Wi-Fi 802.11 n(HT20) mode, MCS0

ANT 1	ANT 2

Wi-Fi 802.11 n(HT40) mode, MCS0

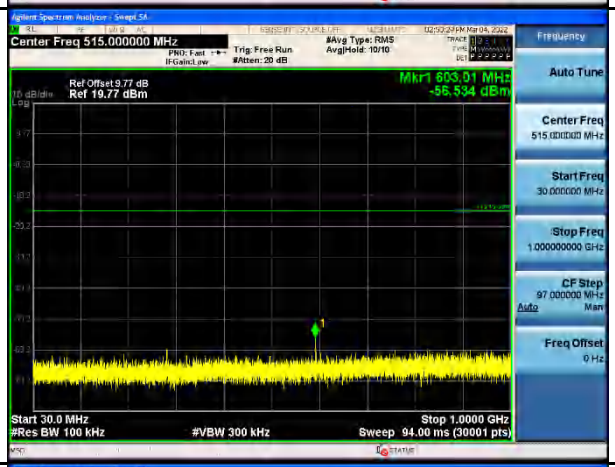
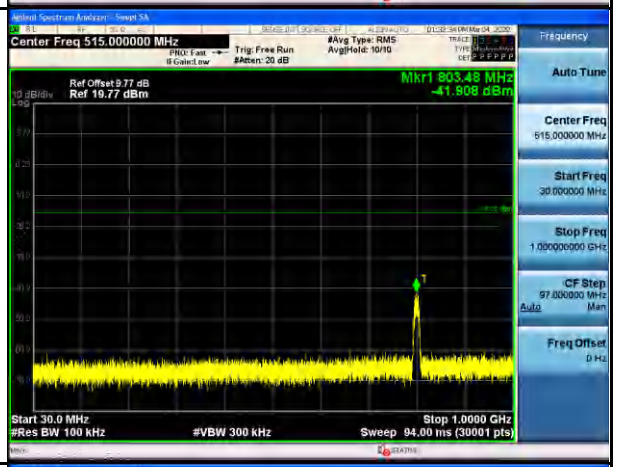
ANT 1	ANT 2

Appendix B.4: Test Results of Conducted Spurious Emissions Measured in 100 kHz Bandwidth

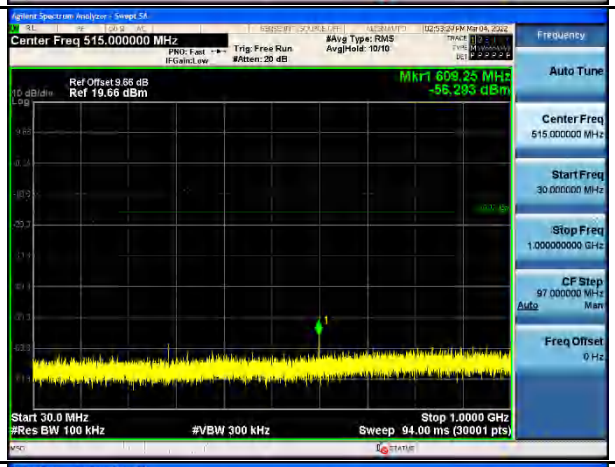
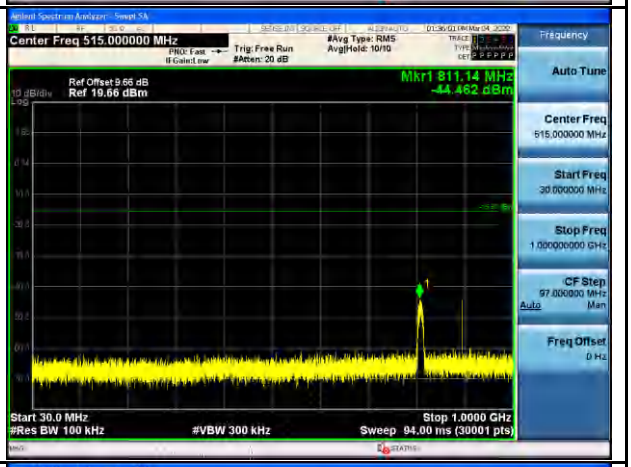
Wi-Fi Module 1 (model: nxp8997):

Wi-Fi 802.11 b mode, 1 Mbps

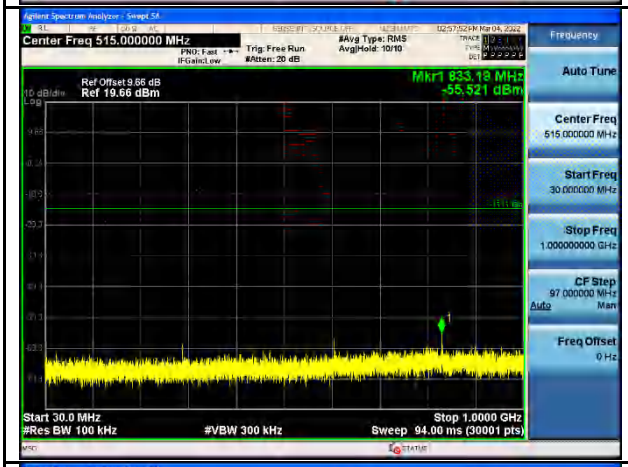
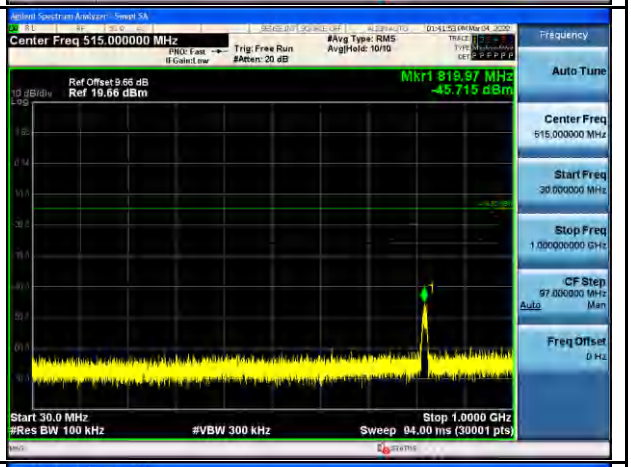
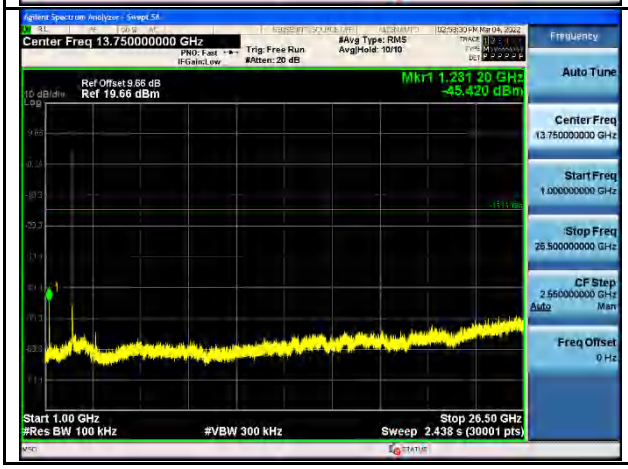
Low Channel:

ANT 1	ANT 2
	

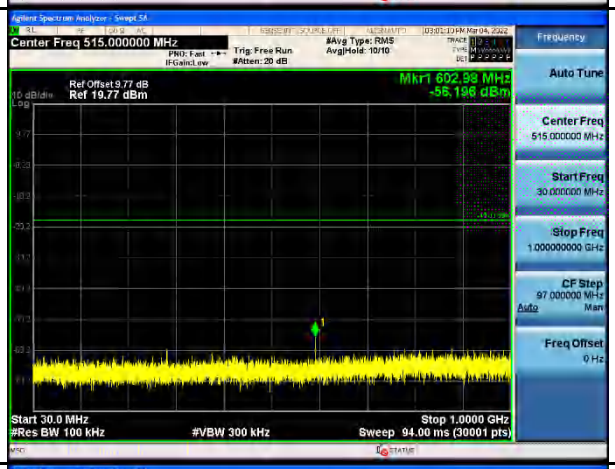
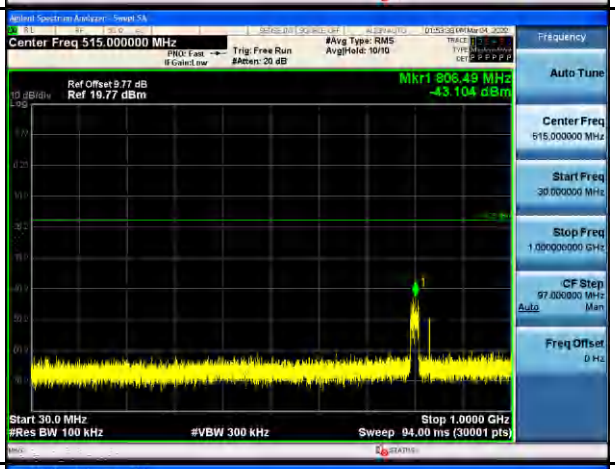
Middle Channel:

ANT 1	ANT 2
	

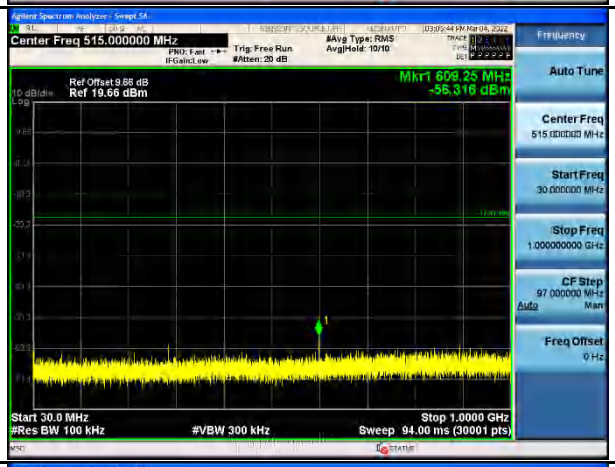
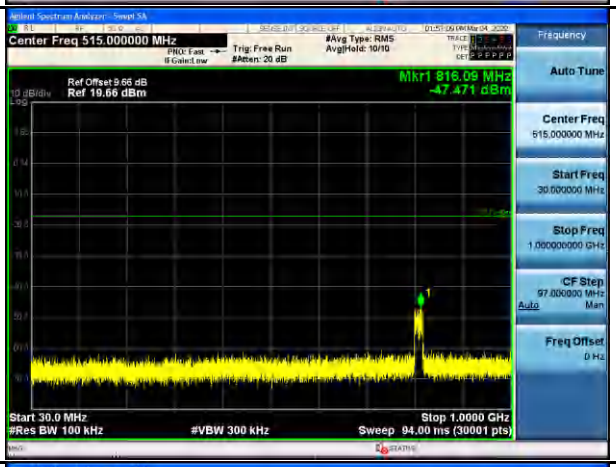
High Channel:

ANT 1	ANT 2
	
	

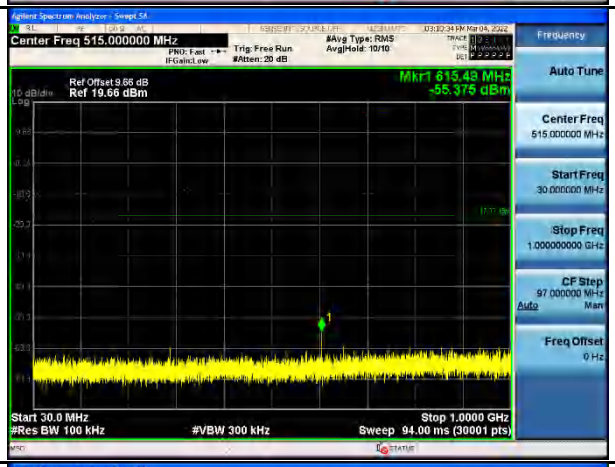
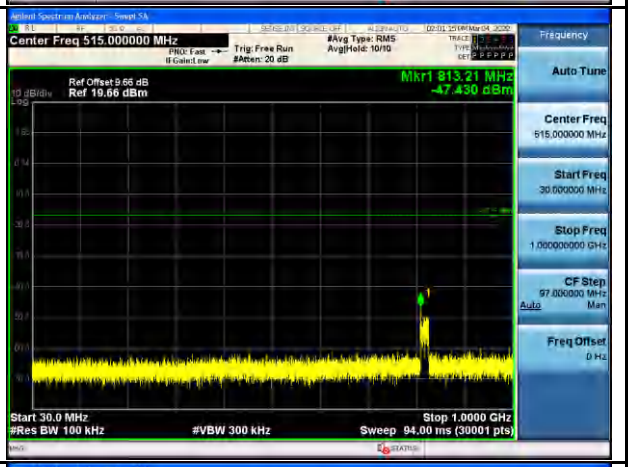
Wi-Fi 802.11 g mode, 6 Mbps
Low Channel:

ANT 1	ANT 2
	

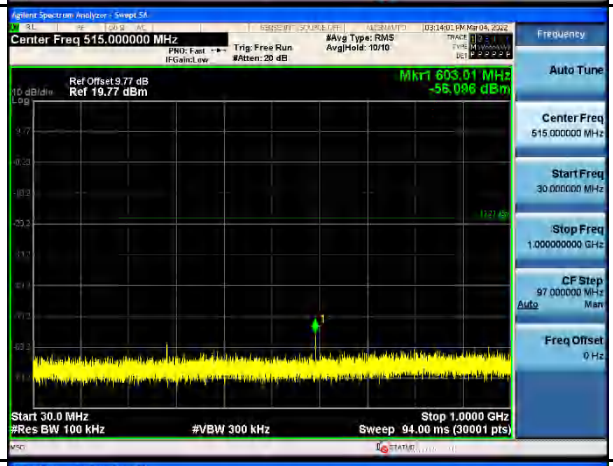
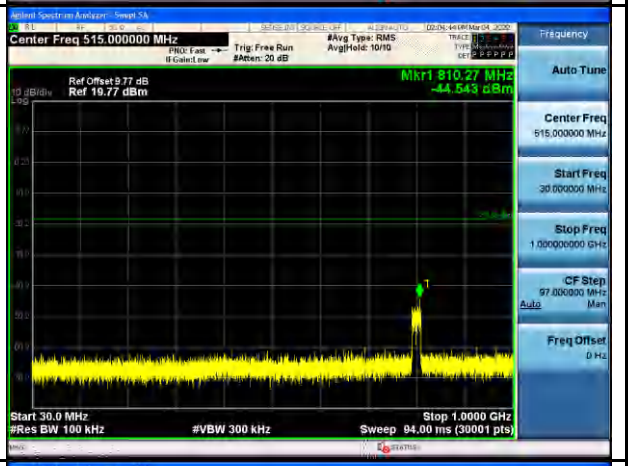
Middle Channel:

ANT 1	ANT 2
	

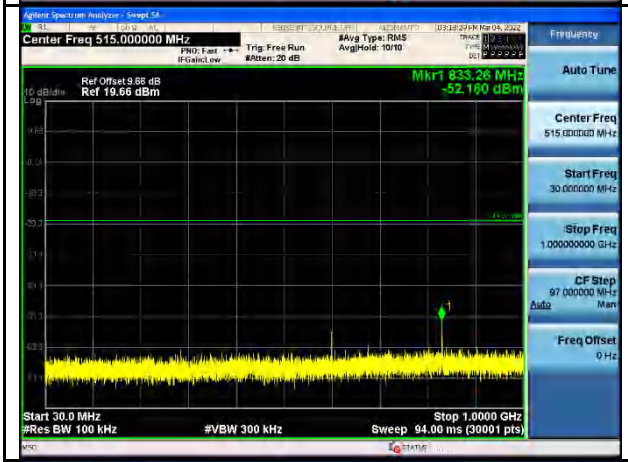
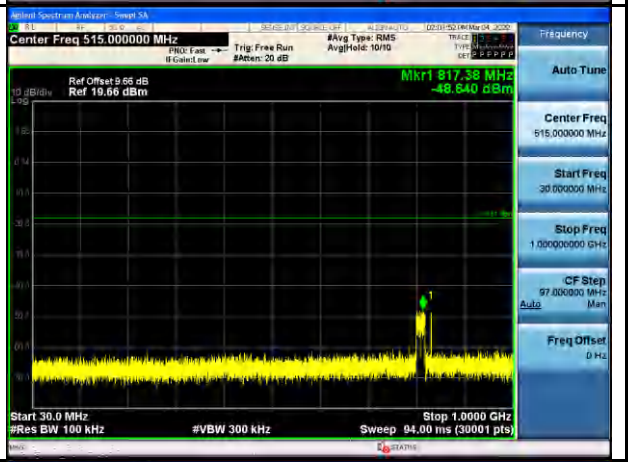
High Channel:

ANT 1	ANT 2
	

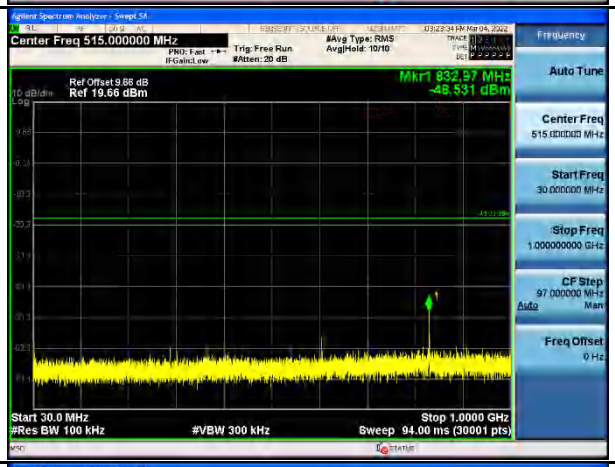
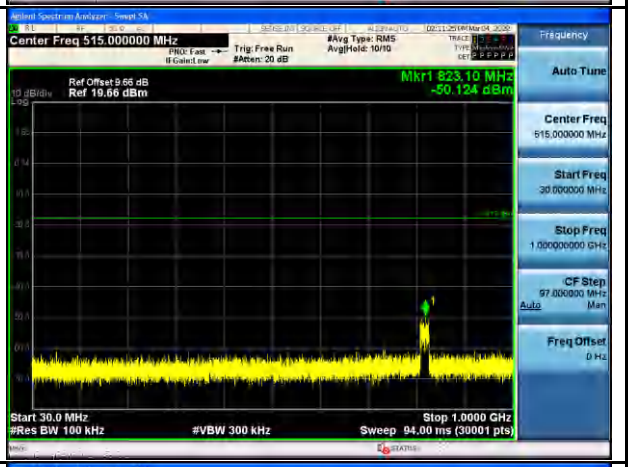
Wi-Fi 802.11 n(HT20) mode, MCS0
Low Channel:

ANT 1	ANT 2
	

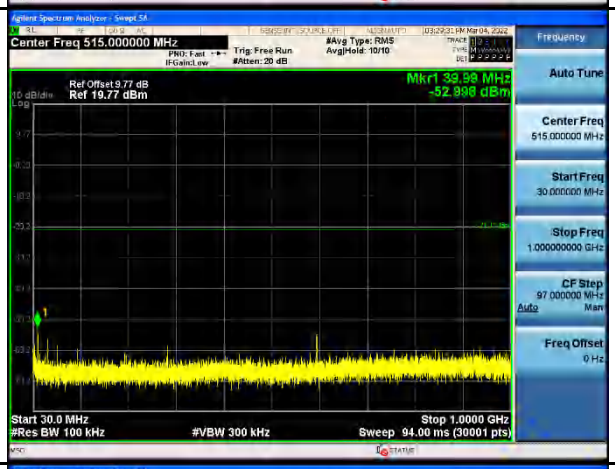
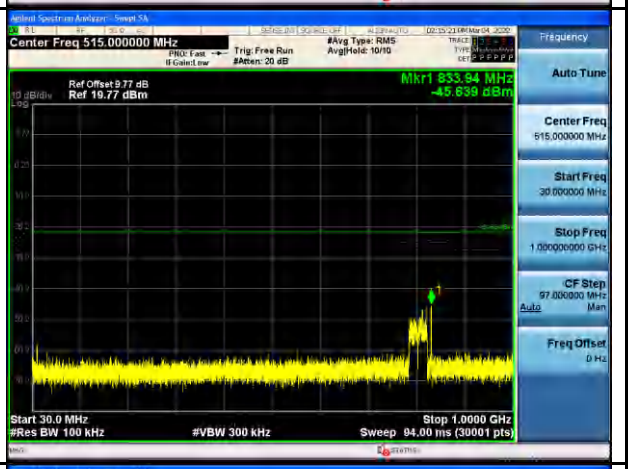
Middle Channel:

ANT 1	ANT 2
	

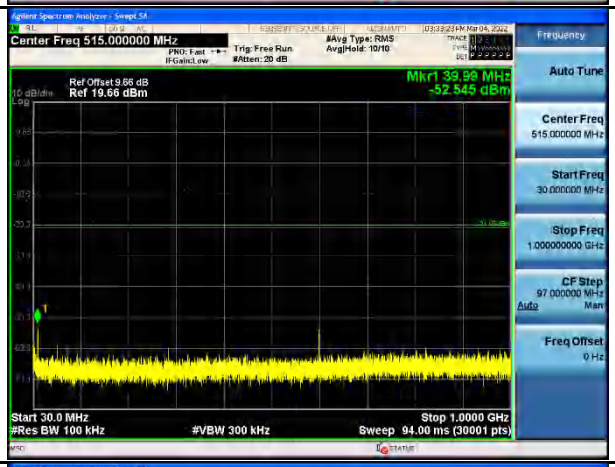
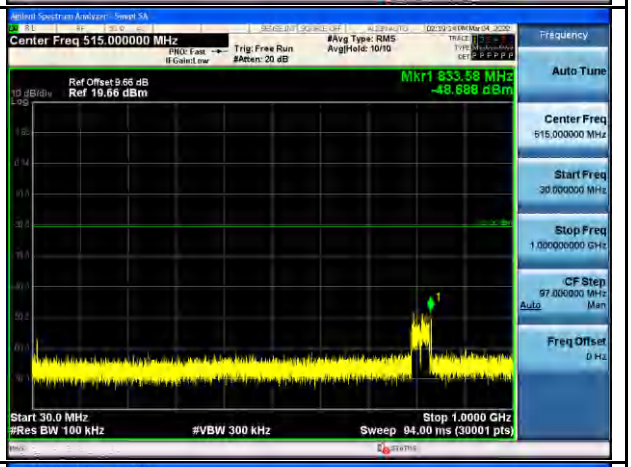
High Channel:

ANT 1	ANT 2
	

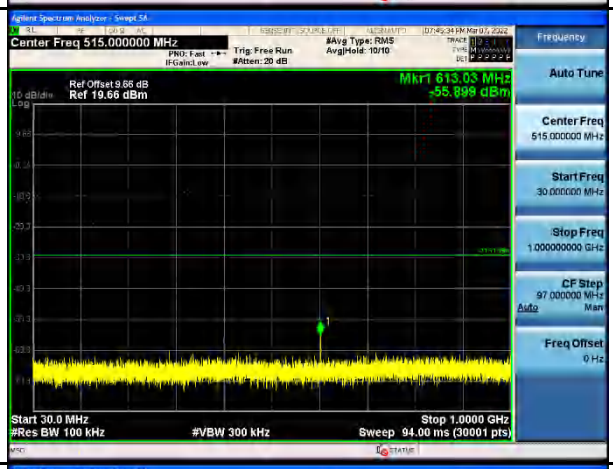
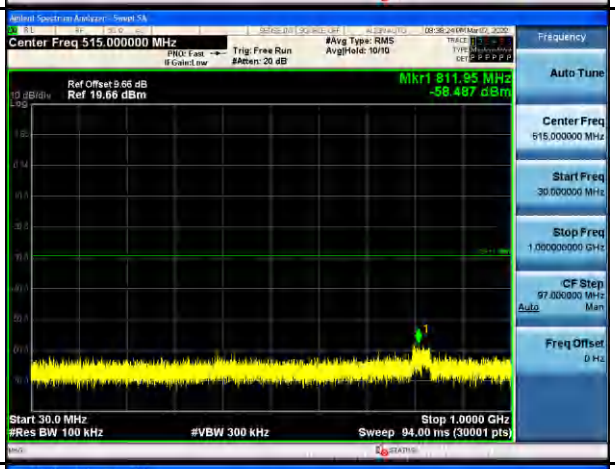
Wi-Fi 802.11 n(HT40) mode, MCS0
Low Channel:

ANT 1	ANT 2
	

Middle Channel:

ANT 1	ANT 2
	

High Channel:

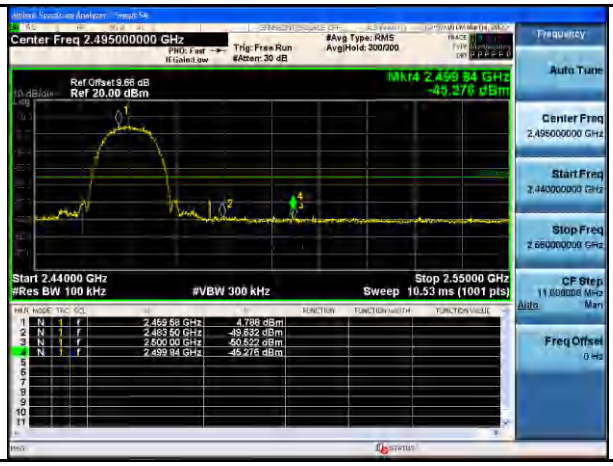
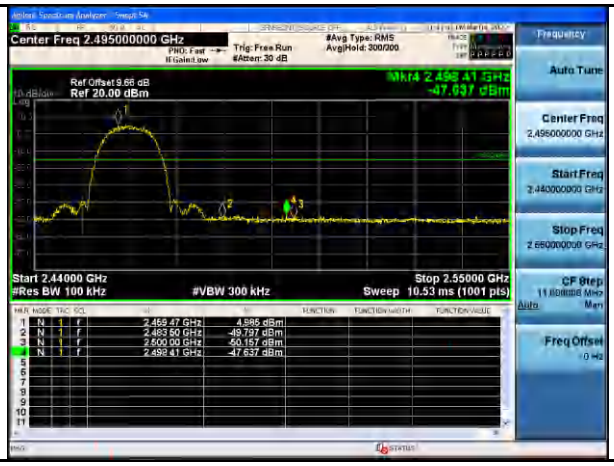
ANT 1	ANT 2
	

Wi-Fi 802.11 b mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2
	

Wi-Fi 802.11 g mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2

Wi-Fi 802.11 n(HT20) mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2

Wi-Fi 802.11 n(HT40) mode, Band Edge

Low Channel:

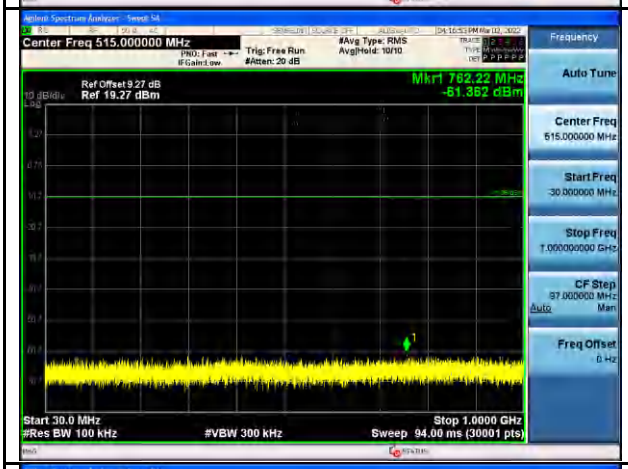
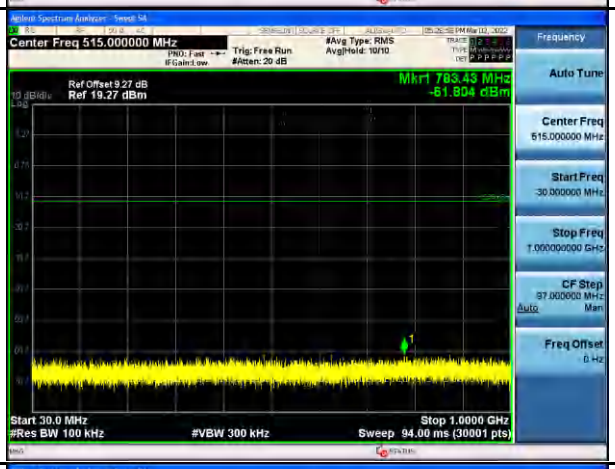
ANT 1	ANT 2

High Channel:

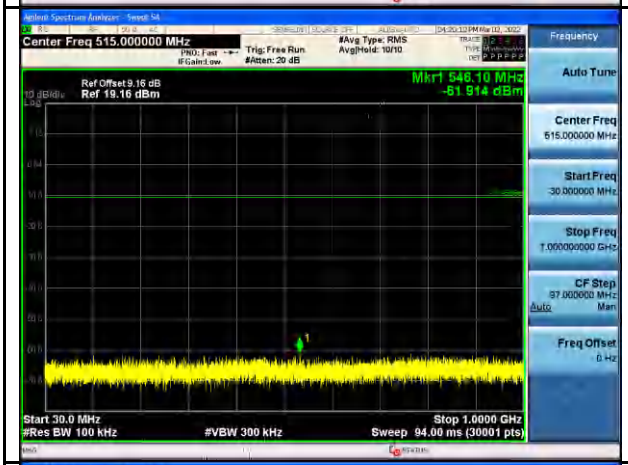
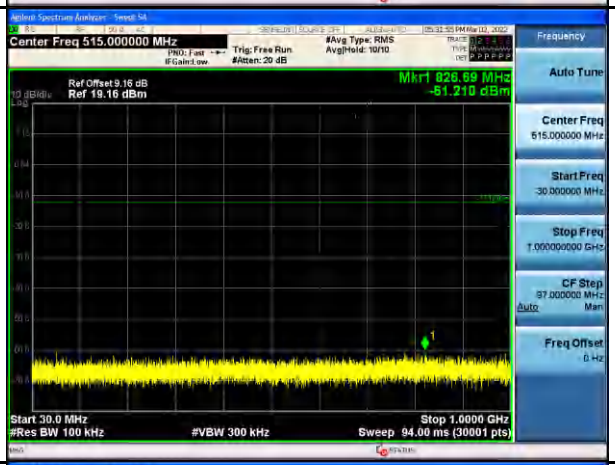
ANT 1	ANT 2

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

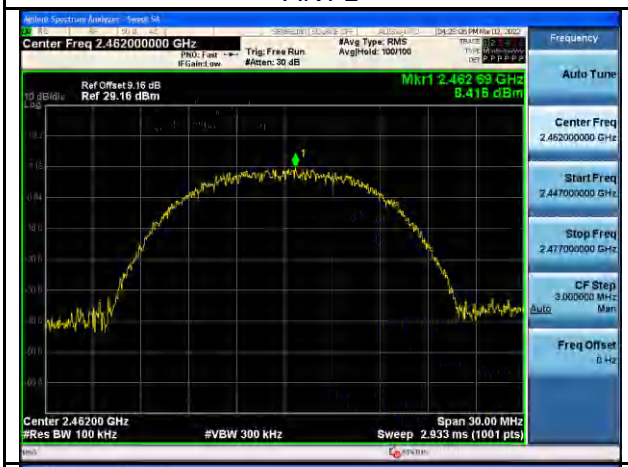
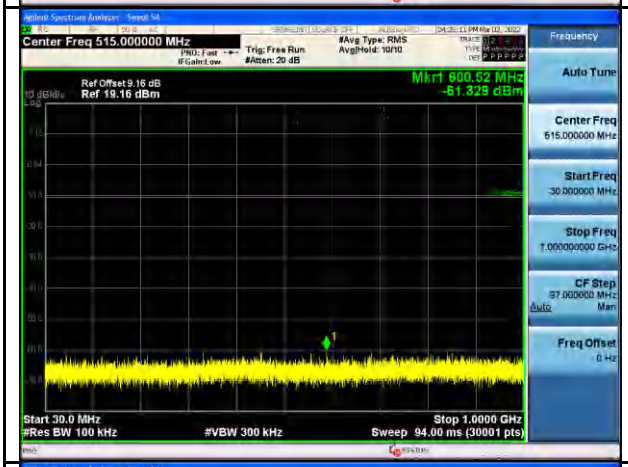
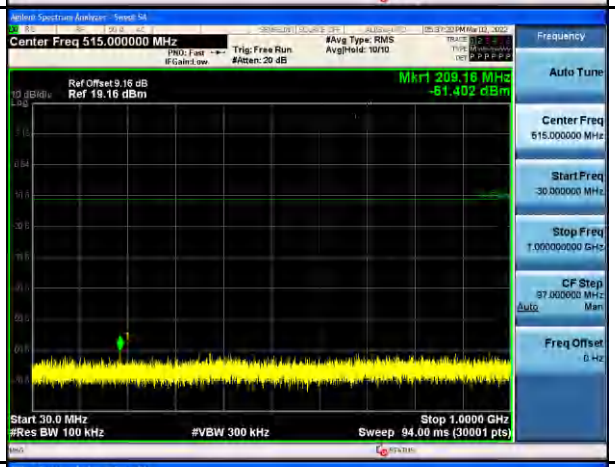
Wi-Fi 802.11 b mode, 1 Mbps
Low Channel:

ANT 1	ANT 2
	

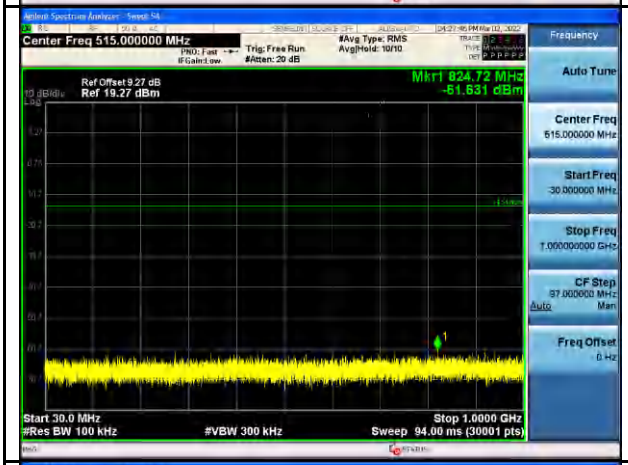
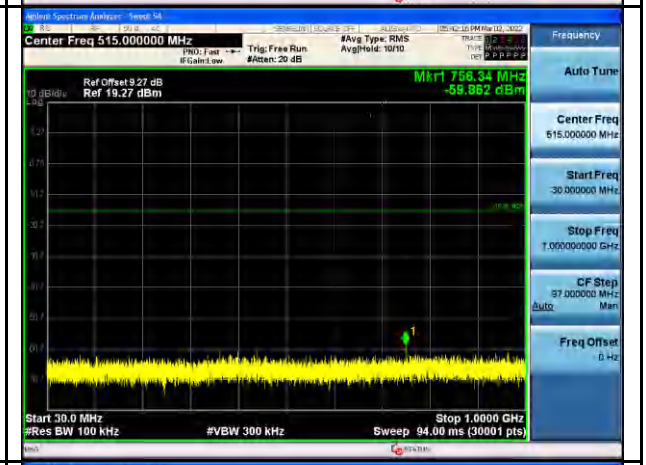
Middle Channel:

ANT 1	ANT 2
	

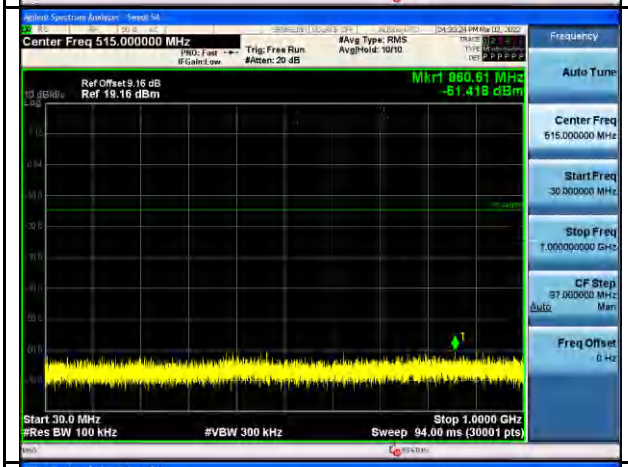
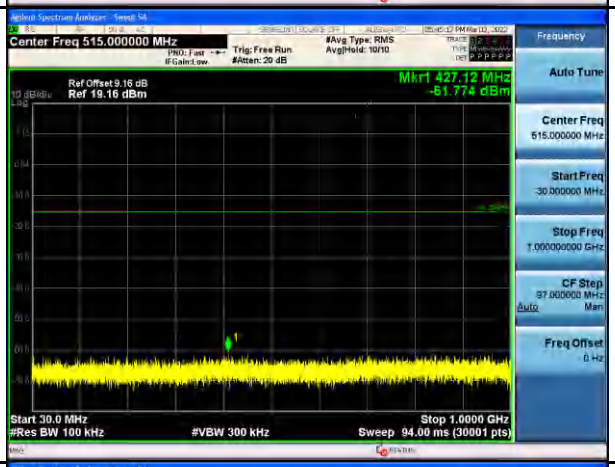
High Channel:

ANT 1	ANT 2
	
	

