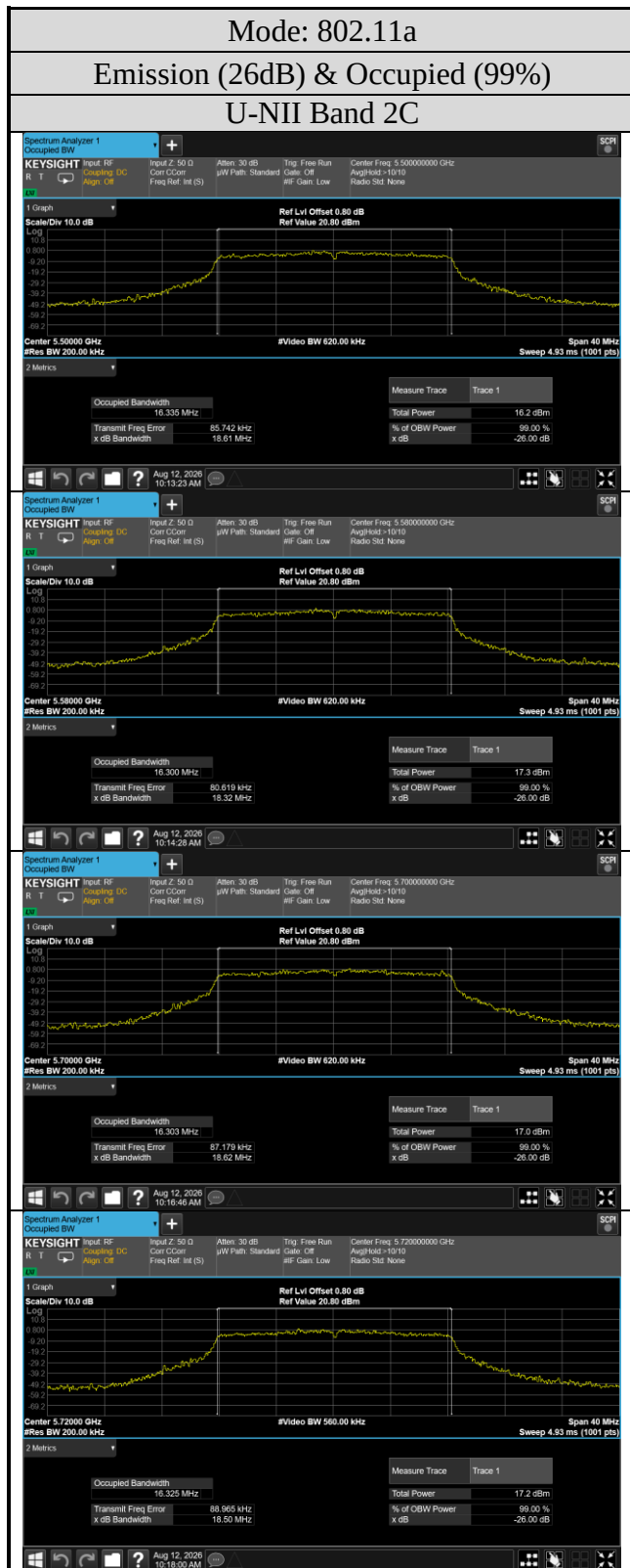


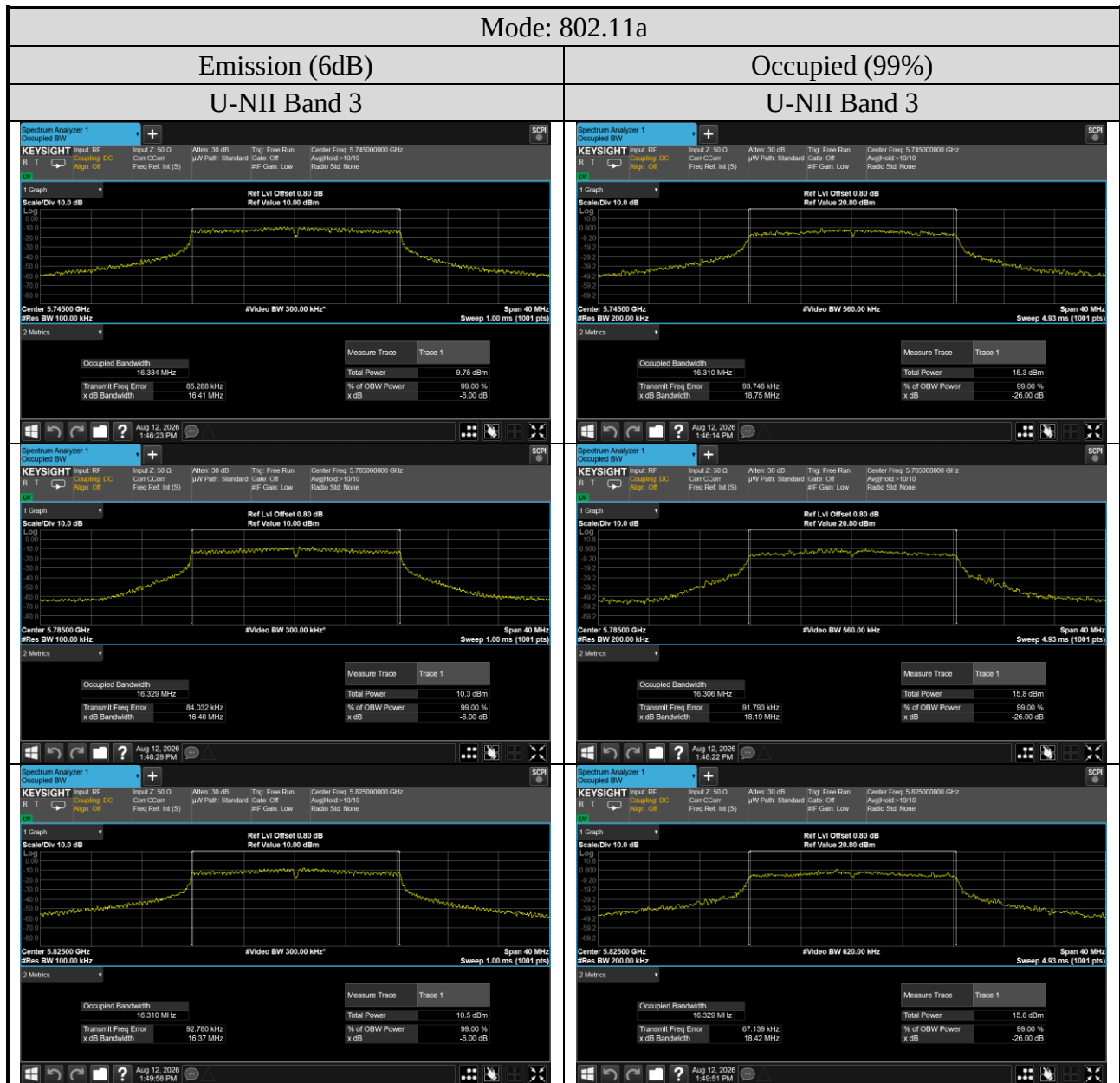
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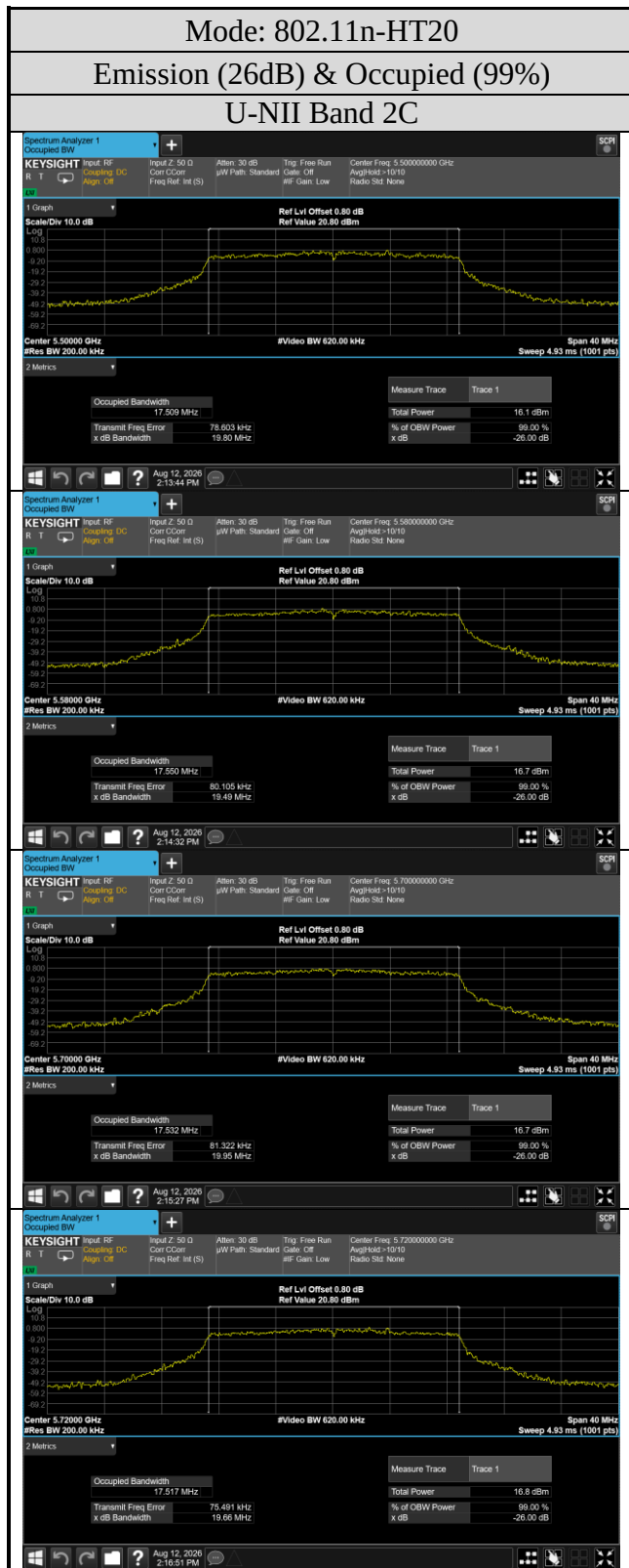
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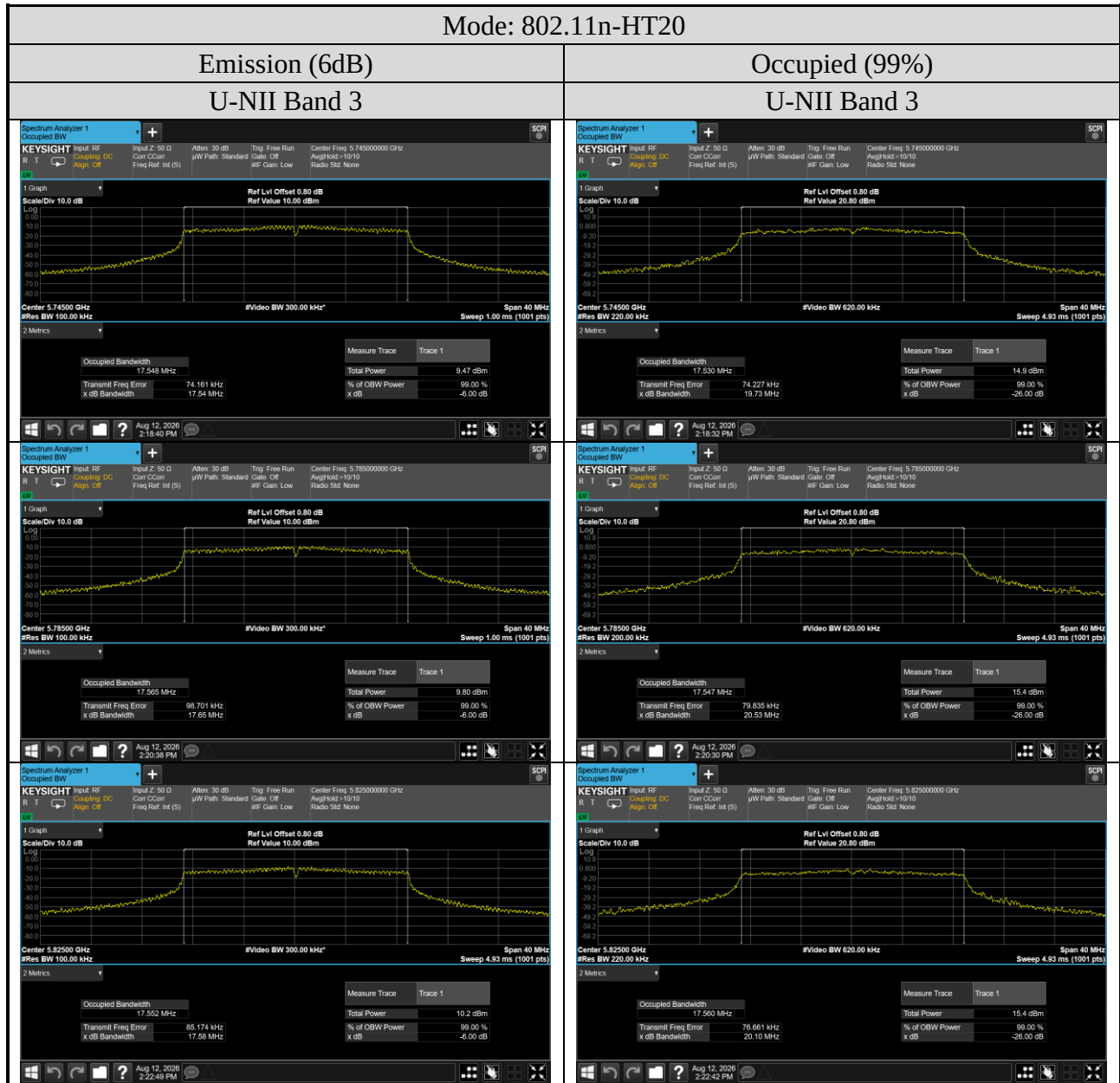
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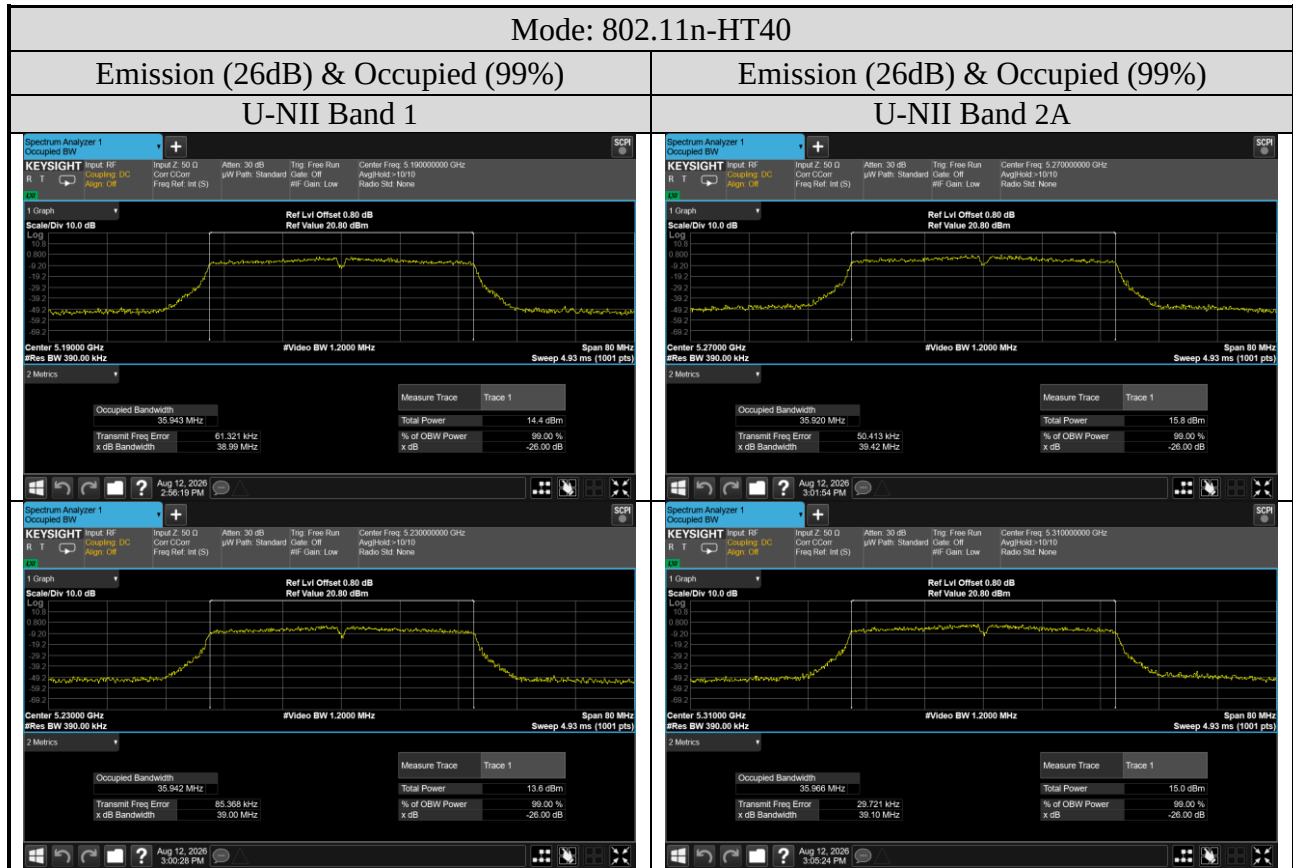
