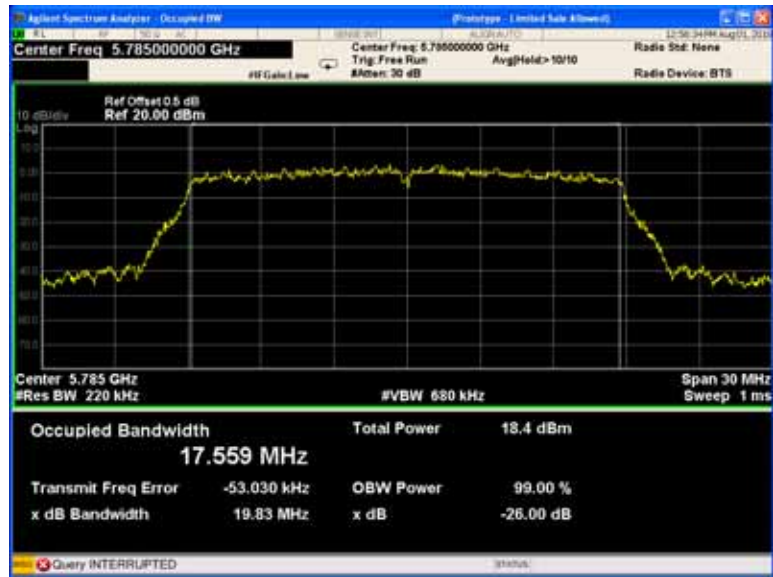


802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



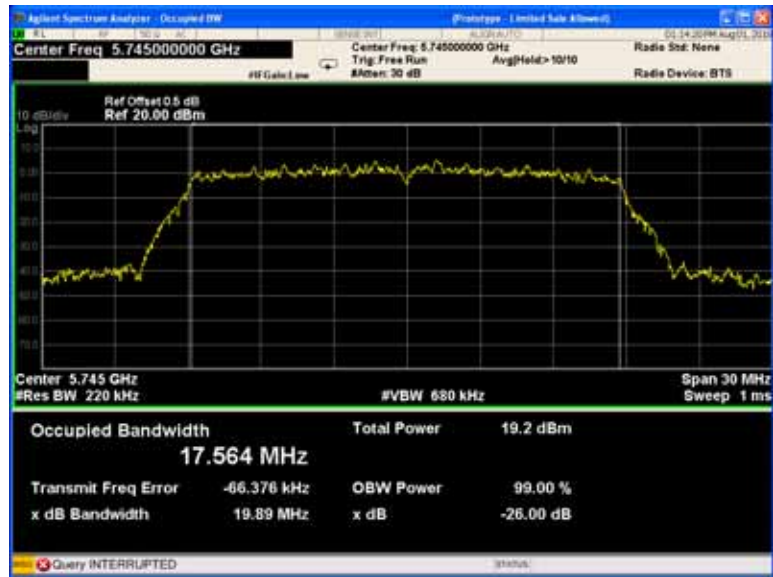
802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



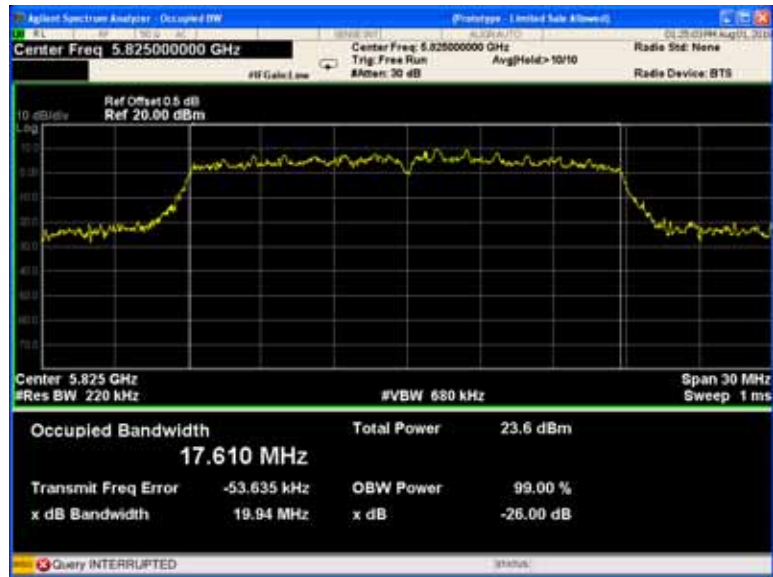
802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



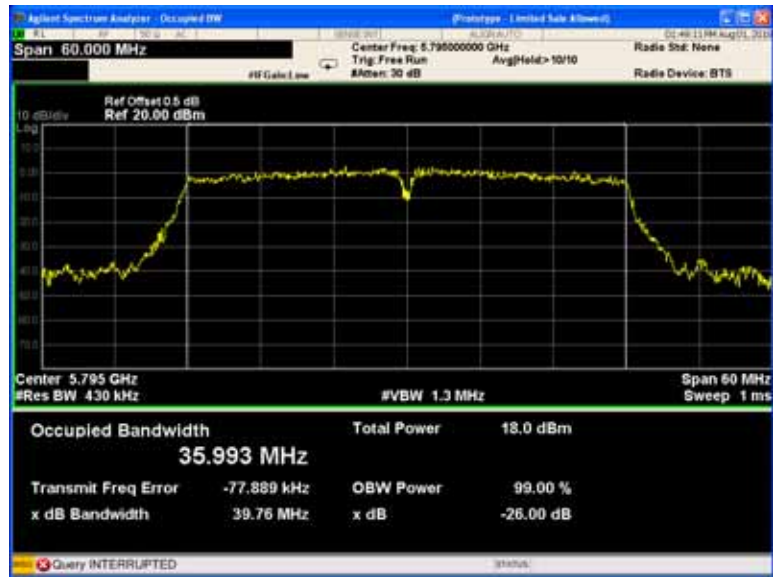
802.11ac(HT20) U-NII-3 High channel



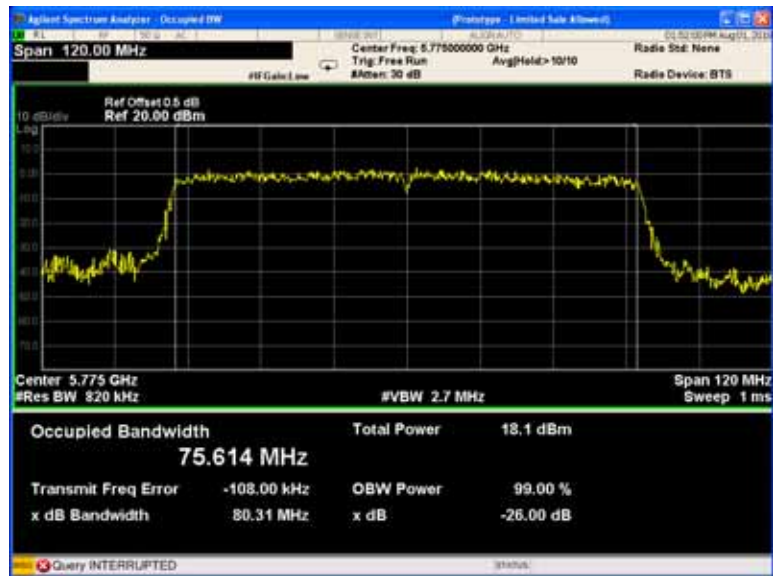
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel

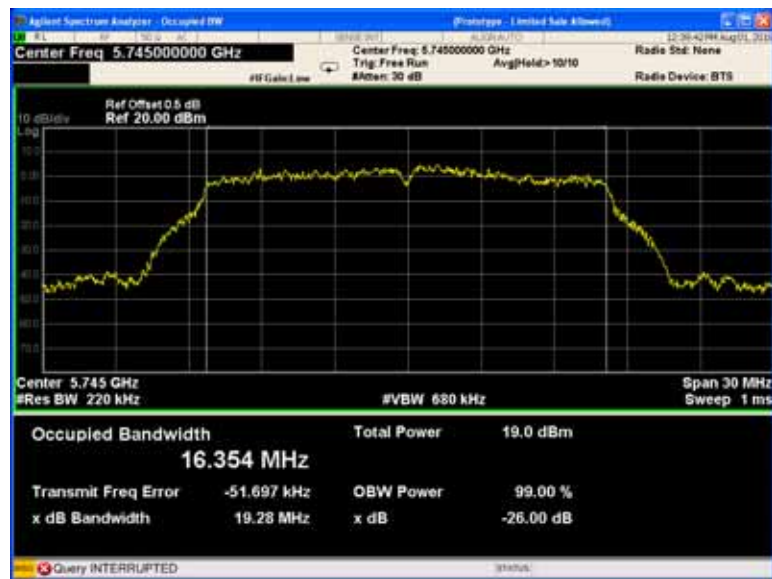


802.11ac(HT80) U-NII-3 Low channel

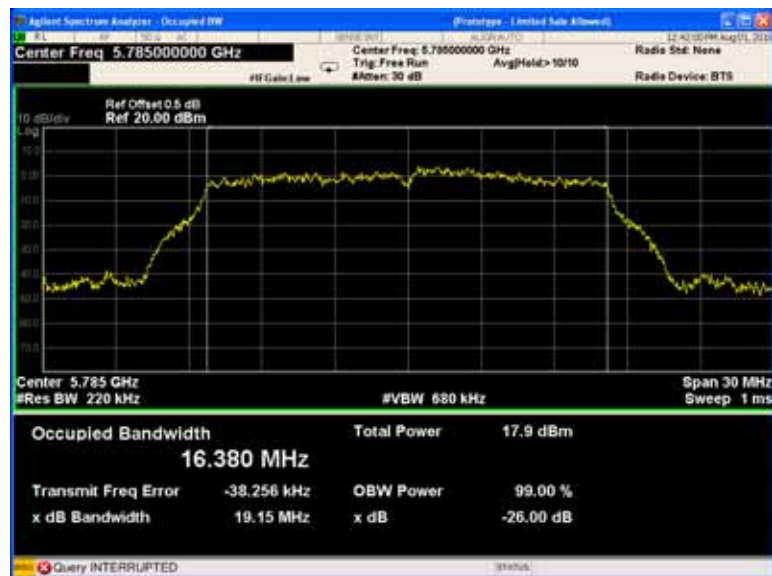


ANT6

802.11a U-NII-3 Low channel



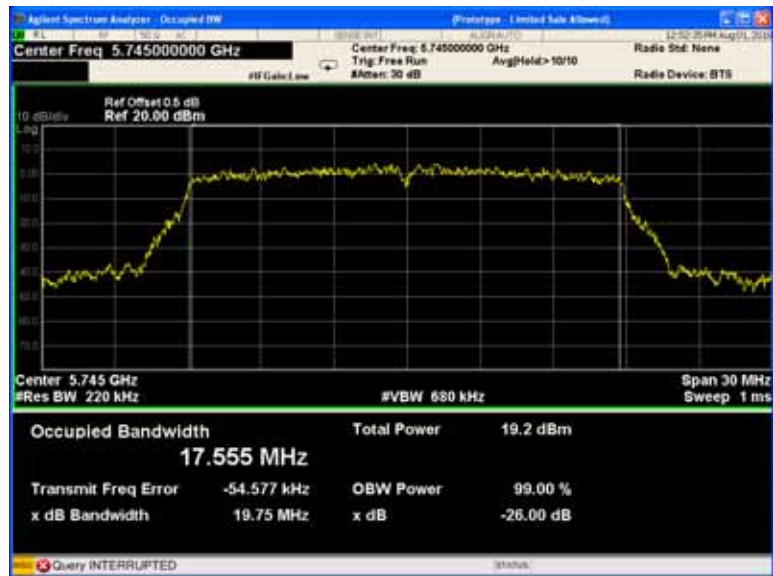
802.11a U-NII-3 Middle channel



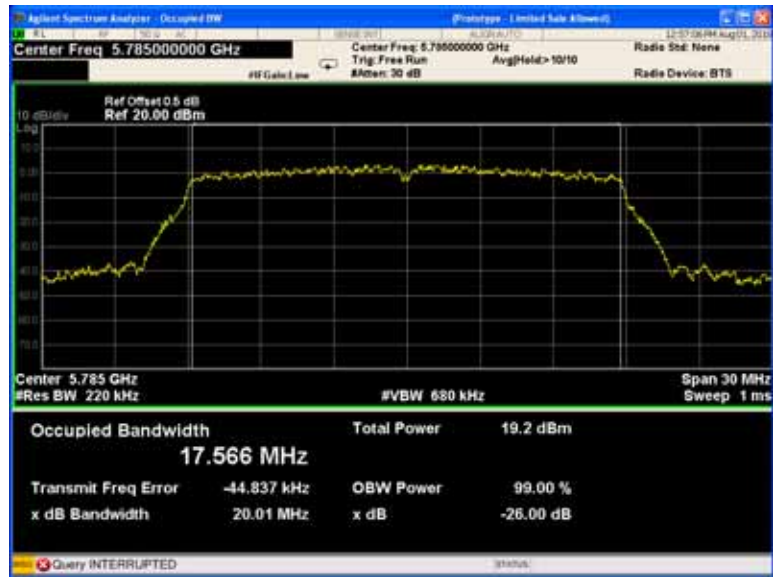
802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



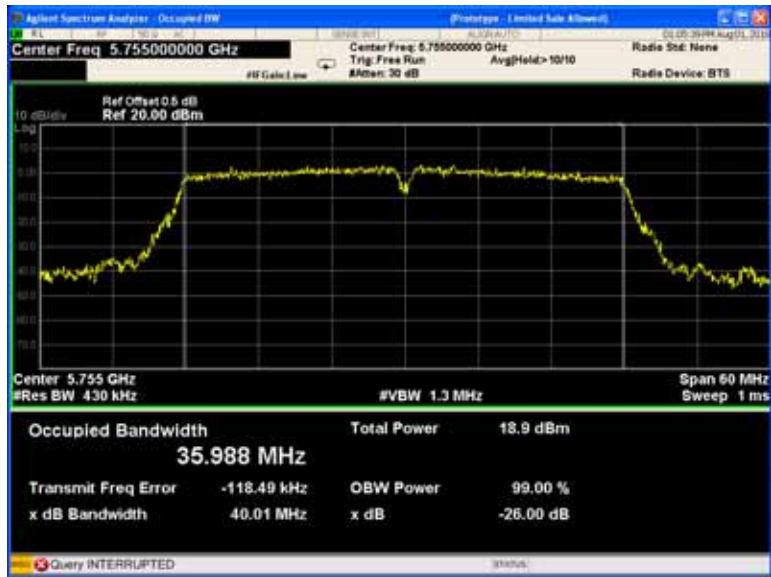
802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



