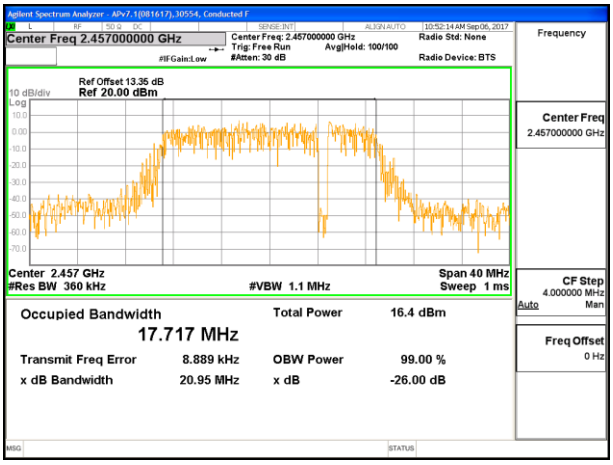
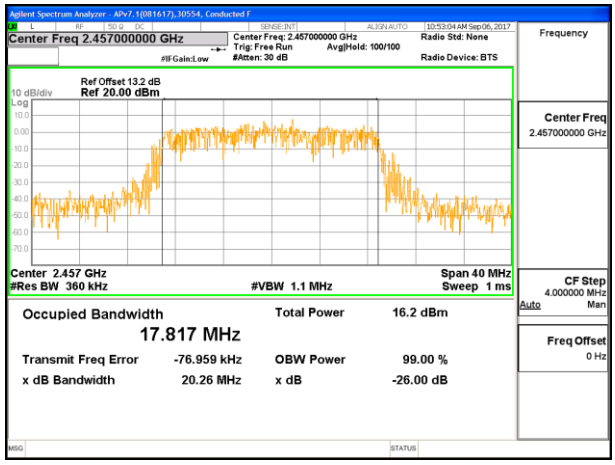
HIGH CHANNEL 10

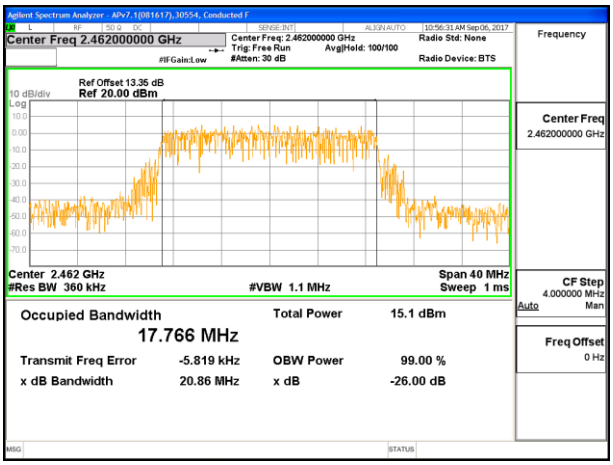


HIGH CHANNEL 10 Antenna A

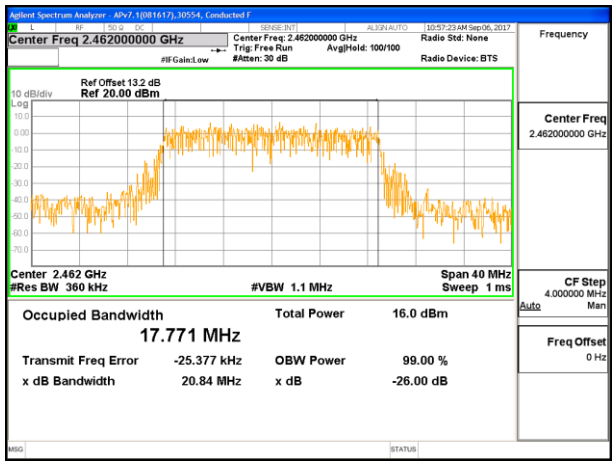


HIGH CHANNEL 10 Antenna B

HIGH CHANNEL 11

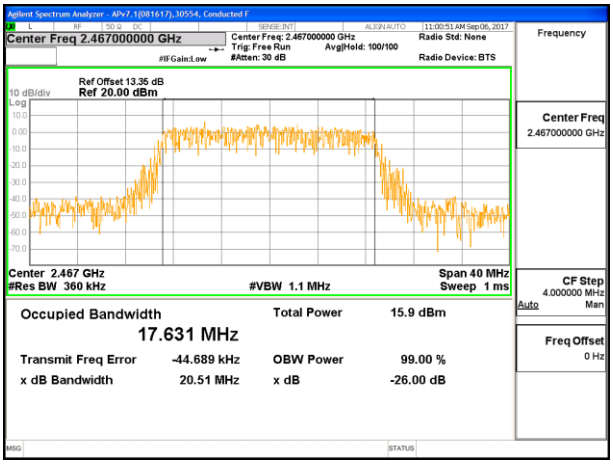


HIGH CHANNEL 11 Antenna A

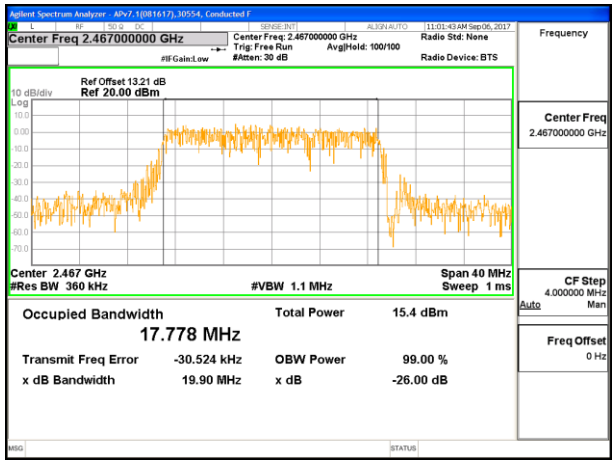


HIGH CHANNEL 11 Antenna B

HIGH CHANNEL 12



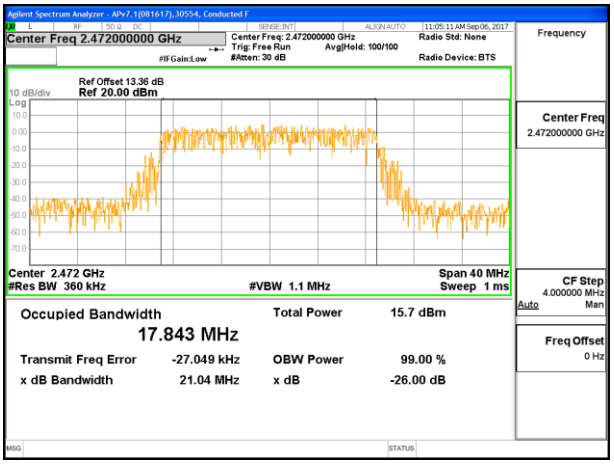
HIGH CHANNEL 12 Antenna A



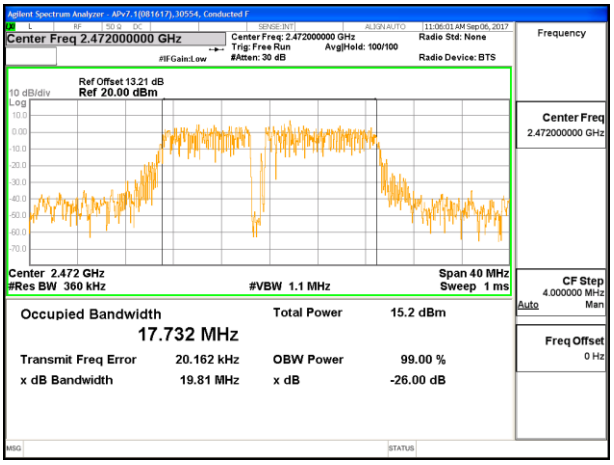
HIGH CHANNEL 12 Antenna B

UL VERIFICATION SERVICES INC.
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.

HIGH CHANNEL 13



HIGH CHANNEL 13 Antenna A



HIGH CHANNEL 13 Antenna B

UL VERIFICATION SERVICES INC.
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.

