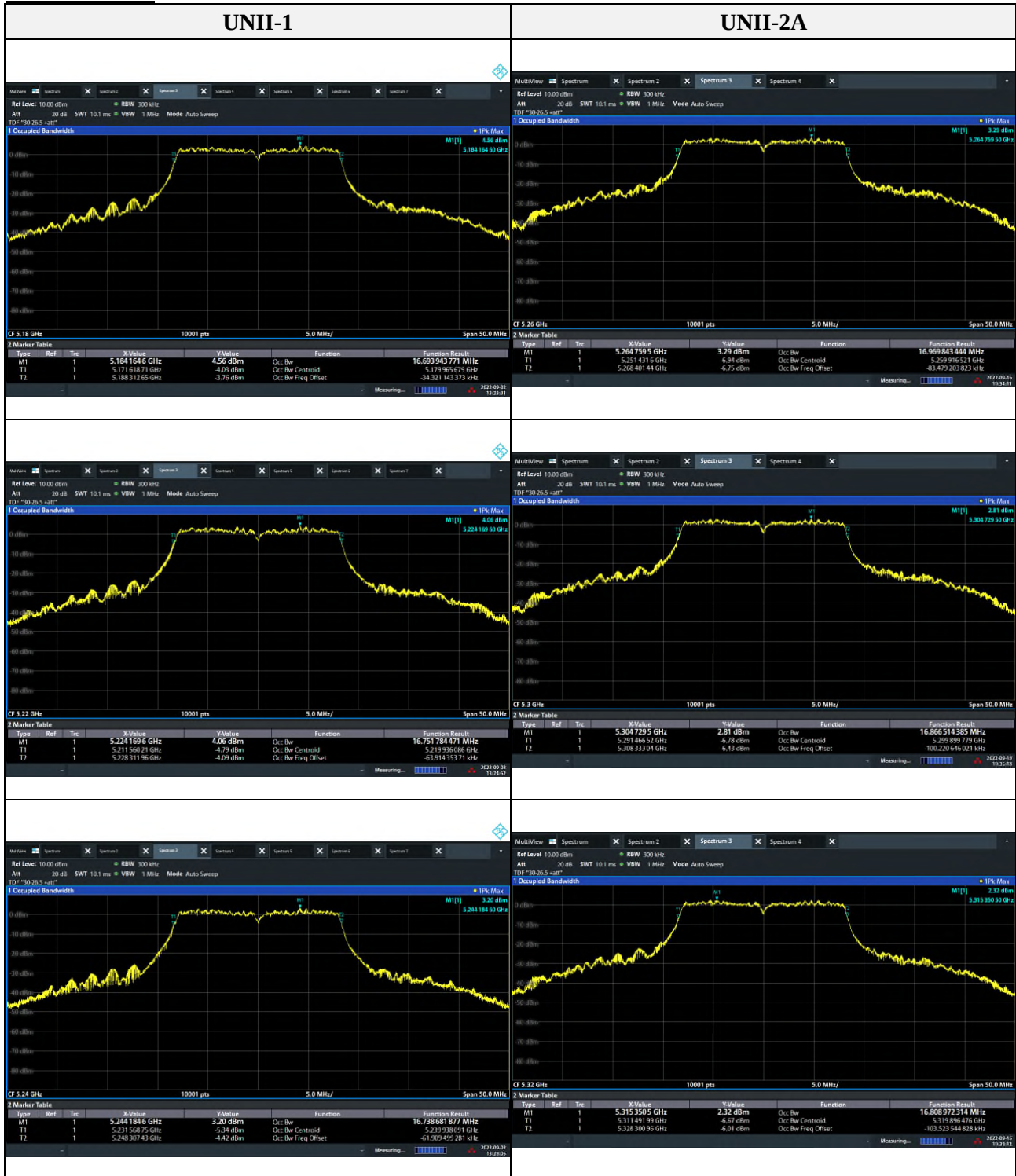


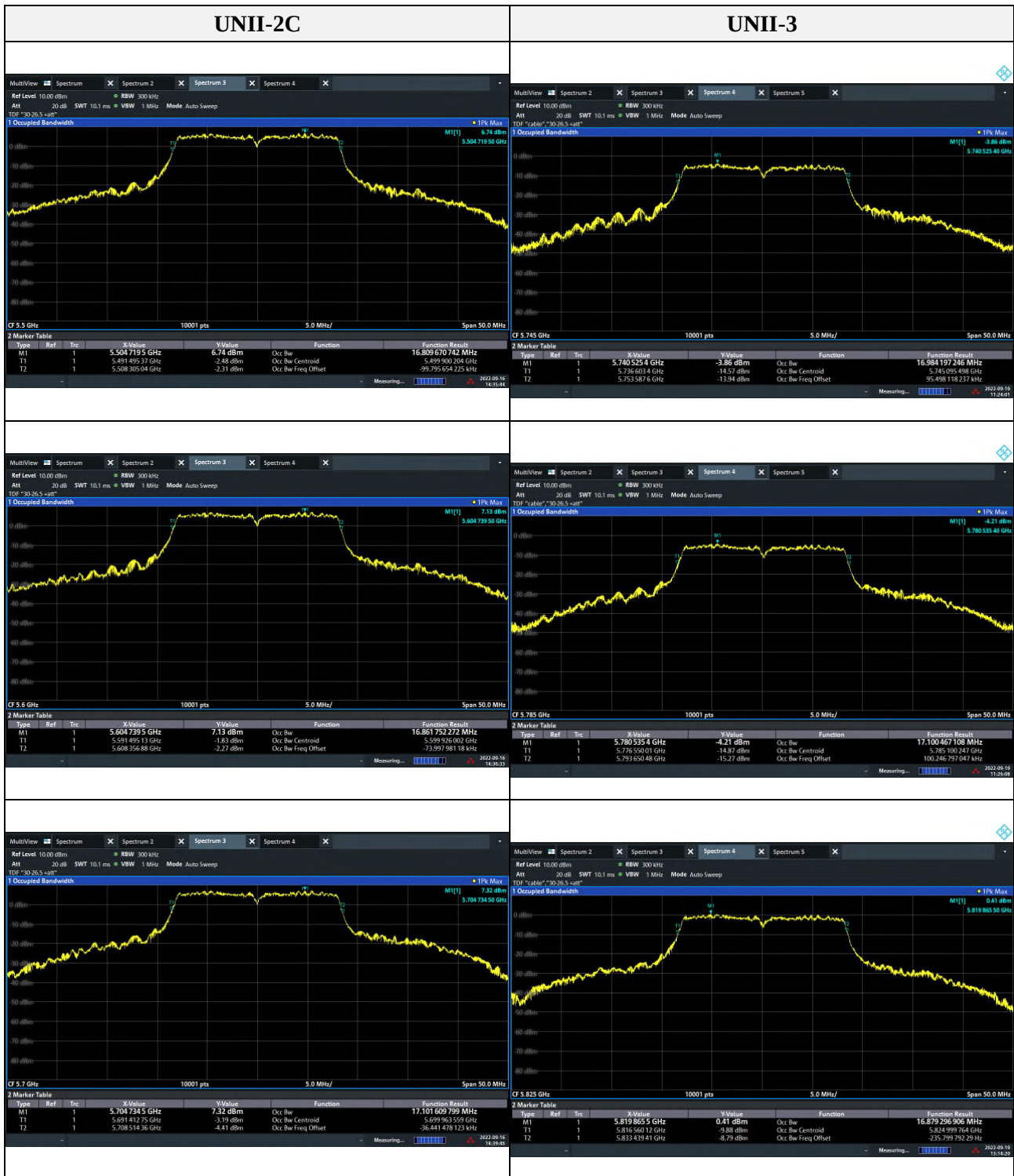
99% bandwidth

ANT1

Mode : 802.11a

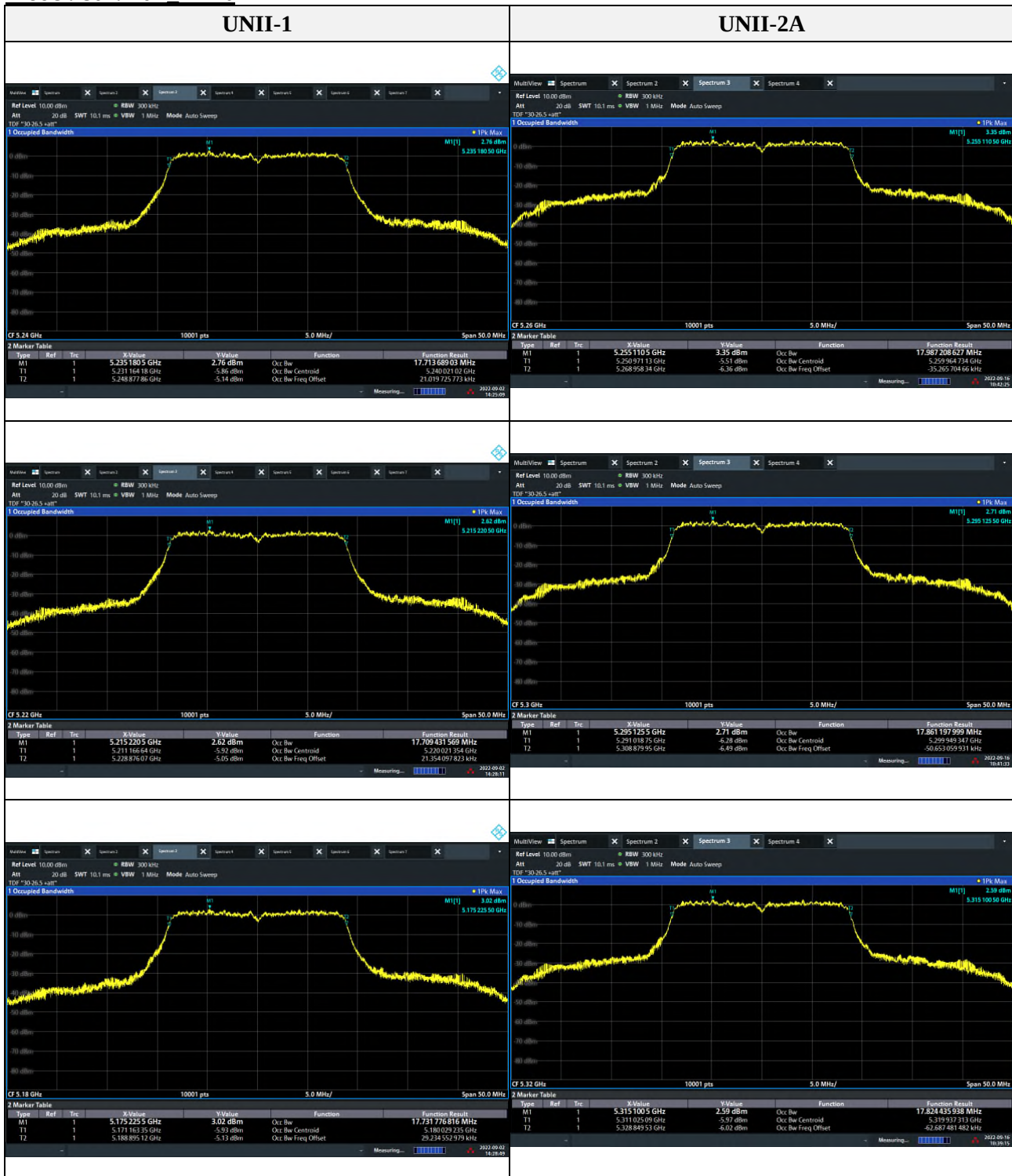


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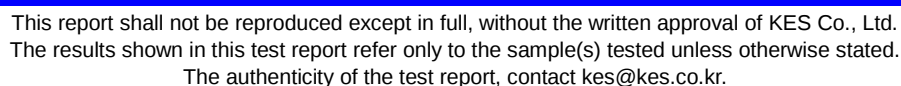


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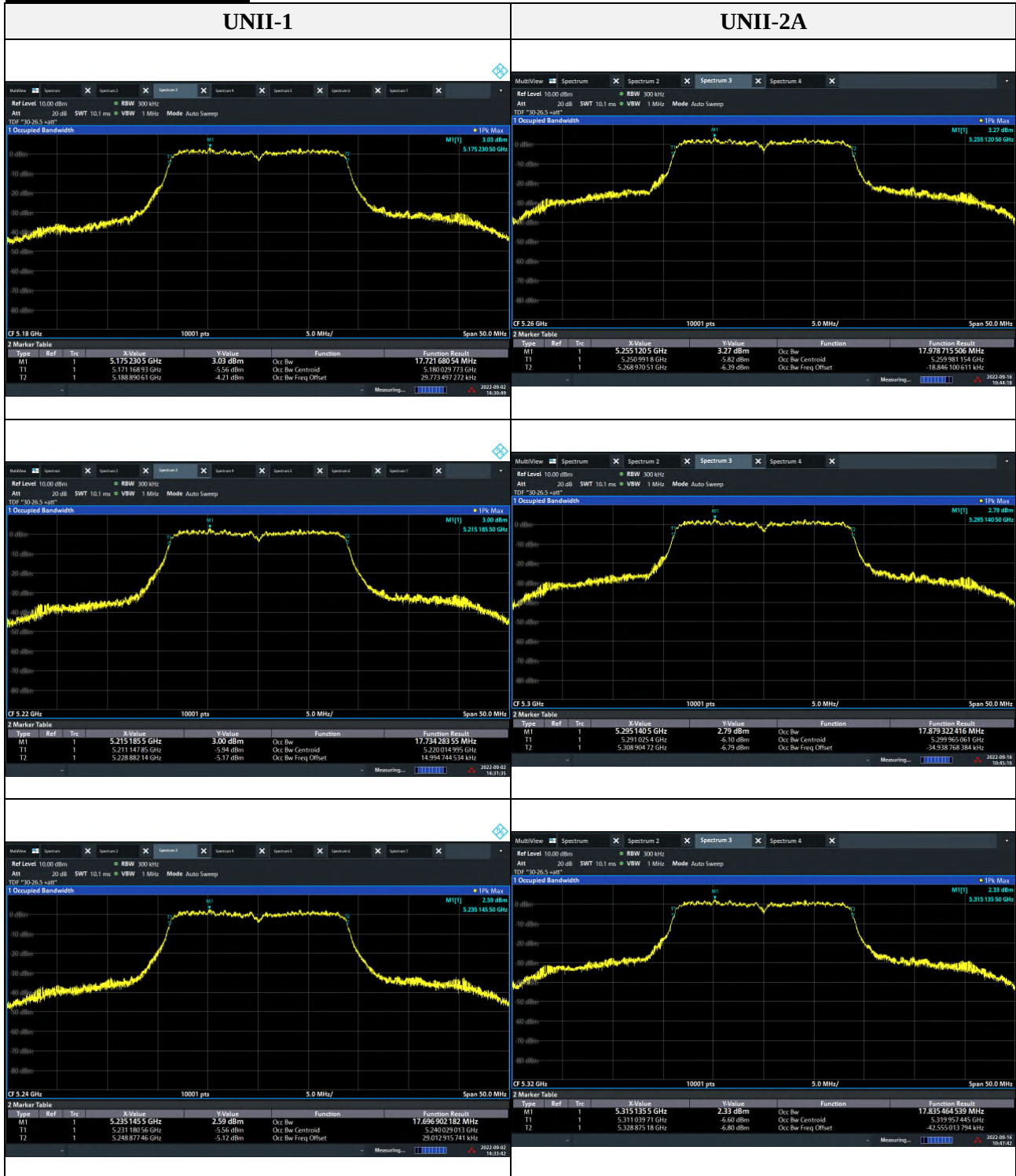
Mode : 802.11an HT20



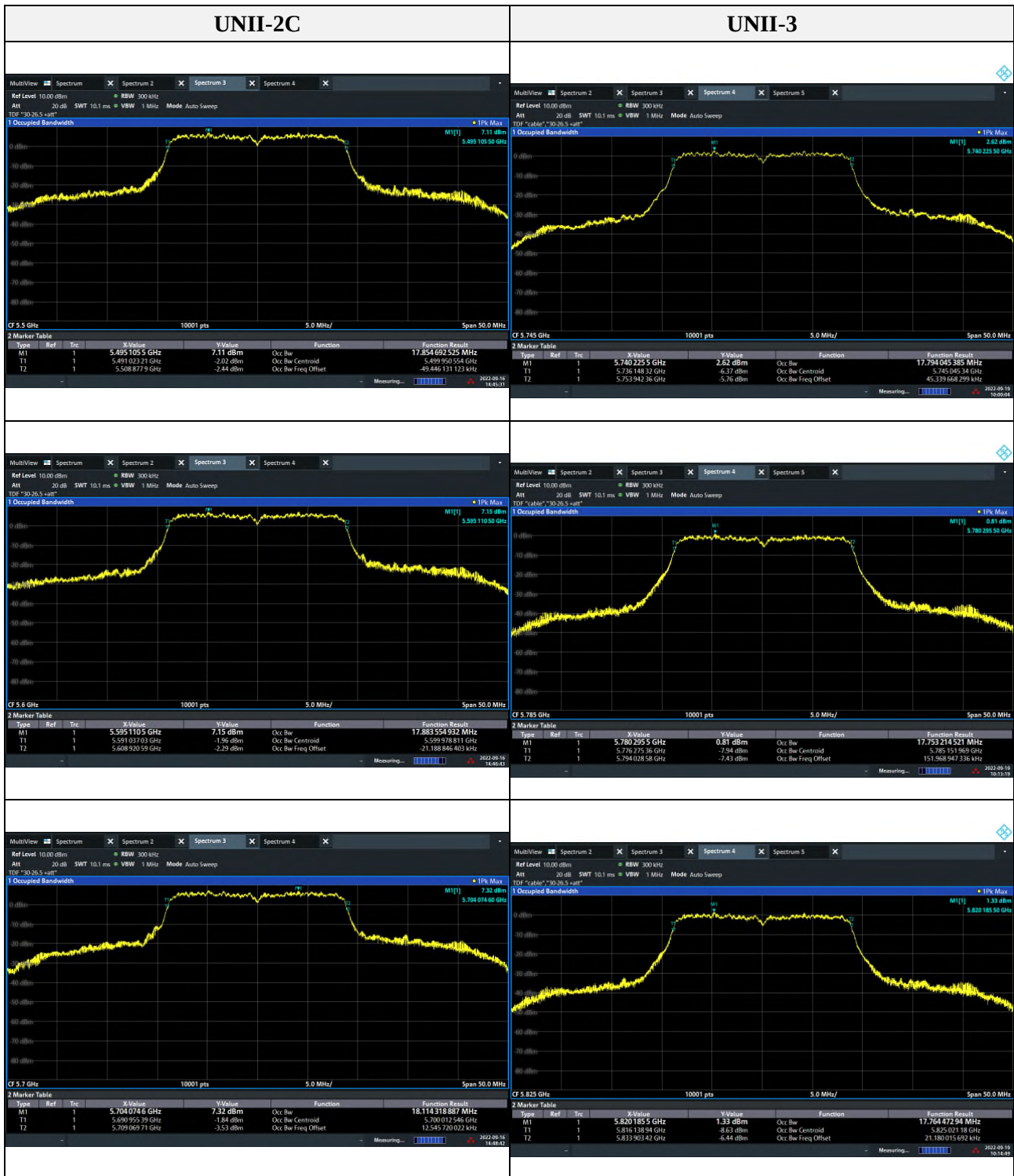
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Mode : 802.11ac VHT20

