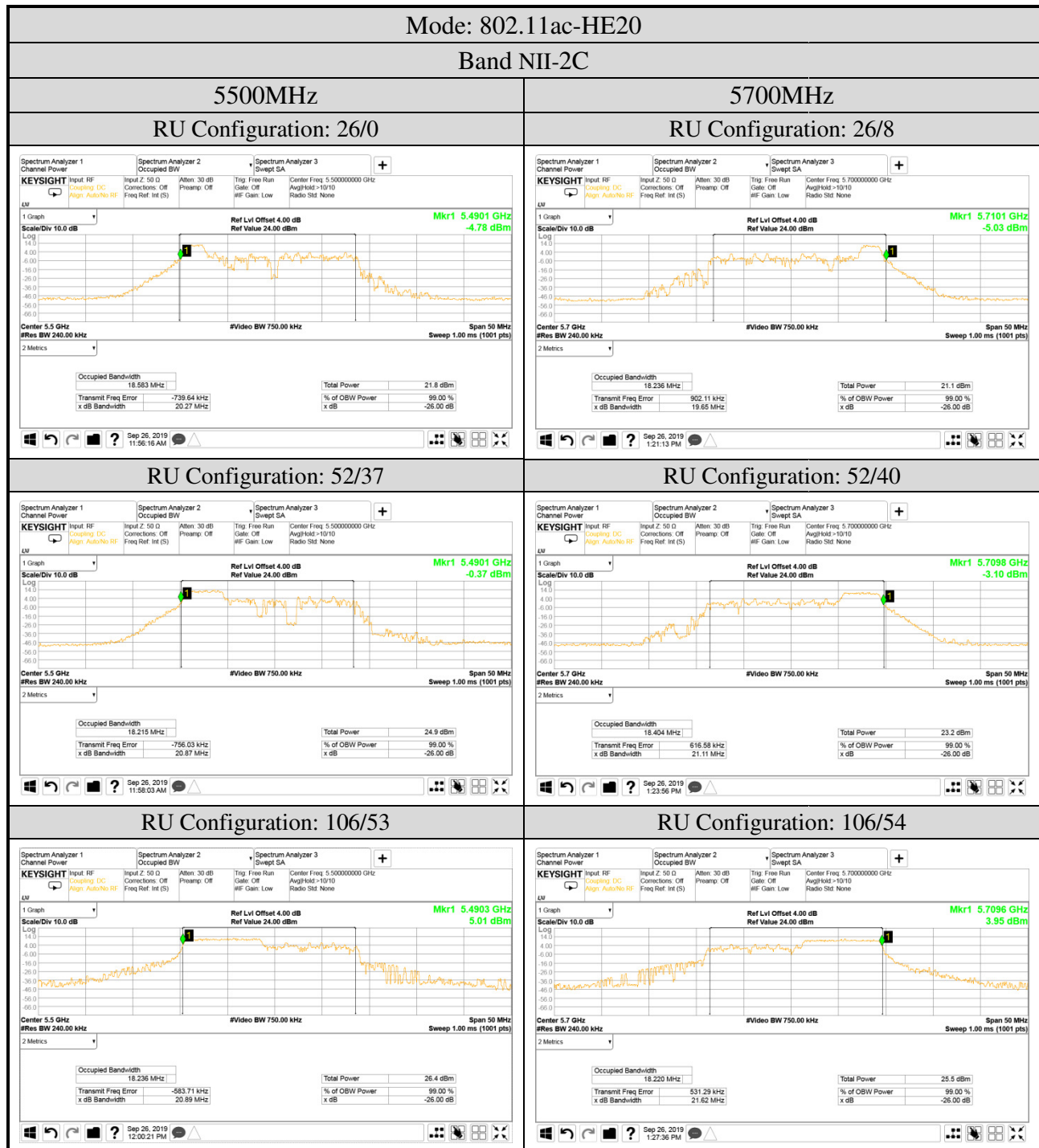
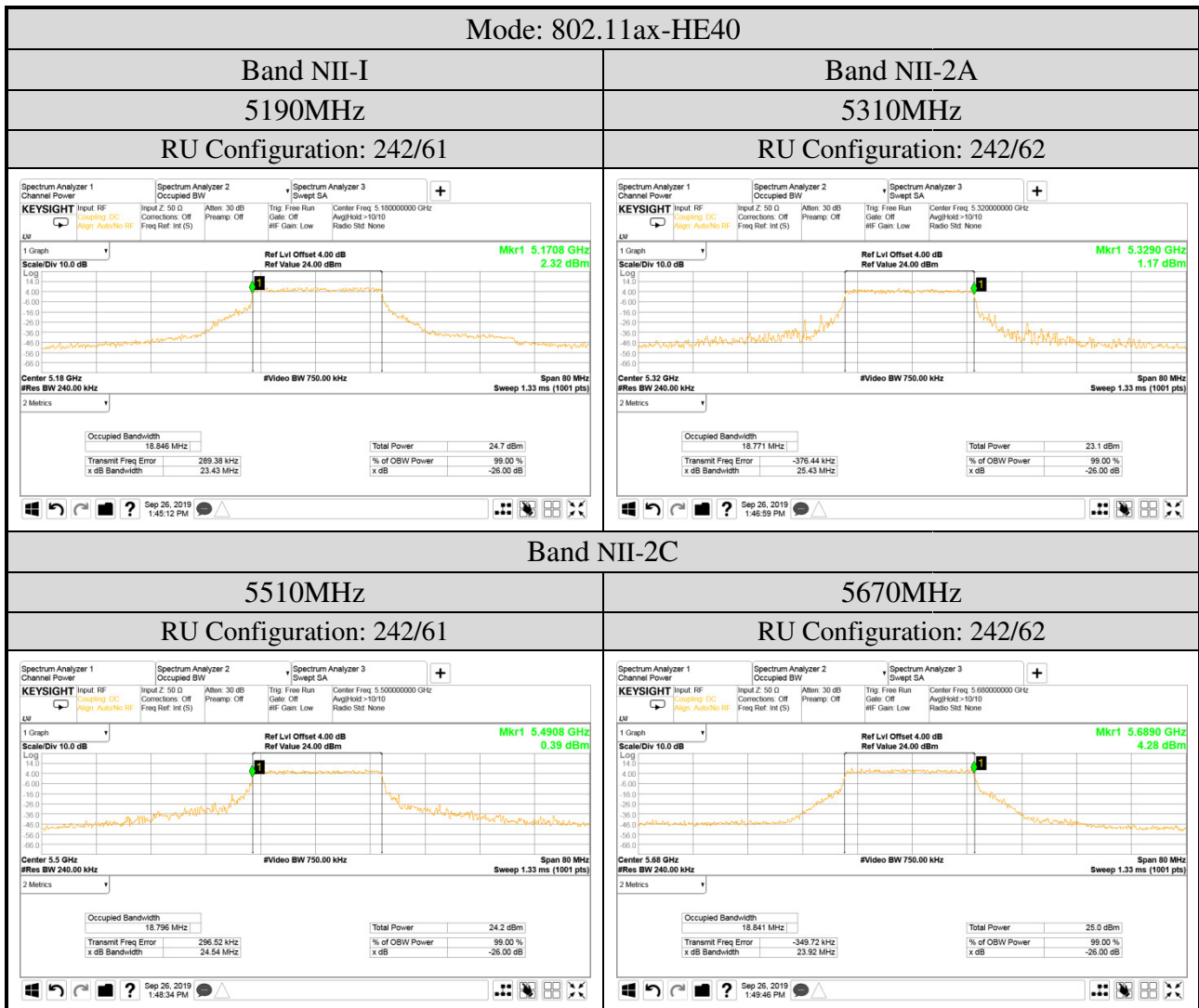




