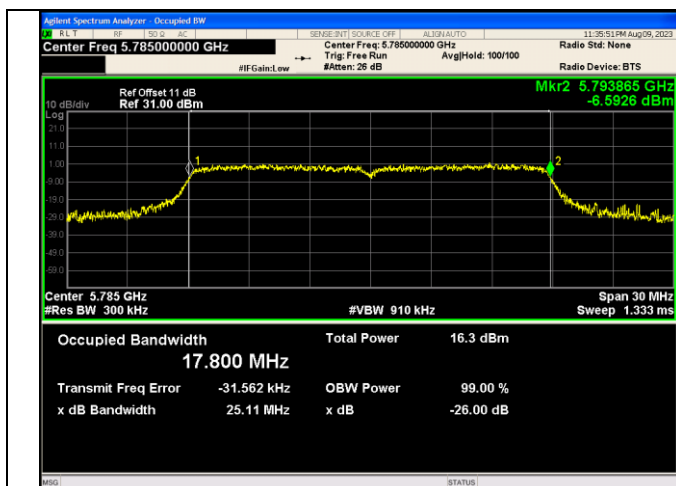
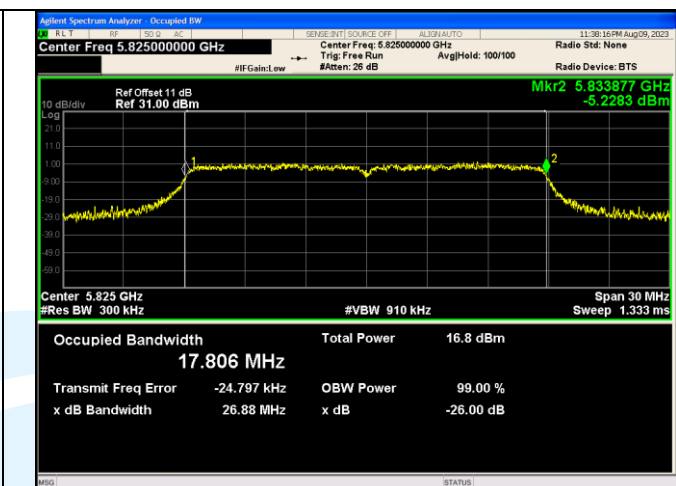
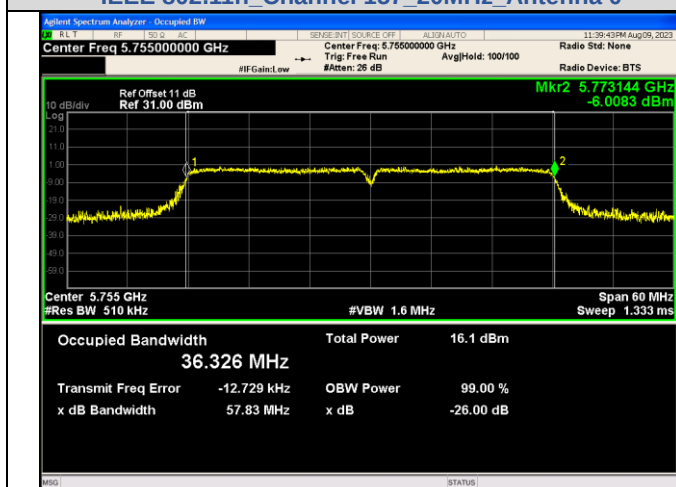




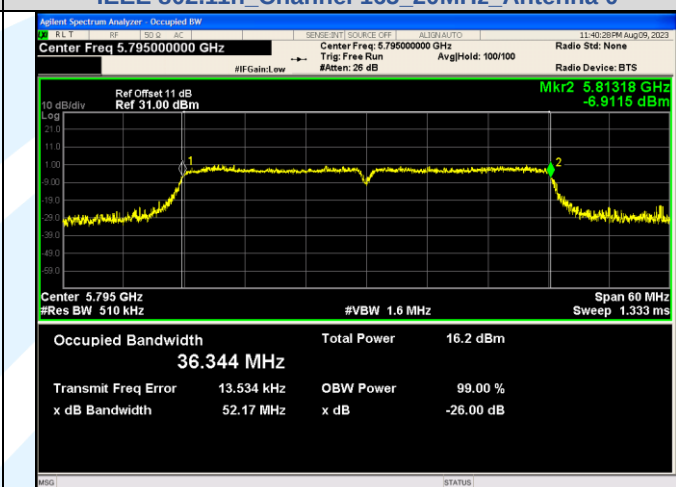
IEEE 802.11n Channel 157 20MHz Antenna 0



IEEE 802.11n Channel 165 20MHz Antenna 0



IEEE 802.11n Channel 151 40MHz Antenna 0



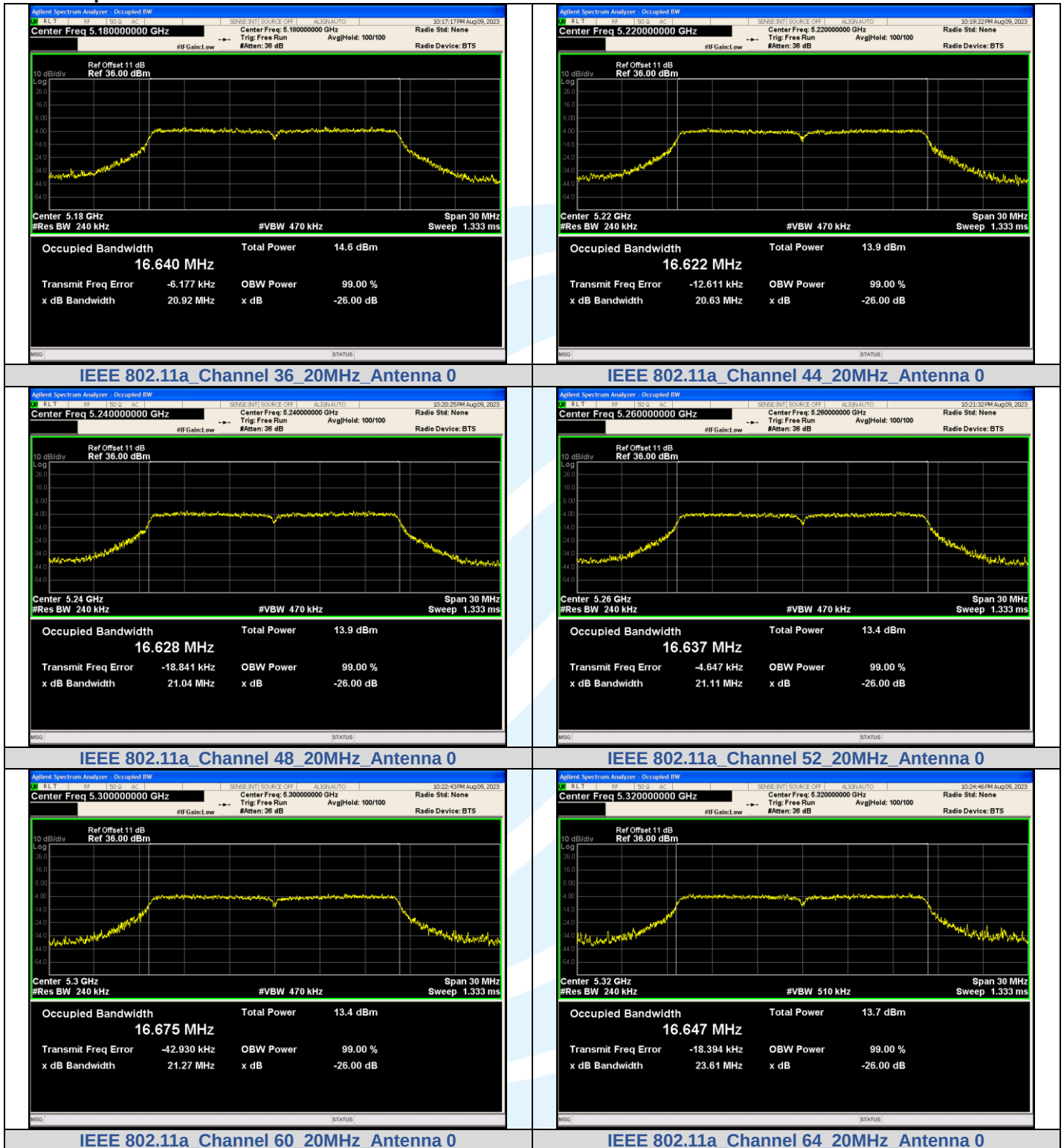
IEEE 802.11n Channel 159 40MHz Antenna 0