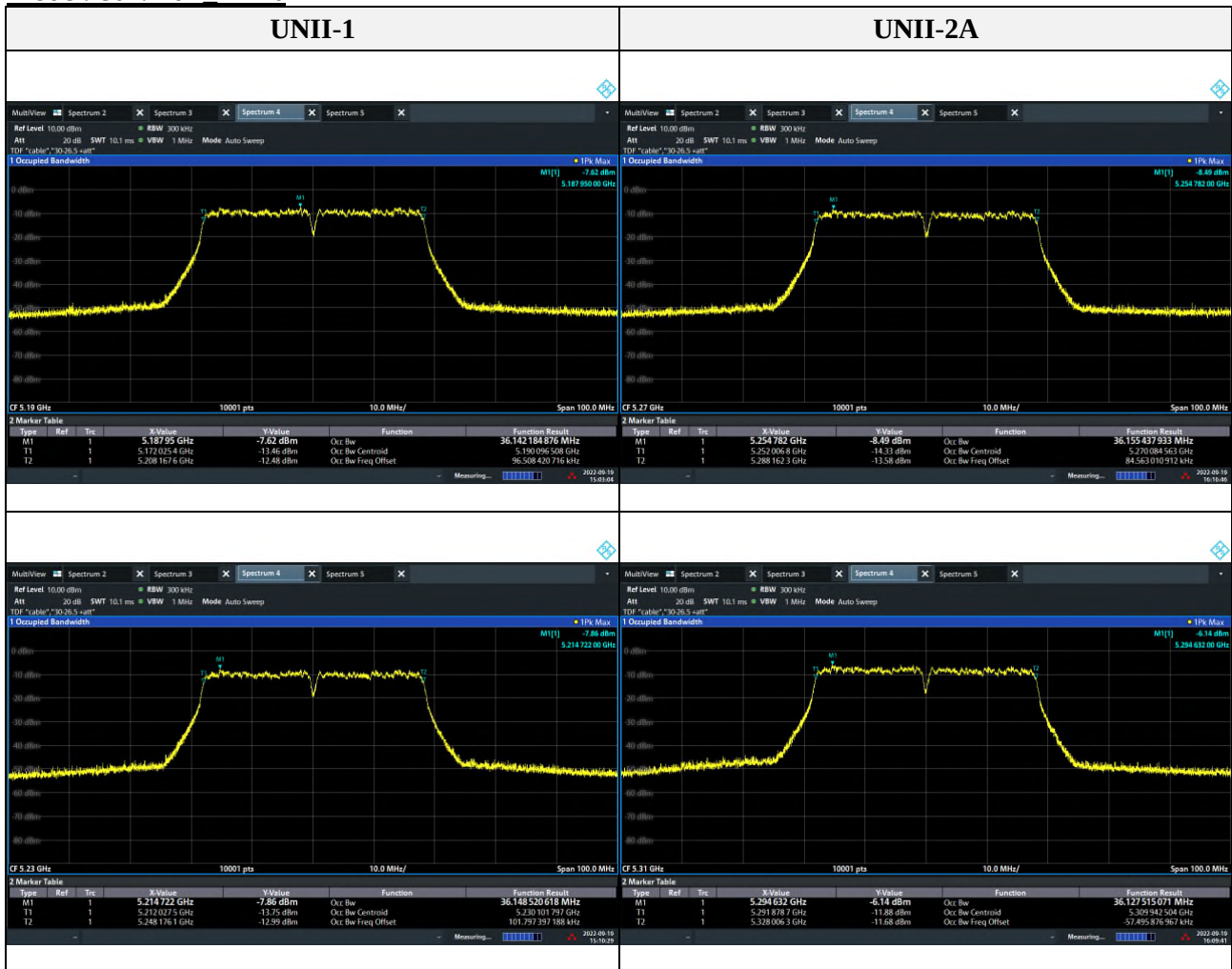


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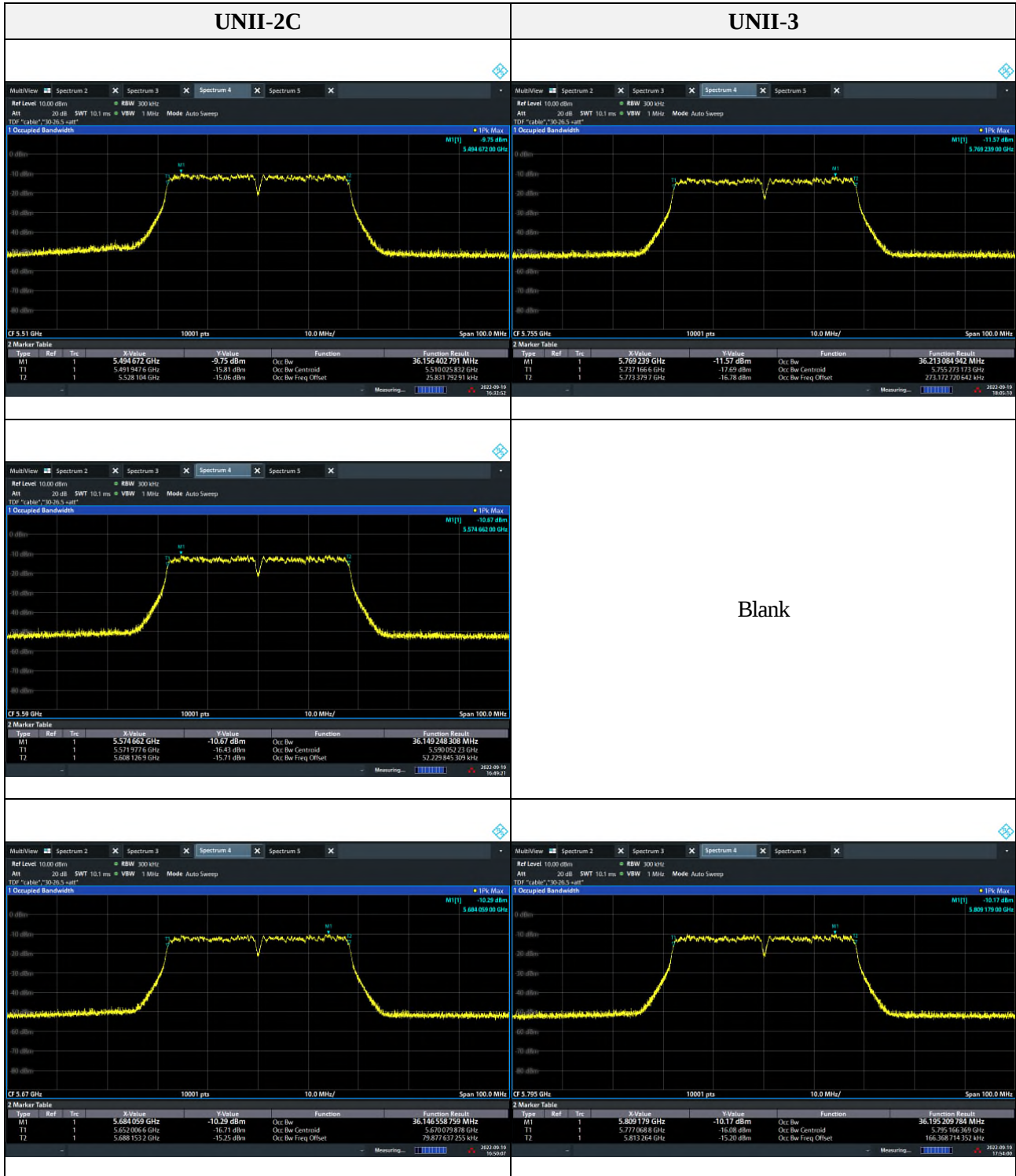


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Mode : 802.11an HT40

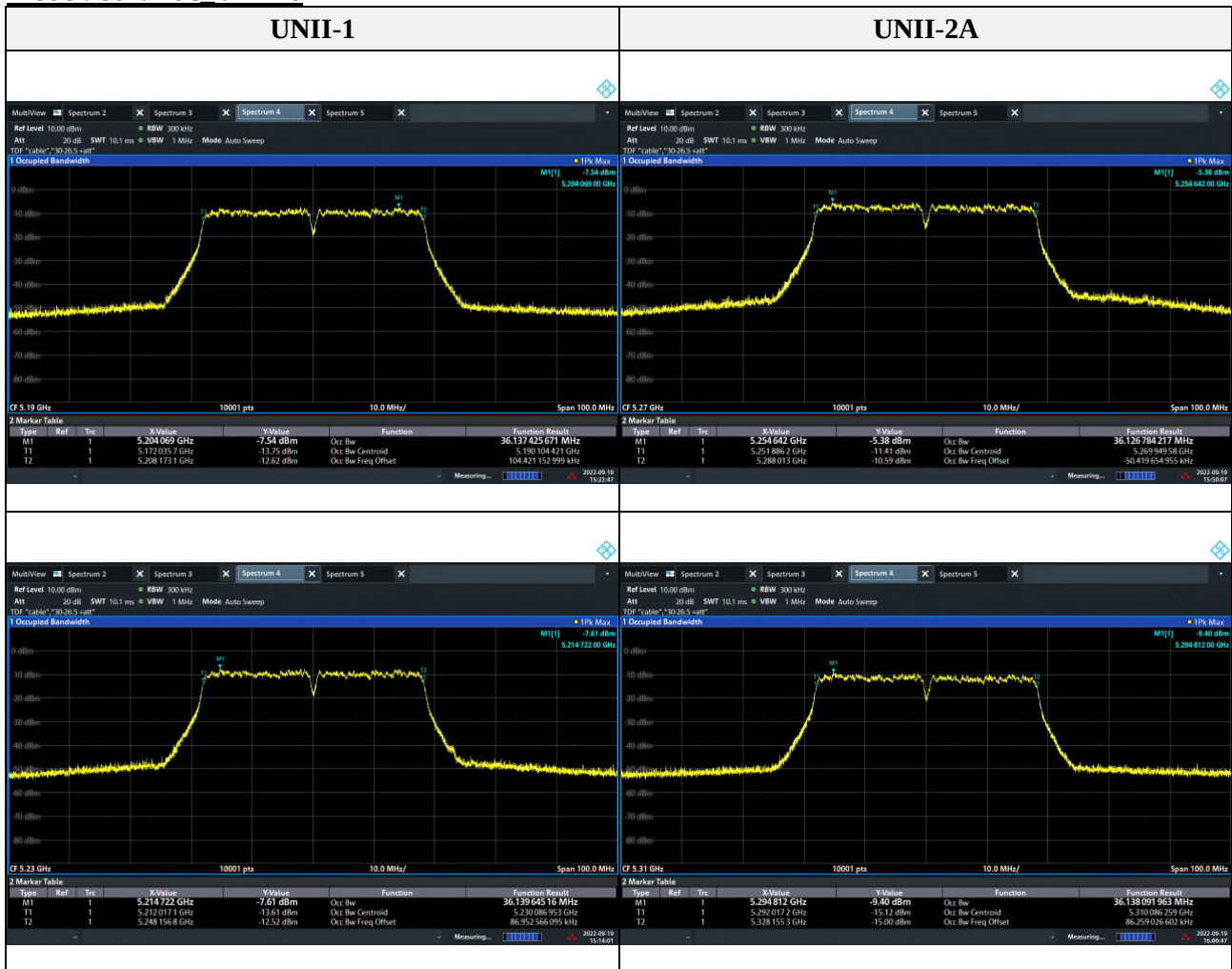


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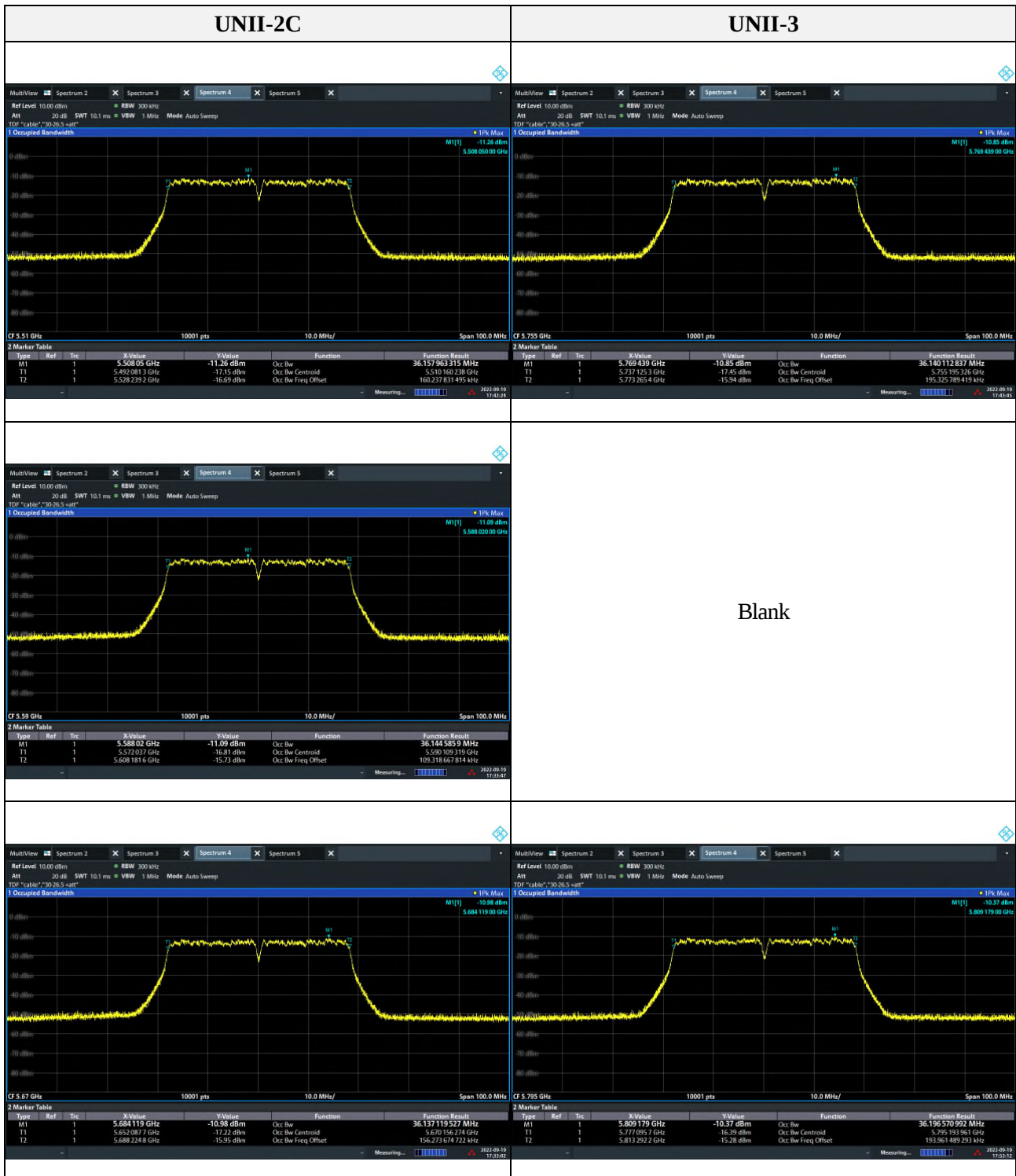


