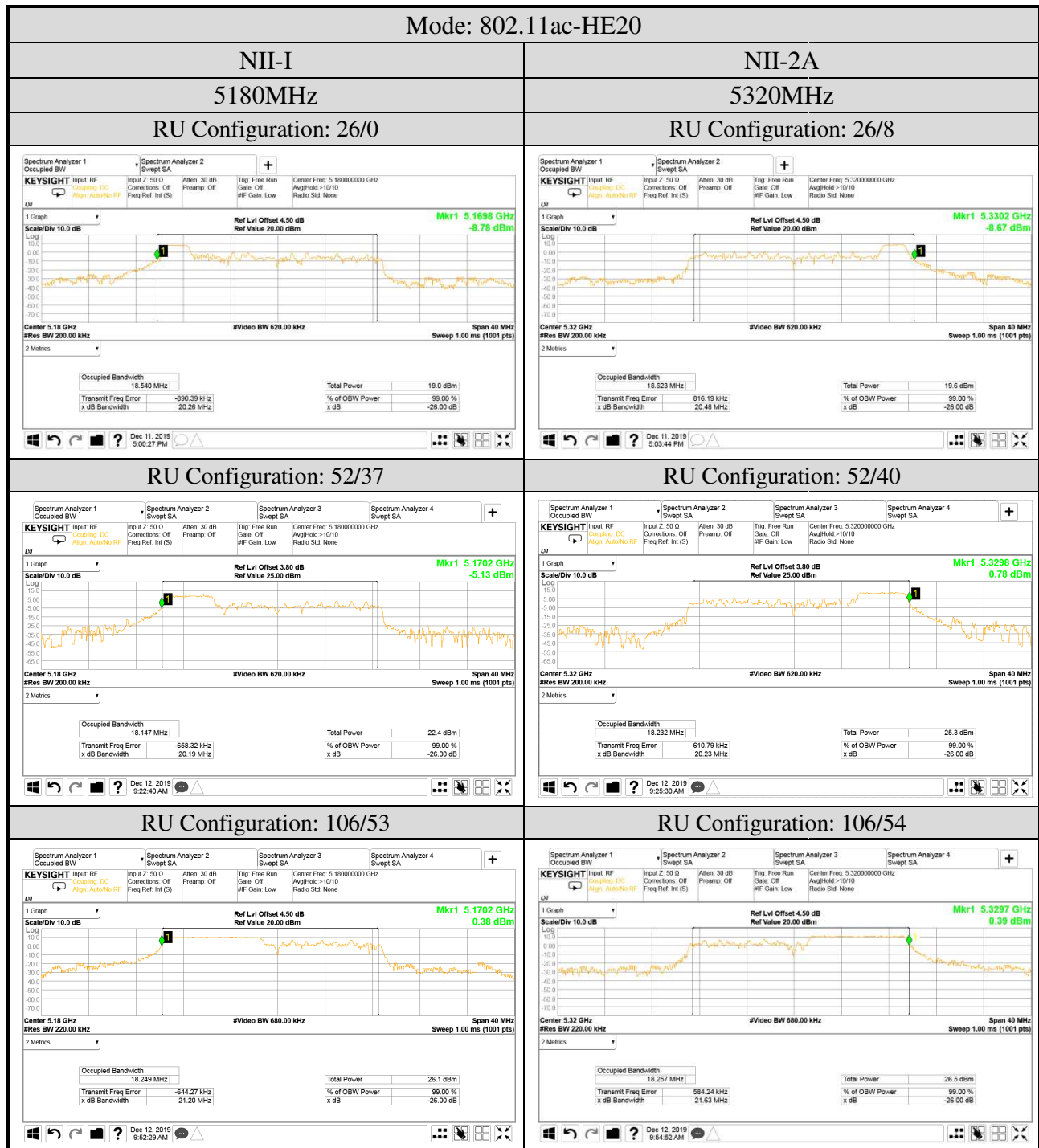
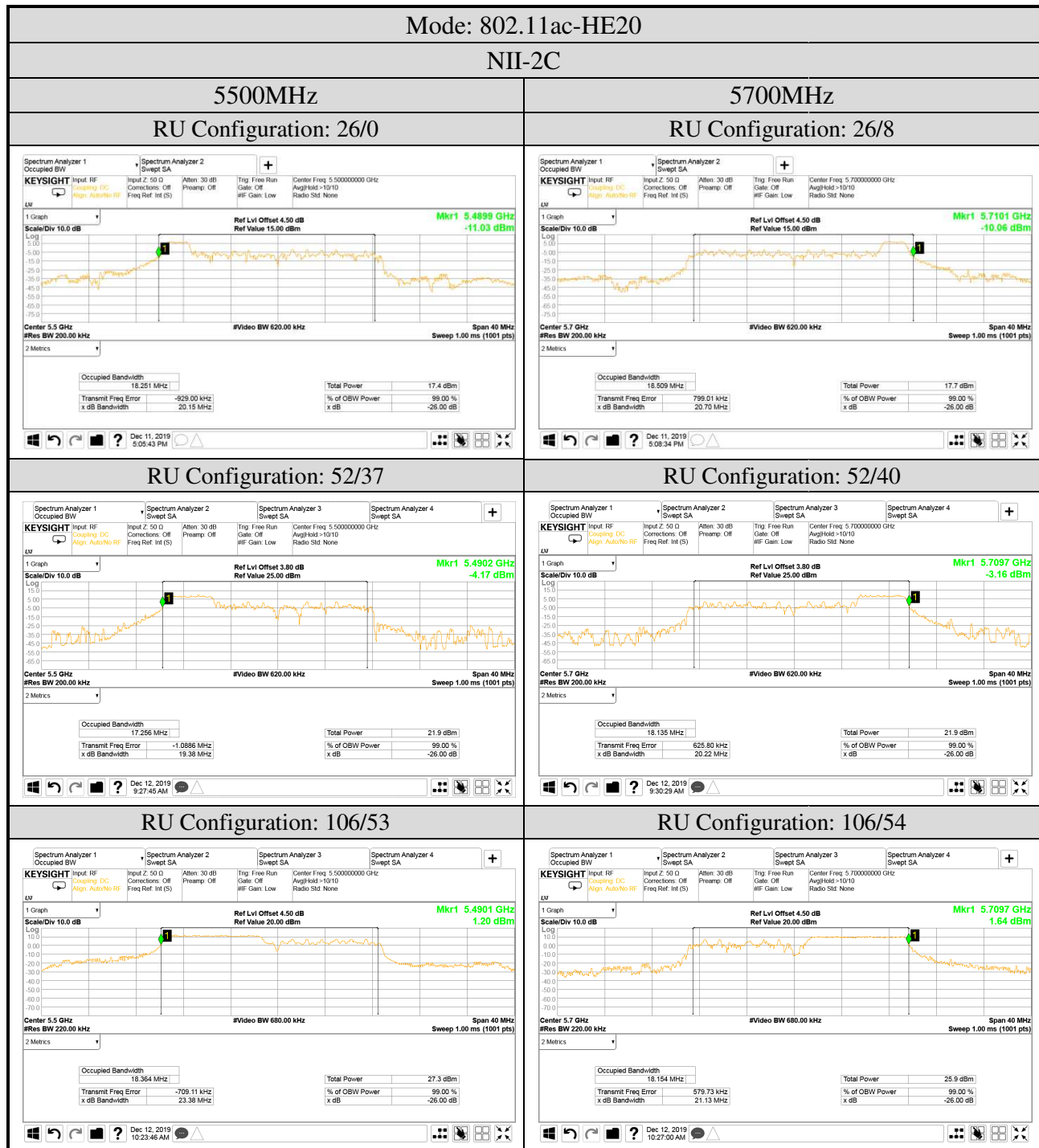
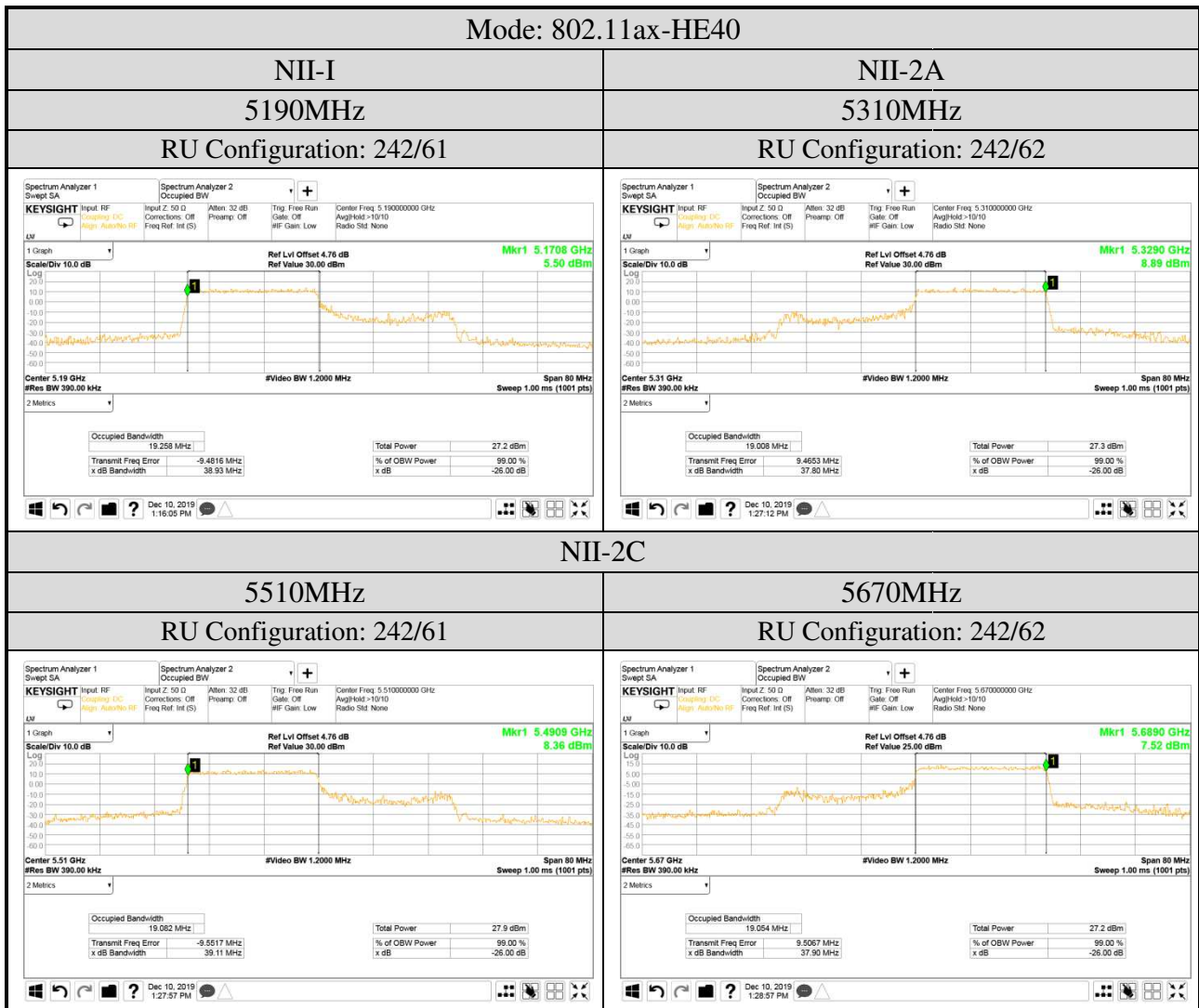






