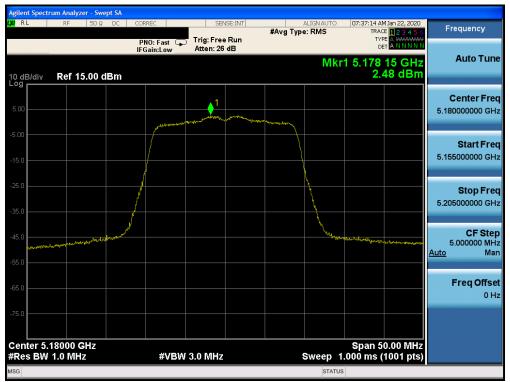


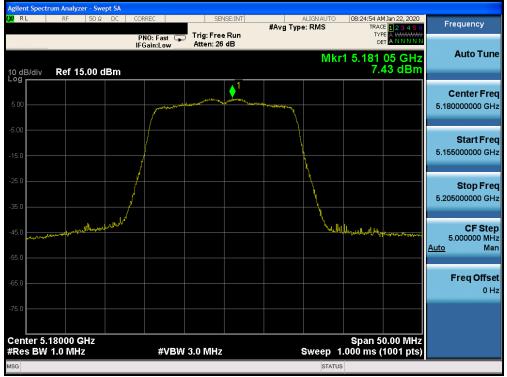
Plot 7-108. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 1) - Ch. 36)



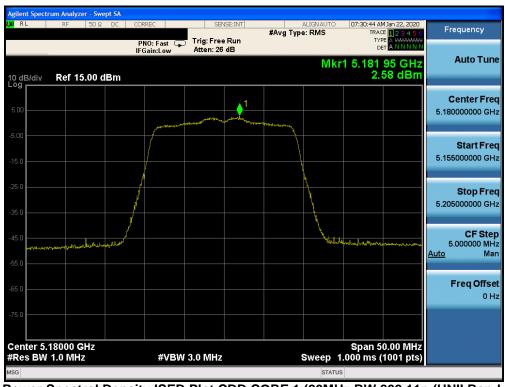
Plot 7-109. Power Spectral Density Plot ISED CDD CORE 0 (20MHz BW 802.11n (UNII Band 1) - Ch. 36)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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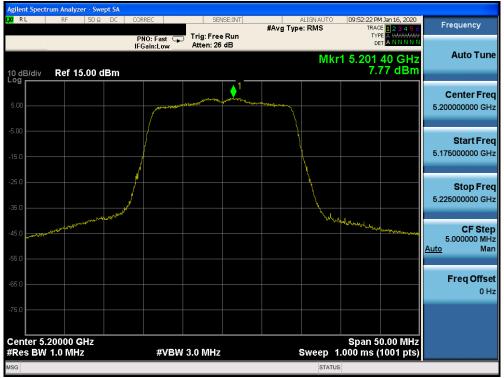
Plot 7-110. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 1) - Ch. 36)



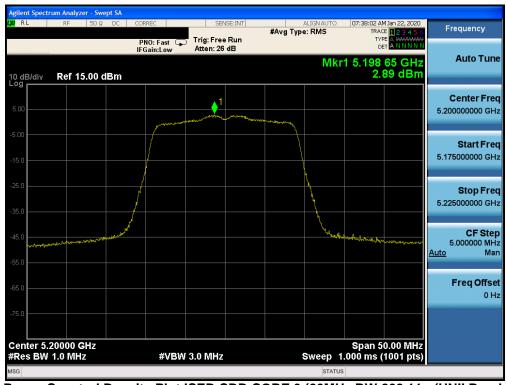
Plot 7-111. Power Spectral Density ISED Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 1) - Ch. 36)

FCC ID: BCGA2228	<u><u><u></u>PCTEST</u></u>	PCTEST MEASUREMENT REPORT (CERTIFICATION)		
Test Report S/N:	Test Dates:	EUT Type:	Dogo 02 of 204	
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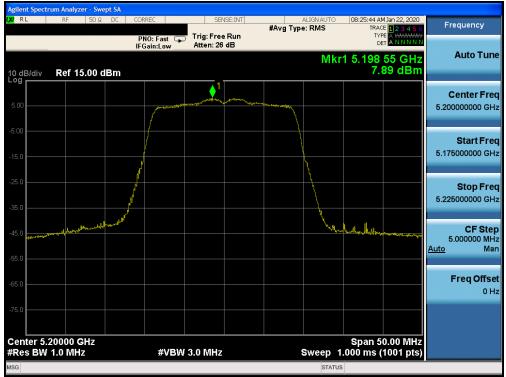
Plot 7-112. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 1) - Ch. 40)



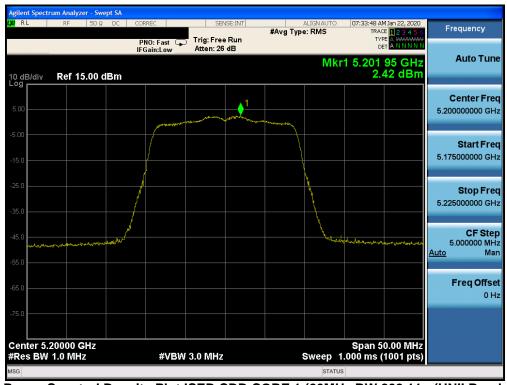
Plot 7-113. Power Spectral Density Plot ISED CDD CORE 0 (20MHz BW 802.11n (UNII Band 1) - Ch. 40)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager		
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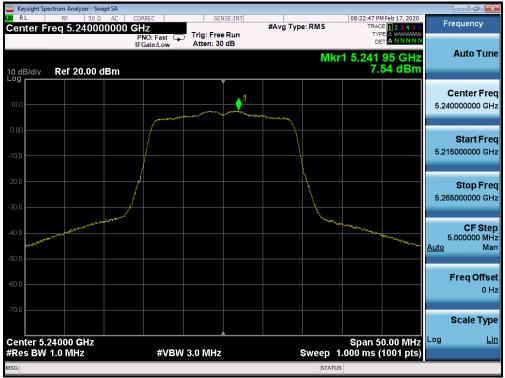
Plot 7-114. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 1) - Ch. 40)



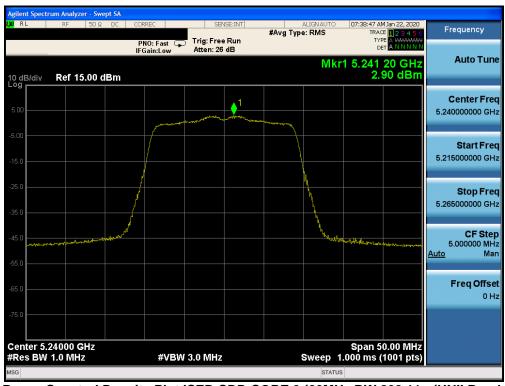
Plot 7-115. Power Spectral Density Plot ISED CDD CORE 1 (20MHz BW 802.11n (UNII Band 1) - Ch. 40)

FCC ID: BCGA2228	PCTEST			
Test Report S/N:	Test Dates:	EUT Type:	Dage 04 of 204	
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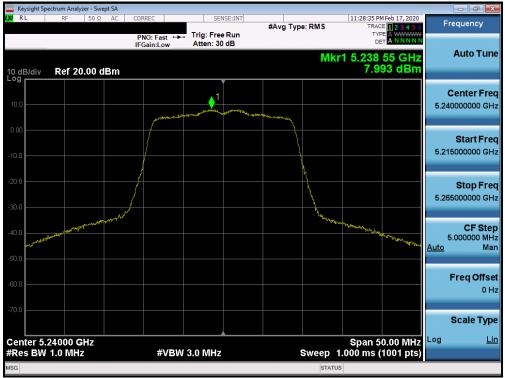
Plot 7-116. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 1) - Ch. 48)



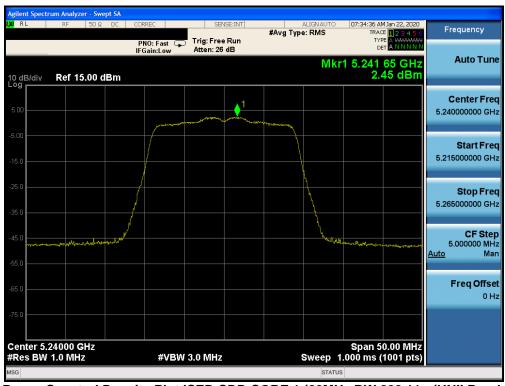
Plot 7-117. Power Spectral Density Plot ISED CDD CORE 0 (20MHz BW 802.11n (UNII Band 1) - Ch. 48)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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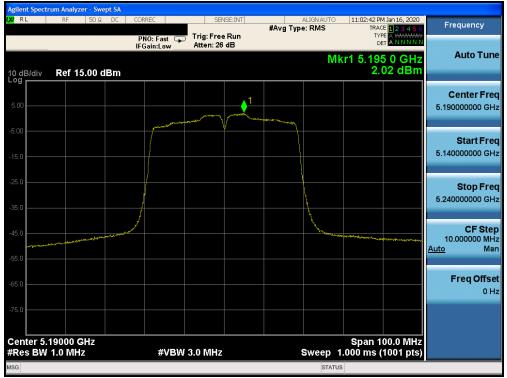
Plot 7-118. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 1) - Ch. 48)



