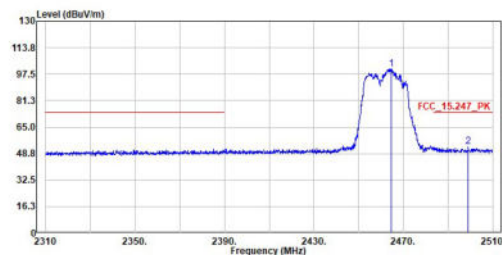


Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax20_TX_2462MHz
Test By :Cyril

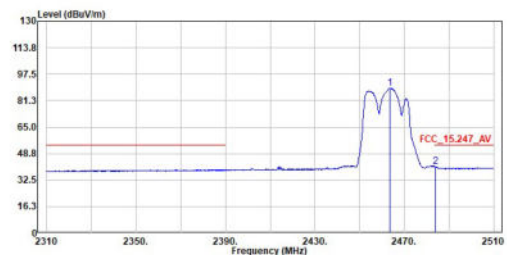


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2464.700	100.61	-----	87.62	12.99	Peak	
2	2499.000	53.05	74.00	-20.95	39.85	13.20	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax20_TX_2462MHz
Test By :Cyril

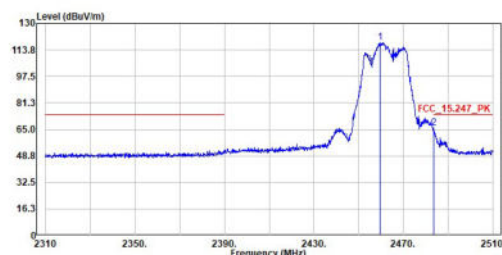


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2463.700	88.91	-----	75.93	12.98	Average	
2	2483.800	40.87	54.00	-13.13	27.77	13.10	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax20_TX_2462MHz
Test By :Cyril

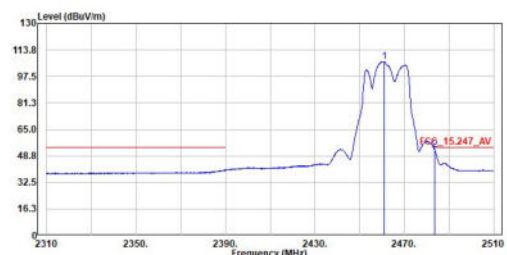


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2459.700	118.24	-----	105.28	12.96	Peak	
2	2483.700	65.57	74.00	-8.43	52.47	13.10	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax20_TX_2462MHz
Test By :Cyril

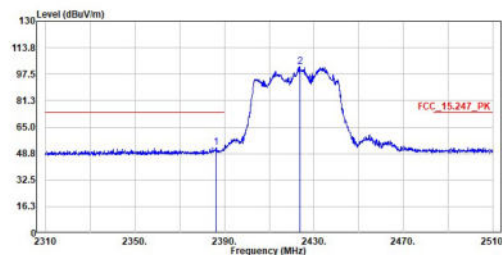


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2460.900	106.63	-----	93.67	12.96	Average	
2	2483.600	52.51	54.00	-1.49	39.41	13.10	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax40_TX_2422MHz
Test By :Cyril

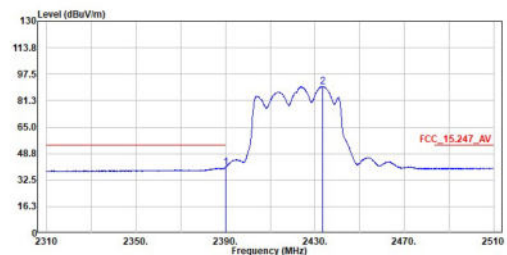


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2386.200	52.73	74.00	-21.27	40.20	12.53	Peak
2	2423.800	102.07	-----	-----	89.33	12.74	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax40_TX_2422MHz
Test By :Cyril

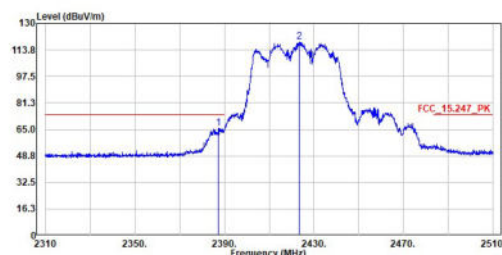


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2390.000	40.36	54.00	-13.64	27.82	12.54	Average
2	2433.600	89.85	-----	-----	77.05	12.80	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax40_TX_2422MHz
Test By :Cyril

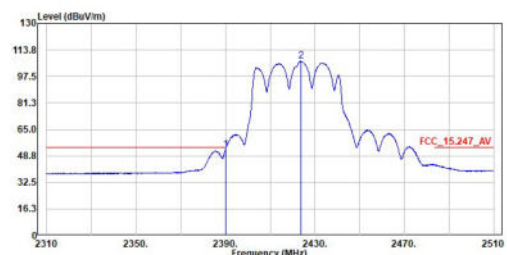


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2387.400	65.86	74.00	-8.14	53.33	12.53	Peak
2	2423.400	118.47	-----	-----	105.73	12.74	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax40_TX_2422MHz
Test By :Cyril