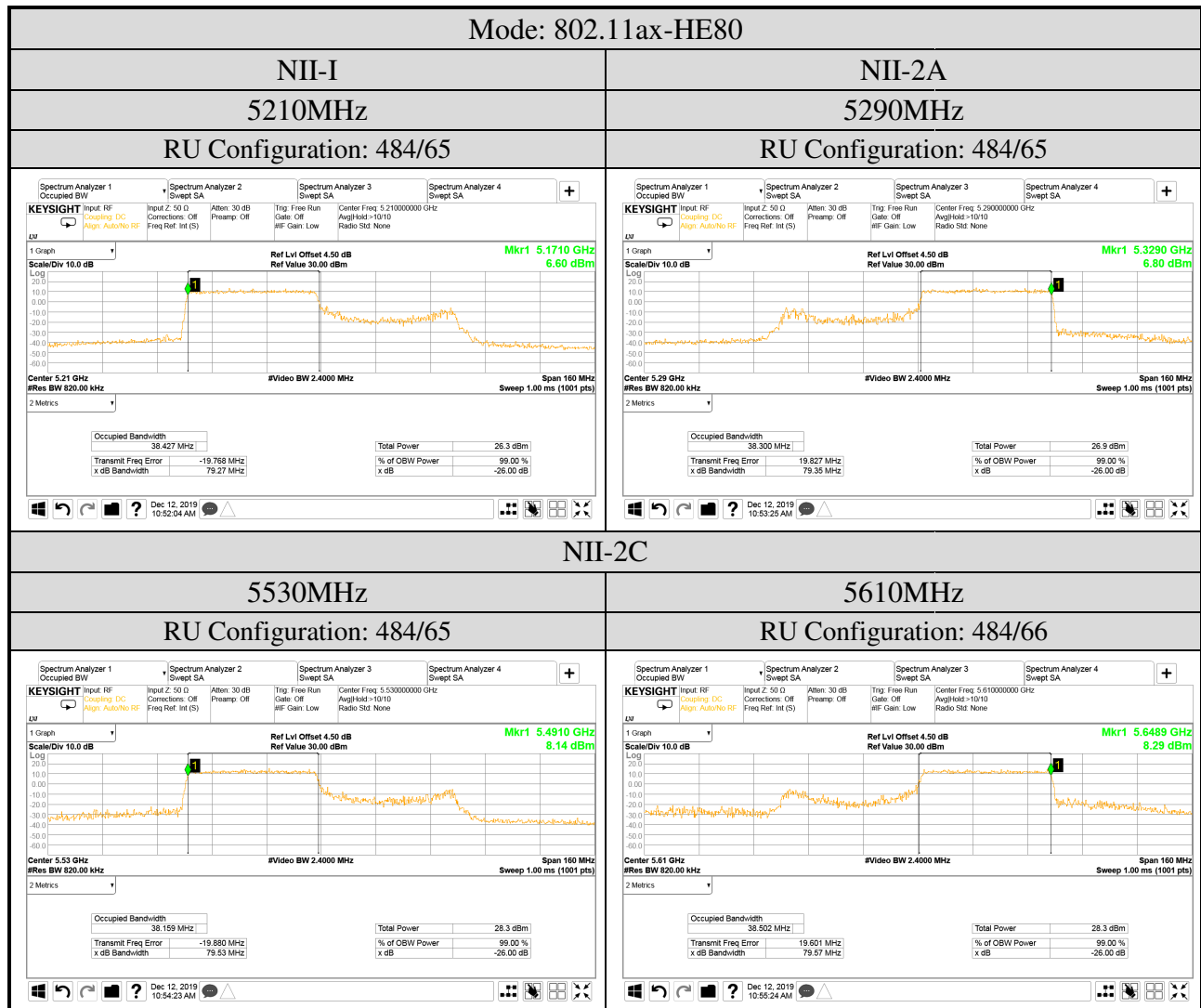
Audix Technology Corp.
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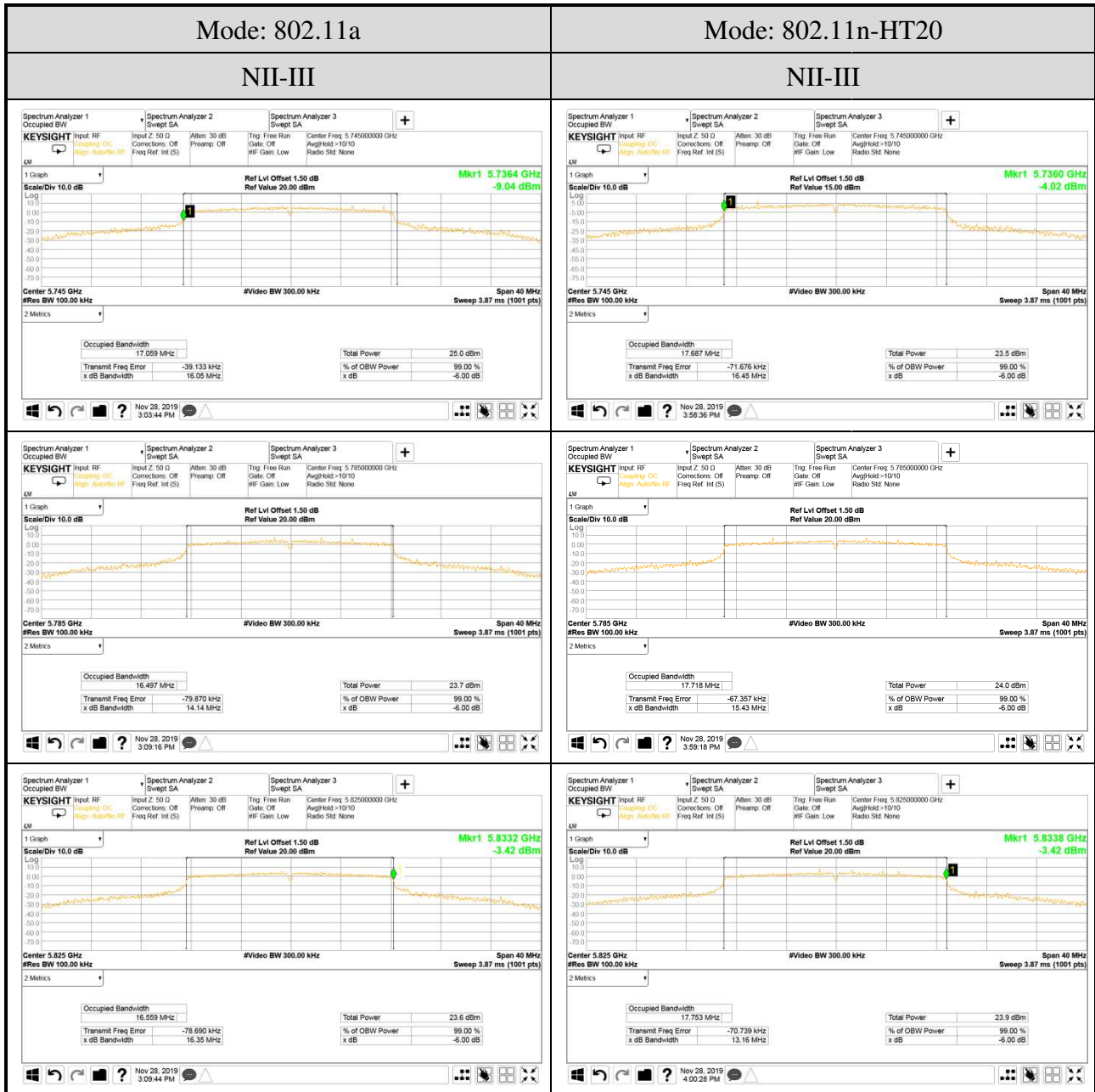


