



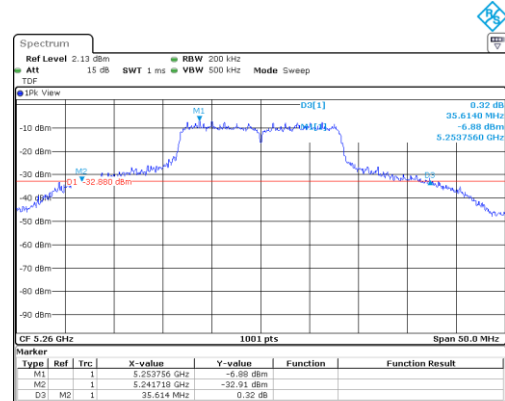
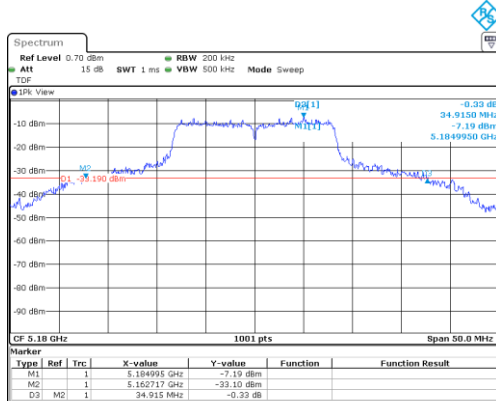
- 99% Bandwidth

Modulation Type	Band	Frequency (MHz)	Measured Bandwidth (MHz)
802.11a	UNII 1	5 180	22.030
		5 200	22.230
		5 240	20.480
	UNII 2A	5 260	22.430
		5 280	20.330
		5 320	18.680
	UNII 2C	5 500	19.130
		5 600	17.280
		5 700	18.480
	UNII 3	5 745	16.980
		5 785	17.030
		5 825	16.830
802.11n(HT20)	UNII 1	5 180	23.280
		5 200	23.380
		5 240	21.330
	UNII 2A	5 260	23.580
		5 280	21.680
		5 320	19.480
	UNII 2C	5 500	20.080
		5 600	18.180
		5 700	18.030
	UNII 3	5 745	18.030
		5 785	18.030
		5 825	17.780
802.11n(HT40)	UNII 1	5 190	37.560
		5 230	37.660
	UNII 2A	5 270	37.860
		5 310	37.160
	UNII 2C	5 510	36.960
		5 590	36.560
		5 670	36.760
	UNII 3	5 755	36.760
		5 795	36.960



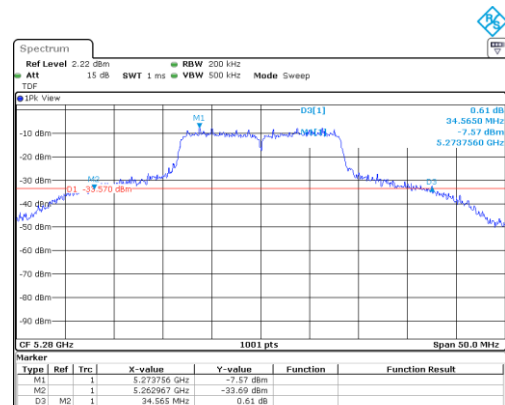
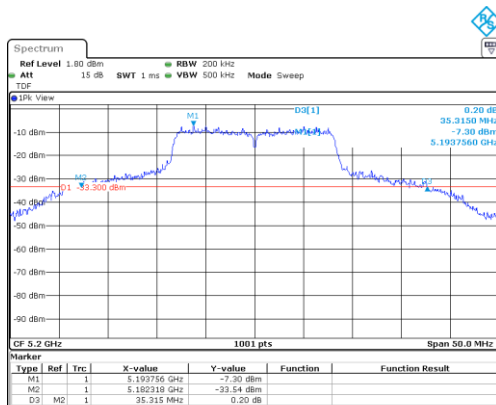
Modulation Type	Band	Frequency (MHz)	Measured Bandwidth (MHz)
802.11ac(VHT20)	UNII 1	5 180	21.830
		5 200	22.380
		5 240	20.680
	UNII 2A	5 260	22.830
		5 280	20.780
		5 320	19.330
	UNII 2C	5 500	19.680
		5 600	18.180
		5 700	18.080
	UNII 3	5 745	18.080
		5 785	18.030
		5 825	17.880
802.11ac(VHT40)	UNII 1	5 190	37.660
		5 230	37.560
		5 270	37.760
	UNII 2A	5 310	37.060
		5 510	36.860
		5 590	36.460
	UNII 2C	5 670	36.660
		5 755	36.560
		5 795	36.960
802.11ac(VHT80)	UNII 1	5 210	75.760
	UNII 2A	5 290	75.640
	UNII 2C	5 530	75.520
		5 610	75.520
	UNII 3	5 775	75.400

7.3.2.1 Measured Graph for 26 dB Bandwidth



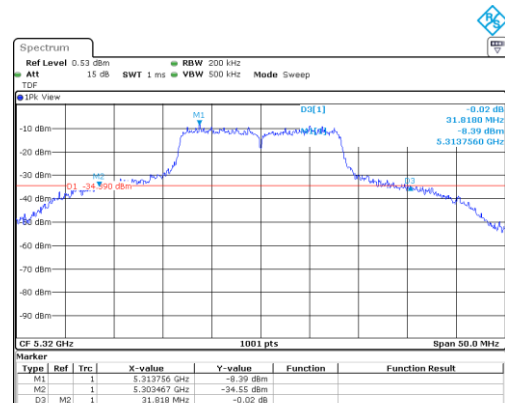
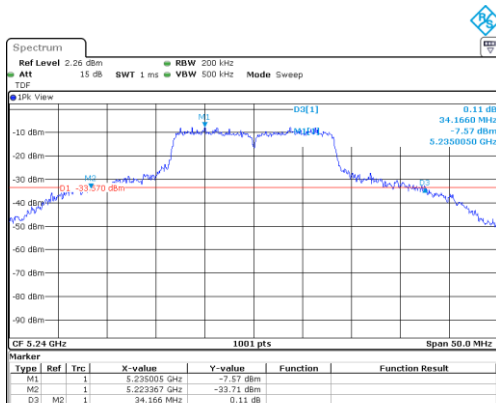
UNII-1 / 802.11a / 5 180 MHz

