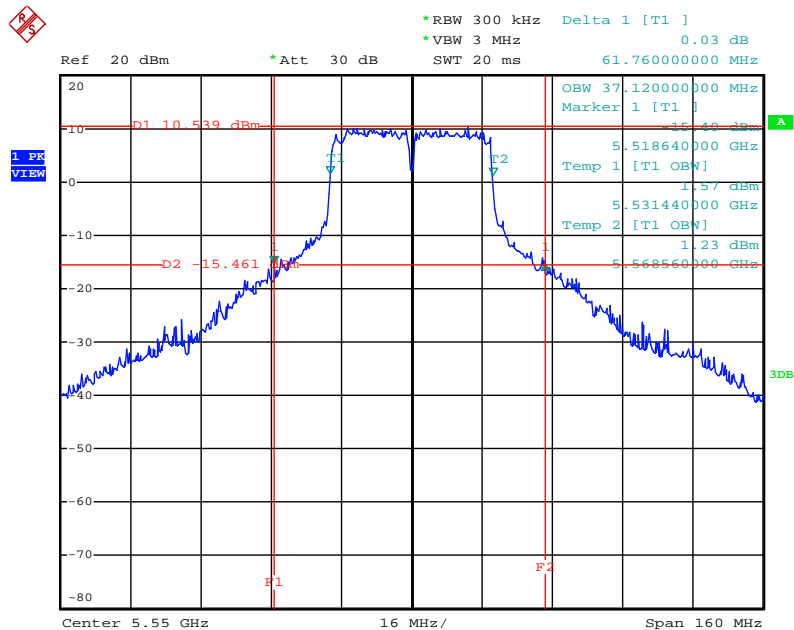
Date: 24.MAY.2013 13:23:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5510 MHz