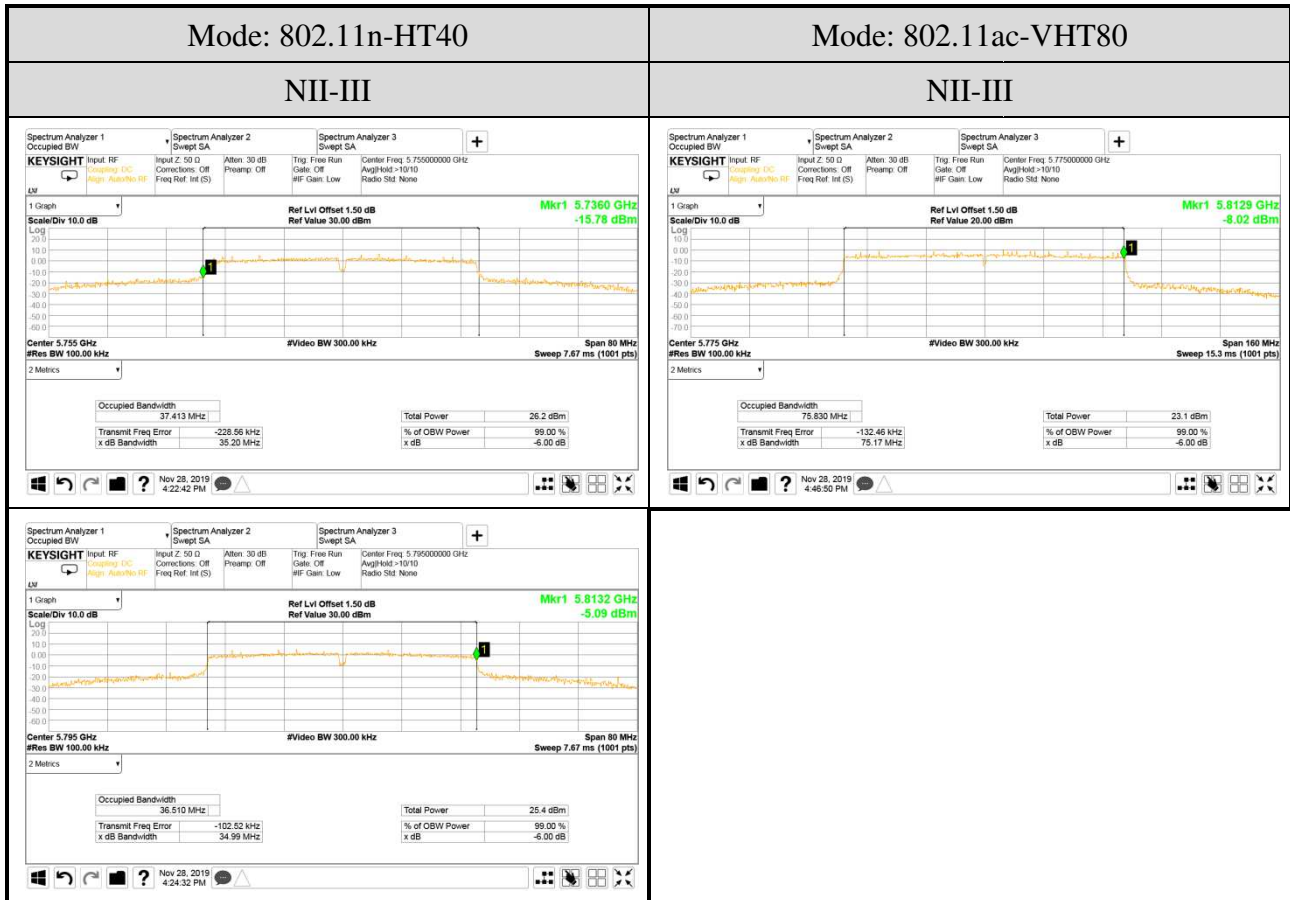
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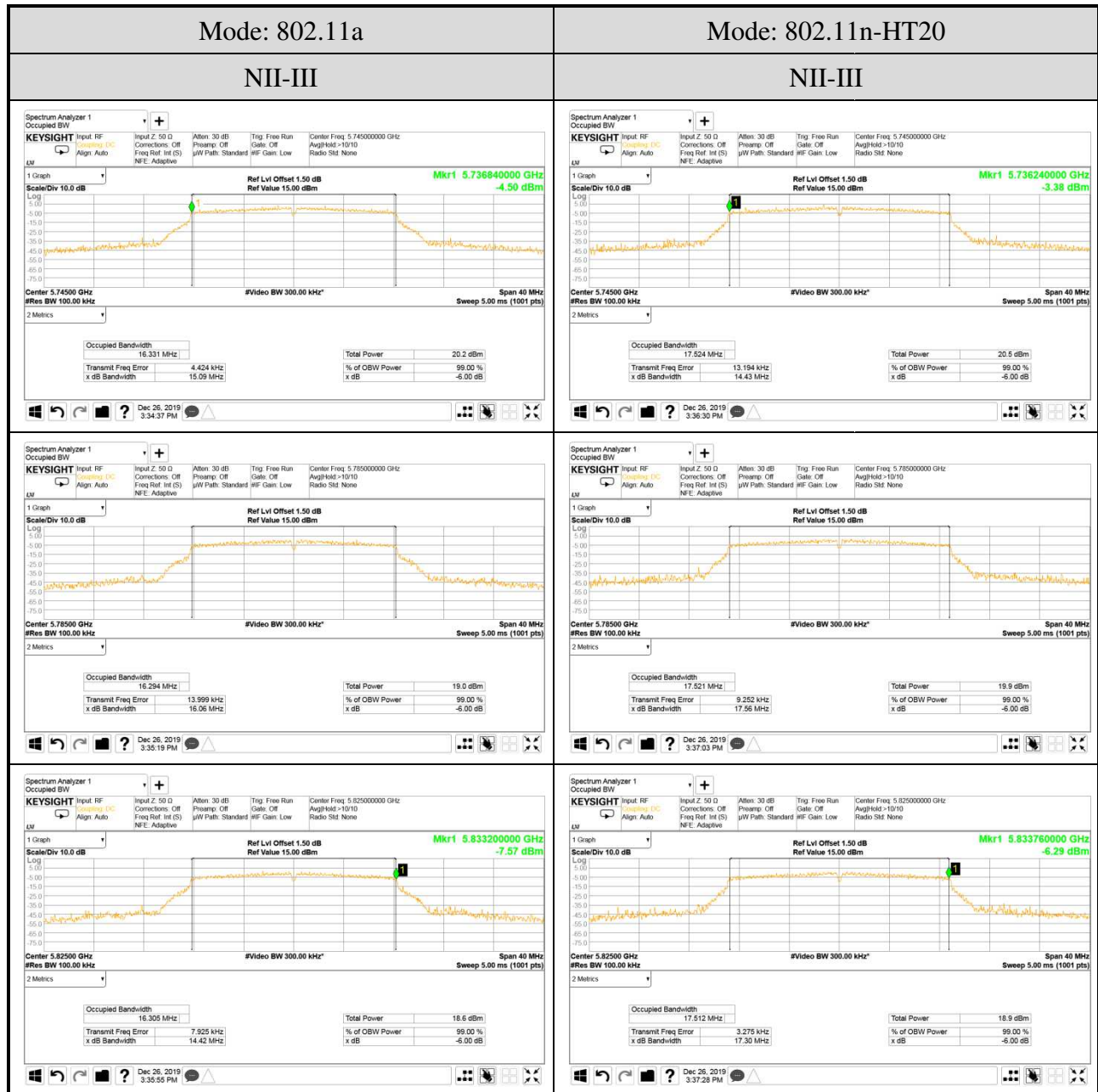