UNII-2A / 802.11a / 5 260 MHz



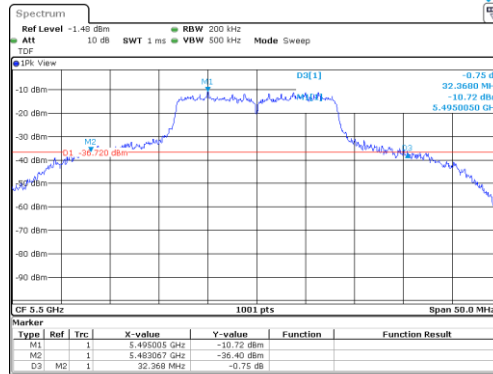
UNII-1 / 802.11a / 5 200 MHz

UNII-2A / 802.11a / 5 280 MHz

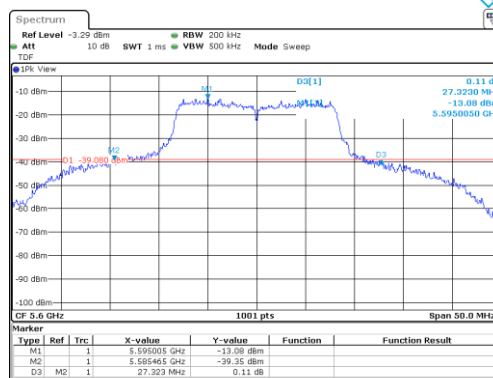


UNII-1 / 802.11a / 5 240 MHz

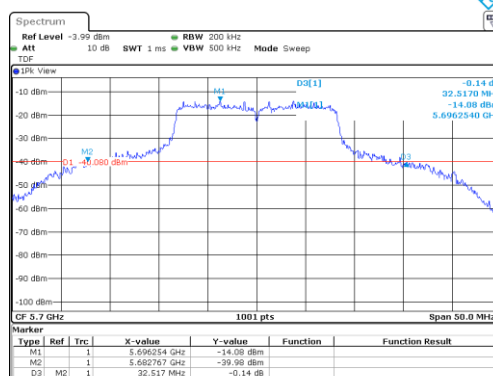
UNII-2A / 802.11a / 5 320 MHz



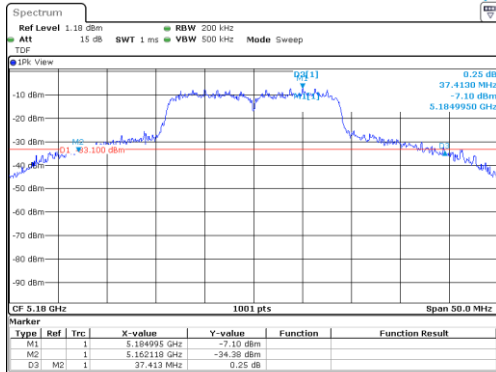
UNII-2C / 802.11a / 5 500 MHz



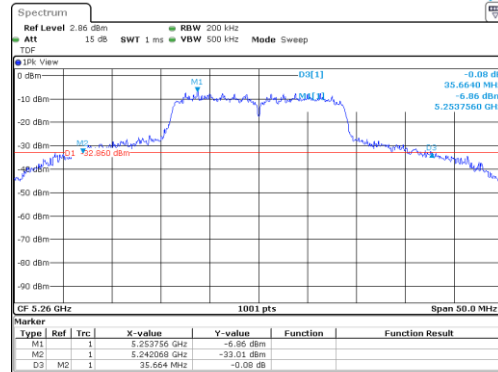
UNII-2C / 802.11a / 5 600 MHz



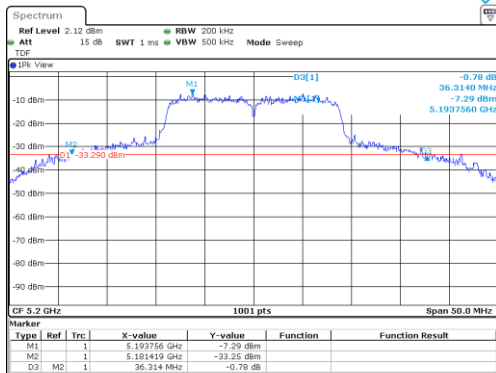
UNII-2C / 802.11a / 5 700 MHz



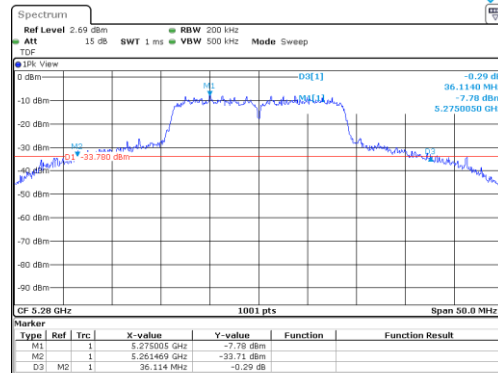
UNII-1 / 802.11n(HT20) / 5 180 MHz



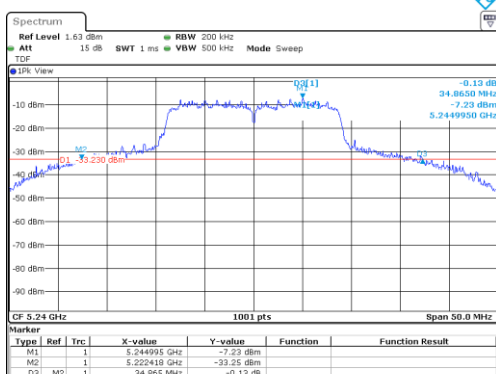
UNII-2A / 802.11n(HT20) / 5 260 MHz



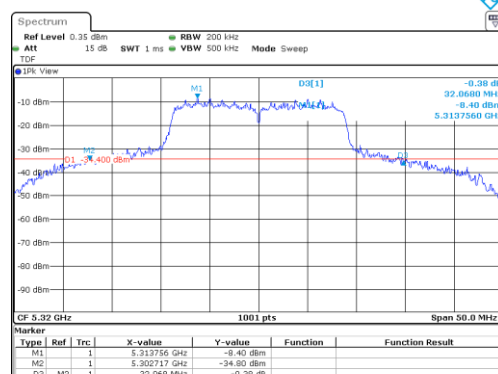
UNII-1 / 802.11n(HT20) / 5 200 MHz



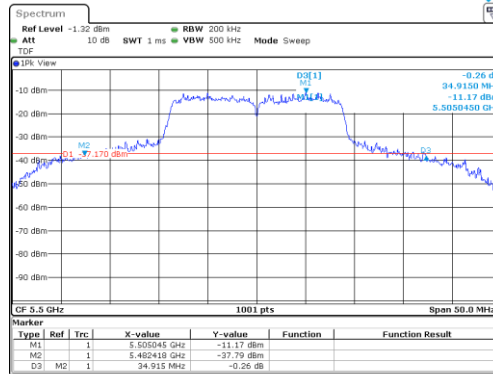
UNII-2A / 802.11n(HT20) / 5 280 MHz



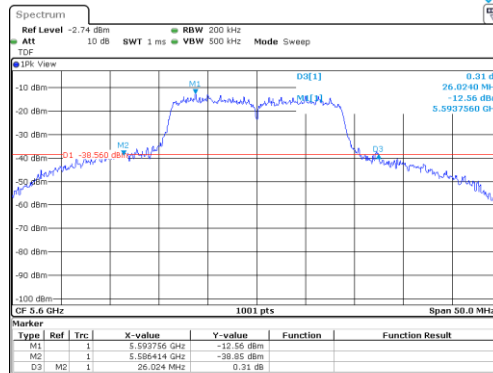
UNII-1 / 802.11n(HT20) / 5 240 MHz



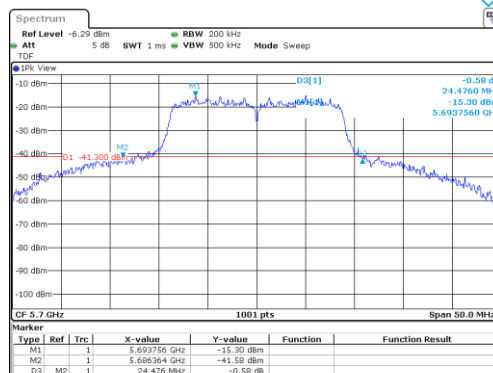
UNII-2A / 802.11n(HT20) / 5 320 MHz



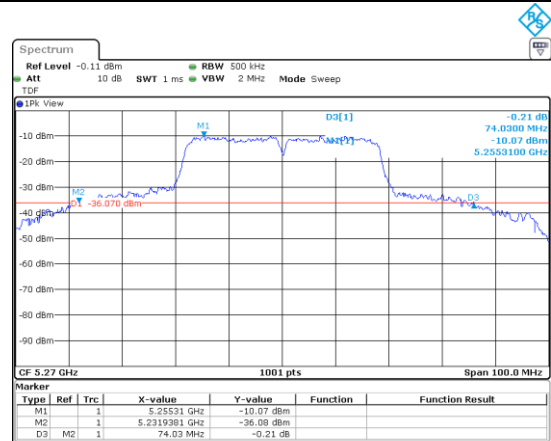
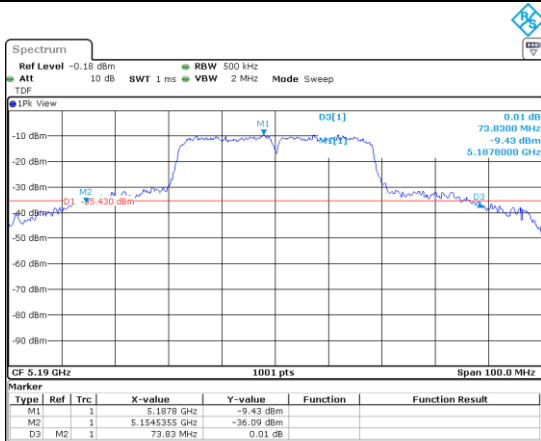
UNII-2C / 802.11n(HT20)/ 5 500 MHz



UNII-2C / 802.11n(HT20)/ 5 600 MHz

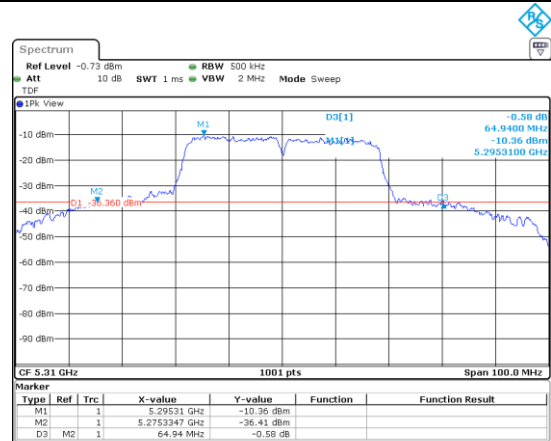
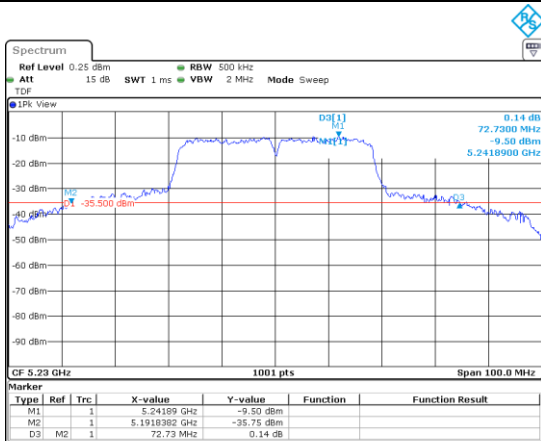


