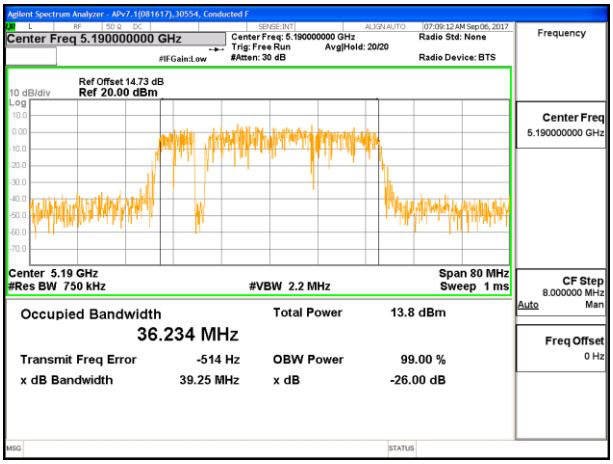
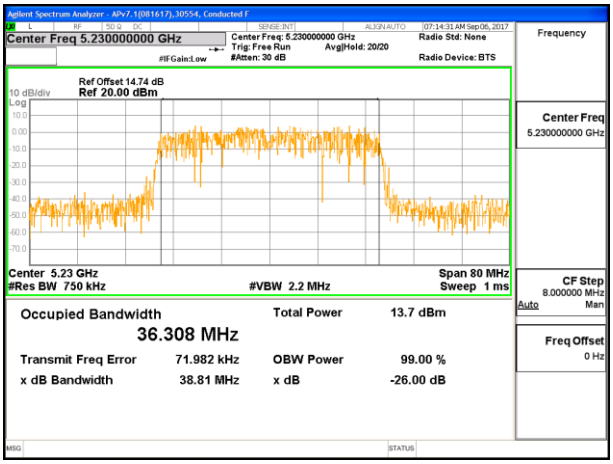
10.2.2. 802.11n HT40 MODE IN THE 5.2 GHz BAND

1TX Antenna A

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5190	36.234
High	5230	36.308



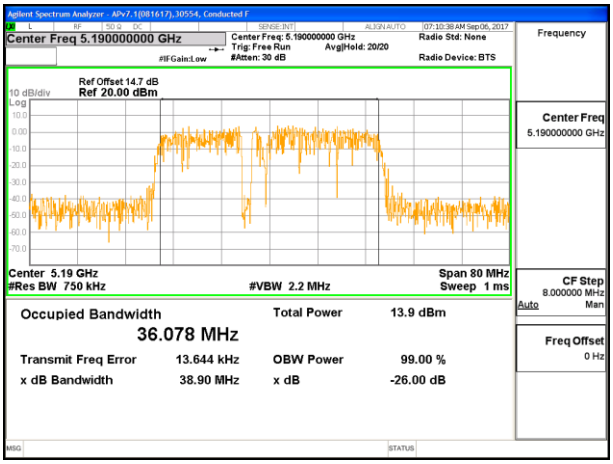
LOW CHANNEL



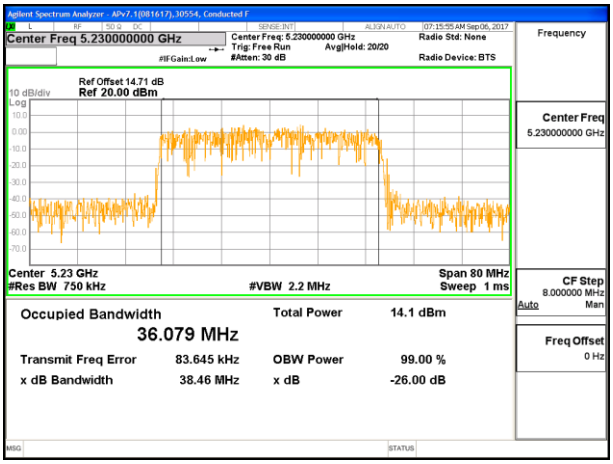
HIGH CHANNEL

1TX Antenna B

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5190	36.078
High	5230	36.079



LOW CHANNEL



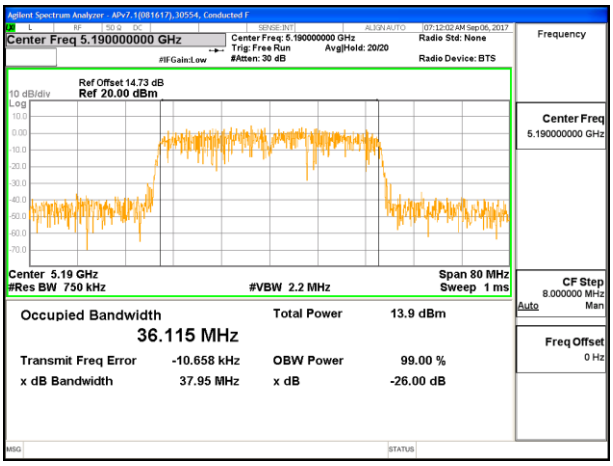
HIGH CHANNEL

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

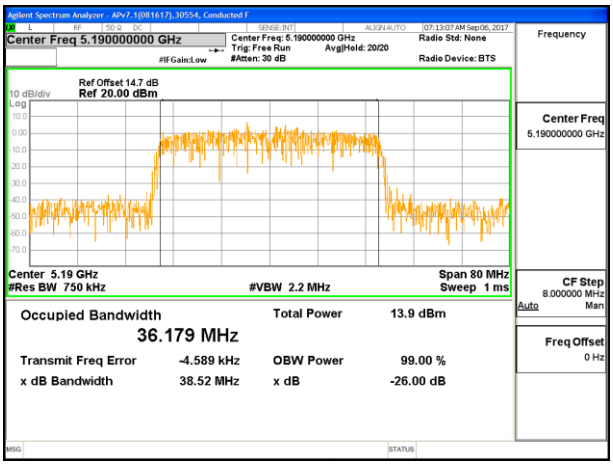
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5190	36.1150	36.1790
High	5230	36.1670	36.1620

LOW CHANNEL

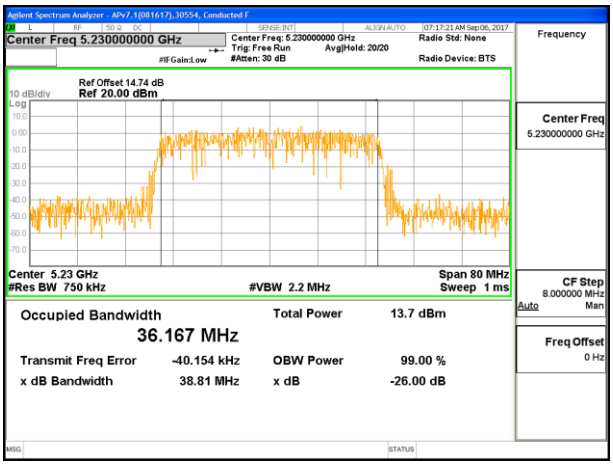


LOW CHANNEL ANT A

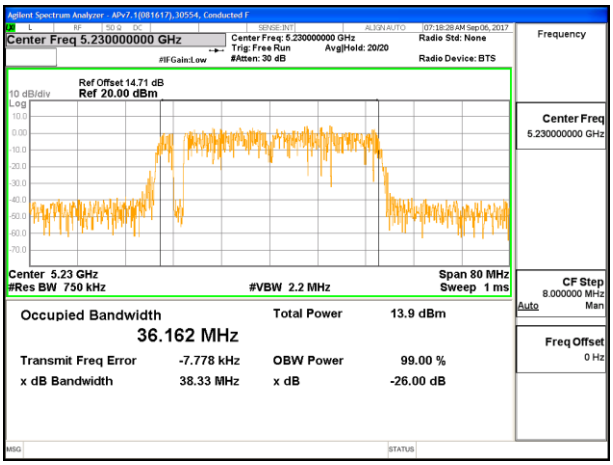


LOW CHANNEL ANT B

HIGH CHANNEL



HIGH CHANNEL ANT A



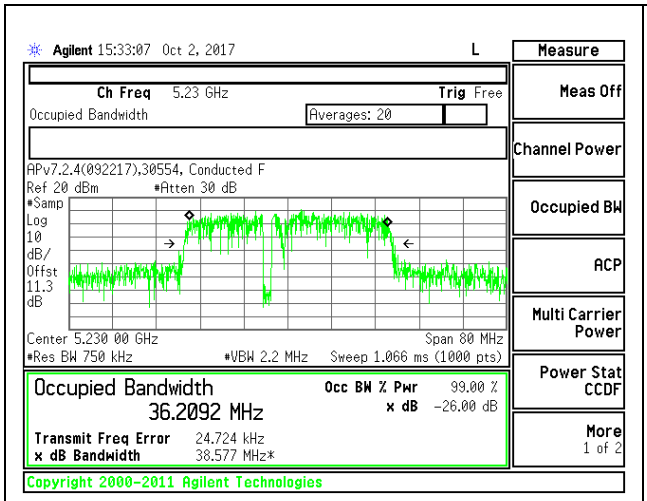
HIGH CHANNEL ANT B

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

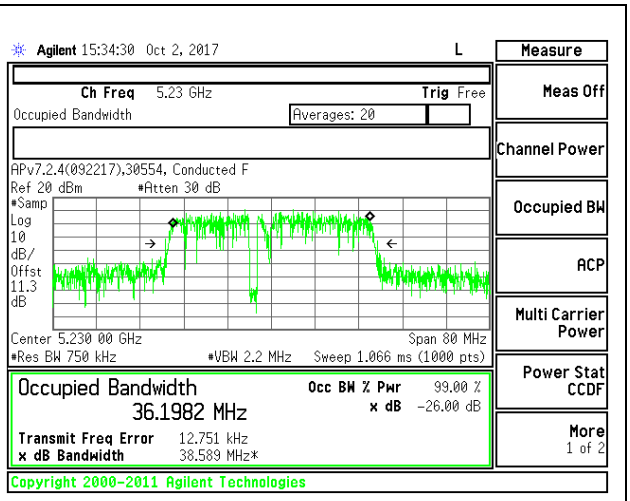
2TX Antenna A + Antenna B STBC MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
High	5230	36.2092	36.1982