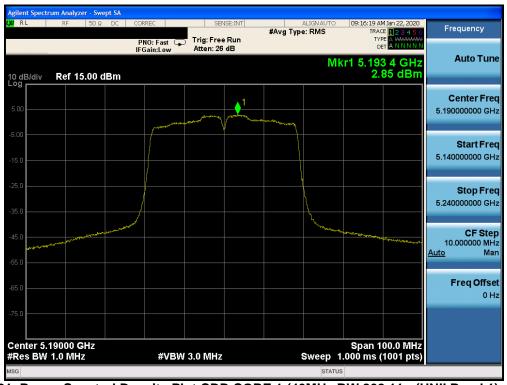
Plot 7-119. Power Spectral Density Plot ISED CDD CORE 1 (20MHz BW 802.11n (UNII Band 1) - Ch. 48)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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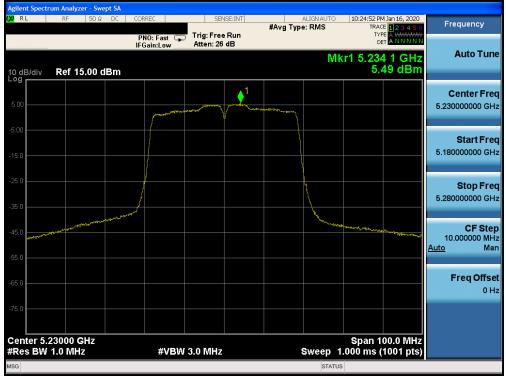
Plot 7-120. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 1) - Ch. 38)



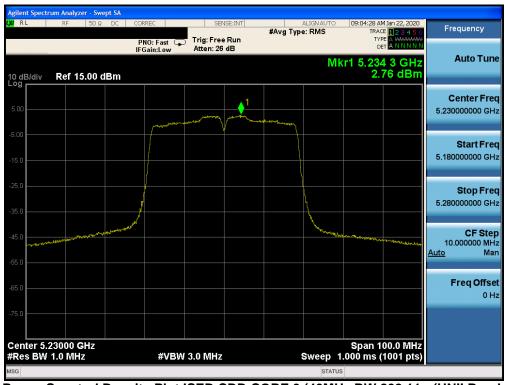
Plot 7-121. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 1) - Ch. 38)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
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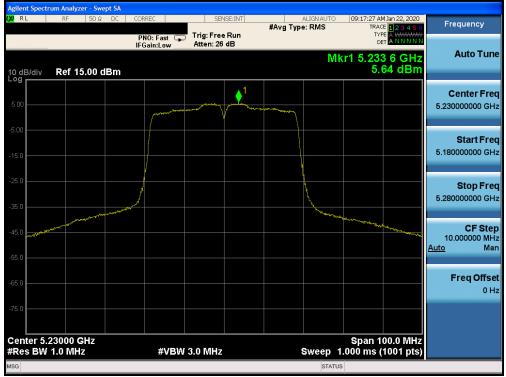
Plot 7-122. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 1) - Ch. 46)



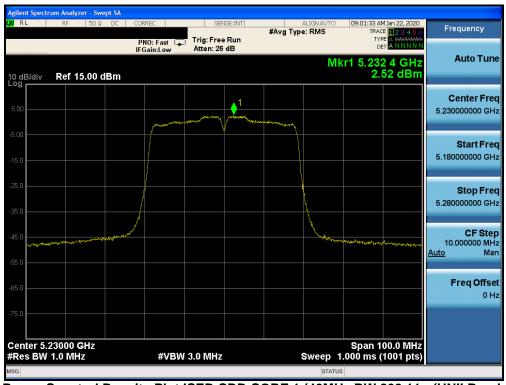
Plot 7-123. Power Spectral Density Plot ISED CDD CORE 0 (40MHz BW 802.11n (UNII Band 1) - Ch. 46)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)		
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Plot 7-124. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 1) - Ch. 46)



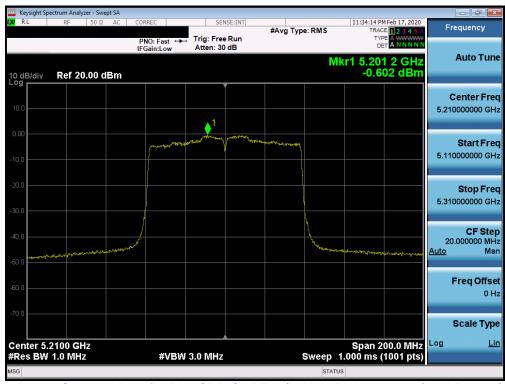
Plot 7-125. Power Spectral Density Plot ISED CDD CORE 1 (40MHz BW 802.11n (UNII Band 1) - Ch. 46)

FCC ID: BCGA2228	PCTEST			
Test Report S/N:	Test Dates:	EUT Type:	Dage 00 of 204	
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	ight Spea	trum Analy	zer - Swej	pt SA										
IXI RL		RF	50 Ω	AC	CORREC		SE	NSE:INT	#Avg Typ	e RMS		M Feb 17, 2020	Freq	Jency
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10.0													5.21000	0000 GHz
0.00								∮ ¹						
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-10.0													5.11000	0000 GHz
-20.0					ľ									top Freq
-30.0										<u></u>			5.31000	0000 GHZ
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		1.0 MHz				#VBW	3.0 MHz			Sweep 1	.000 ms (200.0 MHz (1001 pts)		
MSG										STATU	5			

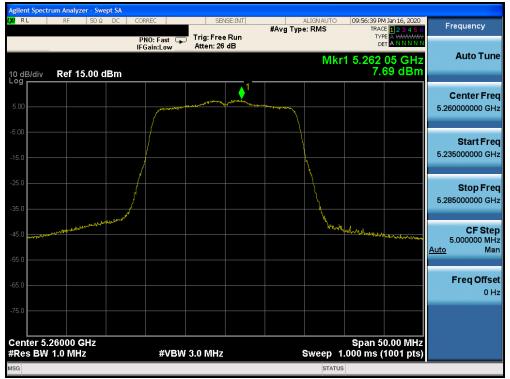
Plot 7-126. Power Spectral Density Plot CDD CORE 0 (80MHz BW 802.11ac (UNII Band 1) - Ch. 42)



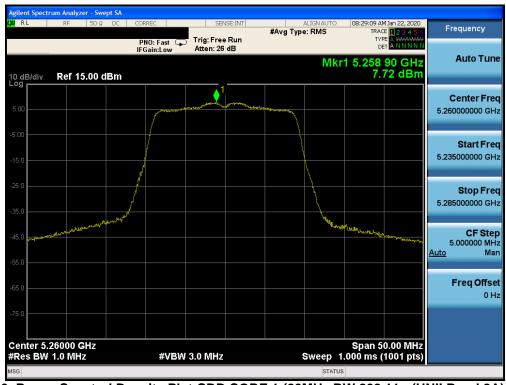
Plot 7-127. Power Spectral Density Plot CDD CORE 1 (80MHz BW 802.11ac (UNII Band 1) - Ch. 42)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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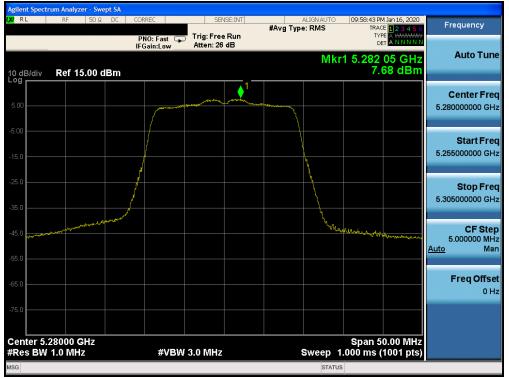
Plot 7-128. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 2A) - Ch. 52)



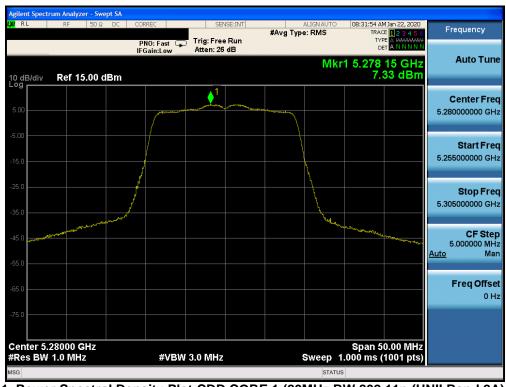
Plot 7-129. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 2A) - Ch. 52)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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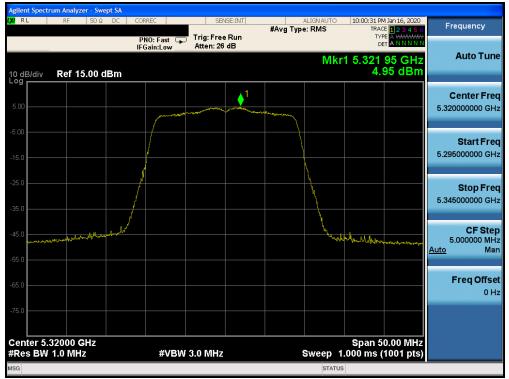
Plot 7-130. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 2A) - Ch. 56)



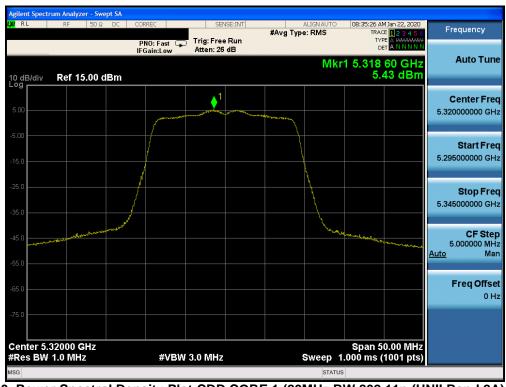
Plot 7-131. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 2A) - Ch. 56)

