

TEST REPORT

Product : Single mode Bluetooth(5.0) Module
Trade mark : Richmat
Model/Type reference : HJ8258
Serial Model : /
Report Number : EED39N80872501
FCC ID : 2AJJGHJ8258
Date of Issue : October 20, 2021

Test Standards	Result
☒ 47 CFR Part 15 Subpart C	PASS

Prepared for:

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NO. 78 Kongquehe 4th Road Qingdao Clothing Industry park Jimo,
Qingdao, Shandong Province 266000, China

Prepared by:

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检验检测专用章
Inspection & Testing Services

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Date:

October 20, 2021

Check No.: 4729140921

Modification Record

No.	Last Report No.	Modification Description
1	EED39N80872501	First report

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1. Test Summary

Test item	Test Requirement	Test method	Result
Antenna Requirement*	47 CFR Part 15Subpart C Section 15.203/15.247 (c)	ANSI C63.10-2013	PASS
AC Power Line Conducted Emission*	47 CFR Part 15Subpart C Section 15.207	ANSI C63.10-2013	N/A
Maximum conducted output power*	47 CFR Part 15Subpart C Section 15.247 (b)(3)	ANSI C63.10-2013	PASS
DTS Bandwidth*	47 CFR Part 15Subpart C Section 15.247 (a)(2)	ANSI C63.10-2013	PASS
Maximum Power Spectral Density*	47 CFR Part 15Subpart C Section 15.247 (e)	ANSI C63.10-2013	PASS
Band-edge for RF Conducted Emissions*	47 CFR Part 15Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
RF Conducted Spurious Emissions*	47 CFR Part 15Subpart C Section 15.247(d)	ANSI C63.10-2013	PASS
Radiated Spurious Emissions	47 CFR Part 15Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS
Restricted bands around fundamental frequency (Radiated Emission)	47 CFR Part 15Subpart C Section 15.205/15.209	ANSI C63.10-2013	PASS

Remark:

1. The product is supplied by DC power.
2. Test according to ANSI C63.4-2014 & ANSI C63.10-2013.
3. Company Name and Address shown on Report, the sample(s) and sample Information was/ were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
4. " * " Detailed test results, please reference reported EED32M00310701

2. Test Requirement

2.1. Test Environment

Operating Environment:	
Temperature:	26.0 °C
Humidity:	55.9 % RH
Atmospheric Pressure:	1017mbar

2.2. Test Condition

Test channel:

Test Mode	Tx/Rx	RF Channel		
		Low(L)	Middle(M)	High(H)
GFSK	2402MHz ~2480 MHz	Channel 1	Channel 20	Channel 40
		2402MHz	2440MHz	2480MHz
Transmitting mode:	Keep the EUT in transmitting mode with all kind of modulation and all kind of data rate.			

3. General Information

3.1. Client Information

Applicant:	Qingdao Richmat Intelligence Technology Inc
Address of Applicant:	NO. 78 Kongquehe 4th Road Qingdao Clothing Industry park Jimo, Qingdao, Shandong Province 266000, China
Manufacturer:	Qingdao Richmat Intelligence Technology Inc
Address of Manufacturer:	NO. 78 Kongquehe 4th Road Qingdao Clothing Industry park Jimo, Qingdao, Shandong Province 266000, China
Factory:	Qingdao Richmat Intelligence Technology Inc
Address of Factory:	NO. 78 Kongquehe 4th Road Qingdao Clothing Industry park Jimo, Qingdao, Shandong Province 266000, China

3.2. General Description of EUT

Product Name:	Single mode Bluetooth(5.0) Module
Model No.(EUT)*:	HJ8258
Trade Mark:	Richmat
EUT Supports Radios application:	Bluetooth V5.0 BLE
Power Supply:	Model No: ZB-H290020-B Input: AC100-240V 1.6A, 50/60Hz Output: DC 29.0V 2.0A 58W
Sample Received Date:	Sep 09, 2021
Sample Tested Date:	Sep 26, 2021 to Oct 9, 2021

3.3. Product Specification subjective to this standard

Operation Frequency:	2402MHz~2480MHz
Bluetooth Version:	BLE 5.0
Modulation Type:	GFSK
Number of Channel:	40
Sample Type:	Mobile production
Test Software of EUT:	EMI Tool (manufacturer declare)
Antenna Type:	PCB Antenna

Report No. : EED39N80872501

Antenna Gain ^① :	5.3dBi
Test Voltage:	AC 120V/60Hz

Note: 1 The antenna gain is provided by the client and we Centre Testing International (Suzhou) CO., LTD. test lab is not responsible for the accuracy of the antenna gain information.

Operation Frequency each of channel							
Channel	Frequency	Channel	Frequency	Channel	Frequency	Channel	Frequency
1	2402MHz	11	2422MHz	21	2442MHz	31	2462MHz
2	2404MHz	12	2424MHz	22	2444MHz	32	2464MHz
3	2406MHz	13	2426MHz	23	2446MHz	33	2466MHz
4	2408MHz	14	2428MHz	24	2448MHz	34	2468MHz
5	2410MHz	15	2430MHz	25	2450MHz	35	2470MHz
6	2412MHz	16	2432MHz	26	2452MHz	36	2472MHz
7	2414MHz	17	2434MHz	27	2454MHz	37	2474MHz
8	2416MHz	18	2436MHz	28	2456MHz	38	2476MHz
9	2418MHz	19	2438MHz	29	2458MHz	39	2478MHz
10	2420MHz	20	2440MHz	30	2460MHz	40	2480MHz

3.4. Tested System Details

Product	Manufacturer	Model No.
Control Box	Richmat	Model Name.: HJC25C/HJC52 Ble/HJC53 Ble/HJC56 Ble

3.5. Description of Support Units

The EUT has been tested with associated equipment below.

1) support equipment

Description	Manufacturer	Model No.	Certification	Supplied by
NB	ThinkPad	E490	FCC ID and DOC	CTI

3.6. Test Location

All test facilities used to collect the test data are located at Building 18, Zhihui New Town Ecological Industrial Park, No. 1206, Jinyang East Road, Lujia Town, Kunshan, Jiangsu, China.

3.7. Test Facility

The test facility is recognized, certified, or accredited by the following organizations:

A2LA-Lab Cert. No. 5734.01

Centre Testing International (Suzhou) CO., LTD. EMC Laboratory has been accredited by A2LA for technical competence in the field of electrical testing, and proved to be in compliance with ISO/IEC 17025: 2005 General Requirements for the Competence of Testing and Calibration. Laboratories and any additional program requirements in the identified field of testing.

FCC-Designation No.:CN1290

Centre Testing International Group Co., Ltd EMC Laboratory has been registered and fully described in a report filed with the FCC (Federal Communications Commission). The American association for Centre Testing International Group Co., Ltd. EMC laboratory accreditation Designation No.:CN1290

3.8. Deviation from Standards

None.

3.9. Abnormalities from Standard Conditions

None.

3.10. Other Information Requested by the Customer

None.

3.11. Measurement Uncertainty (95% confidence levels, k=2)

No.	Item	Measurement Uncertainty
1	Occupied Bandwidth	0.56%
2	RF Power conducted	0.59 dB
3	Power Spectral Density, conducted	2.37 dB
4	Unwanted Emission, conducted	2.68 dB
5	All Emission, radiated	4.41 dB(30MHz-1GHz)
		4.99 dB(1GHz-18GHz)
		5.307 dB(18GHz-40GHz)
6	Temperature test	0.54°C
7	Humidity test	1.62%
8	DC and low frequency voltages test	1.14%

4. Equipment List

966 Semi-anechoic Chamber					
Equipment	Manufacturer	Mode No.	Serial Number	Cal. Date (yyyy-mm-dd)	Cal. Due date (yyyy-mm-dd)
Receiver	R&S	ESU8	100537	2020-12-10	2021-12-09
Spectrum analyzer	R&S	FSV40	101185	2020-12-10	2021-12-09
Preamplifier (30MHz~1GHz)	SONOMA	317	393347	2020-12-04	2021-12-03
Preamplifier (1GHz~18GHz)	R&S	SCU-18D	1987397	2020-12-10	2021-12-09
Preamplifier (18GHz~40GHz)	/	MTLNA1804003 0235	12009007	2020-10-23	2021-10-22
Loop Antenna (9kHz~30MHz)	TESEQ	HLA6121	54575	2021-02-27	2022-02-26
Antenna (30MHz~1GHz)	SCHWARZBEC K	VULB9163	9163-965	2020-10-16	2021-10-15
Antenna (1GHz~18GHz)	R&S	HF907	102524	2020-12-15	2021-12-14
Antenna (18GHz~40GHz)	R&S	BBHA9170	1032	2020-10-23	2021-10-22
Band rejection filter	Xi'an xingbo	XBLBQ-DZA81	200827-1-02	/	/

5. Radio Technical Requirements Specification

5.1. Reference Documents for Testing

No.	Identity	Document Title
1	FCC Part15C	Subpart C-Intentional Radiators
2	ANSI C63.10-2013	American National Standard for Testing Unlicensed Wireless Devices

5.2. Test Results List

Test requirement	Test method	Test item	Verdict	Note
Part15C Section 15.205/15.209	ANSI C63.10 Section 6.10.5	Restricted bands around fundamental frequency (Radiated Emission)	PASS	Appendix A)
Part15C Section 15.205/15.209	ANSI C63.10 Section 6.4,6.5,6.6	Radiated Spurious Emissions	PASS	Appendix B)

Appendix A): Restricted bands around fundamental frequency (Radiated)

Receiver Setup:	<table><tr><td>Frequency</td><td>Detector</td><td>RBW</td><td>VBW</td><td>Remark</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300kHz</td><td>Quasi-peak</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr><tr><td>Peak</td><td>1MHz</td><td>1/T</td><td>Average</td></tr></table>	Frequency	Detector	RBW	VBW	Remark	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	Above 1GHz	Peak	1MHz	3MHz	Peak	Peak	1MHz	1/T	Average	
Frequency	Detector	RBW	VBW	Remark																	
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																	
Above 1GHz	Peak	1MHz	3MHz	Peak																	
	Peak	1MHz	1/T	Average																	
Test Procedure:	Below 1GHz test procedure as below: a. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. b. The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. c. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. d. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. e. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. f. Place a marker at the end of the restricted band closest to the transmit frequency to show compliance. Also measure any emissions in the restricted bands. Save the spectrum analyzer plot. Repeat for each power and modulation for lowest and highest channel Above 1GHz test procedure as below: a. Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber change form table 0.8 meter to 1.5 meter(Above 18GHz the distance is 1 meter and table is 1.5 meter). b. Test the EUT in the lowest channel , the Highest channel c. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. d. Repeat above procedures until all frequencies measured was complete.																				
Limit:	<table><tr><td>Frequency</td><td>Limit (dBμV/m @3m)</td><td>Remark</td></tr><tr><td>30MHz-88MHz</td><td>40.0</td><td>Quasi-peak Value</td></tr><tr><td>88MHz-216MHz</td><td>43.5</td><td>Quasi-peak Value</td></tr><tr><td>216MHz-960MHz</td><td>46.0</td><td>Quasi-peak Value</td></tr><tr><td>960MHz-1GHz</td><td>54.0</td><td>Quasi-peak Value</td></tr><tr><td rowspan="2">Above 1GHz</td><td>54.0</td><td>Average Value</td></tr><tr><td>74.0</td><td>Peak Value</td></tr></table>	Frequency	Limit (dBμV/m @3m)	Remark	30MHz-88MHz	40.0	Quasi-peak Value	88MHz-216MHz	43.5	Quasi-peak Value	216MHz-960MHz	46.0	Quasi-peak Value	960MHz-1GHz	54.0	Quasi-peak Value	Above 1GHz	54.0	Average Value	74.0	Peak Value
Frequency	Limit (dBμV/m @3m)	Remark																			
30MHz-88MHz	40.0	Quasi-peak Value																			
88MHz-216MHz	43.5	Quasi-peak Value																			
216MHz-960MHz	46.0	Quasi-peak Value																			
960MHz-1GHz	54.0	Quasi-peak Value																			
Above 1GHz	54.0	Average Value																			
	74.0	Peak Value																			

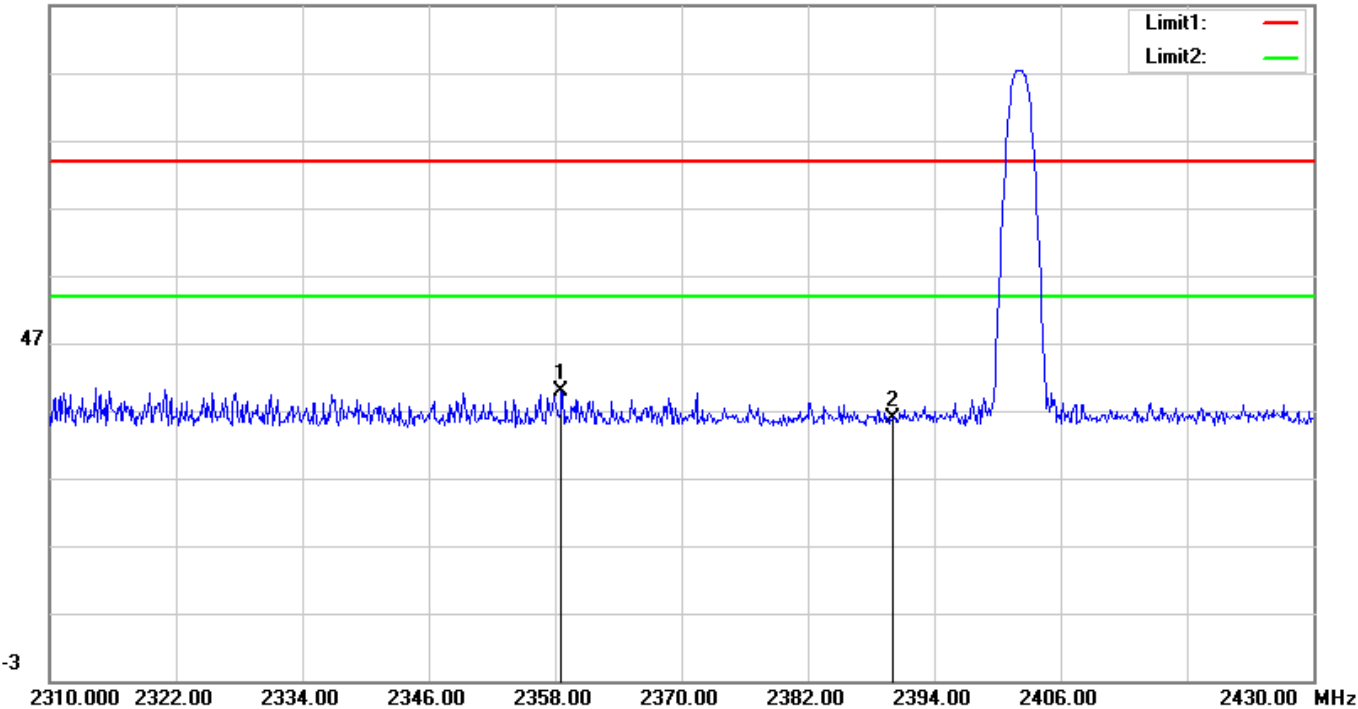
Report No. : EED39N80872501

Test plot as follows:

Mode:	BLE_1M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC56 Ble

Test Graph

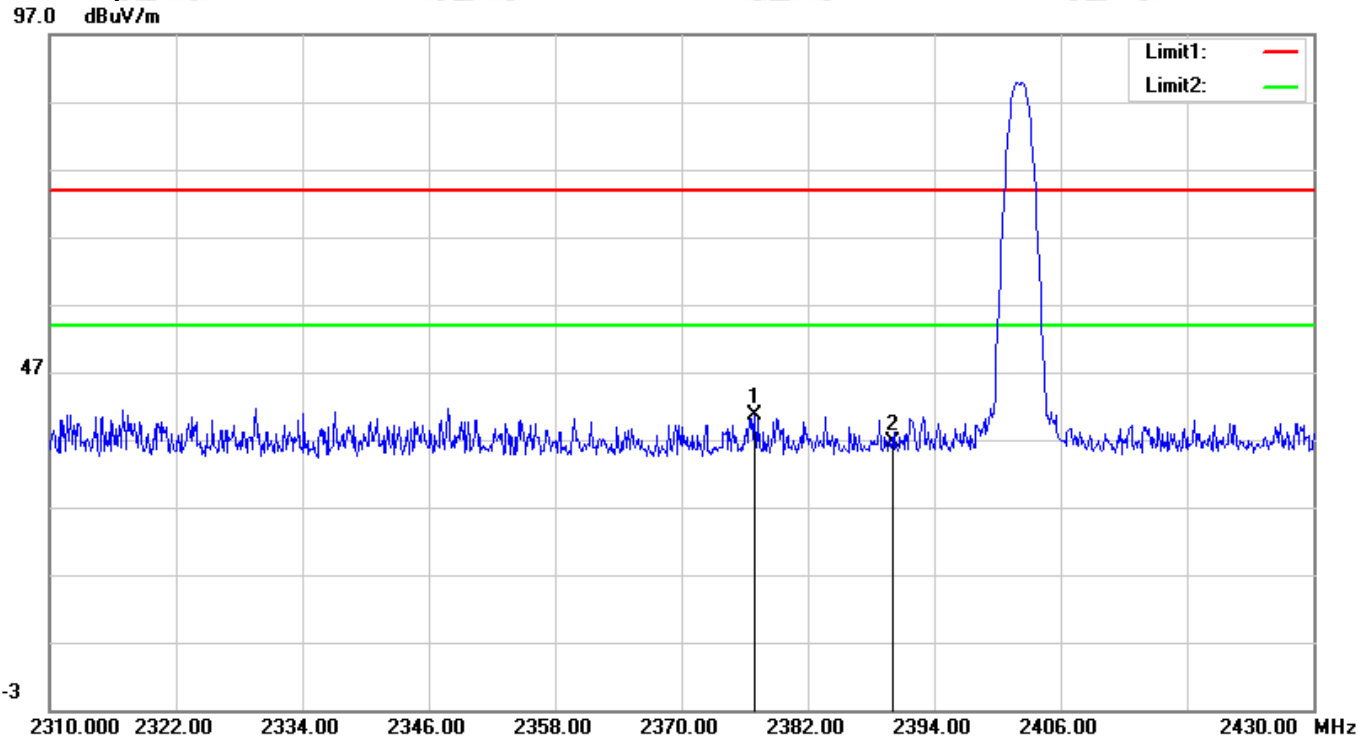
97.0 dBuV/m



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2358.600	37.36	2.63	39.99	74.00	-34.01	100	185	peak
2	2390.000	33.13	2.71	35.84	74.00	-38.16	100	293	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC56 Ble

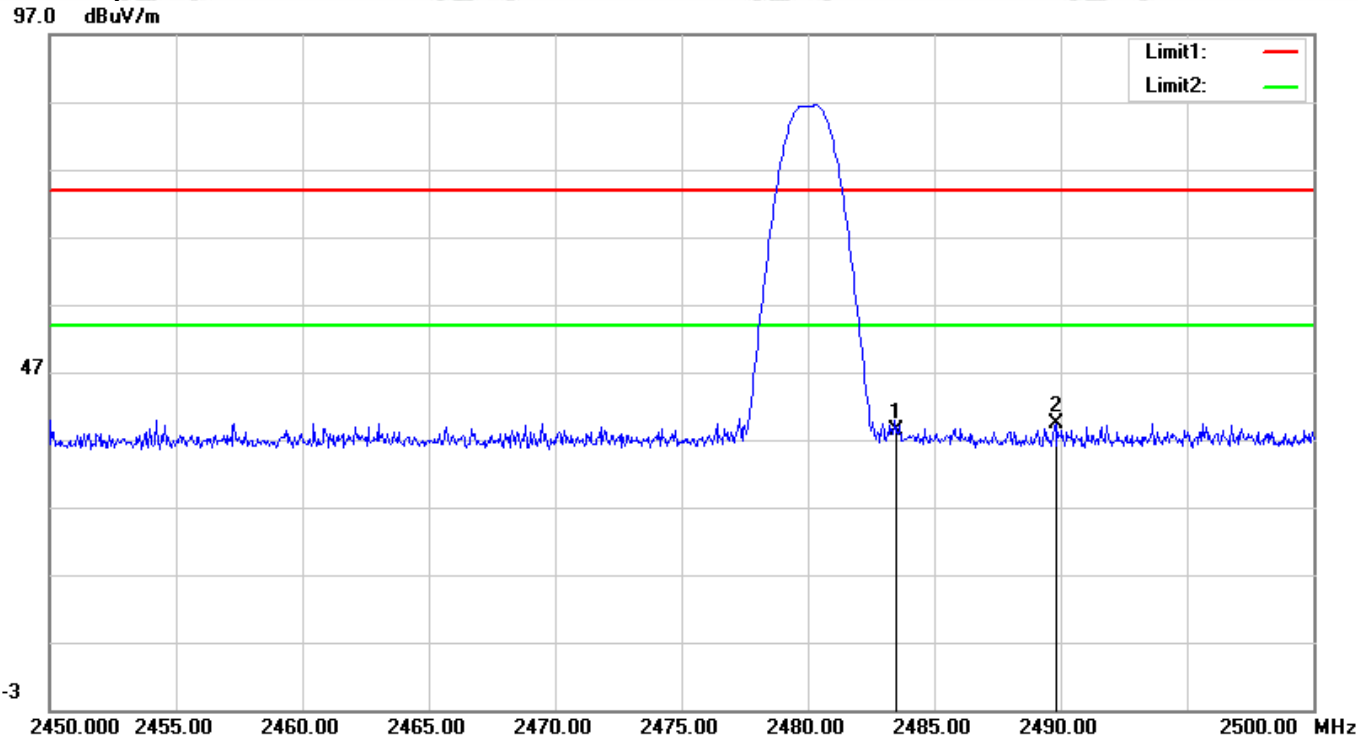
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2376.960	37.83	2.68	40.51	74.00	-33.49	100	218	peak
2	2390.000	33.91	2.71	36.62	74.00	-37.38	100	224	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC56 Ble

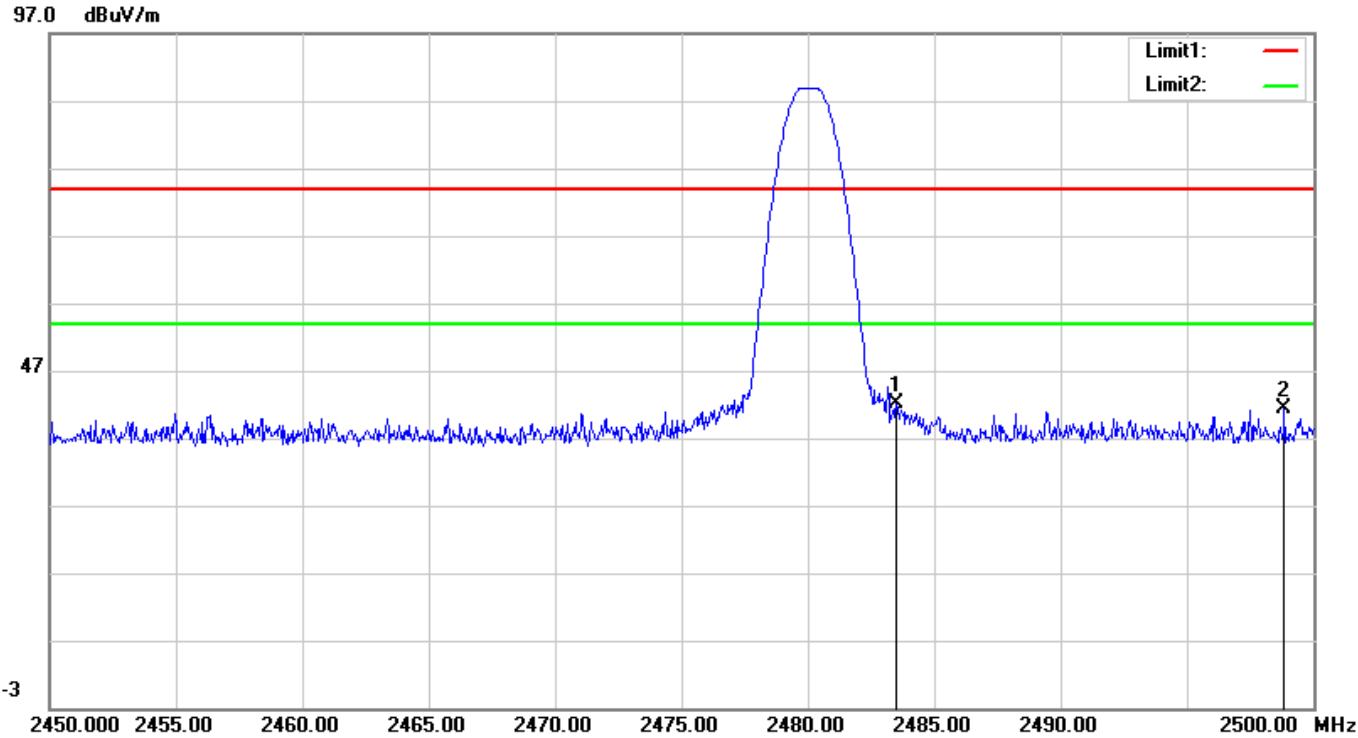
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	35.52	2.92	38.44	74.00	-35.56	100	293	peak
2	2489.800	36.57	2.93	39.50	74.00	-34.50	100	286	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC56 Ble

Test Graph

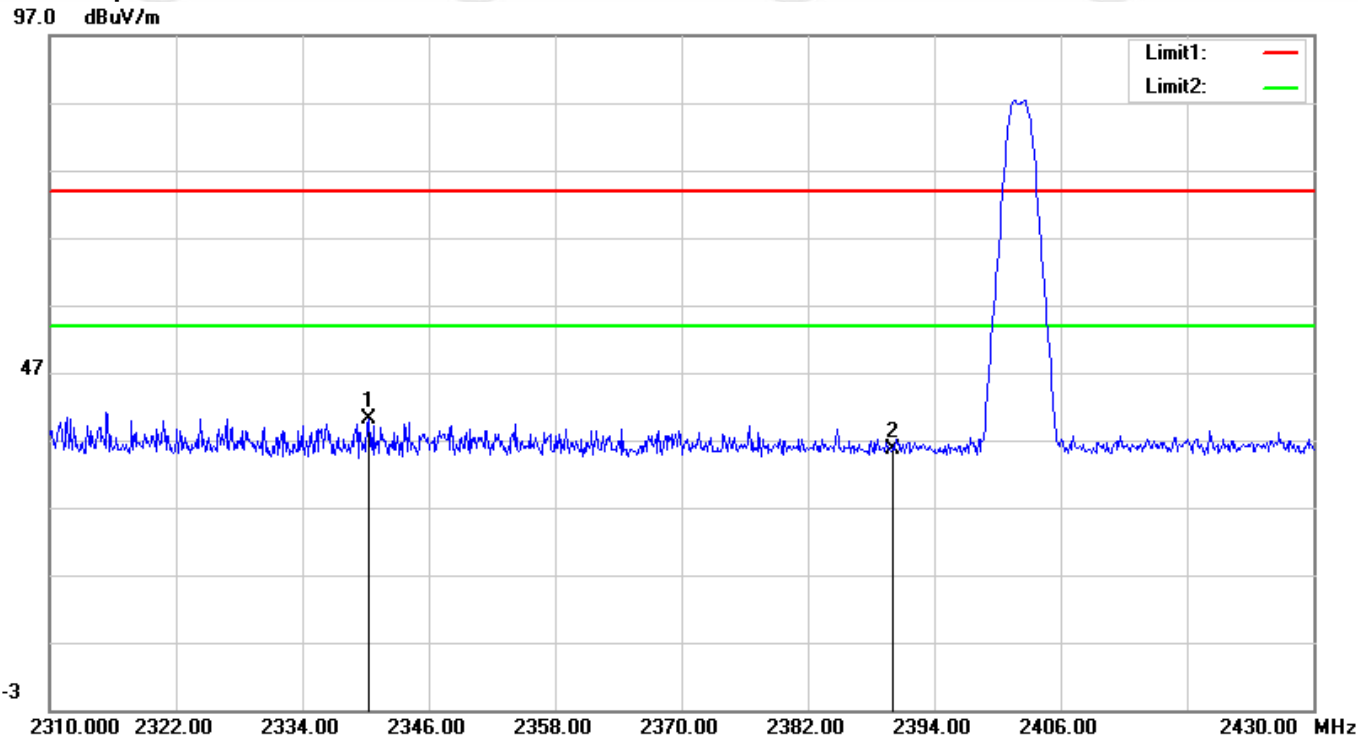


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	39.12	2.92	42.04	74.00	-31.96	100	128	peak
2	2498.850	38.32	2.95	41.27	74.00	-32.73	100	179	peak

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Mode:	BLE_2M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC56 Ble

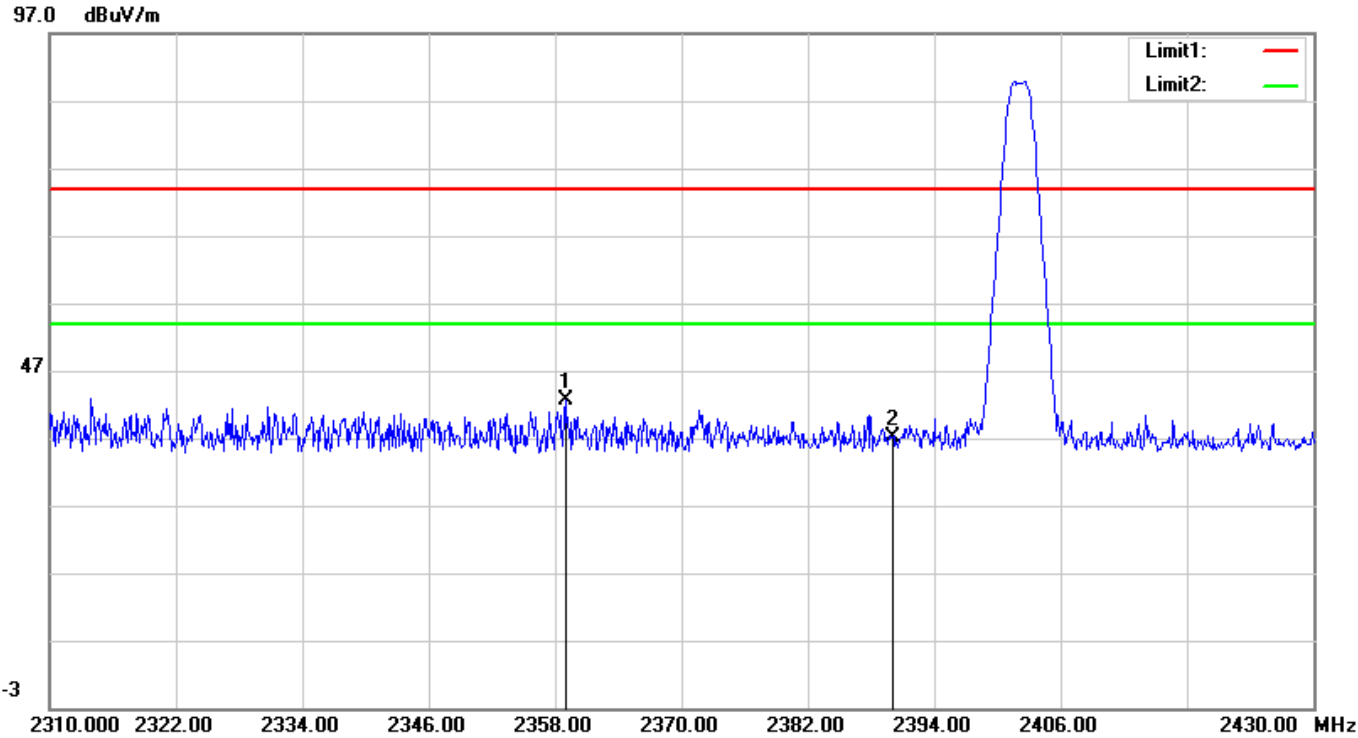
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2340.360	37.51	2.58	40.09	74.00	-33.91	100	292	peak
2	2390.000	32.92	2.71	35.63	74.00	-38.37	100	177	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC56 Ble

