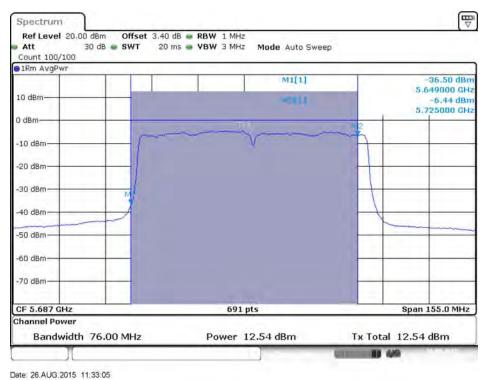
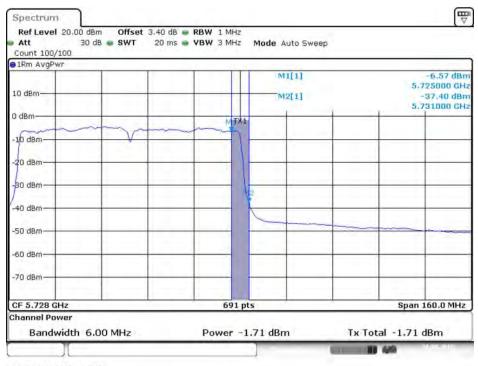


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)



Date: 26.AUG:2015 11:33:08

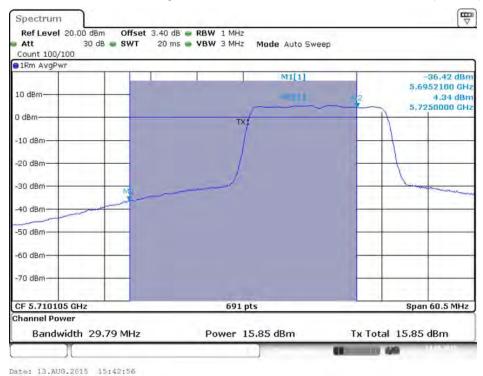
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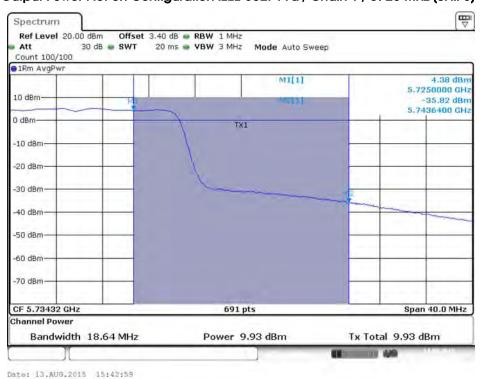


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)



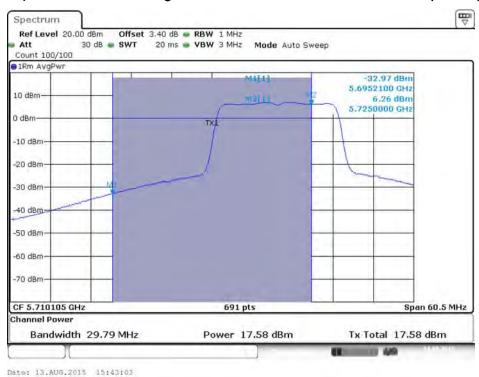
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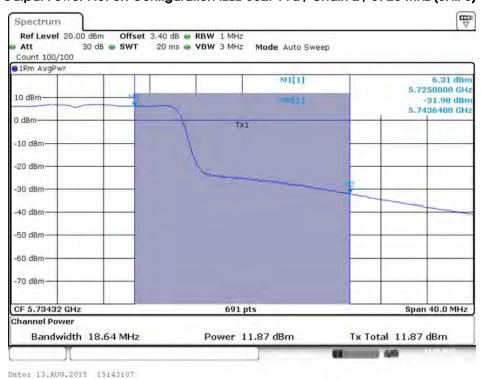
 FCC ID: UZ7AP7532
 Issued Date
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Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



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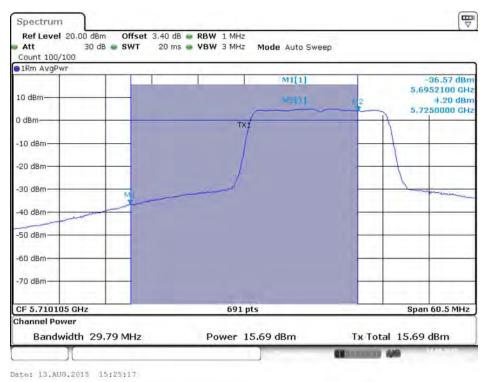


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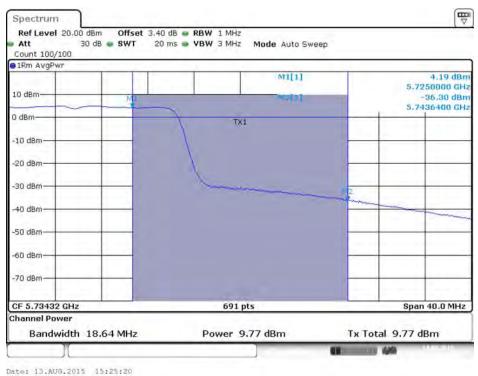




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



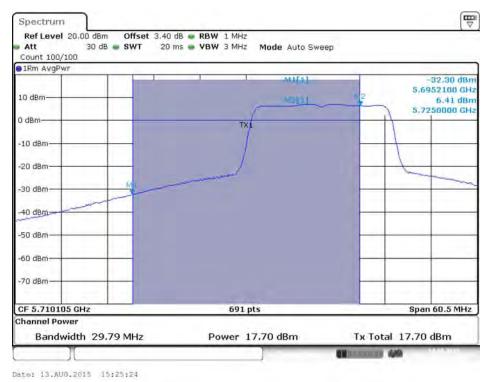
Report Format Version: Rev. 01

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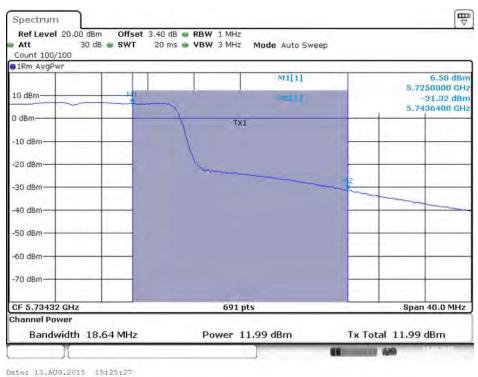
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



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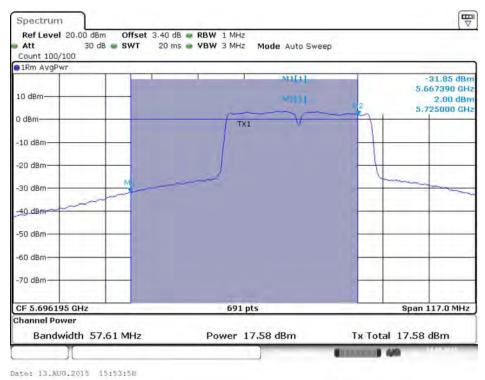
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 FCC ID: UZ7AP7532
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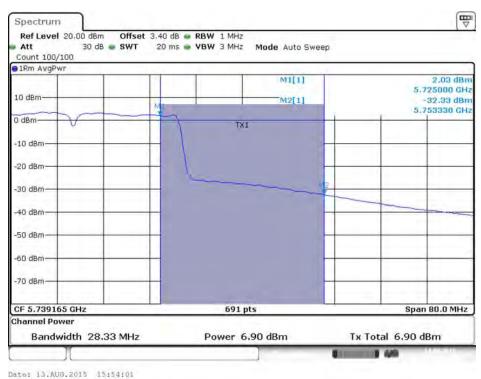




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



Report Format Version: Rev. 01

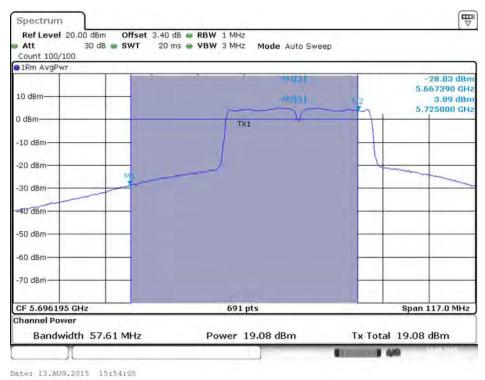
FCC ID: UZ7AP7532

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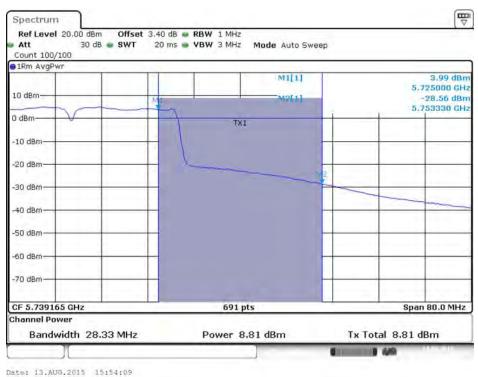




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



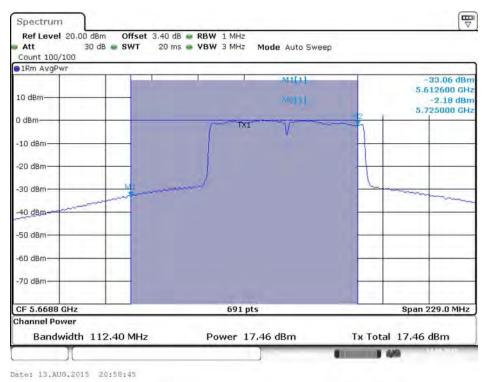
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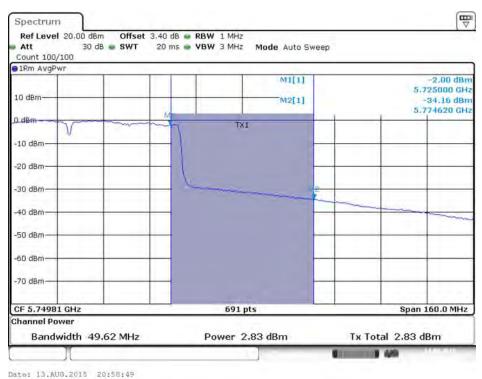




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



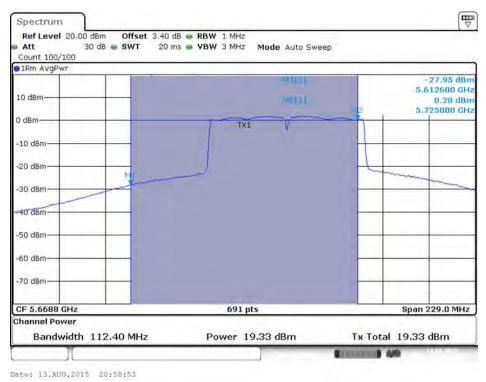
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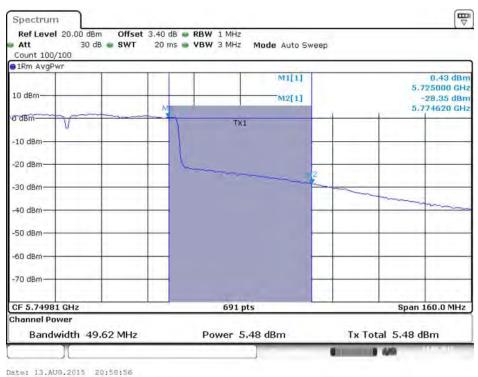




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



Report Format Version: Rev. 01

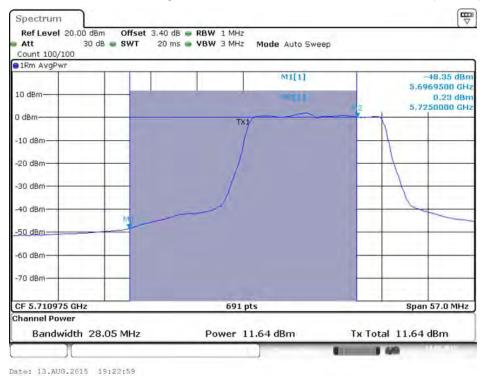
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 FCC ID: UZ7AP7532
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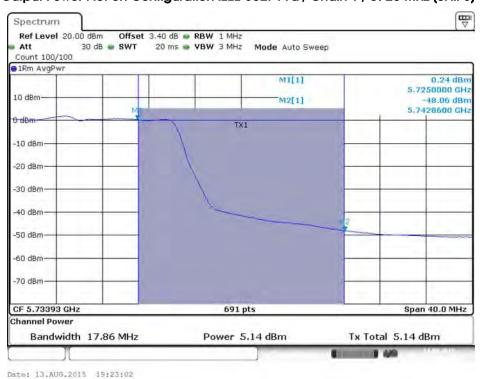


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 1 / 5720 MHz (UNII 3)

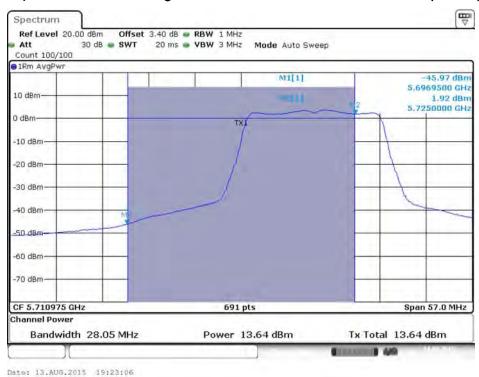


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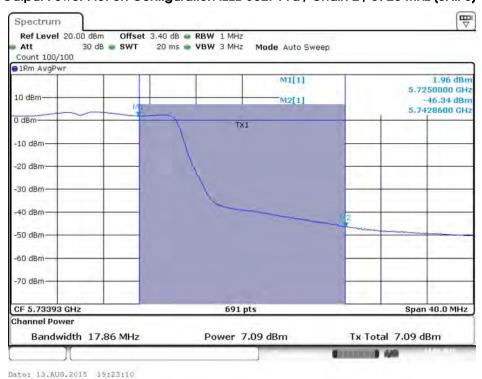
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 Issued Date
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Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 2 / 5720 MHz (UNII 3)



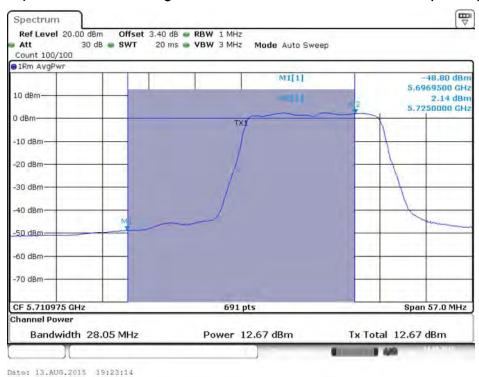
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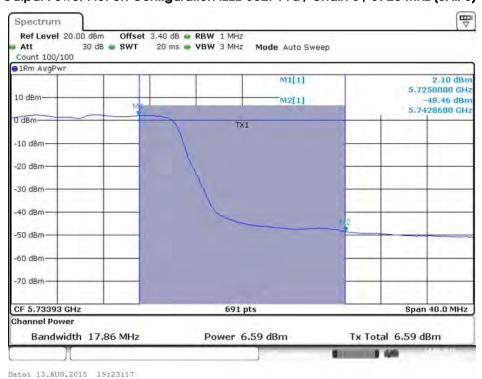
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Conducted Output Power Plot on Configuration IEEE 802.11a / Chain 3 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802. 11a / Chain 3 / 5720 MHz (UNII 3)

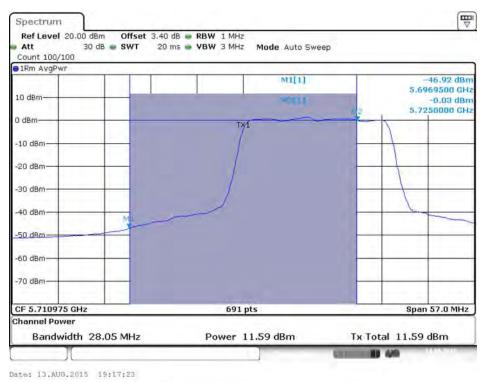


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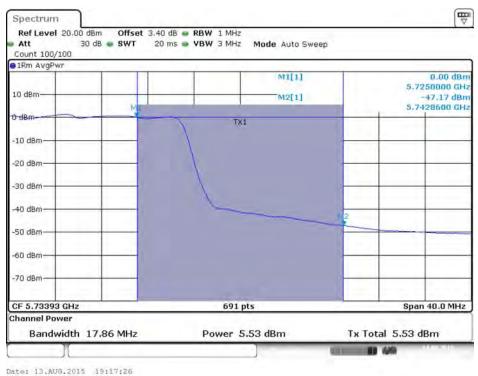
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 Issued Date
 : Oct. 08, 2015



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



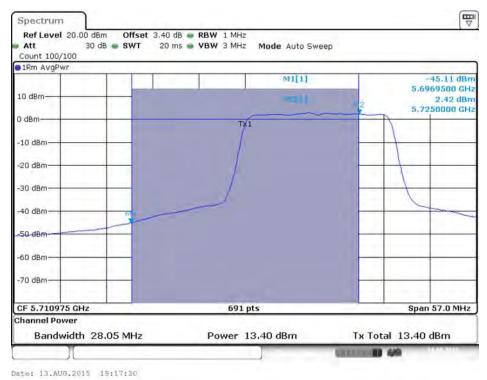
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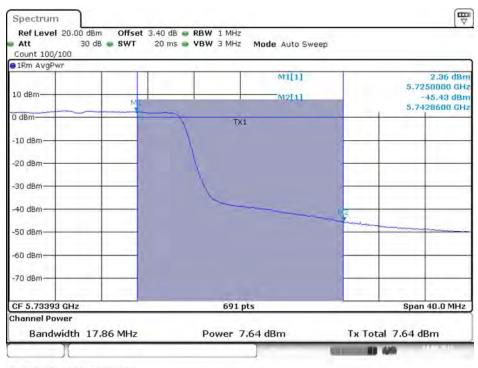
 FCC ID: UZ7AP7532
 Issued Date
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



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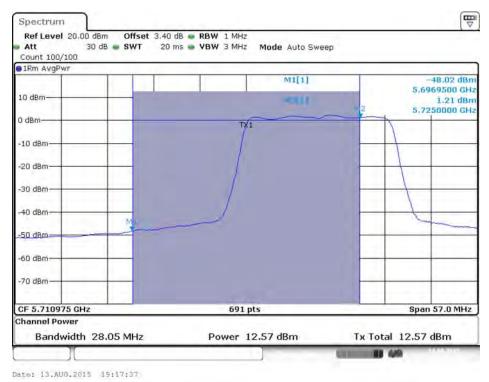
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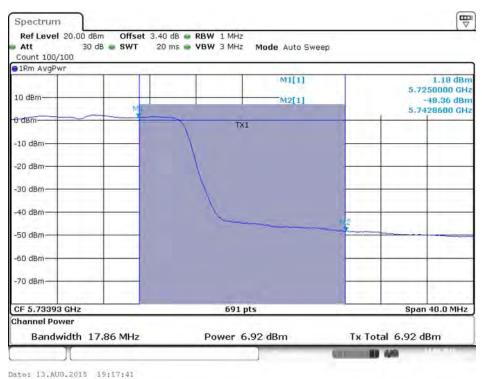




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)

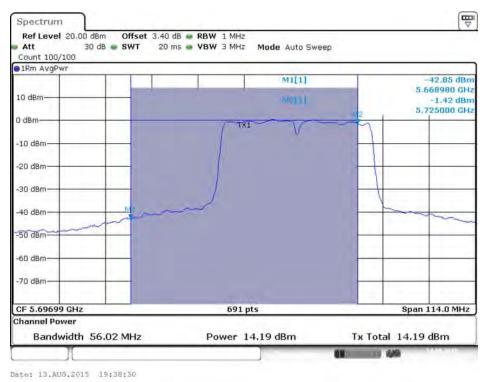


Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)

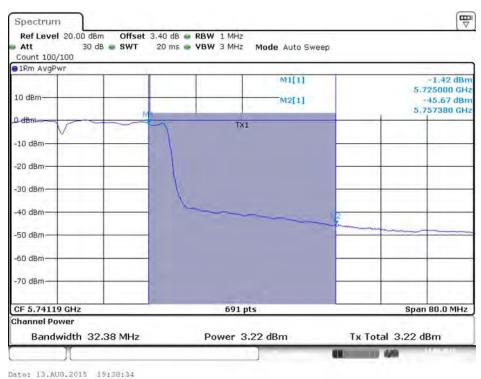




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



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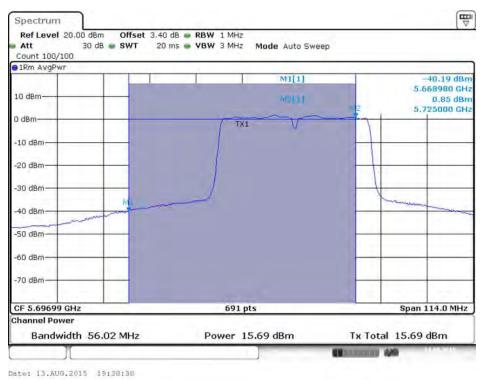
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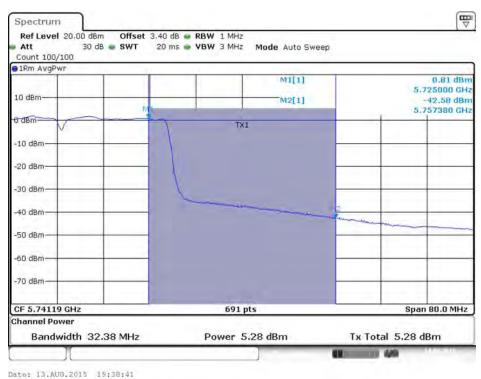




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



Report Format Version: Rev. 01

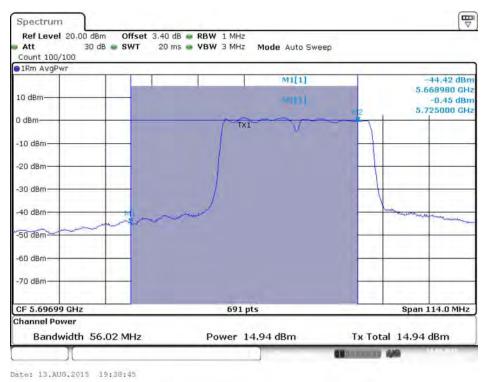
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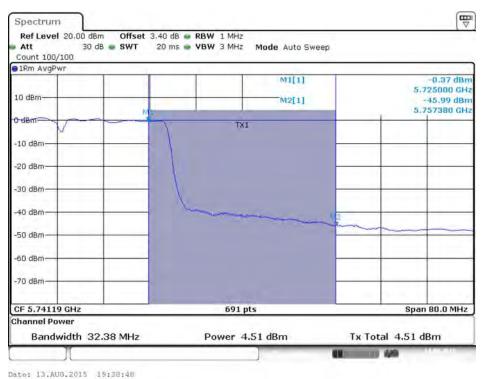
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



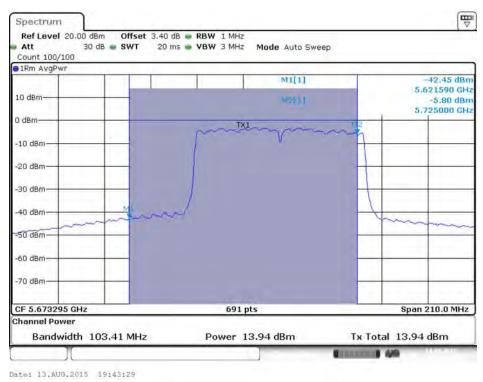
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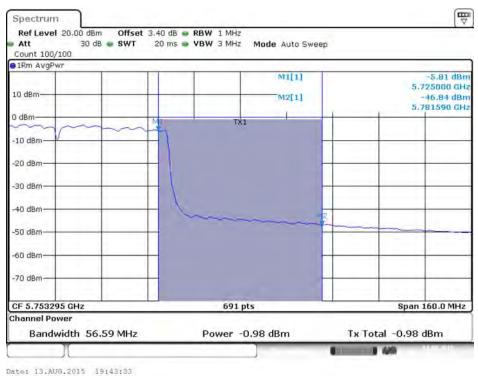
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)

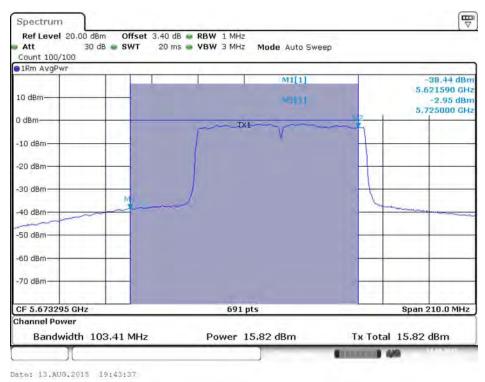


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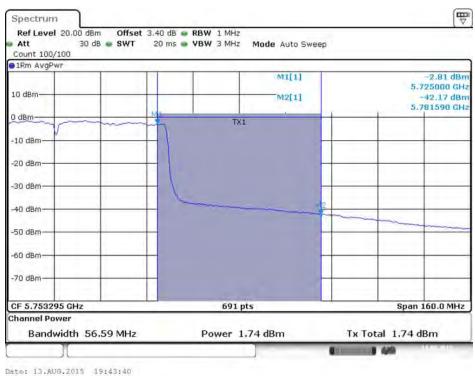
 FCC ID: UZ7AP7532
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



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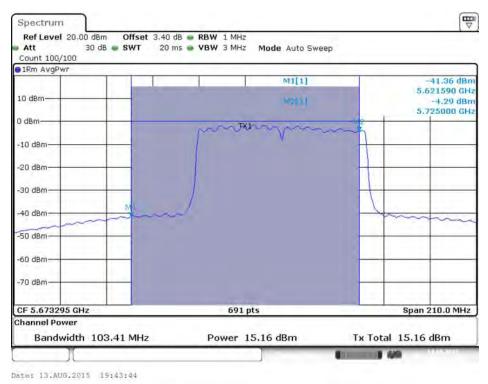


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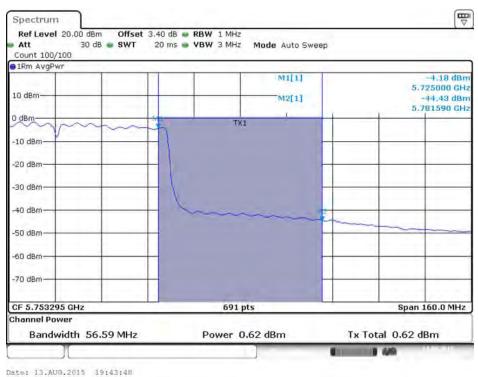
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)



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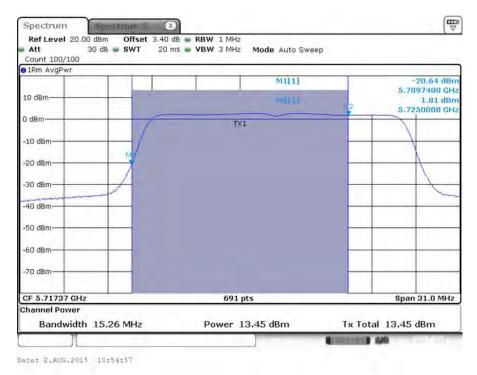


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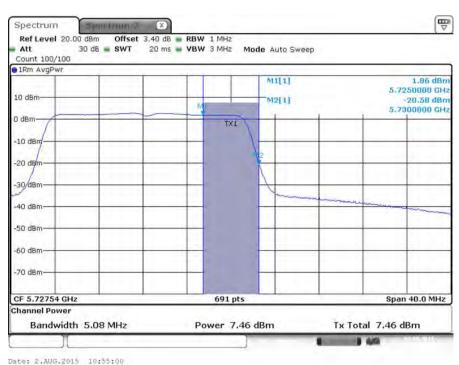
Straddle Channel: indoor / outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



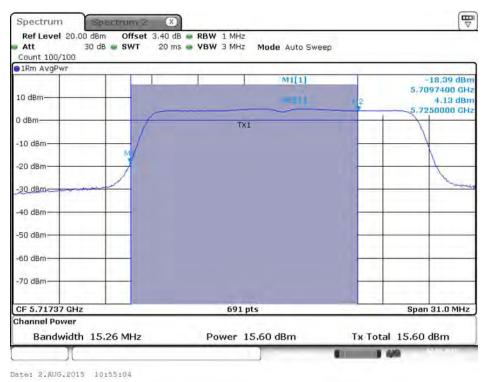
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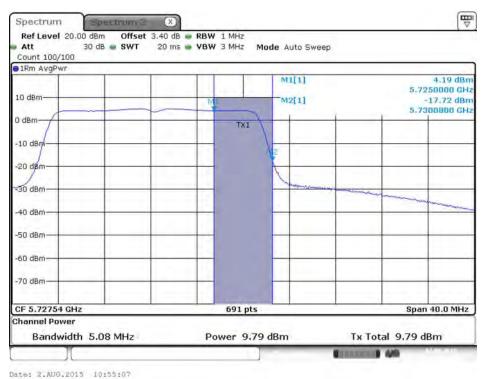




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)

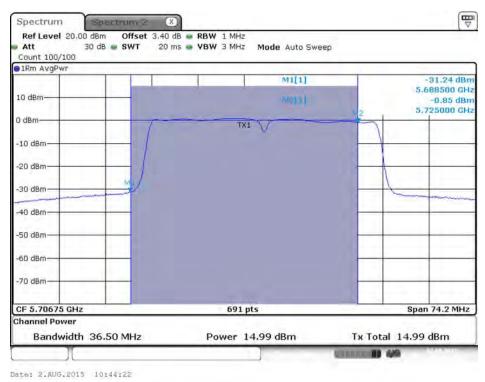


Report Format Version: Rev. 01

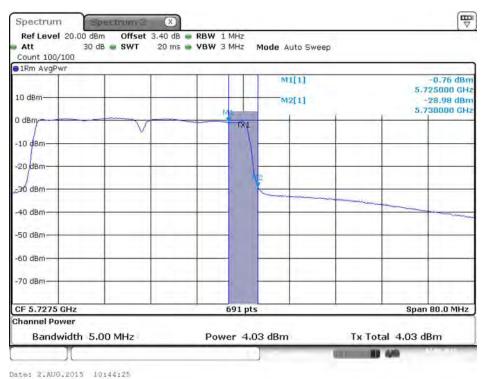
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



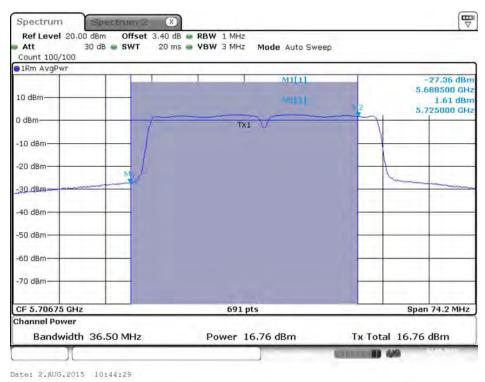
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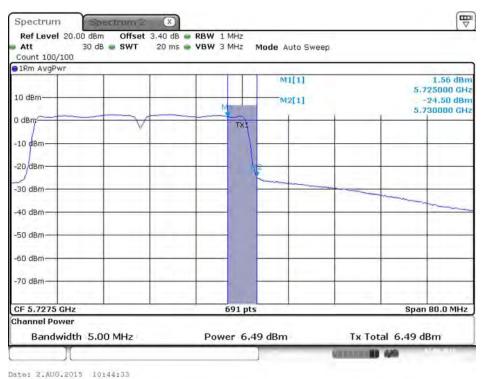
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



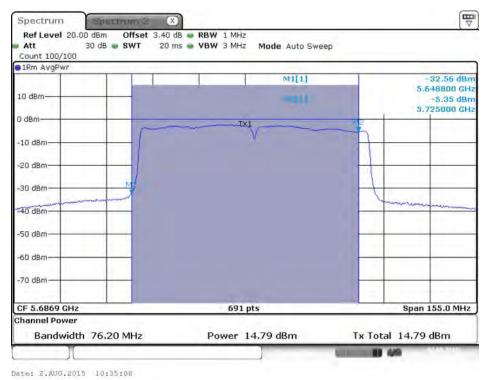
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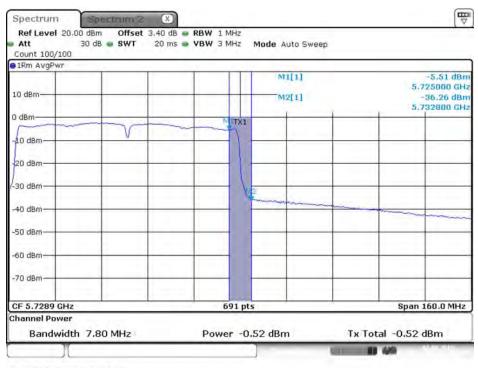




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



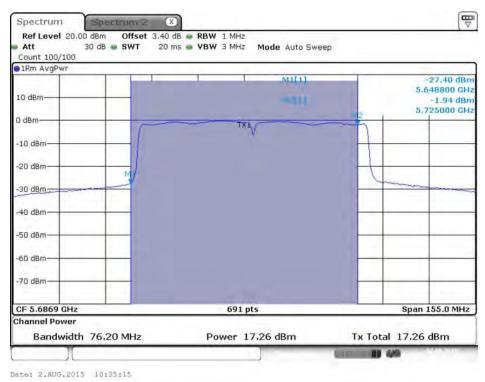
Date: 2.AUG.2015 10:35:11

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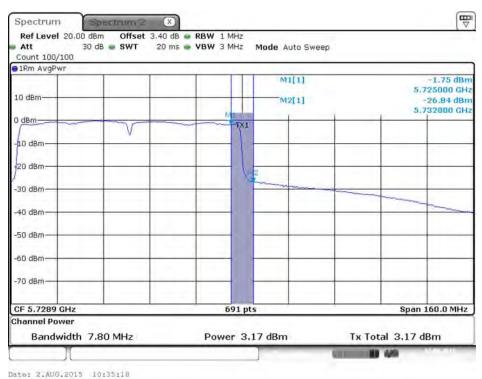
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

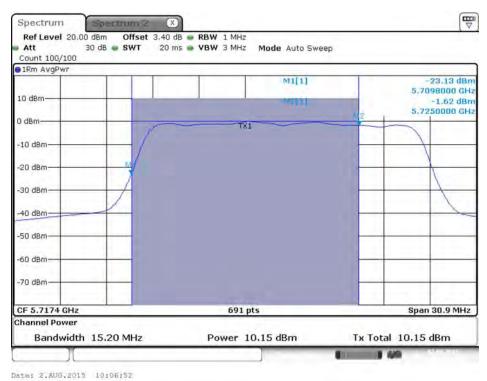


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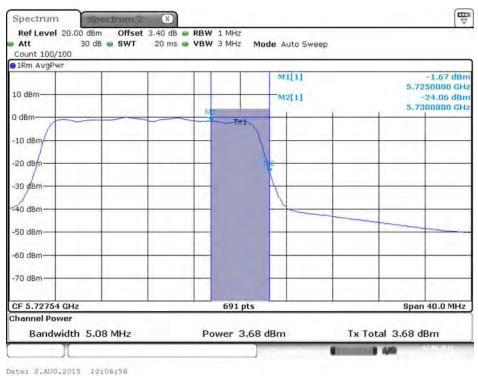
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Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX) Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



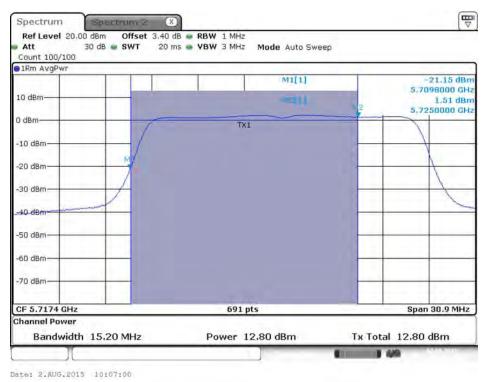
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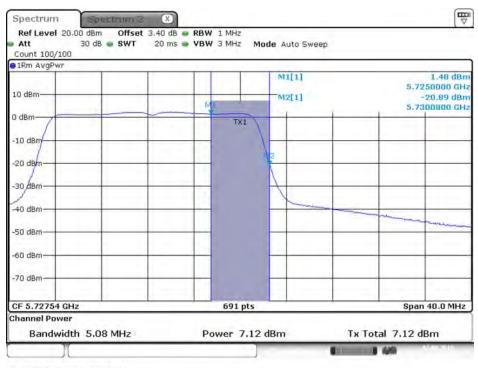




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



Date: 2.AUG.2015 10:07:03

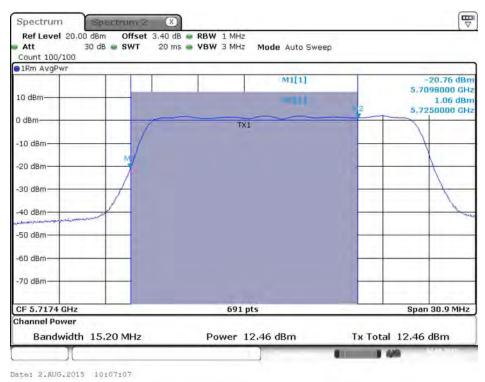
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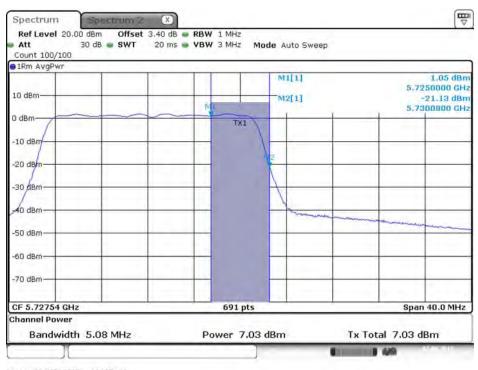




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)