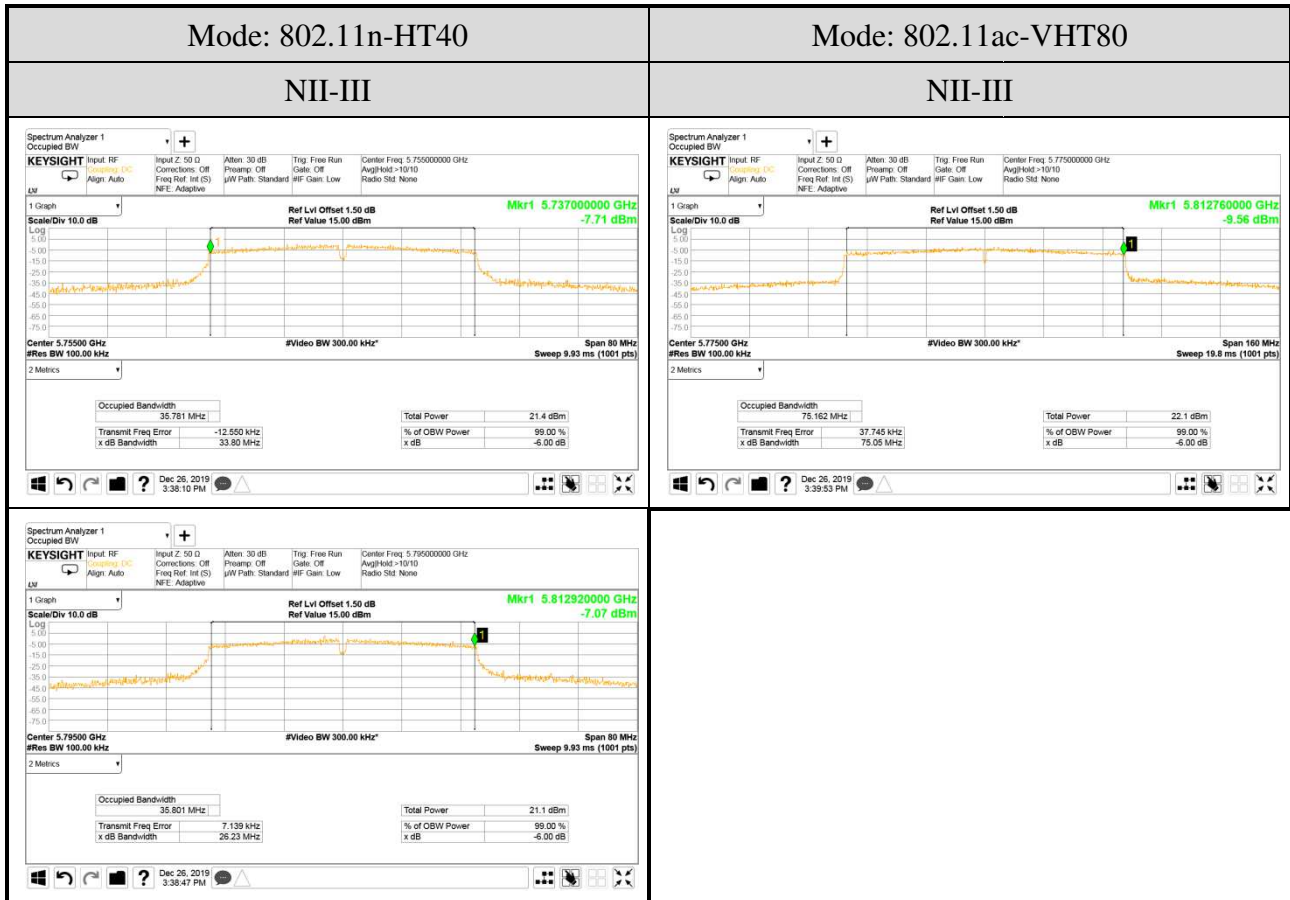
- For 6dB Bandwidth
Chipset: MT7668AUN

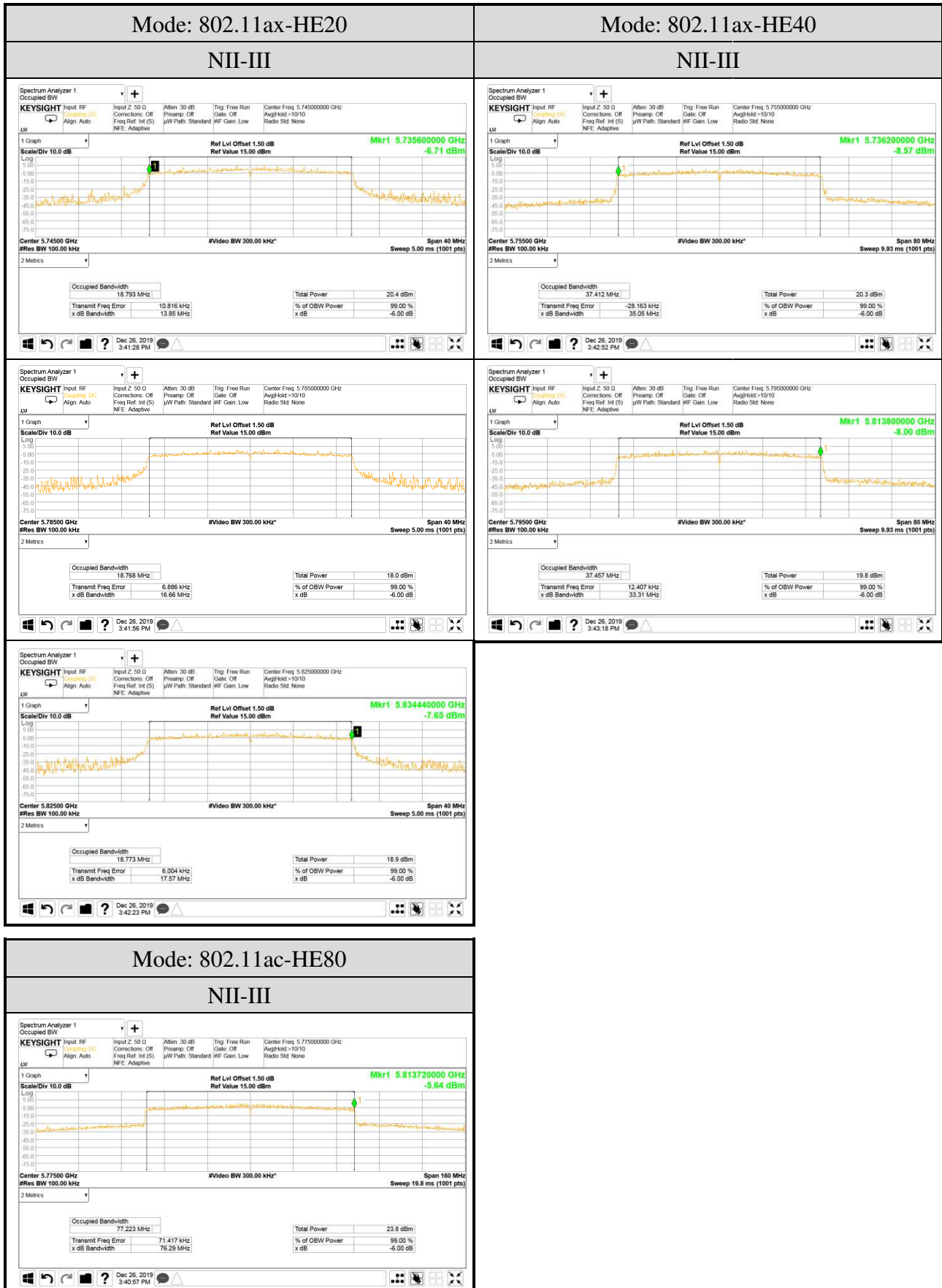


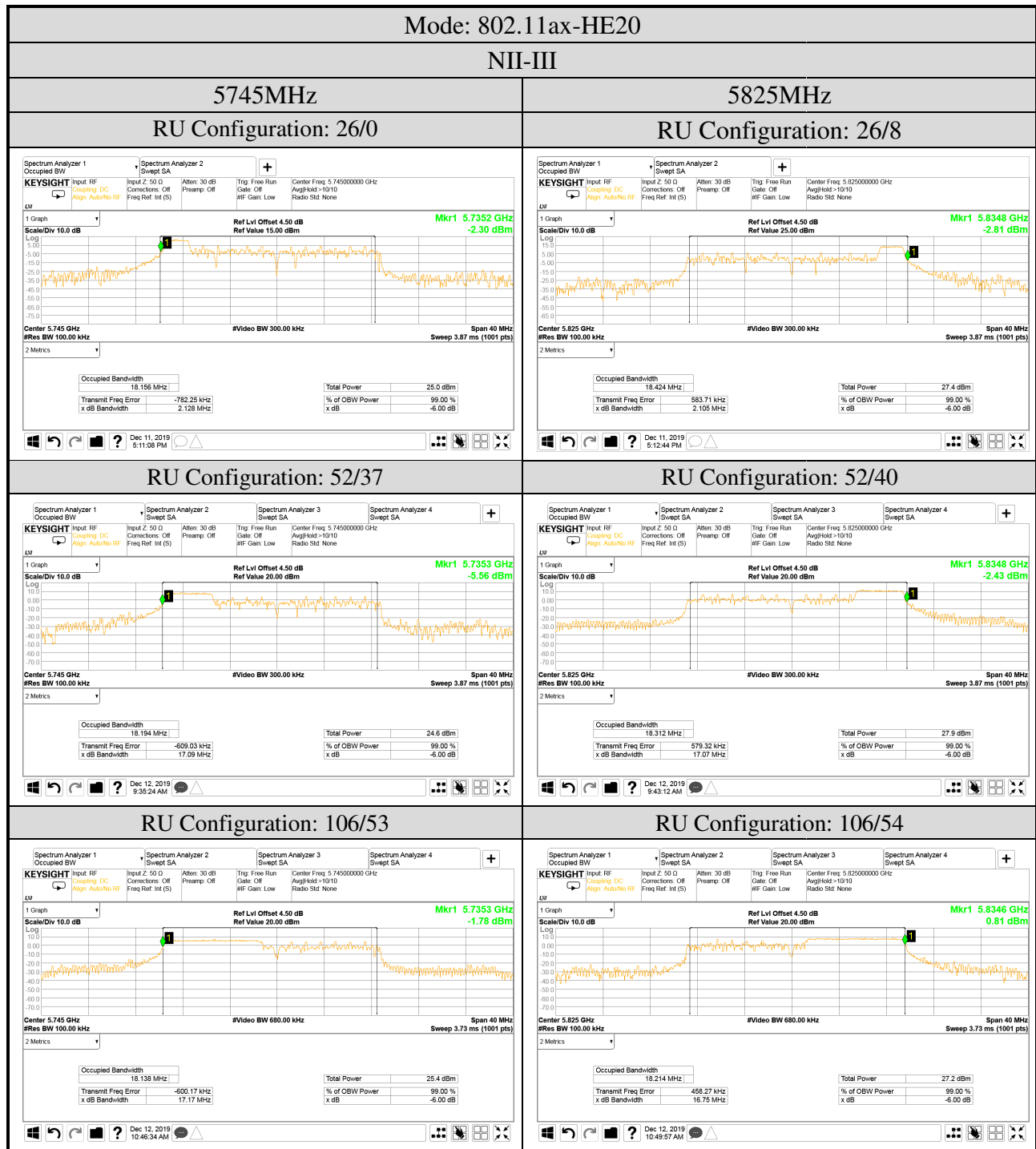


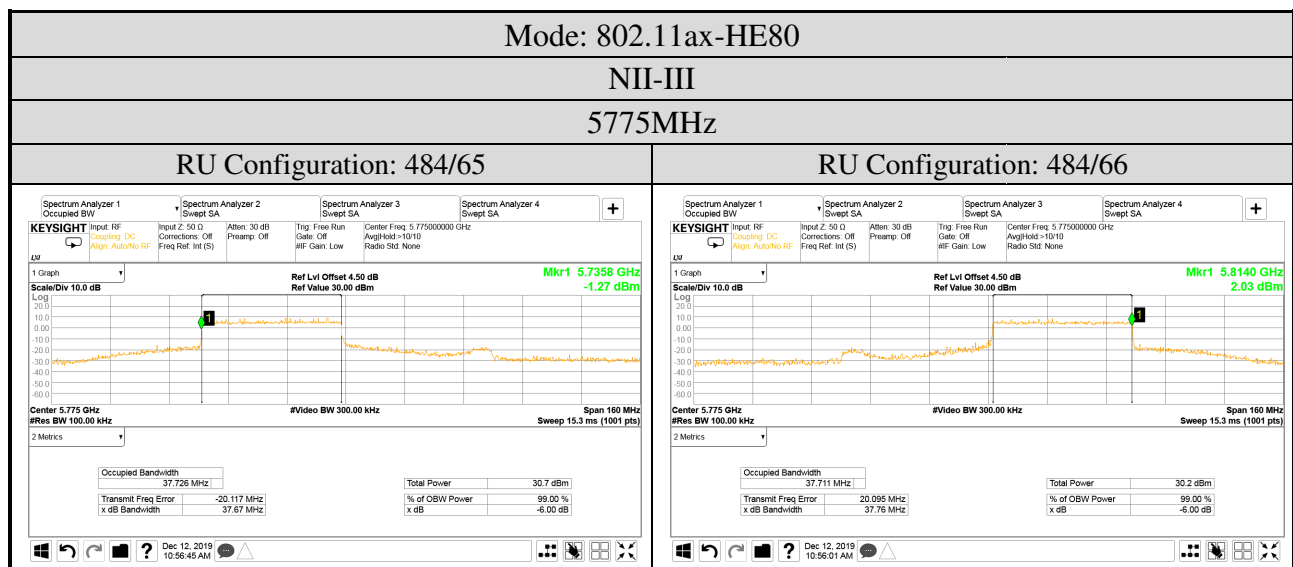
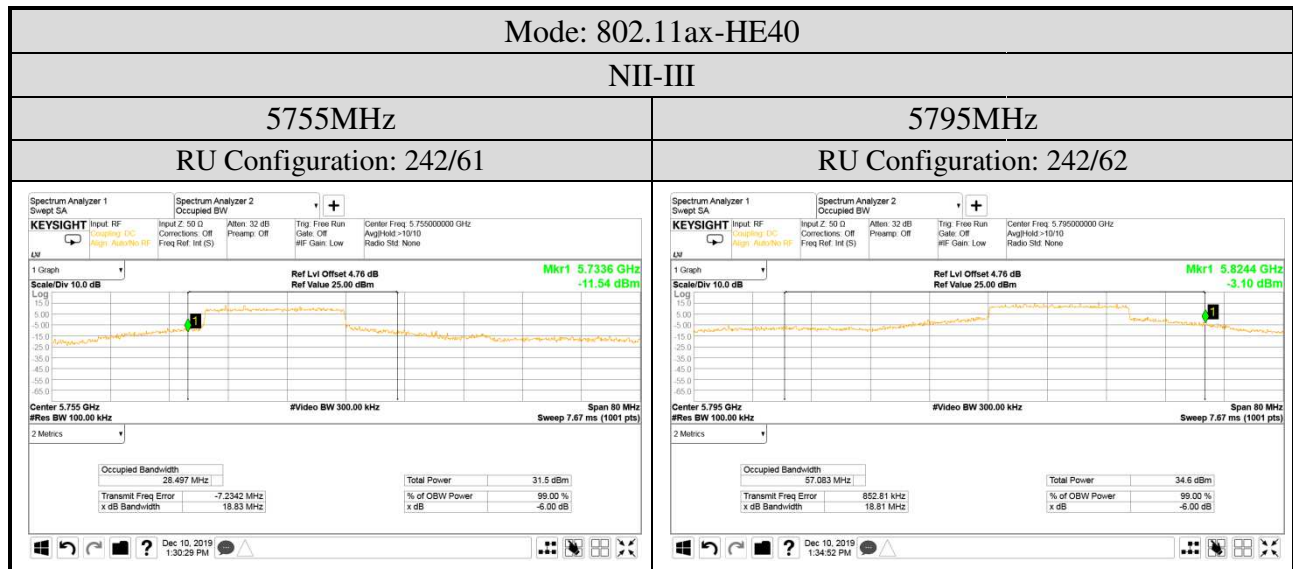
Chipset: MT7915DUN











A.4 MAXIMUM OUTPUT POWER

Test Date	2019/11/28 ~ 12/05	Temp./Hum.	22 ~ 25°C/50 ~ 57%
Cable Loss	1.5dB	Tested By	Kuper Hsu
Test Voltage	DC 5V (via Test JIG)		

A.4.1 Average Output Power

Chipset: MT7668AUN

Mode	UNII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Max Average Output Power		Limit
			WiFi 1 (R)	WiFi 2 (L)		(dBm)	(W)	
802.11a	NII-I	5180	16.62	16.55	N/A	19.60	0.091	< 250 mW (24 dBm)
		5200	16.83	16.69		19.77	0.095	
		5240	17.02	16.90		19.97	0.099	
	NII-2A	5260	16.53	16.13		19.34	0.086	
		5300	16.81	16.51		19.67	0.093	
		5320	17.11	16.69		19.92	0.098	
	MII-2C	5500	16.85	16.69		19.78	0.095	
		5580	17.01	16.83		19.93	0.098	
		5700	17.82	17.41		20.63	0.116	
		5720	17.51	17.01		20.28	0.107	
	NII-III	5745	15.52	15.83		18.69	0.074	< 1 W (30 dBm)
		5785	15.54	16.19		18.89	0.077	
		5825	15.72	16.04		18.89	0.077	

Note: The results have been included cable loss.

Mode	UNII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
			WiFi 1 (R)	WiFi 2 (L)		(dBm)	(W)	
802.11n-HT20	NII-I	5180	17.24	16.84	N/A	20.05	0.101	< 250 mW (24 dBm)
		5200	17.32	16.94		20.14	0.103	
		5240	17.52	17.12		20.33	0.108	
	NII-2A	5260	17.14	16.78		19.97	0.099	
		5300	17.34	17.04		20.20	0.105	
		5320	17.52	17.12		20.33	0.108	
	NII-2C	5500	17.51	17.32		20.43	0.110	
		5580	17.56	17.22		20.40	0.110	
		5700	17.73	17.57		20.66	0.116	
		5720	17.74	17.52		20.64	0.116	
	NII-III	5745	16.55	17.24		19.92	0.098	< 1 W (30 dBm)
		5785	16.53	17.14		19.86	0.097	
		5825	16.42	17.29		19.89	0.097	
802.11n-HT40	NII-I	5190	17.26	16.83	N/A	20.06	0.101	< 250 mW (24 dBm)
		5230	17.31	16.96		20.15	0.104	
	NII-2A	5270	17.58	17.07		20.34	0.108	
		5310	17.96	17.54		20.77	0.119	
	NII-2C	5510	16.51	16.04		19.29	0.085	
		5550	18.37	18.26		21.33	0.136	
		5670	18.32	18.07		21.21	0.132	
		5710	19.94	19.62		22.79	0.190	
	NII-III	5755	17.42	18.42		20.96	0.125	< 1 W (30 dBm)
		5795	17.66	18.23		20.96	0.125	
802.11ac-VHT80	NII-I	5210	13.76	13.28	0.82	17.36	0.054	< 250 mW (24 dBm)
	NII-2A	5290	15.04	14.51		18.62	0.073	
	NII-2C	5530	12.86	12.34		16.44	0.044	