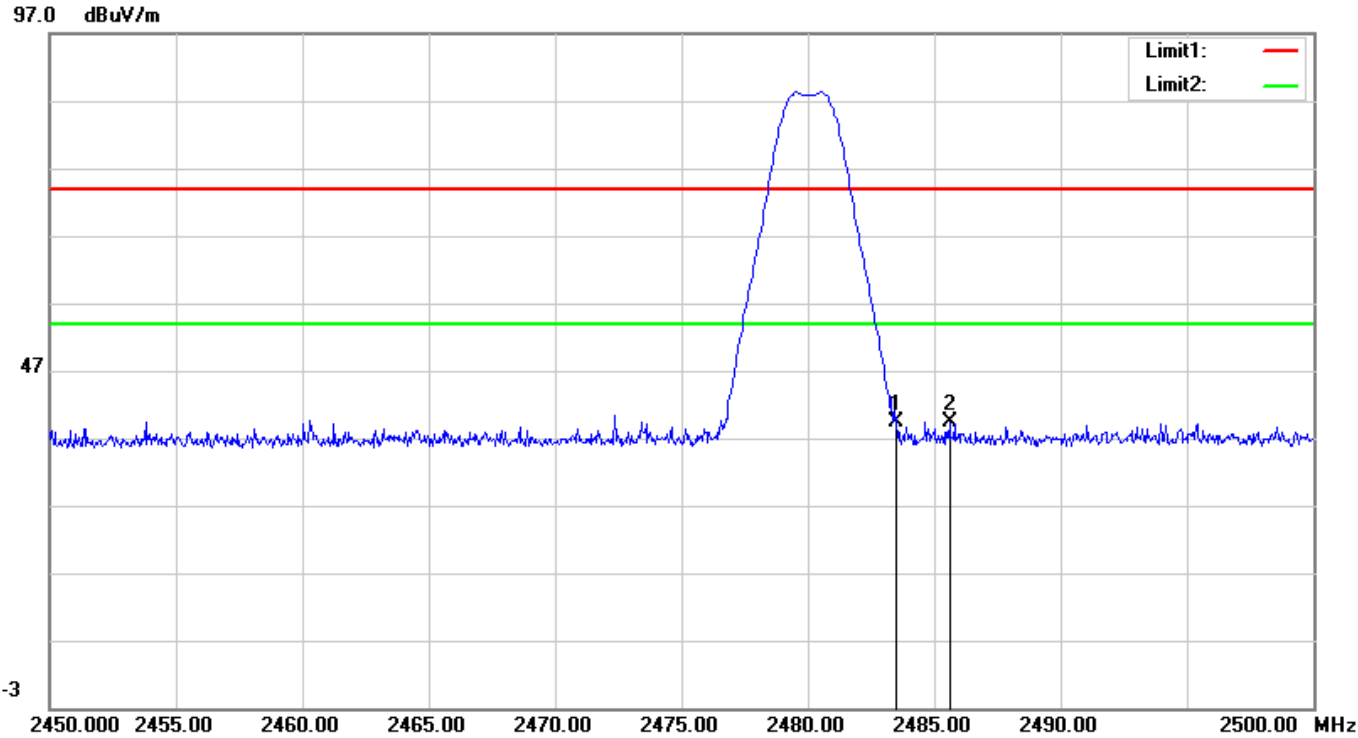
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2358.960	40.11	2.63	42.74	74.00	-31.26	100	220	peak
2	2390.000	34.50	2.71	37.21	74.00	-36.79	100	196	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC56 Ble

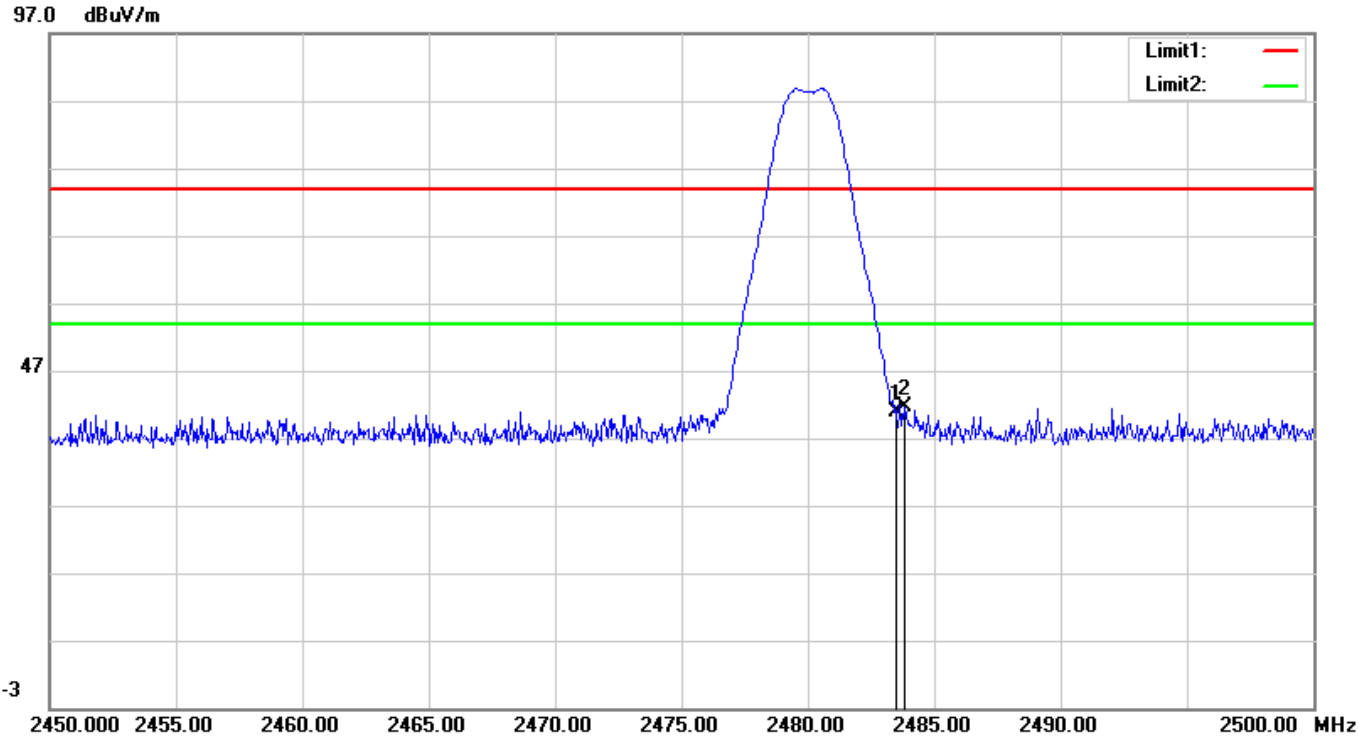
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	36.57	2.92	39.49	74.00	-34.51	100	51	peak
2	2485.600	36.58	2.92	39.50	74.00	-34.50	100	51	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC56 Ble

Test Graph

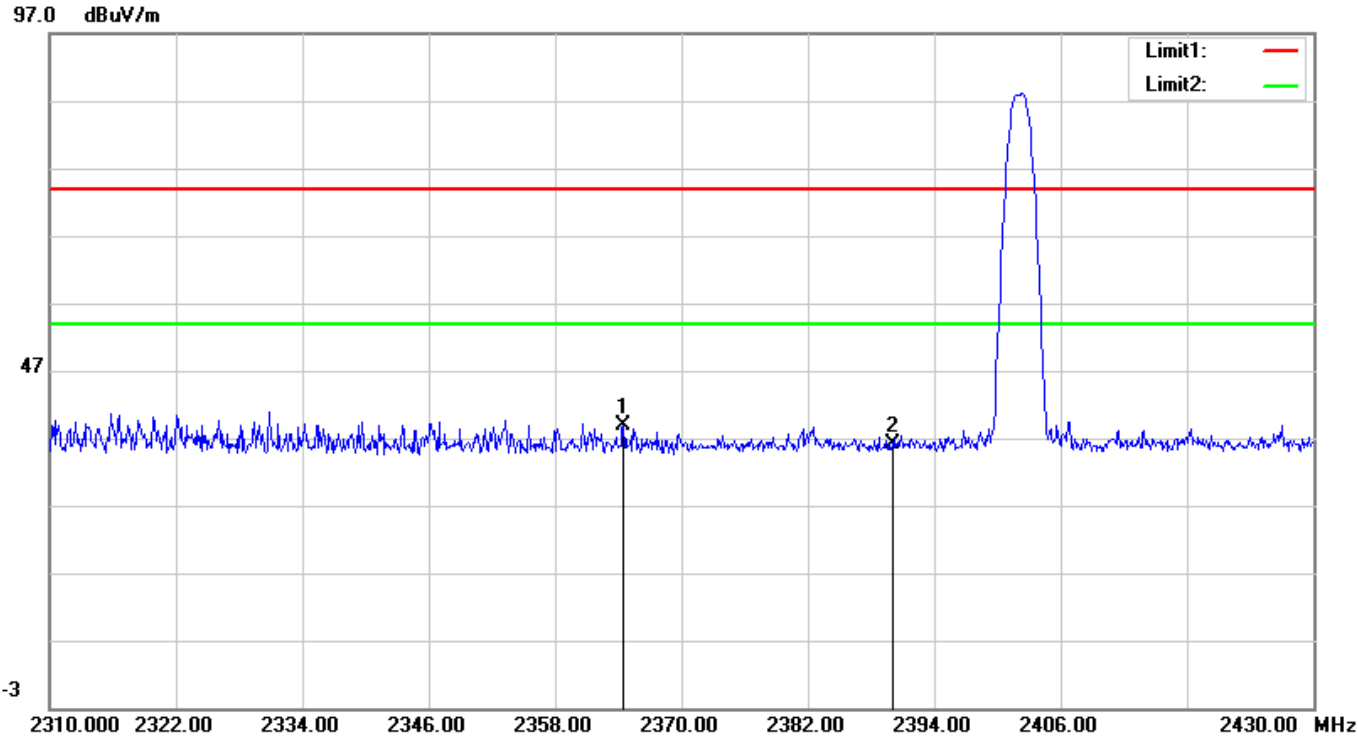


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	37.98	2.92	40.90	74.00	-33.10	100	236	peak
2	2483.850	38.60	2.92	41.52	74.00	-32.48	100	128	peak

Report No. : EED39N80872501

Mode:	BLE_125kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC56 Ble

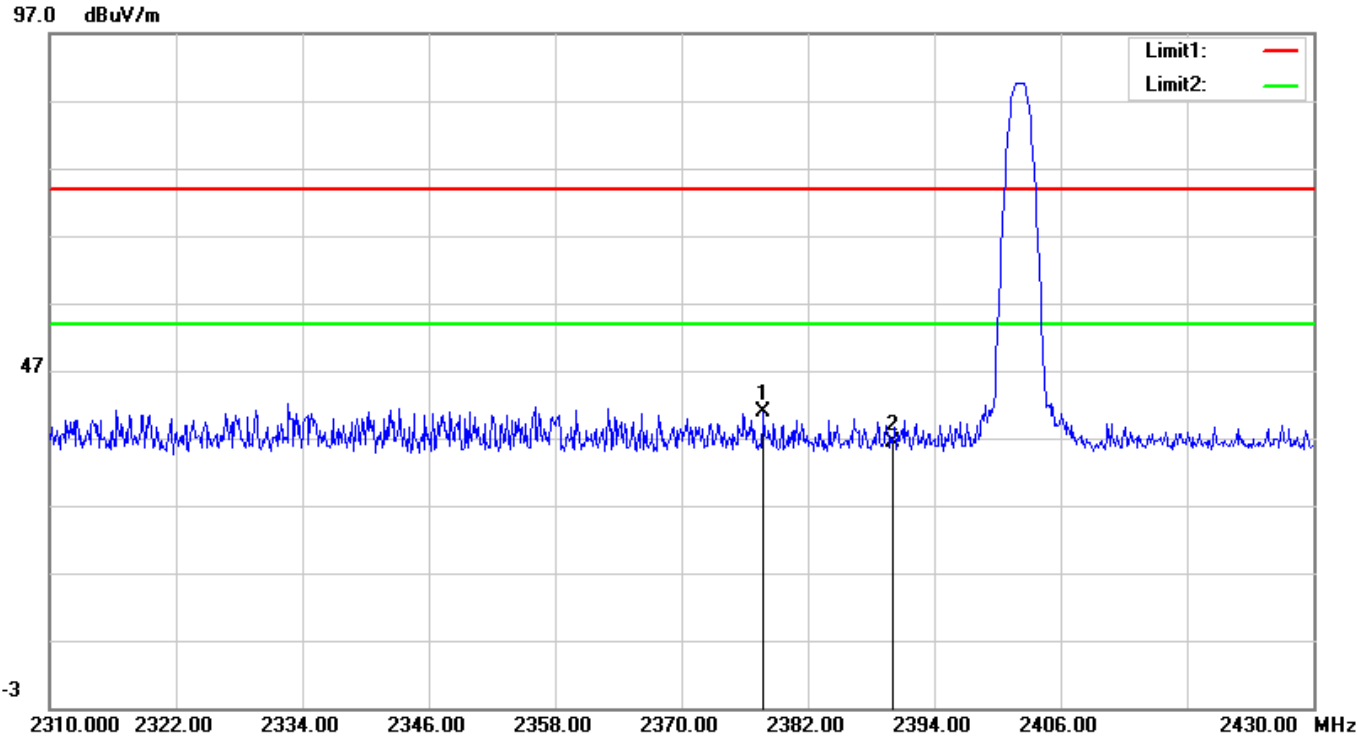
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2364.480	36.33	2.64	38.97	74.00	-35.03	100	284	peak
2	2390.000	33.48	2.71	36.19	74.00	-37.81	100	337	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC56 Ble

Test Graph

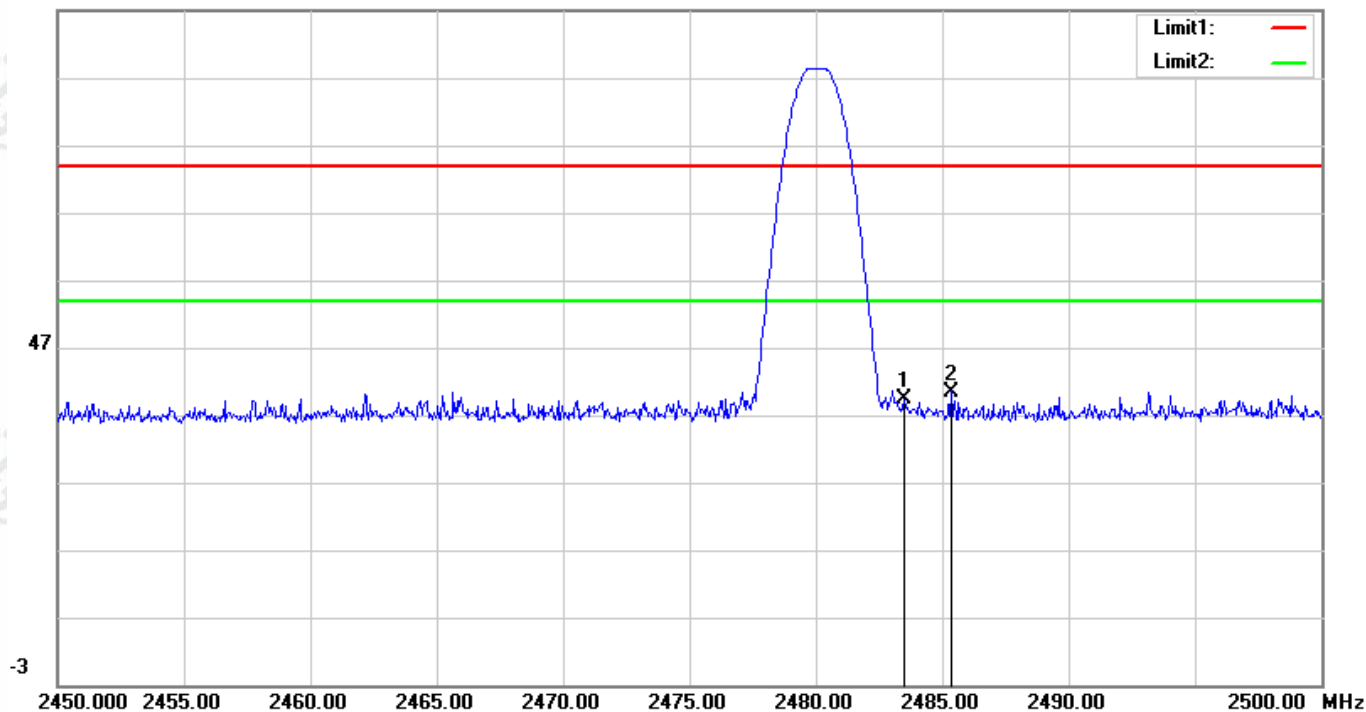


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2377.800	38.09	2.68	40.77	74.00	-33.23	100	199	peak
2	2390.000	33.67	2.71	36.38	74.00	-37.62	100	222	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC56 Ble

Test Graph

97.0 dBuV/m

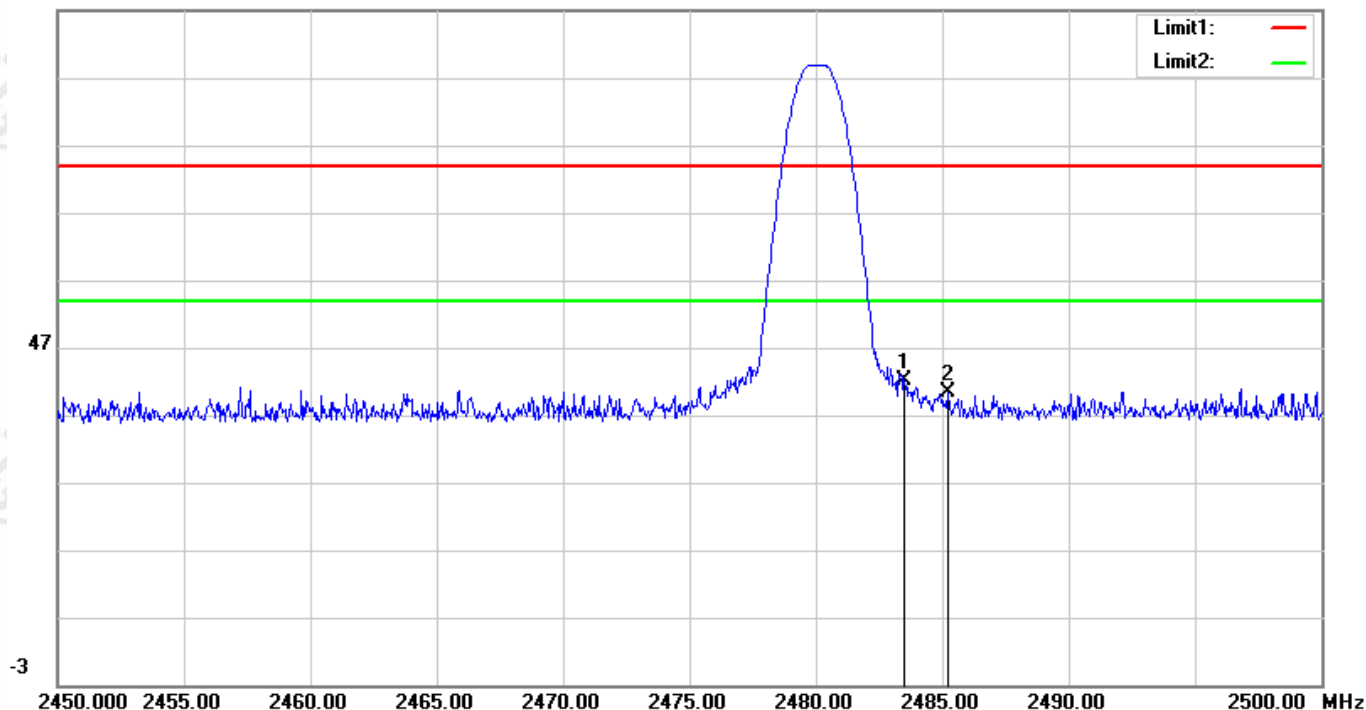


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	36.56	2.92	39.48	74.00	-34.52	100	80	peak
2	2485.350	37.58	2.92	40.50	74.00	-33.50	100	170	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC56 Ble

Test Graph

97.0 dBuV/m

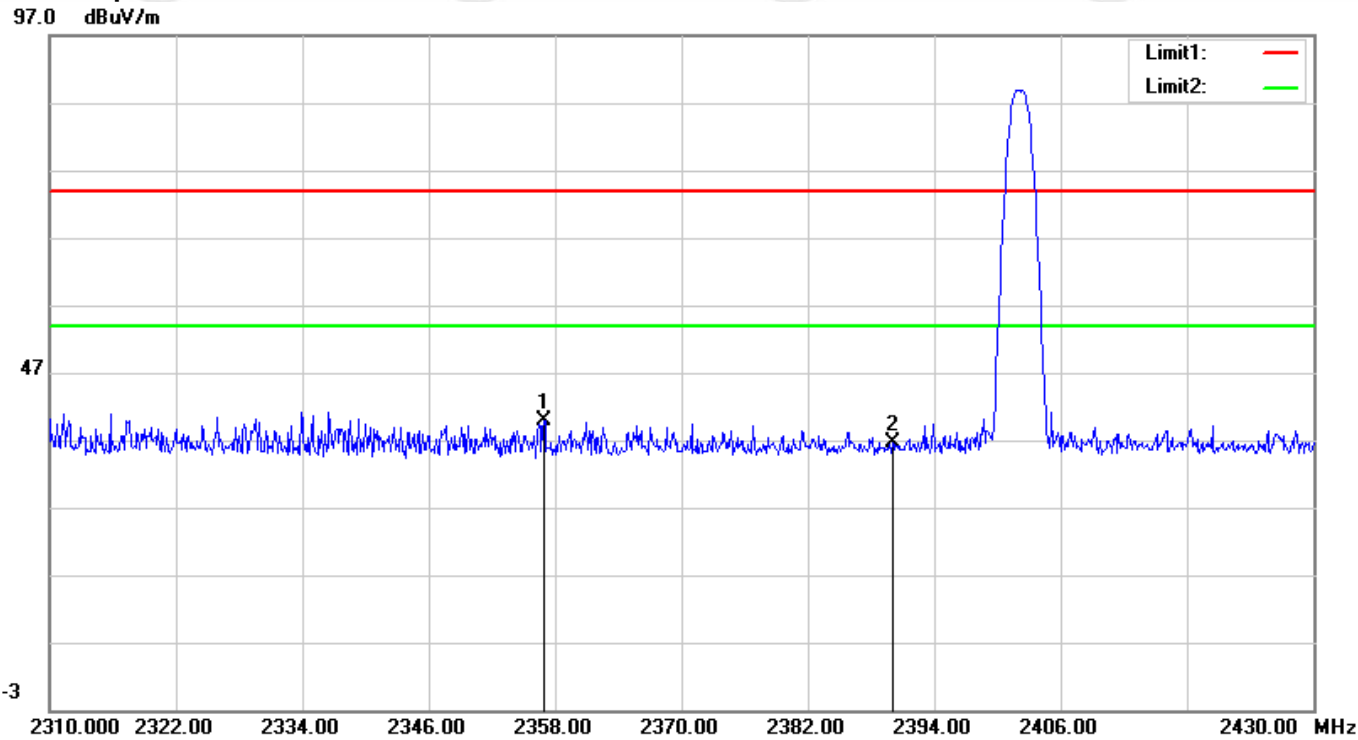


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	39.18	2.92	42.10	74.00	-31.90	100	148	peak
2	2485.200	37.56	2.92	40.48	74.00	-33.52	100	255	peak

Report No. : EED39N80872501

Mode:	BLE_500kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC56 Ble

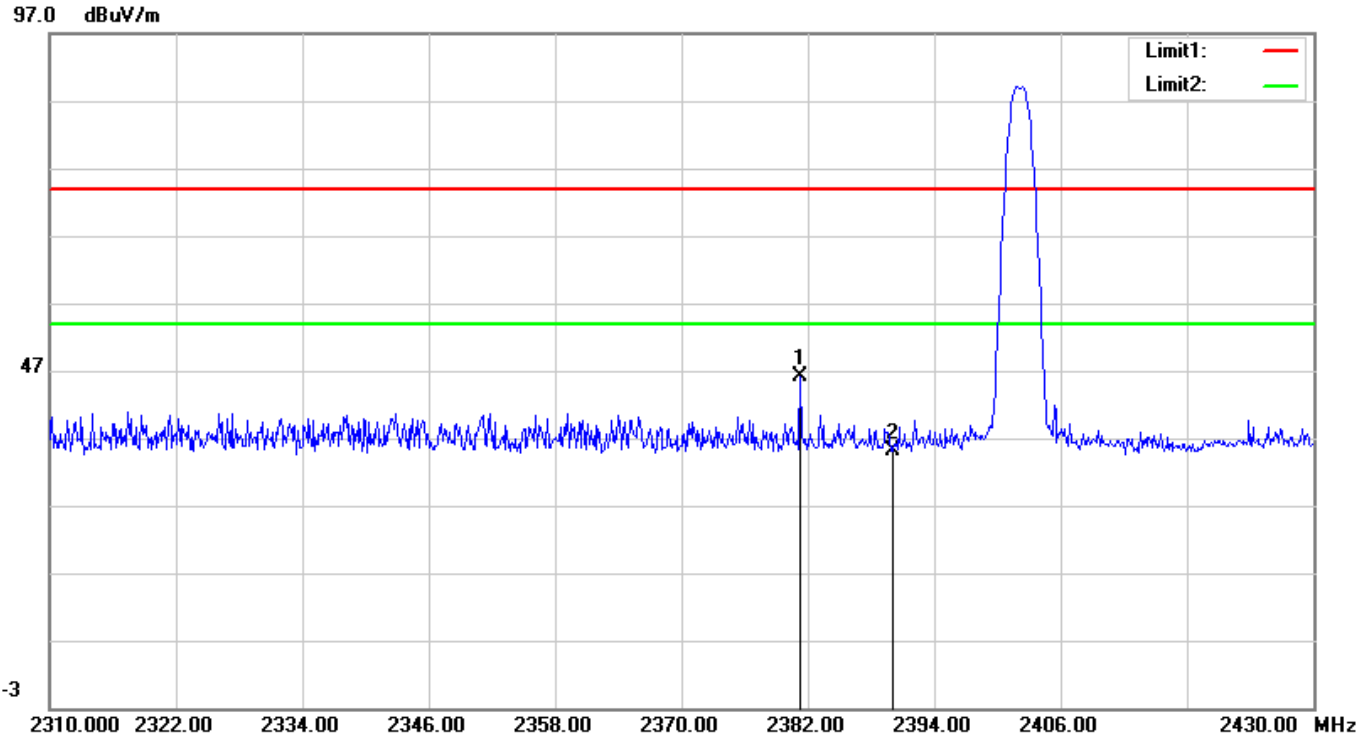
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2356.920	37.27	2.62	39.89	74.00	-34.11	100	79	peak
2	2390.000	33.93	2.71	36.64	74.00	-37.36	100	108	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC56 Ble

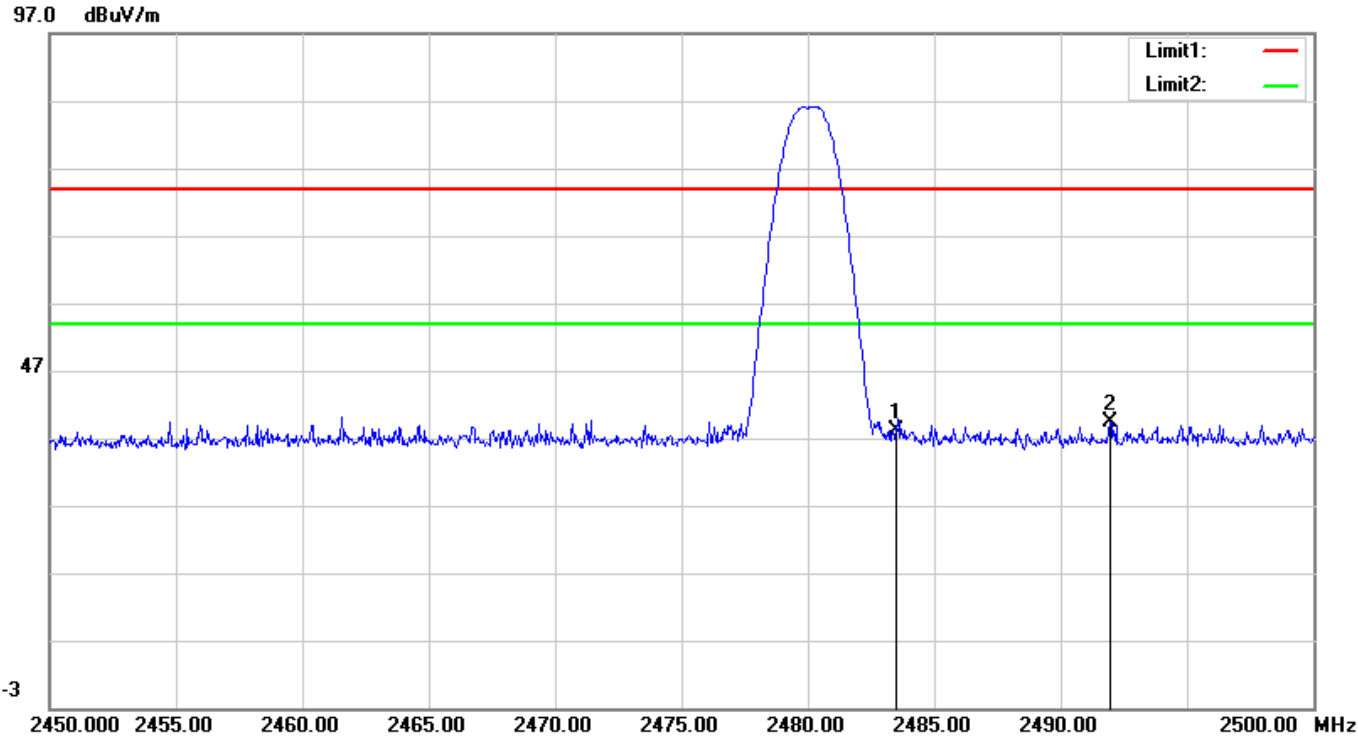
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2381.280	43.51	2.69	46.20	74.00	-27.80	100	173	peak
2	2390.000	32.34	2.71	35.05	74.00	-38.95	100	26	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC56 Ble

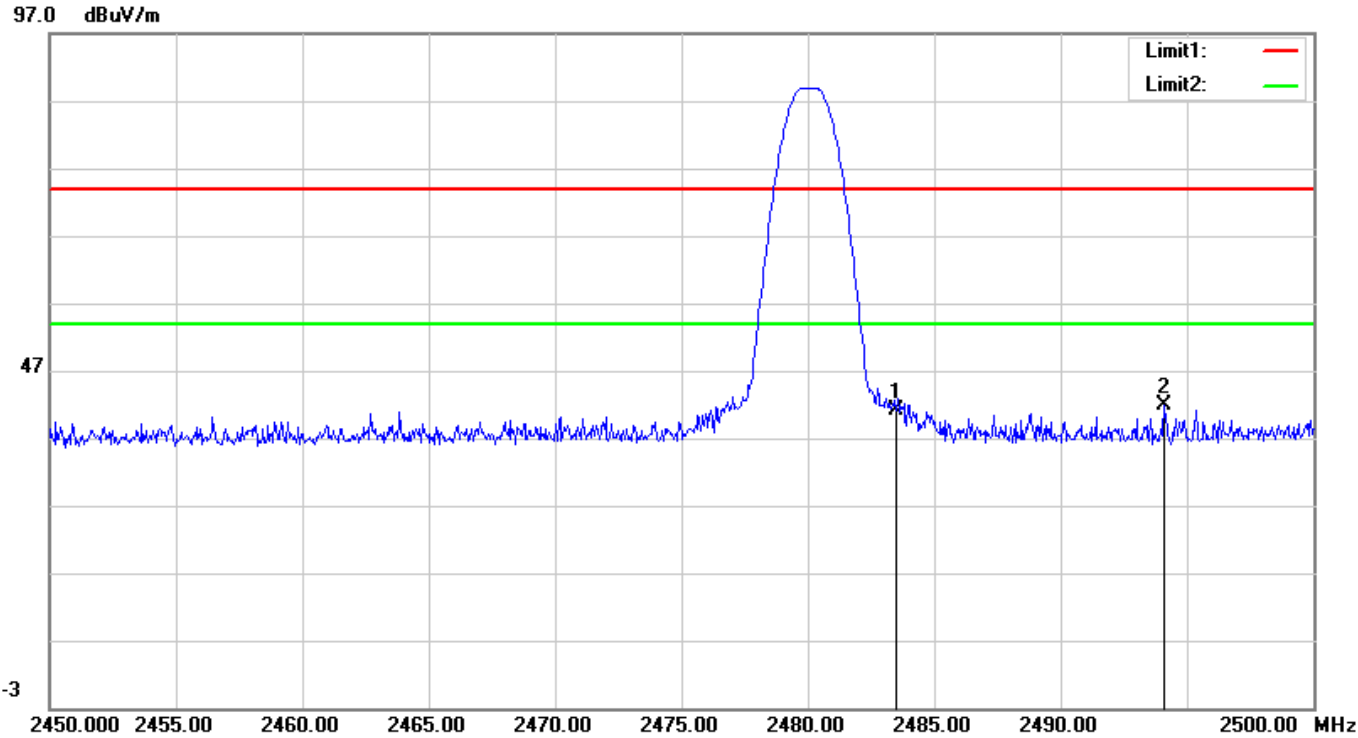
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	35.13	2.92	38.05	74.00	-35.95	100	301	peak
2	2491.950	36.43	2.93	39.36	74.00	-34.64	100	298	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC56 Ble

