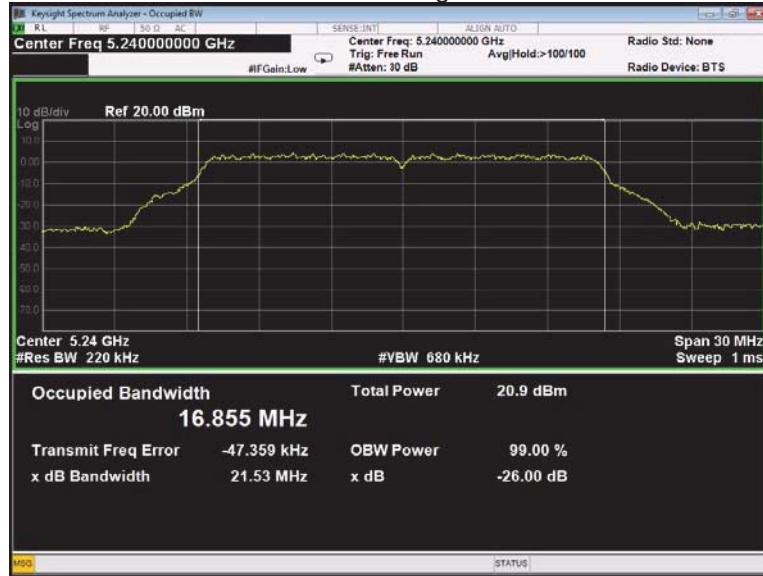
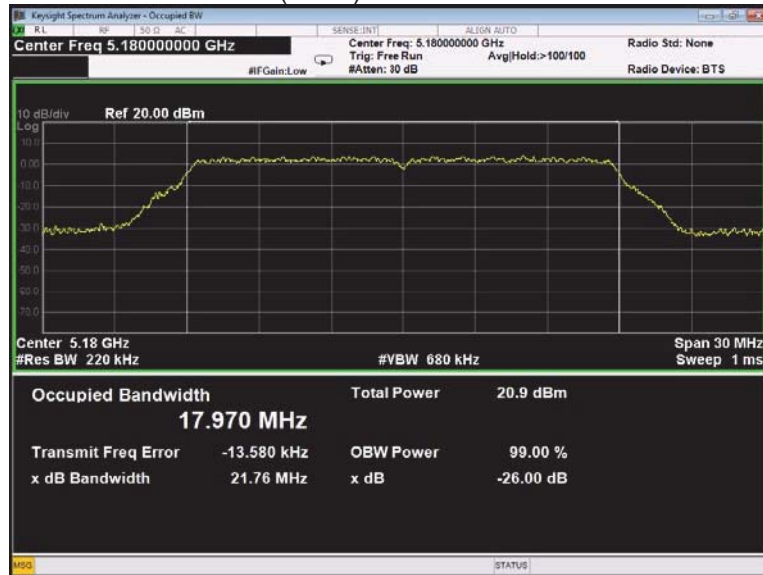