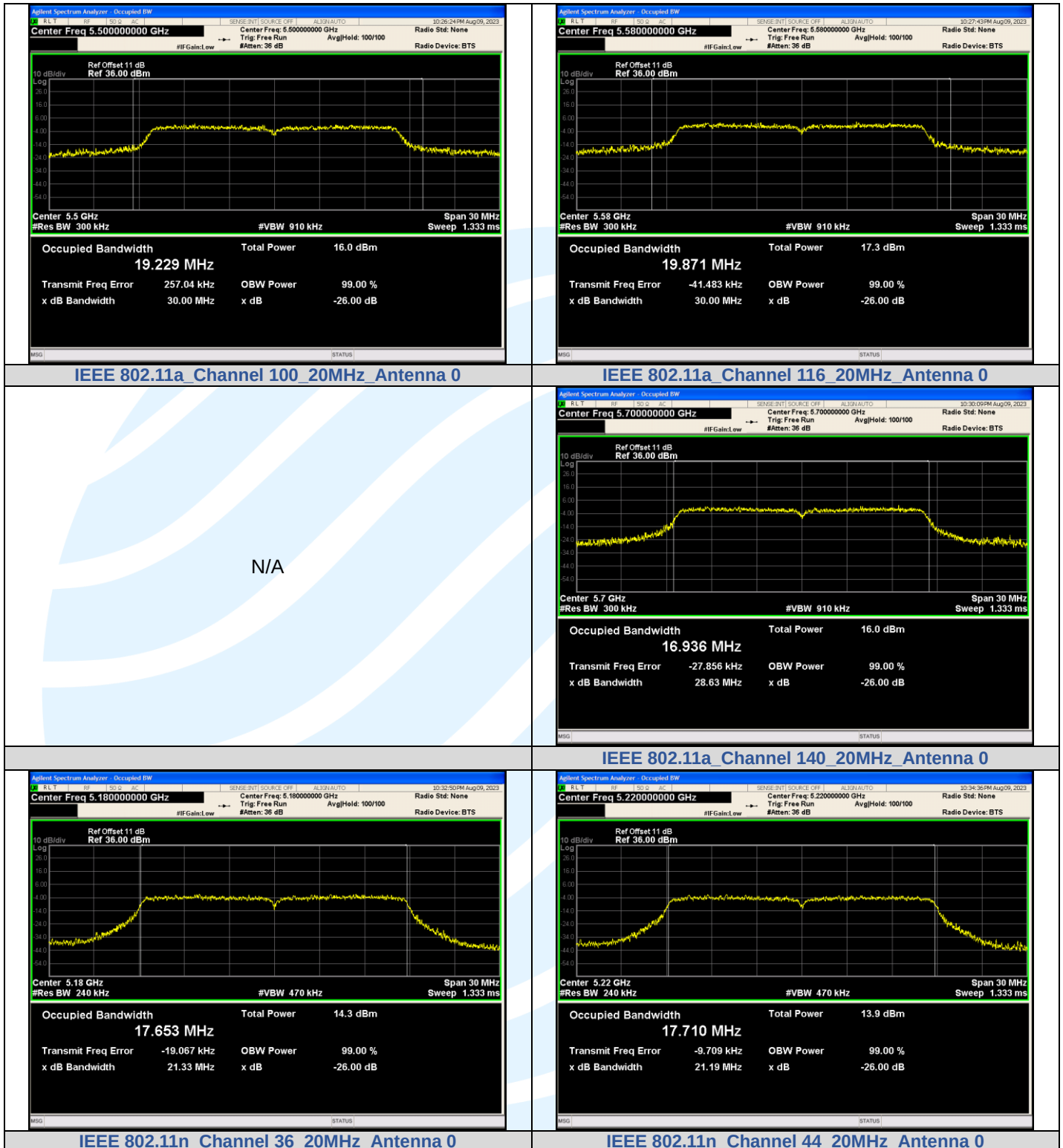
A.2 26DB BANDWIDTH

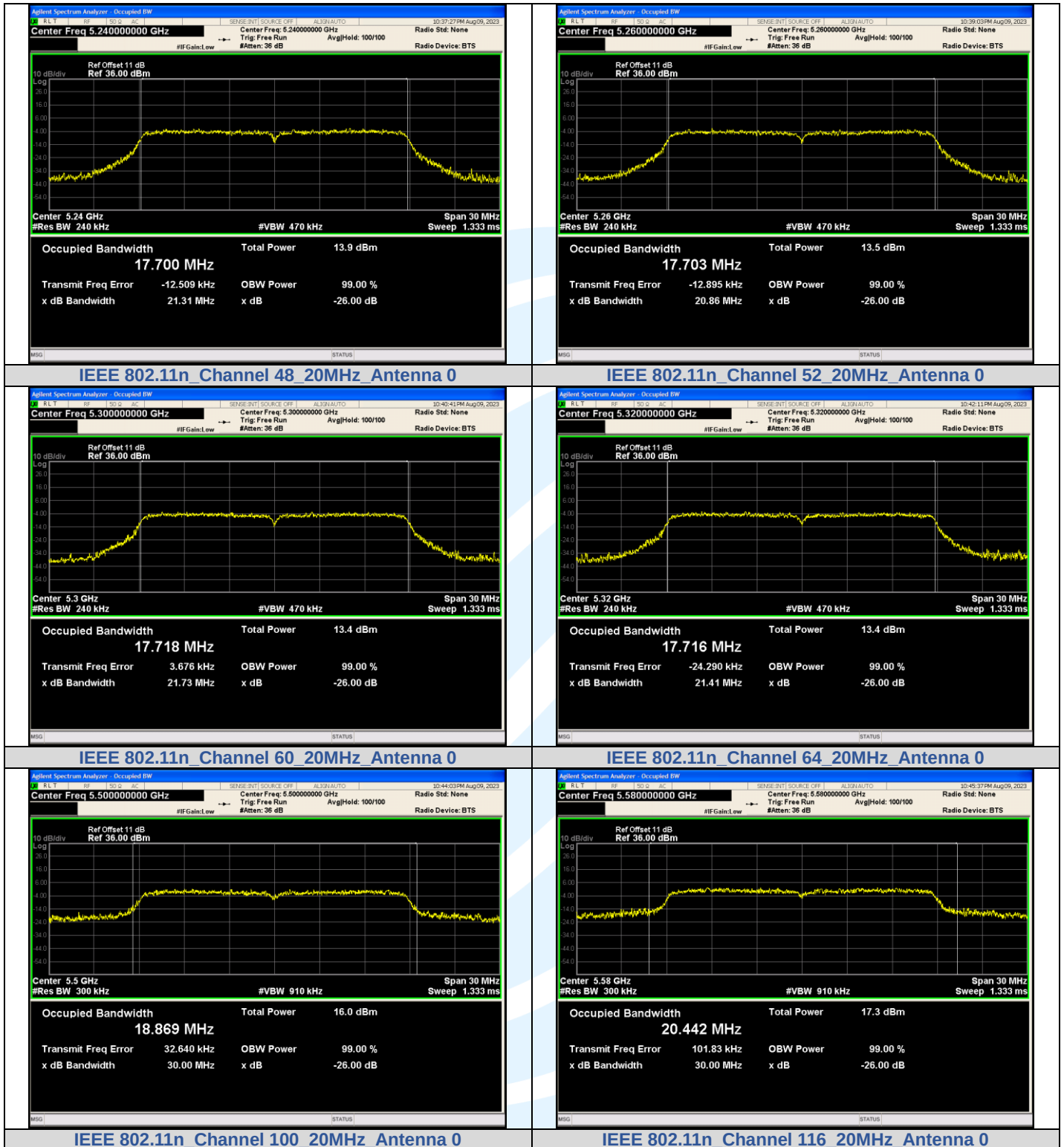
For U-NII-1, U-NII-2A, U-NII-2C band

Mode	Channel	Ant.	Center Frequency (MHz)	26 dB Bandwidth (MHz)	RBW/EBW
IEEE 802.11a	36	0	5180	20.92	1.11
	44		5220	20.63	1.14
	48		5240	21.04	1.1
	52		5260	21.11	1.1
	60		5300	21.27	1.09
	64		5320	23.61	1.07
	100		5500	30.00	1.0
	116		5580	30.00	1.0
	140		5700	28.63	1.05
	36		5180	21.33	1.11
IEEE 802.11n_20	44		5220	21.19	1.11
	48		5240	21.31	1.1
	52		5260	20.86	1.13
	60		5300	21.73	1.09
	64		5320	21.41	1.11
	100		5500	30.00	1.0
	116		5580	30.00	1.0
	140		5700	29.97	1.0
	38		5190	42.04	1.04
	46		5230	41.45	1.06
IEEE 802.11n_40	54		5270	41.97	1.06
	62		5310	41.81	1.05
	102		5510	60.00	1.03
	110		5550	60.00	1.03
	134		5670	59.78	1.04

