2TX Antenna 1 + Antenna 2 OFDMA MODE - 242-Tones, RU Index 64

Channel	Fraguanay	26 dP Pandwidth	26 dB Bandwidth
Channel	Frequency	20 UB Balluwiutii	20 UD Dalluwiuuli
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	46.00	46.20



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	29.40	25.40



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 56/57

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	37.60	35.00



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 60

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	32.80	28.20



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	24.40	21.80



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 44/45

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	36.60	31.00



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 52

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	28.80	22.00



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	24.00	22.20



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 18

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	44.40	40.00



MID CHANNEL

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2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 36

Channel	Frequency	26 dB Bandwidth	26 dB Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	26.40	22.20



MID CHANNEL

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8.3. 99% BANDWIDTH

LIMITS

None; for reporting purposes only.

<u>RESULTS</u>

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8.3.1. 802.11a MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5180	16.590	16.576
Mid	5200	16.616	16.565
High	5240	16.600	16.479

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



8.3.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5180	17.707	17.907
Mid	5200	17.739	17.943
High	5240	17.777	17.776

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



8.3.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5190	36.301	36.411
High	5230	36.328	36.203

LOW CHANNEL



HIGH CHANNEL



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8.3.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5210	75.808	75.954

MID CHANNEL

	p 🔆 Agilent 06:22:04 Nov 2, 2018 L Meas Setup	
Ch Freq 5.21 GHz Trig Free Occupied Bandwidth Averages: 98	Ch Freq 5.21 GHz Trig Free 100 0ff 0ccupied Bandwidth Averages: 100 0n 0ff	
Aryg Mo APv8.8.1(092618),39004_LN, Conducted A APv8.8.1(092618),39004_LN, Conducted A	de Avg Mode Exp Avg Mode Exp Repeat	
Ket 30 dbm #Htten 40 db *Peak Max Hi Log	old Peak Htten 40 dB Max Hold Off Log Off 10 Peak Off 10 Off	
dB/ Offst 11.1	wr 0 Z 0ffst 0.1 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0 0	
OB OB Sc Center 5.210 00 GHz Res BU 15 MHz #VBU 4 MHz Sween 1 066 ms (1000 nt)	OB OBW Span Hz Center 5.210 00 GHz Span 160 MHz Lecs Rul 15 MHz #VRU 4 MHz Sween 1 066 ms (1000 nts)	
Occupied Bandwidth Occ BH % PHr 99.00 % -26.00 75 8080 MHz x dB -26.00 dB -26.00	dB Occupied Bandwidth Occ BM % PMr 99.00 % 26.00 dB 75 9538 MHz × dB -26.00 dB 26.00 dB 26.00 dB	
Transmit Freq Error -81.435 kHz Optim x dB Bandwidth 83.480 MHz Ref Lev	vel Transmit Freq Error -43.481 kHz Optimize x dB Bandwidth 83.518 MHz Ref Level	
Copyright 2000-2010 Agilent Technologies Copyright 2000-2010 Agilent Technologies		
MID CHANNEL CHAIN 0	MID CHANNEL CHAIN 1	

8.3.5. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5180	19.1128	19.1041
Mid	5200	19.0807	19.1274
High	5240	19.0759	19.1241

LOW CHANNEL



MID CHANNEL



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REPORT NO: 12563734-E5V3 FCC ID: A3LSMG970F

HIGH CHANNEL



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8.3.6. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5190	37.6376	37.5208
High	5230	37.6479	37.5230

LOW CHANNEL



HIGH CHANNEL



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8.3.7. 802.11ax HE80 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5210	76.9141	76.9829

MID CHANNEL



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8.3.8. 802.11a MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5260	16.655	16.494
Mid	5300	16.646	16.683
High	5320	16.574	16.634

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



8.3.9. 802.11n HT20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5260	17.760	17.776
Mid	5300	17.829	17.980
High	5320	17.716	17.744

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



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8.3.10. 802.11n HT40 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5270	36.406	36.332
High	5310	36.406	36.442

LOW CHANNEL



HIGH CHANNEL



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8.3.11. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5290	75.922	75.928

