

TEST REPORT

Product : Single mode Bluetooth(5.0) Module
Trade mark : Richmat
Model/Type reference : HJ8258
Serial Model : /
Report Number : EED39N81158801
FCC ID : 2AJJGHJ8258
Date of Issue : November 18, 2021

Test Standards	Result
<input checked="" type="checkbox"/> 47 CFR Part 15 Subpart C	PASS

Prepared for:

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

Prepared by:

Centre Testing International (Suzhou) CO., LTD.
Building 18, Zhihui New Town Ecological Industrial Park, No. 1206, Jinyang
East Road, Lujia Town, Kunshan, Jiangsu, China
TEL: +86-0512-5015 8288

Compiled by:

Jerry Yu

Reviewed by:

Lily Wang

Approved by:

Jeff Fang

Date:

November 18, 2021

Jeff Fang

Authorized Signatory

Check No.: 5507081121

Modification Record

No.	Last Report No.	Modification Description
1	EED39N81158801	First report

TABLE OF CONTENTS

1. Test Summary.....	4
2. Test Requirement.....	5
2.1. Test Environment.....	5
2.2. Test Condition.....	5
3. General Information.....	5
3.1. Client Information.....	5
3.2. General Description of EUT.....	5
3.3. Product Specification subjective to this standard.....	5
3.4. Tested System Details.....	6
3.5. Description of Support Units.....	6
3.6. Test Location.....	6
3.7. Test Facility.....	6
3.8. Deviation from Standards.....	7
3.9. Abnormalities from Standard Conditions.....	7
3.10. Other Information Requested by the Customer.....	7
3.11. Measurement Uncertainty (95% confidence levels, k=2).....	7
4. Equipment List.....	8
5. Radio Technical Requirements Specification.....	9
5.1. Reference Documents for Testing.....	9
5.2. Test Results List.....	9
Appendix A): Restricted bands around fundamental frequency (Radiated).....	10
Appendix B): Radiated Spurious Emissions.....	43

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:	21.3 °C
Humidity:	43.3 % RH
Atmospheric Pressure:	1022mbar

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:	DC 3.0V
Sample Received Date:	Nov. 10, 21
Sample Tested Date:	Nov. 11, 21 to Nov. 12, 21

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. : EED39N81158801

Antenna Gain ^① :	5.3dBi
Test Voltage:	DC 3.0V

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.
Handset	Richmat	Model Name.: HJH124 Ble ,HJH55 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

Report No. : EED39N81158801

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	2021-10-23	2022-10-22
Loop Antenna (9kHz~30MHz)	TESEQ	HLA6121	54575	2021-02-27	2022-02-26
Antenna (30MHz~1GHz)	SCHWARZBEC K	VULB9163	9163-965	2021-10-15	2022-10-14
Antenna (1GHz~18GHz)	R&S	HF907	102524	2020-12-15	2021-12-14
Antenna (18GHz~40GHz)	R&S	BBHA9170	1032	2021-10-23	2022-10-22
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 border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <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> </tbody> </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:	<p>Below 1GHz test procedure as below:</p> <ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. 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 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. 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 <p>Above 1GHz test procedure as below:</p> <ol style="list-style-type: none"> 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). Test the EUT in the lowest 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 border="1"> <thead> <tr> <th>Frequency</th> <th>Limit (dBμV/m @3m)</th> <th>Remark</th> </tr> </thead> <tbody> <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> </tbody> </table>	Frequency	Limit (dB μ V/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 (dB μ V/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																			