FCC ID: BCGA2228	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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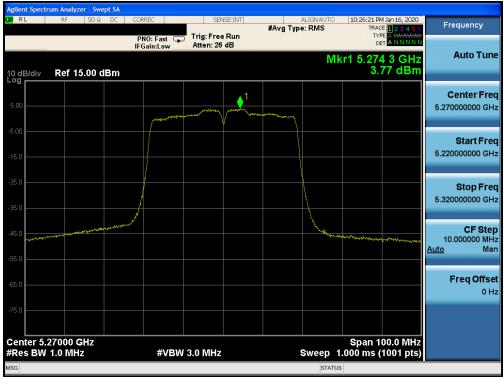
Plot 7-132. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 2A) - Ch. 64)



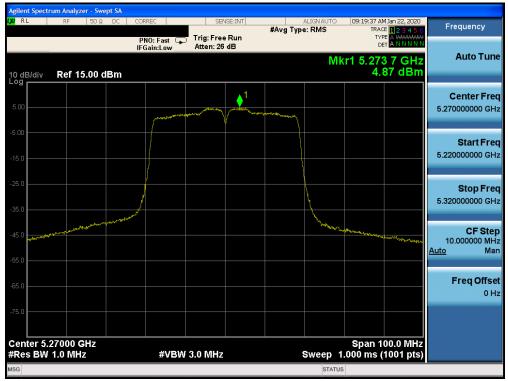
Plot 7-133. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 2A) - Ch. 64)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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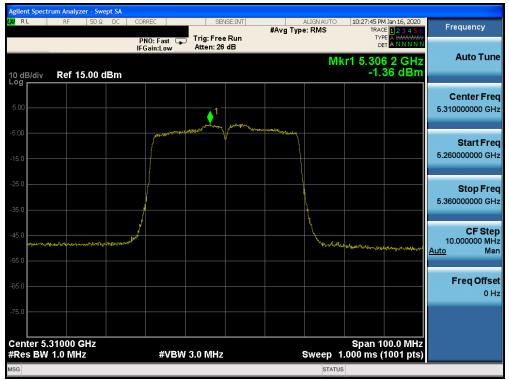
Plot 7-134. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 2A) - Ch. 54)



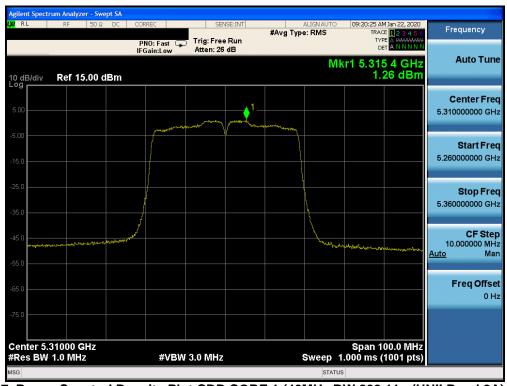
Plot 7-135. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 2A) - Ch. 54)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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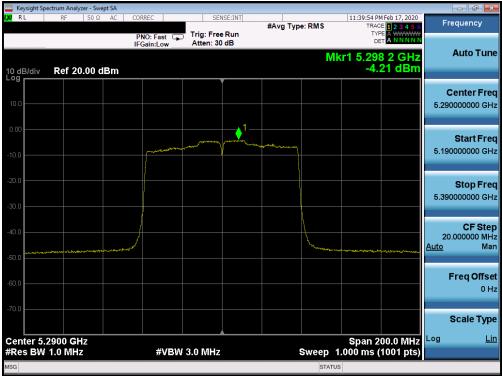
Plot 7-136. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 2A) - Ch. 62)



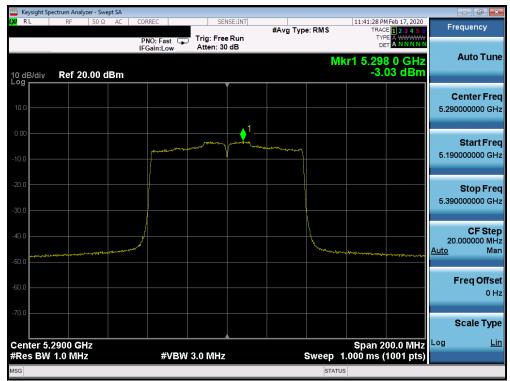
Plot 7-137. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 2A) - Ch. 62)

FCC ID: BCGA2228	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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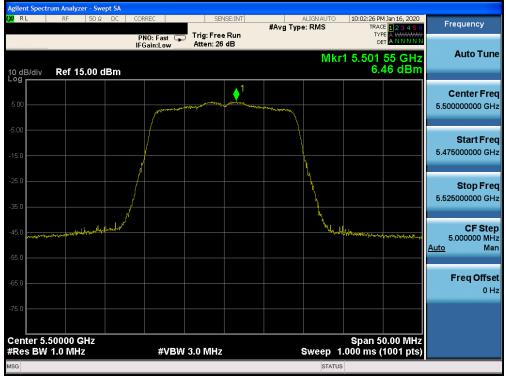
Plot 7-138. Power Spectral Density Plot CDD CORE 0 (80MHz BW 802.11ac (UNII Band 2A) - Ch. 58)



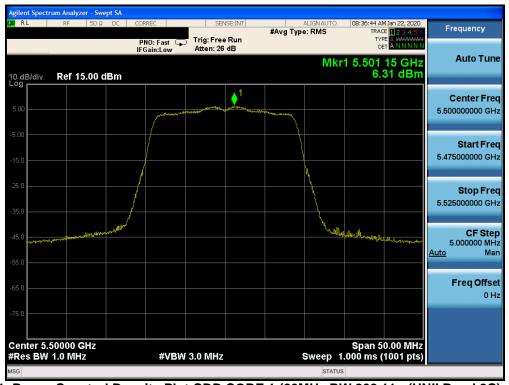
Plot 7-139. Power Spectral Density Plot CDD CORE 1 (80MHz BW 802.11ac (UNII Band 2A) - Ch. 58)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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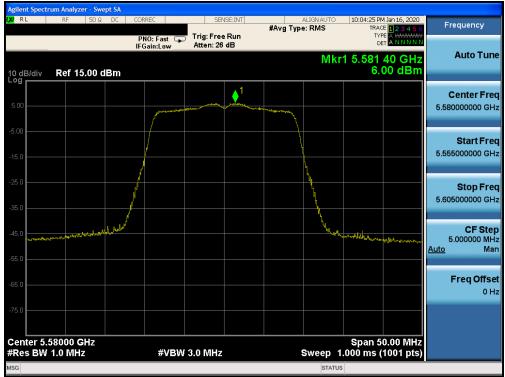
Plot 7-140. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 2C) - Ch. 100)



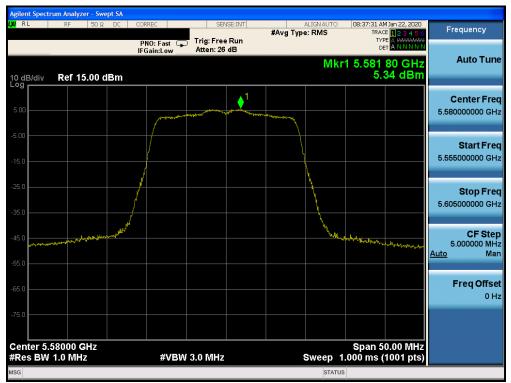
Plot 7-141. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 2C) - Ch. 100)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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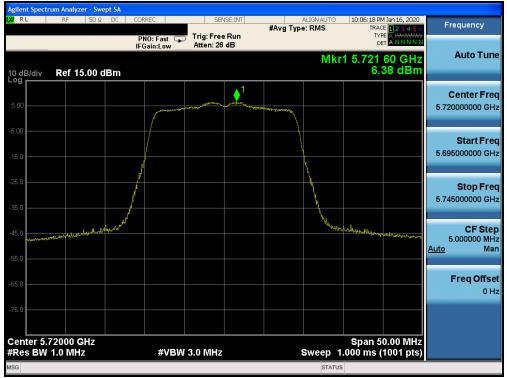
Plot 7-142. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 2C) - Ch. 116)



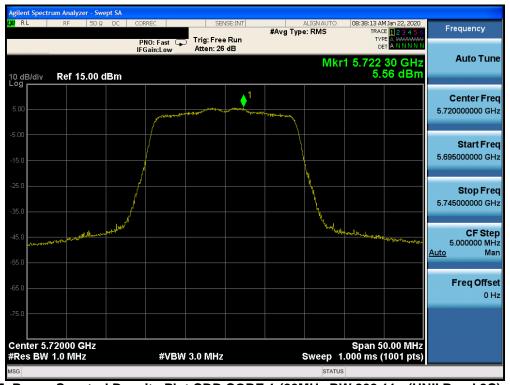
Plot 7-143. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 2C) - Ch. 116)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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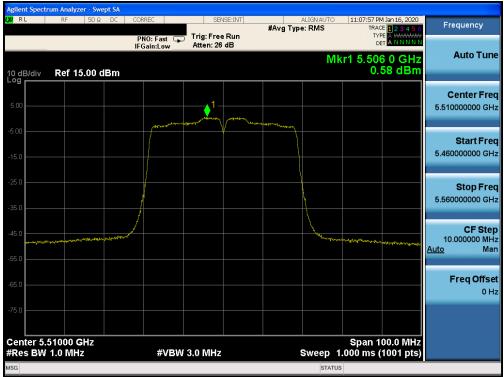
Plot 7-144. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 2C) - Ch. 144)



