

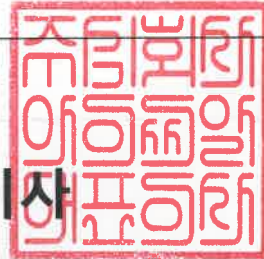


시험 성적서

TEST REPORT

페이지(page) : (1) / (총(Total) 61)

성적서 번호 Report No.		ICRT-TR-E230925-0A	
신청자 Client	기관명 Name	POSBANK CO.,LTD	
	주 소 Address	ROOM 805-808, NEW T CASTLE B/D, 108, Gasan digital 2-ro, Geumcheon-gu, Seoul, Republic of Korea	
시험대상품목 Sample description		POS SYSTEM	
모델명 Type designation		ACT 1560	
정 격 Ratings		DC 12 V	
시험장소 Place of test		☒ 고정시험(Inside test) ☐ 현장시험(Field test) 주소지(Address): 112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea	
시험기간 Date of test		06. Apr. 2023 ~ 25. Apr. 2023	
시험방법/항목 Test Method/Item		FCC Part 15 Subpart C §15.247	
시험결과 Test Results		Refer to 3. Test Summary	
확 인 Affirmation	작성자 Tested by	기술책임자 Technical Manager	
	성 명 Name Eun-Hye, Gwak (Signature)	성 명 Name Tae-Yang, Yoon (Signature)	
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2023. 04. 25 주식회사 아이씨알 대표이사 The head of INTERNATIONAL CERTIFICATION REGISTRAR			



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The authenticity of the test report can be checked on the G4B or ICR website.

경기도 김포시 양촌읍 황금3로7번길 112 / Tel: 02-6351-9001 ~ 6



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Revision History

Issued Report No.	Issued Date	Revisions	Effect Section
ICRT-TR-E230925-0A	2023.04.25	Initial Issue	All



1. Applicant & Manufacturer & Test Laboratory Information

1.1 Applicant information

Applicant	POSBANK CO.,LTD
Address	ROOM 805-808, NEW T CASTLE B/D, 108, Gasan digital 2-ro, Geumcheon-gu, Seoul, Republic of Korea
Contact Person	Sungho Jang
Telephone No.	+82-10-7383-3797
Fax No.	-
E-mail	insa@posbank.com

1.2 Manufacturer Information

Manufacturer	POSBANK CO.,LTD
Address	ROOM 805-808, NEW T CASTLE B/D, 108, Gasan digital 2-ro, Geumcheon-gu, Seoul, Republic of Korea

1.3 Test Laboratory Information

Conducted tests were performed at	
Laboratory	ICR Co., Ltd.
Address	112, Hwanggeum 3-ro 7beon-gil, Hagun-ri, Yangchon-eup, Gimpo-si, Gyeonggi-do, Korea
Telephone No.	+82-2-6351-9002
Fax No.	+82-2-6351-9007
RRA No.	KR0165
KOLAS No.	KT652



2. Equipment under Test(EUT) Information

2.1 General Information

Product Name	POS SYSTEM
Brand Name	-
Model Name	ACT 1560
Additional Model Name	ACT A-1560, ACT-1560
FCC ID	2BASH-ACT1560
Power Supply	DC 12 V

2.2 Additional Information

Equipment Class	DTS-Digital Transmission System	
Device Type	Stand-alone	
Operating Frequency	Bluetooth LE	2 402 MHz ~ 2 480 MHz
	2.4 GHz WLAN (802.11n(HT20))	2 412 MHz ~ 2 462 MHz
	2.4 GHz WLAN (802.11n(HT40))	2 422 MHz ~ 2 452 MHz
RF Output Power	Bluetooth LE	1.93 dBm
	2.4 GHz WLAN (802.11n(HT20))	20.18 dBm
	2.4 GHz WLAN (802.11n(HT40))	22.78 dBm
Number of Channel	Bluetooth LE	40
	2.4 GHz WLAN (802.11n(HT20))	9
	2.4 GHz WLAN (802.11n(HT40))	7
Modulation Type	Bluetooth LE	GFSK
	2.4 GHz WLAN(802.11n(HT20/40))	OFDM
Antenna Type	Dipole Antenna	
Antenna Gain	3.17 dBi	
Antenna Operating Mode	Single Antenna Equipment with only one antenna	

2.3 Mode of operation during the test

- The EUT is continuous transmission mode during the test with set at Low Channel, Middle Channel, and High Channel. To get a maximum radiated emission levels from the EUT, the EUT was moved throughout the XY, YZ, XZ planes.

2.4 Modifications of EUT

- None



2.5 Reason of Additional Model Name

- Same electrical specifications, structure and circuit as the basic model.



3. Test Summary

3.1 Test standards and results

FCC Part 15 Subpart C			
Clause	Test items	Applied	Results
§15.247 (a) (2)	6 dB Bandwidth	☒	PASS
§15.247 (b) (3)	Maximum Conducted Output Power	☒	PASS
§15.247 (e)	Power Spectral Density	☒	PASS
§15.247 (d)	Conducted Spurious Emission	☒	PASS
§15.247 (d) & §15.209 & §15.205	Radiated Spurious Emission	☒	PASS
§15.203	Antenna Requirement	☒	PASS
§15.207	Power Line Conducted Emission	☒	PASS(Note1)

- Note 1 : Test data contained in FCC Part 15 Subpart E §15.407

3.2 Purpose of the test

- To determine whether the equipment under test fulfills the requirements of the standards stated in FCC Part 15 Subpart C Section 15.247.

3.3 Test Methodology

Both conducted and radiated testing was performed according to the procedures in ANSI C63.10: 2013.

Radiated testing was performed at a distance of 3 m from EUT to the antenna.

3.4 Configuration of Test System

3.4.1 Radiated emission test

Preliminary radiated emissions test were conducted using the procedure in ANSI C63.10: 2013 to determine the worse operating conditions. Final radiated emission tests were conducted at 3 m Semi Anechoic Chamber.

The turntable was rotated through 360 degrees and the EUT was tested by positioned three orthogonal planes to obtain the highest reading on the field strength meter. Once maximum reading was determined, the search antenna was raised and lowered in both vertical and horizontal polarization.



3.5 Antenna requirement

According to §15.203, an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

The use of a permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this Section.

The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

And according to §15.247(b)(4), the conducted output power limit specified in paragraph (b) of this section is based on the use of antennas with directional gains that do not exceed 6 dBi.

Except as shown in paragraph (c) of this section, if transmitting antennas of directional gain greater than 6 dBi are used, the conducted output power from the intentional radiator shall be reduced below the stated values in paragraphs (b)(1), (b)(2), and (b)(3) of this section, as appropriate, by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.5.1 Result: Pass

The transmitter has a **Dipole Antenna**. The directional gain of the antenna is **3.17 dBi**.

**4. Used equipment on test**

	Description	Model Name	Manufacturer	Serial Number	Next Cal. (cycle)
☒	SIGNAL GENERATOR	SMB100A	R&S	180607	2024-03-02
☒	SPECTRUM ANALYZER	FSV40-N	R&S	101303	2024-03-03
☒	HIGH PASS FILTER	WT-A1698-HS	WT MICROWAVE	WT171201-6-4	2024-03-02
☒	DC POWER SUPPLY	XDL 35-5P	SORENSEN	J00385373	2024-03-03
☒	ATTENUATOR	PFA40K2-10	PSATEK	-	2024-03-07
☒	LOOP ANTENNA	HFH2-Z2	R&S	100271	2025-03-08
☒	BI-Log ANTENNA	VULB9162	SCHWARZBECK	120	2024-12-26
☒	SIGNAL CONDITIONING UNIT	SCU08	R&S	100746	2024-04-03
☒	EMI TEST RECEIVER	ESR26	R&S	101461	2024-04-04
☒	DOUBLE RIDGED HORN ANTENNA	HF907	R&S	102556	2023-08-22
☒	SIGNAL CONDITIONING UNIT	SCU18	R&S	102342	2024-04-03
☒	EMI TEST RECEIVER	ESR26	R&S	101462	2024-04-04
☒	HORN ANTENNA	LB-42-10-C-KF	A-INFOMW	J202024625	2024-03-07
☒	PREAMPLIFIER	AMF-4F-18265-35-8P-1	MITEQ	771846	2024-03-07

※ All test equipment used is calibration on a regular basis.



5. 6 dB Bandwidth

5.1 Operating environment

Temperature : 23.6 °C

Relative humidity : 46.5 %

5.2 Measurement method

Standard : §15.247 (a) (2)

5.3 Test data

Operating mode : Transmit mode

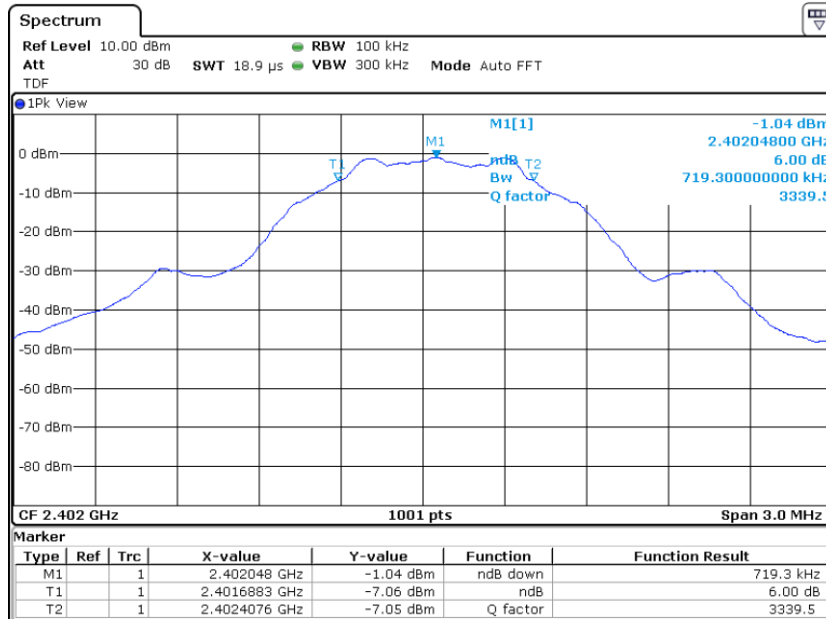
Test Result : Pass

5.3.1 Measured Results

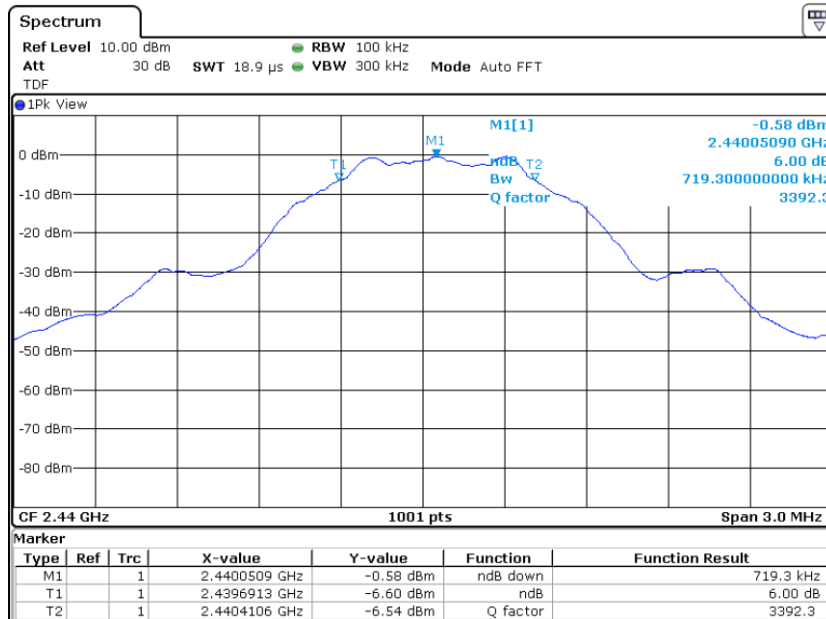
Modulation Type	Channel (Frequency)	Measured Value (kHz)	Limit (kHz)
Bluetooth LE	0 (2 402 MHz)	719.3	at least 500
	19 (2 440 MHz)	719.3	
	39 (2 480 MHz)	722.3	
802.11n(HT20)	0 (2 412 MHz)	15 174	
	5 (2 437 MHz)	15 178	
	8 (2 462 MHz)	15 178	
802.11n(HT40)	0 (2 422 MHz)	35 157	
	3 (2 437MHz)	35 178	
	6 (2 452 MHz)	35 175	



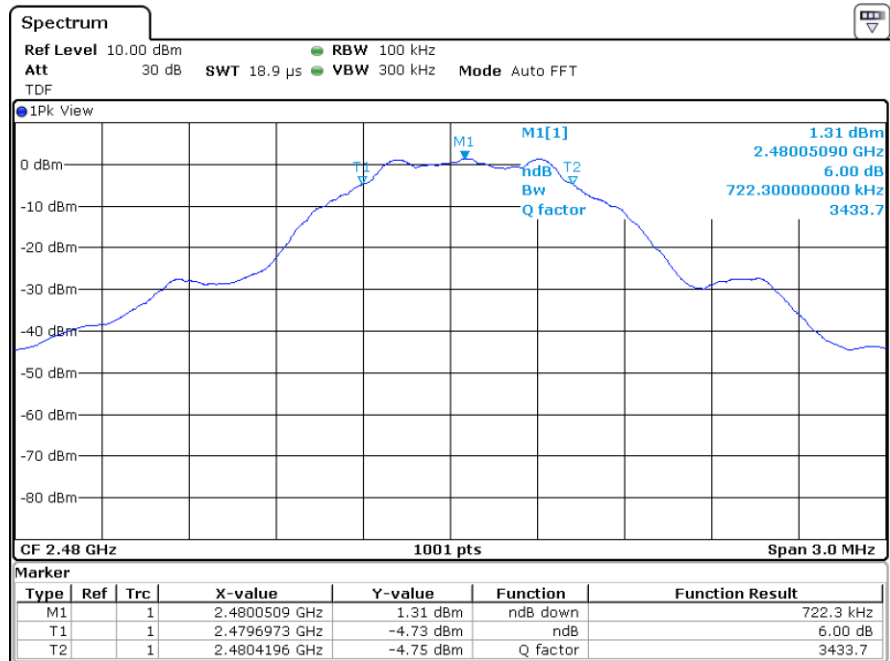
5.3.2 Measured Graph (6 dB Bandwidth)_Bluetooth LE



Low CH



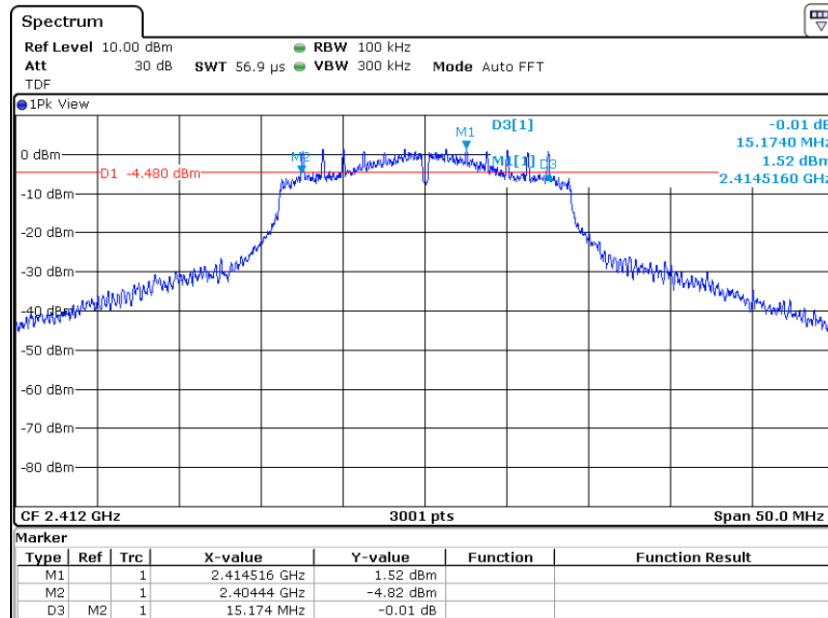
Mid CH



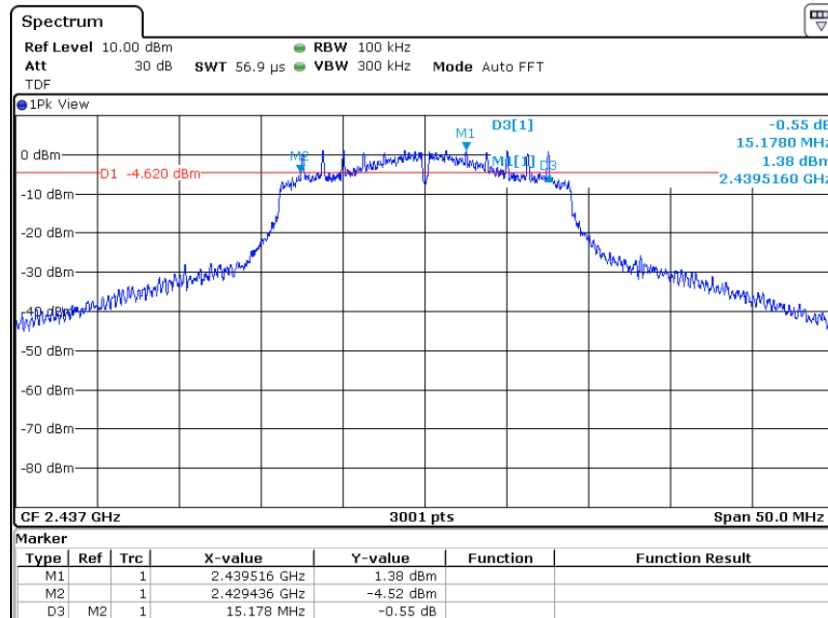
High CH



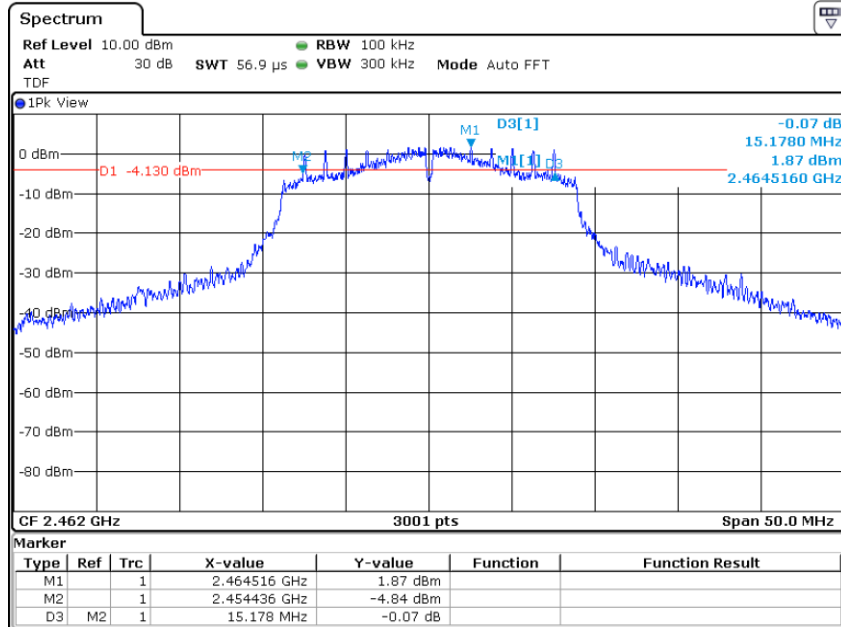
5.3.3 Measured Graph (6 dB Bandwidth)_ 2.4 GHz WLAN (802.11n(HT20))



