

Annex B-Test Data

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 - 5.1. Test Result : 130
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 - 6.1. Test Result: 177

1. Duty cycle

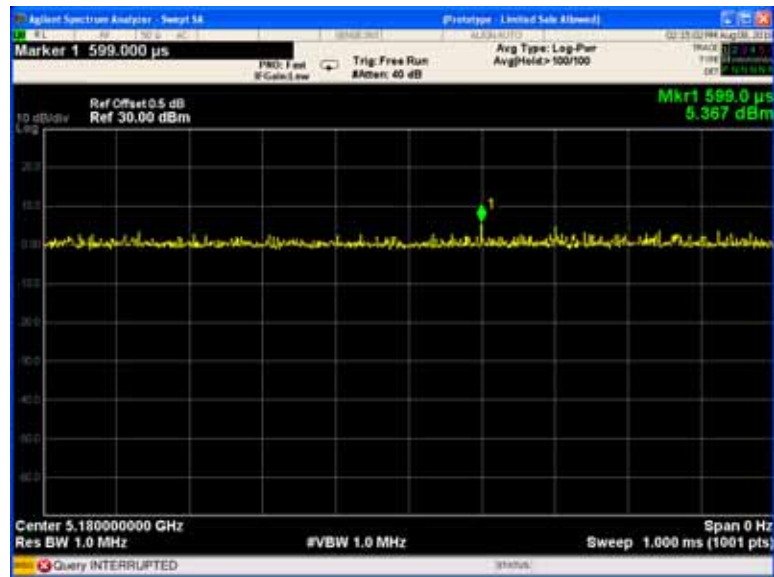
1.1. Summary of Test Results

802.11a mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
36	100	100	100
149	100	100	100
802.11n(HT20) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
36	100	100	100
149	100	100	100
802.11n(HT40) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
38	100	100	100
151	100	100	100
802.11ac(HT20) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
36	100	100	100
149	100	100	100
802.11ac(HT40) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
38	100	100	100
151	100	100	100
802.11ac(HT80) mode			
channel	On time(ms)	Period(ms)	Duty Cycle(%)
42	100	100	100
155	100	100	100

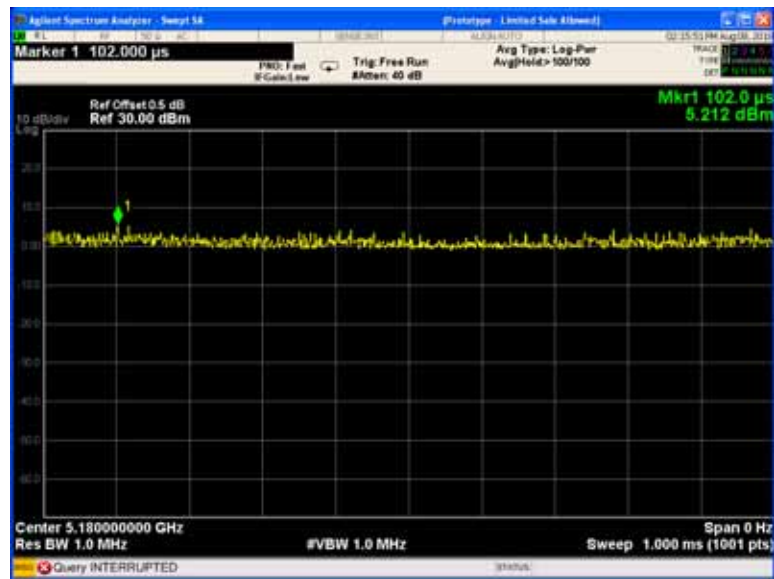
Test result plots shown as follows:

ANT3

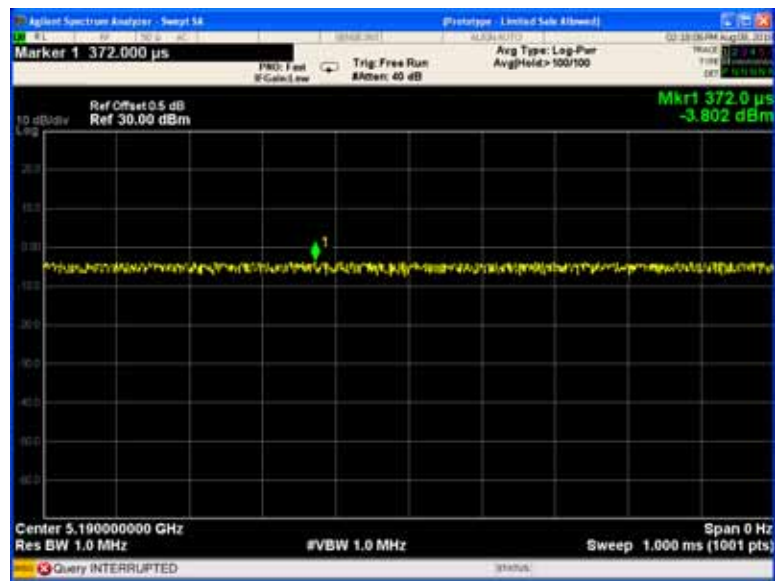
802.11a U-NII-1 Low channel



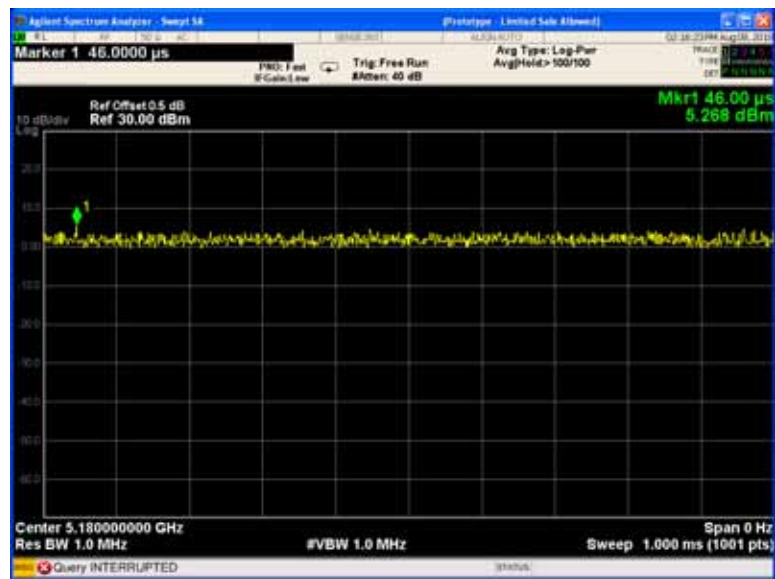
802.11n(HT20) U-NII-1 Low channel



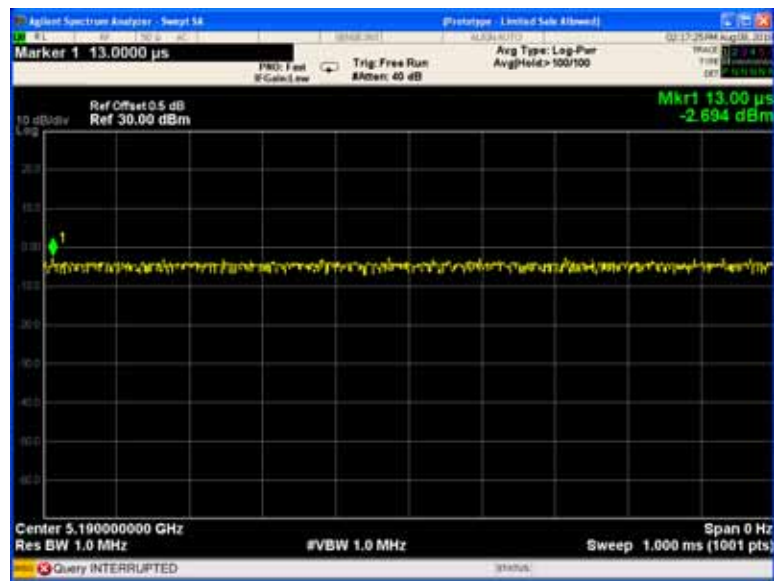
802.11n(HT40) U-NII-1 Low channel



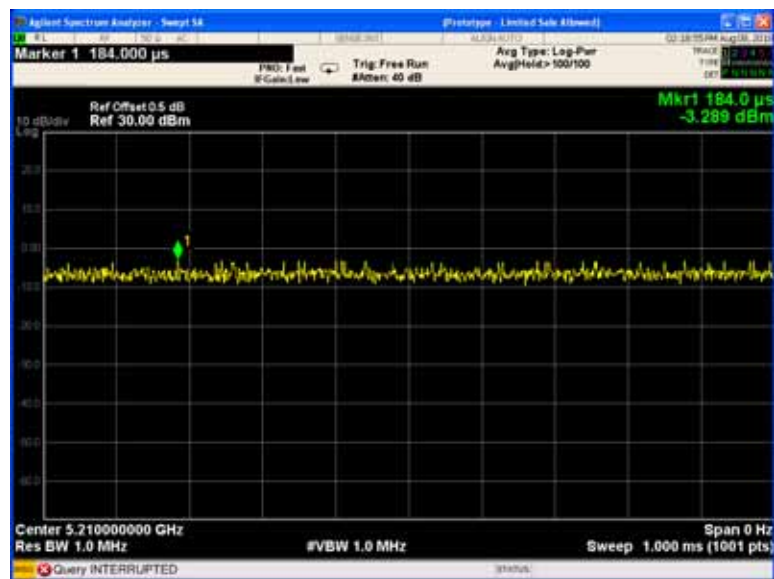
802.11ac(HT20) U-NII-1 Low channel



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

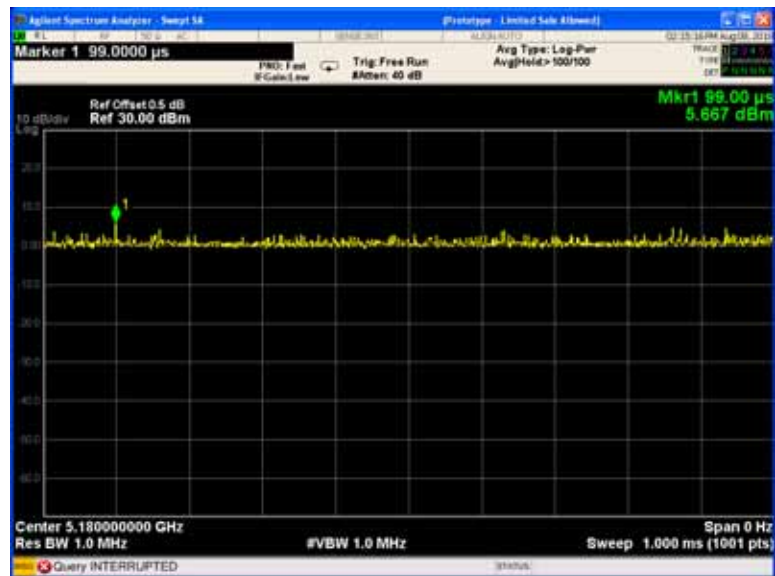


802.11ac(HT80) U-NII-1 Low channel

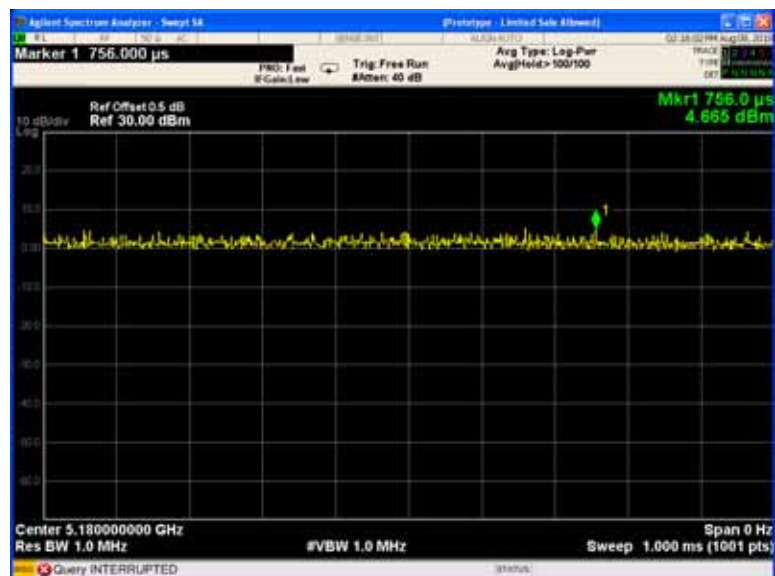


ANT4

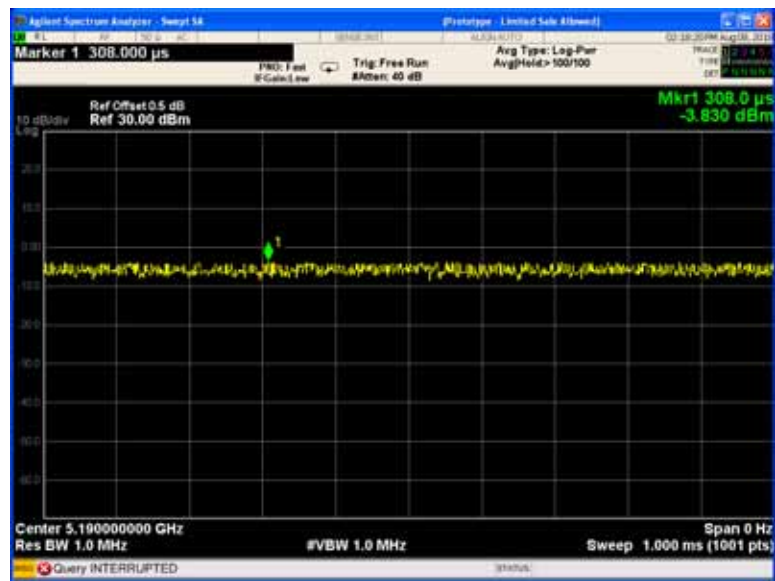
802.11a U-NII-1 Low channel



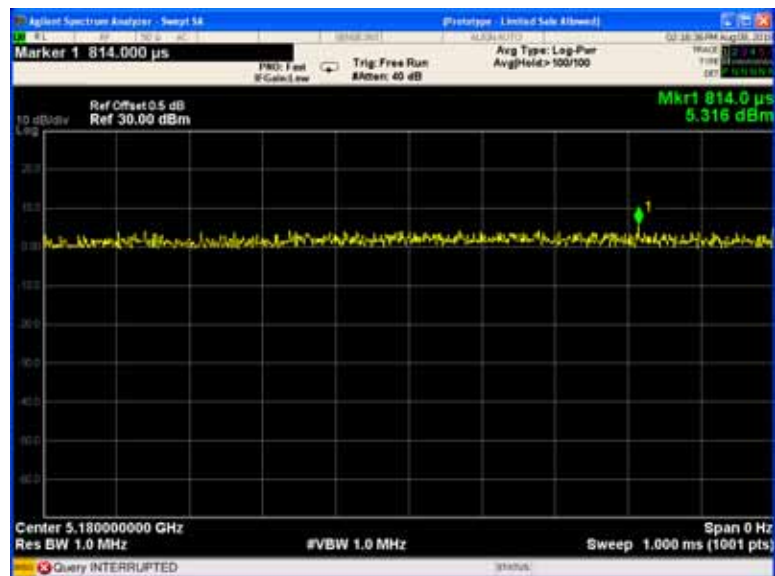
802.11n(HT20) U-NII-1 Low channel



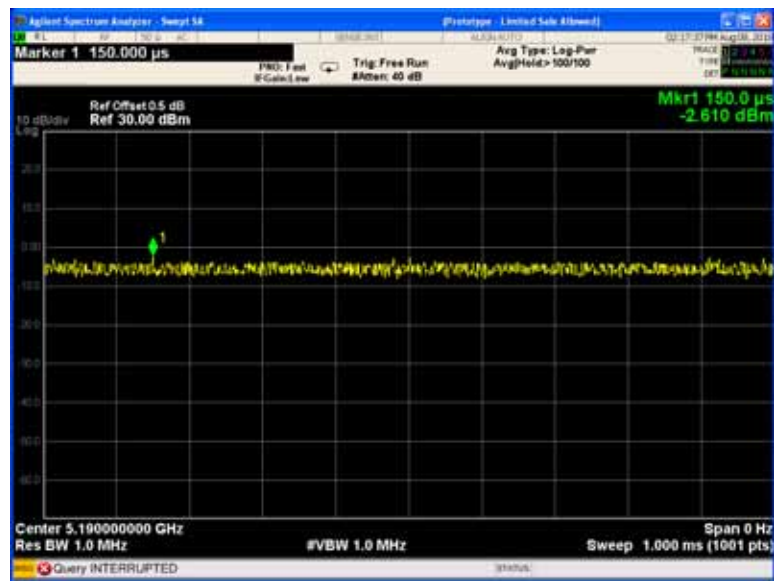
802.11n(HT40) U-NII-1 Low channel



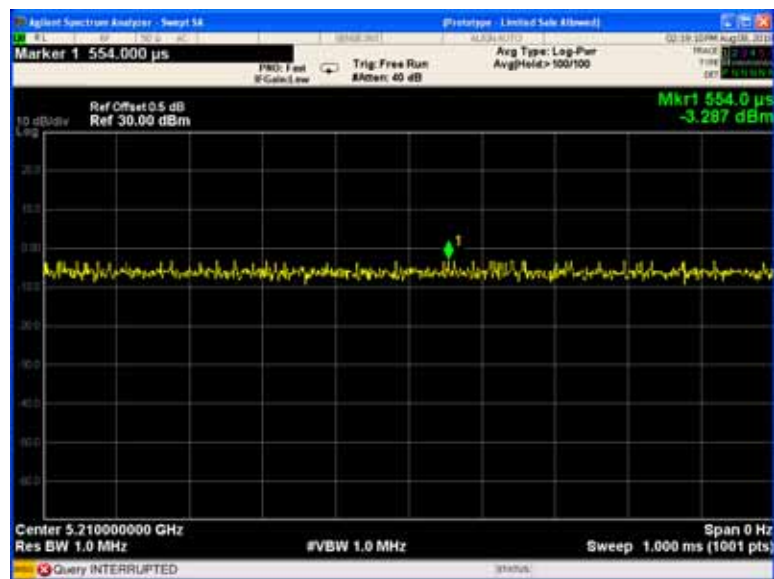
802.11ac(HT20) U-NII-1 Low channel



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

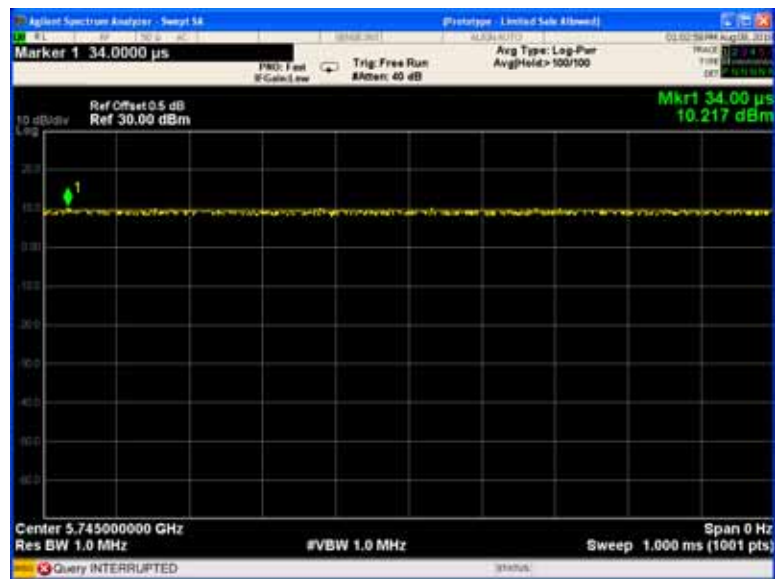


802.11ac(HT80) U-NII-1 Low channel



ANT5

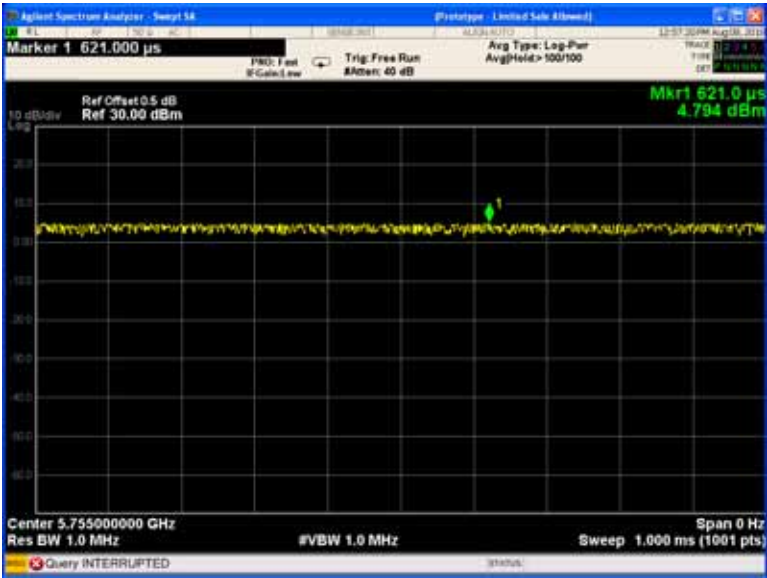
802.11a U-NII-3 Low channel



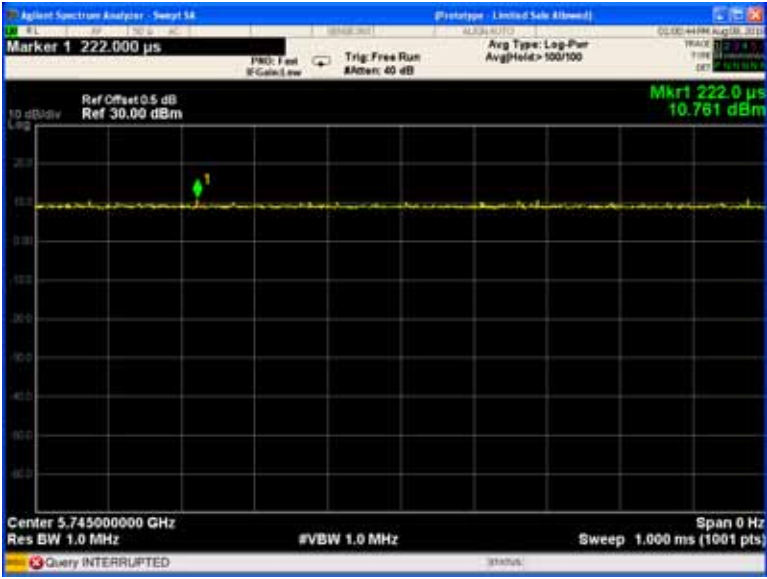
802.11n(HT20) U-NII-3 Low channel



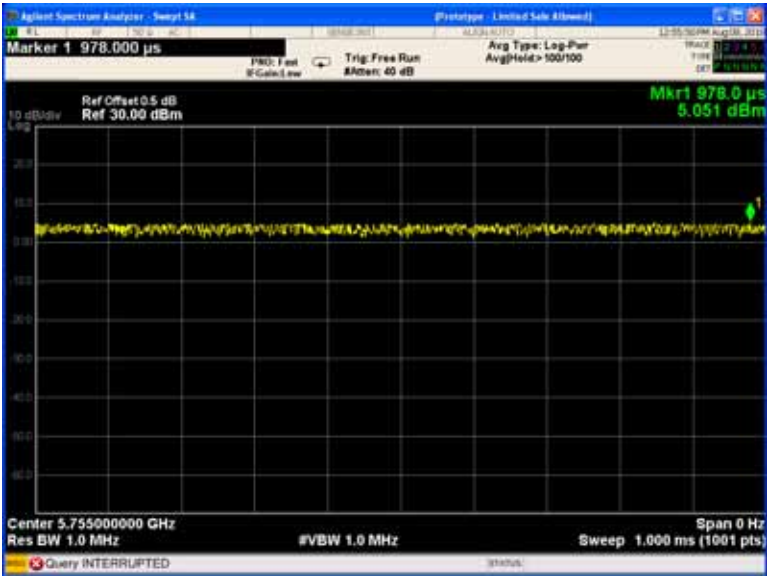
802.11n(HT40) U-NII-3 Low channel



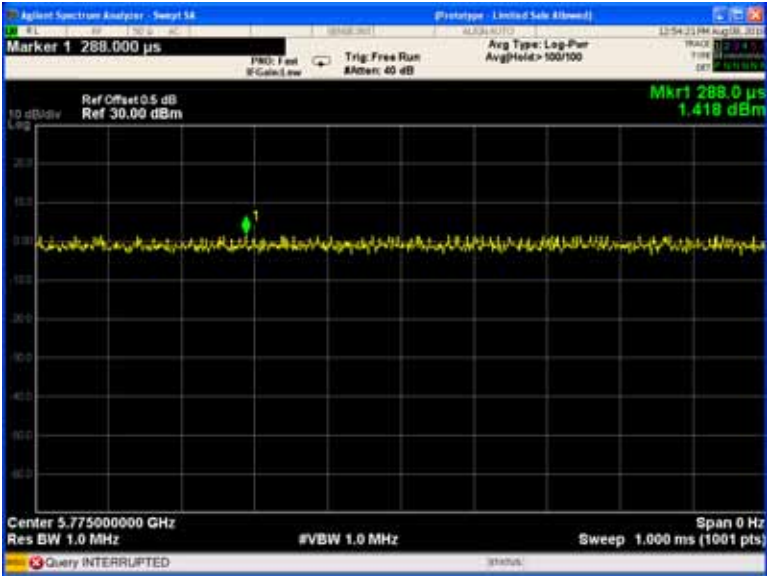
802.11ac(HT20) U-NII-3 Low channel



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



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



ANT6

802.11a U-NII-3 Low channel



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



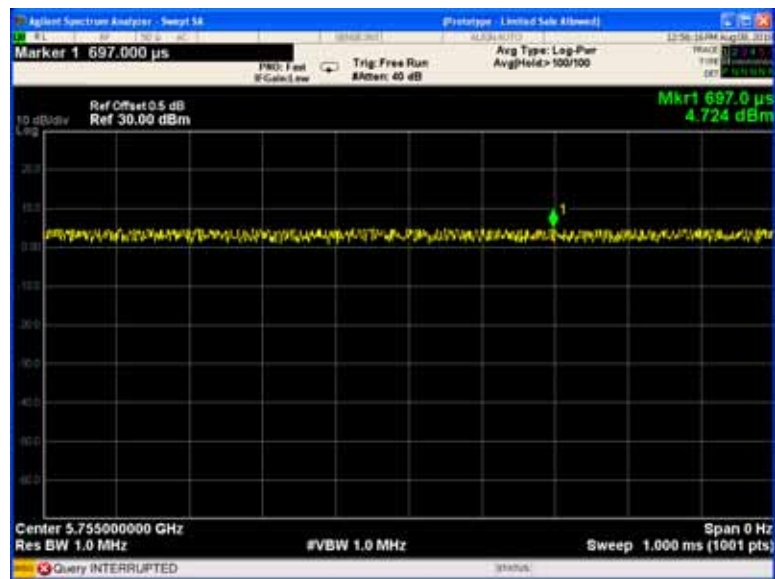
802.11n(HT40) U-NII-3 Low channel



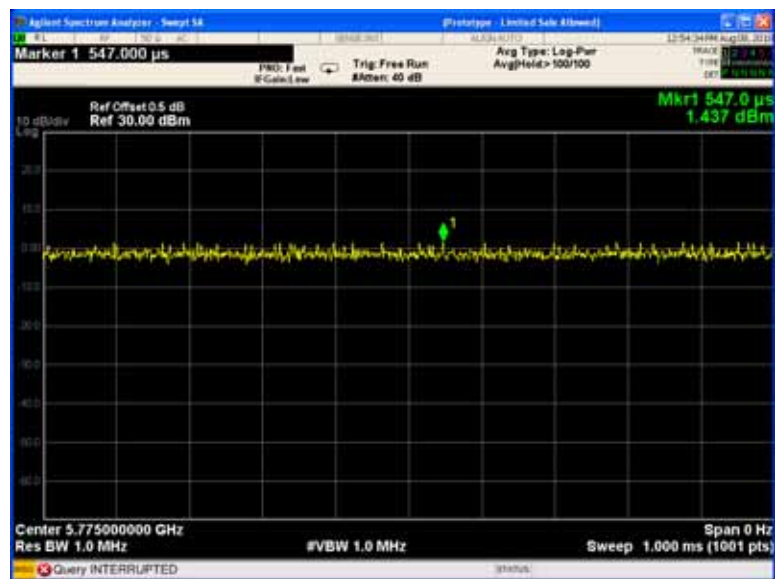
802.11ac(HT20) U-NII-3 Low channel



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

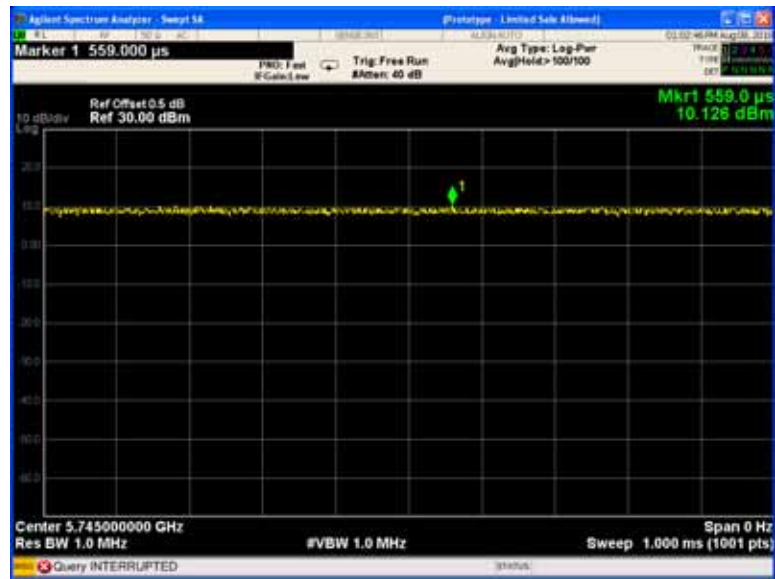


802.11ac(HT80) U-NII-3 Low channel



ANT7

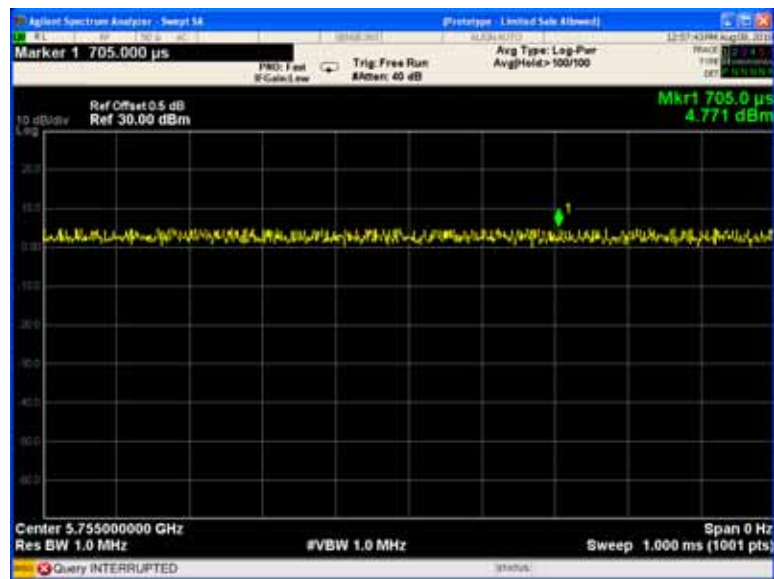
802.11a U-NII-3 Low channel



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



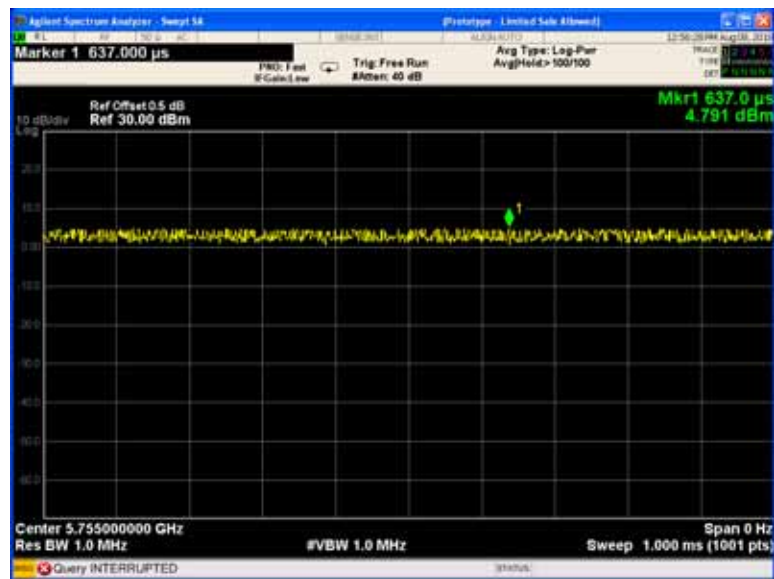
802.11n(HT40) U-NII-3 Low channel



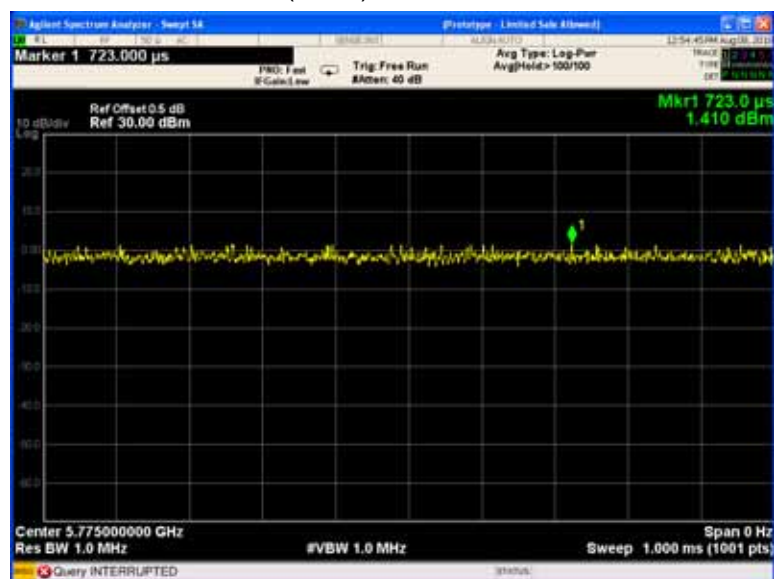
802.11ac(HT20) U-NII-3 Low channel



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

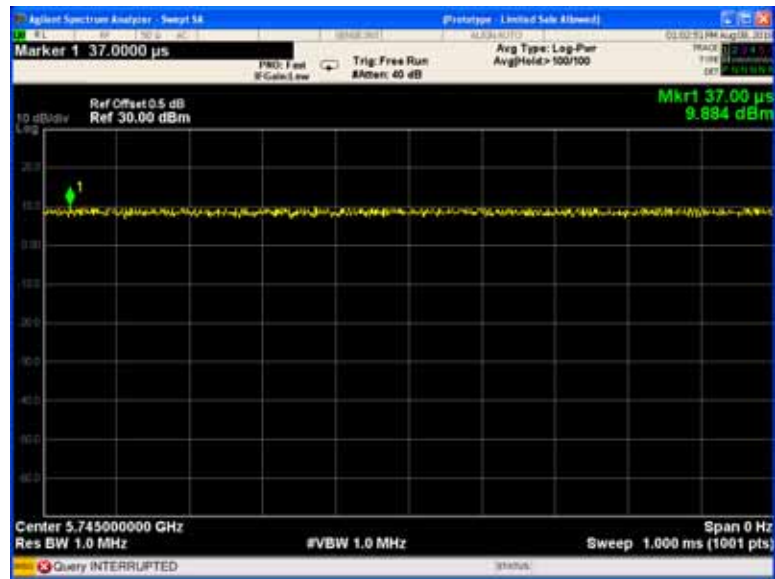


802.11ac(HT80) U-NII-3 Low channel

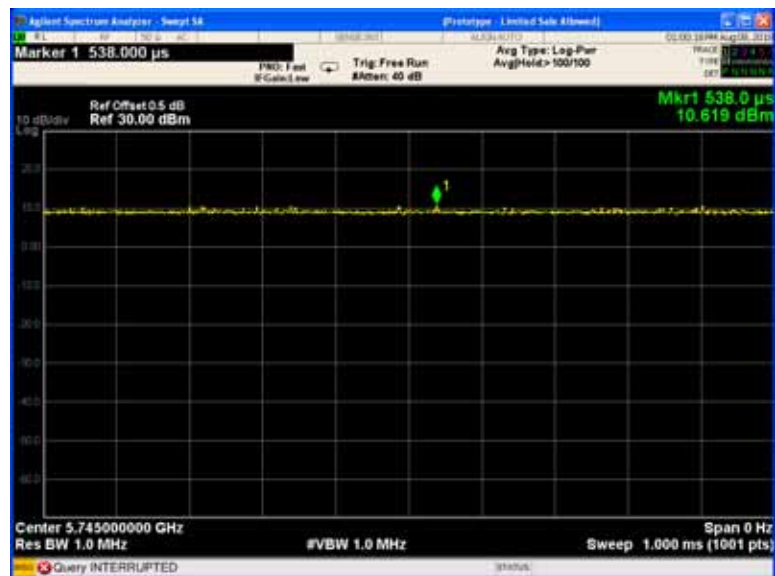


ANT8

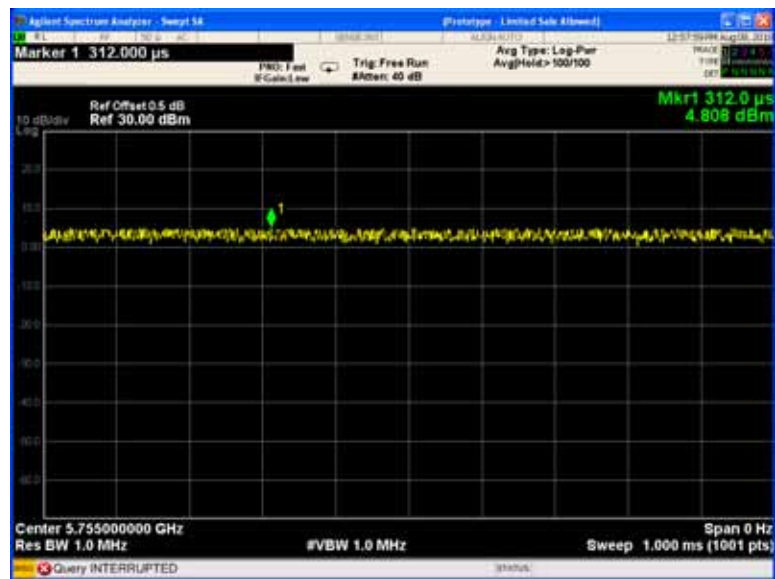
802.11a U-NII-3 Low channel



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



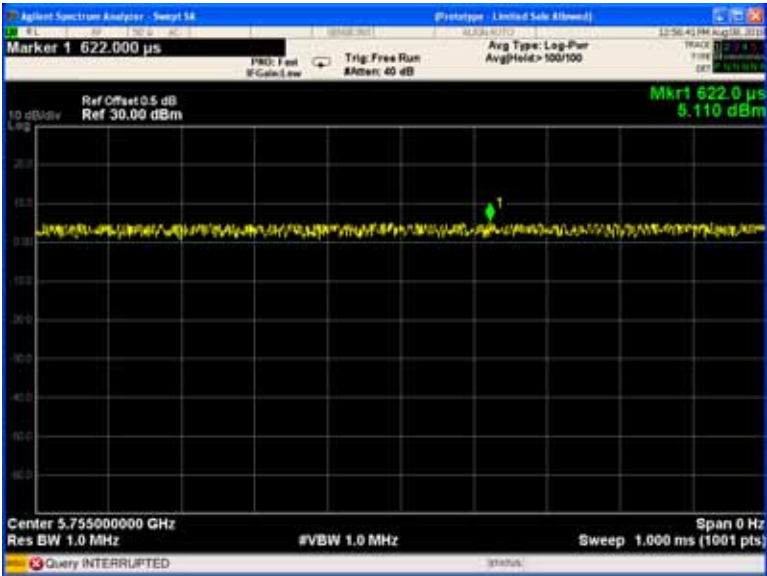
802.11n(HT40) U-NII-3 Low channel



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



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



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



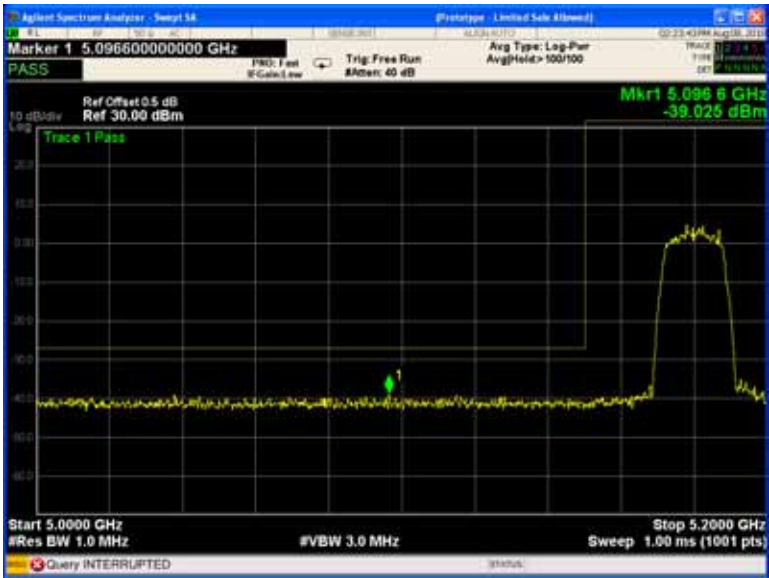
2. Band Edge

2.1. Test Result

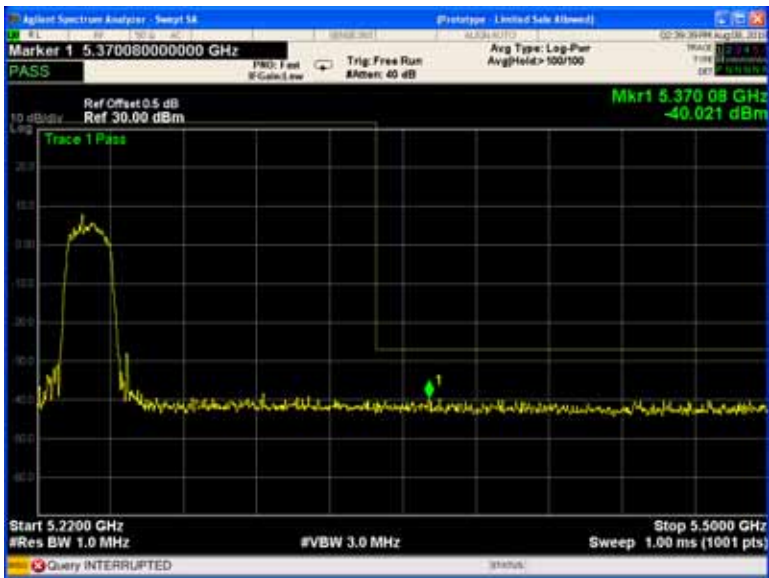
Test result plots shown as follows:

ANT3

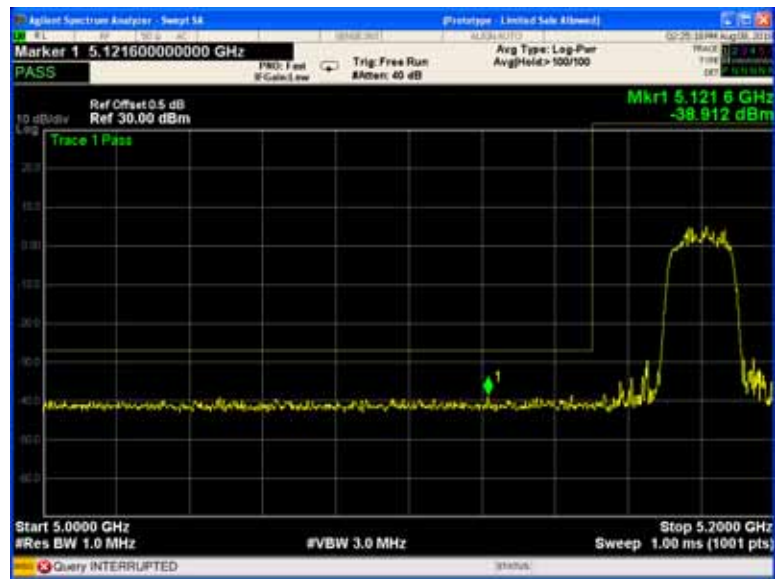
802.11a U-NII-1 Band edge-left side



802.11a U-NII-1 Band edge-right side



802.11n(HT20) U-NII-1 Band edge-left side



802.11n(HT20) U-NII-1 Band edge-right side



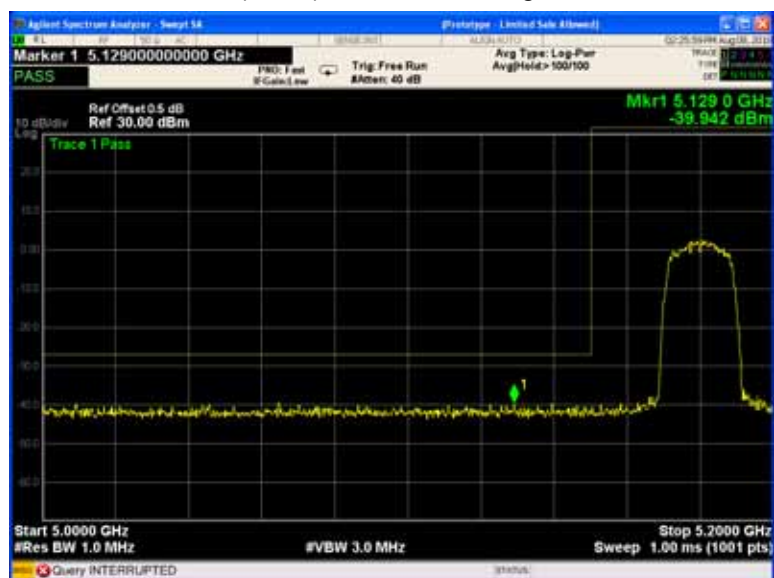
802.11n(HT40) U-NII-1 Band edge-left side



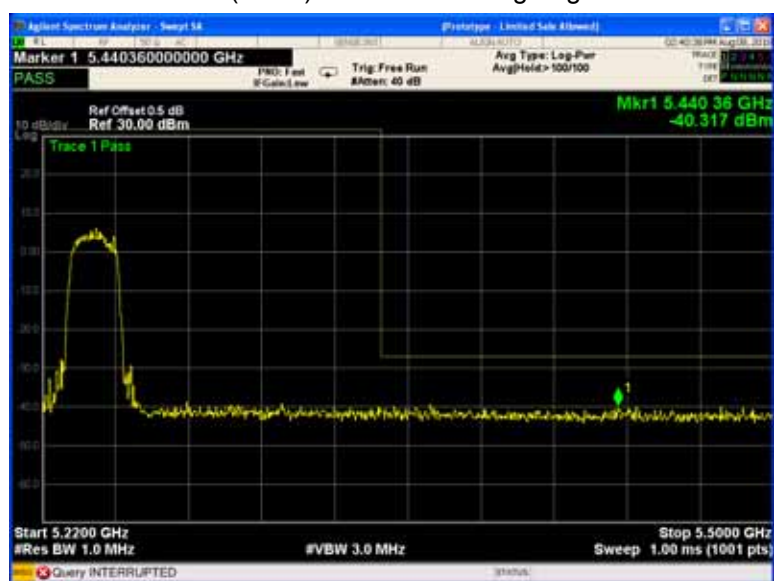
802.11n(HT40) U-NII-1 Band edge-right side



802.11ac(HT20) U-NII-1 Band edge-left side



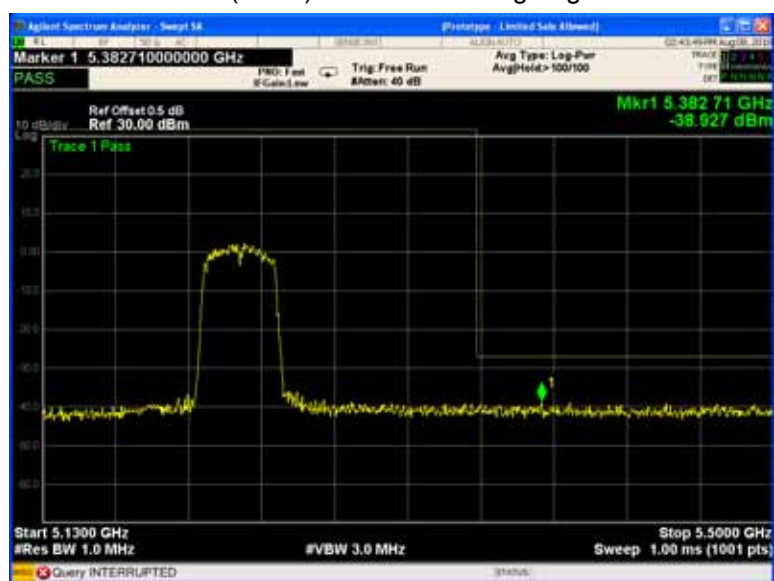
802.11ac(HT20) U-NII-1 Band edge-right side



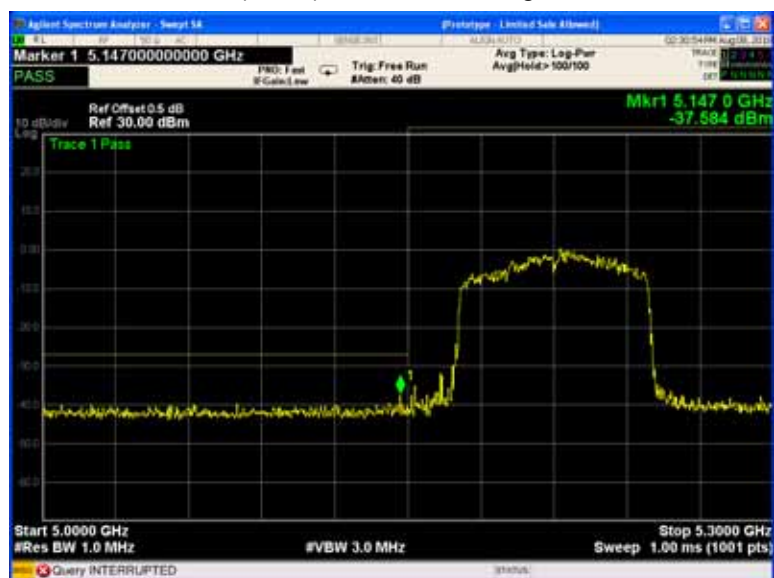
802.11ac(HT40) U-NII-1 Band edge-left side



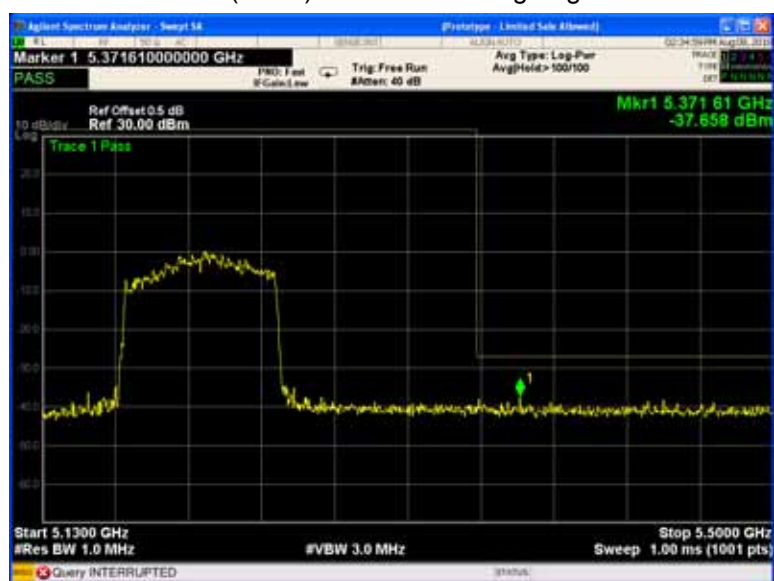
802.11ac(HT40) U-NII-1 Band edge-right side



802.11ac(HT80) U-NII-1 Band edge-left side

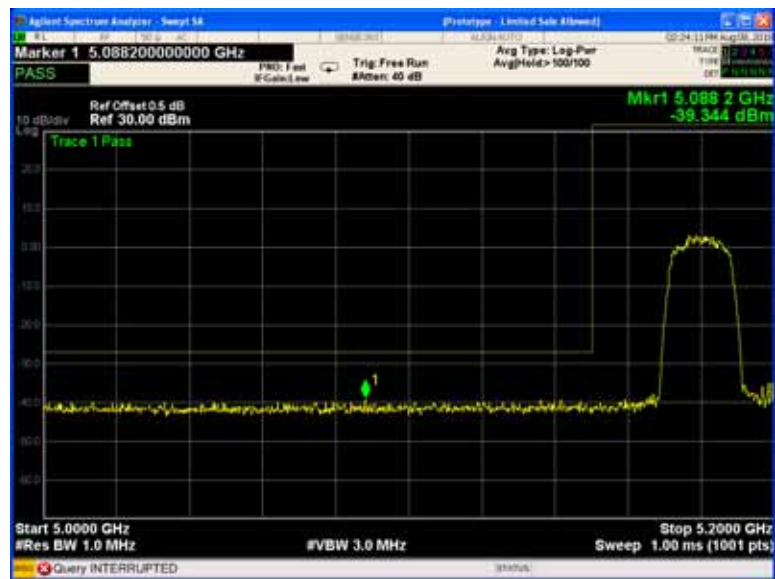


802.11ac(HT80) U-NII-1 Band edge-right side

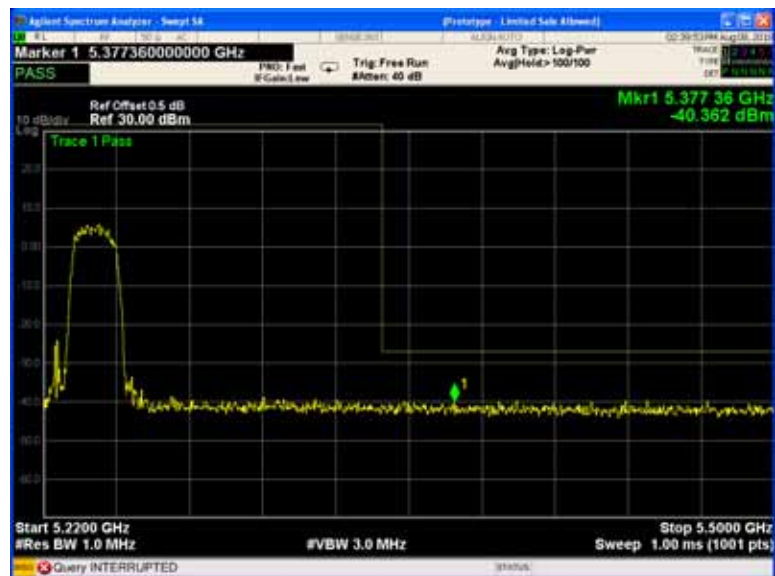


ANT4

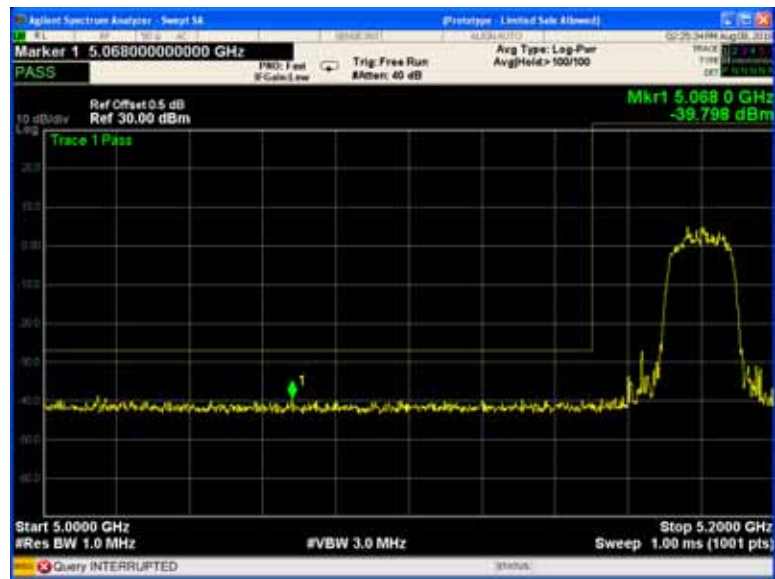
802.11a U-NII-1 Band edge-left side



802.11a U-NII-1 Band edge-right side



802.11n(HT20) U-NII-1 Band edge-left side



802.11n(HT20) U-NII-1 Band edge-right side



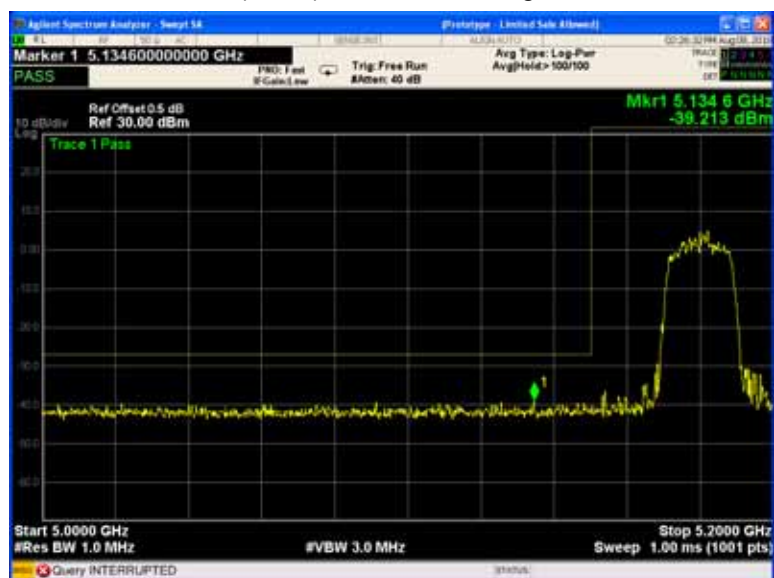
802.11n(HT40) U-NII-1 Band edge-left side



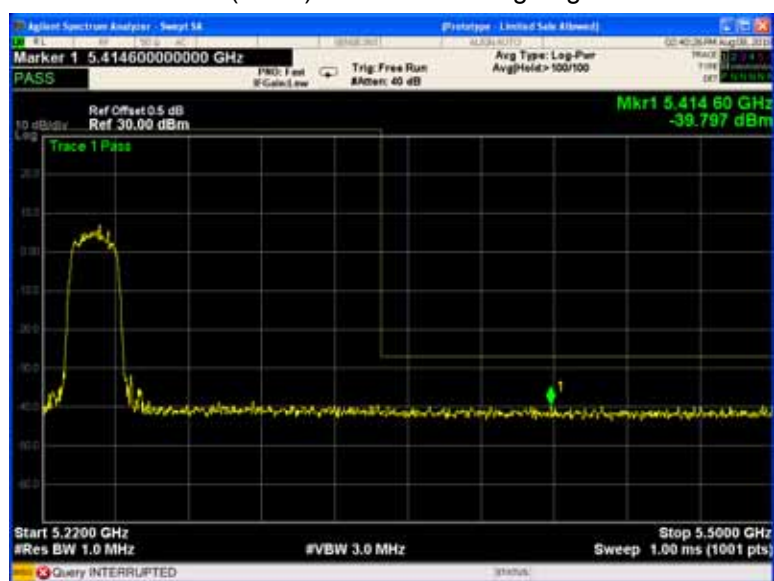
802.11n(HT40) U-NII-1 Band edge-right side



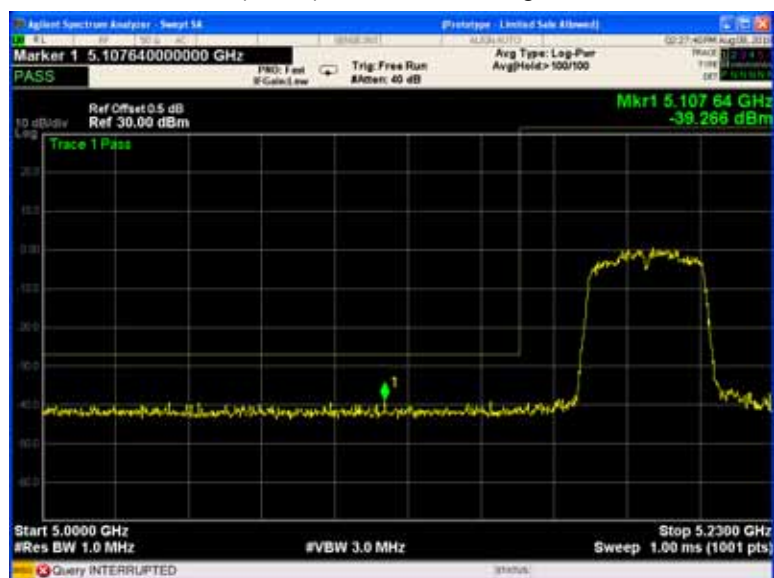
802.11ac(HT20) U-NII-1 Band edge-left side



802.11ac(HT20) U-NII-1 Band edge-right side



802.11ac(HT40) U-NII-1 Band edge-left side



802.11ac(HT40) U-NII-1 Band edge-right side



802.11ac(HT80) U-NII-1 Band edge-left side



802.11ac(HT80) U-NII-1 Band edge-right side

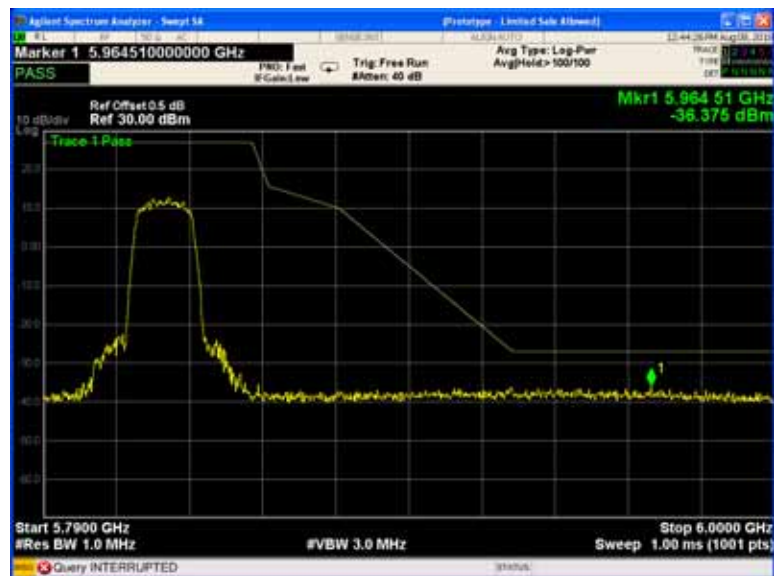


ANT5

802.11a U-NII-3 Band edge-left side



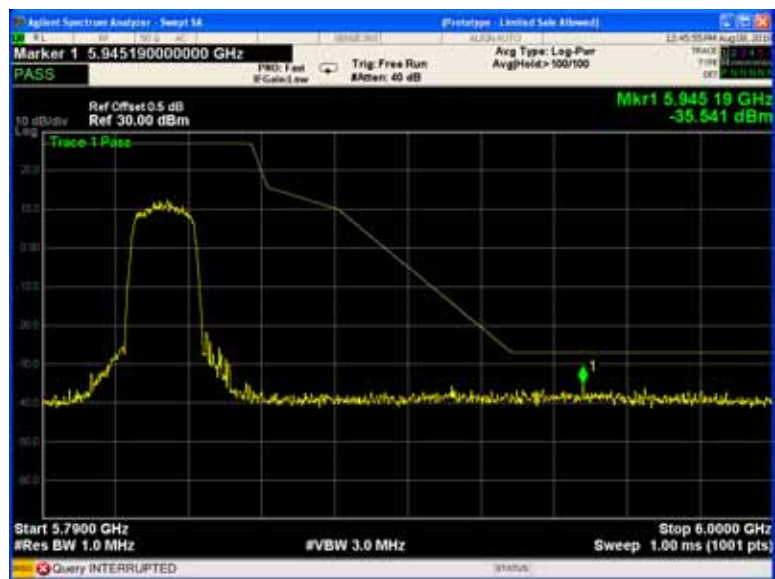
802.11a U-NII-3 Band edge-right side



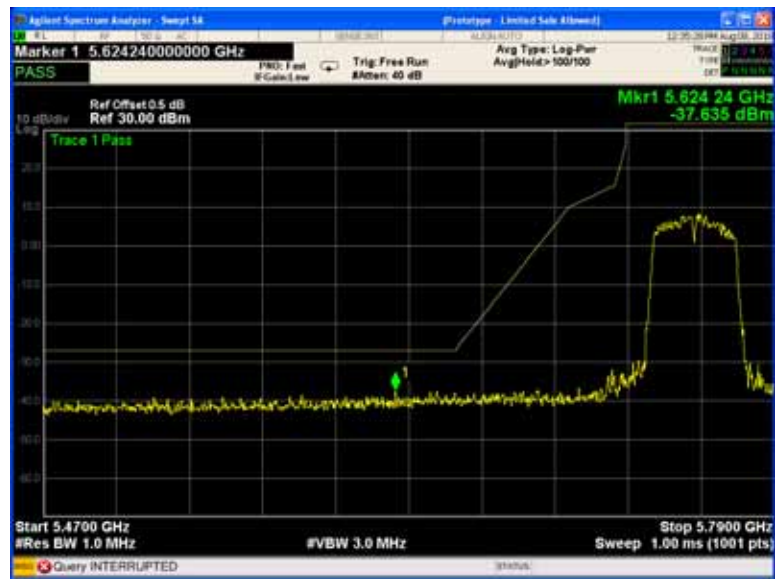
802.11n(HT20) U-NII-3 Band edge-left side