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Mode : 802.11ac VHT40

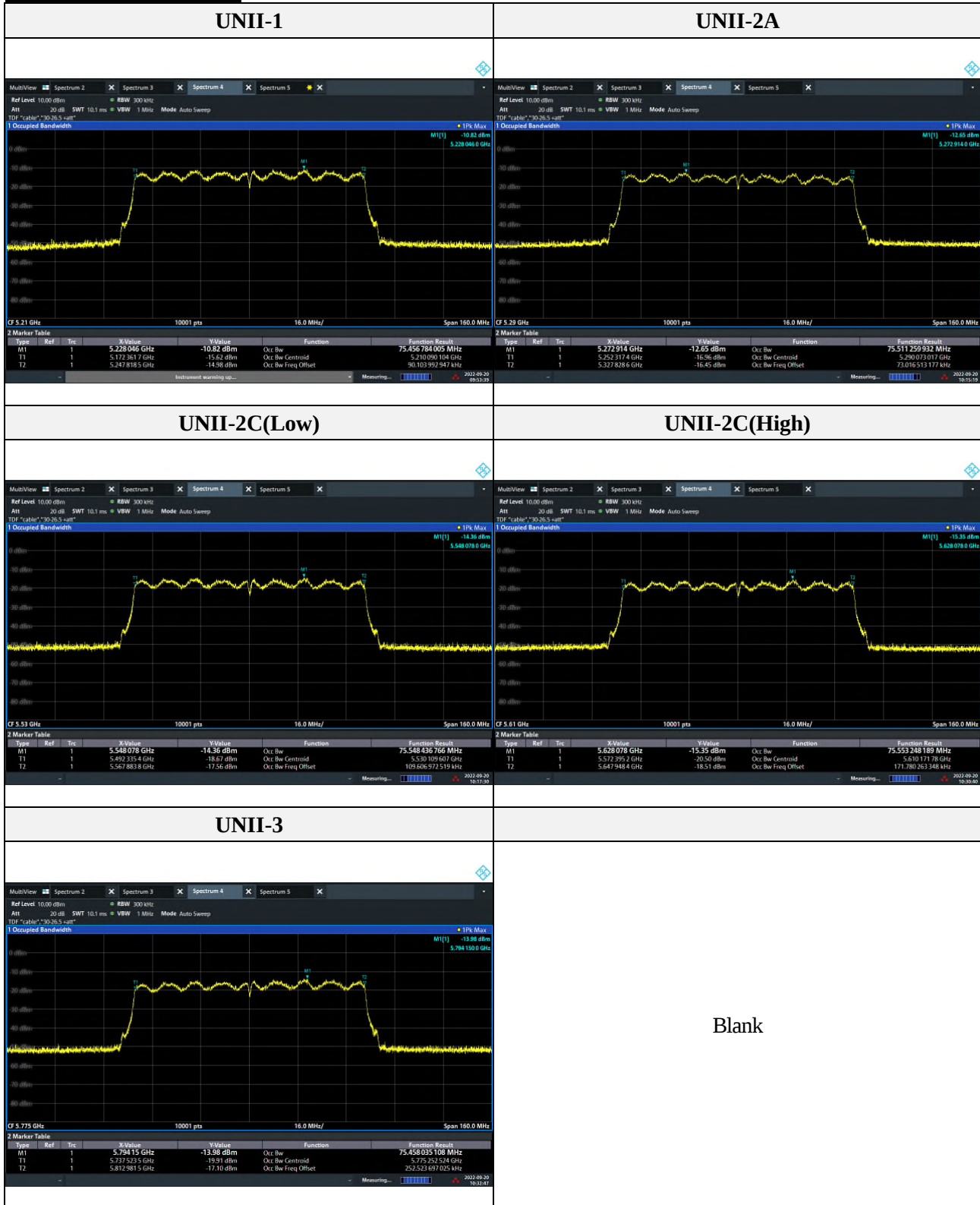


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Mode : 802.11ac VHT80

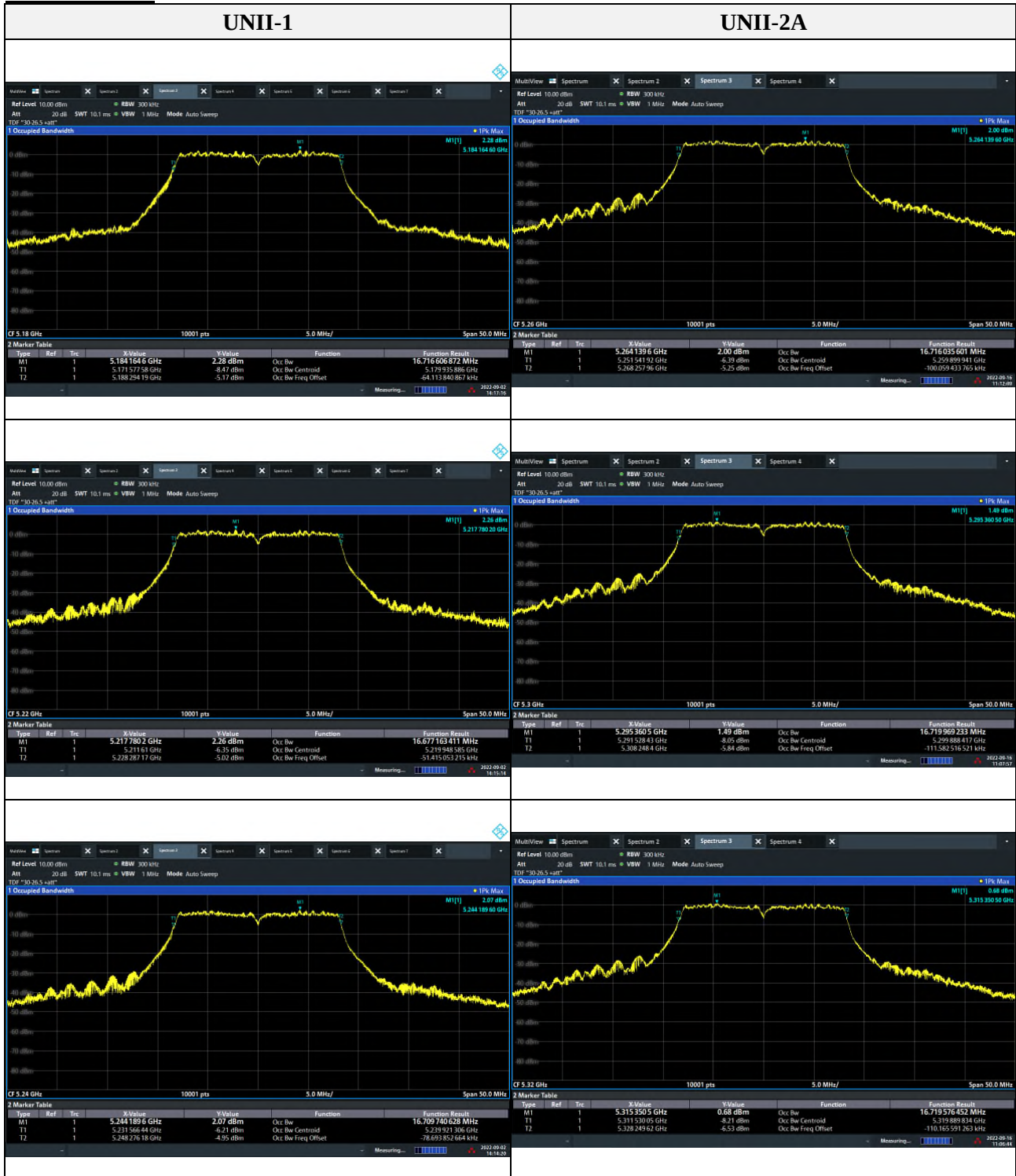


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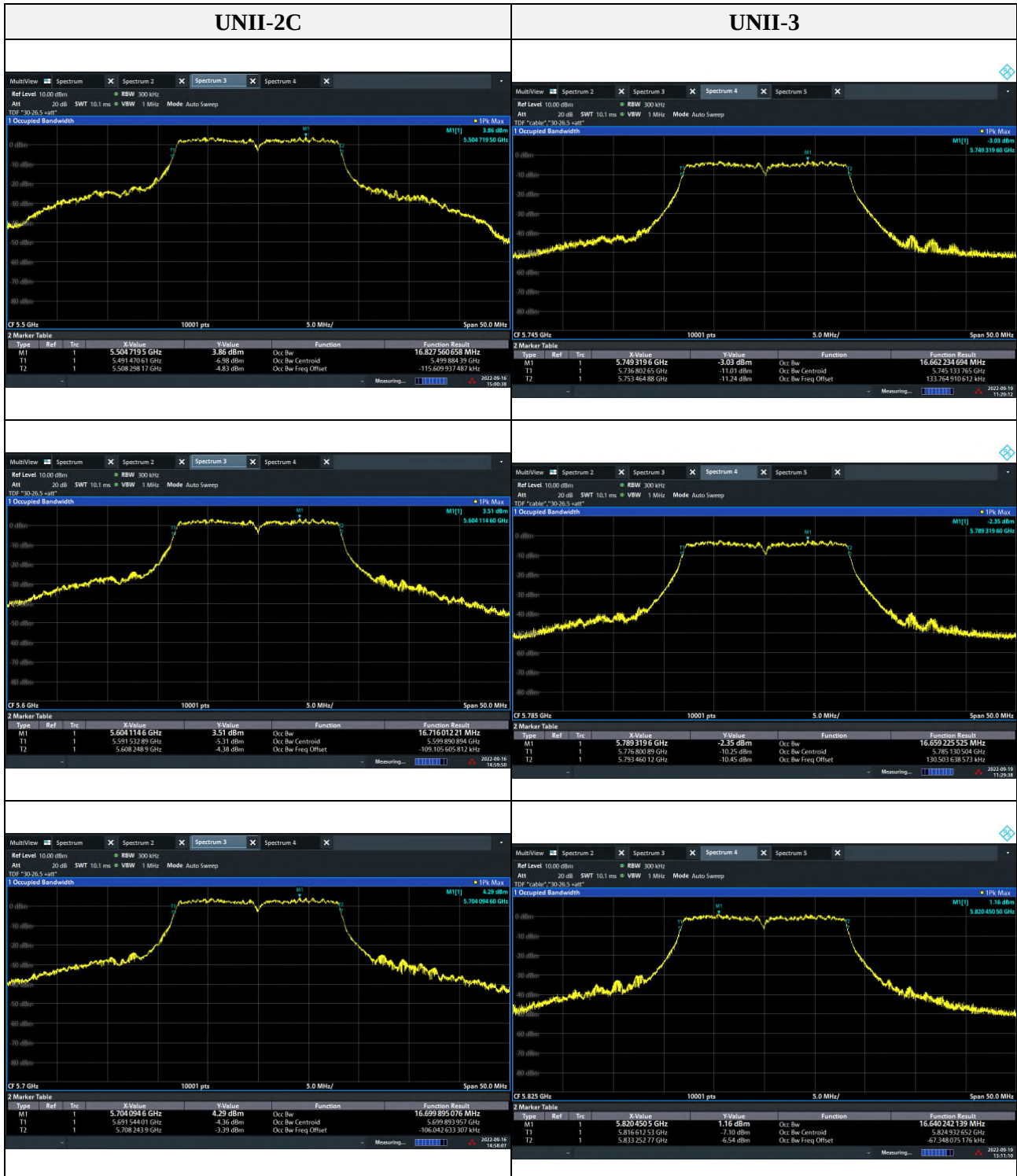
99% bandwidth

ANT2

Mode : 802.11a

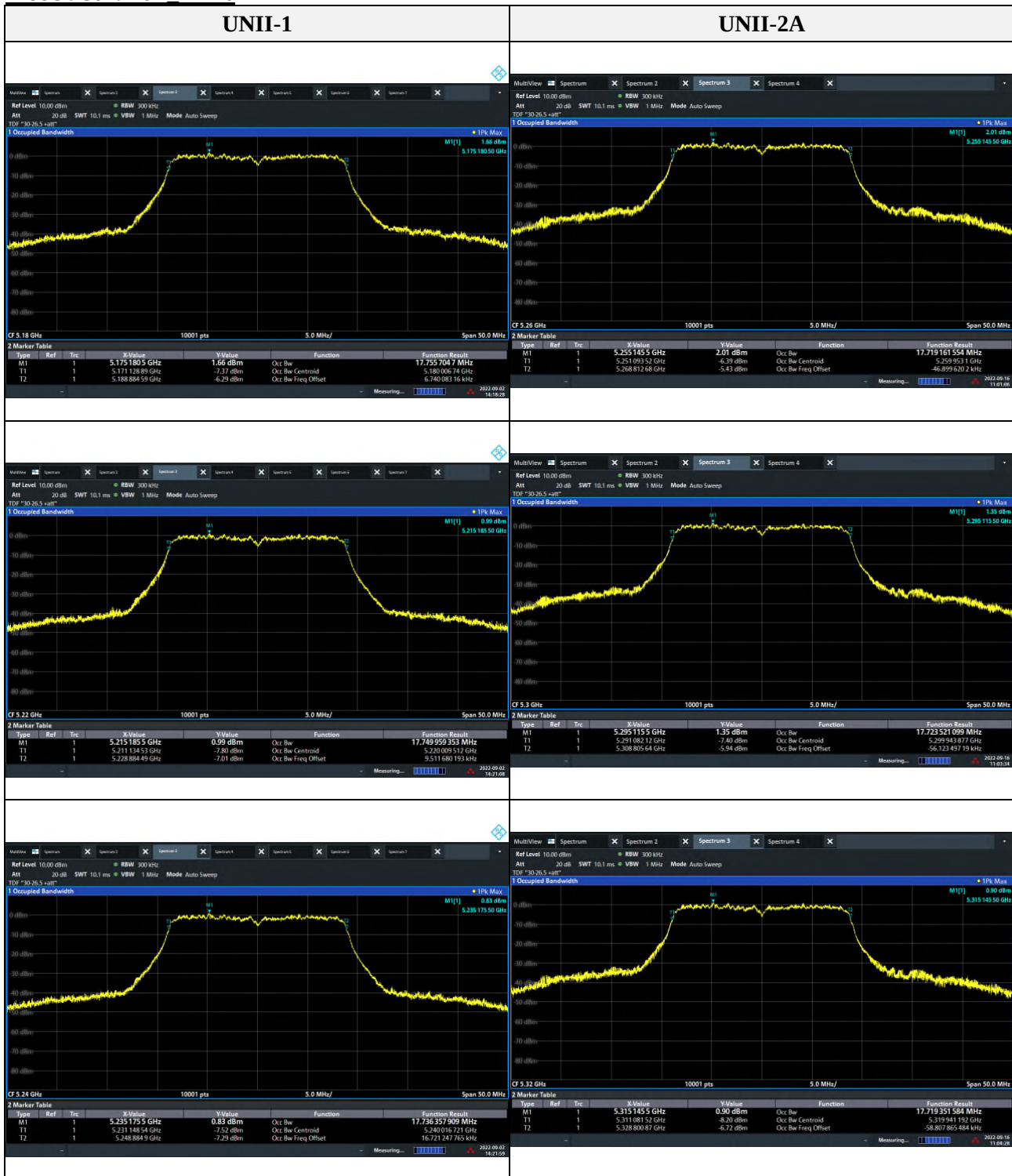


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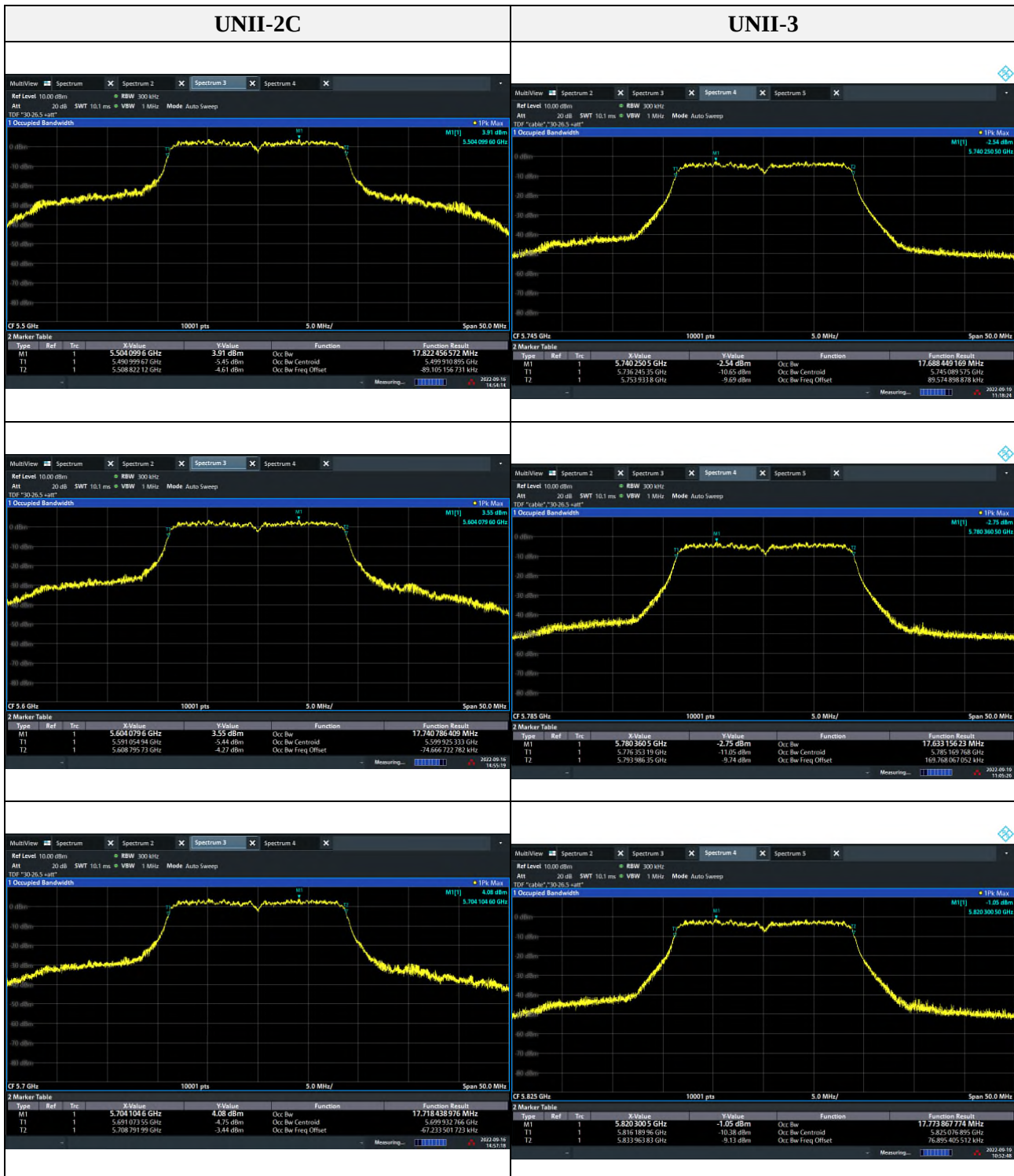