Low CH



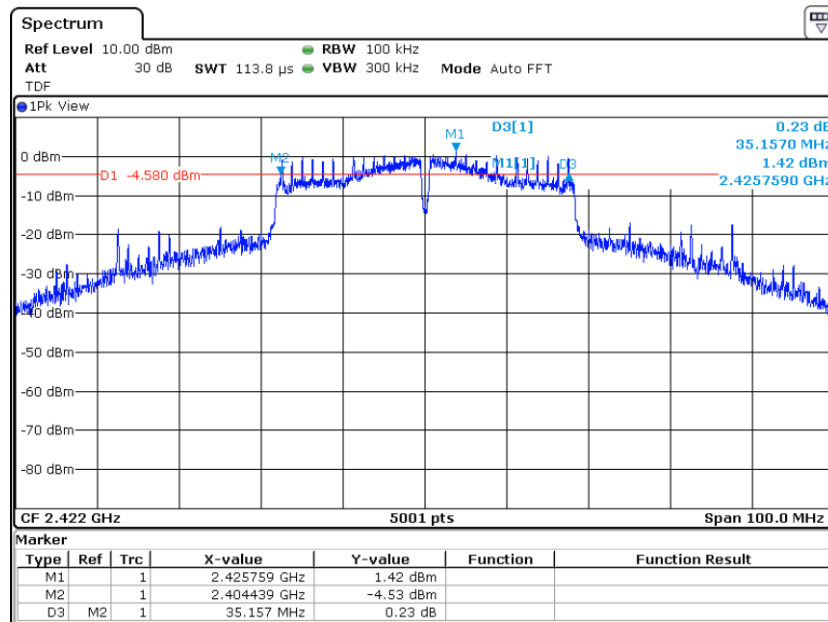
Mid CH



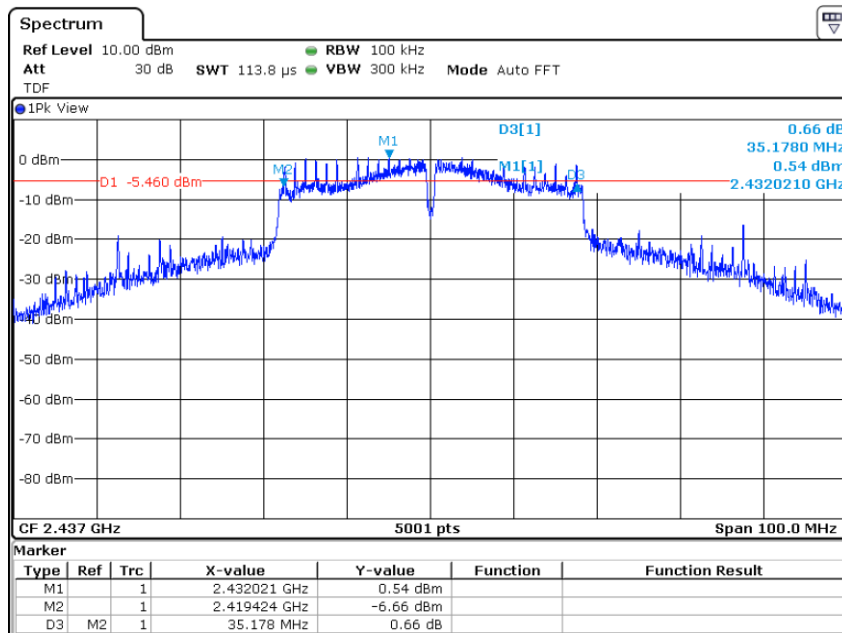
High CH



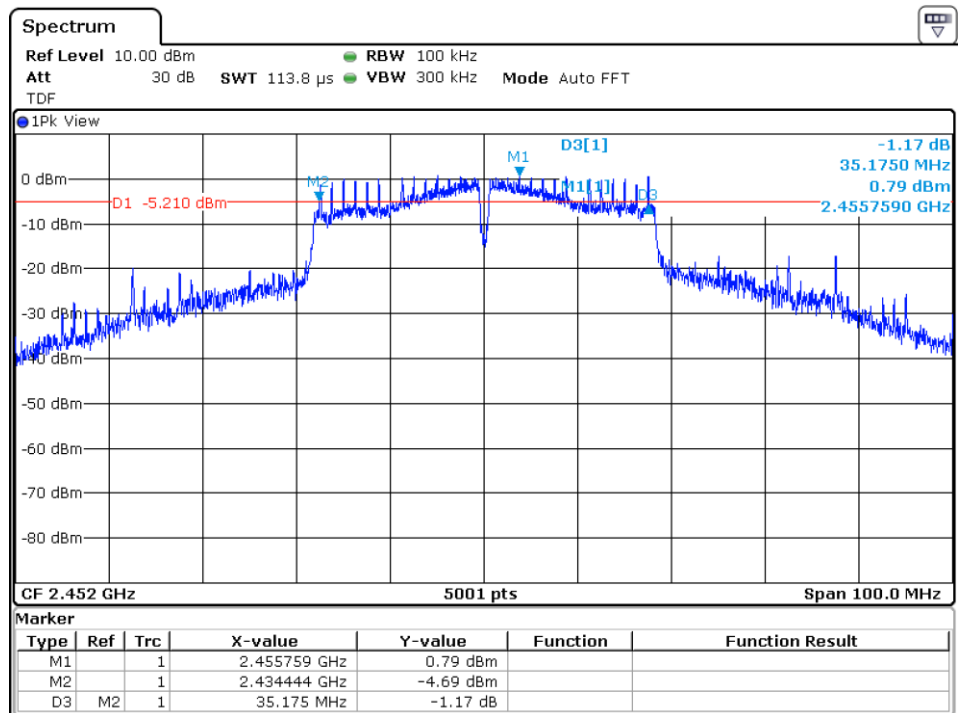
5.3.4 Measured Graph (6 dB Bandwidth)_ 2.4 GHz WLAN (802.11n(HT40))



Low CH



Mid CH



High CH



6. Maximum Conducted Output Power

6.1 Operating environment

Temperature : 23.6 °C

Relative humidity : 46.5 %

6.2 Measurement method

Standard : §15.247 (b) (3) / ANSI C63.10-2013

6.3 Test data

Operating mode : Transmit mode

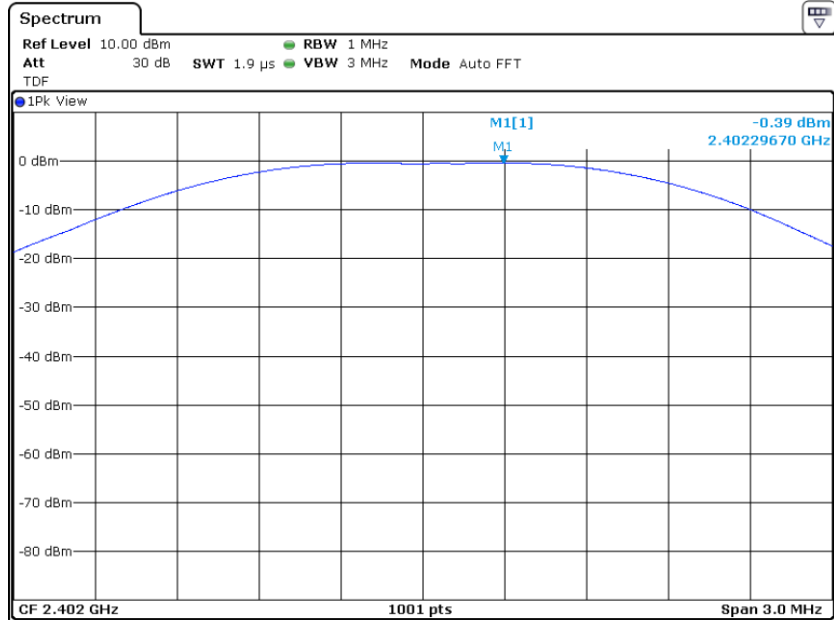
Test Result : Pass

6.3.1 Measured Results

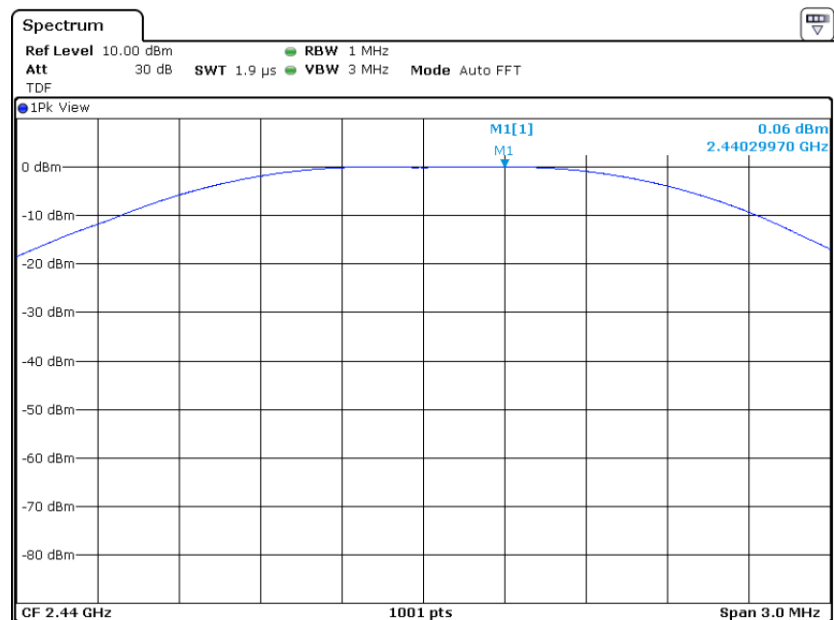
Modulation Type	Channel (Frequency)	Highest signal level (dBm)	Limit (dBm)
Bluetooth LE	0 (2 402 MHz)	-0.39	30 (1 Watt)
	19 (2 440 MHz)	0.06	
	39 (2 480 MHz)	1.93	
802.11n(HT20)	0 (2 412 MHz)	19.78	
	5 (2 437 MHz)	19.92	
	8 (2 462 MHz)	20.18	
802.11n(HT40)	0 (2 422 MHz)	22.41	
	3 (2 437MHz)	22.51	
	6 (2 452 MHz)	22.78	



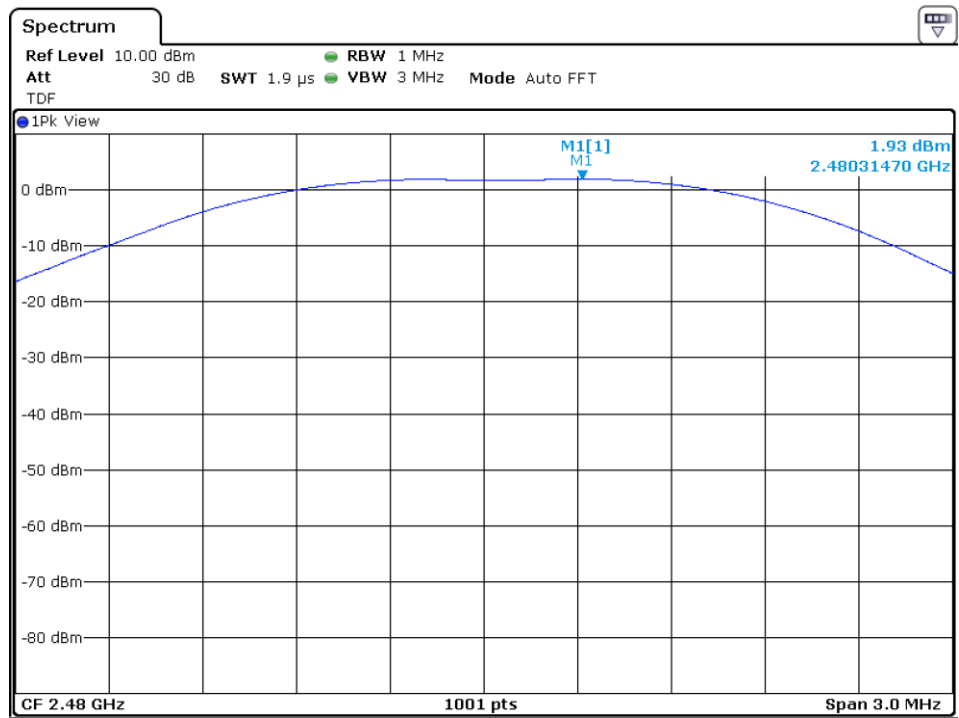
6.3.1.1 Measured Graph Bluetooth LE



Low CH



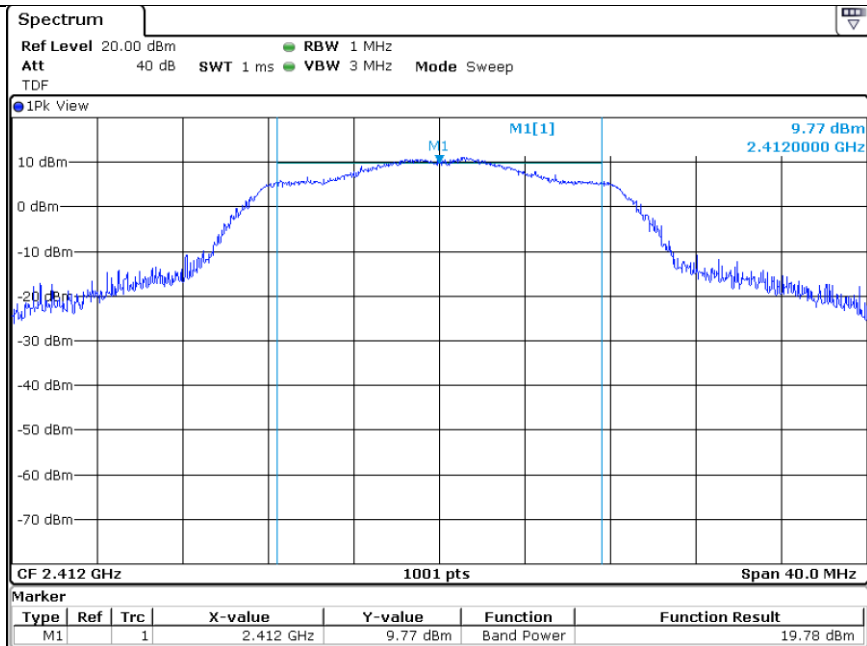
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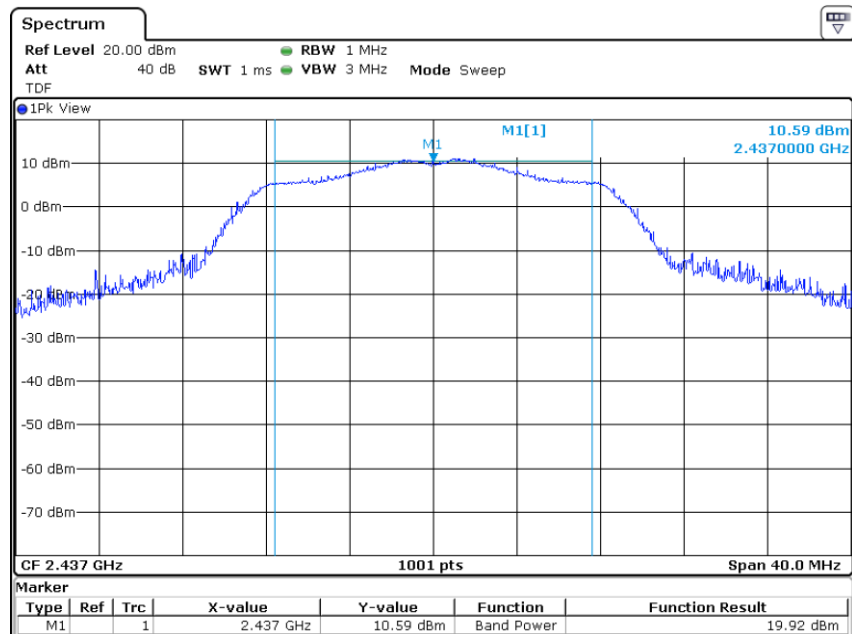
High CH



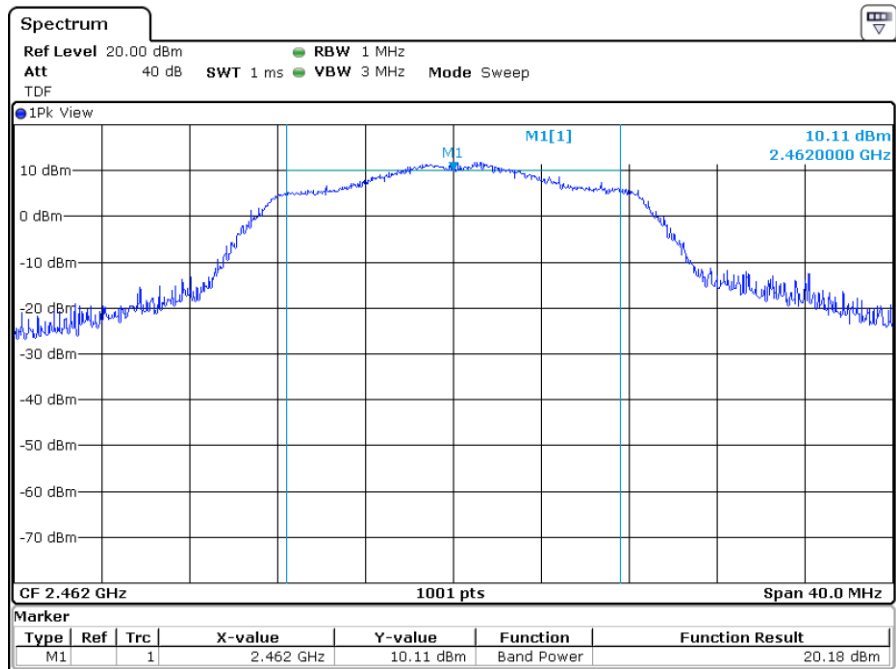
6.3.1.2 Measured Graph 2.4 GHz WLAN (802.11n(HT20))



