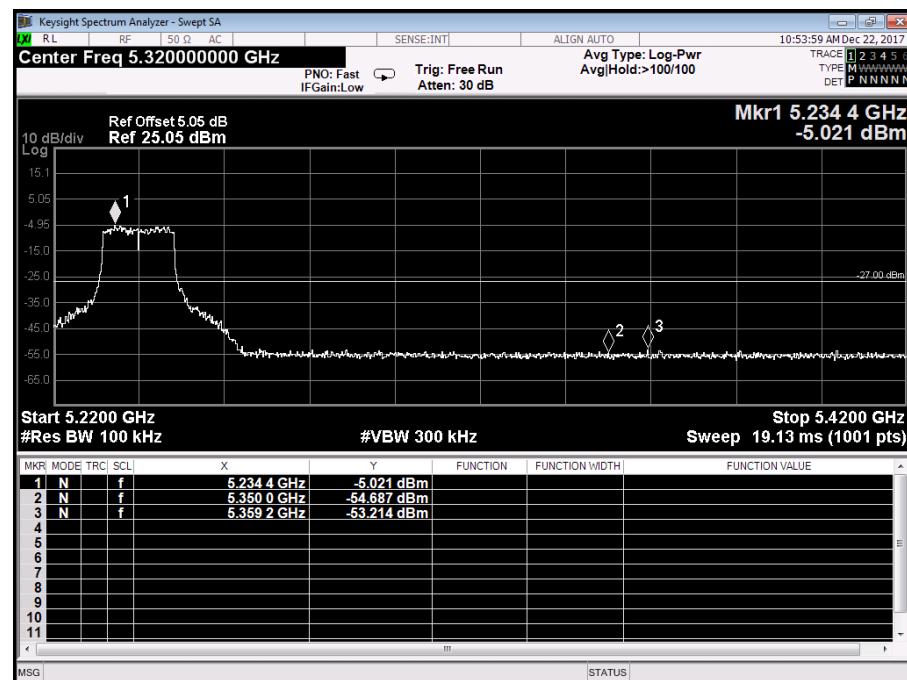
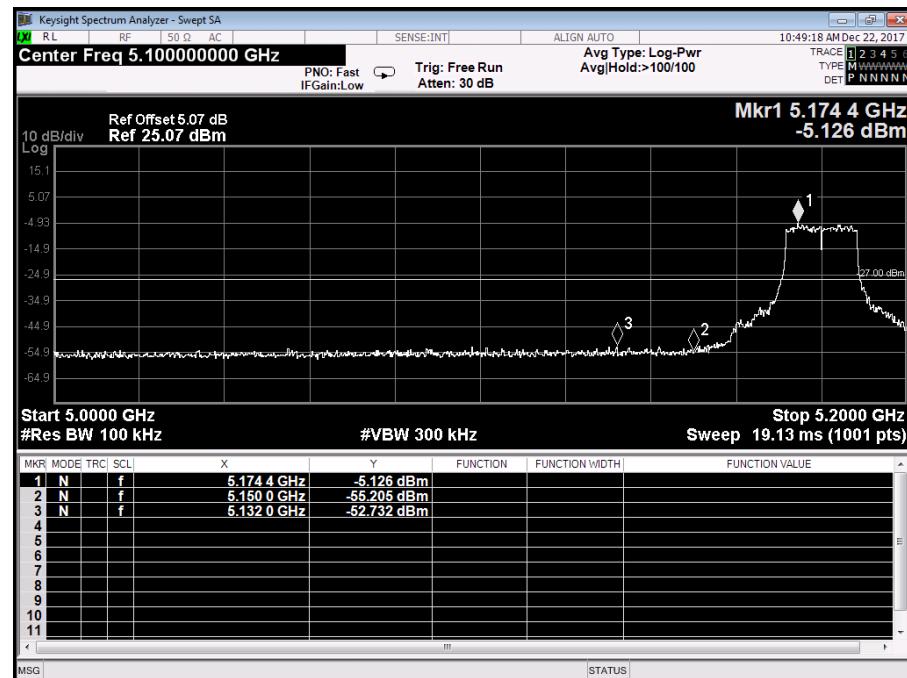
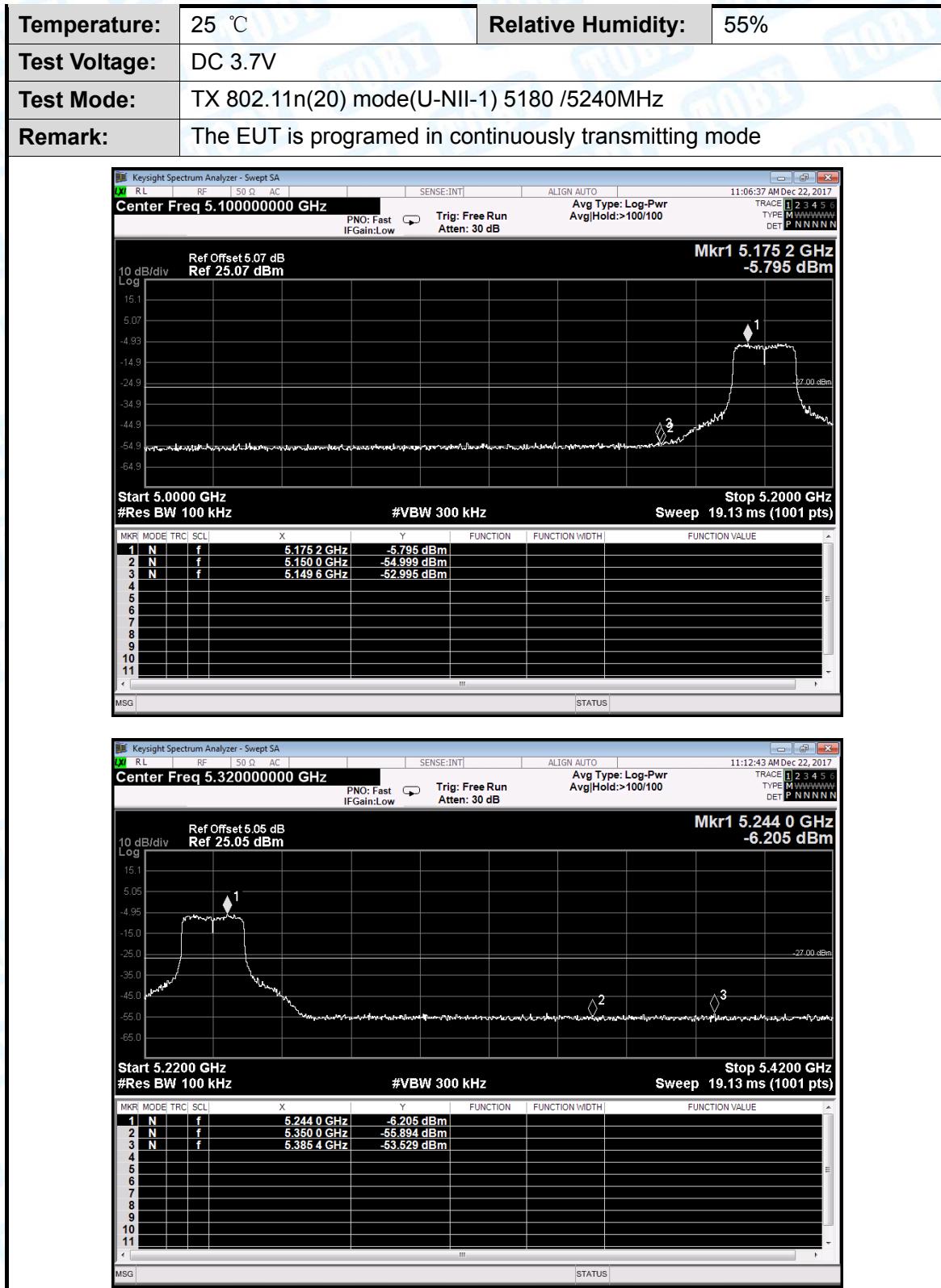
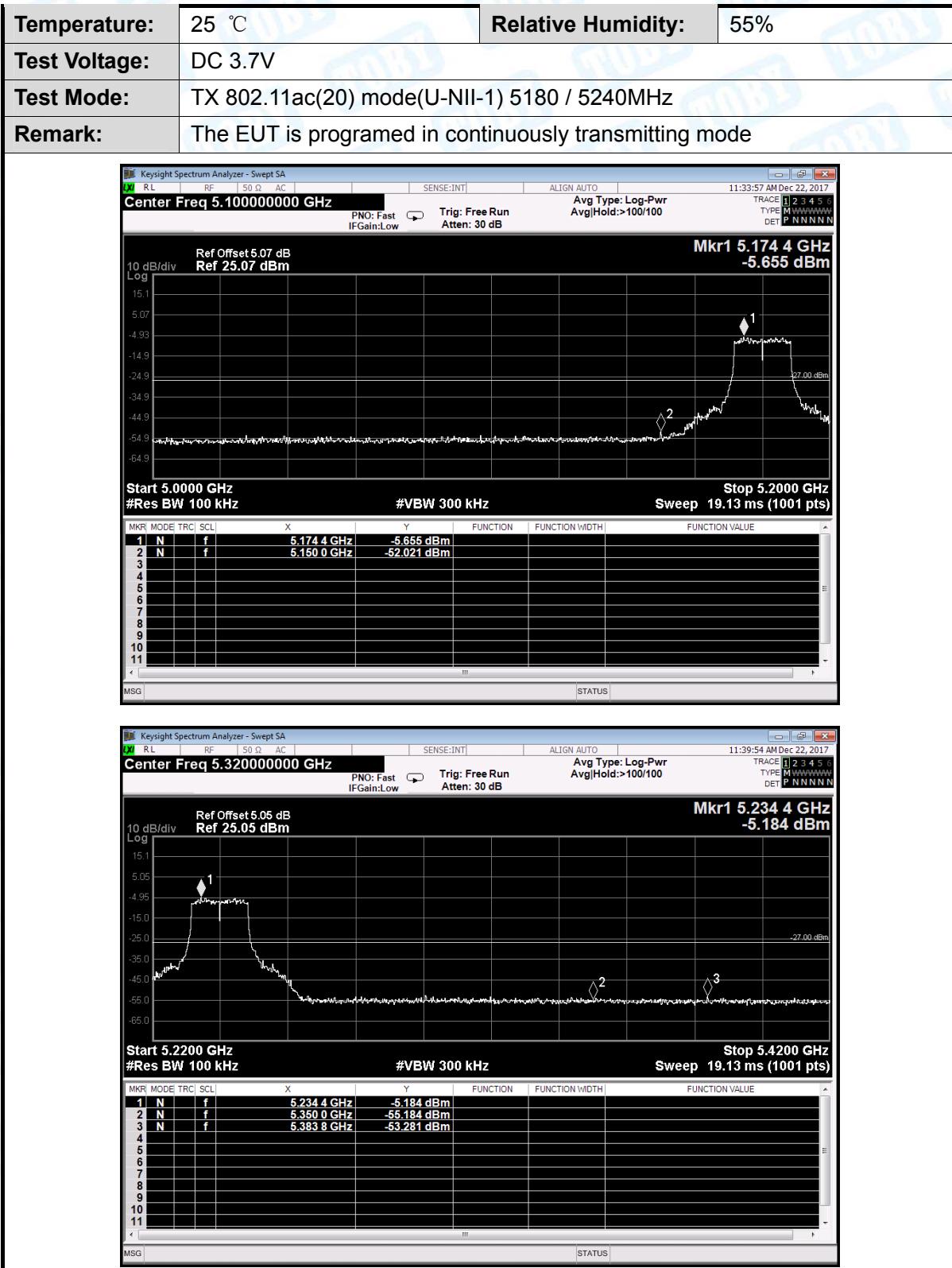


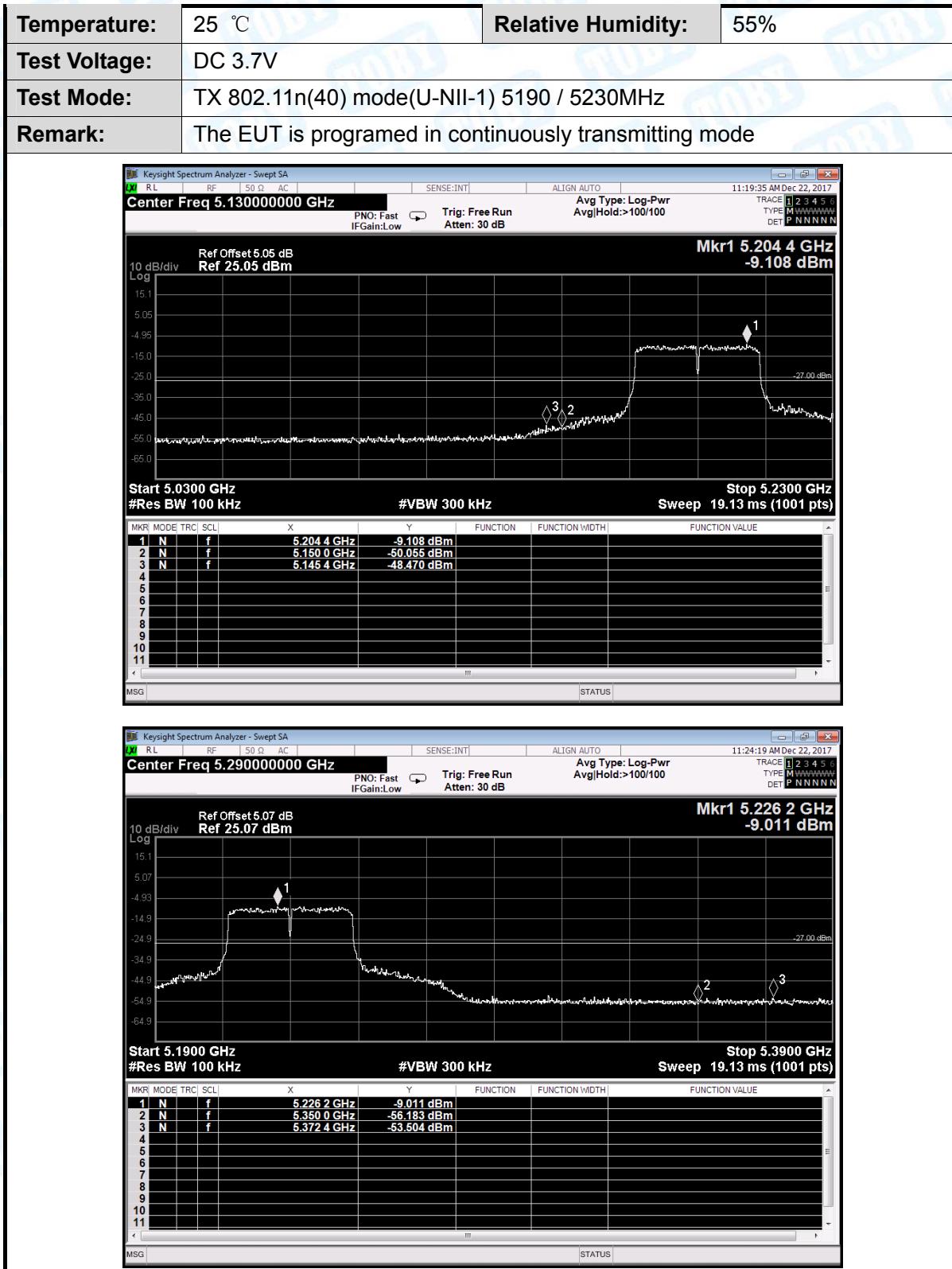
(2) Conducted Test

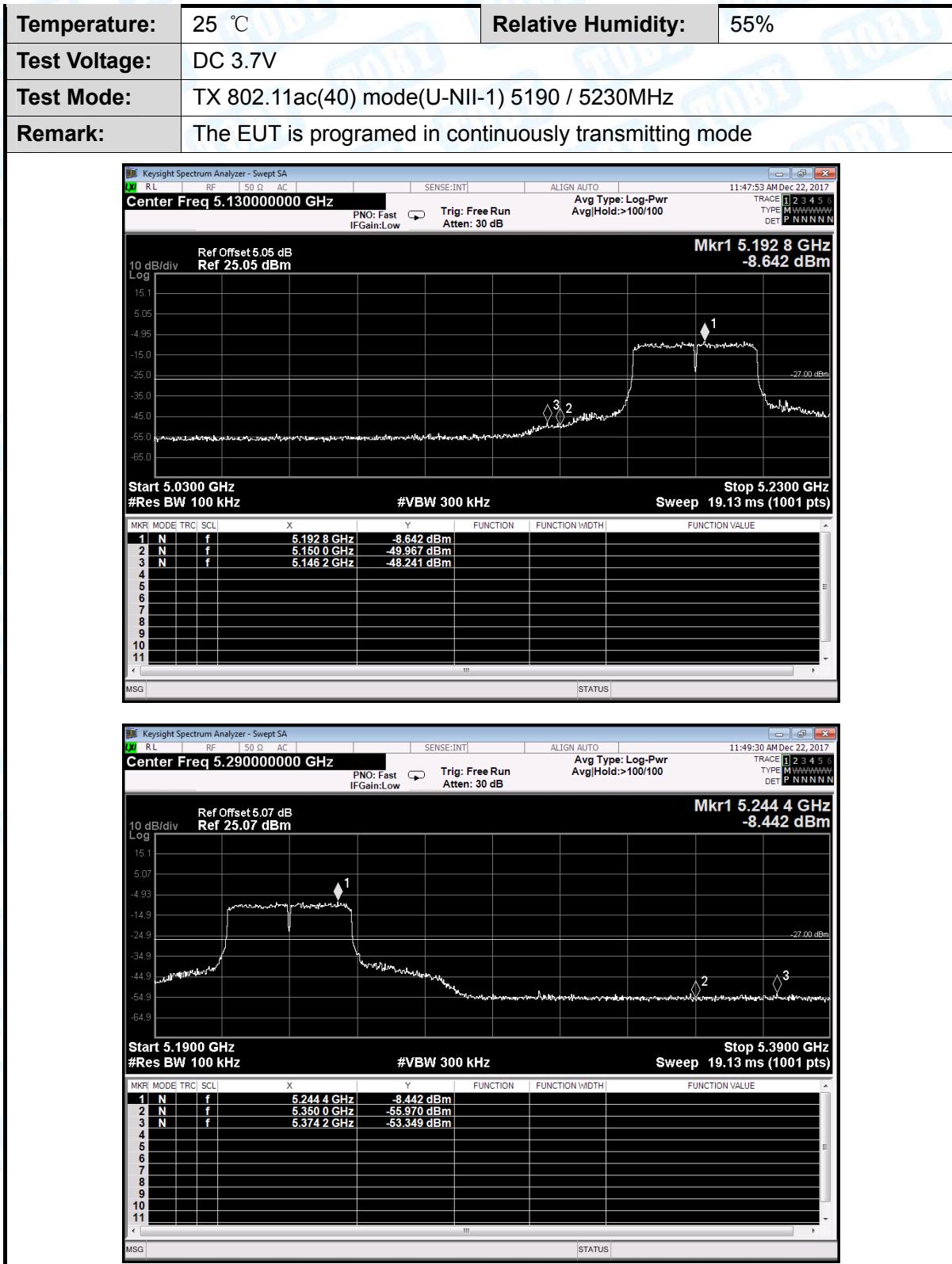
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11a mode(U-NII-1) 5180 /5240MHz		
Remark:	The EUT is programed in continuously transmitting mode		