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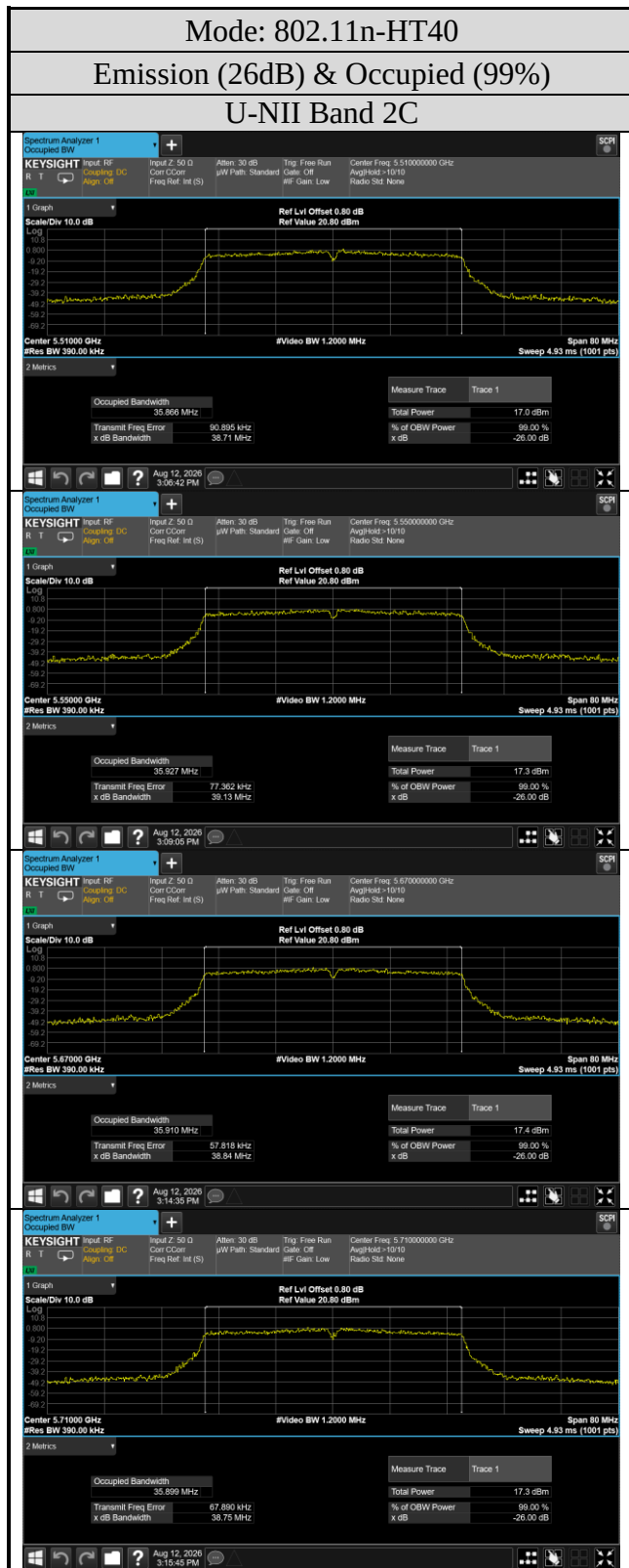
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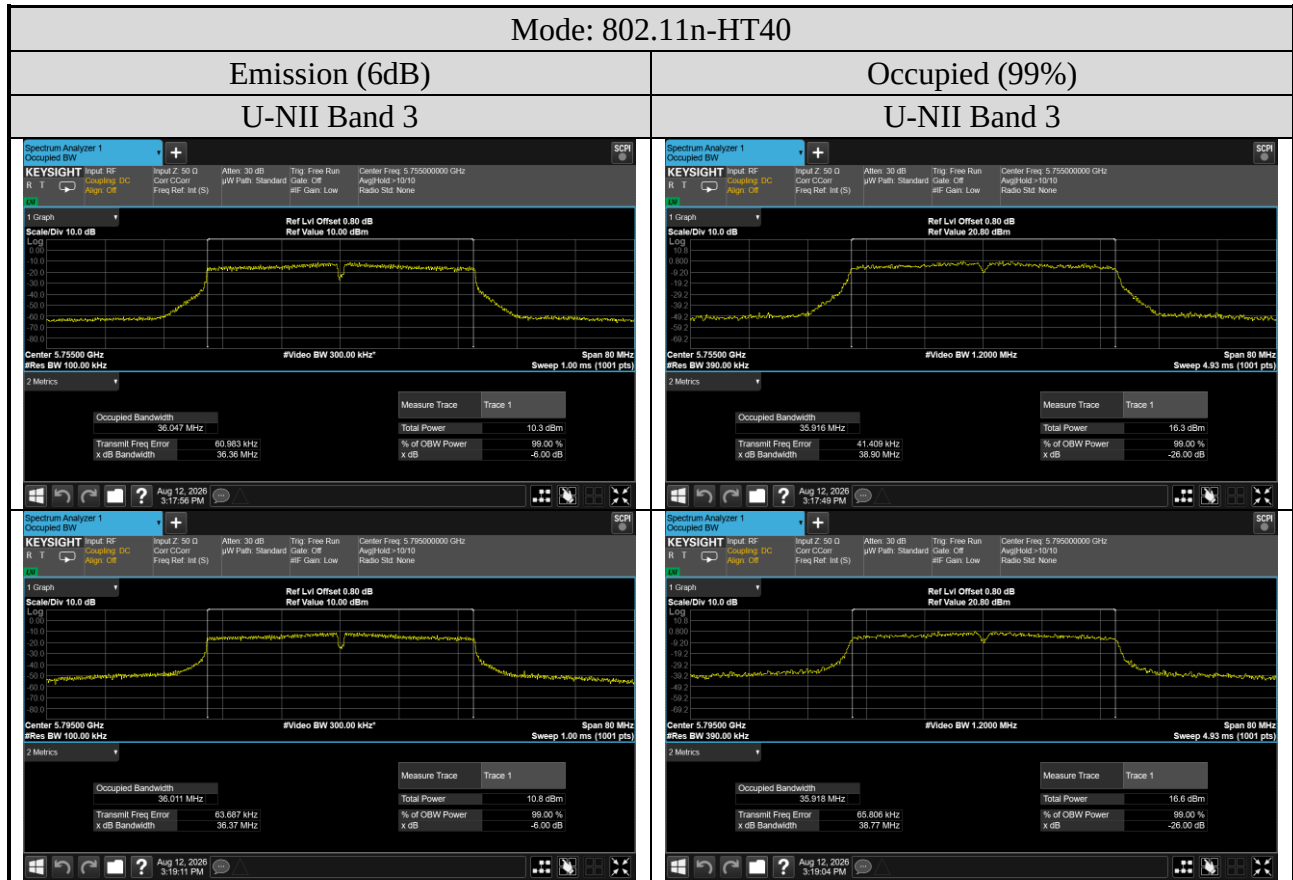
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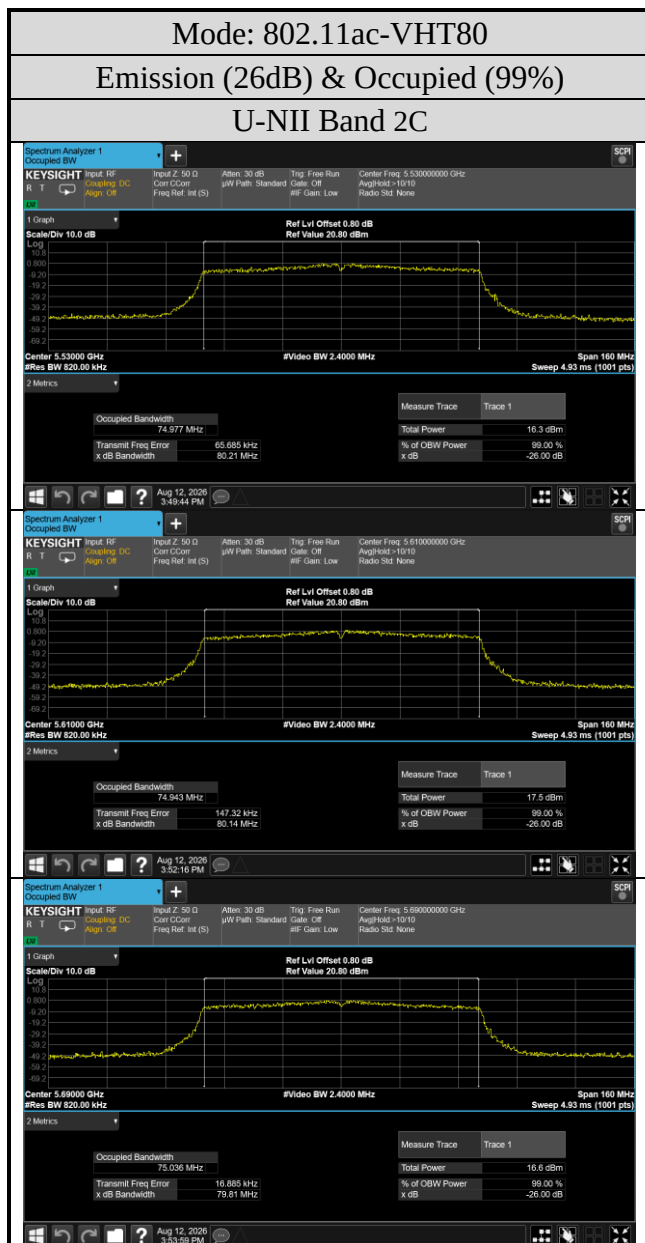