802.11n(HT20) U-NII-3 Band edge-right side



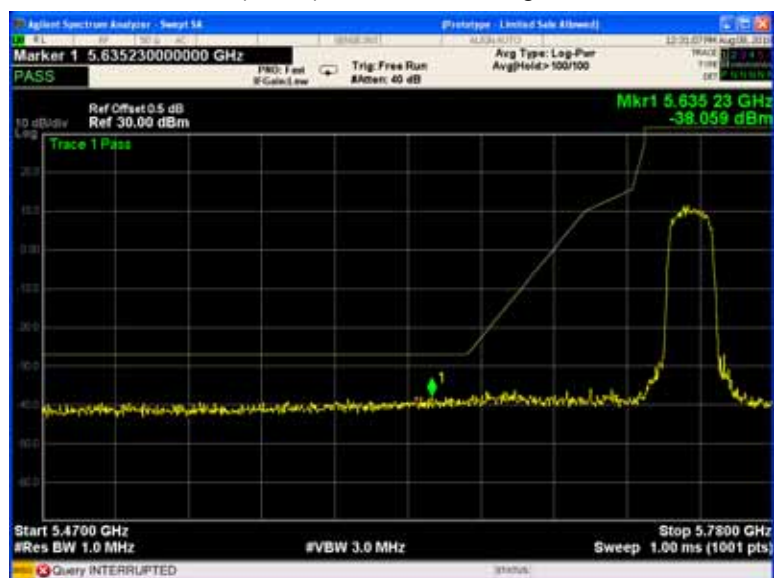
802.11n(HT40) U-NII-3 Band edge-left side



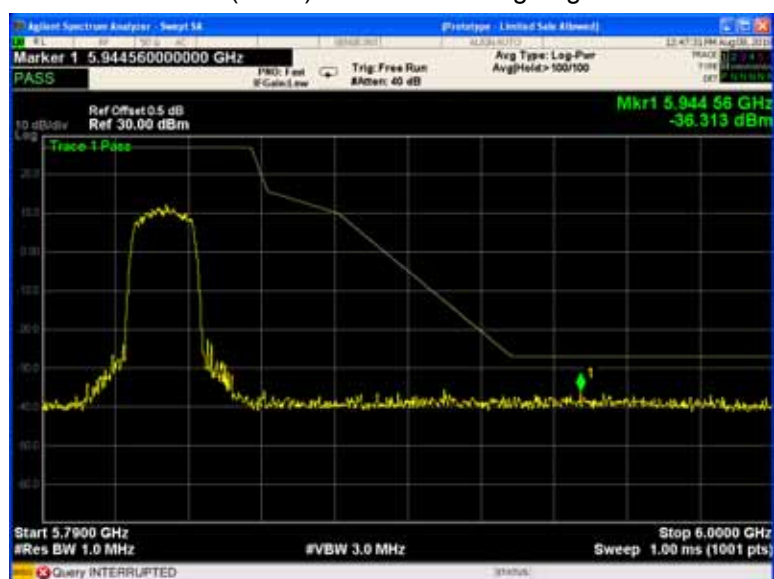
802.11n(HT40) U-NII-3 Band edge-right side



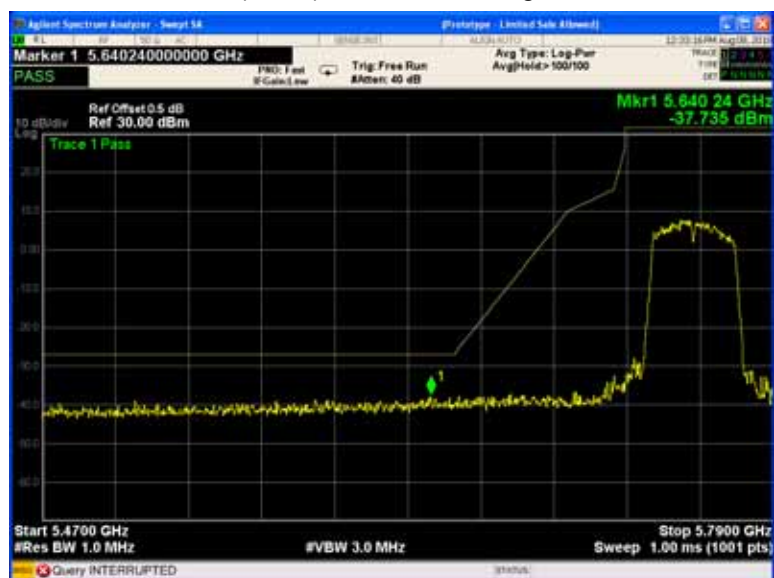
802.11ac(HT20) U-NII-3 Band edge-left side



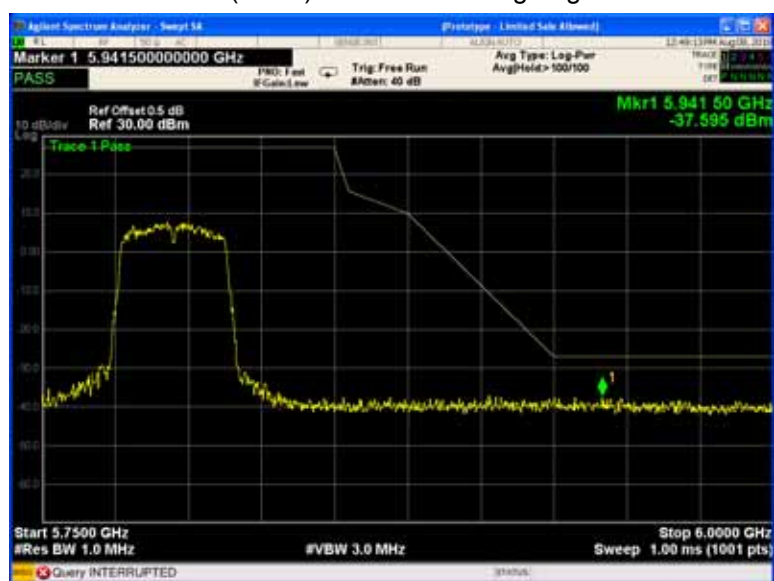
802.11ac(HT20) U-NII-3 Band edge-right side



802.11ac(HT40) U-NII-3 Band edge-left side



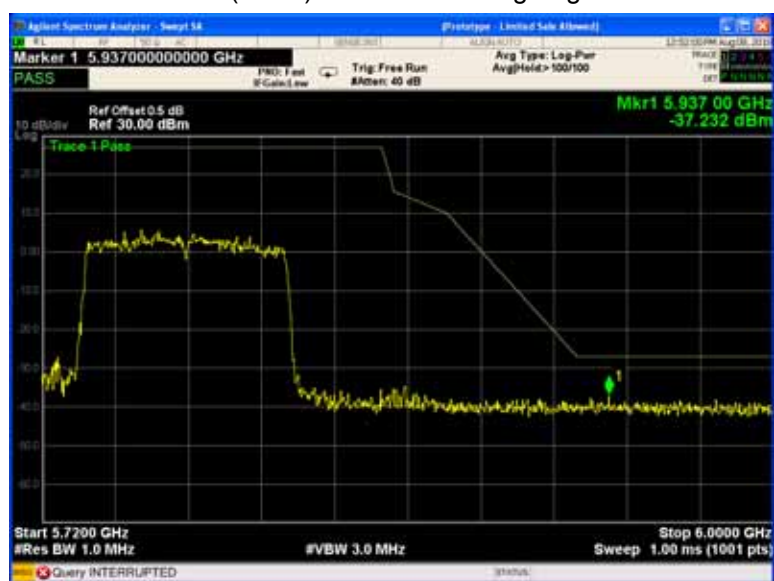
802.11ac(HT40) U-NII-3 Band edge-right side



802.11ac(HT80) U-NII-3 Band edge-left side

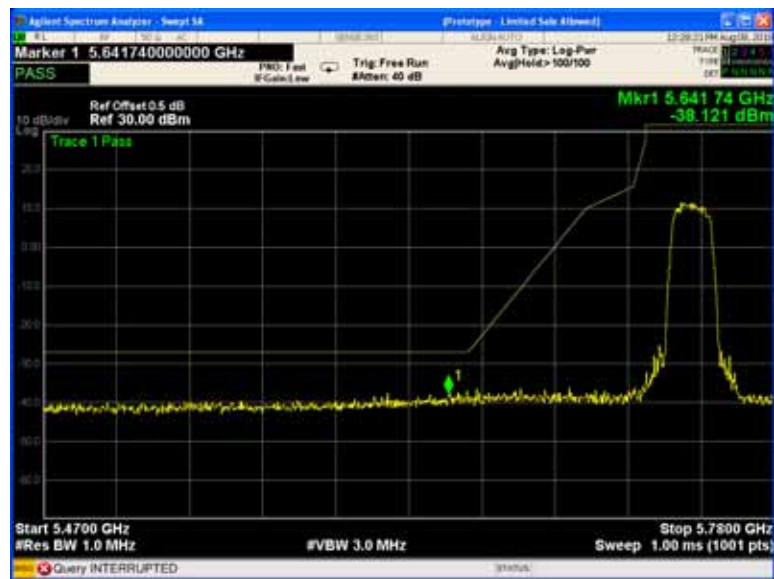


802.11ac(HT80) U-NII-3 Band edge-right side

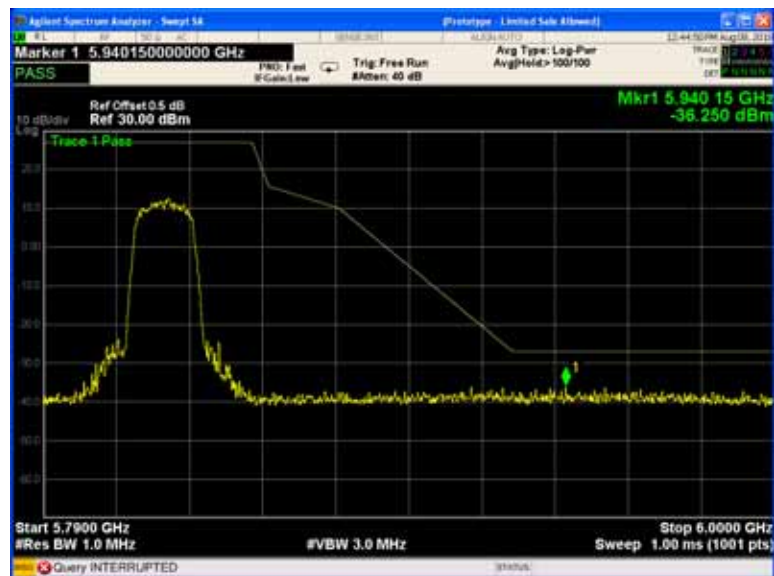


ANT6

802.11a U-NII-3 Band edge-left side



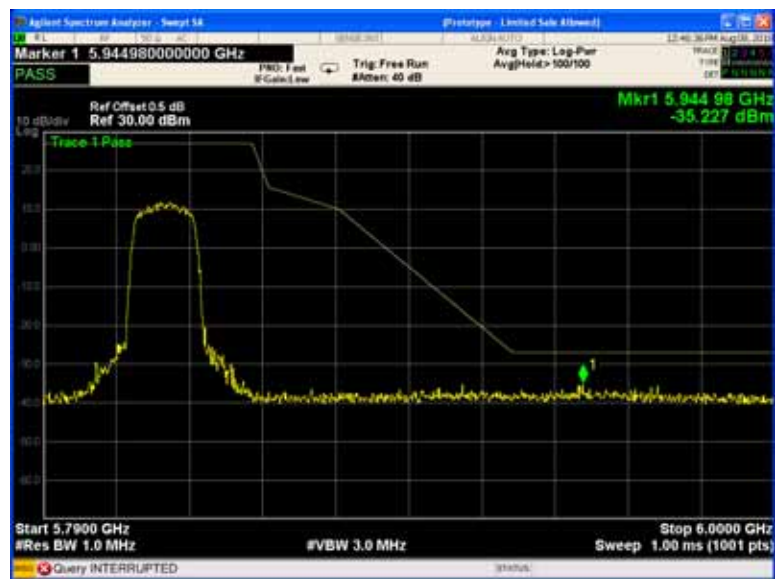
802.11a U-NII-3 Band edge-right side



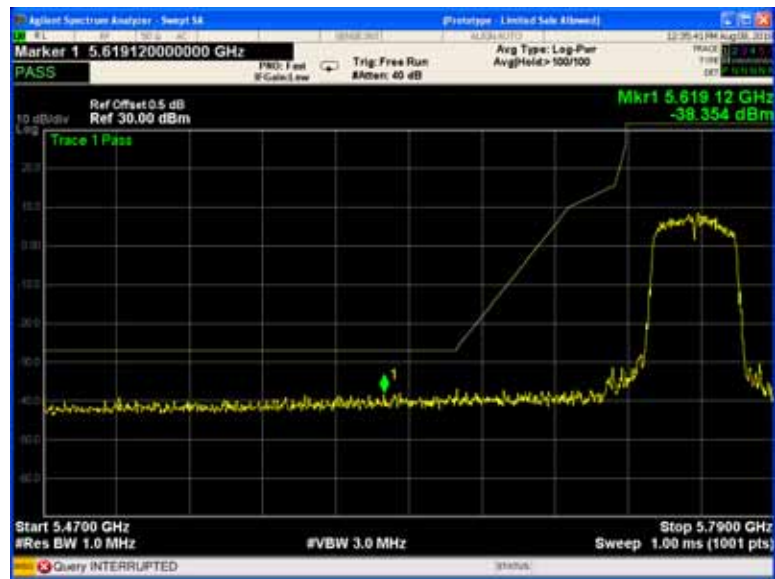
802.11n(HT20) U-NII-3 Band edge-left side



802.11n(HT20) U-NII-3 Band edge-right side



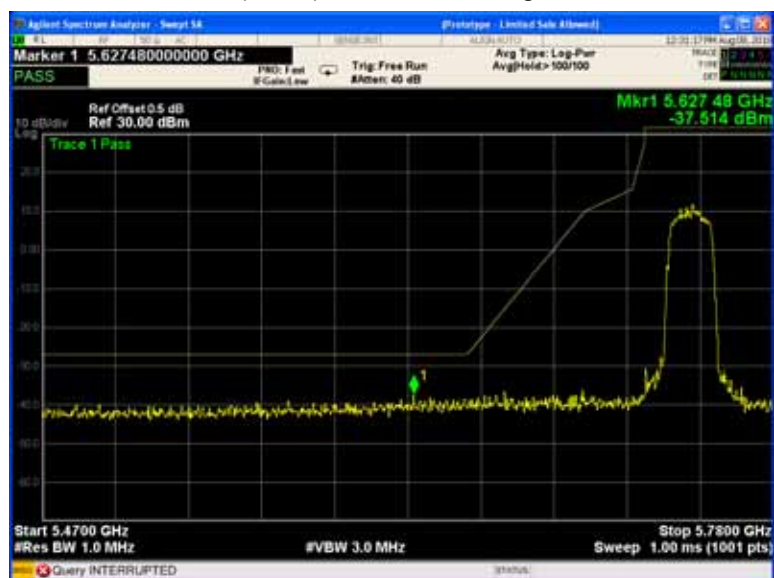
802.11n(HT40) U-NII-3 Band edge-left side



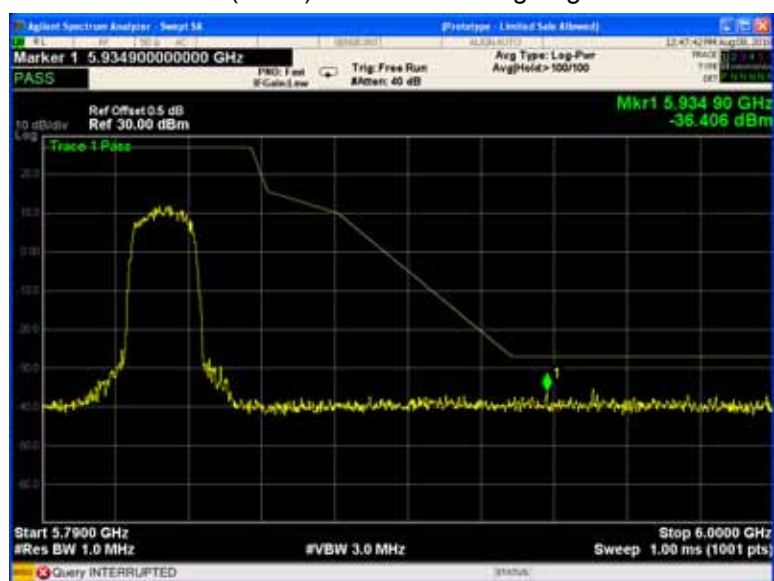
802.11n(HT40) U-NII-3 Band edge-right side



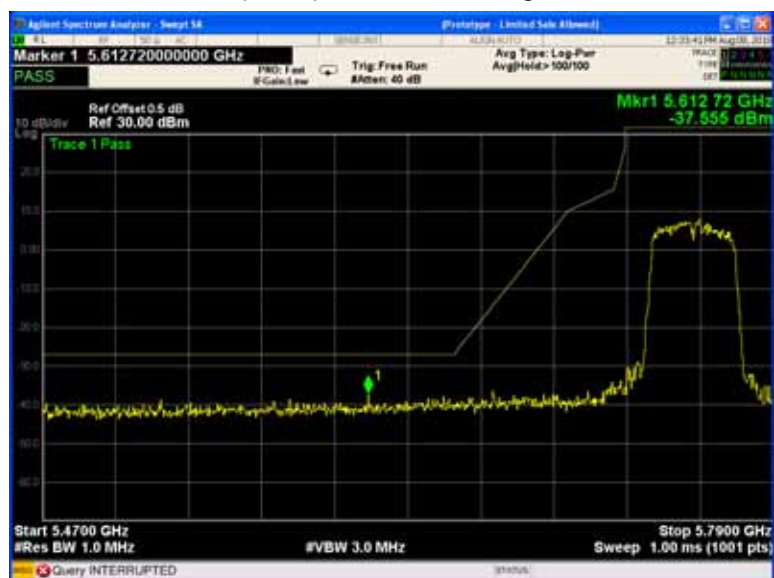
802.11ac(HT20) U-NII-3 Band edge-left side



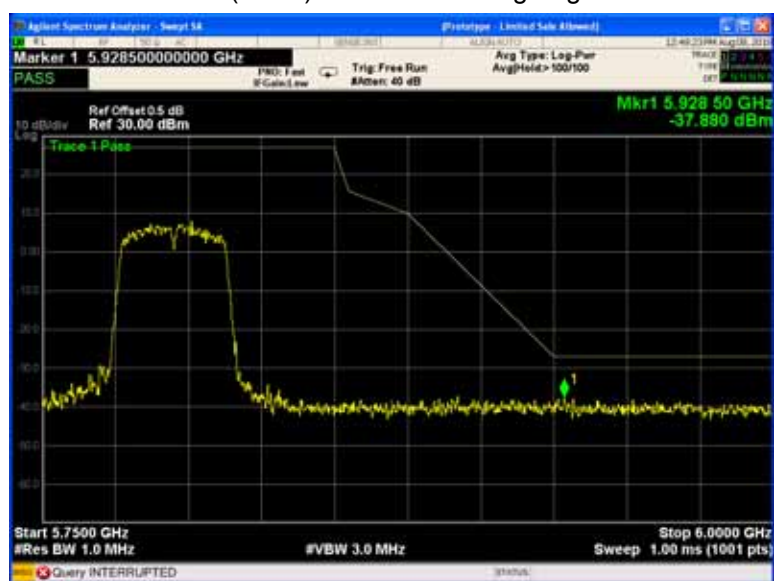
802.11ac(HT20) U-NII-3 Band edge-right side