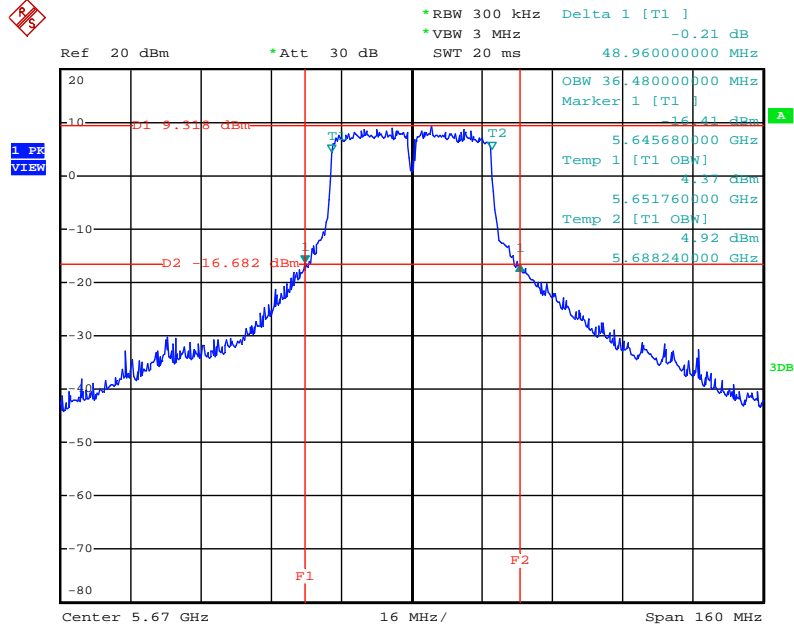
Date: 24.MAY.2013 13:19:30

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5550 MHz



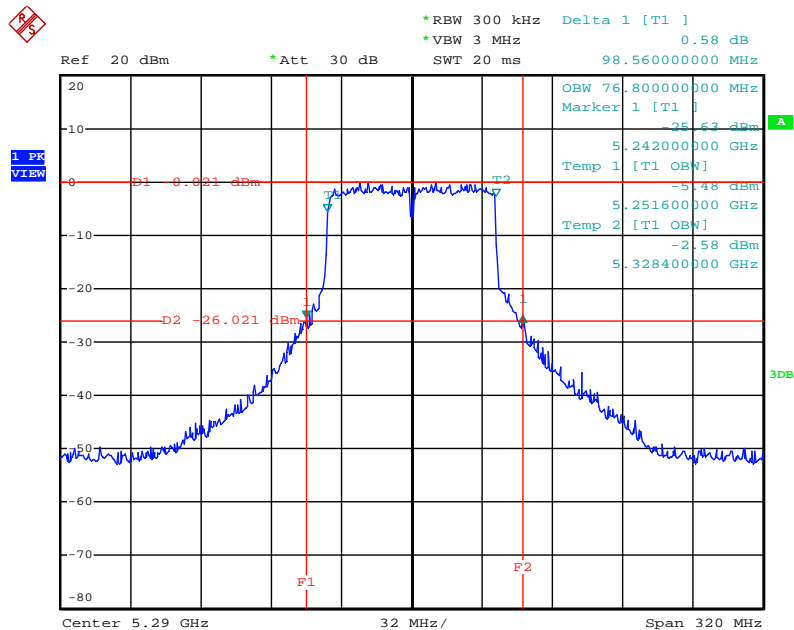
Date: 24.MAY.2013 13:18:21

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5670 MHz



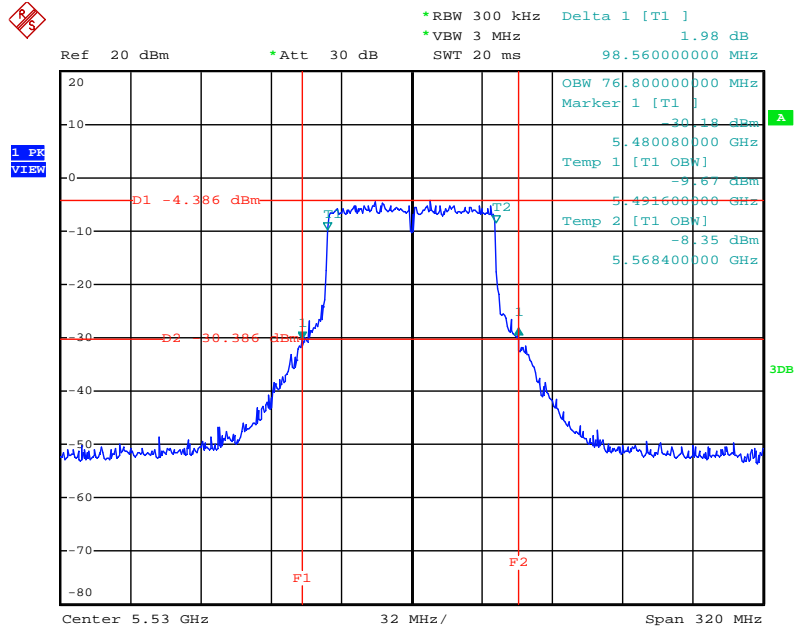
Date: 24.MAY.2013 13:15:49

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5290 MHz



Date: 24.MAY.2013 13:26:52

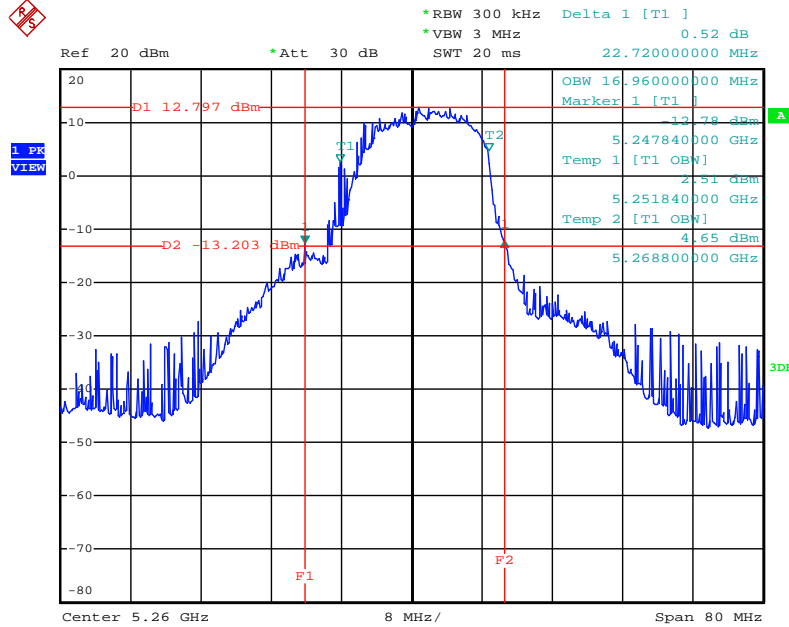
26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5530 MHz