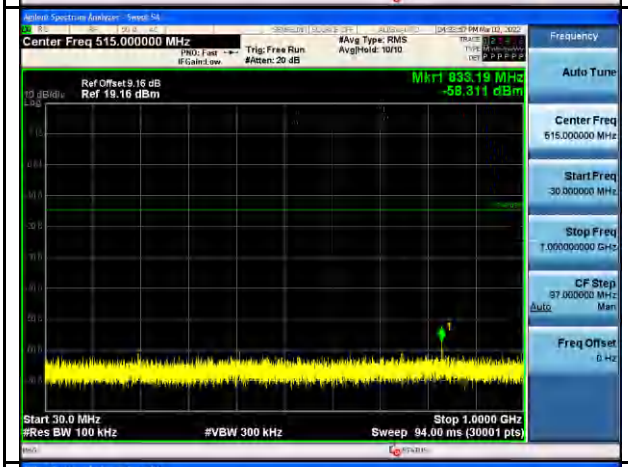
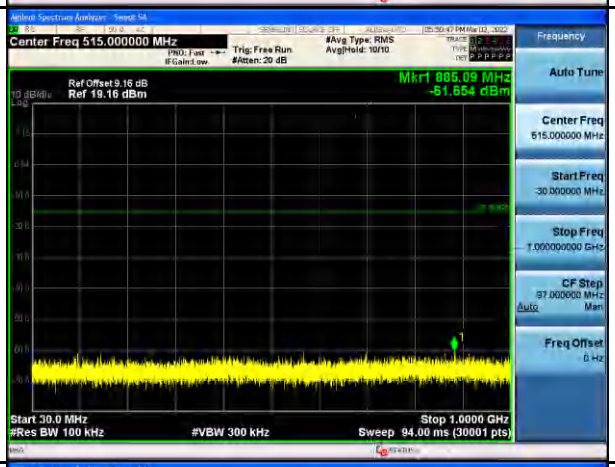
Wi-Fi 802.11 g mode, 6 Mbps
Low Channel:

ANT 1	ANT 2
	

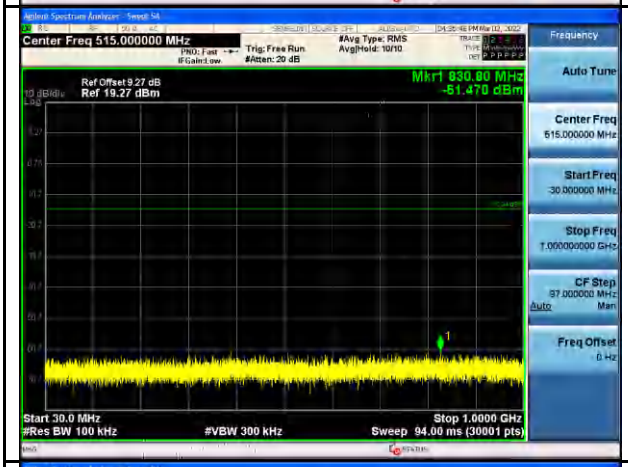
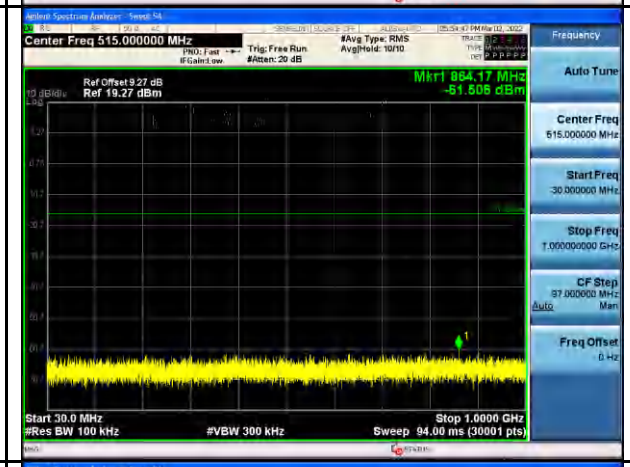
Middle Channel:

ANT 1	ANT 2
	

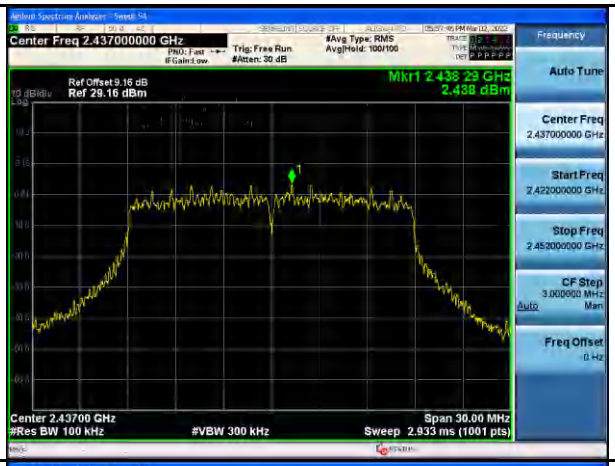
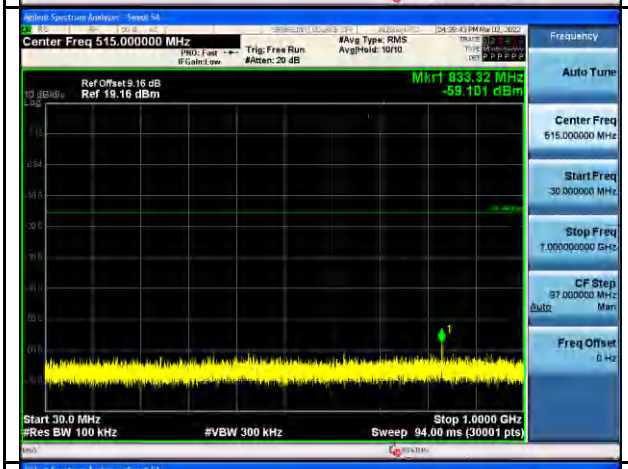
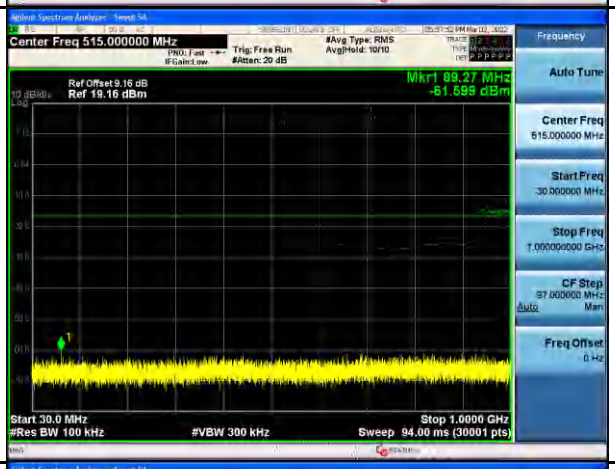
High Channel:

ANT 1	ANT 2
	

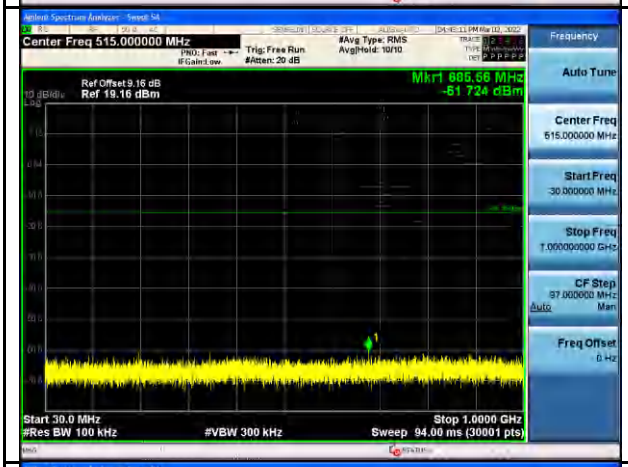
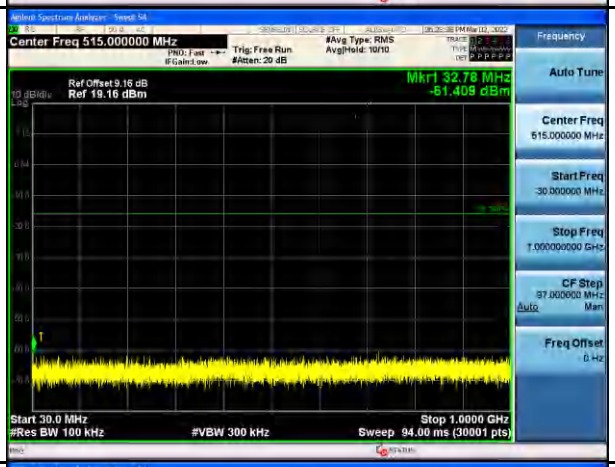
Wi-Fi 802.11 n(HT20) mode, MCS0
Low Channel:

ANT 1	ANT 2
	

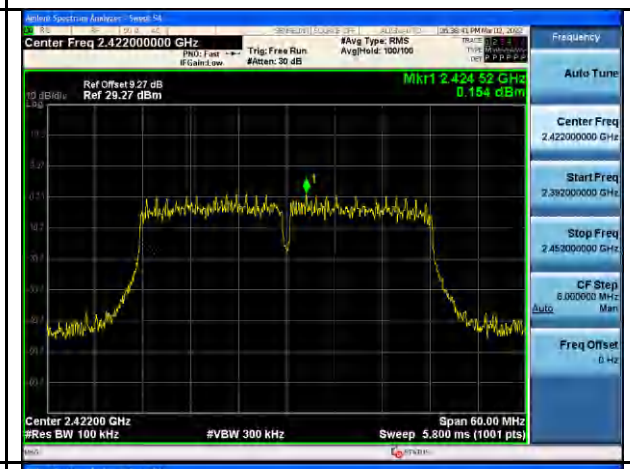
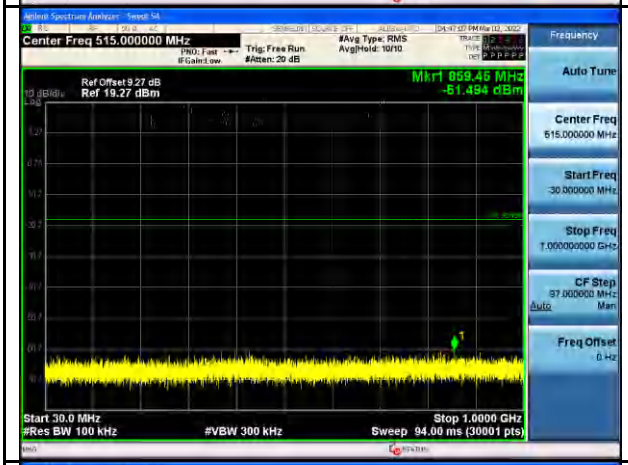
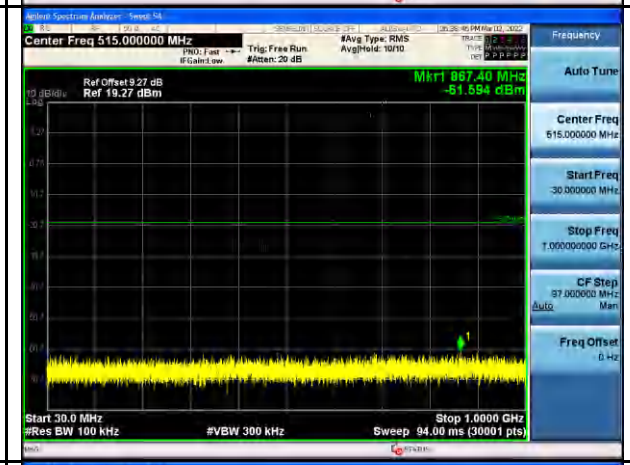
Middle Channel:

ANT 1	ANT 2
	
	

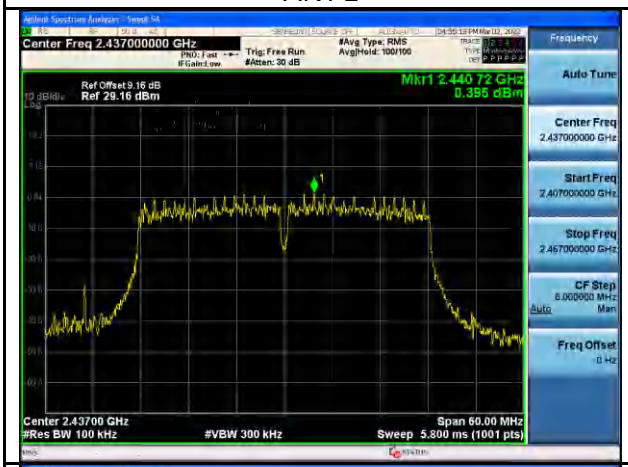
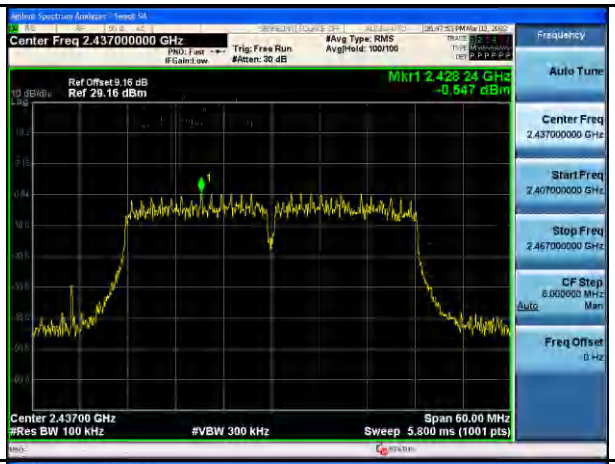
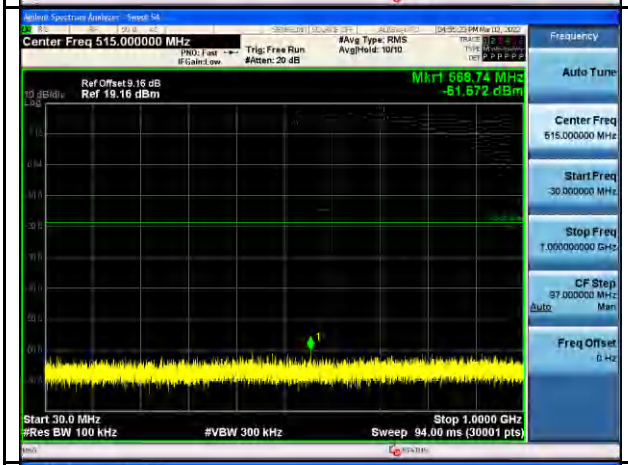
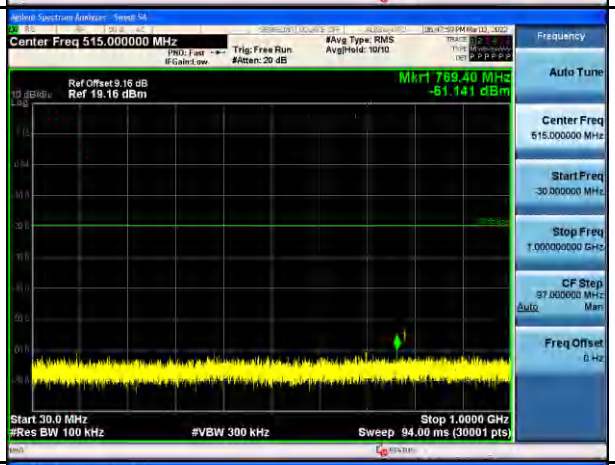
High Channel:

ANT 1	ANT 2
	

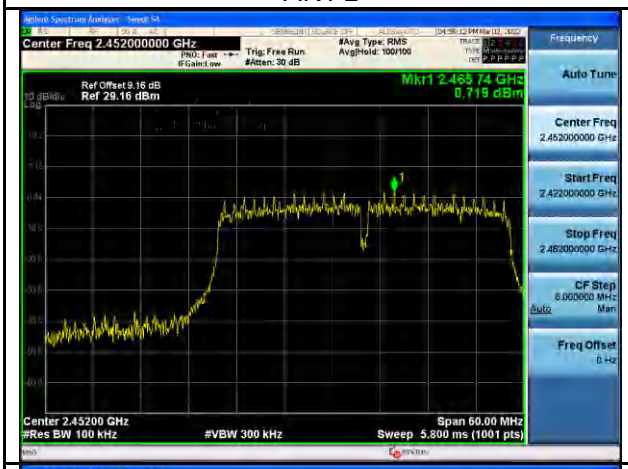
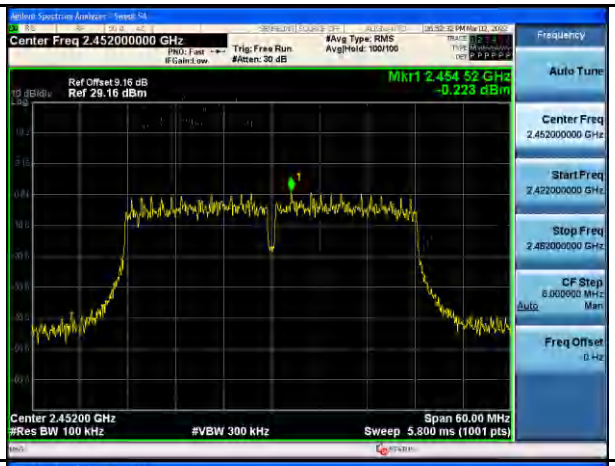
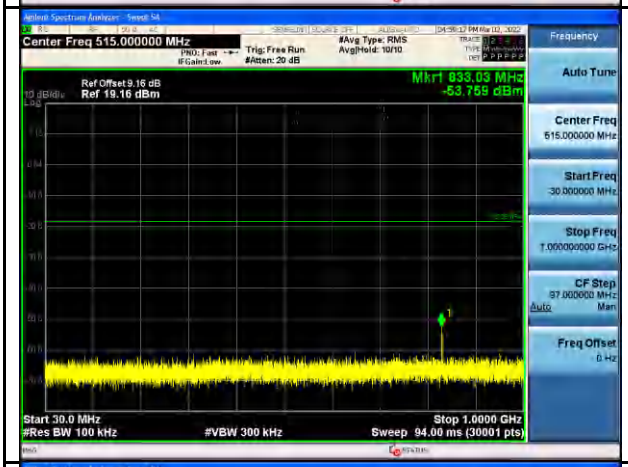
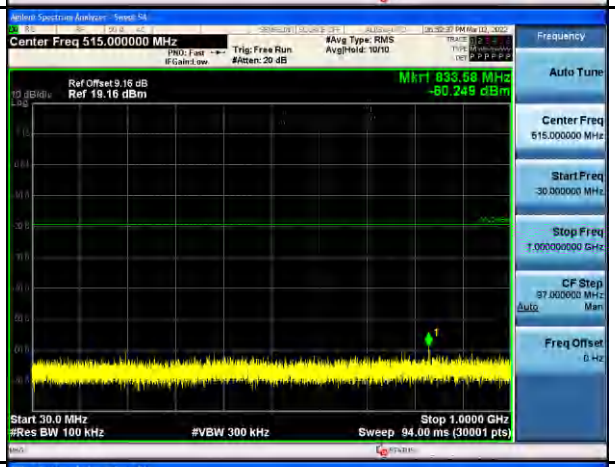
Wi-Fi 802.11 n(HT40) mode, MCS0
Low Channel:

ANT 1	ANT 2
	
	

Middle Channel:

ANT 1	ANT 2
	
	

High Channel:

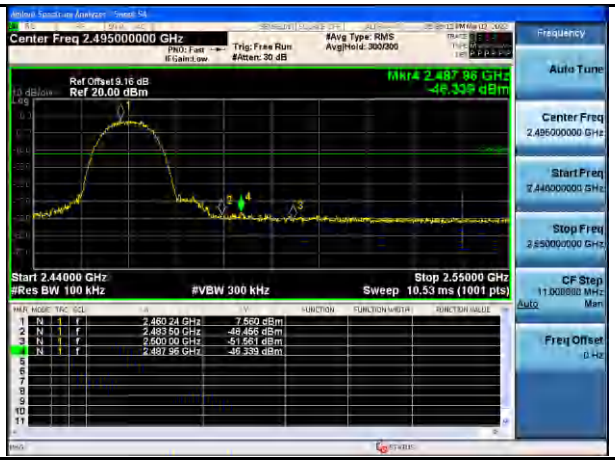
ANT 1	ANT 2
	
	

Wi-Fi 802.11 b mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2
	

Wi-Fi 802.11 g mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2

Wi-Fi 802.11 n(HT20) mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2

Wi-Fi 802.11 n(HT40) mode, Band Edge

Low Channel:

ANT 1	ANT 2

High Channel:

ANT 1	ANT 2

Appendix B.5: Test Results of Radiated Spurious Emissions

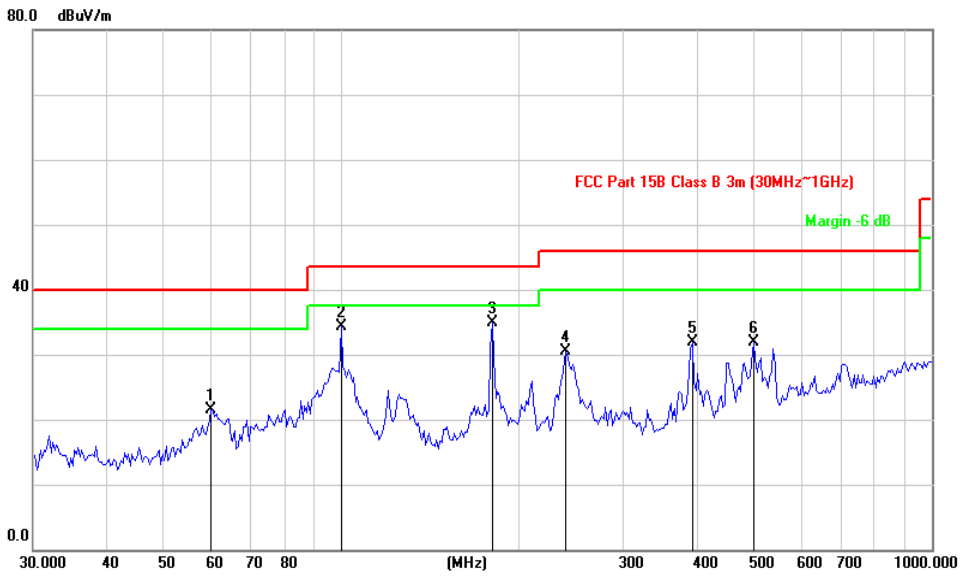
Note: Testing was carried out within frequency range 9kHz to the tenth harmonics. The measurement results below 30MHz and 18GHz - 26.5GHz were greater than 20dB below the limit, so only the radiated spurious emissions from 30MHz to 18GHz were reported.

30MHz - 1GHz (Worst case)

Wi-Fi Module 1 (model: nxp8997):

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

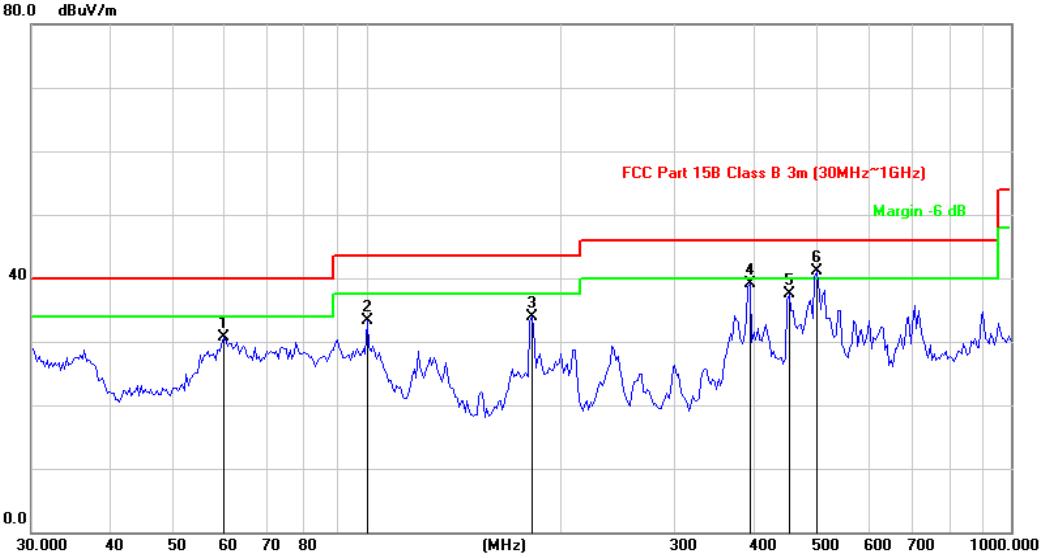


Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
60.1528	21.43	40.00	-18.57	200	H	200	-16.87
99.7676	34.25	43.50	-9.25	100	H	120	-17.44
180.0304	34.84	43.50	-8.66	200	H	300	-14.02
240.1442	30.42	46.00	-15.58	300	H	122	-15.54
392.7376	31.88	46.00	-14.12	100	H	160	-12.03
498.7303	31.84	46.00	-14.16	200	H	180	-9.06

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

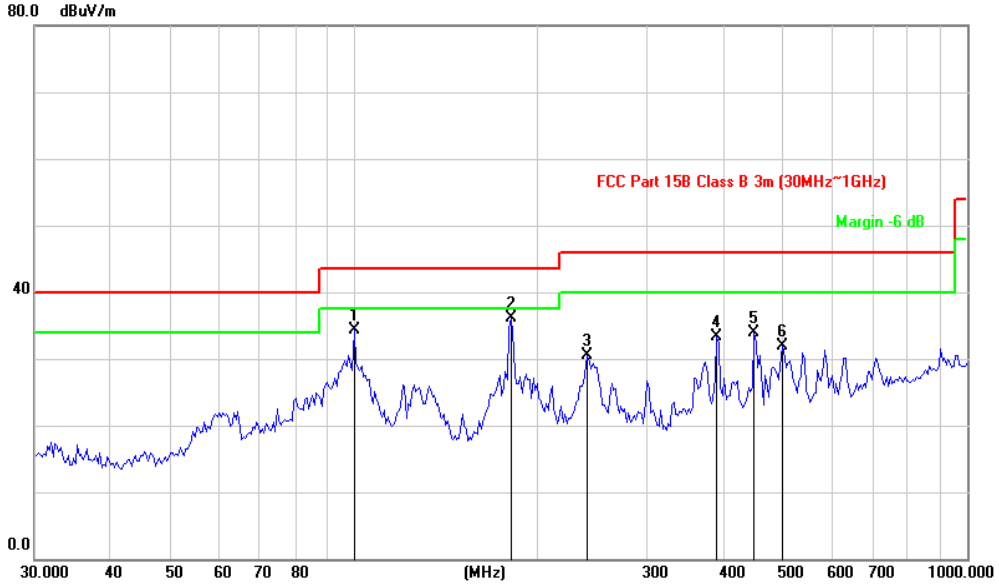


Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.7315	30.78	40.00	-9.22	100	V	300	-16.85
99.7676	33.40	43.50	-10.10	200	V	200	-17.44
180.0304	33.81	43.50	-9.69	130	V	156	-14.02
392.7376	39.03	46.00	-6.97	100	V	190	-12.03
452.0013	37.58	46.00	-8.42	200	V	200	-10.30
498.7303	41.01	46.00	-4.99	150	V	280	-9.06

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch11
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

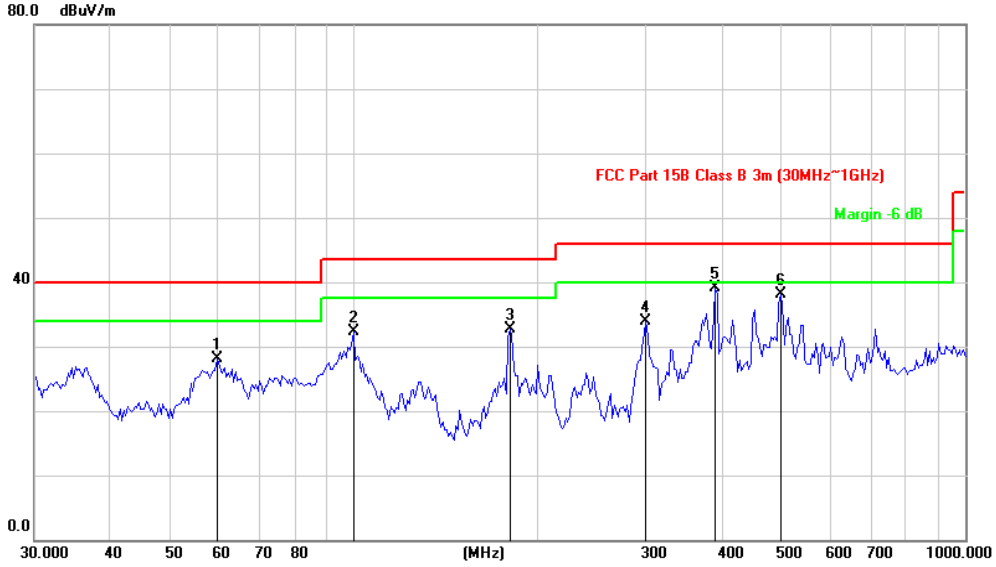


Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
99.7676	34.25	43.50	-9.25	100	H	247	-17.44
180.0304	36.03	43.50	-7.47	200	H	151	-14.02
240.1442	30.42	46.00	-15.58	200	H	56	-15.54
389.9874	33.33	46.00	-12.67	100	H	125	-12.08
448.8361	33.93	46.00	-12.07	300	H	288	-10.38
498.7303	31.84	46.00	-14.16	200	H	230	-9.06

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch11
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan



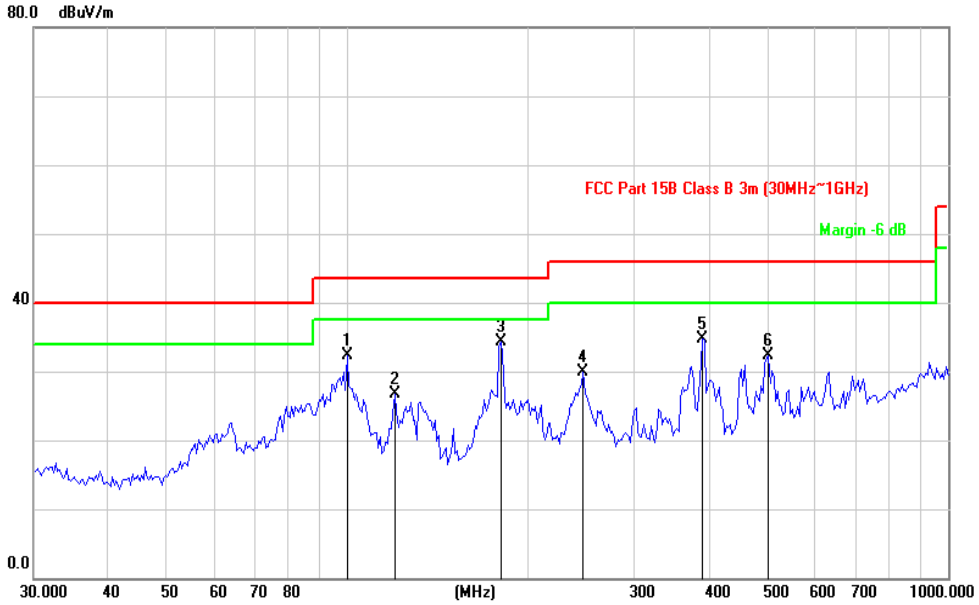
Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.7315	28.07	40.00	-11.93	100	V	280	-16.85
99.7676	32.37	43.50	-11.13	200	V	260	-17.44
180.0304	32.70	43.50	-10.80	100	V	158	-14.02
300.6988	33.85	46.00	-12.15	150	V	167	-14.17
389.9874	39.05	46.00	-6.95	200	V	120	-12.08
498.7303	38.01	46.00	-7.99	150	V	360	-9.06

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

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

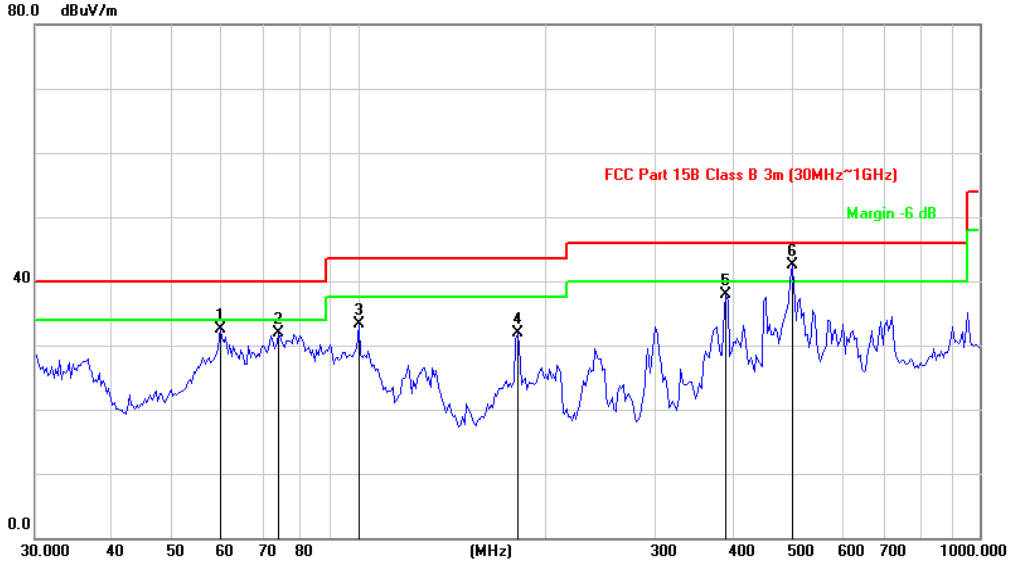


Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
99.7676	32.21	43.50	-11.29	200	H	200	-17.44
119.7672	26.71	43.50	-16.79	150	H	150	-16.10
180.0304	34.21	43.50	-9.29	200	H	189	-14.02
246.9901	29.81	46.00	-16.19	200	H	260	-15.33
389.9874	34.70	46.00	-11.30	120	H	120	-12.08
502.2473	32.35	46.00	-13.65	100	H	121	-8.98

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch1
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

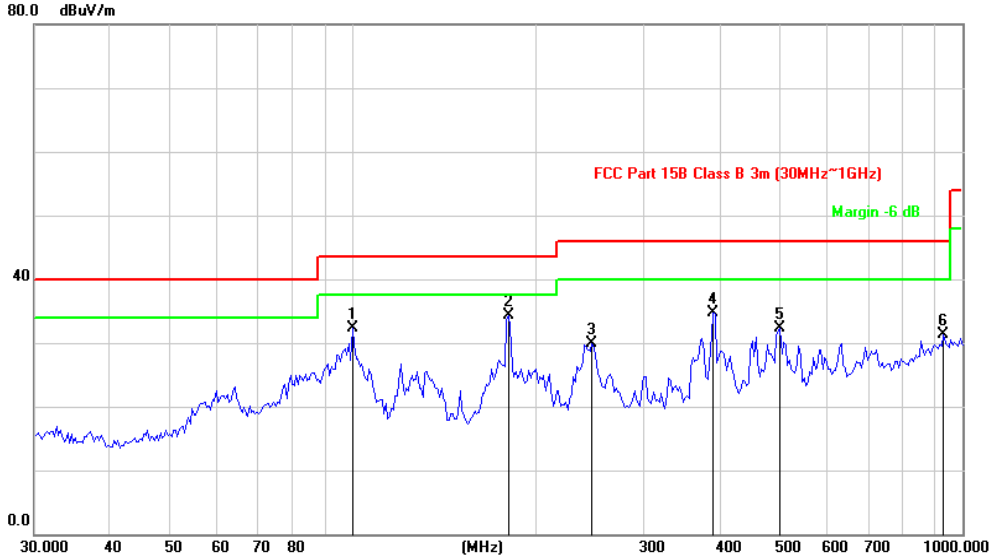


Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.7315	32.60	40.00	-7.40	100	V	68	-16.85
74.2696	31.82	40.00	-8.18	120	V	200	-17.32
99.7676	33.22	43.50	-10.28	200	V	158	-17.44
180.0304	31.85	43.50	-11.65	200	V	300	-14.02
389.9874	37.83	46.00	-8.17	150	V	156	-12.08
498.7303	42.50	46.00	-3.50	300	V	201	-9.06

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch11
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

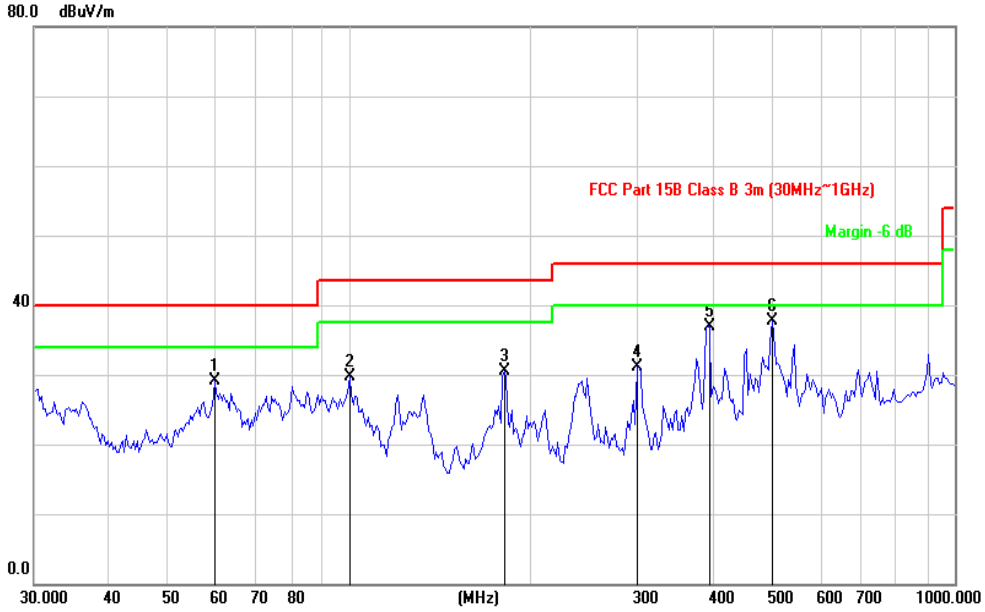


Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
99.7676	32.21	43.50	-11.29	200	H	145	-17.44
180.0304	34.21	43.50	-9.29	150	H	126	-14.02
246.9901	29.81	46.00	-16.19	100	H	150	-15.33
389.9874	34.70	46.00	-11.30	100	H	181	-12.08
502.2473	32.35	46.00	-13.65	200	H	150	-8.98
932.1405	31.21	46.00	-14.79	150	H	300	-0.49

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Ch11
Test Voltage:	AC120V/60Hz
Remark:	Temp 23.6 Humi:46.2%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan



Critical_Freqs

Frequency (MHz)	Level (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB/m)
59.7315	29.05	40.00	-10.95	200	V	200	-16.85
99.7676	29.73	43.50	-13.77	200	V	56	-17.44
180.0304	30.46	43.50	-13.04	100	V	210	-14.02
298.5932	31.11	46.00	-14.89	100	V	156	-14.23
392.7376	36.98	46.00	-9.02	150	V	189	-12.03
498.7303	37.74	46.00	-8.26	150	V	150	-9.06

1GHz - 18GHz

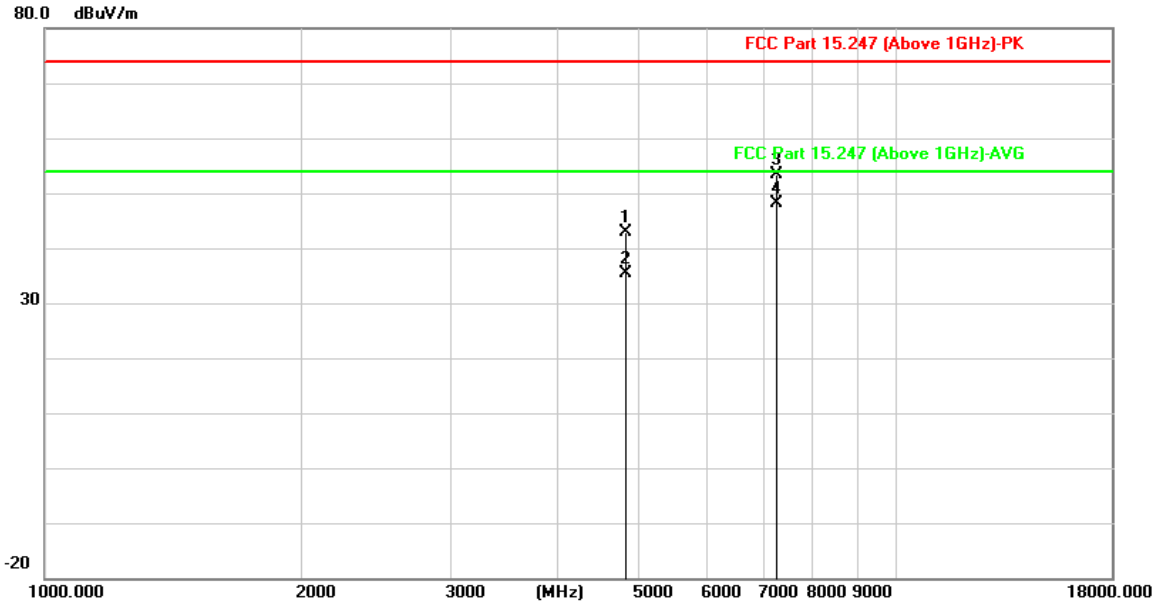
Note: The highest waveform in the figure is Wi-Fi Fundamental.