Test Graph

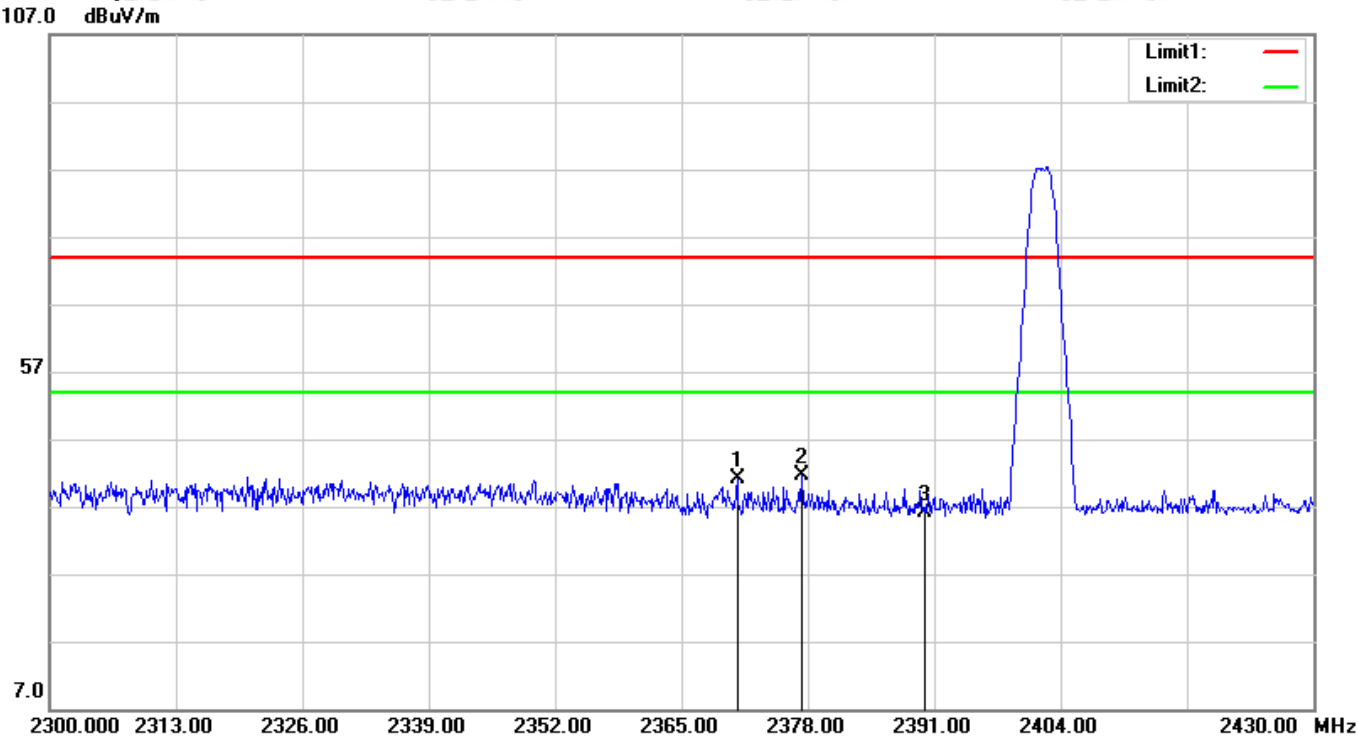


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	38.25	2.92	41.17	74.00	-32.83	100	145	peak
2	2494.100	38.88	2.94	41.82	74.00	-32.18	100	182	peak

Report No. : EED39N80872501

Mode:	BLE_1M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC53 Ble

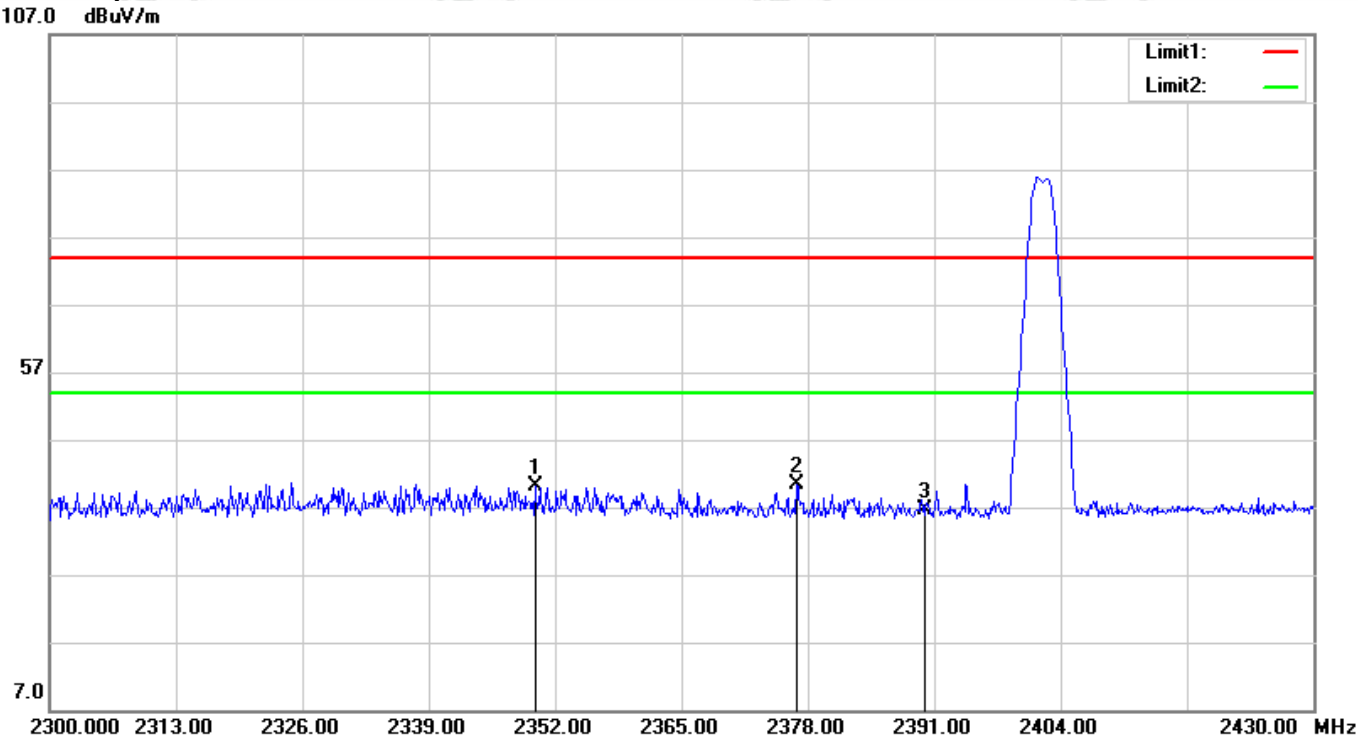
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2370.720	38.43	2.66	41.09	74.00	-32.91	100	312	peak
2	2377.350	39.01	2.68	41.69	74.00	-32.31	100	322	peak
3	2390.000	33.37	2.71	36.08	74.00	-37.92	104	0	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC53 Ble

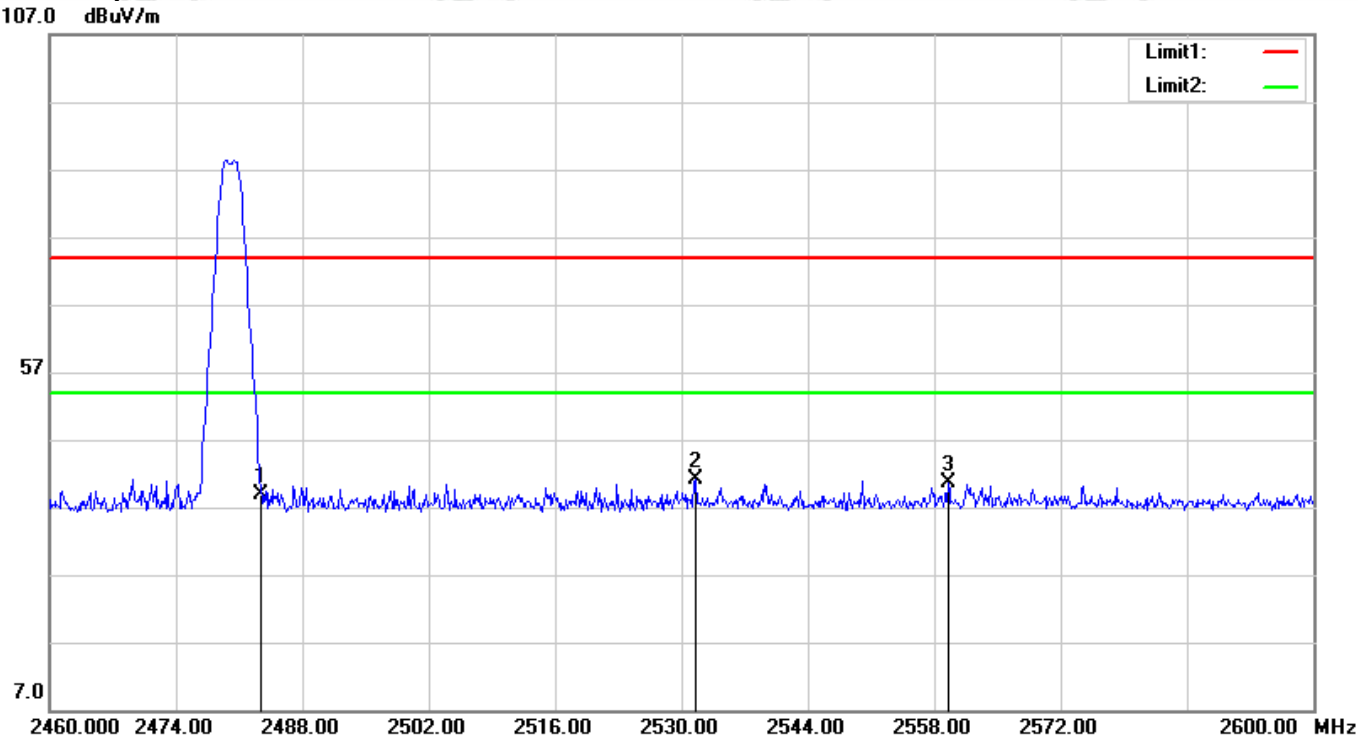
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2349.920	37.43	2.60	40.03	74.00	-33.97	100	201	peak
2	2376.830	37.66	2.68	40.34	74.00	-33.66	100	85	peak
3	2390.000	33.95	2.71	36.66	74.00	-37.34	200	78	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC53 Ble

Test Graph

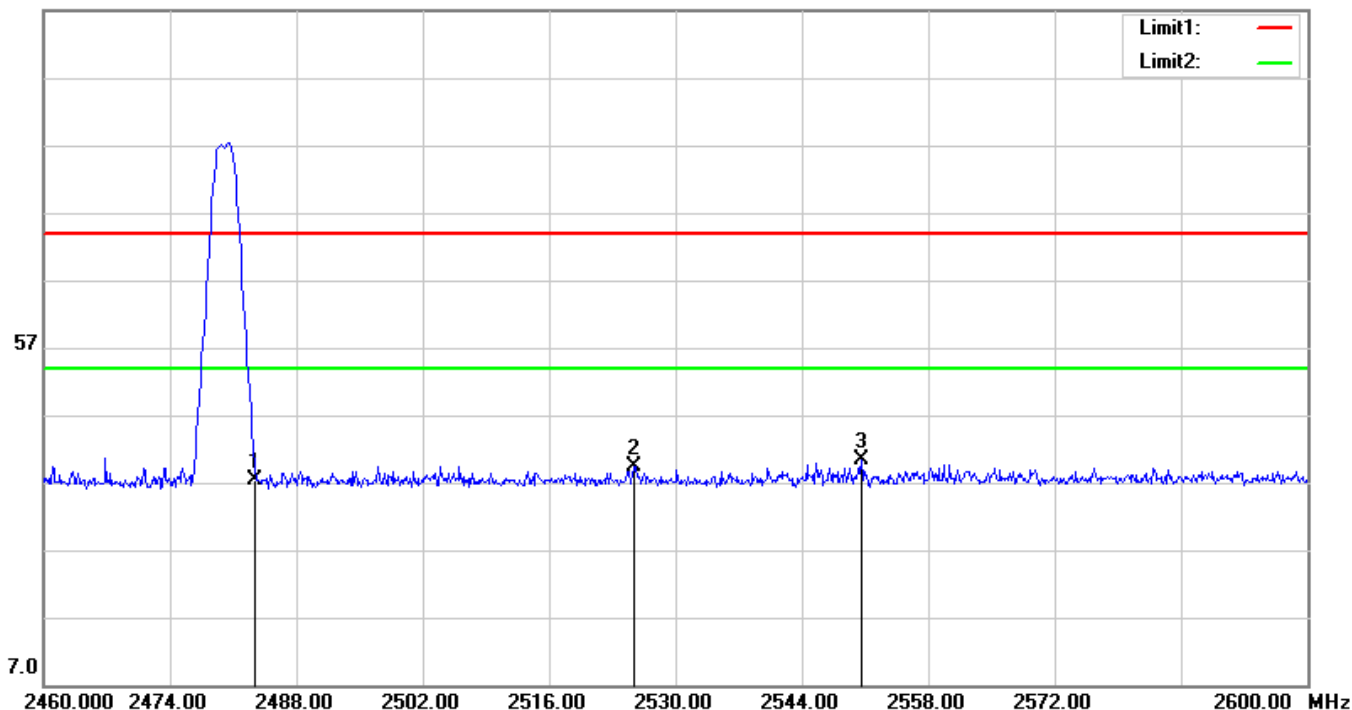


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	36.07	2.92	38.99	74.00	-35.01	200	263	peak
2	2531.540	38.21	3.02	41.23	74.00	-32.77	100	262	peak
3	2559.540	37.51	3.08	40.59	74.00	-33.41	100	268	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph

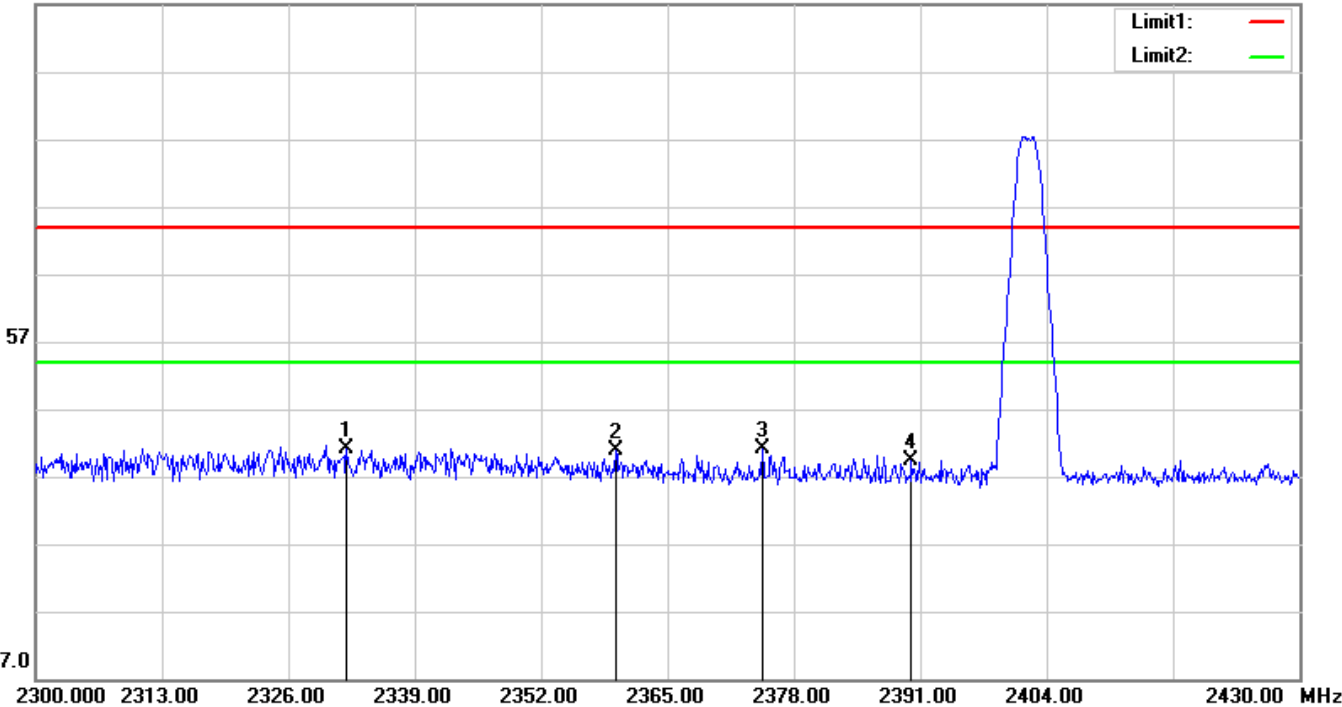
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.50	2.92	37.42	74.00	-36.58	100	316	peak
2	2525.380	36.41	3.00	39.41	74.00	-34.59	200	73	peak
3	2550.580	37.34	3.06	40.40	74.00	-33.60	200	76	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC53 Ble

Test Graph
107.0 dBuV/m

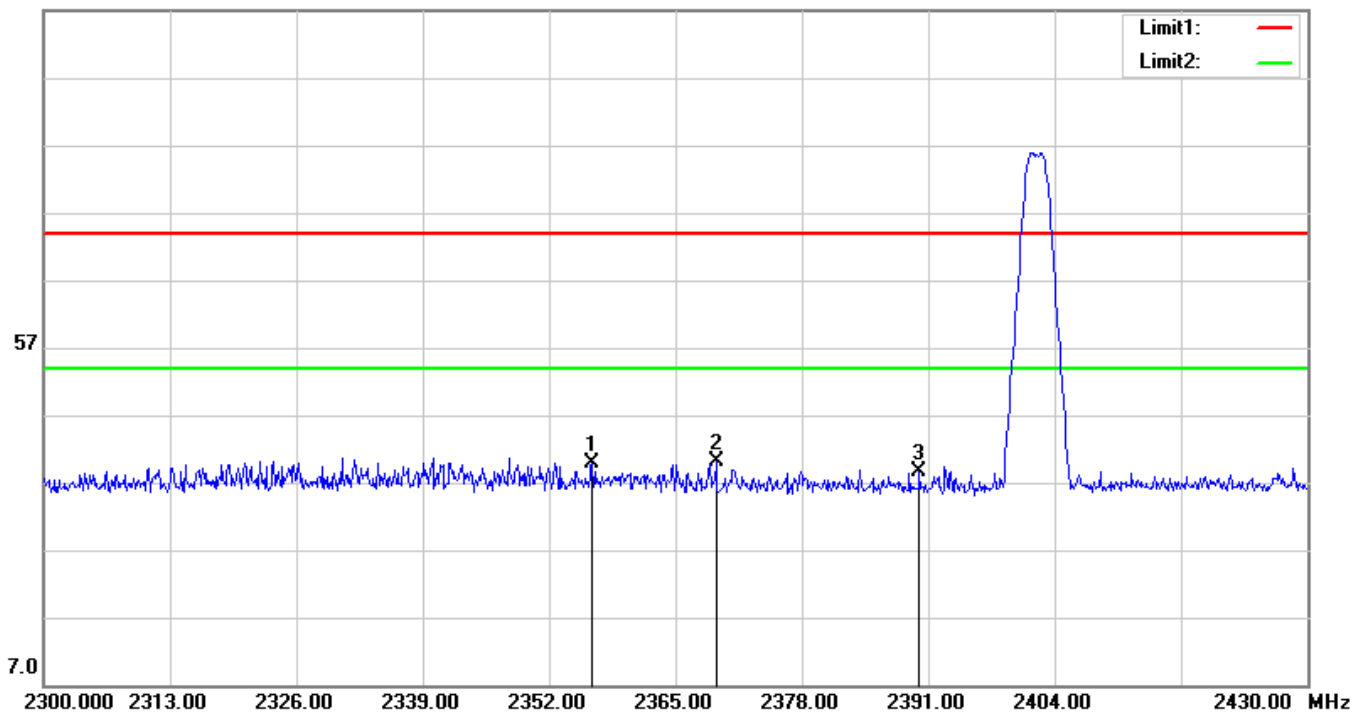


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2331.980	38.64	2.56	41.20	74.00	-32.80	100	13	peak
2	2359.670	38.35	2.63	40.98	74.00	-33.02	166	0	peak
3	2374.750	38.55	2.67	41.22	74.00	-32.78	100	315	peak
4	2390.000	36.72	2.71	39.43	74.00	-34.57	100	334	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

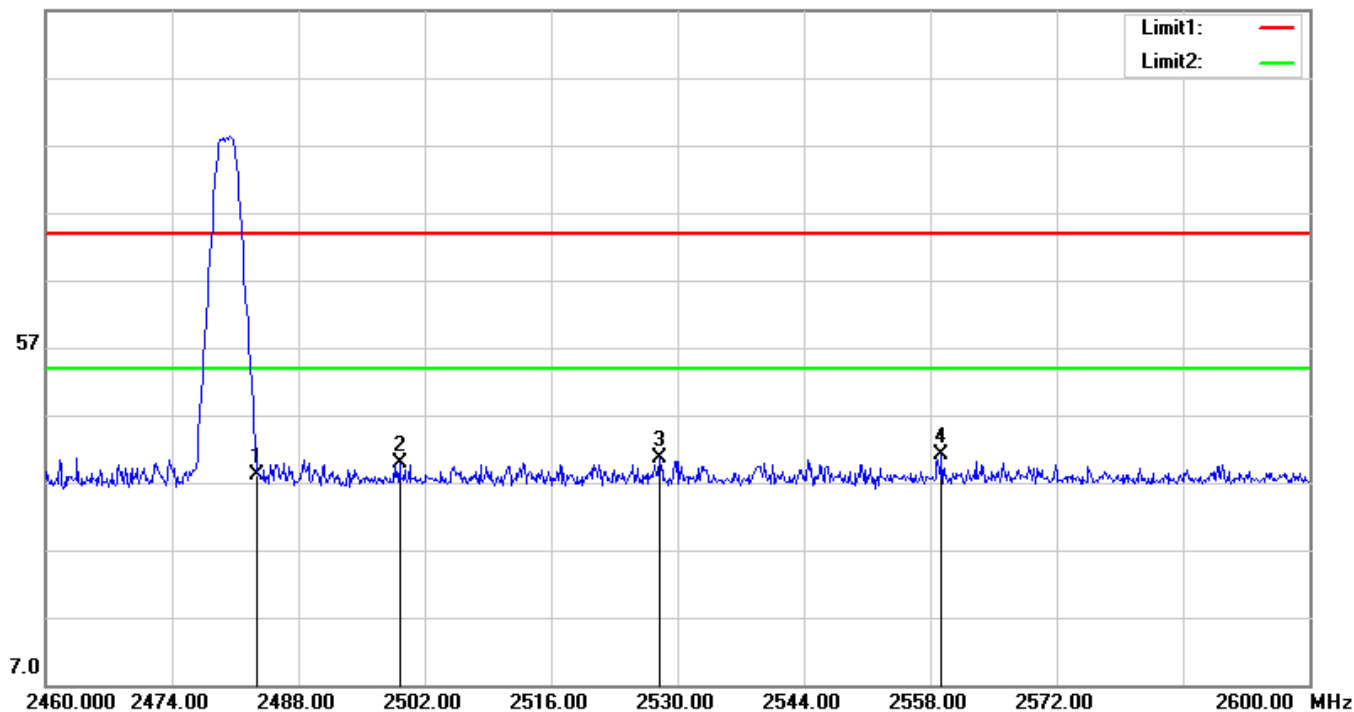


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2356.420	37.37	2.62	39.99	74.00	-34.01	100	204	peak
2	2369.160	37.43	2.66	40.09	74.00	-33.91	100	207	peak
3	2390.000	35.97	2.71	38.68	74.00	-35.32	100	98	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

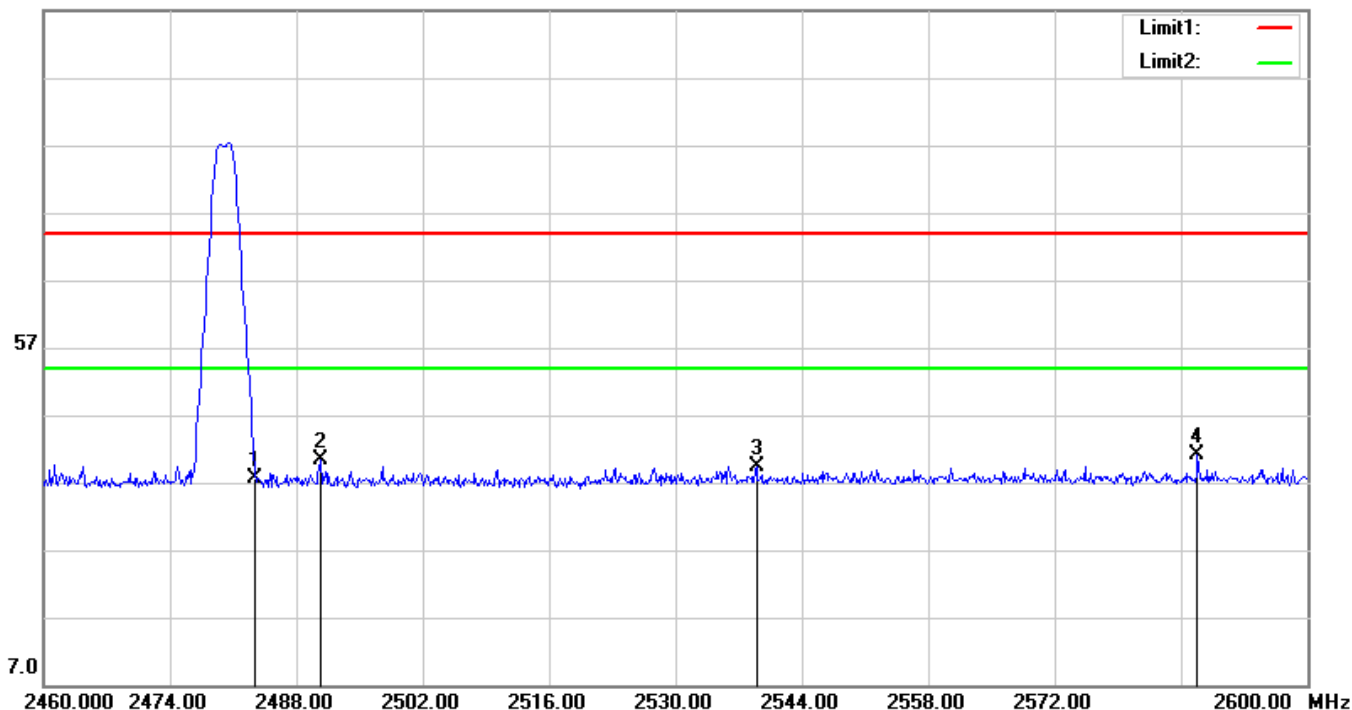


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.13	2.92	38.05	74.00	-35.95	200	262	peak
2	2499.200	37.00	2.95	39.95	74.00	-34.05	105	0	peak
3	2528.040	37.51	3.01	40.52	74.00	-33.48	100	316	peak
4	2559.260	38.04	3.07	41.11	74.00	-32.89	100	266	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

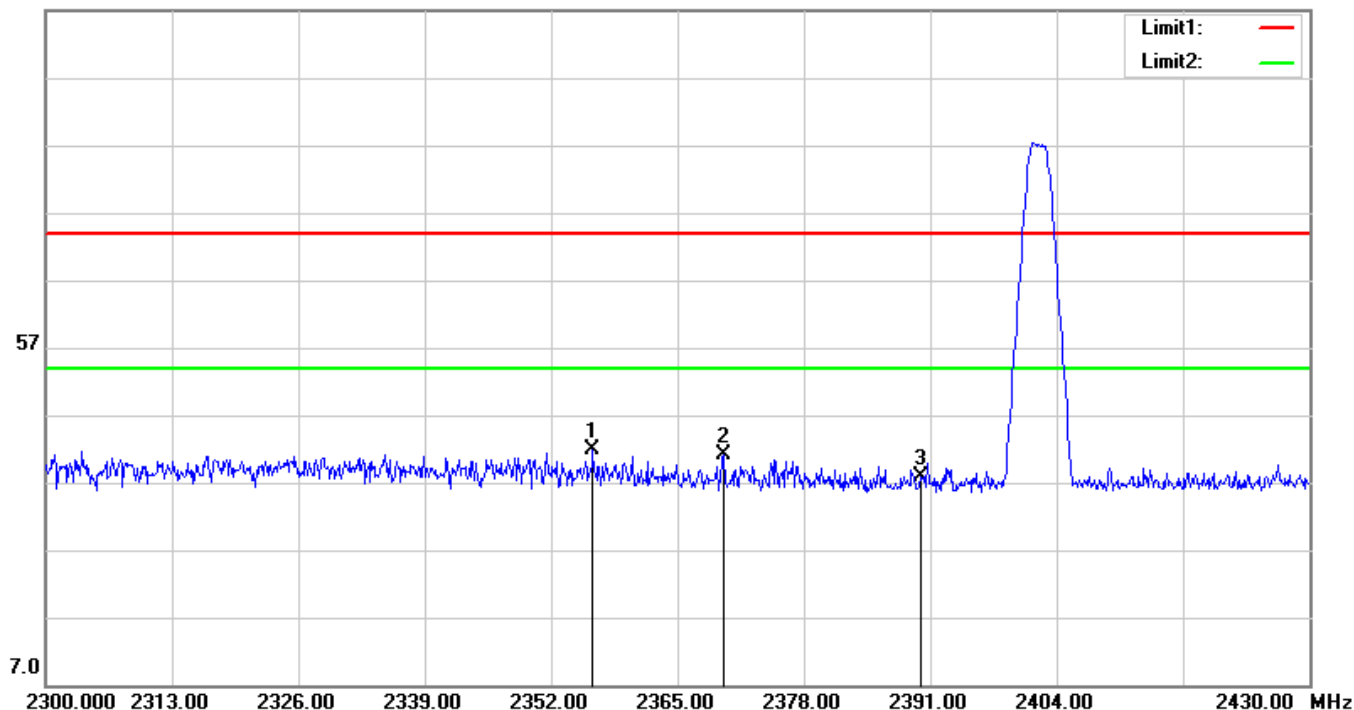


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.63	2.92	37.55	74.00	-36.45	200	77	peak
2	2490.660	37.47	2.93	40.40	74.00	-33.60	200	77	peak
3	2538.960	36.39	3.03	39.42	74.00	-34.58	200	74	peak
4	2587.820	38.12	3.13	41.25	74.00	-32.75	100	172	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

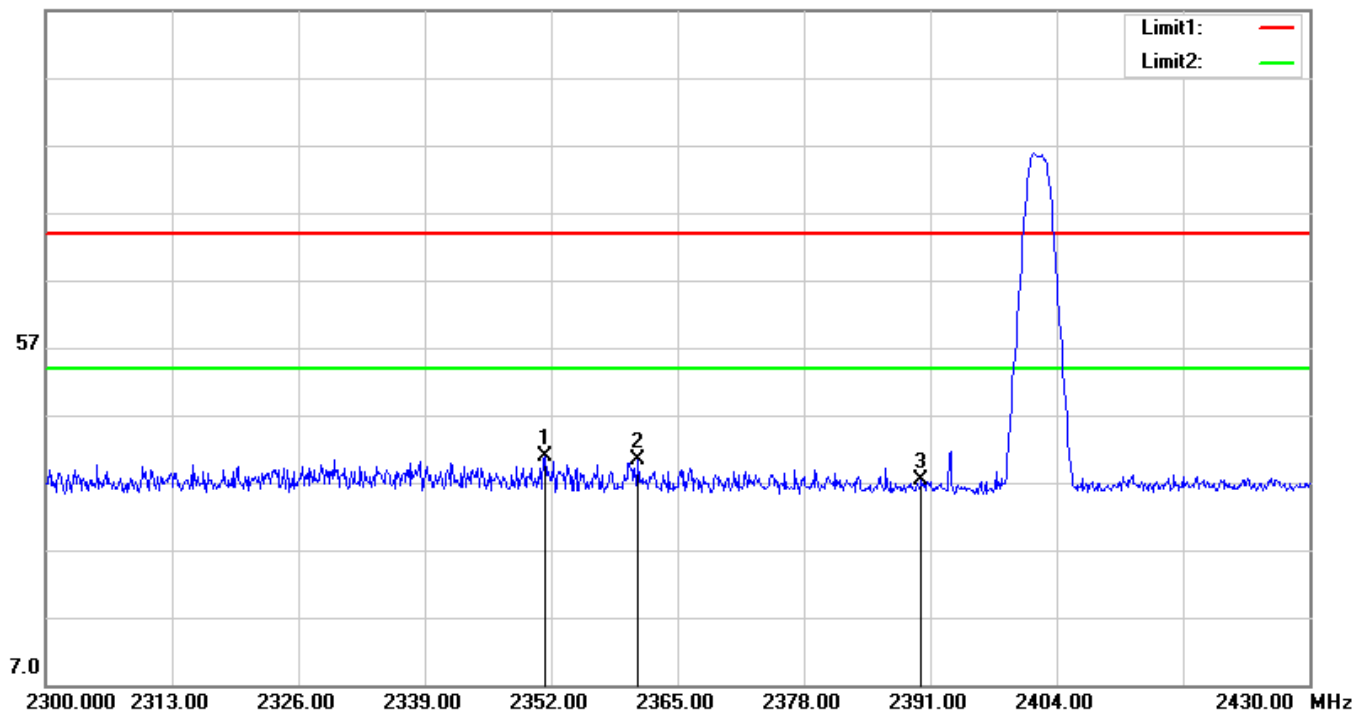


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2356.290	39.17	2.62	41.79	74.00	-32.21	152	0	peak
2	2369.680	38.36	2.66	41.02	74.00	-32.98	100	316	peak
3	2390.000	35.25	2.71	37.96	74.00	-36.04	125	0	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

