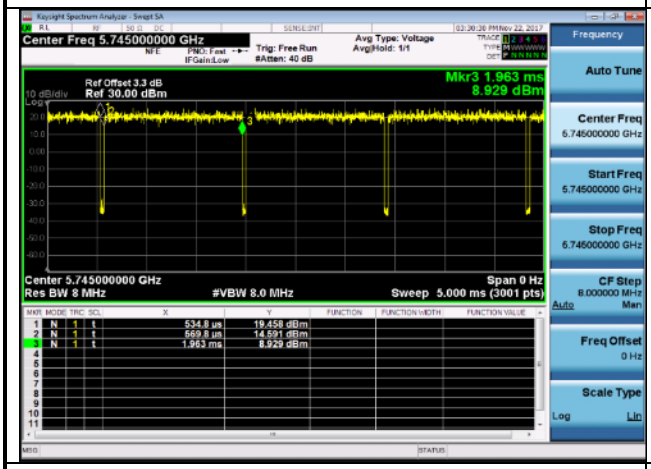
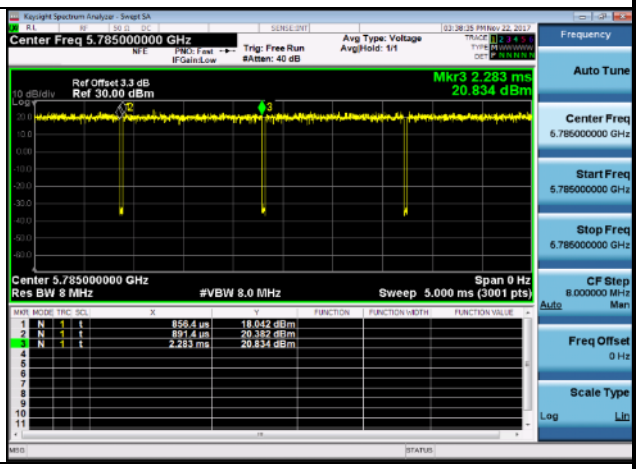
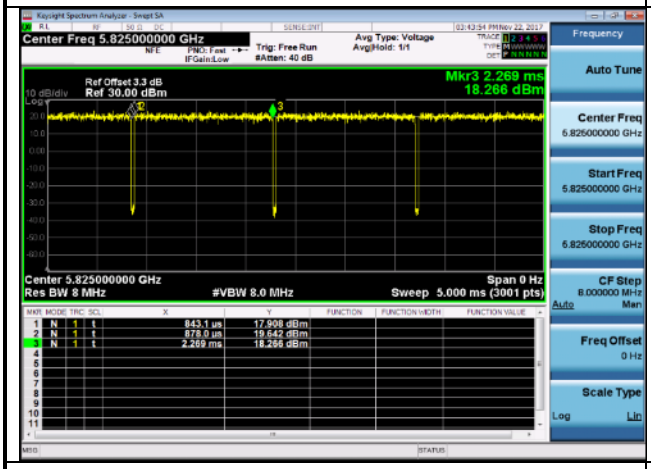
U-NII-3 Duty Cycle：802.11a(20MHz),5745MHz,



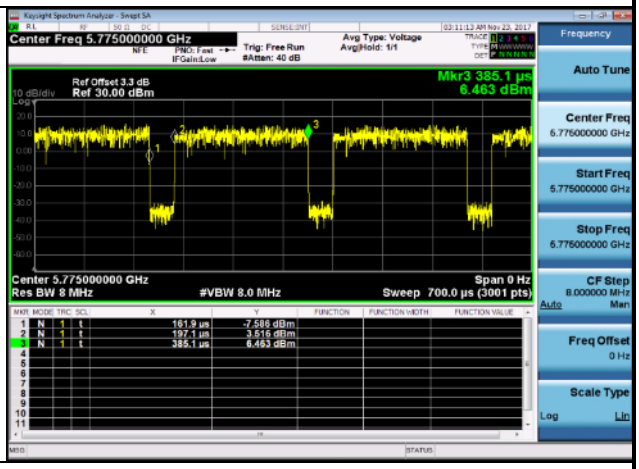
U-NII-3 Duty Cycle：802.11a(20MHz),5785MHz,



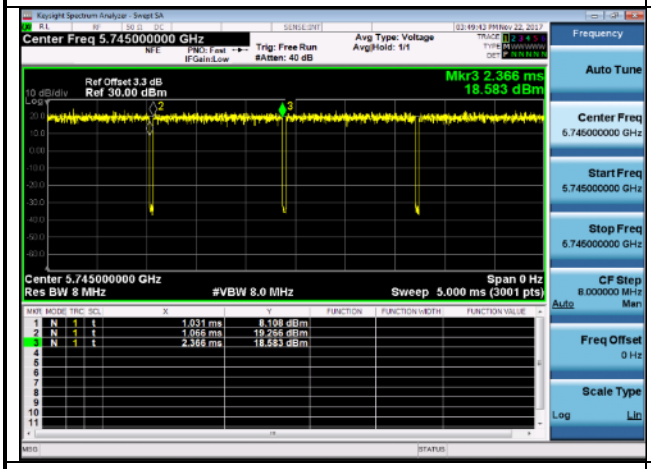
U-NII-3 Duty Cycle：802.11a(20MHz),5825MHz,



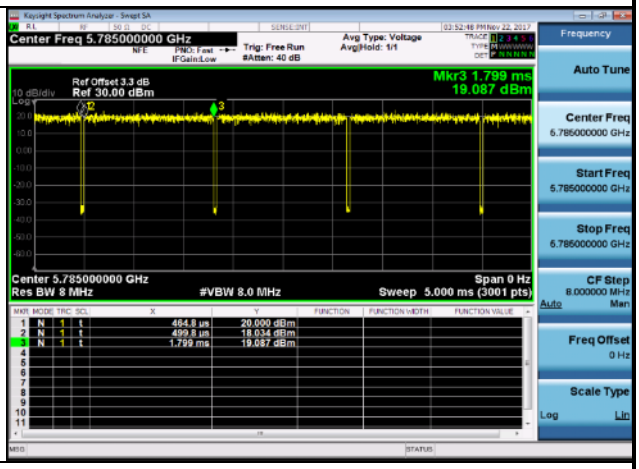
U-NII-3 Duty Cycle：802.11ac(80MHz),5775MHz,



U-NII-3 Duty Cycle：802.11n(20MHz),5745MHz,

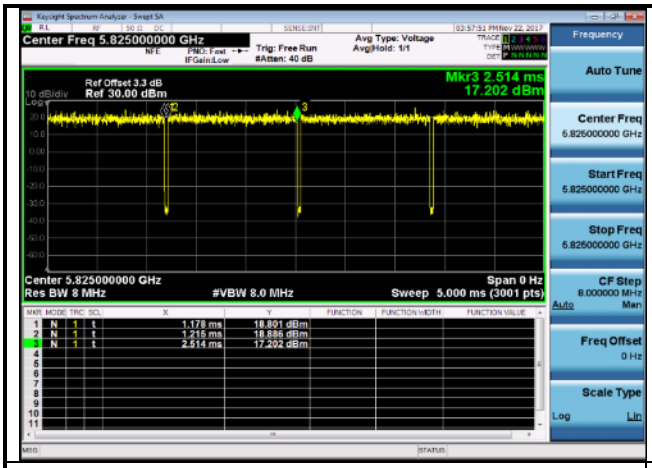


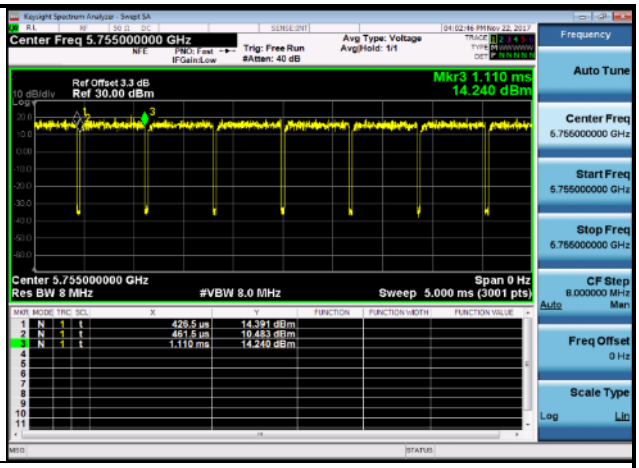
U-NII-3 Duty Cycle：802.11n(20MHz),5785MHz,



