

Page 62 of 197

8.3.8. 802.11n HT20 MODE IN THE 5.8 GHz BAND

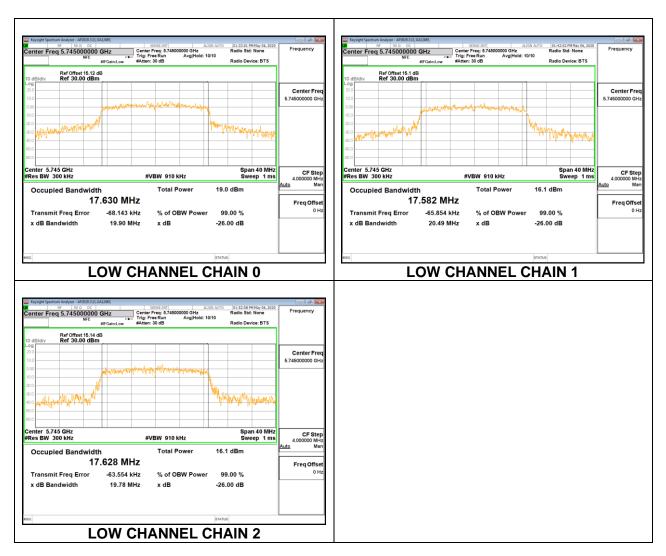
Channel	Frequency	99% Bandwidth	99% Bandwidth	99% Bandwidth
		Antenna 1	Antenna 2	Antenna 3
	(MHz)	(MHz)	(MHz)	(MHz)
Low	5745	17.630	17.582	17.628
Mid	5785	17.649	17.511	17.536
High	5825	17.639	17.652	17.595

Page 63 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

TEL:(510) 319-4000

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



Page 64 of 197

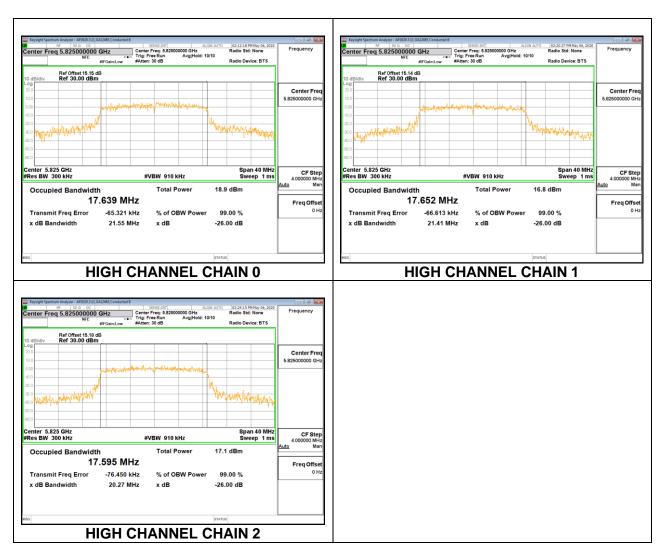
UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

01:57:23 PM May 06 Radio Std: None 02:02:14 PM May 0 Radio Std: None Frequency enter Freq 5.785000000 GHz Frequency enter Freq 5.785000000 GHz Aug|Hold: 10/10 000 GHz Avg|Hold: 10/10 Center Freq: 6 Trig: Free Run #Atten: 30 dB Center Freq: 5.7 Trig: Free Run #Atten: 30 dB Radio Device: BTS Radio Device: BTS Ref Offset 15.13 dB Ref 30.00 dBm Ref Offset 15.12 dB Ref 30.00 dBm Center Fre Center Fre 5.78 00 G WWWWWWWWWW MANAN martiner Span 40 MHz Sweep 1 ms enter 5.785 GHz Res BW 300 kHz nter 5.785 GHz es BW 300 kHz Span 40 MH Sweep 1 m CF Step 4.000000 MH CF Step 4.000000 MH: #VBW 910 kHz #VBW 910 kHz 16.5 dBm Occupied Bandwidth **Total Power** 19.1 dBm **Occupied Bandwidth Total Power** 17.649 MHz 17.511 MHz Freq Offs Freq Offs Transmit Freq Error -16.082 kHz % of OBW Power 0 F Transmit Freq Error -84.312 kHz 99.00 % 0 H 99.00 % % of OBW Power x dB Bandwidth 22.73 MHz x dB -26.00 dB x dB Bandwidth 20.94 MHz x dB -26.00 dB **MID CHANNEL CHAIN 0 MID CHANNEL CHAIN 1** - 6 02:07:14 PM May 06, Radio Std: None Frequency Center Freq: 5.74 Trig: Free Run #Atten: 30 dB Center Freq 5.785000000 GHz 00 GHz Avg|Hold: 10/10 Radio Device: BTS Ref Offset 15.15 dB Ref 30.00 dBm Center Fre 785000000 GH Span 40 MHz Sweep 1 ms Center 5.785 GHz #Res BW 300 kHz CF Step 4.000000 MU #VBW 910 kHz Ma Occupied Bandwidth Total Power 17.5 dBm 17.536 MHz Freq Offse 0 F -84.683 kHz Transmit Freg Error % of OBW Power 99.00 % 19.78 MHz -26.00 dB x dB Bandwidth x dB **MID CHANNEL CHAIN 2**

MID CHANNEL

Page 65 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA



Page 66 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

8.4. 6 dB BANDWIDTH

LIMITS

FCC §15.407 (e)

RSS-247 6.2.4.1

The minimum 6 dB bandwidth shall be at least 500 kHz.