Low CH



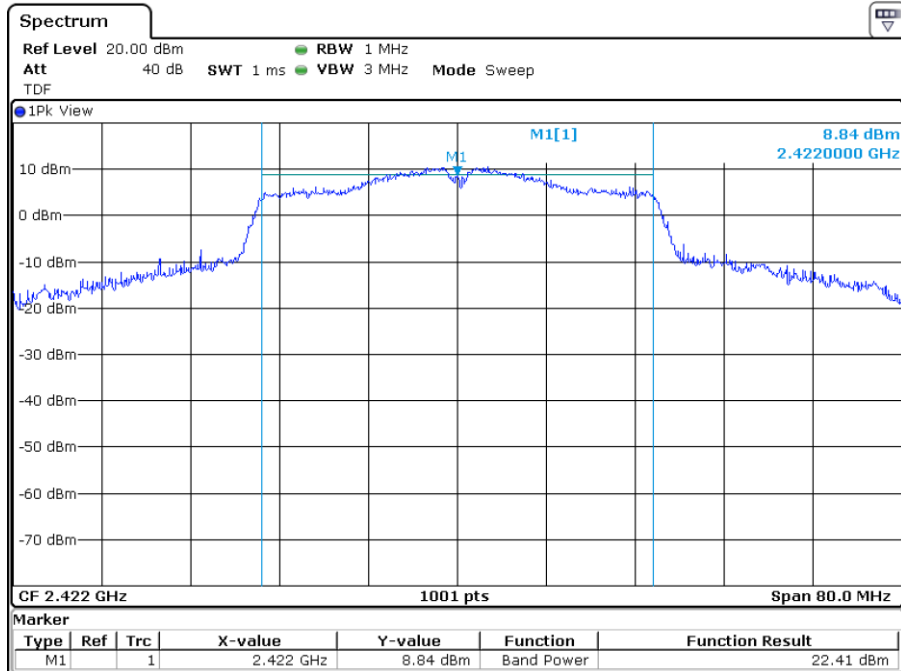
Mid CH



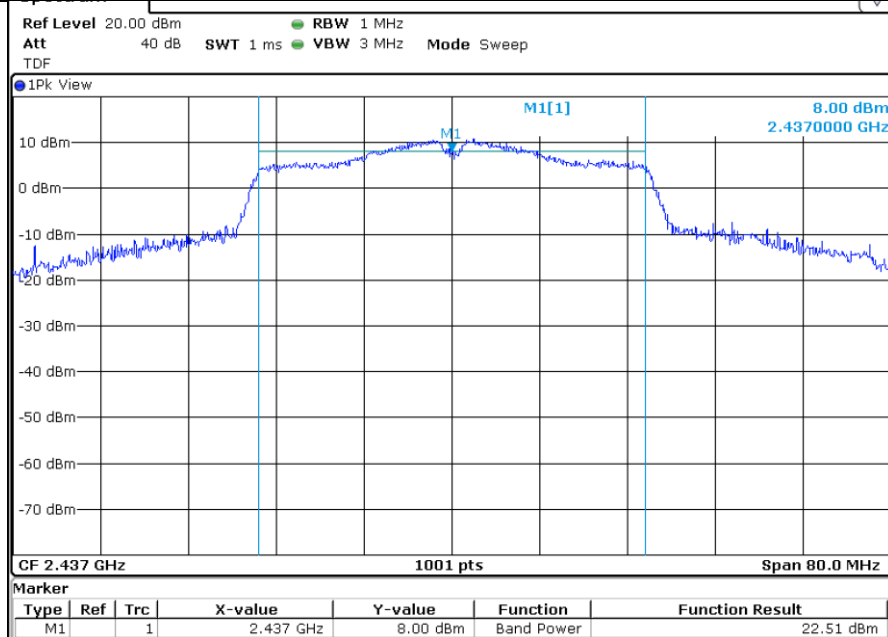
High CH



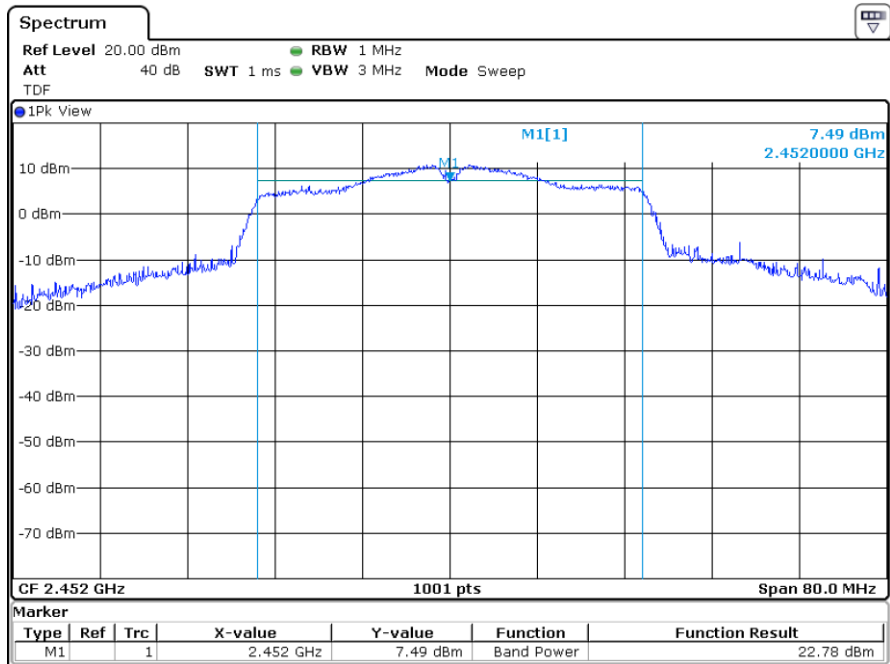
6.3.1.3 Measured Graph_2.4 GHz WLAN (802.11n(HT40))



Low CH



Mid CH



High CH



7. Power Spectral Density

7.1 Operating environment

Temperature : 23.6 °C

Relative humidity : 46.5 %

7.2 Measurement method

Standard : §15.247 (e)

7.3 Test data

Operating mode : Transmit mode

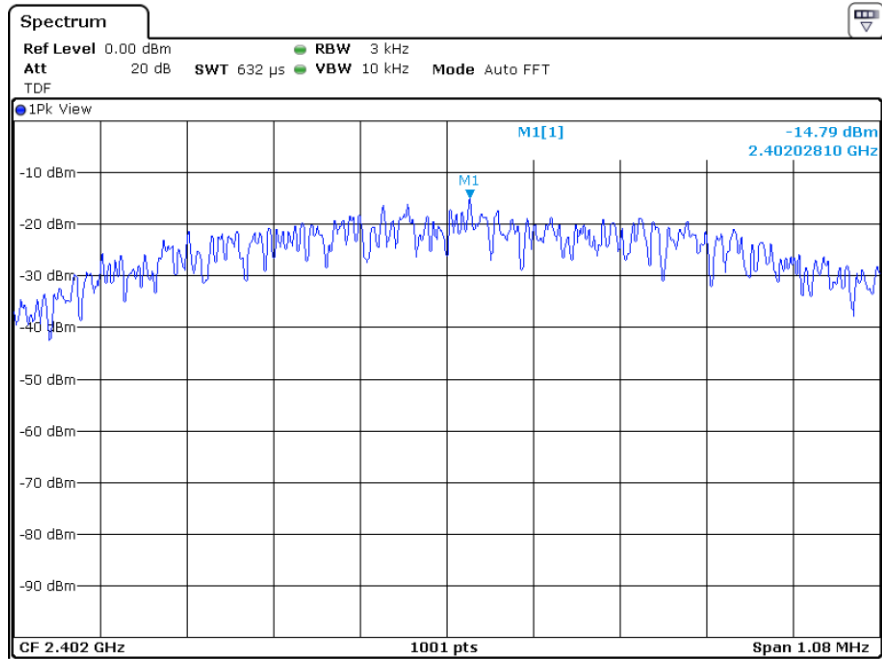
Test Result : Pass

7.3.1 Measured Results

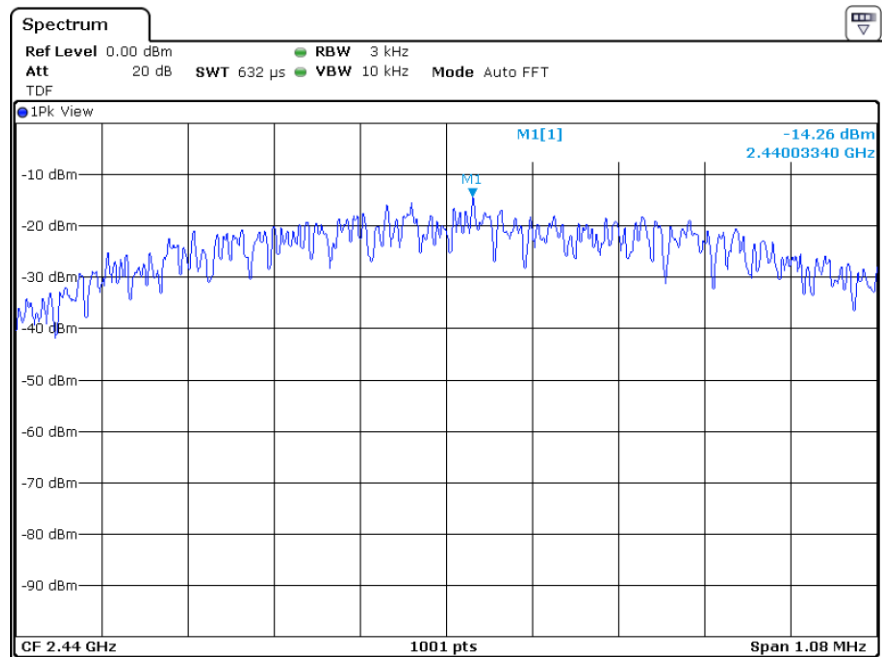
Modulation Type	Channel (Frequency)	Highest signal level (dBm)	Limit (dBm/3kHz)
Bluetooth LE	0 (2 402 MHz)	-14.79	8
	19 (2 440 MHz)	-14.26	
	39 (2 480 MHz)	-12.31	
802.11n(HT20)	0 (2 412 MHz)	-9.93	
	5 (2 437 MHz)	-10.18	
	11 (2 462 MHz)	-9.77	
802.11n(HT40)	0 (2 422 MHz)	-11.07	
	3 (2 437MHz)	-9.86	
	6 (2 452 MHz)	-10.51	



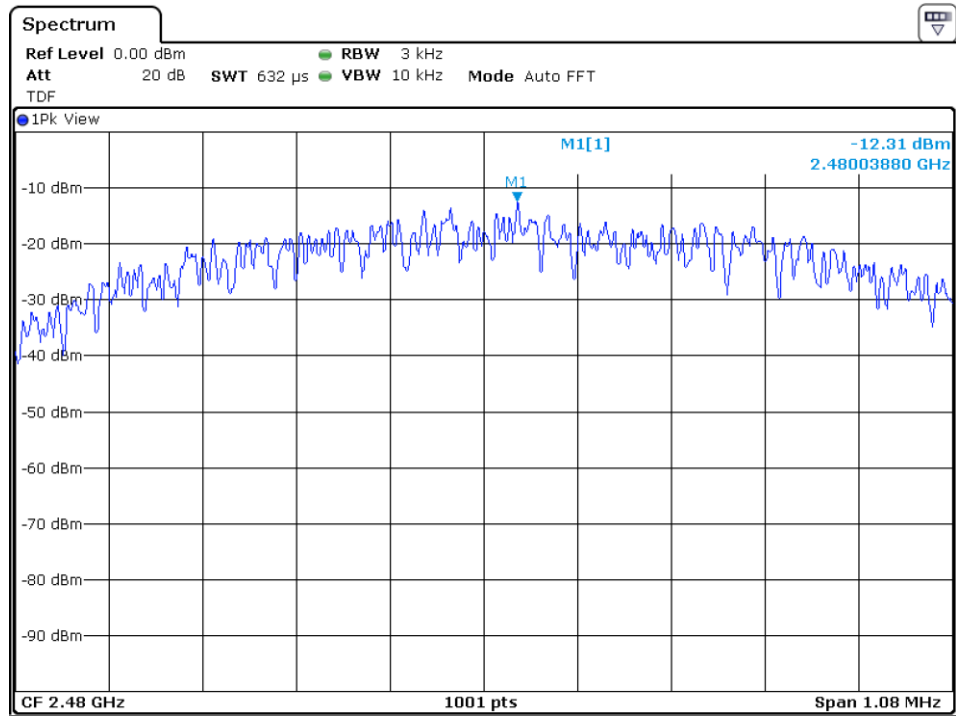
7.3.2 Measured Graph_ Bluetooth LE



Low CH



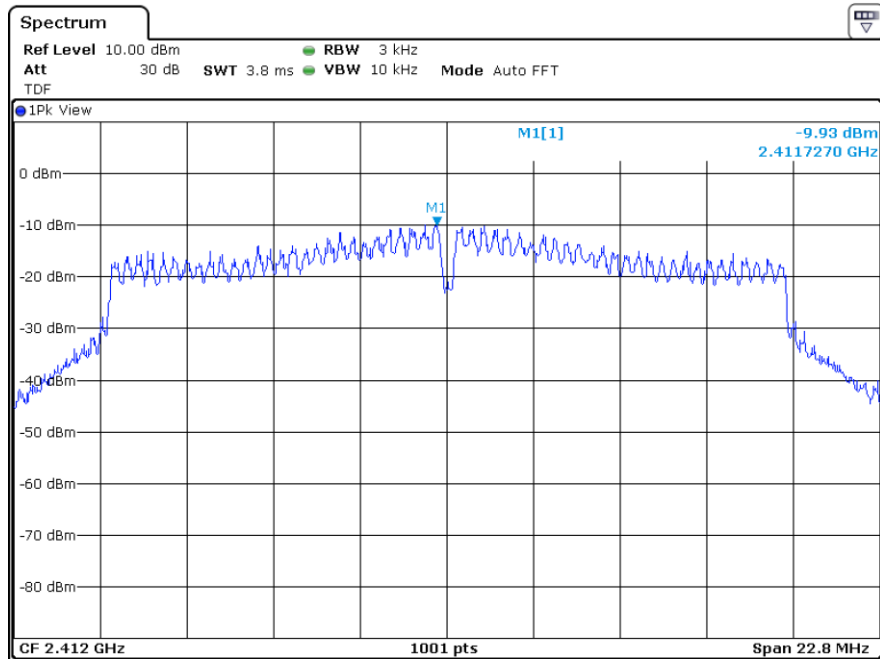
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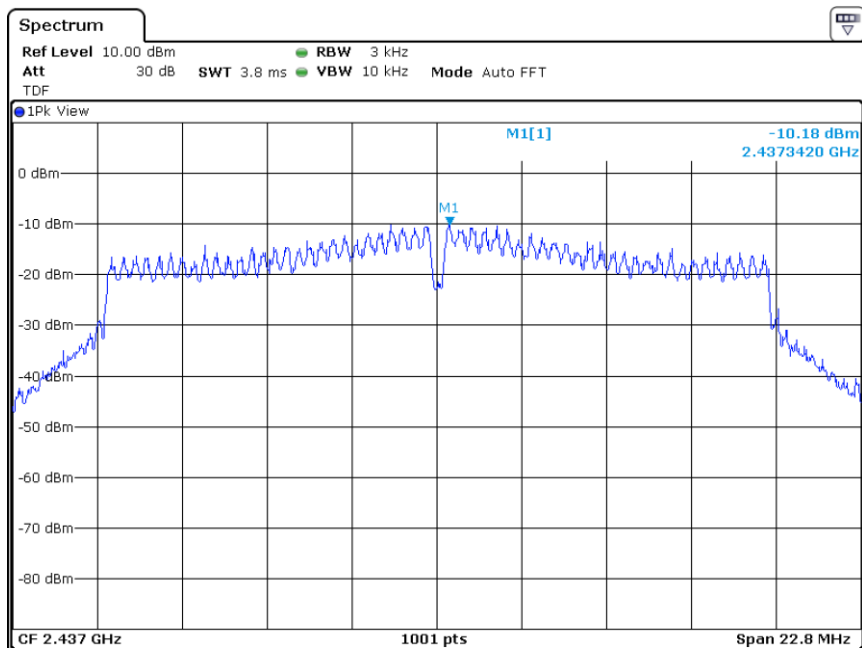
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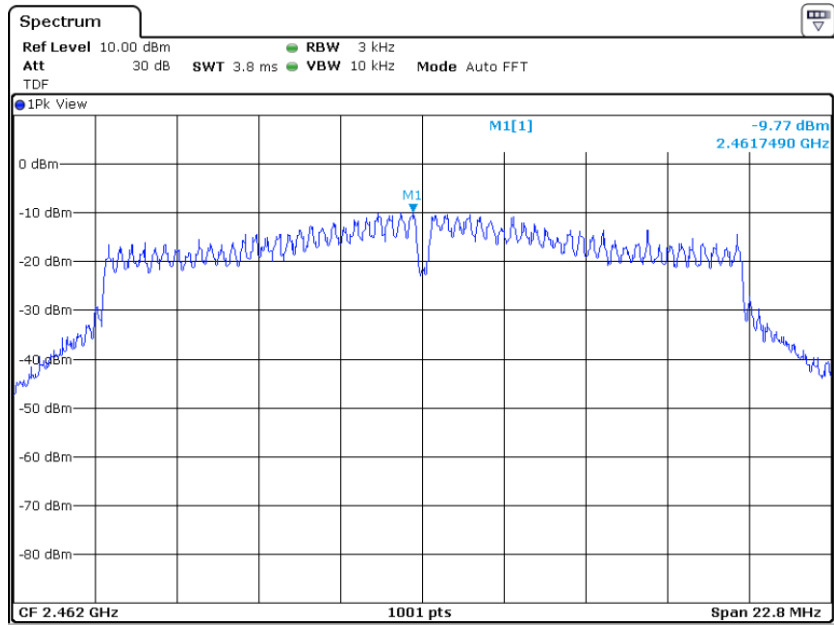
7.3.3 Measured Graph_ 2.4 GHz WLAN (802.11n(HT20))



Low CH



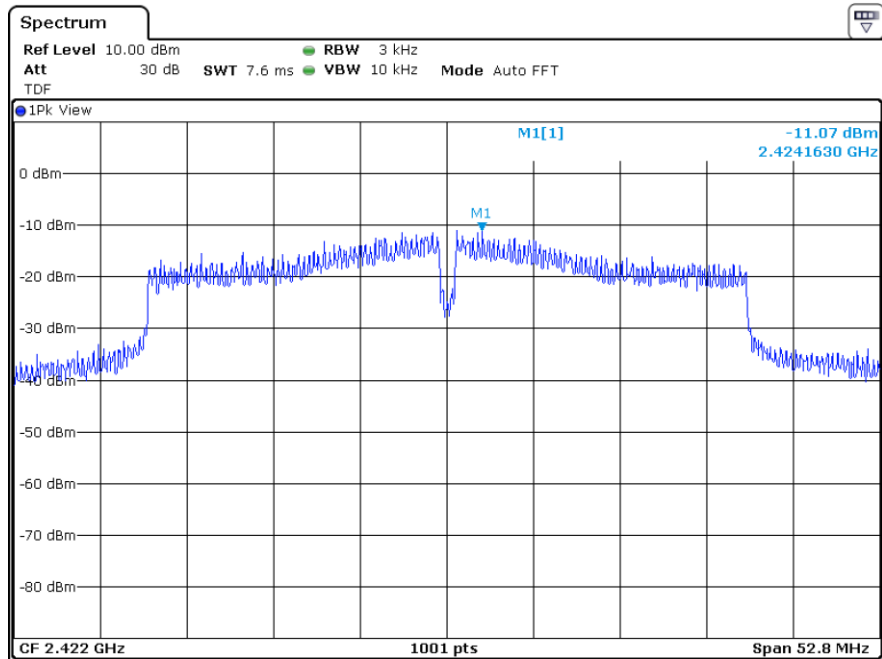
Mid CH



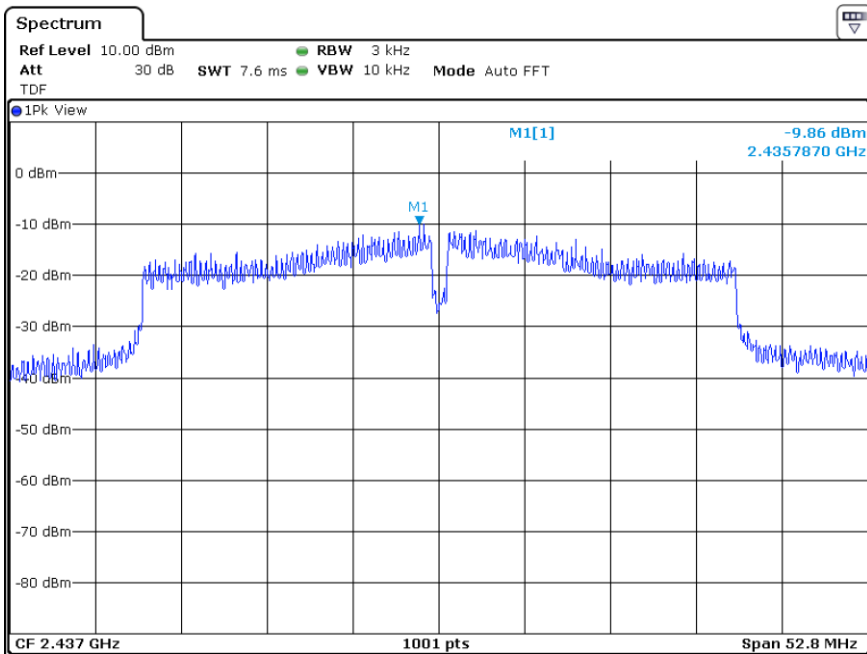
High CH



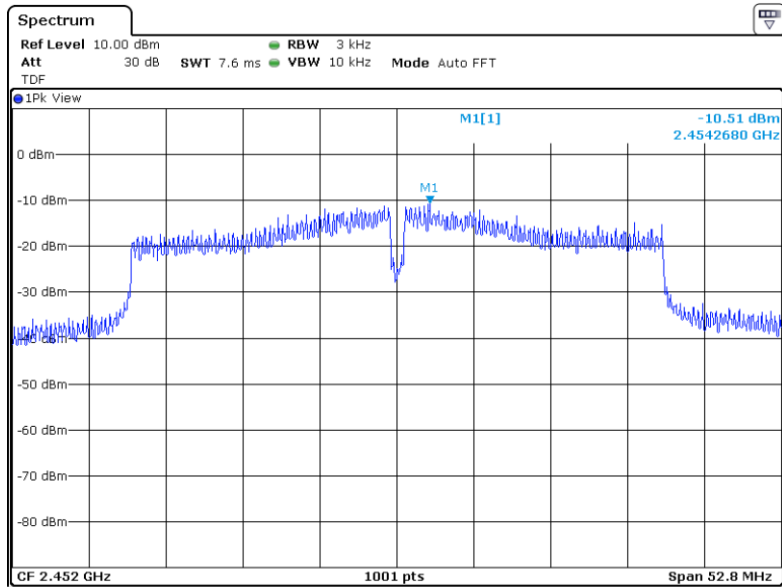
7.3.4 2.4 GHz WLAN (802.11n(HT40))