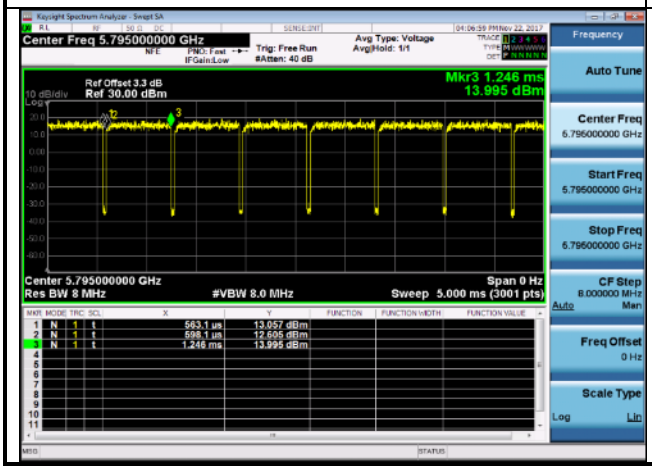
U-NII-3 Duty Cycle：802.11n(20MHz),5825MHz,

U-NII-3 Duty Cycle：802.11n(40MHz),5755MHz,



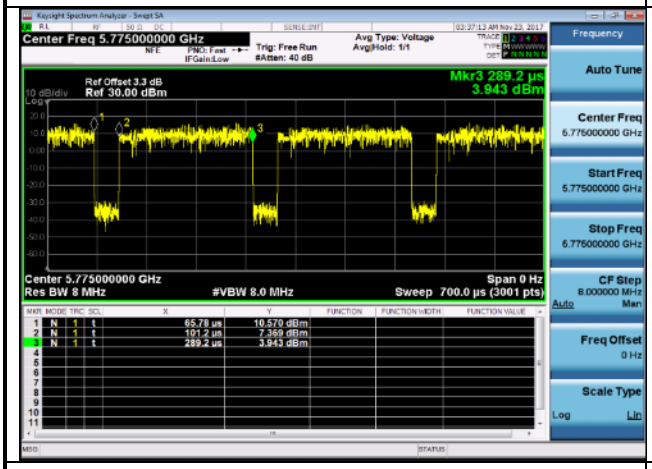


U-NII-3 Duty Cycle：802.11n(40MHz),5795MHz,

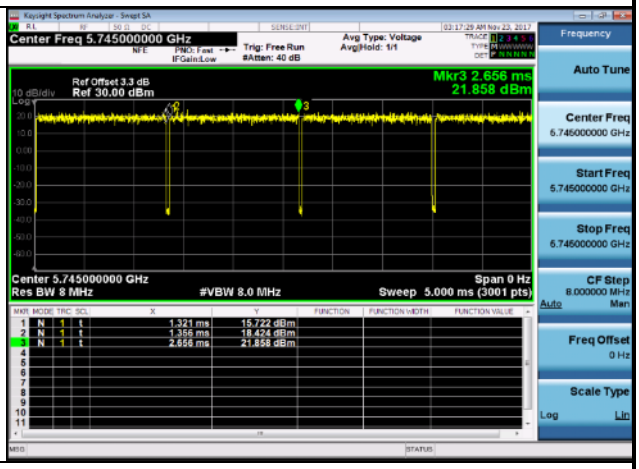


ANT 0:

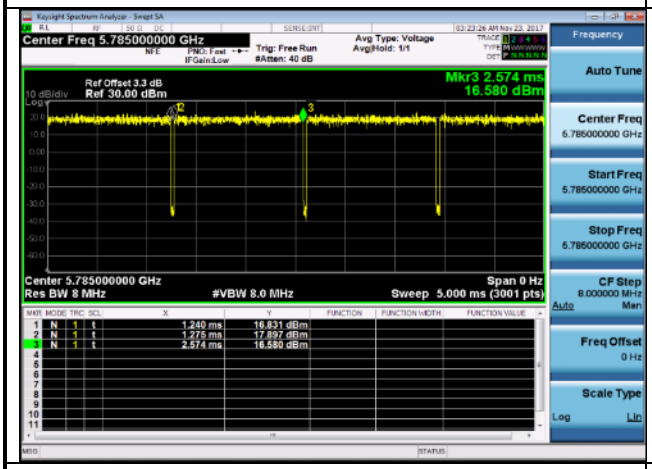
U-NII-3 Duty Cycle：802.11ac(80MHz),5775MHz,



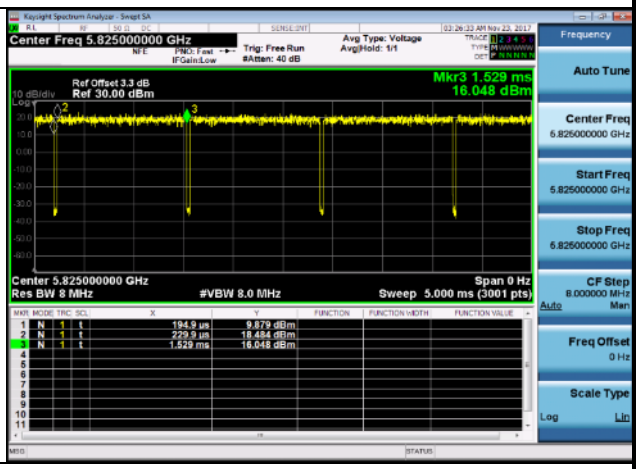
U-NII-3 Duty Cycle：802.11n(20MHz),5745MHz,



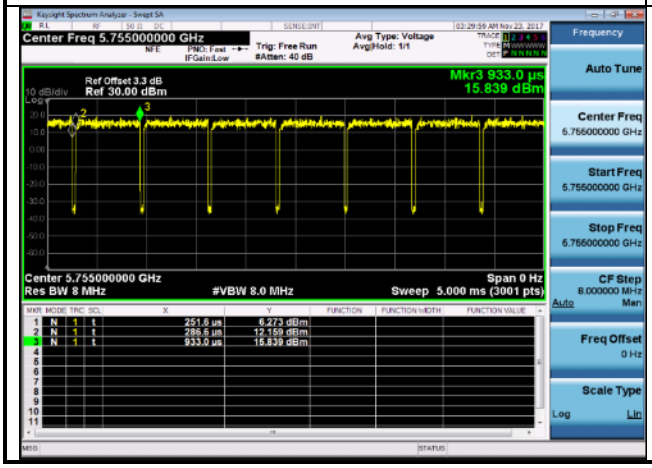
U-NII-3 Duty Cycle：802.11n(20MHz),5785MHz,



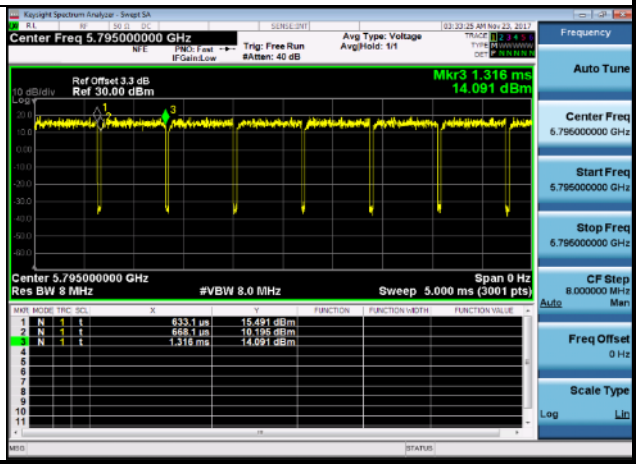
U-NII-3 Duty Cycle：802.11n(20MHz),5825MHz,