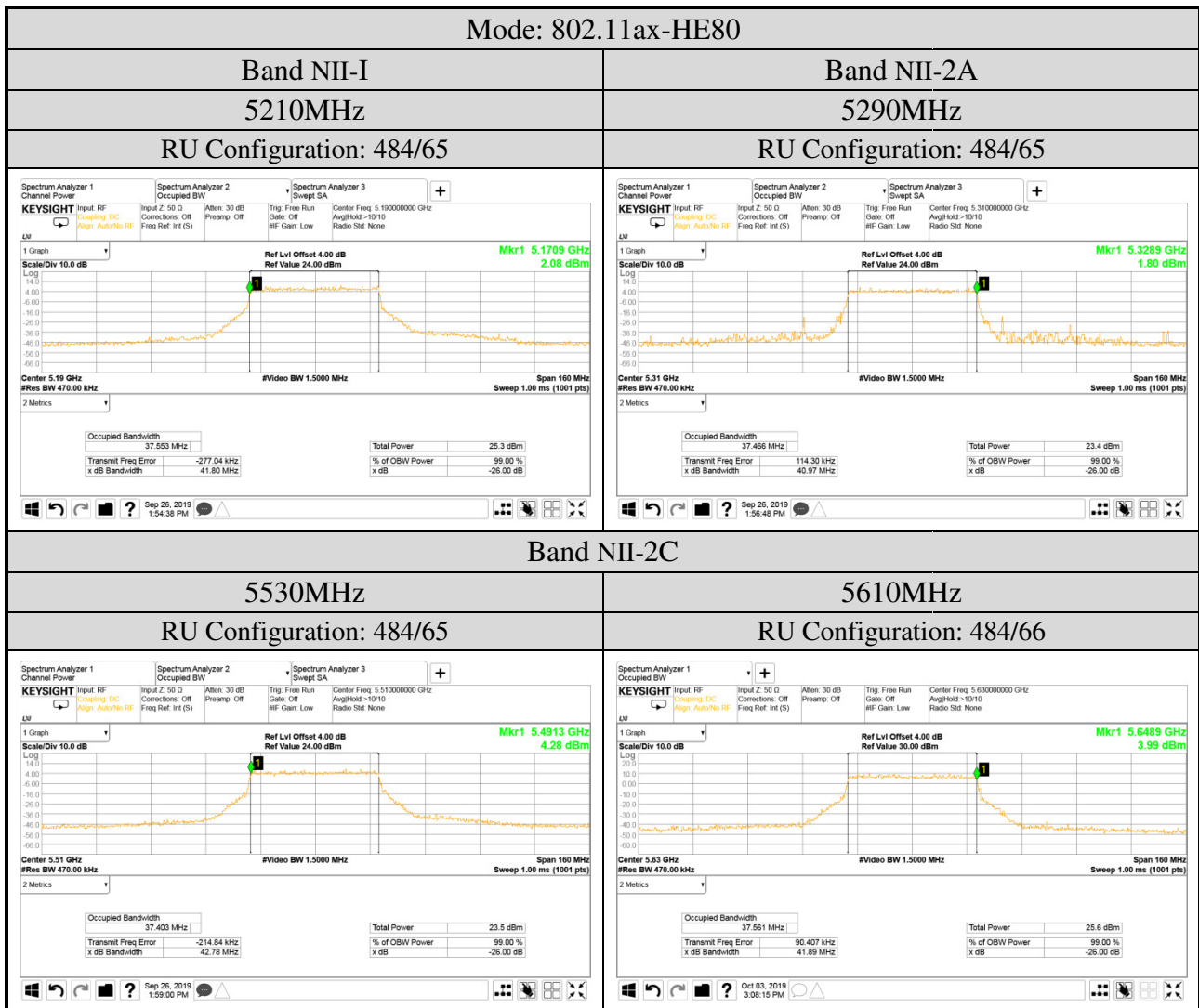
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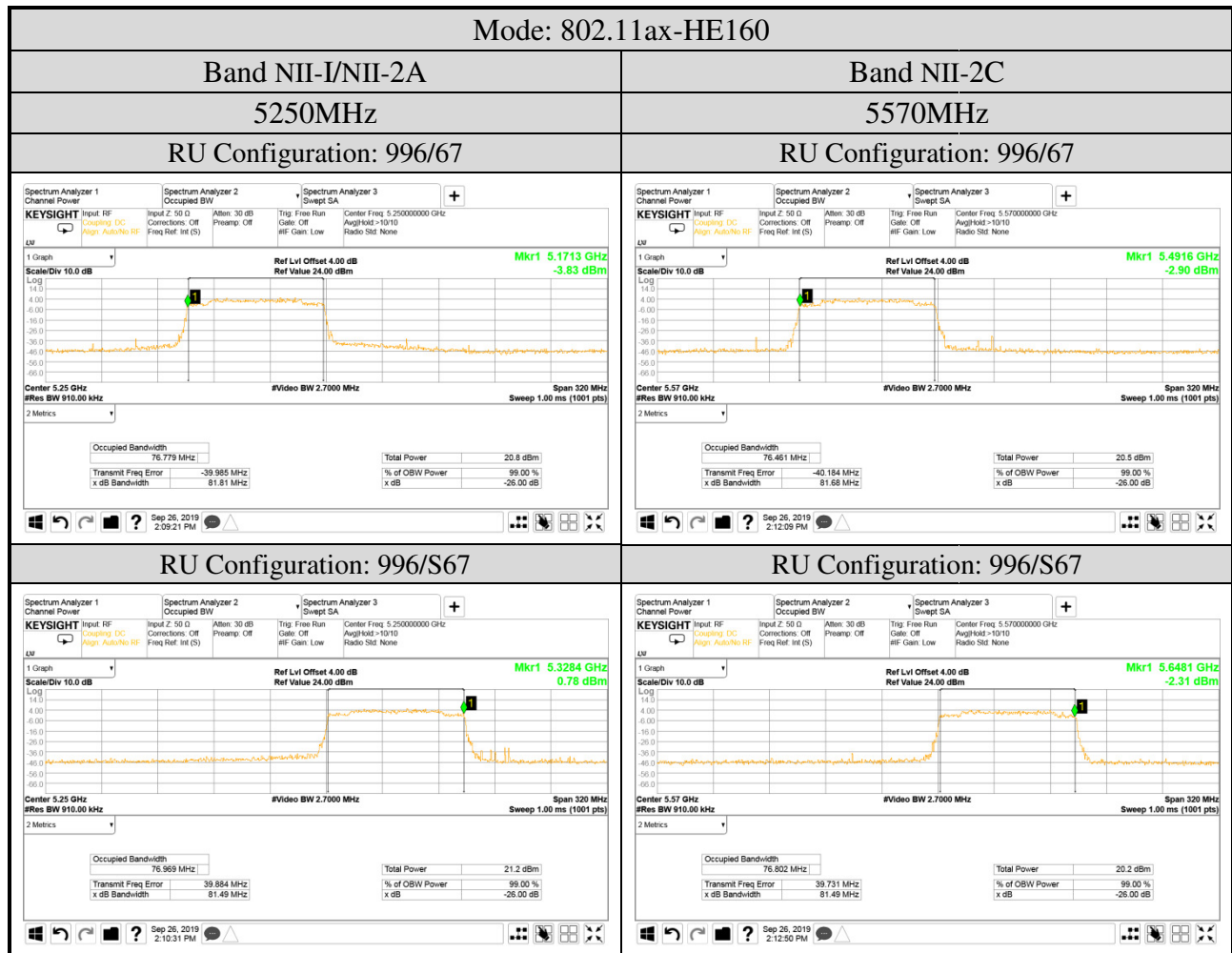
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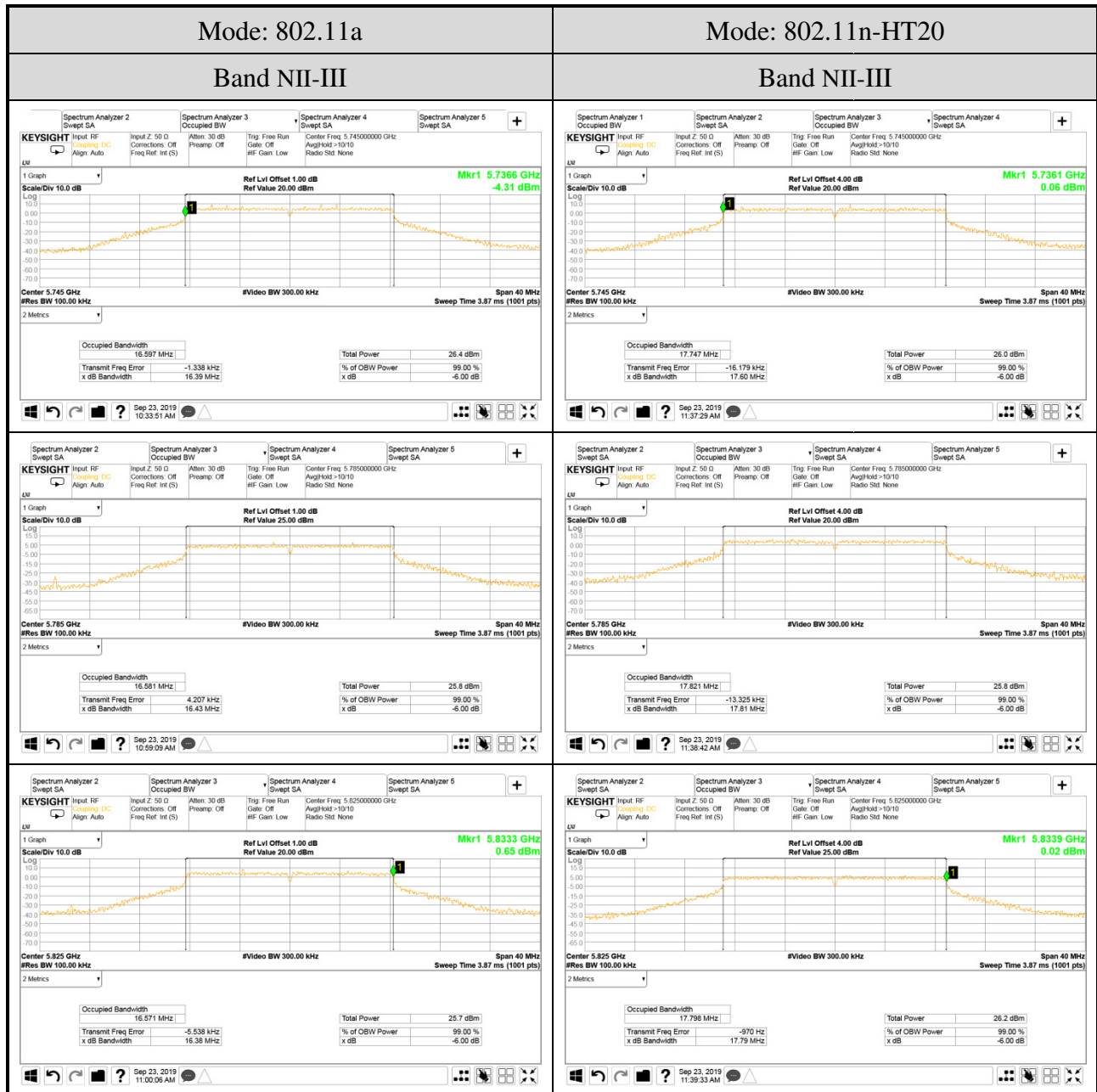