HIGH CHANNEL



HIGH CHANNEL ANT A



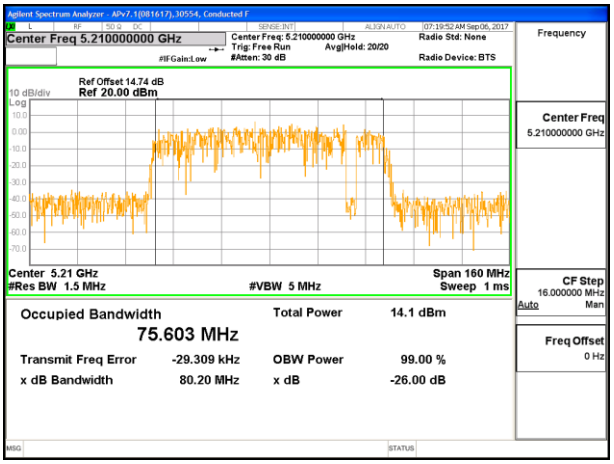
HIGH CHANNEL ANT B

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

10.2.3. 802.11ac VHT80 MODE IN THE 5.2 GHz BAND

1TX Antenna A

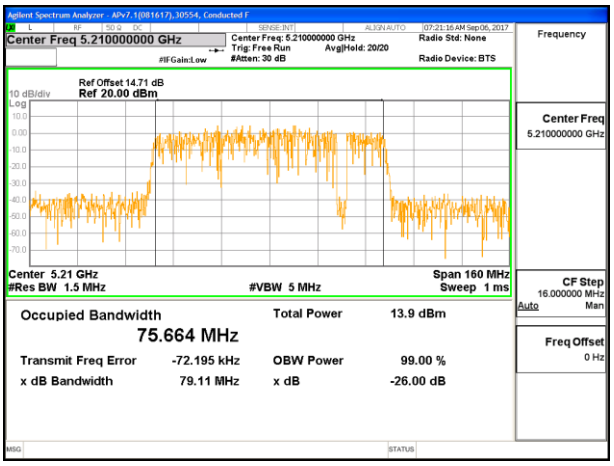
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5210	75.603



MID CHANNEL

1TX Antenna B

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5210	75.664



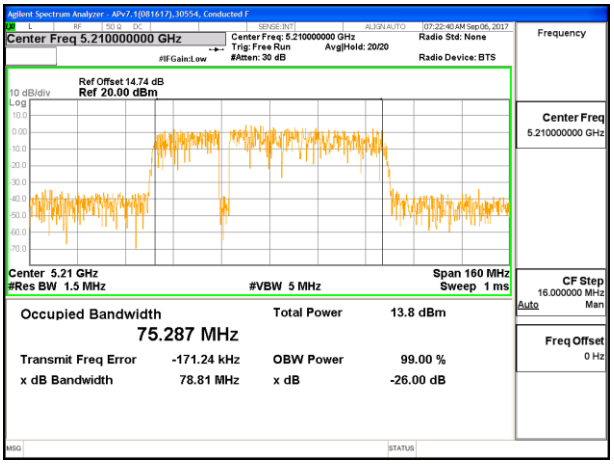
MID CHANNEL

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

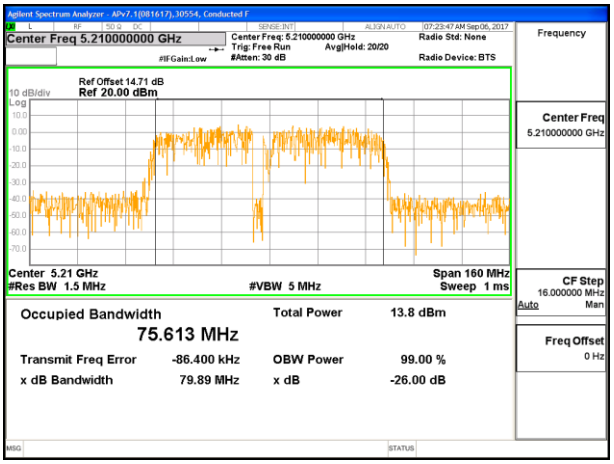
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Mid	5210	75.287	75.613

MID CHANNEL



MID CHANNEL ANT A



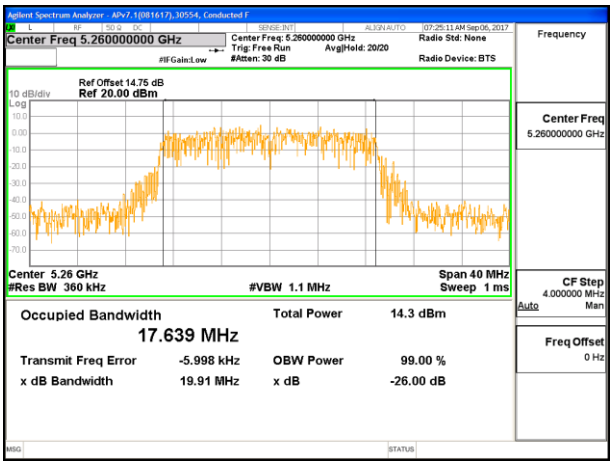
MID CHANNEL ANT B

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

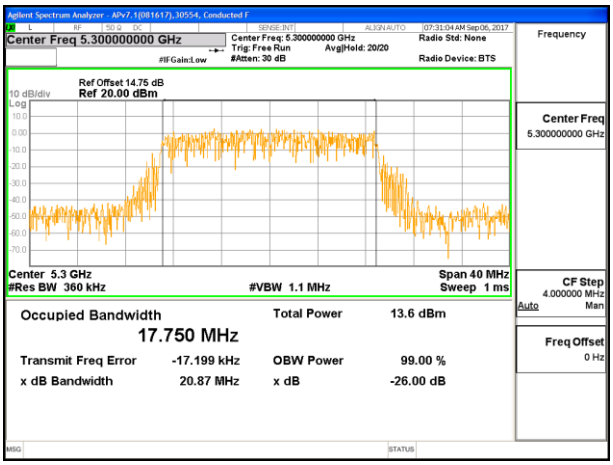
10.2.4. 802.11n HT20 MODE IN THE 5.3 GHz BAND

1TX Antenna A

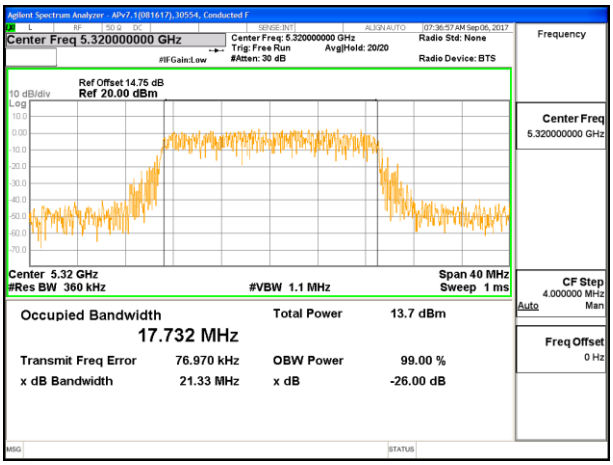
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5260	17.6390
Mid	5300	17.7500
High	5320	17.7320



LOW CHANNEL



MID CHANNEL

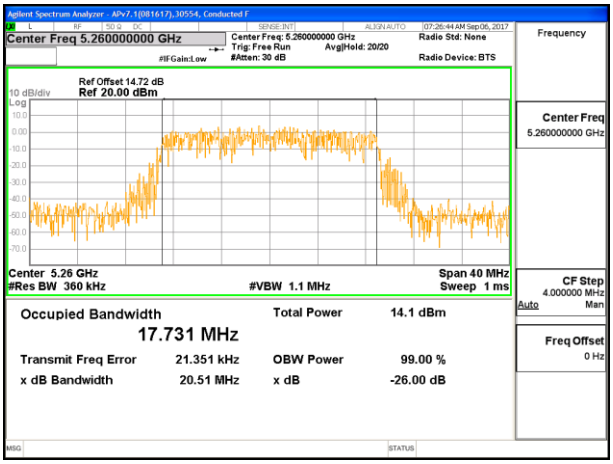


HIGH CHANNEL

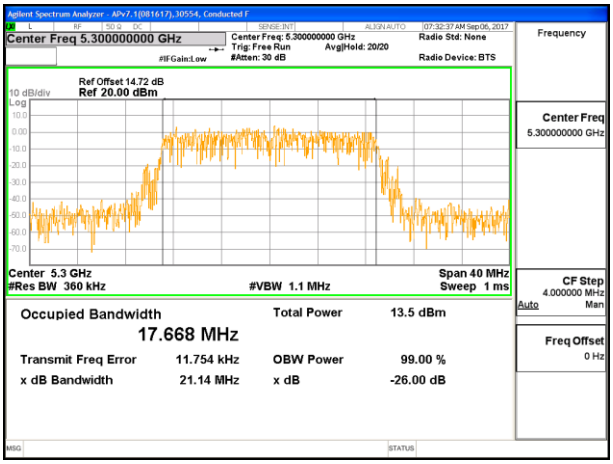
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

