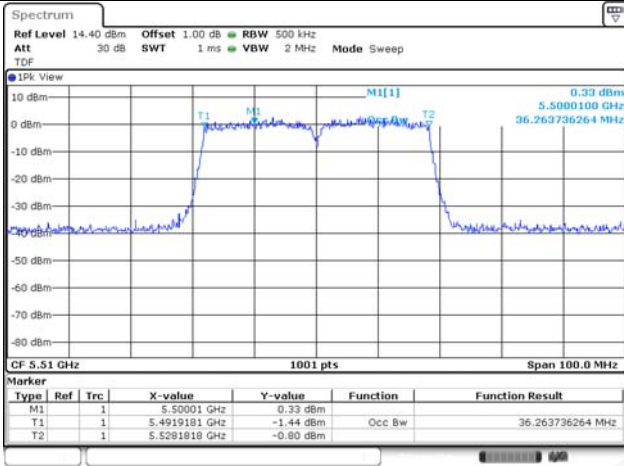
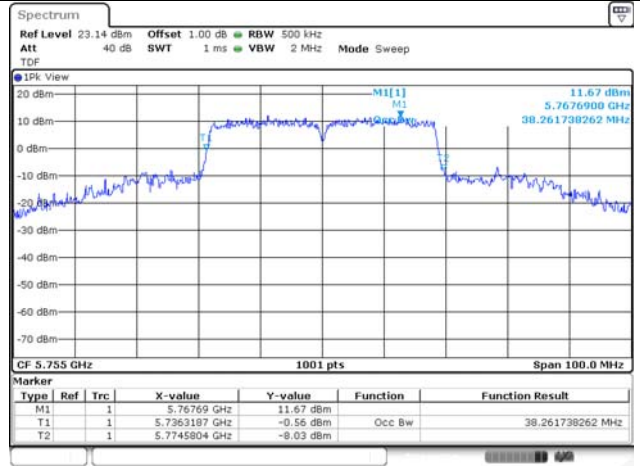


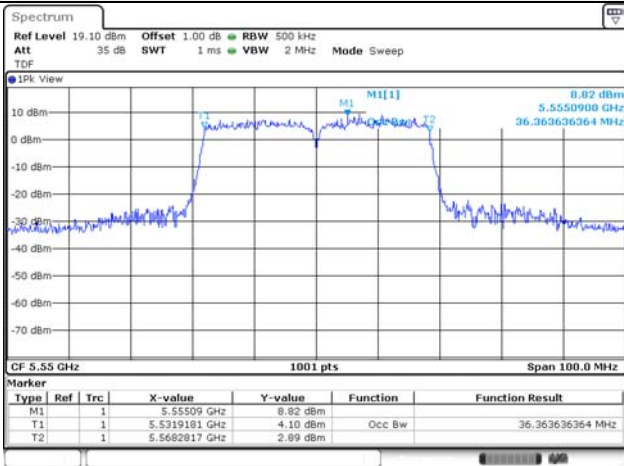
**UNII-2C / 802.11n HT40 / 5 510 MHz**



**UNII-3 / 802.11n HT40 / 5 755 MHz**



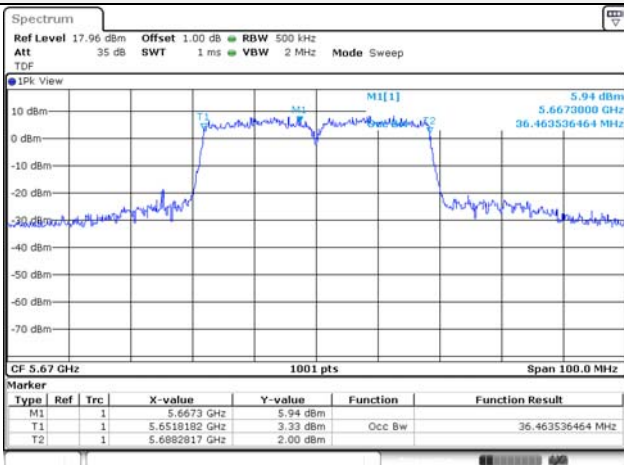
**UNII-2C / 802.11n HT40 / 5 550 MHz**



**UNII-3 / 802.11n HT40 / 5 795 MHz**

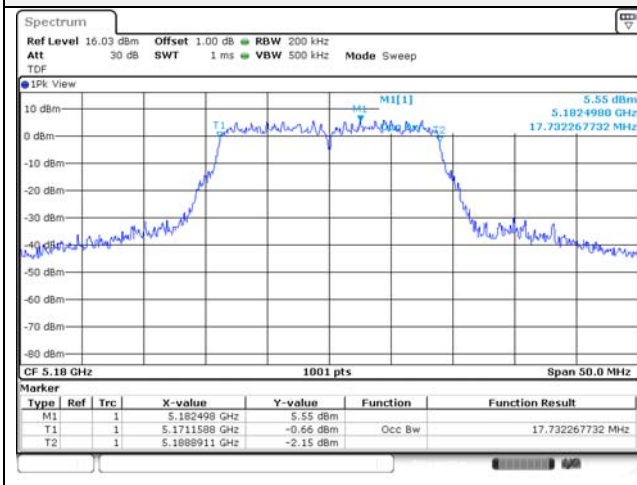


**UNII-2C / 802.11n HT40 / 5 670 MHz**

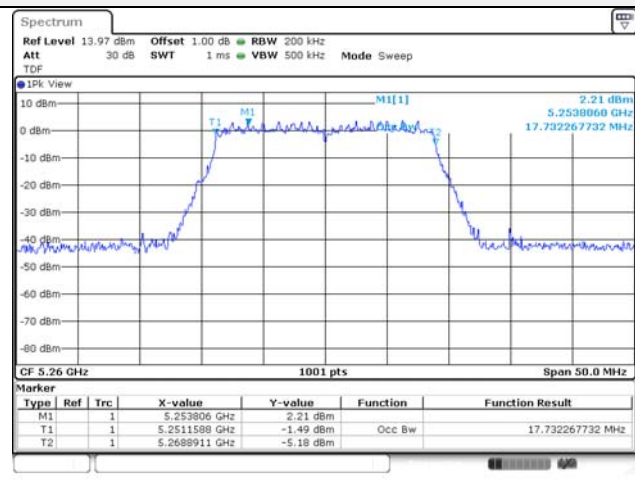


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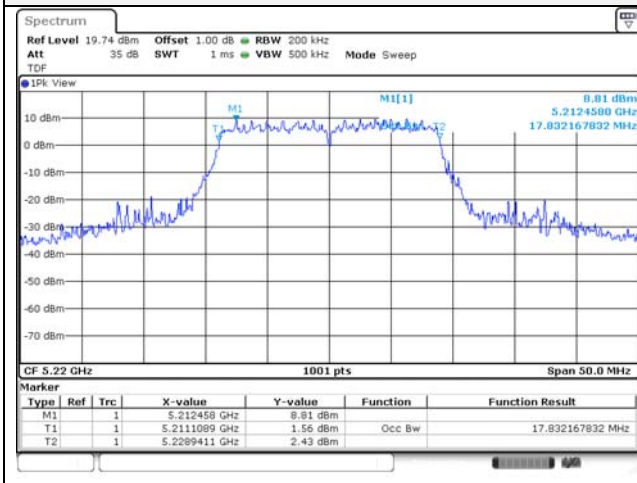
**UNII-1 / 802.11ac VHT20 / 5 180 MHz**



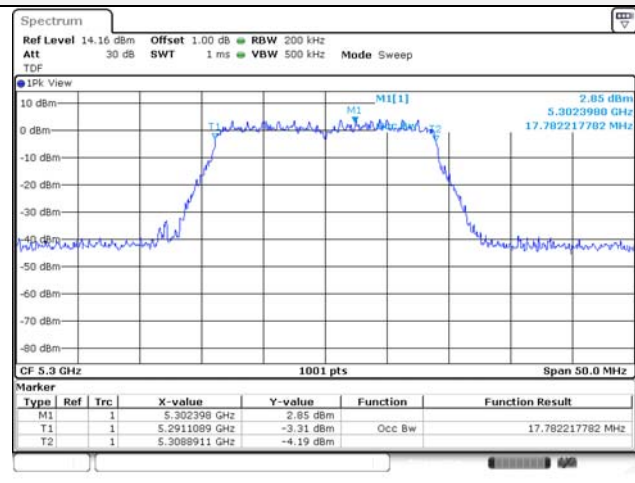
**UNII-2A / 802.11ac VHT20 / 5 260 MHz**



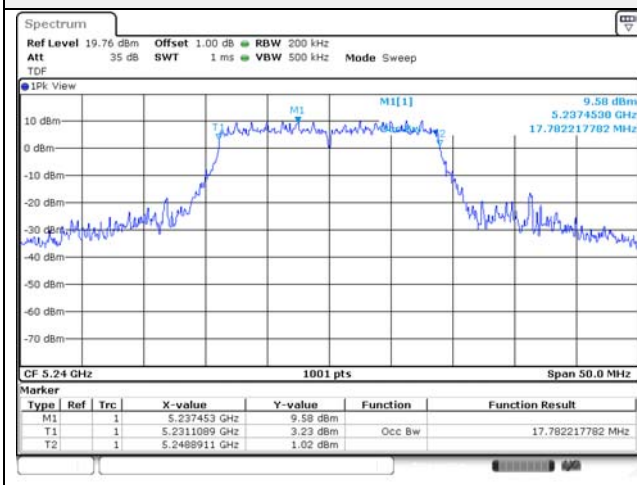
**UNII-1 / 802.11ac VHT20 / 5 220 MHz**



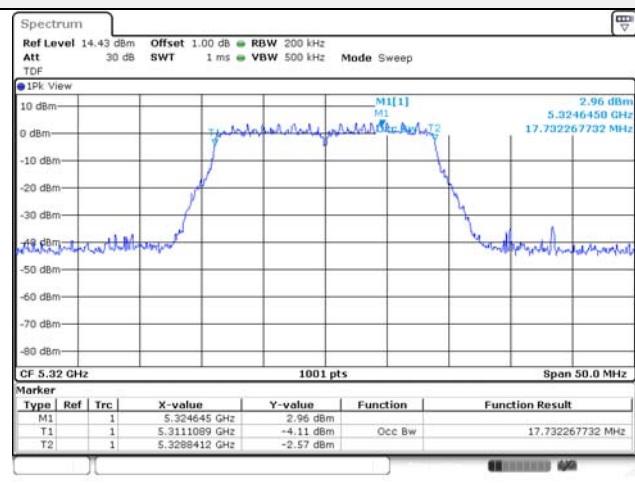
**UNII-2A / 802.11ac VHT20 / 5 300 MHz**



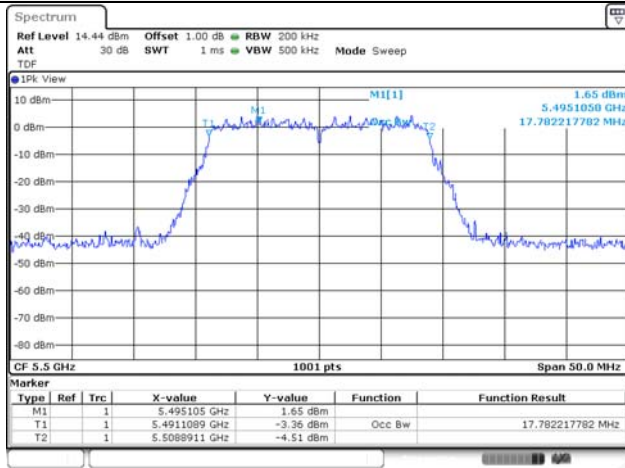
**UNII-1 / 802.11ac VHT20 / 5 240 MHz**



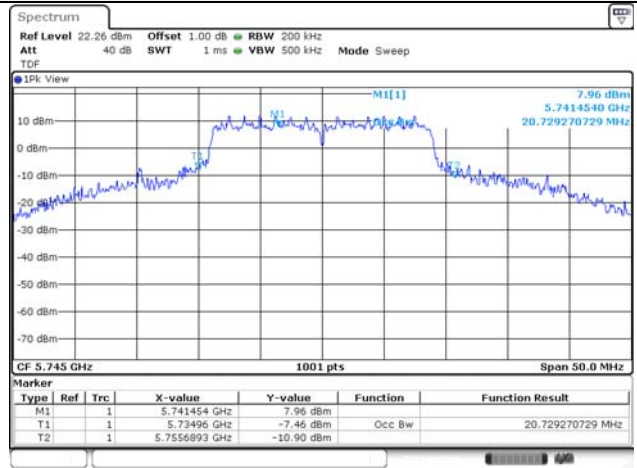
**UNII-2A / 802.11ac VHT20 / 5 320 MHz**



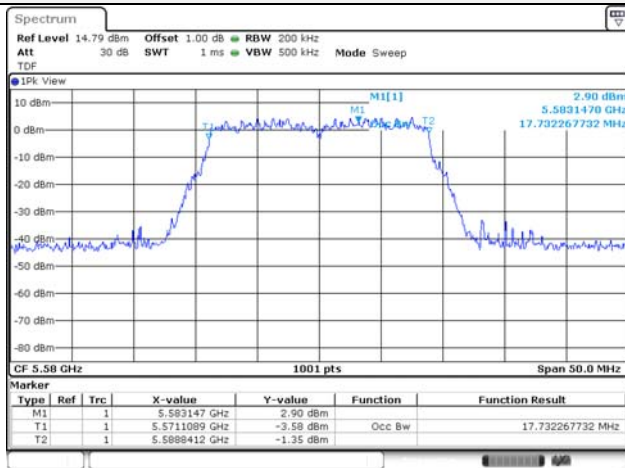
**UNII-2C / 802.11ac VHT20 / 5 500 MHz**



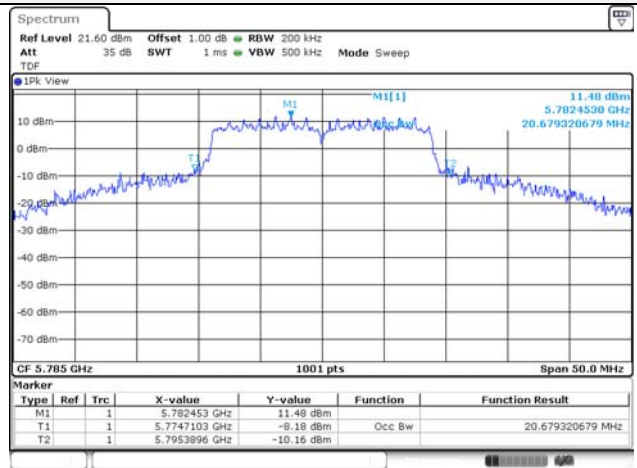
**UNII-3 / 802.11ac VHT20 / 5 745 MHz**



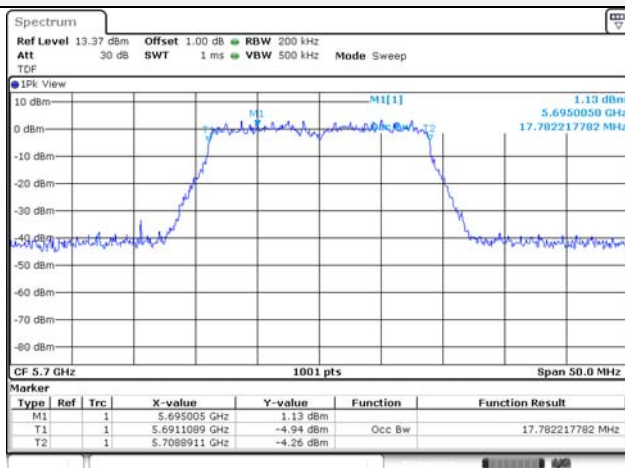
**UNII-2C / 802.11ac VHT20 / 5 580 MHz**



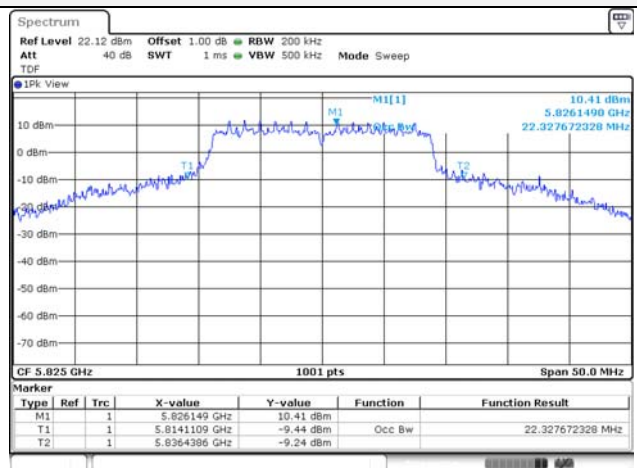
**UNII-3 / 802.11ac VHT20 / 5 785 MHz**



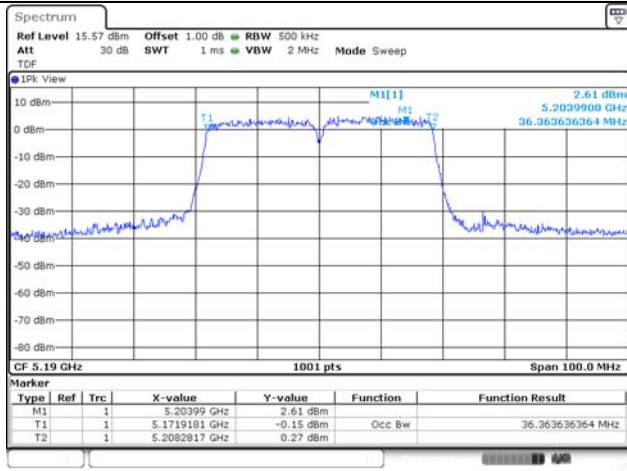
**UNII-2C / 802.11ac VHT20 / 5 700 MHz**



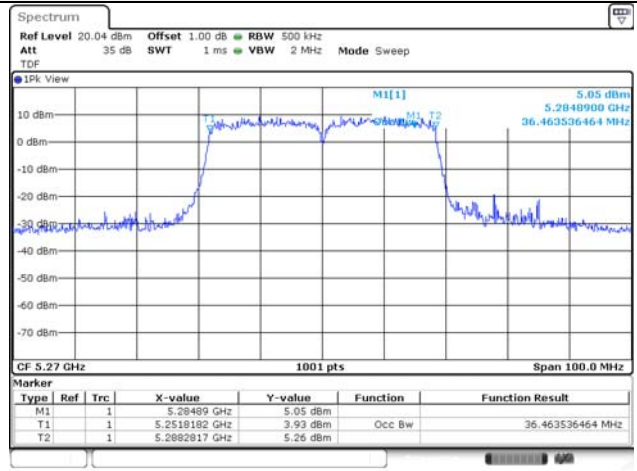
**UNII-3 / 802.11ac VHT20 / 5 825 MHz**



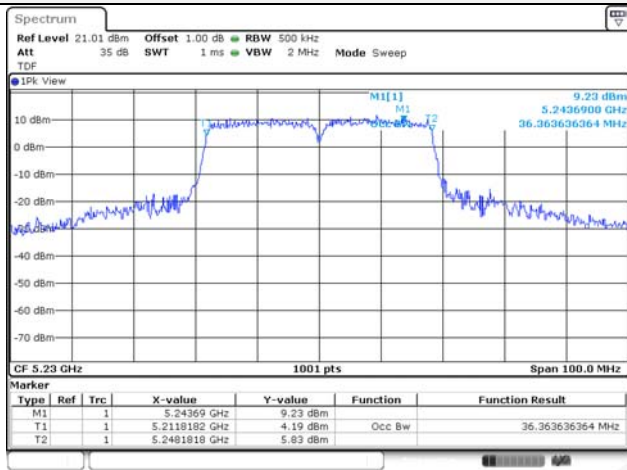
**UNII-1 / 802.11ac VHT40 / 5 190 MHz**



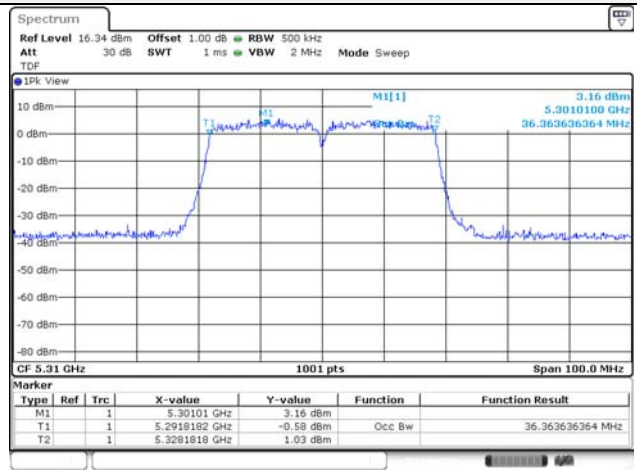
**UNII-2A / 802.11ac VHT40 / 5 270 MHz**