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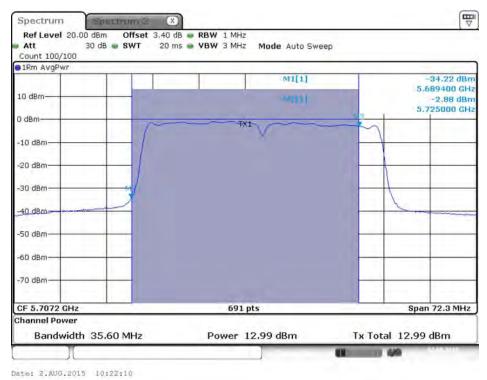
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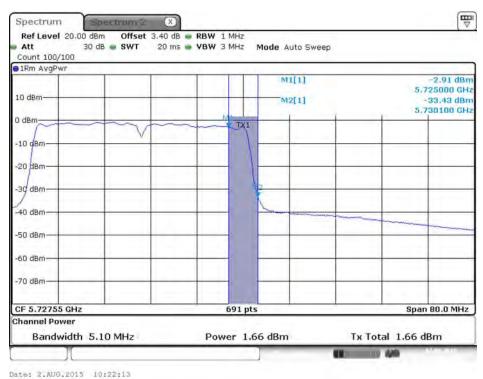




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



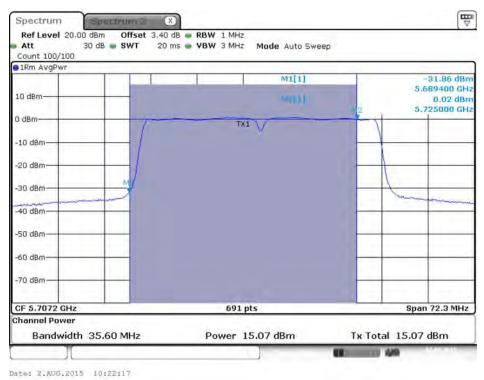
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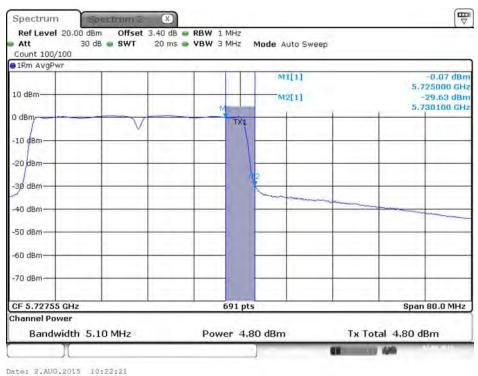




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



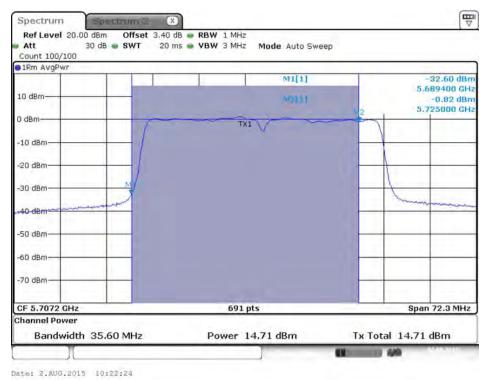
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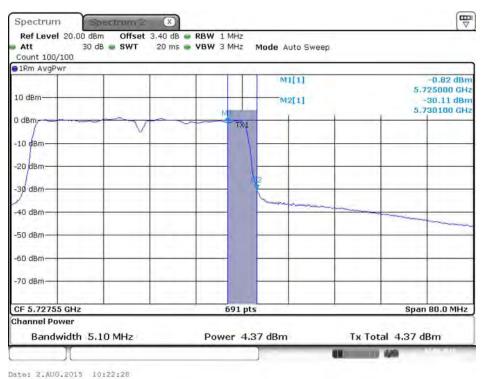




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 3)



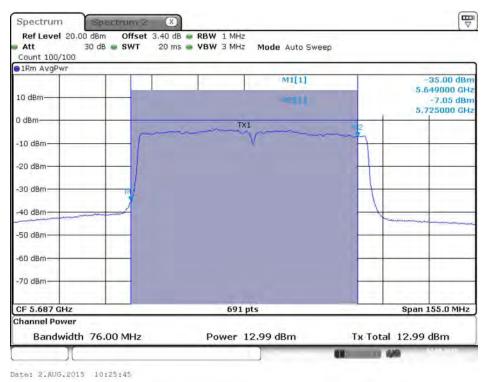
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Report Format Version: Rev. 01 FCC ID: UZ7AP7532

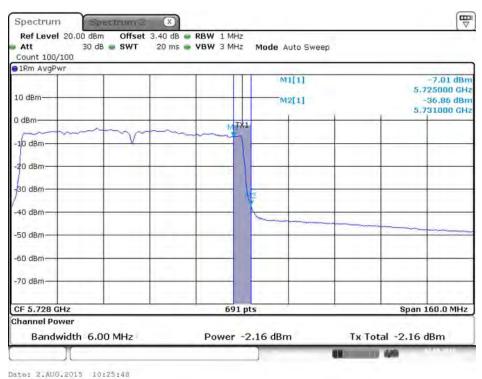
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



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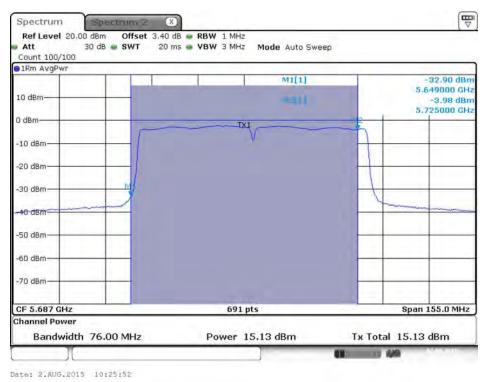
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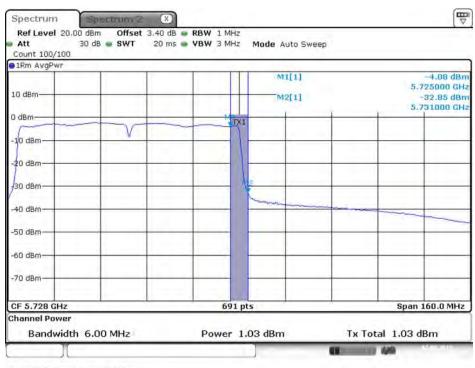




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



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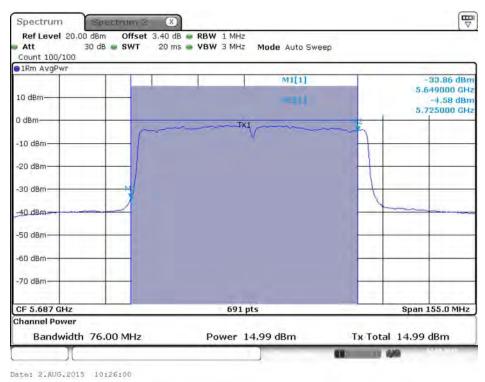
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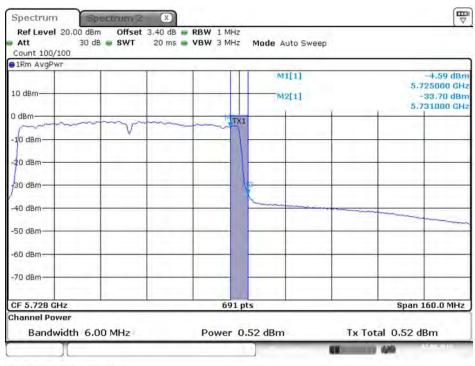




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)



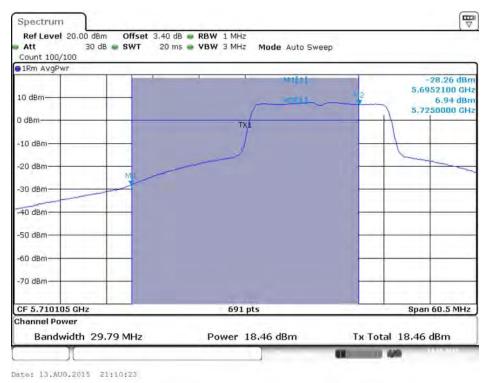
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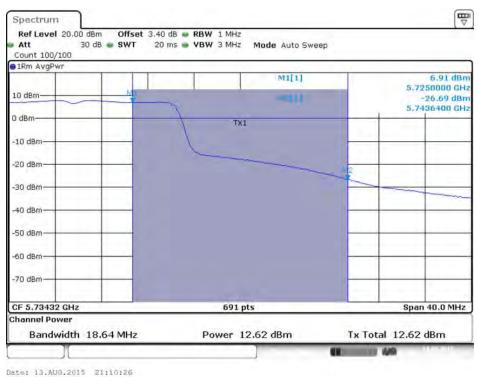
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Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



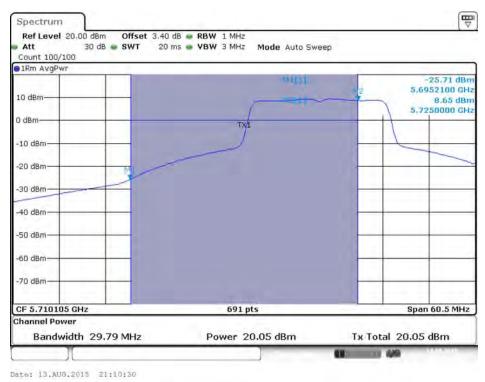
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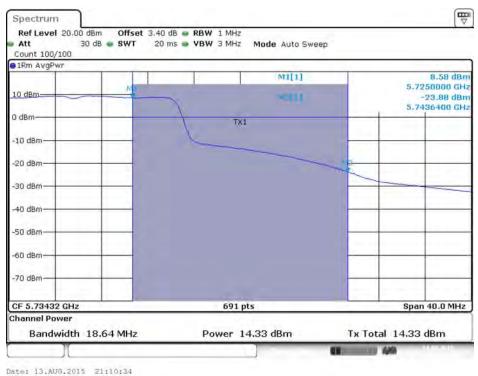
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



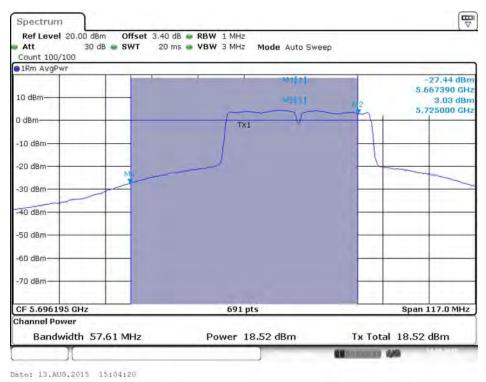
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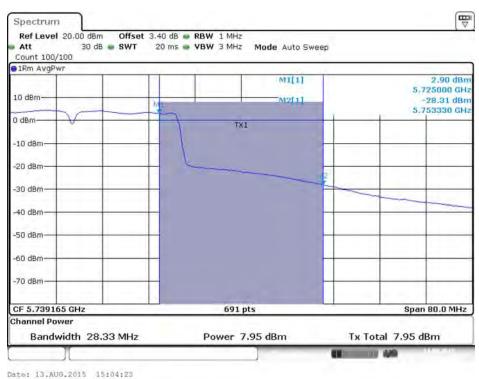




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)

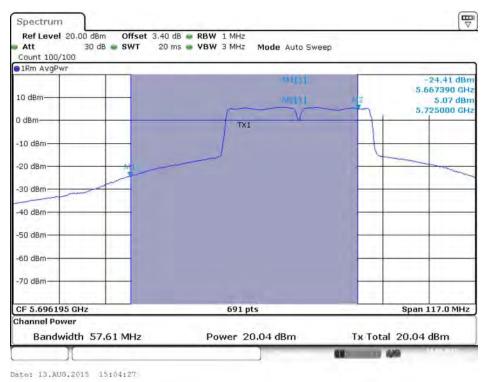


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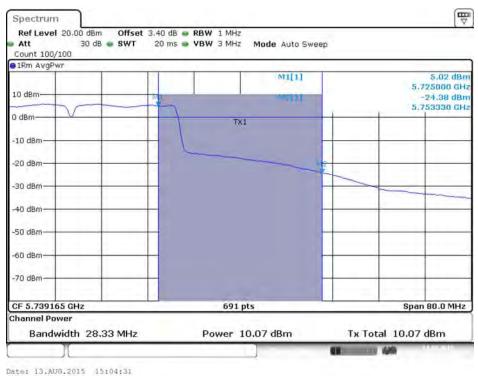
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)



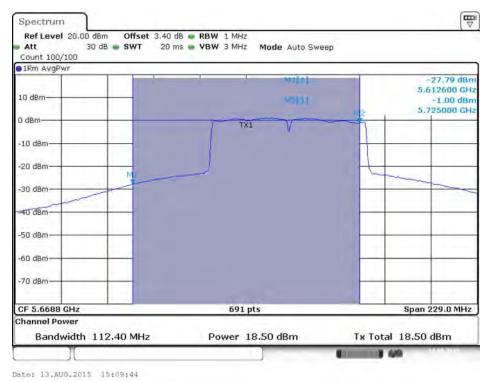
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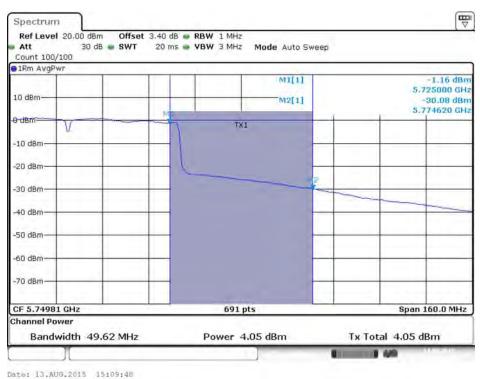




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



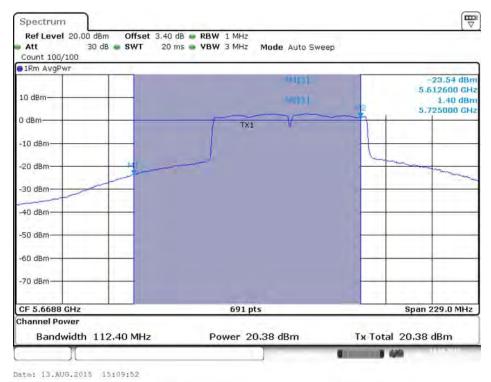
Date: 13.AUG.2015 15:09:48

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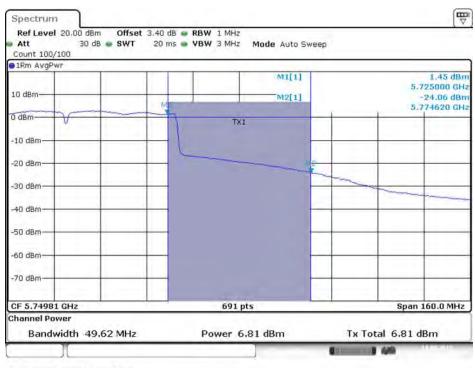
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)



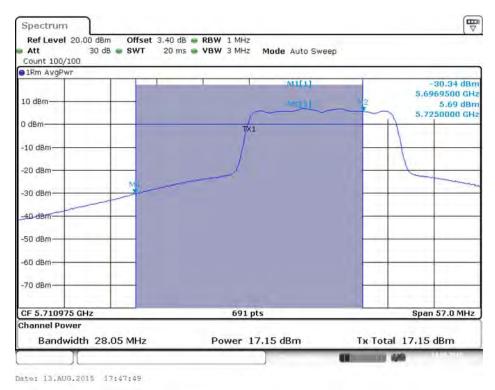
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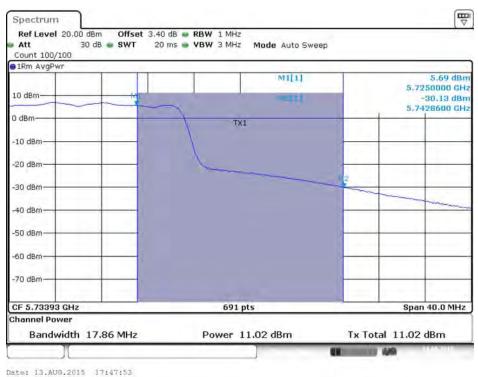
 FCC ID: UZ7AP7532
 Issued Date
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Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX) Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



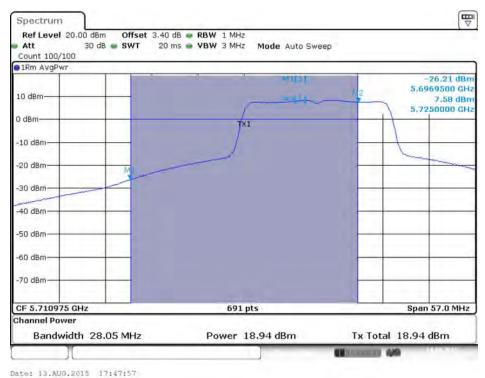
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



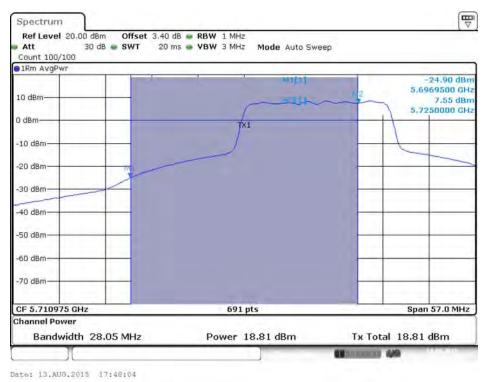
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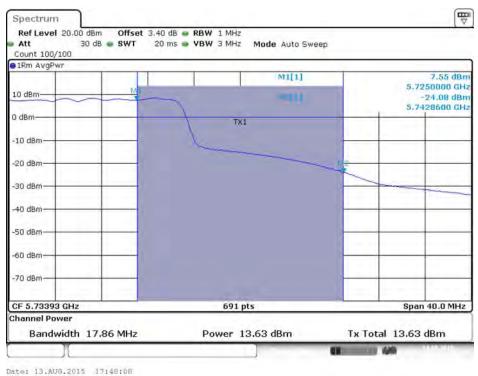
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 3 / 5720 MHz (UNII 3)



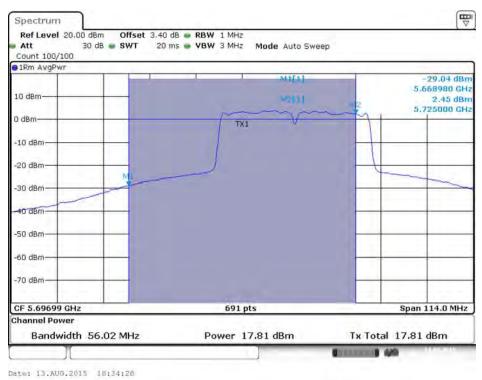
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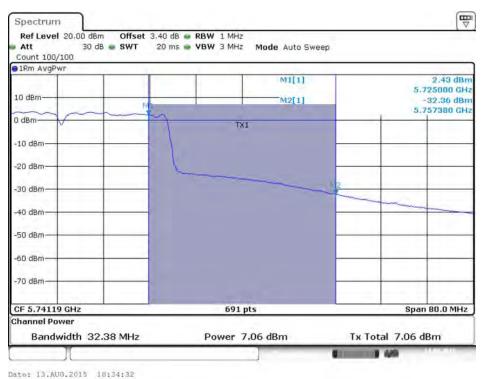




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)



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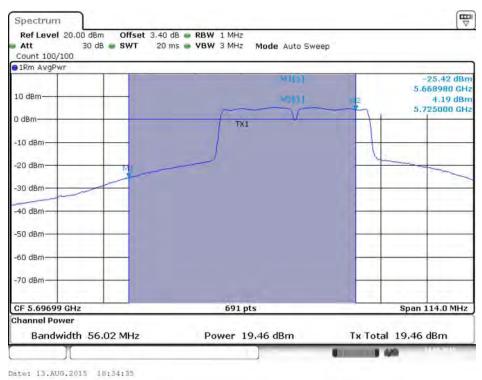
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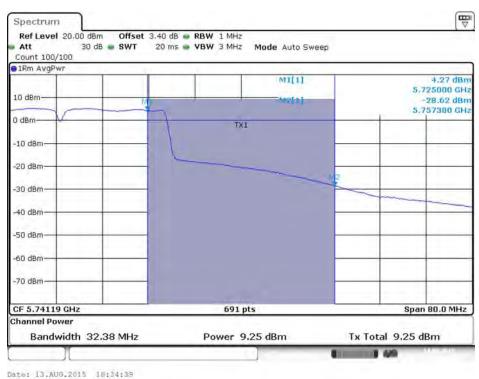
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Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)

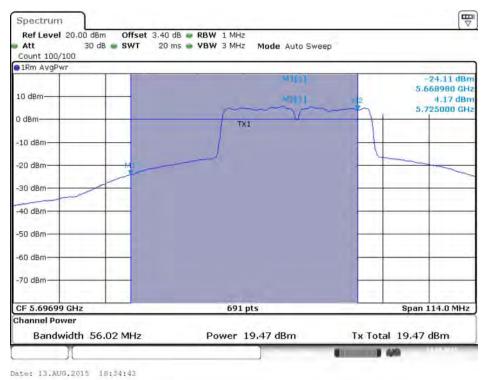


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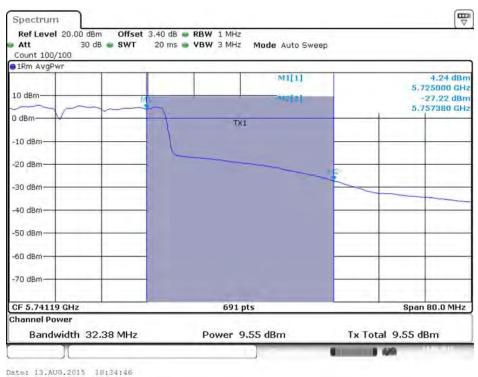




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 3 / 5710 MHz (UNII 3)



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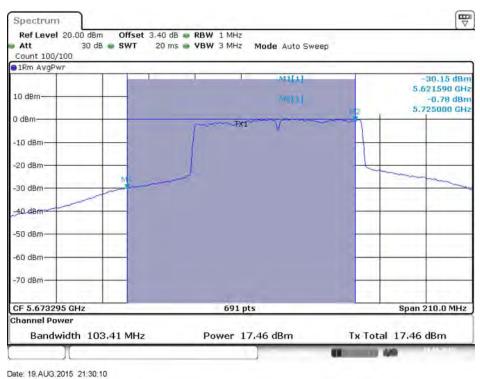
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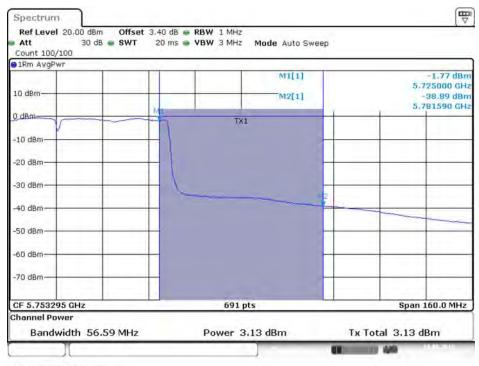




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



Date: 19.AUG.2015 21:40:09

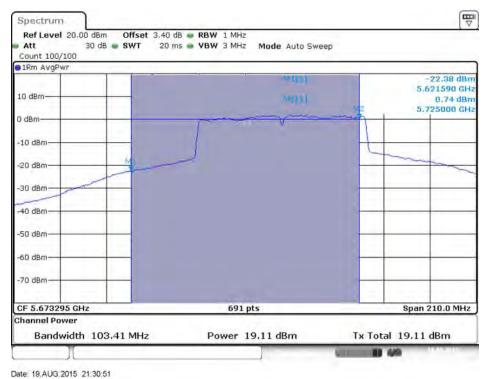
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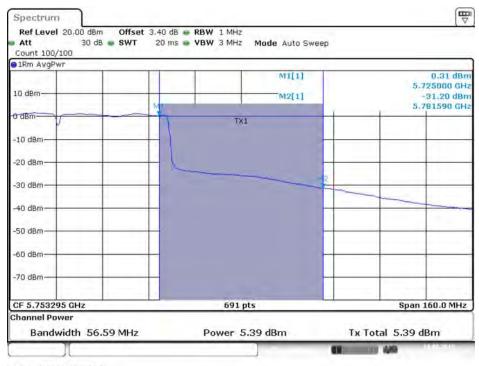




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

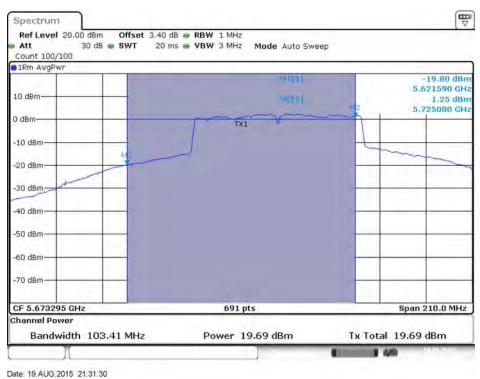


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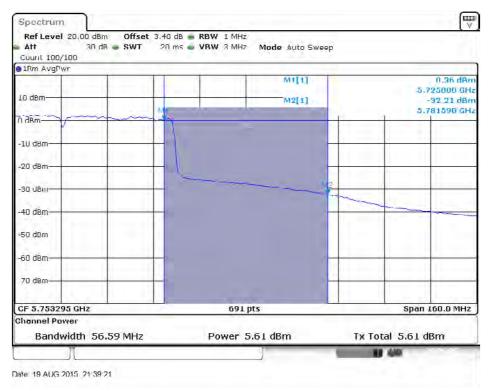




Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 2C)



Conducted Output Power Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 3 / 5690 MHz (UNII 3)



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4.5. Power Spectral Density Measurement

4.5.1. Limit

The following table is power spectral density limits and decrease power density limit rule refer to section 4.4.1.

Frequency Band			Limit			
\boxtimes	5.1	5~5.25 GHz				
	Ope	erating Mode				
	\boxtimes	Outdoor access point	17 dBm/MHz			
	\boxtimes	Indoor access point	17 dBm/MHz			
		Fixed point-to-point access points	17 dBm/MHz			
		Mobile and portable client devices	11 dBm/MHz			
	5.25-5.35 GHz		11 dBm/MHz			
	5.470-5.725 GHz		11 dBm/MHz			
\boxtimes	5.72	25~5.85 GHz	30 dBm/500kHz			

4.5.2. 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.

Spectrum Parameter	Setting
Attenuation	Auto
Span Frequency	Encompass the entire emissions bandwidth (EBW) of the signal
RBW	1000 kHz
VBW	3000 kHz
Detector	RMS
Trace	AVERAGE
Sweep Time	Auto
Trace Average	100 times

Note: If measurement bandwidth of Maximum PSD is specified in 500 kHz, add 10log(500kHz/RBW) to the measured result, whereas RBW (< 500 kHz) is the reduced resolution bandwidth of the spectrum analyzer set during measurement.

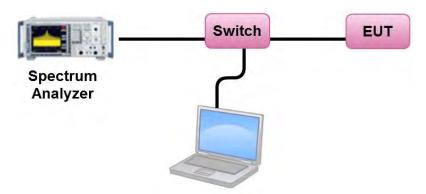
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4.5.3. Test Procedures

- 1. The transmitter output (antenna port) was connected RF switch to the spectrum analyzer.
- 2. Test was performed in accordance with KDB789033 D02 v01 for Compliance Testing of Unlicensed National Information Infrastructure (U-NII) Devices section (F) Maximum Power Spectral Density (PSD).
- 3. Multiple antenna systems was performed in accordance KDB662911 D01 v02r01 in-Band Power Spectral Density (PSD) Measurements (a) Measure and sum the spectra across the outputs.
- 4. When measuring first spectral bin of output 1 is summed with that in the first spectral bin of output 2 and that from the first spectral bin of output 3 and so on up to the Nth output to obtain the value for the first frequency bin of the summed spectrum. The summed spectrum value for each of the other frequency bins is computed in the same way.
- 5. For 5.725~5.85 GHz, the measured result of PSD level must add 10log(500kHz/RBW) and the final result should ≤ 30 dBm.

4.5.4. Test Setup Layout



4.5.5. Test Deviation

There is no deviation with the original standard.

4.5.6. EUT Operation during Test

The EUT was programmed to be in continuously transmitting mode.

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4.5.7. Test Result of Power Spectral Density

<For Non-Beamforming Mode>

Temperature	23 ℃	Humidity	61%	
Test Engineer	Nick Peng			
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)			

For indoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	4.82	12.30	Complies
40	5200 MHz	8.42	12.30	Complies
48	5240 MHz	7.03	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.43	12.30	Complies
46	5230 MHz	3.70	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.02	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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Temperature	23°C	Humidity	61%	
Test Engineer	Nick Peng			
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)			

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	12.30	Complies
40	5200 MHz	11.23	12.30	Complies
48	5240 MHz	9.48	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.57	12.30	Complies
46	5230 MHz	6.86	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.78	12.30	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{cST}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] } = 10.70 dBi > 6 dBi, so the B1 limit 17-(10.70-6) = 12.30 dBm/MHz.$$

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Temperature	23 ℃	Humidity	61%	
Test Engineer	Nick Peng			
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)			

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	8.56	10.08	Complies
40	5200 MHz	9.60	10.08	Complies
48	5240 MHz	9.55	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.71	10.08	Complies
46	5230 MHz	7.31	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.15	10.08	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] } = 12.92 dBi > 6 dBi, so the B1 limit 17-(12.92-6) = 10.08 dBm/MHz.$$

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Temperature	23 ℃	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.35	17.00	Complies
40	5200 MHz	8.58	17.00	Complies
48	5240 MHz	8.65	17.00	Complies

Note: Antenna gain=5.4dBi <6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.13	17.00	Complies
46	5230 MHz	5.08	17.00	Complies

Note: Antenna gain=5.4dBi <6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.50	17.00	Complies

Note: Antenna gain=5.4dBi <6dBi, so the limit doesn't reduce.

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	14.59	Complies
40	5200 MHz	11.23	14.59	Complies
48	5240 MHz	10.20	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.88	14.59	Complies
46	5230 MHz	7.12	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.03	14.59	Complies

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Temperature	23 ℃	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	10.45	12.83	Complies
40	5200 MHz	11.13	12.83	Complies
48	5240 MHz	11.14	12.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	5.35	12.83	Complies
46	5230 MHz	8.13	12.83	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.17 dBi > 6 dBi, so the B1 limit 17-(10.17-6) = 12.83 dBm/MHz..$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.39	12.83	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)		

For outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.44	12.30	Complies
40	5200 MHz	0.22	12.30	Complies
48	5240 MHz	0.25	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.40	12.30	Complies
46	5230 MHz	-2.49	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.36	12.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B1 limit 17-(10.70-6)=12.30dBm/MHz.

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.21	12.30	Complies
40	5200 MHz	0.22	12.30	Complies
48	5240 MHz	0.12	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.74	12.30	Complies
46	5230 MHz	-2.87	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.67	12.30	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{aNT}} \left\{ \sum_{k=1}^{N_{aNT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 10.70 dBi > 6 dBi, so the B1 limit 17-(10.70-6) = 12.30 dBm/MHz. }$$

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Temperature	23°C	Humidity	61%	
Test Engineer	Nick Peng			
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)			

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.23	10.08	Complies
40	5200 MHz	0.23	10.08	Complies
48	5240 MHz	0.49	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.93	10.08	Complies
46	5230 MHz	-2.89	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-6.06	10.08	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ex}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 12.92 dBi > 6 dBi, so the B1 limit 17-(12.92-6) = 10.08 dBm/MHz. }$$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.35	17.00	Complies
40	5200 MHz	6.32	17.00	Complies
48	5240 MHz	6.31	17.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.13	17.00	Complies
46	5230 MHz	3.58	17.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.50	17.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.53	14.59	Complies
40	5200 MHz	6.30	14.59	Complies
48	5240 MHz	6.32	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.65	14.59	Complies
46	5230 MHz	3.44	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.06	14.59	Complies

Note: $\frac{1}{N_{ANT}} \left\{ \sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2} \right\} = 8.41 \text{dBi} > 6 \text{dBi, so the B1 limit 17-(8.41-6)} = 14.59 \text{dBm/MHz.}$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.52	12.83	Complies
40	5200 MHz	6.40	12.83	Complies
48	5240 MHz	6.29	12.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.45	12.83	Complies
46	5230 MHz	3.27	12.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.24	12.83	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 1TX)		

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.39	17.00	Complies
40	5200 MHz	3.28	17.00	Complies
48	5240 MHz	3.20	17.00	Complies

Note: Antenna gain=5.10dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-1.22	17.00	Complies
46	5230 MHz	0.41	17.00	Complies

Note: Antenna gain=5.10dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.74	17.00	Complies

Note: Antenna gain=5.10dBi<6dBi, so the limit doesn't reduce.

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Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.34	14.89	Complies
40	5200 MHz	3.25	14.89	Complies
48	5240 MHz	3.45	14.89	Complies

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

Channel	Frequency	Power Density Max. Limit (dBm/MHz) (dBm/MHz)		Result
38	5190 MHz	0.08	14.89	Complies
46	5230 MHz	0.58	14.89	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-3.52	14.89	Complies

Note: $\frac{1}{N_{ANT}} \left\{ \sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2} \right\} = 8.11 dBi > 6 dBi, so the B1 limit 17-(8.11-6) = 14.89 dBm/MHz.$

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Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.57	13.13	Complies
40	5200 MHz	3.57	13.13	Complies
48	5240 MHz	3.51	13.13	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-0.91	13.13	Complies
46	5230 MHz	0.56	13.13	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.36	13.13	Complies

Note: Directional Gain = $10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ast}} \left\{ \sum_{k=1}^{N_{ast}} g_{j,k} \right\}^{2}}{N_{ant}} \right] = 9.87 dBi > 6 dBi, so the B1 limit 17-(9.87-6) = 13.13 dBm/MHz.$

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Temperature	23°C	Humidity	61%				
Test Engineer	Nick Peng	Nick Peng					
Test Mode	Mode 1 (Ant. 5 Polarized I	Panel / 10.7dBi / 1TX)					

For indoor / outdoor use

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.13	6.30	Complies
60	5300 MHz	6.24	6.30	Complies
64	5320 MHz	4.29	6.30	Complies
100	5500 MHz	4.55	6.30	Complies
116	5580 MHz	6.16	6.30	Complies
140	5700 MHz	2.53	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	2.51	-3.01	-0.50	25.30	Complies
157	5785 MHz	8.21	-3.01	5.20	25.30	Complies
165	5825 MHz	2.46	-3.01	-0.55	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.83	6.30	Complies
62	5310 MHz	-1.02	6.30	Complies
102	5510 MHz	0.25	6.30	Complies
110	5550 MHz	3.15	6.30	Complies
134	5670 MHz	0.28	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-1.54	-3.01	-4.55	25.30	Complies
159	5795 MHz	0.23	-3.01	-2.78	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-5.57	6.30	Complies
106	5530 MHz	-3.95	6.30	Complies
122	5610 MHz	-2.61	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B2 B3 limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-4.77	-3.01	-7.78	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the B4 limit 30-(10.70-6)=25.30dBm/500kHz.

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Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.21	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	5.70	-3.01	2.69	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	4.07	6.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.46	-3.01	0.45	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result	
138	5690 MHz (UNII 2C)	-0.31	6.30	Complies	

Note: Antenna gain=10.70dBi >6dBi, so the limit 11-(10.70-6)=6.30dBm/MHz.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-1.32	-3.01	-4.33	25.30	Complies

Note: Antenna gain=10.70dBi >6dBi, so the limit 30-(10.70-6)=25.30dBm/500kHz.

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Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 1 (Ant. 5 Polarized F	Panel / 10.7dBi / 2TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.81	6.30	Complies
60	5300 MHz	5.78	6.30	Complies
64	5320 MHz	5.78	6.30	Complies
100	5500 MHz	5.80	6.30	Complies
116	5580 MHz	5.63	6.30	Complies
140	5700 MHz	4.36	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.67	-3.01	0.66	25.30	Complies
157	5785 MHz	10.26	-3.01	7.25	25.30	Complies
165	5825 MHz	4.89	-3.01	1.88	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.70	6.30	Complies
62	5310 MHz	1.02	6.30	Complies
102	5510 MHz	2.38	6.30	Complies
110	5550 MHz	2.79	6.30	Complies
134	5670 MHz	2.68	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.13	-3.01	-2.88	25.30	Complies
159	5795 MHz	1.71	-3.01	-1.30	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 dBi > 6 dBi, so the B4 limit 30-(10.70-6) = 25.30 dBm/500 kHz.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.07	6.30	Complies
106	5530 MHz	-1.35	6.30	Complies
122	5610 MHz	-0.32	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.42	-3.01	-6.43	25.30	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.29	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.01	-3.01	3.00	25.30	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500MHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.48	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.66	-3.01	-0.35	25.30	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit } 30-(10.70-6) = 25.30 \text{dBm/} 500 \text{kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.29	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	0.93	-3.01	-2.08	25.30	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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Temperature	23°C	Humidity	61%				
Test Engineer	Nick Peng	Nick Peng					
Test Mode	Mode 1 (Ant. 5 Polarized I	Panel / 10.7dBi / 3TX)					

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	3.99	4.08	Complies
60	5300 MHz	4.07	4.08	Complies
64	5320 MHz	4.07	4.08	Complies
100	5500 MHz	4.01	4.08	Complies
116	5580 MHz	3.97	4.08	Complies
140	5700 MHz	4.02	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.36	-3.01	3.35	23.08	Complies
157	5785 MHz	11.22	-3.01	8.21	23.08	Complies
165	5825 MHz	6.37	-3.01	3.36	23.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	3.02	4.08	Complies
62	5310 MHz	1.45	4.08	Complies
102	5510 MHz	1.92	4.08	Complies
110	5550 MHz	2.88	4.08	Complies
134	5670 MHz	2.66	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	1.50	-3.01	-1.51	23.08	Complies
159	5795 MHz	3.50	-3.01	0.49	23.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-4.89	4.08	Complies
106	5530 MHz	-3.61	4.08	Complies
122	5610 MHz	-0.04	4.08	Complies

Note: $\frac{\sum_{j=1}^{N_{ast}} \left\{ \sum_{k=1}^{N_{ast}} g_{j,k} \right\}^{2}}{N_{ANT}} = 12.92 dBi > 6 dBi, so the B2 B3 limit 11-(12.92-6) = 4.08 dBm/MHz.$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-2.16	-3.01	-5.17	23.08	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	4.01	4.08	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot log}_{} \underbrace{\left[\sum_{j=1}^{N_{ant}} \left\{ \sum_{k=1}^{N_{ant}} g_{j,k} \right\}^{2} \right]}_{N_{ant}} = 12.92 dBi > 6 dBi, so the limit 11-(12.92-6)=4.08 dBm/MHz.$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	3.87	-3.01	0.86	23.08	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 12.92 \text{dBi} > 6 \text{dBi, so the limit 30-(12.92-6)} = 23.08 \text{dBm/500kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.38	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.23	-3.01	-0.78	23.08	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 12.92 dBi > 6 dBi, so the limit 30-(12.92-6) = 23.08 dBm/500 kHz.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	1.37	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-0.50	-3.01	-3.51	23.08	Complies

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Temperature	23°C	Humidity	61%				
Test Engineer	Nick Peng	Nick Peng					
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 1TX)					

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.24	11.00	Complies
60	5300 MHz	5.24	11.00	Complies
64	5320 MHz	5.24	11.00	Complies
100	5500 MHz	6.06	11.00	Complies
116	5580 MHz	8.89	11.00	Complies
140	5700 MHz	4.46	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	4.18	-3.01	1.17	30.00	Complies
157	5785 MHz	7.83	-3.01	4.82	30.00	Complies
165	5825 MHz	5.36	-3.01	2.35	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

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Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	1.61	11.00	Complies
62	5310 MHz	0.02	11.00	Complies
102	5510 MHz	0.44	11.00	Complies
110	5550 MHz	1.79	11.00	Complies
134	5670 MHz	1.86	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.27	-3.01	-2.74	30.00	Complies
159	5795 MHz	3.60	-3.01	0.59	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-4.47	11.00	Complies
106	5530 MHz	-3.26	11.00	Complies
122	5610 MHz	-1.59	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.59	-3.01	-6.60	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

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Straddle Channel

Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.12	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	7.49	-3.01	4.48	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	4.29	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	3.12	-3.01	0.11	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

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Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.85	11.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-1.00	-3.01	-4.01	30.00	Complies

Note: Antenna gain=5.4dBi<6dBi, so the limit doesn't reduce.