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Mode : 802.11an HT20

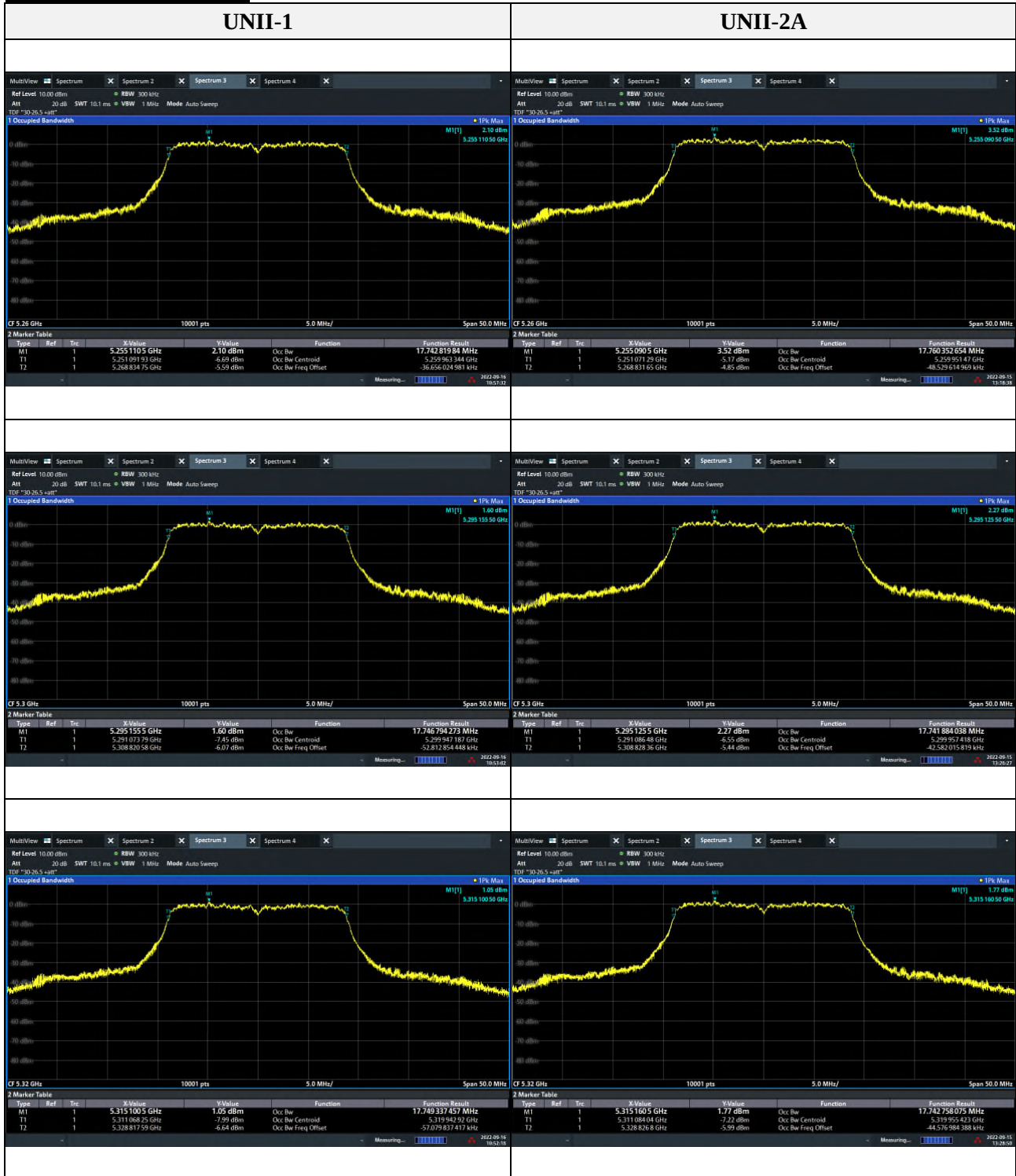


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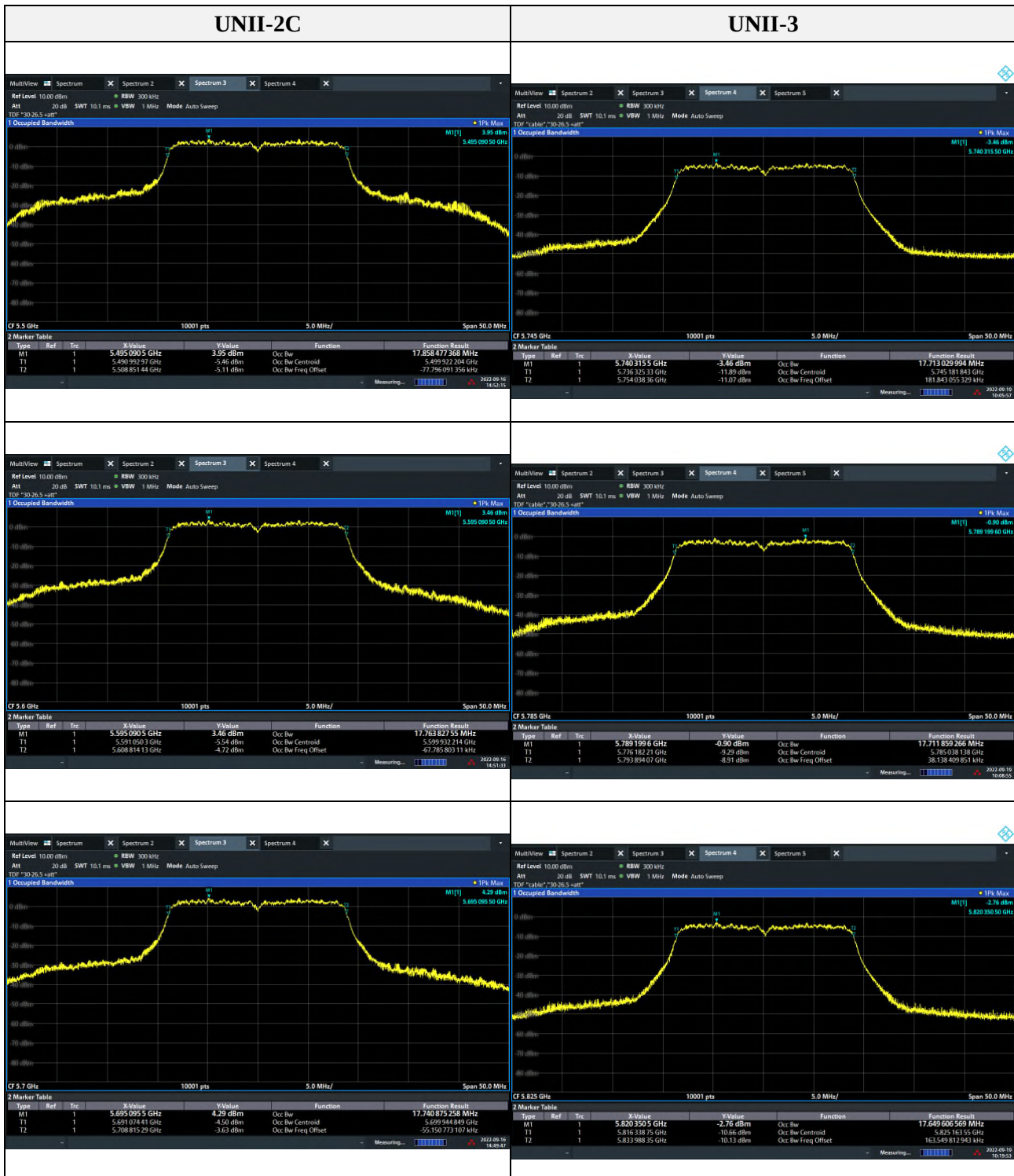


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Mode : 802.11ac VHT20

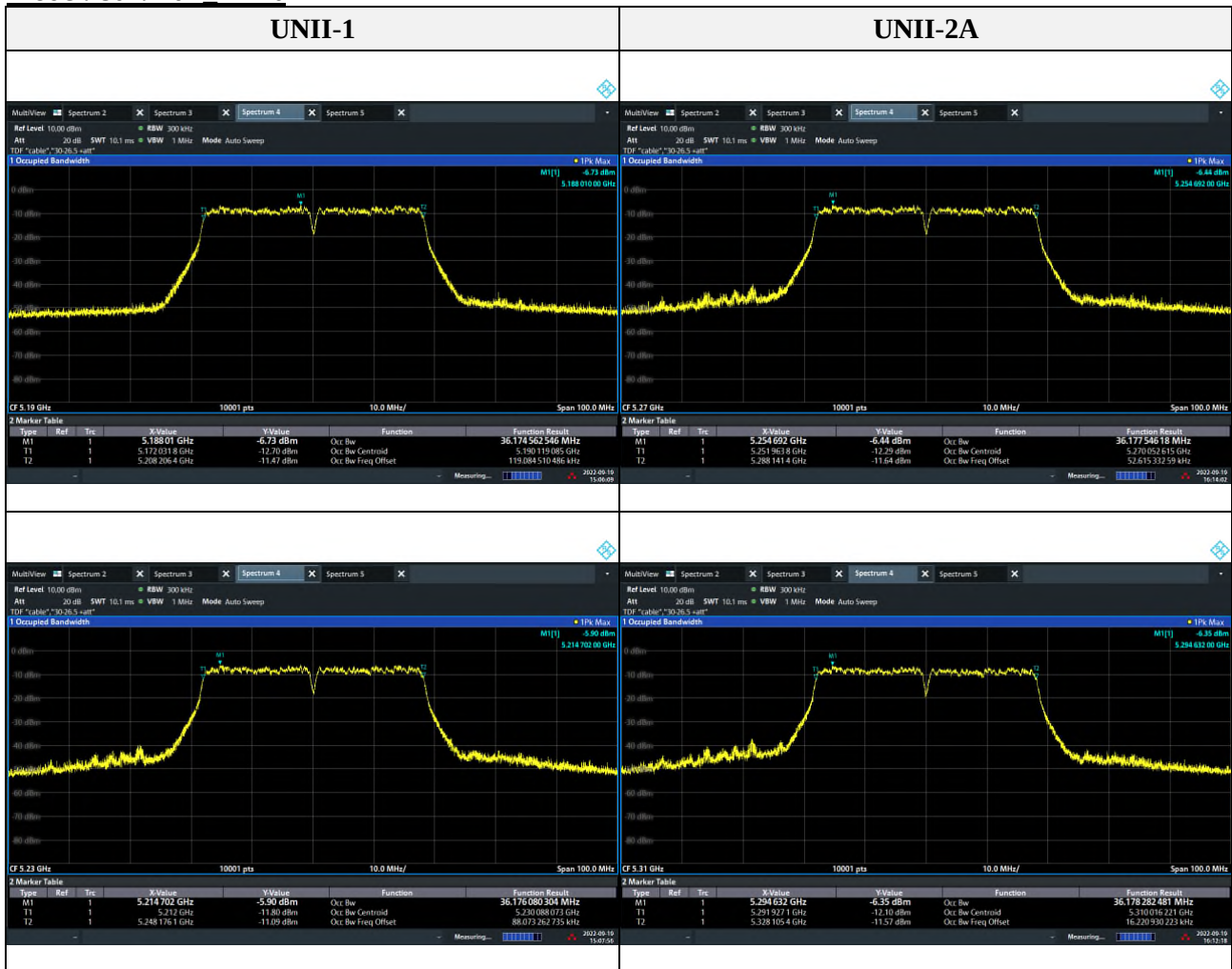


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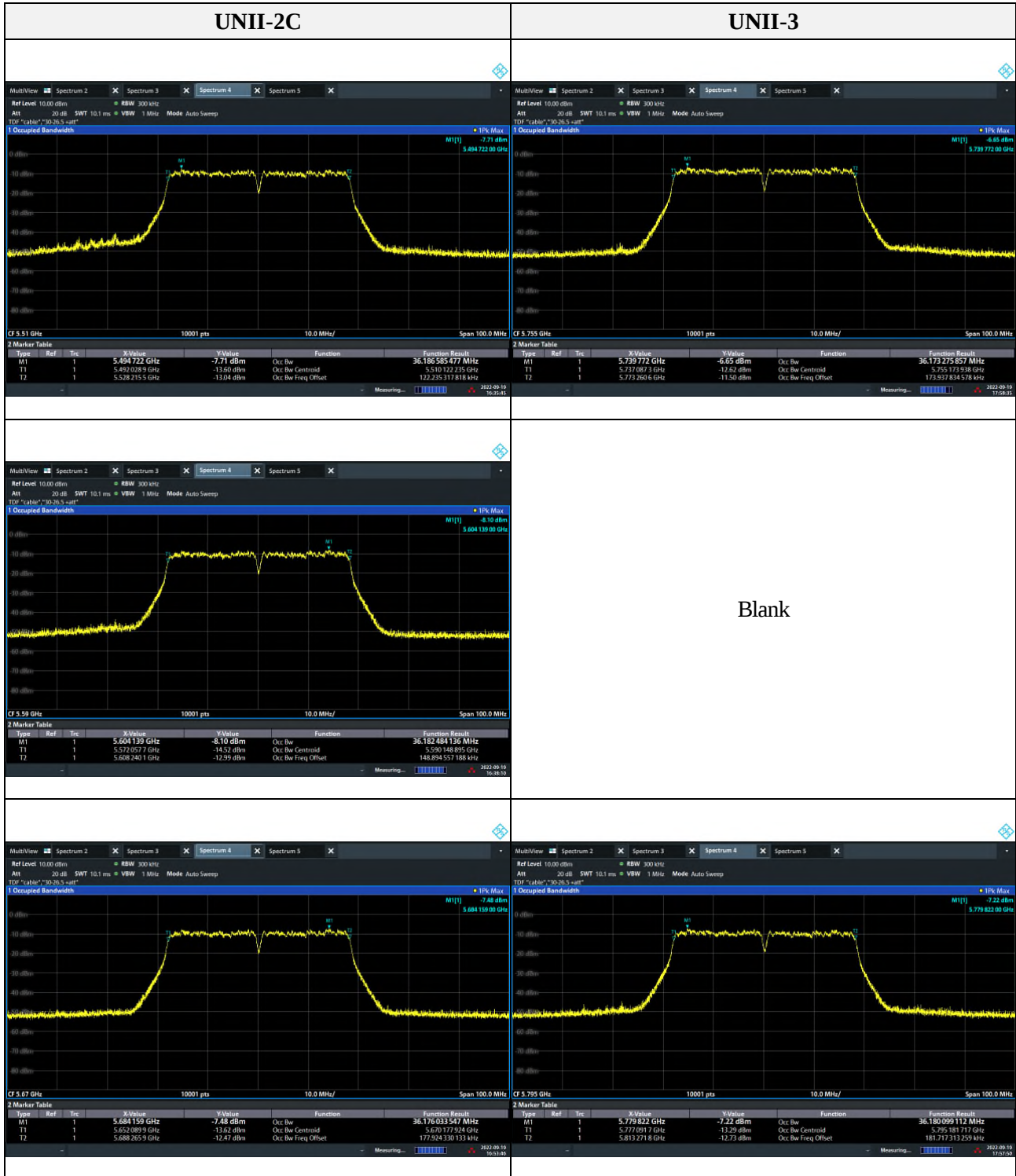


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Mode : 802.11an HT40

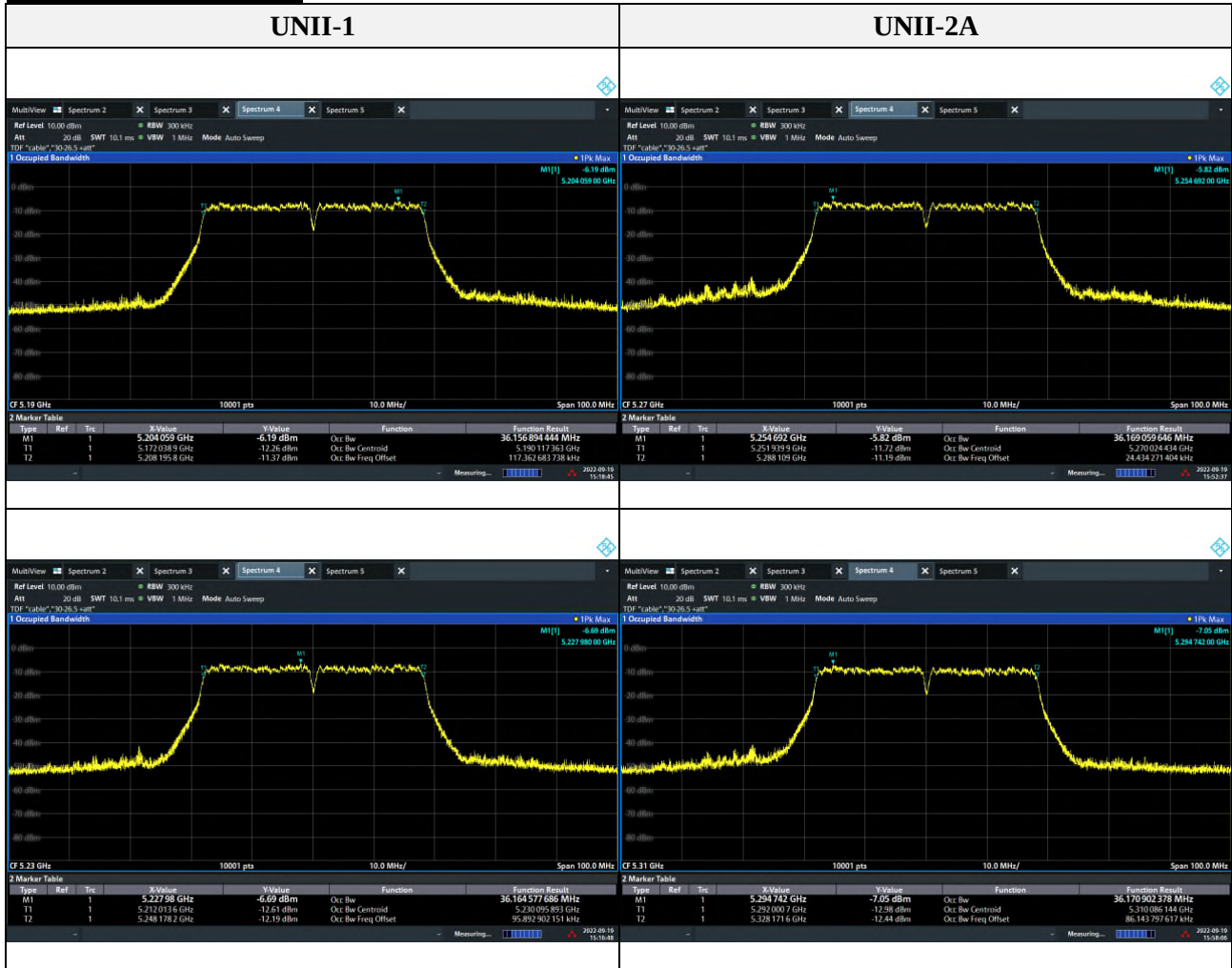


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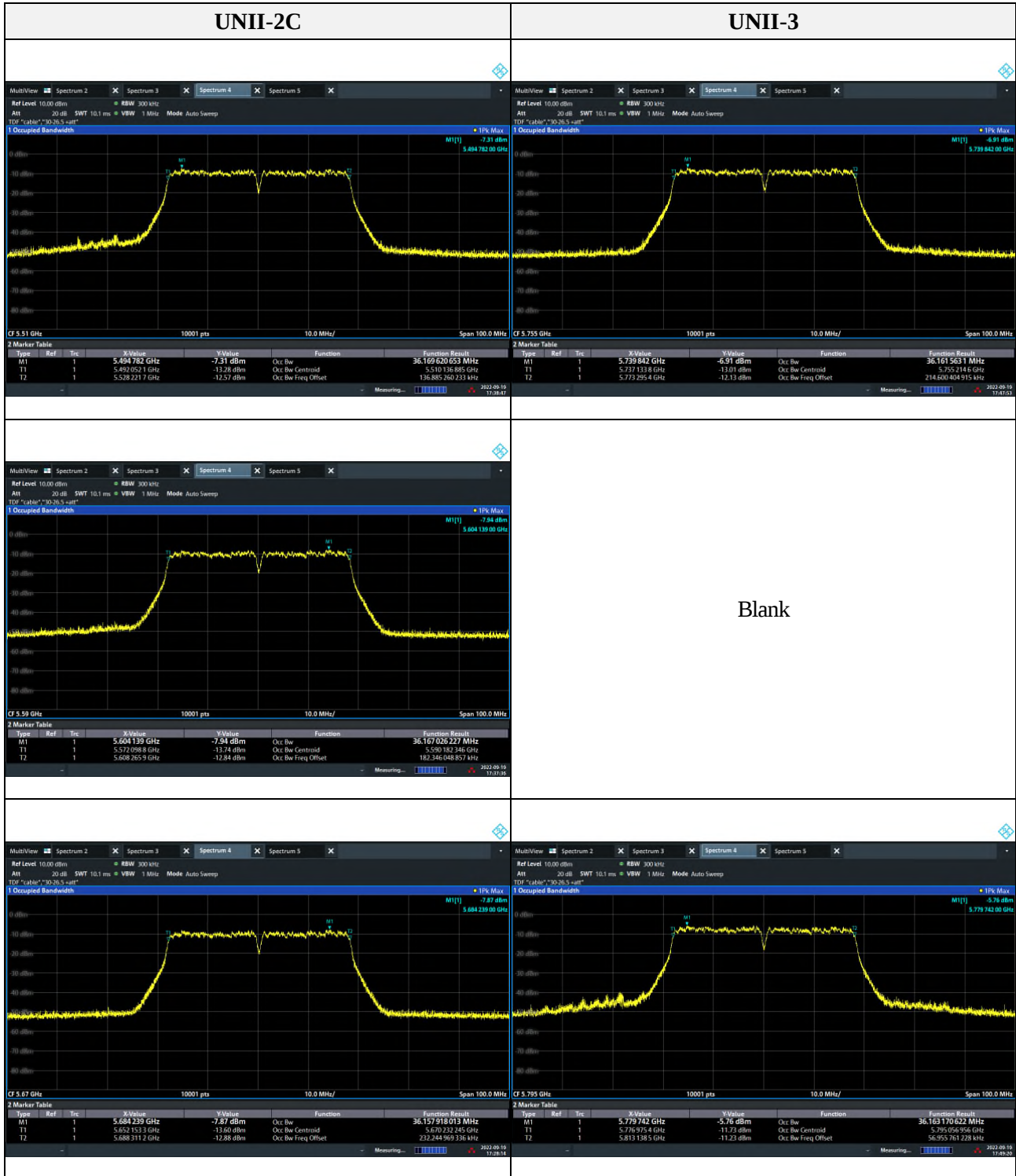