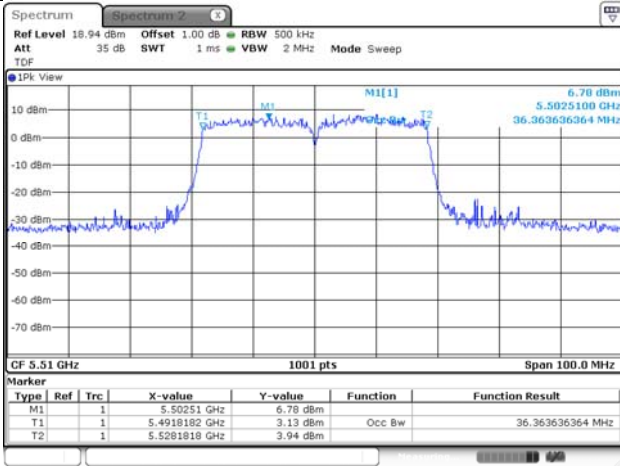
**UNII-1 / 802.11ac VHT40 / 5 230 MHz**



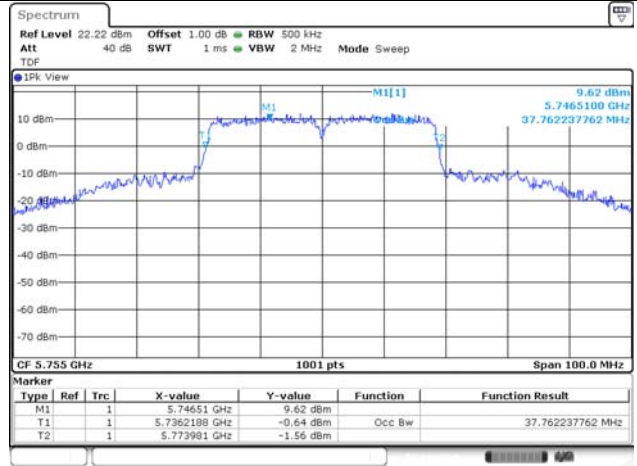
**UNII-2A / 802.11ac VHT40 / 5 310 MHz**



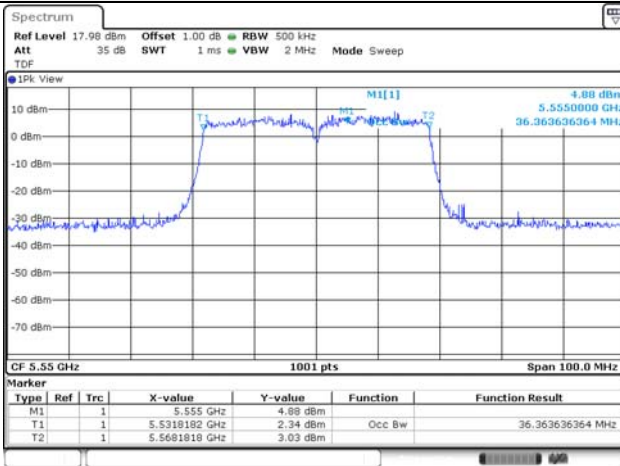
**UNII-2C / 802.11ac VHT40 / 5 510 MHz**



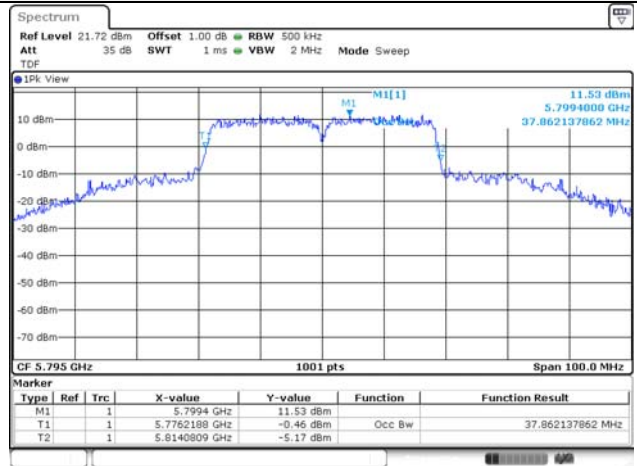
**UNII-3 / 802.11ac VHT40 / 5 755 MHz**



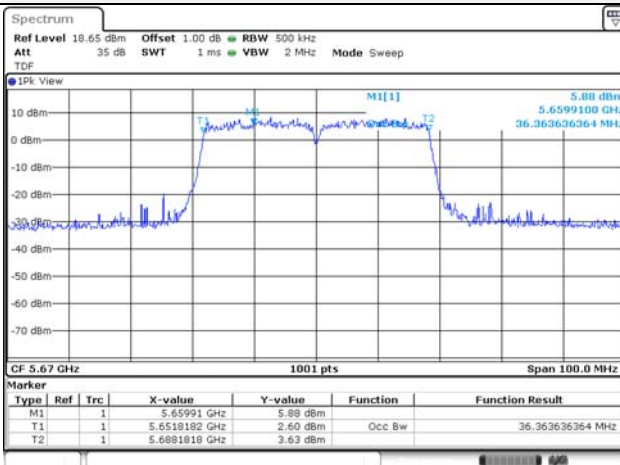
**UNII-2C / 802.11ac VHT40 / 5 550 MHz**



**UNII-3 / 802.11ac VHT40 / 5 795 MHz**

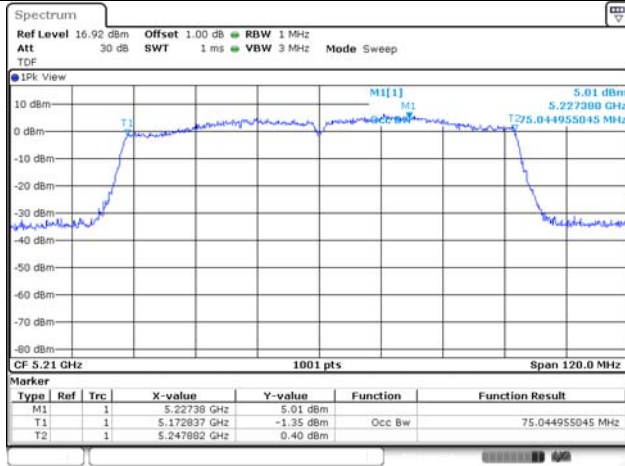


**UNII-2C / 802.11ac VHT40 / 5 670 MHz**

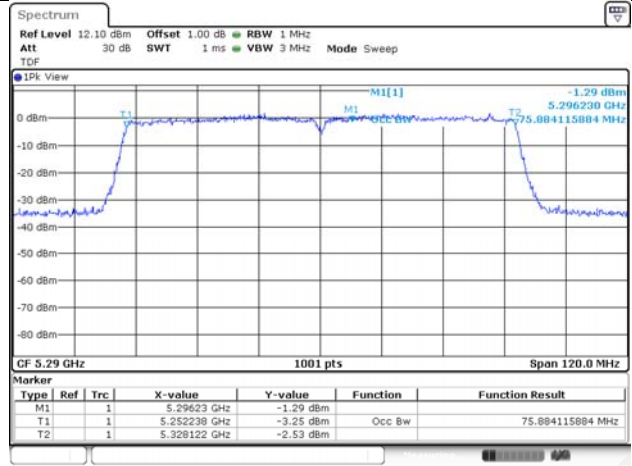


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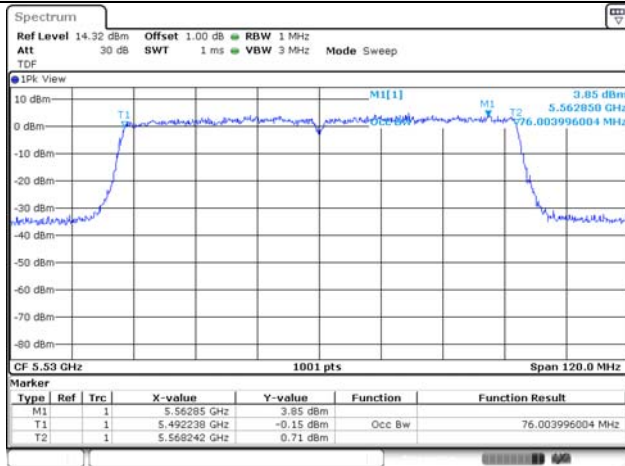
**UNII-1 / 802.11ac VHT80 / 5 210 MHz**



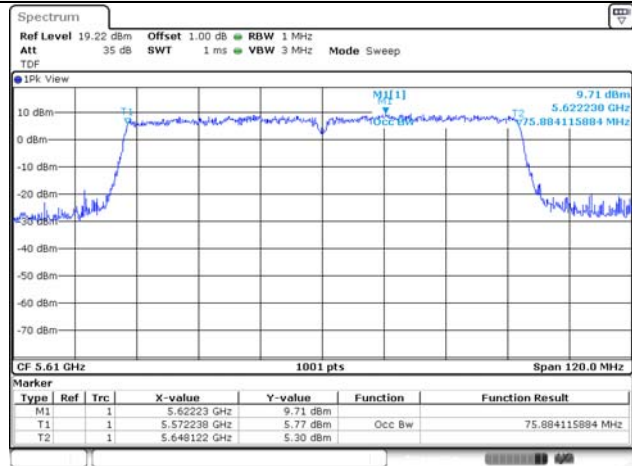
**UNII-2A / 802.11ac VHT80 / 5 290 MHz**



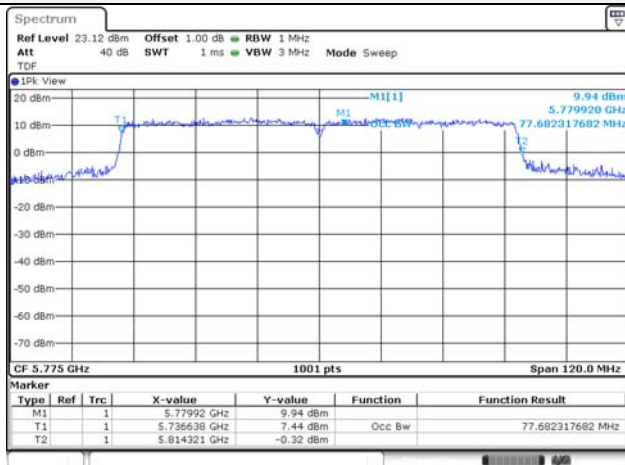
**UNII-2C / 802.11ac VHT80 / 5 530 MHz**



**UNII-2C / 802.11ac VHT80 / 5 610 MHz**

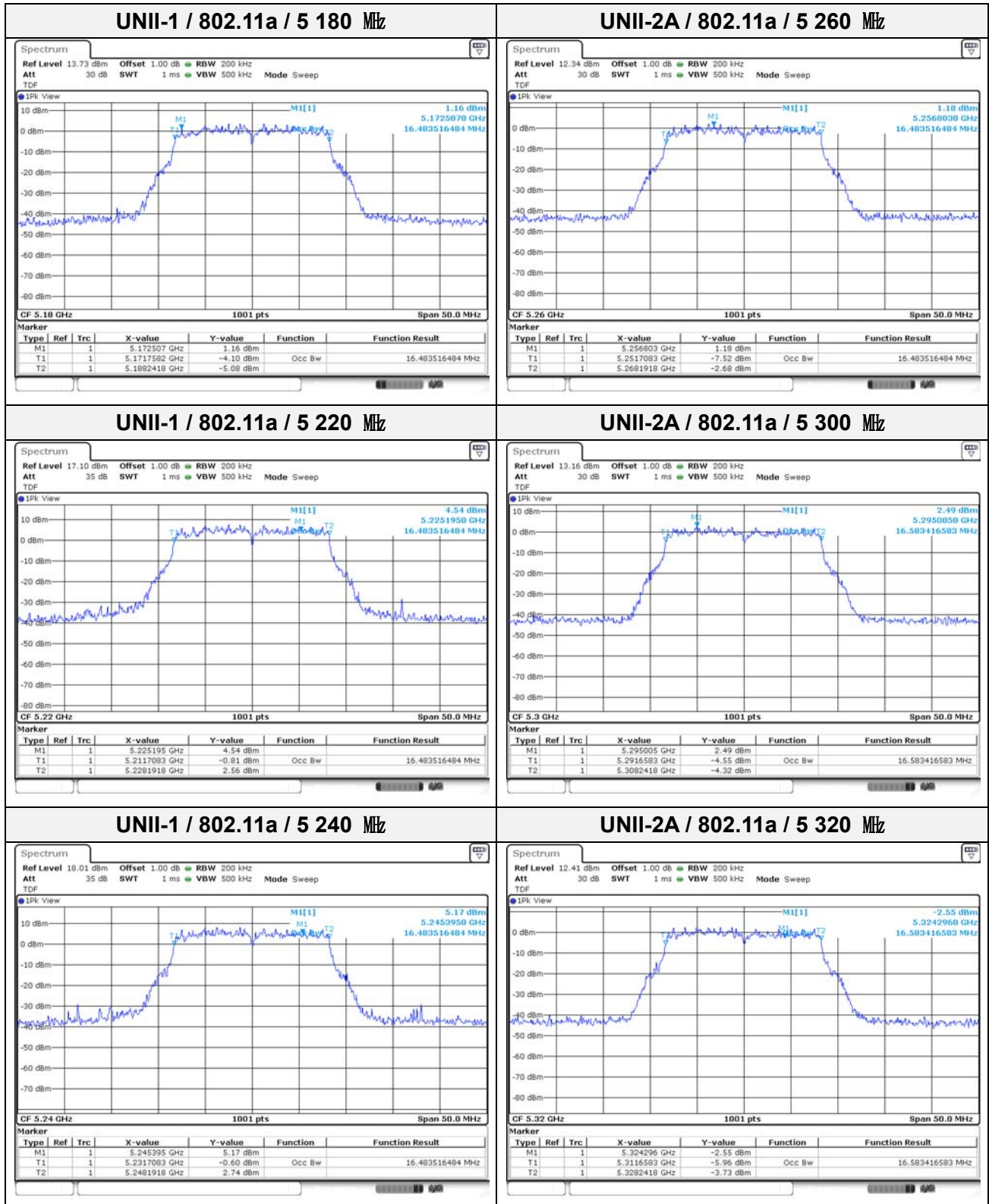


**UNII-3 / 802.11ac VHT80 / 5 775 MHz**

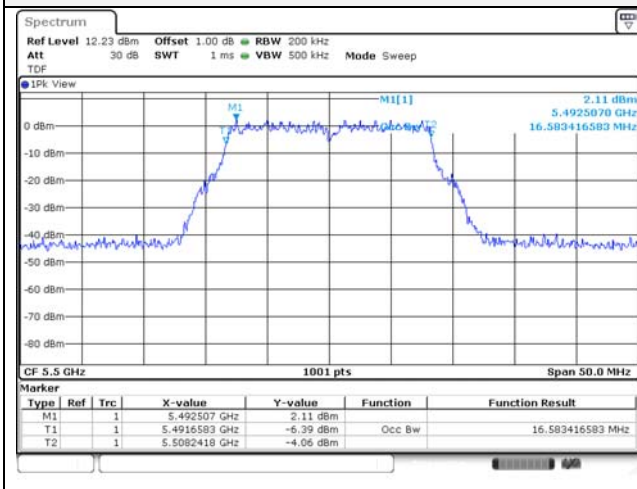


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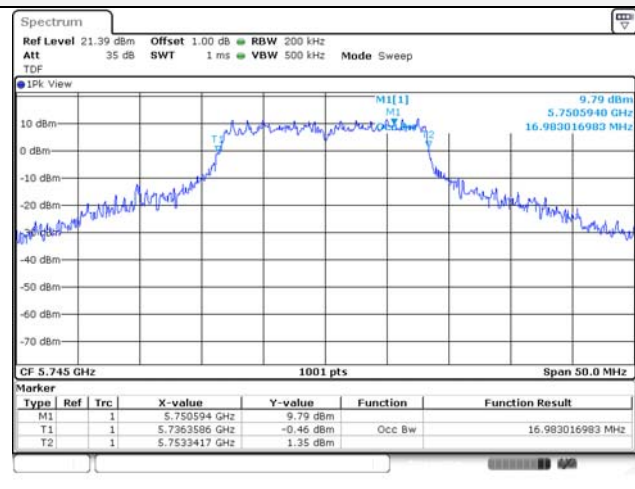
**MIMO ANT 2**



