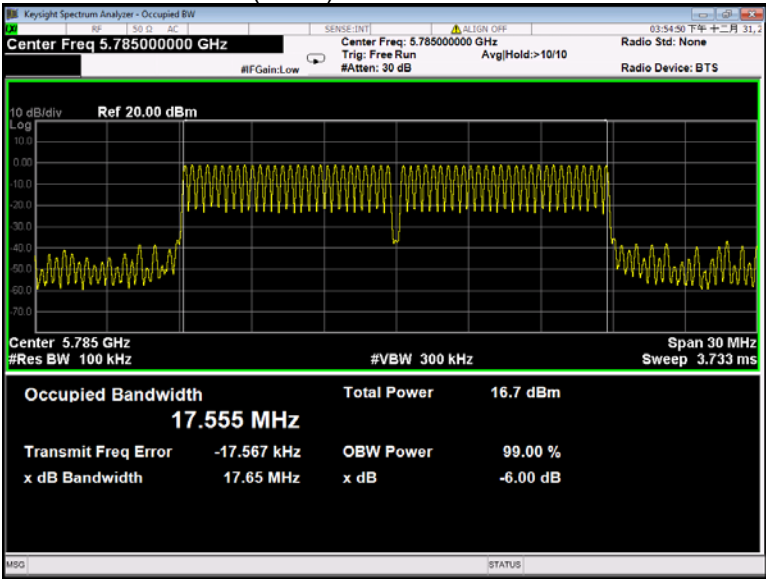
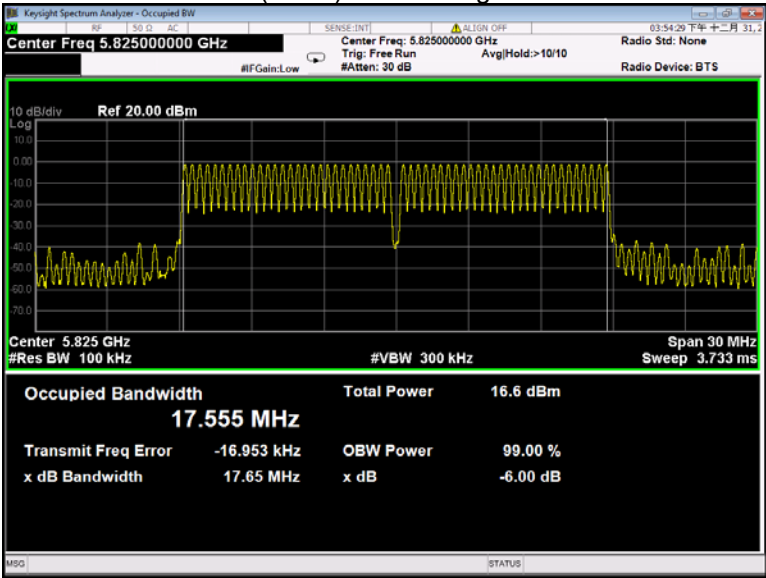