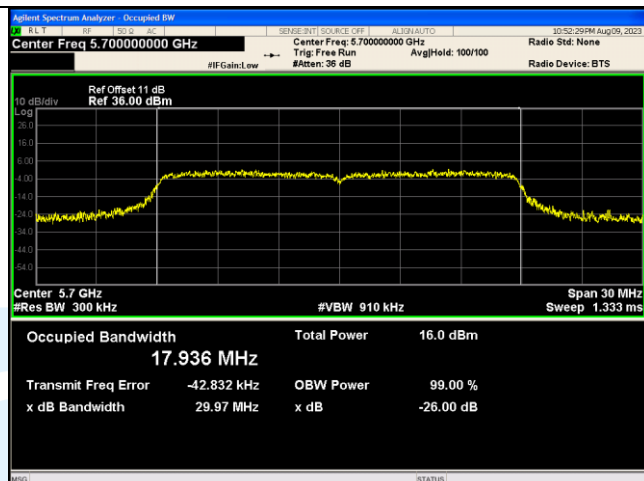
Test Graphs



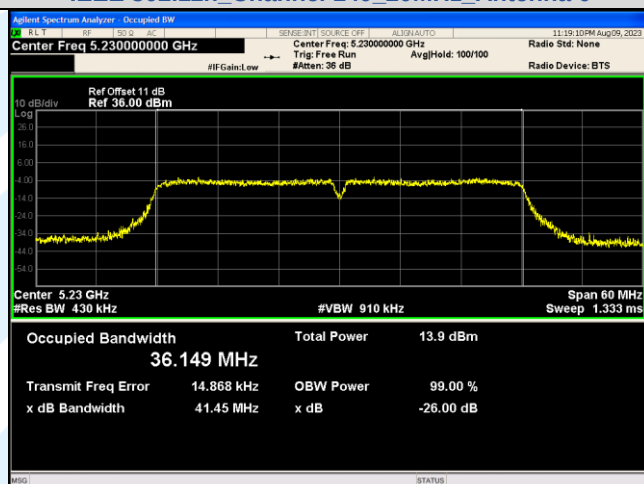
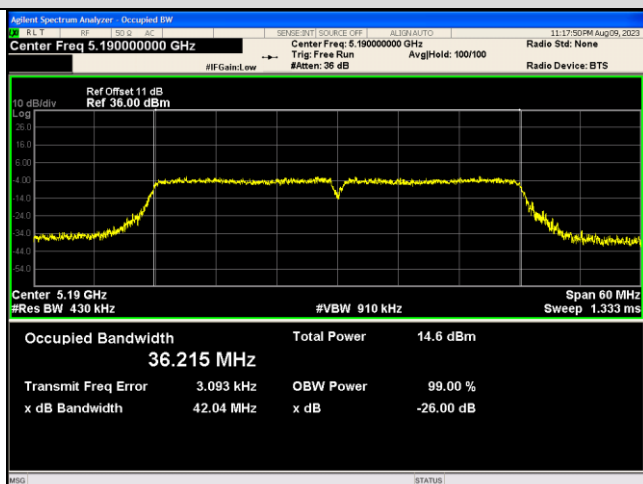




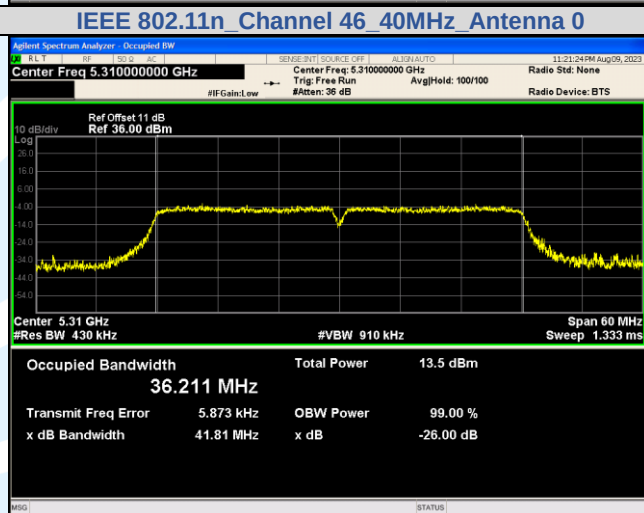
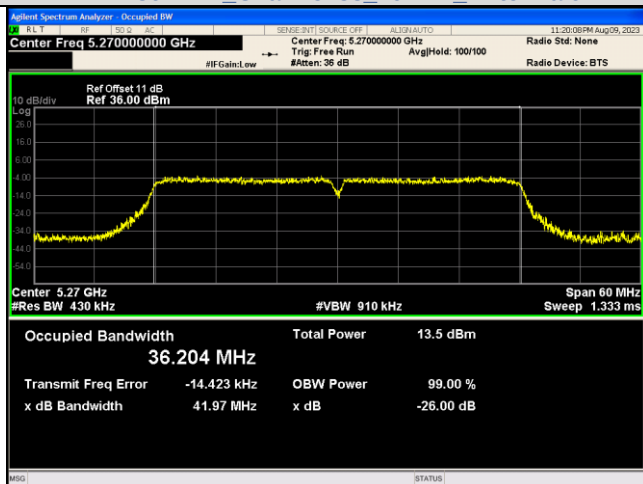
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IEEE 802.11n Channel 140 20MHz Antenna 0