Date: 24.MAY.2013 13:33:42

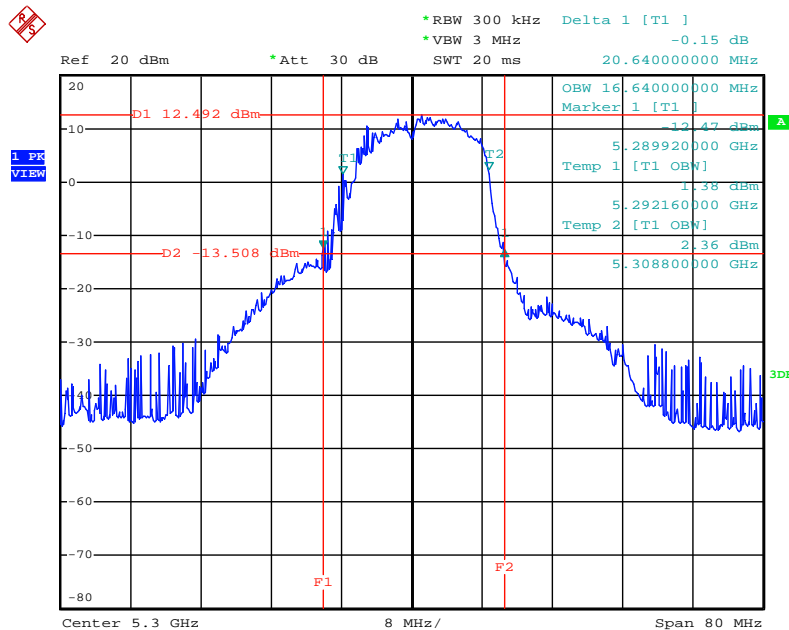
2TX

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



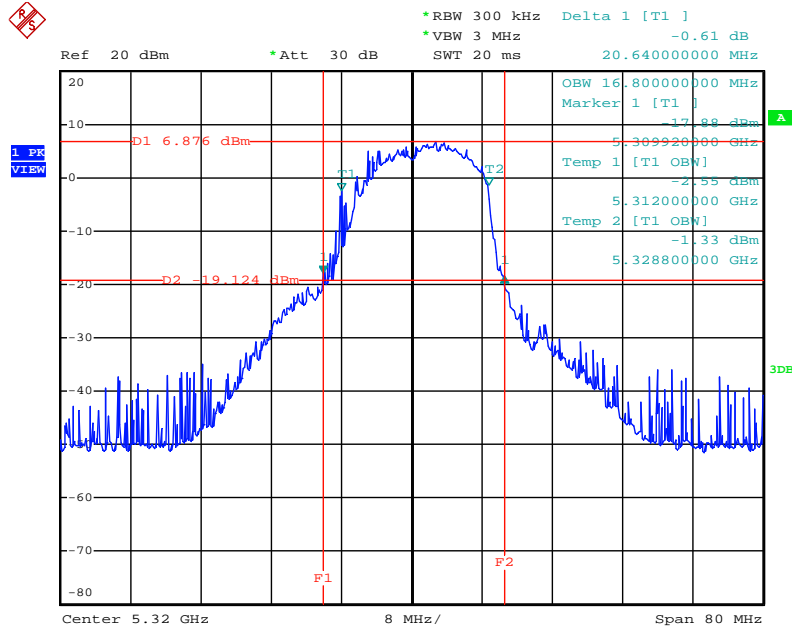
Date: 24.MAY.2013 14:37:25

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



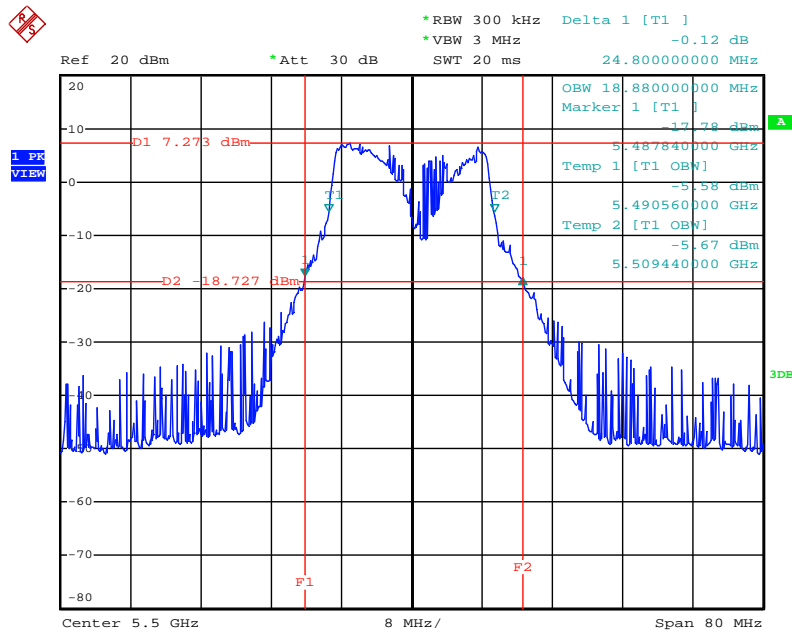
Date: 24.MAY.2013 14:42:13

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



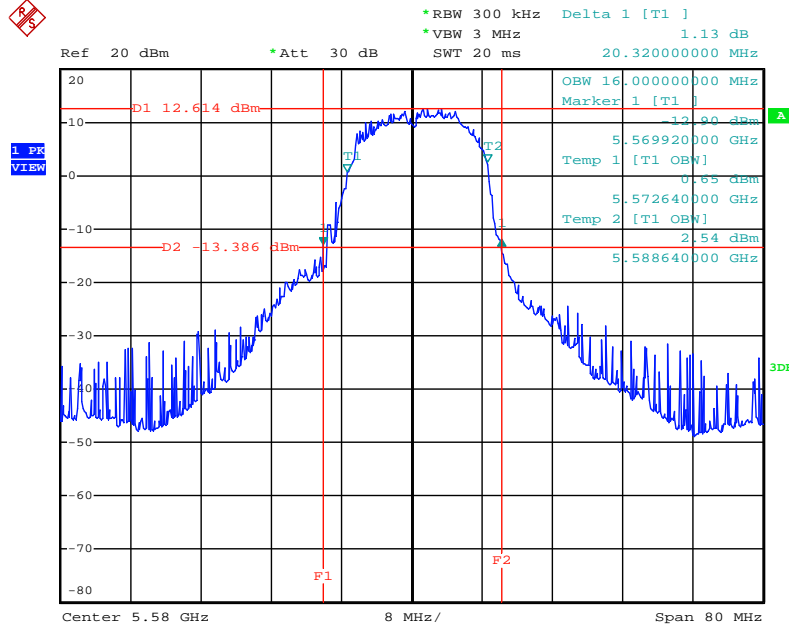
Date: 24.MAY.2013 14:43:40

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



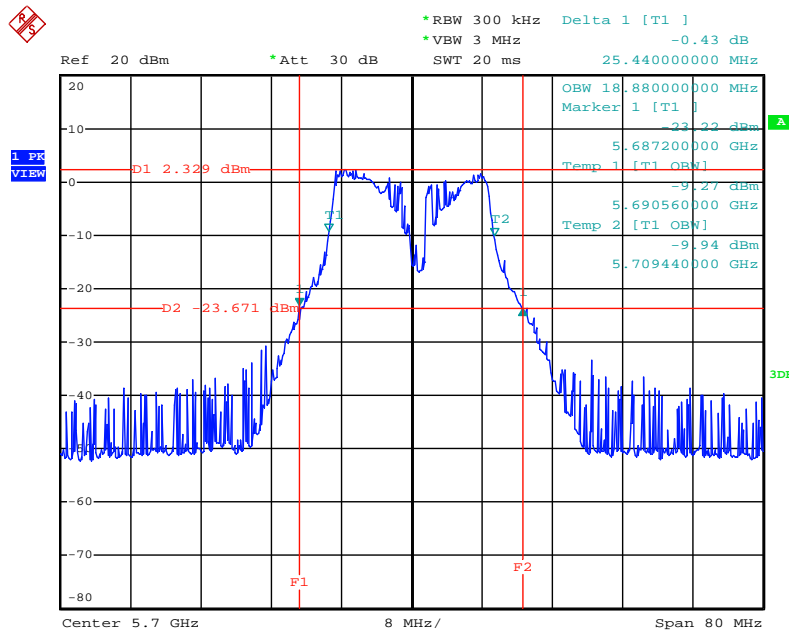
