Appendix C

RF Test Data for 5.8G WLAN (Conducted Measurement)

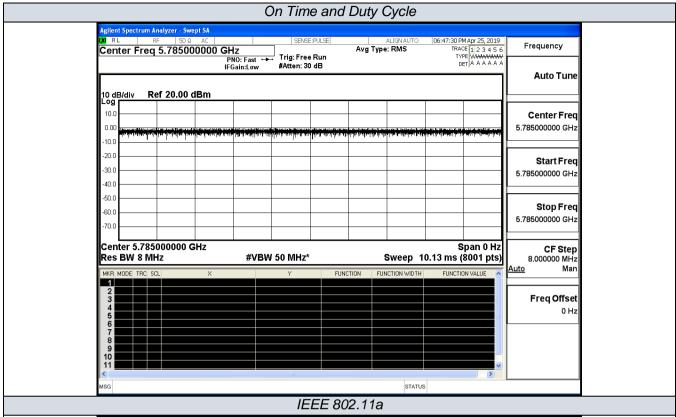
Product Name: ETH Wi-Fi Bridge Trade Mark: N/A **Test Model: ALXB10**

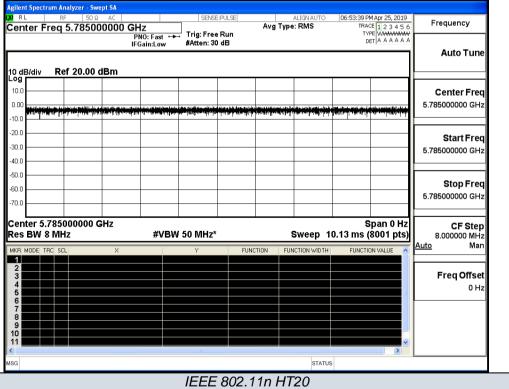
Environmental Conditions

Temperature:	24.6 ° C
Relative Humidity:	52.9%
ATM Pressure:	100.0 kPa
Test Engineer:	SCENT HU
Supervised by:	Tom.Liu

C.1 Duty Cycle

Test Mode	Test Frequency (MHz)	Duty Cycle (%)	10log(1/x) Factor (dB)	1/B Minimum VBW (KHz)
IEEE 802.11a	5785	100	0.00	0.01
IEEE 802.11n HT20	5785	100	0.00	0.01



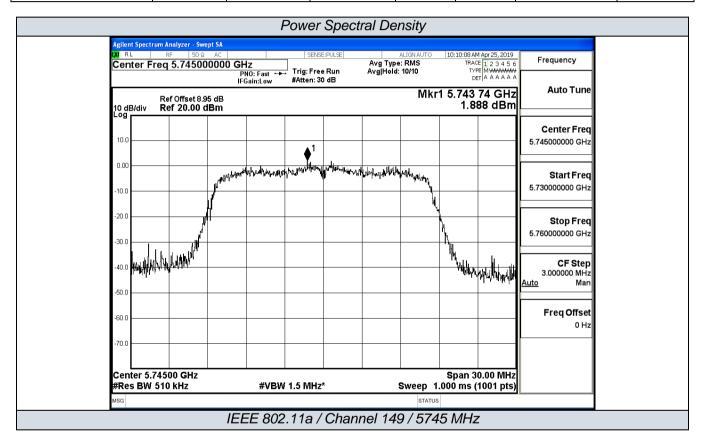


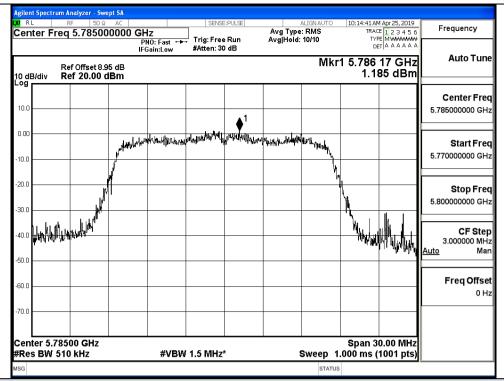
C.2 Maximum Conduct Output Power

Test Mode	Channel	Frequency (MHz)	AVG Conducted Power (dBm)	Duty Cycle Factor (dB)	Report Conducted Power (dBm)	Limit (dBm)
	149	5745	12.62	0	12.62	
IEEE 802.11a	157	5785	12.46	0	12.46	30
	165	5825	12.36	0	12.36	
	149	5745	12.64	0	12.64	
IEEE 802.11n HT20	157	5785	12.45	0	12.45	30
	165	5825	12.32	0	12.32	