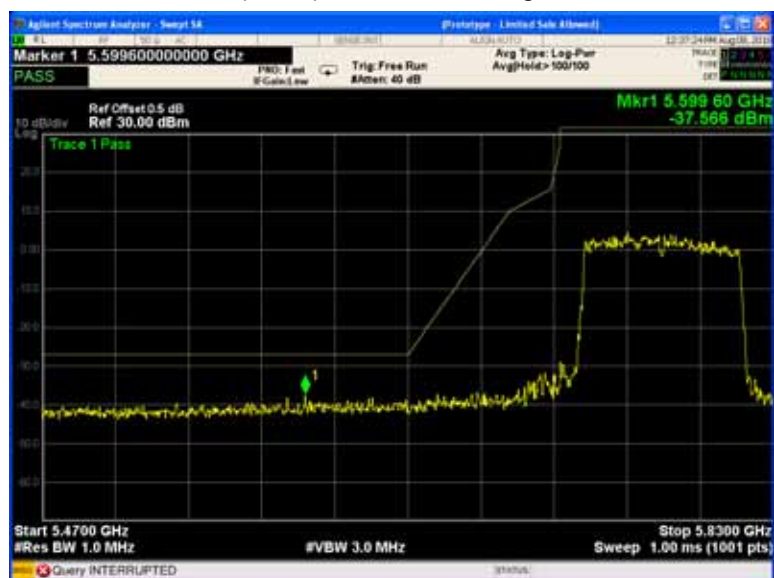
802.11ac(HT40) U-NII-3 Band edge-left side



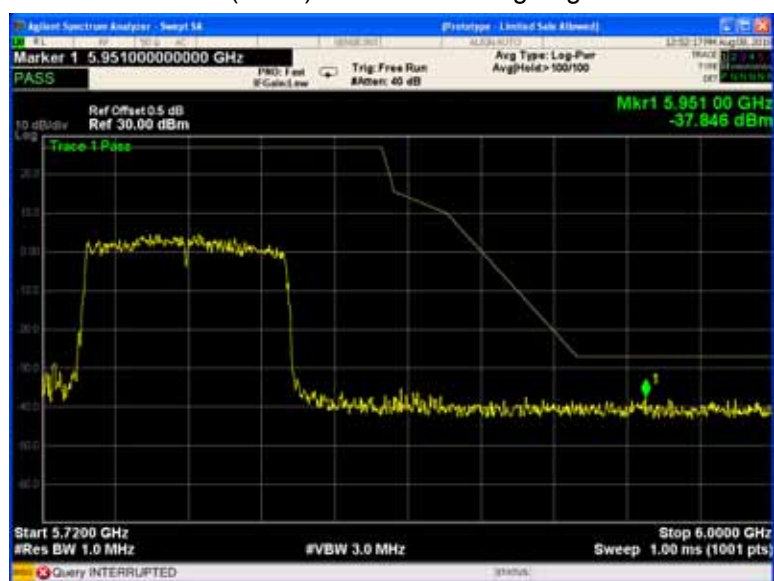
802.11ac(HT40) U-NII-3 Band edge-right side



802.11ac(HT80) U-NII-3 Band edge-left side

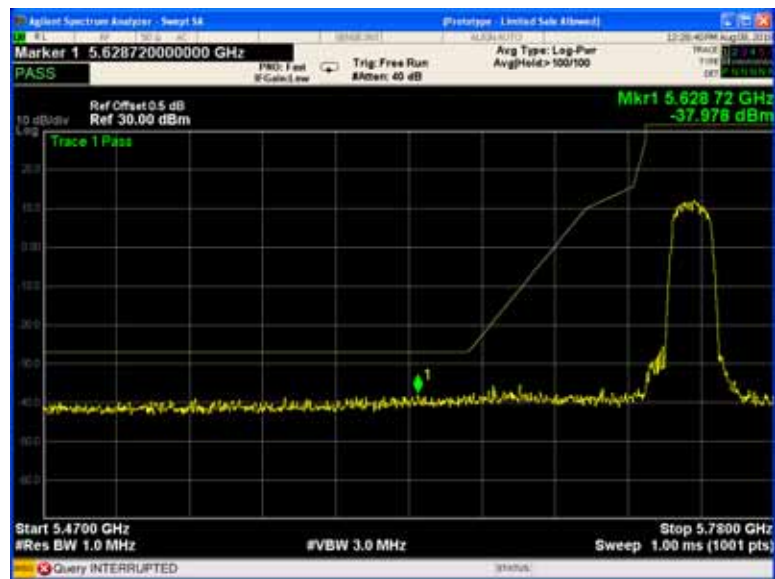


802.11ac(HT80) U-NII-3 Band edge-right side

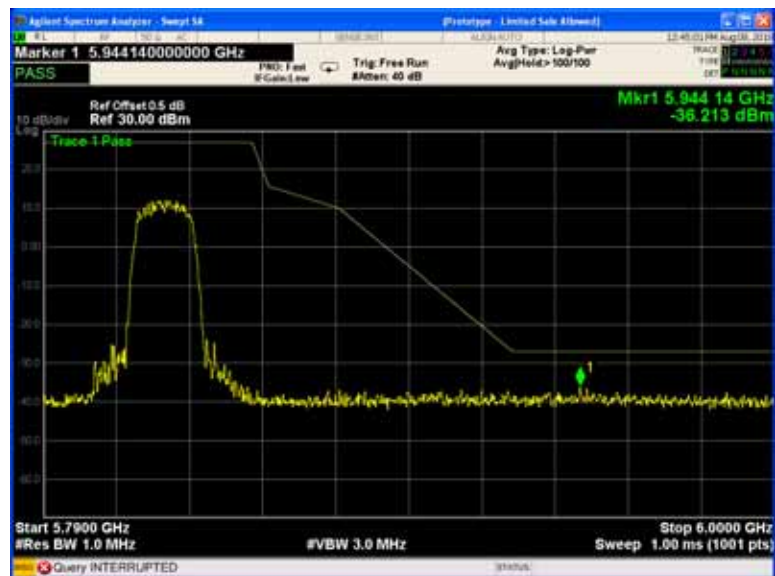


ANT7

802.11a U-NII-3 Band edge-left side



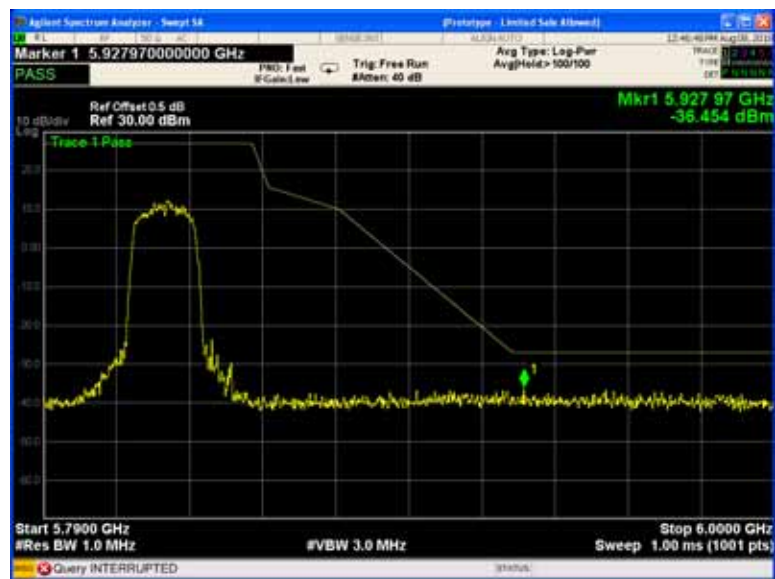
802.11a U-NII-3 Band edge-right side



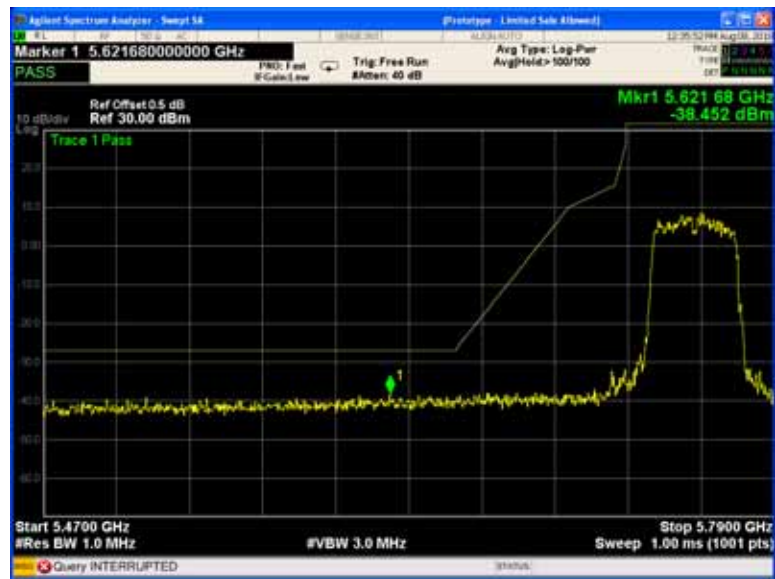
802.11n(HT20) U-NII-3 Band edge-left side



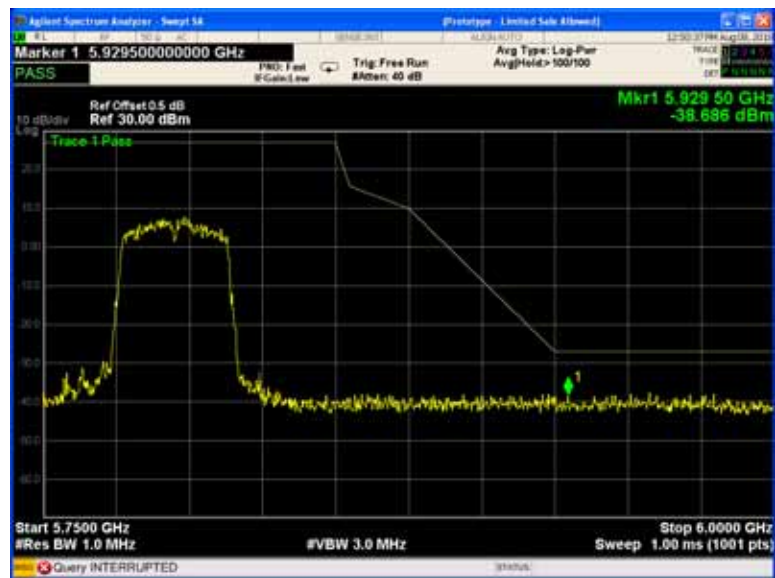
802.11n(HT20) U-NII-3 Band edge-right side



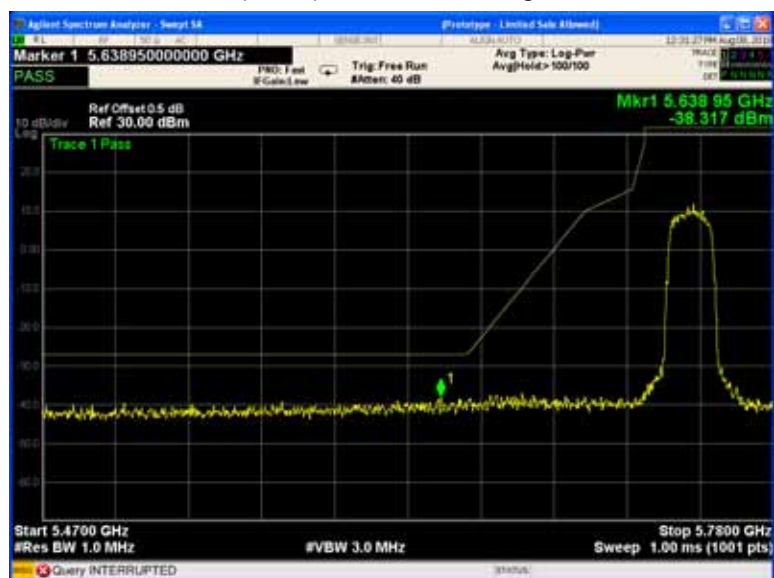
802.11n(HT40) U-NII-3 Band edge-left side



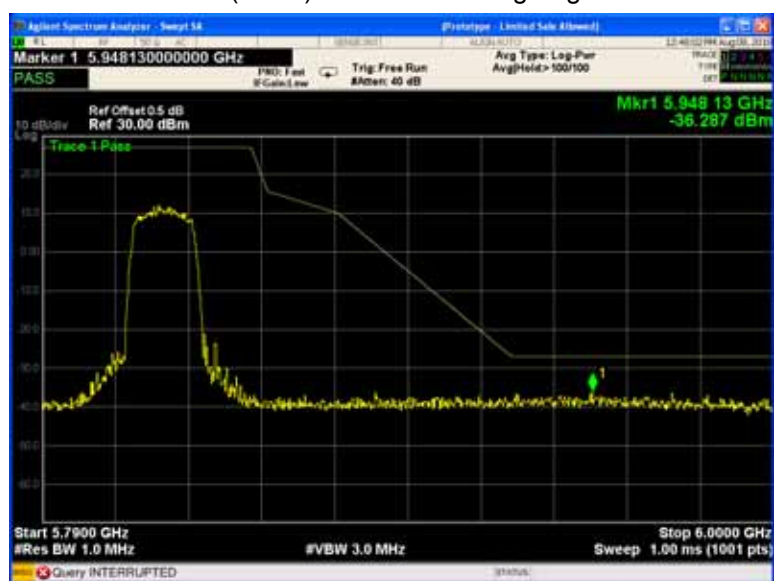
802.11n(HT40) U-NII-3 Band edge-right side



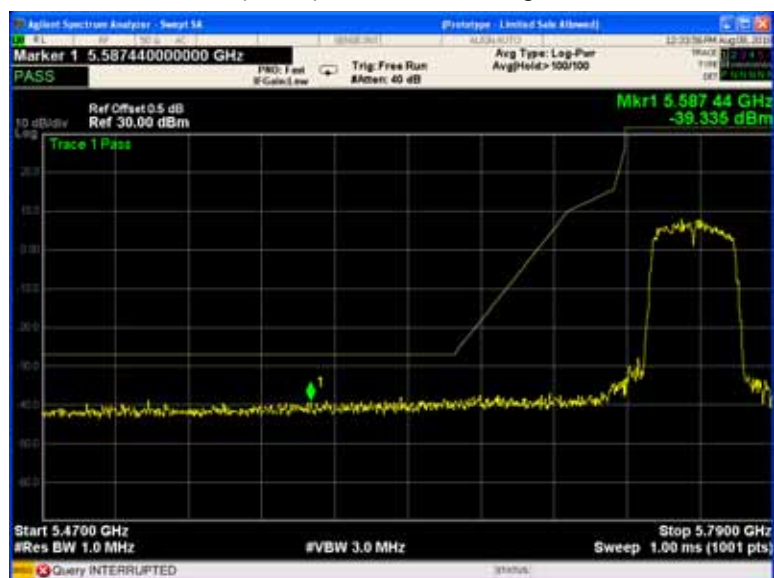
802.11ac(HT20) U-NII-3 Band edge-left side



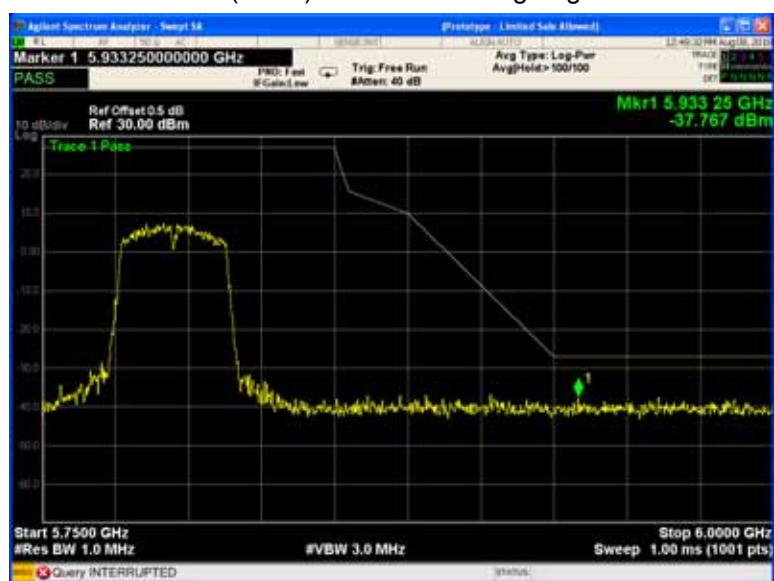
802.11ac(HT20) U-NII-3 Band edge-right side



802.11ac(HT40) U-NII-3 Band edge-left side



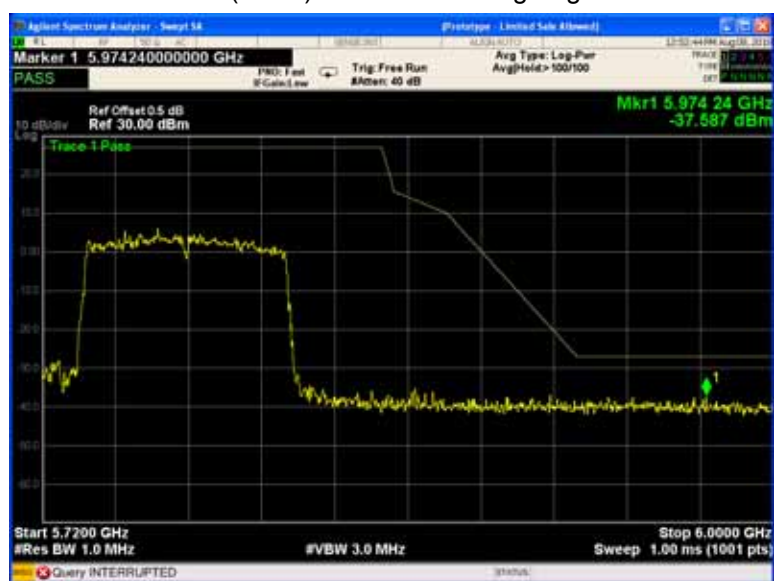
802.11ac(HT40) U-NII-3 Band edge-right side



