AUDIX Technology Corp.
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APPENDIX A

TEST PLOTS

(Model: mPAD-12……)

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AUDIX Technology Corp.
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A.1 EMISSION BANDWIDTH MEASUREMENT

Test Date	2016/06/08	Temp./Hum.	25℃/58%
Cable Loss	N/A	Test Voltage	AC 120V, 60Hz

A.1.1 Emission Bandwidth Result

Modulation Type	UNII Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit
802.11a	I	5180	18.91	16.235	Reference only
		5200	18.83	16.252	
		5240	19.37	16.261	
	II-2A	5260	20.50	16.314	
		5300	19.45	16.271	
		5320	19.41	16.249	
	II-2C	5500	19.23	16.255	
		5600	19.25	16.282	
		5700	19.22	16.238	
		5720	19.43	16.248	
802.11ac-VHT20	I	5180	25.11	17.963	Reference only
		5200	32.18	18.192	
		5240	39.37	19.063	
	II-2A	5260	39.77	19.403	
		5300	31.04	18.141	
		5320	24.81	17.985	
	II-2C	5500	22.47	17.857	
		5600	26.53	18.013	
		5700	22.53	17.903	
		5720	22.33	17.865	

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Modulation Type	UNII Band	Centre Frequency (MHz)	26dB Bandwidth (MHz)	99% Occupied Bandwidth (MHz)	Limit
802.11ac-VHT40	I	5190	43.87	36.425	Reference only
		5230	76.67	37.674	
	II-2A	5270	77.77	37.588	
		5310	44.10	36.538	
	II-2C	5510	43.56	36.469	
		5590	61.07	36.889	
		5670	71.70	37.175	
		5710	43.84	36.500	
802.11ac-VHT80	I	5210	86.75	76.216	Reference only
	II-2A	5290	88.82	76.264	
	II-2C	5530	87.39	76.163	
		5610	123.10	78.093	
		5690	96.24	76.373	

Modulation Type	UNII Band	Centre Frequency (MHz)	6dB Bandwidth (MHz)	Limit
802.11a	III	5745	15.98	≥ 500kHz
		5785	15.93	
		5825	15.92	
802.11ac-VHT20	III	5745	17.77	
		5785	17.78	
		5825	17.75	
802.11ac-VHT40	III	5755	36.42	
		5795	36.49	
802.11ac-VHT80	III	5775	76.07	

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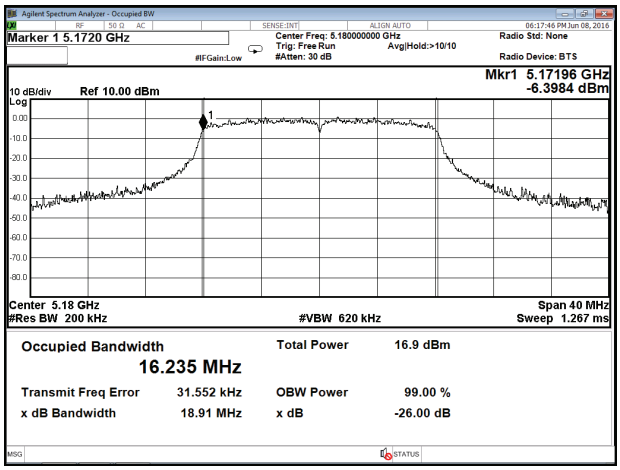
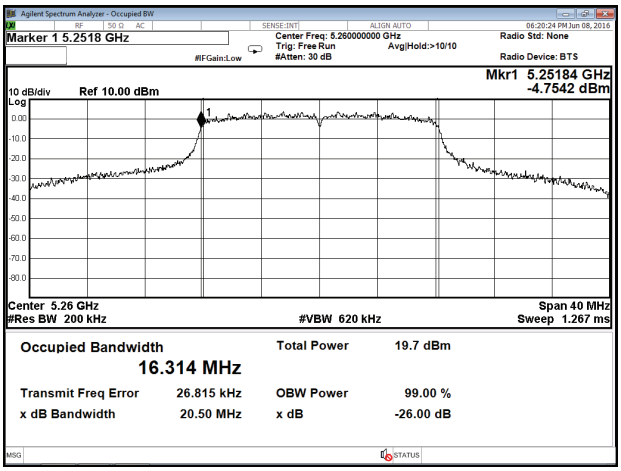
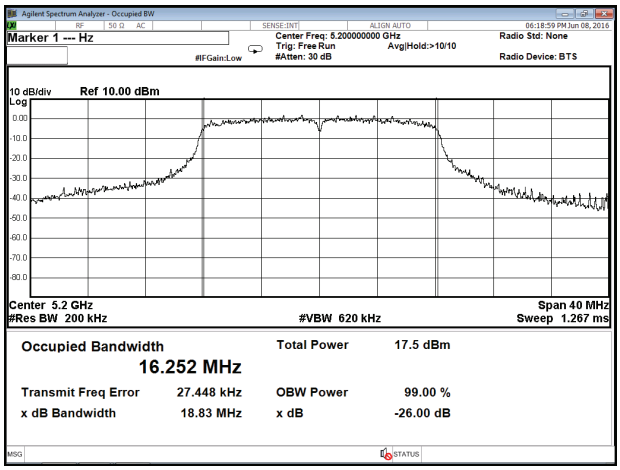
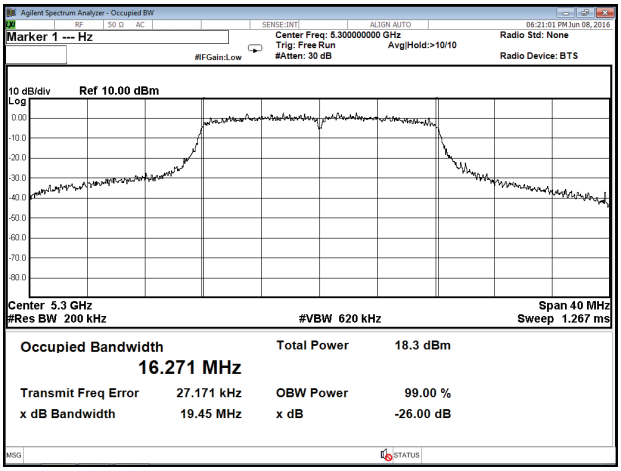
A.1.2 Measurement Plots