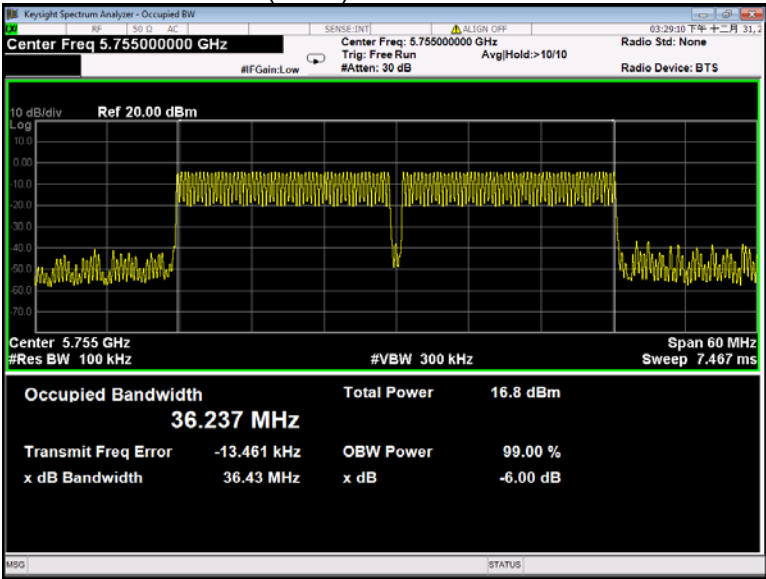
802.11n(HT20) U-NII-3 Middle channel



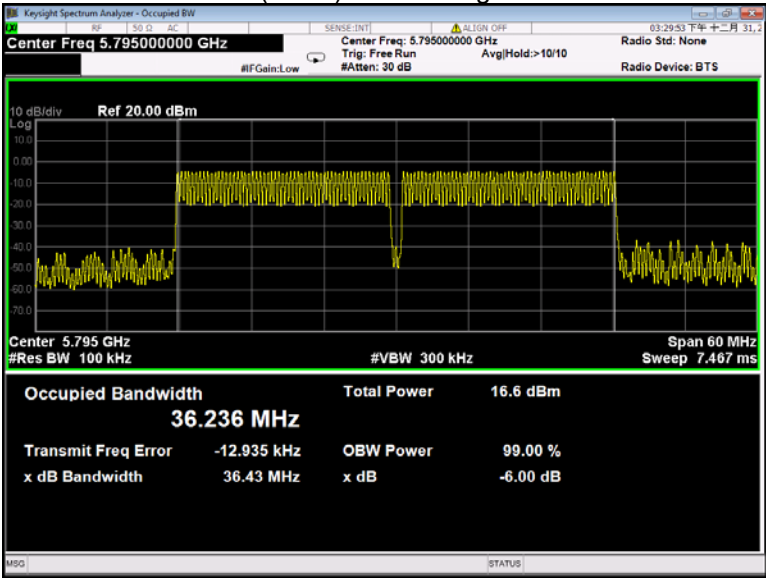
802.11n(HT20) U-NII-3 High channel



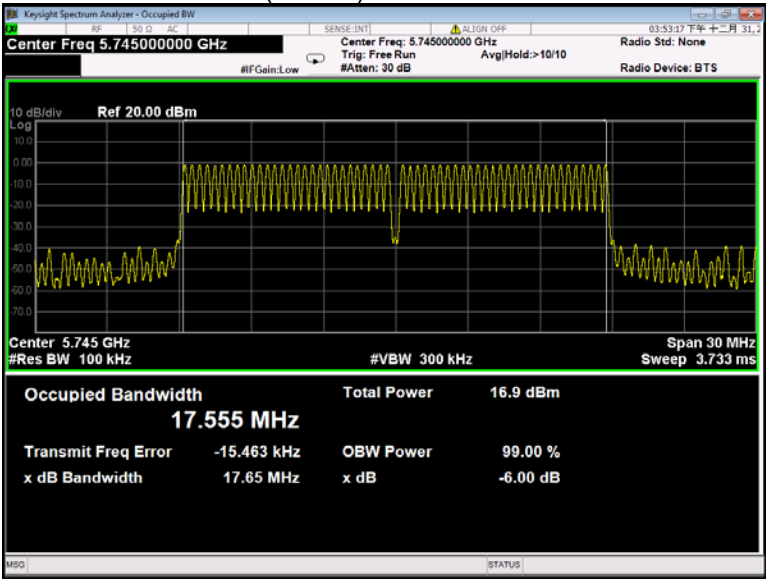
802.11n(HT40) U-NII-3 Low channel



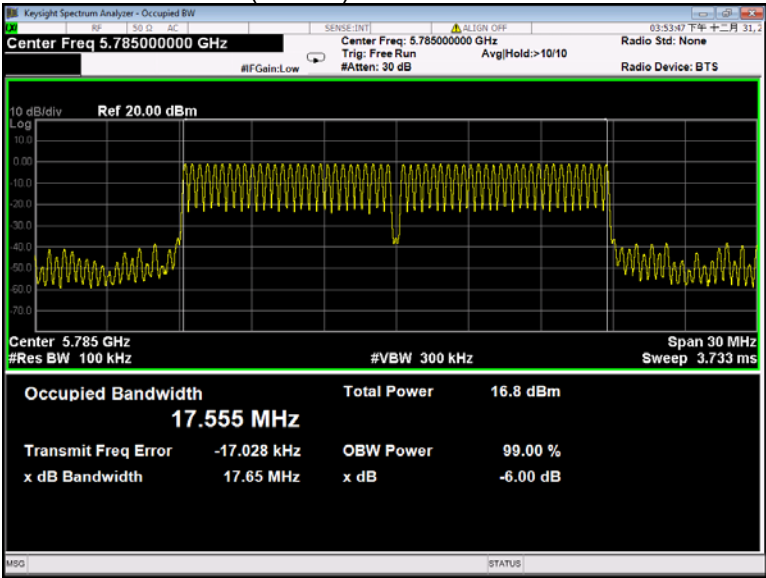
802.11n(HT40) U-NII-3 High channel



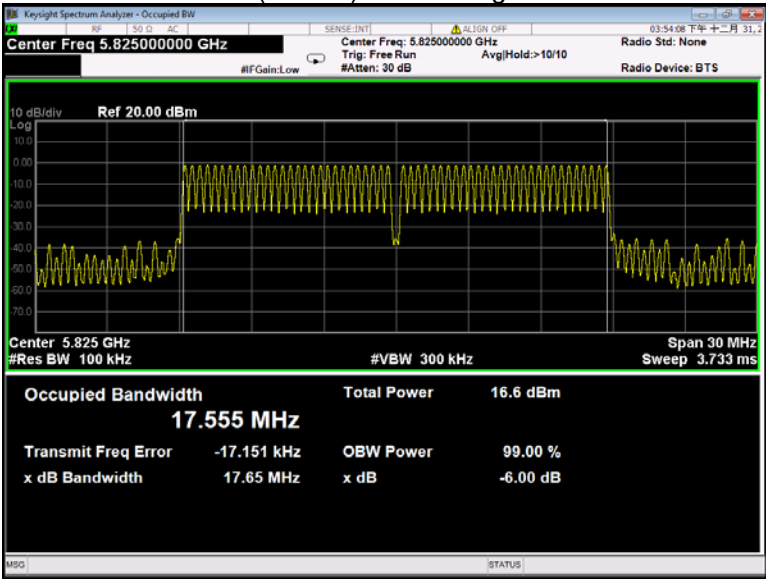
802.11ac(VHT20) U-NII-3 Low channel



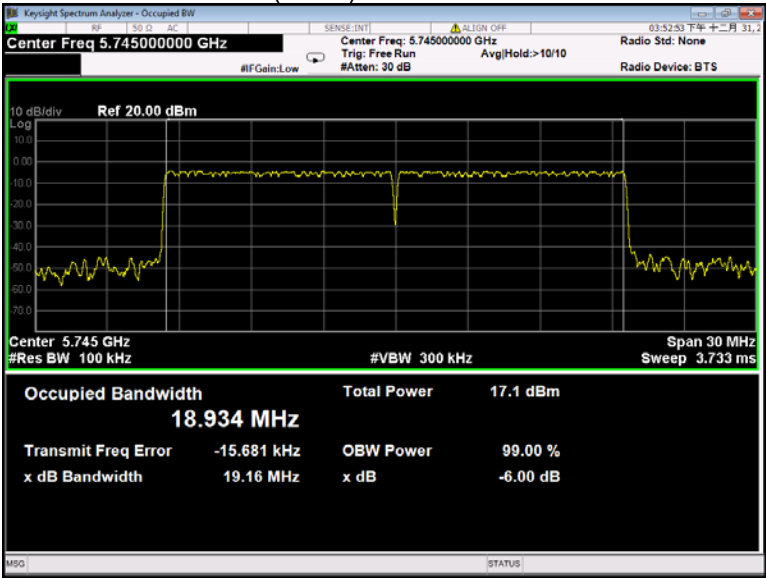
802.11ac(VHT20) U-NII-3 Middle channel



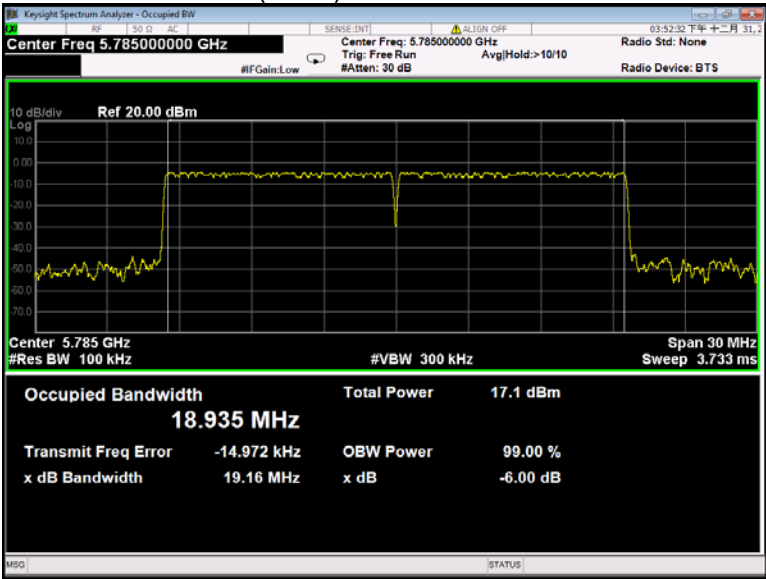
802.11ac(VHT20) U-NII-3 High channel



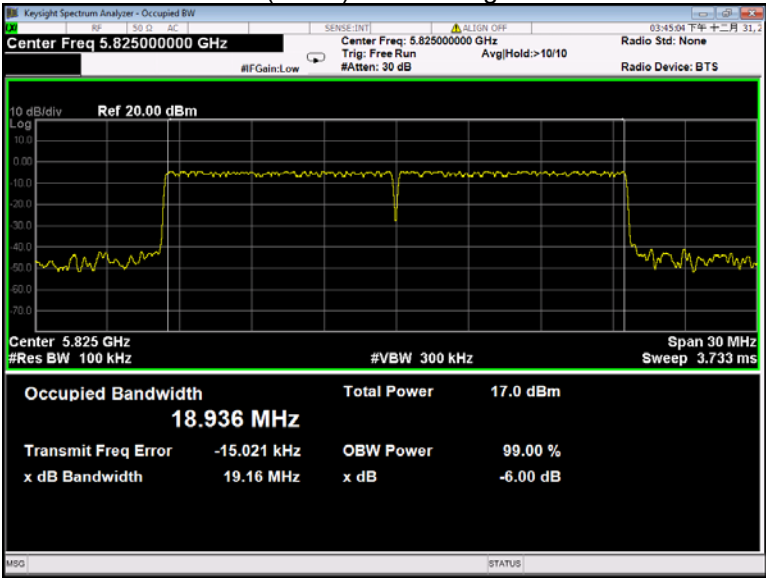
802.11ax(HE20) U-NII-3 Low channel

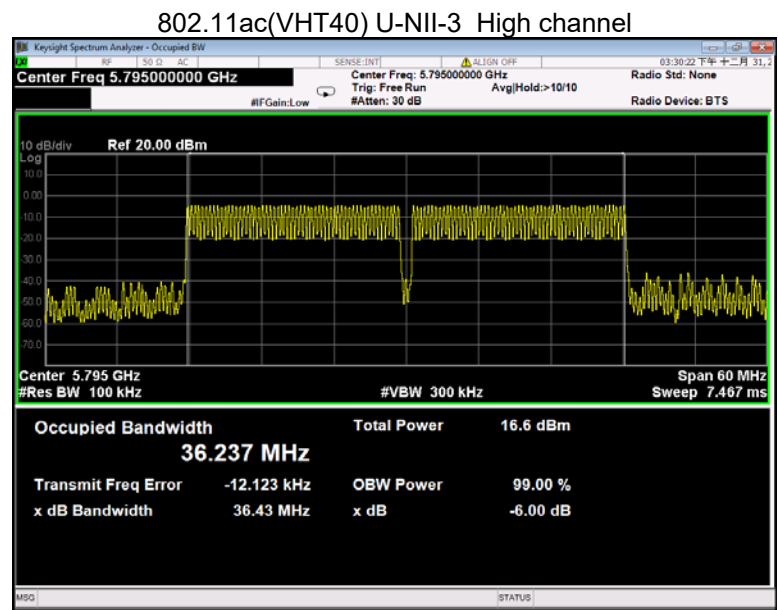
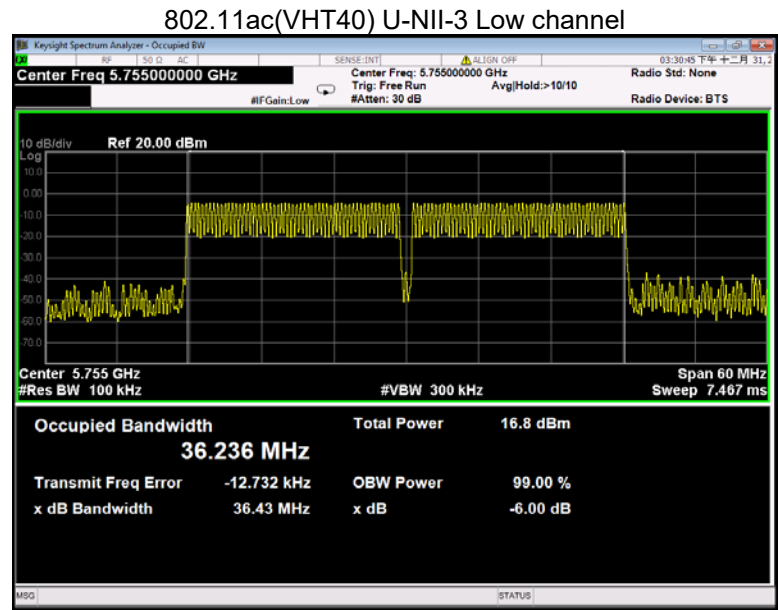


802.11ax(HE20) U-NII-3 Middle channel

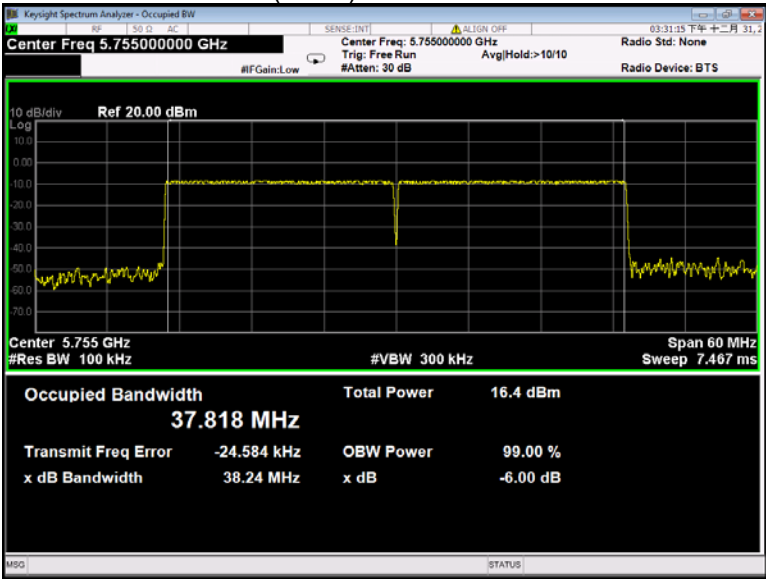


802.11ax(HE20) U-NII-3 High channel

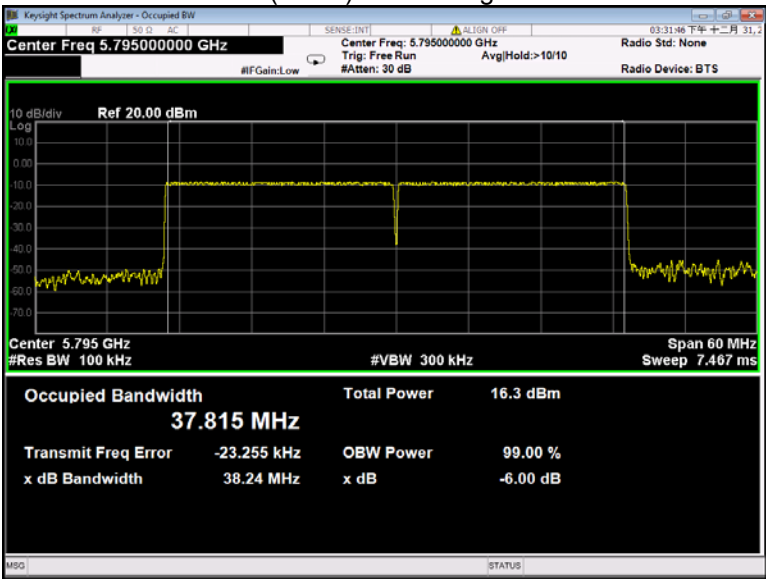




802.11ax(HE40) U-NII-3 Low channel



802.11ax(HE40) U-NII-3 High channel



11 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

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 = 1% to 5% of the OBW, VBW = 3x RBW

11.2 Test Result

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-1	802.11a	16.91	16.90	16.90	16.348	16.342	16.341
	802.11n(HT20)	18.16	18.16	16.16	17.578	17.576	17.575
	802.11n(HT40)	37.41	/	37.41	36.159	/	36.149
	802.11ac(VHT20)	18.16	18.16	18.16	17.578	17.577	17.577
	802.11ax(HE20)	19.59	19.60	19.59	18.961	18.964	18.966
	802.11ac(VHT40)	37.40	/	37.39	36.157	/	36.144
	802.11ax(HE40)	39.12	/	39.12	37.785	/	37.781

Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2A	802.11a	16.90	16.90	18.16	16.341	16.341	17.576
	802.11n(HT20)	18.20	18.16	18.15	17.604	17.575	17.575
	802.11n(HT40)	37.41	/	37.41	36.152	/	36.148
	802.11ac(VHT20)	18.24	18.15	18.16	17.588	17.575	17.576
	802.11ax(HE20)	19.59	19.60	19.59	18.960	18.962	18.960
	802.11ac(VHT40)	37.41	/	37.41	36.150	/	36.150
	802.11ax(HE40)	39.11	/	39.11	37.781	/	37.779

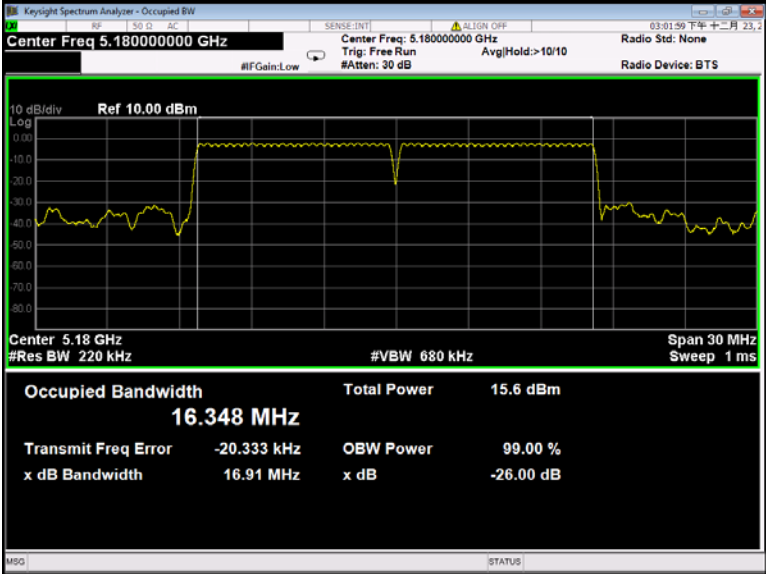
Band	Operation mode	26 dB Bandwidth (MHz)			99% Bandwidth (MHz)		
		Low	Middle	High	Low	Middle	High
U-NII-2C	802.11a	16.93	16.89	16.90	16.364	16.341	16.340
	802.11n(HT20)	18.15	18.15	18.15	17.575	17.576	17.577
	802.11n(HT40)	37.40	37.40	37.41	36.152	36.146	36.149
	802.11ac(VHT20)	18.15	18.15	18.14	17.577	17.578	17.577
	802.11ax(HE20)	19.59	19.59	15.59	18.962	18.960	18.961
	802.11ac(VHT40)	37.40	37.40	37.41	36.152	36.146	36.149
	802.11ax(HE40)	39.10	39.10	39.10	37.780	37.775	37.776

Band	Operation mode	99% Bandwidth (MHz)		
		Low	Middle	High
U-NII-3	802.11a	16.341	16.341	16.343
	802.11n(HT20)	17.579	17.577	17.577
	802.11n(HT40)	36.158	/	36.159
	802.11ac(VHT20)	17.578	17.579	17.577
	802.11ax(HE20)	18.962	18.963	18.960
	802.11ac(VHT40)	36.157	/	36.158
	802.11ax(HE40)	37.791	/	37.789

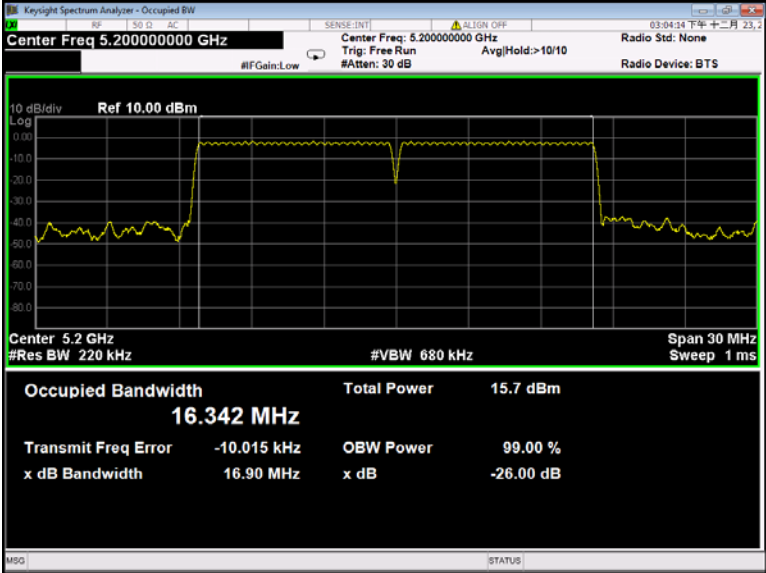
Test result plots shown as follows:

26 dB Bandwidth

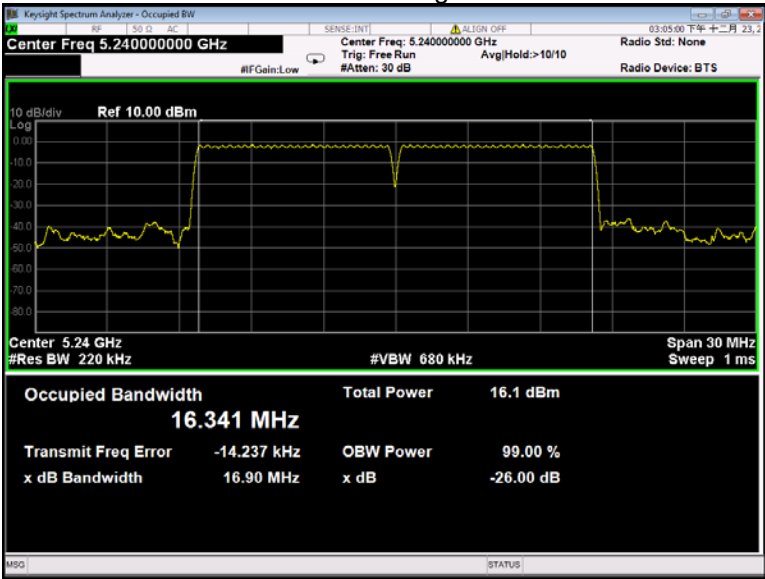
802.11a U-NII-1 Low channel



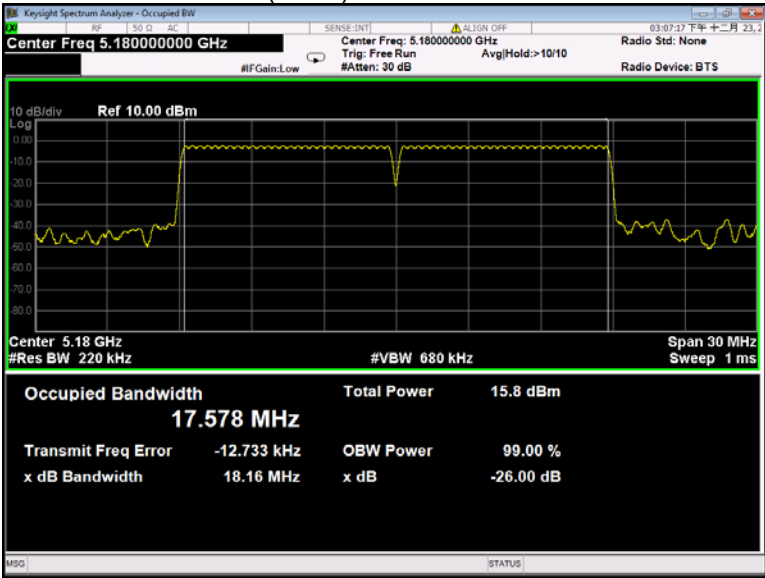
802.11a U-NII-1 Middle channel



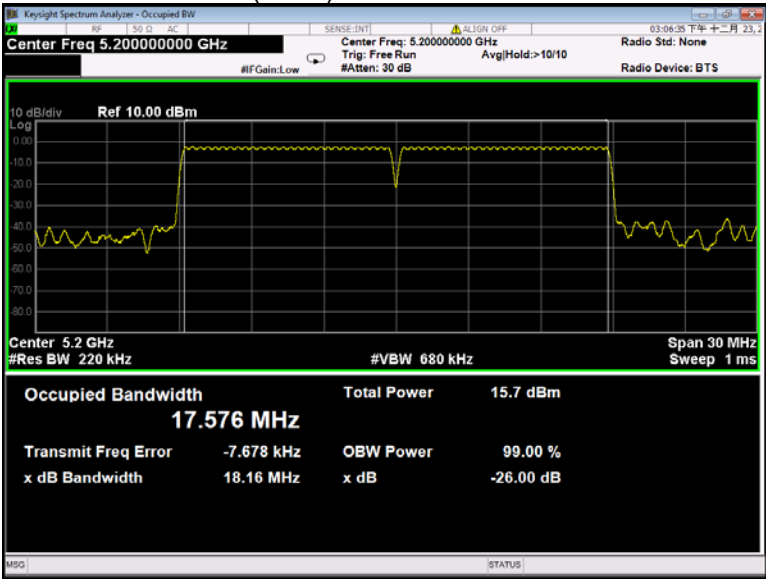
802.11a U-NII-1 High channel



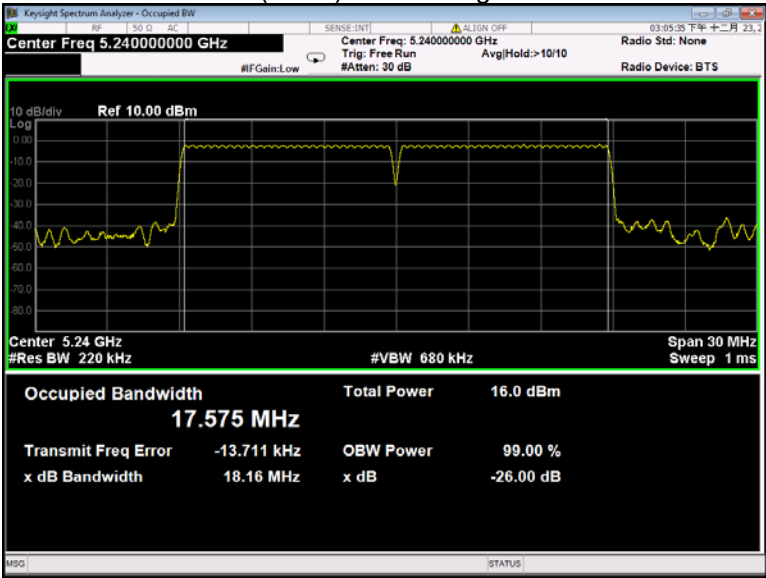
802.11n(HT20) U-NII-1 Low channel



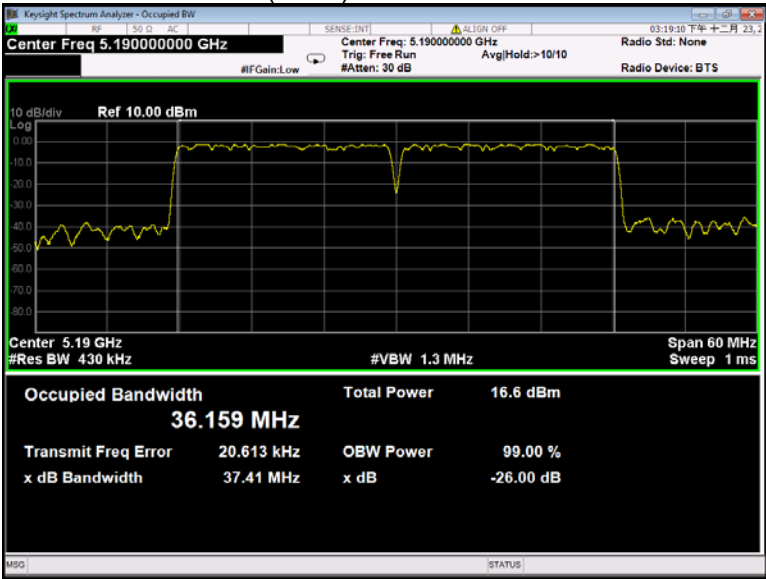
802.11n(HT20) U-NII-1 Middle channel



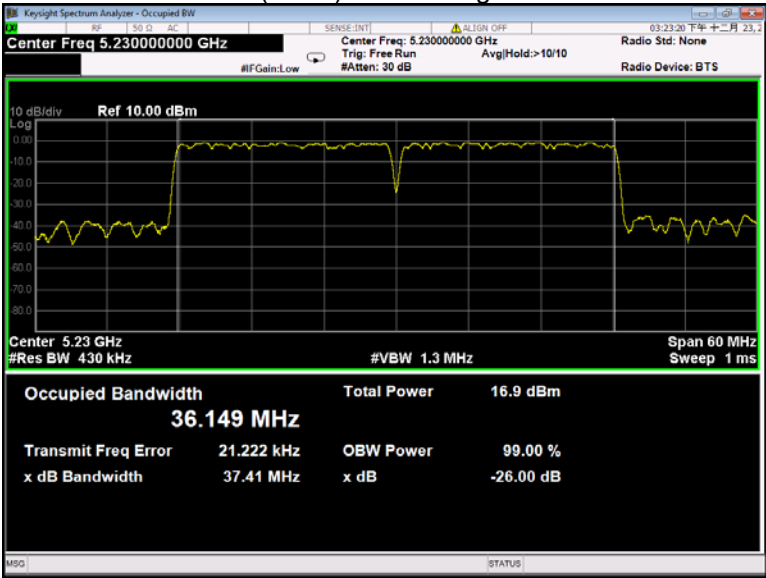
802.11n(HT20) U-NII-1 High channel



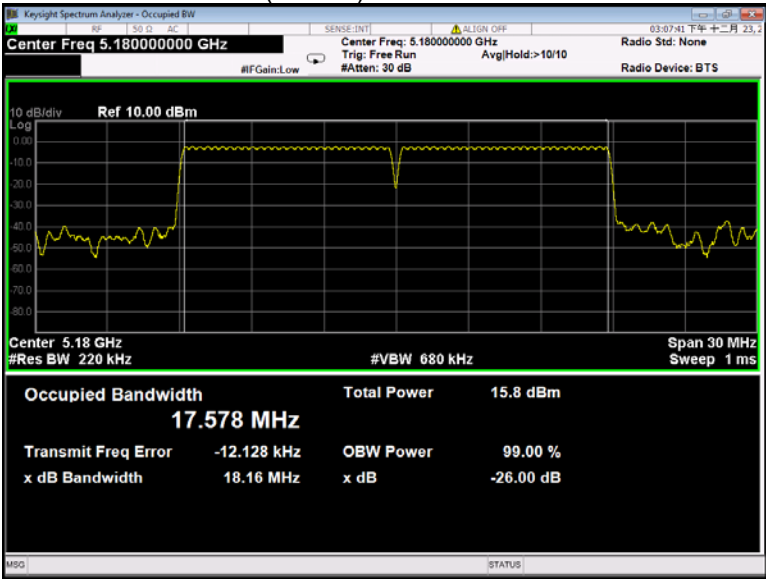
802.11n(HT40) U-NII-1 Low channel



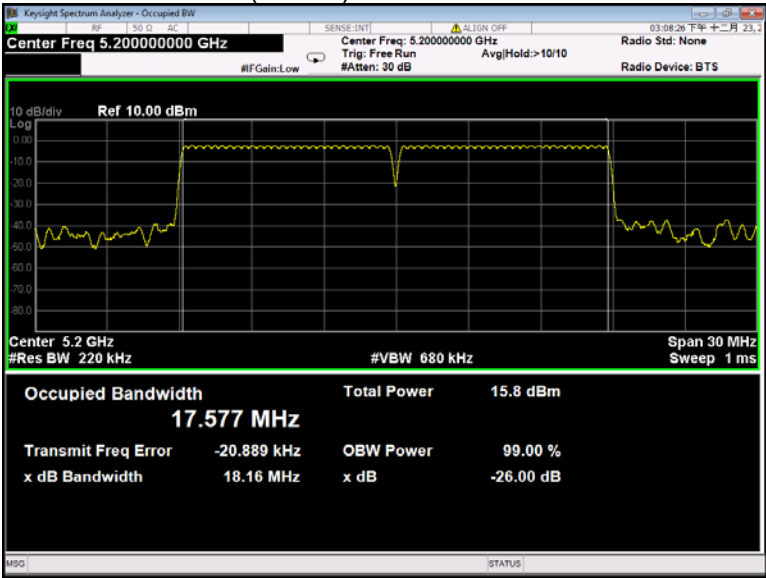
802.11n(HT40) U-NII-1 High channel



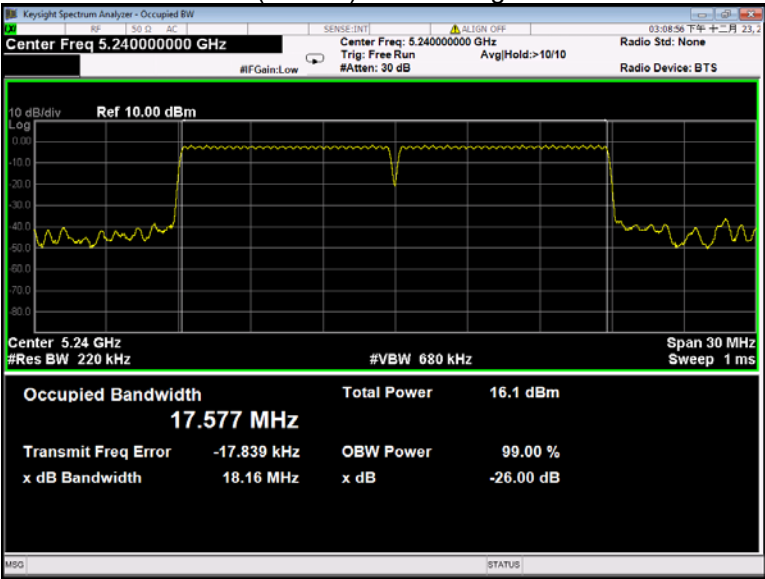
802.11ac(VHT20) U-NII-1 Low channel



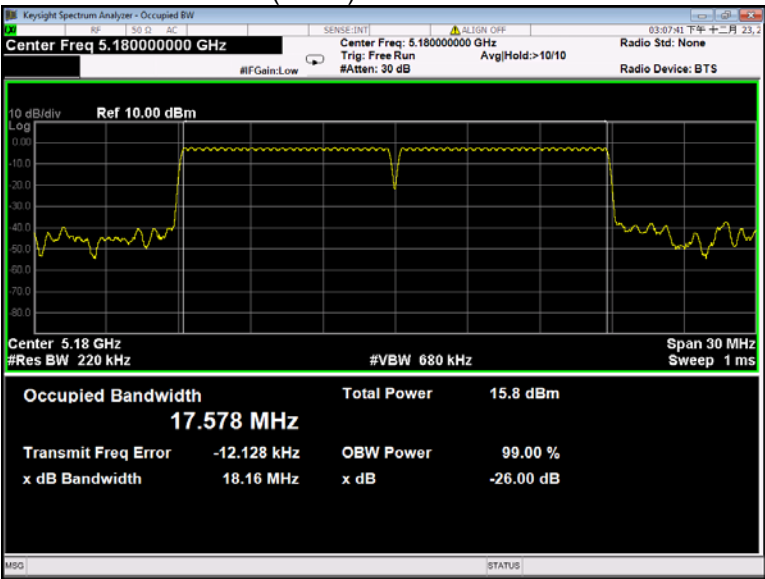
802.11ac(VHT20) U-NII-1 Middle channel



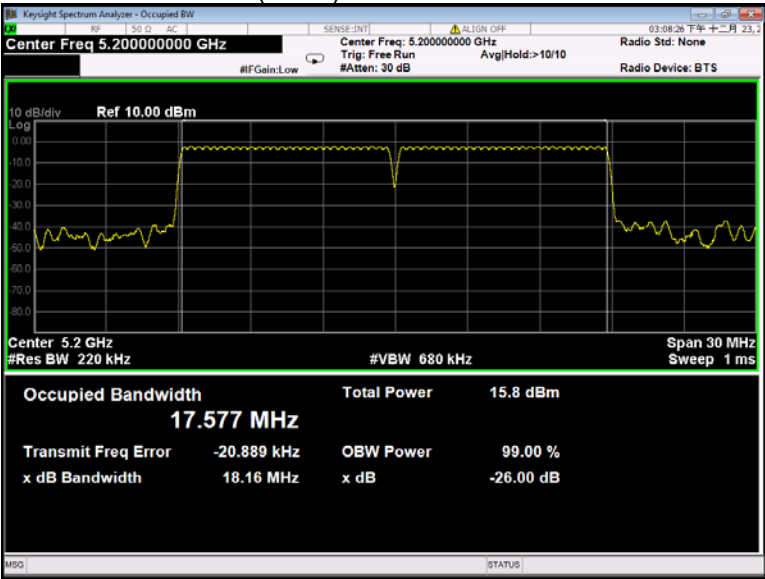