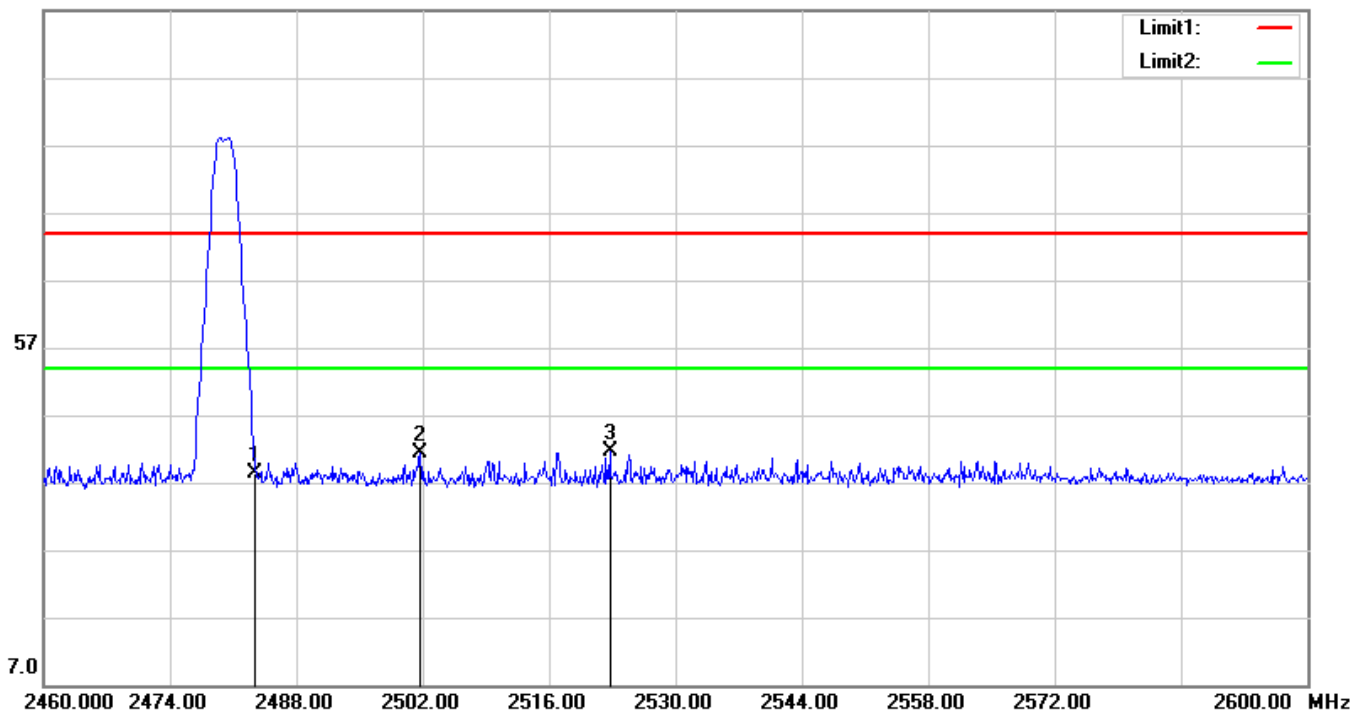


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2351.350	38.39	2.61	41.00	74.00	-33.00	100	221	peak
2	2360.970	37.71	2.63	40.34	74.00	-33.66	100	110	peak
3	2390.000	34.60	2.71	37.31	74.00	-36.69	100	122	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

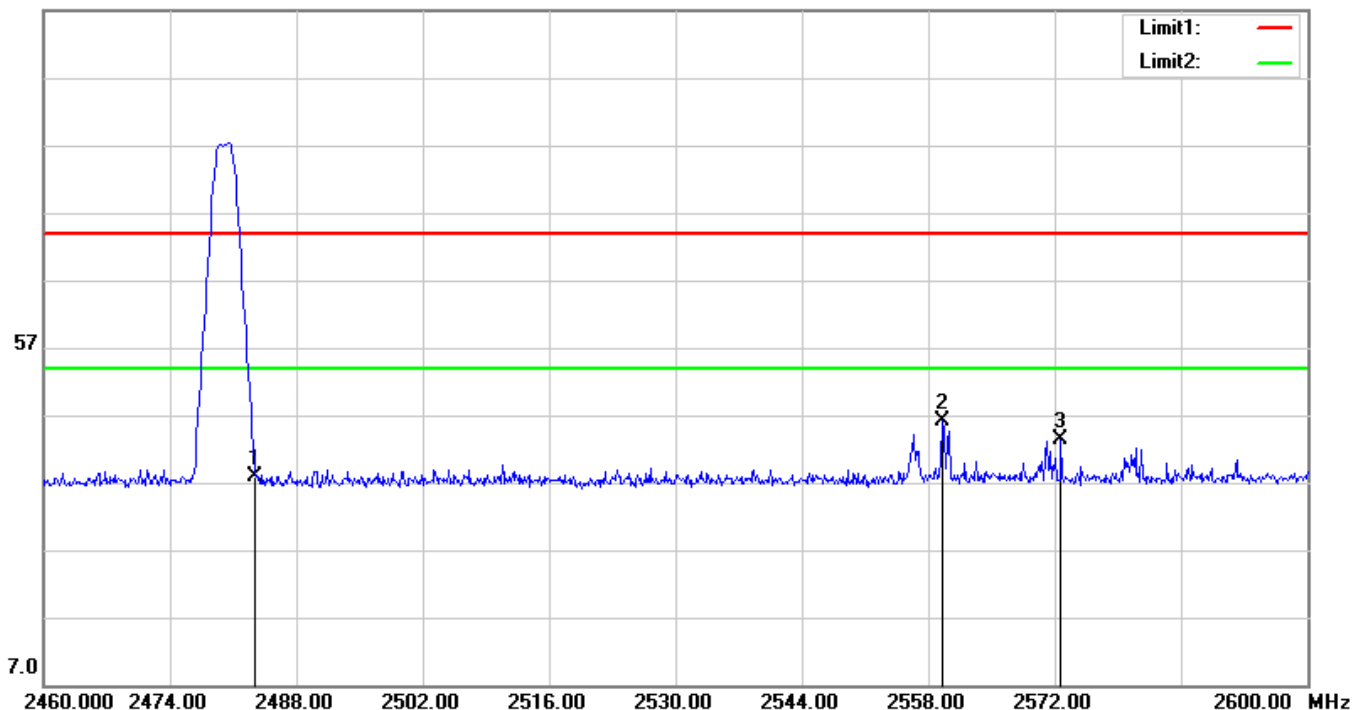


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.53	2.92	38.45	74.00	-35.55	100	257	peak
2	2501.720	38.46	2.95	41.41	74.00	-32.59	100	318	peak
3	2522.720	38.63	3.00	41.63	74.00	-32.37	100	318	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

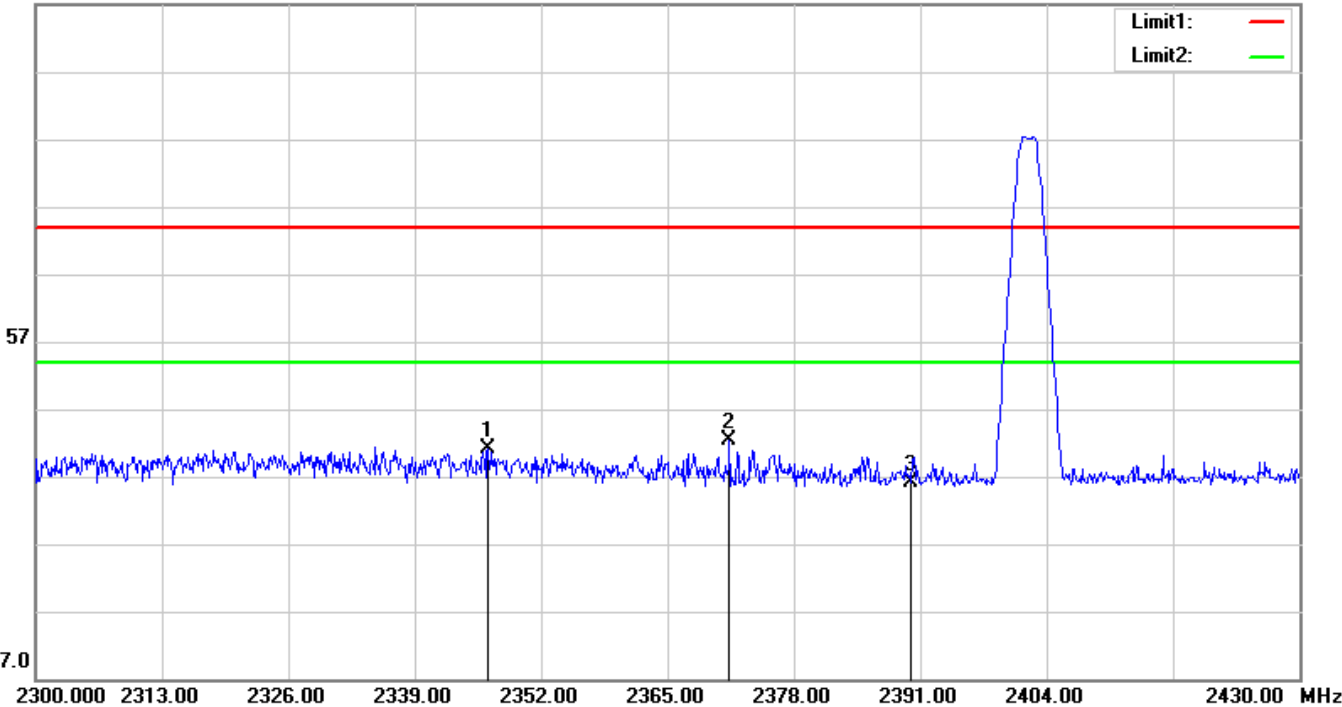


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.97	2.92	37.89	74.00	-36.11	100	1	peak
2	2559.540	43.03	3.08	46.11	74.00	-27.89	180	0	peak
3	2572.700	40.17	3.10	43.27	74.00	-30.73	180	0	peak

Report No. : EED39N80872501

Mode:	BLE_500kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC53 Ble

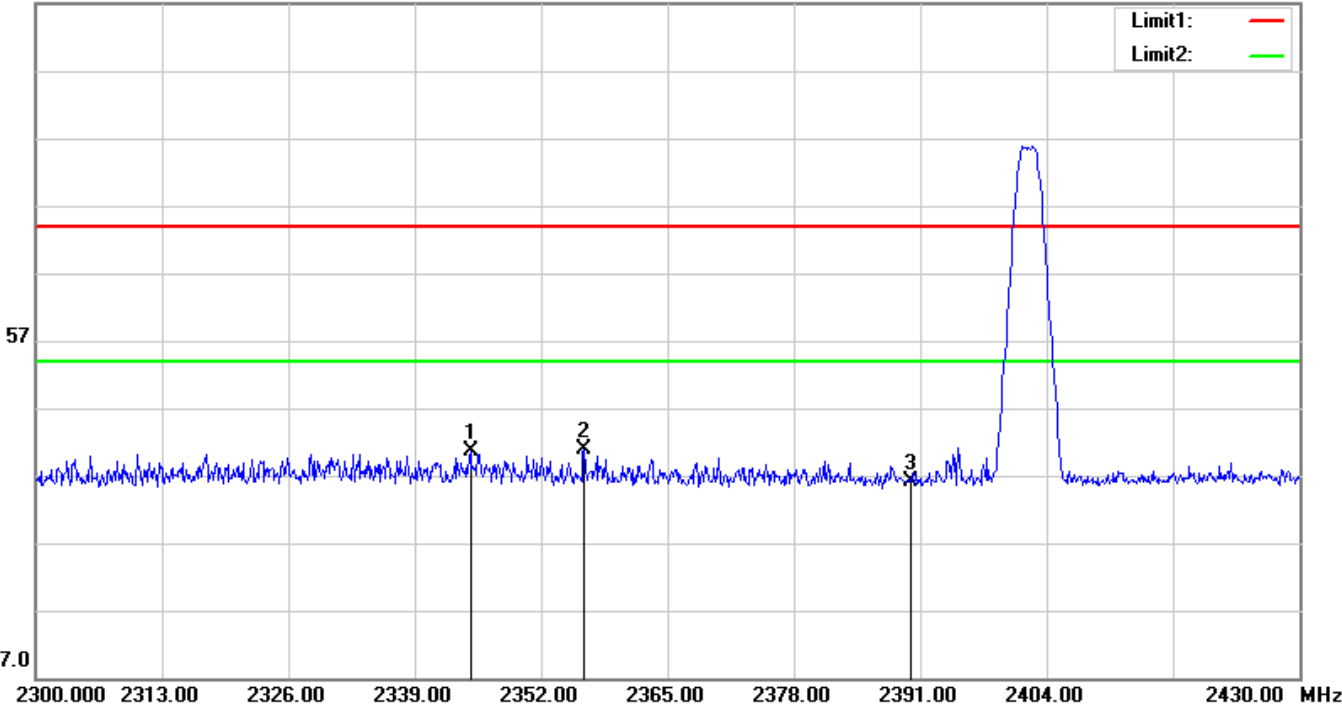
Test Graph
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2346.540	38.60	2.60	41.20	74.00	-32.80	100	309	peak
2	2371.370	39.70	2.66	42.36	74.00	-31.64	100	315	peak
3	2390.000	33.50	2.71	36.21	74.00	-37.79	100	346	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph
107.0 dBuV/m

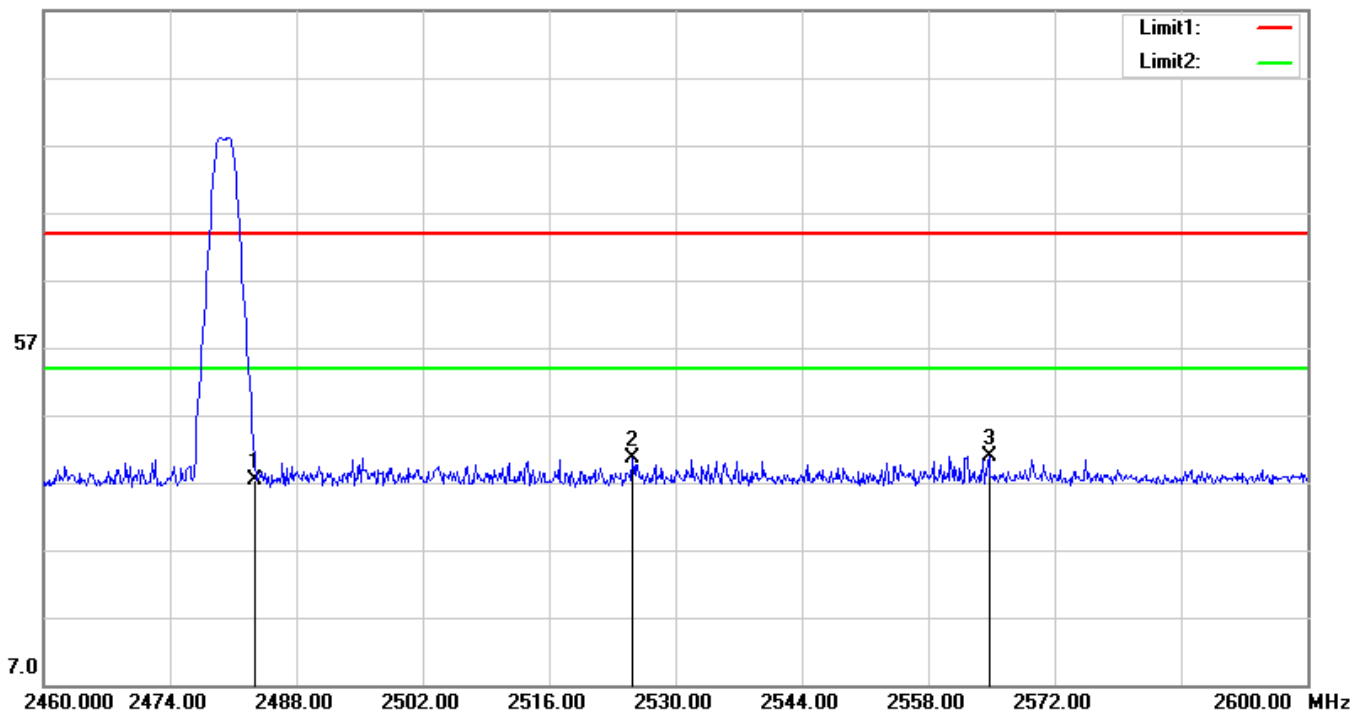


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2344.720	37.96	2.59	40.55	74.00	-33.45	100	108	peak
2	2356.420	38.15	2.62	40.77	74.00	-33.23	100	111	peak
3	2390.000	33.30	2.71	36.01	74.00	-37.99	100	108	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC53 Ble

Test Graph

107.0 dBuV/m

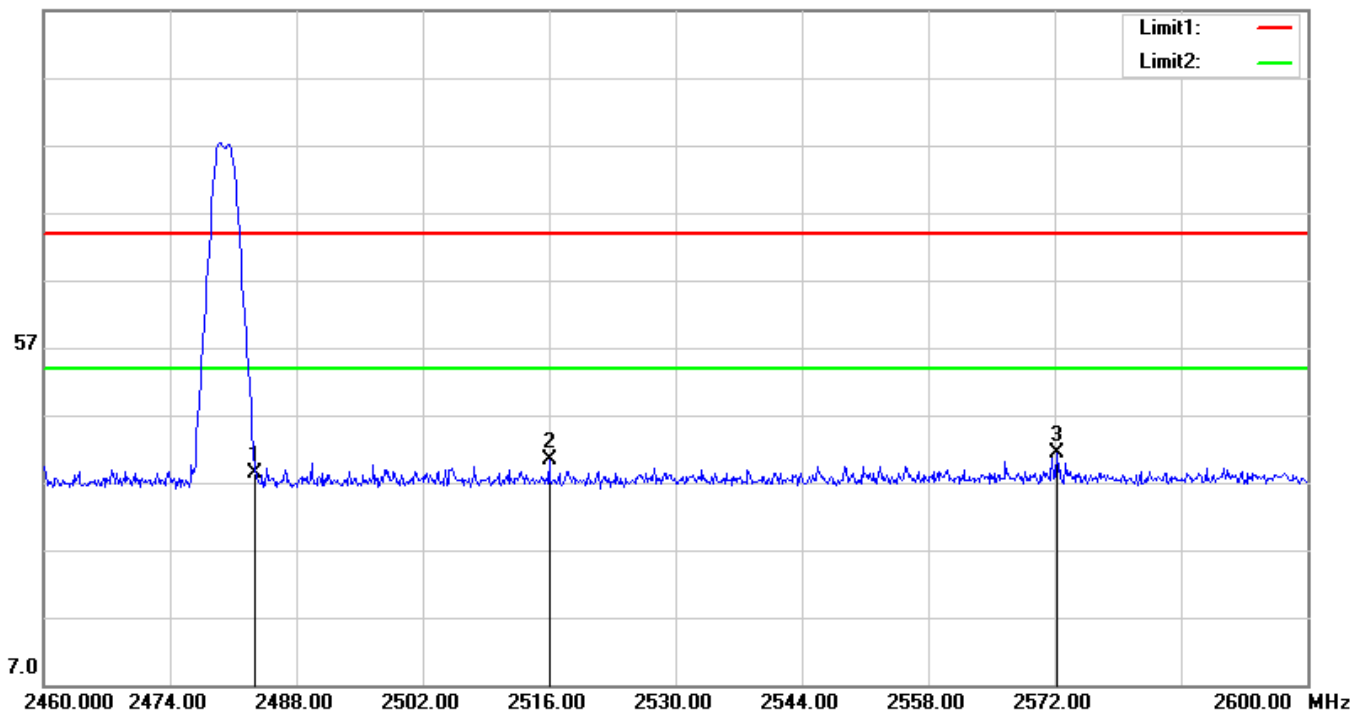


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.43	2.92	37.35	74.00	-36.65	200	0	peak
2	2525.240	37.65	3.00	40.65	74.00	-33.35	100	308	peak
3	2564.720	37.82	3.09	40.91	74.00	-33.09	100	285	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC53 Ble

Test Graph

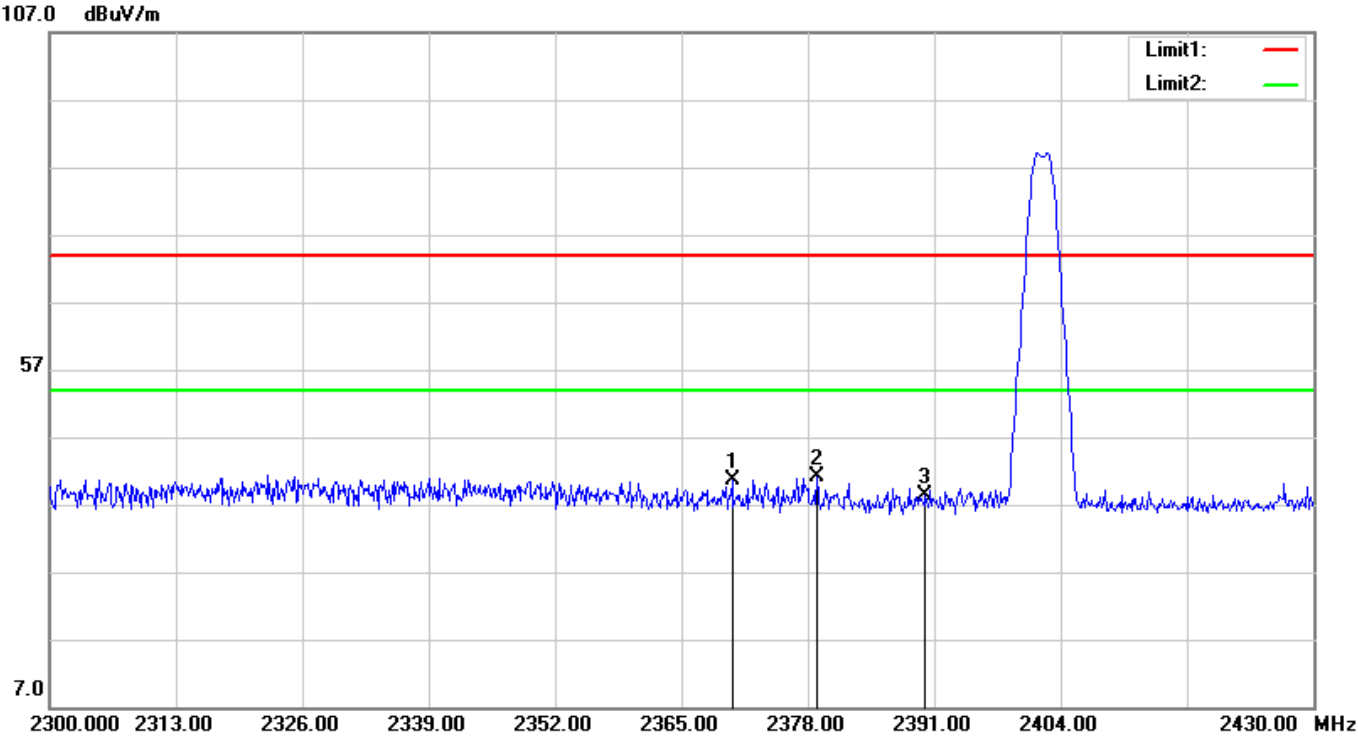
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.51	2.92	38.43	74.00	-35.57	100	130	peak
2	2516.000	37.38	2.98	40.36	74.00	-33.64	200	72	peak
3	2572.280	38.34	3.10	41.44	74.00	-32.56	100	0	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC52 Ble

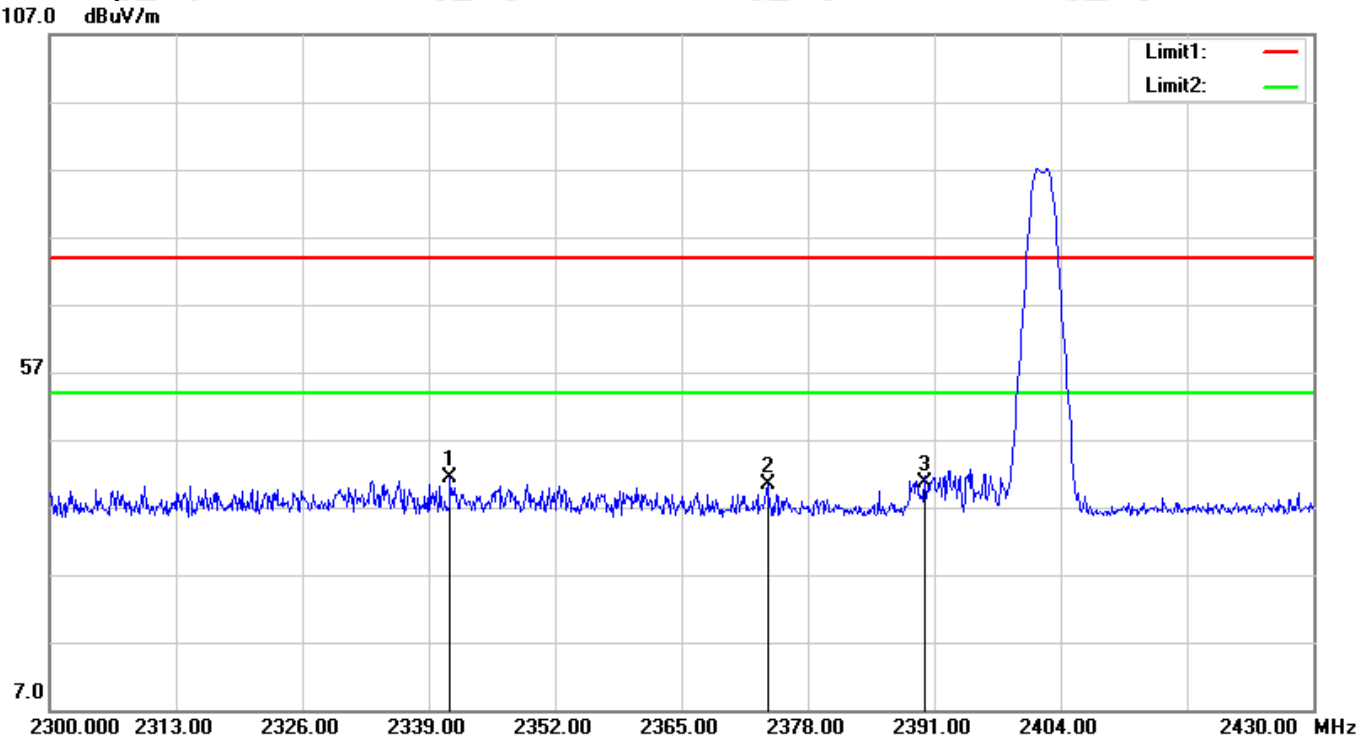
Test Graph



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2370.200	37.90	2.66	40.56	74.00	-33.44	100	322	peak
2	2378.910	38.52	2.68	41.20	74.00	-32.80	100	317	peak
3	2390.000	35.59	2.71	38.30	74.00	-35.70	100	0	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC52 Ble

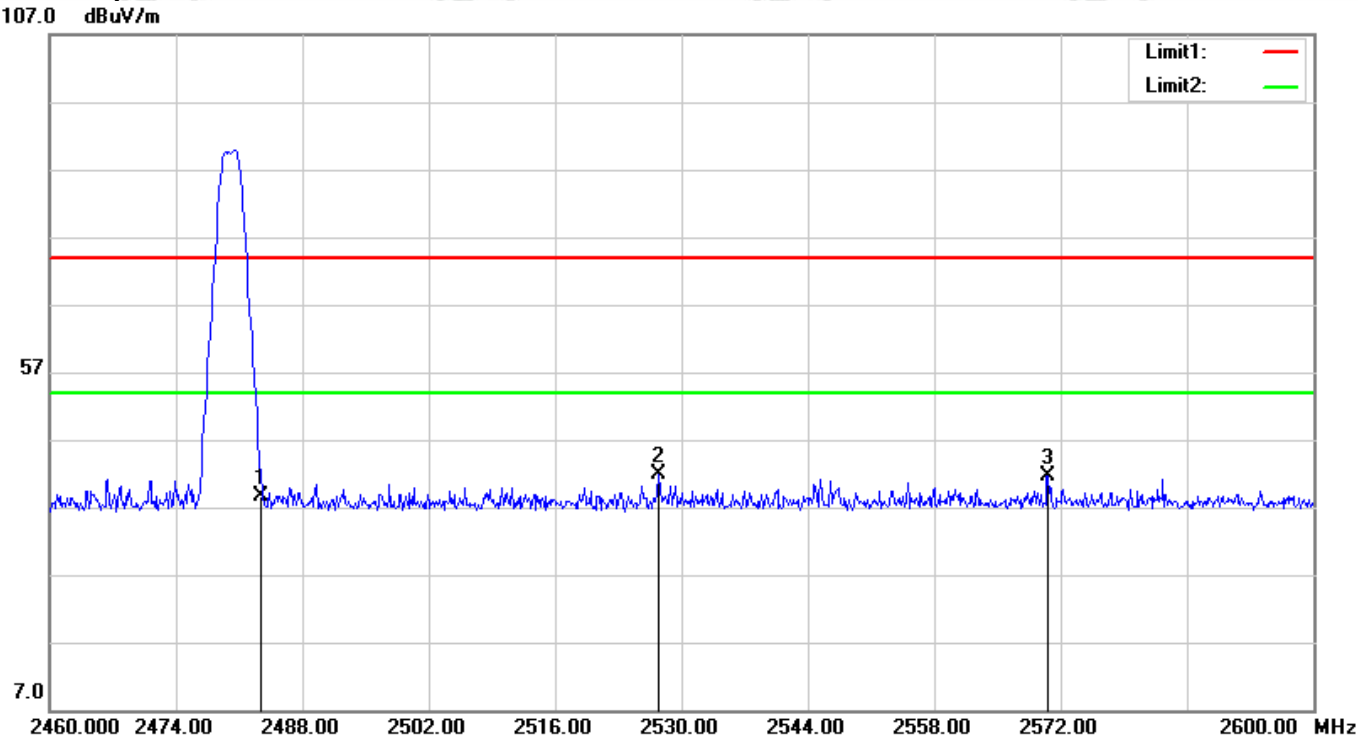
Test Graph



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2341.210	38.79	2.58	41.37	74.00	-32.63	100	101	peak
2	2373.840	37.60	2.67	40.27	74.00	-33.73	100	87	peak
3	2390.000	37.93	2.71	40.64	74.00	-33.36	200	347	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC52 Ble

Test Graph

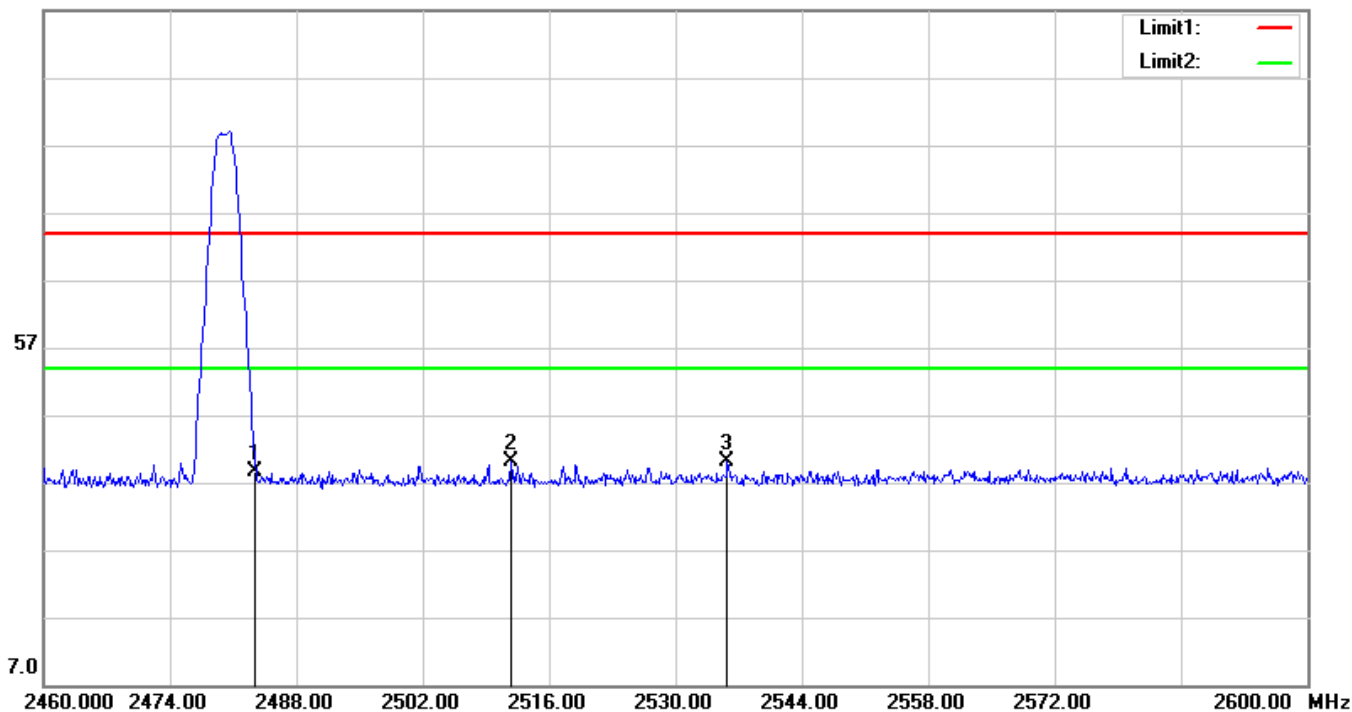


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.67	2.92	38.59	74.00	-35.41	200	322	peak
2	2527.480	38.96	3.01	41.97	74.00	-32.03	100	270	peak
3	2570.600	38.57	3.10	41.67	74.00	-32.33	200	273	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC52 Ble