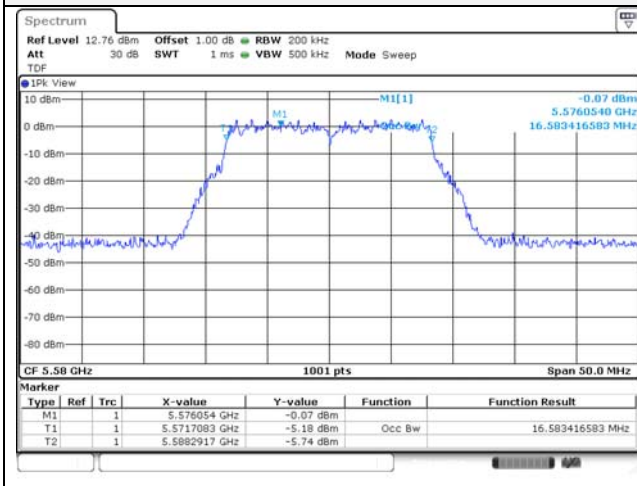
**UNII-2C / 802.11a / 5 500 MHz**



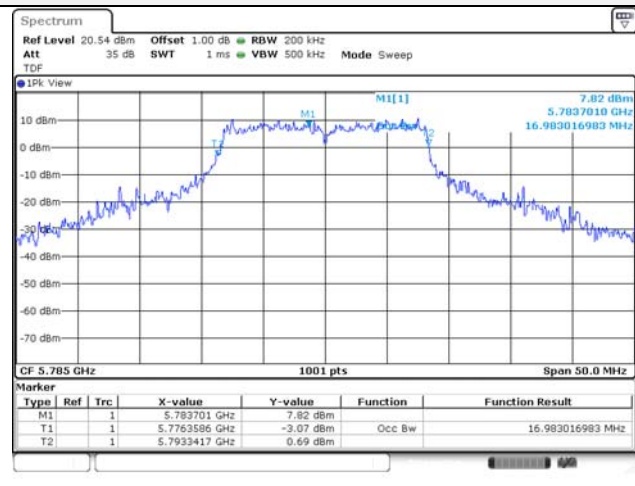
**UNII-3 / 802.11a / 5 745 MHz**



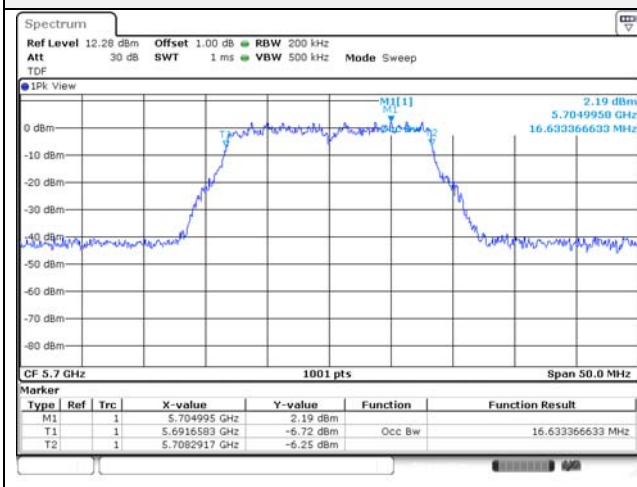
**UNII-2C / 802.11a / 5 580 MHz**



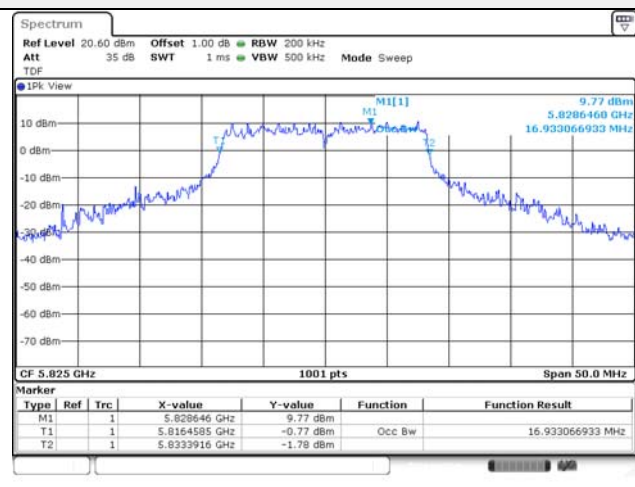
**UNII-3 / 802.11a / 5 785 MHz**



**UNII-2C / 802.11a / 5 700 MHz**

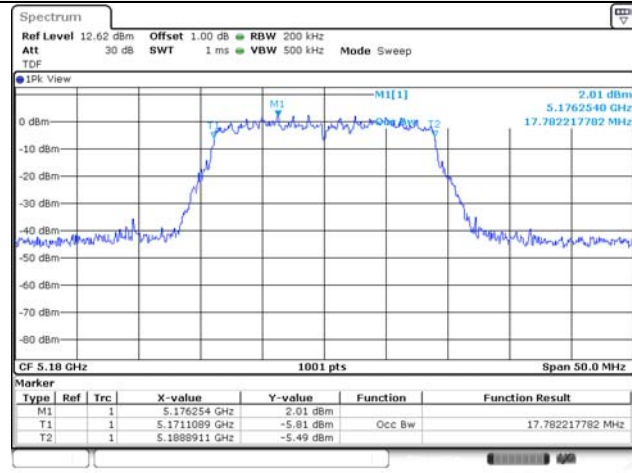


**UNII-3 / 802.11a / 5 825 MHz**

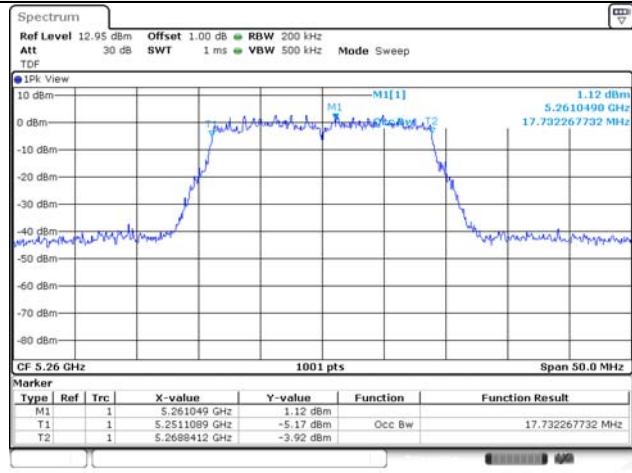




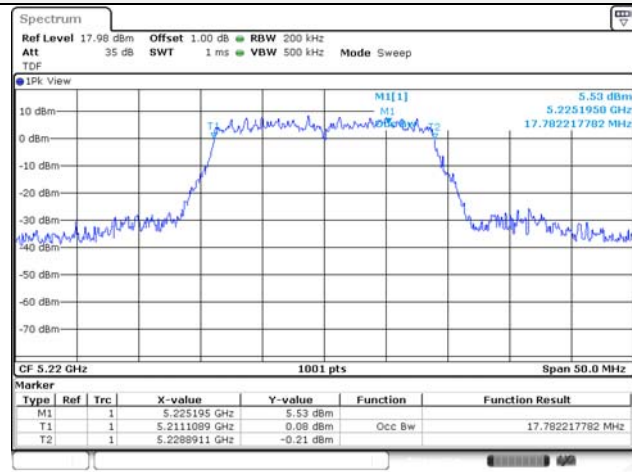
**UNII-1 / 802.11n HT20 / 5 180 MHz**



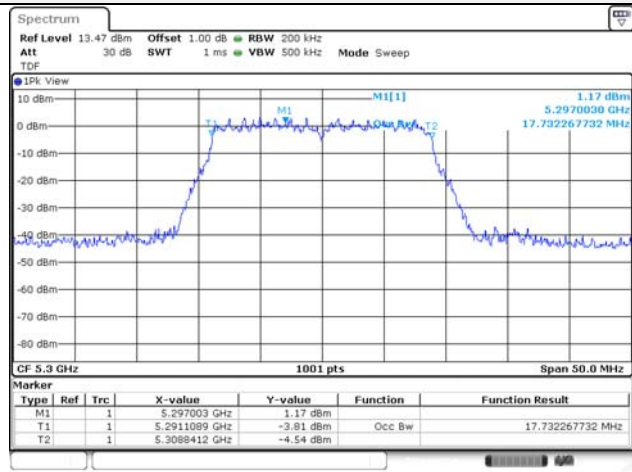
**UNII-2A / 802.11n HT20 / 5 260 MHz**



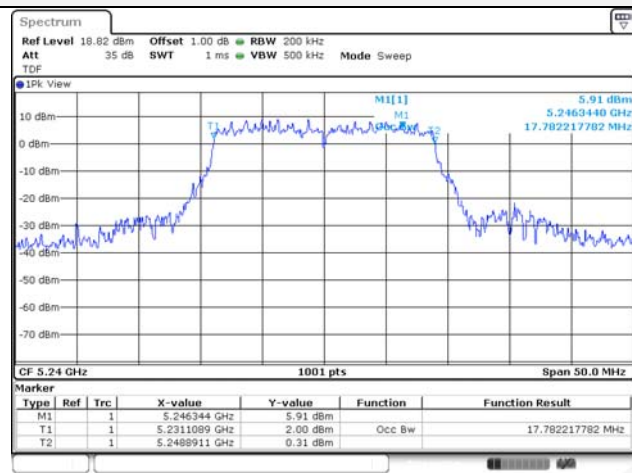
**UNII-1 / 802.11n HT20 / 5 220 MHz**



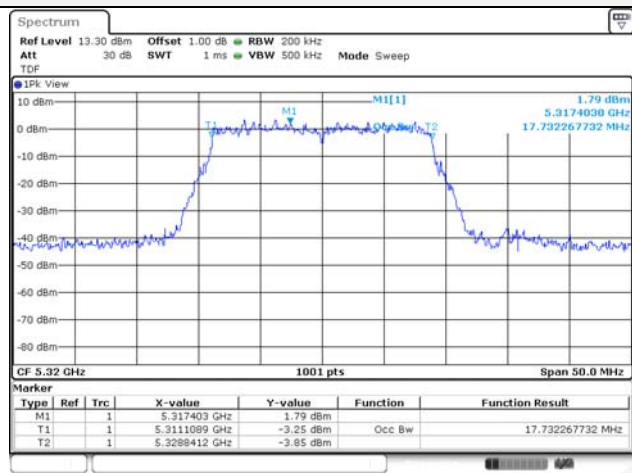
**UNII-2A / 802.11n HT20 / 5 300 MHz**



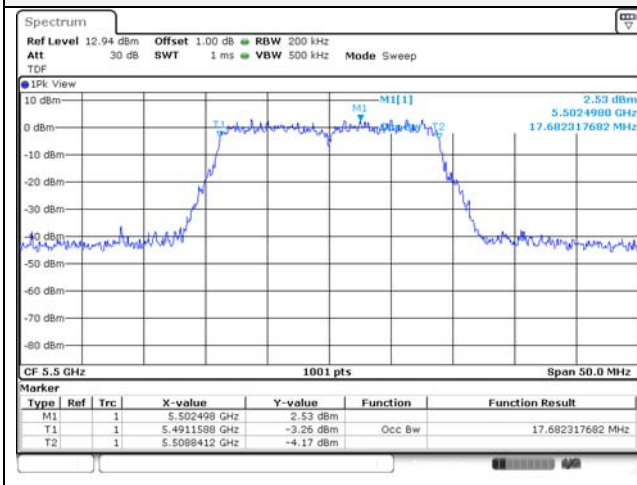
**UNII-1 / 802.11n HT20 / 5 240 MHz**



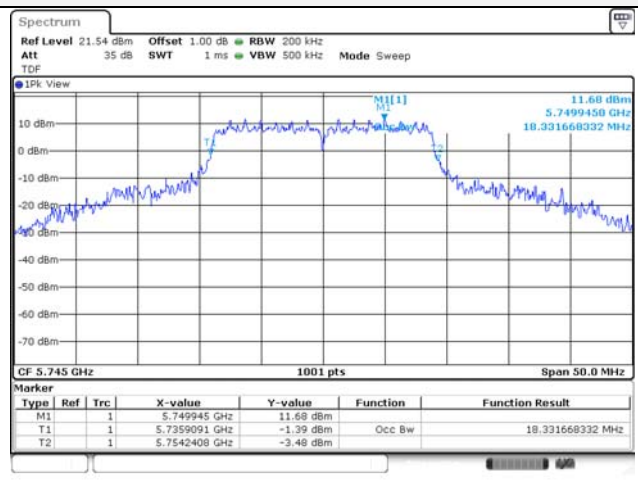
**UNII-2A / 802.11n HT20 / 5 320 MHz**



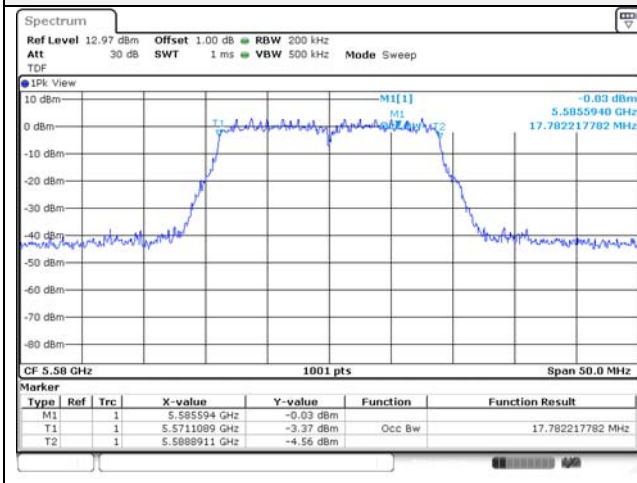
**UNII-2C / 802.11n HT20 / 5 500 MHz**



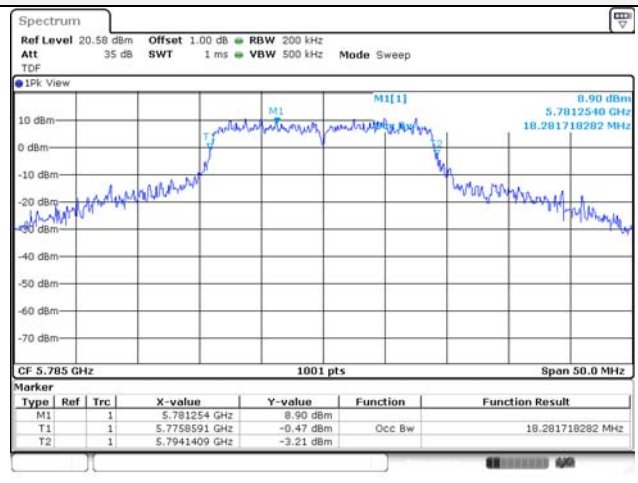
**UNII-3 / 802.11n HT20 / 5 745 MHz**



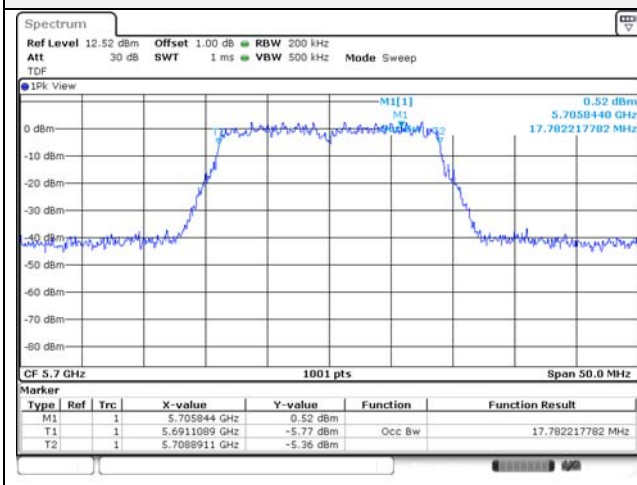
**UNII-2C / 802.11n HT20 / 5 600 MHz**



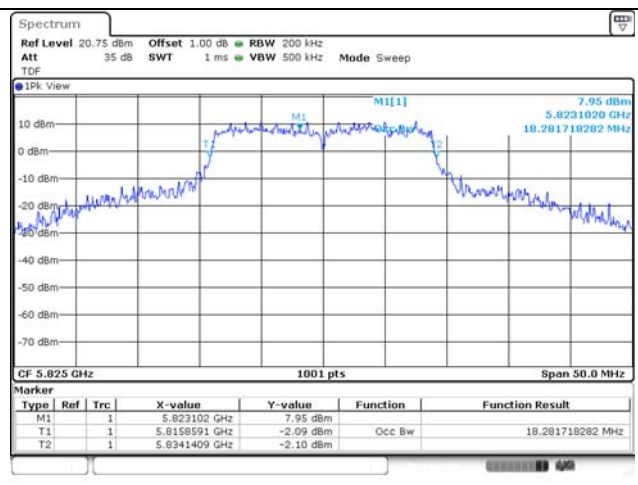
**UNII-3 / 802.11n HT20 / 5 785 MHz**



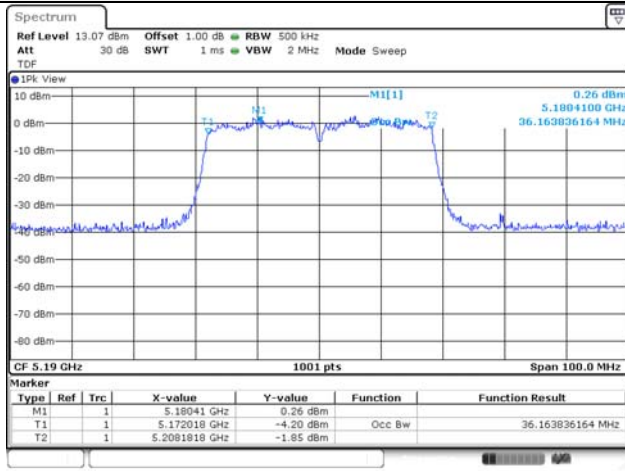
**UNII-2C / 802.11n HT20 / 5 700 MHz**



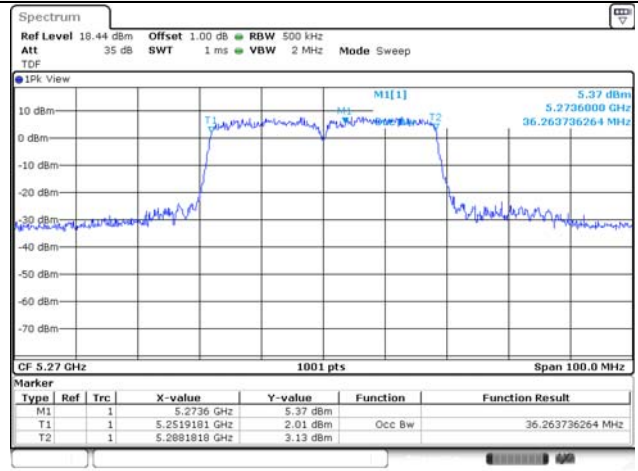
**UNII-3 / 802.11n HT20 / 5 825 MHz**



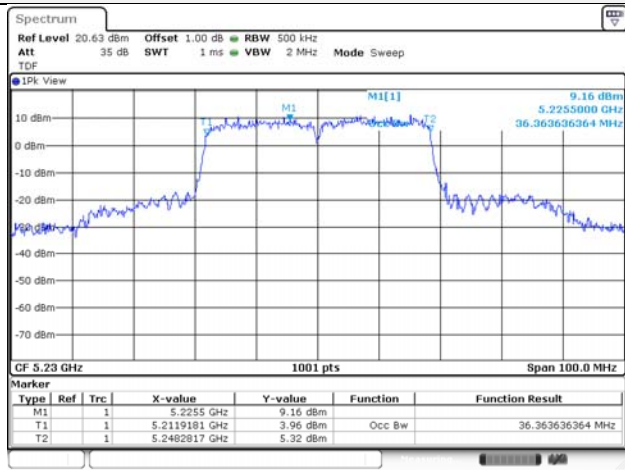
**UNII-1 / 802.11n HT40 / 5 190 MHz**



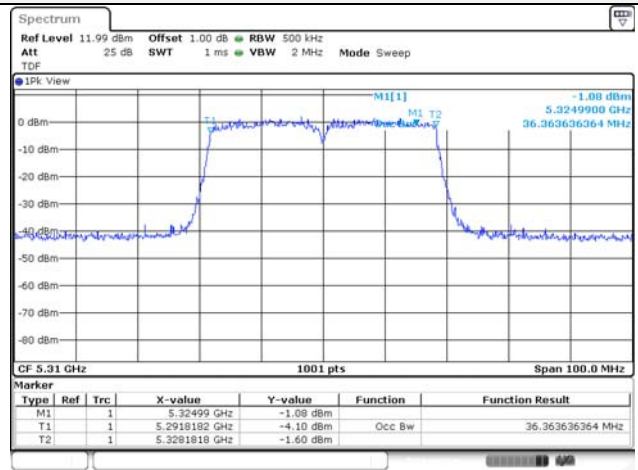
**UNII-2A / 802.11n HT40 / 5 270 MHz**



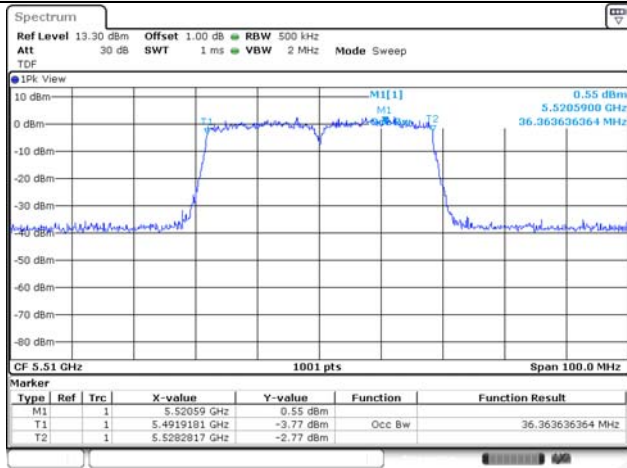
**UNII-1 / 802.11n HT40 / 5 230 MHz**



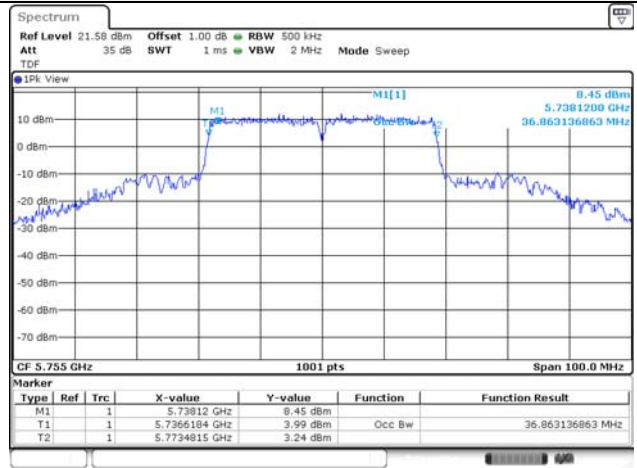