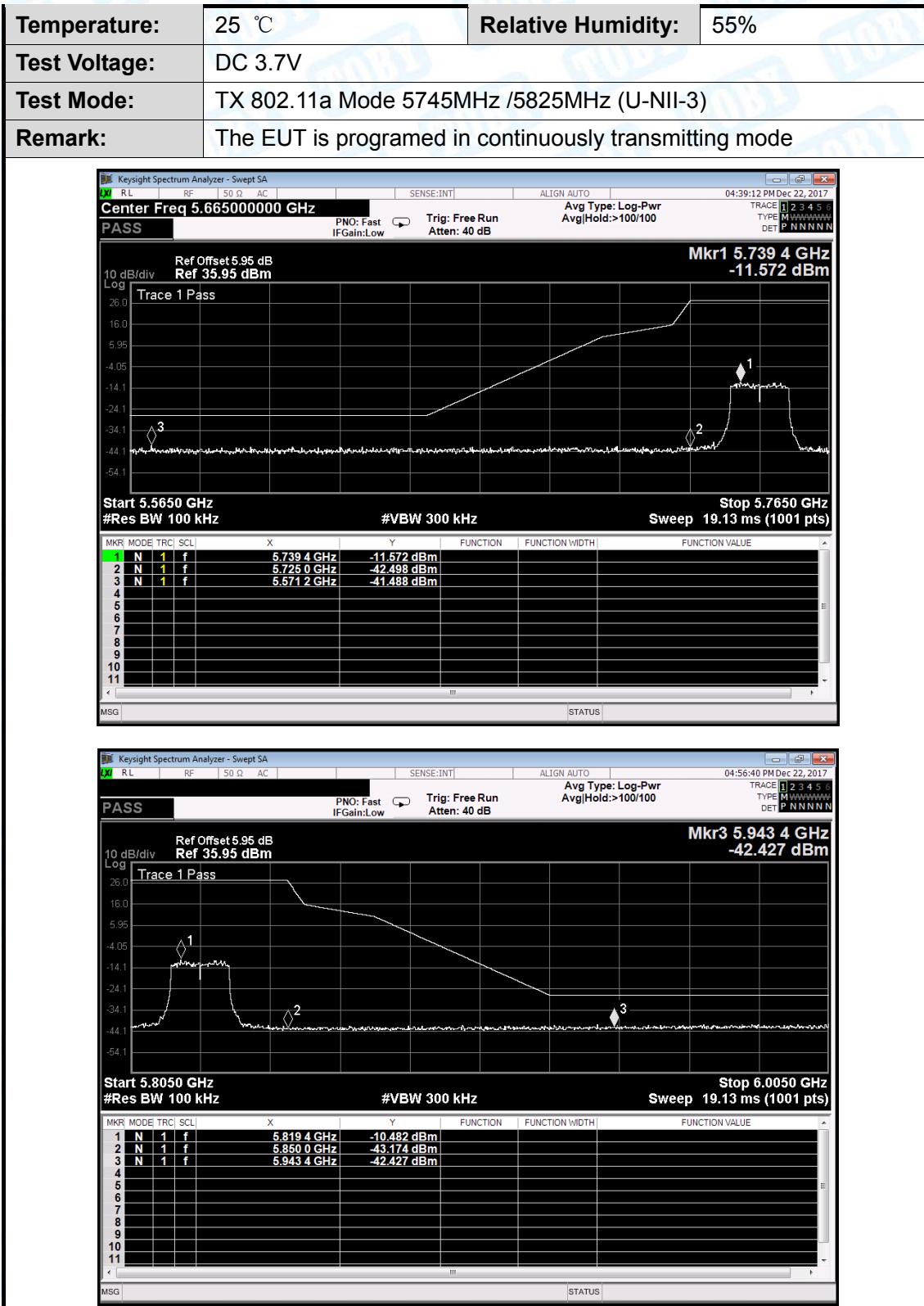


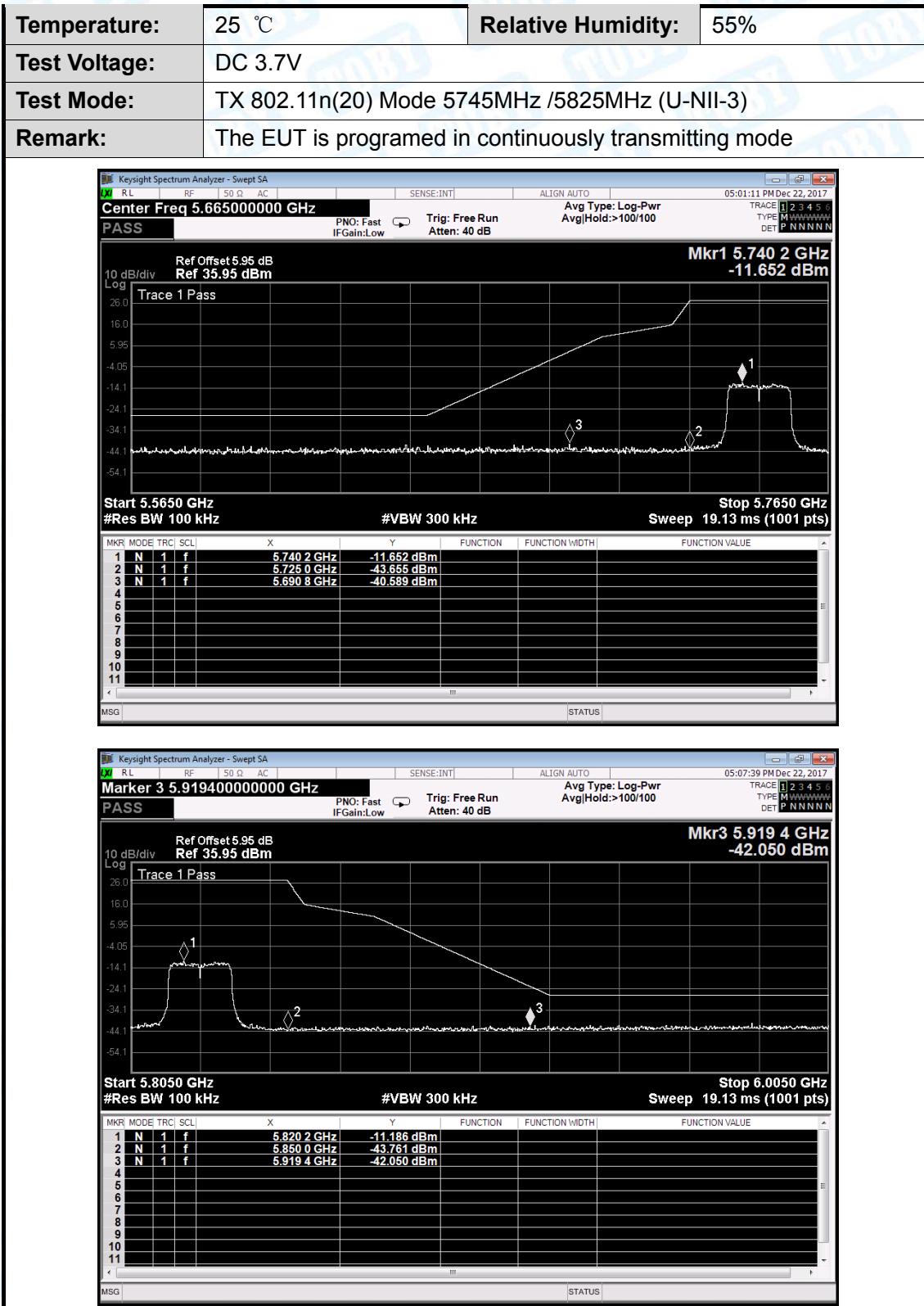


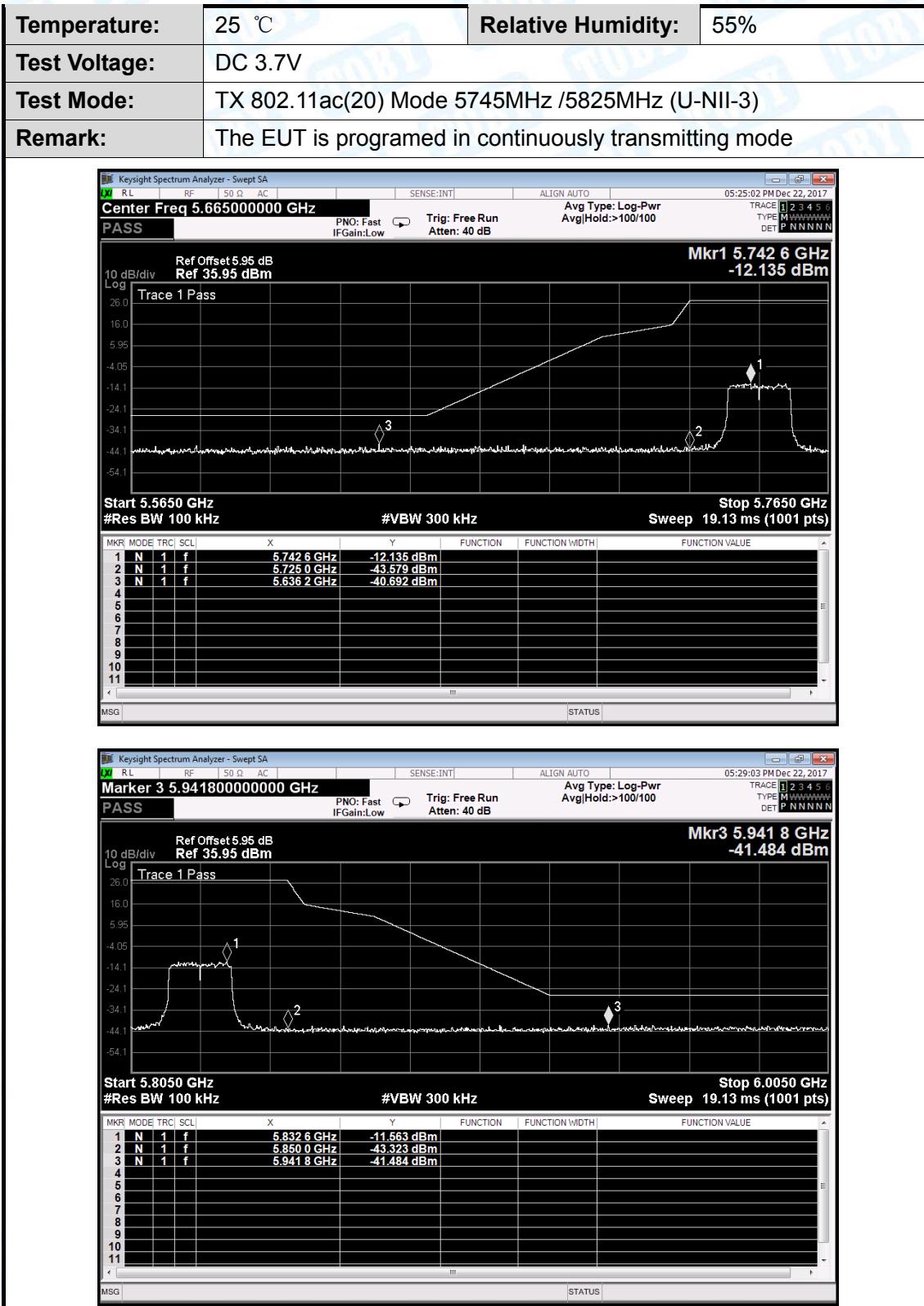


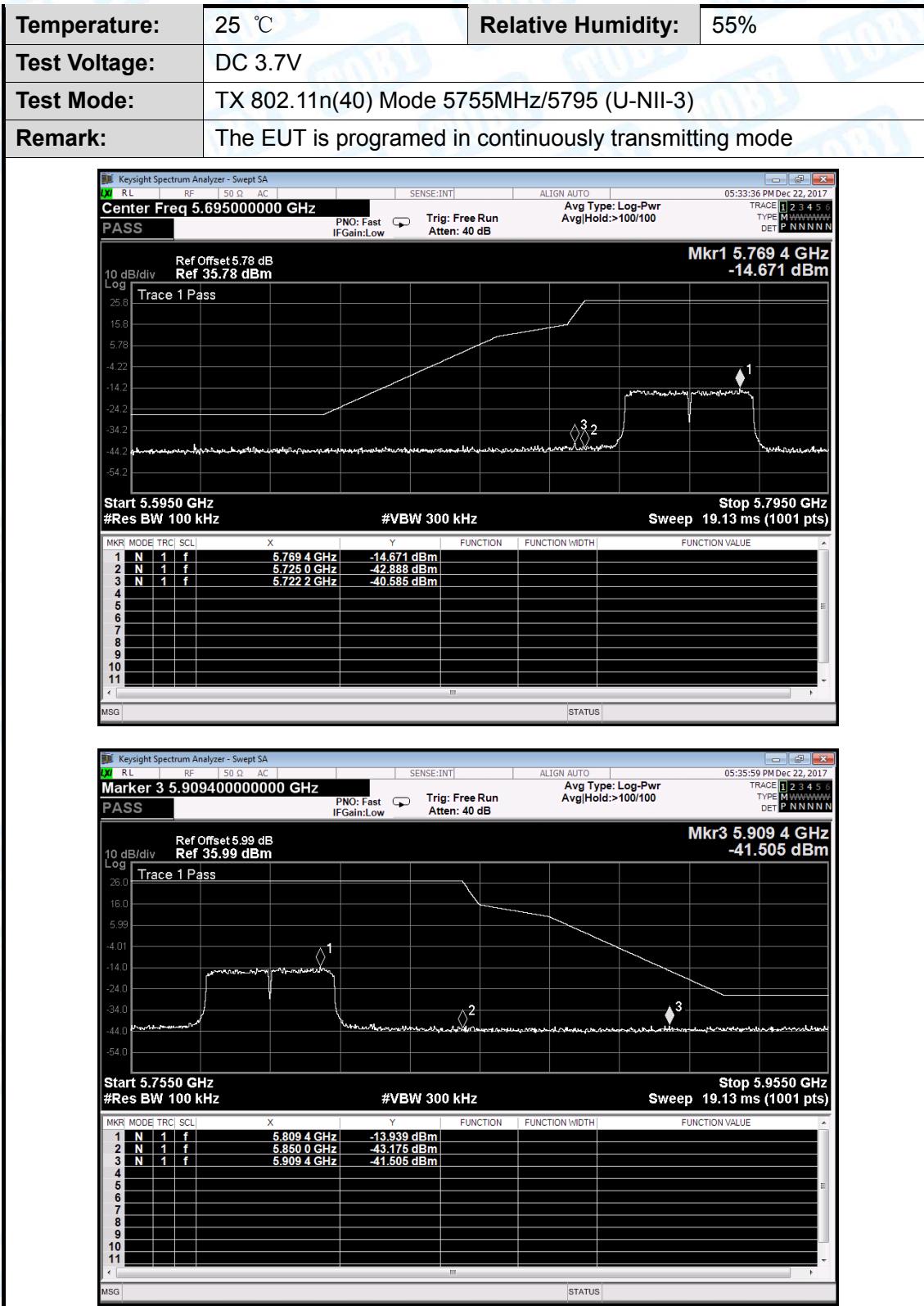


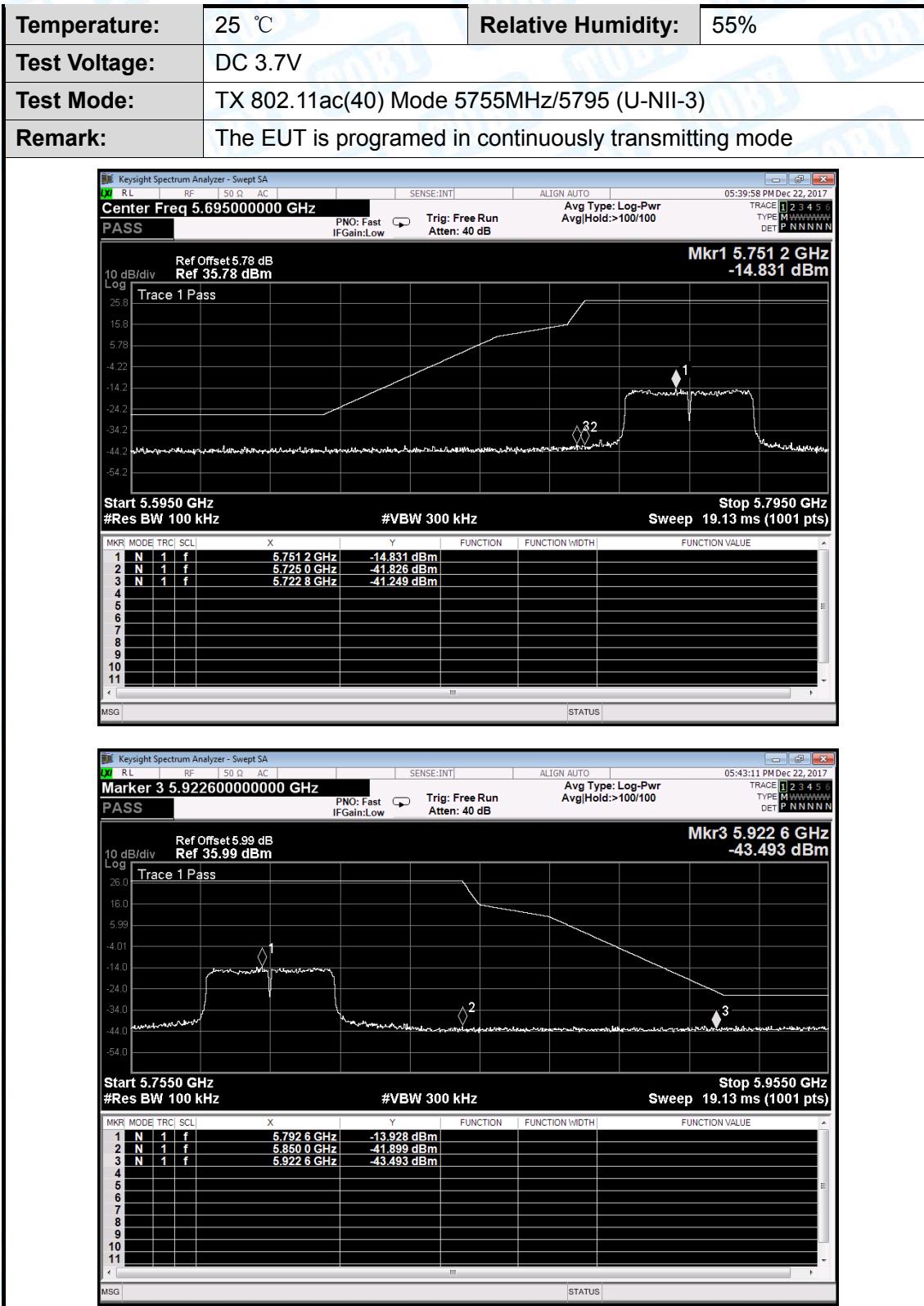


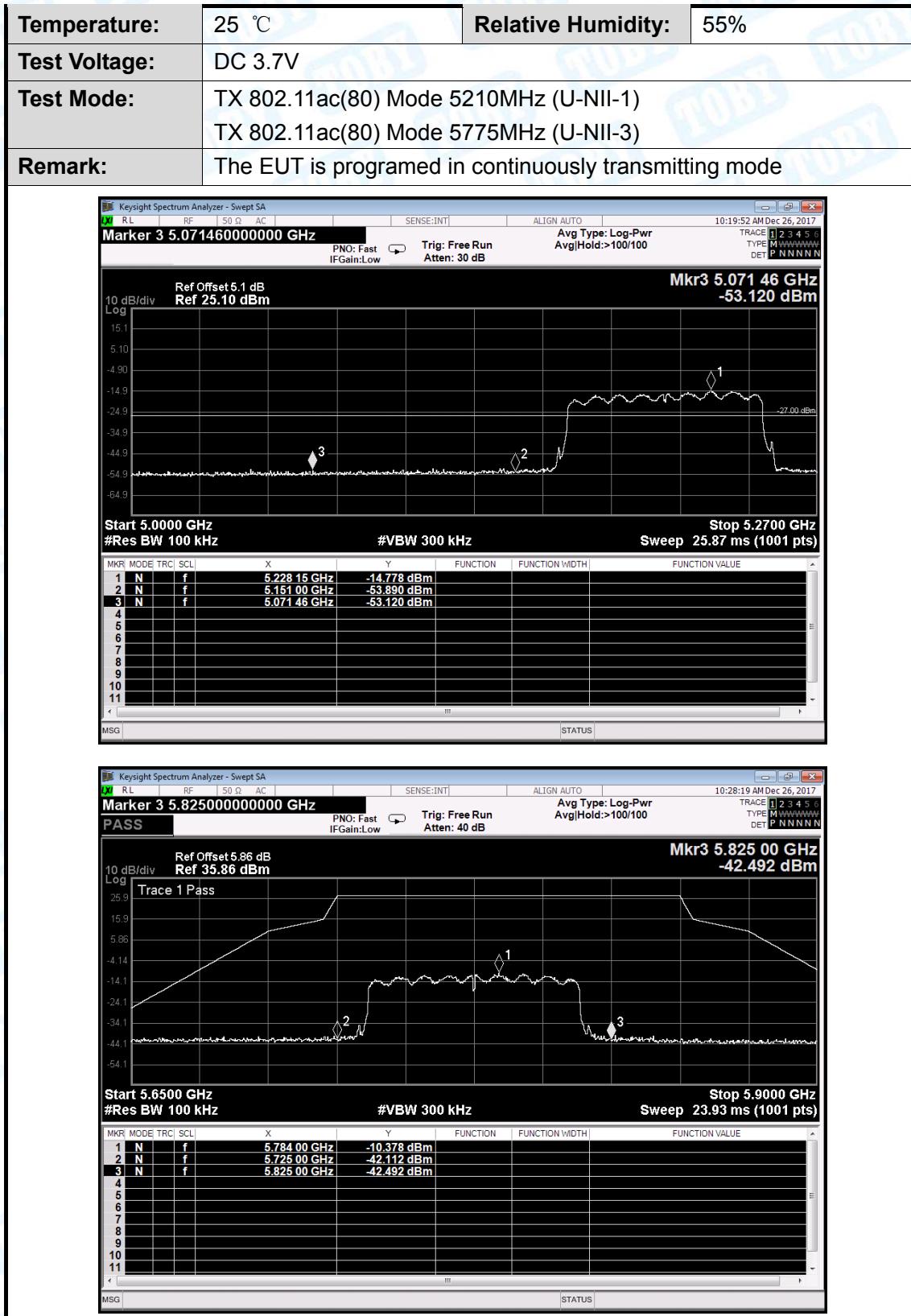










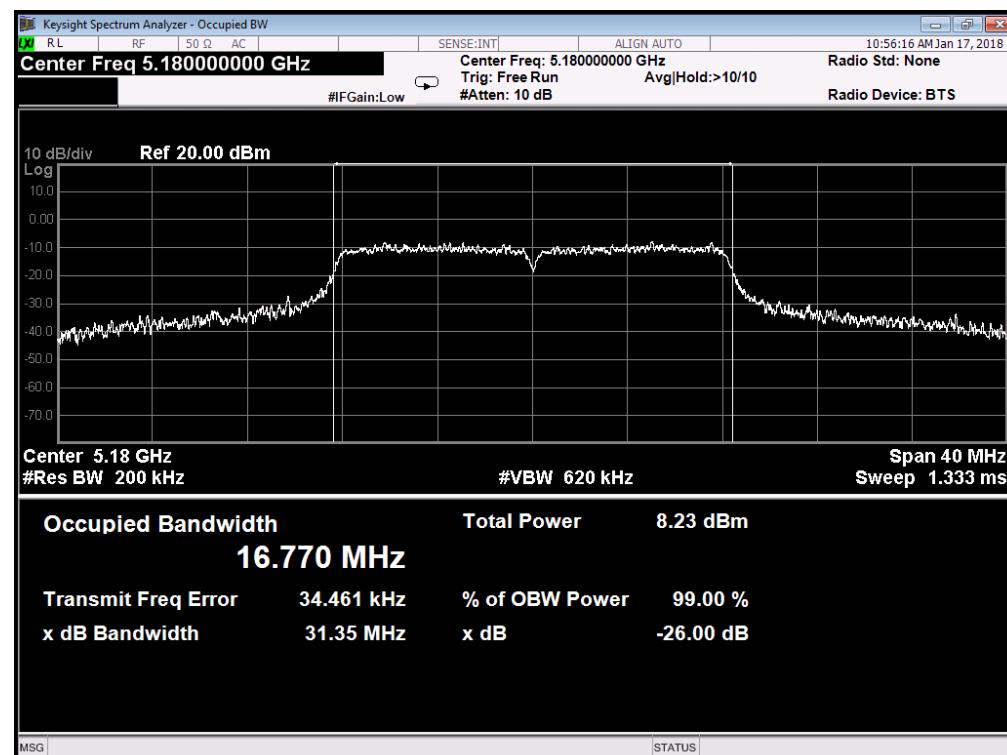


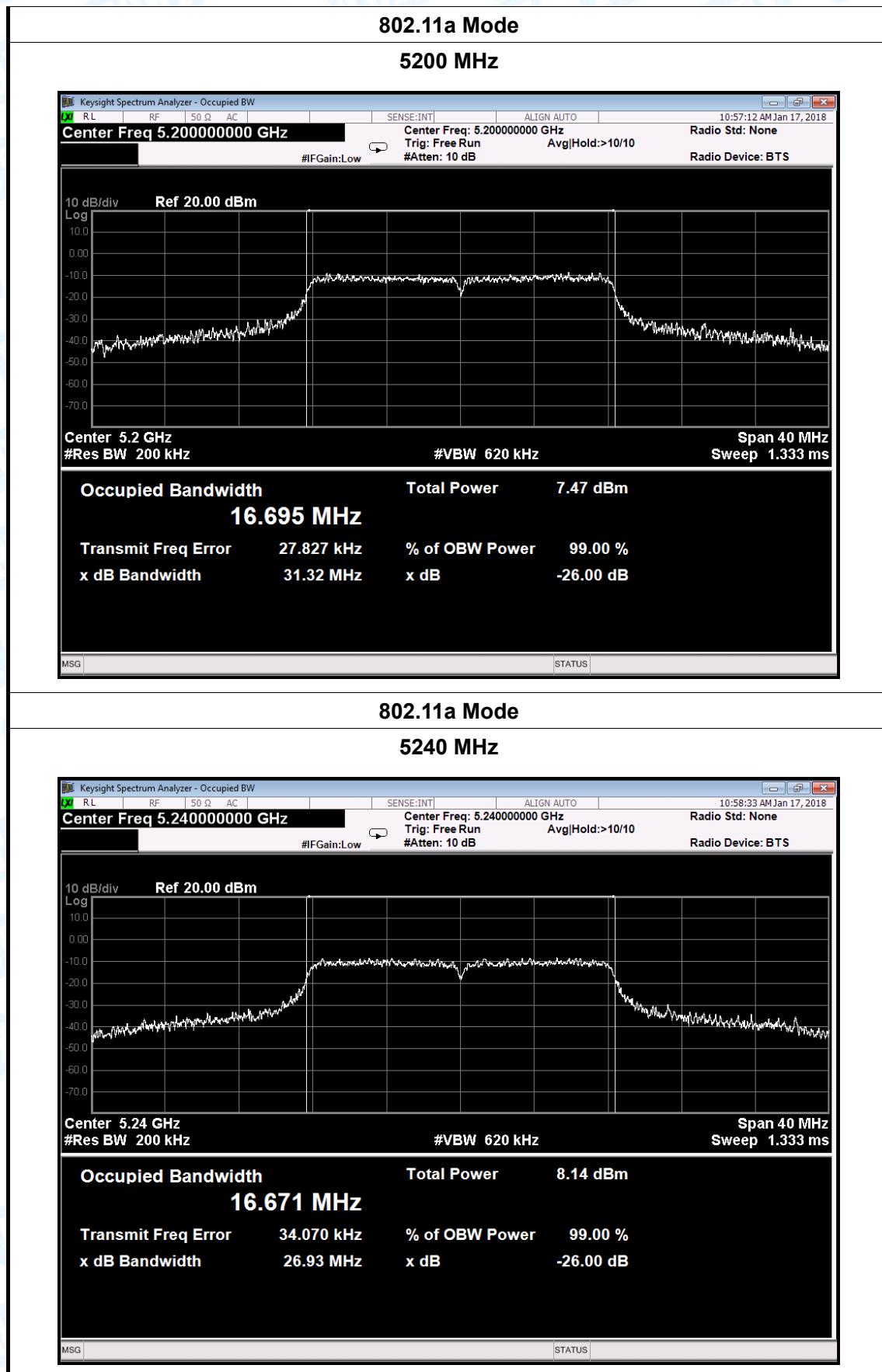
Attachment D-- Bandwidth Test Data

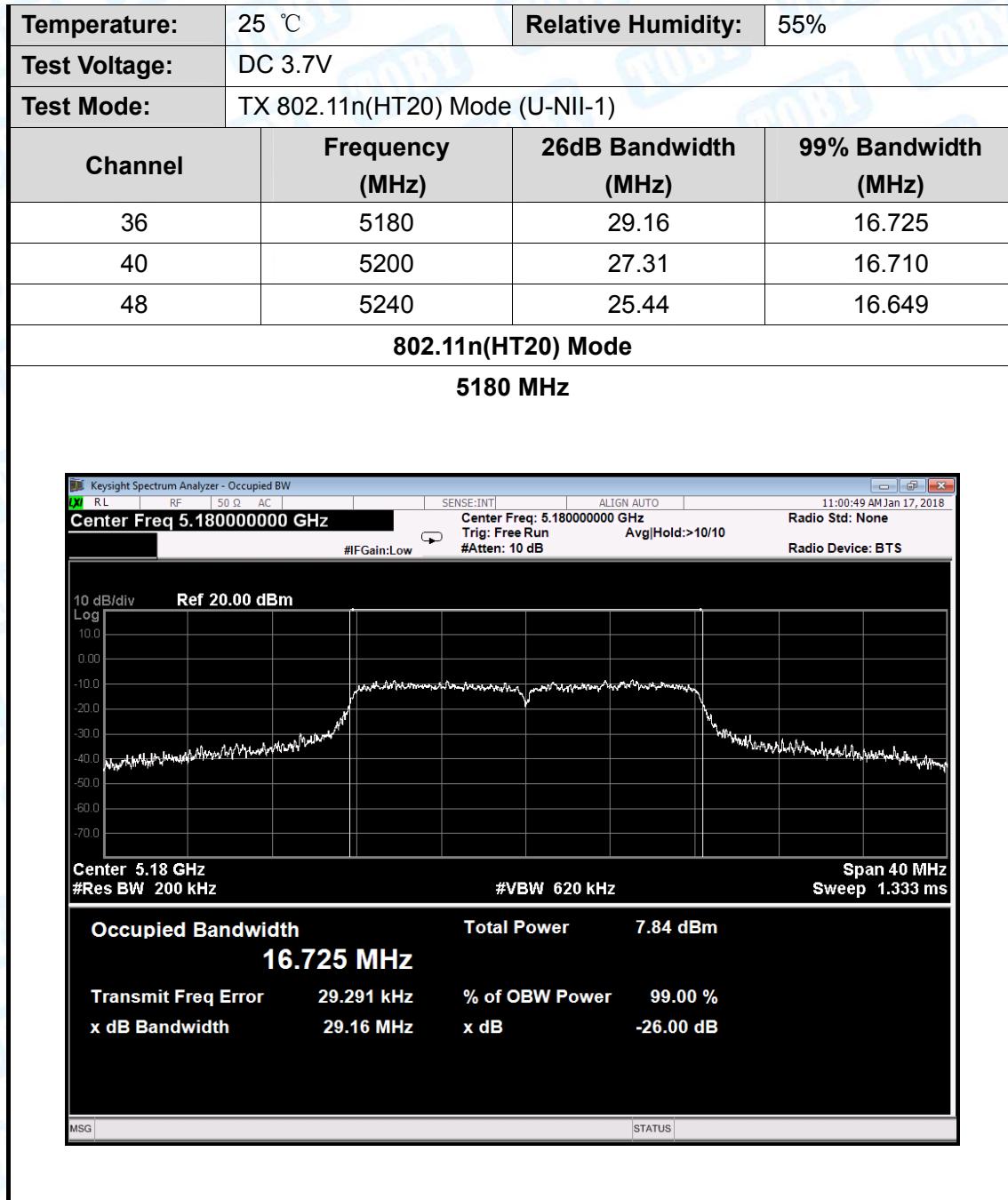
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11a Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	31.35	16.770
40	5200	31.32	16.695
48	5240	26.93	16.671