Wi-Fi Module 1 (model: nxp8997):

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



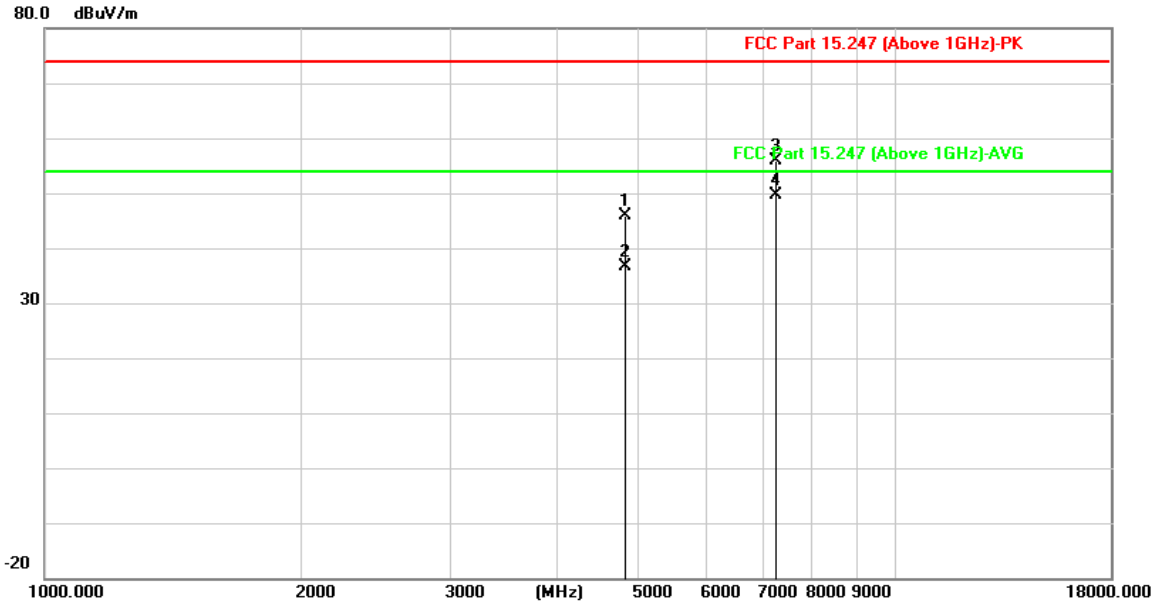
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	39.96	2.89	42.85	74.00	-31.15	peak	100	200
4824.000	32.37	2.89	35.26	54.00	-18.74	AVG	100	200
7236.000	43.98	9.47	53.45	74.00	-20.55	peak	160	300
7236.000	38.68	9.47	48.15	54.00	-5.85	AVG	160	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



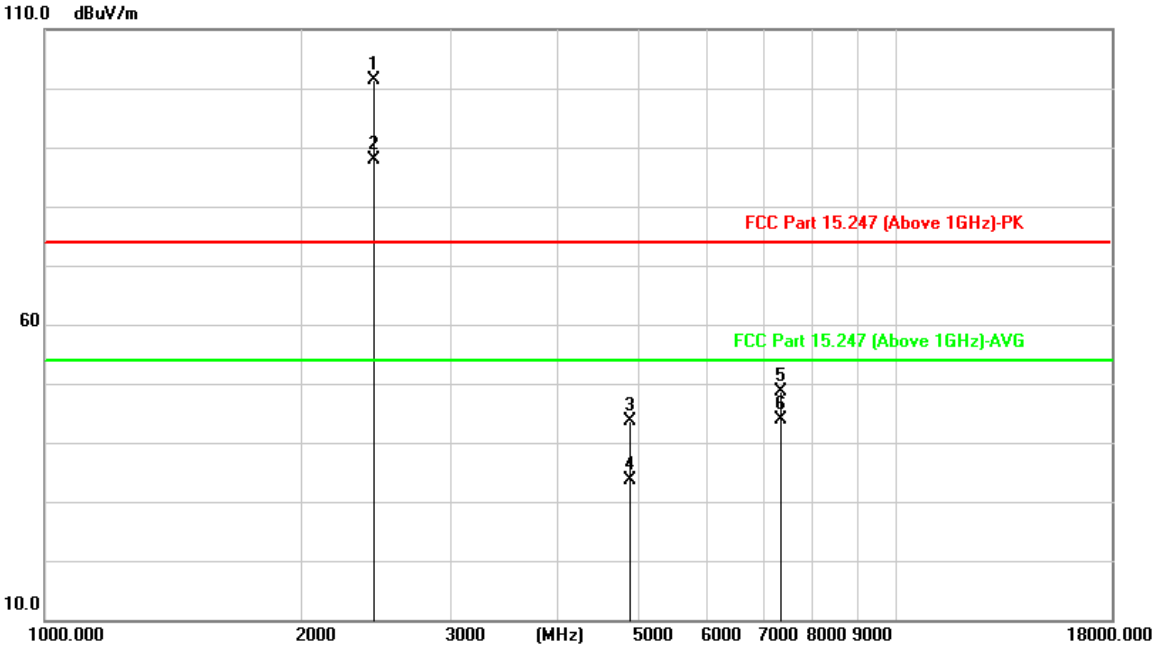
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	43.08	2.89	45.97	74.00	-28.03	peak	130	100
4824.000	33.65	2.89	36.54	54.00	-17.46	AVG	130	100
7236.000	46.46	9.47	55.93	74.00	-18.07	peak	200	250
7236.000	40.18	9.47	49.65	54.00	-4.35	AVG	200	250

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



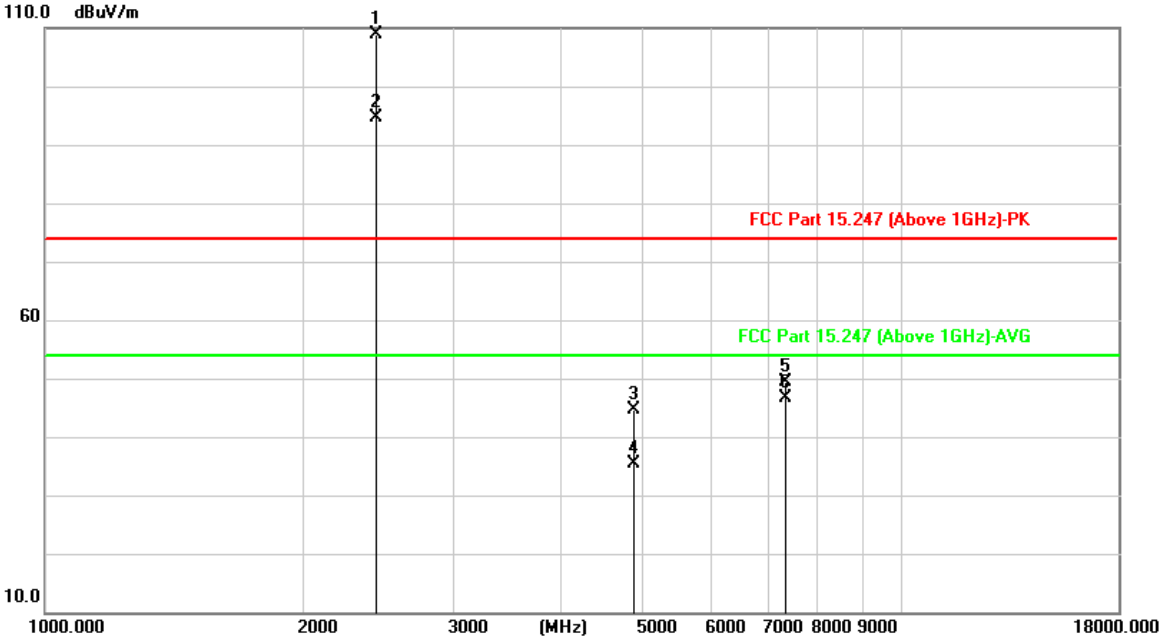
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	103.84	-2.34	101.50			peak	210	360
2437.000	90.26	-2.34	87.92			AVG	210	360
4874.000	40.17	3.50	43.67	74.00	-30.33	peak	100	100
4874.000	30.07	3.50	33.57	54.00	-20.43	AVG	100	100
7311.000	38.92	9.63	48.55	74.00	-25.45	peak	100	280
7311.000	34.15	9.63	43.78	54.00	-10.22	AVG	100	280

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_ Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



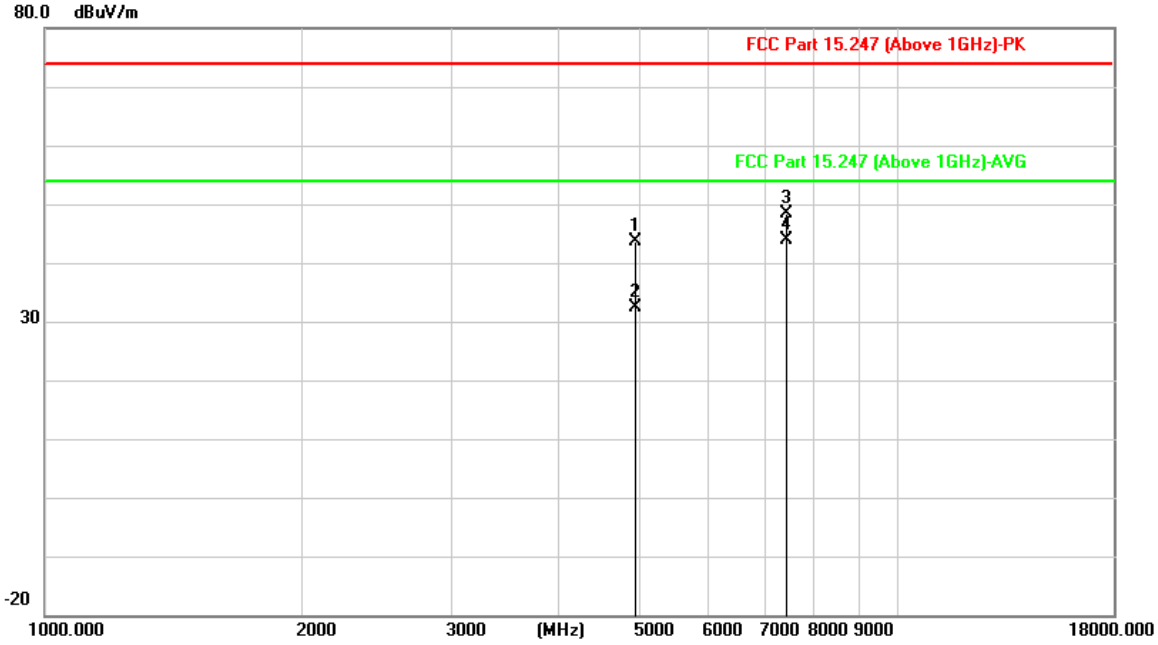
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	111.11	-2.34	108.77			peak	230	360
2437.000	96.85	-2.34	94.51			AVG	230	360
4874.000	41.18	3.50	44.68	74.00	-29.32	peak	100	250
4874.000	31.99	3.50	35.49	54.00	-18.51	AVG	100	250
7311.000	39.71	9.63	49.34	74.00	-24.66	peak	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



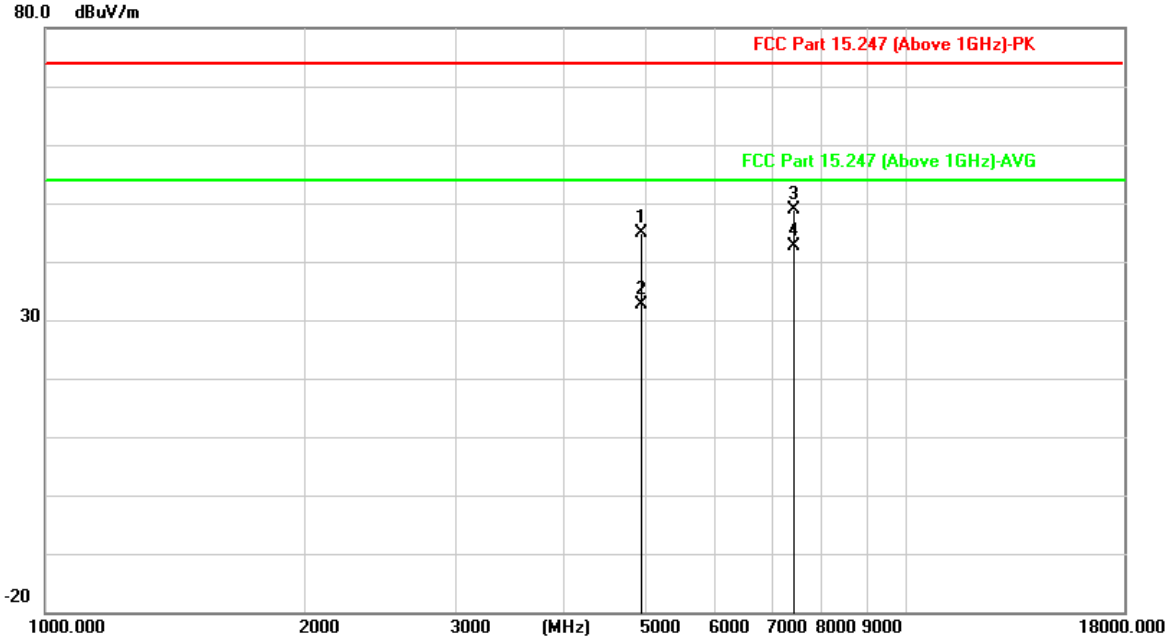
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	39.97	3.70	43.67	74.00	-30.33	peak	100	310
4924.000	28.58	3.70	32.28	54.00	-21.72	AVG	100	310
7386.000	38.57	9.77	48.34	74.00	-25.66	peak	100	100
7386.000	34.08	9.77	43.85	54.00	-10.15	AVG	100	100

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_ High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



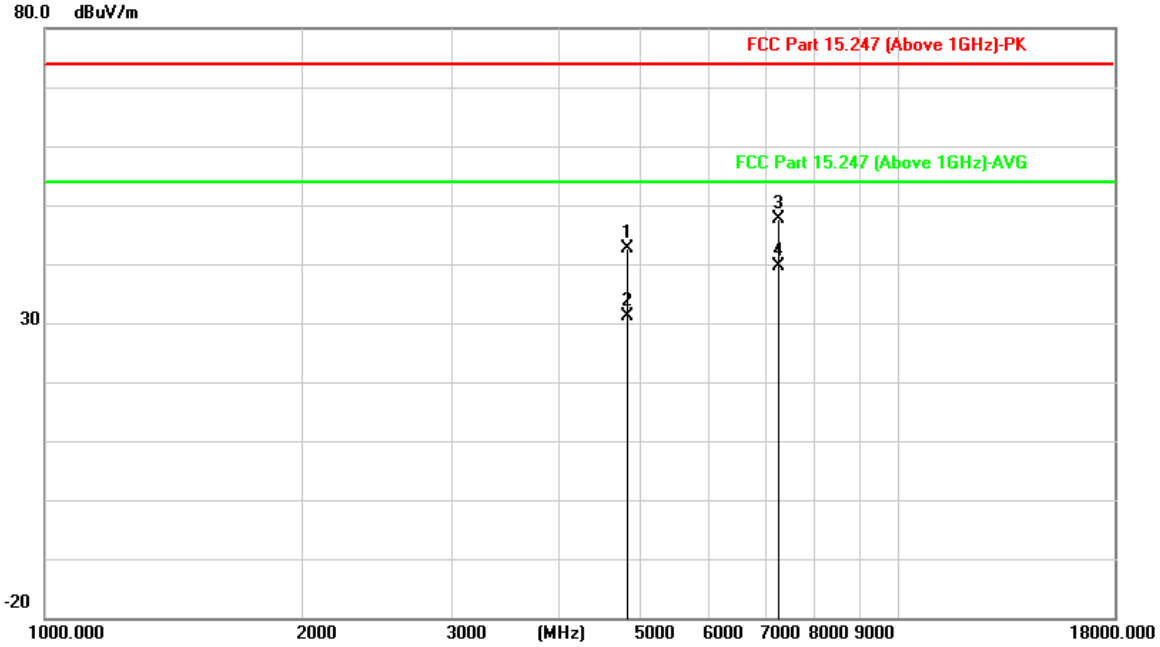
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	41.28	3.70	44.98	74.00	-29.02	peak	100	140
4924.000	28.95	3.70	32.65	54.00	-21.35	AVG	100	140
7386.000	39.20	9.77	48.97	74.00	-25.03	peak	100	260
7386.000	32.89	9.77	42.66	54.00	-11.34	AVG	100	260

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



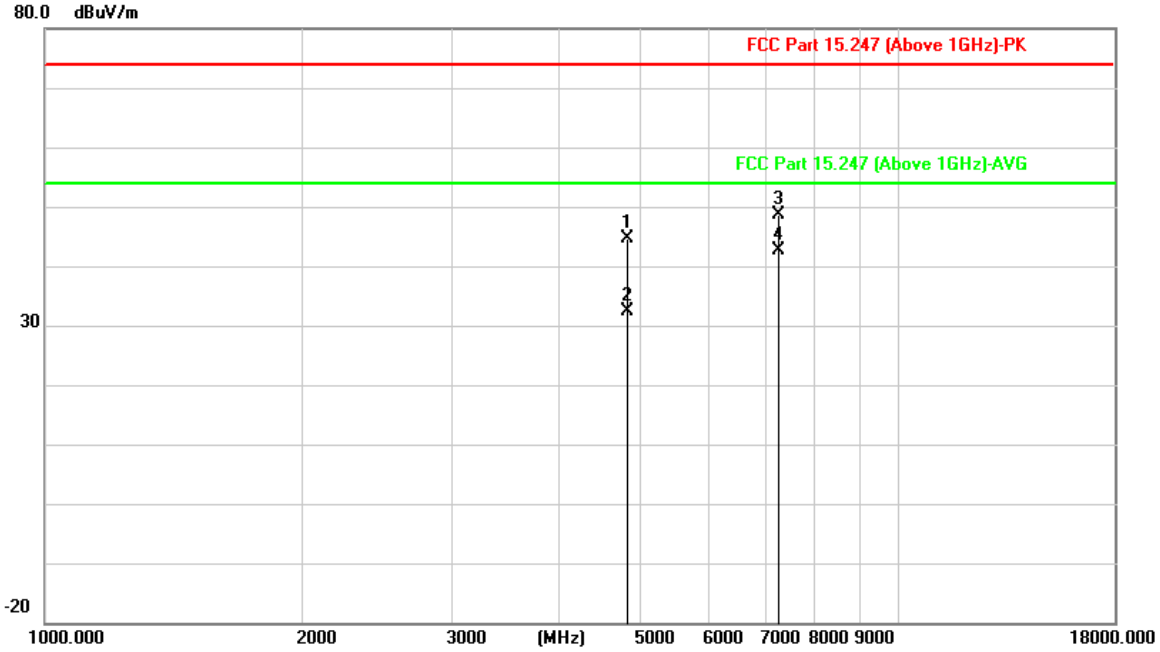
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	39.78	2.89	42.67	74.00	-31.33	peak	100	100
4824.000	28.33	2.89	31.22	54.00	-22.78	AVG	100	100
7236.000	38.13	9.47	47.60	74.00	-26.40	peak	100	130
7236.000	30.09	9.47	39.56	54.00	-14.44	AVG	100	130

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



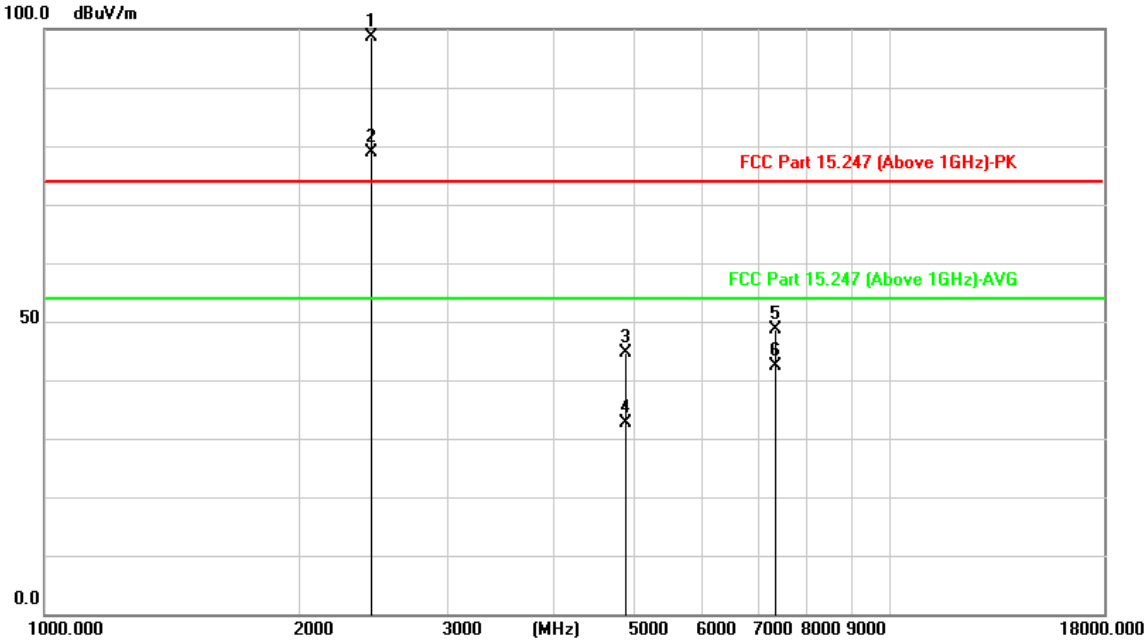
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	41.80	2.89	44.69	74.00	-29.31	peak	100	200
4824.000	29.56	2.89	32.45	54.00	-21.55	AVG	100	200
7236.000	39.20	9.47	48.67	74.00	-25.33	peak	180	100
7236.000	33.16	9.47	42.63	54.00	-11.37	AVG	180	100

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



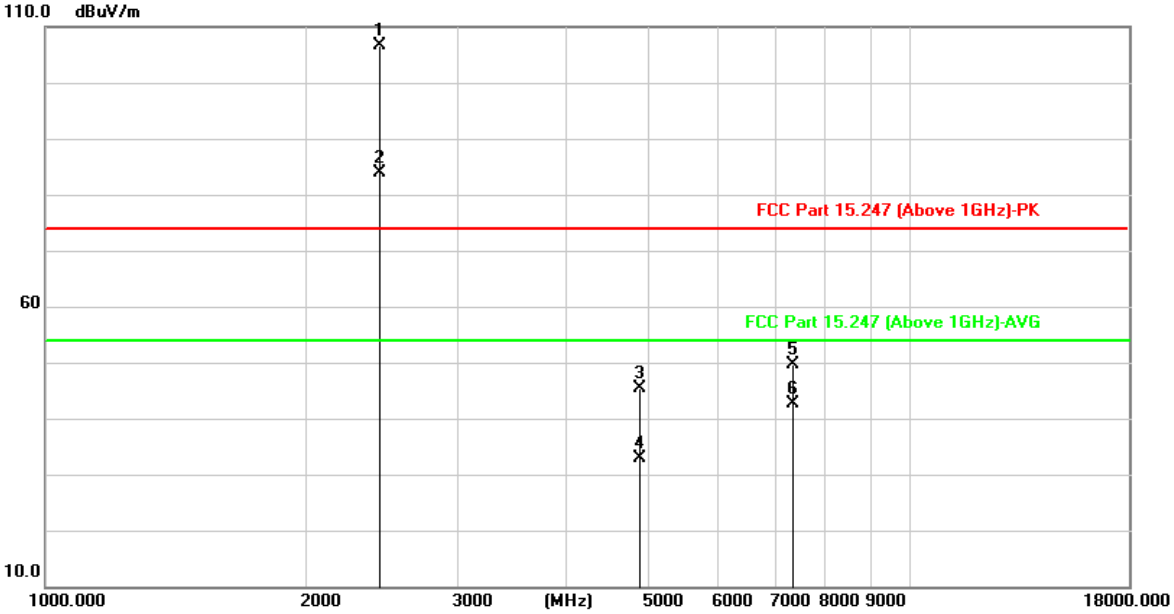
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	101.07	-2.34			24.73	peak	200	360
2437.000	81.28	-2.34			24.94	AVG	200	360
4874.000	41.17	3.50	44.67	74.00	-29.33	peak	100	200
4874.000	29.02	3.50	32.52	54.00	-21.48	AVG	100	200
7311.000	38.99	9.63	48.62	74.00	-25.38	peak	200	100
7311.000	32.75	9.63	42.38	54.00	-11.62	AVG	200	100

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_ Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



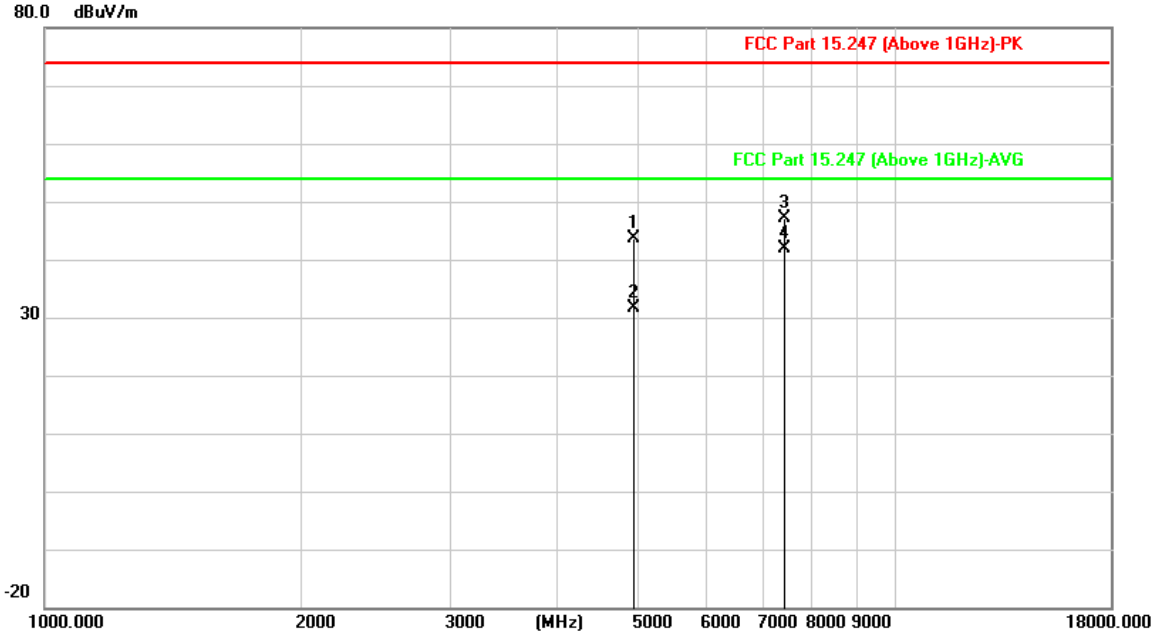
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	108.90	-2.34	106.56			peak	100	360
2437.000	86.30	-2.34	83.96			AVG	100	360
4874.000	41.79	3.50	45.29	74.00	-28.71	peak	100	300
4874.000	29.47	3.50	32.97	54.00	-21.03	AVG	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



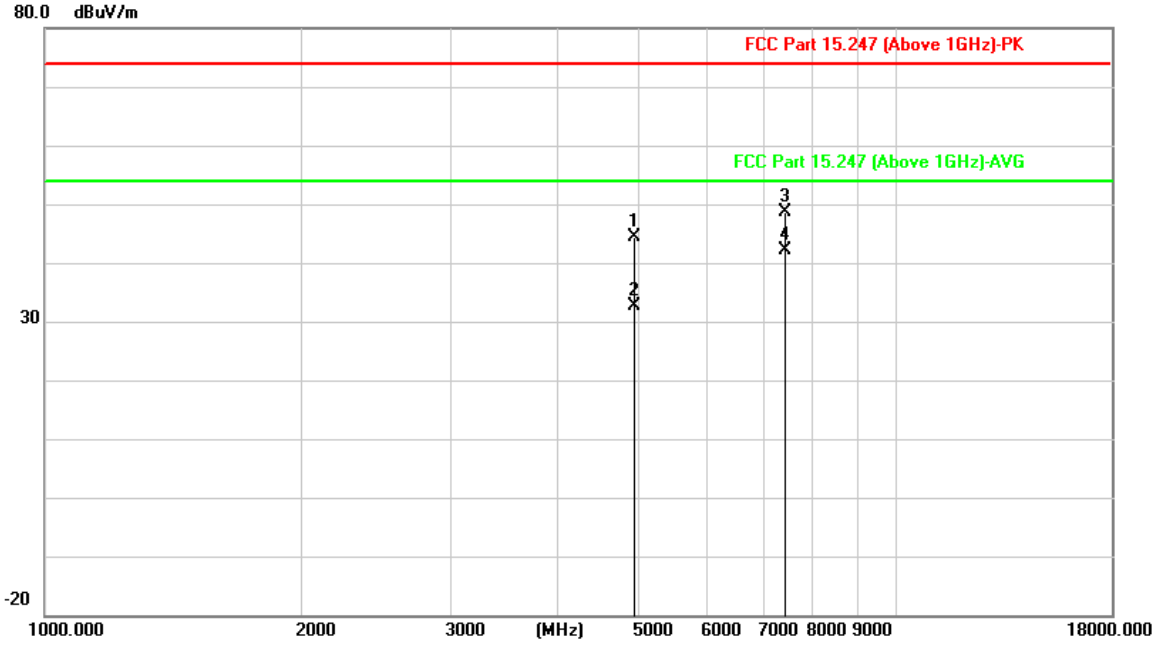
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	39.92	3.70	43.62	74.00	-30.38	peak	150	200
4924.000	27.85	3.70	31.55	54.00	-22.45	AVG	150	200
7386.000	37.38	9.77	47.15	74.00	-26.85	peak	100	300
7386.000	32.10	9.77	41.87	54.00	-12.13	AVG	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_ High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



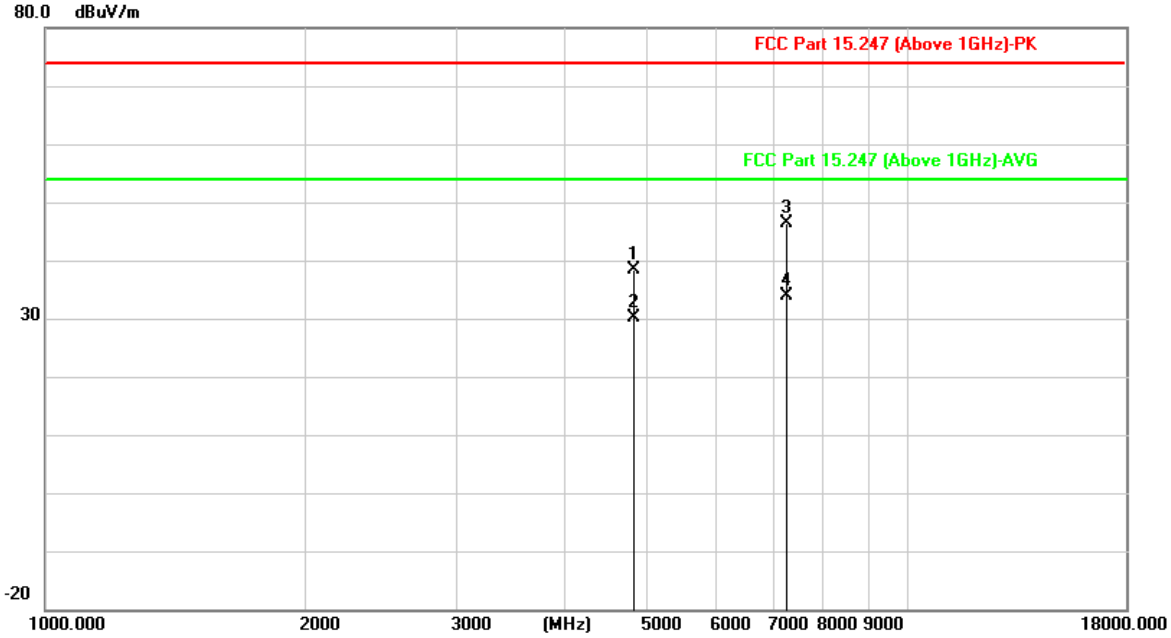
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	40.63	3.70	44.33	74.00	-29.67	peak	100	200
4924.000	28.98	3.70	32.68	54.00	-21.32	AVG	100	200
7386.000	38.85	9.77	48.62	74.00	-25.38	peak	100	200
7386.000	32.38	9.77	42.15	54.00	-11.85	AVG	100	200

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



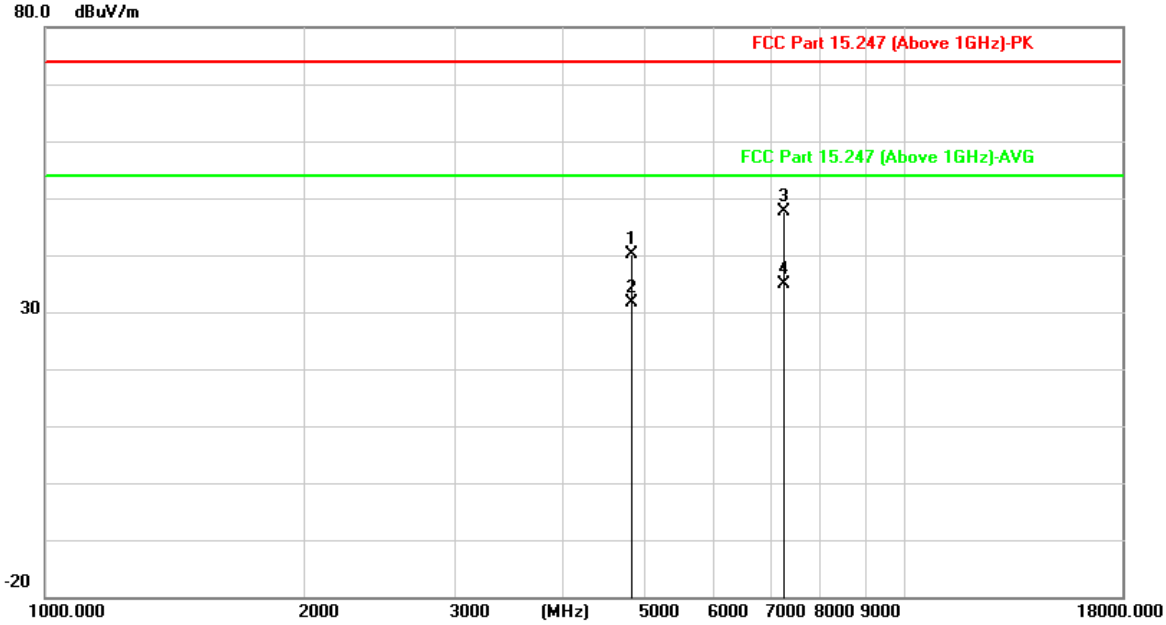
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	35.47	2.89	38.36	74.00	-35.64	peak	100	100
4824.000	27.27	2.89	30.16	54.00	-23.84	AVG	100	100
7236.000	36.88	9.47	46.35	74.00	-27.65	peak	100	100
7236.000	24.40	9.47	33.87	54.00	-20.13	AVG	100	100