U-NII-3 Duty Cycle：802.11n(40MHz),5755MHz,



U-NII-3 Duty Cycle：802.11n(40MHz),5795MHz,



17. 26 dB bandwidth

17.1 Test Data

ANT 1:

U-NII-3 26 dB Bandwidth			
Mode	Test Frequency(MHz)	26dB Bandwidth(MHz)	Result
802.11n(20MHz)	5745	11.73	-
802.11n(20MHz)	5785	17.56	-
802.11n(20MHz)	5825	14.23	-
802.11n(40MHz)	5755	35.03	-
802.11n(40MHz)	5795	35.17	-
802.11ac(80MHz)	5775	76.37	-
802.11a(20MHz)	5745	15.80	-
802.11a(20MHz)	5785	16.32	-
802.11a(20MHz)	5825	15.14	-

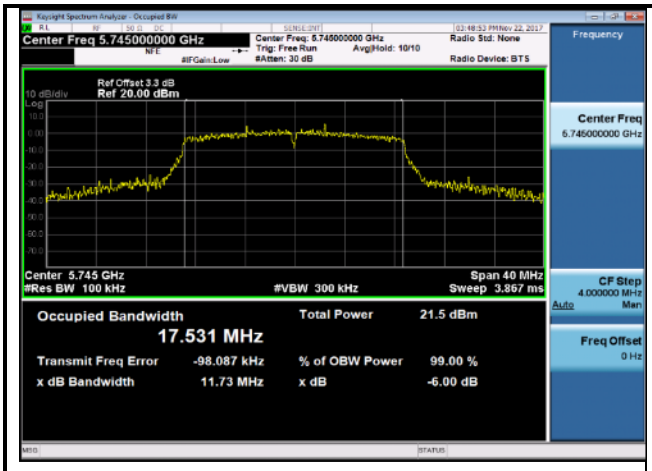
ANT 0:

U-NII-3 26 dB Bandwidth			
Mode	Test Frequency(MHz)	26dB Bandwidth(MHz)	Result
802.11n(20MHz)	5745	12.42	-
802.11n(20MHz)	5785	15.05	-
802.11n(20MHz)	5825	14.78	-
802.11n(40MHz)	5755	35.02	-
802.11n(40MHz)	5795	32.61	-
802.11ac(80MHz)	5775	75.50	-

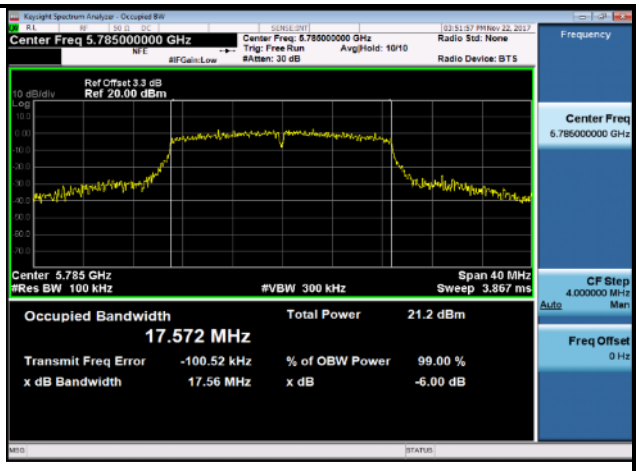
17.2 Test Plots

ANT 1:

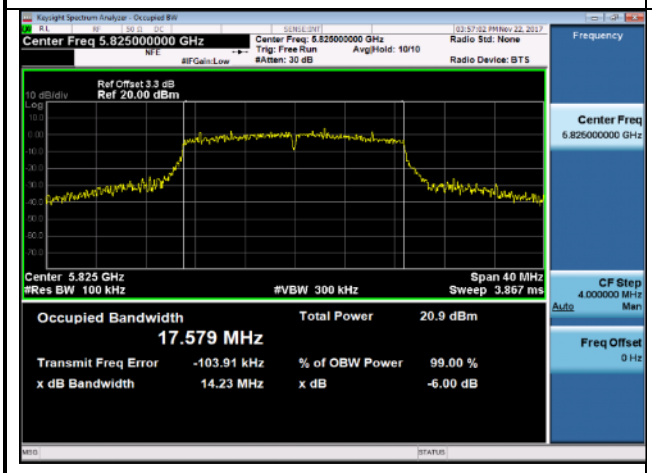
U-NII-3 6dB Bandwidth： 802.11a(20MHz),5745MHz,	U-NII-3 6dB Bandwidth： 802.11a(20MHz),5785MHz,
U-NII-3 6dB Bandwidth： 802.11a(20MHz),5825MHz,	U-NII-3 6dB Bandwidth： 802.11ac(80MHz),5775MHz,
U-NII-3 6dB Bandwidth： 802.11n(20MHz),5745MHz,	U-NII-3 6dB Bandwidth： 802.11n(20MHz),5785MHz,