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Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 2TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.47	8.59	Complies
60	5300 MHz	8.57	8.59	Complies
64	5320 MHz	7.88	8.59	Complies
100	5500 MHz	8.27	8.59	Complies
116	5580 MHz	8.52	8.59	Complies
140	5700 MHz	6.03	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.49	-3.01	3.48	27.59	Complies
157	5785 MHz	11.08	-3.01	8.07	27.59	Complies
165	5825 MHz	7.90	-3.01	4.89	27.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 8.41 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(8.41-6)} = 27.59 \text{dBm/500kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	7.45	8.59	Complies
62	5310 MHz	2.21	8.59	Complies
102	5510 MHz	3.87	8.59	Complies
110	5550 MHz	7.39	8.59	Complies
134	5670 MHz	3.81	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.01	-3.01	-1.00	27.59	Complies
159	5795 MHz	4.49	-3.01	1.48	27.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 8.41 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(8.41-6)} = 27.59 \text{dBm/500kHz.}$$

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

•	•	•			
Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result	
58	5290 MHz	-0.37	8.59	Complies	
106	5530 MHz	0.63	8.59	Complies	
122	5610 MHz	2.69	8.59	Complies	

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.56	-3.01	-3.57	27.59	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.57	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	8.18	-3.01	5.17	27.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	7.63	8.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{sx}} \left\{ \sum_{k=1}^{N_{sx}} g_{j,k} \right\}^{2}}{N_{ANT}} = 8.41 \text{dBi} > 6 \text{dBi, so the limit } 11-(8.41-6) = 8.59 \text{dBm/MHz.}$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	6.80	-3.01	3.79	27.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 8.41 \text{dBi} > 6 \text{dBi, so the limit } 30-(8.41-6) = 27.59 \text{dBm/} 500 \text{kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.91	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.77	-3.01	-0.24	27.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 8.41 \text{dBi} > 6 \text{dBi, so the limit 30-(8.41-6)} = 27.59 \text{dBm/500kHz.}$$

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Temperature	23°C	Humidity	61%				
Test Engineer	Nick Peng	Nick Peng					
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 3TX)					

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
		(45/11/11/11/2)	(45/14/11/12)	
52	5260 MHz	6.80	6.83	Complies
60	5300 MHz	6.78	6.83	Complies
64	5320 MHz	6.77	6.83	Complies
100	5500 MHz	6.79	6.83	Complies
116	5580 MHz	6.82	6.83	Complies
140	5700 MHz	6.76	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.63	-3.01	3.62	25.83	Complies
157	5785 MHz	11.22	-3.01	8.21	25.83	Complies
165	5825 MHz	8.26	-3.01	5.25	25.83	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.17 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(10.17-6)} = 25.83 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.81	6.83	Complies
62	5310 MHz	3.66	6.83	Complies
102	5510 MHz	4.66	6.83	Complies
110	5550 MHz	6.82	6.83	Complies
134	5670 MHz	6.37	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	4.09	-3.01	1.08	25.83	Complies
159	5795 MHz	5.40	-3.01	2.39	25.83	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.17 dBi > 6 dBi, so the B4 limit 30-(10.17-6) = 25.83 dBm/500 kHz.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-0.13	6.83	Complies
106	5530 MHz	-0.21	6.83	Complies
122	5610 MHz	3.19	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	0.06	-3.01	-2.95	25.83	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.17 dBi > 6 dBi, so the B4 limit 30-(10.17-6) = 25.83 dBm/500kHz.$$

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.73	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.22	-3.01	3.21	25.83	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.17 \text{dBi} > 6 \text{dBi, so the limit 30-(10.17-6)} = 25.83 \text{dBm/500kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	6.76	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	5.74	-3.01	2.73	25.83	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.17 \text{dBi} > 6 \text{dBi, so the limit } 30-(10.17-6) = 25.83 \text{dBm/} 500 \text{kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	6.36	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	4.55	-3.01	1.54	25.83	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.17 dBi > 6 dBi, so the limit 30-(10.17-6) = 25.83 dBm/500 kHz.$$

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<For Beamforming Mode>

Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)					

For indoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	5.56	12.30	Complies
40	5200 MHz	10.37	12.30	Complies
48	5240 MHz	8.84	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	1.65	12.30	Complies
46	5230 MHz	6.86	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.52	12.30	Complies

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Temperature	23°C	Humidity	61%		
Test Engineer	Nick Peng				
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.59	10.08	Complies
40	5200 MHz	9.60	10.08	Complies
48	5240 MHz	9.55	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.28	10.08	Complies
46	5230 MHz	6.87	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.22	10.08	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 12.92 dBi > 6 dBi, so the B1 limit 17-(12.92-6) = 10.08 dBm/MHz. }$$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	7.54	14.59	Complies
40	5200 MHz	11.67	14.59	Complies
48	5240 MHz	11.01	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.88	14.59	Complies
46	5230 MHz	8.48	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.06	14.59	Complies

Note: $\frac{1}{N_{ANT}} \left\{ \sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2} \right\} = 8.41 \text{dBi} > 6 \text{dBi, so the B1 limit 17-(8.41-6)} = 14.59 \text{dBm/MHz.}$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.50	12.83	Complies
40	5200 MHz	11.13	12.83	Complies
48	5240 MHz	11.14	12.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	5.02	12.83	Complies
46	5230 MHz	8.13	12.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.05	12.83	Complies

Note: $\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 10.17 dBi > 6 dBi, so the B1 limit 17-(10.17-6) = 12.83 dBm/MHz. }$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.14	12.30	Complies
40	5200 MHz	0.25	12.30	Complies
48	5240 MHz	0.06	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.74	12.30	Complies
46	5230 MHz	-2.87	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.67	12.30	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	-1.51	10.08	Complies
40	5200 MHz	-1.47	10.08	Complies
48	5240 MHz	-1.42	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-4.58	10.08	Complies
46	5230 MHz	-4.20	10.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-7.66	10.08	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] } = 12.92 dBi > 6 dBi, so the B1 limit 17-(12.92-6) = 10.08 dBm/MHz.$$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 2TX)	

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	3.45	14.59	Complies
40	5200 MHz	3.40	14.59	Complies
48	5240 MHz	3.27	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	0.25	14.59	Complies
46	5230 MHz	0.32	14.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.64	14.59	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 3TX)	

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	1.80	12.83	Complies
40	5200 MHz	1.58	12.83	Complies
48	5240 MHz	1.69	12.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-1.26	12.83	Complies
46	5230 MHz	-1.27	12.83	Complies

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

Channel	Channel Frequency '		Max. Limit (dBm/MHz)	Result
42	5210 MHz	-4.30	12.83	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{cST}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] } = 10.17 dBi > 6 dBi, so the B1 limit 17-(10.17-6) = 12.83 dBm/MHz.$$

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Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.51	14.89	Complies
40	5200 MHz	0.47	14.89	Complies
48	5240 MHz	0.36	14.89	Complies

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

Channel	Frequency	cy (dBm/MHz) Max. Limit (dBm/MHz)		Result
38	5190 MHz	-2.64	14.89	Complies
46	5230 MHz	-2.68	14.89	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-6.05	14.89	Complies

Note: $\frac{1}{N_{ANT}} \left\{ \sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2} \right\} = 8.11 dBi > 6 dBi, so the B1 limit 17-(8.11-6) = 14.89 dBm/MHz.$

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Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	-1.07	13.13	Complies
40	5200 MHz	-0.99	13.13	Complies
48	5240 MHz	-1.27	13.13	Complies

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

Channel	Frequency Power Density (dBm/MHz)		Max. Limit (dBm/MHz)	Result
38	5190 MHz	-4.19	13.13	Complies
46	5230 MHz	-3.73	13.13	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-8.73	13.13	Complies

Note: Directional Gain = $10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 9.87 dBi > 6 dBi, so the B1 limit 17-(9.87-6) = 13.13 dBm/MHz.$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For indoor / outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	5.81	6.30	Complies
60	5300 MHz	5.82	6.30	Complies
64	5320 MHz	5.86	6.30	Complies
100	5500 MHz	5.09	6.30	Complies
116	5580 MHz	5.76	6.30	Complies
140	5700 MHz	3.53	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	4.59	-3.01	1.58	25.30	Complies
157	5785 MHz	7.34	-3.01	4.33	25.30	Complies
165	5825 MHz	4.96	-3.01	1.95	25.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	2.70	6.30	Complies
62	5310 MHz	2.43	6.30	Complies
102	5510 MHz	3.27	6.30	Complies
110	5550 MHz	2.79	6.30	Complies
134	5670 MHz	2.09	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-0.53	-3.01	-3.54	25.30	Complies
159	5795 MHz	0.09	-3.01	-2.92	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{\text{AST}}} \left\{ \sum_{k=1}^{N_{\text{ANT}}} g_{j,k} \right\}^{2}}_{N_{\text{ANT}}} = 10.70 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-2.33	6.30	Complies
106	5530 MHz	-1.88	6.30	Complies
122	5610 MHz	-1.05	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-4.05	-3.01	-7.06	25.30	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.29	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.01	-3.01	3.00	25.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.48	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.66	-3.01	-0.35	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.29	6.30	Complies

Note:
$$\frac{\sum_{j=1}^{N_{ast}} \left\{ \sum_{k=1}^{N_{ast}} g_{j,k} \right\}^{2}}{N_{ant}} = 10.70 \text{dBi} > 6 \text{dBi}, \text{ so the limit } 11-(10.70-6) = 6.30 \text{dBm/MHz}.$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	0.93	-3.01	-2.08	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 1 (Ant. 5 Polarized I	Panel / 10.7dBi / 3TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	3.98	4.08	Complies
60	5300 MHz	3.76	4.08	Complies
64	5320 MHz	3.96	4.08	Complies
100	5500 MHz	3.91	4.08	Complies
116	5580 MHz	3.94	4.08	Complies
140	5700 MHz	3.97	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.97	-3.01	0.96	23.08	Complies
157	5785 MHz	9.99	-3.01	6.98	23.08	Complies
165	5825 MHz	6.00	-3.01	2.99	23.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	0.45	4.08	Complies
62	5310 MHz	0.29	4.08	Complies
102	5510 MHz	0.01	4.08	Complies
110	5550 MHz	0.36	4.08	Complies
134	5670 MHz	0.04	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	-0.34	-3.01	-3.35	23.08	Complies
159	5795 MHz	4.00	-3.01	0.99	23.08	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 12.92 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(12.92-6)} = 23.08 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-2.44	4.08	Complies
106	5530 MHz	-2.16	4.08	Complies
122	5610 MHz	-2.03	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.63	-3.01	-6.64	23.08	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 12.92 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(12.92-6)} = 23.08 \text{dBm/500kHz}.$$

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	4.01	4.08	Complies

Chann	el Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	3.87	-3.01	0.86	23.08	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	1.43	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	0.17	-3.01	-2.84	23.08	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 12.92 dBi > 6 dBi, so the limit 30-(12.92-6) = 23.08 dBm/500 kHz.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.56	4.08	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-0.97	-3.01	-3.98	23.08	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 12.92 \text{dBi} > 6 \text{dBi, so the limit 30-(12.92-6)} = 23.08 \text{dBm/500kHz}.$$

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Temperature	23°C	Humidity	61%				
Test Engineer	Nick Peng	Nick Peng					
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 2TX)					

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	8.37	8.59	Complies
60	5300 MHz	8.25	8.59	Complies
64	5320 MHz	7.46	8.59	Complies
100	5500 MHz	8.27	8.59	Complies
116	5580 MHz	8.56	8.59	Complies
140	5700 MHz	6.44	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.49	-3.01	3.48	27.59	Complies
157	5785 MHz	11.08	-3.01	8.07	27.59	Complies
165	5825 MHz	6.97	-3.01	3.96	27.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	5.44	8.59	Complies
62	5310 MHz	2.21	8.59	Complies
102	5510 MHz	4.14	8.59	Complies
110	5550 MHz	5.28	8.59	Complies
134	5670 MHz	3.29	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.14	-3.01	-0.87	27.59	Complies
159	5795 MHz	4.78	-3.01	1.77	27.59	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{\text{SS}}} \left\{ \sum_{k=1}^{N_{\text{ANT}}} g_{j,k} \right\}^{2}}_{N_{\text{ANT}}} = 8.41 \, \text{dBi} > 6 \, \text{dBi}, \text{ so the B4 limit } 30 \text{-} (8.41 \text{-}6) = 27.59 \, \text{dBm/} 500 \, \text{kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-1.83	8.59	Complies
106	5530 MHz	0.17	8.59	Complies
122	5610 MHz	2.48	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.56	-3.01	-3.57	27.59	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 8.41 \, \text{dBi} > 6 \, \text{dBi}, \text{ so the B4 limit 30-(8.41-6)} = 27.59 \, \text{dBm/500kHz}.$$

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	8.57	8.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{aNT}} \left\{ \sum_{k=1}^{N_{aNT}} g_{j,k} \right\}^{2}}{N_{aNT}} = 8.41 dBi > 6 dBi, so the limit 11-(8.41-6) = 8.59 dBm/MHz.$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	8.18	-3.01	5.17	27.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	6.63	8.59	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	5.78	-3.01	2.77	27.59	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	4.98	8.59	Complies

Note:
$$\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ext}} g_{j,k} \right\}^{2}}{N_{ANT}} = 8.41 dBi > 6 dBi, so the limit 11-(8.41-6)=8.59 dBm/MHz.$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	3.67	-3.01	0.66	27.59	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 8.41 \, \text{dBi} > 6 \, \text{dBi}, \text{ so the limit 30-(8.41-6)} = 27.59 \, \text{dBm/500kHz}.$$



Temperature	23°C	Humidity	61%				
Test Engineer	Nick Peng	Nick Peng					
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 3TX)					

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.78	6.83	Complies
60	5300 MHz	6.75	6.83	Complies
64	5320 MHz	6.72	6.83	Complies
100	5500 MHz	6.82	6.83	Complies
116	5580 MHz	6.78	6.83	Complies
140	5700 MHz	6.78	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	6.63	-3.01	3.62	25.83	Complies
157	5785 MHz	11.22	-3.01	8.21	25.83	Complies
165	5825 MHz	7.86	-3.01	4.85	25.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	3.35	6.83	Complies
62	5310 MHz	3.10	6.83	Complies
102	5510 MHz	3.68	6.83	Complies
110	5550 MHz	3.70	6.83	Complies
134	5670 MHz	3.71	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	4.09	-3.01	1.08	25.83	Complies
159	5795 MHz	5.40	-3.01	2.39	25.83	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.17 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(10.17-6)} = 25.83 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-0.98	6.83	Complies
106	5530 MHz	-0.21	6.83	Complies
122	5610 MHz	0.55	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.30	-3.01	-3.31	25.83	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.73	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	6.22	-3.01	3.21	25.83	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	5.72	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	4.65	-3.01	1.64	25.83	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.17 dBi > 6 dBi, so the limit 30-(10.17-6) = 25.83 dBm/500 kHz.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	2.56	6.83	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	0.70	-3.01	-2.31	25.83	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.17 dBi > 6 dBi, so the limit 30-(10.17-6) = 25.83 dBm/500 kHz.$$

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<For STBC Mode>

Temperature	23°C	Humidity	61%	
Test Engineer	Nick Peng			
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)			

For indoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.83	12.30	Complies
40	5200 MHz	11.49	12.30	Complies
48	5240 MHz	9.96	12.30	Complies

Note:
$$Directiona\ lGain = 10 \cdot log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 10.70 dBi > 6 dBi, \text{ so the B1 limit 17-(10.70-6)} = 12.30 dBm/MHz.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.05	12.30	Complies
46	5230 MHz	6.51	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-1.13	12.30	Complies

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Temperature	23°C	Humidity	61%	
Test Engineer	Nick Peng			
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)			

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	8.59	12.30	Complies
40	5200 MHz	10.62	12.30	Complies
48	5240 MHz	10.53	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.53	12.30	Complies
46	5230 MHz	7.21	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-0.16	12.30	Complies

Note: $\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 10.70 dBi > 6 dBi, so the B1 limit 17-(10.70-6) = 12.30 dBm/MHz. }$

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Temperature	23°C	Humidity	61%		
Test Engineer	Nick Peng				
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	9.33	17.00	Complies
40	5200 MHz	11.49	17.00	Complies
48	5240 MHz	11.32	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{aNT}} \left\{ \sum_{k=1}^{N_{aNT}} g_{j,k} \right\}^{2}}{N_{aNT}} = 5.40 \text{dBi, so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	4.11	17.00	Complies
46	5230 MHz	8.37	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.40 \text{dBi, so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.36	17.00	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	11.07	17.00	Complies
40	5200 MHz	11.14	17.00	Complies
48	5240 MHz	11.19	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{SN}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.40 \text{dBi, so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	5.04	17.00	Complies
46	5230 MHz	8.29	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{sS}} \left\{ \sum_{j=1}^{N_{sNT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.40 \text{dBi, so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	1.40	17.00	Complies

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Temperature	23 ℃	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)		

For outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.19	12.30	Complies
40	5200 MHz	0.33	12.30	Complies
48	5240 MHz	0.15	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.45	12.30	Complies
46	5230 MHz	-2.62	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.74	12.30	Complies

Note:
$$\frac{\int_{J=1}^{N_{SS}} \left\{ \sum_{j=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the B1 limit } 17-(10.70-6) = 12.30 \text{dBm/MHz.}$$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	0.02	12.30	Complies
40	5200 MHz	0.27	12.30	Complies
48	5240 MHz	0.18	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	-2.59	12.30	Complies
46	5230 MHz	-2.37	12.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-5.29	12.30	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] } = 10.70 dBi > 6 dBi, so the B1 limit 17-(10.70-6) = 12.30 dBm/MHz.$$

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.55	17.00	Complies
40	5200 MHz	6.43	17.00	Complies
48	5240 MHz	6.32	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{k=1}^{N_{\text{ext}}} g_{j,k} \right\}^{2} \right\} }{N_{ANT}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce}.$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.43	17.00	Complies
46	5230 MHz	3.39	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{sst}} \left\{ \sum_{j=1}^{N_{sst}} \left\{ \sum_{k=1}^{N_{sNT}} g_{j,k} \right\}^{2} \right\}}{N_{ANT}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.36	17.00	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Nick Peng		
Test Mode	Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)		

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
36	5180 MHz	6.43	17.00	Complies
40	5200 MHz	6.38	17.00	Complies
48	5240 MHz	6.31	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{k=1}^{N_{\text{ext}}} g_{j,k} \right\}^{2}}{N_{\text{ANT}}} \right\} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce}.$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
38	5190 MHz	3.66	17.00	Complies
46	5230 MHz	3.58	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{k=1}^{N_{\text{ext}}} g_{j,k} \right\}^{2}}{N_{\text{ANT}}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce}.$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	0.45	17.00	Complies

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Temperature	23°C	Humidity	61%
Test Engineer	Kenneth Huang		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 2TX)		

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

Channel	Frequency	Power Density (dBm/MHz)		
36	5180 MHz	3.65	17.00	Complies
40	5200 MHz	3.49	17.00	Complies
48	5240 MHz	3.35	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{\text{aNT}}} \left\{ \sum_{j=1}^{N_{\text{aNT}}} \left\{ \sum_{k=1}^{N_{\text{aNT}}} g_{j,k} \right\}^{2} \right\} }{N_{\text{ANT}}} = 5.10 \text{dBi} < 6 \text{dBi, so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density Max. Limit (dBm/MHz) (dBm/MHz)		Result
38	5190 MHz	0.16	17.00	Complies
46	5230 MHz	0.45	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ext}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.10 dBi < 6 dBi, so the limit doesn't reduce.$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result	
42	5210 MHz	-3.35	17.00	Complies	

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Temperature	23°C	Humidity	61%	
Test Engineer	Kenneth Huang	Kenneth Huang		
Test Mode	Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 3TX)			

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

Channel	Frequency	Power Density Max. Limit (dBm/MHz) (dBm/MHz)		Result
36	5180 MHz	3.40	17.00	Complies
40	5200 MHz	3.66	17.00	Complies
48	5240 MHz	3.59	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{ext}} \left\{ \sum_{k=1}^{N_{ext}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.10 dBi < 6 dBi, so the limit doesn't reduce.$

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

Channel	Frequency	Power Density Max. Limit (dBm/MHz) (dBm/MHz)		Result
38	5190 MHz	0.54	17.00	Complies
46	5230 MHz	0.62	17.00	Complies

Note: $\frac{\sum_{j=1}^{N_{aNT}} \left\{ \sum_{k=1}^{N_{aNT}} g_{j,k} \right\}^{2}}{N_{aNT}} = 5.10 \text{dBi} < 6 \text{dBi, so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
42	5210 MHz	-2.65 17.00		Complies

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Temperature	23°C	Humidity	61%	
Test Engineer	Nick Peng	Nick Peng		
Test Mode	Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)			

For indoor / outdoor use

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	6.16	6.30	Complies
60	5300 MHz	5.95	6.30	Complies
64	5320 MHz	5.80	6.30	Complies
100	5500 MHz	6.05	6.30	Complies
116	5580 MHz	5.95	6.30	Complies
140	5700 MHz	4.90	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	3.55	-3.01	0.54	25.30	Complies
157	5785 MHz	10.56	-3.01	7.55	25.30	Complies
165	5825 MHz	5.21	-3.01	2.20	25.30	Complies

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

Channel	Frequency	Power Density Max. Limit (dBm/MHz) (dBm/MHz)		Result
54	5270 MHz	3.05	6.30	Complies
62	5310 MHz	1.15	6.30	Complies
102	5510 MHz	2.29	6.30	Complies
110	5550 MHz	3.09	6.30	Complies
134	5670 MHz	2.68	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	0.07	-3.01	-2.94	25.30	Complies
159	5795 MHz	1.27	-3.01	-1.74	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{\text{AST}}} \left\{ \sum_{k=1}^{N_{\text{ANT}}} g_{j,k} \right\}^{2}}_{N_{\text{ANT}}} = 10.70 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-3.02	6.30	Complies
106	5530 MHz	-1.60	6.30	Complies
122	5610 MHz	-0.41	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-3.27	-3.01	-6.28	25.30	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.24	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	5.56	-3.01	2.55	25.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.38	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.51	-3.01	-0.50	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.73	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-0.31	-3.01	-3.32	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 1 (Ant. 5 Polarized I	Panel / 10.7dBi / 3TX)				

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

Channel	Frequency	Power Density	Max. Limit	Result
		(dBm/MHz)	(dBm/MHz)	
52	5260 MHz	6.28	6.30	Complies
60	5300 MHz	6.13	6.30	Complies
64	5320 MHz	6.18	6.30	Complies
100	5500 MHz	5.74	6.30	Complies
116	5580 MHz	5.96	6.30	Complies
140	5700 MHz	5.79	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	5.96	-3.01	2.95	25.30	Complies
157	5785 MHz	9.46	-3.01	6.45	25.30	Complies
165	5825 MHz	6.45	-3.01	3.44	25.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	3.07	6.30	Complies
62	5310 MHz	3.08	6.30	Complies
102	5510 MHz	3.02	6.30	Complies
110	5550 MHz	3.13	6.30	Complies
134	5670 MHz	3.14	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	2.49	-3.01	-0.52	25.30	Complies
159	5795 MHz	3.41	-3.01	0.40	25.30	Complies

Note:
$$\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the B4 limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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

•	•	<u>-</u>		
Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-1.12	6.30	Complies
106	5530 MHz	-0.97	6.30	Complies
122	5610 MHz	-0.12	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.95	-3.01	-3.96	25.30	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	6.16	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	5.59	-3.01	2.58	25.30	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	3.83	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	2.93	-3.01	-0.08	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	0.69	6.30	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	-1.04	-3.01	-4.05	25.30	Complies

Note:
$$\underbrace{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}_{N_{ANT}} = 10.70 \text{dBi} > 6 \text{dBi, so the limit 30-(10.70-6)} = 25.30 \text{dBm/500kHz}.$$

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Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 2TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.26	11.00	Complies
60	5300 MHz	9.63	11.00	Complies
64	5320 MHz	9.23	11.00	Complies
100	5500 MHz	9.12	11.00	Complies
116	5580 MHz	10.11	11.00	Complies
140	5700 MHz	6.48	11.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	7.36	-3.01	4.35	30.00	Complies
157	5785 MHz	10.92	-3.01	7.91	30.00	Complies
165	5825 MHz	8.11	-3.01	5.10	30.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
54	5270 MHz	6.70	11.00	Complies
62	5310 MHz	2.17	11.00	Complies
102	5510 MHz	4.05	11.00	Complies
110	5550 MHz	7.57	11.00	Complies
134	5670 MHz	4.74	11.00	Complies

Note: $\frac{\sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{k=1}^{N_{\text{ext}}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.40 \text{dBi} < 6 \text{dBi, so the limit doesn't reduce.}$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	3.47	-3.01	0.46	30.00	Complies
159	5795 MHz	4.73	-3.01	1.72	30.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
58	5290 MHz	-1.45	11.00	Complies
106	5530 MHz	0.20	11.00	Complies
122	5610 MHz	2.72	11.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	-0.69	-3.01	-3.70	30.00	Complies

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Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	10.87	11.00	Complies

Note:
$$\frac{\sum_{j=1}^{N_{ex}} \left\{ \sum_{j=1}^{N_{ext}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	10.24	-3.01	7.23	30.00	Complies

Note:
$$\frac{\sum_{j=1}^{N_{\text{ANT}}} \left\{ \sum_{j=1}^{N_{\text{ANT}}} \left\{ \sum_{k=1}^{N_{\text{ANT}}} g_{j,k} \right\}^{2} \right\} }{N_{\text{ANT}}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	7.41	11.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	7.01	-3.01	4.00	30.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
138	5690 MHz (UNII 2C)	3.82	11.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	2.47	-3.01	-0.54	30.00	Complies

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot log}_{} \underbrace{\left[\sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2} \right]}_{N_{ANT}} = 5.40 dBi < 6 dBi, so the limit doesn't reduce.$$



Temperature	23°C	Humidity	61%			
Test Engineer	Nick Peng	Nick Peng				
Test Mode	Mode 2 (Ant. 7 Patch ante	enna / 5.4dBi / 3TX)				

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
52	5260 MHz	10.50	11.00	Complies
60	5300 MHz	9.83	11.00	Complies
64	5320 MHz	10.14	11.00	Complies
100	5500 MHz	9.70	11.00	Complies
116	5580 MHz	10.69	11.00	Complies
140	5700 MHz	8.11	11.00	Complies

Note: $\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
149	5745 MHz	8.36	-3.01	5.35	30.00	Complies
157	5785 MHz	11.16	-3.01	8.15	30.00	Complies
165	5825 MHz	9.51	-3.01	6.50	30.00	Complies

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result	
54	5270 MHz	7.38	11.00	Complies	
62	5310 MHz	3.28	11.00	Complies	
102	5510 MHz	4.31	11.00	Complies	
110	5550 MHz	7.55	11.00	Complies	
134	5670 MHz	6.24	11.00	Complies	

Note: $\frac{\sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{j=1}^{N_{\text{ext}}} \left\{ \sum_{k=1}^{N_{\text{ext}}} g_{j,k} \right\}^{2}}{N_{\text{ANT}}} \right\} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce}.$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
151	5755 MHz	4.60	-3.01	1.59	30.00	Complies
159	5795 MHz	5.83	-3.01	2.82	30.00	Complies

Note: $\frac{\sum_{j=1}^{N_{ANT}} \left\{ \sum_{j=1}^{N_{ANT}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2} \right\}}{N_{ANT}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result	
58	5290 MHz	-0.28	11.00	Complies	
106	5530 MHz	0.32	11.00	Complies	
122	5610 MHz	3.75	11.00	Complies	

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
155	5775 MHz	0.64	-3.01	-2.37	30.00	Complies

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Report No.: FR441804-21AB

Straddle Channel

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
144	5720 MHz (UNII 2C)	10.75	11.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
144	5720 MHz (UNII 3)	10.13	-3.01	7.12	30.00	Complies

Note:
$$\frac{\sum_{j=1}^{N_{\text{ANT}}} \left\{ \sum_{j=1}^{N_{\text{ANT}}} \left\{ \sum_{k=1}^{N_{\text{ANT}}} g_{j,k} \right\}^{2} \right\} }{N_{\text{ANT}}} = 5.40 \text{dBi} < 6 \text{dBi}, \text{ so the limit doesn't reduce.}$$

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

Channel	Frequency	Power Density (dBm/MHz)	Max. Limit (dBm/MHz)	Result
142	5710 MHz (UNII 2C)	8.47	11.00	Complies

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
142	5710 MHz (UNII 3)	7.73	-3.01	4.72	30.00	Complies

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

Channel	Channel Frequency		Max. Limit (dBm/MHz)	Result	
138	5690 MHz (UNII 2C)	4.84	11.00	Complies	

Note:
$$\underbrace{Directiona\ lGain = 10 \cdot \log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] } = 5.40 dBi < 6 dBi, so the limit doesn't reduce.$$

Channel	Frequency	Power Density (dBm/MHz)	10log(500kHz/RBW) Factor (dB)	Power Density (dBm/500kHz)	Power Density Limit (dBm/500kHz)	Result
138	5690 MHz (UNII 3)	3.17	-3.01	0.16	30.00	Complies

Note:
$$Directiona\ lGain = 10 \cdot log \left[\frac{\sum_{j=1}^{N_{SS}} \left\{ \sum_{k=1}^{N_{ANT}} g_{j,k} \right\}^{2}}{N_{ANT}} \right] = 5.40 dBi < 6 dBi, so the limit doesn't reduce.$$

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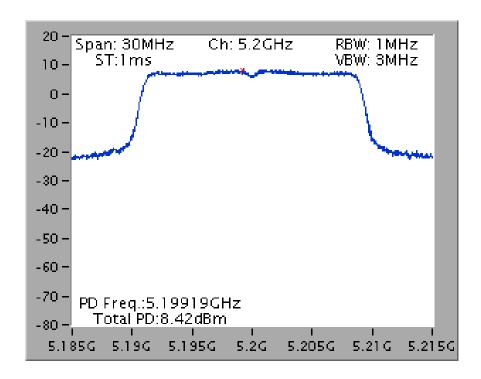


<For Non-Beamforming Mode>

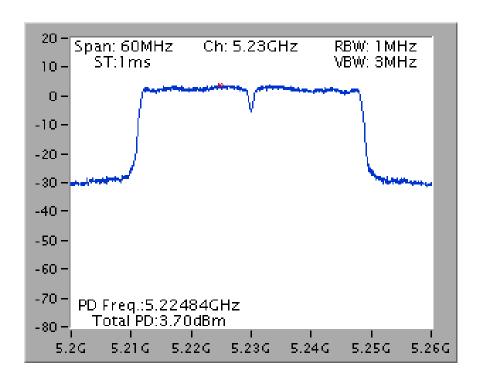
For indoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 2 / 5230 MHz



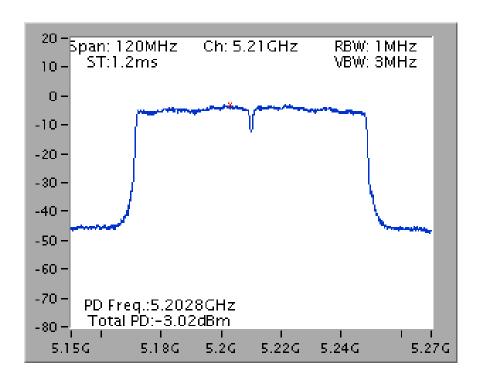
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5210 MHz



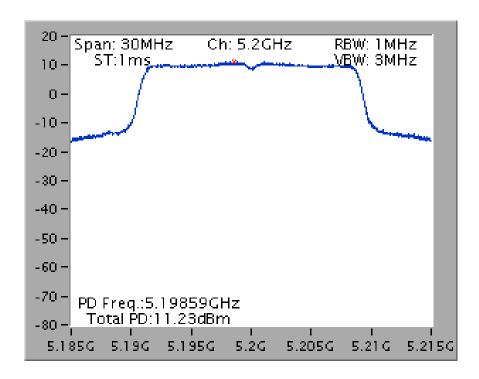
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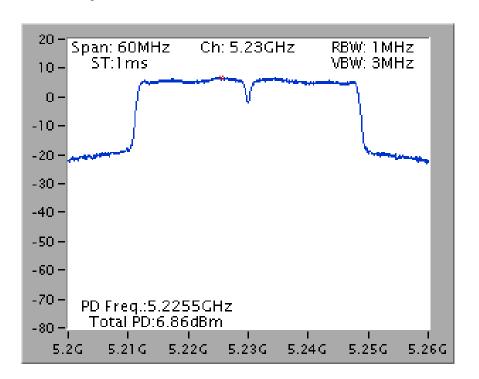
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Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



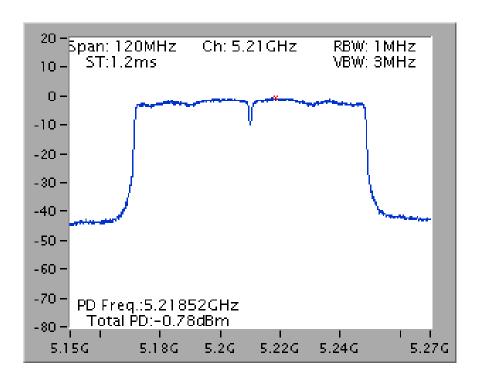
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz

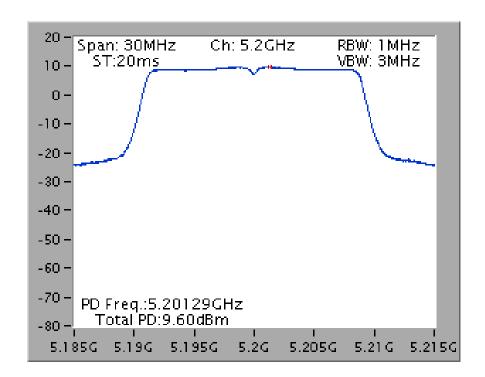




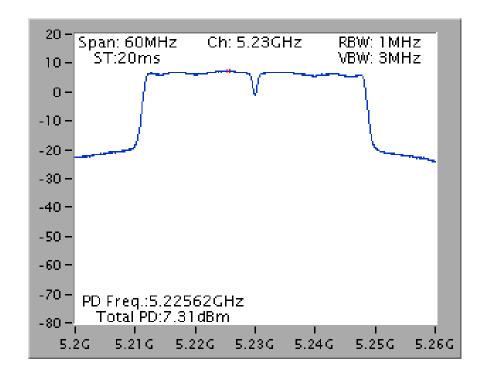


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



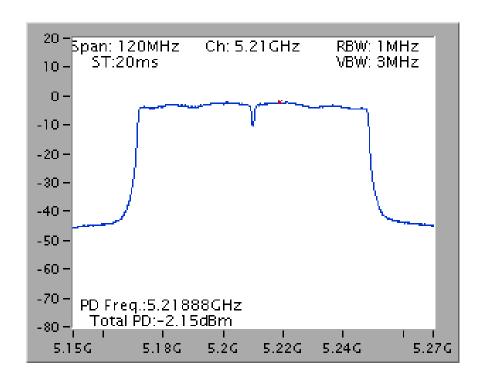
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



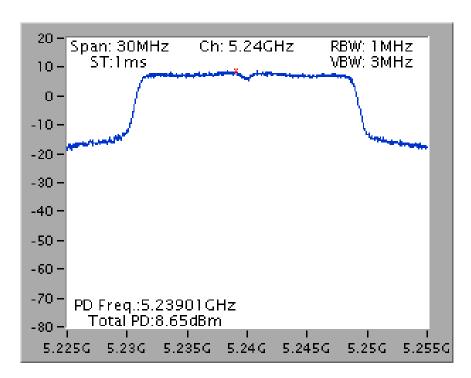
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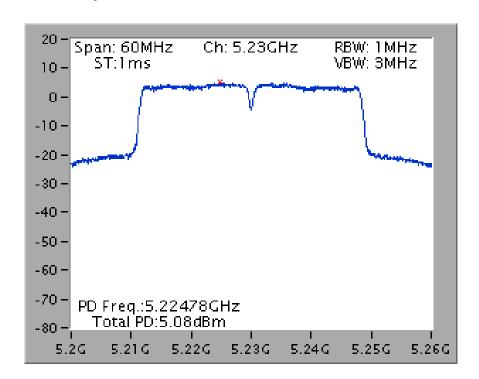