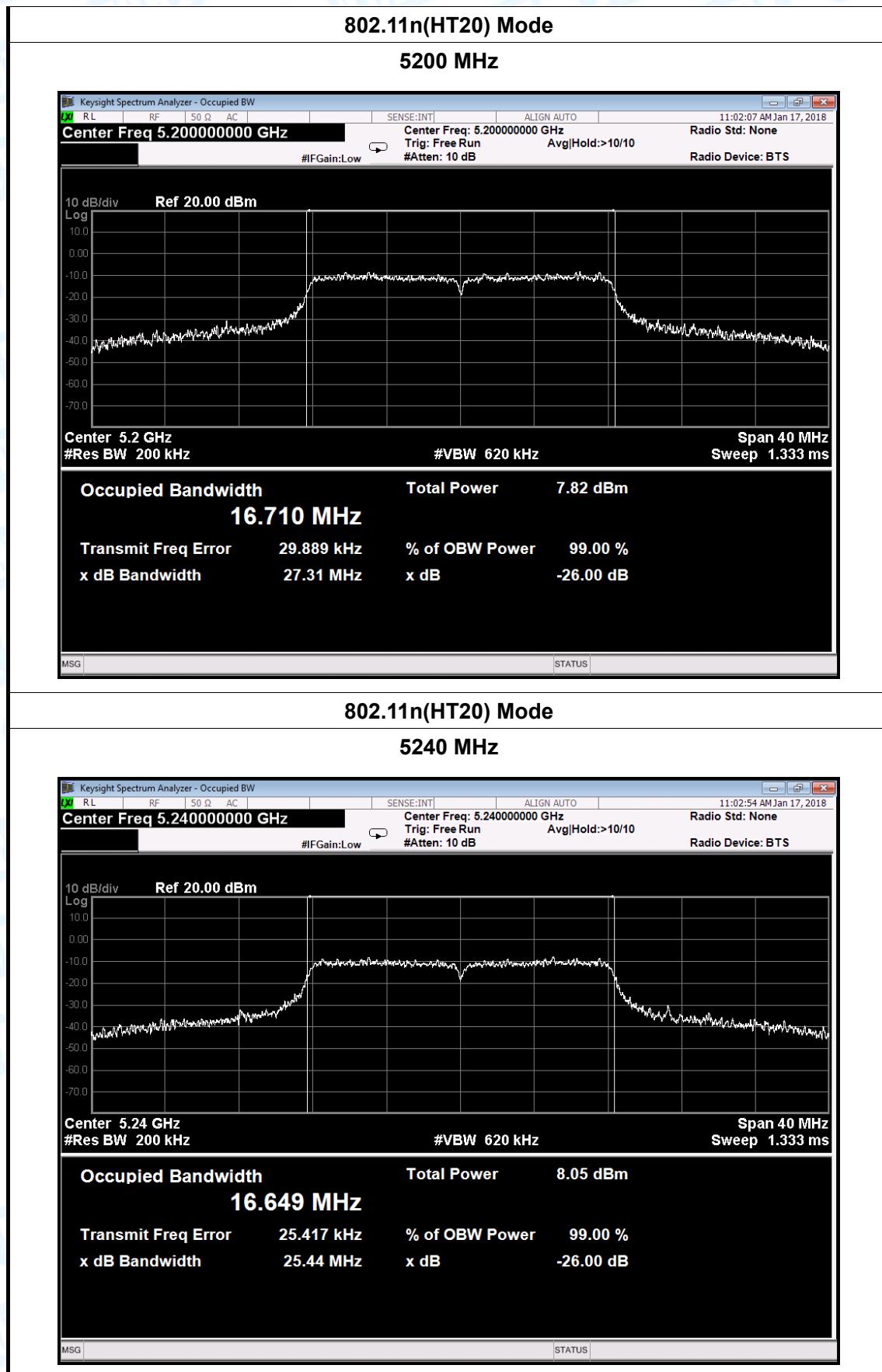
802.11a Mode

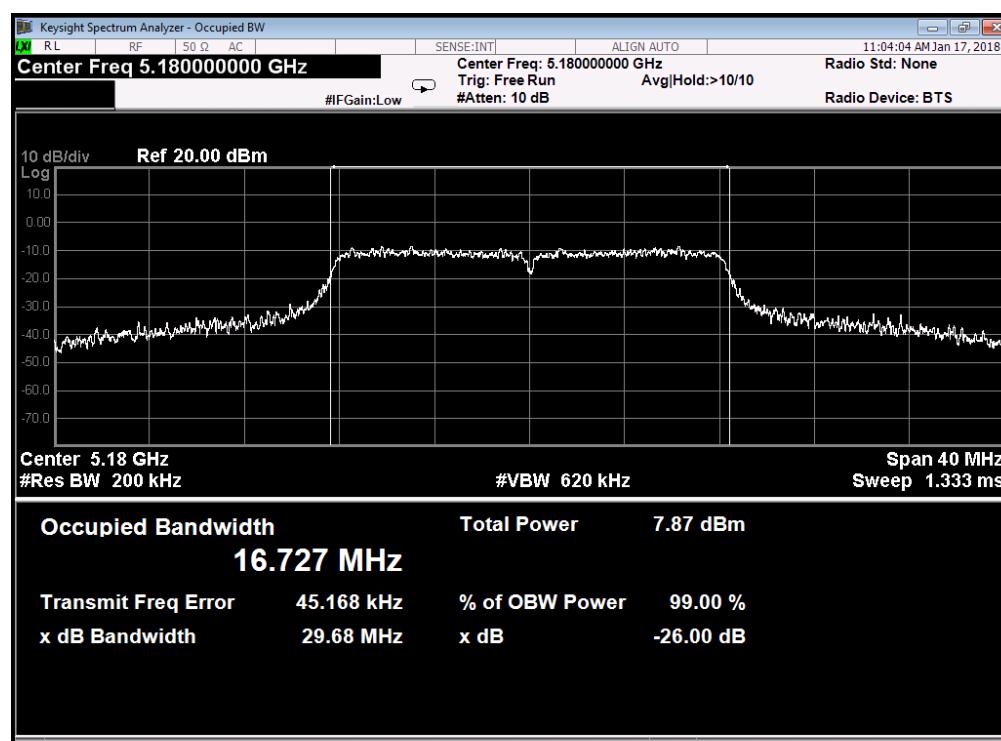
5180 MHz

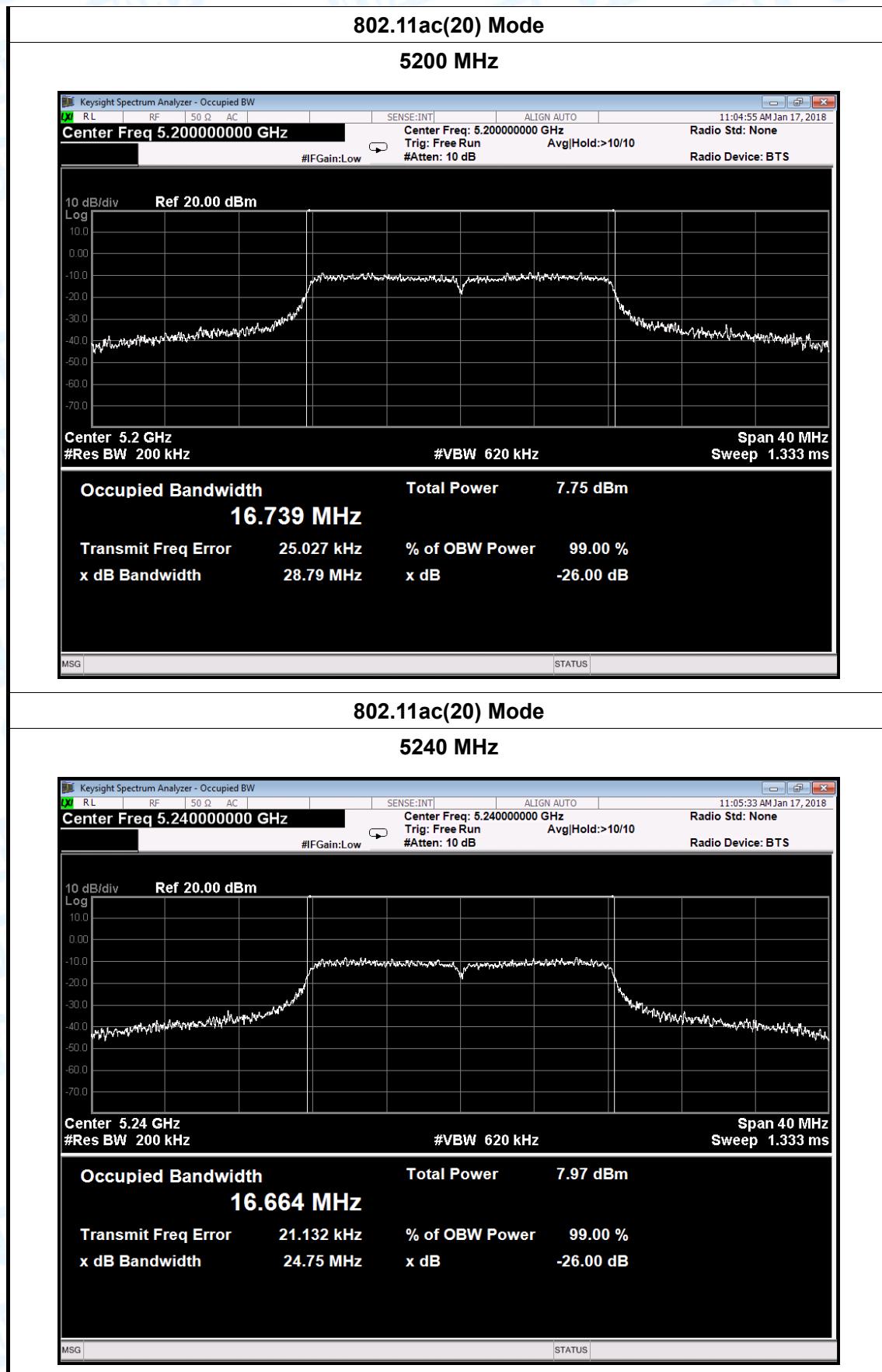


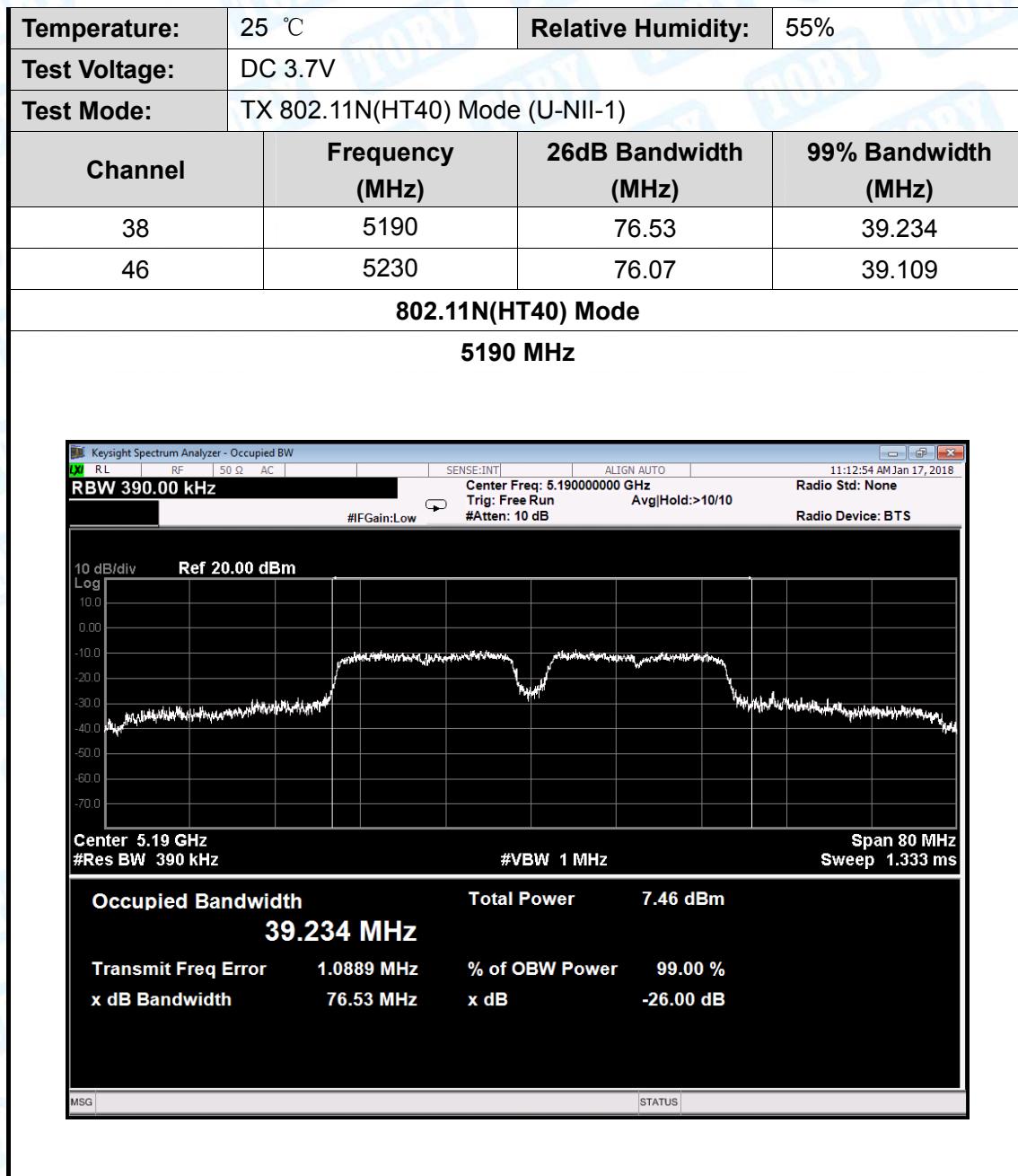


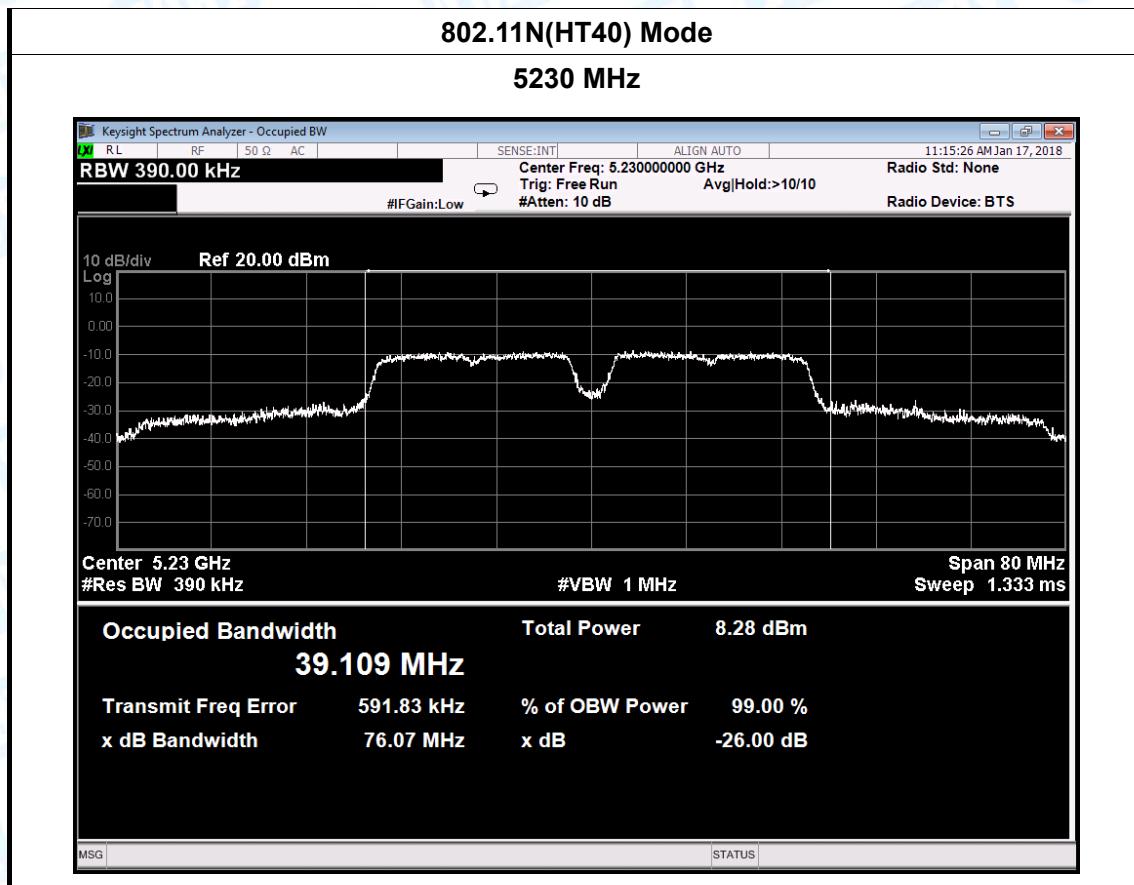


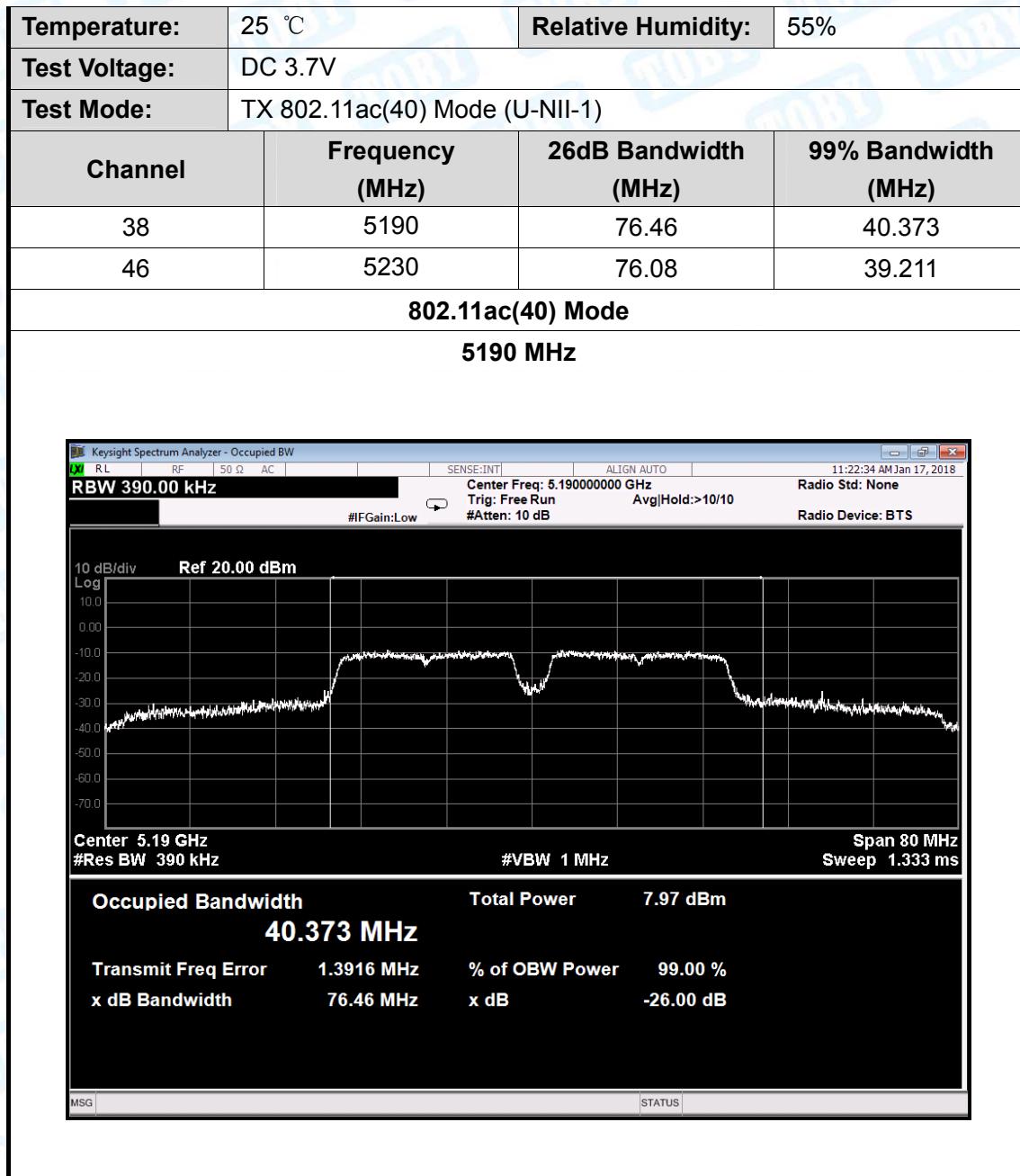


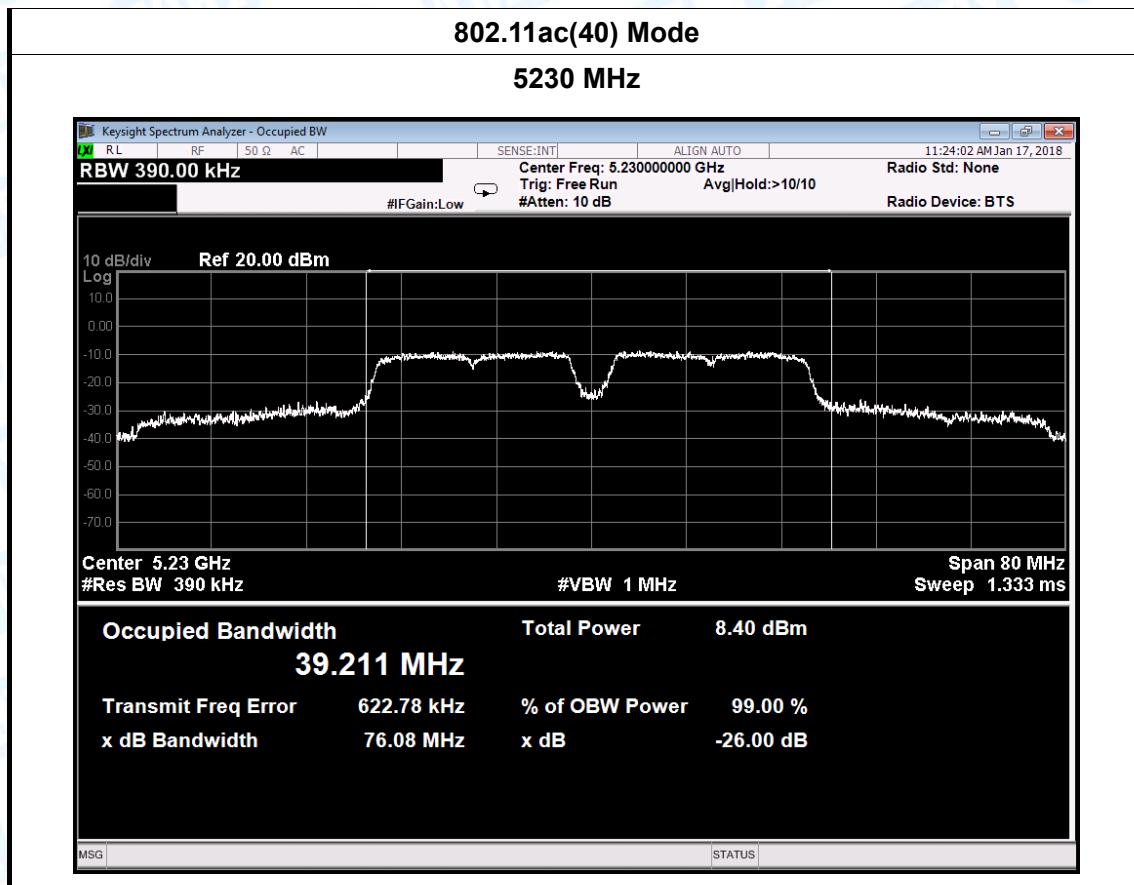
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
Test Mode:	TX 802.11ac(20) Mode (U-NII-1)		
Channel	Frequency (MHz)	26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36	5180	29.68	16.727
40	5200	28.79	16.739
48	5240	24.75	16.664
802.11ac(20) Mode			
5180 MHz			
			