1TX Antenna B

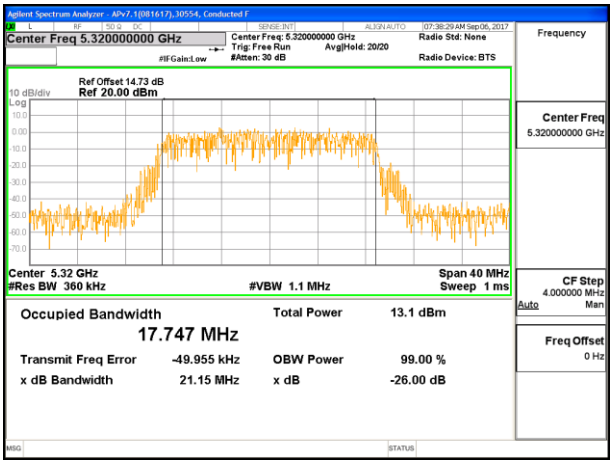
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5260	17.731
Mid	5300	17.668
High	5320	17.747



LOW CHANNEL



MID CHANNEL



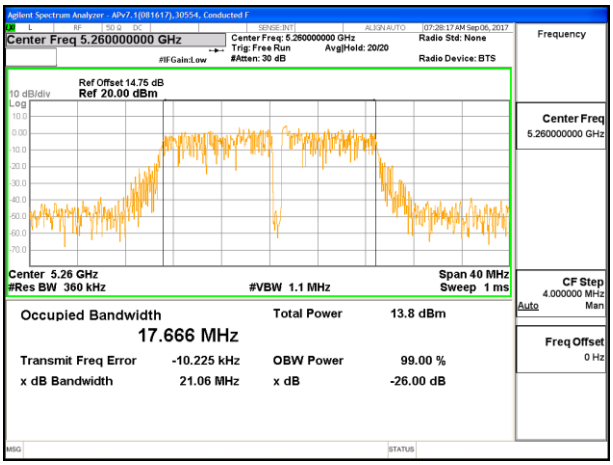
HIGH CHANNEL

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

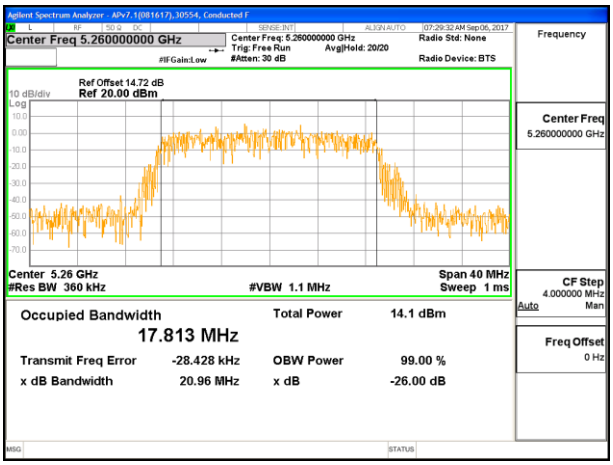
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5260	17.6660	17.8130
Mid	5300	17.6290	17.6320
High	5320	17.6440	17.6930

LOW CHANNEL

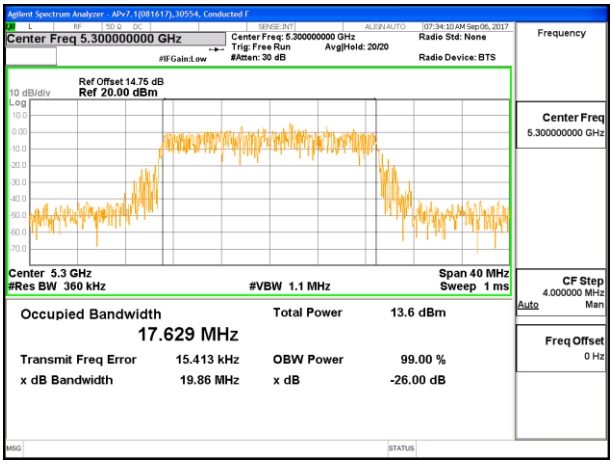


LOW CHANNEL ANT A

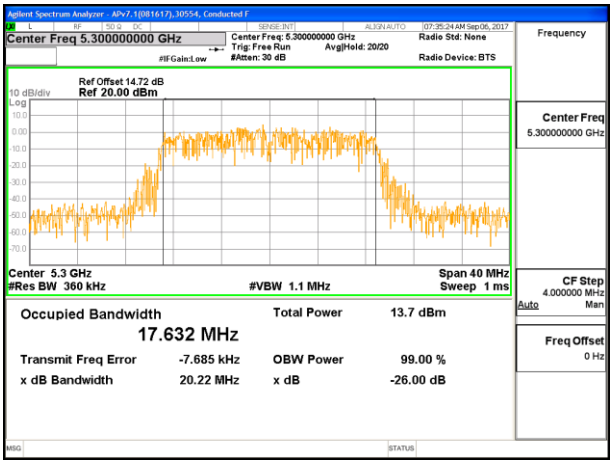


LOW CHANNEL ANT B

MID CHANNEL



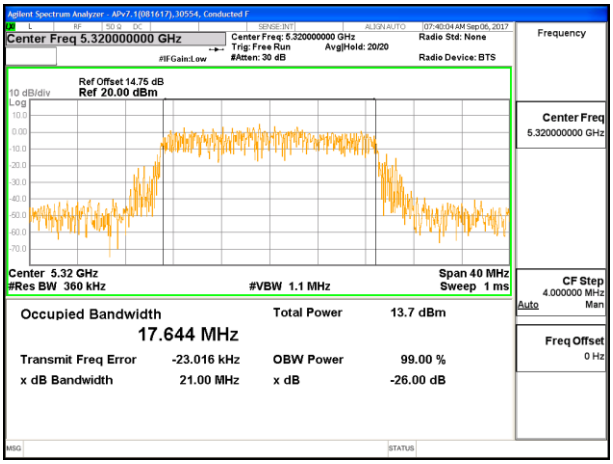
MID CHANNEL ANT A



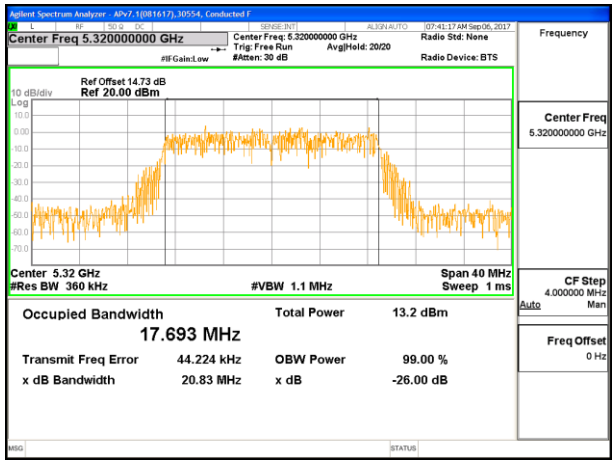
MID CHANNEL ANT B

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

HIGH CHANNEL



HIGH CHANNEL ANT A



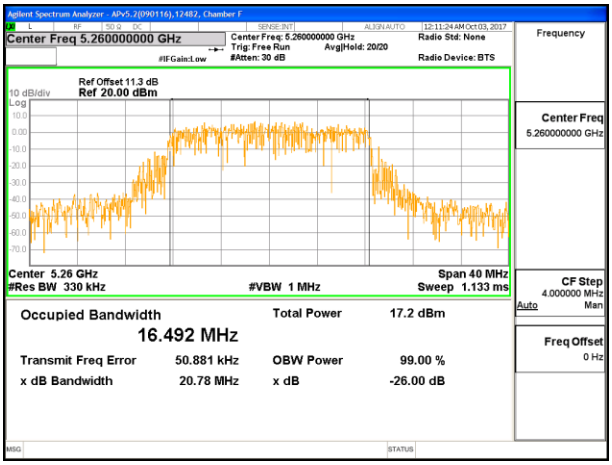
HIGH CHANNEL ANT B

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

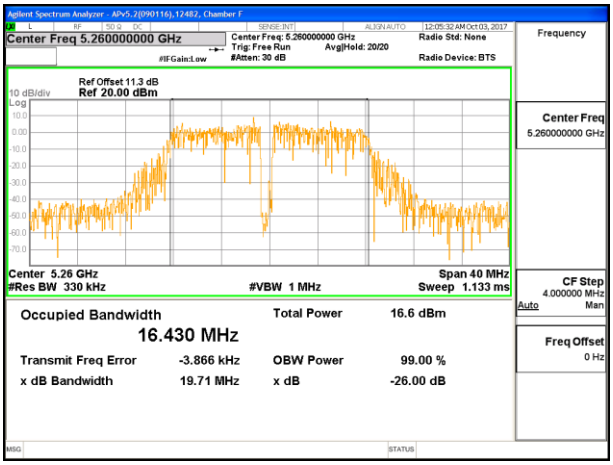
2TX Antenna A + Antenna B STBC MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5260	16.4920	16.4300
Mid	5300	17.7231	17.6375