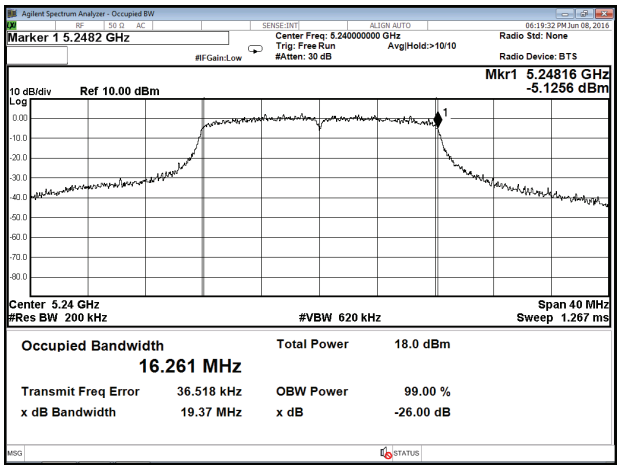
802.11a	
UNII Band I	UNII Band II-2A

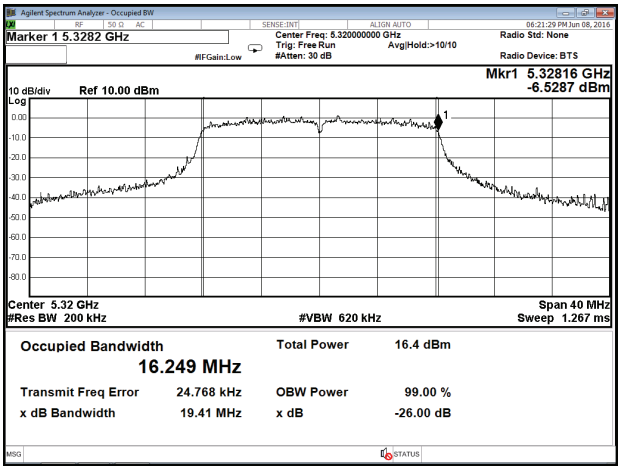












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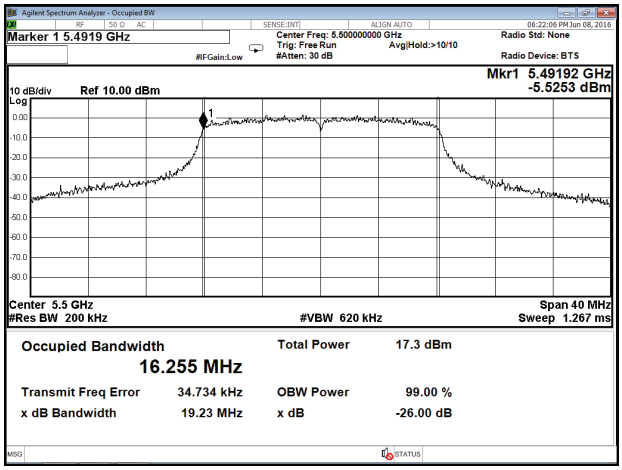
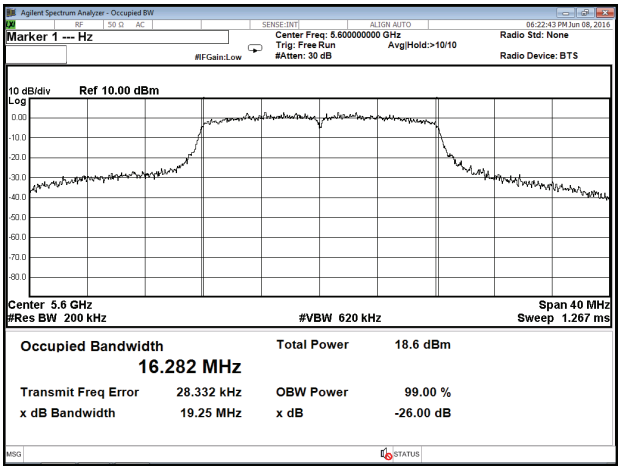
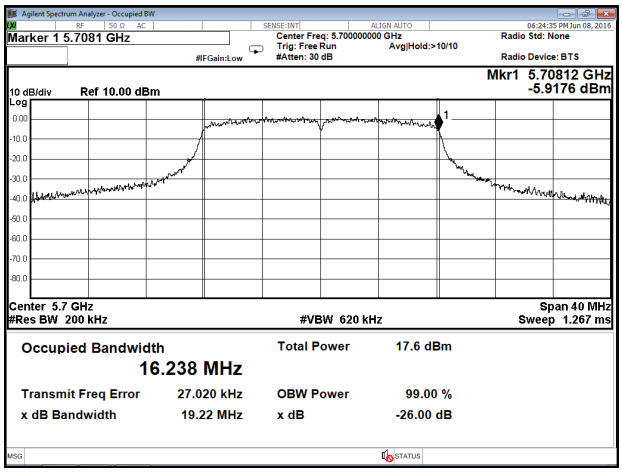
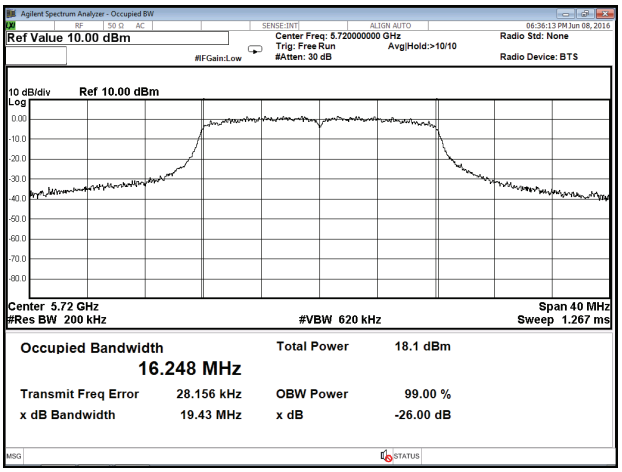
802.11a

UNII Band II-2C









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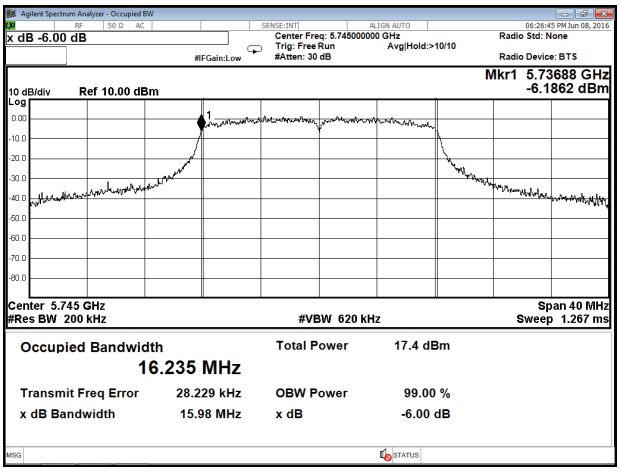
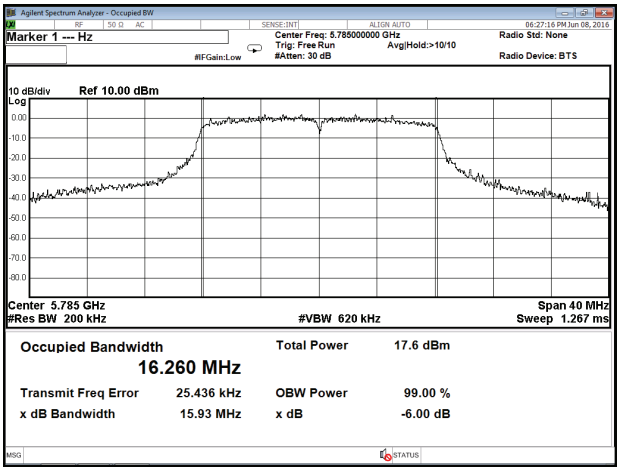
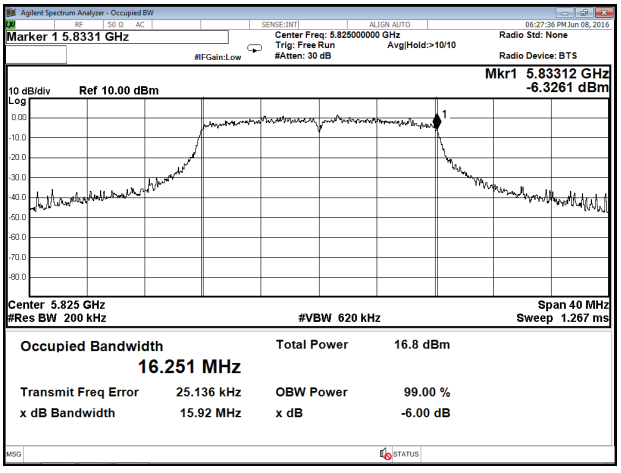
802.11a

UNII Band III







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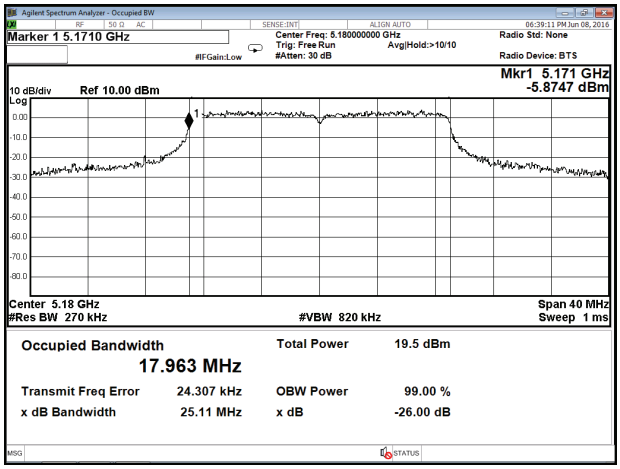
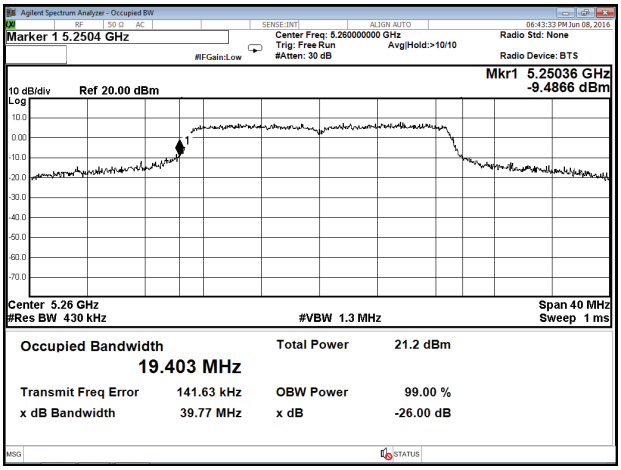
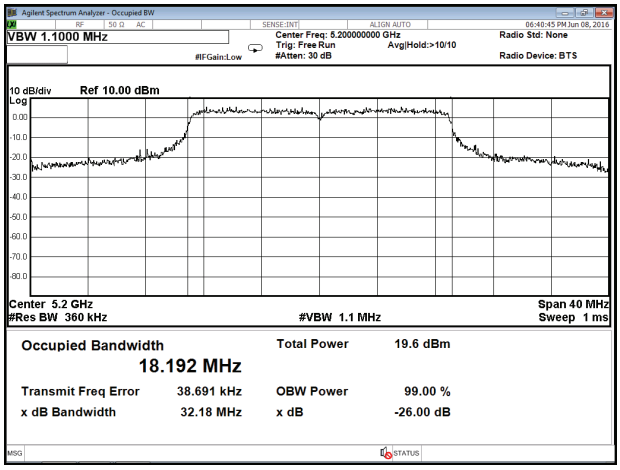
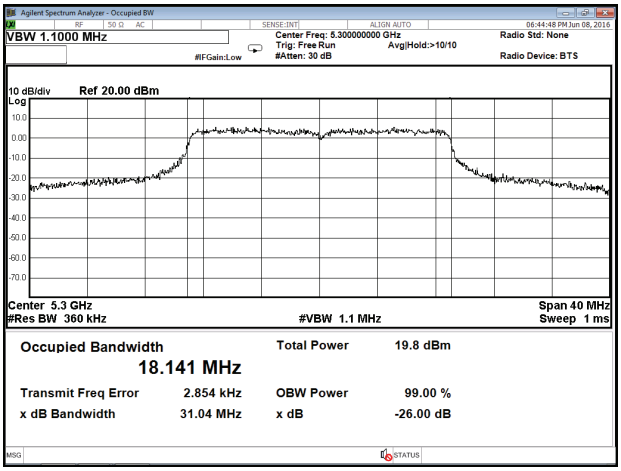
802.11ac-VHT20