UNII-2C / 802.11n(HT20)/ 5 700 MHz



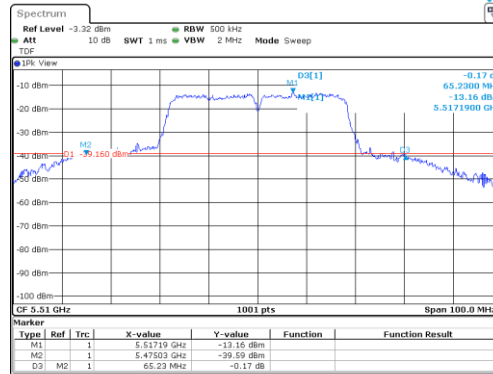
UNII-1 / 802.11n(HT40)/ 5 190 MHz

UNII-2A / 802.11n(HT40)/ 5 270 MHz

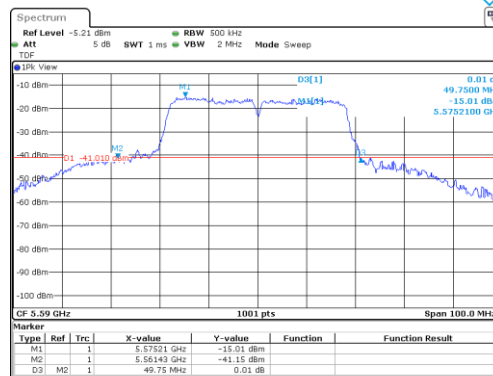


UNII-1 / 802.11n(HT40)/ 5 230 MHz

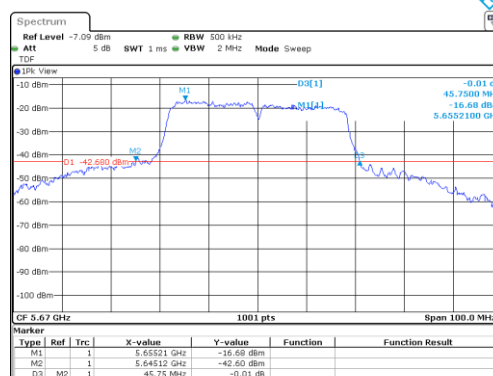
UNII-2A / 802.11n(HT40)/ 5 310 MHz



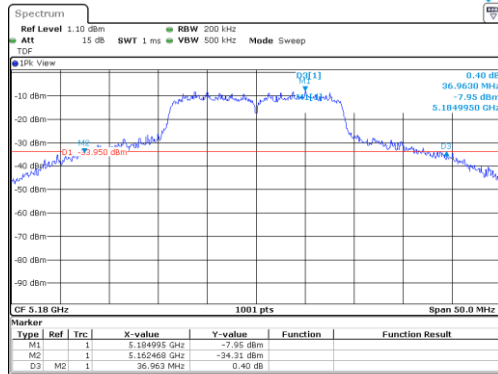
UNII-2C / 802.11n(HT40)/ 5 510 MHz



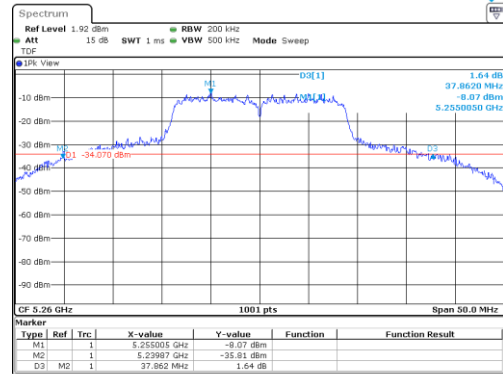
UNII-2C / 802.11n(HT40)/ 5 590 MHz



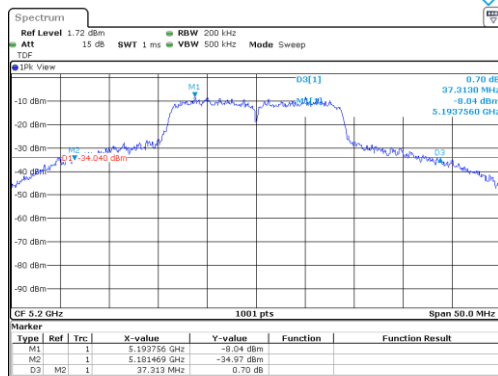
UNII-2C / 802.11n(HT40)/ 5 670 MHz



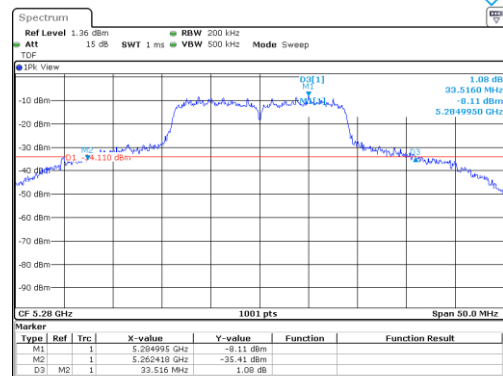
UNII-1 / 802.11ac(VHT20) / 5 180 MHz



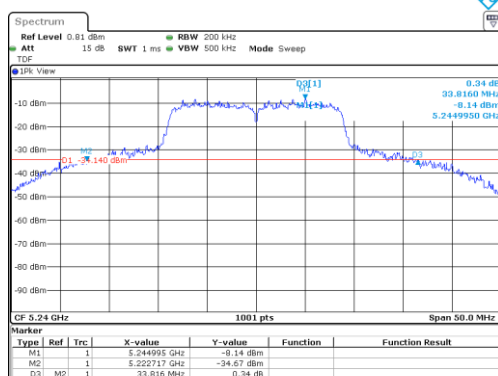
UNII-2A / 802.11ac(VHT20)/ 5 260 MHz



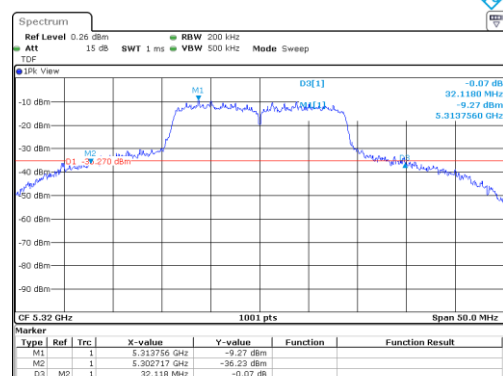
UNII-1 / 802.11ac(VHT20)/ 5 200 MHz



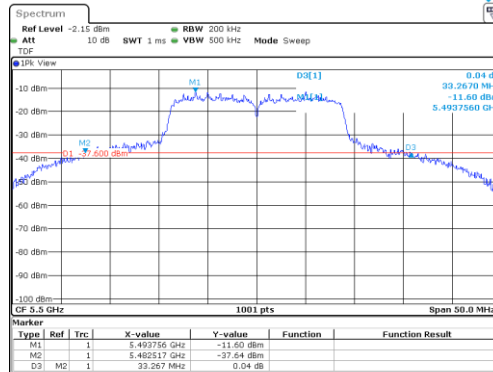
UNII-2A / 802.11ac(VHT20)/ 5 280 MHz



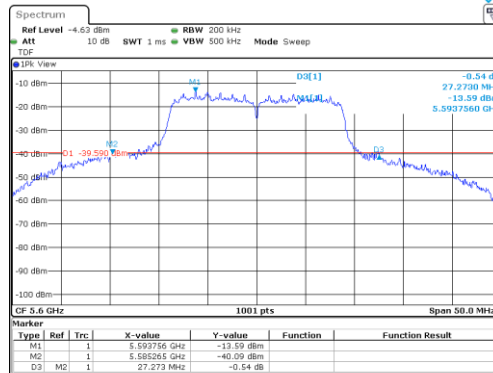
UNII-1 / 802.11ac(VHT20)/ 5 240 MHz



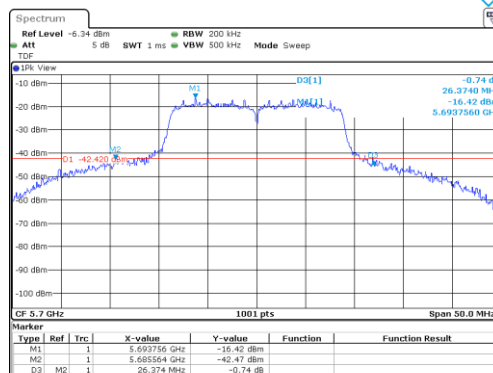
UNII-2A / 802.11ac(VHT20)/ 5 320 MHz



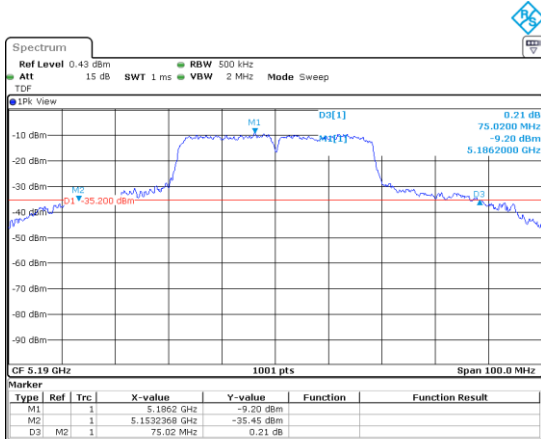
UNII-2C / 802.11ac(VHT20)/ 5 500 MHz



