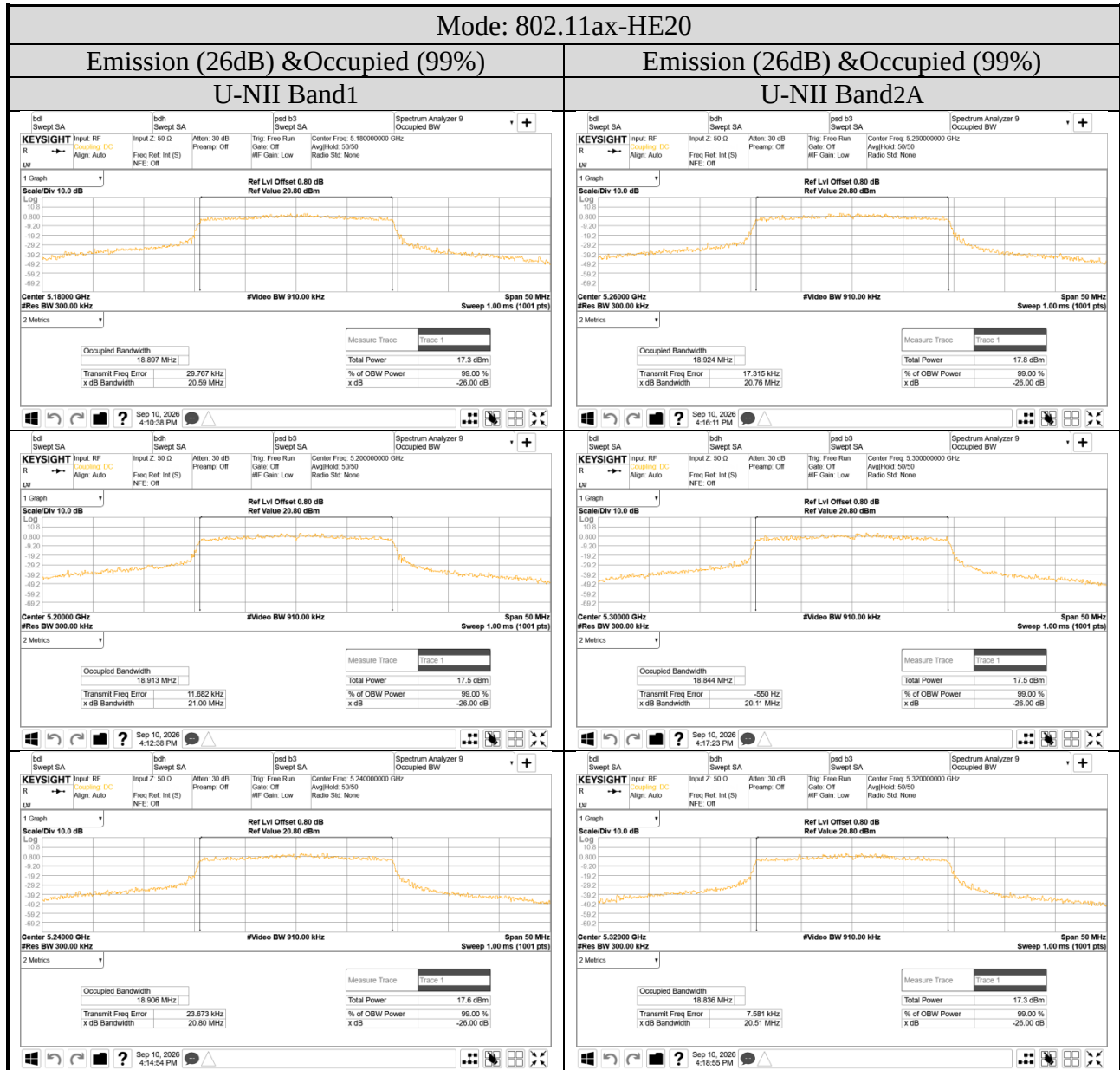


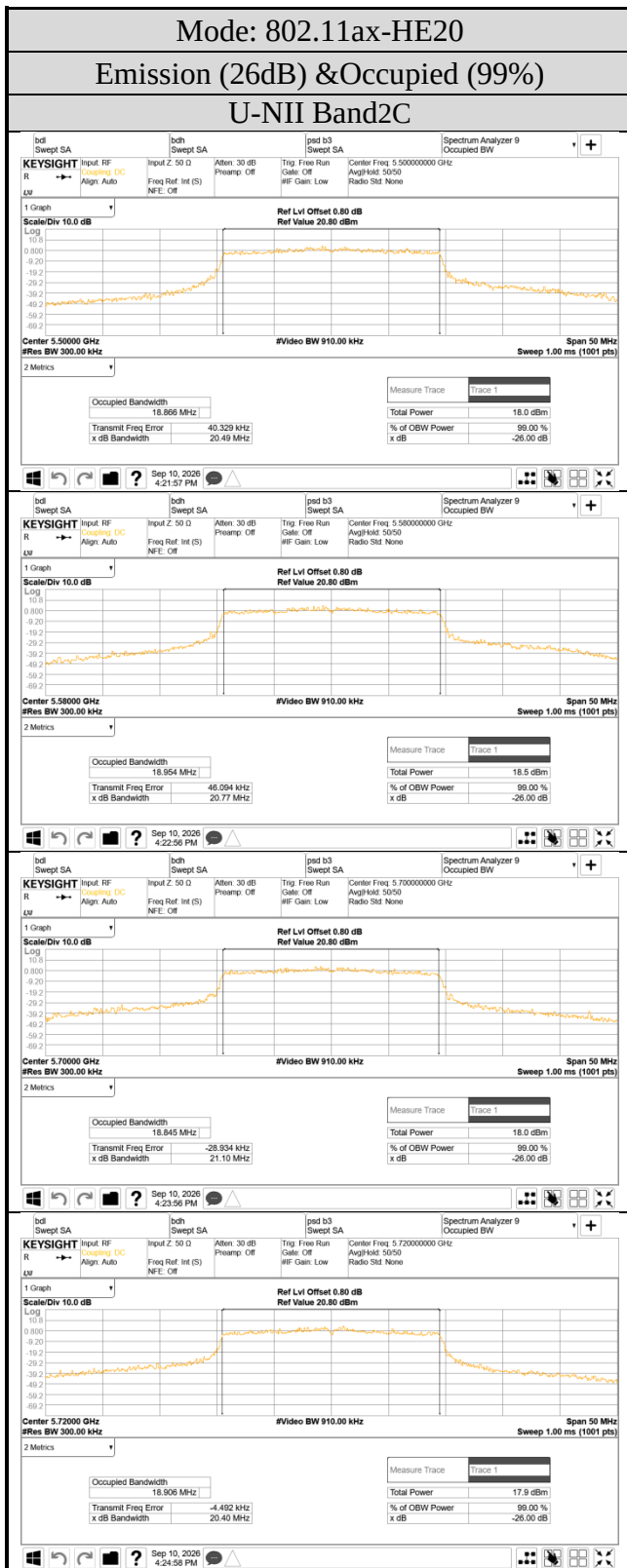
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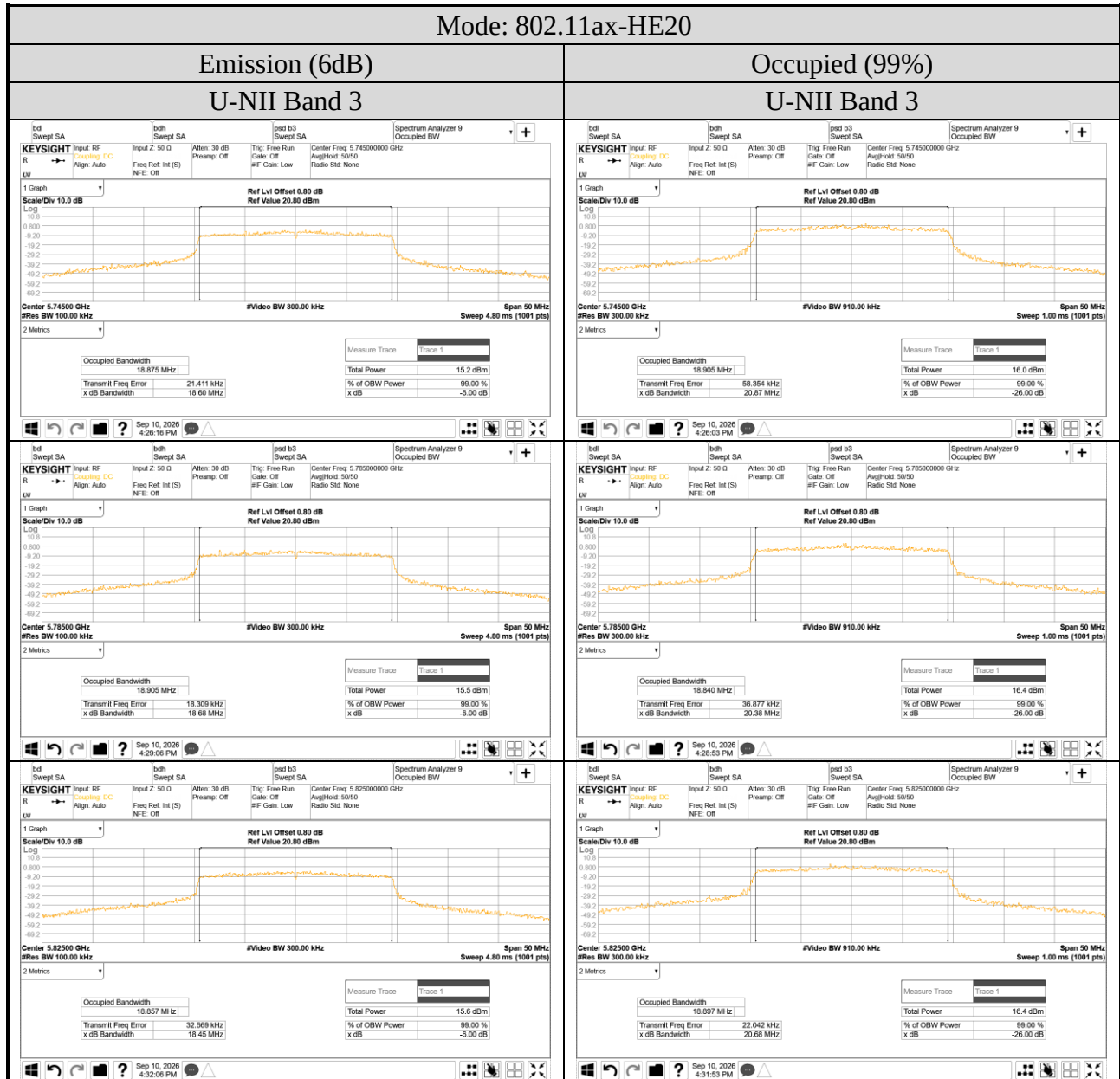
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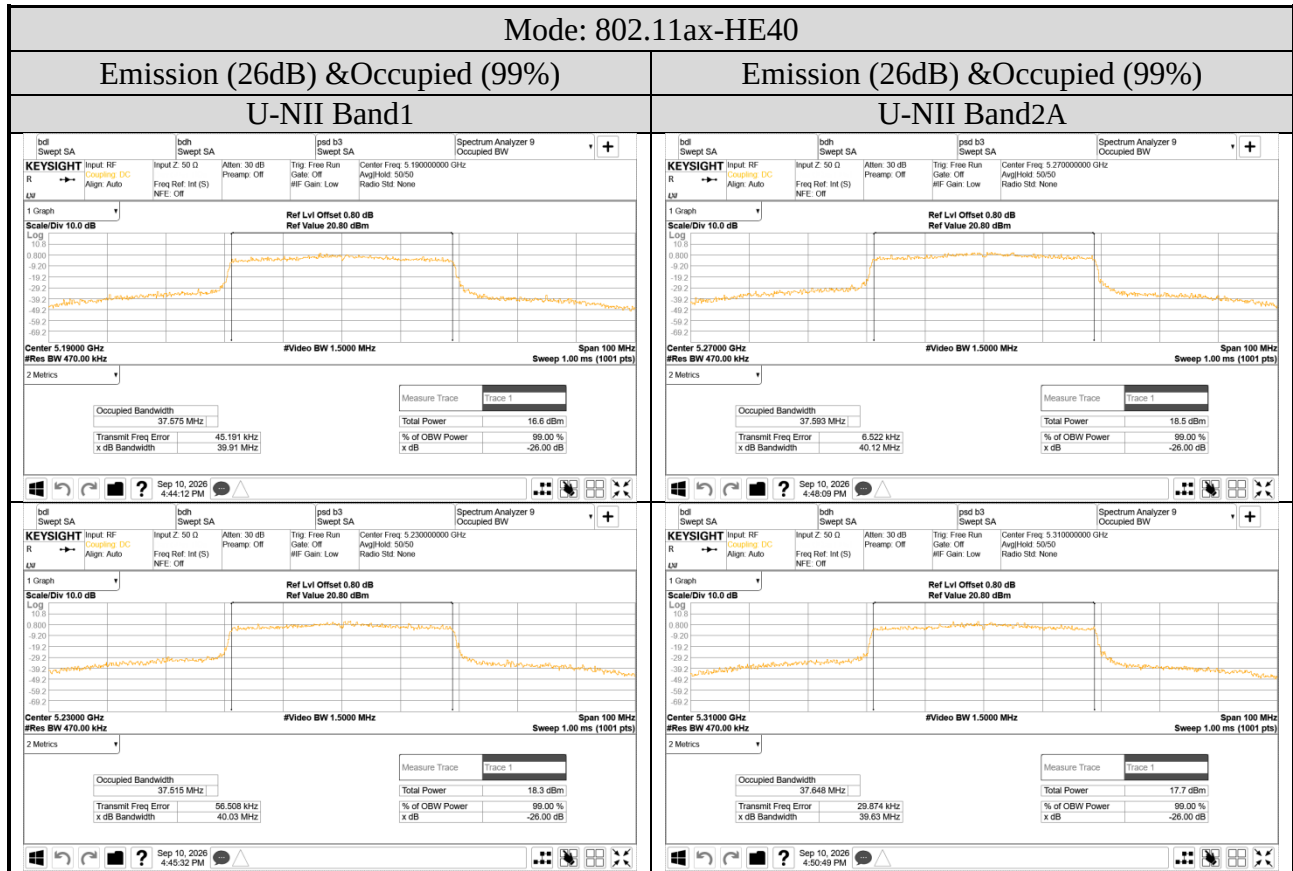
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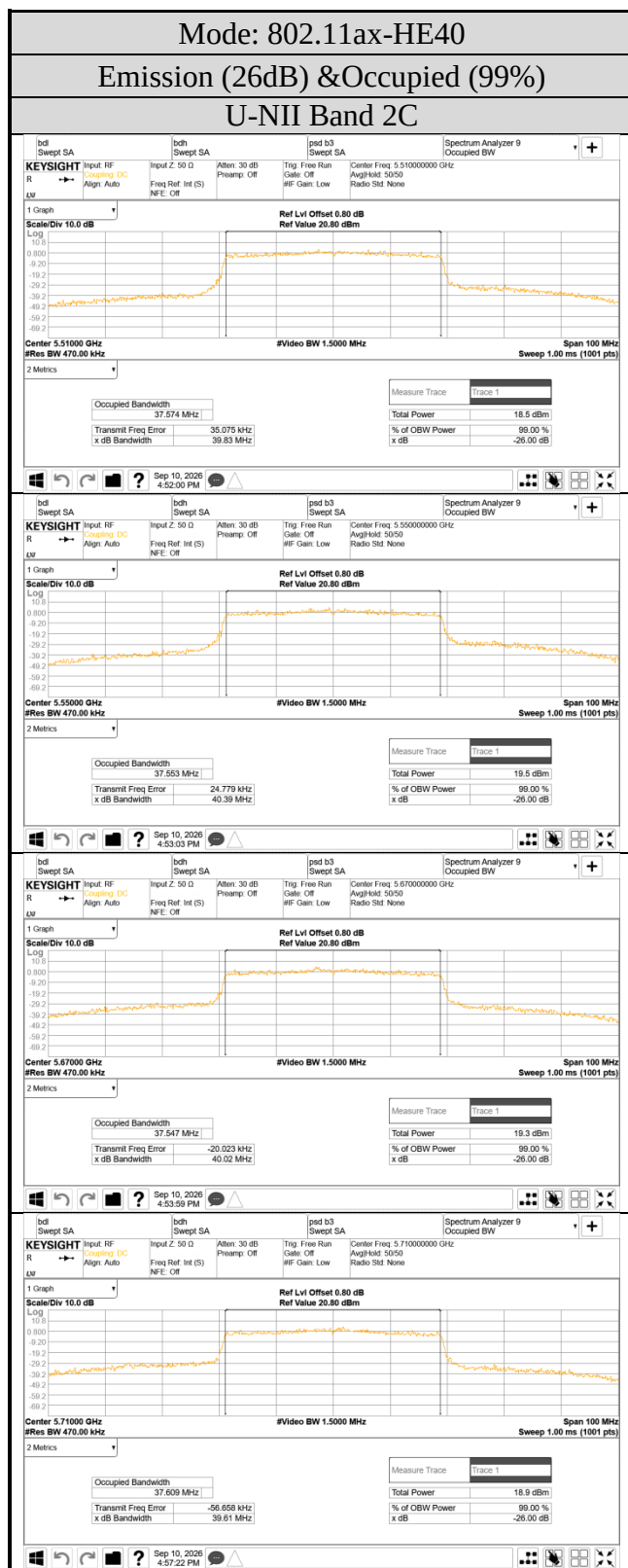
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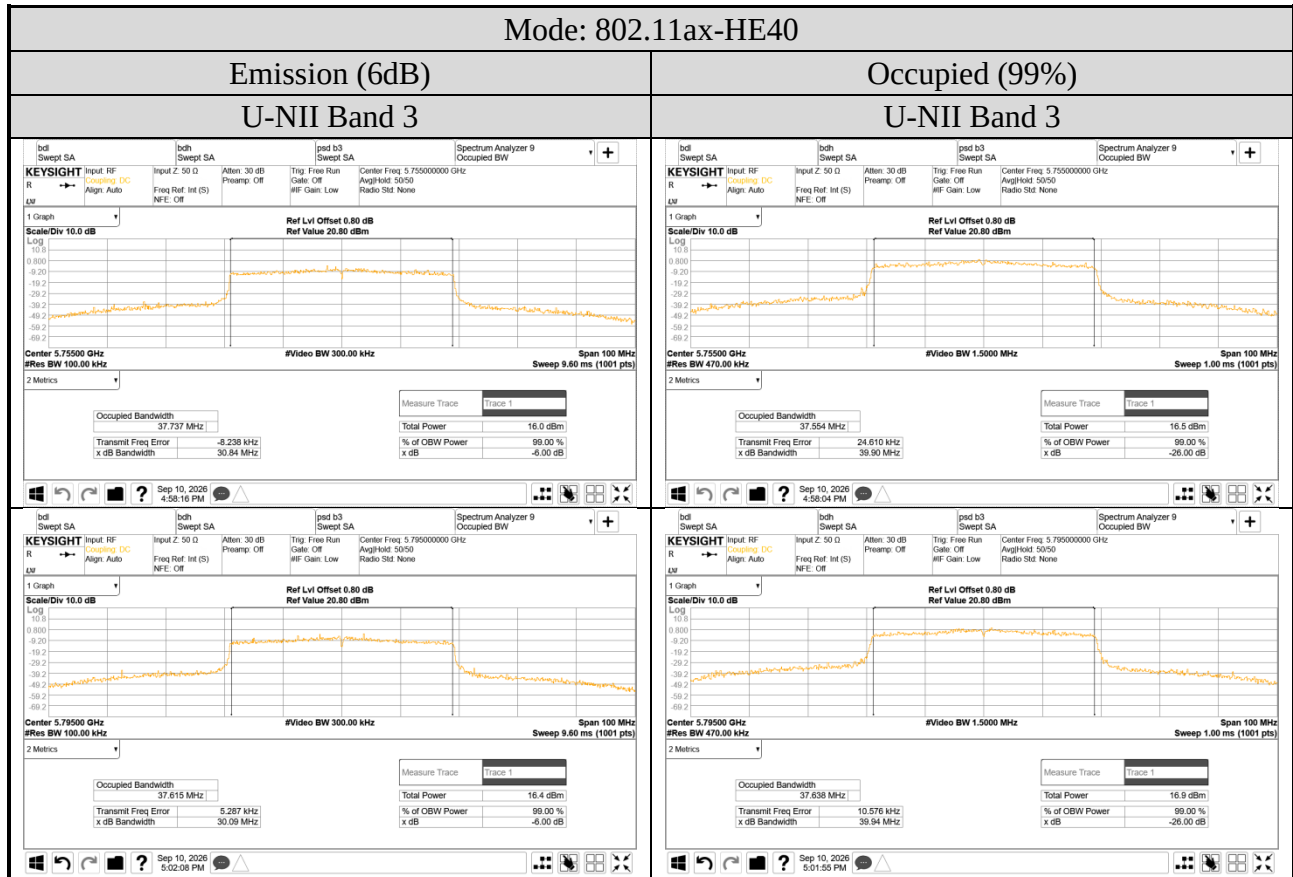
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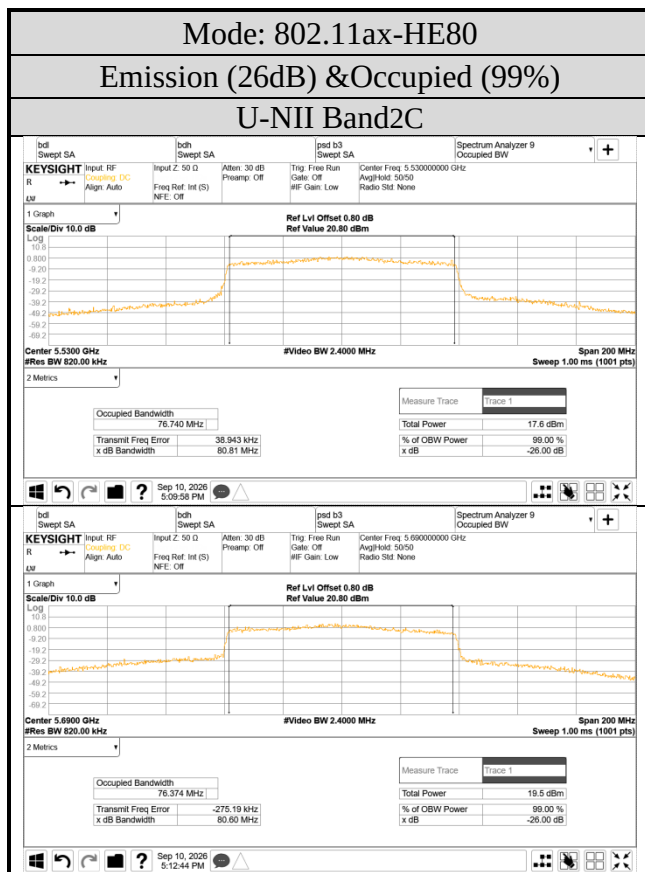
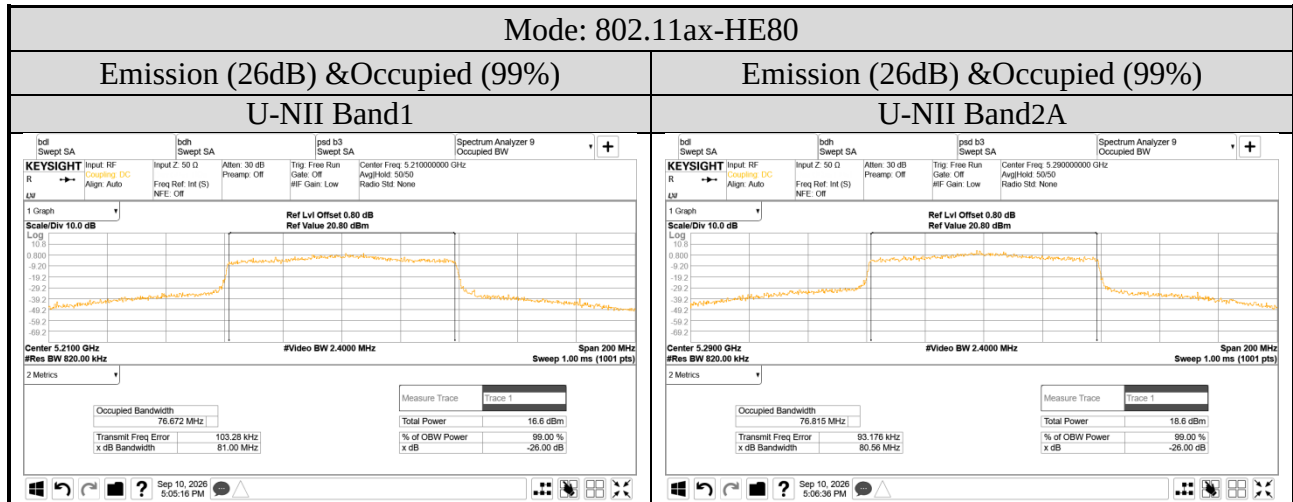