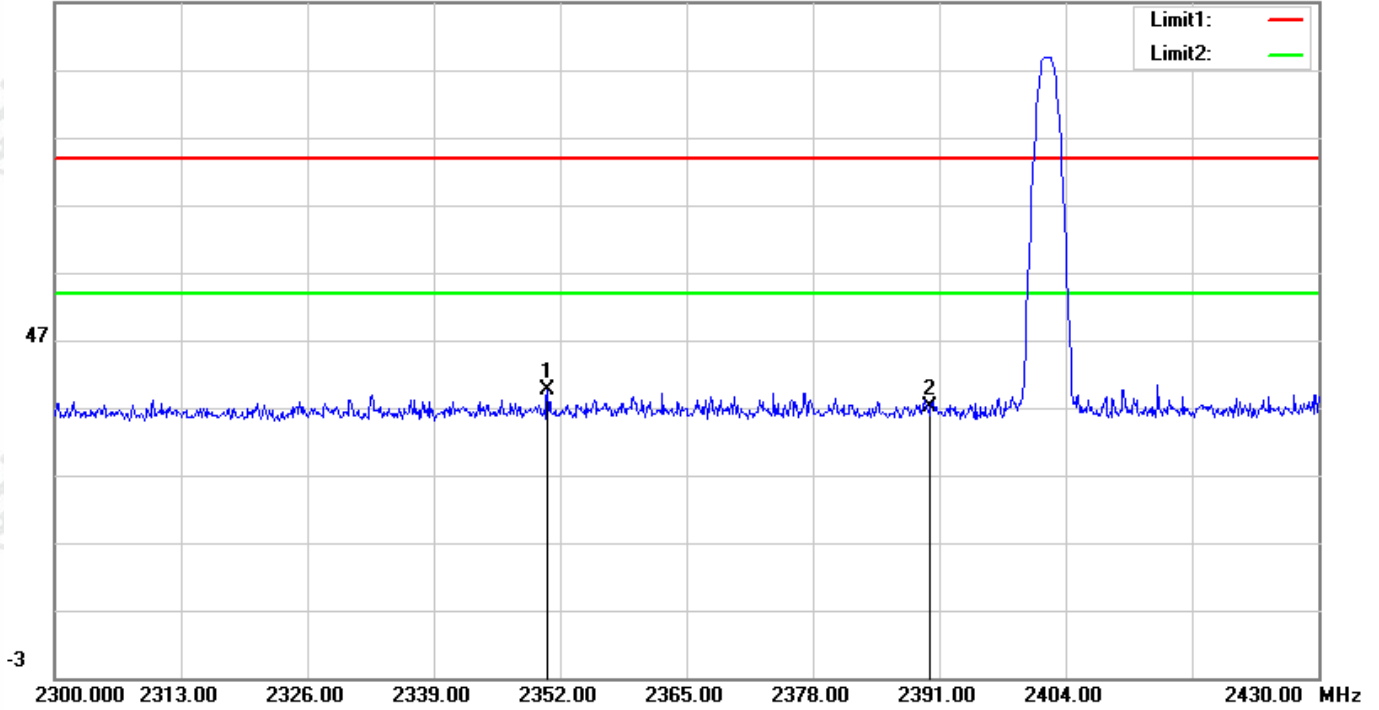
Report No. : EED39N81158801

Test plot as follows:

Mode:	BLE_1M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

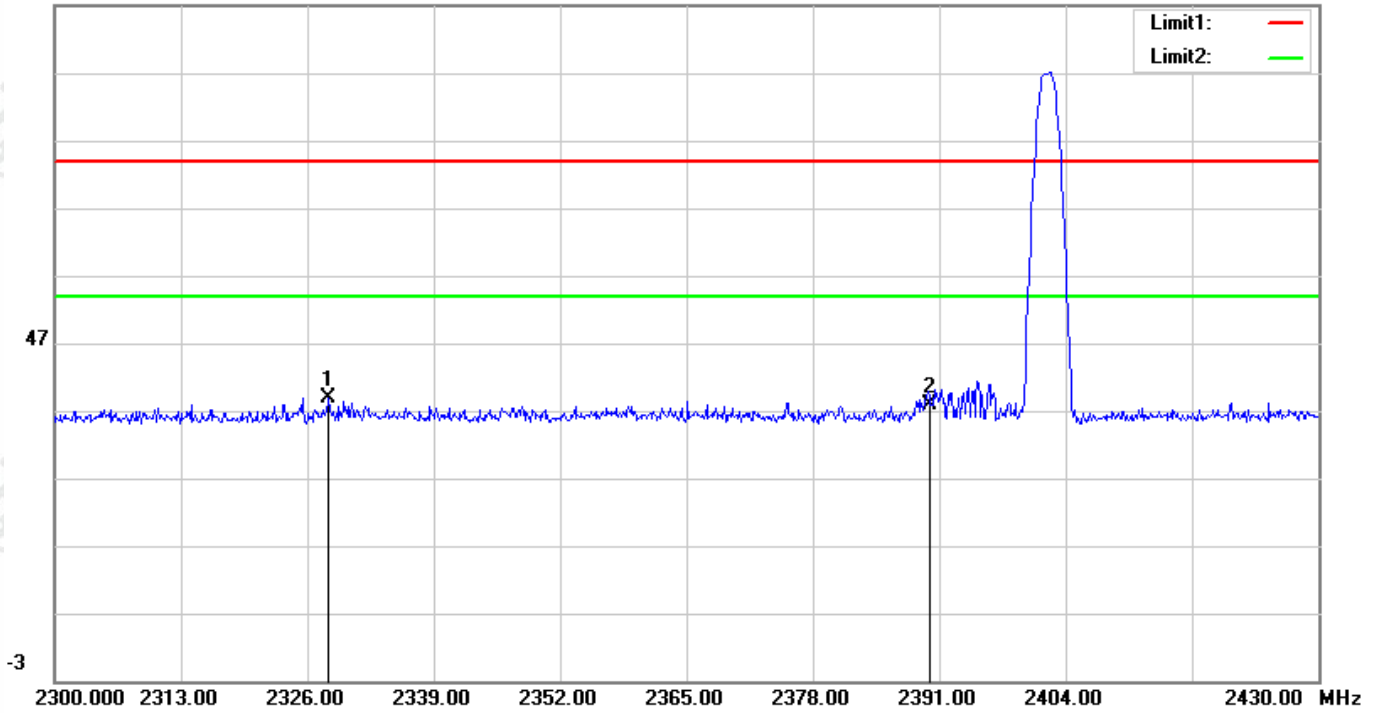


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2350.700	37.00	2.61	39.61	74.00	-34.39	200	63	peak
2	2390.000	34.34	2.71	37.05	74.00	-36.95	100	150	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

