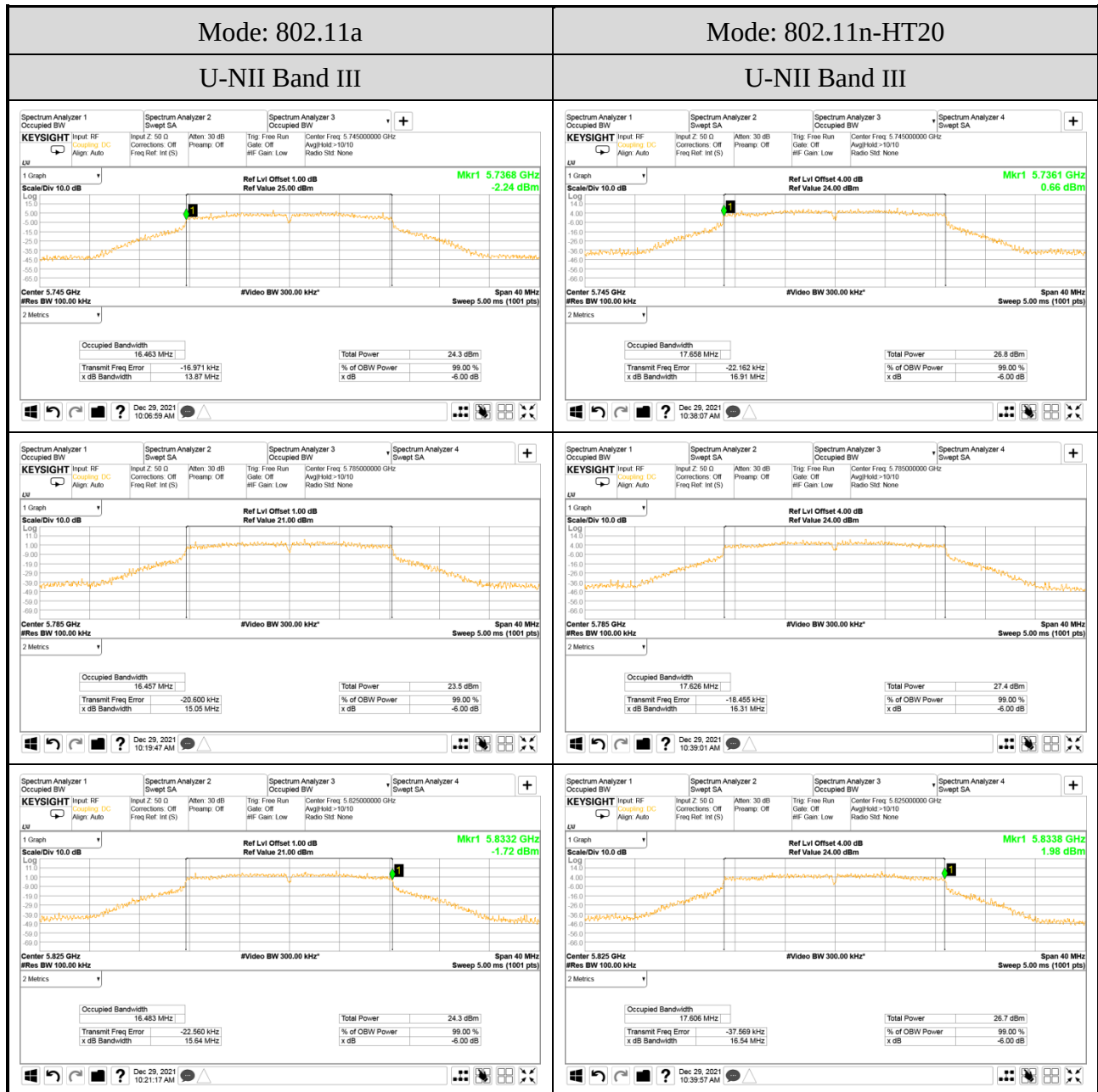


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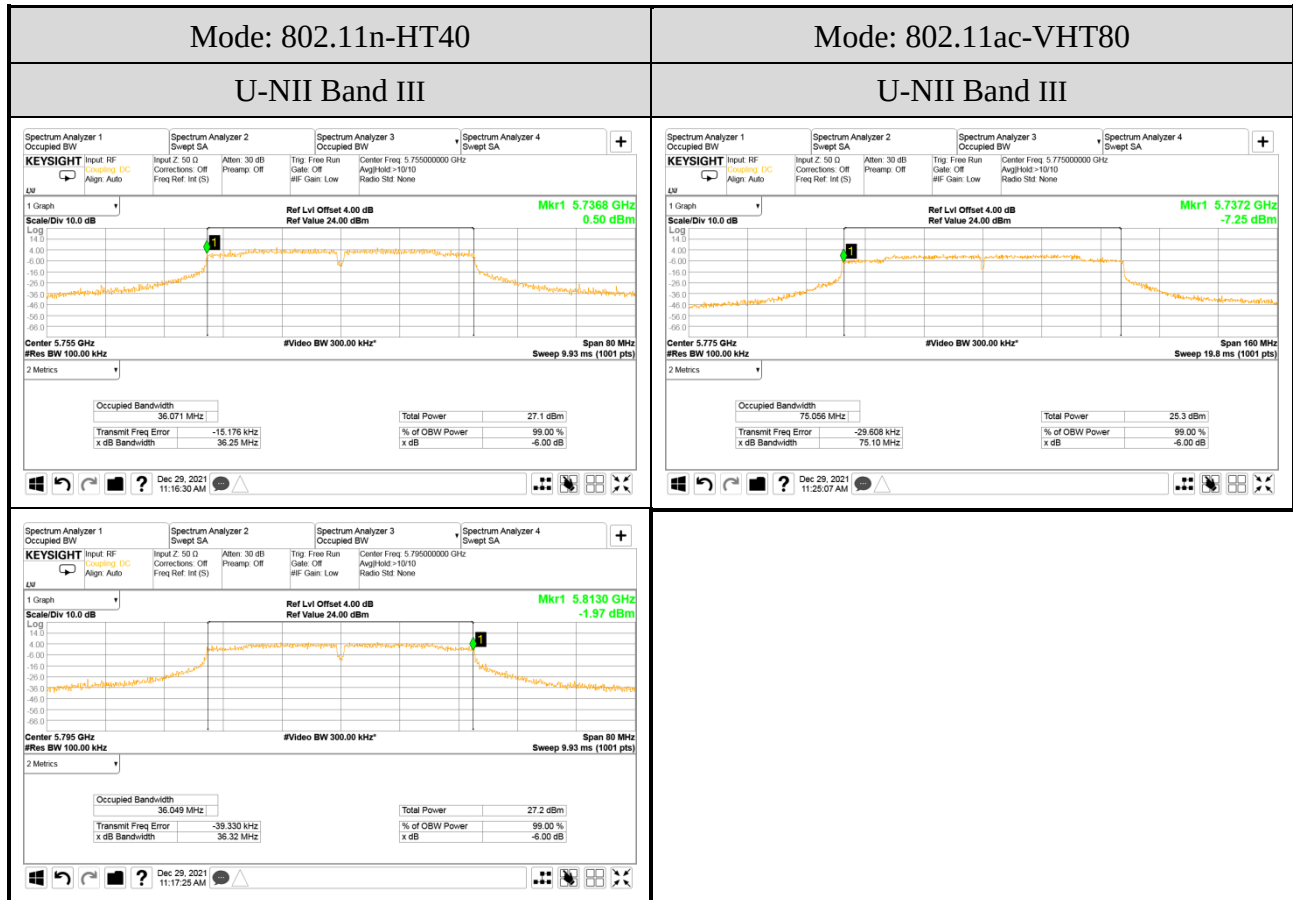
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● For Emission (6dB) Bandwidth