802.11ac(HT80) U-NII-3 Band edge-left side

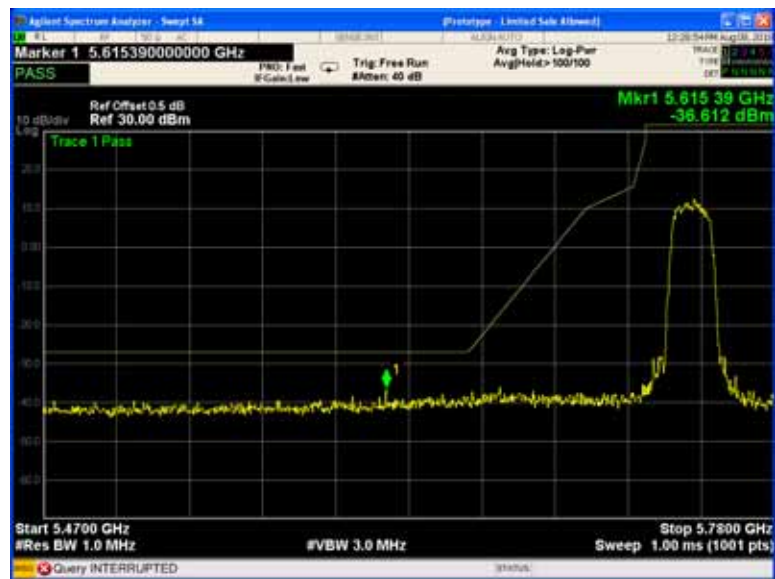


802.11ac(HT80) U-NII-3 Band edge-right side

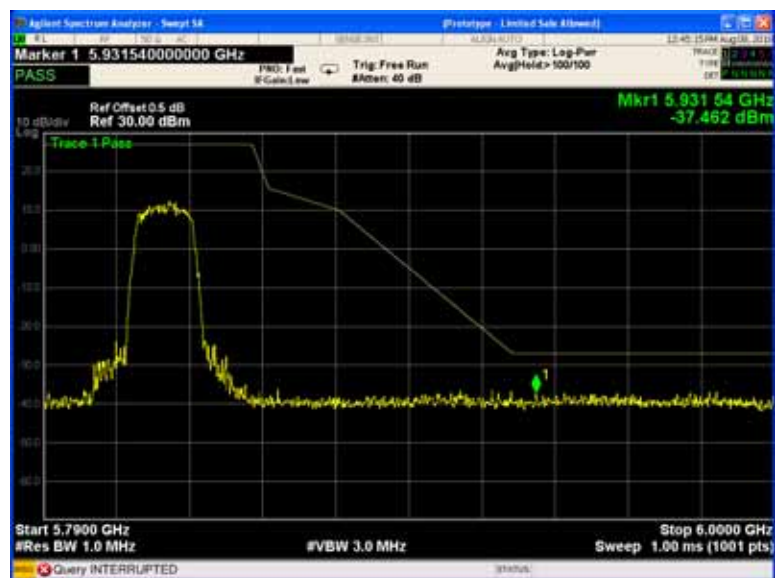


ANT8

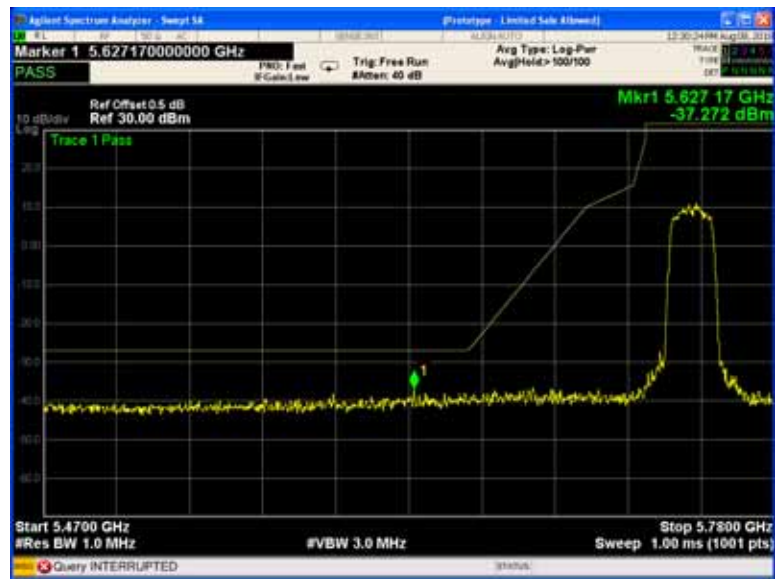
802.11a U-NII-3 Band edge-left side



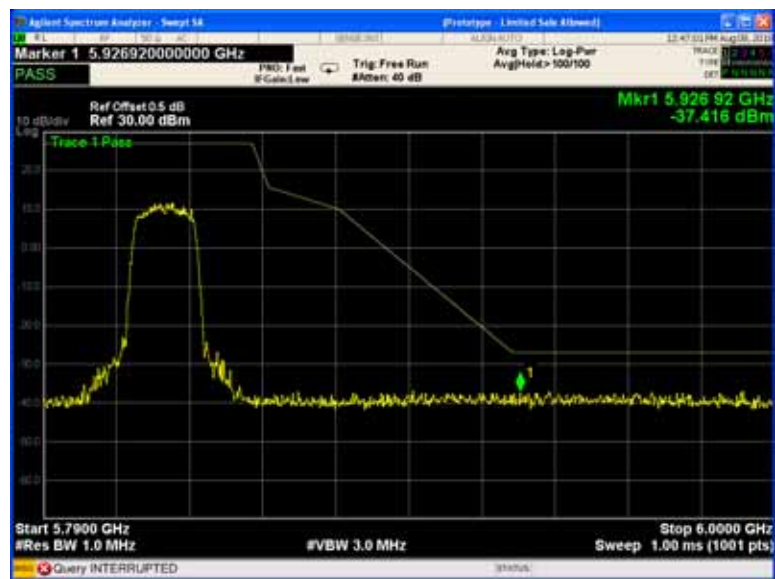
802.11a U-NII-3 Band edge-right side



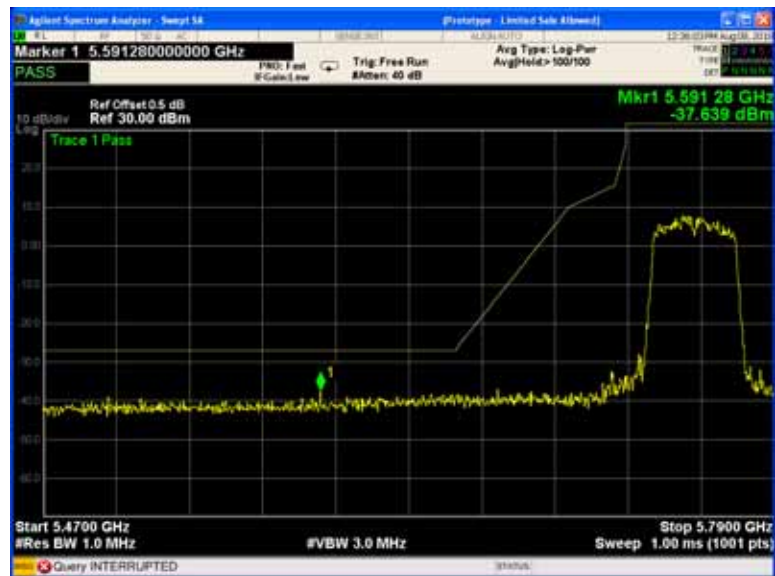
802.11n(HT20) U-NII-3 Band edge-left side



802.11n(HT20) U-NII-3 Band edge-right side



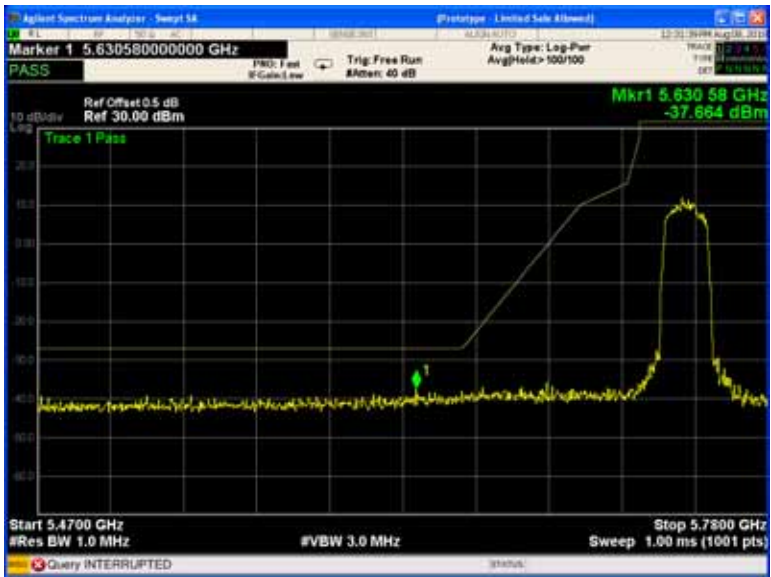
802.11n(HT40) U-NII-3 Band edge-left side



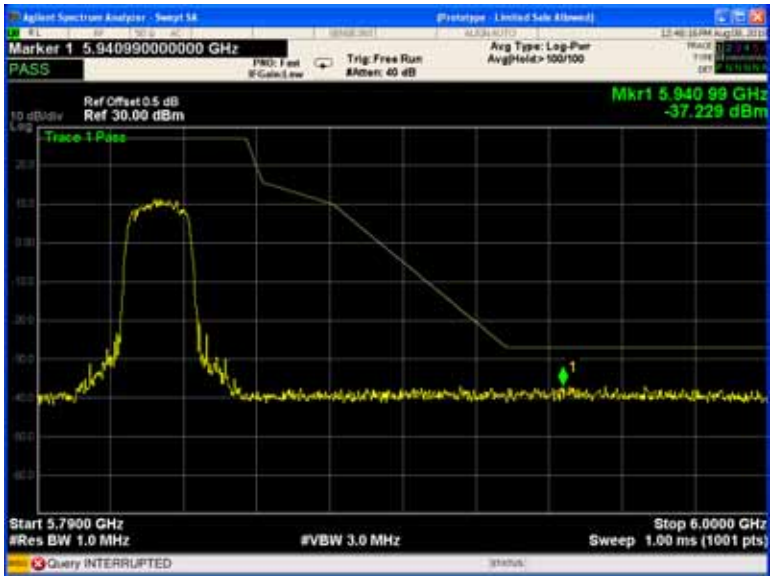
802.11n(HT40) U-NII-3 Band edge-right side



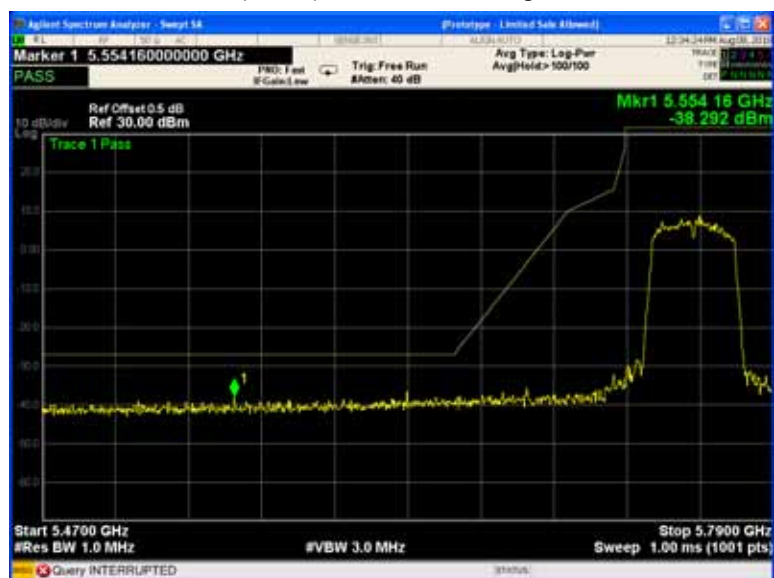
802.11ac(HT20) U-NII-3 Band edge-left side



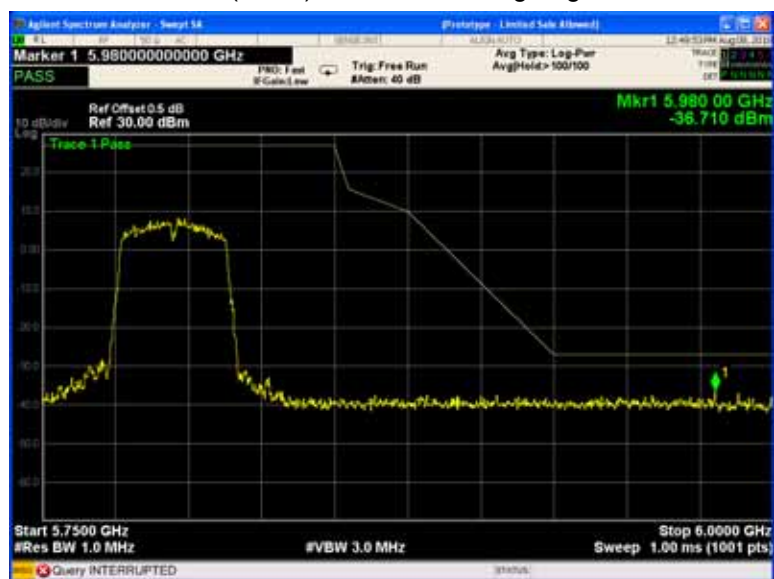
802.11ac(HT20) U-NII-3 Band edge-right side



802.11ac(HT40) U-NII-3 Band edge-left side



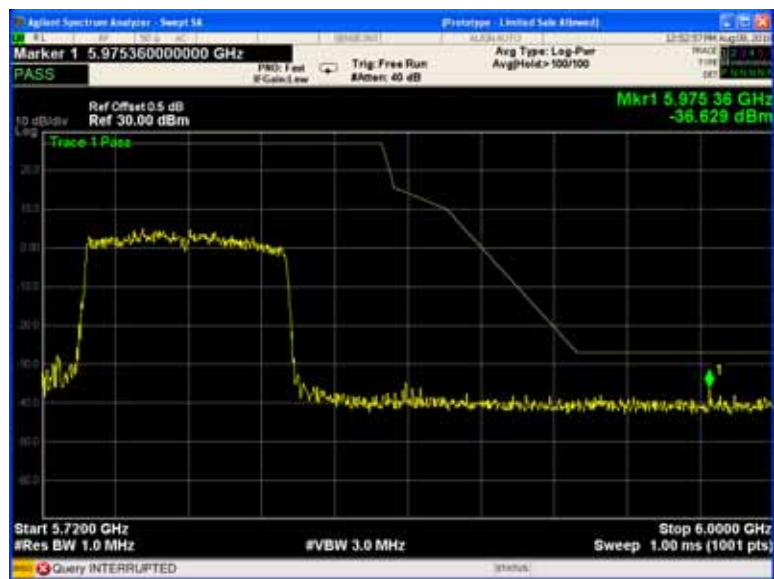
802.11ac(HT40) U-NII-3 Band edge-right side



802.11ac(HT80) U-NII-3 Band edge-left side



802.11ac(HT80) U-NII-3 Band edge-right side



3. 6 dB Bandwidth

3.1. Test Result:

ANT5	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	15.15	15.09	15.60
	802.11n(HT20)	17.28	17.13	16.80
	802.11n(HT40)	35.40	/	35.94
	802.11ac(HT20)	16.02	15.75	15.75
	802.11ac(HT40)	35.16	/	35.16
	802.11ac(HT80)	76.08	/	/
ANT6	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.26	15.15	15.72
	802.11n(HT20)	17.10	16.80	16.74
	802.11n(HT40)	35.61	/	35.16
	802.11ac(HT20)	16.02	15.42	15.15
	802.11ac(HT40)	35.34	/	35.04
	802.11ac(HT80)	75.72	/	/
ANT7	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	15.69	15.15	15.72
	802.11n(HT20)	17.10	17.07	17.13
	802.11n(HT40)	35.70	/	35.70
	802.11ac(HT20)	15.72	15.15	15.15
	802.11ac(HT40)	35.16	/	35.10
	802.11ac(HT80)	75.12	/	/
ANT8	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	15.72	15.18	15.66
	802.11n(HT20)	17.10	17.10	16.80
	802.11n(HT40)	35.16	/	35.70
	802.11ac(HT20)	15.75	15.15	15.15
	802.11ac(HT40)	35.16	/	35.16
	802.11ac(HT80)	75.72	/	/

Test result plots shown as follows:

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



Agilent Spectrum Analyzer - Swept SA

Prototype - Limited Sale Allowed

Marker 1 Δ 35.40000000 MHz

IFBW: 1.00 Trig: Free Run atten: 30 dB Avg Type: Log-Pwr Avg/Hold: 100/100

Ref Offset 0.5 dB Ref 20.00 dBm

ΔMkr1 35.40 MHz 1.104 dB

Center 5.75500 GHz Span 60.00 MHz

Res BW 100 kHz #VBW 300 kHz Sweep 5.80 ms (1001 pts)

FREQ	MODE	TUNE	SCL	F	(Δ)	F	(Δ)	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	1	f	(Δ)	35.40 MHz	(Δ)	1.104 dBm			
2	F	1	f	(Δ)	5.73712 GHz	(Δ)	-5.504 dBm			

Query INTERRUPTED

[illegible]

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



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



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



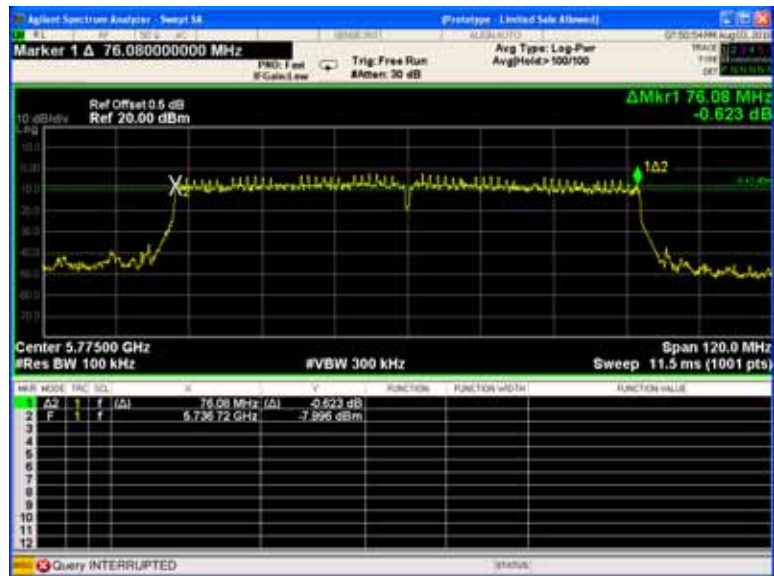
802.11ac(HT40) U-NII-3 Low channel



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



Agilent Spectrum Analyzer - Sweep 1A

Marker 1 Δ 35.64000000 MHz

Ref Offset 0.5 dB
Ref 20.00 dBm

ΔMkr1 35.64 MHz
1.117 dBm

Center 5.75500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60.00 MHz
Sweep 5.80 ms (1001 pts)

MNR	MODE	FREQ	SQL	Δ	dB	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	35.64 MHz	1	1.117 dBm				
2	F	5.7550 GHz		4.520 dBm				

Query INTERRUPTED

Agilent Spectrum Analyzer - Screenshot

Marker 1 Δ 35.16000000 MHz

Ref Offset: 0.5 dB
Ref: 20.00 dBm

Trig: Free Run
#Amen: 30 dB

Req Type: Log-Pwr
Avg/Std: 100/100

OS: 56.149M Aug 10, 2011

Trace: 1 2 3 4 5
Time: 0.00000000
DB: 10.000000

Δ Mkr1 35.16 MHz
1.684 dB

Center 5.79500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60.00 MHz
Sweep 5.80 ms (1001 pts)

MNR	MODE	FREQ	SCL	dB	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	35.16 MHz	(Δ)	1.684 dB			
2	F	5.77736 GHz		-6.663 dBm			
3							
4							
5							
6							
7							
8							
9							
10							
11							
12							

Query INTERRUPTED

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



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



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



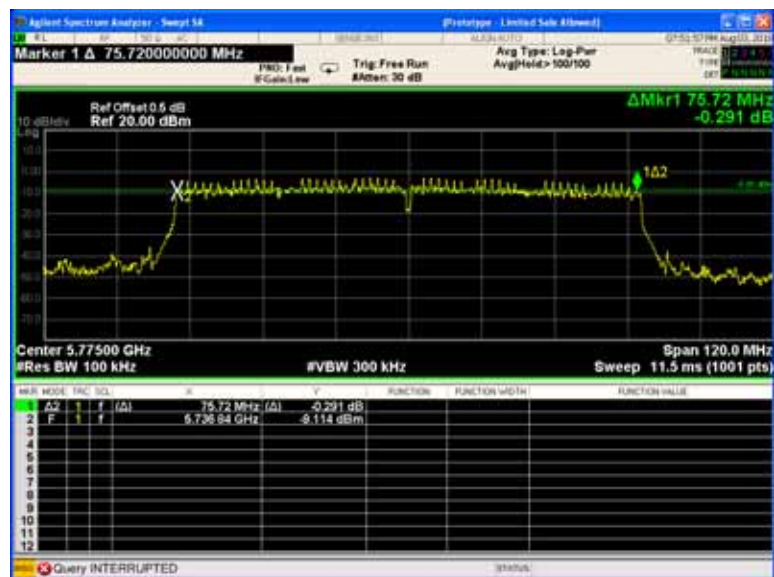
802.11ac(HT40) U-NII-3 Low channel



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



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



802.11a U-NII-3 Low channel



802.11a U-NII-3 Middle channel



Agilent Spectrum Analyzer - Sweep 1A

Marker 1 Δ 15.72000000 MHz

Ref Offset 0.5 dB
Ref 20.00 dBm

Trig: Free Run
#Atten: 30 dB

Arg Type: Log-Pwr
Avg/Hold: 100/100

Δ Mkr1 15.72 MHz
-0.024 dB

Center 5.82500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.93 ms (1001 pts)

MNR	MODE	FREQ	SCL	UNIT	VAL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	15.72	MHz	(Δ)	-0.024			
2	F	5.81739	GHz		-2.748			

Query INTERRUPTED

Agilent Spectrum Analyzer - Screenshot

Marker 1 Δ 17.10000000 MHz

Ref Offset 0.5 dB
Ref 20.00 dBm

Trig: Free Run
Attenu: 30 dB

Ag Type: Log-Par
Avg/Std: 100/100

Δ Mkr1 17.10 MHz
-0.154 dBm

Center 5.74500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 30.00 MHz
Sweep 2.93 ms (1001 pts)

MNR	MODE	FREQ	SOL	UNIT	VALUE	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	17.10 MHz	(Δ)		-0.154 dBm			
2	F	5.73651 GHz			-1.567 dBm			

Query INTERRUPTED

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



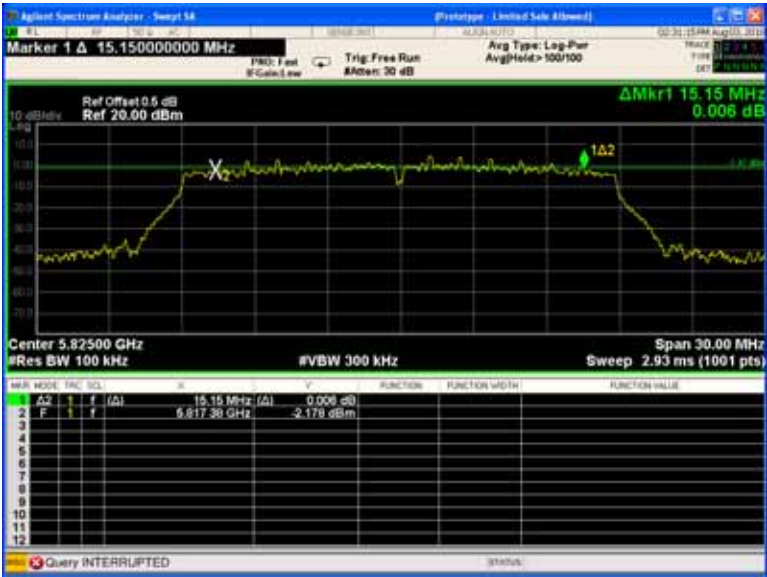
802.11ac(HT20) U-NII-3 Low channel



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



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



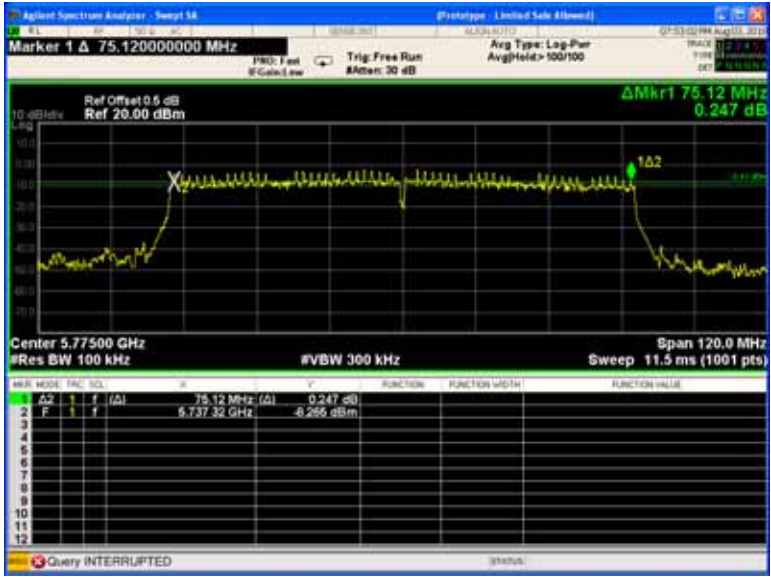
802.11ac(HT40) U-NII-3 Low channel



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



Agilent Spectrum Analyzer - Sweep 54

Marker 1 Δ 35.16000000 MHz

Ref Offset 0.5 dB
Ref 20.00 dBm

Trig: Free Run
Att: 30 dB

Arg Type: Log-Pwr
Avg/Hold: 100/100

Δ Mkr1 35.16 MHz
0.755 dB

Center 5.75500 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 60.00 MHz
Sweep 5.80 ms (1001 pts)

MNR	MODE	FREQ	SCL	UNIT	VAL	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	Δ	35.16 MHz	f	(Δ)	0.755 dB			
2	F	5.73738 GHz	f		-5.169 dBm			
3								
4								
5								
6								
7								
8								
9								
10								
11								
12								

Query INTERRUPTED

Status

The screenshot displays an Agilent Spectrum Analyzer interface. The main plot shows a signal centered at 35.70 MHz with a resolution bandwidth (RBW) of 100 kHz. The signal level is measured as -6.436 dBm. The reference level is set to 20.00 dBm, and the offset is 0.5 dB. The span is 60.00 MHz, and the sweep time is 5.80 ms. A table at the bottom lists the measurement parameters.