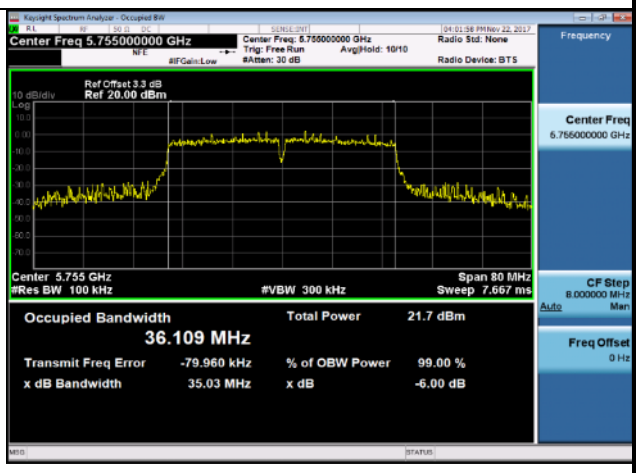


U-NII-3 6dB Bandwidth：
802.11n(20MHz),5825MHz,

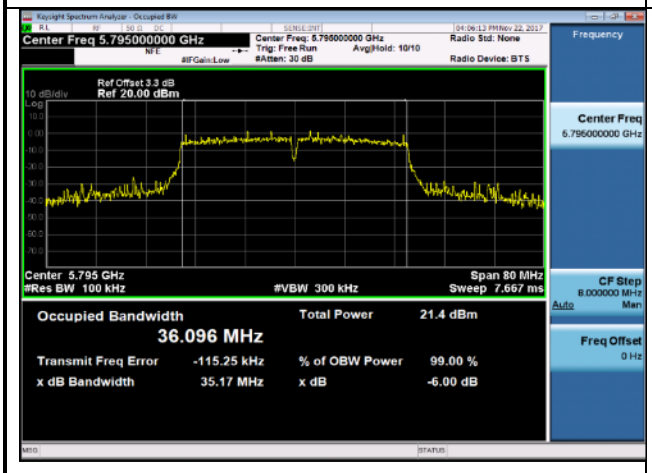


U-NII-3 6dB Bandwidth：
802.11n(40MHz),5755MHz,

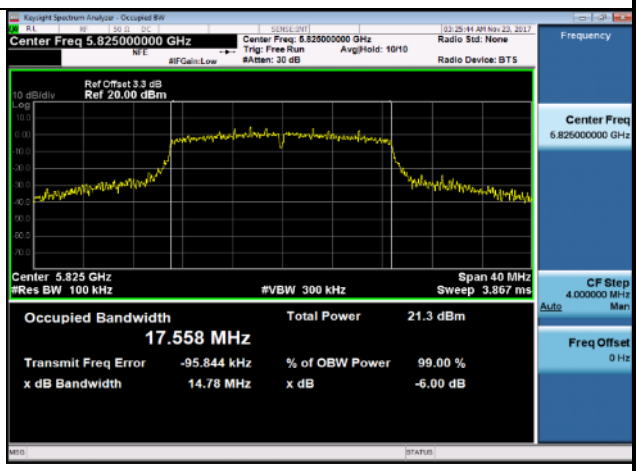


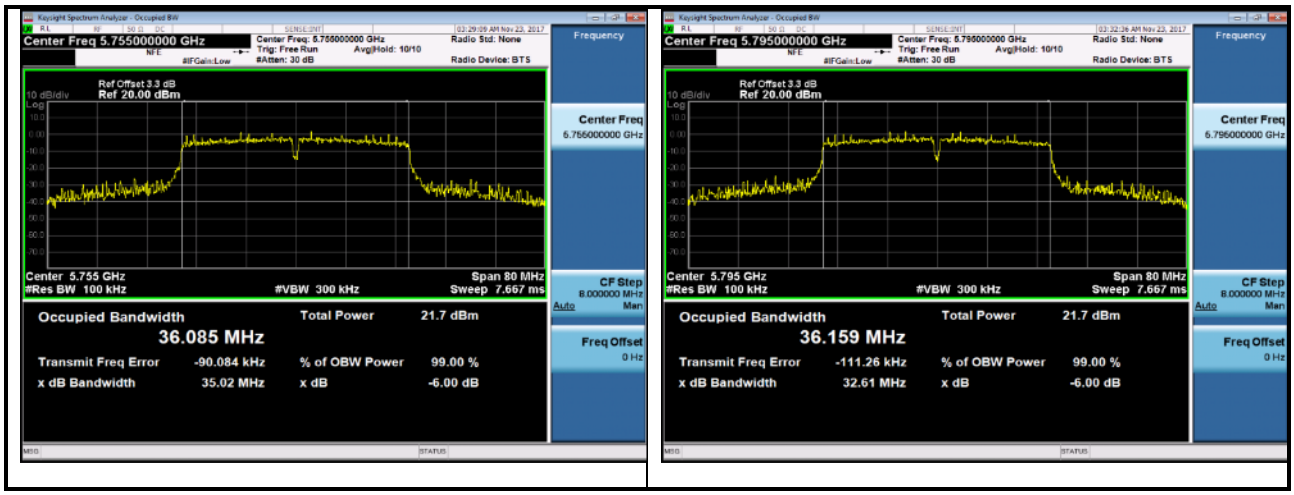


U-NII-3 6dB Bandwidth：
802.11n(40MHz),5795MHz,



ANT 0:

U-NII-3 6dB Bandwidth： 802.11ac(80MHz),5775MHz,	U-NII-3 6dB Bandwidth： 802.11n(20MHz),5745MHz,
U-NII-3 6dB Bandwidth： 802.11n(20MHz),5785MHz,	U-NII-3 6dB Bandwidth： 802.11n(20MHz),5825MHz,
	
U-NII-3 6dB Bandwidth： 802.11n(40MHz),5755MHz,	U-NII-3 6dB Bandwidth： 802.11n(40MHz),5795MHz,


Center Freq 5.755000000 GHz
Center Freq: 5.755000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 3.3 dB
10 dB/div
Ref 20.00 dBm
Center Freq
5.755000000 GHz
Center 5.755 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 7.667 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.085 MHz
Total Power
21.7 dBm
Transmit Freq Error
-90.084 kHz
% of OBW Power
99.00 %
x dB Bandwidth
35.02 MHz
x dB
-6.00 dB
Freq Offset
0 Hz
Center Freq 5.795000000 GHz
Center Freq: 5.795000000 GHz
Trig: Free Run
Avg|Hold: 10/10
#Atten: 30 dB
Radio Std: None
Radio Device: BTS
Frequency
Ref Offset 3.3 dB
10 dB/div
Ref 20.00 dBm
Center Freq
5.795000000 GHz
Center 5.795 GHz
#Res BW 100 kHz
#VBW 300 kHz
Span 80 MHz
Sweep 7.667 ms
CF Step
8.000000 MHz
Auto
Man
Occupied Bandwidth
36.159 MHz
Total Power
21.7 dBm
Transmit Freq Error
-111.26 kHz
% of OBW Power
99.00 %
x dB Bandwidth
32.61 MHz
x dB
-6.00 dB
Freq Offset
0 Hz

18. 99% Occupied Bandwidth

18.1 Test Data

ANT 1:

U-NII-3 99% Occupied Bandwidth			
Mode	Test Frequency(MHz)	99% Occupy Bandwidth(MHz)	Result
802.11n(20MHz)	5745	17.739	Pass
802.11n(20MHz)	5785	17.707	Pass
802.11n(20MHz)	5825	17.753	Pass
802.11n(40MHz)	5755	36.537	Pass
802.11n(40MHz)	5795	36.511	Pass
802.11ac(80MHz)	5775	75.876	Pass
802.11a(20MHz)	5745	16.786	Pass
802.11a(20MHz)	5785	16.756	Pass
802.11a(20MHz)	5825	16.756	Pass

ANT 0:

U-NII-3 99% Occupied Bandwidth			
Mode	Test Frequency(MHz)	99% Occupy Bandwidth(MHz)	Result
802.11n(20MHz)	5745	17.755	Pass
802.11n(20MHz)	5785	17.733	Pass
802.11n(20MHz)	5825	17.79	Pass
802.11n(40MHz)	5755	36.456	Pass
802.11n(40MHz)	5795	36.515	Pass
802.11ac(80MHz)	5775	75.978	Pass

18.2 Test Plots

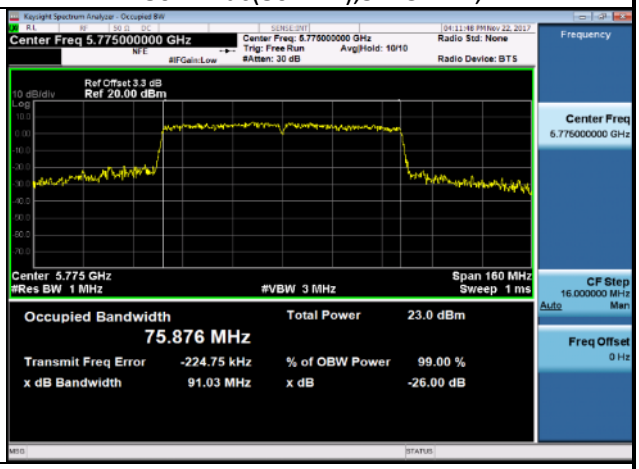
ANT 1:

U-NII-3 99% Bandwidth：
802.11a(20MHz),5745MHz,

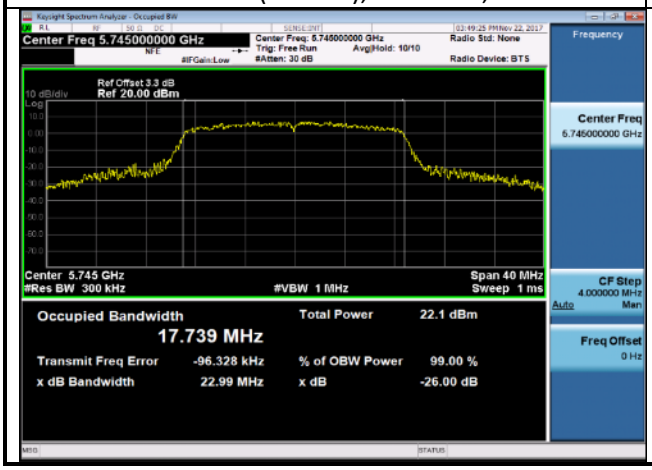
U-NII-3 99% Bandwidth：
802.11a(20MHz),5785MHz,