**UNII-2A / 802.11n HT40 / 5 310 MHz**



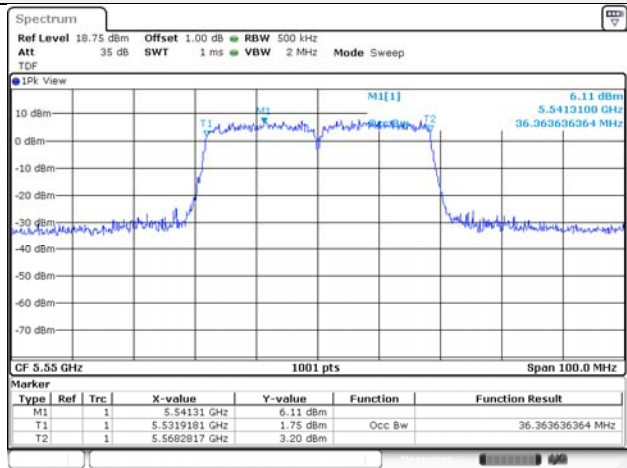
**UNII-2C / 802.11n HT40 / 5 510 MHz**



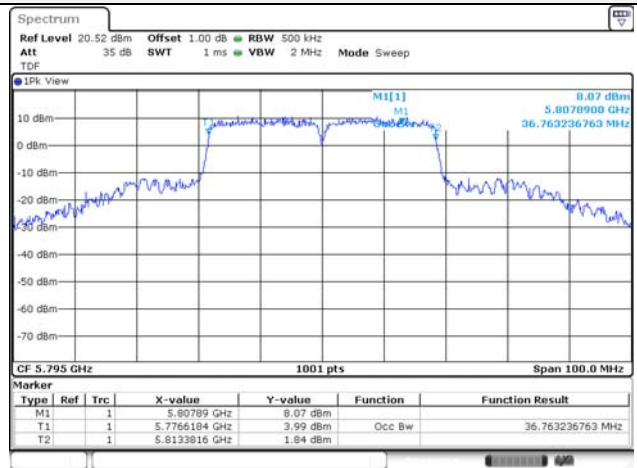
**UNII-3 / 802.11n HT40 / 5 755 MHz**



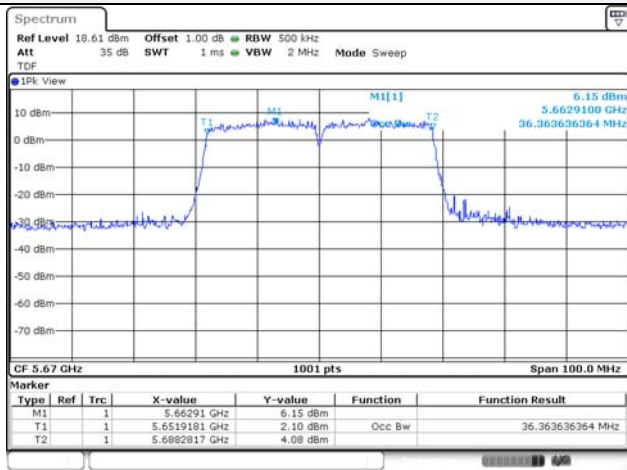
**UNII-2C / 802.11n HT40 / 5 590 MHz**



**UNII-3 / 802.11n HT40 / 5 795 MHz**

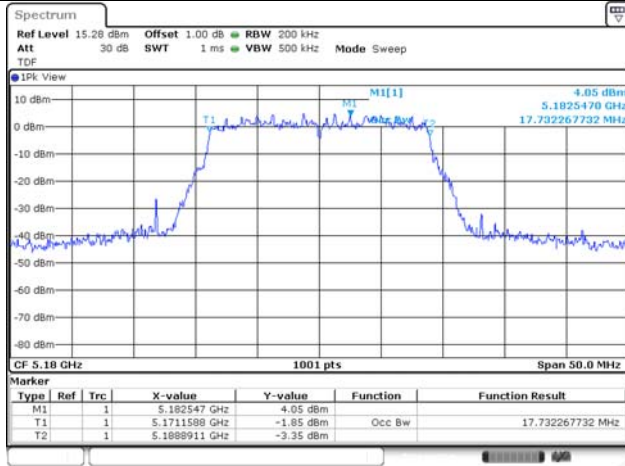


**UNII-2C / 802.11n HT40 / 5 670 MHz**

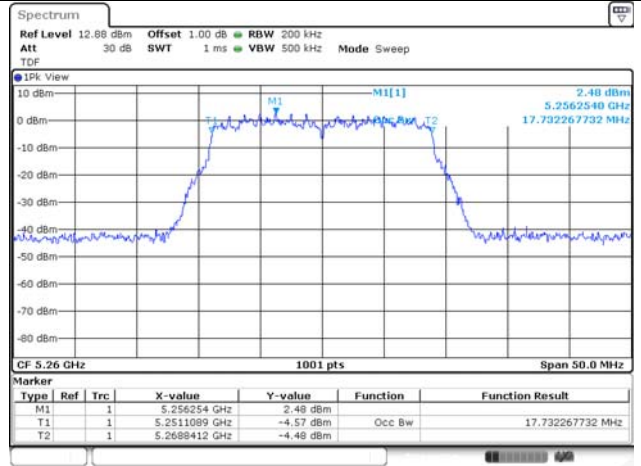


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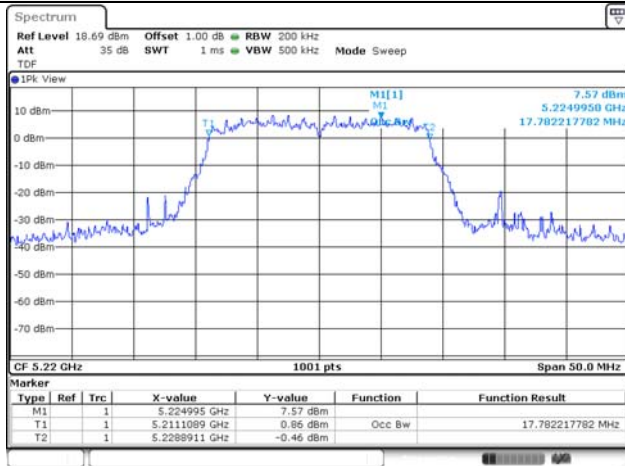
**UNII-1 / 802.11ac VHT20 / 5 180 MHz**



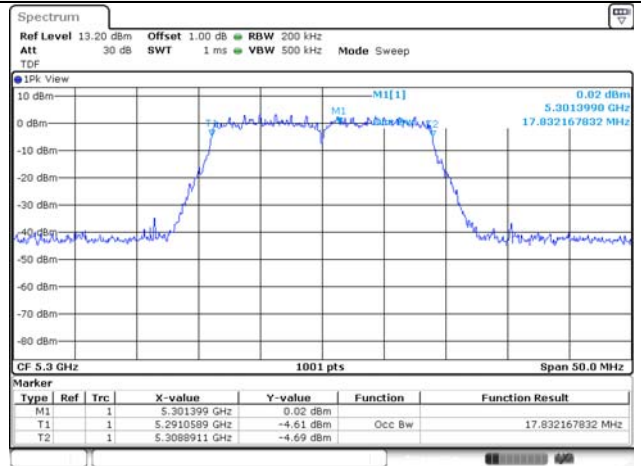
**UNII-2A / 802.11ac VHT20 / 5 260 MHz**



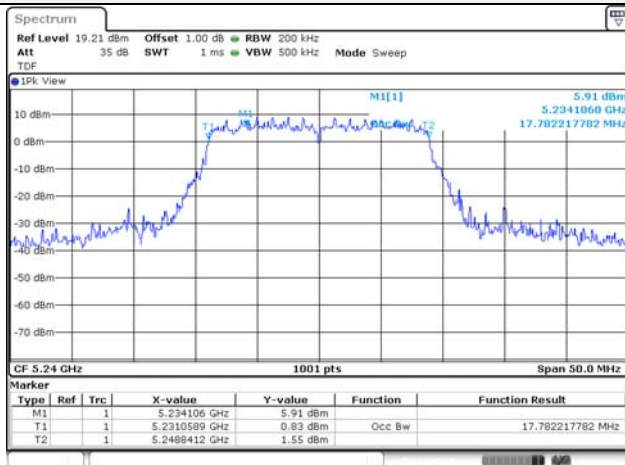
**UNII-1 / 802.11ac VHT20 / 5 220 MHz**



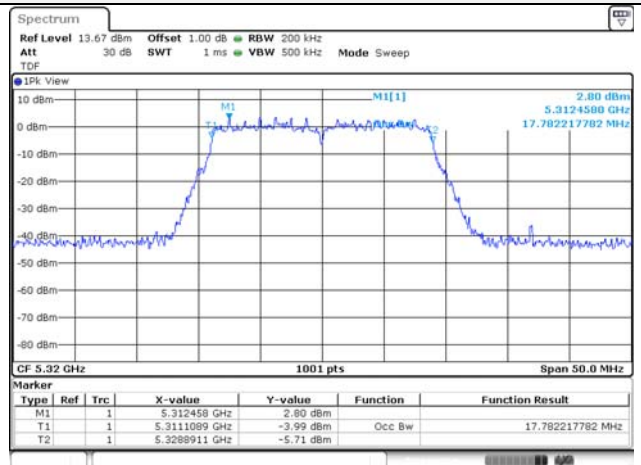
**UNII-2A / 802.11ac VHT20 / 5 300 MHz**



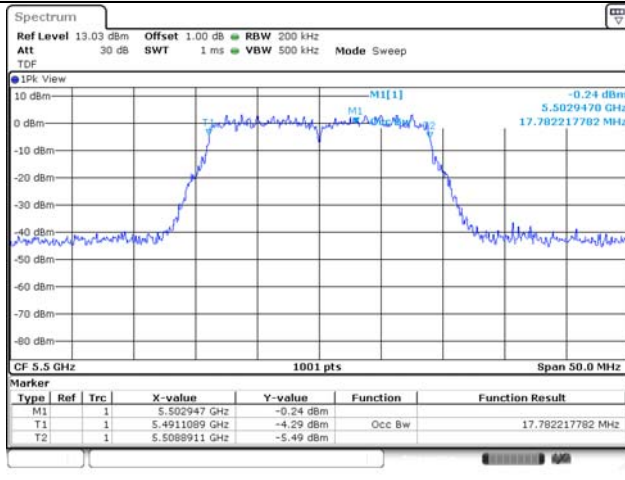
**UNII-1 / 802.11ac VHT20 / 5 240 MHz**



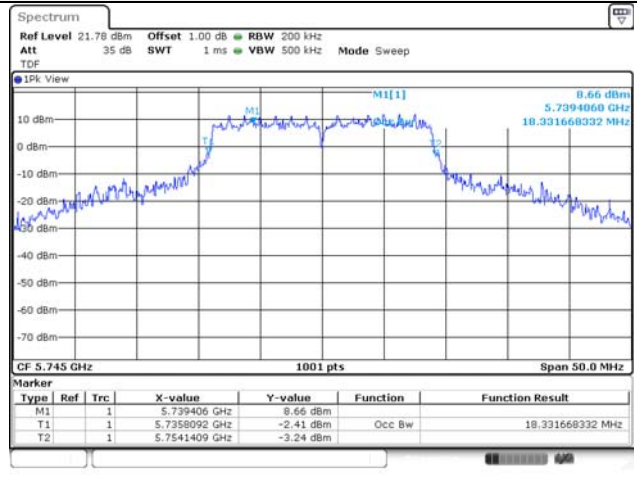
**UNII-2A / 802.11ac VHT20 / 5 320 MHz**



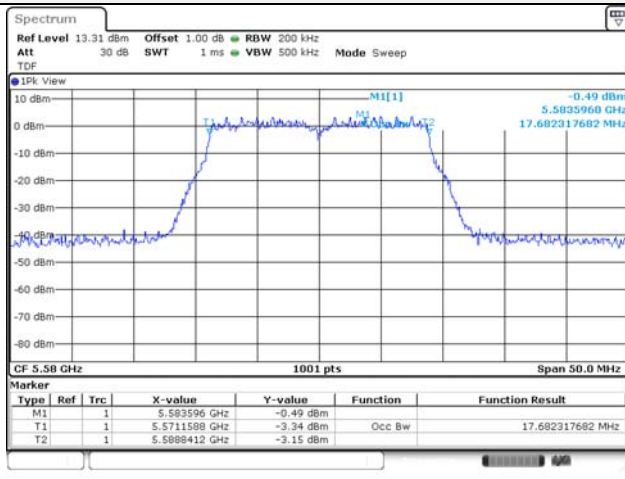
**UNII-2C / 802.11ac VHT20 / 5 500 MHz**



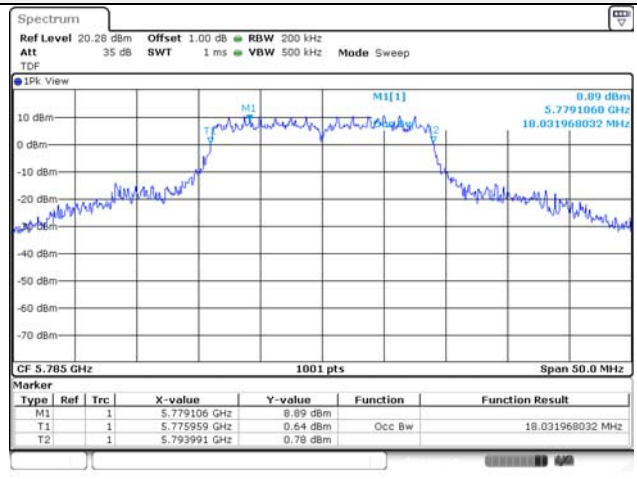
**UNII-3 / 802.11ac VHT20 / 5 745 MHz**



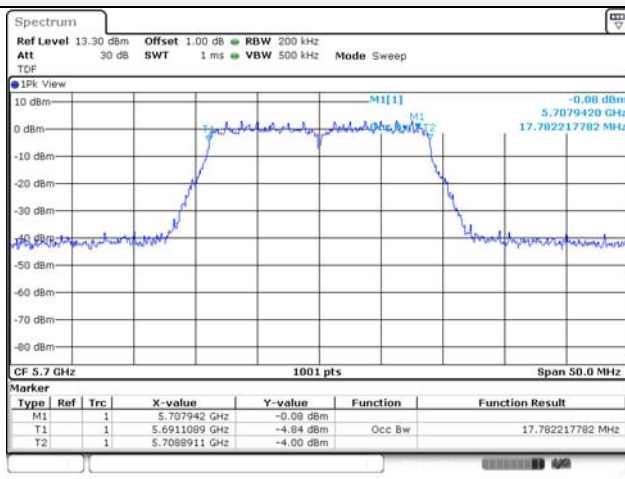
**UNII-2C / 802.11ac VHT20 / 5 580 MHz**



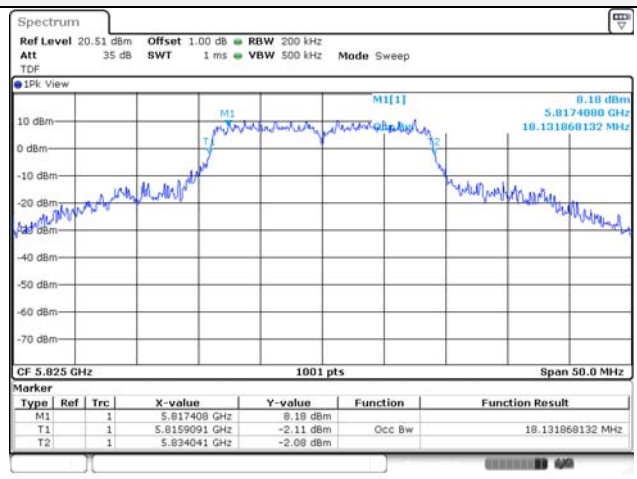
**UNII-3 / 802.11ac VHT20 / 5 785 MHz**



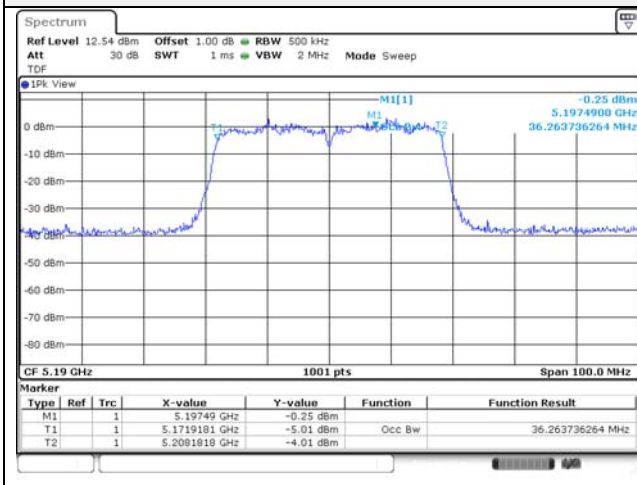
**UNII-2C / 802.11ac VHT20 / 5 700 MHz**



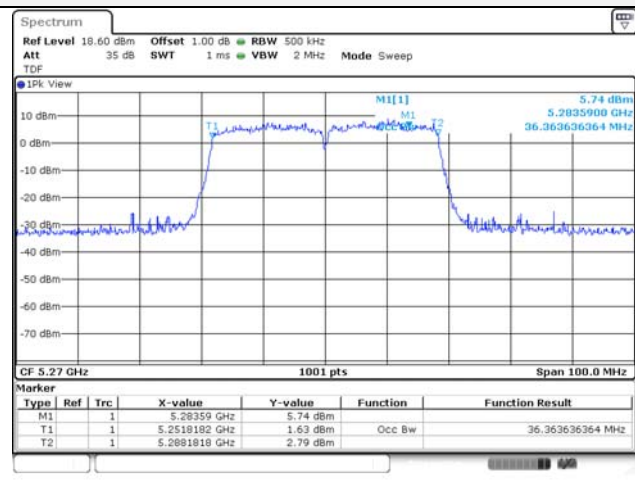
**UNII-3 / 802.11ac VHT20 / 5 825 MHz**



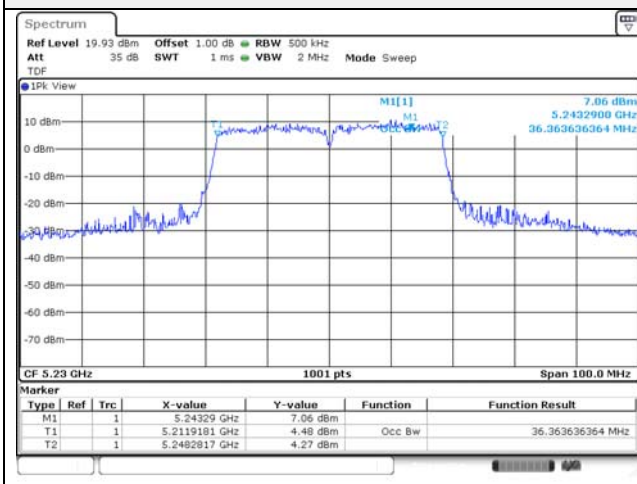
**UNII-1 / 802.11ac VHT40 / 5 190 MHz**



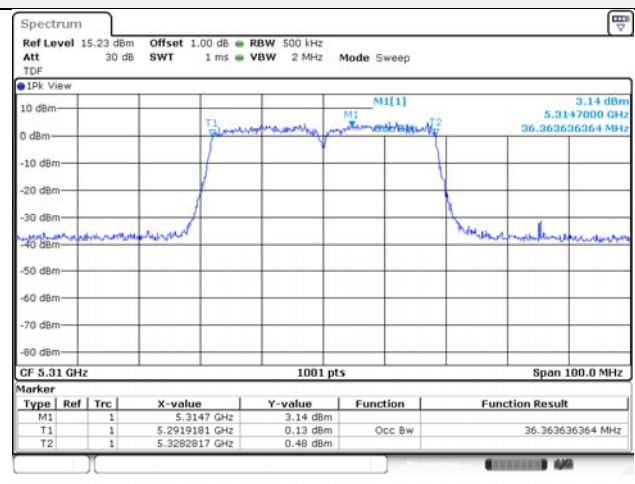
**UNII-2A / 802.11ac VHT40 / 5 270 MHz**