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



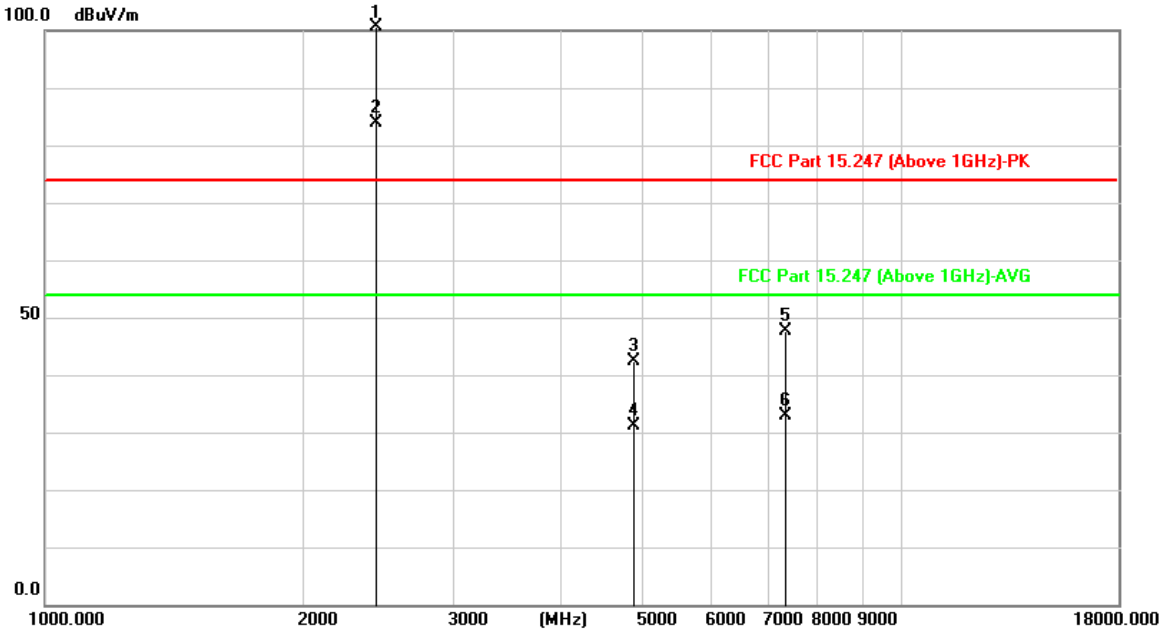
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	37.32	2.89	40.21	74.00	-33.79	peak	100	200
4824.000	28.77	2.89	31.66	54.00	-22.34	AVG	100	200
7236.000	38.22	9.47	47.69	74.00	-26.31	peak	100	100
7236.000	25.41	9.47	34.88	54.00	-19.12	AVG	100	100

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



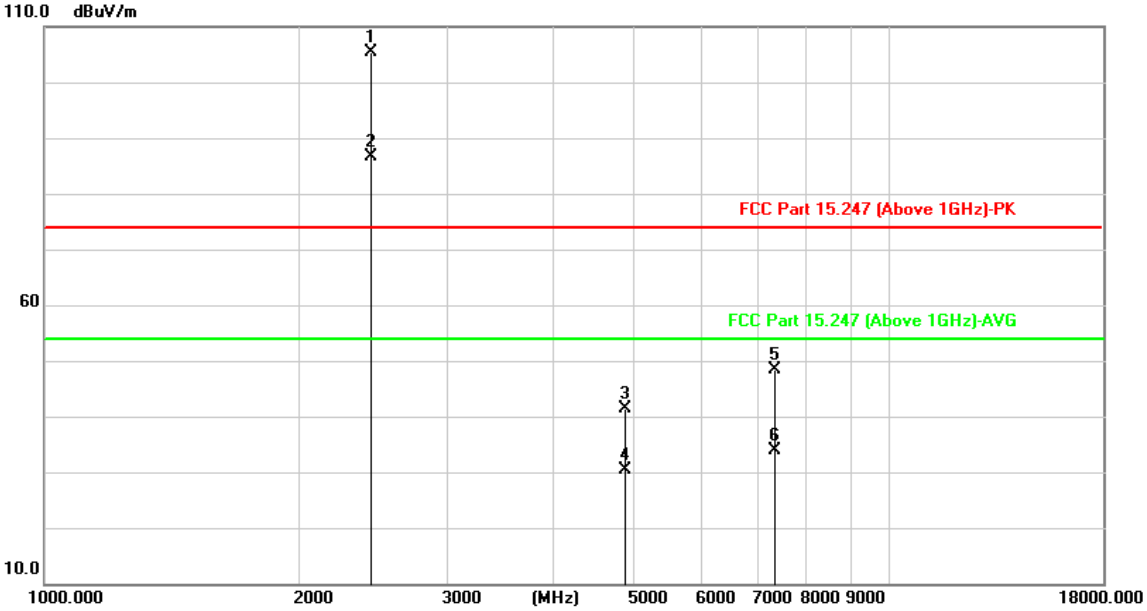
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	103.08	-2.34	100.74			peak	260	360
2437.000	86.25	-2.34	83.91			AVG	260	360
4874.000	38.83	3.50	42.33	74.00	-31.67	peak	100	250
4874.000	27.58	3.50	31.08	54.00	-22.92	AVG	100	250
7311.000	38.02	9.63	47.65	74.00	-26.35	peak	100	300
7311.000	23.34	9.63	32.97	54.00	-21.03	AVG	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_ Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



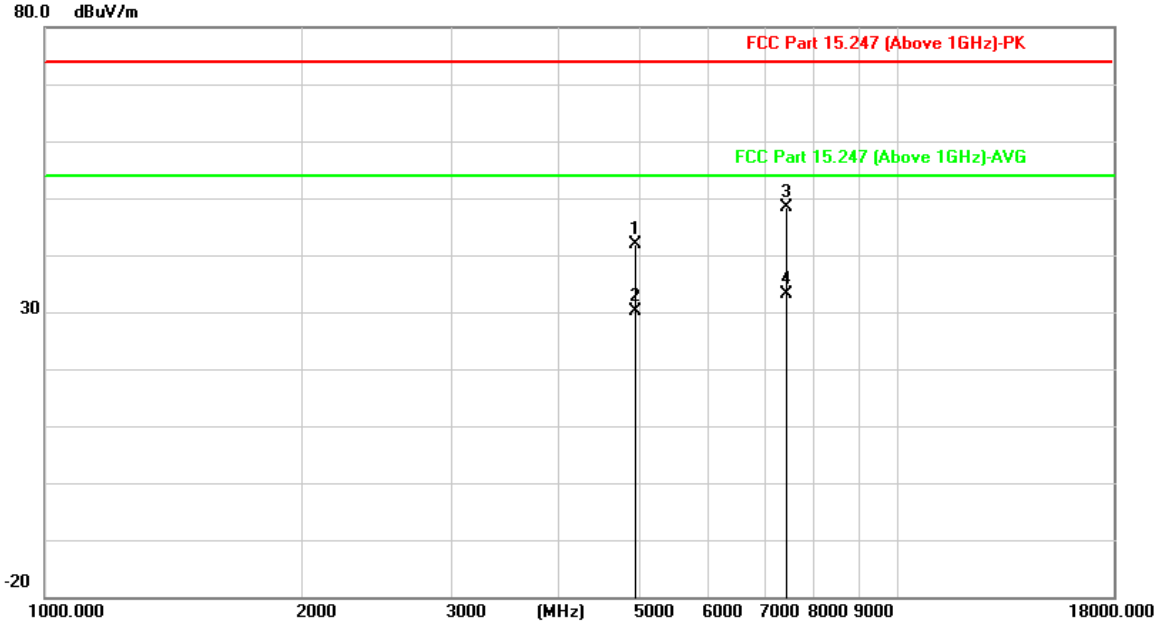
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	107.83	-2.34	105.49			peak	100	360
2437.000	88.89	-2.34	86.55			AVG	100	360
4874.000	37.82	3.50	41.32	74.00	-32.68	peak	100	300
4874.000	26.98	3.50	30.48	54.00	-23.52	AVG	100	300
7311.000	38.73	9.63	48.36	74.00	-25.64	peak	200	100
7311.000	24.15	9.63	33.78	54.00	-20.22	AVG	200	100

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



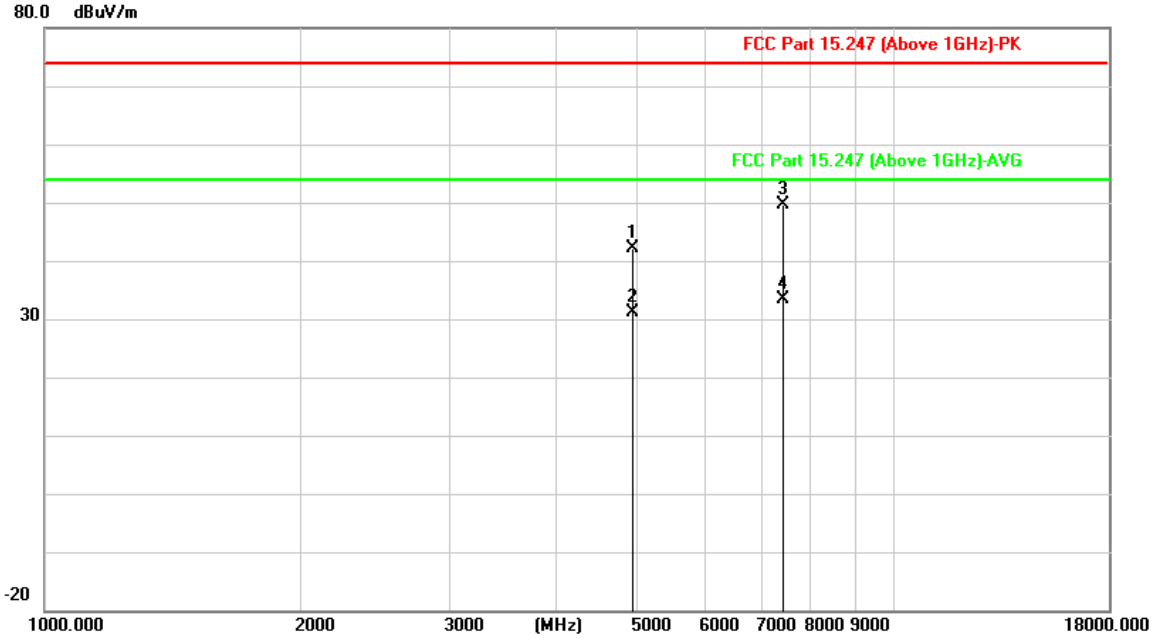
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	38.17	3.70	41.87	74.00	-32.13	peak	100	100
4924.000	26.54	3.70	30.24	54.00	-23.76	AVG	100	100
7386.000	38.56	9.77	48.33	74.00	-25.67	peak	100	200
7386.000	23.27	9.77	33.04	54.00	-20.96	AVG	100	200

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_ High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

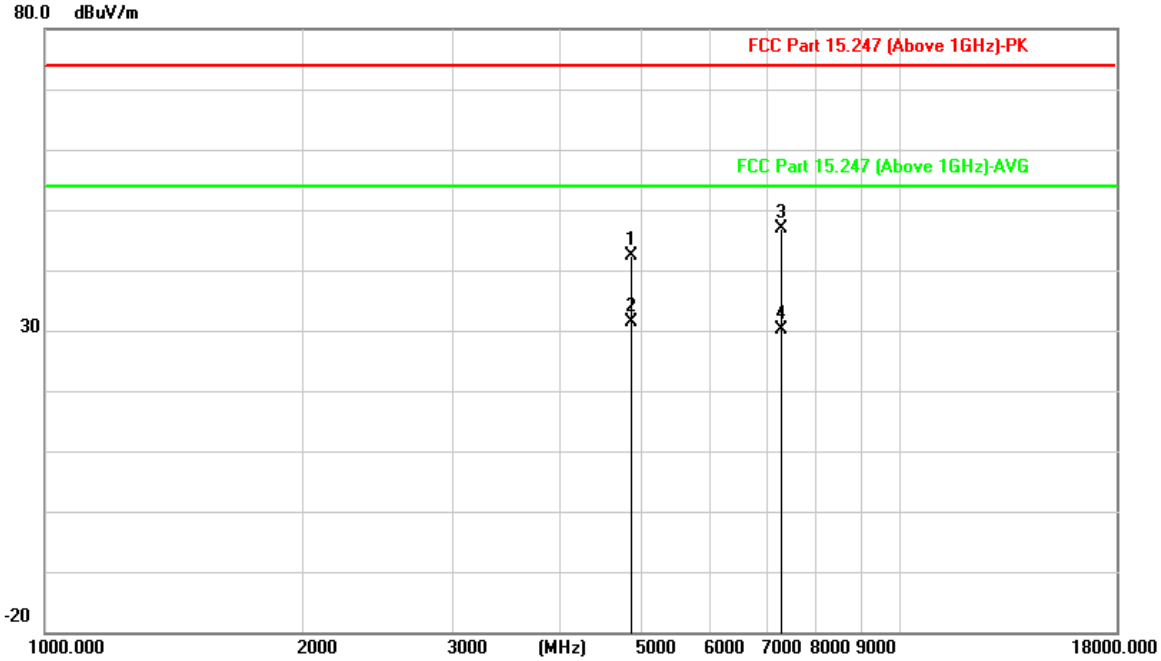
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	38.43	3.70	42.13	74.00	-31.87	peak	100	150
4924.000	27.33	3.70	31.03	54.00	-22.97	AVG	100	150
7386.000	39.89	9.77	49.66	74.00	-24.34	peak	100	200
7386.000	23.68	9.77	33.45	54.00	-20.55	AVG	100	200

.

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



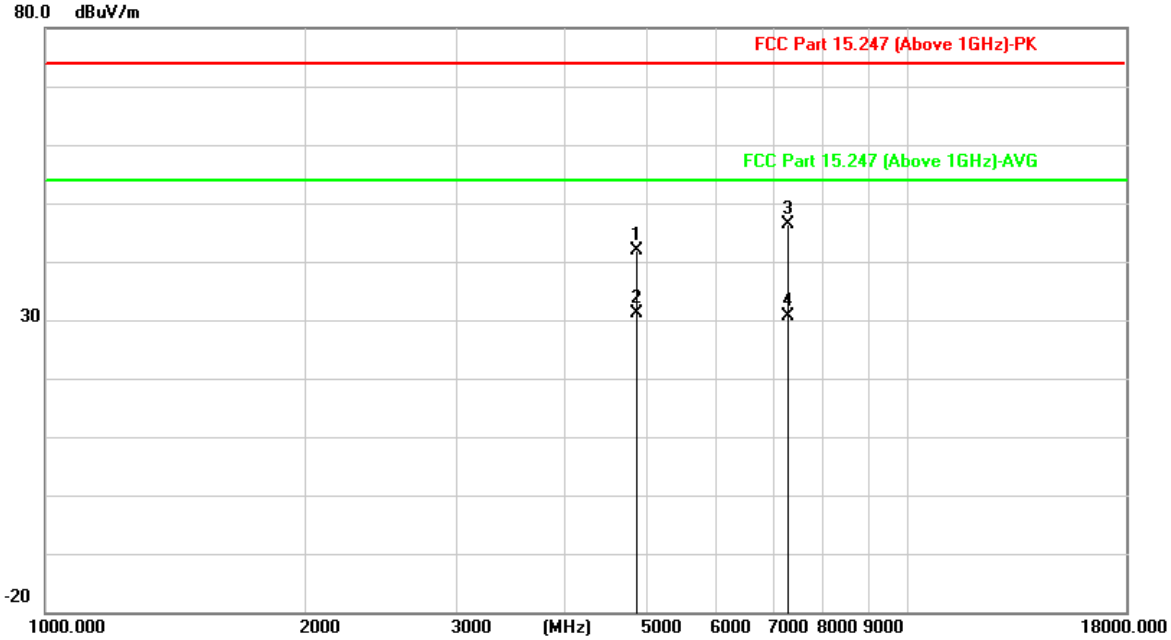
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4844.000	39.18	3.13	42.31	74.00	-31.69	peak	100	200
4844.000	28.13	3.13	31.26	54.00	-22.74	AVG	100	200
7266.000	37.33	9.52	46.85	74.00	-27.15	peak	100	350
7266.000	20.69	9.52	30.21	54.00	-23.79	AVG	100	350
4844.000	39.18	3.13	42.31	74.00	-31.69	peak	100	200
4844.000	28.13	3.13	31.26	54.00	-22.74	AVG	100	200

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_ Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



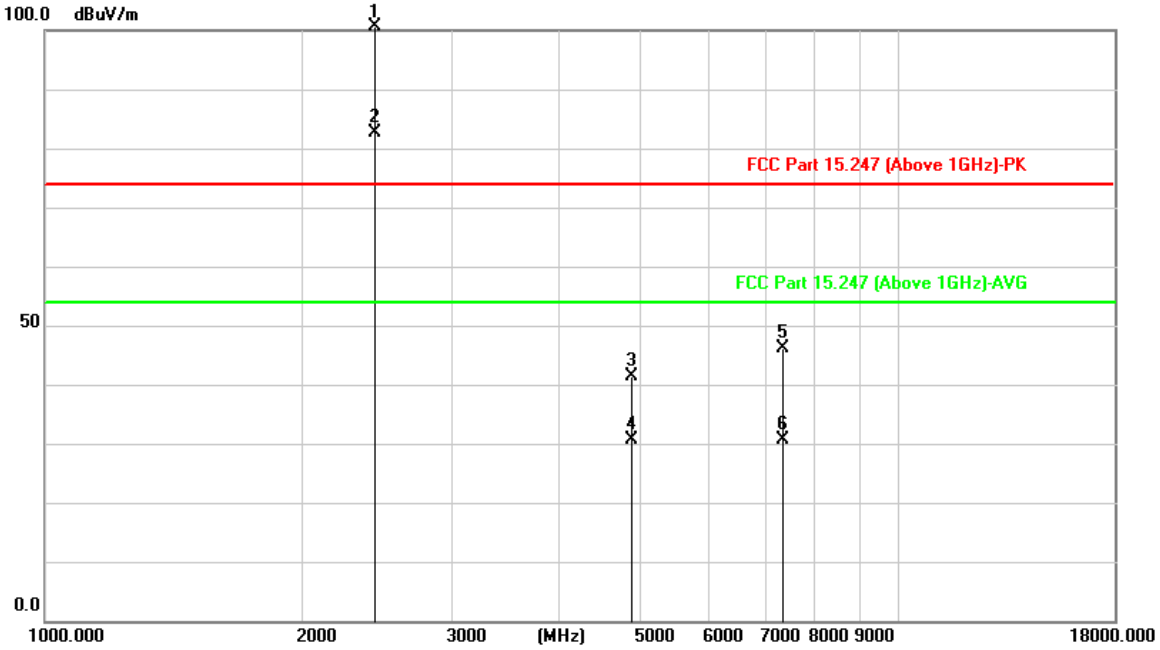
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4844.000	38.83	3.13	41.96	74.00	-32.04	peak	100	160
4844.000	28.09	3.13	31.22	54.00	-22.78	AVG	100	160
7266.000	36.83	9.52	46.35	74.00	-27.65	peak	100	280
7266.000	21.02	9.52	30.54	54.00	-23.46	AVG	100	280

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



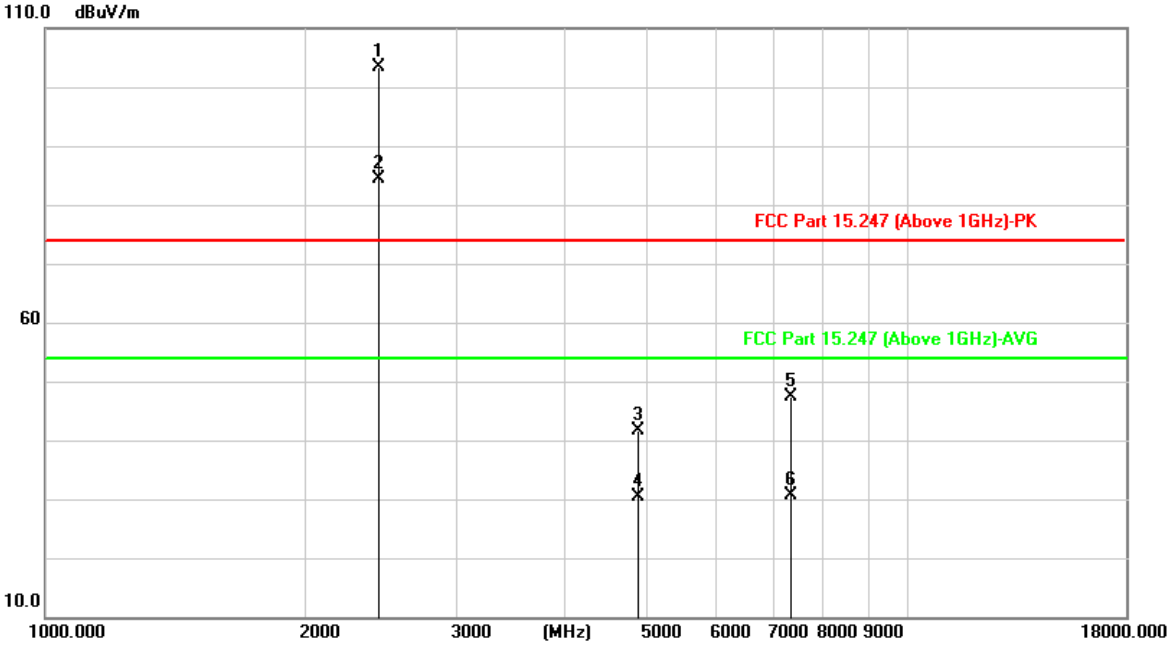
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	102.94	-2.34	100.60			peak	290	360
2437.000	85.04	-2.34	82.70			AVG	290	360
4874.000	37.86	3.50	41.36	74.00	-32.64	peak	100	100
4874.000	27.17	3.50	30.67	54.00	-23.33	AVG	100	100
7311.000	36.62	9.63	46.25	74.00	-27.75	peak	100	300
7311.000	21.03	9.63	30.66	54.00	-23.34	AVG	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



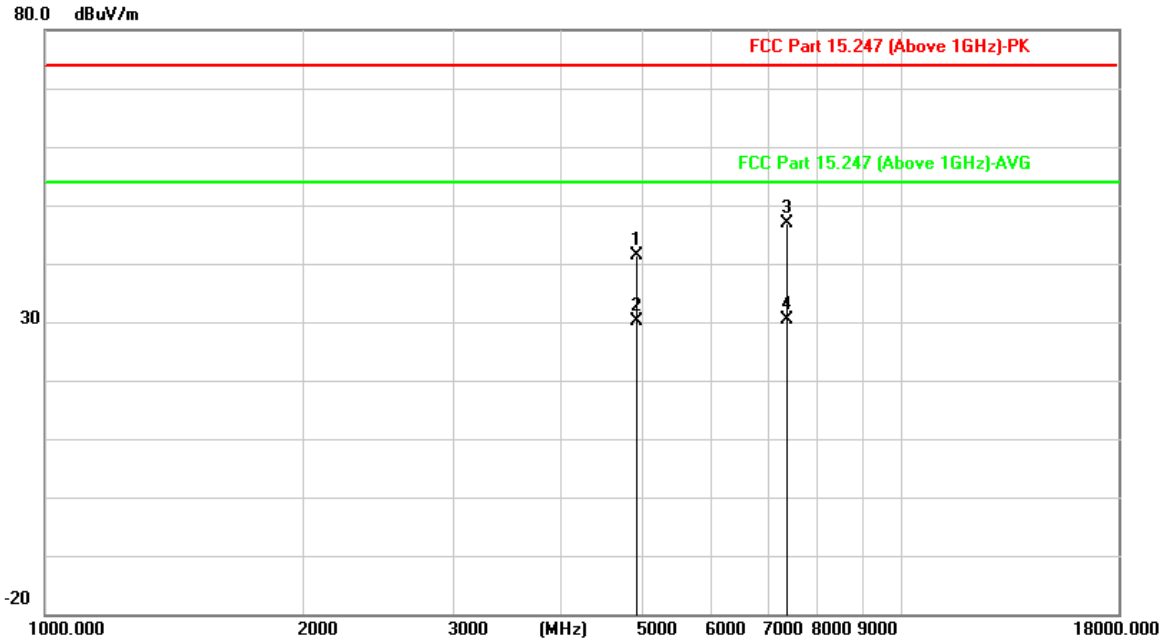
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	105.84	-2.34	103.50			peak	380	360
2437.000	86.84	-2.34	84.50			AVG	380	360
4874.000	38.19	3.50	41.69	74.00	-32.31	peak	100	280
4874.000	26.77	3.50	30.27	54.00	-23.73	AVG	100	280
7311.000	37.70	9.63	47.33	74.00	-26.67	peak	100	300
7311.000	20.95	9.63	30.58	54.00	-23.42	AVG	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



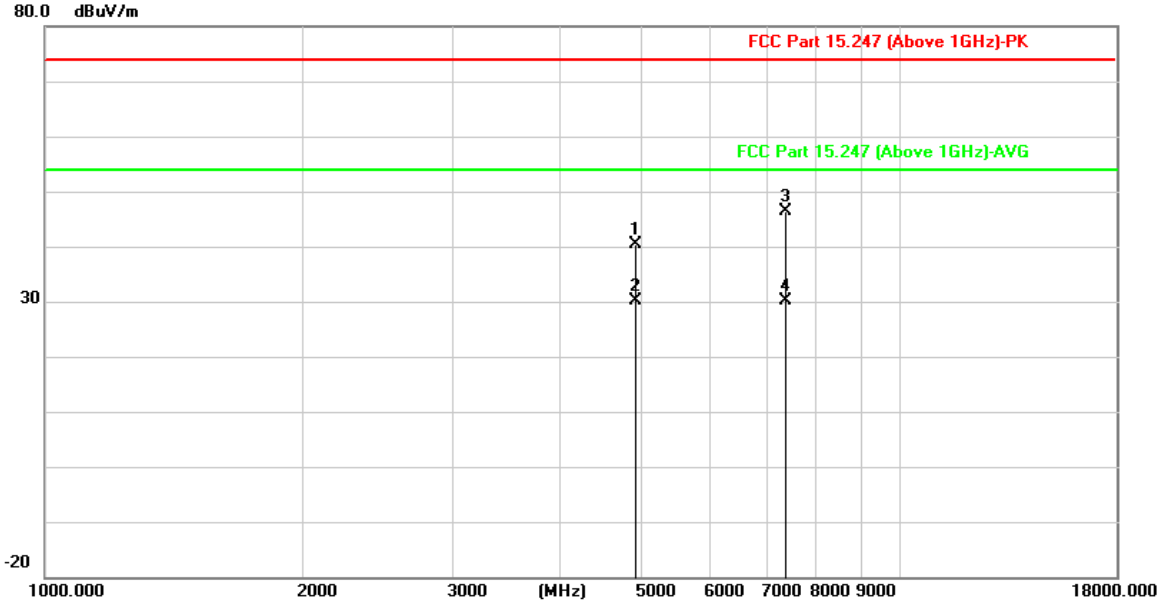
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4904.000	37.54	3.82	41.36	74.00	-32.64	peak	100	170
4904.000	26.21	3.82	30.03	54.00	-23.97	AVG	100	170
7356.000	37.16	9.71	46.87	74.00	-27.13	peak	100	300
7356.000	20.57	9.71	30.28	54.00	-23.72	AVG	100	300

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

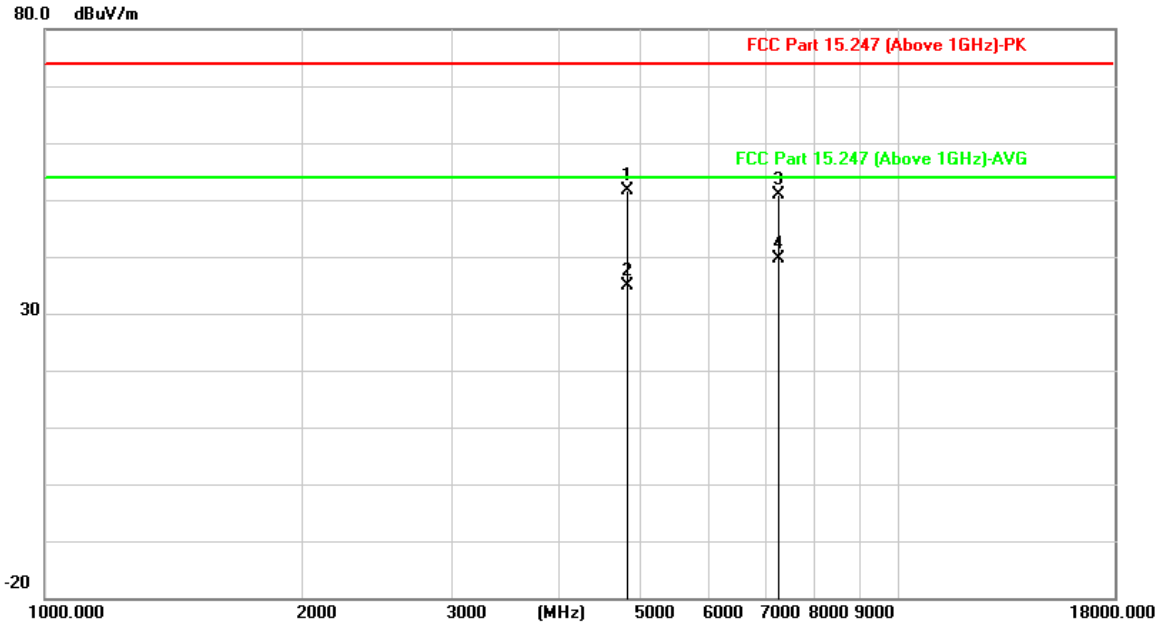
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4904.000	36.50	3.82	40.32	74.00	-33.68	peak	100	300
4904.000	26.19	3.82	30.01	54.00	-23.99	AVG	100	300
7356.000	36.62	9.71	46.33	74.00	-27.67	peak	100	200
7356.000	20.31	9.71	30.02	54.00	-23.98	AVG	100	200
4904.000	36.50	3.82	40.32	74.00	-33.68	peak	100	300
4904.000	26.19	3.82	30.01	54.00	-23.99	AVG	100	300

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

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



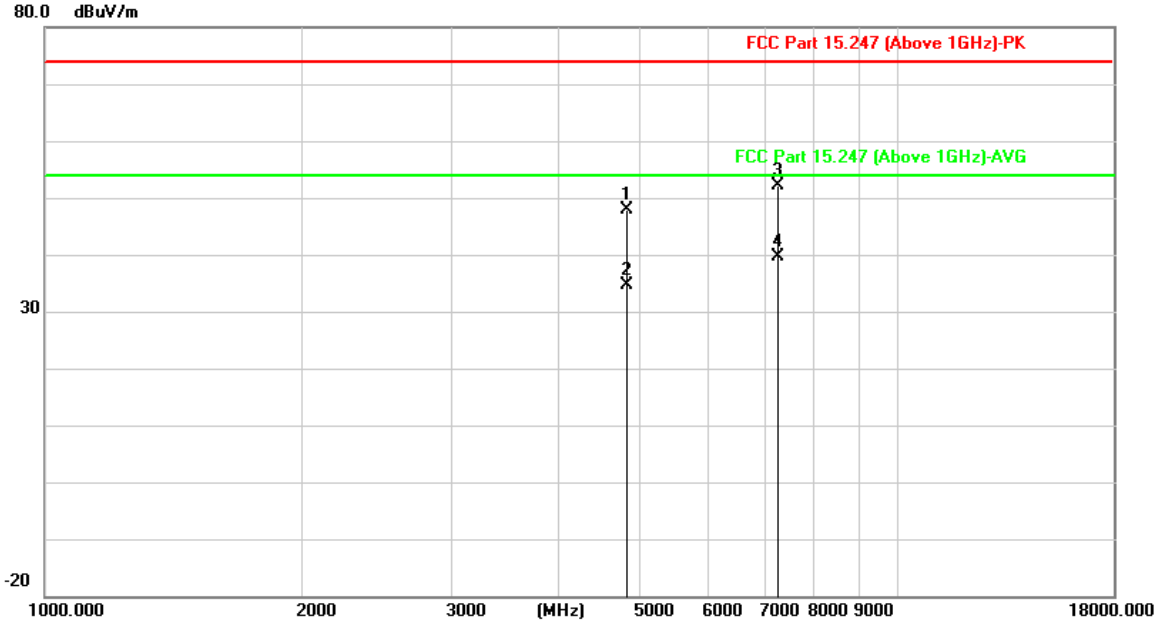
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	47.07	4.51	51.58	74.00	-22.42	peak	100	148
4824.000	30.26	4.51	34.77	54.00	-19.23	AVG	100	148
7236.000	41.81	9.13	50.94	74.00	-23.06	peak	100	226
7236.000	30.55	9.13	39.68	54.00	-14.32	AVG	100	226

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



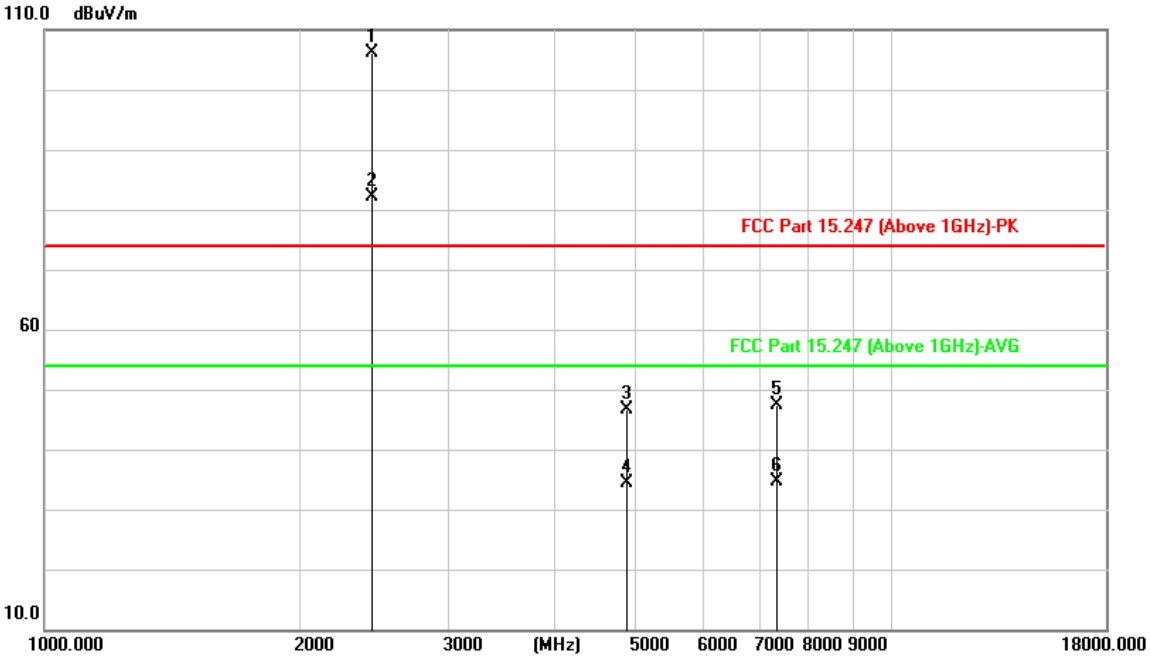
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	43.30	4.51	47.81	74.00	-26.19	peak	100	185
4824.000	30.14	4.51	34.65	54.00	-19.35	AVG	100	185
7236.000	43.06	9.13	52.19	74.00	-21.81	peak	100	158
7236.000	30.45	9.13	39.58	54.00	-14.42	AVG	100	158

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



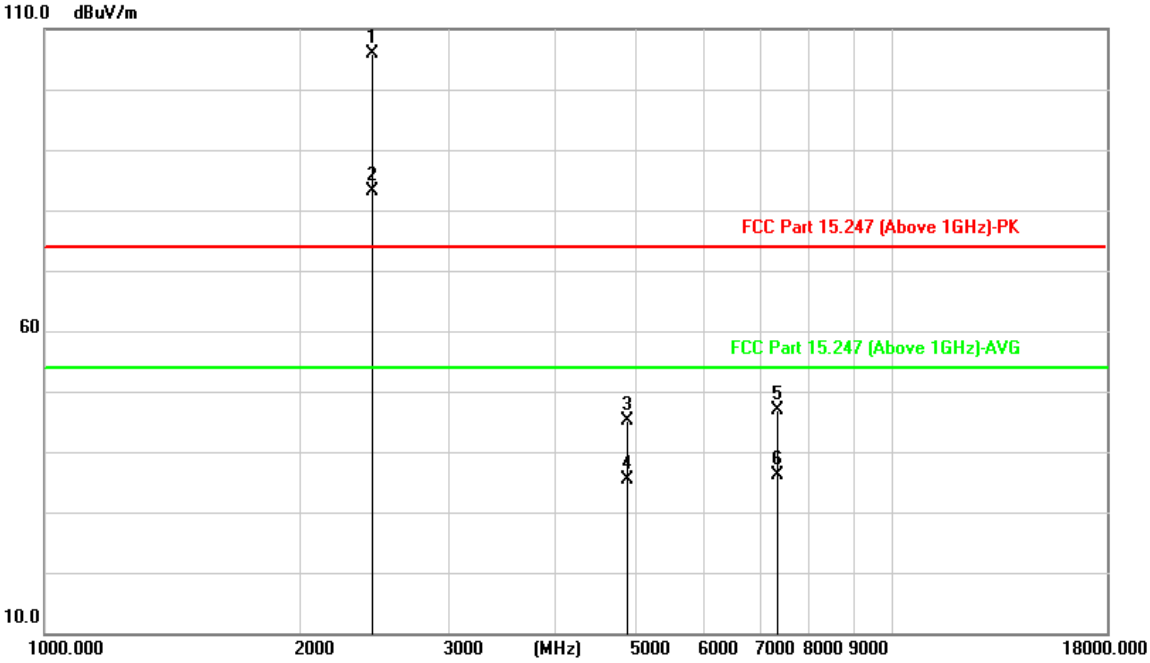
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	107.42	-1.27	106.15			peak	315	66
2437.000	83.41	-1.27	82.14			AVG	315	66
4874.000	41.94	4.64	46.58	74.00	-27.42	peak	100	205
4874.000	29.72	4.64	34.36	54.00	-19.64	AVG	100	205
7311.000	38.07	9.24	47.31	74.00	-26.69	peak	100	147
7311.000	25.42	9.24	34.66	54.00	-19.34	AVG	100	147

