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1. 26dB Bandwidth and 99% Bandwidth

1.1 Test Datas

Wi-Fi Module1: (model: nxp8997)

ANT 1

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11a)	5180	19.60	16.890
40 (802.11a)	5200	20.28	16.902
48 (802.11a)	5240	20.00	16.932
52 (802.11a)	5260	19.92	16.906
56 (802.11a)	5280	19.68	16.919
64 (802.11a)	5320	19.64	16.919
100 (802.11a)	5500	19.76	16.915
120 (802.11a)	5600	19.68	16.873
140 (802.11a)	5700	19.72	16.919

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42 (802.11ac80)	5210	88.64	76.682
58 (802.11ac80)	5290	88.80	76.668
106 (802.11ac80)	5530	81.28	76.478
155 (802.11ac80)	5610	81.92	76.437

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11n-HT20)	5180	20.08	17.900
40 (802.11n-HT20)	5200	20.00	17.903
48 (802.11n-HT20)	5240	19.88	17.955
52 (802.11n-HT20)	5260	20.08	17.907
56 (802.11n-HT20)	5280	20.32	17.945
64 (802.11n-HT20)	5320	20.32	17.881
100 (802.11n-HT20)	5500	19.92	17.916
120 (802.11n-HT20)	5580	20.32	17.938
140 (802.11n-HT20)	5700	20.16	17.944

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38 (802.11n-HT40)	5190	40.08	36.550
46 (802.11n-HT40)	5230	40.40	36.516
54 (802.11n-HT40)	5270	40.32	36.487
62 (802.11n-HT40)	5310	40.56	36.496
102 (802.11n-HT40)	5510	41.04	36.476
118 (802.11n-HT40)	5590	40.08	36.623
134 (802.11n-HT40)	5670	40.96	36.656

ANT 2

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11a)	5180	19.64	16.923
40 (802.11a)	5200	19.96	16.887
48 (802.11a)	5240	19.52	16.888
52 (802.11a)	5260	19.84	16.898
56 (802.11a)	5280	19.92	16.889
64 (802.11a)	5320	19.84	16.894
100 (802.11a)	5500	20.16	17.945
120 (802.11a)	5600	19.40	16.892
140 (802.11a)	5700	19.84	16.905

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42 (802.11ac80)	5210	82.40	76.515
58 (802.11ac80)	5290	81.92	76.401
106 (802.11ac80)	5530	81.28	76.386
155 (802.11ac80)	5610	81.76	76.401

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11n-HT20)	5180	20.08	17.875
40 (802.11n-HT20)	5200	19.92	17.928
48 (802.11n-HT20)	5240	20.20	17.892
52 (802.11n-HT20)	5260	20.12	17.909
56 (802.11n-HT20)	5280	20.16	17.903
64 (802.11n-HT20)	5320	20.56	17.892
100 (802.11n-HT20)	5500	20.12	17.894
120 (802.11n-HT20)	5580	20.16	17.880
140 (802.11n-HT20)	5700	20.08	17.905

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38 (802.11n-HT40)	5190	40.56	36.479
46 (802.11n-HT40)	5230	40.16	36.422
54 (802.11n-HT40)	5270	40.48	36.424
62 (802.11n-HT40)	5310	40.16	36.515
102 (802.11n-HT40)	5510	40.08	36.440
118 (802.11n-HT40)	5590	40.72	36.469
134 (802.11n-HT40)	5670	40.48	36.473

Wi-Fi Module 2: (model: 8812 CU)

ANT1

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11a)	5180	18.52	16.555
40 (802.11a)	5200	18.48	16.649
48 (802.11a)	5240	18.32	16.661

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42 (802.11ac80)	5210	81.76	75.993

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11n-HT20)	5180	19.32	17.707
40 (802.11n-HT20)	5200	19.36	17.733
48 (802.11n-HT20)	5240	19.24	17.745

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38 (802.11n-HT40)	5190	40.48	36.115
46 (802.11n-HT40)	5230	39.92	36.323

ANT2

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11a)	5180	18.44	16.633
40 (802.11a)	5200	18.48	16.692
48 (802.11a)	5240	18.68	16.719

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
42 (802.11ac80)	5210	81.60	75.936

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
36 (802.11n-HT20)	5180	19.40	17.734
40 (802.11n-HT20)	5200	19.52	17.774
48 (802.11n-HT20)	5240	19.32	17.774

Channel (mode)	Channel Frequency (MHz)	Emission Bandwidth	
		26dB Bandwidth (MHz)	99% Bandwidth (MHz)
38 (802.11n-HT40)	5190	54.84	36.524
46 (802.11n-HT40)	5230	39.36	36.388

1.2 Test Graphs

Wi-Fi Module 1 (model: nxp8997)

802.11a

26dB Bandwidth (MHz)	
ANT1	ANT2

Center Freq 5.260000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr3 19.92 MHz
-0.442 dB
Center 5.26000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.260000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr3 19.94 MHz
-1.154 dB
Center 5.26000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.280000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr3 19.88 MHz
0.264 dB
Center 5.28000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.280000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr3 19.92 MHz
0.261 dB
Center 5.28000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.320000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr3 19.84 MHz
0.406 dB
Center 5.32000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.320000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr3 19.94 MHz
0.693 dB
Center 5.32000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.500000000 GHz
Ref Offset 12.43 dB
Ref 20.00 dBm
ΔMkr3 19.76 MHz
-0.323 dB
Center 5.50000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.500000000 GHz
Ref Offset 12.43 dB
Ref 20.00 dBm
ΔMkr3 20.16 MHz
-2.461 dB
Center 5.50000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.580000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
ΔMkr3 19.68 MHz
-0.998 dB
Center 5.58000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.580000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
ΔMkr3 19.40 MHz
0.350 dB
Center 5.58000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.700000000 GHz
Ref Offset 12.59 dB
Ref 20.00 dBm
ΔMkr3 19.72 MHz
0.264 dB
Center 5.70000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.700000000 GHz
Ref Offset 12.59 dB
Ref 20.00 dBm
ΔMkr3 19.84 MHz
2.309 dB
Center 5.70000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

802.11ac80

26dB Bandwidth (MHz)	
ANT1	ANT2

Center Freq 5.610000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
ΔMkr1 81.92 MHz
2.381 dB
Center 5.61000 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 160.0 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.610000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
ΔMkr1 81.76 MHz
-0.795 dB
Center 5.61000 GHz
#Res BW 820 kHz
#VBW 2.7 MHz
Span 160.0 MHz
Sweep 1.000 ms (1001 pts)

802.11n-HT20

26dB Bandwidth (MHz)	
ANT1	ANT2

Center Freq 5.260000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr1 20.08 MHz
-0.512 dB
Center 5.26000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.260000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr1 20.12 MHz
-0.137 dB
Center 5.26000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.280000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr1 20.32 MHz
-0.354 dB
Center 5.28000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.280000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr1 20.16 MHz
-1.037 dB
Center 5.28000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.320000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr1 20.32 MHz
-0.154 dB
Center 5.32000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.320000000 GHz
Ref Offset 12.39 dB
Ref 20.00 dBm
ΔMkr1 20.16 MHz
-1.042 dB
Center 5.32000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.500000000 GHz
Ref Offset 12.43 dB
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.500000000 GHz
Ref Offset 12.43 dB
Ref 20.00 dBm
Center 5.50000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.580000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.58000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.580000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.58000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.700000000 GHz
Ref Offset 12.59 dB
Ref 20.00 dBm
Center 5.70000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.700000000 GHz
Ref Offset 12.59 dB
Ref 20.00 dBm
Center 5.70000 GHz
#Res BW 220 kHz
#VBW 620 kHz
Span 40.00 MHz
Sweep 1.000 ms (1001 pts)

802.11n-HT40

26dB Bandwidth (MHz)	
ANT1	ANT2

Center Freq 5.310000000 GHz
Center 5.31000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.310000000 GHz
Center 5.31000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

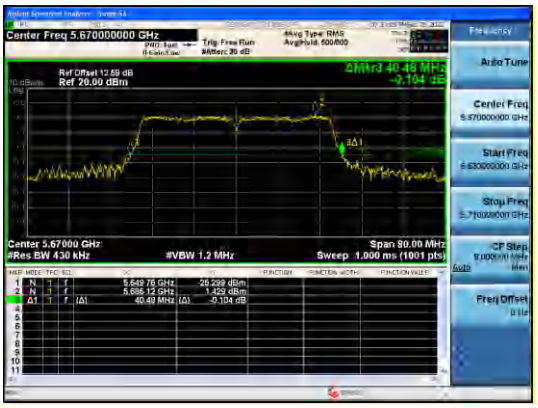
Center Freq 5.510000000 GHz
Center 5.51000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.510000000 GHz
Center 5.51000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

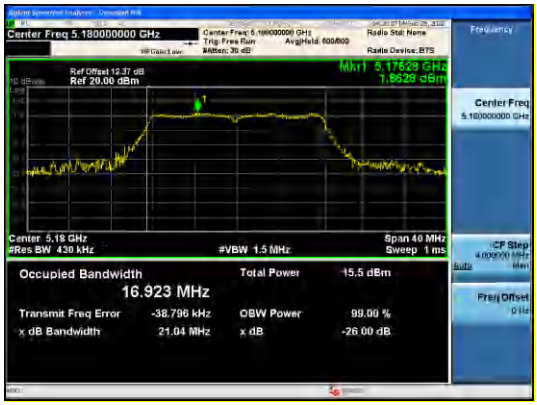
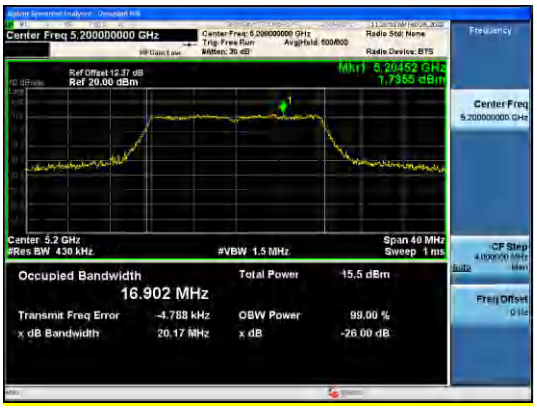
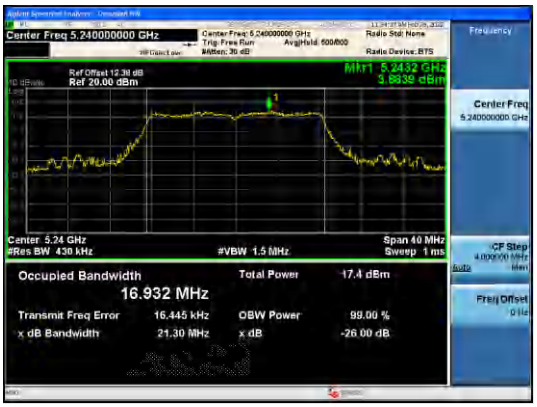
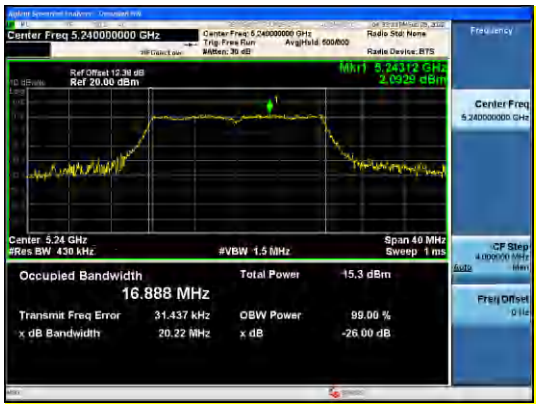
Center Freq 5.550000000 GHz
Center 5.55000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

Center Freq 5.550000000 GHz
Center 5.55000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

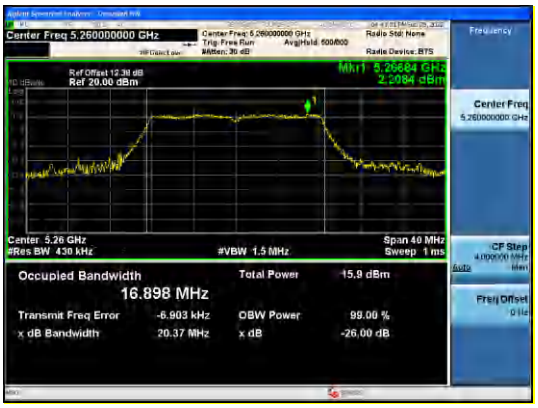
Center Freq 5.670000000 GHz
Ref Offset 12.69 dB
Ref 20.00 dBm
Center 5.67000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

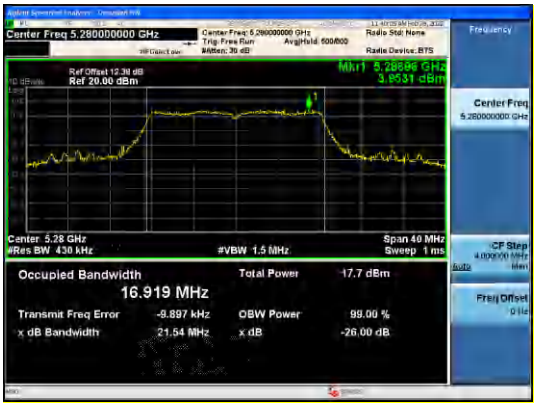

Center Freq 5.670000000 GHz
Ref Offset 12.69 dB
Ref 20.00 dBm
Center 5.67000 GHz
#Res BW 430 kHz
#VBW 1.2 MHz
Span 80.00 MHz
Sweep 1.000 ms (1001 pts)

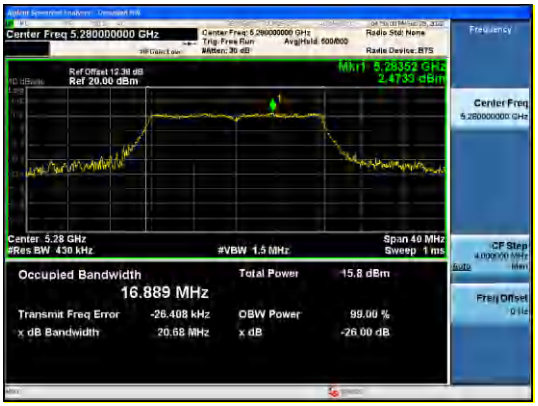
802.11a

99% Bandwidth (MHz)	
ANT1	ANT2
	
	
	

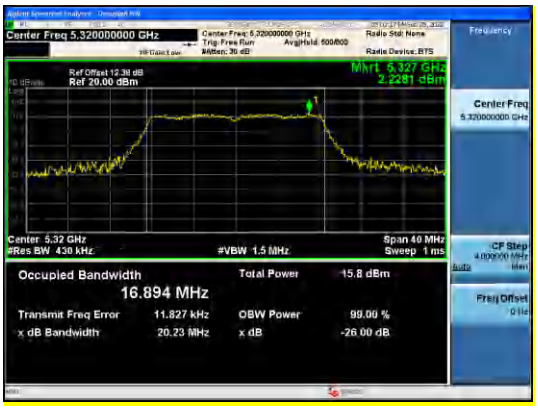
Center Freq 5.260000000 GHz
Mkr1 5.262 GHz
4.3322 dBm
Ref Offset 12.30 dB
Ref 20.00 dBm
Center 5.26 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.906 MHz
Total Power 17.9 dBm
Transmit Freq Error 385 Hz
OBW Power 99.00 %
x dB Bandwidth 20.44 MHz
x dB -26.00 dB


Center Freq 5.260000000 GHz
Mkr1 5.26684 GHz
2.2084 dBm
Ref Offset 12.30 dB
Ref 20.00 dBm
Center 5.26 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.898 MHz
Total Power 15.9 dBm
Transmit Freq Error -6.903 kHz
OBW Power 99.00 %
x dB Bandwidth 20.37 MHz
x dB -26.00 dB

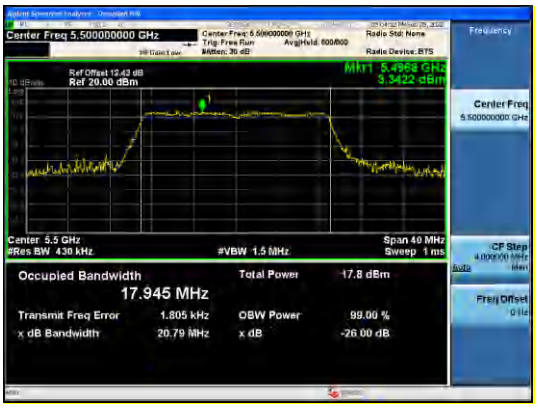

Center Freq 5.280000000 GHz
Mkr1 5.2686 GHz
3.8531 dBm
Ref Offset 12.30 dB
Ref 20.00 dBm
Center 5.28 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.919 MHz
Total Power 17.7 dBm
Transmit Freq Error -8.897 kHz
OBW Power 99.00 %
x dB Bandwidth 21.54 MHz
x dB -26.00 dB


Center Freq 5.280000000 GHz
Mkr1 5.28352 GHz
2.4733 dBm
Ref Offset 12.30 dB
Ref 20.00 dBm
Center 5.28 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.889 MHz
Total Power 15.8 dBm
Transmit Freq Error -26.408 kHz
OBW Power 99.00 %
x dB Bandwidth 20.68 MHz
x dB -26.00 dB

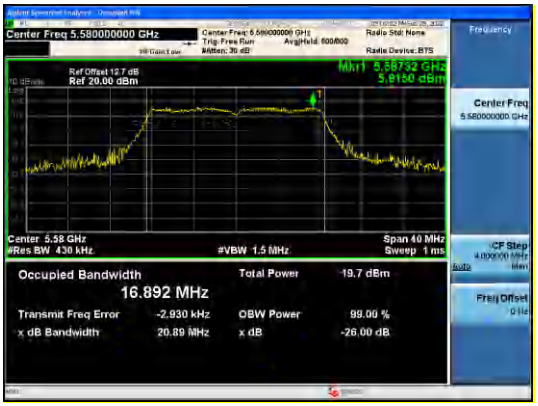
Center Freq 5.320000000 GHz
Mkr1 5.3688 GHz
2.7233 dBm
Ref Offset 12.30 dB
Ref 20.00 dBm
Center 5.32 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.919 MHz
Total Power 16.2 dBm
Transmit Freq Error 6.837 kHz
OBW Power 99.00 %
x dB Bandwidth 20.93 MHz
x dB -26.00 dB


Center Freq 5.320000000 GHz
Mkr1 5.327 GHz
2.2281 dBm
Ref Offset 12.30 dB
Ref 20.00 dBm
Center 5.32 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.894 MHz
Total Power 15.8 dBm
Transmit Freq Error 11.827 kHz
OBW Power 99.00 %
x dB Bandwidth 20.23 MHz
x dB -26.00 dB

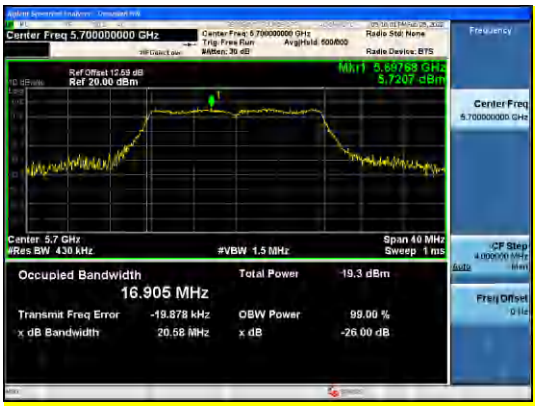
Center Freq 5.500000000 GHz
Mkr1 5.50592 GHz
4.8599 dBm
Ref Offset 12.43 dB
Ref 20.00 dBm
Center 5.5 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.915 MHz
Total Power 18.4 dBm
Transmit Freq Error 4.257 kHz
OBW Power 99.00 %
x dB Bandwidth 20.90 MHz
x dB -26.00 dB


Center Freq 5.500000000 GHz
Mkr1 5.49658 GHz
3.3422 dBm
Ref Offset 12.43 dB
Ref 20.00 dBm
Center 5.5 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.945 MHz
Total Power 17.8 dBm
Transmit Freq Error 1.805 kHz
OBW Power 99.00 %
x dB Bandwidth 20.79 MHz
x dB -26.00 dB

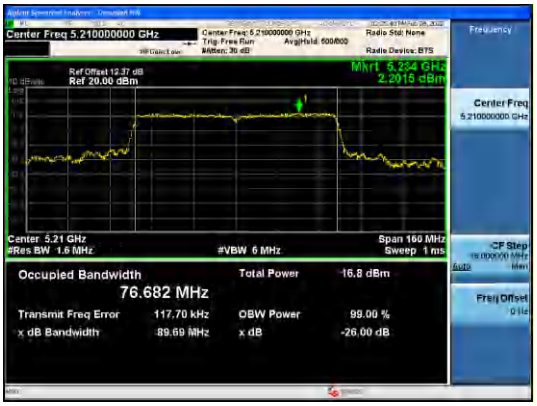
Center Freq 5.580000000 GHz
Mkr1 5.58668 GHz
7.6136 dBm
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.58 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.873 MHz
Total Power 21.1 dBm
Transmit Freq Error -13.159 kHz
OBW Power 99.00 %
x dB Bandwidth 20.35 MHz
x dB -26.00 dB


Center Freq 5.580000000 GHz
Mkr1 5.58732 GHz
5.9150 dBm
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.58 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.892 MHz
Total Power 19.7 dBm
Transmit Freq Error -2.930 kHz
OBW Power 99.00 %
x dB Bandwidth 20.89 MHz
x dB -26.00 dB

Center Freq 5.700000000 GHz
Mkr1 5.69972 GHz
5.2978 dBm
Ref Offset 12.59 dB
Ref 20.00 dBm
Center 5.7 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.919 MHz
Total Power 19.1 dBm
Transmit Freq Error -4.690 kHz
OBW Power 99.00 %
x dB Bandwidth 20.89 MHz
x dB -26.00 dB


Center Freq 5.700000000 GHz
Mkr1 5.69768 GHz
5.7207 dBm
Ref Offset 12.59 dB
Ref 20.00 dBm
Center 5.7 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
16.905 MHz
Total Power 19.3 dBm
Transmit Freq Error -19.878 kHz
OBW Power 99.00 %
x dB Bandwidth 20.58 MHz
x dB -26.00 dB

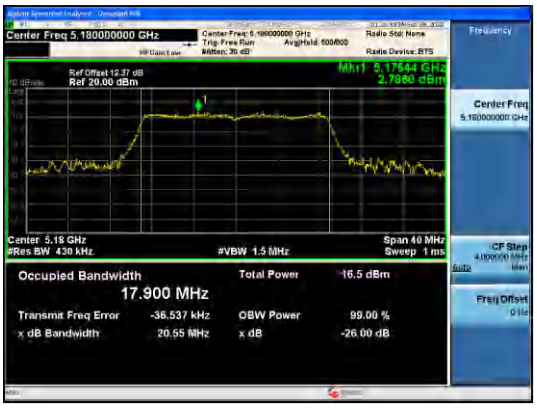
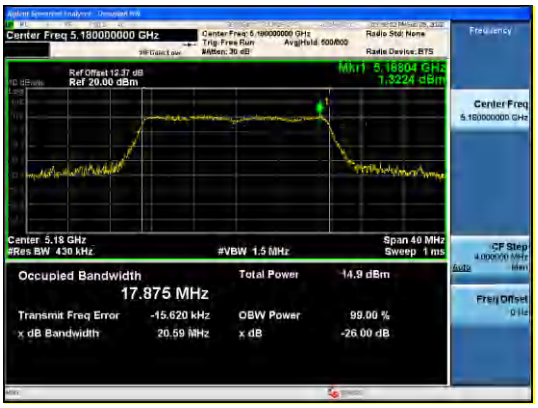
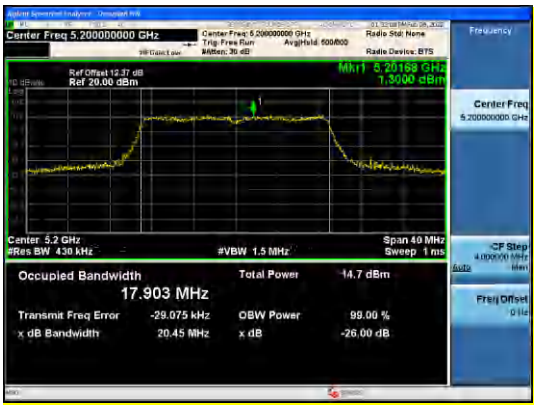
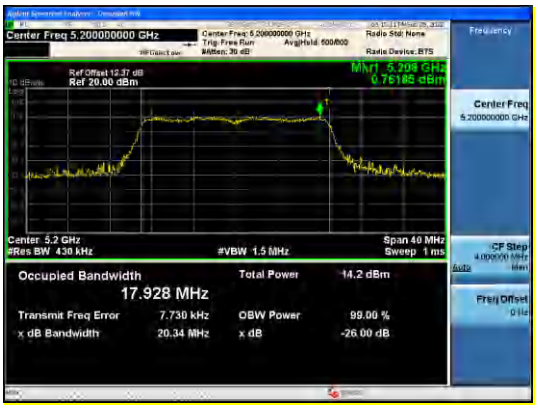
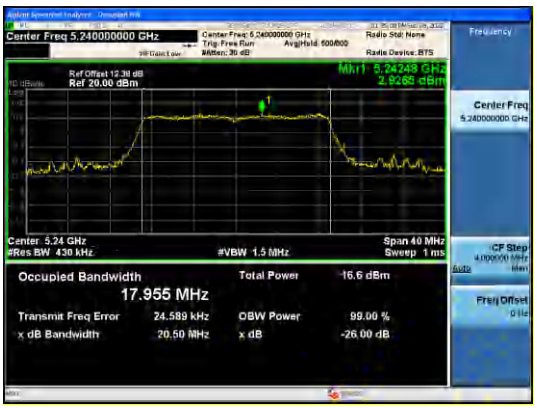
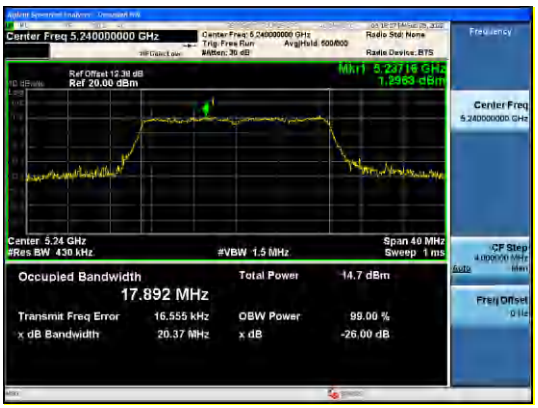
802.11ac80

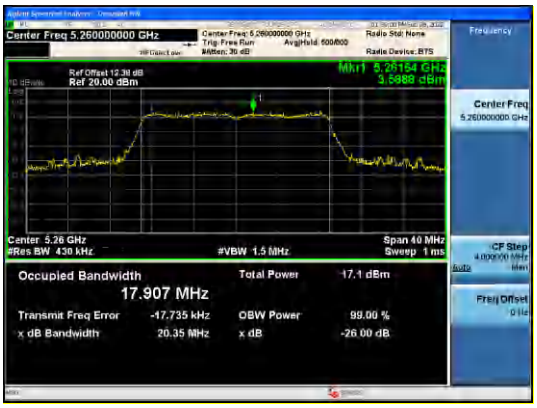
99% Bandwidth (MHz)	
ANT1	ANT2
	

Center Freq 5.610000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.61 GHz
#Res BW 1.6 MHz
#VBW 6 MHz
Span 160 MHz
Sweep 1 ms
Occupied Bandwidth
76.437 MHz
Total Power 19.6 dBm
Transmit Freq Error 56.258 kHz
OBW Power 99.00 %
x dB Bandwidth 83.08 MHz
x dB -26.00 dB

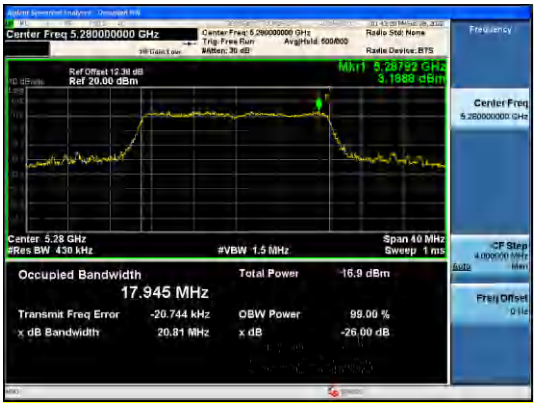
Center Freq 5.610000000 GHz
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.61 GHz
#Res BW 1.6 MHz
#VBW 6 MHz
Span 160 MHz
Sweep 1 ms
Occupied Bandwidth
76.401 MHz
Total Power 19.5 dBm
Transmit Freq Error 90.904 kHz
OBW Power 99.00 %
x dB Bandwidth 82.92 MHz
x dB -26.00 dB

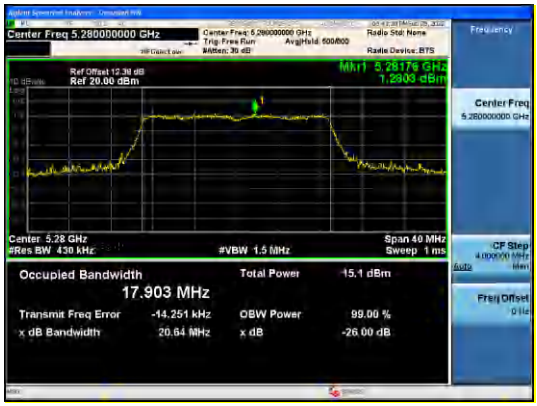
802.11n-HT20

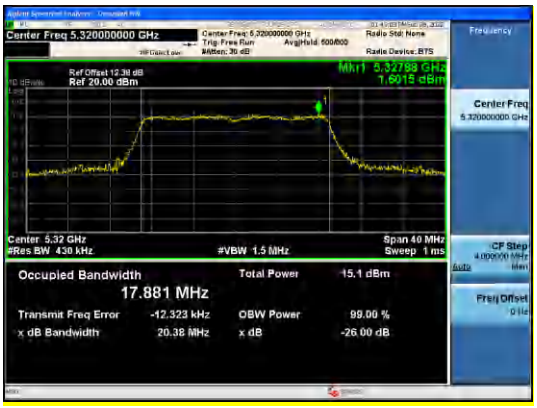
99% Bandwidth (MHz)	
ANT1	ANT2
	
	
	


Center Freq 5.260000000 GHz
Mkr1 5.26154 GHz
3.5888 dBm
Center 5.26 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.907 MHz
Total Power 17.1 dBm
Transmit Freq Error -17.735 kHz
OBW Power 99.00 %
x dB Bandwidth 20.35 MHz
x dB -26.00 dB

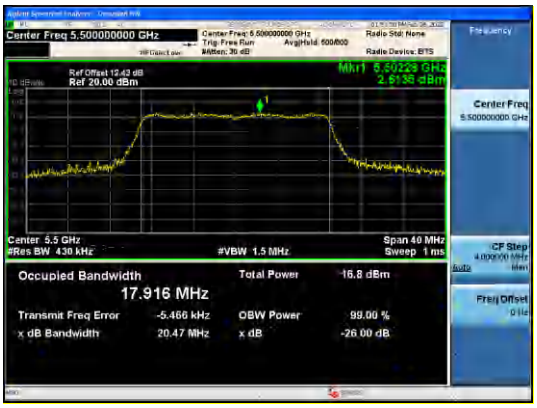
Center Freq 5.260000000 GHz
Mkr1 5.26158 GHz
1.6070 dBm
Center 5.26 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.909 MHz
Total Power 15.1 dBm
Transmit Freq Error 8.961 kHz
OBW Power 99.00 %
x dB Bandwidth 20.35 MHz
x dB -26.00 dB

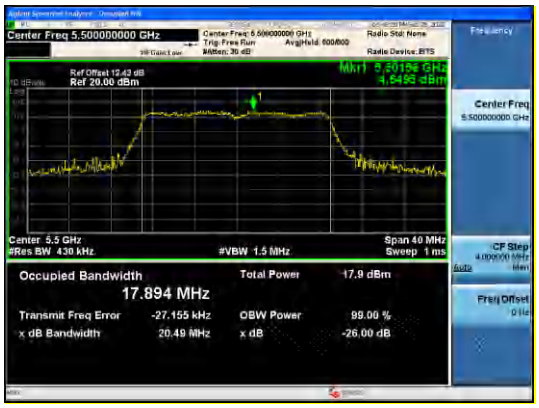

Center Freq 5.280000000 GHz
Mkr1 5.28792 GHz
3.1888 dBm
Center 5.28 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.945 MHz
Total Power 16.9 dBm
Transmit Freq Error -20.744 kHz
OBW Power 99.00 %
x dB Bandwidth 20.81 MHz
x dB -26.00 dB

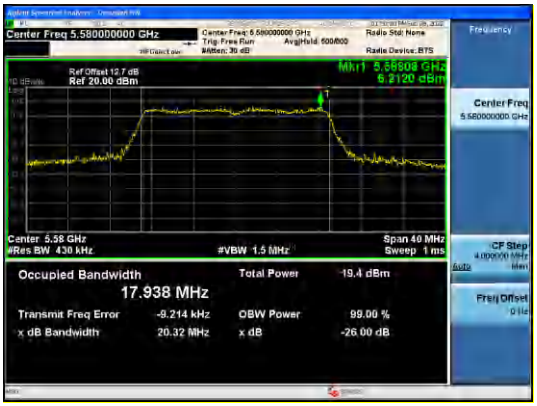

Center Freq 5.280000000 GHz
Mkr1 5.28176 GHz
1.2903 dBm
Center 5.28 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.903 MHz
Total Power 15.1 dBm
Transmit Freq Error -14.251 kHz
OBW Power 99.00 %
x dB Bandwidth 20.64 MHz
x dB -26.00 dB

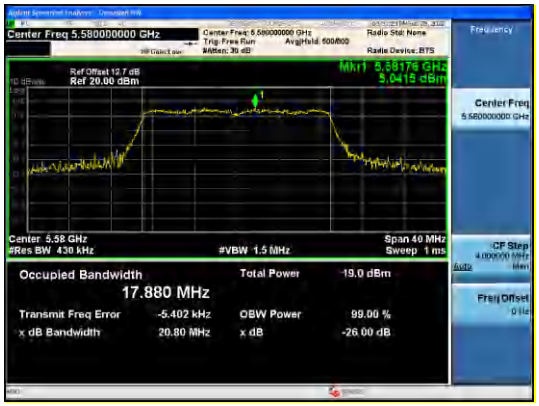

Center Freq 5.320000000 GHz
Mkr1 5.32799 GHz
1.6015 dBm
Center 5.32 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.881 MHz
Total Power 15.1 dBm
Transmit Freq Error -12.323 kHz
OBW Power 99.00 %
x dB Bandwidth 20.38 MHz
x dB -26.00 dB

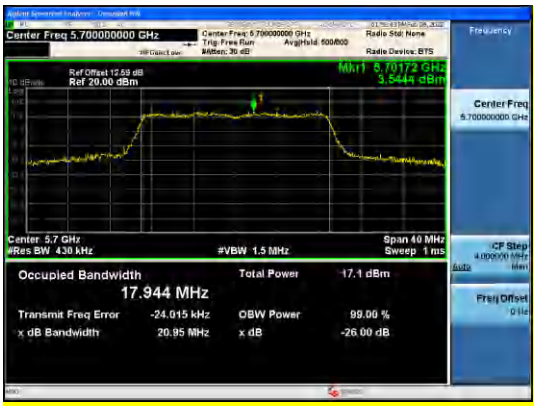
Center Freq 5.320000000 GHz
Mkr1 5.31708 GHz
1.5617 dBm
Center 5.32 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms
Occupied Bandwidth
17.892 MHz
Total Power 15.1 dBm
Transmit Freq Error 20.167 kHz
OBW Power 99.00 %
x dB Bandwidth 20.42 MHz
x dB -26.00 dB

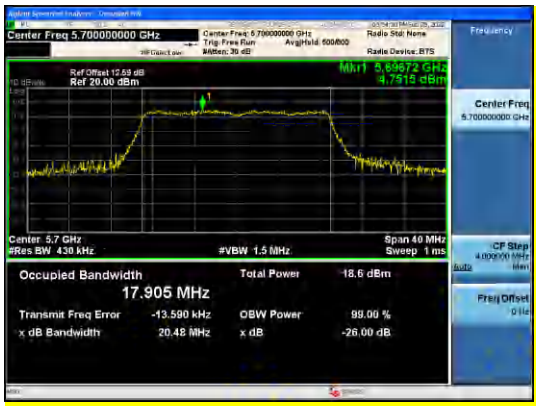

Center Freq 5.500000000 GHz
Occupied Bandwidth
17.916 MHz
Total Power 16.8 dBm
Transmit Freq Error -5.466 kHz
OBW Power 99.00 %
x dB Bandwidth 20.47 MHz
x dB -26.00 dB
Center 5.5 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms


Center Freq 5.500000000 GHz
Occupied Bandwidth
17.894 MHz
Total Power 17.9 dBm
Transmit Freq Error -27.155 kHz
OBW Power 99.00 %
x dB Bandwidth 20.49 MHz
x dB -26.00 dB
Center 5.5 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms

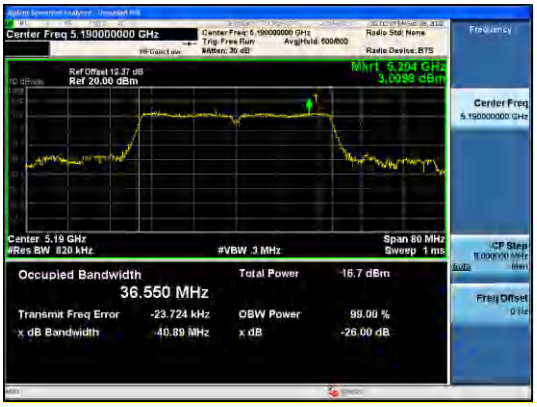
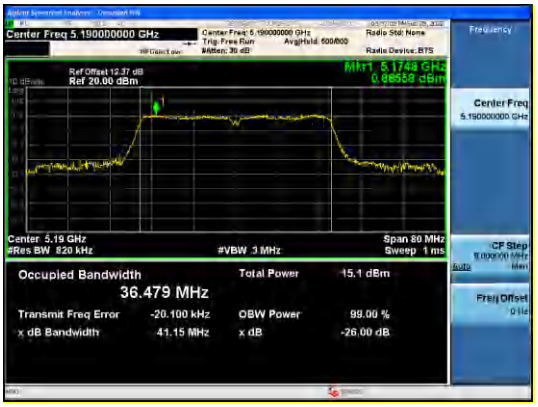
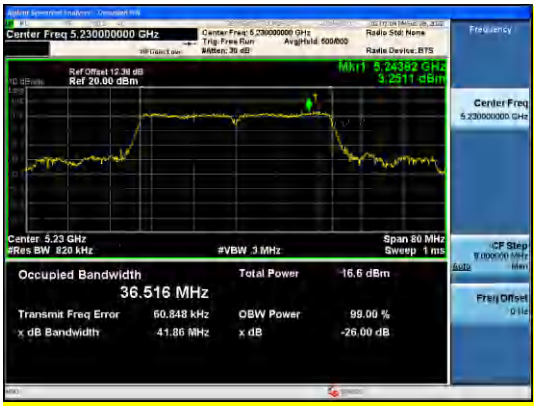
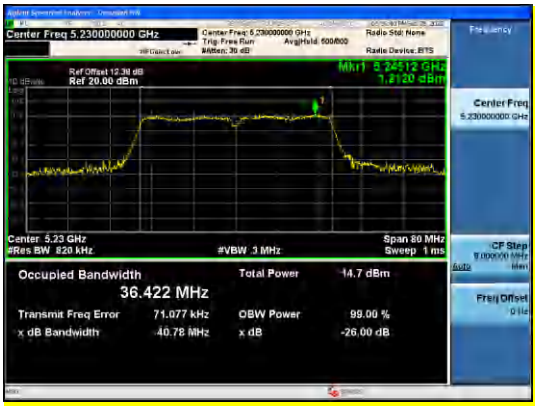

Center Freq 5.580000000 GHz
Occupied Bandwidth
17.938 MHz
Total Power 19.4 dBm
Transmit Freq Error -8.214 kHz
OBW Power 99.00 %
x dB Bandwidth 20.32 MHz
x dB -26.00 dB
Center 5.58 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms


Center Freq 5.580000000 GHz
Occupied Bandwidth
17.880 MHz
Total Power 19.0 dBm
Transmit Freq Error -5.402 kHz
OBW Power 99.00 %
x dB Bandwidth 20.80 MHz
x dB -26.00 dB
Center 5.58 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms

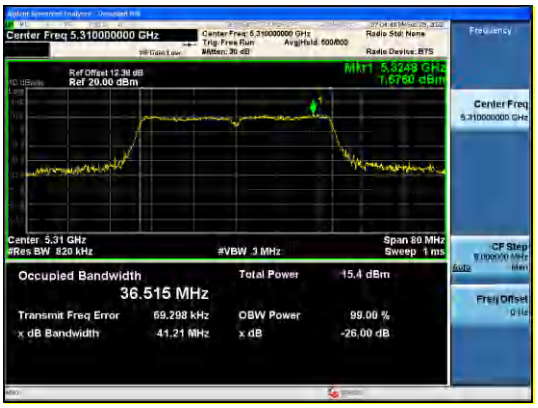

Center Freq 5.700000000 GHz
Occupied Bandwidth
17.944 MHz
Total Power 17.1 dBm
Transmit Freq Error -24.015 kHz
OBW Power 99.00 %
x dB Bandwidth 20.95 MHz
x dB -26.00 dB
Center 5.7 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms


Center Freq 5.700000000 GHz
Occupied Bandwidth
17.905 MHz
Total Power 18.6 dBm
Transmit Freq Error -13.590 kHz
OBW Power 99.00 %
x dB Bandwidth 20.48 MHz
x dB -26.00 dB
Center 5.7 GHz
#Res BW 430 kHz
#VBW 1.5 MHz
Span 40 MHz
Sweep 1 ms

802.11n-HT40

99% Bandwidth (MHz)	
ANT1	ANT2
	
	

Center Freq 5.310000000 GHz
Mkr1 5.32504 GHz
7.5343 dBm
Ref Offset 12.38 dB
Ref 20.00 dBm
Center 5.31 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.496 MHz
Total Power 15.2 dBm
Transmit Freq Error 86.562 kHz
OBW Power 99.00 %
x dB Bandwidth 41.50 MHz
x dB -26.00 dB

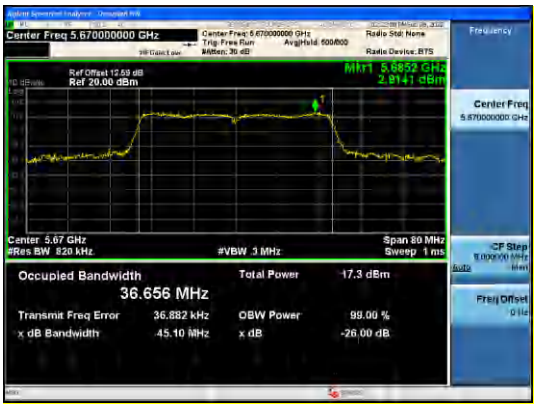

Center Freq 5.310000000 GHz
Mkr1 5.32248 GHz
7.6760 dBm
Ref Offset 12.38 dB
Ref 20.00 dBm
Center 5.31 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.515 MHz
Total Power 15.4 dBm
Transmit Freq Error 69.298 kHz
OBW Power 99.00 %
x dB Bandwidth 41.21 MHz
x dB -26.00 dB

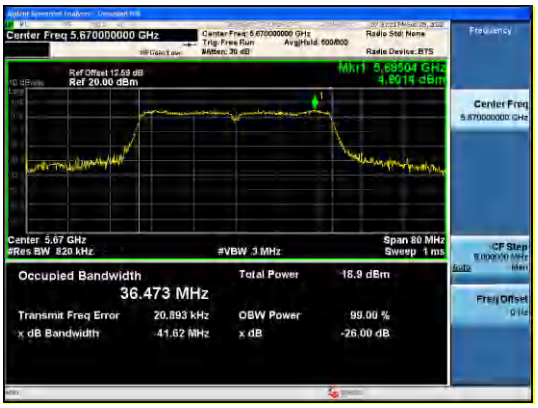
Center Freq 5.510000000 GHz
Mkr1 5.5244 GHz
3.1537 dBm
Ref Offset 12.43 dB
Ref 20.00 dBm
Center 5.51 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.476 MHz
Total Power 17.3 dBm
Transmit Freq Error 35.615 kHz
OBW Power 99.00 %
x dB Bandwidth 41.89 MHz
x dB -26.00 dB

Center Freq 5.510000000 GHz
Mkr1 5.52504 GHz
4.5113 dBm
Ref Offset 12.43 dB
Ref 20.00 dBm
Center 5.51 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.440 MHz
Total Power 18.4 dBm
Transmit Freq Error 14.445 kHz
OBW Power 99.00 %
x dB Bandwidth 41.03 MHz
x dB -26.00 dB

Center Freq 5.550000000 GHz
Mkr1 5.54529 GHz
5.7781 dBm
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.55 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.623 MHz
Total Power 20.5 dBm
Transmit Freq Error 10.763 kHz
OBW Power 99.00 %
x dB Bandwidth 40.83 MHz
x dB -26.00 dB

Center Freq 5.550000000 GHz
Mkr1 5.56552 GHz
5.1430 dBm
Ref Offset 12.7 dB
Ref 20.00 dBm
Center 5.55 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.469 MHz
Total Power 19.0 dBm
Transmit Freq Error 29.384 kHz
OBW Power 99.00 %
x dB Bandwidth 40.79 MHz
x dB -26.00 dB


Center Freq 5.670000000 GHz
Ref Offset 12.59 dB
Ref 20.00 dBm
Center 5.67 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.656 MHz
Total Power 17.3 dBm
Transmit Freq Error 36.882 kHz
OBW Power 99.00 %
x dB Bandwidth 45.10 MHz
x dB -26.00 dB


Center Freq 5.670000000 GHz
Ref Offset 12.59 dB
Ref 20.00 dBm
Center 5.67 GHz
#Res BW 820 kHz
#VBW 3 MHz
Span 80 MHz
Sweep 1 ms
Occupied Bandwidth
36.473 MHz
Total Power 16.9 dBm
Transmit Freq Error 20.893 kHz
OBW Power 99.00 %
x dB Bandwidth 41.62 MHz
x dB -26.00 dB

Wi-Fi Module 1 (model: 8812CU):
802.11a

26dB Bandwidth (MHz)	
ANT1	ANT2

802.11ac80

26dB Bandwidth (MHz)	
ANT1	ANT2

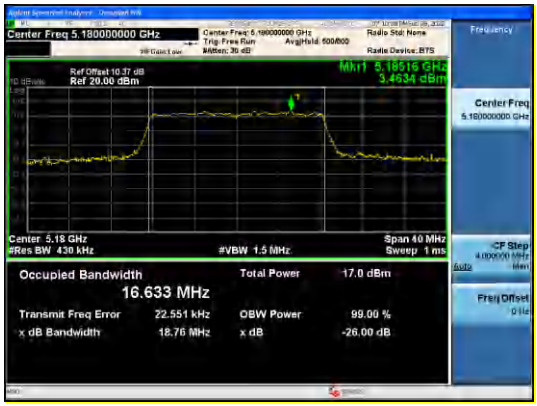
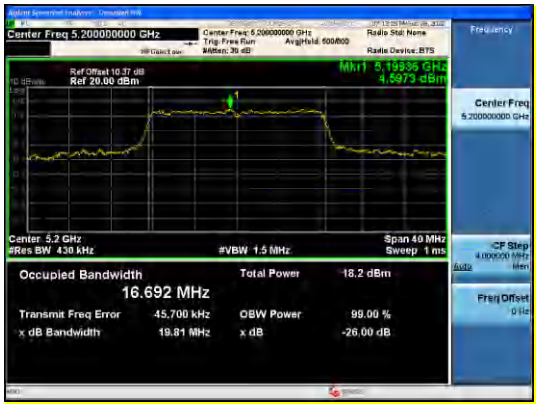
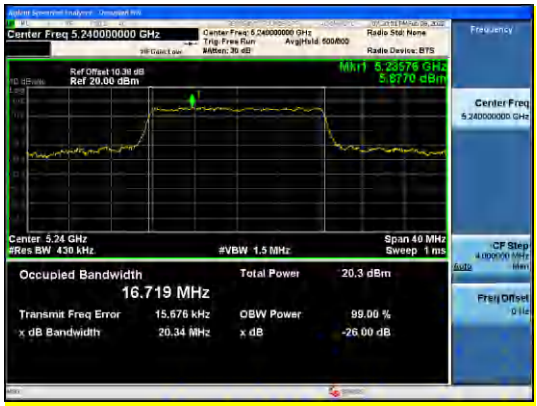
802.11n-HT20

26dB Bandwidth (MHz)	
ANT1	ANT2

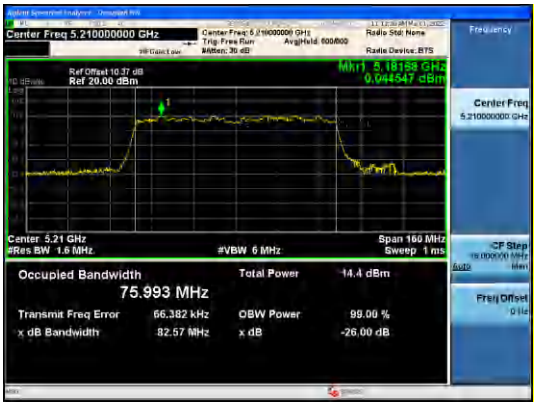
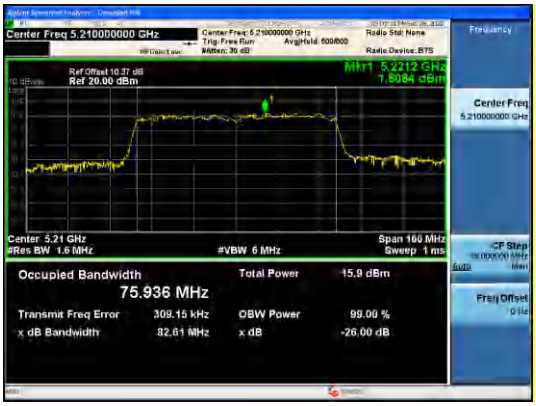
802.11n-HT40

26dB Bandwidth (MHz)	
ANT1	ANT2

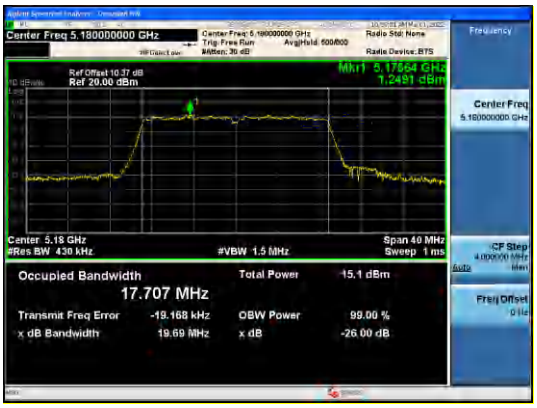
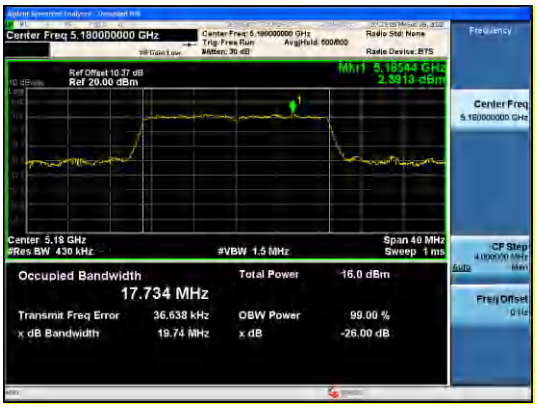
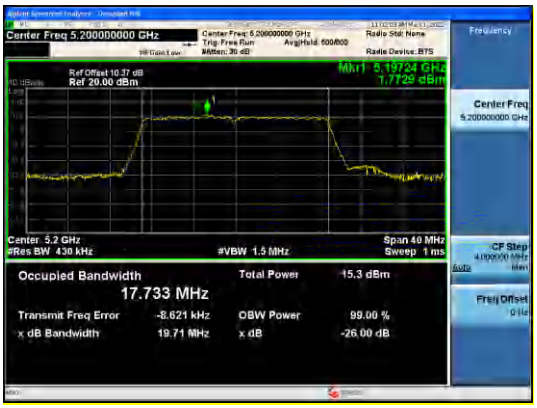
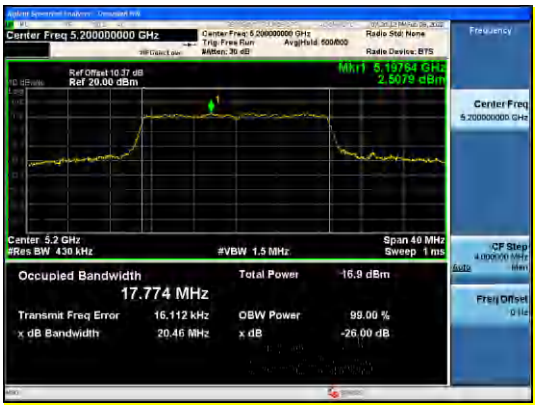
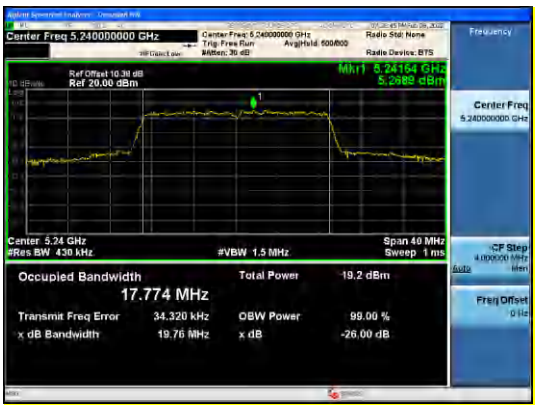
802.11a

99% Bandwidth (MHz)	
ANT1	ANT2
	
	
	

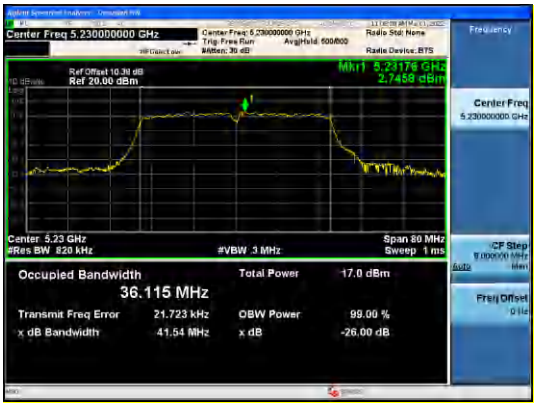
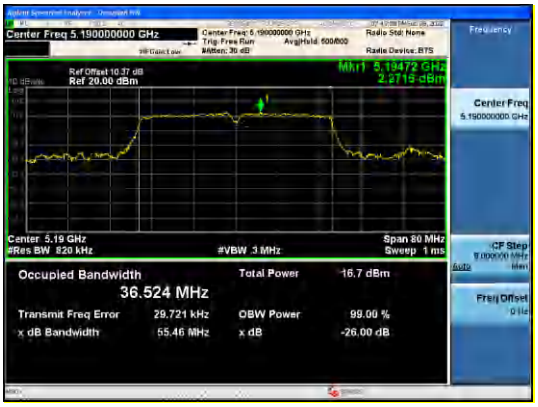
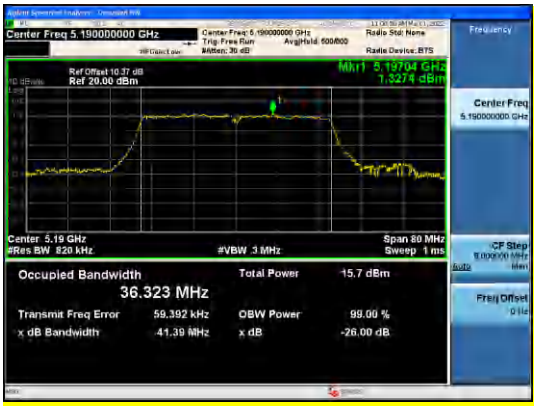
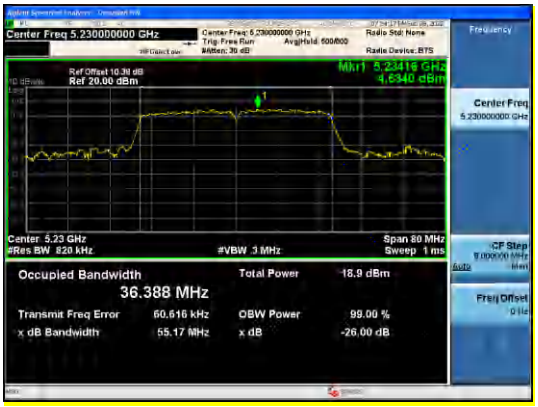
802.11ac80

99% Bandwidth (MHz)	
ANT1	ANT2
	

802.11n-HT20

99% Bandwidth (MHz)	
ANT1	ANT2
	
	
	

802.11n-HT40

99% Bandwidth (MHz)	
ANT1	ANT2
	
	

2. Maximum output power

Wi-Fi Module1: (model: nxp8997)

Note: 24dBm=250mW, 30dBm=1000Mw, G=Antenna Gain.

