5180-5240MHz Band:

ANT 1

11n HT40

5190MHz

5230MHz

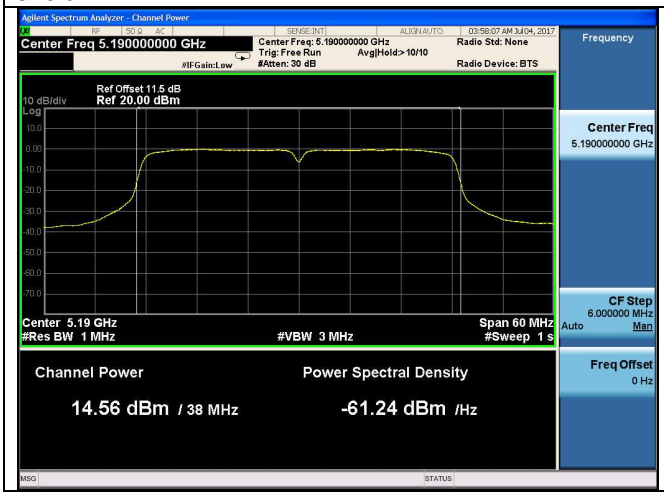
11ac VHT80

5230MHz

5210MHz

11acVHT40

5190MHz

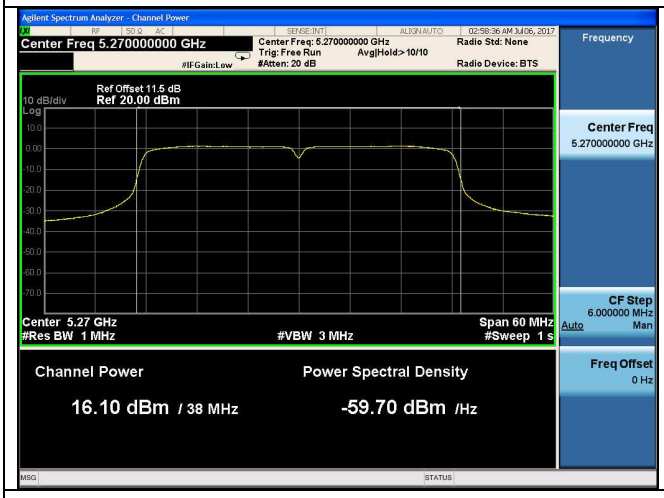


5260-5320MHz Band:

ANT 0

11n HT40

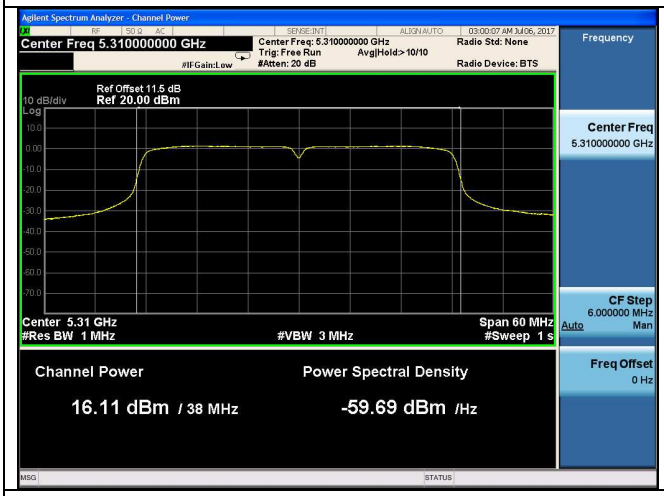
5270MHz



5310MHz

11ac VHT80

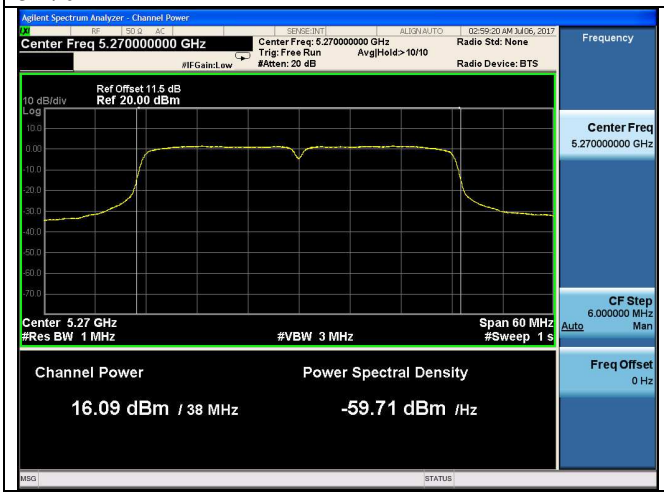
5310MHz



5290MHz

11acVHT40

5270MHz

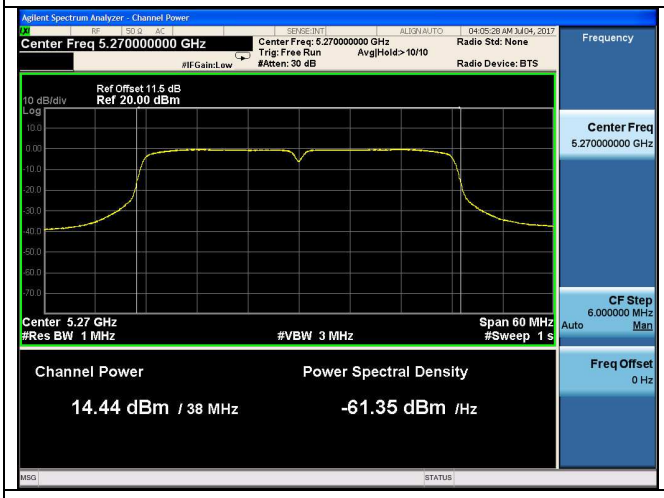


5260-5320MHz Band:

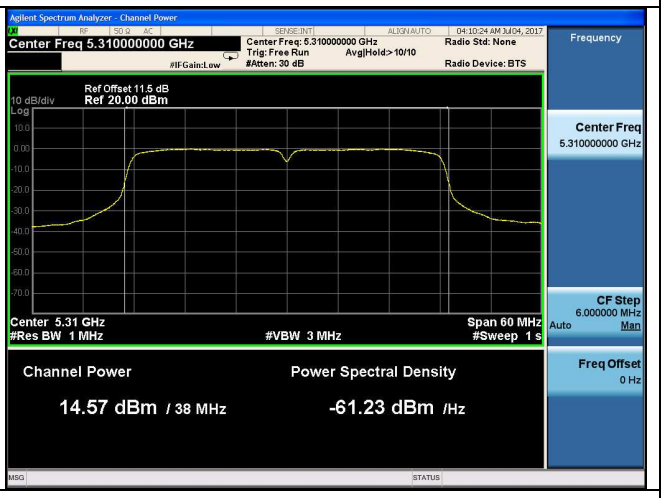
ANT 1

11n HT40

5270MHz

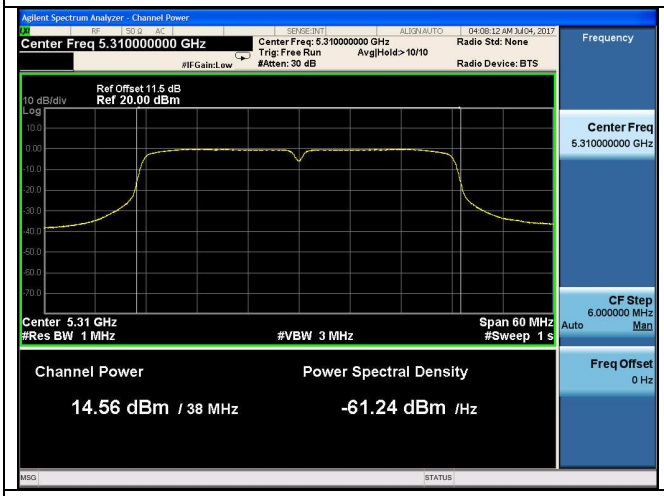


5310MHz



11ac VHT80

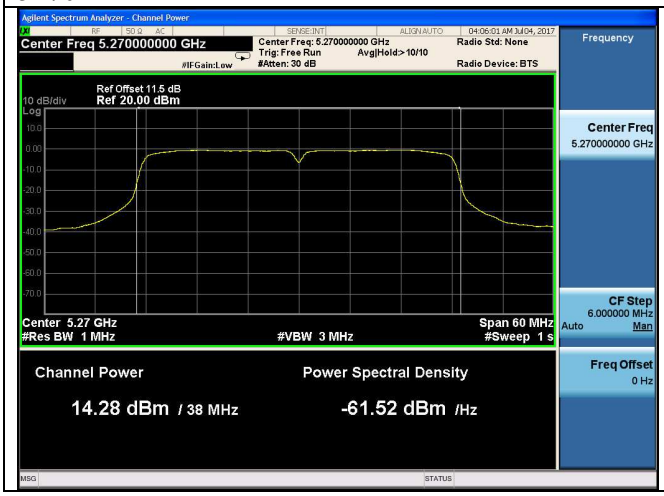
5310MHz

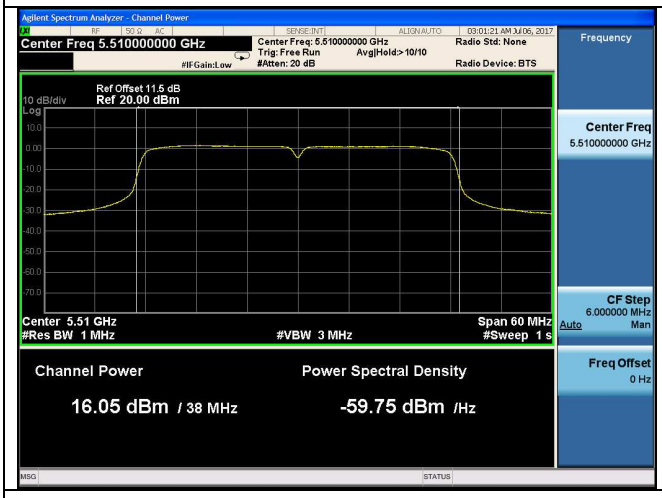
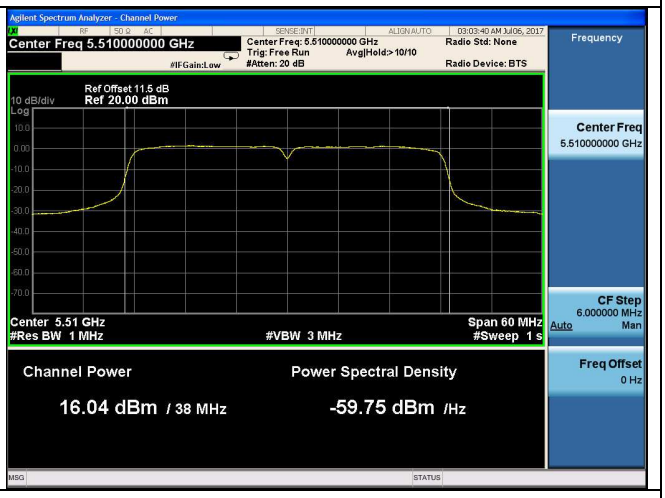
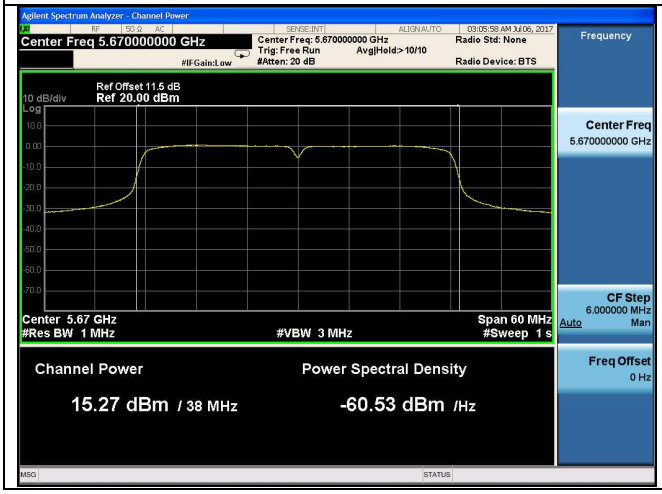
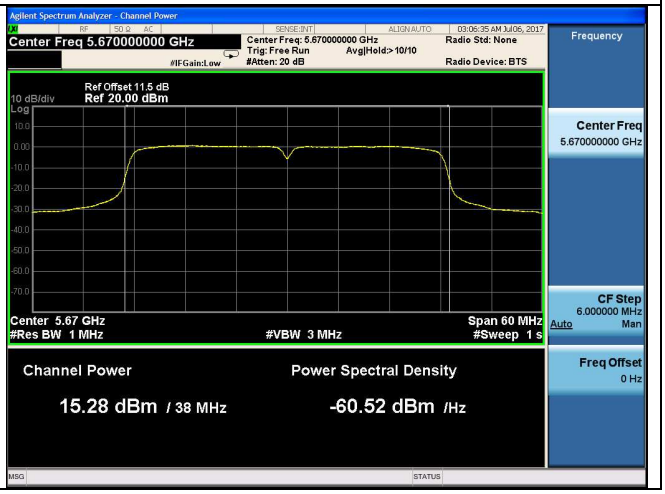