Test Graph

107.0 dBuV/m

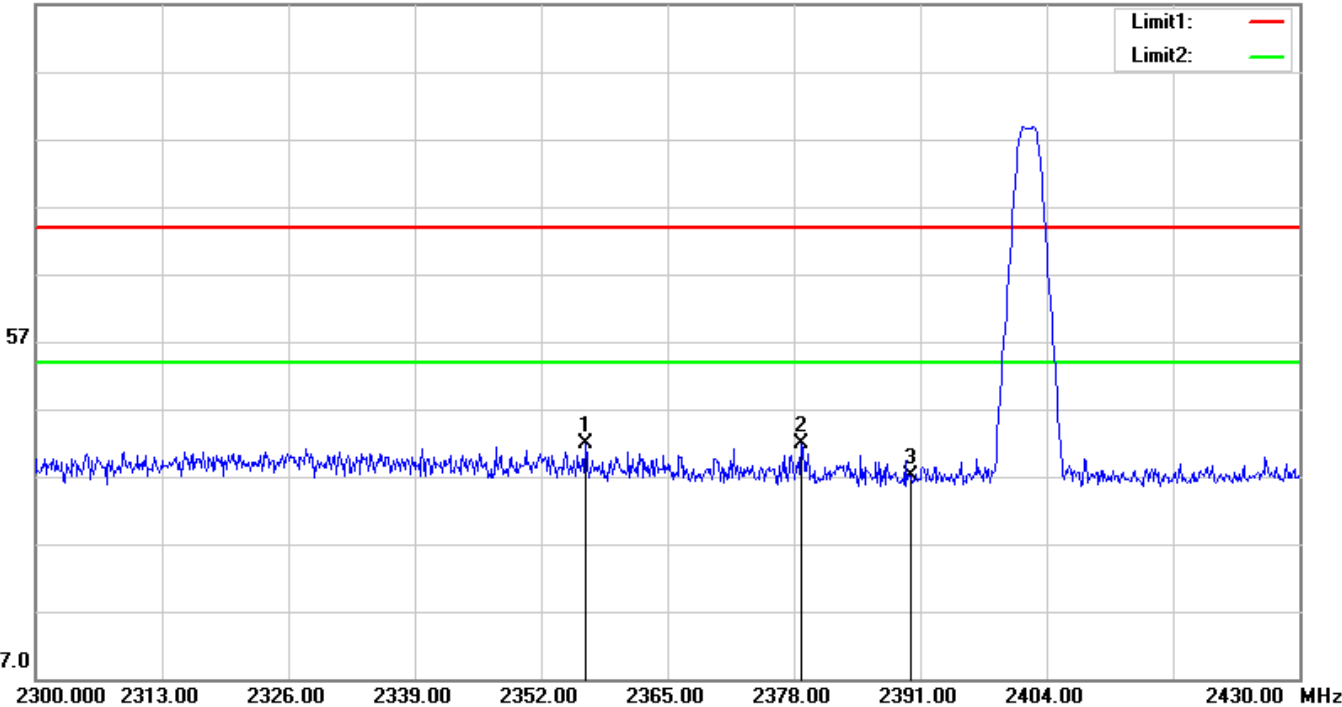


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.82	2.92	38.74	74.00	-35.26	100	83	peak
2	2511.800	37.07	2.97	40.04	74.00	-33.96	200	70	peak
3	2535.740	37.10	3.03	40.13	74.00	-33.87	200	75	peak

Report No. : EED39N80872501

Mode:	BLE_2M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC52 Ble

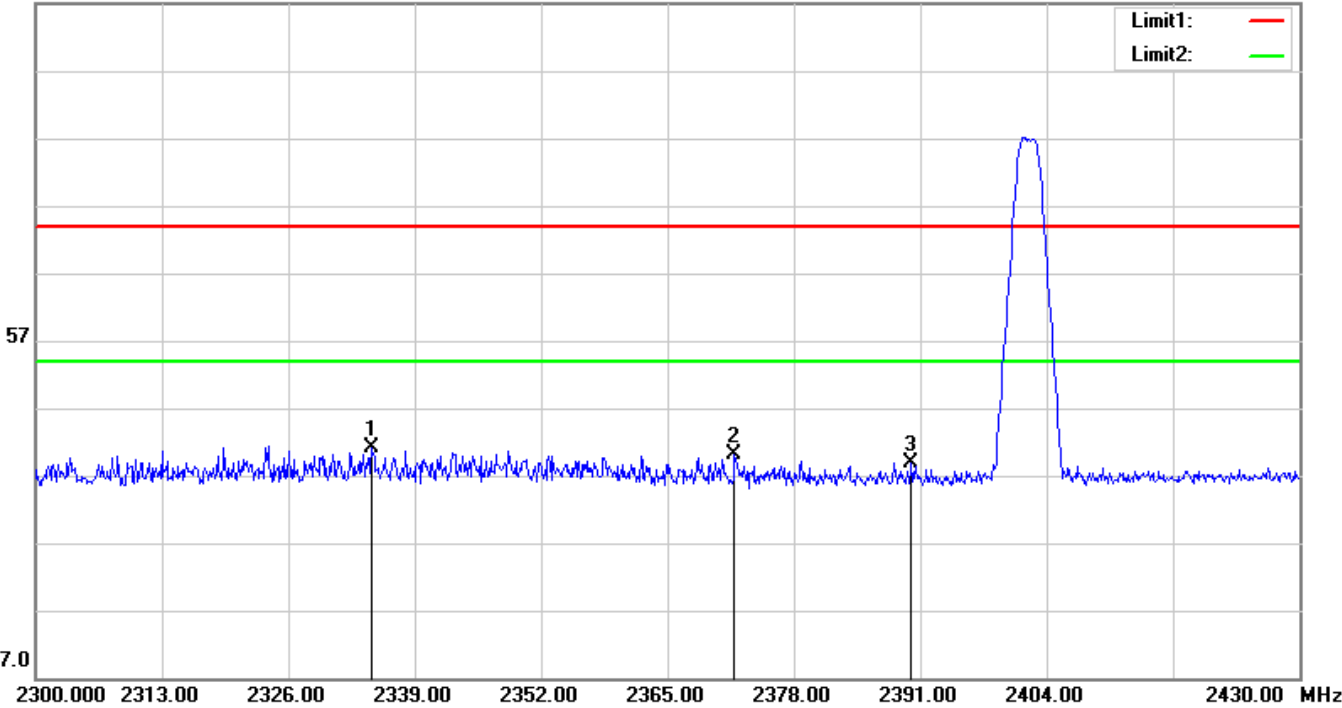
Test Graph
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2356.550	39.37	2.62	41.99	74.00	-32.01	100	360	peak
2	2378.780	39.24	2.68	41.92	74.00	-32.08	100	318	peak
3	2390.000	34.37	2.71	37.08	74.00	-36.92	163	360	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC52 Ble

Test Graph
107.0 dBuV/m

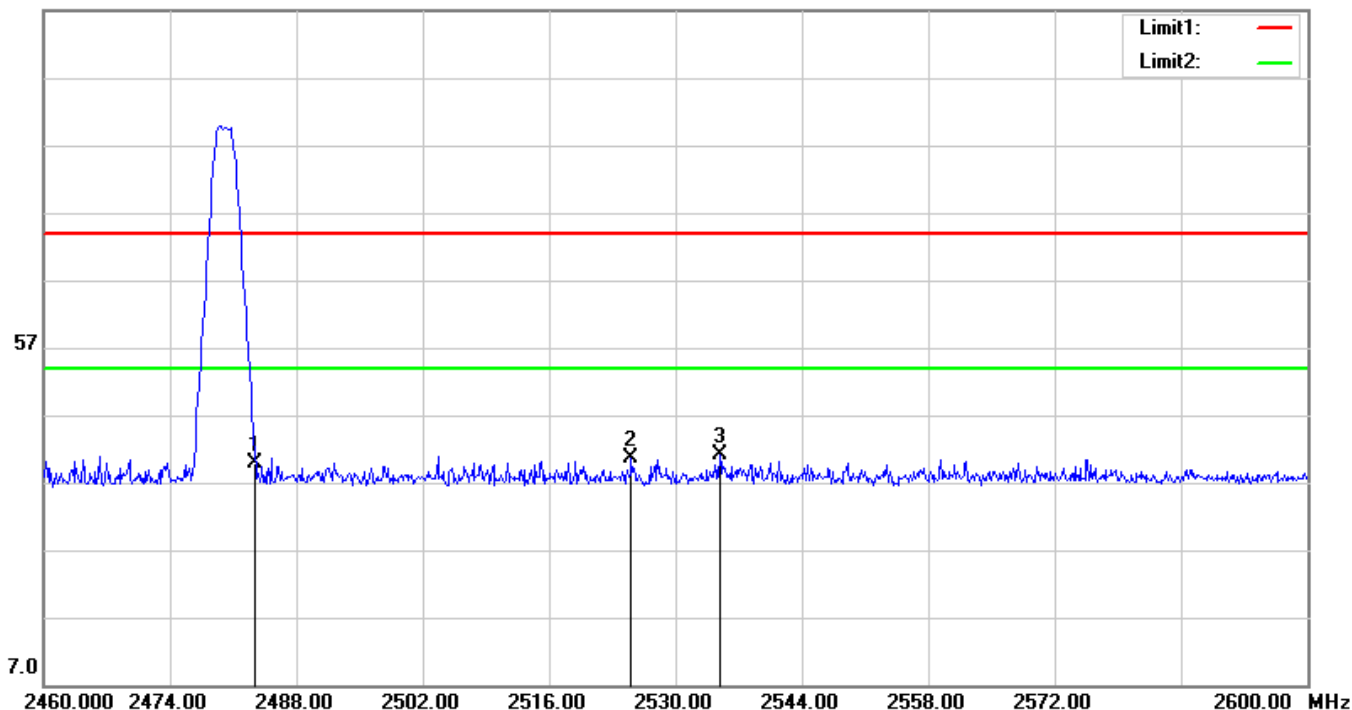


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2334.580	38.45	2.56	41.01	74.00	-32.99	100	101	peak
2	2371.890	37.45	2.66	40.11	74.00	-33.89	100	203	peak
3	2390.000	36.11	2.71	38.82	74.00	-35.18	100	196	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC52 Ble

Test Graph

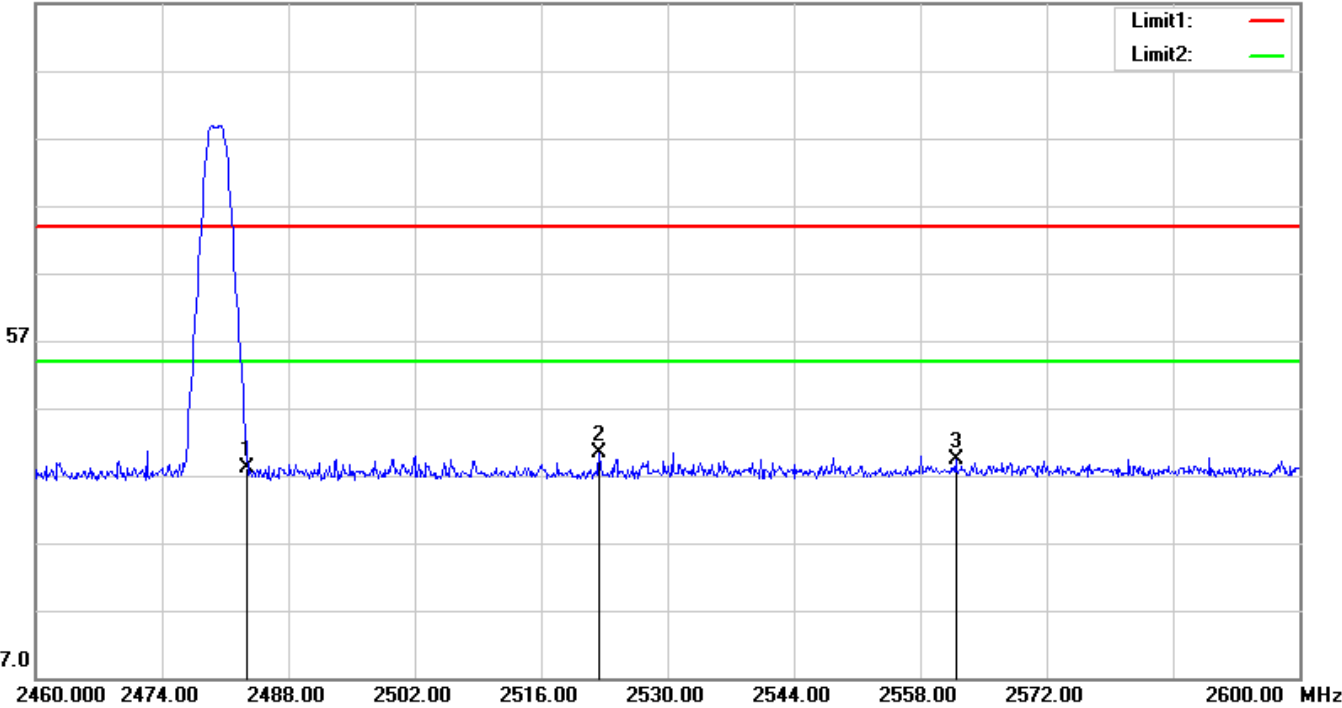
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	36.97	2.92	39.89	74.00	-34.11	200	307	peak
2	2525.100	37.72	3.00	40.72	74.00	-33.28	200	320	peak
3	2534.900	38.18	3.02	41.20	74.00	-32.80	100	267	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC52 Ble

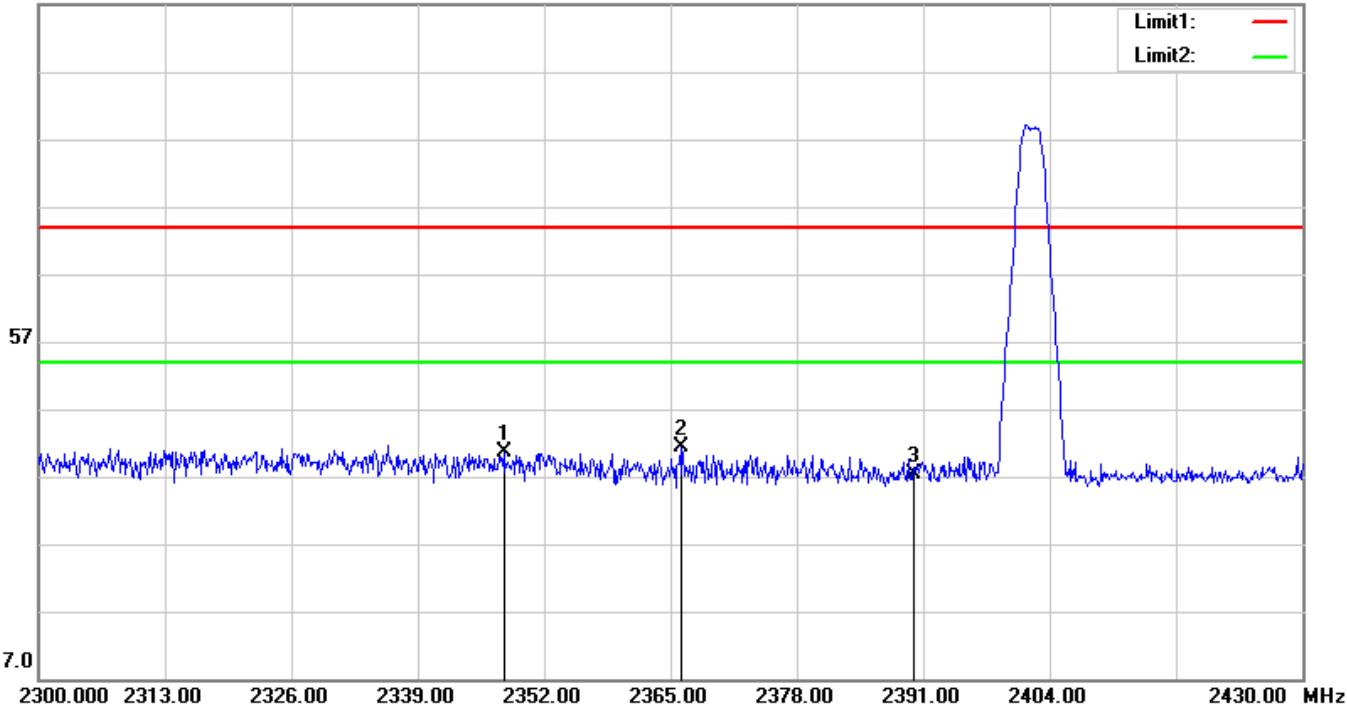
Test Graph
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.20	2.92	38.12	74.00	-35.88	100	79	peak
2	2522.440	37.30	3.00	40.30	74.00	-33.70	100	195	peak
3	2561.920	36.26	3.08	39.34	74.00	-34.66	200	76	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC52 Ble

Test Graph
107.0 dBuV/m

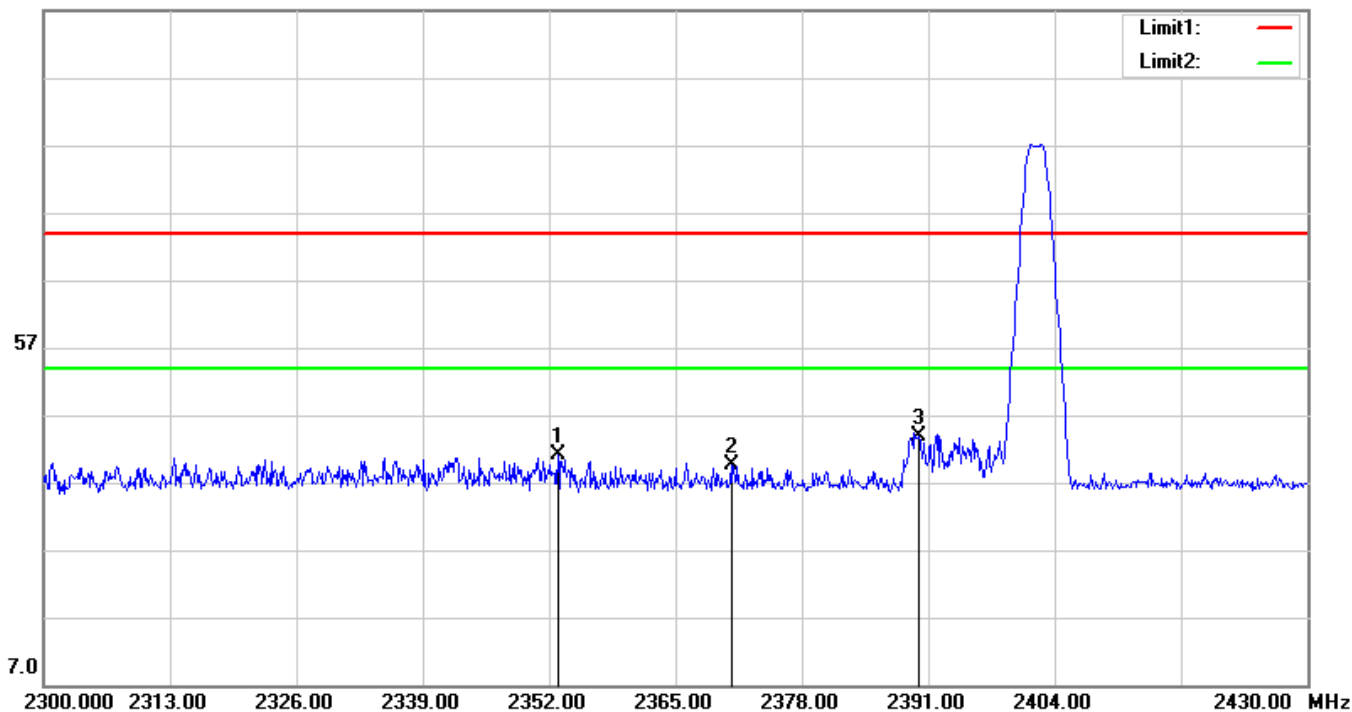


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2347.840	38.11	2.60	40.71	74.00	-33.29	100	315	peak
2	2366.040	38.65	2.65	41.30	74.00	-32.70	100	315	peak
3	2390.000	34.68	2.71	37.39	74.00	-36.61	200	46	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC52 Ble

Test Graph

107.0 dBuV/m

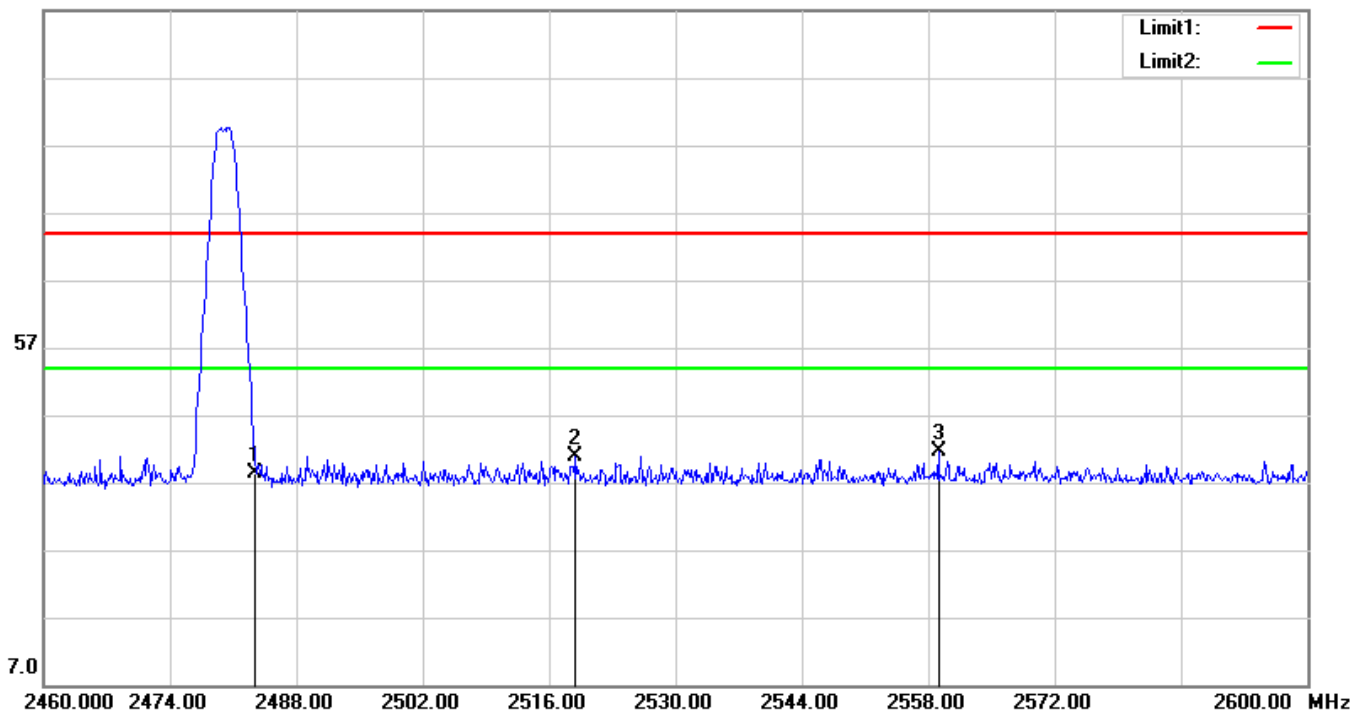


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2352.910	38.45	2.61	41.06	74.00	-32.94	100	103	peak
2	2370.720	36.86	2.66	39.52	74.00	-34.48	100	207	peak
3	2390.000	41.10	2.71	43.81	74.00	-30.19	120	360	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC52 Ble

Test Graph

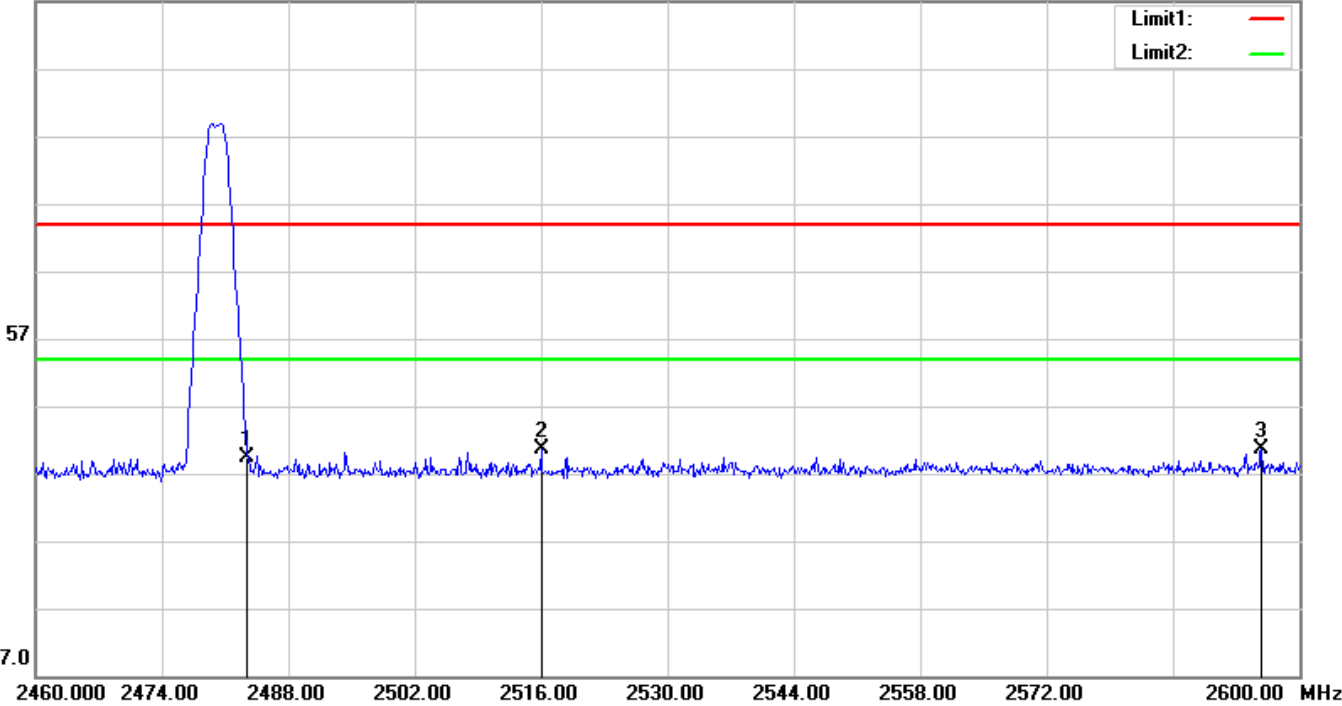
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.44	2.92	38.36	74.00	-35.64	200	279	peak
2	2518.940	37.78	2.99	40.77	74.00	-33.23	100	305	peak
3	2559.120	38.52	3.07	41.59	74.00	-32.41	100	280	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC52 Ble

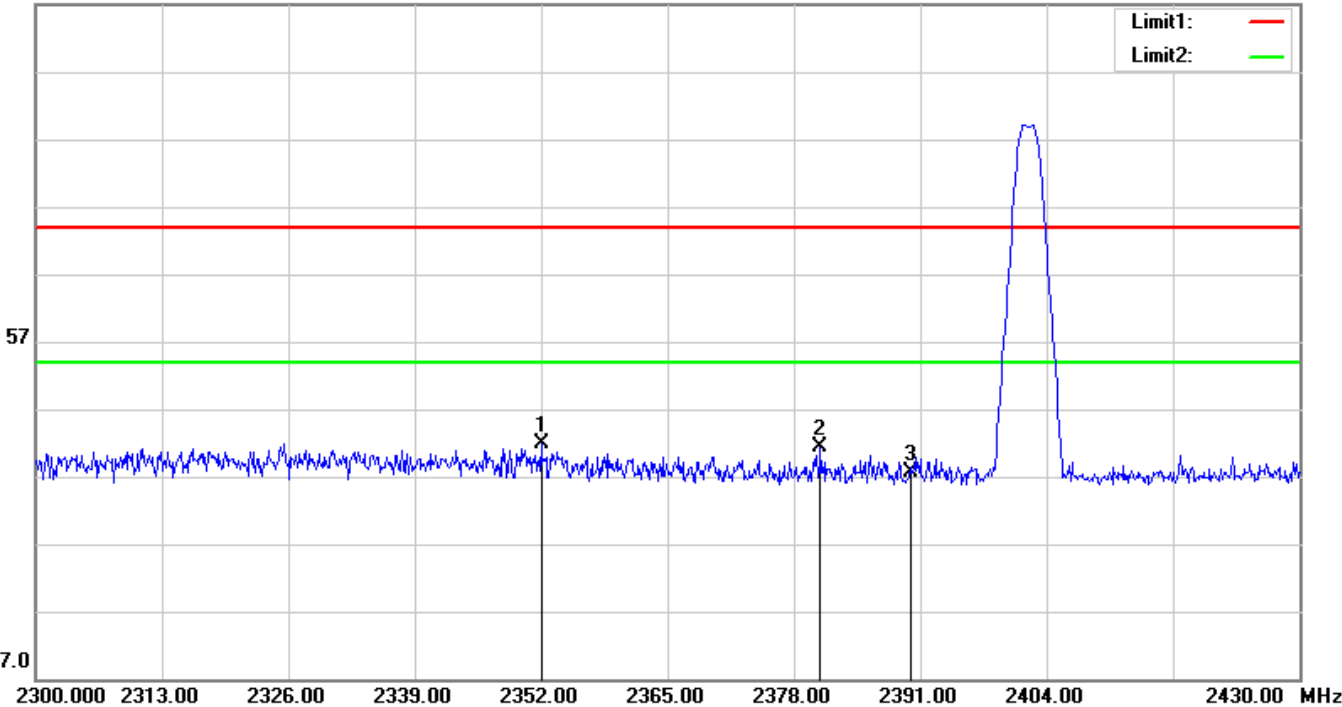
Test Graph
107.0 dBuV/m



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	36.53	2.92	39.45	74.00	-34.55	200	79	peak
2	2516.000	37.60	2.98	40.58	74.00	-33.42	200	77	peak
3	2595.800	37.46	3.15	40.61	74.00	-33.39	200	69	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC52 Ble

Test Graph
107.0 dBuV/m

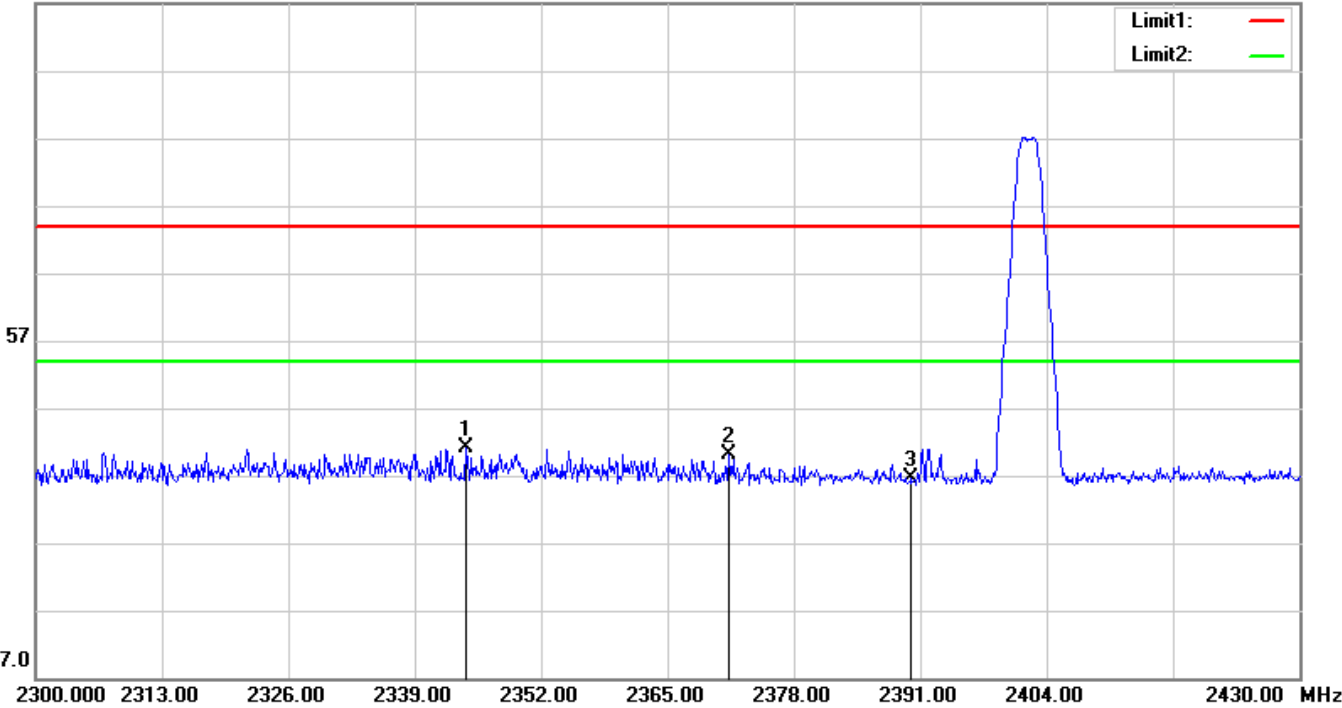


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2352.000	39.19	2.61	41.80	74.00	-32.20	166	360	peak
2	2380.730	38.67	2.69	41.36	74.00	-32.64	100	316	peak
3	2390.000	34.83	2.71	37.54	74.00	-36.46	200	267	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC52 Ble