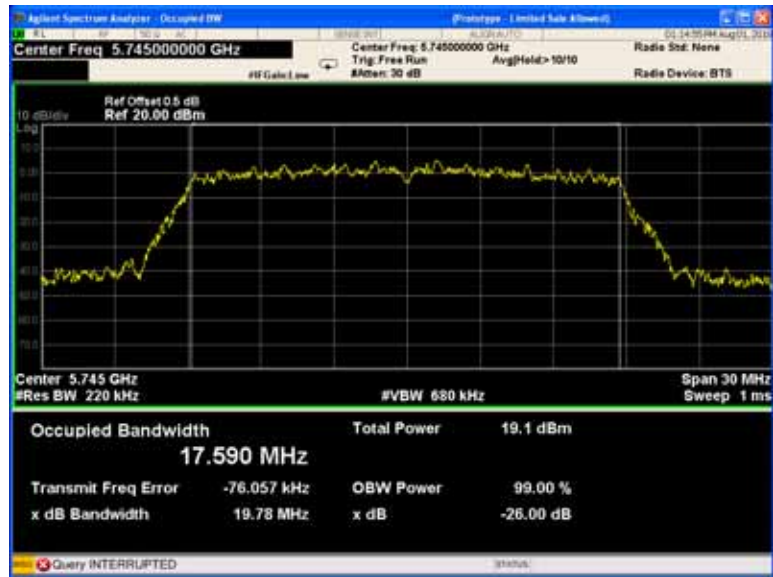
802.11n(HT40) U-NII-3 Low channel



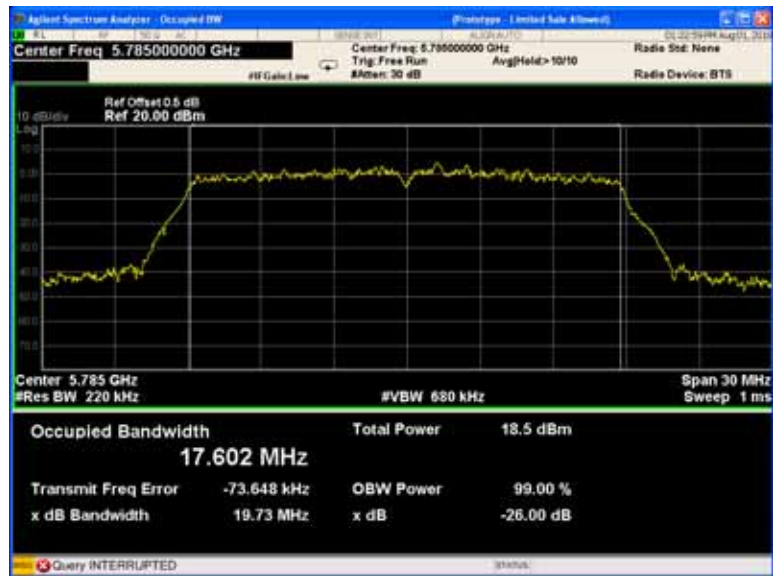
802.11n(HT40) U-NII-3 High channel



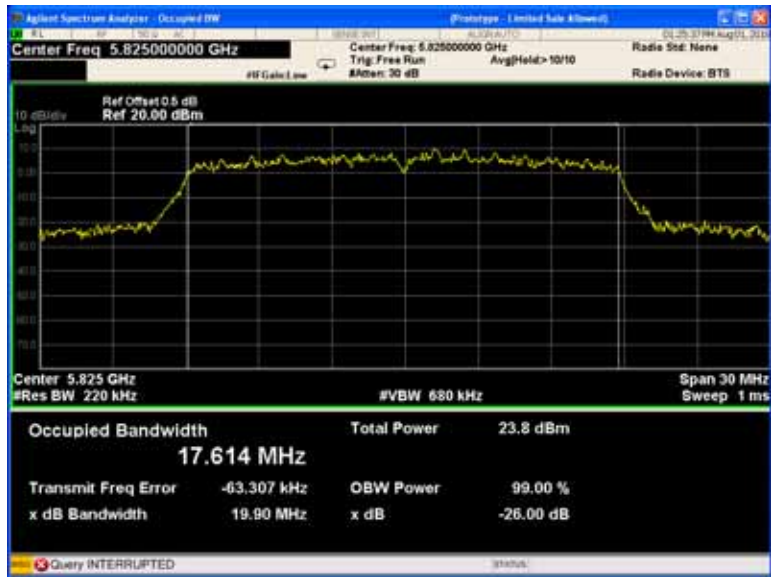
802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



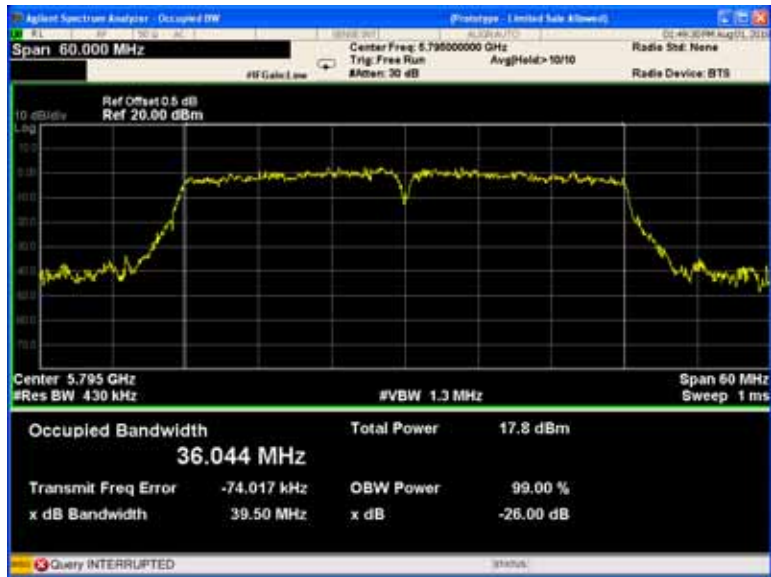
802.11ac(HT20) U-NII-3 High channel



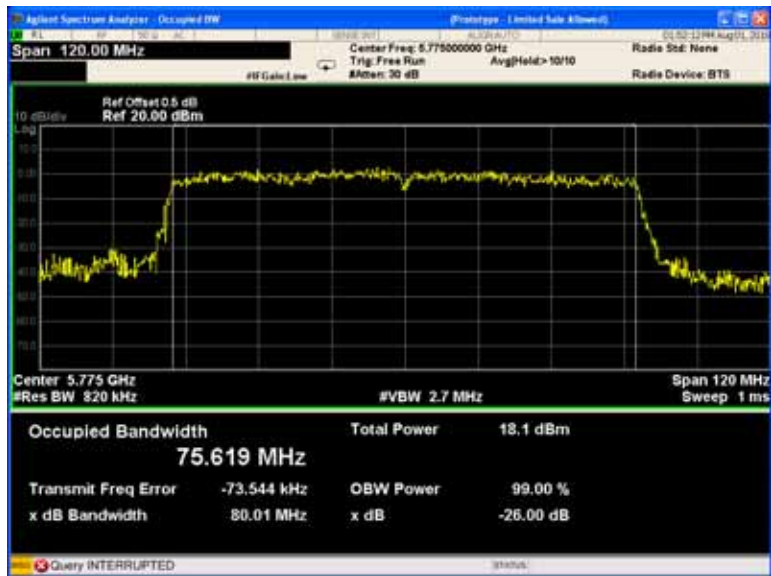
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel

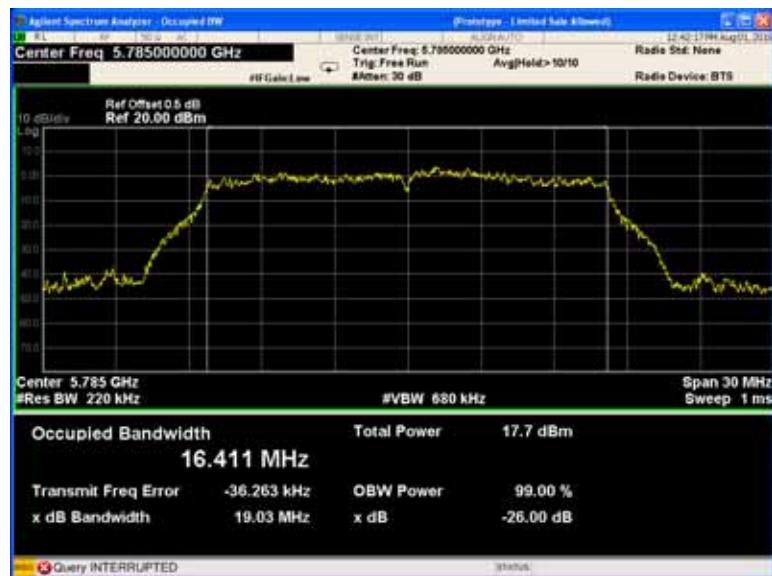


ANT8

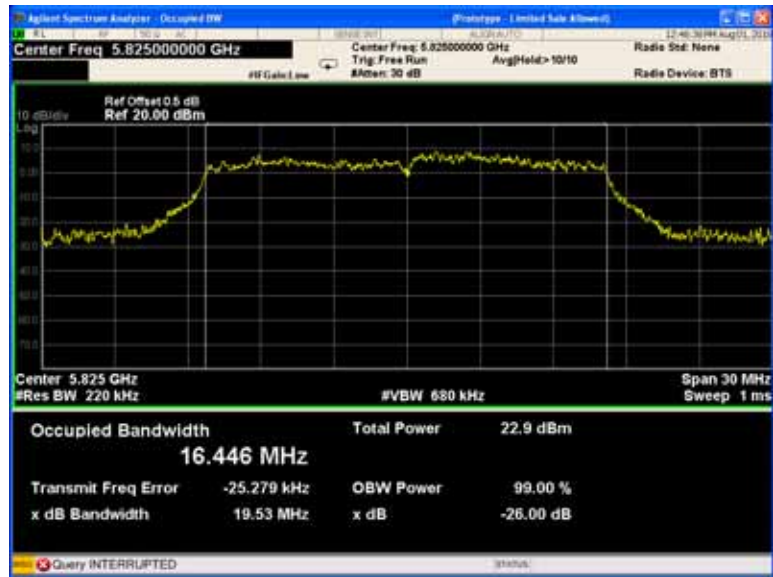
802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