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
36 (802.11a)	5180	9.27	9.28	12.29	24	16.98	30	Pass
40 (802.11a)	5200	8.79	8.80	11.81	24	16.50	30	Pass
48 (802.11a)	5240	8.91	9.28	12.11	24	16.80	30	Pass
52 (802.11a)	5260	9.33	9.72	12.54	24	17.23	30	Pass
56 (802.11a)	5280	9.08	9.66	12.39	24	17.08	30	Pass
64 (802.11a)	5320	9.15	9.81	12.50	24	17.19	30	Pass
100 (802.11a)	5500	10.90	12.72	14.91	24	19.60	30	Pass
120 (802.11a)	5600	12.74	13.69	16.25	24	20.94	30	Pass
140 (802.11a)	5700	12.68	13.45	16.09	24	20.78	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
36 (802.11n20)	5180	8.54	8.45	11.51	24	16.20	30	Pass
40 (802.11n20)	5200	7.93	7.99	10.97	24	15.66	30	Pass
48 (802.11n20)	5240	8.05	8.45	11.26	24	15.95	30	Pass
52 (802.11n20)	5260	8.52	8.91	11.73	24	16.42	30	Pass
56 (802.11n20)	5280	8.30	8.87	11.60	24	16.29	30	Pass
64 (802.11n20)	5320	8.31	9.01	11.68	24	16.37	30	Pass
100 (802.11n20)	5500	10.10	11.87	14.08	24	18.77	30	Pass
120 (802.11n20)	5600	11.92	12.88	15.44	24	20.13	30	Pass
140 (802.11n20)	5700	11.75	12.55	15.18	24	19.87	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
36 (802.11ac20)	5180	5.37	5.16	8.28	24	12.97	30	Pass
40 (802.11ac20)	5200	4.88	4.64	7.77	24	12.46	30	Pass
48 (802.11ac20)	5240	5.54	5.82	8.69	24	13.38	30	Pass
52 (802.11ac20)	5260	5.42	5.70	8.57	24	13.26	30	Pass
56 (802.11ac20)	5280	5.50	5.97	8.75	24	13.44	30	Pass
64 (802.11ac20)	5320	5.69	6.04	8.88	24	13.57	30	Pass
100 (802.11ac20)	5500	7.07	8.47	10.84	24	15.53	30	Pass
120 (802.11ac20)	5600	9.64	9.83	12.75	24	17.44	30	Pass
140 (802.11ac20)	5700	9.61	9.70	12.67	24	17.36	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
38 (802.11n40)	5190	8.20	8.26	11.24	24	15.93	30	Pass
46 (802.11n40)	5230	7.61	7.87	10.75	24	15.44	30	Pass
54 (802.11n40)	5270	8.26	8.80	11.55	24	16.24	30	Pass
62 (802.11n40)	5310	8.02	8.65	11.36	24	16.05	30	Pass
102 (802.11n40)	5510	10.20	11.73	14.04	24	18.73	30	Pass
118 (802.11n40)	5590	10.99	12.34	14.73	24	19.42	30	Pass
134 (802.11n40)	5670	11.54	12.37	14.99	24	19.68	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
38 (802.11ac40)	5190	5.44	5.28	8.37	24	13.06	30	Pass
46 (802.11ac40)	5230	5.09	5.16	8.14	24	12.83	30	Pass
54 (802.11ac40)	5270	5.42	5.72	8.58	24	13.27	30	Pass
62 (802.11ac40)	5310	5.19	5.64	8.43	24	13.12	30	Pass
102 (802.11ac40)	5510	7.65	8.71	11.22	24	15.91	30	Pass
118 (802.11ac40)	5590	8.71	9.32	12.04	24	16.73	30	Pass
134 (802.11ac40)	5670	9.36	9.36	12.37	24	17.06	30	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
42 (802.11ac80)	5210	7.85	8.12	11.00	24	15.69	30	Pass
58 (802.11ac80)	5290	7.95	8.45	11.22	24	15.91	30	Pass
106 (802.11ac80)	5530	10.15	11.52	13.90	24	18.59	30	Pass
122 (802.11ac80)	5610	11.50	12.39	14.98	24	19.67	30	Pass

Wi-Fi Module2: (model: 8812CU)

Note: 24dBm=250mW, 30dBm=1000Mw, G=Antenna Gain.

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)			E.I.R.P (dBm)			Result
		ANT1	ANT2	Limit	ANT1+G	ANT2+G	Limit	
36 (802.11a)	5180	9.60	9.95	30	12.69	13.04	36	Pass
40 (802.11a)	5200	9.71	9.50	30	12.80	12.59	36	Pass
48 (802.11a)	5240	11.00	11.49	30	14.09	14.58	36	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
36 (802.11n20)	5180	8.51	8.23	11.38	30	14.47	36	Pass
40 (802.11n20)	5200	8.95	8.91	11.94	30	15.03	36	Pass
48 (802.11n20)	5240	10.45	10.71	13.59	30	16.68	36	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
36 (802.11ac20)	5180	8.49	7.79	11.16	30	14.25	36	Pass
40 (802.11ac20)	5200	8.24	8.55	11.41	30	14.50	36	Pass
48 (802.11ac20)	5240	9.50	10.86	13.24	30	16.33	36	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
38 (802.11n40)	5190	7.30	7.72	10.53	30	13.62	36	Pass
46 (802.11n40)	5230	9.09	9.32	12.22	30	15.31	36	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
38 (802.11ac40)	5190	5190	7.09	6.87	30	13.08	36	Pass
46 (802.11ac40)	5230	5230	8.49	9.55	30	15.15	36	Pass

Channel (mode)	Channel Frequency (MHz)	RF Conducted Output Power (dBm)				E.I.R.P (dBm)		Result
		ANT1	ANT2	Total	Limit	Total+G	Limit	
42 (802.11ac80)	5210	7.10	7.19	10.16	30	13.25	36	Pass

3. Power Spectral Density

3.1 Test Datas

Wi-Fi Module1: (model: nxp8997)

*The measurement power spectral density for U-NII-1 band is the e.i.r.p. spectral density, for U-NII-2A/2C is the conducted spectral density.
**For U-NII-1 band the limit is the e.i.r.p. spectral density, for U-NII-2A/2C is the conducted spectral density.

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total	Limit	
36 (802.11a)	5180	-1.034	-1.511	6.434	10	Pass
40 (802.11a)	5200	-1.423	-1.625	6.177	10	Pass
48 (802.11a)	5240	-1.770	-1.151	6.251	10	Pass
52 (802.11a)	5260	-1.302	-1.063	1.829	11	Pass
56 (802.11a)	5280	-1.482	-0.853	1.854	11	Pass
64 (802.11a)	5320	-0.882	-0.471	2.339	11	Pass
100 (802.11a)	5500	0.516	2.149	4.419	11	Pass
120 (802.11a)	5600	2.051	3.203	5.675	11	Pass
140 (802.11a)	5700	2.380	2.988	5.705	11	Pass

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total	Limit	
36 (802.11n-HT20)	5180	-2.326	-2.200	5.438	10	Pass
40 (802.11n-HT20)	5200	-2.964	-2.704	4.868	10	Pass
48 (802.11n-HT20)	5240	-2.697	-2.441	5.133	10	Pass
52 (802.11n-HT20)	5260	-2.513	-1.738	0.902	11	Pass
56 (802.11n-HT20)	5280	-2.774	-1.926	0.681	11	Pass
64 (802.11n-HT20)	5320	-2.510	-1.765	0.889	11	Pass
100 (802.11n-HT20)	5500	-0.792	1.257	3.363	11	Pass
120 (802.11n-HT20)	5600	0.993	1.972	4.520	11	Pass
140 (802.11n-HT20)	5700	0.849	1.938	4.438	11	Pass

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total	Limit	
38 (802.11n-HT40)	5190	-5.557	-5.050	2.404	10	Pass
46 (802.11n-HT40)	5230	-5.659	-5.064	2.349	10	Pass
54 (802.11n-HT40)	5270	-5.266	-4.859	-2.047	11	Pass
62 (802.11n-HT40)	5310	-5.848	-4.472	-2.095	11	Pass
102 (802.11n-HT40)	5510	-2.978	-1.824	0.648	11	Pass
118 (802.11n-HT40)	5590	-2.625	-1.481	0.995	11	Pass
134 (802.11n-HT40)	5670	-2.019	-1.520	1.248	11	Pass

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total	Limit	
42 (802.11ac80)	5210	-8.644	-8.644	-0.944	10	Pass
58 (802.11ac80)	5290	-8.786	-8.203	-5.474	11	Pass
106 (802.11ac80)	5530	-6.746	-5.586	-3.117	11	Pass
122 (802.11ac80)	5610	-5.500	-4.250	-1.820	11	Pass

Wi-Fi Module 2: (model: 8812CU)

*The measurement power spectral density for U-NII-1 band is the e.i.r.p. spectral density.

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)					Result
		ANT1	ANT2	ANT1+G	ANT2+G	Limit	
36 (802.11a)	5180	-0.121	0.149	2.969	3.239	10	Pass
40 (802.11a)	5200	-0.187	0.051	2.903	3.141	10	Pass
48 (802.11a)	5240	0.706	0.822	3.796	3.912	10	Pass

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total+G	Limit	
36 (802.11n-HT20)	5180	-1.219	-1.909	4.550	10	Pass
40 (802.11n-HT20)	5200	-1.733	-1.796	4.336	10	Pass
48 (802.11n-HT20)	5240	-0.408	0.225	6.020	10	Pass

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total+G	Limit	
38 (802.11n-HT40)	5190	-5.870	-5.853	0.239	10	Pass
46 (802.11n-HT40)	5230	-5.079	-4.796	1.165	10	Pass

Channel (mode)	Channel Frequency (MHz)	Power Spectral Density (dBm/MHz)				Result
		ANT1	ANT2	Total+G	Limit	
42 (802.11ac80)	5210	-7.374	-5.919	-0.486	10	Pass

4. Transmitter Spurious Emissions

Note:1, Testing is carried out with frequency rang 9kHz to the tenth harmonics.
2, The margin is greater than 20 dB are not shown in this Appendix.

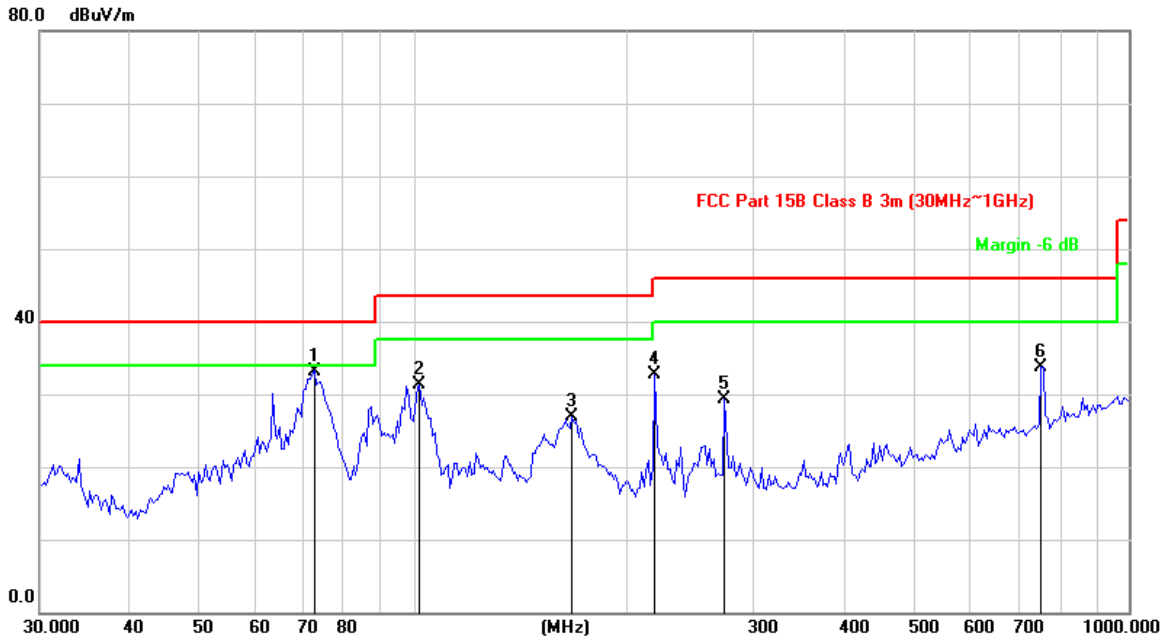
4.1 Transmitter Spurious Emissions, Below 1GHz

Wi-Fi Module 1 (model: nxp8997)

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal

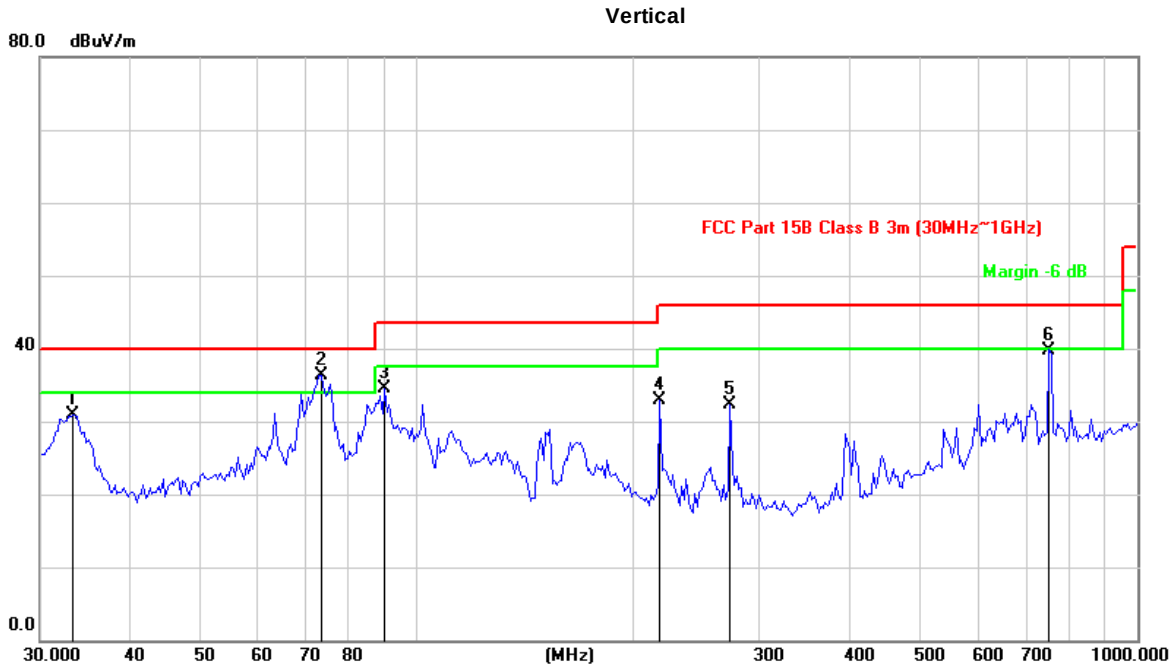


Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
72.7203	50.43	-17.23	33.20	40.00	-6.80	peak	300	291
101.8932	48.62	-17.35	31.27	43.50	-12.23	peak	200	244
166.6385	39.72	-12.77	26.95	43.50	-16.55	peak	200	132
217.6437	48.92	-16.22	32.70	46.00	-13.30	peak	200	184
272.5246	44.14	-14.77	29.37	46.00	-16.63	peak	200	215
754.9628	37.62	-3.90	33.72	46.00	-12.28	peak	300	148

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan



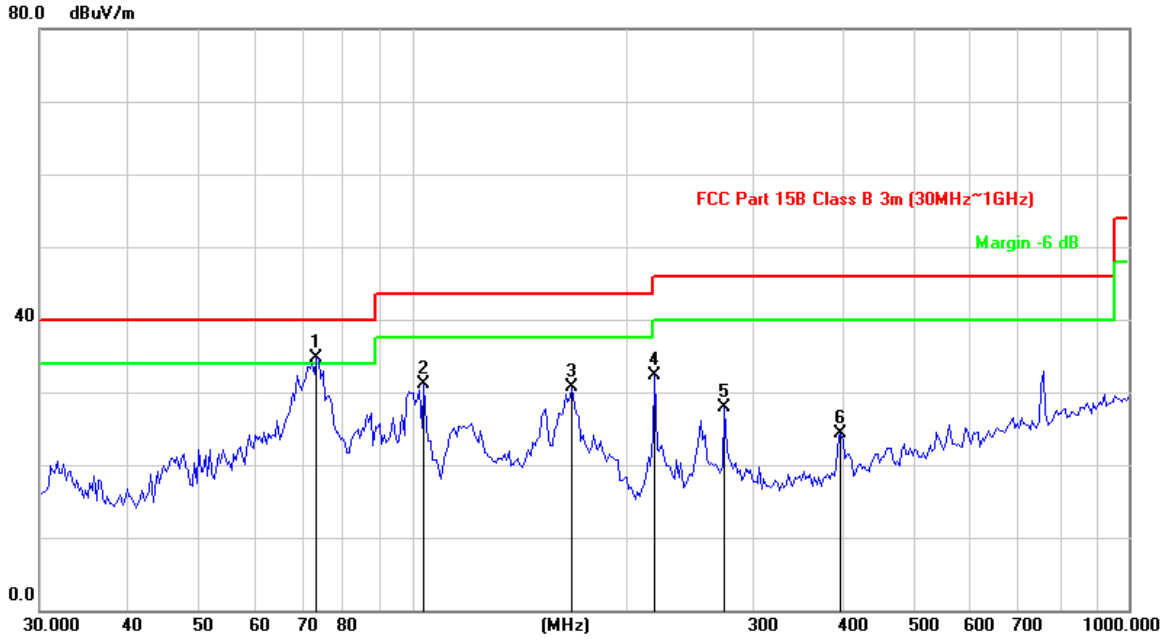
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
33.3349	47.69	-16.78	30.91	40.00	-9.09	peak	100	164
73.7496	53.63	-17.28	36.35	40.00	-3.65	peak	100	122
90.4198	52.98	-18.46	34.52	43.50	-8.98	peak	200	184
217.6437	49.12	-16.22	32.90	46.00	-13.10	peak	200	132
272.5246	47.00	-14.77	32.23	46.00	-13.77	peak	100	224
754.9628	43.70	-3.90	39.80	46.00	-6.20	peak	100	178

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch165
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



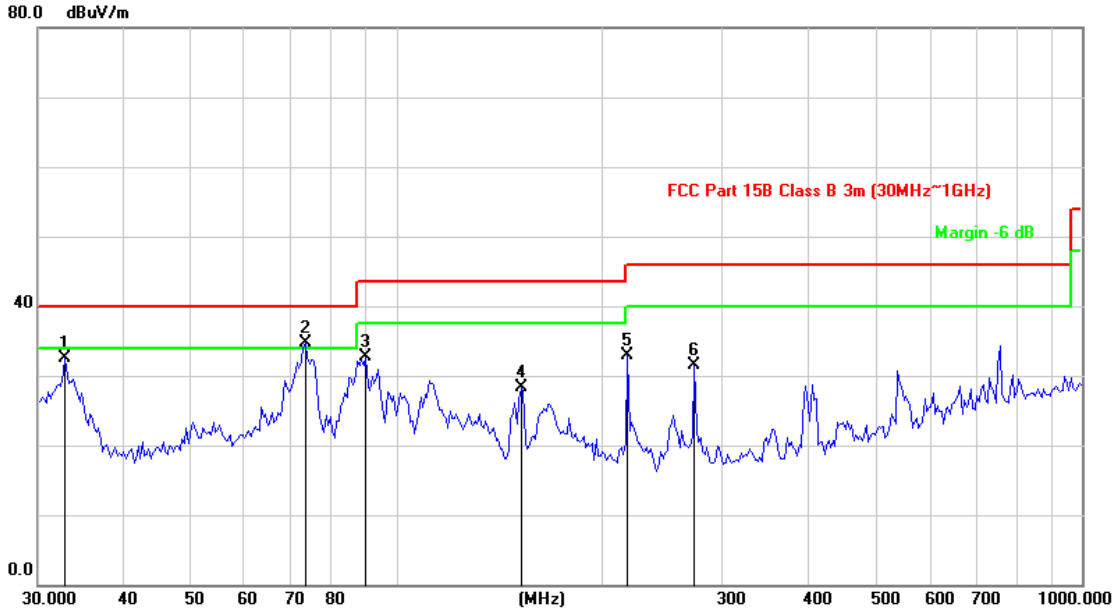
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
73.2331	51.92	-17.27	34.65	40.00	-5.35	peak	200	158
103.3353	48.37	-17.29	31.08	43.50	-12.42	peak	200	145
166.6385	43.38	-12.77	30.61	43.50	-12.89	peak	200	132
217.6437	48.56	-16.22	32.34	46.00	-13.66	peak	300	224
272.5246	42.64	-14.77	27.87	46.00	-18.13	peak	200	204
395.5071	36.35	-11.99	24.36	46.00	-21.64	peak	300	133

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch165
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

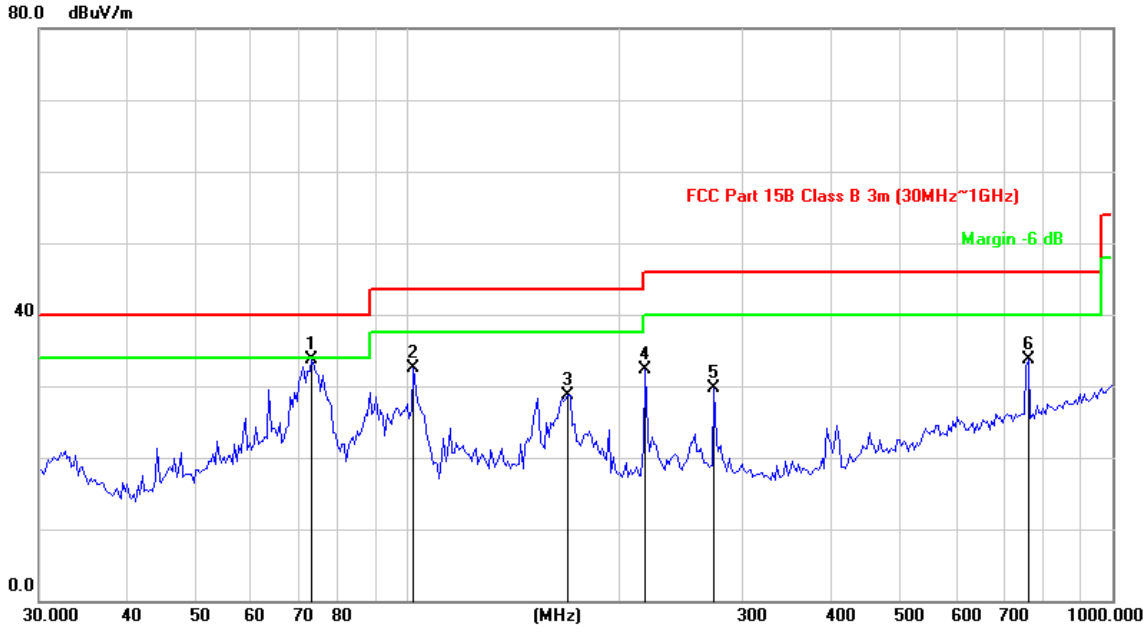
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
32.8697	49.31	-16.79	32.52	40.00	-7.48	peak	200	132
73.7496	51.94	-17.28	34.66	40.00	-5.34	peak	200	262
90.4198	51.09	-18.46	32.63	43.50	-10.87	peak	100	165
152.0902	42.57	-14.30	28.27	43.50	-15.23	peak	100	195
217.6437	49.16	-16.22	32.94	46.00	-13.06	peak	100	201
272.5246	46.20	-14.77	31.43	46.00	-14.57	peak	200	194

Wi-Fi Module 2 (model: 8812CU)

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal

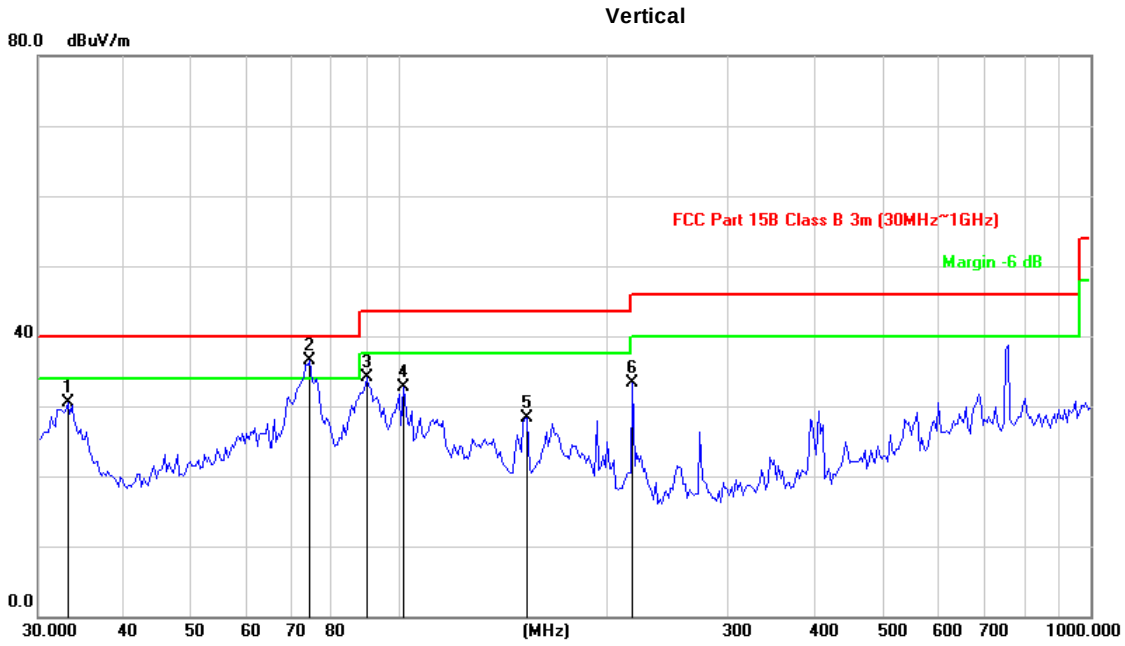


Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
73.2331	50.98	-17.27	33.71	40.00	-6.29	peak	200	169
101.8932	49.94	-17.35	32.59	43.50	-10.91	peak	300	132
168.9970	41.47	-12.69	28.78	43.50	-14.72	peak	200	114
217.6437	48.48	-16.22	32.26	46.00	-13.74	peak	200	215
272.5246	44.52	-14.77	29.75	46.00	-16.25	peak	200	263
760.2867	37.59	-3.82	33.77	46.00	-12.23	peak	300	277

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

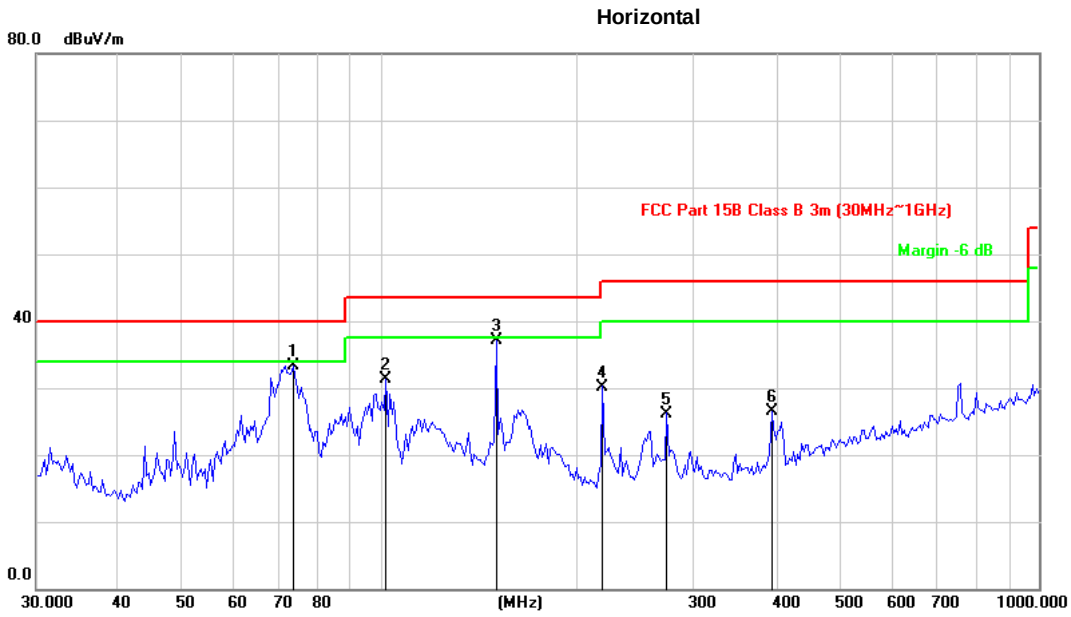


Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
33.1015	47.26	-16.79	30.47	40.00	-9.53	peak	100	296
74.2696	53.89	-17.32	36.57	40.00	-3.43	peak	100	118
89.7866	52.53	-18.49	34.04	43.50	-9.46	peak	100	246
101.1797	50.00	-17.38	32.62	43.50	-10.88	peak	200	288
153.1627	42.48	-14.12	28.36	43.50	-15.14	peak	100	146
217.6437	49.53	-16.22	33.31	46.00	-12.69	peak	100	131

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch165
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan



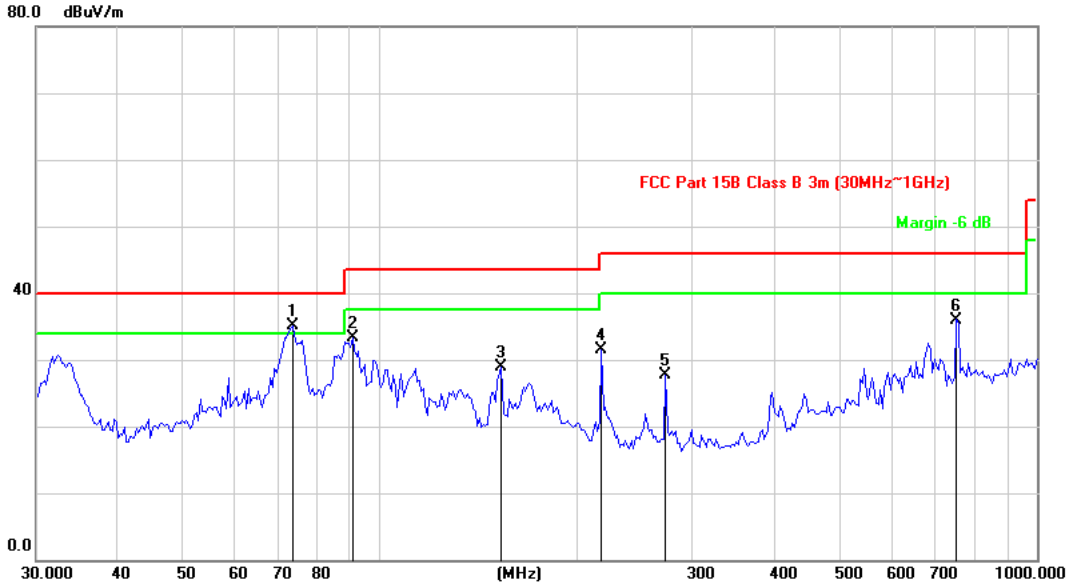
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
73.7496	50.68	-17.28	33.40	40.00	-6.60	peak	-17.28	33.40
101.8931	48.69	-17.35	31.34	43.50	-12.16	peak	-17.35	31.34
149.9676	51.78	-14.64	37.14	43.50	-6.36	peak	-14.64	37.14
217.6436	46.42	-16.22	30.20	46.00	-15.80	peak	-16.22	30.20
272.5246	40.97	-14.77	26.20	46.00	-19.80	peak	-14.77	26.20
392.7375	38.58	-12.03	26.55	46.00	-19.45	peak	-12.03	26.55

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_Ch165
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
73.7496	52.29	-17.28	35.01	40.00	-4.99	peak	100	175
91.0574	51.72	-18.39	33.33	43.50	-10.17	peak	100	146
153.1627	43.12	-14.12	29.00	43.50	-14.50	peak	200	226
217.6437	47.79	-16.22	31.57	46.00	-14.43	peak	200	294
272.5246	42.38	-14.77	27.61	46.00	-18.39	peak	100	135
754.9628	39.90	-3.90	36.00	46.00	-10.00	peak	100	264

4.2 Transmitter Spurious Emissions, 1GHz-18GHz

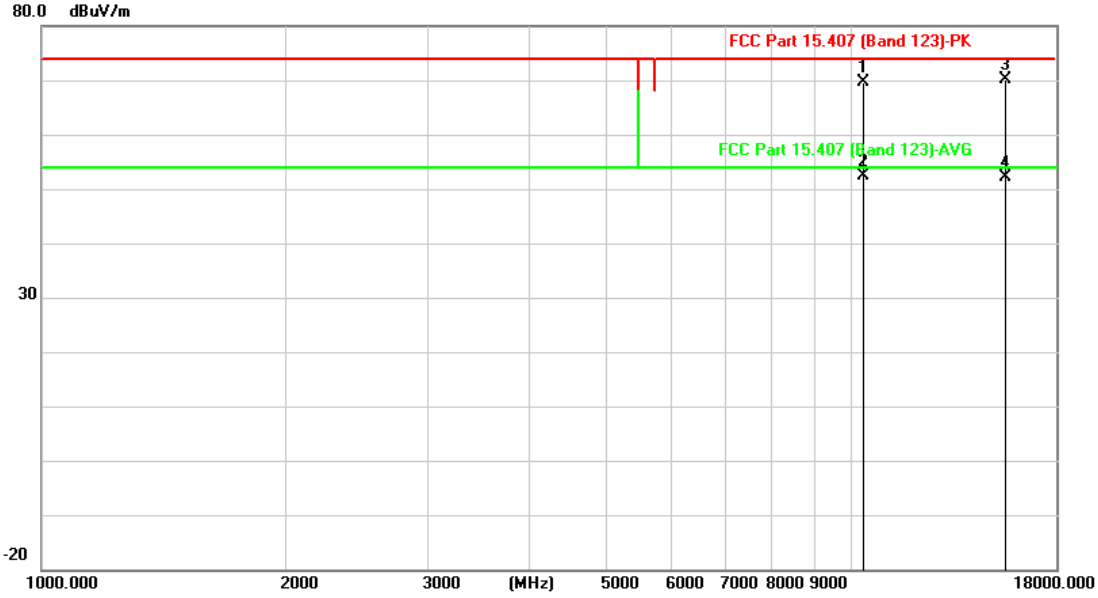
Note: The highest waveform in the figure is Wi-Fi Fundamental.

Wi-Fi Module 1 (model: nxp8997):

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



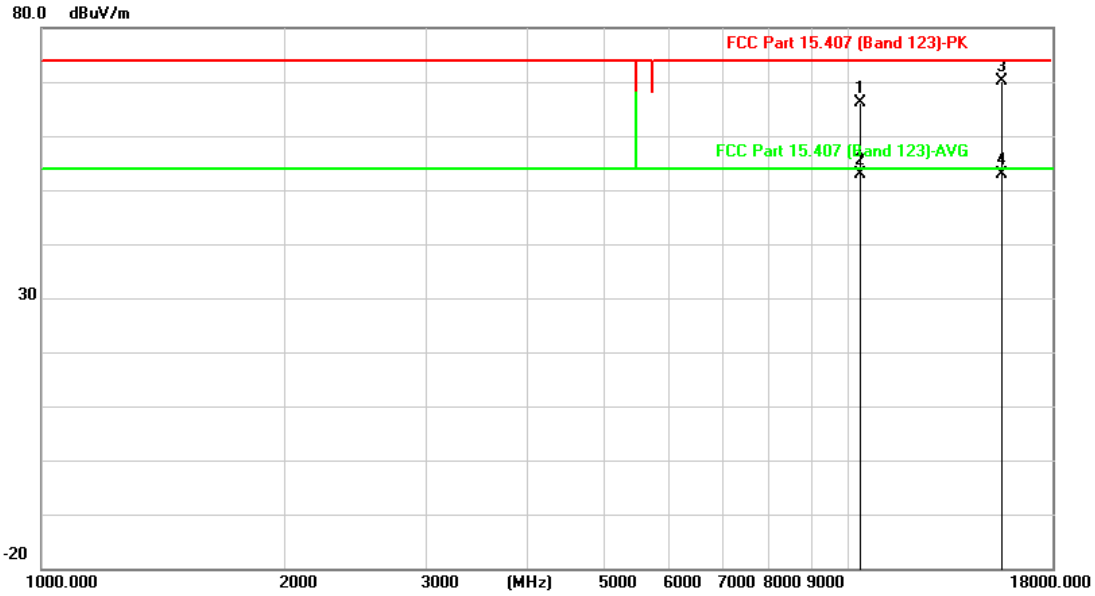
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	55.14	14.44	69.58	74.00	-4.42	peak	100	58
10360.000	37.87	14.44	52.31	54.00	-1.69	AVG	100	58
15540.000	51.96	18.29	70.25	74.00	-3.75	peak	100	83
15540.000	33.90	18.29	52.19	54.00	-1.81	AVG	100	83

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



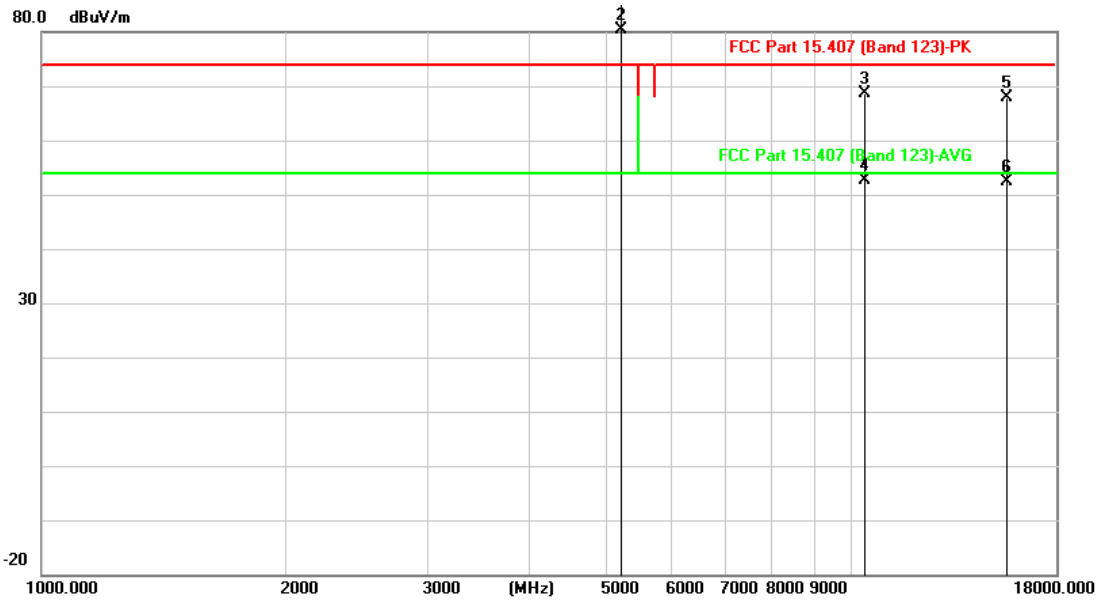
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	51.73	14.44	66.17	74.00	-7.83	peak	188	94
10360.000	38.41	14.44	52.85	54.00	-1.15	AVG	188	94
15540.000	51.94	18.29	70.23	74.00	-3.77	peak	100	87
15540.000	34.51	18.29	52.80	54.00	-1.20	AVG	100	87

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



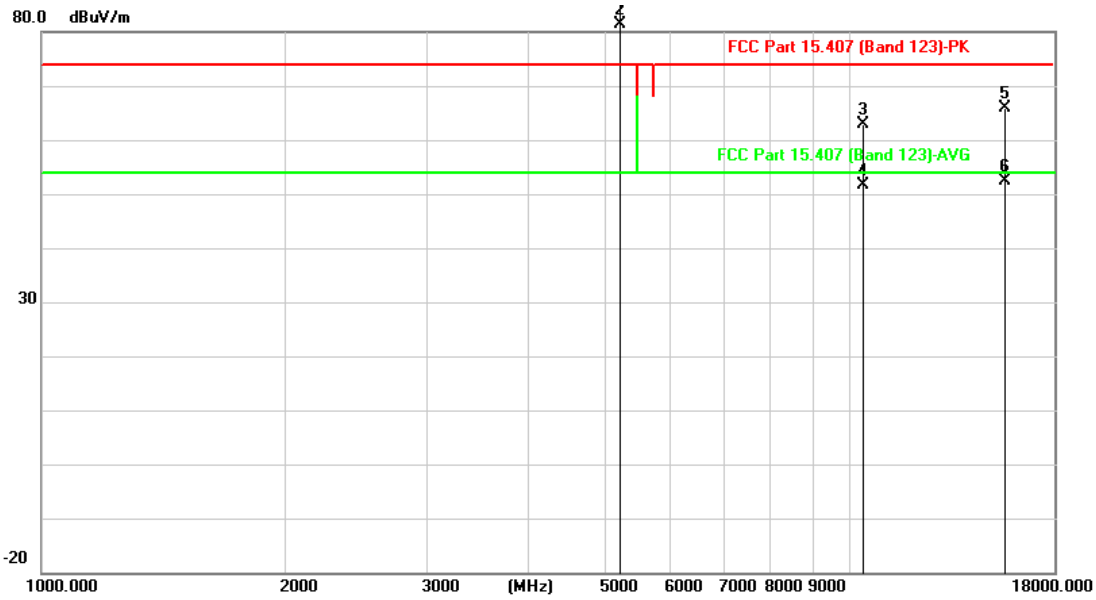
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	98.89	6.77	105.66			peak	150	235
5200.000	73.73	6.77	80.50			AVG	150	235
10400.000	54.12	14.51	68.63	74.00	-5.37	peak	100	60
10400.000	38.08	14.51	52.59	54.00	-1.41	AVG	100	60
15600.000	49.85	18.08	67.93	74.00	-6.07	peak	135	85
15600.000	34.29	18.08	52.37	54.00	-1.63	AVG	135	85