Test Graph

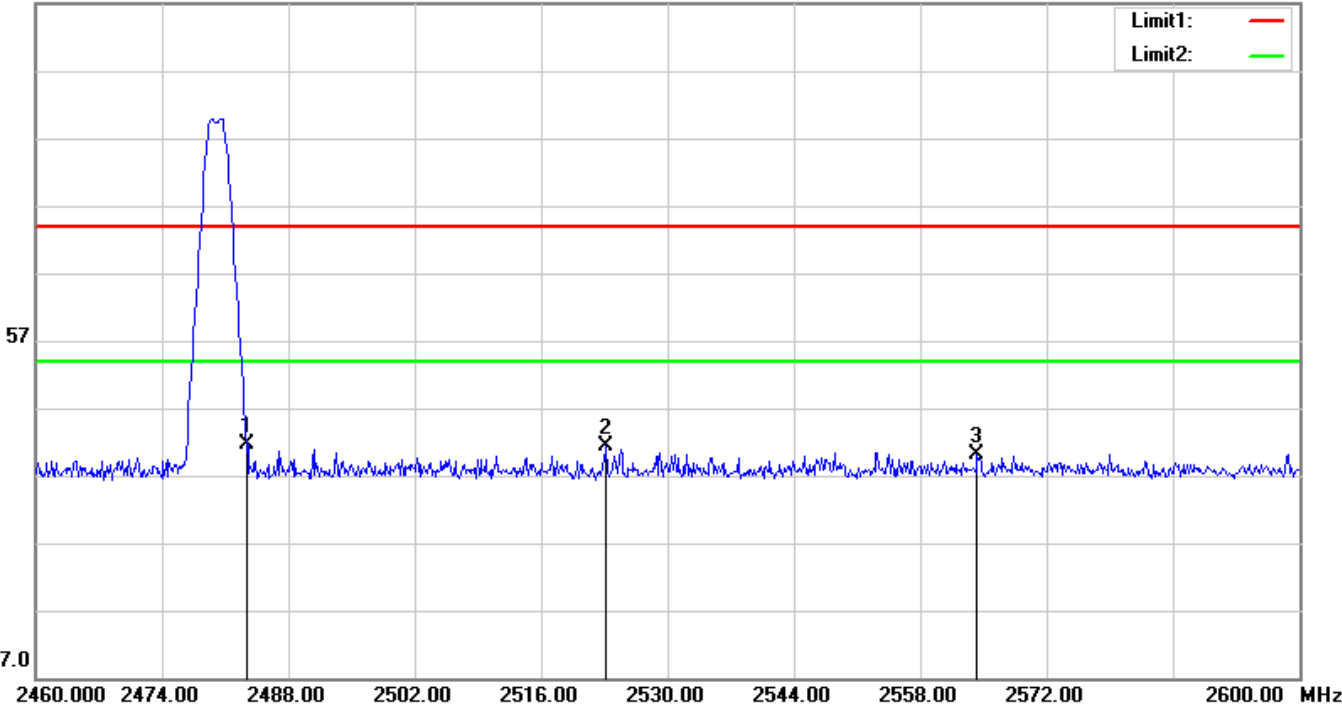
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2344.200	38.57	2.59	41.16	74.00	-32.84	100	110	peak
2	2371.370	37.48	2.66	40.14	74.00	-33.86	100	210	peak
3	2390.000	33.88	2.71	36.59	74.00	-37.41	100	212	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC52 Ble

Test Graph
107.0 dBuV/m

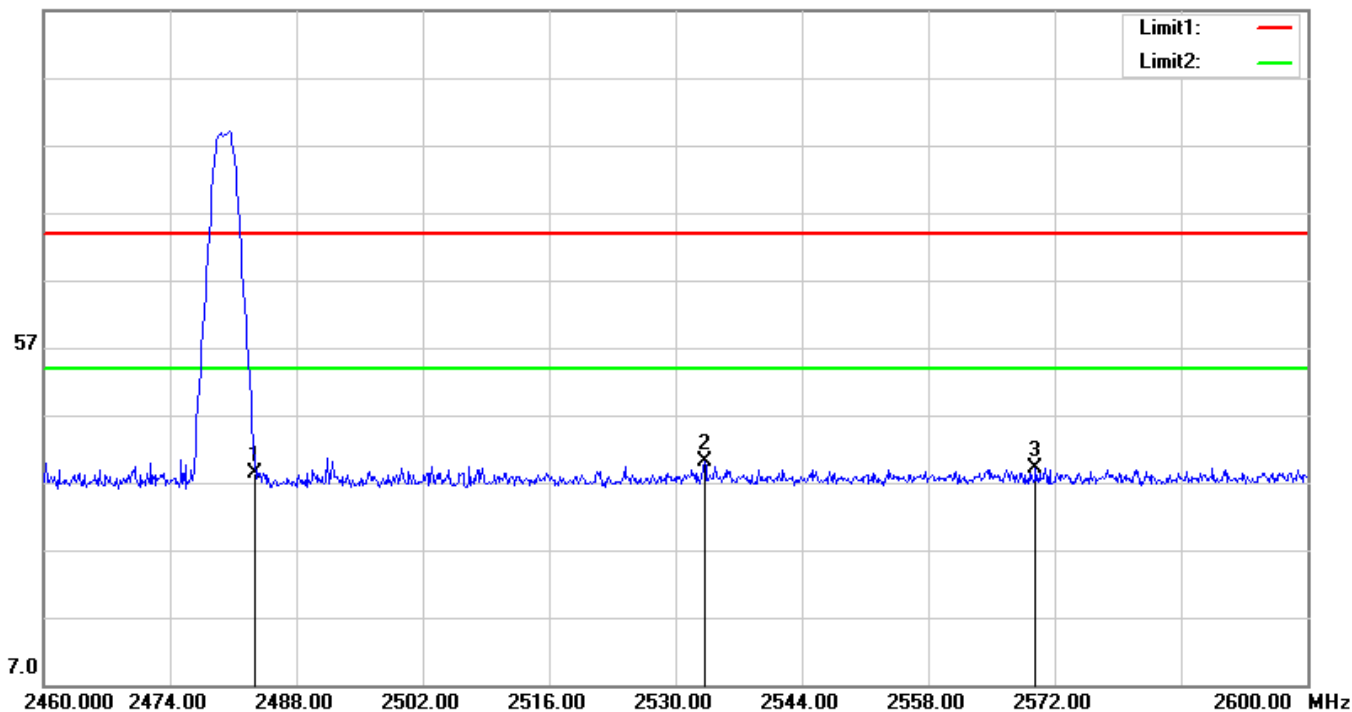


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	38.74	2.92	41.66	74.00	-32.34	100	279	peak
2	2523.140	38.27	3.00	41.27	74.00	-32.73	100	307	peak
3	2564.300	37.06	3.09	40.15	74.00	-33.85	100	267	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC52 Ble

Test Graph

107.0 dBuV/m

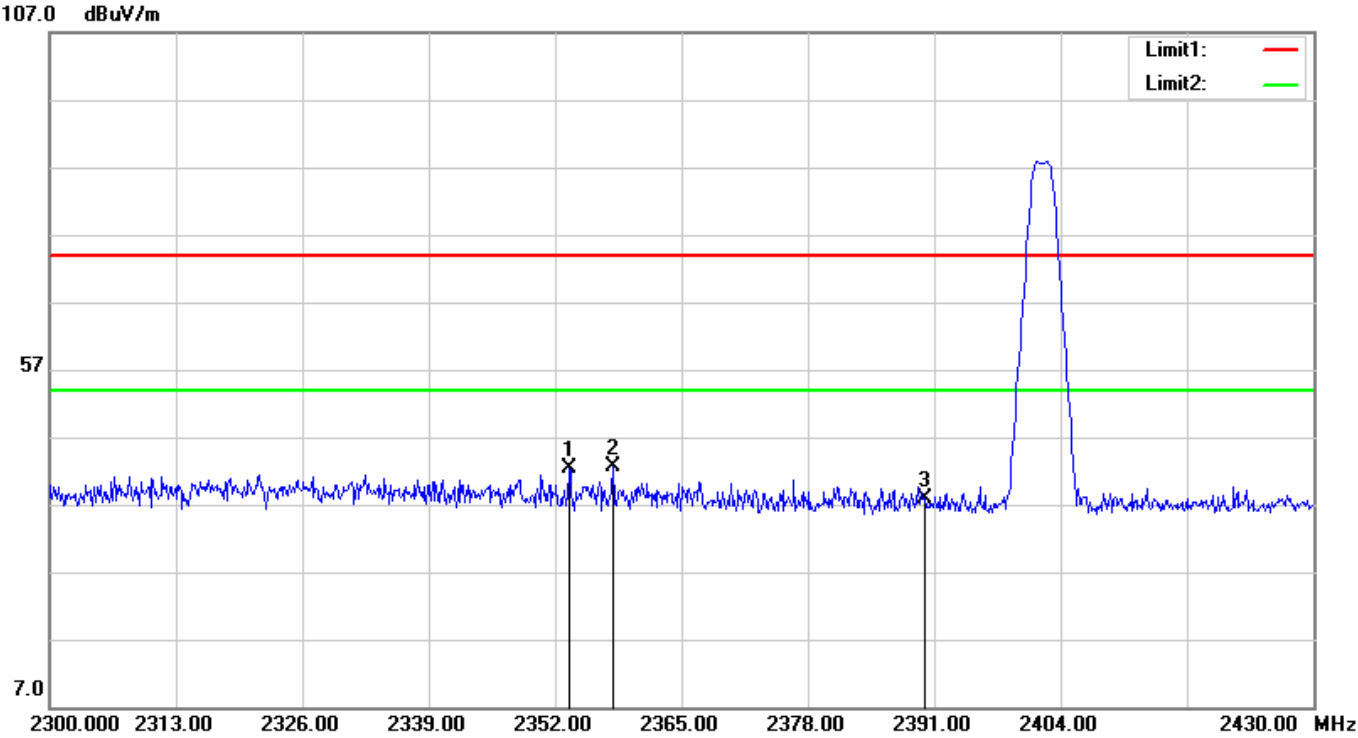


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.37	2.92	38.29	74.00	-35.71	100	355	peak
2	2533.220	37.01	3.02	40.03	74.00	-33.97	100	75	peak
3	2569.900	36.09	3.10	39.19	74.00	-34.81	200	67	peak

Report No. : EED39N80872501

Mode:	BLE_1M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC25C

Test Graph

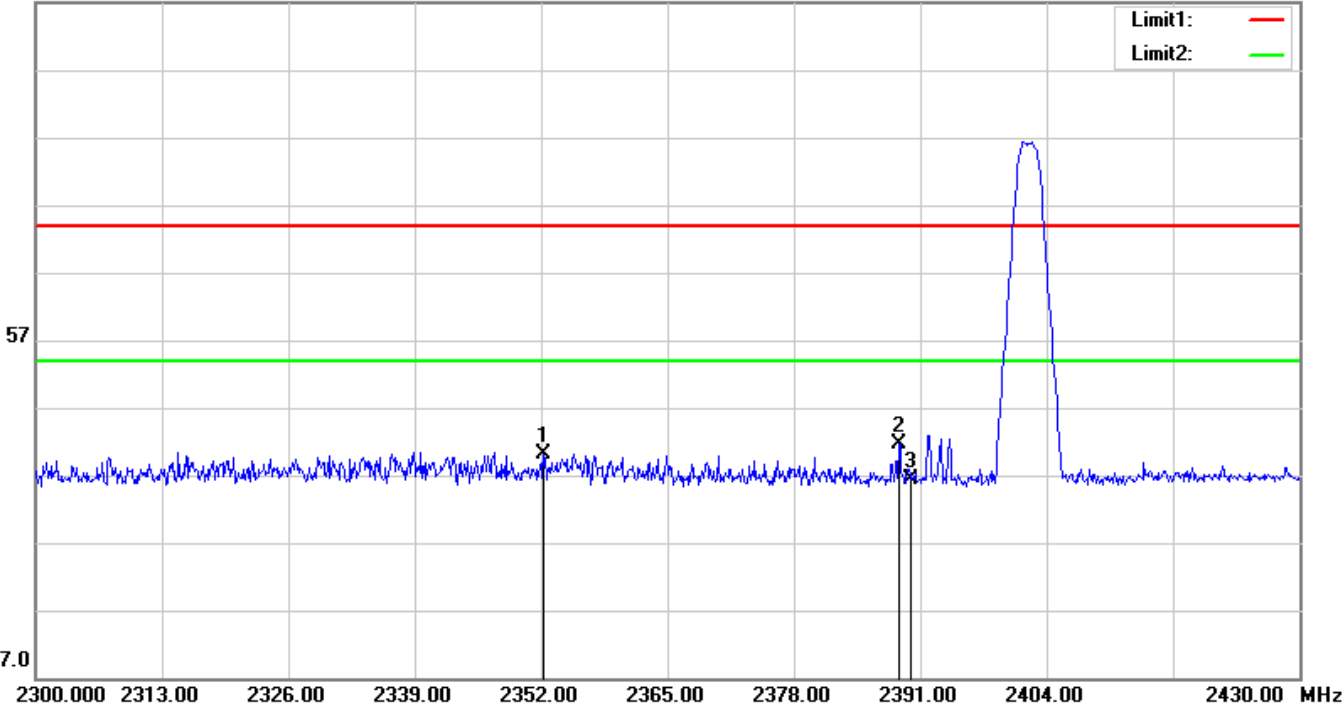


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2353.430	39.75	2.61	42.36	74.00	-31.64	200	313	peak
2	2357.980	40.04	2.63	42.67	74.00	-31.33	100	315	peak
3	2390.000	35.11	2.71	37.82	74.00	-36.18	100	268	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC25C

Test Graph

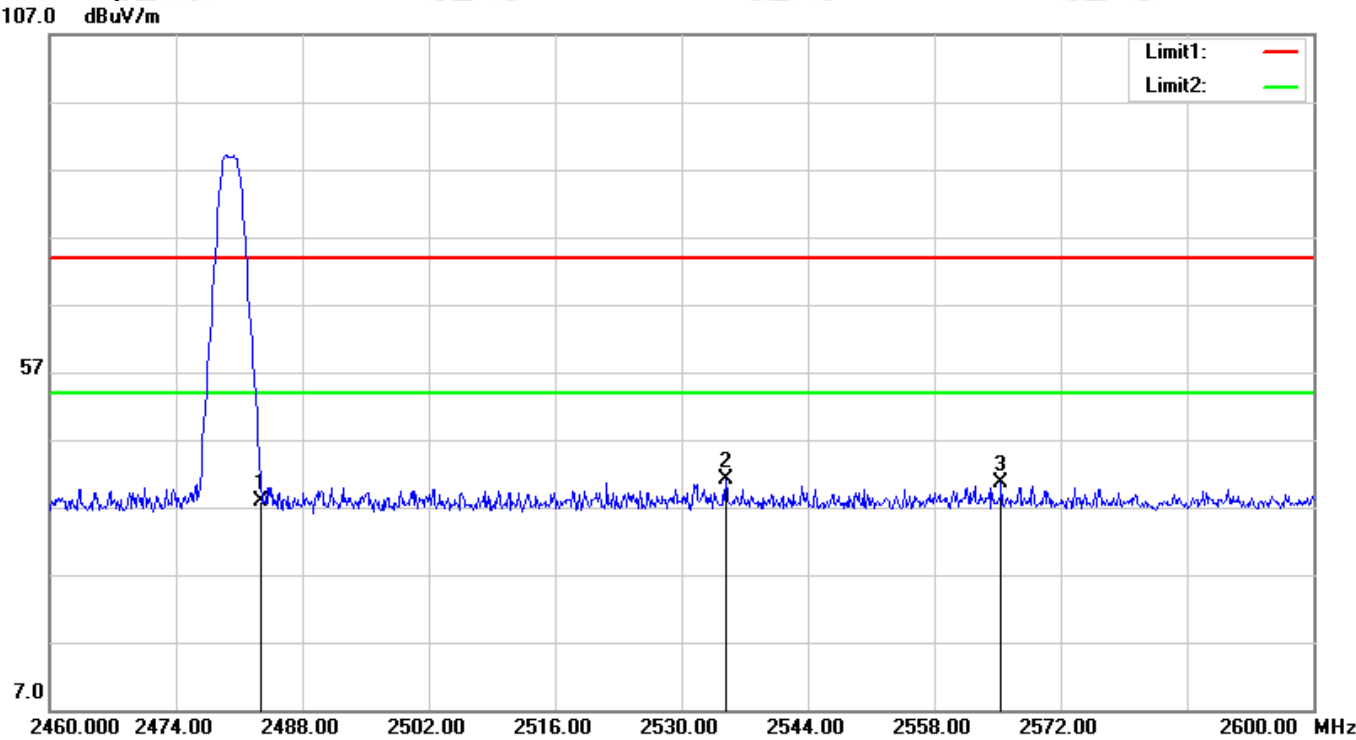
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2352.260	37.61	2.61	40.22	74.00	-33.78	100	105	peak
2	2388.790	38.87	2.71	41.58	74.00	-32.42	157	0	peak
3	2390.000	33.59	2.71	36.30	74.00	-37.70	200	45	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC25C

Test Graph

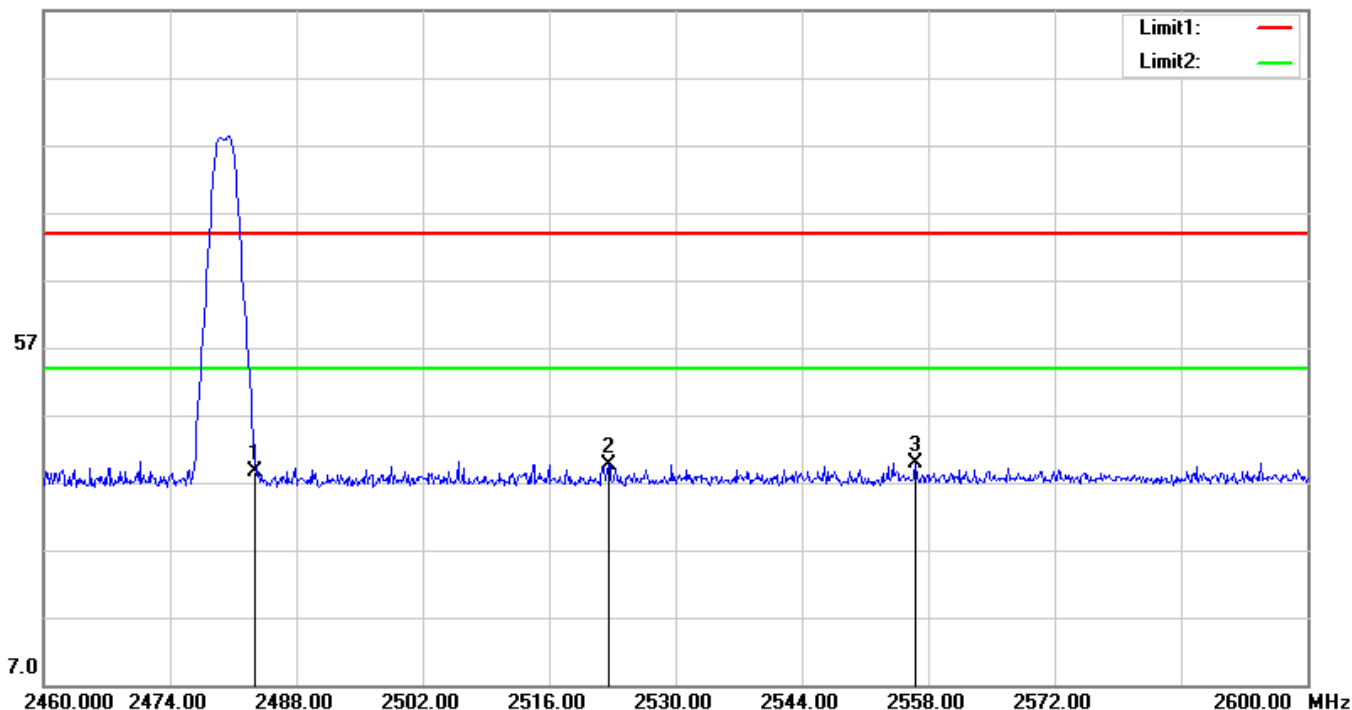


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.90	2.92	37.82	74.00	-36.18	200	0	peak
2	2534.900	38.11	3.02	41.13	74.00	-32.87	200	260	peak
3	2565.420	37.42	3.09	40.51	74.00	-33.49	100	316	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC25C

Test Graph

107.0 dBuV/m



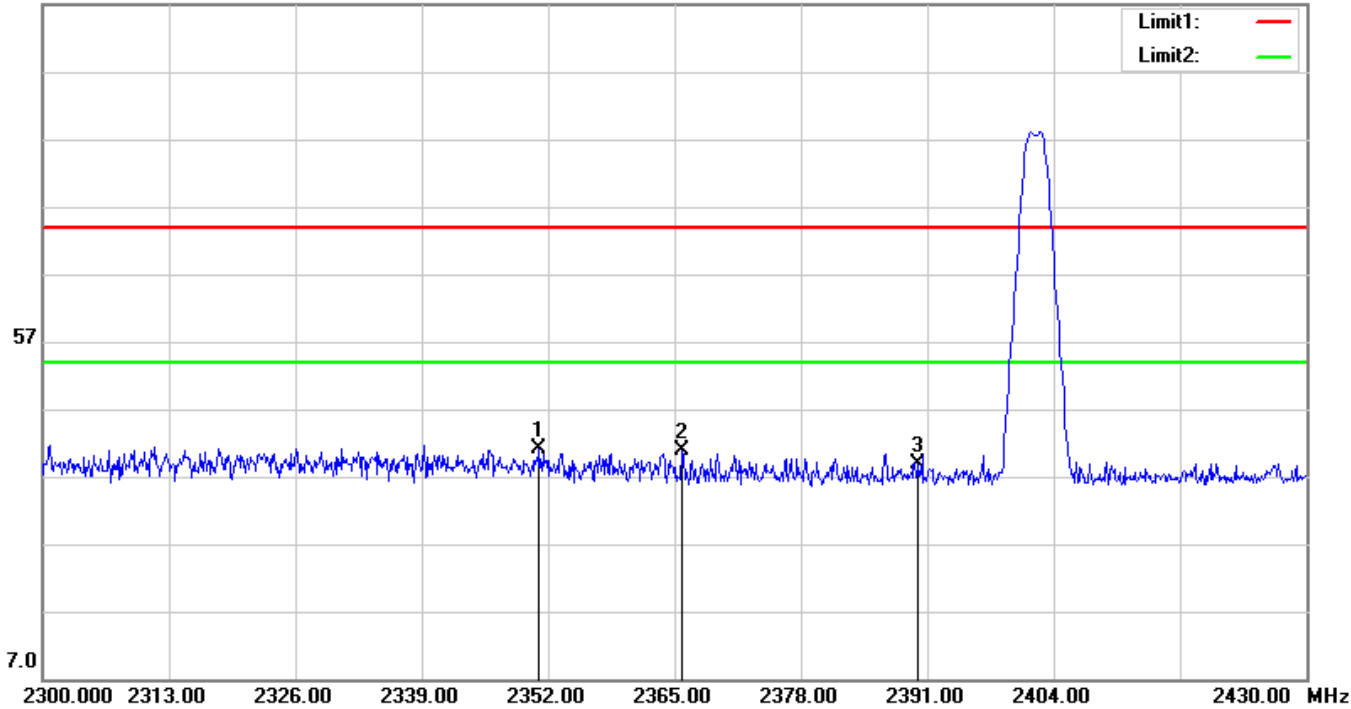
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.73	2.92	38.65	74.00	-35.35	100	81	peak
2	2522.580	36.59	3.00	39.59	74.00	-34.41	100	122	peak
3	2556.600	36.93	3.07	40.00	74.00	-34.00	100	122	peak

Report No. : EED39N80872501

Mode:	BLE_2M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC25C

Test Graph

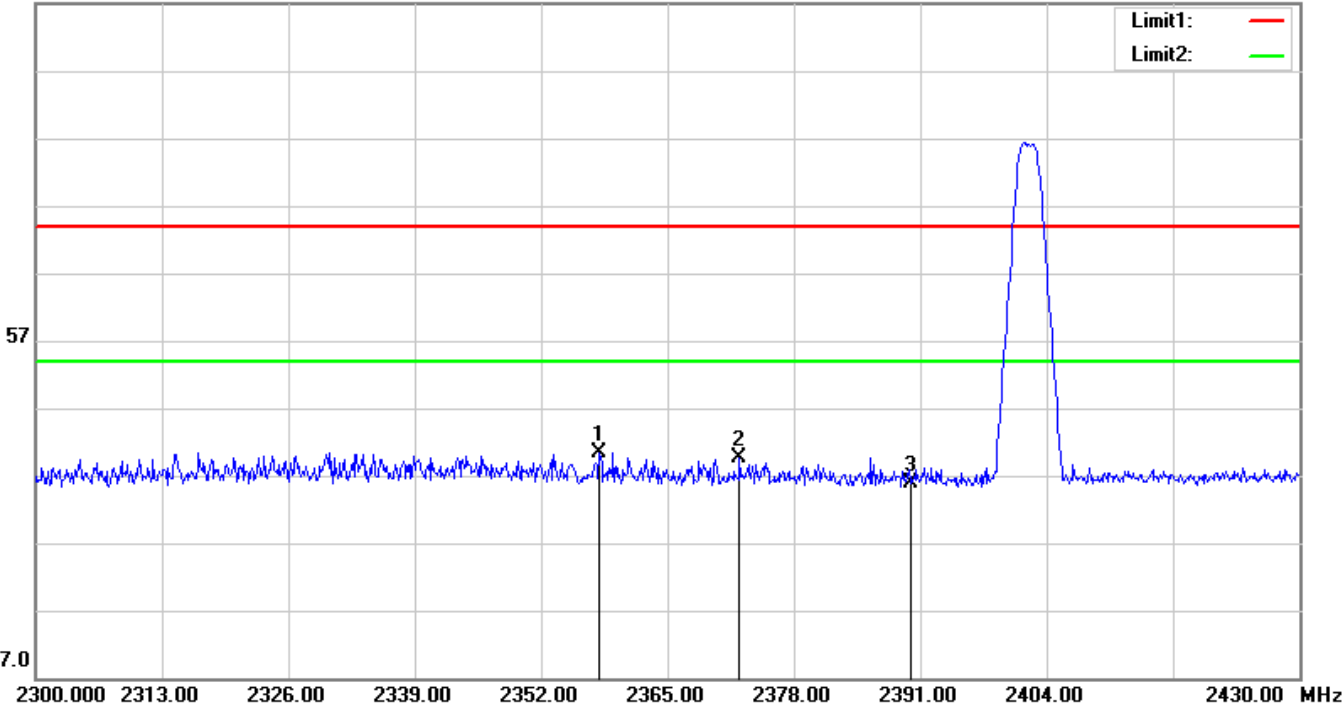
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2351.090	38.44	2.61	41.05	74.00	-32.95	100	317	peak
2	2365.780	38.22	2.65	40.87	74.00	-33.13	100	317	peak
3	2390.000	36.11	2.71	38.82	74.00	-35.18	100	314	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Vertical	Test model No.:	HJC25C

Test Graph
107.0 dBuV/m

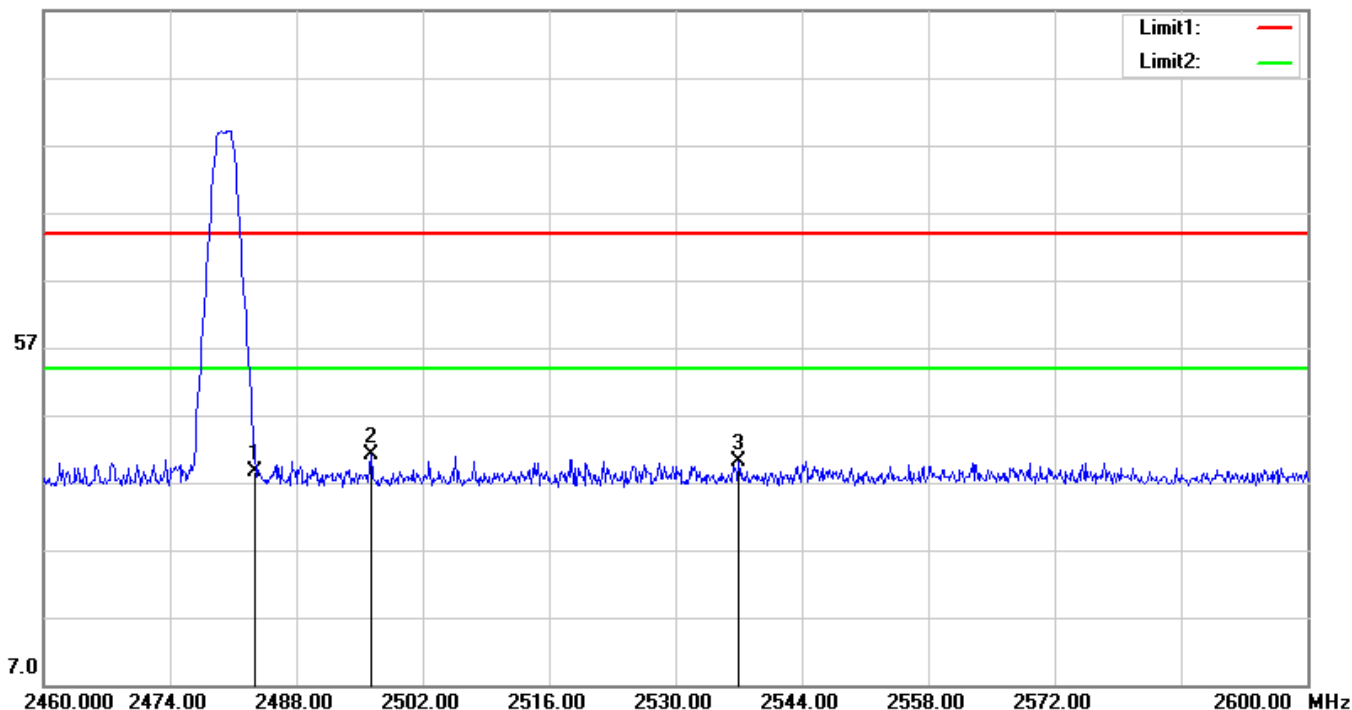


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2357.980	37.67	2.63	40.30	74.00	-33.70	100	95	peak
2	2372.410	36.89	2.67	39.56	74.00	-34.44	200	217	peak
3	2390.000	33.23	2.71	35.94	74.00	-38.06	164	0	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC25C

Test Graph

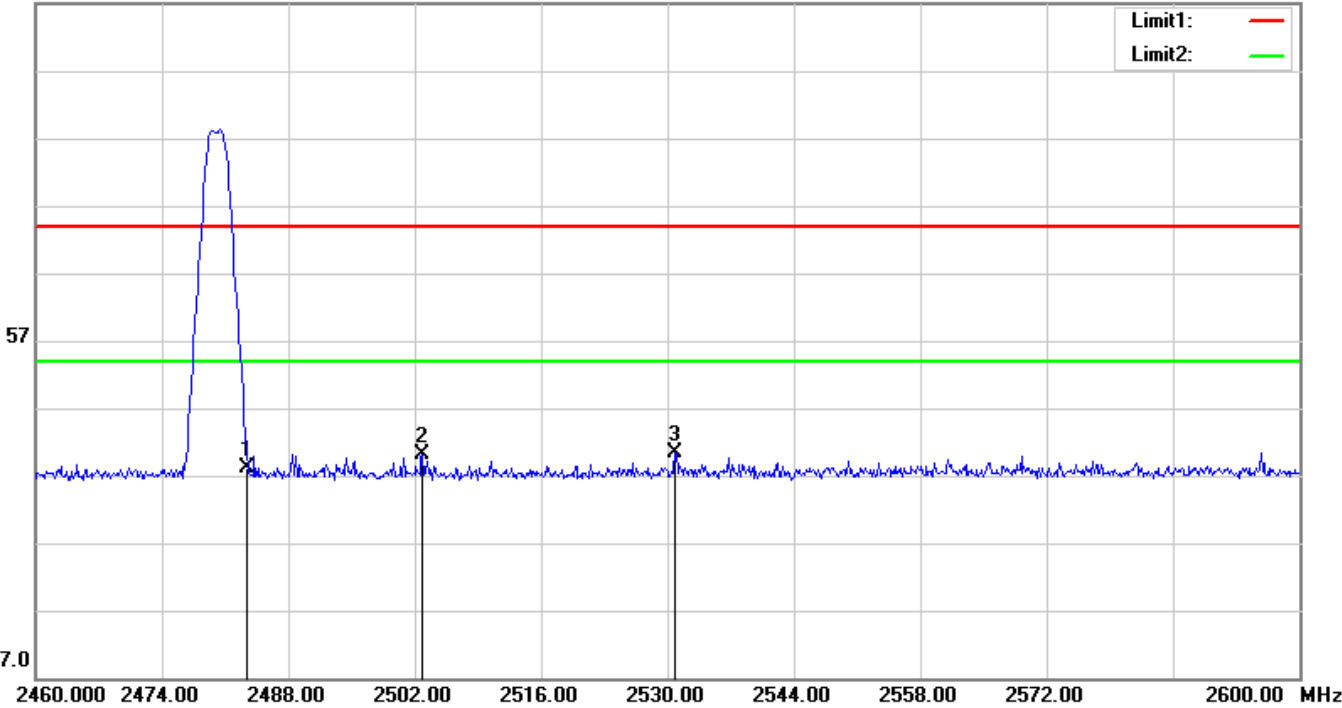
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.64	2.92	38.56	74.00	-35.44	200	266	peak
2	2496.260	38.15	2.94	41.09	74.00	-32.91	100	262	peak
3	2537.000	37.11	3.03	40.14	74.00	-33.86	200	259	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Vertical	Test model No.:	HJC25C