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5240 MHz



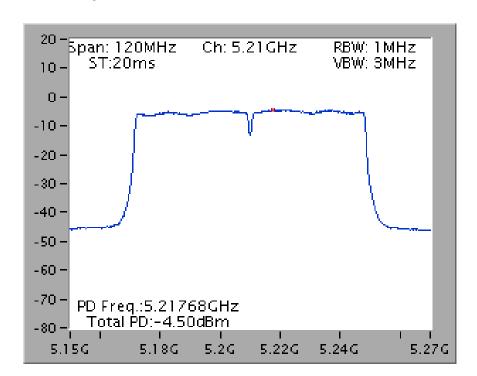
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 1 / 5210 MHz

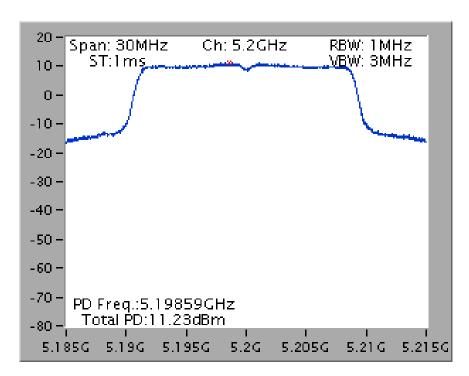


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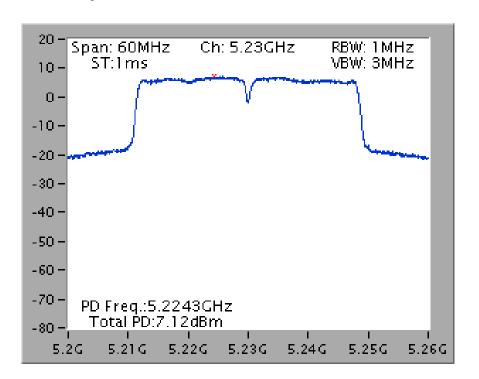




Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



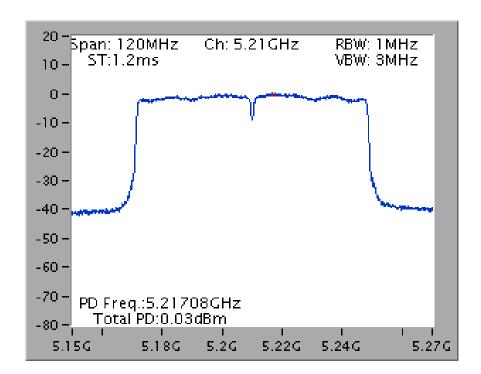
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



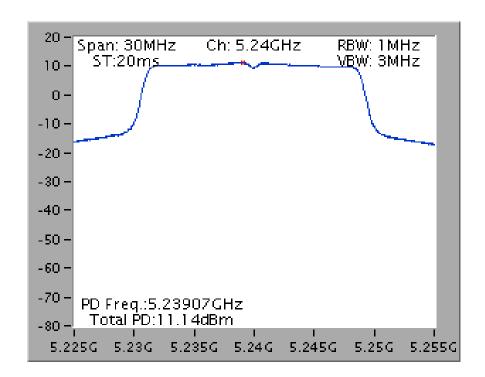
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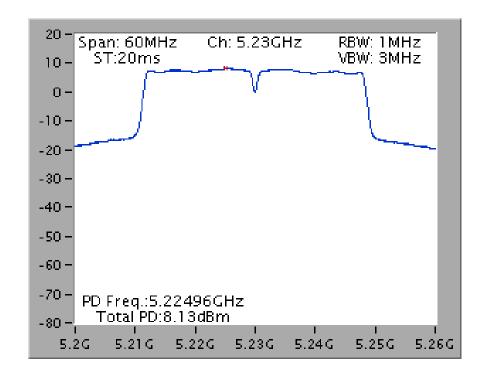


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



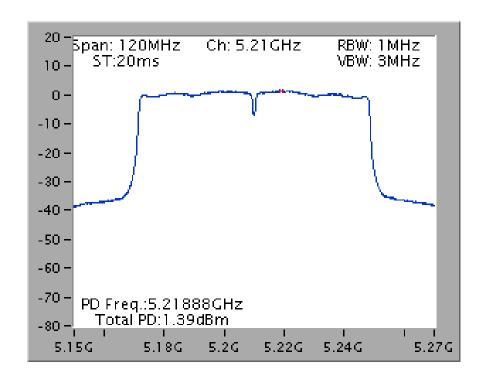
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



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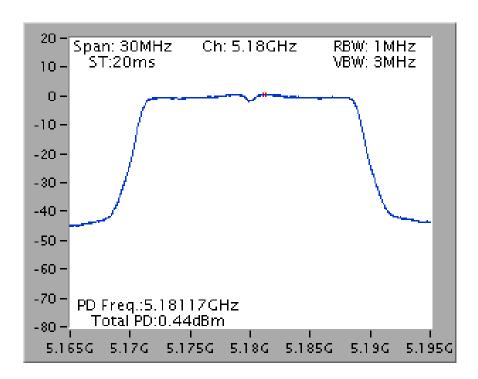




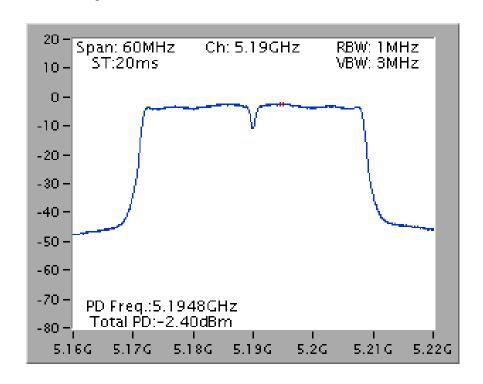
For outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT20 / Chain 2 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 2 / 5190 MHz



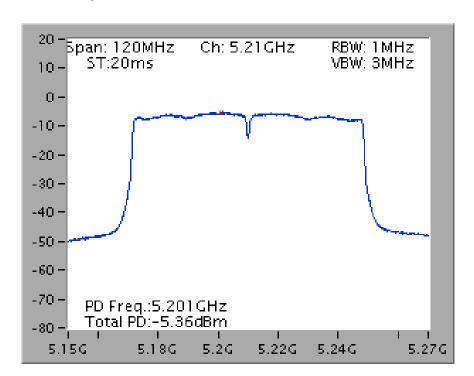
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5210 MHz



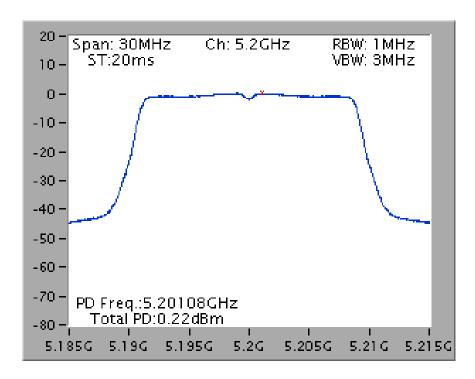
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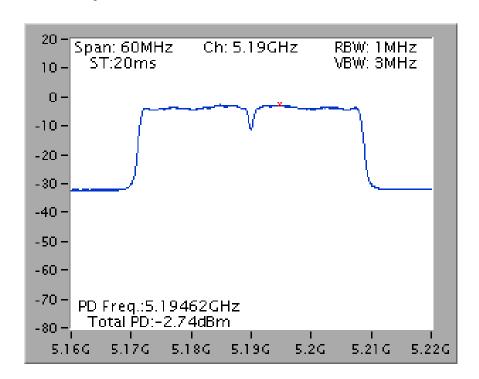


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz

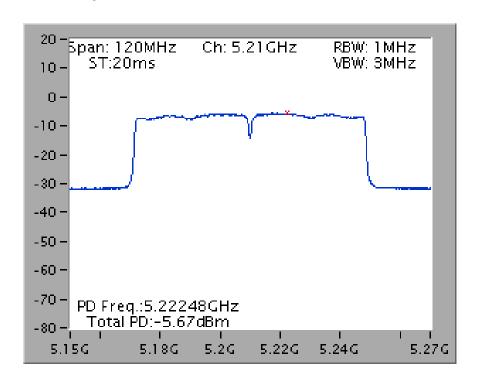


Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz





Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



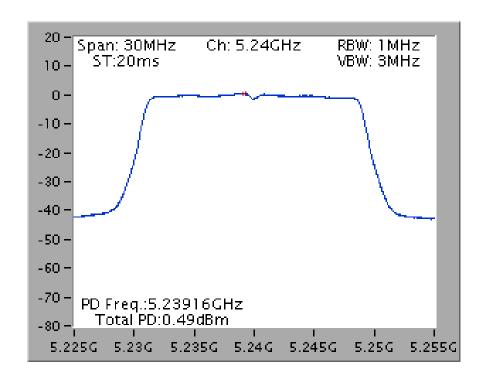
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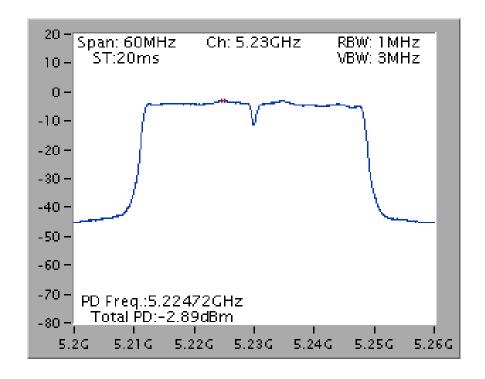


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



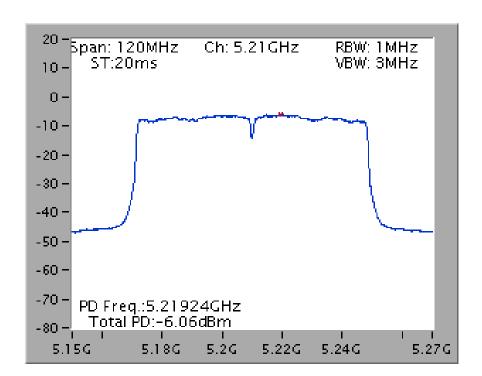
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



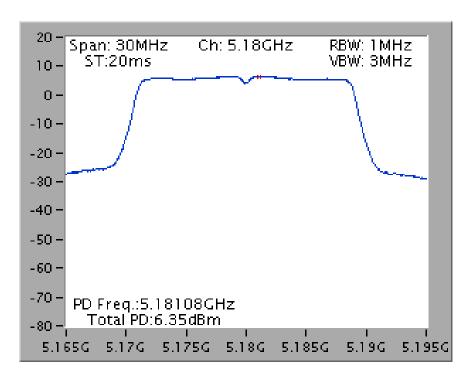
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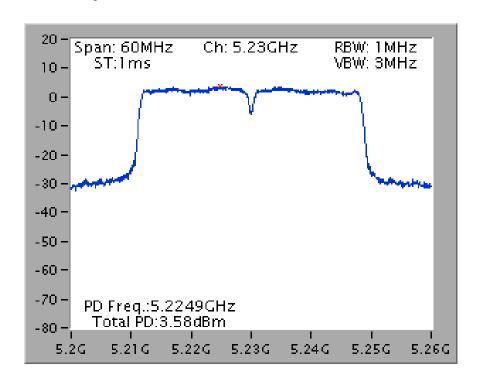


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5180 MHz



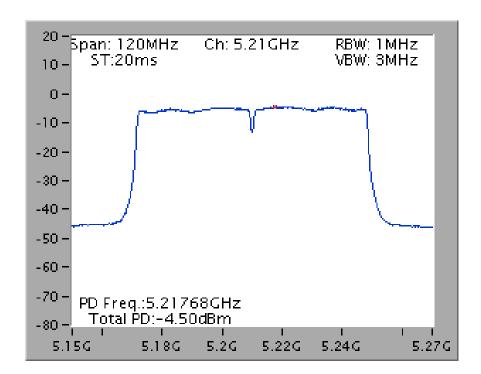
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 1 / 5210 MHz



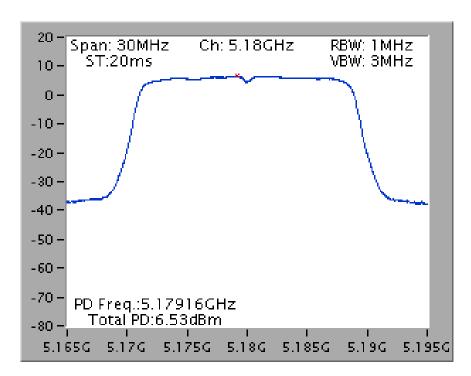
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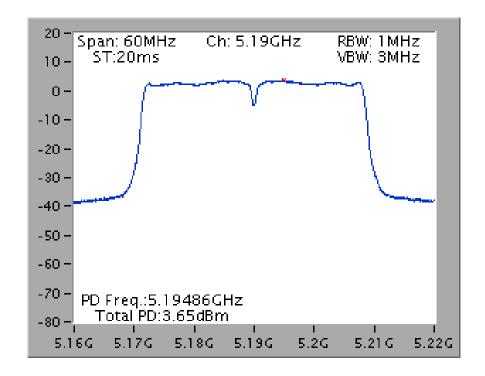


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



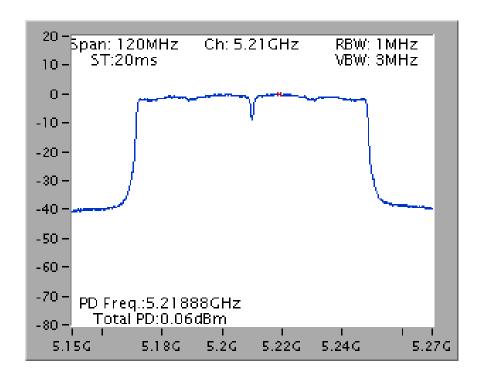
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



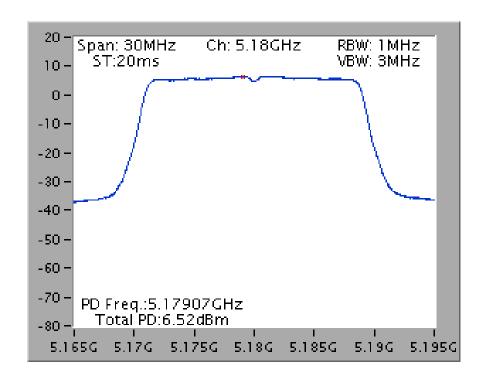
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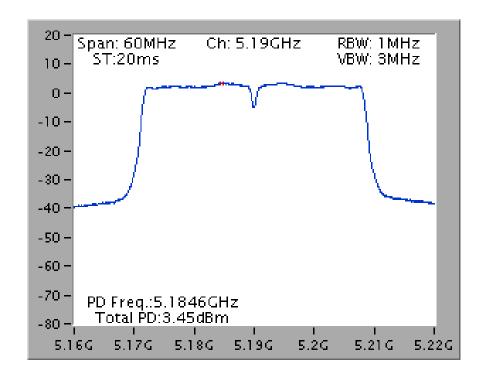


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5190 MHz



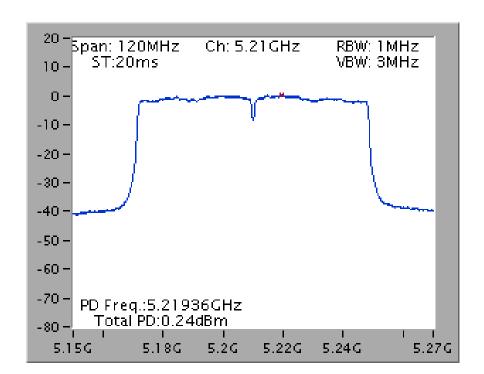
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



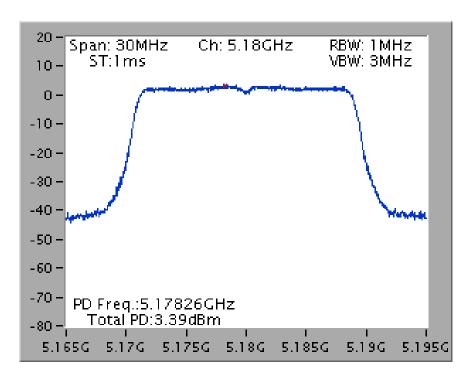
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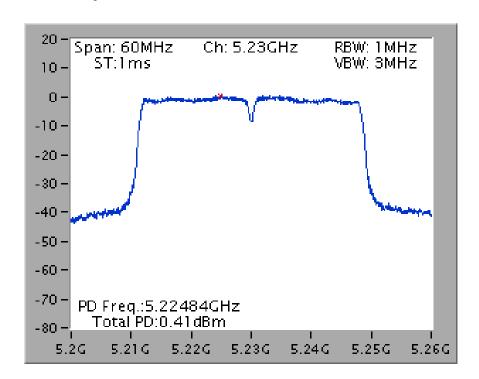


Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5180 MHz



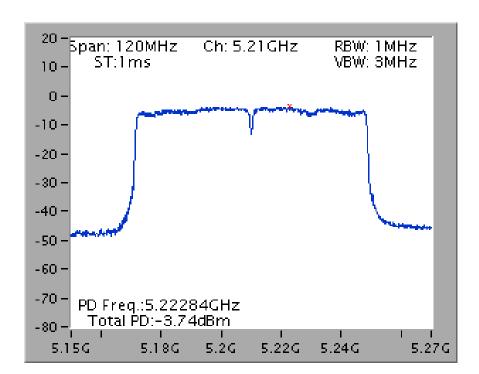
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5210 MHz

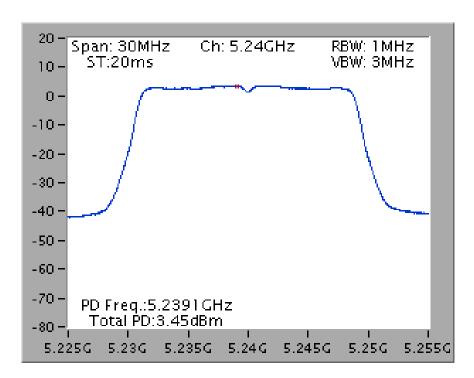


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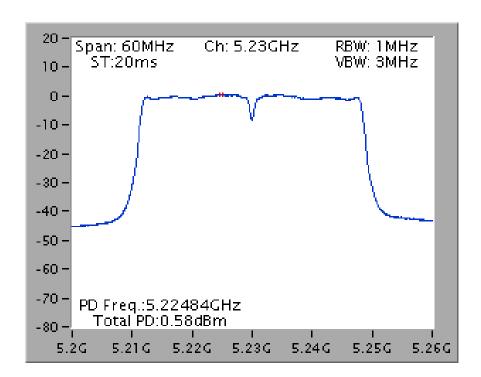




Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5240 MHz



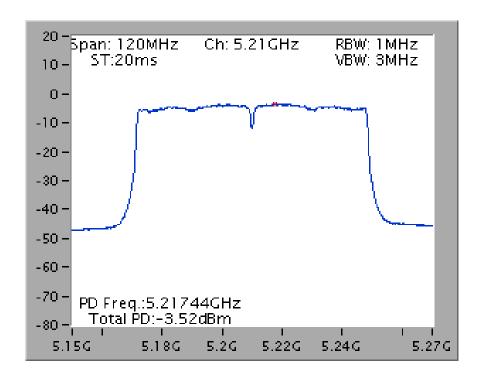
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



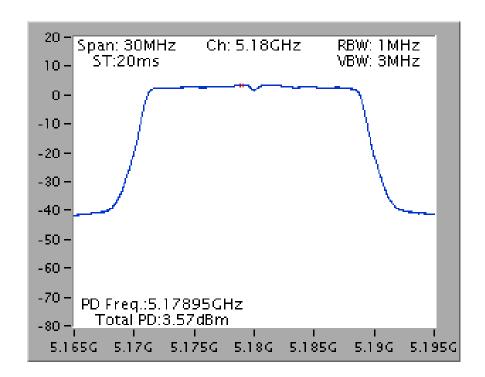
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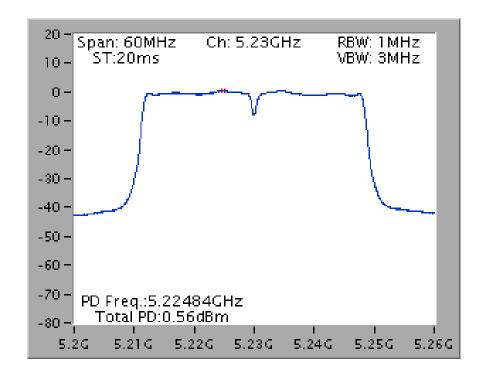


Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



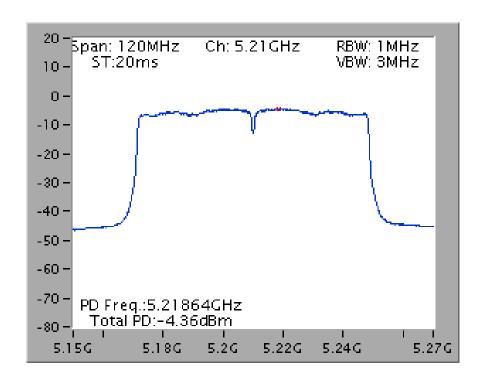
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



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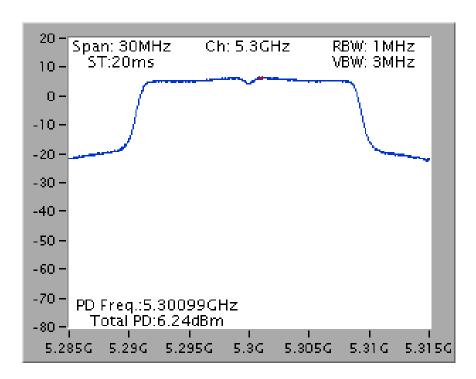




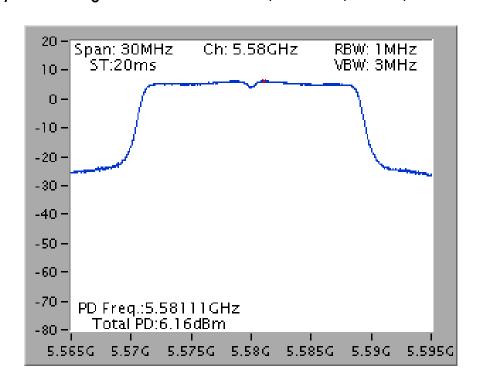
For indoor / outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5300 MHz



Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT20 / Chain 2 / 5580 MHz



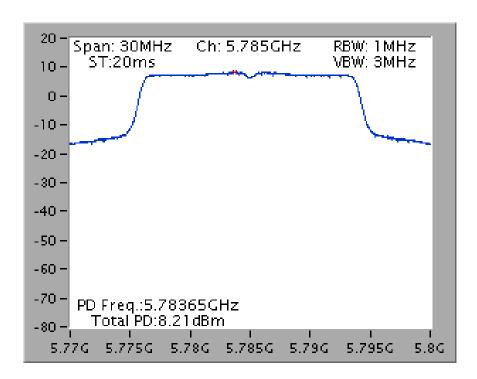
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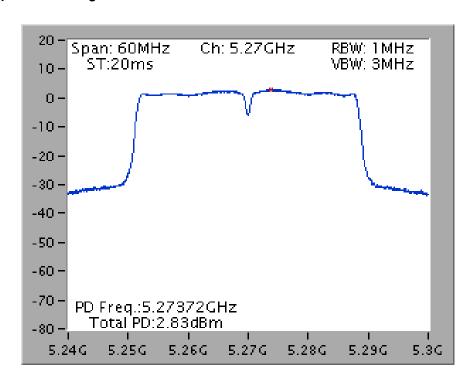




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5270 MHz

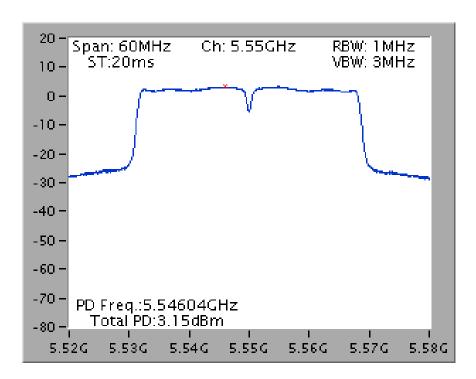


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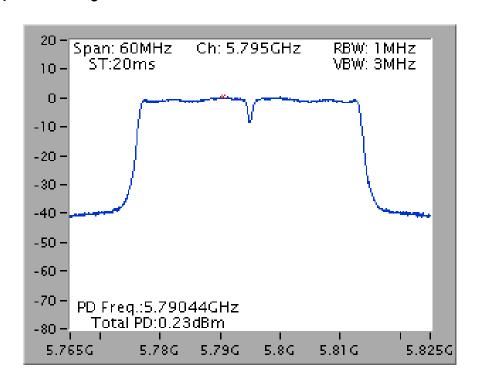




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5795 MHz

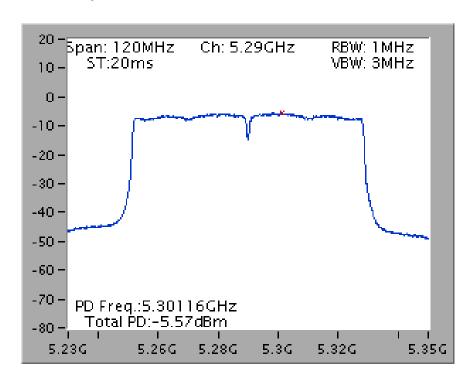


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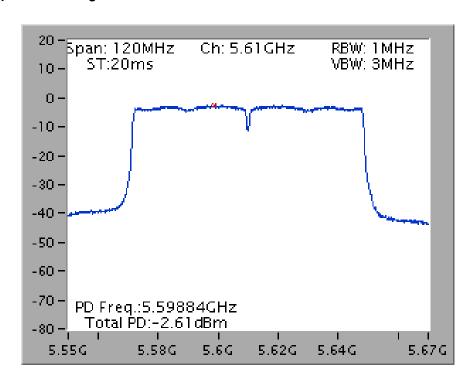




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 2 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5610 MHz

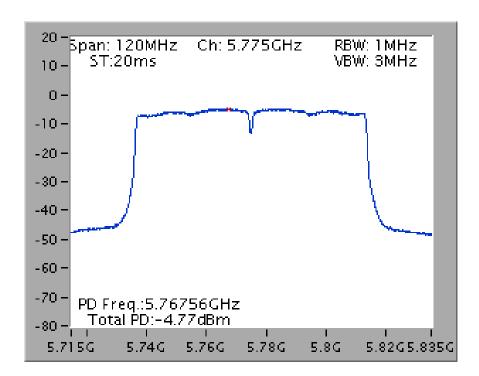


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5775 MHz

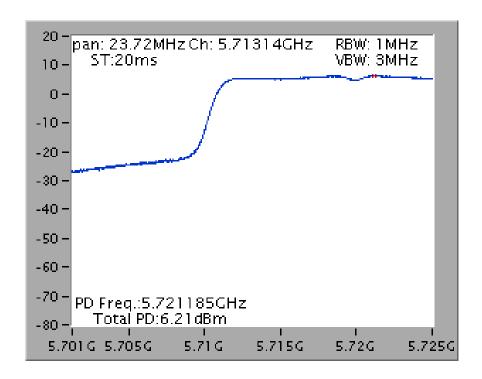


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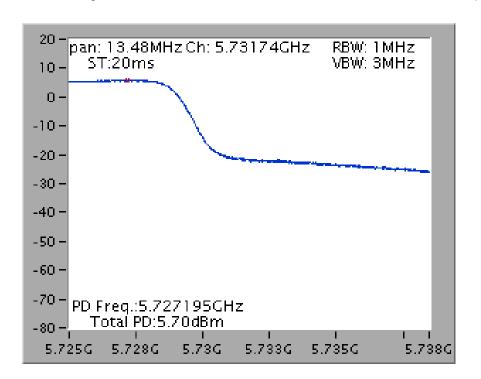




Straddle Channel
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 2C)



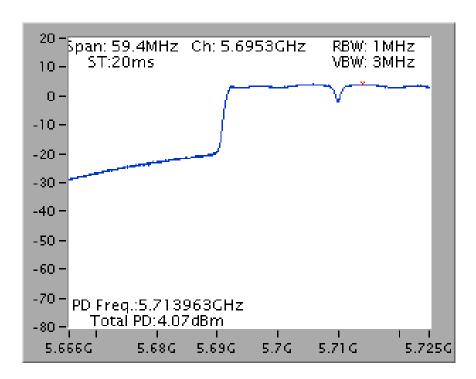
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 2 / 5720 MHz (UNII 3)



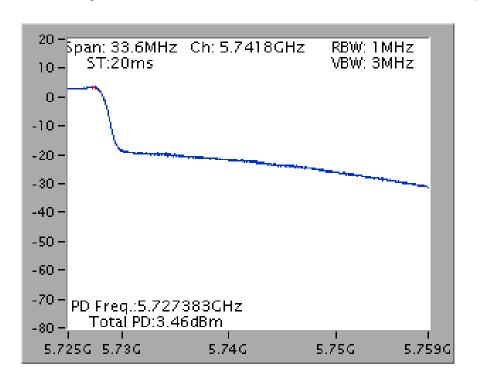




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 2 / 5710 MHz (UNII 3)

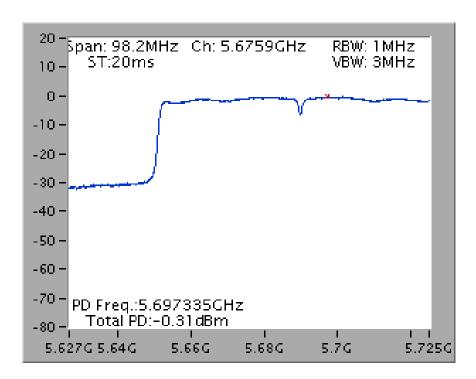


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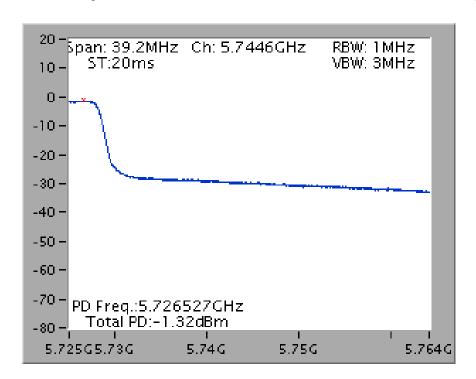




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 2 / 5690 MHz (UNII 3)

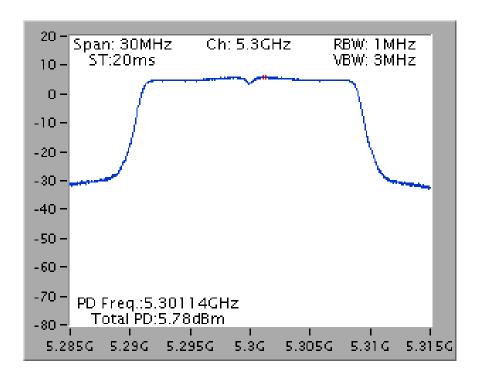


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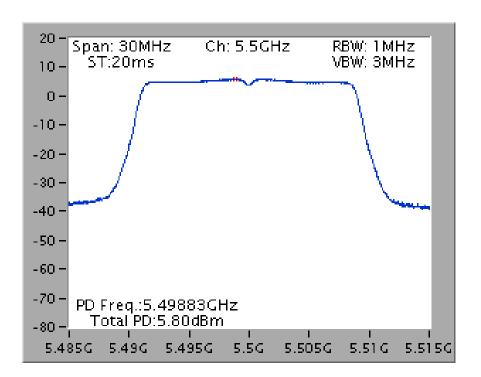


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz

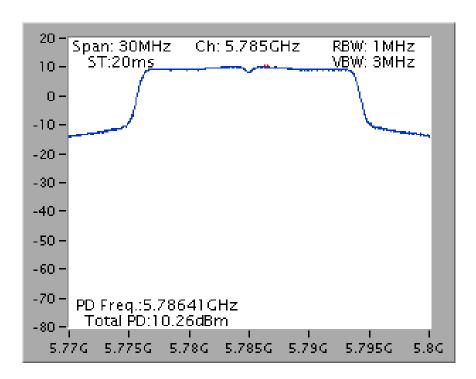


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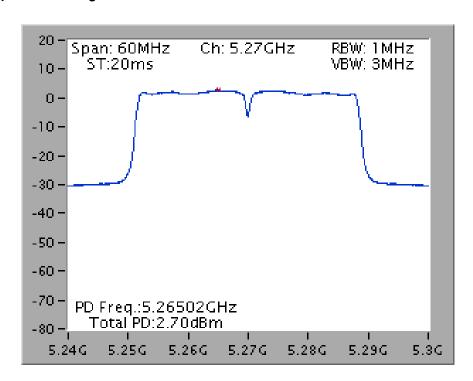




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz

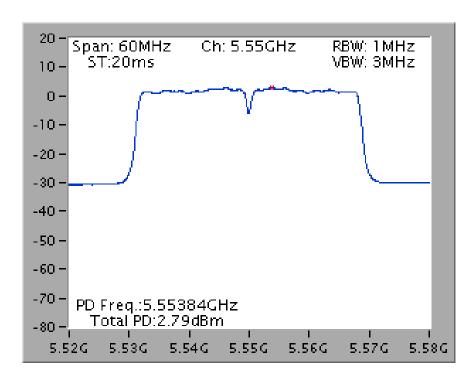


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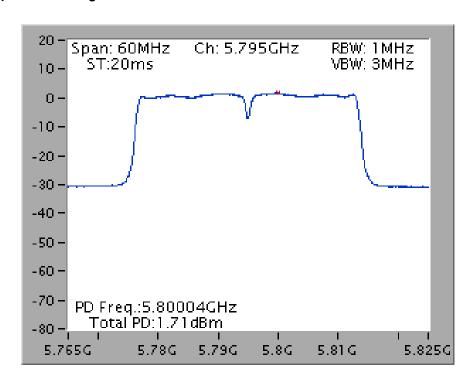




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz

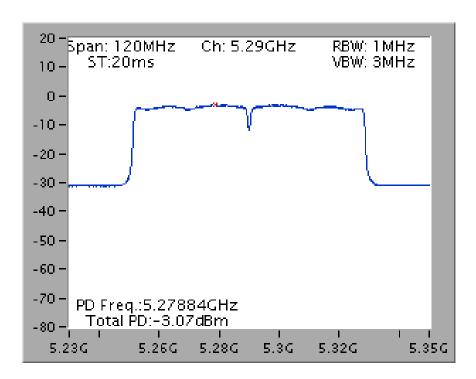


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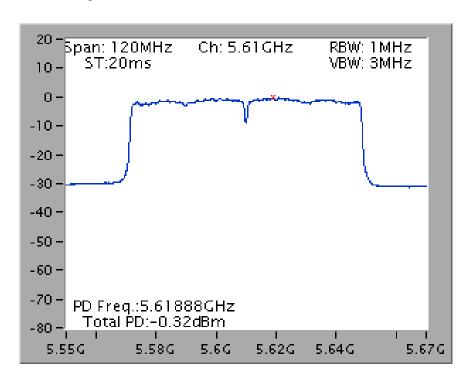




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



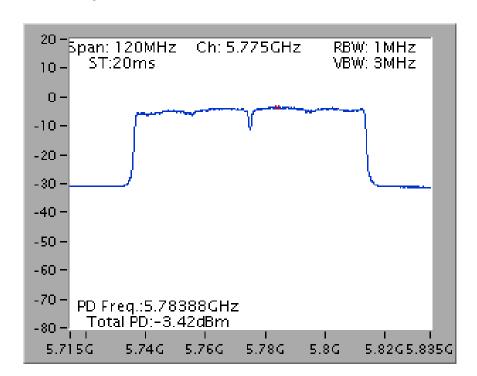
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz



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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



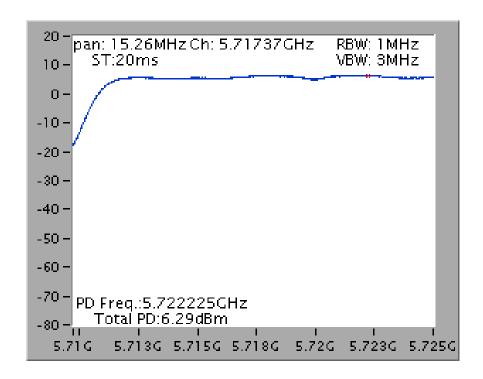
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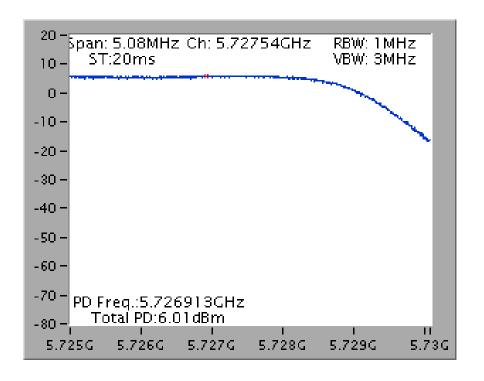


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 3)

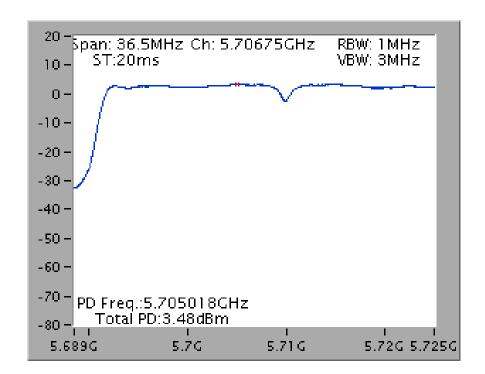


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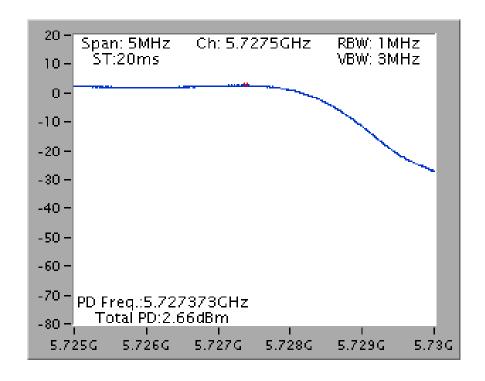




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 2C)