LOW CHANNEL

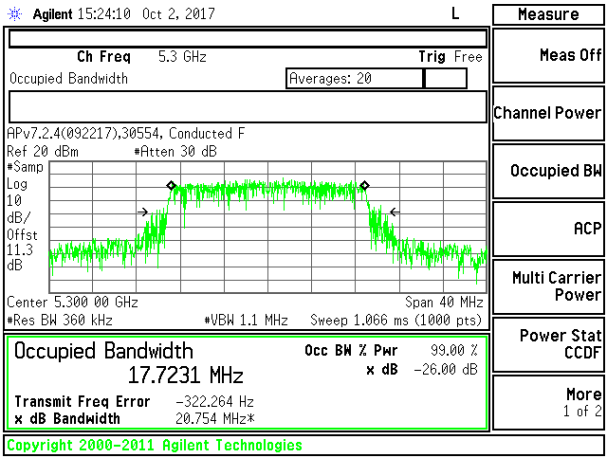


LOW CHANNEL ANT A

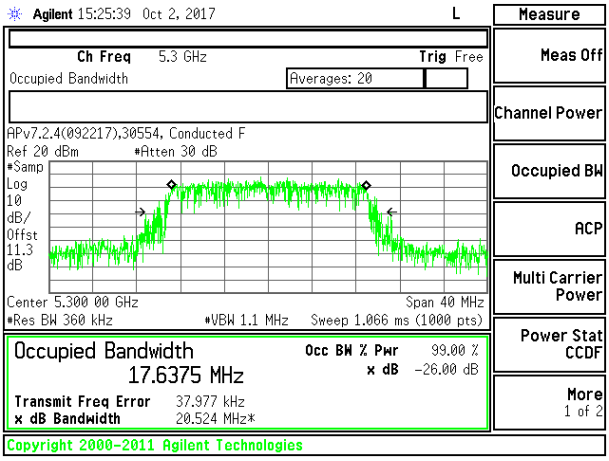


LOW CHANNEL ANT B

MID CHANNEL



MID CHANNEL ANT A



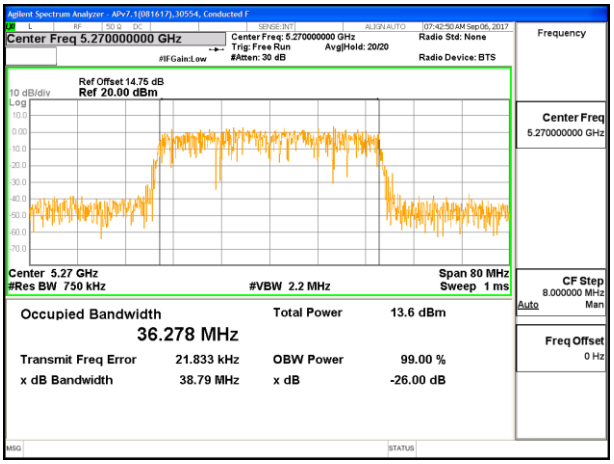
MID CHANNEL ANT B

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

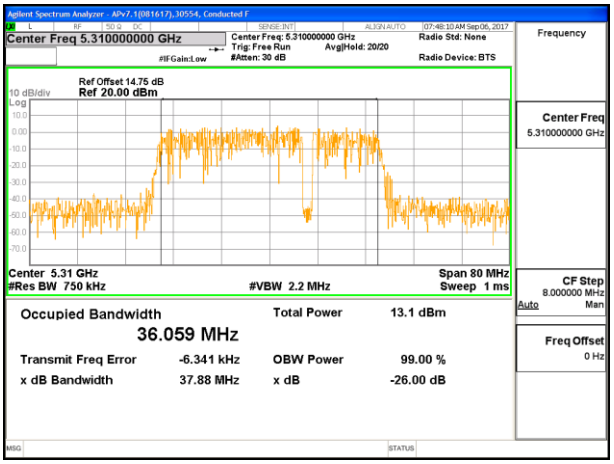
10.2.5. 802.11n HT40 MODE IN THE 5.3 GHz BAND

1TX Antenna A

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5270	36.278
High	5310	36.059



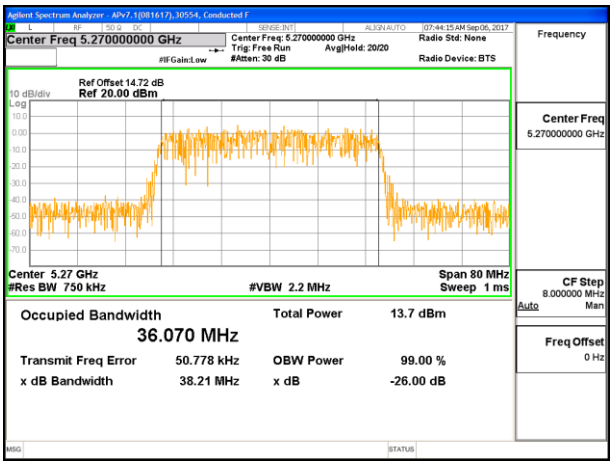
LOW CHANNEL



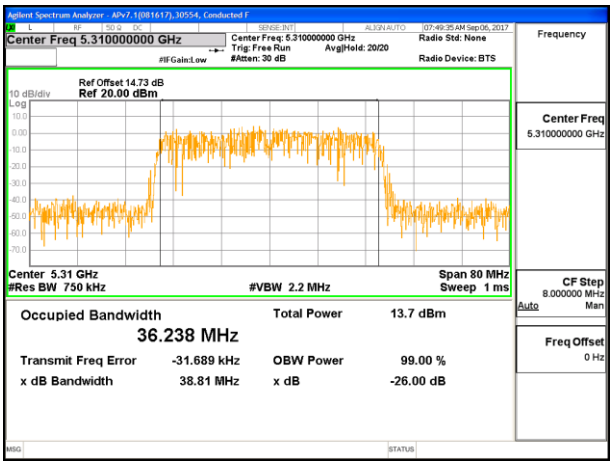
HIGH CHANNEL

1TX Antenna B

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5270	36.070
High	5310	36.238



LOW CHANNEL



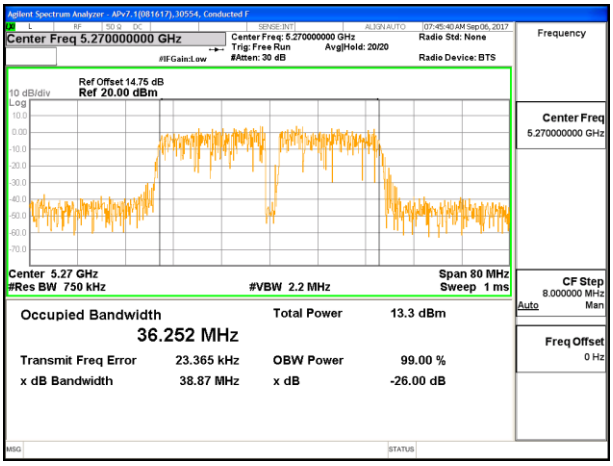
HIGH CHANNEL

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

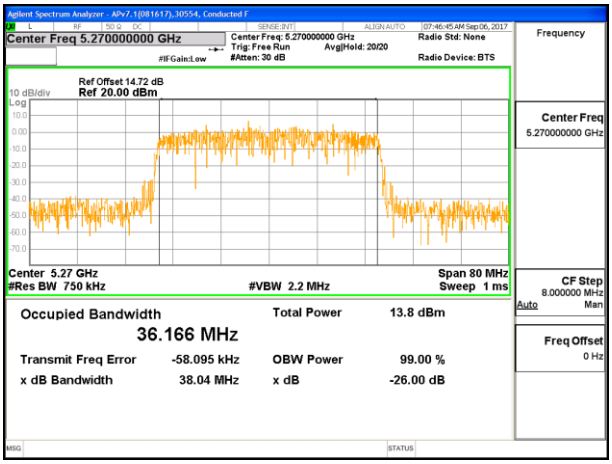
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5270	36.252	36.166
High	5310	36.125	36.410