U-NII-3 99% Bandwidth：
802.11a(20MHz),5825MHz,

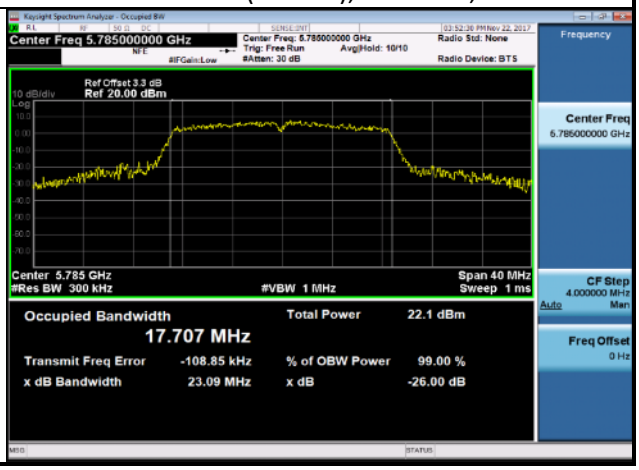
U-NII-3 99% Bandwidth：
802.11ac(80MHz),5775MHz,

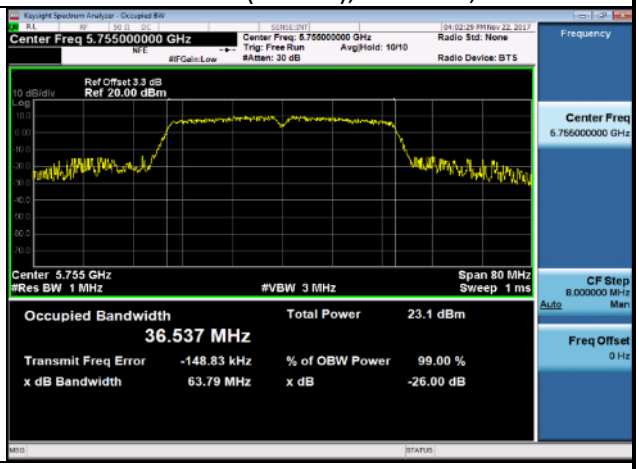
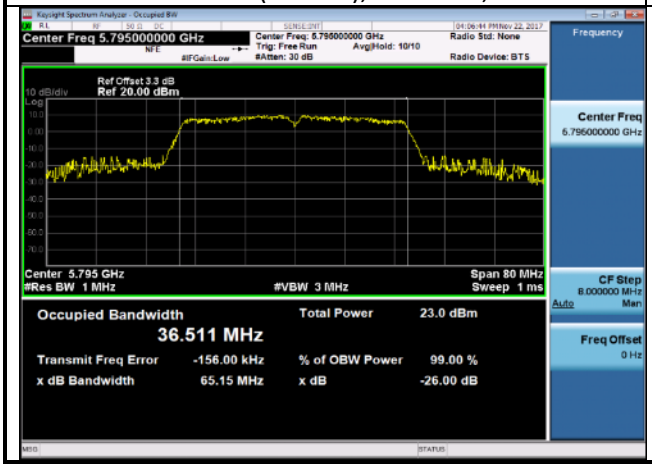


U-NII-3 99% Bandwidth：
802.11n(20MHz),5745MHz,



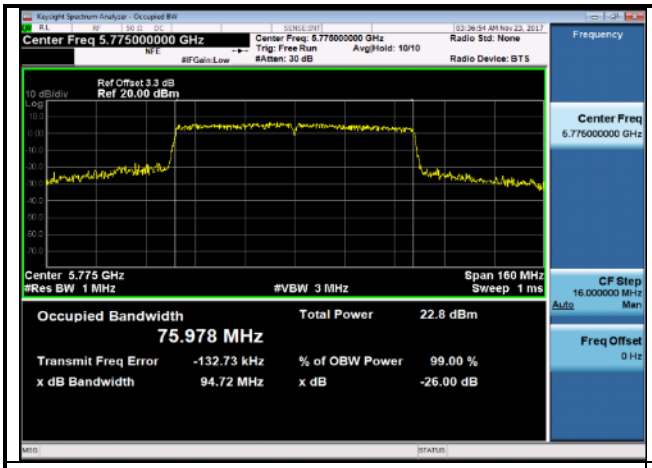
U-NII-3 99% Bandwidth：
802.11n(20MHz),5785MHz,



U-NII-3 99% Bandwidth： 802.11n(20MHz),5825MHz,	U-NII-3 99% Bandwidth： 802.11n(40MHz),5755MHz,
	
U-NII-3 99% Bandwidth： 802.11n(40MHz),5795MHz,	
	

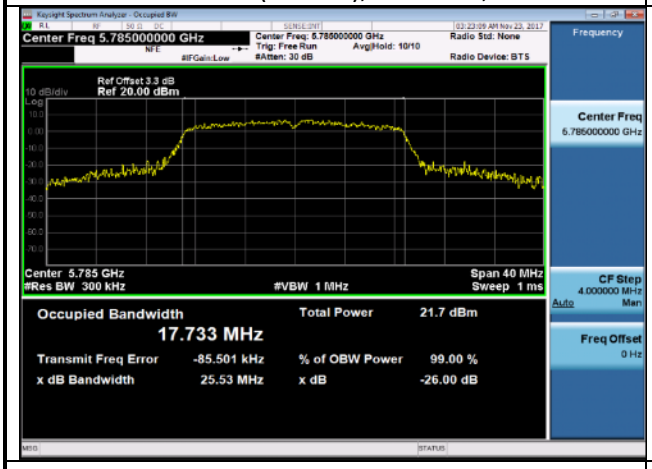
ANT 0:

U-NII-3 99% Bandwidth： 802.11ac(80MHz),5775MHz,	U-NII-3 99% Bandwidth： 802.11n(20MHz),5745MHz,

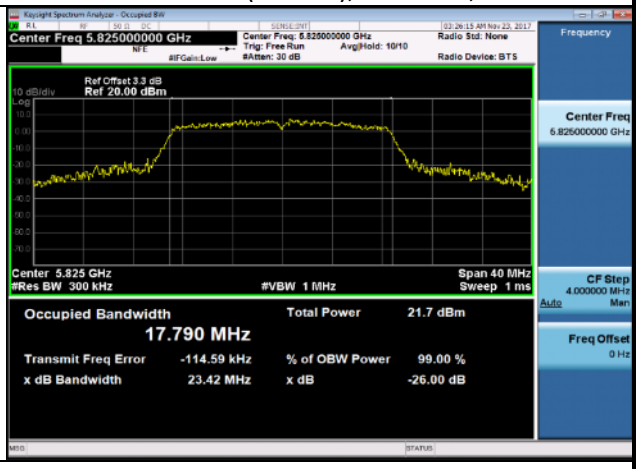


U-NII-3 99% Bandwidth：
802.11n(20MHz),5785MHz,

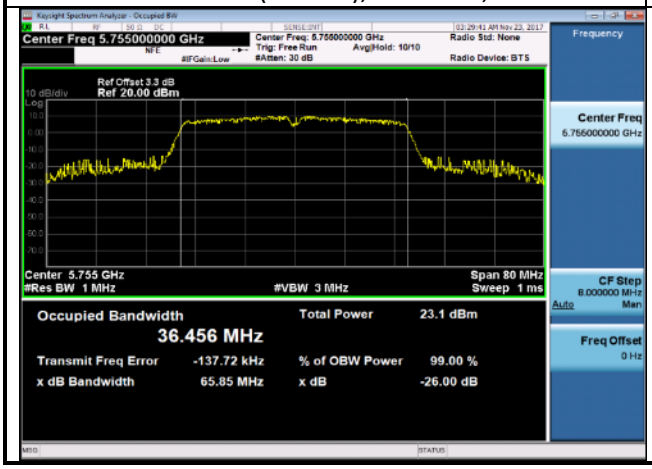
U-NII-3 99% Bandwidth：
802.11n(20MHz),5825MHz,