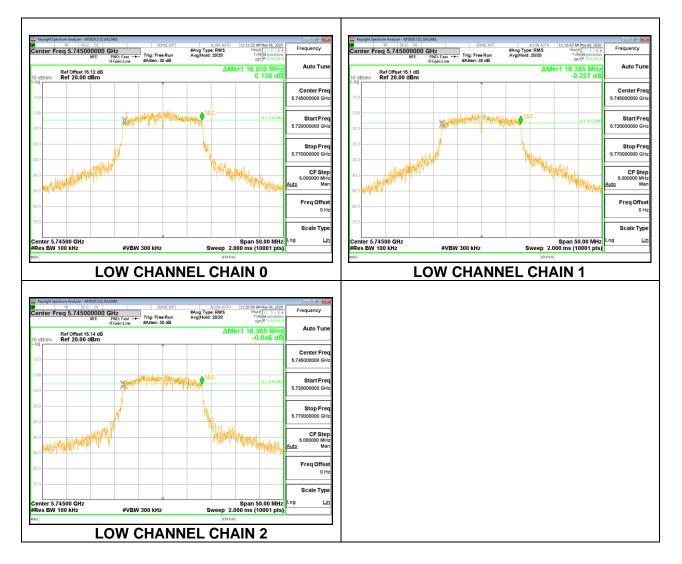
RESULTS

8.4.1. 802.11a MODE IN THE 5.8 GHz BAND

Channel	Frequency	6 dB BW	6 dB BW	6 dB BW	Minimum
		Chain 0	Chain 1	Chain 2	Limit
	(MHz)	(MHz)	(MHz)	(MHz)	(MHz)
Low	5745	16.030	16.365	16.365	0.5
Mid	5785	16.075	16.340	16.310	0.5
High	5825	16.330	16.325	16.340	0.5

Page 67 of 197

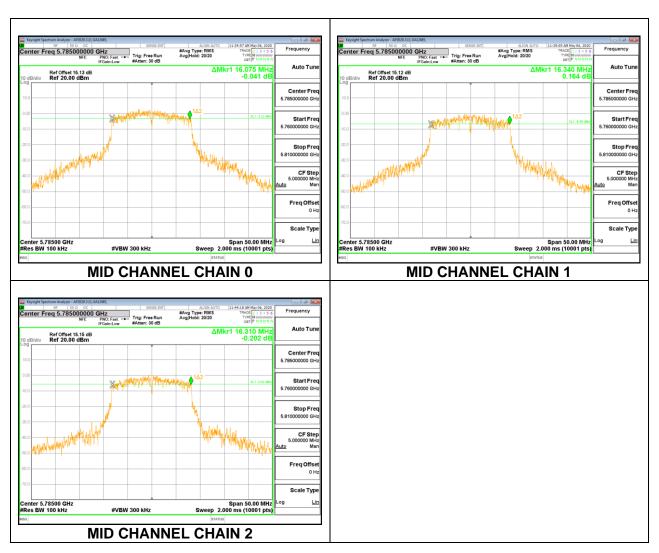
UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA



Page 68 of 197

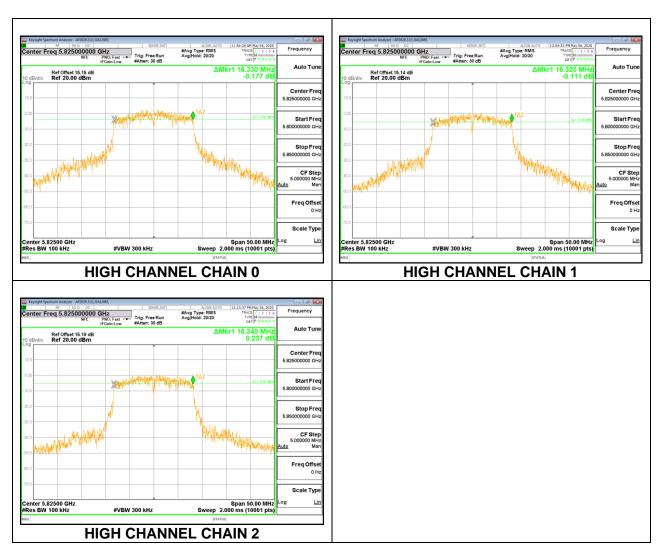
TEL:(510) 319-4000

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



MID CHANNEL

Page 69 of 197



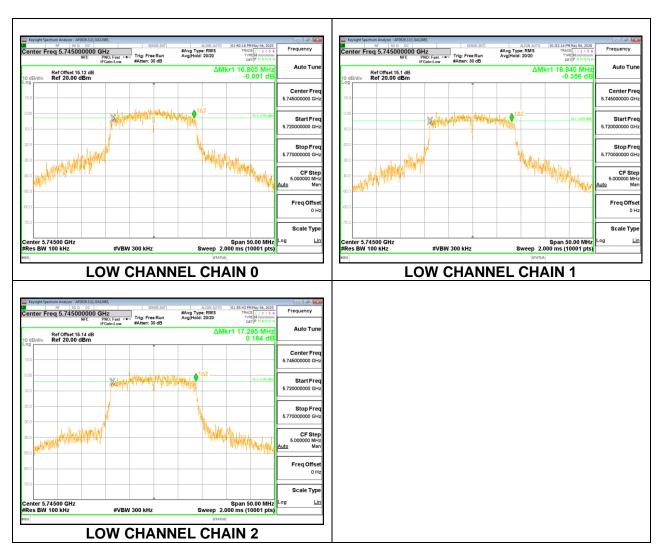
Page 70 of 197

8.4.2. 802.11n HT20 MODE IN THE 5.8 GHz BAND

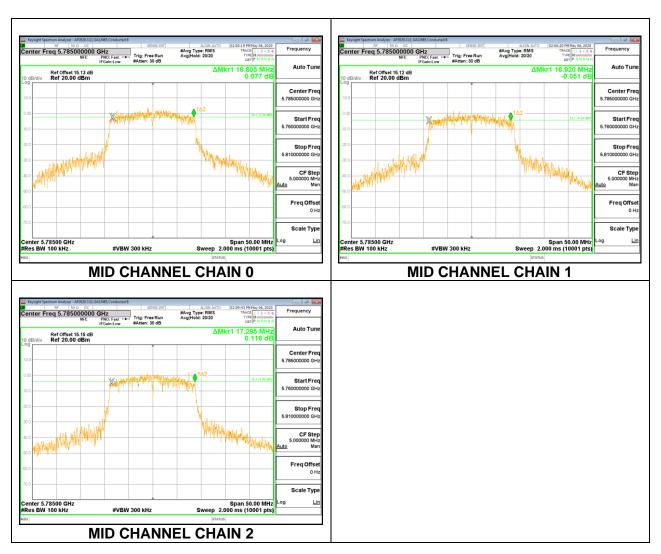
Channel	Frequency	6 dB BW	6 dB BW	6 dB BW	Minimum
		Chain 0	Chain 1	Chain 2	Limit
	(MHz)	(MHz)	(MHz)	(MHz)	(MHz)
Low	5745	16.805	16.940	17.295	0.5
Mid	5785	16.805	16.920	17.295	0.5
High	5825	17.320	16.940	17.575	0.5

Page 71 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

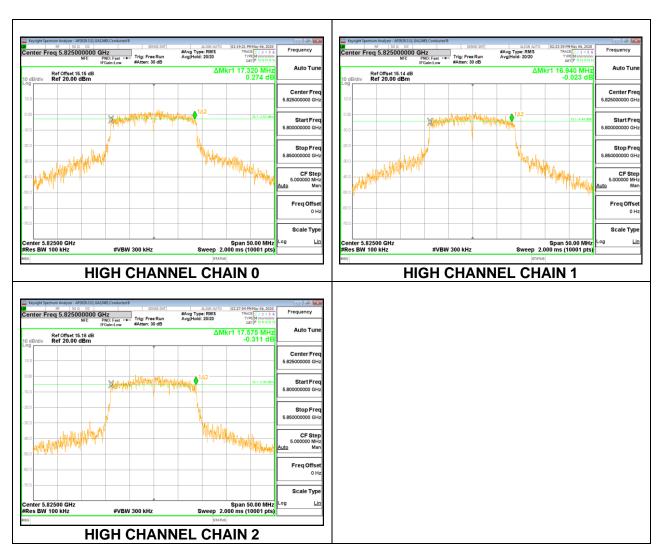


Page 72 of 197



MID CHANNEL

Page 73 of 197



Page 74 of 197

8.5. OUTPUT POWER AND PSD

LIMITS

FCC §15.407

Band 5.15–5.25 GHz (pick the section that applies to your product)

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Page 75 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

Bands 5.25-5.35 GHz and 5.47-5.725 GHz

The maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or 11 dBm + 10 log B, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Band 5.725-5.85 GHz

The maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information.

Page 76 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

RSS-247

Band 5.15-5.25 GHz

The maximum e.i.r.p. shall not exceed 200 mW or 10 + 10 log10B, dBm, whichever power is less. B is the 99% emission bandwidth in megahertz. The e.i.r.p. spectral density shall not exceed 10 dBm in any 1.0 MHz band.

Band 5.25-5.35 GHz

The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Bands 5.47-5.6 GHz and 5.65-5.725 GHz

The maximum conducted output power shall not exceed 250 mW or 11 + 10 log10B, dBm, whichever is less. The power spectral density shall not exceed 11 dBm in any 1.0 MHz band.

The maximum e.i.r.p. shall not exceed 1.0 W or 17 + 10 log10B, dBm, whichever is less. B is the 99% emission bandwidth in megahertz. Note that devices with a maximum e.i.r.p. greater than 500 mW shall implement TPC in order to have the capability to operate at least 6 dB below the maximum permitted e.i.r.p. of 1 W.

Band 5.725-5.85 GHz

The maximum conducted output power shall not exceed 1 W. The power spectral density shall not exceed 30 dBm in any 500 kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications and multiple collocated transmitters transmitting the same information.

TEST PROCEDURE

The measurement method used for output power is KDB 789033 D02 v02r01, Section E.3.b (Method PM-G) and for straddles channels KDB 789033 D02 v02r01, Section E.2.b (Method SA-1) was used.

The measurement method used for power spectral density is KDB 789033 D02 v02r01, Section ${\sf F}$

Page 77 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

TEL:(510) 319-4000

FAX:(510) 661-0888

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

DIRECTIONAL ANTENNA GAIN

For 3 TX:

Tx chains are uncorrelated for power and correlated for PSD due to the device supporting CDD in all MIMO modes. The directional gains are as follows:

Vertical Polarizaton (Worst Case)

	Chain 0 Antenna	Chain 1 Antenna	Uncorrelated Chains Directional	Correlated Chains Directional
Band	Gain	Gain	Gain	Gain
(GHz)	(dBi)	(dBi)	(dBi)	(dBi)
5.2	0.60	2.60	1.71	4.67
5.3	0.60	2.60	1.71	4.67
5.6	0.60	2.60	1.71	4.67
5.8	0.60	2.60	1.71	4.67

Horizontal Polarizaton

	Chain 2	Uncorrelated Chains	Correlated Chains
	Antenna	Directional	Directional
Band	Gain	Gain	Gain
(GHz)	(dBi)	(dBi)	(dBi)
5.2-5.8	2.20	2.20	2.20