LOW CHANNEL

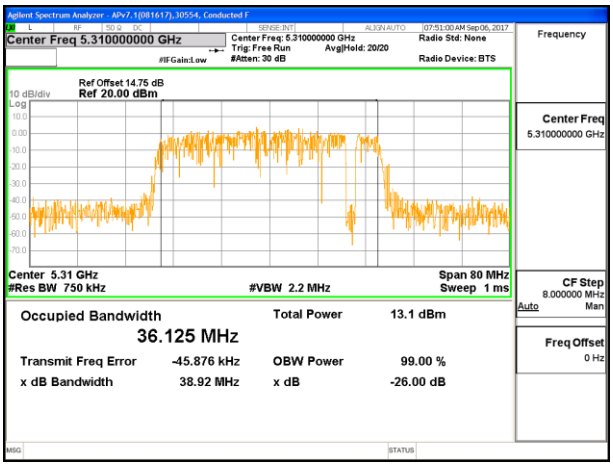


LOW CHANNEL ANT A

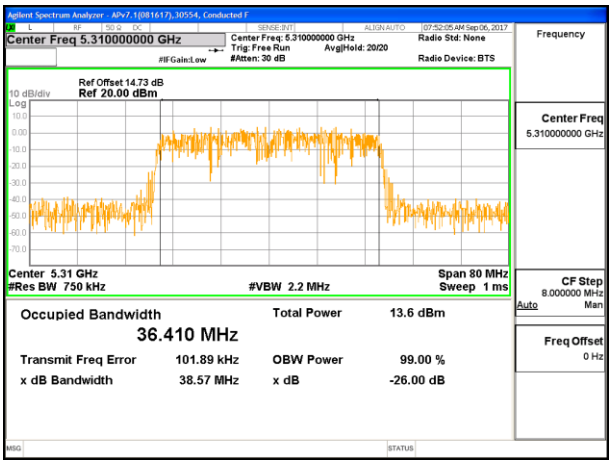


LOW CHANNEL ANT B

HIGH CHANNEL



HIGH CHANNEL ANT A



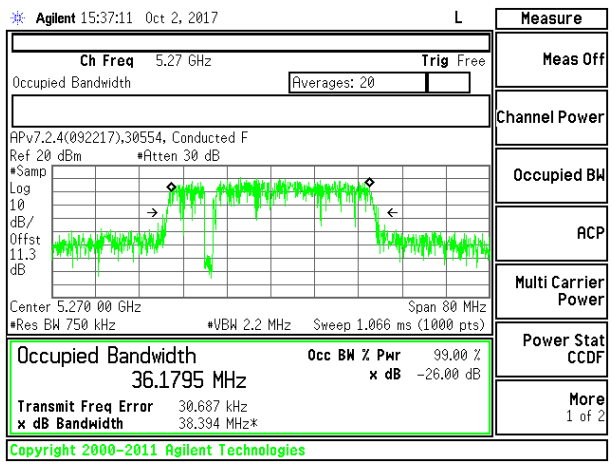
HIGH CHANNEL ANT B

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

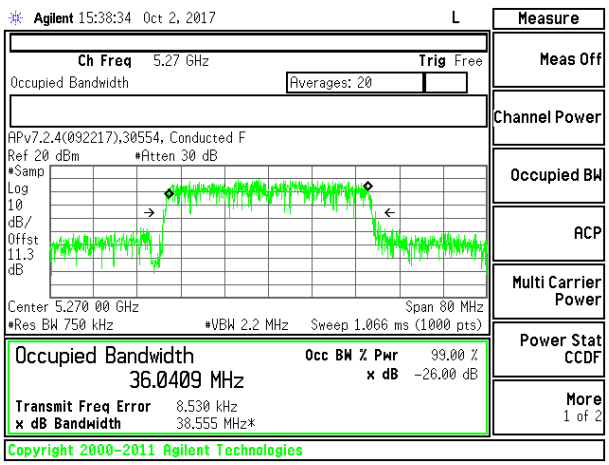
2TX Antenna A + Antenna B STBC MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5270	36.180	36.041

LOW CHANNEL



LOW CHANNEL ANT A



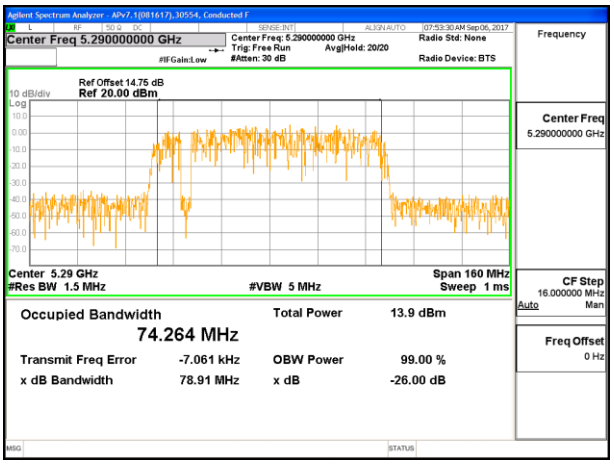
LOW CHANNEL ANT B

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

10.2.6. 802.11ac VHT80 MODE IN THE 5.3 GHz BAND

1TX Antenna A

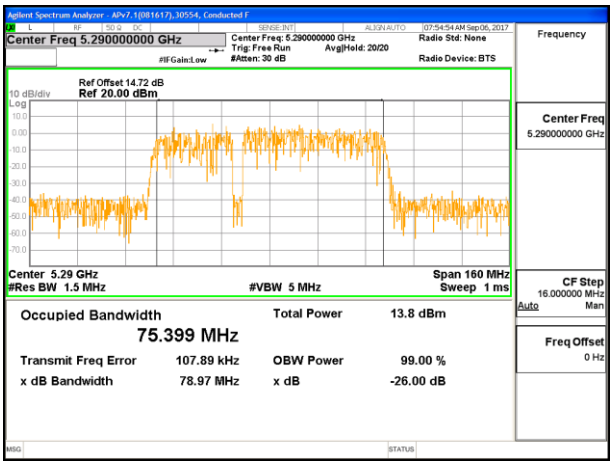
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5290	74.264



MID CHANNEL

1TX Antenna B

Channel	Frequency (MHz)	99% Bandwidth (MHz)
Mid	5290	75.399



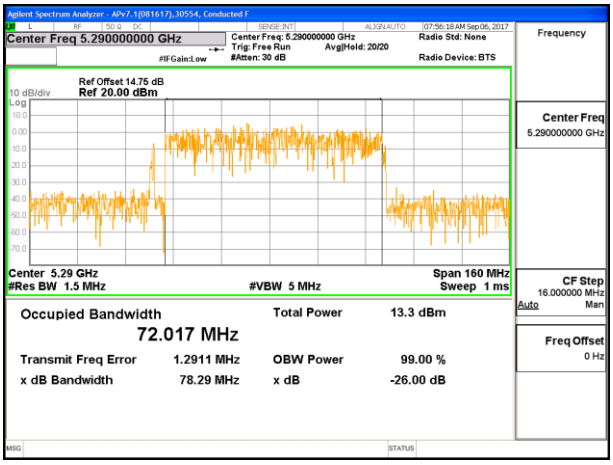
MID CHANNEL

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

2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Mid	5290	72.017	75.574

MID CHANNEL



MID CHANNEL ANT A

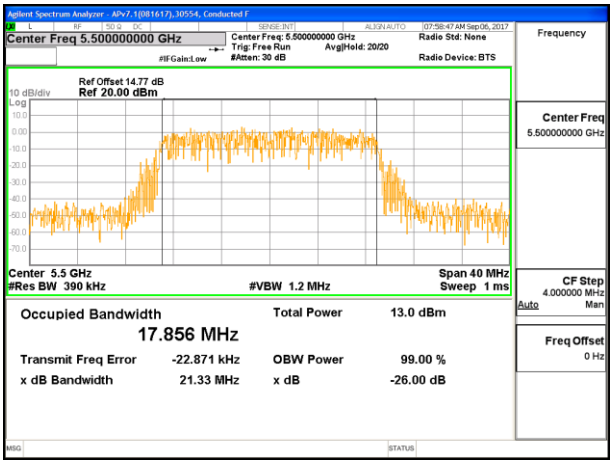
MID CHANNEL ANT B

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

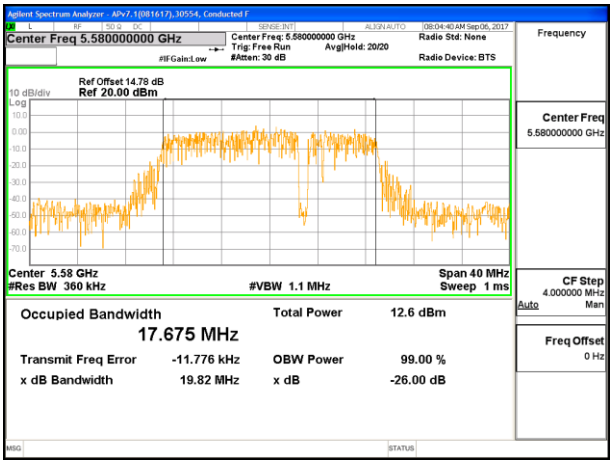
10.2.7. 802.11n HT20 MODE IN THE 5.6 GHz BAND

1TX Antenna A

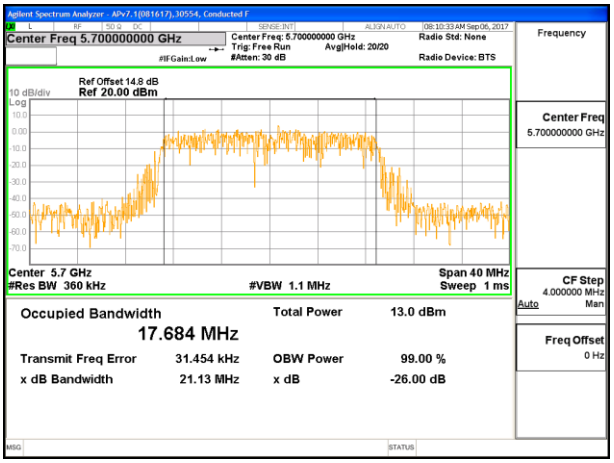
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5500	17.856
Mid	5580	17.675
High	5700	17.684
144	5720	17.791



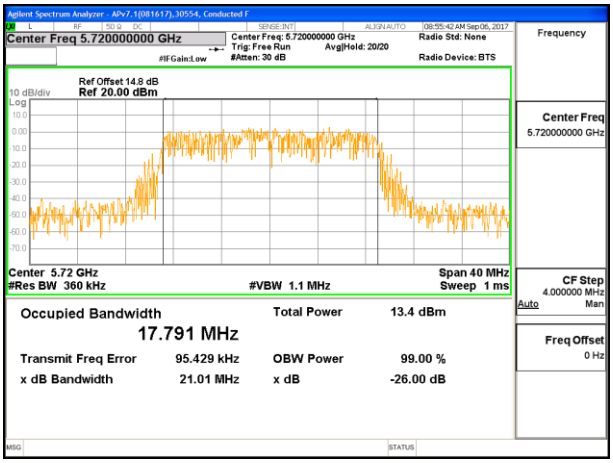
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