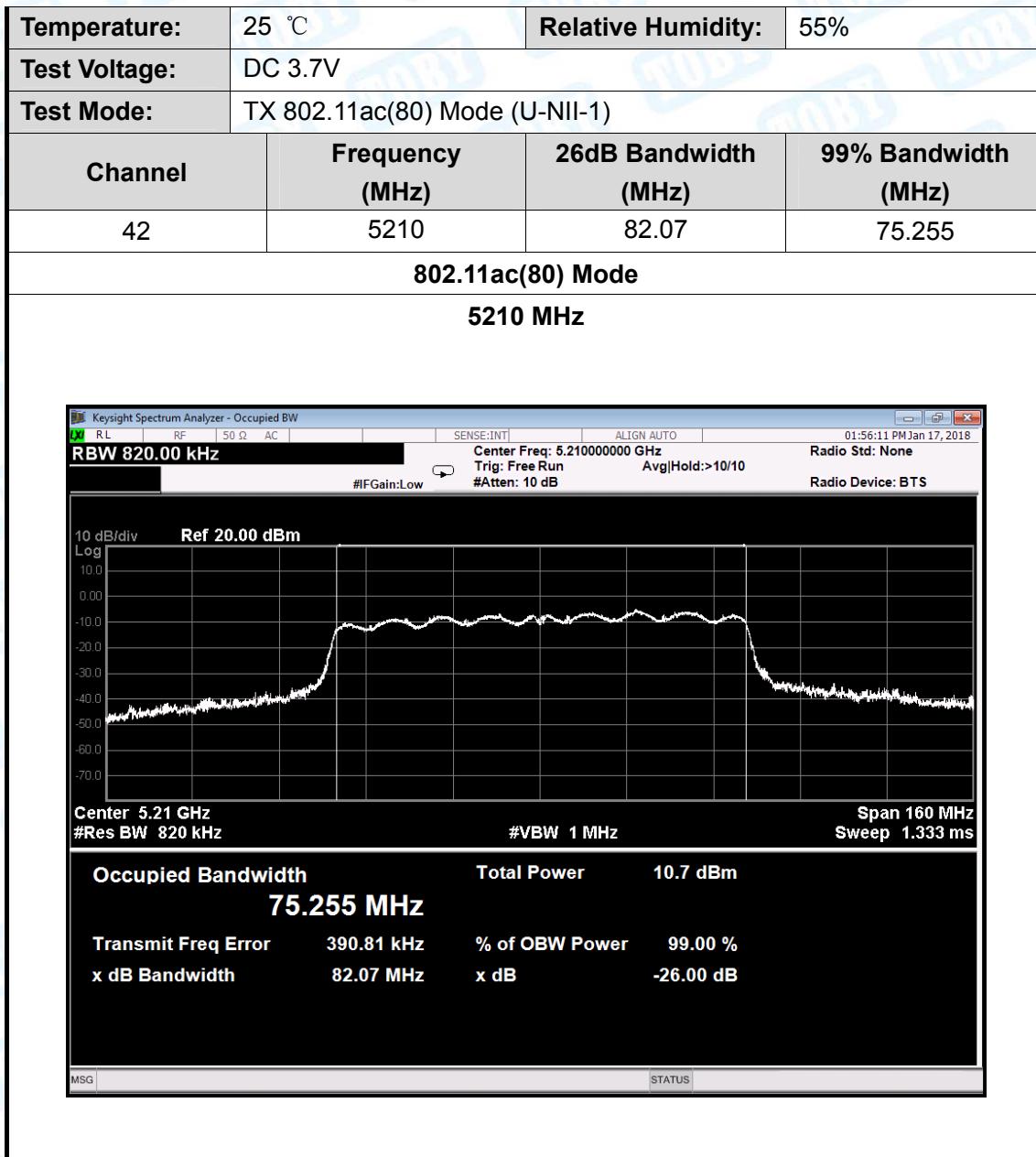


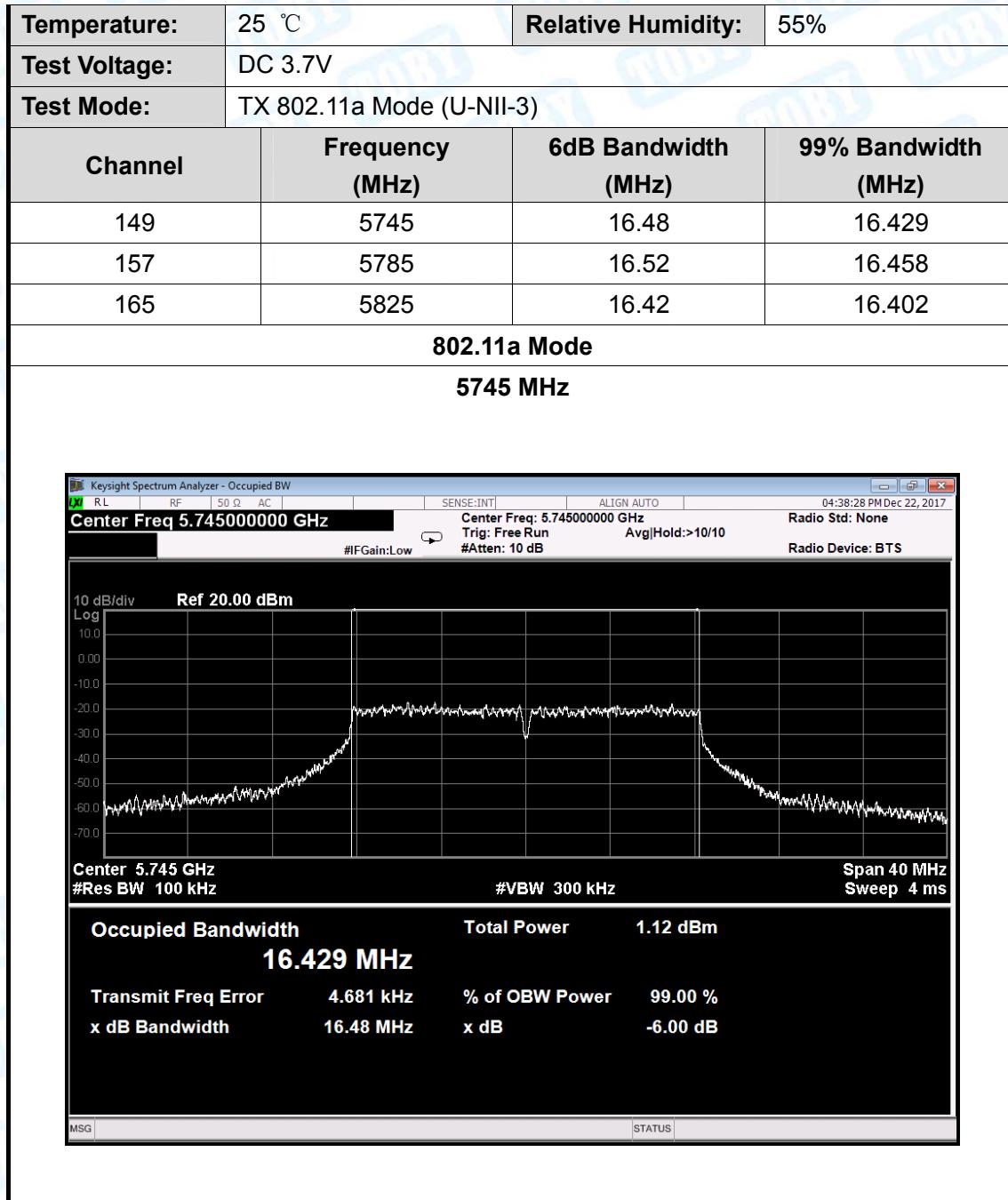


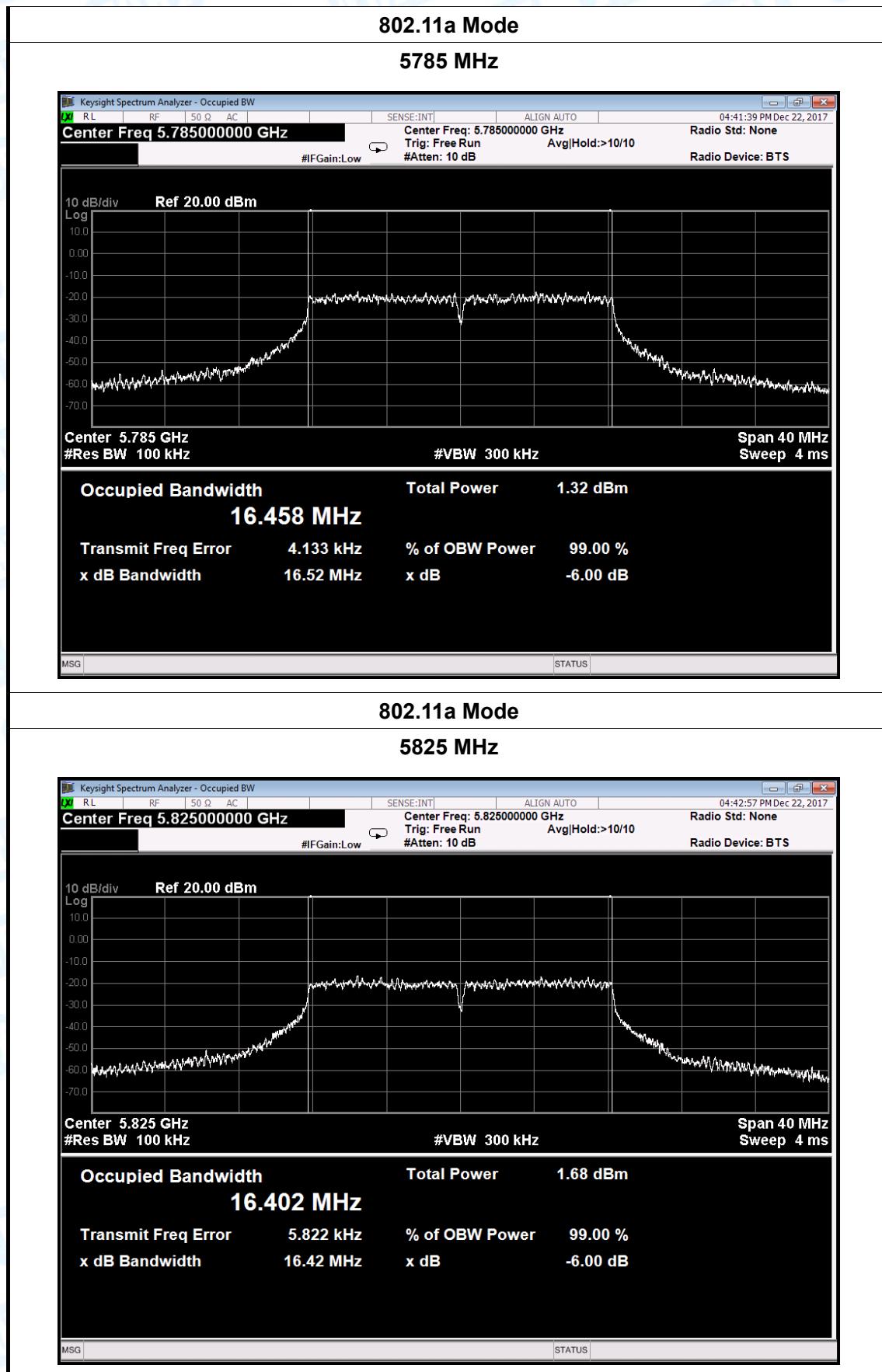


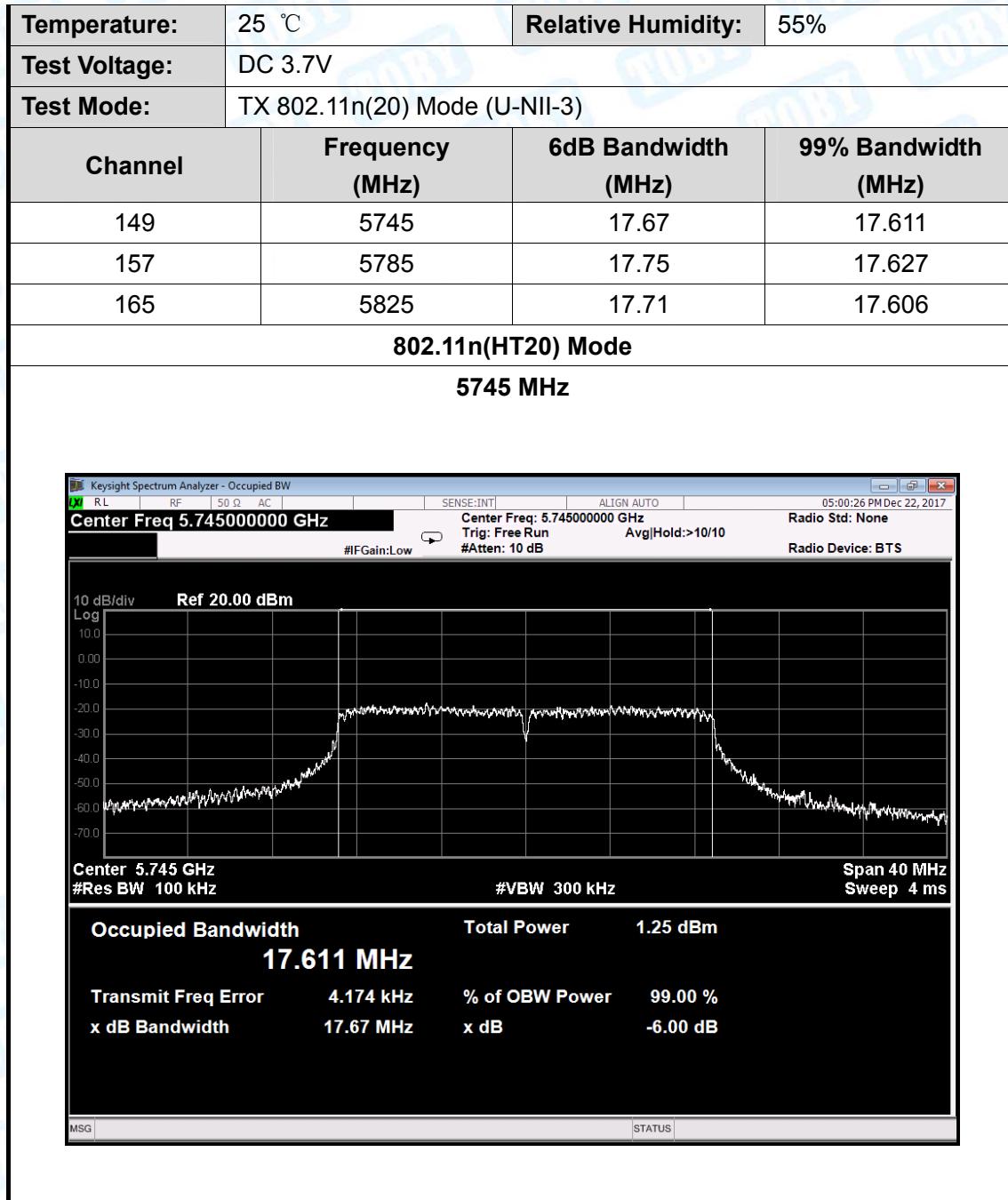


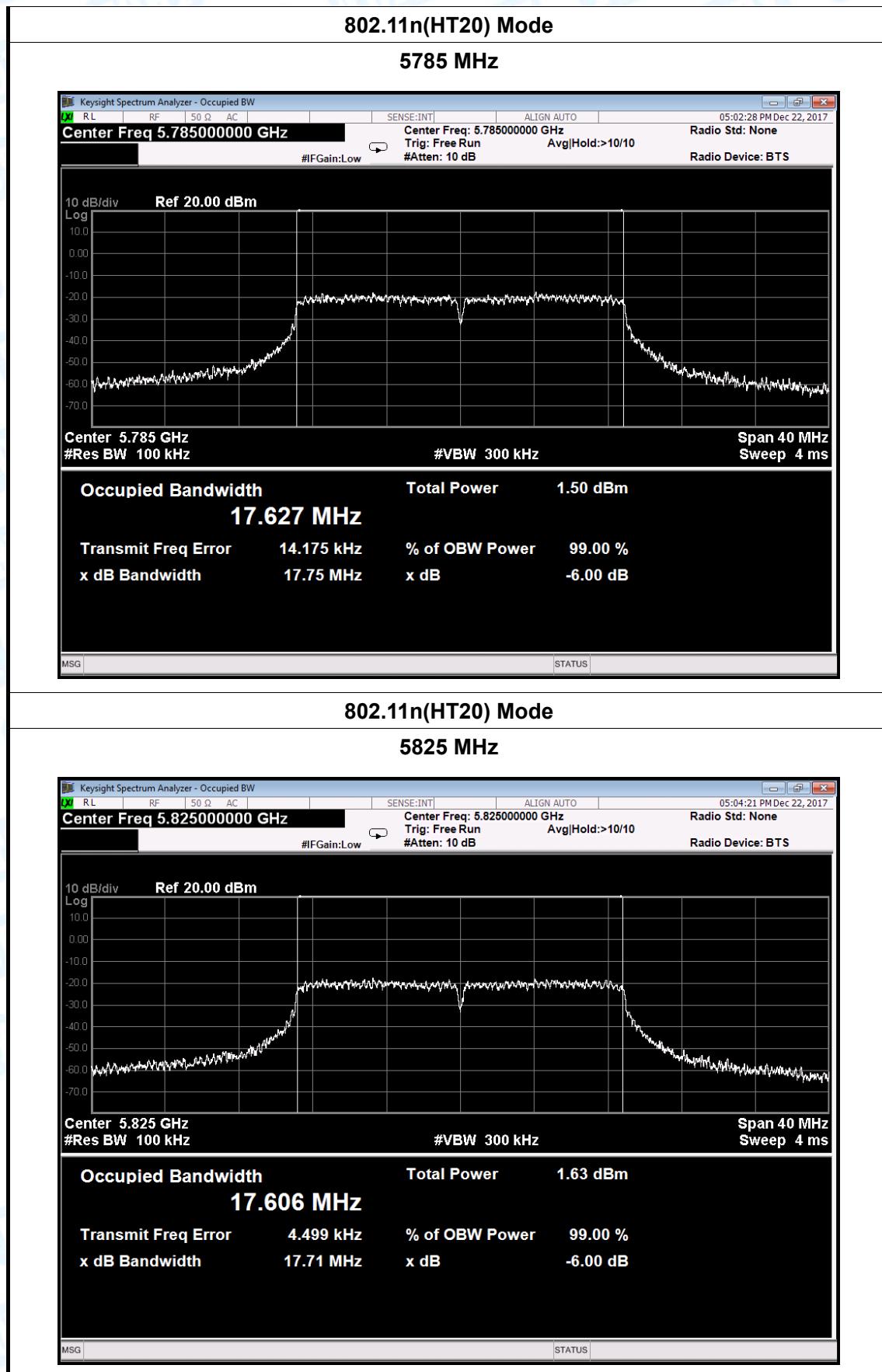


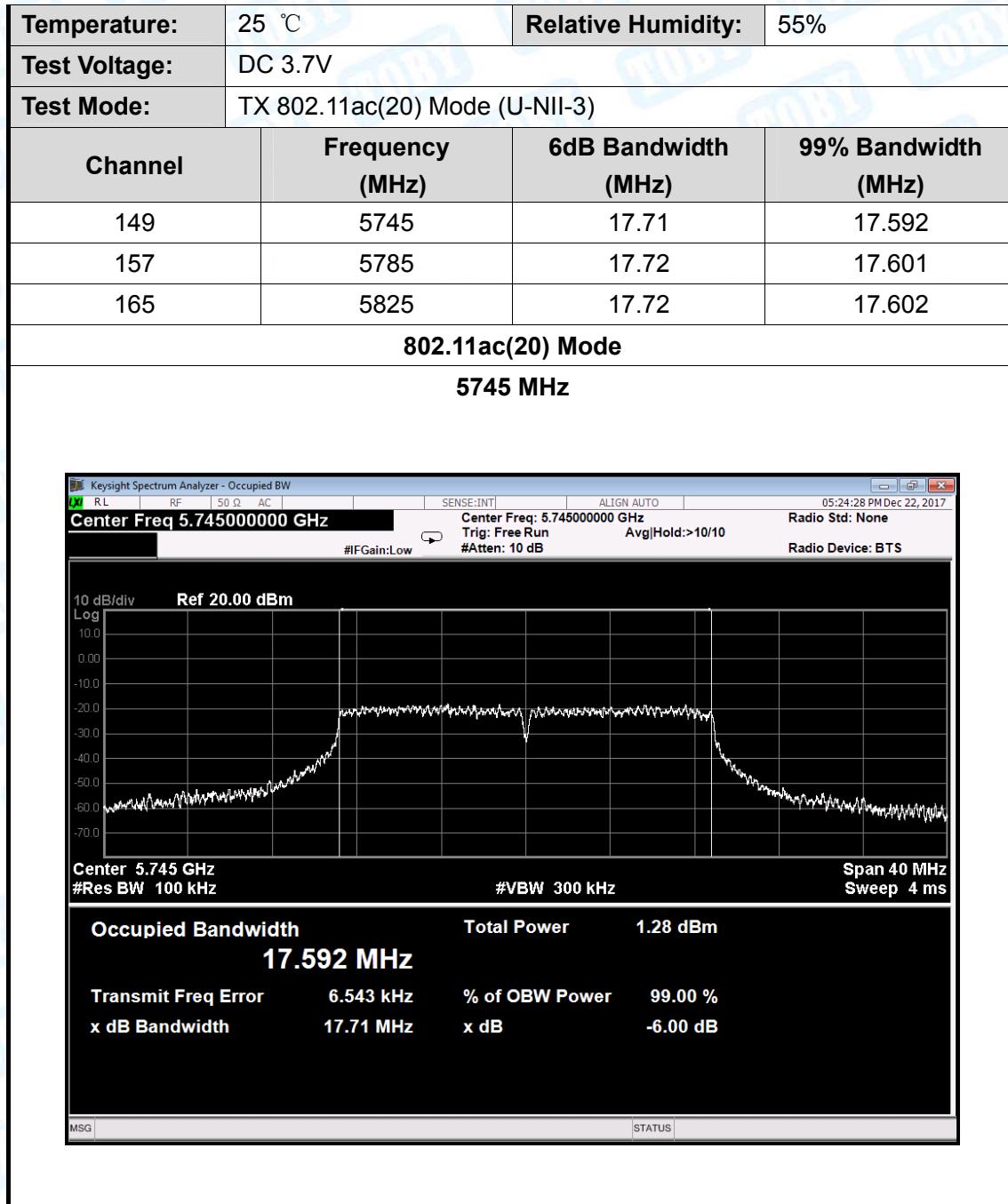


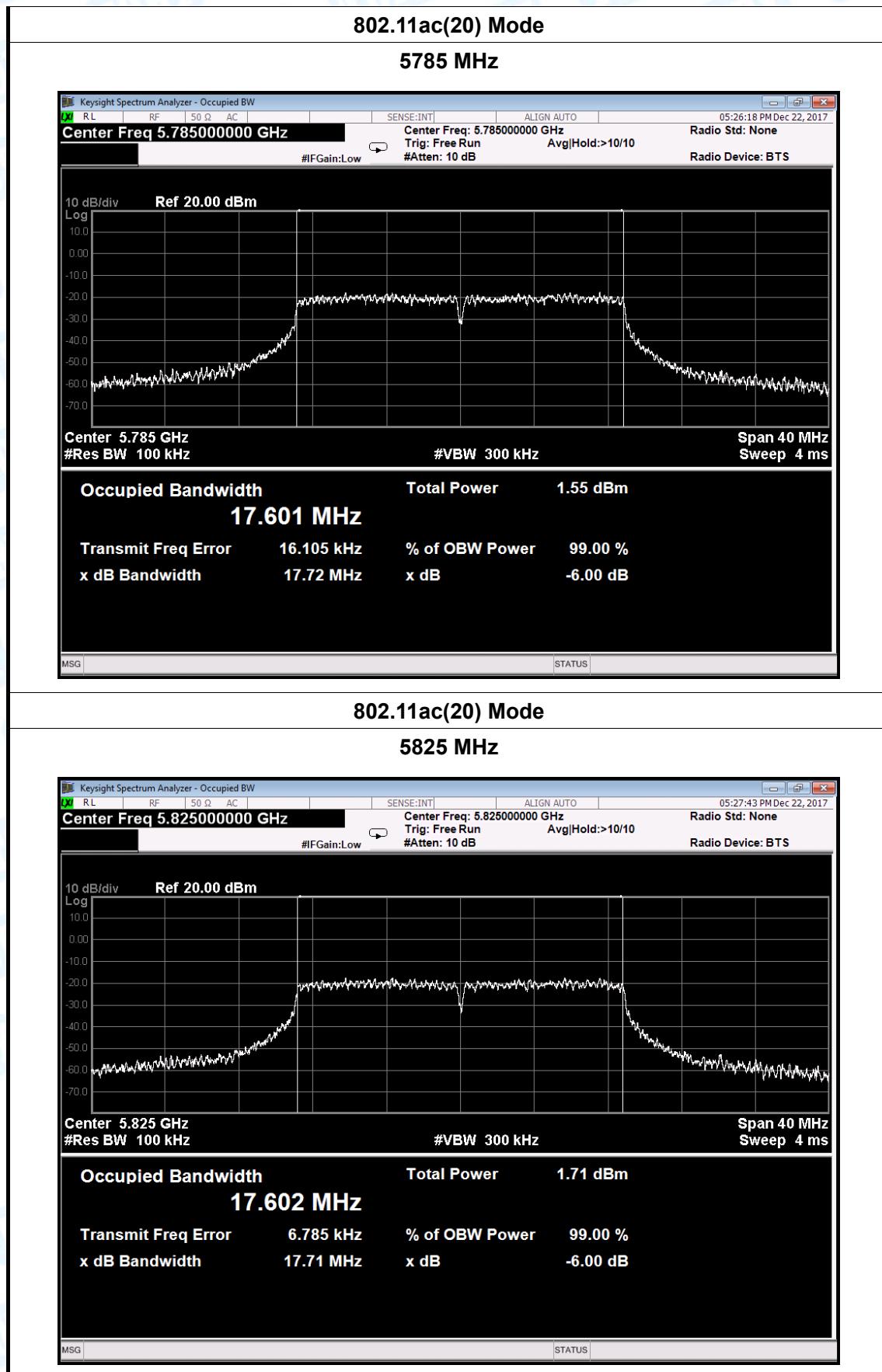


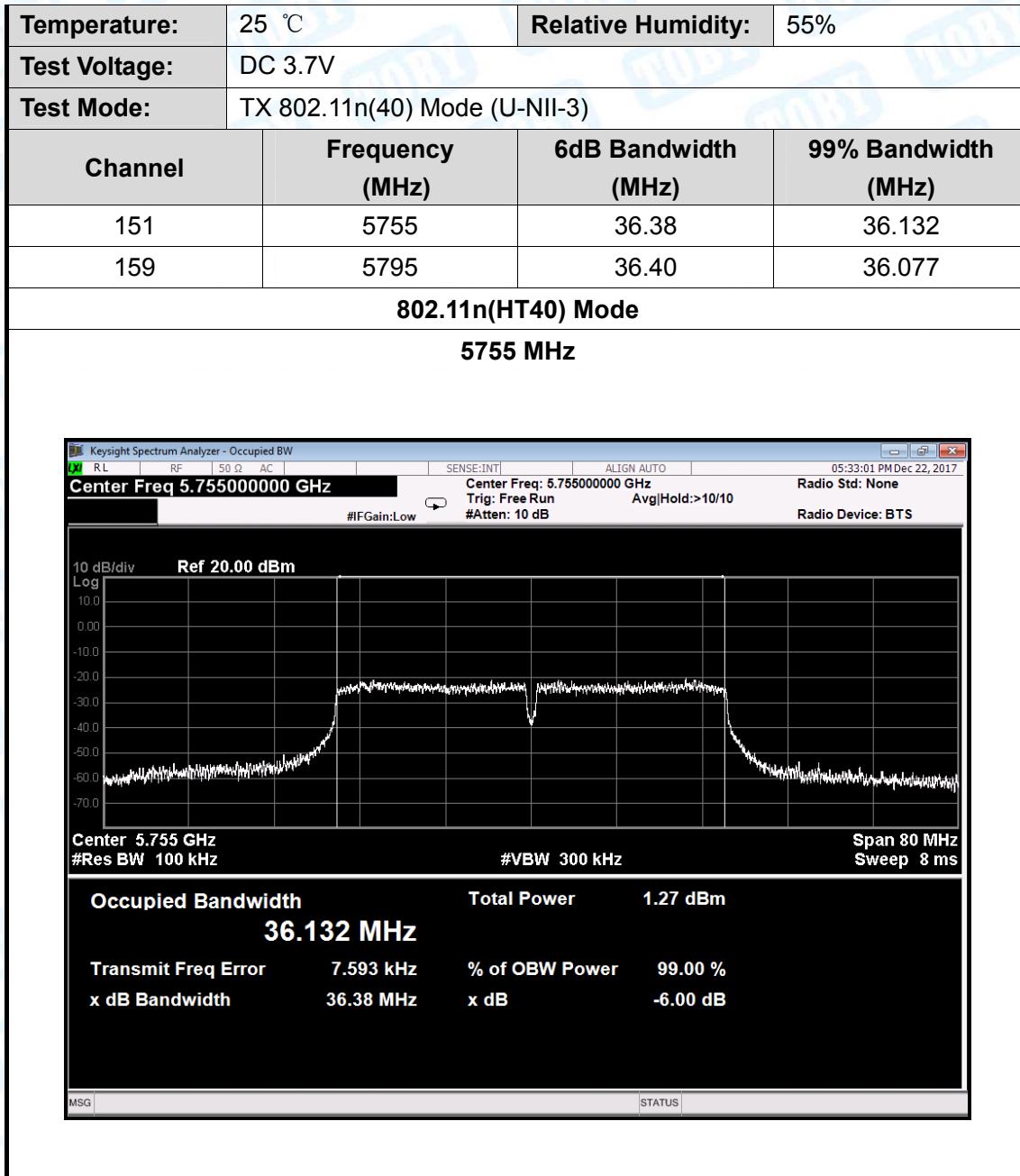


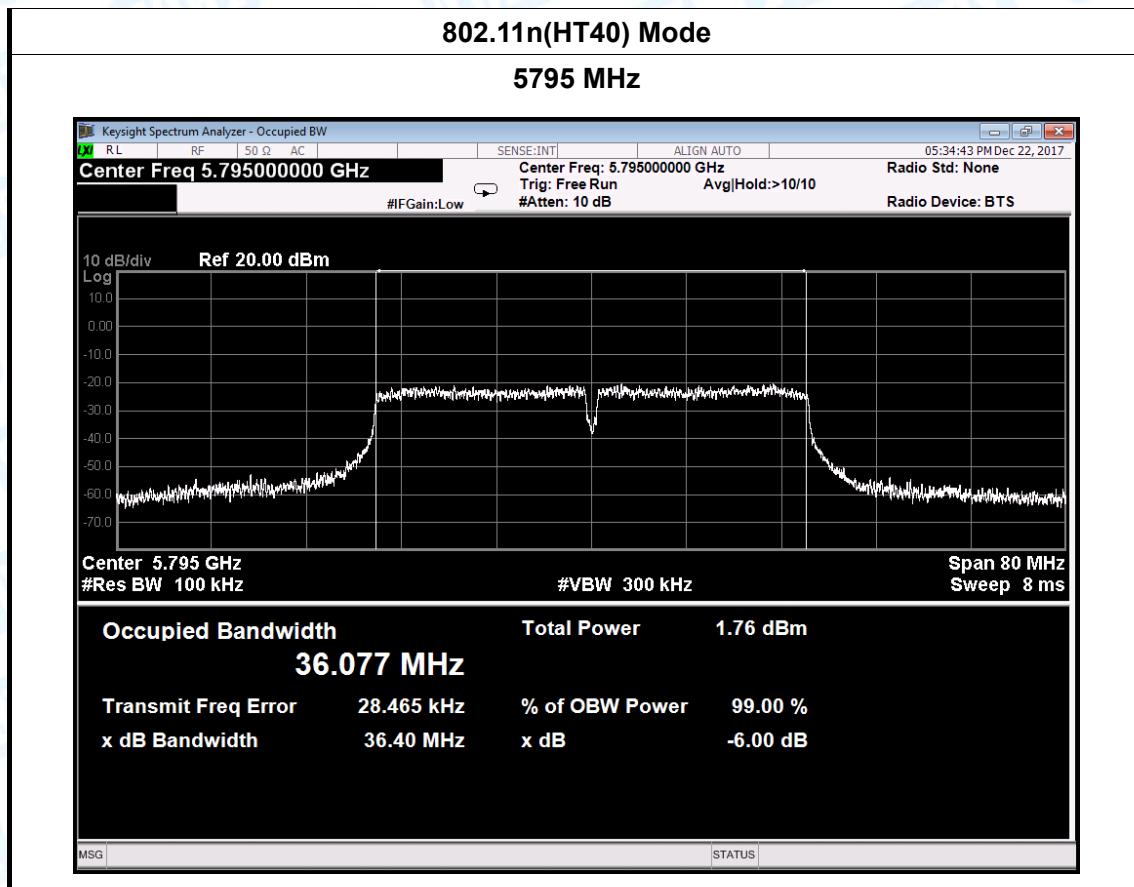


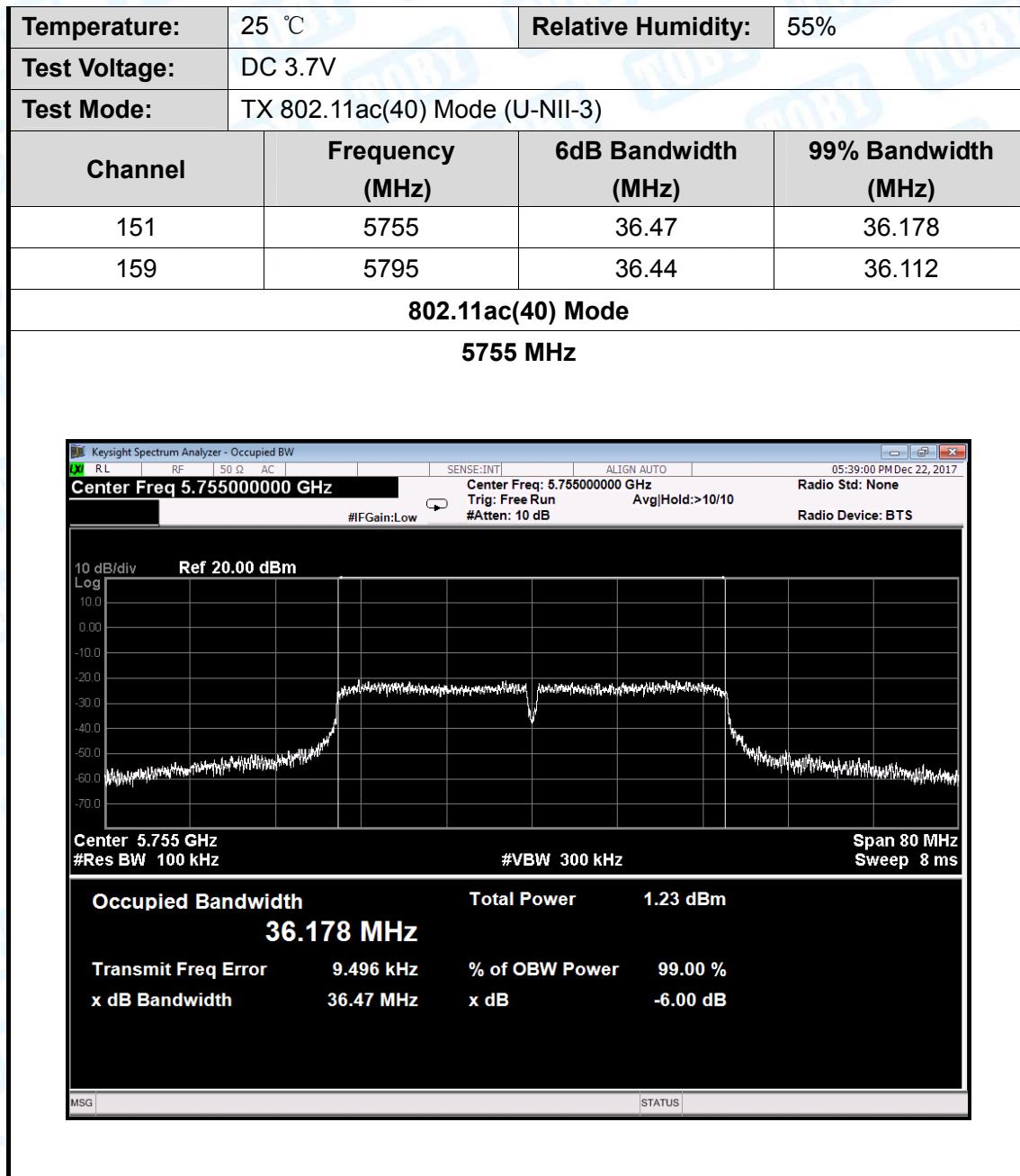


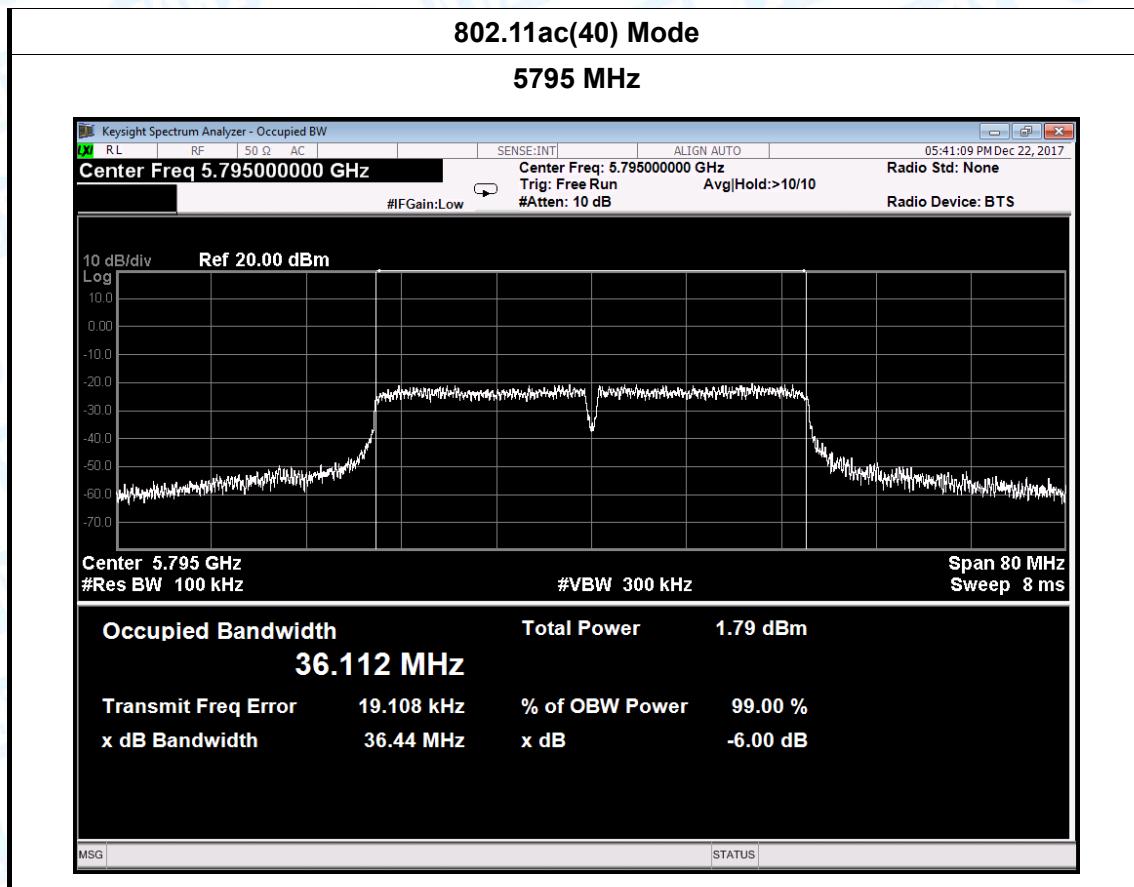


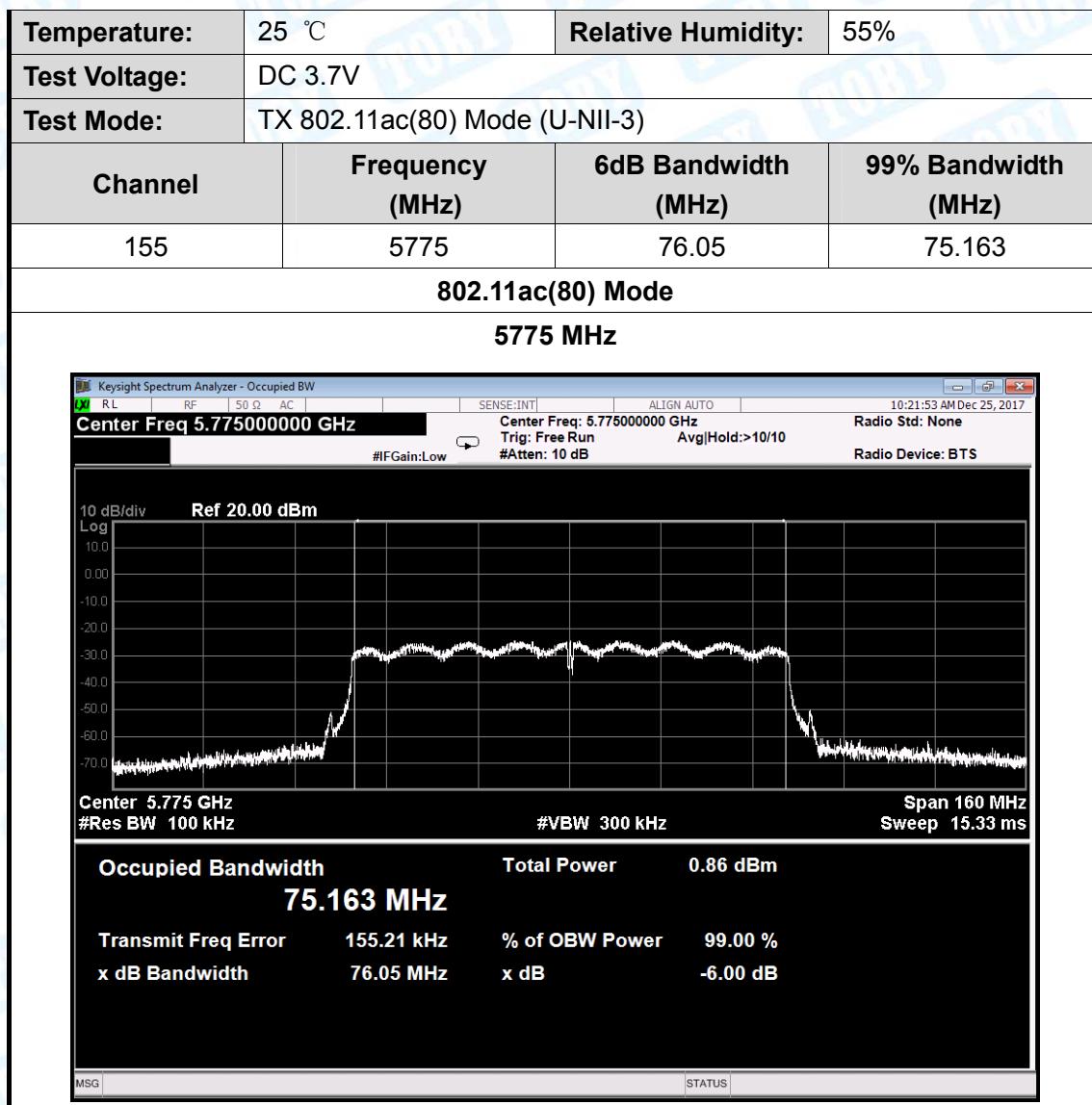












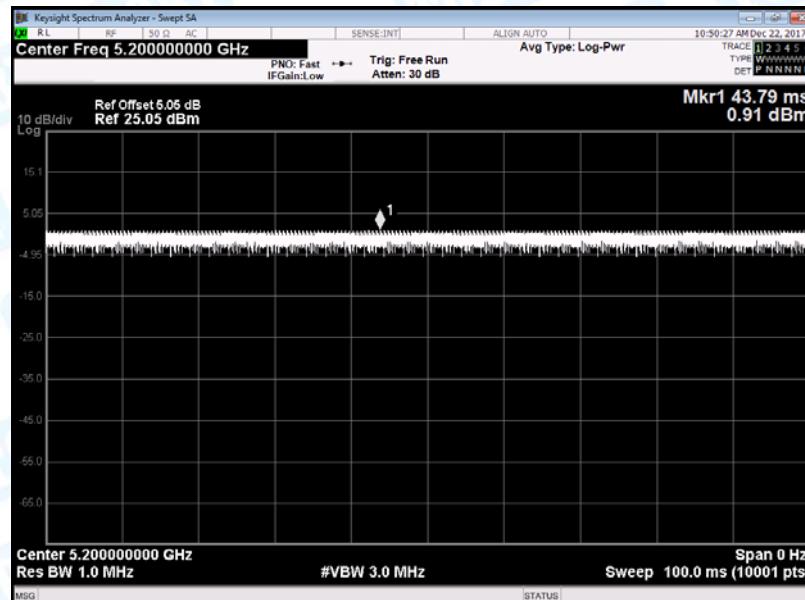
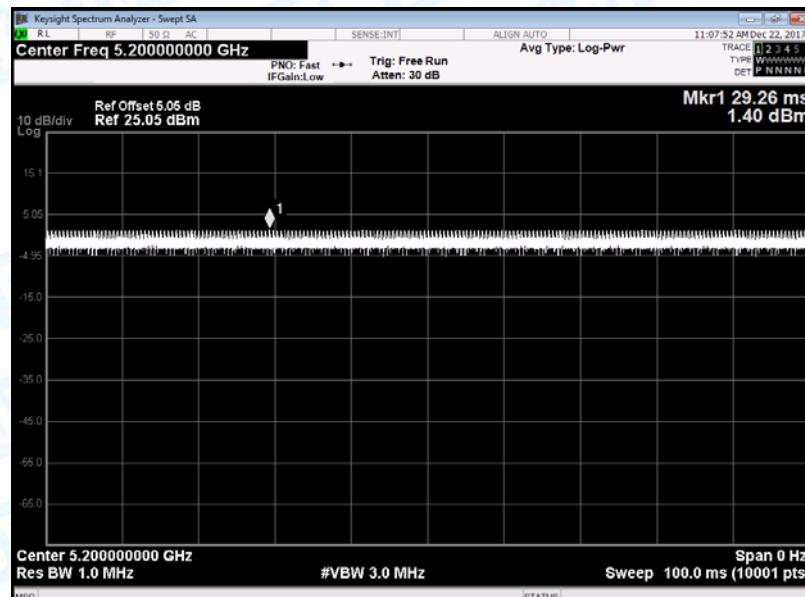
Attachment E-- Output Power Test Data

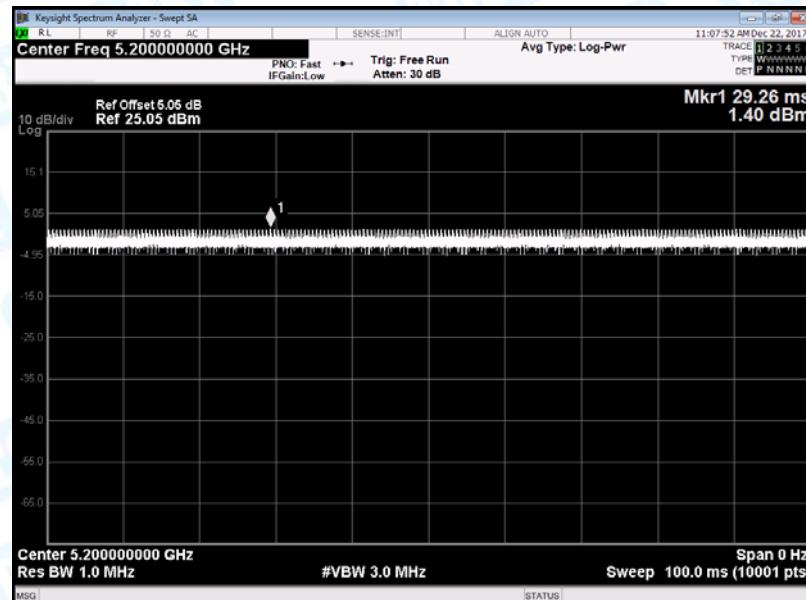
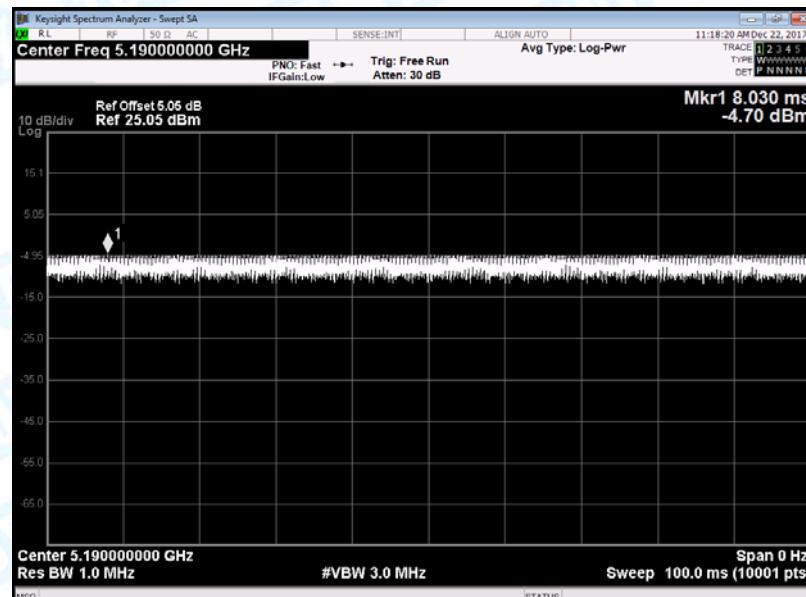
Test Conditions:		Continuous transmitting Mode					
Temperature:		25 °C	Relative Humidity:		55%		
Test Voltage:		DC 3.7V					
U-NII-1							