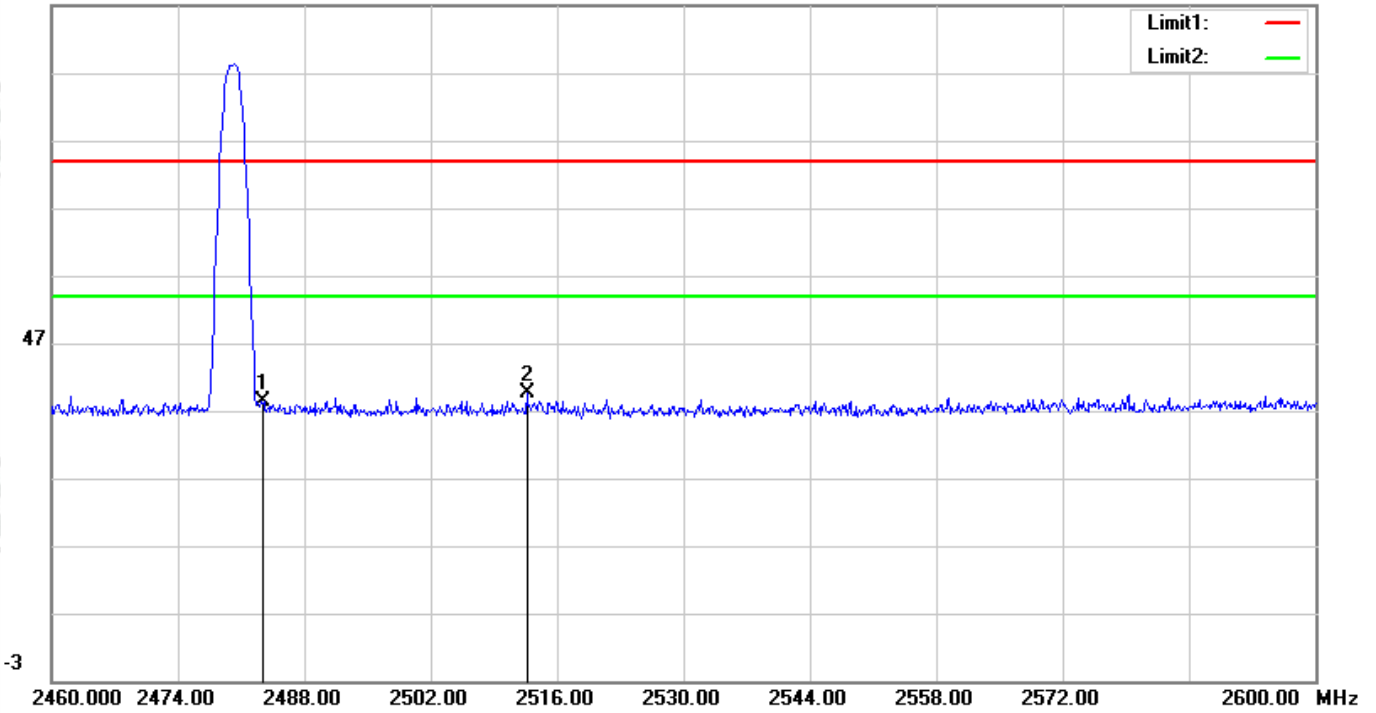


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2328.210	36.23	2.55	38.78	74.00	-35.22	200	31	peak
2	2390.000	35.26	2.71	37.97	74.00	-36.03	110	0	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

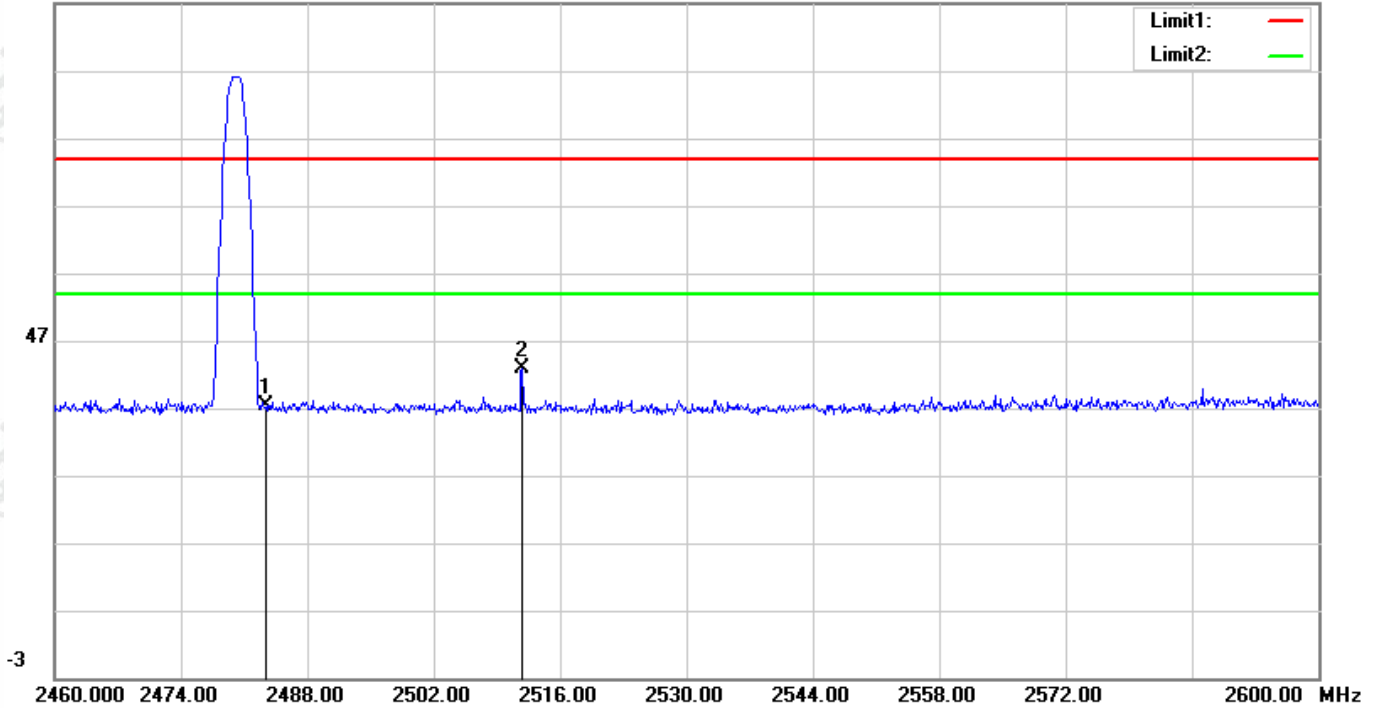


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.52	2.92	38.44	74.00	-35.56	100	24	peak
2	2512.640	36.65	2.98	39.63	74.00	-34.37	200	233	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