Date: 24.MAY.2013 14:48:58

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



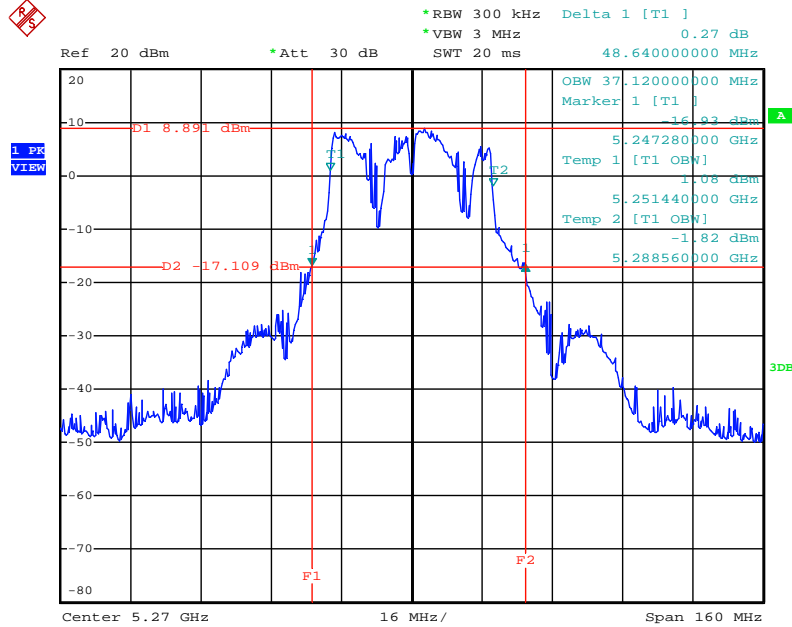
Date: 24.MAY.2013 14:50:10

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5700 MHz



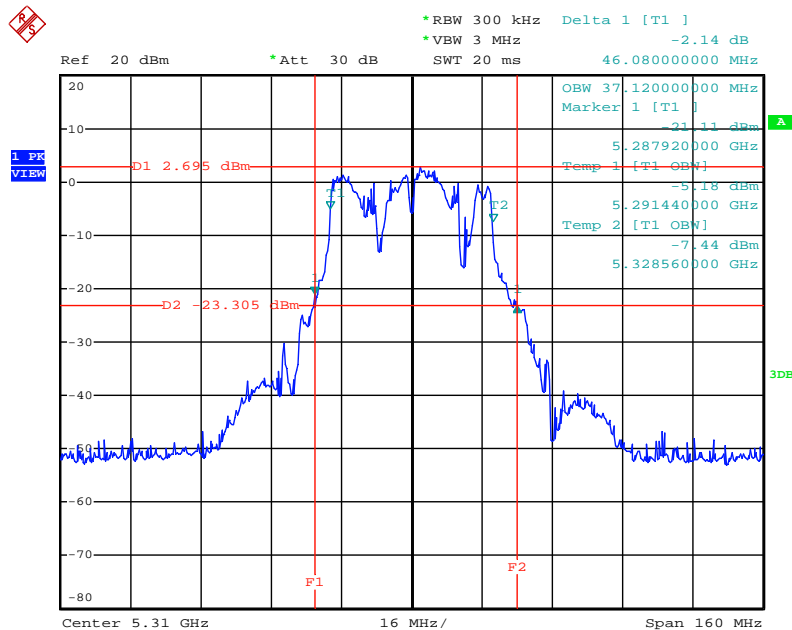
Date: 24.MAY.2013 14:53:37

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz



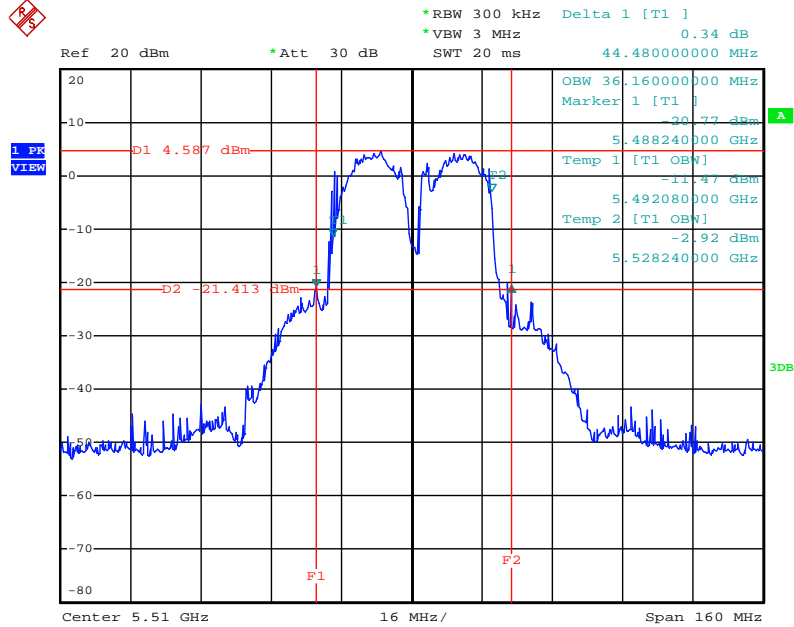
Date: 24.MAY.2013 15:09:51

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5310 MHz



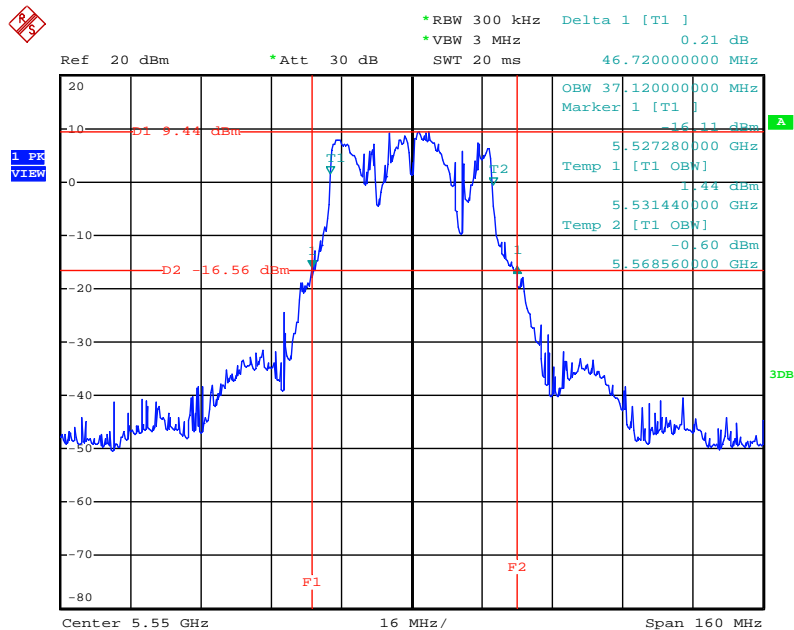
Date: 24.MAY.2013 15:11:15