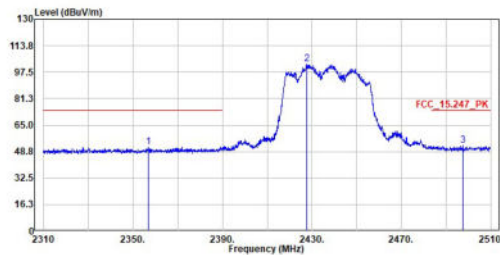


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2390.000	52.59	54.00	-1.41	40.05	12.54	Average
2	2423.800	106.79	-----	-----	94.05	12.74	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax40_TX_2437MHz
Test By :Cyril

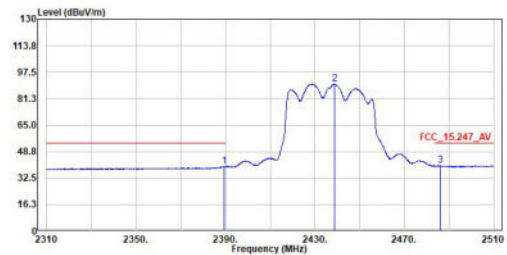


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2356.900	51.54	74.00	-22.46	39.28	12.34	Peak
2	2427.600	102.46	-----	-----	89.69	12.77	Peak
3	2497.600	52.52	74.00	-21.48	39.33	13.19	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax40_TX_2437MHz
Test By :Cyril

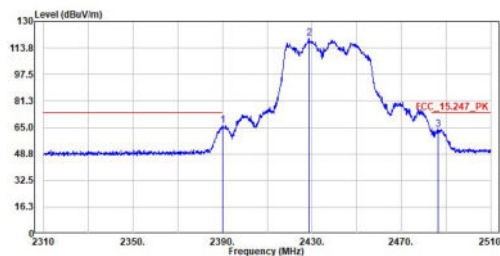


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2389.400	39.67	54.00	-14.33	27.13	12.54	Average
2	2438.700	90.20	-----	-----	77.36	12.84	Average
3	2486.000	40.21	54.00	-13.79	27.18	13.11	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax40_TX_2437MHz
Test By :Cyril

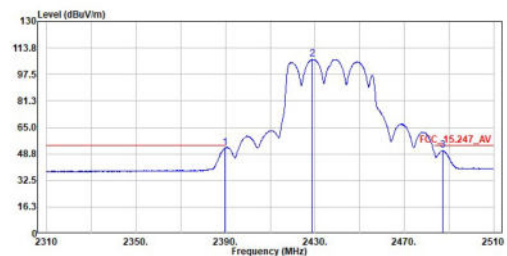


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2390.000	65.99	74.00	-8.01	53.45	12.54	Peak
2	2428.700	119.68	-----	-----	106.90	12.78	Peak
3	2486.300	63.95	74.00	-10.05	50.83	13.12	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax40_TX_2437MHz
Test By :Cyril

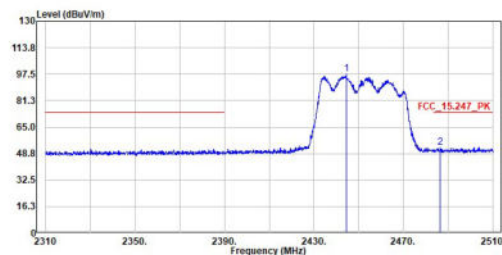


No.	Frequency MHz	Level dBuV/m	Limit dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2389.900	52.54	54.00	-1.46	40.00	12.54	Average
2	2428.900	106.75	-----	-----	93.97	12.78	Average
3	2487.100	50.78	54.00	-3.22	37.65	13.13	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax40_TX_2452MHz
Test By :Cyril

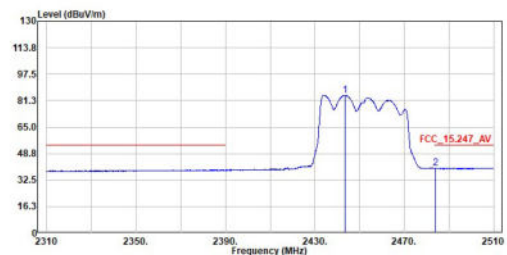


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2444.500	97.72	74.00	-21.57	84.85	12.87	Peak
2	2486.600	52.43	74.00	-21.57	39.31	13.12	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Horizontal
Mode :11ax40_TX_2452MHz
Test By :Cyril