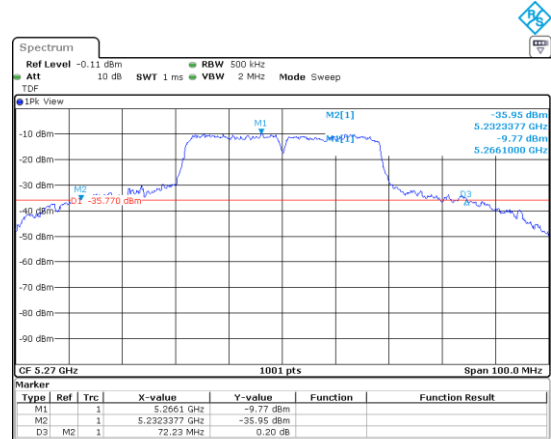
UNII-2C / 802.11ac(VHT20)/ 5 600 MHz



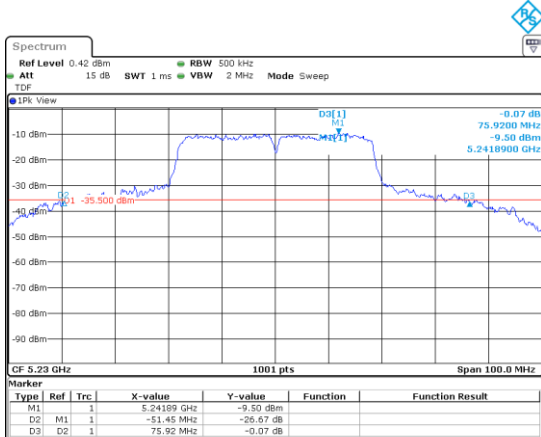
UNII-2C / 802.11ac(VHT20)/ 5 700 MHz



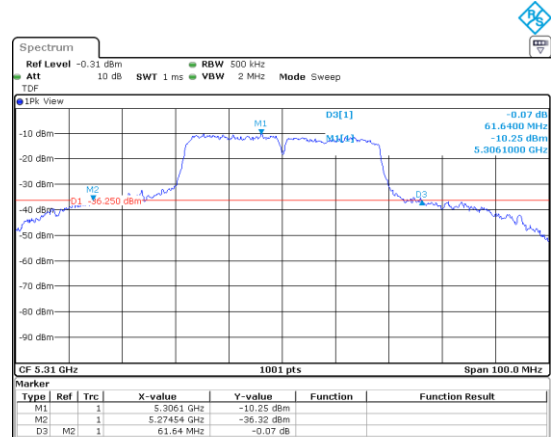
UNII-1 / 802.11ac(VHT40)/ 5 190 MHz



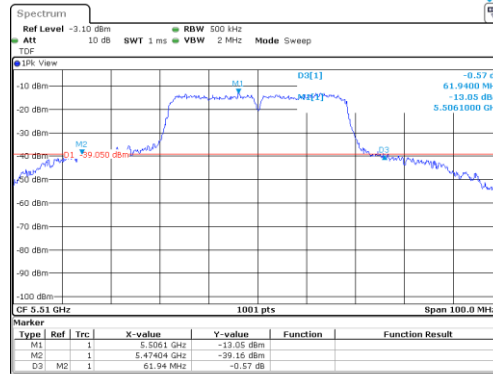
UNII-2A / 802.11ac(VHT40)/ 5 270 MHz



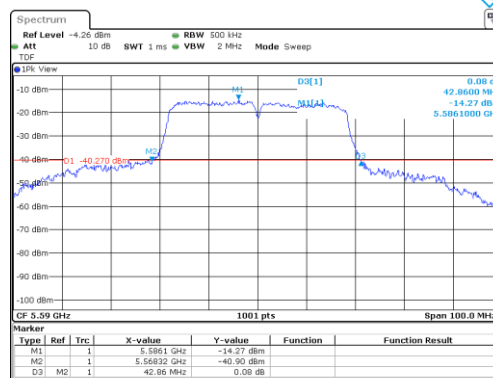
UNII-1 / 802.11ac(VHT40)/ 5 230 MHz



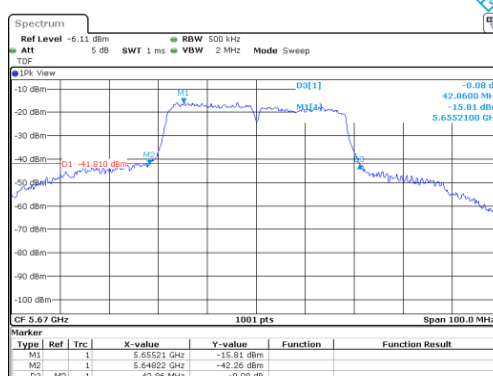
UNII-2A / 802.11ac(VHT40)/ 5 310 MHz



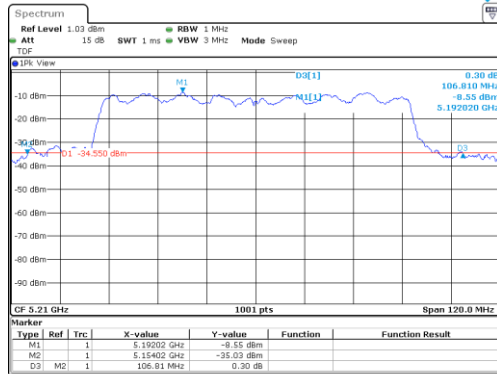
UNII-2C / 802.11ac(VHT40)/ 5 510 MHz



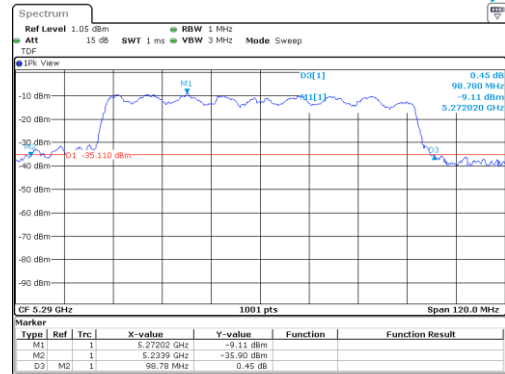
UNII-2C / 802.11ac(VHT40)/ 5 590 MHz



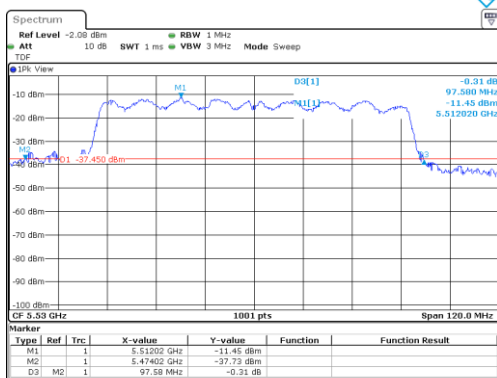
UNII-2C / 802.11ac(VHT40)/ 5 670 MHz



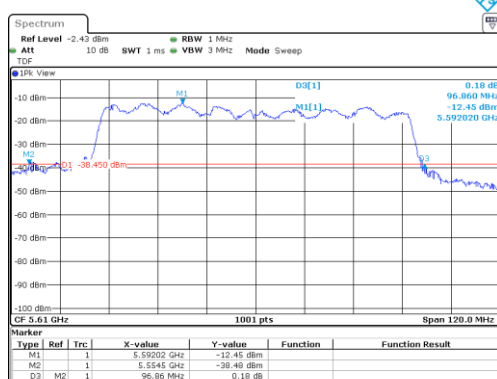
UNII-1 / 802.11ac(VHT80)/ 5 210 MHz



UNII-2A / 802.11ac(VHT80)/ 5 290 MHz

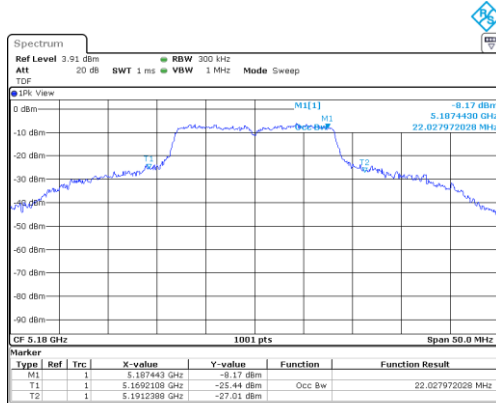


UNII-2C / 802.11ac(VHT80)/ 5 530 MHz

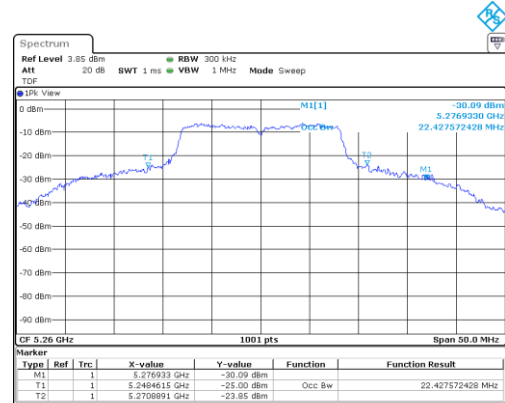


UNII-2C / 802.11ac(VHT80)/ 5 610 MHz

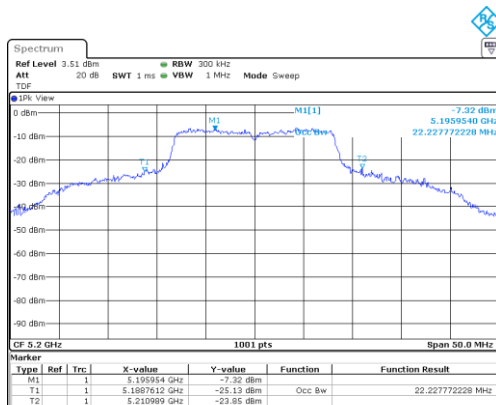
7.3.1.3 Measured Graph for 99% Bandwidth