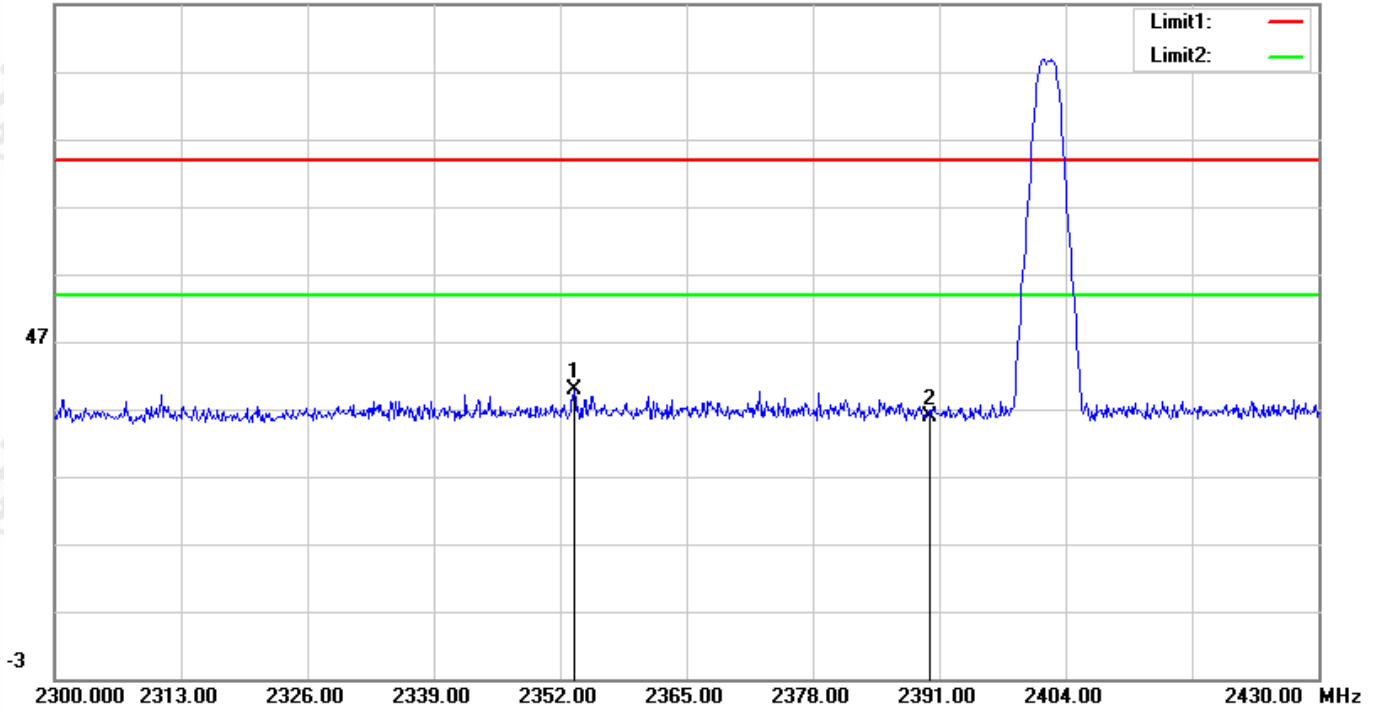


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.47	2.92	37.39	74.00	-36.61	100	347	peak
2	2511.800	39.89	2.97	42.86	74.00	-31.14	107	0	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