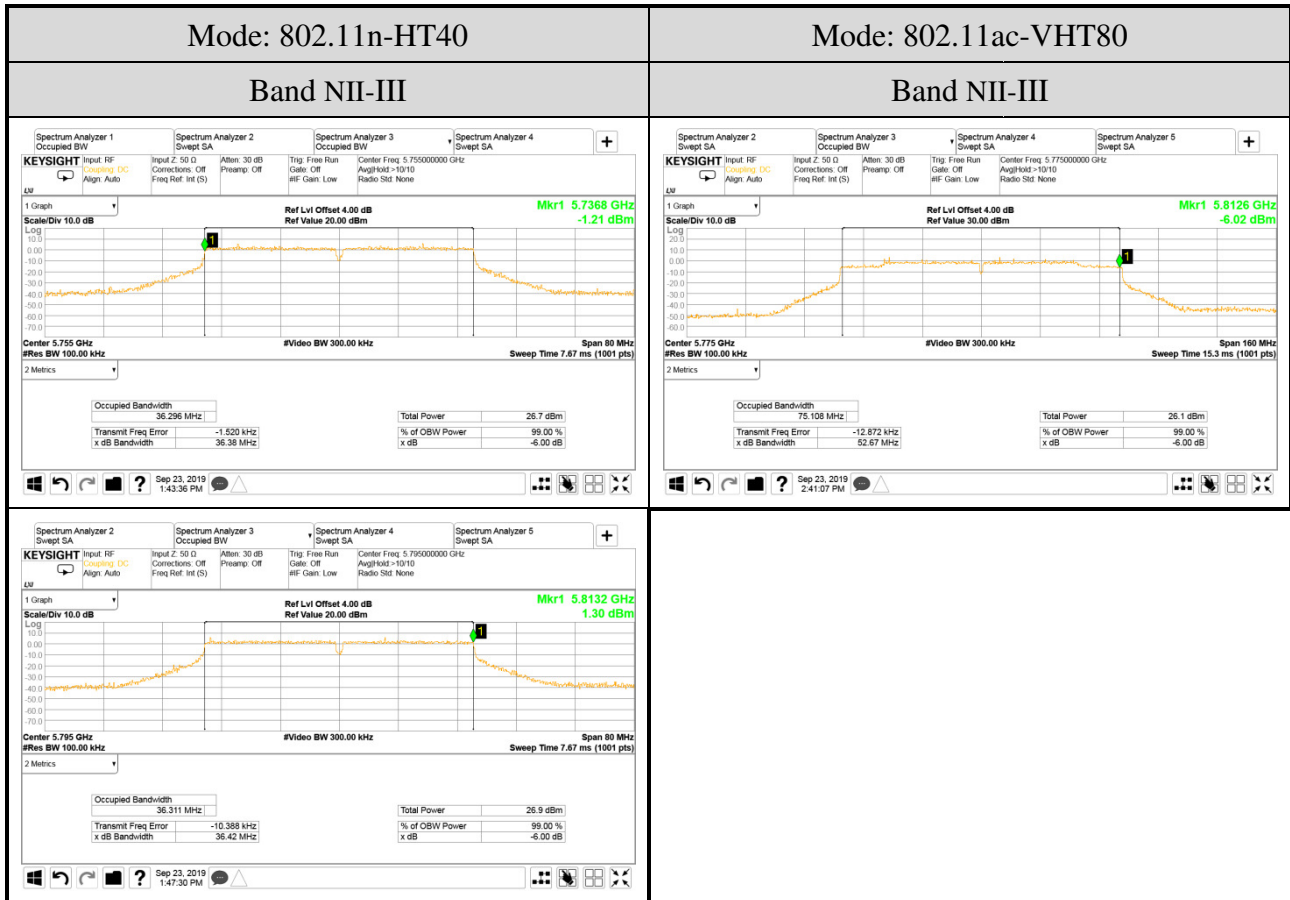
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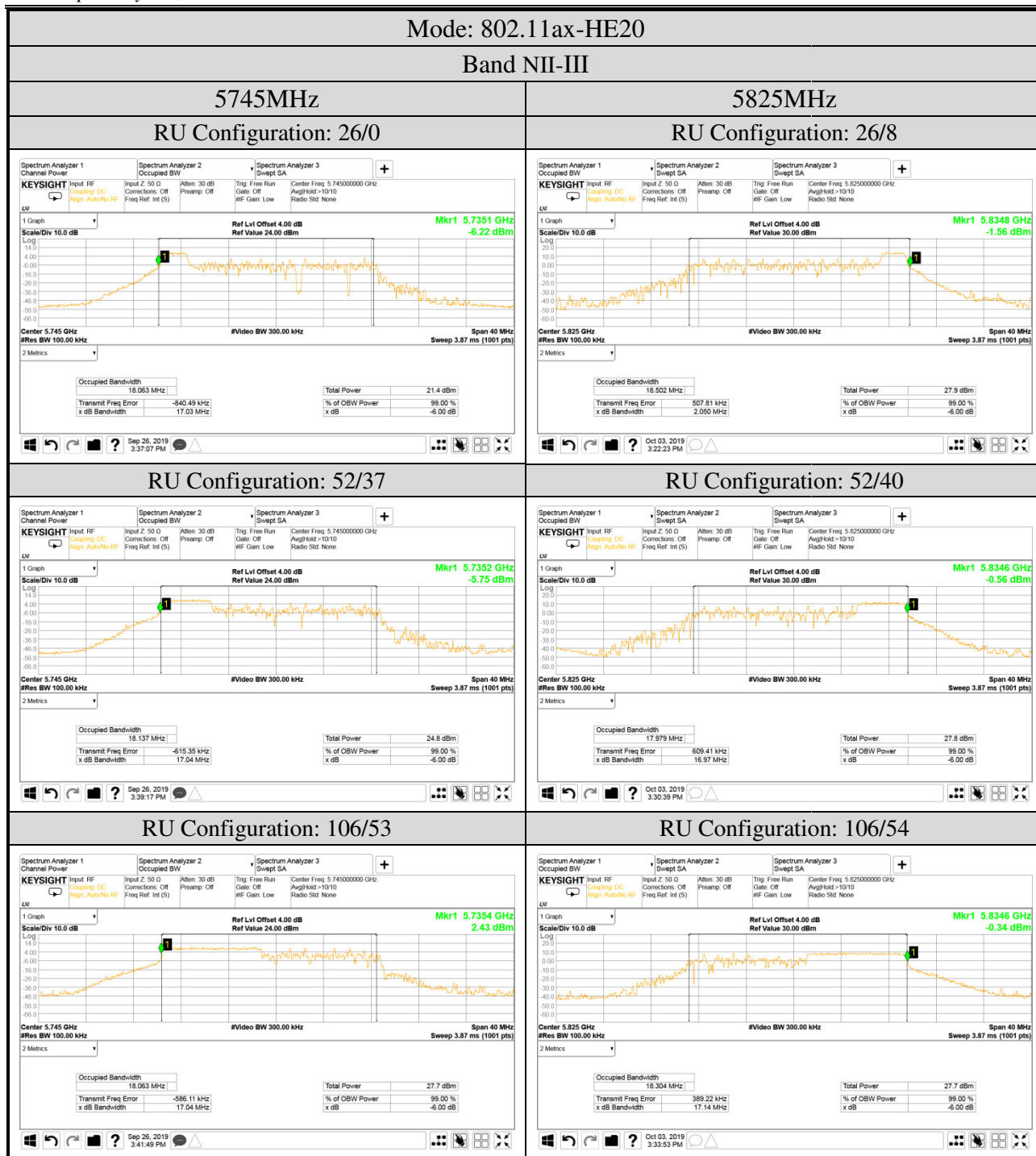