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Mode : 802.11ac VHT40



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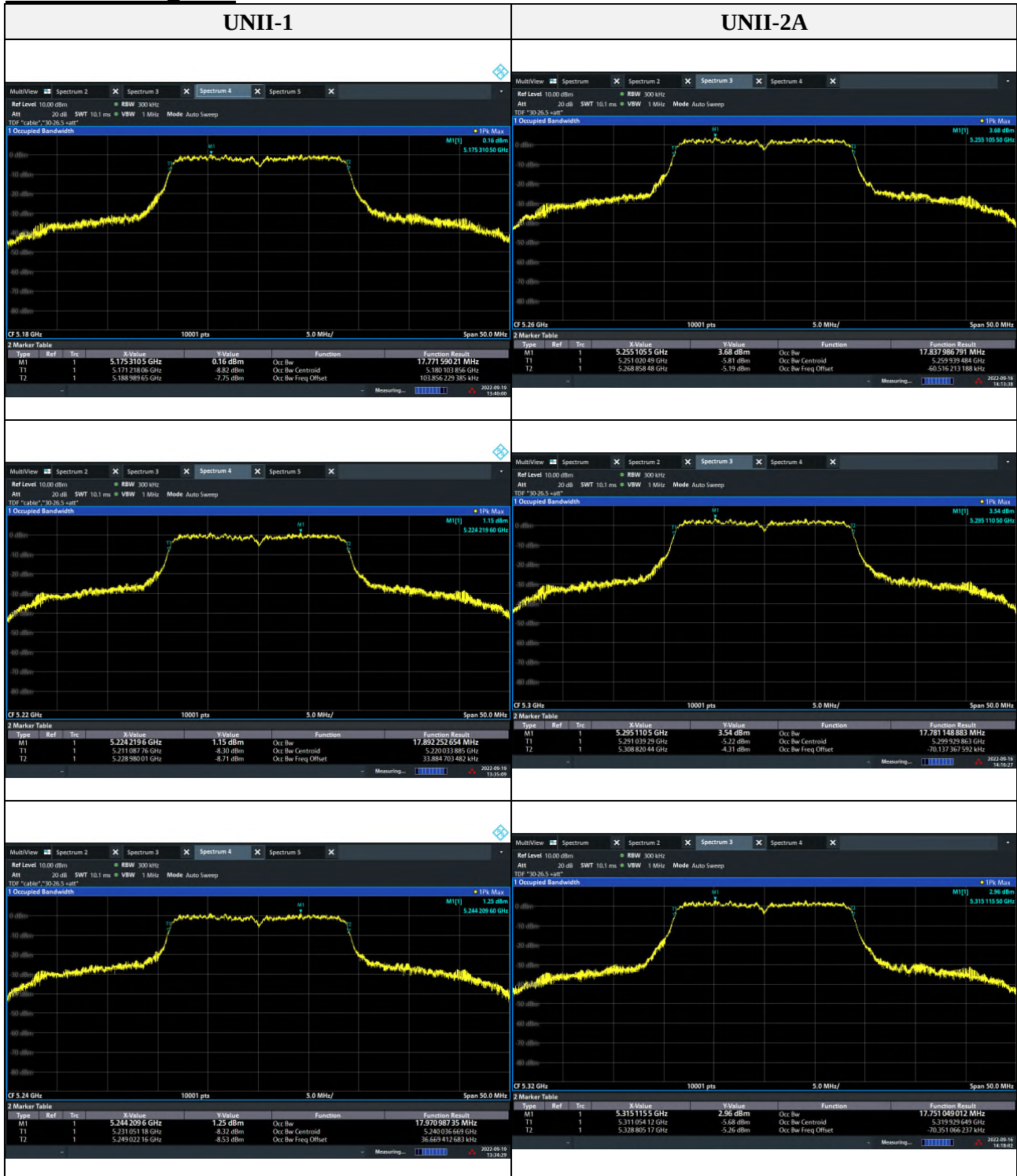
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Mode : 802.11ac VHT80

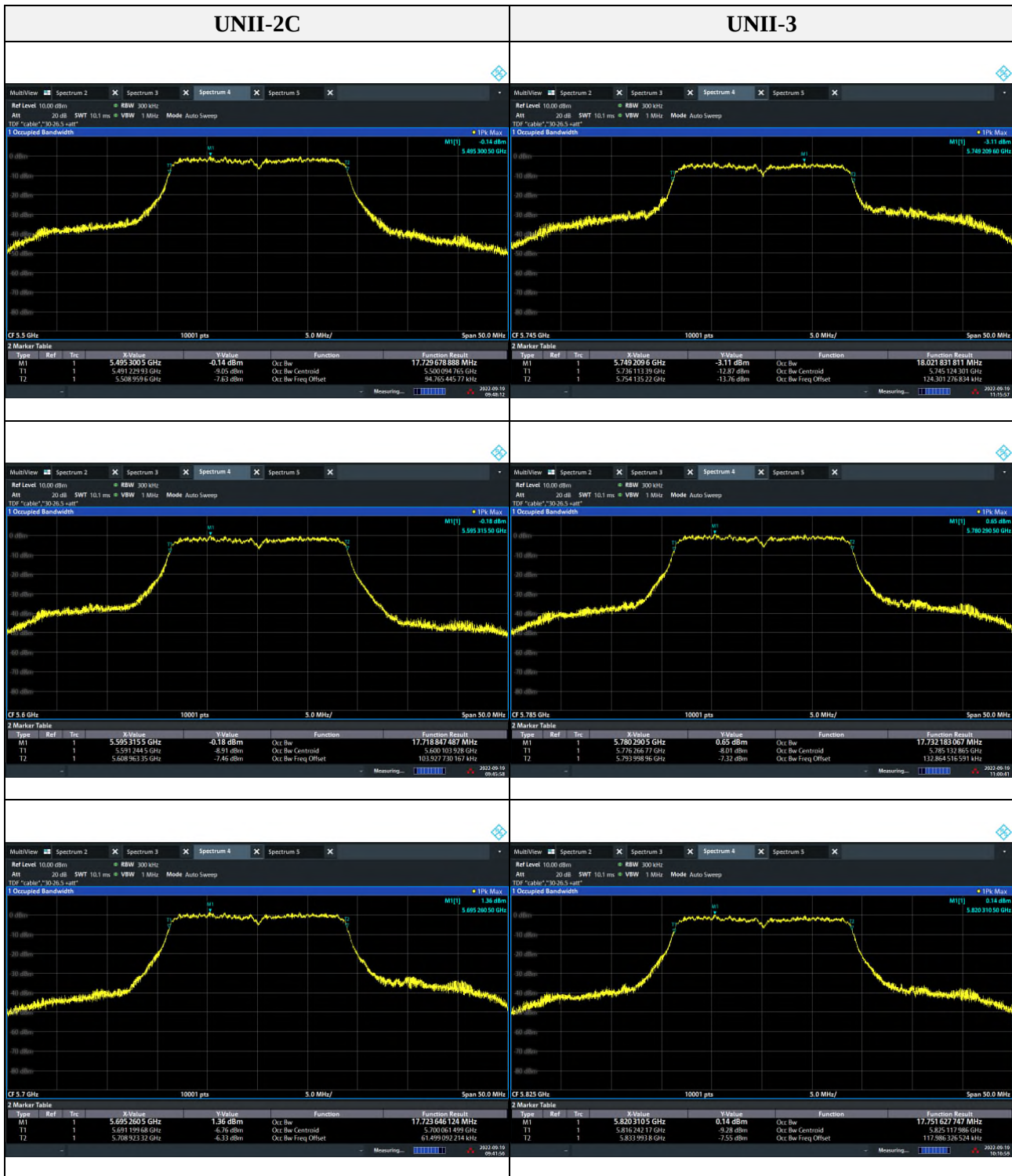


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99% bandwidth
MIMO ANT1
Mode : 802.11an HT20

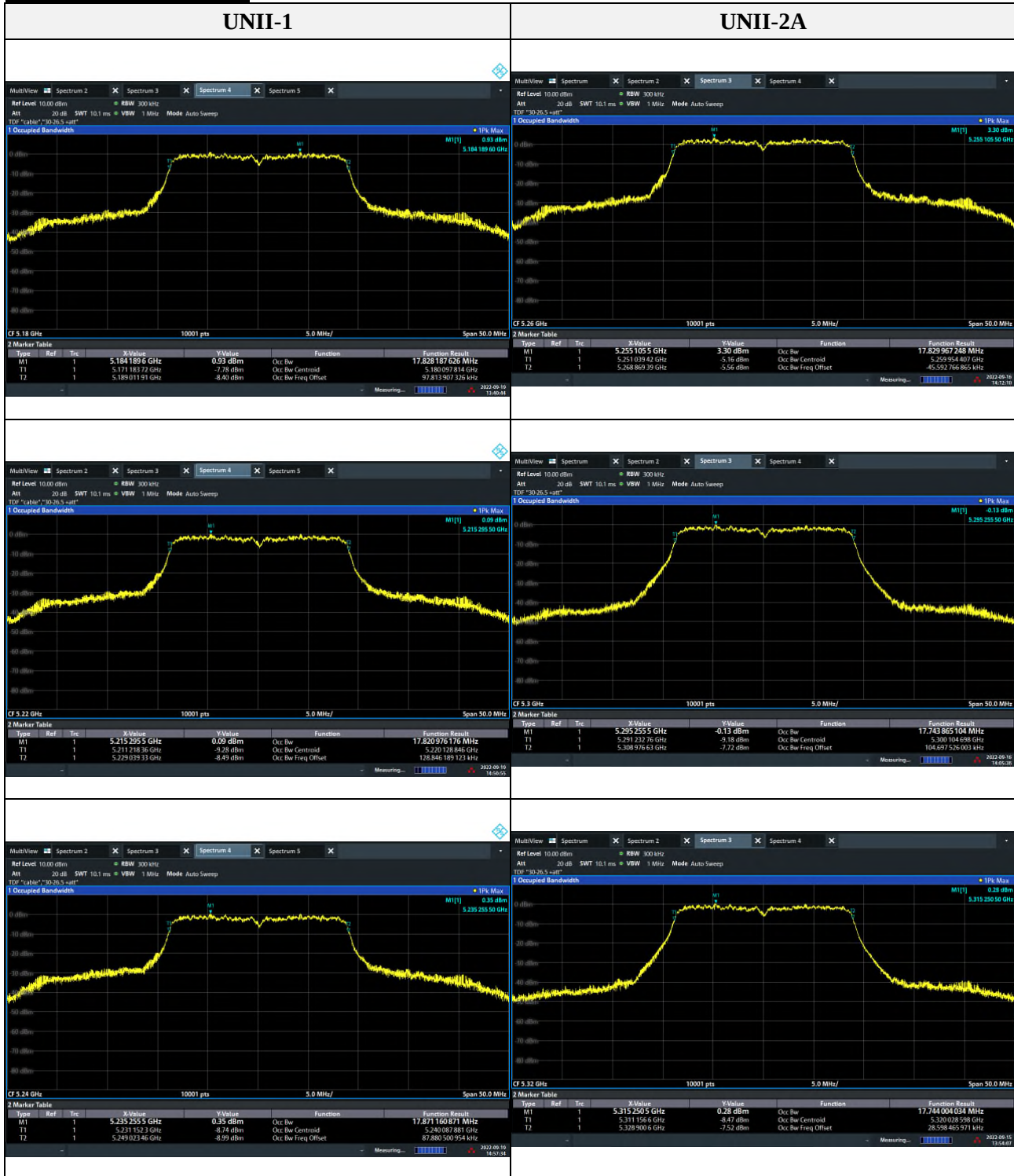


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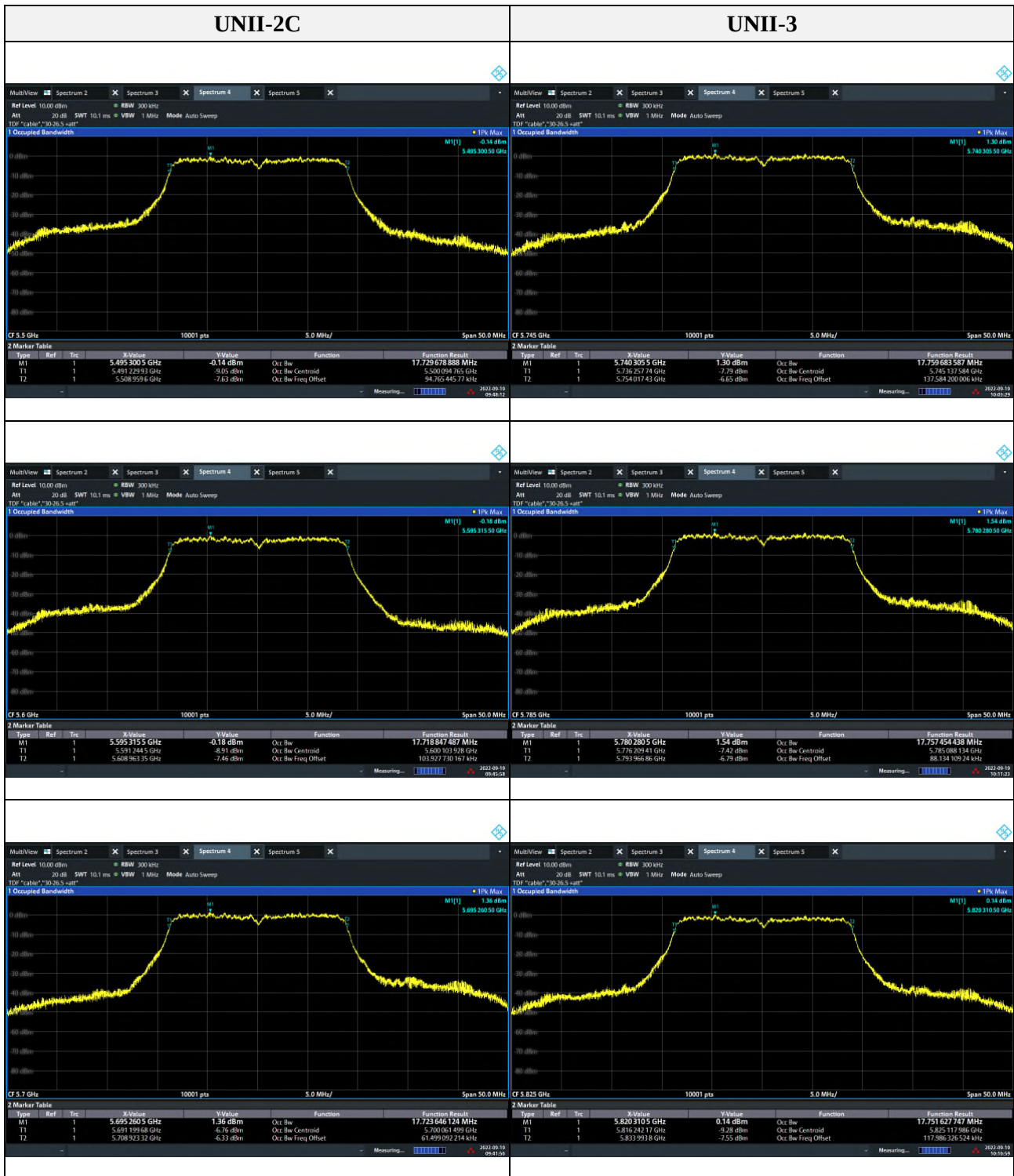