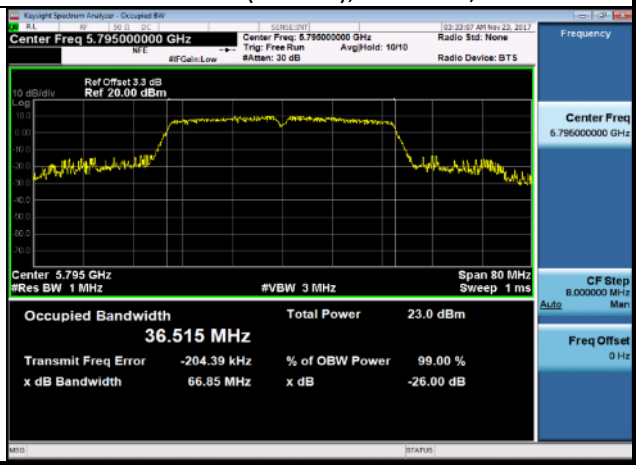


U-NII-3 99% Bandwidth：
802.11n(40MHz),5755MHz,



U-NII-3 99% Bandwidth：
802.11n(40MHz),5795MHz,





19. Maximum conducted output power and e.i.r.p

19.1 Test Data

ANT 1:

U-NII-3 AVGSA Output Power						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Max Power (dBm)	Limit (dBm)	Result
802.11n(20MHz)	5745	Ant1	97.38	15.97	-	-
802.11n(20MHz)	5785	Ant1	97.38	15.77	-	-
802.11n(20MHz)	5825	Ant1	97.26	15.80	-	-
802.11n(40MHz)	5755	Ant1	94.88	16.12	-	-
802.11n(40MHz)	5795	Ant1	94.88	15.99	-	-
802.11ac(80MHz)	5775	Ant1	84.22	15.06	-	-
802.11a(20MHz)	5745	Ant1	97.55	17.08	30	Pass
802.11a(20MHz)	5785	Ant1	97.55	16.92	30	Pass
802.11a(20MHz)	5825	Ant1	97.55	17.05	30	Pass

ANT 0:

U-NII-3 AVGSA Output Power						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	Max Power (dBm)	Limit (dBm)	Result
802.11n(20MHz)	5745	Ant0	97.38	15.84	-	-
802.11n(20MHz)	5785	Ant0	97.38	15.74	-	-
802.11n(20MHz)	5825	Ant0	97.38	15.55	-	-
802.11n(40MHz)	5755	Ant0	94.87	16.01	-	-
802.11n(40MHz)	5795	Ant0	94.88	16.02	-	-
802.11ac(80MHz)	5775	Ant0	84.13	14.78	-	-

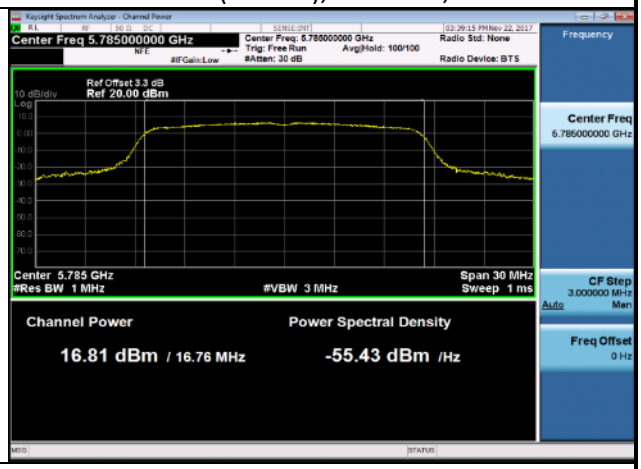
MIMO mode:

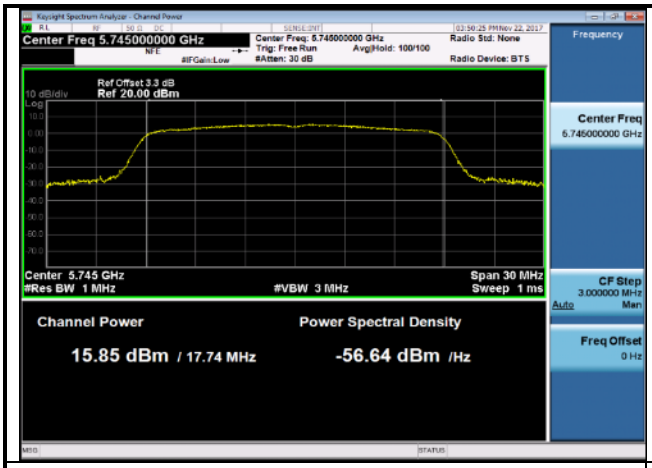
U-NII-3 AVGSA Output Power					
Mode	Test Frequency (MHz)	Ant	Max Power (dBm)	Limit (dBm)	Result
802.11n(20MHz)	5745	0+1	18.92	30	Pass
802.11n(20MHz)	5785	0+1	18.77	30	Pass

802.11n(20MHz)	5825	0+1	18.69	30	Pass
802.11n(40MHz)	5755	0+1	19.08	30	Pass
802.11n(40MHz)	5795	0+1	19.02	30	Pass
802.11ac(80MHz)	5775	0+1	17.93	30	Pass

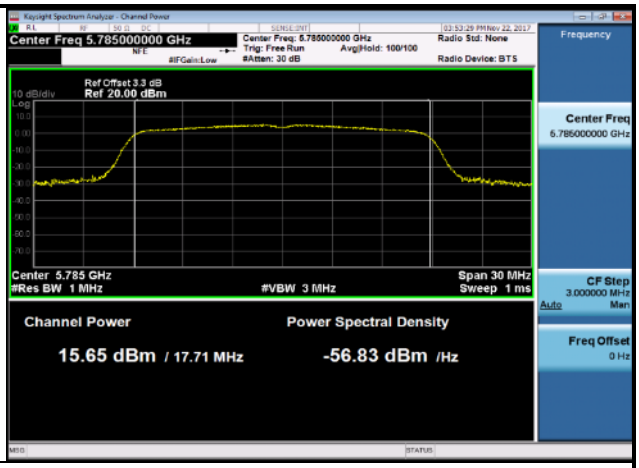
19.2 Test Plots

ANT 1:

U-NII-3 Output Power： 802.11a(20MHz),5745MHz,Ant1	U-NII-3 Output Power： 802.11a(20MHz),5785MHz,Ant1
	
U-NII-3 Output Power： 802.11a(20MHz),5825MHz,Ant1	U-NII-3 Output Power： 802.11ac(80MHz),5775MHz,Ant1
U-NII-3 Output Power： 802.11n(20MHz),5745MHz,Ant1	U-NII-3 Output Power： 802.11n(20MHz),5785MHz,Ant1