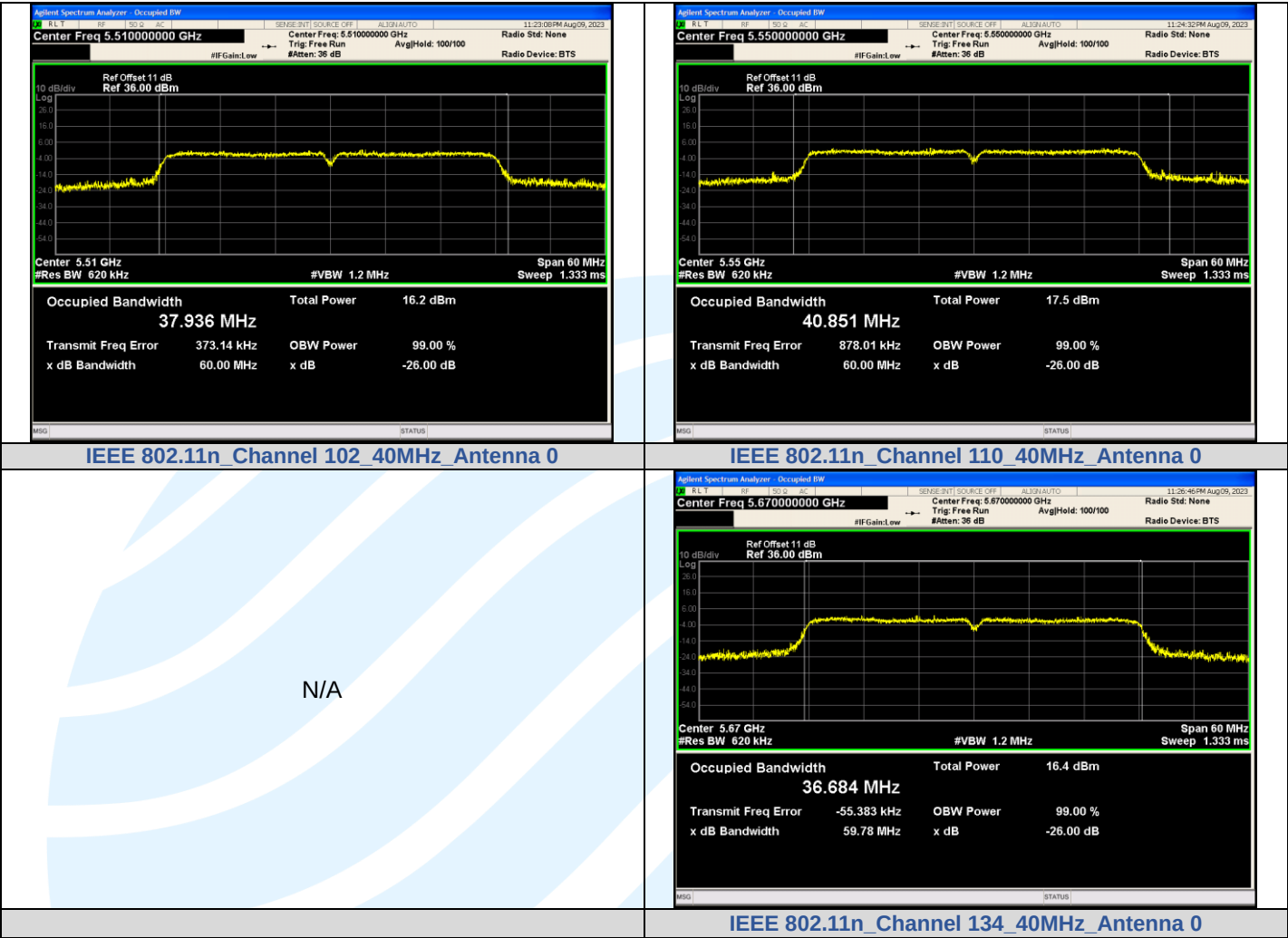


IEEE 802.11n Channel 38 40MHz Antenna 0



IEEE 802.11n Channel 54 40MHz Antenna 0

IEEE 802.11n Channel 62 40MHz Antenna 0

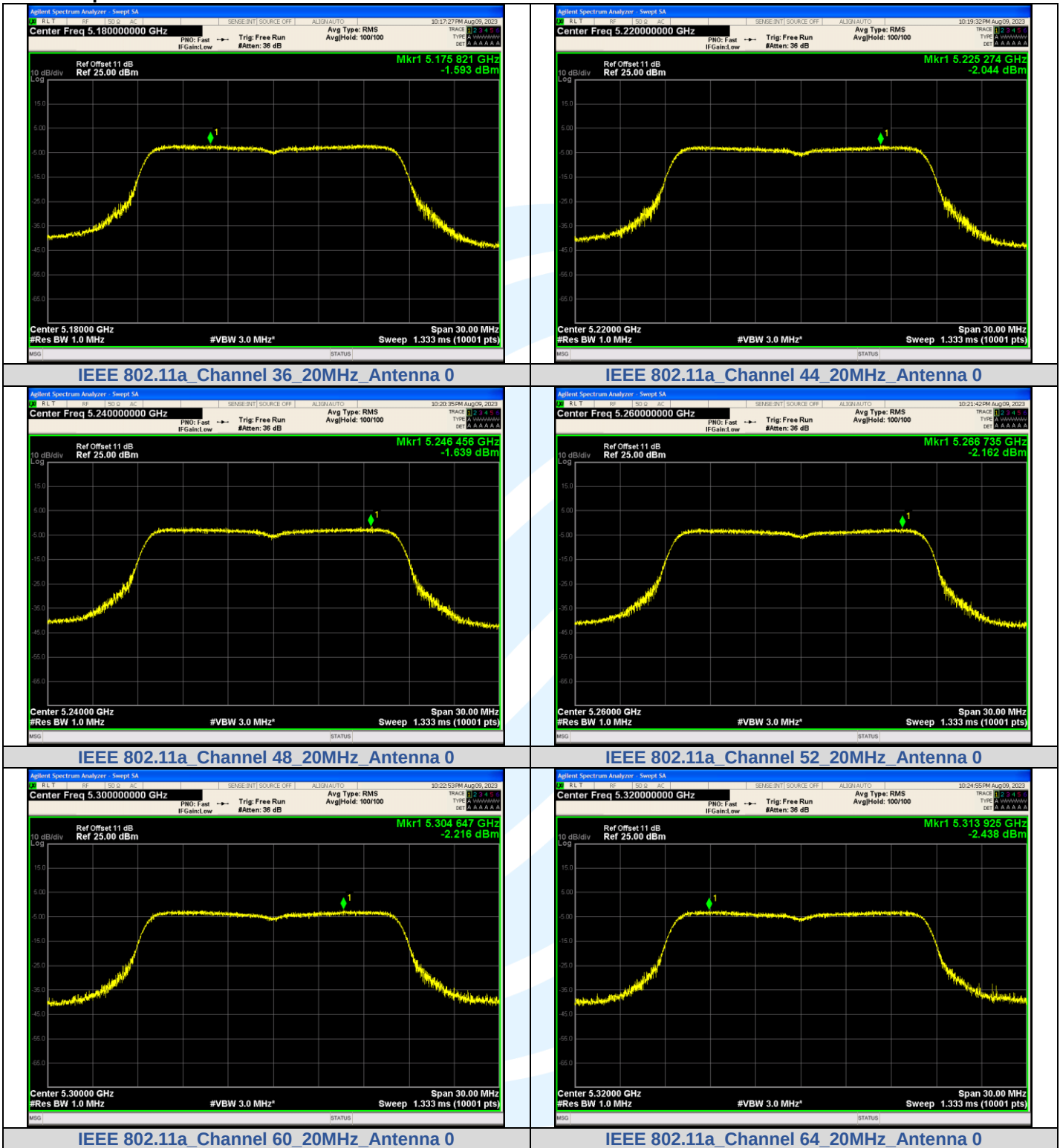


A.3 PEAK POWER SPECTRAL DENSITY

For U-NII-1, U-NII-2A, U-NII-2C band

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	36	-1.593	-1.29	11	PASS
	44	-2.044	-1.73		PASS
	48	-1.639	-1.33		PASS
	52	-2.162	-1.85		PASS
	60	-2.216	-1.91		PASS
	64	-2.438	-2.13		PASS
	100	-0.080	0.23		PASS
	116	1.225	1.53		PASS
	140	-0.378	-0.07		PASS
IEEE 802.11n_20	36	-1.528	-1.18		PASS
	44	-2.522	-2.17		PASS
	48	-1.712	-1.36		PASS
	52	-2.592	-2.24		PASS
	60	-2.495	-2.14		PASS
	64	-2.604	-2.25		PASS
	100	-0.431	-0.08		PASS
	116	0.715	1.07		PASS
	140	-0.127	0.23		PASS
IEEE 802.11n_40	38	-4.964	-4.33		PASS
	46	-5.178	-4.55		PASS
	54	-5.937	-5.31		PASS
	62	-6.056	-5.43		PASS
	102	-3.709	-3.08		PASS
	110	-2.462	-1.83		PASS
	134	-3.148	-2.52		PASS

Test Graphs



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Address: Unit D/E of 9/F and 16/F, Block A, Building 6, Baoneng science and technology park, Longhua district, Shenzhen, China