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_ Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



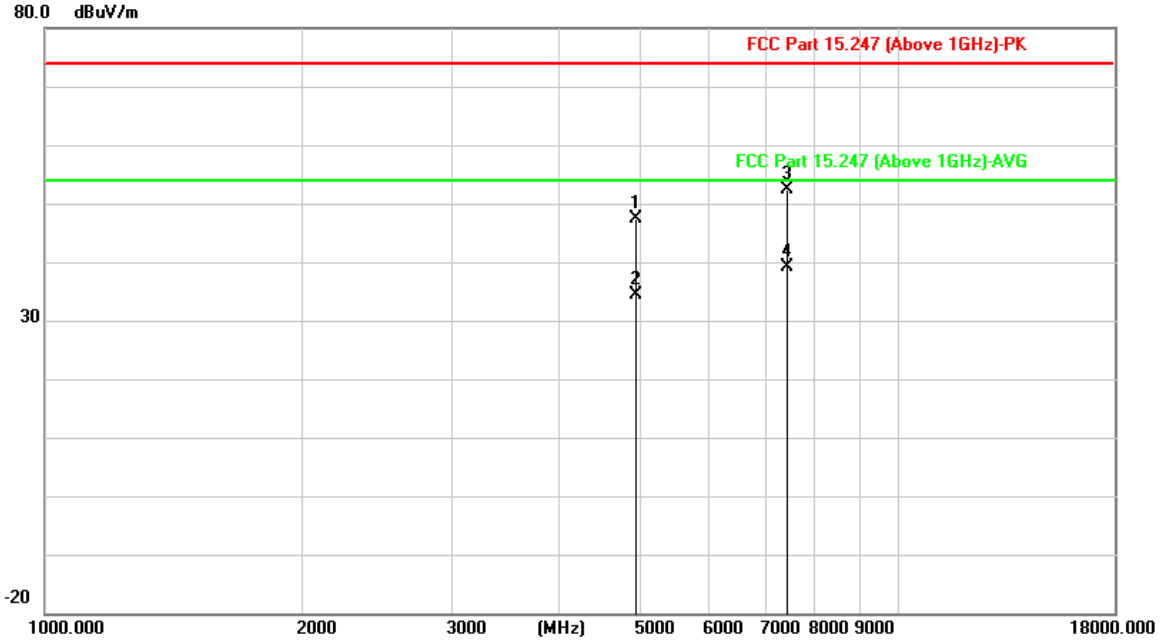
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	107.15	-1.27	105.88			peak	327	58
2437.000	84.41	-1.27	83.14			AVG	327	58
4874.000	40.54	4.64	45.18	74.00	-28.82	peak	100	114
4874.000	30.72	4.64	35.36	54.00	-18.64	AVG	100	114
7311.000	37.57	9.24	46.81	74.00	-27.19	peak	100	200
7311.000	26.87	9.24	36.11	54.00	-17.89	AVG	100	200

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



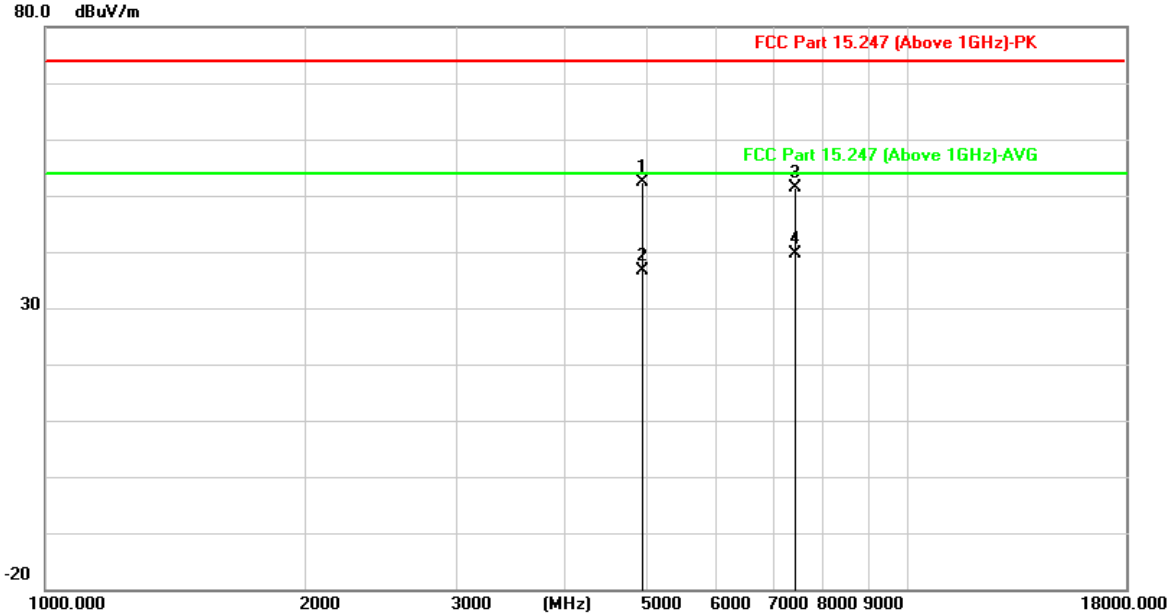
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	42.69	4.80	47.49	74.00	-26.51	peak	100	166
4924.000	29.56	4.80	34.36	54.00	-19.64	AVG	100	166
7386.000	43.11	9.33	52.44	74.00	-21.56	peak	100	271
7386.000	29.78	9.33	39.11	54.00	-14.89	AVG	100	271

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_ High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



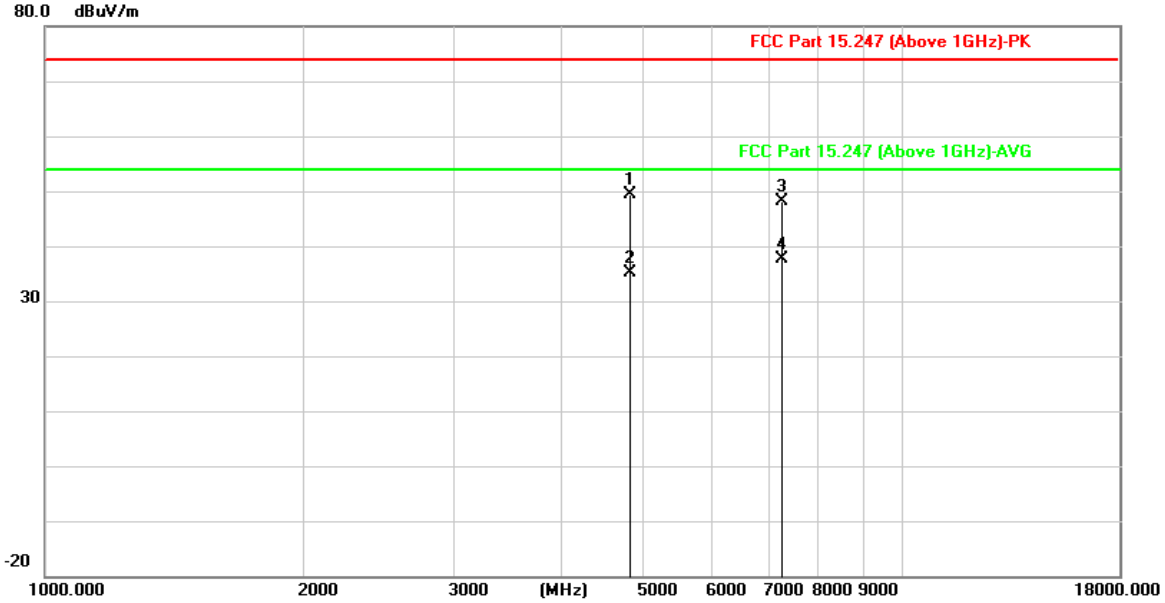
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	47.61	4.80	52.41	74.00	-21.59	peak	100	182
4924.000	31.75	4.80	36.55	54.00	-17.45	AVG	100	182
7386.000	42.10	9.33	51.43	74.00	-22.57	peak	100	146
7386.000	30.36	9.33	39.69	54.00	-14.31	AVG	100	146

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



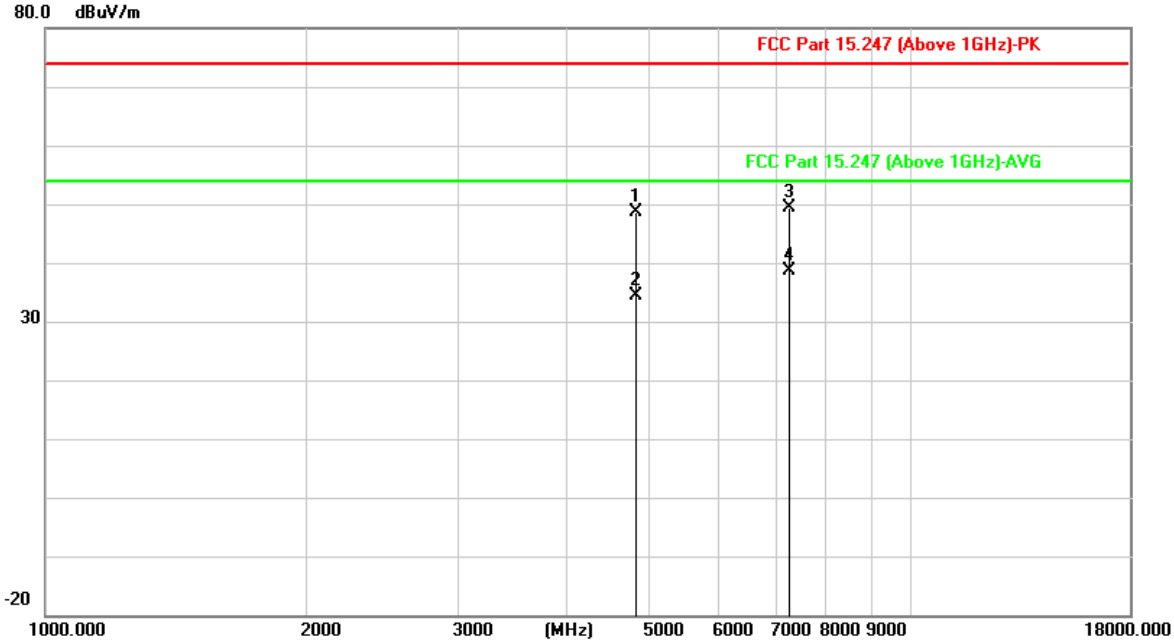
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	44.80	4.51	49.31	74.00	-24.69	peak	100	115
4824.000	30.62	4.51	35.13	54.00	-18.87	AVG	100	115
7236.000	39.03	9.13	48.16	74.00	-25.84	peak	100	246
7236.000	28.56	9.13	37.69	54.00	-16.31	AVG	100	246

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



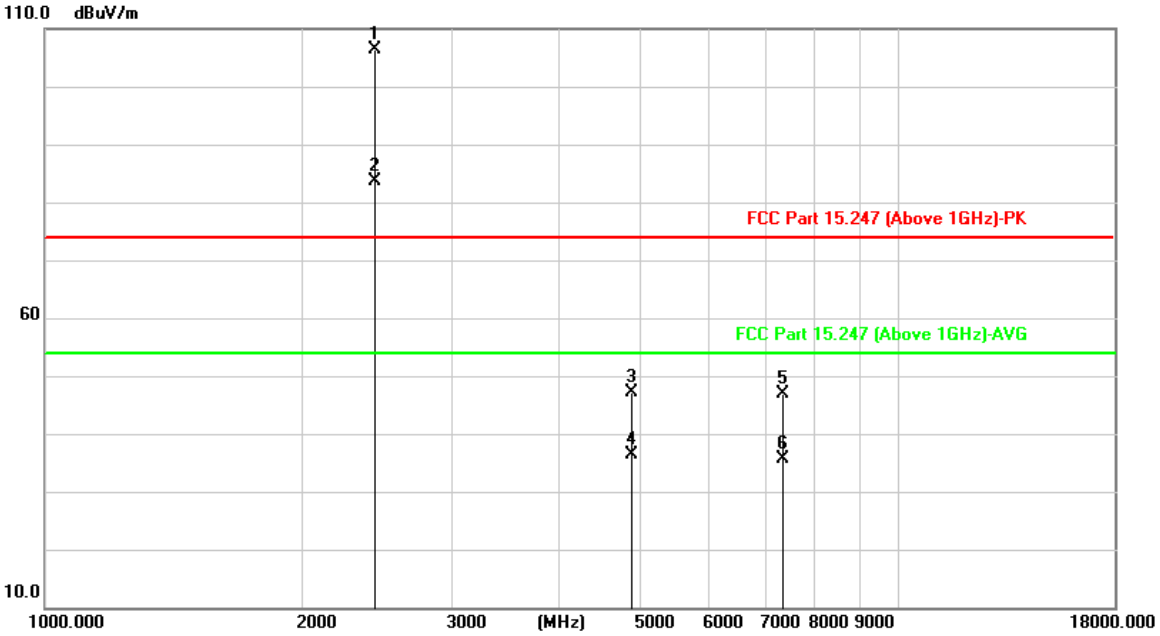
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	44.03	4.51	48.54	74.00	-25.46	peak	100	244
4824.000	29.99	4.51	34.50	54.00	-19.50	AVG	100	244
7236.000	40.31	9.13	49.44	74.00	-24.56	peak	100	278
7236.000	29.57	9.13	38.70	54.00	-15.30	AVG	100	278

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



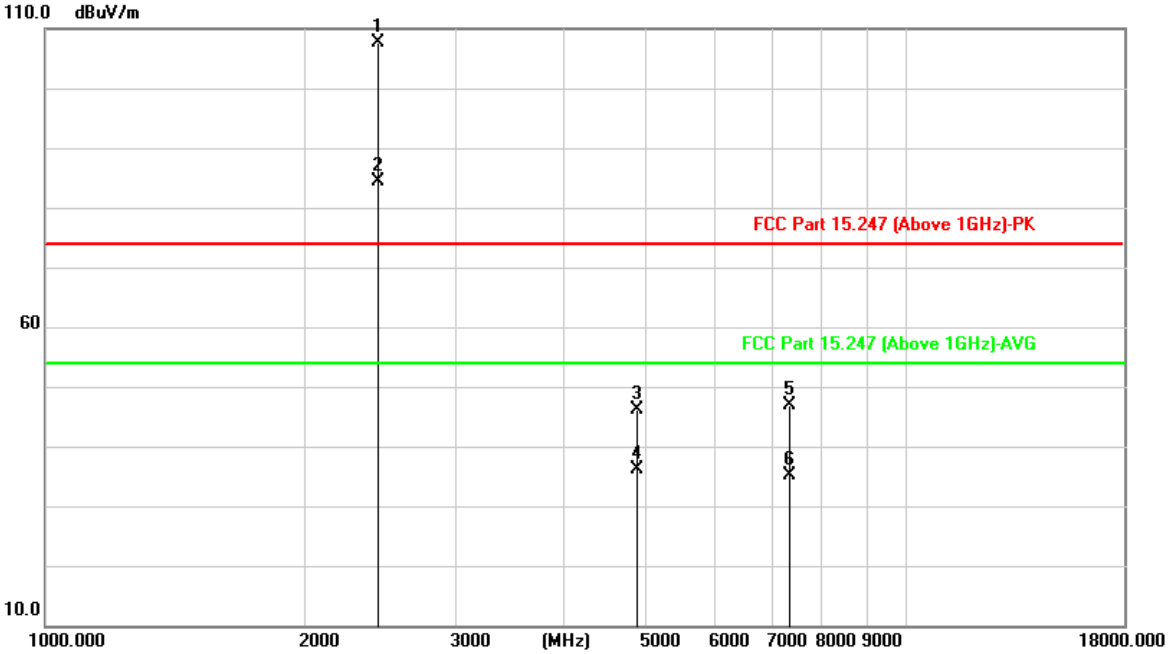
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	107.75	-1.27	106.48			peak	311	187
2437.000	84.84	-1.27	83.57			AVG	311	187
4874.000	42.52	4.64	47.16	74.00	-26.84	peak	100	268
4874.000	31.84	4.64	36.48	54.00	-17.52	AVG	100	268
7311.000	37.57	9.24	46.81	74.00	-27.19	peak	100	215
7311.000	26.45	9.24	35.69	54.00	-18.31	AVG	100	215

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_ Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



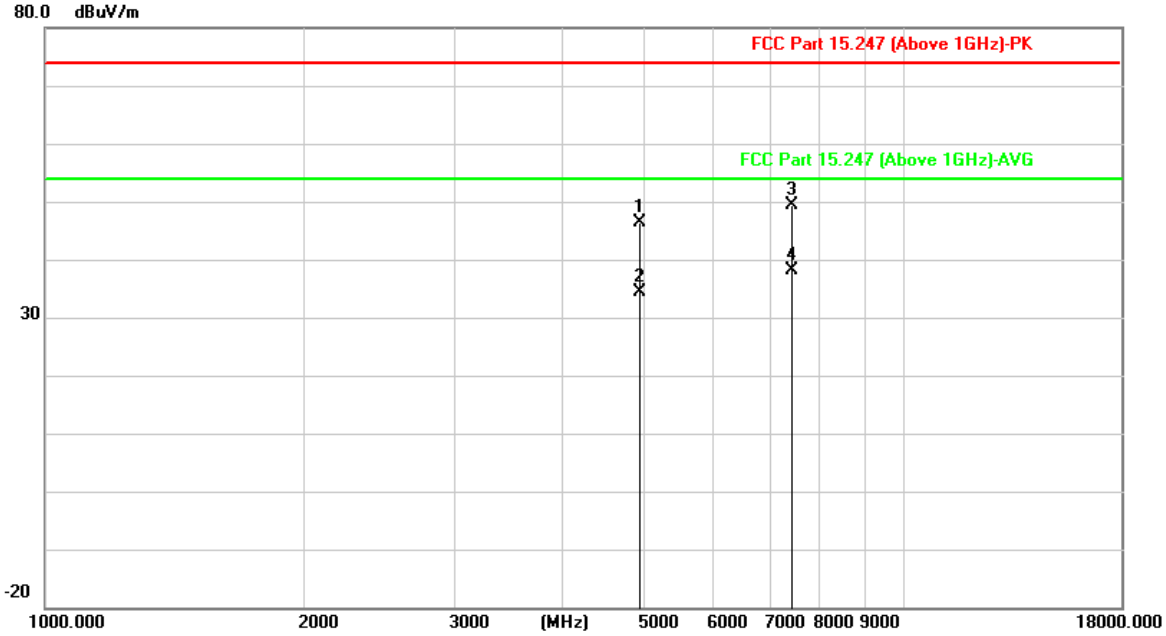
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	108.91	-1.27	107.64			peak	311	150
2437.000	85.63	-1.27	84.36			AVG	311	150
4874.000	41.47	4.64	46.11	74.00	-27.89	peak	100	48
4874.000	31.50	4.64	36.14	54.00	-17.86	AVG	100	48
7311.000	37.63	9.24	46.87	74.00	-27.13	peak	100	144
7311.000	25.90	9.24	35.14	54.00	-18.86	AVG	100	144

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



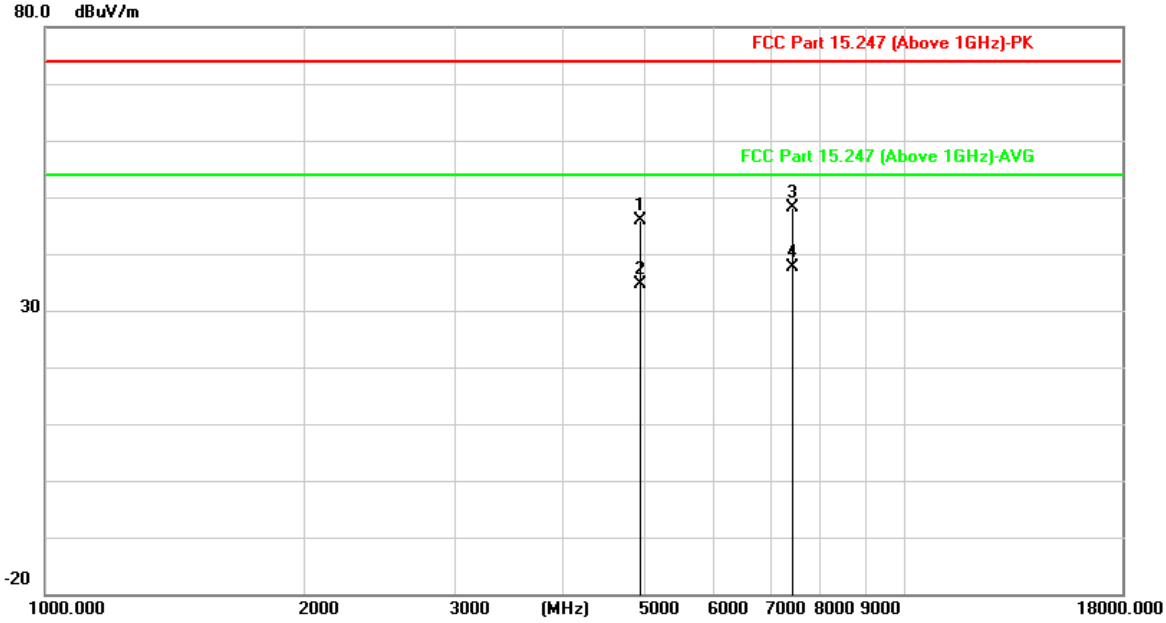
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	41.64	4.80	46.44	74.00	-27.56	peak	100	226
4924.000	29.58	4.80	34.38	54.00	-19.62	AVG	100	226
7386.000	39.96	9.33	49.29	74.00	-24.71	peak	100	148
7386.000	28.78	9.33	38.11	54.00	-15.89	AVG	100	148

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_ High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



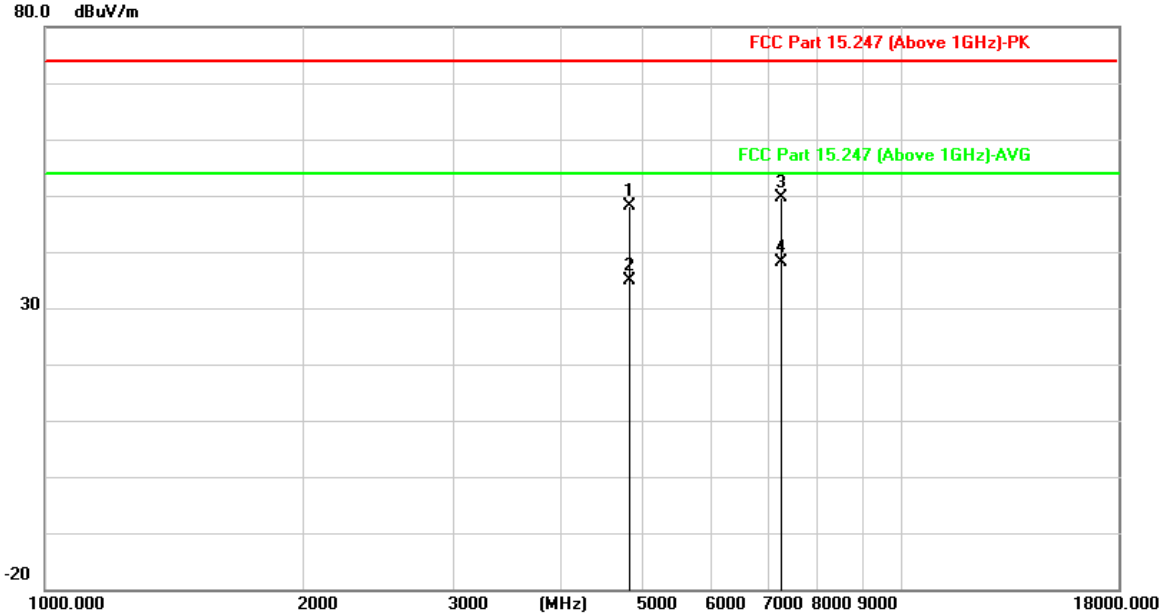
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	41.15	4.80	45.95	74.00	-28.05	peak	100	144
4924.000	29.89	4.80	34.69	54.00	-19.31	AVG	100	144
7386.000	38.83	9.33	48.16	74.00	-25.84	peak	100	185
7386.000	28.33	9.33	37.66	54.00	-16.34	AVG	100	185

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



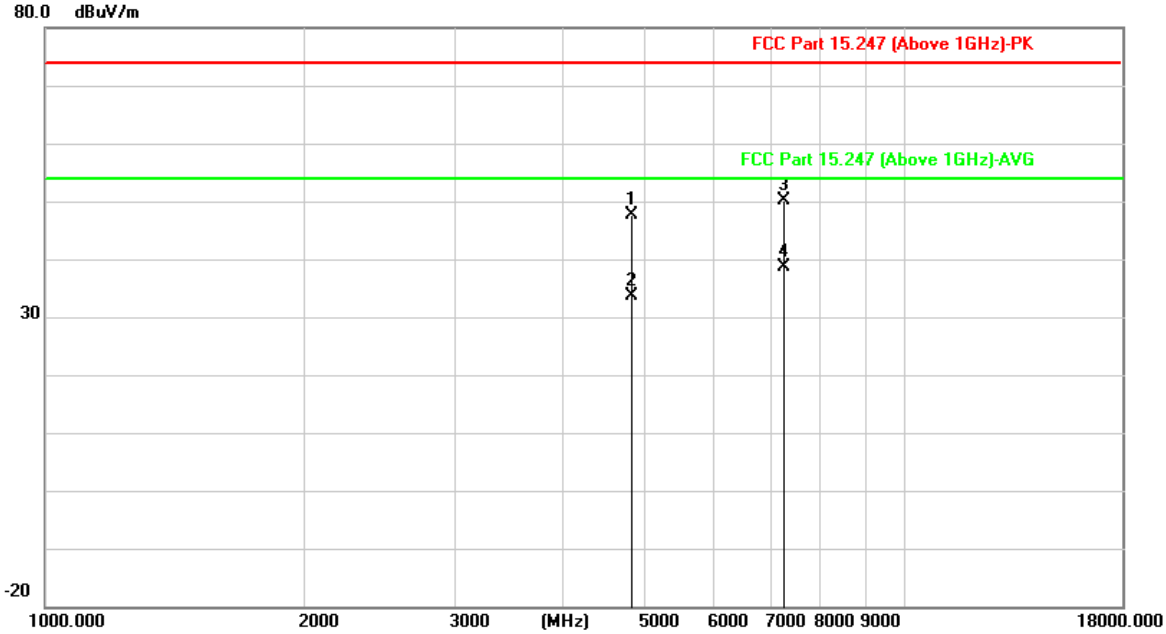
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	43.60	4.51	48.11	74.00	-25.89	peak	100	274
4824.000	30.27	4.51	34.78	54.00	-19.22	AVG	100	274
7236.000	40.54	9.13	49.67	74.00	-24.33	peak	100	246
7236.000	29.03	9.13	38.16	54.00	-15.84	AVG	100	246

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



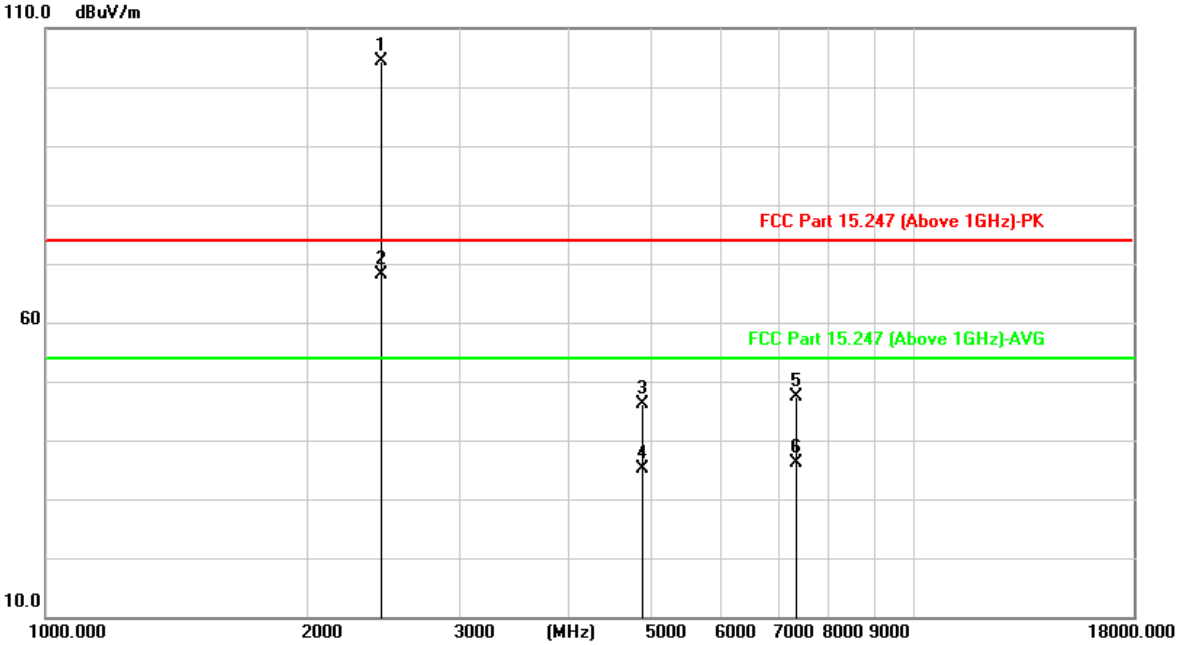
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4824.000	43.18	4.51	47.69	74.00	-26.31	peak	100	288
4824.000	29.00	4.51	33.51	54.00	-20.49	AVG	100	288
7236.000	40.98	9.13	50.11	74.00	-23.89	peak	100	215
7236.000	29.55	9.13	38.68	54.00	-15.32	AVG	100	215

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



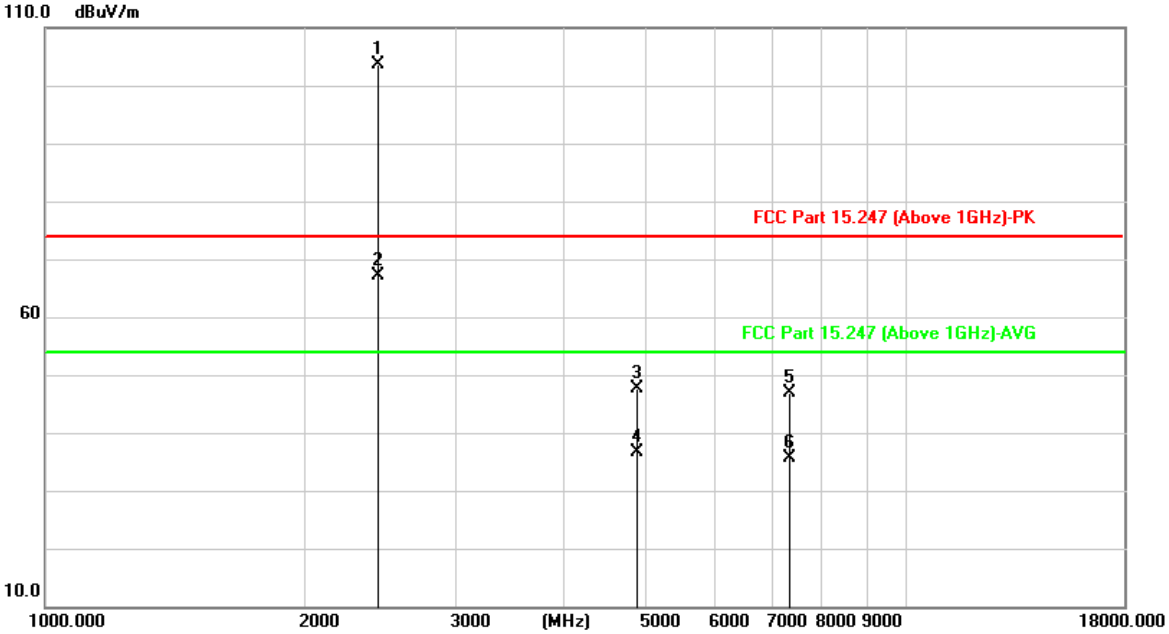
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	105.58	-1.27	104.31			peak	368	56
2437.000	69.43	-1.27	68.16			AVG	368	56
4874.000	41.50	4.64	46.14	74.00	-27.86	peak	100	254
4874.000	30.53	4.64	35.17	54.00	-18.83	AVG	100	254
7311.000	38.06	9.24	47.30	74.00	-26.70	peak	100	114
7311.000	26.91	9.24	36.15	54.00	-17.85	AVG	100	114

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_ Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



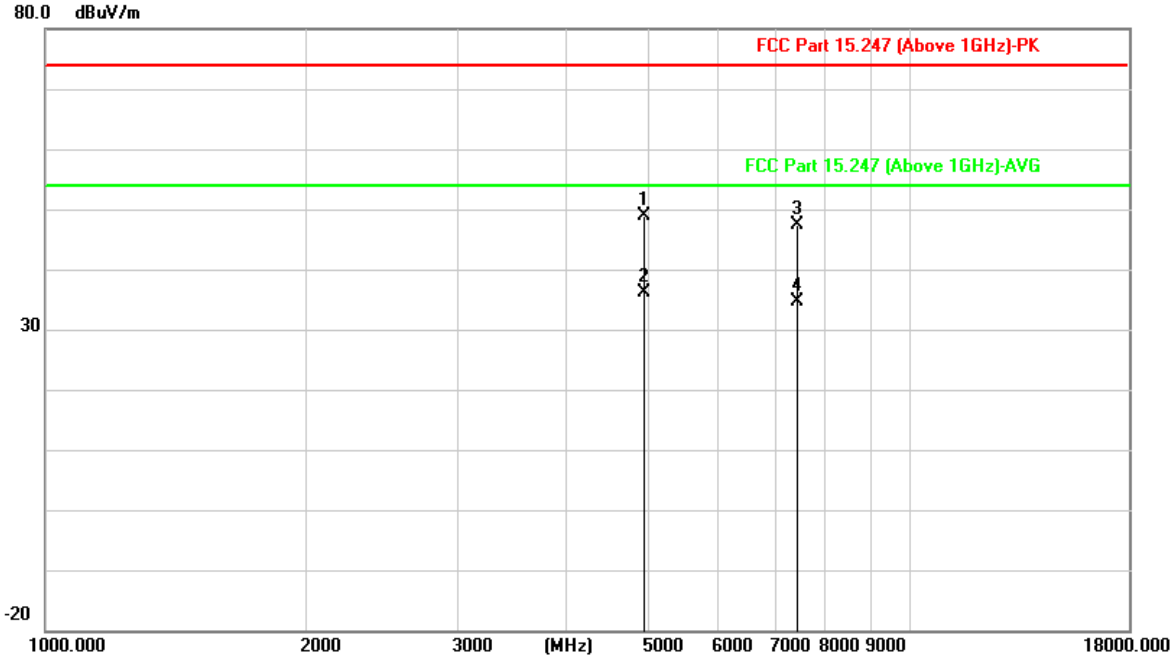
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	104.91	-1.27	103.64			peak	358	147
2437.000	68.42	-1.27	67.15			AVG	358	147
4874.000	43.01	4.64	47.65	74.00	-26.35	peak	100	214
4874.000	32.10	4.64	36.74	54.00	-17.26	AVG	100	214
7311.000	37.68	9.24	46.92	74.00	-27.08	peak	100	162
7311.000	26.43	9.24	35.67	54.00	-18.33	AVG	100	162

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



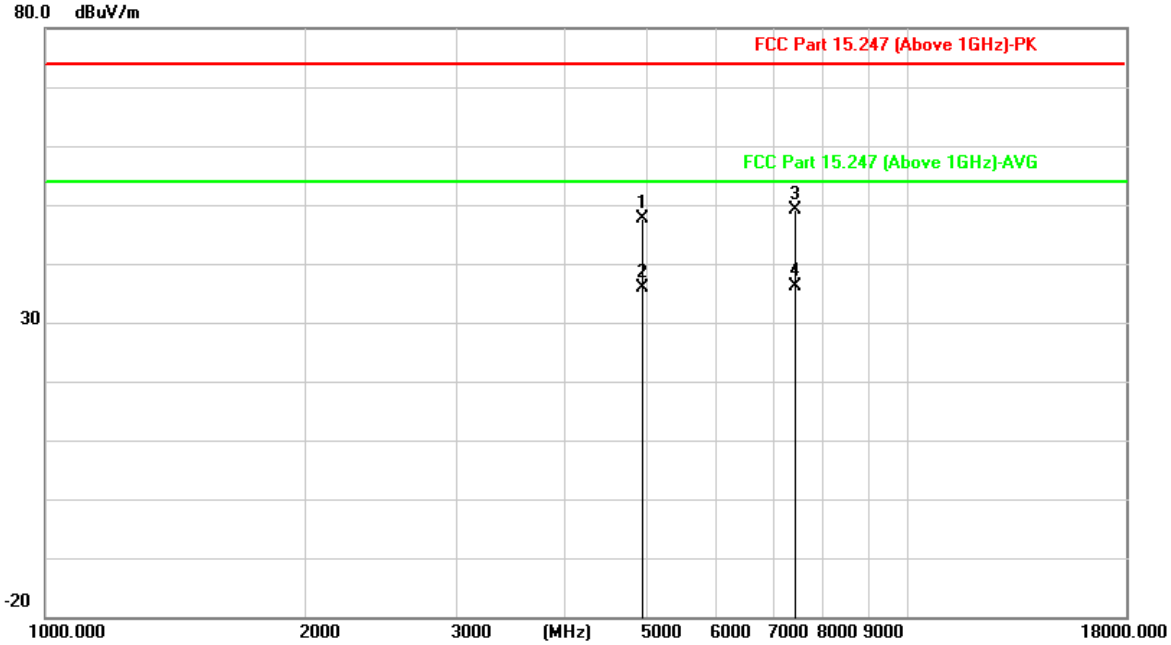
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	43.97	4.80	48.77	74.00	-25.23	peak	100	269
4924.000	31.34	4.80	36.14	54.00	-17.86	AVG	100	269
7386.000	38.02	9.33	47.35	74.00	-26.65	peak	100	128
7386.000	25.33	9.33	34.66	54.00	-19.34	AVG	100	128

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_ High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

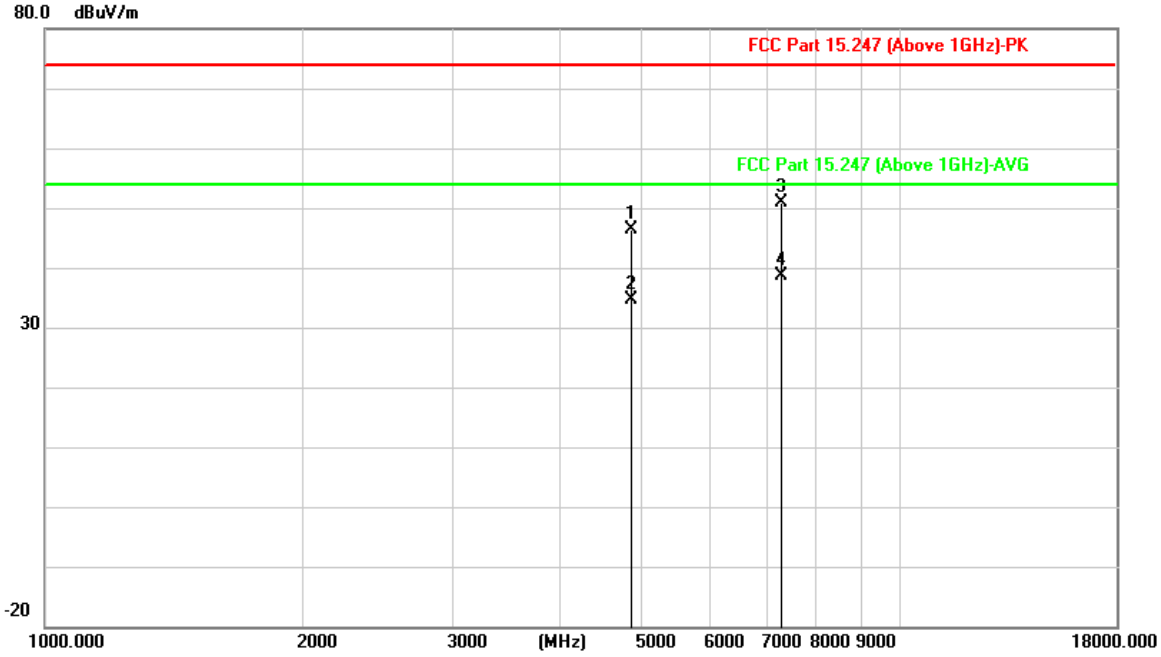
Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4924.000	42.89	4.80	47.69	74.00	-26.31	peak	100	215
4924.000	31.04	4.80	35.84	54.00	-18.16	AVG	100	215
7386.000	39.89	9.33	49.22	74.00	-24.78	peak	100	118
7386.000	26.82	9.33	36.15	54.00	-17.85	AVG	100	118

.