MID CHANNEL

* Agilent 10:18:22 Nov 2, 2018 L [Freq/Channel]	* Aglient 10:23:21 Nov 2, 2018 L Freq/Channel
Center Freq Ch Freq 5.29 GHz Trig Free Occupied Bandwidth Averages: 1	Ch Freq 5.29 GHz Trig Free 5.2900000 GHz
APv8.8.1(092618),39005, Conducted A	APv8.8.1(092618),39005, Conducted A 5.21000000 GHz
Ref 30 dBm •Atten 40 dB • Stop Freq •Peak	Ref 30 dBm +Atten 40 dB +Peak
10 dB/ Offst 12.3 CF Step 16.0000000 MHz <u>Auto</u> Man	10 dB/ Offst akmenular 10 12.3 CF Step 16.0000000 MHz <u>Auto</u> Man
dB Freq Offset Center 5.290 00 GHz Span 160 MHz	dB Freq Offset Center 5.290 00 GHz Span 160 MHz
•Kes BM 1.5 MHz •VBM 5 MHz Sweep 1.066 ms (1000 pts) Signal Track Occupied Bandwidth Occ BM % Pwr 99.00 % On Off 7E 0210 MU x dB -26.00 dB On Off	IRES BW 1.5 MHz *VBW 5 MHz Sweep 1.066 ms (1000 pts) Occ BW X Pwr 99.00 X Occ BW X Pwr 99.00 X On Offer TE COOD MU x dB -26.00 dB
73.3210 IIII2 IIII2 IIII2 Transmit Freq Error -840.686 Hz IIII2 IIII2 <thiii2< th=""> <thiii2< th=""> <thiii2< th=""></thiii2<></thiii2<></thiii2<>	/ 3.3203 FINZ 0.02 FINZ Transmit Freq Error -135.261 kHz x dB Bandwidth 86.946 MHz
Copyright 2000–2010 Agilent Technologies	Copyright 2000–2010 Agilent Technologies
MID CHANNEL CHAIN 0	MID CHANNEL CHAIN 1

8.3.12. 802.11ax HE20 MODE IN THE 5.3 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5260	19.1935	19.1175
Mid	5300	19.1747	19.1217
High	5320	19.1782	19.1138

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



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8.3.13. 802.11ax HE40 MODE IN THE 5.3 GHz BAND

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5270	37.5460	37.4915
High	5310	37.5037	37.5210

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

LOW CHANNEL







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8.3.14. 802.11ax HE80 MODE IN THE 5.3 GHz BAND

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5290	76.9104	76.8783

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

MID CHANNEL



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8.3.15. 802.11a MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5500	16.580	16.637
Mid	5580	16.627	16.659
High	5700	16.625	16.659
144	5720	16.495	16.518

LOW CHANNEL



MID CHANNEL

* Agilent 15:26:07 Nov 2, 2018 L Freq/Cha	annel Agilent 14:40:31 Nov 2, 2018 L Freq/Channel		
Ch Freq 5.58 GHz Center 0ccupied Bandwidth Averages: 1	Freq Ch Freq 5.58 GHz Trig Center Freq 5.58000000 GHz 0 GHz 0ccupied Bandwidth Averages: 1 5.58000000 GHz 5.58000000 GHz		
Start 6Pv9.0(103118).39005. Conducted A	Freq Start Freq 0 GHz GPv9.0(103118).39005. Conducted A 5.56000000 GHz		
Ref 30 dBm +Atten 40 dB *Samp 5.600000 Log 5.600000	Freq Ref 30 dBm *Atten 40 dB Stop Freq % Samp		
10 CF dB/ Offst 12.5 Market with the second sec	Step dB/ Man 10 9 9 10 0 CF Step d.0000000 MHz 400000000 MHz 4000000000 MHz 400000000 MHz 400000000 MHz 4000000000 MHz 4000000000 MHz		
Center 5.580 00 GHz FIELD 1 Mile Super 1420 ev. (400 miles) 0.00000000	OB Image: Apple and apple		
Image: Non-state Image: Non-state Non-state </th <th>Track Off Occupied Bandwidth Occ BH % Pwr 99.00 % On Off 16.6590 MHz × dB -26.00 dB</th>	Track Off Occupied Bandwidth Occ BH % Pwr 99.00 % On Off 16.6590 MHz × dB -26.00 dB		
Transmit Freq Error -6.702 kHz × dB Bandwidth 20.353 MHz*	Transmit Freq Error 1.851 kHz x dB Bandwidth 20.137 MHz*		
Copyright 2000-2010 Agilent Technologies	Copyright 2000-2010 Agilent Technologies		
MID CHANNEL CHAIN 0	MID CHANNEL CHAIN 1		