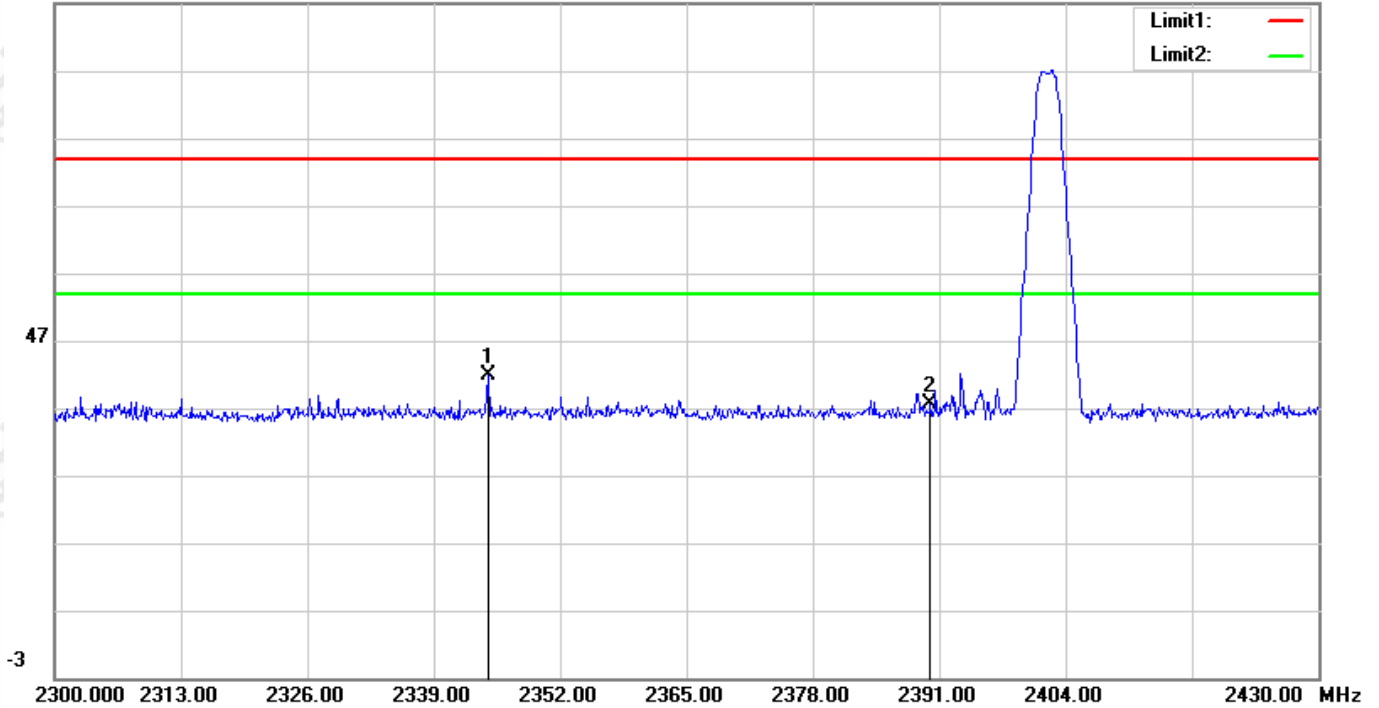


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2353.430	37.20	2.61	39.81	74.00	-34.19	200	324	peak
2	2390.000	33.14	2.71	35.85	74.00	-38.15	183	0	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

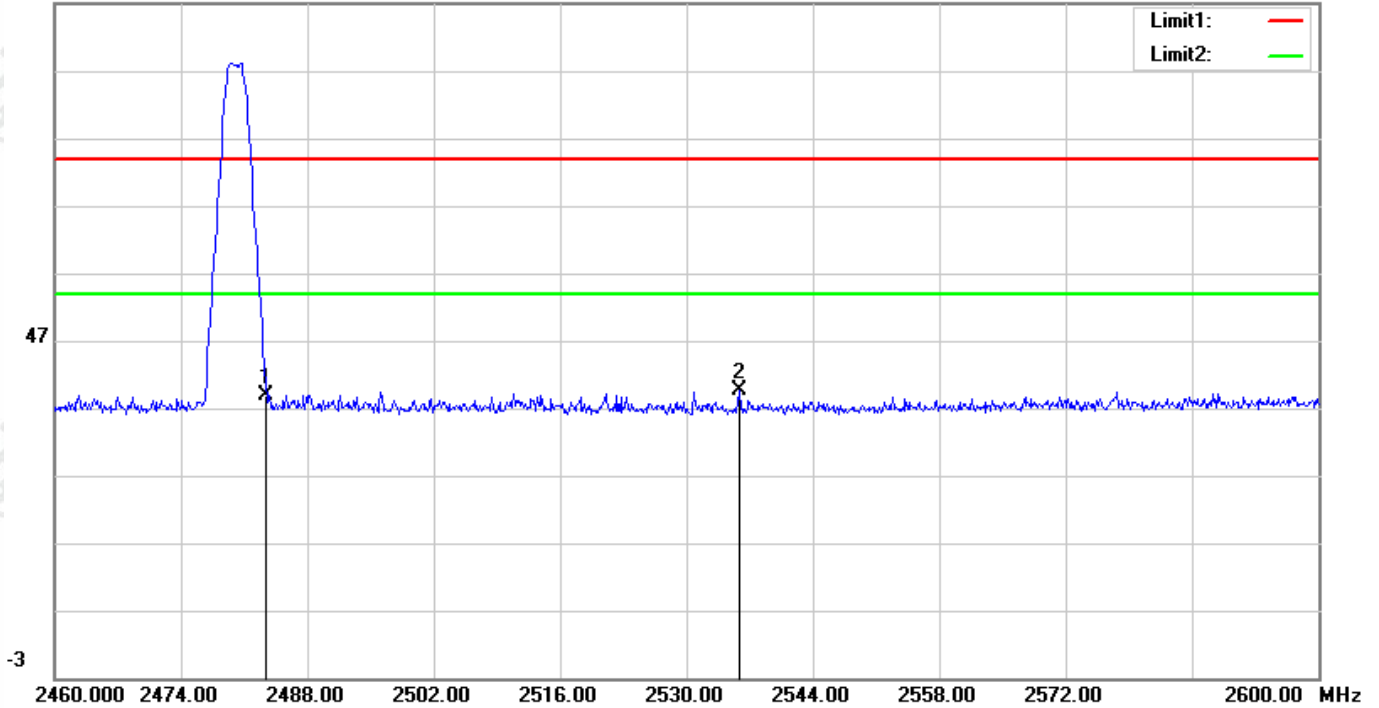


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2344.590	39.24	2.59	41.83	74.00	-32.17	110	0	peak
2	2390.000	34.80	2.71	37.51	74.00	-36.49	200	235	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