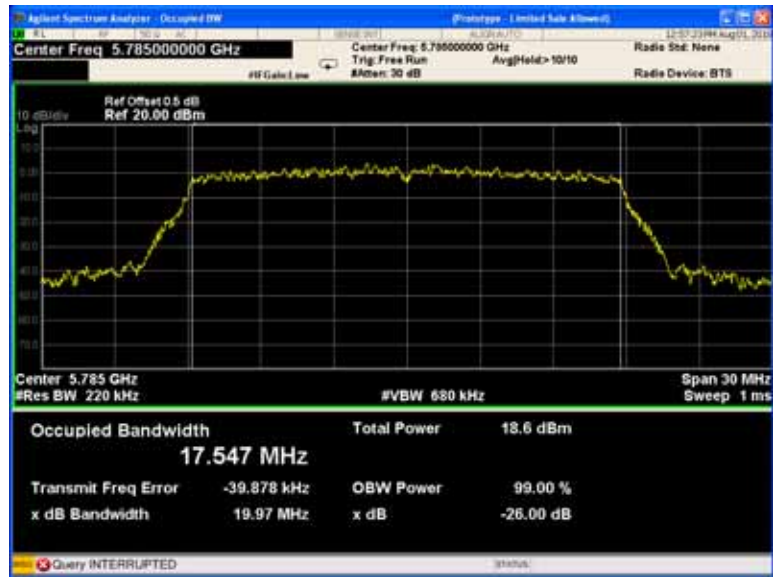
802.11a U-NII-3 High channel



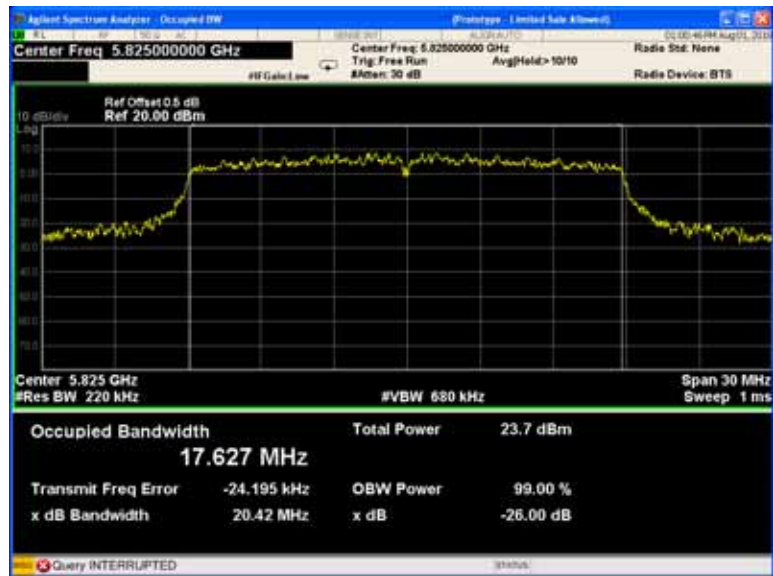
802.11n(HT20) U-NII-3 Low channel



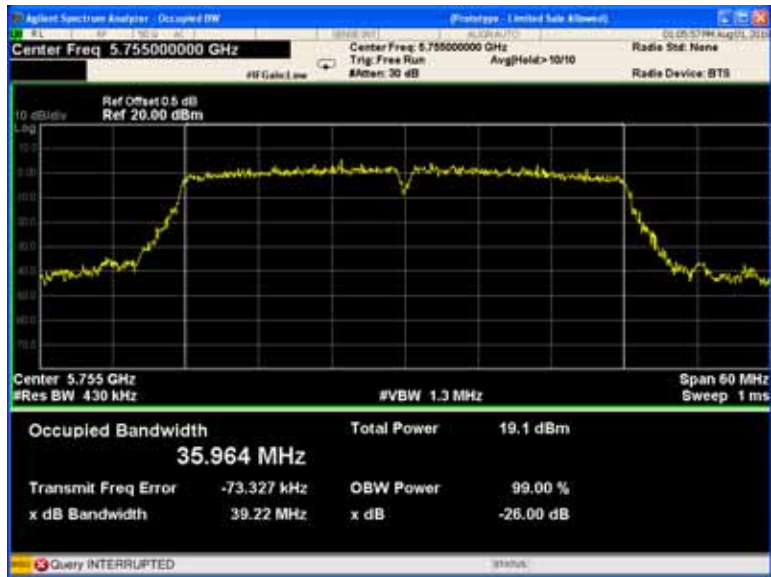
802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



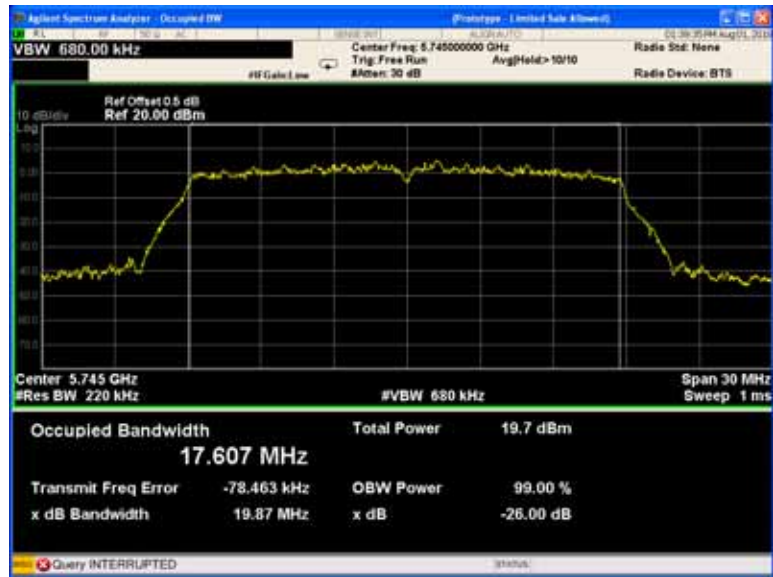
802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



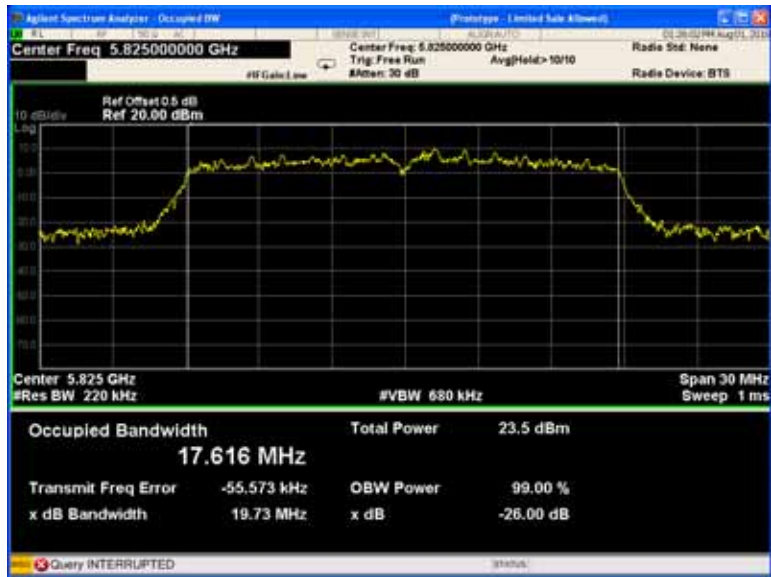
802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