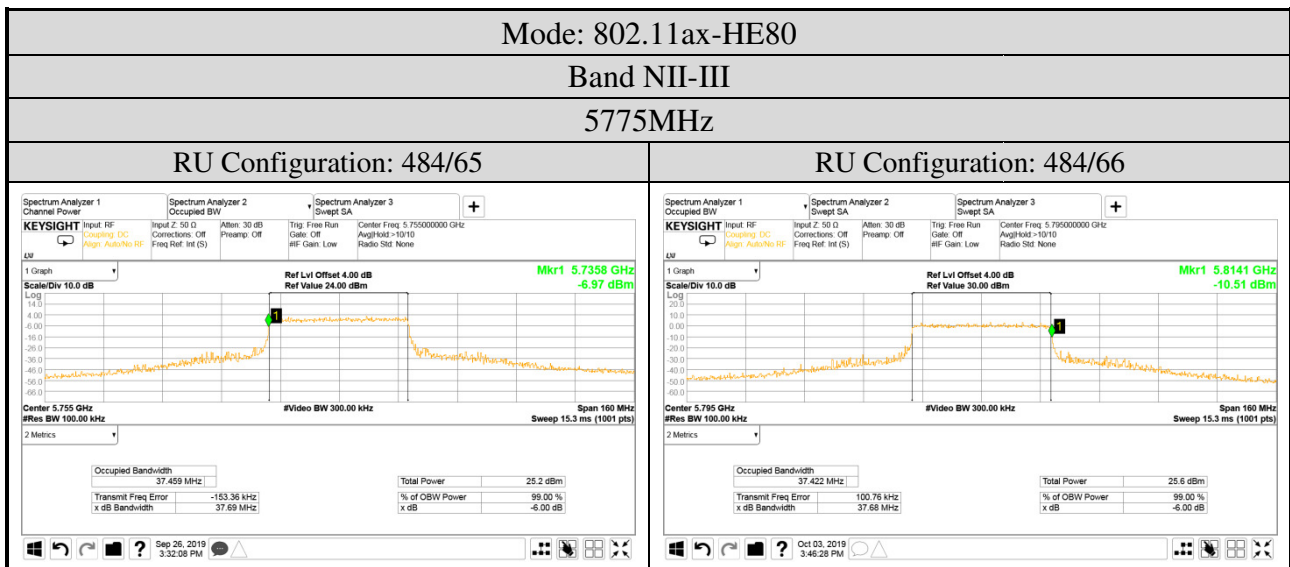
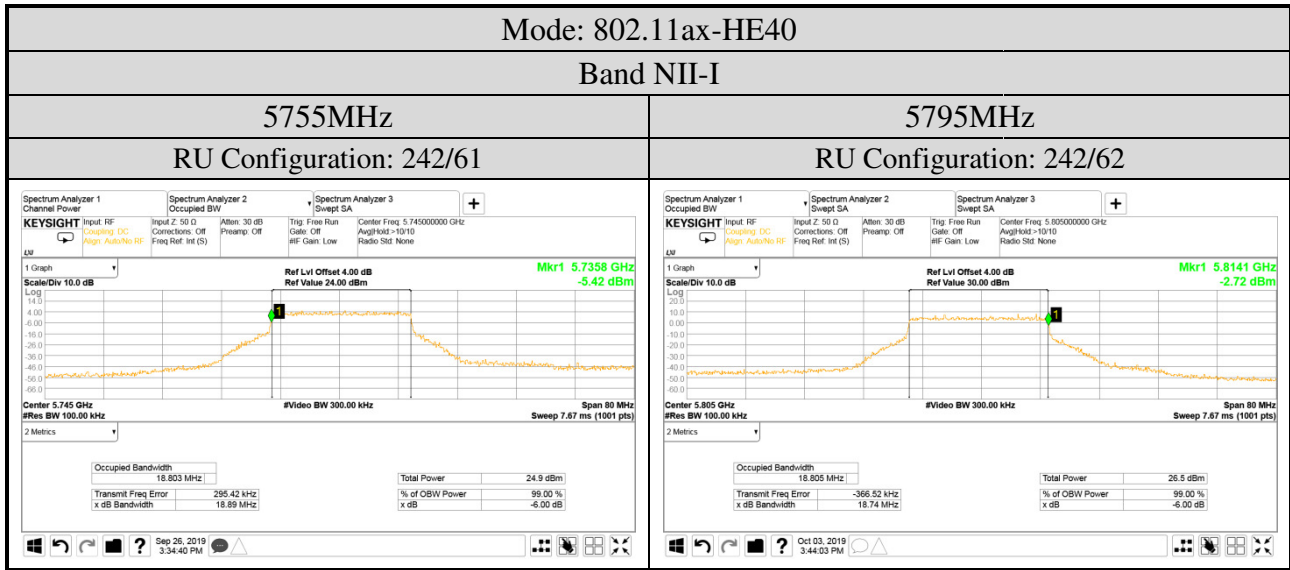