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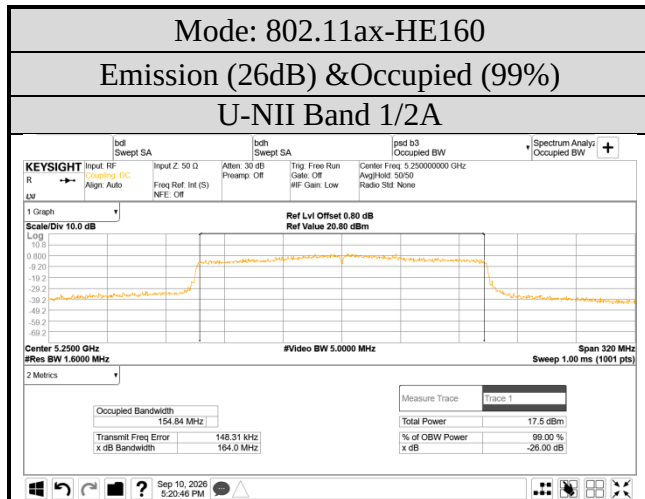
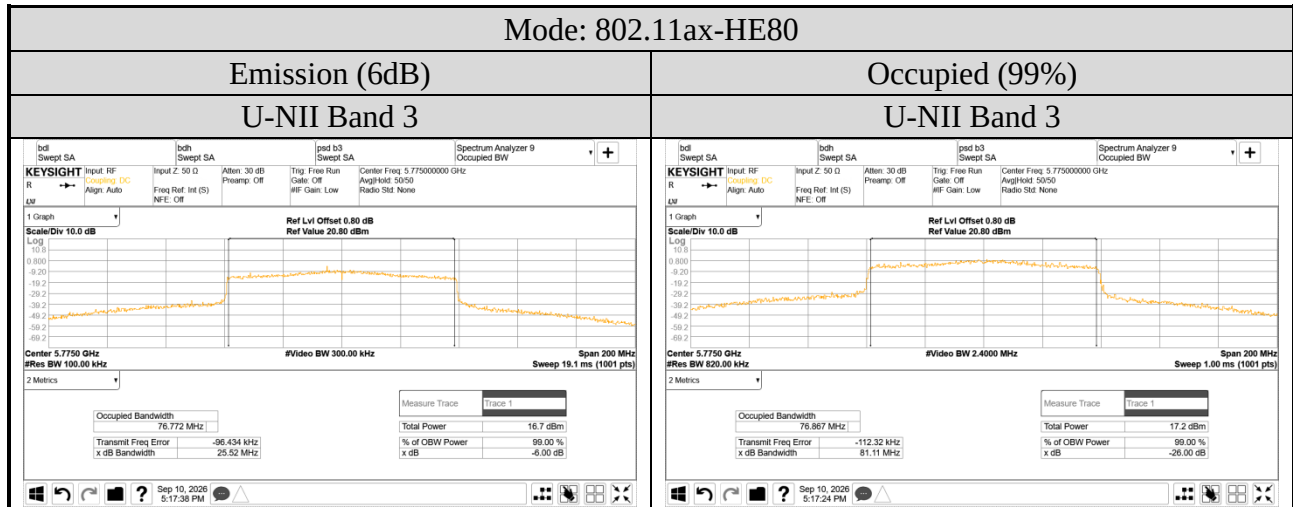
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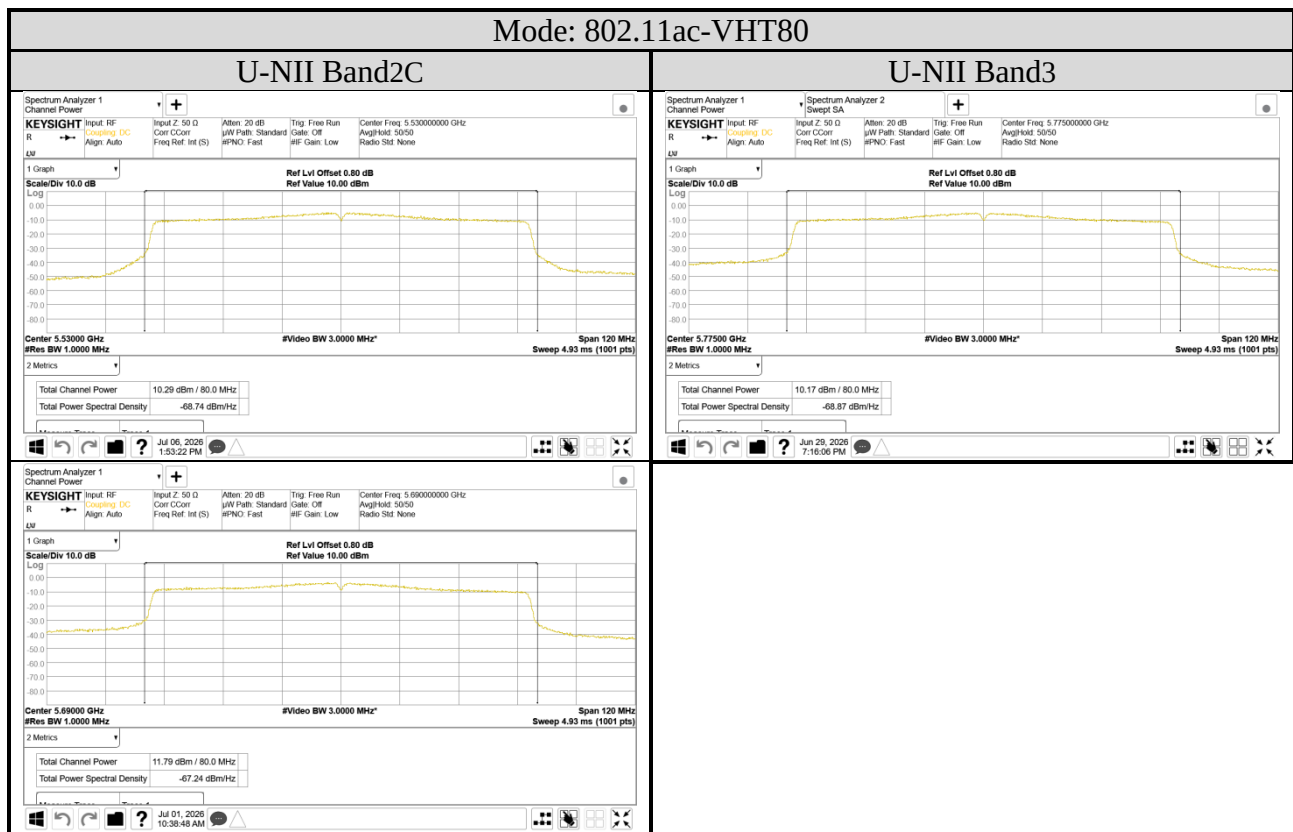
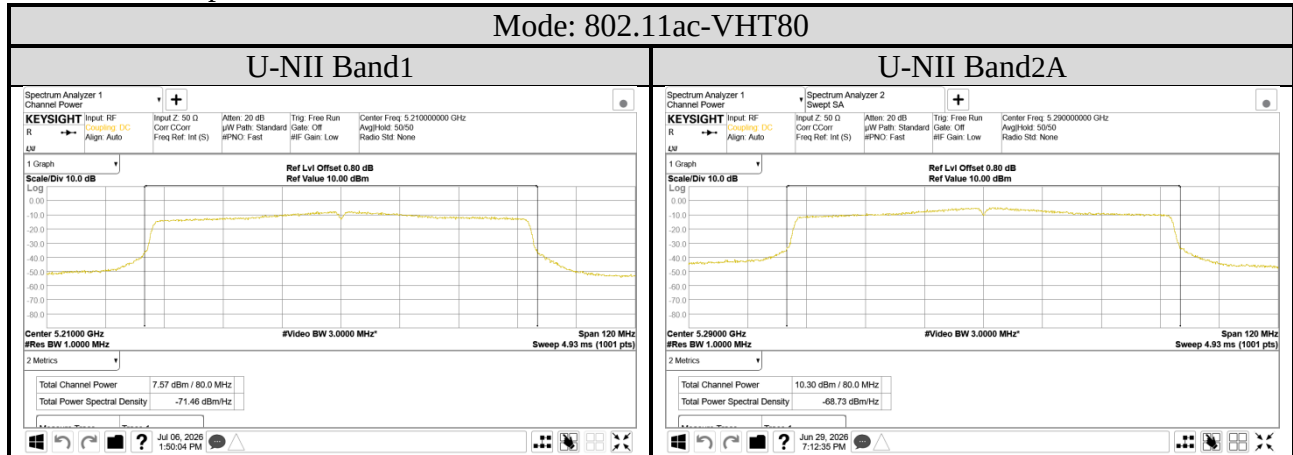
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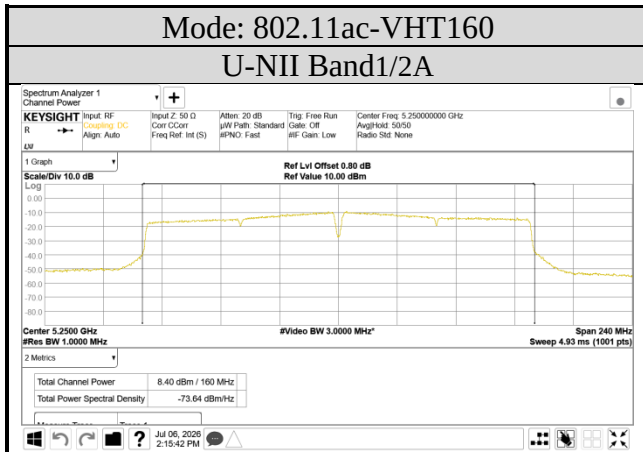


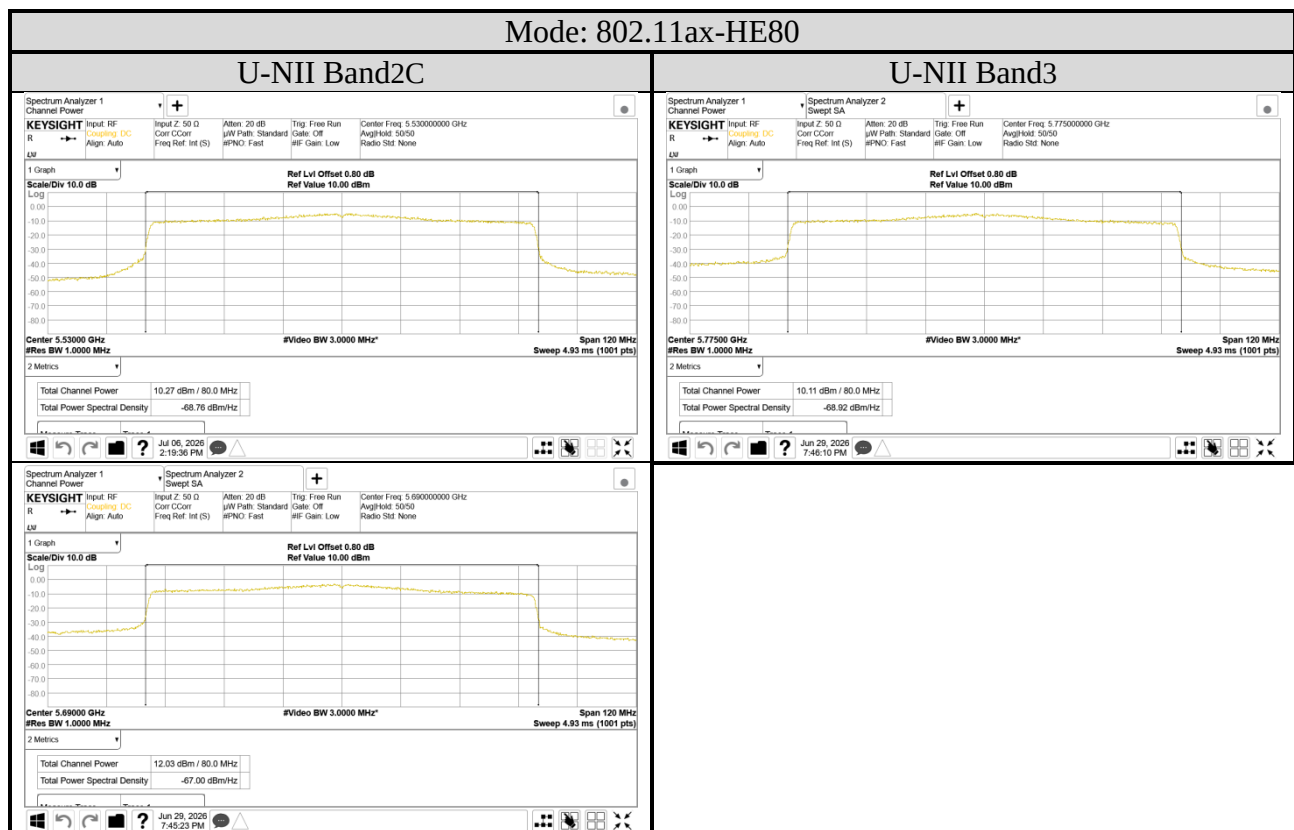
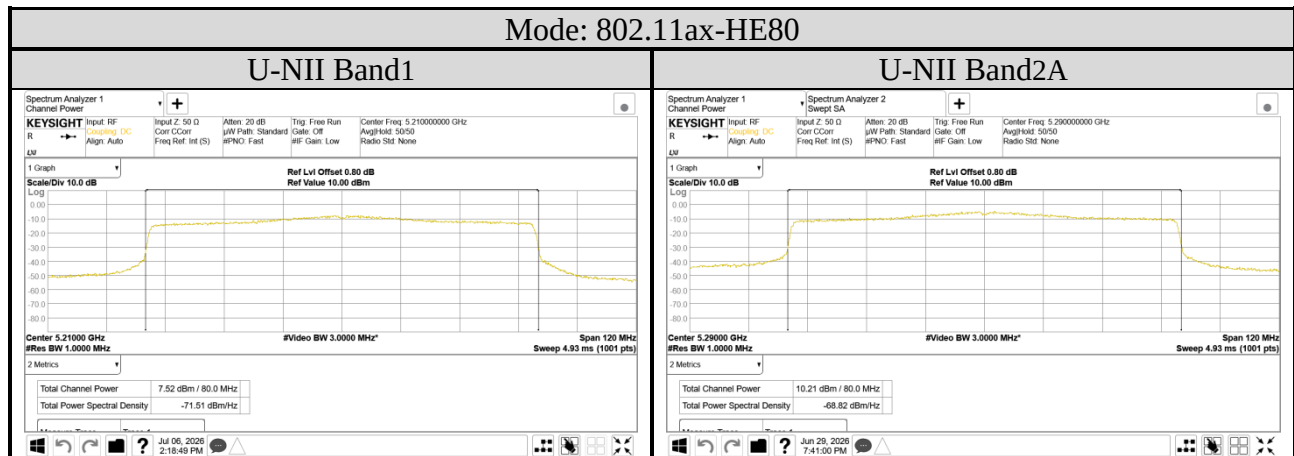
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Output Power

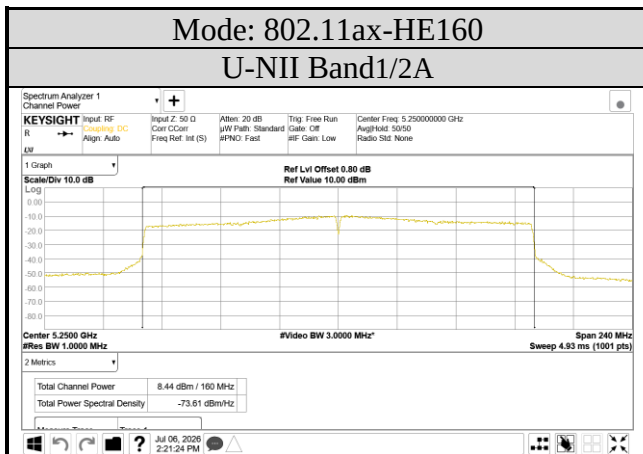