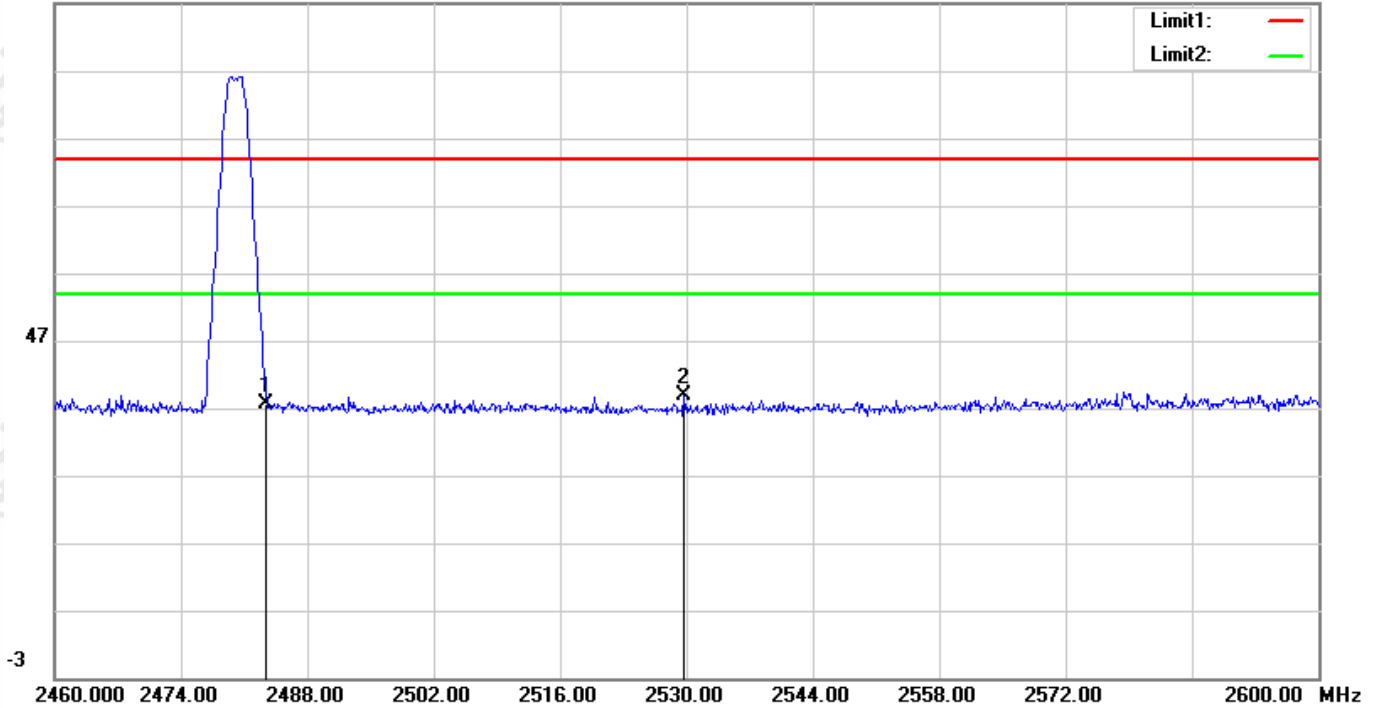


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	36.07	2.92	38.99	74.00	-35.01	100	234	peak
2	2535.880	36.70	3.03	39.73	74.00	-34.27	100	42	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