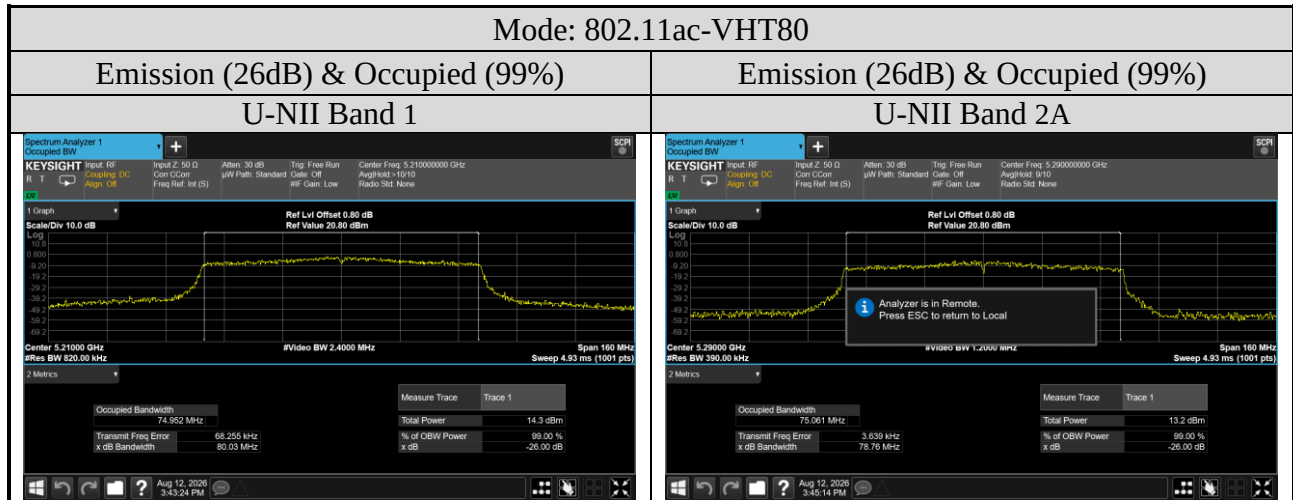
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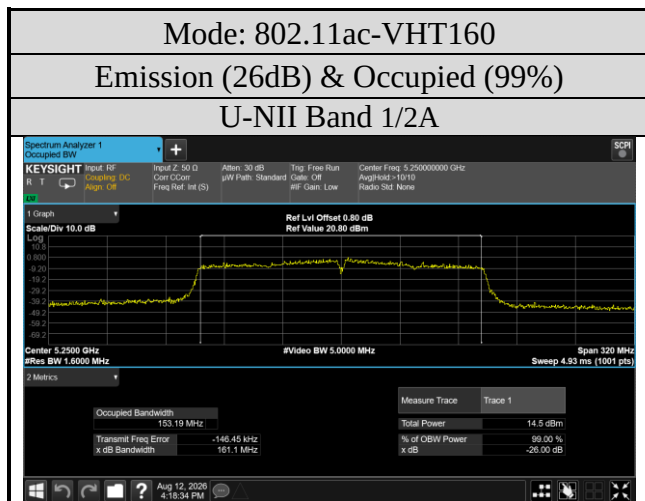
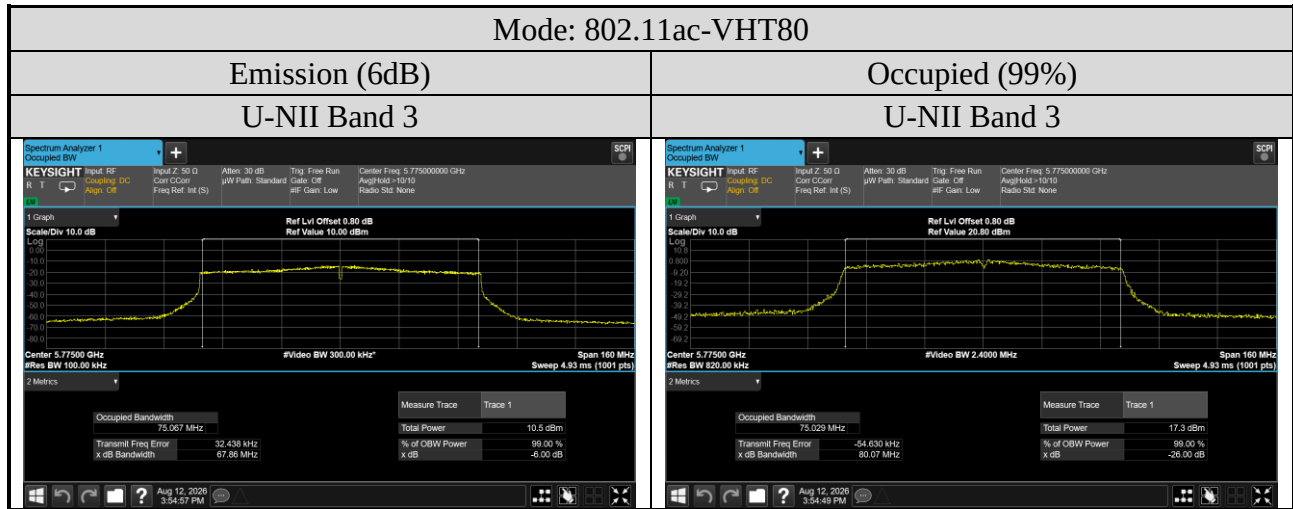
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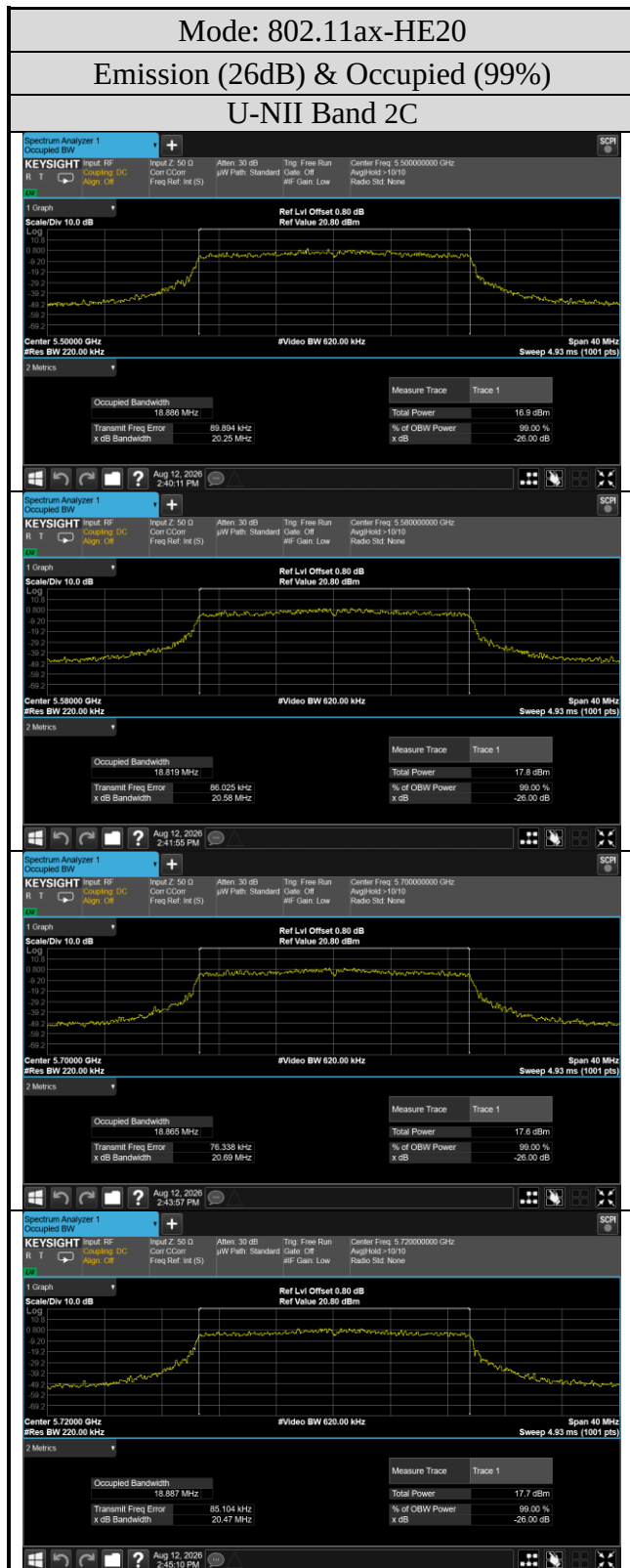
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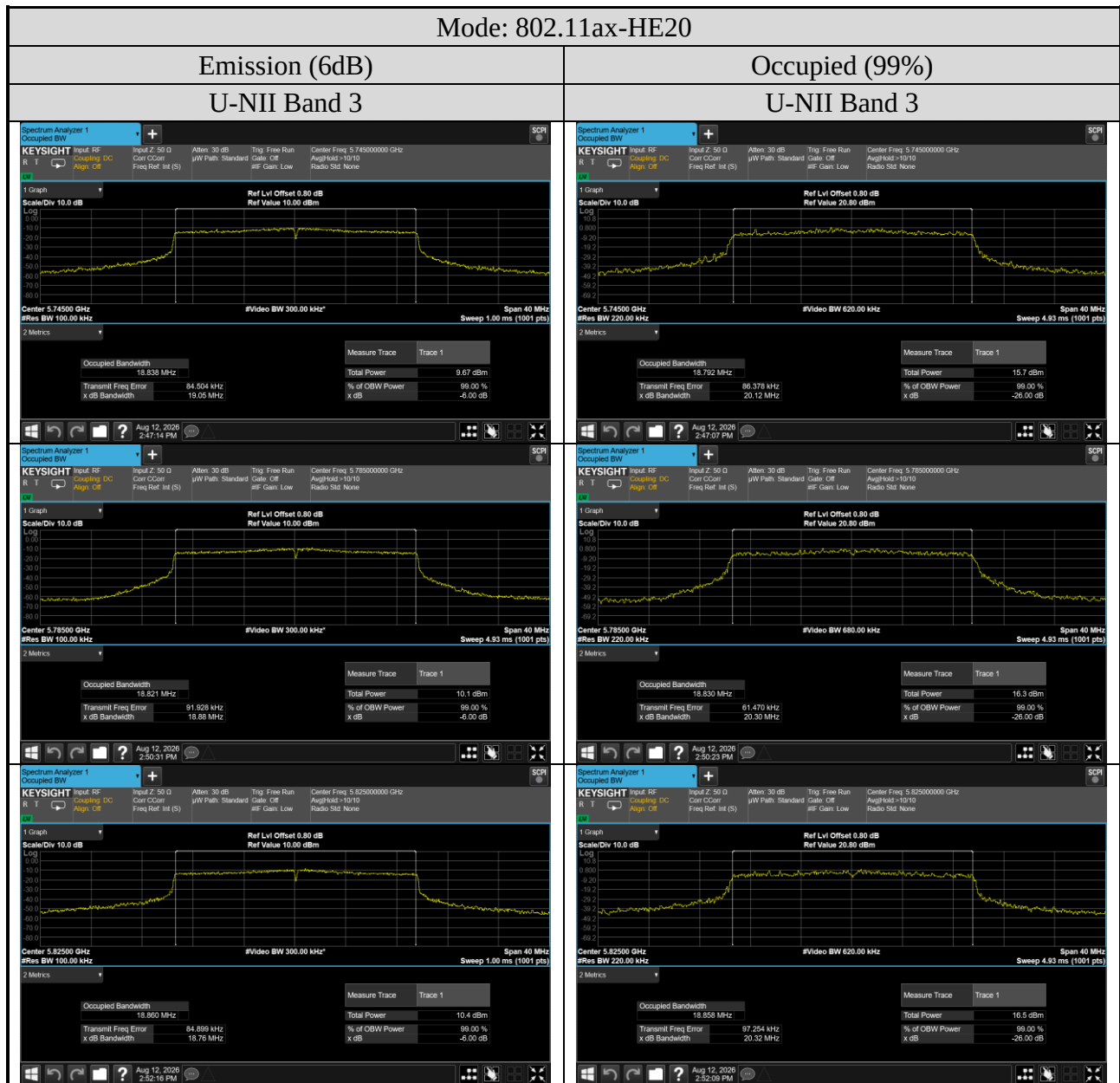