RESULTS

Page 78 of 197

8.5.1. 802.11a MODE IN THE 5.2 GHz BAND

(FCC+IC) MOBILE

Test Engineer:	GA12485
Test Date:	05/05/2020

Bandwidth and Antenna Gain

Channel	Frequency	Min	Directional	Directional
		99% Gain		Gain
		BW	for Power	for PSD
	(MHz)	(MHz)	(dBi)	(dBi)
Low	5180	16.351	2.20	4.67
Mid	5200	16.339	2.20	4.67
High	5240	16.367	2.20	4.67

Limits

Channel	Frequency	FCC Power Limit	ISED EIRP Limit	Max ISED Power	Power Limit	FCC PSD Limit	ISED eirp PSD Limit	PSD Limit
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
Low	5180	24.00	22.14	19.94	19.94	11.00	10.00	5.33
Mid	5200	24.00	22.13	19.93	19.93	11.00	10.00	5.33
High	5240	24.00	22.14	19.94	19.94	11.00	10.00	5.33

Duty Cycle CF (dB) 2.93 Included in Calculations of Corr'd PSD

Output Power Results

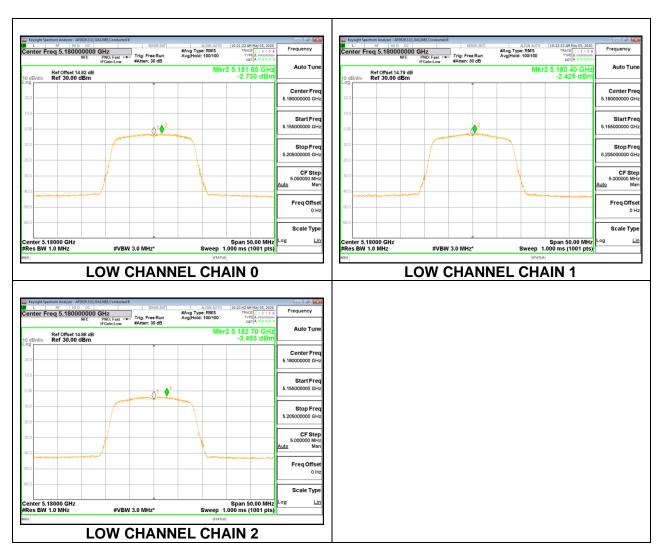
Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	Power	Power
		Meas	Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power	Power		-
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	9.16	9.21	8.53	13.75	19.94	-6.19
Mid	5200	8.74	8.83	8.25	13.39	19.93	-6.55
High	5240	8.81	8.44	8.18	13.26	19.94	-6.68

PSD Results

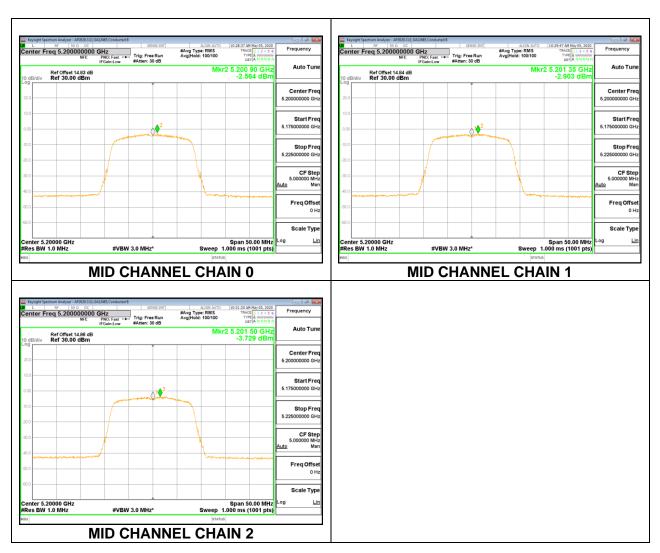
Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	PSD	PSD
		Meas	Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dB)
Low	5180	-2.730	-2.425	-3.453	4.85	5.33	-0.48
Mid	5200	-2.564	-2.903	-3.729	4.66	5.33	-0.67
High	5240	-2.405	-2.789	-3.881	4.72	5.33	-0.61

Page 79 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

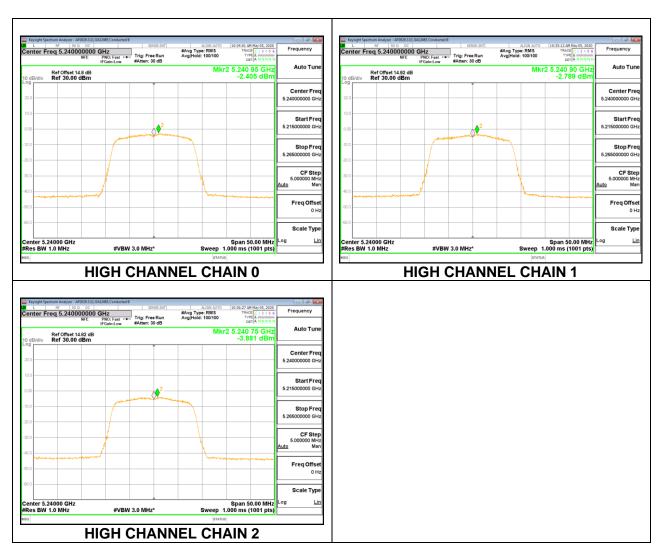


Page 80 of 197



MID CHANNEL

Page 81 of 197



Page 82 of 197

8.5.2. 802.11n HT20 MODE IN THE 5.2 GHz BAND

(FCC+IC) MOBILE

Test Engineer:	GA12485
Test Date:	05/05/2020

Bandwidth and Antenna Gain

Channel	Frequency	Min	Directional	Directional
		99%	Gain	Gain
		BW	for Power	for PSD
	(MHz)	(MHz)	(dBi)	(dBi)
Low	5180	17.518	2.20	4.67
Mid	5200	17.488	2.20	4.67
High	5240	17.526	2.20	4.67