9.3. 6 dB BANDWIDTH

LIMITS

FCC §15.247 (a) (2)

IC RSS-247 (5.2) (a)

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

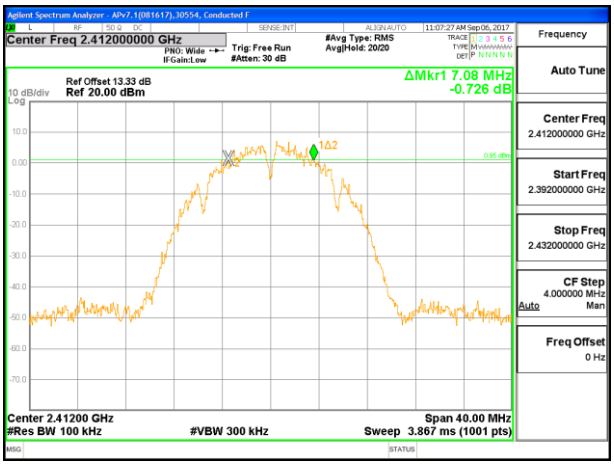
RESULTS

9.3.1. 802.11b MODE

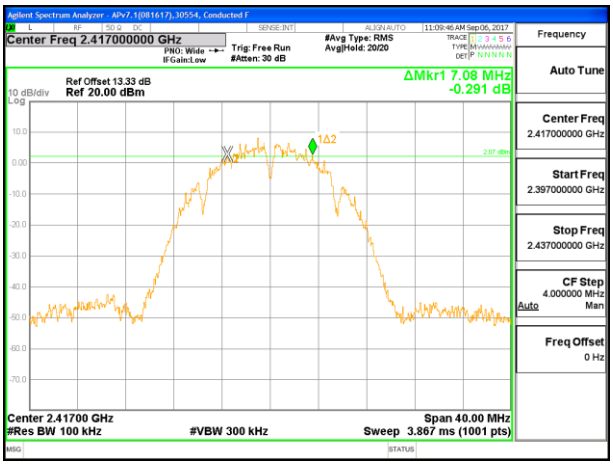
1TX Antenna A

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low 1	2412	7.08	0.5
Low 2	2417	7.08	0.5
Low 3	2422	6.12	0.5
Mid 6	2437	6.56	0.5
High 9	2452	6.08	0.5
High 10	2457	7.64	0.5
High 11	2462	7.60	0.5
High 12	2467	7.08	0.5
High 13	2472	8.04	0.5

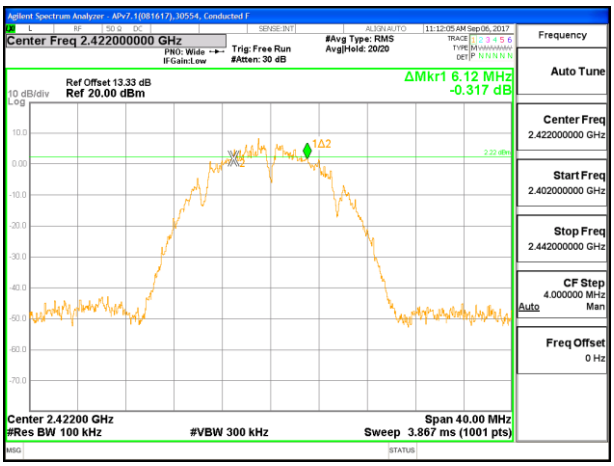
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



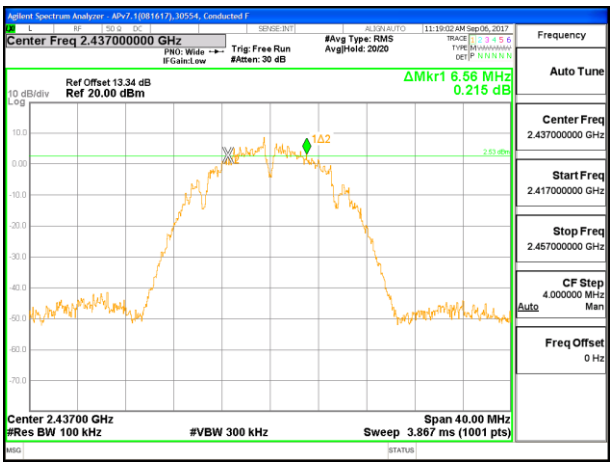
LOW CHANNEL 1



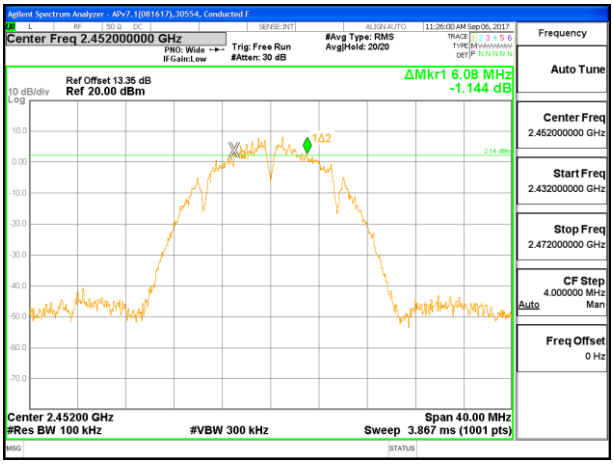
LOW CHANNEL 2



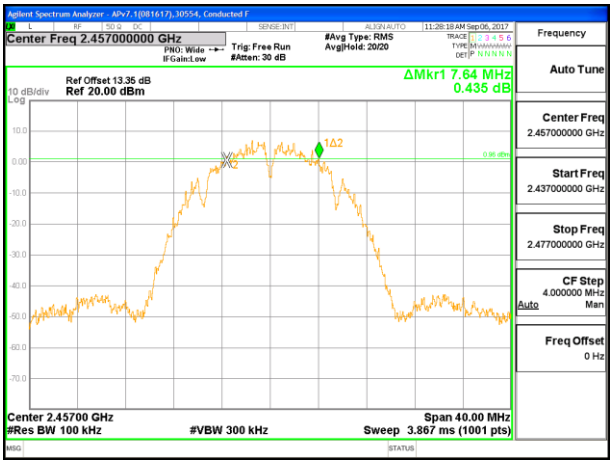
LOW CHANNEL 3



MID CHANNEL 6

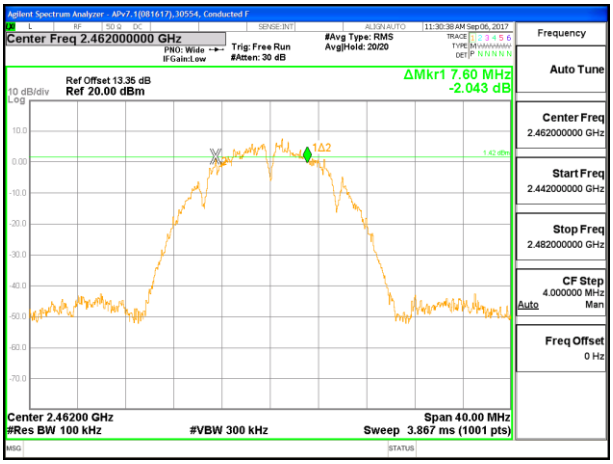


HIGH CHANNEL 9

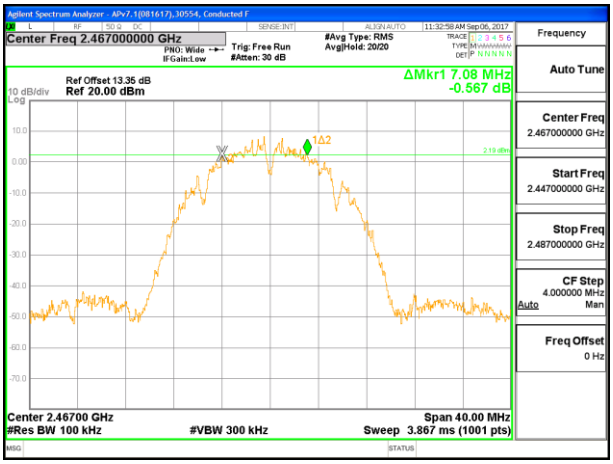


HIGH CHANNEL 10

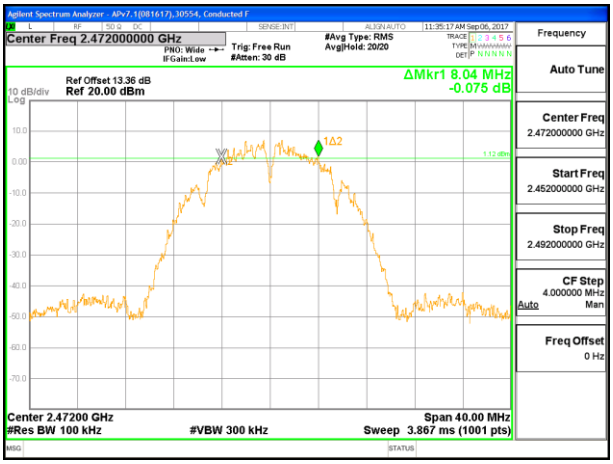
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



HIGH CHANNEL 11



HIGH CHANNEL 12



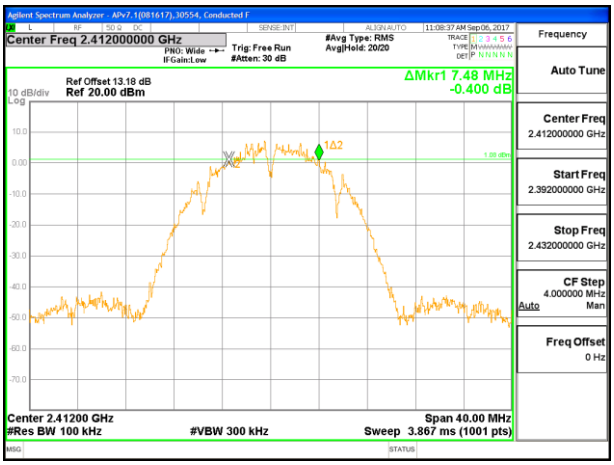
HIGH CHANNEL 13

UL VERIFICATION SERVICES INC.
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.