Test Mode		Test Data			23		
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)			
802.11a	5180	12.12	0	12.12			
	5200	12.14	0	12.14			
	5240	12.47	0	12.47			
802.11n (HT20)	5180	12.50	0	12.50			
	5200	12.01	0	12.01			
	5240	12.24	0	12.24			
802.11ac (HT20)	5180	12.02	0	12.02			
	5200	11.92	0	11.92			
	5240	12.45	0	12.45			
802.11n (HT40)	5190	11.98	0	11.98			
	5230	12.33	0	12.33			
802.11 ac(40)	5190	12.54	0	12.54			
	5230	12.59	0	12.59			
802.11 ac(80)	5210	11.96	0	11.96			
Result: PASS							
Remark:							
$P_{out} = P_{limit} - (G_{TX} - 6) = 24 - (7 - 6) = 23 \text{ dBm}$							

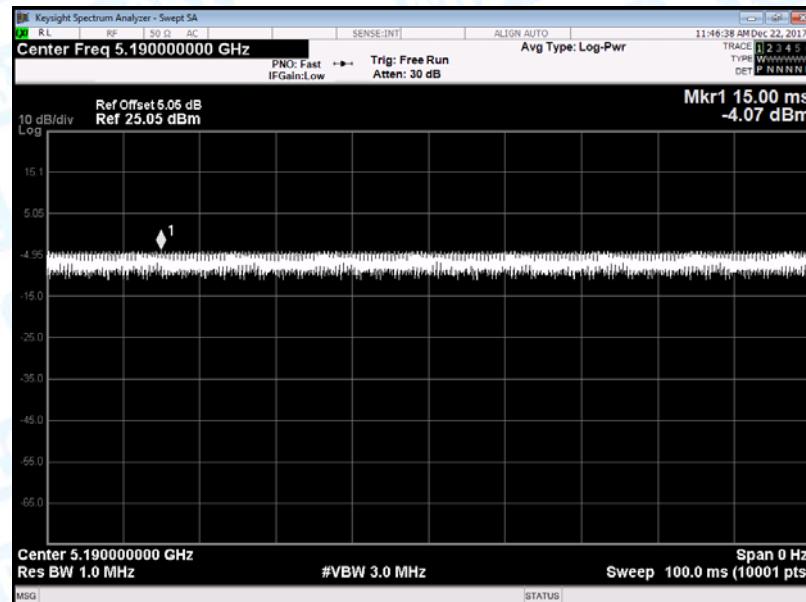
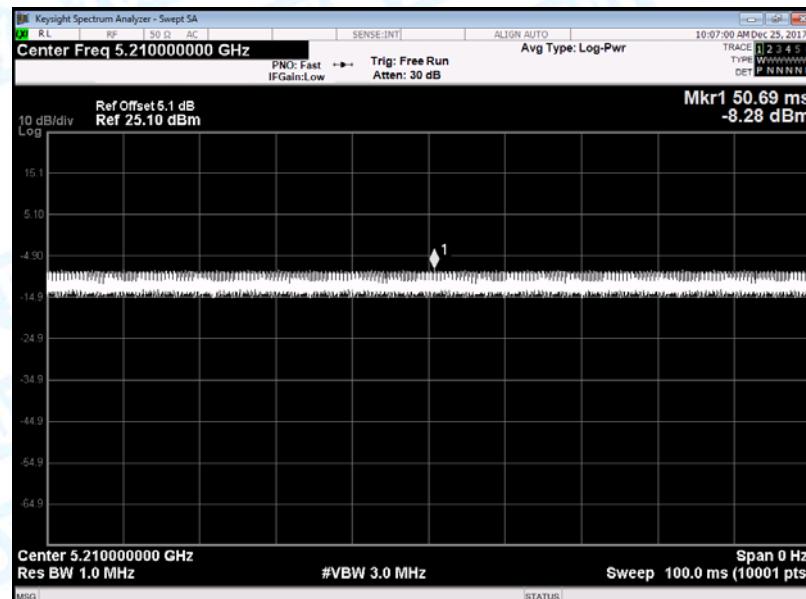
Test Conditions:		Continuous transmitting Mode					
Temperature:		25 °C	Relative Humidity:		55%		
Test Voltage:		DC 3.7V					
U-NII-3							
Test Mode	Frequency (MHz)	Test Data			Limit (dBm)		