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HIGH CHANNEL



CHANNEL 144



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8.3.16. 802.11n HT20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5500	17.813	17.788
Mid	5580	17.772	17.768
High	5700	17.757	17.721
144	5720	18.024	17.796

LOW CHANNEL





MID CHANNEL

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HIGH CHANNEL



CHANNEL 144



8.3.17. 802.11n HT40 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5510	36.188	36.394
Mid	5550	36.298	36.334
High	5670	36.159	36.244
142	5710	36.404	36.246

LOW CHANNEL





MID CHANNEL

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HIGH CHANNEL



CHANNEL 142



8.3.18. 802.11ac VHT80 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5530	75.851	75.634
High	5610	75.684	75.946
138	5690	75.403	75.316

LOW CHANNEL



HIGH CHANNEL



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CHANNEL 138



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8.3.19. 802.11ax HE20 MODE IN THE 5.6 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5500	19.1596	19.1155
Mid	5580	19.1741	19.1498
High	5700	19.1598	19.1694
144	5720	19.1621	19.1906

LOW CHANNEL





MID CHANNEL

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HIGH CHANNEL



CHANNEL 144



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8.3.20. 802.11ax HE40 MODE IN THE 5.6 GHz BAND

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5510	37.5136	37.5070
Mid	5550	37.5167	37.5552
High	5670	37.5348	37.5503
142	5710	37.5262	37.5371

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

LOW CHANNEL







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HIGH CHANNEL



CHANNEL 142



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8.3.21. 802.11ax HE80 MODE IN THE 5.6 GHz BAND

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5530	76.8598	76.8909
High	5610	76.9617	76.8869
138	5690	76.9804	76.9350

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

LOW CHANNEL





HIGH CHANNEL

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CHANNEL 138



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8.3.22. 802.11a MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5745	16.589	16.548
Mid	5785	16.542	16.707
High	5825	16.558	16.550

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



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8.3.23. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5745	17.771	17.758
Mid	5785	17.766	17.787
High	5825	17.827	17.779

LOW CHANNEL



MID CHANNEL



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HIGH CHANNEL



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8.3.24. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5755	36.281	36.468
High	5795	36.222	36.272

LOW CHANNEL



HIGH CHANNEL



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8.3.25. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	75.906	76.046

MID CHANNEL

Agilent 20:57:52 Nov 6, 2018 L Freq/Channel Ch Freq 5.775 GHz Trig Free 5.77500000 GHz 5.77500000 GHz 5.77500000 GHz 5.77500000 GHz	** Agilent 20:53:01 Nov 6, 2018 L Freq/Channel Ch Freq 5.775 GHz Trig Free 5.7750000 GHz
Uccupied Bandwidth Hverages: 1 Start Freq 5.69500000 GHz Log 0 GK CF Step 16.000000 MHz	Uccupied Bandwidth Hverages: 1 APv8.8.1(092618),39005, Conducted A Start Freq Ref 30 dBm =Ntten 40 dB *Peak 5.85500000 GHz Log 5.85500000 GHz 10 6.05500000 GHz 10 6.05500000 GHz 10 6.0000000 GHz 10 6.0000000 GHz
12.7 dB Huto Man Center 5.775 00 GHz Span 160 MHz Freq Offset •Res BH 1.5 MHz •VBW 4 MHz Sweep 1.066 ms (1000 pts) Occupied Bandwidth Occ BH Z PHZ 93.00 Z •VBW 4 MHz Sweep 1.066 ms (1000 pts) Signal Track •Occupied Bandwidth •VBW 4 MHz •VBW 2 MHz •VBW 9 ML	12.7 Hute Hute Man dB Freq Offset 0.00000000 Hz 0.00000000 Hz 0.00000000 Hz 0.00000000 Hz 0.00000000 Hz Signal Track 0n Offset 0n Offset 0n Offset 0n 0ffset 0n 0ffset 0n 0ffset 0ffset
75.9000 MHZ 70.9000 MHZ Transmit Freq Error -41.959 KHz x dB Bandwidth 85.102 MHz Copyright 2000-2010 Agilent Technologies MID CHANNEL CHAIN 0	/b.04b3 MHz 20.00 MHz Transmit Freq Error -54.563 kHz x dB Bandwidth 82.877 MHz Copyright 2000-2010 Agilent Technologies MID CHANNEL CHAIN 1