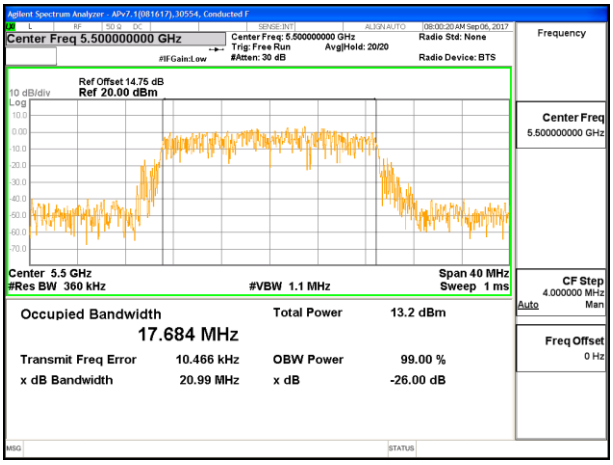


CHANNEL 144

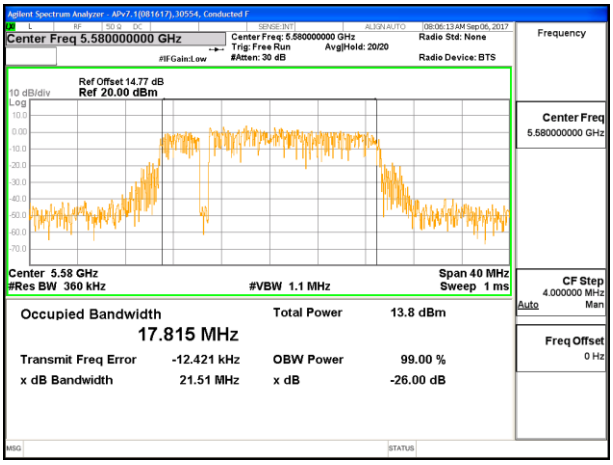
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

1TX Antenna B

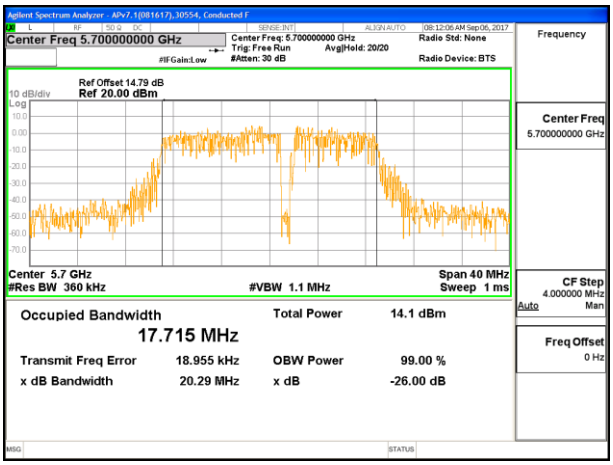
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5500	17.684
Mid	5580	17.815
High	5700	17.715
144	5720	17.673



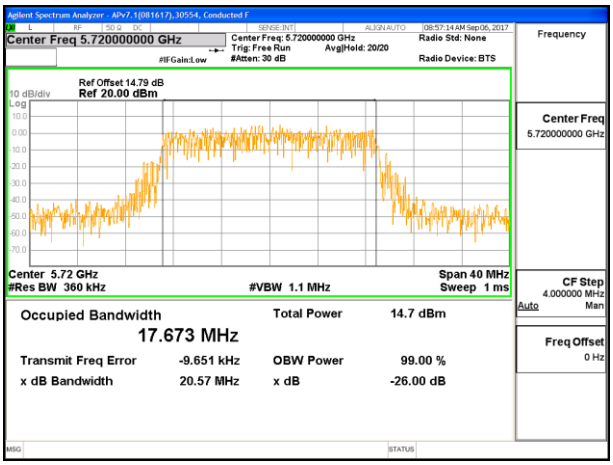
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



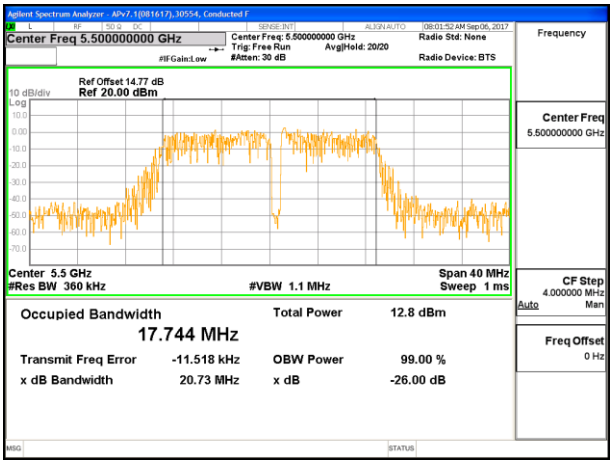
CHANNEL 144

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

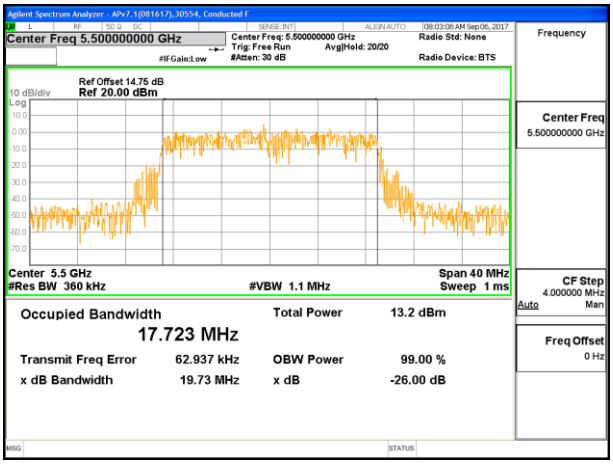
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5500	17.744	17.723
Mid	5580	17.734	17.776
High	5700	17.726	17.796
144	5720	17.865	17.731