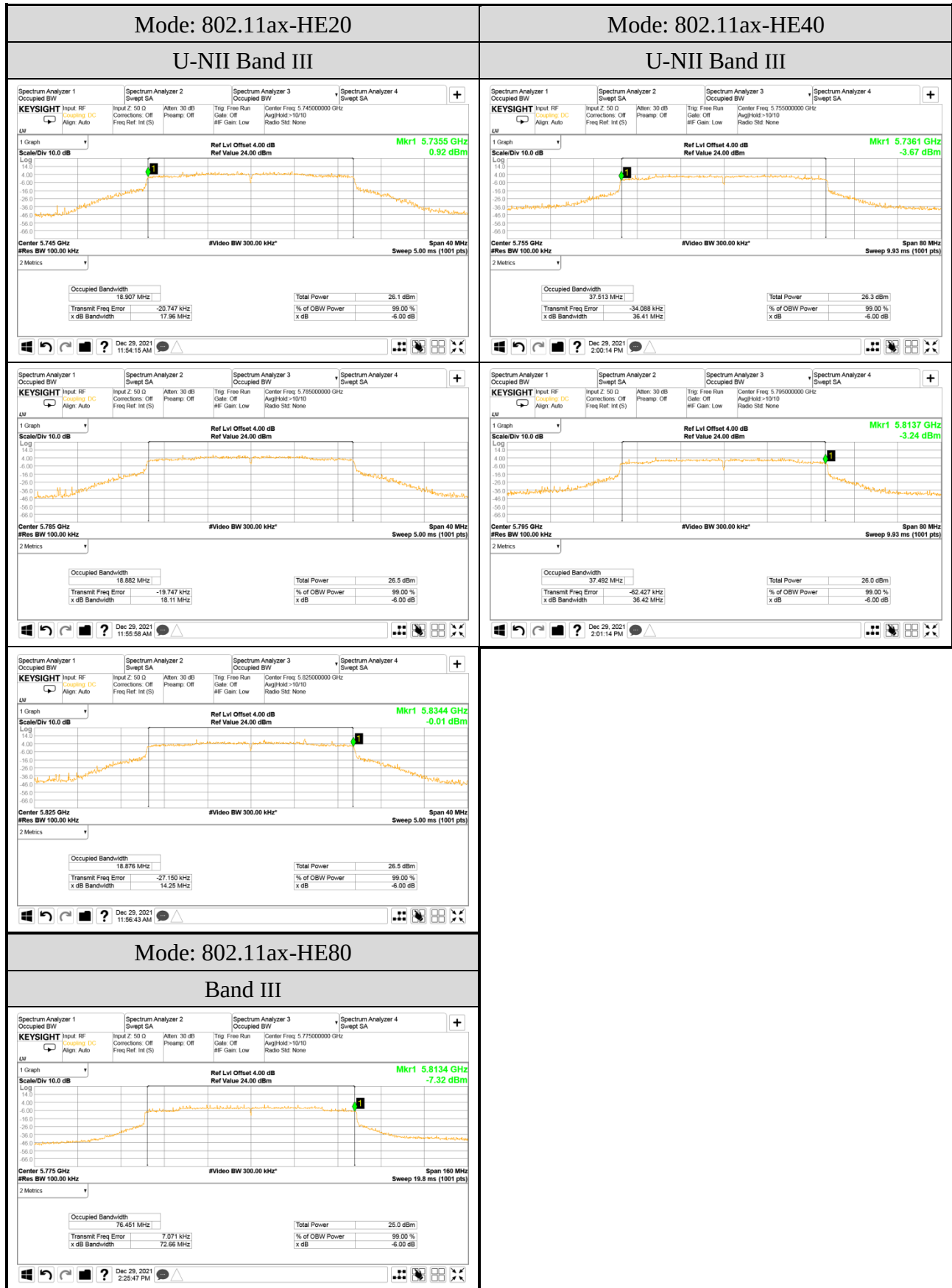
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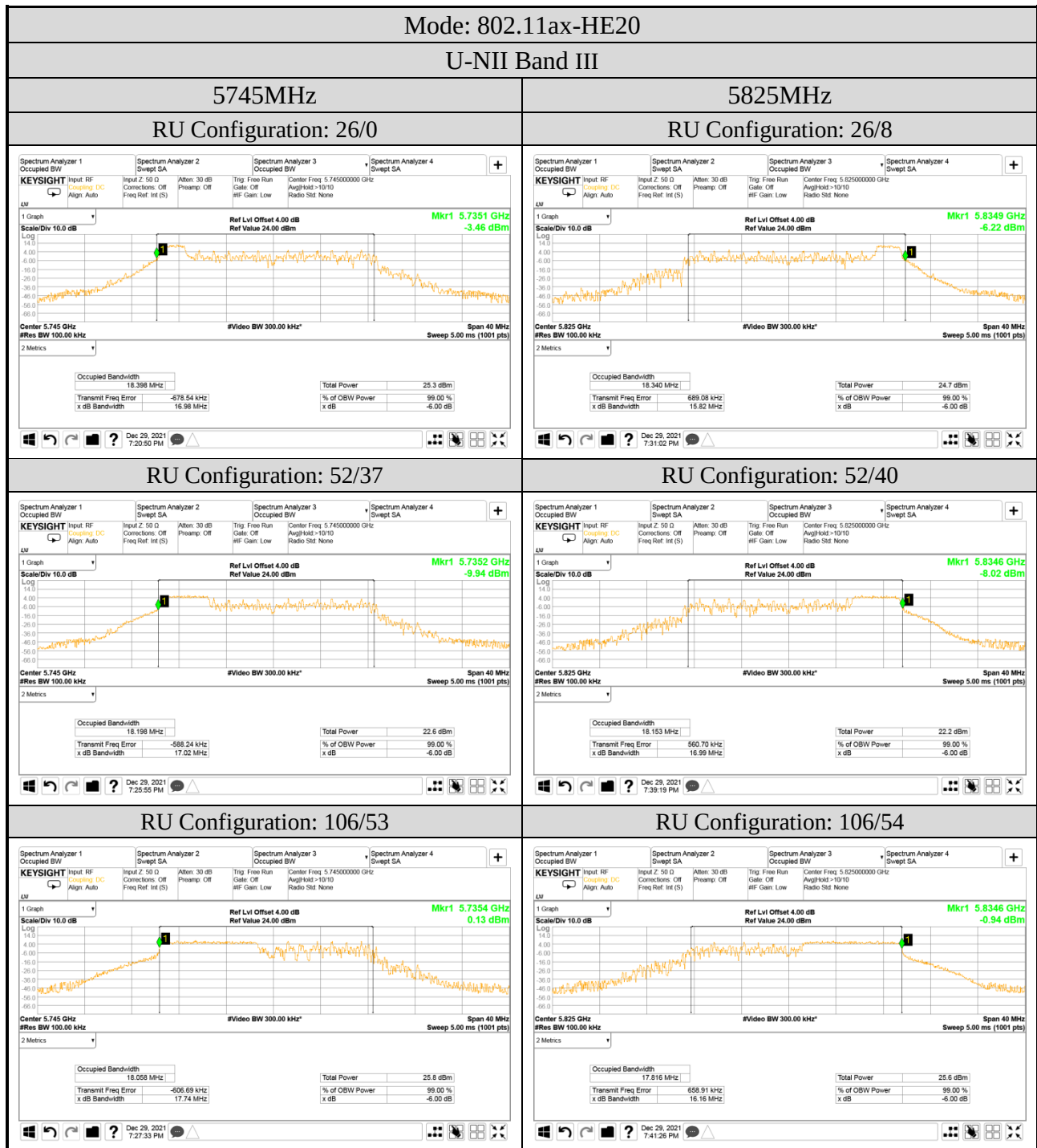
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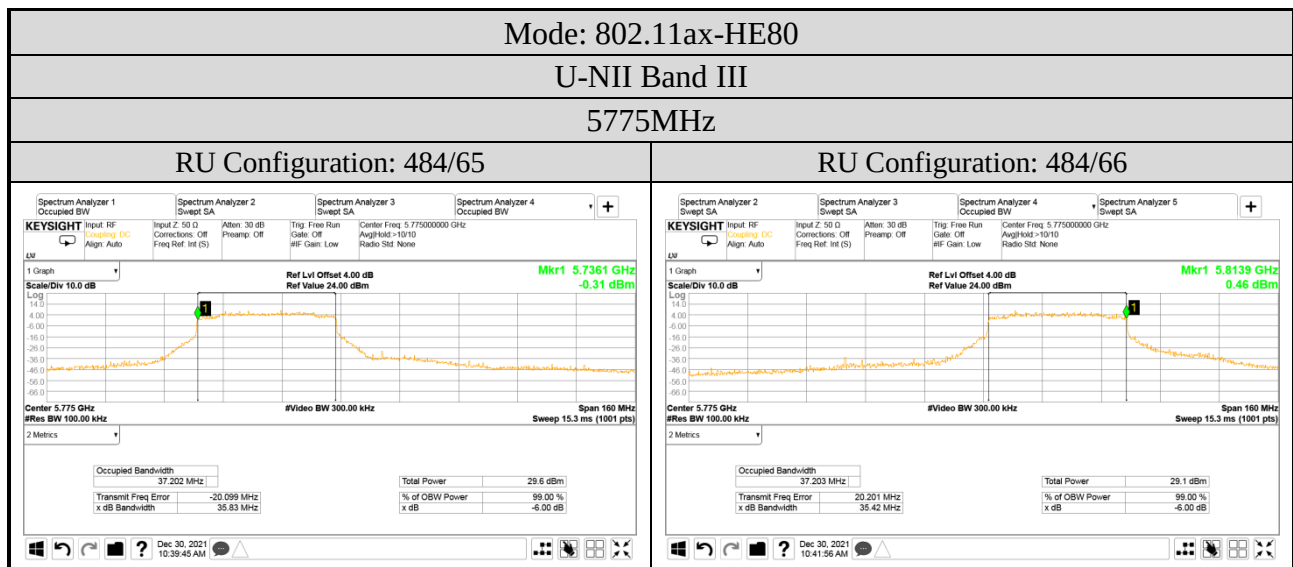
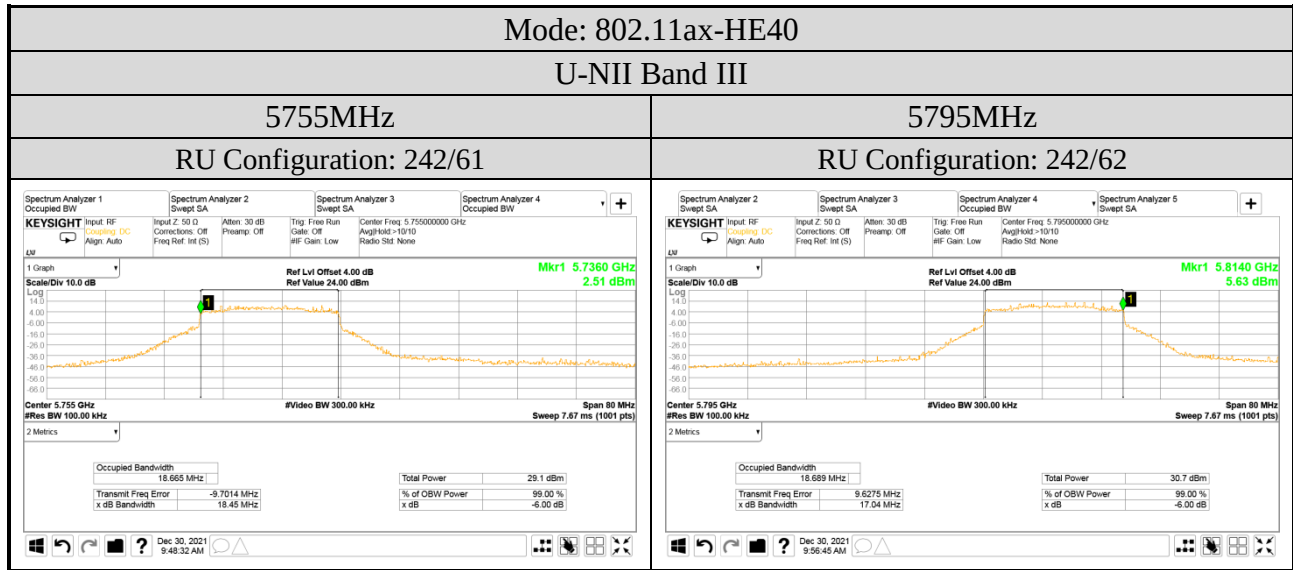