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



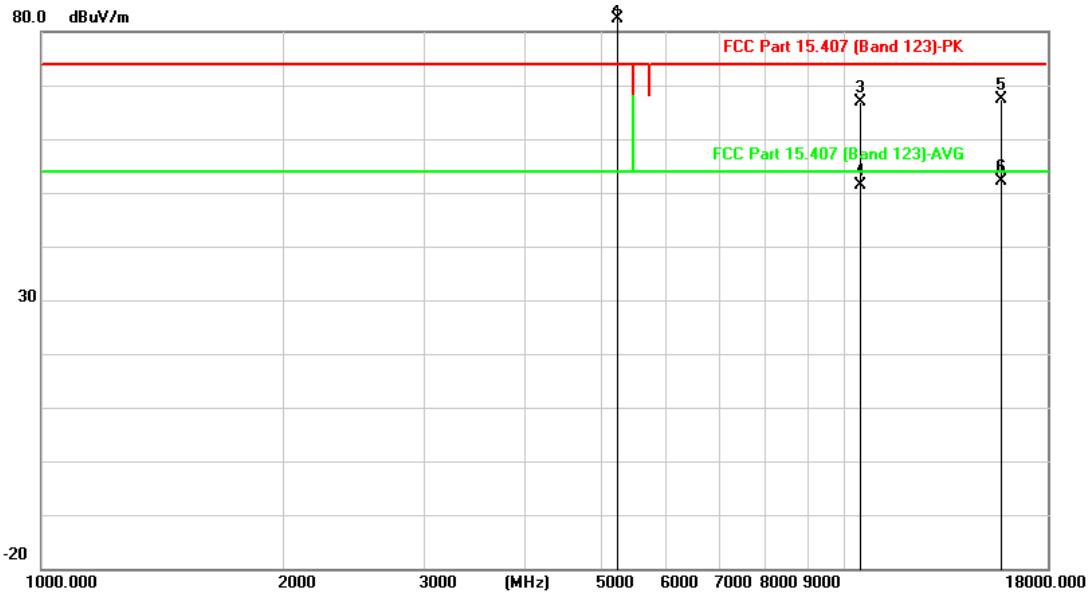
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	100.11	6.77	106.88			peak	100	185
5200.000	74.73	6.77	81.50			AVG	100	185
10400.000	48.48	14.51	62.99	74.00	-11.01	peak	120	66
10400.000	37.12	14.51	51.63	54.00	-2.37	AVG	120	66
15600.000	47.85	18.08	65.93	74.00	-8.07	peak	100	85
15600.000	34.41	18.08	52.49	54.00	-1.51	AVG	100	85

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH48
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



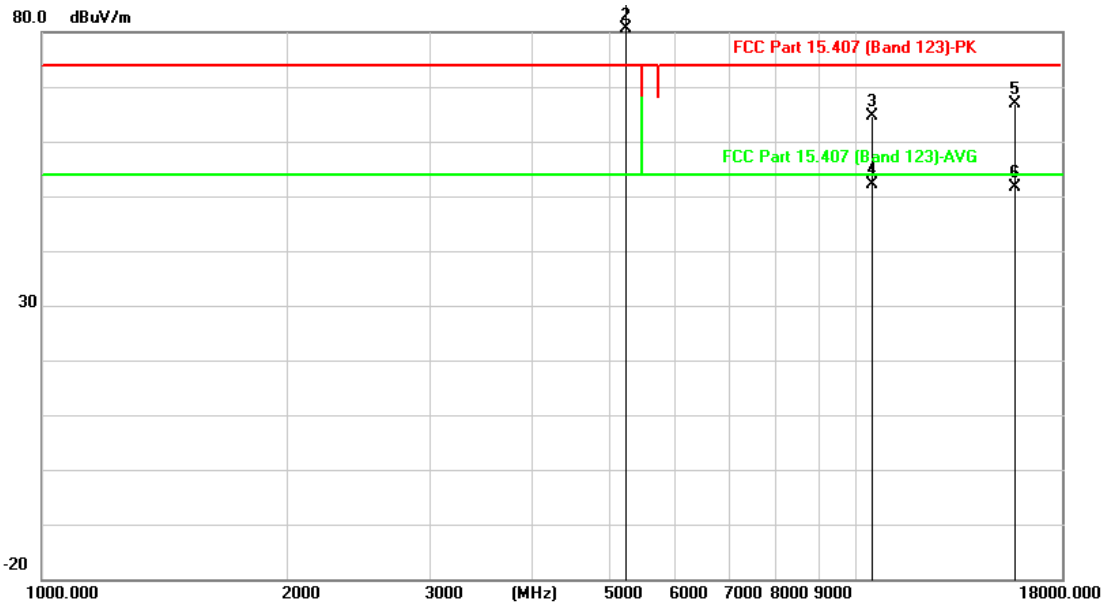
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	102.53	5.67	108.20			peak	100	133
5240.000	76.73	5.67	82.40			AVG	100	133
10480.000	52.14	14.66	66.80	74.00	-7.20	peak	120	90
10480.000	36.64	14.66	51.30	54.00	-2.70	AVG	120	90
15720.000	49.76	17.66	67.42	74.00	-6.58	peak	100	64
15720.000	34.48	17.66	52.14	54.00	-1.86	AVG	100	64

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH48
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



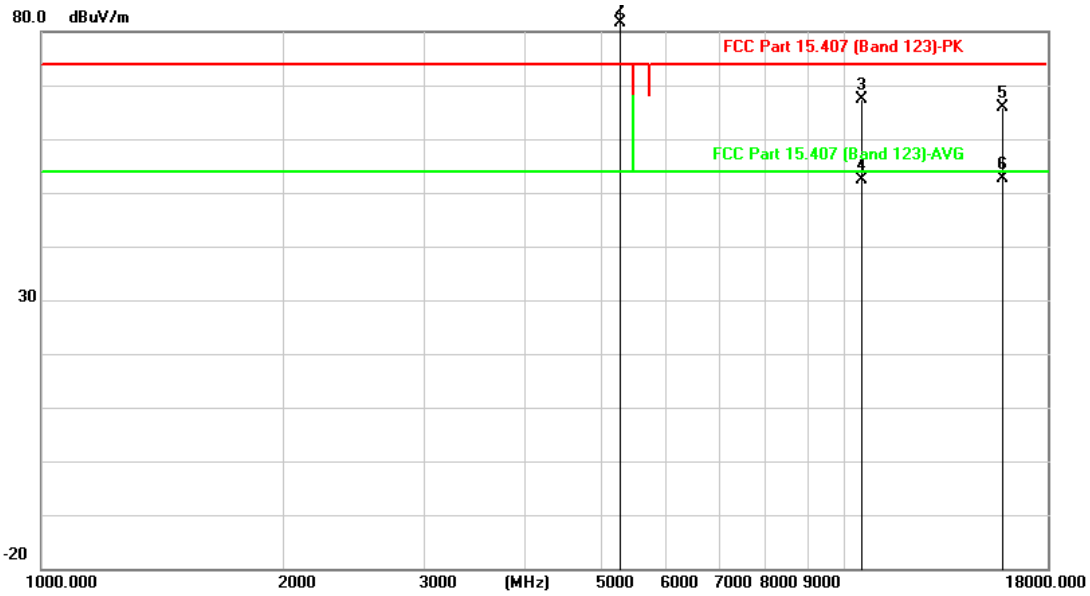
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	101.63	5.67	107.30			peak	200	133
5240.000	74.90	5.67	80.57			AVG	200	133
10480.000	49.89	14.66	64.55	74.00	-9.45	peak	100	70
10480.000	37.45	14.66	52.11	54.00	-1.89	AVG	100	70
15720.000	49.24	17.66	66.90	74.00	-7.10	peak	100	80
15720.000	34.00	17.66	51.66	54.00	-2.34	AVG	100	80

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH52
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



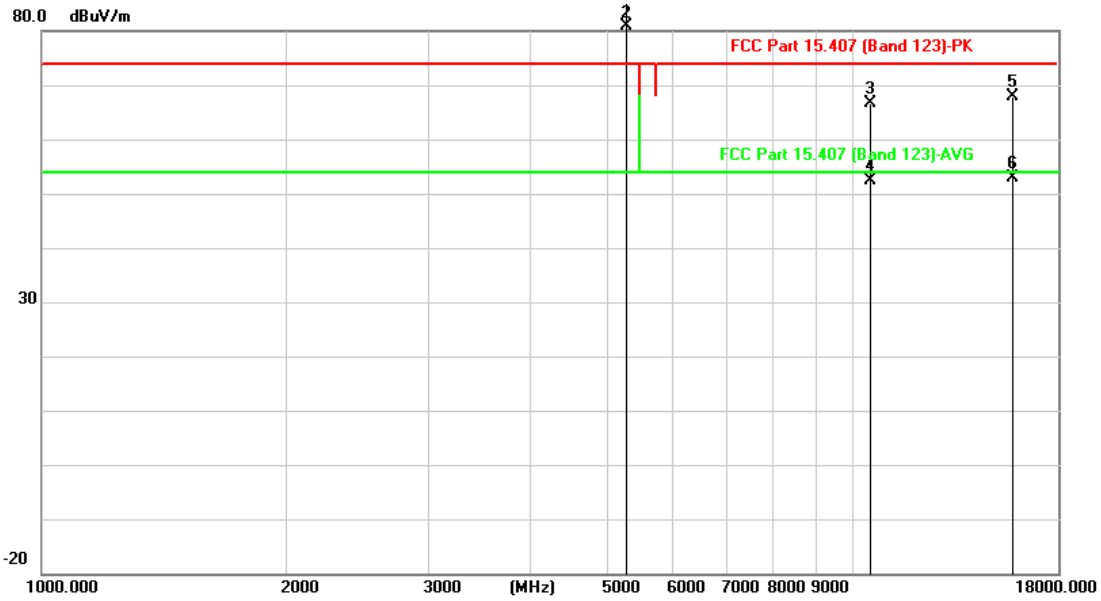
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5260.000	102.19	5.13	107.32			peak	200	255
5260.000	76.42	5.13	81.55			AVG	200	255
10520.000	52.76	14.74	67.50	74.00	-6.50	peak	100	88
10520.000	37.76	14.74	52.50	54.00	-1.50	AVG	100	88
15780.000	48.53	17.45	65.98	74.00	-8.02	peak	100	84
15780.000	35.20	17.45	52.65	54.00	-1.35	AVG	100	84

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH52
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



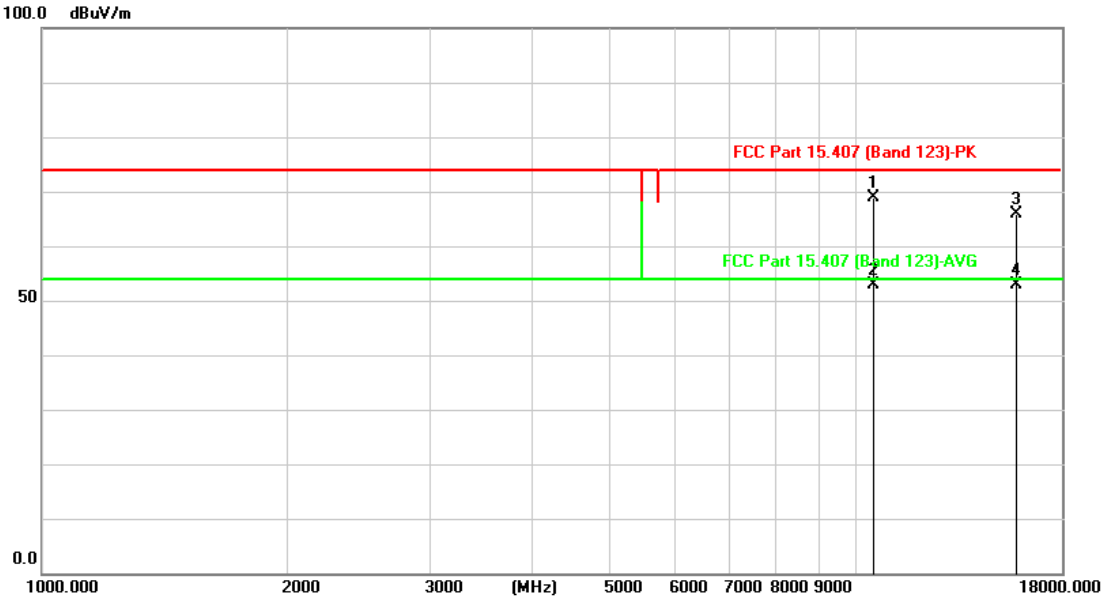
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5260.000	100.75	5.13	105.88			peak	200	255
5260.000	75.82	5.13	80.95			AVG	200	255
10520.000	51.81	14.74	66.55	74.00	-7.45	peak	100	70
10520.000	37.66	14.74	52.40	54.00	-1.60	AVG	100	70
15780.000	50.45	17.45	67.90	74.00	-6.10	peak	100	80
15780.000	35.45	17.45	52.90	54.00	-1.10	AVG	100	80

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH56
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



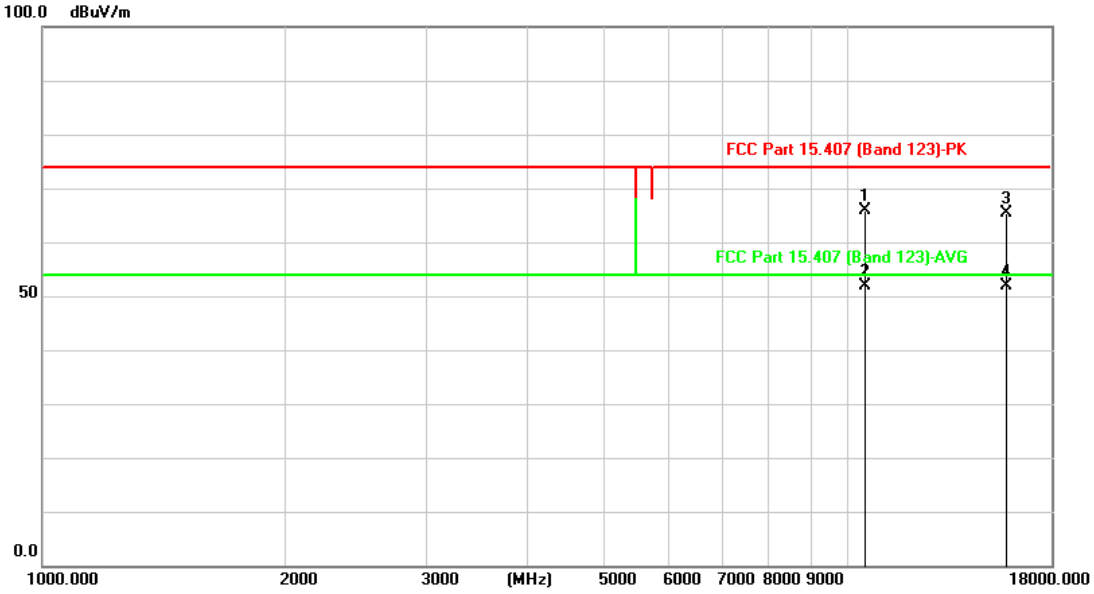
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10560.000	54.08	14.80	68.88	74.00	-5.12	peak	100	238
10560.000	38.09	14.80	52.89	54.00	-1.11	AVG	100	238
15840.000	48.64	17.24	65.88	74.00	-8.12	peak	100	263
15840.000	35.54	17.24	52.78	54.00	-1.22	AVG	100	263

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH56
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



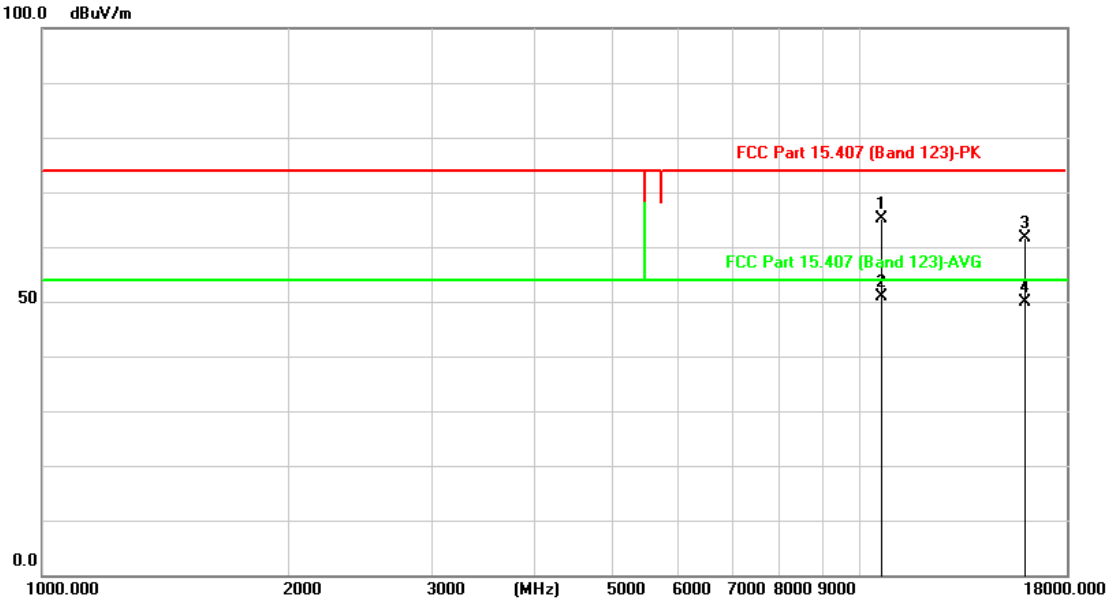
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10560.000	51.11	14.80	65.91	74.00	-8.09	peak	100	276
10560.000	37.09	14.80	51.89	54.00	-2.11	AVG	100	276
15840.000	48.08	17.24	65.32	74.00	-8.68	peak	100	298
15840.000	34.63	17.24	51.87	54.00	-2.13	AVG	100	298

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



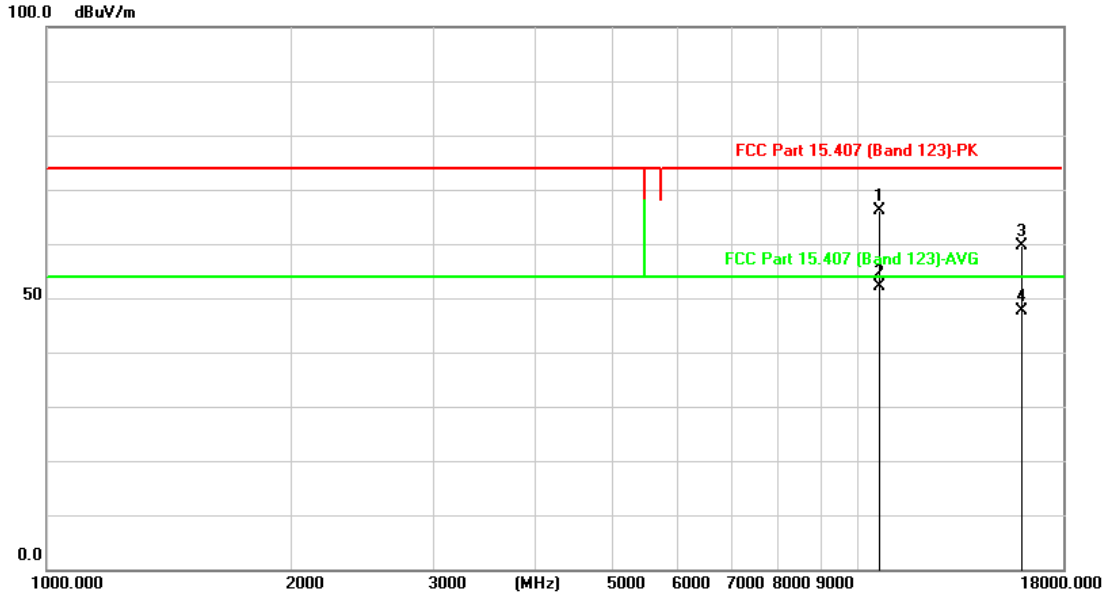
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10640.000	50.16	14.93	65.09	74.00	-8.91	peak	100	247
10640.000	36.04	14.93	50.97	54.00	-3.03	AVG	100	247
15960.000	44.75	16.81	61.56	74.00	-12.44	peak	100	299
15960.000	33.08	16.81	49.89	54.00	-4.11	AVG	100	299

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



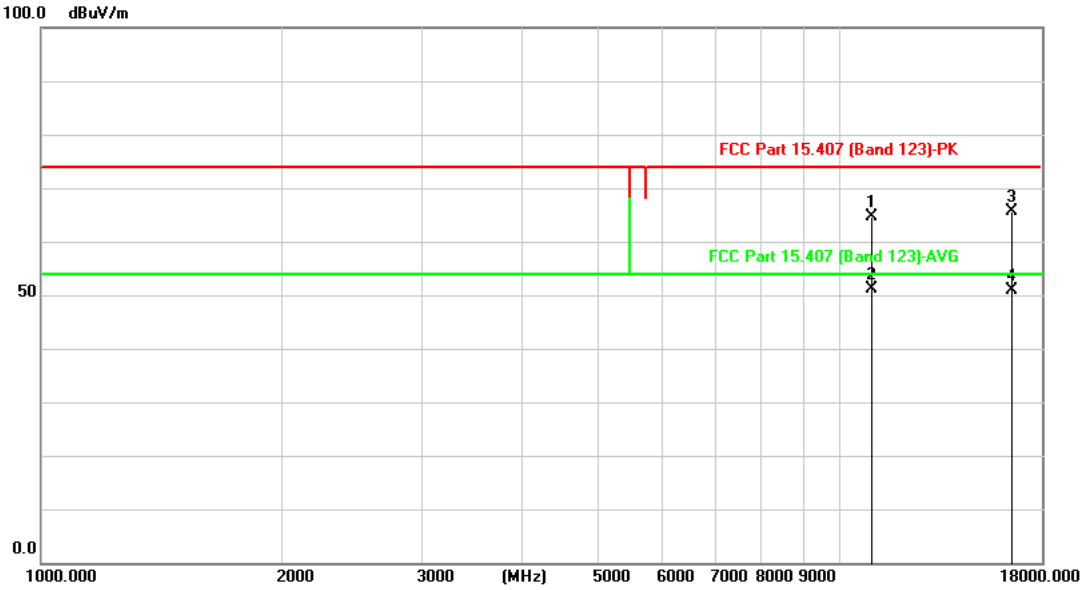
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10640.000	51.16	14.93	66.09	74.00	-7.91	peak	100	247
10640.000	37.15	14.93	52.08	54.00	-1.92	AVG	100	247
15960.000	42.90	16.81	59.71	74.00	-14.29	peak	100	207
15960.000	30.90	16.81	47.71	54.00	-6.29	AVG	100	207

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



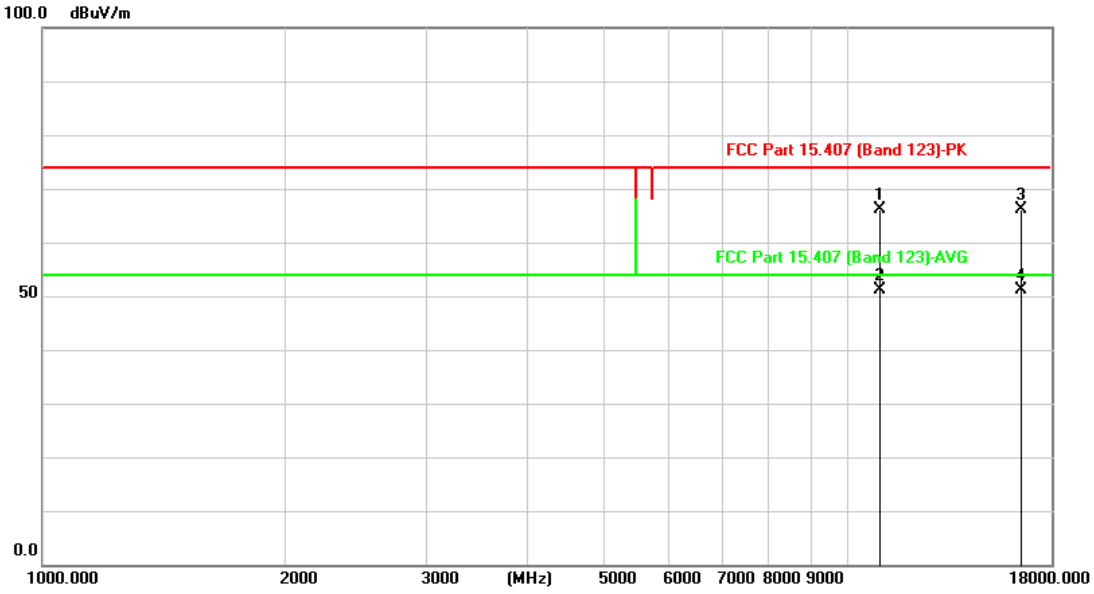
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11000.000	49.07	15.54	64.61	74.00	-9.39	peak	108	263
11000.000	35.62	15.54	51.16	54.00	-2.84	AVG	100	263
16500.000	46.61	18.96	65.57	74.00	-8.43	peak	100	283
16500.000	32.03	18.96	50.99	54.00	-3.01	AVG	100	283

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



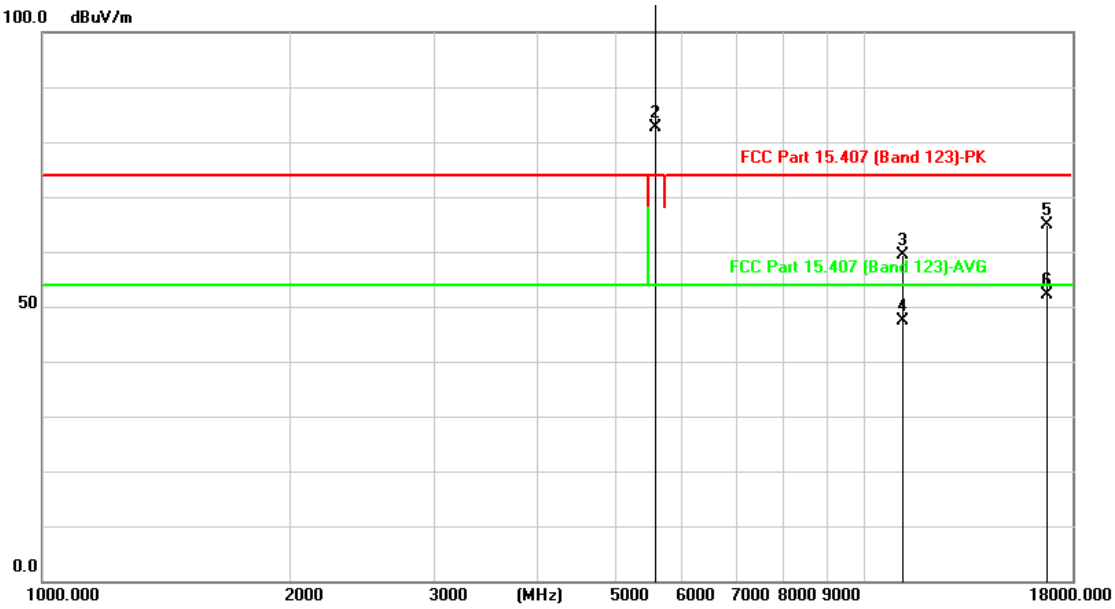
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11000.000	50.58	15.54	66.12	74.00	-7.88	peak	100	275
11000.000	35.57	15.54	51.11	54.00	-2.89	AVG	100	275
16500.000	47.16	18.96	66.12	74.00	-7.88	peak	100	281
16500.000	32.23	18.96	51.19	54.00	-2.81	AVG	100	281

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH116
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



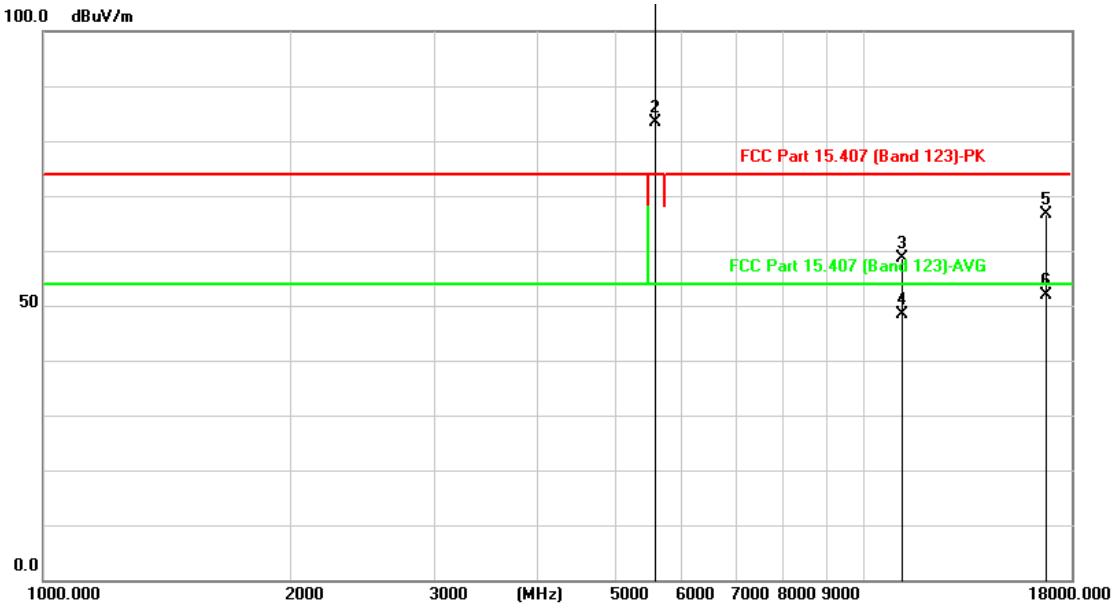
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5580.000	102.66	4.57	107.23			peak	378	324
5580.000	77.97	4.57	82.54			AVG	378	324
11160.000	43.82	15.48	59.30	74.00	-14.70	peak	100	247
11160.000	31.78	15.48	47.26	54.00	-6.74	AVG	100	247
16740.000	44.82	20.10	64.92	74.00	-9.08	peak	100	295
16740.000	31.96	20.10	52.06	54.00	-1.94	AVG	100	295

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH116
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



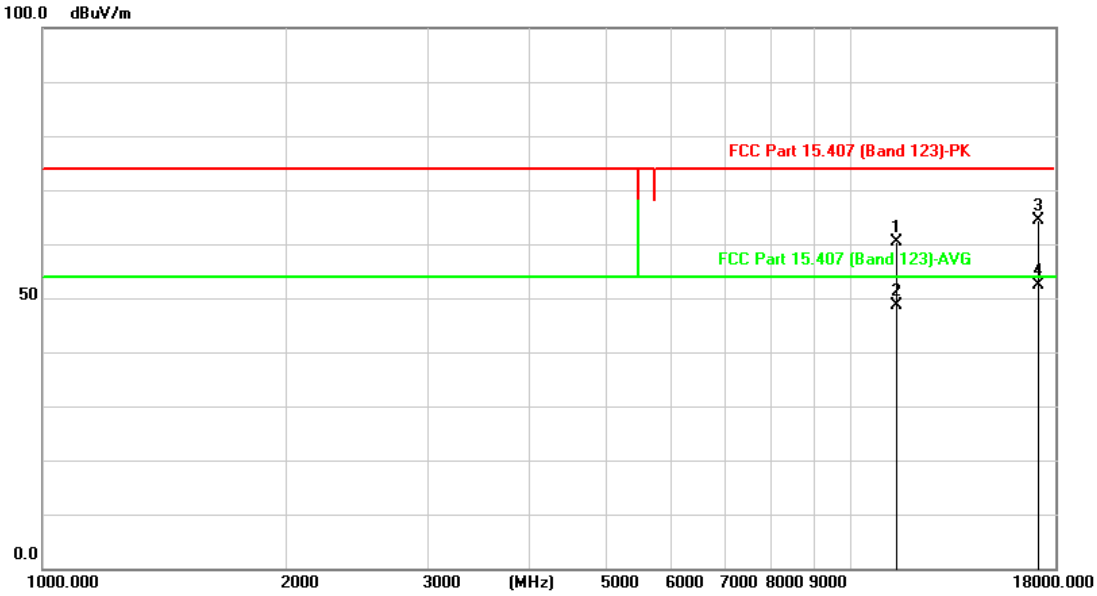
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5580.000	104.19	4.57	108.76			peak	374	354
5580.000	78.89	4.57	83.46			AVG	364	318
11160.000	43.25	15.48	58.73	74.00	-15.27	peak	100	303
11160.000	32.88	15.48	48.36	54.00	-5.64	AVG	100	303
16740.000	46.49	20.10	66.59	74.00	-7.41	peak	100	266
16740.000	31.90	20.10	52.00	54.00	-2.00	AVG	100	266

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



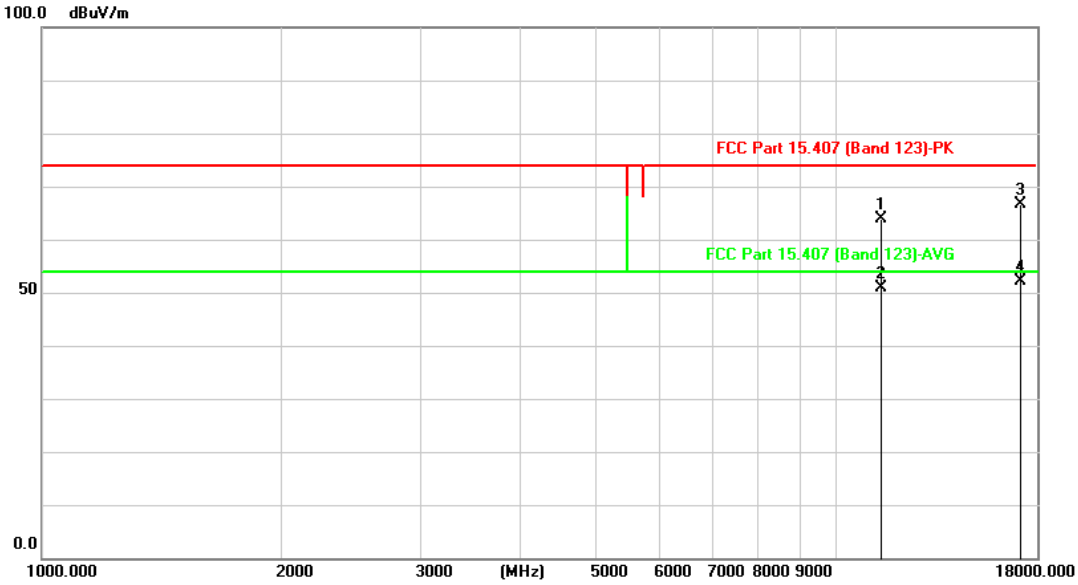
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11400.000	44.94	15.37	60.31	74.00	-13.69	peak	100	360
11400.000	33.14	15.37	48.51	54.00	-5.49	AVG	100	360
17100.000	42.31	22.07	64.38	74.00	-9.62	peak	100	296
17100.000	30.29	22.07	52.36	54.00	-1.64	AVG	100	296

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



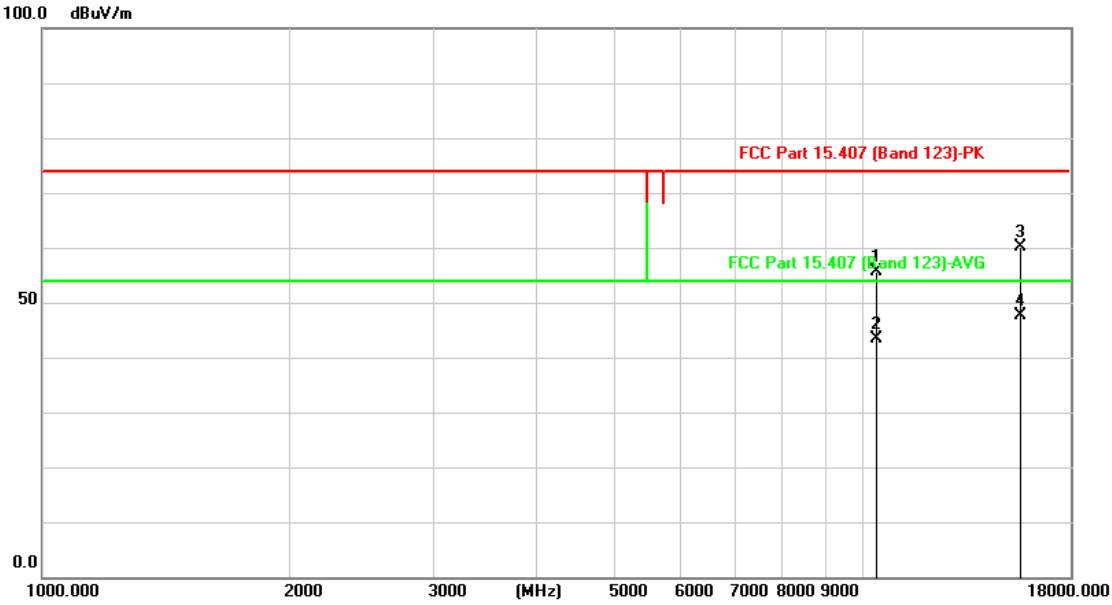
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11400.000	48.46	15.37	63.83	74.00	-10.17	peak	100	261
11400.000	35.62	15.37	50.99	54.00	-3.01	AVG	100	261
17100.000	44.48	22.07	66.55	74.00	-7.45	peak	100	265
17100.000	30.03	22.07	52.10	54.00	-1.90	AVG	100	265

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



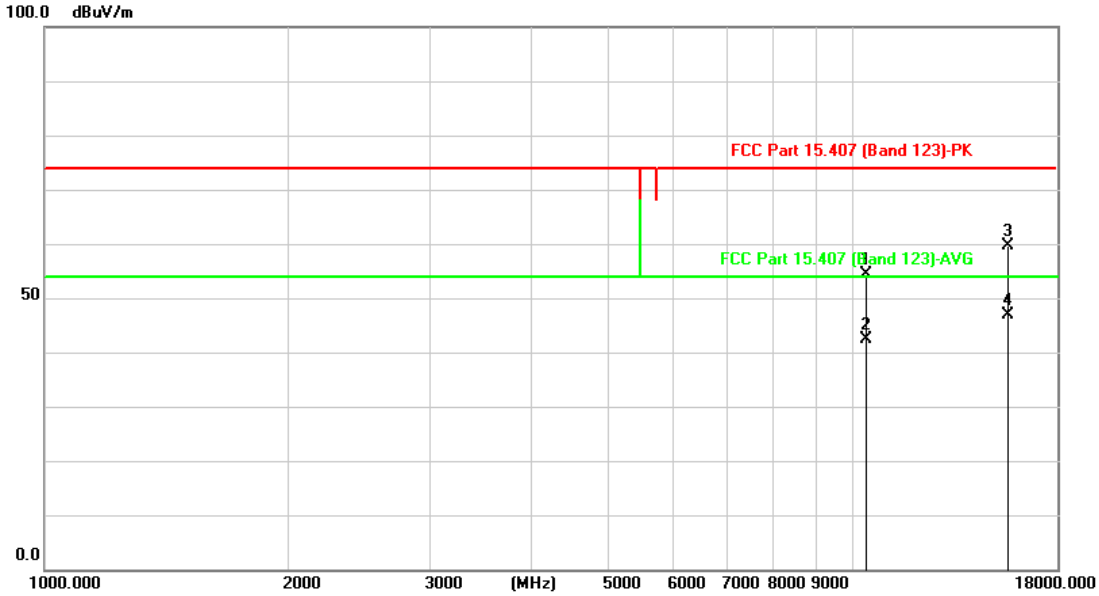
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10420.000	41.05	14.55	55.60	74.00	-18.40	peak	100	99
10420.000	28.72	14.55	43.27	54.00	-10.73	AVG	100	99
15630.000	42.22	17.96	60.18	74.00	-13.82	peak	100	84
15630.000	29.60	17.96	47.56	54.00	-6.44	AVG	100	84

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



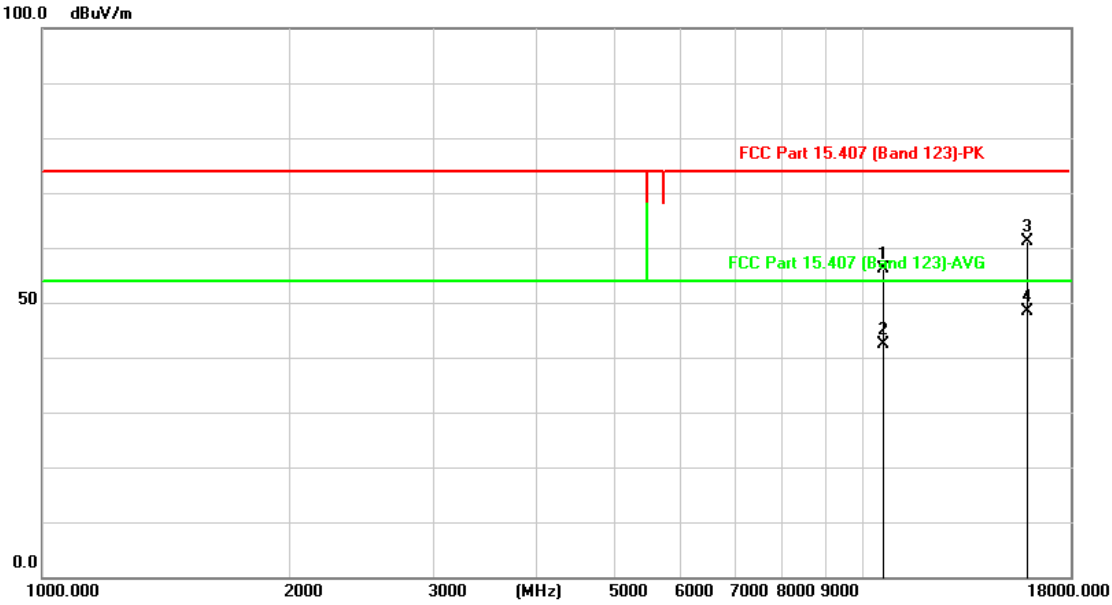
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10420.000	39.75	14.55	54.30	74.00	-19.70	peak	100	105
10420.000	27.95	14.55	42.50	54.00	-11.50	AVG	100	105
15630.000	41.55	17.96	59.51	74.00	-14.49	peak	100	84
15630.000	28.81	17.96	46.77	54.00	-7.23	AVG	100	84

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH58
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



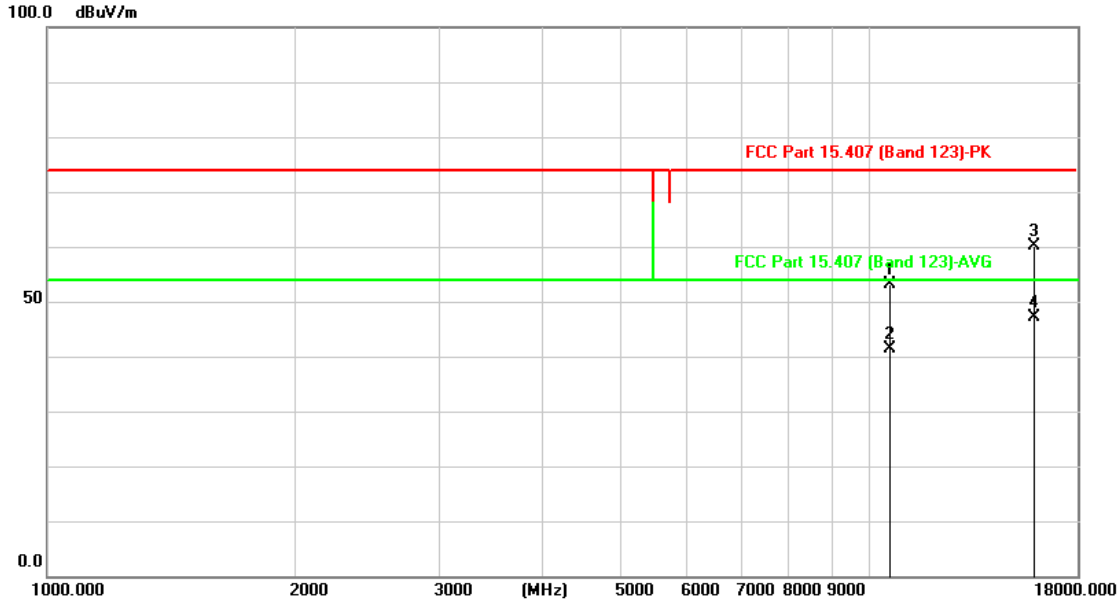
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10580.000	41.27	14.83	56.10	74.00	-17.90	peak	150	120
10580.000	27.47	14.83	42.30	54.00	-11.70	AVG	150	120
15870.000	44.06	17.14	61.20	74.00	-12.80	peak	100	83
15870.000	31.36	17.14	48.50	54.00	-5.50	AVG	100	83

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH58
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



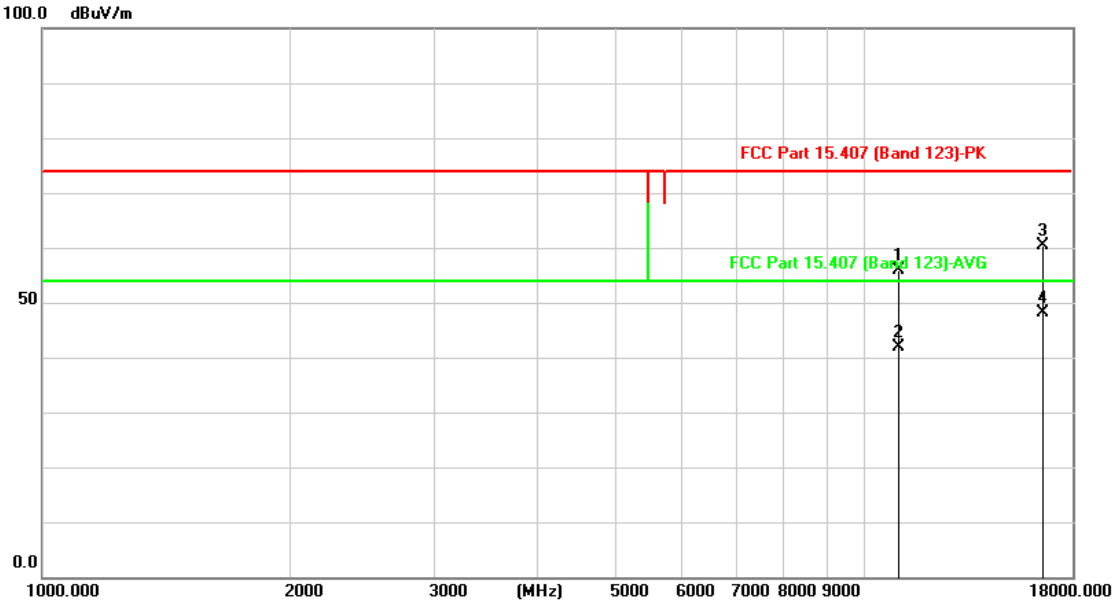
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10580.000	38.39	14.83	53.22	74.00	-20.78	peak	100	94
10580.000	26.67	14.83	41.50	54.00	-12.50	AVG	100	95
15870.000	43.06	17.14	60.20	74.00	-13.80	peak	100	77
15870.000	30.06	17.14	47.20	54.00	-6.80	AVG	100	77

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH106
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



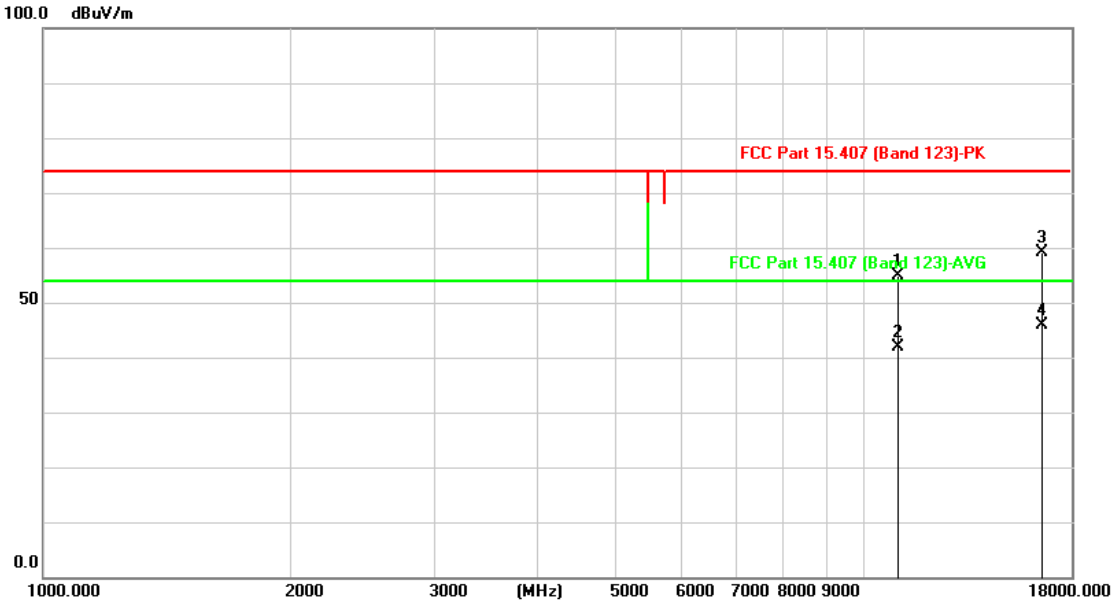
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11060.000	40.28	15.52	55.80	74.00	-18.20	peak	100	110
11060.000	26.28	15.52	41.80	54.00	-12.20	AVG	100	110
16590.000	41.10	19.40	60.50	74.00	-13.50	peak	100	78
16590.000	28.70	19.40	48.10	54.00	-5.90	AVG	100	78

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH106
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