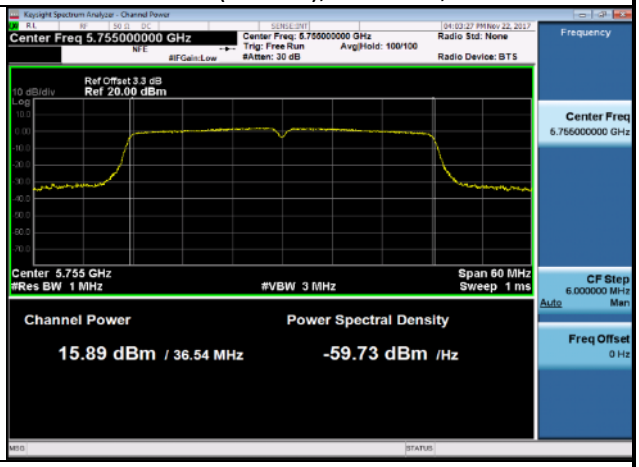


U-NII-3 Output Power：
802.11n(20MHz),5825MHz,Ant1

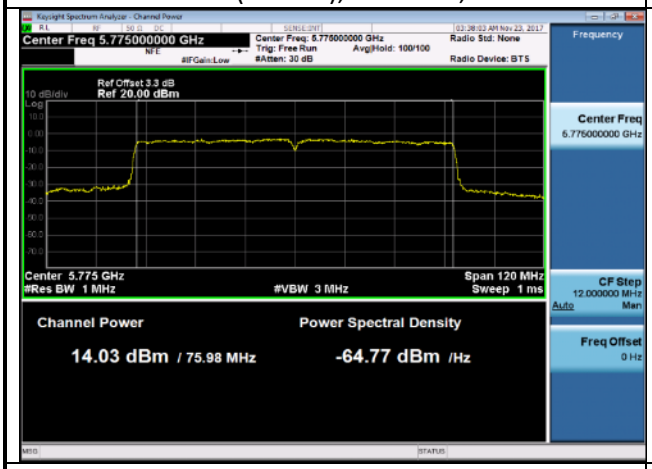
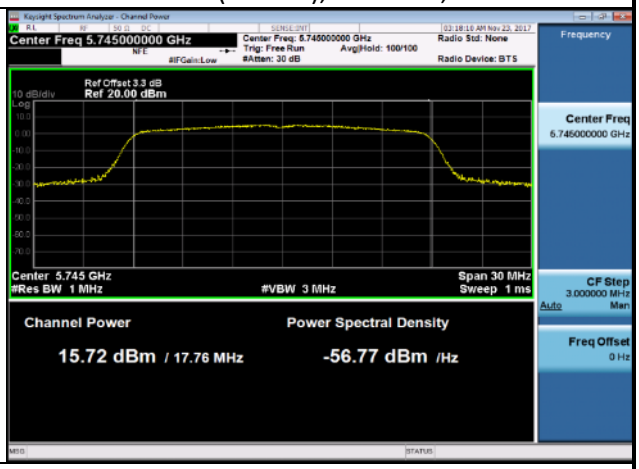
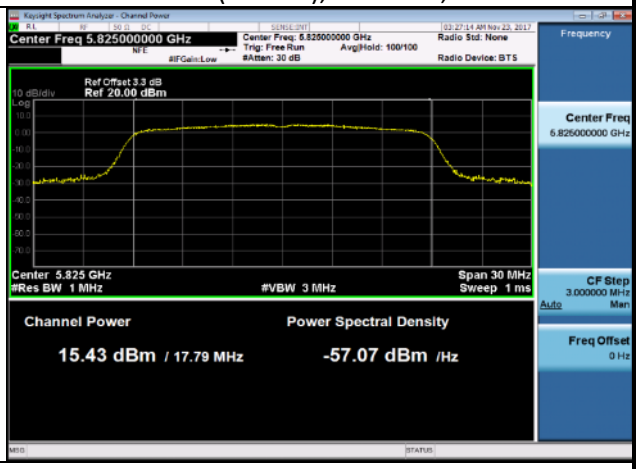
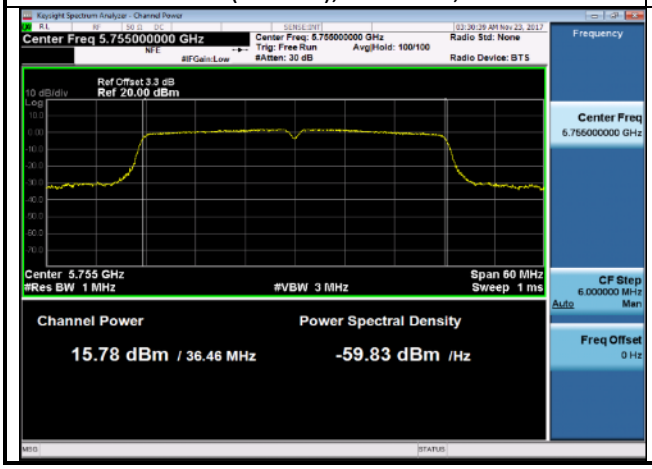


U-NII-3 Output Power：
802.11n(40MHz),5755MHz,Ant1

U-NII-3 Output Power：
802.11n(40MHz),5795MHz,Ant1



ANT 0:

U-NII-3 Output Power： 802.11ac(80MHz),5775MHz,Ant1	U-NII-3 Output Power： 802.11n(20MHz),5745MHz,Ant1
	
U-NII-3 Output Power： 802.11n(20MHz),5785MHz,Ant1	U-NII-3 Output Power： 802.11n(20MHz),5825MHz,Ant1
	
U-NII-3 Output Power： 802.11n(40MHz),5755MHz,Ant1	U-NII-3 Output Power： 802.11n(40MHz),5795MHz,Ant1
	

20. Power spectral density

20.1 Test Data

ANT 1:

U-NII-3 AVGSA Power Spectral Density						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
802.11n(20MHz)	5745	Ant1	97.38	3.35	30	Pass
802.11n(20MHz)	5785	Ant1	97.38	2.68	30	Pass
802.11n(20MHz)	5825	Ant1	97.26	3.05	30	Pass
802.11n(40MHz)	5755	Ant1	94.88	-0.26	30	Pass
802.11n(40MHz)	5795	Ant1	94.88	-0.46	30	Pass
802.11ac(80MHz)	5775	Ant1	84.22	-3.99	30	Pass
802.11a(20MHz)	5745	Ant1	97.55	4.27	30	Pass
802.11a(20MHz)	5785	Ant1	97.55	4.33	30	Pass
802.11a(20MHz)	5825	Ant1	97.55	4.48	30	Pass

ANT 0:

U-NII-3 AVGSA Power Spectral Density						
Mode	Test Frequency (MHz)	Ant	Duty Cycle (%)	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
802.11n(20MHz)	5745	Ant0	97.38	3.07	30	Pass
802.11n(20MHz)	5785	Ant0	97.38	2.94	30	Pass
802.11n(20MHz)	5825	Ant0	97.38	2.57	30	Pass
802.11n(40MHz)	5755	Ant0	94.87	-0.01	30	Pass
802.11n(40MHz)	5795	Ant0	94.88	-0.32	30	Pass
802.11ac(80MHz)	5775	Ant0	84.13	-4.83	30	Pass

MIMO mode:

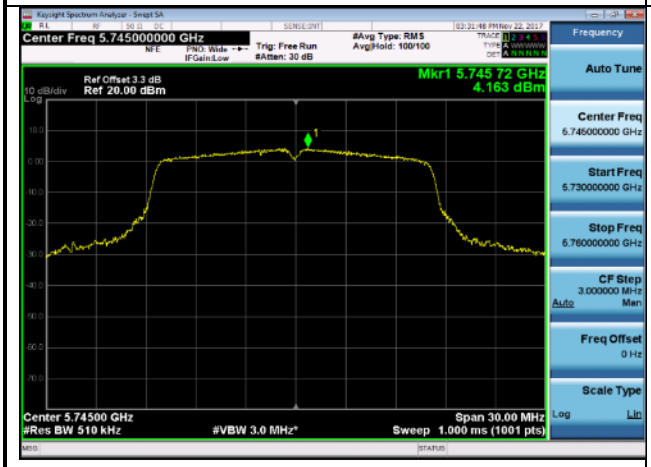
U-NII-3 AVGSA Power Spectral Density					
Mode	Test Frequency (MHz)	Ant	PSD (dBm/500kHz)	Limit (dBm/500kHz)	Result
802.11n(20MHz)	5745	0+1	6.22	30	Pass
802.11n(20MHz)	5785	0+1	5.82	30	Pass

802.11n(20MHz)	5825	0+1	5.83	30	Pass
802.11n(40MHz)	5755	0+1	2.88	30	Pass
802.11n(40MHz)	5795	0+1	2.62	30	Pass
802.11ac(80MHz)	5775	0+1	-1.38	30	Pass