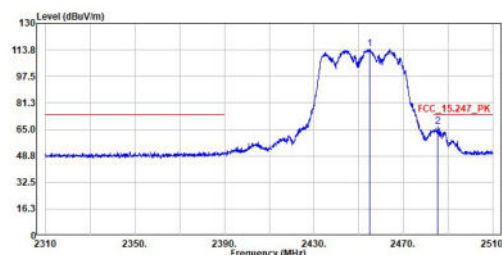


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2443.600	84.59	74.00	-14.03	71.73	12.86	Average
2	2483.900	39.97	74.00	-14.03	26.87	13.10	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax40_TX_2452MHz
Test By :Cyril

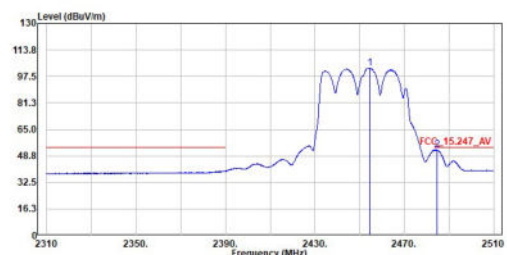


No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2454.900	114.30	74.00	-7.08	101.37	12.93	Peak
2	2485.500	66.92	74.00	-7.08	53.81	13.11	Peak

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

Site :HC-CB04
Condition :3m ,Vertical
Mode :11ax40_TX_2452MHz
Test By :Cyril



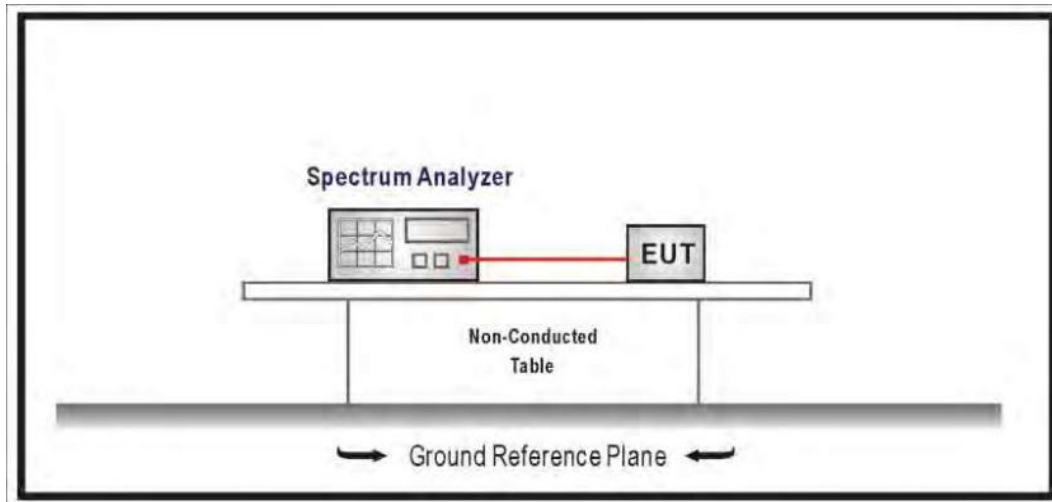
No.	Frequency MHz	Level dBuV/m	Limit Line dBuV/m	Over Limit dB	Read Level dBuV	Factor dB	Remark
1	2454.600	102.68	74.00	-1.47	89.75	12.93	Average
2	2484.600	52.53	74.00	-1.47	39.43	13.10	Average

Note:

1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.

7. Occupied Bandwidth & DTS Bandwidth

7.1. Test Setup



7.2. Test Limit

The 6 dB bandwidth: ≥ 0.50 MHz.

Occupied Bandwidth: NA

7.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

7.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

7.5. Test Result of Occupied Bandwidth

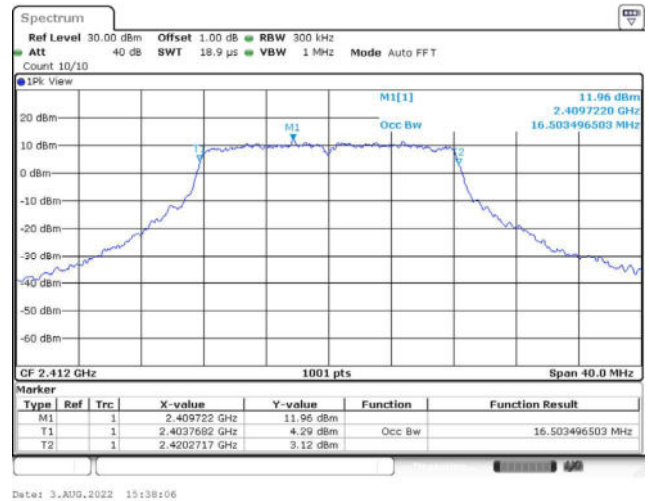
Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)		Limit (MHz)
			Ant. 0	Ant. 1	
802.11b	1	2412	12.947	13.106	-
	6	2437	12.827	12.947	-
	11	2462	12.907	12.867	-
802.11g	1	2412	16.503	16.423	-
	6	2437	16.423	16.463	-
	11	2462	16.423	16.463	-
802.11ax (20 MHz)	1	2412	19.020	18.901	-
	6	2437	18.941	18.941	-
	11	2462	18.901	18.861	-
802.11ax (40 MHz)	3	2422	37.882	37.962	-
	6	2437	37.882	37.962	-
	9	2452	37.882	37.962	-