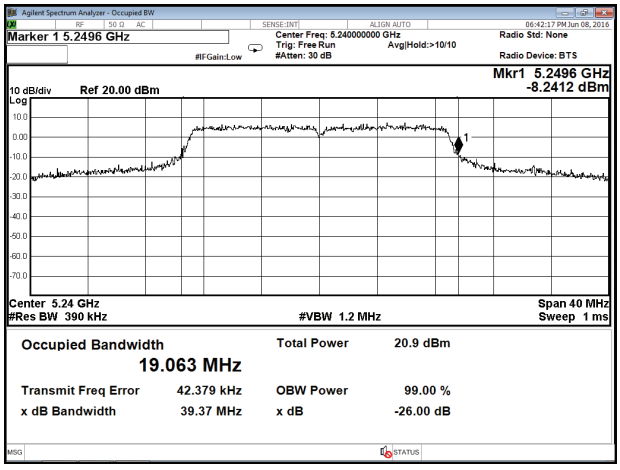
UNII Band I

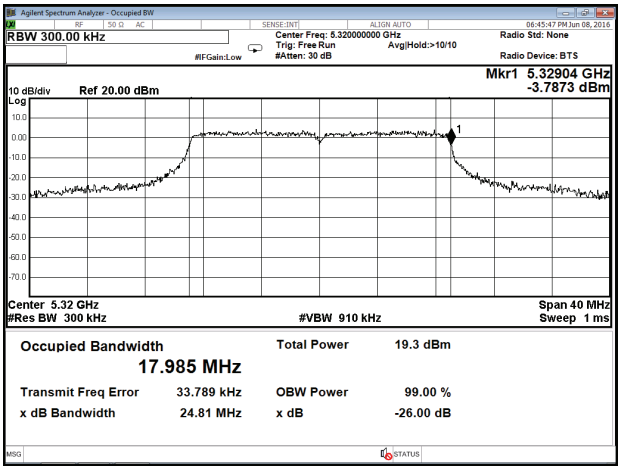












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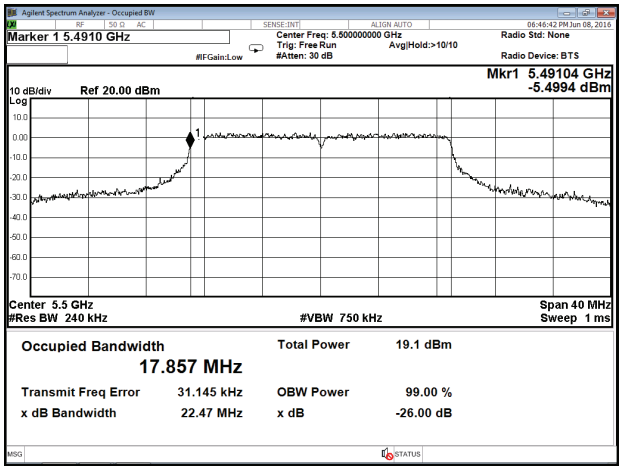
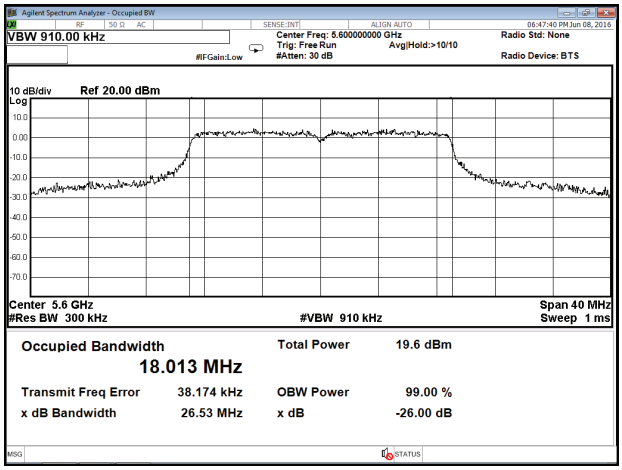
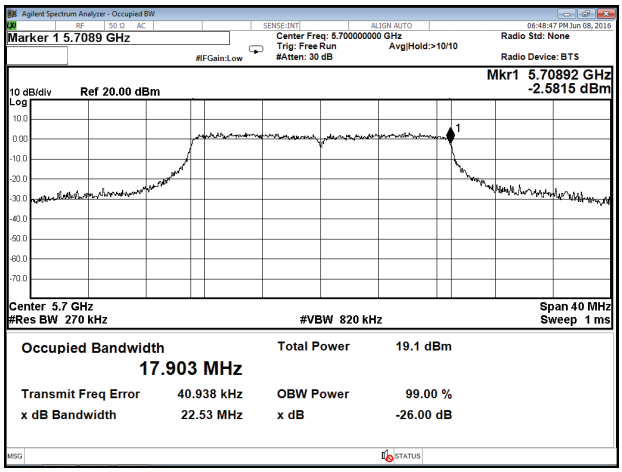
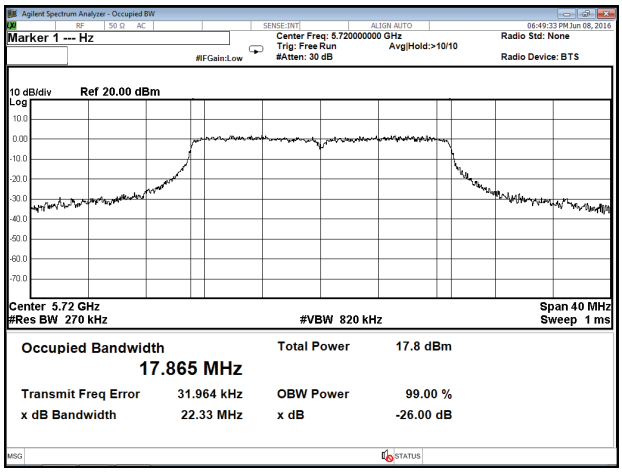
802.11ac-VHT20