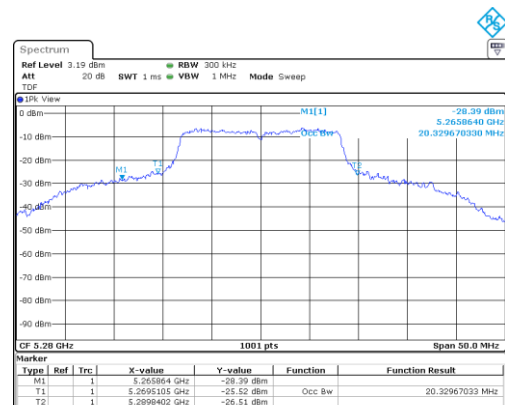
UNII-1 / 802.11a / 5 180 MHz



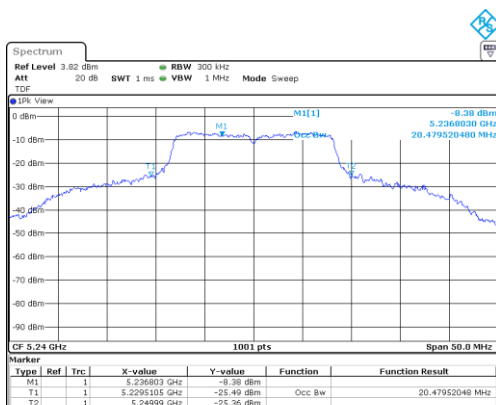
UNII-2A / 802.11a / 5 260 MHz



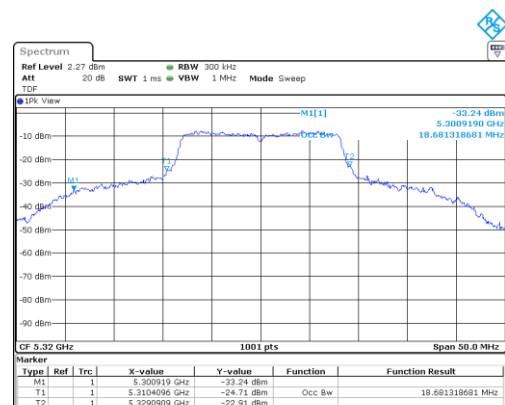
UNII-1 / 802.11a / 5 200 MHz



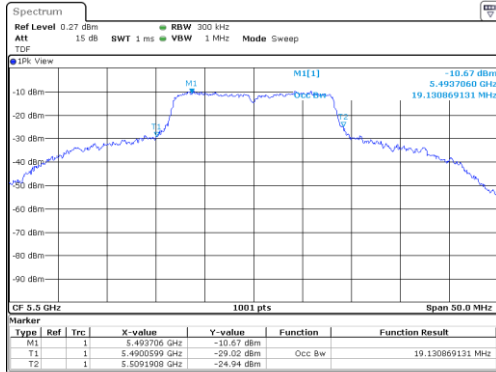
UNII-2A / 802.11a / 5 280 MHz



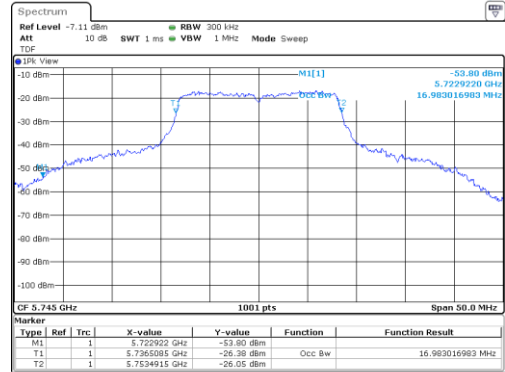
UNII-1 / 802.11a / 5 240 MHz



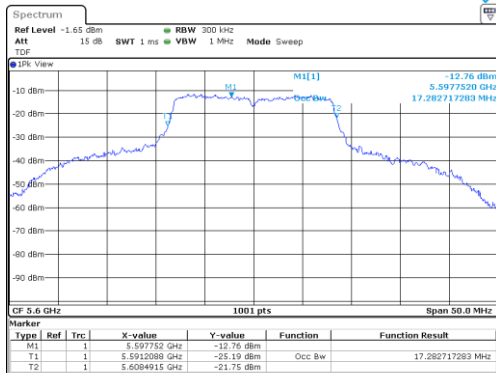
UNII-2A / 802.11a / 5 320 MHz



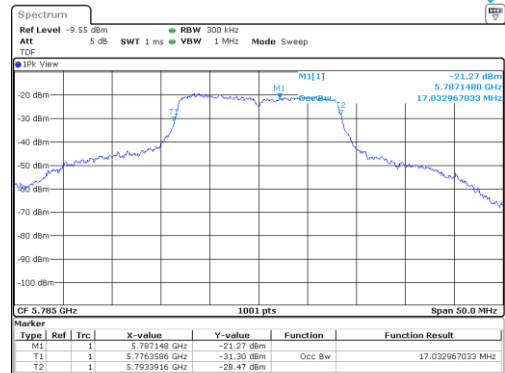
UNII-2C / 802.11a / 5 500 MHz



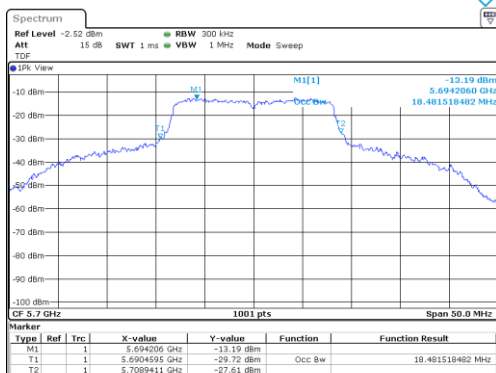
UNII-3 / 802.11a / 5 745 MHz



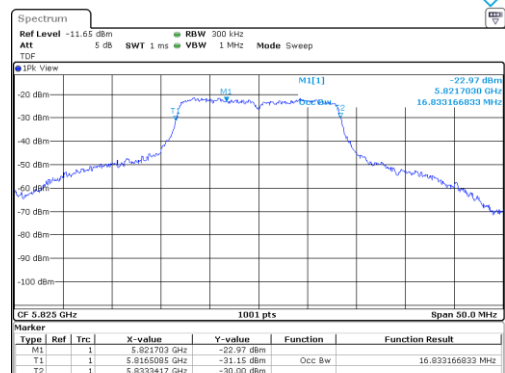
UNII-2C / 802.11a / 5 600 MHz



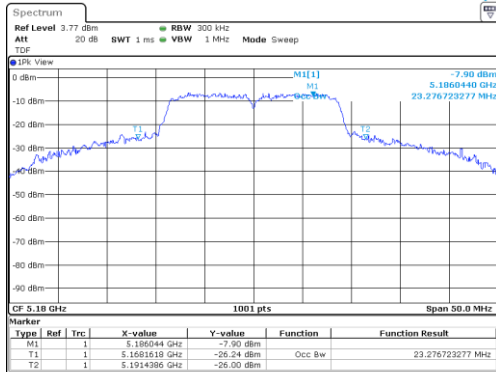
UNII-3 / 802.11a / 5 785 MHz



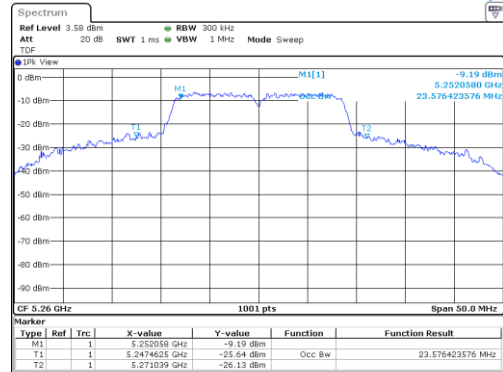
UNII-2C / 802.11a / 5 700 MHz



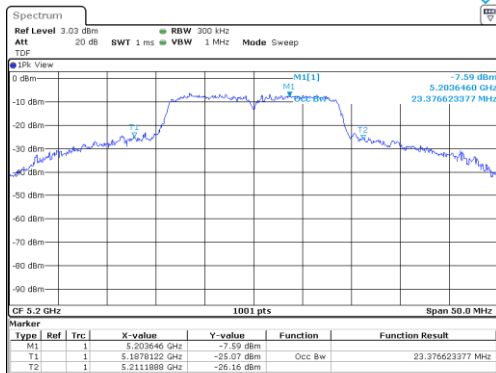
UNII-3 / 802.11a / 5 825 MHz



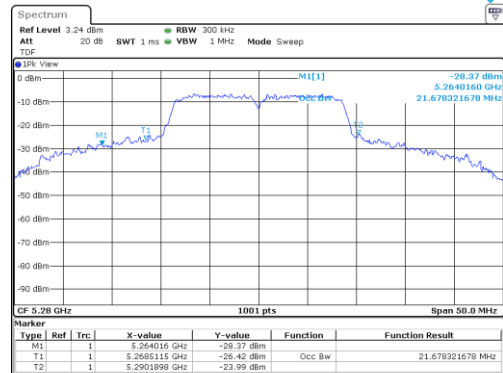
UNII-1 / 802.11n(HT20) / 5 180 MHz



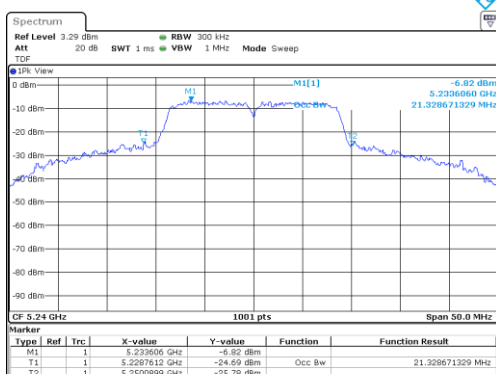
UNII-2A / 802.11n(HT20) / 5 260 MHz



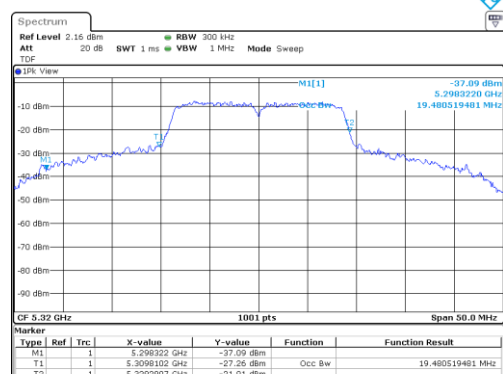
UNII-1 / 802.11n(HT20) / 5 200 MHz



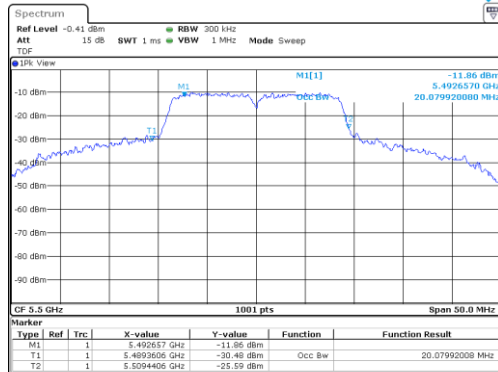
UNII-2A / 802.11n(HT20) / 5 280 MHz



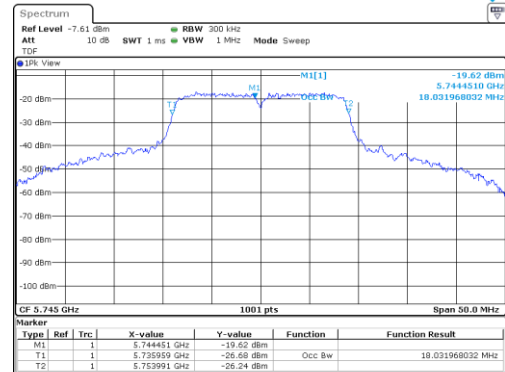
UNII-1 / 802.11n(HT20) / 5 240 MHz



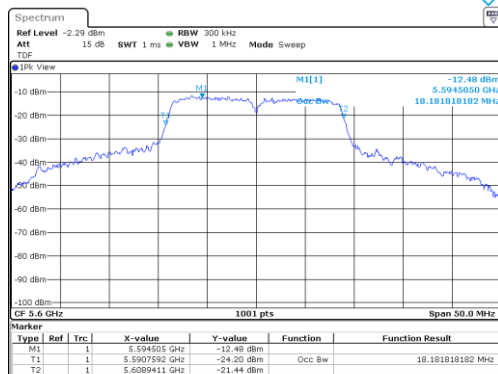
UNII-2A / 802.11n(HT20) / 5 320 MHz



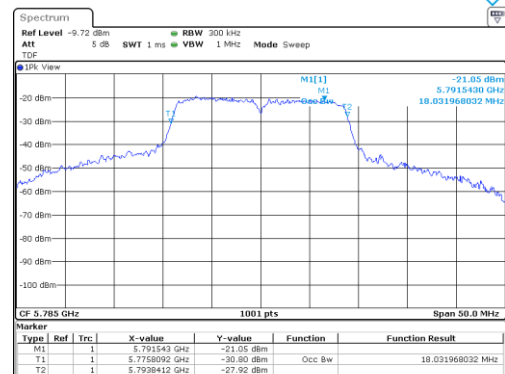
UNII-2C / 802.11n(HT20)/ 5 500 MHz



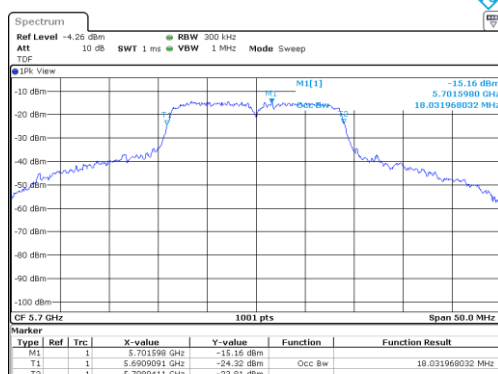
UNII-3 / 802.11n(HT20)/ 5 745 MHz



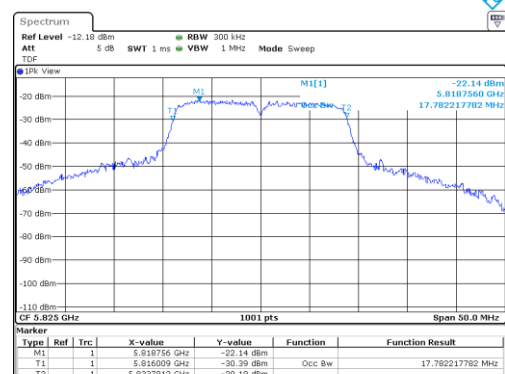