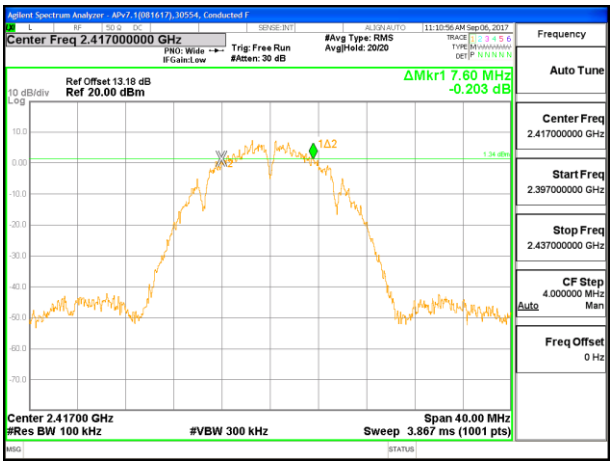
1TX Antenna B MODE

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low 1	2412	7.48	0.5
Low 2	2417	7.60	0.5
Low 3	2422	7.60	0.5
Mid 6	2437	8.20	0.5
High 9	2452	7.68	0.5
High 10	2457	7.12	0.5
High 11	2462	7.12	0.5
High 12	2467	7.56	0.5
High 13	2472	8.56	0.5

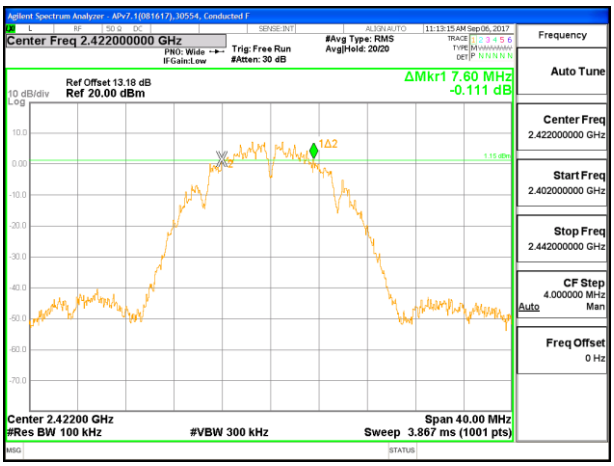
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



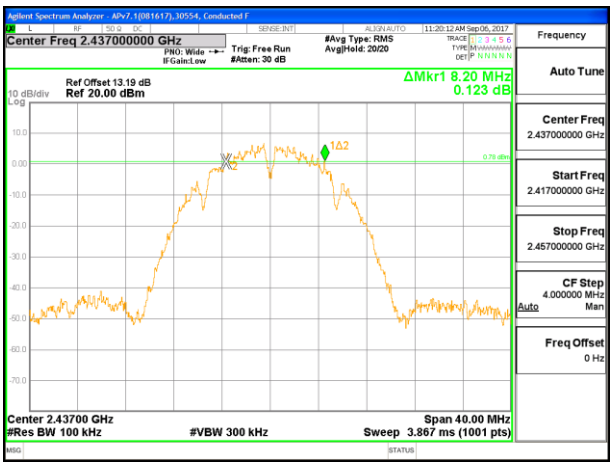
LOW CHANNEL 1



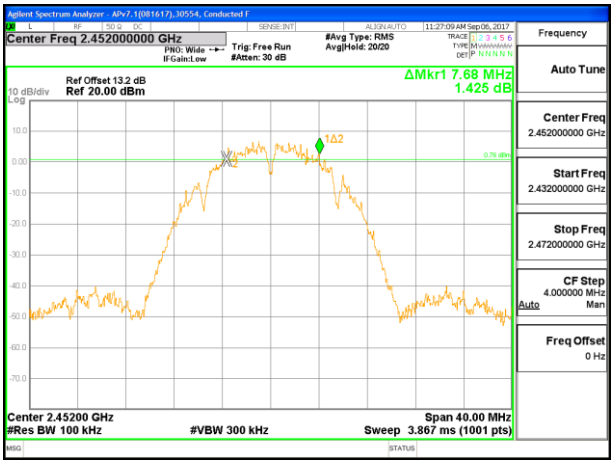
LOW CHANNEL 2



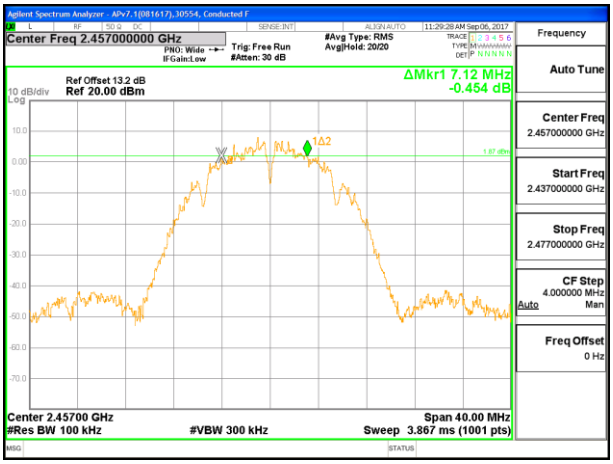
LOW CHANNEL 3



MID CHANNEL 6

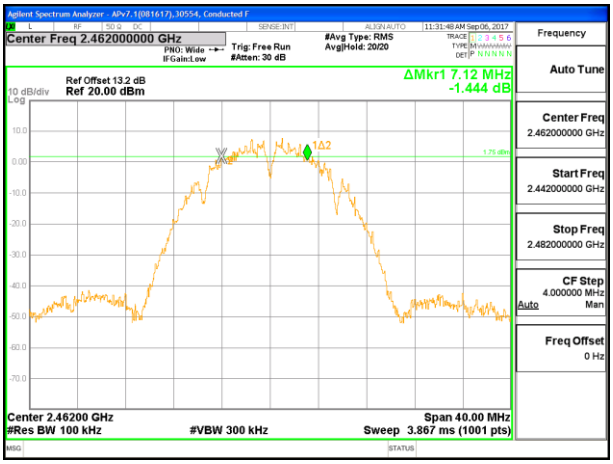


HIGH CHANNEL 9

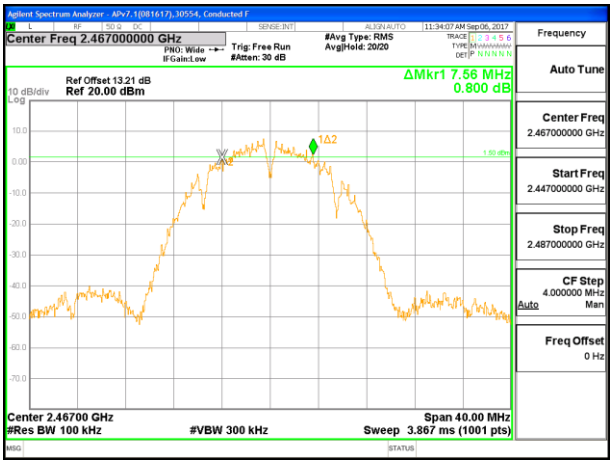


HIGH CHANNEL 10

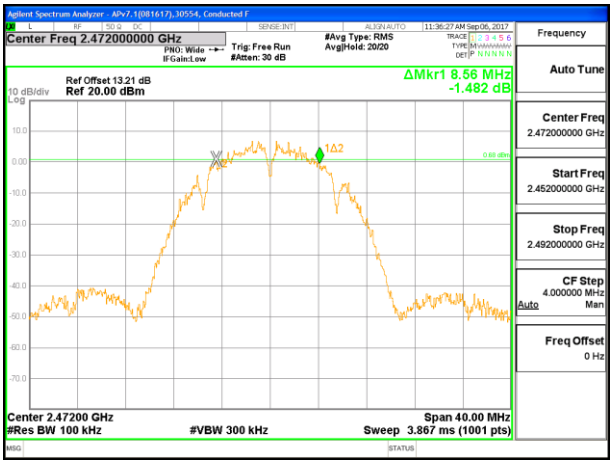
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



HIGH CHANNEL 11



HIGH CHANNEL 12



HIGH CHANNEL 13

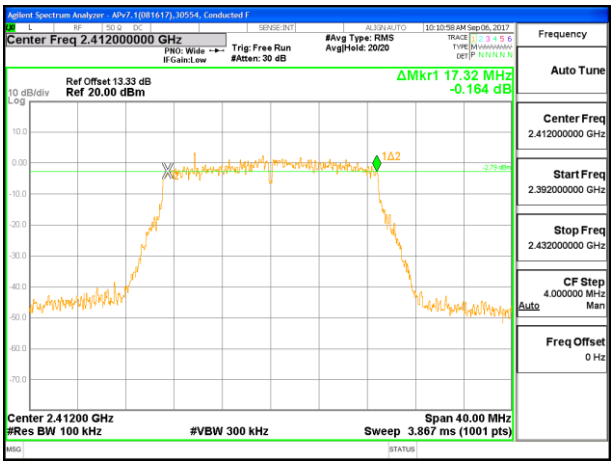
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.