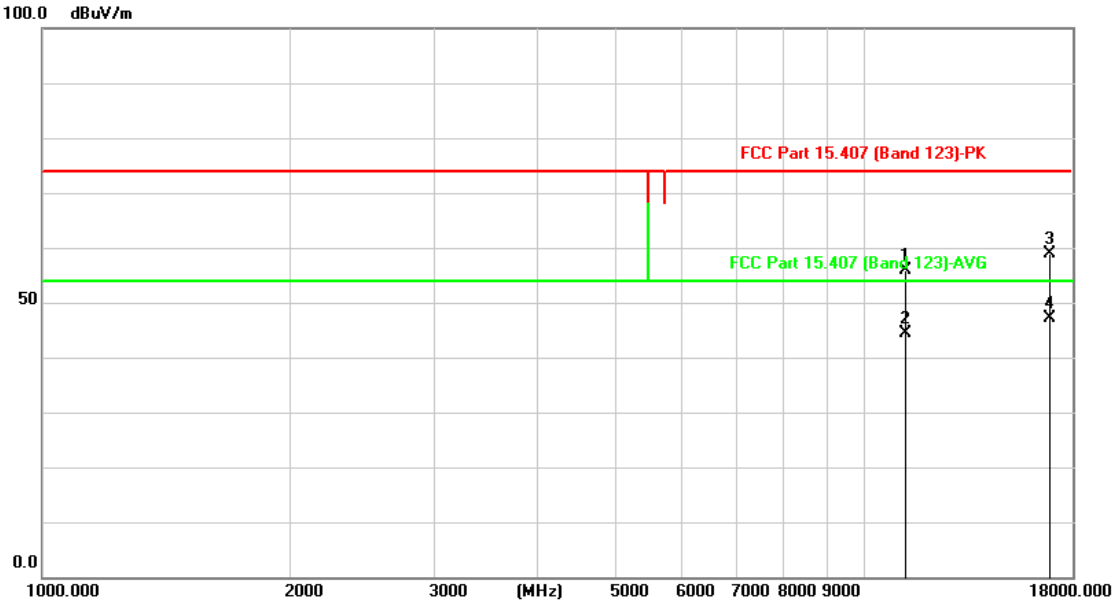
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11060.000	39.28	15.52	54.80	74.00	-19.20	peak	100	96
11060.000	26.25	15.52	41.77	54.00	-12.23	AVG	100	96
16590.000	39.70	19.40	59.10	74.00	-14.90	peak	100	81
16590.000	26.50	19.40	45.90	54.00	-8.10	AVG	100	81

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH122
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



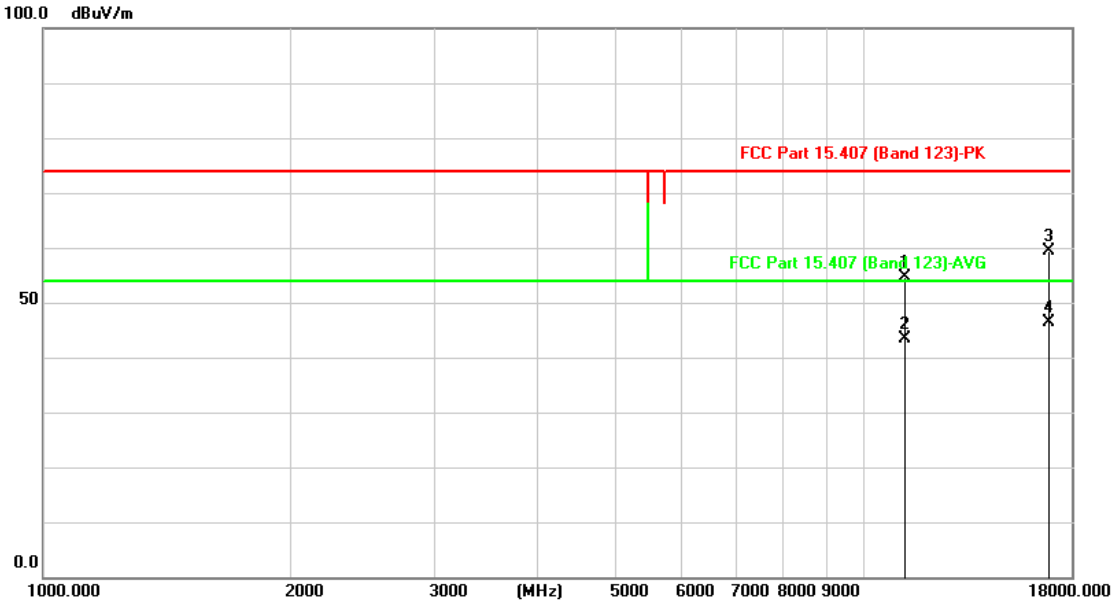
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11220.000	40.44	15.46	55.90	74.00	-18.10	peak	120	93
11220.000	29.04	15.46	44.50	54.00	-9.50	AVG	120	93
16830.000	38.26	20.54	58.80	74.00	-15.20	peak	100	79
16830.000	26.54	20.54	47.08	54.00	-6.92	AVG	100	79

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH122
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



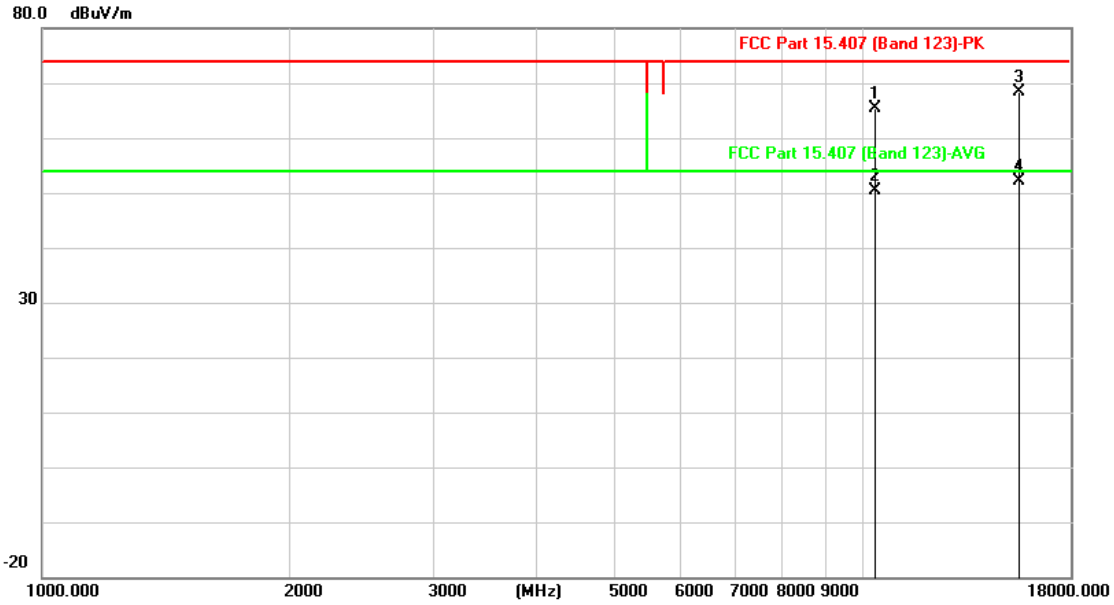
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11220.000	39.14	15.46	54.60	74.00	-19.40	peak	100	102
11220.000	28.03	15.46	43.49	54.00	-10.51	AVG	100	102
16830.000	38.73	20.54	59.27	74.00	-14.73	peak	100	89
16830.000	25.89	20.54	46.43	54.00	-7.57	AVG	100	89

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



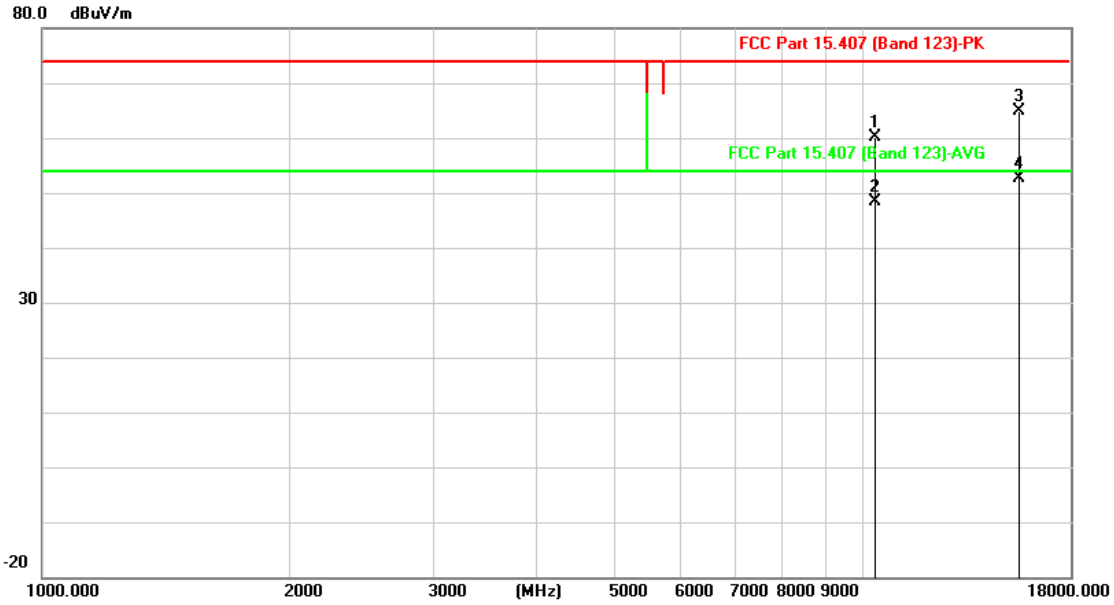
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	50.86	14.44	65.30	74.00	-8.70	peak	100	58
10360.000	35.86	14.44	50.30	54.00	-3.70	AVG	100	58
15540.000	49.99	18.29	68.28	74.00	-5.72	peak	100	85
15540.000	33.88	18.29	52.17	54.00	-1.83	AVG	100	85

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



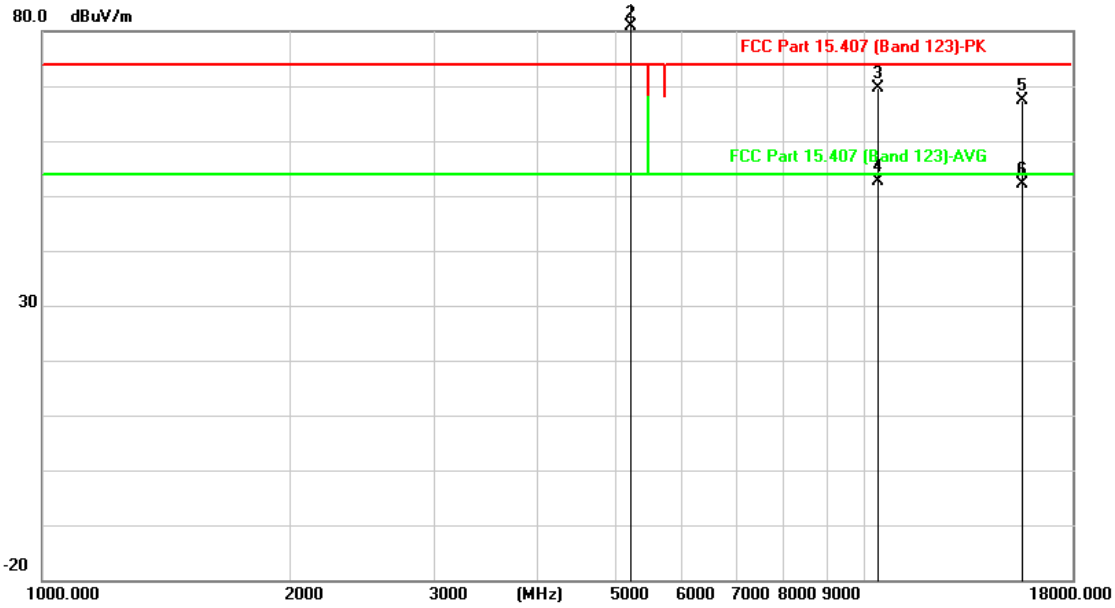
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	45.76	14.44	60.20	74.00	-13.80	peak	100	80
10360.000	34.06	14.44	48.50	54.00	-5.50	AVG	100	80
15540.000	46.52	18.29	64.81	74.00	-9.19	peak	100	88
15540.000	34.40	18.29	52.69	54.00	-1.31	AVG	100	88

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



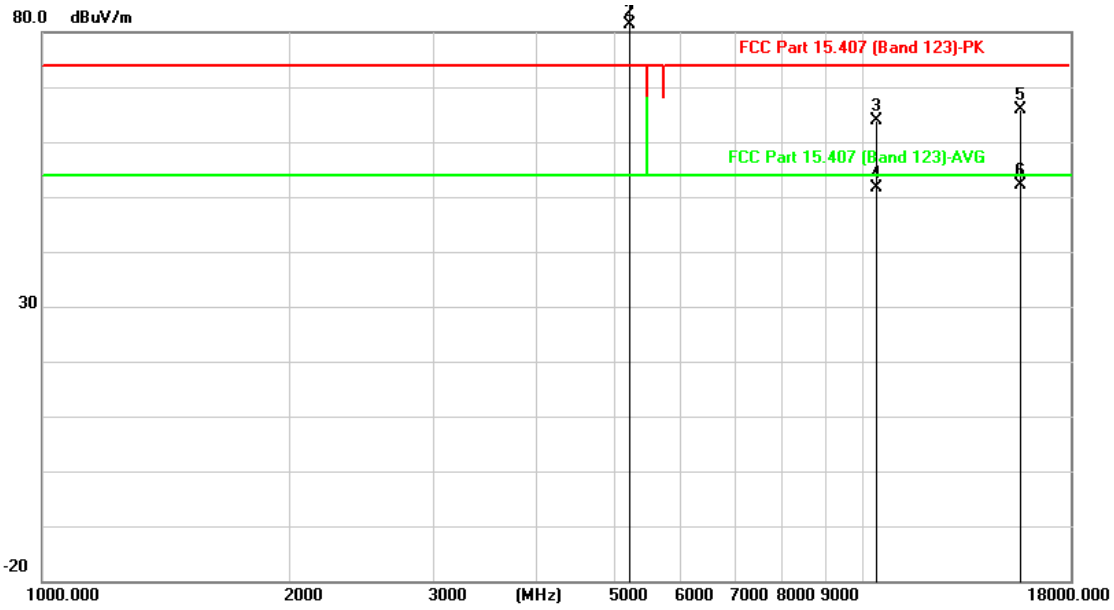
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	99.73	6.77	106.50			peak	100	288
5200.000	74.03	6.77	80.80			AVG	100	288
10400.000	55.14	14.51	69.65	74.00	-4.35	peak	100	56
10400.000	38.01	14.51	52.52	54.00	-1.48	AVG	100	56
15600.000	49.21	18.08	67.29	74.00	-6.71	peak	135	84
15600.000	34.02	18.08	52.10	54.00	-1.90	AVG	135	84

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



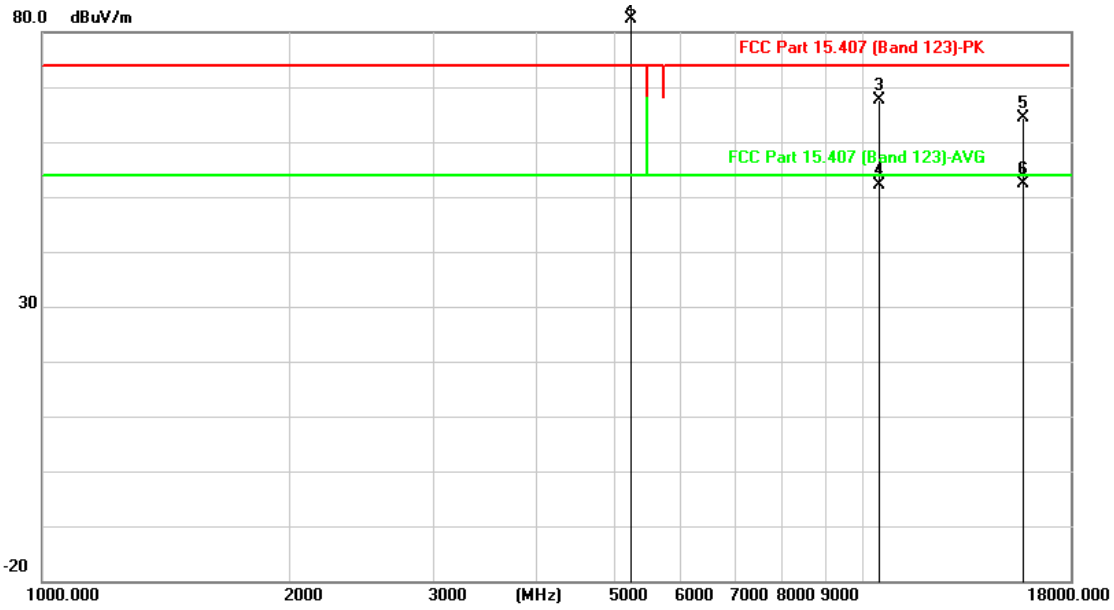
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	101.43	6.77	108.20			peak	150	86
5200.000	74.53	6.77	81.30			AVG	150	86
10400.000	49.30	14.51	63.81	74.00	-10.19	peak	100	64
10400.000	37.06	14.51	51.57	54.00	-2.43	AVG	100	64
15600.000	47.79	18.08	65.87	74.00	-8.13	peak	100	87
15600.000	34.02	18.08	52.10	54.00	-1.90	AVG	100	87

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH48
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



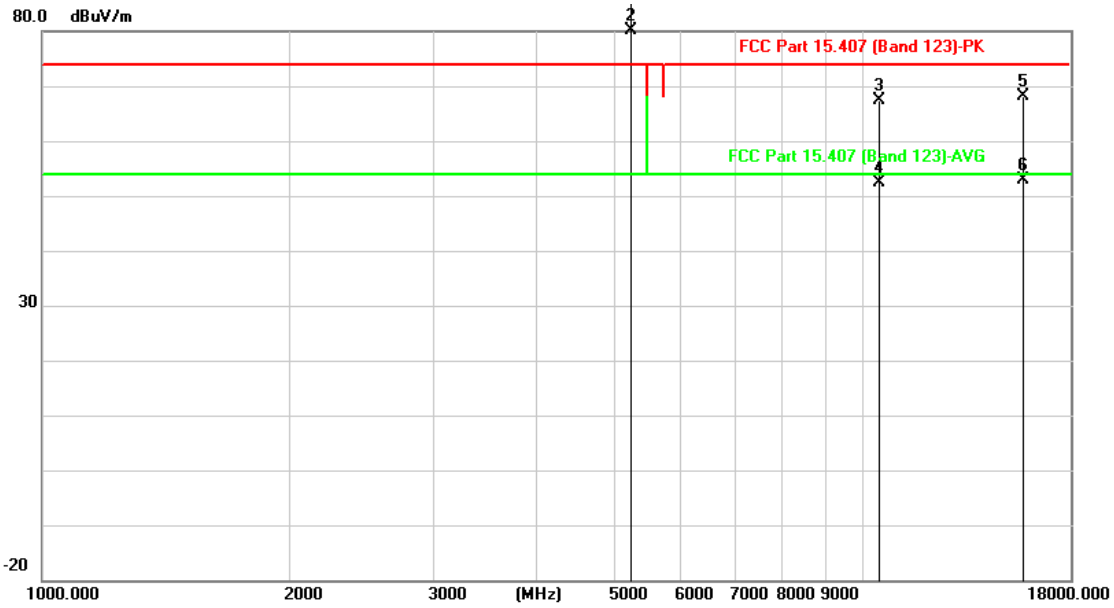
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	102.43	5.67	108.10			peak	150	133
5240.000	76.63	5.67	82.30			AVG	150	133
10480.000	53.04	14.66	67.70	74.00	-6.30	peak	133	90
10480.000	37.44	14.66	52.10	54.00	-1.90	AVG	133	90
15720.000	46.60	17.66	64.26	74.00	-9.74	peak	100	63
15720.000	34.76	17.66	52.42	54.00	-1.58	AVG	100	63

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH48
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



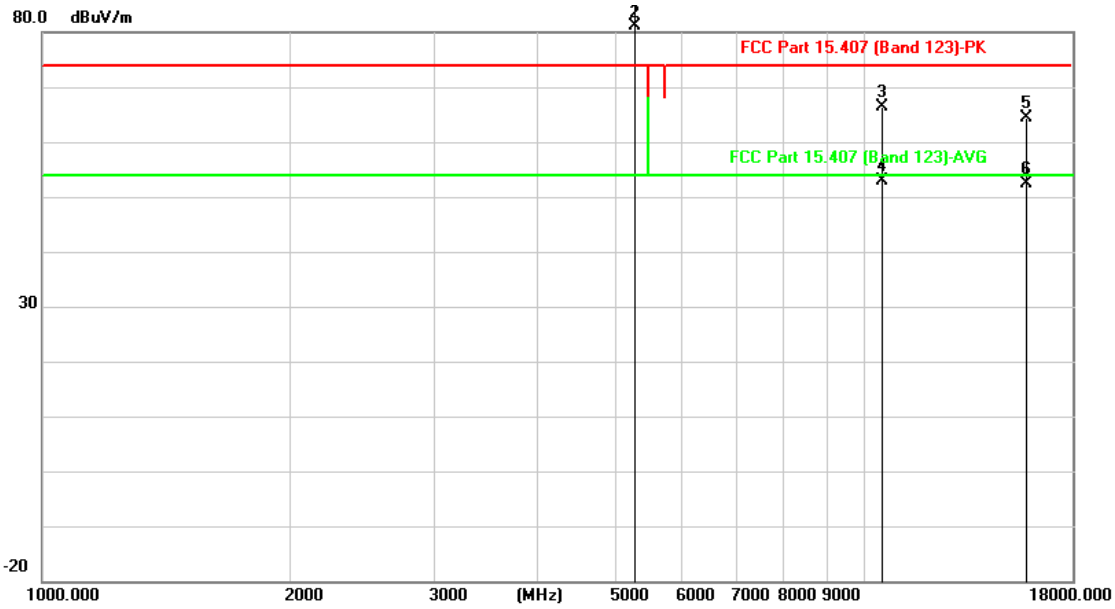
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	101.13	5.67	106.80			peak	100	235
5240.000	74.53	5.67	80.20			AVG	100	235
10480.000	52.84	14.66	67.50	74.00	-6.50	peak	100	88
10480.000	37.64	14.66	52.30	54.00	-1.70	AVG	100	88
15720.000	50.54	17.66	68.20	74.00	-5.80	peak	100	78
15720.000	35.14	17.66	52.80	54.00	-1.20	AVG	100	78

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH52
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



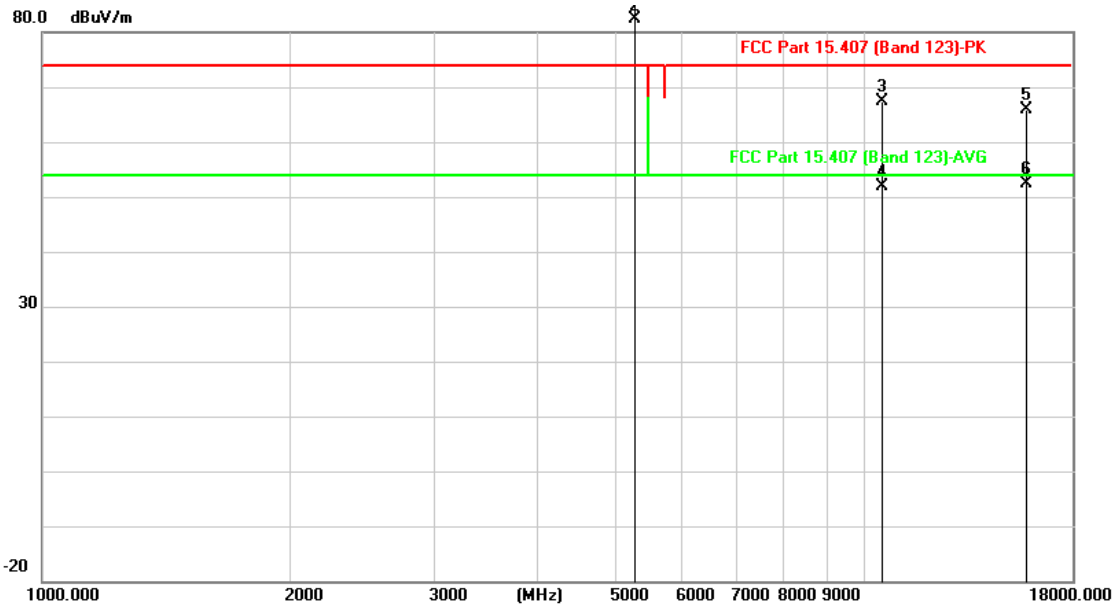
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5260.000	101.87	5.13	107.00			peak	100	125
5260.000	76.07	5.13	81.20			AVG	100	125
10520.000	51.76	14.74	66.50	74.00	-7.50	peak	100	68
10520.000	38.06	14.74	52.80	54.00	-1.20	AVG	100	68
15780.000	46.81	17.45	64.26	74.00	-9.74	peak	100	85
15780.000	34.87	17.45	52.32	54.00	-1.68	AVG	100	85

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH52
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



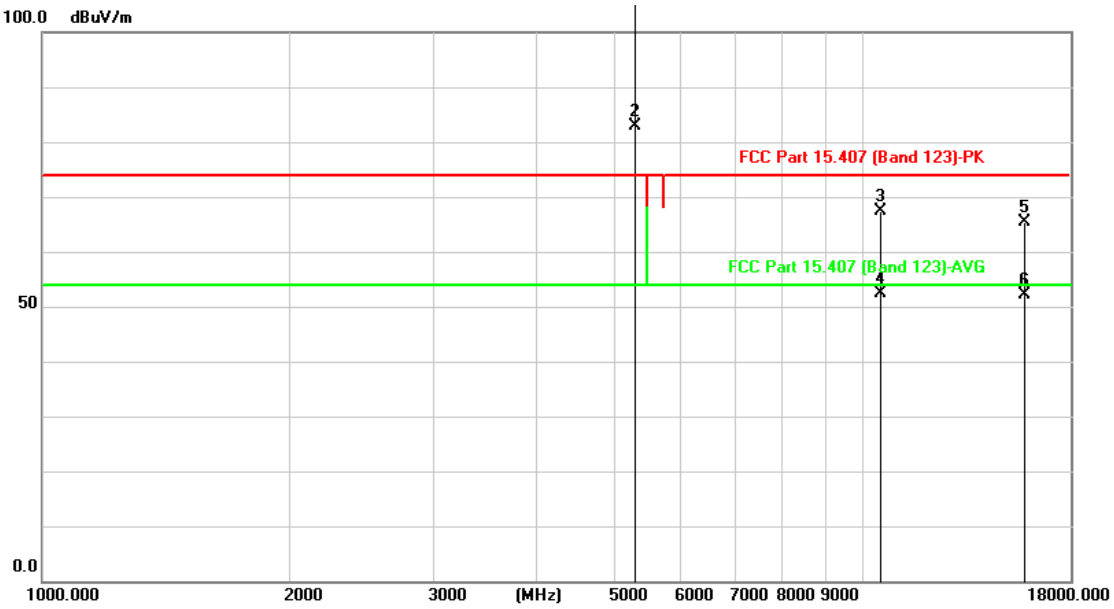
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5260.000	102.97	5.13	108.10			peak	100	125
5260.000	77.17	5.13	82.30			AVG	100	125
10520.000	52.76	14.74	67.50	74.00	-6.50	peak	150	99
10520.000	37.16	14.74	51.90	54.00	-2.10	AVG	150	99
15780.000	48.35	17.45	65.80	74.00	-8.20	peak	100	88
15780.000	34.91	17.45	52.36	54.00	-1.64	AVG	100	88

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH56
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



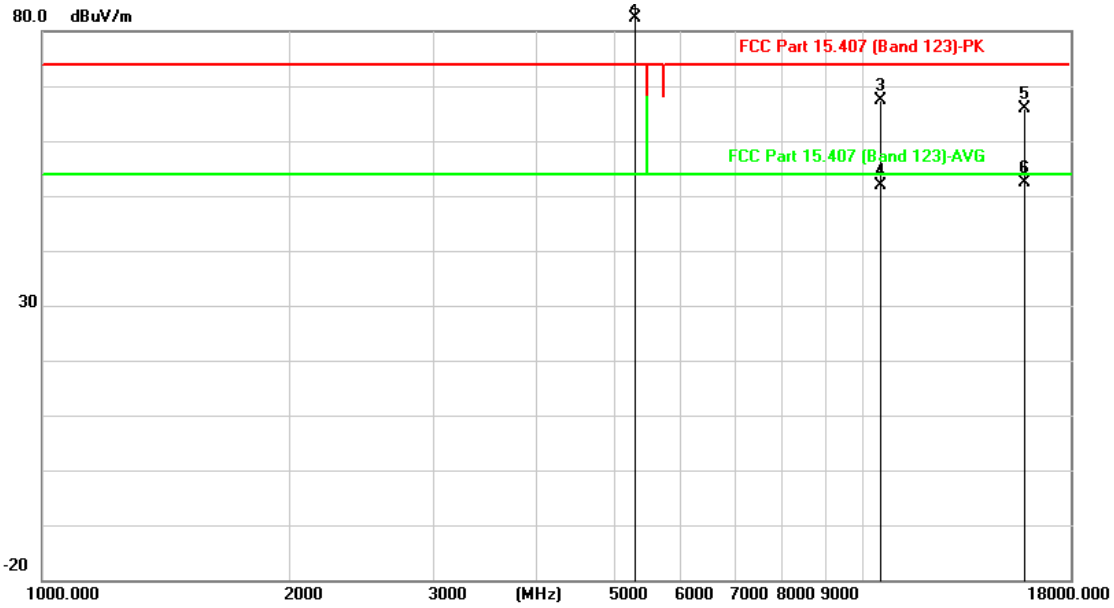
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5280.000	103.92	4.58	108.50			peak	100	233
5280.000	78.32	4.58	82.90			AVG	100	233
10560.000	52.70	14.80	67.50	74.00	-6.50	peak	155	90
10560.000	37.70	14.80	52.50	54.00	-1.50	AVG	155	90
15840.000	48.23	17.24	65.47	74.00	-8.53	peak	100	84
15840.000	34.88	17.24	52.12	54.00	-1.88	AVG	100	84

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH56
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



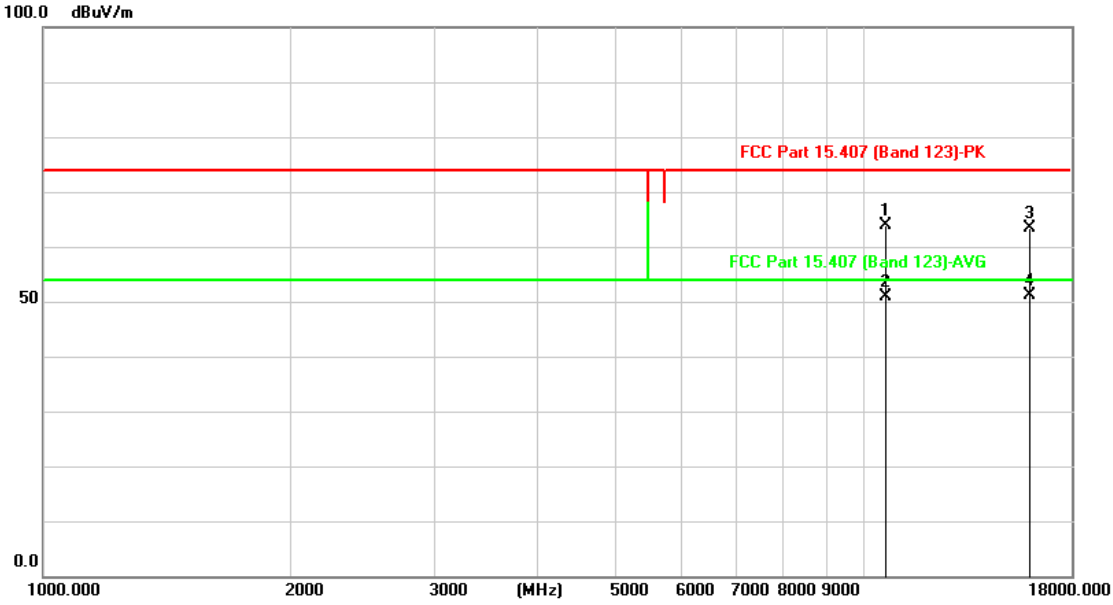
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5280.000	103.52	4.58	108.10			peak	100	125
5280.000	77.72	4.58	82.30			AVG	100	125
10520.000	52.76	14.74	67.50	74.00	-6.50	peak	150	99
10520.000	37.16	14.74	51.90	54.00	-2.10	AVG	150	99
15780.000	48.35	17.45	65.80	74.00	-8.20	peak	100	88
15780.000	34.91	17.45	52.36	54.00	-1.64	AVG	100	88

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



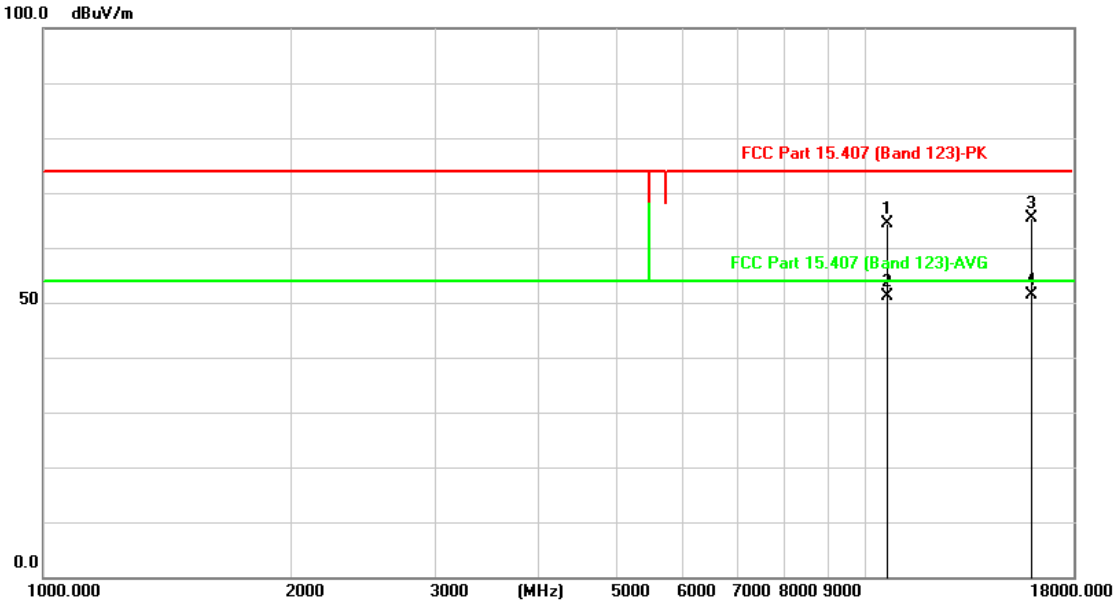
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10640.000	49.06	14.93	63.99	74.00	-10.01	peak	100	70
10640.000	35.87	14.93	50.80	54.00	-3.20	AVG	100	70
15960.000	46.48	16.81	63.29	74.00	-10.71	peak	100	61
15960.000	34.36	16.81	51.17	54.00	-2.83	AVG	100	61

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



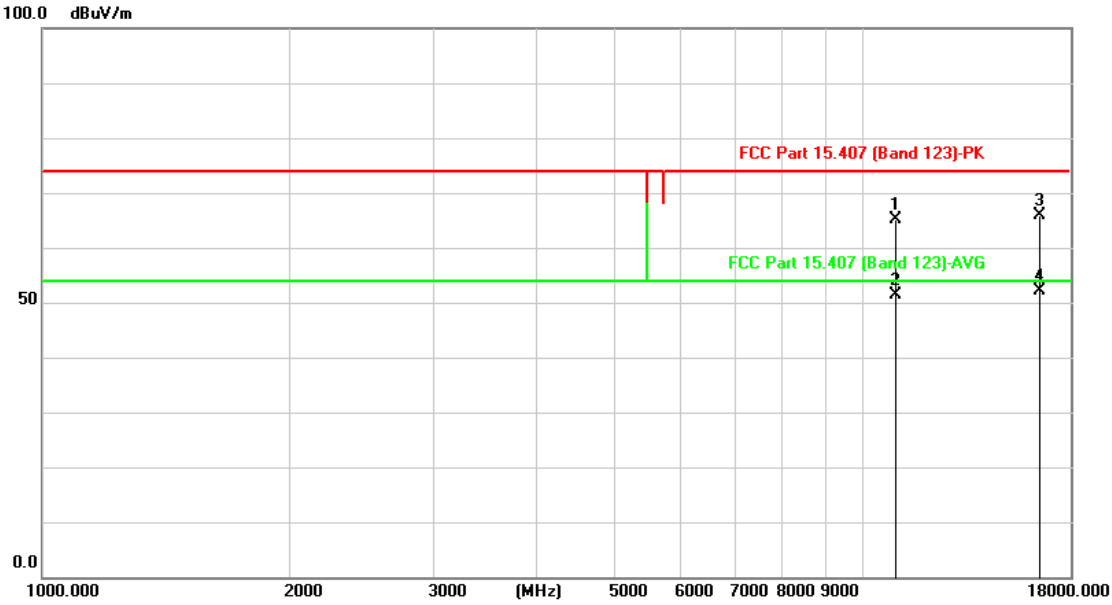
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10640.000	49.57	14.93	64.50	74.00	-9.50	peak	100	70
10640.000	36.27	14.93	51.20	54.00	-2.80	AVG	100	70
15960.000	48.49	16.81	65.30	74.00	-8.70	peak	100	61
15960.000	34.69	16.81	51.50	54.00	-2.50	AVG	100	61

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



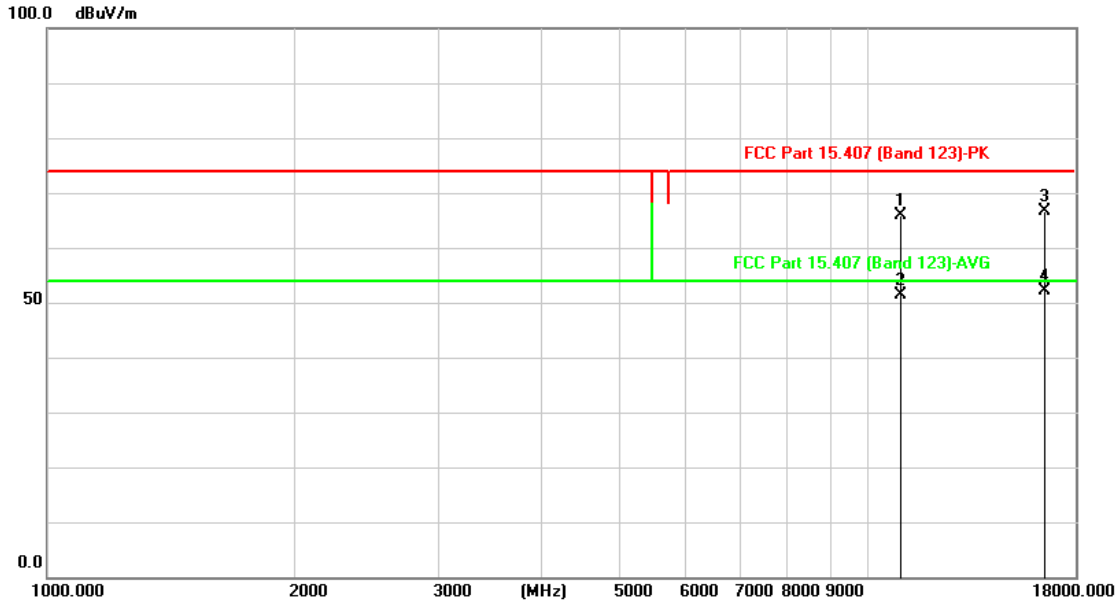
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11000.000	49.56	15.54	65.10	74.00	-8.90	peak	100	80
11000.000	35.96	15.54	51.50	54.00	-2.50	AVG	100	80
16500.000	46.99	18.96	65.95	74.00	-8.05	peak	100	105
16500.000	33.07	18.96	52.03	54.00	-1.97	AVG	100	105

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



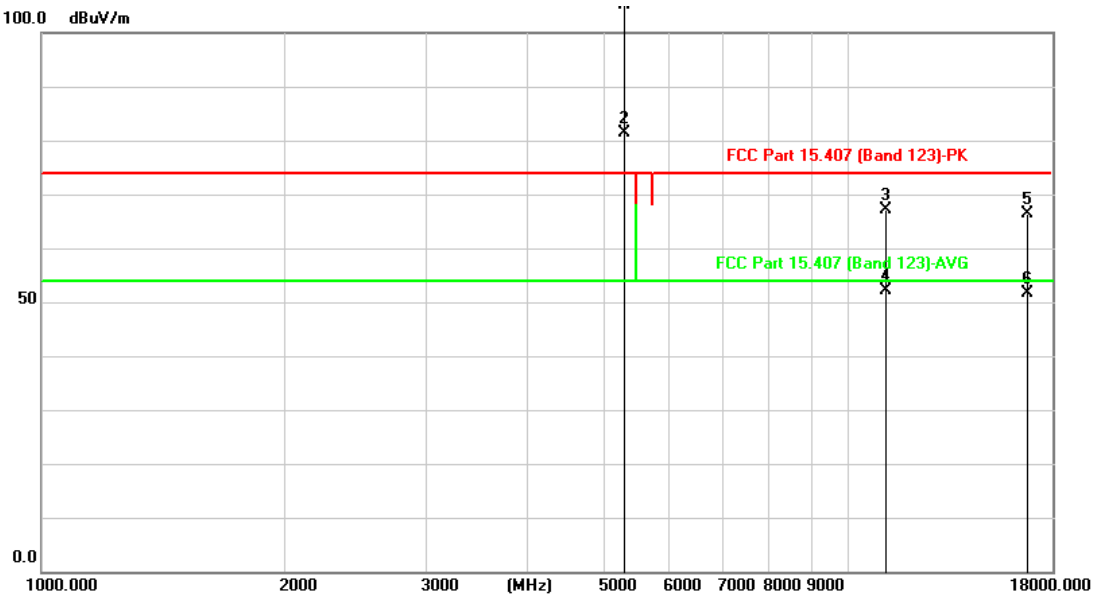
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11000.000	50.26	15.54	65.80	74.00	-8.20	peak	150	85
11000.000	35.76	15.54	51.30	54.00	-2.70	AVG	150	85
16500.000	47.74	18.96	66.70	74.00	-7.30	peak	100	77
16500.000	33.14	18.96	52.10	54.00	-1.90	AVG	100	77

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH116
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



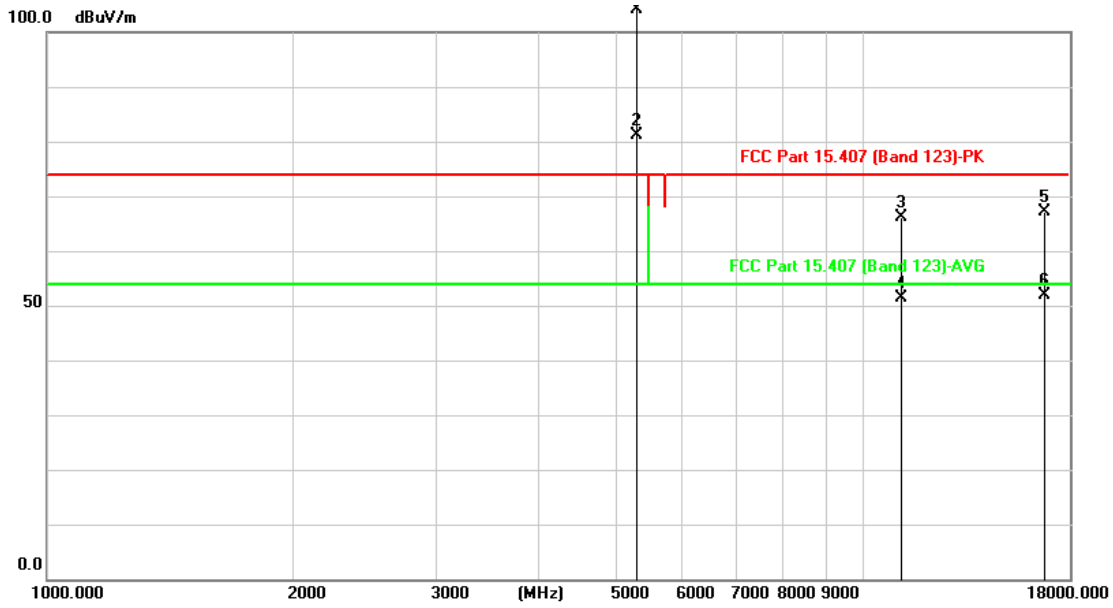
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5280.000	100.72	4.58	105.30			peak	100	255
5280.000	76.72	4.58	81.30			AVG	100	255
11160.000	51.62	15.48	67.10	74.00	-6.90	peak	100	95
11160.000	36.62	15.48	52.10	54.00	-1.90	AVG	100	95
16740.000	46.20	20.10	66.30	74.00	-7.70	peak	100	66
16740.000	31.60	20.10	51.70	54.00	-2.30	AVG	100	66

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH116
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



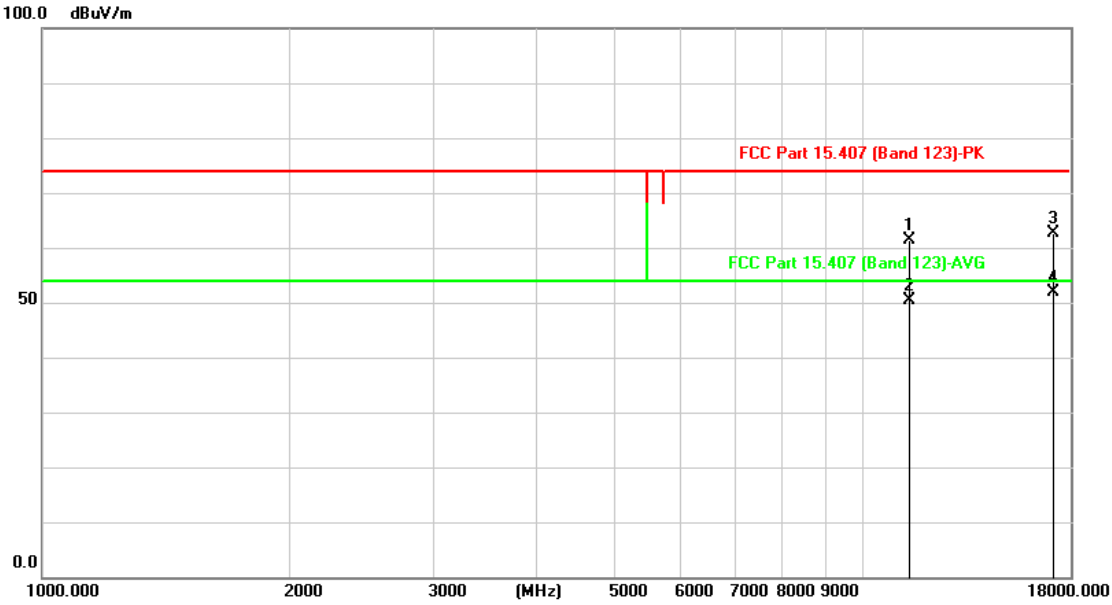
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5280.000	99.72	4.58	104.30			peak	100	255
5280.000	76.52	4.58	81.10			AVG	100	255
11160.000	50.72	15.48	66.20	74.00	-7.80	peak	200	85
11160.000	35.82	15.48	51.30	54.00	-2.70	AVG	200	85
16740.000	47.10	20.10	67.20	74.00	-6.80	peak	100	120
16740.000	31.85	20.10	51.95	54.00	-2.05	AVG	100	120

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



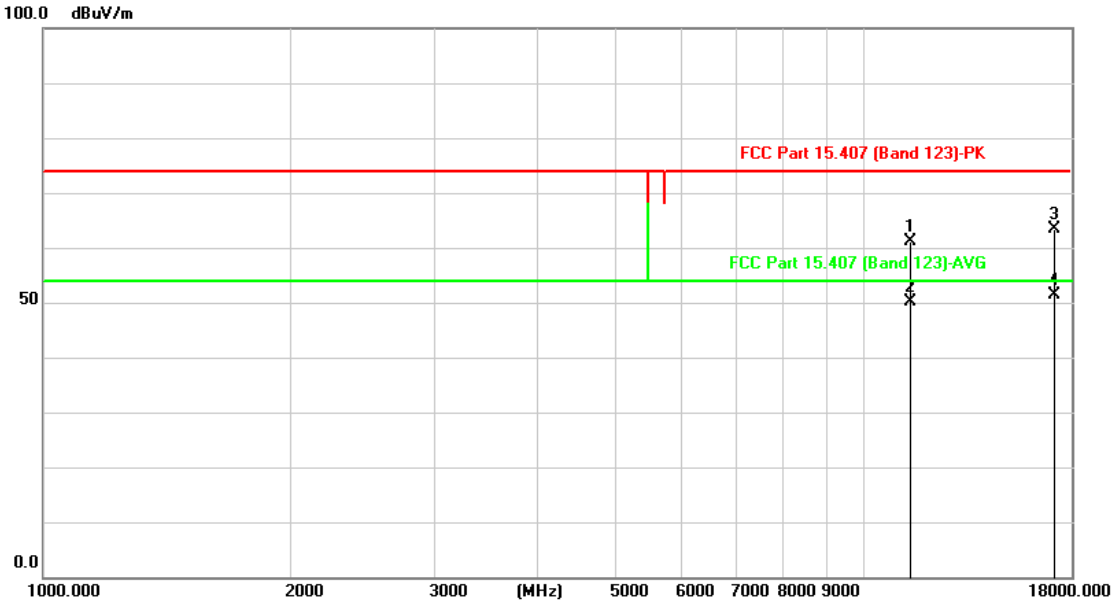
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11400.000	46.13	15.37	61.50	74.00	-12.50	peak	100	130
11400.000	35.13	15.37	50.50	54.00	-3.50	AVG	100	130
17100.000	40.49	22.07	62.56	74.00	-11.44	peak	100	93
17100.000	29.73	22.07	51.80	54.00	-2.20	AVG	100	93