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



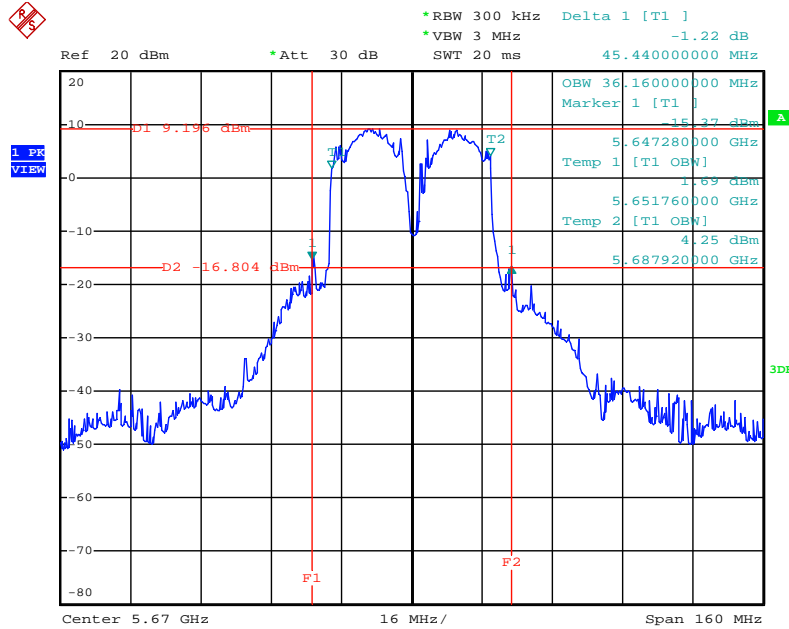
Date: 24.MAY.2013 15:04:04

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



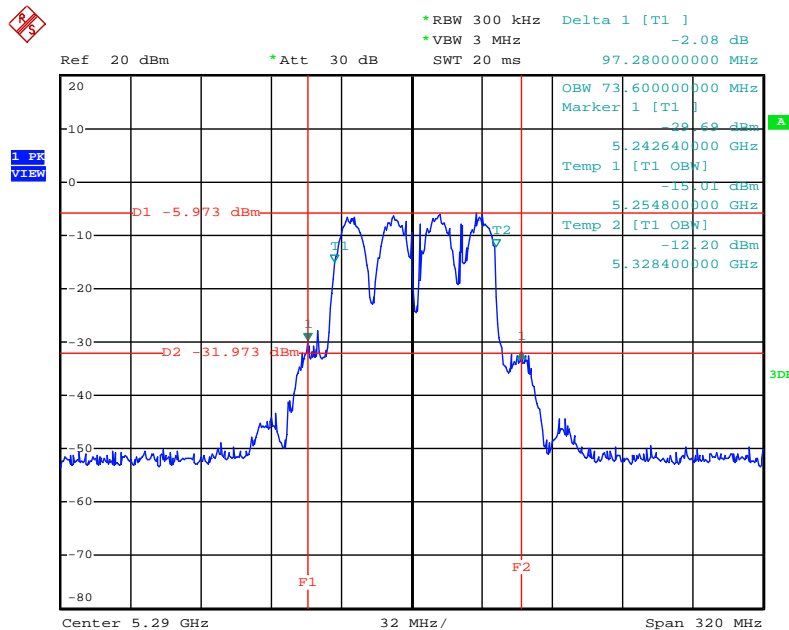
Date: 24.MAY.2013 15:04:39

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5670 MHz



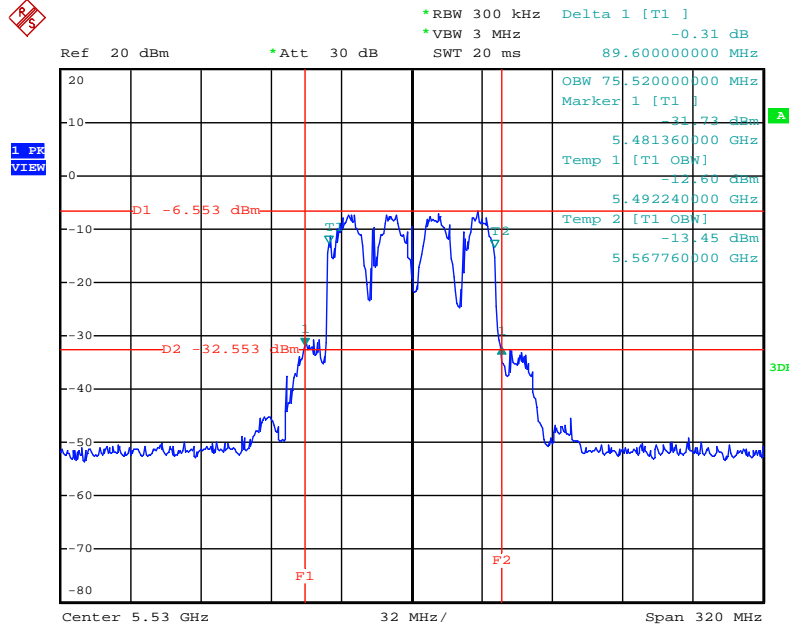
Date: 24.MAY.2013 14:59:46

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



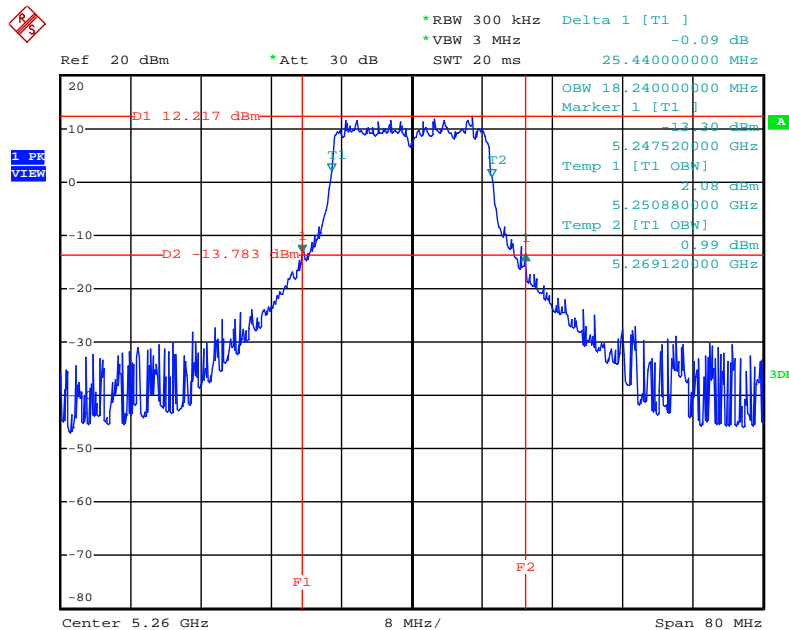
Date: 24.MAY.2013 15:18:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5530 MHz