Low CH



Mid CH



High CH

8 Conducted Spurious Emission

8.1 Operating environment

Temperature : 23.6 °C
Relative humidity : 46.5 %

8.2 Measurement method

Standard : §15.247 (d)

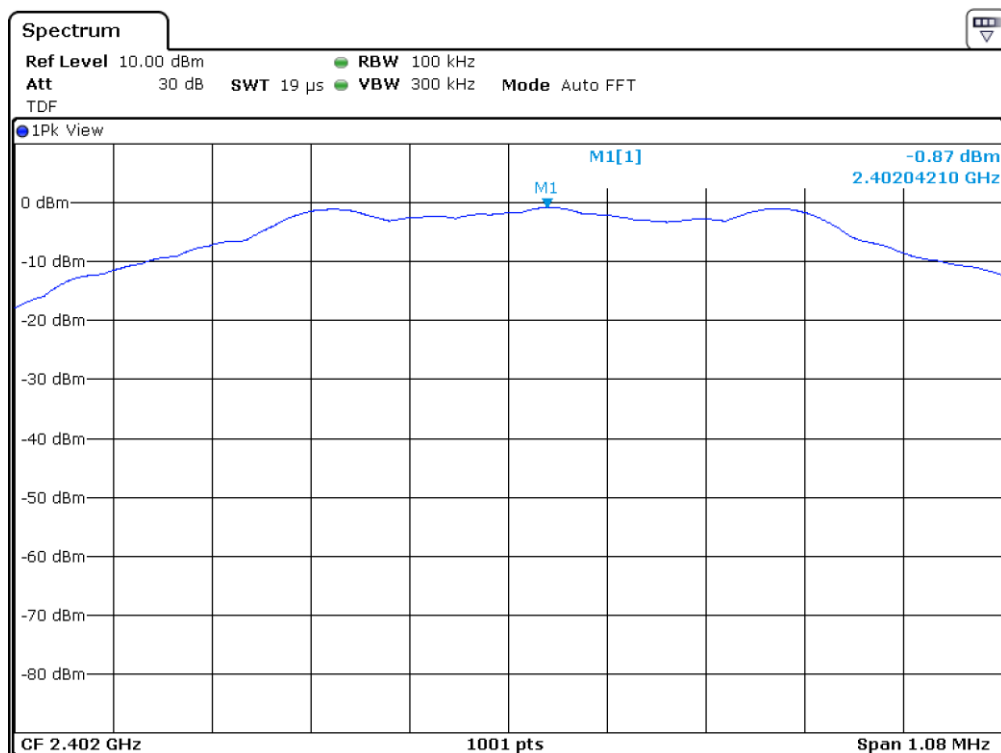
8.3 Test data

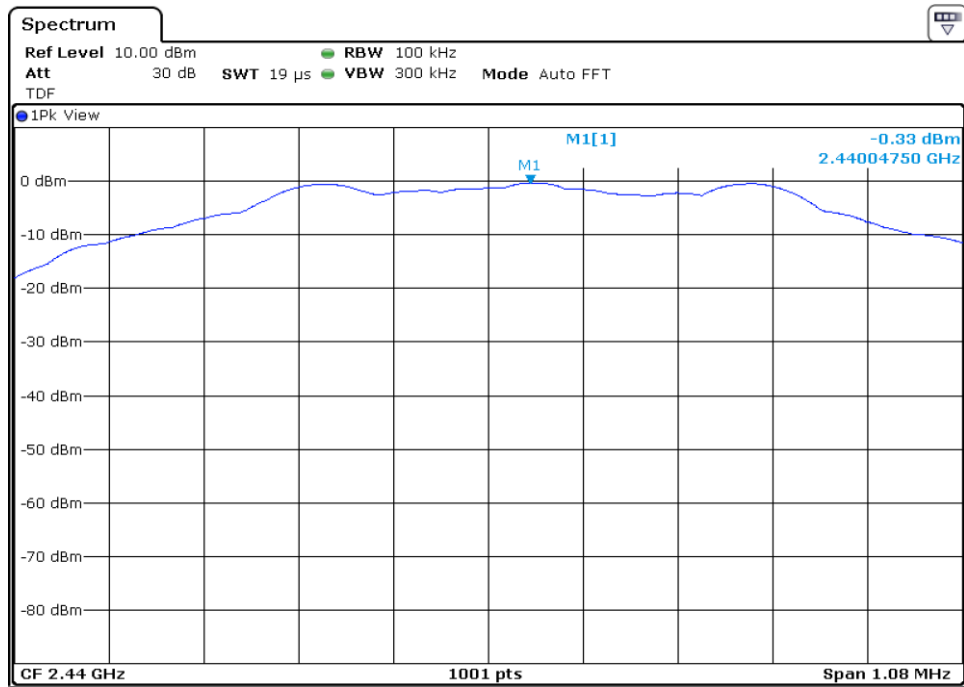
Operating mode : Transmit mode
Test Result : Pass

8.3.1 Measured Results

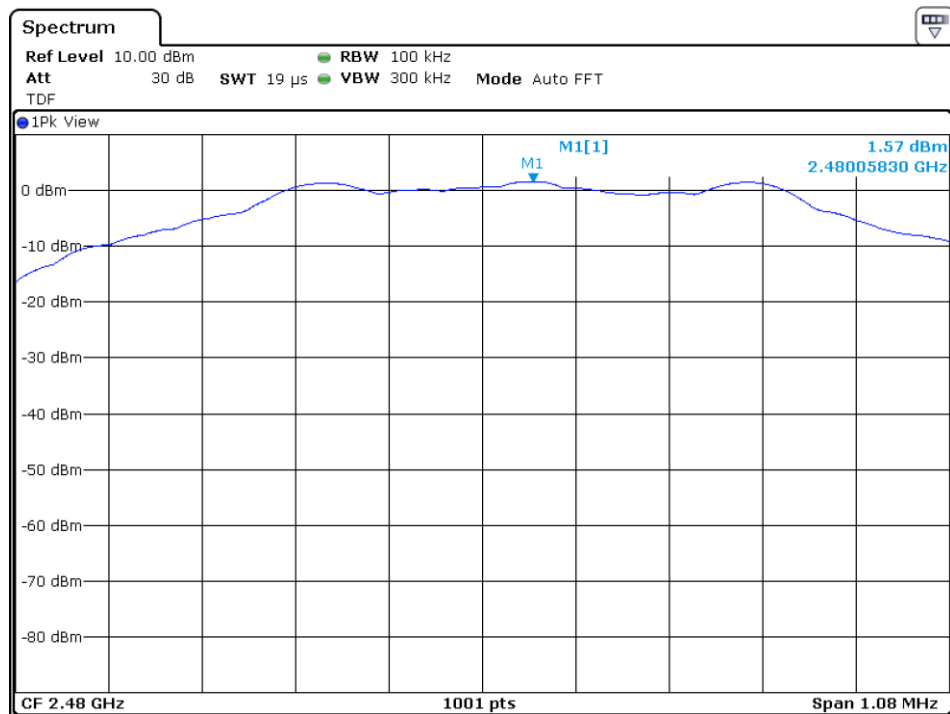
8.3.1.1 Bluetooth LE

8.3.1.1.1 Signal level (dB m)





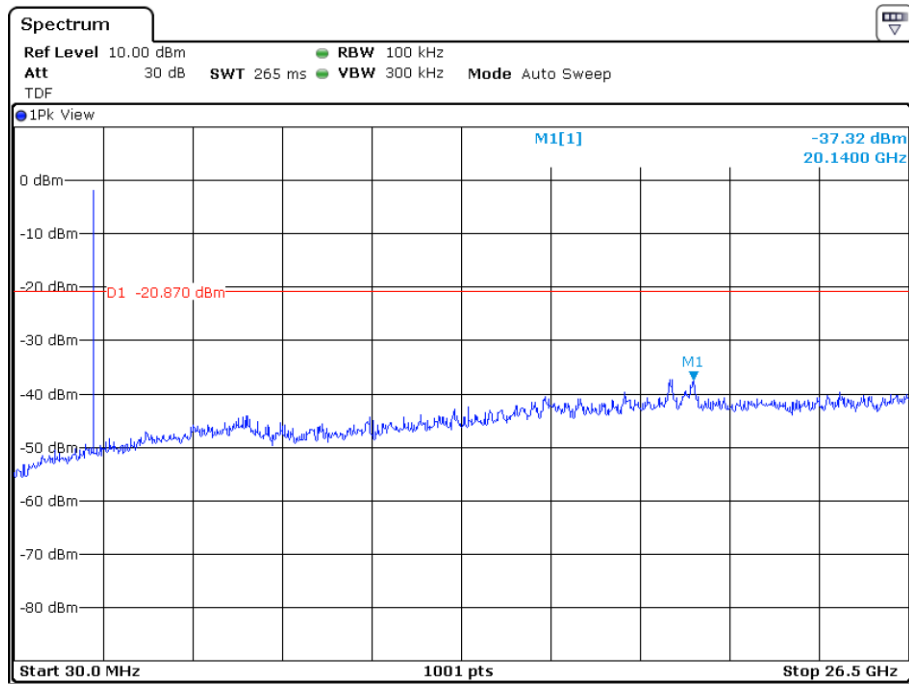
Mid CH



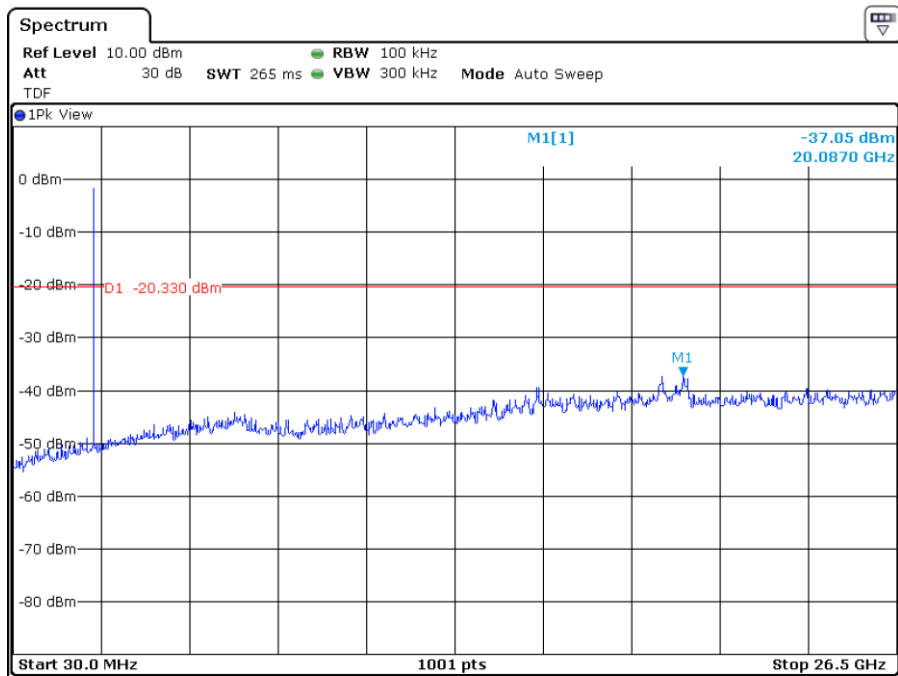
High CH



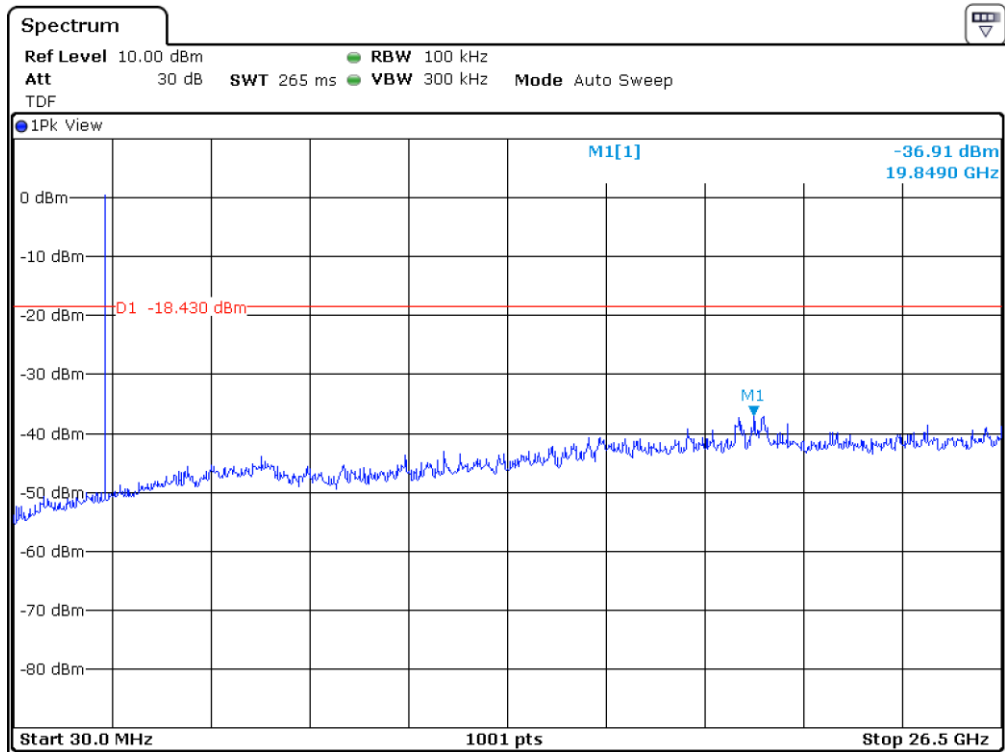
8.3.1.1.2 Unwanted Emissions In Non-Restricted Frequency Bands



Low CH



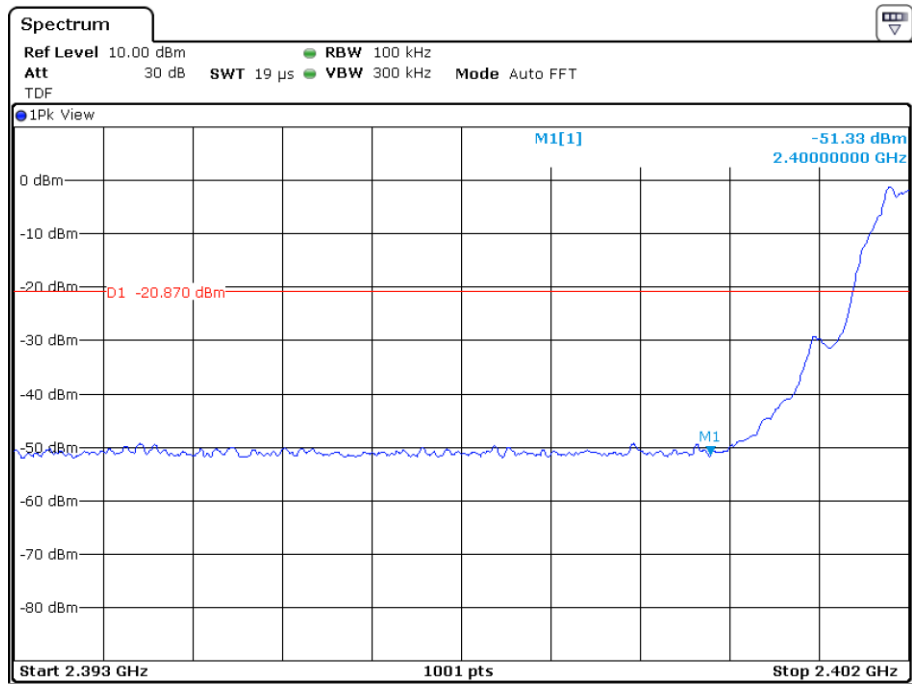
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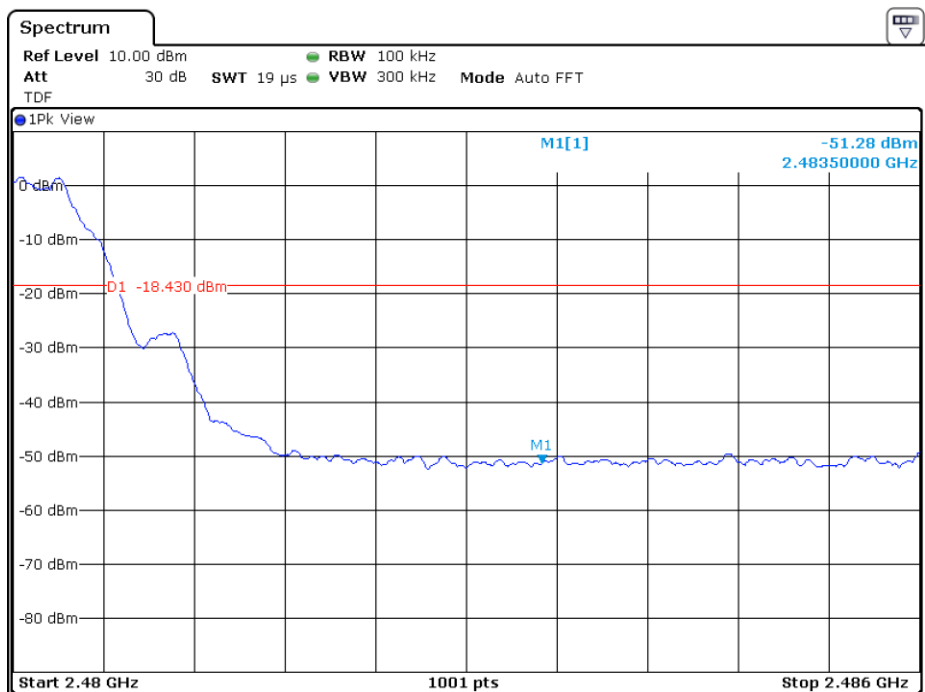
High CH