UNII Band II-2C









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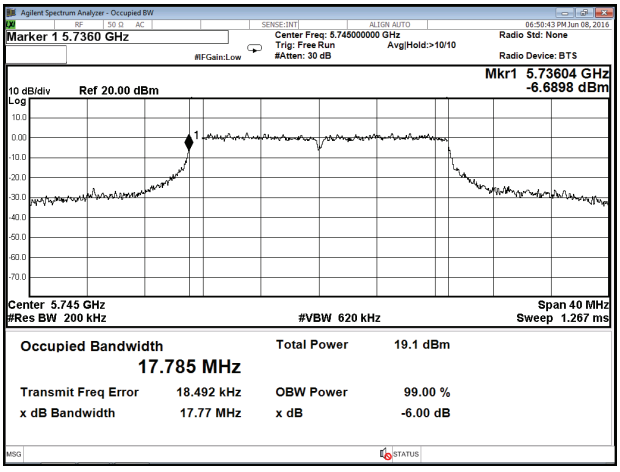
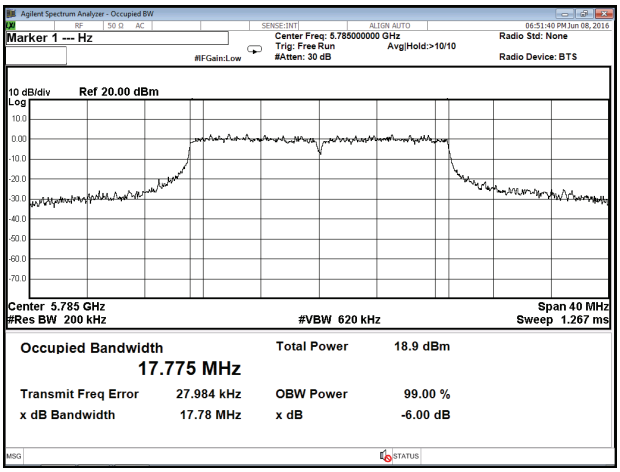
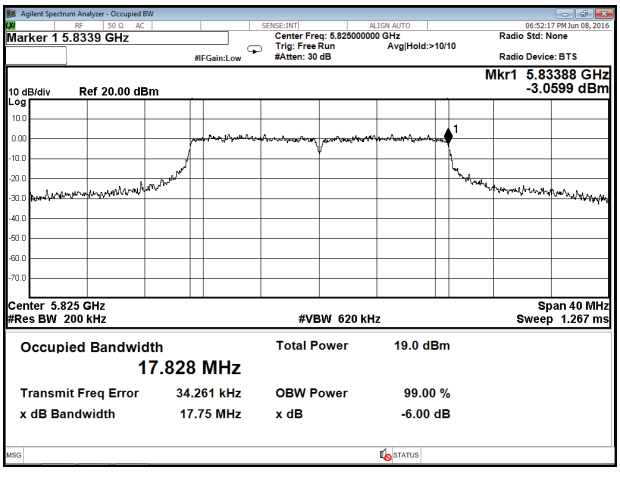
802.11ac-VHT20
UNII Band III







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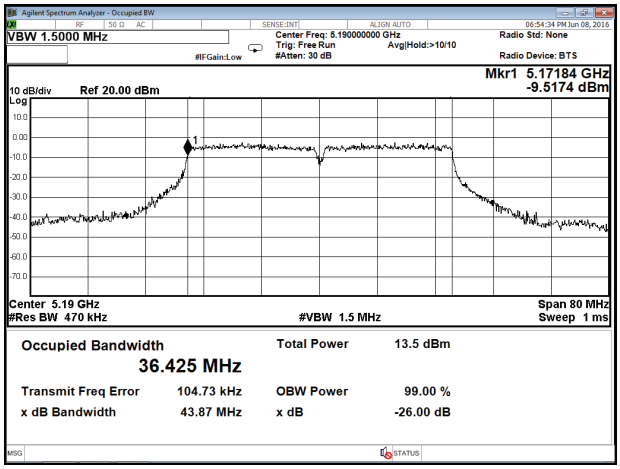
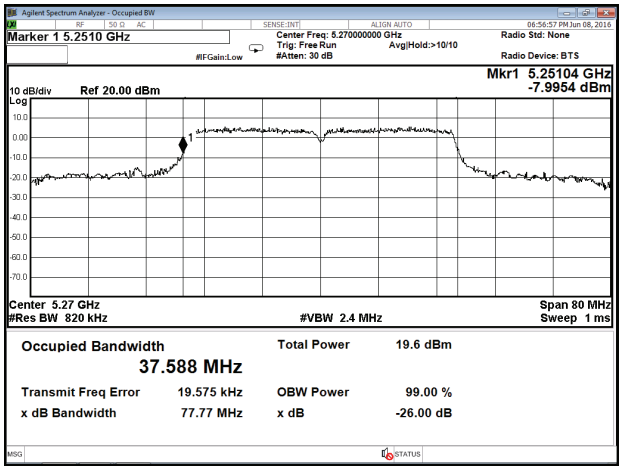
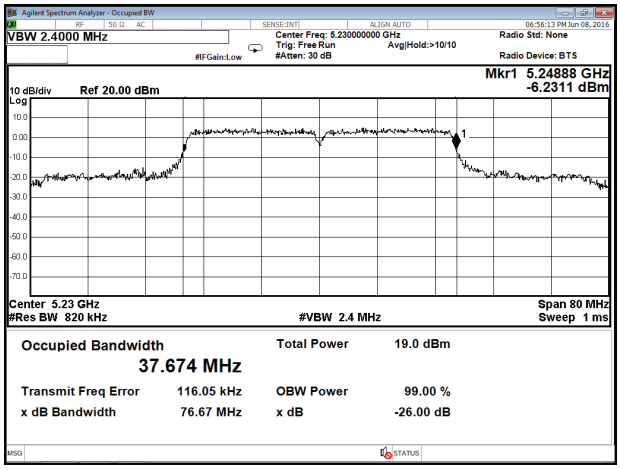
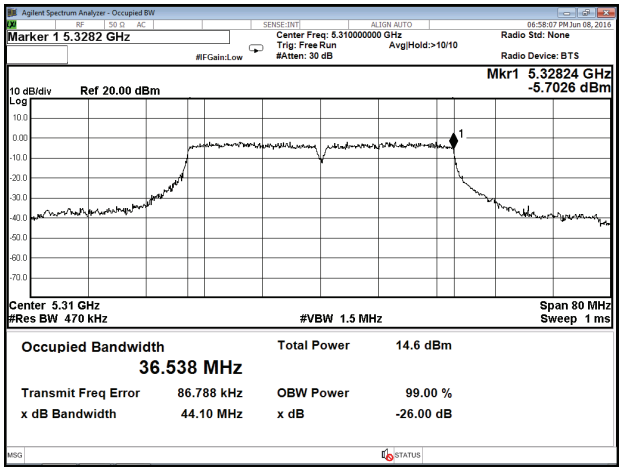
802.11ac-VHT40	
UNII Band I	UNII Band II-2A









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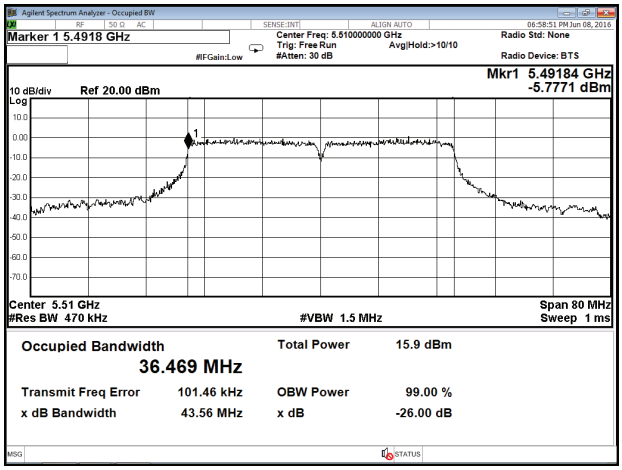
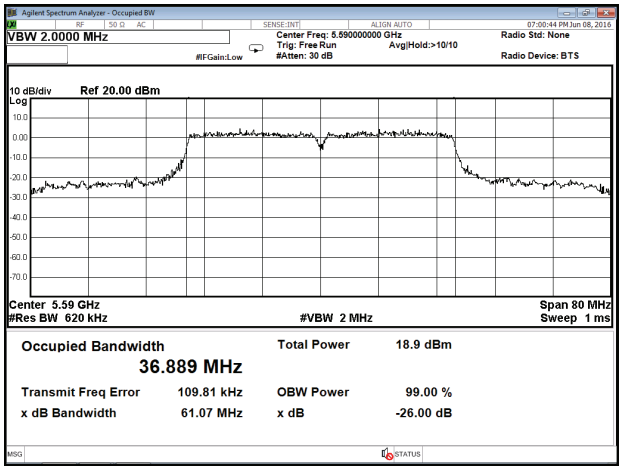
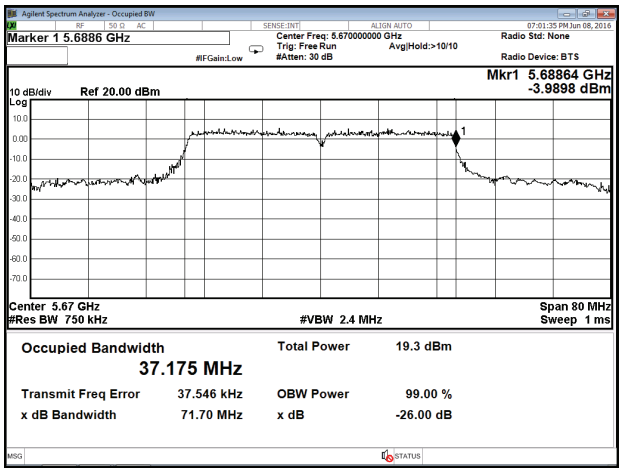
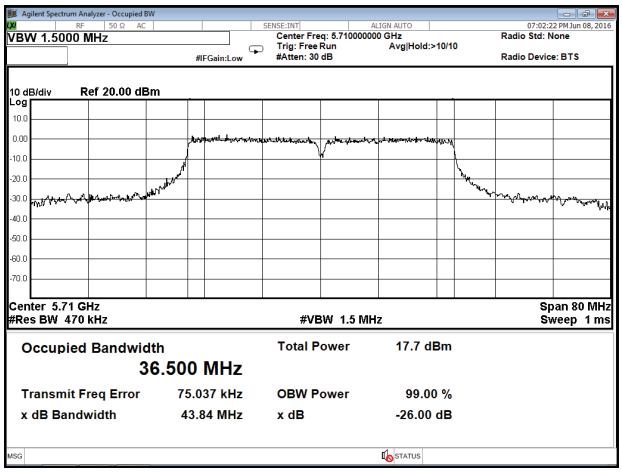
802.11ac-VHT40	
UNII Band II-2C	