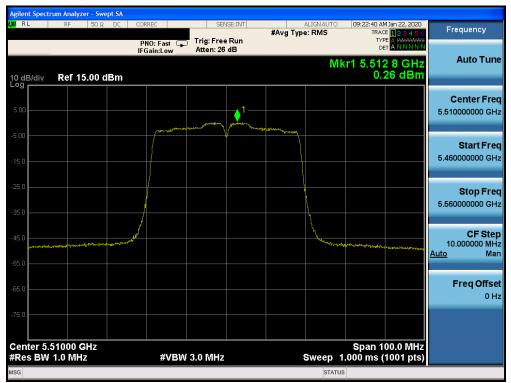
Plot 7-145. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 2C) - Ch. 144)

FCC ID: BCGA2228	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-146. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 2C) - Ch. 102)



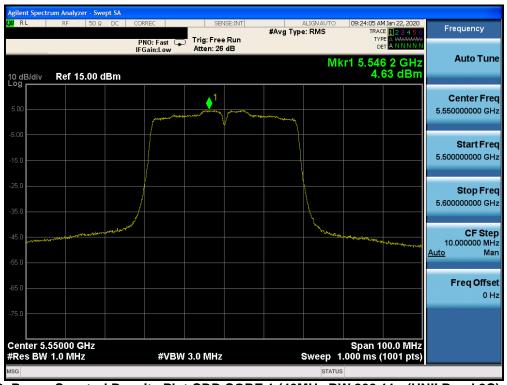
Plot 7-147. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 2C) - Ch. 102)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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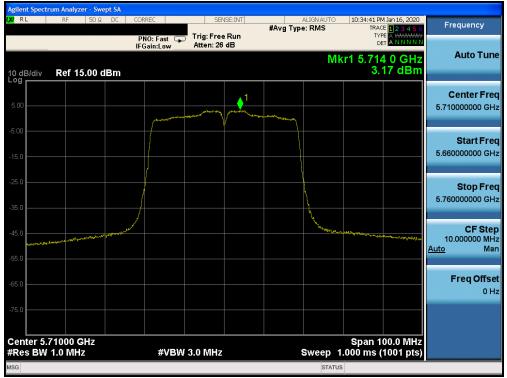
Plot 7-148. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 2C) - Ch. 110)



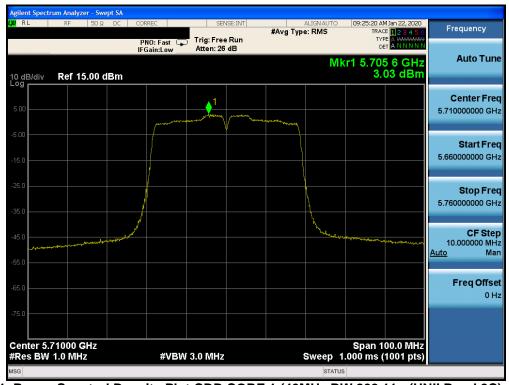
Plot 7-149. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 2C) - Ch. 110)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-150. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 2C) - Ch. 142)



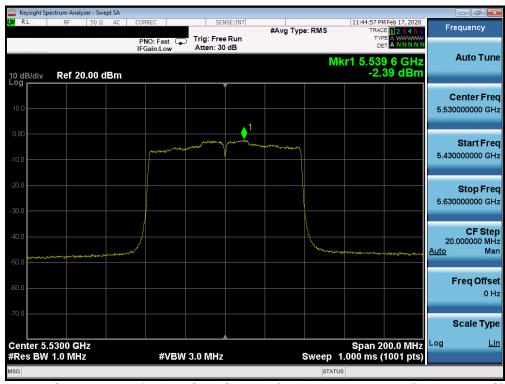
Plot 7-151. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 2C) - Ch. 142)

FCC ID: BCGA2228	<u><i>CPCTEST</i></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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	ctrum Analyz											
LXIRL	RF	50 Ω AC	CORREC		SEI	NSE:INT	#Avg Typ	e: RMS		PM Feb 17, 2020	F	requency
			PNO: IFGain	Fast 🖵	Trig: Free Atten: 30		•		т	YPE A WWWWW		
			IFGain	:Low	Atten: 30	ab						Auto Tune
10 dB/div	Bof 20	.00 dBm						IV	-3	l0 4 GHz .46 dBm		
	Rel 20	.00 UBIII			,	V						
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-10.0												
-20.0												
											E 63	Stop Freq 0000000 GHz
-30.0								ļ			5.63	0000000 GHZ
-40.0								<u>\</u>			2	CF Step
		and have been seen and	www.					horn	and the second s	no on the second second	Auto	Man
-50.0												
												Freq Offset
-60.0												0 Hz
-70.0												
-70.0												Scale Type
Center 5.					0.0 MUL			0	Span	200.0 MHz	Log	Lin
#Res BW	T.U WIFIZ			#VBW	3.0 MHz					(1001 pts)		
MSG								STAT	US			

Plot 7-152. Power Spectral Density Plot CDD CORE 0 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 106)



Plot 7-153. Power Spectral Density Plot CDD CORE 1 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 106)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-154. Power Spectral Density Plot CDD CORE 0 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)



Plot 7-155. Power Spectral Density Plot CDD CORE 1 (80MHz BW 802.11ac (UNII Band 2C) - Ch. 138)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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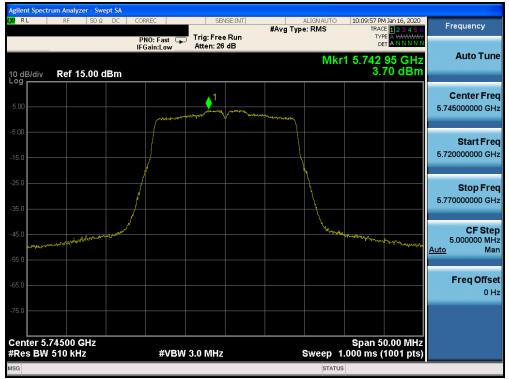


	Frequency [MHz]	Channel No.	802.11 Mode	Data Rate [Mbps]			Summed Power Density [dBm/500kHz]		Margin [dB]
	5745	149	n (20MHz)	6.5/7.2 (MCS0)	3.70	4.23	6.98	30.0	-23.02
	5785	157	n (20MHz)	6.5/7.2 (MCS0)	3.53	4.14	6.86	30.0	-23.14
d 3	5825	165	n (20MHz)	6.5/7.2 (MCS0)	2.95	3.65	6.32	30.0	-23.68
Band	5755	151	n (40MHz)	13.5/15 (MCS0)	0.24	1.49	3.92	30.0	-26.08
	5795	159	n (40MHz)	13.5/15 (MCS0)	-0.02	1.41	3.76	30.0	-26.24
	5775	155	ac (80MHz)	29.3/32.5 (MCS0)	-5.18	-2.54	-0.65	30.0	-30.65

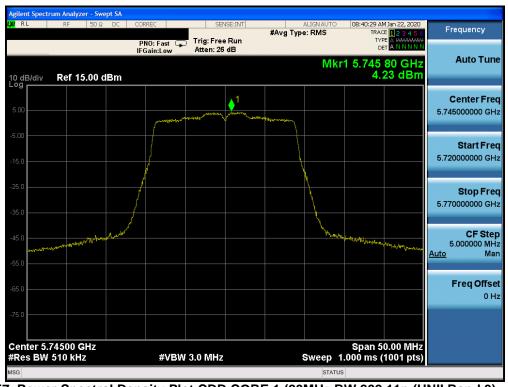
Table 7-34. Band 3 CDD Conducted Power Spectral Density Measurements

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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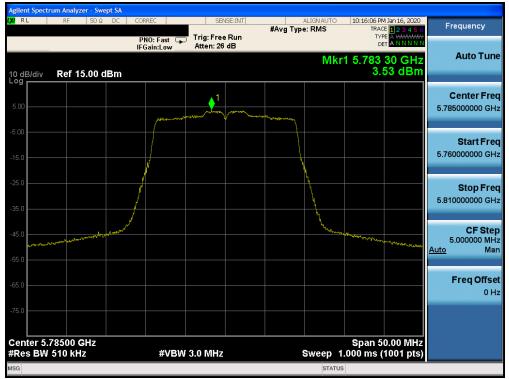
Plot 7-156. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)



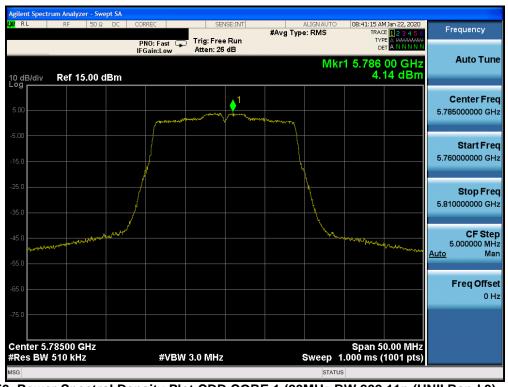
Plot 7-157. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 3) - Ch. 149)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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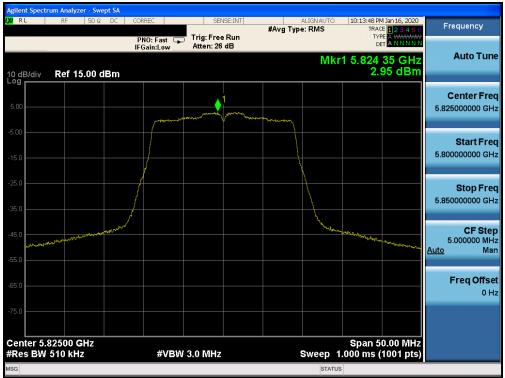
Plot 7-158. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)