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A.4 MAXIMUM OUTPUT POWER

Test Date	2019/09/20~10/4, 2020/10/30~11/02	Temp./Hum.	23~24°C/47~53%, 23°C/51~55%
Cable Loss	1dB	Tested By	Martin Chen/Kuper Hsu
Test Voltage	AC 120V 60Hz (Via AC Adapter)		

A.4.1 Average Output Power

Mode	Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Max Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11a	NII-I	5180	18.20	18.09	N/A	18.20	0.066	< 250 mW (24 dBm)
		5200	18.86	18.72		18.86	0.077	
		5240	19.89	19.72		19.89	0.097	
	NII-2A	5260	19.96	19.94		19.96	0.099	
		5300	18.98	18.77		18.98	0.079	
		5320	18.26	17.90		18.26	0.067	
	NII-2C	5500	18.49	18.29		18.49	0.071	
		5580	19.92	19.61		19.92	0.098	
		5700	17.75	18.26		18.26	0.067	
		5720	20.01	19.71		20.01	0.100	
	NII-III	5745	19.85	20.08		20.08	0.102	< 1 W (30 dBm)
		5785	19.72	20.01		20.01	0.100	
		5825	19.67	19.79		19.79	0.095	

SPOT CHECK

Mode	Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Max Average Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11a	NII-I	5180	18.22	18.09	N/A	18.22	0.066	< 250 mW (24 dBm)
		5200	18.89	18.78		18.89	0.077	
		5240	19.91	19.81		19.91	0.098	
	NII-2A	5260	19.95	19.82		19.95	0.099	
		5300	18.91	18.81		18.91	0.078	
		5320	18.26	17.99		18.26	0.067	
	NII-2C	5500	18.42	18.41		18.42	0.070	
		5580	19.85	19.77		19.85	0.097	
		5700	17.73	18.27		18.27	0.067	
		5720	20.05	19.80		20.05	0.101	
	NII-III	5745	19.91	20.05		20.05	0.101	< 1 W (30 dBm)
		5785	19.73	19.93		19.93	0.098	
		5825	19.69	19.81		19.81	0.096	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results.

Mode	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	NII-I	5180	15.58	15.33	N/A	18.47	0.070	< 250 mW (24 dBm)
		5200	16.23	16.04		19.15	0.082	
		5240	17.46	17.18		20.33	0.108	
	NII-2A	5260	17.61	17.49		20.56	0.114	
		5300	16.35	16.07		19.22	0.084	
		5320	15.41	15.19		18.31	0.068	
	NII-2C	5500	15.82	15.55		18.70	0.074	
		5580	17.52	17.29		20.42	0.110	< 1 W (30 dBm)
		5700	15.11	14.57		17.86	0.061	
		5720	17.49	17.21		20.36	0.109	
	NII-III	5745	17.26	17.24		20.26	0.106	
		5785	17.35	17.25		20.31	0.107	
		5825	17.28	17.26		20.28	0.107	
802.11n- HT40	NII-I	5190	15.81	15.51	N/A	18.67	0.074	< 250 mW (24 dBm)
		5230	17.35	17.11		20.24	0.106	
	NII-2A	5270	16.69	16.61		19.66	0.092	
		5310	14.78	14.52		17.66	0.058	
	NII-2C	5510	15.10	14.69		17.91	0.062	
		5550	15.89	15.65		18.78	0.076	
		5670	17.35	16.88		20.13	0.103	
		5710	17.98	17.55		20.78	0.120	
	NII-III	5755	17.68	17.65		20.68	0.117	< 1 W (30 dBm)
		5795	17.78	17.74		20.77	0.119	
802.11ac- VHT80	NII-I	5210	16.10	15.75	N/A	18.94	0.078	< 250 mW (24 dBm)
	NII-2A	5290	14.79	14.58		17.70	0.059	
	NII-2C	5530	15.64	15.24		18.45	0.070	
		5610	17.83	17.64		20.75	0.119	
		5690	18.19	17.84		21.03	0.127	
	NII-III	5775	16.50	16.53		19.53	0.090	< 1 W (30 dBm)
802.11ac- VHT160	NII-I/II-2A	5250	11.94	11.84	N/A	14.90	0.031	< 250 mW (24 dBm)
	NII-2C	5570	11.51	11.39		14.46	0.028	

Note: The results have been included cable loss.

SPOT CHECK

Mode	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	NII-I	5180	15.66	15.16	N/A	18.43	0.070	< 250 mW (24 dBm)
		5200	16.22	15.99		19.12	0.082	
		5240	17.35	17.09		20.23	0.105	
	NII-2A	5260	17.58	17.50		20.55	0.114	
		5300	16.35	16.12		19.25	0.084	
		5320	15.36	15.12		18.25	0.067	
	NII-2C	5500	15.78	15.46		18.63	0.073	
		5580	17.42	17.25		20.35	0.108	< 1 W (30 dBm)
		5700	15.06	14.55		17.82	0.061	
		5720	17.46	17.22		20.35	0.108	
	NII-III	5745	17.19	17.24		20.23	0.105	
		5785	17.37	17.29		20.34	0.108	
		5825	17.17	17.28		20.24	0.106	
802.11n-HT40	NII-I	5190	15.76	15.53	N/A	18.66	0.073	< 250 mW (24 dBm)
		5230	17.34	17.02		20.19	0.104	
	NII-2A	5270	16.69	16.62		19.67	0.093	
		5310	14.74	14.52		17.64	0.058	
	NII-2C	5510	15.06	14.60		17.85	0.061	
		5550	15.81	15.60		18.72	0.074	
		5670	17.47	16.84		20.18	0.104	
		5710	17.96	17.57		20.78	0.120	< 1 W (30 dBm)
	NII-III	5755	17.72	17.62		20.68	0.117	
		5795	17.78	17.72		20.76	0.119	
802.11ac-VHT80	NII-I	5210	16.08	15.50	N/A	18.81	0.076	< 250 mW (24 dBm)
	NII-2A	5290	14.81	14.48		17.66	0.058	
	NII-2C	5530	15.75	15.05		18.42	0.070	
		5610	18.00	17.13		20.60	0.115	
	NII-III	5690	18.20	17.56		20.90	0.123	< 1 W (30 dBm)
		5775	16.55	16.38		19.48	0.089	
802.11ac-VHT160	NII-I/ NII-2A	5250	12.01	11.75	N/A	14.89	0.031	< 250 mW (24 dBm)
	NII-2C	5570	11.69	11.05		14.39	0.027	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results.