Spectrum plot of maximum value

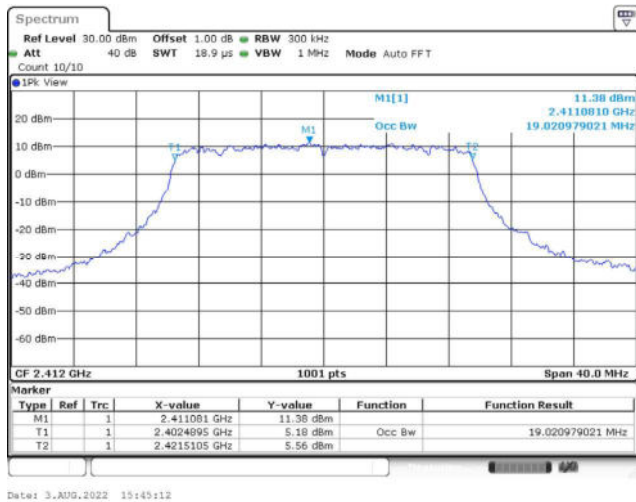
802.11b / Ant. 1 / 2412 MHz



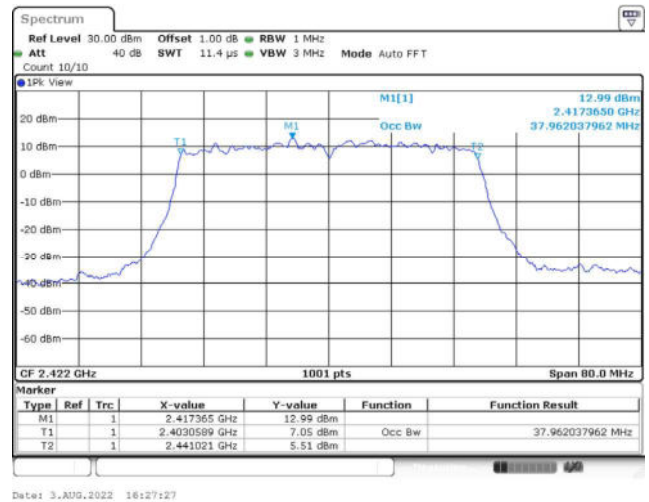
802.11g / Ant. 0 / 2412 MHz



802.11ax (20 MHz) / Ant. 0 / 2412 MHz



802.11ax (40 MHz) / Ant. 1 / 2422 MHz

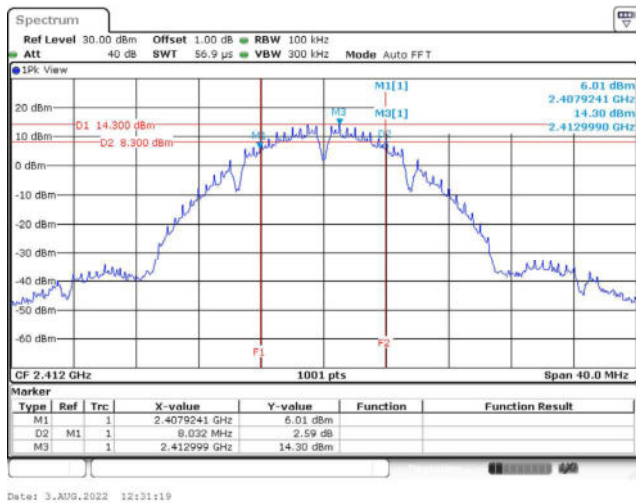


7.6. Test Result of DTS Bandwidth

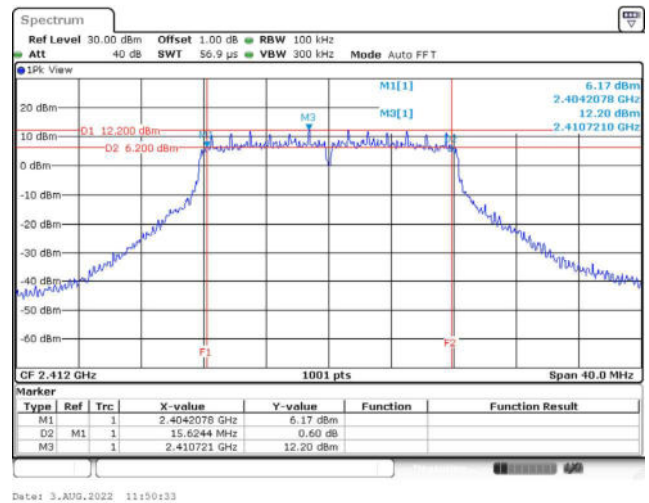
Modulation	Channel	Frequency (MHz)	DTS Bandwidth (MHz)		Limit (MHz)	Result
			Ant. 0	Ant. 1		
802.11b	1	2412	8.032	8.032	≥ 0.50	Pass
	6	2437	8.032	8.032	≥ 0.50	Pass
	11	2462	8.032	8.032	≥ 0.50	Pass
802.11g	1	2412	15.624	15.704	≥ 0.50	Pass
	6	2437	15.664	16.024	≥ 0.50	Pass
	11	2462	15.744	15.664	≥ 0.50	Pass
802.11ax (20 MHz)	1	2412	18.541	17.902	≥ 0.50	Pass