9.3.2. 802.11n HT20 SISO MODE

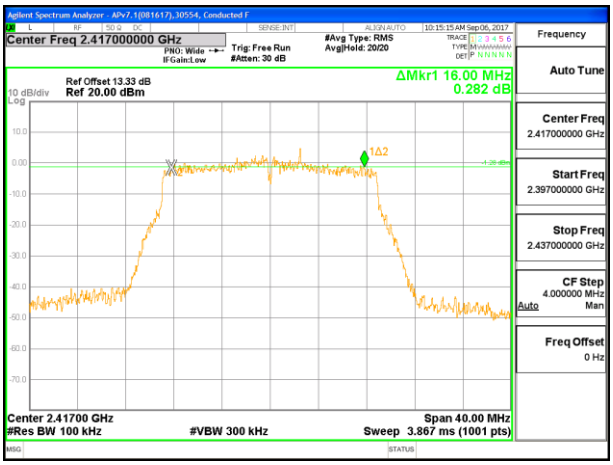
1TX Antenna A

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low 1	2412	17.32	0.5
Low 2	2417	16.00	0.5
Low 3	2422	14.08	0.5
Low 4	2427	13.40	0.5
Low 5	2432	16.96	0.5
Mid 6	2437	17.16	0.5
High 7	2442	17.60	0.5
High 8	2447	15.72	0.5
High 9	2452	17.68	0.5
High 10	2457	17.68	0.5
High 11	2462	16.72	0.5
High 12	2467	17.48	0.5
High 13	2472	17.56	0.5

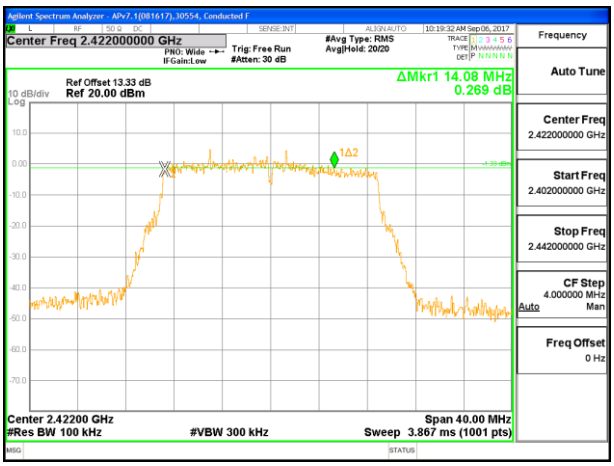
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



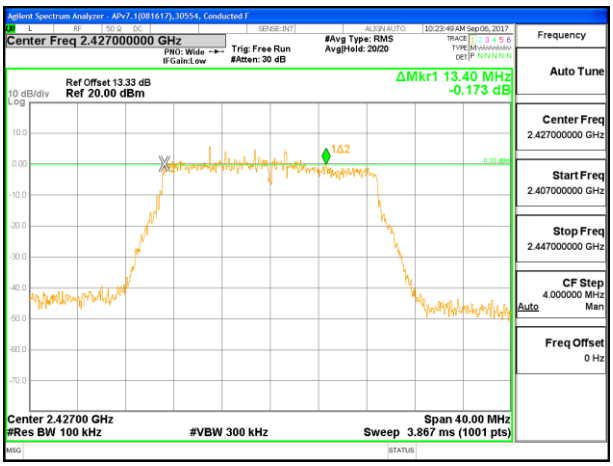
LOW CHANNEL 1



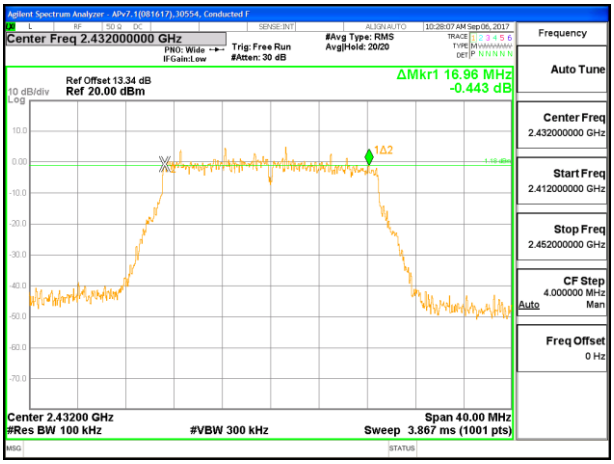
LOW CHANNEL 2



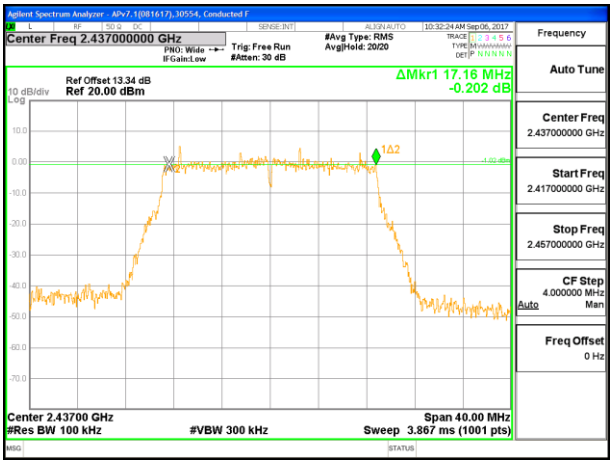
LOW CHANNEL 3



LOW CHANNEL 4

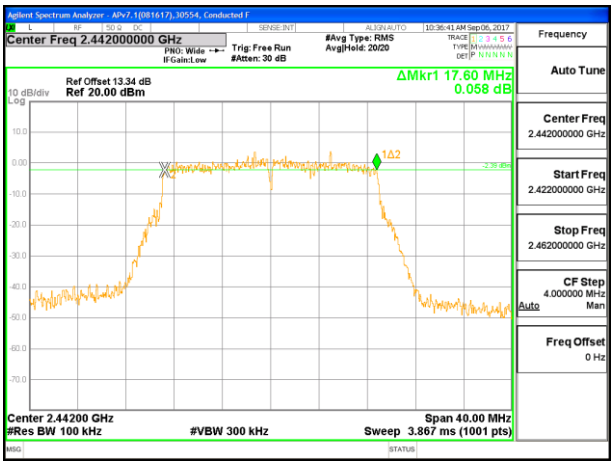


LOW CHANNEL 5

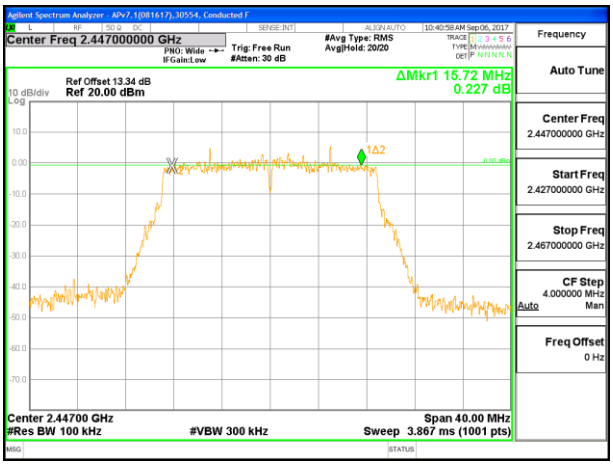


MID CHANNEL 6

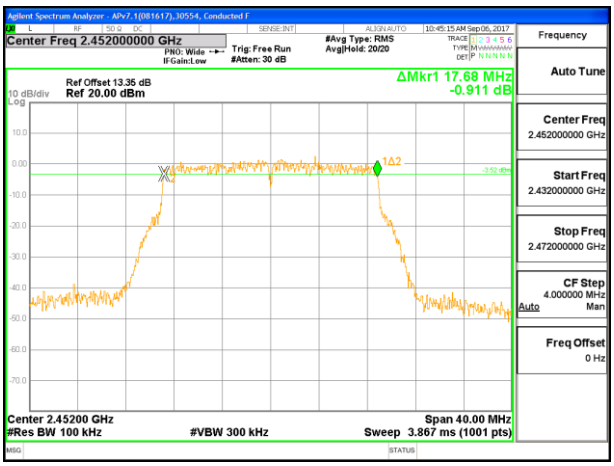
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