802.11a band I High channel

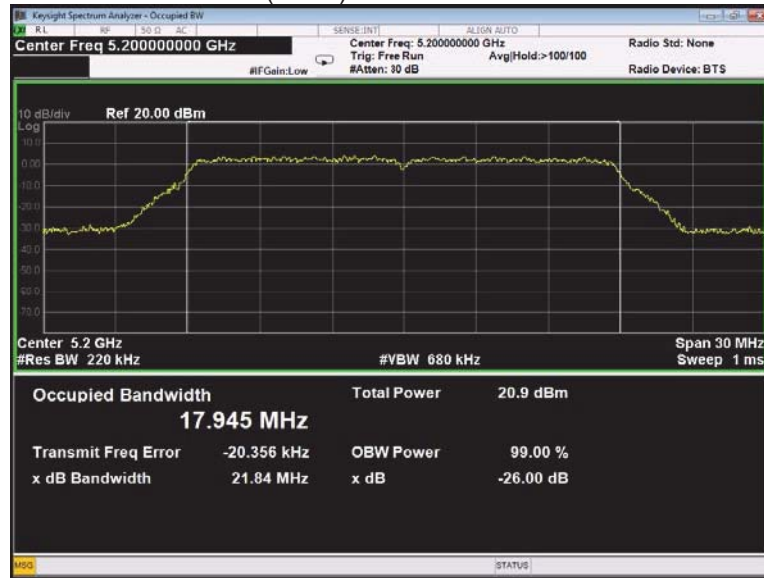


802.11n(HT20) band I Low channel

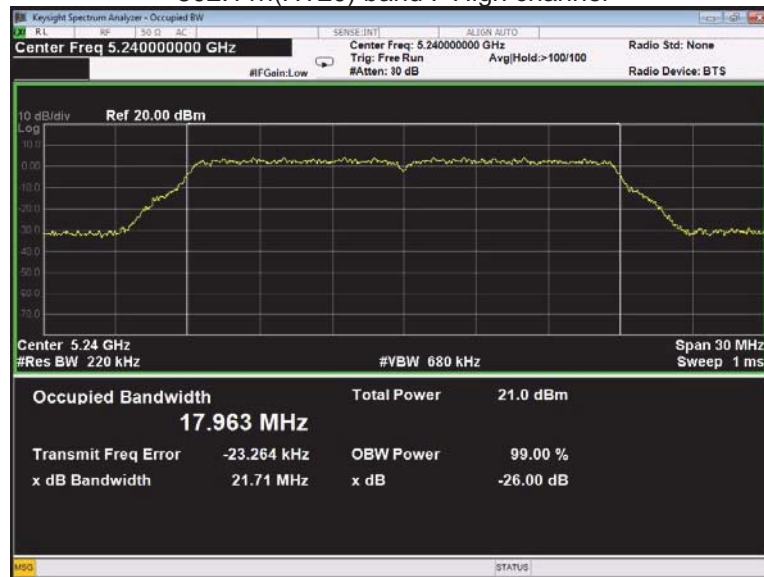




802.11n(HT20) band I Middle channel

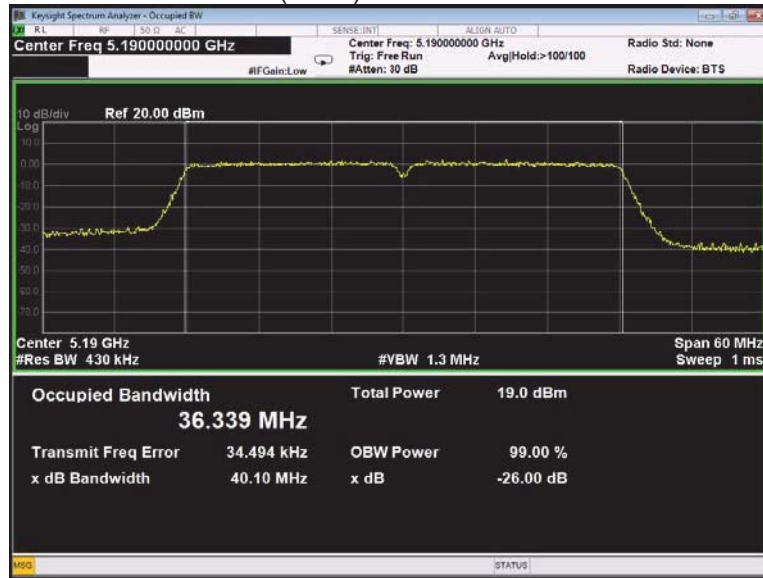


802.11n(HT20) band I High channel

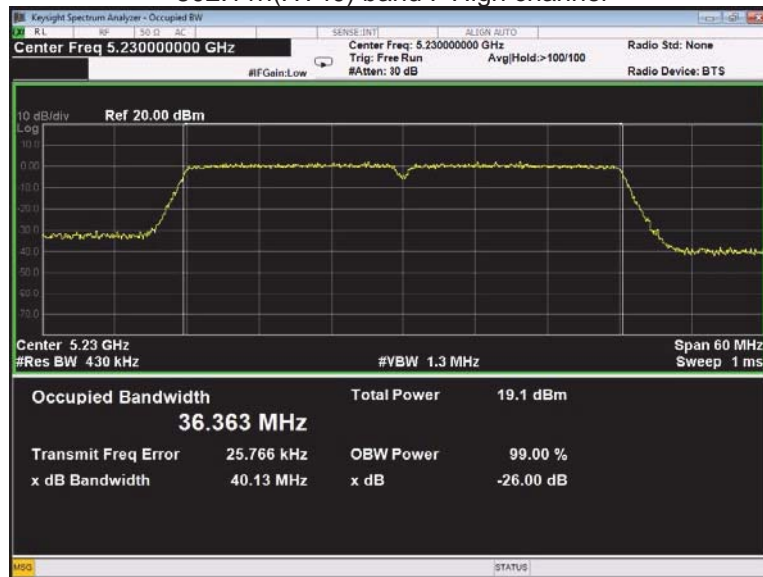




802.11n(HT40) band I Low channel

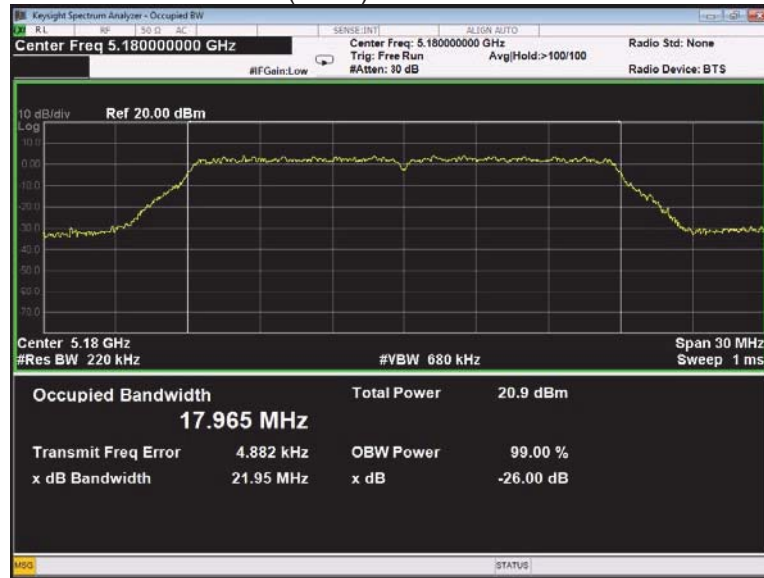


802.11n(HT40) band I High channel

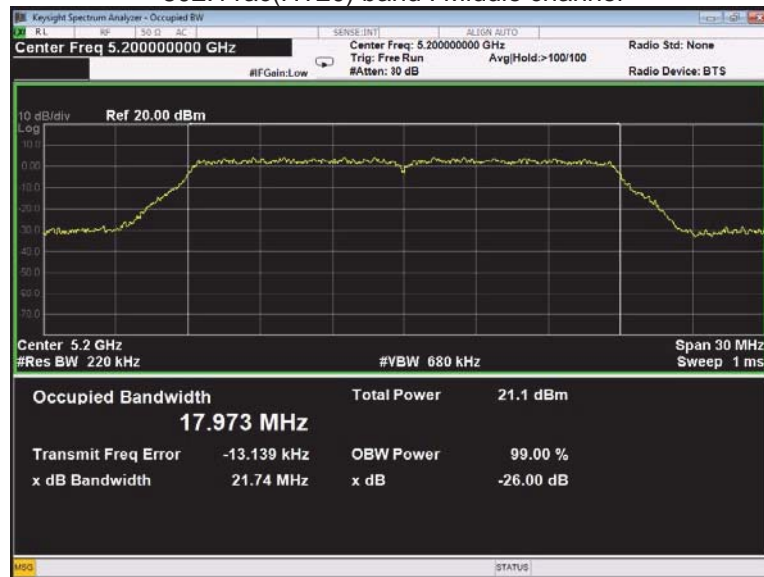




802.11ac(HT20) band I Low channel

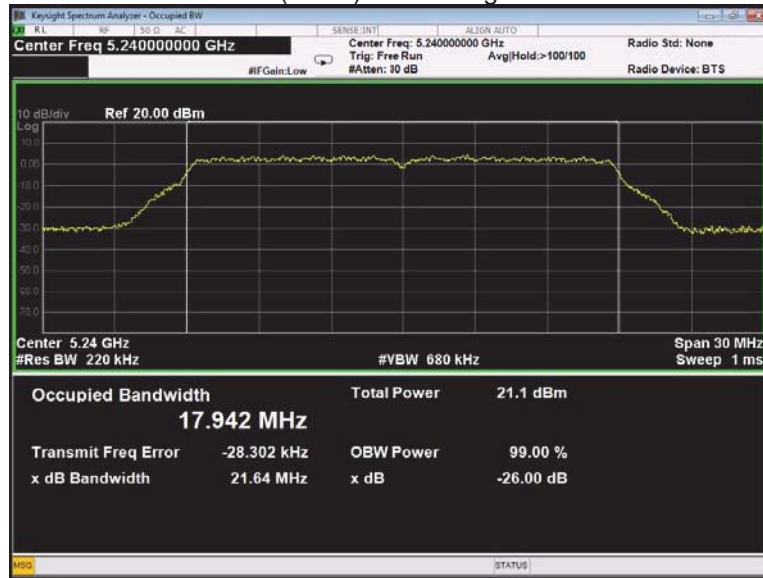


802.11ac(HT20) band I Middle channel

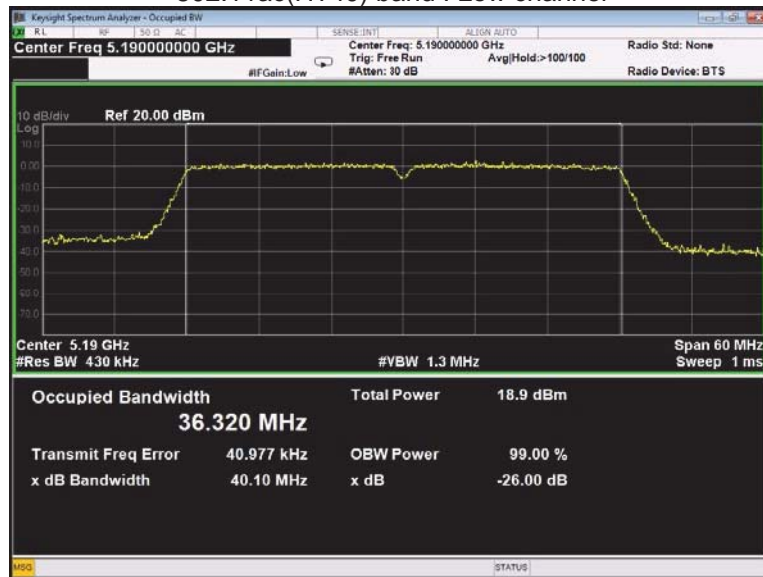




802.11ac(HT20) band I High channel

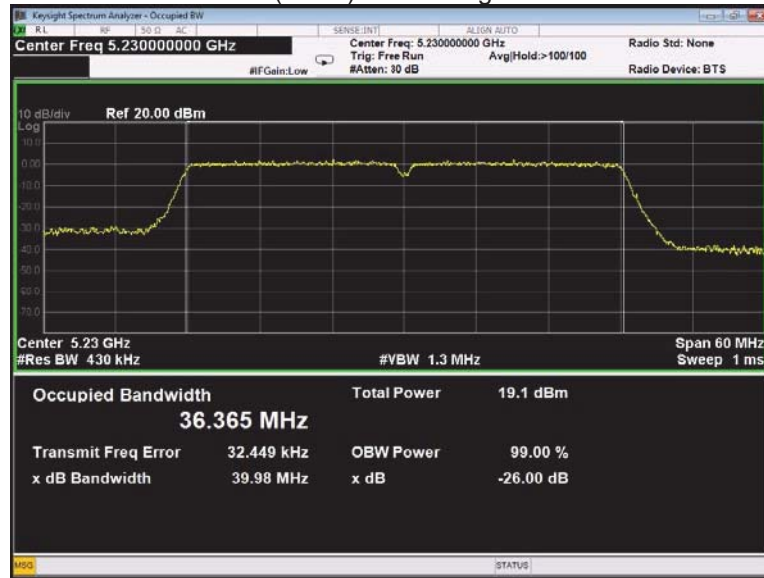


802.11ac(HT40) band I Low channel

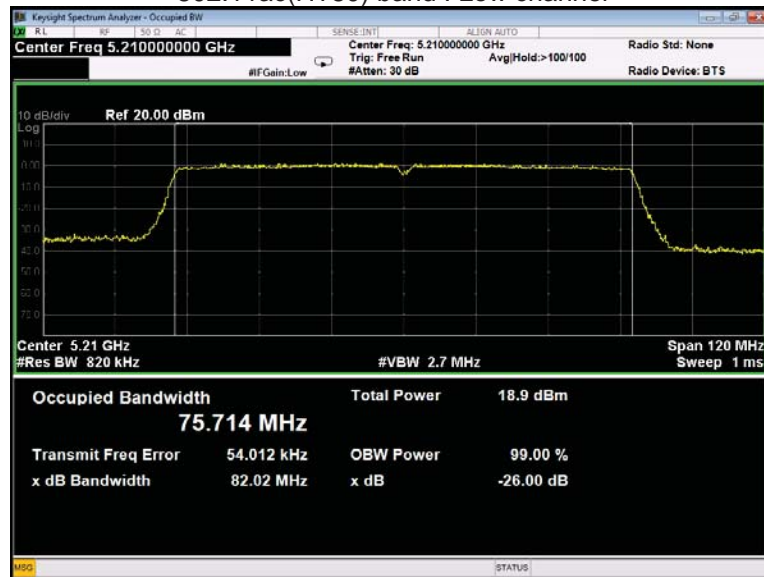




802.11n(HT40) band I High channel

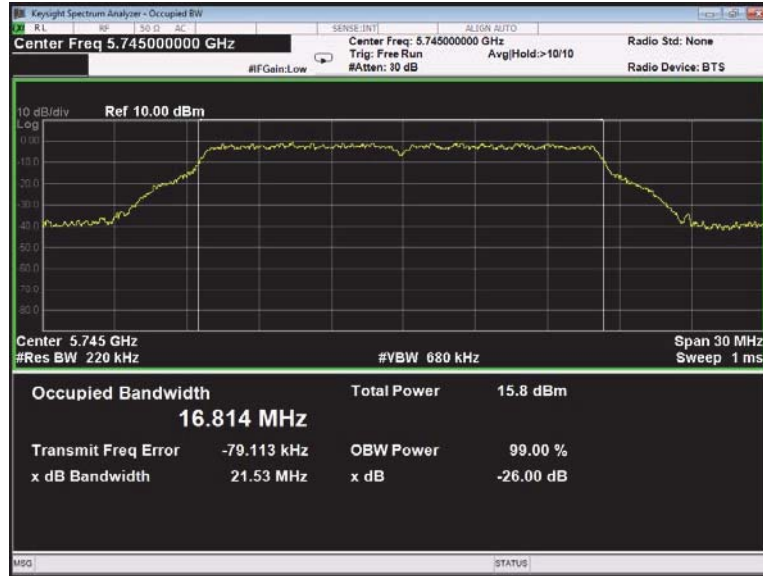


802.11ac(HT80) band I Low channel

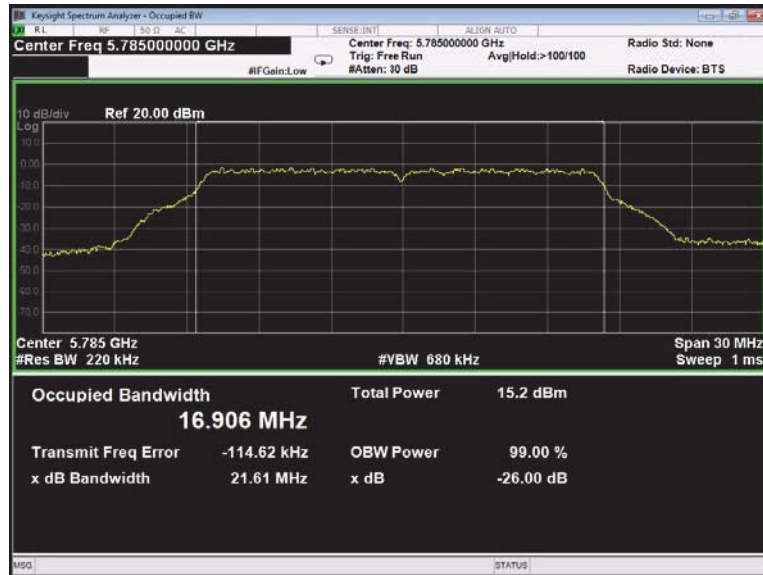




802.11a band IV Low channel

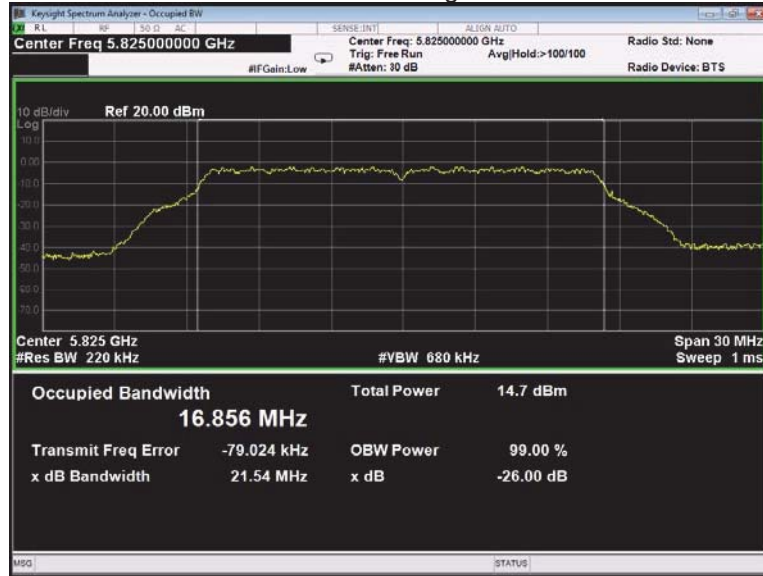


802.11a band IV Middle channel

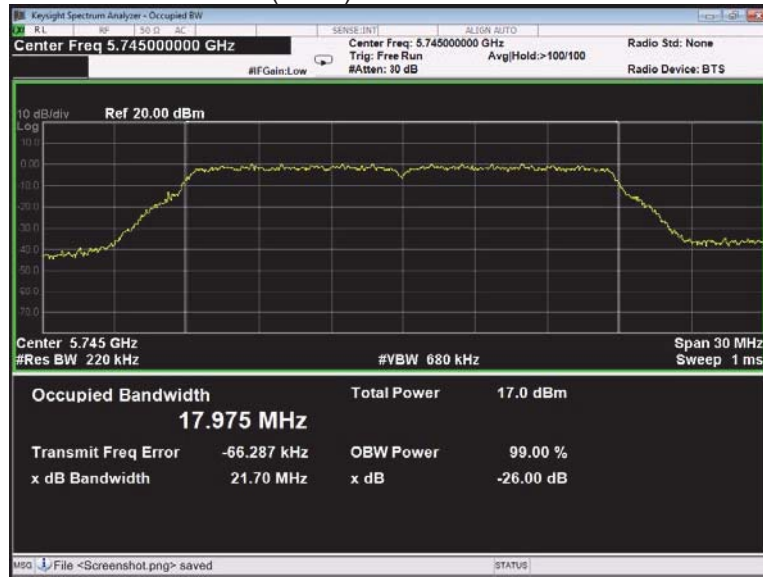




802.11a band IV High channel

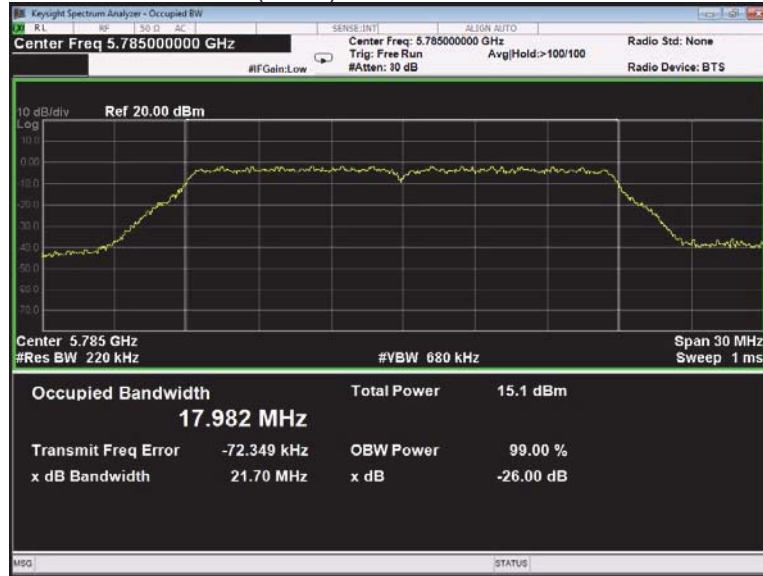


802.11n(HT20) band IV Low channel

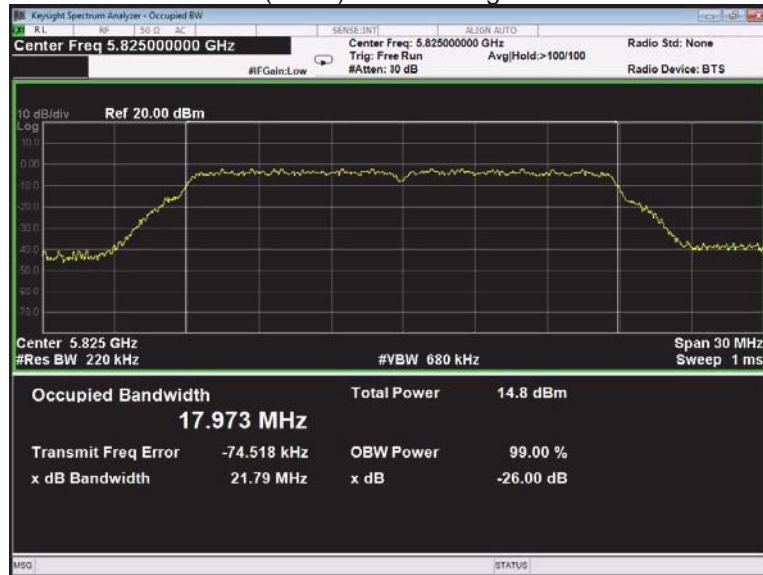




802.11n(HT20) band IV Middle channel

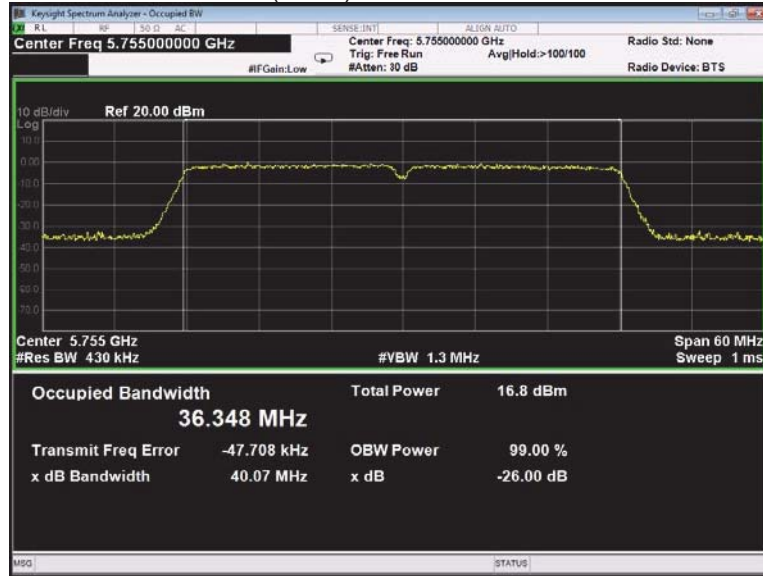


802.11n(HT20) band IV High channel

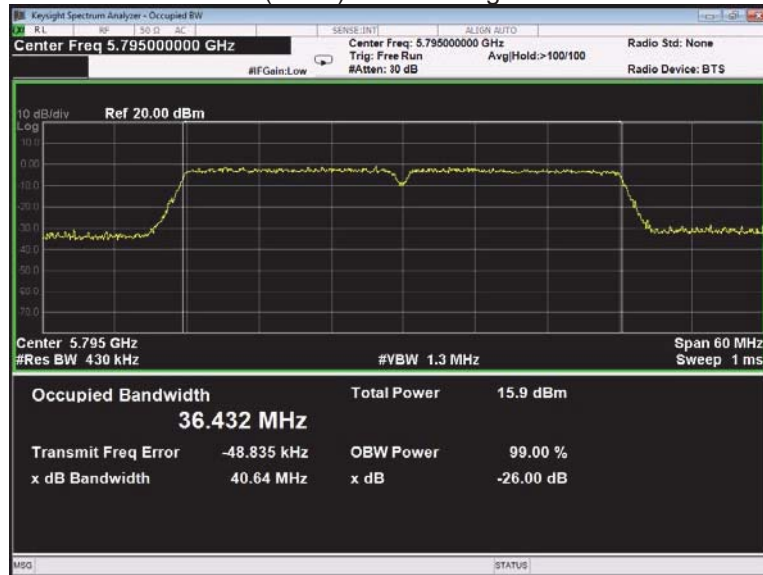




802.11n(HT40) band IV Low channel

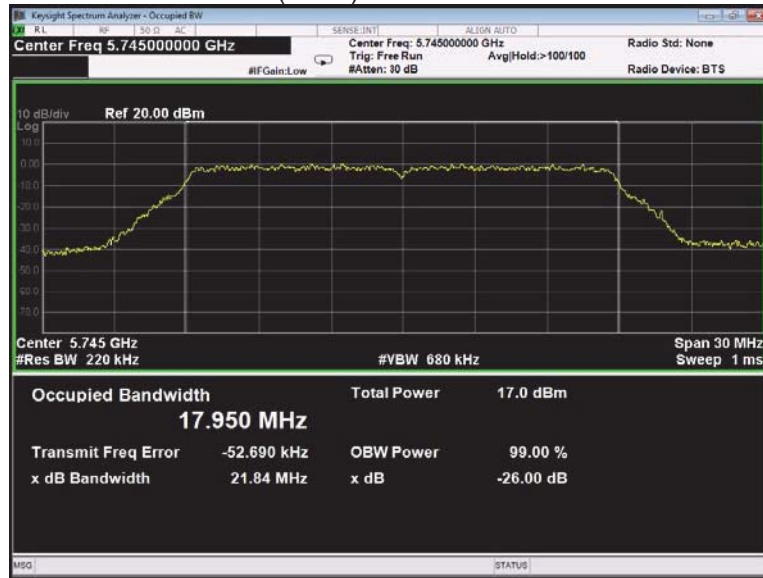


802.11n(HT40) band IV High channel

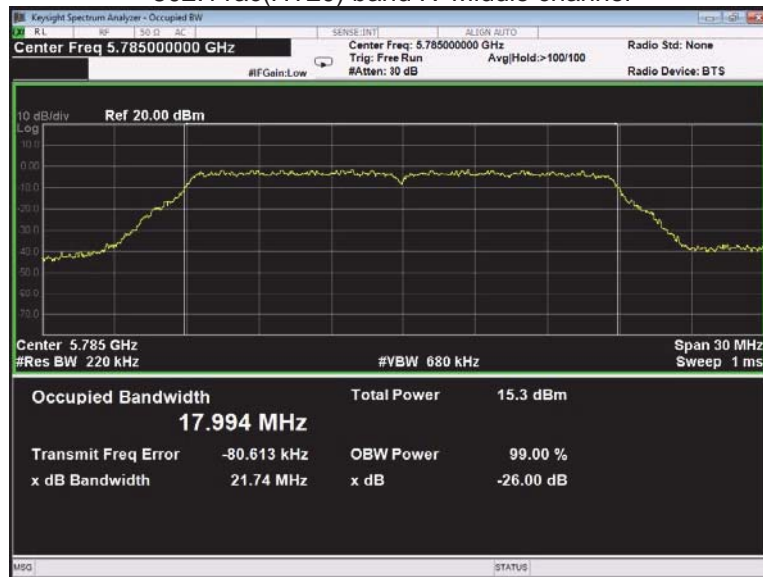




802.11ac(HT20) band IV Low channel

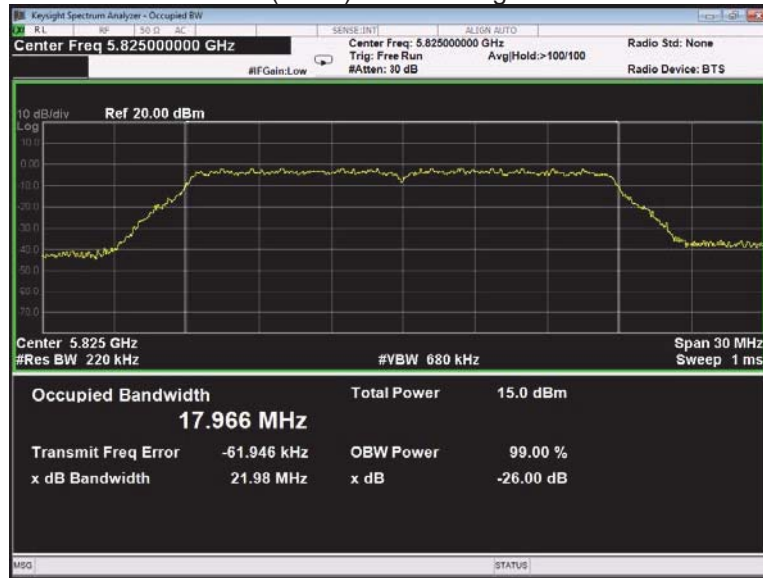


802.11ac(HT20) band IV Middle channel

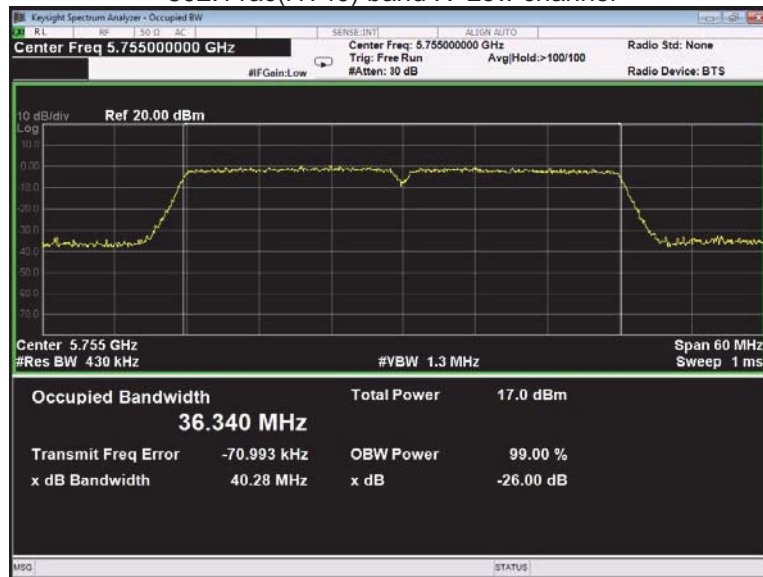




802.11ac(HT20) band IV High channel

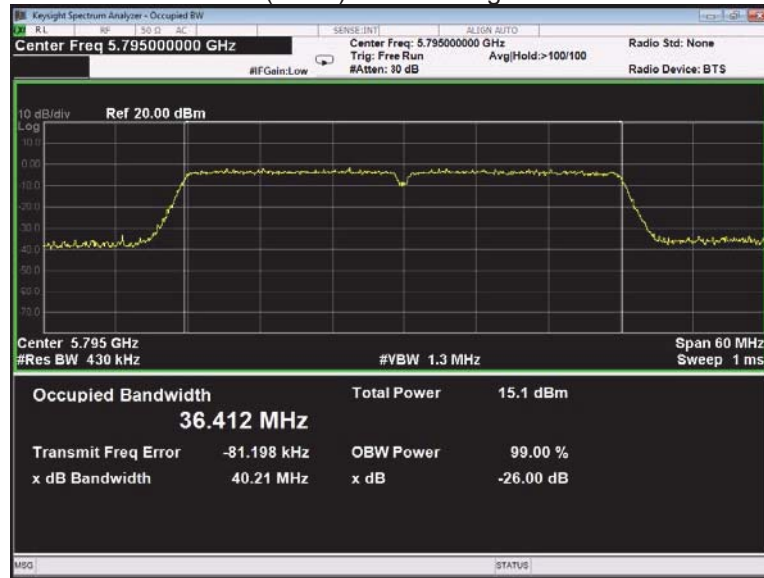


802.11ac(HT40) band IV Low channel

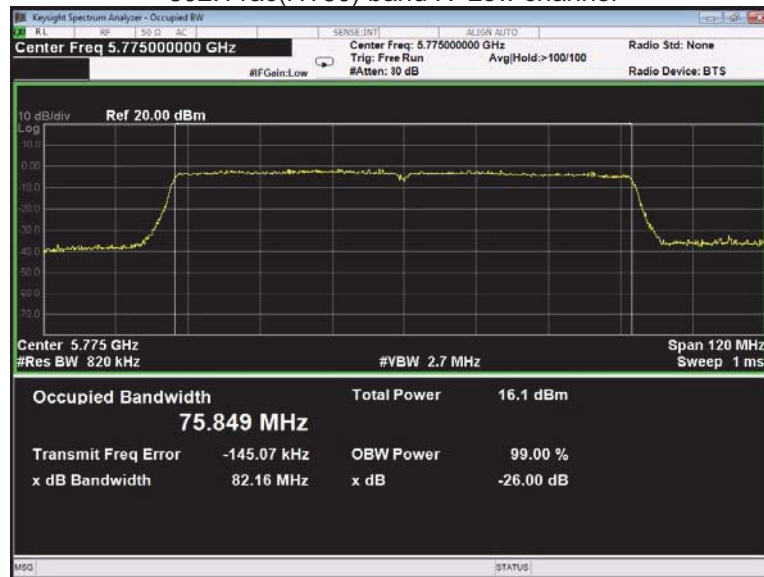




802.11n(HT40) band IV High channel