	6	2437	18.421	17.862	≥ 0.50	Pass
	11	2462	18.301	18.901	≥ 0.50	Pass
802.11ax (40 MHz)	3	2422	36.443	37.322	≥ 0.50	Pass
	6	2437	37.802	36.123	≥ 0.50	Pass
	9	2452	37.882	37.402	≥ 0.50	Pass

Spectrum plot of worst value

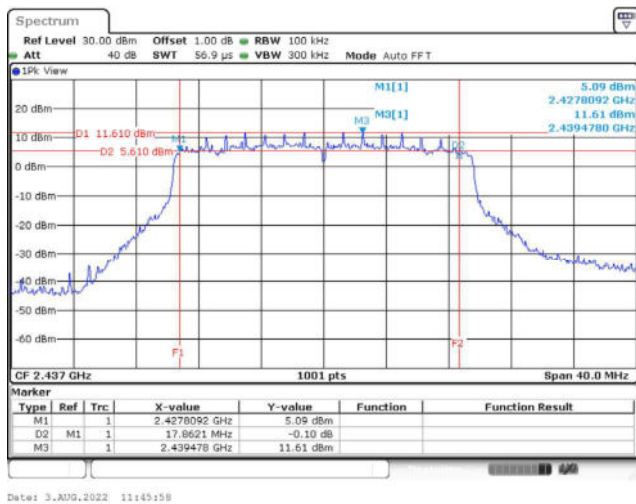
802.11b / Ant. 0 / 2412 MHz



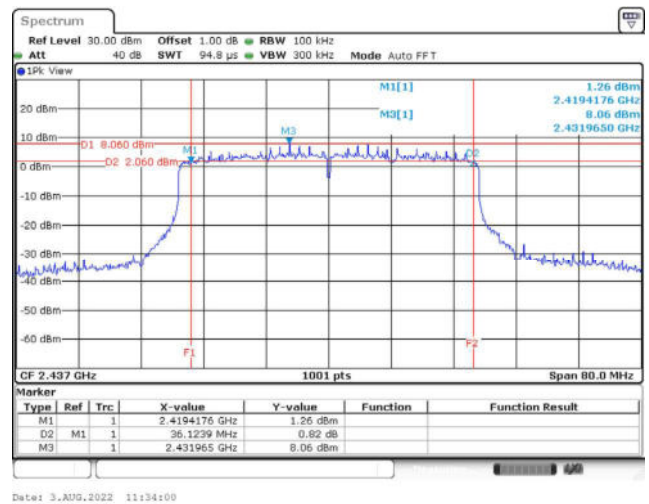
802.11g / Ant. 0 / 2412 MHz



802.11ax (20 MHz) / Ant. 1 / 2437 MHz

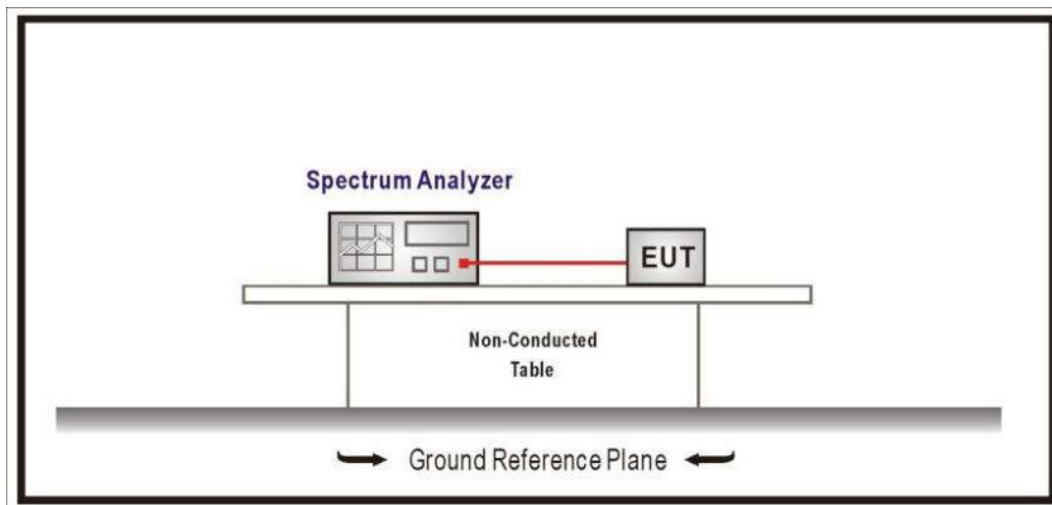


802.11ax (40 MHz) / Ant. 1 / 2437 MHz



8. Maximum Power Spectral Density

8.1. Test Setup



8.2. Test Limit

The peak power spectral density conducted from the intentional radiated to the antenna shall not be greater than +8 dBm in any 3 kHz band during any time interval of continuous transmission.