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A.4 POWER SPECTRAL DENSITY

Test Date	2026/09/10	Temp./Hum.	23°C/57%
Cable Loss	0.80dB	Tested By	Kevin Yao
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	1.238	N/A	1.238	11 dBm/MHz
	5200	1.603		1.603	
	5240	1.395		1.395	
U-NII Band 2A	5260	1.742		1.742	
	5300	1.135		1.135	
	5320	0.903		0.903	
U-NII Band 2C	5500	1.996		1.996	
	5580	2.460		2.460	
	5700	2.049		2.049	
	5720	1.667		1.667	
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	-2.647	N/A	-2.647	30dBm/500 kHz
	5785	-2.246		-2.246	
	5825	-2.093		-2.093	

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	0.706	N/A	0.706	11 dBm/MHz
	5200	1.030		1.030	
	5240	0.782		0.782	
U-NII Band 2A	5260	1.169		1.169	
	5300	0.481		0.481	
	5320	0.232		0.232	
U-NII Band 2C	5500	1.642		1.642	
	5580	1.850		1.850	
	5700	1.318		1.318	
	5720	1.203		1.203	
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	-3.093	N/A	-3.093	30dBm/500 kHz
	5785	-2.674		-2.674	
	5825	-2.660		-2.660	

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	-2.744	N/A	-2.744	11 dBm/MHz
	5230	-0.885		-0.885	
U-NII Band 2A	5270	-0.917		-0.917	
	5310	-1.518		-1.518	