		5610	18.04	17.59		21.66	0.147	
		5690	19.18	18.70		22.78	0.190	
	NII-III	5775	18.05	18.52		22.13	0.163	< 1 W (30 dBm)

Note: The results have been included cable loss.

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Chipset: MT7915DUN

Mode	UNII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Max Average Output Power		Limit
			WiFi 4 (R)	WiFi 3 (L)		(dBm)	(W)	
802.11a	NII-I	5180	16.16	15.73	0.25	19.21	0.083	< 250 mW (24 dBm)
		5200	16.24	15.87		19.32	0.086	
		5240	16.52	17.22		20.14	0.103	
	NII-2A	5260	16.76	17.33		20.31	0.107	
		5300	17.22	17.82		20.79	0.120	
		5320	16.62	17.23		20.19	0.104	
	MII-2C	5500	16.77	17.14		20.22	0.105	
		5580	16.52	16.83		19.94	0.099	
		5700	16.66	17.01		20.10	0.102	
		5720	17.62	17.83		20.98	0.125	
	NII-III	5745	15.67	16.25		19.23	0.084	< 1 W (30 dBm)
		5785	15.67	16.29		19.25	0.084	
		5825	15.82	16.04		19.19	0.083	

Note: The results have been included cable loss.

Mode	UNII Band	Centre Frequency (MHz)	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
			WiFi 4 (R)	WiFi 3 (L)		(dBm)	(W)	
802.11n- HT20	NII-I	5180	16.97	16.62	0.27	20.08	0.102	< 250 mW (24 dBm)
		5200	17.01	16.70		20.13	0.103	
		5240	16.68	17.01		20.12	0.103	
	NII-2A	5260	16.82	17.23		20.31	0.107	
		5300	17.01	17.23		20.40	0.110	
		5320	17.01	17.44		20.51	0.112	
	NII-2C	5500	17.07	17.51		20.57	0.114	
		5580	17.03	17.16		20.37	0.109	
		5700	17.56	17.83		20.97	0.125	
		5720	17.36	17.83		20.88	0.122	
	NII-III	5745	16.86	17.38		20.40	0.110	< 1 W (30 dBm)
		5785	16.68	17.24		20.25	0.106	
		5825	16.66	17.38		20.31	0.107	
802.11n- HT40	NII-I	5190	17.27	16.89	0.54	20.63	0.116	< 250 mW (24 dBm)
		5230	16.70	17.29		20.55	0.114	
	NII-2A	5270	16.04	16.52		19.83	0.096	
		5310	16.32	16.72		20.07	0.102	
	NII-2C	5510	17.90	18.04		21.52	0.142	
		5550	17.89	18.12		21.55	0.143	
		5670	19.26	19.60		22.98	0.199	
		5710	19.30	19.54		22.97	0.198	
	NII-III	5755	17.69	18.44		21.63	0.146	< 1 W (30 dBm)
		5795	17.71	18.50		21.67	0.147	
802.11ac- VHT80	NII-I	5210	15.09	14.64	1.07	18.95	0.079	< 250 mW (24 dBm)
	NII-2A	5290	13.51	13.89		17.79	0.060	
	NII-2C	5530	16.48	16.27		20.46	0.111	
		5610	18.68	18.42		22.63	0.183	
	NII-III	5690	18.99	18.84		23.00	0.200	< 1 W (30 dBm)
		5775	18.51	18.83		22.76	0.189	

Note: The results have been included cable loss.