Test Graph
107.0 dBuV/m

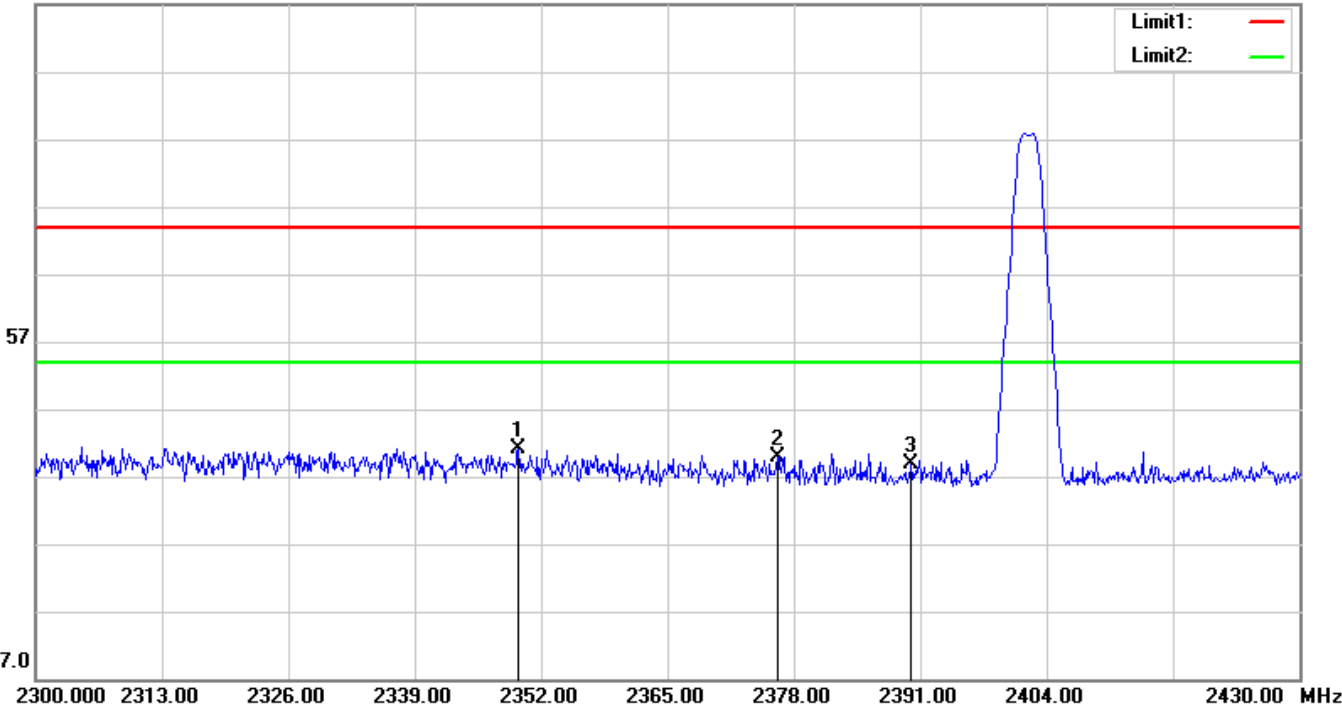


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	35.17	2.92	38.09	74.00	-35.91	200	77	peak
2	2502.840	37.05	2.96	40.01	74.00	-33.99	200	70	peak
3	2530.840	37.36	3.01	40.37	74.00	-33.63	200	80	peak

Report No. : EED39N80872501

Mode:	BLE_125kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC25C

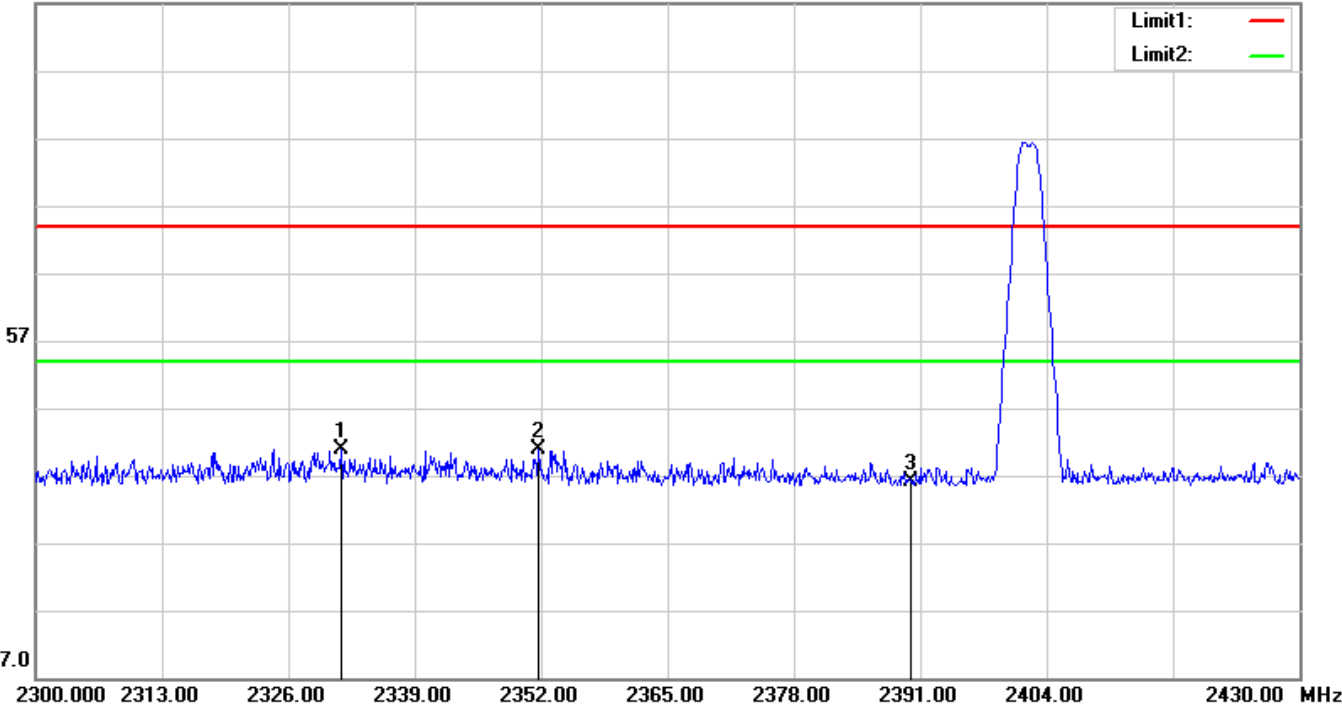
Test Graph
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2349.660	38.52	2.60	41.12	74.00	-32.88	100	0	peak
2	2376.310	37.25	2.68	39.93	74.00	-34.07	100	316	peak
3	2390.000	36.12	2.71	38.83	74.00	-35.17	200	317	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC25C

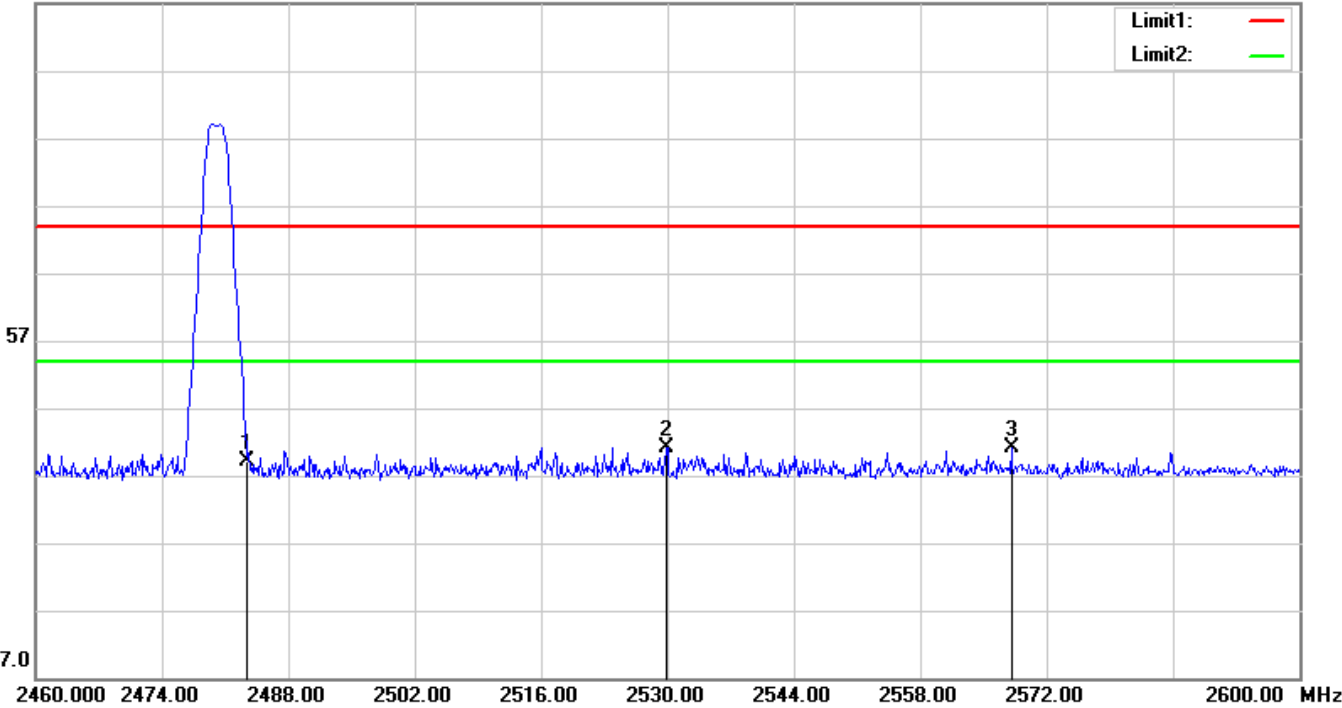
Test Graph
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2331.460	38.28	2.55	40.83	74.00	-33.17	100	202	peak
2	2351.740	38.27	2.61	40.88	74.00	-33.12	100	105	peak
3	2390.000	33.50	2.71	36.21	74.00	-37.79	162	0	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC25C

Test Graph
107.0 dBuV/m

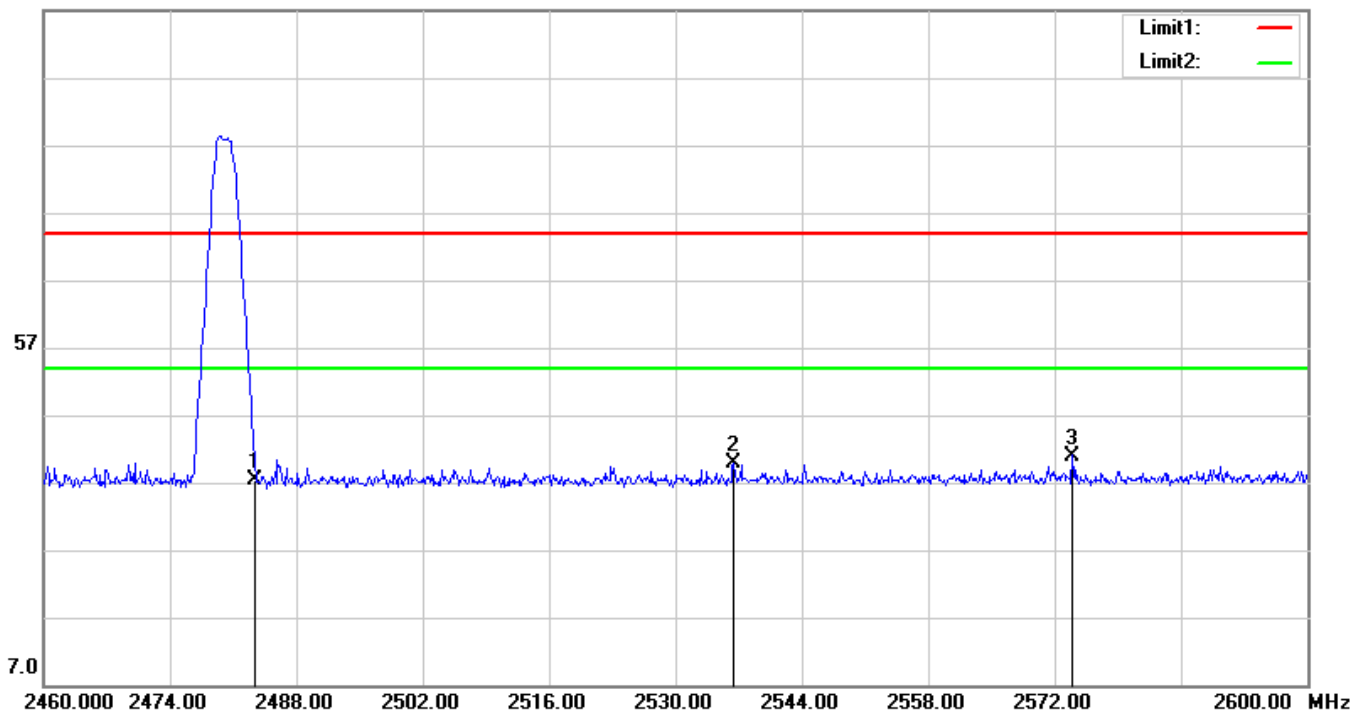


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	36.30	2.92	39.22	74.00	-34.78	160	360	peak
2	2529.860	38.15	3.01	41.16	74.00	-32.84	100	268	peak
3	2568.080	38.15	3.09	41.24	74.00	-32.76	100	283	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC25C

Test Graph

107.0 dBuV/m

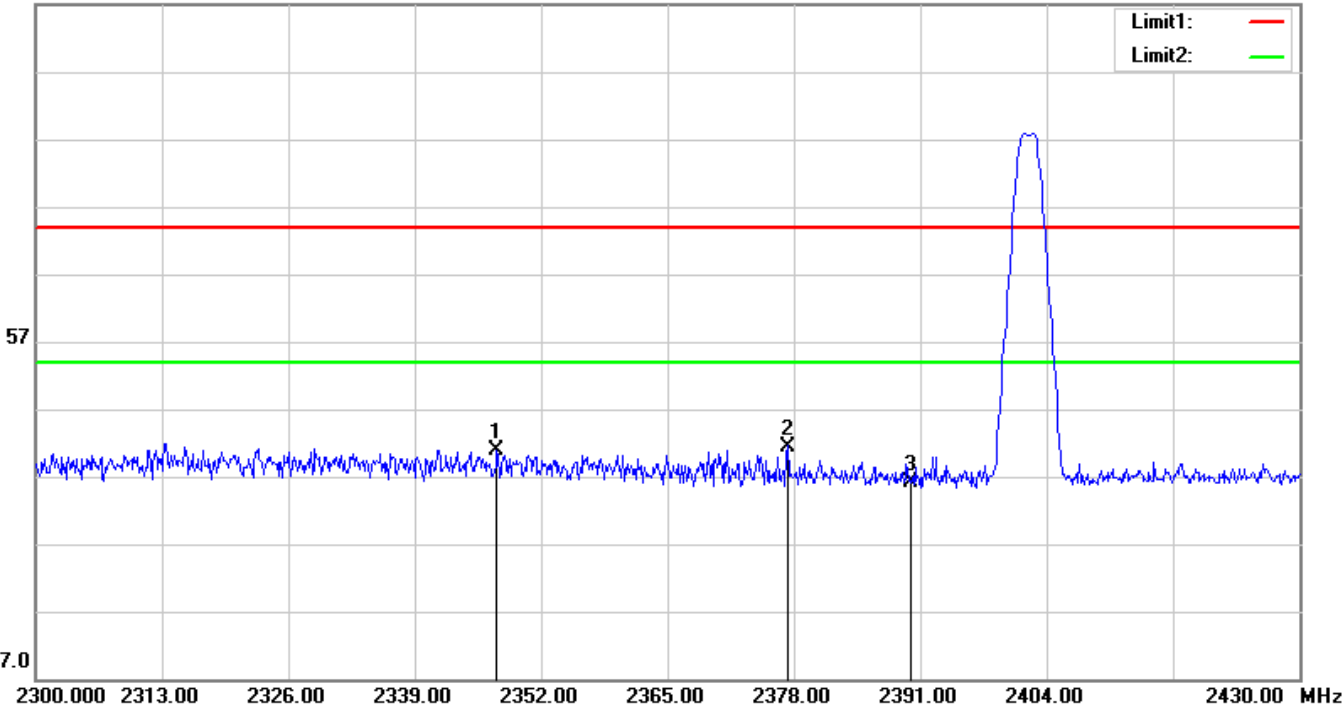


No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2483.500	34.54	2.92	37.46	74.00	-36.54	100	78	peak
2	2536.440	36.80	3.03	39.83	74.00	-34.17	100	122	peak
3	2573.960	37.89	3.11	41.00	74.00	-33.00	200	75	peak

Report No. : EED39N80872501

Mode:	BLE_500kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJC25C

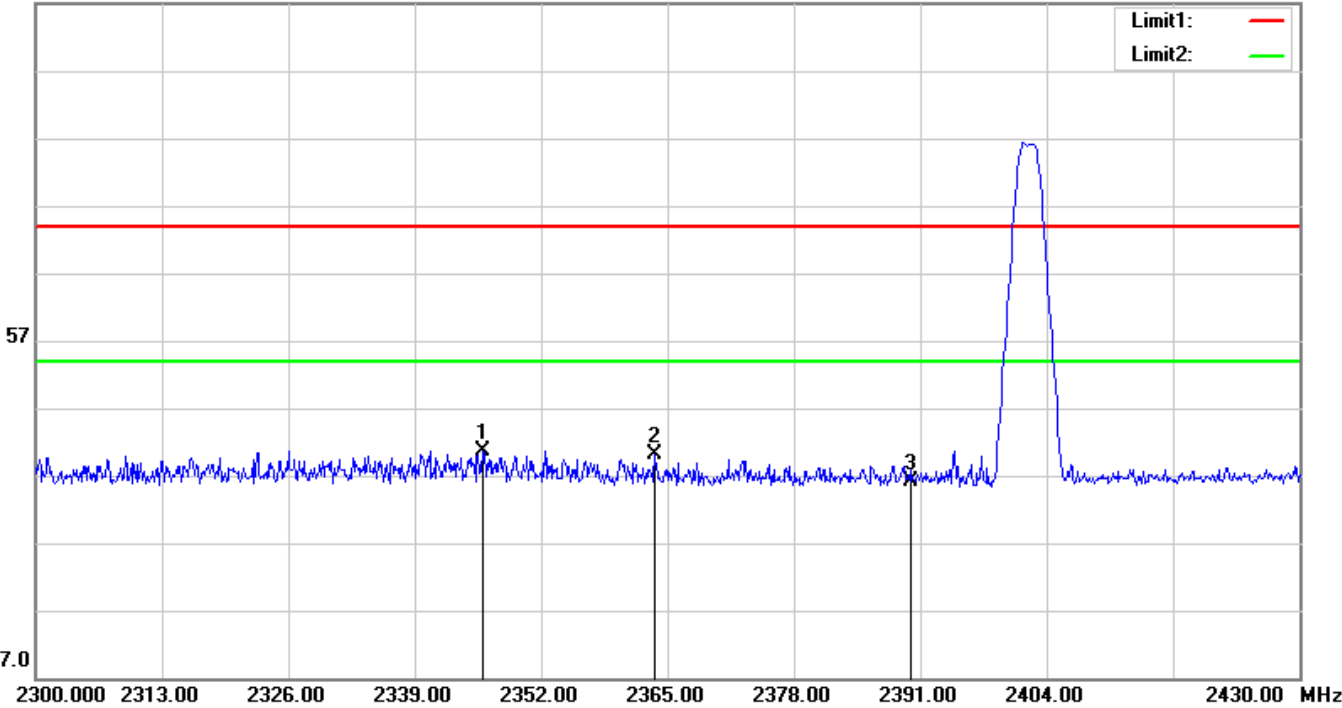
Test Graph
107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2347.450	38.16	2.60	40.76	74.00	-33.24	176	0	peak
2	2377.350	38.82	2.68	41.50	74.00	-32.50	100	313	peak
3	2390.000	33.31	2.71	36.02	74.00	-37.98	189	0	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJC25C

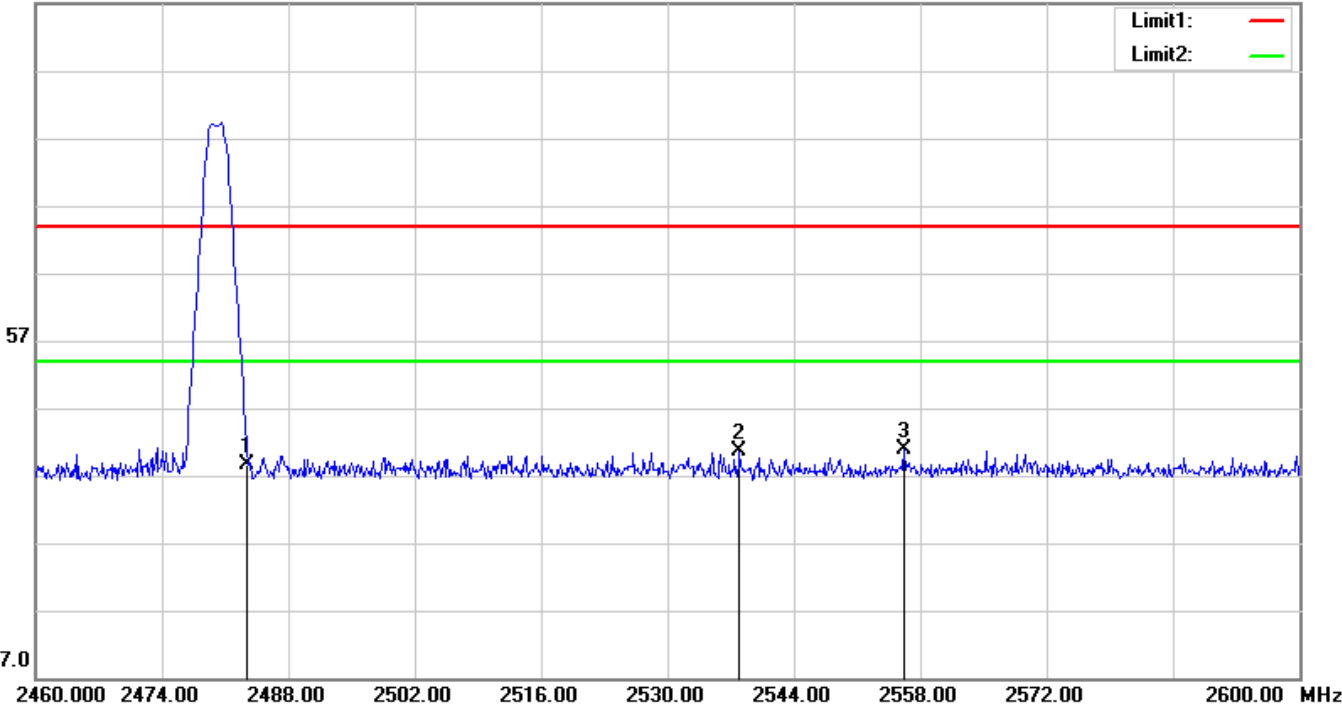
Test Graph
107.0 dBuV/m



No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2346.020	37.97	2.59	40.56	74.00	-33.44	100	210	peak
2	2363.700	37.55	2.64	40.19	74.00	-33.81	200	73	peak
3	2390.000	33.49	2.71	36.20	74.00	-37.80	100	202	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJC25C

Test Graph
107.0 dBuV/m

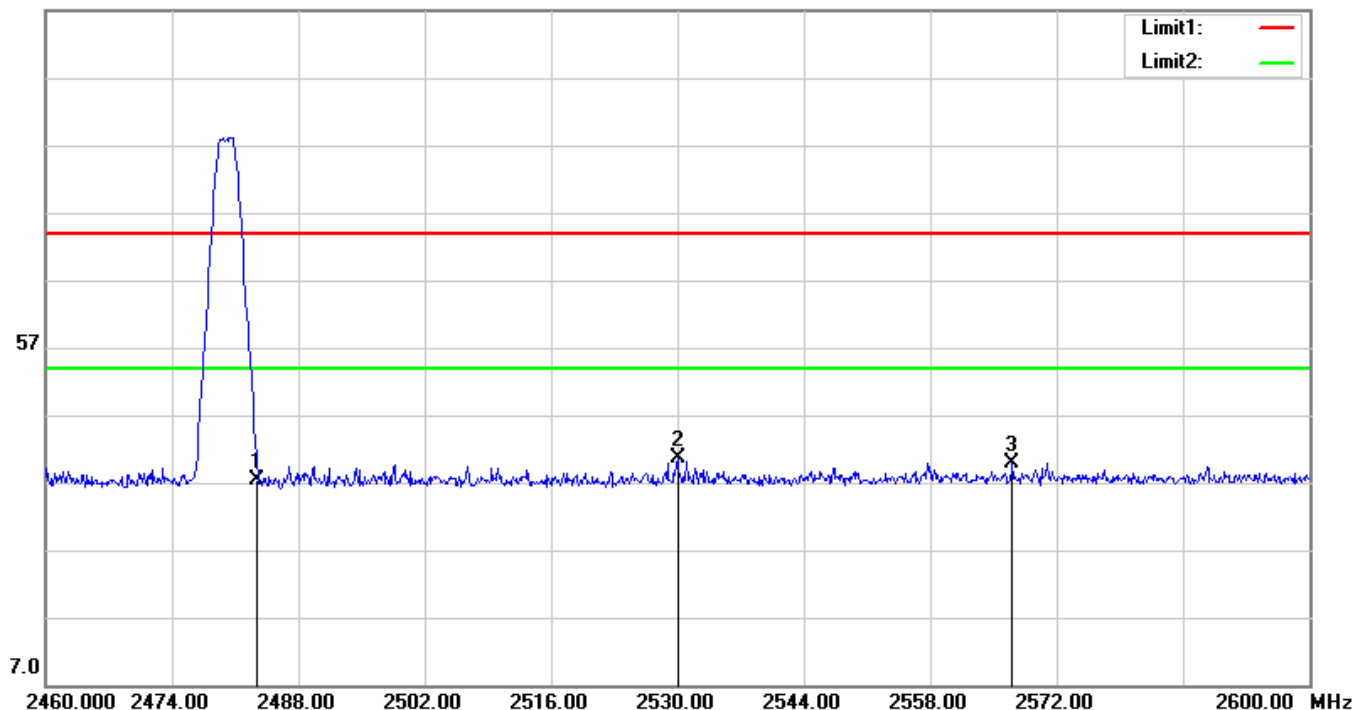


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.69	2.92	38.61	74.00	-35.39	200	266	peak
2	2537.980	37.72	3.03	40.75	74.00	-33.25	100	308	peak
3	2556.180	37.81	3.07	40.88	74.00	-33.12	200	327	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJC25C

Test Graph

107.0 dBuV/m



No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.38	2.92	37.30	74.00	-36.70	100	128	peak
2	2530.000	37.67	3.01	40.68	74.00	-33.32	200	77	peak
3	2567.100	36.90	3.09	39.99	74.00	-34.01	200	75	peak

Note:

1) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20dB under any condition of modulation. So, only the peak values are measured:

2) The field strength is calculated by adding the correct Factor. The basic equation with a sample calculation is as follows:

Final Test Level = Reading +Correct Factor

Correct Factor = Preamplifier Factor– Antenna Factor–Cable Factor

Appendix B): Radiated Spurious Emissions

Receiver Setup:	<table><tr><th>Frequency</th><th>Detector</th><th>RBW</th><th>VBW</th><th>Remark</th></tr><tr><td>0.009MHz-0.090MHz</td><td>Peak</td><td>10kHz</td><td>30kHz</td><td>Peak</td></tr><tr><td>0.009MHz-0.090MHz</td><td>Average</td><td>10kHz</td><td>30kHz</td><td>Average</td></tr><tr><td>0.090MHz-0.110MHz</td><td>Quasi-peak</td><td>10kHz</td><td>30kHz</td><td>Quasi-peak</td></tr><tr><td>0.110MHz-0.490MHz</td><td>Peak</td><td>10kHz</td><td>30kHz</td><td>Peak</td></tr><tr><td>0.110MHz-0.490MHz</td><td>Average</td><td>10kHz</td><td>30kHz</td><td>Average</td></tr><tr><td>0.490MHz -30MHz</td><td>Quasi-peak</td><td>10kHz</td><td>30kHz</td><td>Quasi-peak</td></tr><tr><td>30MHz-1GHz</td><td>Quasi-peak</td><td>120kHz</td><td>300kHz</td><td>Quasi-peak</td></tr><tr><td rowspan="2">Above 1GHz</td><td>Peak</td><td>1MHz</td><td>3MHz</td><td>Peak</td></tr><tr><td>Peak</td><td>1MHz</td><td>1/T</td><td>Average</td></tr></table>	Frequency	Detector	RBW	VBW	Remark	0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak	0.009MHz-0.090MHz	Average	10kHz	30kHz	Average	0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak	0.110MHz-0.490MHz	Average	10kHz	30kHz	Average	0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak	30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak	Above 1GHz	Peak	1MHz	3MHz	Peak	Peak	1MHz	1/T	Average
Frequency	Detector	RBW	VBW	Remark																																														
0.009MHz-0.090MHz	Peak	10kHz	30kHz	Peak																																														
0.009MHz-0.090MHz	Average	10kHz	30kHz	Average																																														
0.090MHz-0.110MHz	Quasi-peak	10kHz	30kHz	Quasi-peak																																														
0.110MHz-0.490MHz	Peak	10kHz	30kHz	Peak																																														
0.110MHz-0.490MHz	Average	10kHz	30kHz	Average																																														
0.490MHz -30MHz	Quasi-peak	10kHz	30kHz	Quasi-peak																																														
30MHz-1GHz	Quasi-peak	120kHz	300kHz	Quasi-peak																																														
Above 1GHz	Peak	1MHz	3MHz	Peak																																														
	Peak	1MHz	1/T	Average																																														
Test Procedure:	Below 1GHz test procedure as below: - The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic camber. The table was rotated 360 degrees to determine the position of the highest radiation. - The EUT was set 3 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower. - The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement. - For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable was turned from 0 degrees to 360 degrees to find the maximum reading. - The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode. - If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet. Above 1GHz test procedure as below: - Different between above is the test site, change from Semi- Anechoic Chamber to fully Anechoic Chamber and change form table 0.8 meter to 1.5 meter (Above 18GHz the distance is 1 meter and table is 1.5 meter). - Test the EUT in the lowest channel, the middle channel, the Highest channel - The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is worse case. - Repeat above procedures until all frequencies measured was complete.																																																	
Limit:	<table><tr><th>Frequency</th><th>Field strength microvolt/meter</th><th>Limit (dBμV/m)</th><th>Remark</th><th>Measurement distance (m)</th></tr><tr><td>0.009MHz-0.490MHz</td><td>2400/F(kHz)</td><td>-</td><td>-</td><td>300</td></tr><tr><td>0.490MHz-1.705MHz</td><td>24000/F(kHz)</td><td>-</td><td>-</td><td>30</td></tr><tr><td>1.705MHz-30MHz</td><td>30</td><td>-</td><td>-</td><td>30</td></tr><tr><td>30MHz-88MHz</td><td>100</td><td>40.0</td><td>Quasi-peak</td><td>3</td></tr><tr><td>88MHz-216MHz</td><td>150</td><td>43.5</td><td>Quasi-peak</td><td>3</td></tr><tr><td>216MHz-960MHz</td><td>200</td><td>46.0</td><td>Quasi-peak</td><td>3</td></tr><tr><td>960MHz-1GHz</td><td>500</td><td>54.0</td><td>Quasi-peak</td><td>3</td></tr><tr><td>Above 1GHz</td><td>500</td><td>54.0</td><td>Average</td><td>3</td></tr></table> Note: 15.35(b), Unless otherwise specified, the limit on peak radio frequency emissions is 20dB above the maximum permitted average emission limit applicable to the equipment under test. This peak limit applies to the total peak emission level radiated by the device.	Frequency	Field strength microvolt/meter	Limit (dBμV/m)	Remark	Measurement distance (m)	0.009MHz-0.490MHz	2400/F(kHz)	-	-	300	0.490MHz-1.705MHz	24000/F(kHz)	-	-	30	1.705MHz-30MHz	30	-	-	30	30MHz-88MHz	100	40.0	Quasi-peak	3	88MHz-216MHz	150	43.5	Quasi-peak	3	216MHz-960MHz	200	46.0	Quasi-peak	3	960MHz-1GHz	500	54.0	Quasi-peak	3	Above 1GHz	500	54.0	Average	3				
Frequency	Field strength microvolt/meter	Limit (dBμV/m)	Remark	Measurement distance (m)																																														
0.009MHz-0.490MHz	2400/F(kHz)	-	-	300																																														
0.490MHz-1.705MHz	24000/F(kHz)	-	-	30																																														
1.705MHz-30MHz	30	-	-	30																																														
30MHz-88MHz	100	40.0	Quasi-peak	3																																														
88MHz-216MHz	150	43.5	Quasi-peak	3																																														
216MHz-960MHz	200	46.0	Quasi-peak	3																																														
960MHz-1GHz	500	54.0	Quasi-peak	3																																														
Above 1GHz	500	54.0	Average	3																																														

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz:

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJC56 Ble		

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
30.9700	V	54.41	-23.00	31.41	40.00	-8.59	QP
57.1600	V	50.02	-21.66	28.36	40.00	-11.64	QP
94.9900	V	44.22	-22.65	21.57	43.50	-21.93	QP
174.5300	V	42.82	-24.75	18.07	43.50	-25.43	QP
332.6400	V	42.22	-19.46	22.76	46.00	-23.24	QP
678.9300	V	37.79	-13.39	24.40	46.00	-21.60	QP
47.4600	H	43.91	-21.48	22.43	40.00	-17.57	QP
95.9600	H	45.57	-22.41	23.16	43.50	-20.34	QP
166.7700	H	56.16	-25.04	31.12	43.50	-12.38	QP
191.9900	H	49.76	-23.04	26.72	43.50	-16.78	QP
332.6400	H	49.05	-19.46	29.59	46.00	-16.41	QP
647.8900	H	40.19	-13.63	26.56	46.00	-19.44	QP

Notes:

- 1) Through Pre-scan then find the BLE_2M -CH40 is the worst case mode and only the worst data was recorded.