U-NII Band 2C	5510	-0.789		-0.789	
	5550	-0.016		-0.016	
	5670	-0.161		-0.161	
	5710	-0.639		-0.639	
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	-5.332	N/A	-5.332	30dBm/500 kHz
	5795	-5.085		-5.085	

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	-6.123	N/A	-6.123	11 dBm/MHz
U-NII Band 2A	5290	-3.859		-3.859	
U-NII Band 2C	5530	-4.551		-4.551	
	5690	-3.103		-3.103	
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	-8.152	N/A	-8.152	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	-8.259	N/A	-8.259	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	1.025	N/A	1.025	11 dBm/MHz
	5200	0.929		0.929	
	5240	1.078		1.078	
U-NII Band 2A	5260	1.220		1.220	
	5300	0.936		0.936	
	5320	0.596		0.596	
U-NII Band 2C	5500	1.563		1.563	
	5580	2.028		2.028	
	5700	1.537		1.537	
	5720	1.235		1.235	
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	-3.872	N/A	-3.872	30dBm/500 kHz
	5785	-3.284		-3.284	
	5825	-3.176		-3.176	

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	-3.244	N/A	-3.244	11 dBm/MHz
	5230	-1.379		-1.379	
U-NII Band 2A	5270	-1.102		-1.102	
	5310	-1.978		-1.978	
U-NII Band 2C	5510	-1.043		-1.043	