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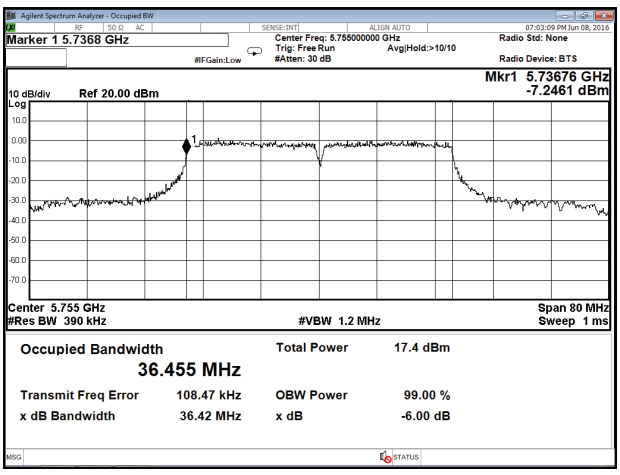
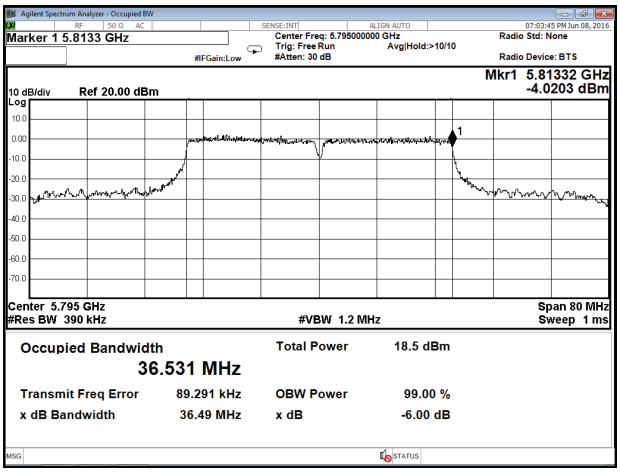
802.11ac-VHT40

UNII Band III





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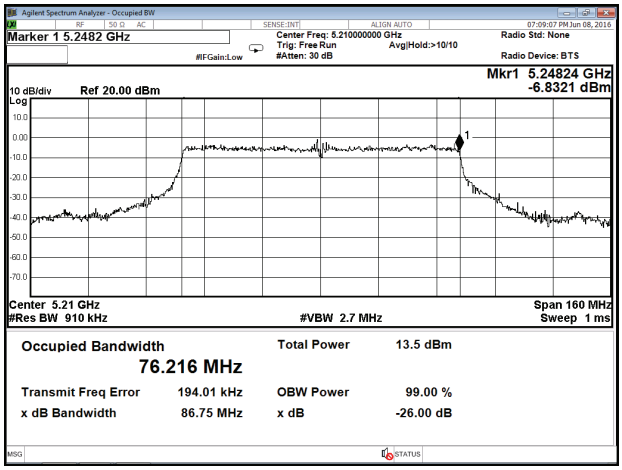
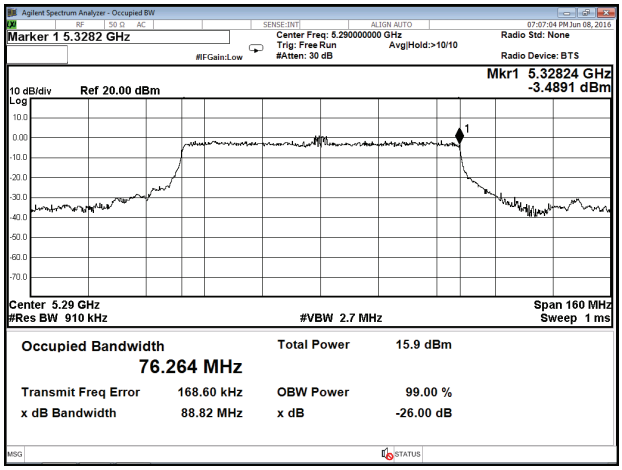
802.11ac-VHT80

UNII Band I



UNII Band II-2A



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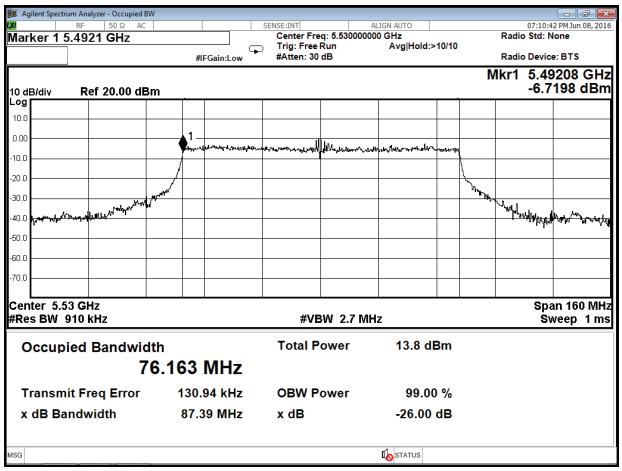

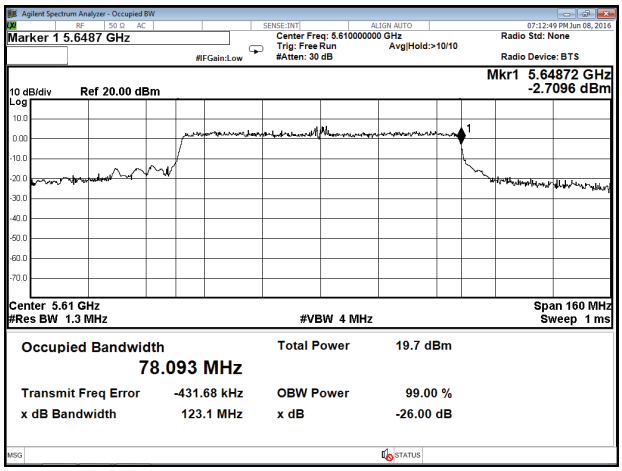

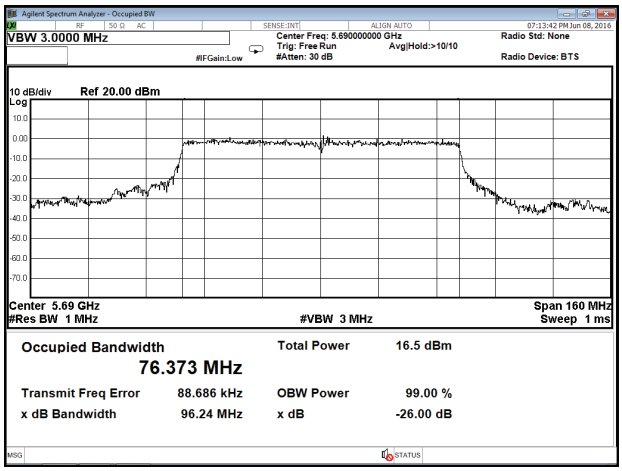

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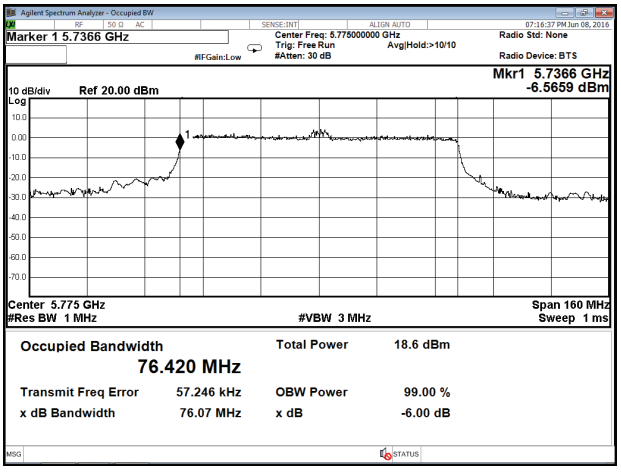
802.11ac-VHT80
UNII Band III