802.11ac(VHT20) U-NII-1 High channel



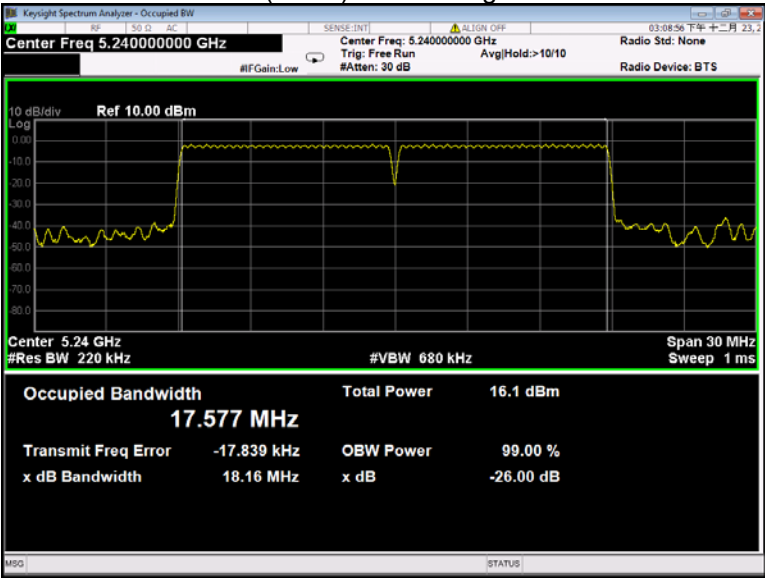
802.11ax(HE20) U-NII-1 Low channel



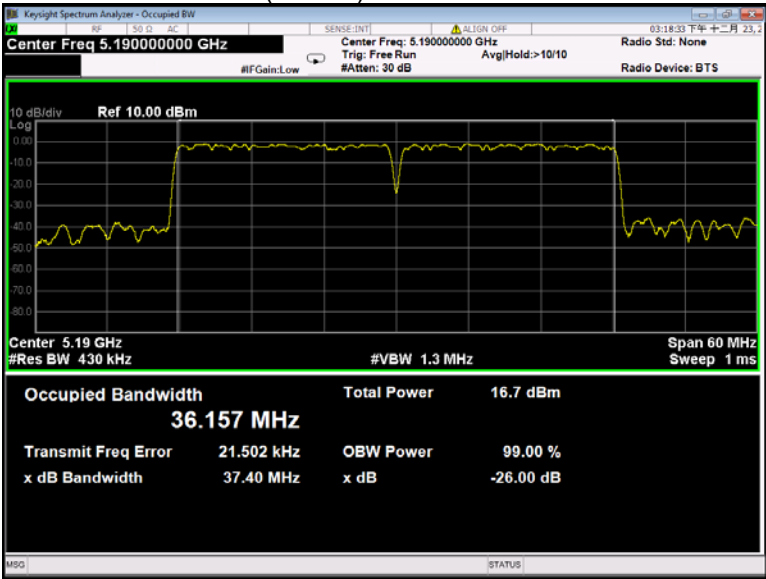
802.11ax(HE20) U-NII-1 Middle channel



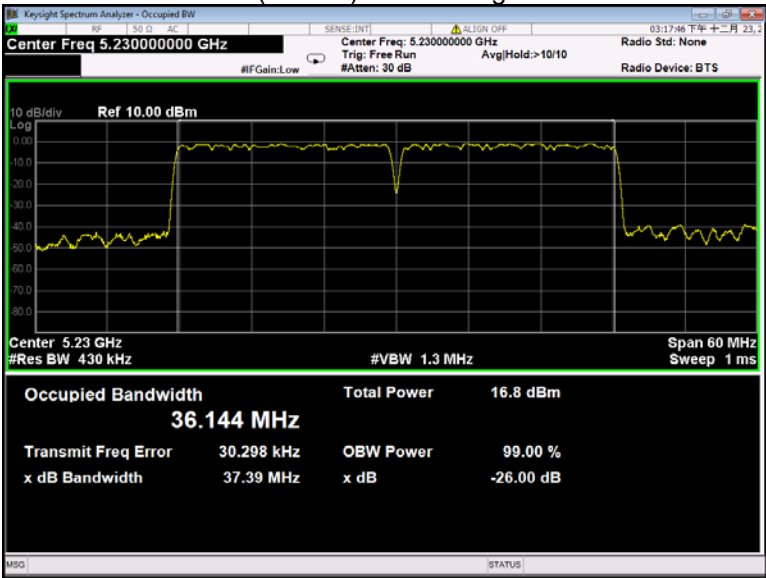
802.11ax(HE20) U-NII-1 High channel



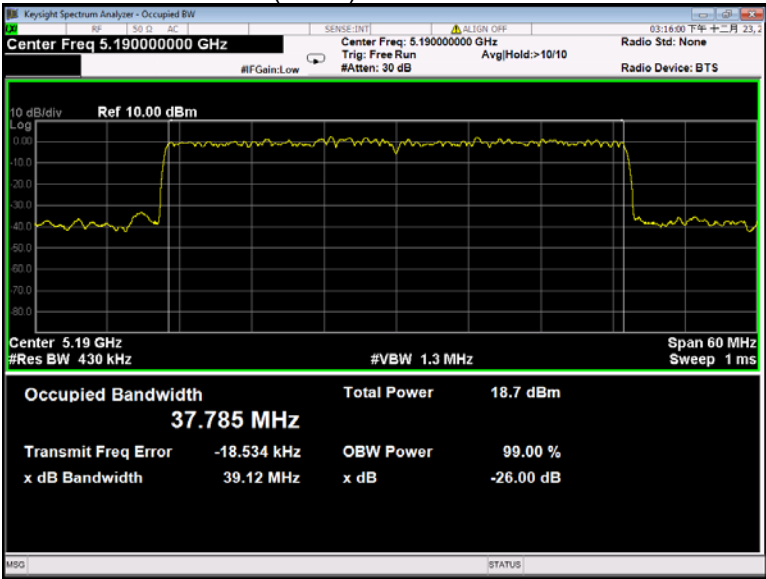
802.11ac(VHT40) U-NII-1 Low channel



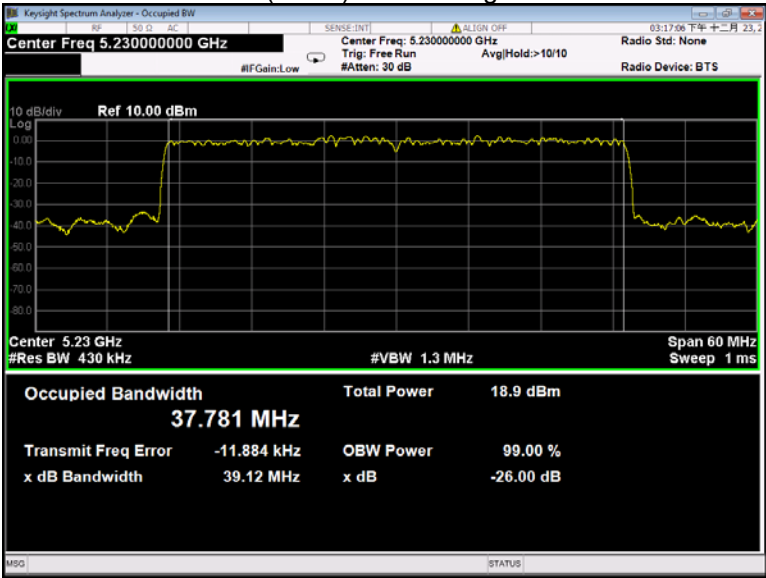
802.11ac(VHT40) U-NII-1 High channel



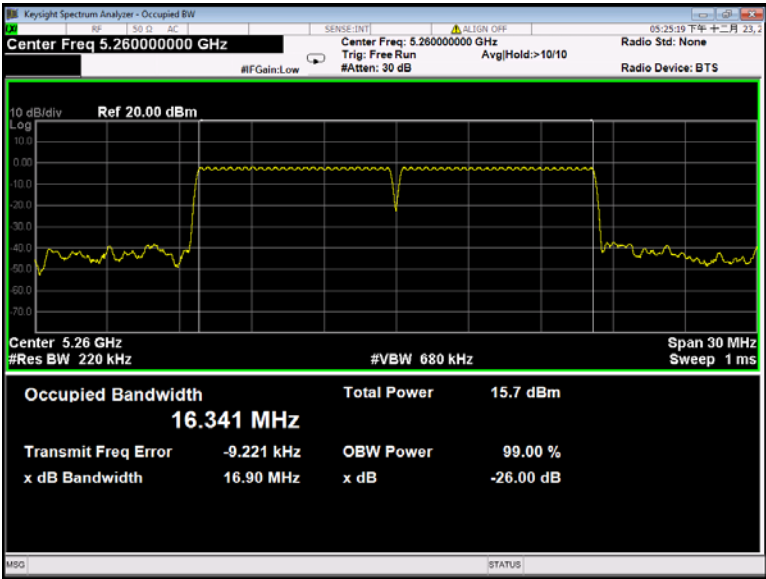
802.11ax(HE40) U-NII-1 Low channel



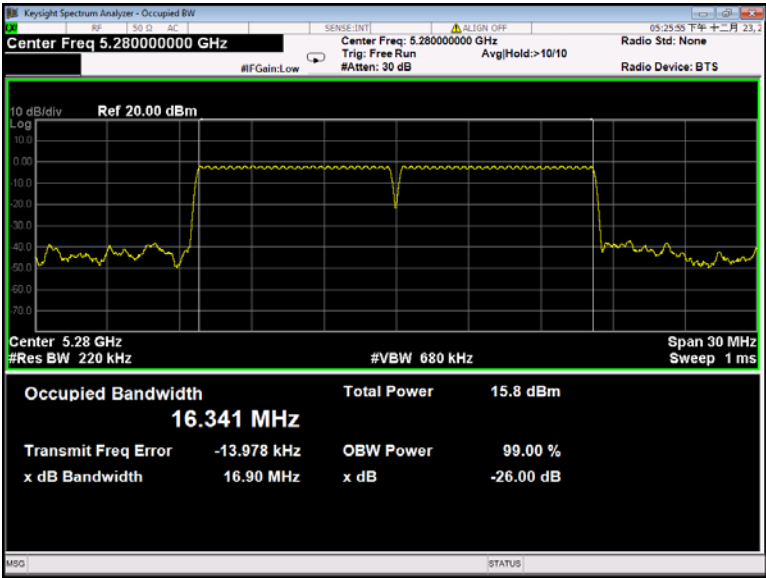
802.11ax(HE40) U-NII-1 High channel



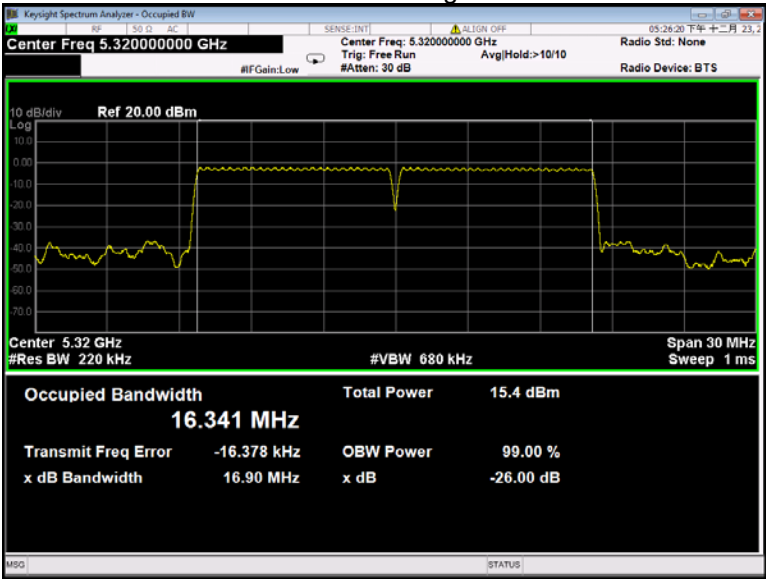
802.11a U-NII-2A Low channel



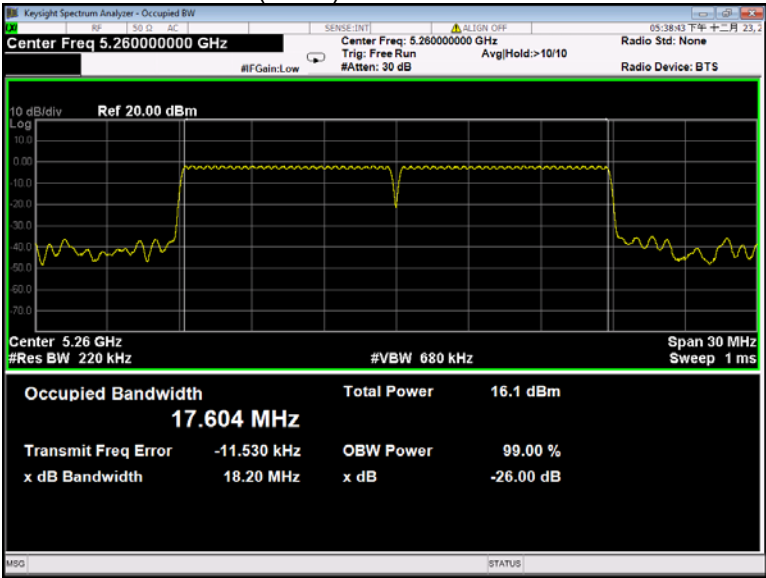
802.11a U-NII-2A Middle channel



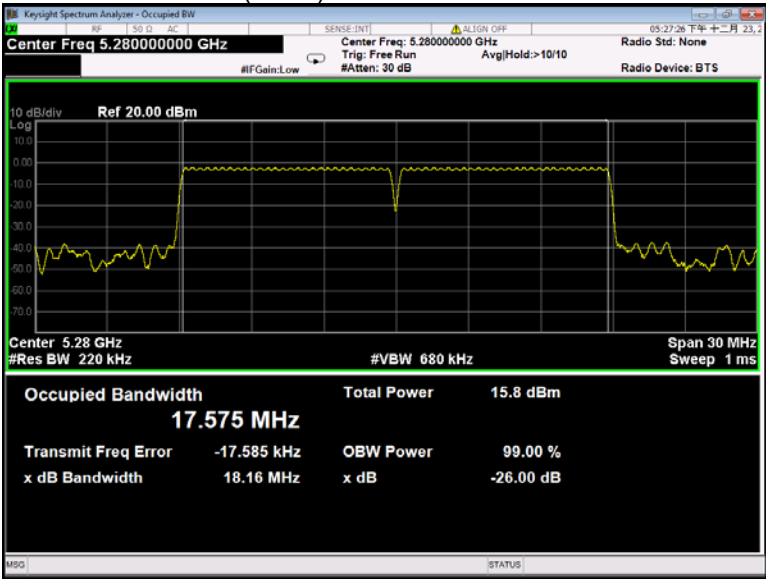
802.11a U-NII-2A High channel



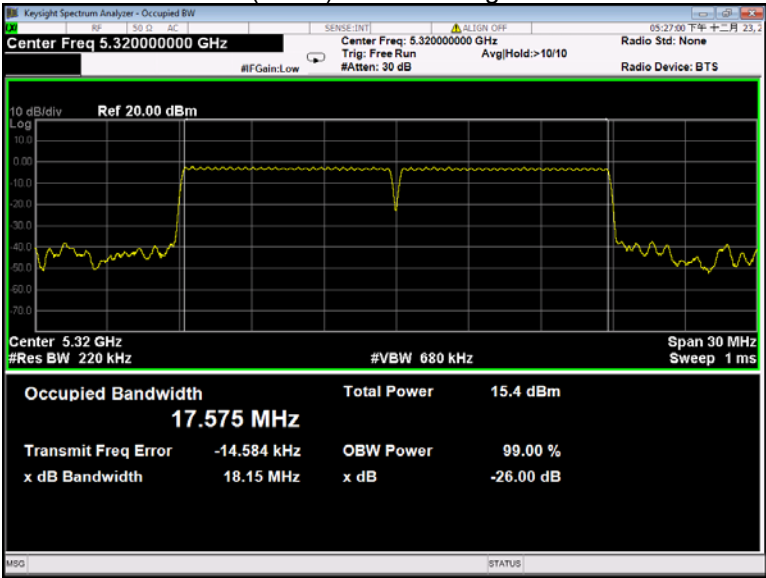
