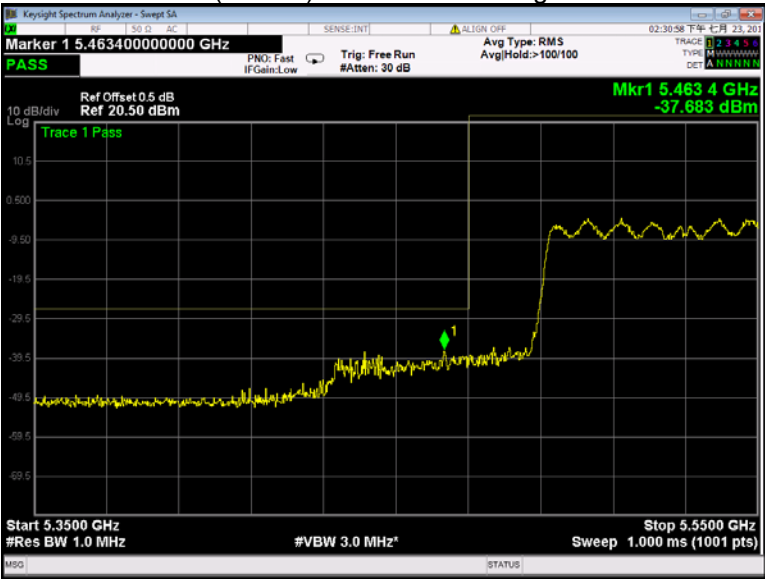
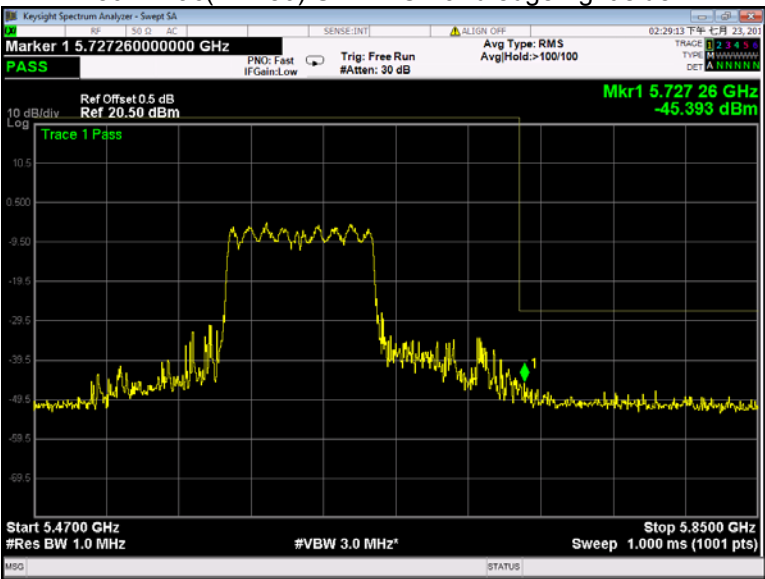


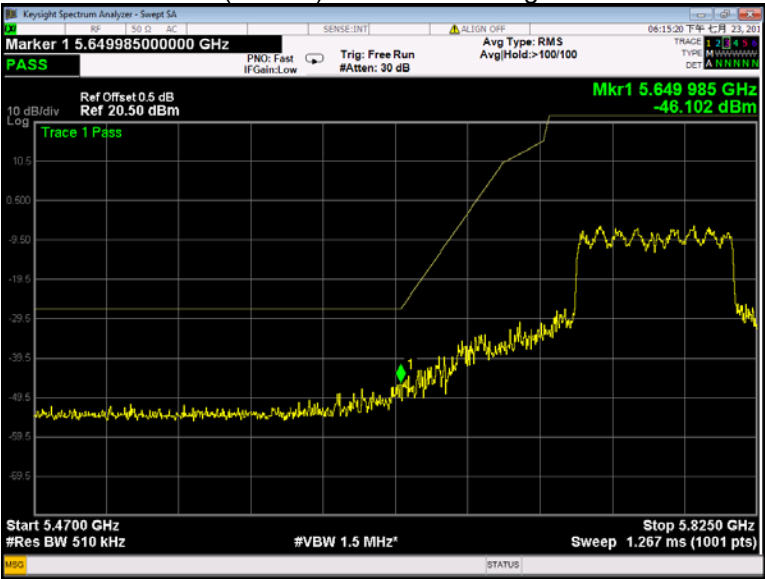
802.11ac(VHT80) U-NII-2C Band edge-left side



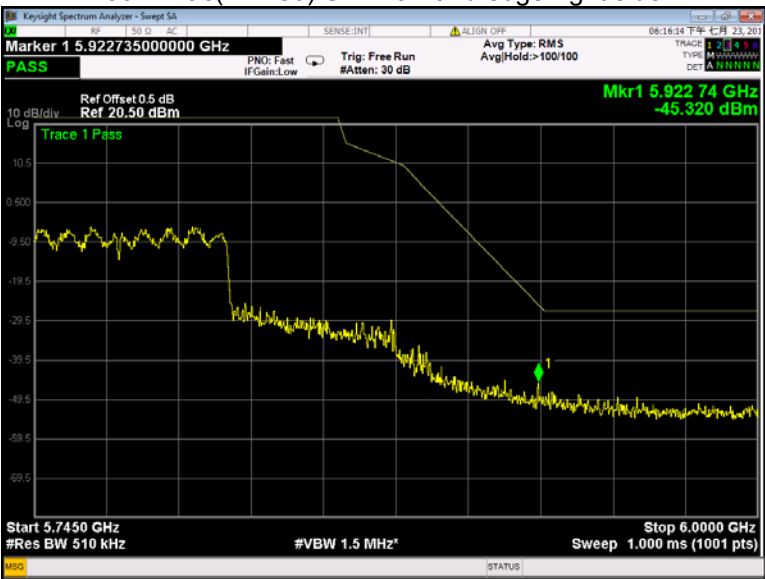
802.11ac(VHT80) U-NII-2C Band edge-right side



802.11ac(VHT80) U-NII-3 Band edge-left side



802.11ac(VHT80) U-NII-3 Band edge-right side



11 6 dB Bandwidth

Test Requirement: FCC 47CFR Part 15 Section 15.407(e)
 KDB662911 D01 Multiple Transmitter Output v02r01
 Test Method: KDB789033 D02 General U-NII Test Procedures New Rules v02r01
 Section C
 Test Limit: ≥ 500 kHz
 Test Result: PASS

11.1 Test Procedure

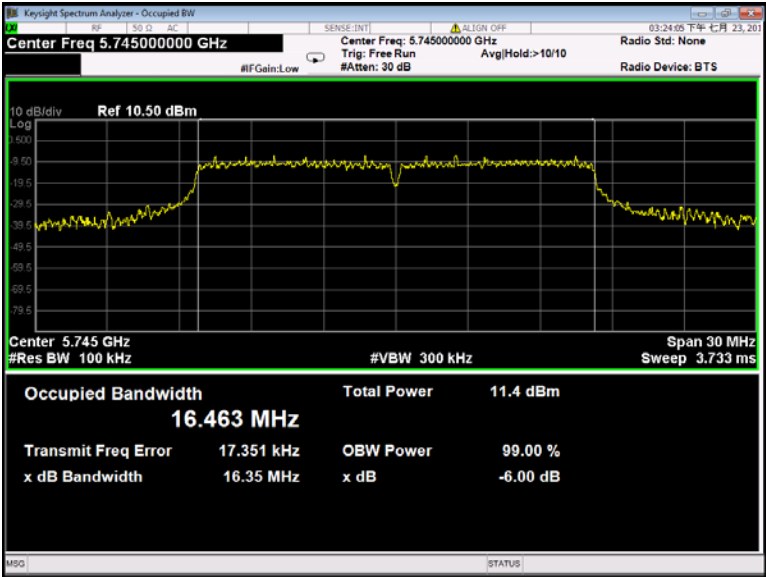
1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 100kHz, VBW = 300kHz

11.2 Test Result

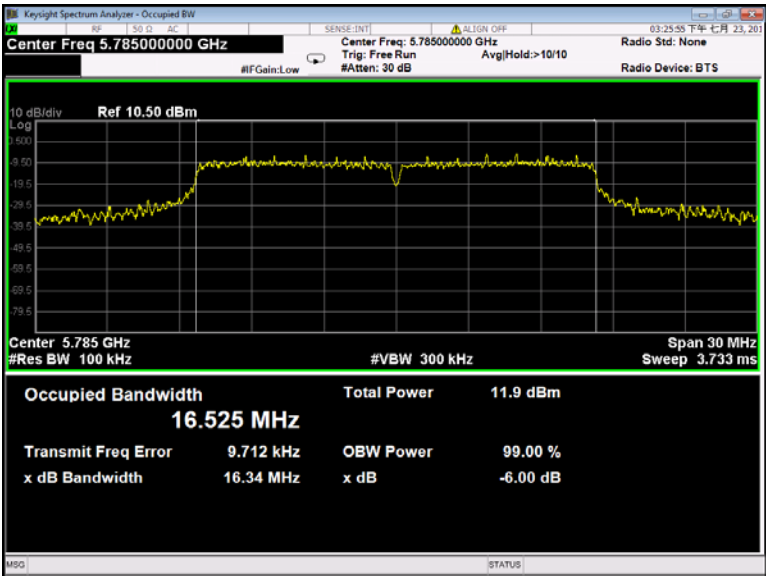
Band	Operation mode	6 dB Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.463	16.525	16.566
	802.11n(HT20)	17.632	17.681	17.741
	802.11n(HT40)	36.154	/	36.268
	802.11ac(VHT20)	17.635	17.704	17.788
	802.11ac(VHT40)	36.192	/	36.267
	802.11ac(VHT80)	/	75.488	/

Test result plots shown as follows:

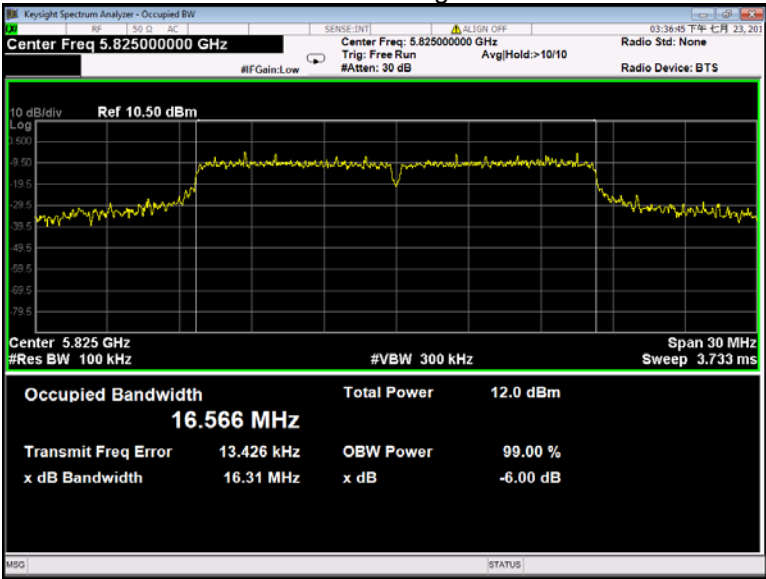
802.11a U-NII-3 Low channel



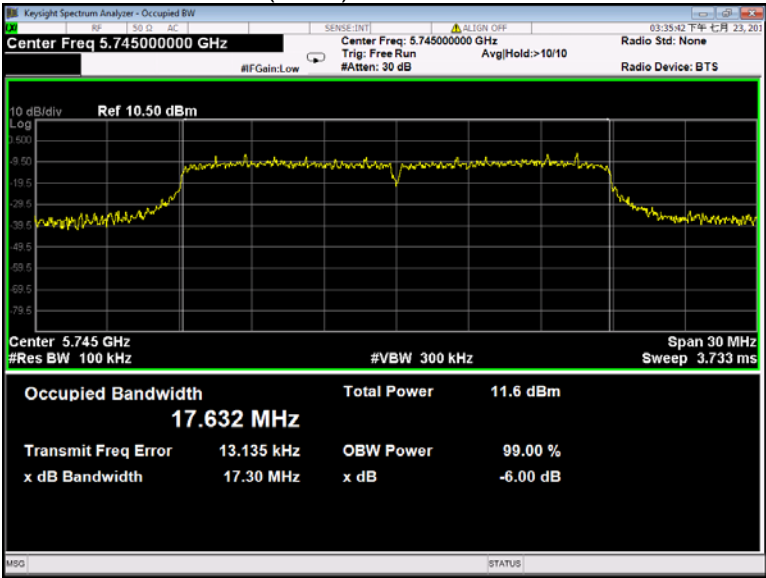
802.11a U-NII-3 Middle channel



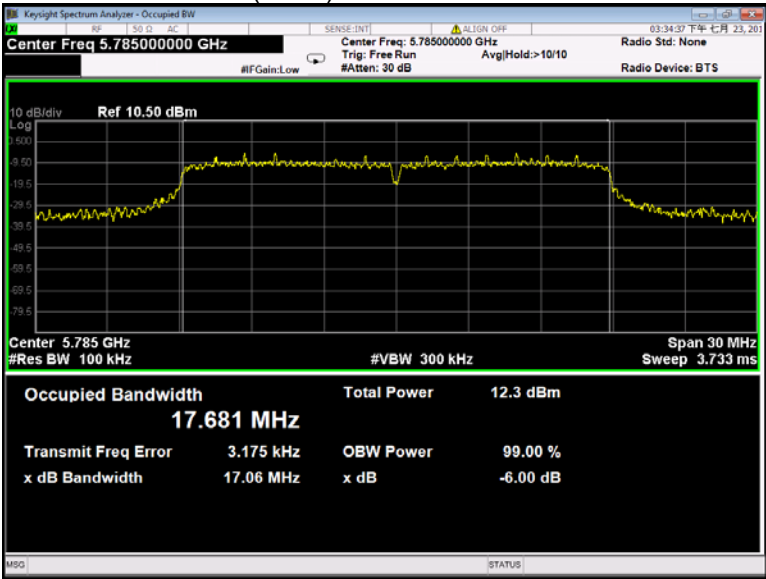
802.11a U-NII-3 High channel



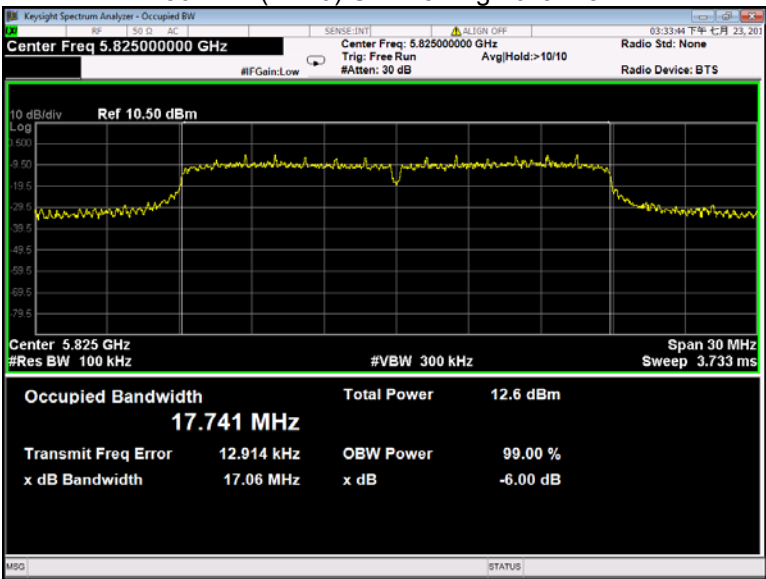
802.11n(HT20) U-NII-3 Low channel



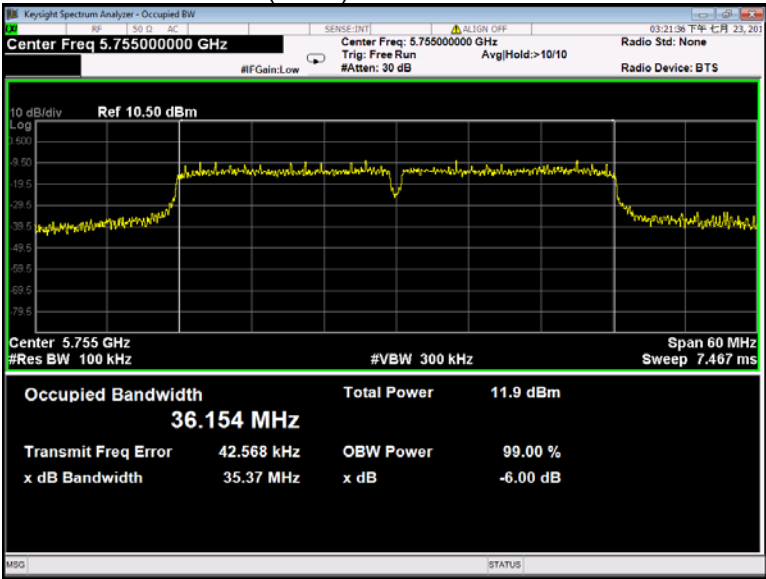
802.11n(HT20) U-NII-3 Middle channel



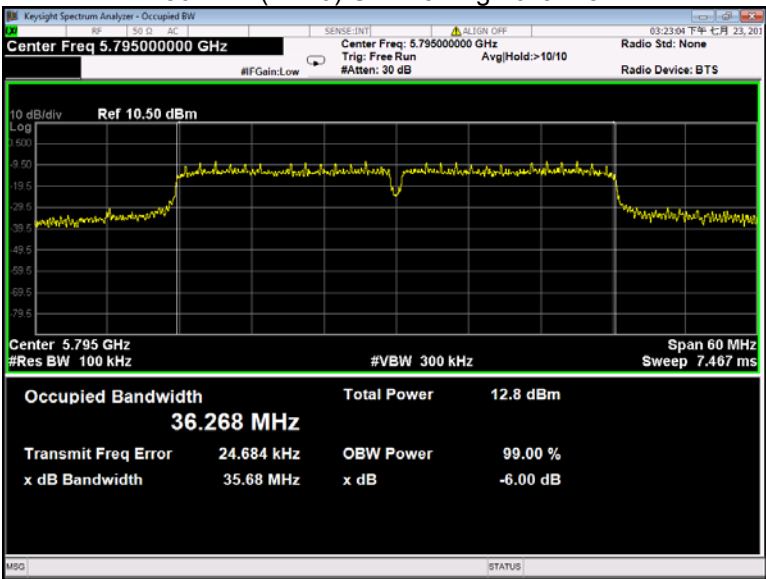
802.11n(HT20) U-NII-3 High channel



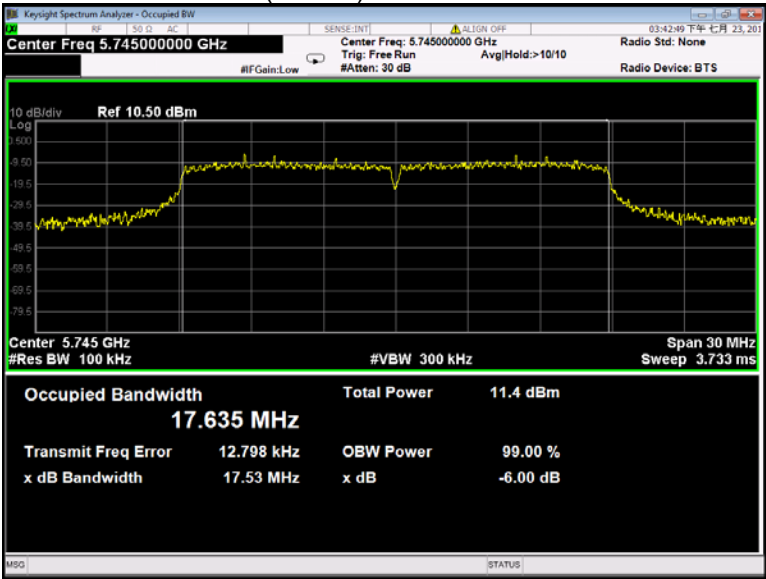
802.11n(HT40) U-NII-3 Low channel



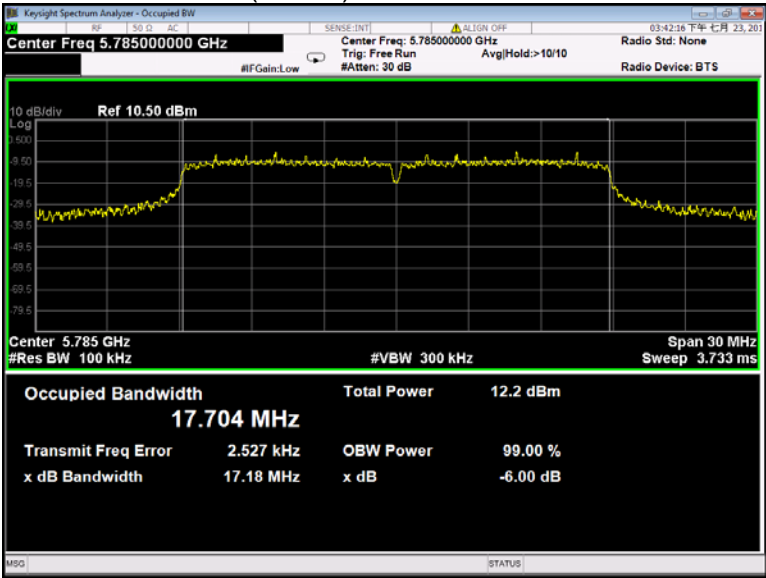
802.11n(HT40) U-NII-3 High channel



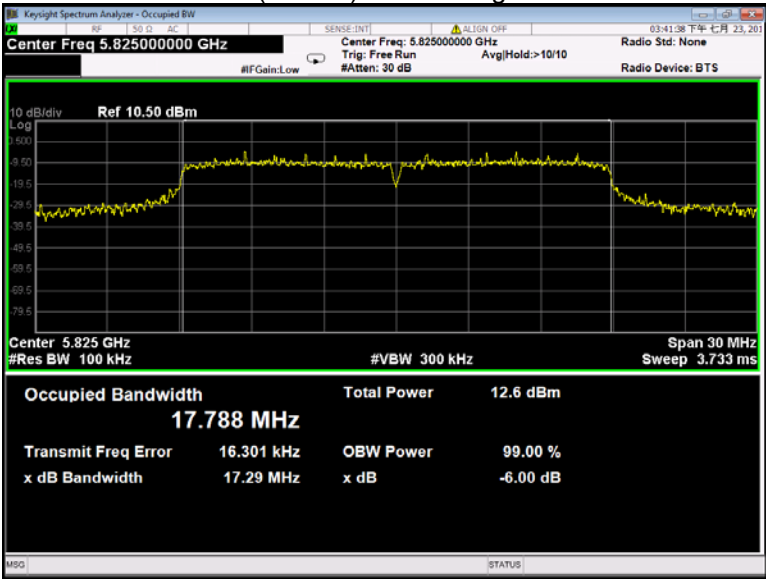
802.11ac(VHT20) U-NII-3 Low channel



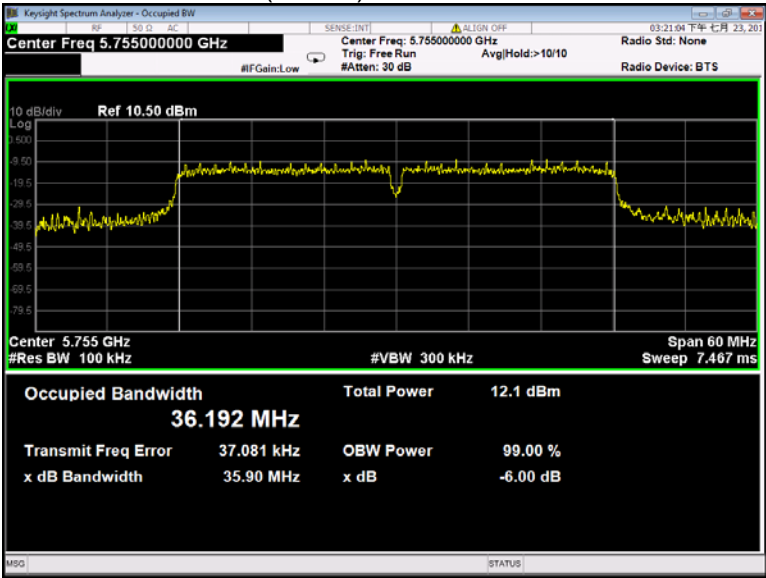
802.11ac(VHT20) U-NII-3 Middle channel



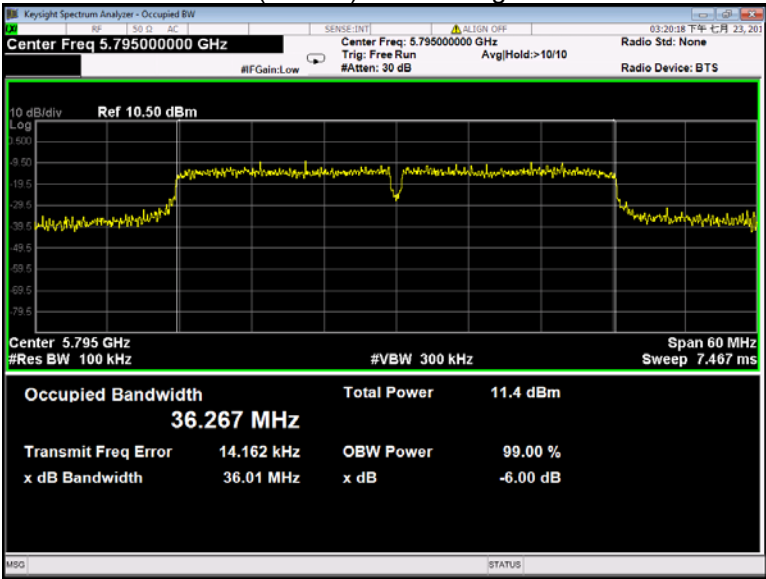
802.11ac(VHT20) U-NII-3 High channel



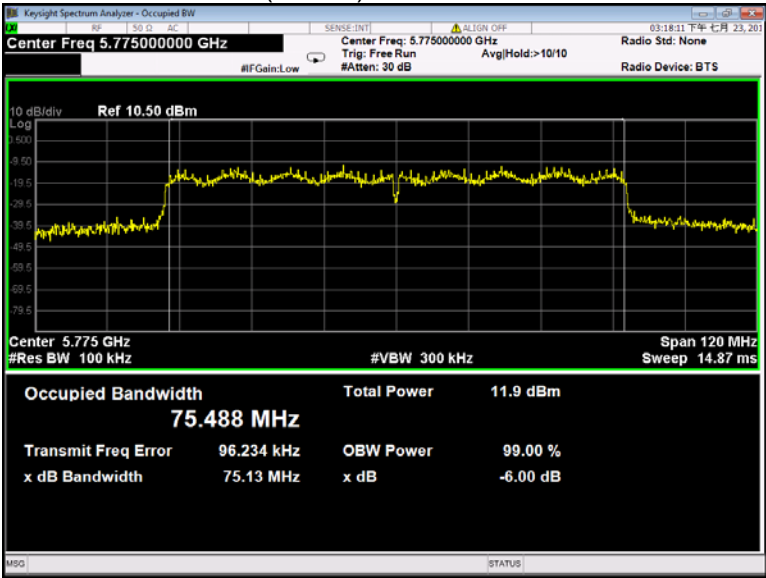
802.11ac(VHT40) U-NII-3 Low channel



802.11ac(VHT40) U-NII-3 High channel



802.11ac(VHT80) U-NII-3 Low channel



12 26 dB Bandwidth and 99% Occupied Bandwidth

Test Requirement:	FCC 47CFR Part 15 Section 15.407 (a) KDB662911 D01 Multiple Transmitter Output v02r01
Test Method:	KDB789033 D02 General U-NII Test Procedures New Rules v02r01 Section D
Test Limit:	No restriction limits
Test Result:	PASS