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8.3.26. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5745	19.1860	19.2101
Mid	5785	19.1558	19.2234
High	5825	19.2006	19.2290

LOW CHANNEL



MID CHANNEL



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REPORT NO: 12563734-E5V3 FCC ID: A3LSMG970F

HIGH CHANNEL



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8.3.27. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Low	5755	37.5333	37.5529
High	5795	37.4609	37.5012

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

LOW CHANNEL







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8.3.28. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

Channel	Frequency	99% Bandwidth	99% Bandwidth
		Chain 0	Chain 1
	(MHz)	(MHz)	(MHz)
Mid	5775	76.8843	76.9775

2TX Antenna 1 + Antenna 2 OFDMA MODE – 996-Tones, RU Index 67

MID CHANNEL



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8.4. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

The minimum 6 dB bandwidth shall be at least 500 kHz.

<u>RESULTS</u>

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8.4.1. 802.11a MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	6 dB BW	6 dB BW 6 dB BW	
		Chain 0	Chain 1	Limit
	(MHz)	(MHz)	(MHz)	(MHz)
Low	5745	16.359	16.329	0.5
Mid	5785	16.341	16.329	0.5
High	5825	16.329	16.341	0.5
144	5720	3.219	3.195	0.5

LOW CHANNEL





MID CHANNEL

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HIGH CHANNEL



CHANNEL 144



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8.4.2. 802.11n HT20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel Frequency		6 dB BW	6 dB BW	Minimum
		Chain 0	Chain 1	Limit
	(MHz)	(MHz)	(MHz)	(MHz)
Low	5745	17.586	17.592	0.5
Mid	5785	17.605	17.611	0.5
High	5825	17.580	17.568	0.5
144	5720	3.915	3.830	0.5

LOW CHANNEL





MID CHANNEL

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HIGH CHANNEL



CHANNEL 144



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8.4.3. 802.11n HT40 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel Frequency		6 dB BW 6 dB BW		Minimum	
		Chain 0	Chain 1	Limit	
	(MHz)	(MHz)	(MHz)	(MHz)	
Low	5755	36.3450	36.3330	0.5	
High	5795	36.2470	36.2840	0.5	
142	5710	3.2090	3.1720	0.5	

LOW CHANNEL





HIGH CHANNEL

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CHANNEL 142



8.4.4. 802.11ac VHT80 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE

Channel	Frequency	6 dB BW	6 dB BW 6 dB BW	
		Chain 0	Chain 1	Limit
	(MHz)	(MHz)	(MHz)	(MHz)
Mid	5775	75.156	75.473	0.5
138	5690	3.1760	3.1520	0.5

MID CHANNEL



CHANNEL 138



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8.4.5. 802.11ax HE20 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency	6 dB BW 6 dB BW		Minimum	
		Chain 0	Chain 1	Limit	
	(MHz)	(MHz)	(MHz)	(MHz)	
Low	5745	2.027	1.996	0.5	
Mid	5785	2.014	2.027	0.5	
High	5825	1.990	1.990	0.5	

LOW CHANNEL





MID CHANNEL

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HIGH CHANNEL

Page 313 of 1121

8.4.6. 802.11ax HE40 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency	6 dB BW	6 dB BW	Minimum	
		Chain 0	Chain 1	Limit	
	(MHz)	(MHz)	(MHz)	(MHz)	
Low	5755	1.966	2.051	0.5	
High	5795	1.978	1.929	0.5	



LOW CHANNEL





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8.4.7. 802.11ax HE80 MODE IN THE 5.8 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

Channel	Frequency	6 dB BW	6 dB BW	Minimum	
		Chain 0	Chain 1	Limit	
	(MHz)	(MHz)	(MHz)	(MHz)	
Mid	5775	2.051	2.051	0.5	



MID CHANNEL

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8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15-5.25 GHz

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section ${\sf F}$

DIRECTIONAL ANTENNA GAIN

For 2 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

	Chain 0	Chain 1	Uncorrelated Chains	Correlated Chains
	Antenna	Antenna	Directional	Directional
Band	Gain	Gain	Gain	Gain
(GHz)	(dBi)	(dBi)	(dBi)	(dBi)
5.2	-2.27	-1.75	-2.00	1.00
5.3	-2.10	-0.16	-1.02	1.93
5.6	-2.10	-2.50	-2.30	0.71
5.8	-7.19	-6.65	-6.91	-3.91

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8.5.1. 802.11a MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