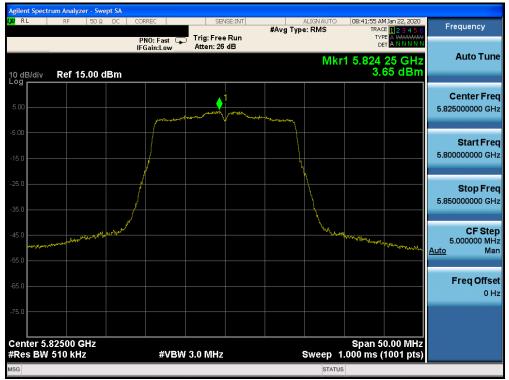
Plot 7-159. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 3) - Ch. 157)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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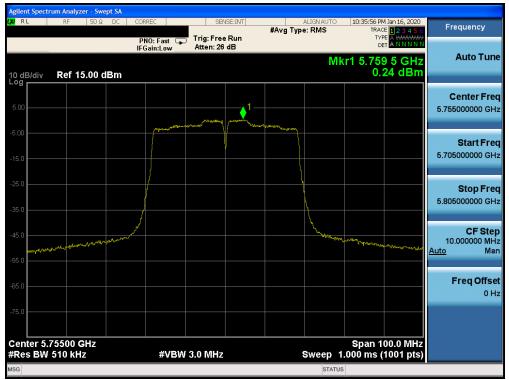
Plot 7-160. Power Spectral Density Plot CDD CORE 0 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)



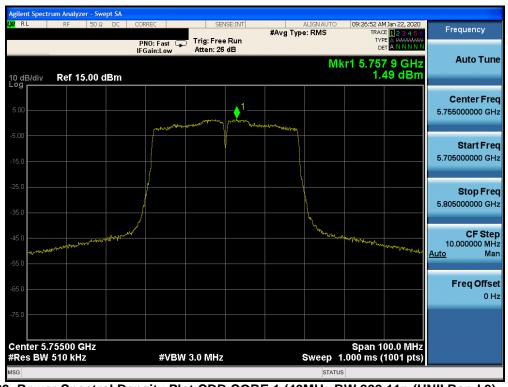
Plot 7-161. Power Spectral Density Plot CDD CORE 1 (20MHz BW 802.11n (UNII Band 3) - Ch. 165)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-162. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)



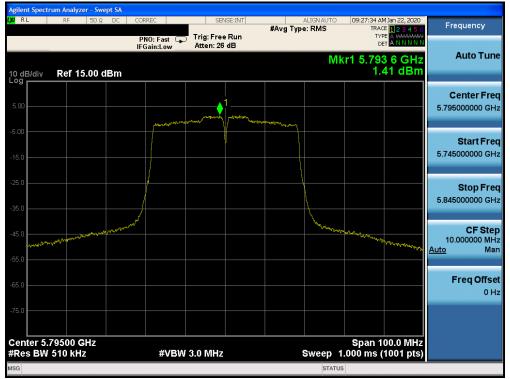
Plot 7-163. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 3) - Ch. 151)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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RL RF 50Ω DC	CORREC	SENSE:INT	ALIGN AUTO	10:37:29 PM Jan 16, 2020	_
	PNO: Fast 😱	Trig: Free Run Atten: 26 dB	#Avg Type: RMS	TRACE 123456 TYPE A WWWWW DET A NNNNN	Frequency
dB/div Ref 15.00 dBm			М	kr1 5.797 5 GHz -0.02 dBm	Auto Tun
5.00	Carrier and a second	1- 	alunu-rannary		Center Fre 5.795000000 GH
5.0					Start Fre 5.745000000 GH
5.0					Stop Fr 5.845000000 GI
5.0 Murrin Marine Marine Marine	www.cold		- the second	where we want and the second	CF Ste 10.000000 MI <u>Auto</u> Mi
5.0					Freq Offs 01
enter 5.79500 GHz				Span 100.0 MHz	
Res BW 510 kHz	#VBW	3.0 MHz	Sweep	1.000 ms (1001 pts)	

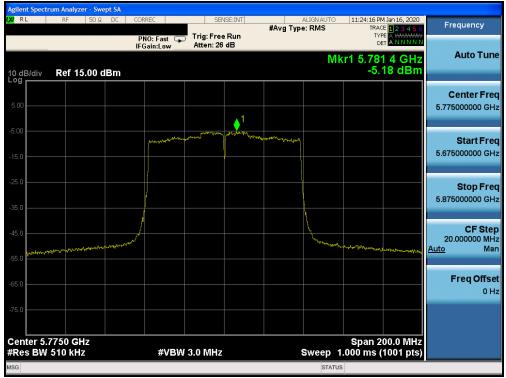
Plot 7-164. Power Spectral Density Plot CDD CORE 0 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)



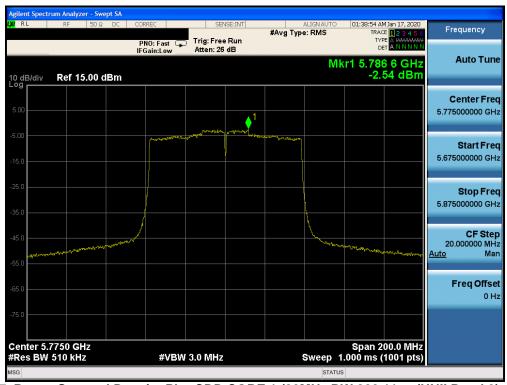
Plot 7-165. Power Spectral Density Plot CDD CORE 1 (40MHz BW 802.11n (UNII Band 3) - Ch. 159)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Plot 7-166. Power Spectral Density Plot CDD CORE 0 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)



Plot 7-167. Power Spectral Density Plot CDD CORE 1 (80MHz BW 802.11ac (UNII Band 3) - Ch. 155)

FCC ID: BCGA2228	<u><u><u></u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Note:

Per ANSI C63.10-2013 Section 14.3.2.2 and KDB 662911 v02r01 Section E)2), the power spectral density at Antenna 1 and Antenna 2 were first measured separately as shown in the section above. The measured values were then summed in linear power units then converted back to dBm.

Sample CDD/SDM Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average conducted power spectral density was measured to be 7.77 dBm for CORE-0 and 7.89 dBm for CORE-1.

Core 0 + Core 1 = CDD/SDM

(6.34 dBm + 7.43 dBm) = (4.305 mW + 5.534 mW) = 9.839 mW = 9.93 dBm

Sample e.i.r.p Power Spectral Density Calculation:

At 5180MHz in 802.11n (20MHz BW) mode, the average CDD/SDM power density was calculated to be 10.84 dBm with directional gain of 4.04 dBi.

e.i.r.p. Power Spectral Density(dBm) = Power Spectral Density (dBm) + Ant gain (dBi)

9.93 dBm + 4.04 dBi = 13.97 dBm

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7.6 Radiated Spurious Emission Measurements – Above 1GHz §15.407(b) §15.205 §15.209; RSS-Gen [8.9]

Test Overview and Limit

All out of band radiated spurious emissions are measured with a spectrum analyzer connected to a receive antenna while the EUT is operating at its maximum duty cycle, at its maximum power control level, as defined in ANSI C63.10-2013 and KDB 789033 D02 v02r01, and at the appropriate frequencies. All channels, modes (e.g. 802.11a, 802.11n (20MHz BW), 802.11n (40MHz BW), and 802.11ac (80MHz)), and modulations/data rates were investigated among all UNII bands. Only the radiated emissions of the configuration that produced the worst case emissions are reported in this section.

For transmitters operating in the 5.15-5.25 GHz and 5.25-5.35 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of −27 dBm/MHz.

For transmitters operating in the 5.47-5.725 GHz band: All emissions outside of the 5.47-5.725 GHz band shall not exceed an EIRP of -27 dBm/MHz.

For transmitters operating in the 5.725-5.85 GHz band: All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

All out of band emissions appearing in a restricted band as specified in Section 15.205 of the Title 47 CFR and Table 6 of RSS-Gen (8.10) must not exceed the limits shown in Table 7-35 per Section 15.209 and RSS-Gen (8.9).

Frequency	Field Strength [μV/m]	Measured Distance [Meters]
Above 960.0 MHz	500	3

Table 7-35. Radiated Limits

Test Procedures Used

ANSI C63.10-2013 – Sections 12.7.7.2, 12.7.6, 12.7.5 KDB 789033 D02 v02r01 – Section G

Test Settings

Average Measurements above 1GHz (Method AD)

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = power average (RMS)
- 5. Number of measurement points = 1001 (Number of points must be $\geq 2 \times \text{span/RBW}$)
- 6. Averaging type = power (RMS)
- 7. Sweep time = auto couple
- 8. Trace was averaged over 100 sweeps

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Peak Measurements above 1GHz

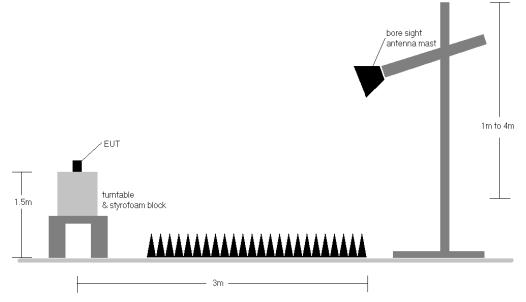
- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. RBW = 1MHz
- 3. VBW = 3MHz
- 4. Detector = peak
- 5. Sweep time = auto couple
- 6. Trace mode = max hold
- 7. Trace was allowed to stabilize

Peak Measurements below 1GHz

- 1. Analyzer center frequency was set to the frequency of the radiated spurious emission of interest
- 2. Span was set greater than 1MHz
- 3. RBW = 120kHz
- 4. Detector = CISPR quasi-peak
- 5. Sweep time = auto couple
- 6. Trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.