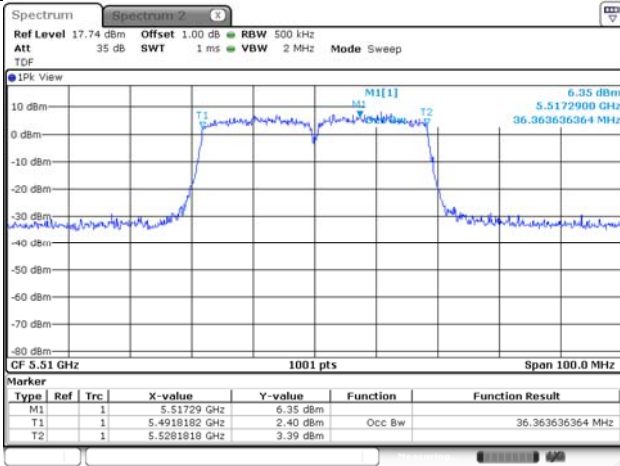
**UNII-1 / 802.11ac VHT40 / 5 230 MHz**



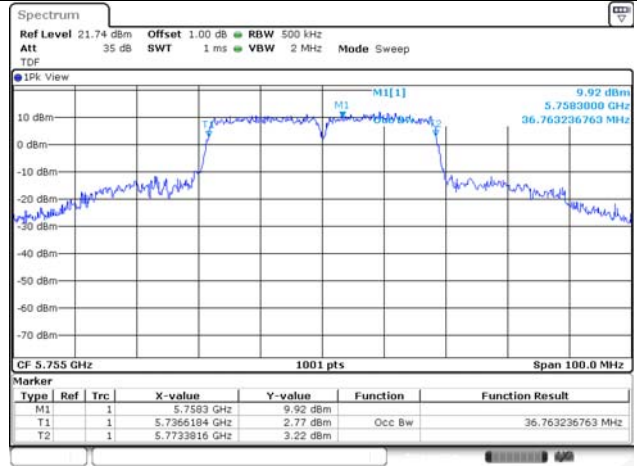
**UNII-2A / 802.11ac VHT40 / 5 310 MHz**



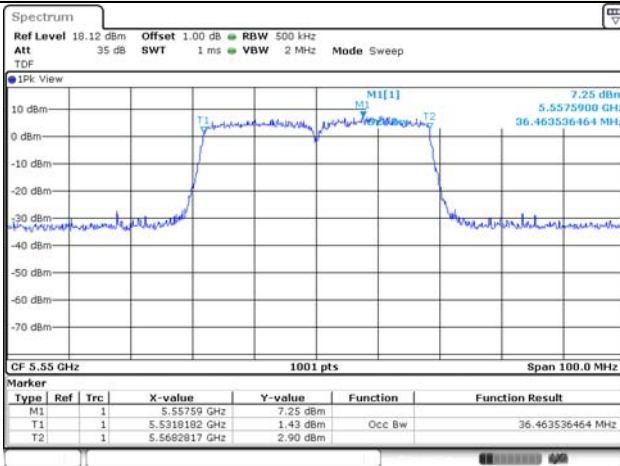
**UNII-2C / 802.11ac VHT40 / 5 510 MHz**



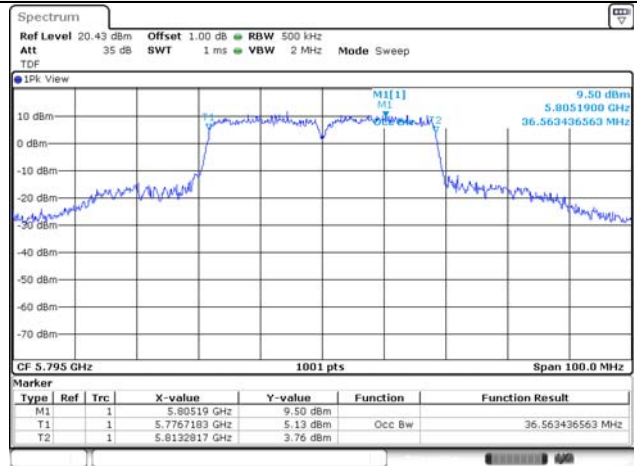
**UNII-3 / 802.11ac VHT40 / 5 755 MHz**



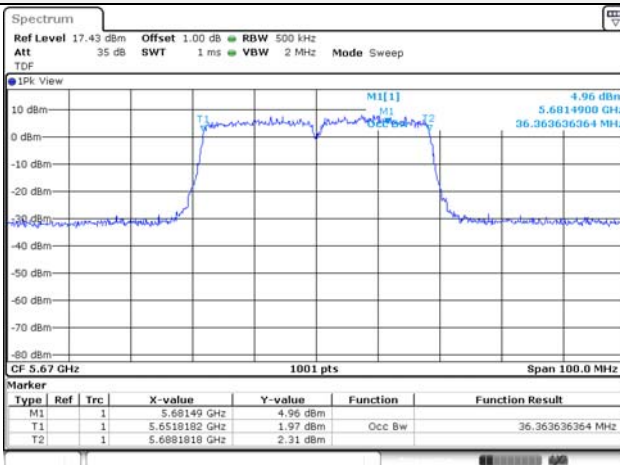
**UNII-2C / 802.11ac VHT40 / 5 550 MHz**



**UNII-3 / 802.11ac VHT40 / 5 795 MHz**



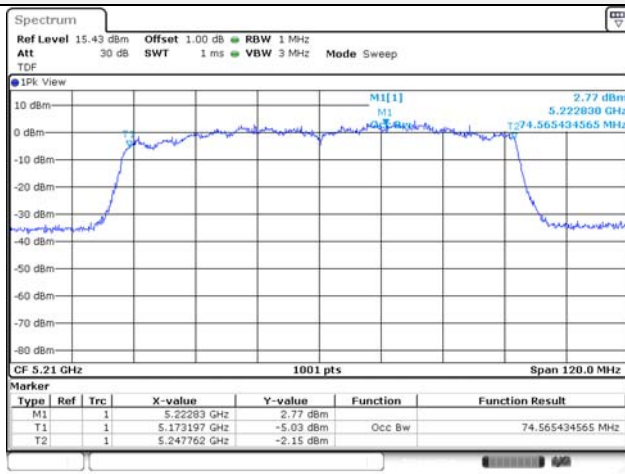
**UNII-2C / 802.11ac VHT40 / 5 670 MHz**



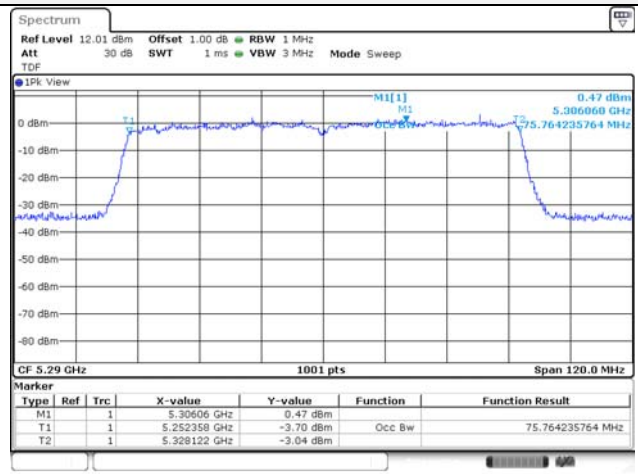
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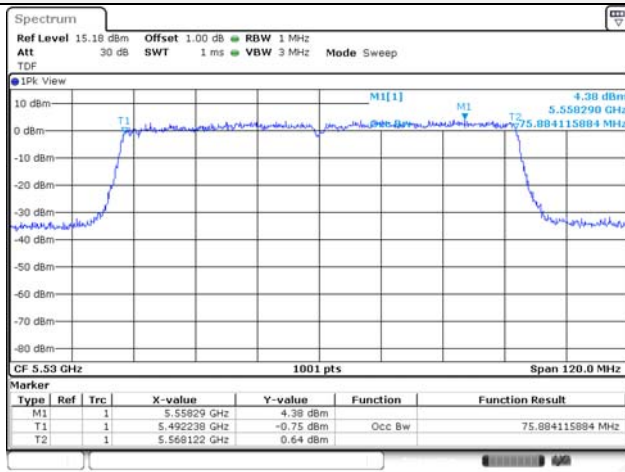
**UNII-1 / 802.11ac VHT80 / 5 210 MHz**



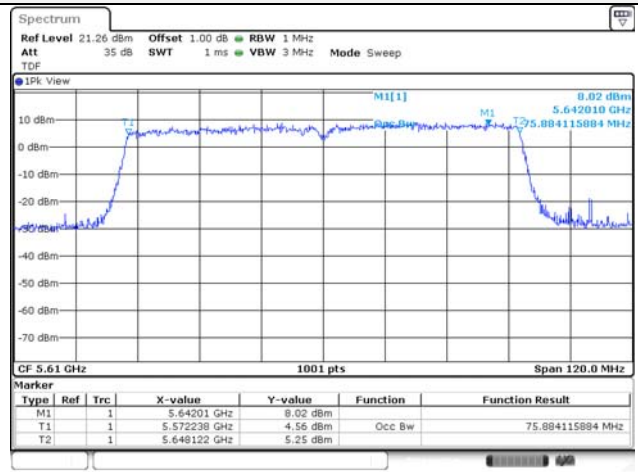
**UNII-2A / 802.11ac VHT80 / 5 290 MHz**



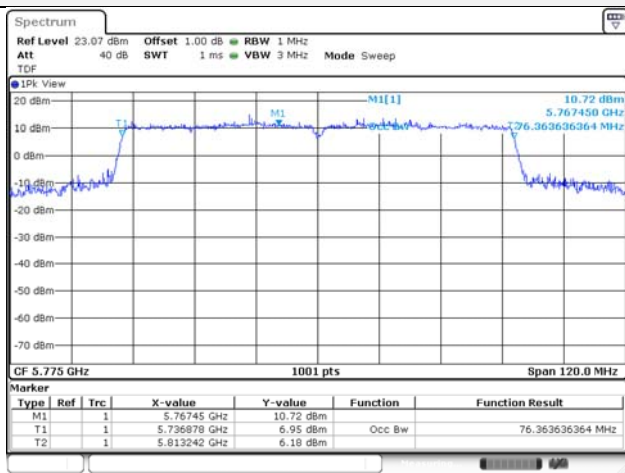
**UNII-2C / 802.11ac VHT80 / 5 530 MHz**



**UNII-2C / 802.11ac VHT80 / 5 610 MHz**

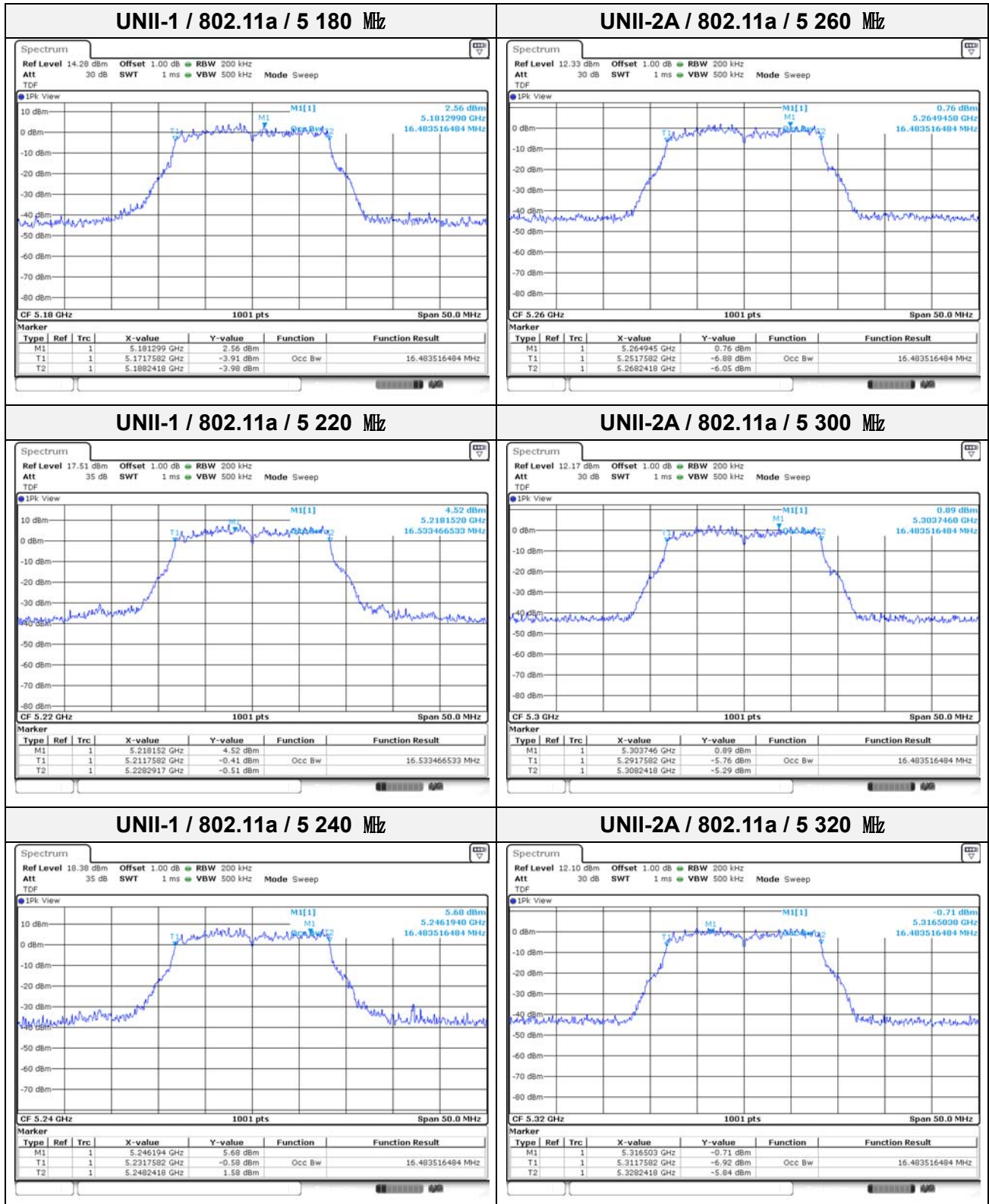


**UNII-3 / 802.11ac VHT80 / 5 775 MHz**

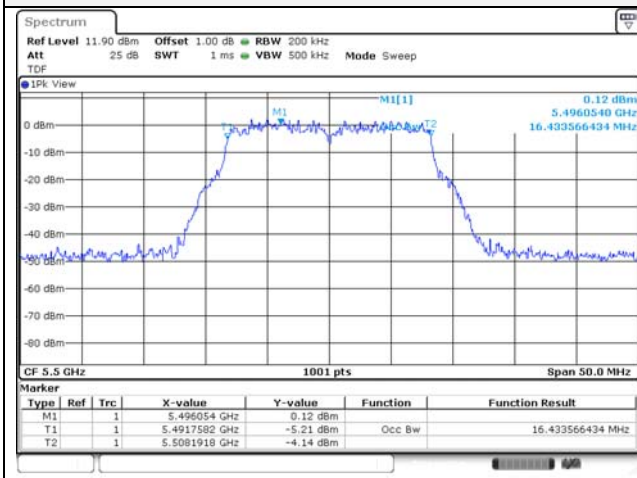


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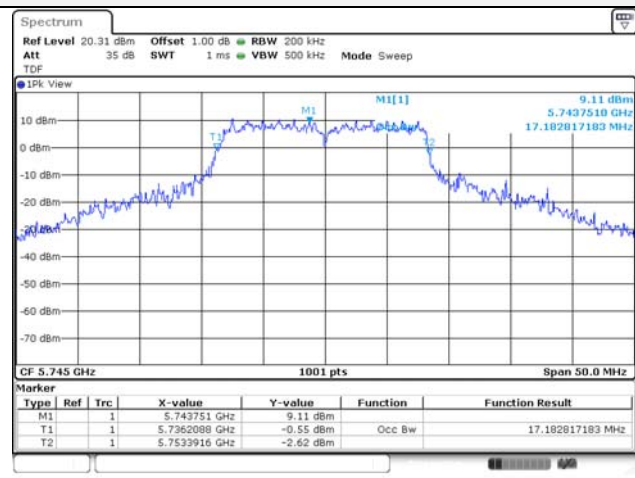
**MIMO ANT 3**