	5550	-0.530		-0.530	
	5670	-0.532		-0.532	
	5710	-0.843		-0.843	
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	-6.354	N/A	-6.354	30dBm/500 kHz
	5795	-5.831		-5.831	

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	-5.997	N/A	-5.997	11 dBm/MHz
U-NII Band 2A	5290	-3.775		-3.775	
U-NII Band 2C	5530	-4.767		-4.767	
	5690	-2.838		-2.838	
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	-8.502	N/A	-8.502	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	-8.077	N/A	-8.077	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	-0.205	N/A	-0.205	11 dBm/MHz
		52/37	0.078		0.078	
		106/53	-0.875		-0.875	
U-NII Band 2A	5320	26/8	0.452		0.452	
		52/40	-0.154		-0.154	
		106/54	-1.175		-1.175	
U-NII Band 2C	5500	26/0	1.905		1.905	
		52/37	-0.090		-0.090	
		106/53	-0.437		-0.437	
	5700	26/8	1.387		1.387	
		52/40	-0.073		-0.073	
		106/54	-0.570		-0.570	
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	-3.331	N/A	-3.331	30dBm/500 kHz
		52/37	-3.245		-3.245	
		106/53	-6.075		-6.075	
	5825	26/8	-1.932		-1.932	
		52/40	-2.432		-2.432	
		106/54	-5.792		-5.792	

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%.

A.4.2 Measurement Plots