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



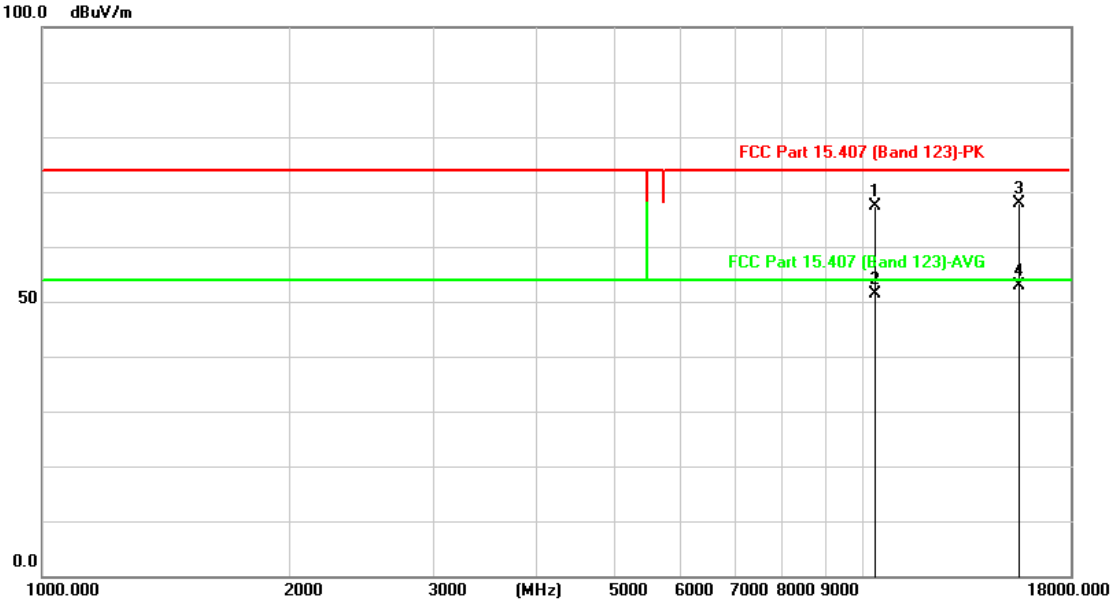
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11400.000	45.83	15.37	61.20	74.00	-12.80	peak	100	112
11400.000	34.73	15.37	50.10	54.00	-3.90	AVG	100	112
17100.000	41.43	22.07	63.50	74.00	-10.50	peak	150	68
17100.000	29.43	22.07	51.50	54.00	-2.50	AVG	150	68

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



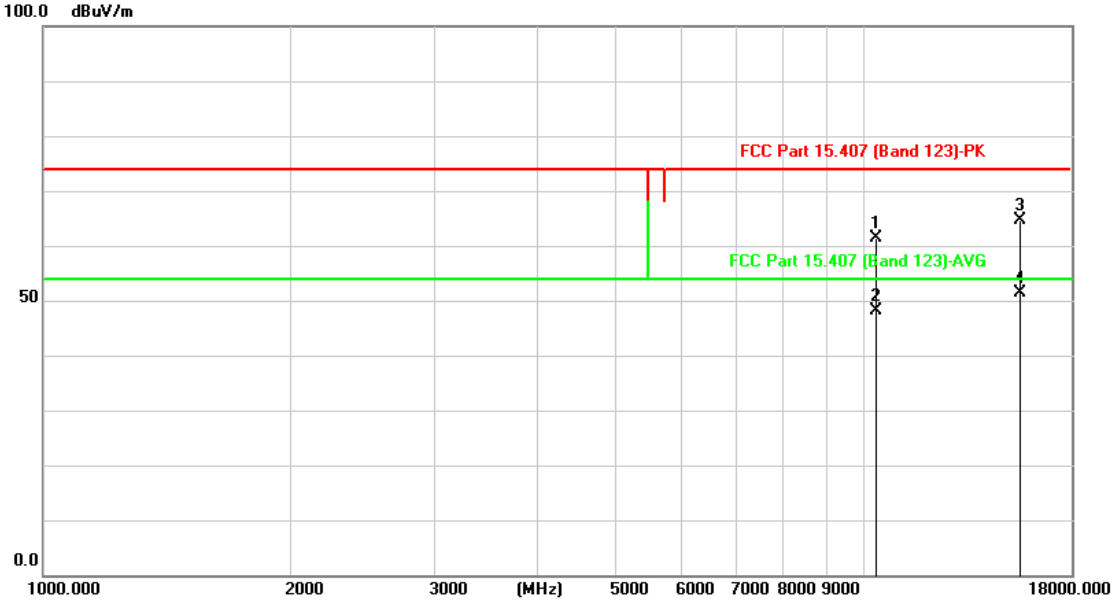
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10380.000	52.82	14.47	67.29	74.00	-6.71	peak	100	59
10380.000	36.91	14.47	51.38	54.00	-2.62	AVG	100	59
15570.000	49.78	18.19	67.97	74.00	-6.03	peak	130	85
15570.000	34.78	18.19	52.97	54.00	-1.03	AVG	130	85

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



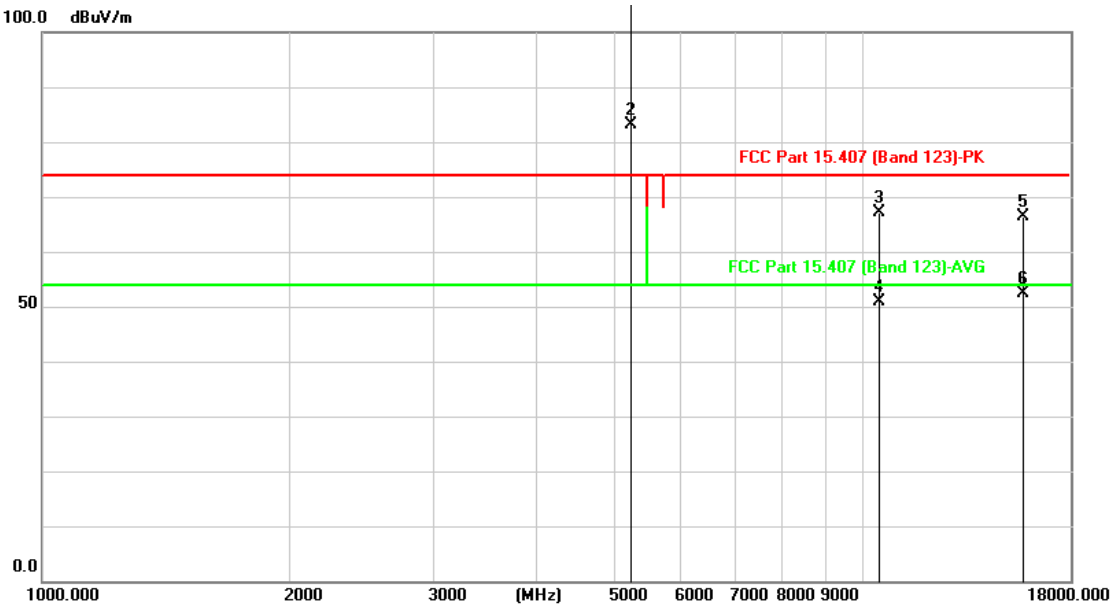
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10380.000	47.02	14.47	61.49	74.00	-12.51	peak	100	64
10380.000	33.65	14.47	48.12	54.00	-5.88	AVG	100	64
15570.000	46.42	18.19	64.61	74.00	-9.39	peak	130	65
15570.000	33.10	18.19	51.29	54.00	-2.71	AVG	130	65

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH46
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



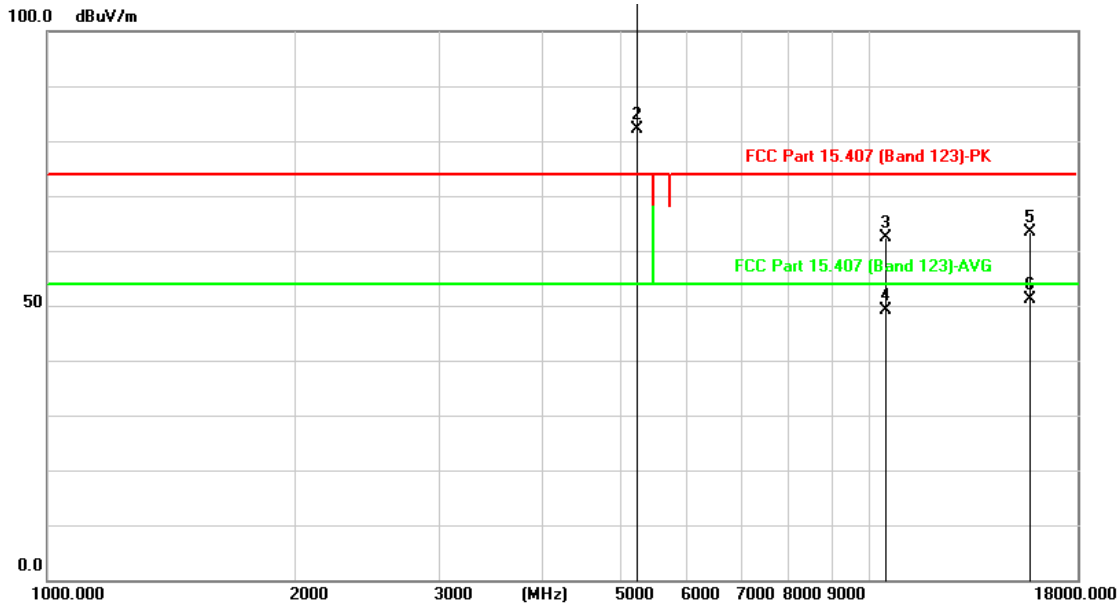
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5230.000	101.55	5.95	107.50			peak	100	210
5230.000	77.25	5.95	83.20			AVG	100	210
10460.000	52.48	14.62	67.10	74.00	-6.90	peak	100	130
10460.000	36.28	14.62	50.90	54.00	-3.10	AVG	100	130
15690.000	48.74	17.76	66.50	74.00	-7.50	peak	100	88
15690.000	34.54	17.76	52.30	54.00	-1.70	AVG	100	88

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH46
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



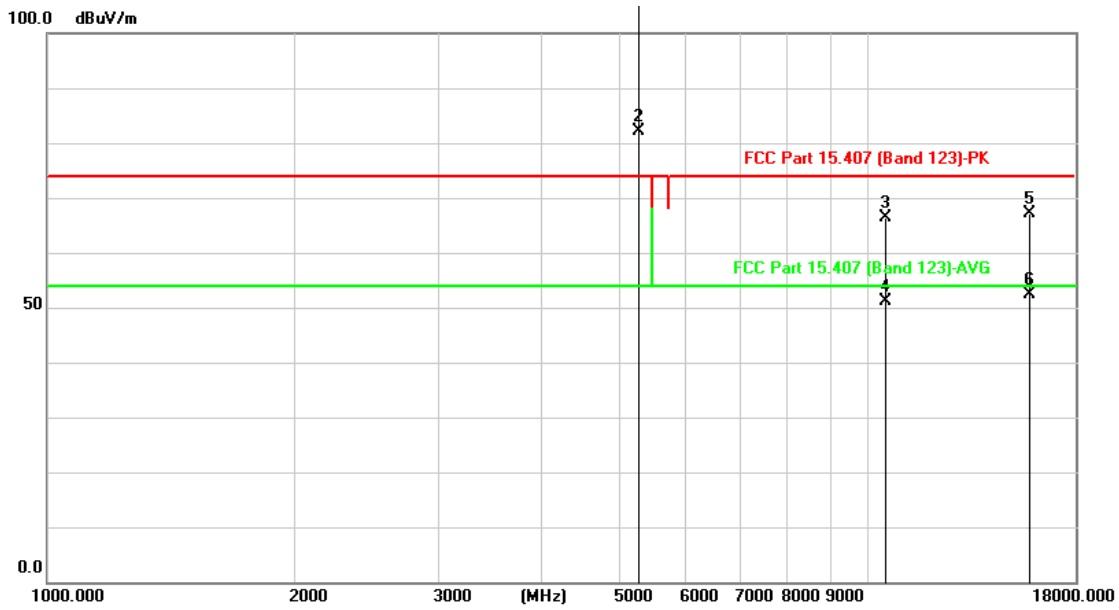
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5230.000	100.26	5.95	106.21			peak	100	55
5230.000	76.15	5.95	82.10			AVG	100	55
10460.000	47.88	14.62	62.50	74.00	-11.50	peak	100	82
10460.000	34.58	14.62	49.20	54.00	-4.80	AVG	100	82
15690.000	45.74	17.76	63.50	74.00	-10.50	peak	130	70
15690.000	33.34	17.76	51.10	54.00	-2.90	AVG	130	70

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH54
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



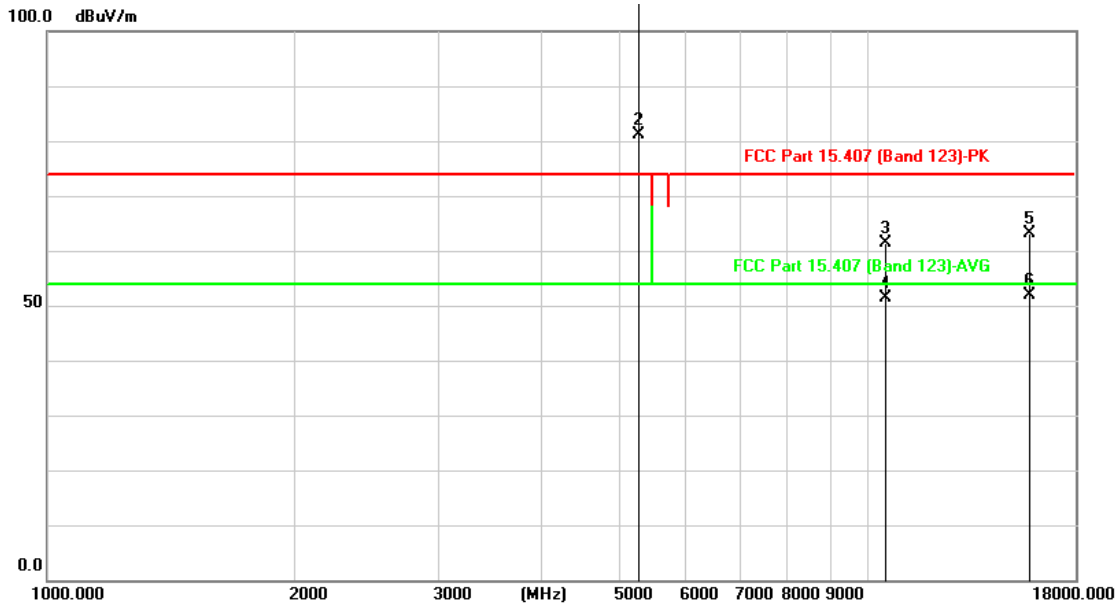
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5270.000	102.65	4.85	107.50			peak	210	155
5270.000	77.25	4.85	82.10			AVG	210	155
10540.000	51.73	14.77	66.50	74.00	-7.50	peak	100	66
10540.000	36.33	14.77	51.10	54.00	-2.90	AVG	100	66
15810.000	49.86	17.34	67.20	74.00	-6.80	peak	100	72
15810.000	35.06	17.34	52.40	54.00	-1.60	AVG	100	72

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH54
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



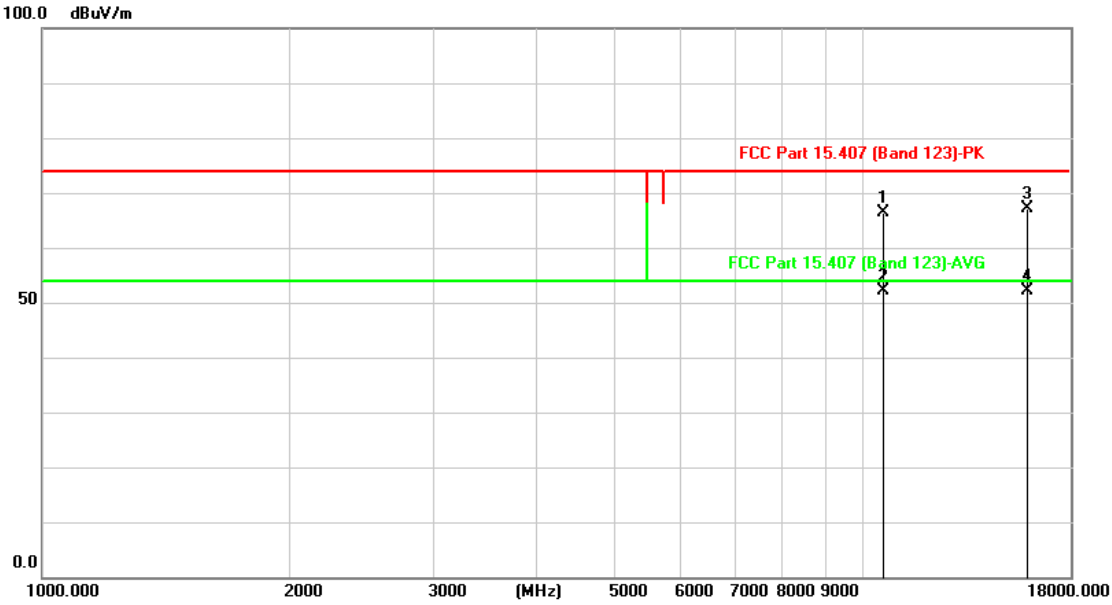
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5270.000	101.25	4.85	106.10			peak	100	87
5270.000	76.35	4.85	81.20			AVG	100	87
10540.000	46.73	14.77	61.50	74.00	-12.50	peak	100	66
10540.000	36.73	14.77	51.50	54.00	-2.50	AVG	100	66
15810.000	45.86	17.34	63.20	74.00	-10.80	peak	100	72
15810.000	34.56	17.34	51.90	54.00	-2.10	AVG	100	72

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH62
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



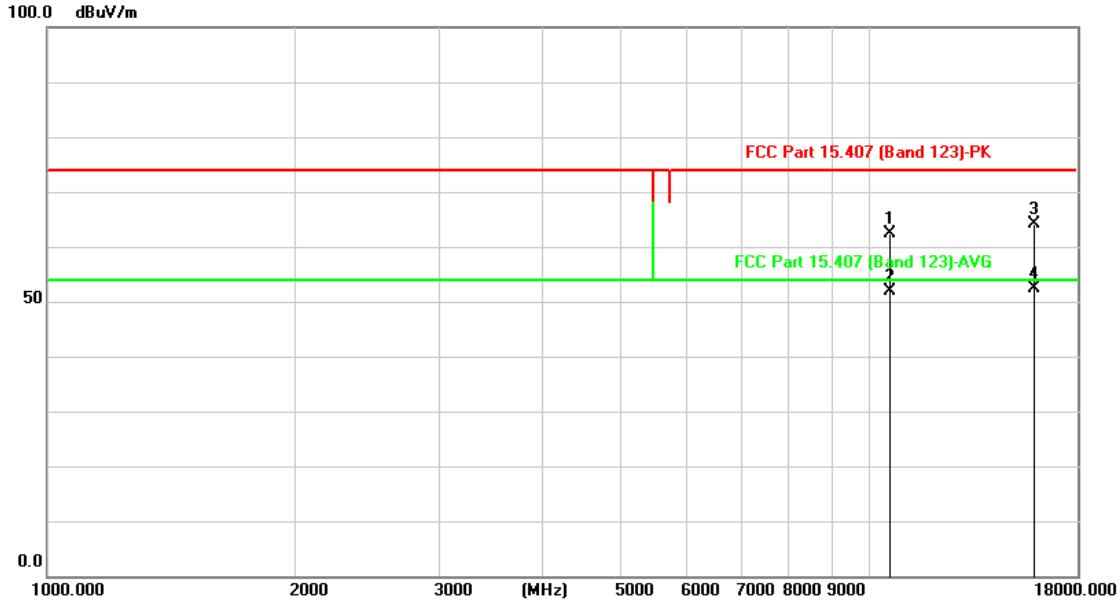
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10620.000	51.60	14.90	66.50	74.00	-7.50	peak	200	59
10620.000	37.30	14.90	52.20	54.00	-1.80	AVG	200	59
15930.000	50.28	16.92	67.20	74.00	-6.80	peak	100	105
15930.000	35.18	16.92	52.10	54.00	-1.90	AVG	100	105

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH62
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



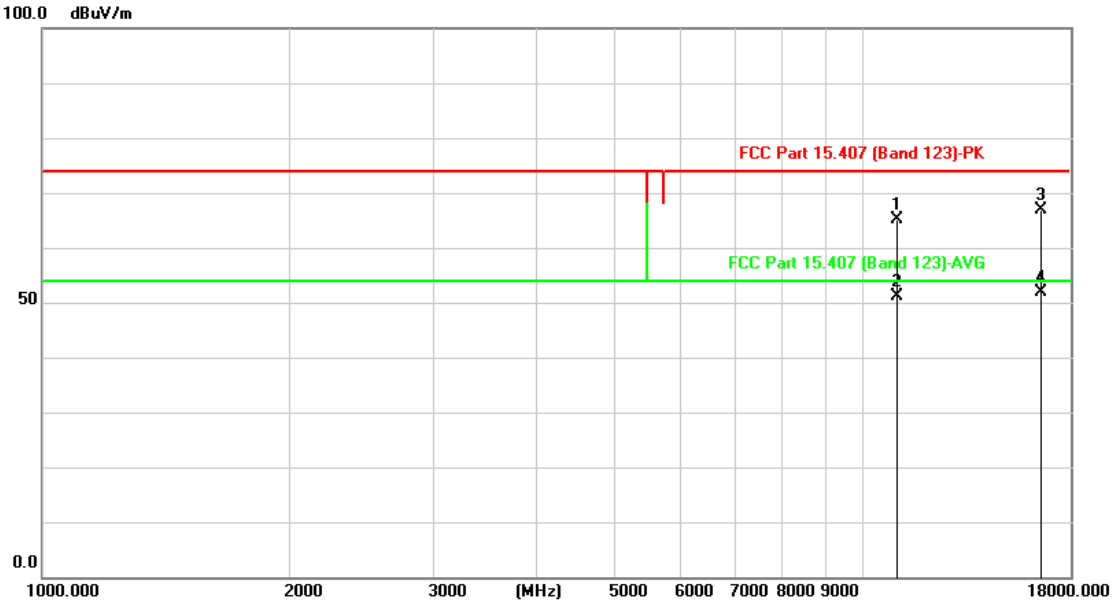
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10620.000	47.60	14.90	62.50	74.00	-11.50	peak	200	59
10620.000	36.90	14.90	51.80	54.00	-2.20	AVG	200	59
15930.000	47.28	16.92	64.20	74.00	-9.80	peak	100	105
15930.000	35.38	16.92	52.30	54.00	-1.70	AVG	100	105

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH102
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



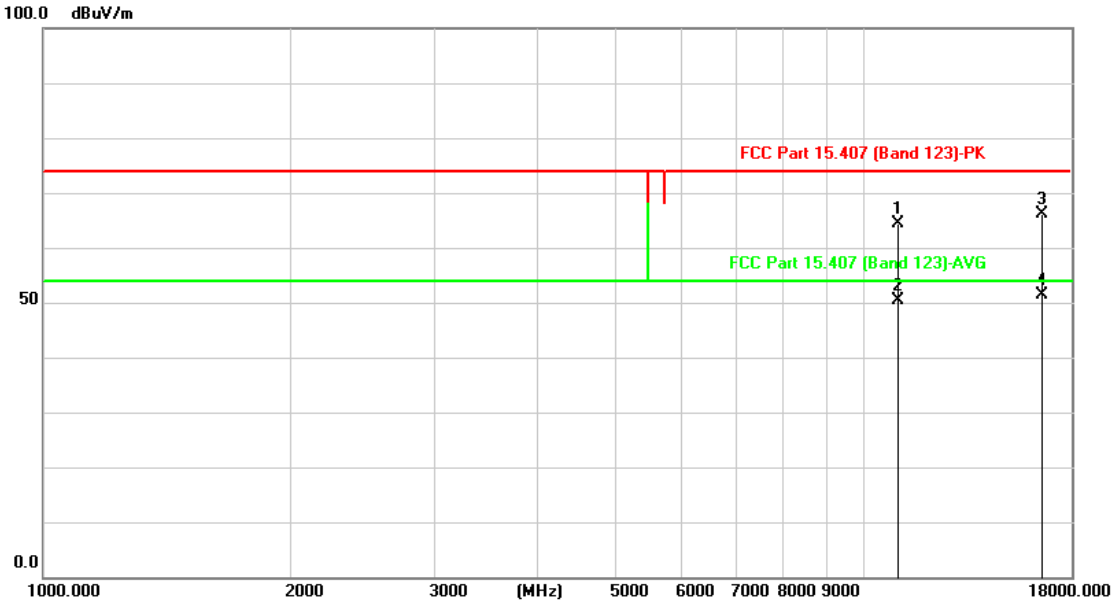
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11020.000	49.65	15.55	65.20	74.00	-8.80	peak	100	74
11020.000	35.55	15.55	51.10	54.00	-2.90	AVG	100	74
16530.000	47.70	19.10	66.80	74.00	-7.20	peak	100	98
16530.000	32.70	19.10	51.80	54.00	-2.20	AVG	100	98

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH102
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



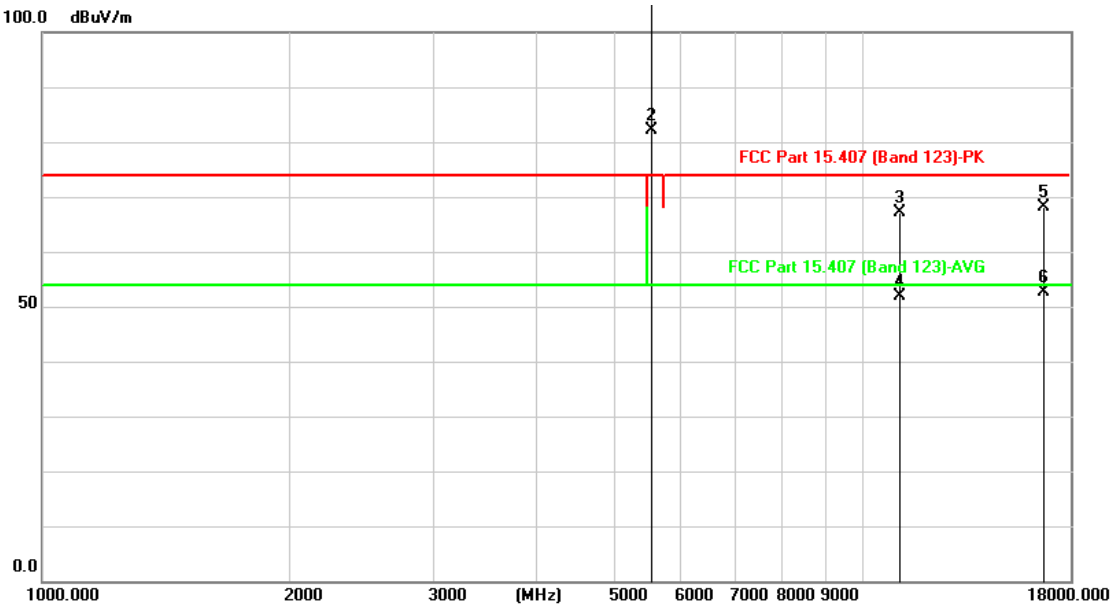
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11020.000	48.75	15.55	64.30	74.00	-9.70	peak	100	68
11020.000	34.95	15.55	50.50	54.00	-3.50	AVG	100	68
16530.000	47.00	19.10	66.10	74.00	-7.90	peak	100	88
16530.000	32.40	19.10	51.50	54.00	-2.50	AVG	100	88

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH118
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



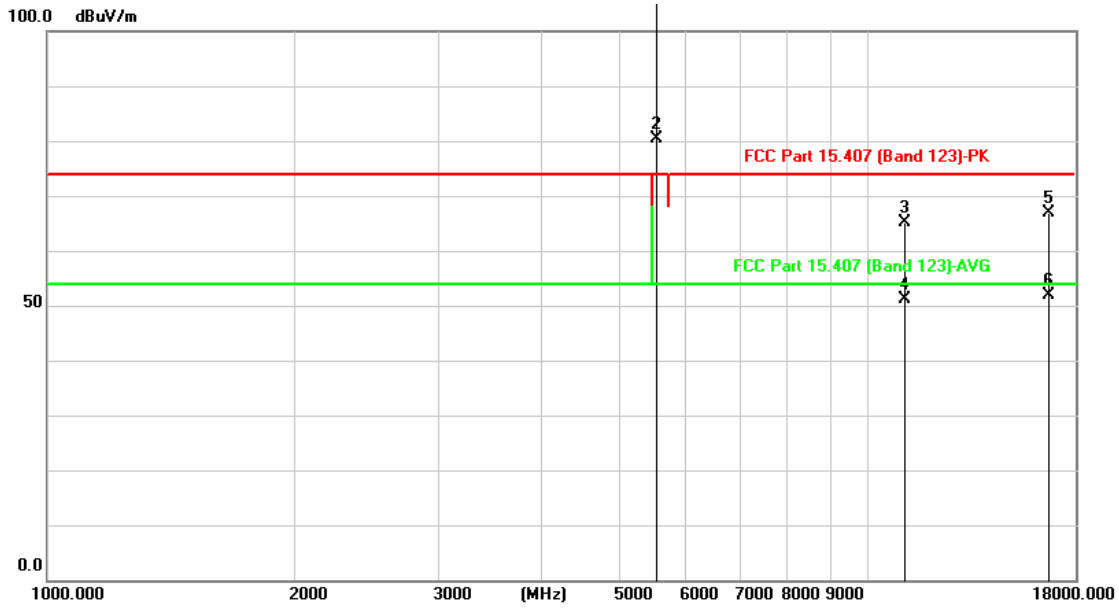
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5550.000	103.78	4.55	108.33			peak	200	155
5550.000	77.55	4.55	82.10			AVG	200	155
11100.000	51.70	15.50	67.20	74.00	-6.80	peak	100	78
11100.000	36.30	15.50	51.80	54.00	-2.20	AVG	100	78
16650.000	48.52	19.68	68.20	74.00	-5.80	peak	100	88
16650.000	32.92	19.68	52.60	54.00	-1.40	AVG	100	88

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH118
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



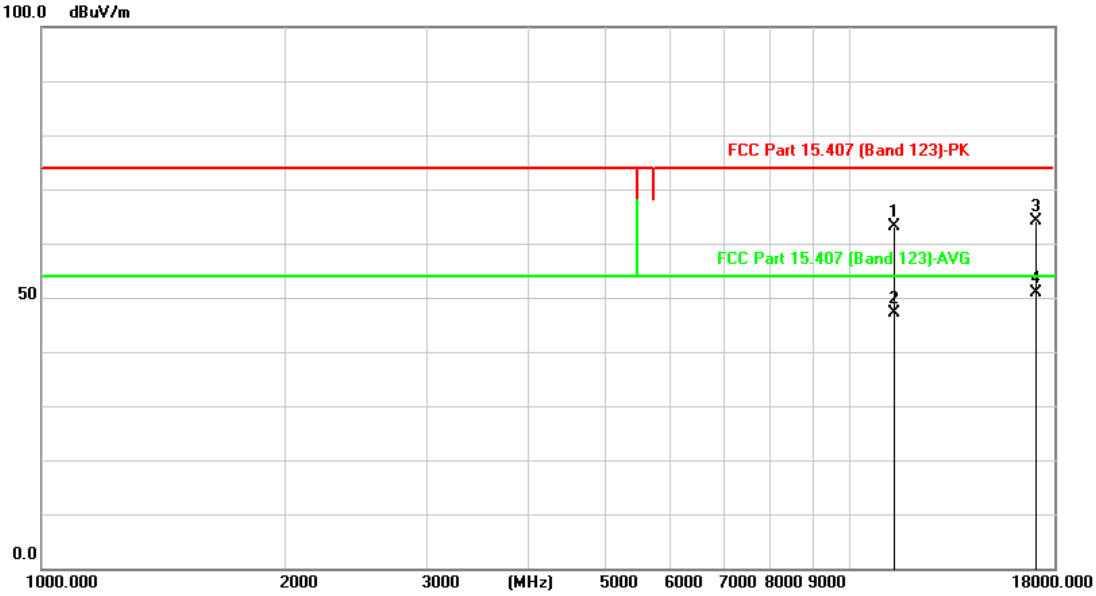
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5550.000	101.95	4.55	106.50			peak	100	188
5550.000	75.75	4.55	80.30			AVG	100	188
11100.000	49.70	15.50	65.20	74.00	-8.80	peak	132	75
11100.000	35.70	15.50	51.20	54.00	-2.80	AVG	132	75
16650.000	47.12	19.68	66.80	74.00	-7.20	peak	100	130
16650.000	32.22	19.68	51.90	54.00	-2.10	AVG	100	130

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH134
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



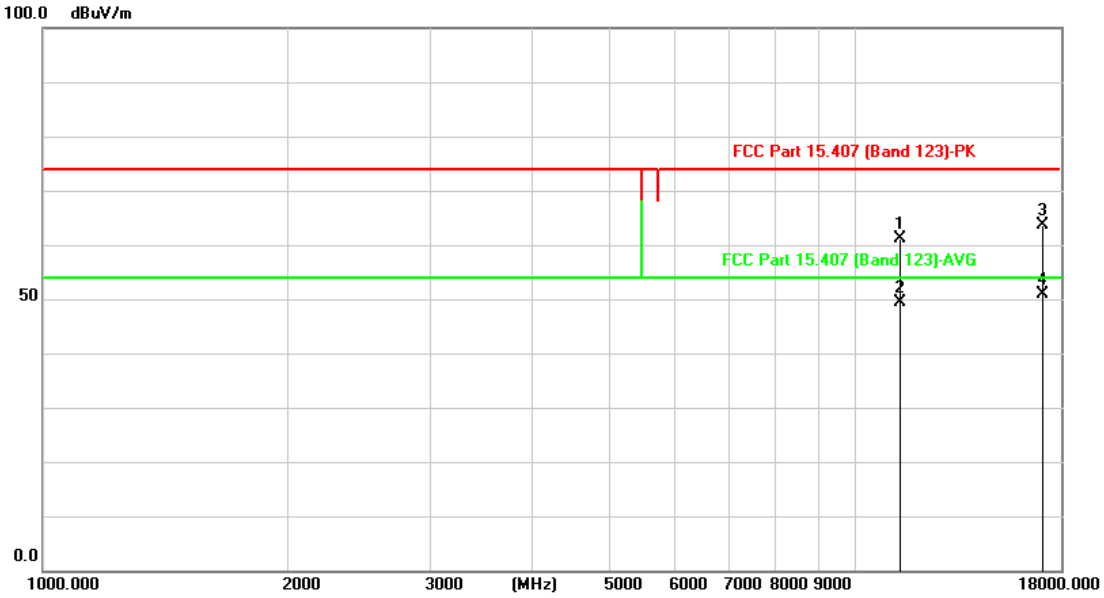
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11340.000	47.81	15.39	63.20	74.00	-10.80	peak	100	85
11340.000	31.81	15.39	47.20	54.00	-6.80	AVG	100	85
17010.000	42.78	21.41	64.19	74.00	-9.81	peak	100	114
17010.000	29.53	21.41	50.94	54.00	-3.06	AVG	100	114

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH134
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

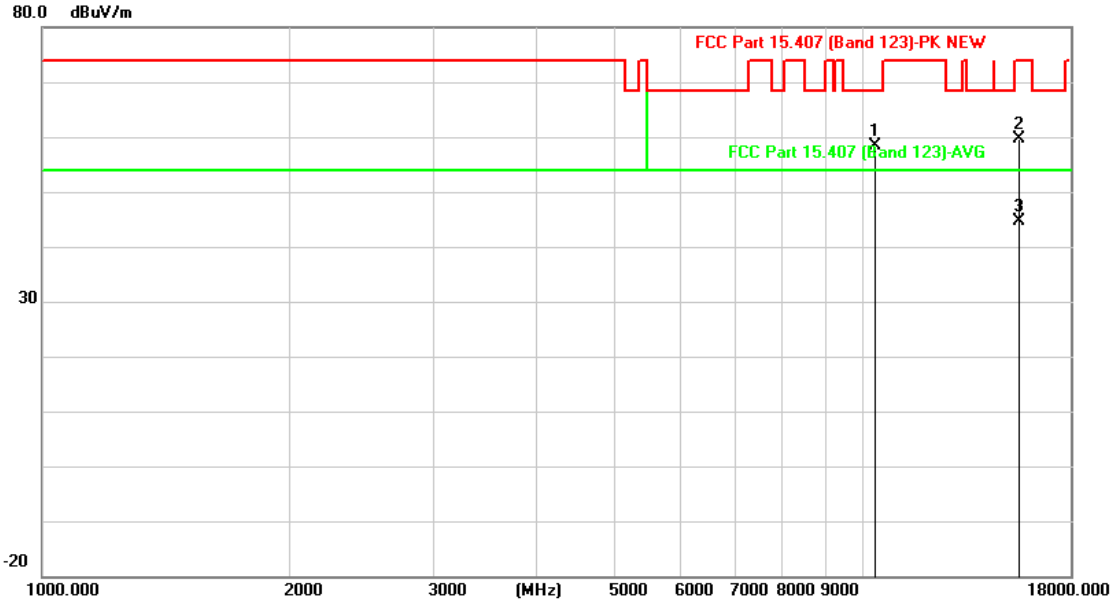
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
11340.000	45.81	15.39	61.20	74.00	-12.80	peak	100	55
11340.000	34.11	15.39	49.50	54.00	-4.50	AVG	100	55
17010.000	42.18	21.41	63.59	74.00	-10.41	peak	100	90
17010.000	29.59	21.41	51.00	54.00	-3.00	AVG	100	90

Wi-Fi Module 2 (model: 8812CU):

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



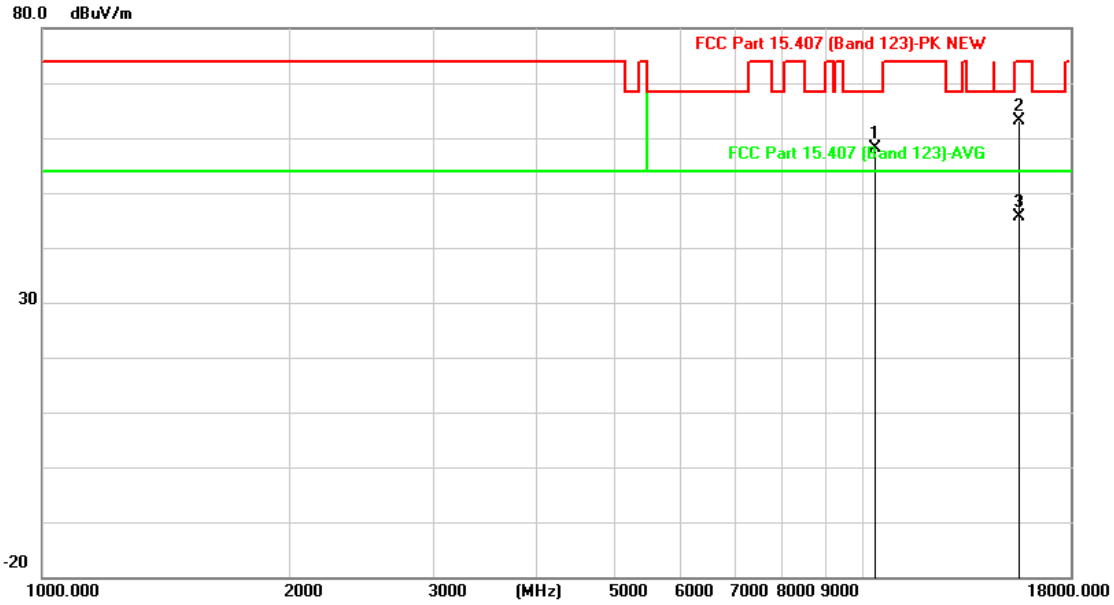
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	43.82	14.51	58.33	68.30	-9.97	peak	100	235
15540.000	41.11	18.62	59.73	74.00	-14.27	peak	150	183
15540.000	26.08	18.62	44.70	54.00	-9.30	AVG	150	183

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



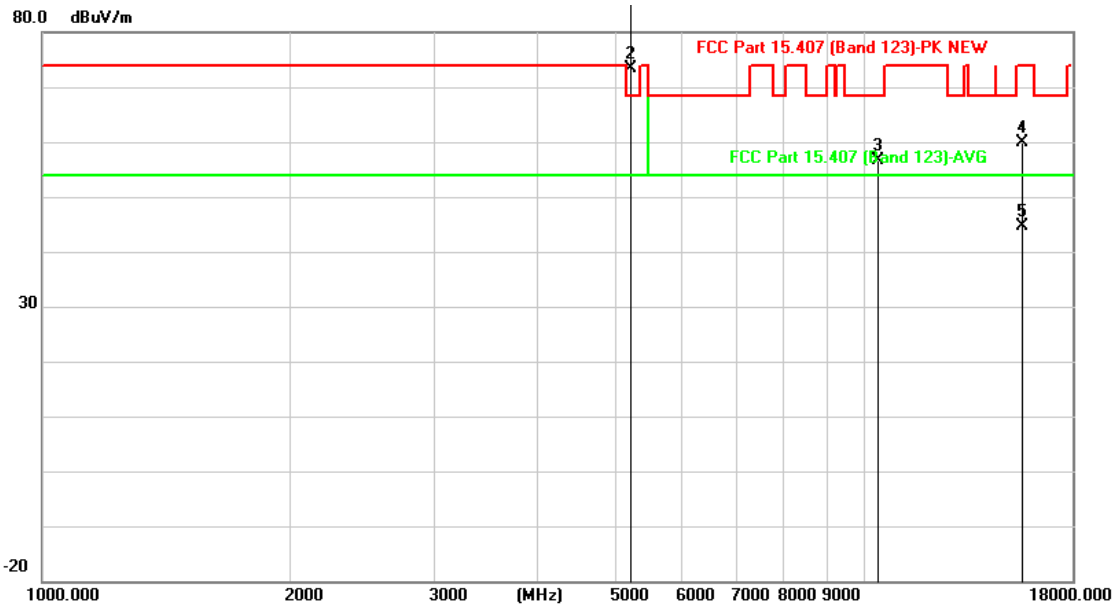
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	43.65	14.51	58.16	68.30	-10.14	peak	100	156
15540.000	44.58	18.62	63.20	74.00	-10.80	peak	200	255
15540.000	26.98	18.62	45.60	54.00	-8.40	AVG	200	255

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



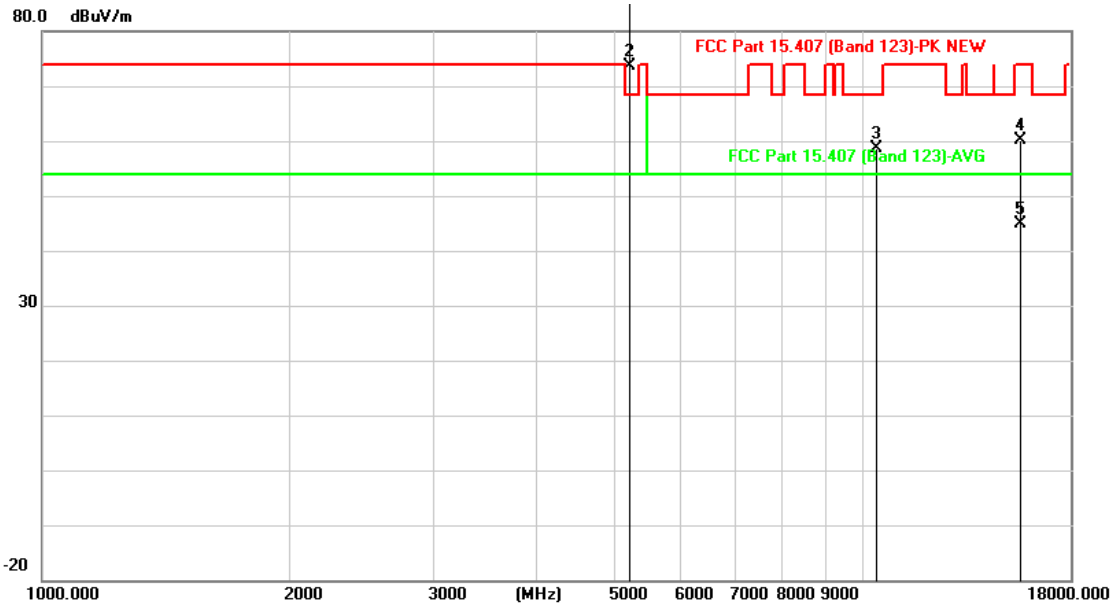
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	100.61	5.59	106.20			peak	150	185
5200.000	67.91	5.59	73.50			AVG	150	185
10400.000	42.15	14.58	56.73	68.30	-11.57	peak	150	236
15600.000	41.42	18.50	59.92	74.00	-14.08	peak	200	242
15600.000	26.04	18.50	44.54	54.00	-9.46	AVG	200	242

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



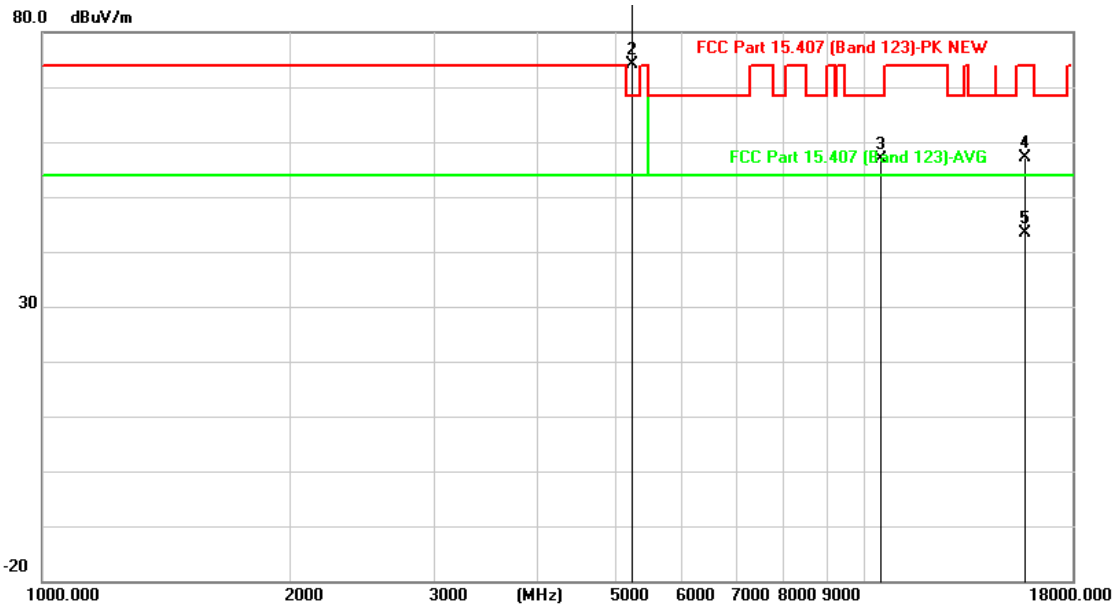
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	102.91	5.59	108.50			peak	100	233
5200.000	68.07	5.59	73.66			AVG	100	233
10400.000	43.97	14.58	58.55	68.30	-9.75	peak	120	310
15600.000	41.62	18.50	60.12	74.00	-13.88	peak	200	175
15600.000	26.45	18.50	44.95	54.00	-9.05	AVG	200	175

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH48
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



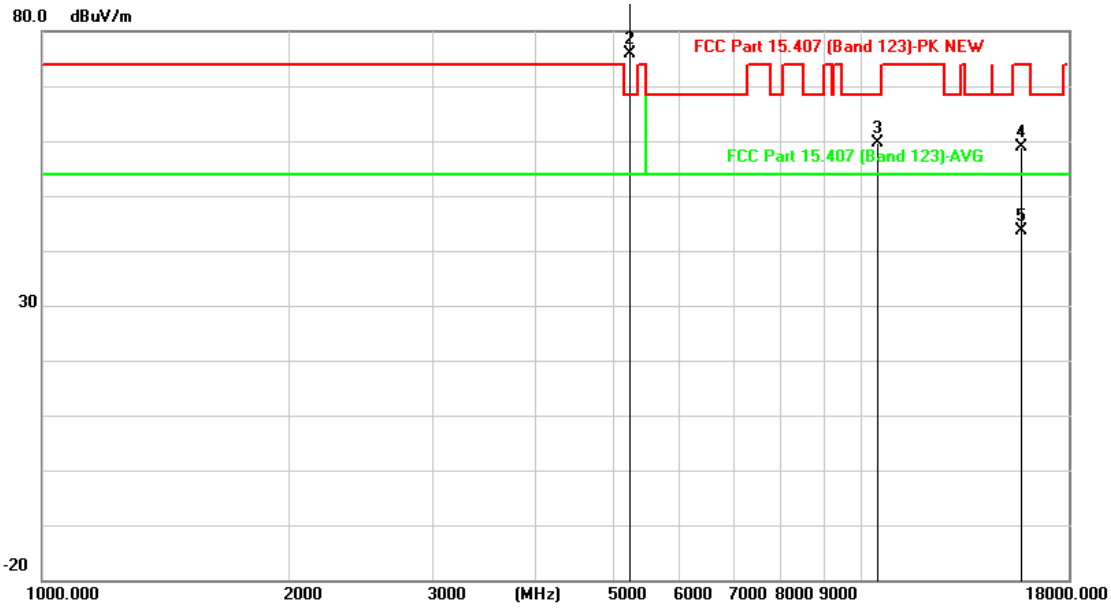
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	100.80	5.70	106.50			peak	100	135
5240.000	68.40	5.70	74.10			AVG	100	135
10480.000	42.17	14.75	56.92	68.30	-11.38	peak	100	247
15720.000	38.92	18.27	57.19	74.00	-16.81	peak	240	196
15720.000	25.04	18.27	43.31	54.00	-10.69	AVG	240	196

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH48
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