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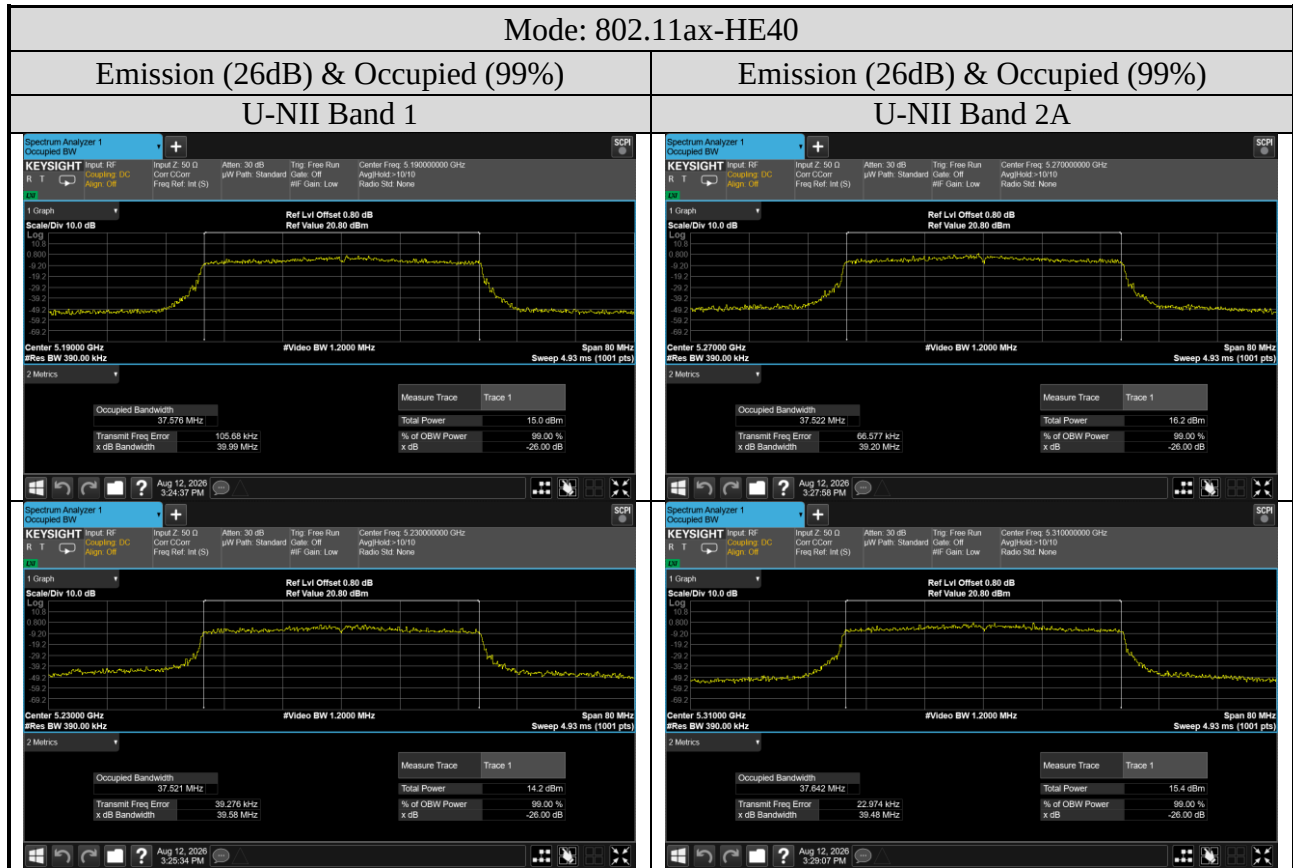
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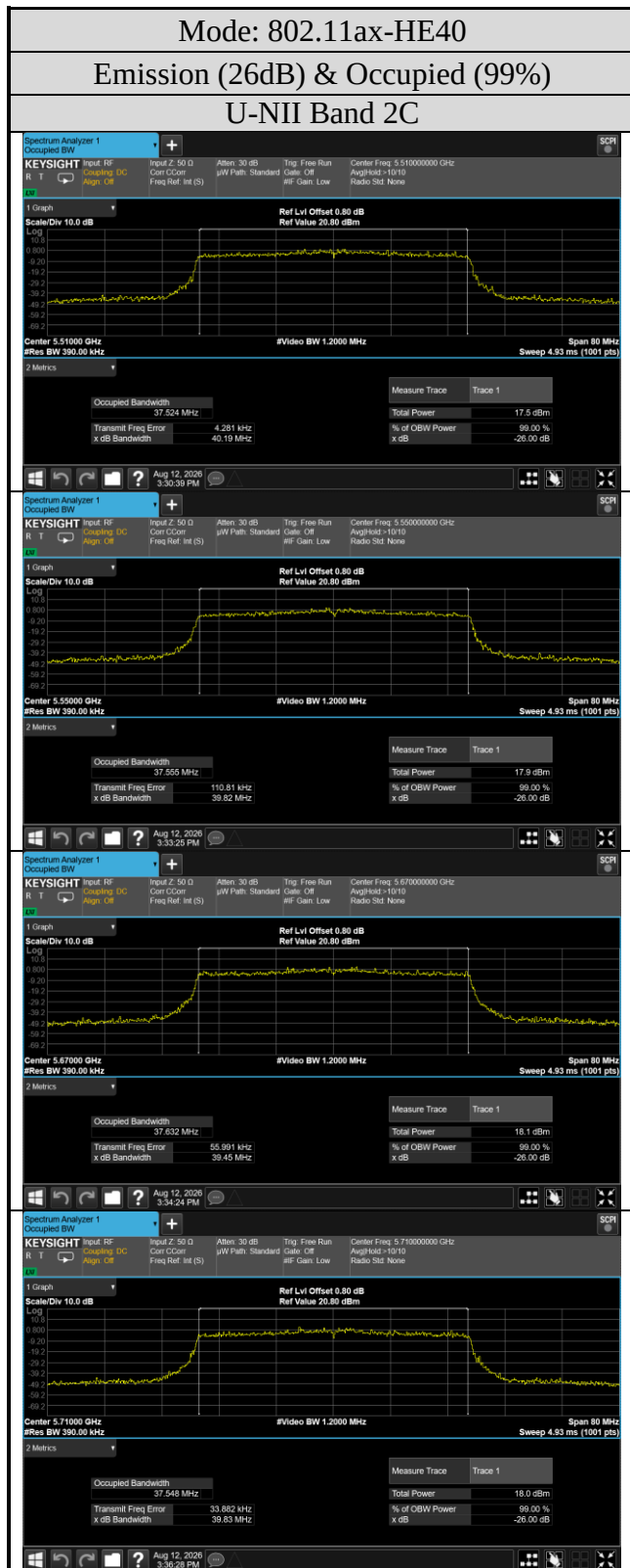
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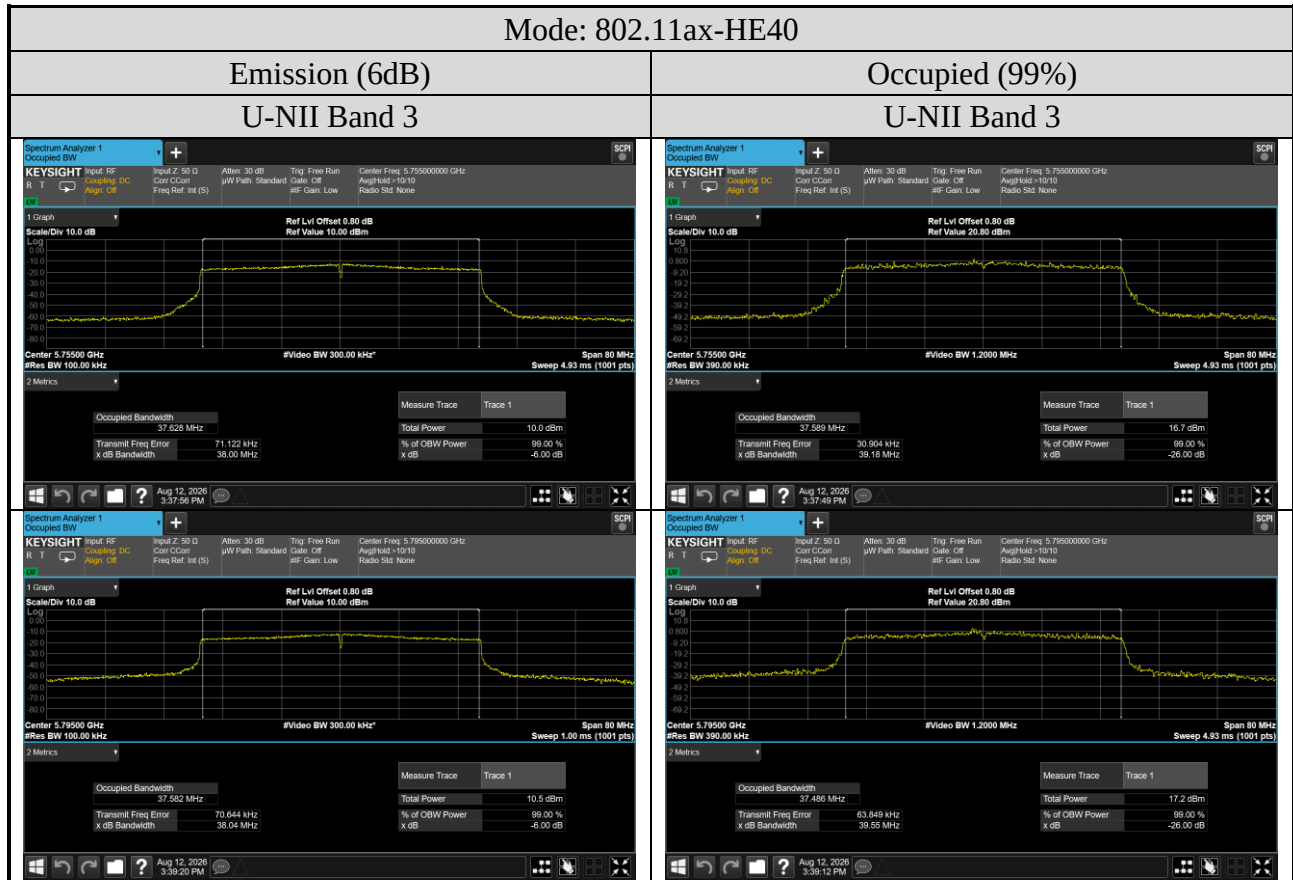