12.1 Test Procedure

1. Remove the antenna from the EUT and then connect a low RF cable from the antenna port to the spectrum;
2. Set the spectrum analyzer: RBW = 1% to 5% of the OBW, VBW = 3x RBW

12.2 Test Result

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-1	802.11a	19.40	19.31	20.11	16.466	16.465	16.466
	802.11n(HT20)	20.07	20.07	20.02	17.624	17.629	17.619
	802.11n(HT40)	40.18	/	40.18	36.094	/	36.094
	802.11ac(VHT20)	20.36	20.07	20.18	17.634	17.623	17.631
	802.11ac(VHT40)	40.23	/	40.07	36.101	/	36.097
	802.11ac(VHT80)	/	79.66	/	/	75.402	/

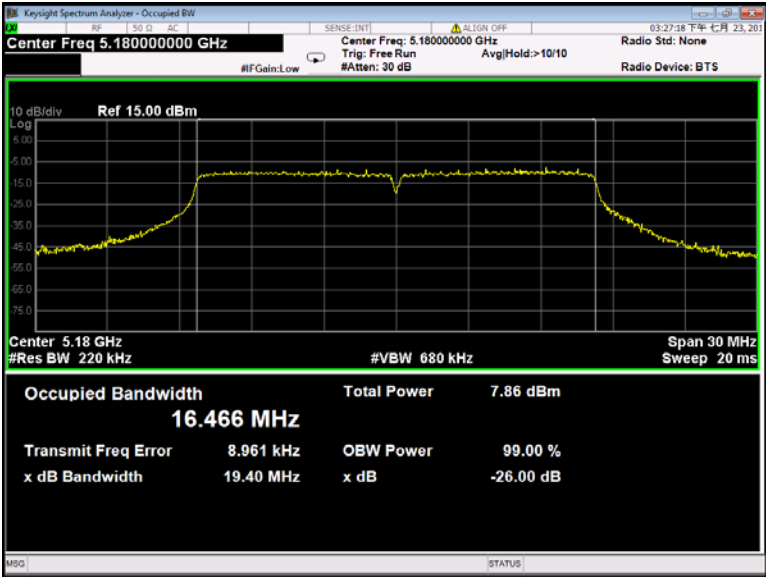
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2A	802.11a	19.92	20.09	20.09	16.573	16.538	16.571
	802.11n(HT20)	21.10	21.34	20.81	17.632	17.614	17.618
	802.11n(HT40)	40.68	/	41.78	36.117	/	36.129
	802.11ac(VHT20)	20.92	20.67	21.06	17.608	17.644	17.627
	802.11ac(VHT40)	41.93	/	40.87	36.149	/	36.167
	802.11ac(VHT80)	/	81.31	/	/	75.482	/

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2C	802.11a	19.48	24.47	22.86	16.511	16.608	16.570
	802.11n(HT20)	20.09	20.18	20.52	17.623	17.624	17.646
	802.11n(HT40)	40.31	40.33	48.14	36.109	36.096	36.180
	802.11ac(VHT20)	20.08	21.89	20.55	17.622	17.690	17.660
	802.11ac(VHT40)	39.88	49.70	39.88	36.122	36.142	36.453
	802.11ac(VHT80)	79.92	/	82.14	75.445	/	75.488

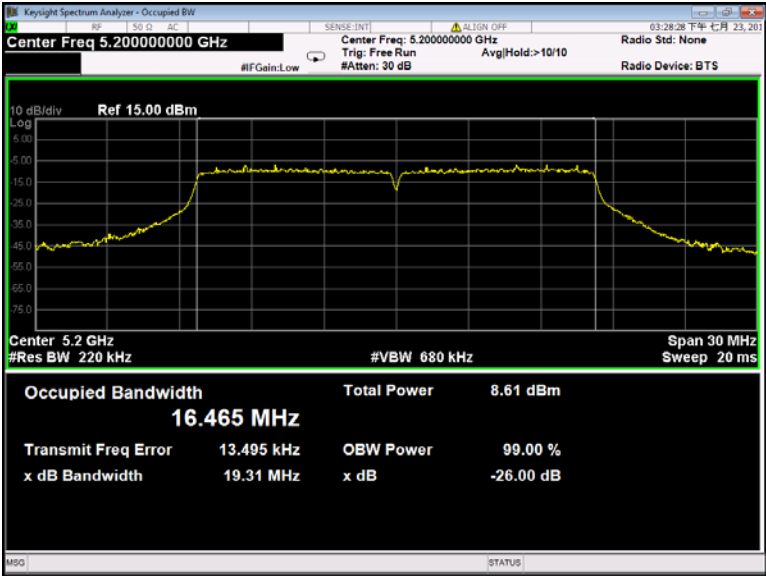
Band	Operation mode	99% Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.699	16.795	16.964
	802.11n(HT20)	17.759	17.815	17.927
	802.11n(HT40)	36.446	/	36.454
	802.11ac(VHT20)	17.756	17.843	17.920
	802.11ac(VHT40)	36.345	/	36.563
	802.11ac(VHT80)	75.925	/	/

Test result plots shown as follows:

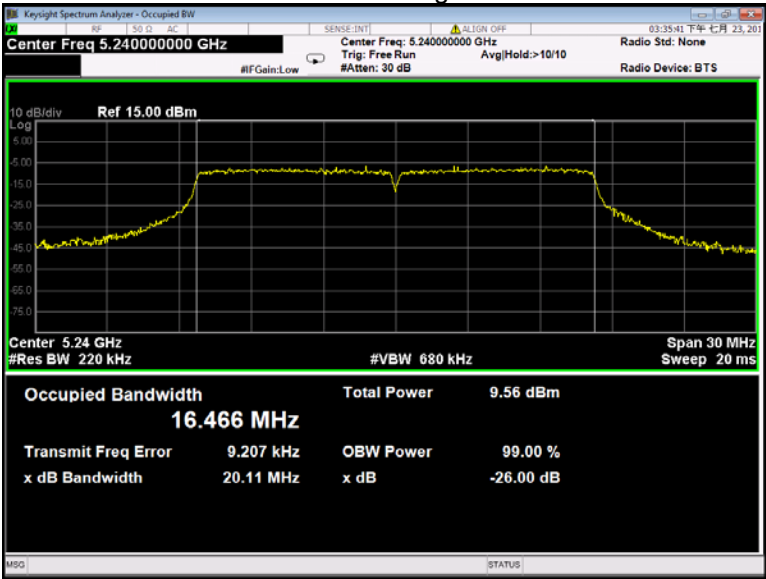
802.11a U-NII-1 Low channel



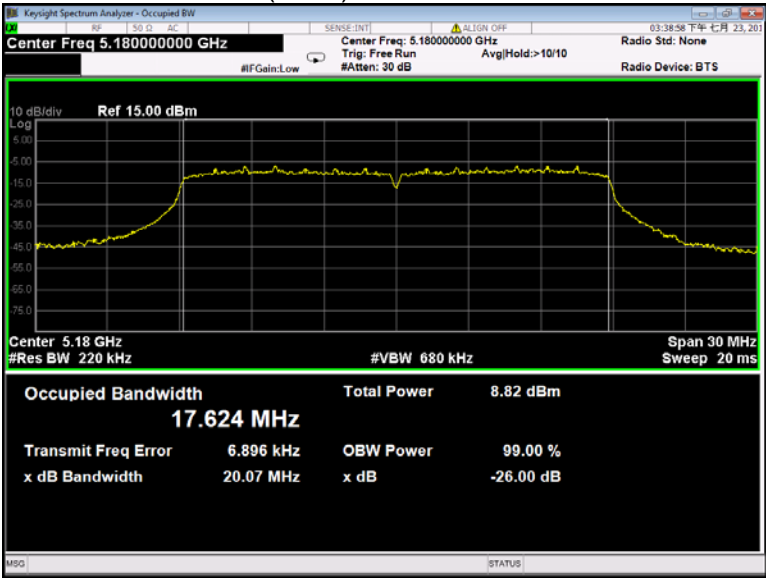
802.11a U-NII-1 Middle channel



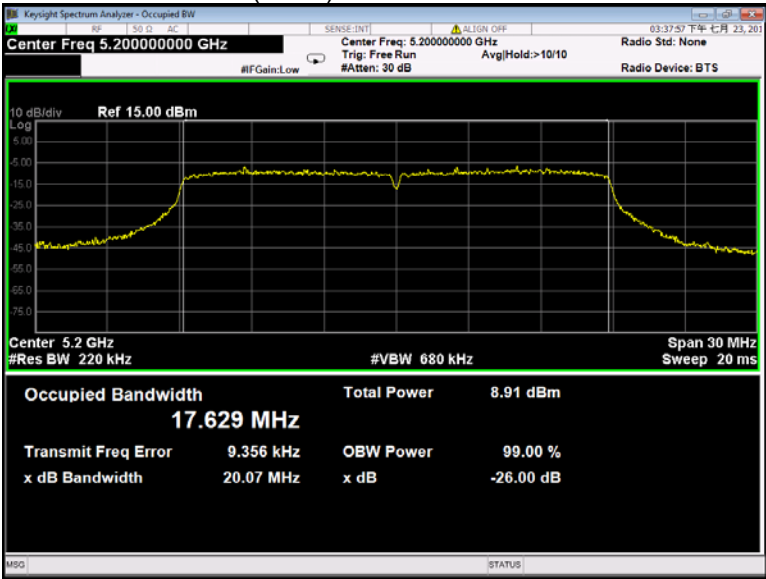
802.11a U-NII-1 High channel



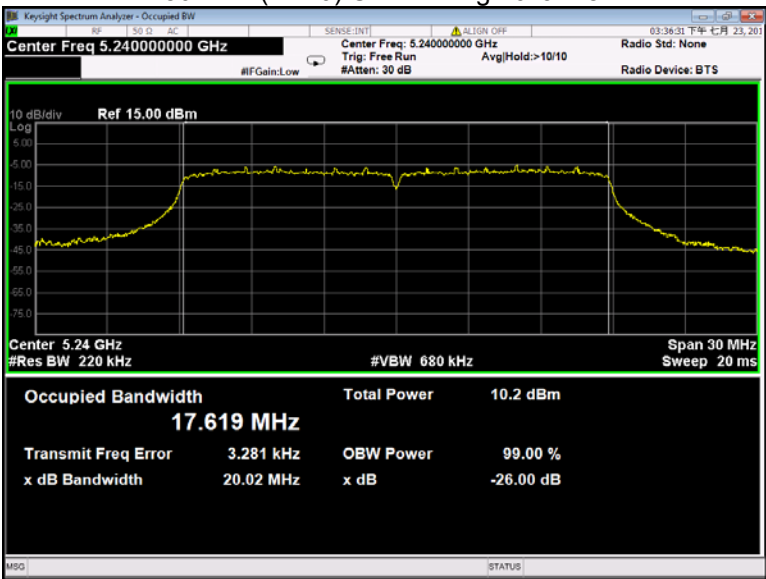
802.11n(HT20) U-NII-1 Low channel



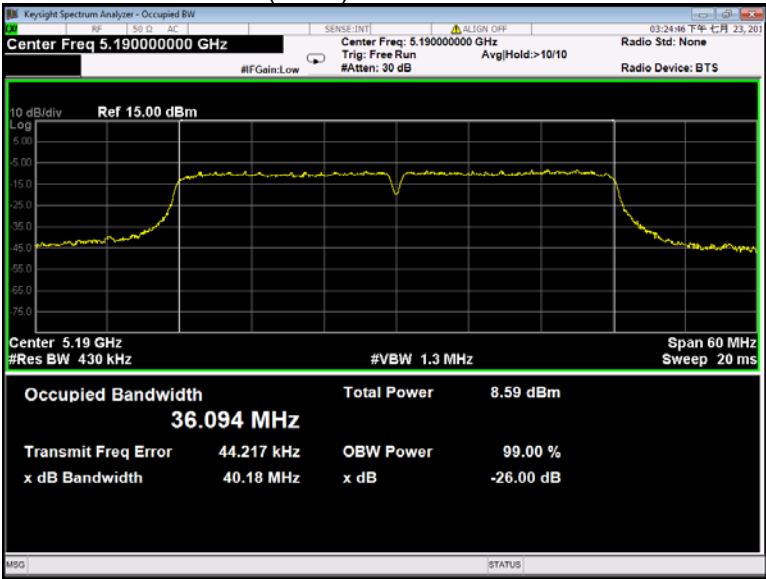
802.11n(HT20) U-NII-1 Middle channel



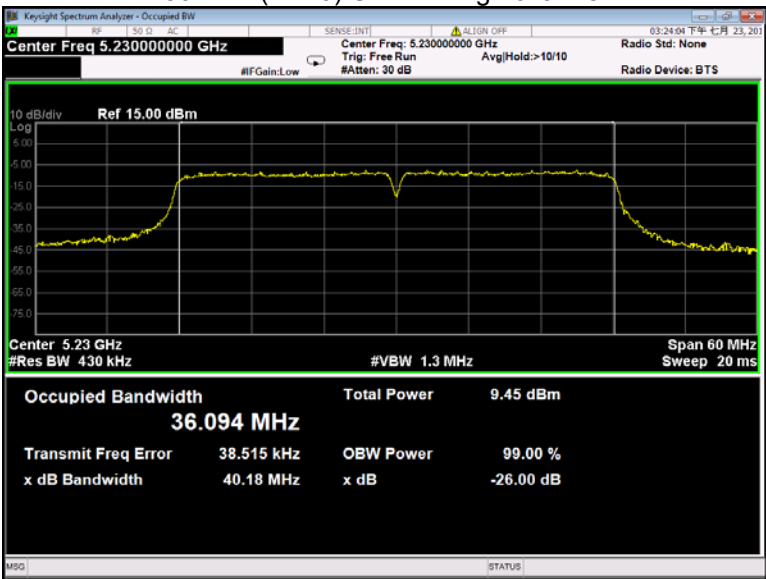
802.11n(HT20) U-NII-1 High channel



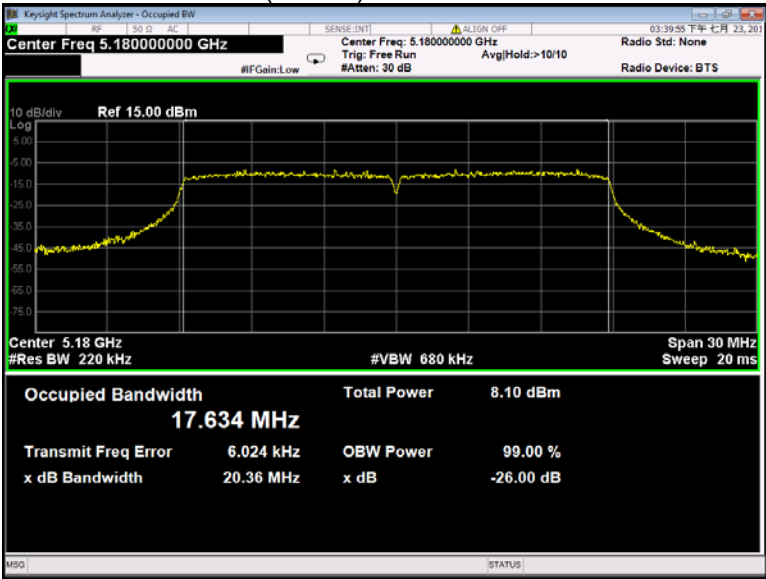
802.11n(HT40) U-NII-1 Low channel



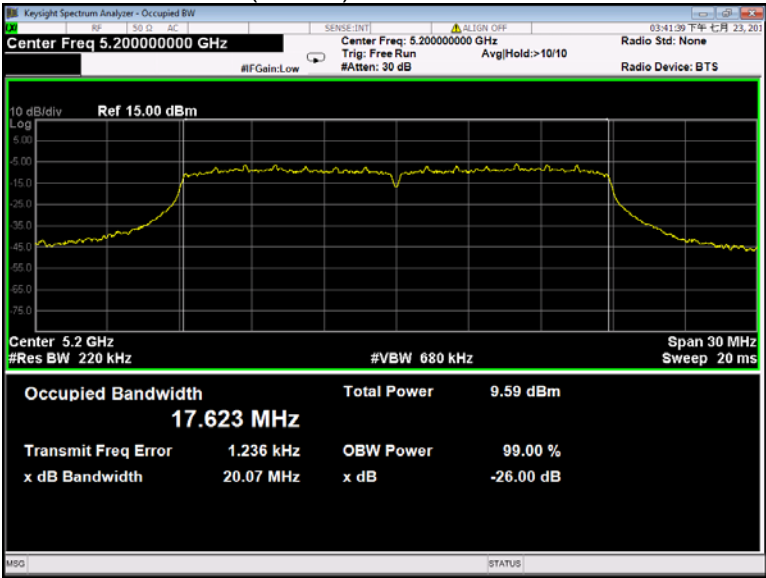
802.11n(HT40) U-NII-1 High channel



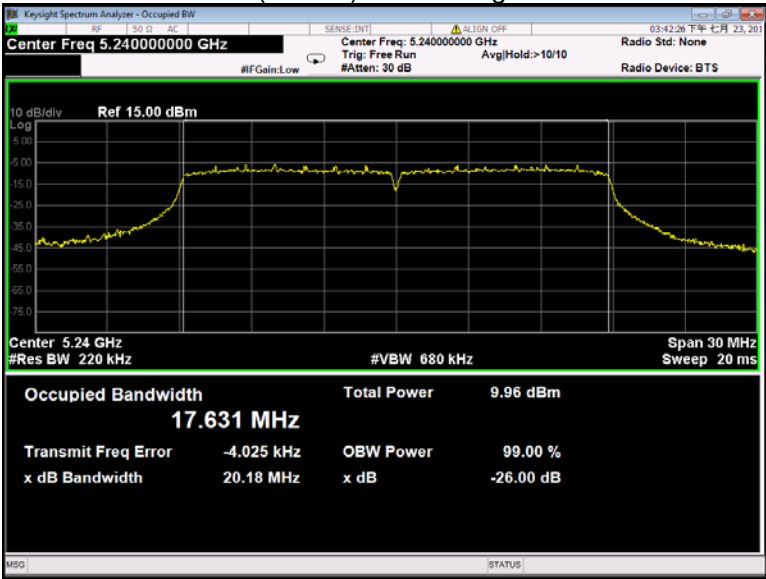
802.11ac(VHT20) U-NII-1 Low channel



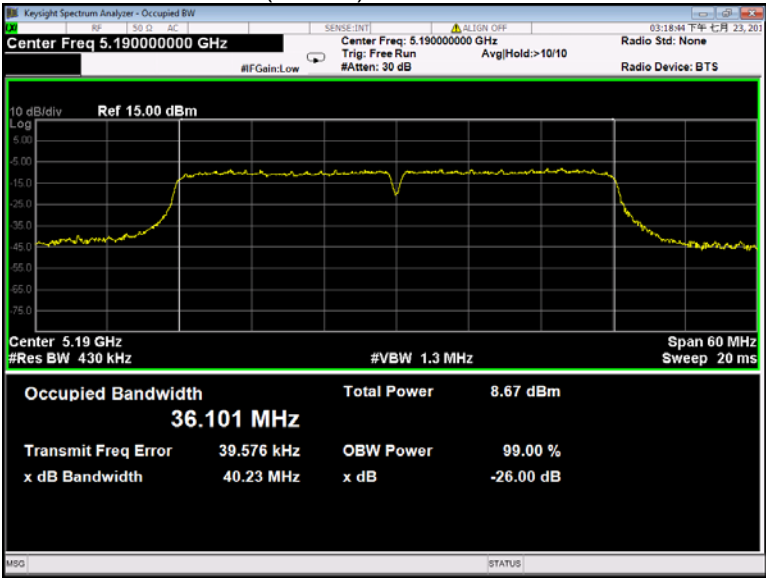
802.11ac(VHT20) U-NII-1 Middle channel



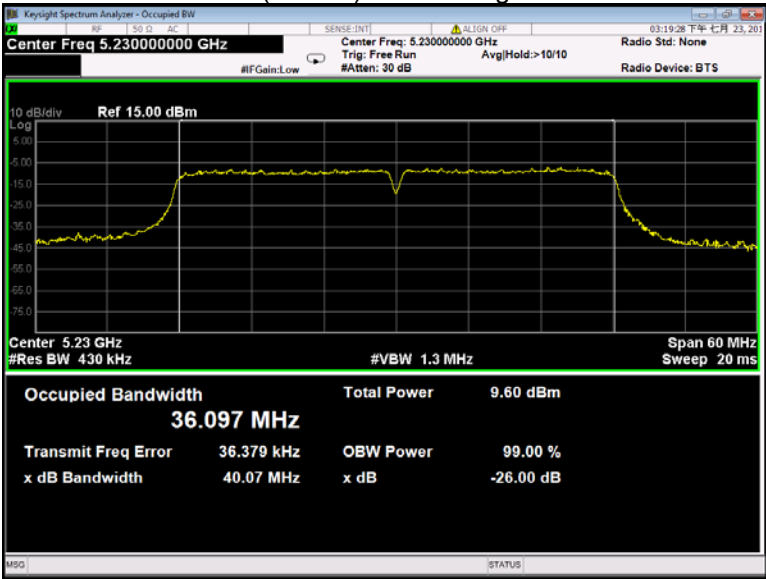