802.11n(HT20) U-NII-2A Low channel



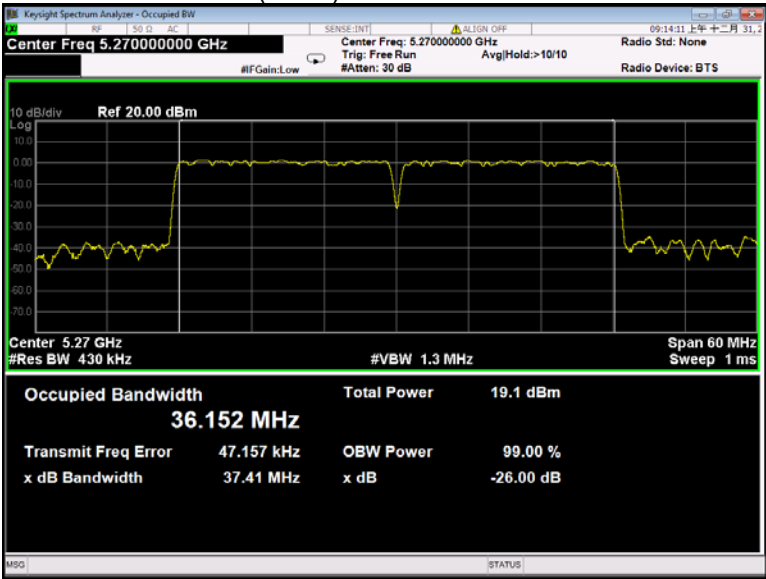
802.11n(HT20) U-NII-2A Middle channel



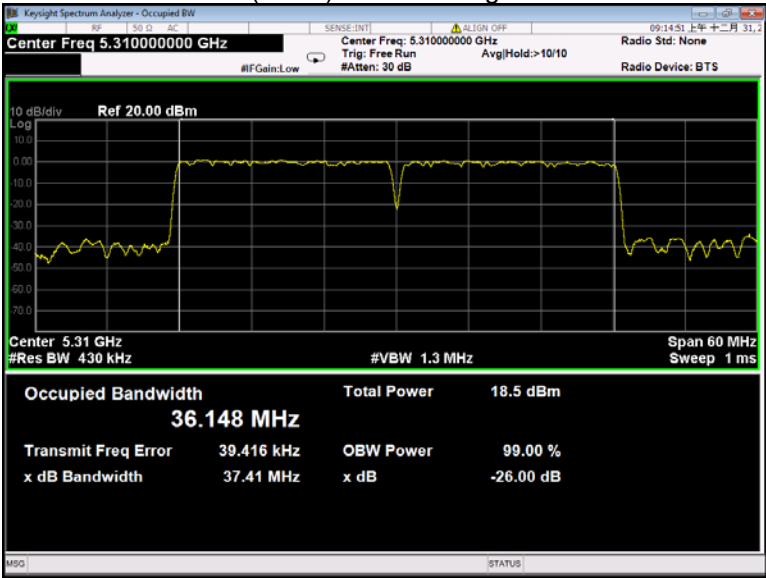
802.11n(HT20) U-NII-2A High channel



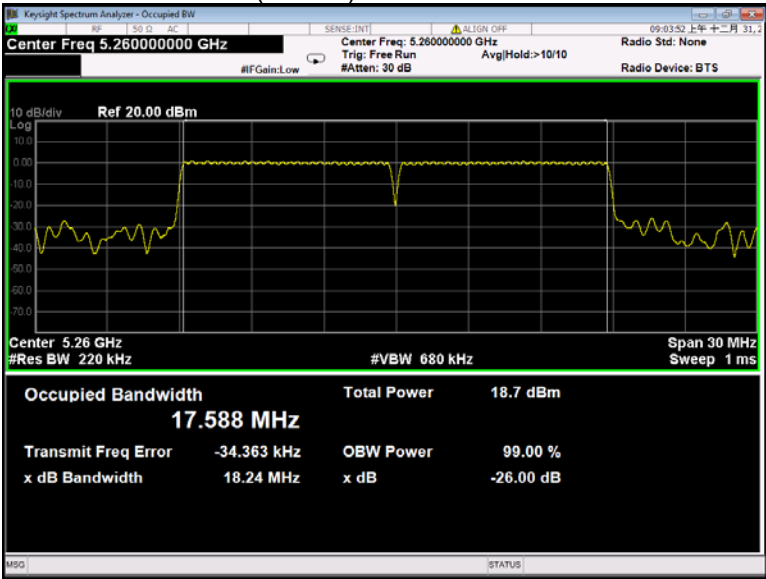
802.11n(HT40) U-NII-2A Low channel



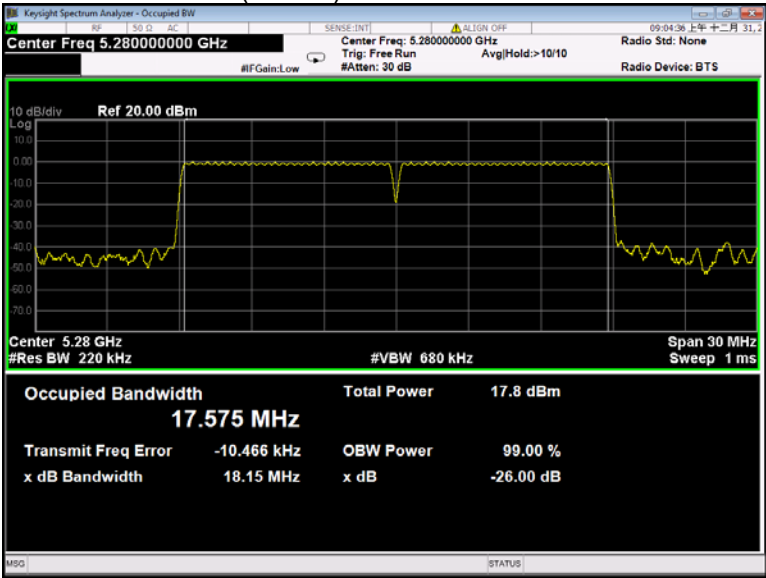
802.11n(HT40) U-NII-2A High channel



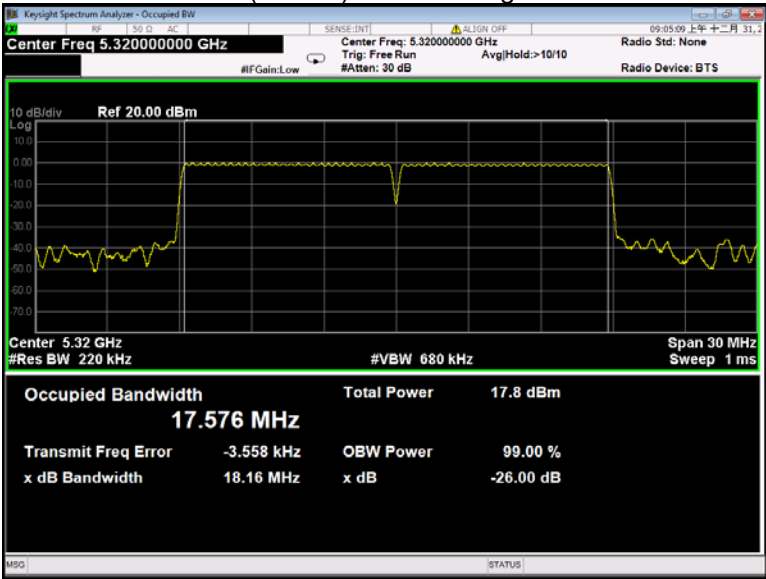
802.11ac(VHT20) U-NII-2A Low channel



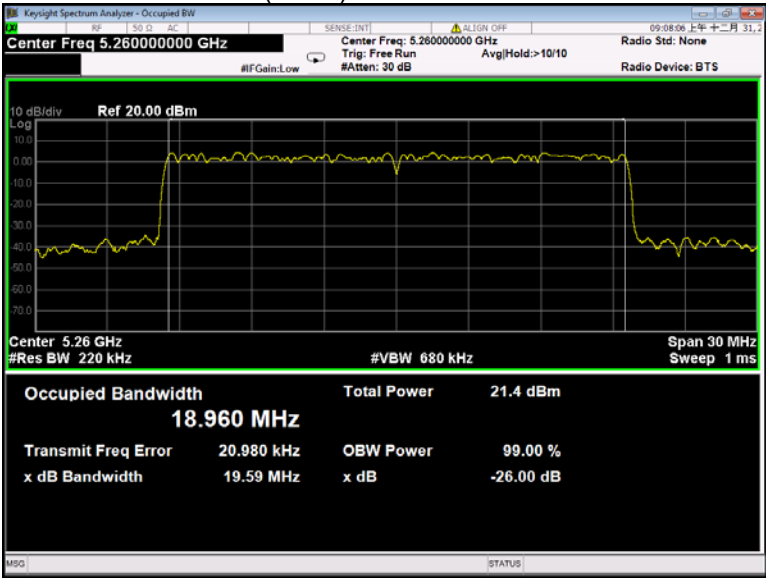
802.11ac(VHT20) U-NII-2A Middle channel



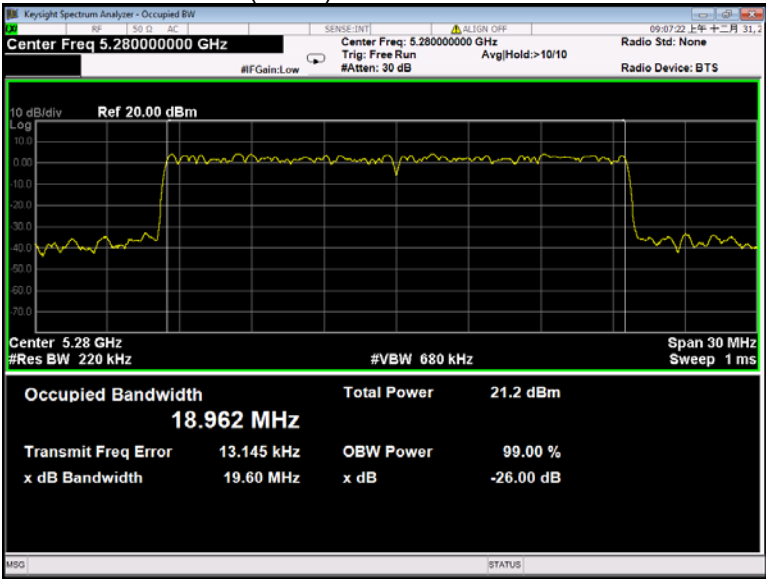
802.11ac(VHT20) U-NII-2A High channel



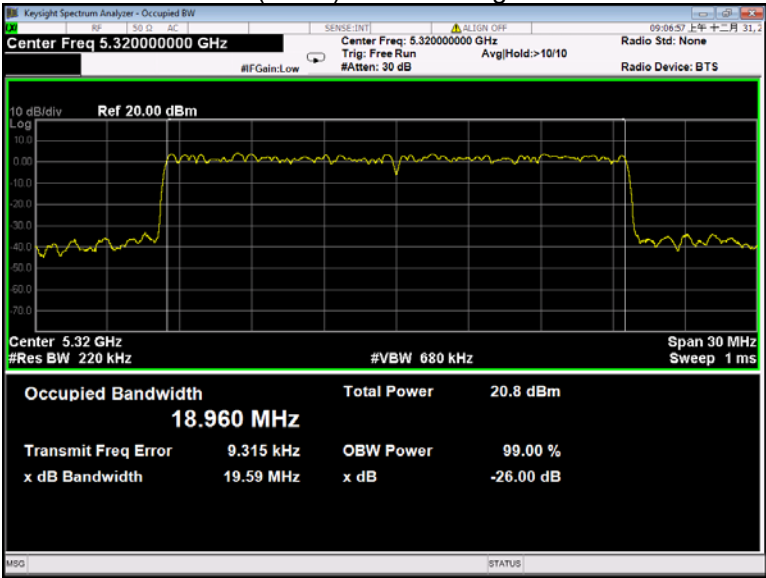
802.11ax(HE20) U-NII-2A Low channel



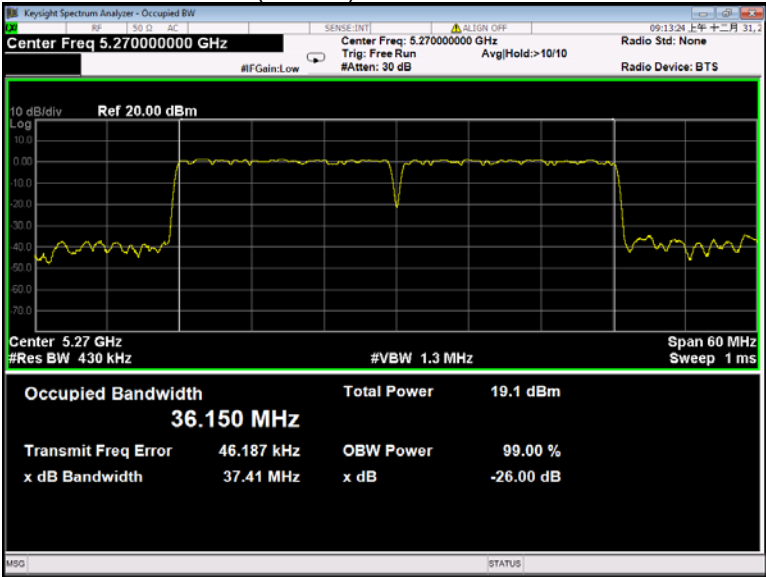
802.11ax(HE20) U-NII-2A Middle channel



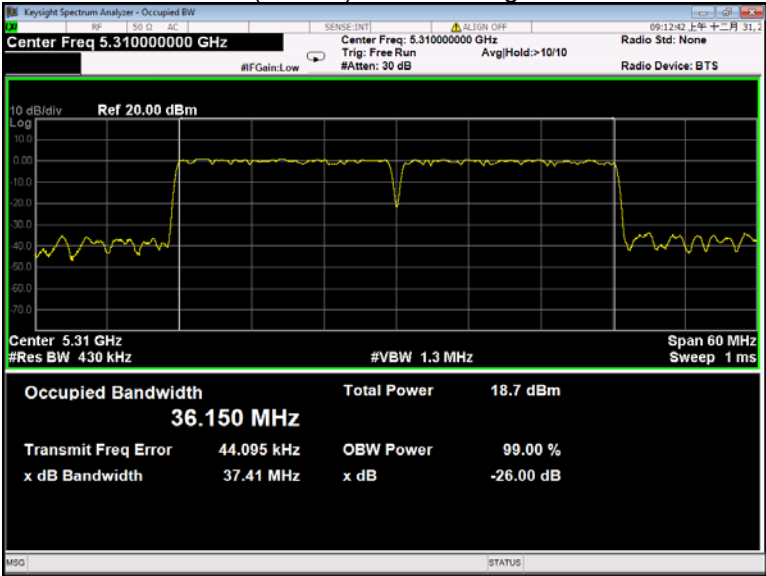
802.11ax(HE20) U-NII-2A High channel