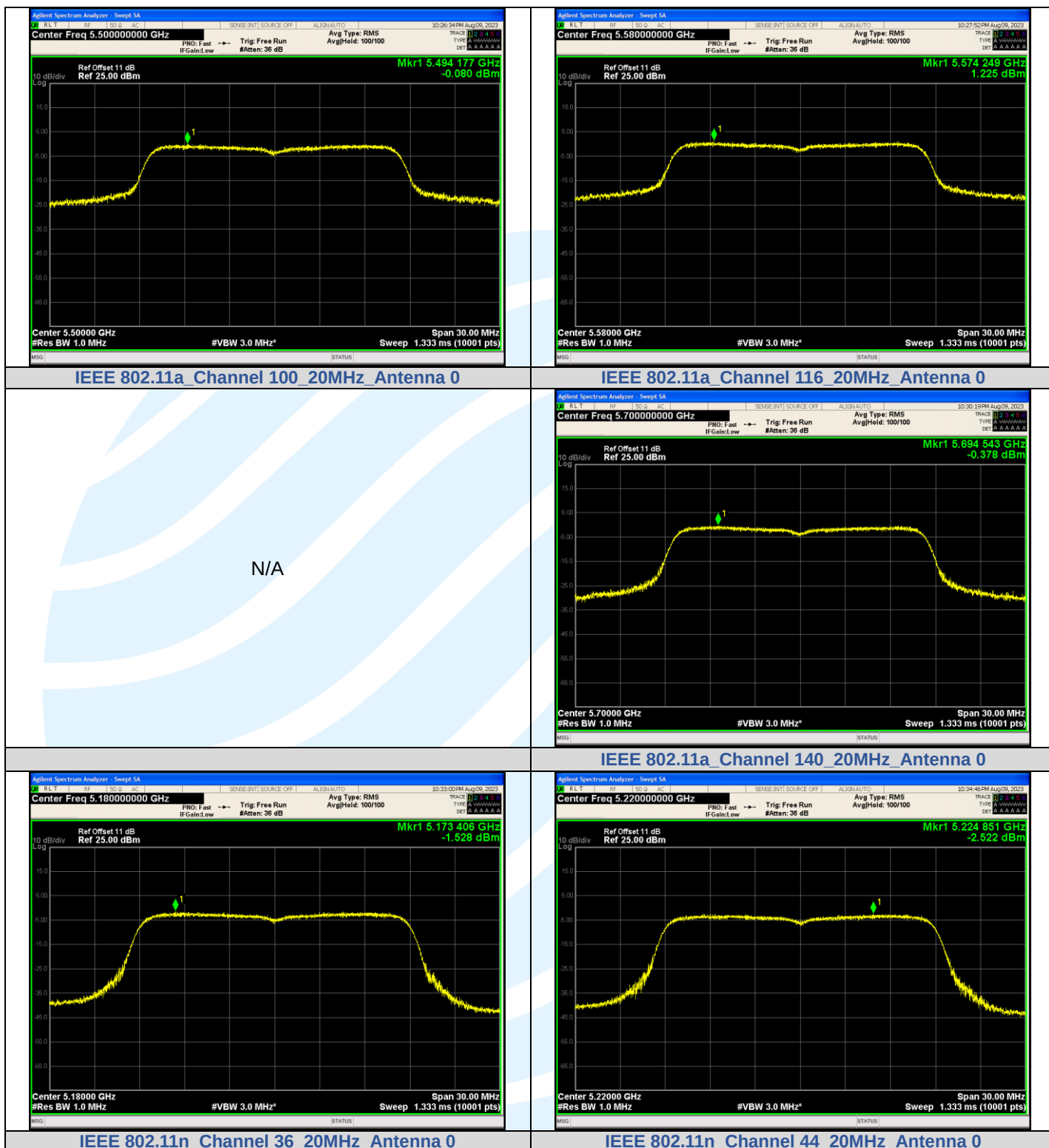
Tel: +86-755-28230888

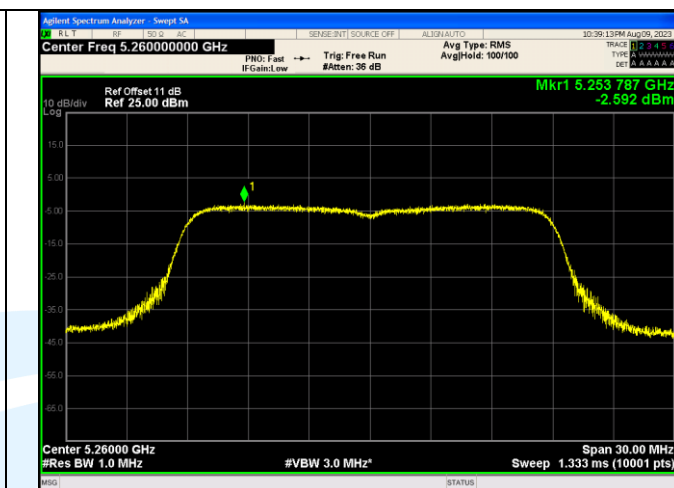
Fax: +86-755-28230886

E-mail: info@uttlab.com

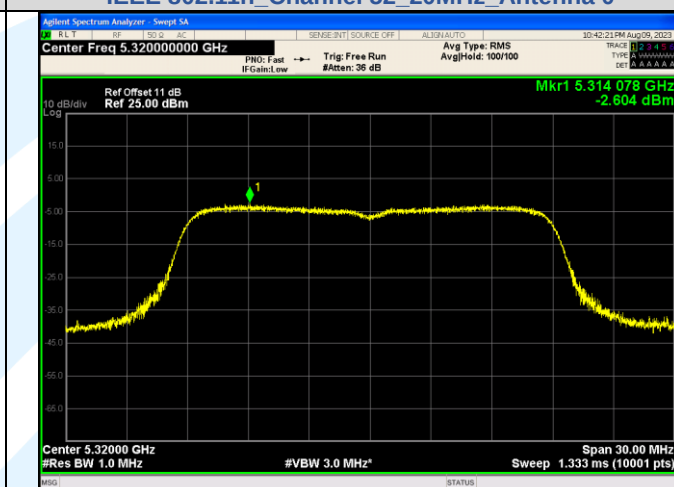
<http://www.uttlab.com>

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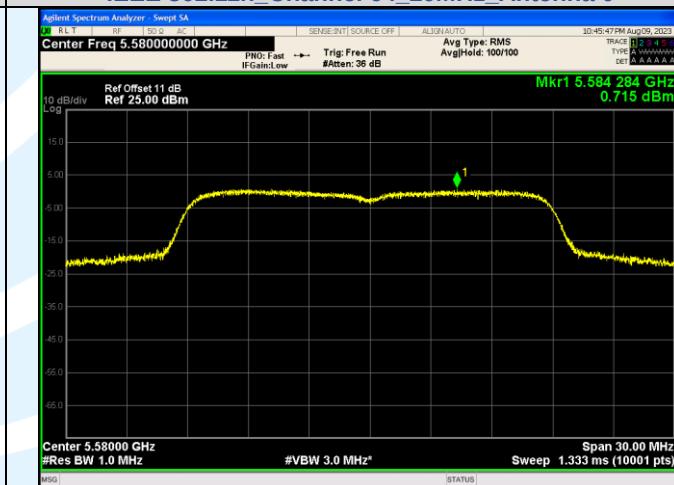




IEEE 802.11n Channel 52 20MHz Antenna 0

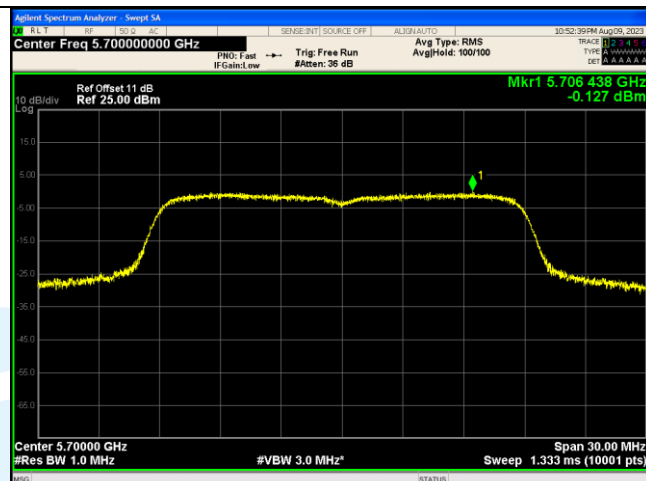


IEEE 802.11n Channel 64 20MHz Antenna 0

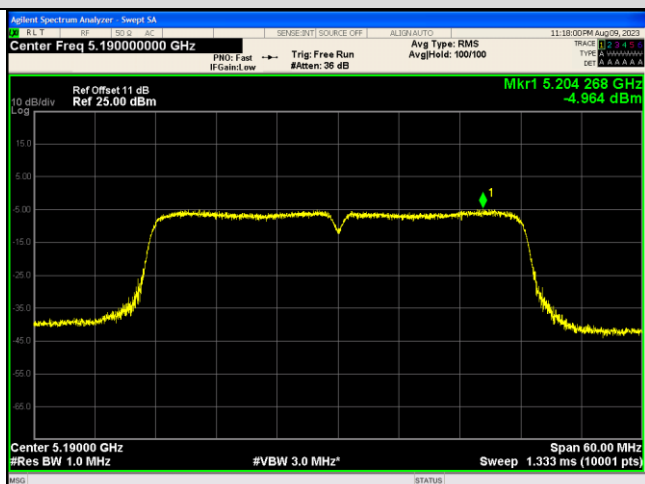


IEEE 802.11n Channel 116 20MHz Antenna 0

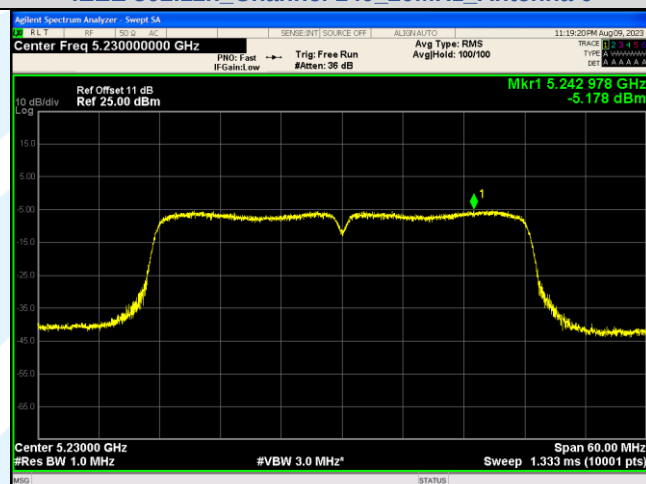
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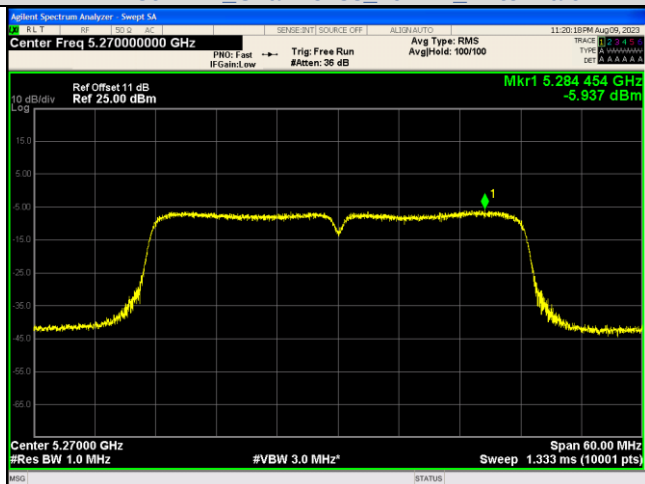
IEEE 802.11n Channel 140 20MHz Antenna 0