802.11ac(VHT20) U-NII-1 High channel



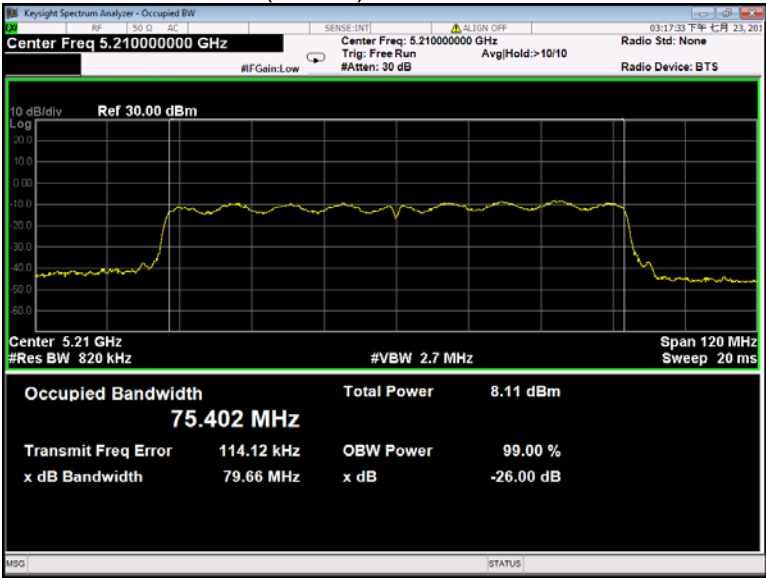
802.11ac(VHT40) U-NII-1 Low channel



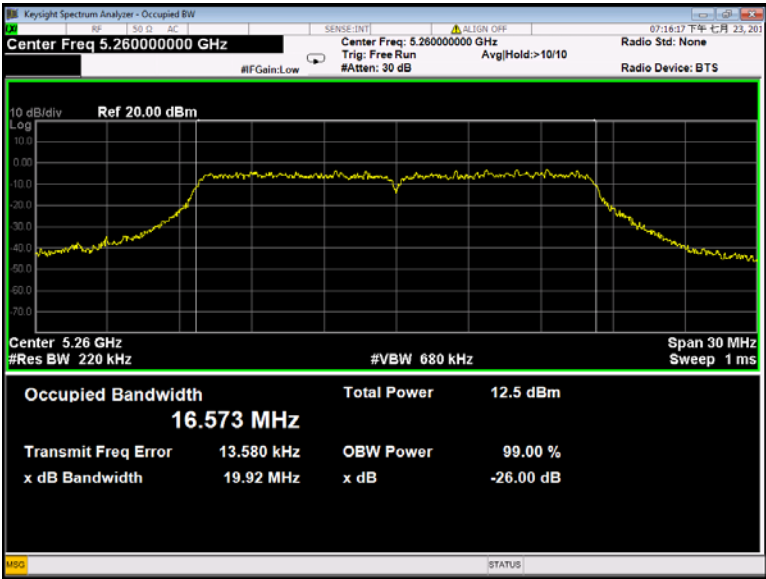
802.11 ac(VHT40) U-NII-1 High channel



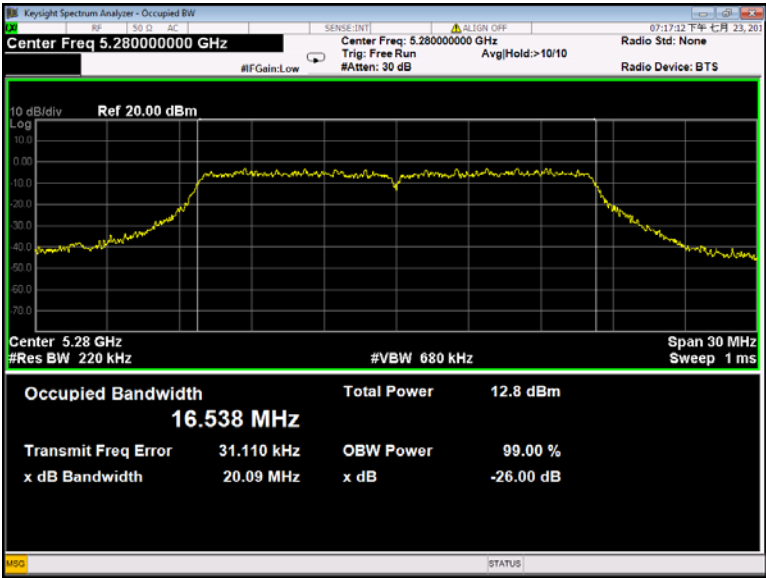
802.11ac(VHT80) U-NII-1 Low channel



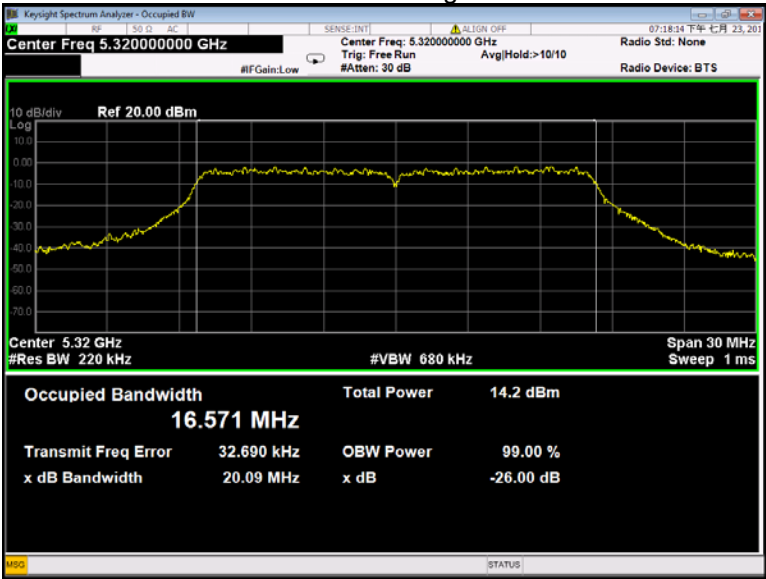
802.11a U-NII-2A Low channel



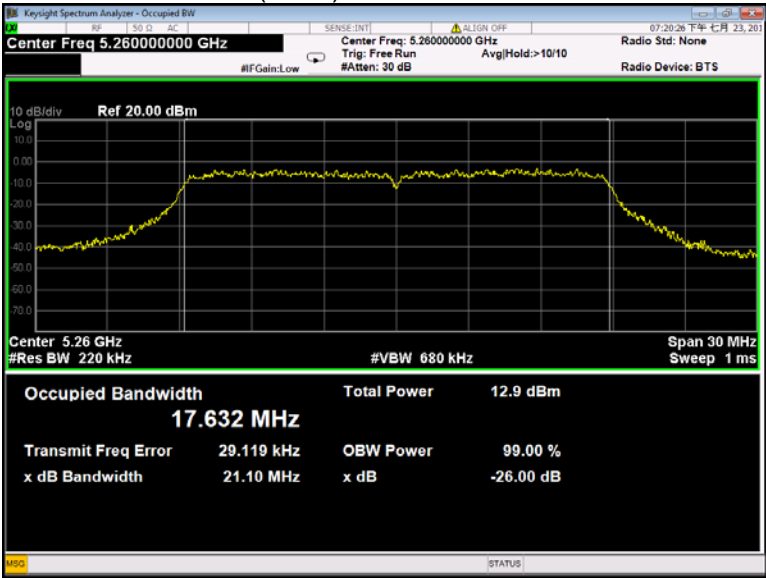
802.11a U-NII-2A Middle channel



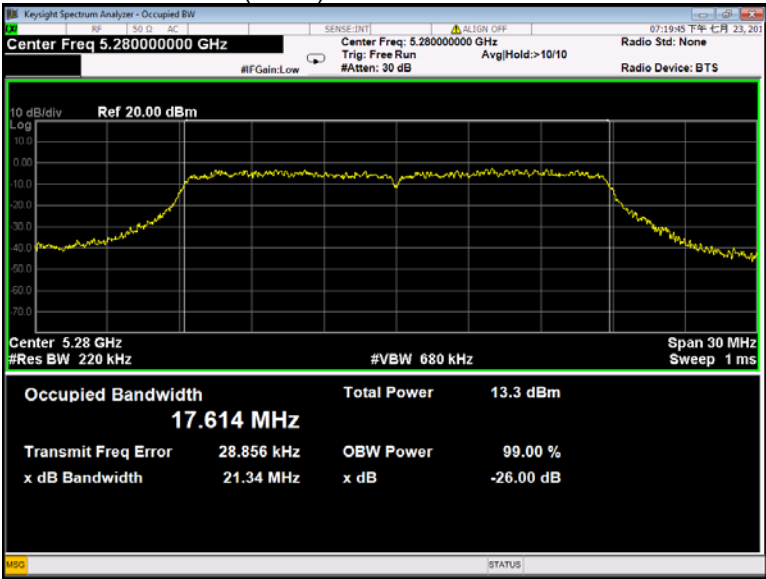
802.11a U-NII-2A High channel



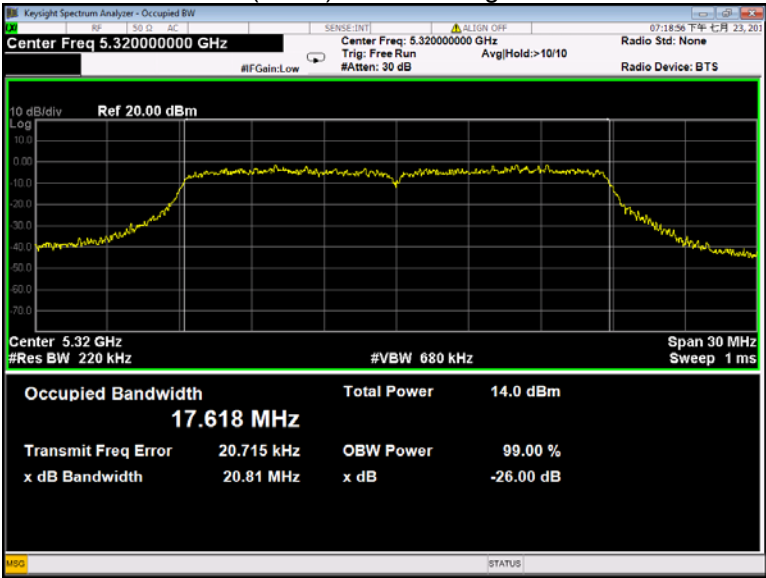
802.11n(HT20) U-NII-2A Low channel



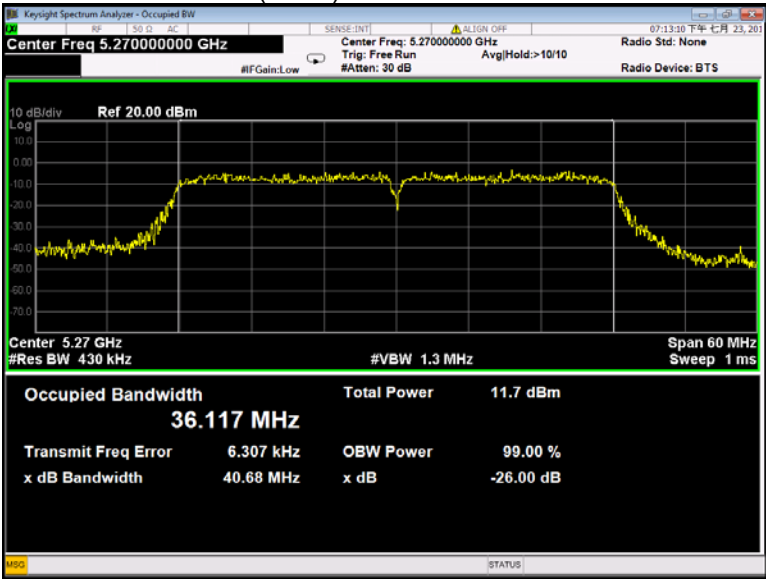
802.11n(HT20) U-NII-2A Middle channel



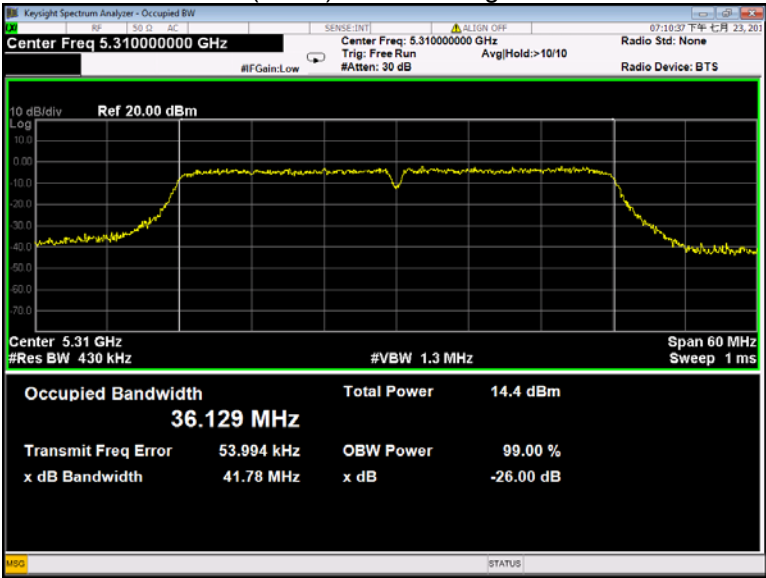
802.11n(HT20) U-NII-2A High channel



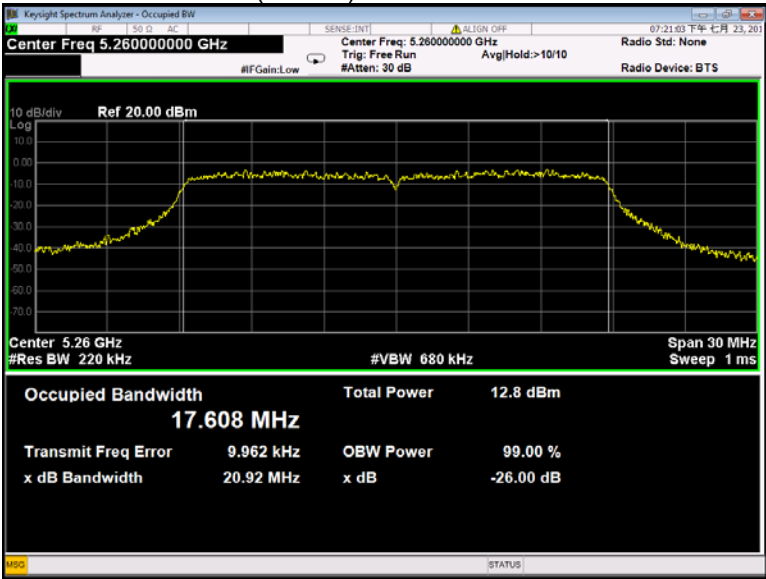
802.11n(HT40) U-NII-2A Low channel



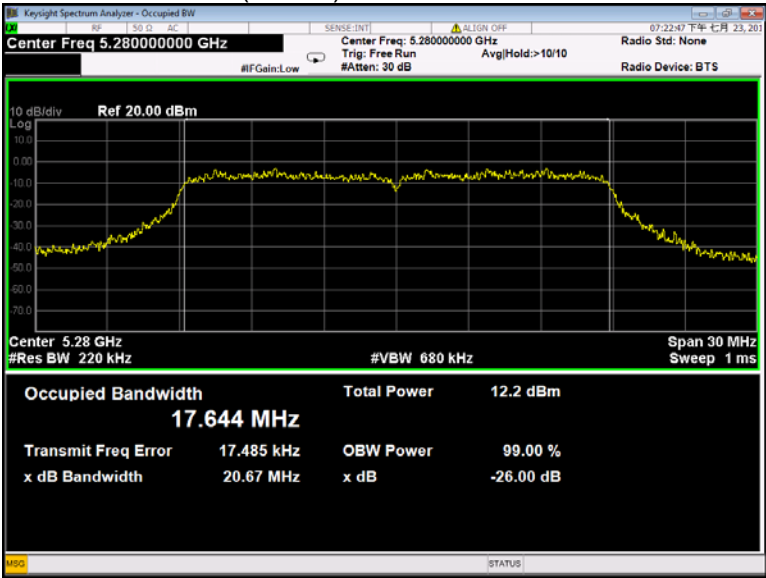