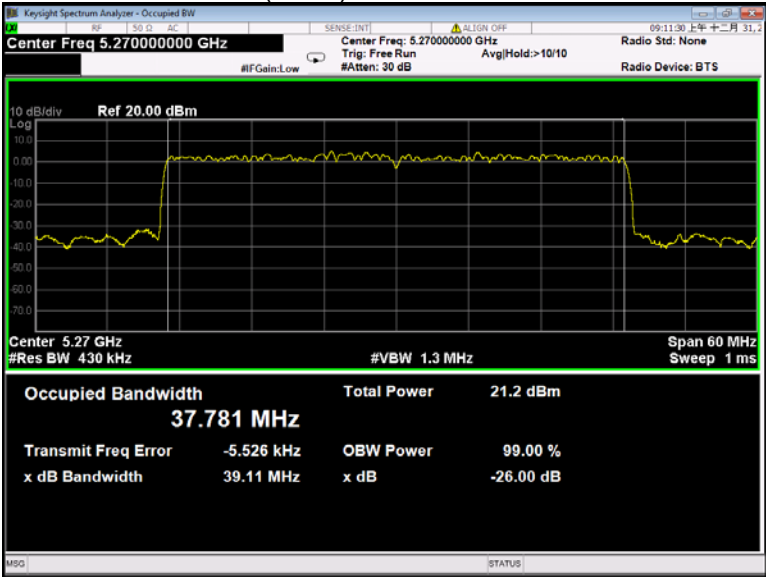
802.11ac(VHT40) U-NII-2A Low channel



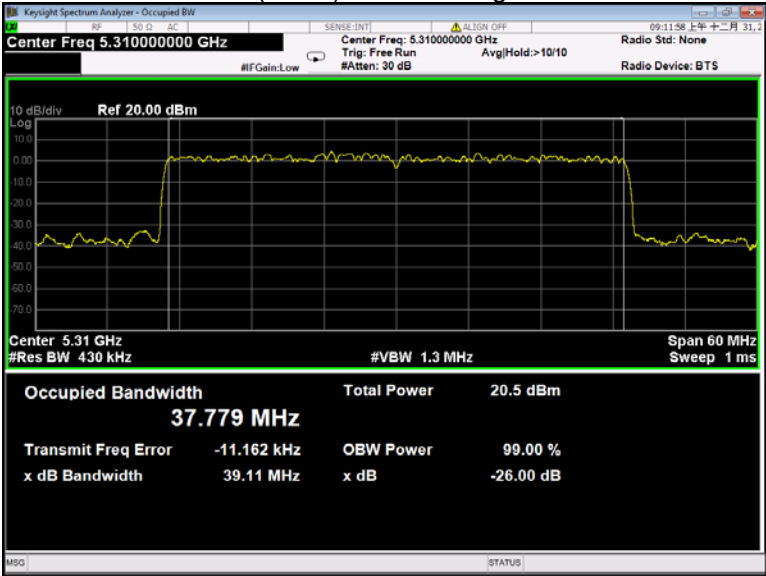
802.11 ac(VHT40) U-NII-2A High channel



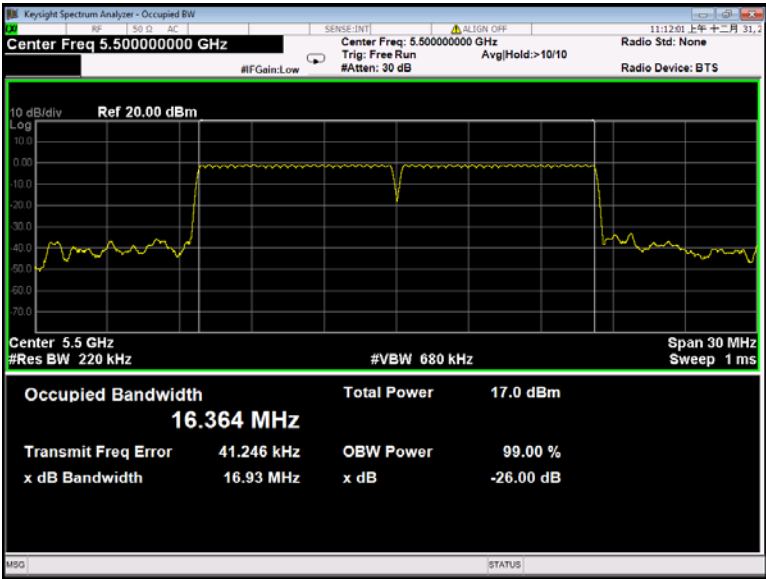
802.11ax(HE40) U-NII-2A Low channel



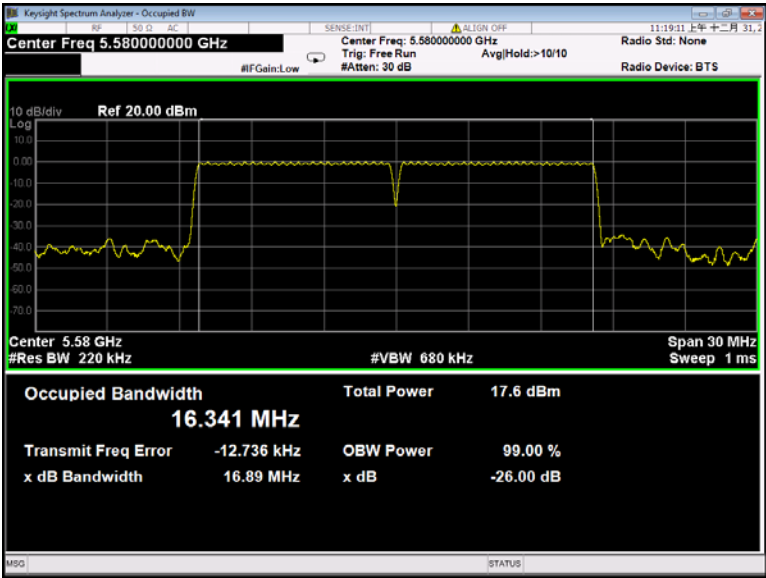
802.11ax(HE40) U-NII-2A High channel



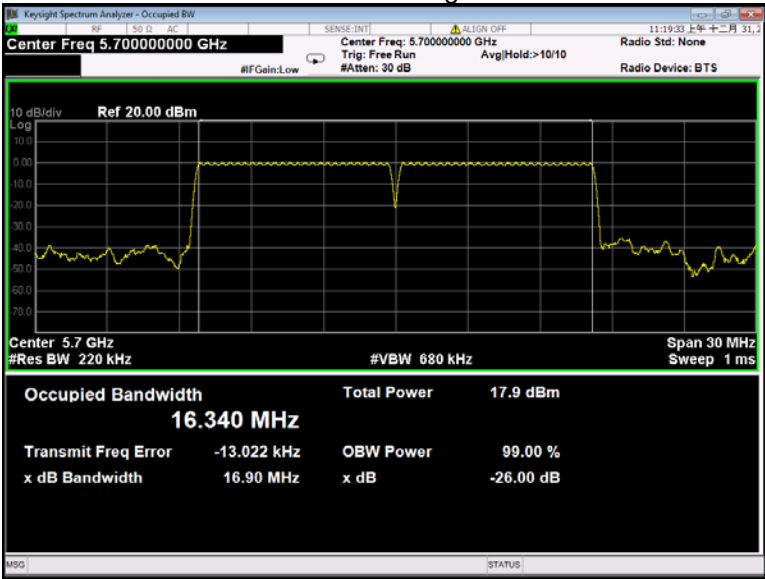
802.11a U-NII-2C Low channel



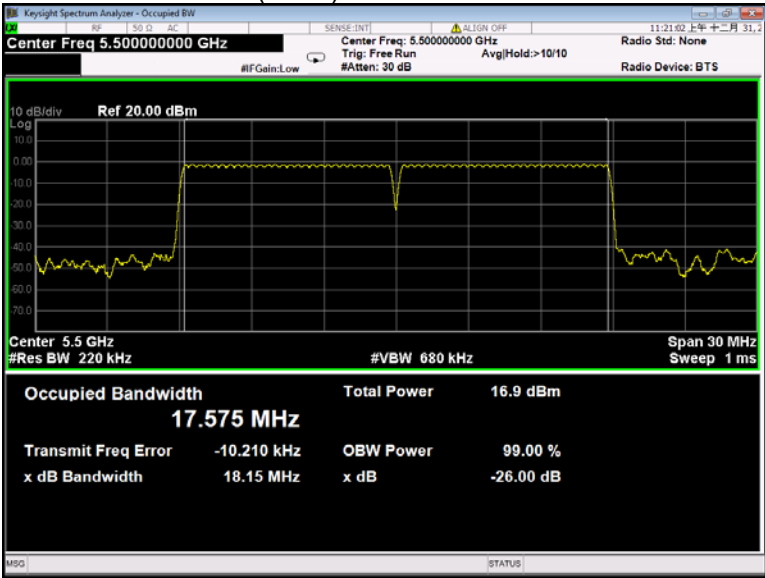
802.11a U-NII-2C Middle channel



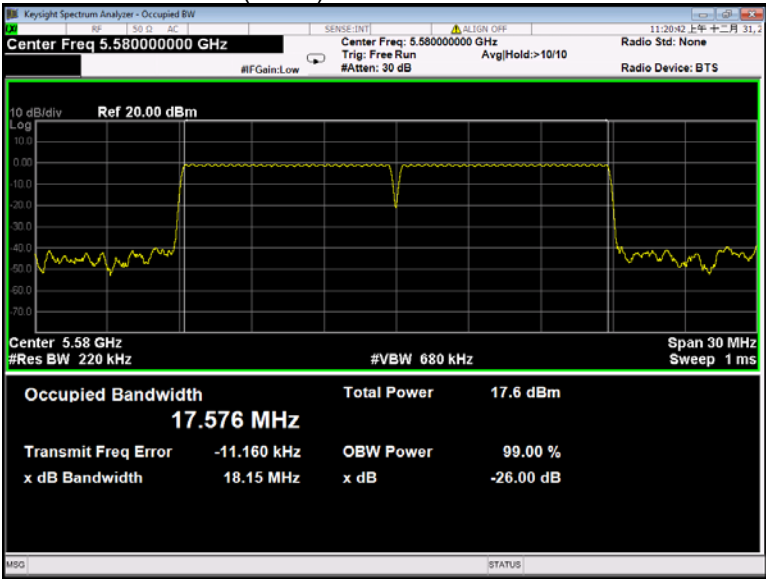
802.11a U-NII-2C High channel



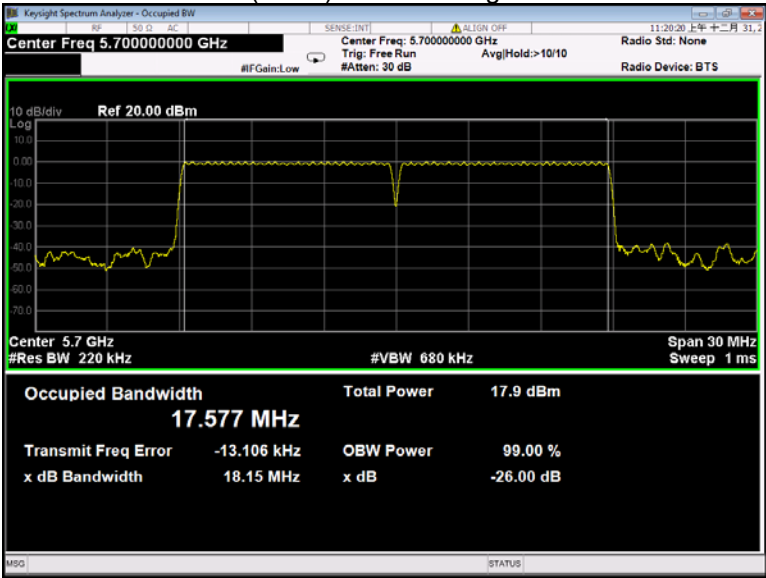
802.11n(HT20) U-NII-2C Low channel



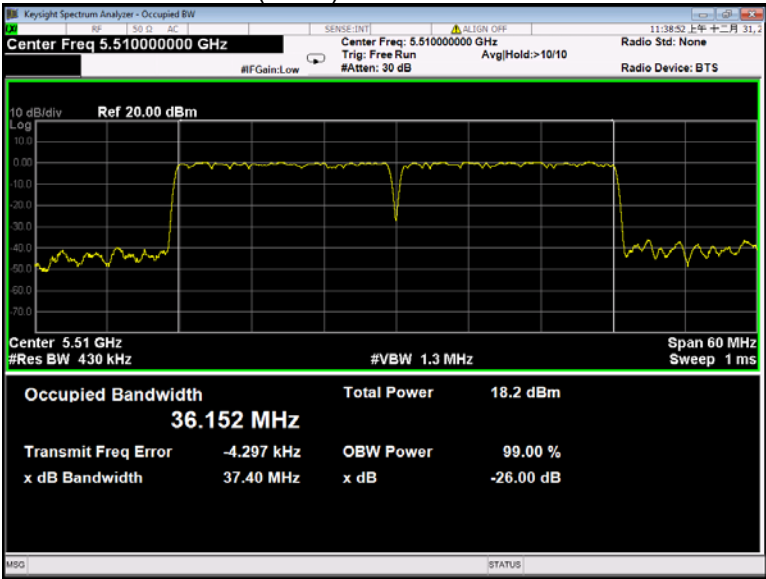
802.11n(HT20) U-NII-2C Middle channel



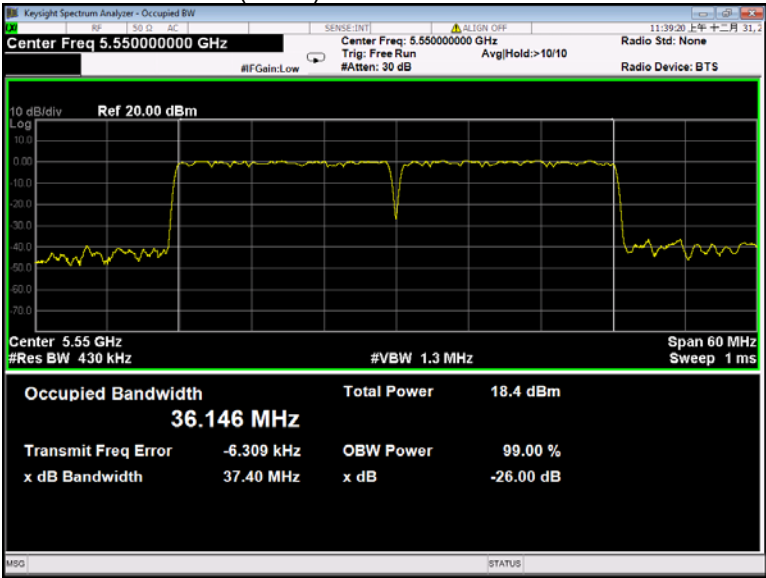
802.11n(HT20) U-NII-2C High channel



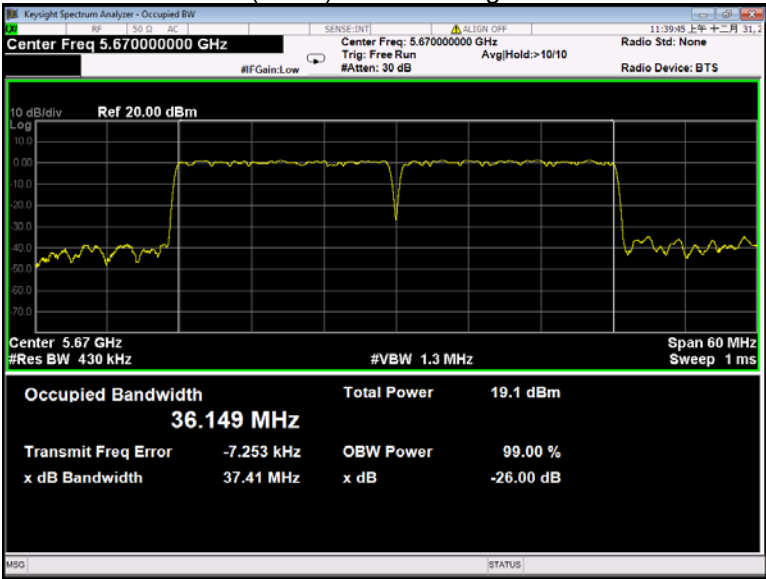