8.3.1.1.3 Band Edge



Low CH

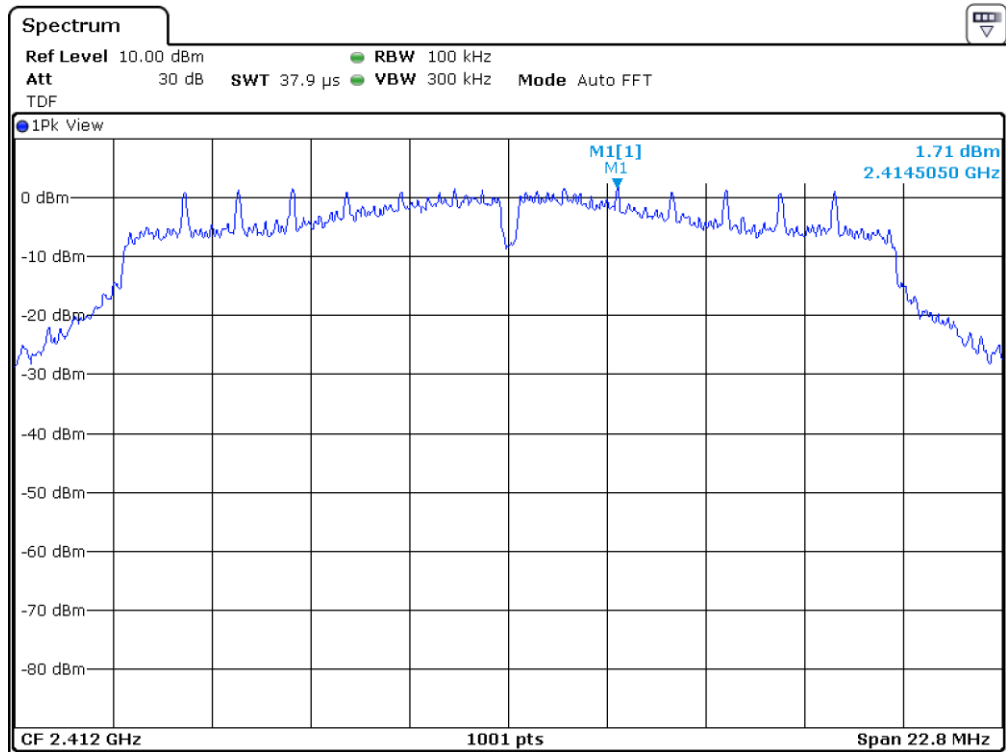


High CH

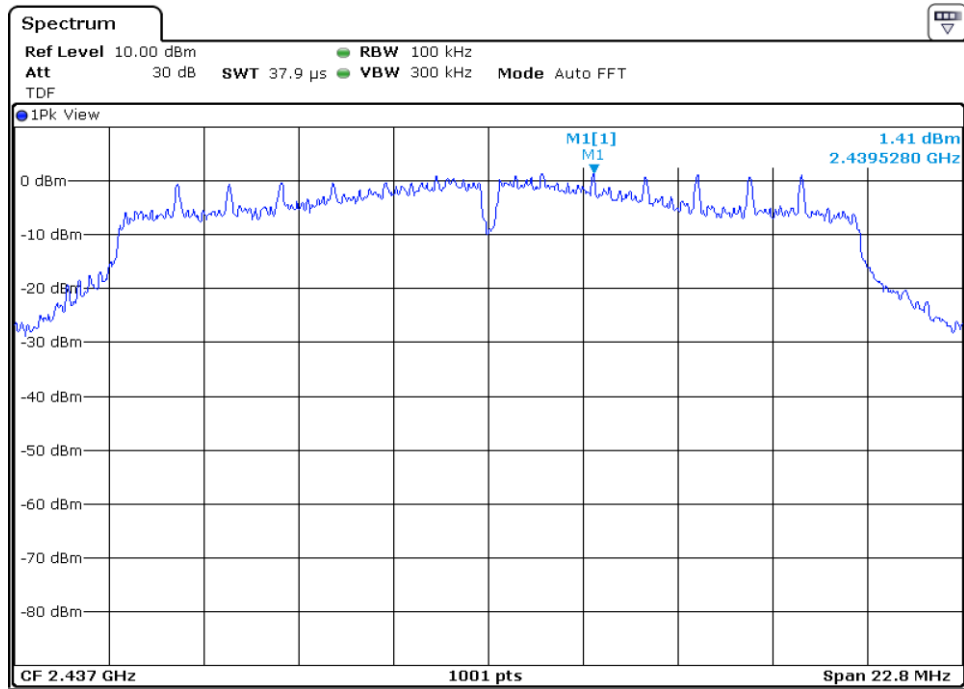


8.3.1.2 2.4 GHz WLAN (802.11n(HT20))

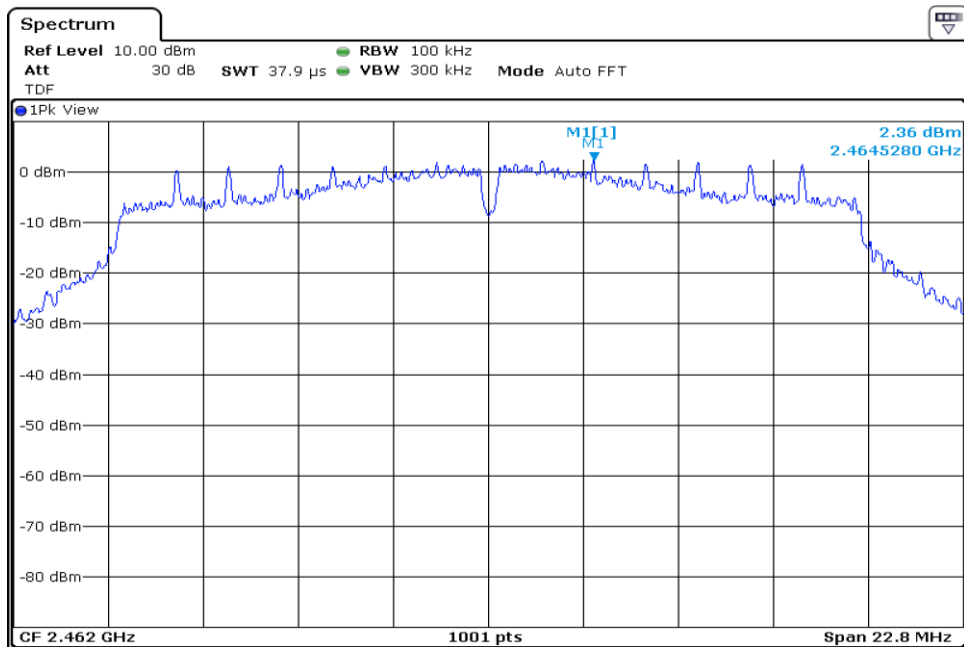
8.3.1.2.1 Signal level (dB m)



Low CH



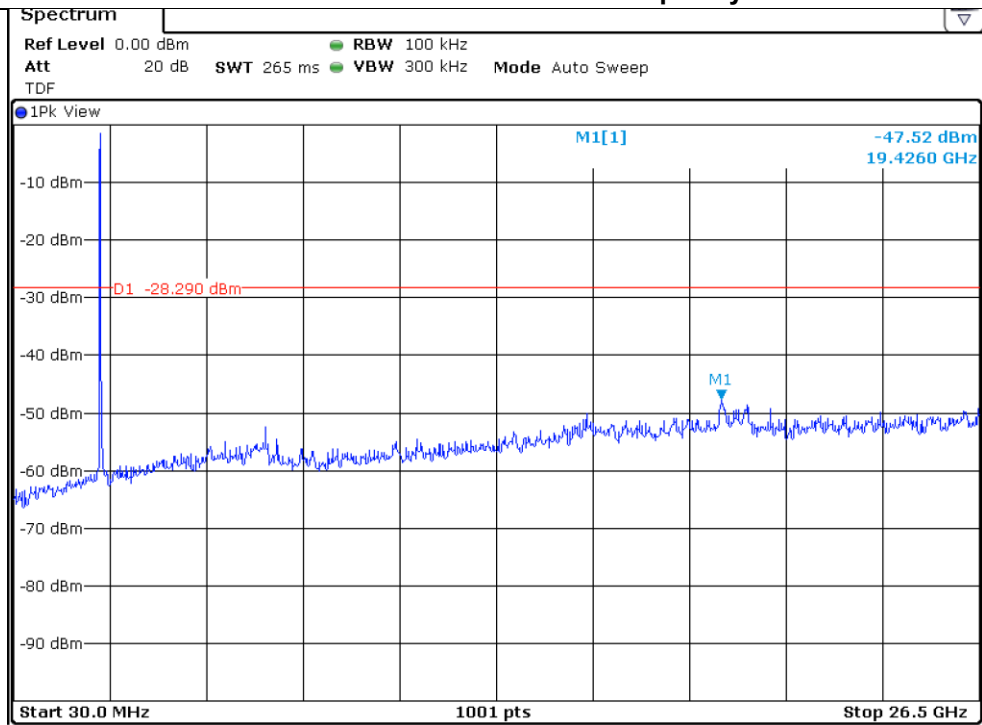
Mid CH



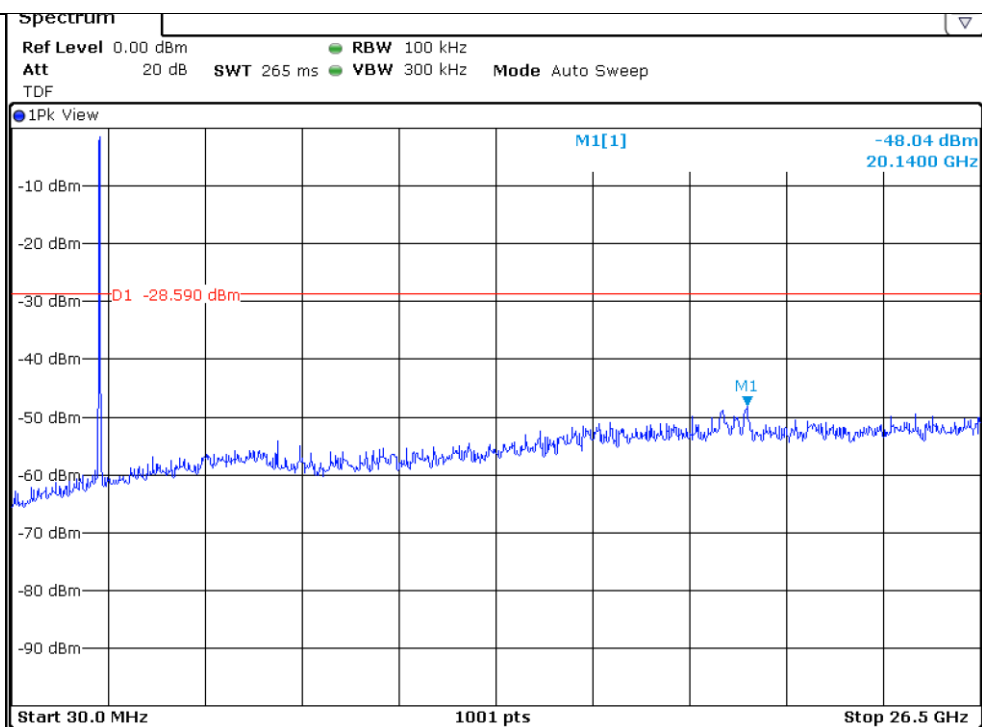
High CH



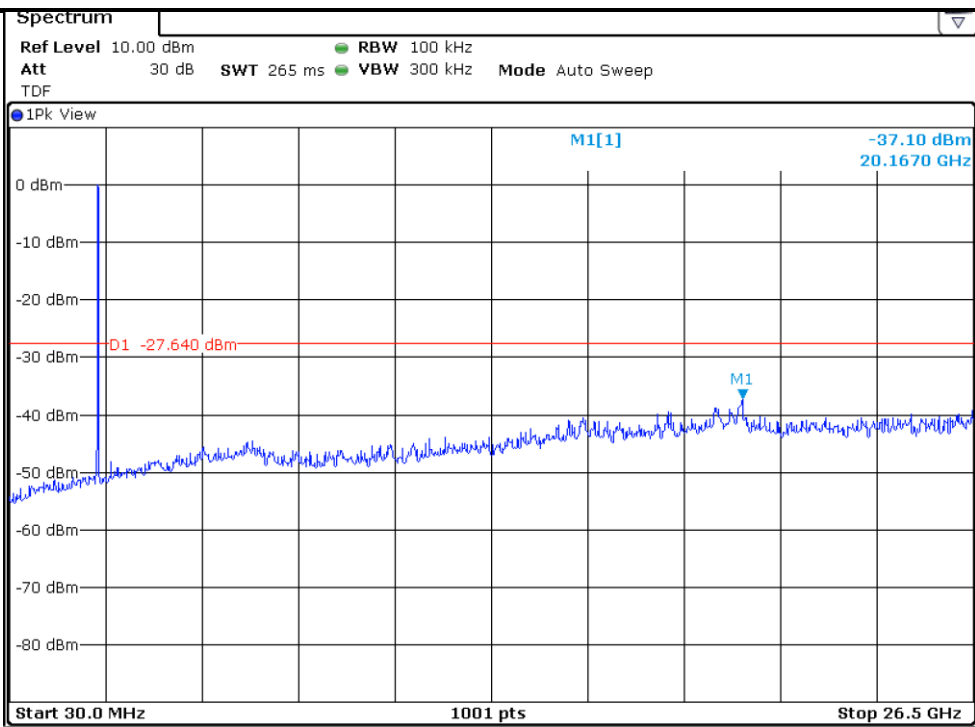
8.3.1.2.2 Unwanted Emissions In Non-Restricted Frequency Bands



Low CH



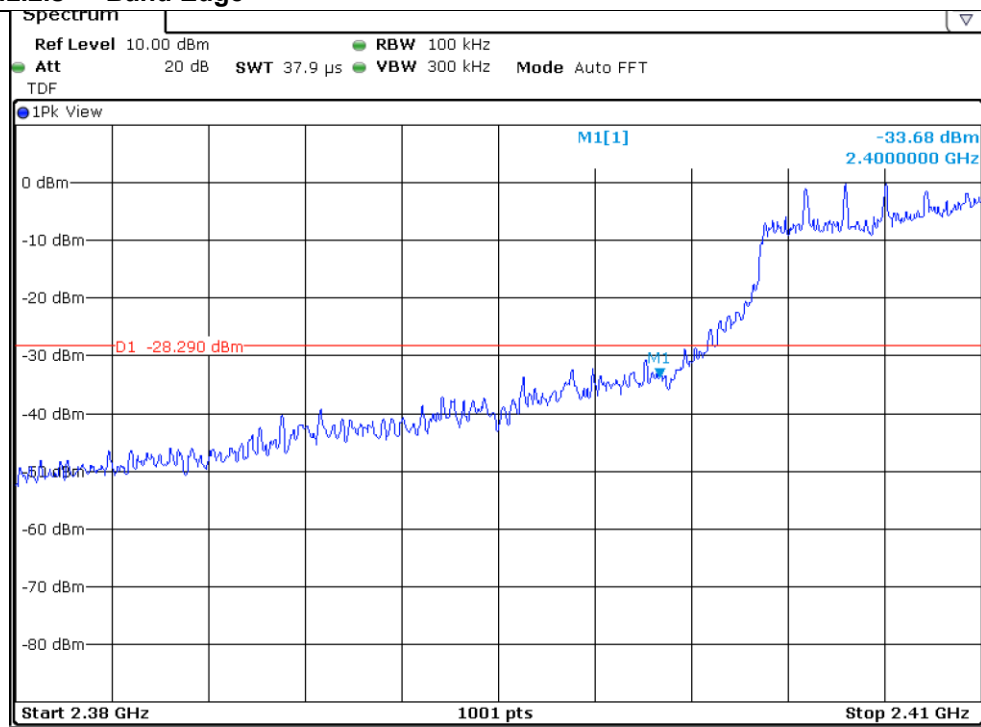
Mid CH



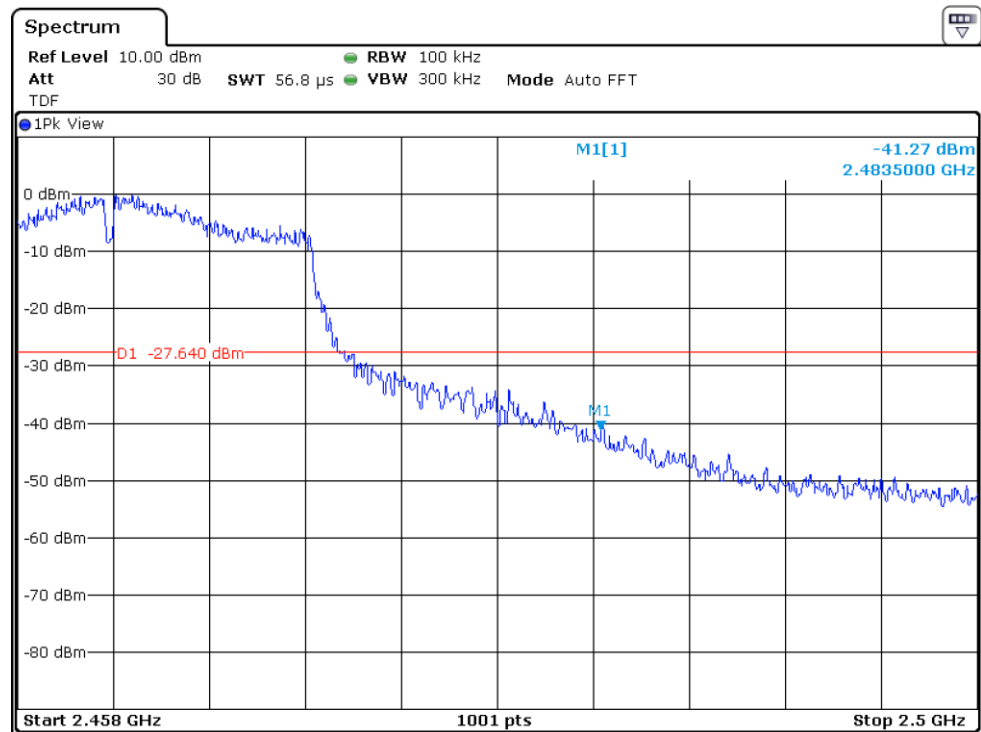
High CH



8.3.1.2.3 Band Edge



Low CH

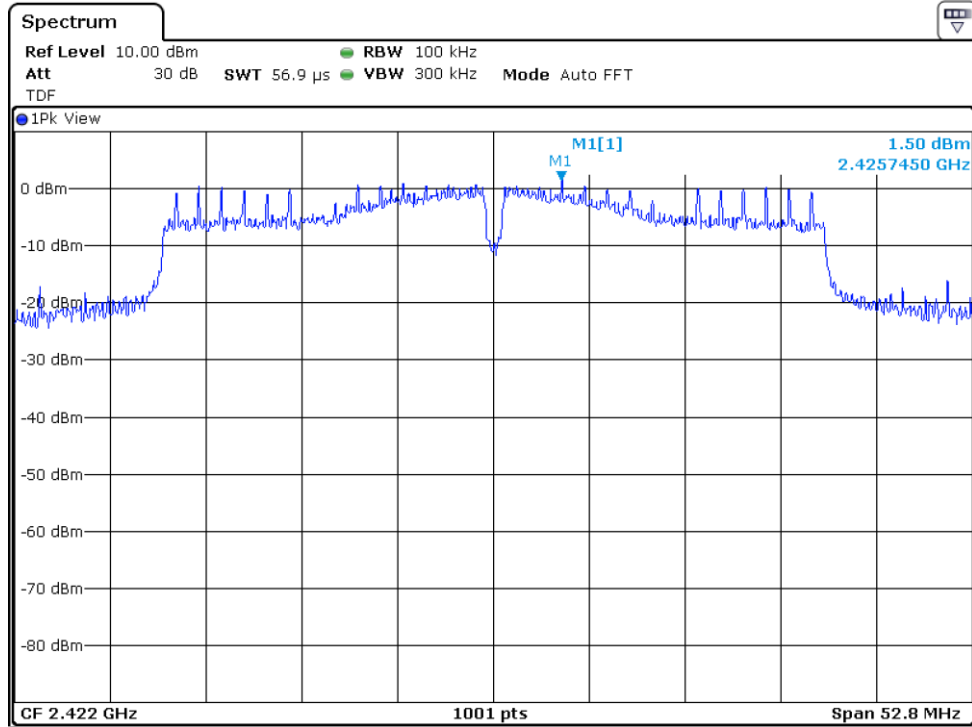


High CH

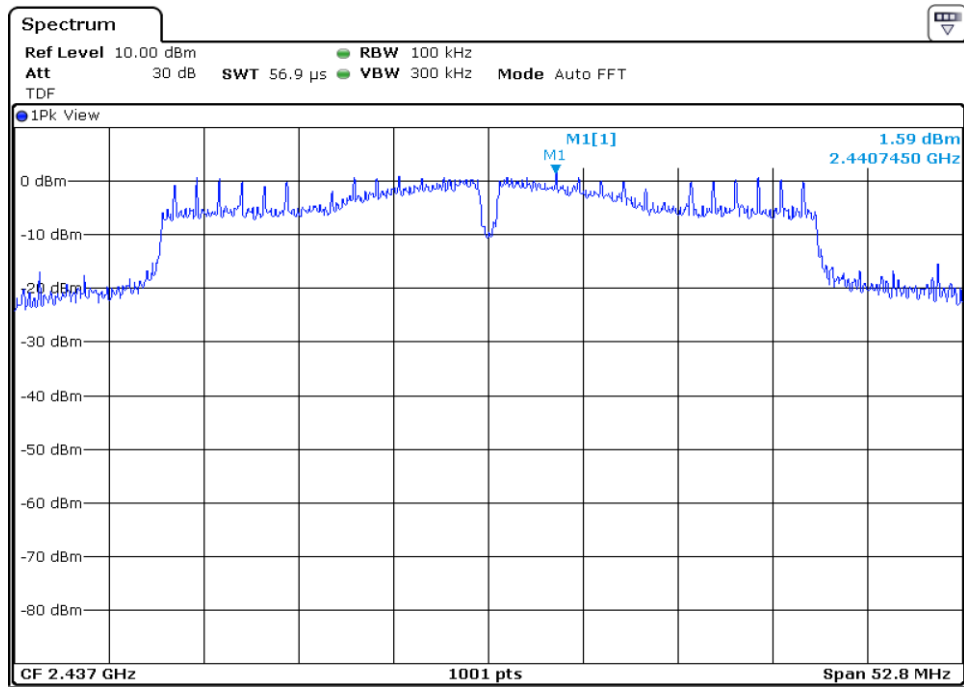


8.3.1.3 2.4 GHz WLAN (802.11n(HT40))