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			WiFi 4 (R)	WiFi 3 (L)		(dBm)	(W)	
802.11ax-HE20	NII-I	5180	16.52	16.23	0.34	19.65	0.092	< 250 mW (24 dBm)
		5200	16.75	16.51		19.91	0.098	
		5240	16.34	16.72		19.81	0.096	
	NII-2A	5260	16.58	16.83		19.98	0.100	
		5300	17.22	17.53		20.65	0.116	
		5320	17.21	17.63		20.70	0.117	
	NII-2C	5500	16.73	17.22		20.26	0.106	
		5580	17.20	17.19		20.47	0.111	
		5700	16.83	17.35		20.37	0.109	
		5720	17.24	17.65		20.73	0.118	
	NII-III	5745	17.42	17.88		20.93	0.124	< 1 W (30 dBm)
		5785	15.23	15.74		18.77	0.075	
		5825	16.44	16.85		19.93	0.098	
802.11ax-HE40	NII-I	5190	17.69	16.98	0.66	20.89	0.123	< 250 mW (24 dBm)
		5230	16.64	17.45		20.61	0.115	
	NII-2A	5270	16.12	16.53		19.88	0.097	
		5310	16.32	16.42		19.92	0.098	
	NII-2C	5510	17.88	18.11		21.54	0.143	
		5550	17.94	18.22		21.63	0.146	
		5670	18.27	18.52		21.94	0.156	
		5710	19.94	20.09		23.56	0.227	
	NII-III	5755	17.42	18.03		21.28	0.134	< 1 W (30 dBm)
		5795	17.51	18.05		21.33	0.136	
802.11ax-HE80	NII-I	5210	14.85	14.56	1.26	18.79	0.076	< 250 mW (24 dBm)
	NII-2A	5290	14.59	14.65		18.70	0.074	
	NII-2C	5530	16.93	16.79		20.94	0.124	
		5610	18.10	17.62		21.95	0.157	
		5690	18.57	18.42		22.58	0.181	
	NII-III	5775	19.63	19.30		23.55	0.226	< 1 W (30 dBm)

Note: The results have been included cable loss.

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Mode	UNII Band	Centre Frequency (MHz)	RU Configuration	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
				WiFi 4 (R)	WiFi 3 (L)		(dBm)	(W)	
802.11ax-HE20	NII-I	5180	26/0	8.50	8.48	0.28	11.78	0.015	< 250 mW (24 dBm)
			52/37	12.13	12.15	0.88	16.03	0.040	
			106/53	14.51	14.18	0.19	17.55	0.057	
	NII-2A	5320	26/8	8.65	9.79	0.28	12.55	0.018	
			52/40	11.31	11.68	0.88	15.39	0.035	
			106/54	14.42	14.83	0.19	17.83	0.061	
	NII-2C	5500	26/0	8.88	9.26	0.28	12.37	0.017	
			52/37	11.59	11.95	0.88	15.66	0.037	
			106/53	14.79	15.01	0.19	18.11	0.065	
		5700	26/8	8.59	9.11	0.28	12.15	0.016	
			52/40	11.24	11.53	0.88	15.28	0.034	
			106/54	14.51	14.82	0.19	17.87	0.061	
	NII-III	5745	26/0	12.65	12.83	0.28	16.03	0.040	< 1 W (30 dBm)
			52/37	12.53	12.79	0.88	16.55	0.045	
			106/53	12.68	13.33	0.19	16.22	0.042	
		5825	26/8	15.32	15.80	0.28	18.86	0.077	
			52/40	15.31	15.82	0.88	19.46	0.088	
			106/54	15.37	15.91	0.19	18.85	0.077	
802.11ax-HE40	NII-I	5190	242/61	16.75	16.42	0.26	19.86	0.097	< 250 mW (24 dBm)
	NII-2A	5310	242/62	17.01	17.50		20.53	0.113	
	NII-2C	5510	242/61	17.69	17.74		20.99	0.126	
		5670	242/62	17.62	18.10		21.14	0.130	
	NII-III	5755	242/61	18.01	18.16		21.36	0.137	< 1 W (30 dBm)
		5795	242/62	18.08	18.22		21.42	0.139	

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Mode	UNII Band	Centre Frequency (MHz)	RU Configuration	Average Output Power(dBm)		10log (1/X)	Total Average Output Power		Limit
				WiFi 4 (R)	WiFi 3 (L)		(dBm)	(W)	
802.11ax-HE80	NII-I	5210	484/65	14.78	14.70	0.54	18.29	0.067	< 250 mW (24 dBm)
	NII-2A	5290	484/66	14.39	14.79		18.15	0.065	
	NII-2C	5530	484/65	15.99	16.08		19.59	0.091	
		5610	484/66	16.01	16.28		19.70	0.093	
	NII-III	5775	484/65	18.16	18.59		21.93	0.156	< 1 W (30 dBm)
			484/66	18.23	18.65		22.00	0.158	

Note: The results have been included cable loss.

A.4.2 Measurement Plots

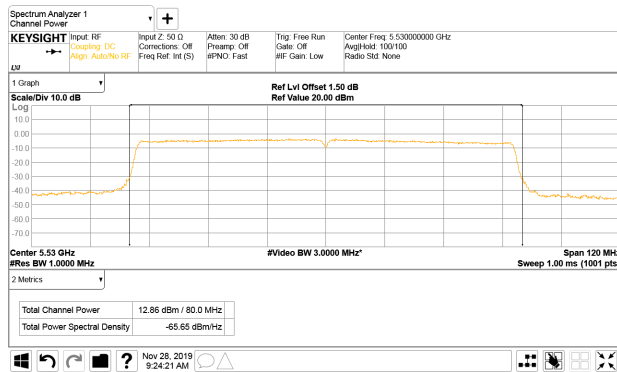
Chipset: MT7668AUN



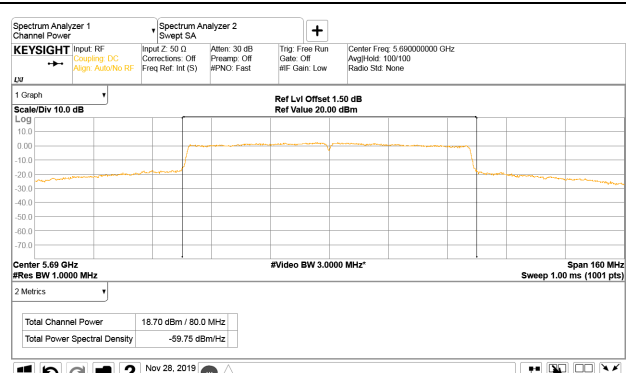
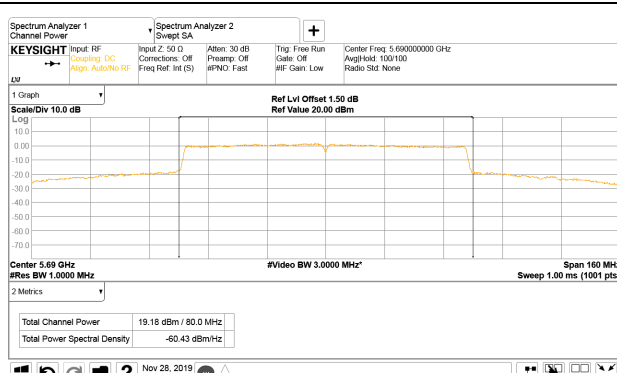
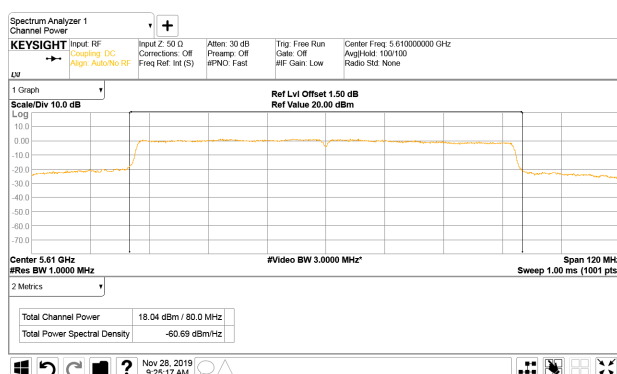
802.11ac-VHT80

NII-2C

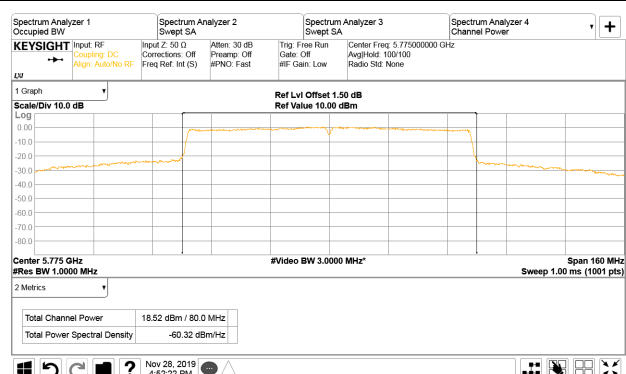
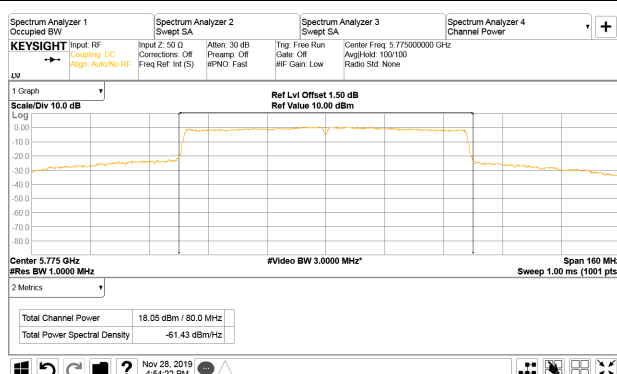
WiFi 1 (R)