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Mode : 802.11ac VHT20

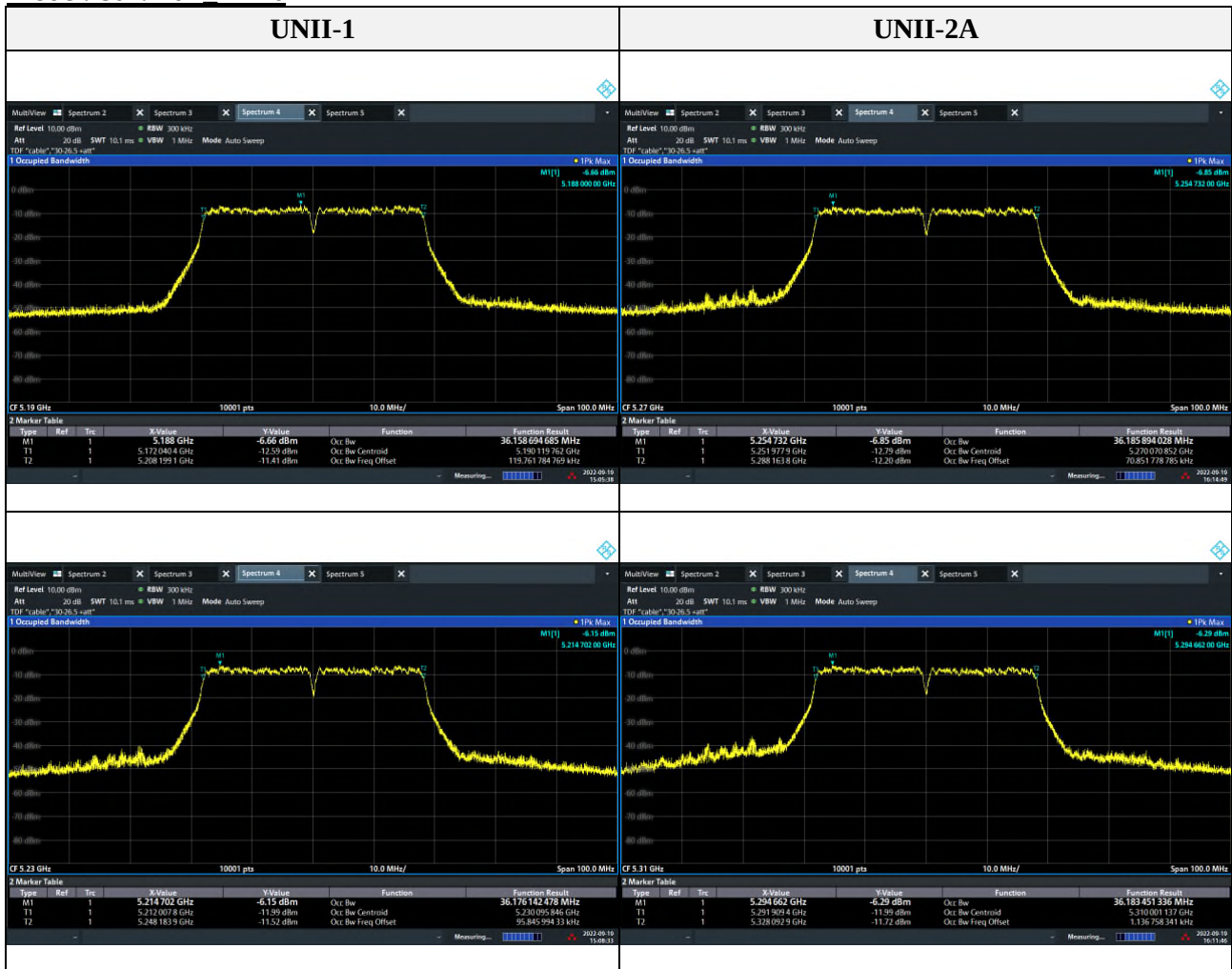


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Mode : 802.11an HT40

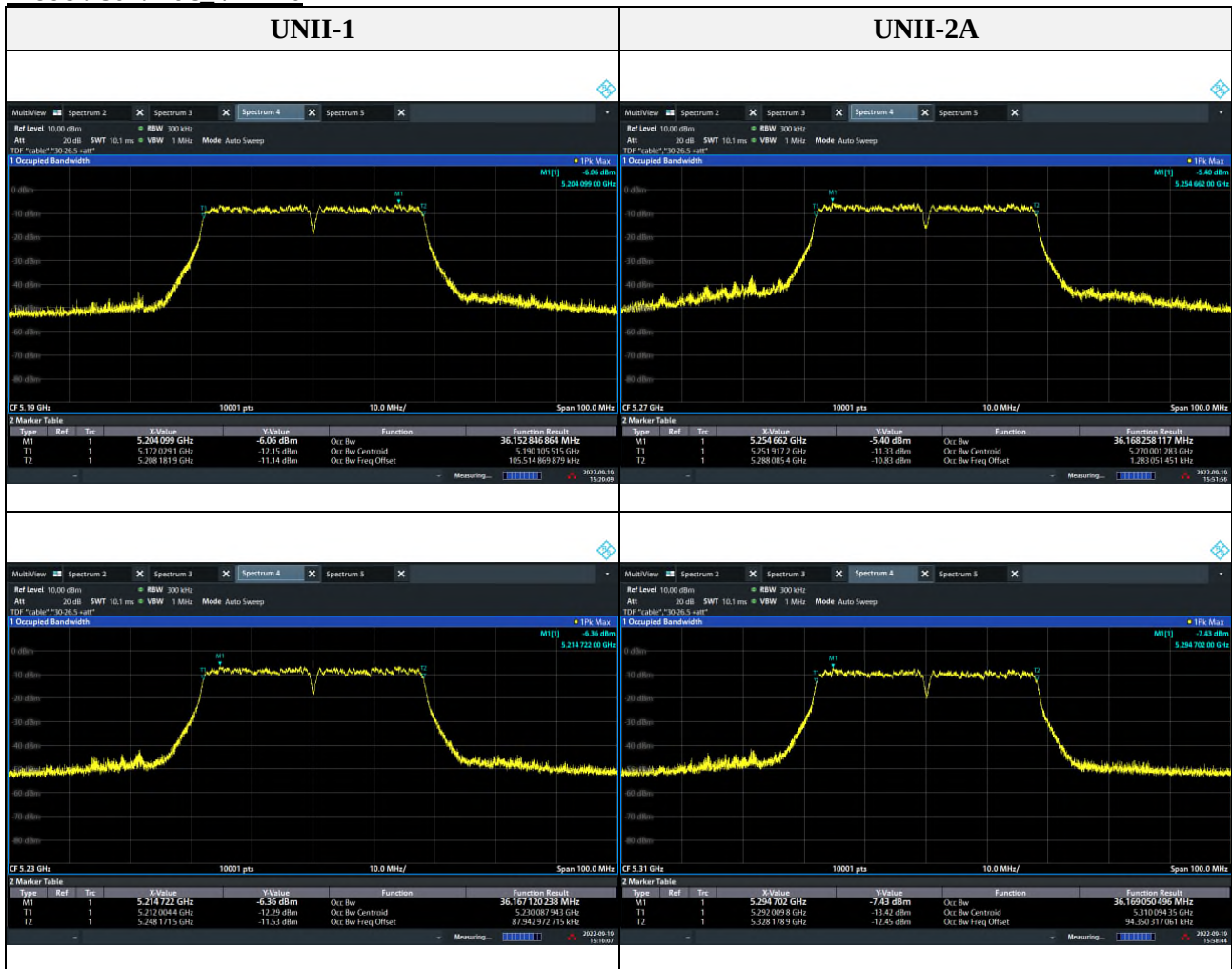


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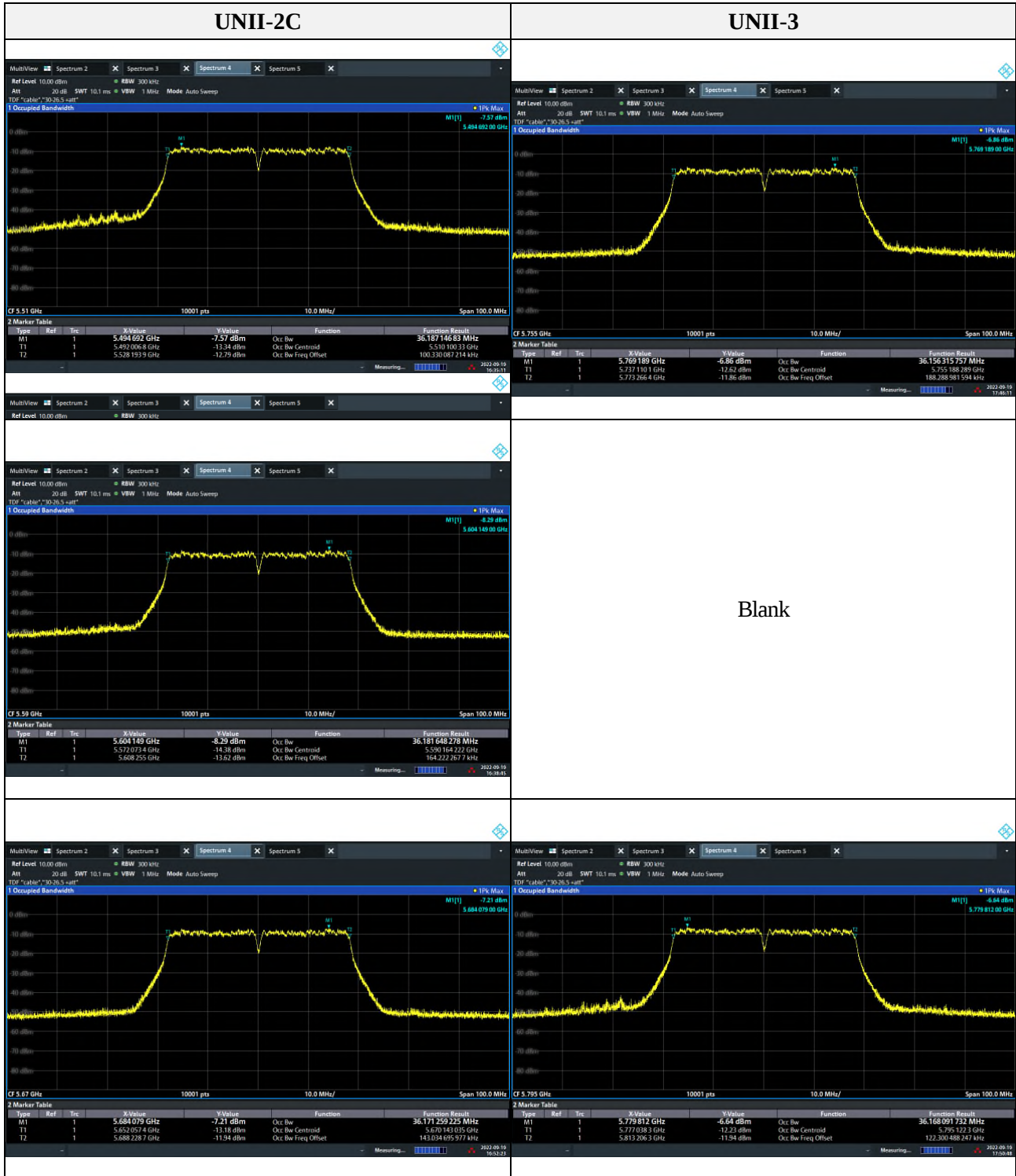


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Mode : 802.11ac VHT40

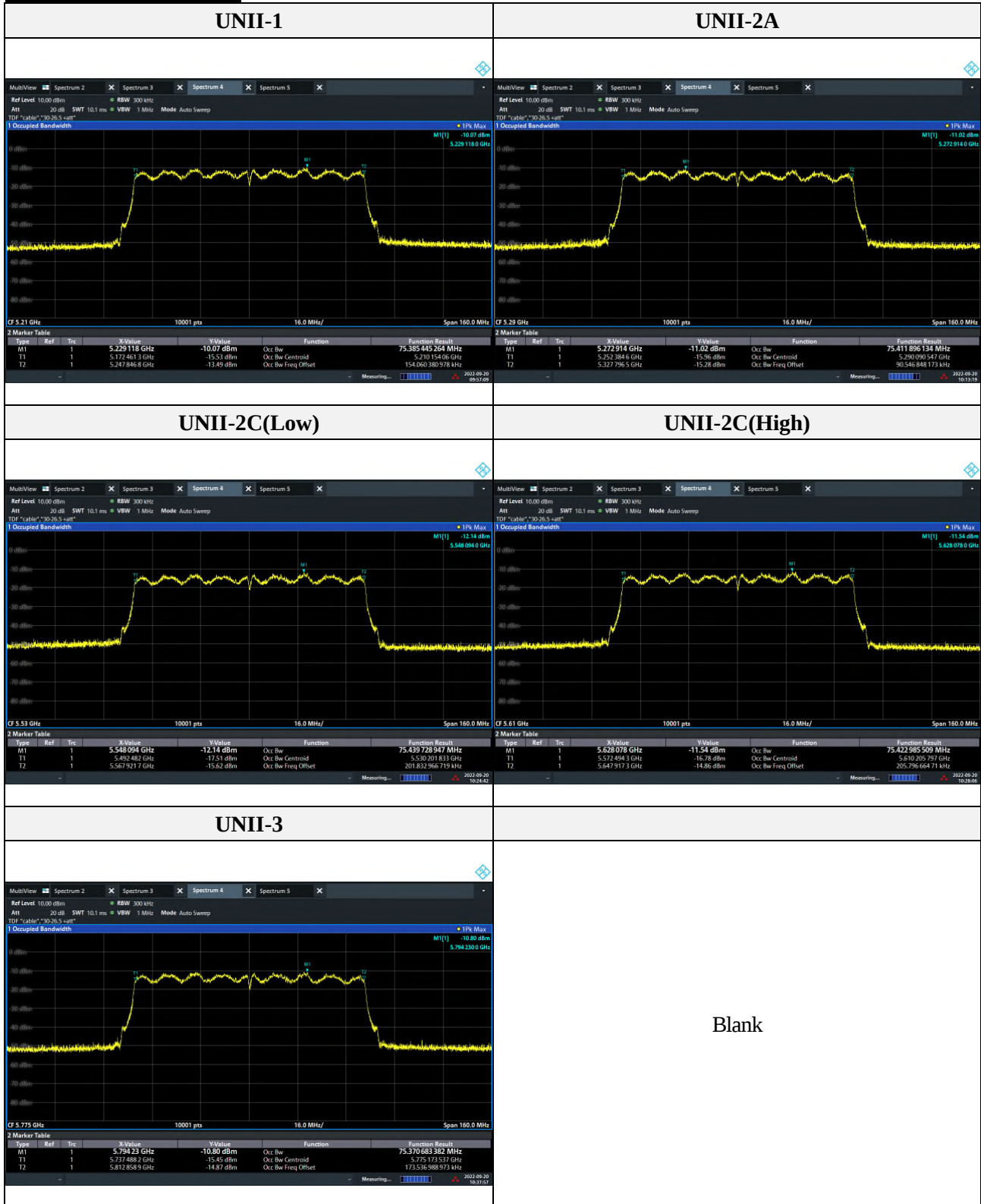


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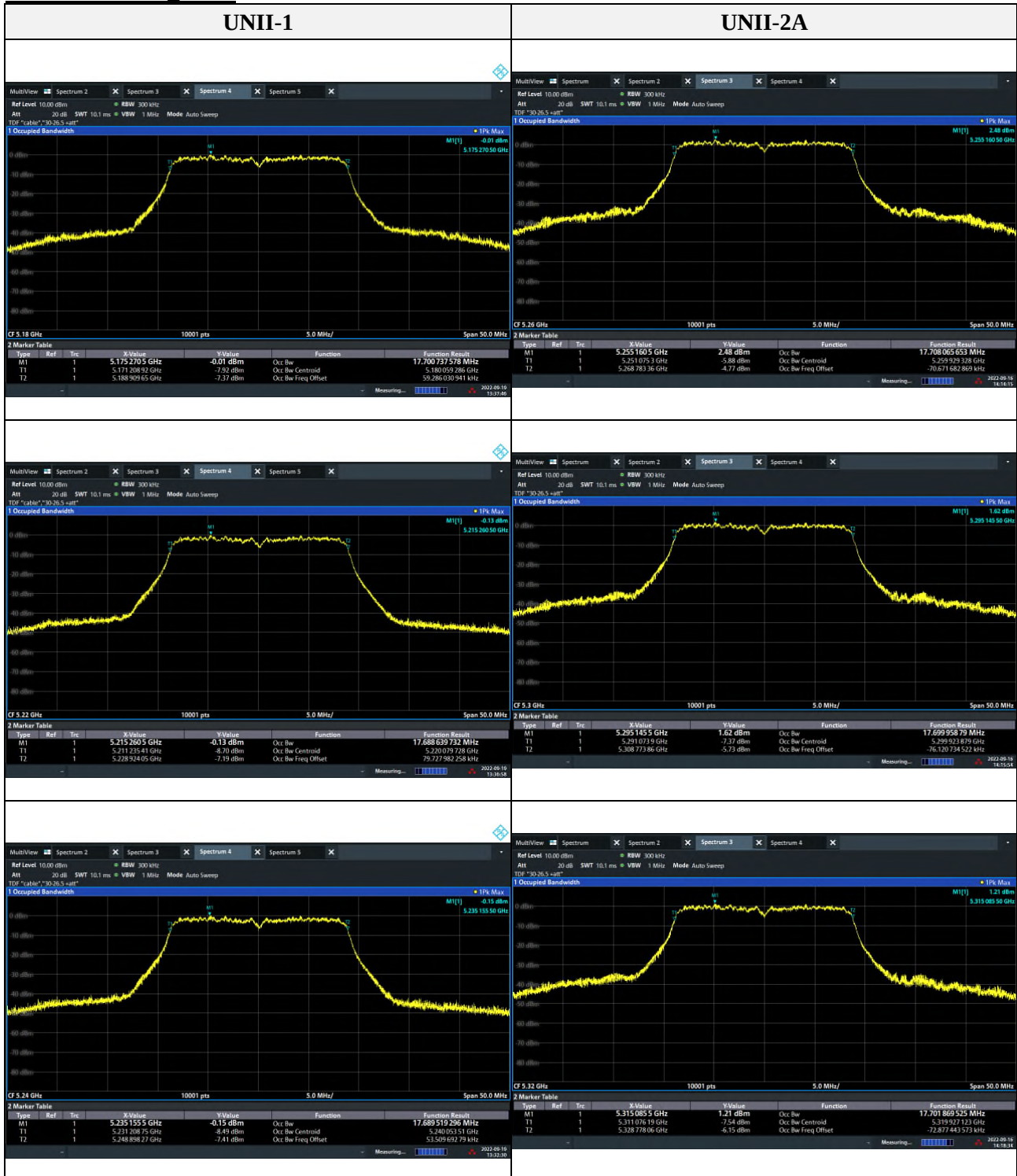
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Mode : 802.11ac VHT80