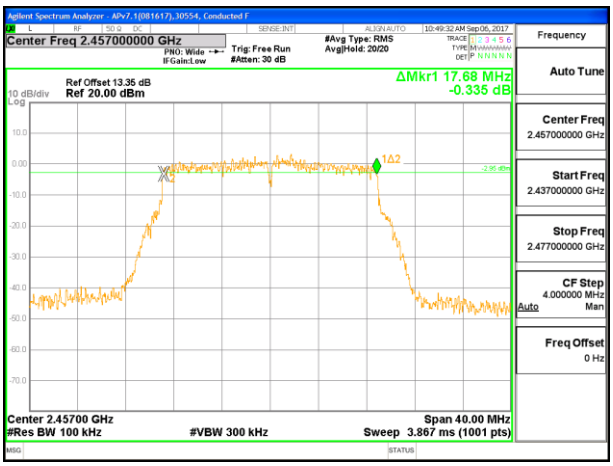
HIGH CHANNEL 7



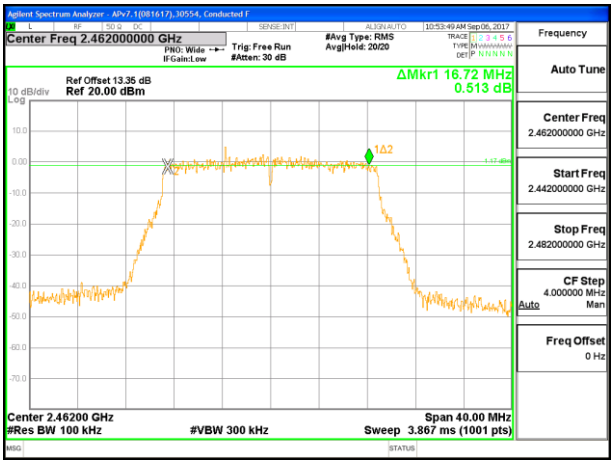
HIGH CHANNEL 8



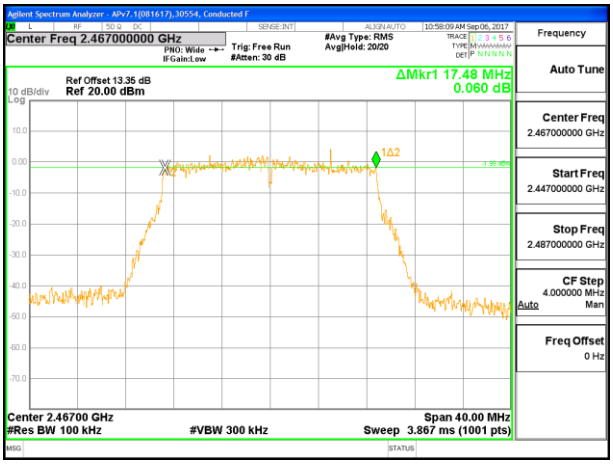
HIGH CHANNEL 9



HIGH CHANNEL 10

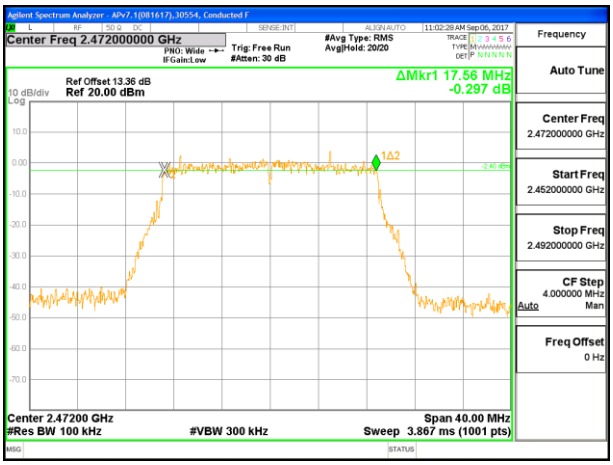


HIGH CHANNEL 11



HIGH CHANNEL 12

UL VERIFICATION SERVICES INC.
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.



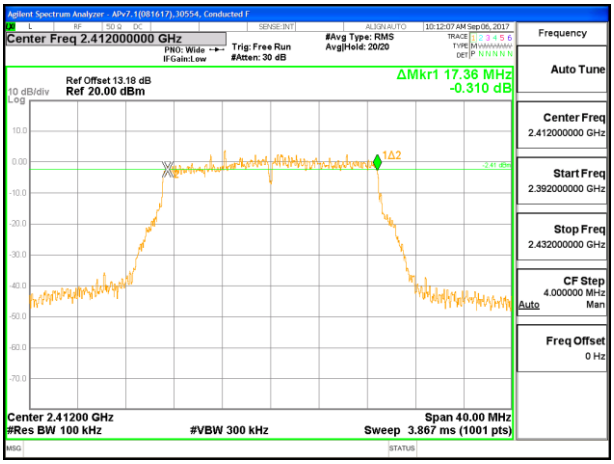
HIGH CHANNEL 13

UL VERIFICATION SERVICES INC.
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.

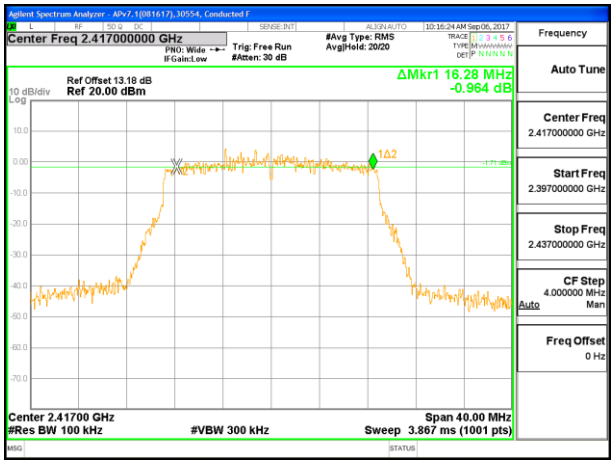
1TX Antenna B

Channel	Frequency (MHz)	6 dB Bandwidth (MHz)	Minimum Limit (MHz)
Low 1	2412	17.36	0.5
Low 2	2417	16.28	0.5
Low 3	2422	17.64	0.5
Low 4	2427	17.72	0.5
Low 5	2432	17.72	0.5
Mid 6	2437	17.68	0.5
High 7	2442	15.00	0.5
High 8	2447	17.68	0.5
High 9	2452	15.60	0.5
High 10	2457	17.60	0.5
High 11	2462	16.32	0.5
High 12	2467	17.64	0.5
High 13	2472	16.96	0.5

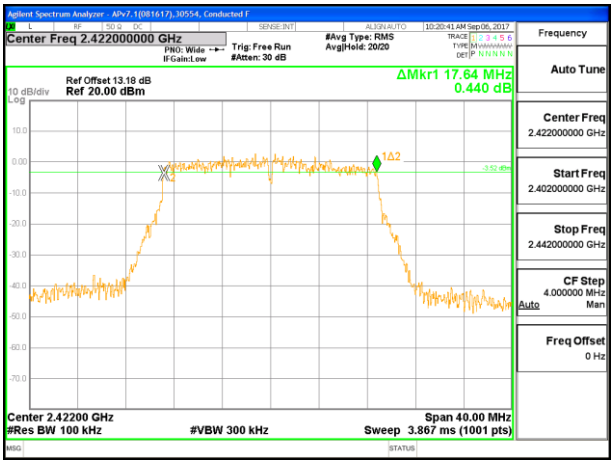
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