Limits

Channel	Frequency	FCC	ISED	Max	Power	FCC	ISED	PSD
		Power	EIRP	ISED	Limit	PSD	eirp	Limit
		Limit	Limit	Power		Limit	PSD	
							Limit	
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)
Low	5180	24.00	22.43	20.23	20.23	11.00	10.00	5.33
Mid	5200	24.00	22.43	20.23	20.23	11.00	10.00	5.33
High	5240	24.00	22.44	20.24	20.24	11.00	10.00	5.33

 Duty Cycle CF (dB)
 3.83
 Included in Calculations of Corr'd PSD

Output Power Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	Power	Power
		Meas	Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5180	10.11	10.06	9.46	14.66	20.23	-5.58
Mid	5200	9.97	9.64	9.11	14.36	20.23	-5.87
High	5240	9.83	9.58	9.04	14.27	20.24	-5.97

PSD Results

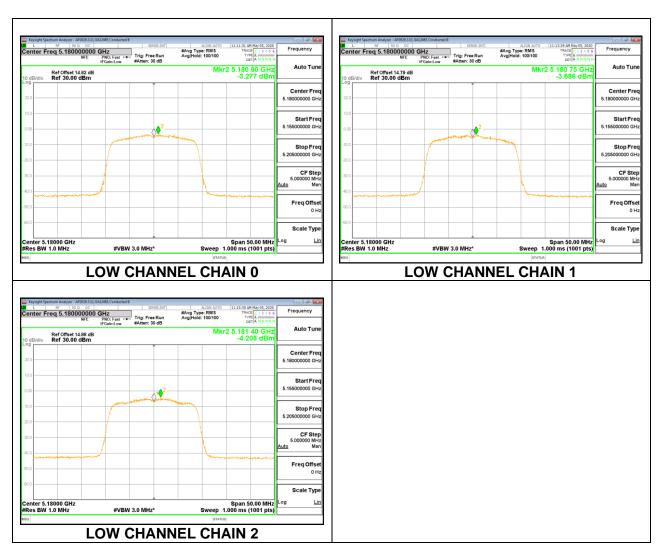
Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	PSD	PSD
		Meas	Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD	PSD		
	(MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dBm/1MHz)	(dB)
Low	5180	-3.277	-3.686	-4.208	4.89	5.33	-0.44
Mid	5200	-3.723	-3.665	-4.558	4.64	5.33	-0.69
High	5240	-3.096	-3.162	-4.600	5.04	5.33	-0.29

Page 83 of 197

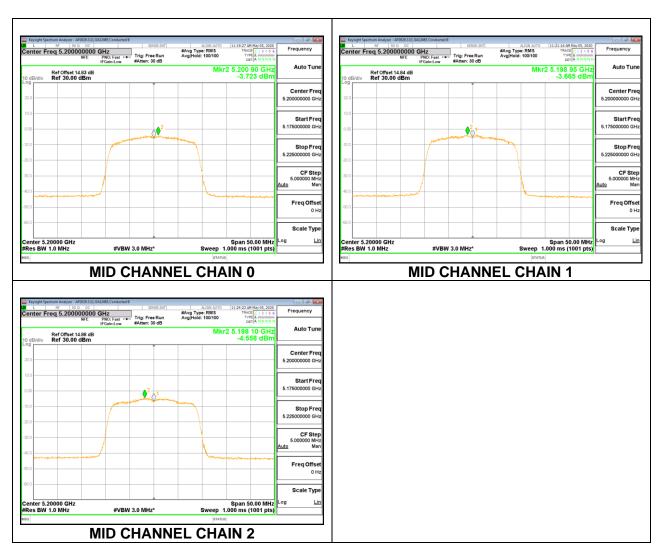
UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

TEL:(510) 319-4000

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

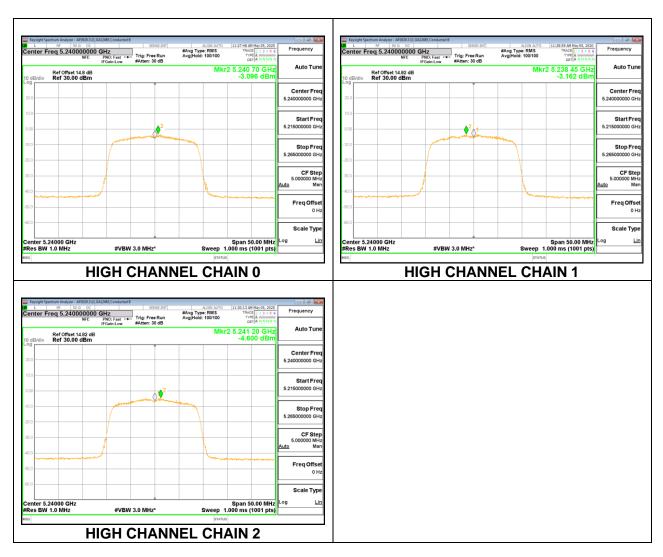


Page 84 of 197



MID CHANNEL

Page 85 of 197



Page 86 of 197

8.5.3. 802.11a MODE IN THE 5.3 GHz BAND

(FCC+IC)

Test Engineer:	GA12485
Test Date:	05/05/2020

Bandwidth and Antenna Gain

Channel	Frequency	Min	Min	Directional	Direction
		26 dB	99%	Gain	Gain
		BW	BW	for Power	for PSD
	(MHz)	(MHz)	(MHz)	(dBi)	(dBi)
Low	5260	19.85	16.374	2.20	4.67
Mid	5300	19.90	16.366	2.20	4.67
High	5320	20.00	16.443	2.20	4.67