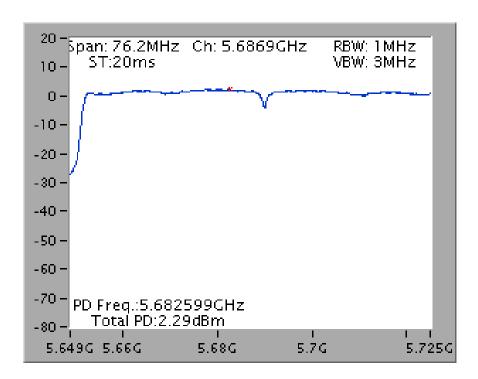
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 3)



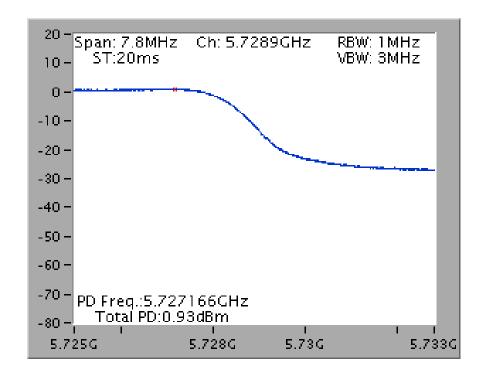




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 3)

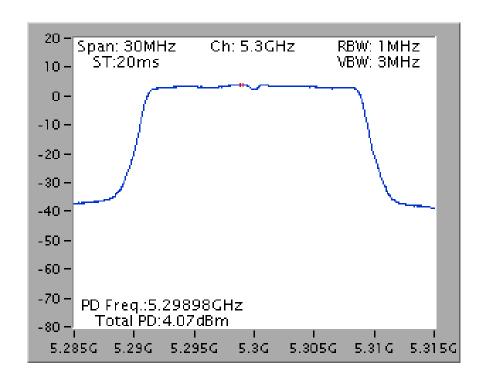




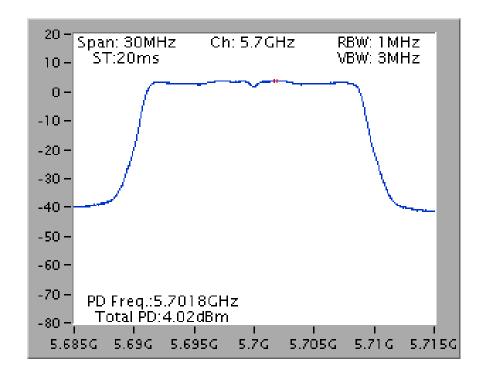


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5300 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



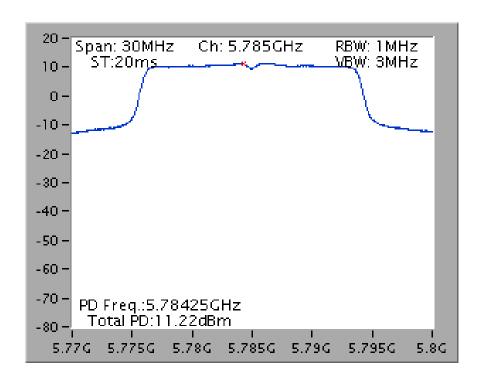
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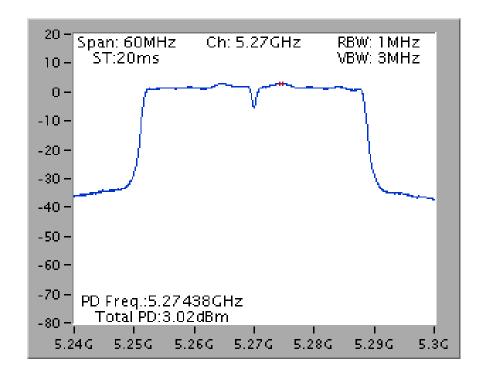




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz

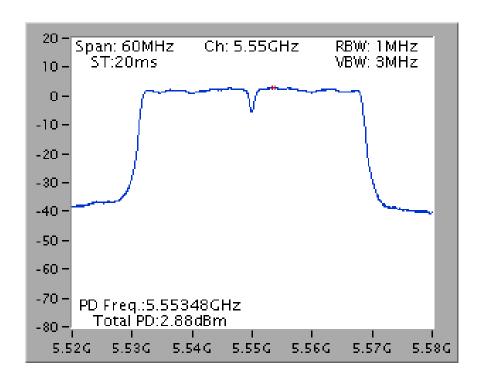


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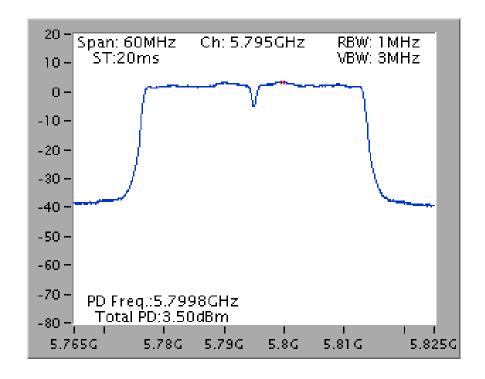




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz

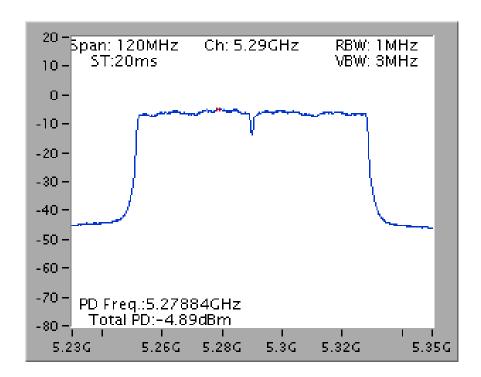


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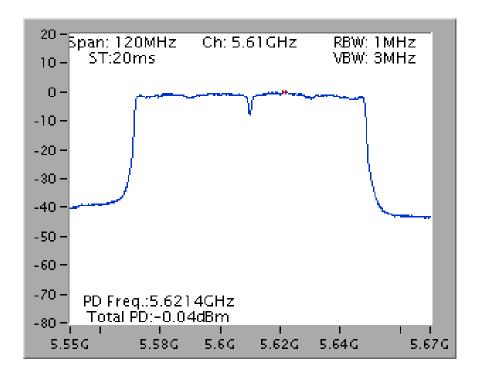




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz

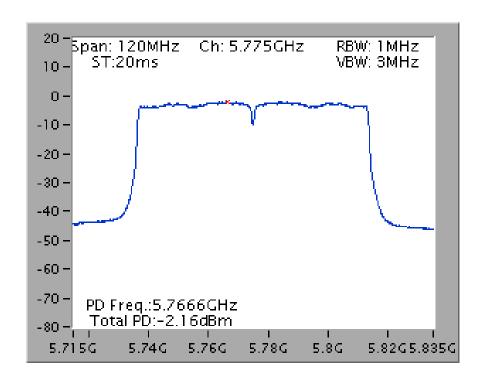


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



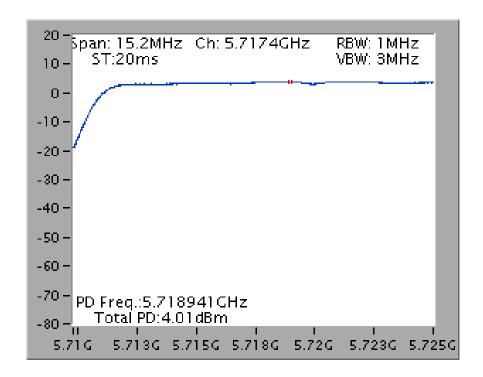
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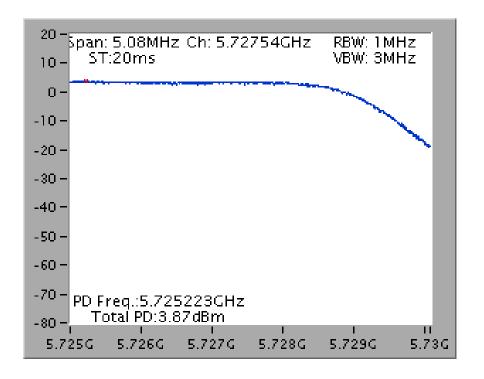


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)

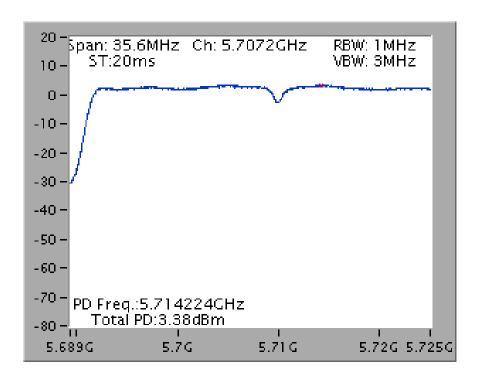


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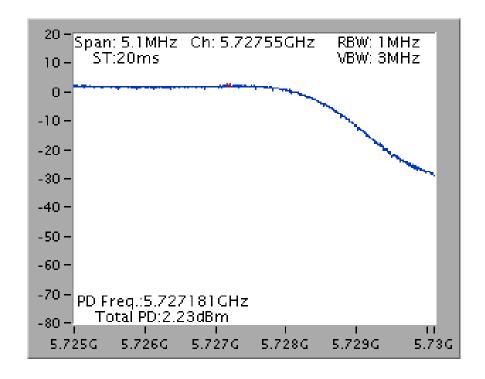




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



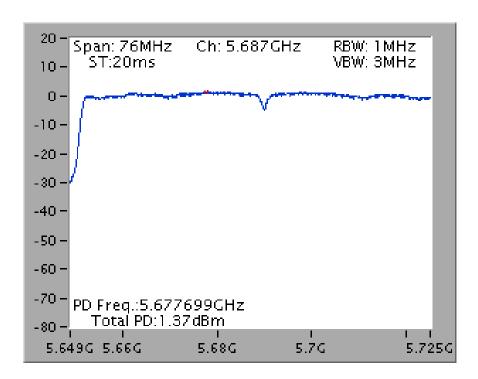
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



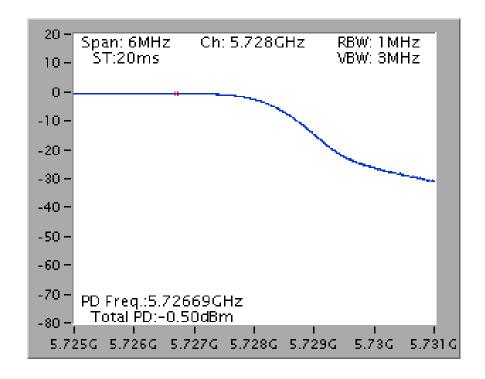




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)

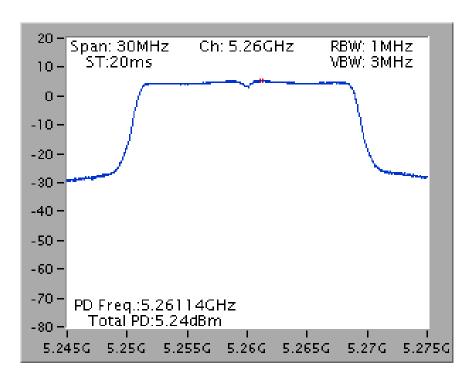




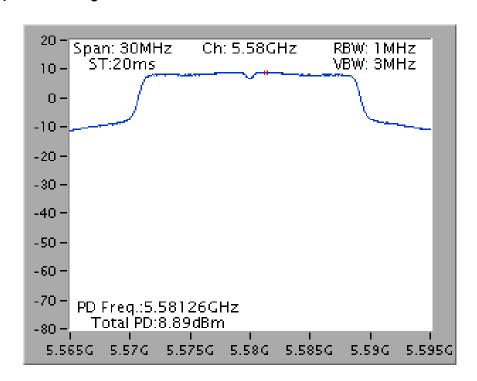


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 1TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5260 MHz



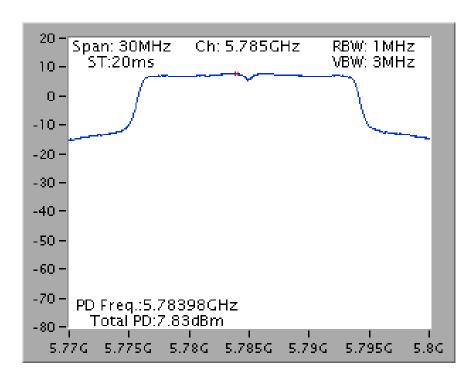
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5580 MHz



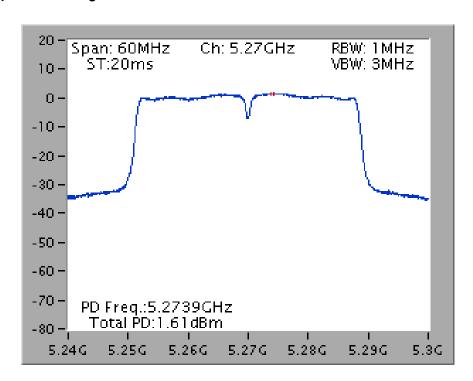




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT20 / Chain 1 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5270 MHz

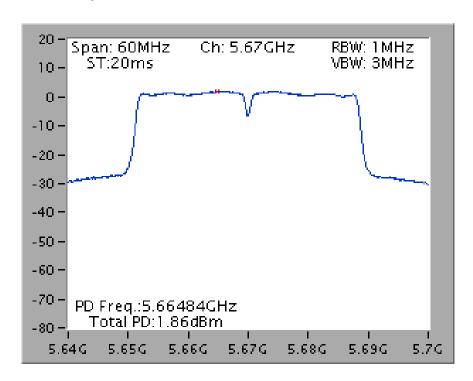


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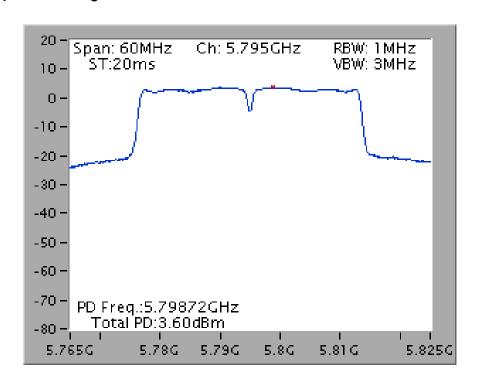




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5670 MHz



Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT40 / Chain 1 / 5795 MHz

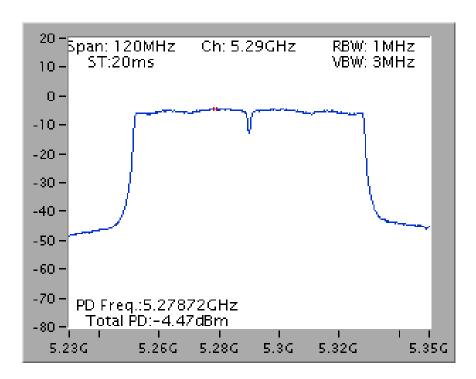


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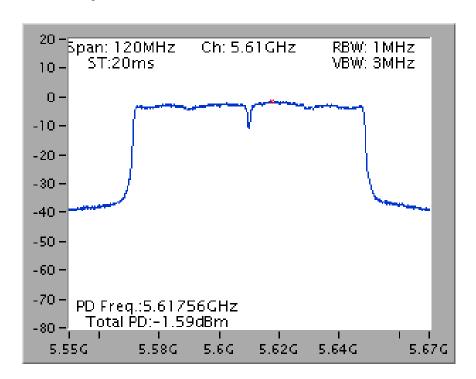




Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 1 / 5290 MHz



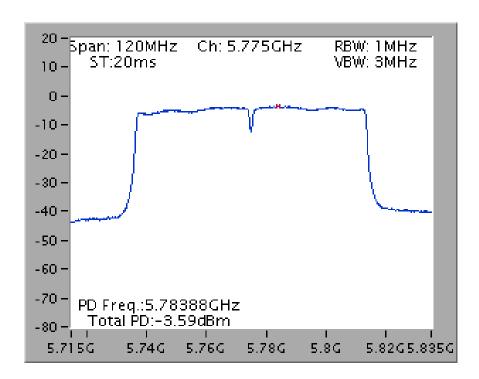
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5610 MHz



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Power Density Plot on Configuration IEEE 802.11ac MCSO/Nss1 VHT80 / Chain 1 / 5775 MHz

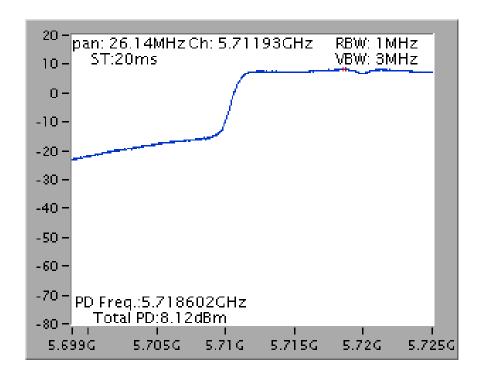


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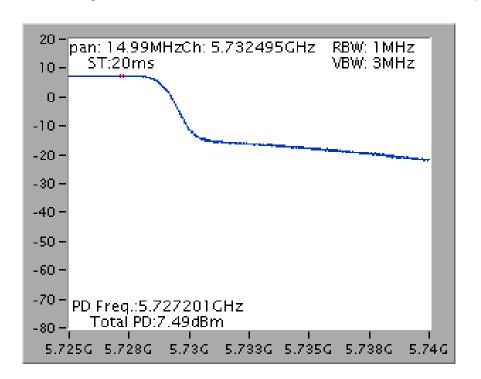




Straddle Channel
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 2C)



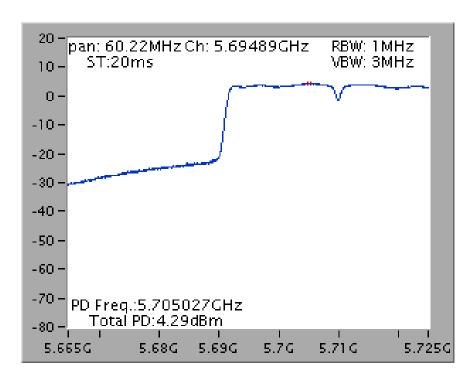
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 / 5720 MHz (UNII 3)



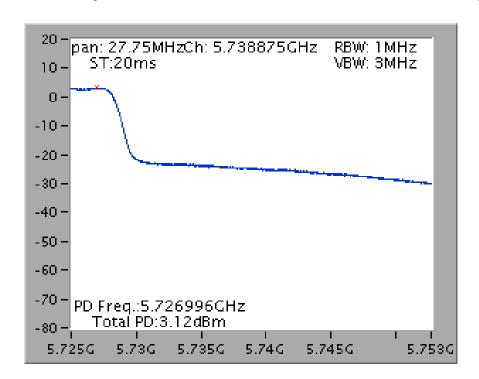




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 / 5710 MHz (UNII 3)

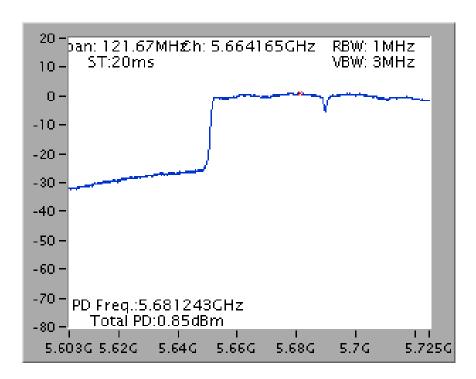


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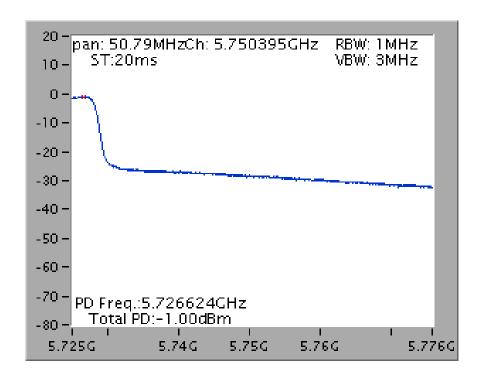




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 / 5690 MHz (UNII 3)



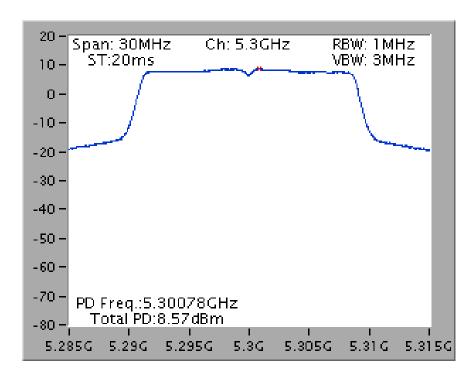
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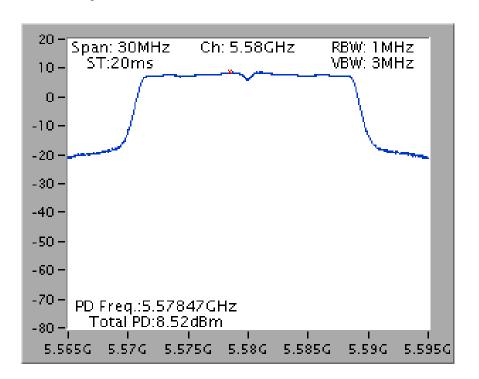


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5300 MHz



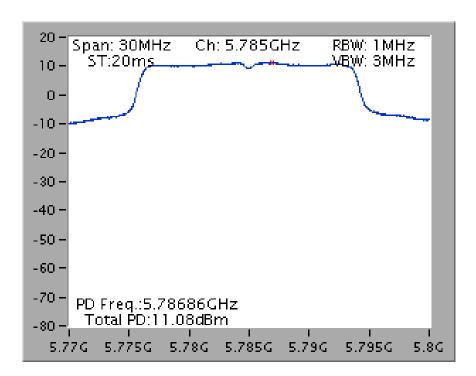
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



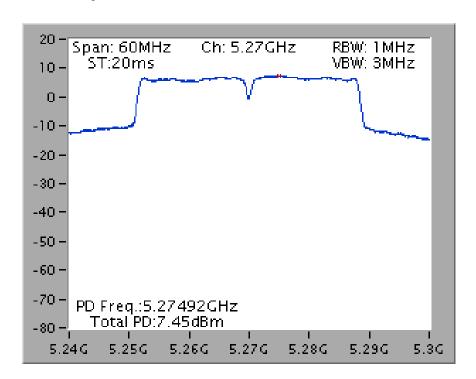




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz

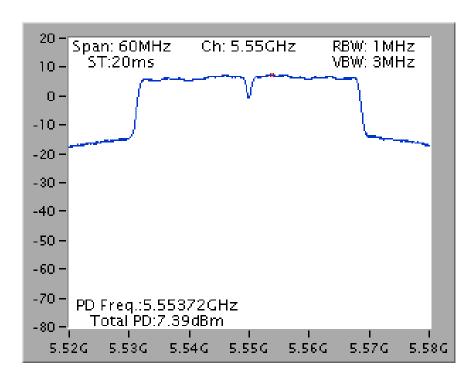


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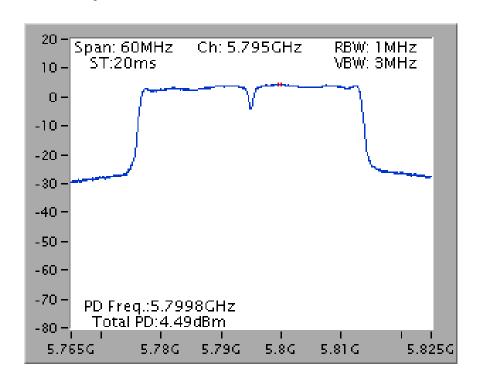




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz

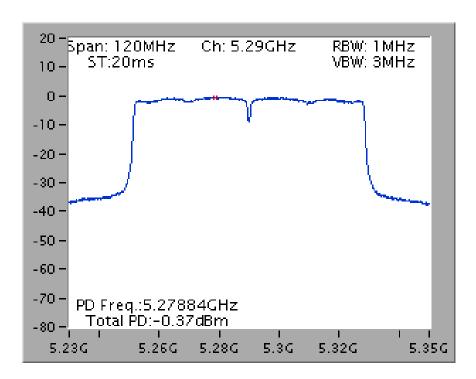


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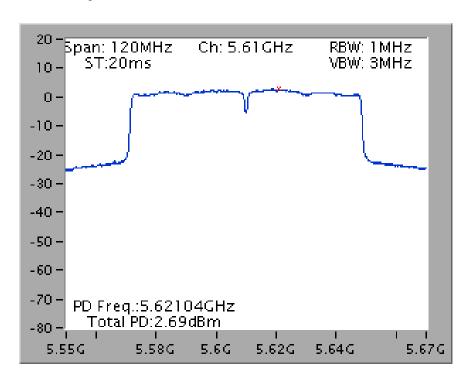




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



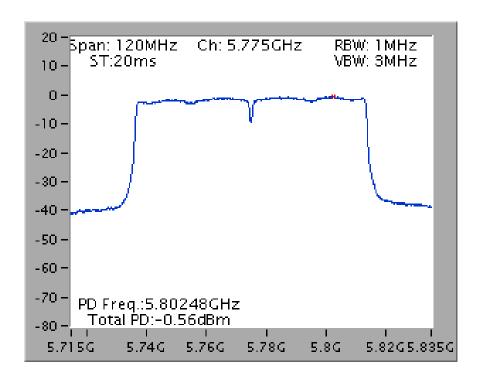
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz



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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



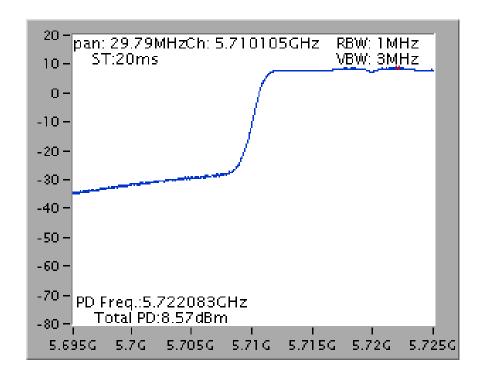
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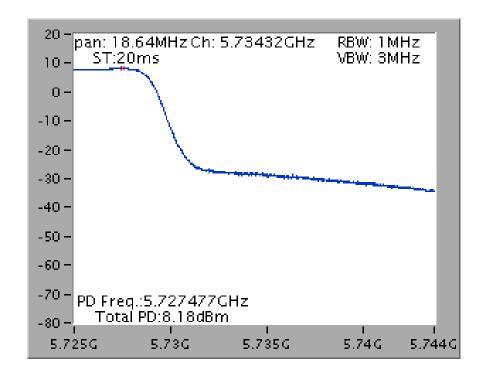


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 3)



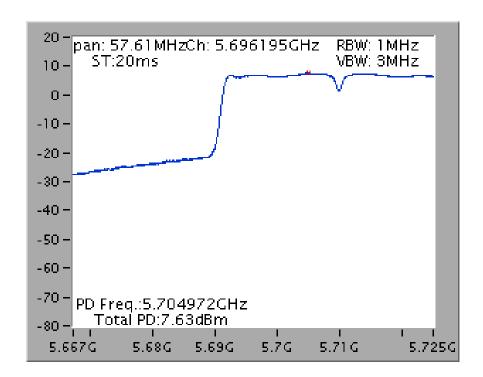
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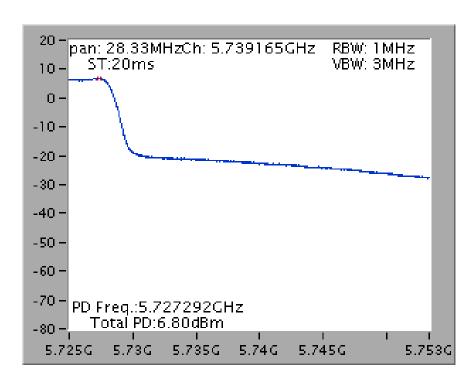




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 3)

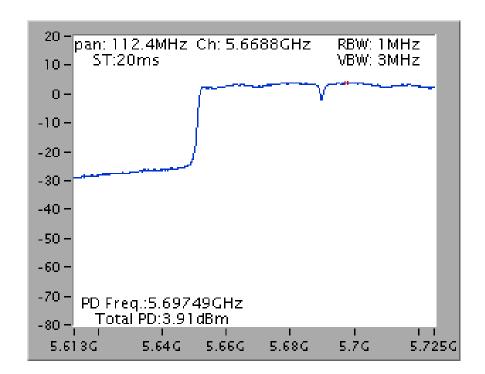


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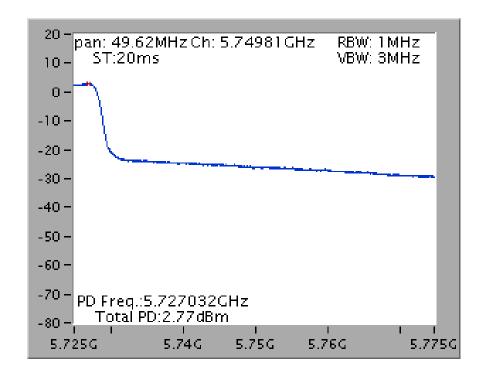




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 3)

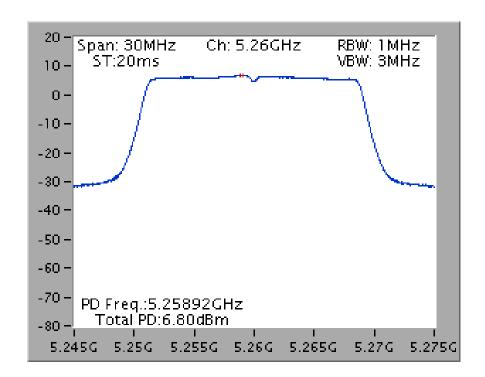




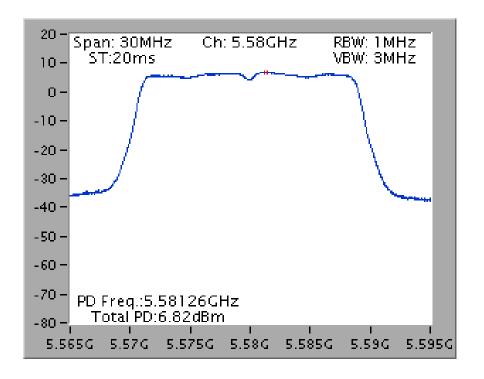


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



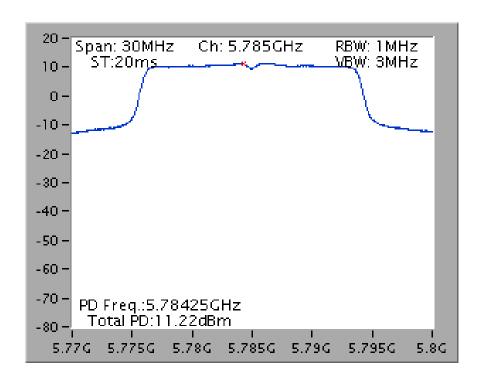
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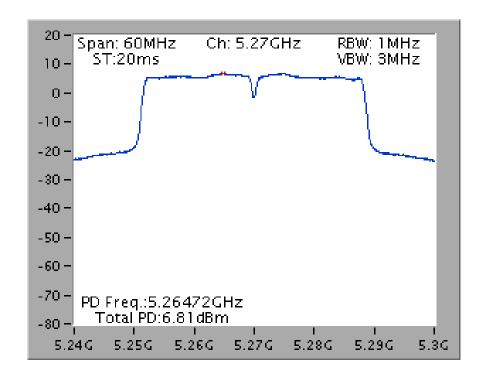




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



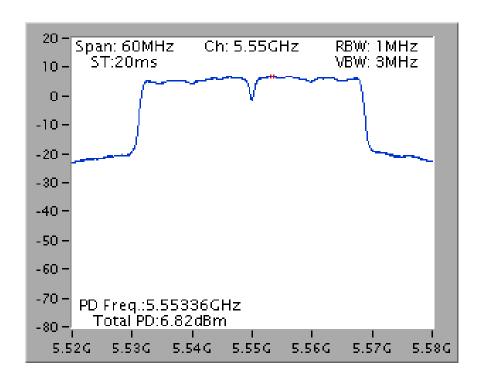
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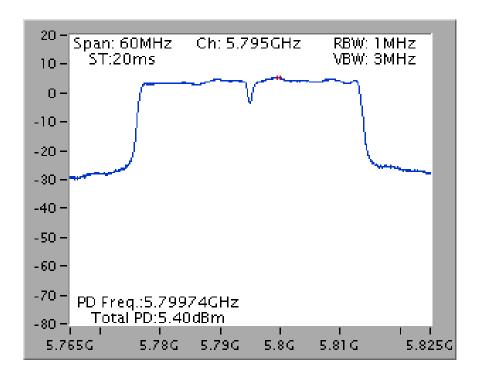




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz

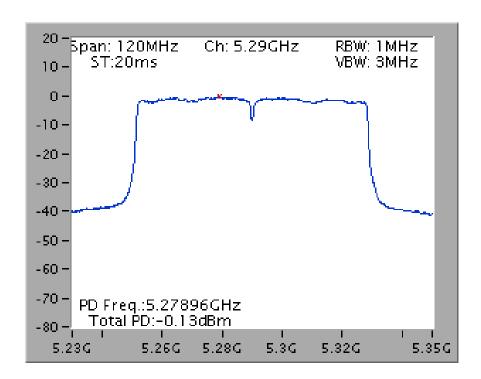


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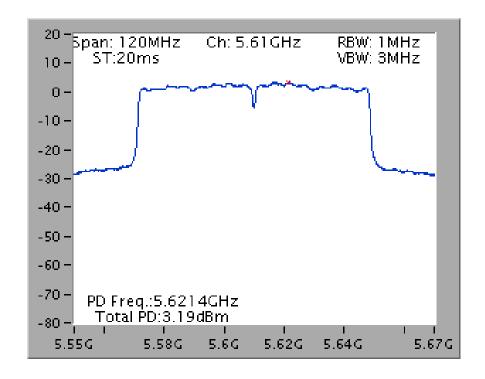




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



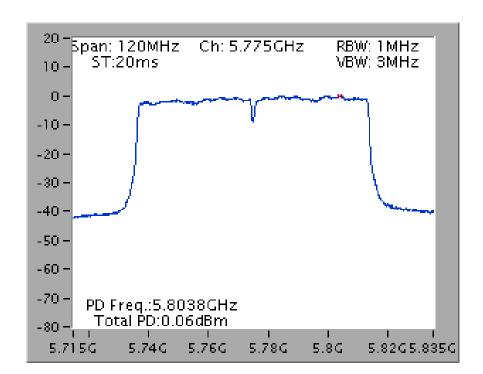
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



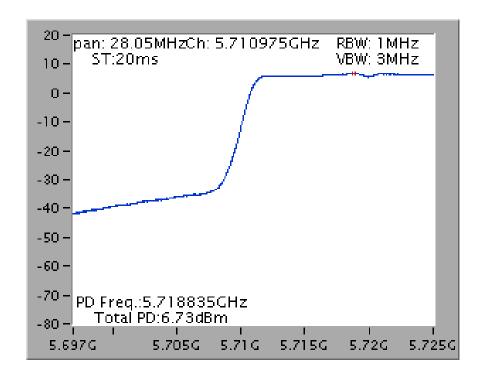
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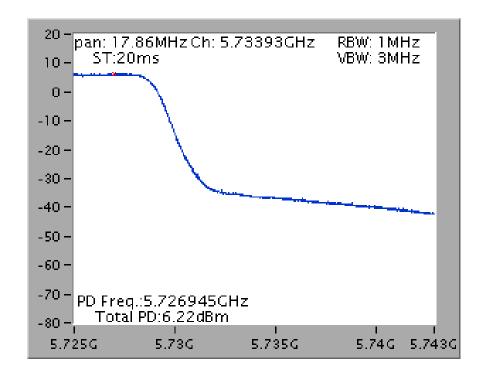


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



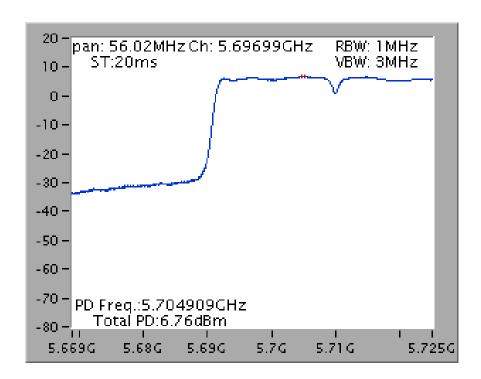
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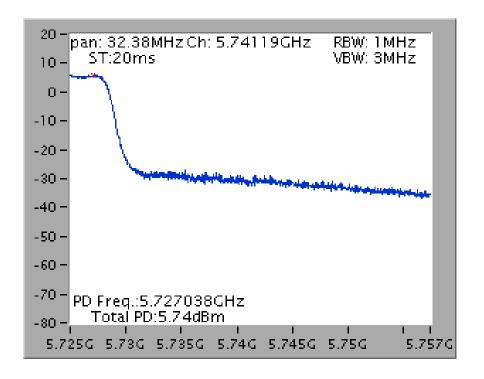




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



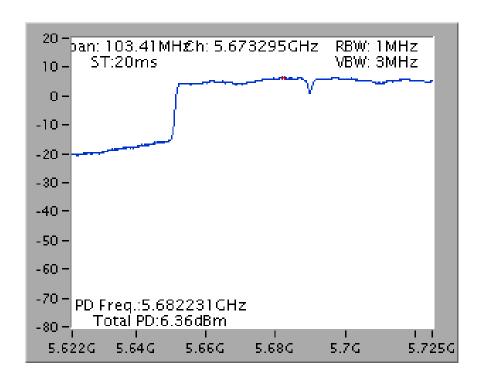
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



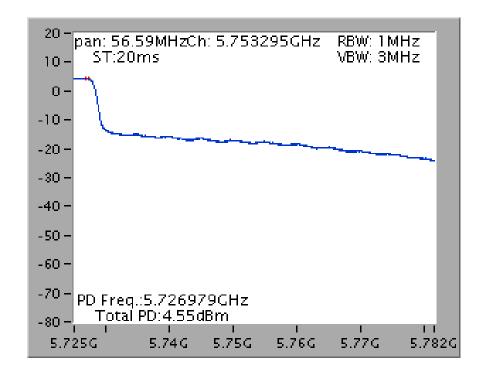




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)