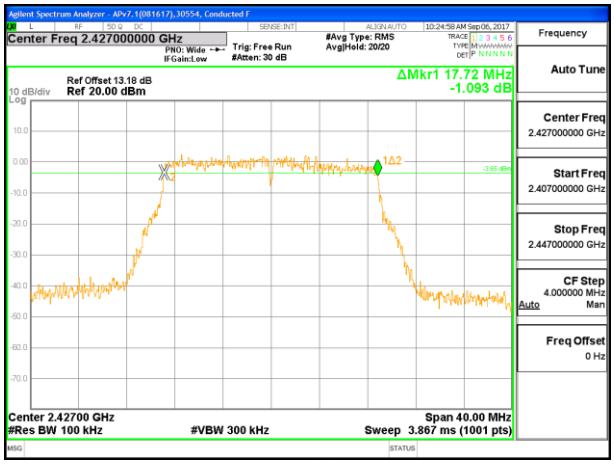
LOW CHANNEL 1



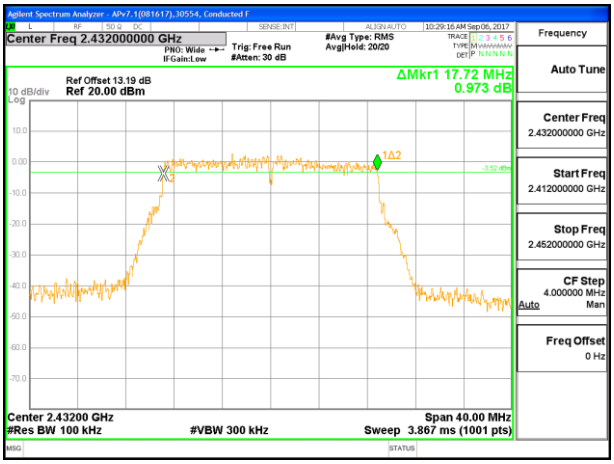
LOW CHANNEL 2



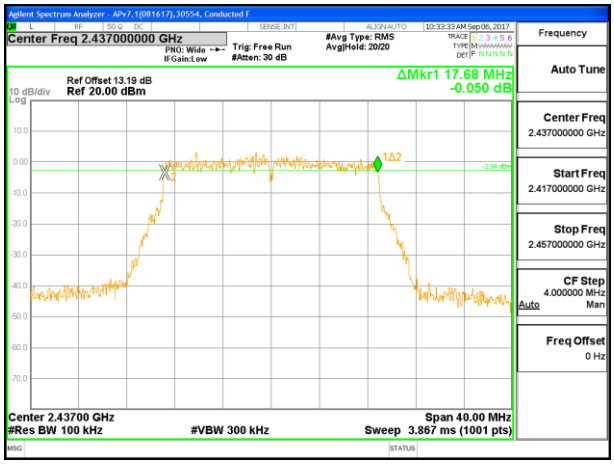
LOW CHANNEL 3



LOW CHANNEL 4

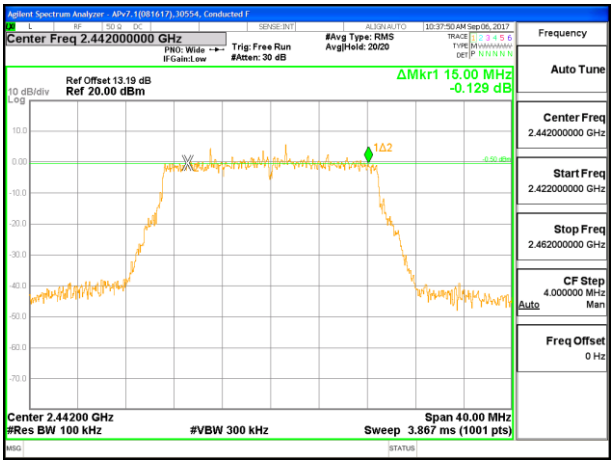


LOW CHANNEL 5

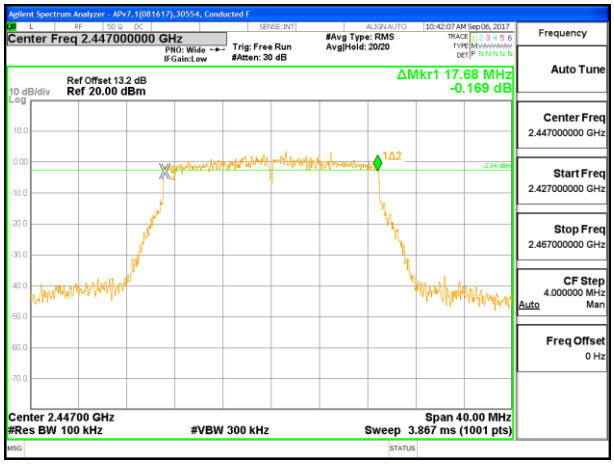


MID CHANNEL 6

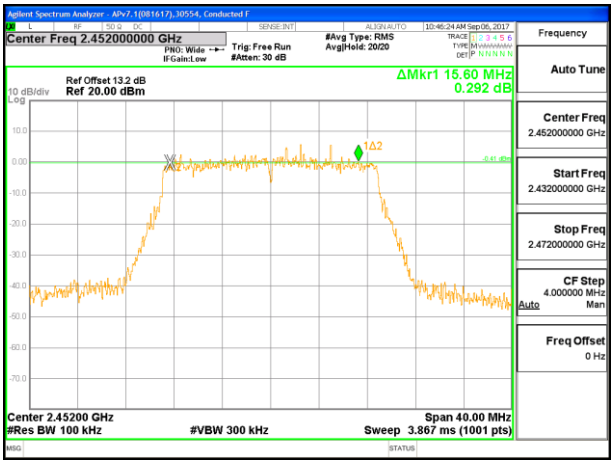
UL VERIFICATION SERVICES INC.
47173 BENICIA STREET, FREMONT, CA 94538, USA TEL: (510) 771-1000 FAX: (510) 661-0888
This report shall not be reproduced except in full, without the written approval of UL Verification Services Inc.



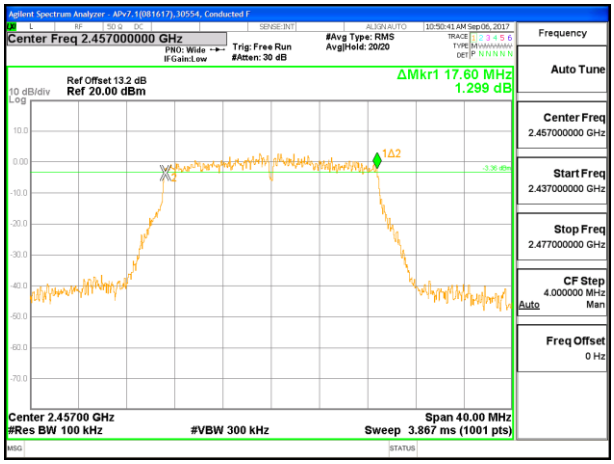
HIGH CHANNEL 7



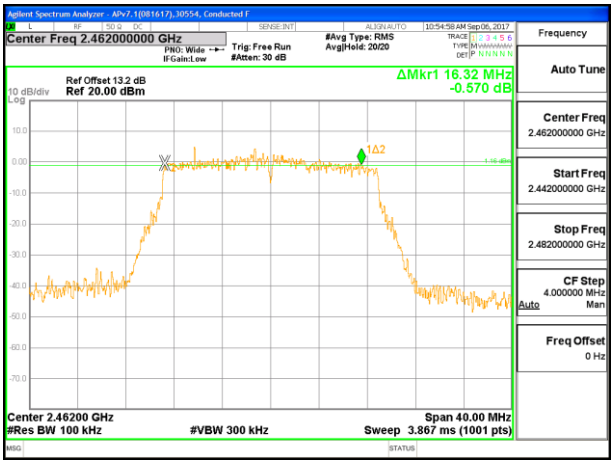
HIGH CHANNEL 8



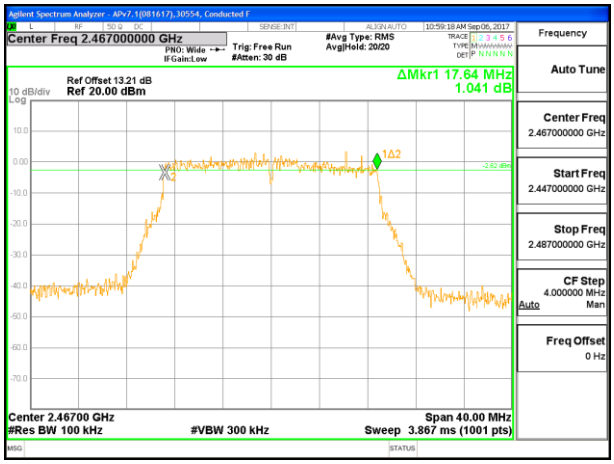
HIGH CHANNEL 9



HIGH CHANNEL 10

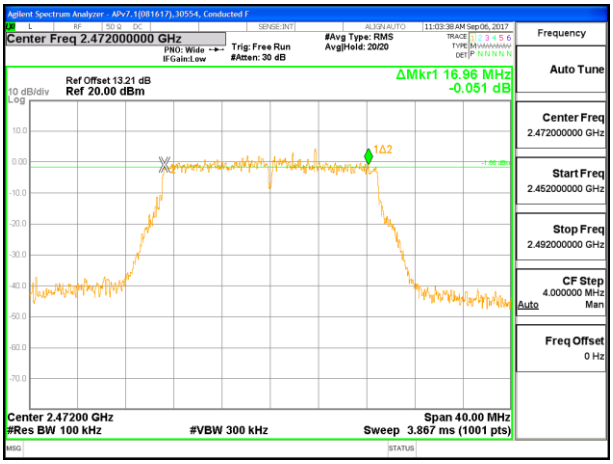


HIGH CHANNEL 11



HIGH CHANNEL 12

UL VERIFICATION SERVICES INC.
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.



HIGH CHANNEL 13

UL VERIFICATION SERVICES INC.
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.