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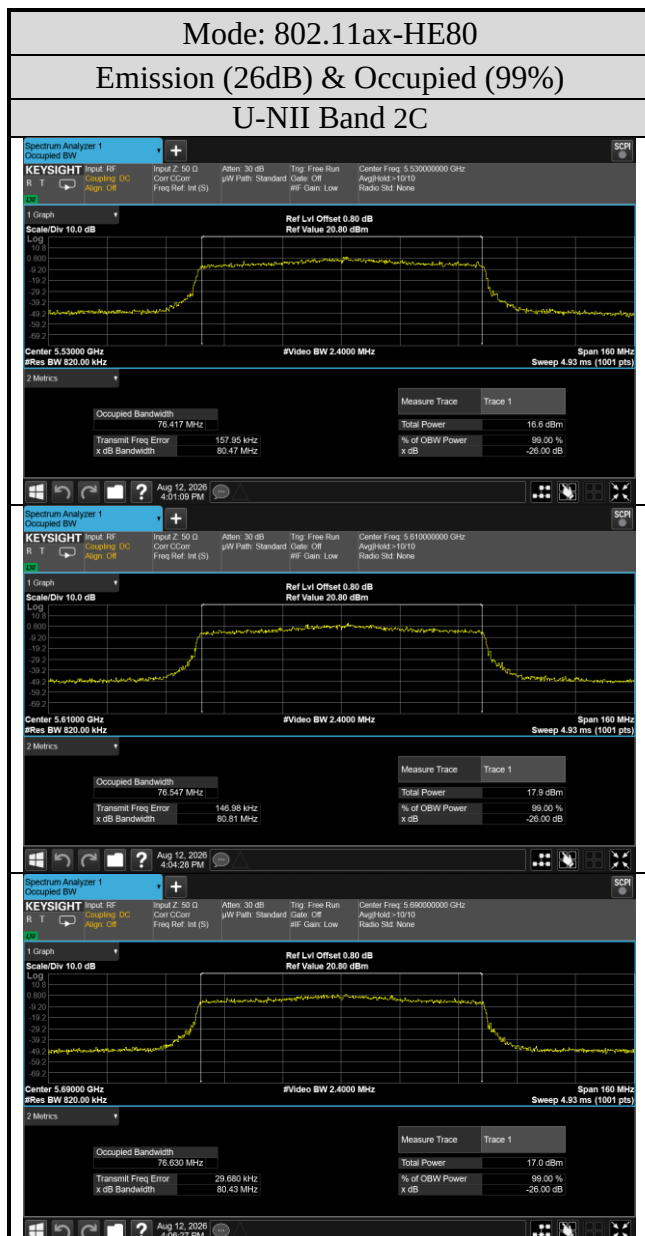
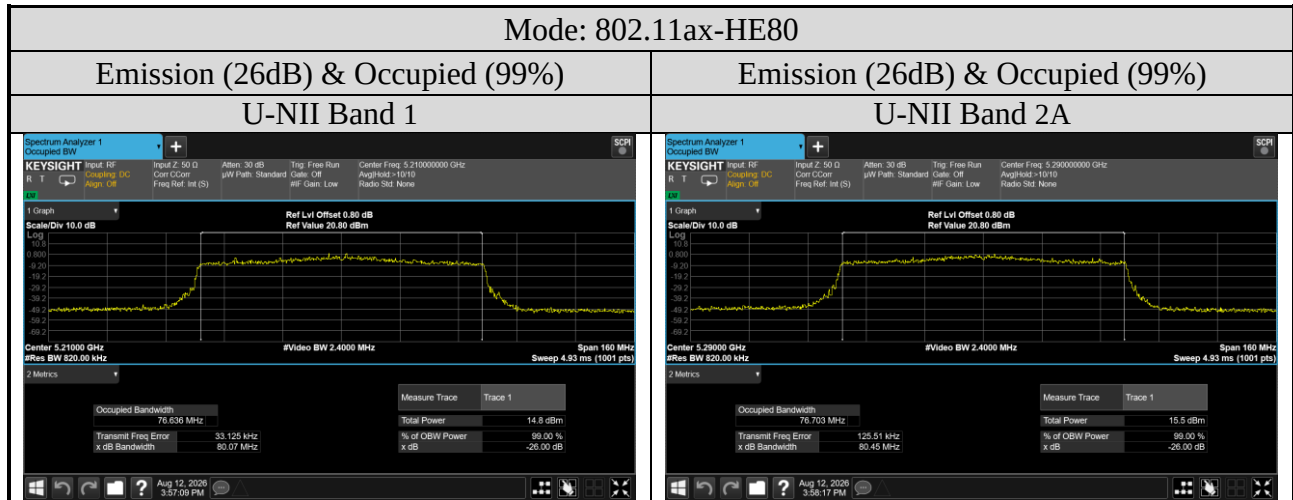
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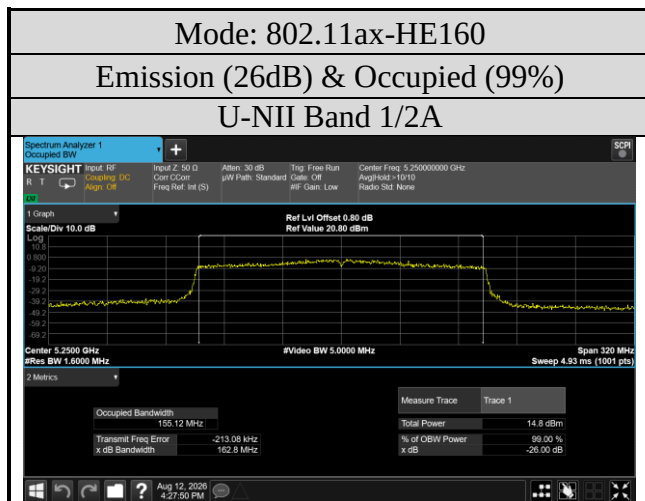
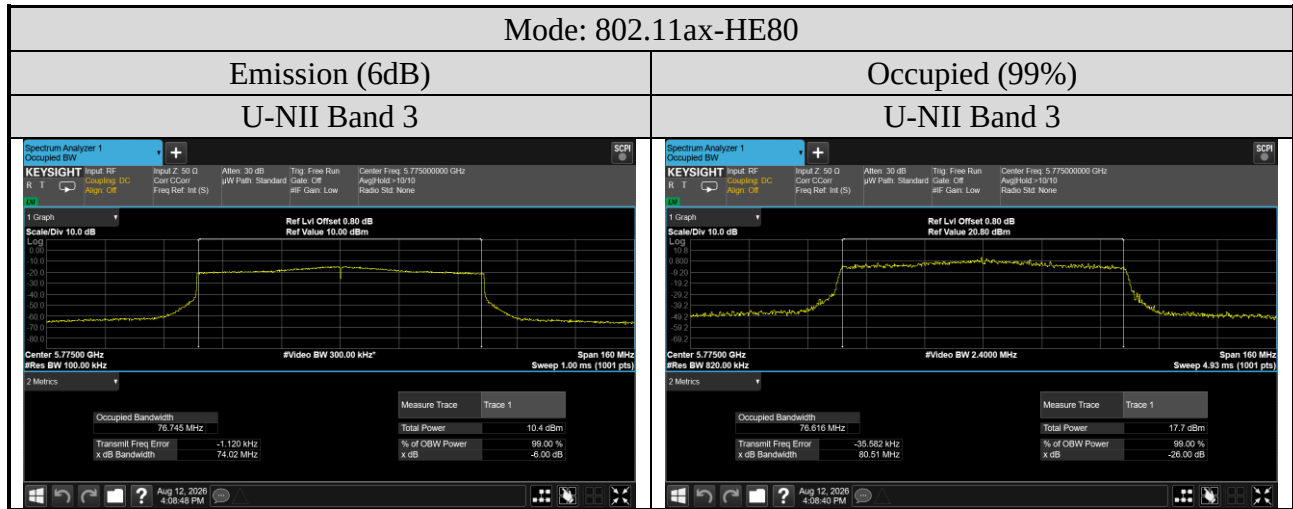
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A.4 POWER SPECTRAL DENSITY