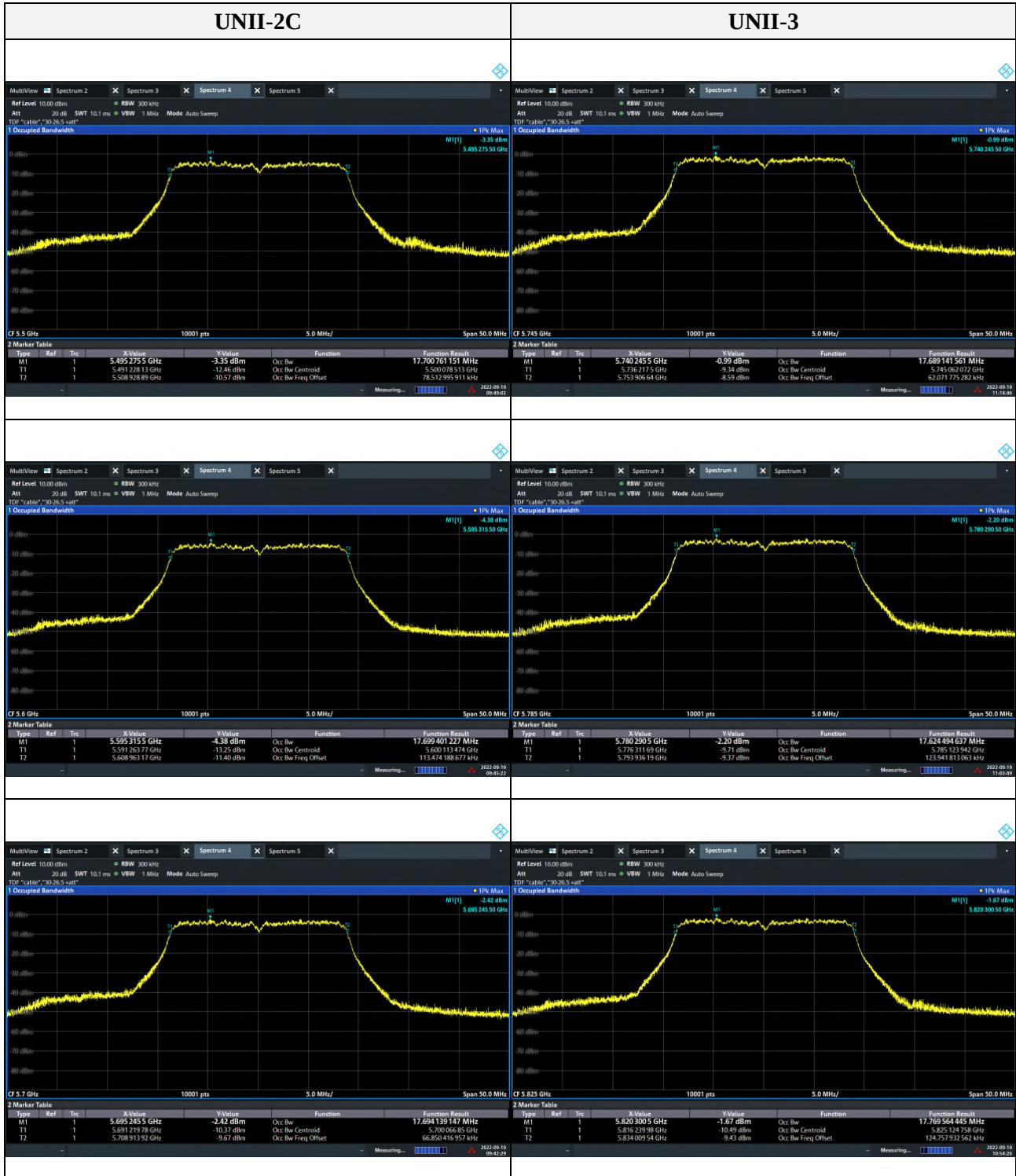


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99% bandwidth
MIMO ANT2
Mode : 802.11an HT20

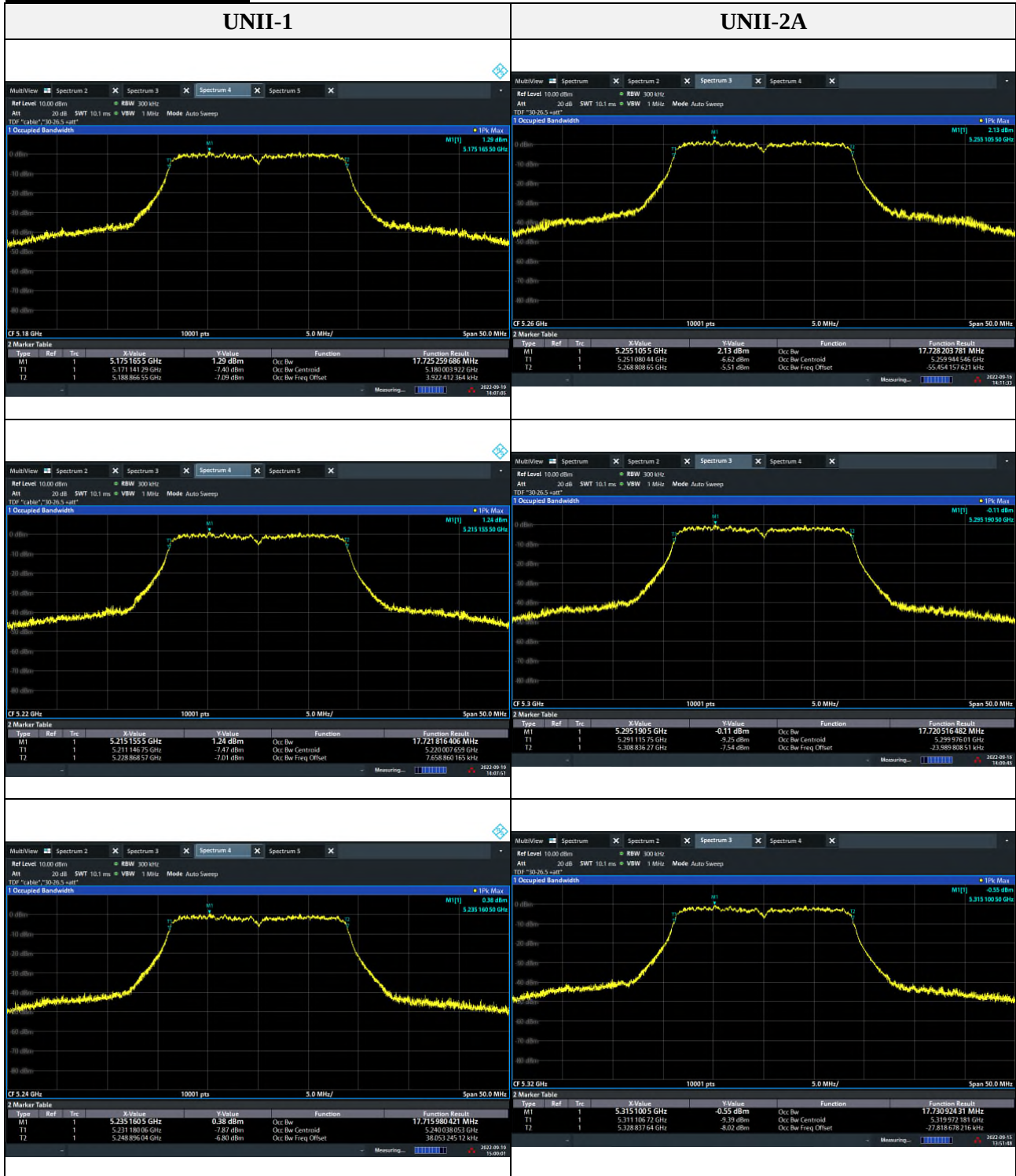


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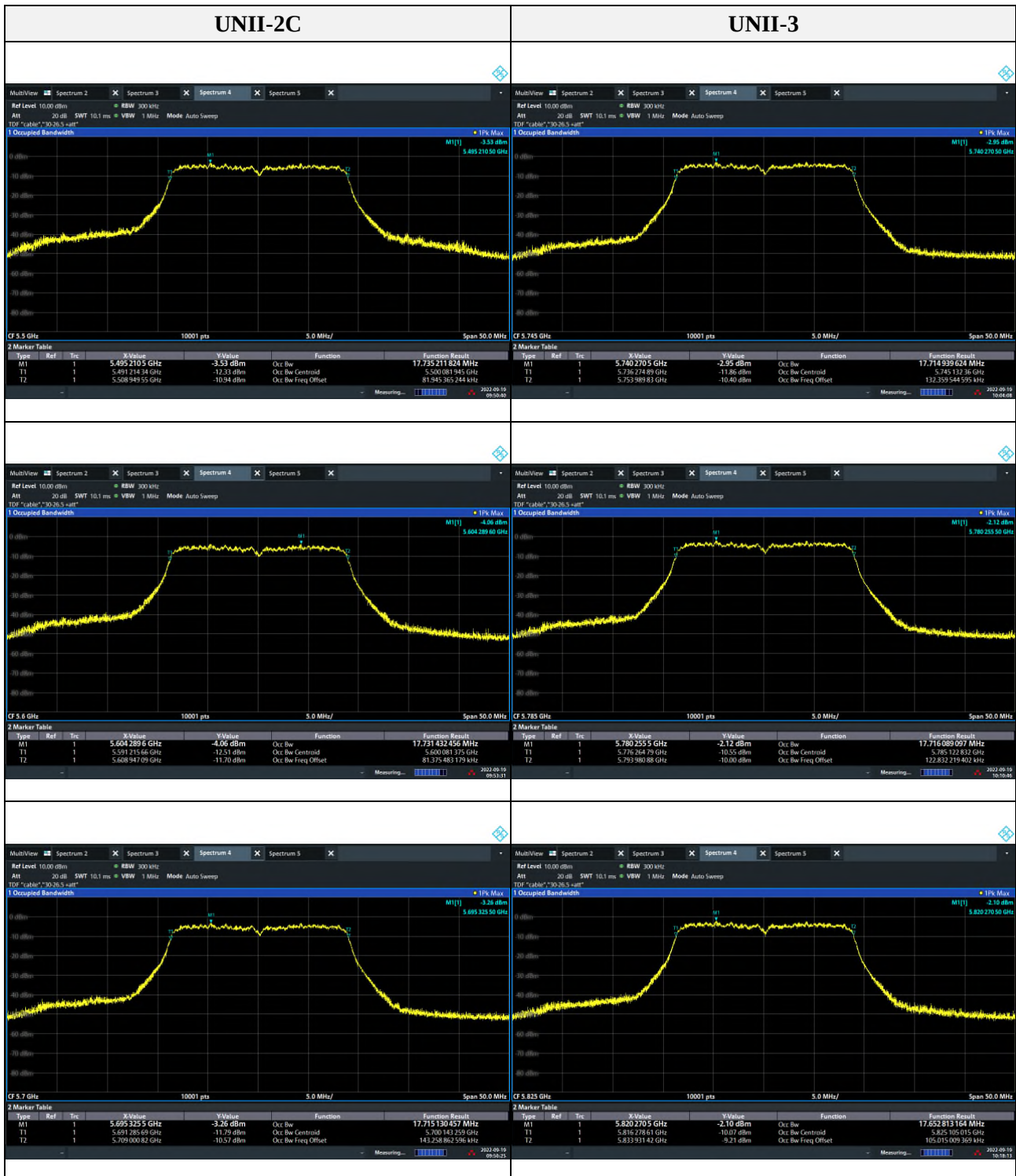


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Mode : 802.11ac VHT20

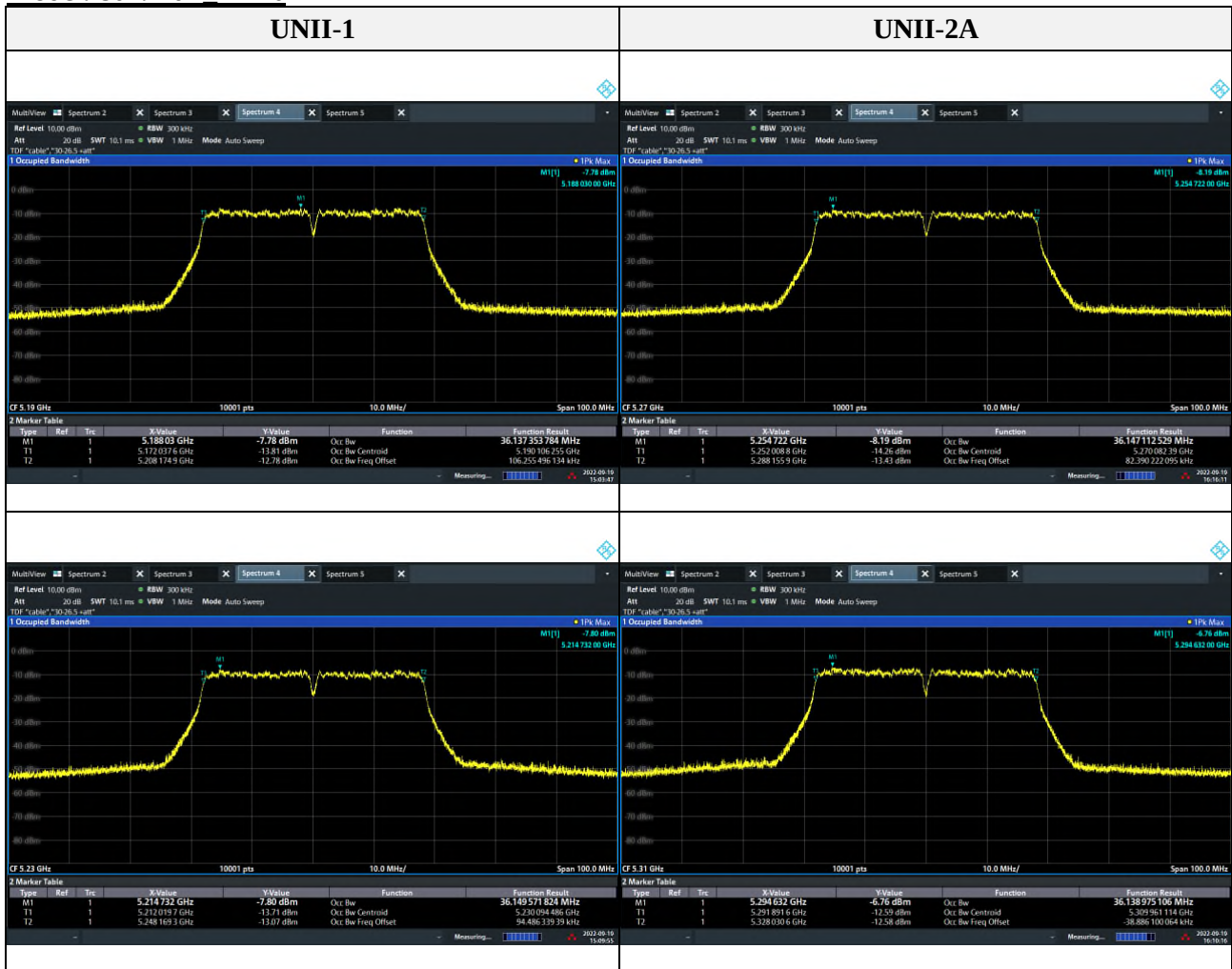


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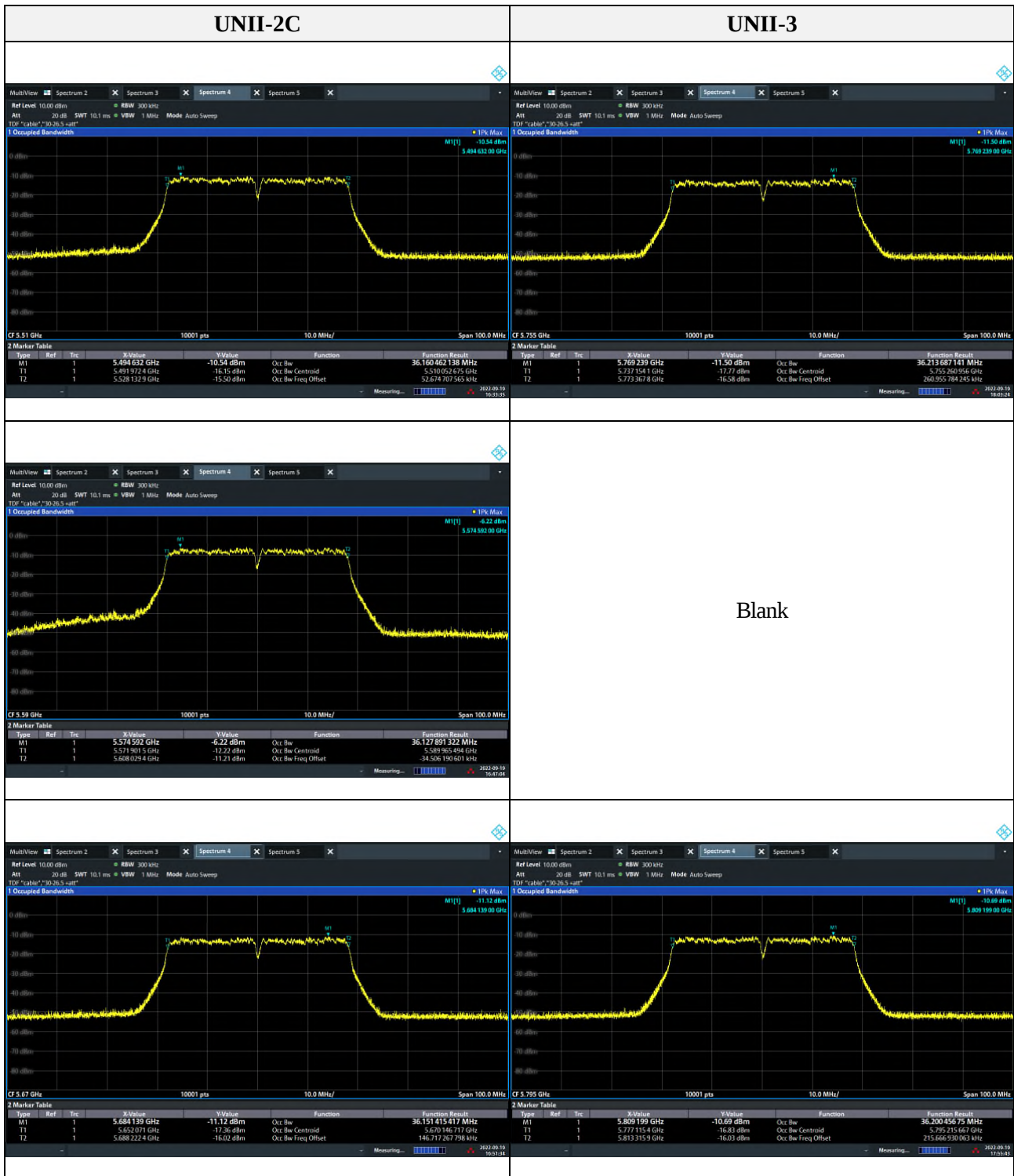