802.11ac(HT80) band IV Low channel





12 Conducted Output Power

Test Requirement:	FCC CFR47 Part 15 Section 15.407(a) and Part 2.1046 KDB662911 D01 Multiple Transmitter Output v02r01
Test Method:	KDB789033 D02 General UNII Test Procedures New Rules v01 Section E
Test Limit:	30dBm
Test Result:	PASS Conducted output power= measurement power+10log(1/x)
Remark:	X is duty cycle=1, so 10log(1/1)=0 Conducted output power= measurement power

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 MHz. VBW = 3 MHz. Sweep = auto; Detector Function = Peak, Set the span to fully encompass the DTS bandwidth.
3. Keep the EUT in transmitting at lowest, medium and highest channel individually. Record the max value.



12.2 Test Result :

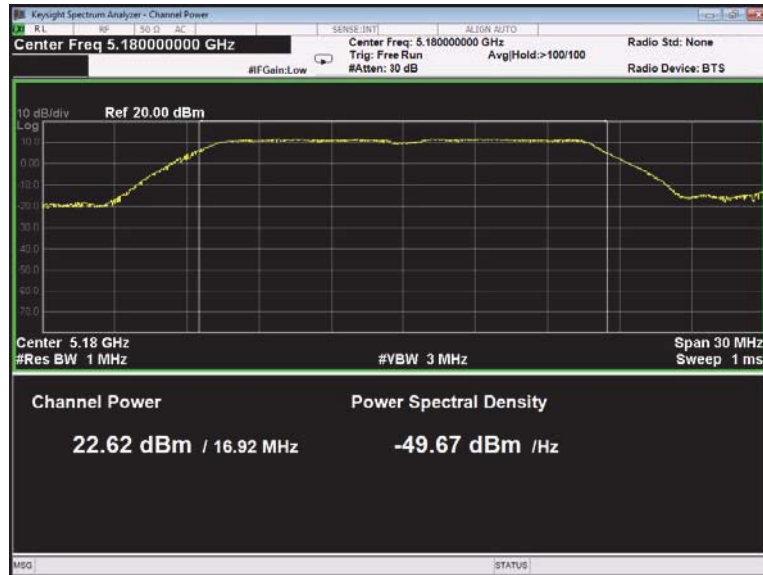
Band	Operation mode	CH	Conducted Output Power (dBm)		
			ANT0	ANT1	Total
Band I	802.11a	Low	22.62	22.09	/
		Middle	22.77	22.13	/
		High	23.57	22.19	/
	802.11n(HT20)	Low	22.49	22.01	25.27
		Middle	22.77	22.12	25.47
		High	22.57	22.29	25.44
	802.11n(HT40)	Low	19.76	21.12	23.50
		Middle	/	/	/
		High	20.67	21.32	24.02
	802.11ac(HT20)	Low	22.11	21.72	24.93
		Middle	22.31	21.84	25.09
		High	22.68	21.63	25.20
	802.11ac(HT40)	Low	19.80	19.90	22.86
		Middle	/	/	/
		High	20.19	20.21	23.21
	802.11ac(HT80)	Low	19.38	19.00	22.20
		Middle	/	/	/
		High	/	/	/
Band IV	802.11a	Low	20.54	17.15	22.18
		Middle	20.00	16.30	21.54
		High	20.11	16.00	21.53
	802.11n(HT20)	Low	20.78	17.93	22.60
		Middle	20.03	16.53	21.63
		High	20.20	16.22	21.66
	802.11n(HT40)	Low	19.46	17.85	20.30
		Middle	/	/	/
		High	18.68	17.03	21.74
	802.11ac(HT20)	Low	20.95	18.05	20.94
		Middle	20.03	16.40	21.59
		High	20.15	16.22	21.63
	802.11ac(HT40)	Low	19.39	17.65	21.62
		Middle	/	/	/
		High	18.54	16.19	20.53
802.11ac(HT80)	Low	16.80	16.41	19.62	
	Middle	/	/	/	
	High	/	/	/	



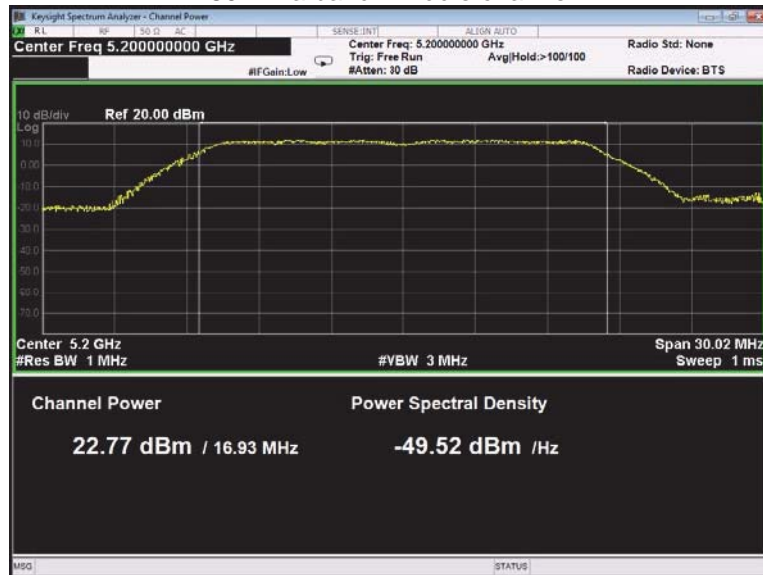
Test result plots shown as follows:

ANT0

802.11a band I Low channel

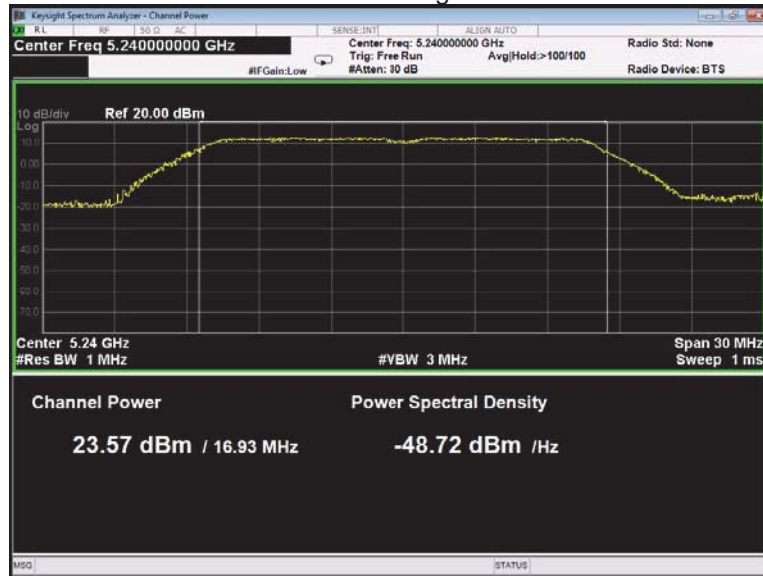


802.11a band I Middle channel

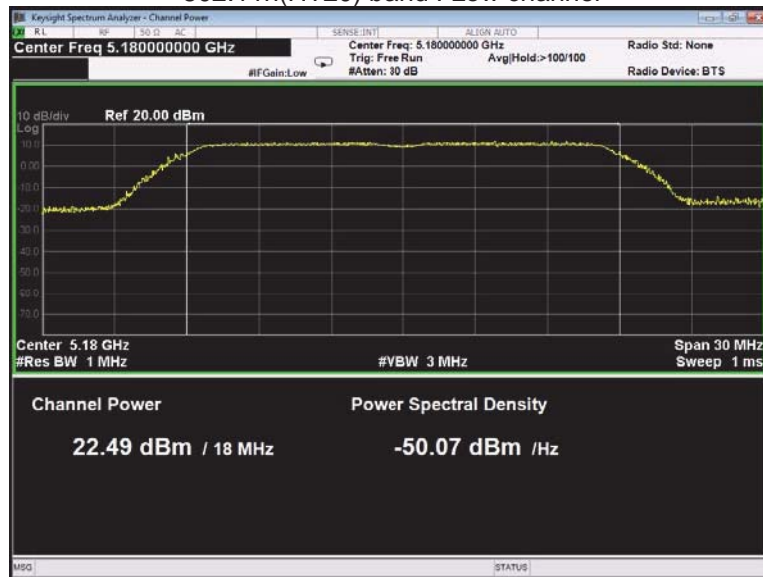




802.11a band I High channel

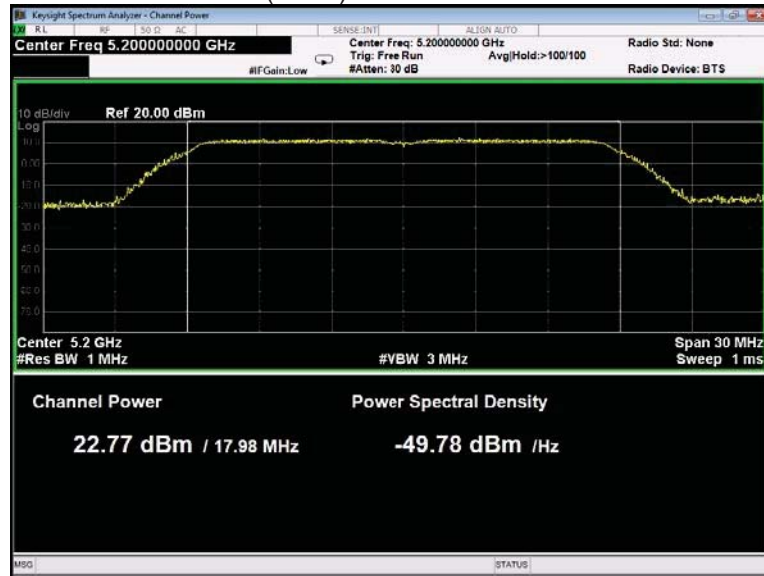


802.11n(HT20) band I Low channel

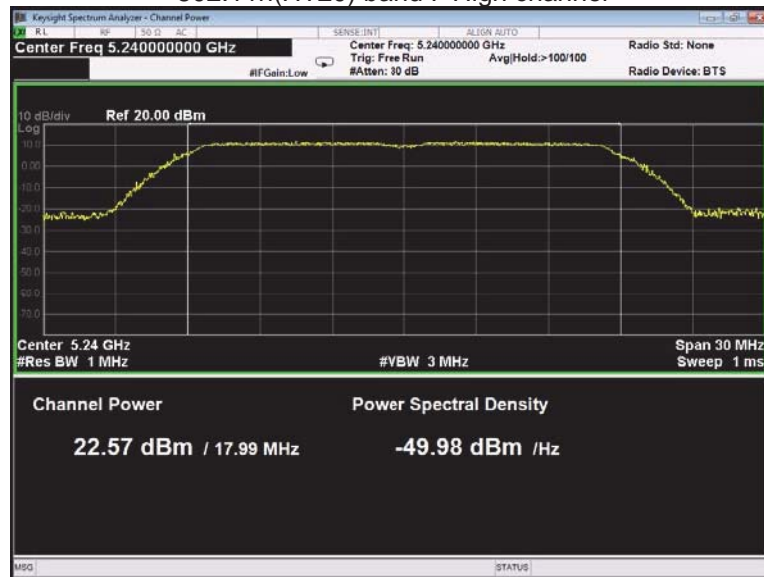




802.11n(HT20) band I Middle channel

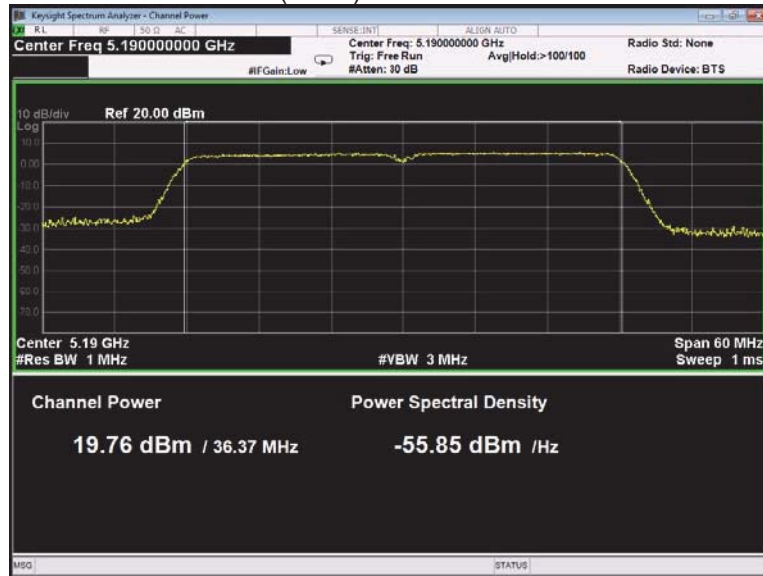


802.11n(HT20) band I High channel

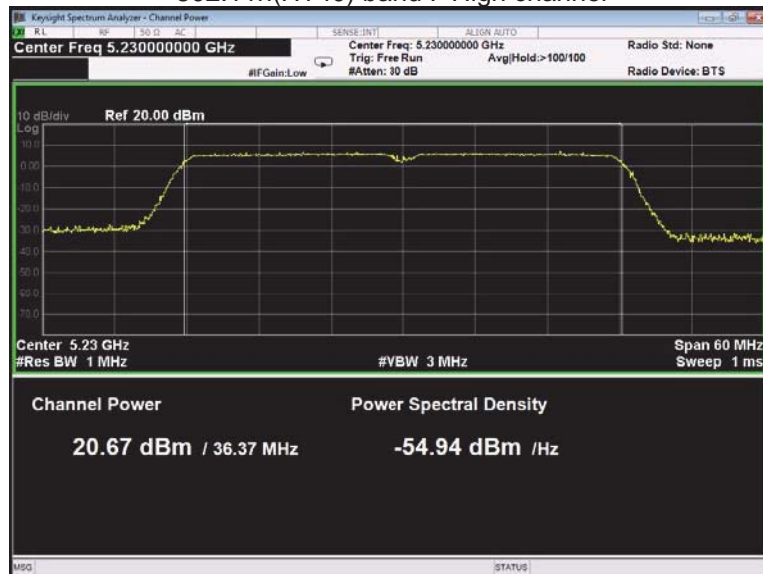




802.11n(HT40) band I Low channel

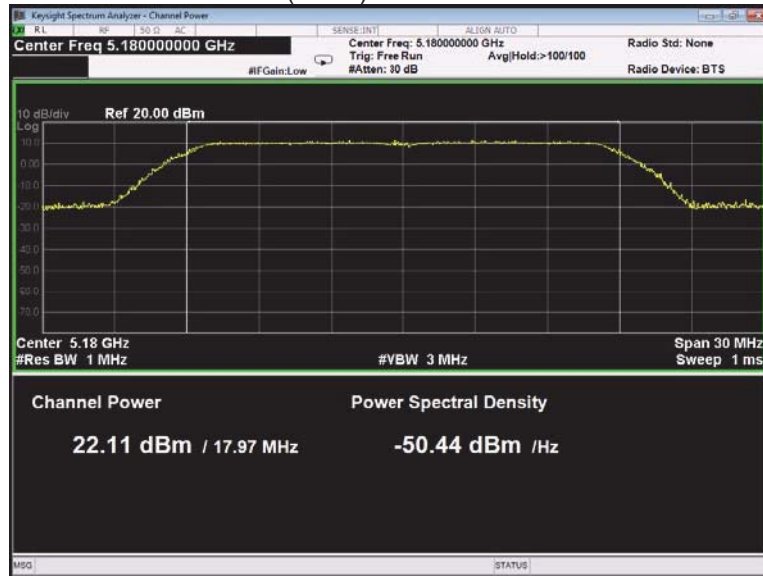


802.11n(HT40) band I High channel

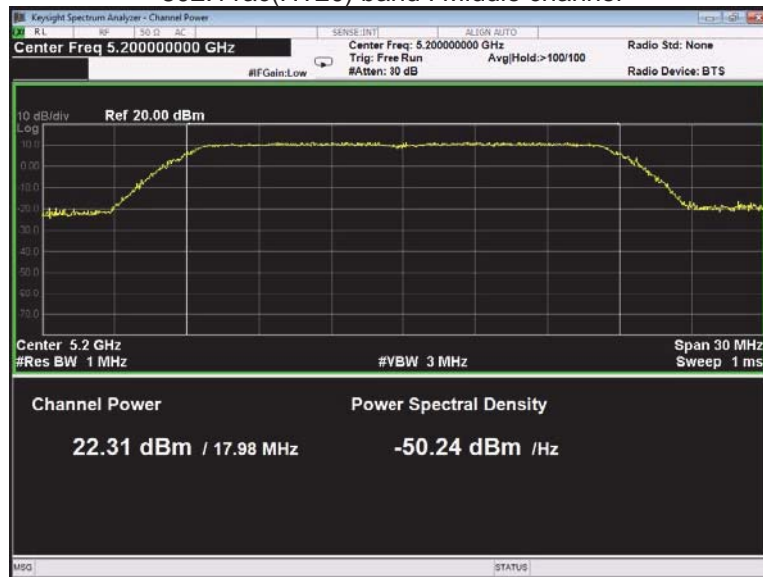




802.11ac(HT20) band I Low channel

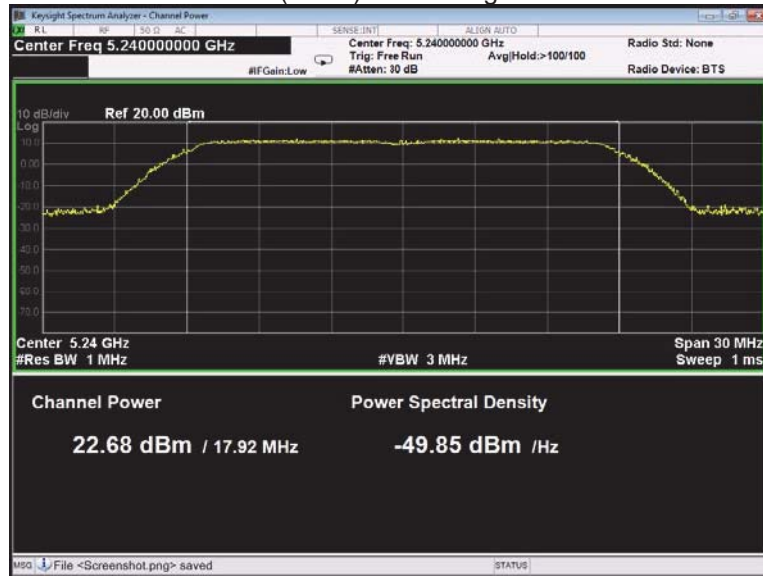


802.11ac(HT20) band I Middle channel

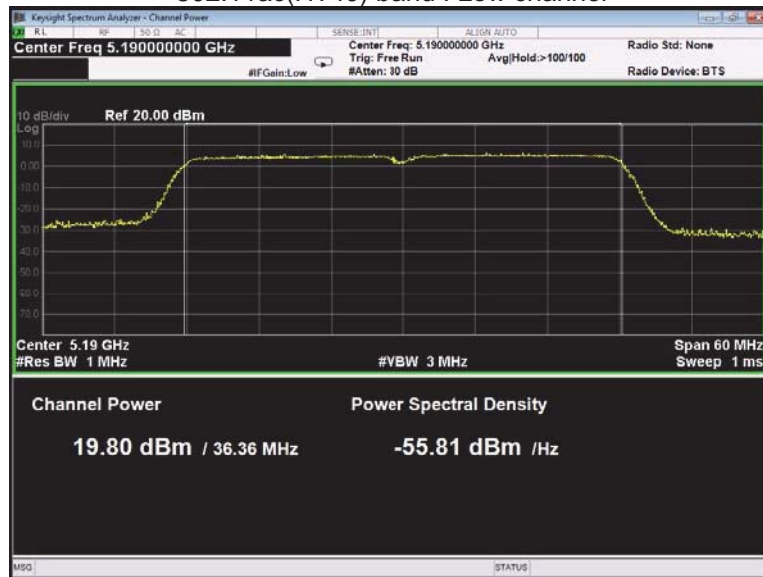




802.11ac(HT20) band I High channel

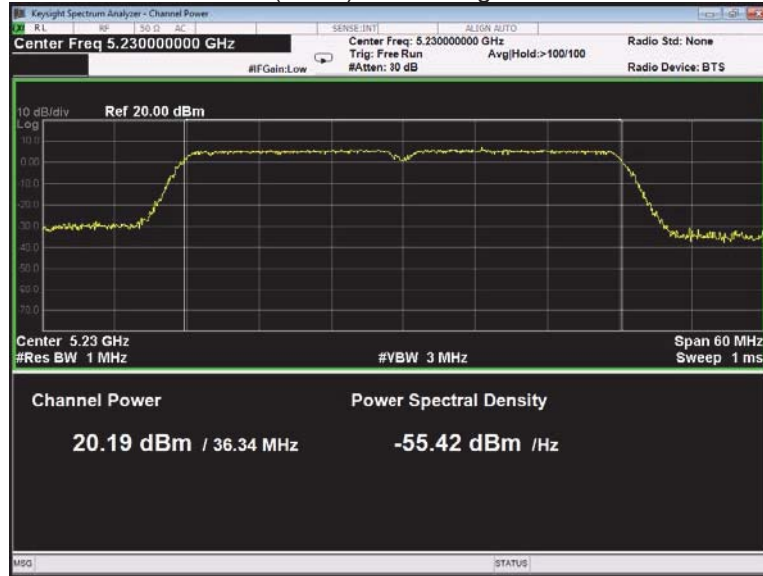