2.93

Limits

Channel	Frequency	FCC	ISED	ISED	Power	FCC	ISED
		Power	Power	EIRP	Limit	PSD	PSD
		Limit	Limit	Limit		Limit	Limit
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm/1Mhz)	(dBm/1Mhz)
Low	5260	23.98	23.14	29.14	23.14	11.00	11.00
Mid	5300	23.99	23.14	29.14	23.14	11.00	11.00
High	5320	24.00	23.16	29.16	23.16	11.00	11.00
				•	•		

|--|

Included in Calculations of Corr'd Power & PSD

Output Power Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	Power	Power
		Meas	Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5260	14.83	14.44	13.79	19.15	23.14	-4.00
Mid	5300	14.43	14.72	13.98	19.16	23.14	-3.98
High	5320	14.08	14.82	12.85	18.76	23.16	-4.40

PSD Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	PSD	PSD
		Meas	Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD	PSD		
	(MHz)	(dBm/	(dBm/	(dBm/	(dBm/	(dBm/ 1MHz)	(dB)
		1MHz)	1MHz)	1MHz)	1MHz)		
Low	5260	1.305	1.138	-0.366	8.456	11.00	-2.54
Mid	5300	1.475	1.700	0.618	8.990	11.00	-2.01
High	5320	0.300	1.536	-0.601	8.202	11.00	-2.80

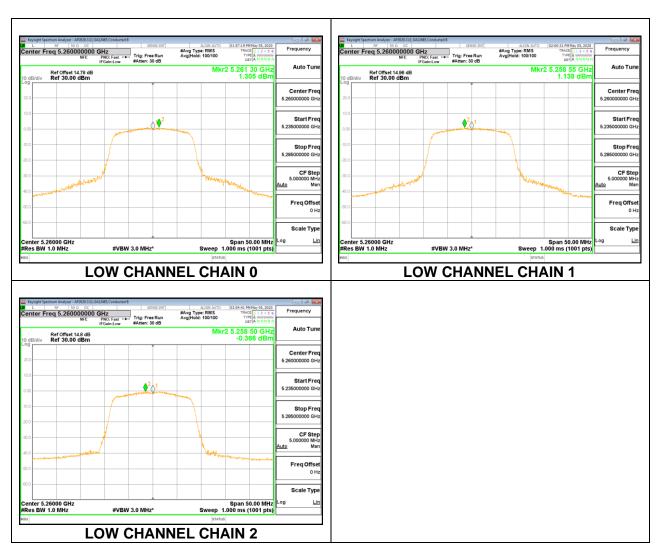
Page 87 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

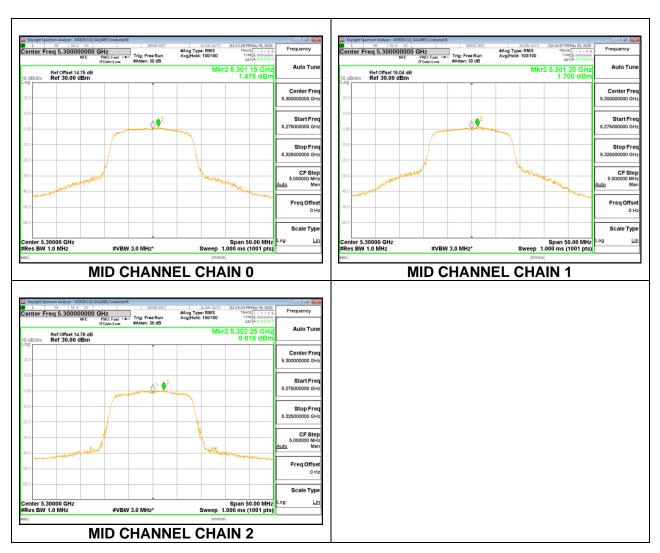
TEL:(510) 319-4000

FAX:(510) 661-0888

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

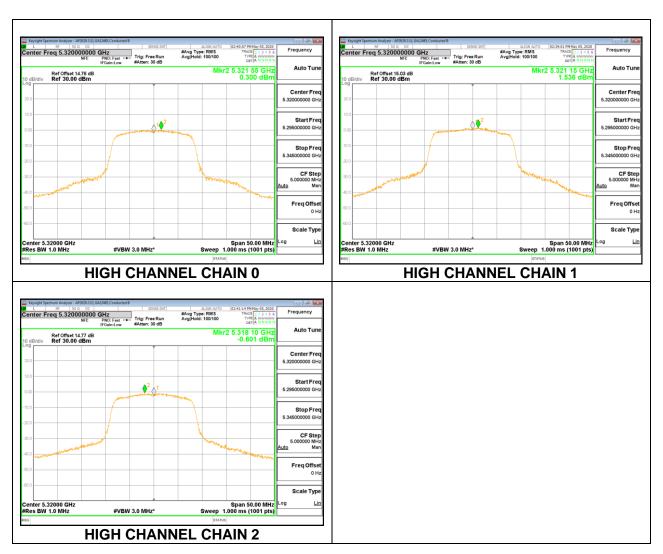


Page 88 of 197



MID CHANNEL

Page 89 of 197



Page 90 of 197

8.5.4. 802.11n HT20 MODE IN THE 5.3 GHz BAND

(FCC+IC)

Test Engineer:	GA12485
Test Date:	05/05/2020

Bandwidth and Antenna Gain

Channel	Frequency	Min Min I		Directional	Directional
		26 dB	99%	Gain	Gain
		BW	BW	for Power	for PSD
	(MHz)	(MHz)	(MHz)	(dBi)	(dBi)
Low	5260	20.30	17.484	2.20	4.67
Mid	5300	20.55	17.552	2.20	4.67
High	5320	20.25	17.589	2.20	4.67