5290MHz

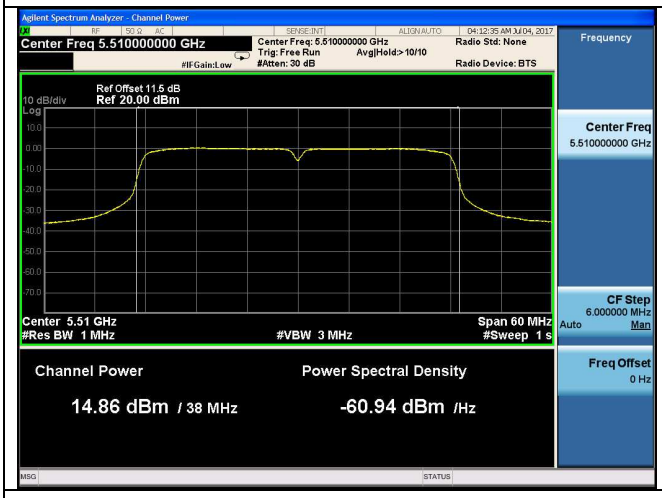
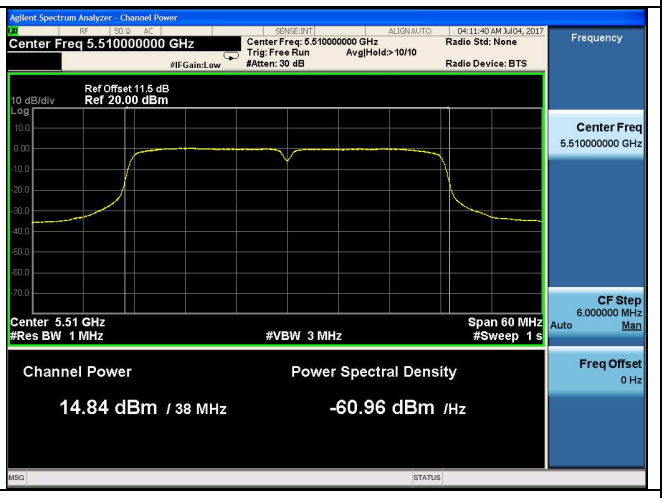
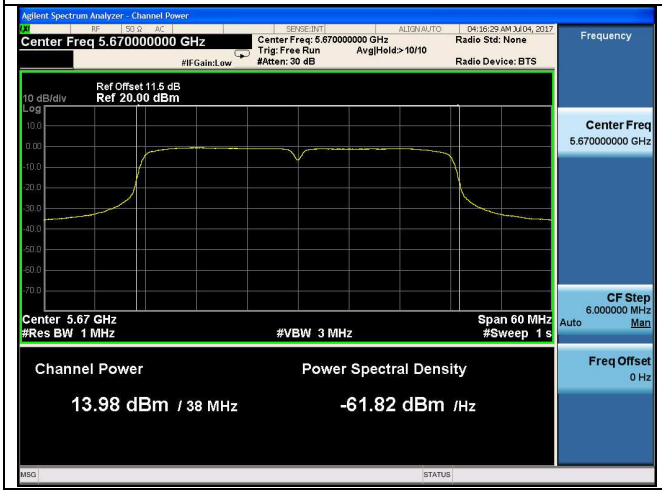
11acVHT40