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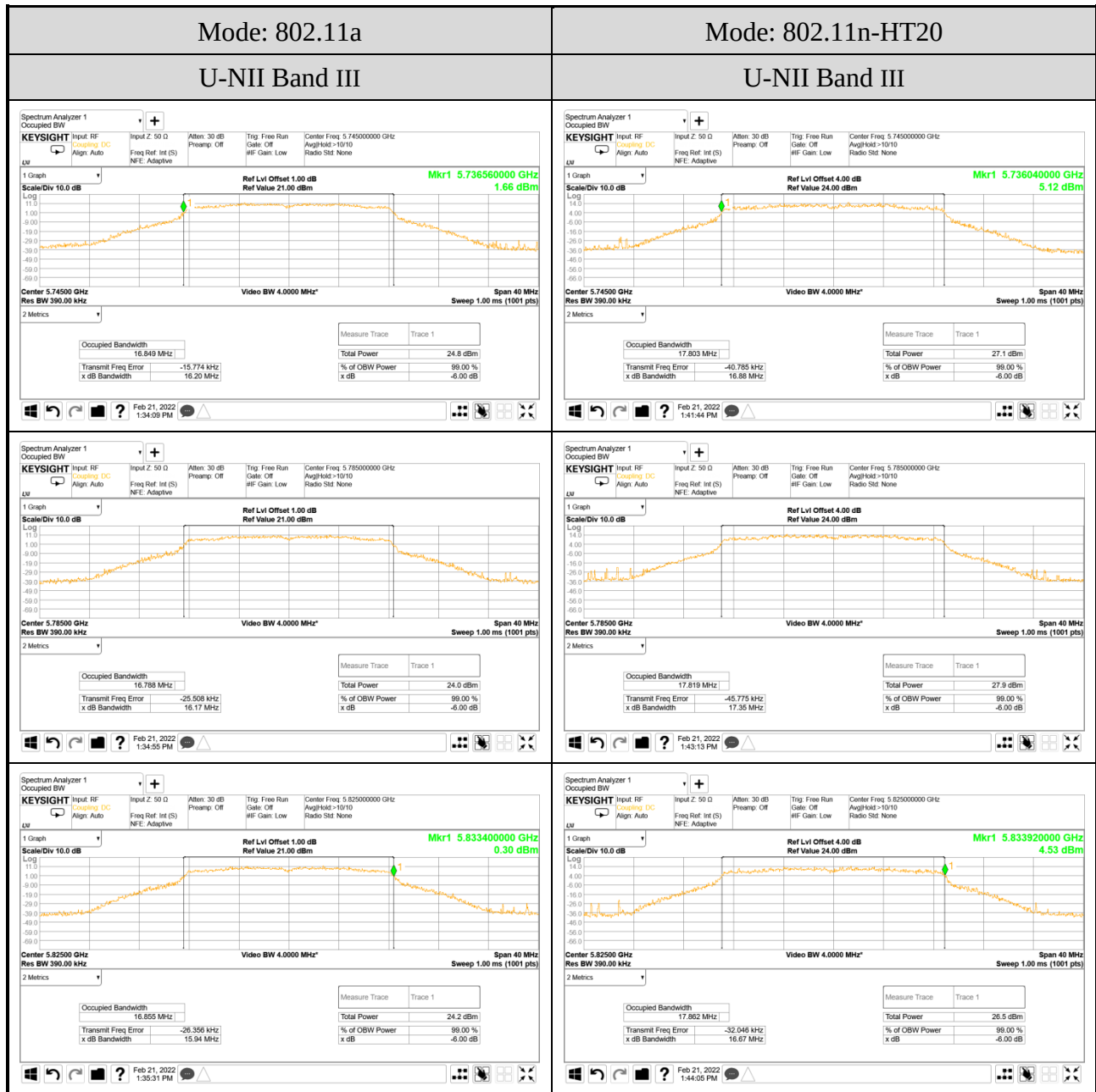
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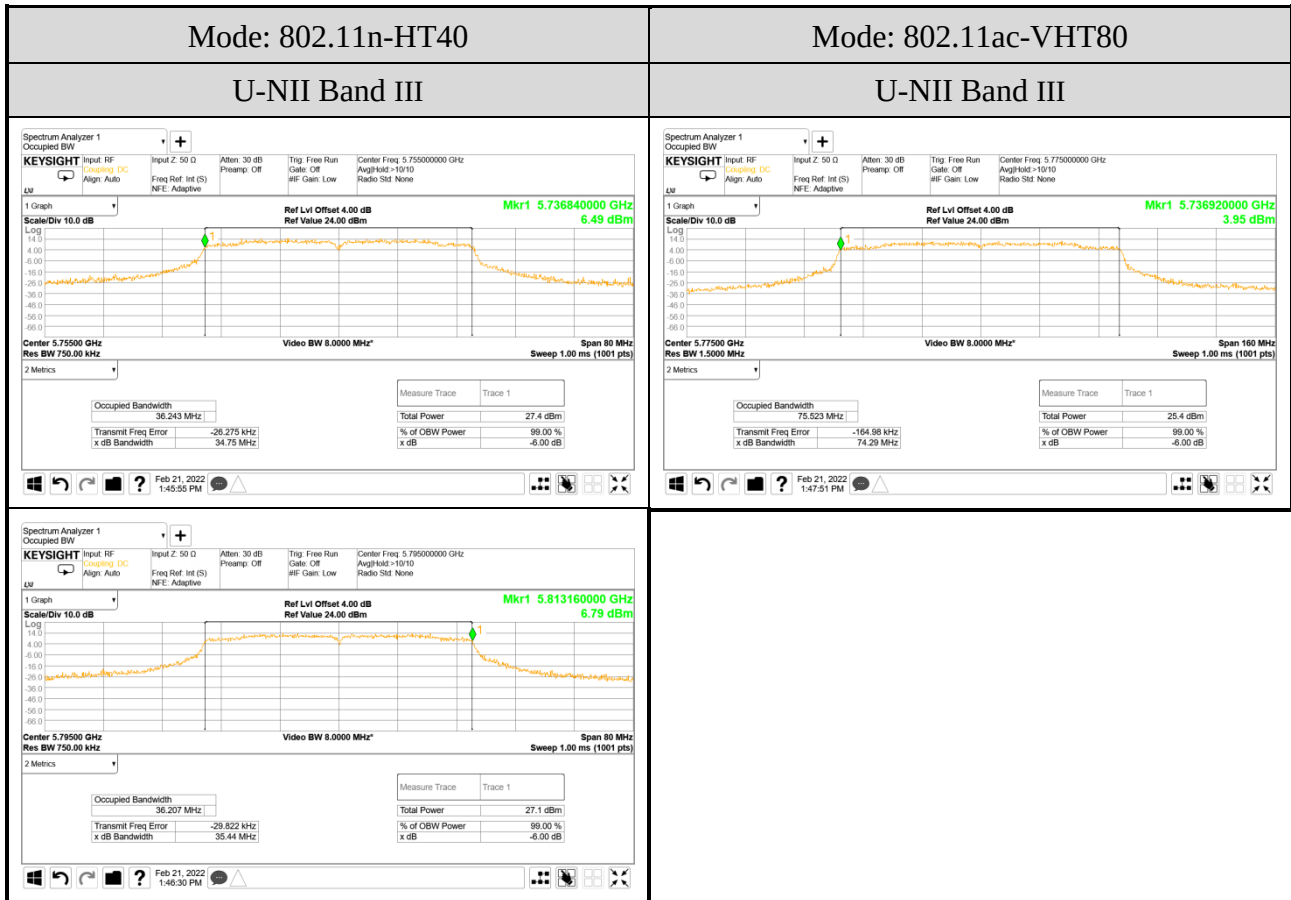
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● For Occupied (99%) Bandwidth