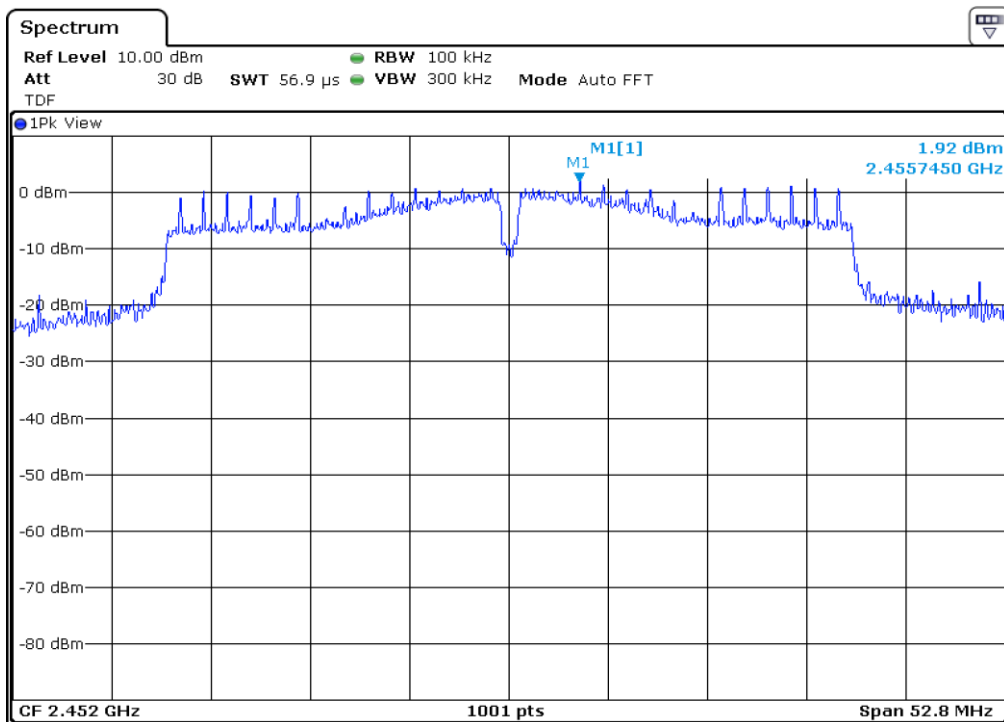
8.3.1.3.1 Signal level (dB m)



Low CH



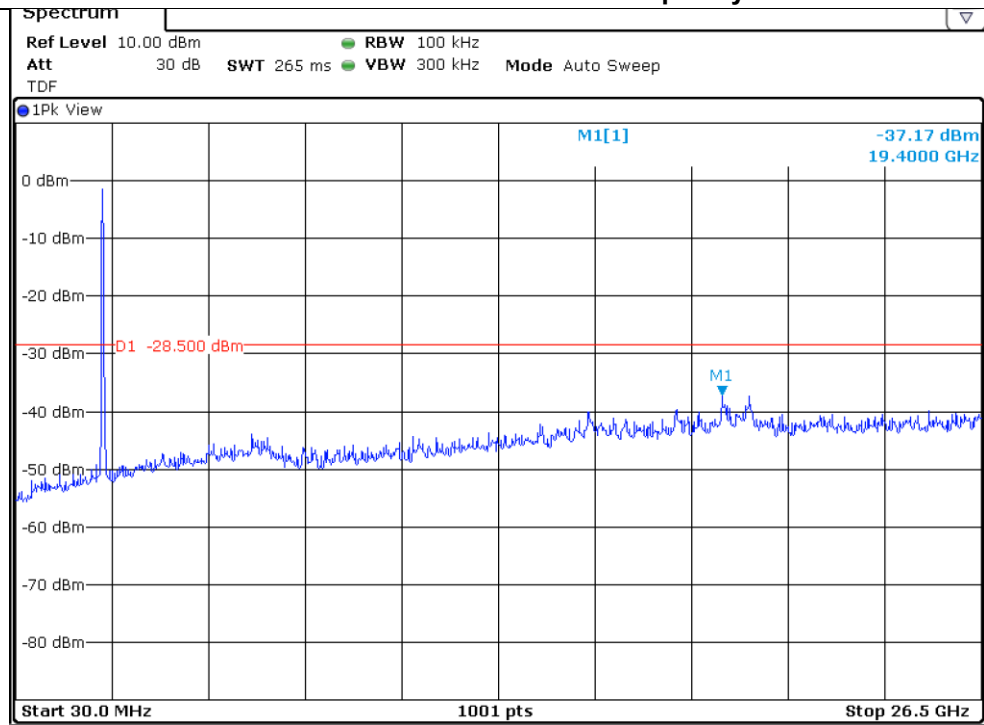
Mid CH



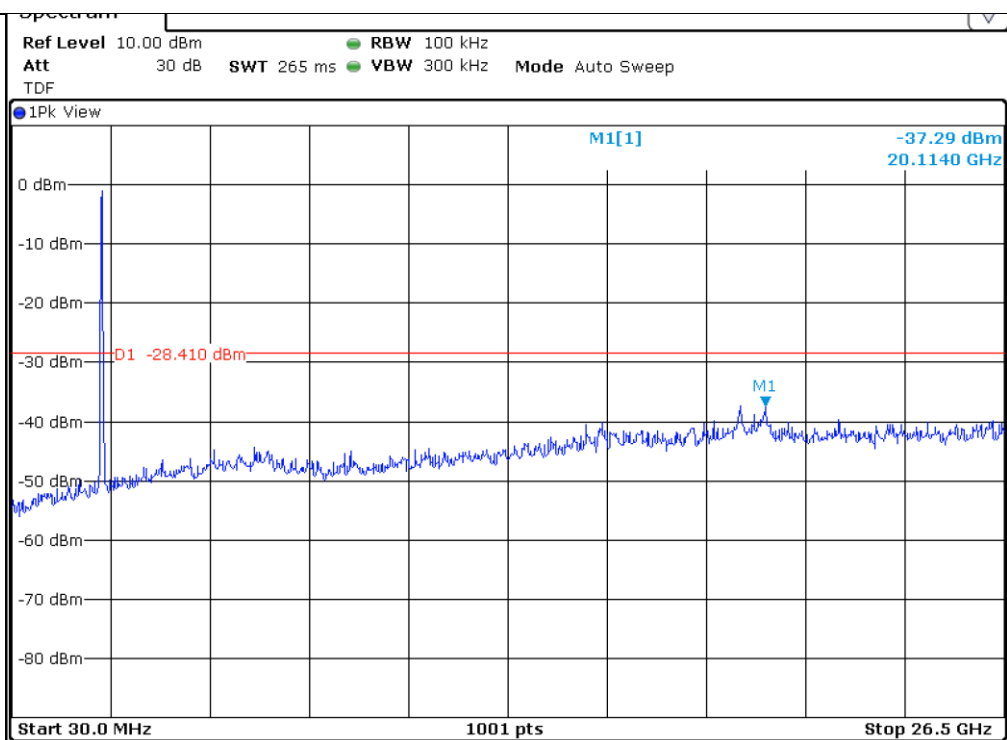
High CH



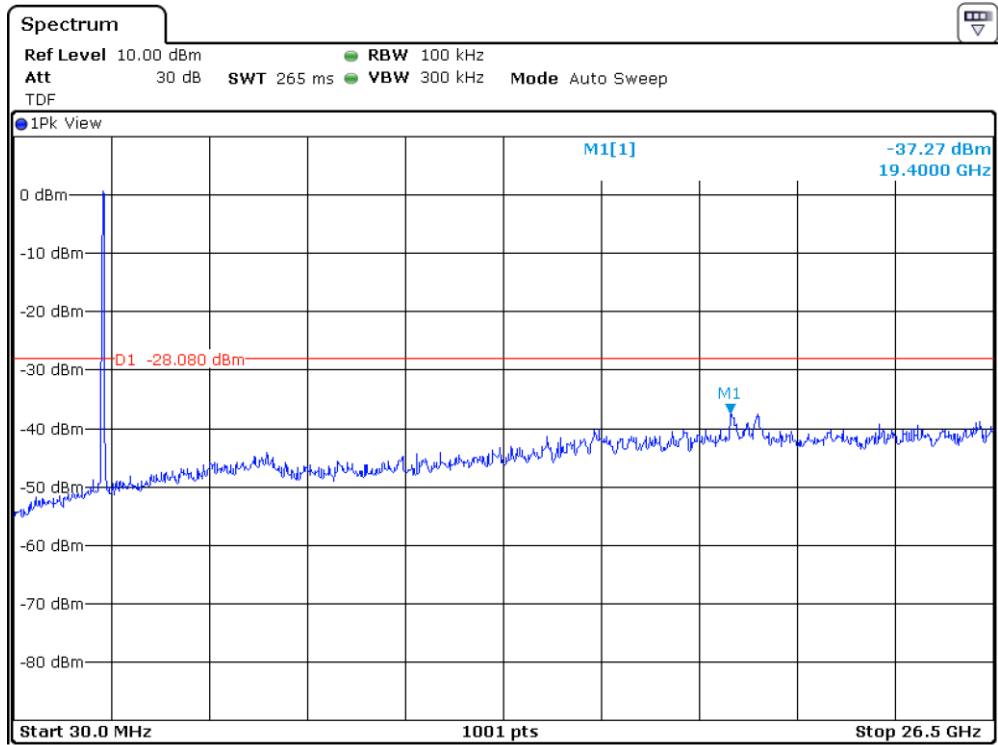
8.3.1.3.2 Unwanted Emissions In Non-Restricted Frequency Bands



Low CH



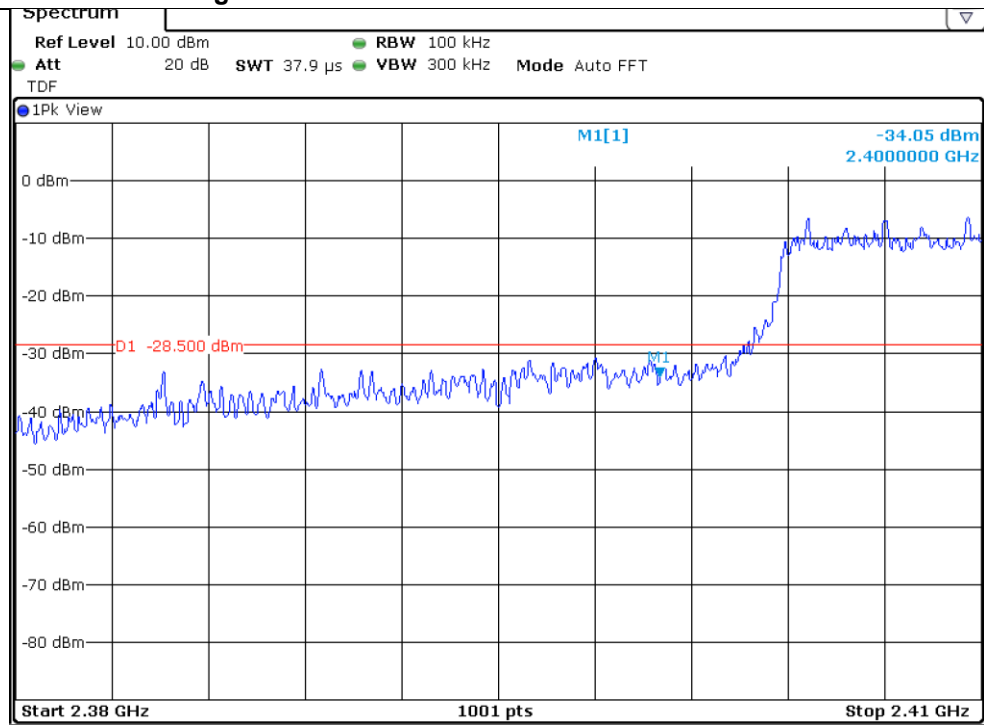
Mid CH



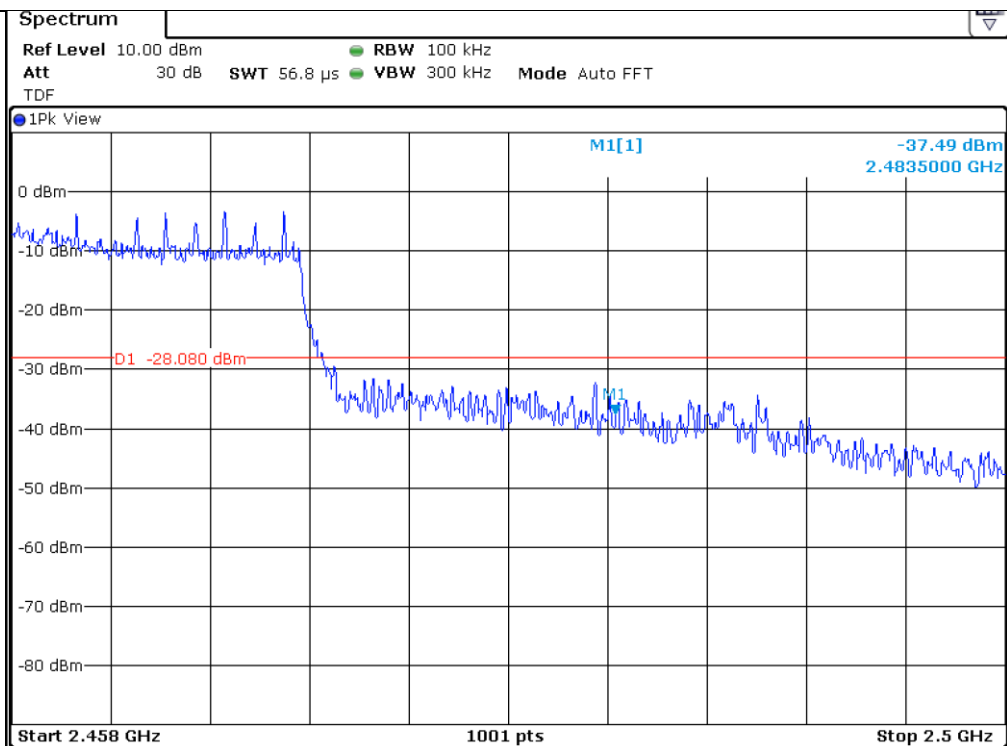
High CH



8.3.1.3.3 Band Edge



Low CH



High CH

9 Radiated Spurious Emission

9.1 Operating environment

Temperature : 24.1 °C
Relative humidity : 47.5 %

9.2 Measurement method

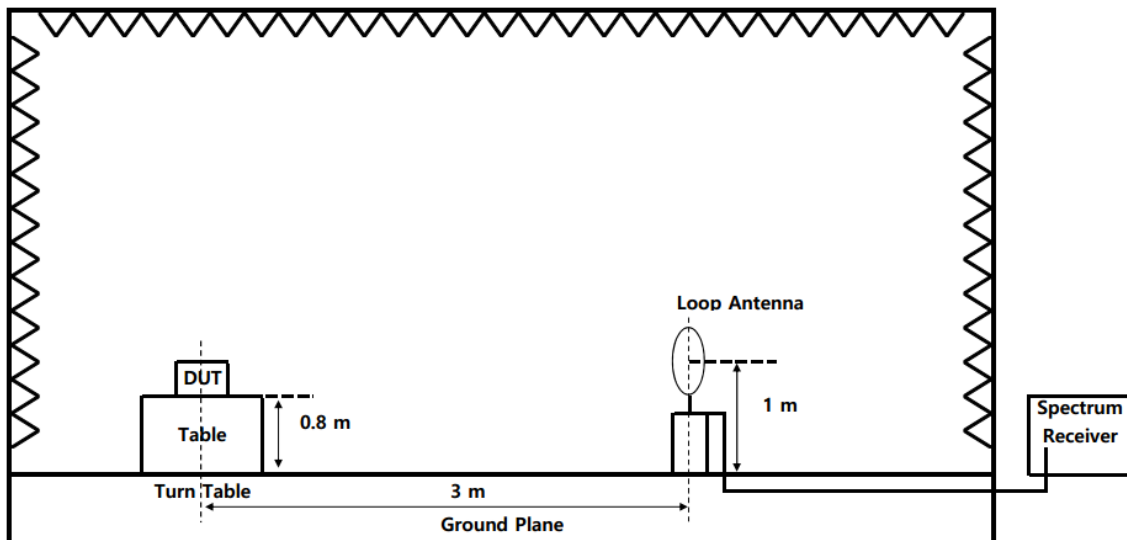
Standard : §15.247 (d), §15.209, §15.205

9.3 Test setup

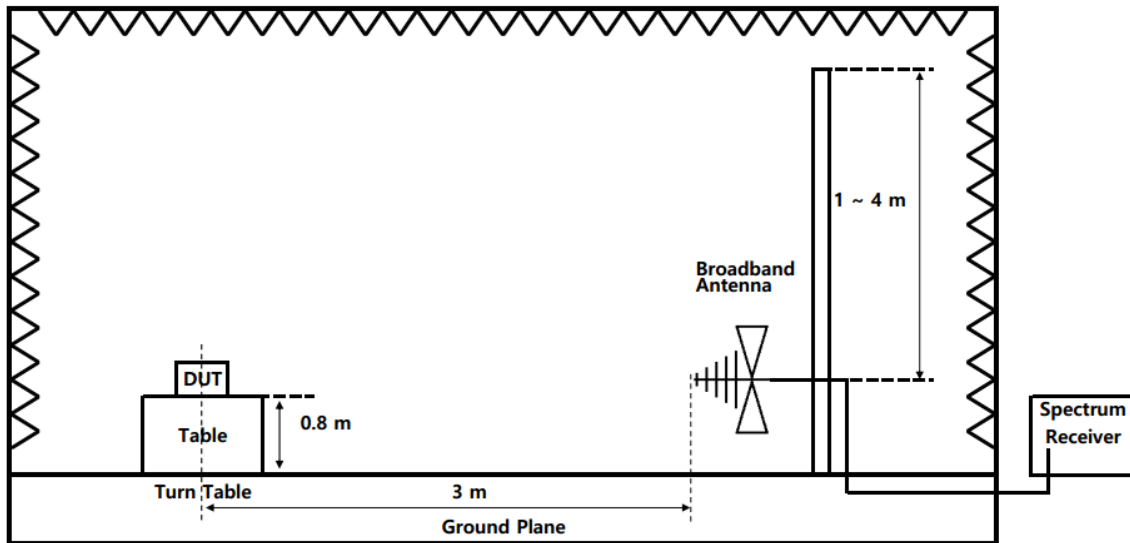
The radiated emissions measurements were performed on the 3 m, Semi-Anechoic Chamber. The EUT was placed on a non-conductive turntable above the ground plane.

The frequency spectrum from 9 kHz to 26.5 GHz was scanned and maximum emission levels at each frequency recorded. The system was rotated 360°, and the antenna was varied in the height between 1.0 m and 4.0 m in order to determine the maximum emission levels. This procedure was performed for horizontal and vertical polarization of the receiving antenna.