Test Date	2026/08/09~12	Temp./Hum.	22~24°C /44~53%
Cable Loss	0.80dB	Tested By	Harry Huang
Test Voltage	DC 3.8V (Via Battery)		

A.4.1 Power Spectral Density Result

Mode 802.11a	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5180	0.300	N/A	0.300	11 dBm/MHz
	5200	0.158		0.158	
	5240	-0.569		-0.569	
U-NII Band 2A	5260	2.138		2.138	
	5300	1.676		1.676	
	5320	1.457		1.457	
U-NII Band 2C	5500	1.438		1.438	
	5580	2.391		2.391	
	5700	1.839		1.839	
	5720	1.962		1.962	
Mode 802.11a	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5745	-1.707	N/A	-1.707	30dBm/500 kHz
	5785	-1.750		-1.750	
	5825	-1.911		-1.911	

Note: 1. The results have been included cable loss.

2. BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

For UNII Band 3, Ref Offset of measured plot: Cable Loss (dB) + BWCF (dB)= 1dB+7dB=8dB

3. Total. Power Spectral Density (dBm/1MHz) = PSD (dBm/1MHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

4. Total. Power Spectral Density (dBm/500kHz) = PSD (dBm/500kHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

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Mode 802.11n-HT20	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5180	-0.278	N/A	-0.278	11 dBm/MHz
	5200	-0.370		-0.370	
	5240	-1.297		-1.297	
U-NII Band 2A	5260	1.620		1.620	
	5300	0.998		0.998	
	5320	1.020		1.020	
U-NII Band 2C	5500	0.699		0.699	
	5580	1.508		1.508	
	5700	1.191		1.191	
	5720	1.458		1.458	
Mode 802.11n-HT20	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5745	-1.729	N/A	-1.729	30dBm/500 kHz
	5785	-1.968		-1.968	
	5825	-2.625		-2.625	

Mode 802.11n-HT40	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5190	-4.426	N/A	-4.426	11 dBm/MHz
	5230	-2.889		-2.889	
U-NII Band 2A	5270	-3.128		-3.128	
	5310	-3.651		-3.651	
U-NII Band 2C	5510	-0.935		-0.935	
	5550	-0.411		-0.411	
	5670	-0.862		-0.862	
	5710	-0.650		-0.650	
Mode 802.11n-HT40	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5755	-4.291	N/A	-4.291	30dBm/500 kHz
	5795	-4.337		-4.337	

Note: 1. The results have been included cable loss.

2. BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

For UNII Band 3, Ref Offset of measured plot: Cable Loss (dB) + BWCF (dB)= 1dB+7dB=8dB

3. Total. Power Spectral Density (dBm/1MHz) = PSD (dBm/1MHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

4. Total. Power Spectral Density (dBm/500kHz) = PSD (dBm/500kHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

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Mode 802.11ac-VHT80	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5210	-7.414	N/A	-7.414	11 dBm/MHz
U-NII Band 2A	5290	-4.982		-4.982	
U-NII Band 2C	5530	-2.762		-2.762	
	5690	-2.938		-2.938	
Mode 802.11ac-VHT80	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5775	-7.338	N/A	-7.338	30dBm/500 kHz

Mode 802.11ac-VHT160	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1/2A	5250	-9.173	N/A	-9.173	11 dBm/MHz

Note: 1. The results have been included cable loss.

2. BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

For UNII Band 3, Ref Offset of measured plot: Cable Loss (dB) + BWCF (dB)= 1dB+7dB=8dB

3. Total. Power Spectral Density (dBm/1MHz) = PSD (dBm/1MHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

4. Total. Power Spectral Density (dBm/500kHz) = PSD (dBm/500kHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

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Mode 802.11ax-HE20	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5180	0.229	N/A	0.229	11 dBm/MHz
	5200	0.152		0.152	
	5240	-0.613		-0.613	
U-NII Band 2A	5260	2.134		2.134	
	5300	1.782		1.782	
	5320	1.670		1.670	
U-NII Band 2C	5500	1.535		1.535	
	5580	2.614		2.614	
	5700	1.676		1.676	
	5720	1.618		1.618	
Mode 802.11ax-HE20	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5745	-2.677	N/A	-2.677	30dBm/500 kHz
	5785	-2.857		-2.857	
	5825	-3.346		-3.346	

Mode 802.11ax-HE40	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5190	-4.141	N/A	-4.141	11 dBm/MHz
	5230	-2.727		-2.727	
U-NII Band 2A	5270	-2.651		-2.651	
	5310	-3.438		-3.438	
U-NII Band 2C	5510	-0.676		-0.676	
	5550	-0.257		-0.257	
	5670	-0.669		-0.669	
	5710	-0.593		-0.593	
Mode 802.11ax-HE40	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5755	-5.386	N/A	-5.386	30dBm/500 kHz
	5795	-5.606		-5.606	

Note: 1. The results have been included cable loss.

2. BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

For UNII Band 3, Ref Offset of measured plot: Cable Loss (dB) + BWCF (dB)= 1dB+7dB=8dB

3. Total. Power Spectral Density (dBm/1MHz) = PSD (dBm/1MHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

4. Total. Power Spectral Density (dBm/500kHz) = PSD (dBm/500kHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

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Mode 802.11ax-HE80	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5210	-7.546	N/A	-7.546	11 dBm/MHz
U-NII Band 2A	5290	-5.067		-5.067	
U-NII Band 2C	5530	-3.007		-3.007	
	5690	-2.726		-2.726	
Mode 802.11ax-HE80	Centre Frequency (MHz)	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5775	-7.796	N/A	-7.796	30dBm/500 kHz

Mode 802.11ax-HE160	Centre Frequency (MHz)	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1/2A	5250	-9.024	N/A	-9.024	11 dBm/MHz

Note: 1. The results have been included cable loss.

2. BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

For UNII Band 3, Ref Offset of measured plot: Cable Loss (dB) + BWCF (dB)= 1dB+7dB=8dB

3. Total. Power Spectral Density (dBm/1MHz) = PSD (dBm/1MHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

4. Total. Power Spectral Density (dBm/500kHz) = PSD (dBm/500kHz) + Duty Cycle Factor(dB) when duty cycle is less than 98%.

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Mode 802.11ax-HE20	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/1MHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/1MHz) ^{Note 3}	Limit
U-NII Band 1	5180	26/0	-1.639	N/A	-1.639	11 dBm/MHz
		52/37	-1.786		-1.786	
		106/53	-1.799		-1.799	
U-NII Band 2A	5320	26/8	-1.540		-1.540	
		52/40	-2.711		-2.711	
		106/54	-3.058		-3.058	
U-NII Band 2C	5500	26/0	-0.481		-0.481	
		52/37	-0.577		-0.577	
		106/53	-1.011		-1.011	
	5700	26/8	-0.483		-0.483	
		52/40	-0.470		-0.470	
		106/54	-0.815		-0.815	
Mode 802.11ax-HE20	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm/500kHz)	Duty Cycle Factor 10log(1/X)	Total Power Spectral Density (dBm/500kHz) ^{Note 4}	Limit
U-NII Band 3 ^{Note2}	5745	26/0	-4.962	N/A	-4.962	30dBm/500 kHz
		52/37	-3.527		-3.527	
		106/53	-4.604		-4.604	
	5825	26/8	-4.398		-4.398	
		52/40	-3.340		-3.340	
		106/54	-4.489		-4.489	

Note: 1. The results have been included cable loss.

2. BWCF 7dB (100kHz converted to 500kHz) has been included in the test result.

For UNII Band 3, Ref Offset of measured plot: Cable Loss (dB) + BWCF (dB)= 1dB+7dB=8dB