		Conducted Power (dBm)	Duty Factor (dB)	Total Power (dBm)			
802.11a	5745	6.32	0	6.32	29		
	5785	6.72	0	6.72			
	5825	7.00	0	7.00			
802.11n (HT20)	5745	6.29	0	6.29			
	5785	6.47	0	6.47			
	5825	6.76	0	6.76			
802.11ac (HT20)	5745	6.32	0	6.32			
	5785	6.54	0	6.54			
	5825	6.78	0	6.78			
802.11n (HT40)	5755	6.37	0	6.37			
	5795	7.04	0	7.04			
802.11 ac(40)	5755	6.28	0	6.28			
	5795	6.97	0	6.97			
802.11 ac(80)	5775	6.27	0	6.27			
Result: PASS							
Remark:							
$P_{out} = P_{limit} - (G_{TX} - 6) = 30 - (7 - 6) = 29 \text{ dBm}$							

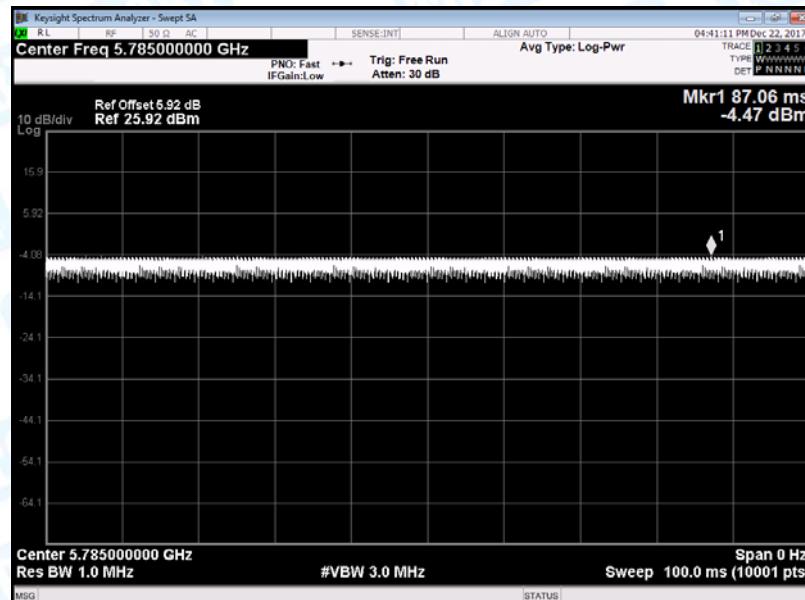
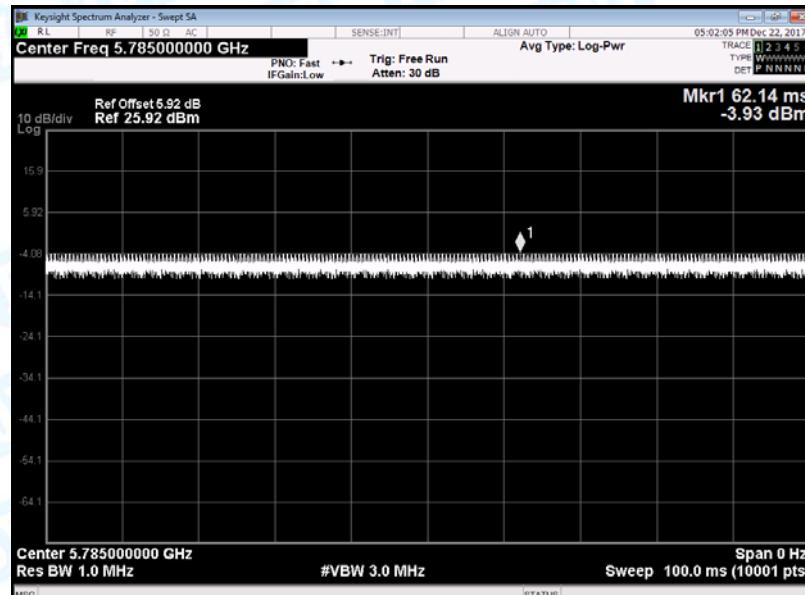
Test Mode		Duty cycle
U-NII-1	802.11 a	>98%
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	
U-NII-3	802.11 a	>98%
	802.11 n(HT20)	
	802.11 ac(HT20)	
	802.11 n(HT40)	
	802.11 ac(HT40)	
	802.11 ac(HT80)	

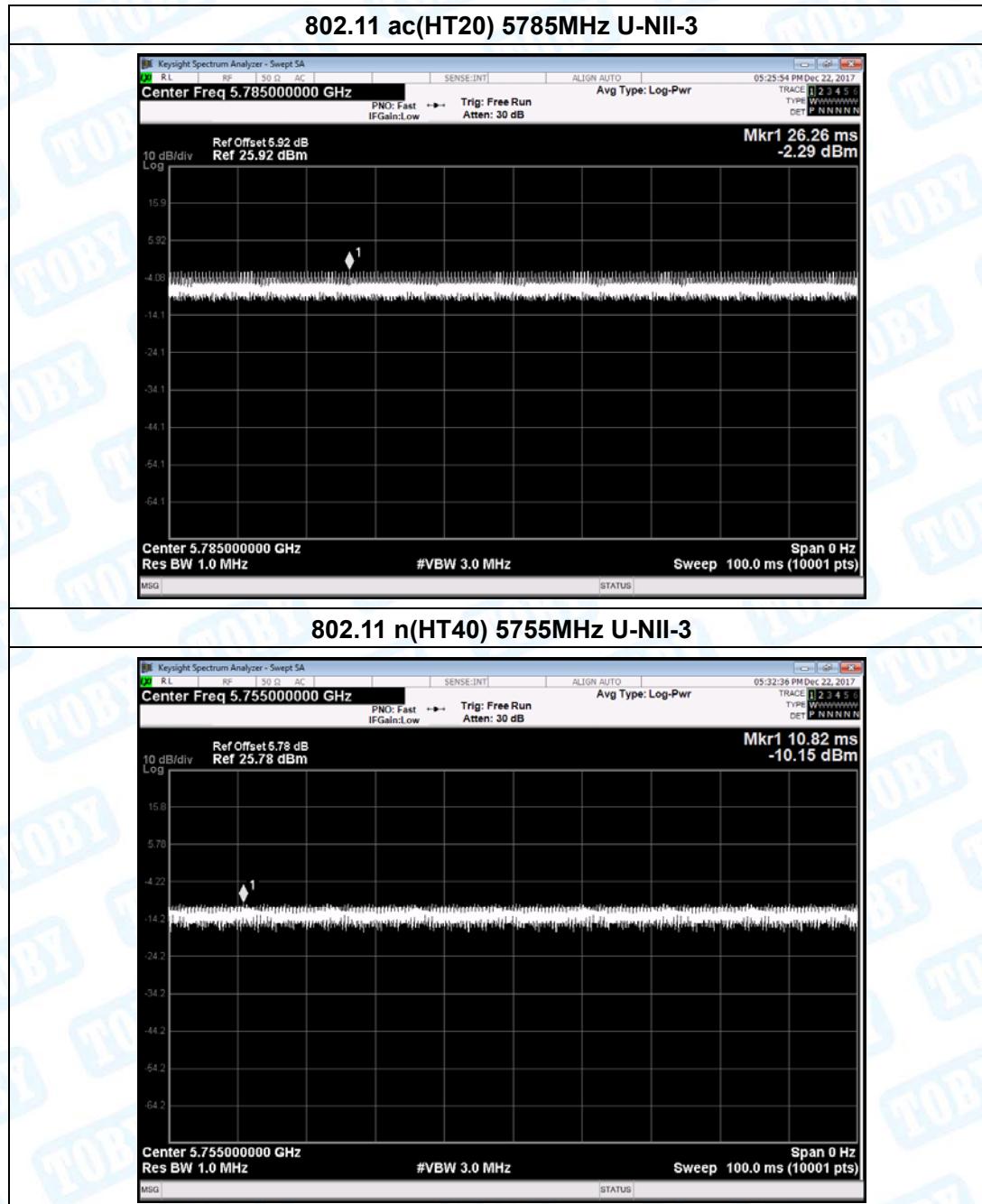
Please see the next plots.