8.3. Test Procedures

The EUT was setup according to ANSI C63.10: 2013; tested according to DTS test procedure of KDB 558074 D01 V05r02 for compliance to FCC 47CFR 15.247 requirements.

8.4. Test Specification

According to FCC Part 15 Subpart C Paragraph 15.247.

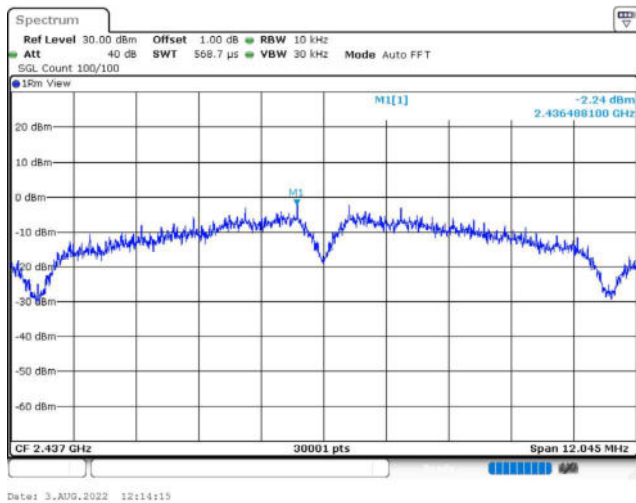
8.5. Test Result of Maximum Power Spectral Density

Modulation	Channel	Frequency (MHz)	Power Spectral Density (dBm / 3kHz)			Limit (dBm / 3kHz)	Result
			Ant. 0	Ant. 1	Total		
802.11b	1	2412	-3.350	-2.500	2.978	≤ 8.00	Pass
	6	2437	-3.350	-2.240	3.123	≤ 8.00	Pass
	11	2462	-3.760	-2.470	2.815	≤ 8.00	Pass
802.11g	1	2412	-6.600	-6.440	-3.073	≤ 8.00	Pass
	6	2437	-6.550	-6.670	-3.163	≤ 8.00	Pass
	11	2462	-9.100	-8.970	-5.588	≤ 8.00	Pass
802.11ax (20 MHz)	1	2412	-8.470	-8.300	-5.111	≤ 8.00	Pass
	6	2437	-9.100	-8.780	-5.663	≤ 8.00	Pass
	11	2462	-12.140	-11.610	-8.593	≤ 8.00	Pass
802.11ax (40 MHz)	3	2422	-12.450	-11.780	-8.874	≤ 8.00	Pass
	6	2437	-11.940	-11.660	-8.569	≤ 8.00	Pass
	9	2452	-17.110	-16.200	-13.403	≤ 8.00	Pass

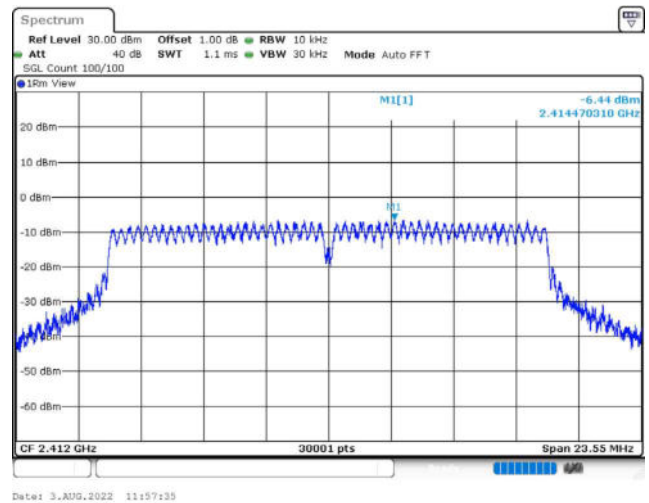
Note: Total power spectral density = power spectral density + duty factor, and the duty factor refer to section 1.10.