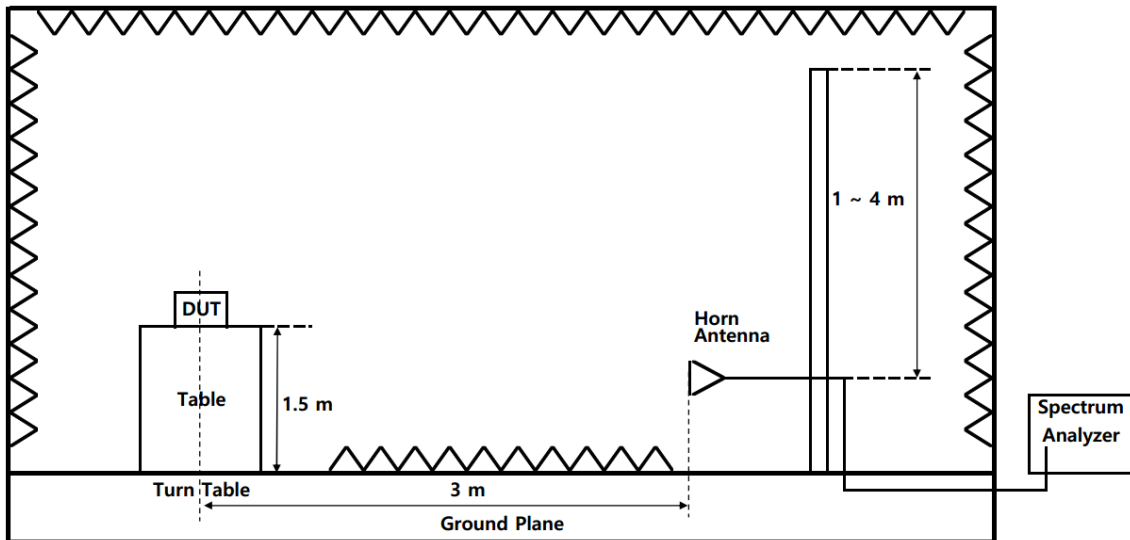
9.3.1 Below 30 MHz



9.3.2 30 MHz to 1 GHz



9.3.3 Above 1 GHz



**9.4 Test data**

Operating mode : Transmit mode

Test Result : Pass

9.4.1 Test data for Restricted band**9.4.1.1 Bluetooth LE**

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
2 336.168	51.88	Peak	V	-10.30	41.58	73.98	32.40
2 316.984	38.40	Average	V		28.10	53.98	25.88
High CH							
2 493.286	47.08	Peak	V	-9.70	37.38	73.98	36.60
2 493.194	33.13	Average	V		23.43	53.98	30.55

9.4.1.2 2.4 GHz WLAN (802.11n(HT20))

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
2 389.696	64.16	Peak	H	-10.10	54.06	73.98	19.92
	44.25	Average	H		34.15	53.98	19.83
High CH							
2 484.453	80.21	Peak	H	-9.70	70.51	73.98	3.47
	61.19	Average	H		51.49	53.98	2.49

**9.4.1.3 2.4 GHz WLAN (802.11n(HT40))**

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
2 389.128	78.67	Peak	H	-10.10	68.57	73.98	5.41
	61.35	Average	H		51.25	53.98	2.73
High CH							
2 484.304	79.55	Peak	H	-9.70	69.85	73.98	4.13
	61.52	Average	H		51.82	53.98	2.16

※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin = Limit - Result

9.4.2 Test data for Spurious & Harmonic**9.4.2.1 Measurement Results for below 30 MHz**

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
It was not found any emissions peaks found from the EUT.							
Mid CH							
It was not found any emissions peaks found from the EUT.							
High CH							
It was not found any emissions peaks found from the EUT.							

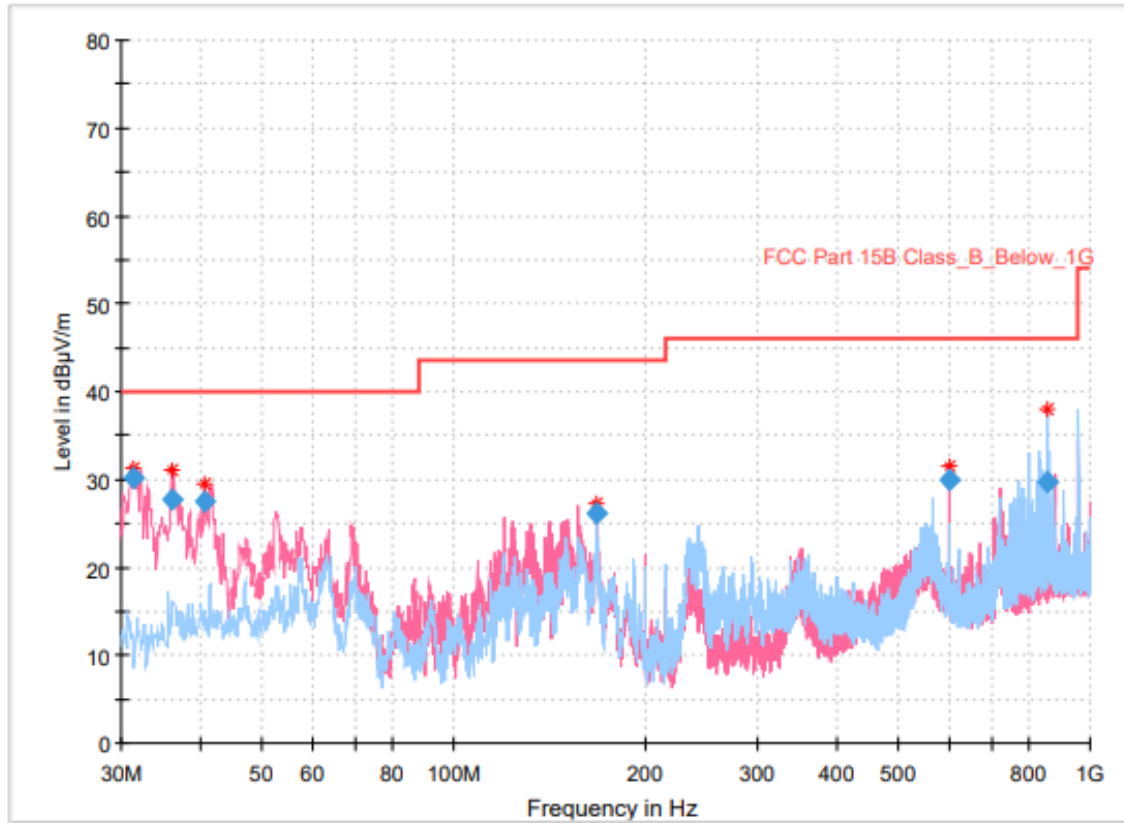
※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin = Limit – Result

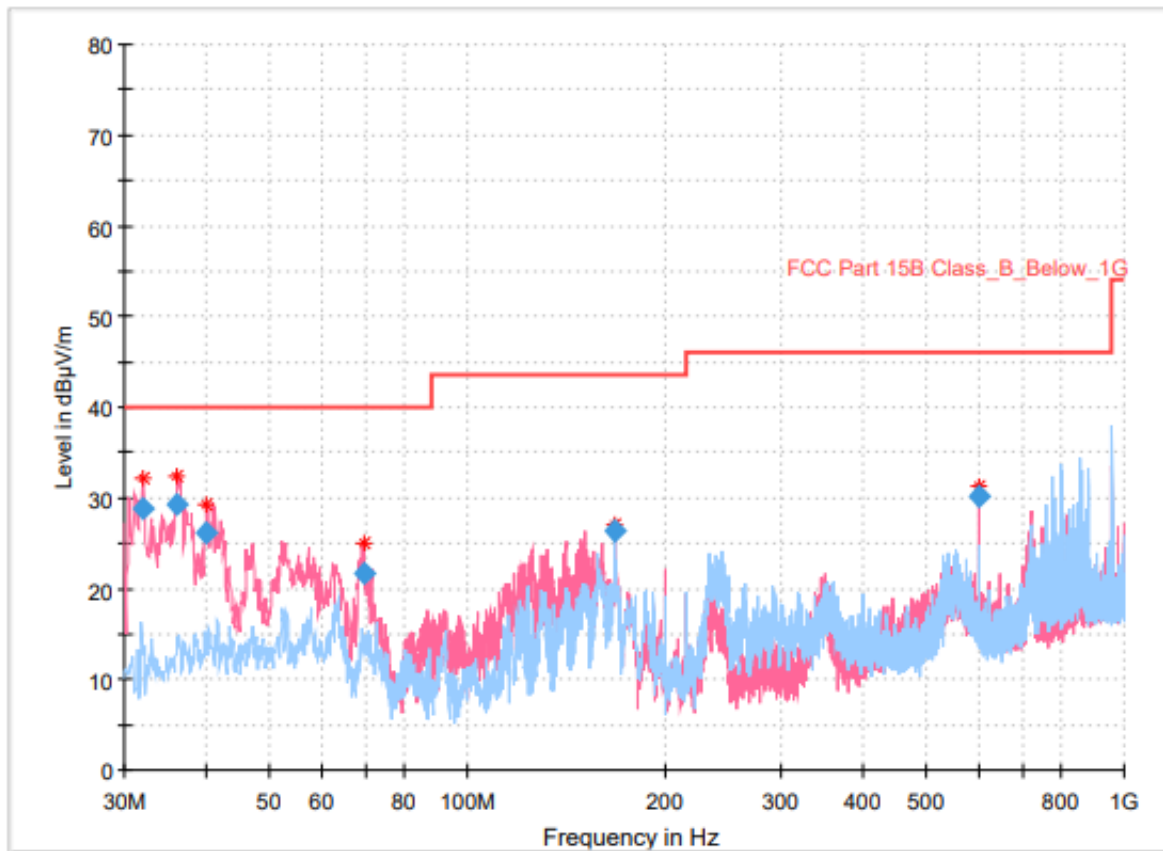
9.4.2.2 Measurement Results for below 1 GHz Bluetooth LE



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.358000	30.21	40.00	9.79	1000.0	120.000	100.0	V	316.0	-27.0
36.014000	27.75	40.00	12.25	1000.0	120.000	100.0	V	189.0	-25.8
40.670000	27.41	40.00	12.60	1000.0	120.000	100.0	V	271.0	-24.0
168.031000	26.23	43.50	17.27	1000.0	120.000	200.0	H	195.0	-27.5
600.069000	29.86	46.00	16.14	1000.0	120.000	100.0	V	37.0	-14.5
856.149000	29.62	46.00	16.38	1000.0	120.000	100.0	H	151.0	-10.6

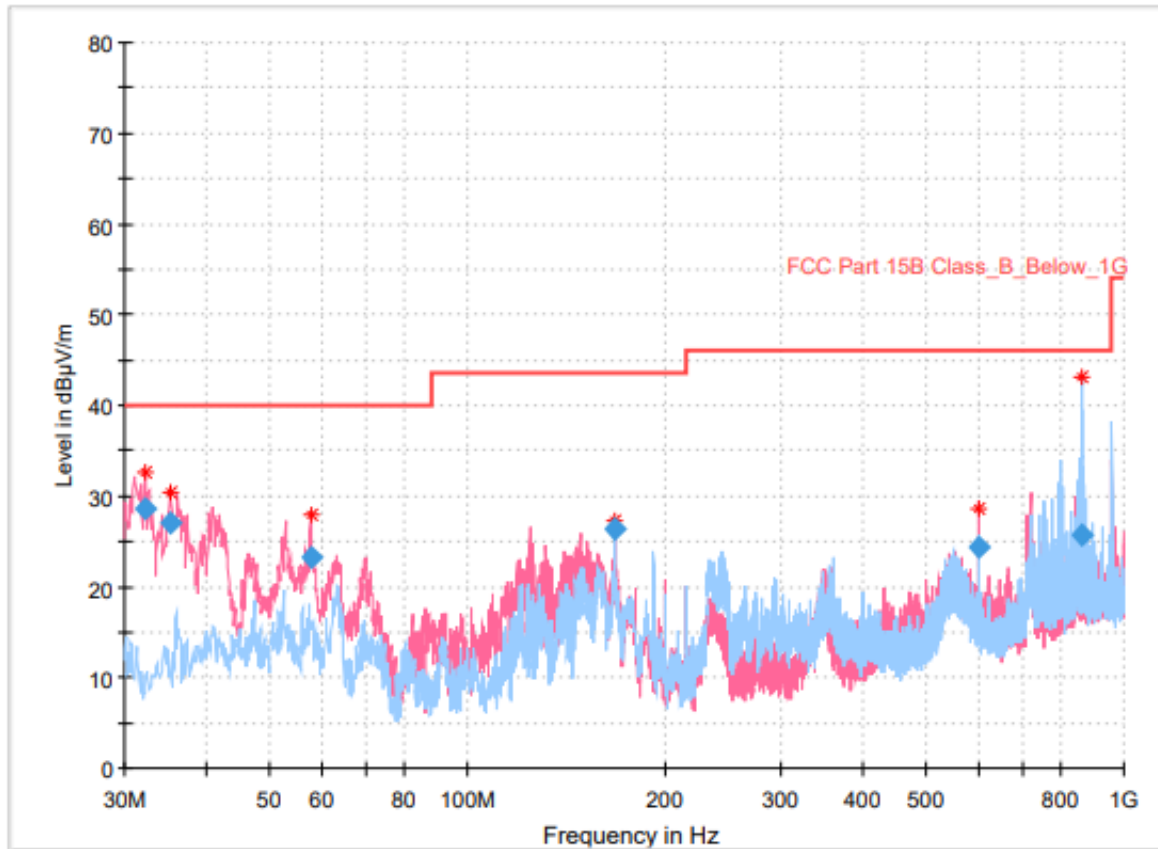
Low CH



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.037000	28.88	40.00	11.12	1000.0	120.000	100.0	V	0.0	-27.1
36.208000	29.36	40.00	10.64	1000.0	120.000	100.0	V	322.0	-25.7
40.088000	26.08	40.00	13.92	1000.0	120.000	100.0	V	297.0	-24.2
69.479000	21.72	40.00	18.28	1000.0	120.000	100.0	V	99.0	-27.1
168.031000	26.46	43.50	17.04	1000.0	120.000	100.0	V	66.0	-27.5
600.069000	30.27	46.00	15.73	1000.0	120.000	100.0	V	23.0	-14.5

Mid CH

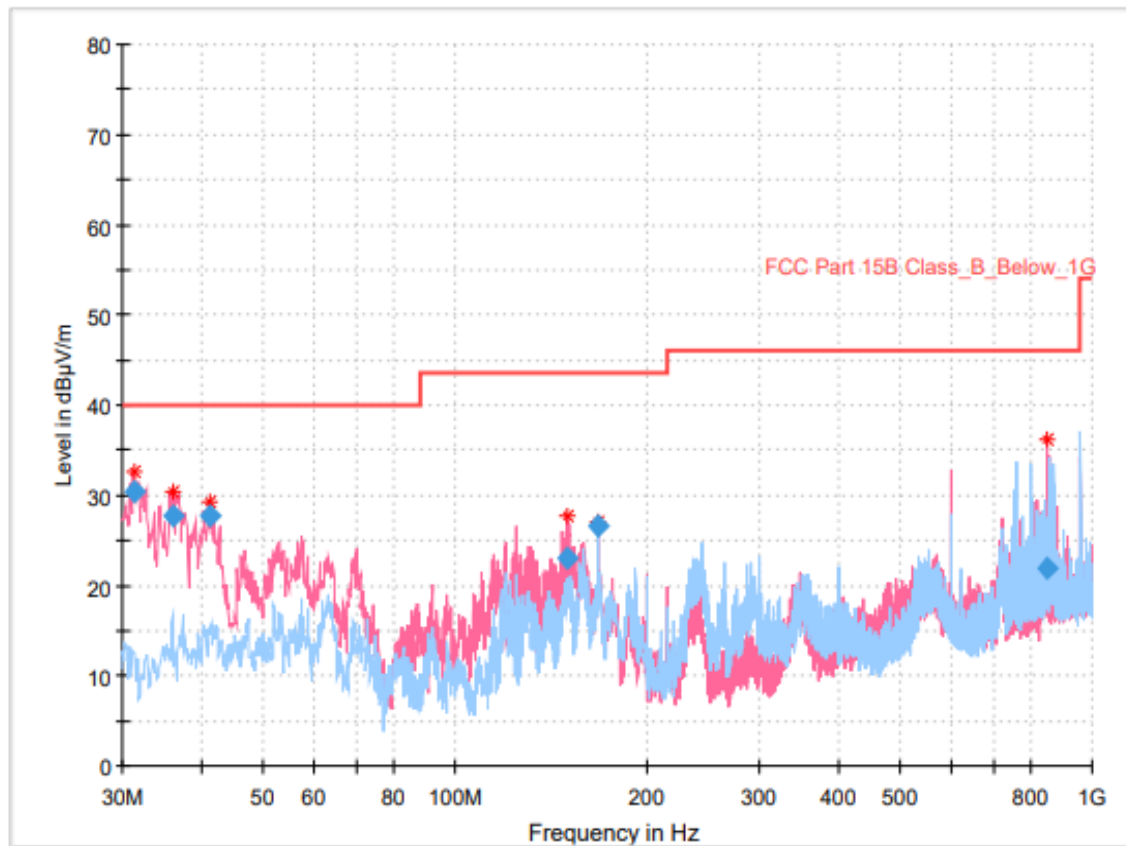


Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
32.231000	28.51	40.00	11.49	1000.0	120.000	100.0	V	214.0	-27.0
35.238000	27.10	40.00	12.90	1000.0	120.000	100.0	V	258.0	-26.1
57.742000	23.28	40.00	16.72	1000.0	120.000	100.0	V	159.0	-23.8
168.031000	26.47	43.50	17.03	1000.0	120.000	100.0	V	159.0	-27.5
599.972000	24.27	46.00	21.73	1000.0	120.000	100.0	V	214.0	-14.5
861.096000	25.70	46.00	20.30	1000.0	120.000	200.0	H	0.0	-10.4

High CH

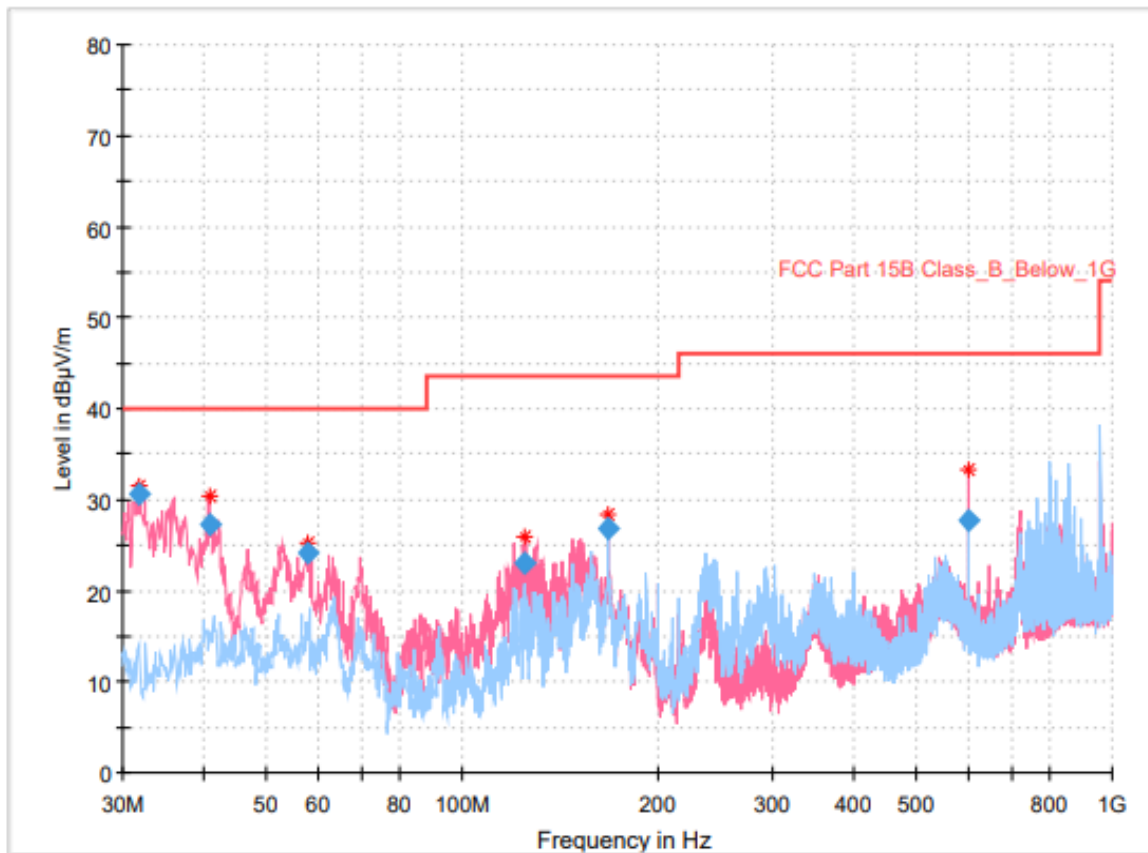
9.4.2.3 Measurement Results for below 1 GHz_2.4 GHz WLAN (802.11n(HT20))