WiFi 2 (L)



NII-III



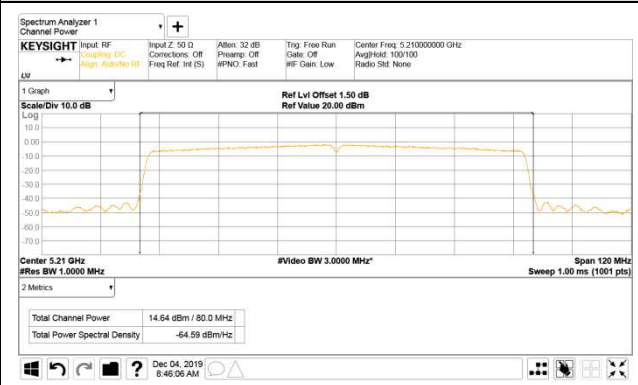
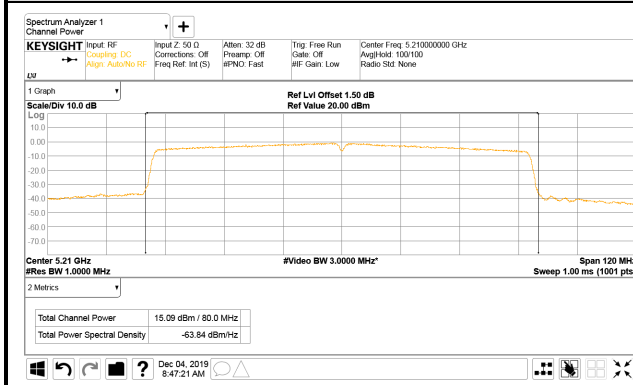
Chipset: MT7915DUN

802.11ac-VHT80

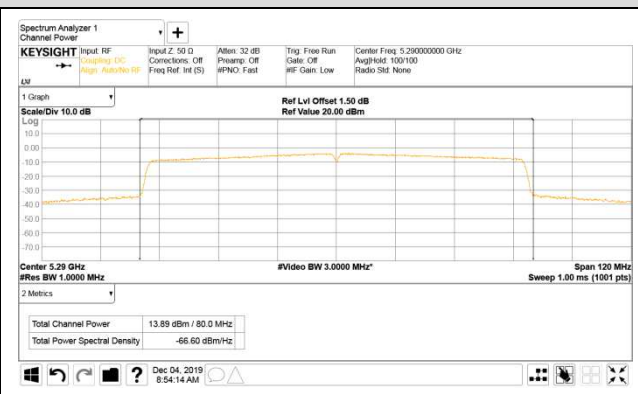
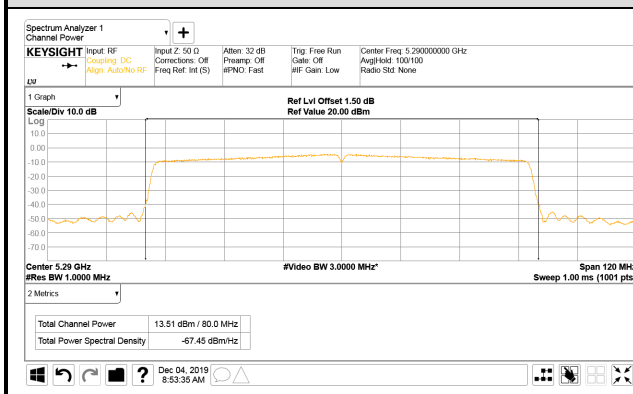
NII-I

WiFi 4 (R)

WiFi 3 (L)



NII-2A



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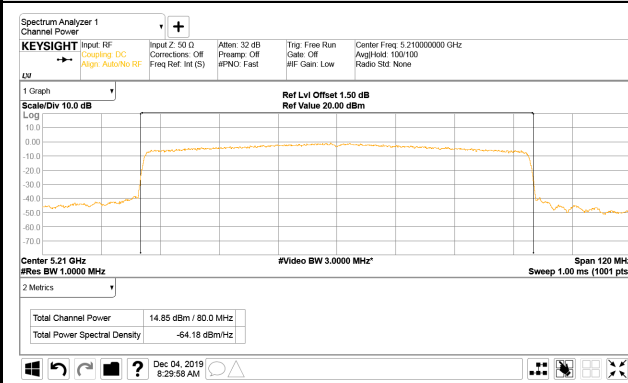
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802.11ax-HE80

NII-I

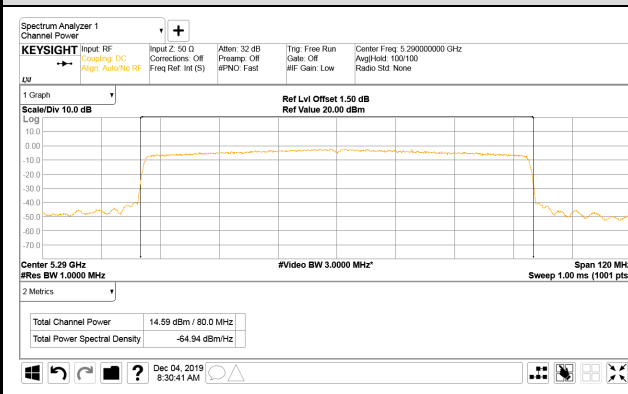
WiFi 4 (R)

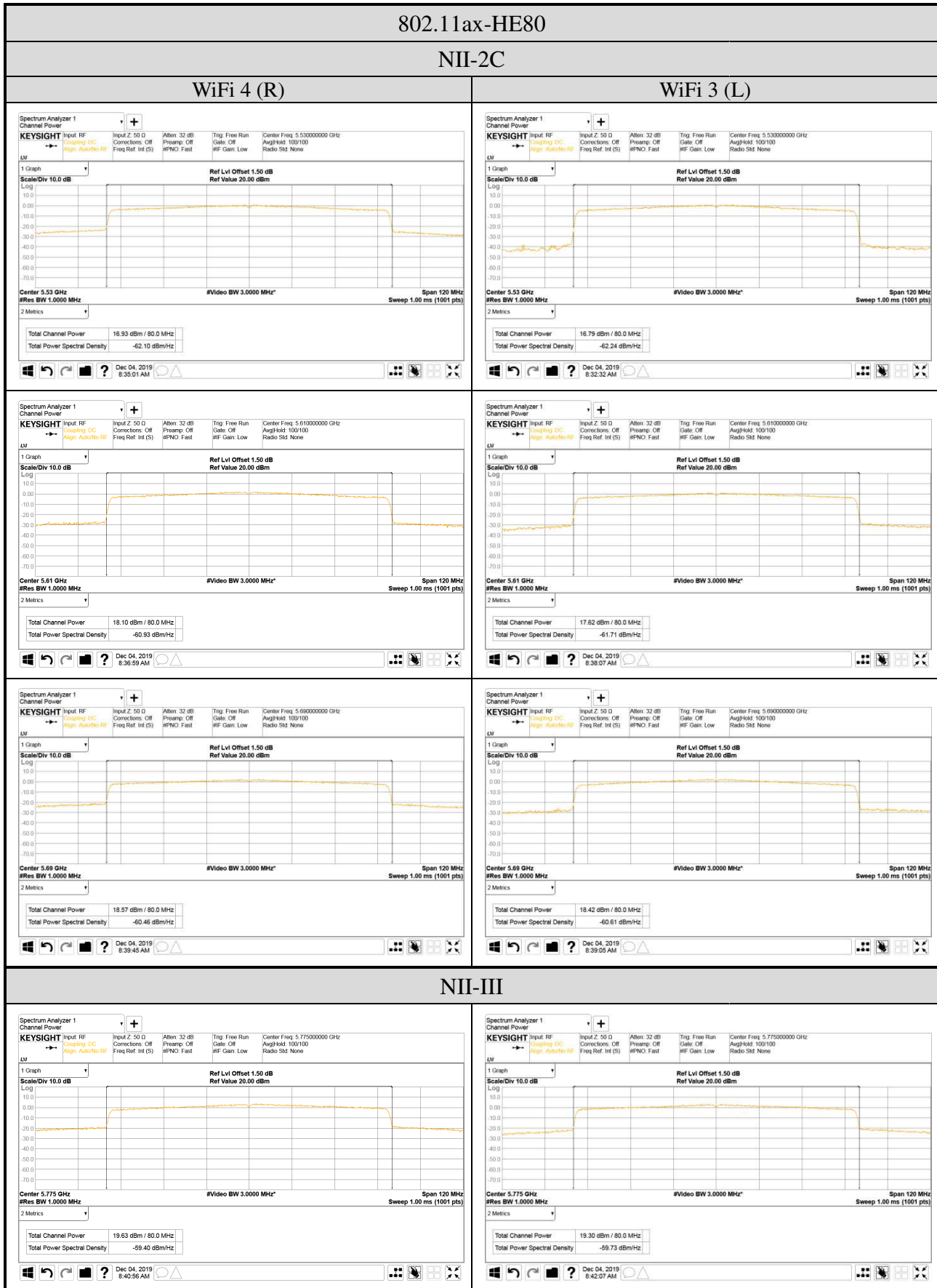


WiFi 3 (L)



NII-2A





A.5 POWER SPECTRAL DENSITY

Test Date	2019/11/28 ~ 12/12	Temp./Hum.	20 ~ 25°C/45 ~ 63%
Cable Loss	1.5dB	Tested By	Kuper Hsu
Test Voltage	DC 5V (via Test JIG)		
Simultaneous Factor 10 log(n) (Note: "n" is antenna number)		802.11a/n-HT20/40: 3 802.11ac-VHT80: 3 802.11ax-HE20/40/80: 3	