LOW CHANNEL

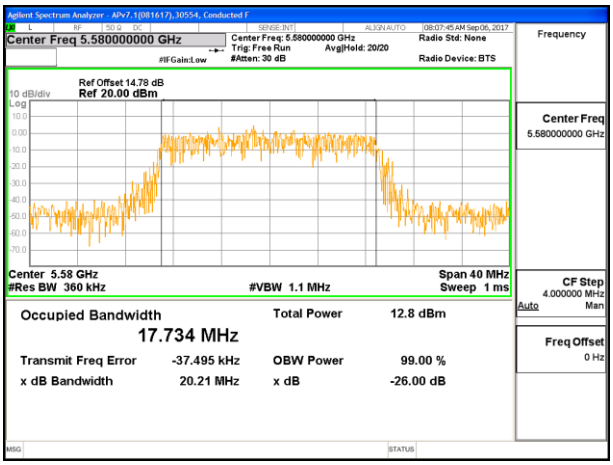


LOW CHANNEL ANT A

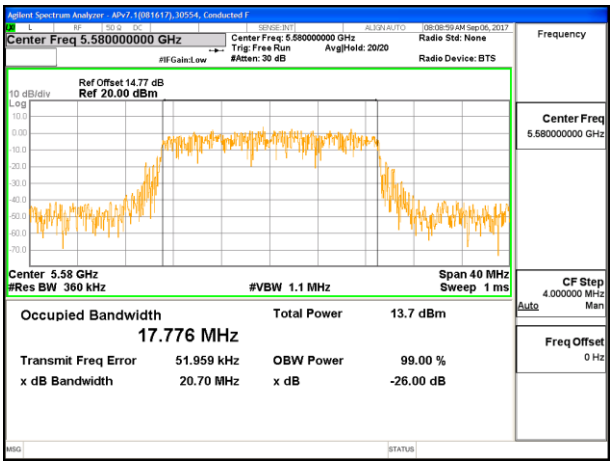


LOW CHANNEL ANT B

MID CHANNEL



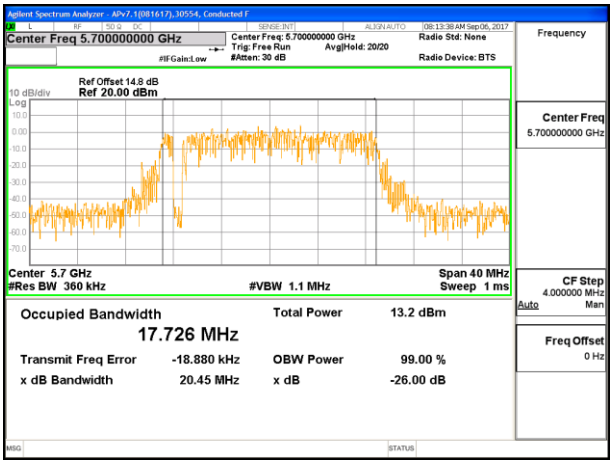
MID CHANNEL ANT A



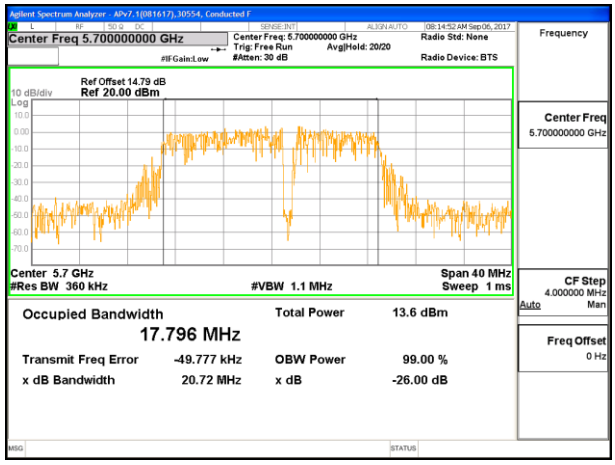
MID CHANNEL ANT B

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

HIGH CHANNEL

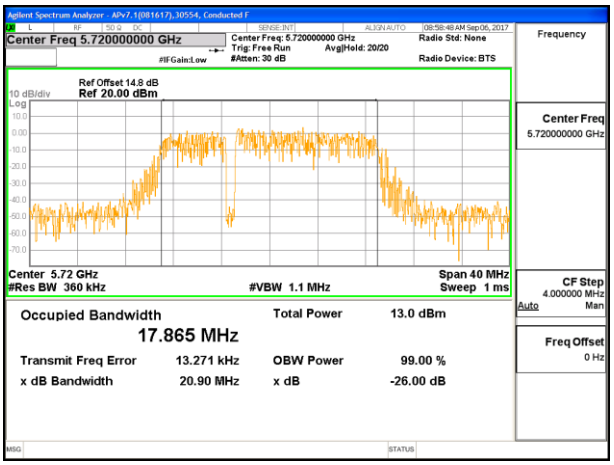


HIGH CHANNEL ANT A

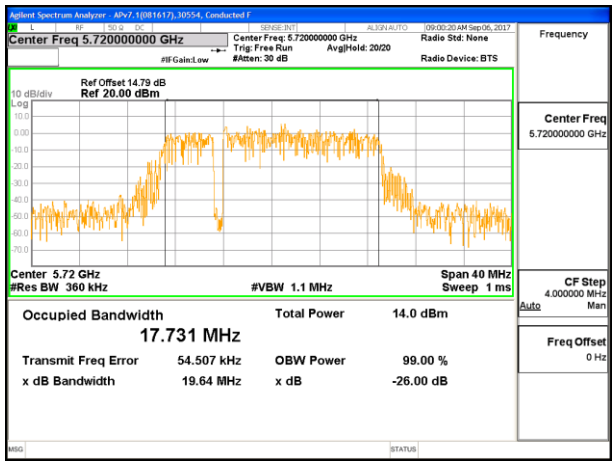


HIGH CHANNEL ANT B

CHANNEL 144



CHANNEL 144 ANT A



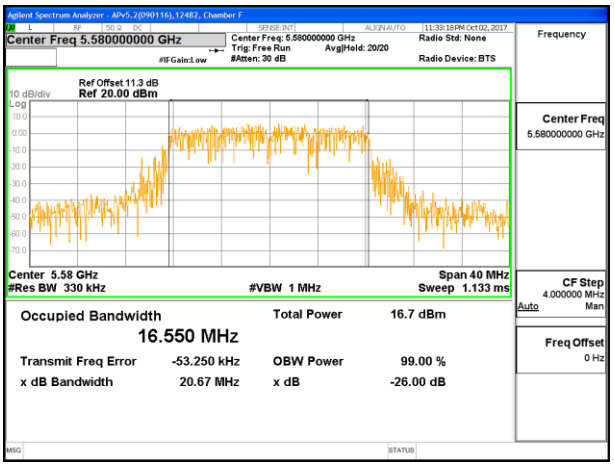
CHANNEL 144 ANT B

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4701J
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

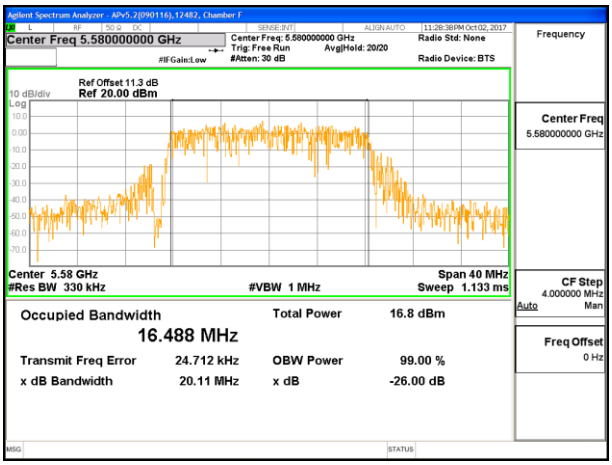
2TX Antenna A + Antenna B STBC MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Mid	5580	16.550	16.488
144	5720	17.678	17.595

MID CHANNEL

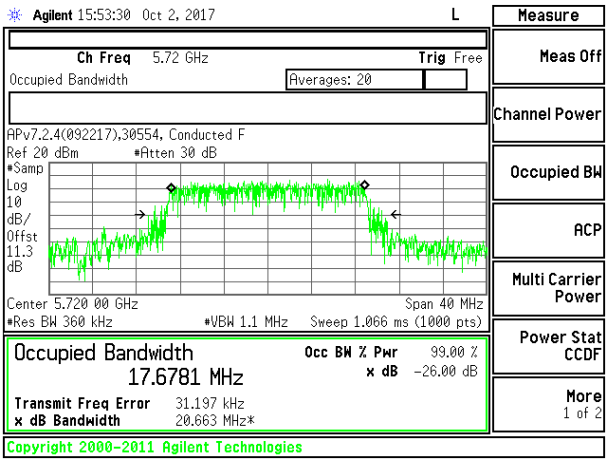


MID CHANNEL ANT A

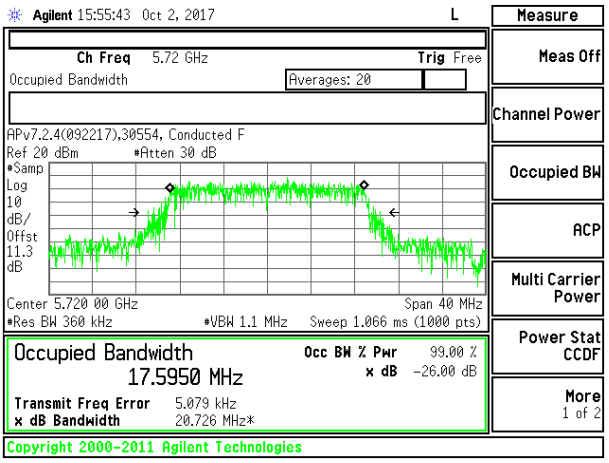


MID CHANNEL ANT B

CHANNEL 144



CHANNEL 144 ANT A



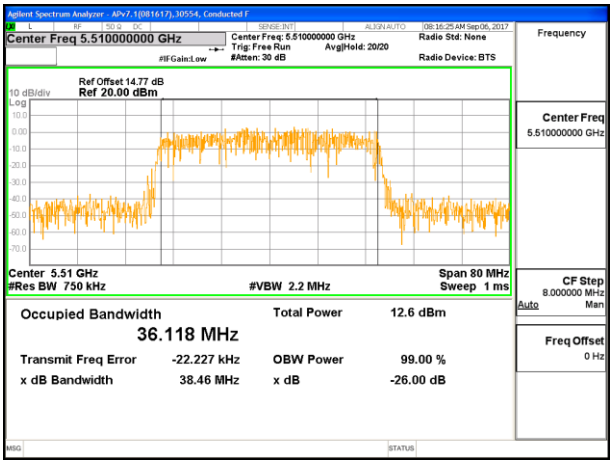
CHANNEL 144 ANT B

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

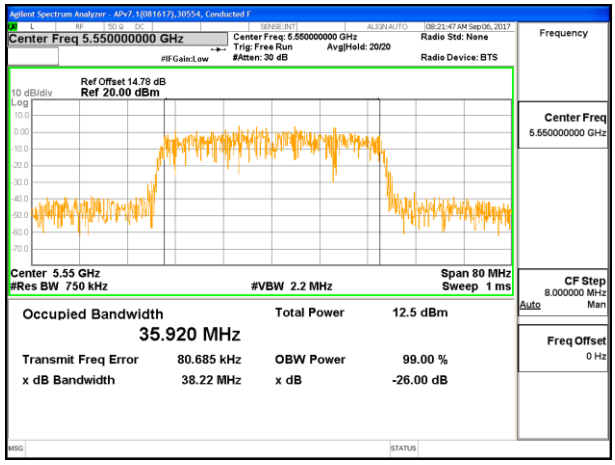
10.2.8. 802.11n HT40 MODE IN THE 5.6 GHz BAND

1TX Antenna A

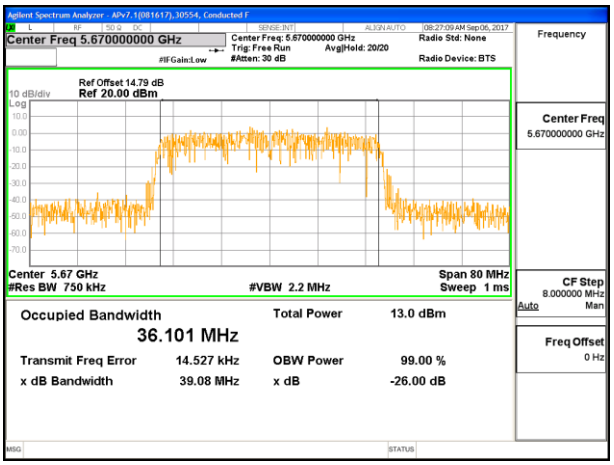
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5510	36.118
Mid	5550	35.920
High	5670	36.101
142	5710	35.977