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Mode	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	NII-I	5180	15.51	15.28	N/A	18.41	0.069	< 250 mW (24 dBm)
		5200	16.21	15.95		19.09	0.081	
		5240	17.37	17.22		20.31	0.107	
	NII-2A	5260	17.47	17.44		20.47	0.111	
		5300	16.22	16.01		19.13	0.082	
		5320	15.31	15.06		18.20	0.066	
	NII-2C	5500	15.76	15.46		18.62	0.073	
		5580	17.38	17.27		20.34	0.108	< 1 W (30 dBm)
		5700	15.01	14.45		17.75	0.060	
		5720	17.36	17.12		20.25	0.106	
	NII-III	5745	17.10	17.07		20.10	0.102	
		5785	17.22	17.16		20.20	0.105	
		5825	17.17	17.13		20.16	0.104	
802.11ax- HE40	NII-I	5190	15.59	15.37	N/A	18.49	0.071	< 250 mW (24 dBm)
		5230	17.11	16.94		20.04	0.101	
	NII-2A	5270	16.45	16.32		19.40	0.087	
		5310	14.47	14.26		17.38	0.055	
	NII-2C	5510	14.87	14.47		17.68	0.059	
		5550	15.67	15.44		18.57	0.072	
		5670	17.03	16.61		19.84	0.096	
		5710	17.73	17.30		20.53	0.113	< 1 W (30 dBm)
	NII-III	5755	17.41	17.34		20.39	0.109	
		5795	17.52	17.43		20.49	0.112	
802.11ax- HE80	NII-I	5210	15.55	15.57	N/A	18.57	0.072	< 250 mW (24 dBm)
	NII-2A	5290	14.33	14.34		17.35	0.054	
	NII-2C	5530	15.28	15.01		18.16	0.065	
		5610	17.71	17.47		20.60	0.115	
		5690	17.98	17.62		20.81	0.121	
	NII-III	5775	16.20	16.27		19.25	0.084	< 1 W (30 dBm)
802.11ax- HE160	NII-I/ NII-2A	5250	11.65	11.58	N/A	14.63	0.029	< 250 mW (24 dBm)
	NII-2C	5570	11.23	11.15		14.20	0.026	

Note: The results have been included cable loss.

SPOT CHECK

Mode	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	NII-I	5180	15.39	15.15	N/A	18.28	0.067	< 250 mW (24 dBm)
		5200	16.18	15.96		19.08	0.081	
		5240	17.31	17.09		20.21	0.105	
	NII-2A	5260	17.35	17.42		20.40	0.110	
		5300	16.17	16.04		19.12	0.082	
		5320	15.27	15.17		18.23	0.067	
		5500	15.75	15.33		18.56	0.072	
	NII-2C	5580	17.24	16.60		19.94	0.099	
		5700	15.03	14.43		17.75	0.060	
		5720	17.25	17.12		20.20	0.105	
	NII-III	5745	16.98	17.07		20.04	0.101	< 1 W (30 dBm)
		5785	17.25	17.10		20.19	0.104	
		5825	17.16	17.13		20.16	0.104	
802.11ax-HE40	NII-I	5190	15.59	14.89	N/A	18.26	0.067	< 250 mW (24 dBm)
		5230	17.07	16.67		19.88	0.097	
	NII-2A	5270	16.41	16.02		19.23	0.084	
		5310	14.40	14.15		17.29	0.054	
	NII-2C	5510	14.87	14.01		17.47	0.056	
		5550	15.54	15.22		18.39	0.069	
		5670	17.13	16.11		19.66	0.092	
		5710	17.65	16.90		20.30	0.107	
	NII-III	5755	17.37	16.99		20.19	0.104	< 1 W (30 dBm)
		5795	17.47	17.15		20.32	0.108	
802.11ax-HE80	NII-I	5210	15.69	15.49	N/A	18.60	0.072	< 250 mW (24 dBm)
	NII-2A	5290	14.34	14.30		17.33	0.054	
	NII-2C	5530	15.14	14.86		18.01	0.063	
		5610	17.54	16.83		20.21	0.105	
		5690	18.01	17.27		20.67	0.117	
	NII-III	5775	16.24	15.83		19.05	0.080	< 1 W (30 dBm)
802.11ax-HE160	NII-I/ NII-2A	5250	11.70	11.28	N/A	14.51	0.028	< 250 mW (24 dBm)
	NII-2C	5570	11.23	10.92		14.09	0.026	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results.

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Mode	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	NII-I	5180	26/0	11.43	11.18	N/A	14.32	0.027	< 250 mW (24 dBm)
			52/37	14.45	14.25		17.36	0.054	
			106/53	15.68	15.46		18.58	0.072	
	NII-2A	5320	26/8	11.82	11.63		14.74	0.030	
			52/40	12.06	11.92		15.00	0.032	
			106/54	15.55	15.35		18.46	0.070	
	NII-2C	5500	26/0	11.74	11.43		14.60	0.029	
			52/37	14.76	14.48		17.63	0.058	
			106/53	15.78	15.64		18.72	0.074	
		5700	26/8	11.89	11.42		14.67	0.029	
			52/40	13.06	12.59		15.84	0.038	
			106/54	14.72	14.17		17.46	0.056	
	NII-III	5745	26/0	11.58	11.45		14.53	0.028	< 1 W (30 dBm)
			52/37	14.60	14.54		17.58	0.057	
			106/53	17.17	17.15		20.17	0.104	
		5825	26/8	16.65	16.42		19.55	0.090	
			52/40	16.86	16.68		19.78	0.095	
			106/54	16.96	16.64		19.81	0.096	
802.11ax-HE40	NII-I	5190	242/61	15.42	15.34	N/A	18.39	0.069	< 250 mW (24 dBm)
	NII-2A	5310	242/62	14.59	14.36		17.49	0.056	
	NII-2C	5510	242/61	15.05	14.75		17.91	0.062	
		5670	242/62	16.98	16.64		19.82	0.096	
	NII-III	5755	242/61	17.03	17.02		20.04	0.101	< 1 W (30 dBm)
		5795	242/62	16.98	16.96		19.98	0.100	

Note: The results have been included cable loss.

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SPOT CHECK

Mode	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	NII-I	5180	26/0	11.57	11.01	N/A	14.31	0.027	< 250 mW (24 dBm)
			52/37	14.41	14.26		17.35	0.054	
			106/53	15.30	15.82		18.58	0.072	
	NII-2A	5320	26/8	11.69	11.73		14.72	0.030	
			52/40	12.07	11.73		14.91	0.031	
			106/54	15.17	15.72		18.46	0.070	
	NII-2C	5500	26/0	11.81	11.31		14.58	0.029	
			52/37	14.73	14.32		17.54	0.057	
			106/53	15.81	15.55		18.69	0.074	
		5700	26/8	11.98	11.26		14.65	0.029	
			52/40	13.17	12.38		15.80	0.038	
			106/54	11.79	10.99		14.42	0.028	
	NII-III	5745	26/0	11.66	11.25		14.47	0.028	< 1 W (30 dBm)
			52/37	14.64	14.26		17.46	0.056	
			106/53	17.05	16.81		19.94	0.099	
		5825	26/8	14.84	14.78		17.82	0.061	
			52/40	16.77	16.76		19.78	0.095	
			106/54	16.76	16.77		19.78	0.095	
802.11ax-HE40	NII-I	5190	242/61	15.61	15.02	N/A	18.34	0.068	< 250 mW (24 dBm)
	NII-2A	5310	242/62	14.15	14.70		17.44	0.055	
	NII-2C	5510	242/61	14.87	14.72		17.81	0.060	
		5670	242/62	17.11	16.33		19.75	0.094	
	NII-III	5755	242/61	17.04	16.95		20.01	0.100	< 1 W (30 dBm)
		5795	242/62	16.88	16.75		19.83	0.096	

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

2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results.

Mode	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	NII-I	5210	484/65	15.21	15.47	N/A	18.35	0.068	< 250 mW (24 dBm)
	NII-2A	5290	484/66	12.33	11.76		15.06	0.032	
	NII-2C	5530	484/65	13.85	13.53		16.70	0.047	
		5610	484/66	15.78	15.62		18.71	0.074	
	NII-III	5775	484/65	15.39	16.22		18.84	0.077	< 1 W (30 dBm)
			484/66	15.71	15.45		18.59	0.072	
802.11ax-HE160	NII-I/ NII-2A	5250	996/67	10.75	10.59	N/A	13.68	0.023	< 250 mW (24 dBm)
			996/S67	10.47	10.34		13.42	0.022	
	NII-2C	5570	996/67	10.14	9.53		12.86	0.019	
			996/S67	9.90	9.71		12.82	0.019	

Note: The results have been included cable loss.