802.11n(HT40) U-NII-2C Low channel



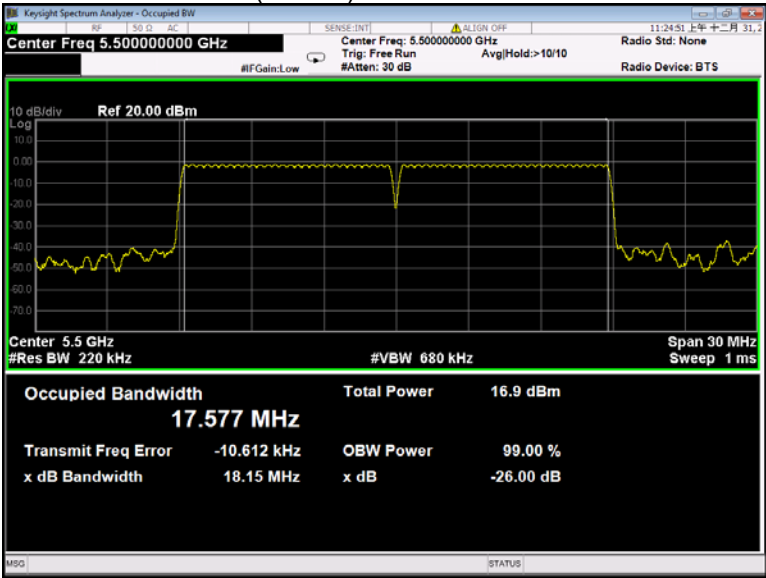
802.11n(HT40) U-NII-2C Middle channel



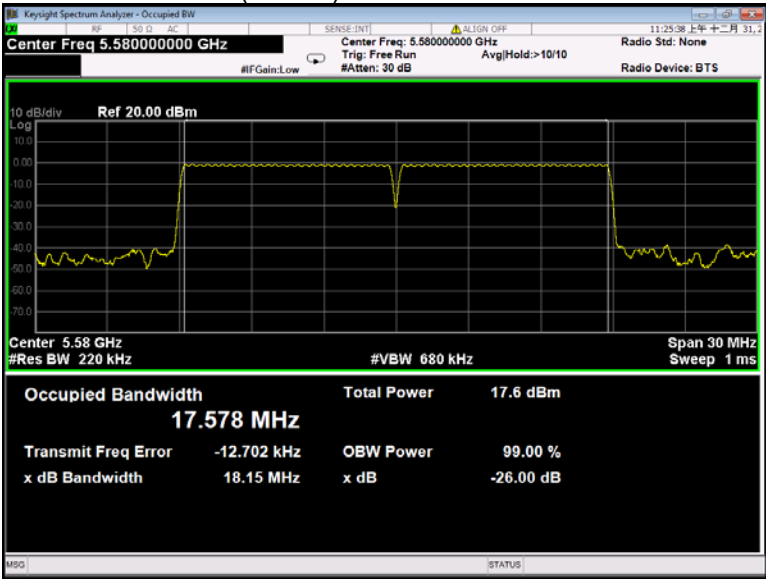
802.11n(HT40) U-NII-2C High channel



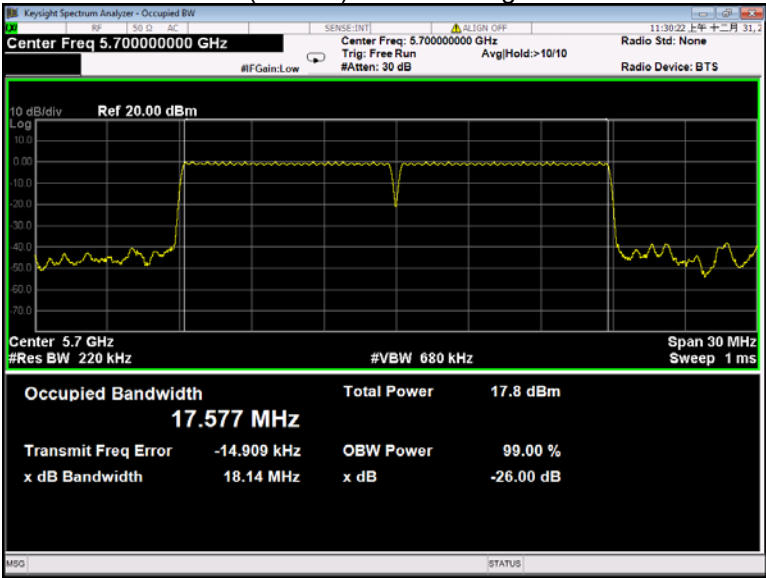
802.11ac(VHT20) U-NII-2C Low channel



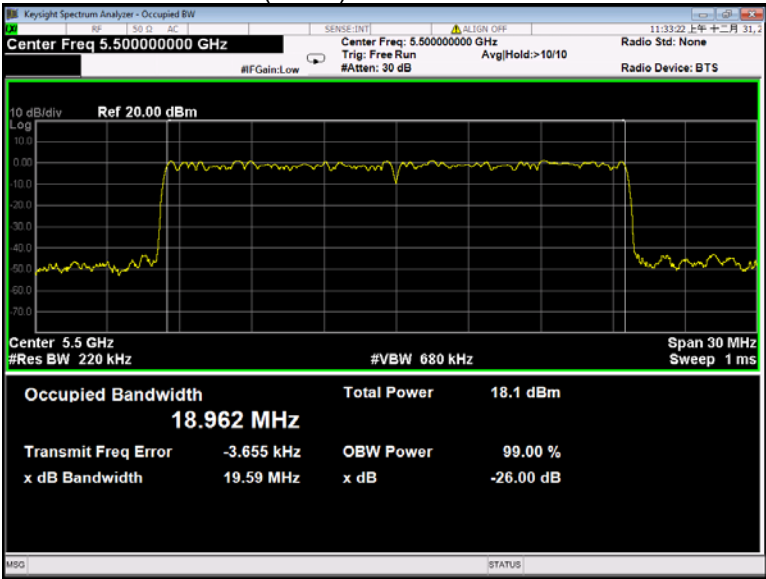
802.11ac(VHT20) U-NII-2C Middle channel



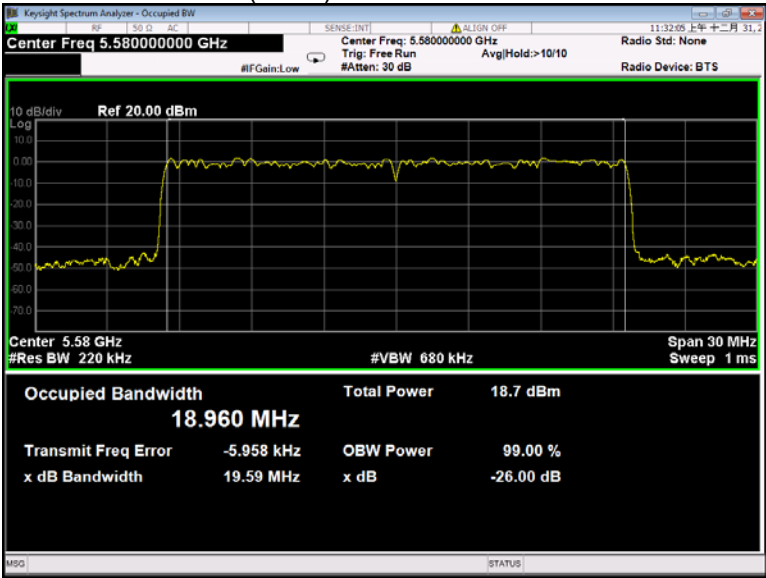
802.11ac(VHT20) U-NII-2C High channel



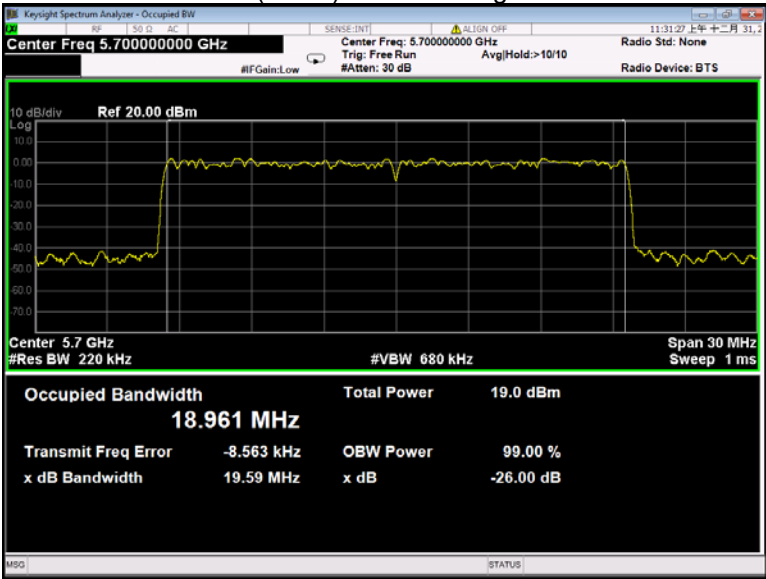
802.11ax(HE20) U-NII-2C Low channel



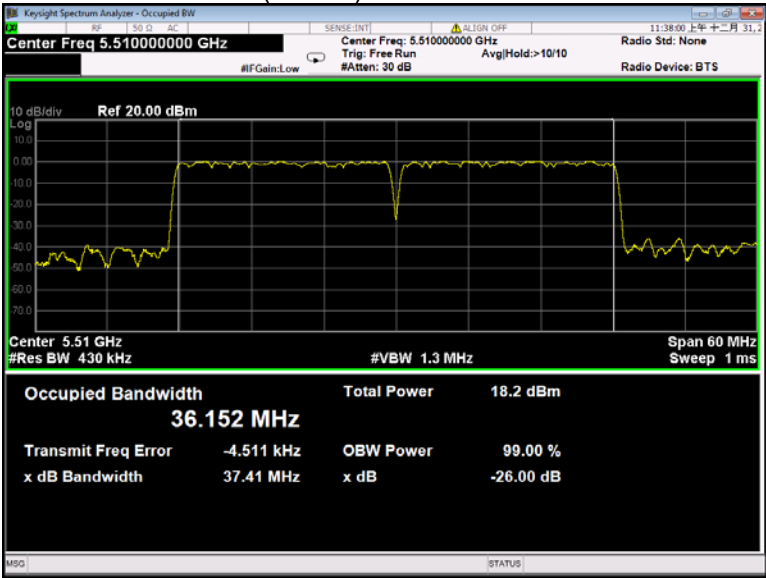
802.11ax(HE20) U-NII-2C Middle channel



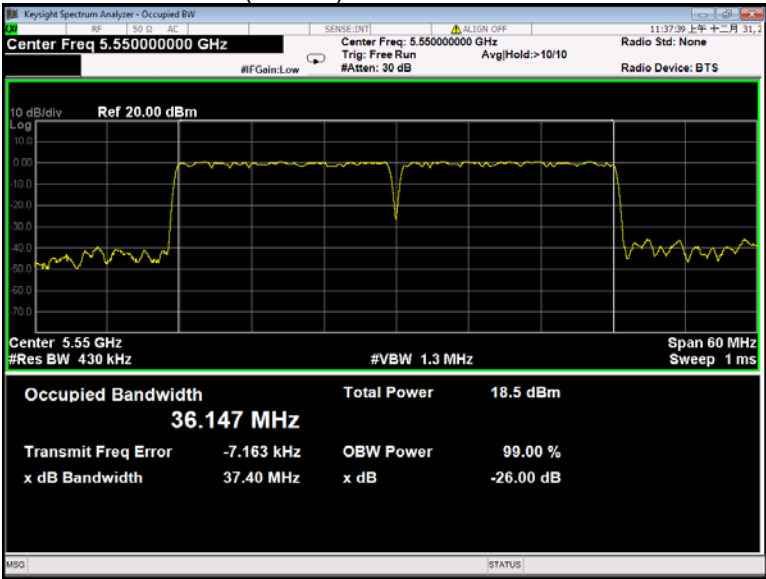
802.11ax(HE20) U-NII-2C High channel



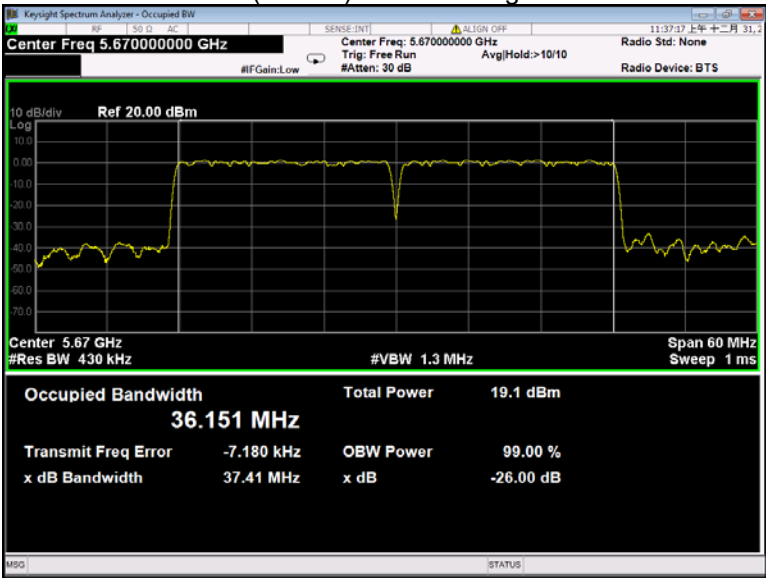
802.11 ac(VHT40)U-NII-2C Low channel



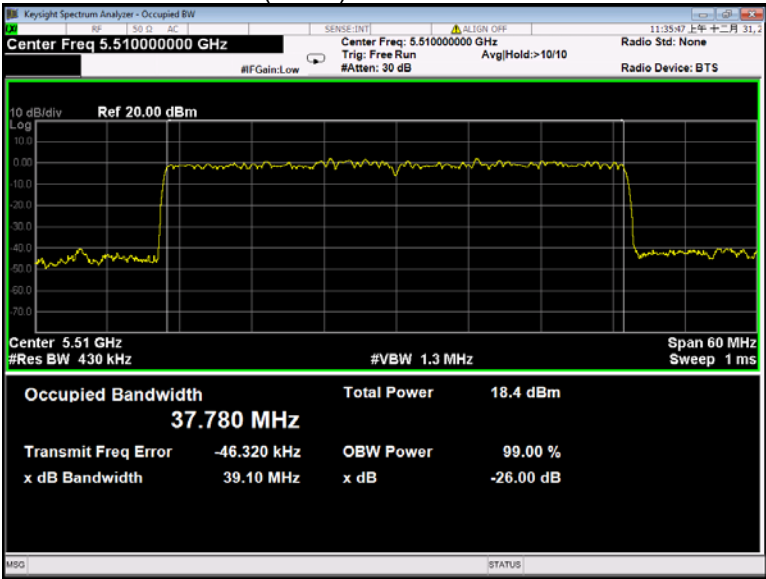
802.11 ac(VHT40) U-NII-2C Middle channel