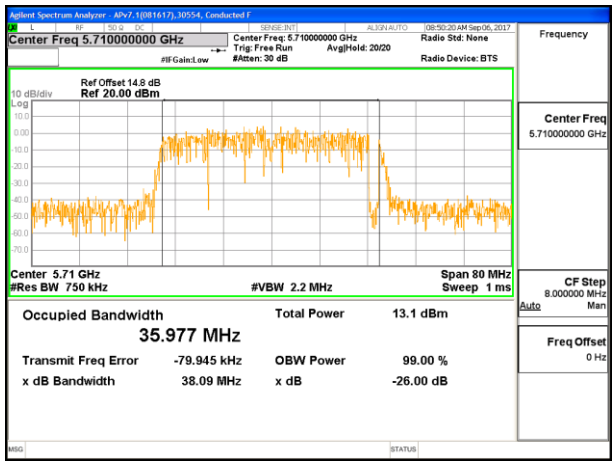
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL

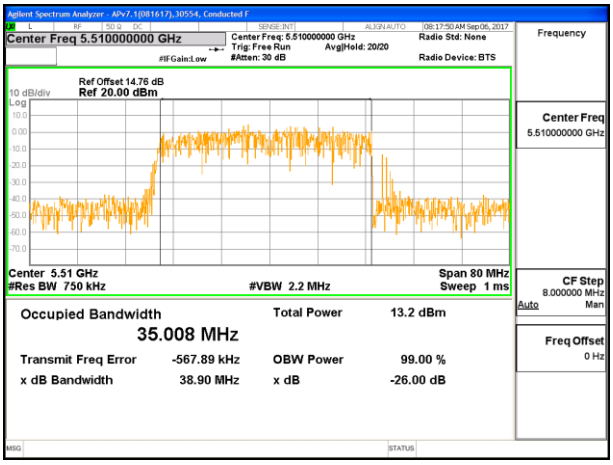


CHANNEL 142

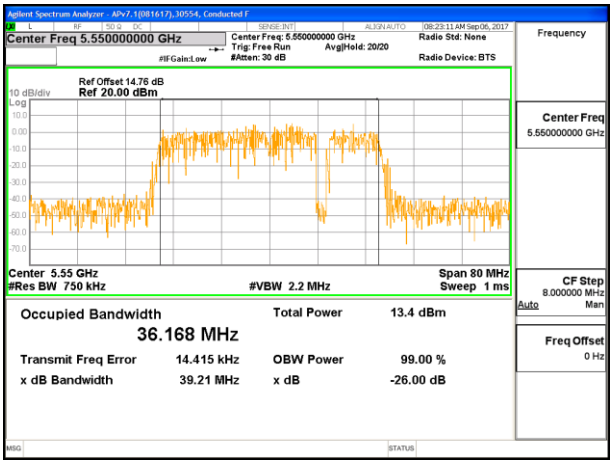
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

1TX Antenna B

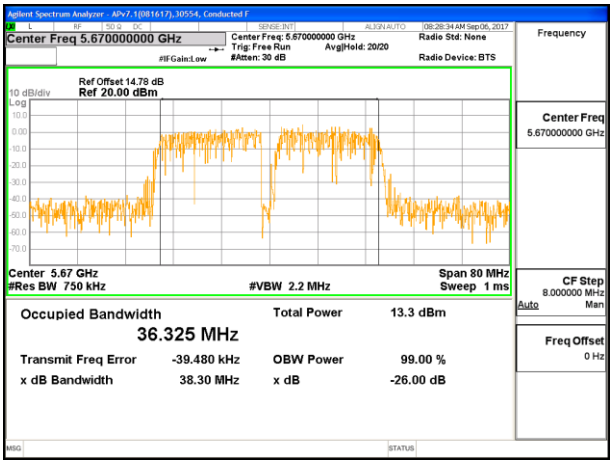
Channel	Frequency (MHz)	99% Bandwidth (MHz)
Low	5510	35.008
Mid	5550	36.168
High	5670	36.325
142	5710	36.313



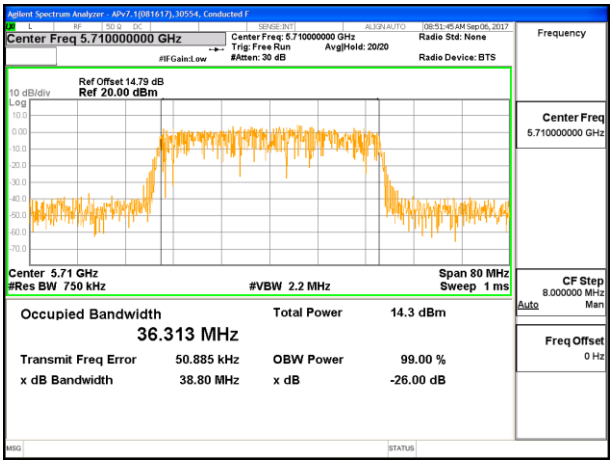
LOW CHANNEL



MID CHANNEL



HIGH CHANNEL



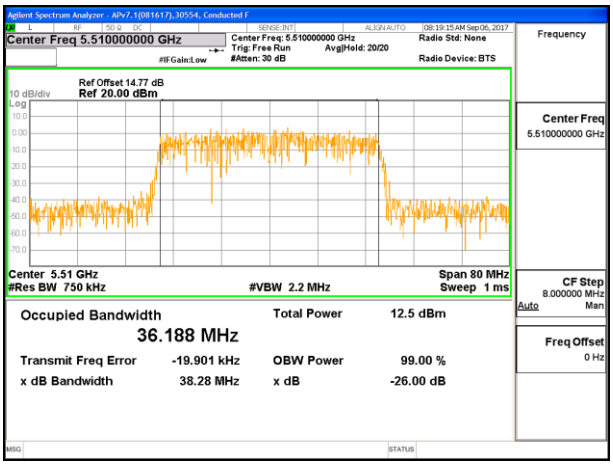
CHANNEL 142

UL VERIFICATION SERVICES INC. FORM NO: CCSUP4701J
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

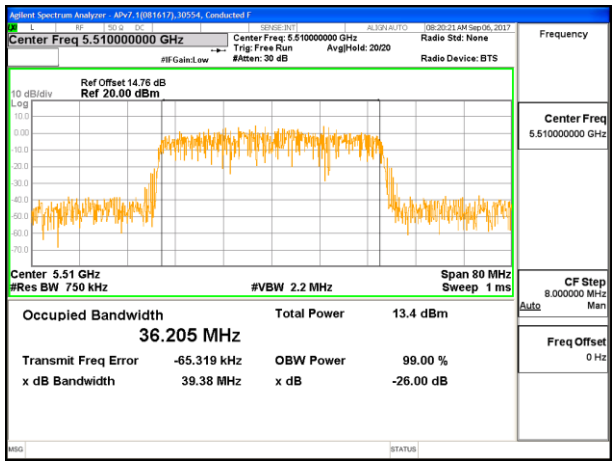
2TX Antenna A + Antenna B CDD MODE

Channel	Frequency (MHz)	99% Bandwidth Ant A (MHz)	99% Bandwidth Ant B (MHz)
Low	5510	36.1880	36.2050
Mid	5550	36.0380	36.1640
High	5670	36.2420	36.2960
142	5710	36.1730	36.3050

LOW CHANNEL

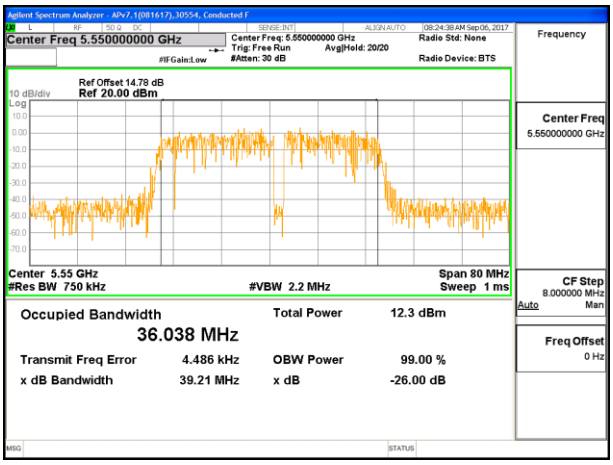


LOW CHANNEL ANT A

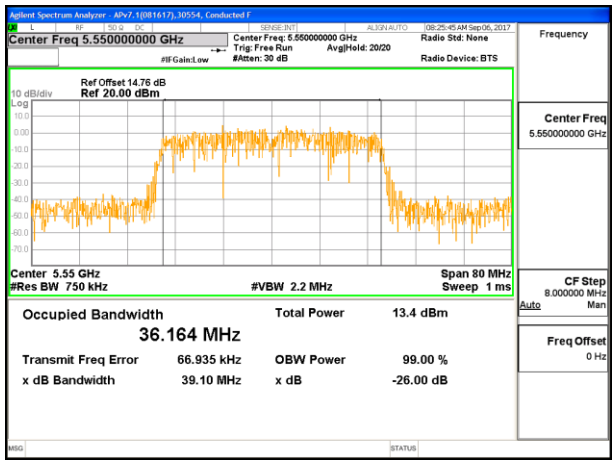


LOW CHANNEL ANT B

MID CHANNEL



MID CHANNEL ANT A



MID CHANNEL ANT B

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