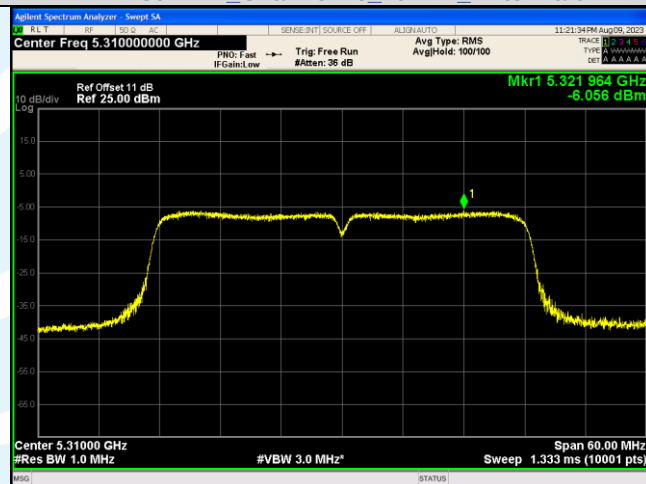
IEEE 802.11n Channel 38 40MHz Antenna 0



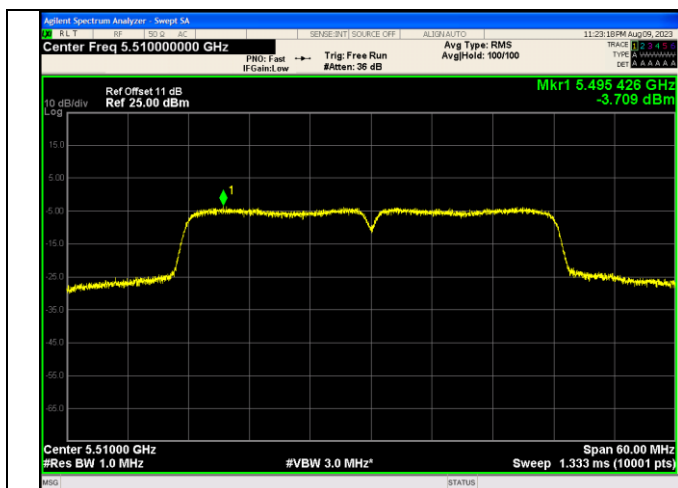
IEEE 802.11n Channel 46 40MHz Antenna 0



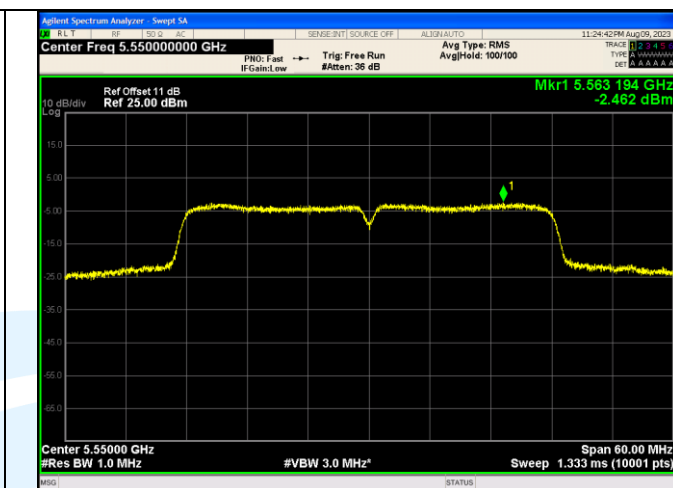
IEEE 802.11n Channel 54 40MHz Antenna 0



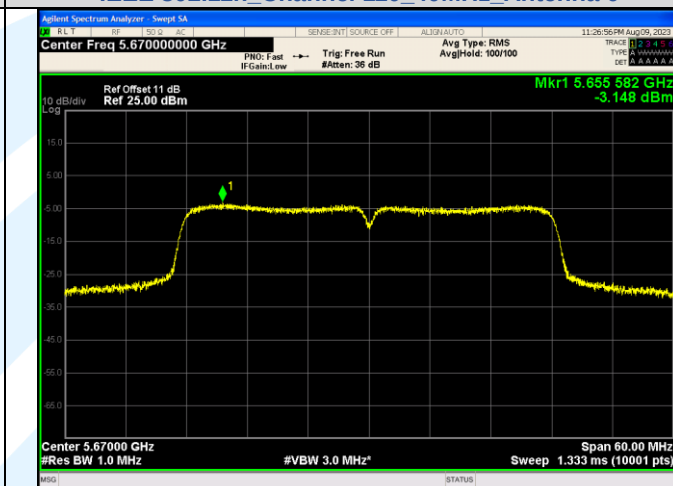
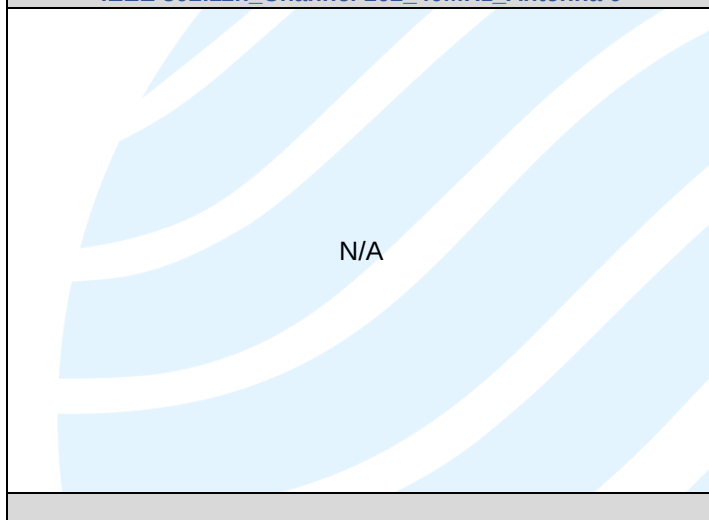
IEEE 802.11n Channel 62 40MHz Antenna 0