0.29

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	16.90	16.45	19.69	24.00	-4.31
Mid	5200	16.89	16.49	19.70	24.00	-4.30
High	5240	16.91	16.45	19.70	24.00	-4.30

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dB)
Low	5180	6.59	6.54	9.87	11.00	-1.13
Mid	5200	7.07	6.50	10.09	11.00	-0.91
High	5240	6.58	6.53	9.86	11.00	-1.14

LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



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8.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

0.31

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	16.92	16.43	19.69	24.00	-4.31
Mid	5200	16.92	16.45	19.70	24.00	-4.30
High	5240	16.90	16.44	19.69	24.00	-4.31

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	6.19	6.52	9.68	11.00	-1.32
Mid	5200	6.22	6.54	9.70	11.00	-1.30
High	5240	6.32	5.68	9.33	11.00	-1.67

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MID CHANNEL



HIGH CHANNEL



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8.5.3. 802.11n HT40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

Antenna Gain and Limits

Channel	Frequency	Directional	Directional Directional		PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5190	-2.00	1.00	24.00	11.00
High	5230	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB) 0.60

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	(MHz) 5190	(dBm) 15.68	(dBm) 15.47	(dBm) 18.59	(dBm) 24.00	(dB) -5.41

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/	(dBm/	(dBm/	(dBm/	(dB)
		1MHz)	1MHz)	1MHz)	1MHz)	
Low	5190	1.89	4.02	6.69	11.00	-4.31
High	5230	2.30	5.33	7.68	11.00	-3.32

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HIGH CHANNEL



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8.5.4. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 CDD MODE (FCC) MOBILE

Antenna Gain and Limits PSD Channel Frequency Directional Directional Power Limit Gain Gain Limit for Power for PSD (MHz) (dBi) (dBi) (dBm) (dBm/ 1MHz) Mid 5210 -2.00 1.00 24.00 11.00

Duty Cycle CF (dB) 1.95

Output Power Results							
Channel	Frequency	Chain 0	Chain 1	Total	Power	Power	
		Meas	Meas	Corr'd	Limit	Margin	
		Power	Power	Power			
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)	
Mid	5210	14.92	14.42	17.69	24.00	-6.31	

Included in Calculations of Corr'd PSD

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/	(dBm/	(dBm/	(dBm/	(dB)
		1MHz)	1MHz)	1MHz)	1MHz)	
Mid	5210	-3.03	-3.40	1.75	11.00	-9.25

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MID CHANNEL

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8.5.5. 802.11ax HE20 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 242-Tones, RU Index 61

0.67

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
	(MH7)	for Power (dBi)	for PSD (dBi)	(dBm)	(dBm/
	(141112)	(UDI)	(UDI)	(abiii)	1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	16.88	16.20	19.56	24.00	-4.44
Mid	5200	16.67	16.19	19.45	24.00	-4.55
High	5240	16.72	16.10	19.43	24.00	-4.57

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	5.018	4.35	8.38	11.00	-2.62
Mid	5200	5.128	4.34	8.43	11.00	-2.57
High	5240	5.366	3.97	8.40	11.00	-2.60

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 106-Tones, RU Index 53

0.34

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
	(MHz)	for Power (dBi)	(dBi)	(dBm)	(dBm/
	((ubi)	(ubi)	(abiii)	1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	15.55	15.18	18.38	24.00	-5.62
Mid	5200	15.65	15.15	18.42	24.00	-5.58
High	5240	15.75	15.36	18.57	24.00	-5.43

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	7.444	7.056	10.60	11.00	-0.40
Mid	5200	7.289	7.165	10.58	11.00	-0.42
High	5240	7.200	6.633	10.28	11.00	-0.72



MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE - 106-Tones, RU Index 54

0.34

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	15.70	15.01	18.38	24.00	-5.62
Mid	5200	15.55	15.06	18.32	24.00	-5.68
High	5240	15.70	15.00	18.37	24.00	-5.63

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	7.170	7.546	10.71	11.00	-0.29
Mid	5200	7.270	7.005	10.49	11.00	-0.51
High	5240	7.103	6.670	10.40	11.00	-0.60

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 37

0.17

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	11.78	11.32	14.57	24.00	-9.43
Mid	5200	11.80	11.34	14.59	24.00	-9.41
High	5240	11.78	11.32	14.57	24.00	-9.43