Limits

Channel	Frequency	FCC	ISED	ISED	Power	FCC	ISED	PSD
		Power	Power	EIRP	Limit	PSD	PSD	Limit
		Limit	Limit	Limit		Limit	Limit	
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm/	(dBm/	(dBm/
						1MHz)	1MHz)	1MHz)
Low	5260	24.00	23.43	29.43	23.43	11.00	11.00	11.00
Mid	5300	24.00	23.44	29.44	23.44	11.00	11.00	11.00
High	5320	24.00	23.45	29.45	23.45	11.00	11.00	11.00

Duty Cycle CF (dB) 3.83 Included in Calculations of Corr'd Power & PSD

Output Power Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	Power	Power
		Meas	Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5260	14.87	14.93	13.18	19.17	23.43	-4.26
Mid	5300	15.79	15.84	14.12	20.09	23.44	-3.35
High	5320	11.94	12.74	11.88	16.98	23.45	-6.48

PSD Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	PSD	PSD
		Meas	Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD	PSD		
	(MHz)	(dBm/	(dBm/	(dBm/	(dBm/	(dBm/	(dB)
		1MHz)	1MHz)	1MHz)	1MHz)	1MHz)	
Low	5260	1.086	1.278	-0.317	9.339	11.00	-1.66
Mid	5300	1.455	1.552	0.536	9.806	11.00	-1.19
High	5320	0.913	1.462	0.358	9.536	11.00	-1.46

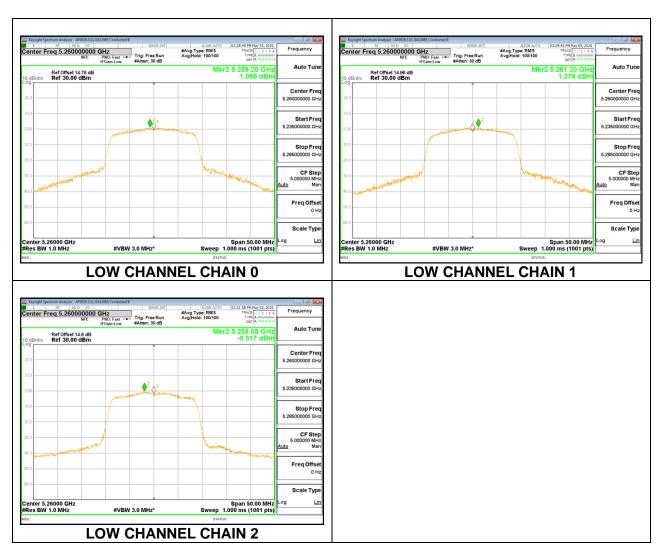
Page 91 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

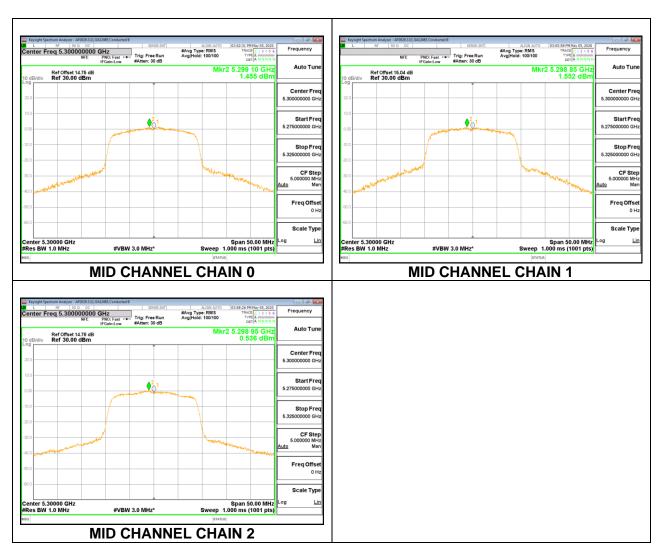
TEL:(510) 319-4000

FAX:(510) 661-0888

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

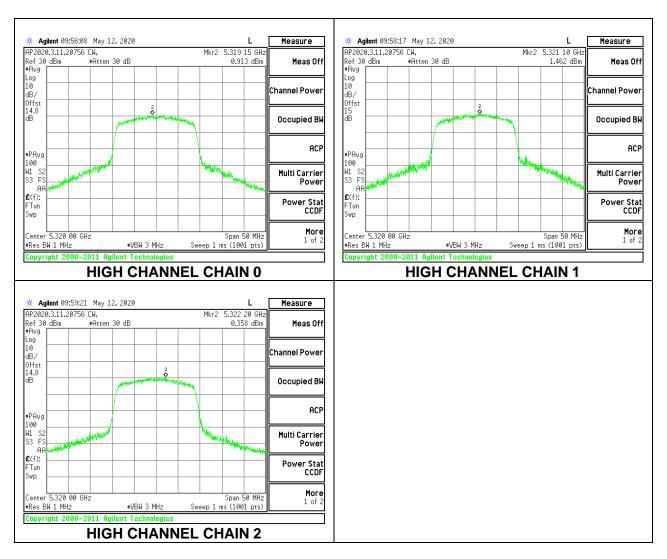


Page 92 of 197



MID CHANNEL

Page 93 of 197



Page 94 of 197

8.5.5. 802.11a MODE IN THE 5.6 GHz BAND

(FCC+IC)

Test Engineer:	GA12485
Test Date:	05/05/2020

Bandwidth and Antenna Gain

Channel	Frequency	Min Min		Directional	Direction
		26 dB	99%	Gain	Gain
		BW	BW	for Power	for PSD
	(MHz)	(MHz)	(MHz)	(dBi)	(dBi)
Low	5500	19.95	16.466	2.20	4.67
Mid	5580	19.80	16.444	2.20	4.67
High	5700	19.85	16.398	2.20	4.67