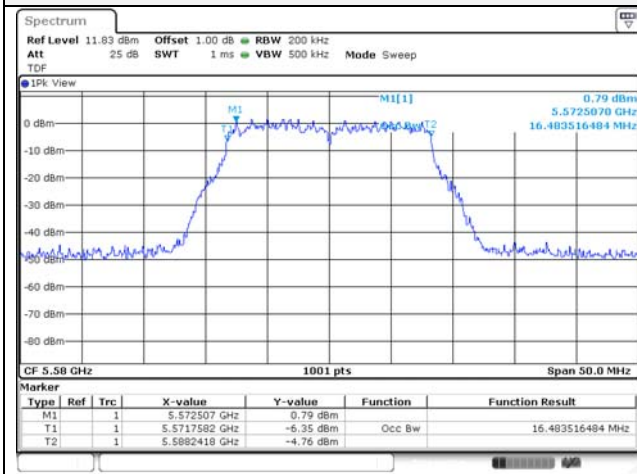
**UNII-2C / 802.11a / 5 500 MHz**



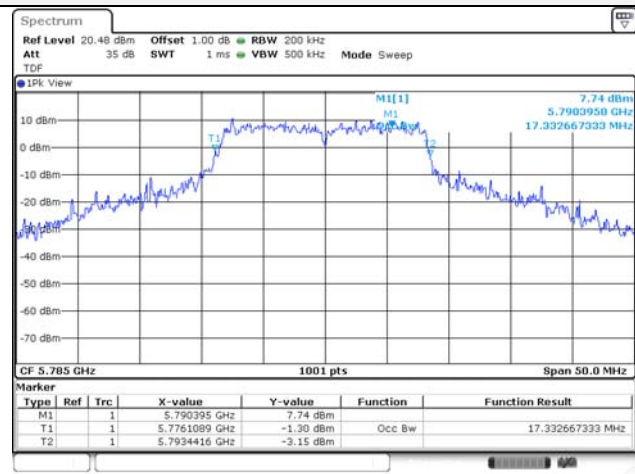
**UNII-3 / 802.11a / 5 745 MHz**



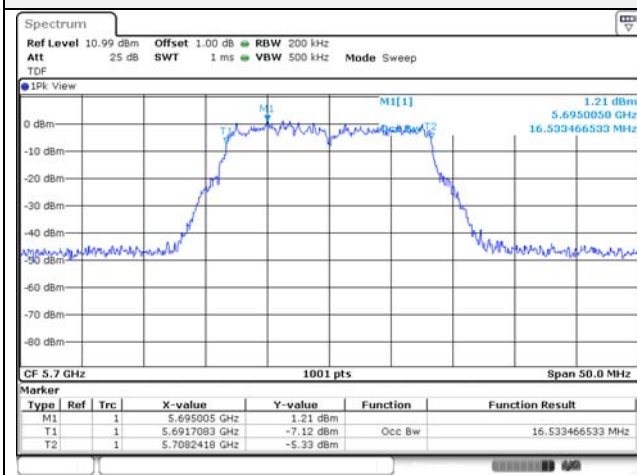
**UNII-2C / 802.11a / 5 580 MHz**



**UNII-3 / 802.11a / 5 785 MHz**



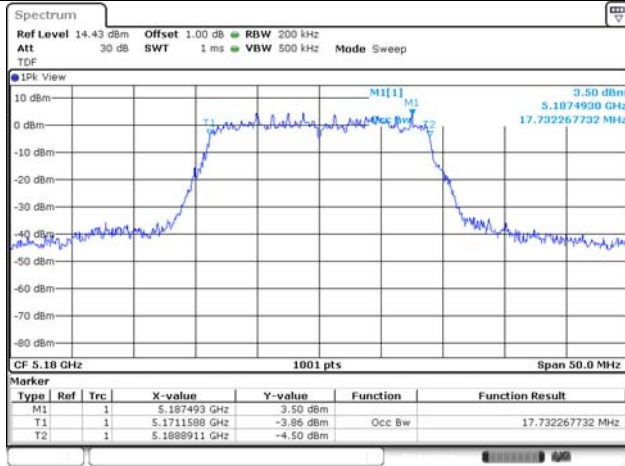
**UNII-2C / 802.11a / 5 700 MHz**



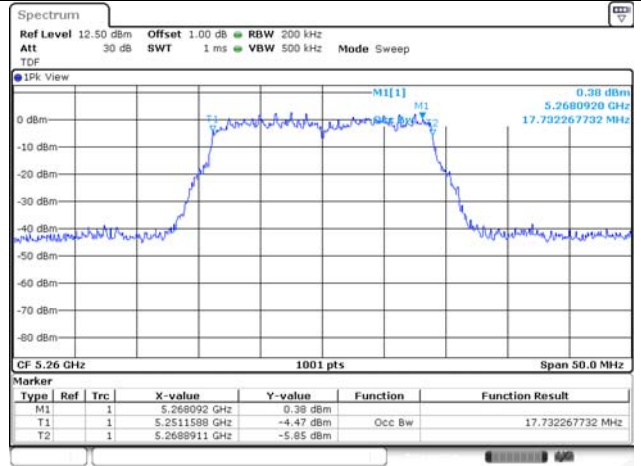
**UNII-3 / 802.11a / 5 825 MHz**



**UNII-1 / 802.11n HT20 / 5 180 MHz**



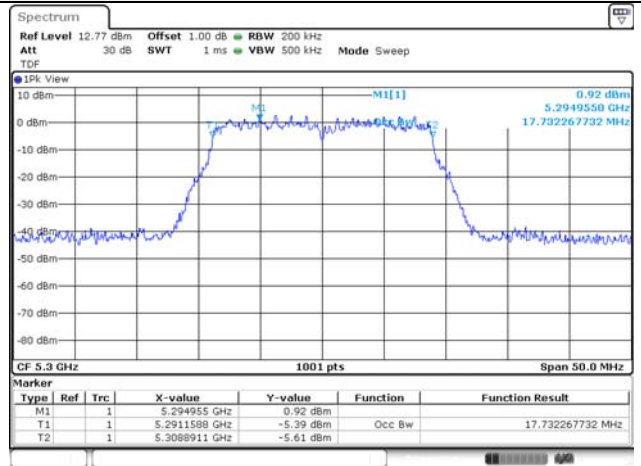
**UNII-2A / 802.11n HT20 / 5 260 MHz**



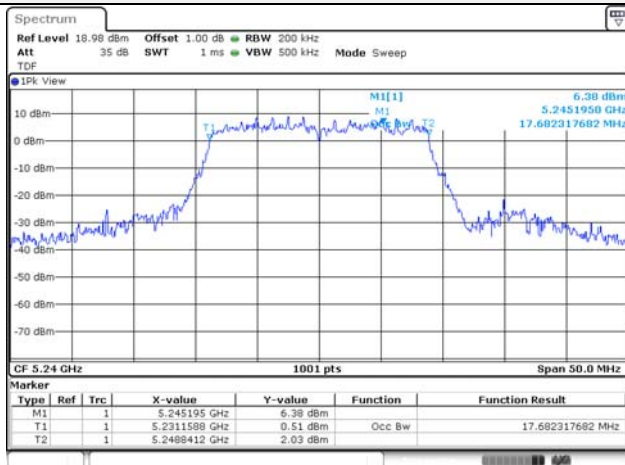
**UNII-1 / 802.11n HT20 / 5 220 MHz**



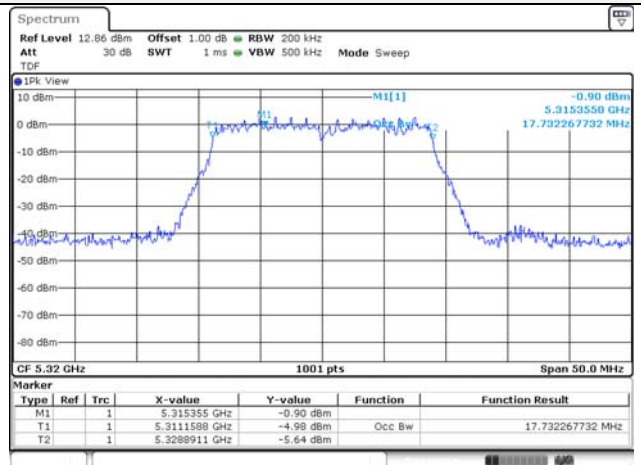
**UNII-2A / 802.11n HT20 / 5 300 MHz**



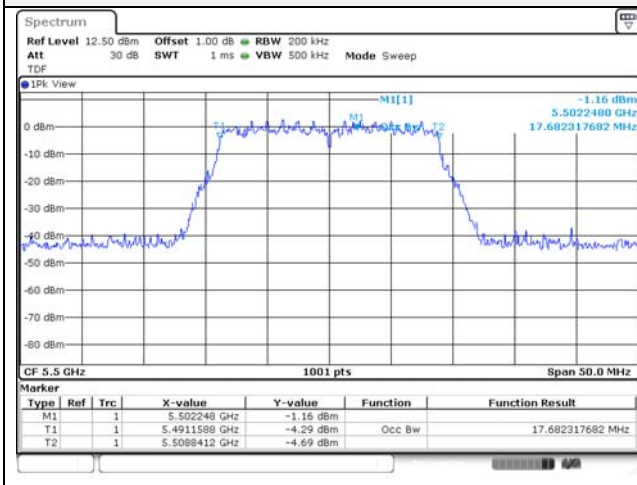
**UNII-1 / 802.11n HT20 / 5 240 MHz**



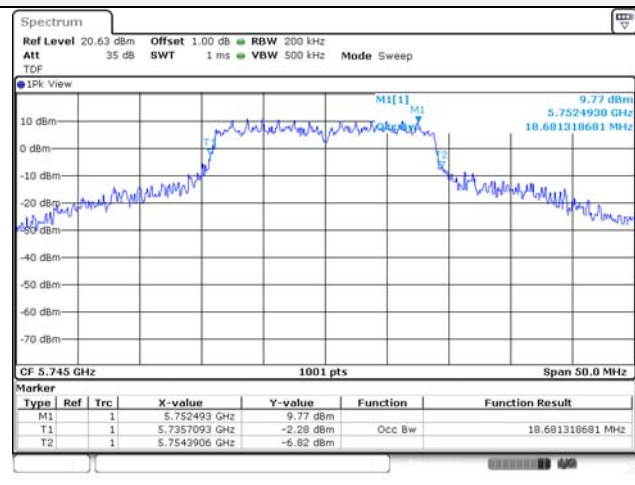
**UNII-2A / 802.11n HT20 / 5 320 MHz**



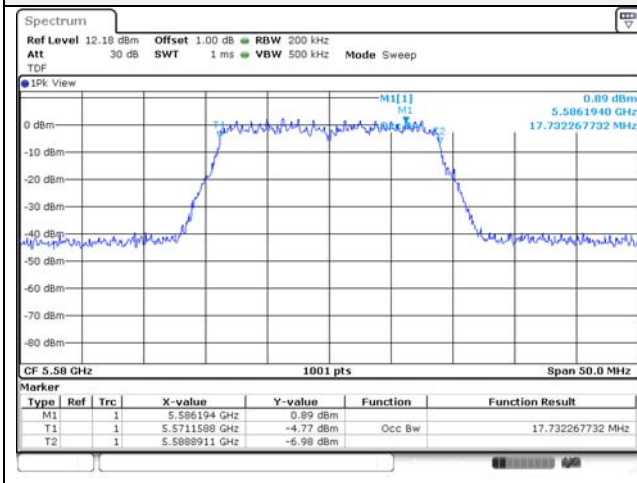
**UNII-2C / 802.11n HT20 / 5 500 MHz**



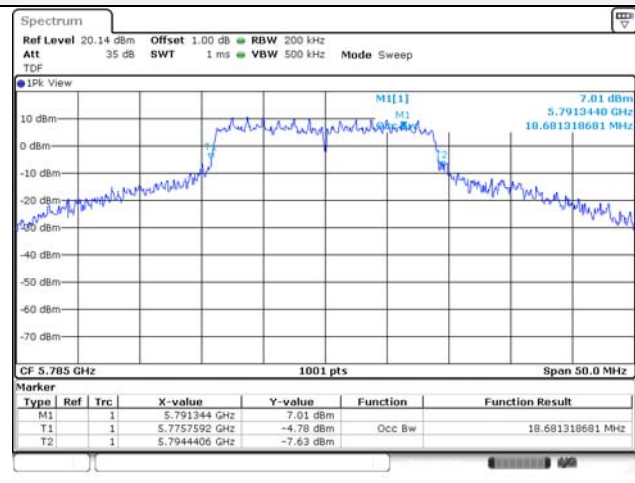
**UNII-3 / 802.11n HT20 / 5 745 MHz**



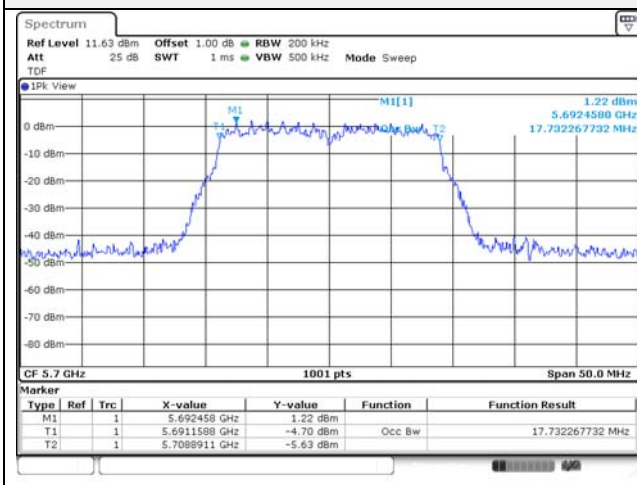
**UNII-2C / 802.11n HT20 / 5 580 MHz**



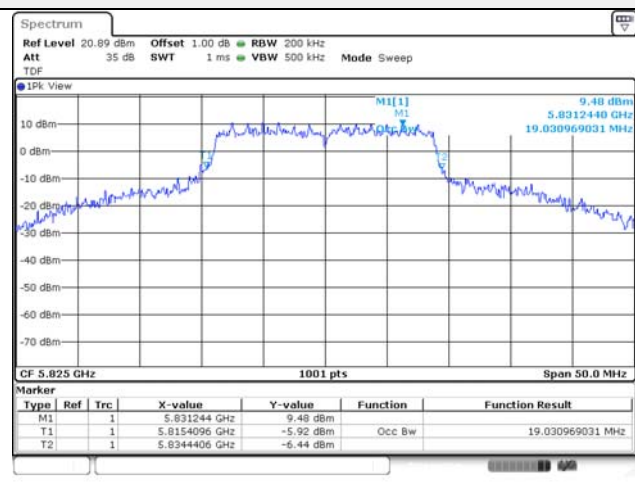
**UNII-3 / 802.11n HT20 / 5 785 MHz**



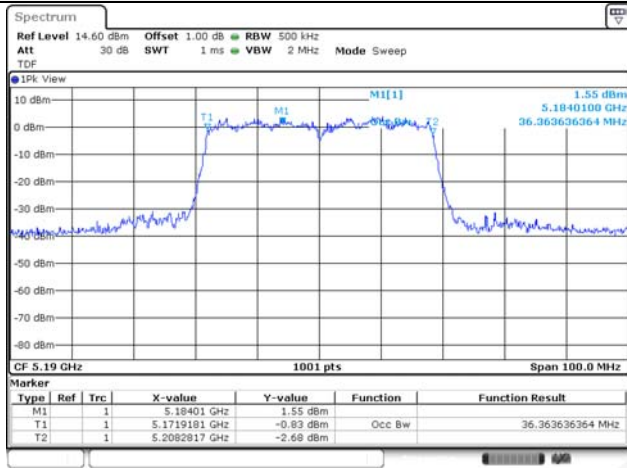
**UNII-2C / 802.11n HT20 / 5 700 MHz**



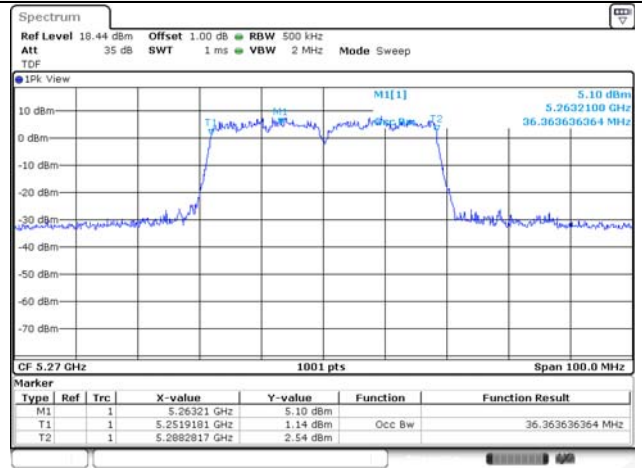
**UNII-3 / 802.11n HT20 / 5 825 MHz**



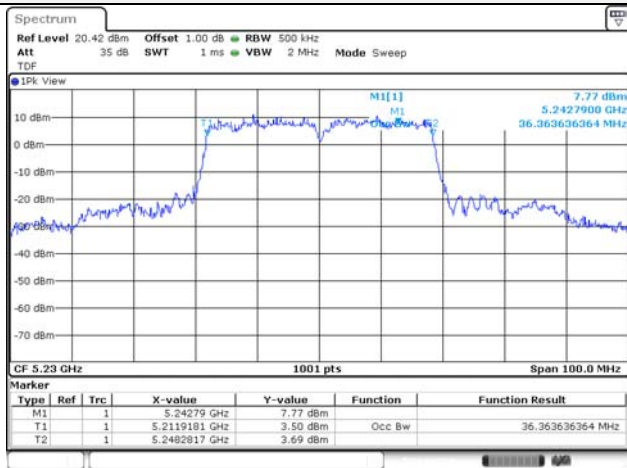
**UNII-1 / 802.11n HT40 / 5 190 MHz**



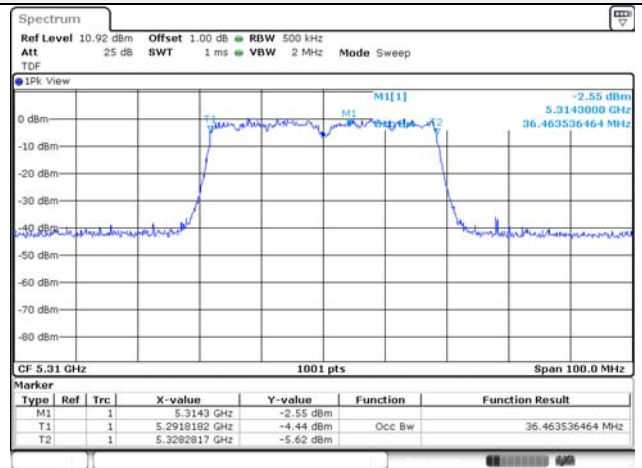
**UNII-2A / 802.11n HT40 / 5 270 MHz**



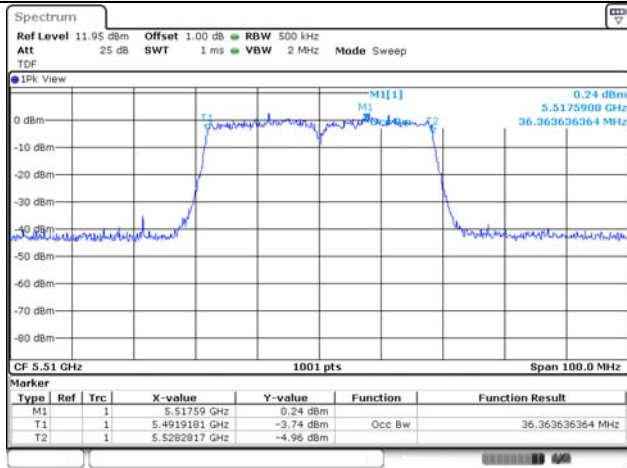
**UNII-1 / 802.11n HT40 / 5 230 MHz**



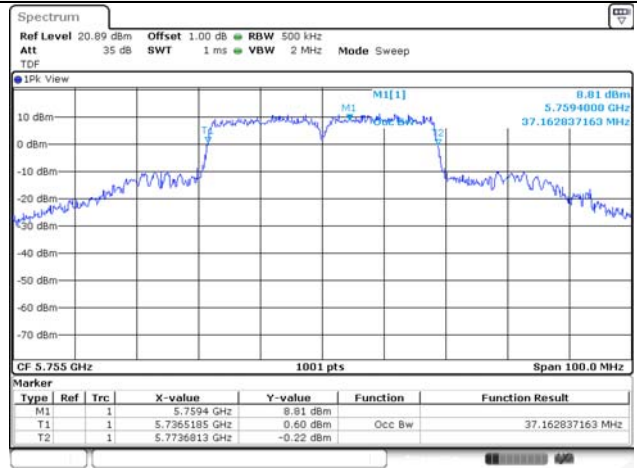
**UNII-2A / 802.11n HT40 / 5 310 MHz**



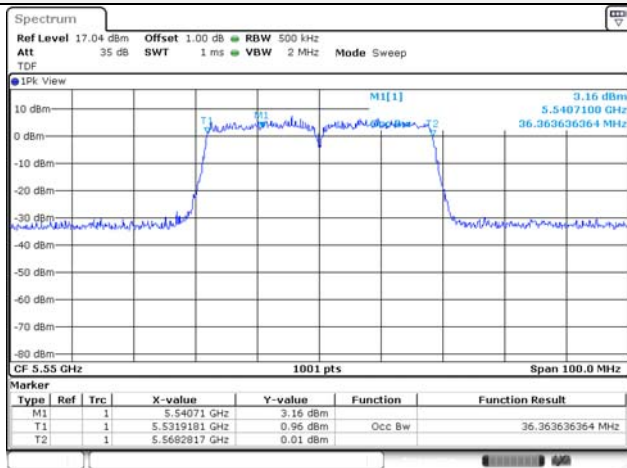