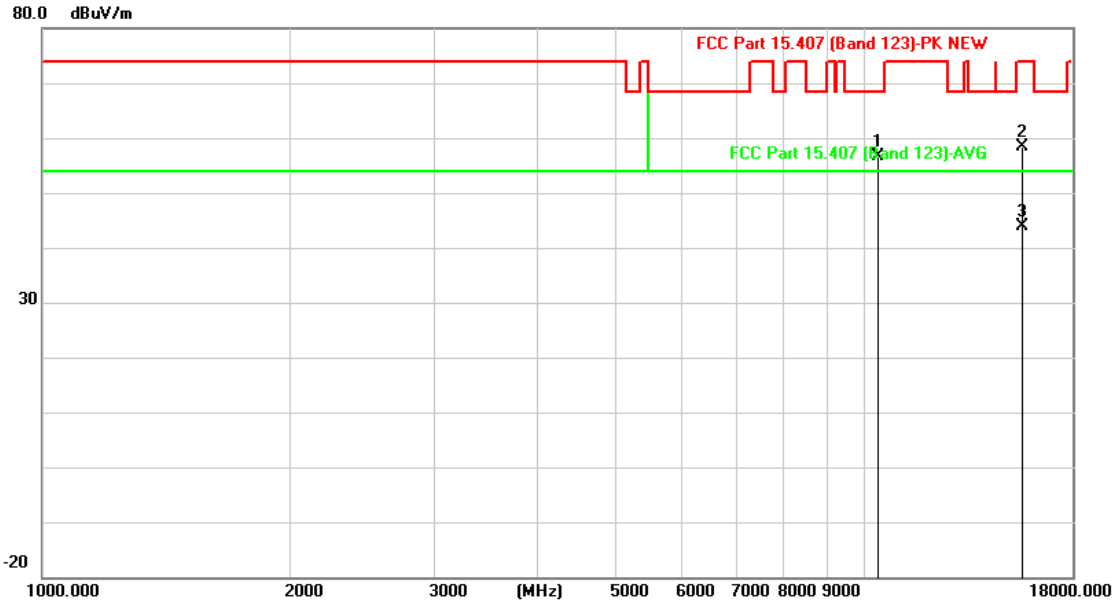
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	102.80	5.70	108.50			peak	100	255
5240.000	70.20	5.70	75.90			AVG	100	255
10480.000	44.76	14.75	59.51	68.30	-8.79	peak	100	182
15720.000	40.65	18.27	58.92	74.00	-15.08	peak	180	210
15720.000	25.32	18.27	43.59	54.00	-10.41	AVG	180	210

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



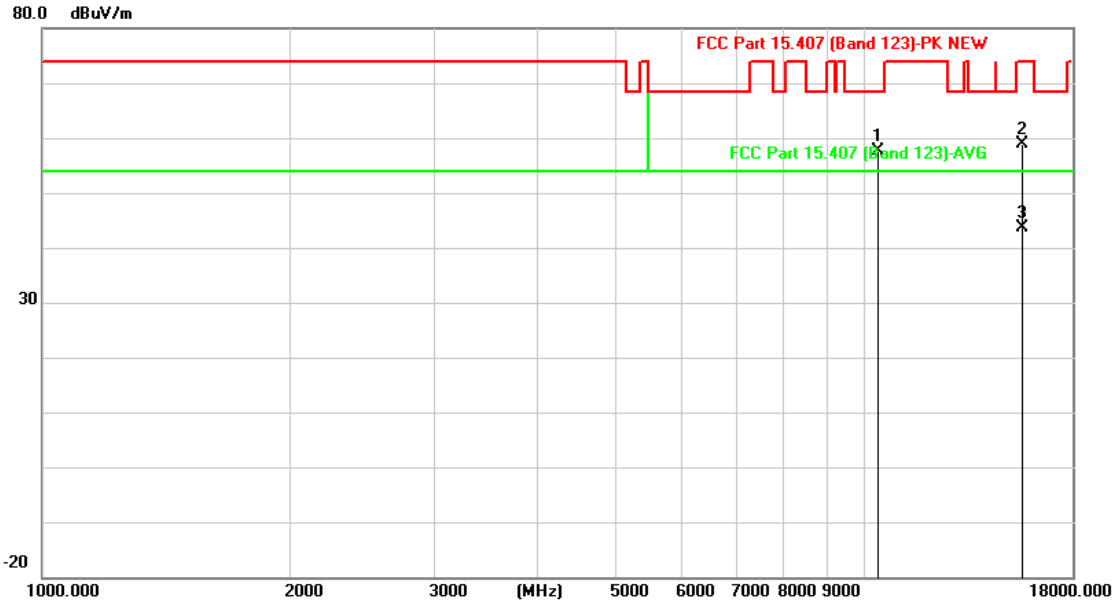
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10420.000	42.03	14.63	56.66	68.30	-11.64	peak	100	188
15630.000	39.91	18.43	58.34	74.00	-15.66	peak	150	233
15630.000	25.52	18.43	43.95	54.00	-10.05	AVG	150	233

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



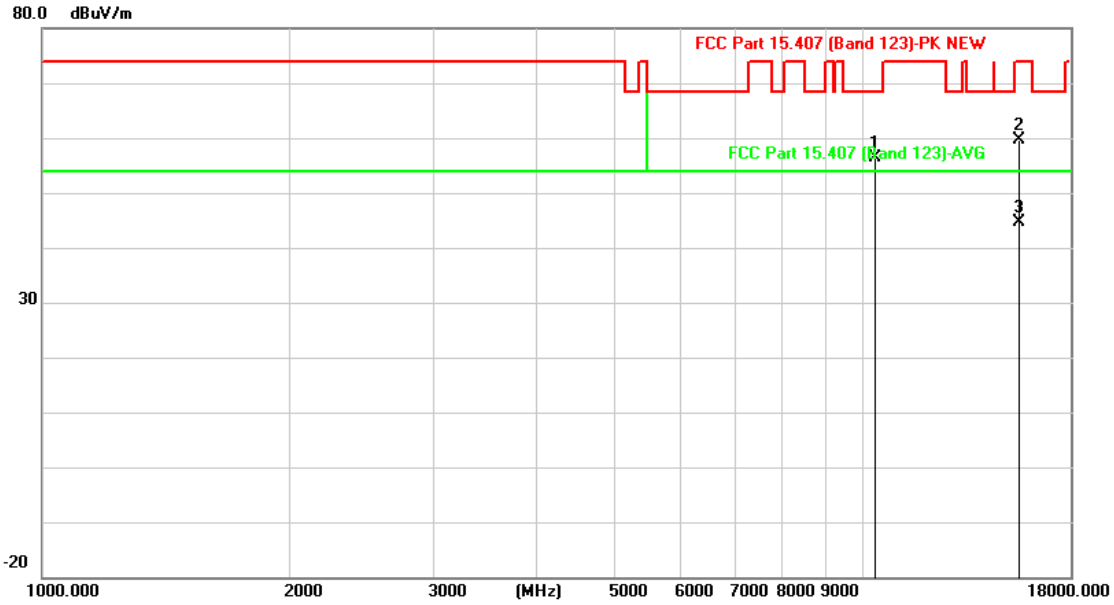
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10420.000	42.98	14.63	57.61	68.30	-10.69	peak	100	144
15630.000	40.38	18.43	58.81	74.00	-15.19	peak	100	270
15630.000	25.12	18.43	43.55	54.00	-10.45	AVG	100	270

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



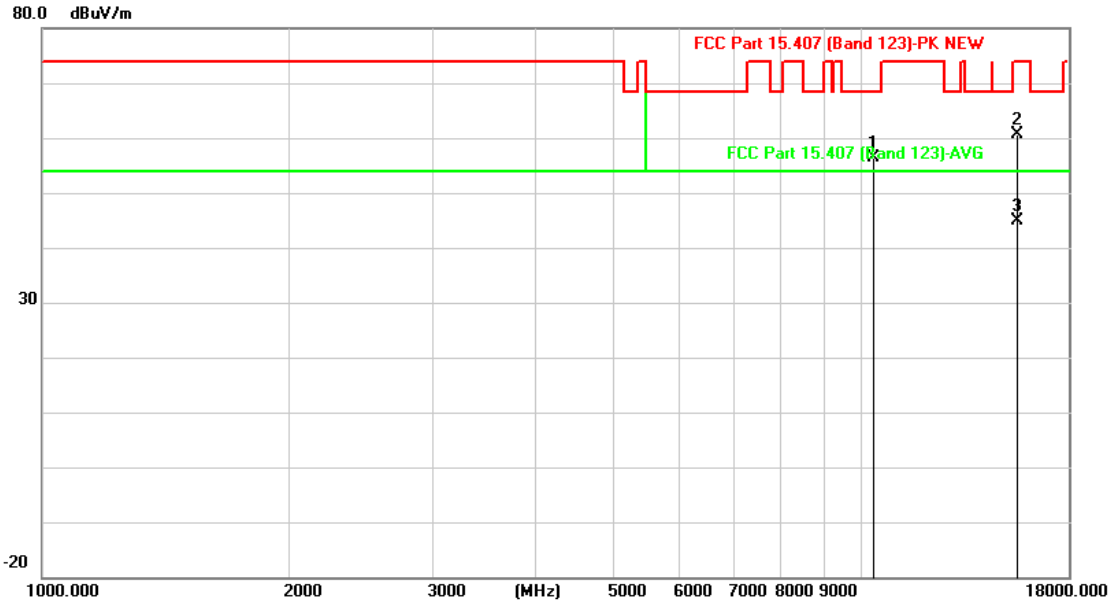
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	41.94	14.51	56.45	68.30	-11.85	peak	100	185
15540.000	40.97	18.62	59.59	74.00	-14.41	peak	190	230
15540.000	26.02	18.62	44.64	54.00	-9.36	AVG	190	230

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



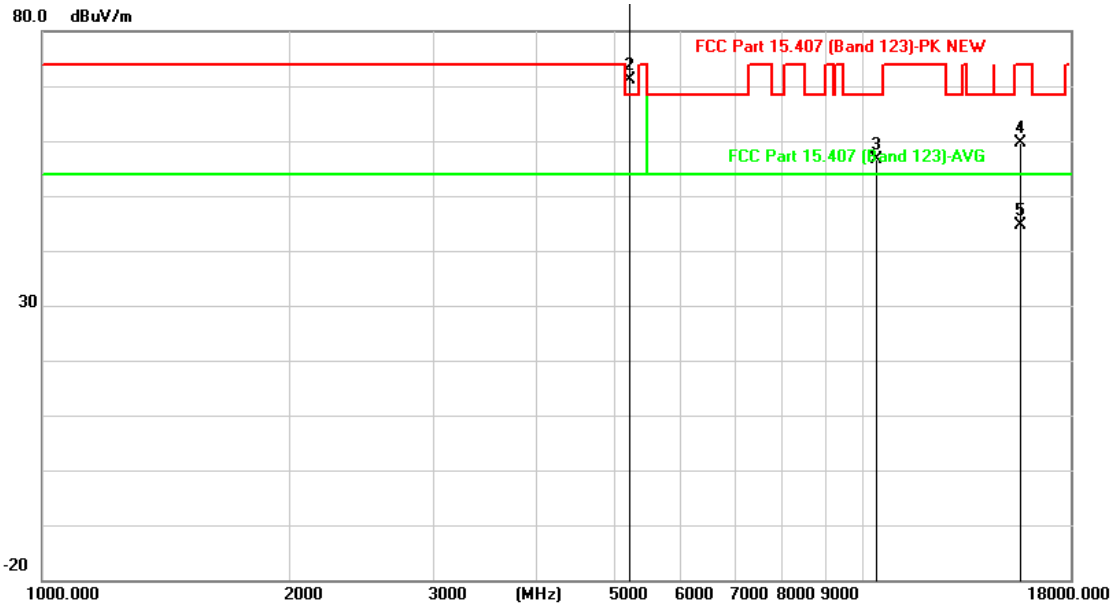
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10360.000	41.86	14.51	56.37	68.30	-11.93	peak	150	233
15540.000	41.89	18.62	60.51	74.00	-13.49	peak	200	275
15540.000	26.18	18.62	44.80	54.00	-9.20	AVG	200	275

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



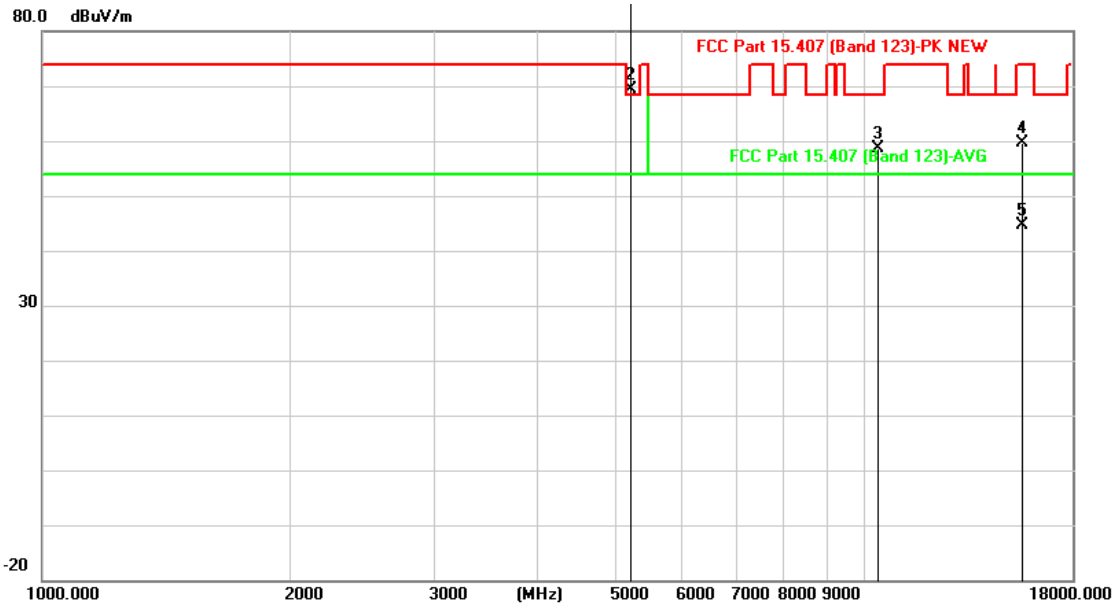
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	102.03	5.59	107.62			peak	100	155
5200.000	65.64	5.59	71.23			AVG	100	155
10400.000	42.17	14.58	56.75	68.30	-11.55	peak	120	233
15600.000	41.10	18.50	59.60	74.00	-14.40	peak	250	195
15600.000	26.01	18.50	44.51	54.00	-9.49	AVG	250	195

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH40
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



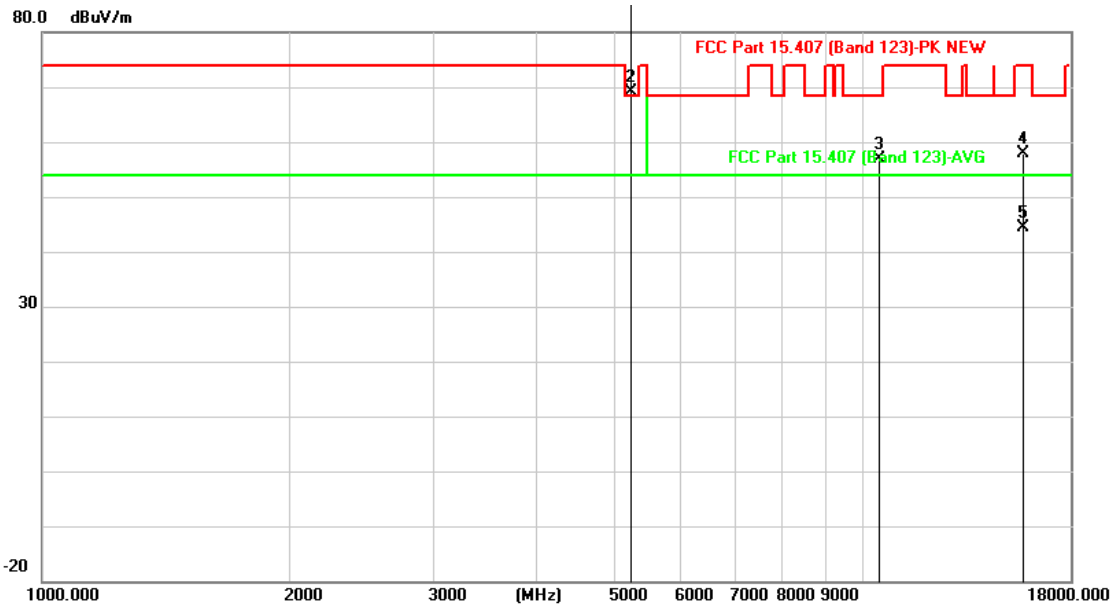
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5200.000	104.61	5.59	110.20			peak	100	240
5200.000	63.91	5.59	69.50			AVG	100	240
10400.000	44.17	14.58	58.75	68.30	-9.55	peak	120	185
15600.000	41.24	18.50	59.74	74.00	-14.26	peak	250	211
15600.000	26.14	18.50	44.64	54.00	-9.36	AVG	250	211

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH44
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



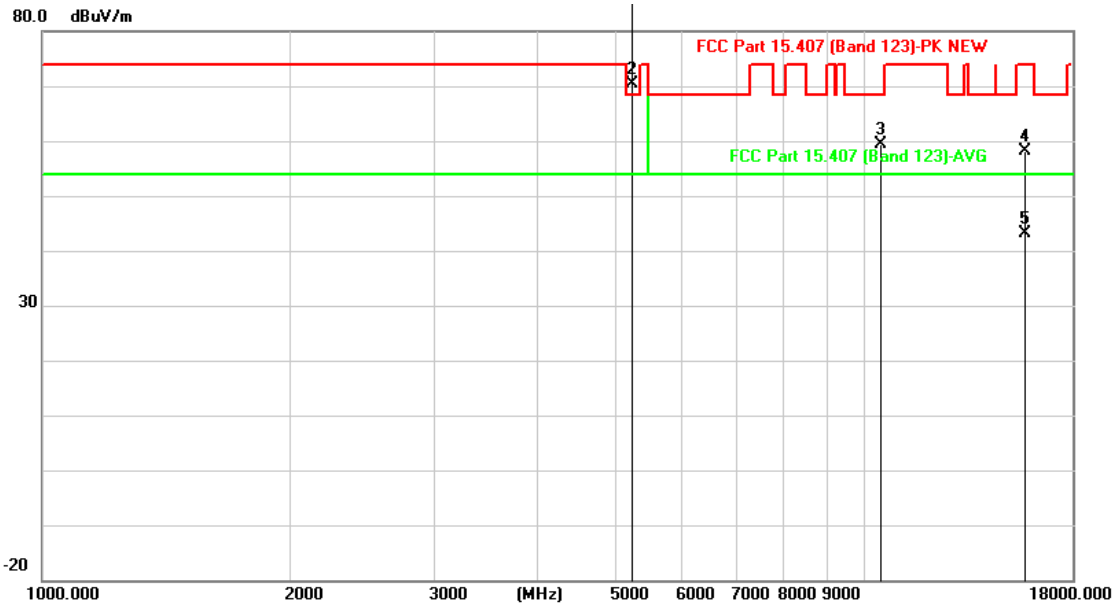
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	101.62	5.70	107.32			peak	100	266
5240.000	63.50	5.70	69.20			AVG	100	266
10480.000	42.16	14.75	56.91	68.30	-11.39	peak	100	210
15720.000	39.56	18.27	57.83	74.00	-16.17	peak	200	155
15720.000	26.03	18.27	44.30	54.00	-9.70	AVG	200	155

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH44
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



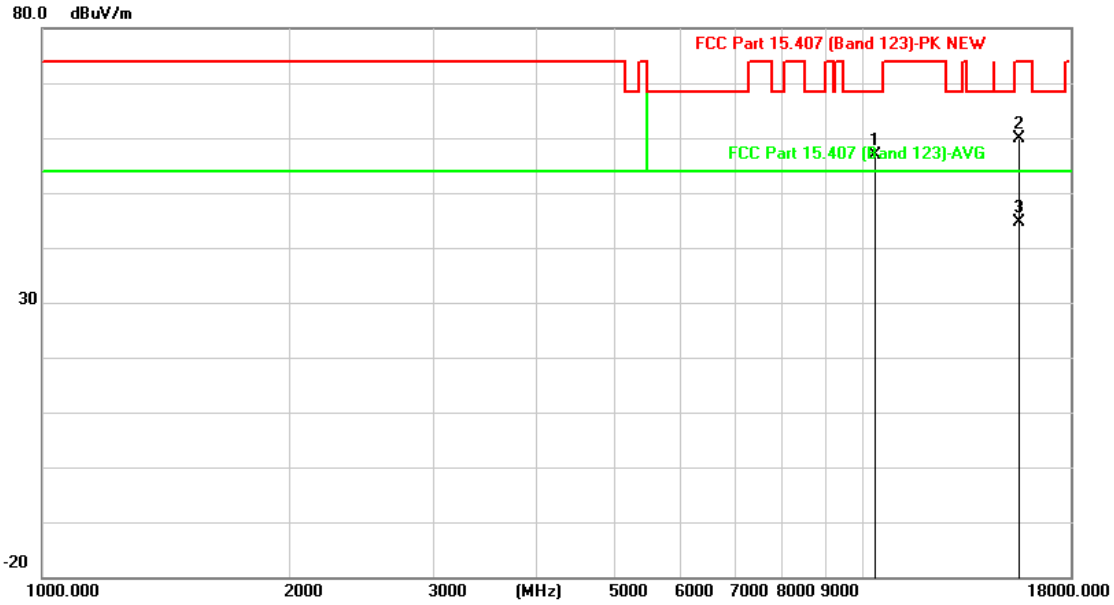
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5240.000	104.96	5.70	110.66			peak	200	136
5240.000	64.60	5.70	70.30			AVG	200	136
10480.000	44.72	14.75	59.47	68.30	-8.83	peak	150	255
15720.000	39.90	18.27	58.17	74.00	-15.83	peak	290	177
15720.000	24.98	18.27	43.25	54.00	-10.75	AVG	290	177

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



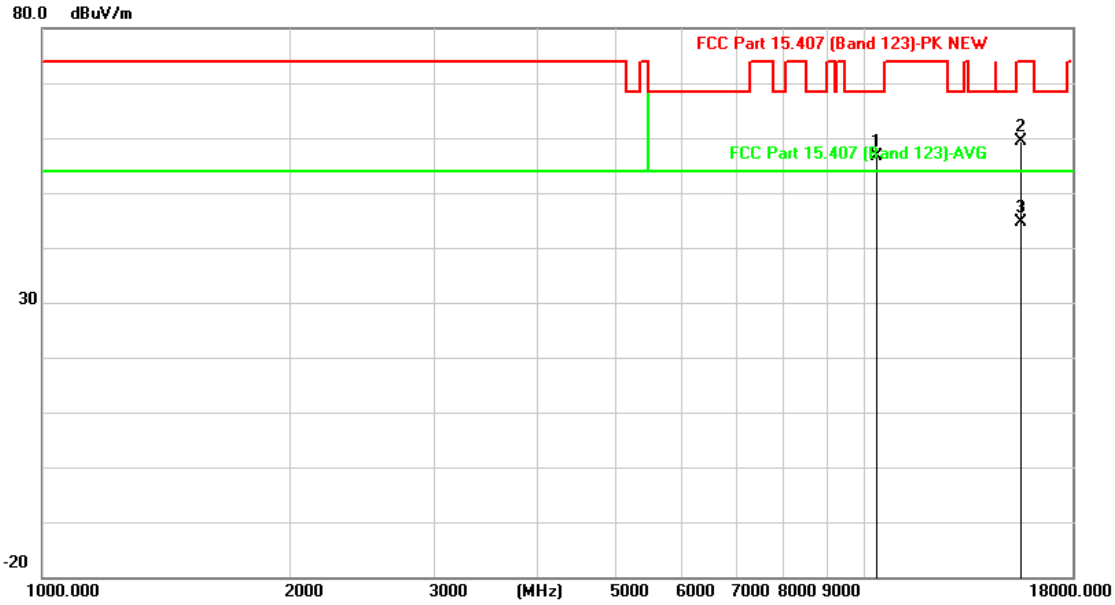
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10380.000	42.46	14.54	57.00	68.30	-11.30	peak	100	185
15570.000	41.27	18.57	59.84	74.00	-14.16	peak	200	177
15570.000	25.99	18.57	44.56	54.00	-9.44	AVG	200	177

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



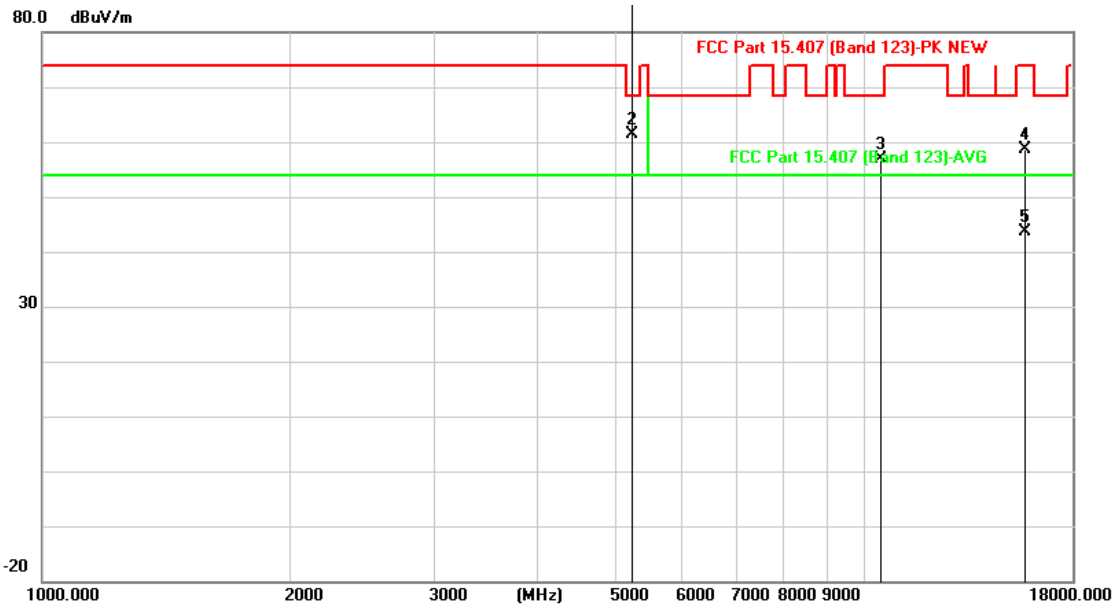
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
10380.000	42.21	14.54	56.75	68.30	-11.55	peak	160	233
15570.000	40.89	18.57	59.46	74.00	-14.54	peak	200	160
15570.000	26.03	18.57	44.60	54.00	-9.40	AVG	200	160

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH46
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



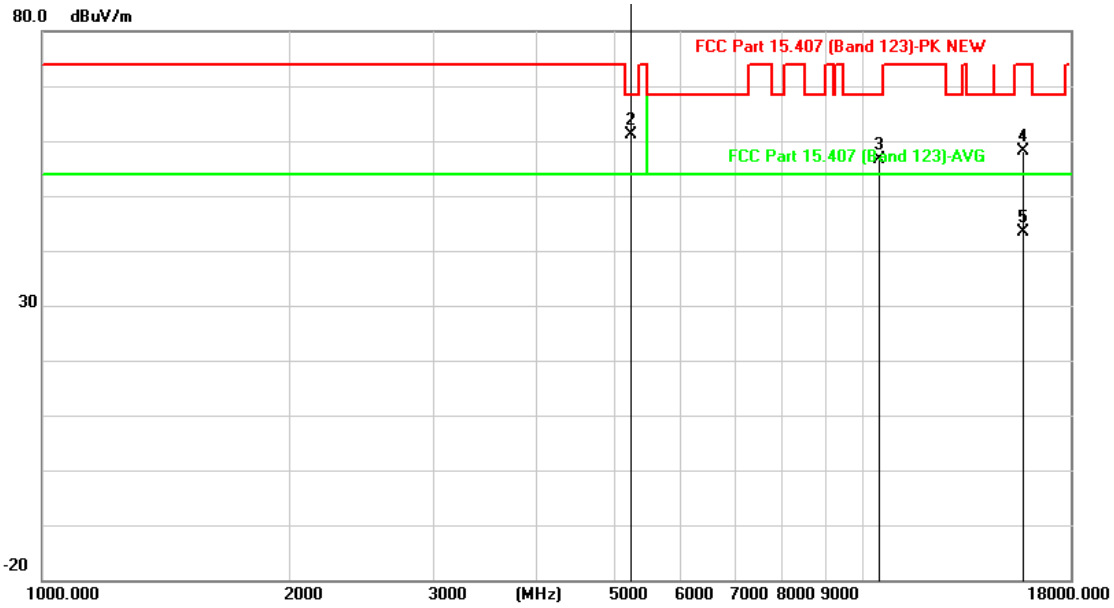
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5230.000	94.32	5.68	100.00			peak	100	255
5230.000	55.62	5.68	61.30			AVG	100	255
10460.000	42.14	14.71	56.85	68.30	-11.45	peak	100	140
15690.000	40.36	18.32	58.68	74.00	-15.32	peak	100	210
15690.000	25.23	18.32	43.55	54.00	-10.45	AVG	100	210

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH46
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/	Limit (dBuV/	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
5230.000	99.53	5.68	105.21			peak	100	133
5230.000	55.54	5.68	61.22			AVG	100	133
10460.000	41.95	14.71	56.66	68.30	-11.64	peak	100	175
15690.000	39.90	18.32	58.22	74.00	-15.78	peak	150	288
15690.000	25.14	18.32	43.46	54.00	-10.54	AVG	150	288

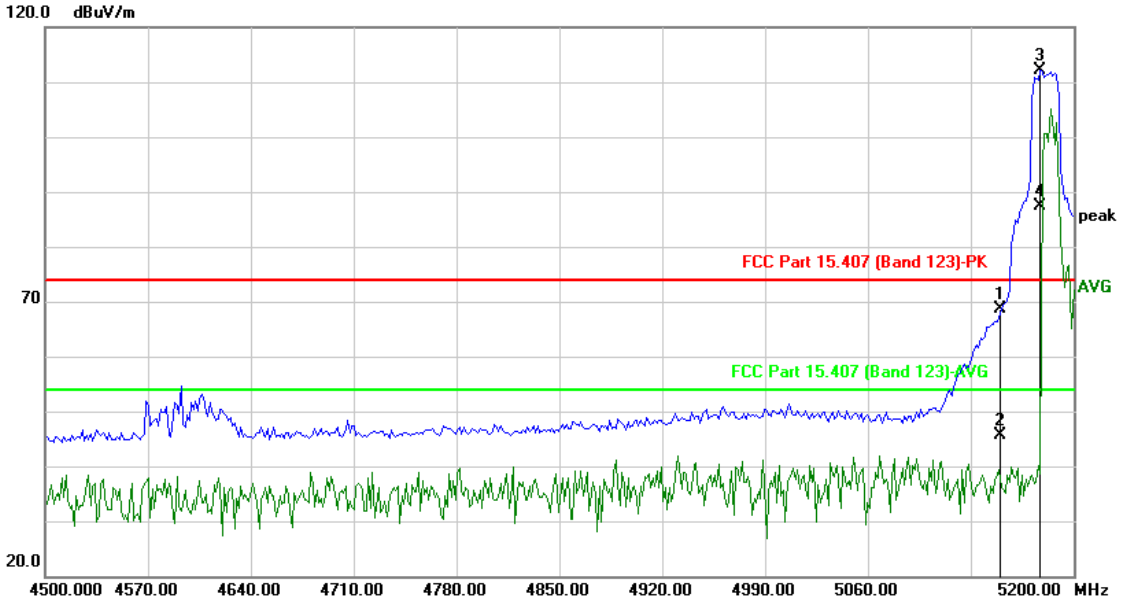
5. Bandedge

Wi-Fi Module1: (model: nxp8997)

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



Critical_Freqs

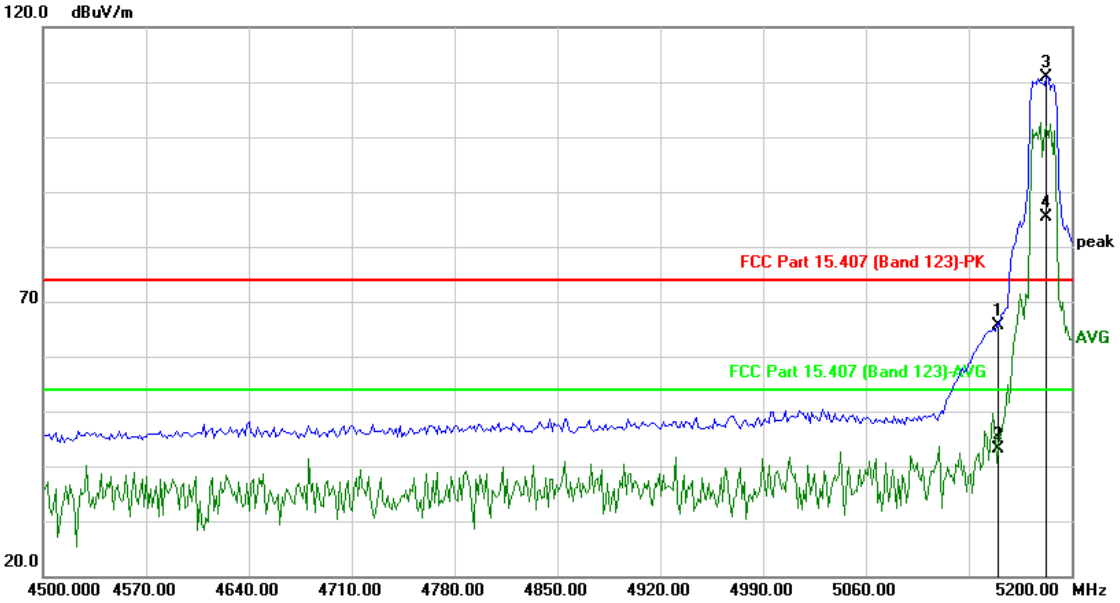
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	63.59	5.15	68.74	74.00	-5.26	peak	365	304
2	5150.000	40.46	5.15	45.61	54.00	-8.39	AVG	365	304
3 *	5177.555	105.99	6.06	112.05			peak	365	304
4 *	5177.555	81.43	6.06	87.49			AVG	365	304

.

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



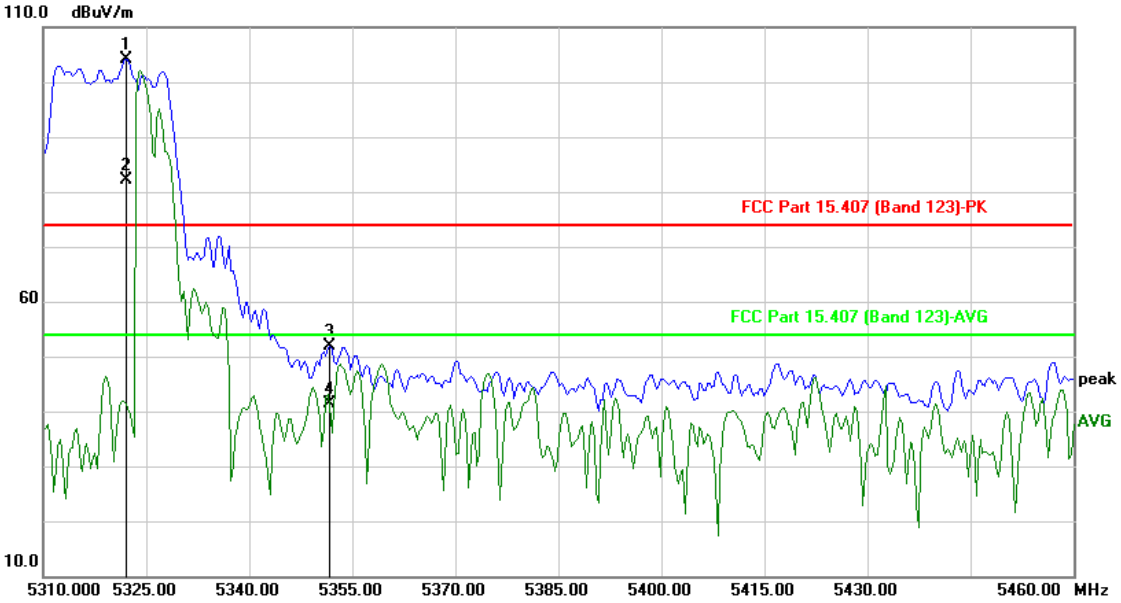
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	60.58	5.15	65.73	74.00	-8.27	peak		
2	5150.000	38.05	5.15	43.20	54.00	-10.80	AVG	310	228
3 *	5183.166	104.66	6.24	110.90			peak		
4 *	5183.166	79.23	6.24	85.47			AVG	310	228

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



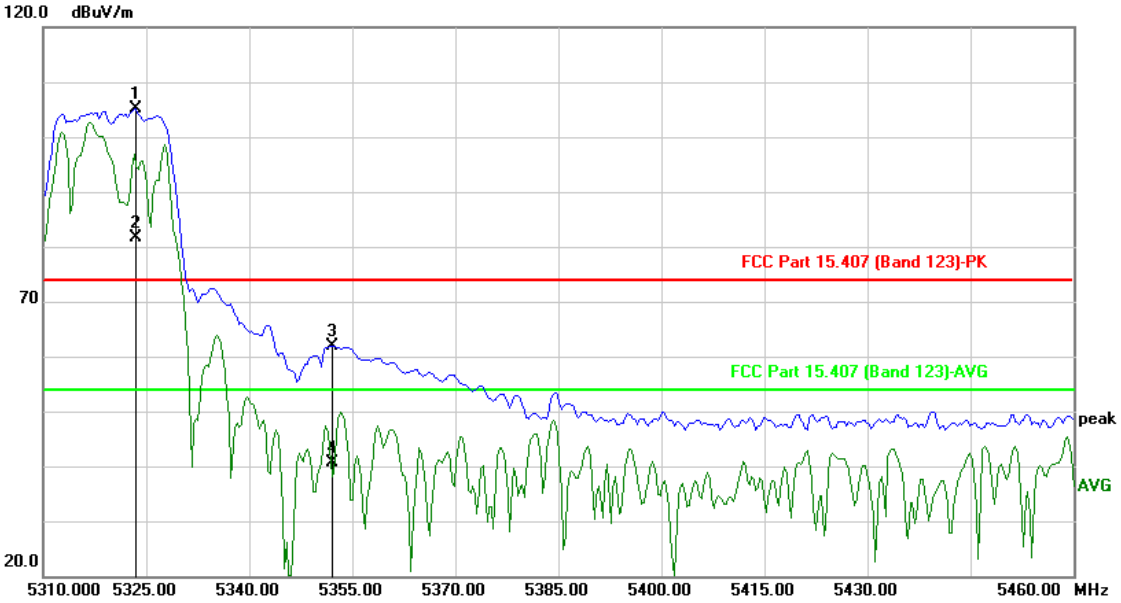
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5322.024	100.12	4.07	104.19			peak	375	334
2 *	5322.024	78.03	4.07	82.10			AVG	375	334
3	5351.783	47.73	4.15	51.88	74.00	-22.12	peak	375	334
4	5351.783	37.17	4.15	41.32	54.00	-12.68	AVG	375	334

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



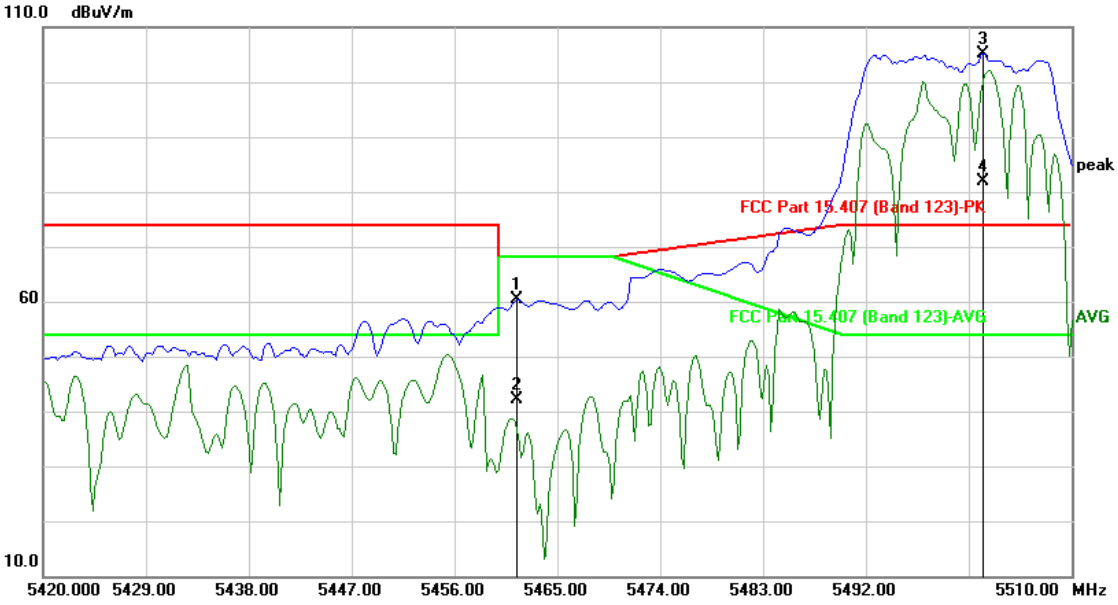
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5323.527	101.07	4.08	105.15			peak	196	0
2 *	5323.527	77.43	4.08	81.51			AVG	196	0
3	5352.084	57.68	4.15	61.83	74.00	-12.17	peak	196	0
4	5352.084	36.45	4.15	40.60	54.00	-13.40	AVG	196	0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



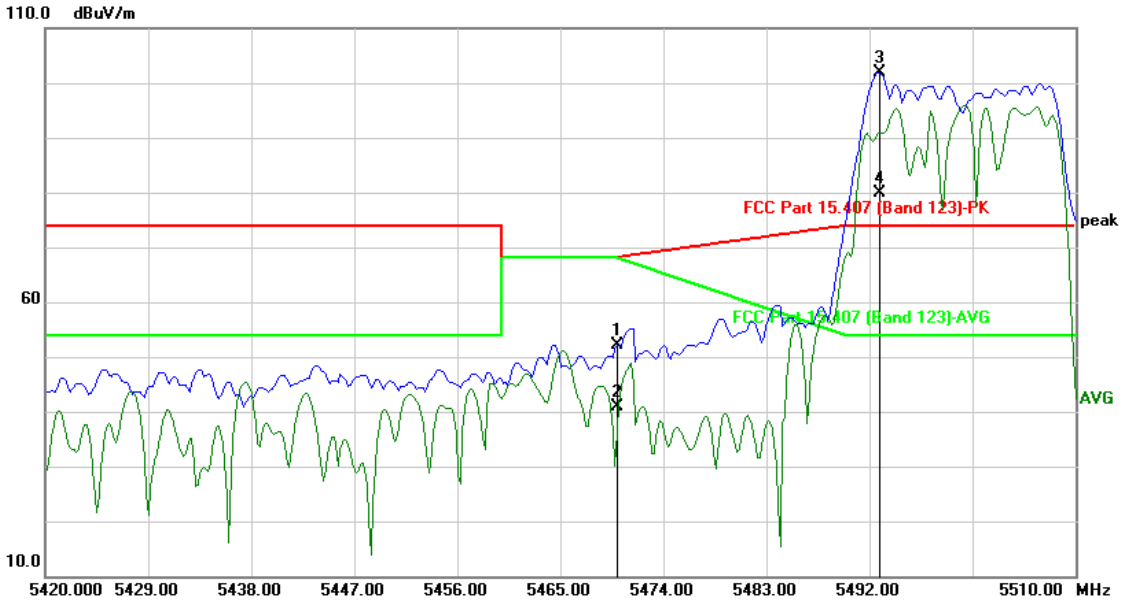
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5461.483	55.86	4.42	60.28	68.20	-7.92	peak	390	298
2	5461.483	37.83	4.42	42.25	68.20	-25.95	AVG	390	298
3 *	5502.244	100.59	4.51	105.10			peak	390	298
4 *	5502.244	77.35	4.51	81.86			AVG	390	298

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



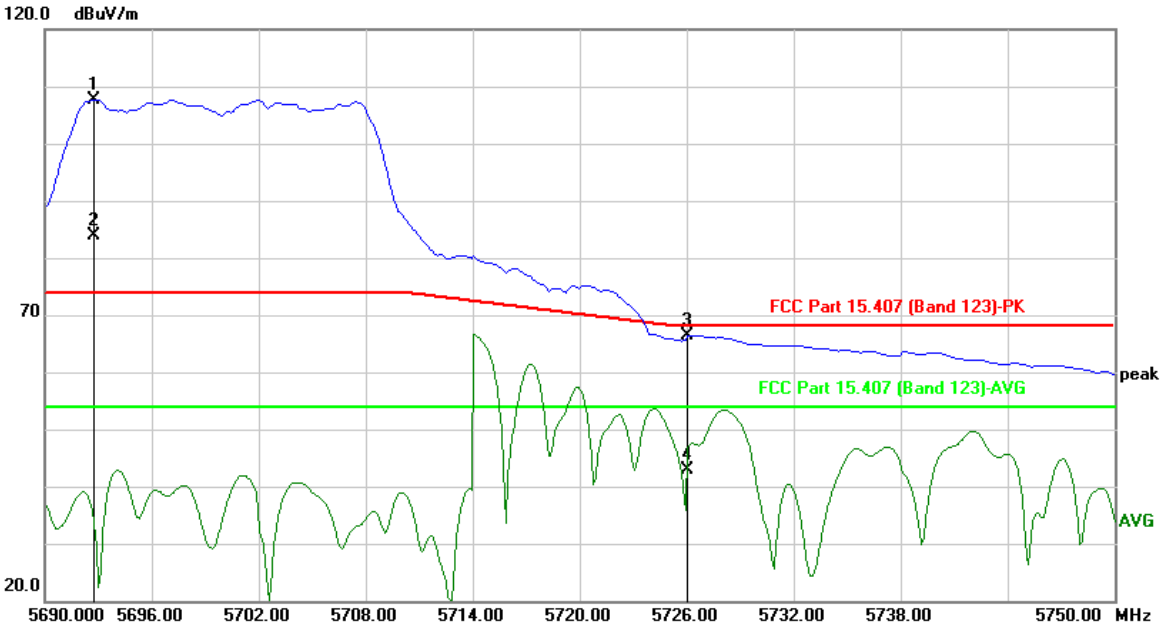
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5470.000	47.77	4.44	52.21	68.20	-15.99	peak	171	298
2	5470.000	36.34	4.44	40.78	68.20	-27.42	AVG	171	298
3 *	5492.866	97.39	4.50	101.89			peak	171	298
4 *	5492.866	75.46	4.50	79.96			AVG	171	298

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



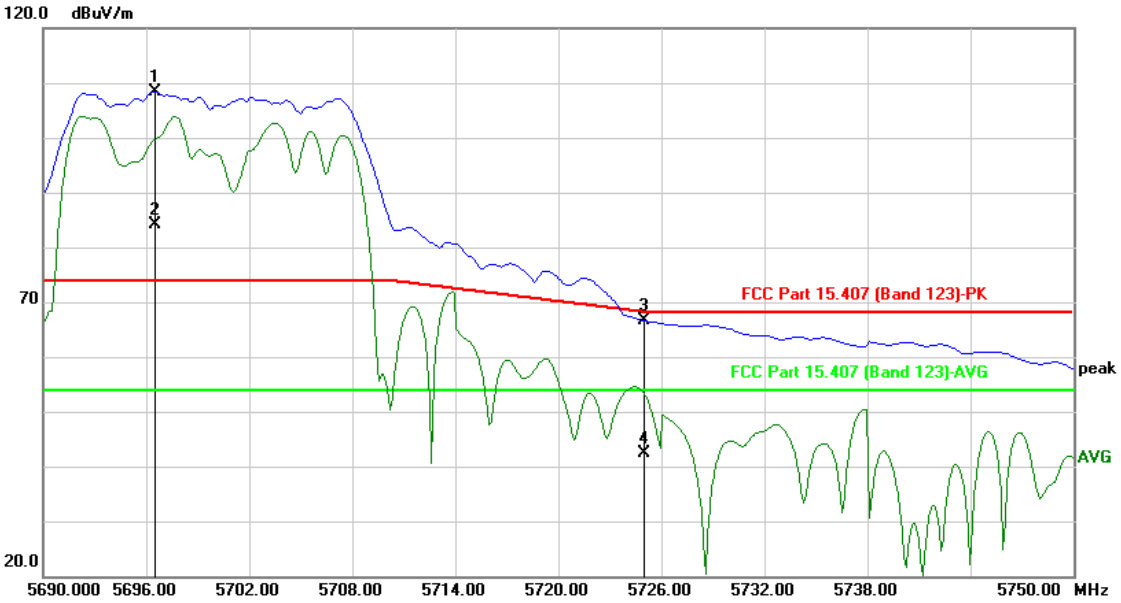
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5692.766	103.07	4.66	107.73			peak	380	293
2 *	5692.766	79.18	4.66	83.84			AVG	380	293
3	5726.072	61.74	4.69	66.43	68.20	-1.77	peak	380	293
4	5726.072	38.21	4.69	42.90	54.00	-11.10	AVG	380	293

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



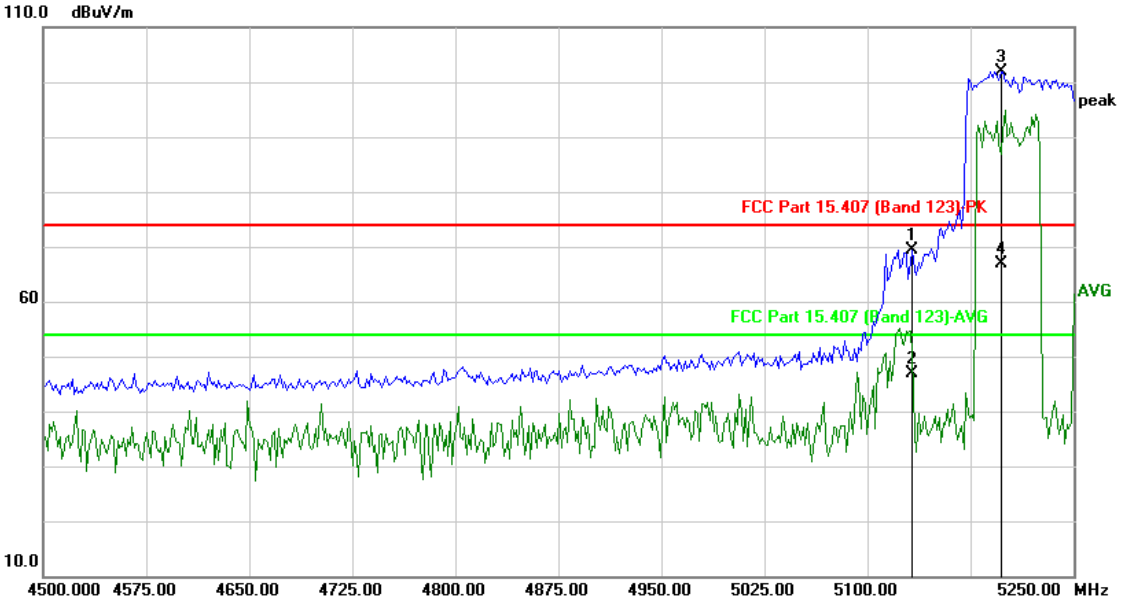
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5696.493	103.78	4.67	108.45			peak	390	352
2 *	5696.493	79.44	4.67	84.11			AVG	390	352
3	5725.000	61.82	4.69	66.51	68.20	-1.69	peak	390	352
4	5725.000	37.77	4.69	42.46	54.00	-11.54	AVG	390	352