802.11ac(HT40) band I Low channel

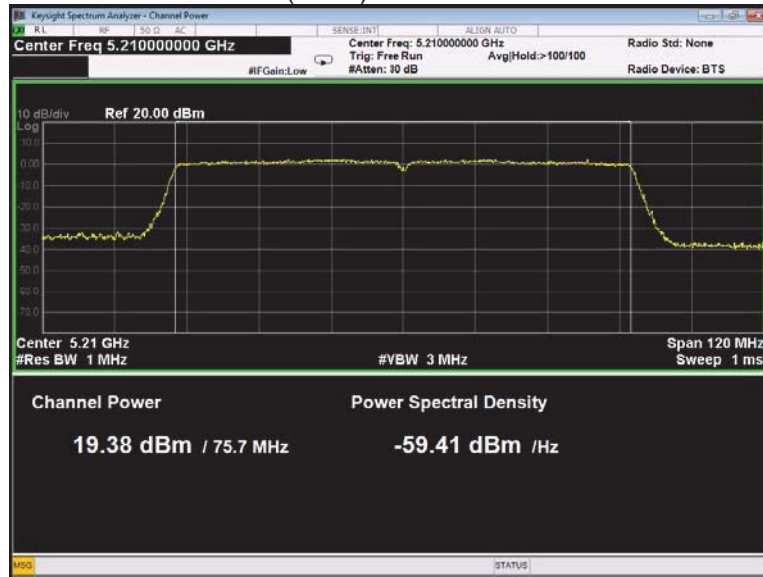




802.11n(HT40) band I High channel

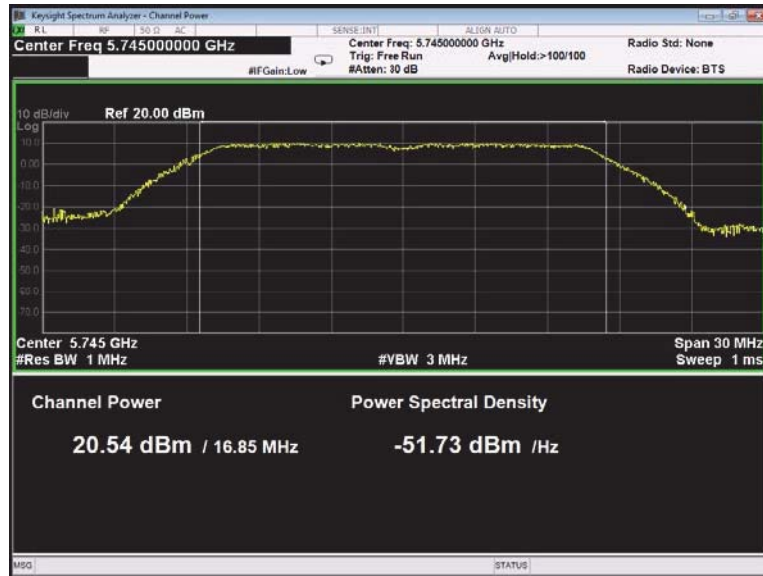


802.11ac(HT80) band I Low channel

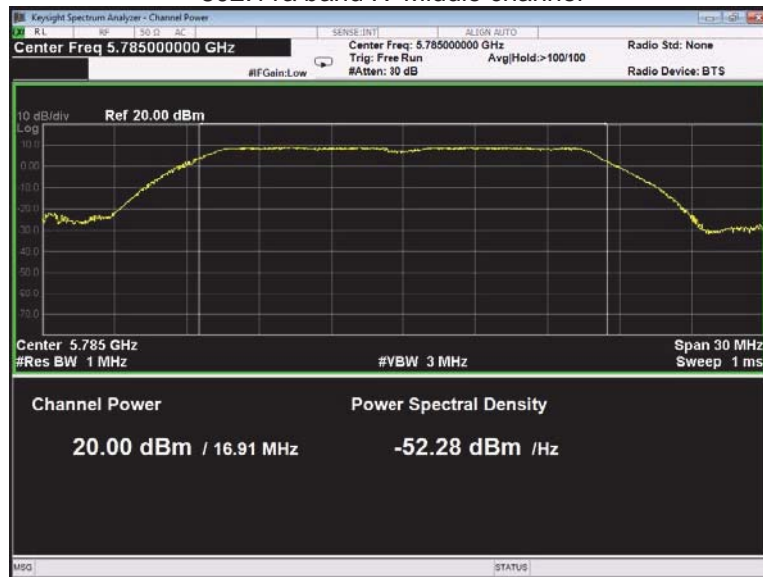




802.11a band IV Low channel



802.11a band IV Middle channel

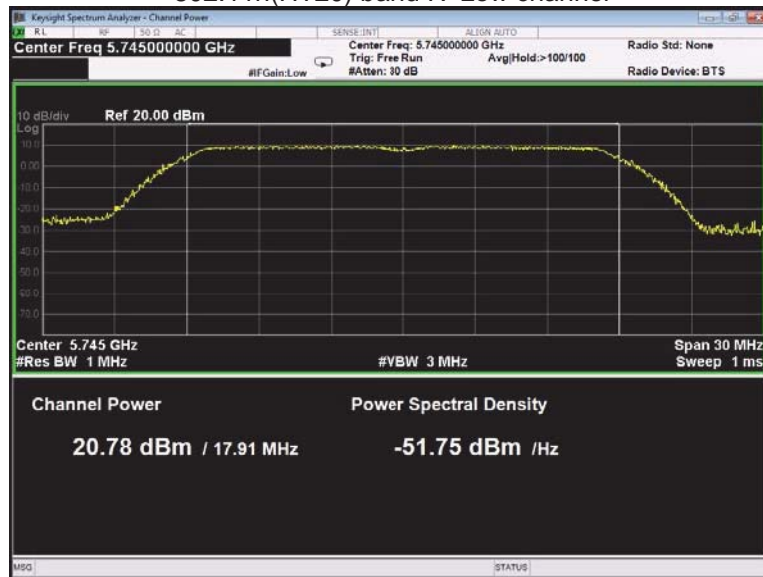




802.11a band IV High channel

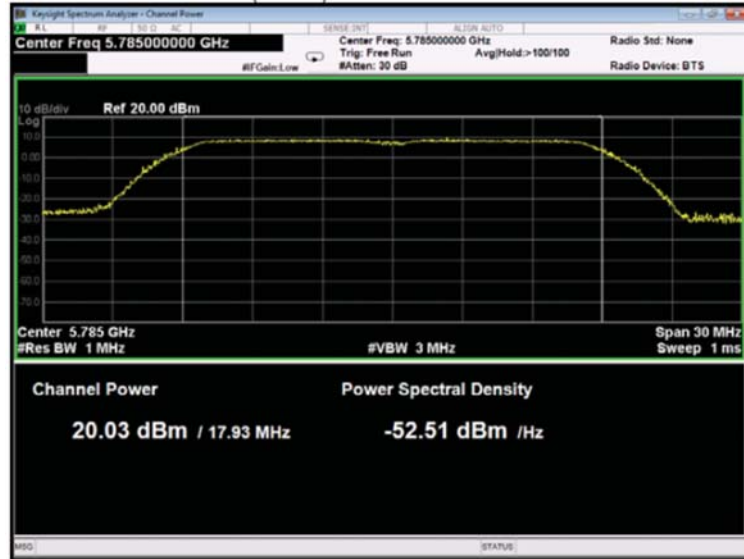


802.11n(HT20) band IV Low channel





802.11n(HT20) band IV Middle channel

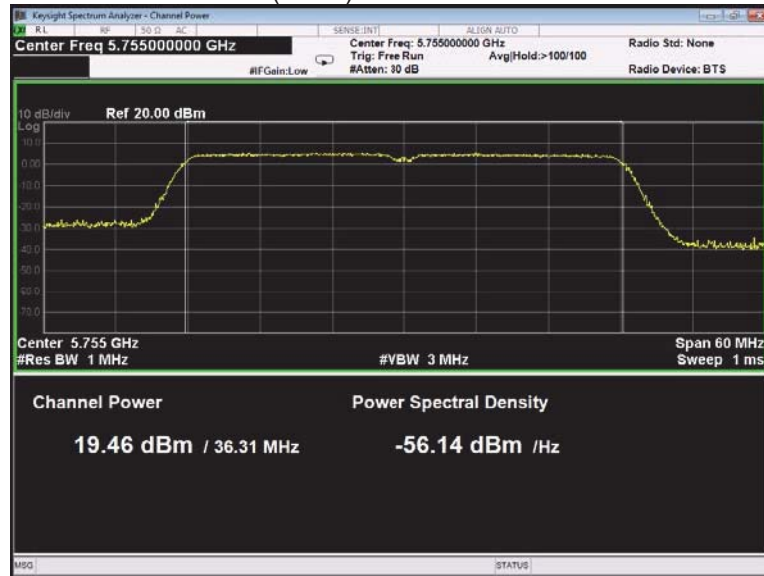


802.11n(HT20) band IV High channel

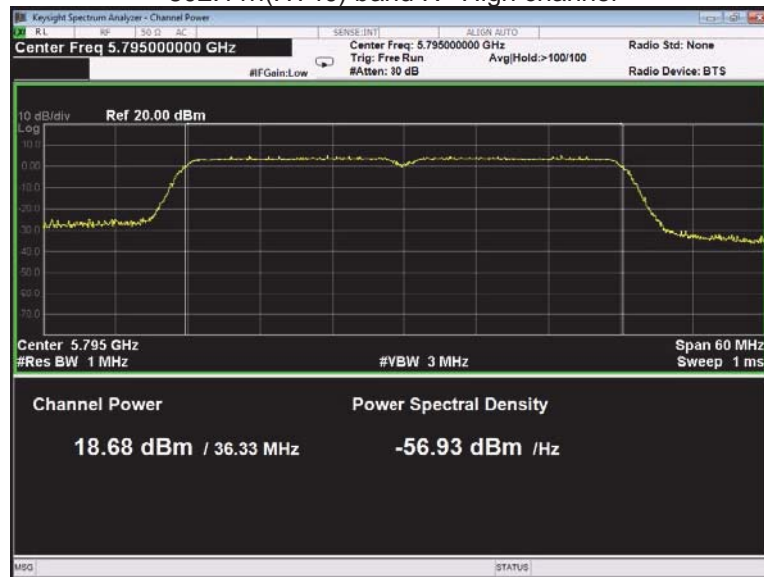




802.11n(HT40) band IV Low channel

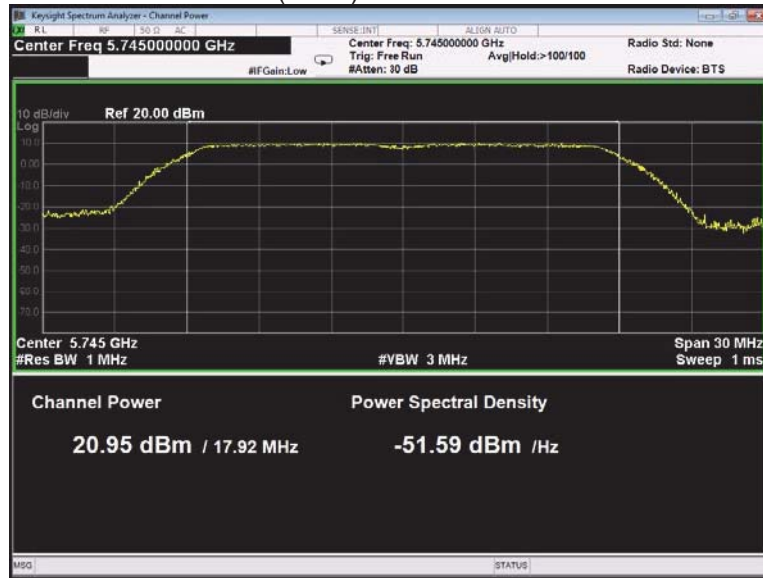


802.11n(HT40) band IV High channel

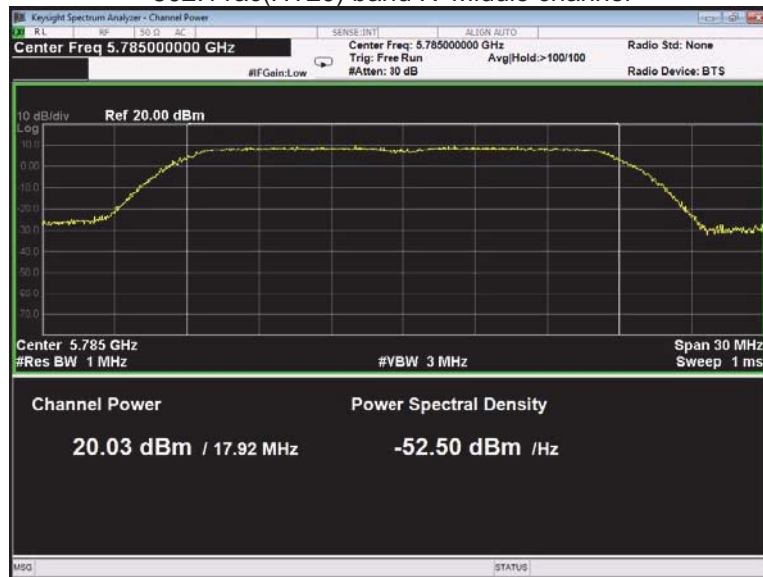




802.11ac(HT20) band IV Low channel