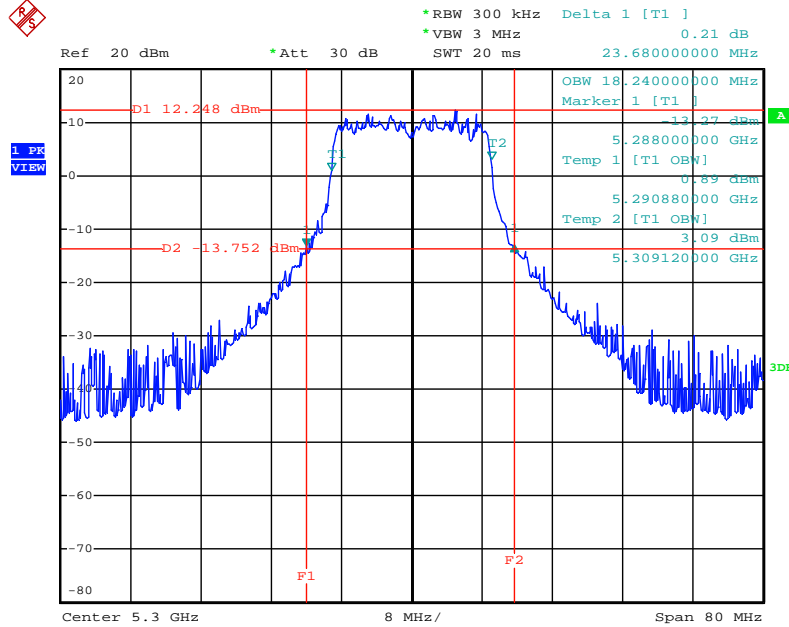
Date: 24.MAY.2013 15:22:55

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5260 MHz



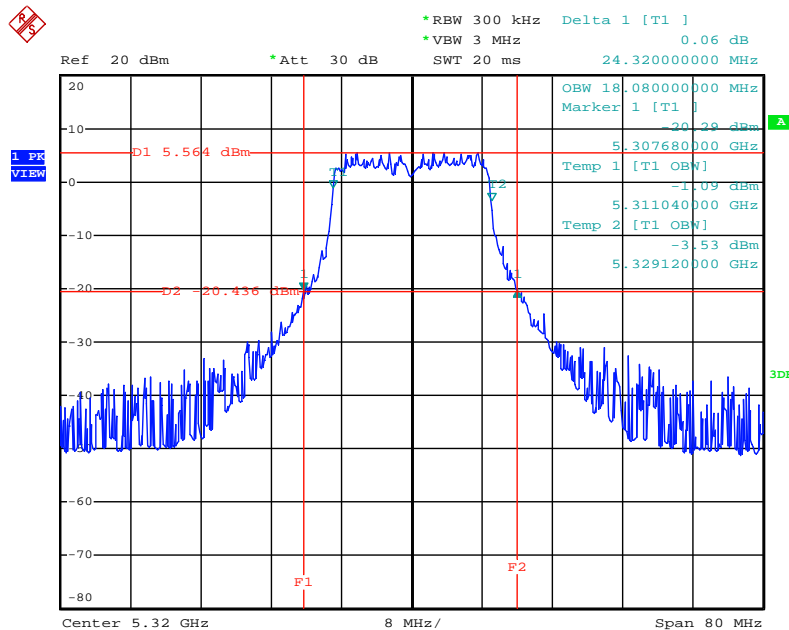
Date: 24.MAY.2013 17:02:47

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5300 MHz



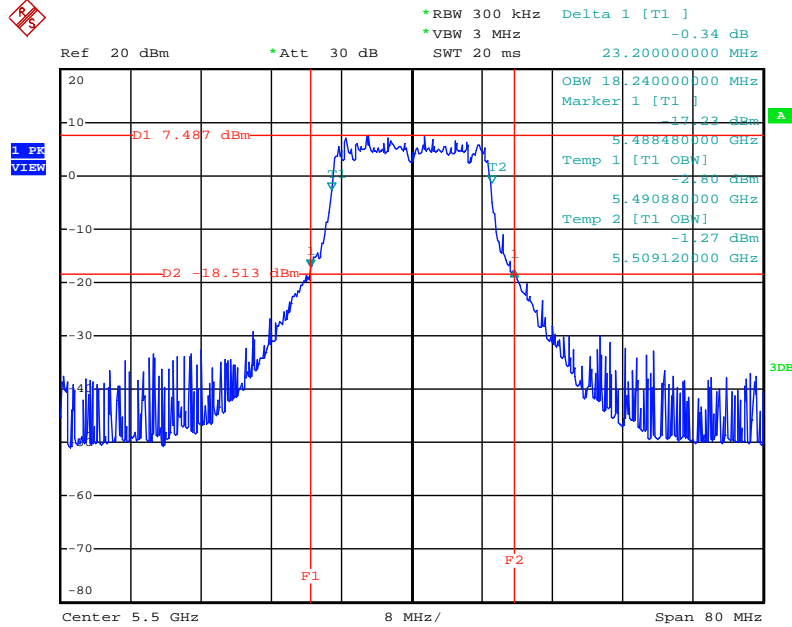
Date: 24.MAY.2013 17:06:48

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5320 MHz