UNII-2C / 802.11n(HT20)/ 5 600 MHz



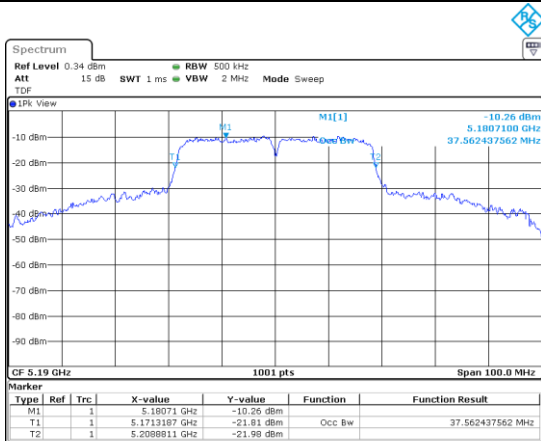
UNII-3 / 802.11n(HT20)/ 5 785 MHz



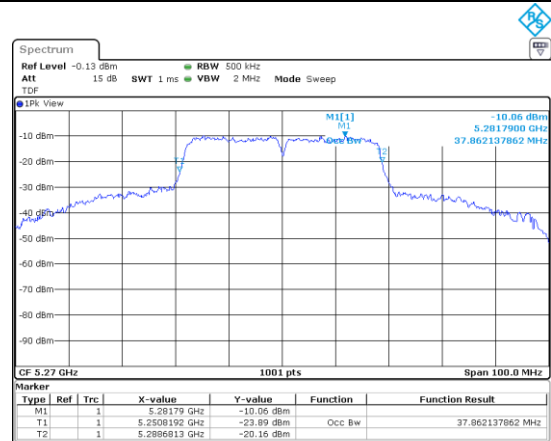
UNII-2C / 802.11n(HT20)/ 5 700 MHz



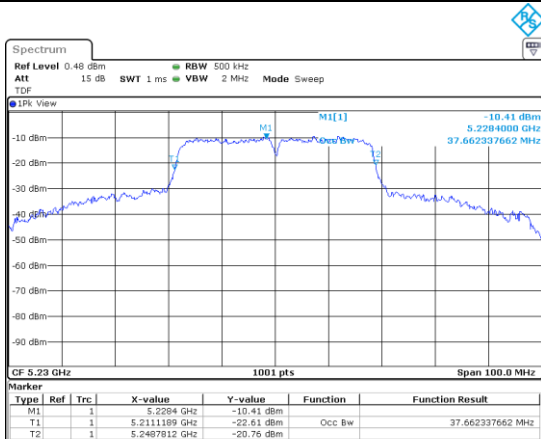
UNII-3 / 802.11n(HT20)/ 5 825 MHz



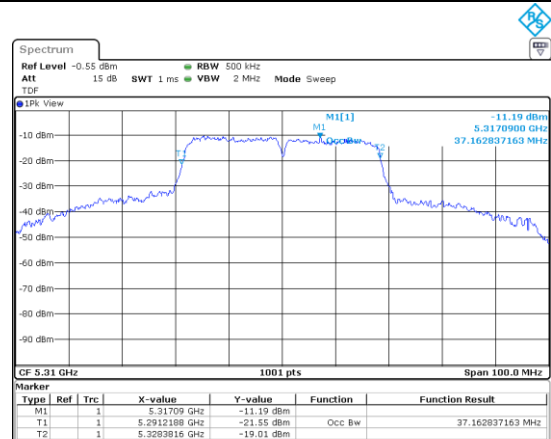
UNII-1 / 802.11n(HT40)/ 5 190 MHz



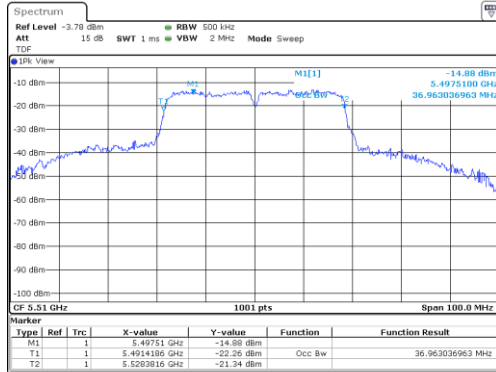
UNII-2A / 802.11n(HT40)/ 5 270 MHz



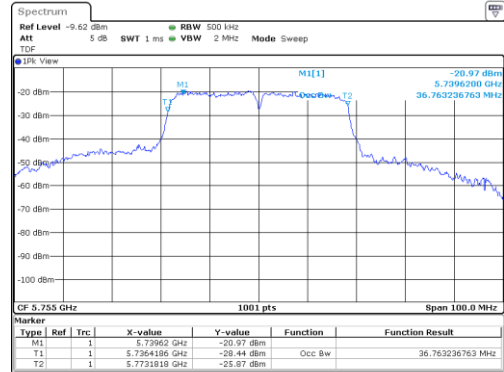
UNII-1 / 802.11n(HT40)/ 5 230 MHz



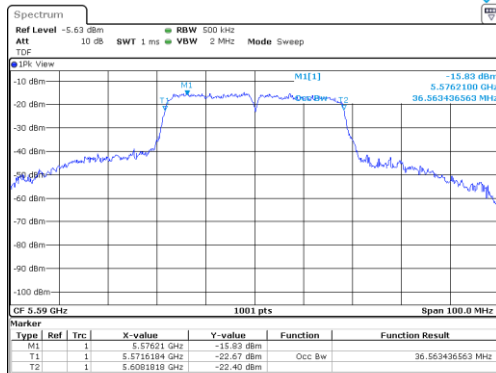
UNII-2A / 802.11n(HT40)/ 5 310 MHz



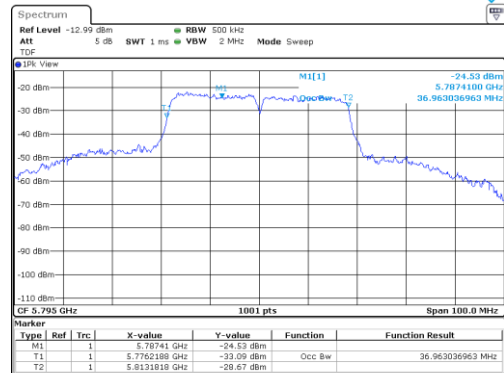
UNII-2C / 802.11n(HT40)/ 5 510 MHz



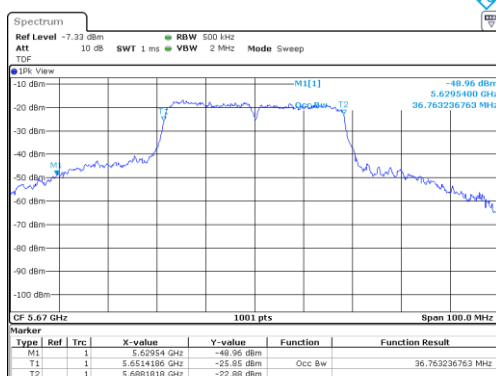
UNII-3 / 802.11n(HT40)/ 5 755 MHz



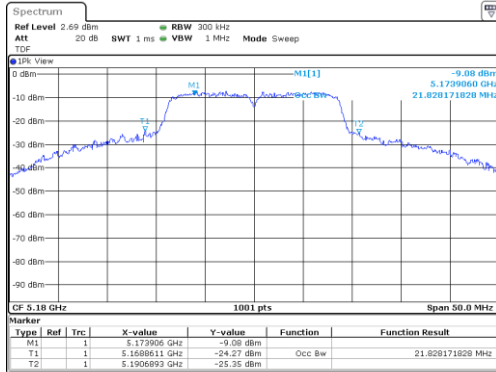
UNII-2C / 802.11n(HT40)/ 5 590 MHz



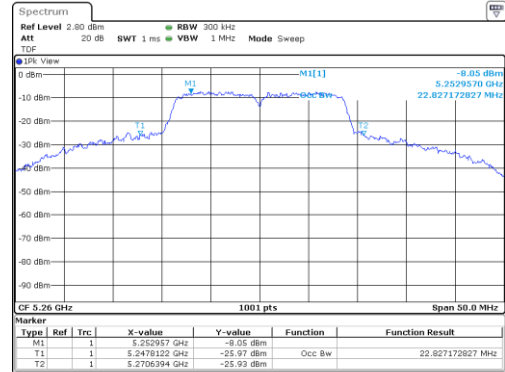
UNII-3 / 802.11n(HT40)/ 5 795 MHz



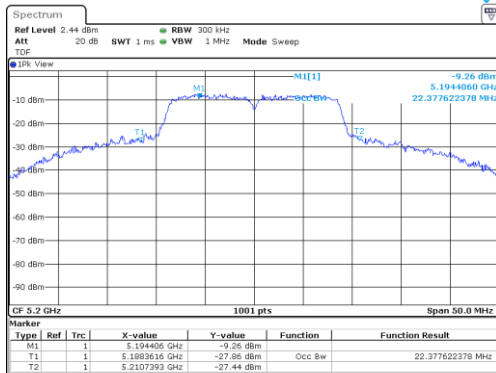
UNII-2C / 802.11n(HT40)/ 5 670 MHz



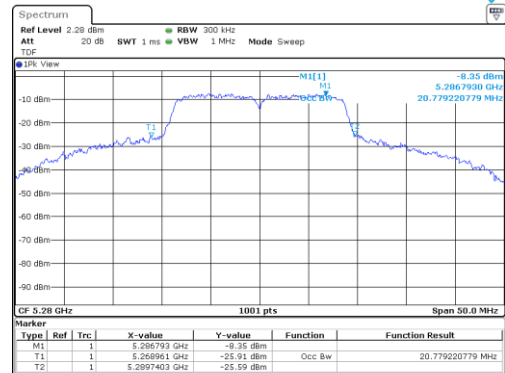
UNII-1 / 802.11ac(VHT20) / 5 180 MHz



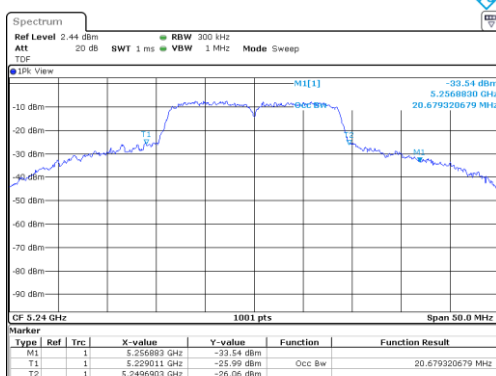
UNII-2A / 802.11ac(VHT20)/ 5 260 MHz



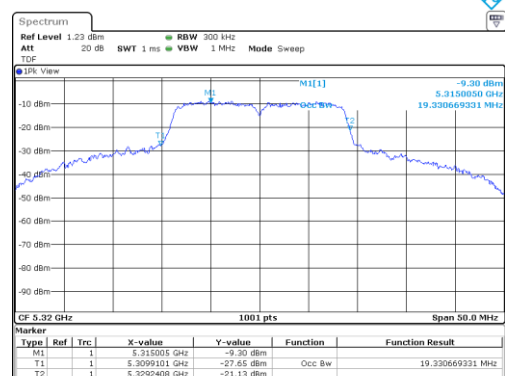
UNII-1 / 802.11ac(VHT20)/ 5 200 MHz



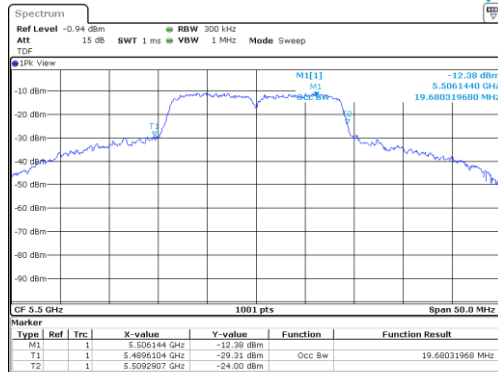
UNII-2A / 802.11ac(VHT20)/ 5 280 MHz



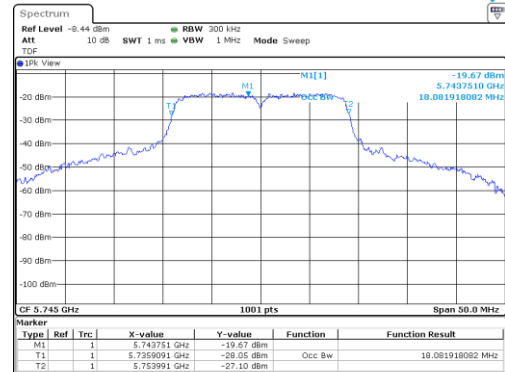
UNII-1 / 802.11ac(VHT20)/ 5 240 MHz



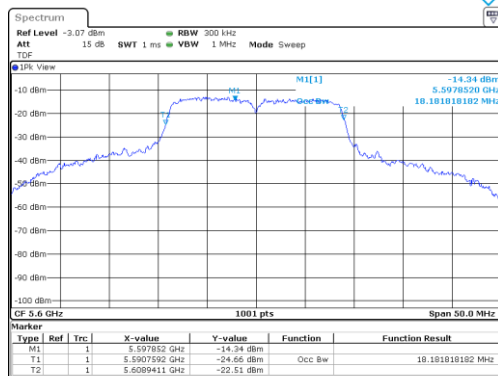
UNII-2A / 802.11ac(VHT20)/ 5 320 MHz



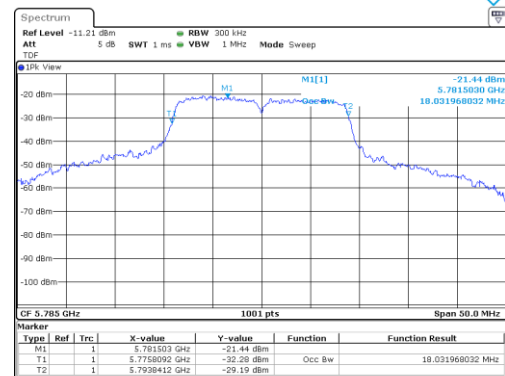
UNII-2C / 802.11ac(VHT20)/ 5 500 MHz