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Mode : 802.11an HT40

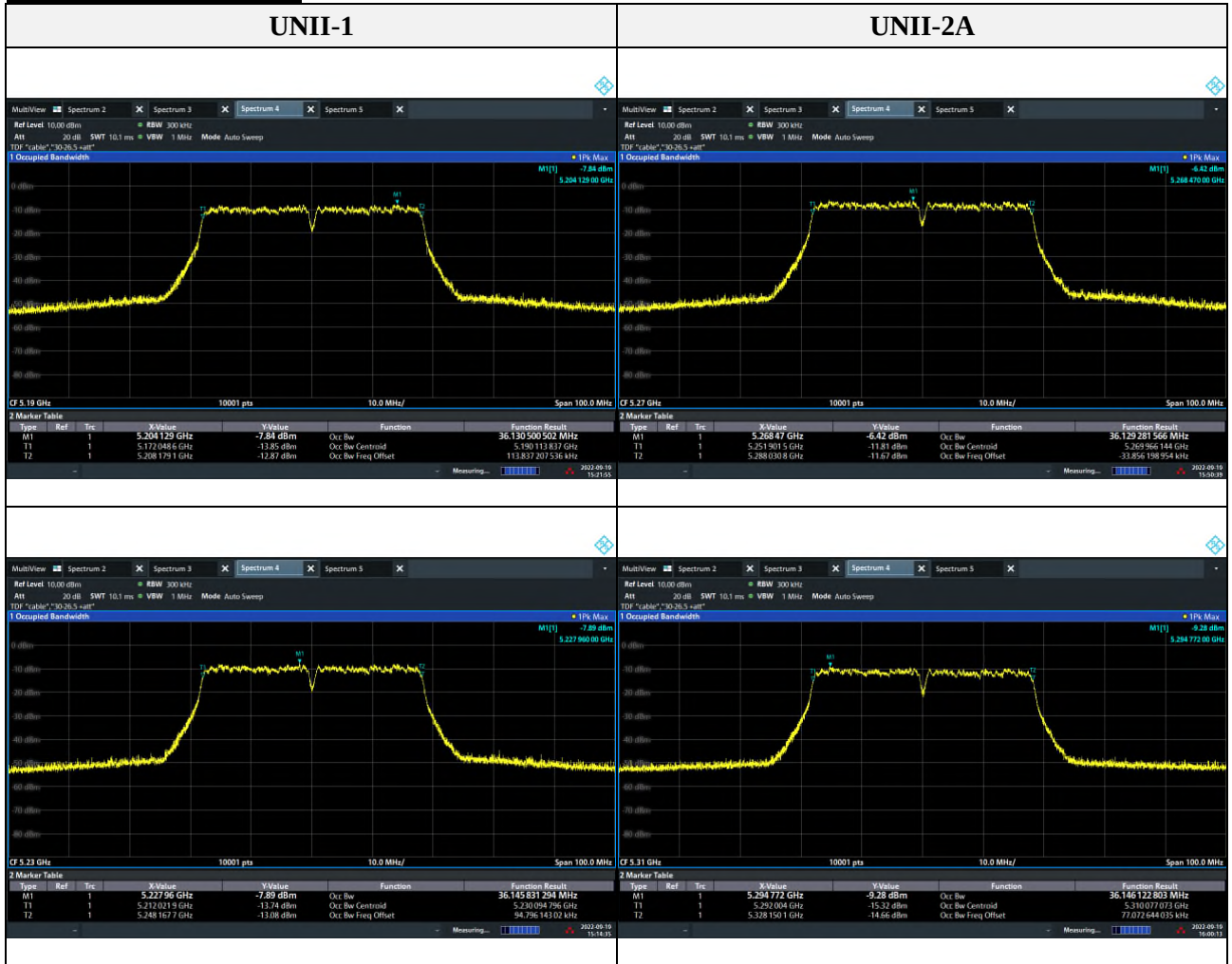


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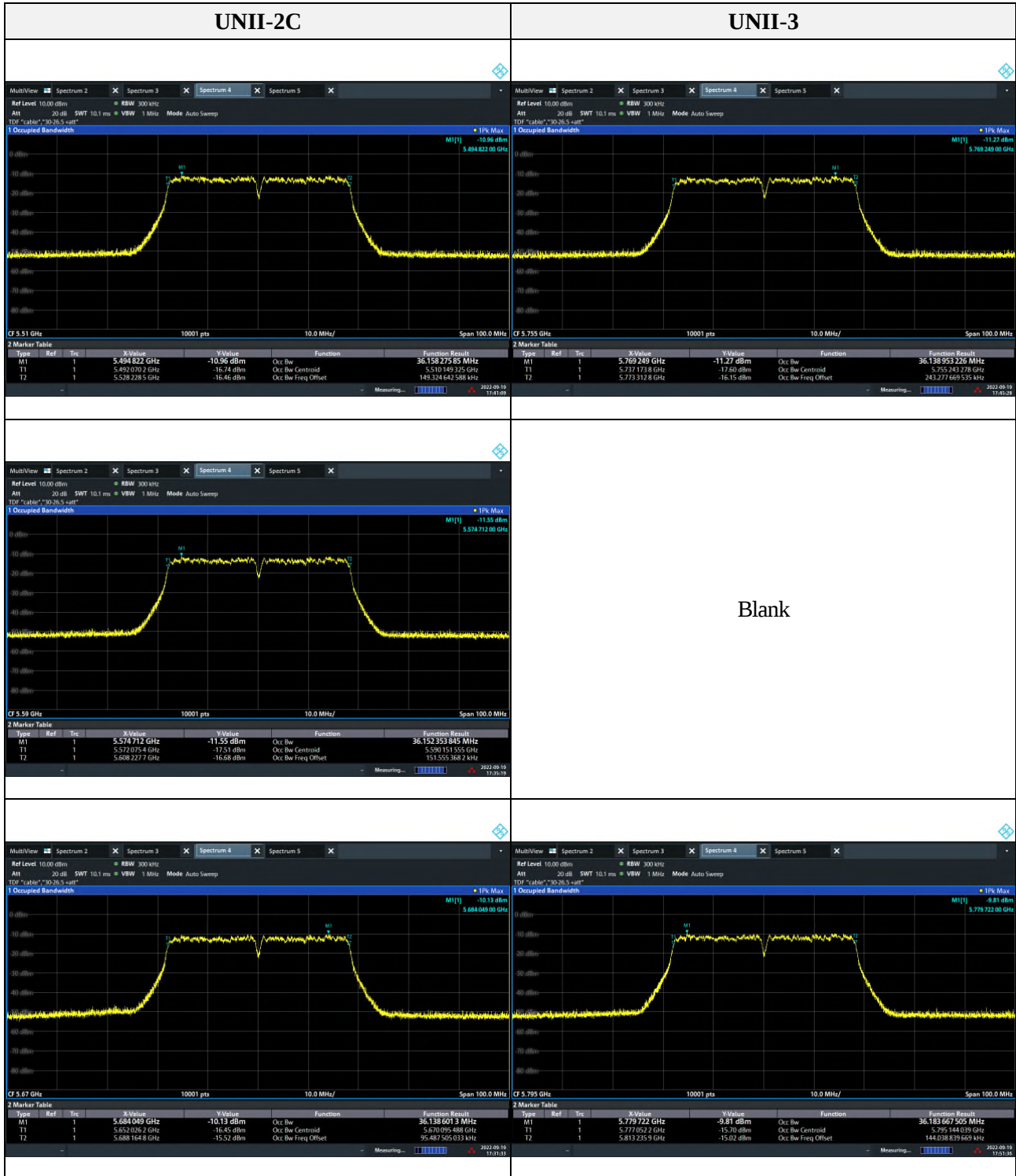


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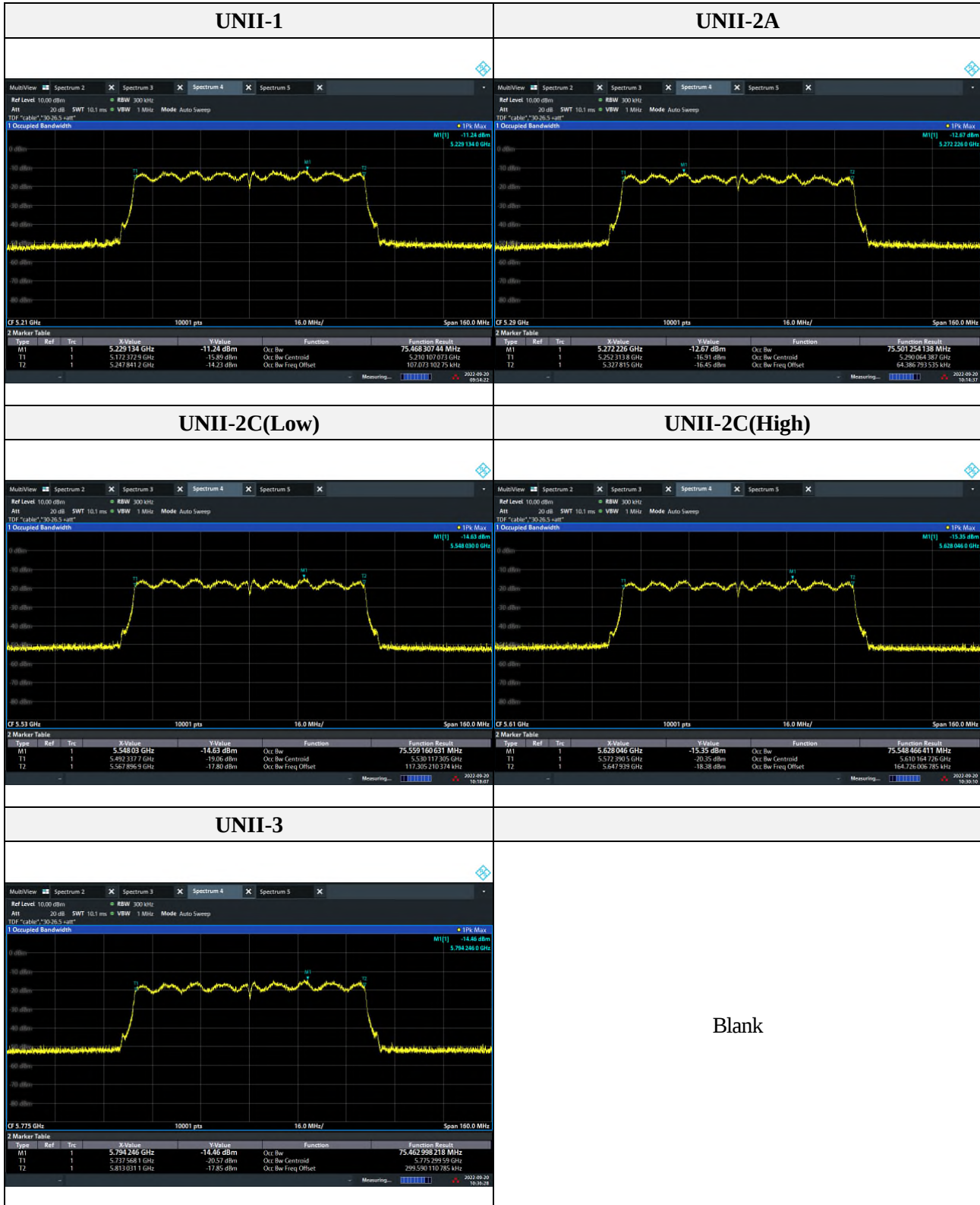
Mode : 802.11ac VHT40



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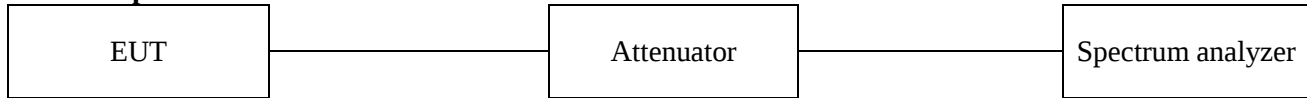
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3.2. 6 dB bandwidth

Test procedure

KDB 789033 D02 v02r01– Section C.2

Test setup



Section C.2

1. Set RBW = 100 kHz
2. Set the video bandwidth (VBW) $\geq 3 \times$ RBW.
3. Detector = peak.
4. Sweep = auto couple.
5. Allow the trace to stabilize
6. 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.

Limit

Within the 5.725-5.85 GHz band, the minimum 6 dB bandwidth of U-NII devices shall be at least 500 kHz.

According to RSS-247 6.1 (1), equipment operating in the band 5725-5850 MHz, the minimum 6 dB bandwidth shall be at least 500 kHz

Test results

ANT1

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 180	a	16.51
	5 220		16.54
	5 240		16.54
UNII-2A	5 260		16.49
	5 280		16.53
	5 320		16.48
UNII-2C	5 500		16.54
	5 620		16.51
	5 700		16.52
UNII-3	5 745		16.49
	5 785		16.49
	5 825		16.49
UNII-1	5 180	an_HT20	17.62
	5 220		17.62
	5 240		17.64
UNII-2A	5 260		17.61
	5 280		17.61
	5 320		17.62
UNII-2C	5 500		17.62
	5 620		17.62
	5 700		17.64
UNII-3	5 745		17.61
	5 785		17.63
	5 825		17.63

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 180	ac_VHT20	17.62
	5 220		17.61
	5 240		17.61
UNII-2A	5 260		17.63
	5 280		17.62
	5 320		17.62
UNII-2C	5 500		17.62
	5 620		17.61
	5 700		17.62
UNII-3	5 745		17.62
	5 785		17.64
	5 825		17.63
UNII-1	5 190	an_HT40	36.45
	5 230		36.48
UNII-2A	5 270		36.46
	5 310		36.43
UNII-2C	5 510		36.45
	5 690		36.43
	5 710		36.45
UNII-3	5 755		36.47
	5 795		36.46
UNII-1	5 190	ac_VHT40	36.45
	5 230		36.46
UNII-2A	5 270		36.42
	5 310		36.46
UNII-2C	5 510		36.45
	5 690		36.45
	5 710		36.44
UNII-3	5 755		36.45
	5 795		36.52

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Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 210	ac_VHT80	76.12
UNII-2A	5 290		76.10
UNII-2C	5 530		76.20
	5 610		76.18
UNII-3	5 775		75.98

ANT2

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 180	a	16.54
	5 220		16.54
	5 240		16.54
UNII-2A	5 260		16.52
	5 280		16.50
	5 320		16.49
UNII-2C	5 500		16.53
	5 620		16.49
	5 700		16.47
UNII-3	5 745		16.48
	5 785		16.50
	5 825		16.42
UNII-1	5 180	an_HT20	17.62
	5 220		17.61
	5 240		17.62
UNII-2A	5 260		17.61
	5 280		17.61
	5 320		17.61
UNII-2C	5 500		17.60
	5 620		17.61
	5 700		17.61
UNII-3	5 745		17.62
	5 785		17.60
	5 825		17.52

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 180	ac_VHT20	17.61
	5 220		17.60
	5 240		17.60
UNII-2A	5 260		17.60
	5 280		17.61
	5 320		17.60
UNII-2C	5 500		17.60
	5 620		17.61
	5 700		17.61
UNII-3	5 745		17.62
	5 785		17.63
	5 825		17.61
UNII-1	5 190	an_HT40	36.47
	5 230		36.48
UNII-2A	5 270		36.44
	5 310		36.46
UNII-2C	5 510		36.46
	5 690		36.48
	5 710		36.47
UNII-3	5 755		36.51
	5 795		36.46
UNII-1	5 190	ac_VHT40	36.41
	5 230		36.46
UNII-2A	5 270		36.47
	5 310		36.46
UNII-2C	5 510		36.48
	5 690		36.45
	5 710		36.47
UNII-3	5 755		36.44
	5 795		36.46



Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 210	ac_VHT80	76.22
UNII-2A	5 290		76.20
UNII-2C	5 530		76.12
	5 610		76.19
UNII-3	5 775		75.88

MIMO ANT1

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 180	an_HT20	17.62
	5 220		17.63
	5 240		17.64
UNII-2A	5 260		17.62
	5 280		17.61
	5 320		17.60
UNII-2C	5 500		17.63
	5 620		17.64
	5 700		17.61
UNII-3	5 745		17.61
	5 785		17.62
	5 825		17.61
UNII-1	5 180	ac_HT20	17.63
	5 220		17.65
	5 240		17.62
UNII-2A	5 260		17.62
	5 280		17.61
	5 320		17.62
UNII-2C	5 500		17.60
	5 600		17.62
	5 700		17.61
UNII-3	5 745		17.63
	5 785		17.67
	5 825		17.64

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 190	an_HT40	36.45
	5 230		36.48
UNII-2A	5 270		36.43
	5 310		36.44
UNII-2C	5 510		36.48
	5 690		36.47
	5 710		36.46
UNII-3	5 755		36.44
	5 795		36.44
UNII-1	5 190	ac_VHT40	36.47
	5 230		36.44
UNII-2A	5 270		36.45
	5 310		36.45
UNII-2C	5 510		36.44
	5 690		36.46
	5 710		36.48
UNII-3	5 755		36.45
	5 795		36.51
UNII-1	5 210	ac_VHT80	76.22
UNII-2A	5 290		76.10
UNII-2C	5 530		76.14
	5 610		76.18
UNII-3	5 775		75.90

MIMO ANT2

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 180	an_HT20	17.60
	5 220		17.61
	5 240		17.61
UNII-2A	5 260		17.60
	5 280		17.59
	5 320		17.60
UNII-2C	5 500		17.61
	5 620		17.66
	5 700		17.62
UNII-3	5 745		17.75
	5 785		17.59
	5 825		17.53
UNII-1	5 180	ac_VHT20	17.63
	5 220		17.61
	5 240		17.61
UNII-2A	5 260		17.61
	5 280		17.62
	5 320		17.59
UNII-2C	5 500		17.61
	5 620		17.61
	5 700		17.66
UNII-3	5 745		17.61
	5 785		17.62
	5 825		17.60

Band	Frequency(MHz)	Mode	6 dB bandwidth(MHz)
UNII-1	5 190	an_HT40	36.45
	5 230		36.44
UNII-2A	5 270		36.41
	5 310		36.44
UNII-2C	5 510		36.45
	5 690		36.44
	5 710		36.47
UNII-3	5 755		36.45
	5 795		36.47
UNII-1	5 190	ac_VHT40	36.45
	5 230		36.45
UNII-2A	5 270		36.42
	5 310		36.44
UNII-2C	5 510		36.46
	5 690		36.45
	5 710		36.44
UNII-3	5 755		36.45
	5 795		36.46
UNII-1	5 210	ac_VHT80	76.10
UNII-2A	5 290		76.10
UNII-2C	5 530		76.17
	5 610		76.21
UNII-3	5 775		75.98