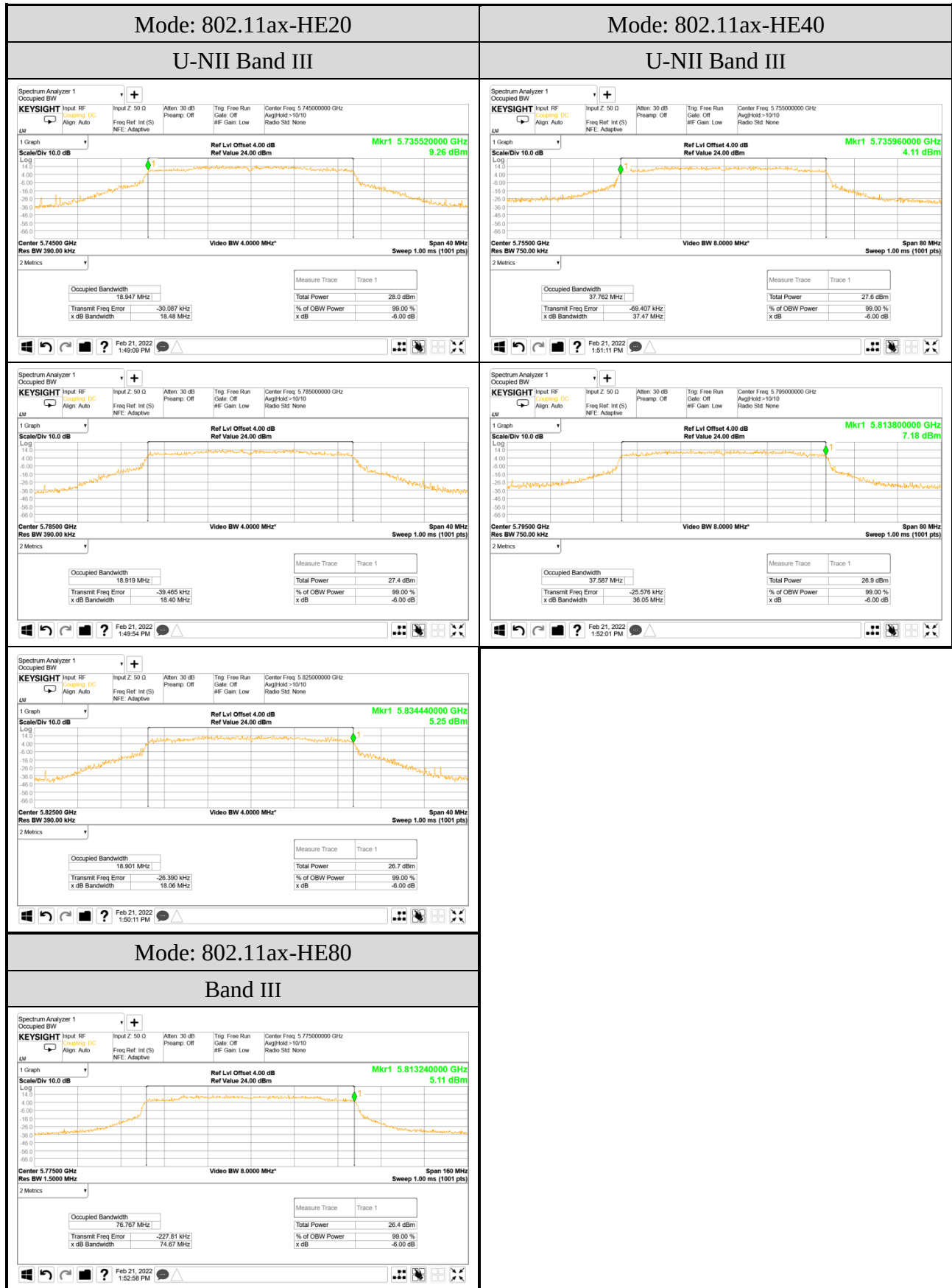
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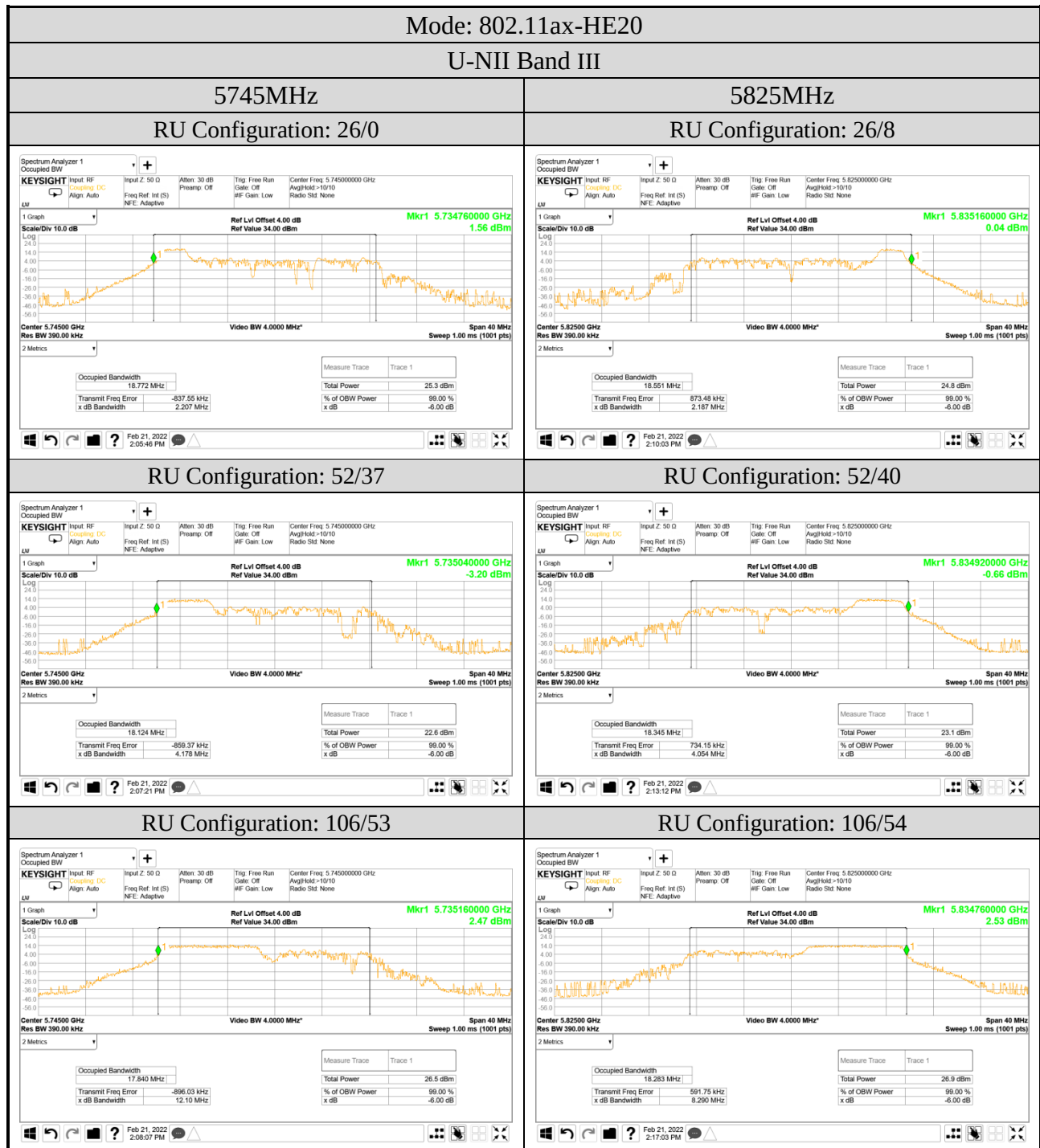
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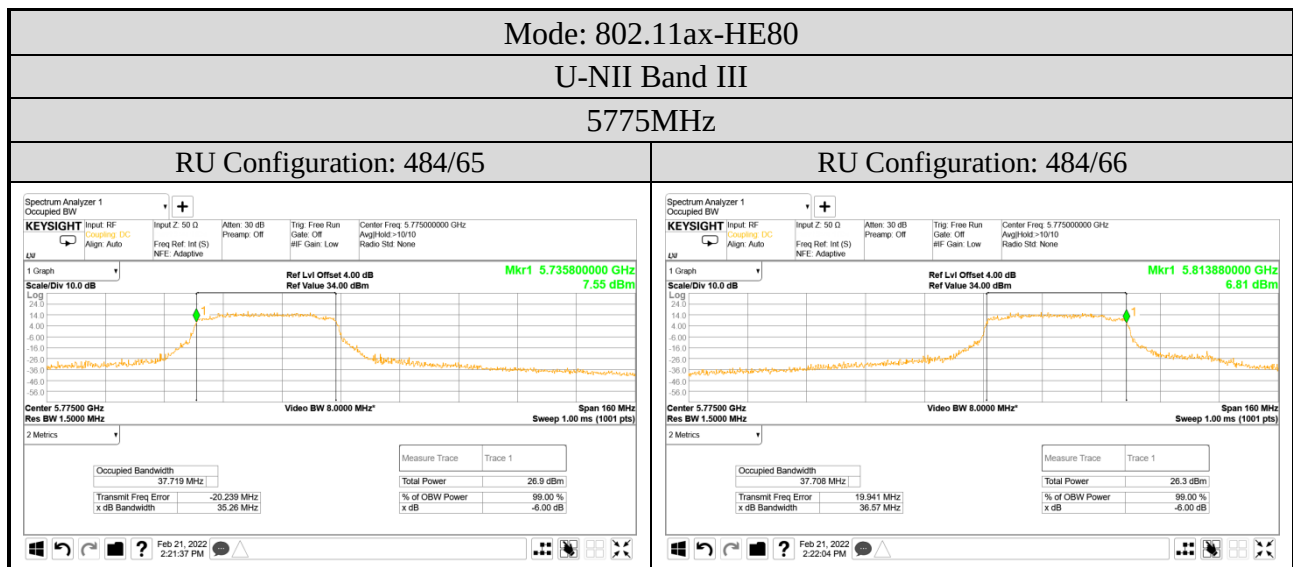
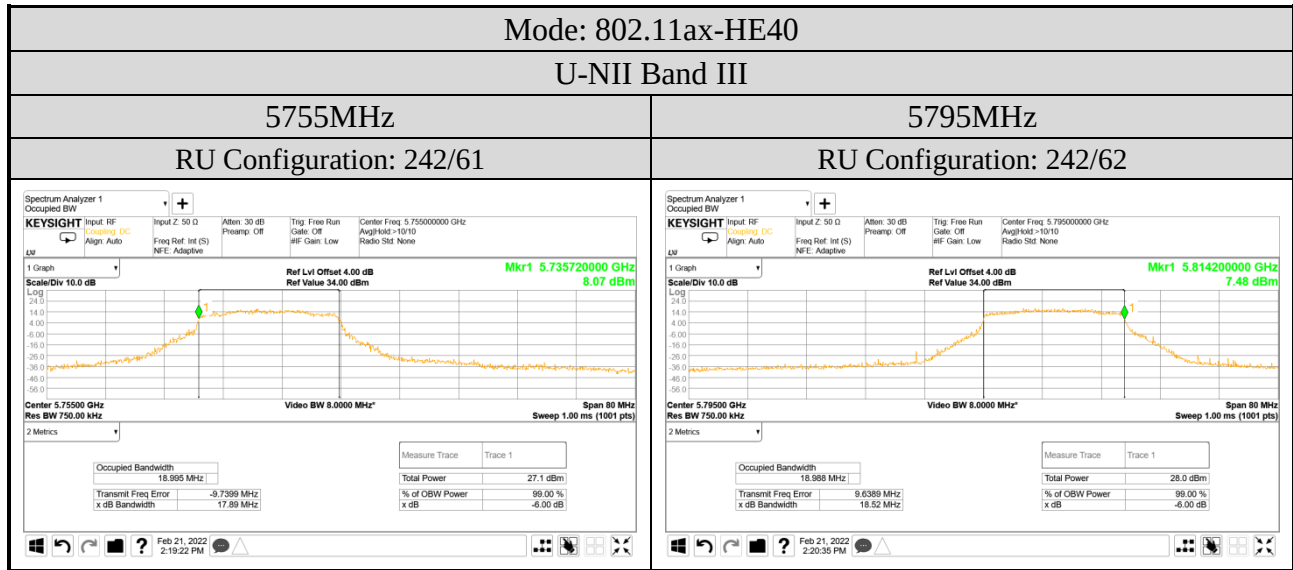
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A.4 MAXIMUM OUTPUT POWER