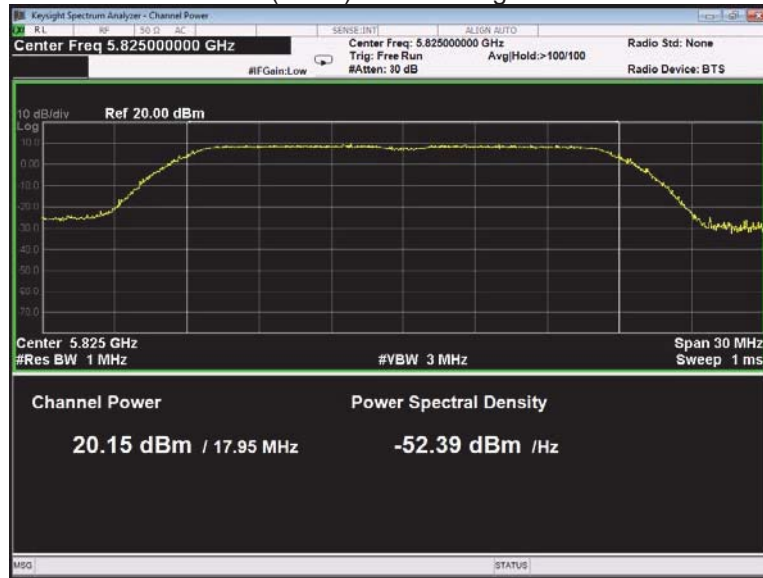


802.11ac(HT20) band IV Middle channel

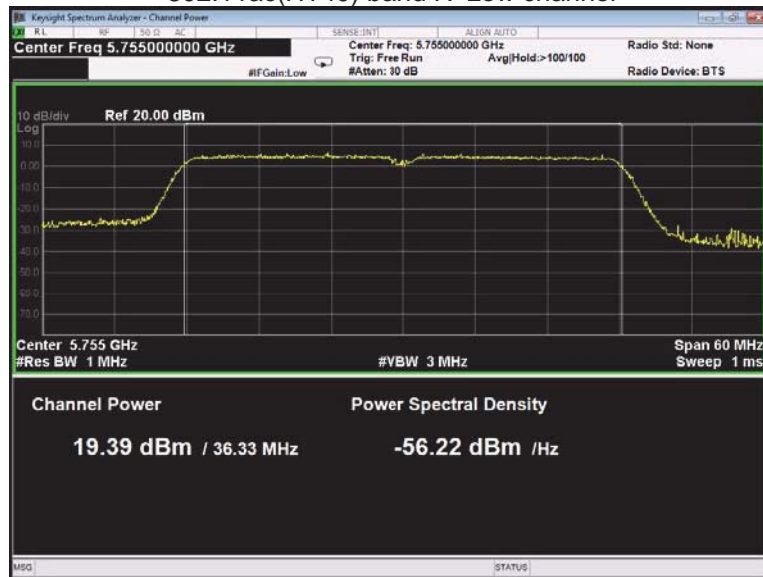




802.11ac(HT20) band IV High channel

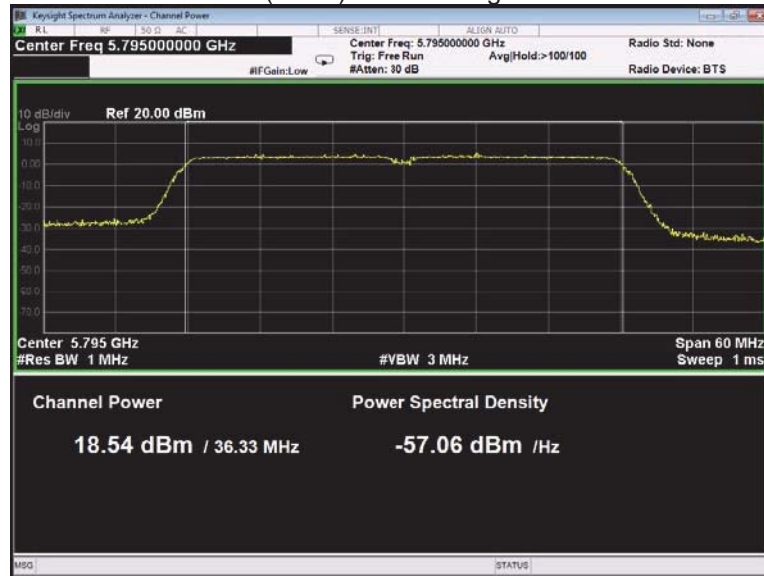


802.11ac(HT40) band IV Low channel

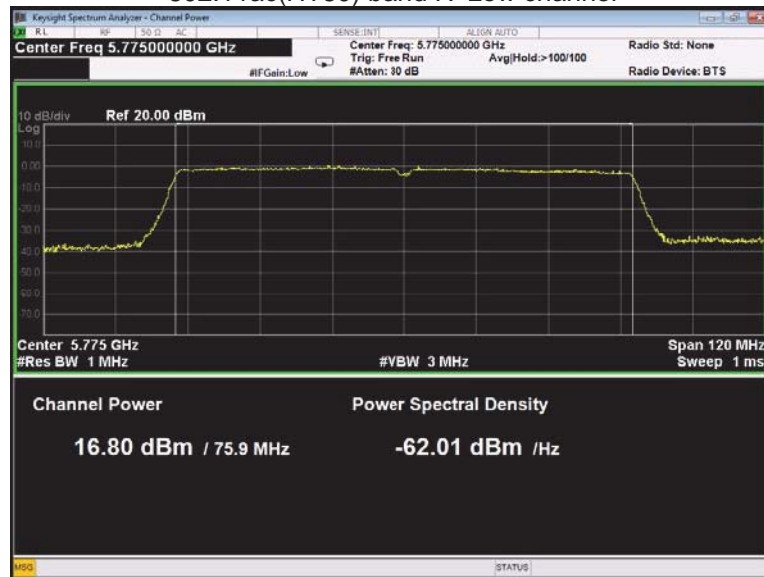




802.11n(HT40) band IV High channel



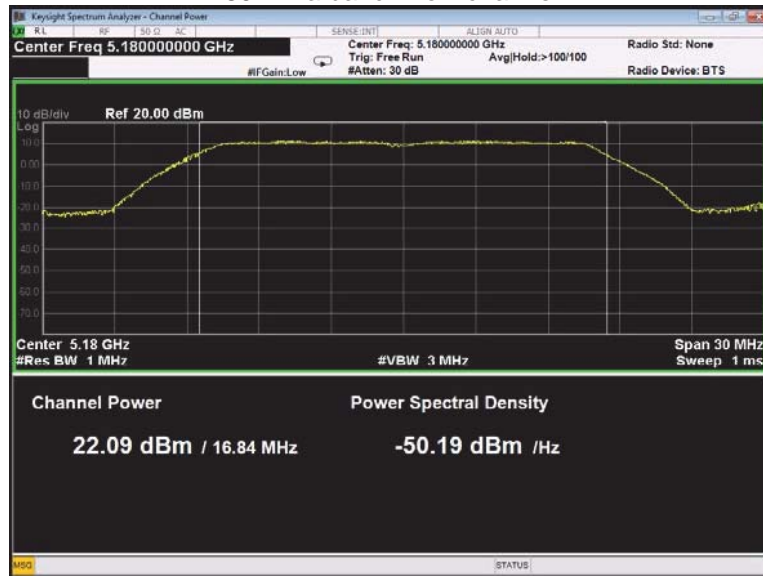
802.11ac(HT80) band IV Low channel



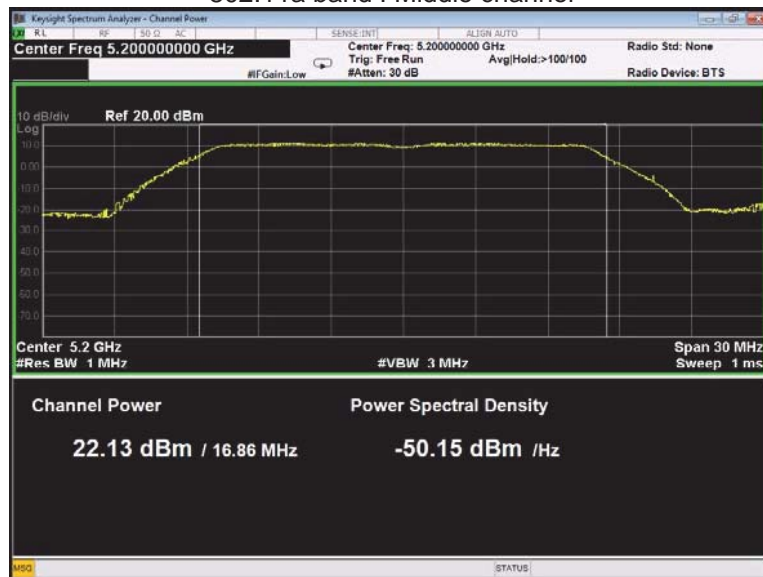


ANT1

802.11a band I Low channel

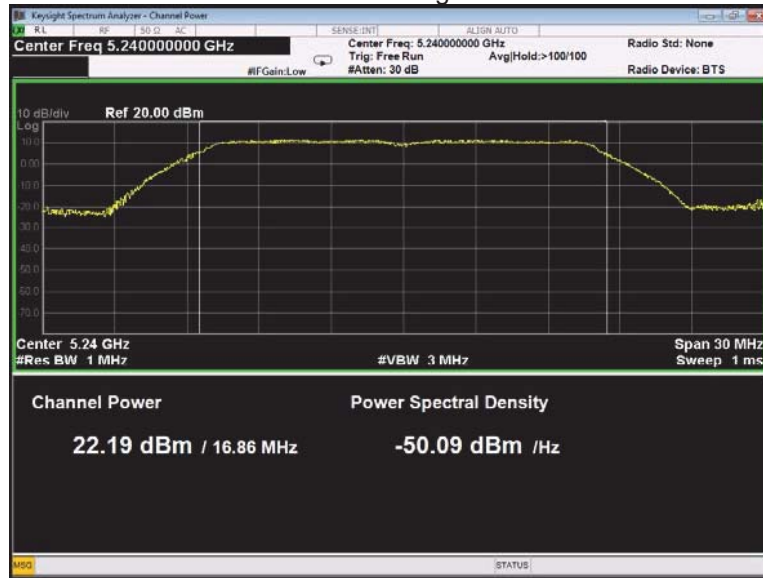


802.11a band I Middle channel

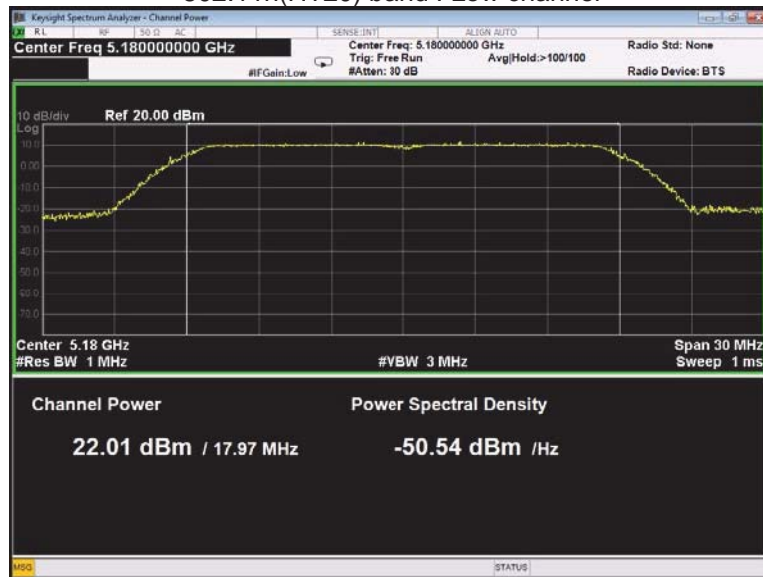




802.11a band I High channel

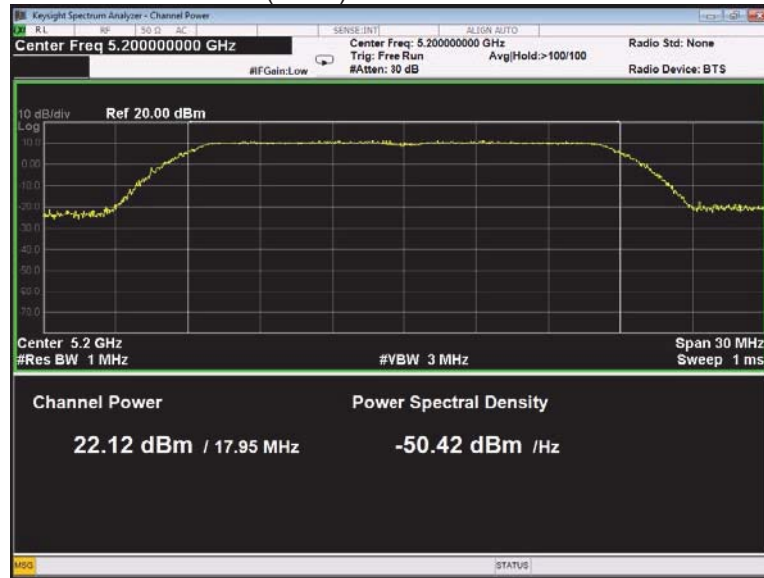


802.11n(HT20) band I Low channel

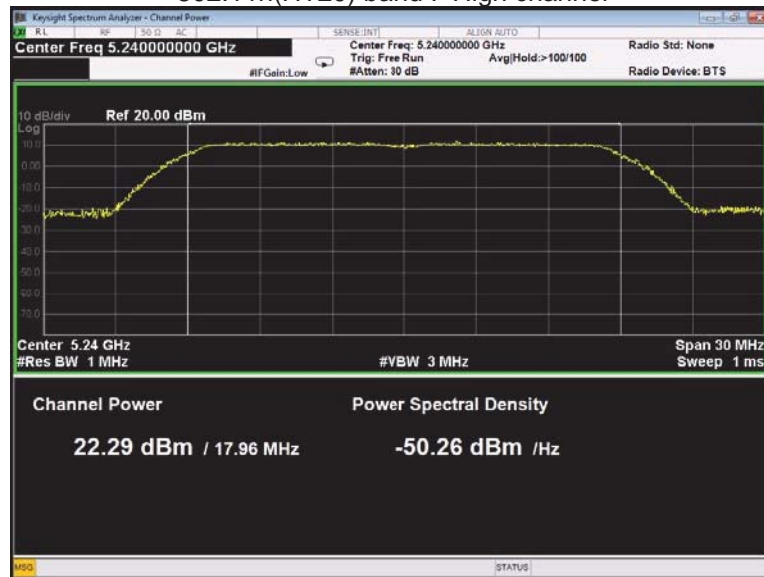




802.11n(HT20) band I Middle channel

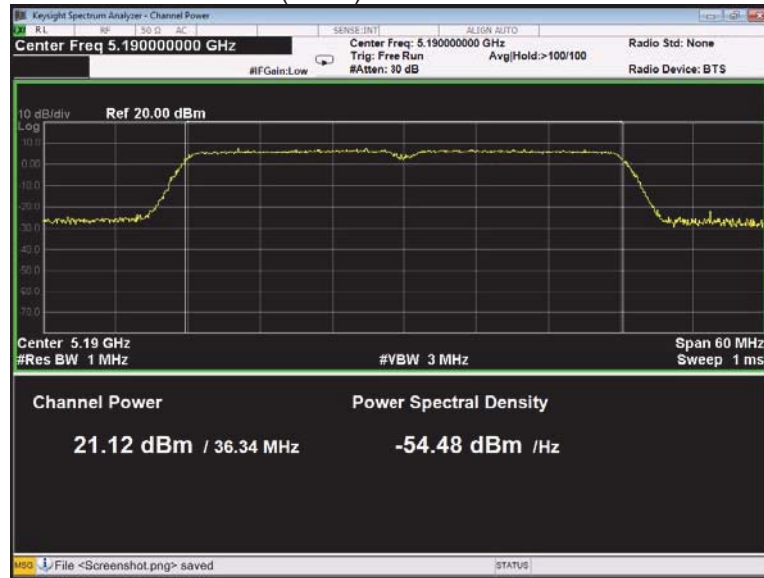