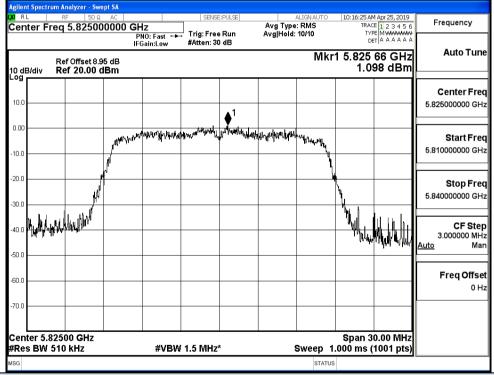
C.3 Power Spectral Density

Test Mode	Channel	Frequency (MHz)	Power Density (dBm/ 300KHz)	Duty Cycle Factor (dB)	RBW Factor (dB)	Report Power Density (dBm/ 500KHz)	Limit (dBm/ 500KHz)
	149	5745	1.888	0	2.218	4.106	
IEEE 802.11a	157	5785	1.185	0	2.218	3.403	30
	165	5825	1.098	0	2.218	3.316	
	149	5745	2.160	0	2.218	4.378	
IEEE 802.11n HT20	157	5785	1.465	0	2.218	3.683	30
	165	5825	1.201	0	2.218	3.419	