Limits

Channel	Frequency	FCC	ISED	ISED	Power	FCC	ISED
		Power	Power	EIRP	Limit	PSD	PSD
		Limit	Limit	Limit		Limit	Limit
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm/1Mhz)	(dBm/1Mhz)
Low	5500	24.00	23.17	29.17	23.17	11.00	11.00
Mid	5580	23.97	23.16	29.16	23.16	11.00	11.00
High	5700	23.98	23.15	29.15	23.15	11.00	11.00

Duty Cycle CF (dB) 2.93	Included in Calculations of Corr'd Power & PSD	
-------------------------	--	--

Output Power Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	Power	Power
		Meas	Meas	Meas	Corr'd	Limit	Margin
		Power	Power	Power	Power		
	(MHz)	(dBm)	(dBm)	(dBm)	(dBm)	(dBm)	(dB)
Low	5500	13.02	13.04	12.28	17.57	23.17	-5.60
Mid	5580	14.84	15.22	14.10	19.52	23.16	-3.64
High	5700	12.86	12.04	11.93	17.07	23.15	-6.08

PSD Results

Channel	Frequency	Antenna 1	Antenna 2	Antenna 3	Total	PSD	PSD
		Meas	Meas	Meas	Corr'd	Limit	Margin
		PSD	PSD	PSD	PSD		
	(MHz)	(dBm/	(dBm/	(dBm/	(dBm/	(dBm/ 1MHz)	(dB)
		1MHz)	1MHz)	1MHz)	1MHz)		
Low	5500	1.576	1.081	0.775	8.858	11.00	-2.14
Mid	5580	1.278	1.405	0.608	8.812	11.00	-2.19
High	5700	1.248	1.357	0.533	8.762	11.00	-2.24

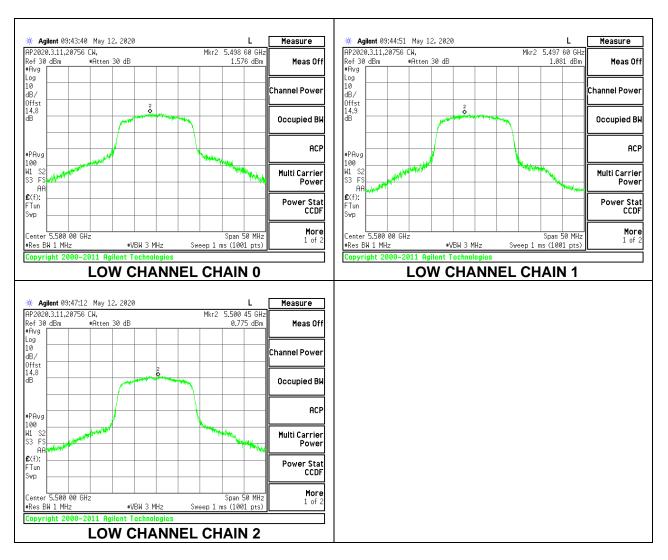
Page 95 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA

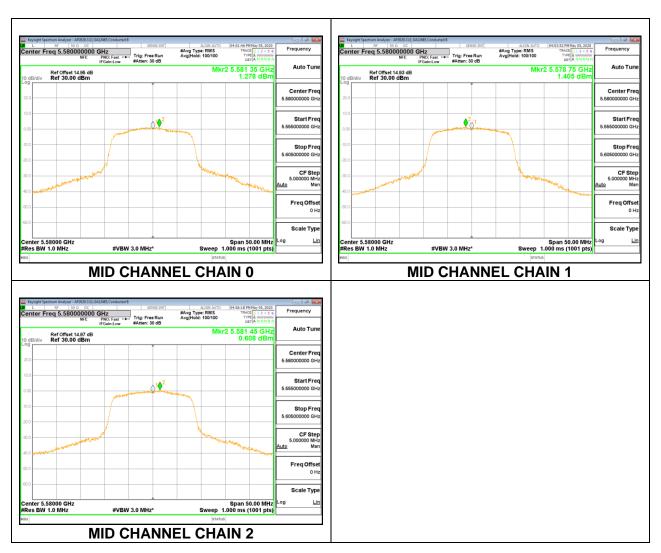
TEL:(510) 319-4000

FAX:(510) 661-0888

This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

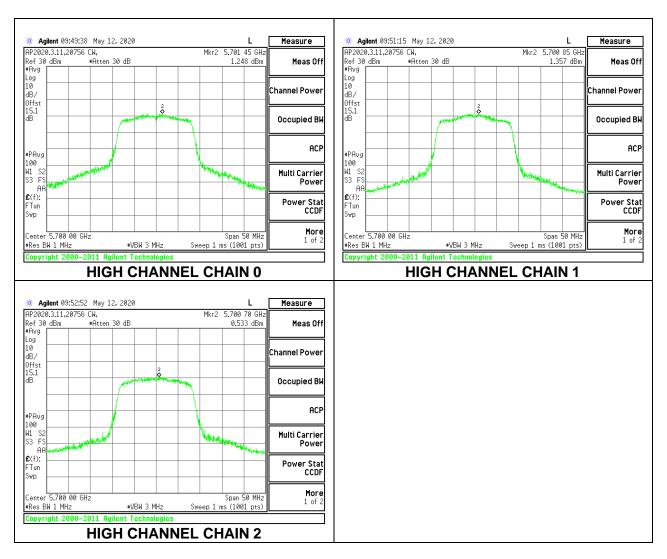


Page 96 of 197



MID CHANNEL

Page 97 of 197



Page 98 of 197

UL VERIFICATION SERVICES INC. 47173 Benicia Street, Fremont, CA 94538; USA