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Test Notes

- 1. All emissions that lie in the restricted bands (denoted by a * next to the frequency) specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-35.
- 2. All spurious emissions lying in restricted bands specified in §15.205 and Section 8.10 of RSS-Gen are below the limit shown in Table 7-35. All spurious emissions that do not lie in a restricted band are subject to a peak limit of -27dBm/MHz. At a distance of 3 meters, the field strength limit in dBµV/m can be determined by adding a "conversion" factor of 95.2dB to the EIRP limit of -27dBm/MHz to obtain the limit for out of band spurious emissions of 68.2dBµV/m.
- 3. The antenna is manipulated through typical positions, polarity and length during the tests. The EUT is manipulated through three orthogonal planes.
- 4. This unit was tested with its standard battery.
- 5. The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter using CISPR quasi peak detector below 1GHz. Above 1 GHz, average and peak measurements were taken using linearly polarized horn antennas. The worst-case emissions are reported however emissions whose levels were not within 20dB of the respective limits were not reported.
- 6. Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 7. The wide spectrum spurious emissions plots shown on the following pages are used only for the purpose of emission identification. Any emissions found to be within 20dB of the limit are fully investigated and the results are shown in this section.
- 8. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

Sample Calculations

Determining Spurious Emissions Levels

- ο Field Strength Level [dB_μV/m] = Analyzer Level [dBm] + 107 + AFCL [dB/m]
- AFCL [dB/m] = Antenna Factor [dB/m] + Cable Loss [dB]
- Margin [dB] = Field Strength Level $[dB\mu V/m]$ Limit $[dB\mu V/m]$

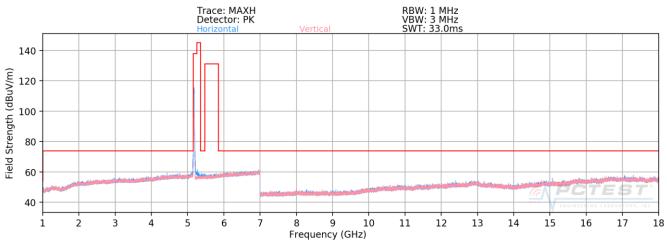
Radiated Band Edge Measurement Offset

• The amplitude offset shown in the radiated restricted band edge plots in Section 7.6 was calculated using the formula:

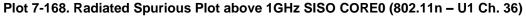
Offset (dB) = (Antenna Factor + Cable Loss + Attenuator) – Preamplifier Gain

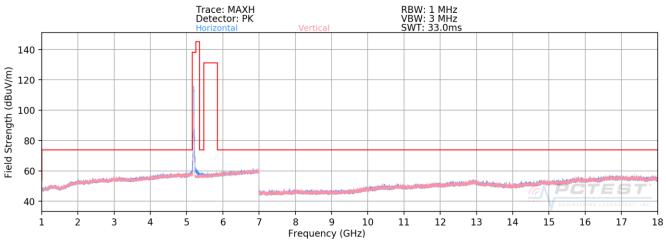
FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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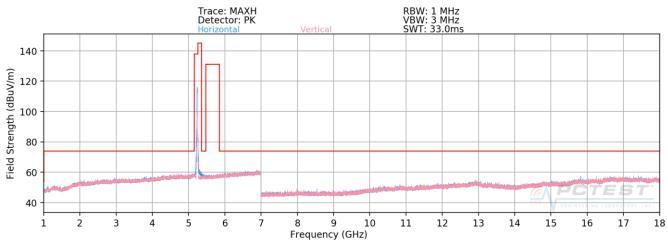


7.6.1 SISO CORE-0 Radiated Spurious Emission Measurements





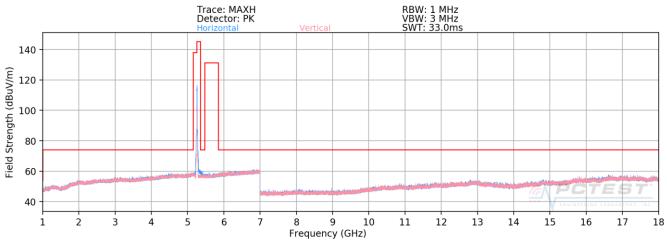
Plot 7-169. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n – U1 Ch. 40)

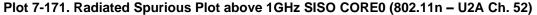


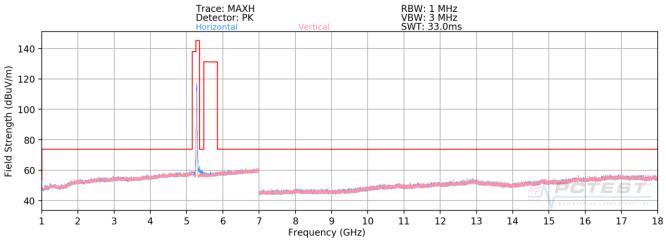
Plot 7-170. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n – U1 Ch. 48)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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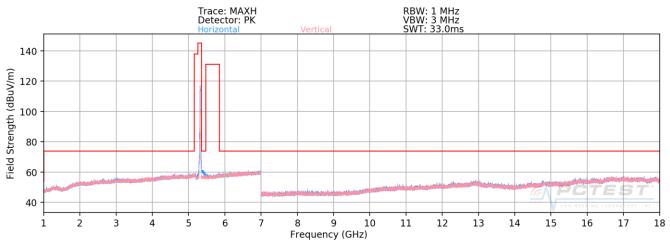








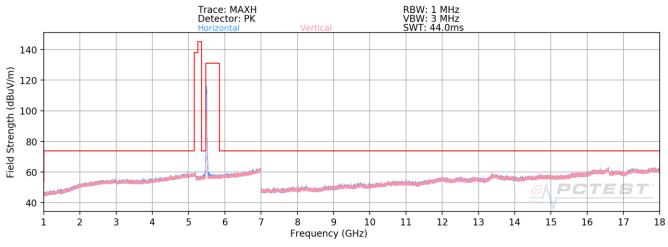
Plot 7-172. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n – U2A Ch. 56)



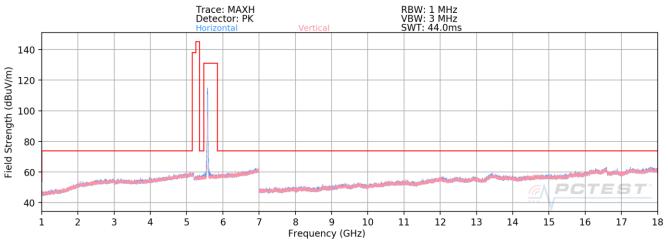
Plot 7-173. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n – U2A Ch. 64)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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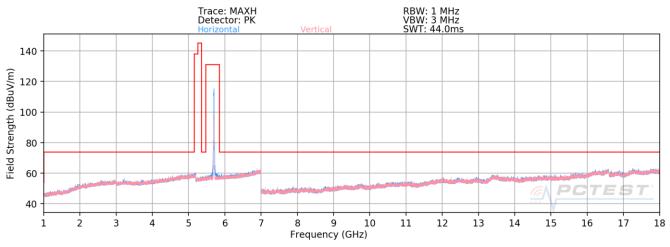








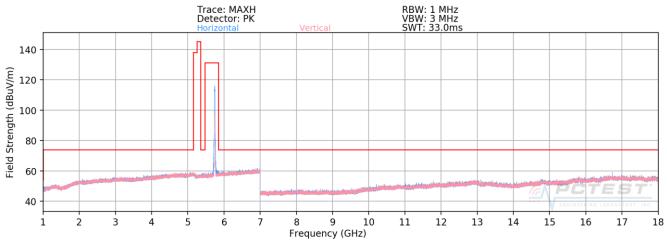
Plot 7-175. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n - U2C Ch. 116)



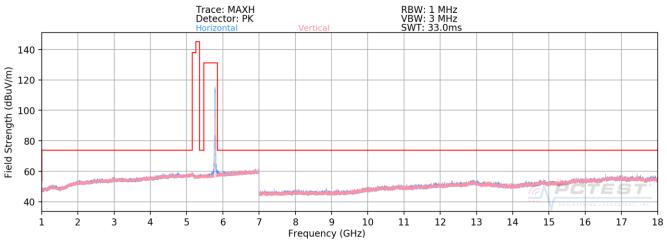
Plot 7-176. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n – U2C Ch. 144)

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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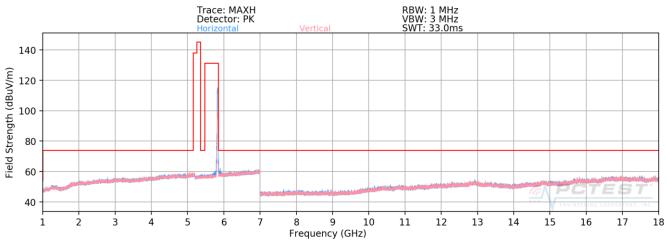








Plot 7-178. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n - U3 Ch. 157)



Plot 7-179. Radiated Spurious Plot above 1GHz SISO CORE0 (802.11n - U3 Ch. 165)

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SISO CORE-0 Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10360.00	Peak	Н	-	-	-71.65	14.34	49.69	68.20	-18.51
15540.00	Average	Н	-	-	-85.07	20.37	42.30	53.98	-11.68
15540.00	Peak	н	-	-	-73.30	20.37	54.07	73.98	-19.91

Table 7-36. Radiated Measurements SISO CORE0

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

802.11n MCS0 3 Meters 5200MHz 40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10400.00	Peak	Н	-	-	-71.69	14.43	49.74	68.20	-18.46
15600.00	Average	Н	-	-	-84.57	20.56	42.99	53.98	-10.99
15600.00	Peak	Н	-	-	-73.53	20.56	54.03	73.98	-19.95

Table 7-37. Radiated Measurements SISO CORE0

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	PCTEST MEASUREMENT REPORT (CERTIFICATION)		
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Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5240MHz
Channel:	48