**UNII-2C / 802.11n HT40 / 5 510 MHz**



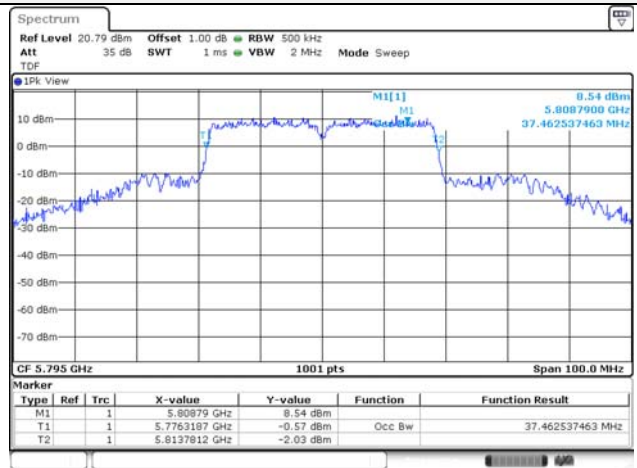
**UNII-3 / 802.11n HT40 / 5 755 MHz**



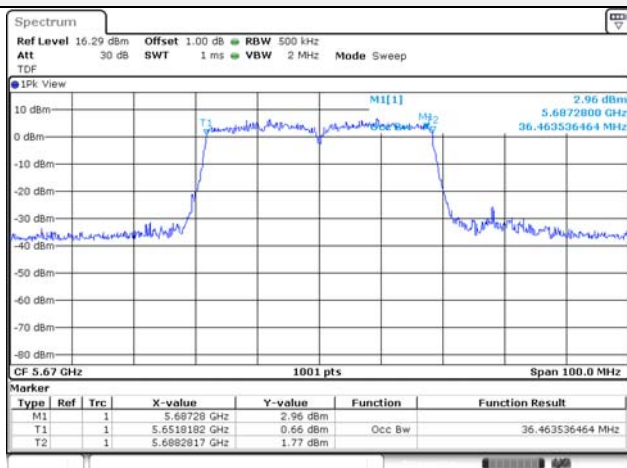
**UNII-2C / 802.11n HT40 / 5 550 MHz**



**UNII-3 / 802.11n HT40 / 5 795 MHz**

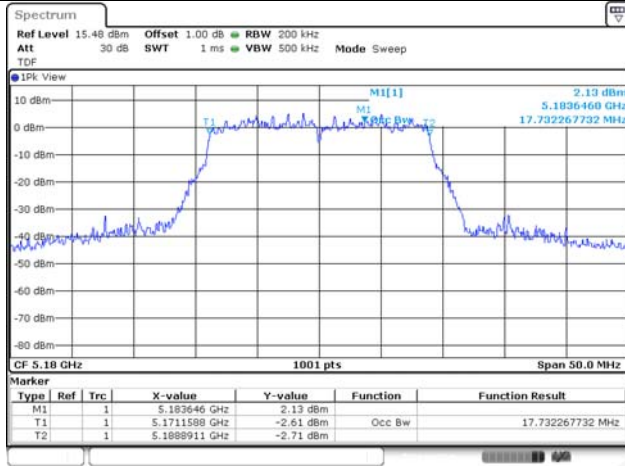


**UNII-2C / 802.11n HT40 / 5 670 MHz**

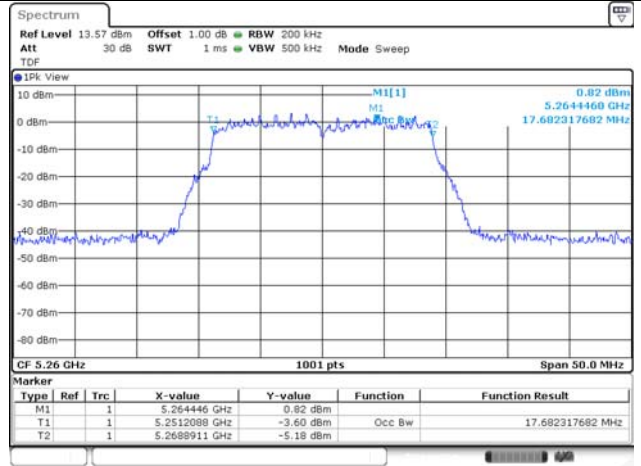


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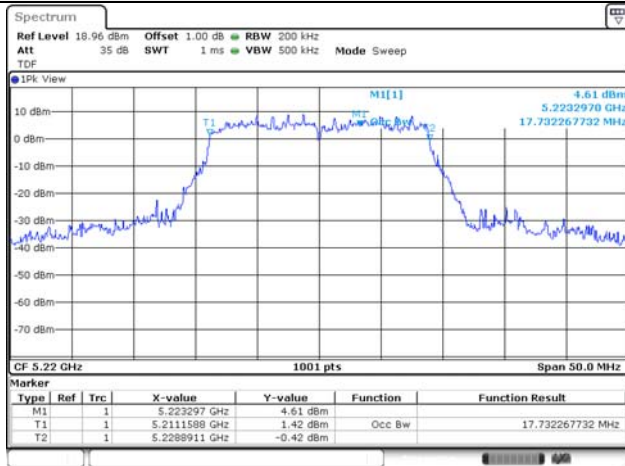
**UNII-1 / 802.11ac VHT20 / 5 180 MHz**



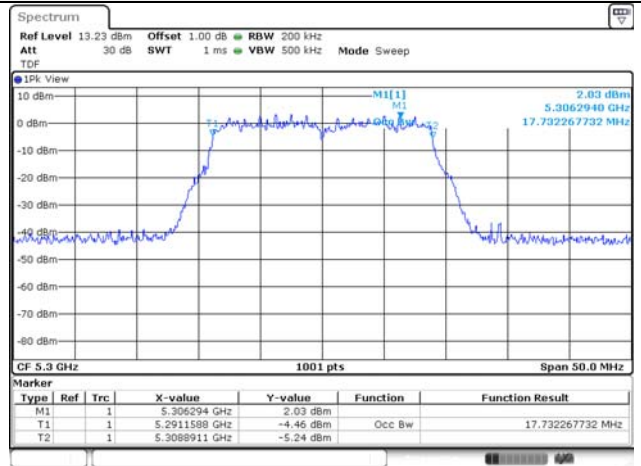
**UNII-2A / 802.11ac VHT20 / 5 260 MHz**



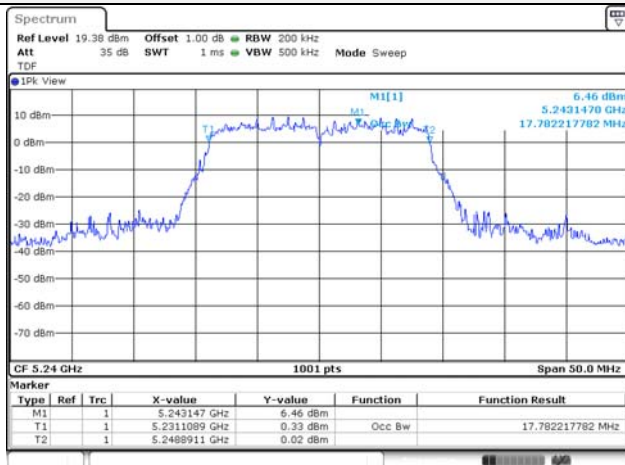
**UNII-1 / 802.11ac VHT20 / 5 220 MHz**



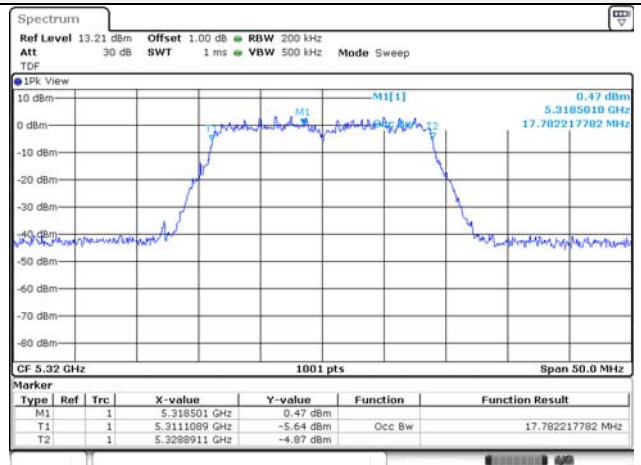
**UNII-2A / 802.11ac VHT20 / 5 300 MHz**



**UNII-1 / 802.11ac VHT20 / 5 240 MHz**

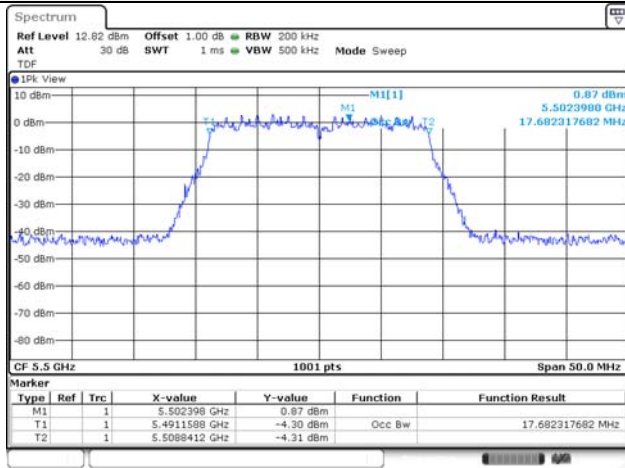


**UNII-2A / 802.11ac VHT20 / 5 320 MHz**

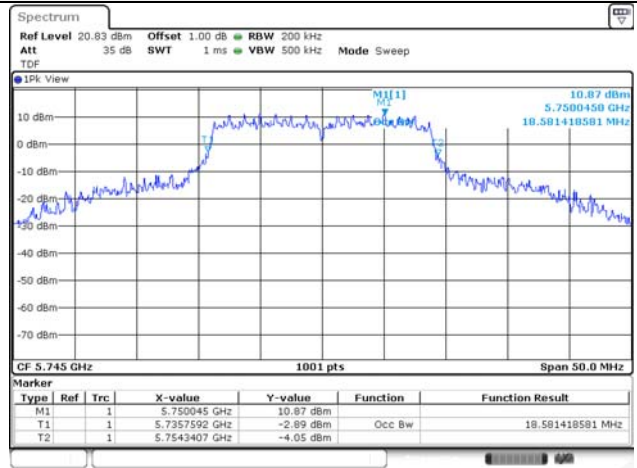




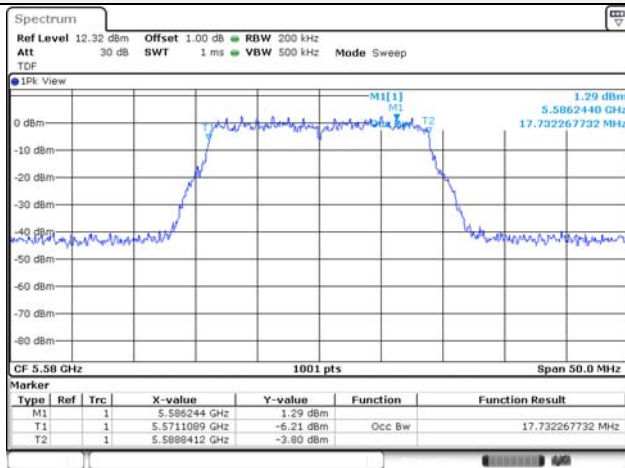
**UNII-2C / 802.11ac VHT20 / 5 500 MHz**



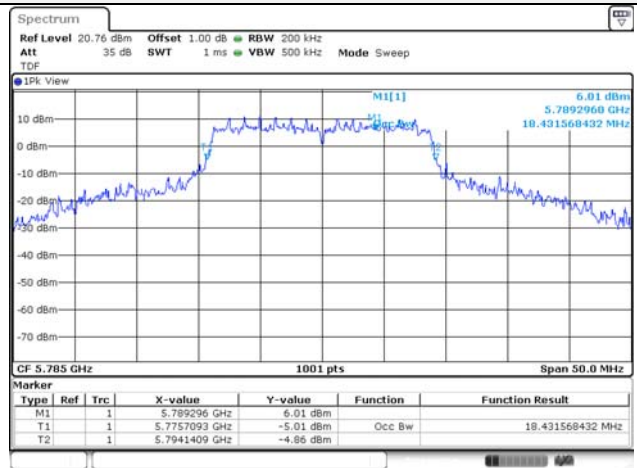
**UNII-3 / 802.11ac VHT20 / 5 745 MHz**



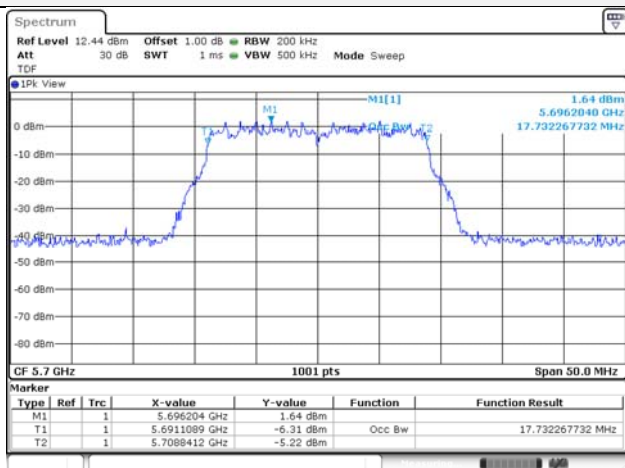
**UNII-2C / 802.11ac VHT20 / 5 580 MHz**



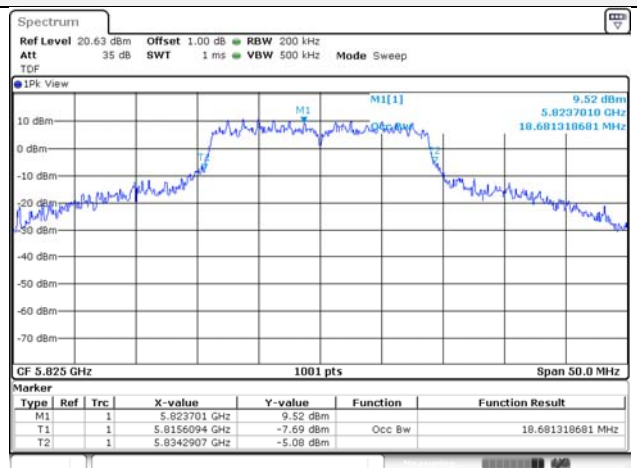
**UNII-3 / 802.11ac VHT20 / 5 785 MHz**



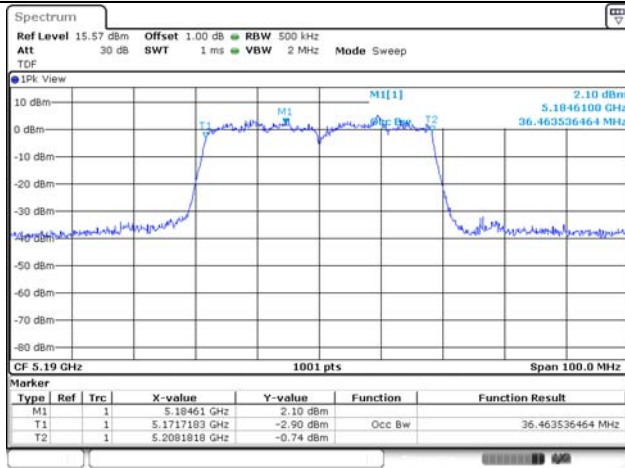
**UNII-2C / 802.11ac VHT20 / 5 700 MHz**



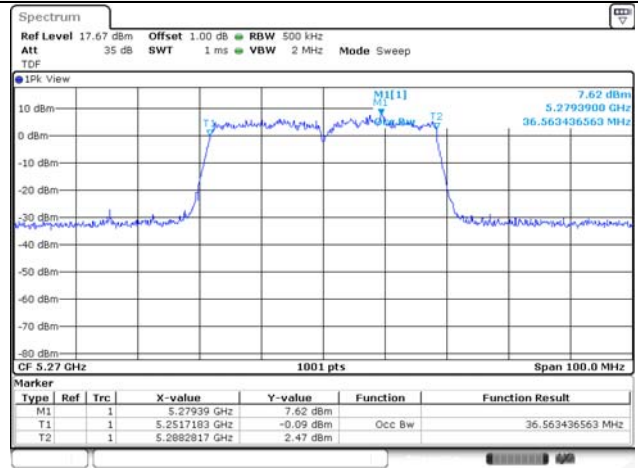
**UNII-3 / 802.11ac VHT20 / 5 825 MHz**



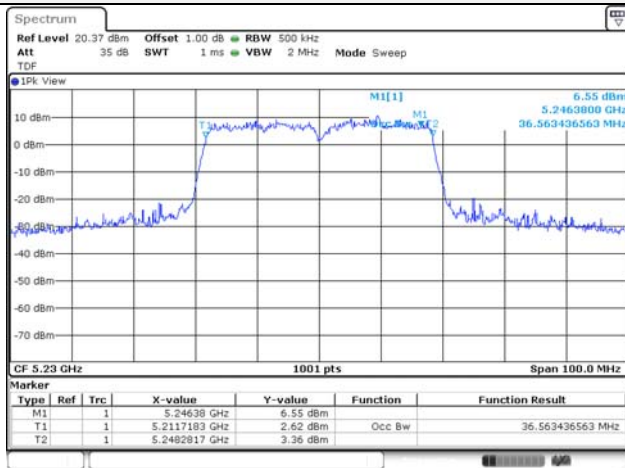
**UNII-1 / 802.11ac VHT40 / 5 190 MHz**



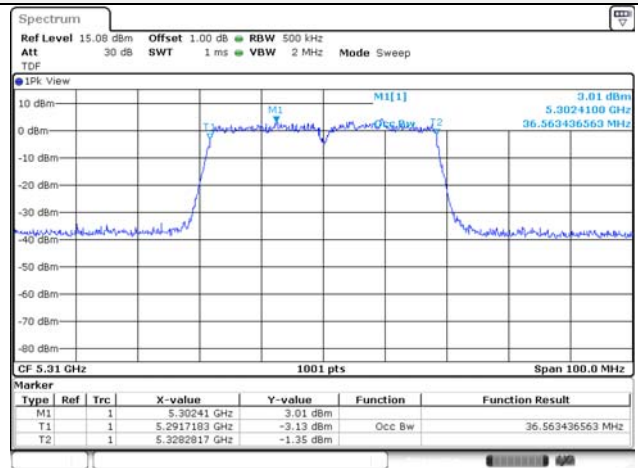
**UNII-2A / 802.11ac VHT40 / 5 270 MHz**



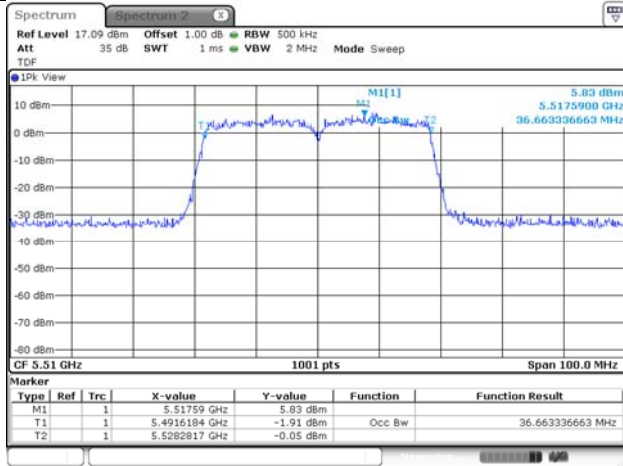
**UNII-1 / 802.11ac VHT40 / 5 230 MHz**



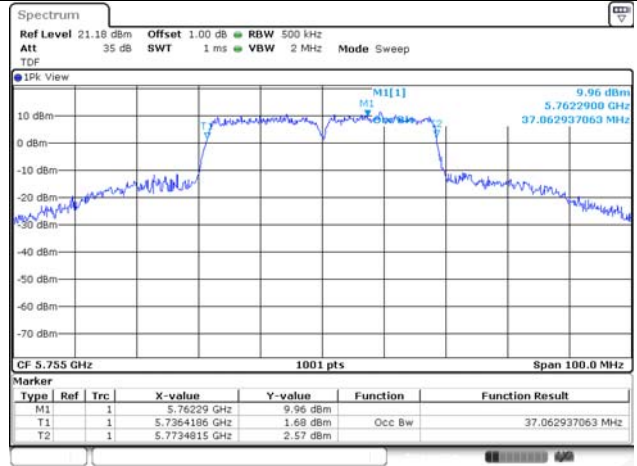
**UNII-2A / 802.11ac VHT40 / 5 310 MHz**