802.11n(HT40) U-NII-2A High channel



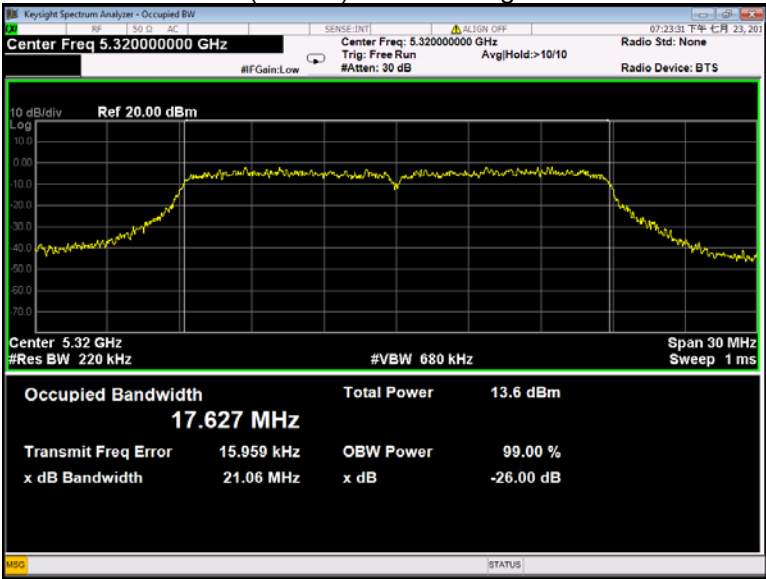
802.11ac(VHT20) U-NII-2A Low channel



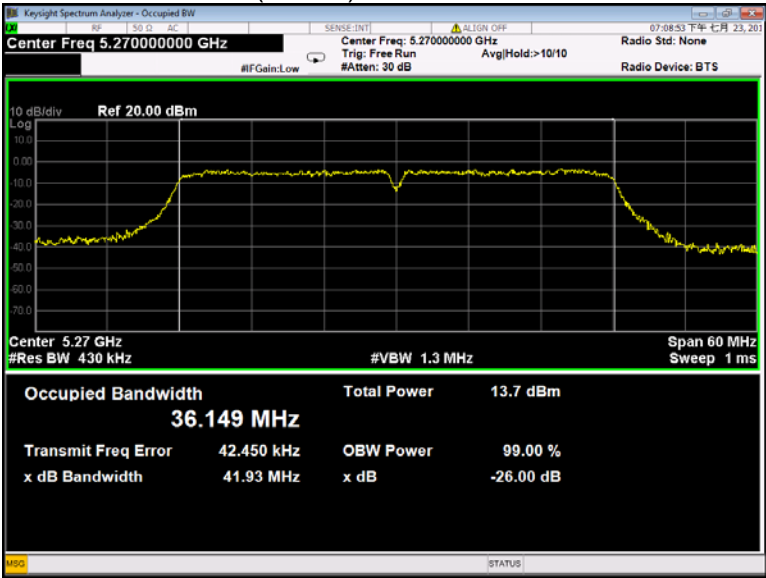
802.11ac(VHT20) U-NII-2A Middle channel



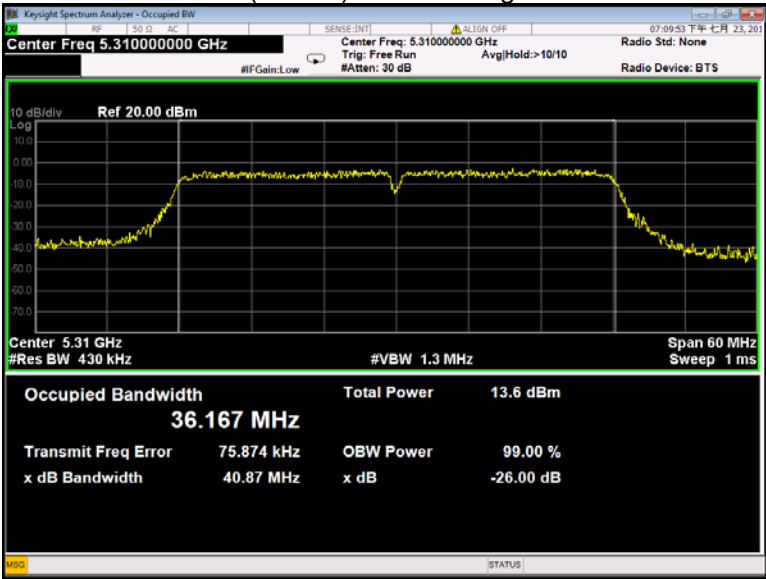
802.11ac(VHT20) U-NII-2A High channel



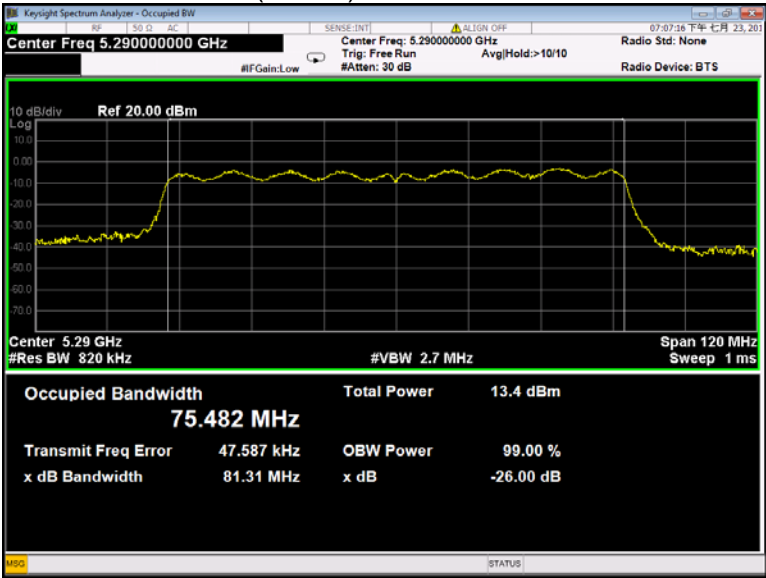
802.11ac(VHT40) U-NII-2A Low channel



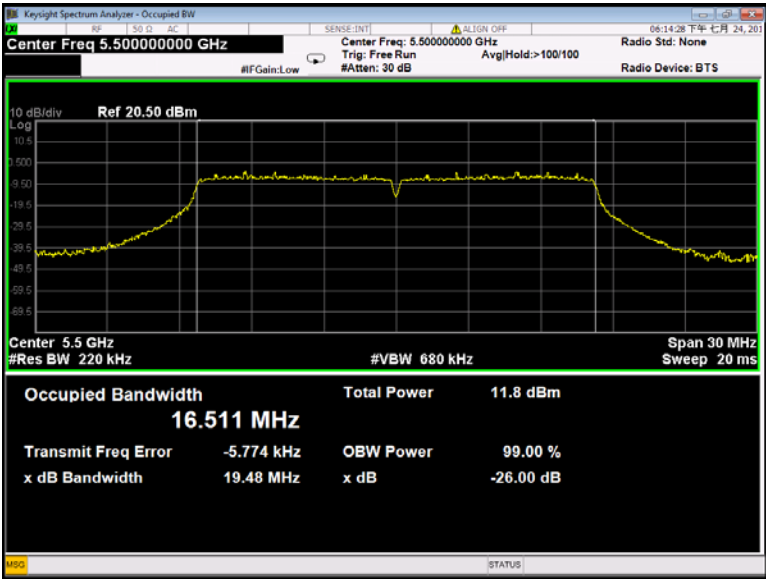
802.11ac(VHT40) U-NII-2A High channel



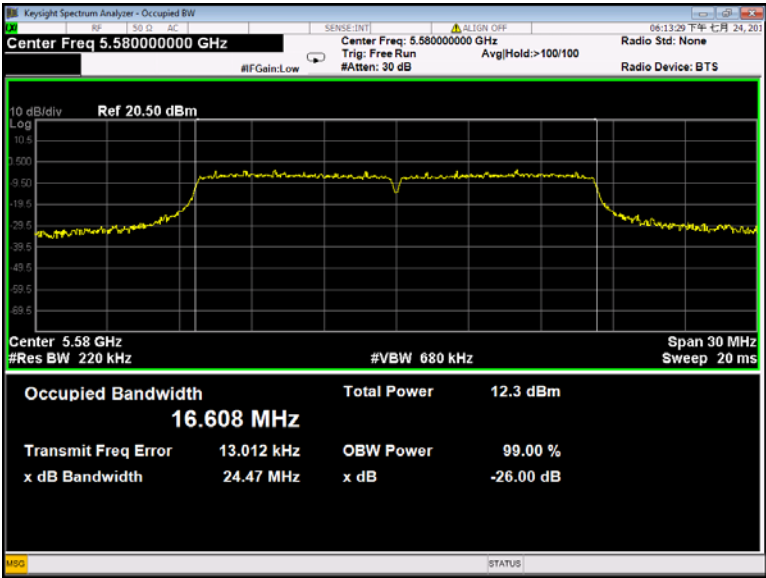
802.11ac(VHT80) U-NII-2A Low channel



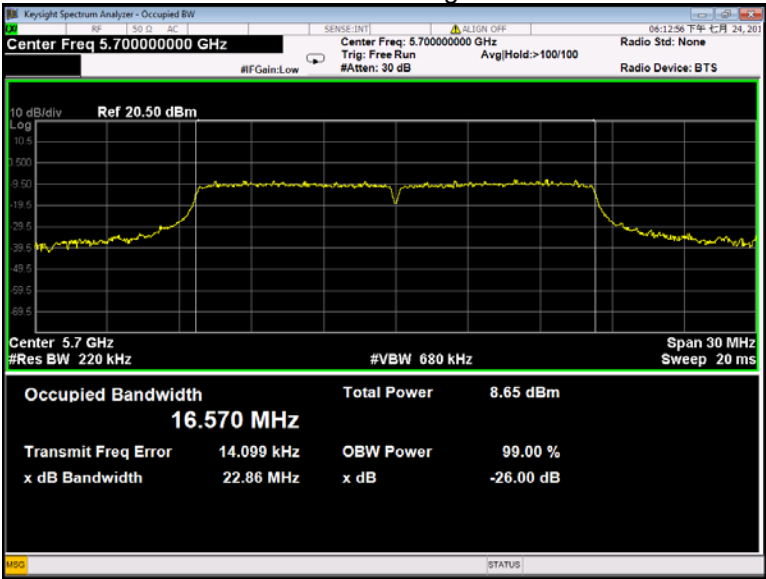
802.11a U-NII-2C Low channel



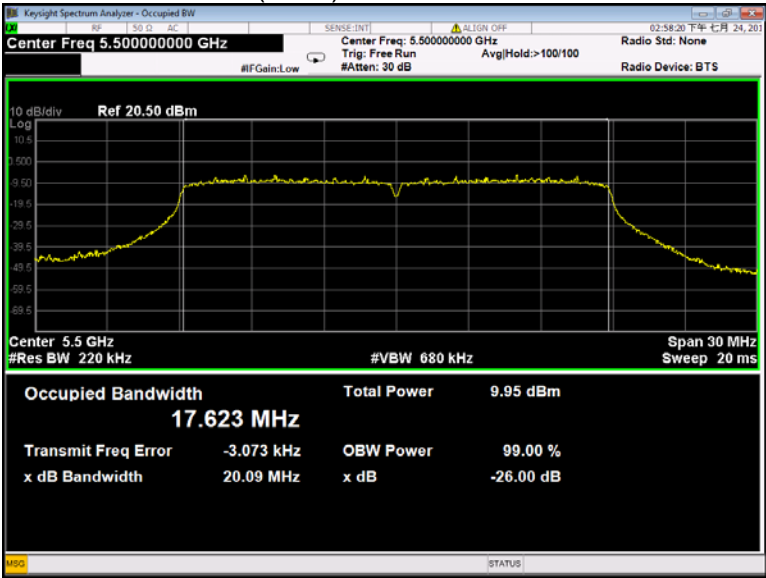
802.11a U-NII-2C Middle channel



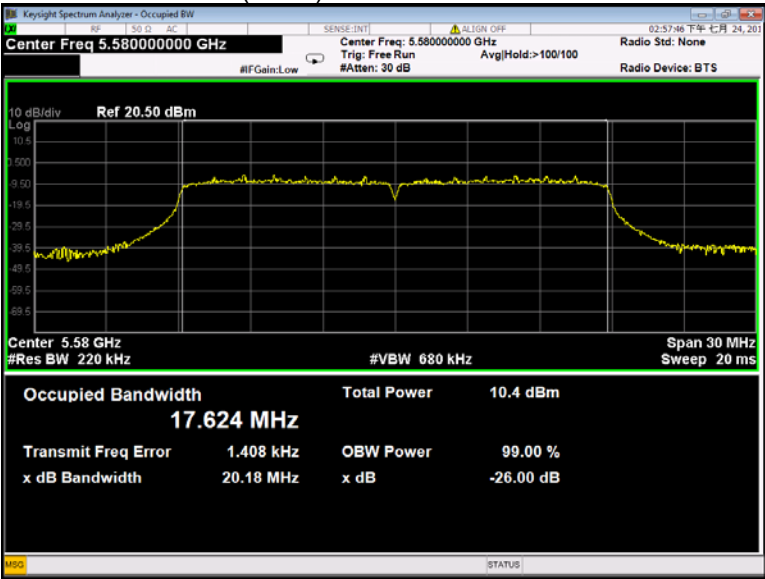
802.11a U-NII-2C High channel



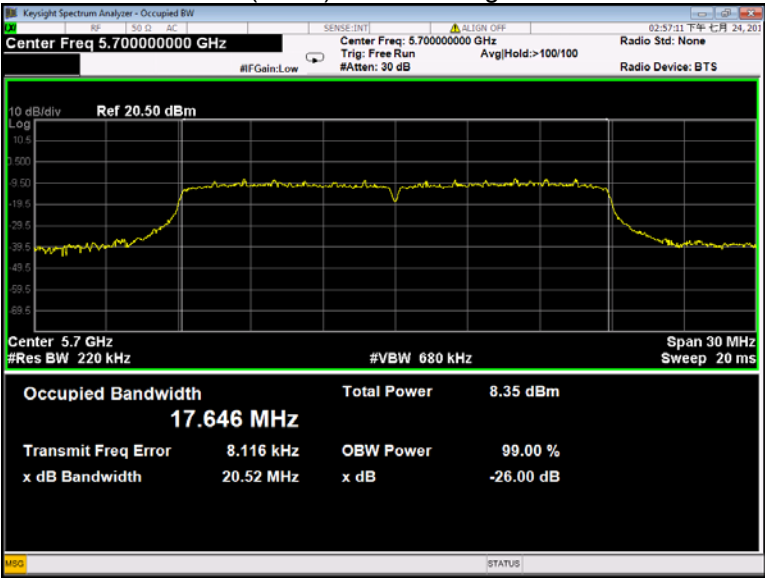
802.11n(HT20) U-NII-2C Low channel