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



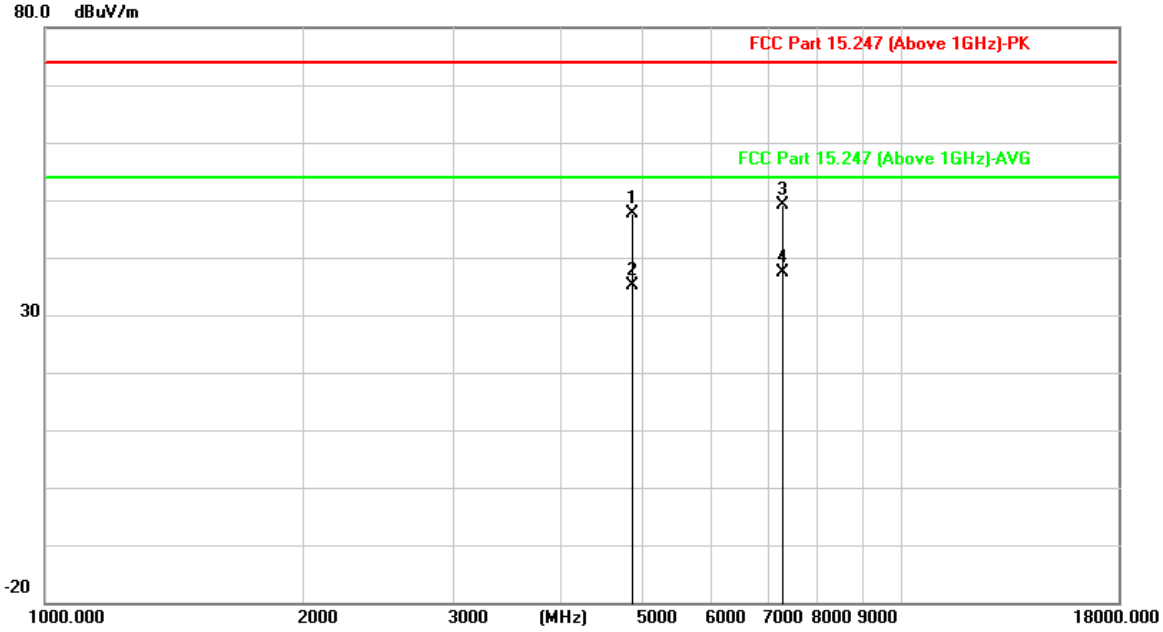
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4844.000	41.91	4.56	46.47	74.00	-27.53	peak	100	145
4844.000	30.10	4.56	34.66	54.00	-19.34	AVG	100	145
7266.000	41.79	9.16	50.95	74.00	-23.05	peak	100	216
7266.000	29.41	9.16	38.57	54.00	-15.43	AVG	100	216

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_ Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



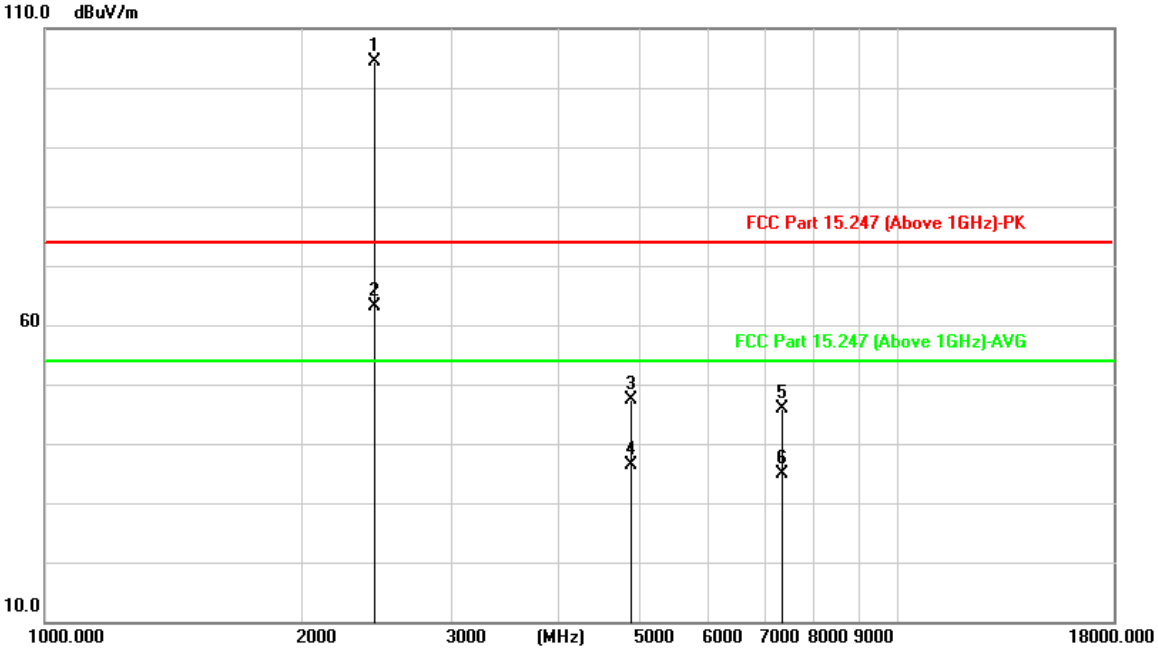
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4844.000	43.10	4.56	47.66	74.00	-26.34	peak	100	184
4844.000	30.58	4.56	35.14	54.00	-18.86	AVG	100	184
7266.000	40.01	9.16	49.17	74.00	-24.83	peak	100	203
7266.000	28.17	9.16	37.33	54.00	-16.67	AVG	100	203

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



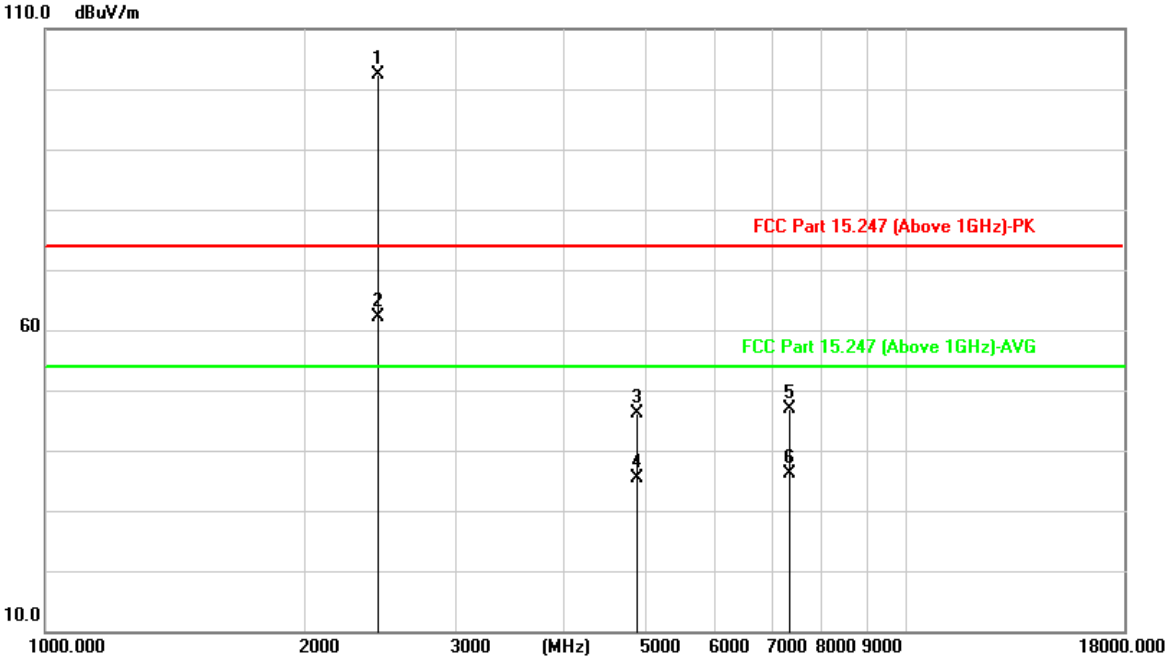
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	105.62	-1.27	104.35			peak	368	53
2437.000	64.41	-1.27	63.14			AVG	368	53
4874.000	42.67	4.64	47.31	74.00	-26.69	peak	100	211
4874.000	31.83	4.64	36.47	54.00	-17.53	AVG	100	211
7311.000	36.53	9.24	45.77	74.00	-28.23	peak	100	175
7311.000	25.57	9.24	34.81	54.00	-19.19	AVG	100	175

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Mid channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



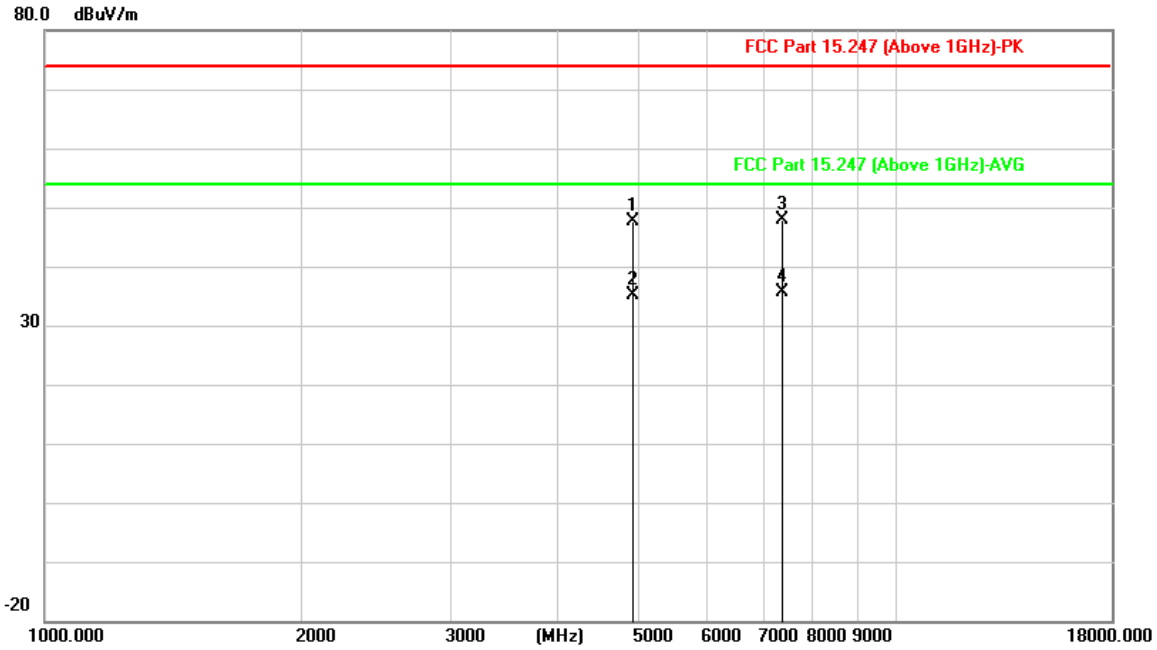
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
2437.000	103.63	-1.27	102.36			peak	347	67
2437.000	63.45	-1.27	62.18			AVG	347	67
4874.000	41.47	4.64	46.11	74.00	-27.89	peak	100	265
4874.000	30.67	4.64	35.31	54.00	-18.69	AVG	100	265
7311.000	37.54	9.24	46.78	74.00	-27.22	peak	100	120
7311.000	26.90	9.24	36.14	54.00	-17.86	AVG	100	120

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



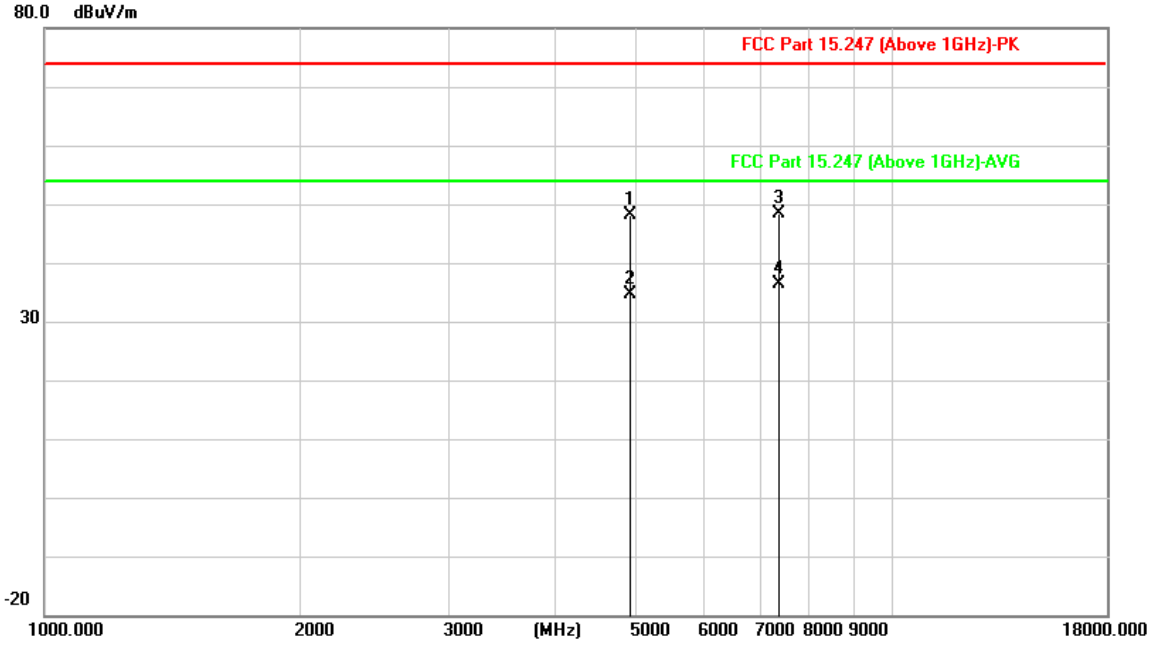
Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4904.000	42.89	4.75	47.64	74.00	-26.36	peak	100	177
4904.000	30.41	4.75	35.16	54.00	-18.84	AVG	100	177
7356.000	38.59	9.29	47.88	74.00	-26.12	peak	100	158
7356.000	26.35	9.29	35.64	54.00	-18.36	AVG	100	158

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
4904.000	43.40	4.75	48.15	74.00	-25.85	peak	100	231
4904.000	29.92	4.75	34.67	54.00	-19.33	AVG	100	231
7356.000	39.05	9.29	48.34	74.00	-25.66	peak	100	125
7356.000	27.15	9.29	36.44	54.00	-17.56	AVG	100	125

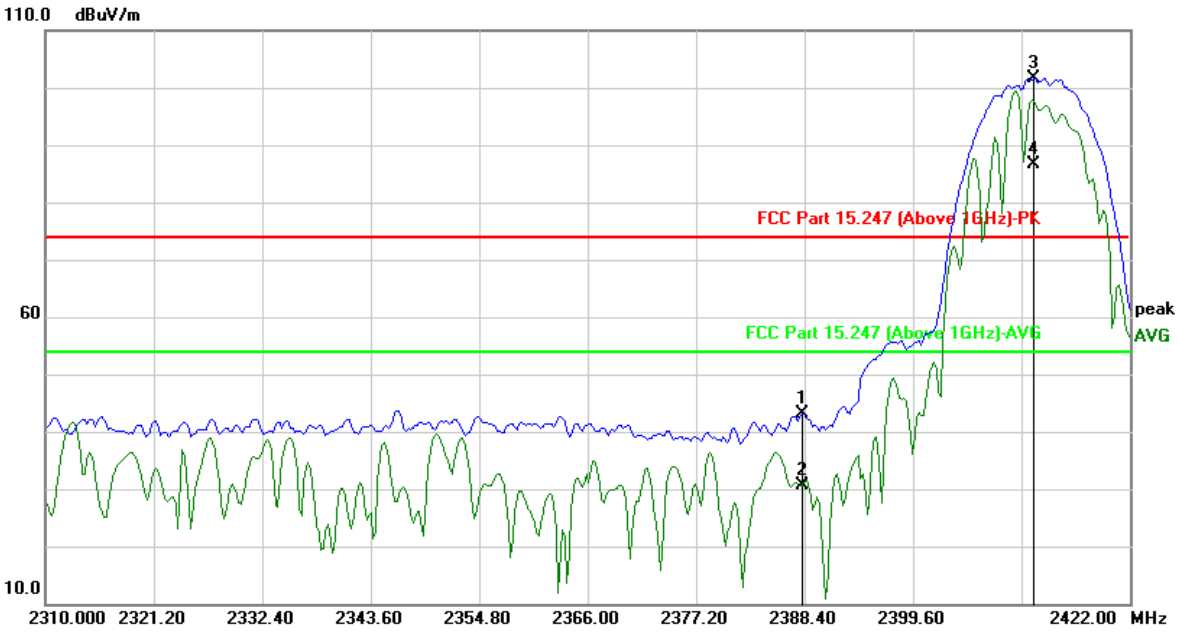
Appendix B.6: Test Results of Radiated Emissions in Restricted Bands
Wi-Fi 802.11 b mode, 1 Mbps

Wi-Fi Module 1 (model: nxp8997):

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



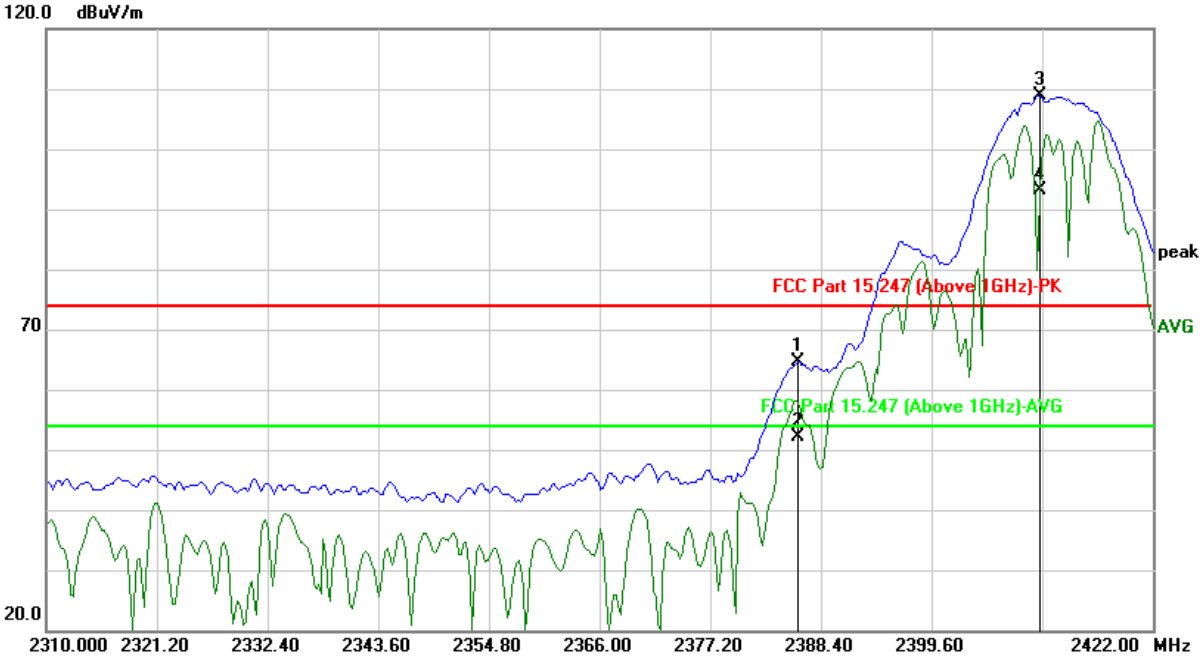
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2388.108	45.55	-2.40	43.15	74.00	-30.85	peak	359	302
2	2388.108	33.09	-2.40	30.69	54.00	-23.31	AVG	359	302
3 *	2412.124	104.08	-2.37	101.71			peak	359	302
4 *	2412.124	89.07	-2.37	86.70			AVG	359	302

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



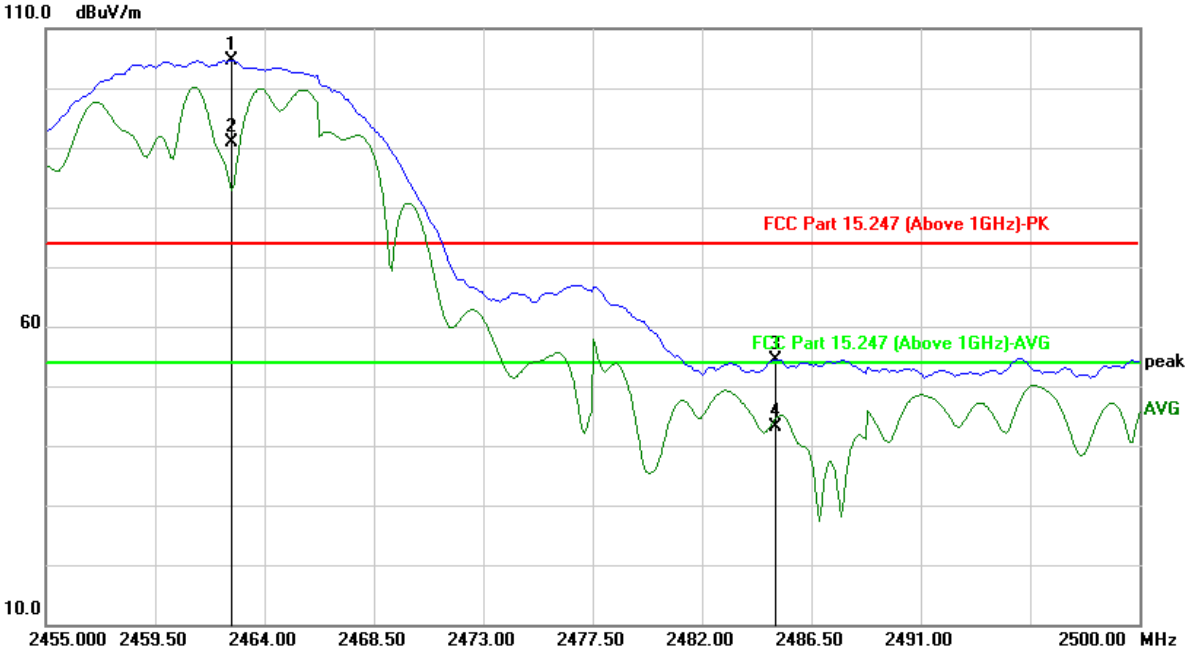
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2386.088	67.09	-2.40	64.69	74.00	-9.31	peak	395	19
2	2386.088	54.51	-2.40	52.11	54.00	-1.89	AVG	395	19
3 *	2410.553	111.30	-2.37	108.93			peak	395	19
4 *	2410.553	95.60	-2.37	93.23			AVG	395	19

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



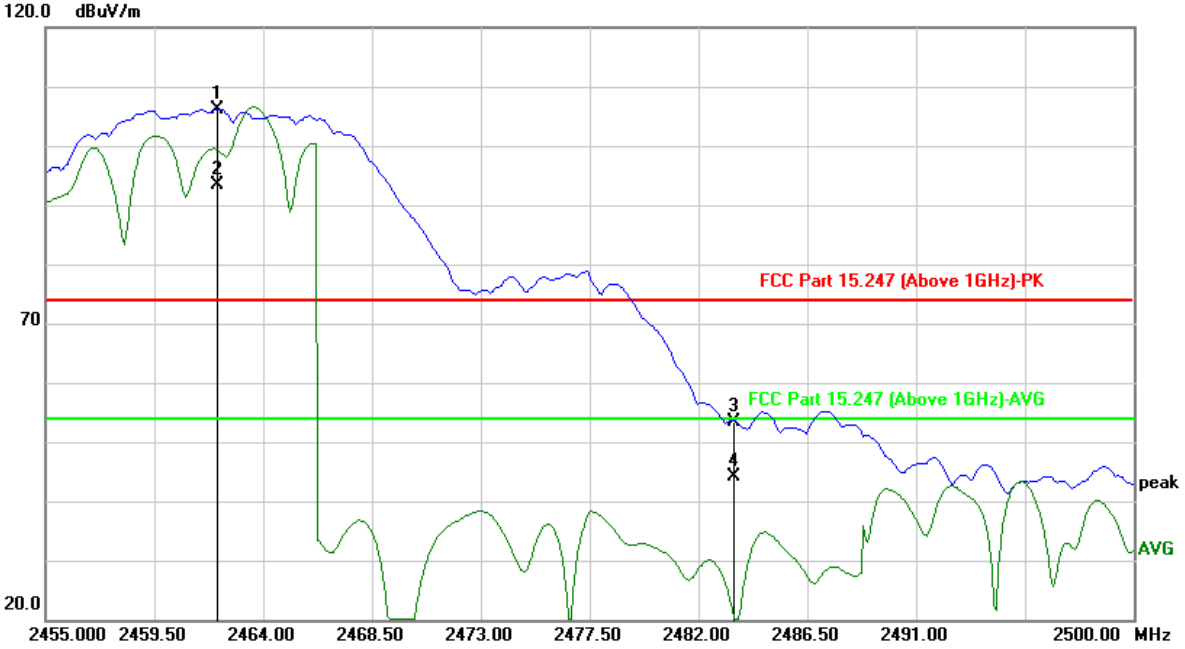
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2462.665	106.91	-2.32	104.59			peak	380	360
2 *	2462.665	93.13	-2.32	90.81			AVG	380	360
3	2485.030	56.78	-2.28	54.50	74.00	-19.50	peak	380	360
4	2485.030	45.33	-2.28	43.05	54.00	-10.95	AVG	380	360

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

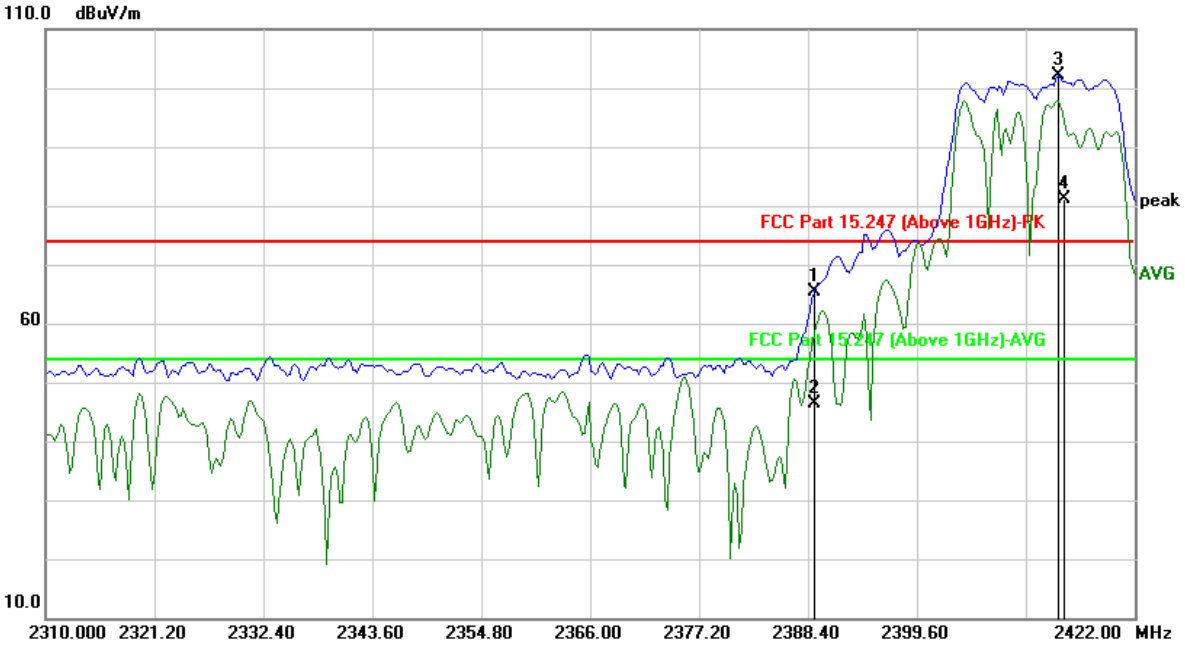
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2462.124	108.46	-2.32	106.14			peak	347	6
2	2462.124	95.62	-2.32	93.30			AVG	347	6
3 *	2483.500	55.63	-2.29	53.34	74.00	-20.66	peak	347	6
4 *	2483.500	46.30	-2.29	44.01	54.00	-9.99	AVG	347	6

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



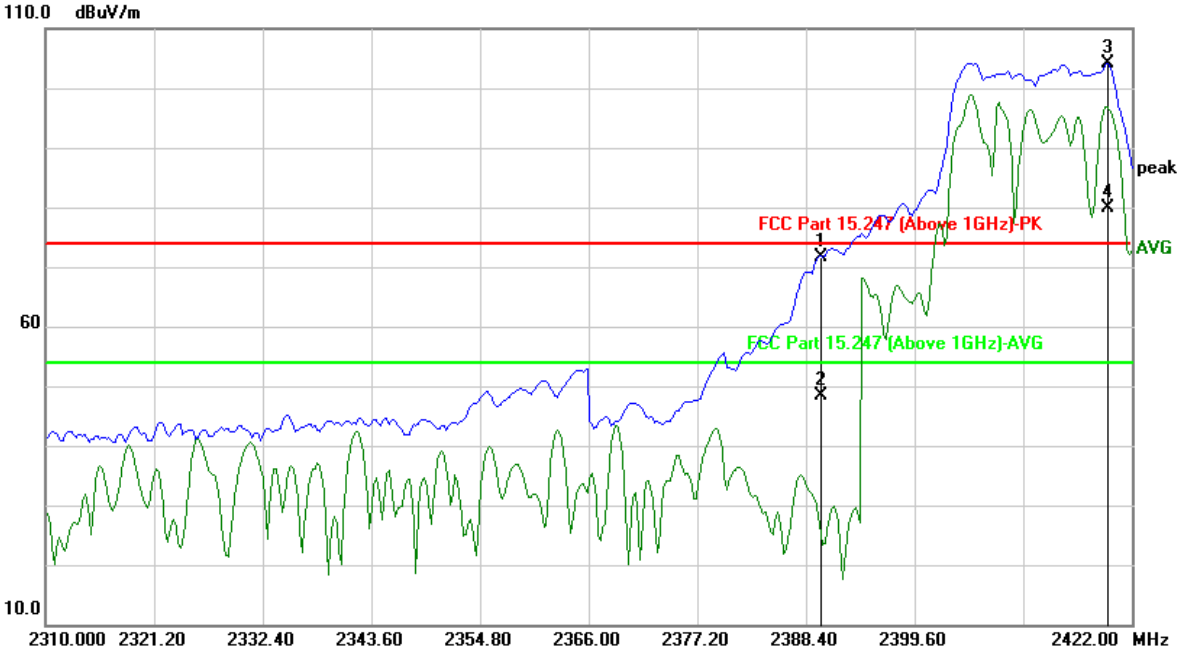
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2389.006	67.75	-2.39	65.36	74.00	-8.64	peak	340	360
2	2389.006	48.80	-2.39	46.41	54.00	-7.59	AVG	340	360
3 *	2414.144	104.54	-2.37	102.17			peak	340	360
4 *	2414.818	83.50	-2.37	81.13			AVG	340	360

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



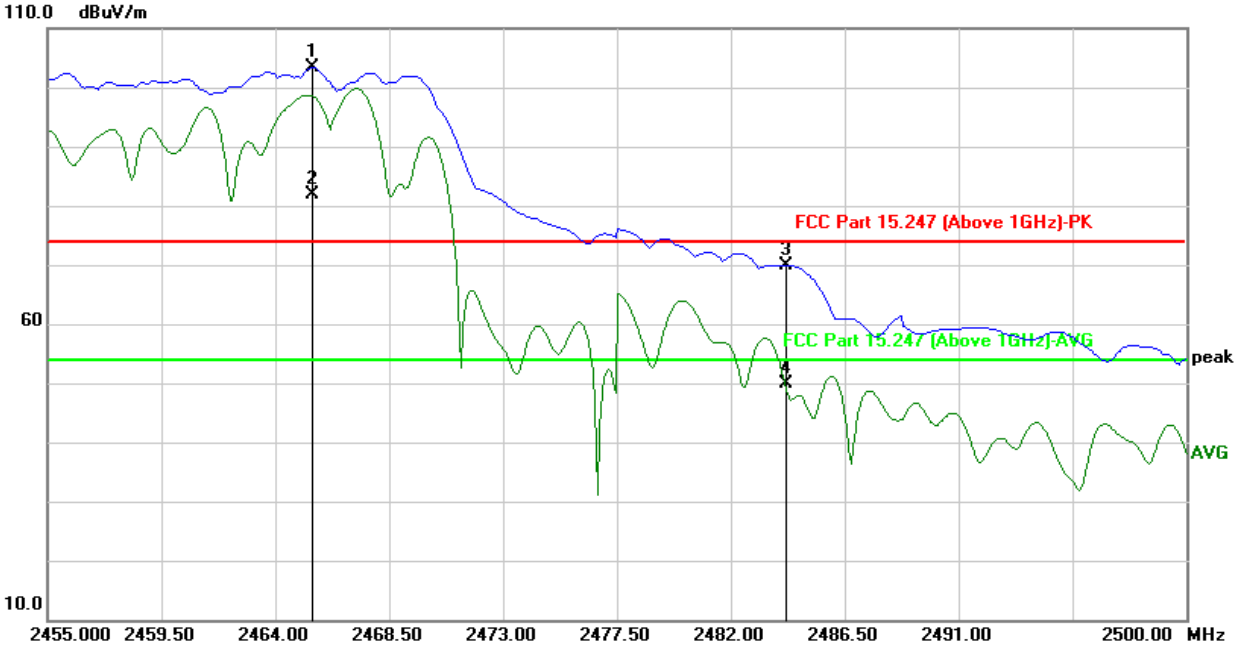
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	74.13	-2.40	71.73	74.00	-2.27	peak	224	355
2	2390.000	50.89	-2.40	48.49	54.00	-5.51	AVG	224	355
3 *	2419.531	106.46	-2.36	104.10			peak	224	355
4 *	2419.531	82.25	-2.36	79.89			AVG	224	355