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A.2 MAXIMUM OUTPUT POWER MEASUREMENT

A.2.1 Emission Bandwidth Result

Test Date	2016/06/06 ~ 20	Temp./Hum.	25℃/58%
Cable Loss	N/A	Test Voltage	AC 120V, 60Hz

Modulation Type	UNII Band	Centre Frequency (MHz)	Output Power		10log (1/X)	MAX Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11a	I	5180	14.07	13.66	0.22	**16.90**	0.048978	< 250 mW (24 dBm)
		5200	14.76	14.54		**17.68**	0.058614	
		5240	15.22	14.11		**17.73**	0.059293	
	II-2A	5260	15.45	15.10		**18.30**	0.067608	
		5300	14.86	15.32		**18.12**	0.064863	
		5320	13.38	13.23		**16.34**	0.043053	
	II-2C	5500	14.11	12.60		**16.45**	0.044157	
		5600	15.15	15.27		**18.24**	0.066681	
		5700	13.10	12.63		**15.91**	0.038994	
		5720	10.69	11.17		**13.99**	0.025061	
	III	5720	3.72	3.77		**6.96**	0.004966	< 1 W (30 dBm)
		5745	13.80	13.15		**16.52**	0.044875	
		5785	15.29	14.96		**18.15**	0.065313	
		5825	15.35	14.51		**17.98**	0.062806	

Note: The results have been included cable loss.

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Modulation Type	UNII Band	Centre Frequency (MHz)	Output Power		10log (1/X)	MAX Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11ac-VHT20	I	5180	14.56	14.74	1.67	**17.78**	0.059979	< 250 mW (24 dBm)
		5200	14.70	15.04		**18.00**	0.063096	
		5240	15.37	15.63		**18.61**	0.072611	
	II-2A	5260	15.22	15.46		**18.46**	0.070146	
		5300	14.37	15.14		**17.90**	0.061660	
		5320	13.85	14.30		**17.23**	0.052845	
	II-2C	5500	14.15	13.17		**16.85**	0.048417	
		5600	14.29	14.47		**17.52**	0.056494	
		5700	12.93	13.08		**16.19**	0.041591	
		5720	9.66	9.32		**12.89**	0.019454	
	III	5720	3.96	4.16		**8.30**	0.006761	< 1 W (30 dBm)
		5745	13.50	13.22		**16.54**	0.045082	
		5785	14.04	13.64		**17.00**	0.050119	
		5825	14.90	14.36		**17.77**	0.059841	
802.11ac-VHT40	I	5190	8.15	7.82	2.60	**13.59**	0.022856	< 250 mW (24 dBm)
		5230	13.62	13.75		**19.29**	0.084918	
	II-2A	5270	13.46	13.37		**19.02**	0.079799	
		5310	8.10	8.72		**14.03**	0.025293	
	II-2C	5510	8.36	9.69		**14.68**	0.029376	
		5590	13.31	13.71		**19.12**	0.081658	
		5670	12.62	12.72		**18.28**	0.067298	
		5710	9.60	9.74		**15.28**	0.033729	
	III	5710	-0.13	-0.51		**5.29**	0.003381	< 1 W (30 dBm)
		5755	11.63	11.71		**17.28**	0.053456	
		5795	13.30	13.07		**18.79**	0.075683	

Note: The results have been included cable loss.

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Modulation Type	UNII Band	Centre Frequency (MHz)	Output Power		10log (1/X)	MAX Output Power		Limit
			Chain 0	Chain 1		(dBm)	(W)	
802.11ac-VHT80	I	5210	6.58	7.11	3.47	**12.46**	0.017620	< 250 mW (24 dBm)
	II-2A	5290	8.64	9.60		**14.75**	0.029854	
	II-2C	5530	6.95	7.48		**12.83**	0.019187	
		5610	13.11	13.93		**19.15**	0.082224	
		5690	8.12	8.24		**13.79**	0.023933	
	III	5690	-4.92	-6.34		**0.04**	0.001009	< 1 W (30 dBm)
		5775	10.64	10.71		**16.28**	0.042462	

Note: The results have been included cable loss.

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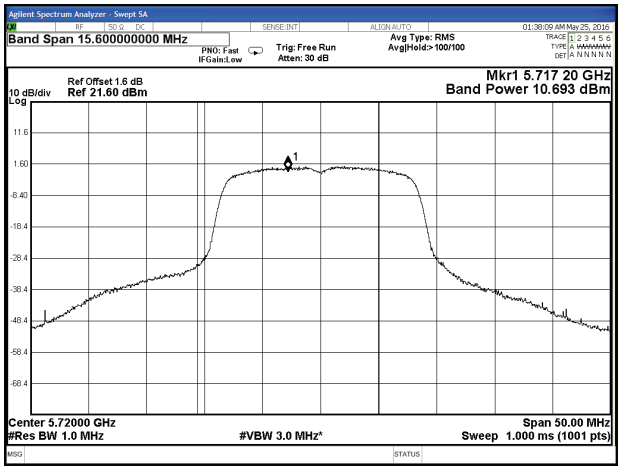
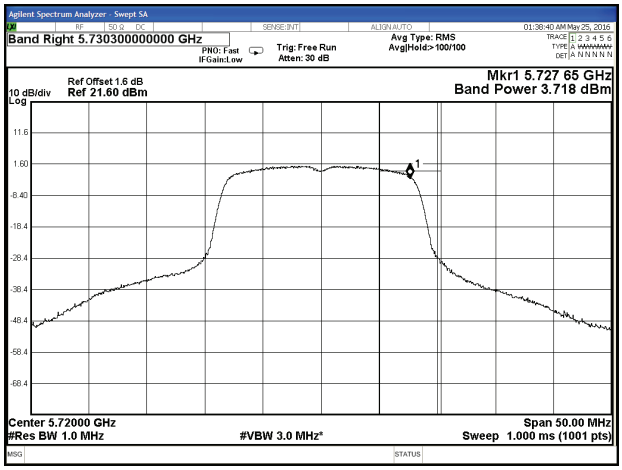
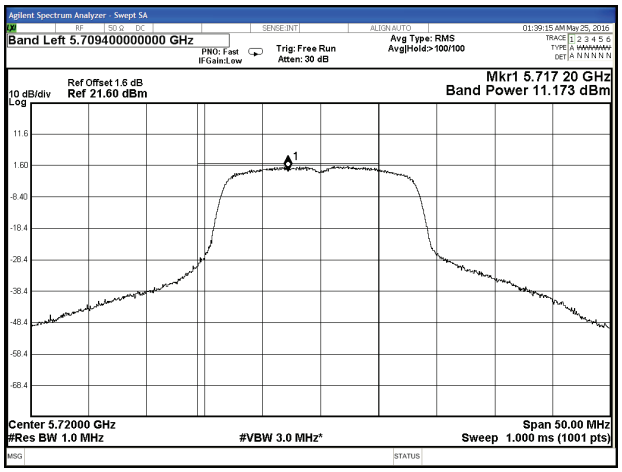
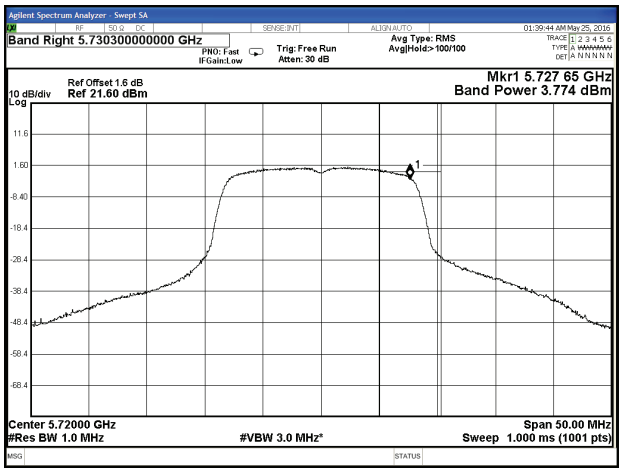
802.11a	
UNII Band II-2C	UNII Band III