Test Date	2021/12/27 ~ 2022/01/05, 2022/01/26 ~ 02/22	Temp./Hum.	14 ~ 22°C/61 ~ 70%, 22 ~ 17°C/69 ~ 72%
Cable Loss	1.0dB	Tested By	Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Average Output Power

● SPOT CHECK Power

Mode	U-NII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Max Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11a	I	5180	16.48	16.86	N/A	16.86	0.049	< 250 mW (24 dBm)
		5200	16.56	16.82		16.82	0.048	
		5240	16.60	16.73		16.73	0.047	
	2A	5260	16.66	16.86		16.86	0.049	
		5300	16.64	16.87		16.87	0.049	
		5320	16.58	16.85		16.85	0.048	
	2C	5500	16.55	16.97		16.97	0.050	
		5580	16.57	16.83		16.83	0.048	
		5700	16.63	16.72		16.72	0.047	
		5720	16.65	16.62		16.65	0.046	
	III	5745	16.52	16.82		16.82	0.048	< 1 W (30 dBm)
		5785	16.50	14.58		16.50	0.045	
		5825	16.51	16.72		16.72	0.047	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results.

Mode	U-NII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11n-HT20	I	5180	16.47	16.88	N/A	19.69	0.093	< 250 mW (24 dBm)
		5200	16.25	16.90		19.60	0.091	
		5240	16.30	16.64		19.48	0.089	
	2A	5260	16.31	16.50		19.42	0.087	
		5300	16.36	16.61		19.50	0.089	
		5320	16.18	16.65		19.43	0.088	
	2C	5500	16.57	16.65		19.62	0.092	< 1 W (30 dBm)
		5580	16.29	16.39		19.35	0.086	
		5700	12.66	12.34		15.51	0.036	
		5720	16.41	16.59		19.51	0.089	
	III	5745	16.30	16.74		19.54	0.090	
		5785	16.33	16.89		19.63	0.092	
		5825	16.37	16.71		19.55	0.090	
802.11n-HT40	I	5190	15.02	15.12	N/A	18.08	0.064	< 250 mW (24 dBm)
		5230	16.78	16.86		19.83	0.096	
	2A	5270	16.81	17.60		20.23	0.105	
		5310	14.86	15.58		18.25	0.067	
	2C	5510	14.95	15.02		18.00	0.063	
		5550	16.91	16.93		19.93	0.098	
		5670	17.13	16.79		19.97	0.099	< 1 W (30 dBm)
	III	5710	16.97	16.82		19.91	0.098	
		5755	17.15	17.40		20.29	0.107	
		5795	16.14	17.23		19.73	0.094	
802.11ac-VHT80	I	5210	13.80	14.25	N/A	17.04	0.051	< 250 mW (24 dBm)
	2A	5290	14.48	14.50		17.50	0.056	
		5530	13.96	13.36		16.68	0.047	
	2C	5610	16.23	15.83		19.04	0.080	
		5690	16.09	15.83		18.97	0.079	
	III	5775	16.09	16.35		19.23	0.084	< 1 W (30 dBm)
802.11ac-VHT160	I/ 2A	5250	10.82	10.91	N/A	13.88	0.024	< 250 mW (24 dBm)
	2C	5570	13.20	13.12		16.17	0.041	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results.

Mode	U-NII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11ax-HE20	I	5180	16.41	17.07	N/A	19.76	0.095	< 250 mW (24 dBm)
		5200	16.51	16.56		19.55	0.090	
		5240	16.53	16.42		19.49	0.089	
	2A	5260	16.44	16.50		19.48	0.089	
		5300	16.48	16.62		19.56	0.090	
		5320	16.47	16.63		19.56	0.090	
	2C	5500	16.64	16.66		19.66	0.092	< 1 W (30 dBm)
		5580	16.43	16.71		19.58	0.091	
		5700	15.59	15.51		18.56	0.072	
		5720	16.56	16.72		19.65	0.092	
	III	5745	16.49	16.65		19.58	0.091	
		5785	16.47	16.68		19.59	0.091	
		5825	16.40	16.63		19.53	0.090	
802.11ax-HE40	I	5190	14.81	14.87	N/A	17.85	0.061	< 250 mW (24 dBm)
		5230	16.51	16.49		19.51	0.089	
	2A	5270	16.62	16.66		19.65	0.092	
		5310	14.64	14.64		17.65	0.058	
	2C	5510	14.84	15.03		17.95	0.062	
		5550	16.56	16.83		19.71	0.094	
		5670	16.85	16.55		19.71	0.094	< 1 W (30 dBm)
	III	5710	16.69	16.67		19.69	0.093	
		5755	16.60	16.70		19.66	0.092	
		5795	16.53	16.75		19.65	0.092	
802.11ax-HE80	I	5210	13.32	13.01	N/A	16.18	0.041	< 250 mW (24 dBm)
	2A	5290	13.75	14.17		16.98	0.050	
	2C	5530	14.01	14.09		17.06	0.051	
		5610	15.53	15.51		18.53	0.071	
	III	5690	15.65	15.79		18.73	0.075	< 1 W (30 dBm)
		5775	15.60	16.02		18.83	0.076	
802.11ax-HE160	I/ 2A	5250	10.20	10.68	N/A	13.46	0.022	< 250 mW (24 dBm)
	2C	5570	13.44	12.95		16.21	0.042	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results.

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Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
				Chain 0	Chain 1		(dBm)	(W)	
802.11ax-HE20	I	5180	26/0	9.49	9.87	N/A	12.69	0.019	< 250 mW (24 dBm)
			52/37	12.97	13.25		16.12	0.041	
			106/53	15.45	15.60		18.54	0.071	
	2A	5320	26/8	10.11	9.92		13.03	0.020	
			52/40	13.13	12.89		16.02	0.040	
			106/54	15.52	15.32		18.43	0.070	
	2C	5500	26/0	9.78	9.56		12.68	0.019	
			52/37	13.02	13.08		16.06	0.040	
			106/53	14.91	15.13		18.03	0.064	
		5700	26/8	9.98	9.41		12.71	0.019	
			52/40	13.14	12.98		16.07	0.040	
			106/54	15.57	15.63		18.61	0.073	
	III	5745	26/0	15.39	15.58		18.50	0.071	< 1 W (30 dBm)
			52/37	12.98	12.77		15.89	0.039	
			106/53	17.11	14.05		18.85	0.077	
		5825	26/8	15.42	15.65		18.55	0.072	
			52/40	13.16	12.97		16.08	0.041	
			106/54	17.03	17.15		20.10	0.102	
802.11ax-HE40	I	5190	242/61	16.81	17.12	N/A	19.98	0.100	< 250 mW (24 dBm)
	2A	5310	242/62	16.10	15.97		19.05	0.080	
	2C	5510	242/61	16.56	16.68		19.63	0.092	
		5670	242/62	16.84	16.92		19.89	0.097	< 1 W (30 dBm)
	III	5755	242/61	16.25	16.91		19.60	0.091	
		5795	242/62	16.69	16.72		19.72	0.094	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results.

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Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
				Chain 0	Chain 1		(dBm)	(W)	
802.11ax-HE80	I	5210	484/65	15.32	15.64	N/A	18.49	0.071	< 250 mW (24 dBm)
	2A	5290	484/66	11.46	11.80		14.64	0.029	
	2C	5530	484/65	13.69	13.91		16.81	0.048	
		5610	484/66	16.62	16.92		19.78	0.095	
	III	5775	484/65	16.25	16.75		19.52	0.090	< 1 W (30 dBm)
			484/66	16.56	16.72		19.65	0.092	
802.11ax-HE160	I/ 2A	5250	996/67	13.04	13.76	N/A	16.43	0.044	< 250 mW (24 dBm)
			996/S67	11.45	11.44		14.46	0.028	
	2C	5570	996/67	13.15	13.59		16.39	0.044	
			996/S67	15.42	15.35		18.40	0.069	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-16Z90Q. We did spot check for output power and all output power values keep identical thus we reuse all results.

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● **FCC ID: BEJNT-16Z90Q Power**

Mode	U-NII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Max Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11a	I	5180	17.01	17.18	N/A	17.18	0.052	< 250 mW (24 dBm)
		5200	16.89	17.12		17.12	0.052	
		5240	16.97	17.18		17.18	0.052	
	2A	5260	16.97	17.17		17.17	0.052	
		5300	16.99	17.24		17.24	0.053	
		5320	16.87	17.05		17.05	0.051	
	2C	5500	17.04	17.06		17.06	0.051	
		5580	16.89	17.05		17.05	0.051	
		5700	17.02	17.02		17.02	0.050	
		5720	16.95	17.12		17.12	0.052	
	III	5745	16.85	17.23		17.23	0.053	< 1 W (30 dBm)
		5785	16.86	14.14		16.86	0.049	
		5825	16.88	17.16		17.16	0.052	

Note: The results have been included cable loss.