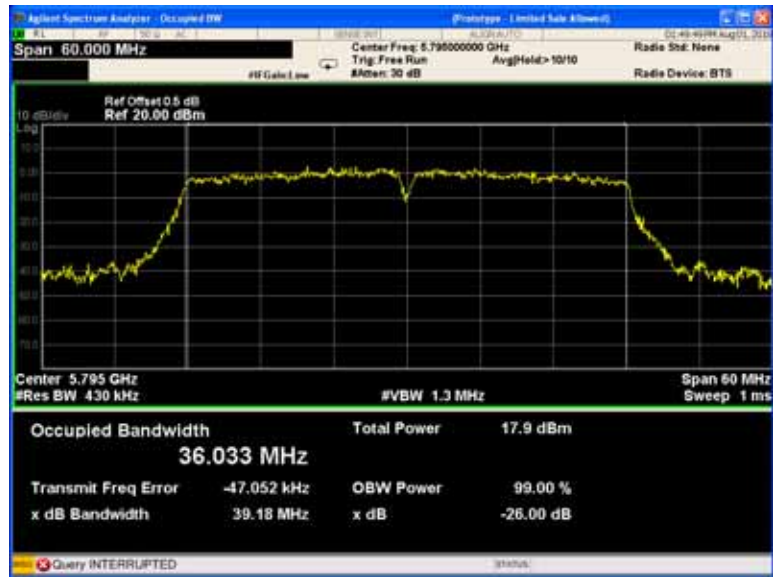
802.11ac(HT20) U-NII-3 High channel



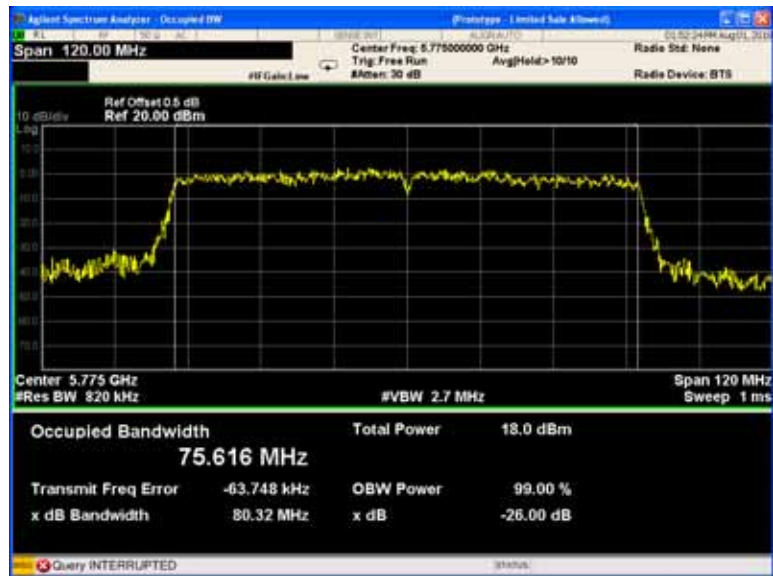
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



5. Conducted Output Power

5.1. Test Result :

Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT3
U-NII-1	802.11a	Low	13.25
		Middle	13.20
		High	13.00
	802.11n(HT20)	Low	12.29
		Middle	12.22
		High	13.55
	802.11n(HT40)	Low	12.15
		Middle	/
		High	13.57
	802.11ac(HT20)	Low	12.07
		Middle	12.91
		High	13.44
	802.11ac(HT40)	Low	12.03
		Middle	/
		High	13.68
	802.11ac(HT80)	Low	13.15
		Middle	/
		High	/
.Band	Operation mode	CH	Conducted Output Power (dBm)
U-NII-1	802.11a	Low	13.44
		Middle	13.07
		High	12.99
	802.11n(HT20)	Low	12.29
		Middle	12.22
		High	13.55
	802.11n(HT40)	Low	11.92
		Middle	/
		High	13.61
	802.11ac(HT20)	Low	11.91
		Middle	12.70
		High	13.76
	802.11ac(HT40)	Low	12.05
		Middle	/
		High	13.57
	802.11ac(HT80)	Low	13.09
		Middle	/

		High	/
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Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT5
U-NII-3	802.11a	Low	19.66
		Middle	19.26
		High	18.51
	802.11n(HT20)	Low	19.70
		Middle	19.81
		High	19.39
	802.11n(HT40)	Low	19.73
		Middle	/
		High	19.46
	802.11ac(HT20)	Low	19.73
		Middle	19.34
		High	19.01
	802.11ac(HT40)	Low	19.79
		Middle	/
		High	19.25
802.11ac(HT80)	Low	19.34	
	Middle	/	
	High	/	
Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT6
U-NII-3	802.11a	Low	19.47
		Middle	19.17
		High	18.34
	802.11n(HT20)	Low	19.18
		Middle	19.66
		High	19.15
	802.11n(HT40)	Low	19.67
		Middle	/
		High	19.51
	802.11ac(HT20)	Low	19.53
		Middle	19.25
		High	18.95
	802.11ac(HT40)	Low	19.72
		Middle	/
		High	19.14
802.11ac(HT80)	Low	19.12	
	Middle	/	
	High	/	

Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT7
U-NII-3	802.11a	Low	19.44
		Middle	19.23
		High	18.08
	802.11n(HT20)	Low	19.38
		Middle	19.69
		High	19.21
	802.11n(HT40)	Low	19.66
		Middle	/
		High	19.27
	802.11ac(HT20)	Low	19.57
		Middle	19.25
		High	19.00
	802.11ac(HT40)	Low	19.62
		Middle	/
		High	19.31
802.11ac(HT80)	Low	19.14	
	Middle	/	
	High	/	
Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT8
U-NII-3	802.11a	Low	19.58
		Middle	19.42
		High	18.20
	802.11n(HT20)	Low	19.69
		Middle	19.47
		High	19.32
	802.11n(HT40)	Low	19.60
		Middle	/
		High	19.44
	802.11ac(HT20)	Low	19.65
		Middle	19.12
		High	19.13
	802.11ac(HT40)	Low	19.51
		Middle	/
		High	19.25
802.11ac(HT80)	Low	19.13	
	Middle	/	
	High	/	

Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT3+ANT4
U-NII-1	802.11a	Low	16.36
		Middle	16.15
		High	16.01
	802.11n(HT20)	Low	15.30
		Middle	15.23
		High	16.56
	802.11n(HT40)	Low	15.05
		Middle	/
		High	16.60
	802.11ac(HT20)	Low	15.00
		Middle	15.82
		High	16.61
	802.11ac(HT40)	Low	15.05
		Middle	/
		High	16.64
802.11ac(HT80)	Low	16.13	
	Middle	/	
	High	/	
Band	Operation mode	CH	Conducted Output Power (dBm)
			ANT5+ANT6+ANT7+ANT8
U-NII-3	802.11a	Low	25.56
		Middle	25.29
		High	24.31
	802.11n(HT20)	Low	25.51
		Middle	25.68
		High	25.29
	802.11n(HT40)	Low	25.69
		Middle	/
		High	25.44
	802.11ac(HT20)	Low	25.64
		Middle	25.26
		High	25.04
	802.11ac(HT40)	Low	25.68
		Middle	/
		High	25.26
802.11ac(HT80)	Low	25.20	
	Middle	/	
	High	/	

Test result plots shown as follows:

ANT3

802.11a U-NII-1 Low channel



802.11a U-NII-1 Middle channel



802.11a U-NII-1 High channel



802.11n(HT20) U-NII-1 Low channel



802.11n(HT20) U-NII-1 Middle channel



802.11n(HT20) U-NII-1 High channel



802.11n(HT40) U-NII-1 Low channel



802.11n(HT40) U-NII-1 High channel



802.11ac(HT20) U-NII-1 Low channel



802.11ac(HT20) U-NII-1 Middle channel



802.11ac(HT20) U-NII-1 High channel



802.11ac(HT40) U-NII-1 Low channel



802.11ac(HT40) U-NII-1 High channel



802.11ac(HT80) U-NII-1 Low channel



ANT4

802.11a U-NII-1 Low channel



802.11a U-NII-1 Middle channel



802.11a U-NII-1 High channel



802.11n(HT20) U-NII-1 Low channel



802.11n(HT20) U-NII-1 Middle channel



802.11n(HT20) U-NII-1 High channel



802.11n(HT40) U-NII-1 Low channel



802.11n(HT40) U-NII-1 High channel



802.11ac(HT20) U-NII-1 Low channel



802.11ac(HT20) U-NII-1 Middle channel



802.11ac(HT20) U-NII-1 High channel



802.11ac(HT40) U-NII-1 Low channel



802.11ac(HT40) U-NII-1 High channel



802.11ac(HT80) U-NII-1 Low channel

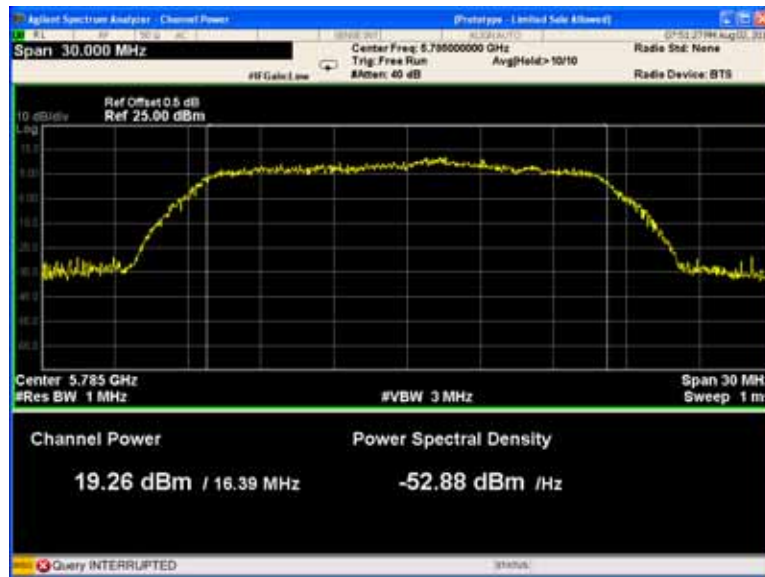


ANT5

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



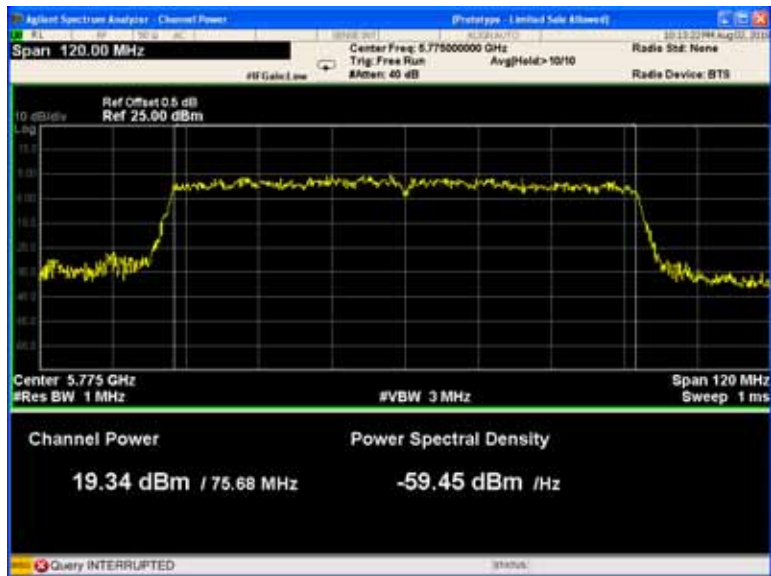
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



ANT6

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



ANT7

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



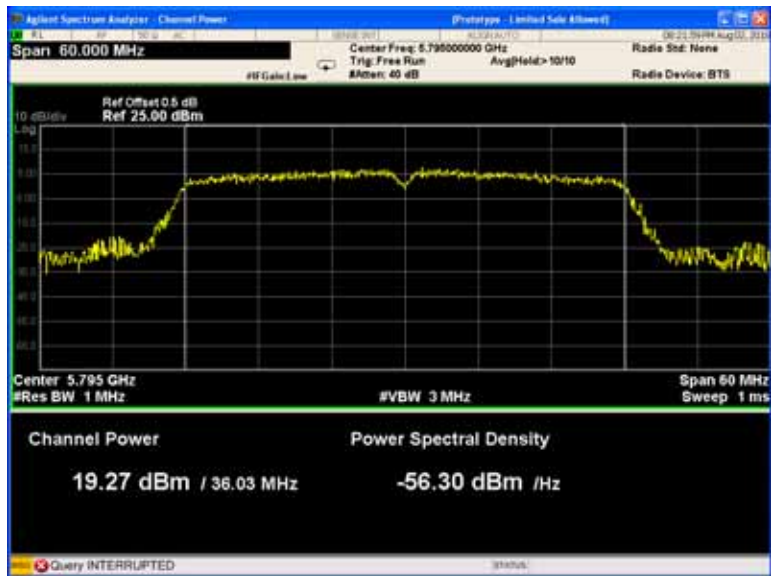
802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



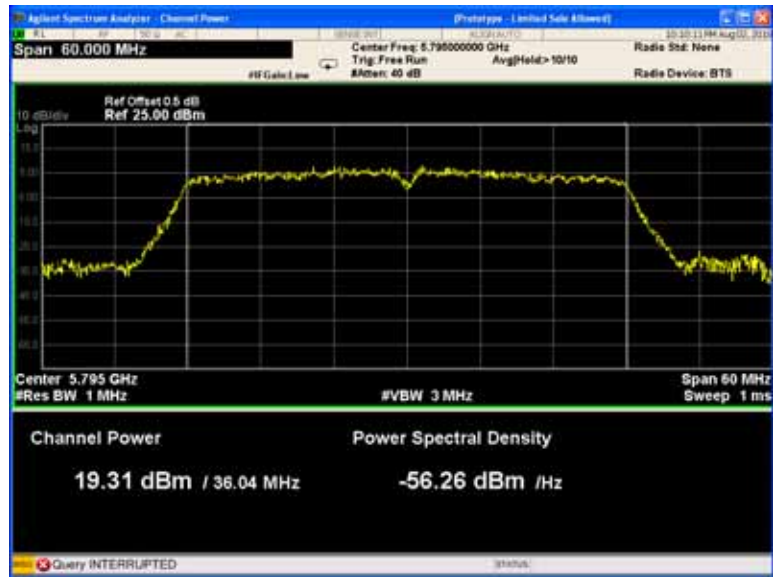
802.11ac(HT20) U-NII-3 High channel



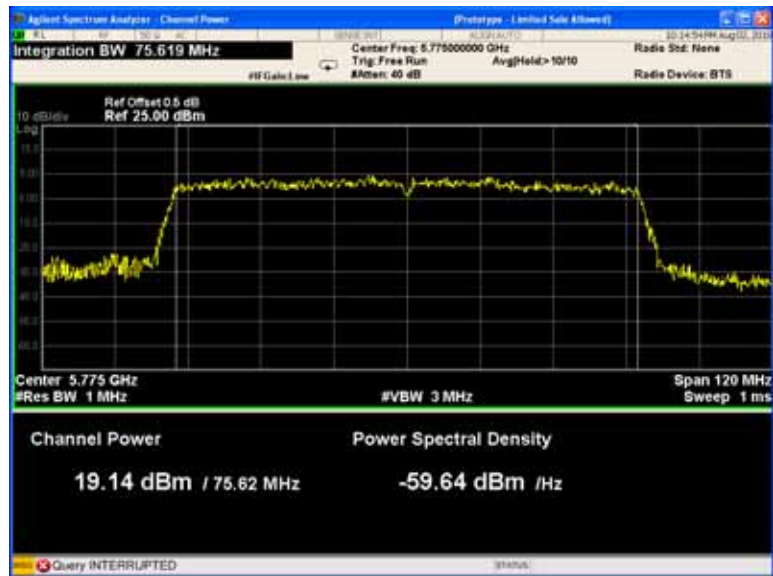
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



ANT8

802.11a U-NII-3 Low channel



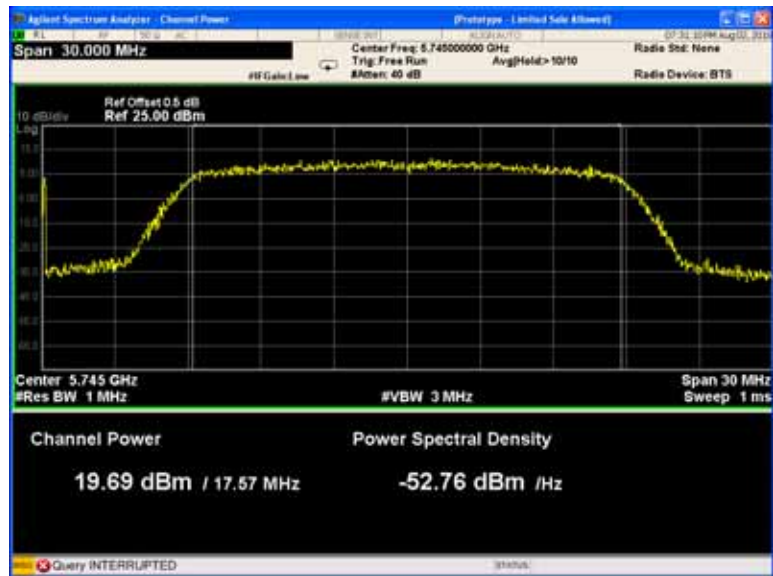
802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