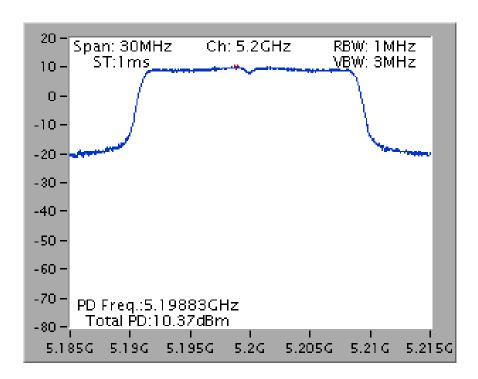


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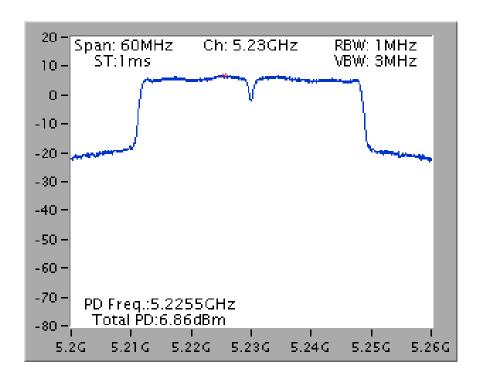
For indoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



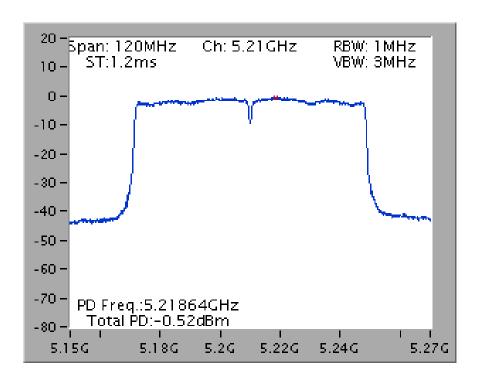
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



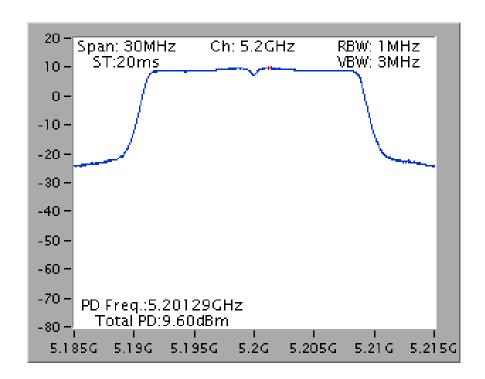
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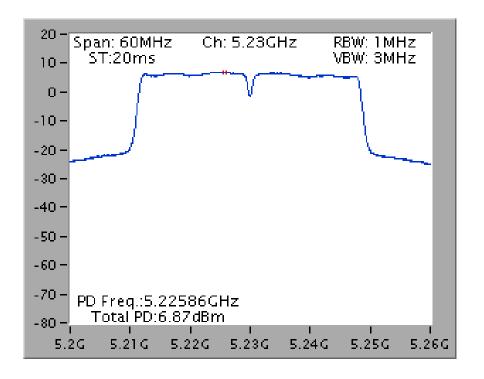


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



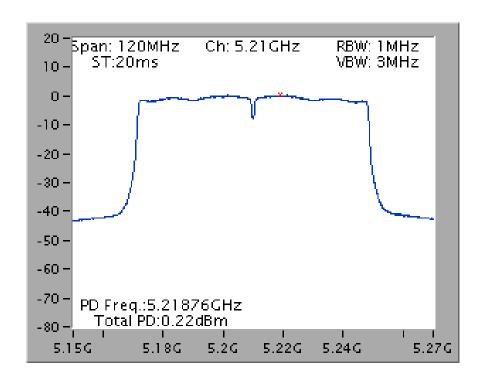
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz

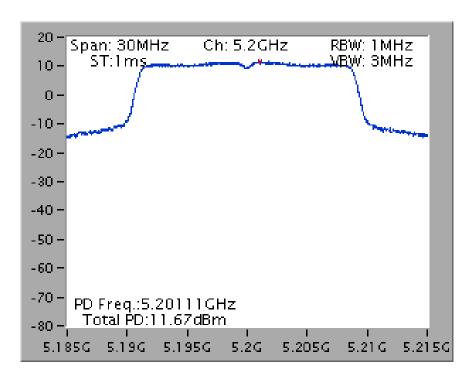


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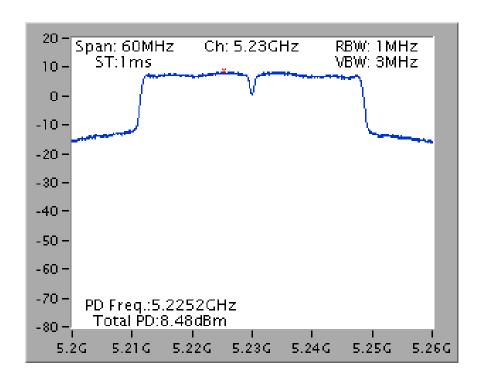




Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



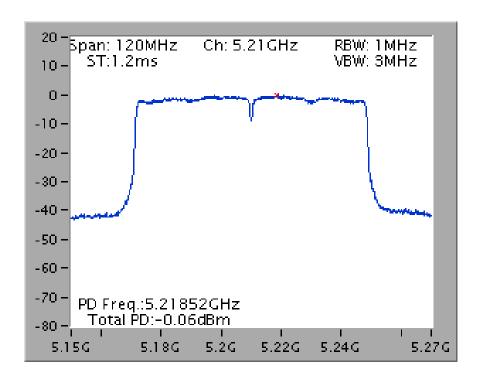
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



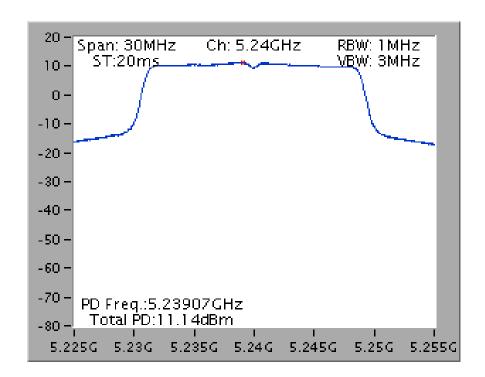
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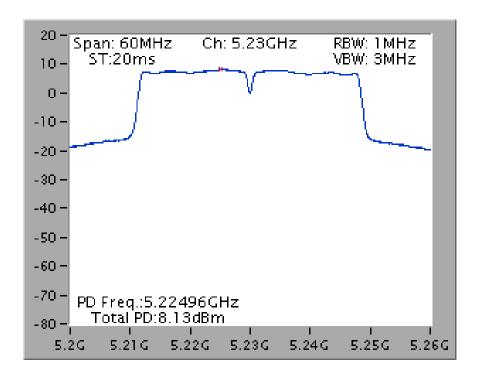


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



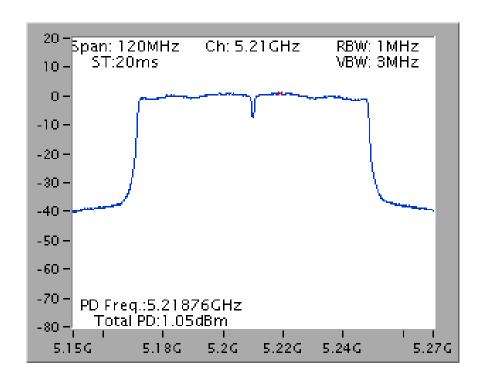
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



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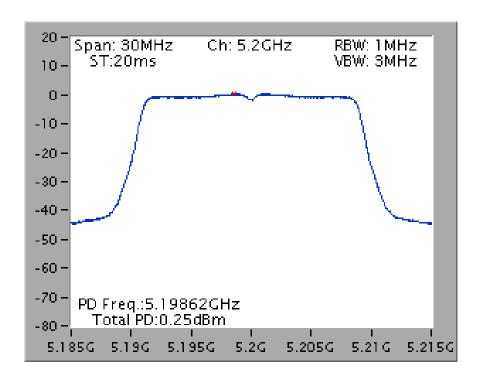




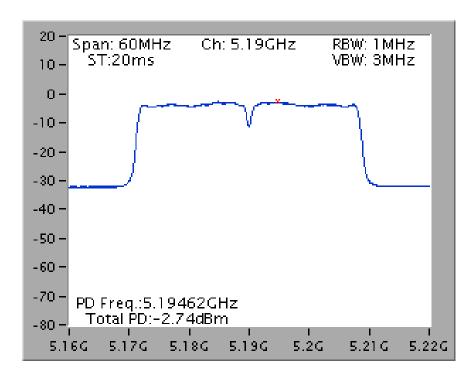
For outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



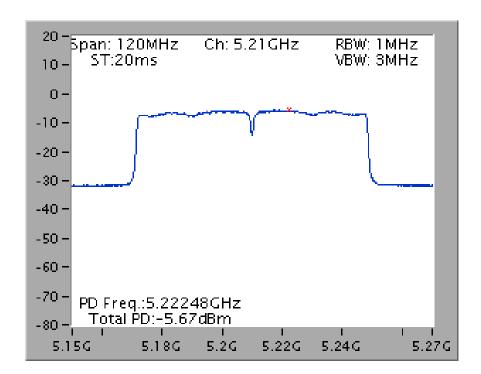
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz



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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



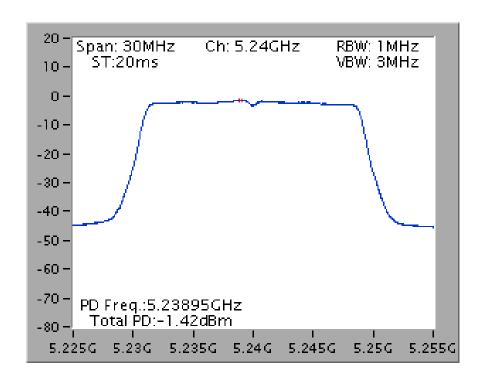
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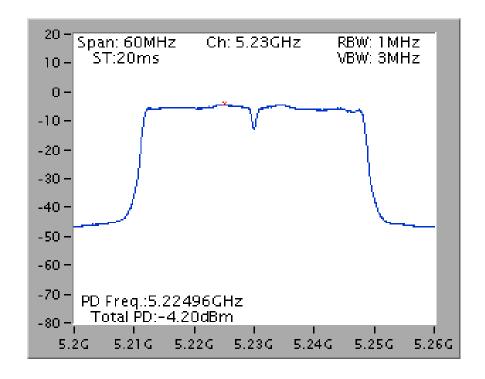


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



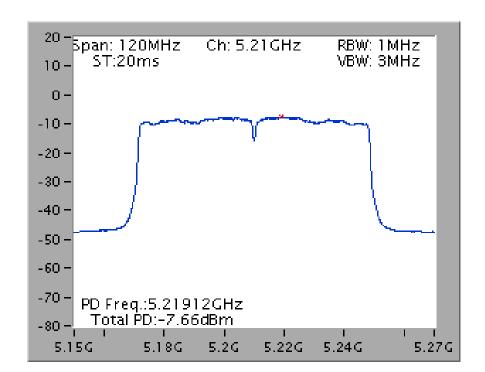
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz

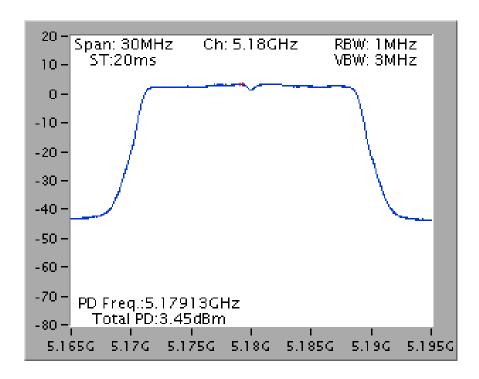


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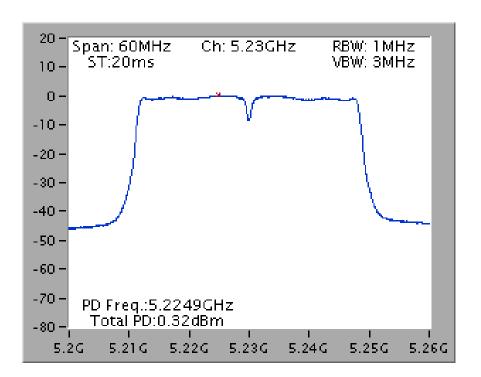




Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



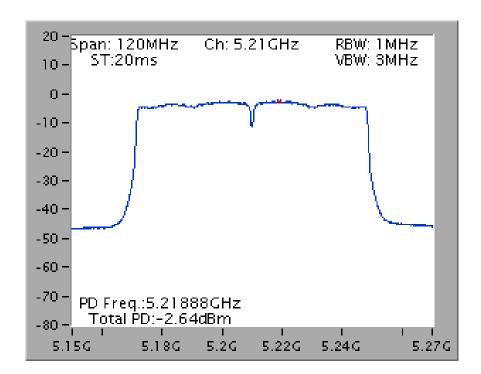
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



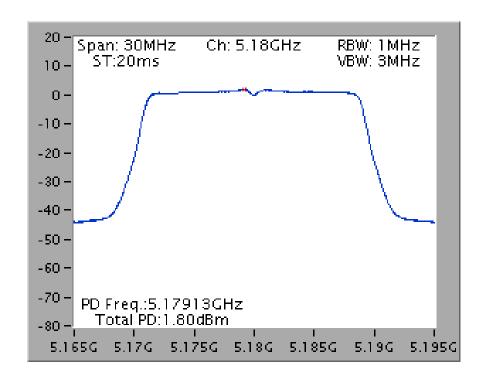
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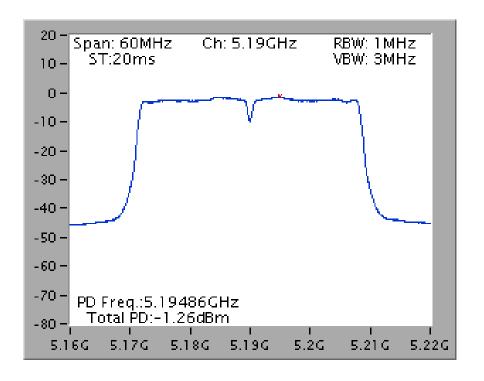


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5180 MHz



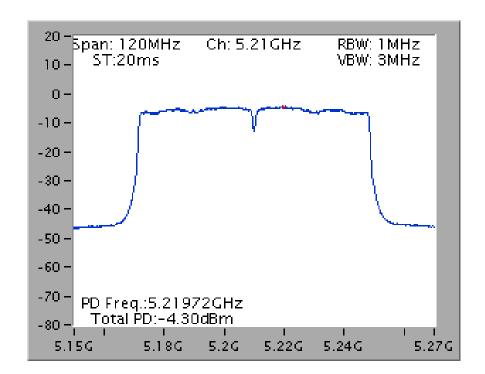
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5190 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz

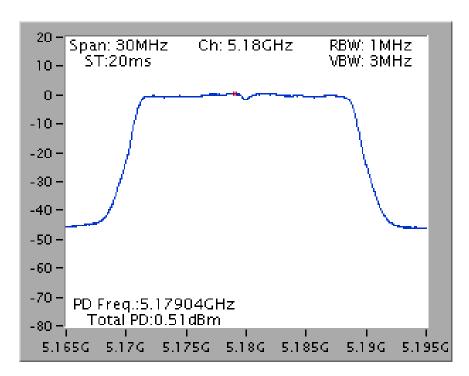


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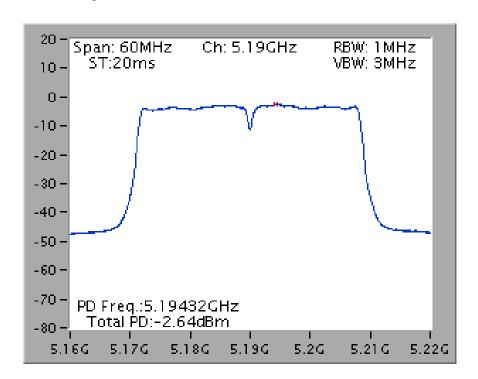




Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz

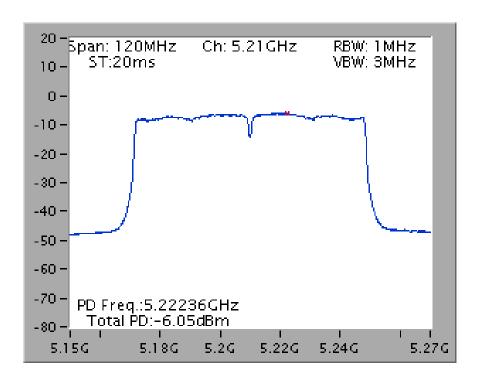


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



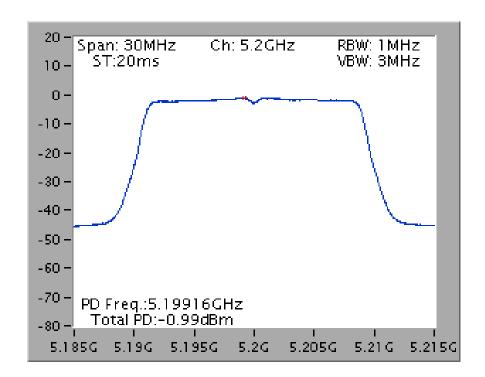
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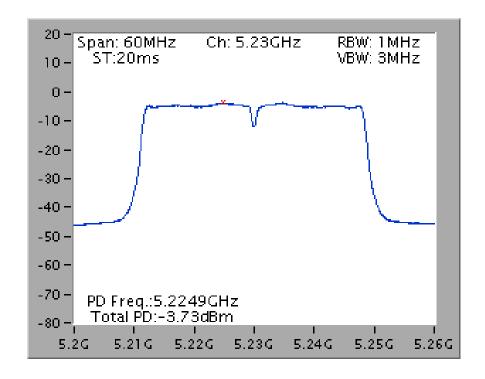


Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



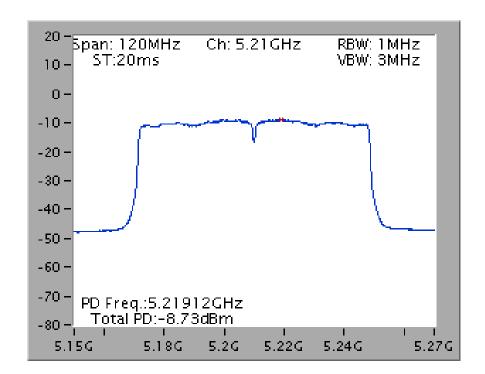
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



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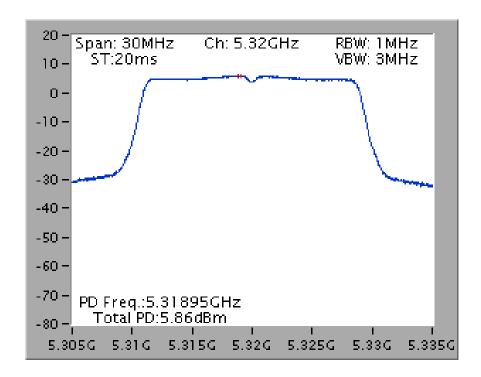




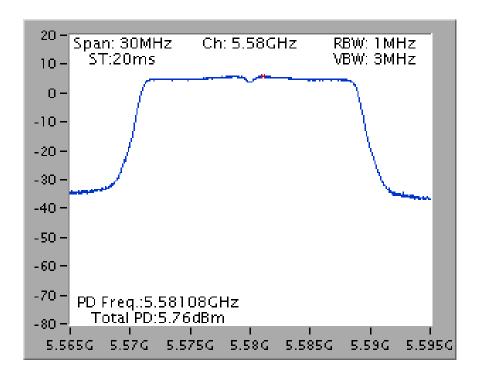
For indoor / outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5320 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz

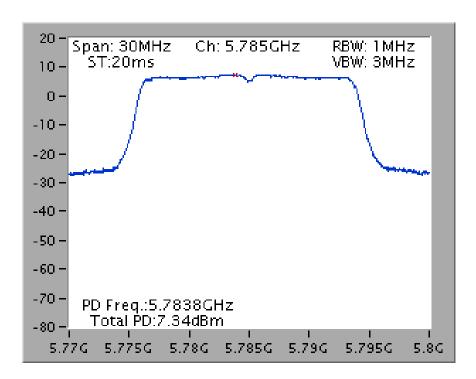


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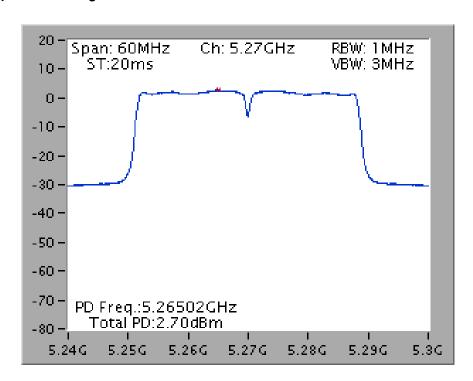




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz

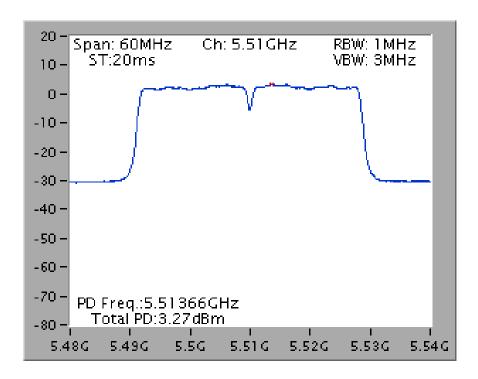


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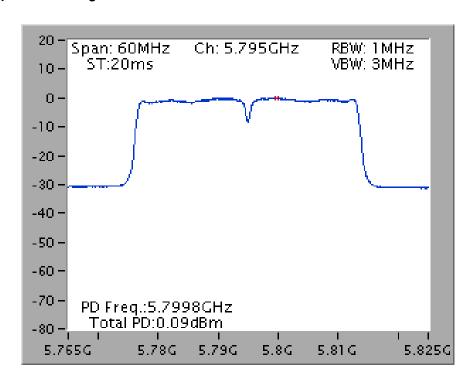




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5510 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz

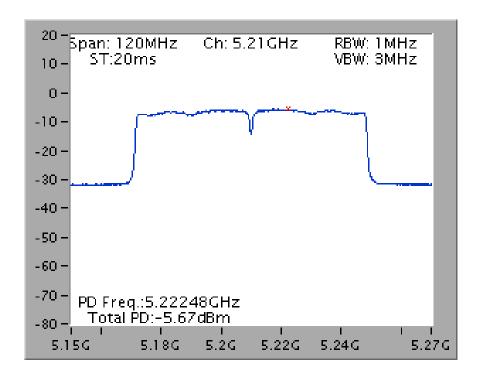


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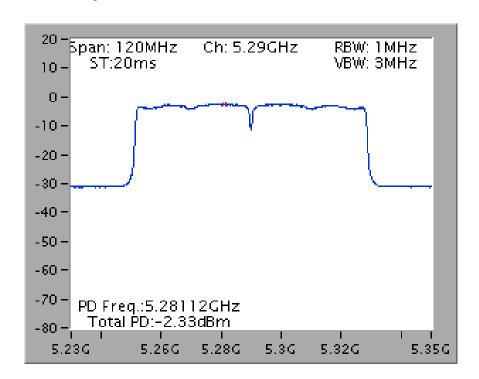




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz

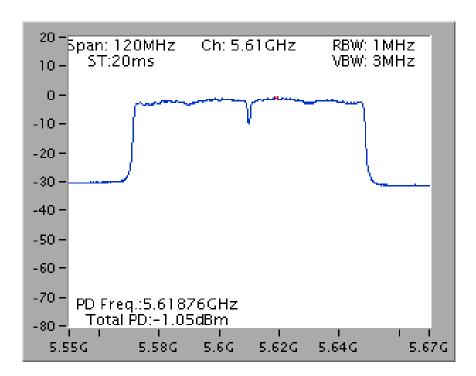


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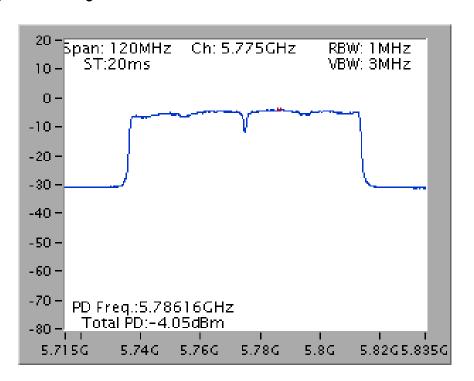




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



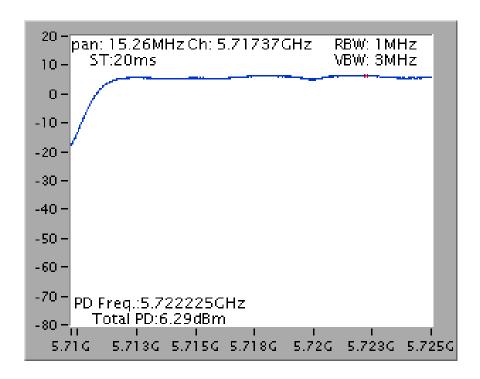
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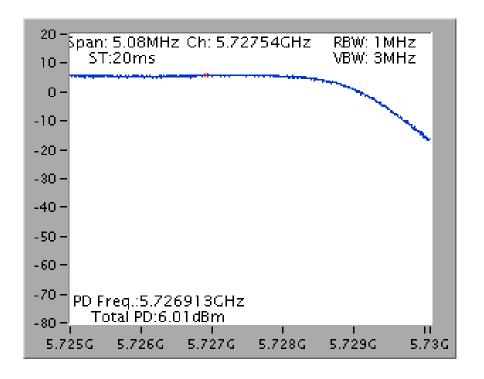


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 3)

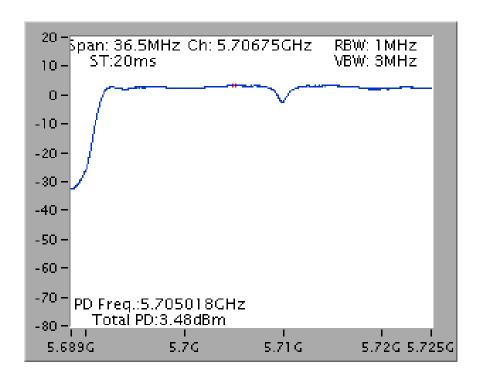


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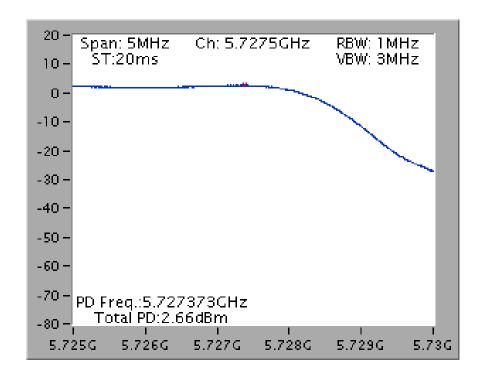




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 2C)



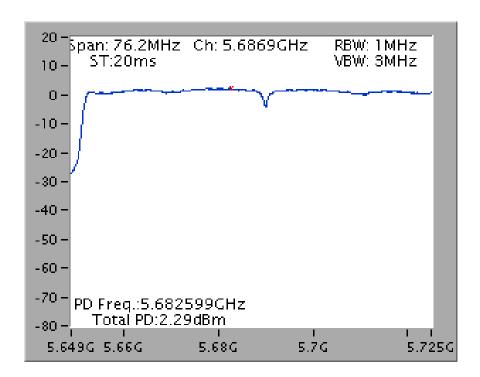
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 3)



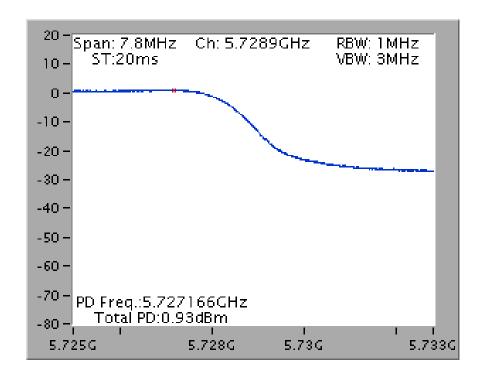




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 3)

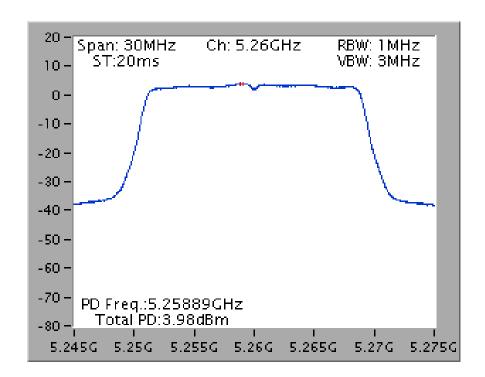




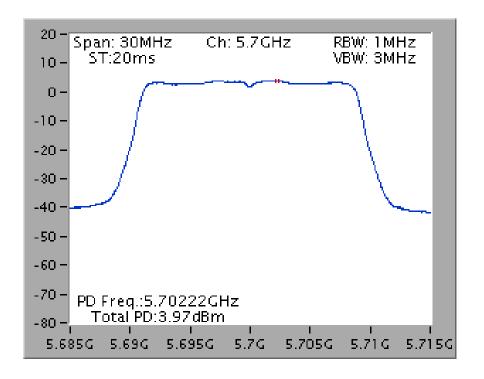


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



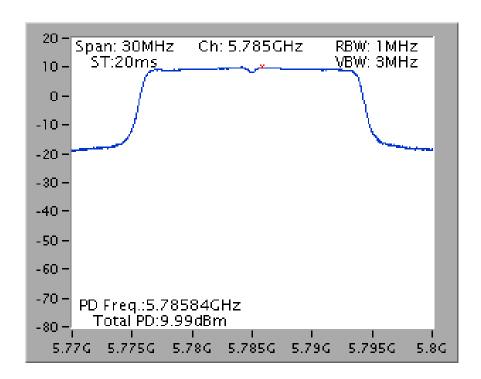
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5700 MHz



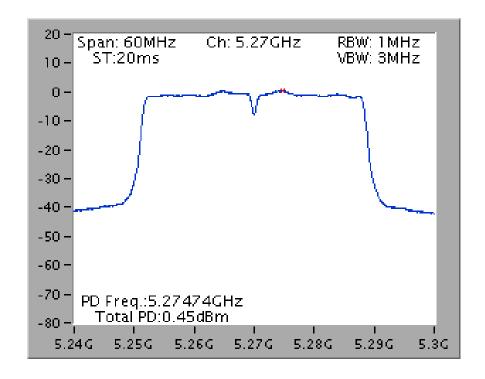




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



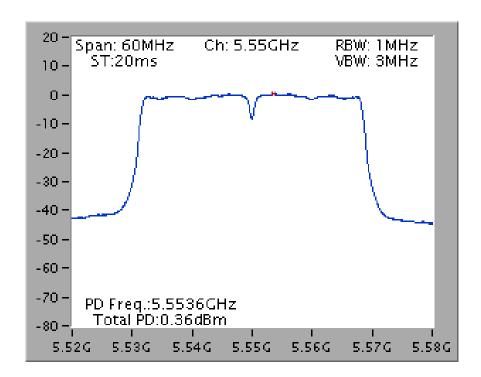
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz



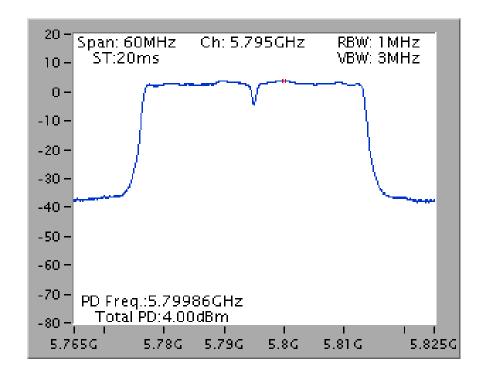




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



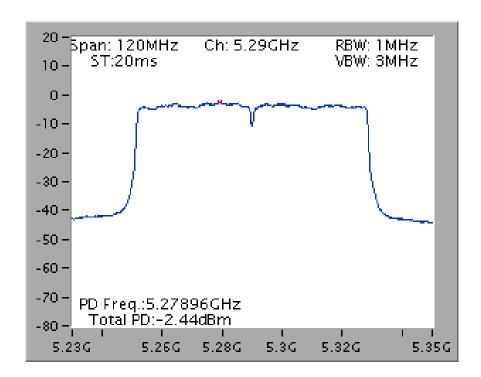
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



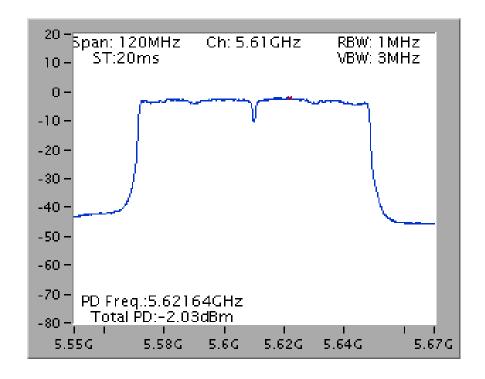




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz

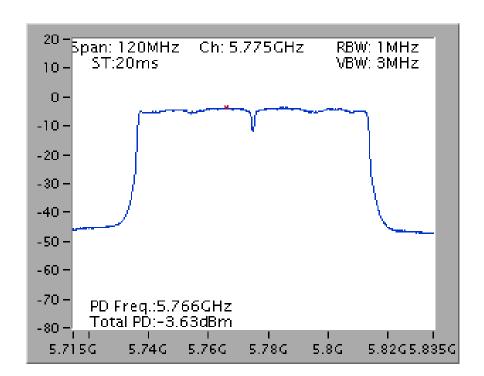


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



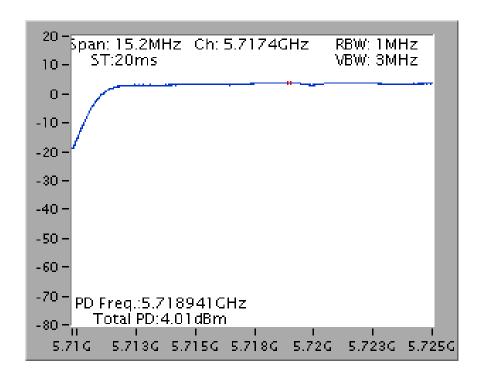
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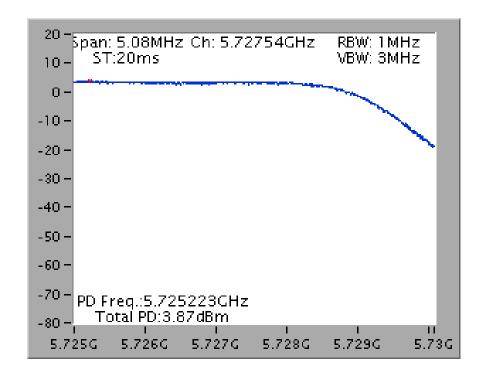


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



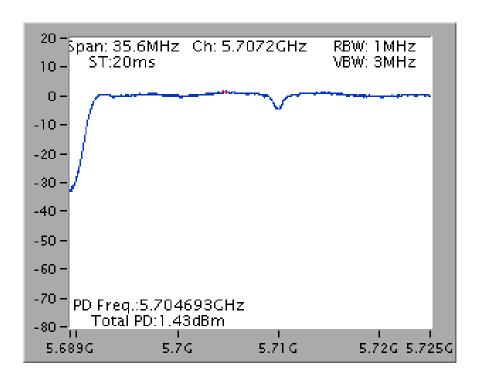
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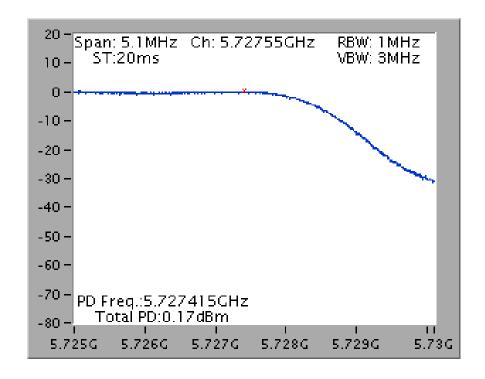




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)

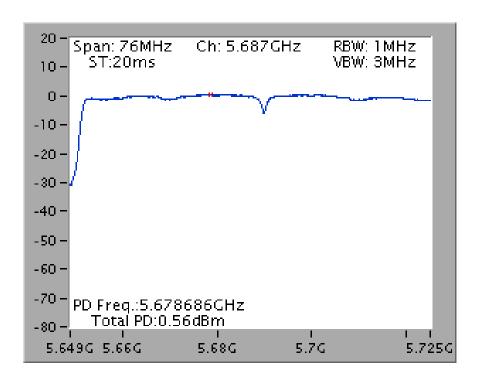


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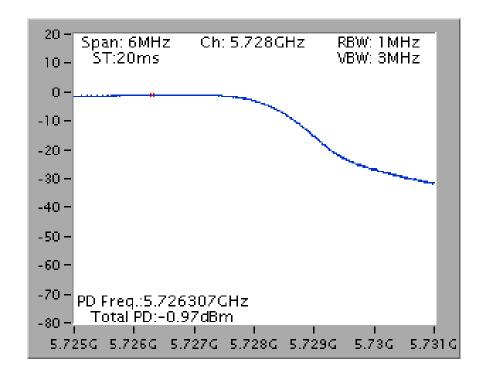




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)