802.11n(HT20) band I High channel

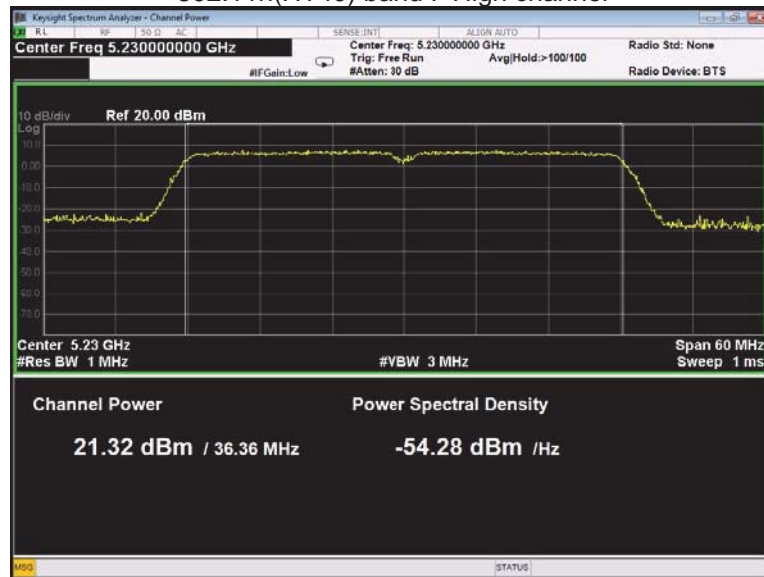




802.11n(HT40) band I Low channel

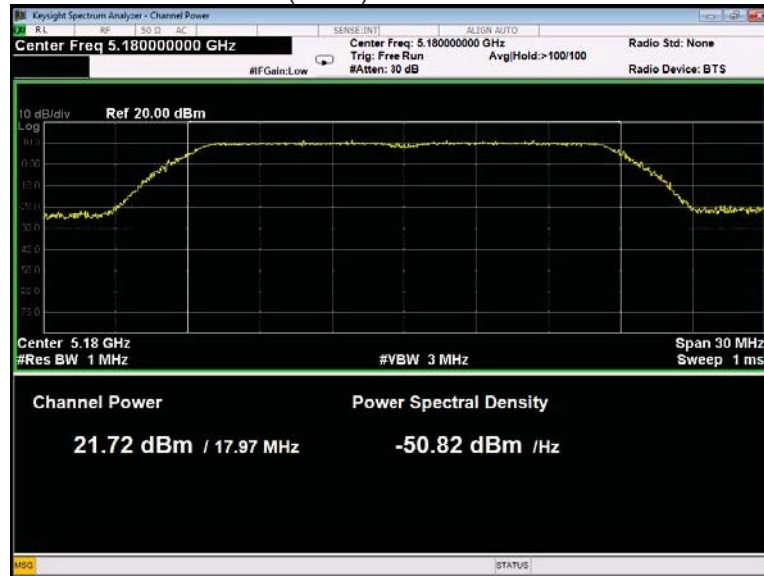


802.11n(HT40) band I High channel

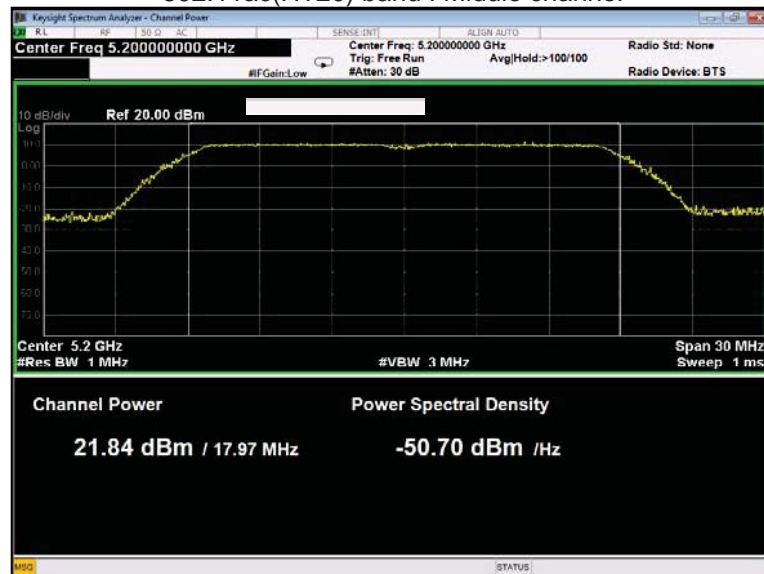




802.11ac(HT20) band I Low channel

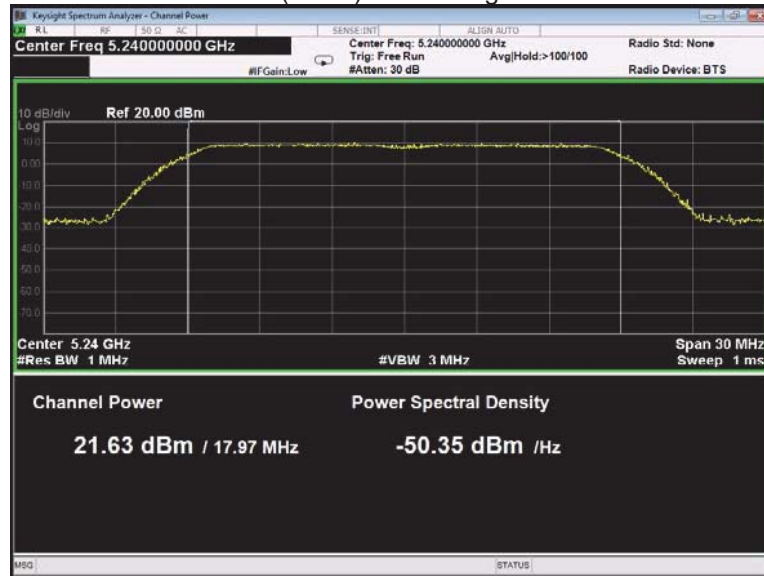


802.11ac(HT20) band I Middle channel

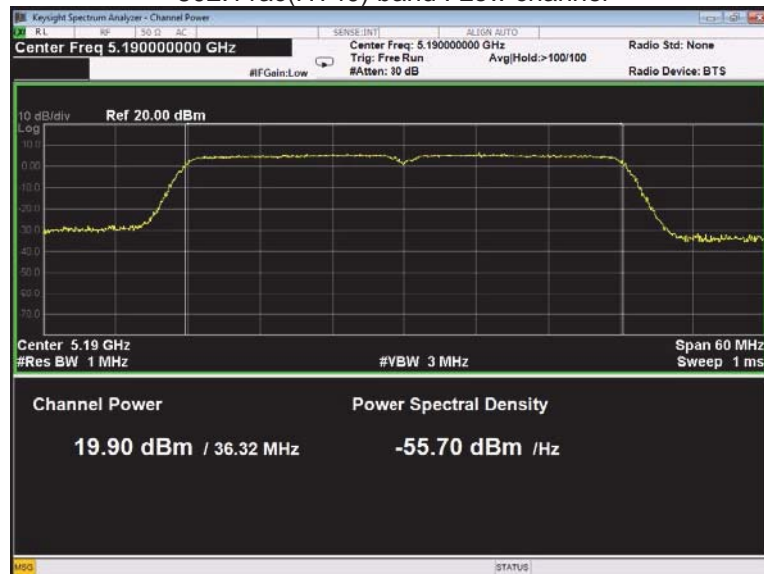




802.11ac(HT20) band I High channel

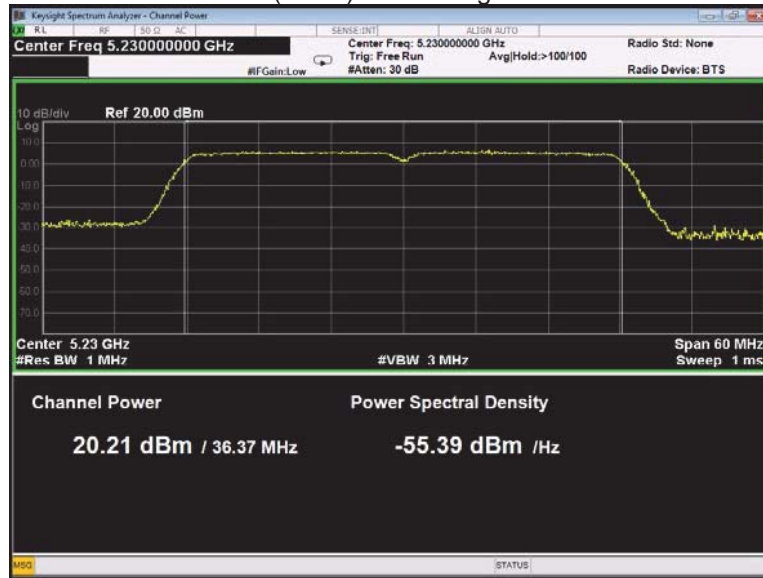


802.11ac(HT40) band I Low channel

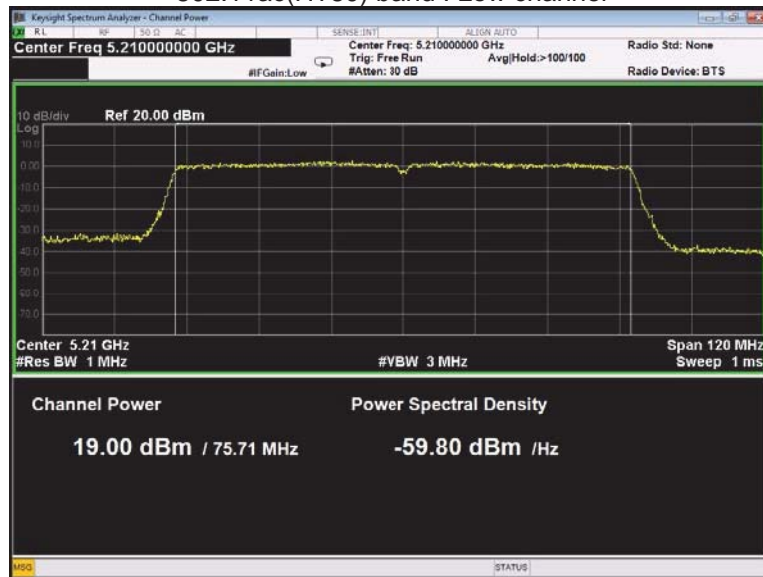




802.11n(HT40) band I High channel

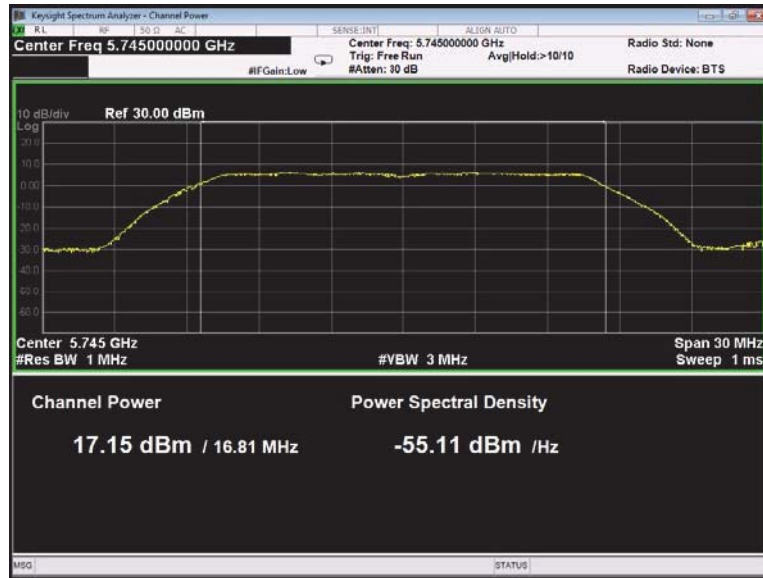


802.11ac(HT80) band I Low channel

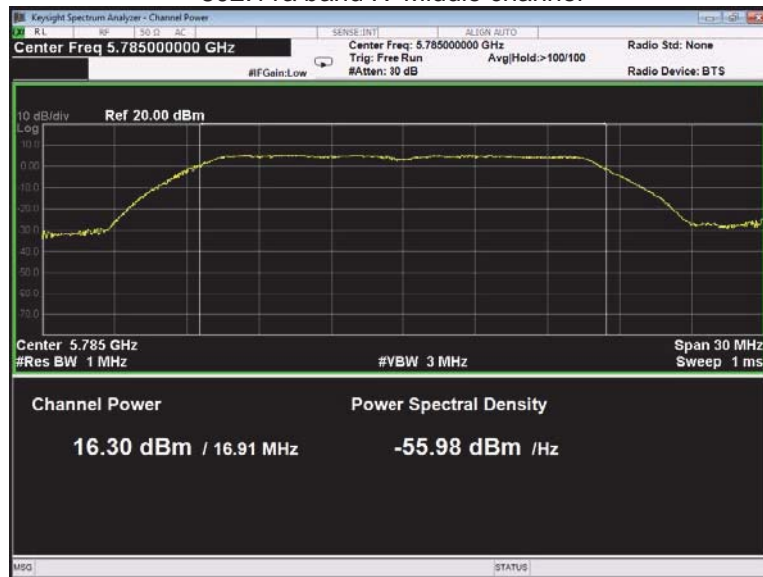




802.11a band IV Low channel

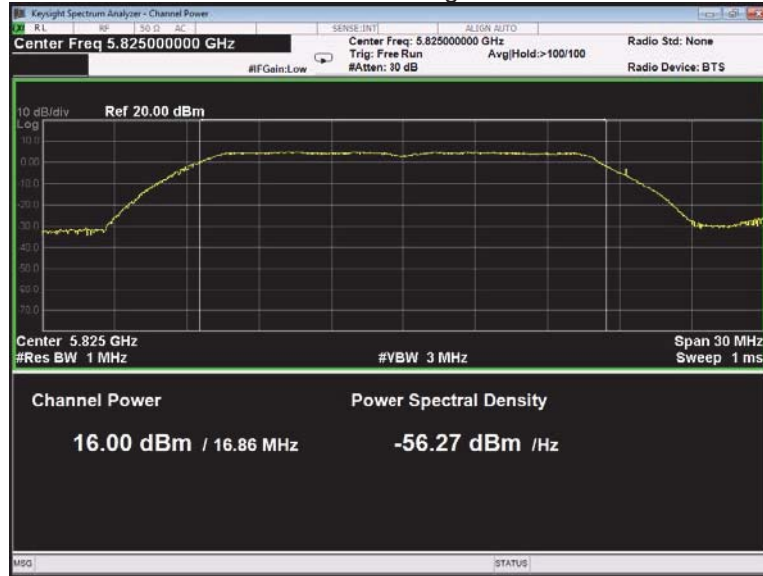


802.11a band IV Middle channel

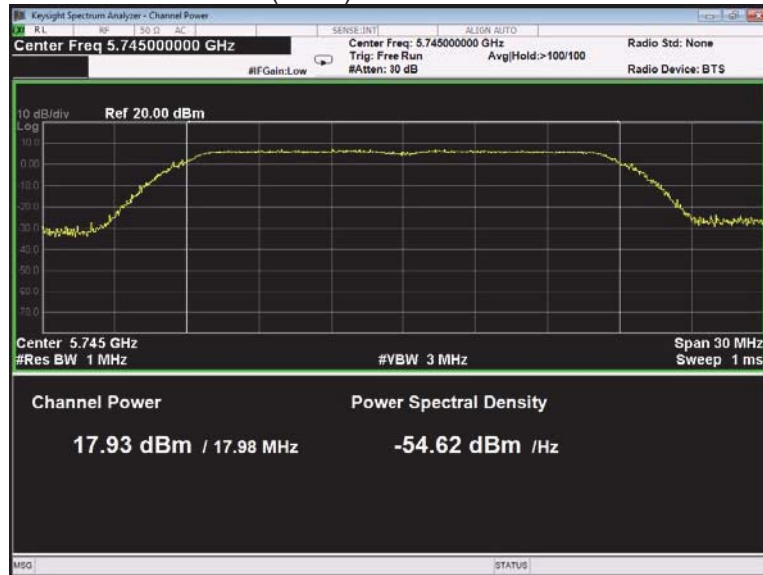