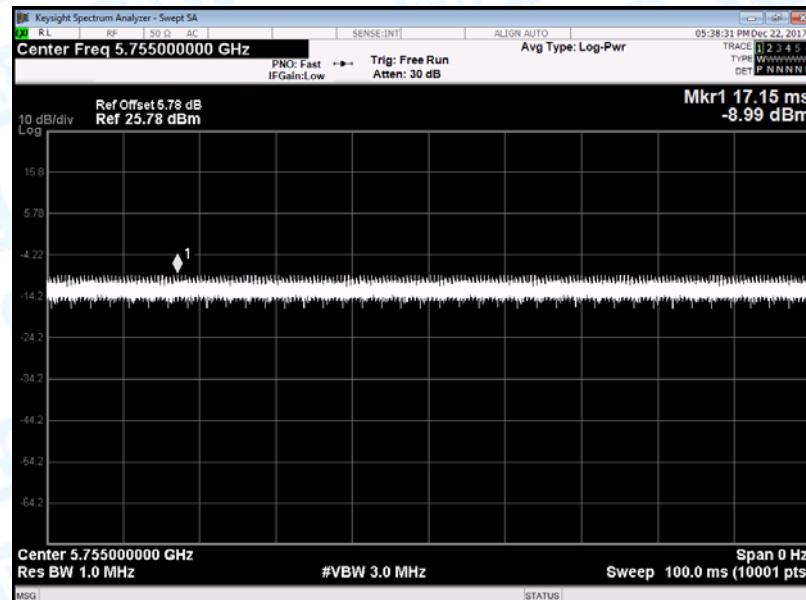
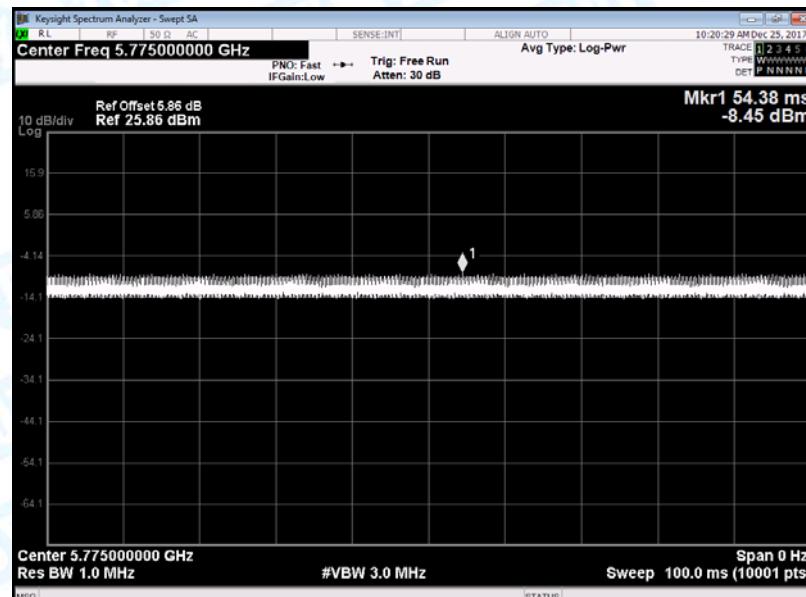
802.11 a 5200MHz U-NII-1**802.11 n(HT20) 5200MHz U-NII-1**

802.11 ac(HT20) 5200MHz U-NII-1**802.11 n(HT40) 5190MHz U-NII-1**

802.11 ac(HT40) 5190MHz U-NII-1**802.11 ac(HT80) 5210MHz U-NII-1**

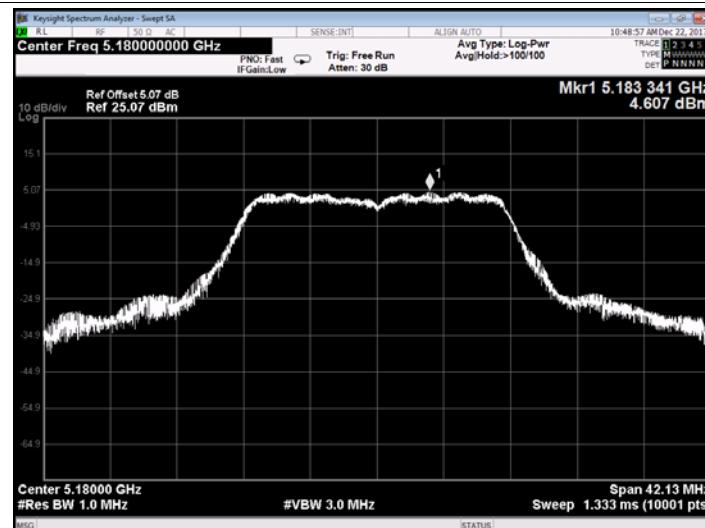
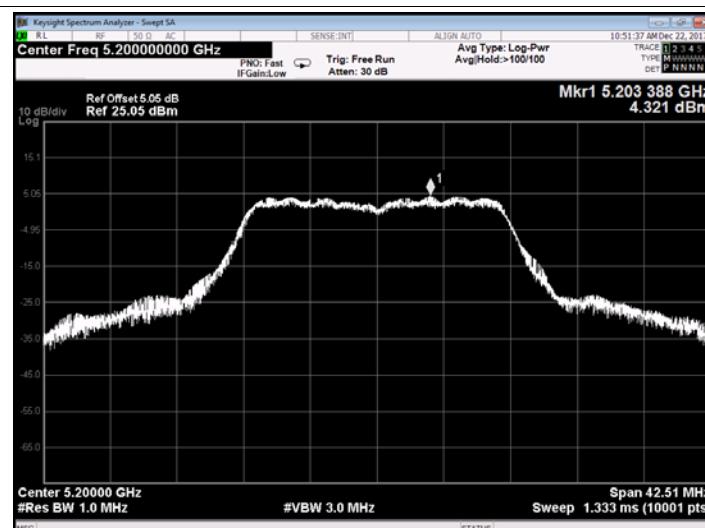
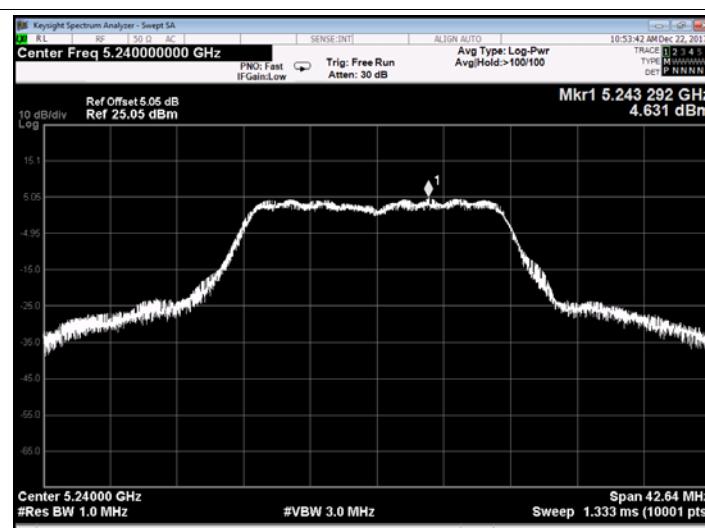
802.11 a 5785MHz U-NII-3**802.11 n(HT20) 5785MHz U-NII-3**

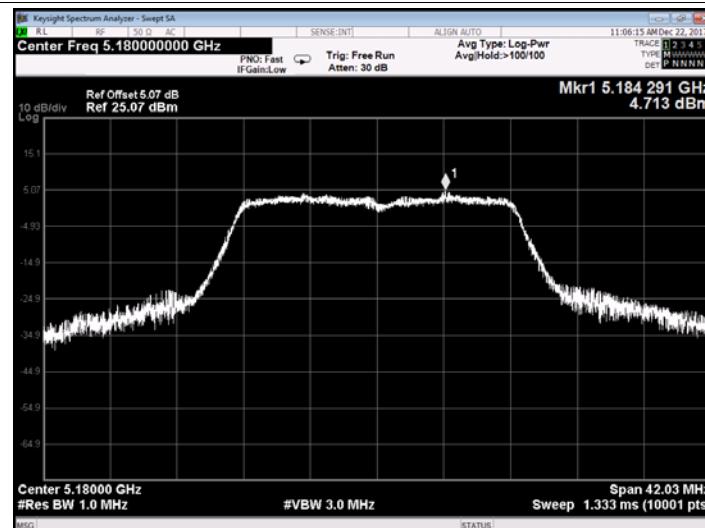
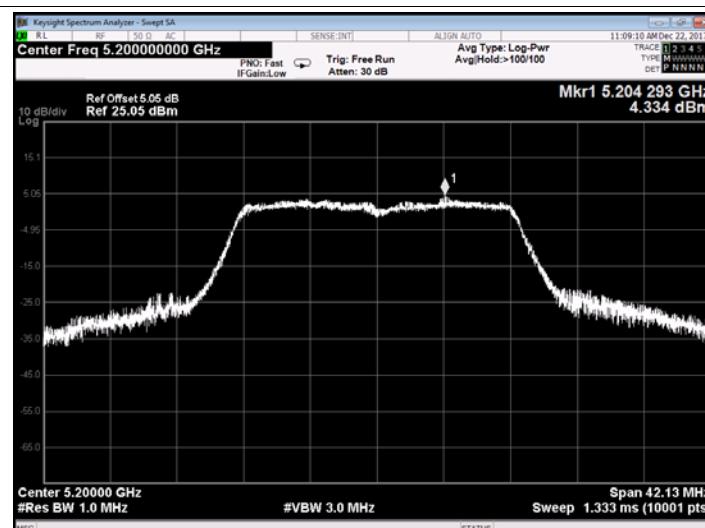
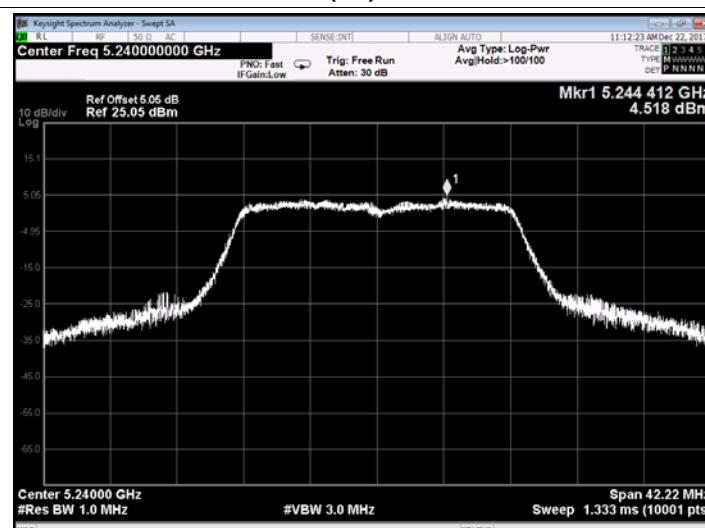


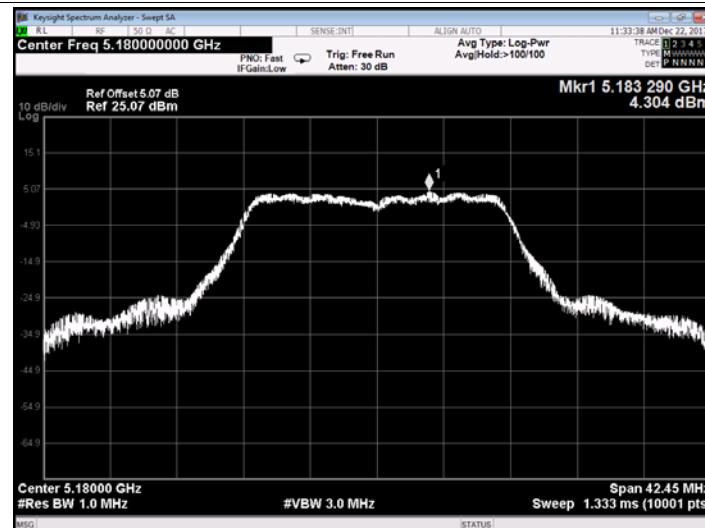
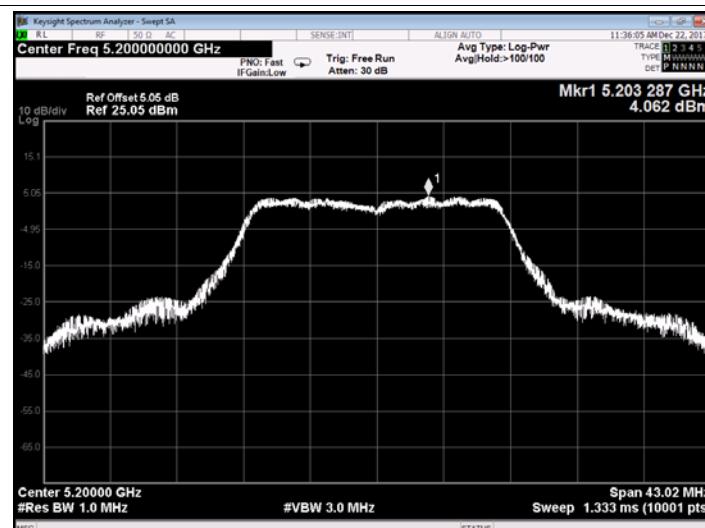
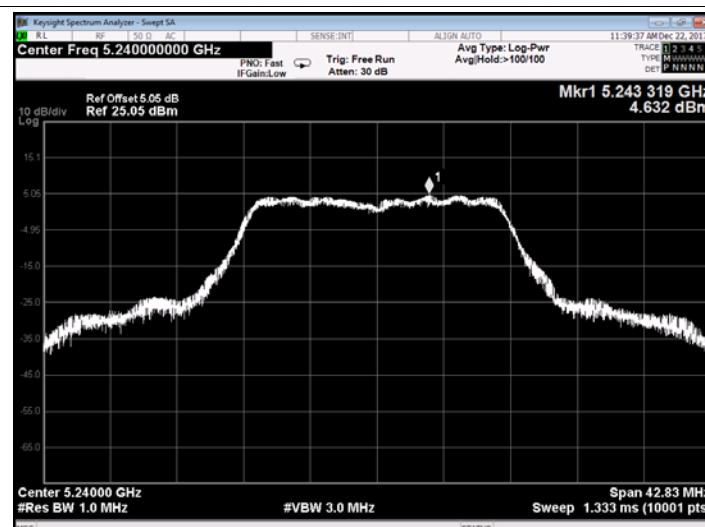
802.11 ac(HT40) 5755MHz U-NII-3**802.11 ac(HT80) 5775MHz U-NII-3**

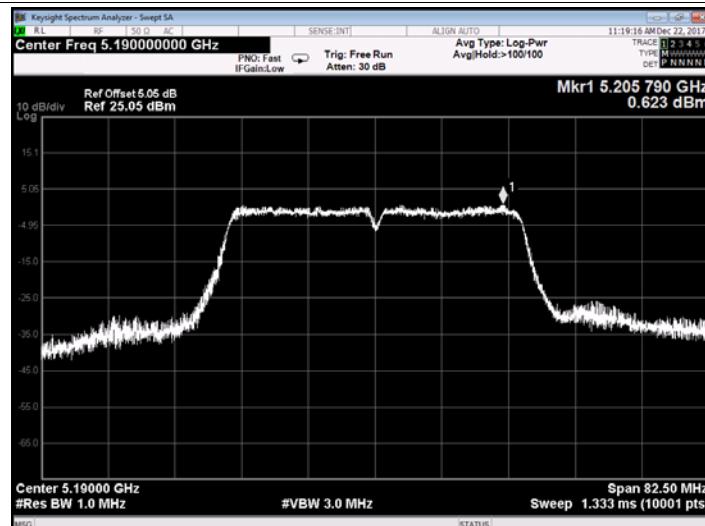
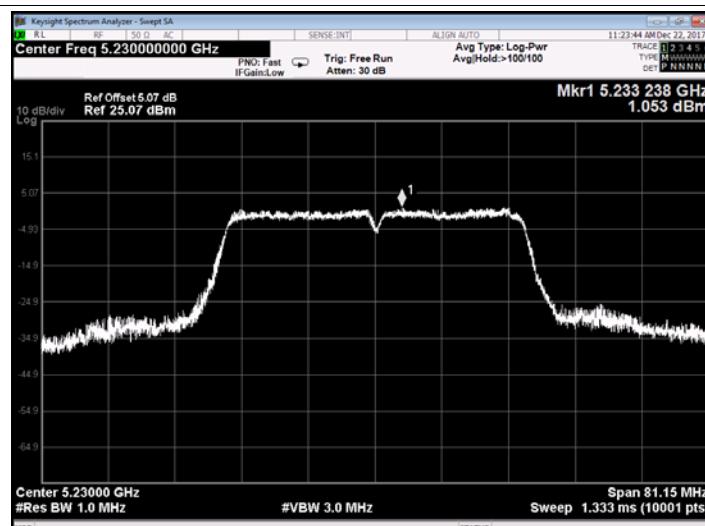
Attachment F-- Power Spectral Density Test Data

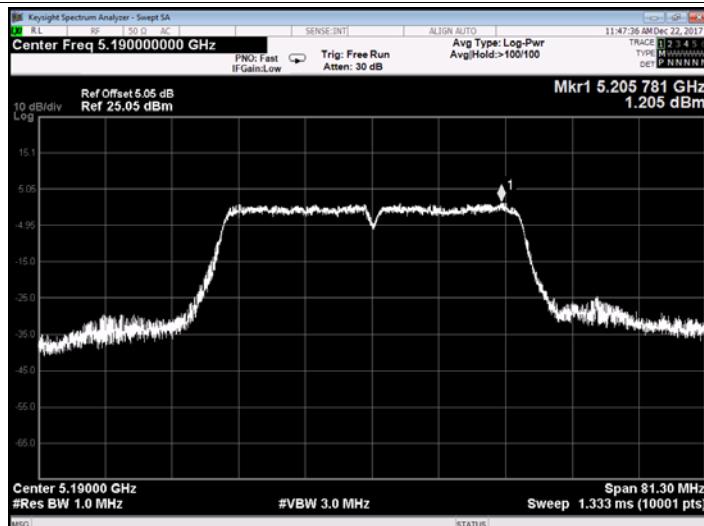
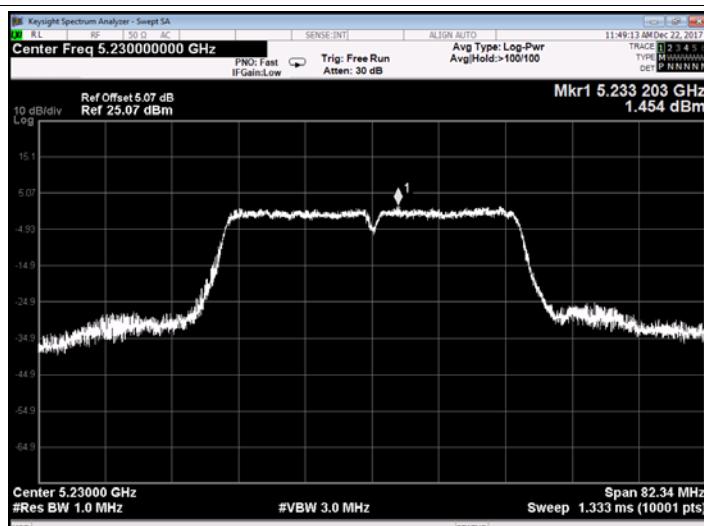
Test Conditions:	Continuous transmitting Mode		
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
U-NII-1			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)
		Power Density (dBm/MHz)	
802.11a	5180	4.607	10
	5200	4.321	
	5240	4.631	
802.11n (HT20)	5180	4.713	
	5200	4.334	
	5240	4.518	
802.11ac (HT20)	5180	4.304	
	5200	4.062	
	5240	4.632	
802.11n (HT40)	5190	0.623	
	5230	1.053	
802.11ac(40)	5190	1.205	
	5230	1.454	
802.11ac(80)	5210	-6.969	
Result: PASS			
Remark:			
$PSD_{out} = PSD_{limit} - (G_{TX} - 6) = 11 - (7 - 6) = 10 \text{ dBm}$			
Test plots please refer to below pages:			