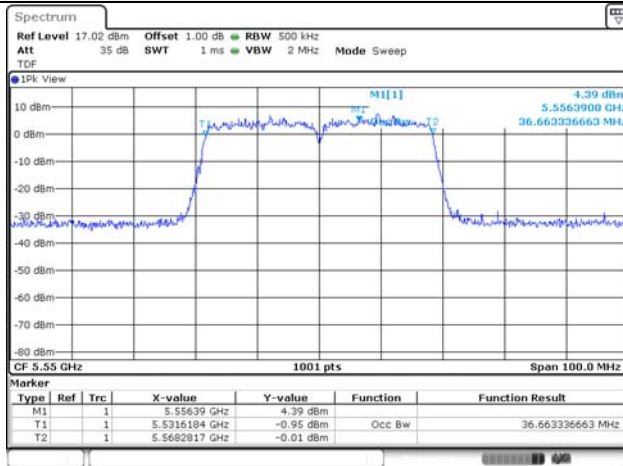
**UNII-2C / 802.11ac VHT40 / 5 510 MHz**



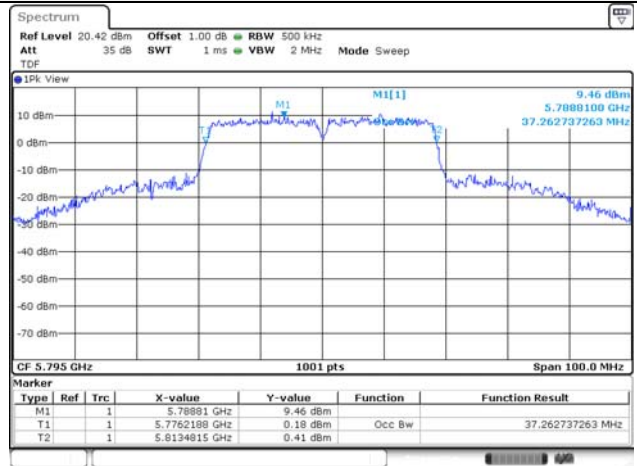
**UNII-3 / 802.11ac VHT40 / 5 755 MHz**



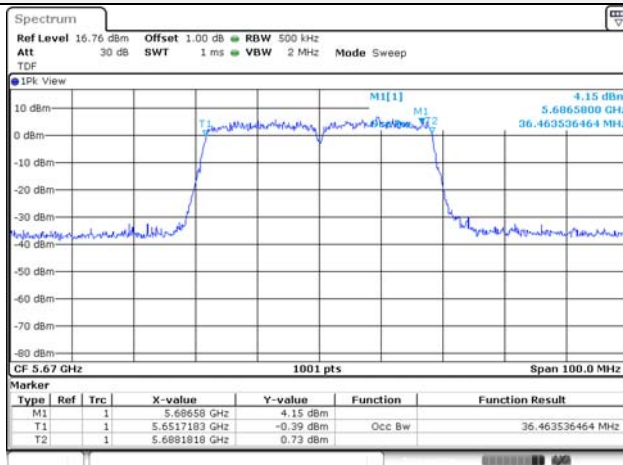
**UNII-2C / 802.11ac VHT40 / 5 550 MHz**



**UNII-3 / 802.11ac VHT40 / 5 795 MHz**

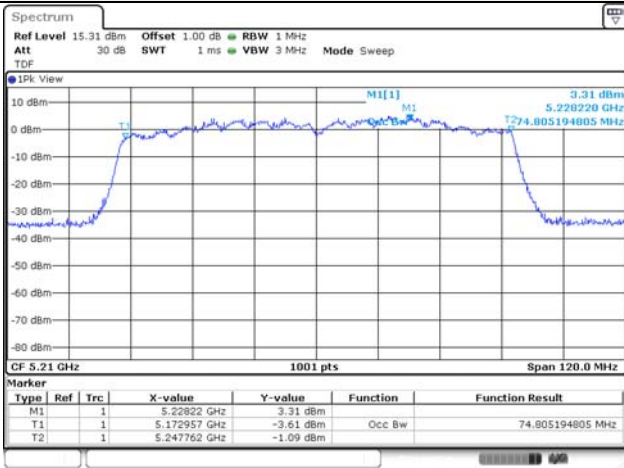


**UNII-2C / 802.11ac VHT40 / 5 670 MHz**

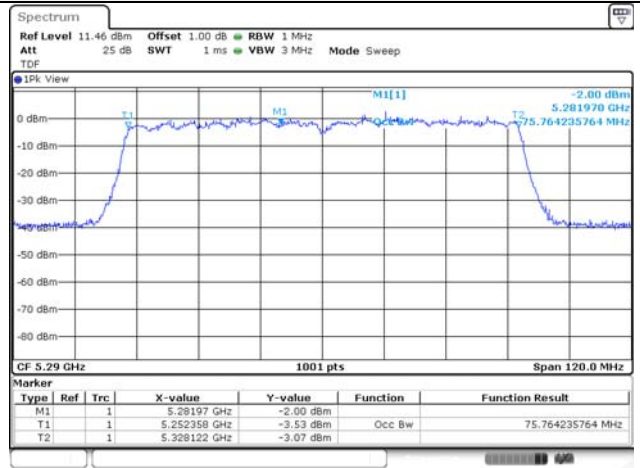


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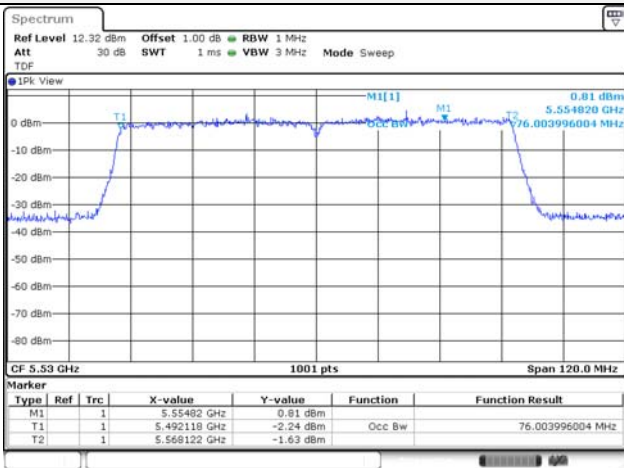
**UNII-1 / 802.11ac VHT80 / 5 210 MHz**



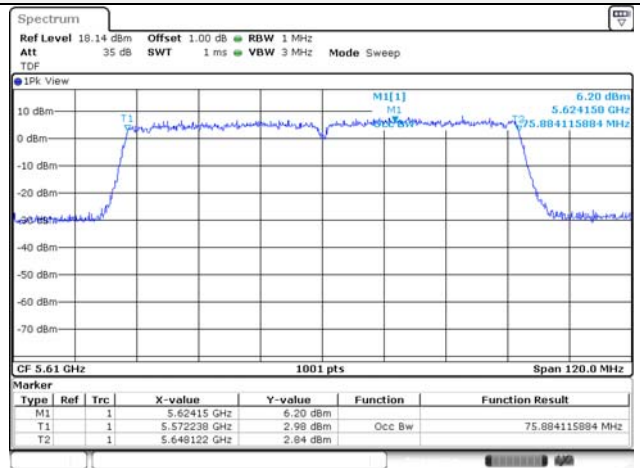
**UNII-2A / 802.11ac VHT80 / 5 290 MHz**



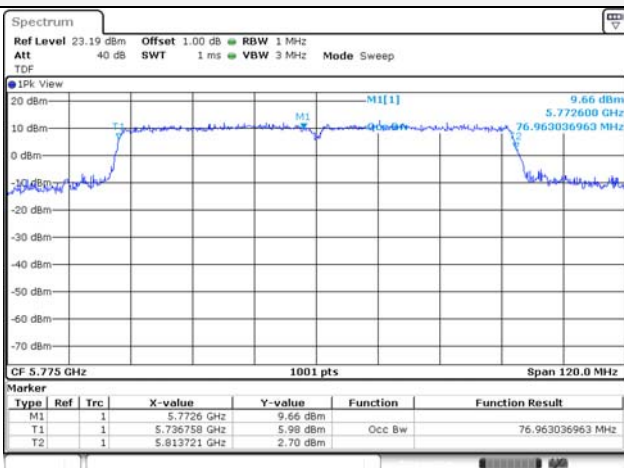
**UNII-2C / 802.11ac VHT80 / 5 530 MHz**



**UNII-2C / 802.11ac VHT80 / 5 610 MHz**



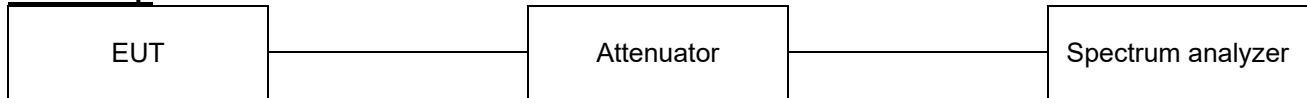
**UNII-3 / 802.11ac VHT80 / 5 775 MHz**



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## 7.4. 6 dB Bandwidth

### Test setup



### Limit

According to §15.407(e),  
Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth if U-NII devices shall be at least 500kHz

### Test procedure

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

### Test settings

Minimum Emission Bandwidth for the band 5.725–5.85 GHz

Section 15.407(e) specifies the minimum 6 dB emission bandwidth of at least 500 kHz for the band 5.725–5.85 GHz. The following procedure shall be used for measuring this bandwidth:

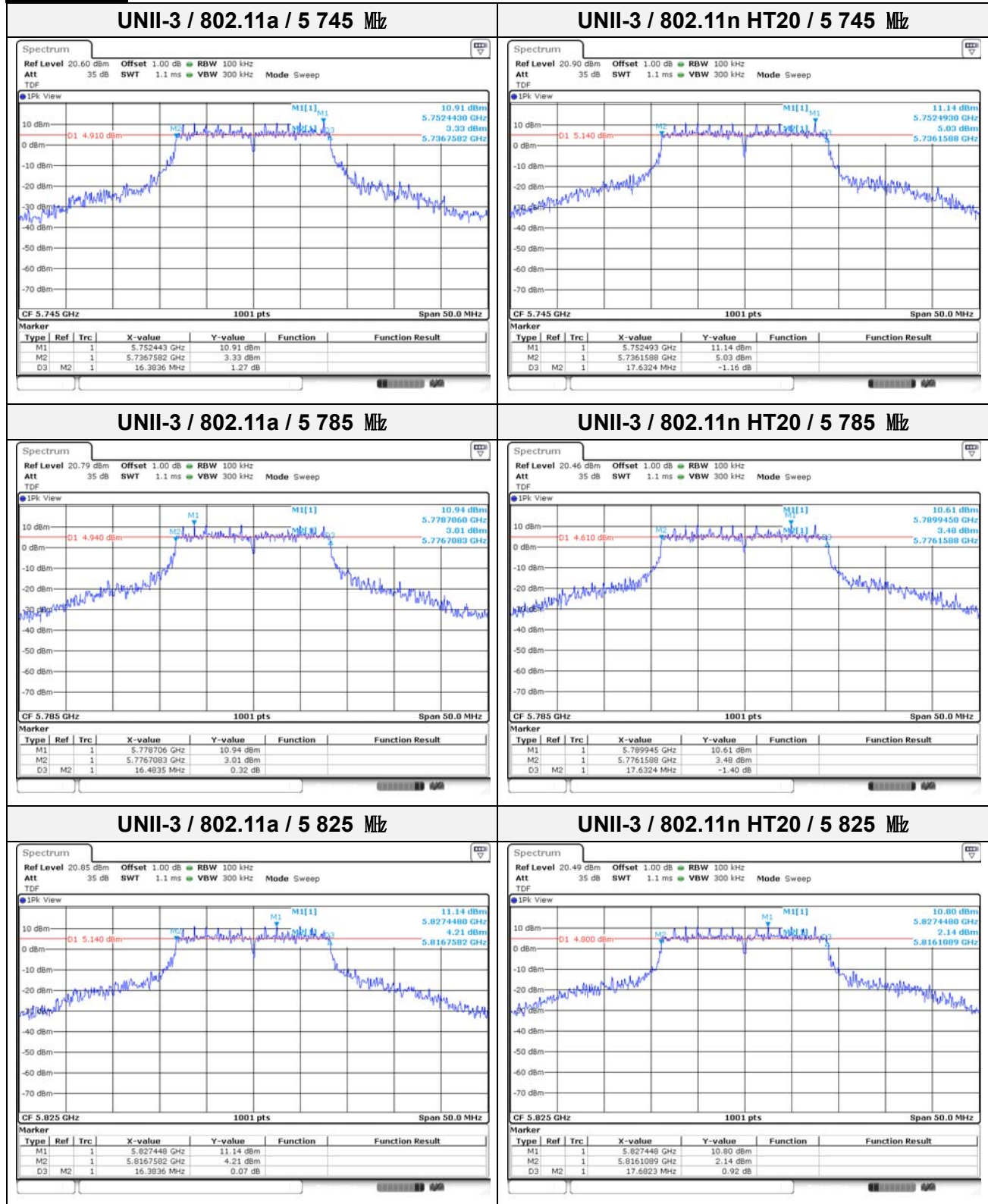
1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW)  $\geq 3$  RBW.
3. Detector = Peak.
4. Trace mode = max hold.
5. Sweep = auto couple.
6. Allow the trace to stabilize.
7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

**Test results**

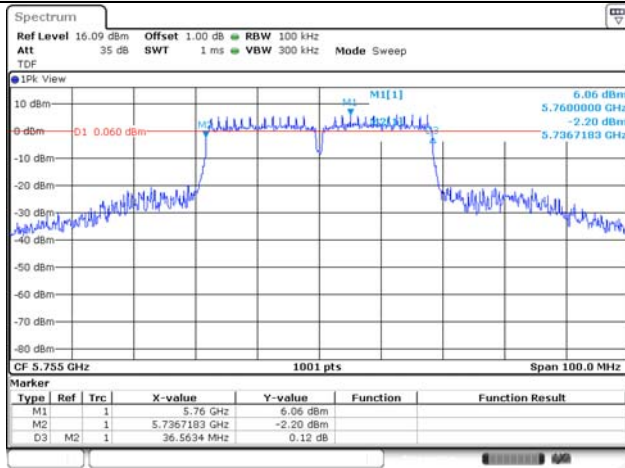
**SISO**

Test mode	Band	Frequency (MHz)	Measured Bandwidth ANT 0 (MHz)	Measured Bandwidth ANT 1 (MHz)	Measured Bandwidth ANT 2 (MHz)	Measured Bandwidth ANT 3 (MHz)	Limit (MHz)
802.11a	UNII-3	5 745	16.38	15.98	16.38	16.38	≥0.5
		5 785	16.48	15.98	16.33	16.38	
		5 825	16.38	15.98	16.18	16.18	
802.11n HT20	UNII-3	5 745	17.63	17.68	17.68	17.68	
		5 785	17.63	17.38	17.48	17.63	
		5 825	17.68	17.28	17.68	17.63	
802.11n HT40	UNII-3	5 755	36.56	36.46	36.46	36.56	
		5 795	36.56	36.56	36.56	36.56	
802.11ac VHT20	UNII-3	5 745	17.63	17.38	17.63	17.68	
		5 785	17.58	16.73	17.63	17.63	
		5 825	17.63	17.63	17.68	17.68	
802.11ac VHT40	UNII-3	5 755	36.56	36.46	36.46	36.46	
		5 795	36.56	36.46	36.56	36.56	
802.11ac VHT80	UNII-3	5 775	76.12	75.76	76.12	76.00	

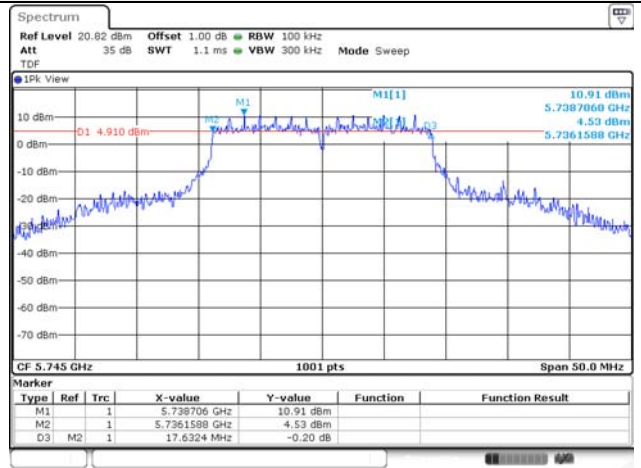
**SISO ANT 0**



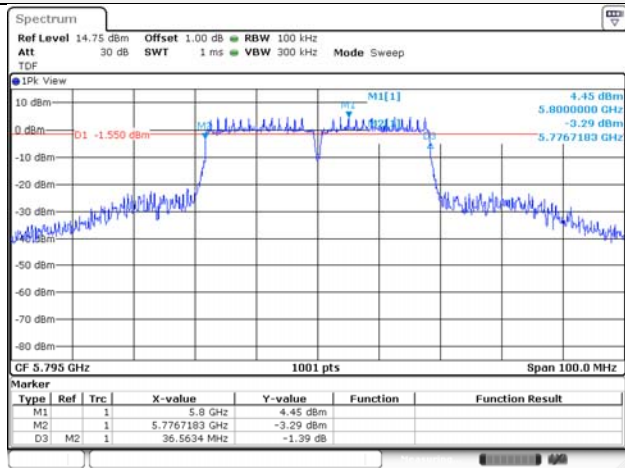
**UNII-3 / 802.11n HT40 / 5 755 MHz**



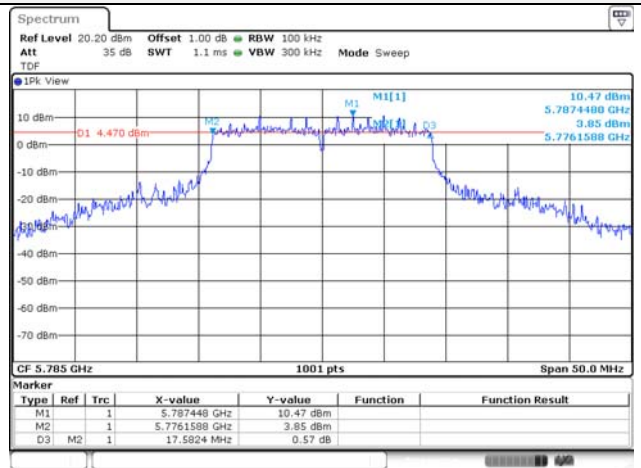
**UNII-3 / 802.11ac VHT20 / 5 745 MHz**



**UNII-3 / 802.11n HT40 / 5 795 MHz**



**UNII-3 / 802.11ac VHT20 / 5 785 MHz**



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**UNII-3 / 802.11ac VHT20 / 5 825 MHz**