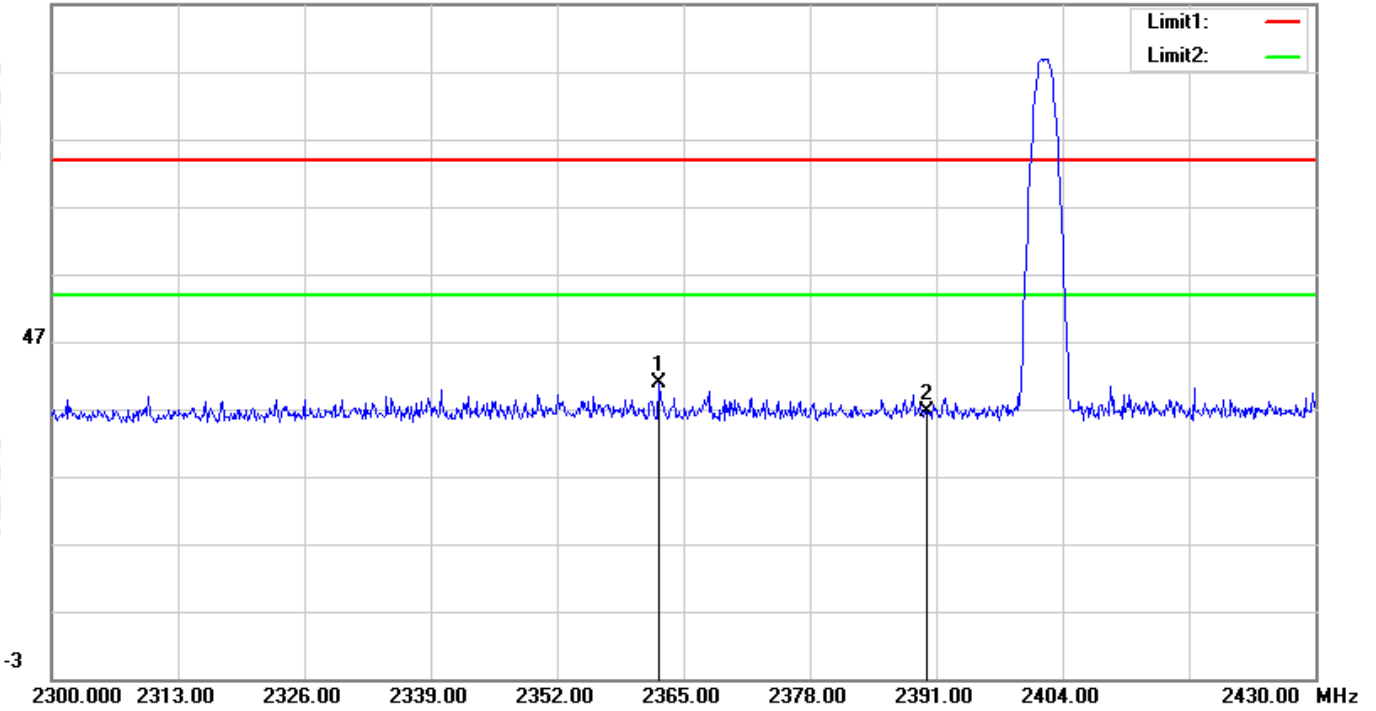


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.60	2.92	37.52	74.00	-36.48	200	14	peak
2	2529.720	35.84	3.01	38.85	74.00	-35.15	200	203	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

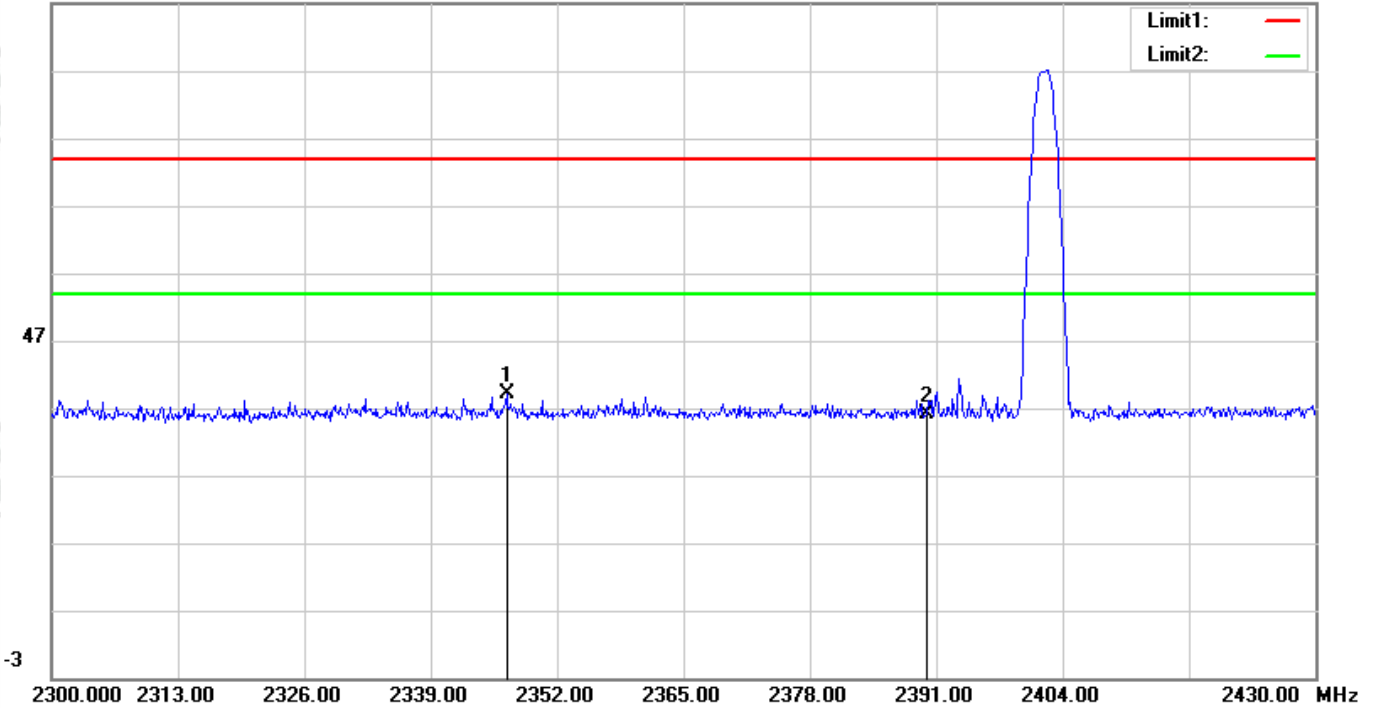


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2362.400	38.16	2.64	40.80	74.00	-33.20	200	321	peak
2	2390.000	33.94	2.71	36.65	74.00	-37.35	184	0	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