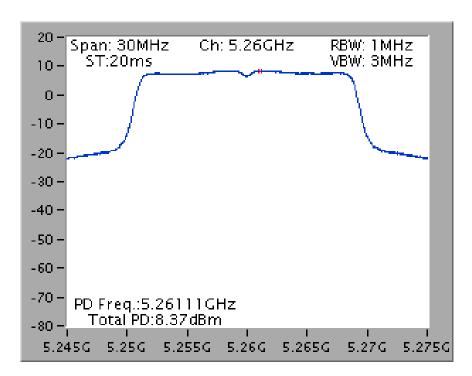




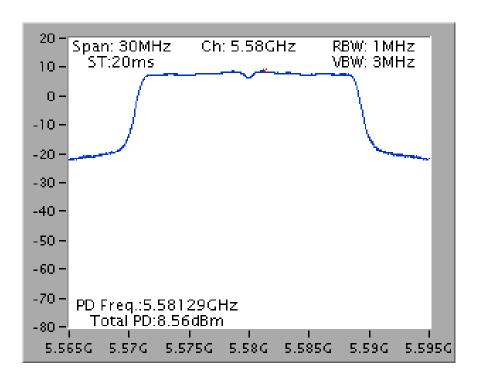


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



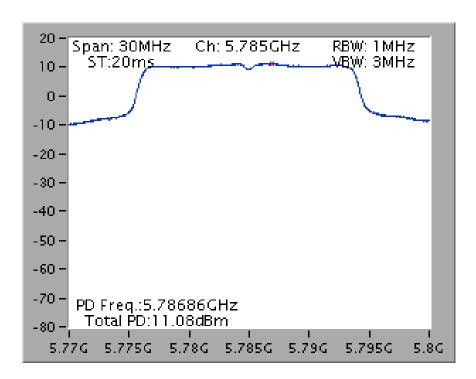
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz



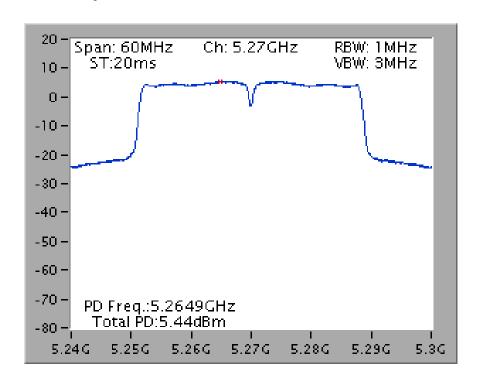




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz

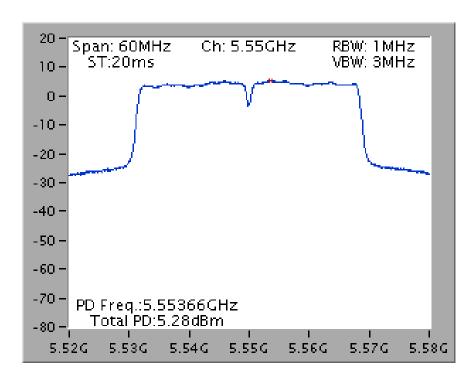


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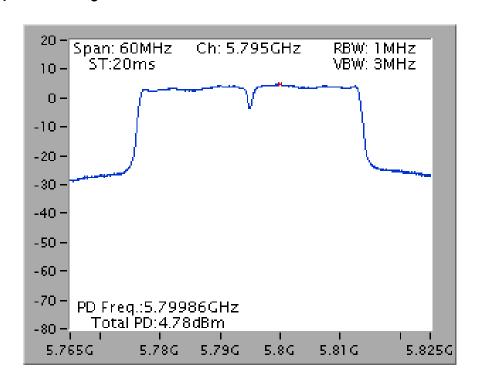




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz

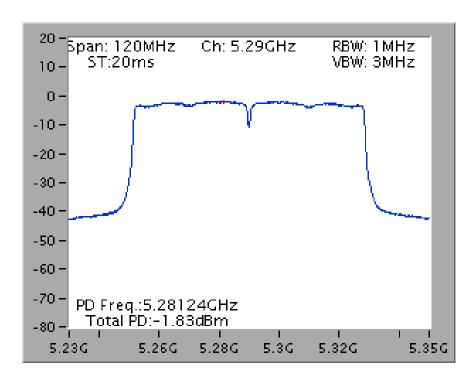


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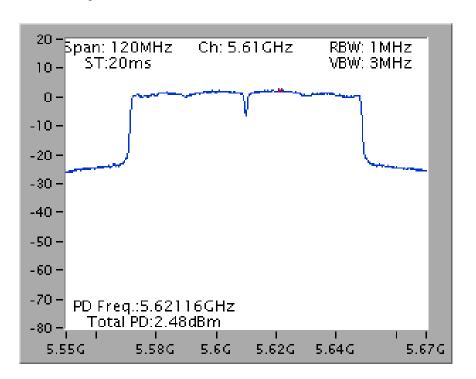




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



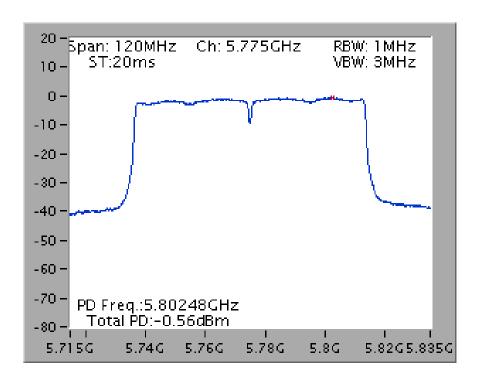
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz



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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



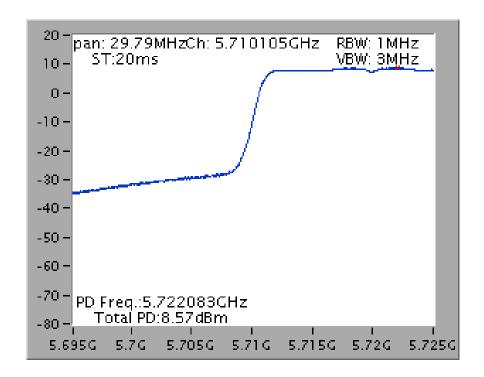
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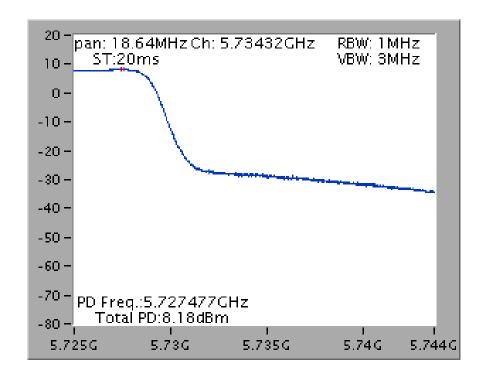


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 3)



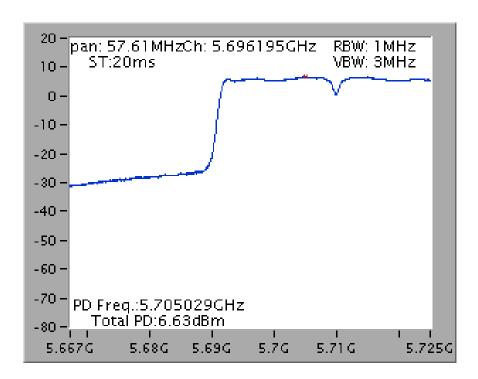
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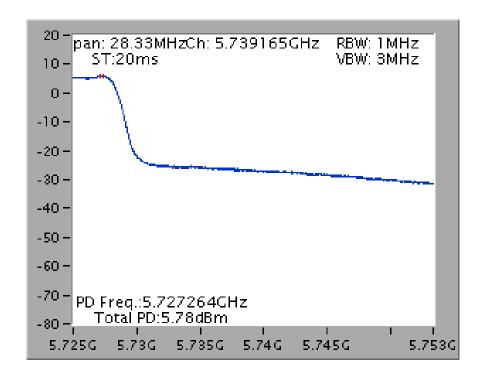




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 3)



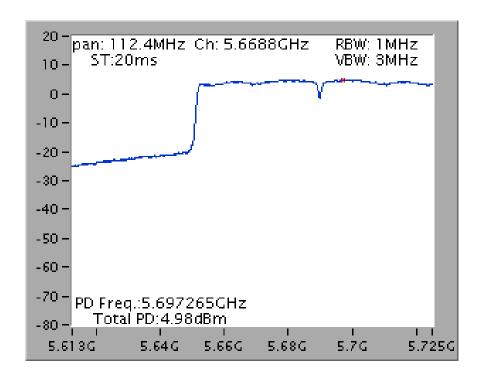
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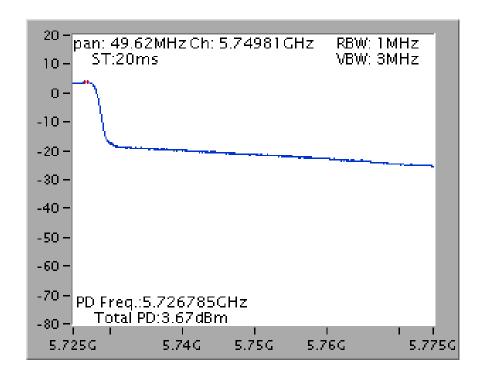




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 3)

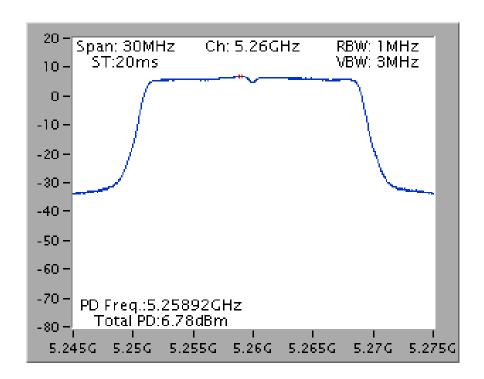




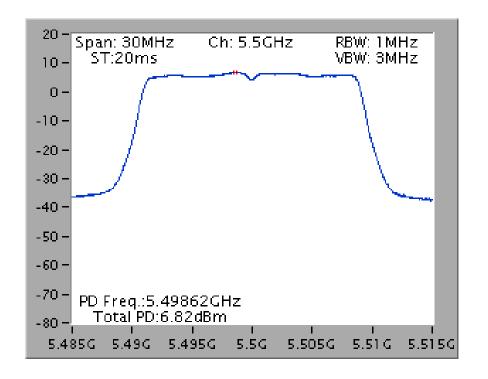


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5500 MHz



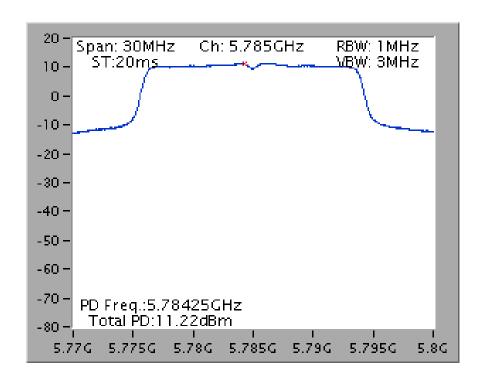
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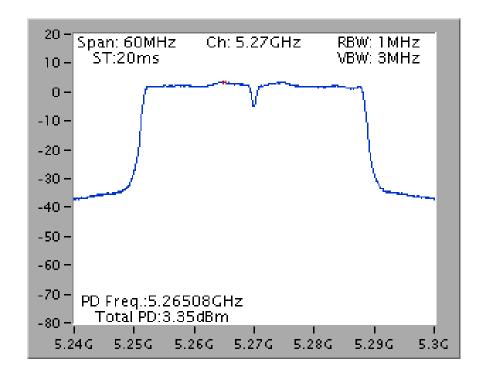




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz

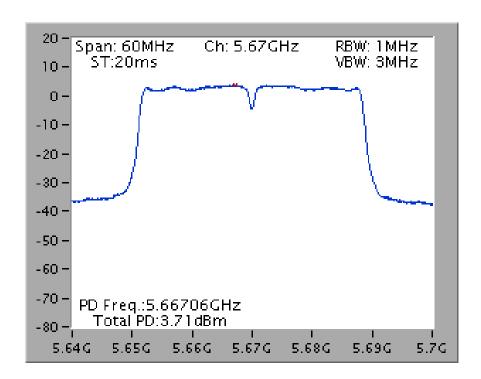


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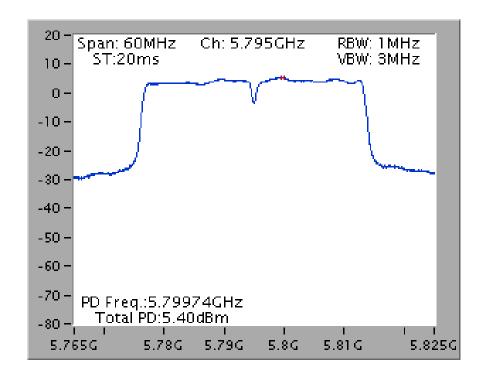




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz

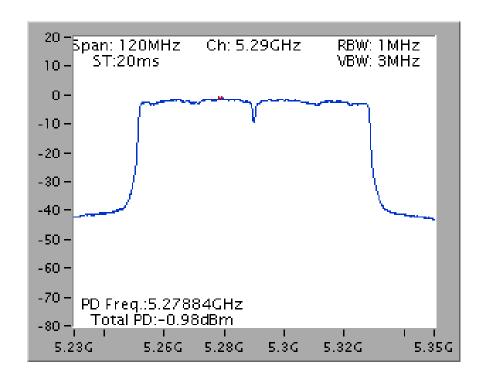


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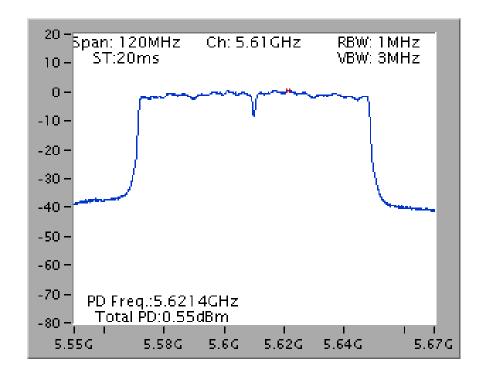




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz

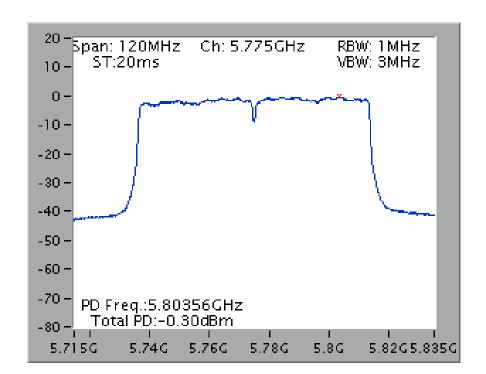


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



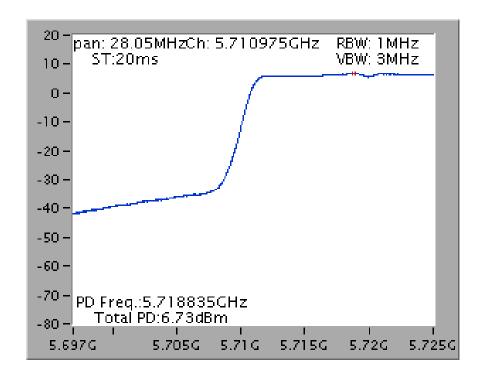
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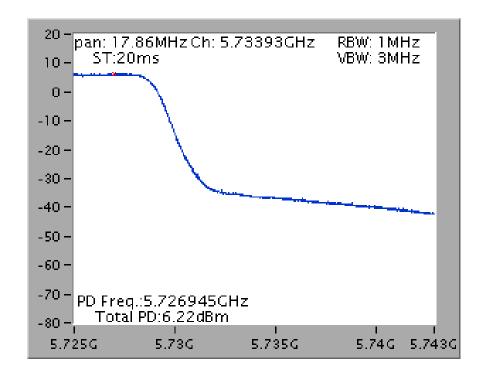


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



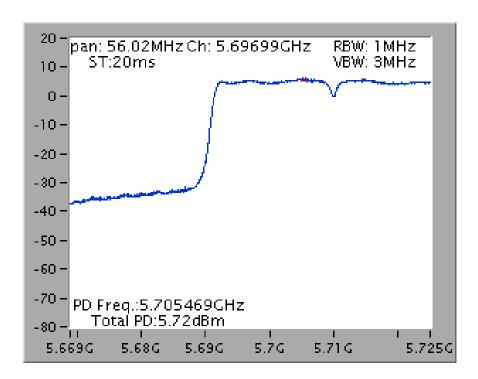
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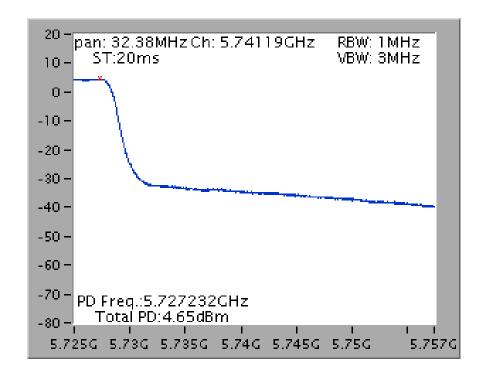




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



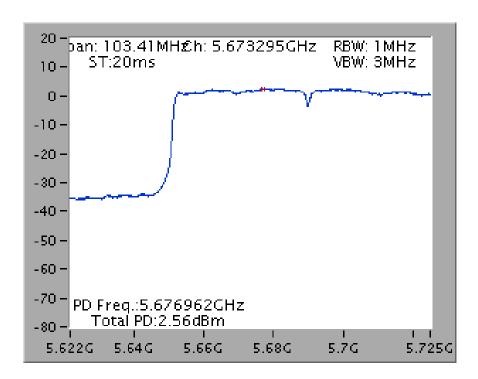
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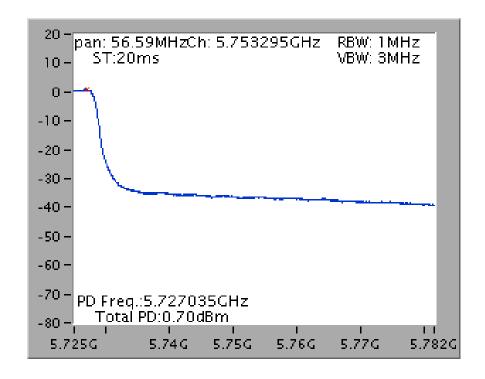




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)



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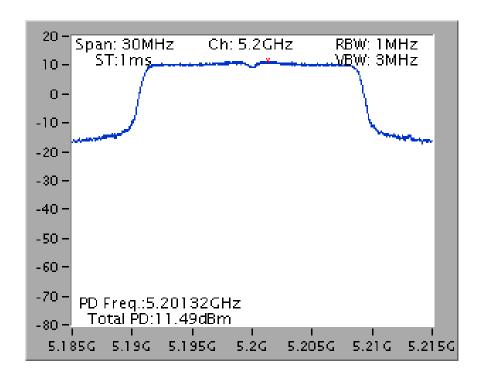


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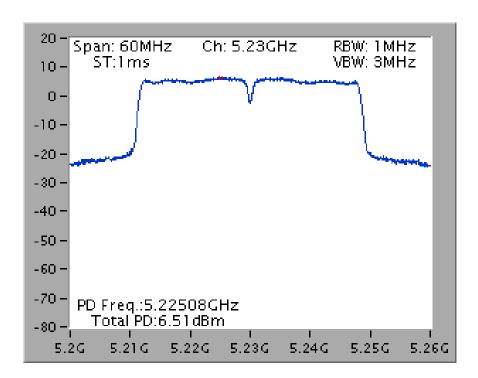
For indoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz



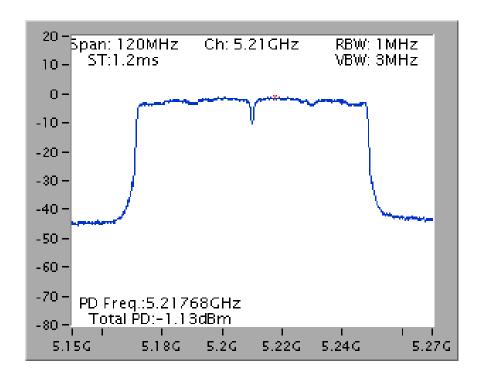
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



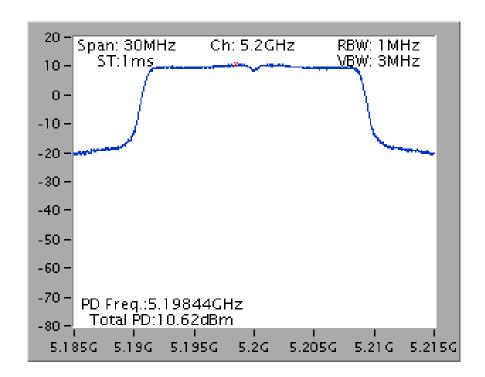
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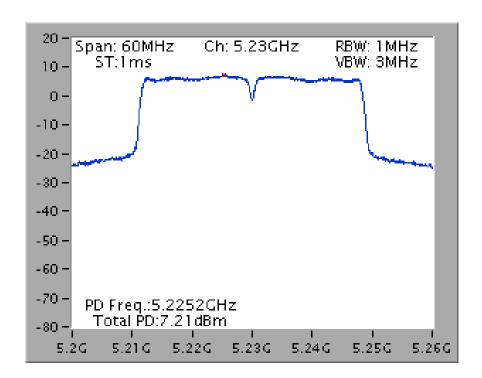


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



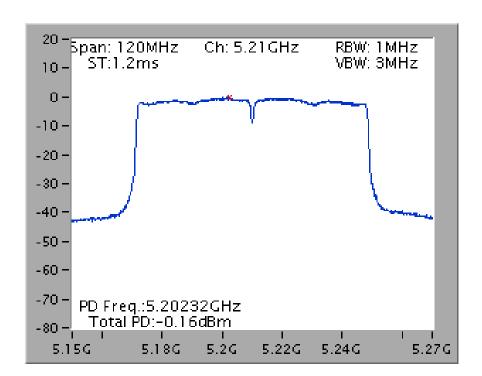
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz

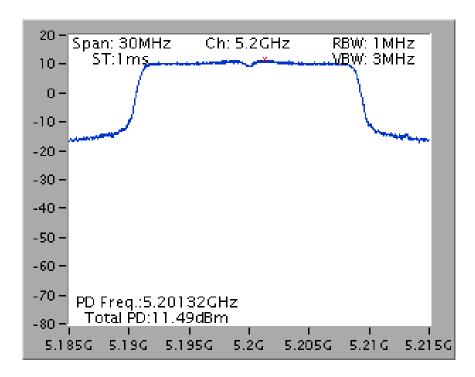


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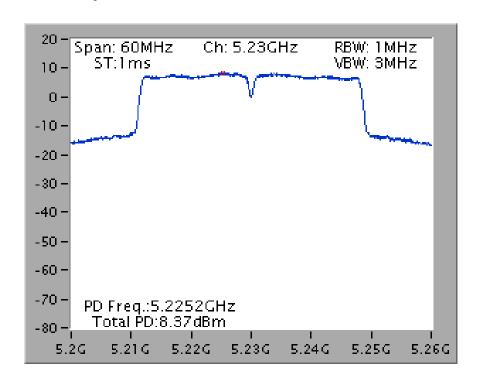




Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



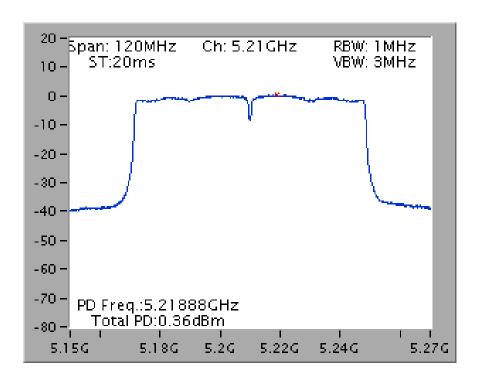
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



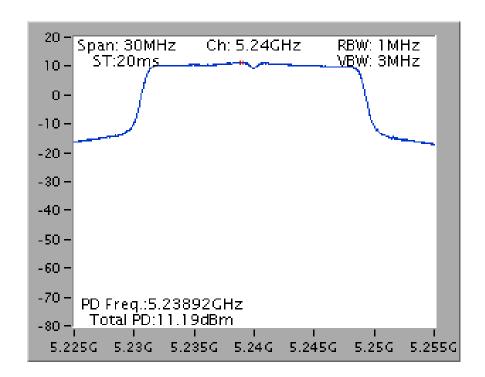
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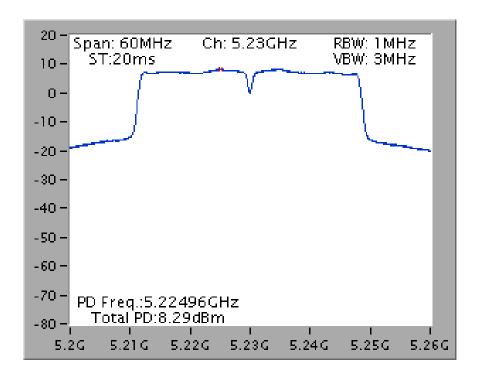


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5240 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



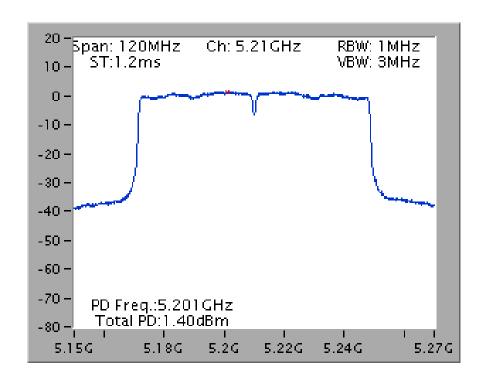
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



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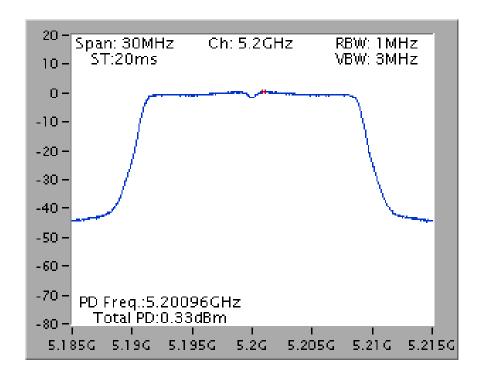




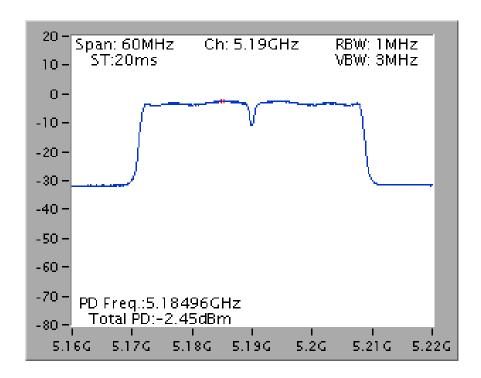
For outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz

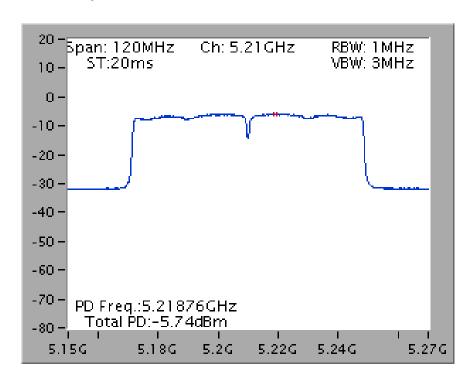


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



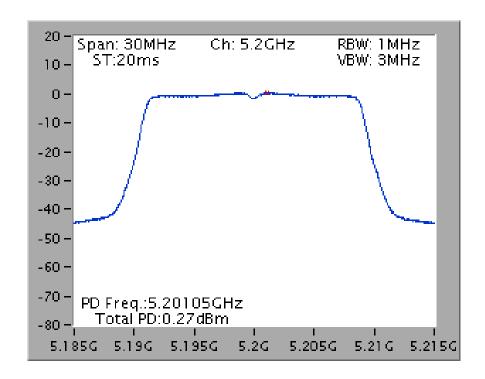
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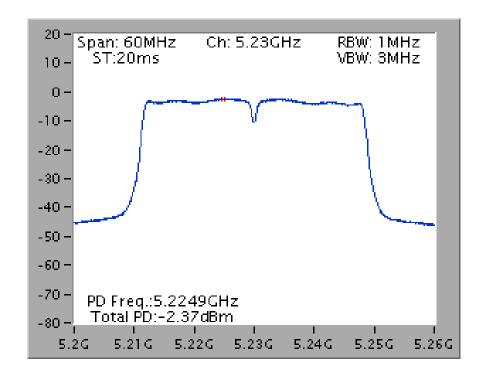


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



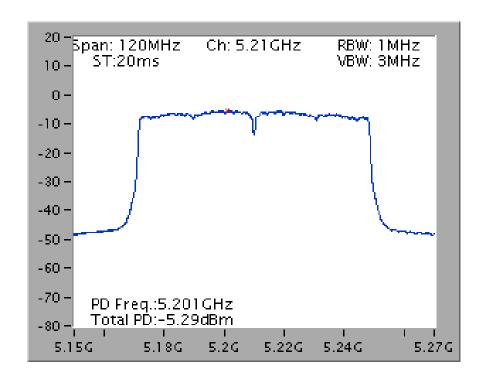
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



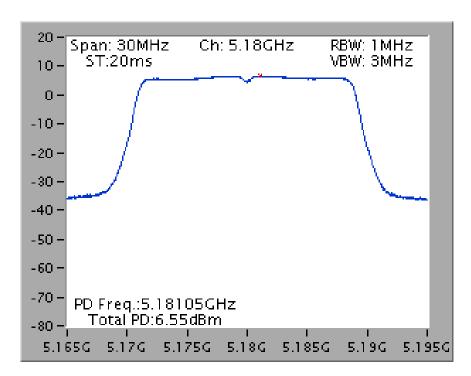
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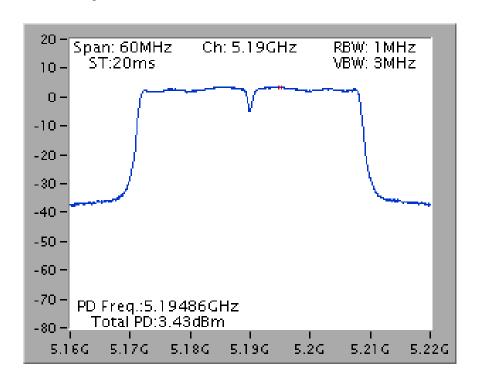


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



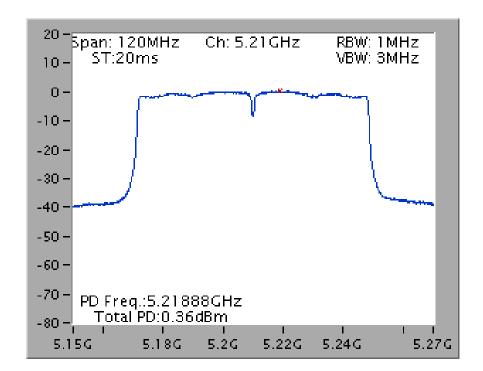
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5190 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



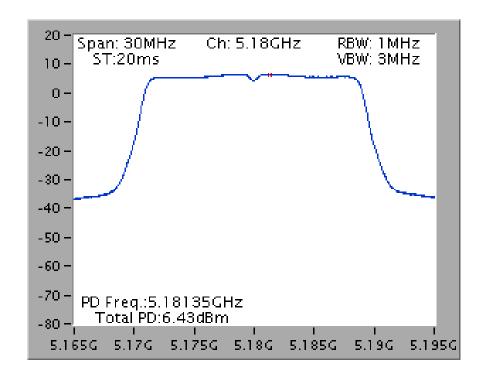
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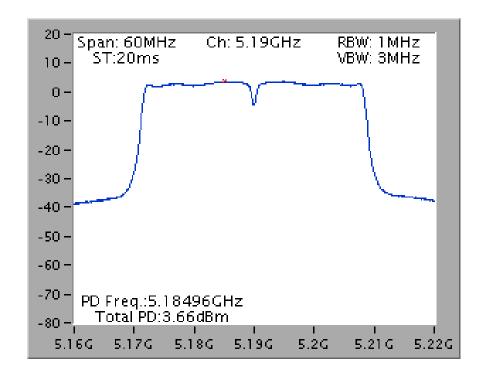


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5190 MHz



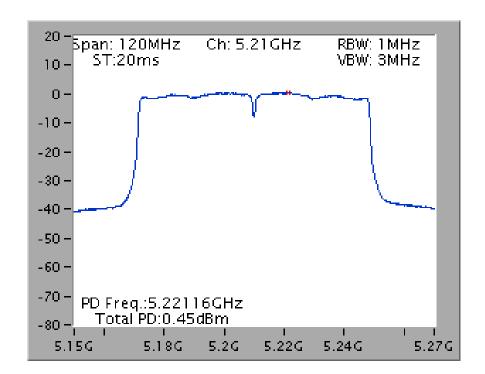
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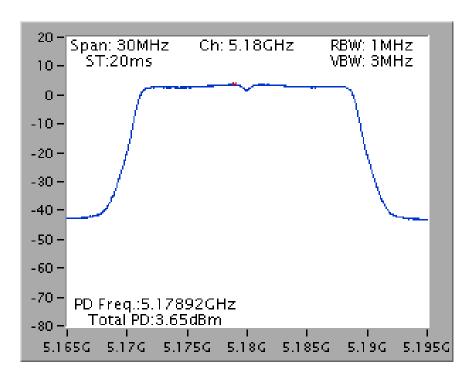
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



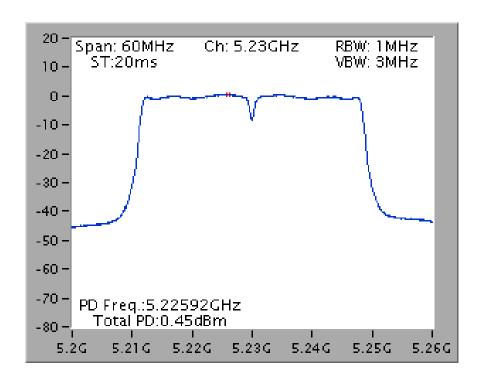




Mode 3 (Ant. 4 Panel antenna / 5.1 dBi / 2TX) Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5180 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5230 MHz

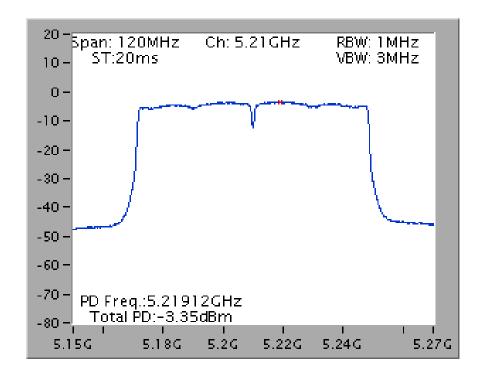


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5210 MHz



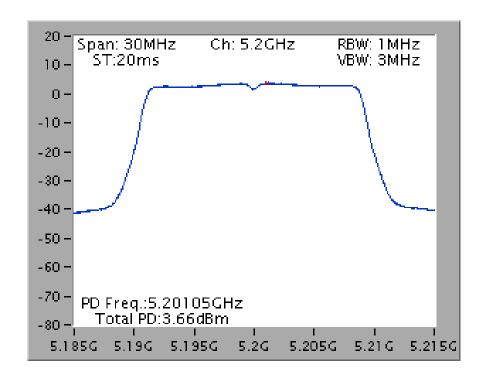
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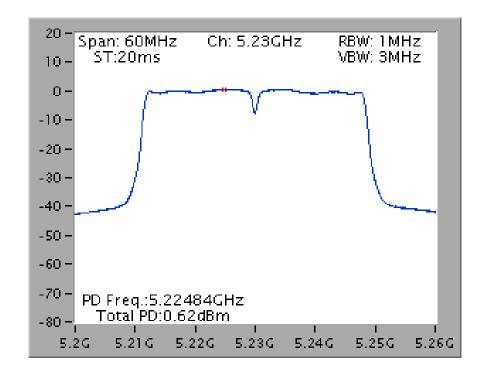


Mode 3 (Ant. 4 Panel antenna / 5.1dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5200 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5230 MHz



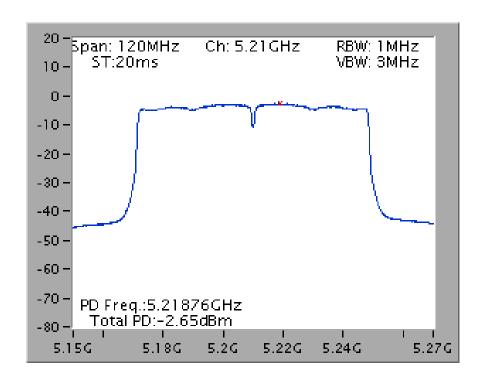
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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5210 MHz



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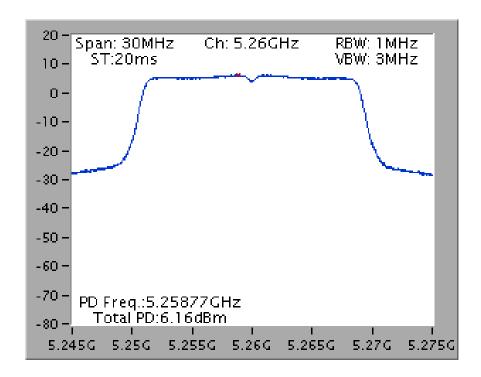




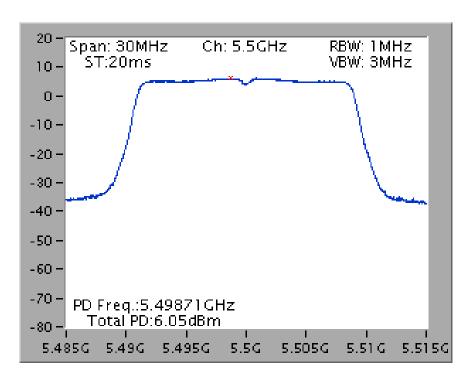
For indoor / outdoor use

Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5500 MHz



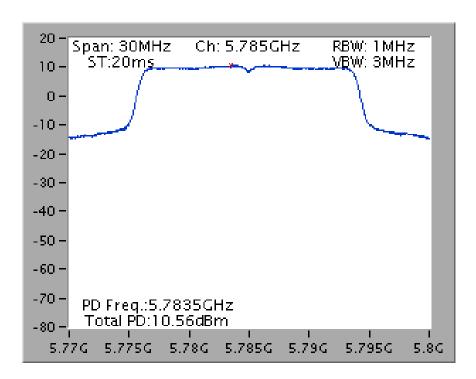
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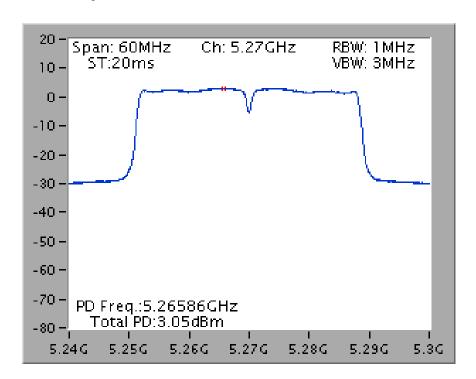