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.261000	30.46	40.00	9.54	1000.0	120.000	99.9	V	259.0	-26.9
36.014000	27.67	40.00	12.33	1000.0	120.000	99.9	V	181.0	-25.8
41.349000	27.76	40.00	12.24	1000.0	120.000	99.9	V	325.0	-23.9
150.183000	23.04	43.50	20.46	1000.0	120.000	99.9	V	325.0	-28.3
168.031000	26.57	43.50	16.93	1000.0	120.000	99.9	V	59.0	-27.5
847.904000	21.87	46.00	24.13	1000.0	120.000	99.9	V	248.0	-10.8

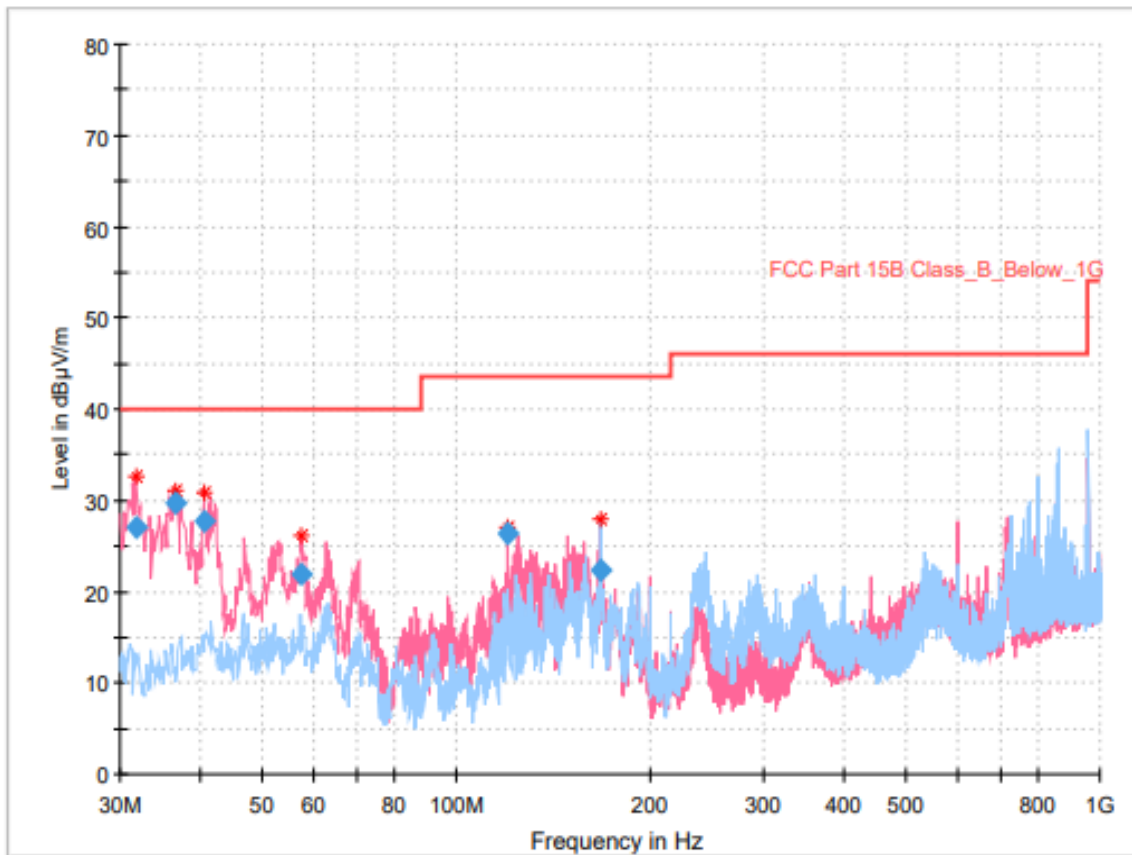
Low CH



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.746000	30.62	40.00	9.38	1000.0	120.000	99.9	V	265.0	-27.0
40.767000	27.33	40.00	12.67	1000.0	120.000	99.9	V	243.0	-24.0
57.742000	24.03	40.00	15.97	1000.0	120.000	99.9	V	55.0	-23.8
125.157000	23.00	43.50	20.50	1000.0	120.000	99.9	V	0.0	-27.3
168.031000	26.80	43.50	16.70	1000.0	120.000	99.9	V	265.0	-27.5
600.069000	27.62	46.00	18.38	1000.0	120.000	99.9	V	44.0	-14.5

Mid CH

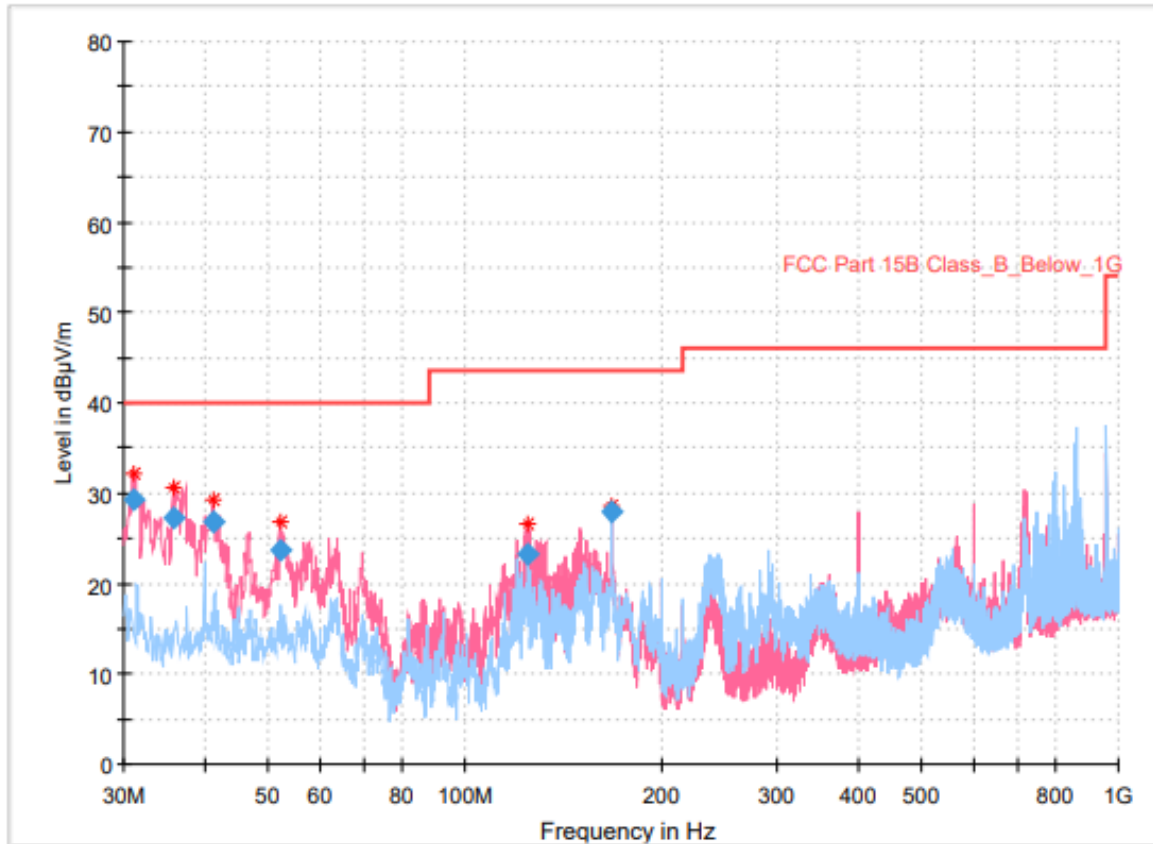


Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.746000	27.12	40.00	12.88	1000.0	120.000	200.0	V	329.0	-27.0
36.596000	29.71	40.00	10.29	1000.0	120.000	99.8	V	307.0	-25.6
40.573000	27.64	40.00	12.36	1000.0	120.000	99.8	V	296.0	-24.0
57.451000	21.94	40.00	18.06	1000.0	120.000	99.8	V	130.0	-23.7
120.016000	26.36	43.50	17.14	1000.0	120.000	99.8	V	54.0	-26.6
167.934000	22.39	43.50	21.11	1000.0	120.000	200.0	H	0.0	-27.5

High CH

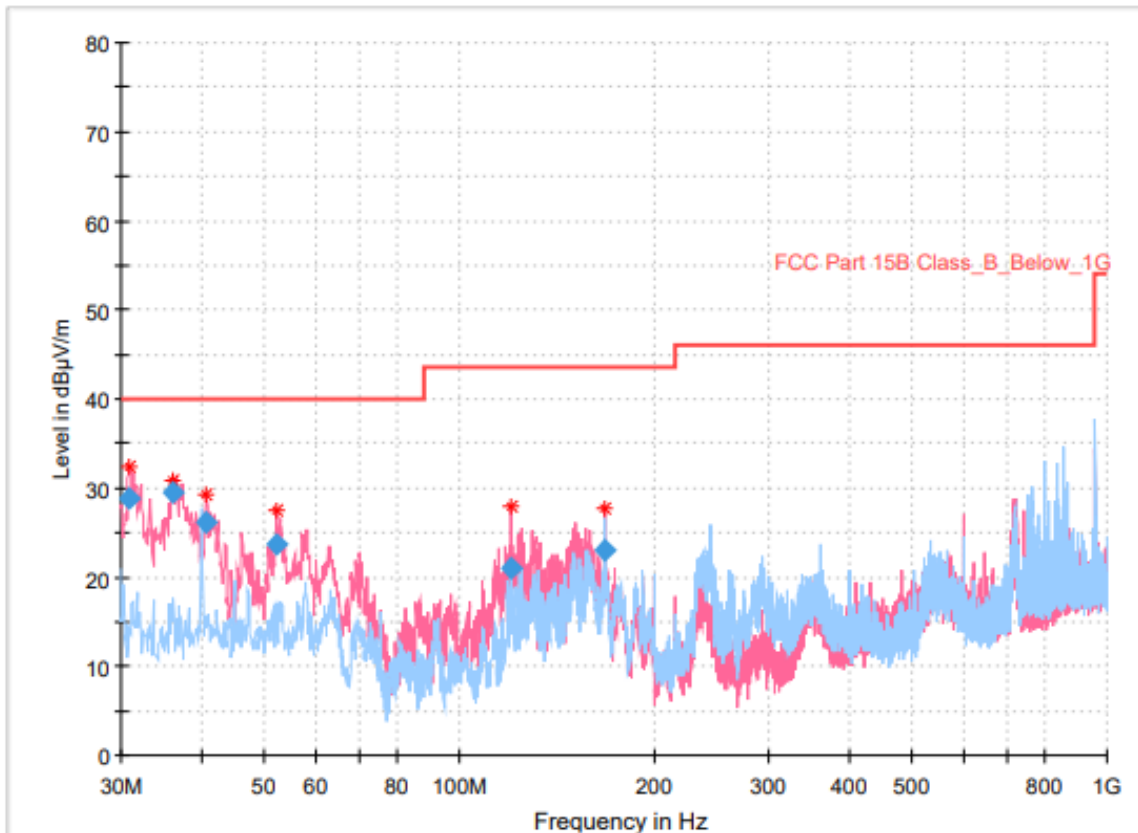
9.4.2.4 Measurement Results for below 1 GHz_2.4 GHz WLAN (802.11n(HT40))



Final Result

Frequency (MHz)	QuasiPeak (dBμV/m)	Limit (dBμV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.067000	29.30	40.00	10.70	1000.0	120.000	100.0	V	299.0	-26.9
35.723000	27.23	40.00	12.77	1000.0	120.000	100.0	V	212.0	-25.9
41.058000	26.75	40.00	13.25	1000.0	120.000	100.0	V	0.0	-23.9
52.019000	23.61	40.00	16.39	1000.0	120.000	100.0	V	51.0	-23.1
124.866000	23.30	43.50	20.20	1000.0	120.000	100.0	V	310.0	-27.3
168.031000	27.85	43.50	15.65	1000.0	120.000	100.0	V	321.0	-27.5

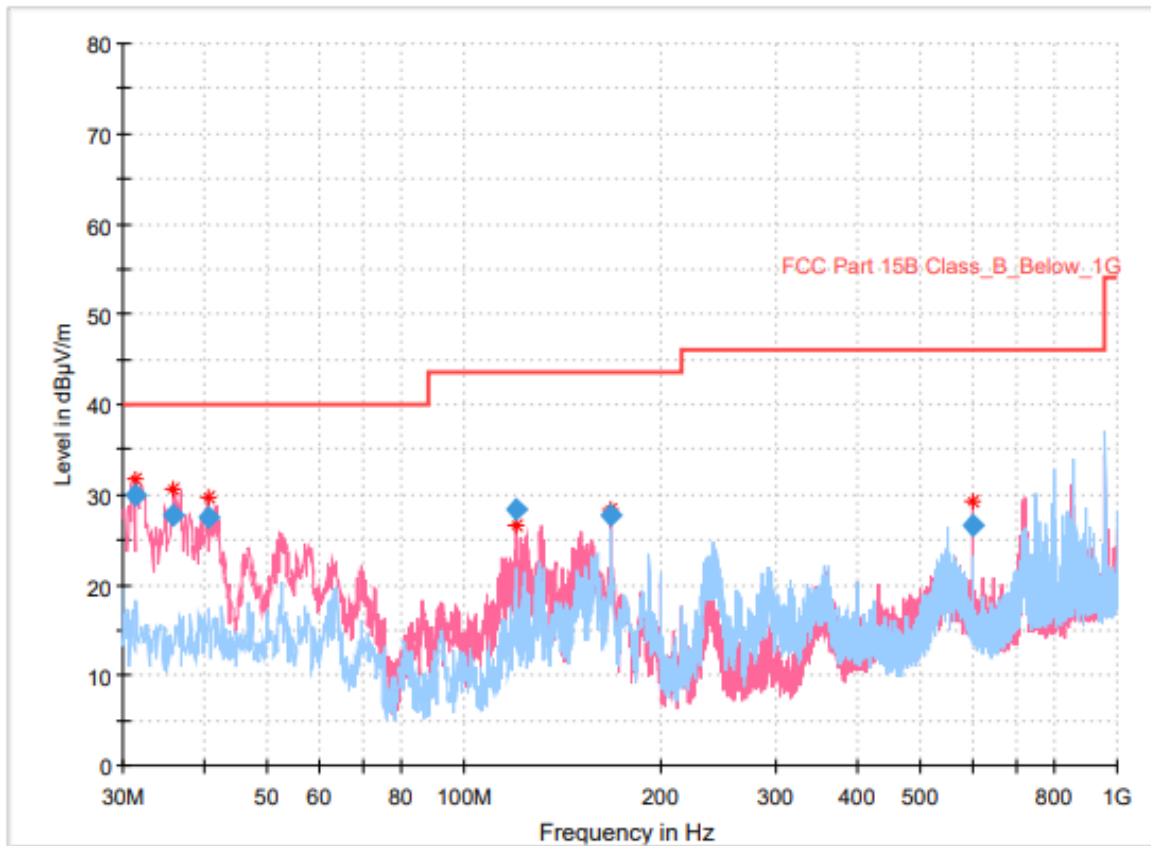
Low CH



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.970000	28.79	40.00	11.21	1000.0	120.000	99.9	V	251.0	-26.9
36.208000	29.47	40.00	10.53	1000.0	120.000	99.9	V	310.0	-25.7
40.670000	26.24	40.00	13.76	1000.0	120.000	99.9	V	0.0	-24.0
52.116000	23.59	40.00	16.41	1000.0	120.000	99.9	V	10.0	-23.1
119.919000	20.97	43.50	22.53	1000.0	120.000	99.9	V	297.0	-26.6
167.934000	22.96	43.50	20.54	1000.0	120.000	99.9	V	135.0	-27.5

Mid CH



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.455000	29.94	40.00	10.06	1000.0	120.000	100.1	V	321.0	-27.0
35.820000	27.74	40.00	12.26	1000.0	120.000	100.1	V	0.0	-25.8
40.476000	27.47	40.00	12.53	1000.0	120.000	100.1	V	299.0	-24.1
120.016000	28.37	43.50	15.13	1000.0	120.000	100.1	V	34.0	-26.6
168.031000	27.78	43.50	15.72	1000.0	120.000	100.1	V	133.0	-27.5
600.069000	26.69	46.00	19.31	1000.0	120.000	100.1	V	0.0	-14.5

High CH



9.4.2.5 Measurement Results for Above 1 GHz Bluetooth LE

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
4 804.600	55.45	Peak	H	-1.00	54.45	73.98	19.53
	44.06	Average	H		43.06	53.98	10.92
7 205.000	47.41	Peak	H	3.30	50.71	73.98	23.27
	34.88	Average	H		38.18	53.98	15.80
Mid CH							
4 879.400	54.64	Peak	H	-1.00	53.64	73.98	20.34
	43.60	Average	H		42.60	53.98	11.38
7 318.900	42.99	Peak	H	3.00	45.99	73.98	27.99
	29.90	Average	H		32.90	53.98	21.08
High CH							
4 959.300	57.29	Peak	H	-1.00	56.29	73.98	17.69
	46.28	Average	H		45.28	53.98	8.70
7 439.600	54.02	Peak	H	2.80	56.82	73.98	17.16
	43.68	Average	H		46.48	53.98	7.50



9.4.2.6 Measurement Results for Above 1 GHz_2.4 GHz WLAN (802.11n(HT20))

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
4 813.100	41.41	Peak	V	-0.90	40.51	73.98	33.47
	27.67	Average	V		26.77	53.98	27.21
7 237.300	44.91	Peak	V	3.60	48.51	73.98	25.47
	30.52	Average	V		34.12	53.98	19.86
Mid CH							
4 881.100	41.58	Peak	H	-1.00	40.58	73.98	33.40
	27.96	Average	H		26.96	53.98	27.02
7 330.800	43.12	Peak	H	3.00	46.12	73.98	27.86
	28.27	Average	H		31.27	53.98	22.71
High CH							
4 954.200	40.84	Peak	H	-1.00	39.84	73.98	34.14
	27.54	Average	H		26.54	53.98	27.44
7 412.400	46.24	Peak	H	2.90	49.14	73.98	24.84
	31.27	Average	H		34.17	53.98	19.81



9.4.2.7 Measurement Results for Above 1 GHz_2.4 GHz WLAN (802.11n(HT40))

Frequency (MHz)	Reading (dBμV)	Detector	Ant. Pol. (H/V)	Corr. Factor (dB)	Result (dBμV/m)	Limit (dBμV/m)	Margin (dB)
Low CH							
4 831.800	41.32	Peak	H	-0.80	40.52	73.98	33.46
	27.57	Average	H		26.77	53.98	27.21
7 261.100	38.38	Peak	V	3.50	41.88	73.98	32.10
	24.89	Average	V		28.39	53.98	25.59
Mid CH							
4 889.600	41.33	Peak	H	-1.00	40.33	73.98	33.65
	27.98	Average	H		26.98	53.98	27.00
7 337.600	42.80	Peak	H	3.00	45.80	73.98	28.18
	28.99	Average	H		31.99	53.98	21.99
High CH							
4 937.200	41.11	Peak	H	-1.00	40.11	73.98	33.87
	27.70	Average	H		26.70	53.98	27.28
7 378.400	46.97	Peak	H	3.00	49.97	73.98	24.01
	32.74	Average	H		35.74	53.98	18.24

※ Ant. Pol. : Antenna Polarization

※ Corr. Factor. : Antenna Factor + Cable Loss - Amplifier Gain

※ Result = Reading + Corr. Factor

※ Margin = Limit – Result

- END -