5270MHz



5500-5700MHz Band:	
ANT 0	
11n HT40	11acVHT40
5510MHz	5510MHz
	
5590MHz	5590MHz
5670MHz	5670MHz
	

11ac VHT80	
5530MHz	5610MHz
5690MHz	

5500-5700MHz Band:	
ANT 1	
11n HT40	11acVHT40
5510MHz	5510MHz
	
5590MHz	5590MHz
5670MHz	5670MHz
	

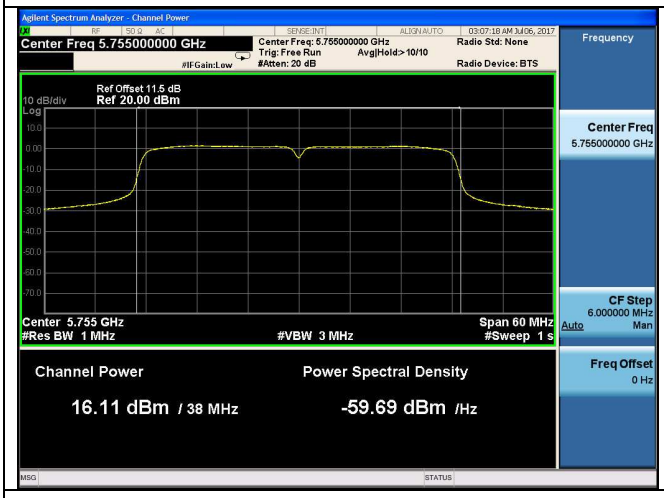
11ac VHT80	
5530MHz	5610MHz
5690MHz	

5745-5825MHz Band:

ANT 0

11n HT40

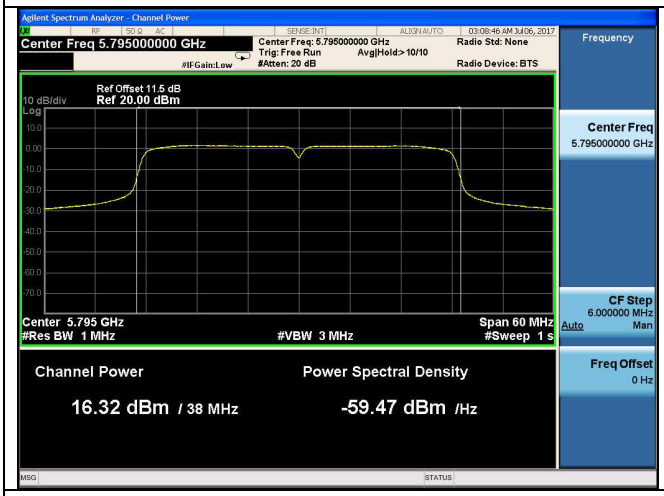
5755MHz



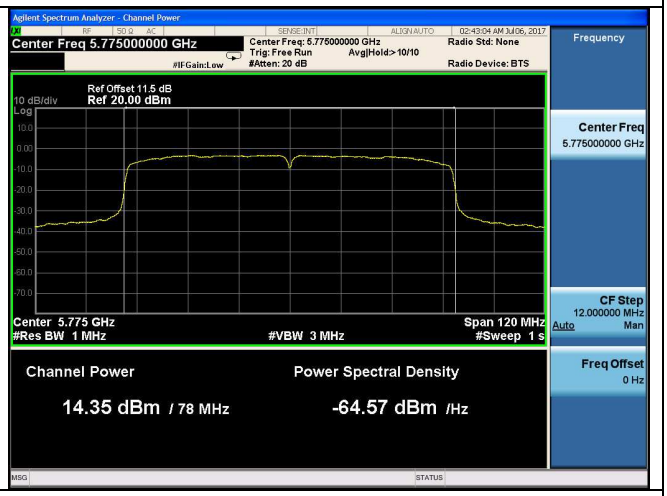
5795MHz

11ac VHT80

5795MHz

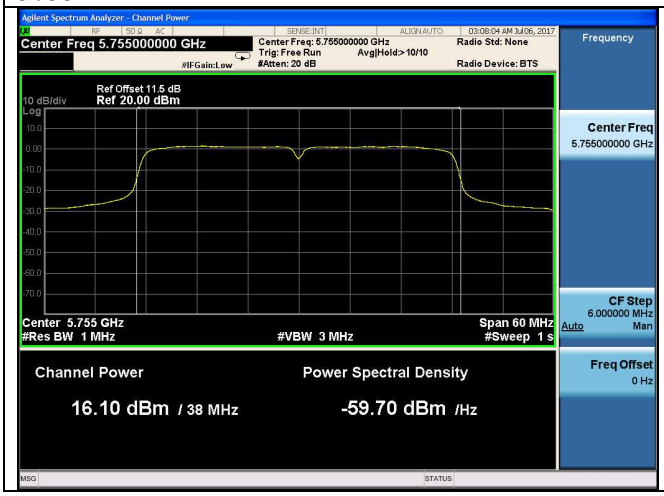


5775MHz



11acVHT40

5755MHz

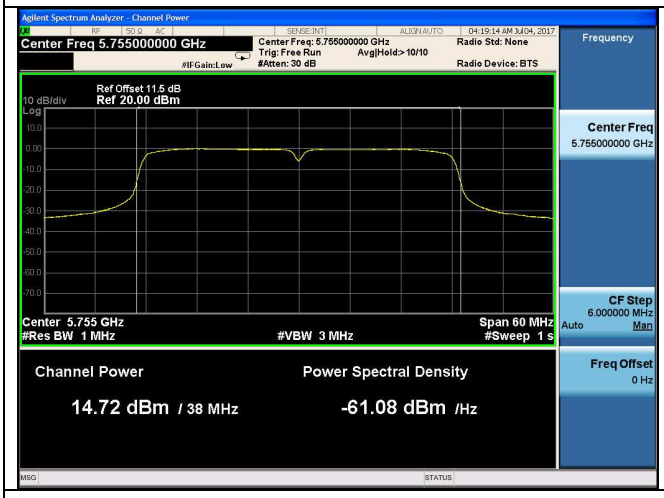


5745-5825MHz Band:

ANT 1

11n HT40

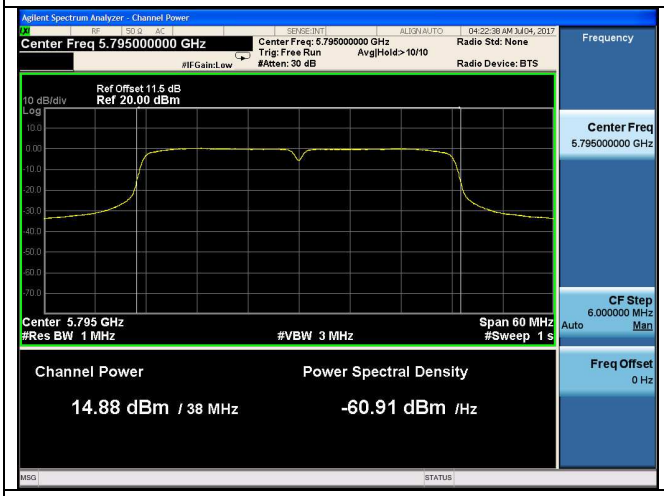
5755MHz



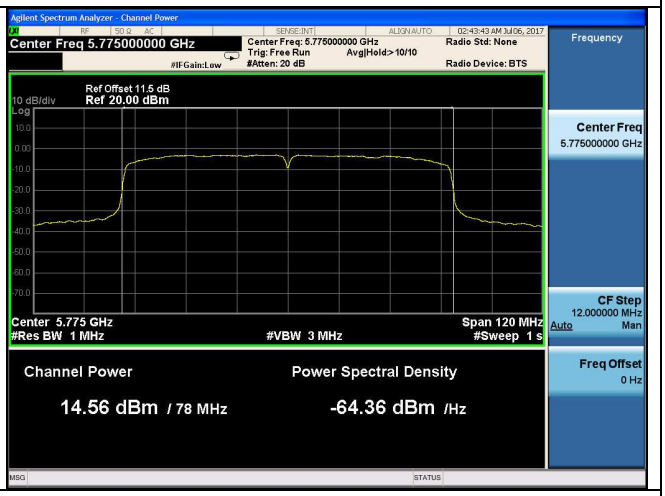
5795MHz

11ac VHT80

5795MHz

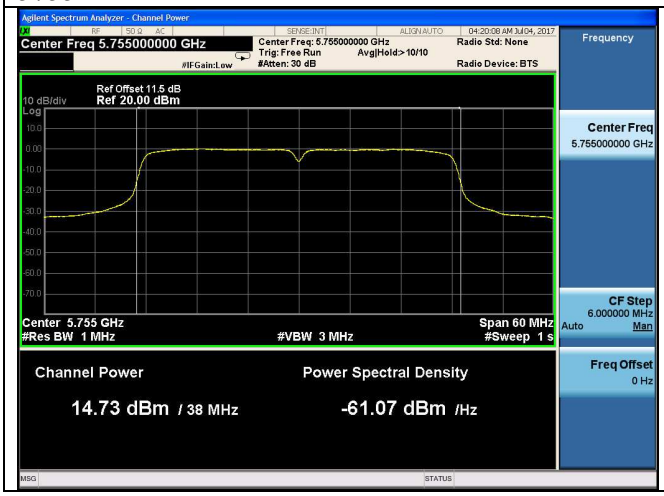


5775MHz



11acVHT40

5755MHz



8. SPECTRAL DENSITY TEST

8.1.Test Equipment

Item	Equipment	Manufacturer	Model No.	Serial No.	Last Cal.	Cal. Interval
1.	Spectrum	Agilent	N9030A	MY51380221	Oct.15,16	1Year
2.	Attenuator (20dB)	Agilent	8491B	MY39262165	Apr.22,17	1 Year
3.	RF Cable	Marvelous Microwave Inc	SFL402105FLEX	NO.1	Oct.15,16	1 Year

8.2.Limit

Band 5150-5250 MHz:
The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
Band 5250-5350 MHz:
The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
Band 5470-5725 MHz:
The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.
Band 5725-5850 MHz:
The power spectral density shall not exceed 30 dBm in any 500 KHz band.

8.3.Test Procedure

For the Band 5.15-5.35GHz; 5.47-5.725 GHz:
The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW; Detector: RMS mode.

For the band 5.725-5.85 GHz:
The transmitter output was connected to a spectrum analyzer. Power density was measured by spectrum analyzer with 1MHz RBW and 3MHz VBW,RMS Detector.
So use the test method described in KDB789033 clause E

1) Set the RBW=100kHz and VBW =3MHz
2) Number of points in sweep ≥ 2 Span / RBW.(This ensures that bin-to-bin spacing is ≤ RBW/2 so that narrowband signals are not lost between frequency bins.)
3) Sweep time = auto
4) Detector = RMS (i.e., power averaging), if available. Otherwise, use sample detector mode.
5) Use the “peak search” function of spectrum analyzer find the max value, then add 10log (500kHz/RBW) to the measured result.

Note: The cable loss and attenuator loss were offset into measure device as an amplitude offset.