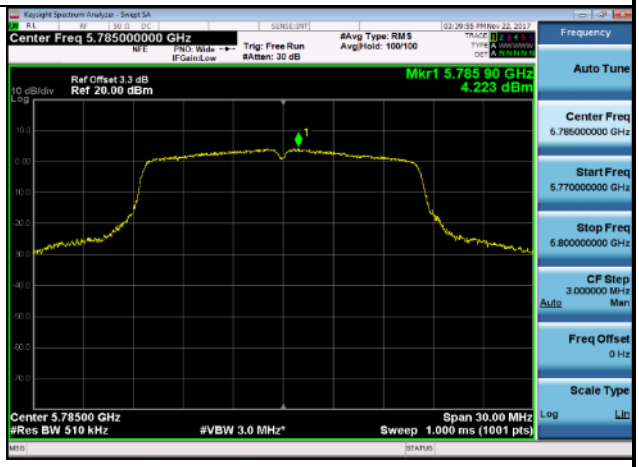
20.2 Test Plots

ANT 1:

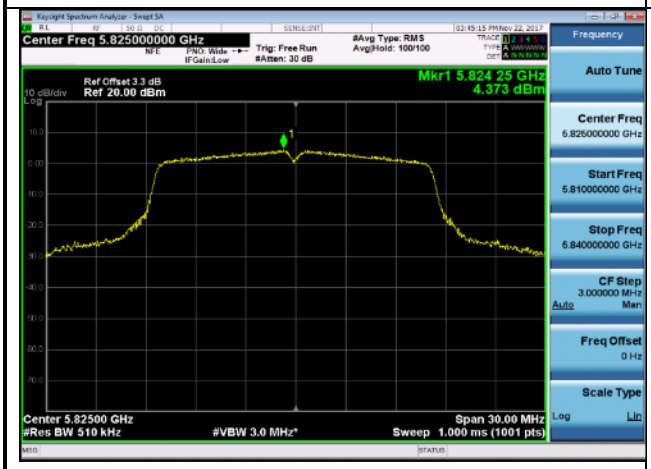
U-NII-3 Power spectral density：
802.11a(20MHz),5745MHz,Ant1



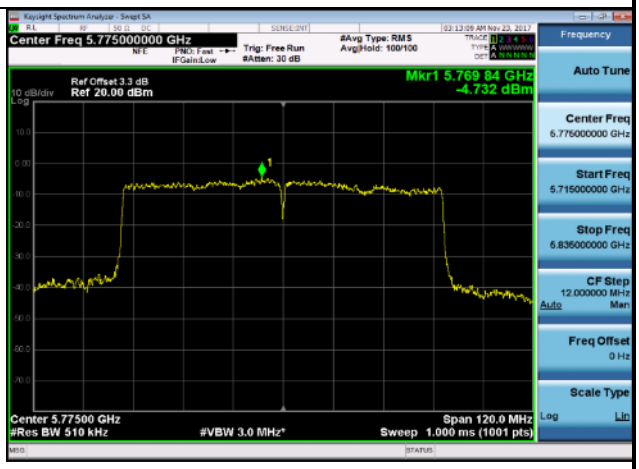
U-NII-3 Power spectral density：
802.11a(20MHz),5785MHz,Ant1

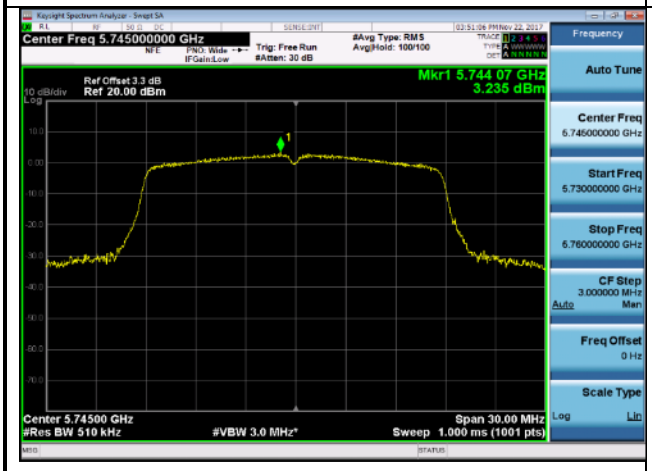
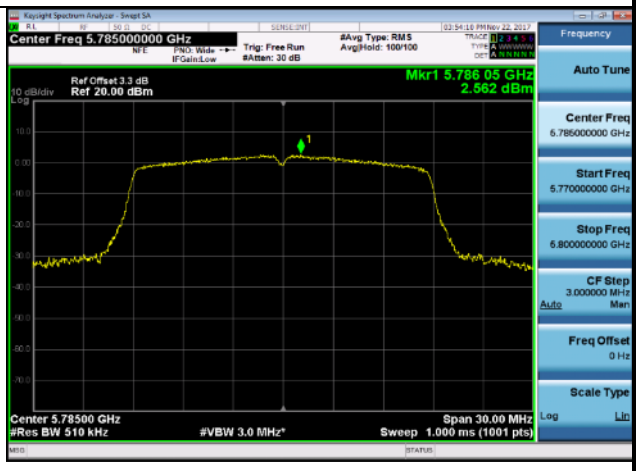
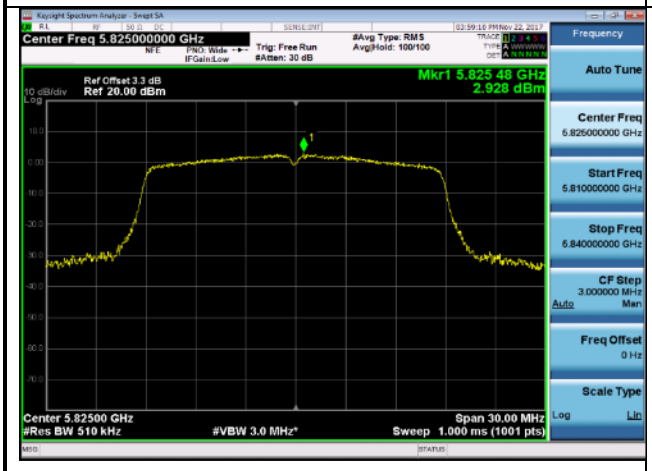
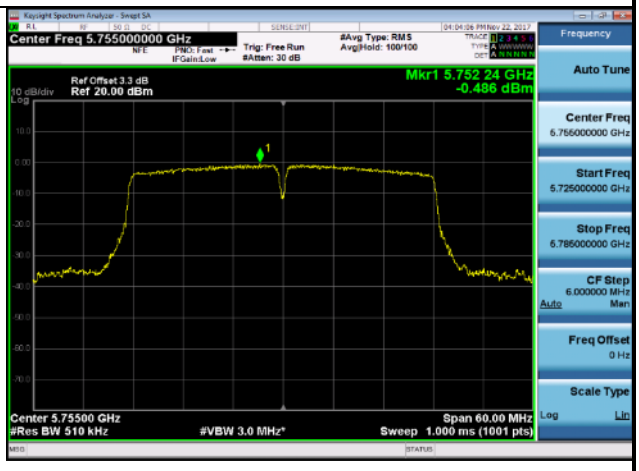


U-NII-3 Power spectral density：
802.11a(20MHz),5825MHz,Ant1



U-NII-3 Power spectral density：
802.11ac(80MHz),5775MHz,Ant1



U-NII-3 Power spectral density： 802.11n(20MHz),5745MHz,Ant1	U-NII-3 Power spectral density： 802.11n(20MHz),5785MHz,Ant1
	
U-NII-3 Power spectral density： 802.11n(20MHz),5825MHz,Ant1	U-NII-3 Power spectral density： 802.11n(40MHz),5755MHz,Ant1
	
U-NII-3 Power spectral density： 802.11n(40MHz),5795MHz,Ant1	