Transmitter Emission above 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4876.000	37.25	9.31	46.56	74.00	-27.44	200	346	peak
2	7324.000	36.01	12.20	48.21	74.00	-25.79	200	338	peak
3	9755.000	32.42	14.75	47.17	74.00	-26.83	200	335	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4876.000	38.80	9.31	48.11	74.00	-25.89	100	100	peak
2	7324.000	38.39	12.20	50.59	74.00	-23.41	100	159	peak
3	9755.000	32.27	14.75	47.02	74.00	-26.98	100	92	peak

Mode:	BLE_1M	Channel:	2440
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4876.000	36.79	9.31	46.10	74.00	-27.90	200	314	peak
2	7324.000	38.10	12.20	50.30	74.00	-23.70	100	319	peak
3	9755.000	34.05	14.75	48.80	74.00	-25.20	200	351	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3975.000	38.15	7.75	45.90	74.00	-28.10	100	201	peak
2	4876.000	38.35	9.31	47.66	74.00	-26.34	100	115	peak
3	7324.000	37.48	12.20	49.68	74.00	-24.32	100	357	peak

Mode:	BLE_1M	Channel:	2480
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	1765.000	46.44	0.09	46.53	74.00	-27.47	100	304	peak
2	4961.000	37.65	9.51	47.16	74.00	-26.84	200	335	peak
3	7443.000	36.68	12.35	49.03	74.00	-24.97	100	254	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	1748.000	49.00	-0.05	48.95	74.00	-25.05	100	97	peak
2	7443.000	39.16	12.35	51.51	74.00	-22.49	200	312	peak
3	9925.000	34.74	14.61	49.35	74.00	-24.65	100	317	peak

Mode:	BLE_2M	Channel:	2402
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	36.66	9.16	45.82	74.00	-28.18	100	311	peak
2	7205.000	36.70	12.01	48.71	74.00	-25.29	100	327	peak
3	9619.000	28.64	14.85	43.49	74.00	-30.51	100	219	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3975.000	41.53	7.75	49.28	74.00	-24.72	200	166	peak
2	4808.000	40.81	9.16	49.97	74.00	-24.03	200	117	peak
3	7205.000	39.70	12.01	51.71	74.00	-22.29	194	360	peak

Mode:	BLE_2M	Channel:	2440
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4961.000	35.56	9.51	45.07	74.00	-28.93	200	309	peak
2	7443.000	35.66	12.35	48.01	74.00	-25.99	200	352	peak
3	9925.000	31.97	14.61	46.58	74.00	-27.42	131	360	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3975.000	40.59	7.75	48.34	74.00	-25.66	200	166	peak
2	4876.000	38.99	9.31	48.30	74.00	-25.70	200	91	peak
3	7324.000	39.85	12.20	52.05	74.00	-21.95	200	360	peak

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	35.91	7.83	43.74	74.00	-30.26	100	98	peak
2	4876.000	38.13	9.31	47.44	74.00	-26.56	100	332	peak
3	7324.000	37.55	12.20	49.75	74.00	-24.25	200	349	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4995.000	39.95	9.59	49.54	74.00	-24.46	100	193	peak
2	7443.000	38.95	12.35	51.30	74.00	-22.70	121	360	peak
3	11540.000	35.63	17.22	52.85	74.00	-21.15	100	37	peak

Mode:	BLE_125kbps	Channel:	2402
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	2309.000	37.46	2.49	39.95	74.00	-34.05	200	297	peak
2	4791.000	40.90	9.12	50.02	74.00	-23.98	200	330	peak
3	7205.000	36.37	12.01	48.38	74.00	-25.62	200	283	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	1323.000	43.76	-2.82	40.94	74.00	-33.06	100	228	peak
2	3992.000	41.03	7.83	48.86	74.00	-25.14	200	204	peak
3	7205.000	39.58	12.01	51.59	74.00	-22.41	200	346	peak

Mode:	BLE_125kbps	Channel:	2440
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	1748.000	43.74	-0.05	43.69	74.00	-30.31	100	359	peak
2	4876.000	38.16	9.31	47.47	74.00	-26.53	100	335	peak
3	7324.000	38.15	12.20	50.35	74.00	-23.65	100	276	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3975.000	40.97	7.75	48.72	74.00	-25.28	100	175	peak
2	4876.000	39.10	9.31	48.41	74.00	-25.59	200	90	peak
3	7324.000	39.90	12.20	52.10	74.00	-21.90	160	360	peak

Mode:	BLE_125kbps	Channel:	2480
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4961.000	38.81	9.51	48.32	74.00	-25.68	200	330	peak
2	7443.000	37.12	12.35	49.47	74.00	-24.53	100	278	peak
3	9925.000	34.00	14.61	48.61	74.00	-25.39	200	313	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	42.99	7.83	50.82	74.00	-23.18	100	204	peak
2	4961.000	37.13	9.51	46.64	74.00	-27.36	100	104	peak
3	7443.000	36.08	12.35	48.43	74.00	-25.57	100	0	peak

Mode:	BLE_500kbps	Channel:	2402
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4876.000	36.52	9.31	45.83	74.00	-28.17	100	322	peak
2	7324.000	36.94	12.20	49.14	74.00	-24.86	100	275	peak
3	12560.000	28.64	18.36	47.00	74.00	-27.00	100	5	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	1765.000	42.77	0.09	42.86	74.00	-31.14	100	274	peak
2	4876.000	38.67	9.31	47.98	74.00	-26.02	100	115	peak
3	7324.000	40.18	12.20	52.38	74.00	-21.62	175	0	peak

Mode:	BLE_500kbps	Channel:	2440
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4876.000	35.99	9.31	45.30	74.00	-28.70	100	312	peak
2	5743.000	35.78	9.98	45.76	74.00	-28.24	100	295	peak
3	7324.000	37.95	12.20	50.15	74.00	-23.85	100	281	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	37.16	7.83	44.99	74.00	-29.01	100	202	peak
2	4978.000	36.90	9.55	46.45	74.00	-27.55	100	254	peak
3	7324.000	35.85	12.20	48.05	74.00	-25.95	100	333	peak

Mode:	BLE_500kbps	Channel:	2480
Test model No.:	HJC56 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4961.000	35.99	9.51	45.50	74.00	-28.50	100	330	peak
2	7443.000	36.49	12.35	48.84	74.00	-25.16	100	319	peak
3	9925.000	32.11	14.61	46.72	74.00	-27.28	141	360	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	42.75	7.83	50.58	74.00	-23.42	200	162	peak
2	7443.000	40.13	12.35	52.48	74.00	-21.52	200	321	peak
3	9925.000	36.23	14.61	50.84	74.00	-23.16	100	337	peak

Report No. : EED39N80872501

Radiated Emission below 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC53 Ble		

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBUV)	Correction Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
62.9800	V	42.72	-12.66	30.06	40.00	-9.94	QP
80.4400	V	48.77	-18.49	30.28	40.00	-9.72	QP
125.0600	V	45.36	-15.40	29.96	43.50	-13.54	QP
155.1300	V	46.39	-16.34	30.05	43.50	-13.45	QP
219.1500	V	42.15	-13.64	28.51	46.00	-17.49	QP
238.5500	V	42.60	-12.58	30.02	46.00	-15.98	QP
48.4300	H	37.74	-10.88	26.86	40.00	-13.14	QP
78.5000	H	47.76	-18.13	29.63	40.00	-10.37	QP
95.9600	H	40.27	-12.73	27.54	43.50	-15.96	QP
219.1500	H	39.62	-13.64	25.98	46.00	-20.02	QP
238.5500	H	39.63	-12.58	27.05	46.00	-18.95	QP
361.7400	H	38.09	-10.60	27.49	46.00	-18.51	QP

Notes:

1) Through Pre-scan then find the BLE_1M -CH1 is the worst case mode and only the worst data was recorded.

Transmitter Emission above 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	35.86	9.12	44.98	74.00	-29.02	200	31	peak
2	7341.000	31.21	12.23	43.44	74.00	-30.56	198	360	peak
3	14889.000	30.05	22.95	53.00	74.00	-21.00	148	360	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3992.000	39.79	7.83	47.62	74.00	-26.38	200	344	peak
2	4791.000	41.06	9.12	50.18	74.00	-23.82	100	275	peak
3	4995.000	38.18	9.59	47.77	74.00	-26.23	100	353	peak
4	15348.000	30.00	22.87	52.87	74.00	-21.13	200	219	peak

Mode:	BLE_1M	Channel:	2440
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	35.54	9.12	44.66	74.00	-29.34	100	256	peak
2	11183.000	31.08	16.82	47.90	74.00	-26.10	200	205	peak
3	14906.000	29.46	22.97	52.43	74.00	-21.57	200	215	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3992.000	40.02	7.83	47.85	74.00	-26.15	100	223	peak
2	4791.000	41.66	9.12	50.78	74.00	-23.22	100	252	peak
3	4978.000	37.64	9.55	47.19	74.00	-26.81	100	198	peak
4	14889.000	29.39	22.95	52.34	74.00	-21.66	200	90	peak

Mode:	BLE_1M	Channel:	2480
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	36.80	9.12	45.92	74.00	-28.08	100	33	peak
2	11098.000	30.98	16.68	47.66	74.00	-26.34	100	175	peak
3	14872.000	29.62	22.93	52.55	74.00	-21.45	100	46	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	40.03	9.12	49.15	74.00	-24.85	100	234	peak
2	7205.000	35.46	12.01	47.47	74.00	-26.53	100	223	peak
3	14889.000	29.24	22.95	52.19	74.00	-21.81	200	204	peak

Mode:	BLE_2M	Channel:	2402
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	7205.000	32.64	12.01	44.65	74.00	-29.35	100	245	peak
2	14379.000	29.51	22.19	51.70	74.00	-22.30	100	179	peak
3	16589.000	28.03	24.26	52.29	74.00	-21.71	101	360	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	6644.000	34.88	11.38	46.26	74.00	-27.74	100	146	peak
2	14906.000	29.29	22.97	52.26	74.00	-21.74	171	360	peak
3	16725.000	28.40	24.71	53.11	74.00	-20.89	200	137	peak

Mode:	BLE_2M	Channel:	2440
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	6848.000	32.28	11.55	43.83	74.00	-30.17	100	226	peak
2	14566.000	29.67	22.30	51.97	74.00	-22.03	100	242	peak
3	16011.000	28.90	23.63	52.53	74.00	-21.47	100	61	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	7205.000	35.64	12.01	47.65	74.00	-26.35	100	224	peak
2	14464.000	29.66	22.26	51.92	74.00	-22.08	100	346	peak
3	16997.000	26.55	25.67	52.22	74.00	-21.78	200	294	peak

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	34.82	9.12	43.94	74.00	-30.06	100	261	peak
2	10996.000	30.10	16.50	46.60	74.00	-27.40	163	360	peak
3	14600.000	29.67	22.31	51.98	74.00	-22.02	100	311	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	40.98	9.12	50.10	74.00	-23.90	100	241	peak
2	14277.000	30.16	21.96	52.12	74.00	-21.88	100	222	peak
3	16997.000	27.89	25.67	53.56	74.00	-20.44	200	78	peak

Mode:	BLE_125kbps	Channel:	2402
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	36.57	9.16	45.73	74.00	-28.27	100	262	peak
2	14889.000	30.56	22.95	53.51	74.00	-20.49	100	359	peak
3	16878.000	27.22	25.25	52.47	74.00	-21.53	200	184	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	41.07	9.16	50.23	74.00	-23.77	100	260	peak
2	14889.000	29.21	22.95	52.16	74.00	-21.84	100	224	peak
3	16912.000	27.57	25.37	52.94	74.00	-21.06	200	270	peak

Mode:	BLE_125kbps	Channel:	2440
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	35.47	9.16	44.63	74.00	-29.37	100	30	peak
2	14804.000	29.32	22.84	52.16	74.00	-21.84	200	101	peak
3	16708.000	27.78	24.65	52.43	74.00	-21.57	200	104	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	39.83	7.83	47.66	74.00	-26.34	100	60	peak
2	4791.000	39.56	9.12	48.68	74.00	-25.32	100	236	peak
3	14804.000	29.20	22.84	52.04	74.00	-21.96	107	360	peak

Mode:	BLE_125kbps	Channel:	2480
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	35.54	9.16	44.70	74.00	-29.30	100	77	peak
2	11098.000	30.66	16.68	47.34	74.00	-26.66	100	49	peak
3	14787.000	29.08	22.81	51.89	74.00	-22.11	100	240	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	38.56	7.83	46.39	74.00	-27.61	200	37	peak
2	4808.000	40.90	9.16	50.06	74.00	-23.94	100	260	peak
3	15535.000	30.72	22.75	53.47	74.00	-20.53	100	265	peak

Mode:	BLE_500kbps	Channel:	2402
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	36.42	9.16	45.58	74.00	-28.42	200	73	peak
2	14889.000	29.49	22.95	52.44	74.00	-21.56	200	90	peak
3	16708.000	27.98	24.65	52.63	74.00	-21.37	100	315	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	41.18	9.12	50.30	74.00	-23.70	100	247	peak
2	14464.000	30.19	22.26	52.45	74.00	-21.55	200	89	peak
3	17014.000	27.51	25.67	53.18	74.00	-20.82	200	55	peak

Mode:	BLE_500kbps	Channel:	2440
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	35.57	9.12	44.69	74.00	-29.31	100	77	peak
2	14804.000	29.72	22.84	52.56	74.00	-21.44	100	360	peak
3	15977.000	29.15	23.58	52.73	74.00	-21.27	100	207	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	40.60	9.16	49.76	74.00	-24.24	100	248	peak
2	7205.000	35.05	12.01	47.06	74.00	-26.94	100	227	peak
3	14464.000	30.33	22.26	52.59	74.00	-21.41	147	360	peak

Mode:	BLE_500kbps	Channel:	2480
Test model No.:	HJC53 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	34.71	9.12	43.83	74.00	-30.17	200	20	peak
2	14906.000	29.09	22.97	52.06	74.00	-21.94	200	354	peak
3	16623.000	28.22	24.35	52.57	74.00	-21.43	200	332	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	40.84	9.16	50.00	74.00	-24.00	100	236	peak
2	14804.000	29.31	22.84	52.15	74.00	-21.85	200	276	peak
3	16878.000	27.34	25.25	52.59	74.00	-21.41	100	326	peak

Report No. : EED39N80872501

Radiated Emission below 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC52 Ble		

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBUV)	Correction Factor (dB/m)	Result (dBUV/m)	Limit (dBUV/m)	Margin (dB)	Remark
35.8200	V	40.18	-12.05	28.13	40.00	-11.87	QP
62.0100	V	43.40	-12.34	31.06	40.00	-8.94	QP
76.5600	V	44.39	-17.41	26.98	40.00	-13.02	QP
102.7500	V	37.72	-11.88	25.84	43.50	-17.66	QP
150.2800	V	40.23	-16.59	23.64	43.50	-19.86	QP
242.4300	V	33.58	-12.50	21.08	46.00	-24.92	QP
79.4700	H	47.39	-18.49	28.90	40.00	-11.10	QP
170.6500	H	39.30	-15.68	23.62	43.50	-19.88	QP
242.4300	H	37.51	-12.50	25.01	46.00	-20.99	QP
272.5000	H	33.31	-12.24	21.07	46.00	-24.93	QP
827.3400	H	28.15	-3.84	24.31	46.00	-21.69	QP
890.3900	H	25.64	-2.12	23.52	46.00	-22.48	QP

Notes:

1) Through Pre-scan then find the BLE_1M -CH1 is the worst case mode and only the worst data was recorded.

Transmitter Emission above 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	6746.000	32.34	11.46	43.80	74.00	-30.20	114	360	peak
2	14804.000	29.10	22.84	51.94	74.00	-22.06	100	360	peak
3	16589.000	28.71	24.26	52.97	74.00	-21.03	100	0	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	41.70	9.16	50.86	74.00	-23.14	100	250	peak
2	14600.000	30.06	22.31	52.37	74.00	-21.63	100	330	peak
3	17116.000	27.14	25.58	52.72	74.00	-21.28	200	260	peak

Mode:	BLE_1M	Channel:	2440
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	35.66	9.16	44.82	74.00	-29.18	100	264	peak
2	14906.000	29.28	22.97	52.25	74.00	-21.75	100	360	peak
3	16946.000	27.56	25.49	53.05	74.00	-20.95	131	360	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	39.83	9.12	48.95	74.00	-25.05	100	281	peak
2	14889.000	29.79	22.95	52.74	74.00	-21.26	200	279	peak
3	16912.000	27.72	25.37	53.09	74.00	-20.91	168	360	peak

Mode:	BLE_1M	Channel:	2480
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	36.65	9.12	45.77	74.00	-28.23	100	264	peak
2	14804.000	30.10	22.84	52.94	74.00	-21.06	100	220	peak
3	16929.000	27.23	25.43	52.66	74.00	-21.34	200	250	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3992.000	40.15	7.83	47.98	74.00	-26.02	100	284	peak
2	4808.000	39.97	9.16	49.13	74.00	-24.87	200	248	peak
3	7205.000	35.06	12.01	47.07	74.00	-26.93	100	225	peak
4	14889.000	28.90	22.95	51.85	74.00	-22.15	200	350	peak

Mode:	BLE_2M	Channel:	2402
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	35.49	9.12	44.61	74.00	-29.39	200	28	peak
2	14804.000	29.48	22.84	52.32	74.00	-21.68	200	111	peak
3	17116.000	27.63	25.58	53.21	74.00	-20.79	100	206	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	42.06	9.12	51.18	74.00	-22.82	100	249	peak
2	14889.000	30.02	22.95	52.97	74.00	-21.03	199	360	peak
3	16912.000	28.16	25.37	53.53	74.00	-20.47	200	38	peak

Mode:	BLE_2M	Channel:	2440
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	35.33	9.16	44.49	74.00	-29.51	100	263	peak
2	6644.000	33.77	11.38	45.15	74.00	-28.85	127	360	peak
3	14804.000	29.19	22.84	52.03	74.00	-21.97	200	107	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	40.54	9.12	49.66	74.00	-24.34	100	241	peak
2	14804.000	29.31	22.84	52.15	74.00	-21.85	129	360	peak
3	15994.000	29.30	23.62	52.92	74.00	-21.08	200	164	peak

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	34.47	9.16	43.63	74.00	-30.37	200	41	peak
2	14787.000	29.65	22.81	52.46	74.00	-21.54	200	51	peak
3	16725.000	28.42	24.71	53.13	74.00	-20.87	200	237	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	41.14	9.12	50.26	74.00	-23.74	100	259	peak
2	7205.000	34.62	12.01	46.63	74.00	-27.37	100	224	peak
3	14889.000	29.10	22.95	52.05	74.00	-21.95	198	360	peak

Mode:	BLE_125kbps	Channel:	2402
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	36.62	9.12	45.74	74.00	-28.26	200	33	peak
2	14906.000	29.77	22.97	52.74	74.00	-21.26	100	232	peak
3	16079.000	29.55	23.66	53.21	74.00	-20.79	200	191	peak
4	17014.000	27.13	25.67	52.80	74.00	-21.20	200	16	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4808.000	40.83	9.16	49.99	74.00	-24.01	100	240	peak
2	7205.000	33.84	12.01	45.85	74.00	-28.15	100	227	peak
3	15994.000	29.30	23.62	52.92	74.00	-21.08	200	91	peak

Mode:	BLE_125kbps	Channel:	2440
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11098.000	31.49	16.68	48.17	74.00	-25.83	200	252	peak
2	14583.000	29.70	22.30	52.00	74.00	-22.00	200	359	peak
3	17932.000	26.28	27.11	53.39	74.00	-20.61	190	360	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4808.000	41.22	9.16	50.38	74.00	-23.62	100	256	peak
2	7205.000	34.31	12.01	46.32	74.00	-27.68	100	230	peak
3	15212.000	29.20	23.01	52.21	74.00	-21.79	100	146	peak
4	16997.000	27.37	25.67	53.04	74.00	-20.96	100	72	peak

Mode:	BLE_125kbps	Channel:	2480
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	5760.000	36.44	10.02	46.46	74.00	-27.54	100	319	peak
2	14804.000	29.97	22.84	52.81	74.00	-21.19	100	210	peak
3	16912.000	27.32	25.37	52.69	74.00	-21.31	100	75	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	40.40	9.16	49.56	74.00	-24.44	100	238	peak
2	15433.000	29.88	22.80	52.68	74.00	-21.32	100	210	peak
3	16929.000	27.81	25.43	53.24	74.00	-20.76	100	360	peak

Mode:	BLE_500kbps	Channel:	2402
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	35.19	9.16	44.35	74.00	-29.65	100	31	peak
2	14549.000	29.78	22.29	52.07	74.00	-21.93	200	62	peak
3	17014.000	27.00	25.67	52.67	74.00	-21.33	200	309	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	40.16	9.12	49.28	74.00	-24.72	200	254	peak
2	7205.000	33.77	12.01	45.78	74.00	-28.22	100	221	peak
3	14804.000	29.72	22.84	52.56	74.00	-21.44	138	360	peak
4	16929.000	27.59	25.43	53.02	74.00	-20.98	100	165	peak

Mode:	BLE_500kbps	Channel:	2440
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	35.58	9.12	44.70	74.00	-29.30	200	69	peak
2	14175.000	30.42	21.75	52.17	74.00	-21.83	100	356	peak
3	15909.000	29.49	23.42	52.91	74.00	-21.09	100	337	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	40.42	9.16	49.58	74.00	-24.42	100	265	peak
2	10367.000	34.99	15.41	50.40	74.00	-23.60	100	211	peak
3	14804.000	29.40	22.84	52.24	74.00	-21.76	200	136	peak

Mode:	BLE_500kbps	Channel:	2480
Test model No.:	HJC52 Ble		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	11183.000	29.89	16.82	46.71	74.00	-27.29	100	146	peak
2	14804.000	30.06	22.84	52.90	74.00	-21.10	100	66	peak
3	16929.000	27.86	25.43	53.29	74.00	-20.71	100	166	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	40.75	9.12	49.87	74.00	-24.13	100	240	peak
2	14804.000	29.19	22.84	52.03	74.00	-21.97	125	360	peak
3	16725.000	29.27	24.71	53.98	74.00	-20.02	200	117	peak

Report No. : EED39N80872501

Radiated Emission below 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC25		

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
62.3360	V	38.43	-12.45	25.98	40.00	-14.02	QP
90.1400	V	44.44	-14.18	30.26	43.50	-13.24	QP
98.8700	V	40.54	-12.01	28.53	43.50	-14.97	QP
116.3300	V	41.34	-13.79	27.55	43.50	-15.95	QP
157.0700	V	43.23	-16.25	26.98	43.50	-16.52	QP
225.9400	V	44.56	-13.31	31.25	46.00	-14.75	QP
62.9800	H	39.61	-12.66	26.95	40.00	-13.05	QP
94.9900	H	37.55	-12.97	24.58	43.50	-18.92	QP
157.0700	H	41.34	-16.25	25.09	43.50	-18.41	QP
238.5500	H	45.09	-12.58	32.51	46.00	-13.49	QP
599.3900	H	28.75	-5.66	23.09	46.00	-22.91	QP
887.4800	H	26.78	-2.23	24.55	46.00	-21.45	QP

Notes:

1) Through Pre-scan then find the BLE_1M -CH1 is the worst case mode and only the worst data was recorded.

Transmitter Emission above 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	10146.000	30.73	14.97	45.70	74.00	-28.30	100	23	peak
2	14634.000	30.59	22.40	52.99	74.00	-21.01	100	186	peak
3	16997.000	27.31	25.67	52.98	74.00	-21.02	125	360	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	40.38	9.16	49.54	74.00	-24.46	200	256	peak
2	11574.000	33.37	17.26	50.63	74.00	-23.37	100	233	peak
3	17014.000	27.72	25.67	53.39	74.00	-20.61	100	42	peak

Mode:	BLE_1M	Channel:	2440
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	35.67	9.12	44.79	74.00	-29.21	200	39	peak
2	7205.000	32.76	12.01	44.77	74.00	-29.23	100	247	peak
3	15212.000	29.49	23.01	52.50	74.00	-21.50	200	351	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	41.13	7.83	48.96	74.00	-25.04	100	31	peak
2	14906.000	30.50	22.97	53.47	74.00	-20.53	200	308	peak
3	16708.000	28.08	24.65	52.73	74.00	-21.27	200	170	peak

Mode:	BLE_1M	Channel:	2480
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	35.68	9.16	44.84	74.00	-29.16	100	29	peak
2	10996.000	28.94	16.50	45.44	74.00	-28.56	100	105	peak
3	14804.000	30.29	22.84	53.13	74.00	-20.87	100	232	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	41.80	9.16	50.96	74.00	-23.04	100	257	peak
2	14464.000	29.91	22.26	52.17	74.00	-21.83	157	360	peak
3	17116.000	27.60	25.58	53.18	74.00	-20.82	200	284	peak

Mode:	BLE_2M	Channel:	2402
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	6950.000	32.20	11.64	43.84	74.00	-30.16	100	337	peak
2	14549.000	31.18	22.29	53.47	74.00	-20.53	100	146	peak
3	17864.000	25.83	26.75	52.58	74.00	-21.42	100	102	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	42.16	9.16	51.32	74.00	-22.68	100	250	peak
2	7205.000	34.93	12.01	46.94	74.00	-27.06	100	224	peak
3	13699.000	31.51	20.86	52.37	74.00	-21.63	100	360	peak

Mode:	BLE_2M	Channel:	2440
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	36.69	9.16	45.85	74.00	-28.15	100	266	peak
2	14804.000	29.28	22.84	52.12	74.00	-21.88	100	279	peak
3	15892.000	29.12	23.38	52.50	74.00	-21.50	100	336	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	42.44	7.83	50.27	74.00	-23.73	200	327	peak
2	4808.000	40.73	9.16	49.89	74.00	-24.11	100	237	peak
3	14889.000	29.60	22.95	52.55	74.00	-21.45	100	282	peak
4	16623.000	29.42	24.35	53.77	74.00	-20.23	200	234	peak

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	34.98	9.12	44.10	74.00	-29.90	100	29	peak
2	14464.000	30.22	22.26	52.48	74.00	-21.52	100	333	peak
3	17116.000	27.12	25.58	52.70	74.00	-21.30	100	309	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3975.000	40.85	7.75	48.60	74.00	-25.40	200	344	peak
2	4808.000	41.07	9.16	50.23	74.00	-23.77	100	242	peak
3	14889.000	29.40	22.95	52.35	74.00	-21.65	100	6	peak

Mode:	BLE_125kbps	Channel:	2402
Test model No.:	HJC25		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	35.61	9.12	44.73	74.00	-29.27	200	69	peak
2	14872.000	29.02	22.93	51.95	74.00	-22.05	100	327	peak
3	16810.000	28.17	25.02	53.19	74.00	-20.81	100	155	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4808.000	41.82	9.16	50.98	74.00	-23.02	100	237	peak
2	15892.000	29.12	23.38	52.50	74.00	-21.50	181	360	peak
3	16997.000	27.16	25.67	52.83	74.00	-21.17	100	97	peak

Mode:	BLE_125kbps	Channel:	2440
Test model No.:	HJC25		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	11625.000	29.50	17.25	46.75	74.00	-27.25	200	48	peak
2	14889.000	29.48	22.95	52.43	74.00	-21.57	100	2	peak
3	16810.000	27.46	25.02	52.48	74.00	-21.52	100	248	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4808.000	42.16	9.16	51.32	74.00	-22.68	100	250	peak
2	13767.000	29.97	21.05	51.02	74.00	-22.98	200	293	peak
3	14804.000	29.69	22.84	52.53	74.00	-21.47	200	10	peak

Mode:	BLE_125kbps	Channel:	2480
Test model No.:	HJC25		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	34.65	9.12	43.77	74.00	-30.23	200	264	peak
2	14719.000	29.59	22.63	52.22	74.00	-21.78	181	360	peak
3	16895.000	27.47	25.31	52.78	74.00	-21.22	100	239	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4791.000	39.78	9.12	48.90	74.00	-25.10	100	267	peak
2	14804.000	29.59	22.84	52.43	74.00	-21.57	114	360	peak
3	16895.000	27.52	25.31	52.83	74.00	-21.17	100	38	peak

Mode:	BLE_500kbps	Channel:	2402
Test model No.:	HJC25		

Horizontal

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	3992.000	35.72	7.83	43.55	74.00	-30.45	200	51	peak
2	4808.000	36.99	9.16	46.15	74.00	-27.85	100	266	peak
3	14804.000	29.63	22.84	52.47	74.00	-21.53	200	56	peak
4	16079.000	28.99	23.66	52.65	74.00	-21.35	126	360	peak

Vertical

No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	4808.000	41.39	9.16	50.55	74.00	-23.45	100	259	peak
2	7205.000	35.22	12.01	47.23	74.00	-26.77	100	225	peak
3	16232.000	29.02	23.75	52.77	74.00	-21.23	100	118	peak

Mode:	BLE_500kbps	Channel:	2440
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	3992.000	36.79	7.83	44.62	74.00	-29.38	200	134	peak
2	13971.000	29.19	21.46	50.65	74.00	-23.35	200	247	peak
3	16555.000	29.32	24.21	53.53	74.00	-20.47	100	54	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	6967.000	36.29	11.65	47.94	74.00	-26.06	100	24	peak
2	14804.000	29.74	22.84	52.58	74.00	-21.42	130	360	peak
3	16912.000	27.40	25.37	52.77	74.00	-21.23	126	360	peak

Mode:	BLE_500kbps	Channel:	2480
Test model No.:	HJC25		

Horizontal

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4791.000	34.39	9.12	43.51	74.00	-30.49	100	267	peak
2	11523.000	29.12	17.21	46.33	74.00	-27.67	200	55	peak
3	14804.000	29.42	22.84	52.26	74.00	-21.74	100	359	peak

Vertical

No.	Frequency	Reading	Correct	Result	Limit	Margin	Height	Degree	Remark
	(MHz)	(dBuV)	Factor(dB/m)	(dBuV/m)	(dBuV/m)	(dB)	(cm)	(deg.)	
1	4808.000	40.10	9.16	49.26	74.00	-24.74	100	272	peak
2	14277.000	30.07	21.96	52.03	74.00	-21.97	100	194	peak
3	14889.000	28.66	22.95	51.61	74.00	-22.39	200	20	peak

Note:

1) As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. So, only the peak values are measured:

2) The field strength is calculated by adding the correct Factor. The basic equation with a sample calculation is as follows:

Final Test Level = Reading + Correct Factor

Correct Factor = Preamplifier Factor – Antenna Factor – Cable Factor

3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the above harmonics had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.