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



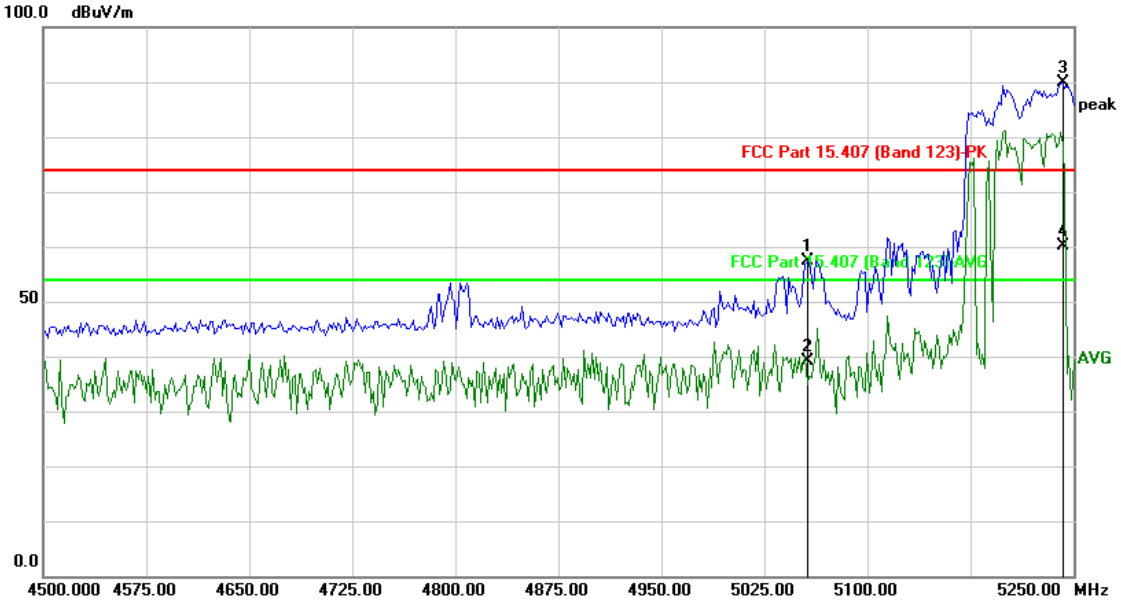
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5132.766	64.79	4.60	69.39	74.00	-4.61	peak	390	304
2	5132.766	42.34	4.60	46.94	54.00	-7.06	AVG	390	304
3 *	5197.395	95.32	6.68	102.00			peak	390	304
4 *	5197.395	60.11	6.68	66.79			AVG	390	304

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



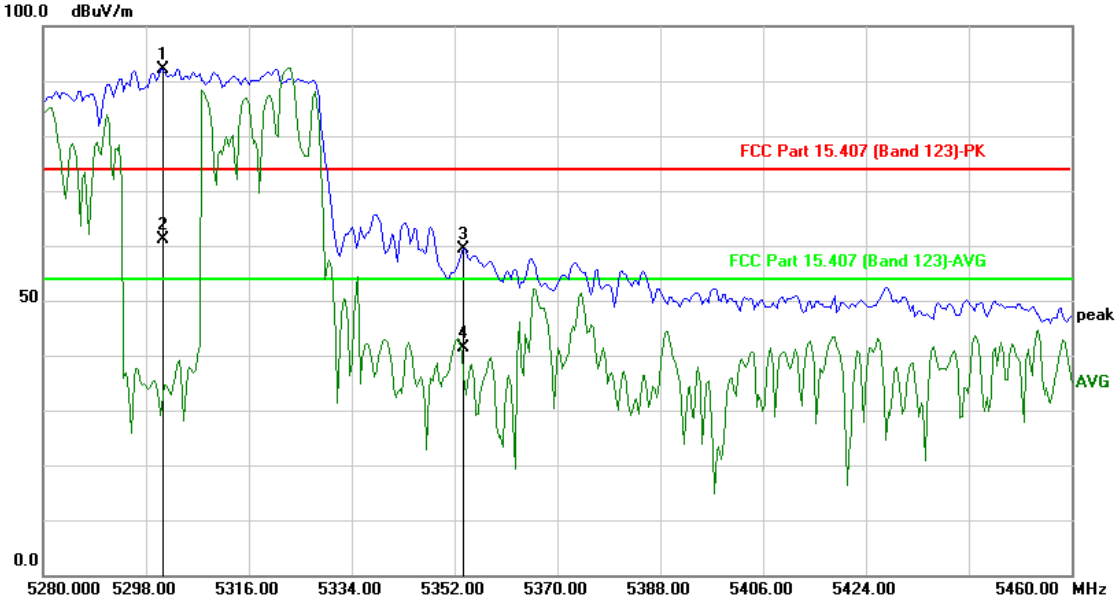
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5056.112	54.00	3.42	57.42	74.00	-16.58	peak	390	304
2	5056.112	35.78	3.42	39.20	54.00	-14.80	AVG	390	304
3 *	5242.485	84.19	5.60	89.79			peak	390	304
4 *	5242.485	54.42	5.60	60.02			peak	390	304

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH58
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



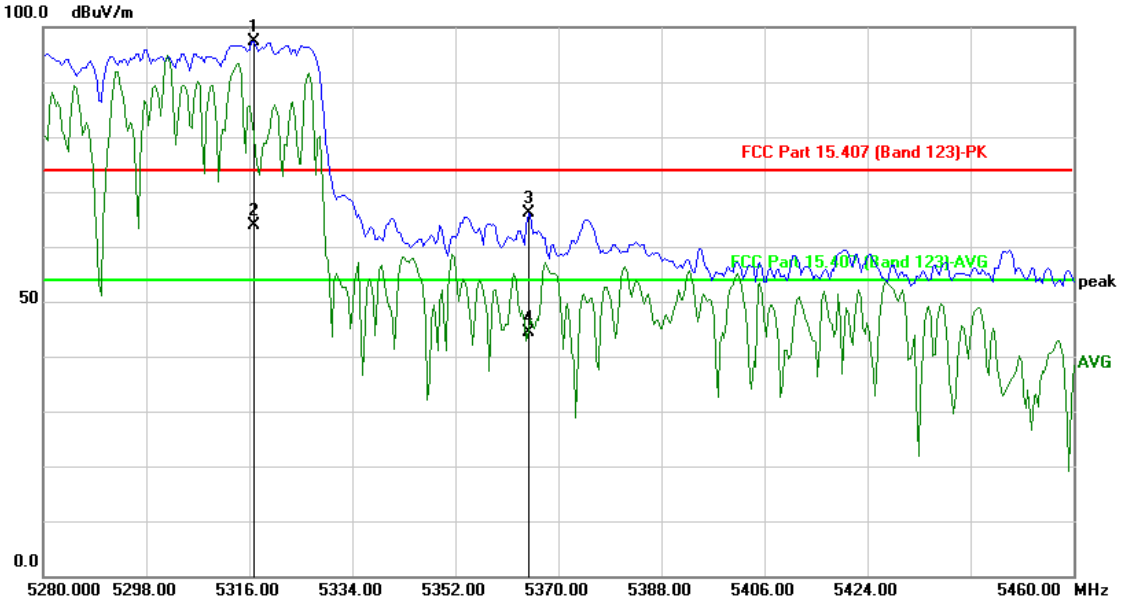
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5300.922	88.11	4.03	92.14			peak	390	213
2 *	5300.922	57.00	4.03	61.03			AVG	390	213
3	5353.587	55.24	4.16	59.40	74.00	-14.60	peak	390	213
4	5353.587	37.24	4.16	41.40	54.00	-12.60	AVG	390	213

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH58
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



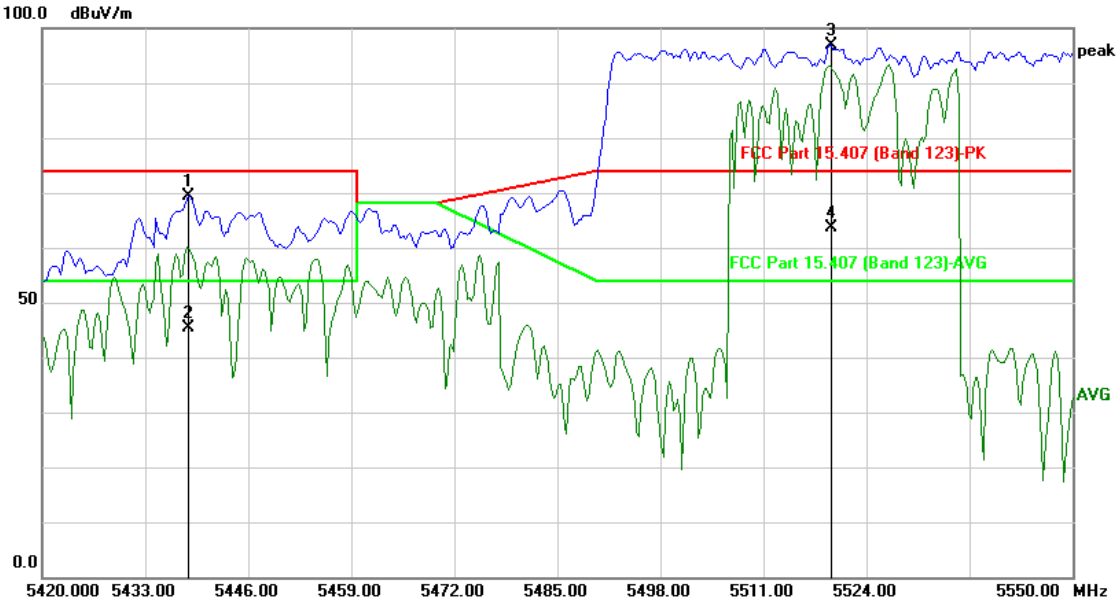
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5316.794	93.41	4.06	97.47			peak	390	250
2 *	5316.794	59.81	4.06	63.87			AVG	390	250
3	5364.770	61.96	4.19	66.15	74.00	-7.85	peak	390	250
4	5364.770	40.08	4.19	44.27	54.00	-9.73	AVG	390	250

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH106
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



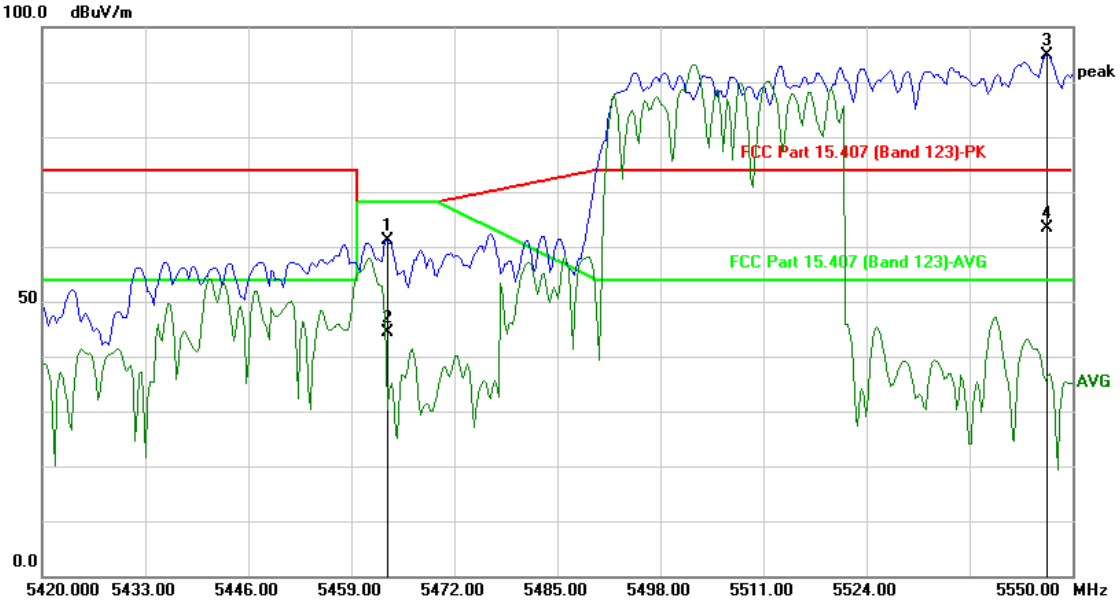
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5438.497	64.89	4.37	69.26	74.00	-4.74	peak	390	298
2	5438.497	41.02	4.37	45.39	54.00	-8.61	AVG	390	298
3 *	5519.519	92.29	4.53	96.82			peak	390	298
4 *	5519.519	59.11	4.53	63.64			AVG	390	298

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH106
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



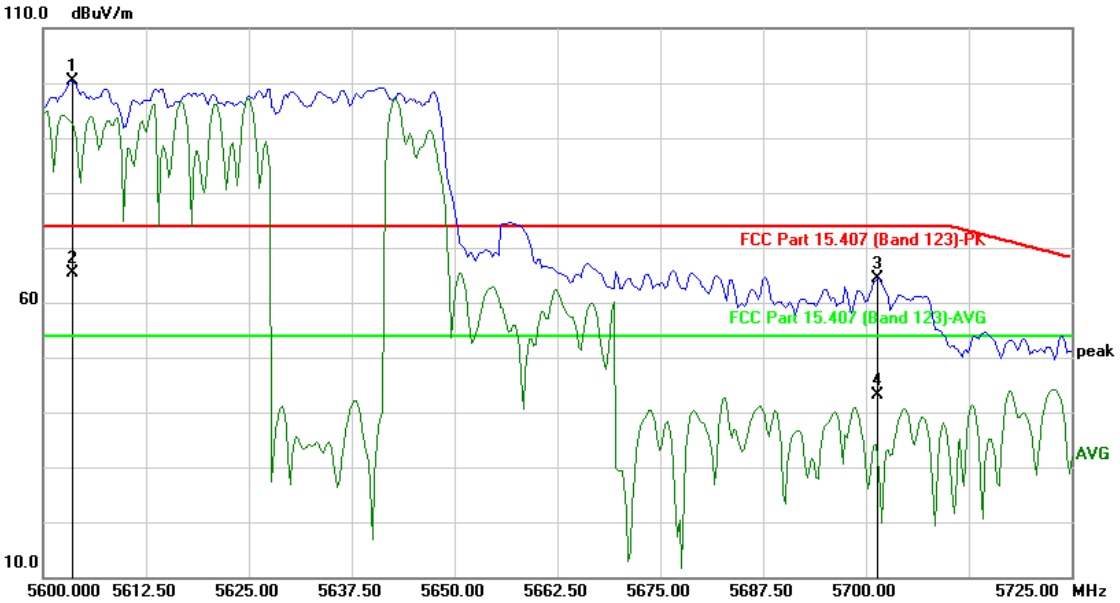
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5463.507	56.72	4.43	61.15	68.20	-7.05	peak	369	0
2	5463.507	39.99	4.43	44.42	68.20	-23.78	AVG	369	0
3 *	5546.874	90.34	4.55	94.89			peak	369	0
4 *	5546.874	58.77	4.55	63.32			AVG	369	0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH122
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



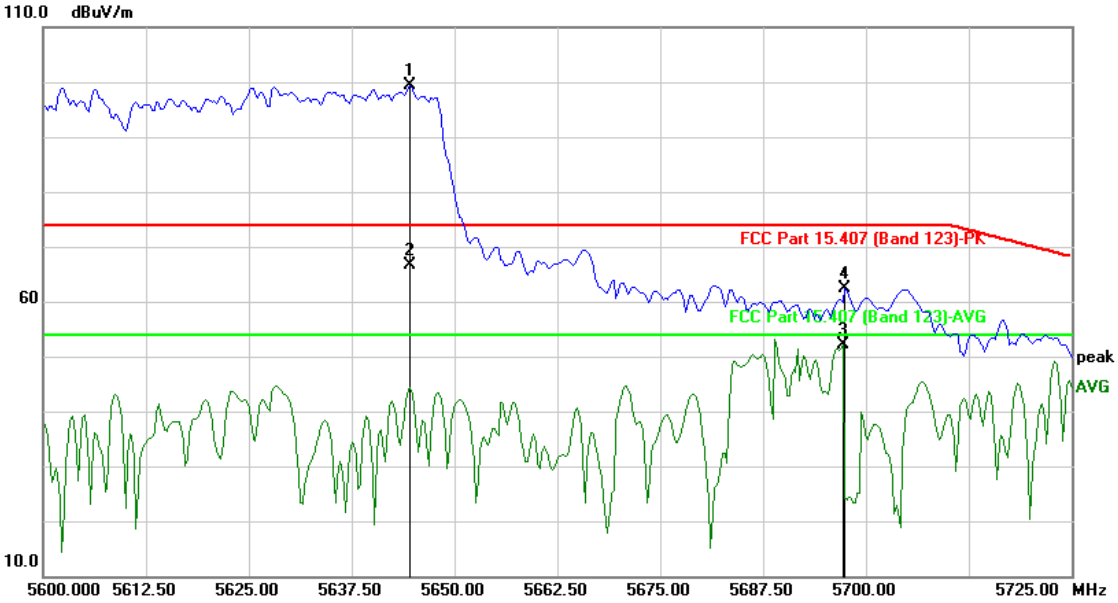
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5603.507	95.78	4.58			26.36	peak	390	342
2 *	5603.507	60.82	4.58			11.40	AVG	390	342
3	5701.453	59.83	4.67	64.50	74.00	-9.50	peak	390	342
4	5701.453	38.56	4.67	43.23	54.00	-10.77	AVG	390	342

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH122
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



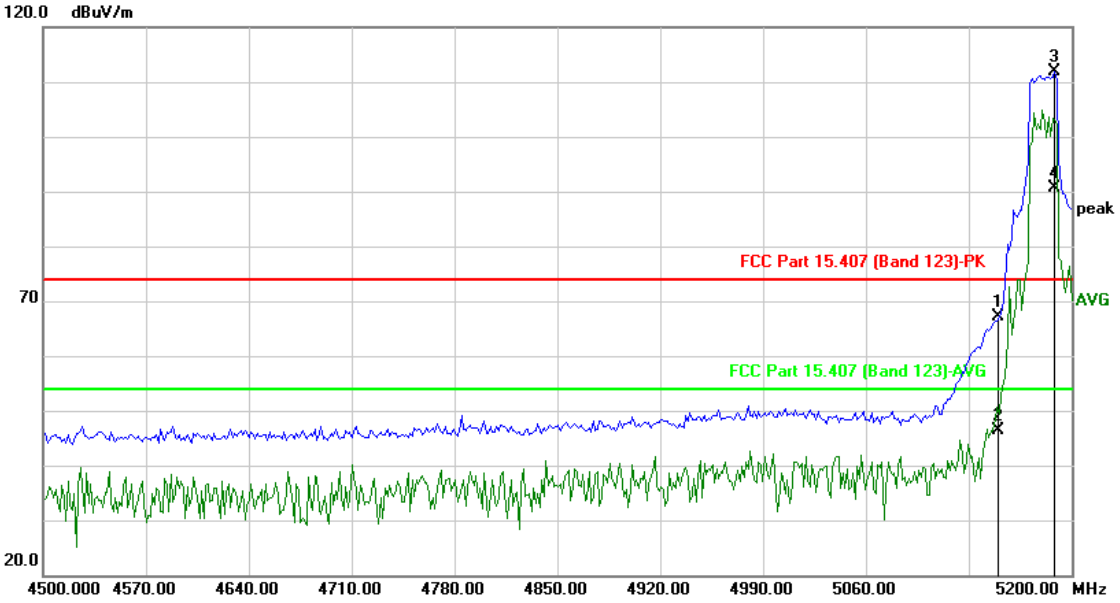
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5644.589	94.65	4.62	99.27			peak	365	69
2 *	5644.589	62.13	4.62	66.75			AVG	365	69
3	5697.194	47.40	4.67	52.07	54.00	-1.93	AVG	365	69
4	5697.445	57.63	4.67	62.30	74.00	-11.70	peak	365	69

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



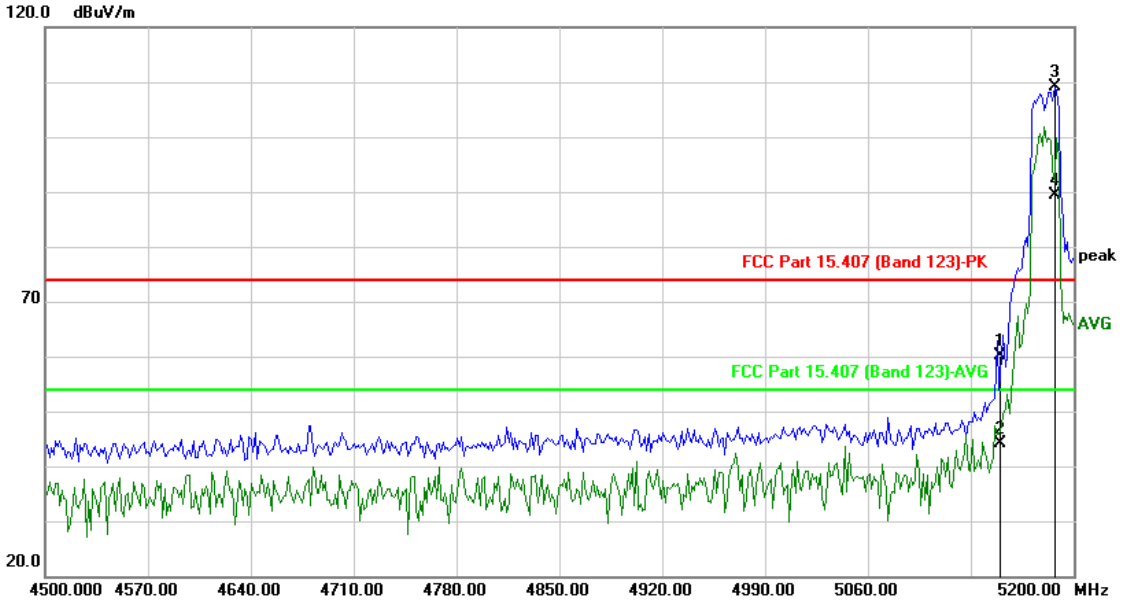
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	61.99	5.15	67.14	74.00	-6.86	peak	381	304
2	5150.000	41.32	5.15	46.47	54.00	-7.53	AVG	381	304
3 *	5188.778	105.49	6.42	111.91			peak	381	304
4 *	5188.778	84.23	6.42	90.65			AVG	381	304

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



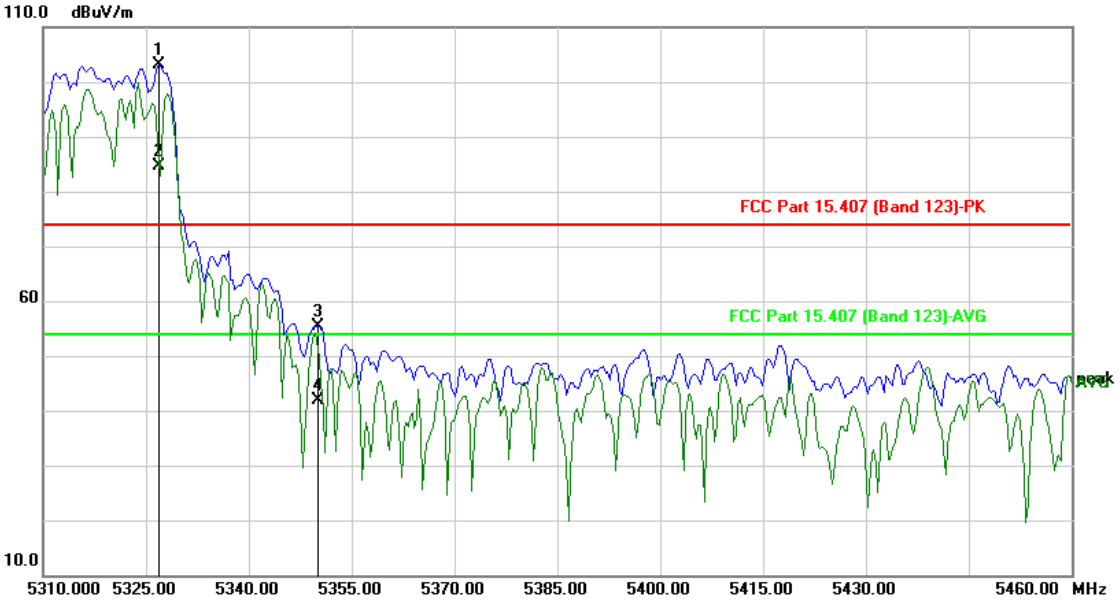
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	55.04	5.15	60.19	74.00	-13.81	peak	339	234
2	5150.000	39.04	5.15	44.19	54.00	-9.81	AVG	339	234
3 *	5187.375	102.67	6.36	109.03			peak	339	234
4 *	5187.375	83.00	6.36	89.36			AVG	339	234

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



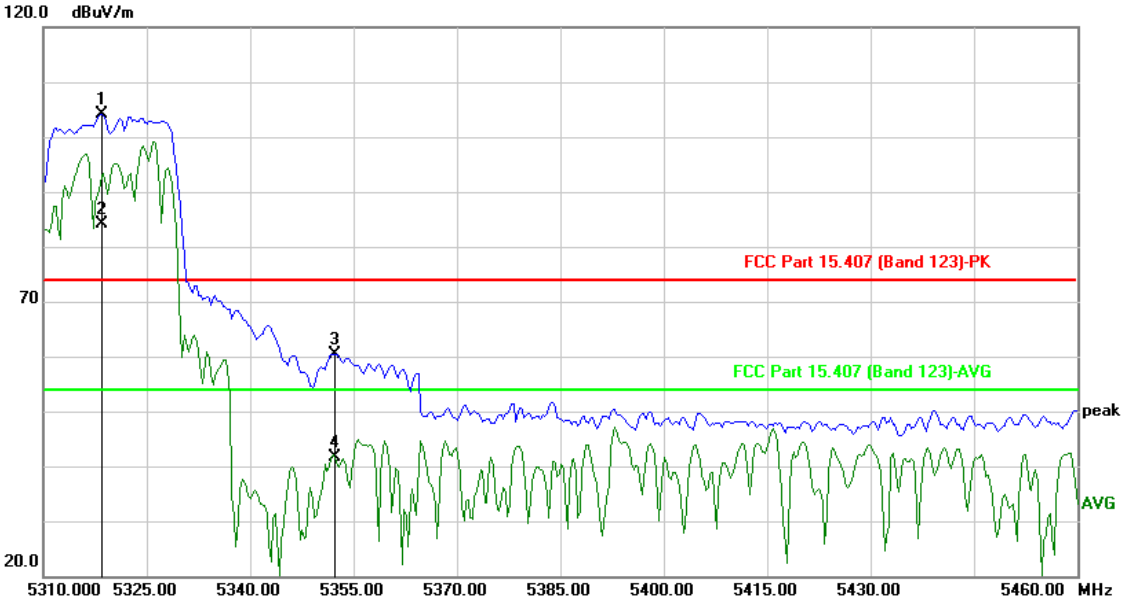
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5326.834	99.11	4.09	103.20			peak	391	345
2 *	5326.834	80.65	4.09	84.74			AVG	391	345
3	5350.000	51.28	4.15	55.43	74.00	-18.57	peak	391	345
4	5350.000	37.62	4.15	41.77	54.00	-12.23	AVG	391	345

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH64
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



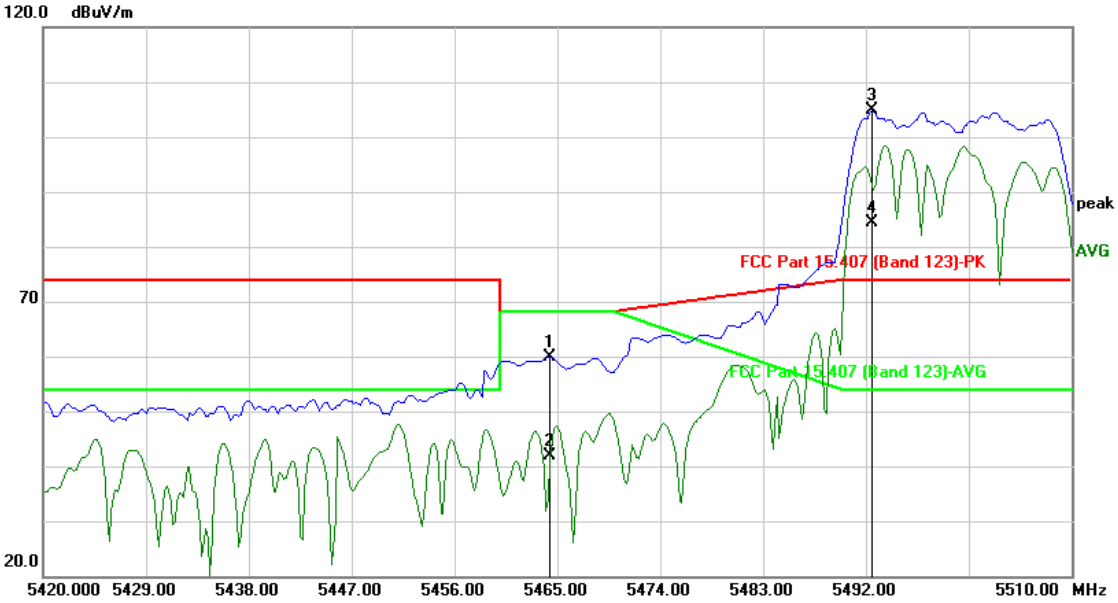
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5318.417	100.00	4.07	104.07			peak	391	0
2 *	5318.417	80.00	4.07	84.07			AVG	391	0
3	5352.385	56.19	4.15	60.34	74.00	-13.66	peak	391	0
4	5352.385	37.39	4.15	41.54	54.00	-12.46	AVG	391	0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



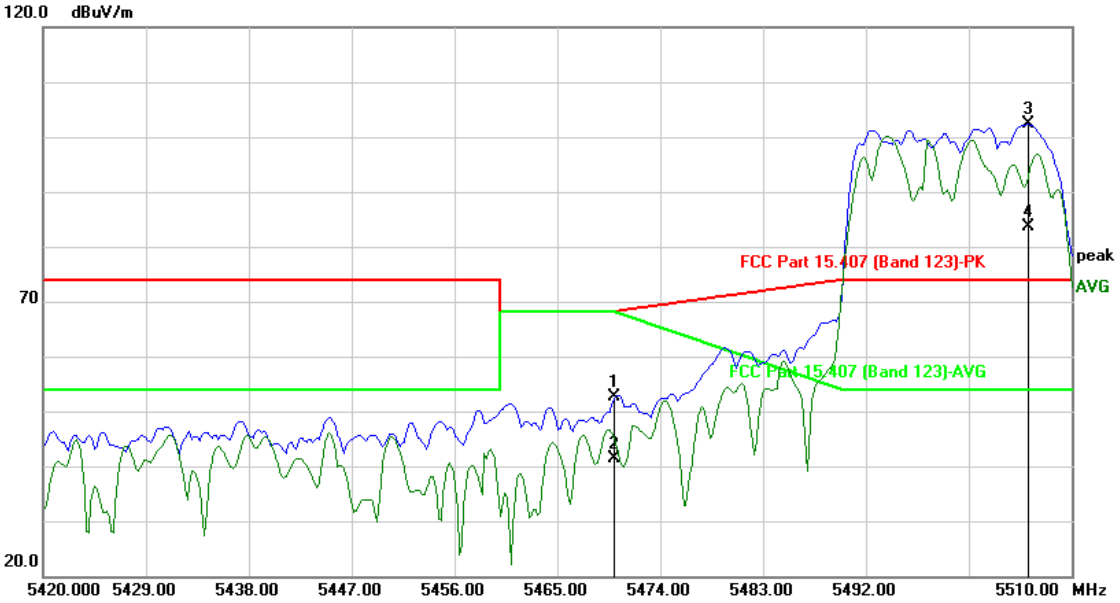
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5464.369	55.38	4.43	59.81	68.20	-8.39	peak	385	299
2	5464.369	37.55	4.43	41.98	68.20	-26.22	AVG	385	299
3 *	5492.505	100.26	4.50	104.76			peak	385	299
4 *	5492.505	79.76	4.50	84.26			AVG	385	299

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH100
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



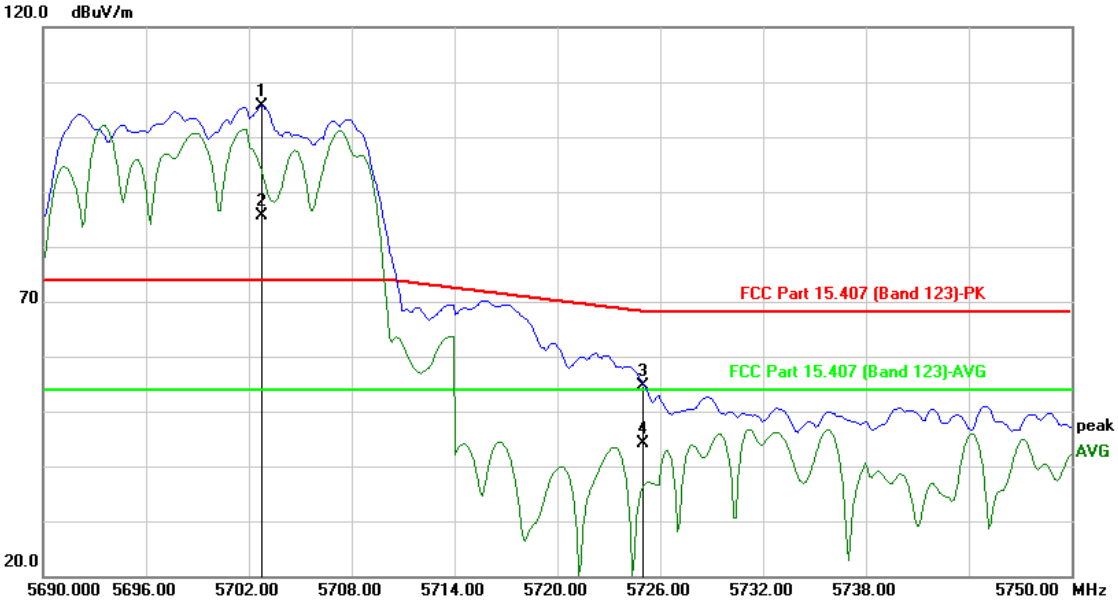
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5470.000	48.21	4.44	52.65	68.20	-15.55	peak	315	330
2	5470.000	37.03	4.44	41.47	68.20	-26.73	AVG	315	330
3 *	5506.212	97.75	4.51	102.26			peak	315	330
4 *	5506.212	79.10	4.51	83.61			AVG	315	330

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



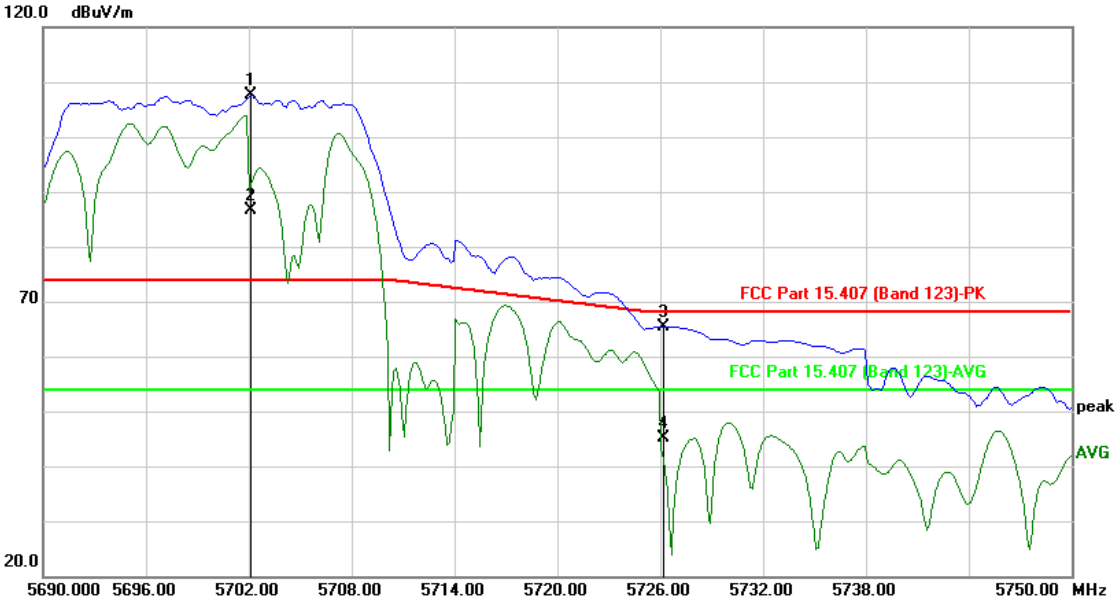
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5702.745	100.89	4.67	105.56			peak	390	295
2 *	5702.745	80.84	4.67	85.51			AVG	390	295
3	5725.000	49.86	4.69	54.55	68.20	-13.65	peak	390	295
4	5725.000	39.39	4.69	44.08	54.00	-9.92	AVG	390	295

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH140
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



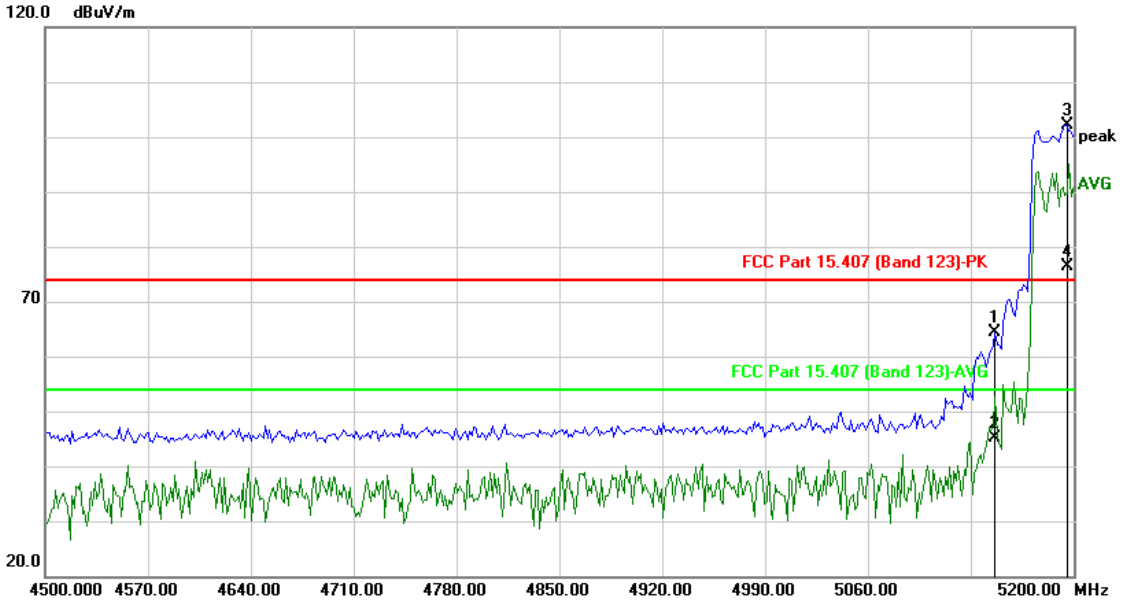
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5702.144	102.85	4.67	107.52			peak	391	353
2 *	5702.144	81.97	4.67	86.64			AVG	391	353
3	5726.192	60.80	4.69	65.49	68.20	-2.71	peak	391	353
4	5726.192	40.52	4.69	45.21	54.00	-8.79	AVG	391	353

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



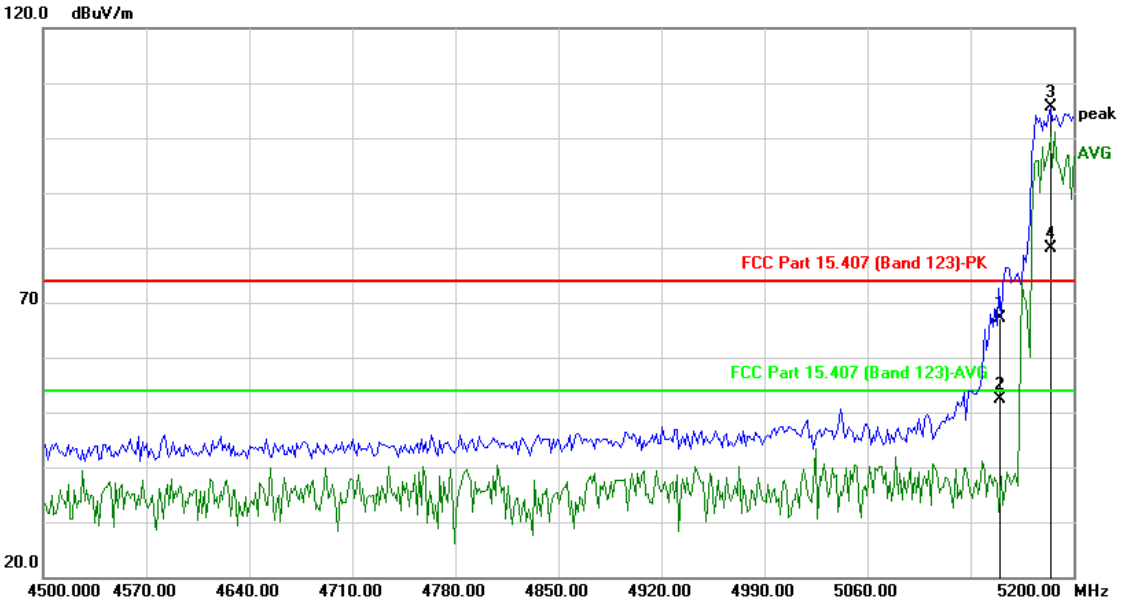
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5146.693	59.23	5.04	64.27	74.00	-9.73	peak	373	259
2	5146.693	40.08	5.04	45.12	54.00	-8.88	AVG	373	259
3 *	5195.792	95.47	6.64	102.11			peak	373	259
4 *	5195.792	69.86	6.64	76.50			AVG	373	259

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



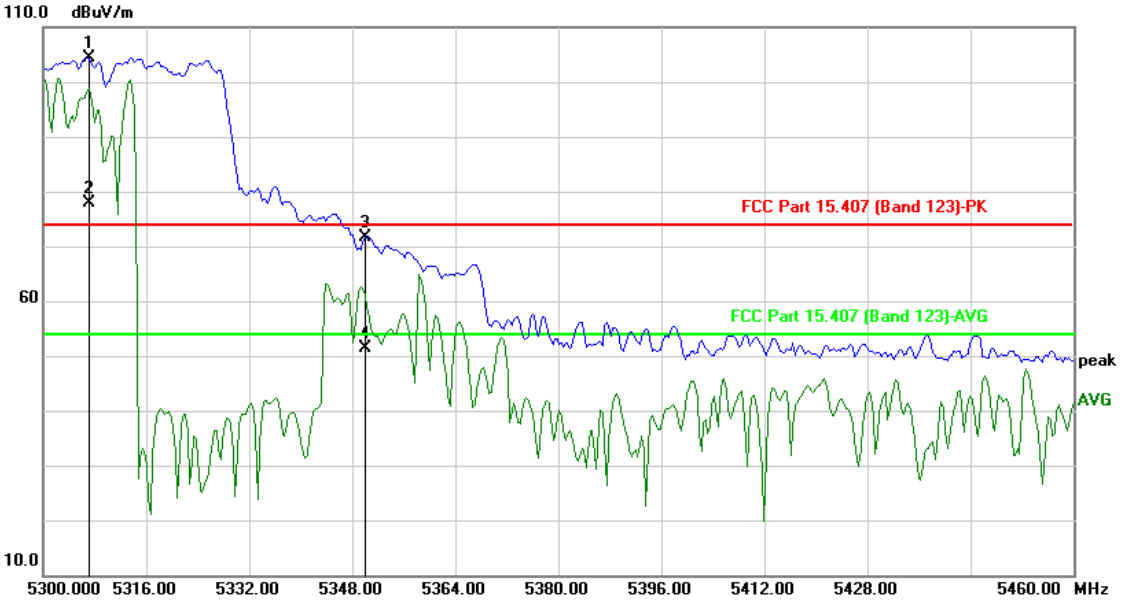
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	61.91	5.15	67.06	74.00	-6.94	peak	390	230
2	5150.000	47.32	5.15	52.47	54.00	-1.53	AVG	390	230
3 *	5184.569	99.29	6.28	105.57			peak	390	230
4 *	5184.569	73.64	6.28	79.92			AVG	390	230

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH62
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



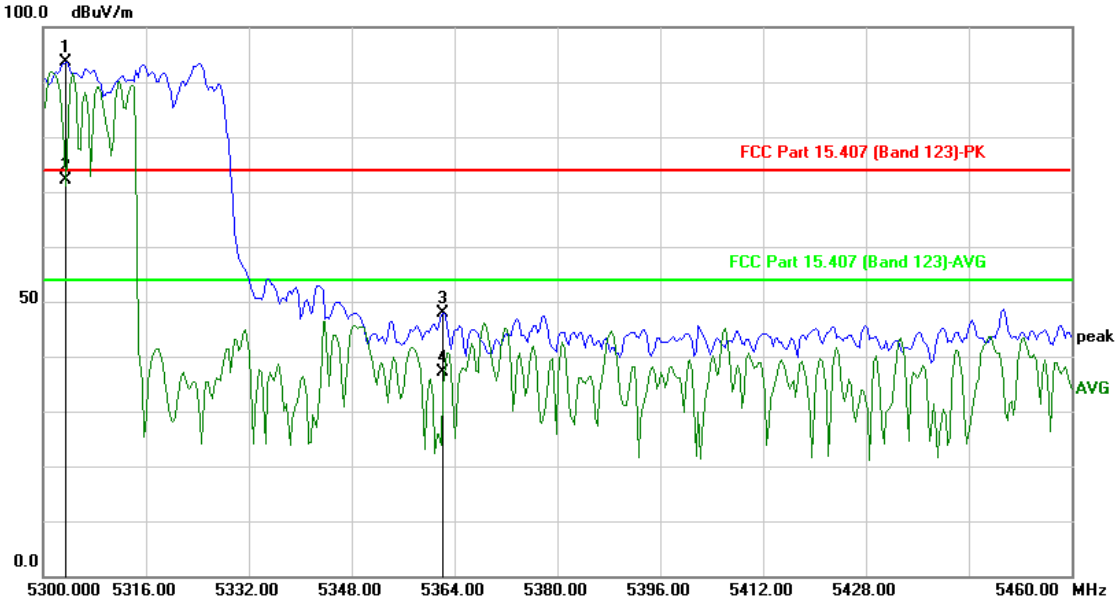
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5307.054	100.46	4.03	104.49			peak	390	302
2 *	5307.054	73.96	4.03	77.99			AVG	390	302
3	5350.000	67.58	4.15	71.73	74.00	-2.27	peak	390	302
4	5350.000	47.11	4.15	51.26	54.00	-2.74	AVG	390	302

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH62
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



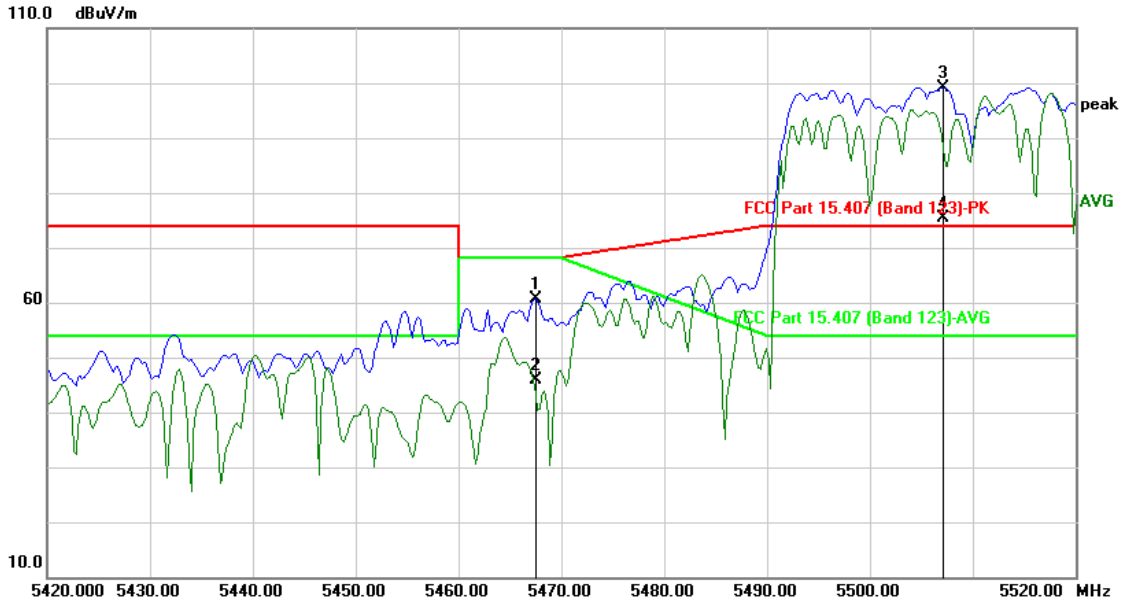
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5303.527	89.47	4.04	93.51			peak	294	315
2 *	5303.527	68.12	4.04	72.16			AVG	294	315
3	5362.204	43.73	4.18	47.91	74.00	-26.09	peak	294	315
4	5362.204	32.95	4.18	37.13	54.00	-16.87	AVG	294	315

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH102
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