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



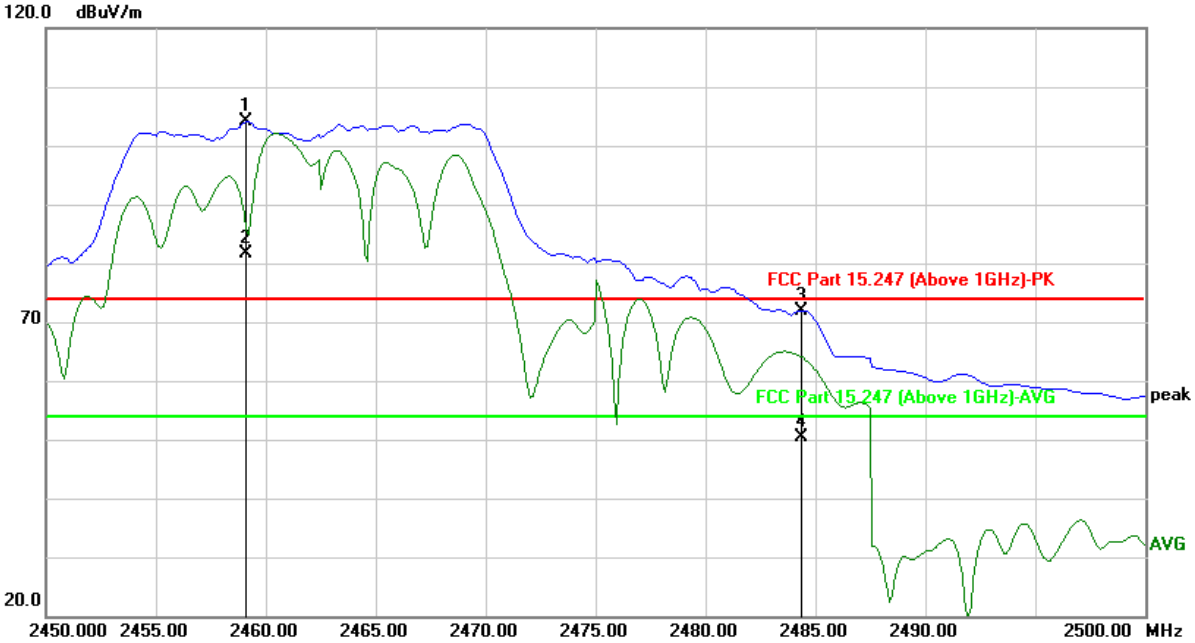
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2465.461	105.64	-2.33	103.31			peak	390	360
2 *	2465.461	84.24	-2.33	81.91			AVG	390	360
3	2484.218	72.23	-2.29	69.94	74.00	-4.06	peak	390	360
4	2484.218	52.09	-2.29	49.80	54.00	-4.20	AVG	390	360

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

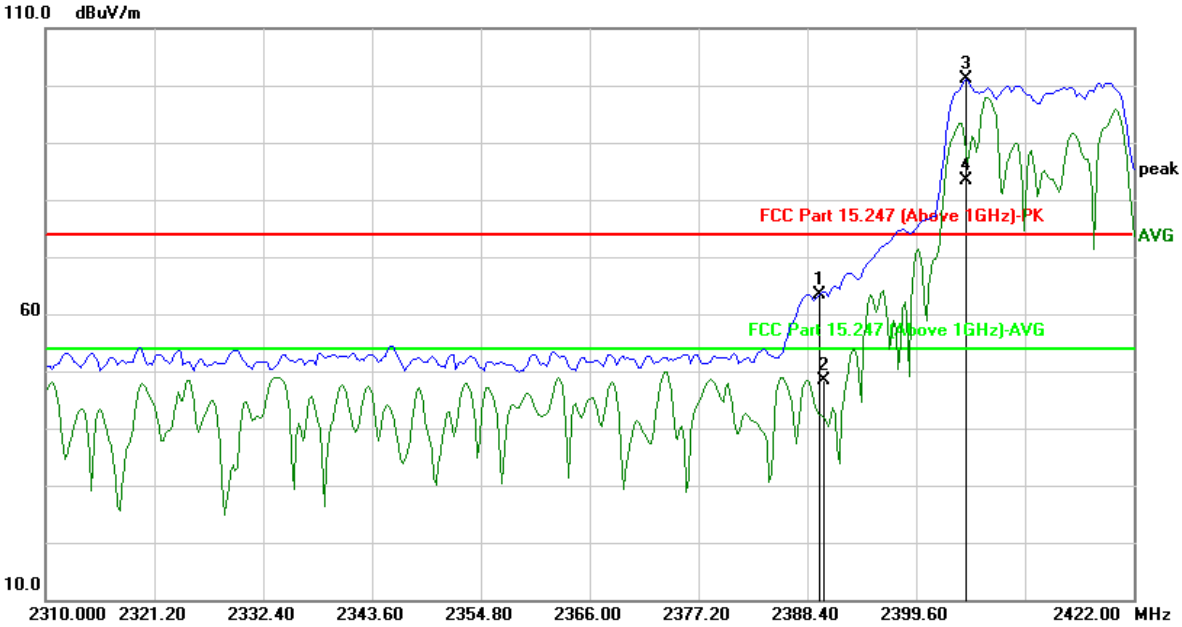
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2459.118	106.49	-2.32	104.17			peak	372	8
2 *	2459.118	84.03	-2.32	81.71			AVG	372	8
3	2484.369	74.21	-2.29	71.92	74.00	-2.08	peak	372	8
4	2484.369	52.57	-2.29	50.28	54.00	-3.72	AVG	372	8

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



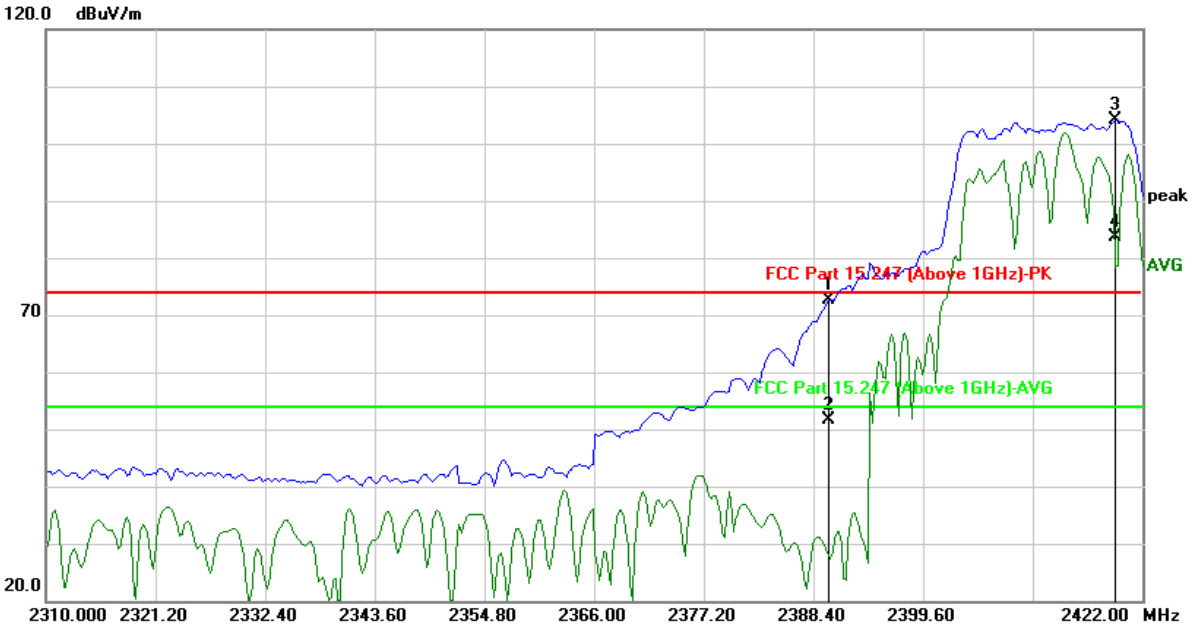
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2389.679	65.77	-2.39	63.38	74.00	-10.62	peak	270	360
2	2390.128	50.68	-2.40	48.28	54.00	-5.72	AVG	270	360
3 *	2404.717	103.44	-2.37	101.07			peak	270	360
4 *	2404.717	85.67	-2.37	83.30			AVG	270	360

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



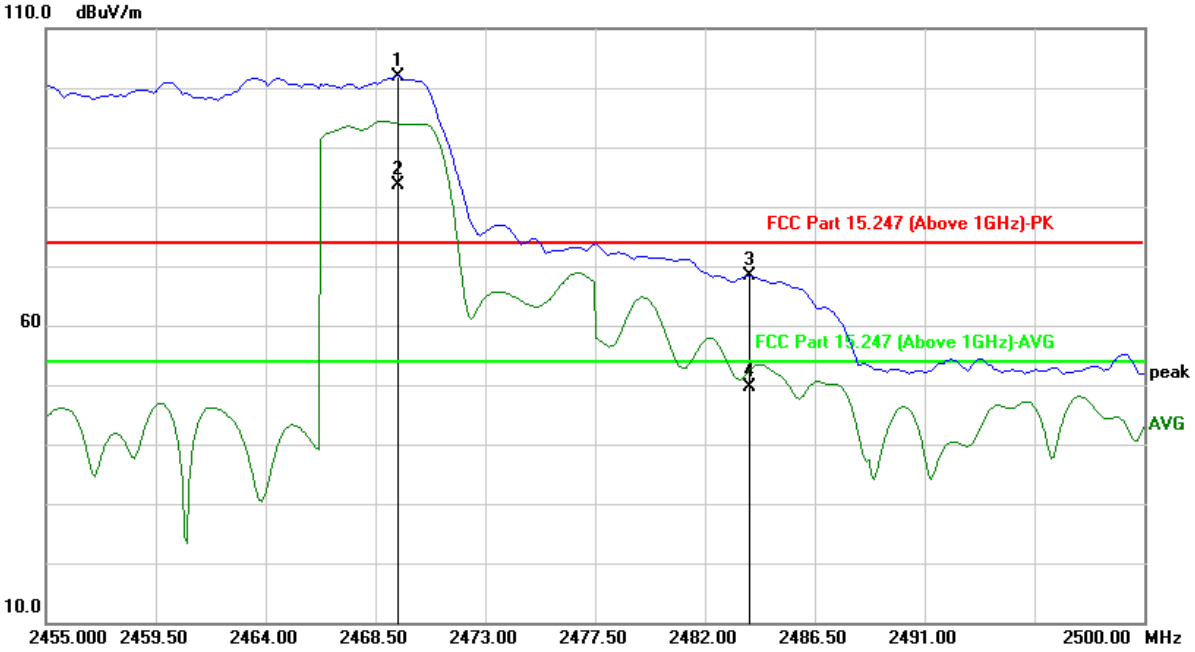
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	75.14	-2.40	72.74	74.00	-1.26	peak	375	19
2	2390.000	53.92	-2.40	51.52	54.00	-2.48	AVG	375	19
3 *	2419.307	106.53	-2.37	104.16			peak	375	19
4 *	2419.307	85.90	-2.37	83.53			AVG	375	19

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



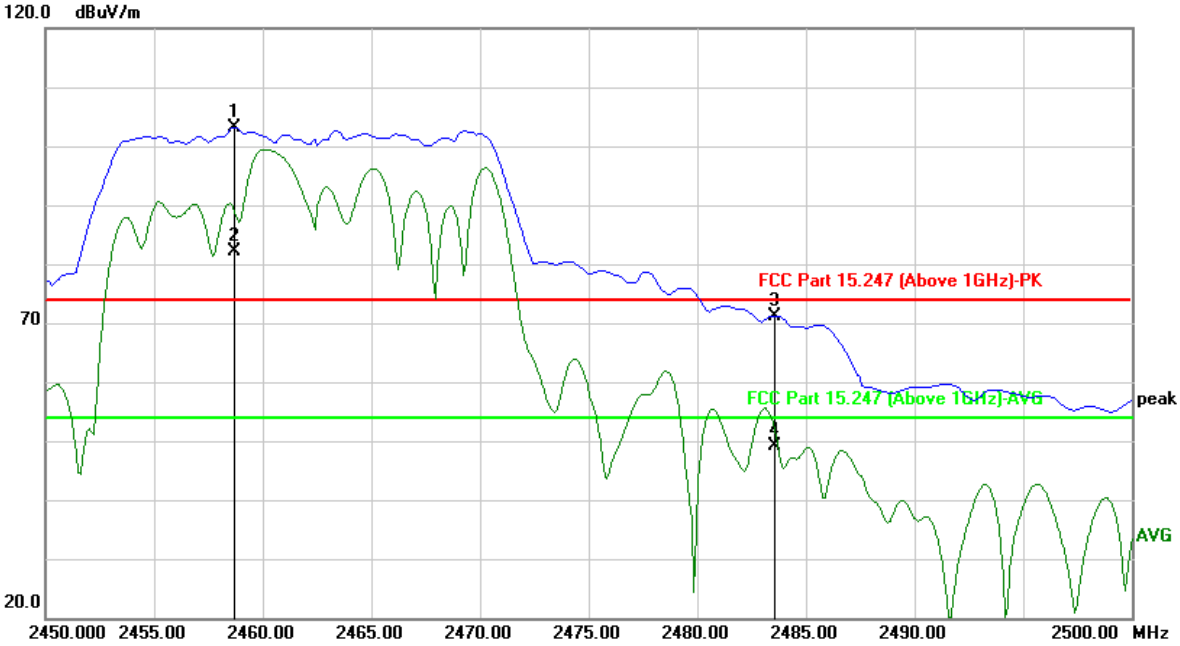
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2469.429	104.31	-2.31	102.00			peak	390	360
2 *	2469.429	85.91	-2.31	83.60			AVG	390	360
3	2483.858	70.64	-2.29	68.35	74.00	-5.65	peak	390	360
4	2483.858	51.84	-2.29	49.55	54.00	-4.45	AVG	390	360

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

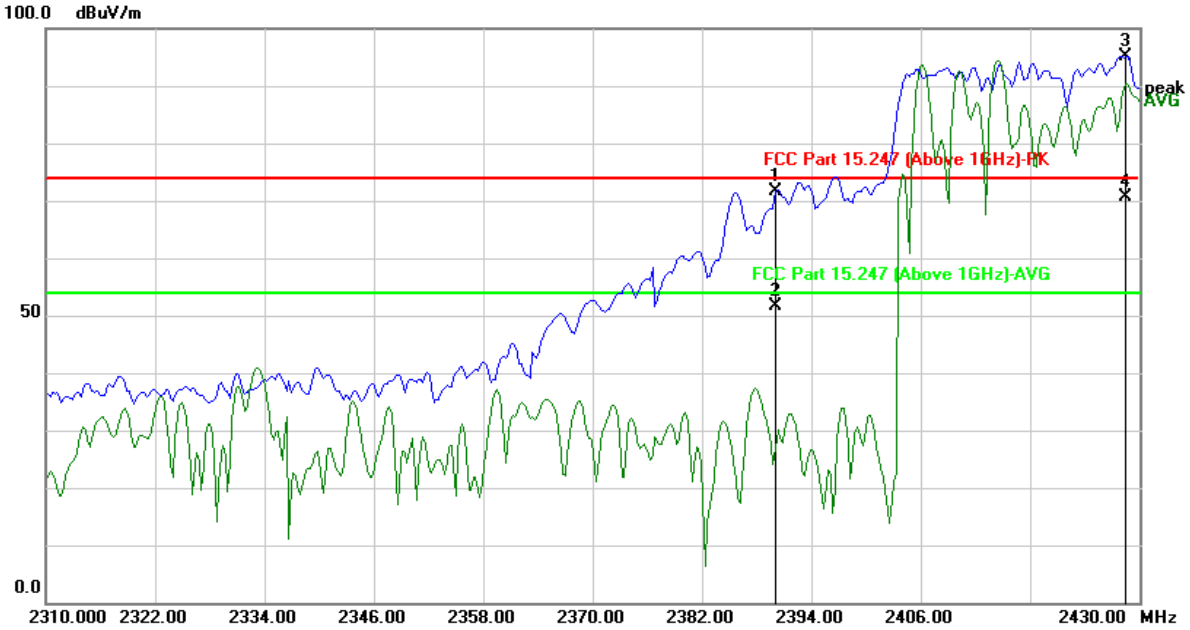
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2458.717	105.43	-2.32	103.11			peak	360	12
2 *	2458.717	84.46	-2.32	82.14			AVG	360	12
3	2483.567	73.53	-2.29	71.24	74.00	-2.76	peak	360	12
4	2483.567	51.39	-2.29	49.10	54.00	-4.90	AVG	360	12

Wi-Fi 802.11 n(HT40) mode, MCS0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



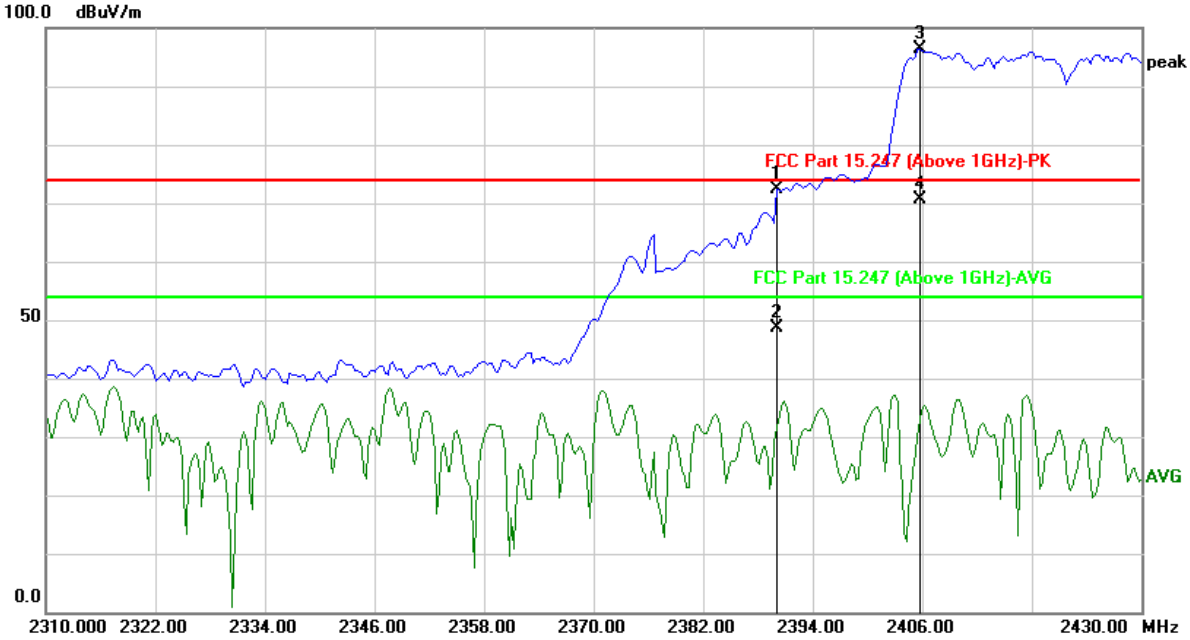
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	74.09	-2.40	71.69	74.00	-2.31	peak	390	360
2	2390.000	53.91	-2.40	51.51	54.00	-2.49	AVG	390	360
3 *	2428.557	97.58	-2.35	95.23			peak	390	360
4 *	2428.557	72.96	-2.35	70.61			AVG	390	360

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



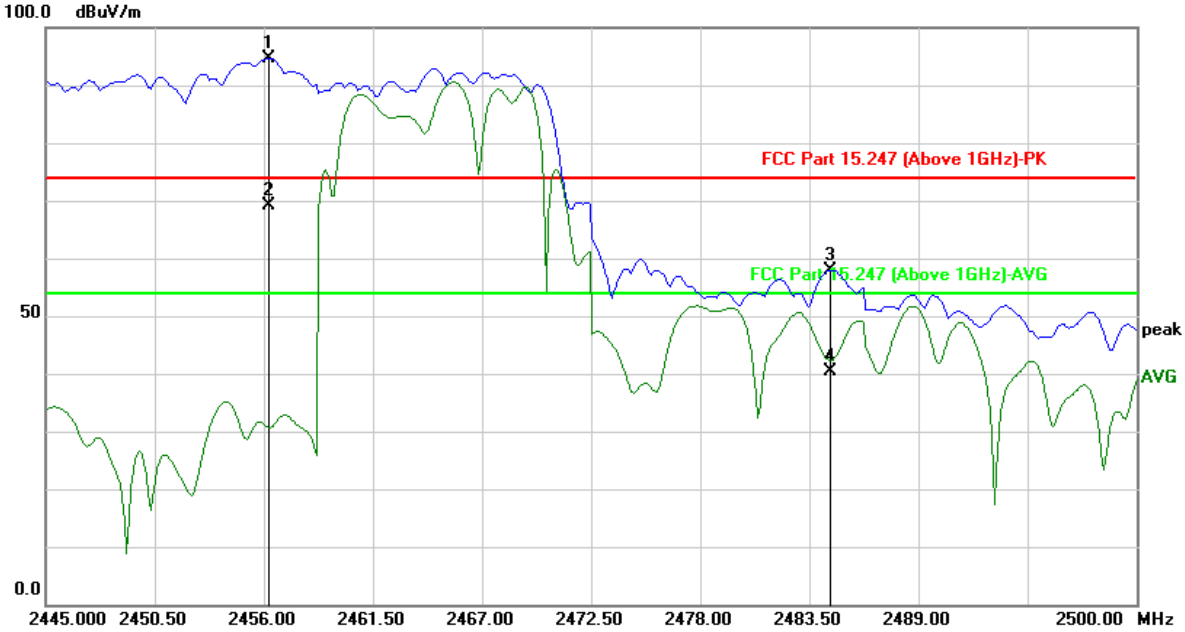
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	74.73	-2.40	72.33	74.00	-1.67	peak	391	17
2	2390.000	51.09	-2.40	48.69	54.00	-5.31	AVG	391	17
3 *	2405.711	98.80	-2.37	96.43			peak	391	17
4 *	2405.711	72.90	-2.37	70.53			AVG	391	17

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



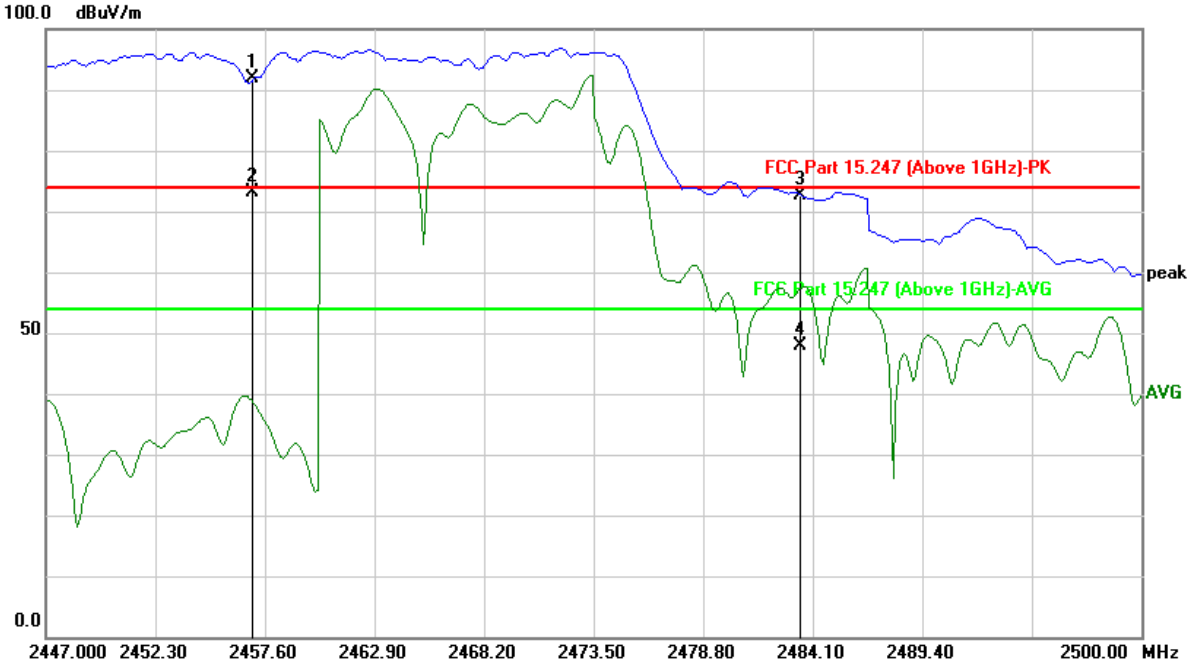
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2456.242	97.00	-2.33	94.67			peak	398	5
2 *	2456.242	71.58	-2.33	69.25			AVG	398	5
3	2484.569	60.20	-2.28	57.92	74.00	-16.08	peak	398	5
4	2484.569	42.61	-2.28	40.33	54.00	-13.67	AVG	398	5

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
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 *	2457.000	94.09	-2.33	91.76			peak	293	8
2 *	2457.000	75.36	-2.33	73.03			AVG	293	8
3	2483.500	74.84	-2.29	72.55	74.00	-1.45	peak	293	8
4	2483.500	50.10	-2.29	47.81	54.00	-6.19	AVG	293	8

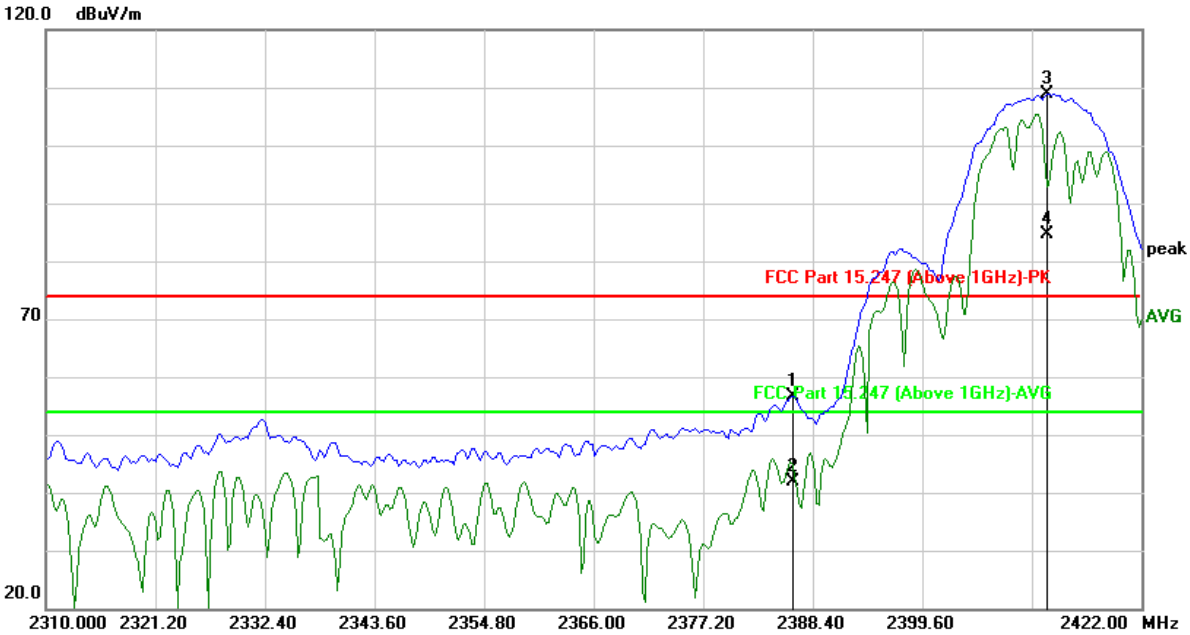
Wi-Fi Module 2: (model: 8812 CU):

Wi-Fi 802.11 b mode, 1 Mbps

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



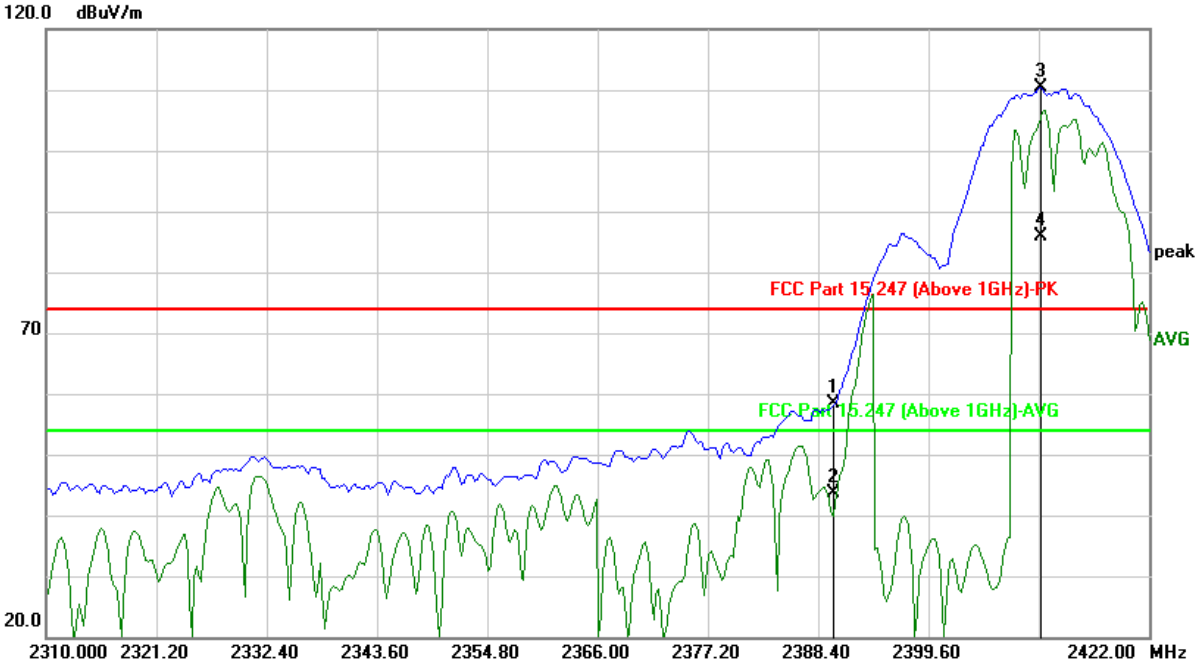
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2386.313	57.92	-1.30	56.62	74.00	-17.38	peak	336	55
2	2386.313	43.16	-1.30	41.86	54.00	-12.14	AVG	336	55
3 *	2412.349	110.23	-1.29	108.94			peak	336	55
4 *	2412.349	85.93	-1.29	84.64			AVG	336	55

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



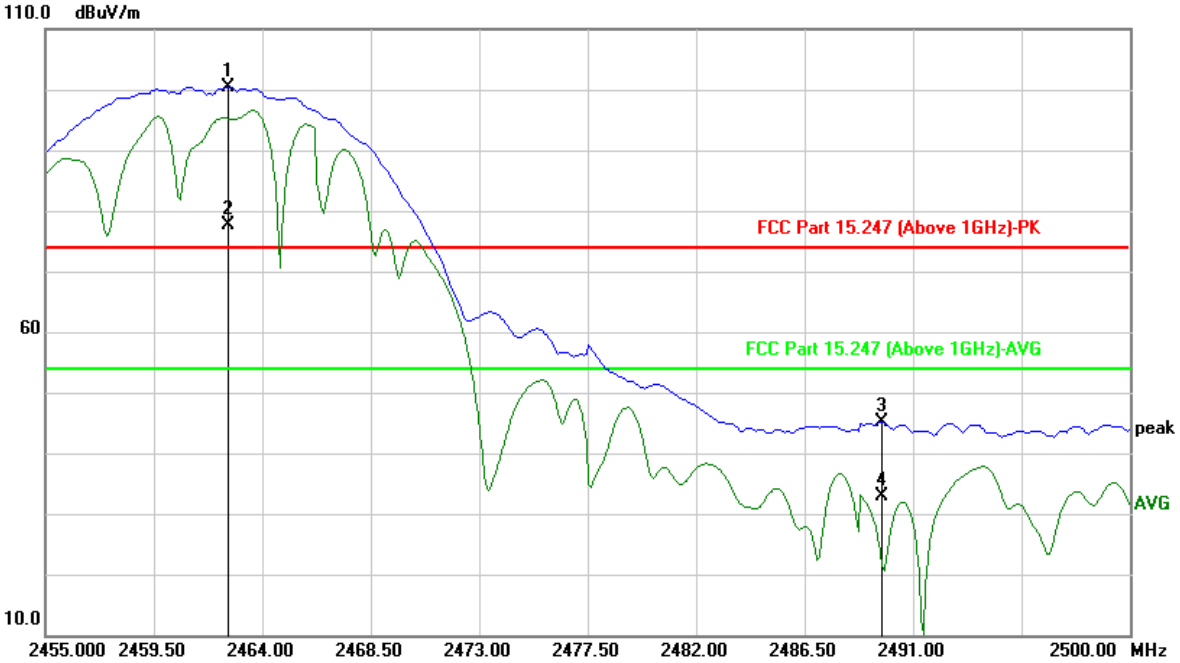
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	59.71	-1.30	58.41	74.00	-15.59	peak	188	55
2	2390.000	44.82	-1.30	43.52	54.00	-10.48	AVG	188	55
3 *	2411.002	111.58	-1.28	110.30			peak	188	55
4 *	2411.002	87.26	-1.28	85.98			AVG	188	55

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



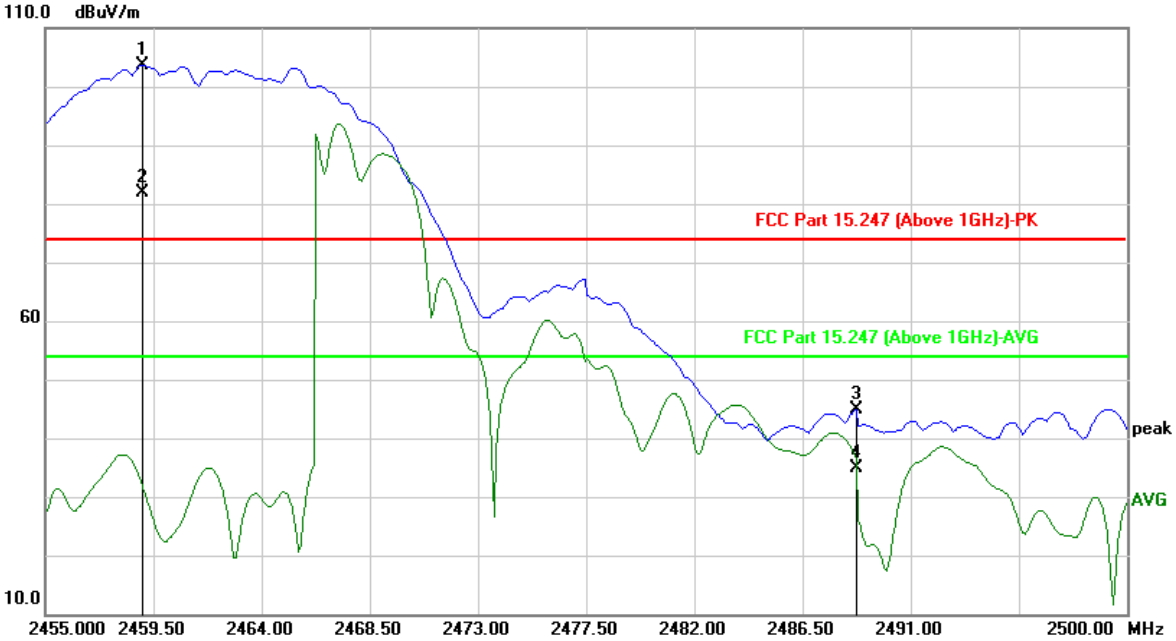
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2462.575	101.72	-1.27			26.45	peak	197	31
2 *	2462.575	78.96	-1.27			23.69	AVG	197	31
3	2489.719	46.28	-1.25	45.03	74.00	-28.97	peak	197	31
4	2489.719	34.11	-1.25	32.86	54.00	-21.14	AVG	197	31

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11b_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