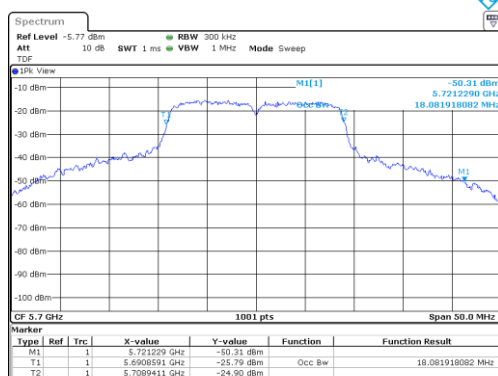
UNII-3 / 802.11ac(VHT20)/ 5 745 MHz



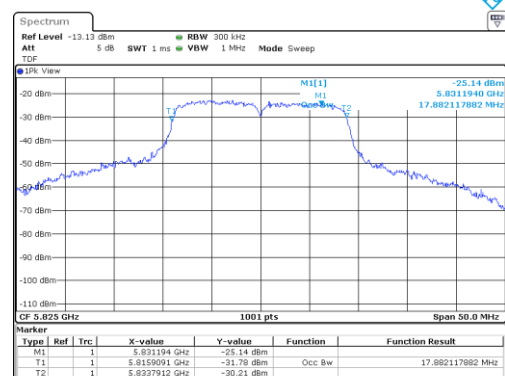
UNII-2C / 802.11ac(VHT20)/ 5 600 MHz



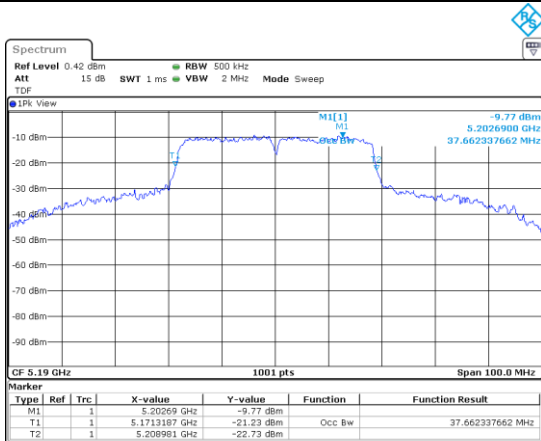
UNII-3 / 802.11ac(VHT20)/ 5 785 MHz



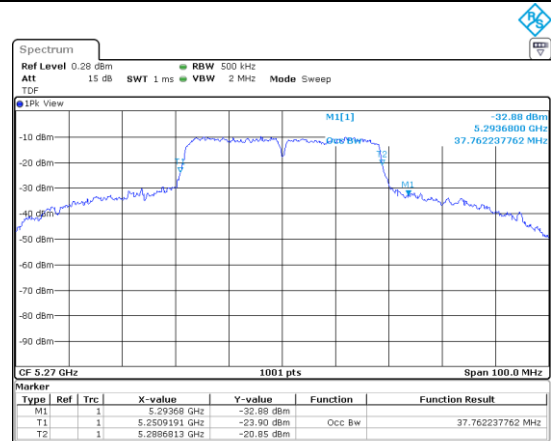
UNII-2C / 802.11ac(VHT20)/ 5 700 MHz



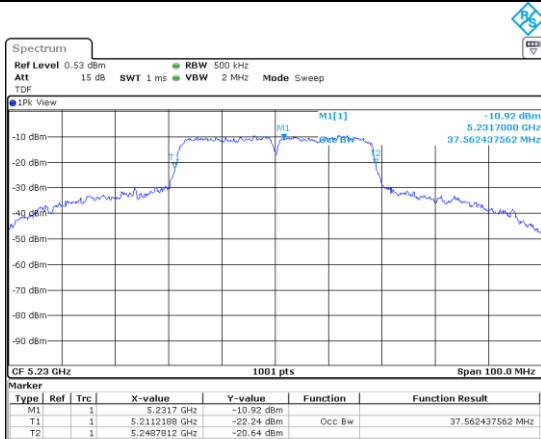
UNII-3 / 802.11ac(VHT20)/ 5 825 MHz



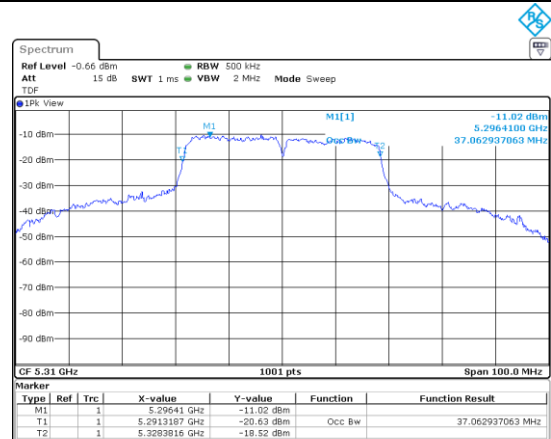
UNII-1 / 802.ac(VHT40)/ 5 190 MHz



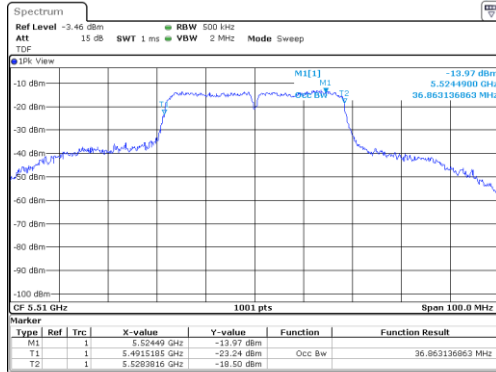
UNII-2A / 802.ac(VHT40)/ 5 270 MHz



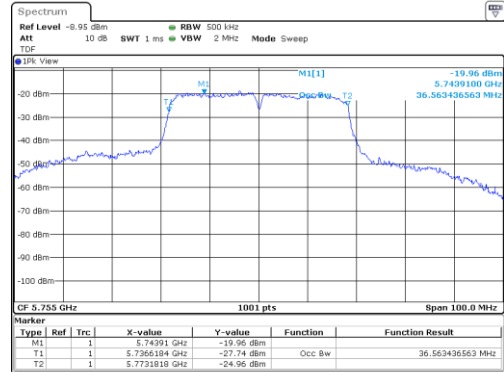
UNII-1 / 802.ac(VHT40)/ 5 230 MHz



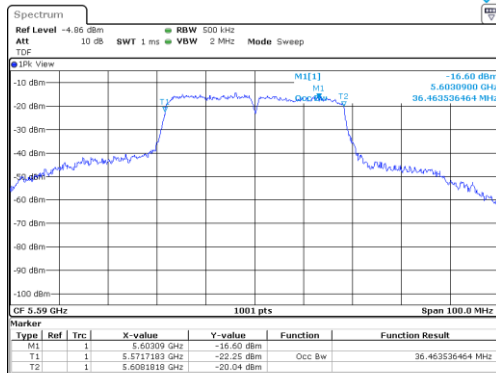
UNII-2A / 802.ac(VHT40)/ 5 310 MHz



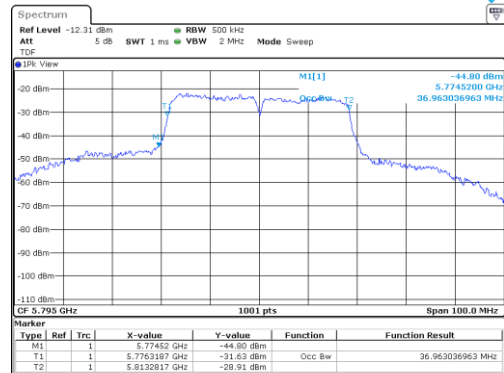
UNII-2C / 802.ac(VHT40)/ 5 510 MHz



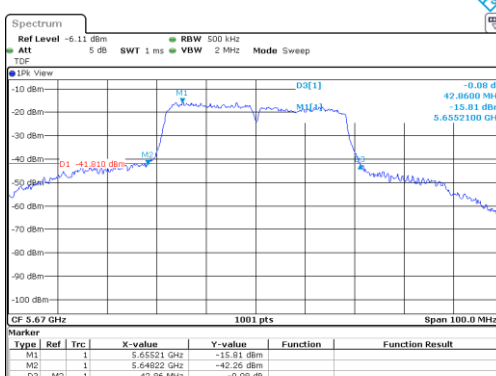
UNII-3 / 802.ac(VHT40)/ 5 755 MHz



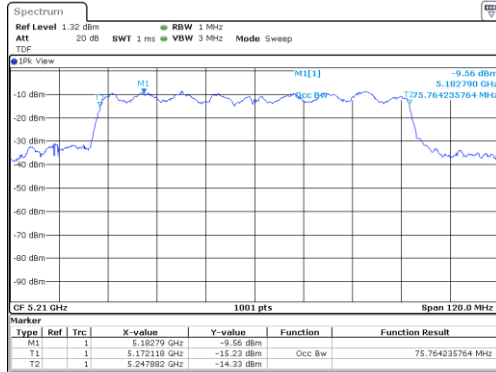
UNII-2C / 802.ac(VHT40)/ 5 590 MHz



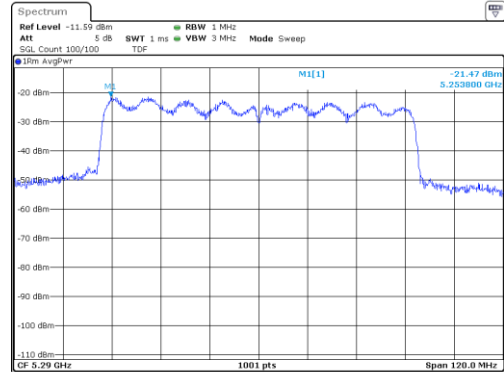
UNII-3 / 802.ac(VHT40)/ 5 795 MHz



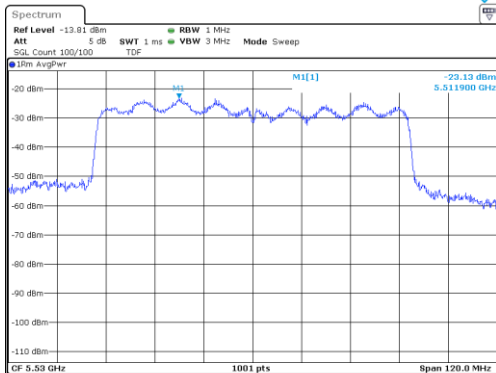
UNII-2C / 802.ac(VHT40)/ 5 670 MHz



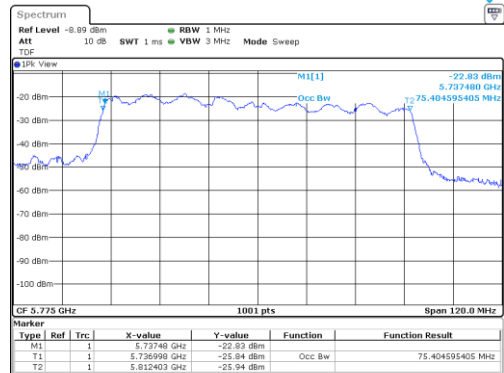
UNII-1 / 802.11ac(VHT80)/ 5 210 MHz



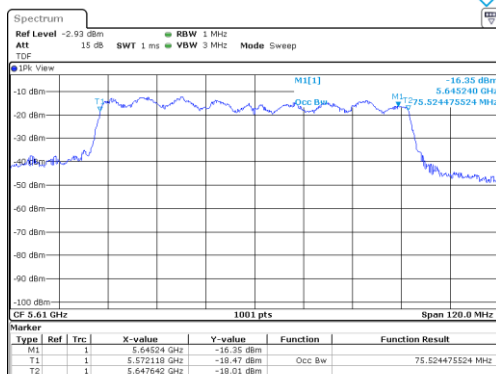
UNII-2A / 802.11ac(VHT80)/ 5 290 MHz



UNII-2C / 802.11ac(VHT80)/ 5 530 MHz



UNII-3 / 802.11ac(VHT80)/ 5 775 MHz



UNII-2C / 802.11ac(VHT80)/ 5 610 MHz



8. 6 dB Bandwidth

8.1 Operating environment

Temperature : 25 °C

Relative humidity : 46 %

8.2 Measurement method

Standard : §15.407(a)