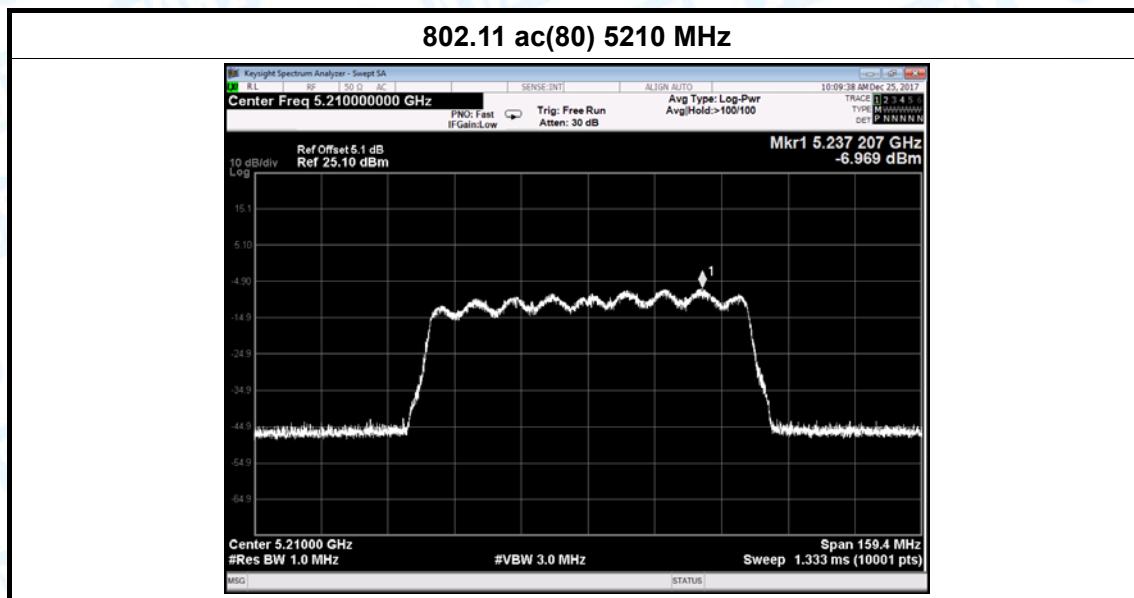
802.11 a 5180 MHz**802.11 a 5200 MHz****802.11 a 5240 MHz**

802.11 n(20) 5180 MHz**802.11 n(20) 5200 MHz****802.11 n(20) 5240 MHz**

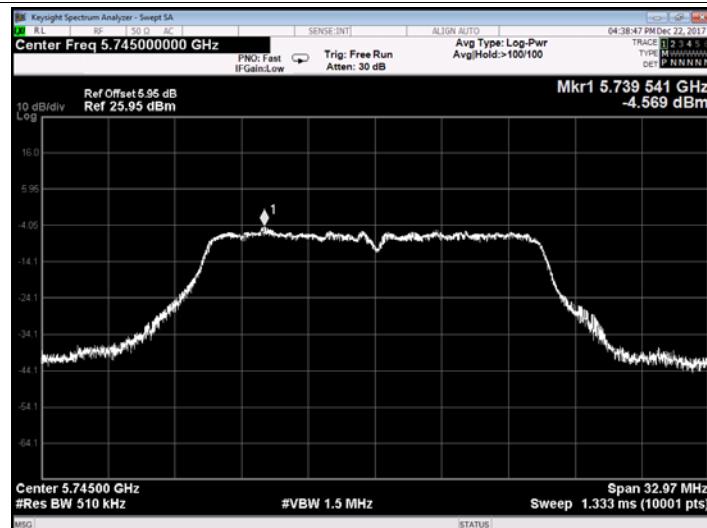
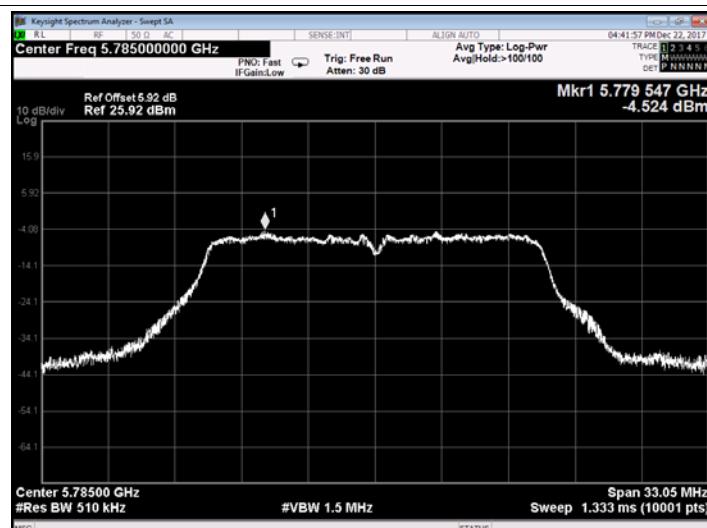
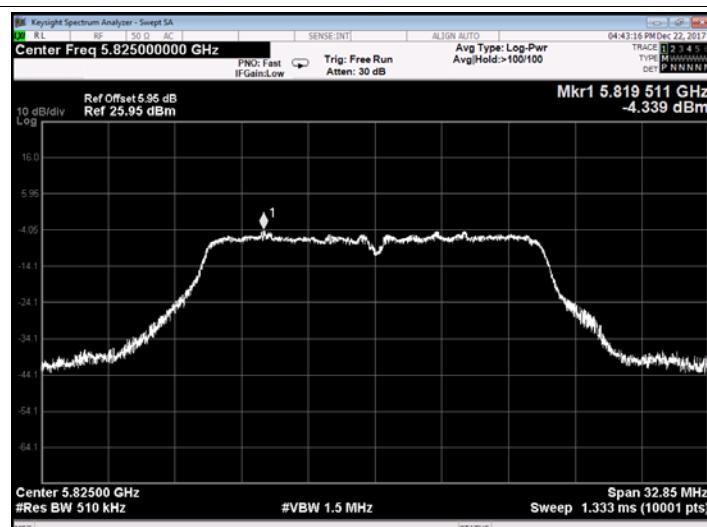
802.11 ac(20) 5180 MHz**802.11 ac(20) 5200 MHz****802.11 ac(20) 5240 MHz**

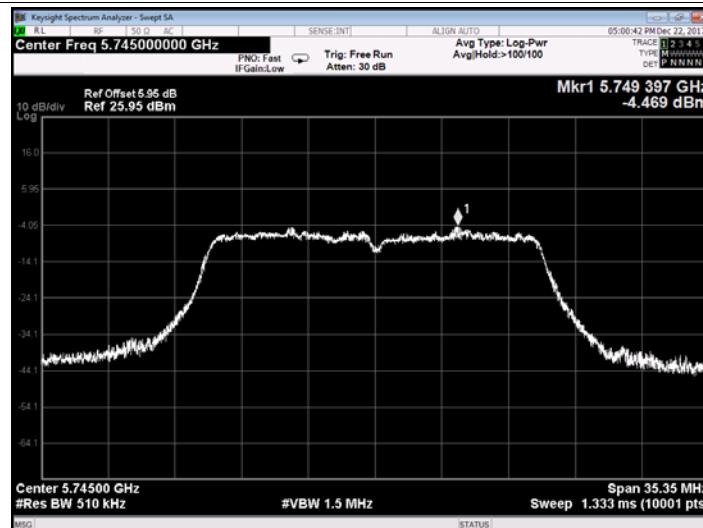
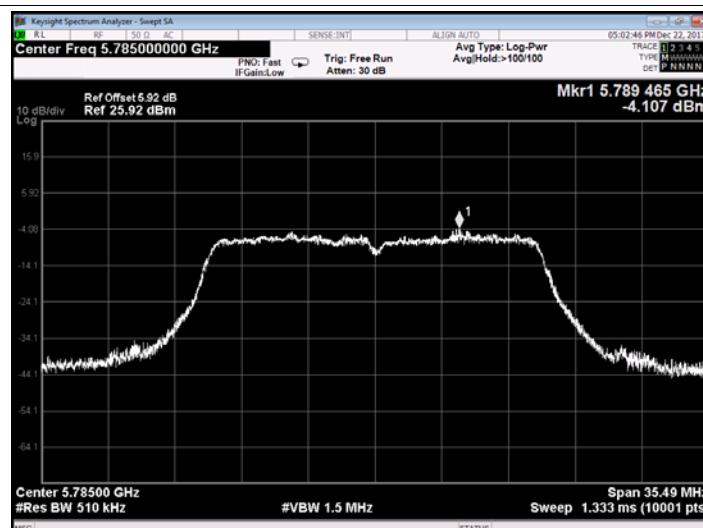
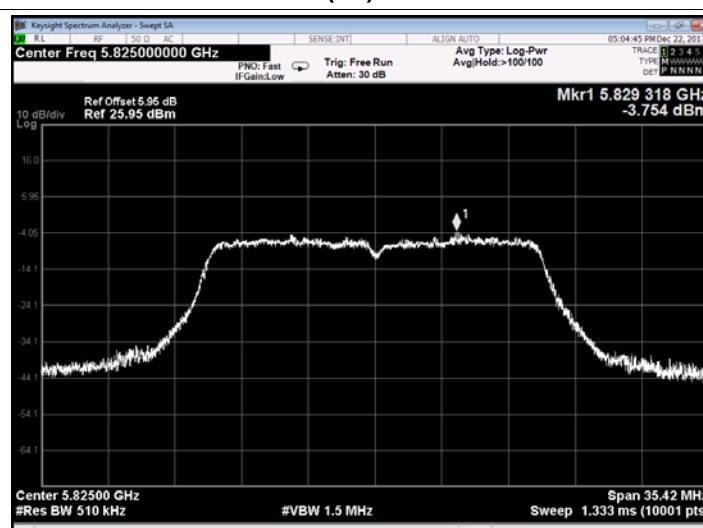
802.11 n(40) 5190 MHz**802.11 n(40) 5230 MHz**

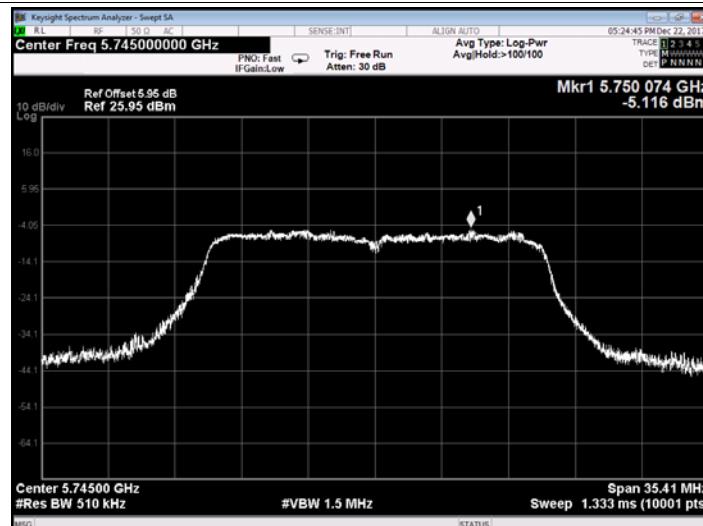
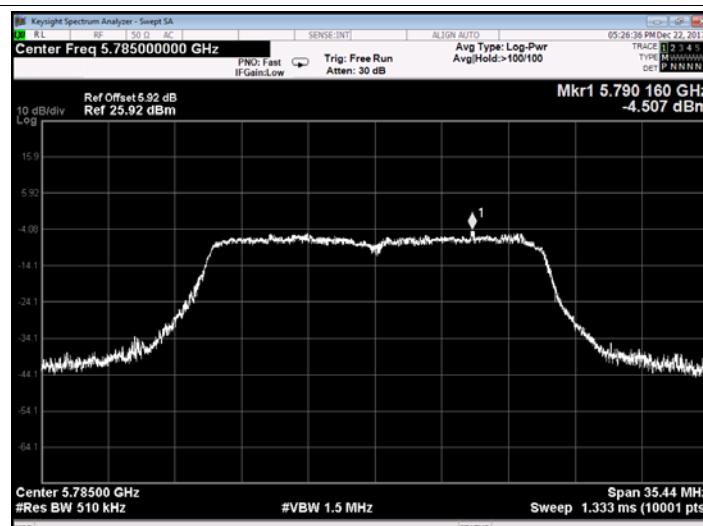
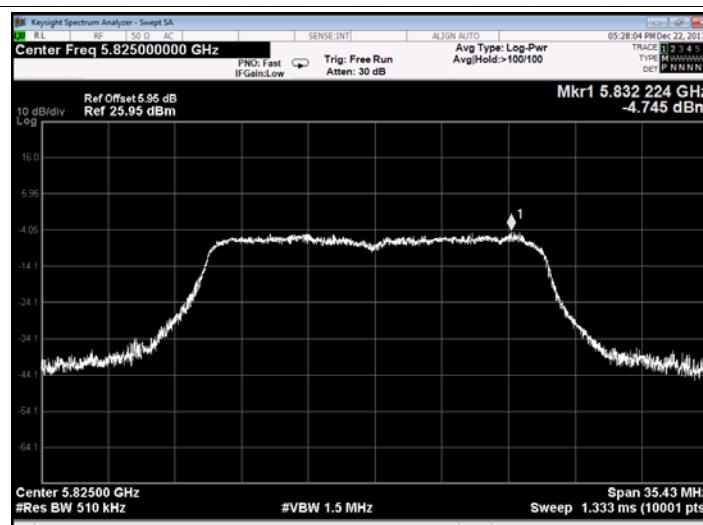
802.11 ac(40) 5190 MHz**802.11 ac(40) 5230 MHz**

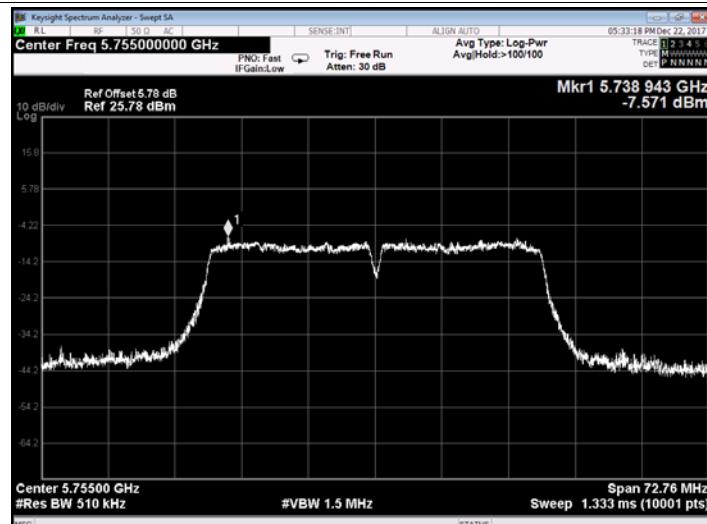
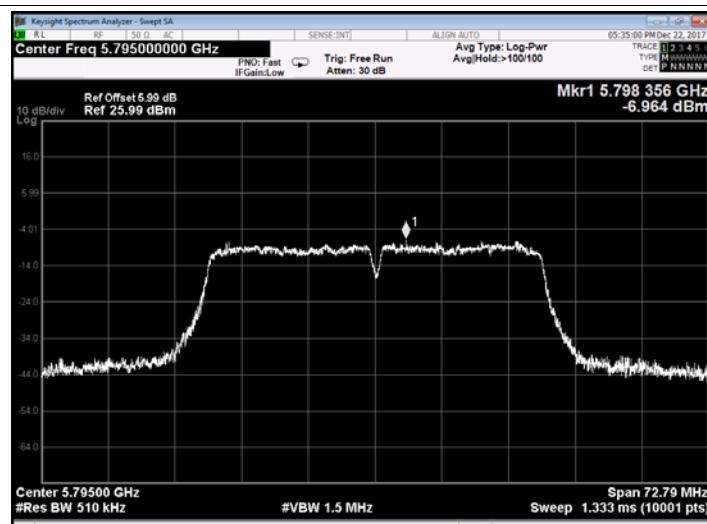


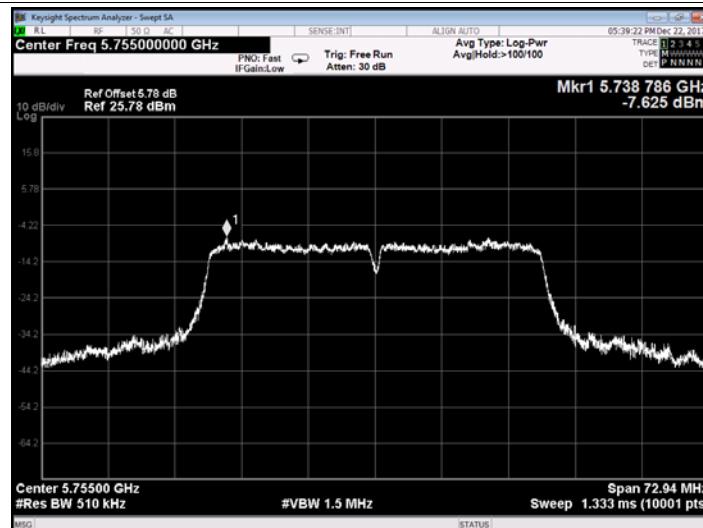
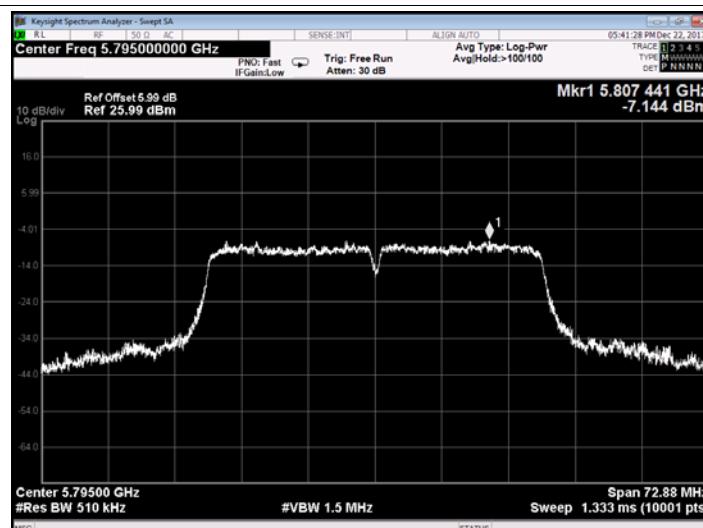
Test Conditions:	Continuous transmitting Mode		
Temperature:	25 °C	Relative Humidity:	55%
Test Voltage:	DC 3.7V		
U-NII-3			
Test Mode	Frequency (MHz)	Test Data	Limit (dBm)
		Power Density (dBm/510KHz)	
802.11a	5745	-4.569	29
	5785	-4.524	
	5825	-4.339	
802.11n (HT20)	5745	-4.469	
	5785	-4.107	
	5825	-3.754	
802.11ac (HT20)	5745	-5.116	
	5785	-4.507	
	5825	-4.745	
802.11n (HT40)	5755	-7.571	
	5795	-6.964	
802.11ac(40)	5755	-7.625	
	5795	-7.144	
802.11ac(80)	5775	-10.726	
Result: PASS			
Remark:			
$PSD_{out} = PSD_{limit} - (G_{TX} - 6) = 30 - (7 - 6) = 29 \text{ dBm}$			
Test plots please refer to below pages:			

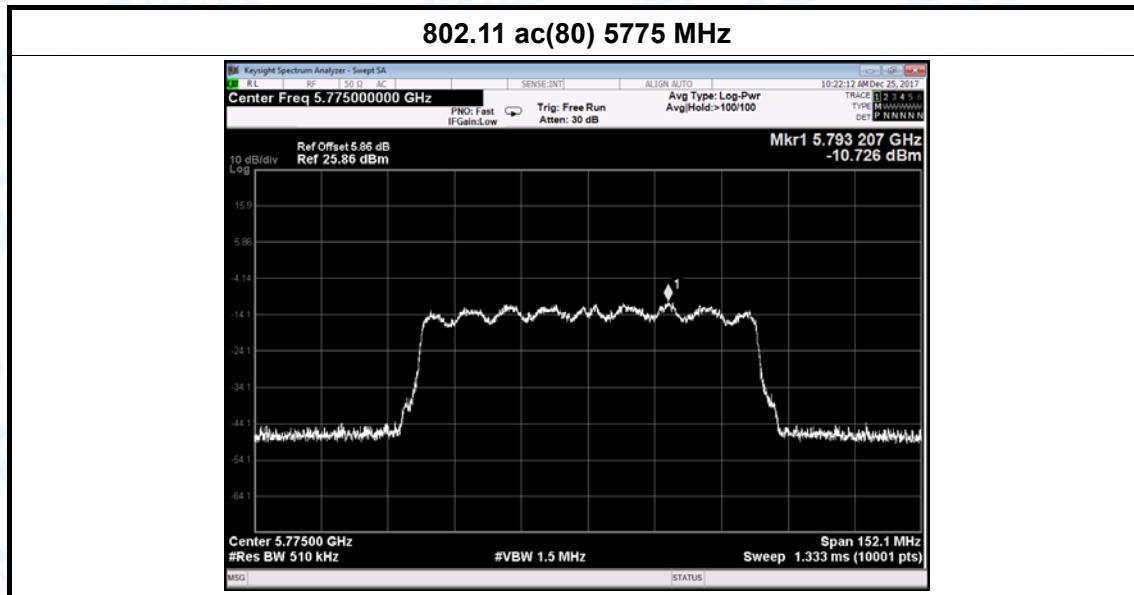
802.11 a 5745 MHz**802.11 a 5785 MHz****802.11 a 5825 MHz**

802.11 n(20) 5745 MHz**802.11 n(20) 5785 MHz****802.11 n(20) 5825 MHz**

802.11 ac(20) 5745 MHz**802.11 ac(20) 5785 MHz****802.11 ac(20) 5825 MHz**

802.11 n(40) 5755 MHz**802.11 n(40) 5795 MHz**

802.11 ac(40) 5755 MHz**802.11 ac(40) 5795 MHz**



Attachment G-- Frequency Stability Measurement Test Data

801.11a U-NII-1: 5180 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
3.70	5179.9951
4.20	5179.9954
3.15	5179.9945
Max. Deviation (MHz)	0.055
Max. Deviation (ppm)	1.06
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5179.9918
10	5179.9927
20	5179.9936
30	5179.9941
40	5179.9951
50	5179.9985
Max. Deviation (MHz)	0.0082
Max. Deviation (ppm)	1.58
Limit (ppm)	20
Result	Pass

801.11a U-NII-3: 5745 MHz	
Voltage vs. Frequency Stability	
Voltage (V)	Measurement Frequency (MHz)
3.70	5745.0054
4.20	5745.0093
3.15	5745.0097
Max. Deviation (MHz)	0.0097
Max. Deviation (ppm)	1.69
Temperature vs. Frequency Stability	
Temperature (°C)	Measurement Frequency (MHz)
0	5745.0078
10	5745.0051
20	5745.0084
30	5745.0052
40	5745.0041
50	5745.0058
Max. Deviation (MHz)	0.0084
Max. Deviation (ppm)	1.46
Limit (ppm)	20
Result	Pass