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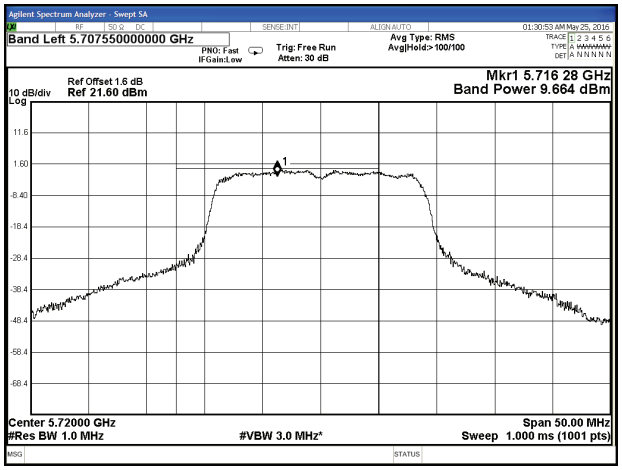
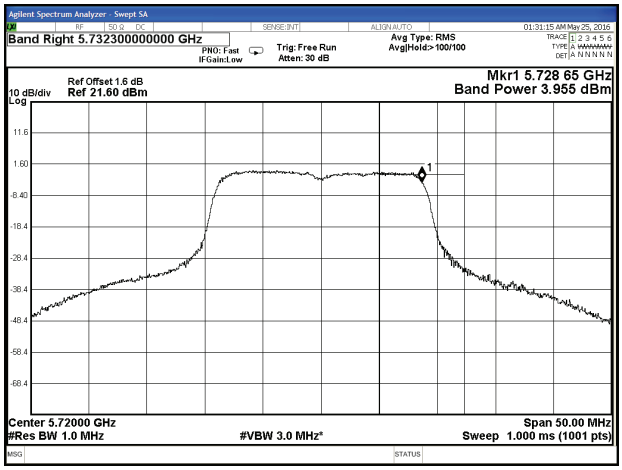
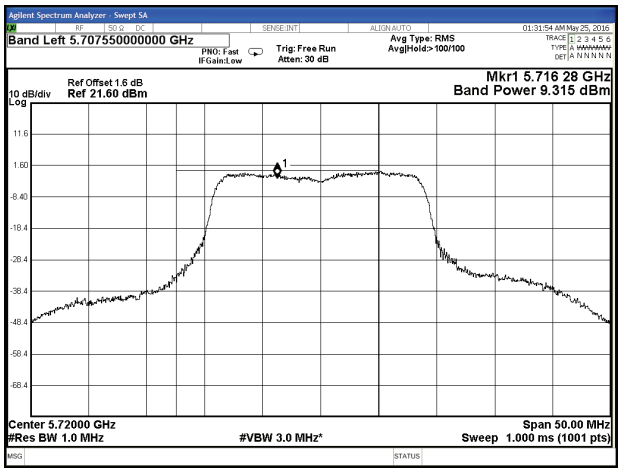
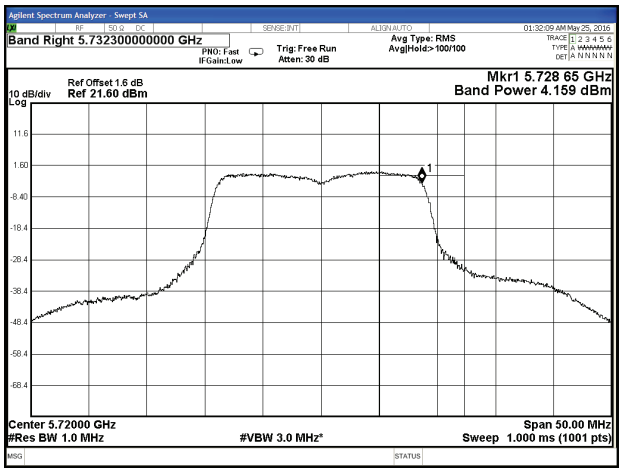
802.11ac-VHT20	
UNII Band II-2C	UNII Band III









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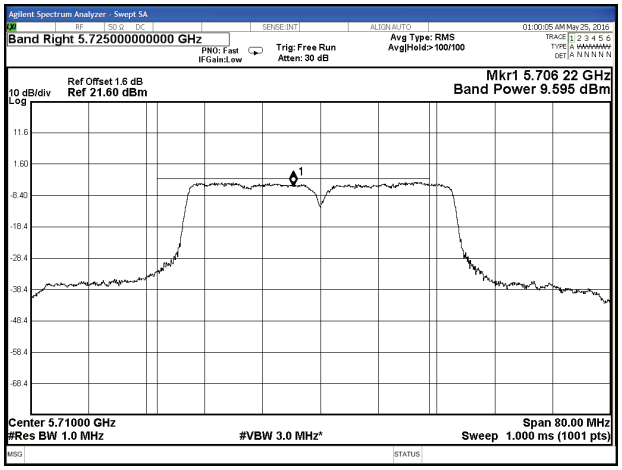
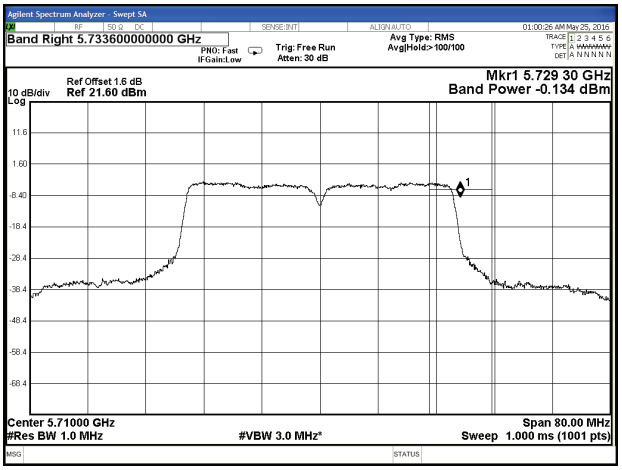
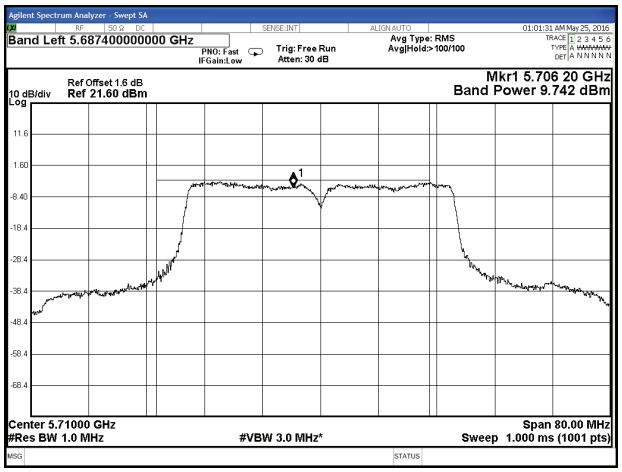
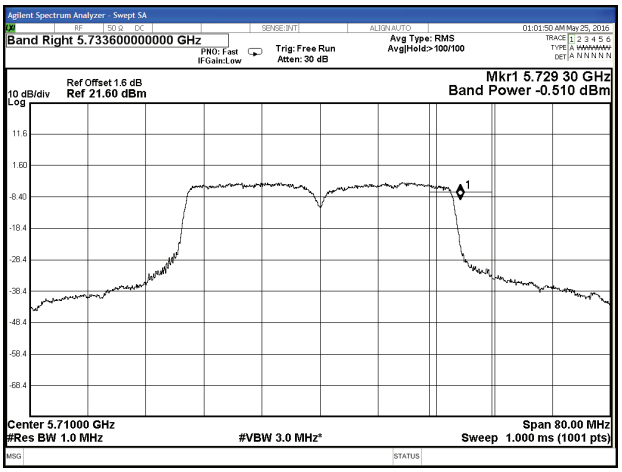
802.11ac-VHT40	
UNII Band II-2C	UNII Band III