8.3 Test Procedure

- ANSI C63.10-2013 Section 6.9.2
- KDB 789033 D02 v02r01 - Section C.2

Spectrum Analyzer

EUT

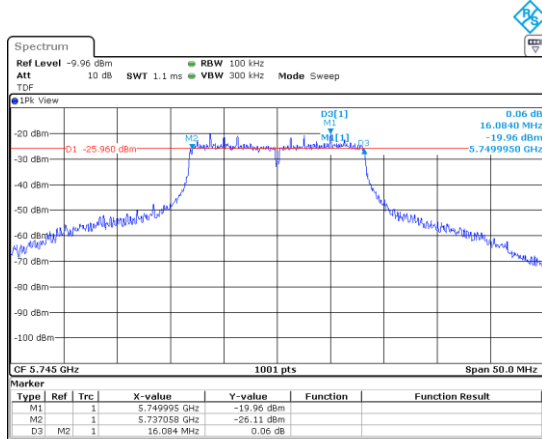


8.3.1 Measured Results for DC 12 V

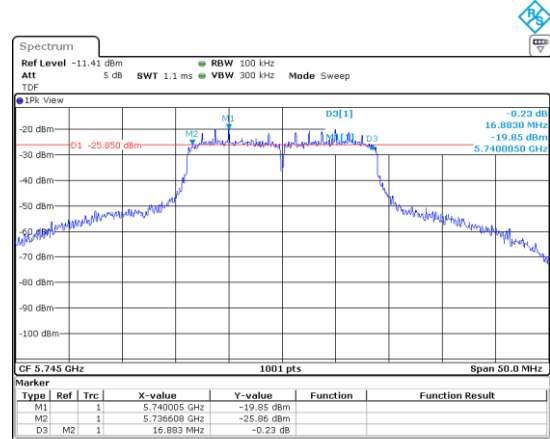
Modulation Type	Band	Frequency (MHz)	Measured Bandwidth (MHz)	Limit (MHz)
802.11a	UNII 3	5 745	16.080	at least 500 kHz
		5 785	16.130	
		5 825	16.180	
802.11n(HT20)	UNII 3	5 745	16.880	
		5 785	16.380	
		5 825	17.280	
802.11n(HT40)	UNII 3	5 755	35.460	
		5 795	35.460	
802.11ac(VHT20)	UNII 3	5 745	16.730	
		5 785	15.930	
		5 825	16.330	
802.11ac(VHT40)	UNII 3	5 755	35.260	
		5 795	35.260	
802.11ac(VHT80)	UNII 3	5 775	75.160	



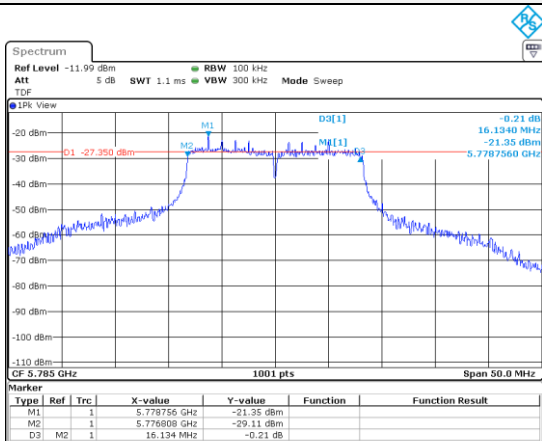
8.3.1.1 Measured Graph for Test Data



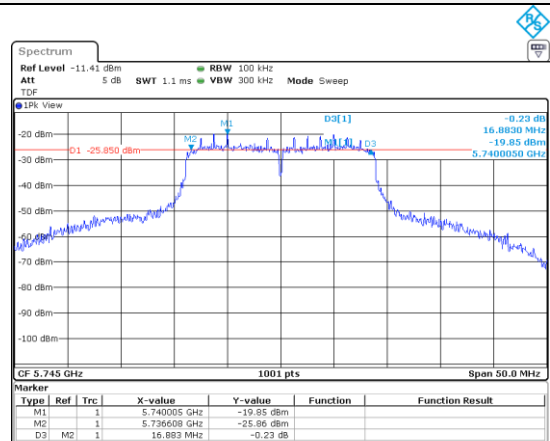
UNII-3 / 802.11a / 5 745 MHz



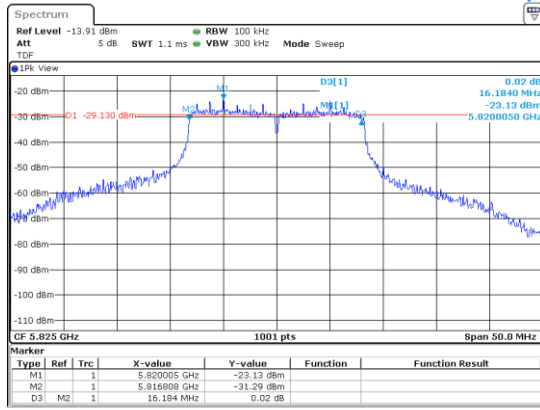
UNII-3 / 802.11n(HT20) / 5 745 MHz



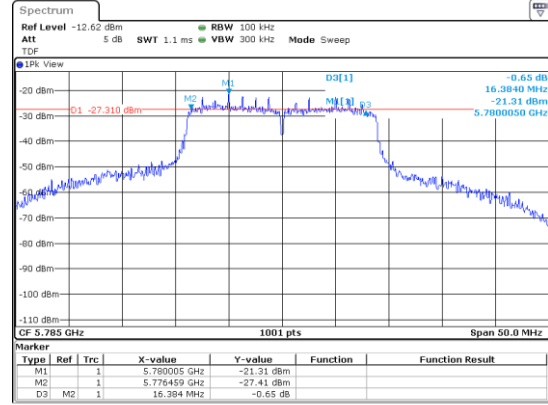
UNII-3 / 802.11a / 5 785 MHz



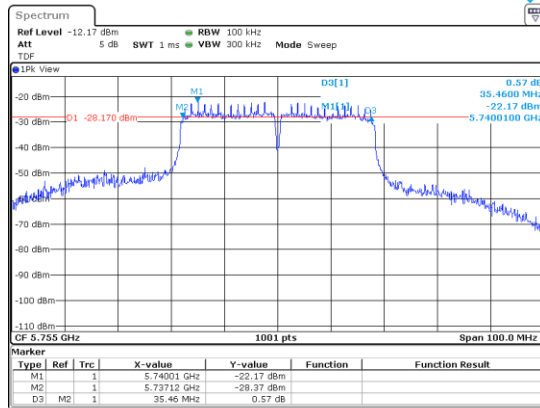
UNII-3 / 802.11n(HT20) / 5 745 MHz



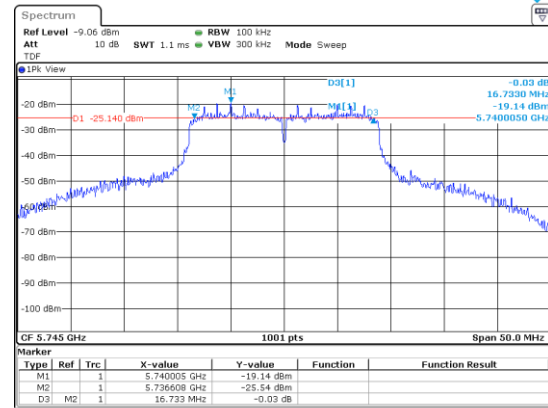
UNII-3 / 802.11a / 5 825 MHz



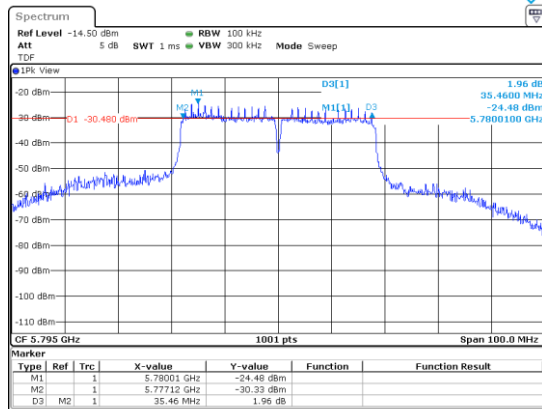
UNII-3 / 802.11n(HT20) / 5 785 MHz



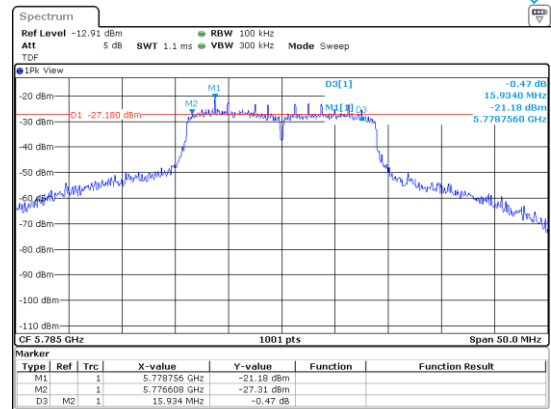
UNII-3 / 802.11n(HT40) / 5 755 MHz



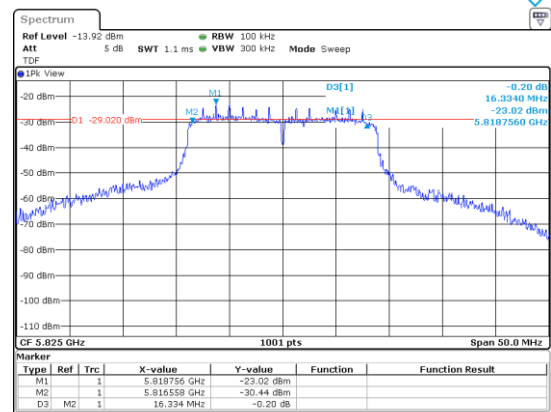
UNII-3 / 802.11ac(VHT20) / 5 745 MHz



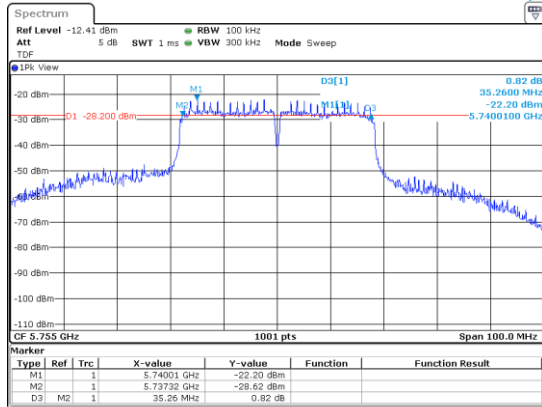
UNII-3 / 802.11n(HT40) / 5 795 MHz



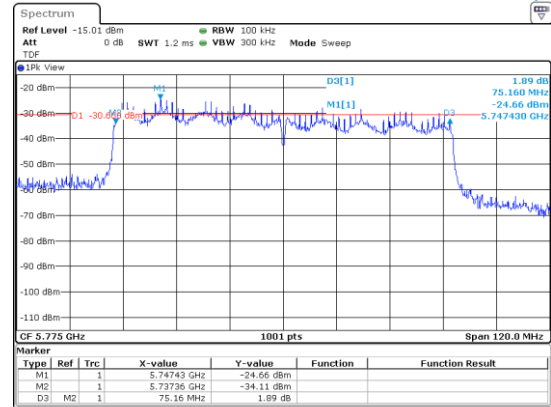
UNII-3 / 802.11ac(VHT20) / 5 785 MHz



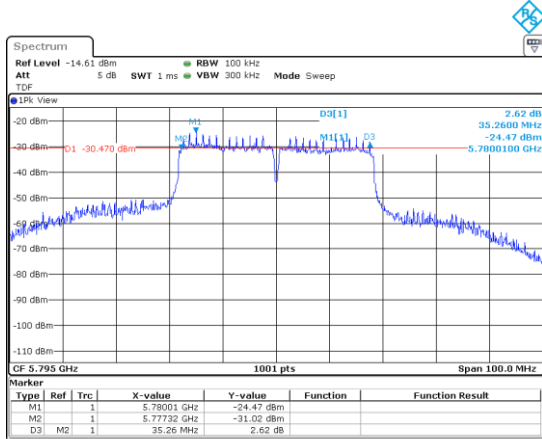
UNII-3 / 802.11ac(VHT20) / 5 825 MHz



UNII-3 / 802.11ac(VHT40) / 5 755 MHz



UNII-3 / 802.11ac(VHT80) / 5 775 MHz



UNII-3 / 802.11ac(VHT40) / 5 795 MHz