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10480.00	Peak	Н	-	-	-70.91	14.63	50.72	68.20	-17.48
15720.00	Average	н	-	-	-84.87	21.60	43.73	53.98	-10.25
15720.00	Peak	Н	-	-	-73.77	21.60	54.83	73.98	-19.15

Table 7-38. Radiated Measurements SISO CORE0

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

_	802.11n
	MCS0
	3 Meters
	5260MHz
_	52

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10520.00	Peak	Н	-	-	-71.34	14.85	50.51	68.20	-17.69
15780.00	Average	н	-	-	-85.26	21.89	43.63	53.98	-10.35
15780.00	Peak	Н	-	-	-73.88	21.89	55.01	73.98	-18.97

Table 7-39. Radiated Measurements SISO CORE0

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n		
Worst Case Transfer Rate:	MCS0		
Distance of Measurements:	3 Meters		
Operating Frequency:	5280MHz		
Channel:	56		

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10560.00	Peak	Н	-	-	-71.53	14.65	50.12	68.20	-18.08
15840.00	Average	н	-	-	-85.29	21.53	43.24	53.98	-10.74
15840.00	Peak	Н	-	-	-74.39	21.53	54.14	73.98	-19.84

Table 7-40. Radiated Measurements SISO CORE0

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

	802.11n
	MCS0
	3 Meters
	5320MHz
-	64

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10640.00	Average	Н	-	-	-82.69	14.85	39.16	53.98	-14.82
10640.00	Peak	н	-	-	-71.14	14.85	50.71	73.98	-23.27
15960.00	Average	н	-	-	-82.50	21.74	46.24	53.98	-7.74
15960.00	Peak	Н	-	-	-73.81	21.74	54.93	73.98	-19.05

Table 7-41. Radiated Measurements SISO CORE0

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager	
Test Report S/N:	Test Dates:	EUT Type:	Dage 122 of 204	
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Worst Case Mode:	802.11n		
Worst Case Transfer Rate:	MCS0		
Distance of Measurements:	3 Meters		
Operating Frequency:	5500MHz		
Channel:	100		

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11000.00	Average	Н	-	-	-84.88	19.67	41.79	53.98	-12.19
11000.00	Peak	н	-	-	-73.65	19.67	53.02	73.98	-20.96
16500.00	Peak	Н	-	-	-74.21	26.61	59.40	68.20	-8.80

Table 7-42. Radiated Measurements SISO CORE0

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

802.11n
MCS0
3 Meters
5580MHz
116

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11160.00	Average	Н	-	-	-85.15	19.84	41.69	53.98	-12.29
11160.00	Peak	Н	-	-	-73.24	19.84	53.60	73.98	-20.38
16740.00	Peak	Н	-	-	-74.35	26.80	59.45	68.20	-8.75

Table 7-43. Radiated Measurements SISO CORE0

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dega 102 of 204
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Worst Case Mode:	802.11n		
Worst Case Transfer Rate:	MCS0		
Distance of Measurements:	3 Meters		
Operating Frequency:	5720MHz		
Channel:	144		

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11440.00	Average	Н	-	-	-85.73	20.25	41.52	53.98	-12.46
11440.00	Peak	н	-	-	-73.37	20.25	53.88	73.98	-20.10
17160.00	Peak	Н	-	-	-73.95	27.51	60.56	68.20	-7.64

Table 7-44. Radiated Measurements SISO CORE0

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

802.11n
MCS0
3 Meters
5745MHz
149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11490.00	Average	Н	-	-	-83.58	16.37	39.79	53.98	-14.19
11490.00	Peak	Н	-	-	-71.70	16.37	51.67	73.98	-22.31
17235.00	Peak	Н	-	-	-72.78	22.25	56.47	68.20	-11.73

Table 7-45. Radiated Measurements SISO CORE0

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5785MHz
Channel:	157

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11570.00	Average	Н	-	-	-84.10	17.01	39.91	53.98	-14.07
11570.00	Peak	Н	-	-	-72.36	17.01	51.65	73.98	-22.33
17355.00	Peak	Н	-	-	-73.89	22.61	55.72	68.20	-12.48

Table 7-46. Radiated Measurements SISO CORE0

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

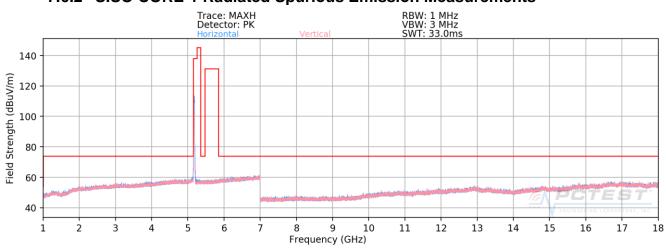
_	802.11n
_	MCS0
	3 Meters
	5825MHz
-	165
-	

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11650.00	Average	Н	-	-	-79.89	16.45	43.56	53.98	-10.42
11650.00	Peak	Н	-	-	-68.33	16.45	55.12	73.98	-18.86
17475.00	Peak	Н	-	-	-70.45	21.94	58.49	68.20	-9.71

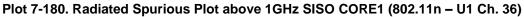
Table 7-47. Radiated Measurements SISO CORE0

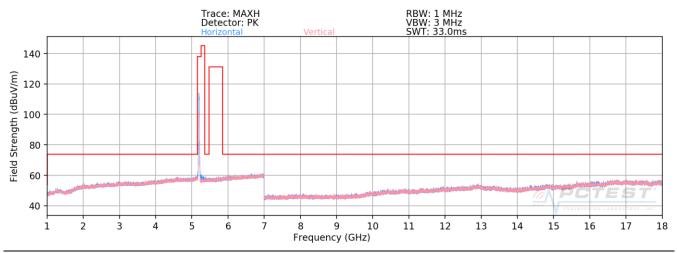
FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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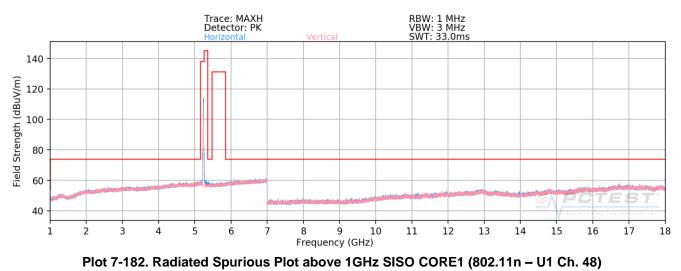


7.6.2 SISO CORE-1 Radiated Spurious Emission Measurements





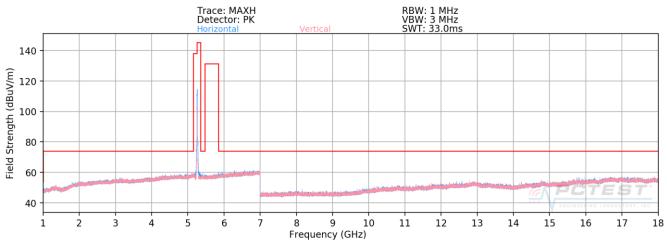
Plot 7-181. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n - U1 Ch. 40)



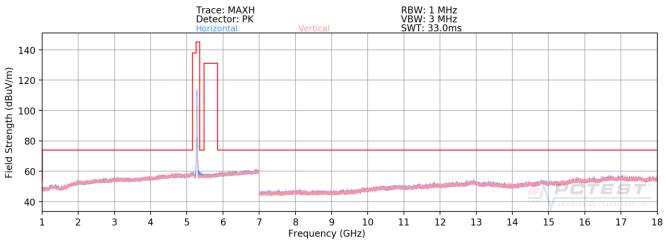
FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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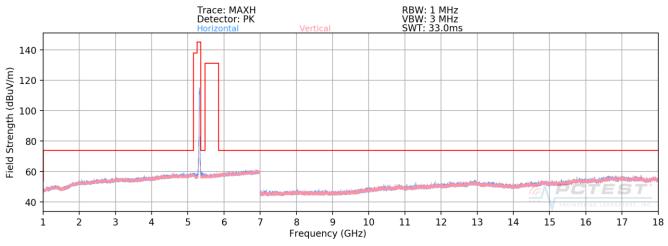








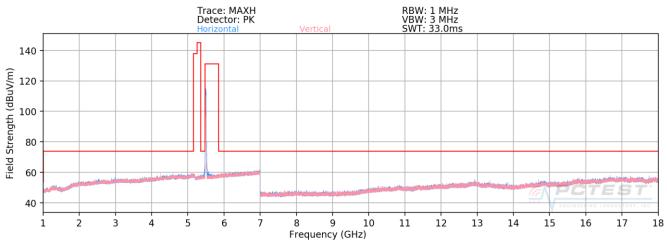
Plot 7-184. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n - U2A Ch. 56)



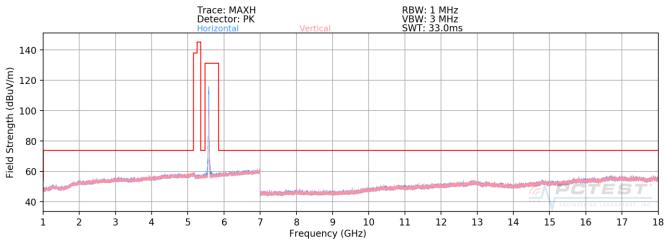
Plot 7-185. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n - U2A Ch. 64)

FCC ID: BCGA2228	PCTEST	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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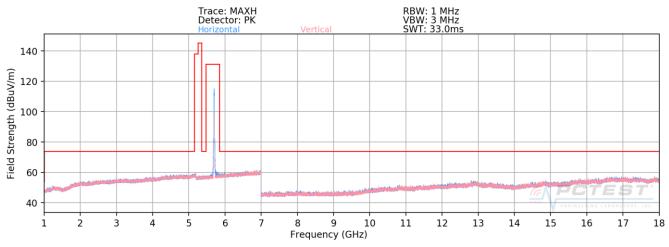