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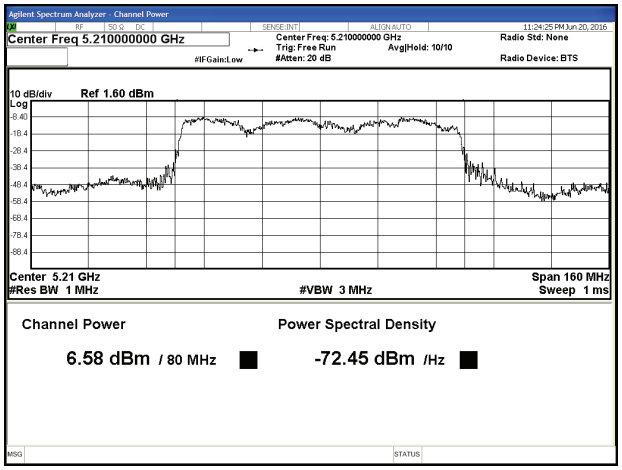
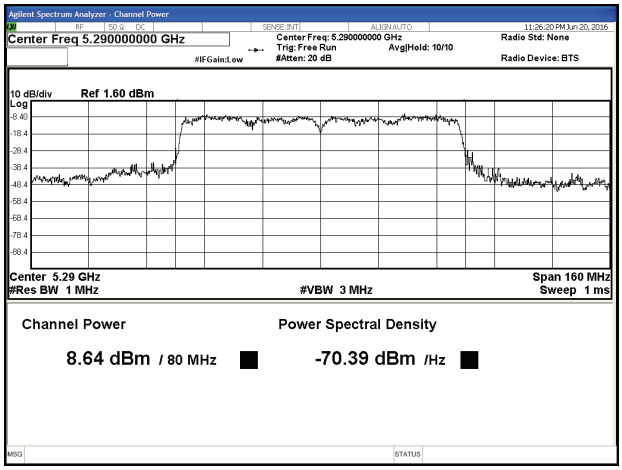
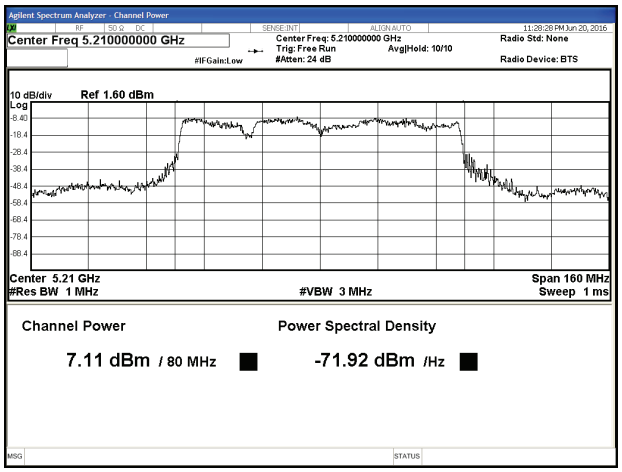
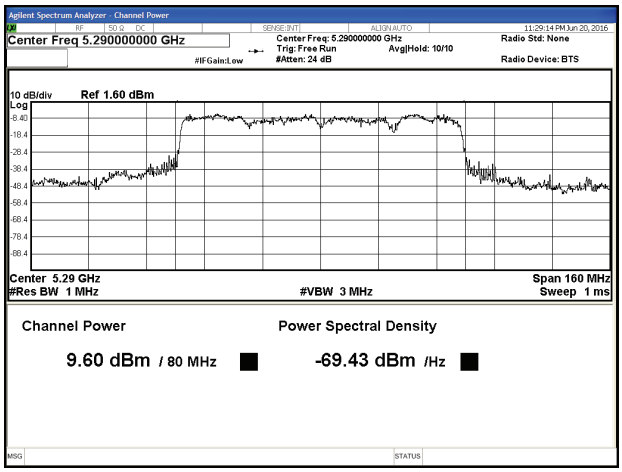
802.11ac-VHT80	
UNII Band I	UNII Band II-2A









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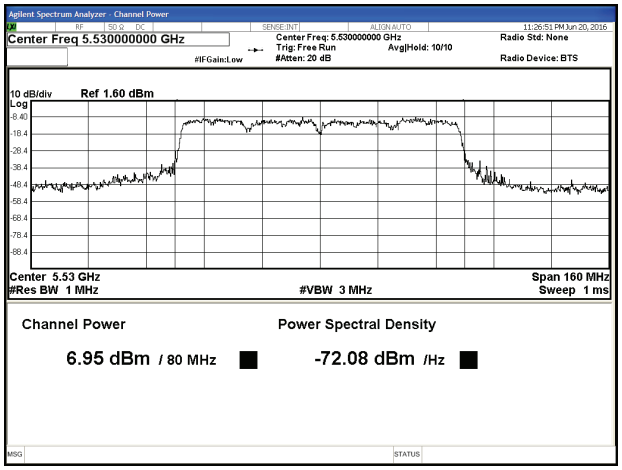
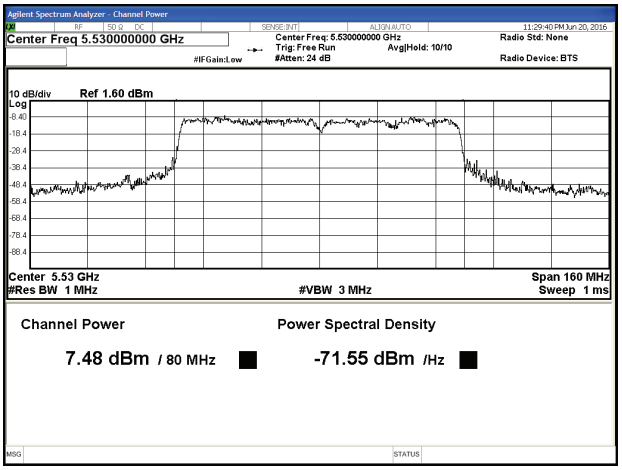
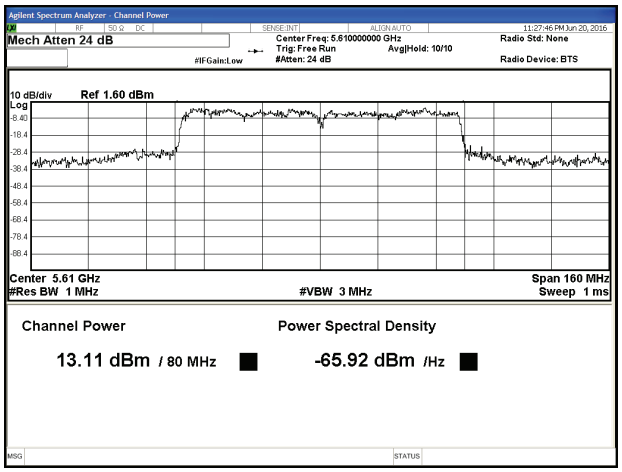
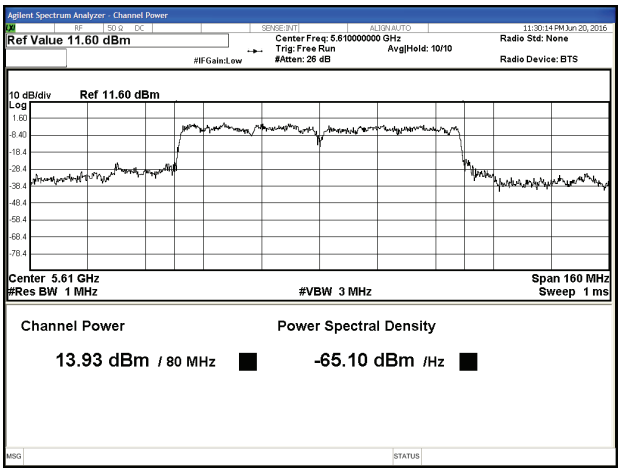
802.11ac-VHT80

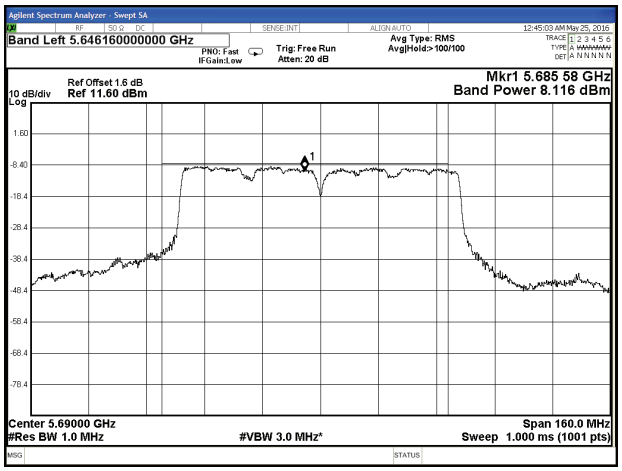
UNII Band II-2C

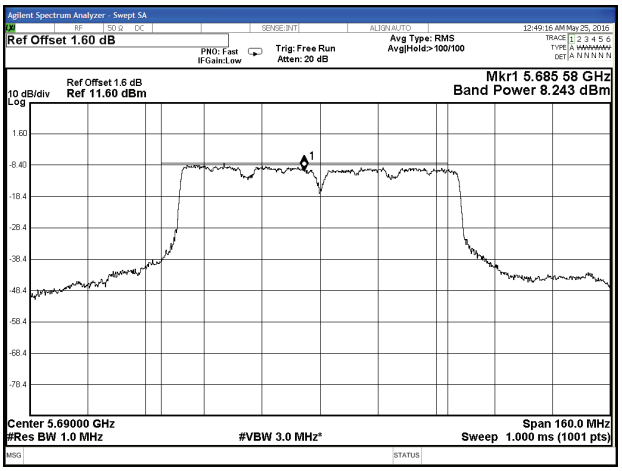












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802.11ac-VHT80	
UNII Band III