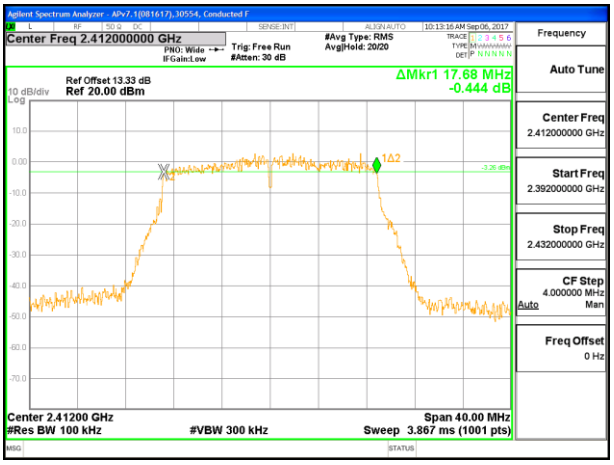
9.3.3. 802.11n HT20 MIMO MODE

2TX Antenna A + Antenna B CDD MODE

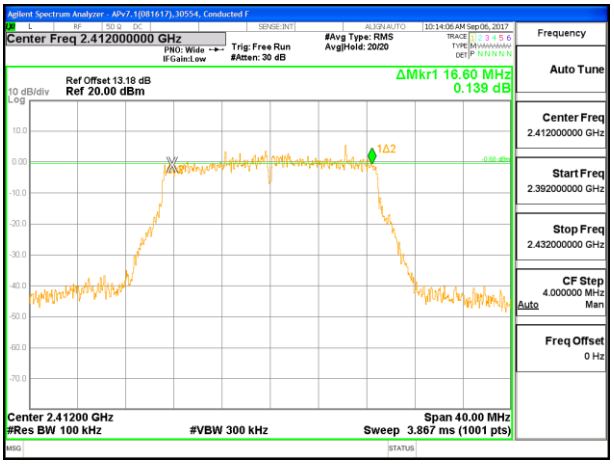
Channel	Frequency (MHz)	6 dB BW Antenna A (MHz)	6 dB BW Antenna B (MHz)	Minimum Limit (MHz)
Low 1	2412	17.68	16.60	0.5
Low 2	2417	16.08	16.24	0.5
Low 3	2422	17.20	17.20	0.5
Low 4	2427	17.76	16.32	0.5
Low 5	2432	17.20	17.68	0.5
Mid 6	2437	17.32	17.68	0.5
High 7	2442	17.56	17.60	0.5
High 8	2447	17.60	17.68	0.5
High 9	2452	16.96	16.92	0.5
High 10	2457	17.20	17.64	0.5
High 11	2462	17.20	17.60	0.5
High 12	2467	17.60	17.40	0.5
High 13	2472	17.32	17.64	0.5

UL VERIFICATION SERVICES INC.
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.

LOW CHANNEL 1

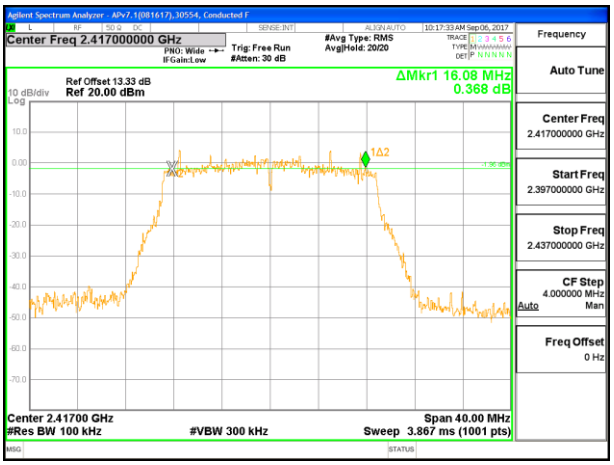


LOW CHANNEL 1 Antenna A

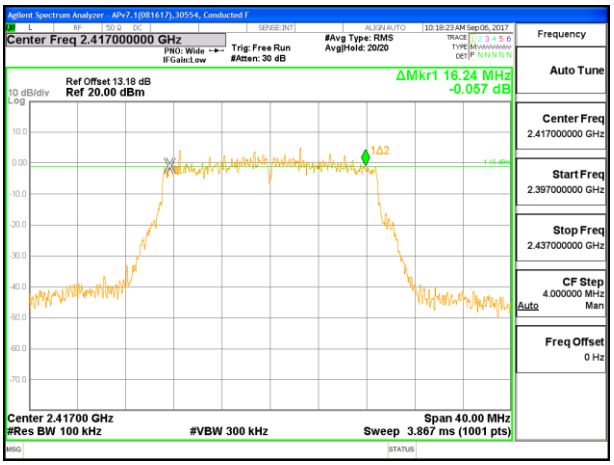


LOW CHANNEL 1 Antenna B

LOW CHANNEL 2

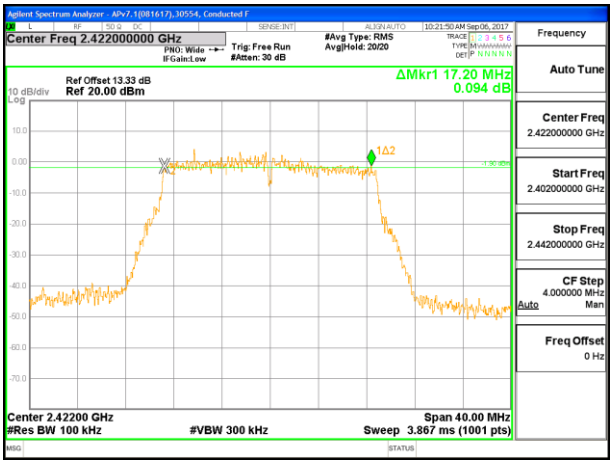


LOW CHANNEL 2 Antenna A

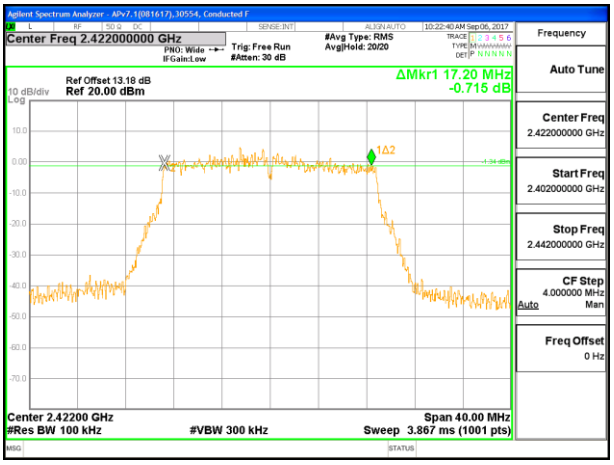


LOW CHANNEL 2 Antenna B

LOW CHANNEL 3



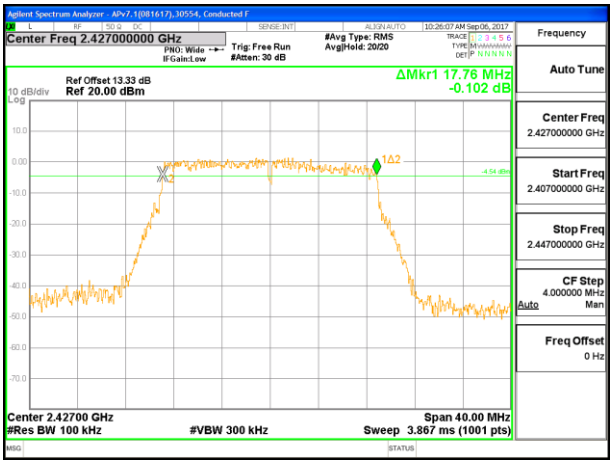
LOW CHANNEL 3 Antenna A



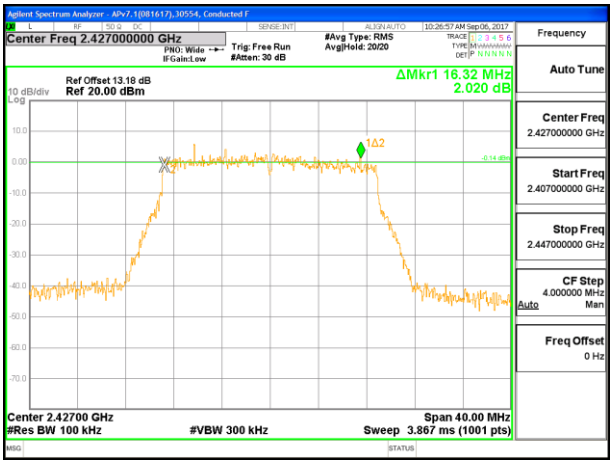
LOW CHANNEL 3 Antenna B

UL VERIFICATION SERVICES INC.
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.