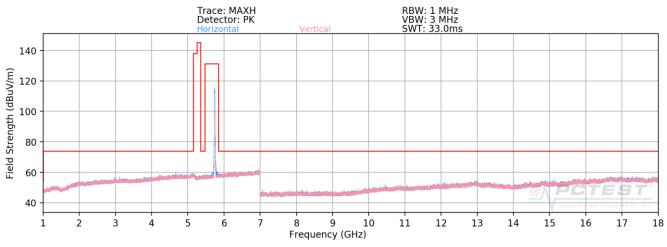
Plot 7-187. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n – U2C Ch. 116)



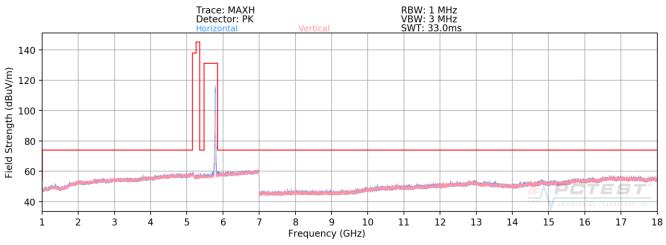
Plot 7-188. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n – U2C Ch. 144)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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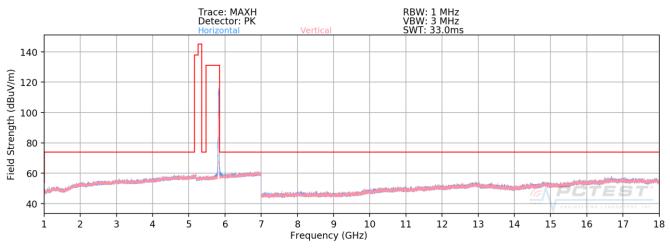








Plot 7-190. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n - U3 Ch. 157)



Plot 7-191. Radiated Spurious Plot above 1GHz SISO CORE1 (802.11n - U3 Ch. 165)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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SISO CORE-1 Radiated Spurious Emission Measurements §15.407(b) §15.205 & §15.209; RSS-Gen [8.9]

Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5180MHz
Channel:	36

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10360.00	Peak	Н	-	-	-70.57	14.34	50.77	68.20	-17.43
15540.00	Average	Н	-	-	-84.78	20.37	42.59	53.98	-11.39
15540.00	Peak	Н	-	-	-73.26	20.37	54.11	73.98	-19.87

Table 7-48. Radiated Measurements SISO CORE1

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel: 802.11n MCS0 3 Meters 5200MHz 40

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10400.00	Peak	Н	-	-	-70.98	14.43	50.45	68.20	-17.75
15600.00	Average	Н	-	-	-84.68	20.56	42.88	53.98	-11.10
15600.00	Peak	Н	-	-	-73.04	20.56	54.52	73.98	-19.46

Table 7-49. Radiated Measurements SISO CORE1

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5240MHz
Channel:	48

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10480.00	Peak	Н	-	-	-71.31	14.63	50.32	68.20	-17.88
15720.00	Average	н	-	-	-83.90	21.60	44.70	53.98	-9.28
15720.00	Peak	Н	-	-	-72.98	21.60	55.62	73.98	-18.36

Table 7-50. Radiated Measurements SISO CORE1

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

_	802.11n
	MCS0
	3 Meters
	5260MHz
	52

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10520.00	Peak	Н	-	-	-71.66	14.85	50.19	68.20	-18.01
15780.00	Average	Н	-	-	-85.17	21.89	43.72	53.98	-10.26
15780.00	Peak	Н	-	-	-73.67	21.89	55.22	73.98	-18.76

Table 7-51. Radiated Measurements SISO CORE1

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5280MHz
Channel:	56

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10560.00	Peak	Н	-	-	-70.84	14.65	50.81	68.20	-17.39
15840.00	Average	Н	-	-	-84.90	21.53	43.63	53.98	-10.35
15840.00	Peak	Н	-	-	-73.37	21.53	55.16	73.98	-18.82

Table 7-52. Radiated Measurements SISO CORE1

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

_	802.11n
_	MCS0
_	3 Meters
_	5320MHz
_	64

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
10640.00	Average	Н	-	-	-82.92	14.85	38.93	53.98	-15.05
10640.00	Peak	н	-	-	-71.69	14.85	50.16	73.98	-23.82
15960.00	Average	н	-	-	-84.68	21.74	44.06	53.98	-9.92
15960.00	Peak	Н	-	-	-73.87	21.74	54.87	73.98	-19.11

Table 7-53. Radiated Measurements SISO CORE1

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n		
Worst Case Transfer Rate:	MCS0		
Distance of Measurements:	3 Meters		
Operating Frequency:	5500MHz		
Channel:	100		

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11000.00	Average	Н	-	-	-83.26	15.88	39.62	53.98	-14.36
11000.00	Peak	Н	-	-	-71.70	15.88	51.18	73.98	-22.80
16500.00	Peak	Н	-	-	-72.88	21.60	55.72	68.20	-12.48

Table 7-54. Radiated Measurements SISO CORE1

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

802.11n
MCS0
3 Meters
5580MHz
116

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11160.00	Average	Н	-	-	-83.82	15.76	38.94	53.98	-15.04
11160.00	Peak	Н	-	-	-72.40	15.76	50.36	73.98	-23.62
16740.00	Peak	Н	-	-	-73.22	22.79	56.57	68.20	-11.63

Table 7-55. Radiated Measurements SISO CORE1

FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n		
Worst Case Transfer Rate:	MCS0		
Distance of Measurements:	3 Meters		
Operating Frequency:	5720MHz		
Channel:	144		

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11440.00	Average	Н	-	-	-83.54	16.74	40.20	53.98	-13.78
11440.00	Peak	н	-	-	-72.76	16.74	50.98	73.98	-23.00
17160.00	Peak	Н	-	-	-72.67	21.60	55.93	68.20	-12.27

Table 7-56. Radiated Measurements SISO CORE1

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

_	802.11n
_	MCS0
_	3 Meters
_	5745MHz
-	149

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11490.00	Average	Н	-	-	-83.67	16.37	39.70	53.98	-14.28
11490.00	Peak	н	-	-	-72.39	16.37	50.98	73.98	-23.00
17235.00	Peak	Н	-	-	-73.41	22.25	55.84	68.20	-12.36

Table 7-57. Radiated Measurements SISO CORE1

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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Worst Case Mode:	802.11n
Worst Case Transfer Rate:	MCS0
Distance of Measurements:	3 Meters
Operating Frequency:	5785MHz
Channel:	157

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11570.00	Average	Н	-	-	-84.01	17.01	40.00	53.98	-13.98
11570.00	Peak	н	-	-	-73.54	17.01	50.47	73.98	-23.51
17355.00	Peak	Н	-	-	-73.88	22.61	55.73	68.20	-12.47

Table 7-58. Radiated Measurements SISO CORE1

Worst Case Mode: Worst Case Transfer Rate: Distance of Measurements: Operating Frequency: Channel:

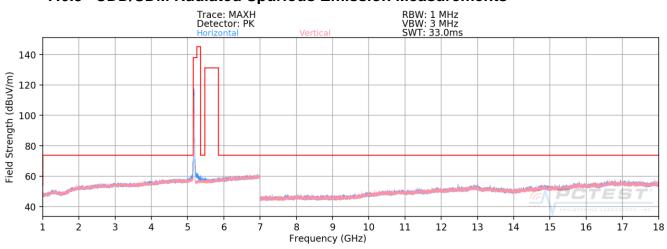
802.11n
MCS0
3 Meters
5825MHz
165

Frequency [MHz]	Detector	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Limit [dBµV/m]	Margin [dB]
11650.00	Average	Н	-	-	-84.26	16.45	39.19	53.98	-14.79
11650.00	Peak	Н	-	-	-72.86	16.45	50.59	73.98	-23.39
17475.00	Peak	Н	-	-	-73.60	21.94	55.34	68.20	-12.86

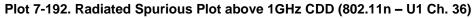
Table 7-59. Radiated Measurements SISO CORE1

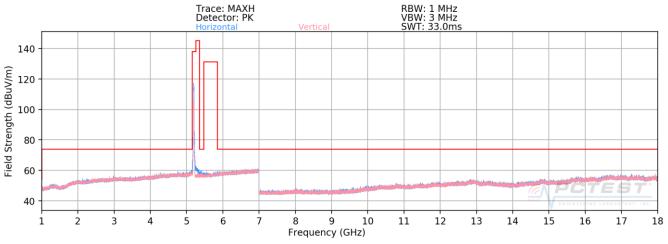
FCC ID: BCGA2228	<u><u>PCTEST</u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 145 of 204
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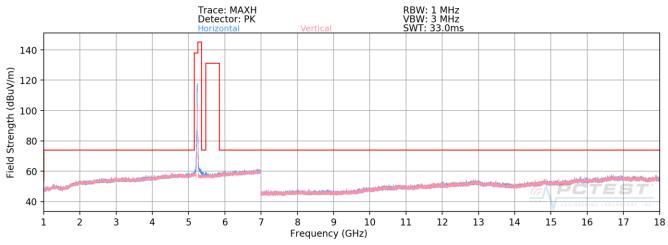


7.6.3 CDD/SDM Radiated Spurious Emission Measurements









Plot 7-194. Radiated Spurious Plot above 1GHz CDD (802.11n - U1 Ch. 48)

FCC ID: BCGA2228	<u><u><u></u><u>PCTEST</u></u></u>	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 146 of 204
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