Spectrum plot of worst value

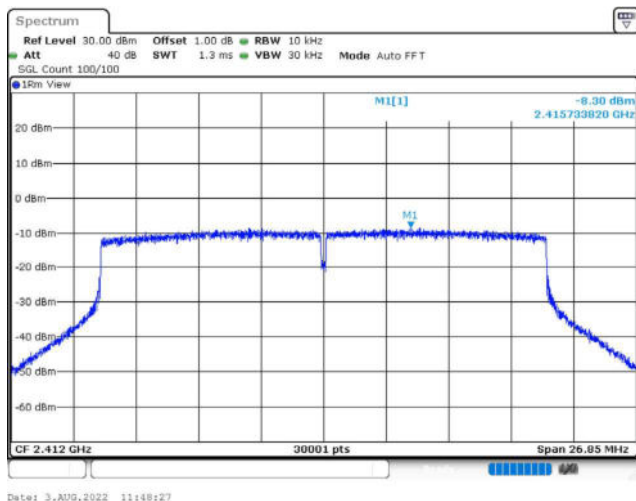
802.11b / Ant. 1 / 2437 MHz



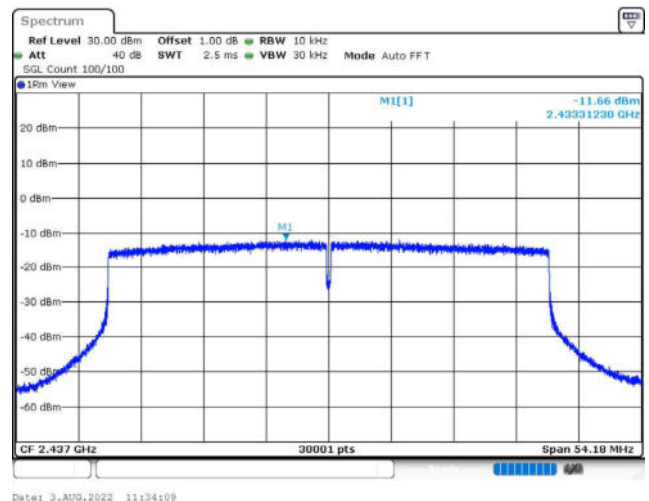
802.11g / Ant. 1 / 2412 MHz



802.11ax (20 MHz) / Ant. 1 / 2412 MHz



802.11ax (40 MHz) / Ant. 1 / 2437 MHz

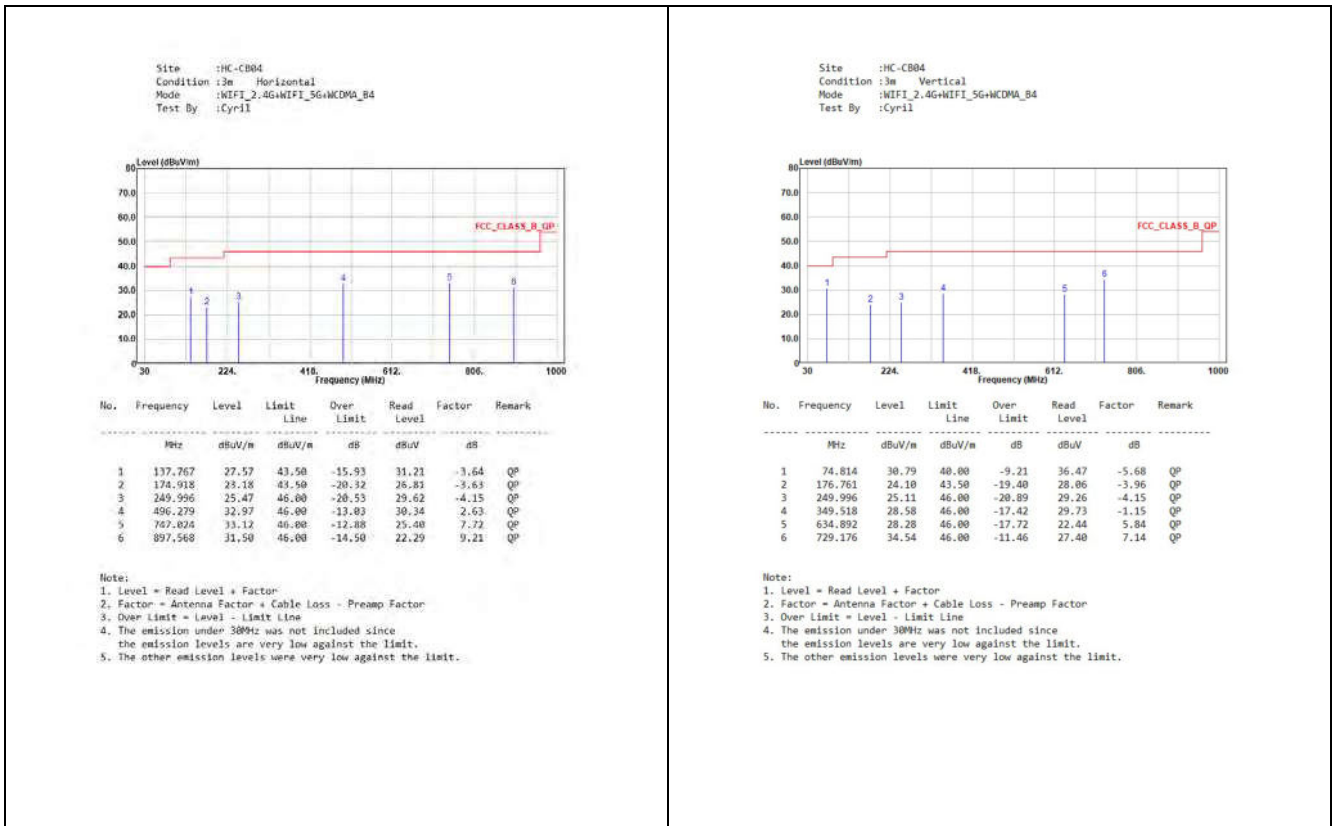


Appendix A

➤ Test Result of Radiated Emissions Co-location

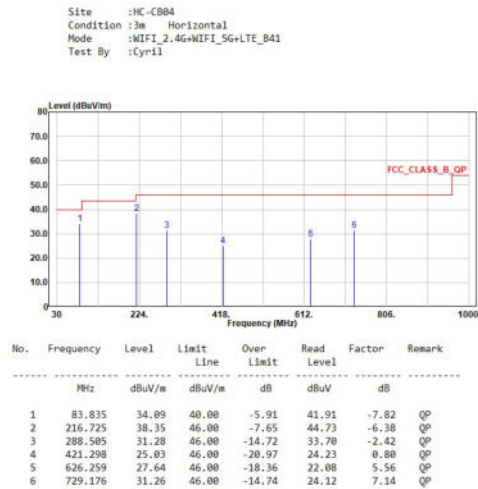
1. WiFi 2.4 GHz function + WiFi 5 GHz function + WWAN WCDMA function

30 MHz ~ 1 GHz:

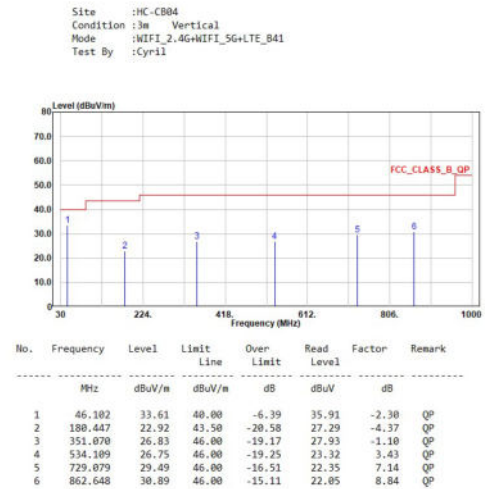


Above 1 GHz:

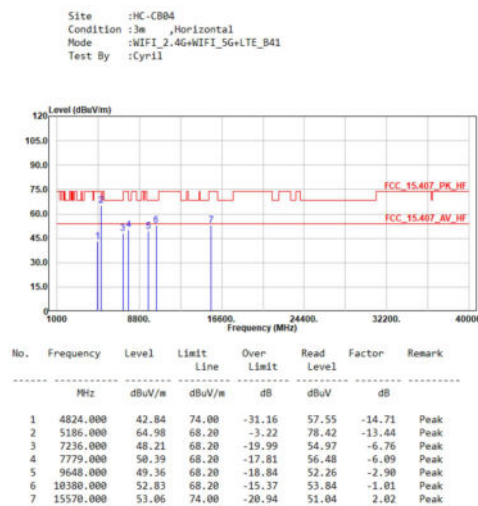


2. WiFi 2.4 GHz function + WiFi 5 GHz function + WWAN LTE function**30 MHz ~ 1 GHz:**