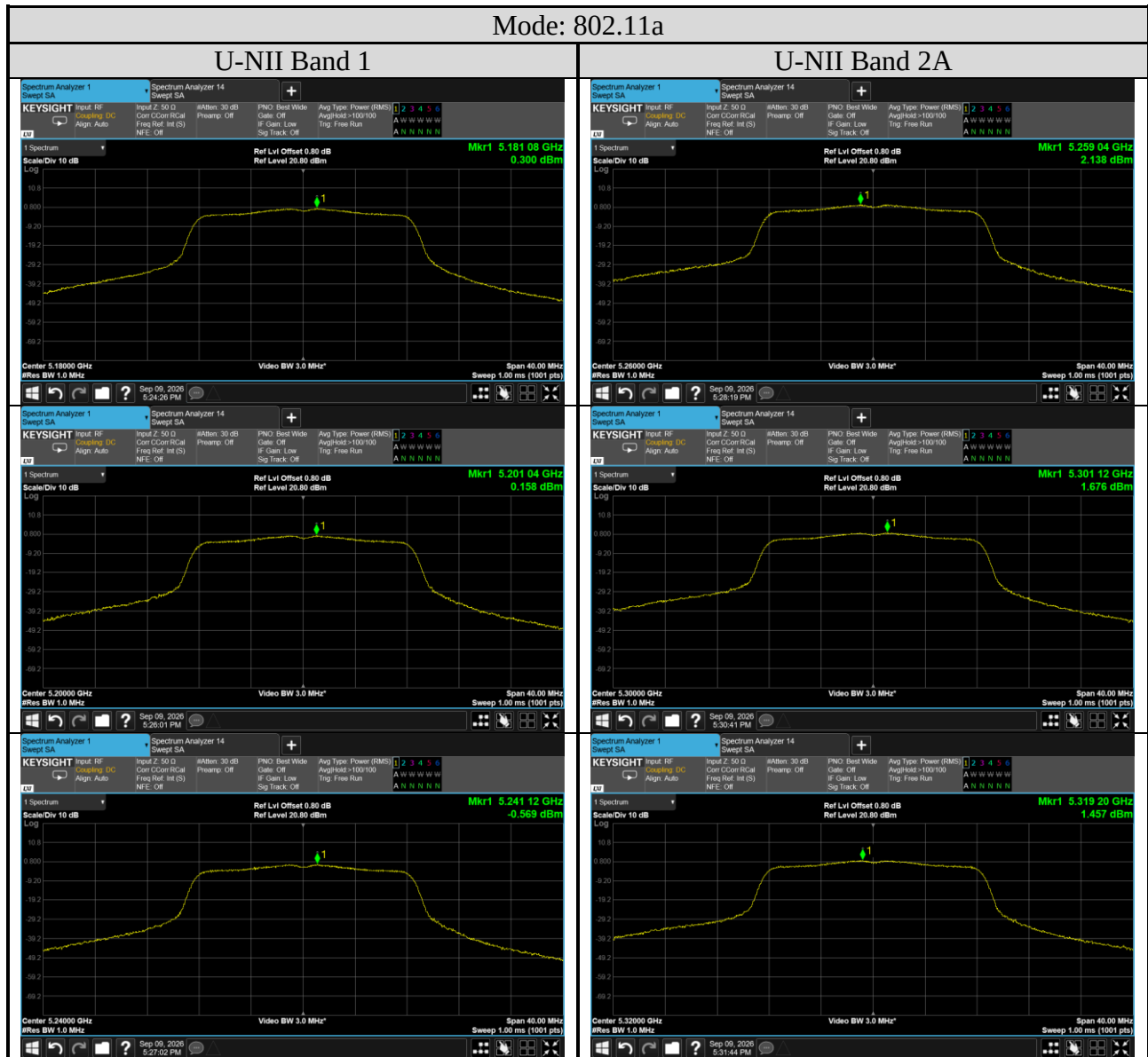
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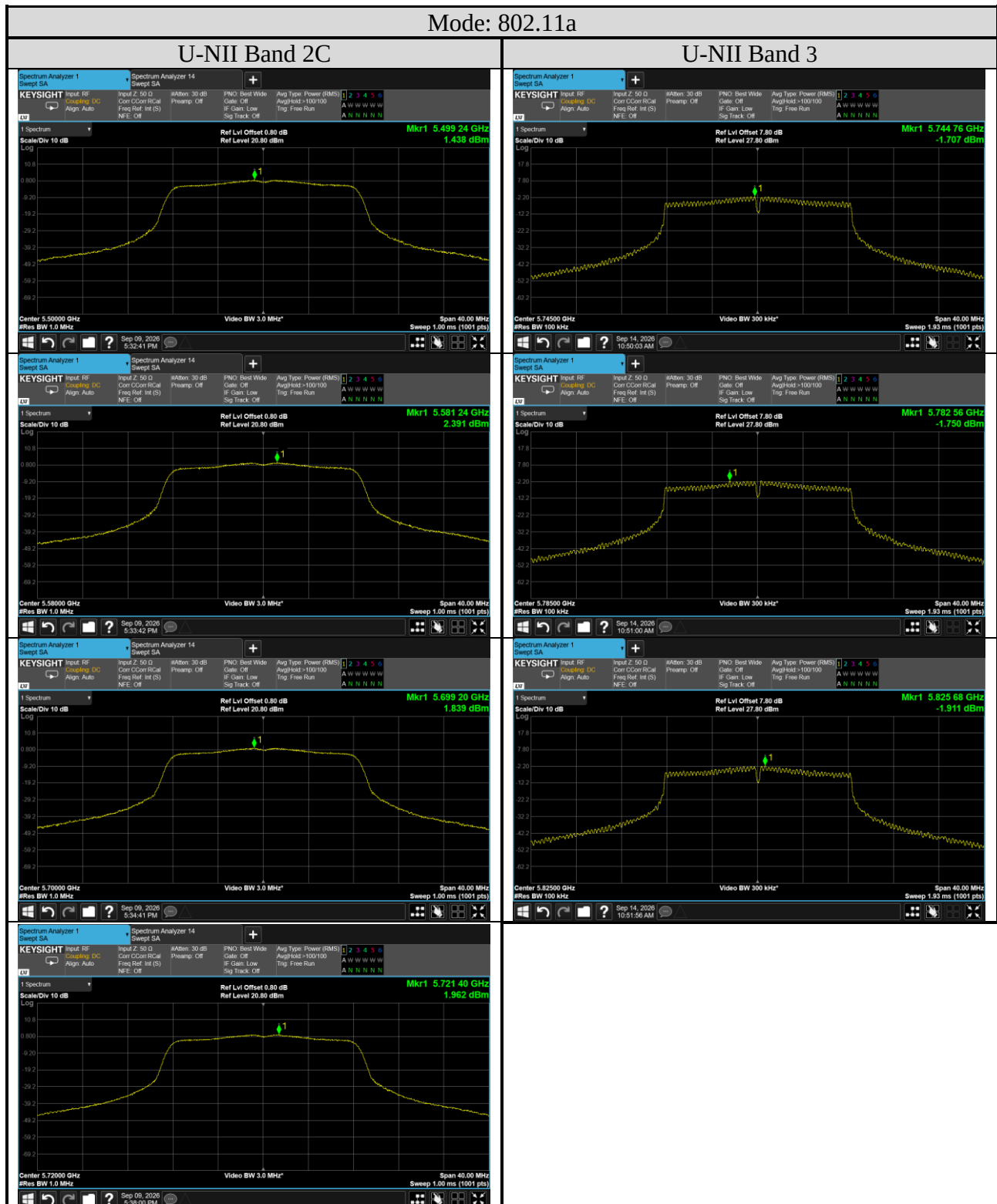
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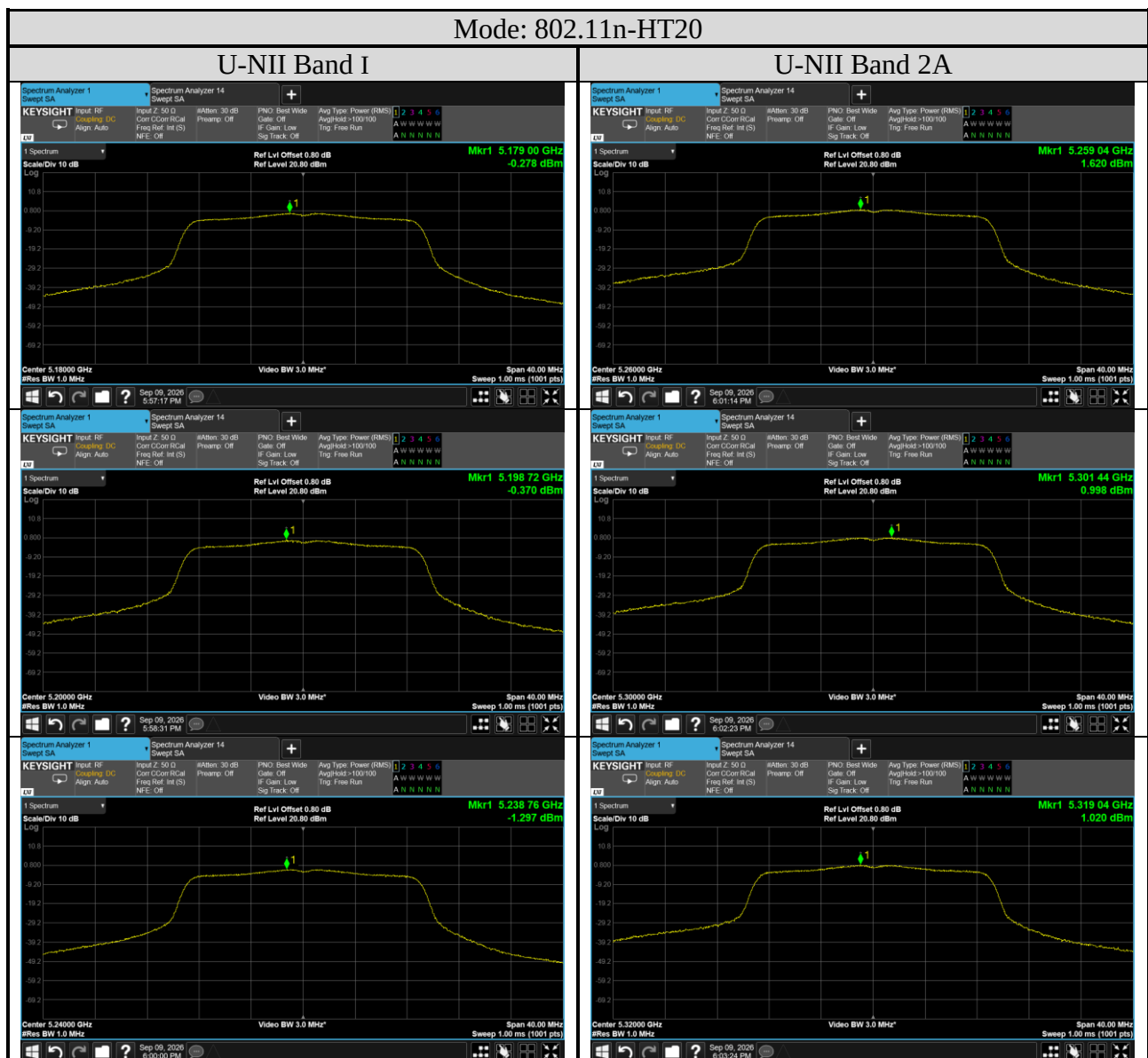
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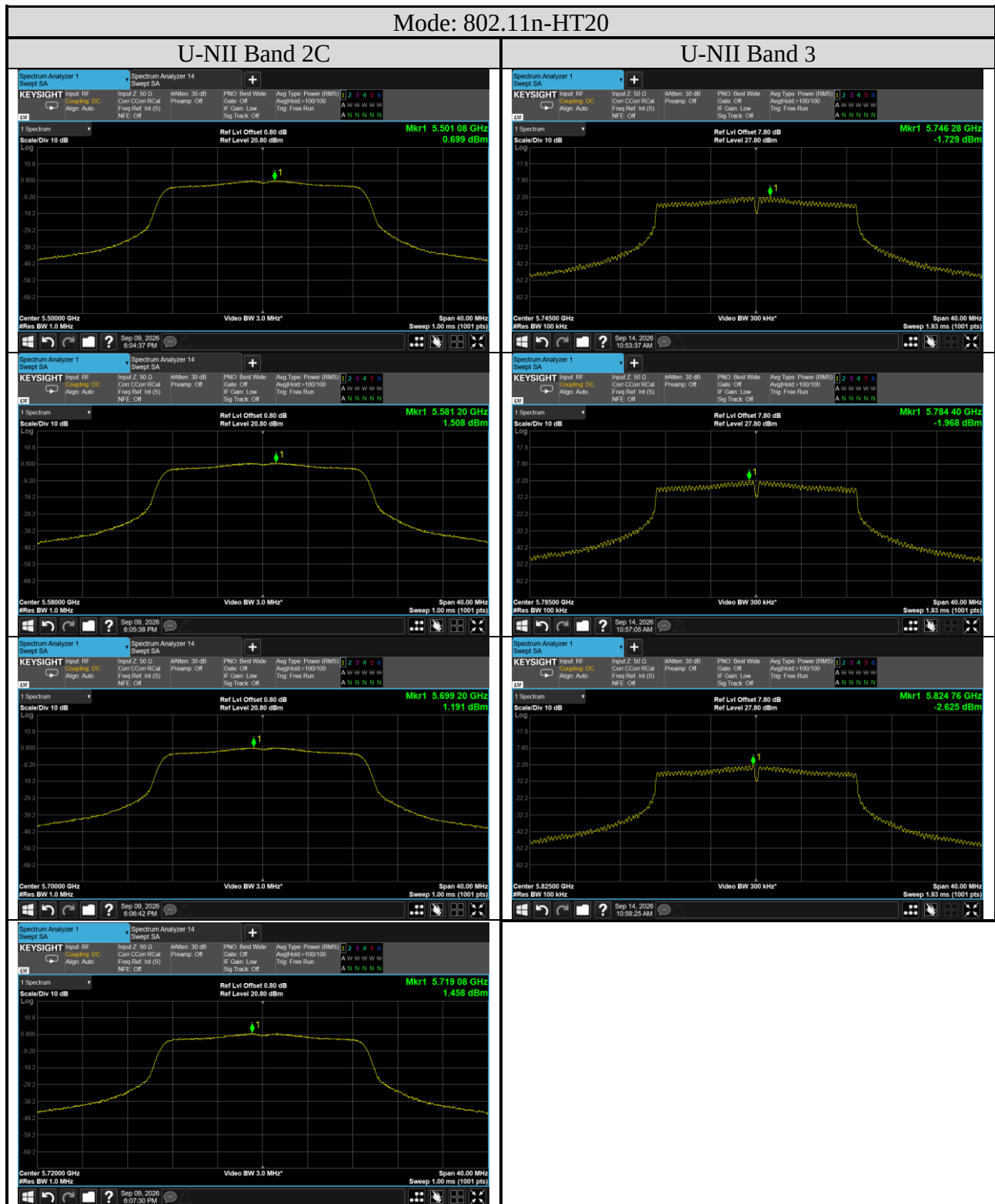
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A.4.2 Measurement Plots









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