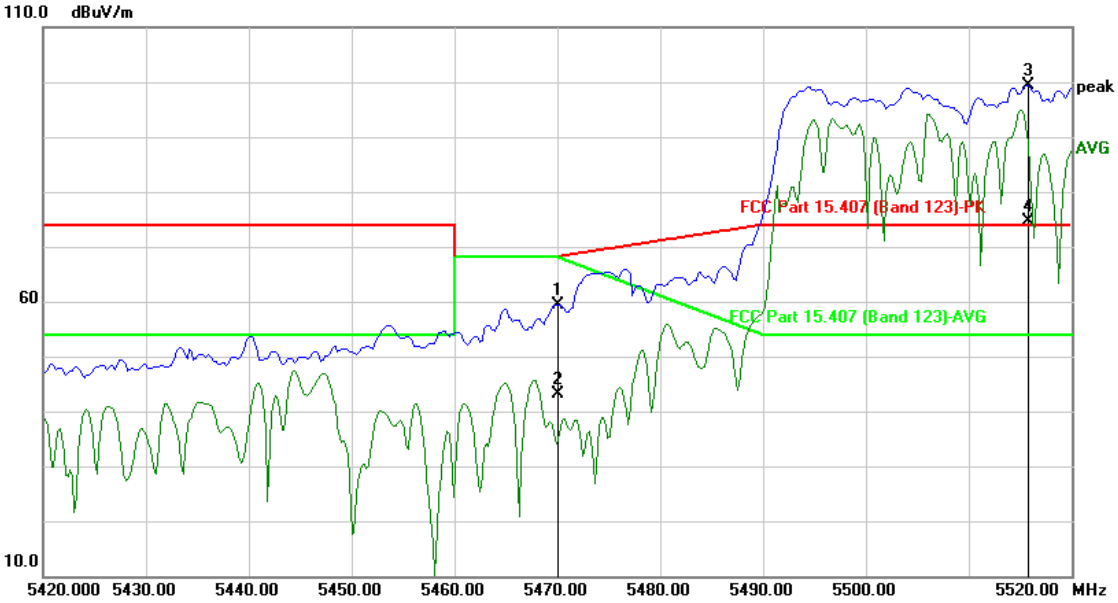
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5467.495	56.15	4.43	60.58	68.20	-7.62	peak	391	300
2	5467.495	41.57	4.43	46.00	68.20	-22.20	AVG	391	300
3 *	5507.174	94.63	4.51	99.14			peak	391	300
4 *	5507.174	70.93	4.51	75.44			AVG	391	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH102
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



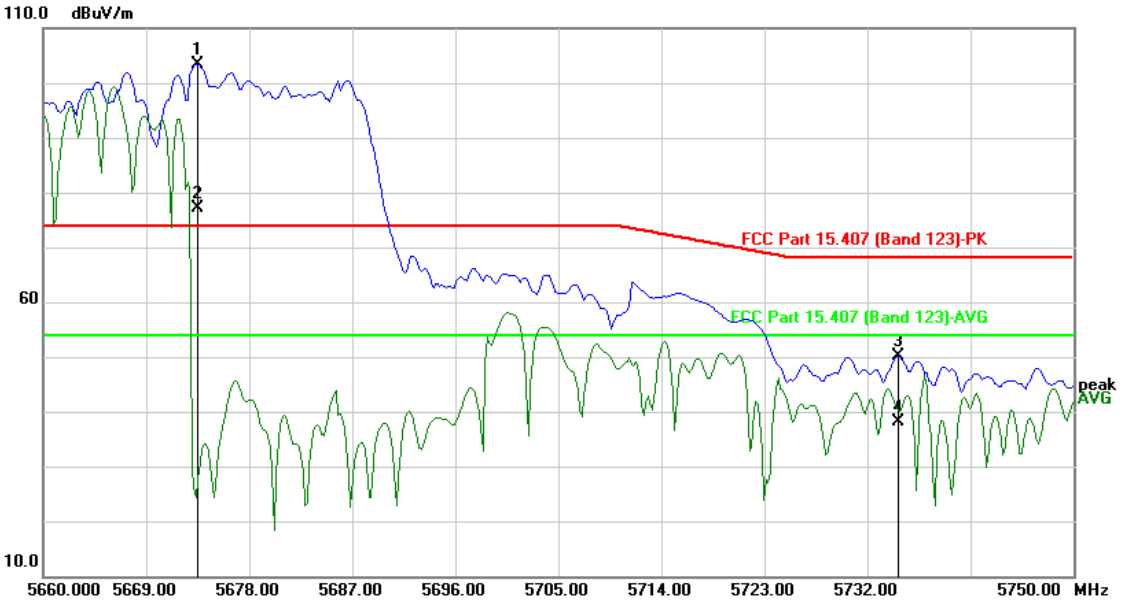
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5470.000	55.06	4.44	59.50	68.20	-8.70	peak	133	299
2	5470.000	38.66	4.44	43.10	54.00	-10.90	AVG	133	299
3 *	5515.792	94.85	4.53	99.38			peak	133	299
4 *	5515.792	70.04	4.53	74.57			AVG	133	299

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH134
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



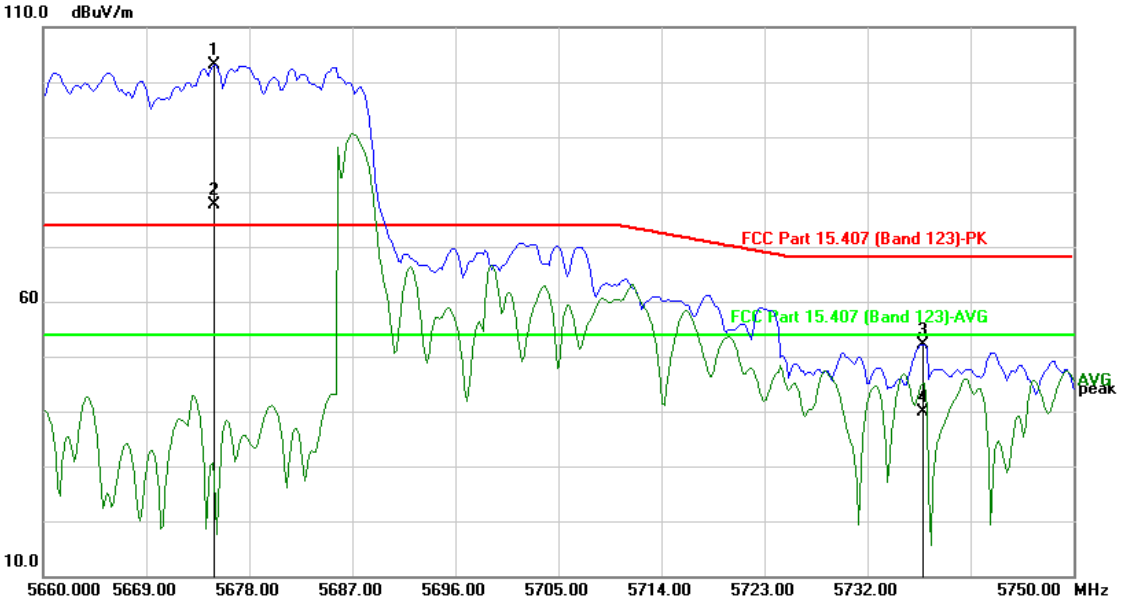
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5673.527	98.77	4.64	103.41			peak	390	300
2 *	5673.527	72.40	4.64	77.04			AVG	390	300
3	5734.669	45.49	4.69	50.18	68.20	-18.02	peak	390	300
4	5734.669	33.53	4.69	38.22	54.00	-15.78	AVG	390	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH134
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

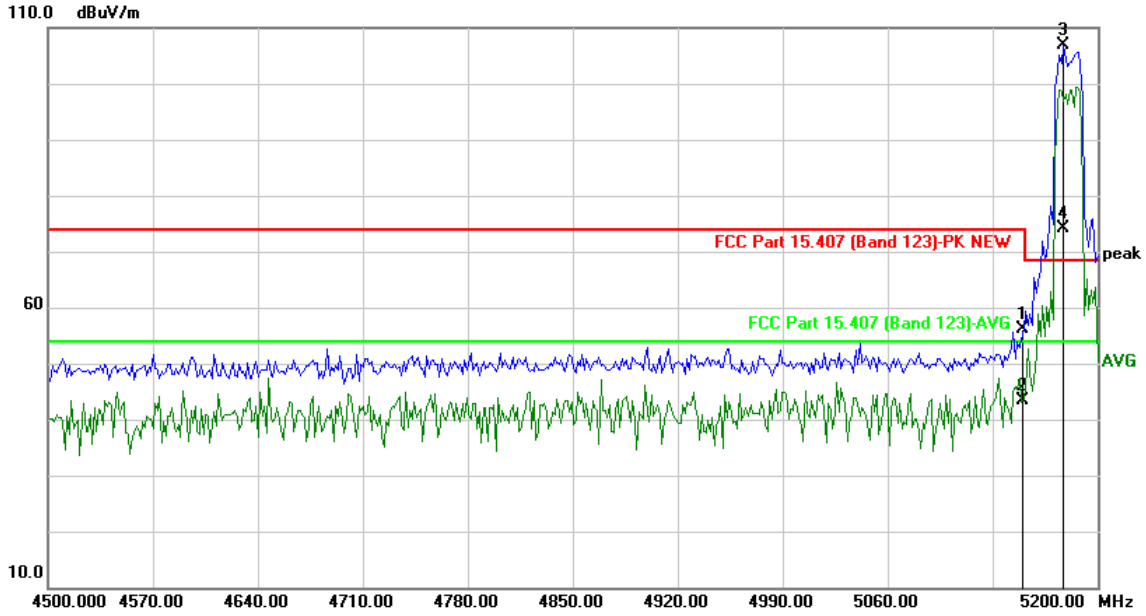
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	5674.970	98.40	4.64	103.04			peak	384	352
2 *	5674.970	73.02	4.64	77.66			AVG	384	352
3	5736.834	47.44	4.70	52.14	68.20	-16.06	peak	384	352
4	5736.834	35.16	4.70	39.86	54.00	-14.14	AVG	384	352

Wi-Fi Module1: (model: 8812CU)

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



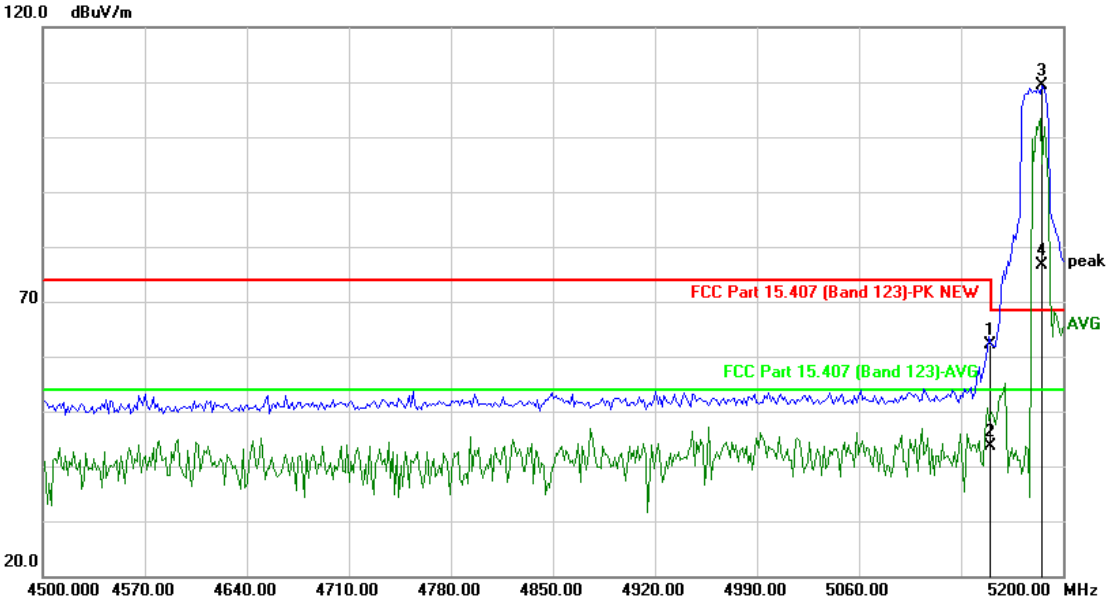
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	50.62	5.45	56.07	74.00	-17.93	peak	334	65
2	5150.000	37.85	5.45	43.30	54.00	-10.70	AVG	334	65
3 *	5177.555	101.31	5.53	106.84			peak	334	65
4 *	5177.555	68.50	5.53	74.03			AVG	334	65

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11a_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



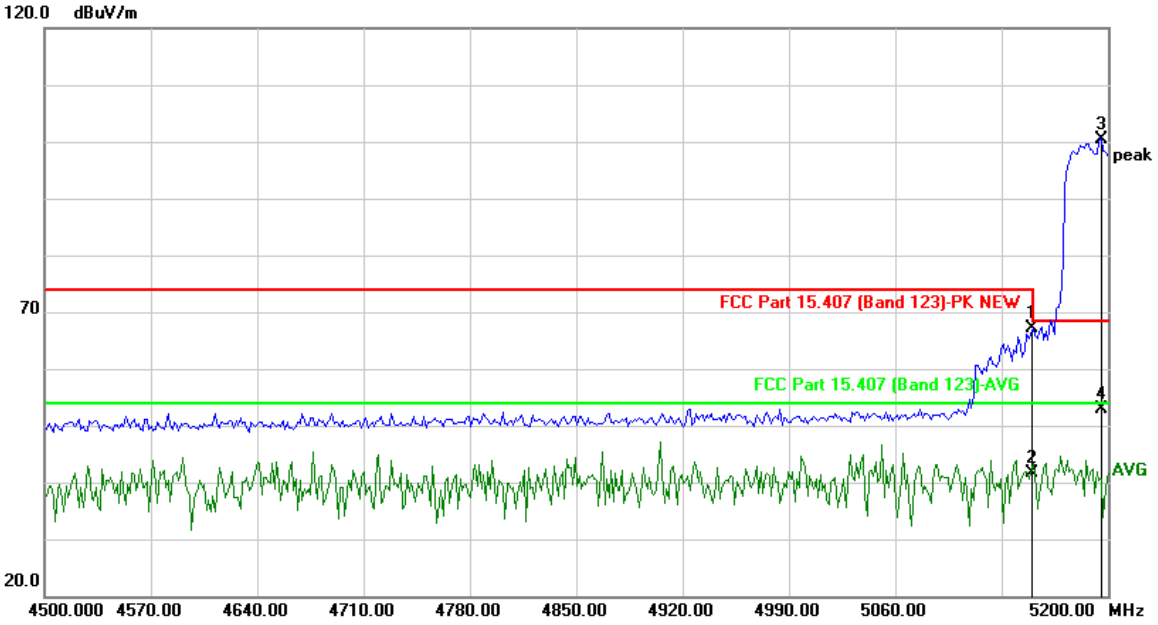
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	56.79	5.45	62.24	74.00	-11.76	peak	342	61
2	5150.000	38.23	5.45	43.68	54.00	-10.32	AVG	342	61
3 *	5185.972	103.77	5.56	109.33			peak	342	61
4 *	5185.972	70.99	5.56	76.55			AVG	342	61

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



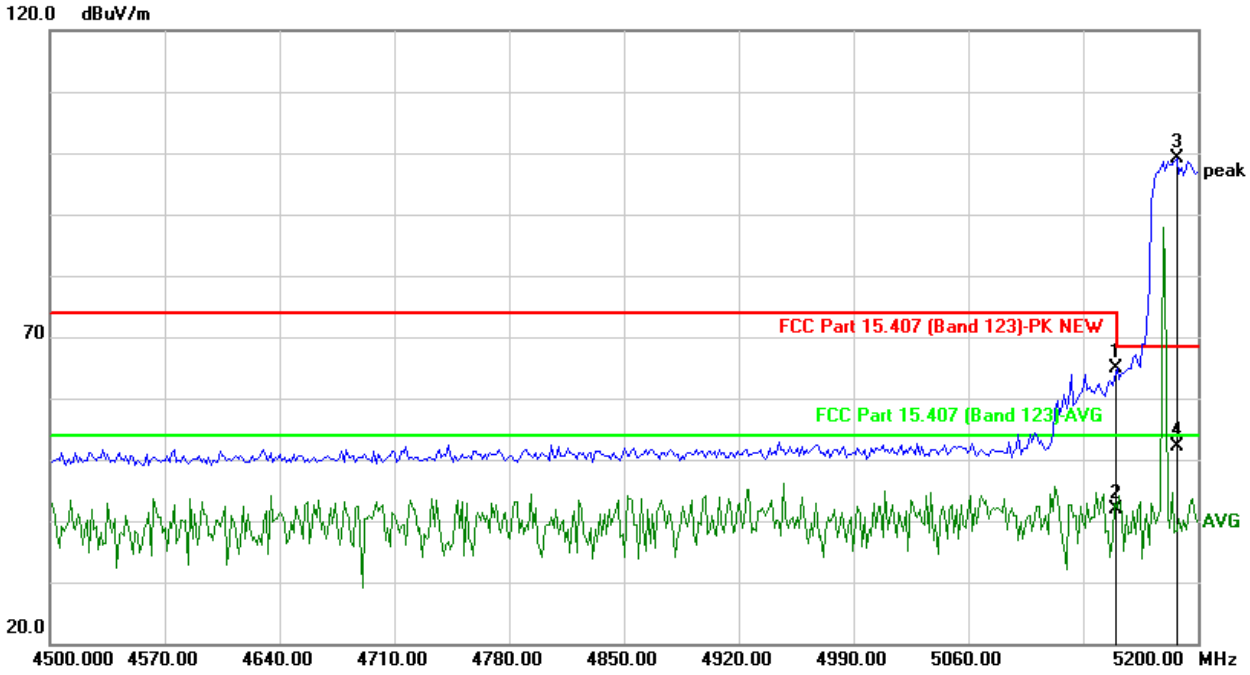
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	61.76	5.45	67.21	74.00	-6.79	peak	321	54
2	5150.000	36.28	5.45	41.73	54.00	-12.27	AVG	321	54
3 *	5195.792	94.91	5.59	100.50			peak	321	54
4 *	5195.792	47.25	5.59	52.84			AVG	321	54

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11ac80_CH42
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



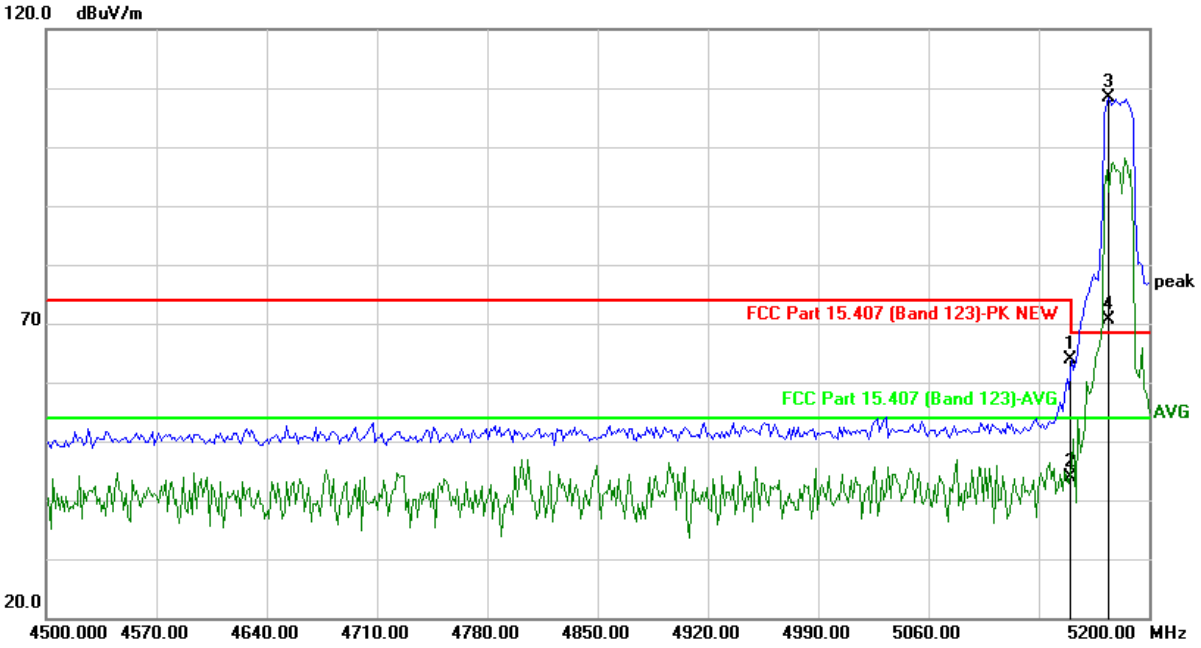
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	59.35	5.45	64.80	74.00	-9.20	peak	338	57
2	5150.000	36.34	5.45	41.79	54.00	-12.21	AVG	338	57
3 *	5187.375	93.49	5.56	99.05			peak	338	57
4 *	5187.375	46.66	5.56	52.22			AVG	338	57

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



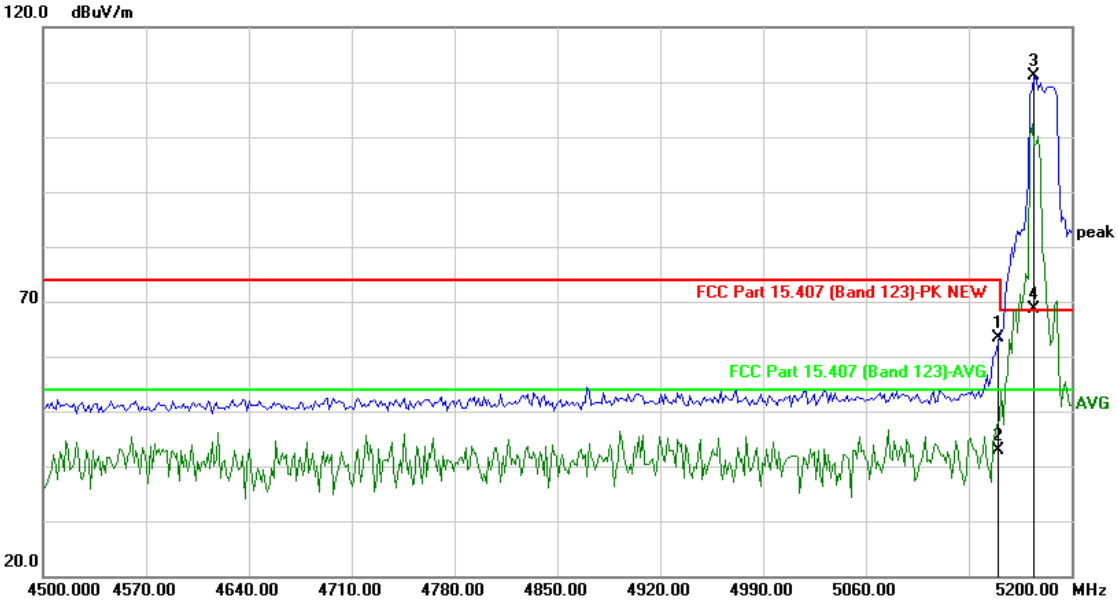
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	58.37	5.45	63.82	74.00	-10.18	peak	331	63
2	5150.000	38.42	5.45	43.87	54.00	-10.13	AVG	331	63
3 *	5174.749	102.73	5.53	108.26			peak	331	63
4 *	5174.749	65.03	5.53	70.56			AVG	331	63

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n20_CH36
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



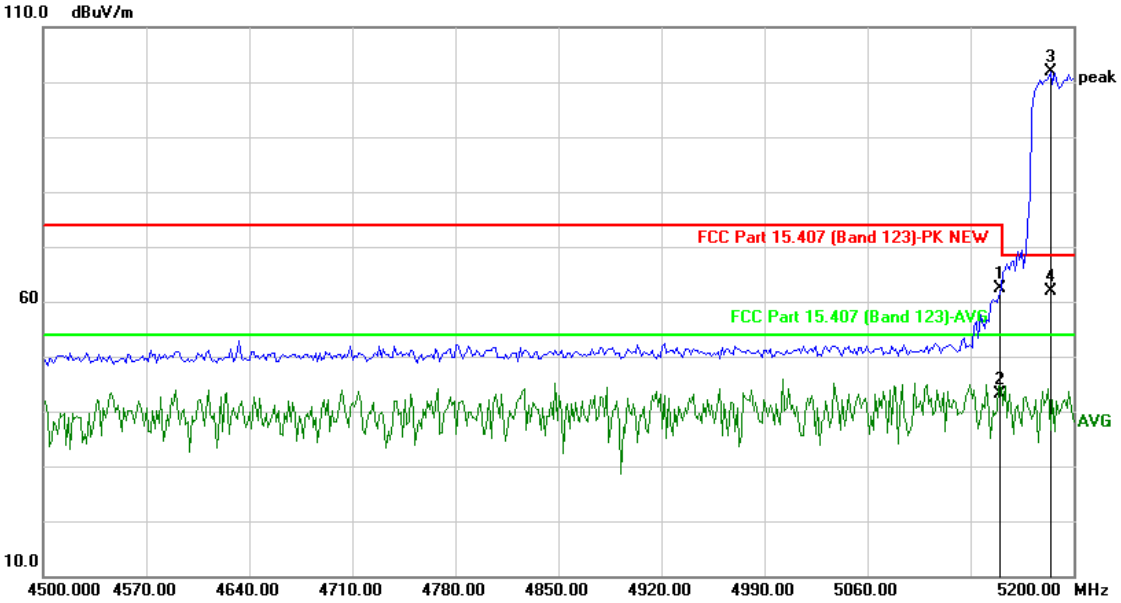
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	57.82	5.45	63.27	74.00	-10.73	peak	349	56
2	5150.000	37.31	5.45	42.76	54.00	-11.24	AVG	349	56
3 *	5174.749	105.61	5.53	111.14			peak	349	56
4 *	5174.749	62.98	5.53	68.51			AVG	349	56

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



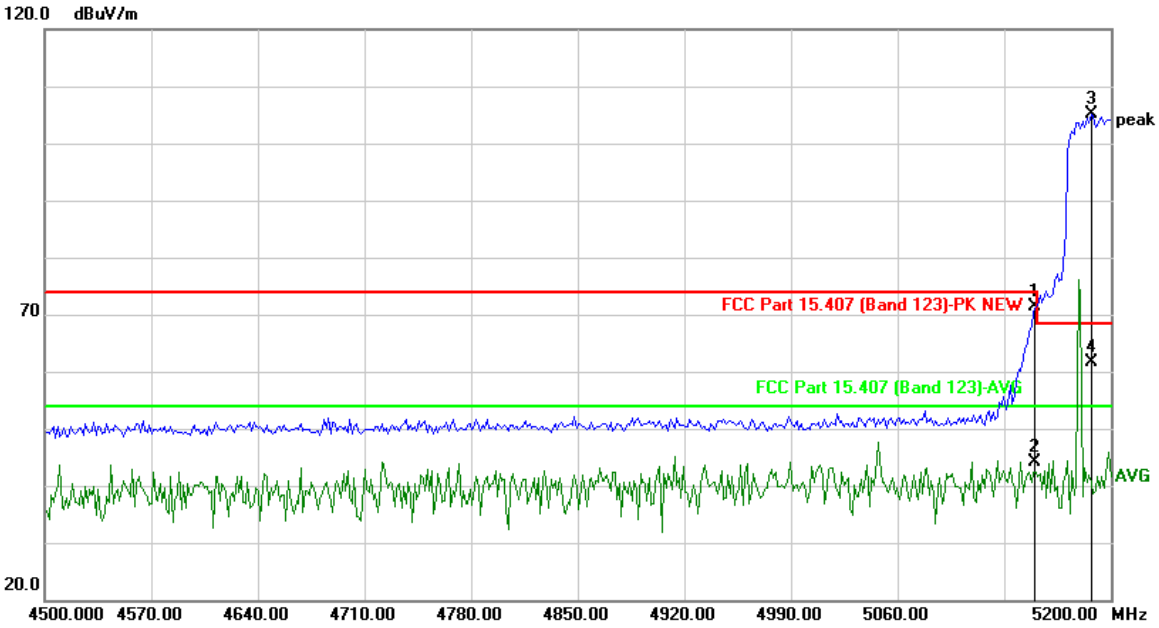
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	56.91	5.45	62.36	74.00	-11.64	peak	318	60
2	5150.000	37.77	5.45	43.22	54.00	-10.78	AVG	318	60
3 *	5184.569	96.27	5.56	101.83			peak	318	60
4 *	5184.569	56.33	5.56	61.89			AVG	318	60

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5G_11n40_CH38
Test Voltage:	AC 120V/50HZ
Remark:	Temp 24 Humi:47%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	5150.000	65.99	5.45	71.44	74.00	-2.56	peak	296	63
2	5150.000	38.70	5.45	44.15	54.00	-9.85	AVG	296	63
3 *	5187.375	99.58	5.56	105.14			peak	296	63
4 *	5187.375	56.08	5.56	61.64			AVG	296	63

6. Frequency Stability

Wi-Fi Module 1 (model: nxp8997)

Test Mode：802.11a Mode					
Frequency (MHz)	Voltage (Vac)	Temperature (℃)	Measurement Frequency (MHz)	Frequency deviation (MHz)	ppm
5180	120	0	5179.885	0.115	22.20127
		10	5179.886	0.114	22.00821
		20	5179.887	0.113	21.81515
		30	5179.881	0.119	22.97350
		40	5179.882	0.118	22.78044
	108	25	5179.884	0.116	22.39432
	132	25	5179.885	0.115	22.20127

Test Mode：802.11a Mode					
Frequency (MHz)	Voltage (Vac)	Temperature (℃)	Measurement Frequency (MHz)	Frequency deviation (MHz)	ppm
5260	120	0	5319.884	0.116	21.80499
		10	5319.882	0.118	22.18094
		20	5319.883	0.117	21.99296
		30	5319.887	0.113	21.24105
		40	5319.878	0.122	22.93286
	108	25	5319.880	0.120	22.55690
	132	25	5319.881	0.119	22.36892

Test Mode：802.11a Mode					
Frequency (MHz)	Voltage (Vac)	Temperature (℃)	Measurement Frequency (MHz)	Frequency deviation (MHz)	ppm
5500	120	0	5499.885	0.115	20.90953
		10	5499.887	0.113	20.54588
		20	5499.883	0.117	21.27318
		30	5499.882	0.118	21.45501
		40	5499.881	0.119	21.63683
	108	25	5499.876	0.124	22.54596
	132	25	5499.877	0.123	22.36414

Test Mode：802.11a Mode					
Frequency (MHz)	Voltage (Vac)	Temperature (℃)	Measurement Frequency (MHz)	Frequency deviation (MHz)	ppm
5700	120	0	5824.872	0.128	21.97473
		10	5824.872	0.128	21.97473
		20	5824.873	0.127	21.80305
		30	5824.873	0.127	21.80305
		40	5824.875	0.125	21.45969
	108	25	5824.876	0.124	21.28801
	132	25	5824.875	0.125	21.45969

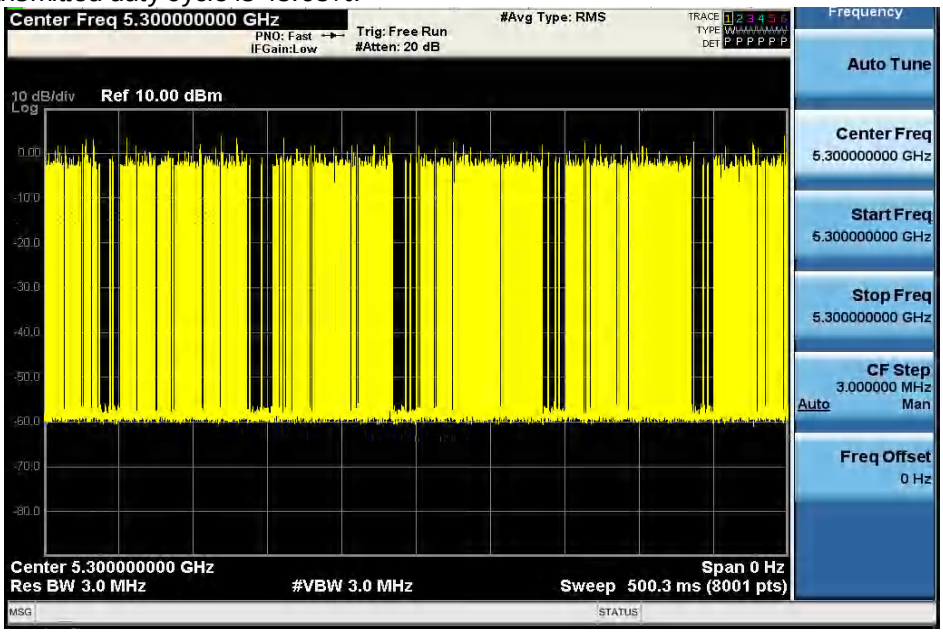
Wi-Fi Module 2 (model: 8812CU)

Test Mode：802.11a Mode					
Frequency (MHz)	Voltage (Vac)	Temperature (℃)	Measurement Frequency (MHz)	Frequency deviation (MHz)	ppm
5180	120	0	5179.885	0.115	22.20127
		10	5179.886	0.114	22.00821
		20	5179.887	0.113	21.81515
		30	5179.881	0.119	22.97350
		40	5179.882	0.118	22.78044
	108	25	5179.884	0.116	22.39432
	132	25	5179.885	0.115	22.20127

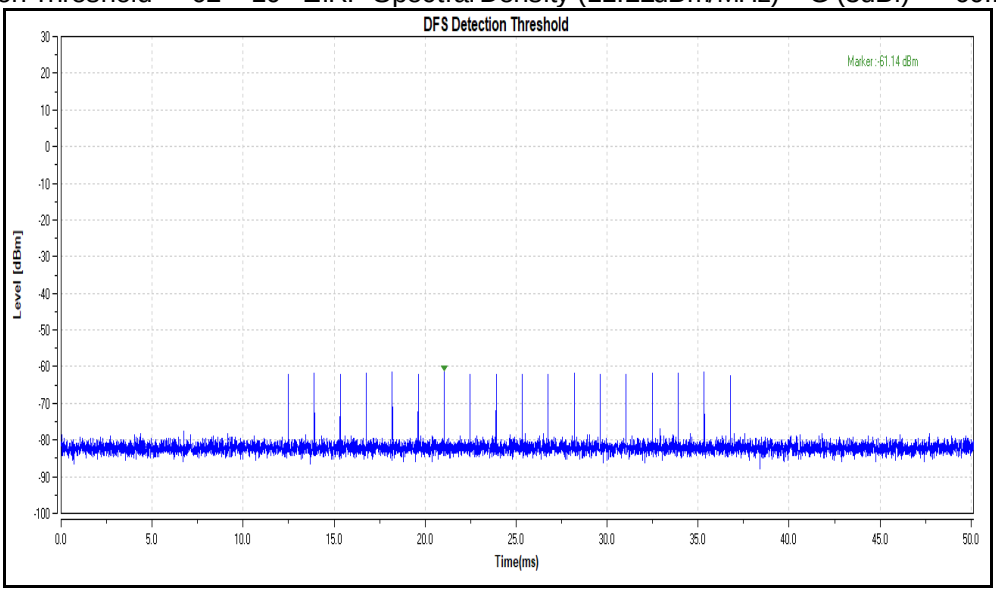
7. Dynamic Frequency Selection (DFS)

Wi-Fi Module 1 (model: nxp8997)

The measured channel is 5300MHz and 5500MHz in 20MHz Bandwidth and 5310MHz and 5510MHz in 40MHz Bandwidth. The radar signal was the same as transmitted channels, and injected into the antenna port of AP (master) with radar signal, measured the channel shutdown. The slave transmitted the test data to master, the transmitted duty cycle is 43.63%.

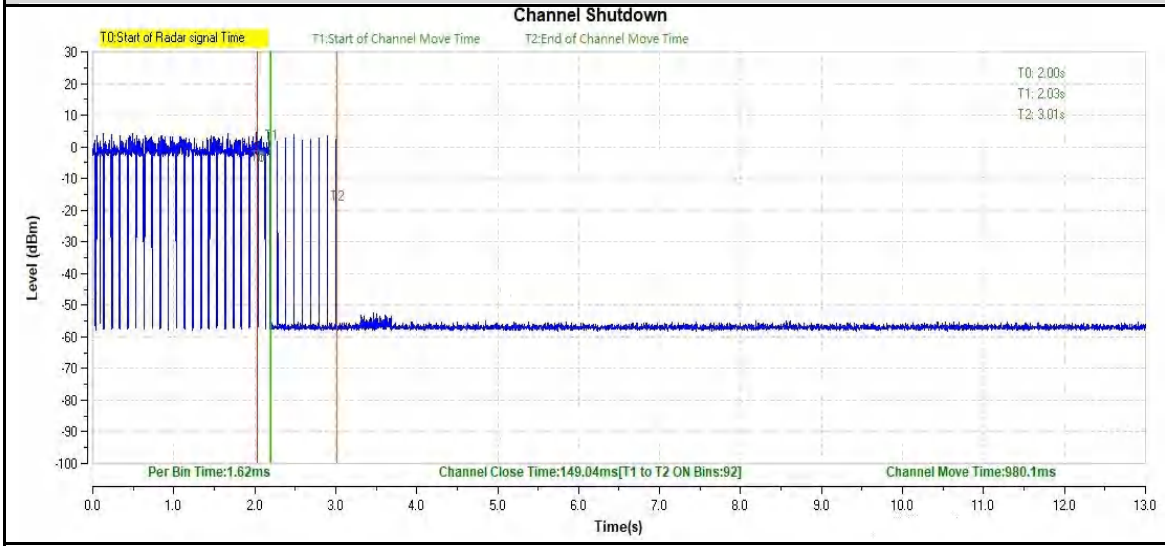


The AP Maximum EIRP Spectral Density is 11.22dBm/MHz and antenna gain is 3dBi.
DFS Detection Threshold = -62 + 10 - EIRP Spectral Density (11.22dBm/MHz) + G (3dBi) = –60.22dBm



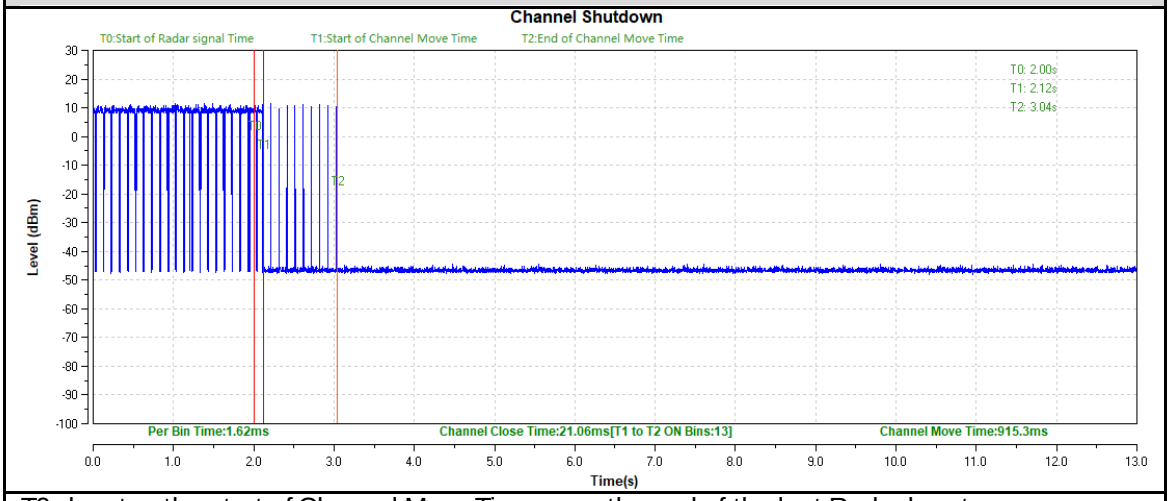
Channel Shutdownd

802.11a CH60



T0 denotes the start of Channel Move Time upon the end of the last Radar burst.
T1 denotes the data transmissions complete time. T2 denotes the end of Channel Move Time.

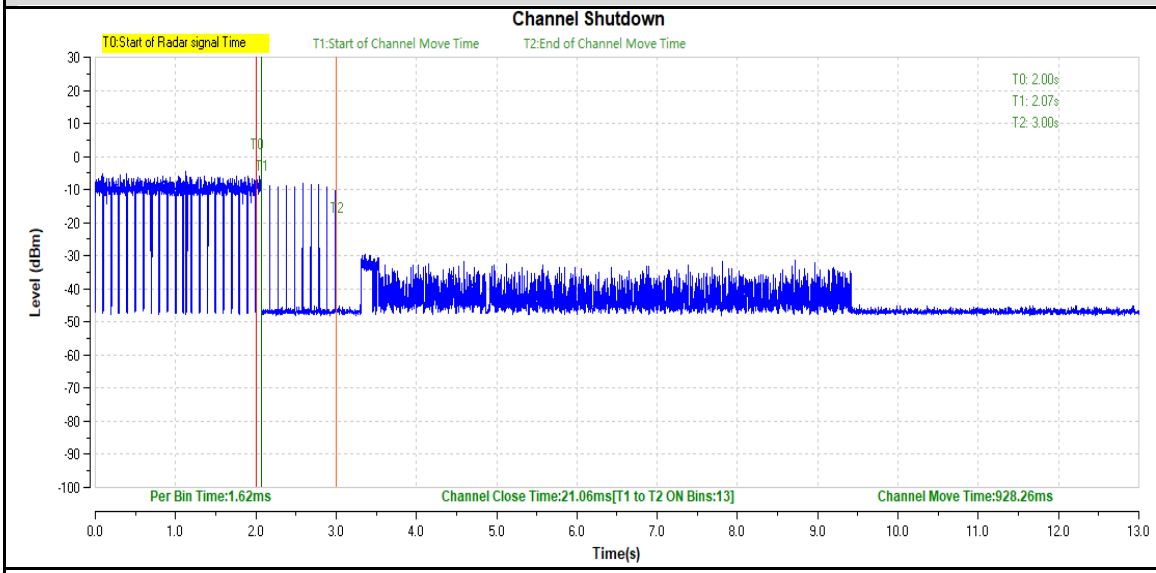
802.11a CH100



T0 denotes the start of Channel Move Time upon the end of the last Radar burst.
T1 denotes the data transmissions complete time. T2 denotes the end of Channel Move Time.

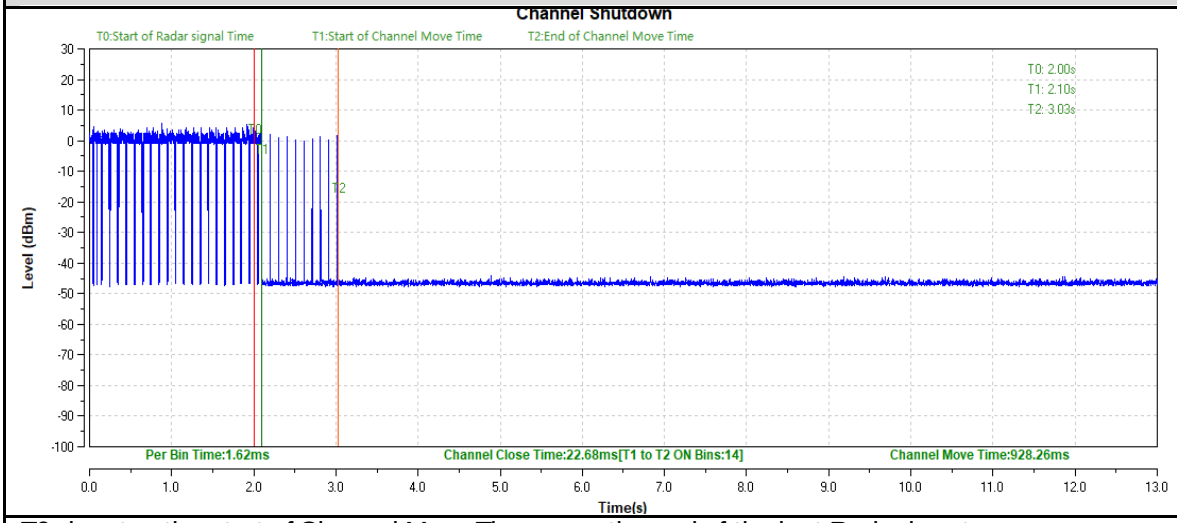
Channel Shutdownd

802.11ac 80 CH58



T0 denotes the start of Channel Move Time upon the end of the last Radar burst.
T1 denotes the data transmissions complete time. T2 denotes the end of Channel Move Time.

802.11 ac 80 CH122

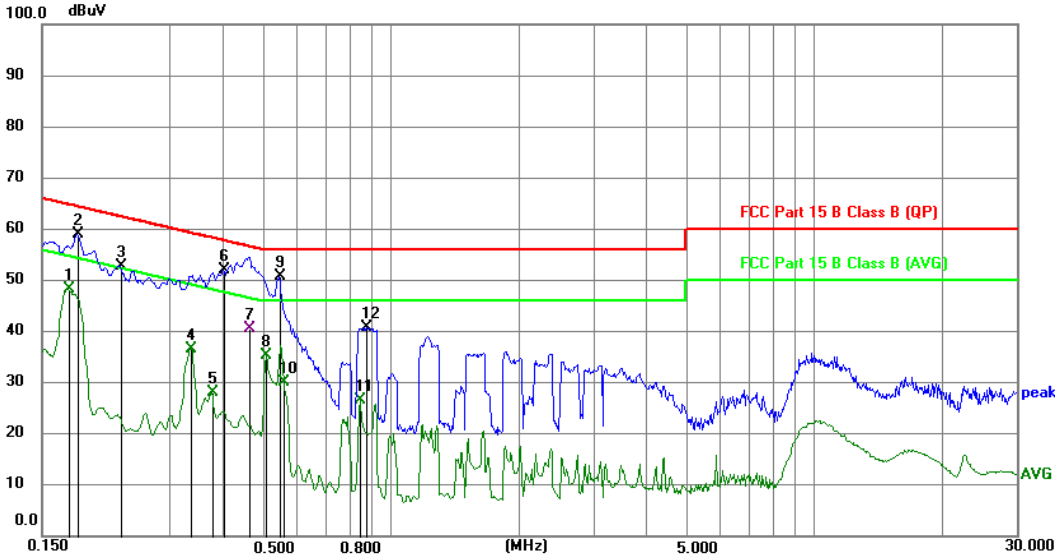


T0 denotes the start of Channel Move Time upon the end of the last Radar burst.
T1 denotes the data transmissions complete time. T2 denotes the end of Channel Move Time.

8. Test Results of Conducted Emission

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5GHz Link
Test Voltage:	AC120V/60Hz
Phase	L
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.407
Tested By:	Jim Xu
Reviewed By:	Tank Tan

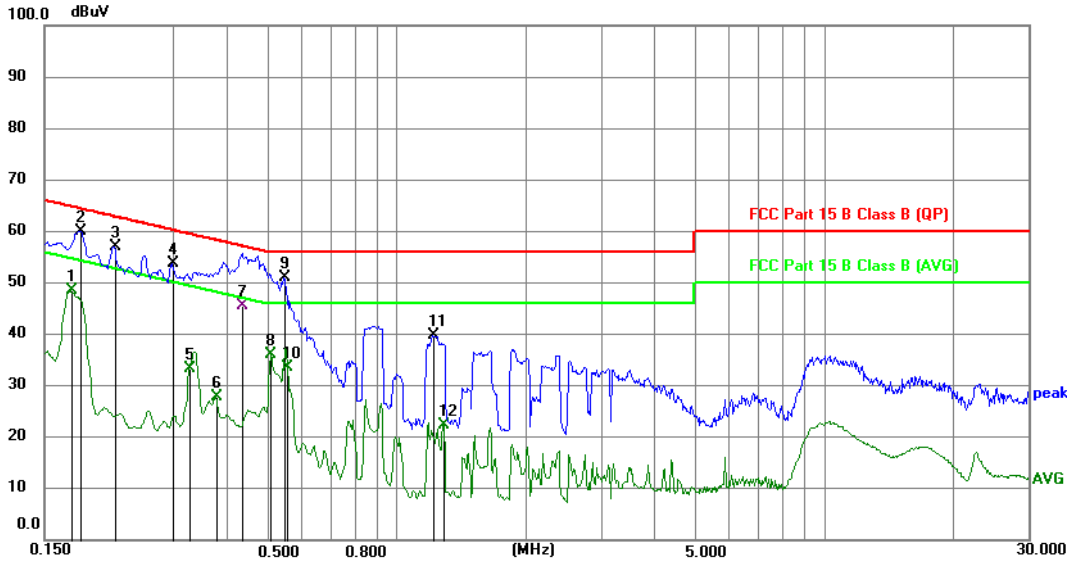


Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	0.1815	48.93	10.15	59.08	64.42	-5.34	peak
2	0.1725	38.18	10.16	48.34	54.84	-6.50	AVG
3	0.2288	42.50	10.16	52.66	62.49	-9.83	peak
4	0.3367	26.43	10.16	36.59	49.28	-12.69	AVG
5	0.4020	41.80	10.11	51.91	57.81	-5.90	peak
6	0.3772	17.86	10.13	27.99	48.34	-20.35	AVG
7	0.4630	30.50	10.11	40.61	56.64	-16.03	QP
8	0.5100	25.10	10.10	35.20	46.00	-10.80	AVG
9	0.5460	40.65	10.10	50.75	56.00	-5.25	peak
10	0.5595	19.91	10.10	30.01	46.00	-15.99	AVG
11	0.8767	30.73	10.06	40.79	56.00	-15.21	peak
12	0.8475	16.37	10.07	26.44	46.00	-19.56	AVG

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH75-MC410-B
Test Mode:	WIFI 5GHz Link
Test Voltage:	AC120V/60Hz
Phase	N
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan



Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	0.1815	49.87	10.15	60.02	64.42	-4.40	peak
2	0.1725	38.31	10.16	48.47	54.84	-6.37	AVG
3	0.2175	46.95	10.15	57.10	62.91	-5.81	peak
4	0.3277	23.11	10.15	33.26	49.51	-16.25	AVG
5	0.2985	43.45	10.18	53.63	60.28	-6.65	peak
6	0.3772	17.58	10.11	27.69	48.34	-20.65	AVG
7	0.4360	35.43	10.09	45.52	57.14	-11.62	QP
8	0.5100	25.83	10.11	35.94	46.00	-10.06	AVG
9	0.5460	40.91	10.11	51.02	56.00	-4.98	peak
10	0.5571	23.44	10.10	33.54	46.00	-12.46	AVG
11	1.2187	29.69	10.06	39.75	56.00	-16.25	peak
12	1.2885	12.28	10.06	22.34	46.00	-23.66	AVG