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	7.044	6.583	10.00	11.00	-1.00
Mid	5200	7.109	6.656	10.07	11.00	-0.93
High	5240	6.973	6.227	9.80	11.00	-1.20

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 38

0.17

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
	. ,	. ,	. ,		1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0 Meas	Chain 1 Meas	Total Corr'd	Power Limit	Power Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	11.78	11.32	14.57	24.00	-9.43
Mid	5200	11.81	11.35	14.60	24.00	-9.40
High	5240	11.81	11.35	14.60	24.00	-9.40

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	7.231	6.527	10.07	11.00	-0.93
Mid	5200	7.112	6.533	10.01	11.00	-0.99
High	5240	7.062	6.366	9.91	11.00	-1.09

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 52-Tones, RU Index 40

0.17

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0 Meas	Chain 1 Meas	Total Corr'd	Power Limit	Power Margin
		Power	Power	Power		Ū
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	11.8	11.34	14.59	24.00	-9.41
Mid	5200	11.82	11.36	14.61	24.00	-9.39
High	5240	11.83	11.37	14.62	24.00	-9.38

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	6.918	6.712	10.00	11.00	-1.00
Mid	5200	6.97	6.604	9.97	11.00	-1.03
High	5240	6.516	6.317	9.60	11.00	-1.40

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 0

0.10

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	9.91	9.50	12.72	24.00	-11.28
Mid	5200	9.93	9.50	12.73	24.00	-11.27
High	5240	9.92	9.50	12.73	24.00	-11.27

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	6.023	6.216	9.23	11.00	-1.77
Mid	5200	6.212	6.130	9.28	11.00	-1.72
High	5240	6.487	6.218	9.46	11.00	-1.54

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 4

0.10

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	10.26	9.80	13.05	24.00	-10.95
Mid	5200	10.27	9.81	13.06	24.00	-10.94
High	5240	10.25	9.79	13.04	24.00	-10.96

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	6.664	6.483	9.68	11.00	-1.32
Mid	5200	6.210	6.343	9.39	11.00	-1.61
High	5240	6.021	6.484	9.37	11.00	-1.63

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MID CHANNEL



HIGH CHANNEL



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2TX Antenna 1 + Antenna 2 OFDMA MODE – 26-Tones, RU Index 8

0.10

Antenna Gain and Limits

Channel	Frequency	Directional	Directional	Power	PSD
		Gain	Gain	Limit	Limit
		for Power	for PSD		
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/
					1MHz)
Low	5180	-2.00	1.00	24.00	11.00
Mid	5200	-2.00	1.00	24.00	11.00
High	5240	-2.00	1.00	24.00	11.00

Duty Cycle CF (dB)

Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	9.90	9.51	12.72	24.00	-11.28
Mid	5200	9.89	9.50	12.71	24.00	-11.29
High	5240	9.91	9.50	12.72	24.00	-11.28

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/	(dB)
					1MHz)	
Low	5180	6.401	6.882	9.76	11.00	-1.24
Mid	5200	6.991	6.214	9.73	11.00	-1.27
High	5240	6.670	6.645	9.77	11.00	-1.23



MID CHANNEL



HIGH CHANNEL



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8.5.6. 802.11ax HE40 MODE IN THE 5.2 GHz BAND

2TX Antenna 1 + Antenna 2 OFDMA MODE – 484-Tones, RU Index 65

Antenna Gain and Limits								
Channel	Frequency	Directional	Directional Directional Power					
		Gain Gain		Limit	Limit			
		for Power	for PSD					
	(MHz)	(dBi)	(dBi)	(dBm)	(dBm/			
					1MHz)			
Low	5190	-2.00	1.00	24.00	11.00			
High	5230	-2.00	1.00	24.00	11.00			

Duty Cycle CF (dB)	1.13	Included in Calculations of Corr'd PSD
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Output Power Results

Channel	Frequency	Chain 0	Chain 1	Total	Power	Power
		Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5190	15.86	15.42	18.66	24.00	-5.34
High	5230	15.85	15.39	18.64	24.00	-5.36

PSD Results

Channel	Frequency	Chain 0	Chain 1	Total	PSD	PSD
		Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD		
	(MHz)	(dBm/	(dBm/	(dBm/	(dBm/	(dB)
		1MHz)	1MHz)	1MHz)	1MHz)	
Low	5190	0.926	1.043	5.13	11.00	-5.87
High	5230	0.823	0.451	4.78	11.00	-6.22

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