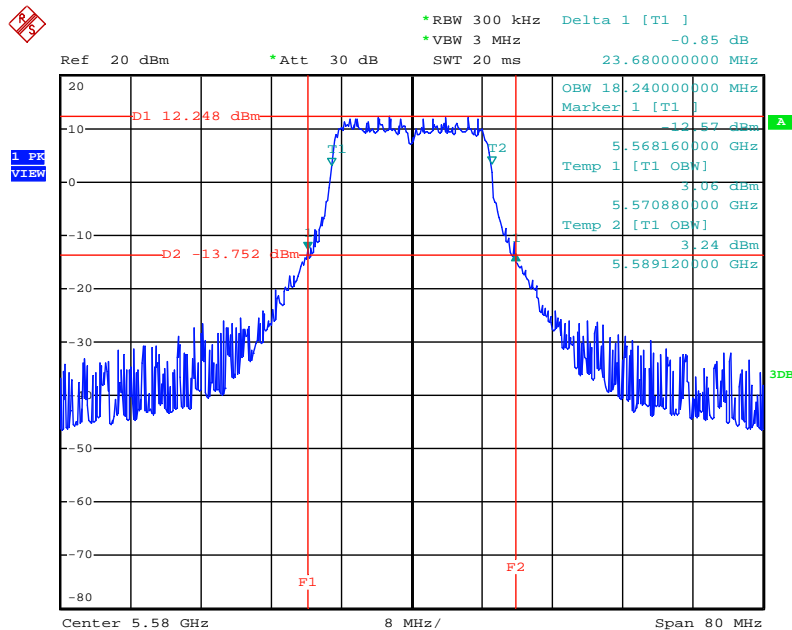
Date: 24.MAY.2013 17:11:35

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5500 MHz



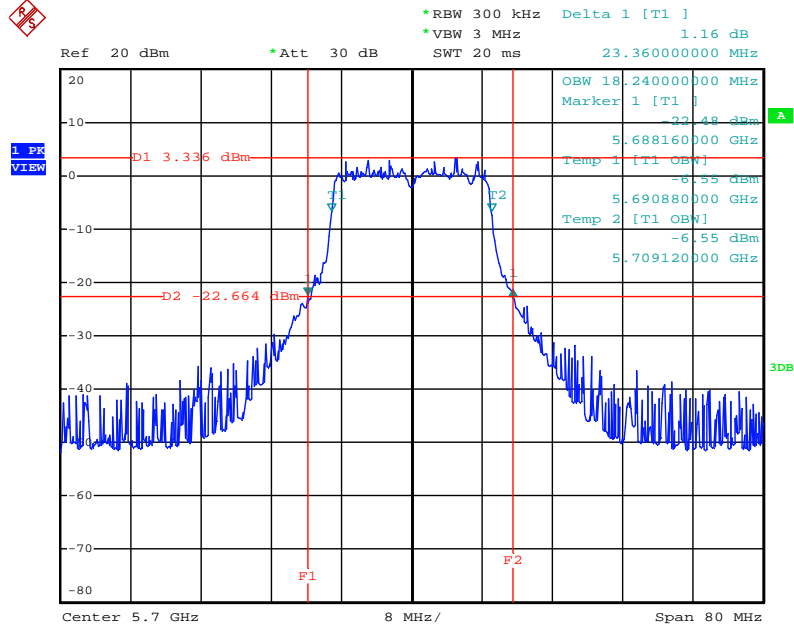
Date: 24.MAY.2013 16:54:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5580 MHz



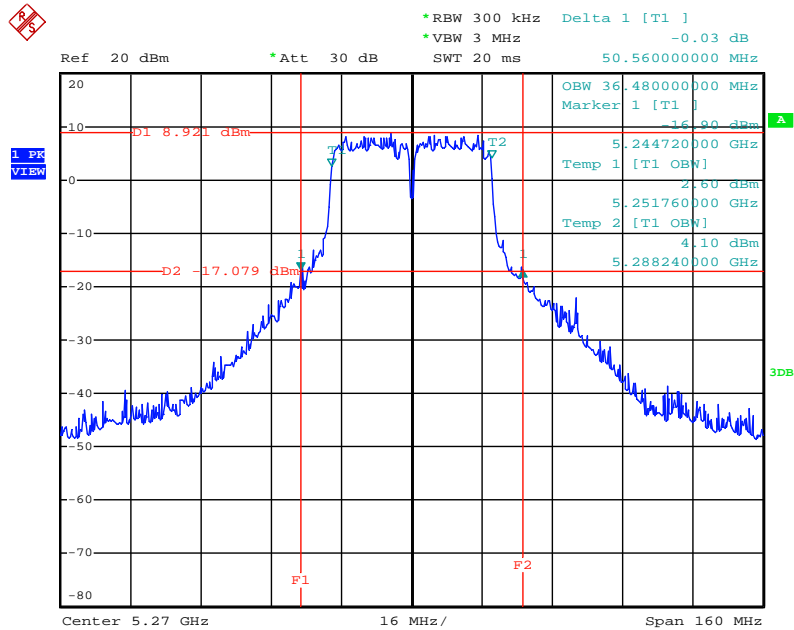
Date: 24.MAY.2013 16:58:06

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT20 / Chain 1 + Chain 2 / 5700 MHz