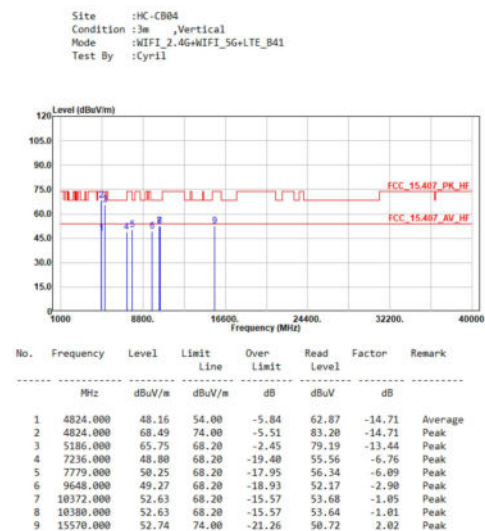
Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.



Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The emission under 30MHz was not included since the emission levels are very low against the limit.
5. The other emission levels were very low against the limit.

Above 1 GHz:

Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.



Note:
1. Level = Read Level + Factor
2. Factor = Antenna Factor + Cable Loss - Preamp Factor
3. Over Limit = Level - Limit Line
4. The peak result complies with AVG limit, AVG result is deemed to comply with AVG limit.
5. The other emission levels were very low against the limit.