SPOT CHECK

Mode	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	NII-I	5210	484/65	15.36	14.97	N/A	18.18	0.066	< 250 mW (24 dBm)
	NII-2A	5290	484/66	11.95	12.06		15.02	0.032	
	NII-2C	5530	484/65	13.94	13.38		16.68	0.047	
		5610	484/66	15.98	15.21		18.62	0.073	
	NII-III	5775	484/65	16.00	15.59		18.81	0.076	< 1 W (30 dBm)
			484/66	15.75	15.41		18.59	0.072	
802.11ax-HE160	NII-I/ NII-2A	5250	996/67	10.87	10.39	N/A	13.65	0.023	< 250 mW (24 dBm)
			996/S67	10.40	10.33		13.38	0.022	
	NII-2C	5570	996/67	10.05	9.48		12.78	0.019	
			996/S67	10.22	9.28		12.79	0.019	

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

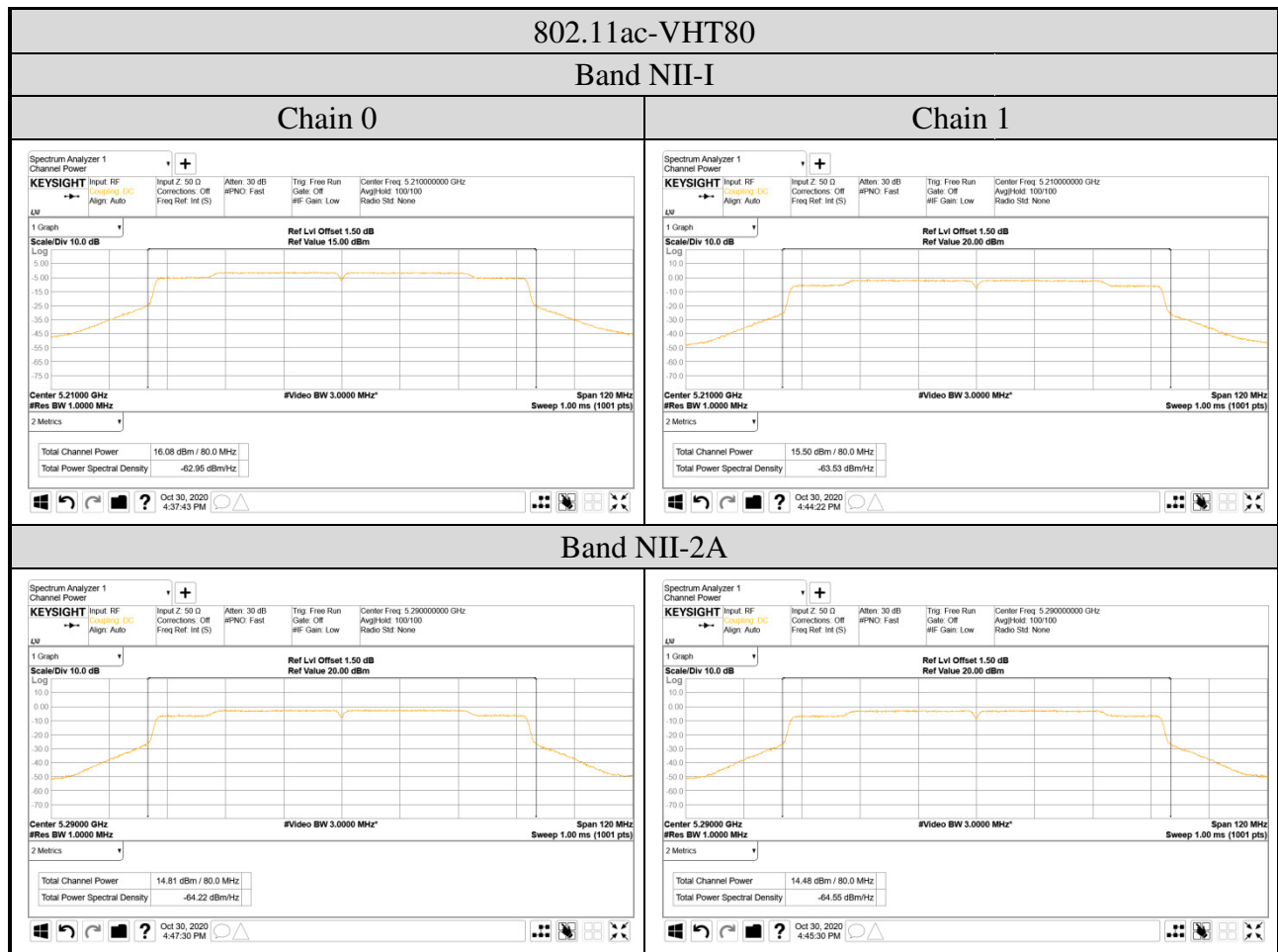
2. This device embedded with same radio transmitter with FCC ID: BEJNT-15Z90N, IC: 2703H-15Z90N. We did spot check for output power and all output power values keep identical thus we reuse all results.