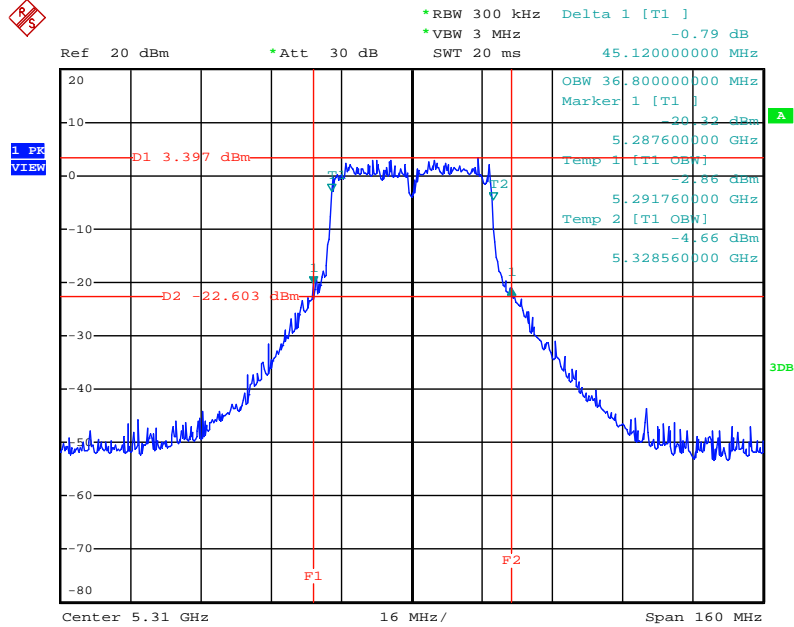
Date: 24.MAY.2013 16:59:33

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5270 MHz



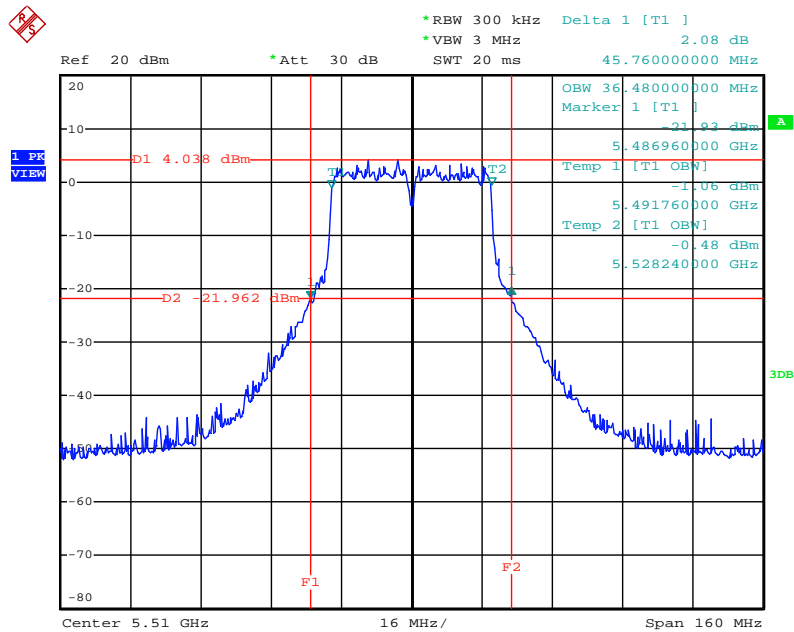
Date: 24.MAY.2013 15:47:43

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5310 MHz



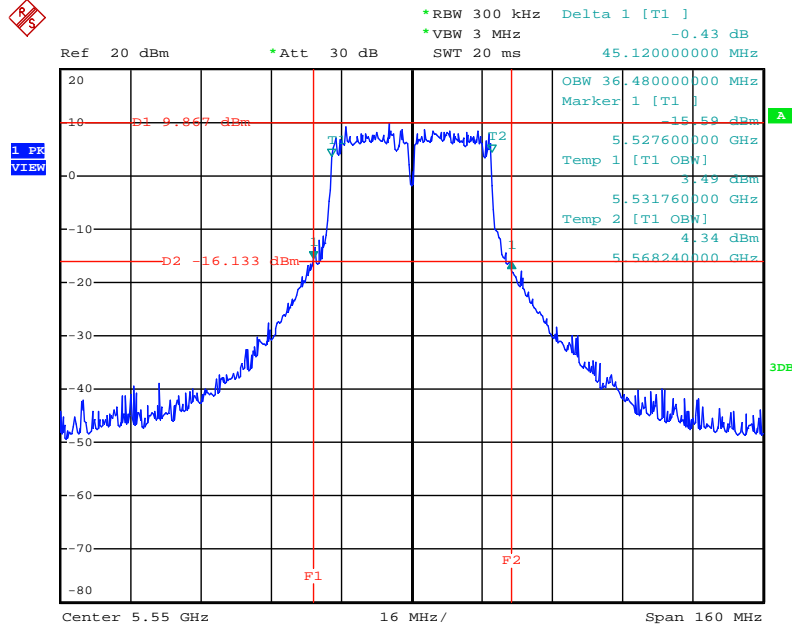
Date: 24.MAY.2013 15:50:31

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5510 MHz



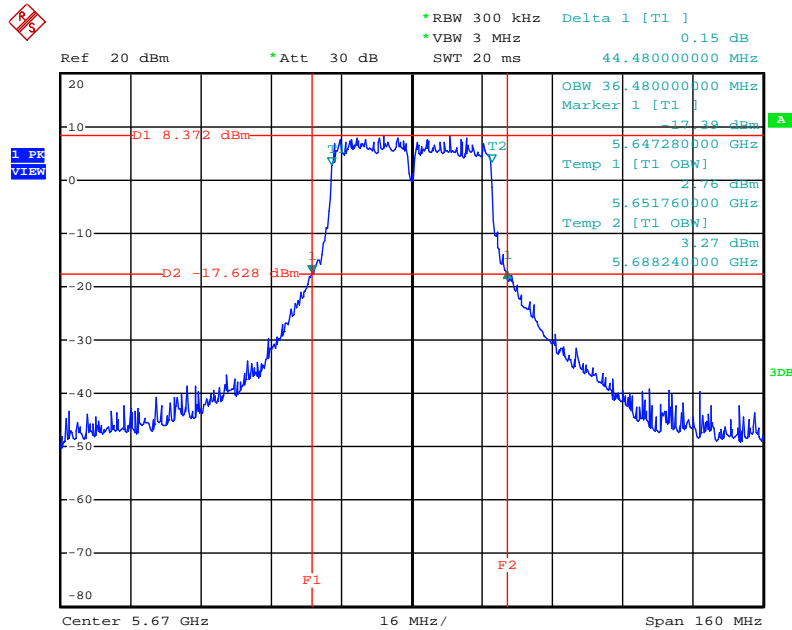
Date: 24.MAY.2013 15:54:20

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Date: 24.MAY.2013 15:56:41

26dB Bandwidth & 99% Occupied Bandwidth Plot on Configuration IEEE 802.11ac MCS0/Nss2 VHT40 / Chain 1 + Chain 2 / 5670 MHz



Date: 24.MAY.2013 15:57:06