A.5.1 Power Spectral Density Result

Chipset: MT7668AUN

Mode	UNII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11a	NII-I	5180	9.921	11 dBm/MHz
		5200	9.919	
		5240	9.934	
	NII-2A	5260	9.975	
		5300	9.879	
		5320	9.734	
	NII-2C	5500	9.998	
		5580	9.638	
		5700	9.856	
		5720	9.801	
	NII-III ^{Note2}	5745	12.105	30dBm/500 kHz
		5785	12.585	
		5825	12.244	

Note 1: All results have been included cable loss and Simultaneous Factor and correct duty factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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Mode	UNII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11n-HT20	NII-I	5180	9.991	11 dBm/MHz
		5200	9.896	
		5240	9.973	
	NII-2A	5260	9.593	
		5300	9.882	
		5320	9.904	
	NII-2C	5500	9.965	
		5580	9.725	
		5700	9.507	
		5720	9.724	
	NII-III ^{Note2}	5745	12.122	30dBm/500 kHz
		5785	12.149	
		5825	11.938	
802.11n-HT40	NII-I	5190	7.113	11 dBm/MHz
		5230	7.154	
	NII-2A	5270	7.297	
		5310	7.498	
	NII-2C	5510	5.661	
		5550	7.660	
		5670	9.419	
		5710	8.621	
	NII-III ^{Note2}	5755	8.490	30dBm/500 kHz
		5795	8.544	
802.11ac-VHT80	NII-I	5210	0.795	11 dBm/MHz
	NII-2A	5290	2.830	
	NII-2C	5530	1.080	
		5610	5.167	
		5690	5.712	
	NII-III ^{Note2}	5775	1.709	30dBm/500 kHz

Note 1: All results have been included cable loss and Simultaneous Factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

Chipset: MT7915DUN

Mode	UNII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11a	NII-I	5180	9.592	11 dBm/MHz
		5200	9.712	
		5240	9.522	
	NII-2A	5260	9.914	
		5300	9.832	
		5320	9.670	
	NII-2C	5500	9.986	
		5580	9.681	
		5700	8.656	
		5720	9.967	
	NII-III ^{Note2}	5745	14.484	30dBm/500 kHz
		5785	13.369	
		5825	13.212	

Note 1: All results have been included cable loss and Simultaneous Factor and correct duty factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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Mode	UNII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11n-HT20	NII-I	5180	9.960	11 dBm/MHz
		5200	9.952	
		5240	9.640	
	NII-2A	5260	8.864	
		5300	9.403	
		5320	9.199	
	NII-2C	5500	9.972	
		5580	9.725	
		5700	9.924	
		5720	9.914	
	NII-III ^{Note2}	5745	14.888	30dBm/500 kHz
		5785	14.496	
		5825	14.195	
802.11n-HT40	NII-I	5190	7.778	11 dBm/MHz
		5230	7.596	
	NII-2A	5270	6.560	
		5310	6.504	
	NII-2C	5510	8.395	
		5550	8.044	
		5670	9.017	
		5710	9.747	
	NII-III ^{Note2}	5755	12.204	30dBm/500 kHz
		5795	11.631	
802.11ac-VHT80	NII-I	5210	4.756	11 dBm/MHz
	NII-2A	5290	0.395	
	NII-2C	5530	-0.244	
		5610	6.733	
		5690	7.068	
	NII-III ^{Note2}	5775	6.816	30dBm/500 kHz

Note 1: All results have been included cable loss and Simultaneous Factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

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Mode	UNII Band	Centre Frequency (MHz)	Power Spectral Density (dBm)	Limit
802.11ax-HE20	NII-I	5180	9.759	11 dBm/MHz
		5200	9.780	
		5240	9.942	
	NII-2A	5260	9.731	
		5300	9.744	
		5320	9.856	
	NII-2C	5500	9.914	
		5580	9.632	
		5700	9.503	
		5720	9.923	
	NII-III ^{Note2}	5745	13.751	30dBm/500 kHz
		5785	13.797	
		5825	13.726	
802.11ax-HE40	NII-I	5190	7.897	11 dBm/MHz
		5230	7.642	
	NII-2A	5270	6.423	
		5310	6.358	
	NII-2C	5510	8.434	
		5550	8.205	
		5670	8.482	
		5710	9.936	
	NII-III ^{Note2}	5755	10.911	30dBm/500 kHz
		5795	10.864	
802.11ax-HE80	NII-I	5210	3.564	11 dBm/MHz
	NII-2A	5290	4.270	
	NII-2C	5530	5.776	
		5610	6.149	
		5690	7.209	
	NII-III ^{Note2}	5775	5.124	30dBm/500 kHz

Note 1: All results have been included cable loss and Simultaneous Factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

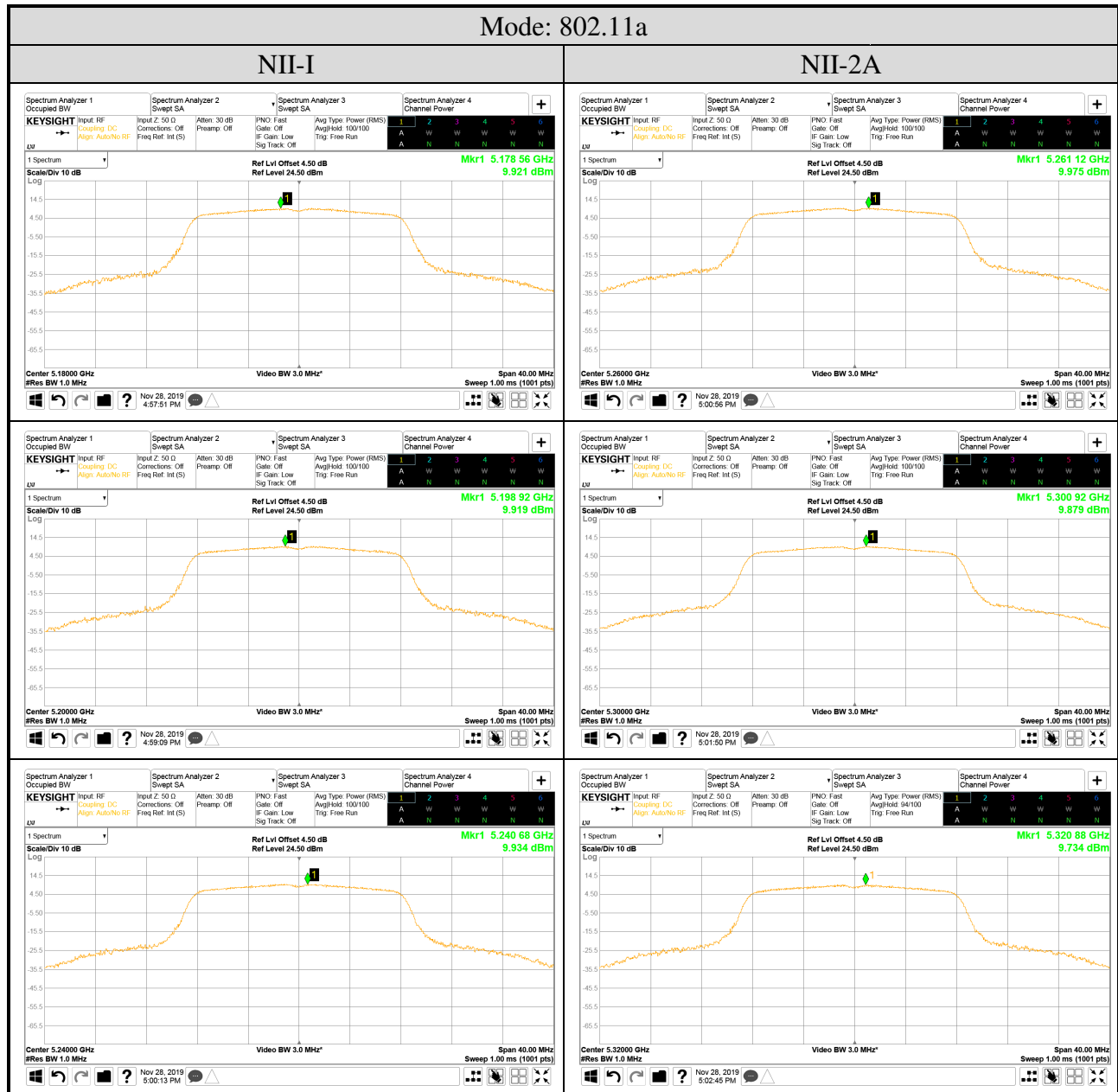
Mode	UNII Band	Centre Frequency (MHz)	RU Configuration	Power Spectral Density (dBm)	Limit
802.11ax-HE20	NII-I	5180	26/0	9.631	11 dBm/MHz
			52/37	9.983	
			106/53	9.776	
	NII-2A	5320	26/8	9.562	
			52/40	9.932	
			106/54	9.807	
	NII-2C	5500	26/0	9.827	
			52/37	9.929	
			106/53	9.818	
		5700	26/8	9.791	
			52/40	9.860	
			106/54	9.759	
	NII-III ^{Note2}	5745	26/0	17.451	30dBm/500 kHz
			52/37	16.318	
			106/53	12.676	
		5825	26/8	17.783	
			52/40	16.725	
			106/54	13.243	
802.11ax-HE40	NII-I	5190	242/61	9.833	11 dBm/MHz
	NII-2A	5310	242/62	9.978	
	NII-2C	5510	242/61	9.845	
		5670	242/62	9.708	
	NII-III ^{Note2}	5755	242/61	9.242	30dBm/500 kHz
		5795	242/62	11.294	
802.11ax-HE80	NII-I	5210	484/65	4.618	11 dBm/MHz
	NII-2A	5290	484/66	3.319	
	NII-2C	5530	484/65	6.527	
		5610	484/66	4.910	
	NII-III ^{Note2}	5775	484/65	4.035	30dBm/500 kHz
			484/66	4.545	

Note 1: All results have been included cable loss and Simultaneous Factor.

Note 2: BWCF 6.99dB (100kHz converted to 500kHz) has been included in the test result.

A.5.2 Measurement Plots

Chipset: MT7668AUN



Mode: 802.11a

NII-2C

NII-III