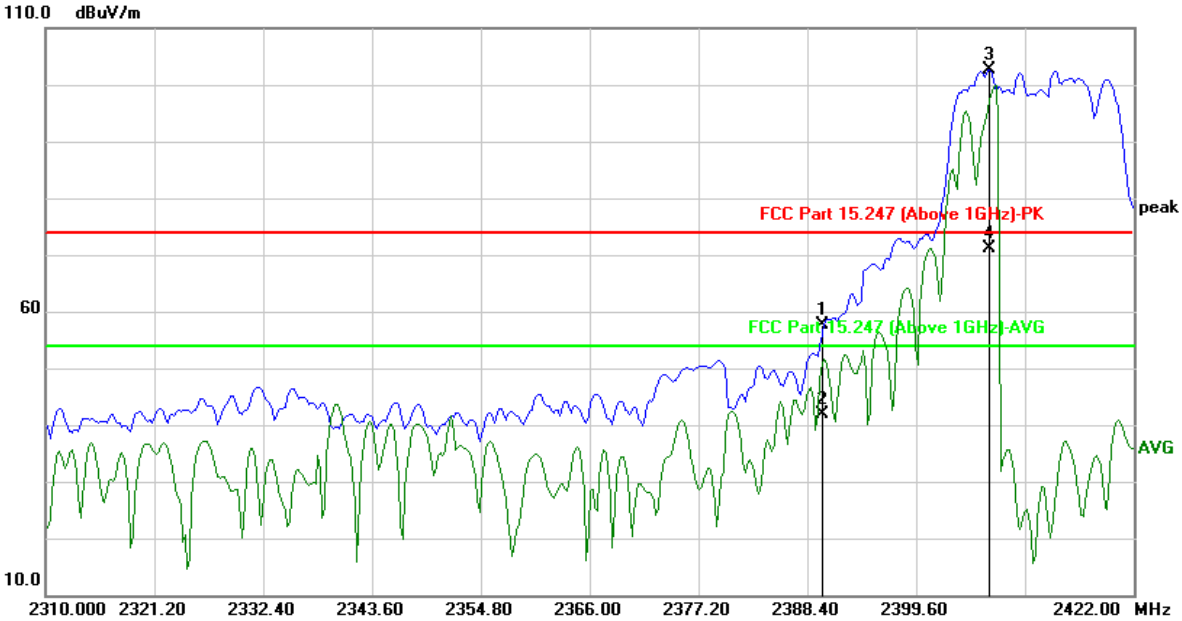
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2459.058	104.96	-1.27	103.69			peak	100	237
2	2459.058	83.22	-1.27	81.95			AVG	100	237
3 *	2488.727	46.01	-1.25	44.76	74.00	-29.24	peak	100	237
4 *	2488.727	36.14	-1.25	34.89	54.00	-19.11	AVG	100	237

Wi-Fi 802.11 g mode, 6 Mbps

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



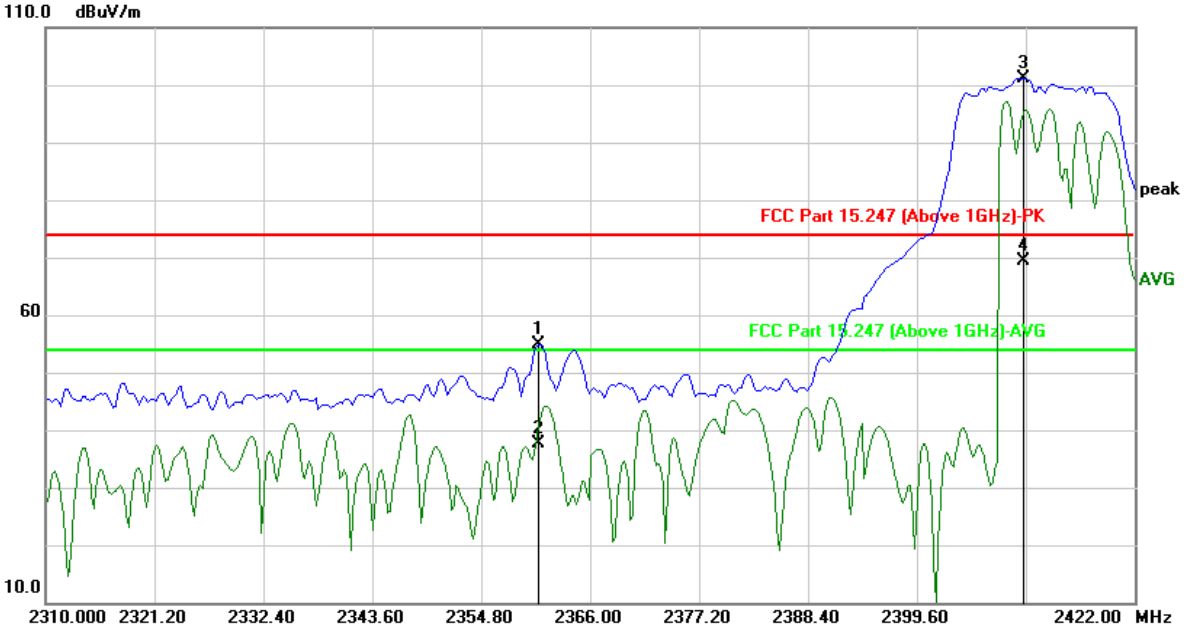
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	59.05	-1.30	57.75	74.00	-16.25	peak	353	60
2	2390.000	43.18	-1.30	41.88	54.00	-12.12	AVG	353	60
3 *	2407.186	103.95	-1.29	102.66			peak	353	60
4 *	2407.186	72.45	-1.29	71.16			AVG	353	60

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



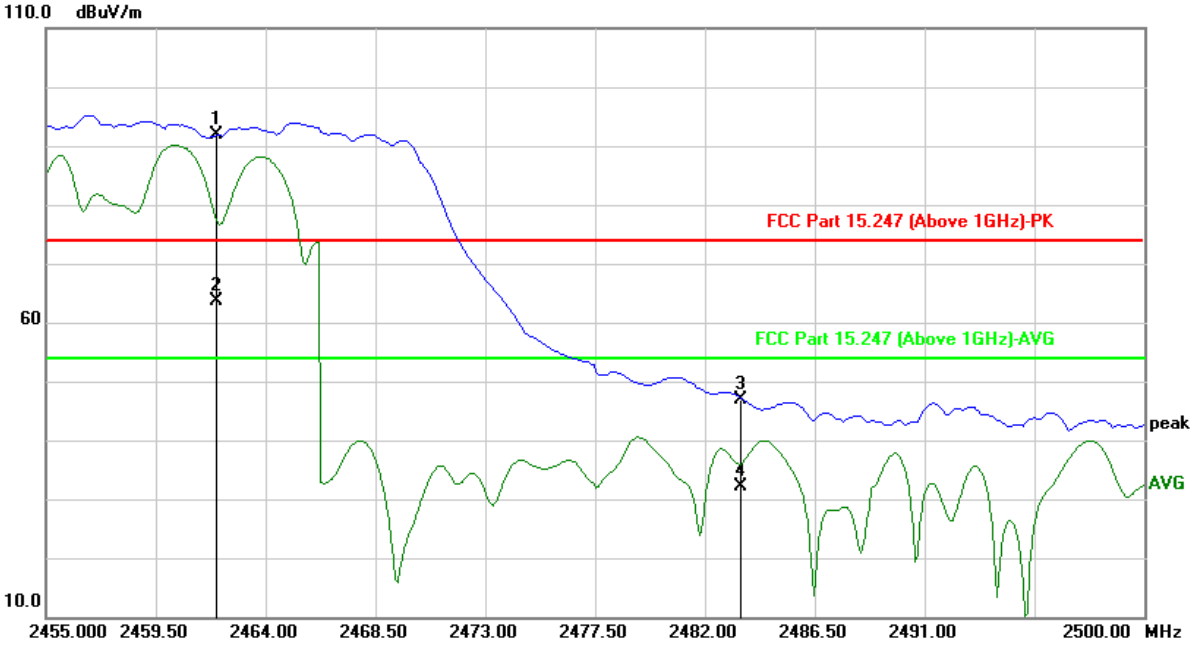
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2360.726	56.27	-1.30	54.97	74.00	-19.03	peak	100	348
2	2360.726	38.84	-1.30	37.54	54.00	-16.46	AVG	100	348
3 *	2410.553	102.49	-1.28	101.21			peak	100	348
4 *	2410.553	70.60	-1.28	69.32			AVG	100	348

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



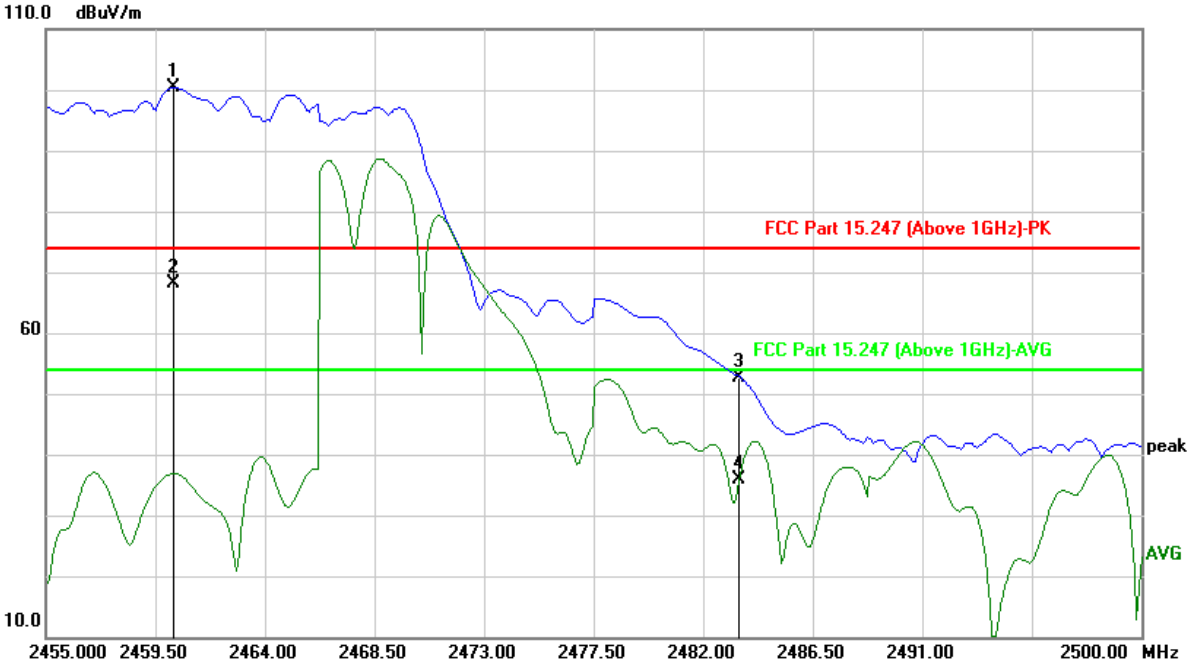
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2462.000	93.05	-1.27	91.78			peak	210	34
2 *	2462.000	64.87	-1.27	63.60			AVG	210	34
3	2483.500	48.10	-1.25	46.85	74.00	-27.15	peak	210	34
4	2483.500	33.28	-1.25	32.03	54.00	-21.97	AVG	210	34

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11g_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

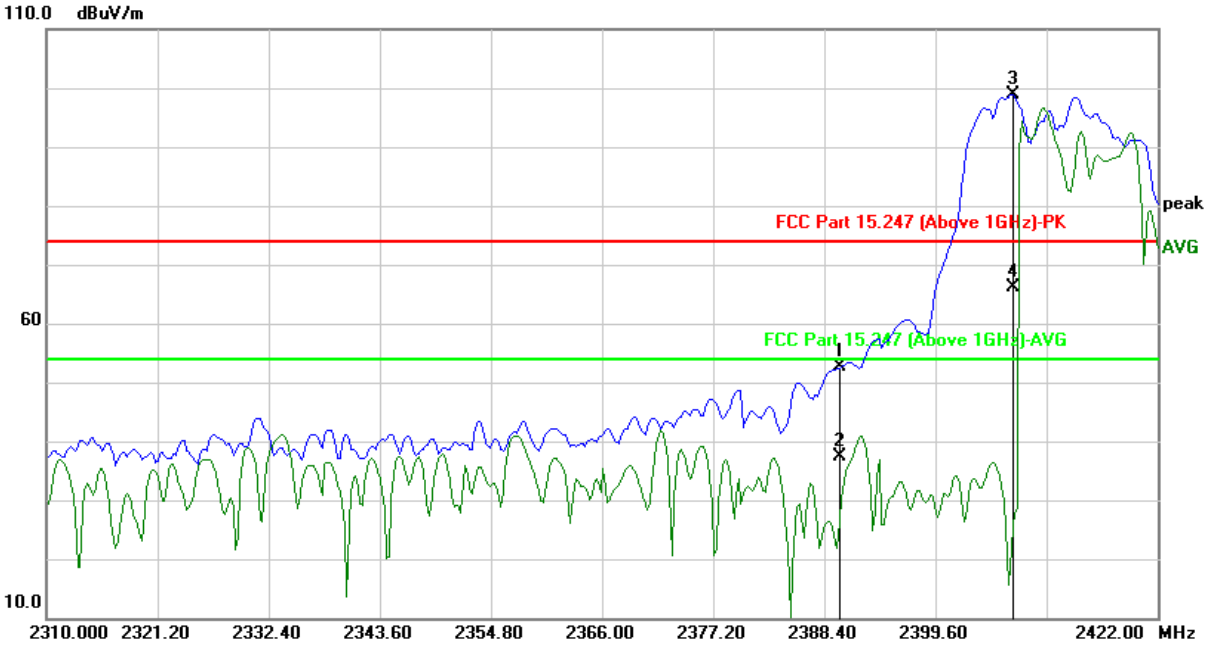
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2460.231	101.73	-1.27	100.46			peak	227	55
2 *	2460.231	69.45	-1.27	68.18			AVG	227	55
3	2483.500	53.79	-1.25	52.54	74.00	-21.46	peak	227	55
4	2483.500	37.11	-1.25	35.86	54.00	-18.14	AVG	227	55

Wi-Fi 802.11 n(HT20) mode, MCS0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



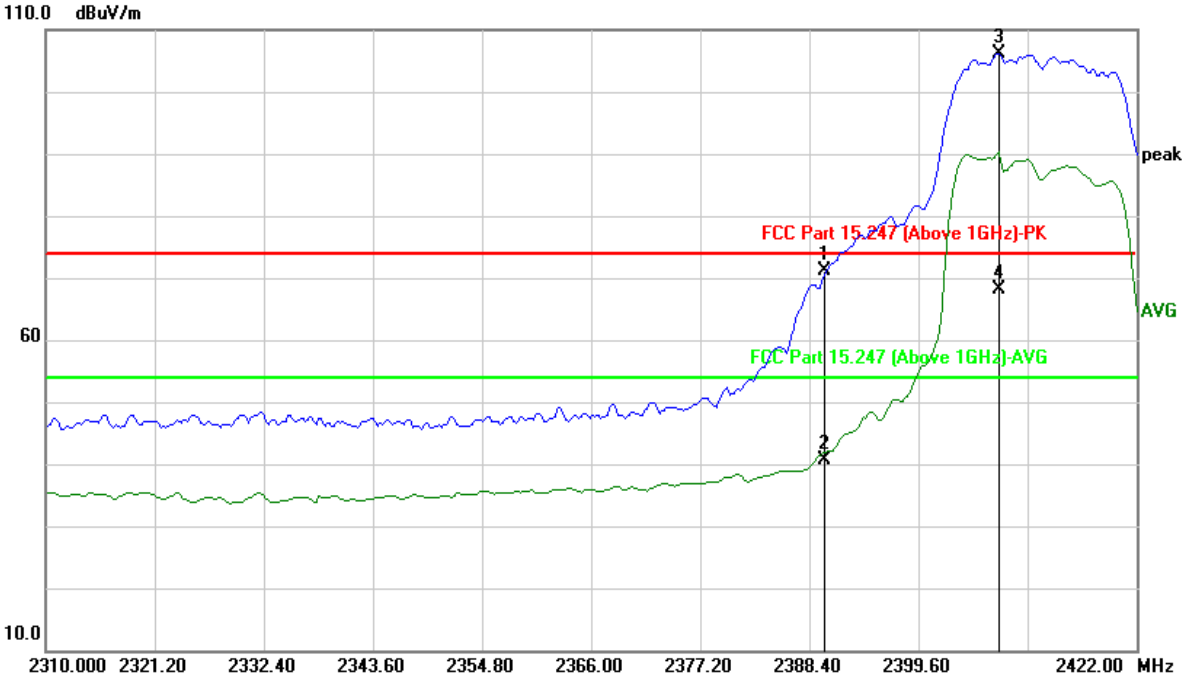
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	53.99	-1.30	52.69	74.00	-21.31	peak	100	39
2	2390.000	38.57	-1.30	37.27	54.00	-16.73	AVG	100	39
3 *	2407.411	100.19	-1.29	98.90			peak	100	39
4 *	2407.411	67.53	-1.29	66.24			AVG	100	39

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



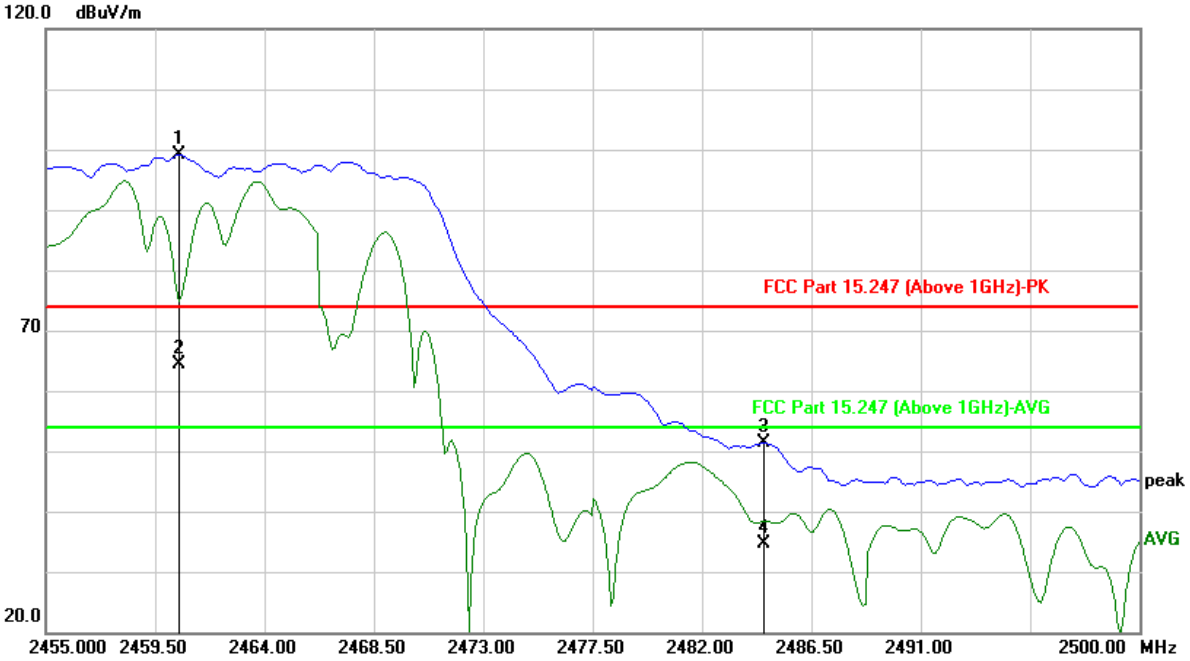
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	72.32	-1.30	71.02	74.00	-2.98	peak	180	55
2	2390.000	42.02	-1.30	40.72	54.00	-13.28	AVG	180	55
3 *	2407.860	107.38	-1.29	106.09			peak	180	55
4 *	2407.860	69.34	-1.29	68.05			AVG	180	55

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



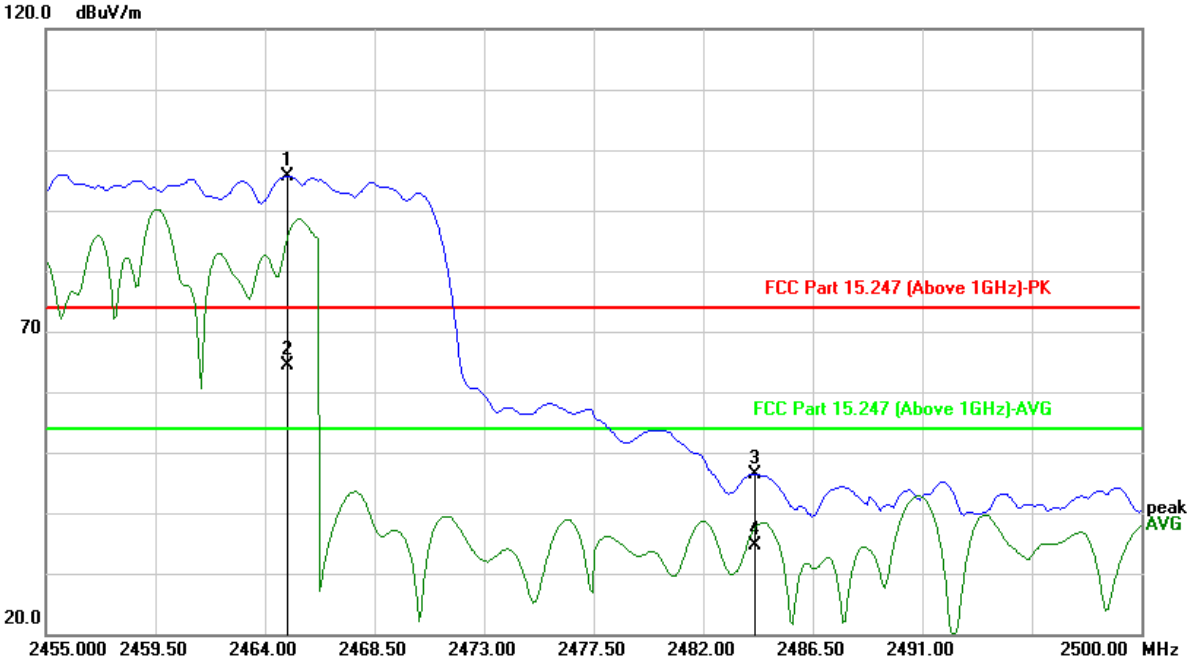
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2460.501	100.33	-1.27	99.06			peak	347	35
2 *	2460.501	65.64	-1.27	64.37			AVG	347	35
3	2484.579	52.55	-1.24	51.31	74.00	-22.69	peak	347	35
4	2484.579	35.97	-1.24	34.73	54.00	-19.27	AVG	347	35

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n20_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



Critical_Freqs

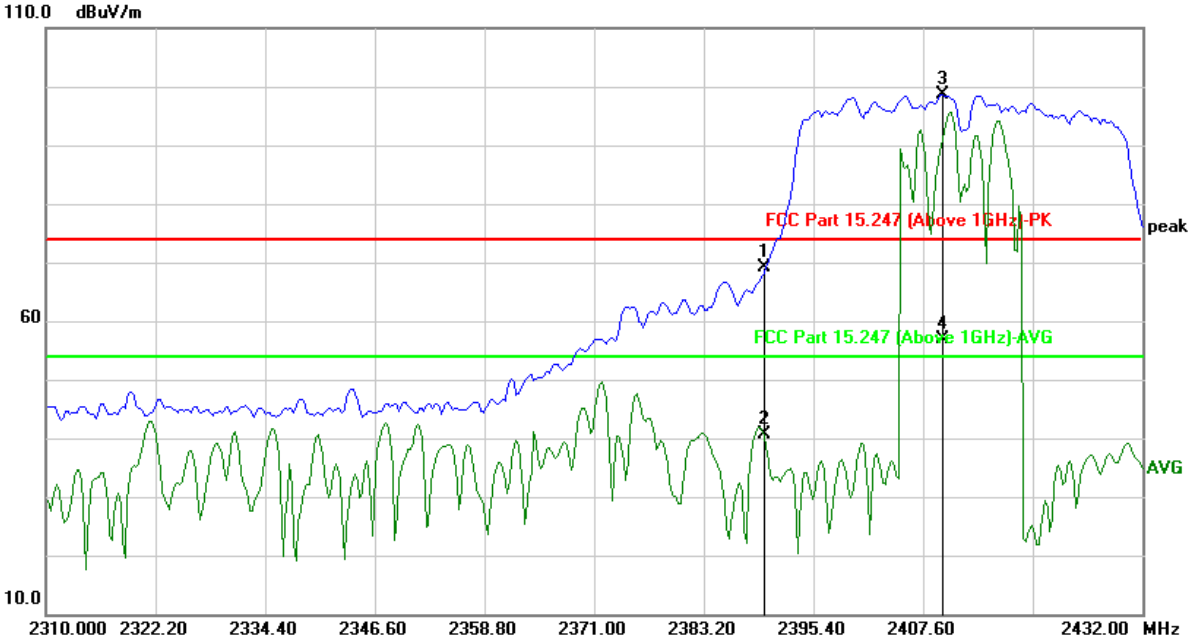
No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1 *	2464.920	96.94	-1.26			21.68	peak	289	32
2 *	2464.920	65.52	-1.26			10.26	AVG	289	32
3	2484.128	47.66	-1.25	46.41	74.00	-27.59	peak	289	32
4	2484.128	35.96	-1.25	34.71	54.00	-19.29	AVG	289	32

Wi-Fi 802.11 n(HT40) mode, MCS0

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



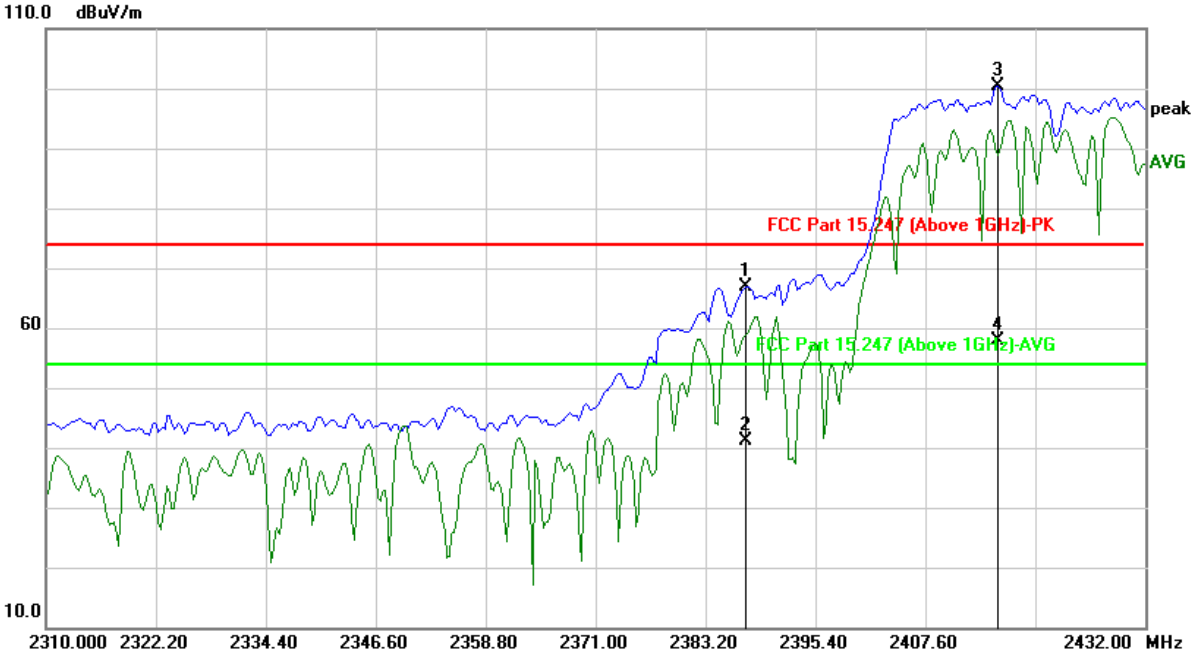
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2390.000	70.53	-1.30	69.23	74.00	-4.77	peak	369	63
2	2390.000	41.96	-1.30	40.66	54.00	-13.34	AVG	369	63
3 *	2409.751	99.91	-1.28	98.63			peak	369	63
4 *	2409.751	58.28	-1.28	57.00			AVG	369	63

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_Low channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



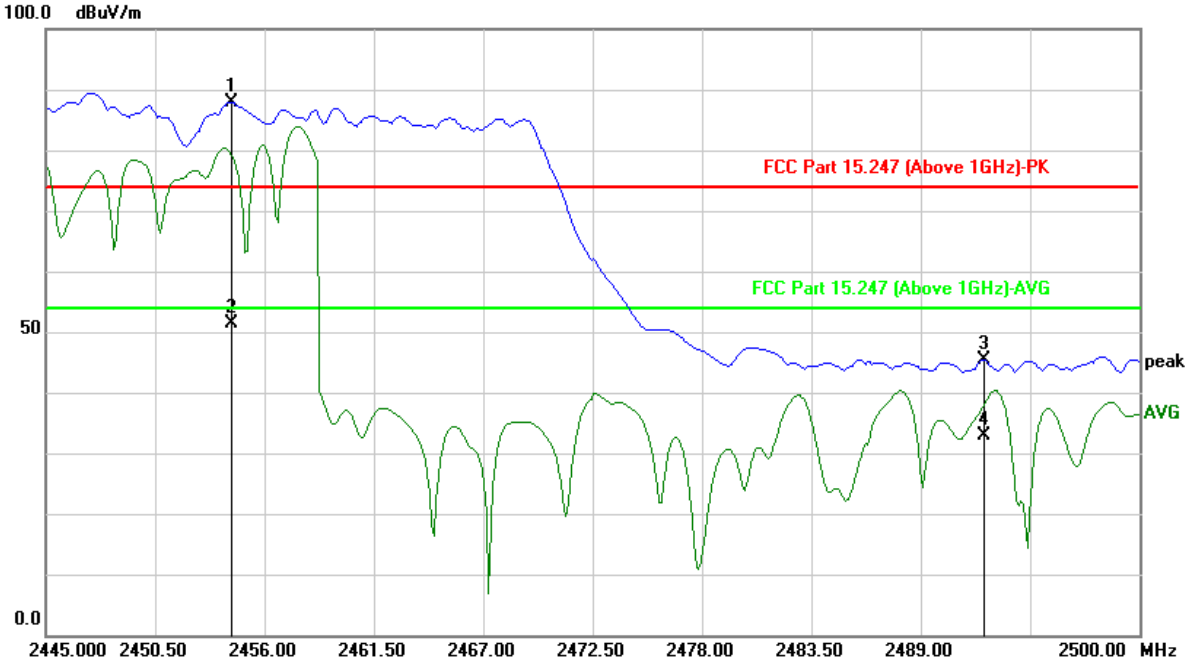
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2387.747	68.12	-1.30	66.82	74.00	-7.18	peak	194	240
2	2387.747	42.49	-1.30	41.19	54.00	-12.81	AVG	194	240
3 *	2415.619	101.60	-1.29	100.31			peak	194	240
4 *	2415.619	59.22	-1.29	57.93			AVG	194	240

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Horizontal



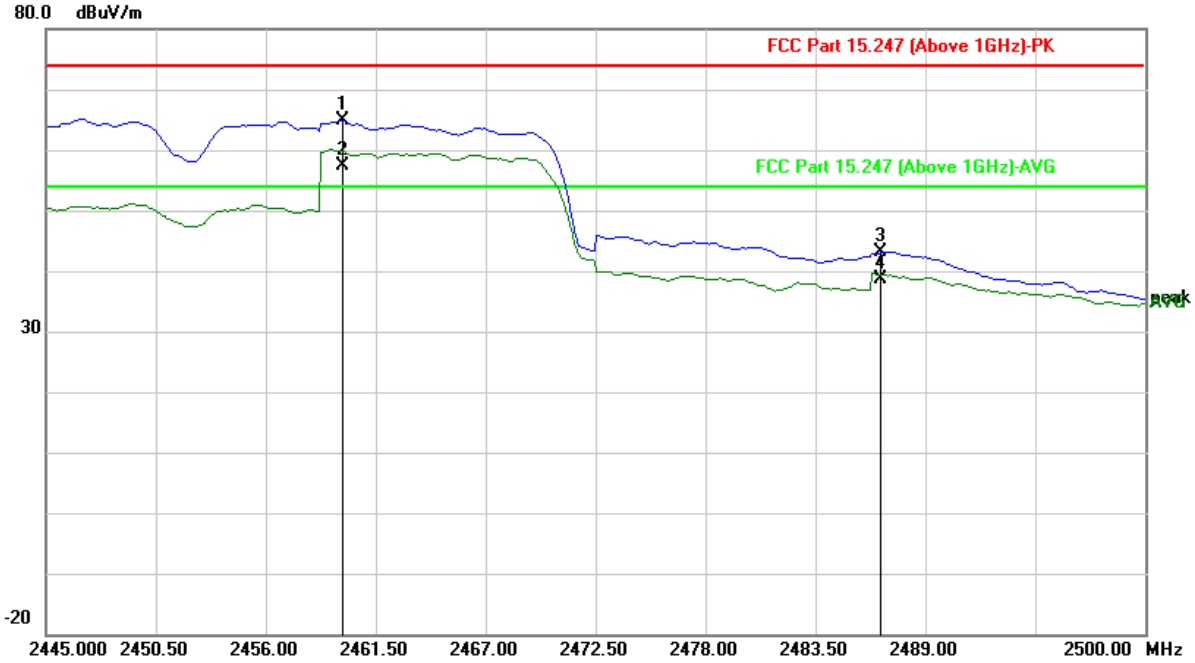
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2454.369	89.20	-1.27	87.93			peak	317	32
2 *	2454.369	52.73	-1.27	51.46	54.00	-2.54	AVG	317	32
3	2492.174	46.74	-1.25	45.49	74.00	-28.51	peak	317	32
4	2492.174	34.24	-1.25	32.99	54.00	-21.01	AVG	317	32

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4G_11n40_High channel
Test Voltage:	AC120V/60Hz
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

Vertical



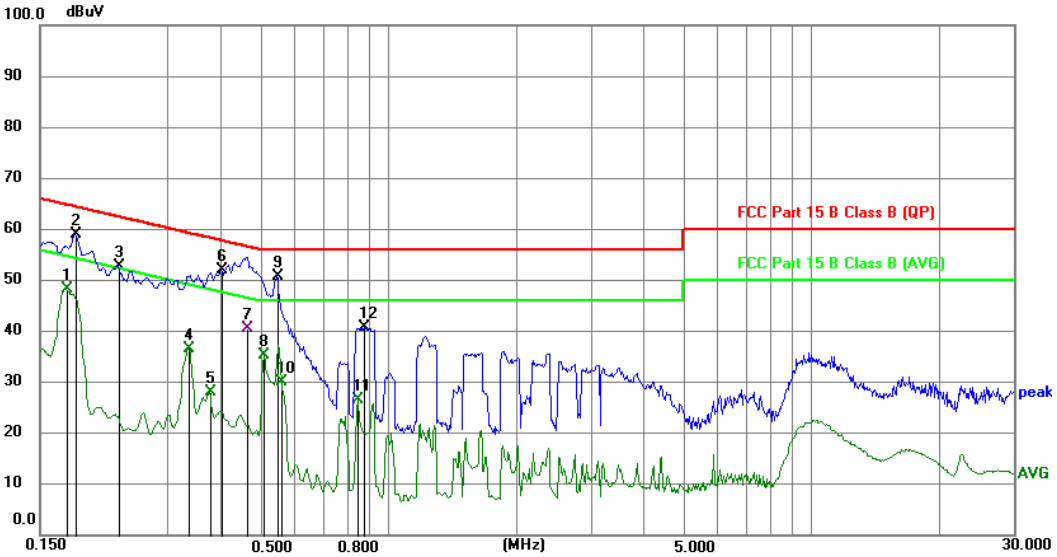
Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	2459.880	66.07	-1.27	64.80	74.00	-9.20	peak	335	109
2 *	2459.880	58.56	-1.27	57.29			AVG	335	109
3	2486.773	44.34	-1.25	43.09	74.00	-30.91	peak	335	109
4	2486.773	39.80	-1.25	38.55	54.00	-15.45	AVG	335	109

Appendix B.7: Test Results of Conducted Emission

EUT Information

EUT Name:	Smart interactive whiteboard
Model:	DHI-LCH86-MC410-B
Test Mode:	WIFI 2.4GHz Link
Test Voltage:	AC120V/60Hz
Phase	L
Remark:	Temp 23 Humi:45%
Test Standard:	FCC 15.247
Tested By:	Jim Xu
Reviewed By:	Tank Tan

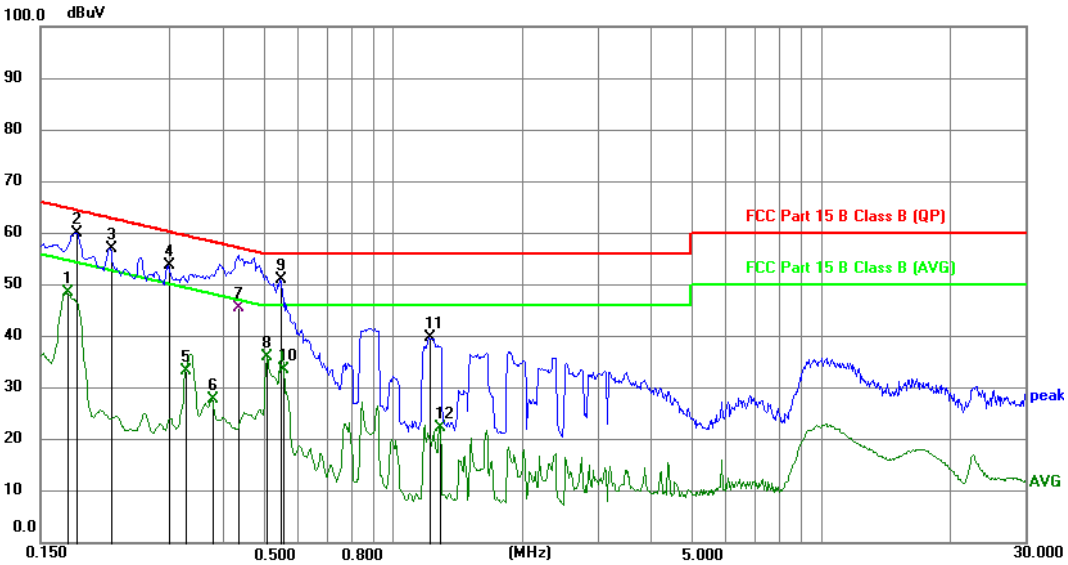


Critical_Freqs

No.	Frequency (MHz)	Reading (dBuV)	Factor (dB/m)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.
1	0.1815	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-LCH86-MC410-B
Test Mode:	WIFI 2.4GHz 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