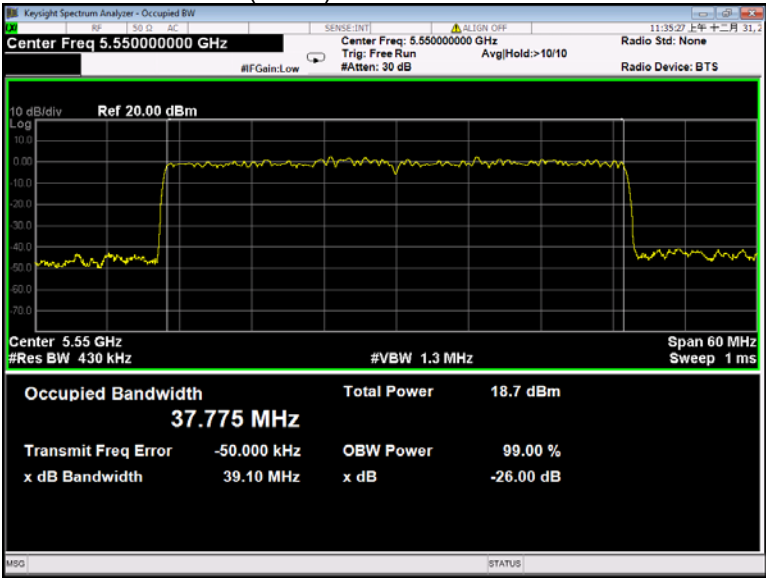
802.11 ac(VHT40) U-NII-2C High channel



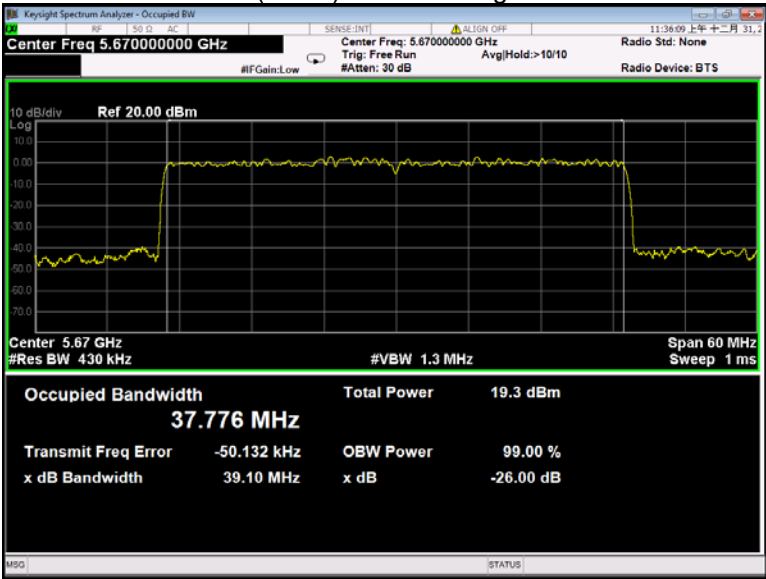
802.11ax(HE40) U-NII-2C Low channel



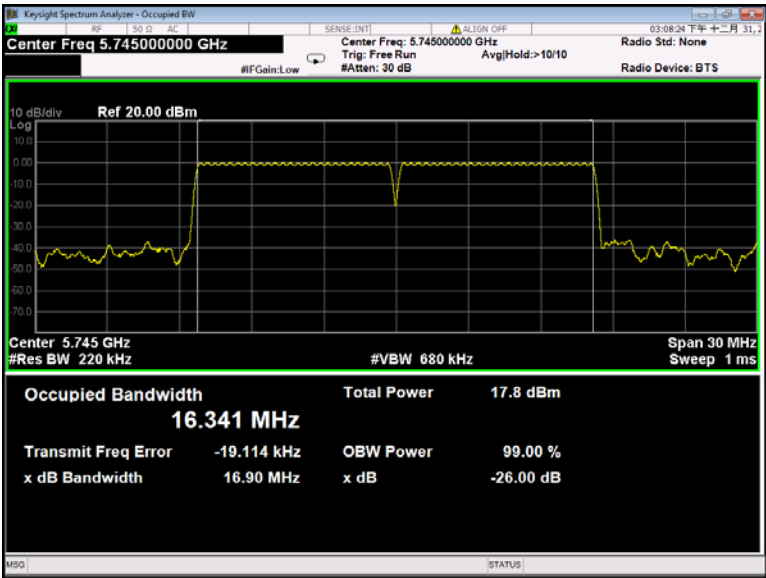
802.11ax(HE40) U-NII-2C Middle channel



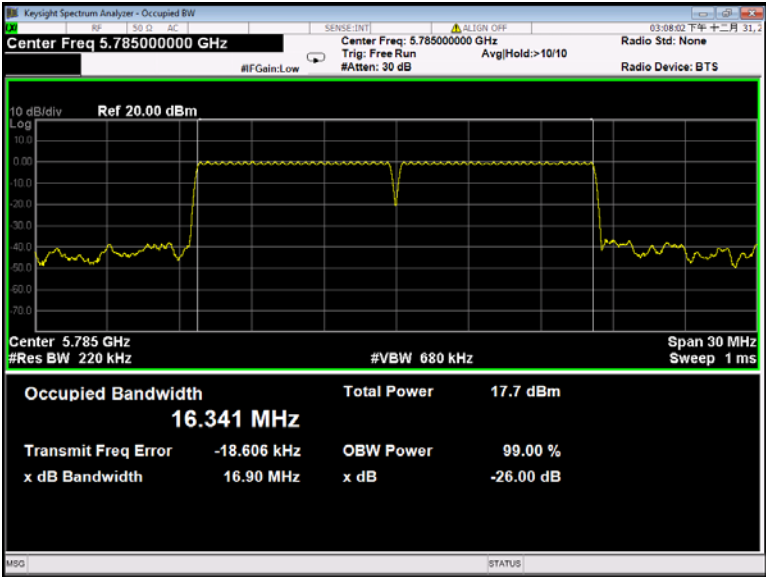
802.11ax(HE40) U-NII-2C High channel



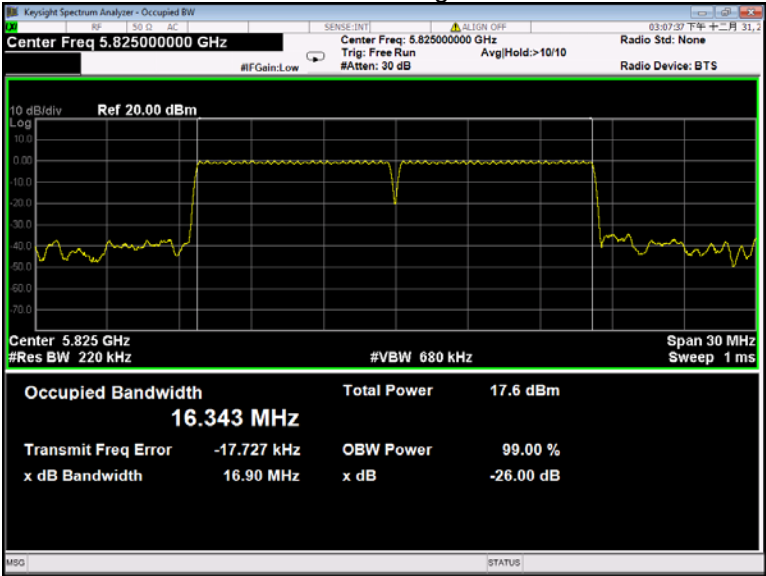
802.11a U-NII-3 Low channel



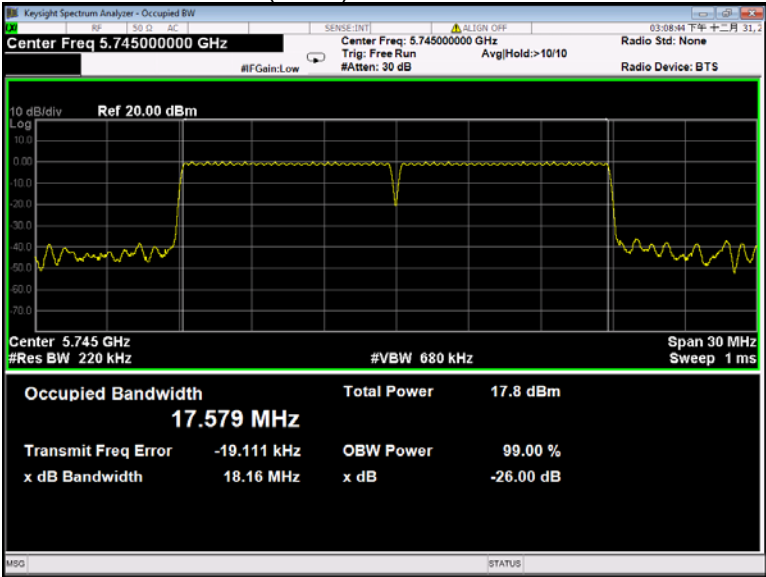
802.11a U-NII-3 Middle channel



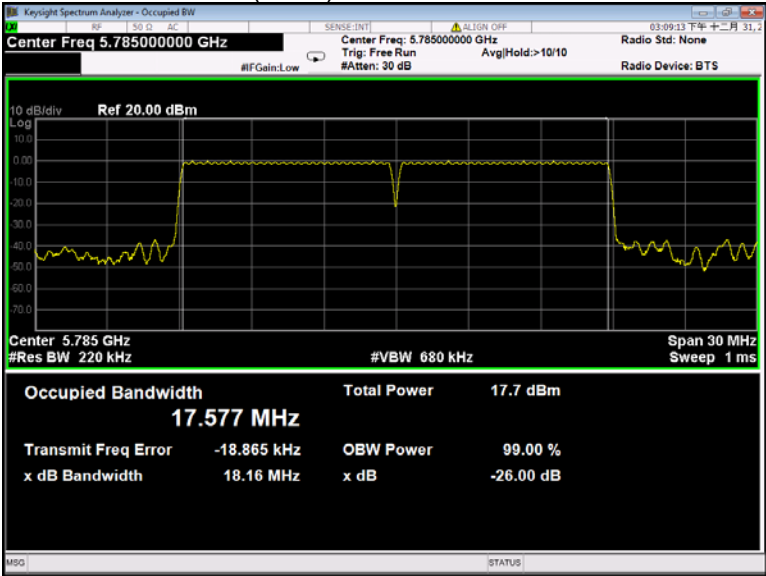
802.11a U-NII-3 High channel



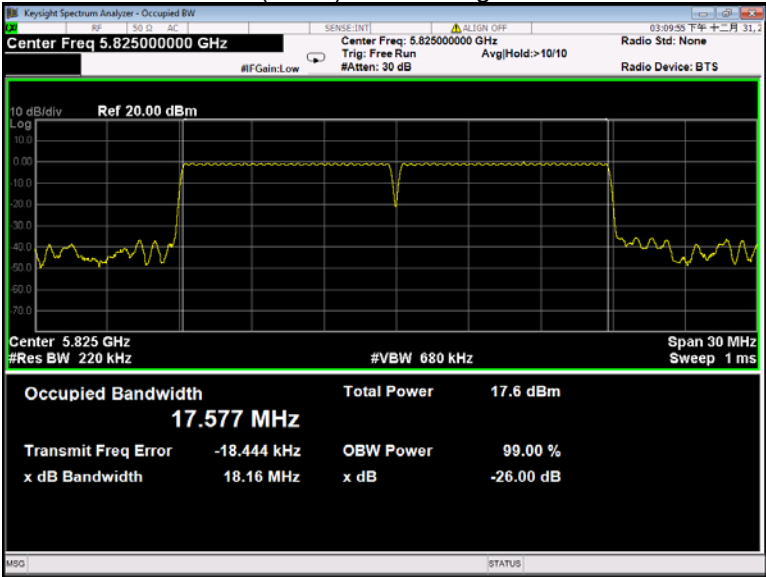
802.11n(HT20) U-NII-3 Low channel



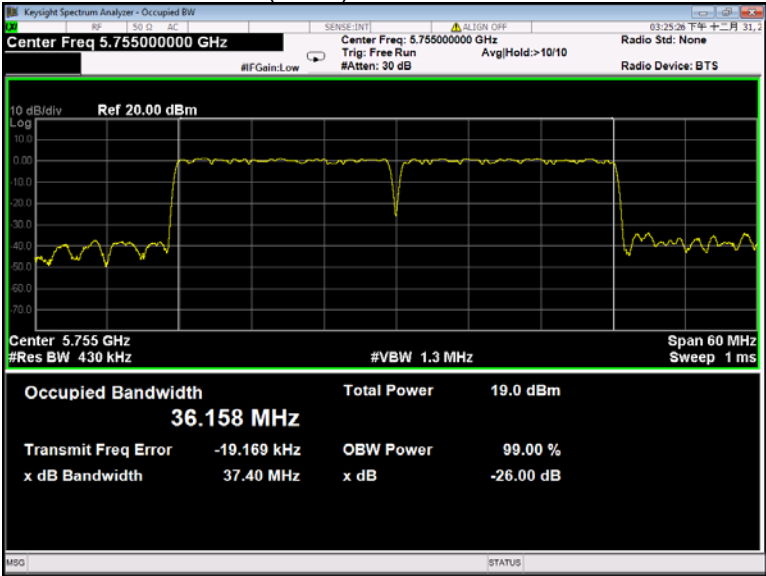
802.11n(HT20) U-NII-3 Middle channel



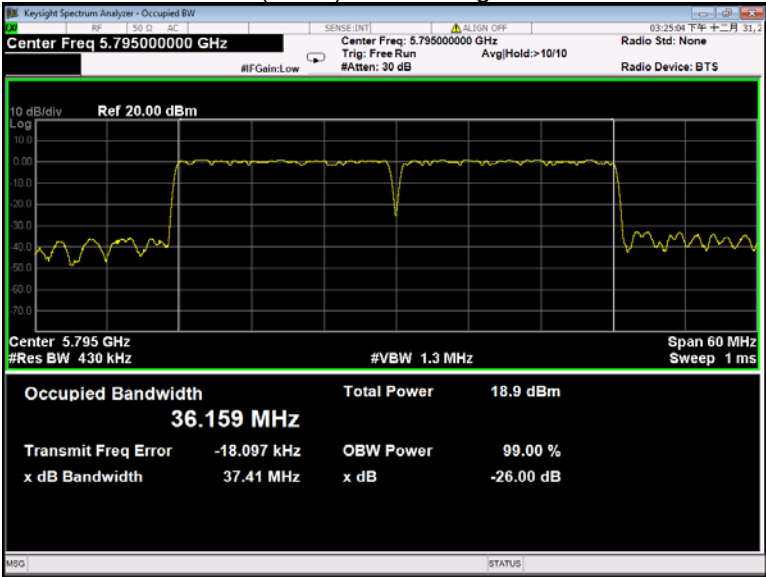
802.11n(HT20) U-NII-3 High channel



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



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



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