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Mode	U-NII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11n-HT20	I	5180	16.82	16.85	N/A	19.85	0.097	< 250 mW (24 dBm)
		5200	16.67	16.77		19.73	0.094	
		5240	16.80	16.67		19.75	0.094	
	2A	5260	16.66	16.64		19.66	0.092	
		5300	16.83	16.72		19.79	0.095	
		5320	16.62	16.75		19.70	0.093	
	2C	5500	16.86	16.85		19.87	0.097	
		5580	16.72	16.80		19.77	0.095	
		5700	12.66	12.38		15.53	0.036	
		5720	16.81	16.93		19.88	0.097	
	III	5745	16.64	16.91		19.79	0.095	< 1 W (30 dBm)
		5785	16.66	16.92		19.80	0.095	
		5825	16.76	16.83		19.81	0.096	
802.11n-HT40	I	5190	15.45	15.52	N/A	18.50	0.071	< 250 mW (24 dBm)
		5230	17.28	17.14		20.22	0.105	
	2A	5270	17.16	17.23		20.21	0.105	
		5310	15.21	15.30		18.27	0.067	
	2C	5510	15.30	15.24		18.28	0.067	
		5550	17.27	17.13		20.21	0.105	
		5670	17.43	17.19		20.32	0.108	
		5710	17.26	17.17		20.23	0.105	
	III	5755	17.11	17.44		20.29	0.107	< 1 W (30 dBm)
		5795	17.16	17.36		20.27	0.106	
802.11ac-VHT80	I	5210	13.71	13.79	N/A	16.76	0.047	< 250 mW (24 dBm)
	2A	5290	14.07	14.07		17.08	0.051	
	2C	5530	13.63	13.68		16.67	0.046	
		5610	16.07	16.11		19.10	0.081	
		5690	15.90	15.96		18.94	0.078	
	III	5775	16.54	16.76		19.66	0.092	< 1 W (30 dBm)
802.11ac-VHT160	I/ 2A	5250	10.48	10.39	N/A	13.45	0.022	< 250 mW (24 dBm)
	2C	5570	12.98	13.06		16.03	0.040	

Note: The results have been included cable loss.

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			Chain 0	Chain 1		(dBm)	(W)	
802.11ax-HE20	I	5180	16.87	17.04	N/A	19.97	0.099	< 250 mW (24 dBm)
		5200	16.83	16.87		19.86	0.097	
		5240	16.89	16.72		19.82	0.096	
	2A	5260	16.82	16.79		19.82	0.096	
		5300	16.89	16.92		19.92	0.098	
		5320	16.82	16.72		19.78	0.095	
	2C	5500	16.91	16.86		19.90	0.098	< 1 W (30 dBm)
		5580	16.81	16.79		19.81	0.096	
		5700	15.35	15.24		18.31	0.068	
		5720	16.87	16.98		19.94	0.099	
	III	5745	16.76	17.06		19.92	0.098	
		5785	16.84	17.00		19.93	0.098	
		5825	16.87	16.96		19.93	0.098	
802.11ax-HE40	I	5190	15.19	15.32	N/A	18.27	0.067	< 250 mW (24 dBm)
		5230	16.95	16.79		19.88	0.097	
	2A	5270	16.95	16.91		19.94	0.099	
		5310	15.06	15.01		18.05	0.064	
	2C	5510	14.86	14.91		17.90	0.062	
		5550	16.93	16.91		19.93	0.098	
		5670	17.11	16.98		20.06	0.101	< 1 W (30 dBm)
		5710	17.06	16.91		20.00	0.100	
	III	5755	16.87	17.14		20.02	0.100	
		5795	16.97	17.09		20.04	0.101	
802.11ax-HE80	I	5210	13.20	13.25	N/A	16.24	0.042	< 250 mW (24 dBm)
	2A	5290	13.99	13.98		17.00	0.050	
	2C	5530	14.11	14.19		17.16	0.052	
		5610	15.97	15.96		18.98	0.079	
		5690	16.09	16.11		19.11	0.081	< 1 W (30 dBm)
	III	5775	15.92	16.19		19.07	0.081	
802.11ax-HE160	I/ 2A	5250	10.37	10.31	N/A	13.35	0.022	< 250 mW (24 dBm)
	2C	5570	13.02	13.17		16.11	0.041	

Note: The results have been included cable loss.

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				Chain 0	Chain 1		(dBm)	(W)	
802.11ax-HE20	I	5180	26/0	9.58	9.59	N/A	12.60	0.018	< 250 mW (24 dBm)
			52/37	12.80	13.03		15.93	0.039	
			106/53	15.63	15.78		18.72	0.074	
	2A	5320	26/8	9.97	9.56		12.78	0.019	
			52/40	13.15	12.98		16.08	0.041	
			106/54	15.29	15.35		18.33	0.068	
	2C	5500	26/0	9.56	9.42		12.50	0.018	
			52/37	12.82	12.80		15.82	0.038	
			106/53	14.87	14.90		17.90	0.062	
		5700	26/8	9.87	9.54		12.72	0.019	
			52/40	13.12	12.92		16.03	0.040	
			106/54	15.84	15.86		18.86	0.077	
	III	5745	26/0	15.26	15.51		18.40	0.069	< 1 W (30 dBm)
			52/37	12.87	12.95		15.92	0.039	
			106/53	17.18	14.48		19.05	0.080	
		5825	26/8	15.45	15.56		18.52	0.071	
			52/40	13.13	13.10		16.13	0.041	
			106/54	16.95	17.00		19.99	0.100	
802.11ax-HE40	I	5190	242/61	16.62	16.85	N/A	19.75	0.094	< 250 mW (24 dBm)
	2A	5310	242/62	15.75	15.92		18.85	0.077	
	2C	5510	242/61	16.79	16.85		19.83	0.096	
		5670	242/62	16.96	16.97		19.98	0.100	< 1 W (30 dBm)
	III	5755	242/61	16.67	17.04		19.87	0.097	
		5795	242/62	16.80	16.94		19.88	0.097	

Note: The results have been included cable loss.

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Mode	U-NII Band	Centre Frequency (MHz)	RU Configuration	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
				Chain 0	Chain 1		(dBm)	(W)	
802.11ax-HE80	I	5210	484/65	14.98	15.25	N/A	18.13	0.065	< 250 mW (24 dBm)
	2A	5290	484/66	12.22	11.97		15.11	0.032	
	2C	5530	484/65	14.14	14.19		17.18	0.052	
		5610	484/66	16.93	16.89		19.92	0.098	
	III	5775	484/65	16.72	16.98		19.86	0.097	< 1 W (30 dBm)
			484/66	16.86	17.10		19.99	0.100	
802.11ax-HE160	I/ 2A	5250	996/67	13.16	13.42	N/A	16.30	0.043	< 250 mW (24 dBm)
			996/S67	11.55	11.56		14.57	0.029	
	2C	5570	996/67	12.99	13.09		16.05	0.040	
			996/S67	15.73	15.79		18.77	0.075	

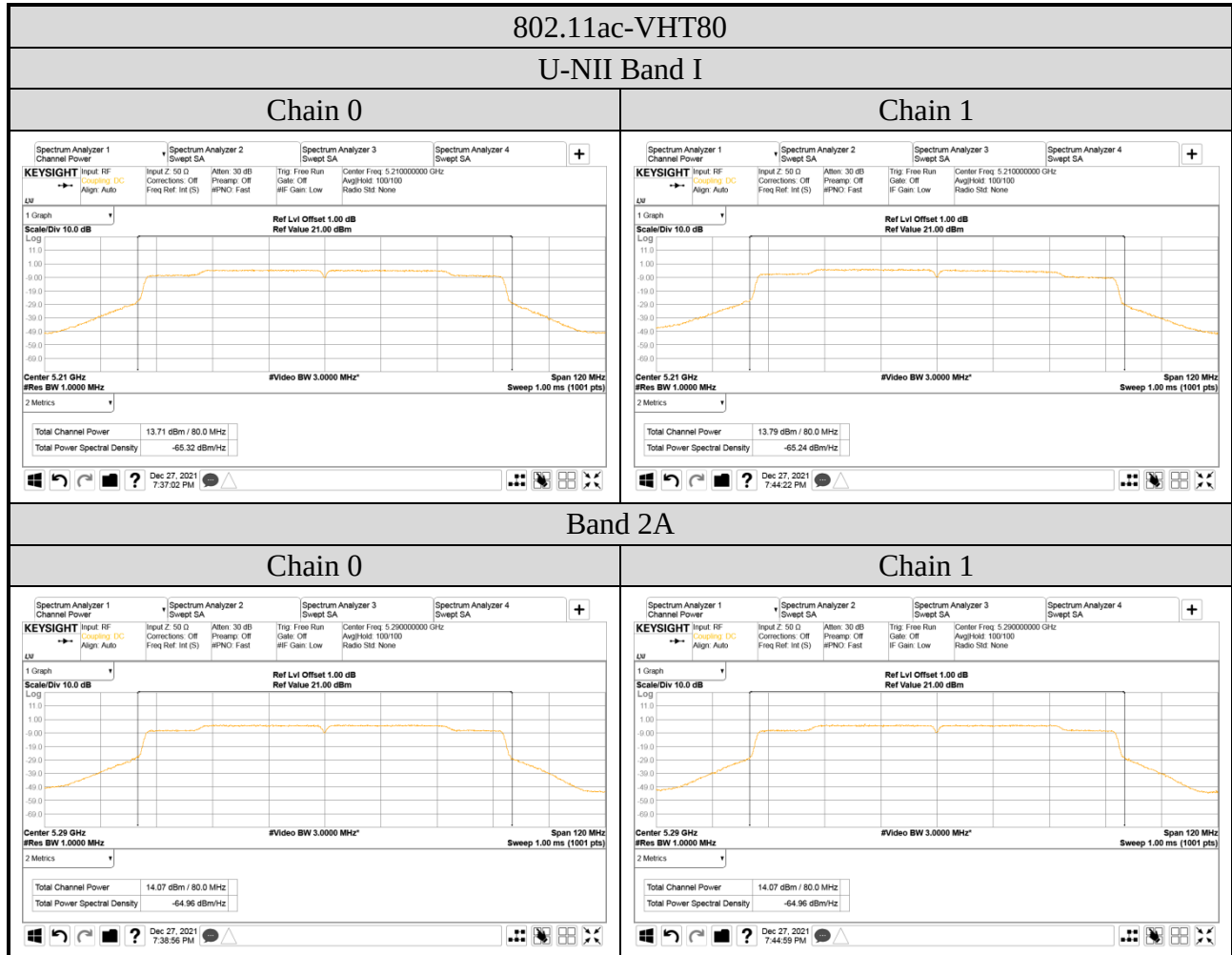
Note: The results have been included cable loss.

