

5180-5240MHz Band:

ANT 1

11n HT40

5190MHz



5230MHz



5230MHz



11ac VHT80

5210MHz



11acVHT40

5190MHz



5260-5320MHz Band:

ANT 0

11n HT40

5270MHz



5310MHz



5310MHz



11ac VHT80

5290MHz



11acVHT40

5270MHz



5260-5320MHz Band:

ANT 1

11n HT40

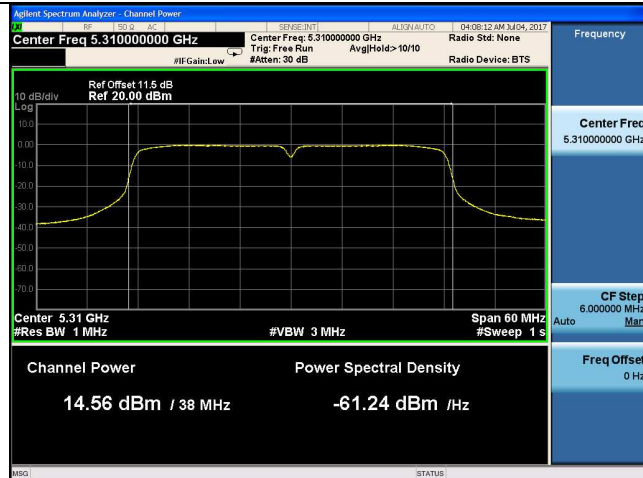
5270MHz



5310MHz



5310MHz



11ac VHT80

5290MHz



11acVHT40

5270MHz

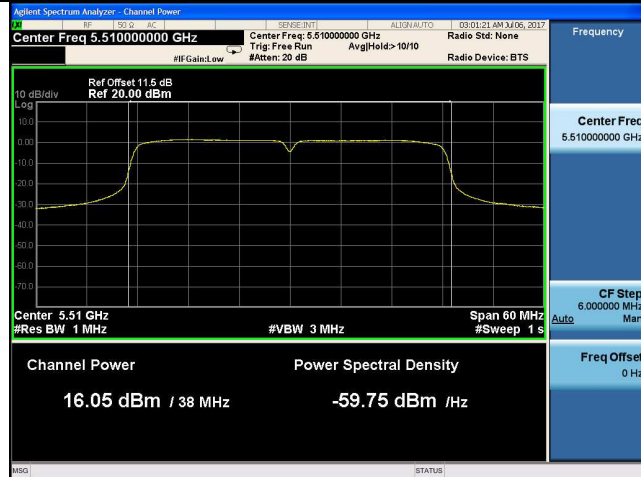


5500-5700MHz Band:

ANT 0

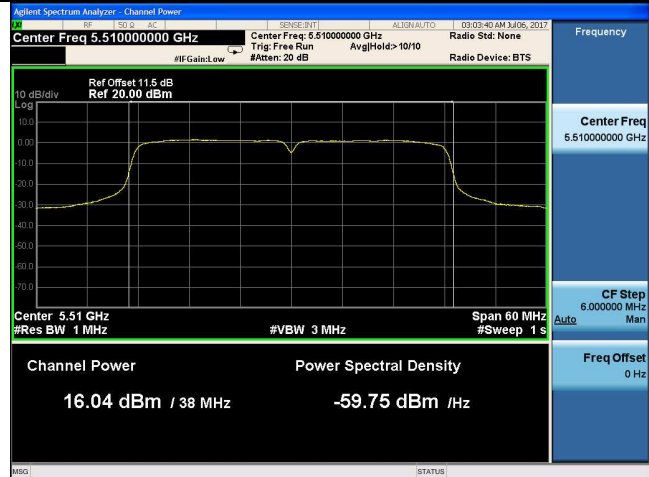
11n HT40

5510MHz



11acVHT40

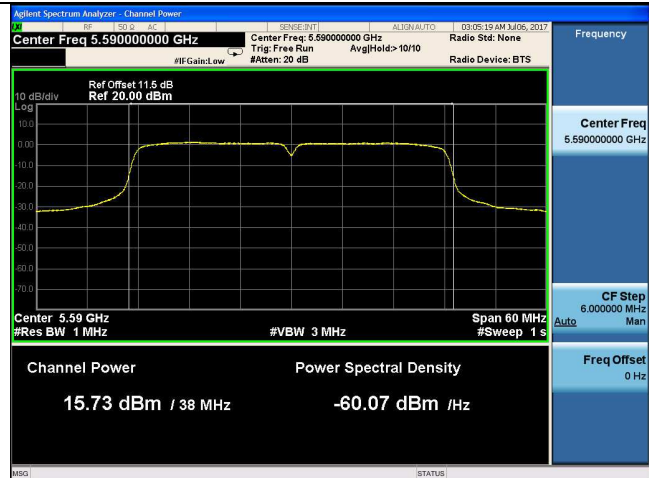
5510MHz



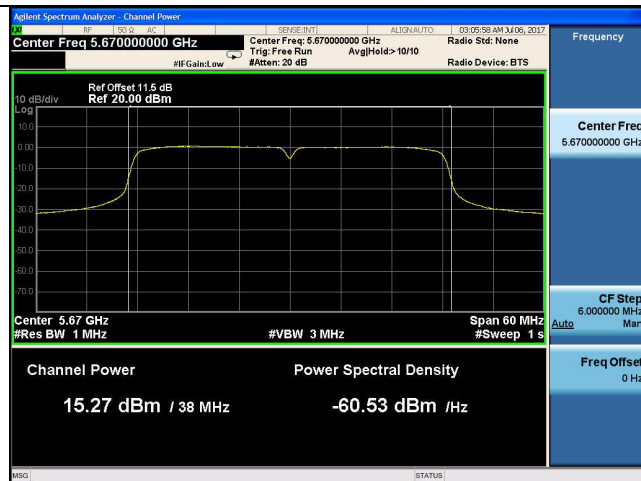
5590MHz



5590MHz



5670MHz



5670MHz



11ac VHT80

5530MHz



5610MHz



5690MHz



5500-5700MHz Band:

ANT 1

11n HT40

5510MHz



11acVHT40

5510MHz



5590MHz



5590MHz



5670MHz



5670MHz

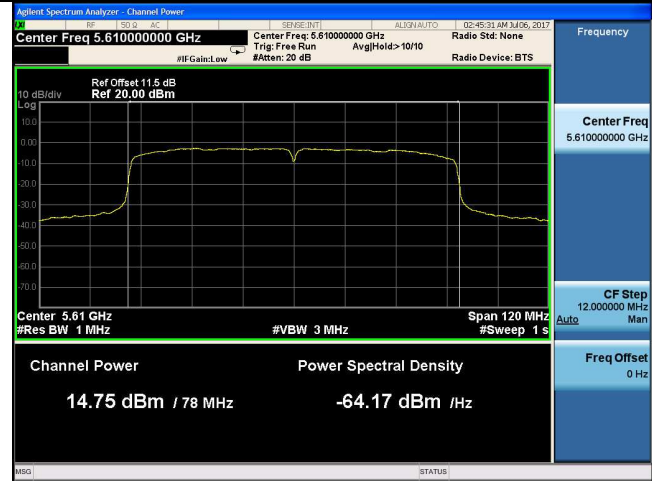


11ac VHT80

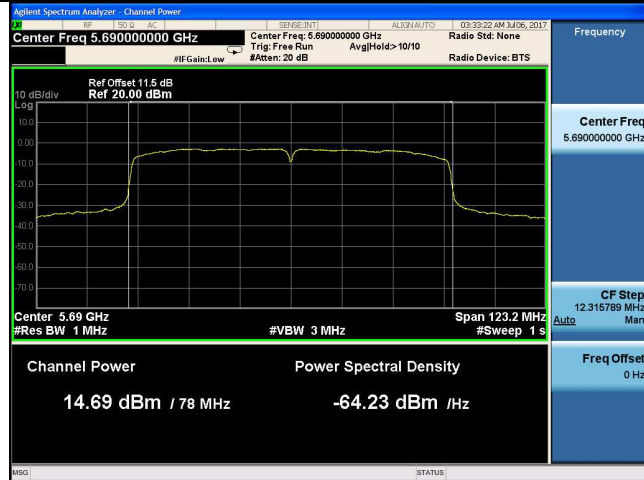
5530MHz



5610MHz



5690MHz



5745-5825MHz Band:

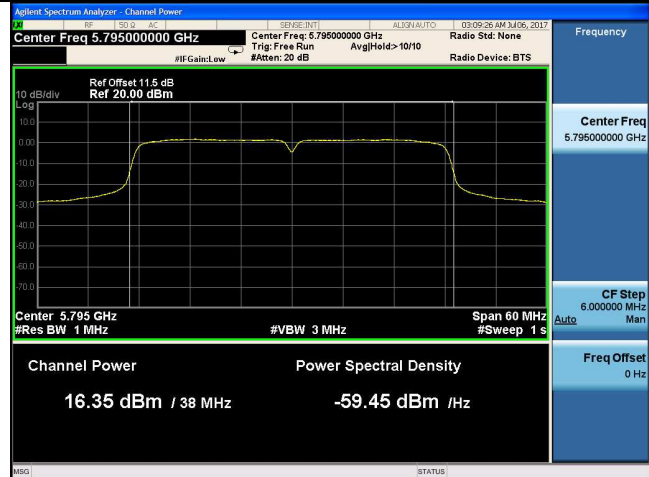
ANT 0

11n HT40

5755MHz



5795MHz



5795MHz



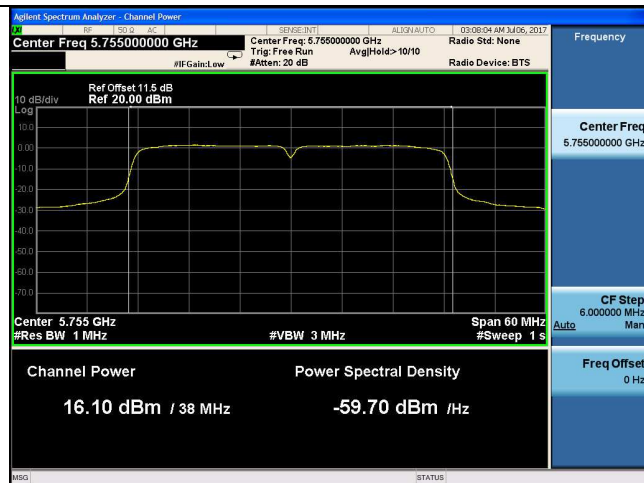
11ac VHT80

5775MHz



11acVHT40

5755MHz



5745-5825MHz Band:

ANT 1

11n HT40

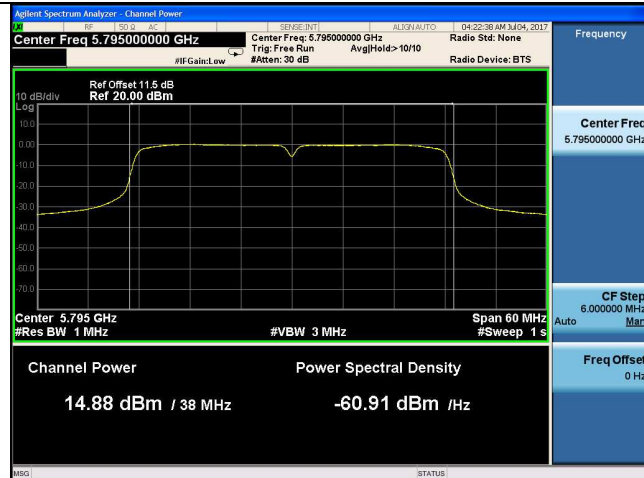
5755MHz



5795MHz



5795MHz



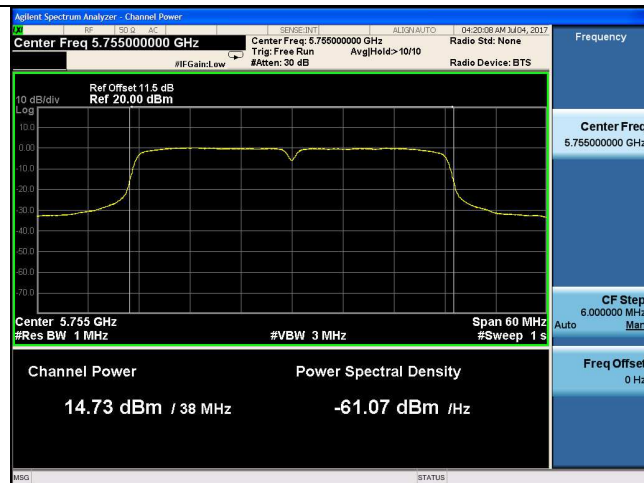
11ac VHT80

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	1 Year
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 $\leq$ 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 $10\log(500\text{kHz}/\text{RBW})$ to the measured result.

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