LOW CHANNEL 4

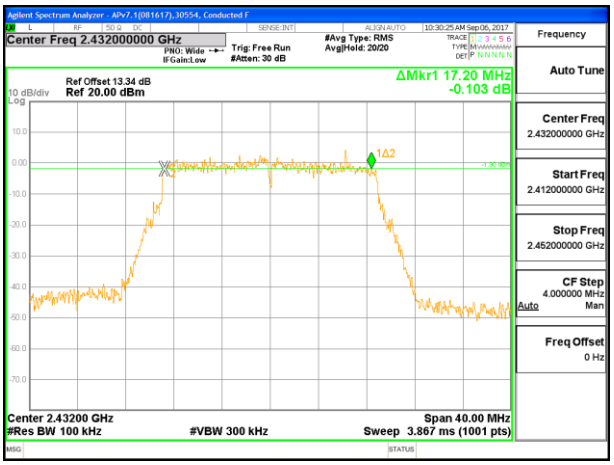


LOW CHANNEL 4 Antenna A

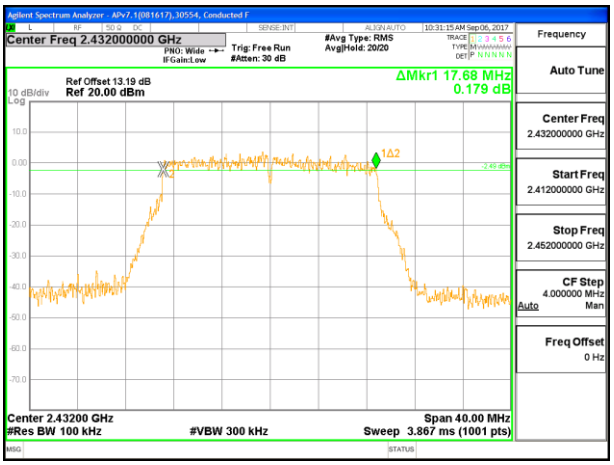


LOW CHANNEL 4 Antenna B

LOW CHANNEL 5

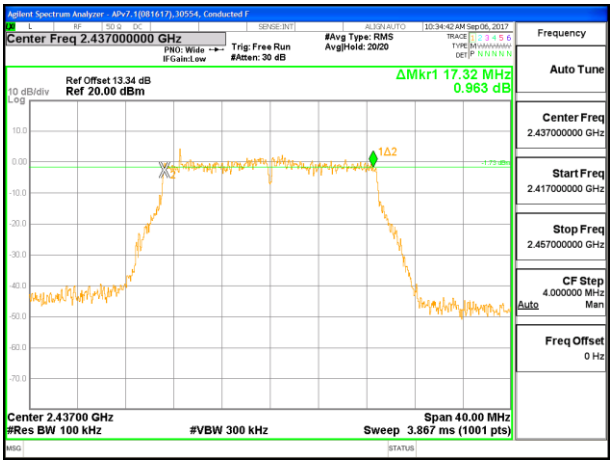


LOW CHANNEL 5 Antenna A

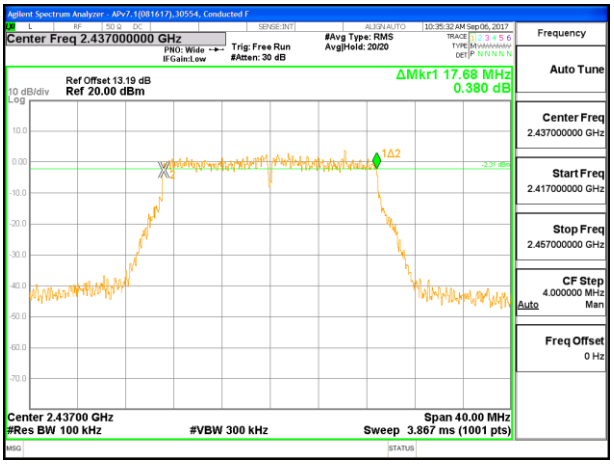


LOW CHANNEL 5 Antenna B

MID CHANNEL 6



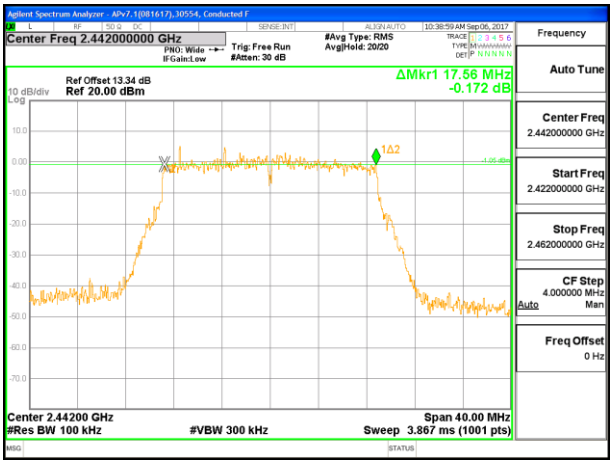
MID CHANNEL 6 Antenna A



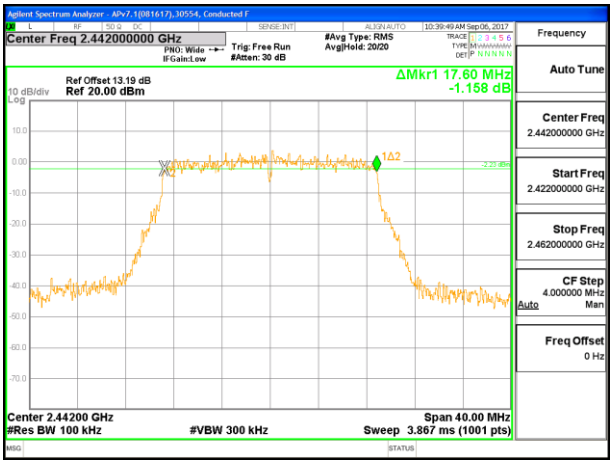
MID CHANNEL 6 Antenna B

UL VERIFICATION SERVICES INC.
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.

HIGH CHANNEL 7

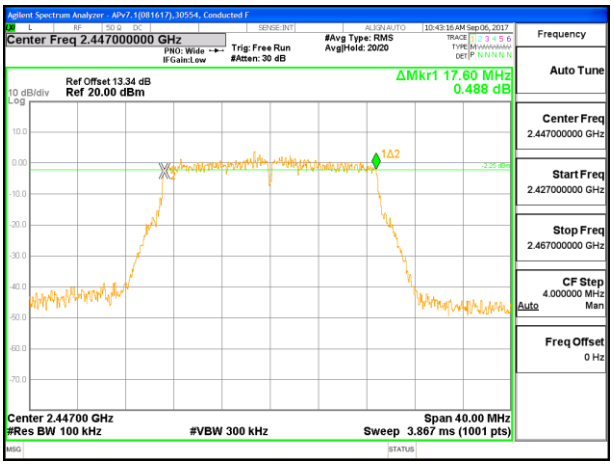


HIGH CHANNEL 7 Antenna A

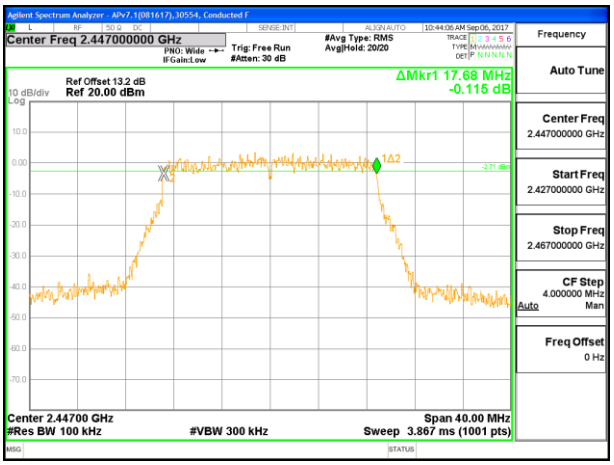


HIGH CHANNEL 7 Antenna B

HIGH CHANNEL 8

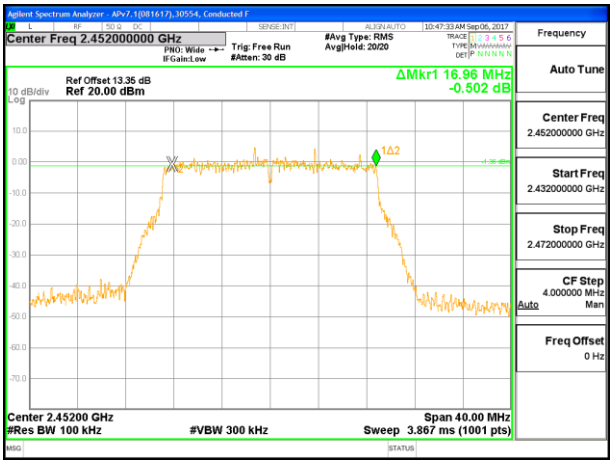


HIGH CHANNEL 8 Antenna A

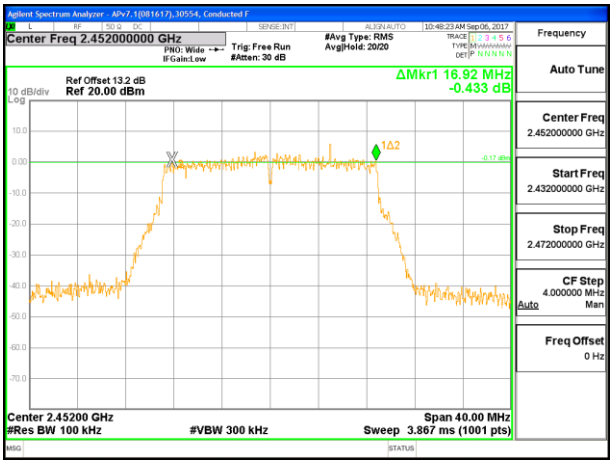


HIGH CHANNEL 8 Antenna B

HIGH CHANNEL 9



HIGH CHANNEL 9 Antenna A



HIGH CHANNEL 9 Antenna B

UL VERIFICATION SERVICES INC.
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.