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A.4.2 Measurement Plots

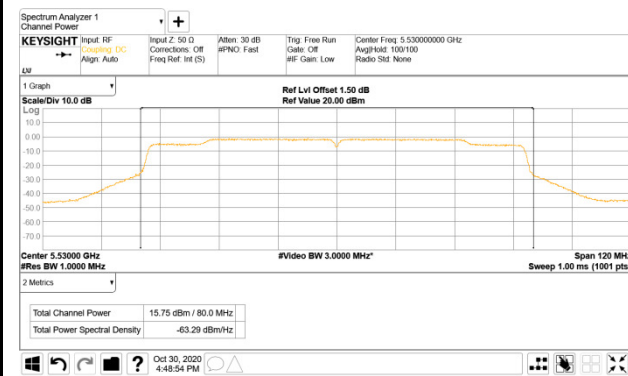
SPOT CHECK



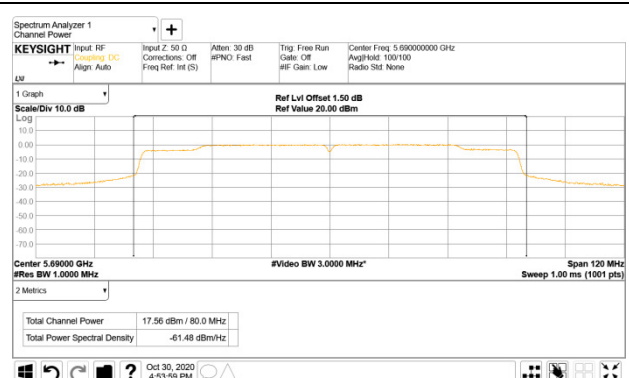
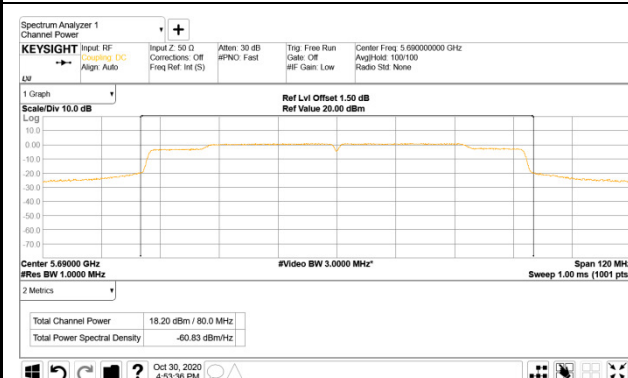
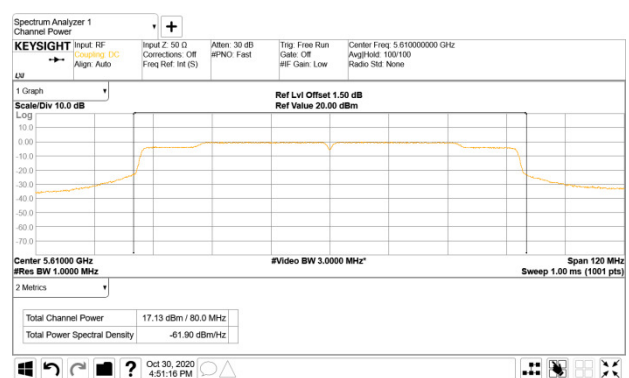
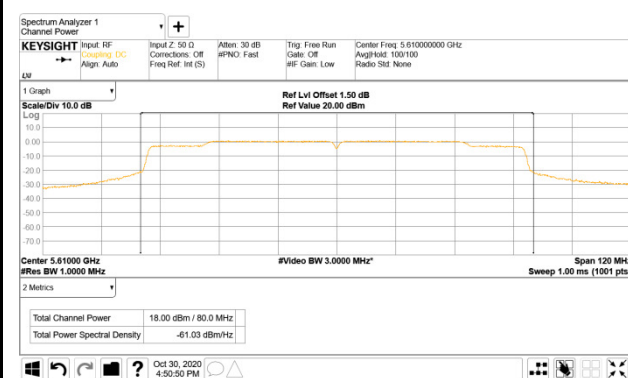
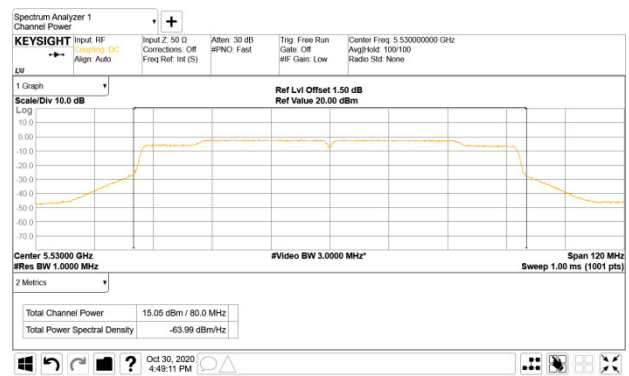
802.11ac-VHT80

Band NII-2C

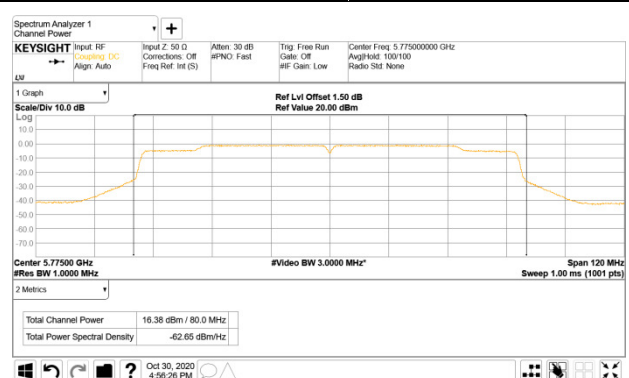
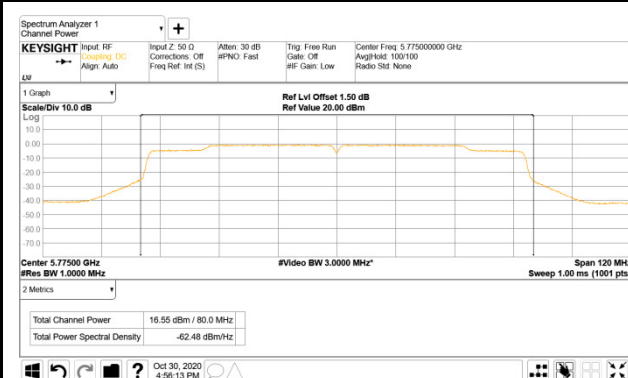
Chain 0



Chain 1

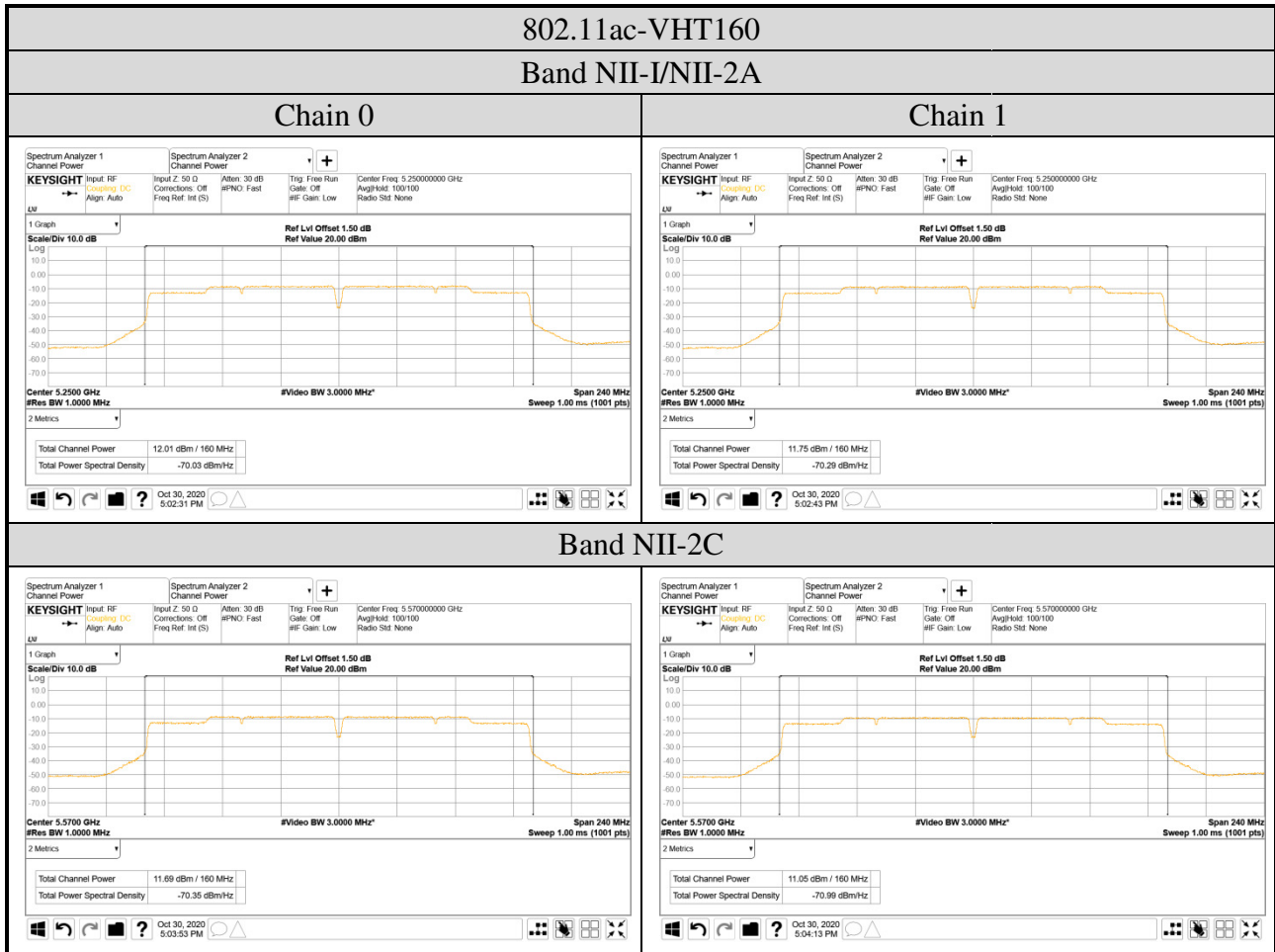


Band NII-III



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