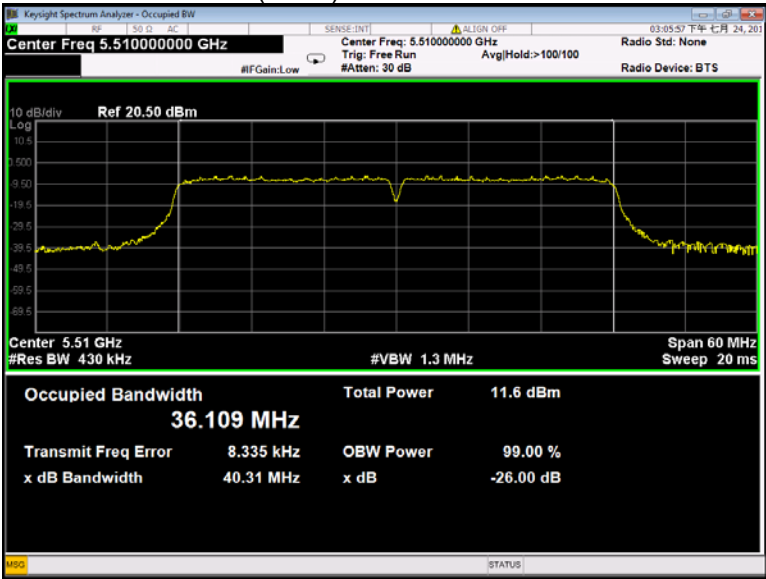
802.11n(HT20) U-NII-2C Middle channel



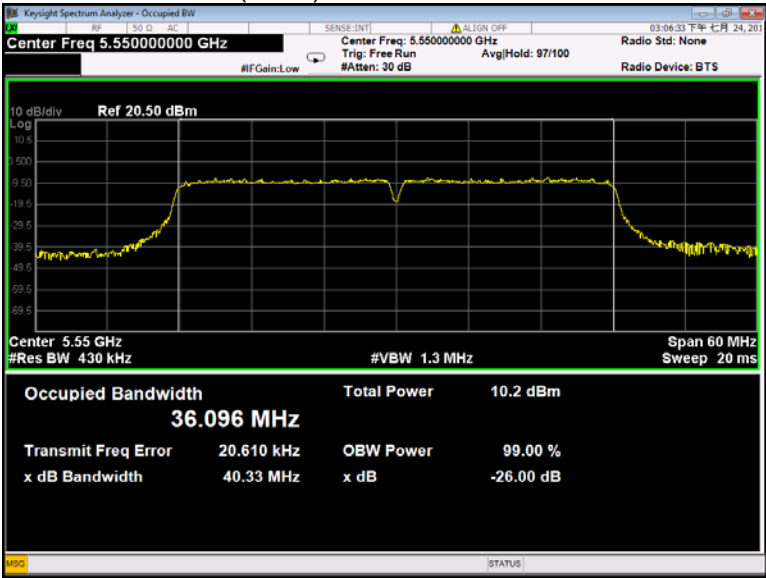
802.11n(HT20) U-NII-2C High channel



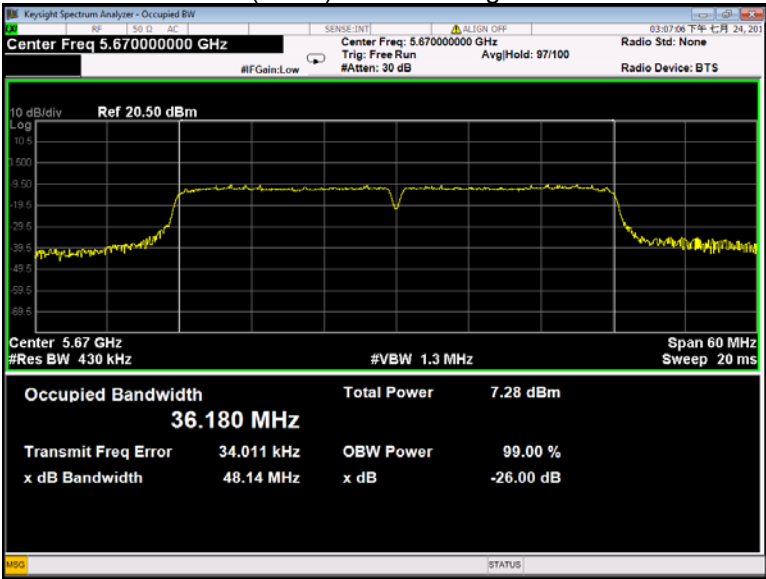
802.11n(HT40) U-NII-2C Low channel



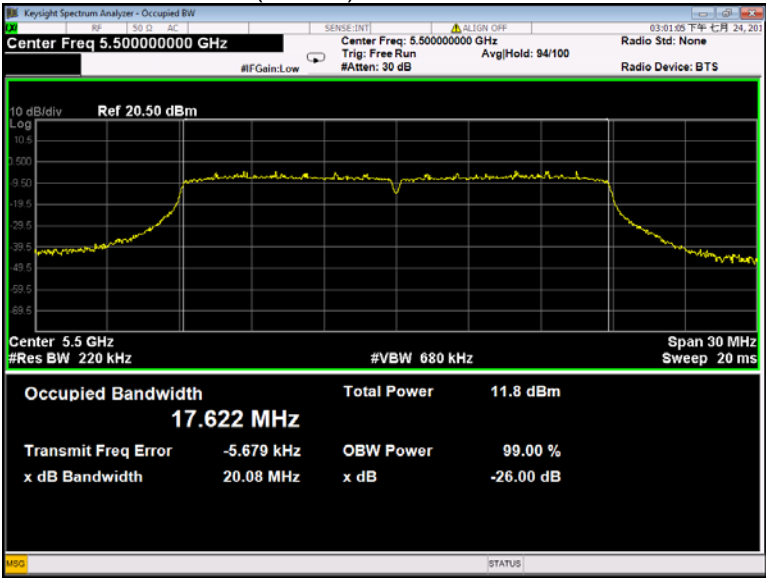
802.11n(HT40) U-NII-2C Middle channel



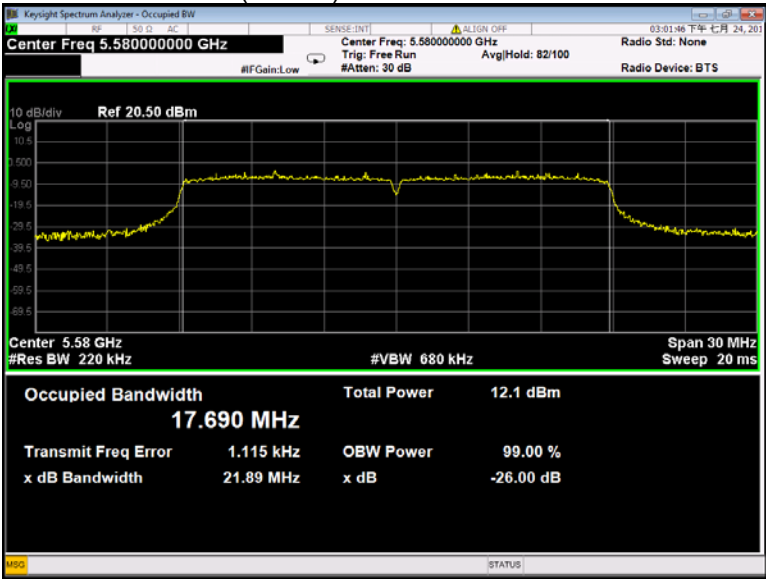
802.11n(HT40) U-NII-2C High channel



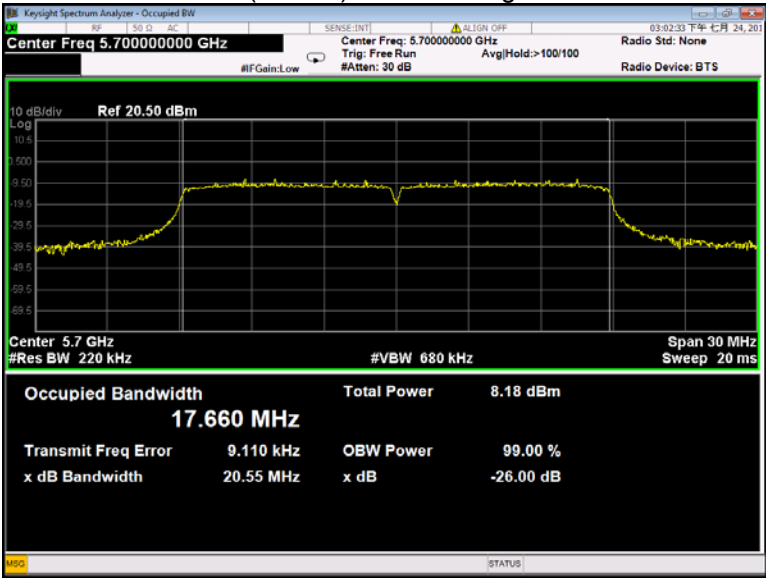
802.11ac(VHT20) U-NII-2C Low channel



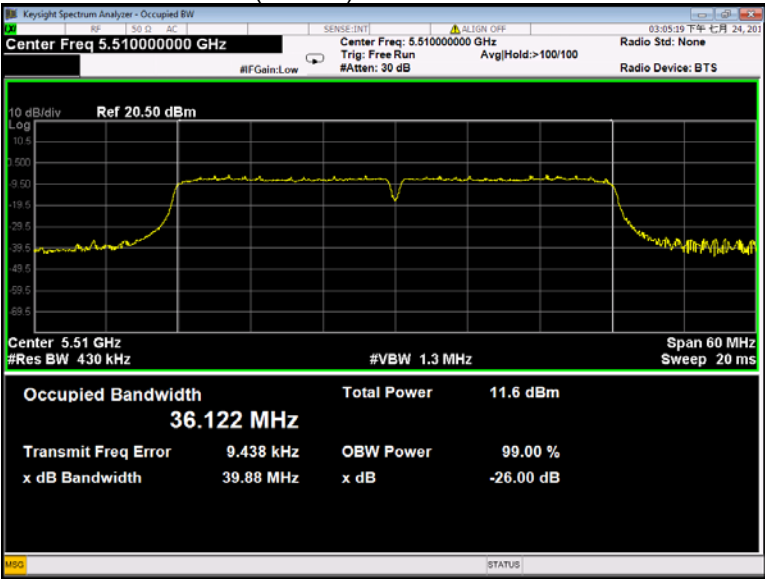
802.11ac(VHT20) U-NII-2C Middle channel



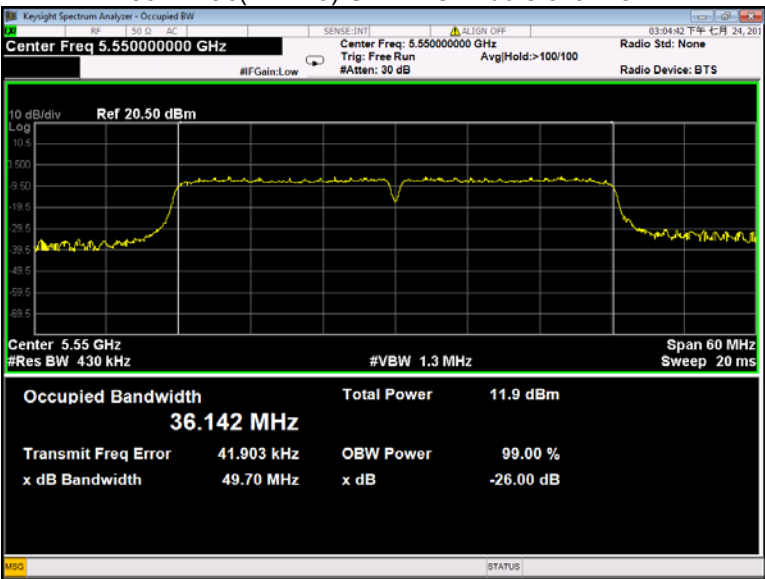
802.11ac(VHT20) U-NII-2C High channel



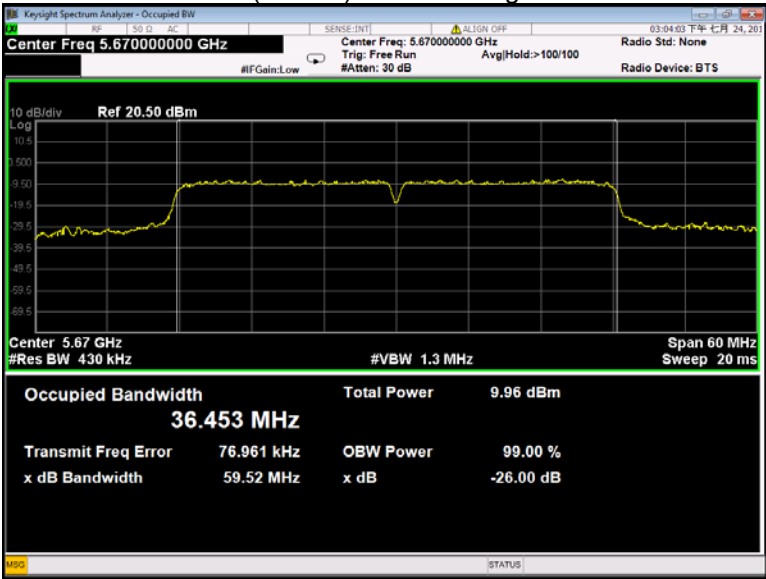
802.11ac(VHT40) U-NII-2C Low channel



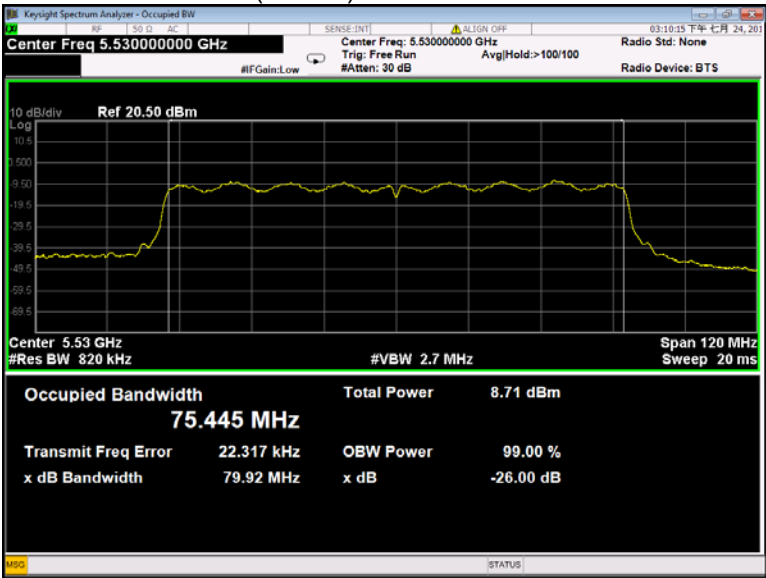
802.11ac(VHT40) U-NII-2C Middle channel