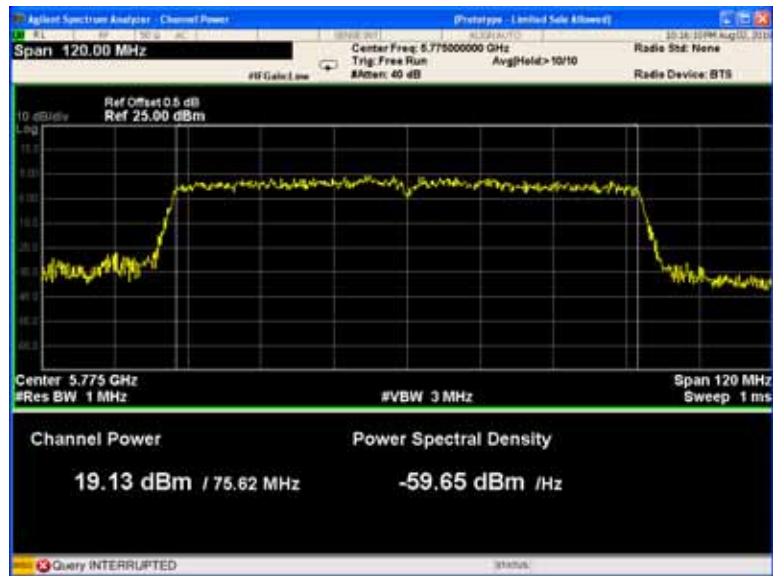
802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



6. Power Spectral density

6.1. Test Result:

Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT3
U-NII-1	802.11a	Low	5.245
		Middle	5.257
		High	5.540
	802.11n(HT20)	Low	5.468
		Middle	6.363
		High	6.003
	802.11n(HT40)	Low	0.264
		Middle	/
		High	2.433
	802.11ac(HT20)	Low	4.794
		Middle	4.591
		High	5.076
	802.11ac(HT40)	Low	0.240
		Middle	/
		High	2.244
802.11ac(HT80)	Low	-0.777	
	Middle	/	
	High	/	
Limit	≤11.00dBm/MHz		
Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
U-NII-1	802.11a	Low	5.059
		Middle	4.805
		High	5.597
	802.11n(HT20)	Low	3.994
		Middle	4.341
		High	5.405
	802.11n(HT40)	Low	0.439
		Middle	/
		High	2.202
	802.11ac(HT20)	Low	5.390
		Middle	5.246
		High	4.641
	802.11ac(HT40)	Low	0.373
		Middle	/
		High	2.298
802.11ac(HT80)	Low	0.015	

		Middle	/
		High	/
	Limit	$\leq 11.00\text{dBm/MHz}$	

Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT5
U-NII-3	802.11a	Low	9.397
		Middle	8.541
		High	9.463
	802.11n(HT20)	Low	9.083
		Middle	7.926
		High	8.032
	802.11n(HT40)	Low	4.830
		Middle	/
		High	5.505
	802.11ac(HT20)	Low	8.985
		Middle	6.906
		High	7.283
	802.11ac(HT40)	Low	5.919
		Middle	/
		High	4.950
802.11ac(HT80)	Low	1.781	
	Middle	/	
	High	/	
Limit	≤30.00dBm/500KHz		
Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT6
U-NII-3	802.11a	Low	9.791
		Middle	8.906
		High	9.413
	802.11n(HT20)	Low	8.971
		Middle	7.696
		High	8.677
	802.11n(HT40)	Low	5.921
		Middle	/
		High	5.227
	802.11ac(HT20)	Low	8.711
		Middle	8.195
		High	7.312
	802.11ac(HT40)	Low	5.198
		Middle	/
		High	5.315
802.11ac(HT80)	Low	1.748	
	Middle	/	
	High	/	
Limit	≤30.00dBm/500KHz		

Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT7
U-NII-3	802.11a	Low	9.783
		Middle	8.876
		High	9.227
	802.11n(HT20)	Low	9.233
		Middle	7.484
		High	8.758
	802.11n(HT40)	Low	6.092
		Middle	/
		High	4.890
	802.11ac(HT20)	Low	8.616
		Middle	7.022
		High	9.152
	802.11ac(HT40)	Low	5.186
		Middle	/
		High	5.886
802.11ac(HT80)	Low	0.867	
	Middle	/	
	High	/	
Limit	≤30.00dBm/500KHz		
Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT8
U-NII-3	802.11a	Low	9.758
		Middle	8.932
		High	9.015
	802.11n(HT20)	Low	9.073
		Middle	7.593
		High	8.569
	802.11n(HT40)	Low	5.698
		Middle	/
		High	5.201
	802.11ac(HT20)	Low	8.410
		Middle	8.686
		High	7.629
	802.11ac(HT40)	Low	5.804
		Middle	/
		High	5.962
802.11ac(HT80)	Low	0.653	
	Middle	/	
	High	/	
Limit	≤30.00dBm/500KHz		

Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT3+ANT4
U-NII-1	802.11a	Low	8.16
		Middle	8.05
		High	8.58
	802.11n(HT20)	Low	7.80
		Middle	8.48
		High	8.72
	802.11n(HT40)	Low	3.36
		Middle	/
		High	5.33
	802.11ac(HT20)	Low	8.11
		Middle	7.94
		High	7.87
	802.11ac(HT40)	Low	3.32
		Middle	/
		High	5.28
802.11ac(HT80)	Low	2.65	
	Middle	/	
	High	/	
Limit	≤11.00dBm/MHz		
Band	Operation mode	CH	Power Spectral Density (dBm/MHz)
			ANT5+ANT6+ANT7+ANT8
Limit	≤11.00dBm/MHz		
U-NII-3	802.11a	Low	15.71
		Middle	14.84
		High	15.30
	802.11n(HT20)	Low	15.11
		Middle	13.70
		High	14.54
	802.11n(HT40)	Low	11.68
		Middle	/
		High	11.23
	802.11ac(HT20)	Low	14.71
		Middle	13.79
		High	13.94
	802.11ac(HT40)	Low	11.56
		Middle	/
		High	11.57

	802.11ac(HT80)	Low	7.31
		Middle	/
		High	/
	Limit	≤30.00dBm/500KHz	

Test result plots shown as follows:

ANT3

802.11a U-NII-1 Low channel



802.11a U-NII-1 Middle channel



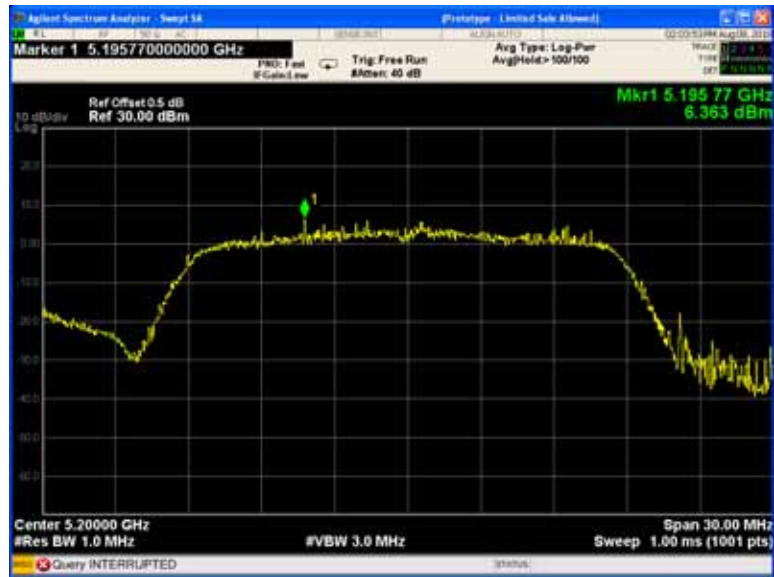
802.11a U-NII-1 High channel



802.11n(HT20) U-NII-1 Low channel



802.11n(HT20) U-NII-1 Middle channel



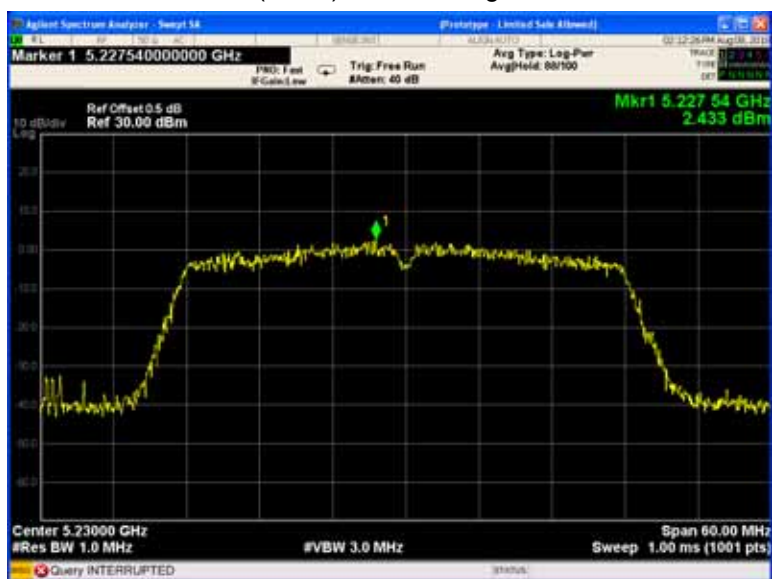
802.11n(HT20) U-NII-1 High channel



802.11n(HT40) U-NII-1 Low channel



802.11n(HT40) U-NII-1 High channel



802.11ac(HT20) U-NII-1 Low channel



802.11ac(HT20) U-NII-1 Middle channel



802.11ac(HT20) U-NII-1 High channel



802.11ac(HT40) U-NII-1 Low channel



802.11ac(HT40) U-NII-1 High channel

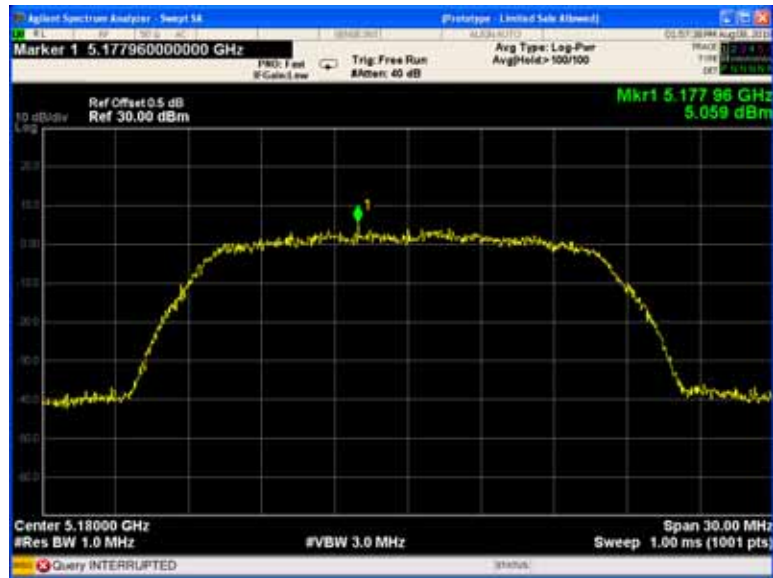


802.11ac(HT80) U-NII-1 Low channel



ANT4

802.11a U-NII-1 Low channel



802.11a U-NII-1 Middle channel



802.11a U-NII-1 High channel



802.11n(HT20) U-NII-1 Low channel



802.11n(HT20) U-NII-1 Middle channel



802.11n(HT20) U-NII-1 High channel



802.11n(HT40) U-NII-1 Low channel



802.11n(HT40) U-NII-1 High channel



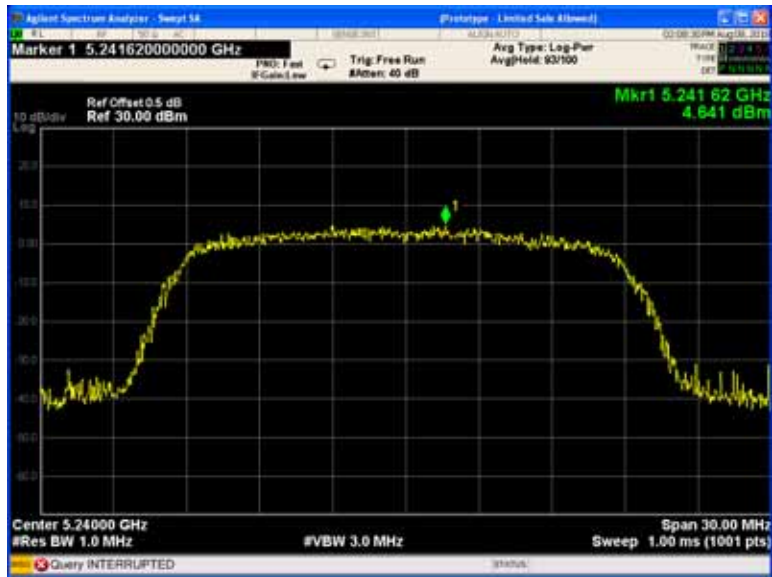
802.11ac(HT20) U-NII-1 Low channel



802.11ac(HT20) U-NII-1 Middle channel



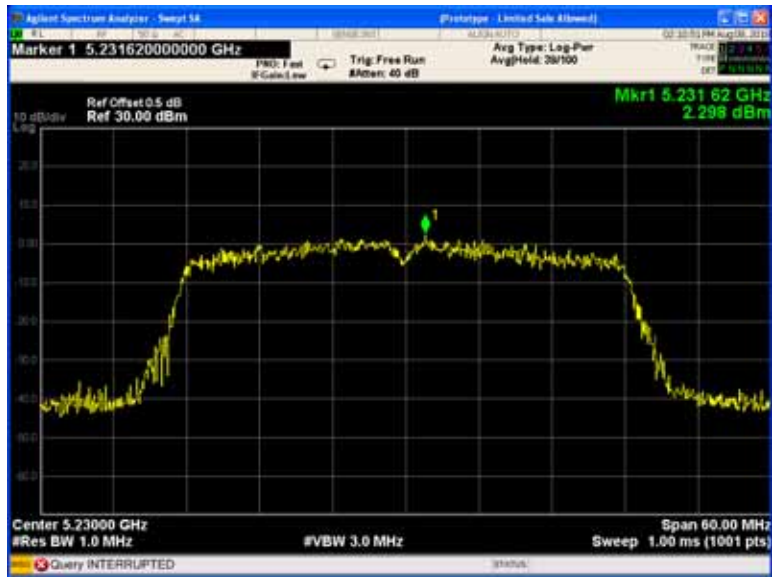
802.11ac(HT20) U-NII-1 High channel



802.11ac(HT40) U-NII-1 Low channel



802.11ac(HT40) U-NII-1 High channel



802.11ac(HT80) U-NII-1 Low channel



ANT5

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



ANT6

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



ANT7

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



ANT8

802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



802.11a U-NII-3 High channel



802.11n(HT20) U-NII-3 Low channel



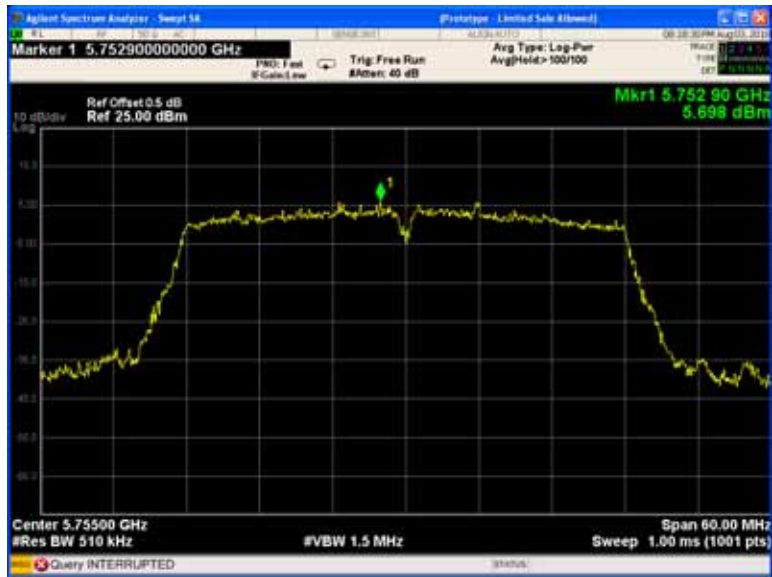
802.11n(HT20) U-NII-3 Middle channel



802.11n(HT20) U-NII-3 High channel



802.11n(HT40) U-NII-3 Low channel



802.11n(HT40) U-NII-3 High channel



802.11ac(HT20) U-NII-3 Low channel



802.11ac(HT20) U-NII-3 Middle channel



802.11ac(HT20) U-NII-3 High channel



802.11ac(HT40) U-NII-3 Low channel



802.11ac(HT40) U-NII-3 High channel



802.11ac(HT80) U-NII-3 Low channel



END