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A.4.2 Measurement Plots

● FCC ID: BEJNT-16Z90Q Power



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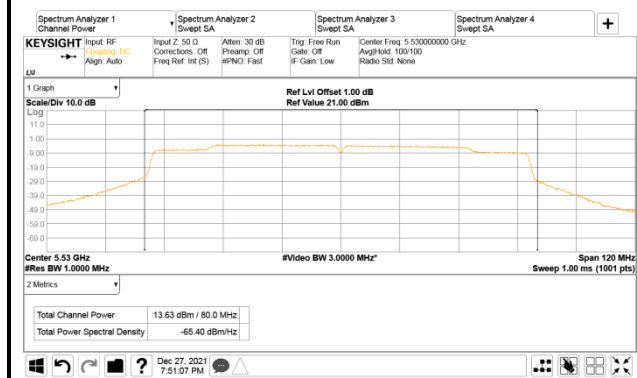
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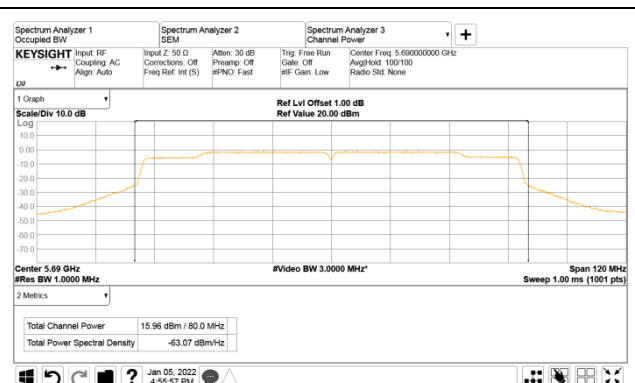
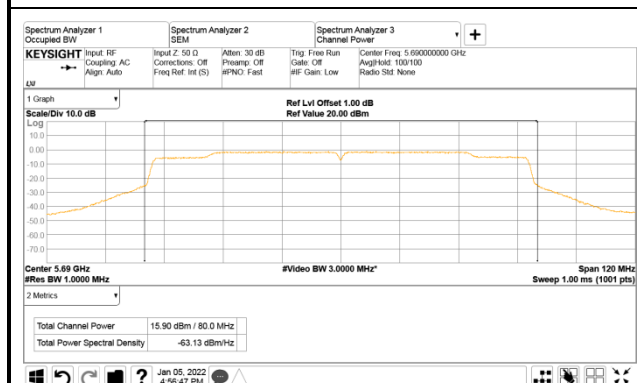
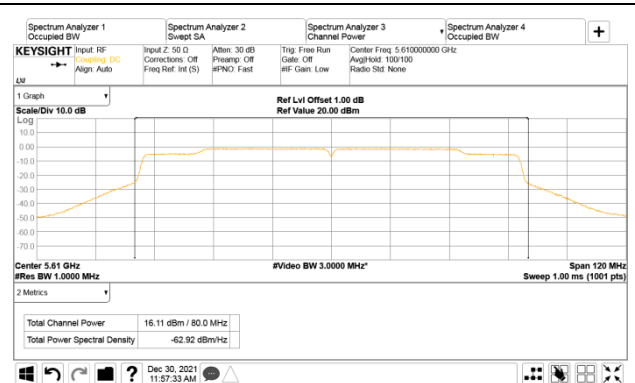
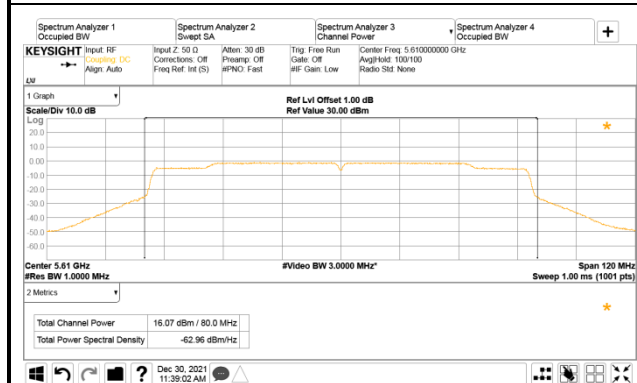
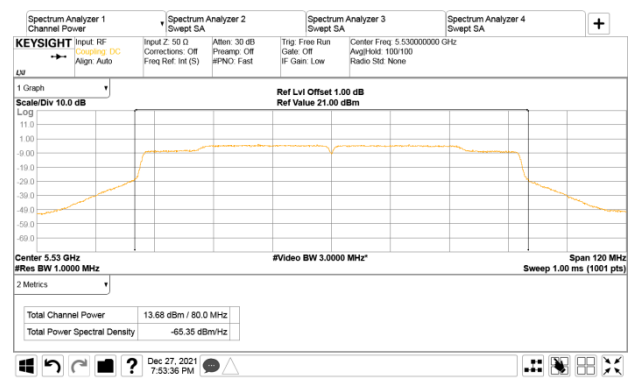
802.11ac-VHT80

U-NII Band 2C

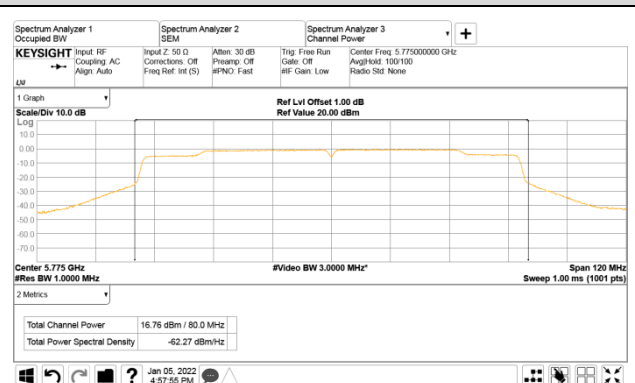
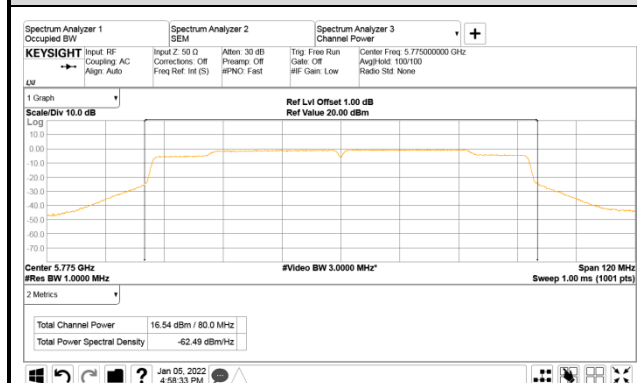
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Chain 1