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz

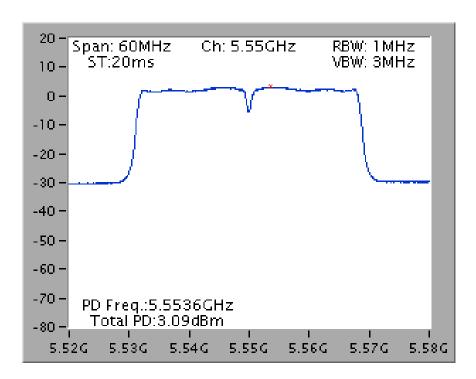


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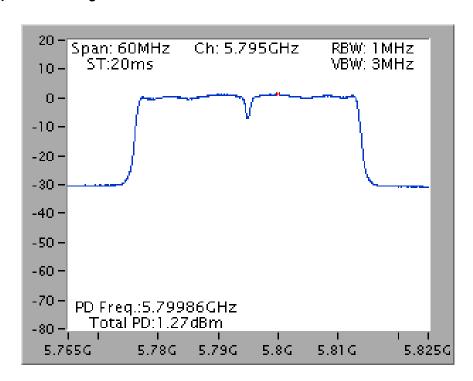




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz

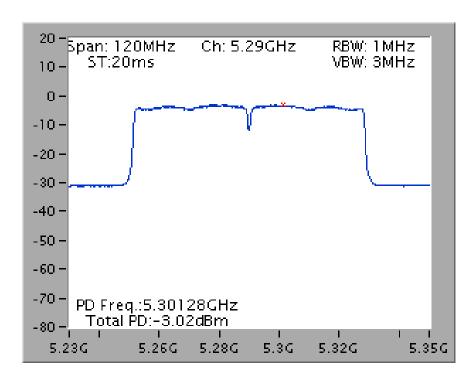


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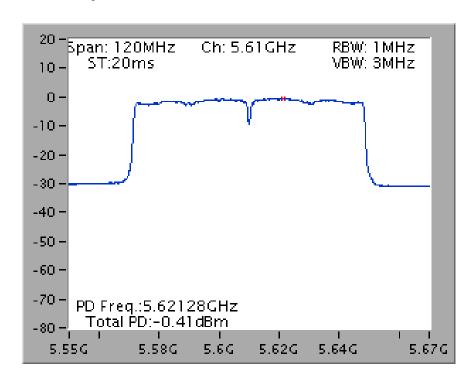




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz

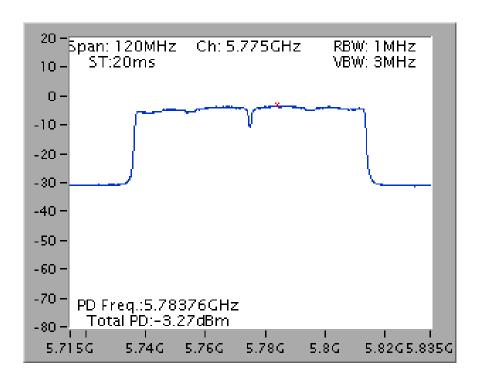


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



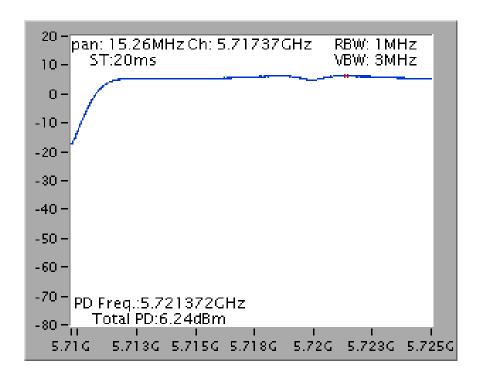
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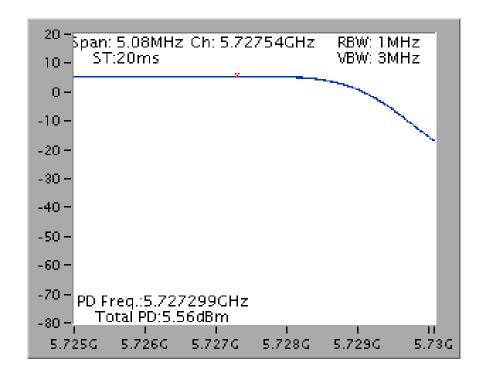


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 3)



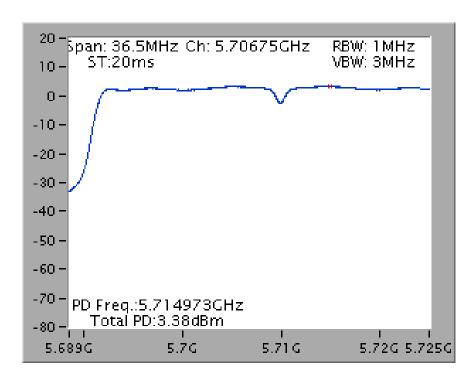
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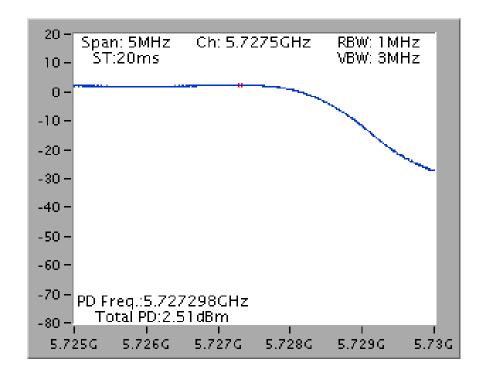




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 3)

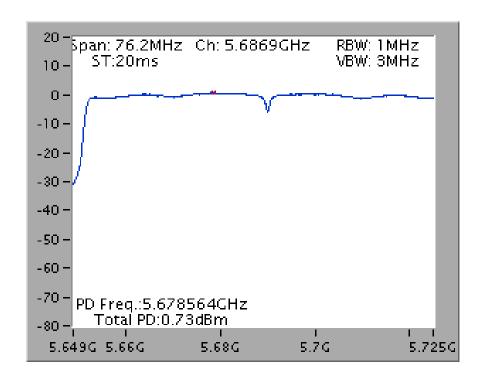


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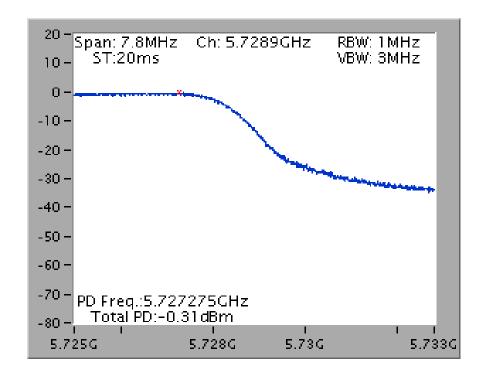




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 3)

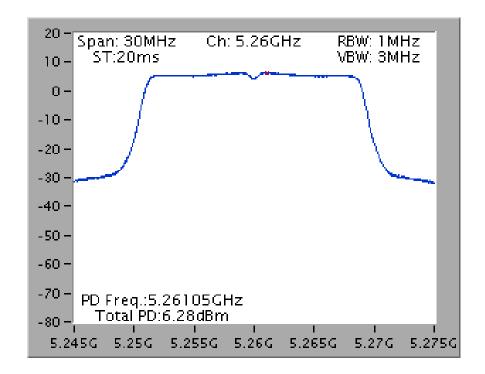




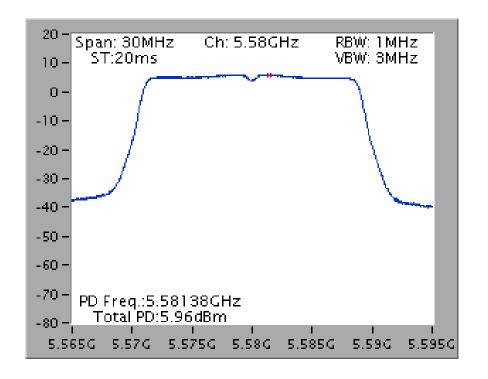


Mode 1 (Ant. 5 Polarized Panel / 10.7dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



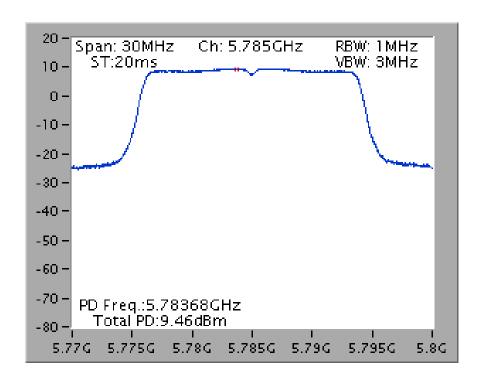
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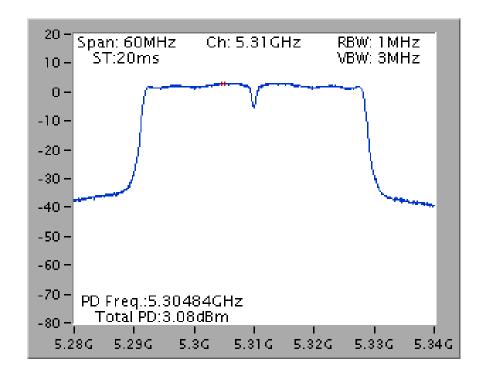




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



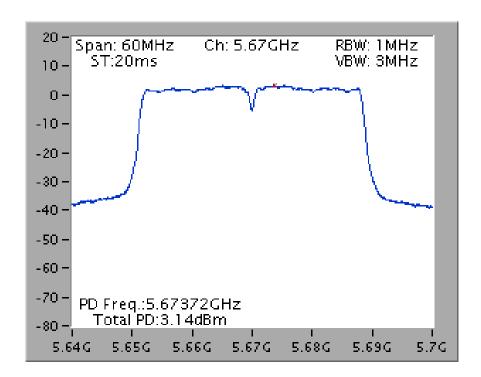
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5310 MHz



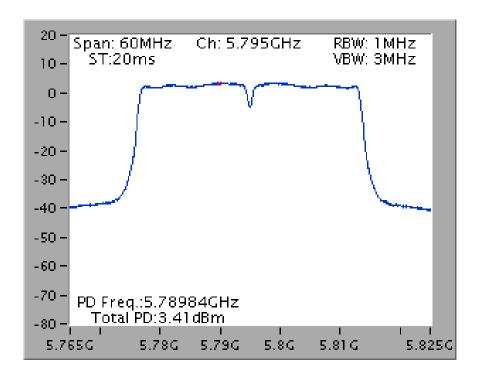




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5670 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz

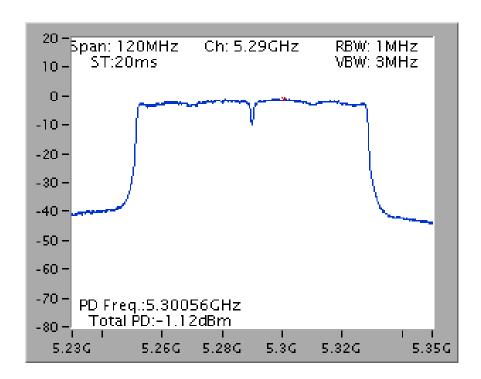


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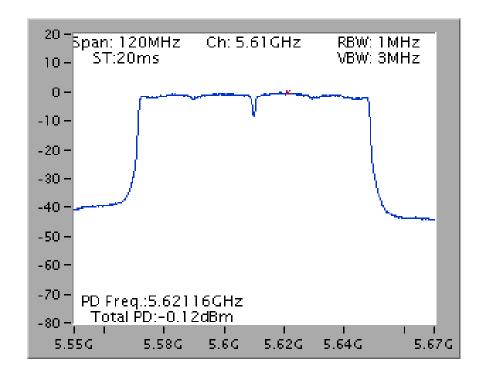




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



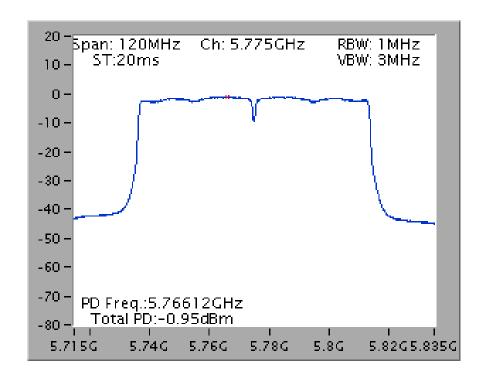
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



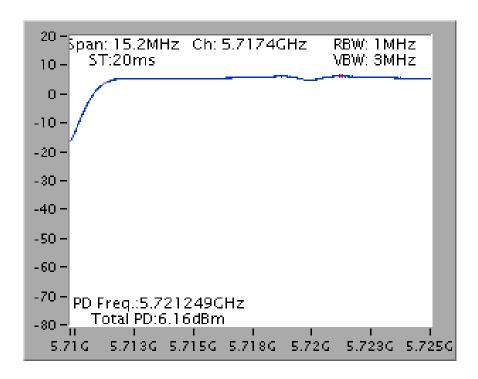
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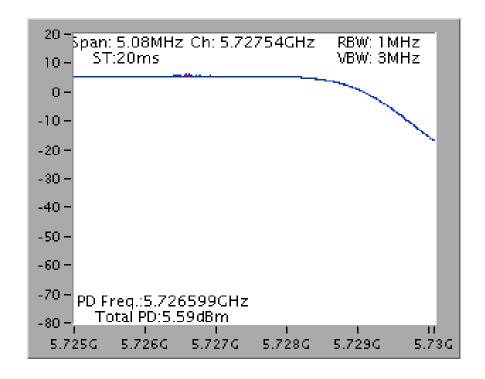


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



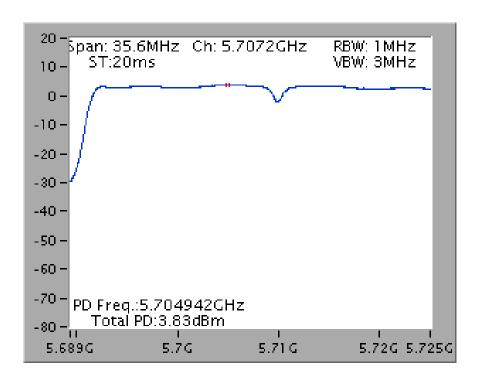
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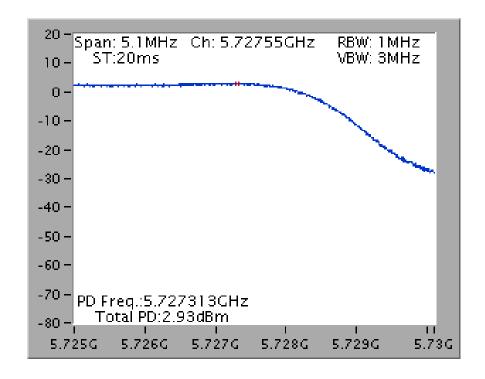




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



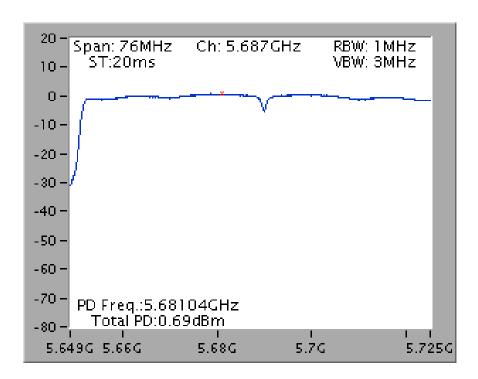
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



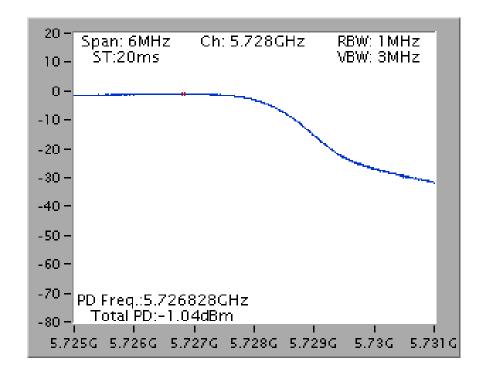




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)

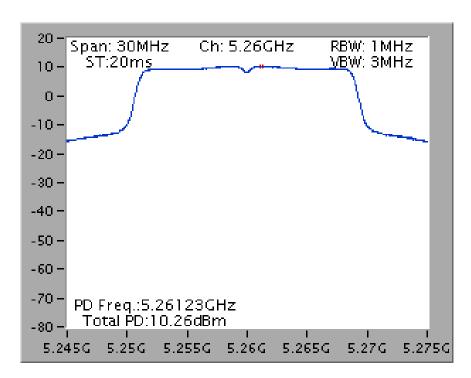




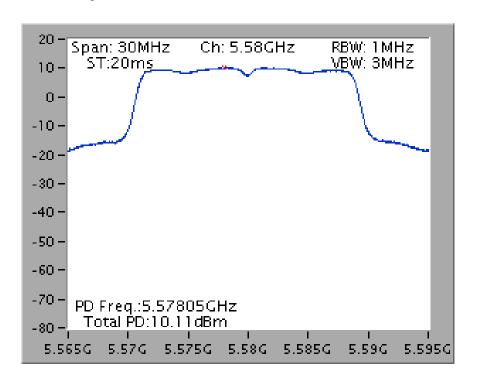


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 2TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5260 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5580 MHz

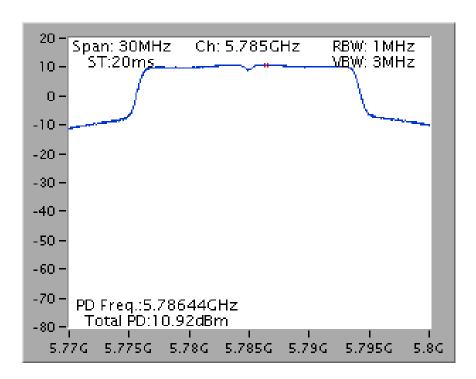


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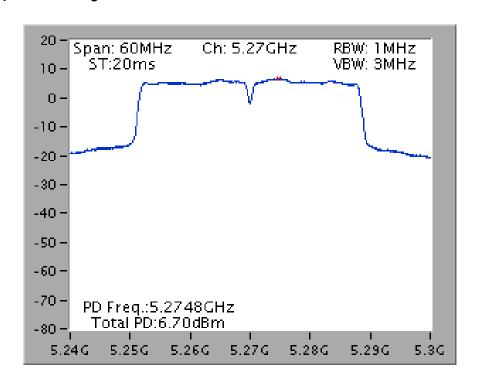




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5270 MHz

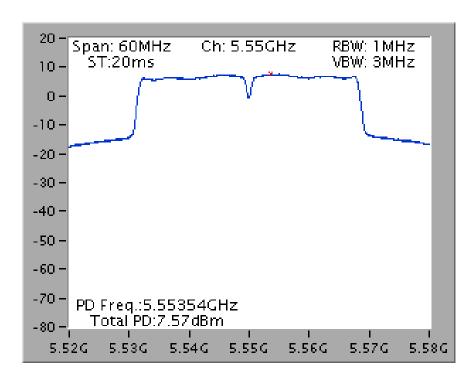


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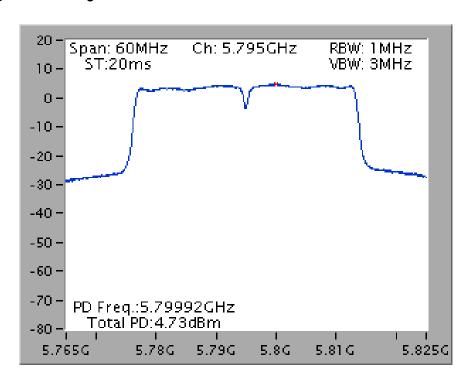




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5550 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5795 MHz

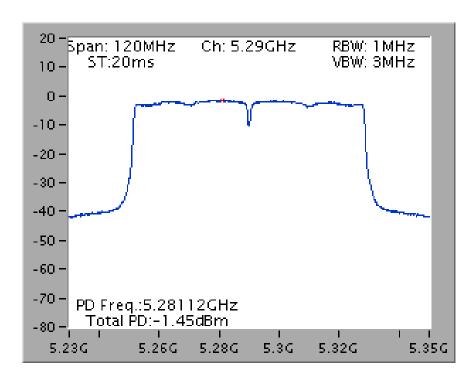


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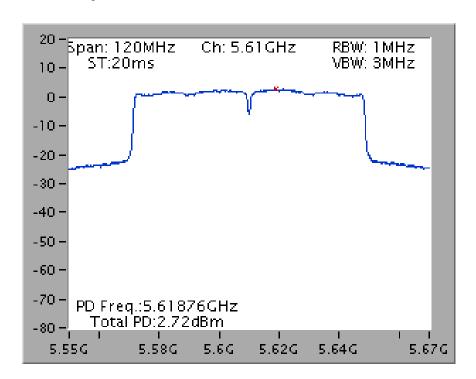




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5290 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5610 MHz

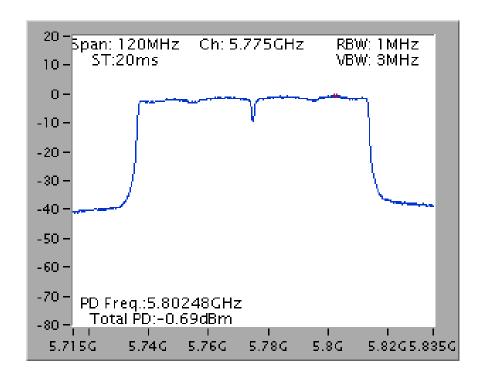


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Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5775 MHz



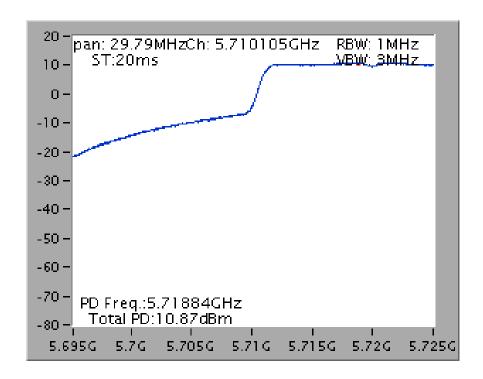
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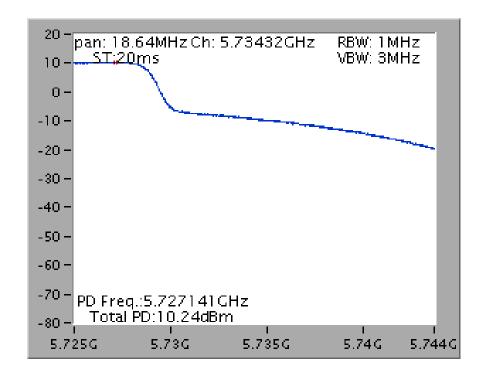


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 / 5720 MHz (UNII 3)



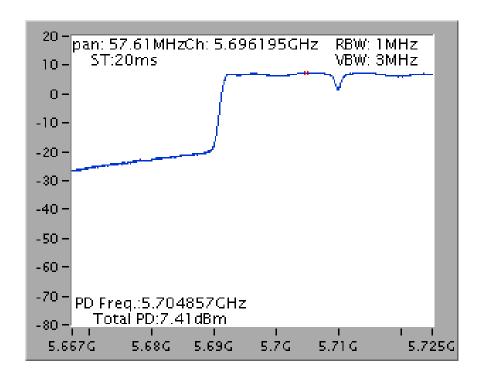
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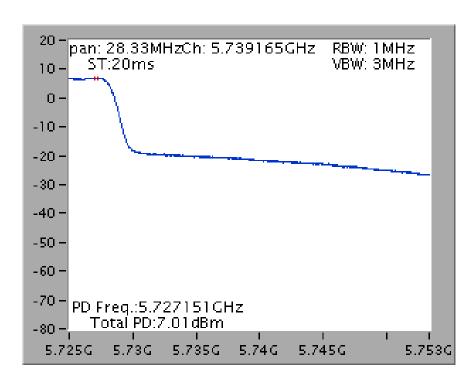




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 / 5710 MHz (UNII 3)

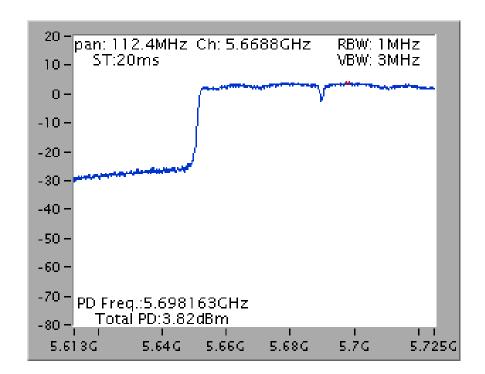


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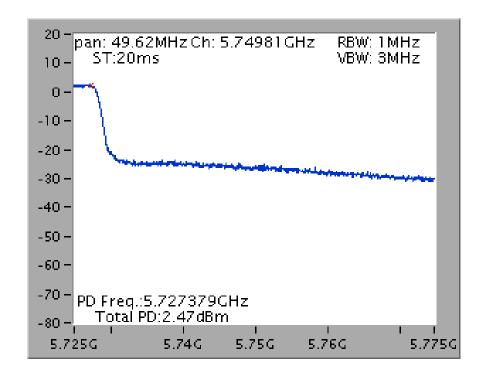




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 / 5690 MHz (UNII 3)



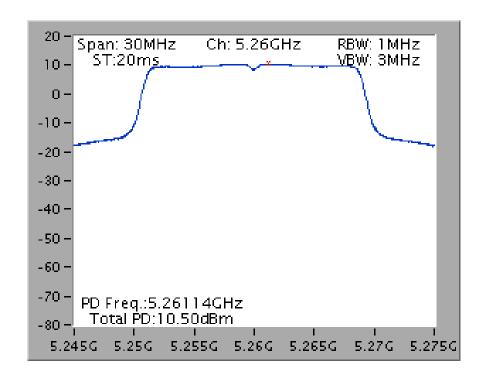
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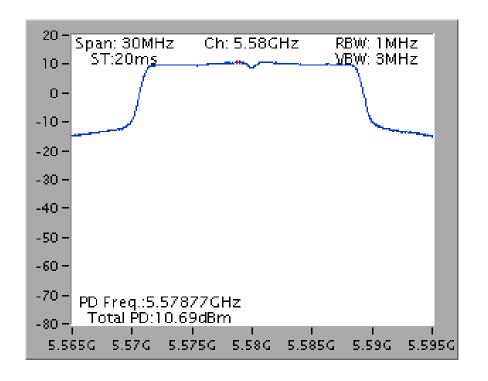


Mode 2 (Ant. 7 Patch antenna / 5.4dBi / 3TX)

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5260 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5580 MHz



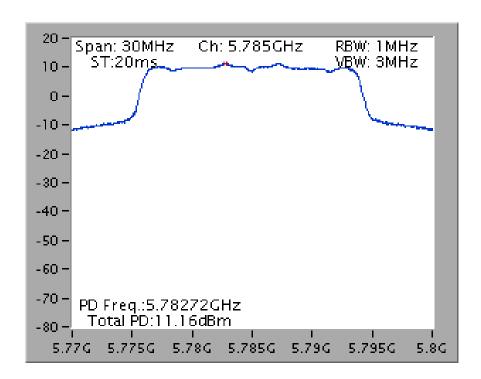
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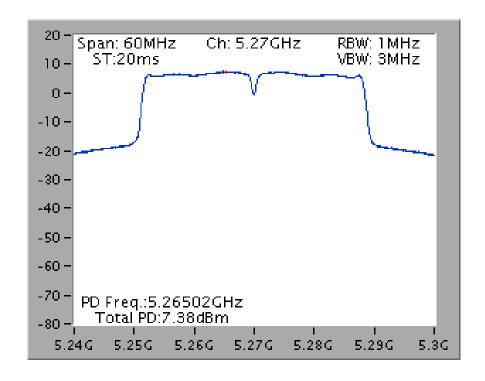




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5785 MHz



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5270 MHz

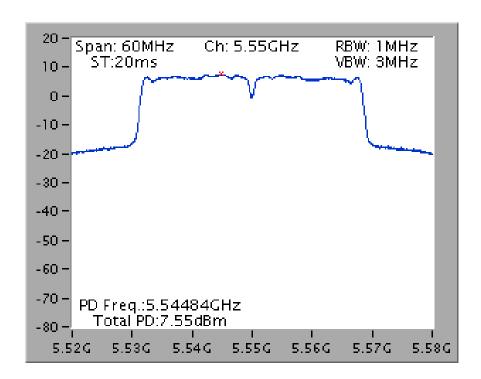


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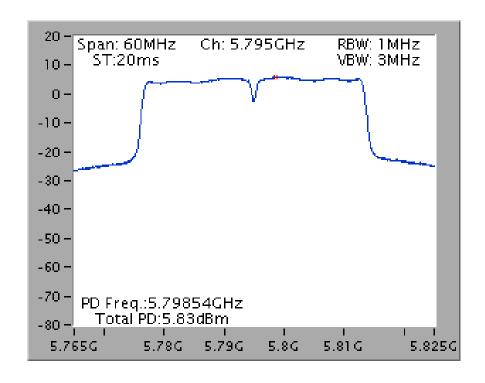




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5550 MHz



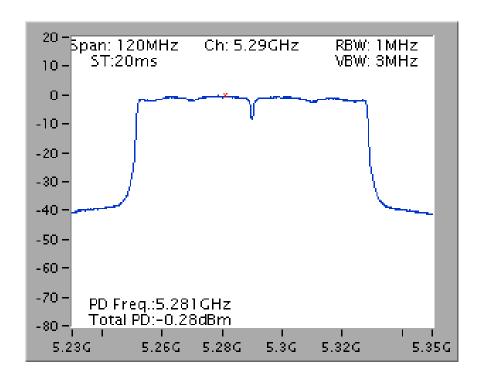
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5795 MHz



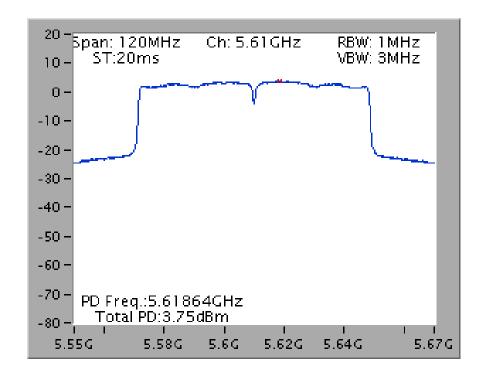




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5290 MHz



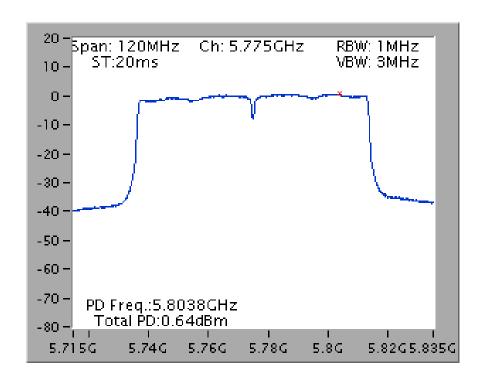
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5610 MHz







Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5775 MHz



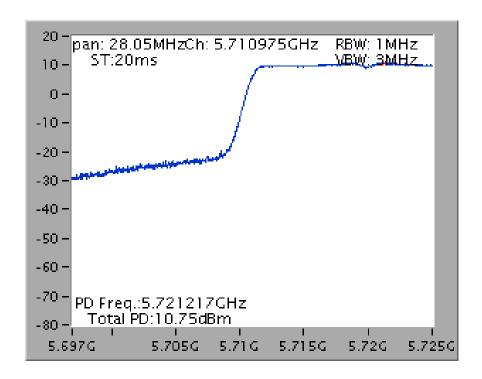
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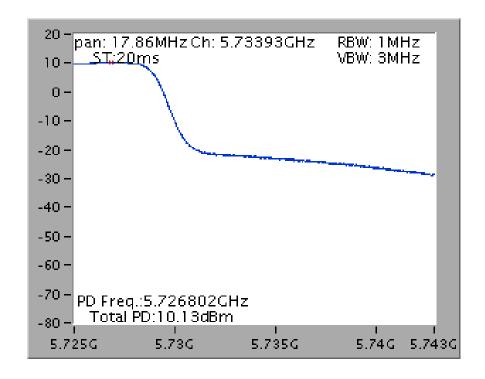


Straddle Channel

Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT20 / Chain 1 + Chain 2 + Chain 3 / 5720 MHz (UNII 3)



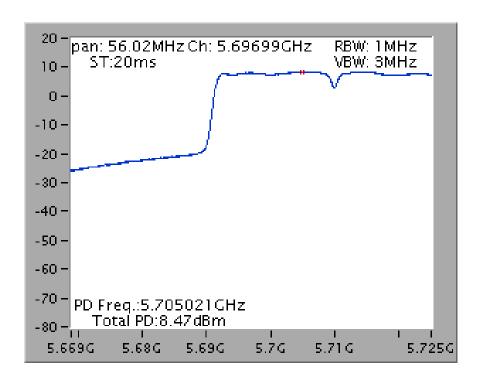
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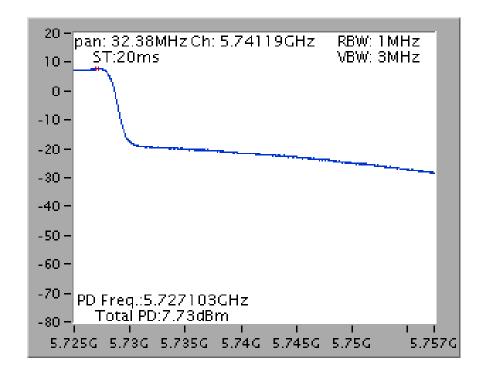




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 2C)



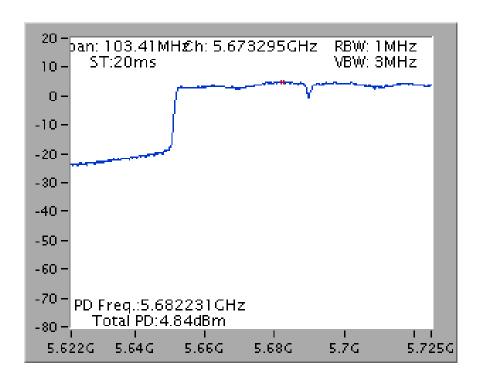
Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT40 / Chain 1 + Chain 2 + Chain 3 / 5710 MHz (UNII 3)



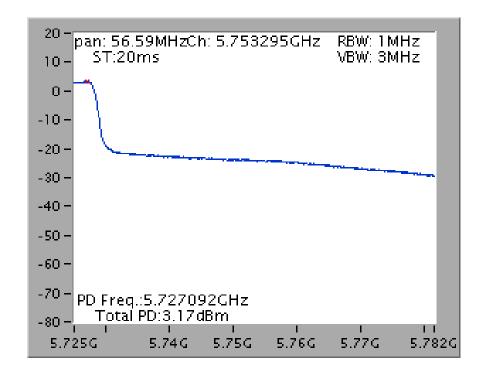




Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 2C)



Power Density Plot on Configuration IEEE 802.11ac MCS0/Nss1 VHT80 / Chain 1 + Chain 2 + Chain 3 / 5690 MHz (UNII 3)



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4.6. Radiated Emissions Measurement

4.6.1. Limit

For transmitters operating in the 5.15-5.35 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.470-5.725 GHz band: all emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an e.i.r.p. of -17 dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an e.i.r.p. of -27 dBm/MHz.

In addition, In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

Frequencies	Field Strength	Measurement Distance
(MHz)	(micorvolts/meter)	(meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

4.6.2. Measuring Instruments and Setting

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

Spectrum Parameter	Setting
Attenuation	Auto
Start Frequency	1000 MHz
Stop Frequency	40 GHz
RBW / VBW (Emission in restricted band)	1MHz / 3MHz for Peak,
	1MHz / 1/T for Average
RBW / VBW (Emission in non-restricted band)	1MHz / 3MHz for peak

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Receiver Parameter	Setting
Attenuation	Auto
Start ~ Stop Frequency	9kHz~150kHz / RBW 200Hz for QP
Start ~ Stop Frequency	150kHz~30MHz / RBW 9kHz for QP
Start ~ Stop Frequency	30MHz~1000MHz / RBW 120kHz for QP

4.6.3. Test Procedures

- 1. Configure the EUT according to ANSI C63.10. The EUT was placed on the top of the turntable 1.5 meter above ground. The phase center of the receiving antenna mounted on the top of a height-variable antenna tower was placed 1m & 3m far away from the turntable.
- 2. Power on the EUT and all the supporting units. The turntable was rotated by 360 degrees to determine the position of the highest radiation.
- The height of the broadband receiving antenna was varied between one meter and four meters above ground to find the maximum emissions field strength of both horizontal and vertical polarization.
- 4. For each suspected emissions, the antenna tower was scan (from 1 M to 4 M) and then the turntable was rotated (from 0 degree to 360 degrees) to find the maximum reading.
- 5. Set the test-receiver system to Peak or CISPR quasi-peak Detect Function with specified bandwidth under Maximum Hold Mode.
- 6. For emissions above 1GHz, use 1MHz VBW and 3MHz RBW for peak reading. Then 1MHz RBW and 1/T VBW for average reading in spectrum analyzer.
- 7. If the emissions level of the EUT in peak mode was 3 dB lower than the average limit specified, then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions which do not have 3 dB margin will be repeated one by one using the quasi-peak method for below 1GHz.
- 8. For testing above 1GHz, the emissions level of the EUT in peak mode was lower than average limit (that means the emissions level in peak mode also complies with the limit in average mode), then testing will be stopped and peak values of EUT will be reported, otherwise, the emissions will be measured in average mode again and reported.
- 9. In case the emission is lower than 30MHz, loop antenna has to be used for measurement and the recorded data should be QP measured by receiver. High Low scan is not required in this case.

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