IEEE 802.11n Channel 102 40MHz Antenna 0



IEEE 802.11n Channel 110 40MHz Antenna 0

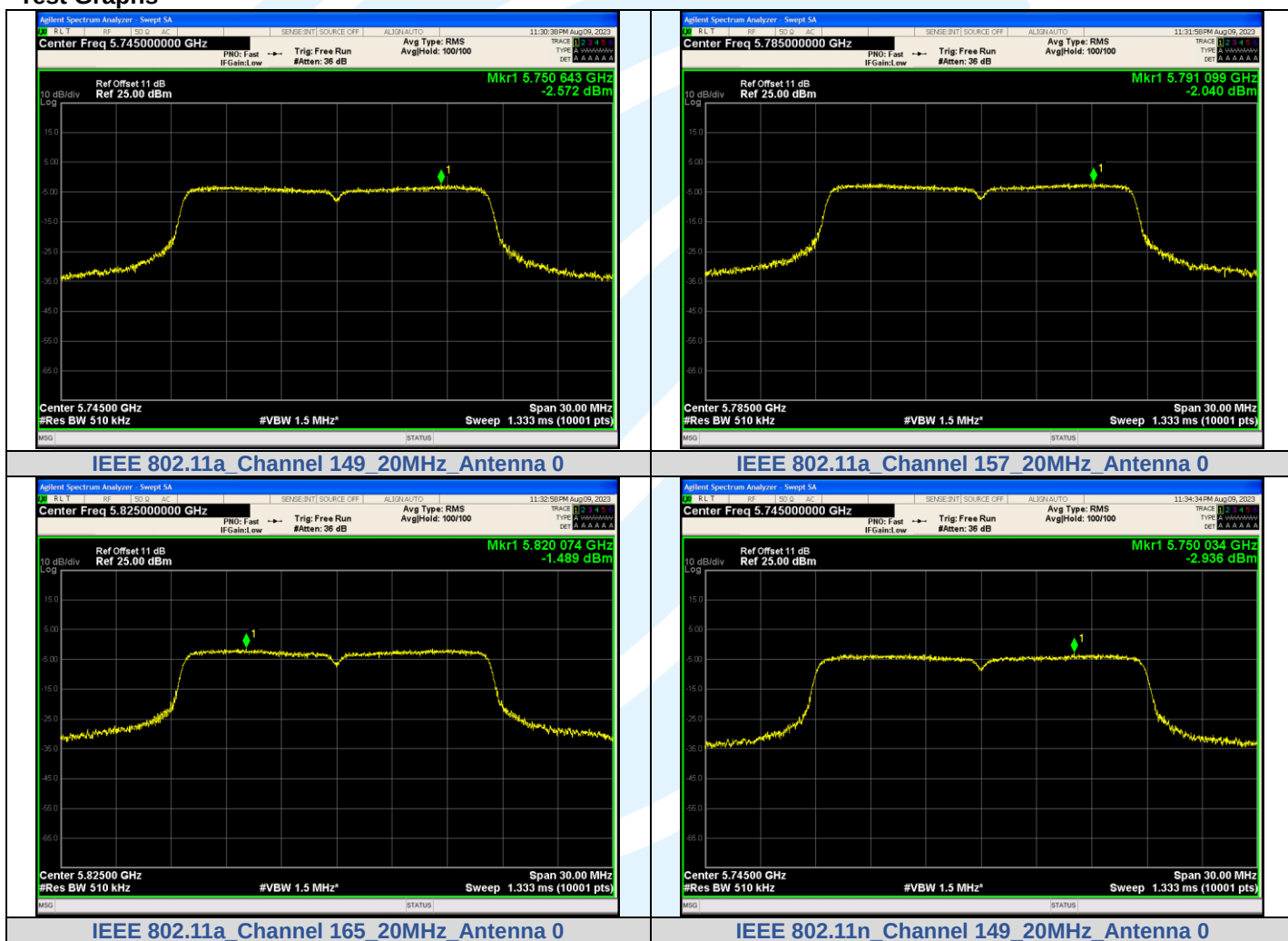


IEEE 802.11n Channel 134 40MHz Antenna 0

For U-NII-3 band

Mode	Channel	Ant. 0 Meas PSD (dBm/MHz or dBm/0.5MHz)	Ant. 0 Corr'd PSD (dBm/MHz or dBm/0.5MHz)	Limit (dBm/MHz or dBm/0.5MHz)	Result
IEEE 802.11a	149	-2.572	-2.26	30	PASS
	157	-2.040	-1.73		PASS
	165	-1.489	-1.18		PASS
IEEE 802.11n_20	149	-2.936	-2.59		PASS
	157	-2.401	-2.05		PASS
	165	-1.535	-1.19		PASS
IEEE 802.11n_40	151	-6.478	-5.85		PASS
	159	-5.518	-4.89		PASS

Test Graphs



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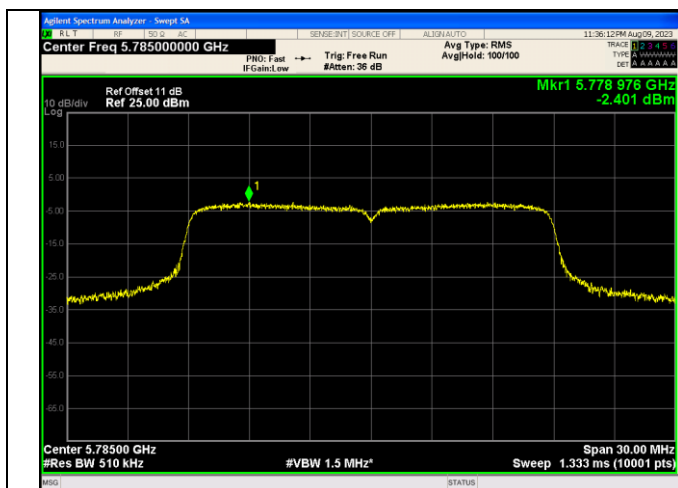
Tel: +86-755-28230888

Fax: +86-755-28230886

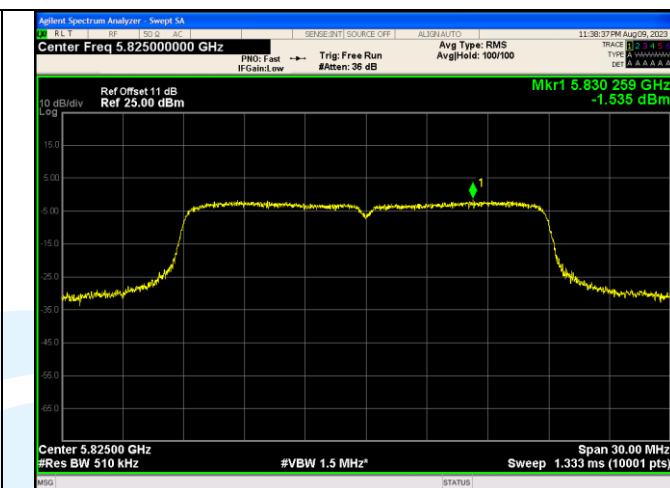
E-mail: info@uttlab.com

<http://www.uttlab.com>

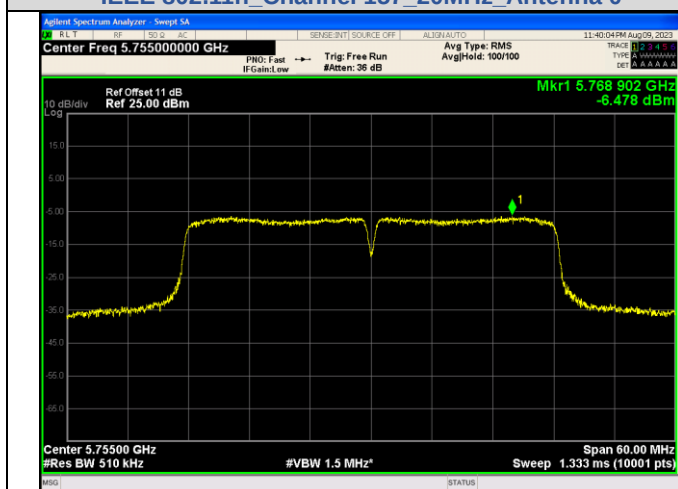
UTTR-RF-FCCPART15.407-V1.2



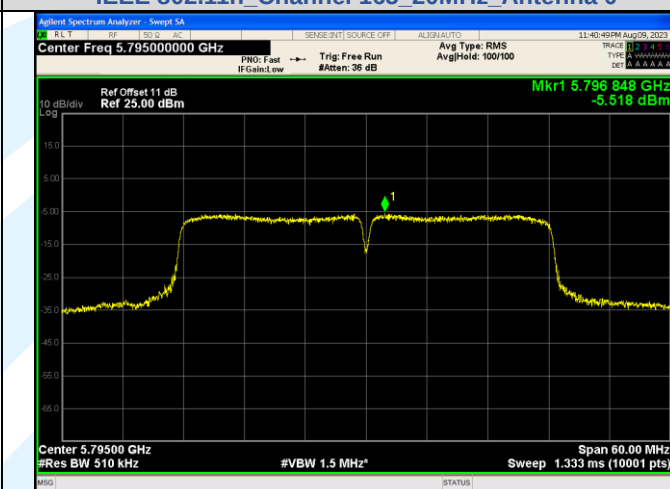
IEEE 802.11n Channel 157 20MHz Antenna 0