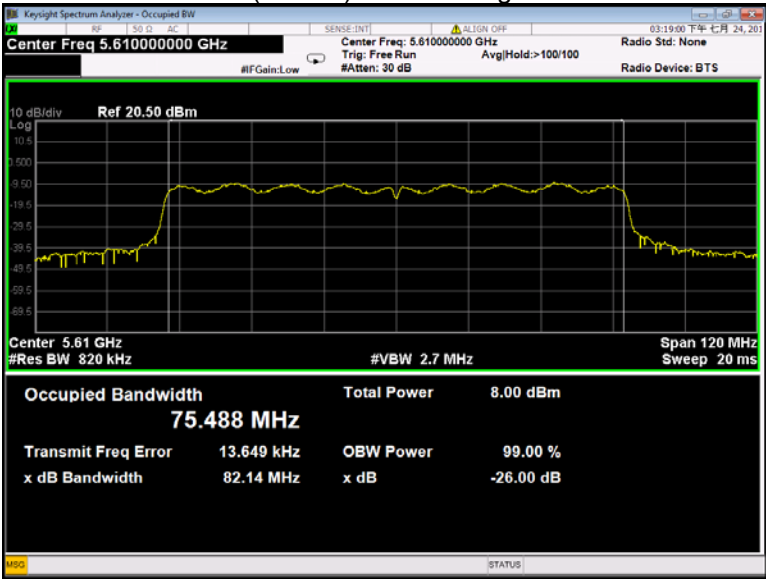
802.11 ac(VHT40) U-NII-2C High channel



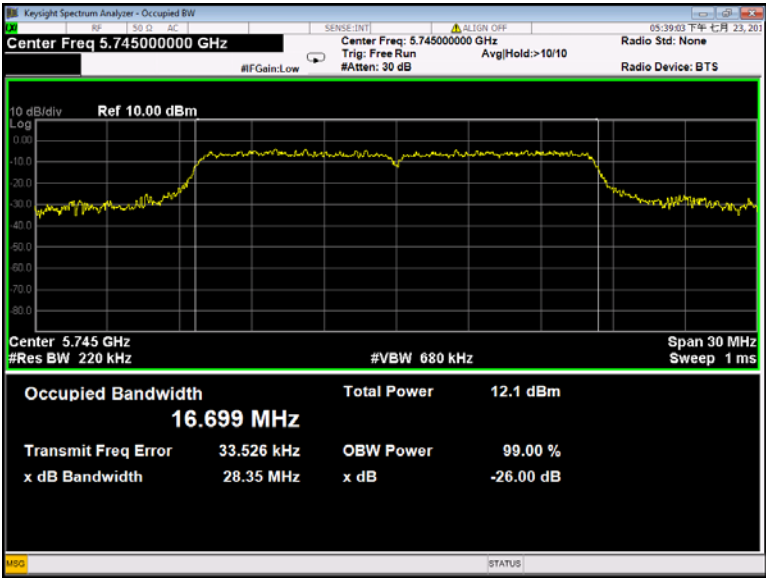
802.11ac(VHT80) U-NII-2C Low channel



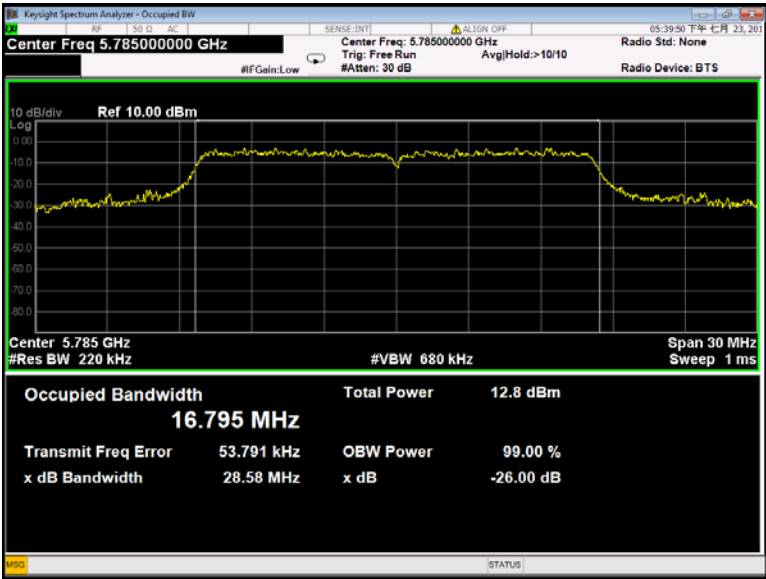
802.11ac(VHT80) U-NII-2C High channel



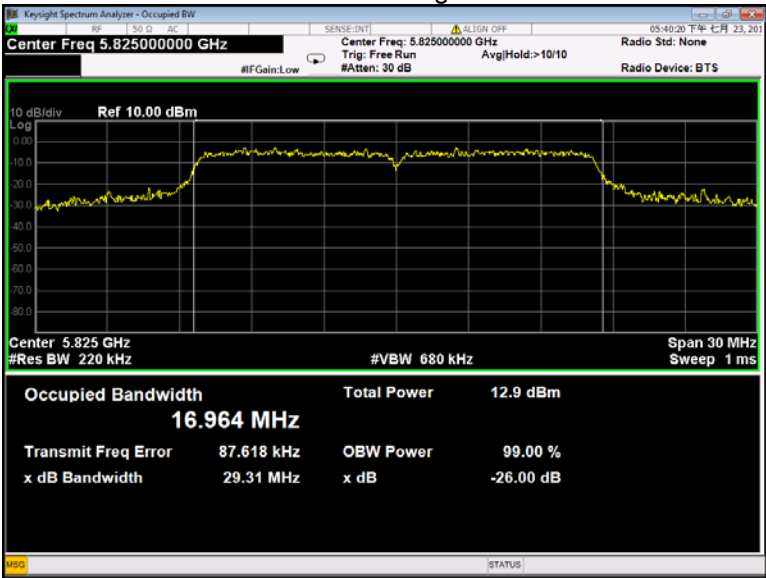
802.11a U-NII-3 Low channel



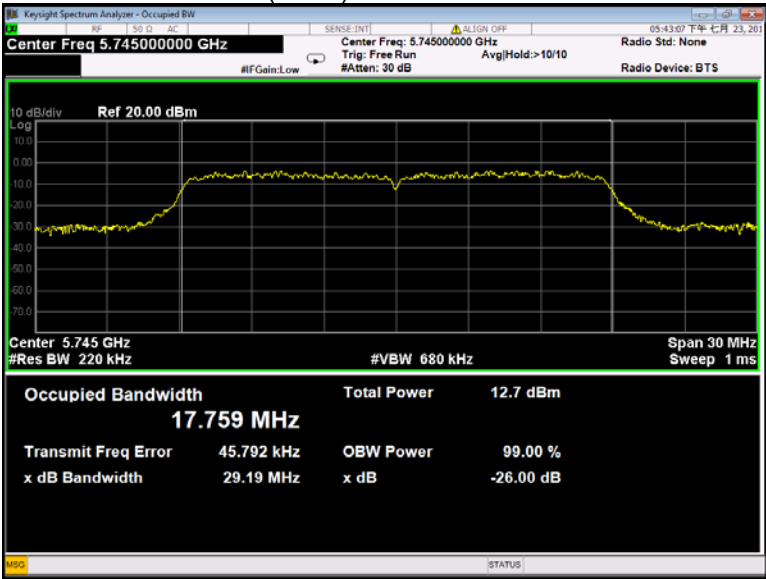
802.11a U-NII-3 Middle channel



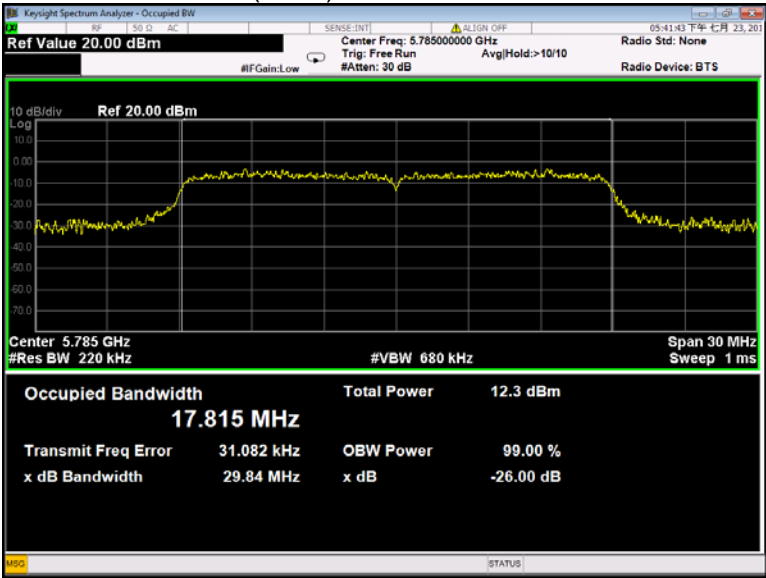
802.11a U-NII-3 High channel



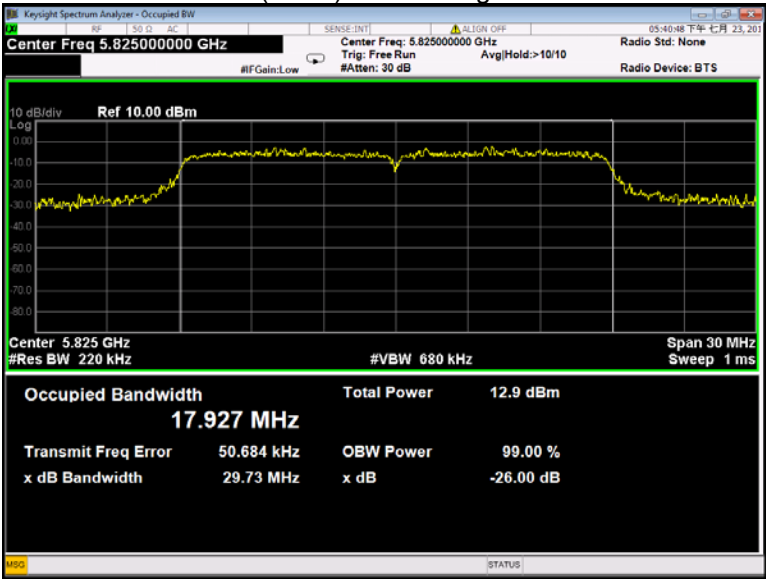
802.11n(HT20) U-NII-3 Low channel



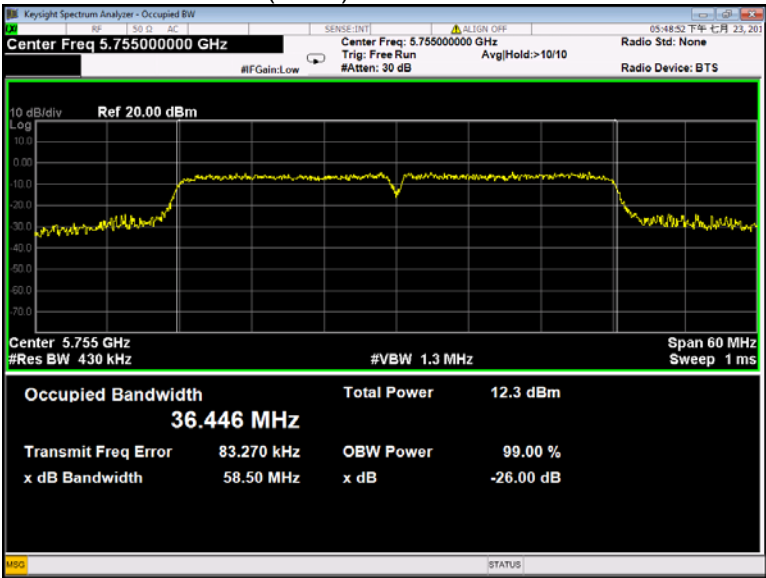
802.11n(HT20) U-NII-3 Middle channel



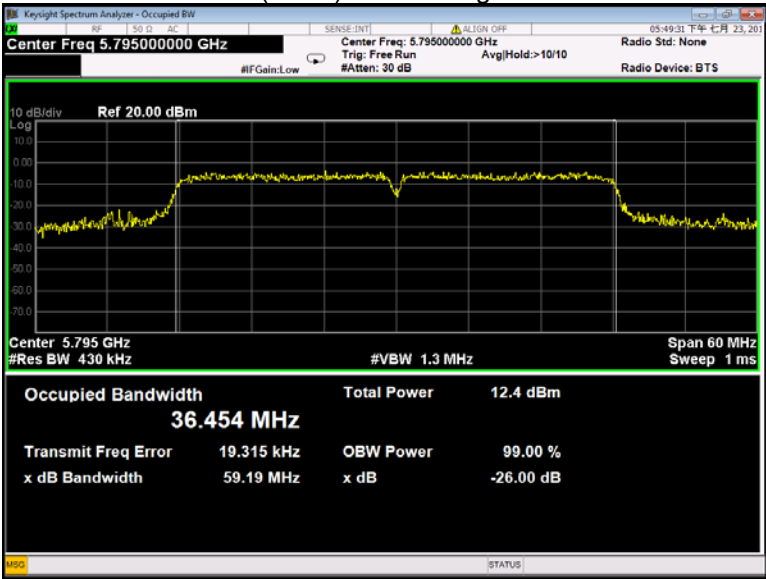
802.11n(HT20) U-NII-3 High channel



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



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



802.11ac(VHT20) U-NII-3 Low channel