MNR	MODE	FREQ	SOL	UNIT	FUNCTION	FUNCTION WIDTH	FUNCTION VALUE
1	AZ	f	(Δ)	35.70 MHz; (Δ)			1.491 dB
2	F	f	(Δ)	5.77892 GHz	-6.436 dBm		

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



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



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



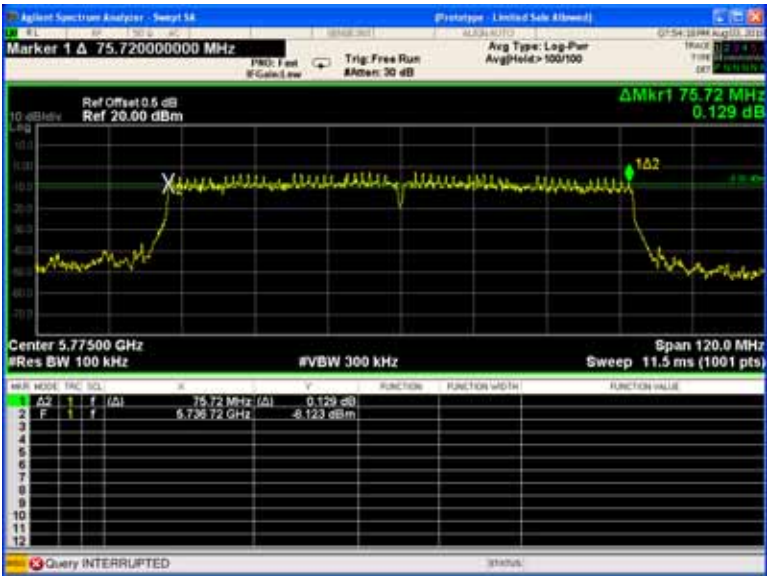
802.11ac(HT40) U-NII-3 Low channel



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



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



4. 26 dB Bandwidth and 99% Occupied Bandwidth

4.1. Test Result:

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
ANT3 U-NII-1	802.11a	19.36	24.65	19.17	16.384	16.454	16.384
	802.11n(HT20)	19.53	24.79	19.39	17.593	17.560	17.514
	802.11n(HT40)	39.25	/	38.54	35.986	/	35.849
	802.11ac(HT20)	20.25	24.84	19.96	17.595	17.602	17.563
	802.11ac(HT40)	39.14	/	39.09	35.946	/	35.930
	802.11ac(HT80)	79.71	/	/	74.727	/	/
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
ANT4 U-NII-1	802.11a	19.40	24.83	19.34	16.426	16.430	16.404
	802.11n(HT20)	20.11	24.58	19.63	17.488	17.587	17.513
	802.11n(HT40)	38.94	/	39.09	35.949	/	35.971
	802.11ac(HT20)	20.05	25.00	19.86	17.521	17.586	17.589
	802.11ac(HT40)	40.09	/	39.15	36.102	/	35.987
	802.11ac(HT80)	78.90	/	/	74.730	/	/

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
ANT5 U-NII-3	802.11a	19.42	19.23	19.87	16.389	16.391	16.461
	802.11n(HT20)	19.98	19.97	20.17	17.561	17.572	17.611
	802.11n(HT40)	39.75	/	39.65	36.041	/	36.034
	802.11ac(HT20)	19.90	19.76	19.66	17.608	17.611	17.646
	802.11ac(HT40)	39.54	/	39.25	36.067	/	36.032
	802.11ac(HT80)	80.86	/	/	75.679	/	/
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
ANT6 U-NII-3	802.11a	19.37	18.99	19.37	16.377	16.350	16.464
	802.11n(HT20)	19.83	19.83	20.06	17.545	17.559	17.597
	802.11n(HT40)	39.56	/	39.51	35.965	/	36.055
	802.11ac(HT20)	19.89	19.82	19.90	17.564	17.587	17.610
	802.11ac(HT40)	39.92	/	39.76	36.053	/	35.993
	802.11ac(HT80)	80.31	/	/	75.614	/	/
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
ANT7 U-NII-3	802.11a	19.28	19.15	19.48	16.354	16.380	16.445
	802.11n(HT20)	19.75	20.01	19.81	17.555	17.566	17.606

	802.11n(HT40)	40.01	/	39.85	35.988	/	36.029
	802.11ac(HT20)	19.78	19.73	19.90	17.590	17.602	17.614
	802.11ac(HT40)	39.41	/	39.50	36.018	/	36.044
	802.11ac(HT80)	80.01	/	/	75.619	/	/
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
ANT8 U-NII-3	802.11a	19.20	19.03	19.53	16.370	16.391	16.461
	802.11n(HT20)	19.87	19.97	20.42	17.567	17.547	17.627
	802.11n(HT40)	39.22	/	39.84	35.964	/	36.043
	802.11ac(HT20)	19.87	19.79	19.73	17.607	17.592	17.616
	802.11ac(HT40)	39.57	/	39.18	35.977	/	36.033
	802.11ac(HT80)	80.32	/	/	75.616	/	/

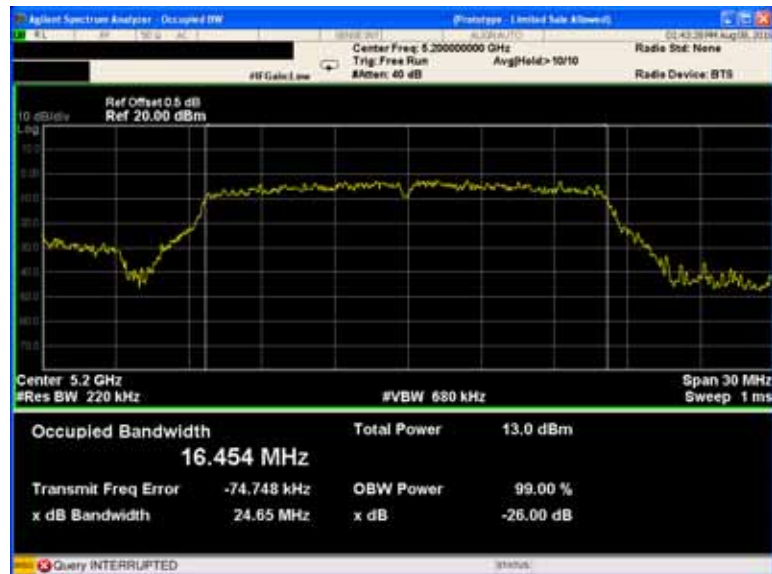
Test result plots shown as follows:

ANT3

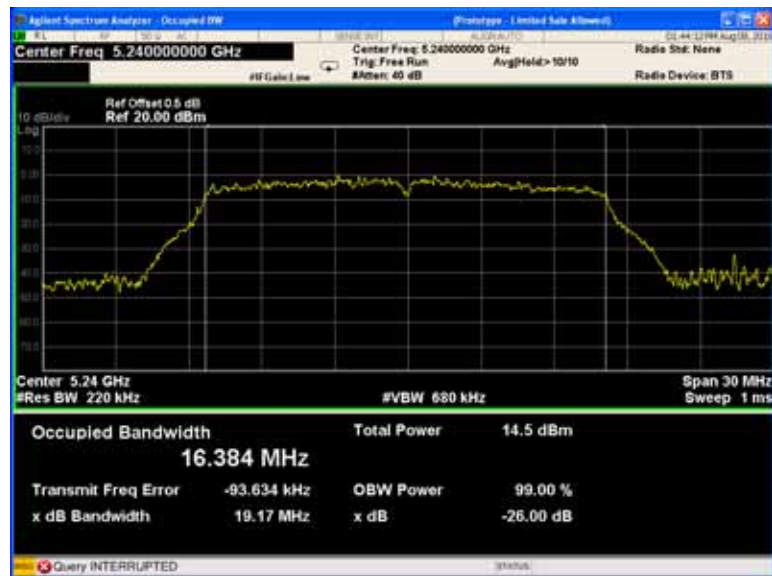
802.11a U-NII-1 Low channel



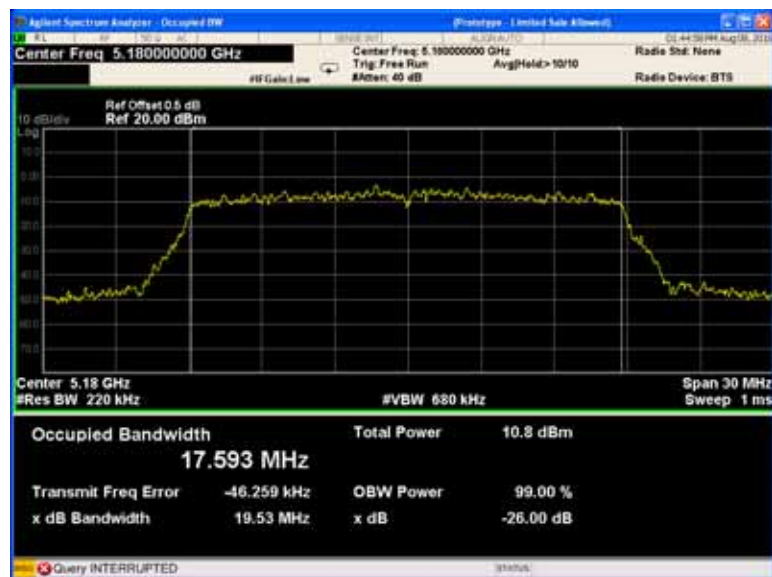
802.11a U-NII-1 Middle channel



802.11a U-NII-1 High channel



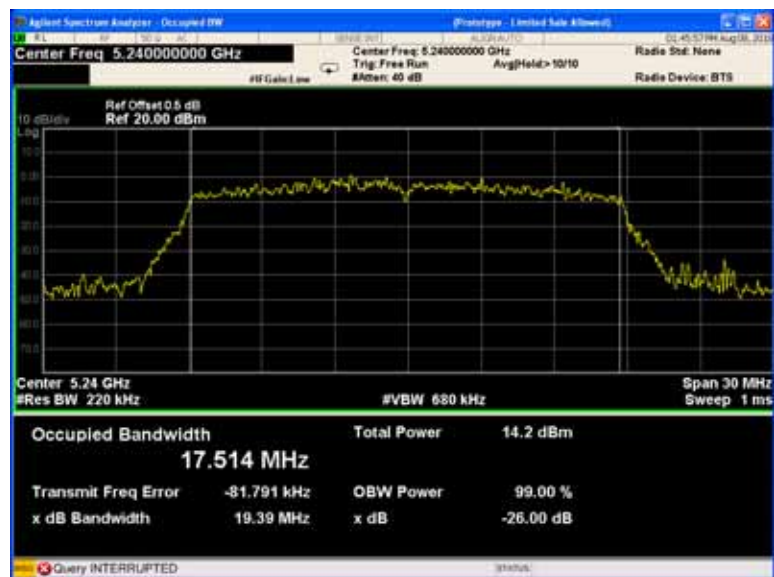
802.11n(HT20) U-NII-1 Low channel



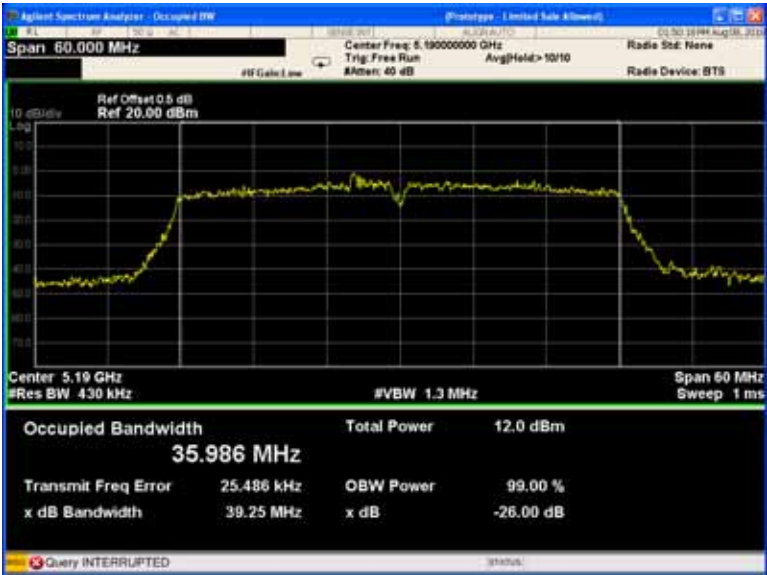
802.11n(HT20) U-NII-1 Middle channel



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



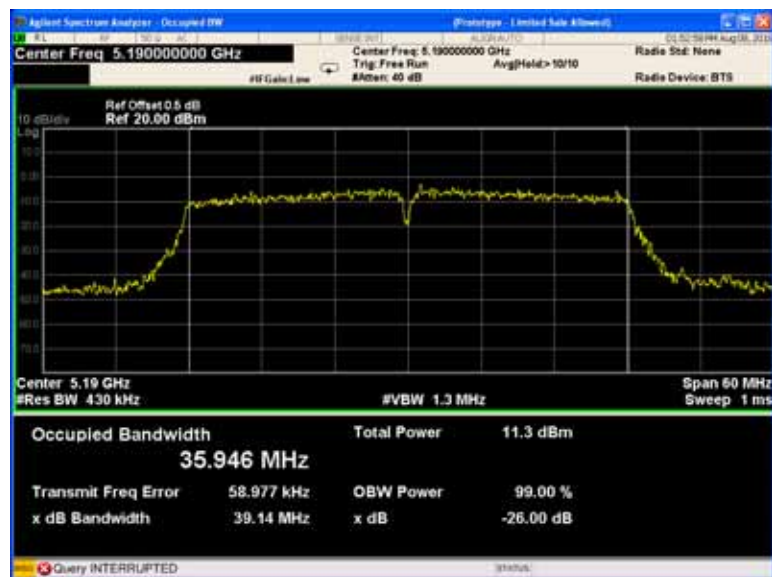
802.11ac(HT20) U-NII-1 Middle channel



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



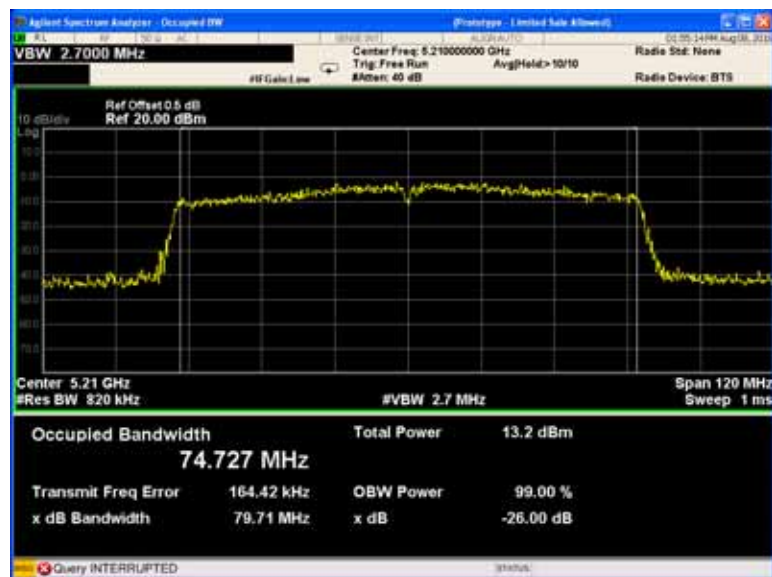
802.11ac(HT40) U-NII-1 Low channel



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



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



ANT4

802.11a U-NII-1 Low channel



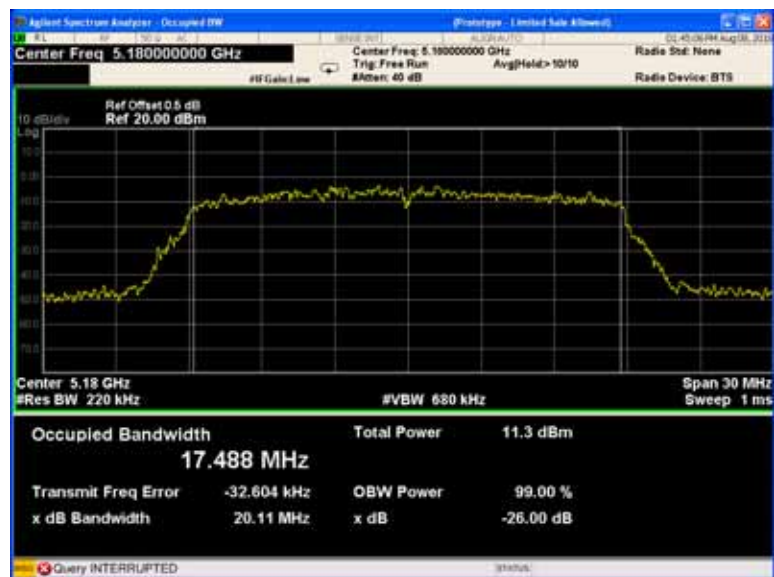
802.11a U-NII-1 Middle channel



802.11a U-NII-1 High channel



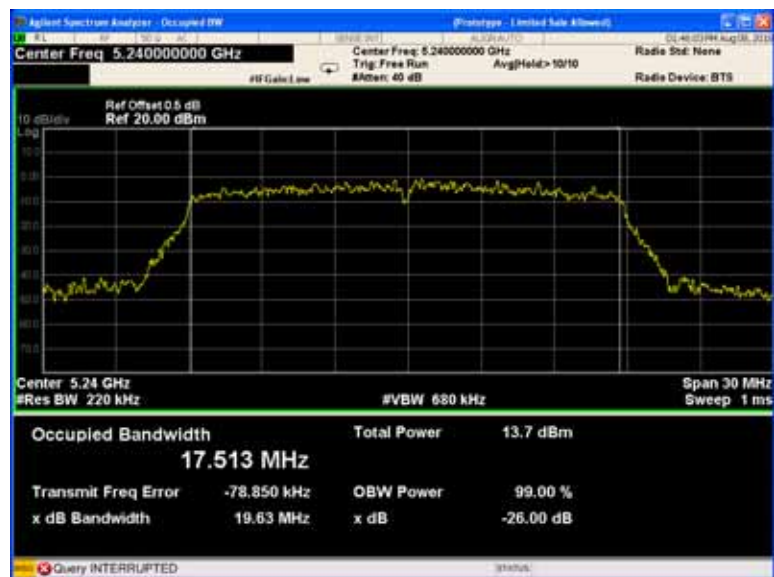
802.11n(HT20) U-NII-1 Low channel



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



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



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



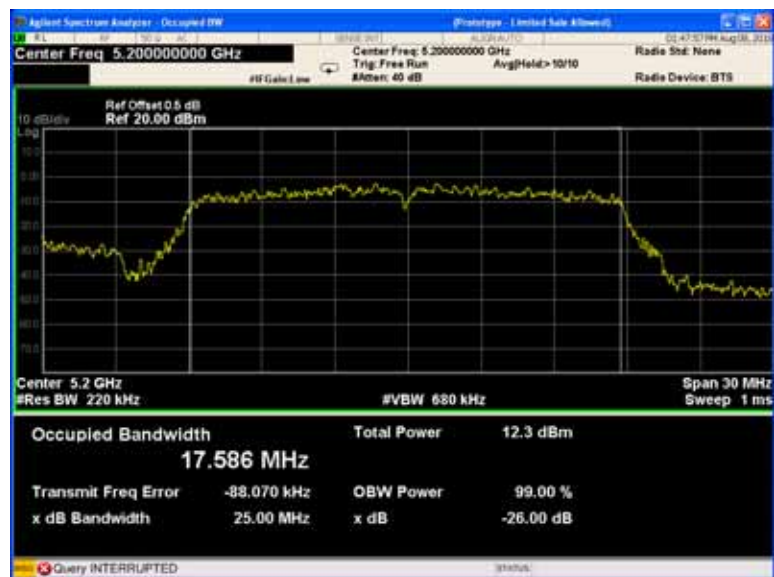
802.11n(HT40) U-NII-1 High channel



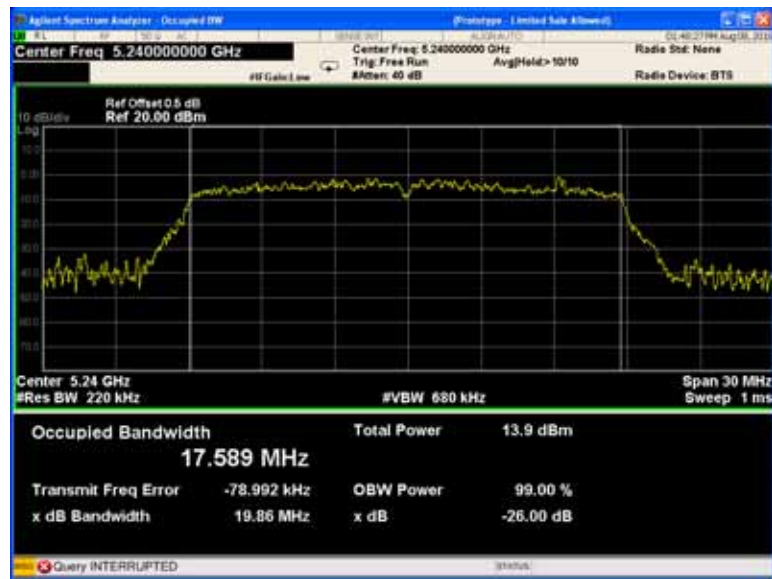
802.11ac(HT20) U-NII-1 Low channel



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

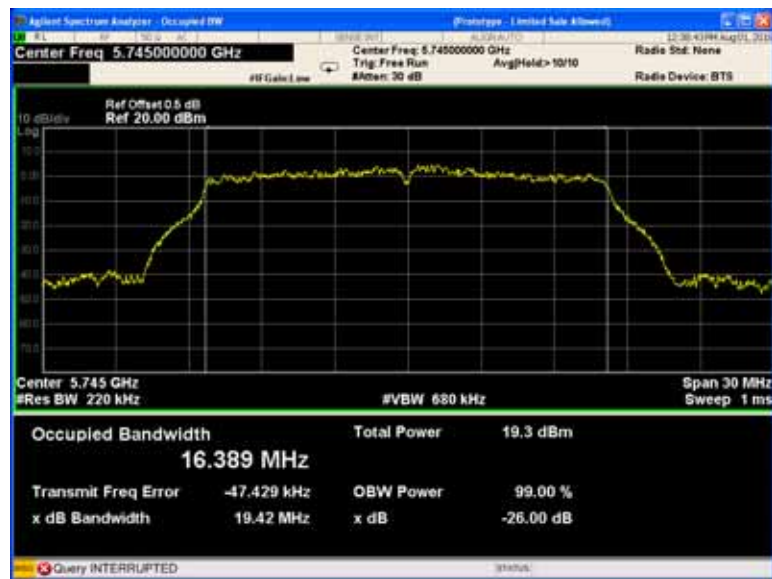


802.11ac(HT80) U-NII-1 Low channel

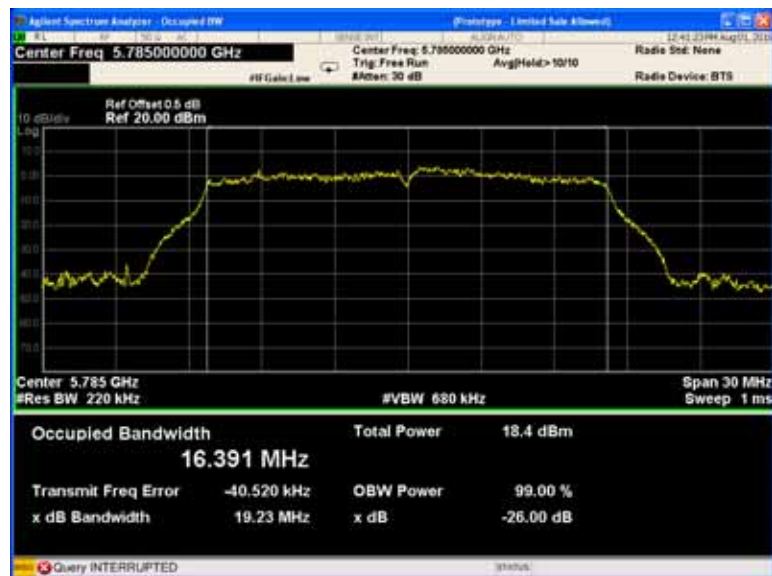


ANT5

802.11a U-NII-3 Low channel



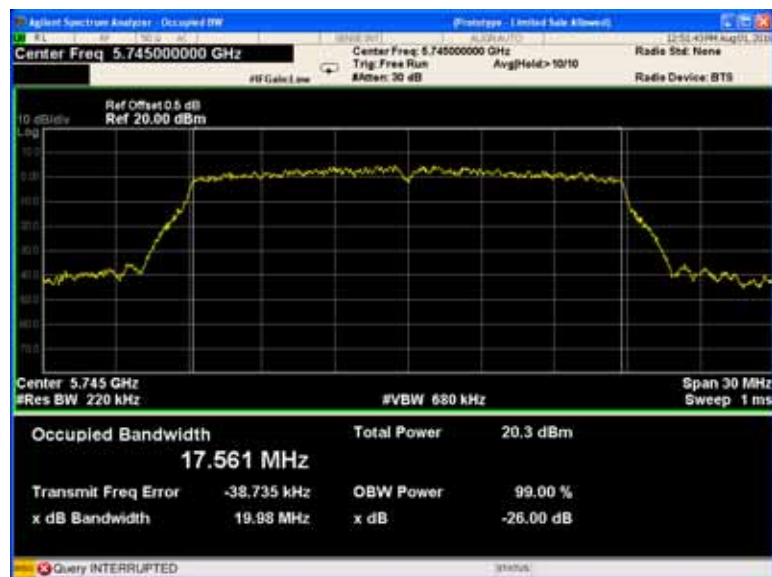
802.11a U-NII-3 Middle channel



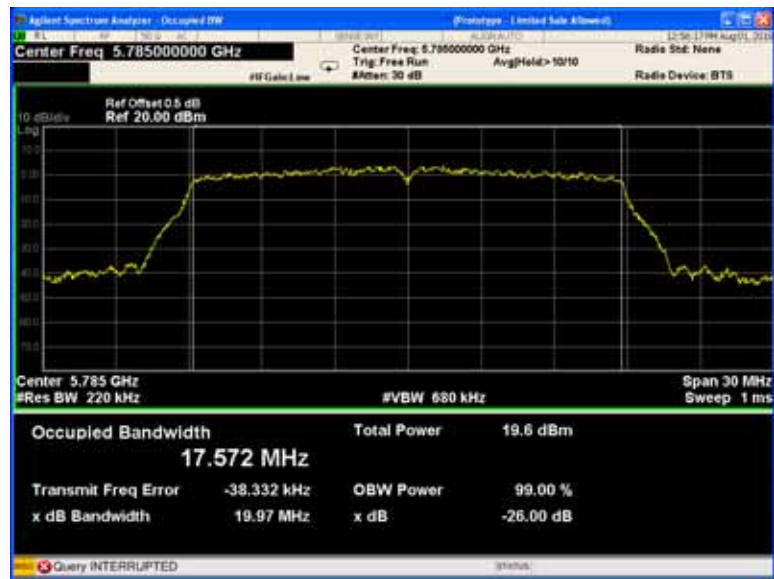
802.11a U-NII-3 High channel



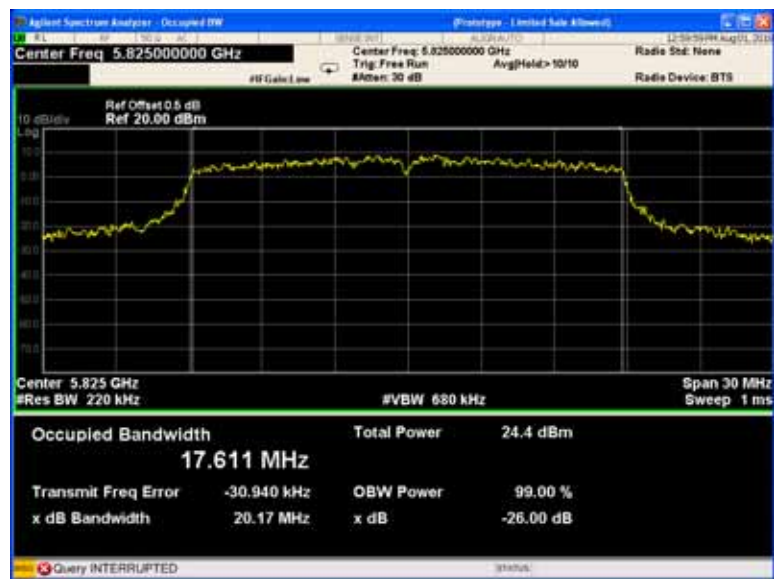
802.11n(HT20) U-NII-3 Low channel



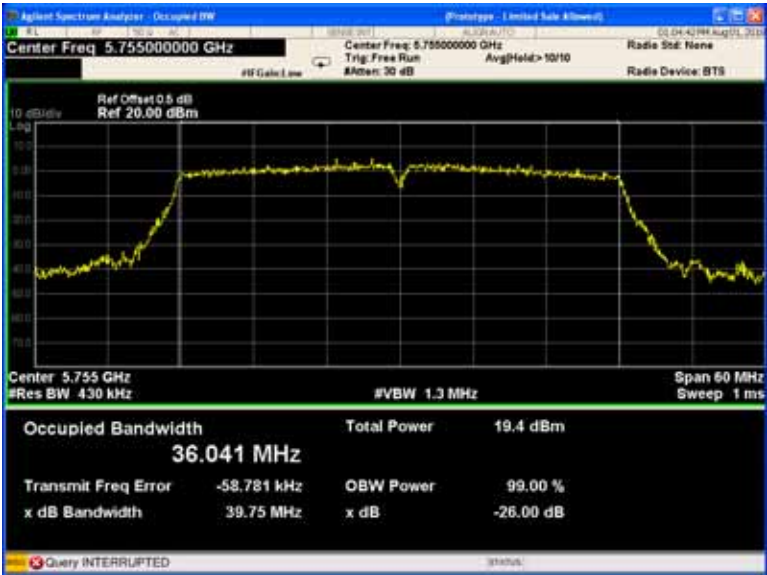
802.11n(HT20) U-NII-3 Middle channel



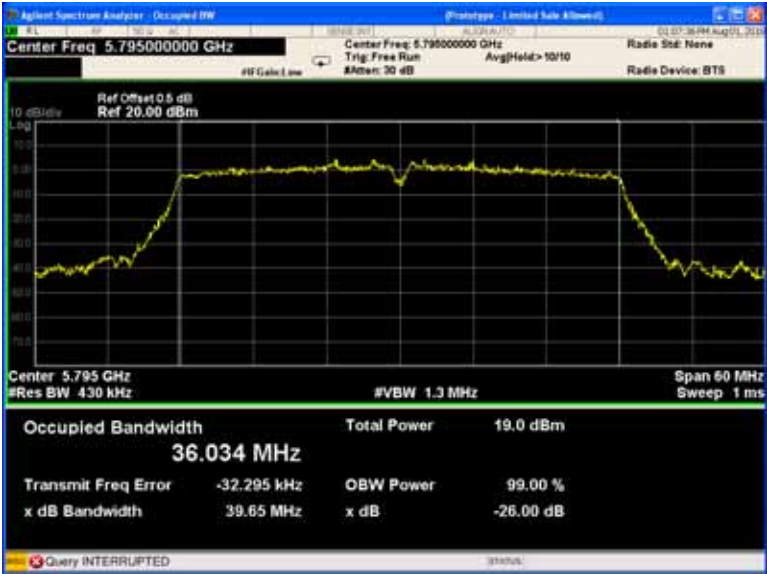
802.11n(HT20) U-NII-3 High channel



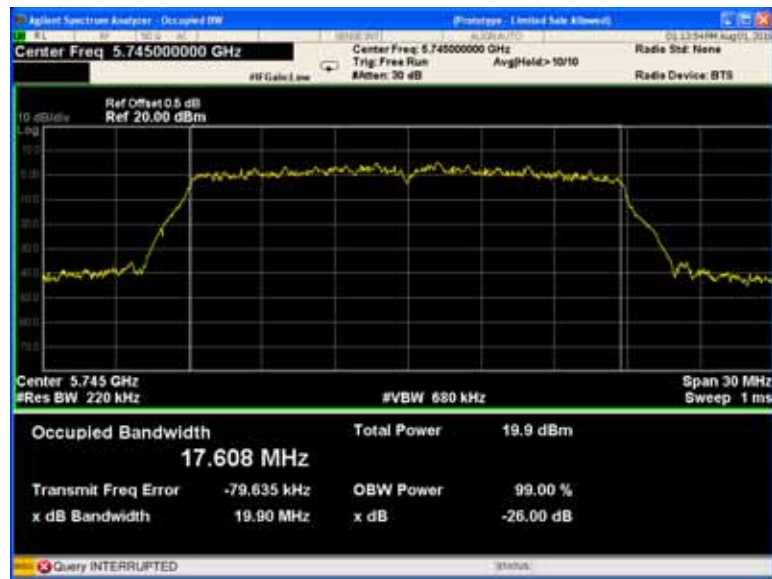
802.11n(HT40) U-NII-3 Low channel



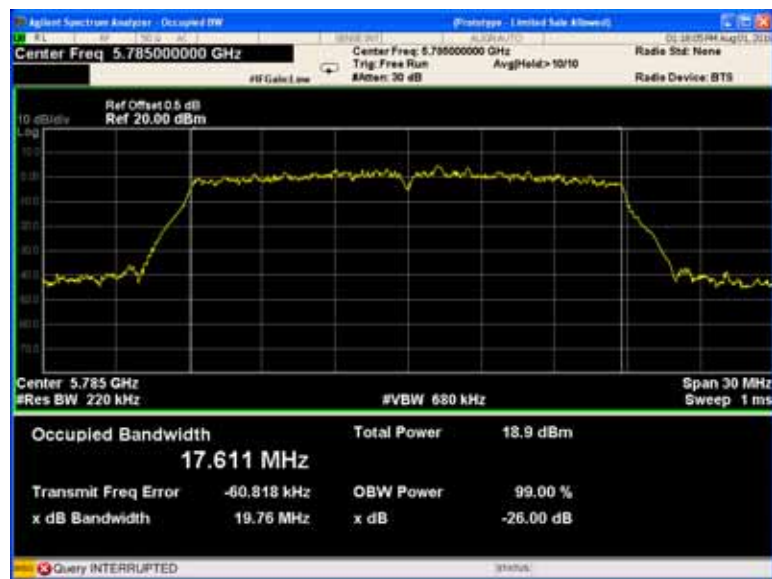
802.11n(HT40) U-NII-3 High channel



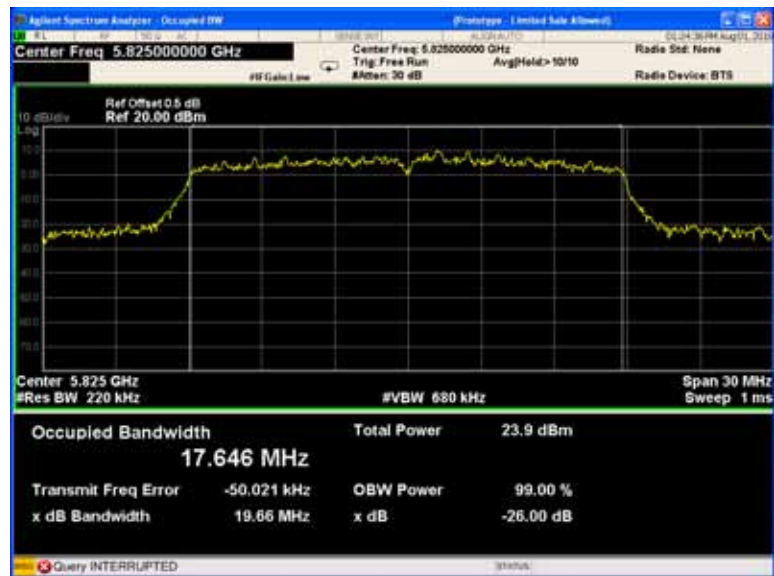
802.11ac(HT20) U-NII-3 Low channel



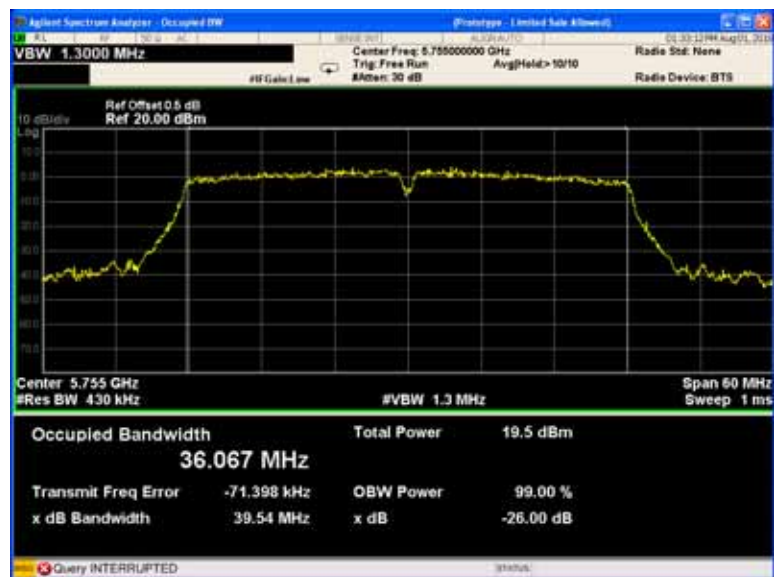
802.11ac(HT20) U-NII-3 Middle channel



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



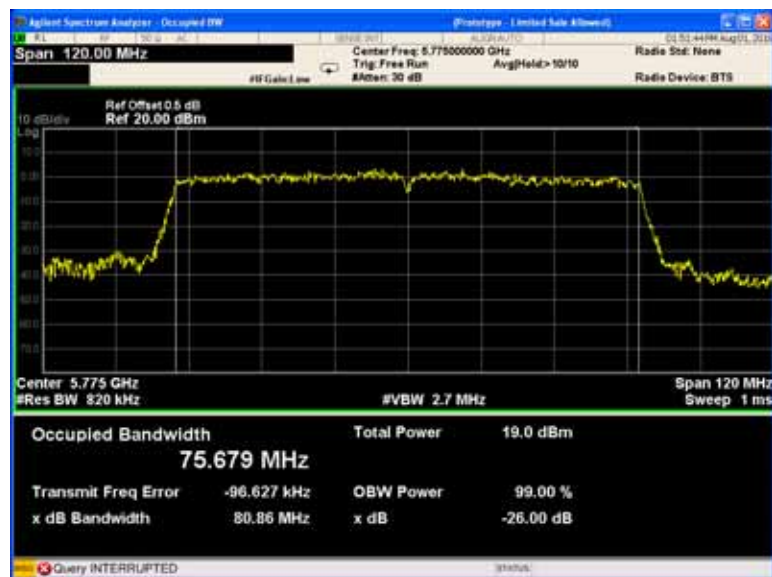
802.11ac(HT40) U-NII-3 Low channel



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



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

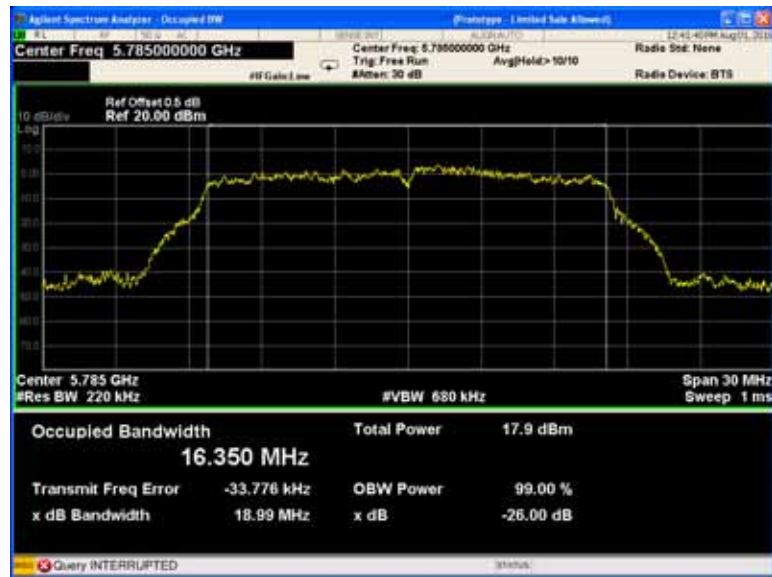


ANT6

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