IEEE 802.11n Channel 165 20MHz Antenna 0



IEEE 802.11n Channel 151 40MHz Antenna 0



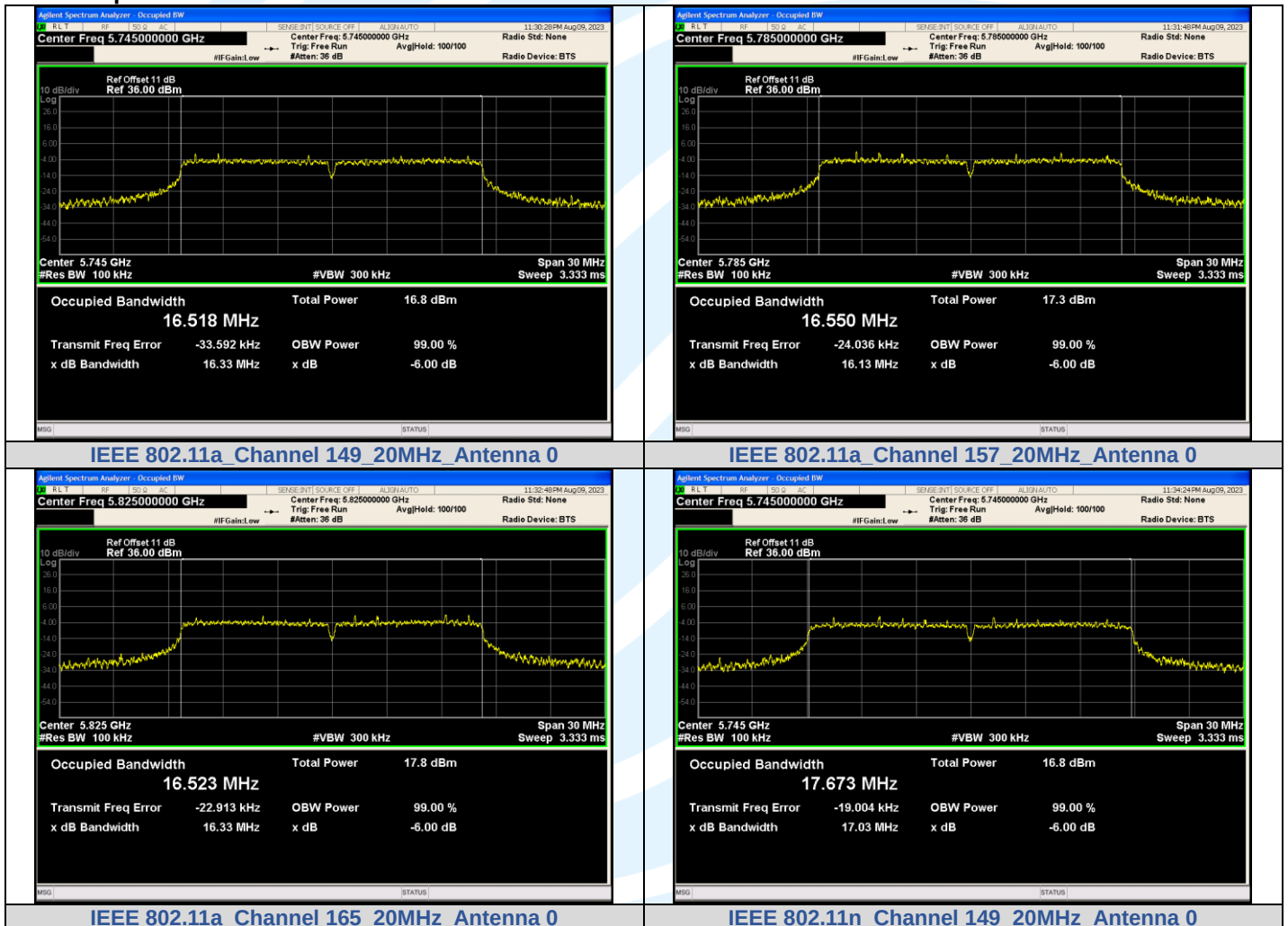
IEEE 802.11n Channel 159 40MHz Antenna 0

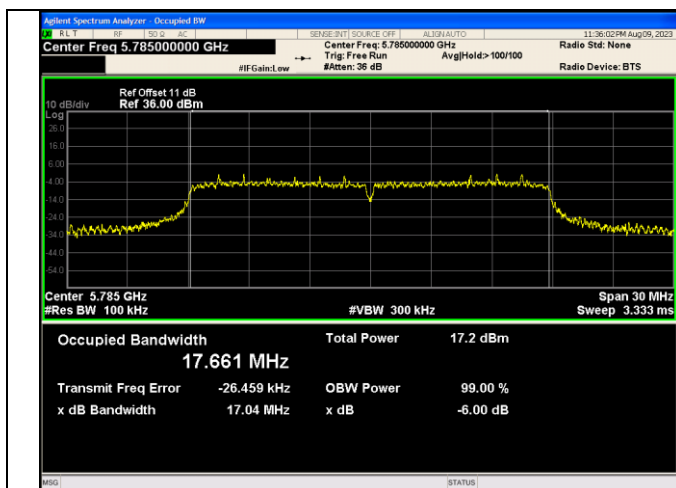
A.4 6DB BANDWIDTH

For U-NII-3 band

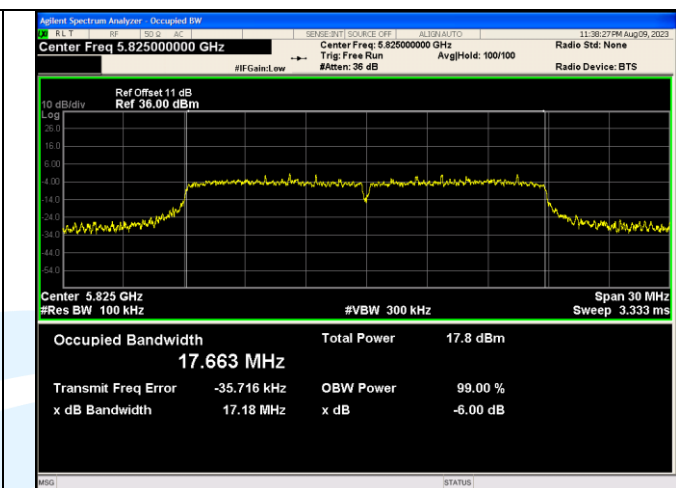
Mode	Channel	Ant.	Center Frequency (MHz)	6 dB Bandwidth (MHz)	Limit (MHz)	Result
IEEE 802.11a	149	0	5745	16.33	0.5	PASS
	157		5785	16.13		PASS
	165		5825	16.33		PASS
IEEE 802.11n_20	149		5745	17.03		PASS
	157		5785	17.04		PASS
	165		5825	17.18		PASS
IEEE 802.11n_40	151		5755	35.69		PASS
	159		5795	35.55		PASS

Test Graphs

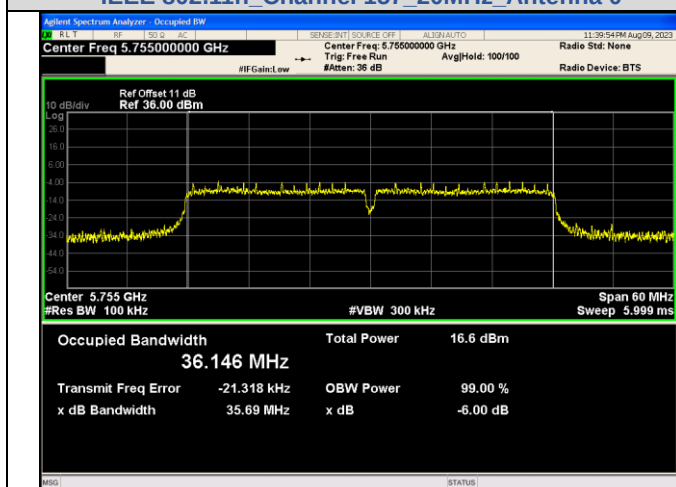




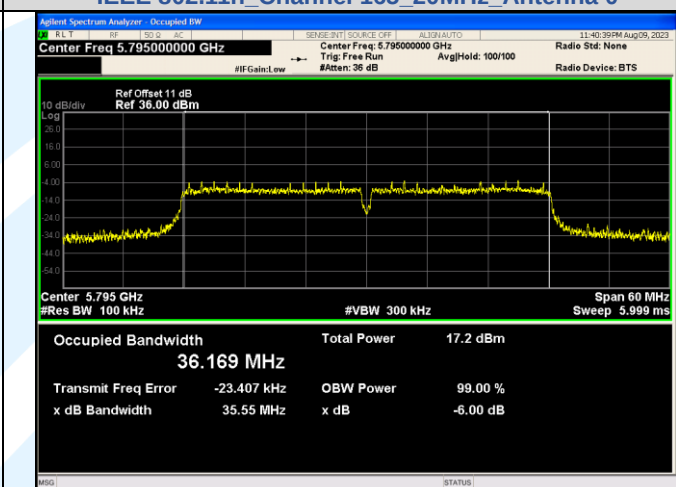
IEEE 802.11n Channel 157 20MHz Antenna 0



IEEE 802.11n Channel 165 20MHz Antenna 0



IEEE 802.11n Channel 151 40MHz Antenna 0



IEEE 802.11n Channel 159 40MHz Antenna 0

APPENDIX 1 PHOTOS OF TEST SETUP

See test photos attached in Appendix 1 for the actual connections between Product and support equipment.

APPENDIX 2 PHOTOS OF EUT CONSTRUCTIONAL DETAILS

Refer to Appendix 2 for EUT external and internal photos.

*** End of Report ***

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