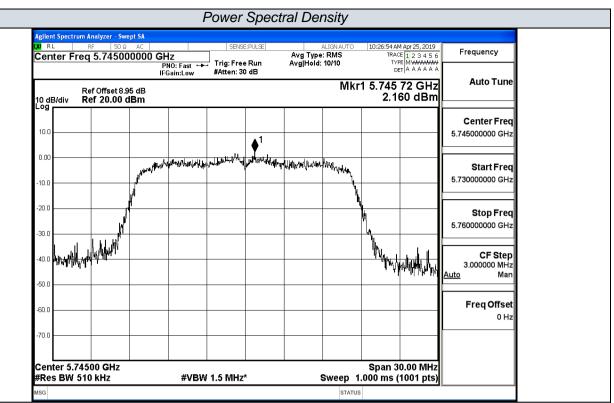


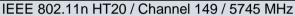


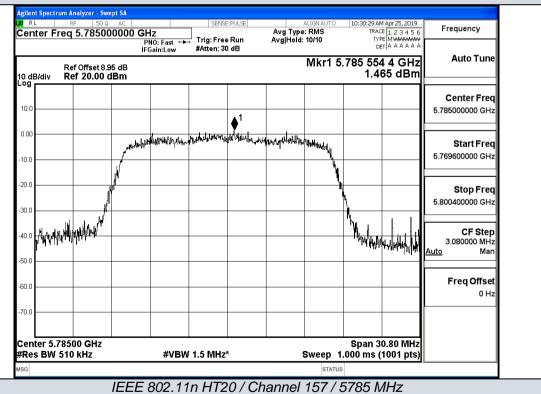
IEEE 802.11a / Channel 157 / 5785 MHz

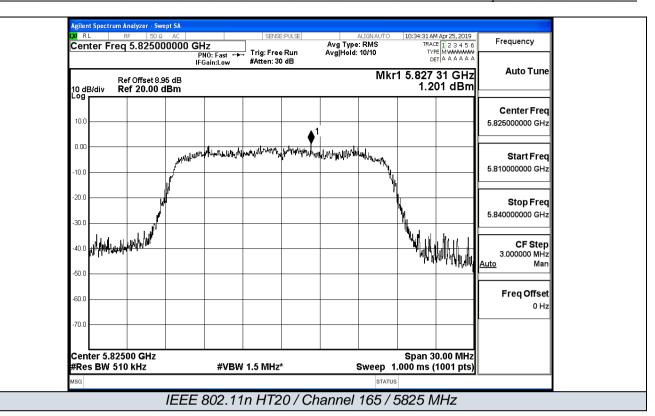


IEEE 802.11a / Channel 165 / 5825 MHz





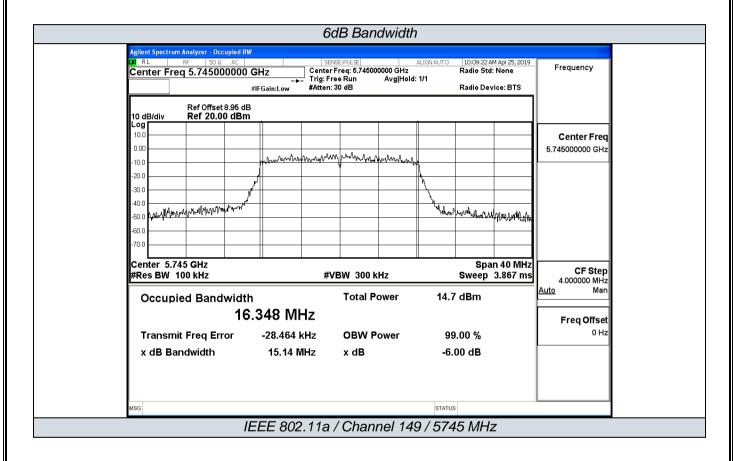




Page 7 of 14

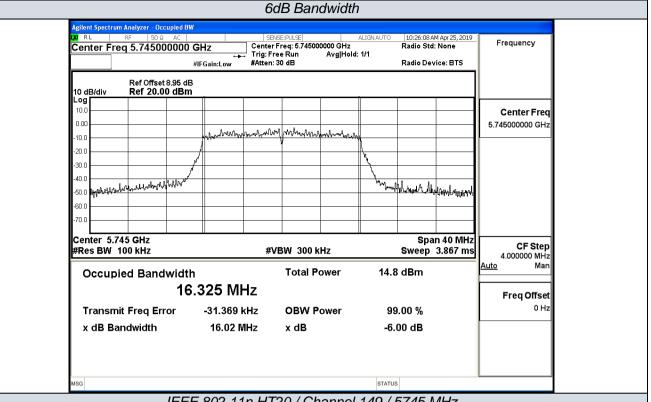
C.4 Emission Bandwidth

Test Mode	Channel	Frequency	6dB Bandwidth	Limit
rest wode	Charmer	(MHz)	(MHz)	(MHz)
	149	5745	15.140	
IEEE 802.11a	157	5785	15.090	>=0.5
	165	5825	15.130	
	149	5745	16.020	
IEEE 802.11n HT20	157	5785	15.400	>=0.5
	165	5825	15.410	