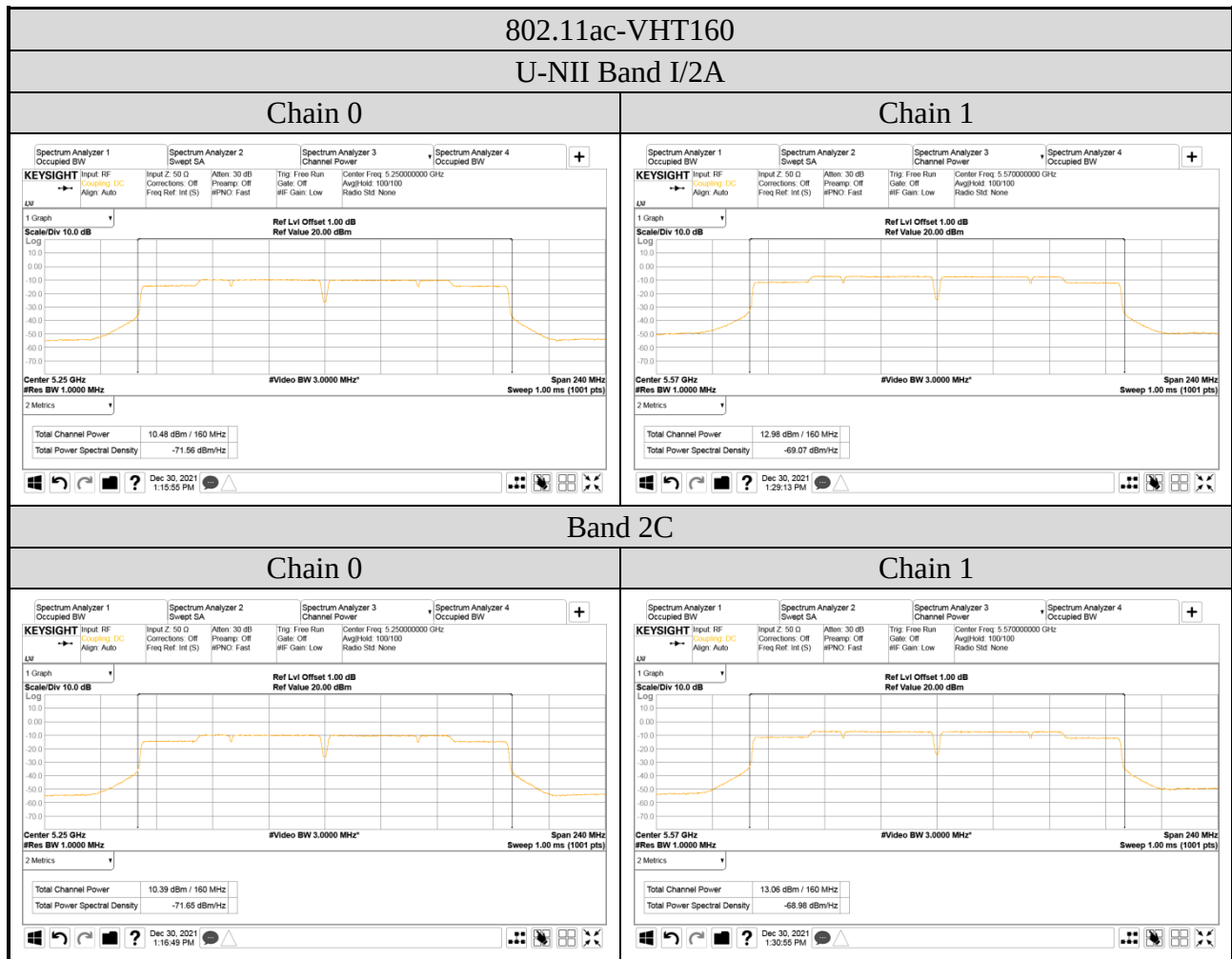


Band III



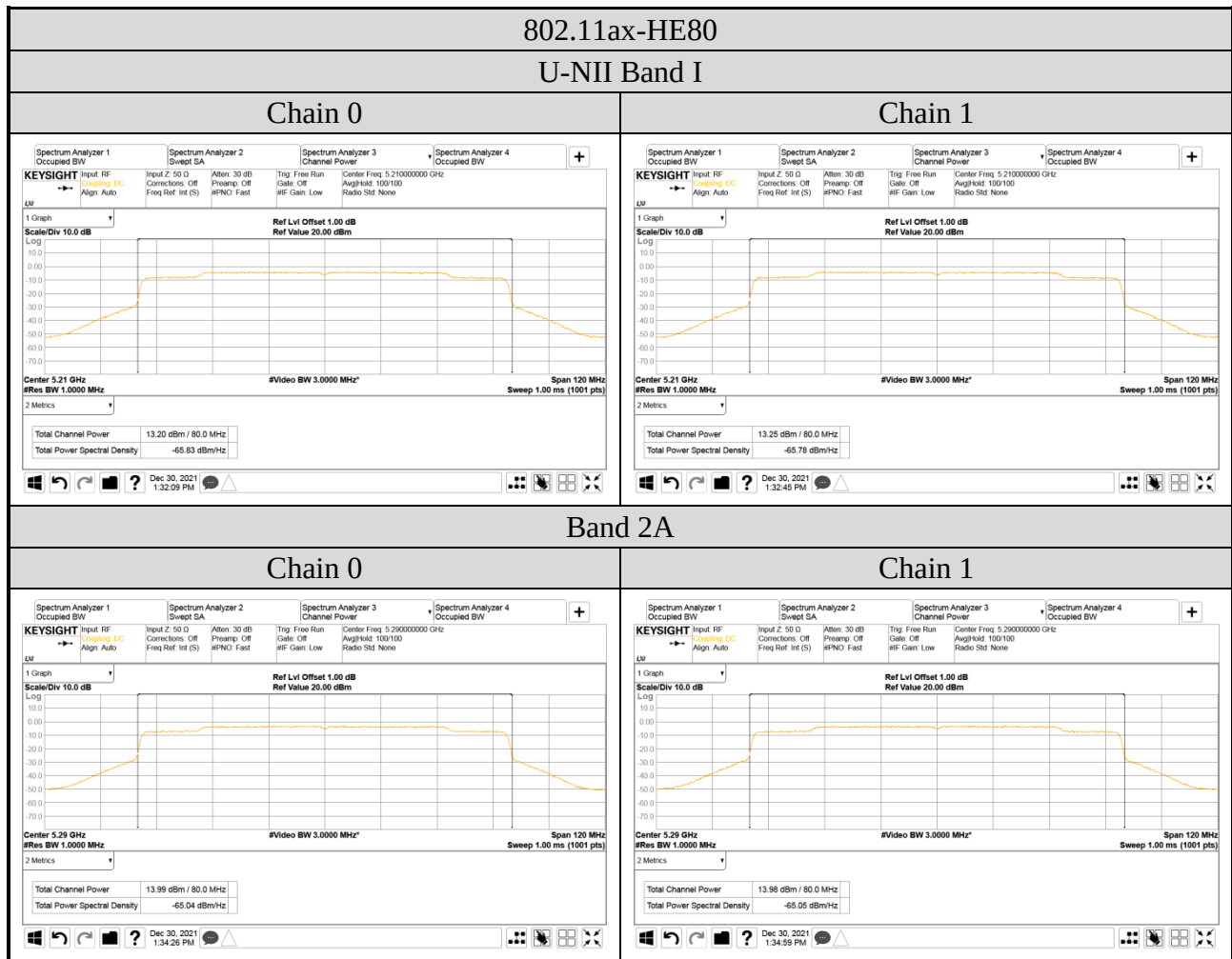
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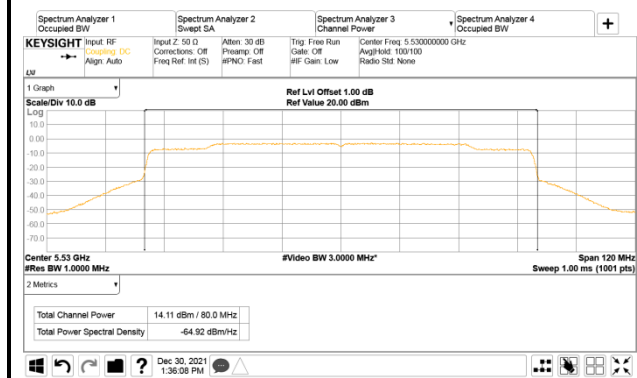
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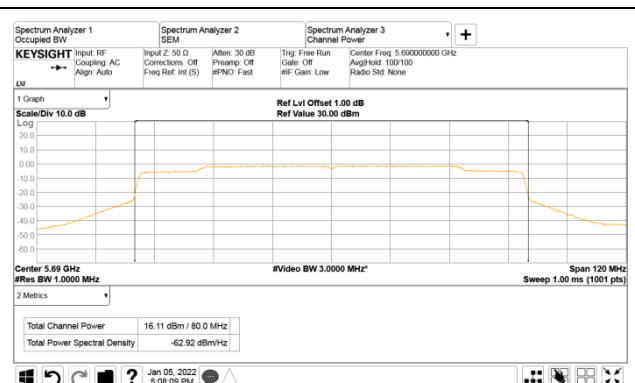
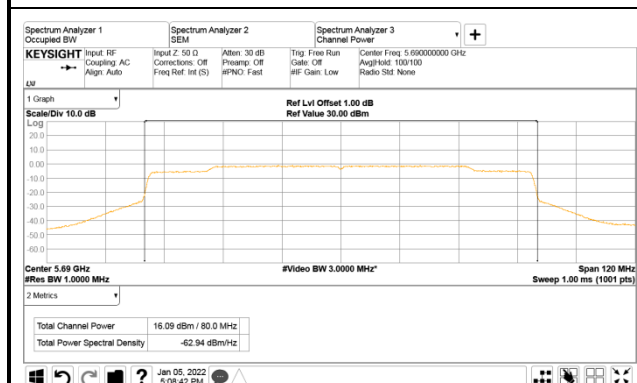
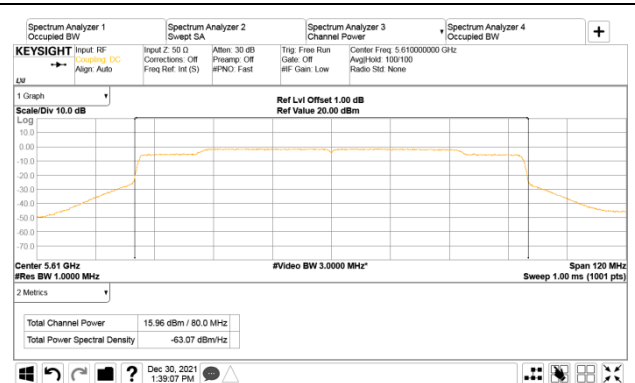
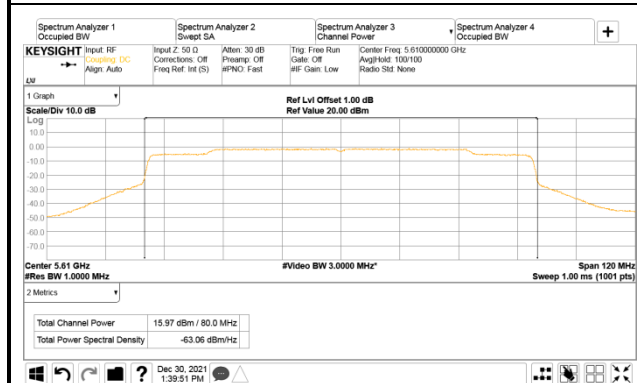
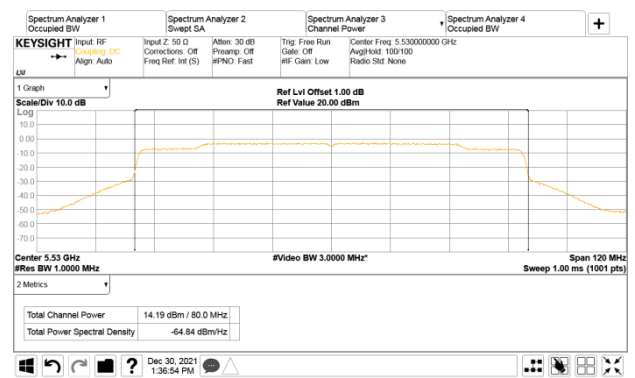
802.11ax-HE 80

U-NII Band 2C

Chain 0



Chain 1



U-NII Band III