802.11a band IV High channel

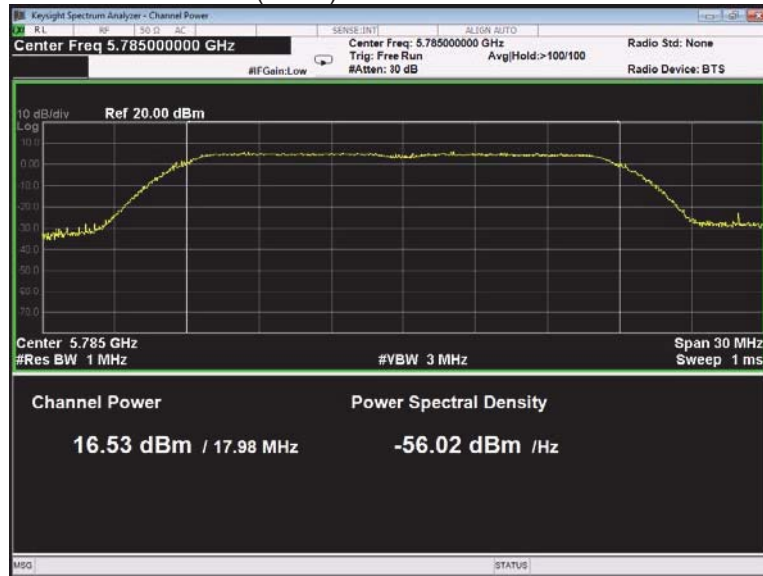


802.11n(HT20) band IV Low channel

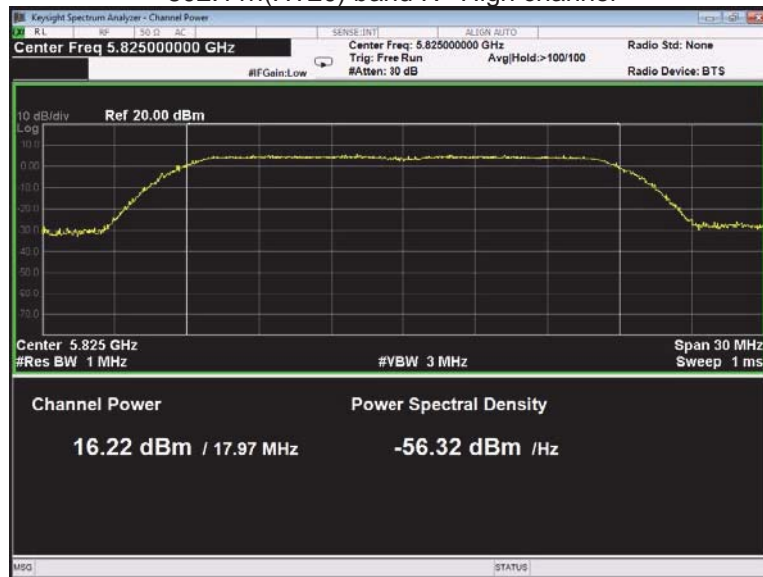




802.11n(HT20) band IV Middle channel

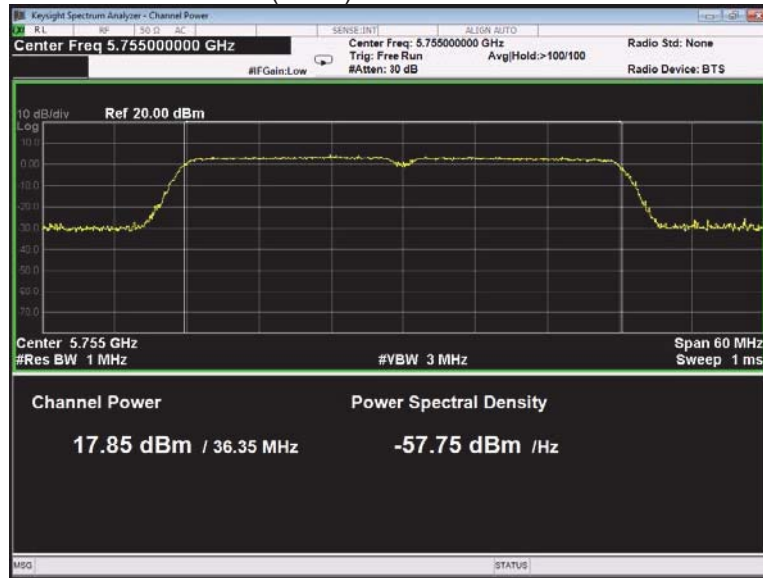


802.11n(HT20) band IV High channel

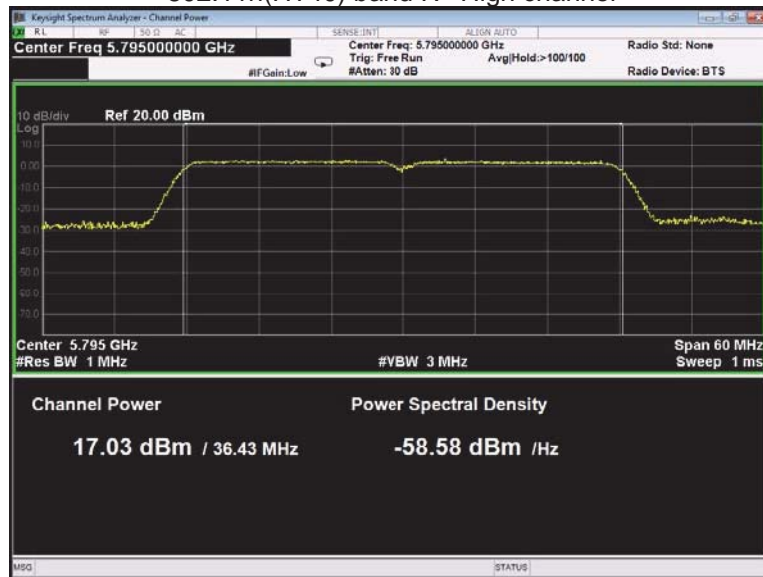




802.11n(HT40) band IV Low channel

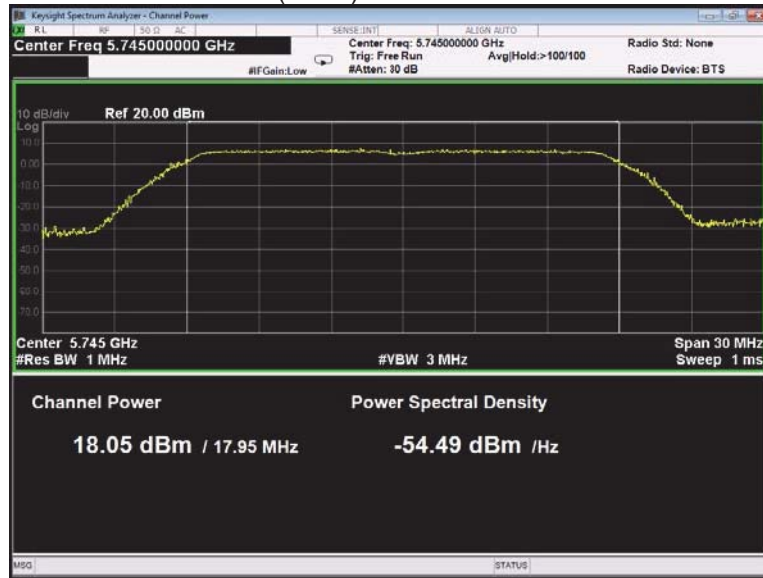


802.11n(HT40) band IV High channel

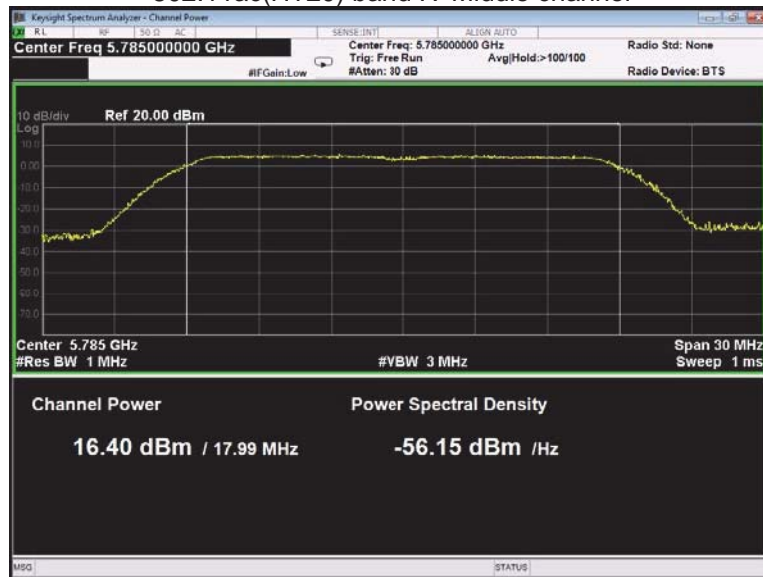




802.11ac(HT20) band IV Low channel

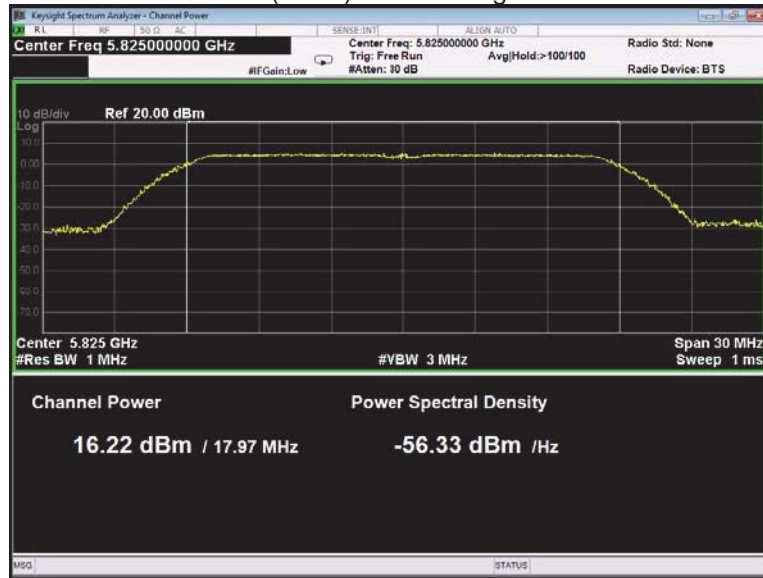


802.11ac(HT20) band IV Middle channel

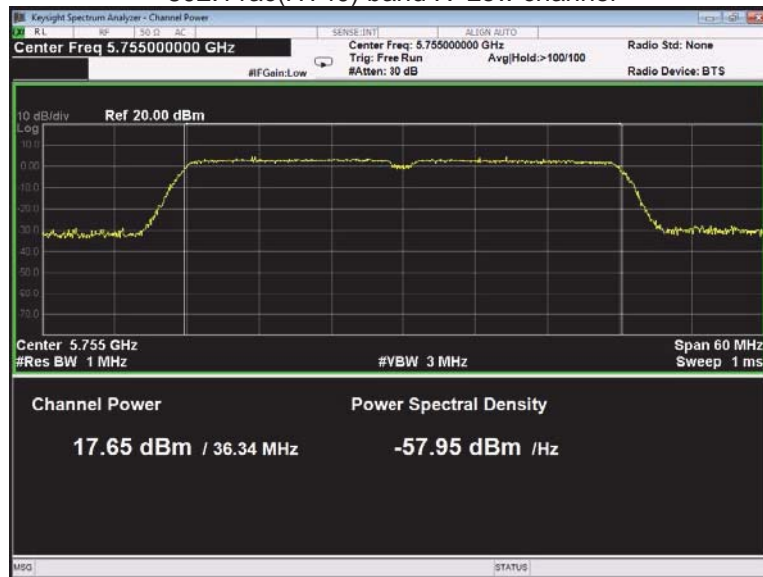




802.11ac(HT20) band IV High channel

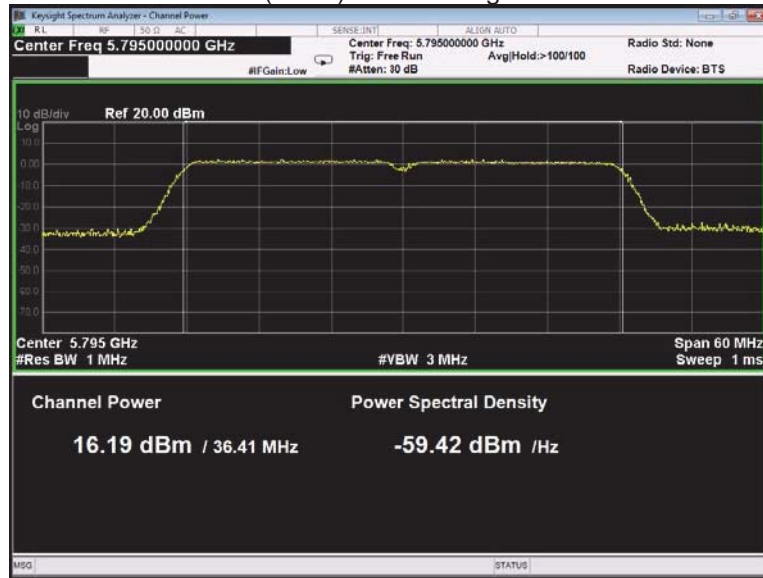


802.11ac(HT40) band IV Low channel





802.11n(HT40) band IV High channel



802.11ac(HT80) band IV Low channel