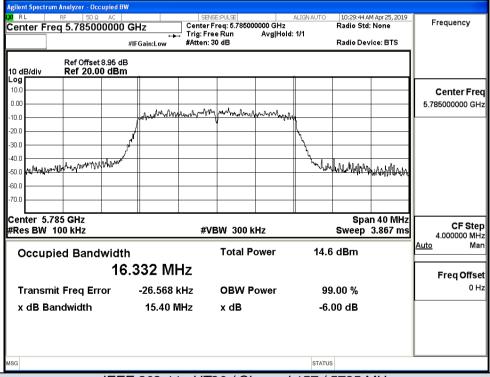


IEEE 802.11a / Channel 165 / 5825 MHz

STATUS



IEEE 802.11n HT20 / Channel 149 / 5745 MHz

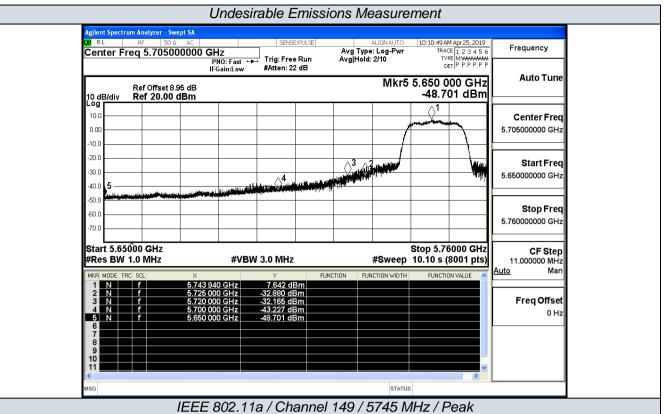


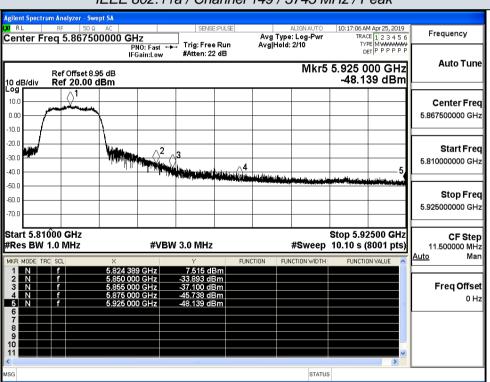
IEEE 802.11n HT20 / Channel 157 / 5785 MHz

IEEE 802.11n HT20 / Channel 165 / 5825 MHz

C.5 Undesirable Emissions Measurement

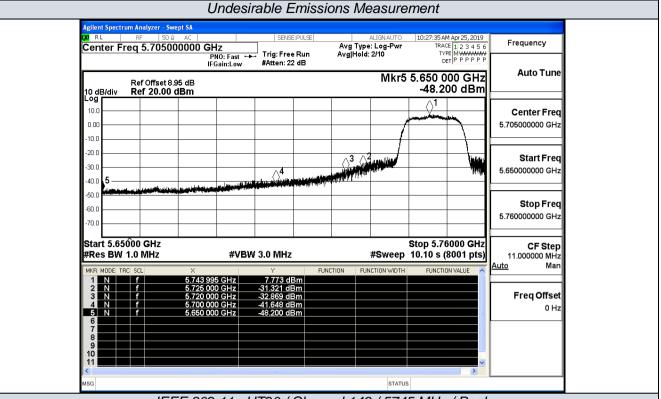
Test Mode	Channel	Frequency (MHz)	Conducted Power (dBm)	Antenna Gain (dBi)	EIRP (dBm/MHz)	Detector	Limit (dBm/MHz)
		5650.0	-48.701	5.00	-43.701	Peak	-27.0
	140	5700.0	-43.227	5.00	-38.227	Peak	10.0
	149	5720.0	-32.165	5.00	-27.165	Peak	15.6
IEEE 802.11a		5725.0	-32.880	5.00	-27.880	Peak	27.0
IEEE 002.11a		5850.0	-33.893	5.00	-28.893	Peak	27.0
	165	5855.0	-37.100	5.00	-32.100	Peak	15.6
		5875.0	-35.738	5.00	-30.738	Peak	10.0
		5925.0	-48.139	5.00	-43.139	Peak	-27.0
IEEE 802.11n HT20	149	5650.0	-31.321	5.00	-26.321	Peak	-27.0
		5700.0	-32.869	5.00	-27.869	Peak	10.0
		5720.0	-41.648	5.00	-36.648	Peak	15.6
		5725.0	-48.200	5.00	-43.200	Peak	27.0
	165	5850.0	-35.642	5.00	-30.642	Peak	27.0
		5855.0	-38.526	5.00	-33.526	Peak	15.6
		5875.0	-45.575	5.00	-40.575	Peak	10.0
		5925.0	-48.516	5.00	-43.516	Peak	-27.0

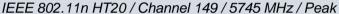


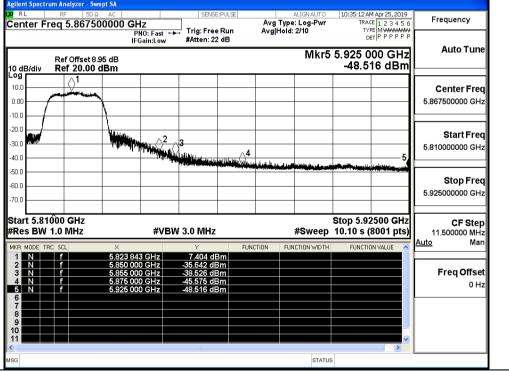


Page 13 of 14

IEEE 802.11a / Channel 165 / 5825 MHz / Peak







IEEE 802.11n HT20 / Channel 165 / 5825 MHz / Peak