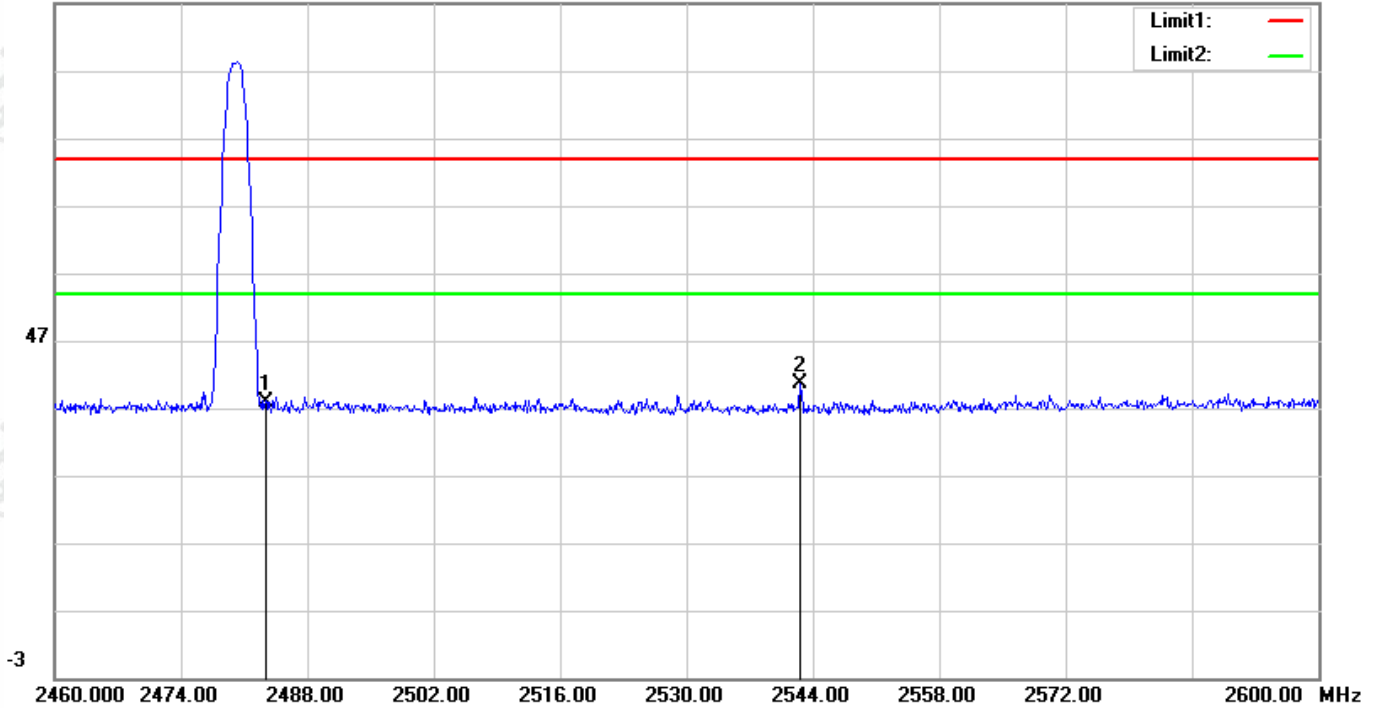


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2346.800	36.54	2.60	39.14	74.00	-34.86	200	93	peak
2	2390.000	33.45	2.71	36.16	74.00	-37.84	200	50	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

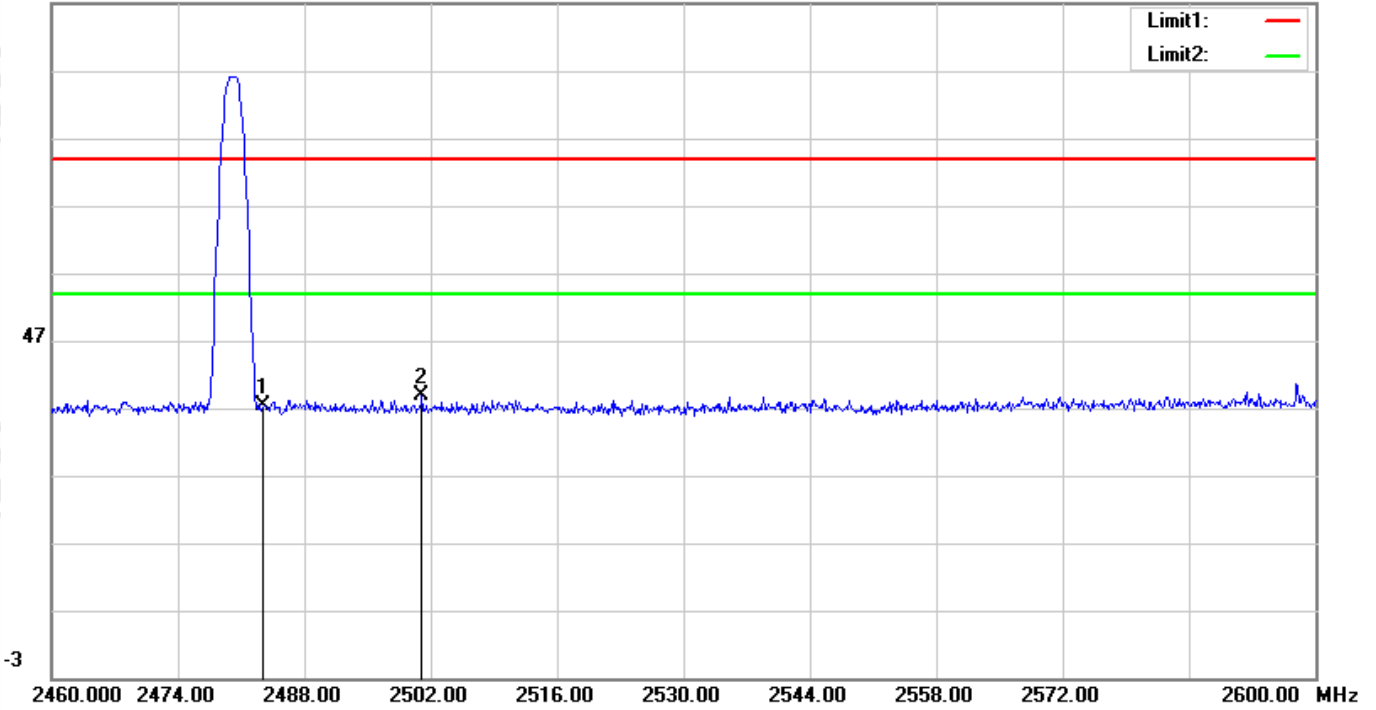


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.99	2.92	37.91	74.00	-36.09	200	184	peak
2	2542.600	37.59	3.04	40.63	74.00	-33.37	200	28	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

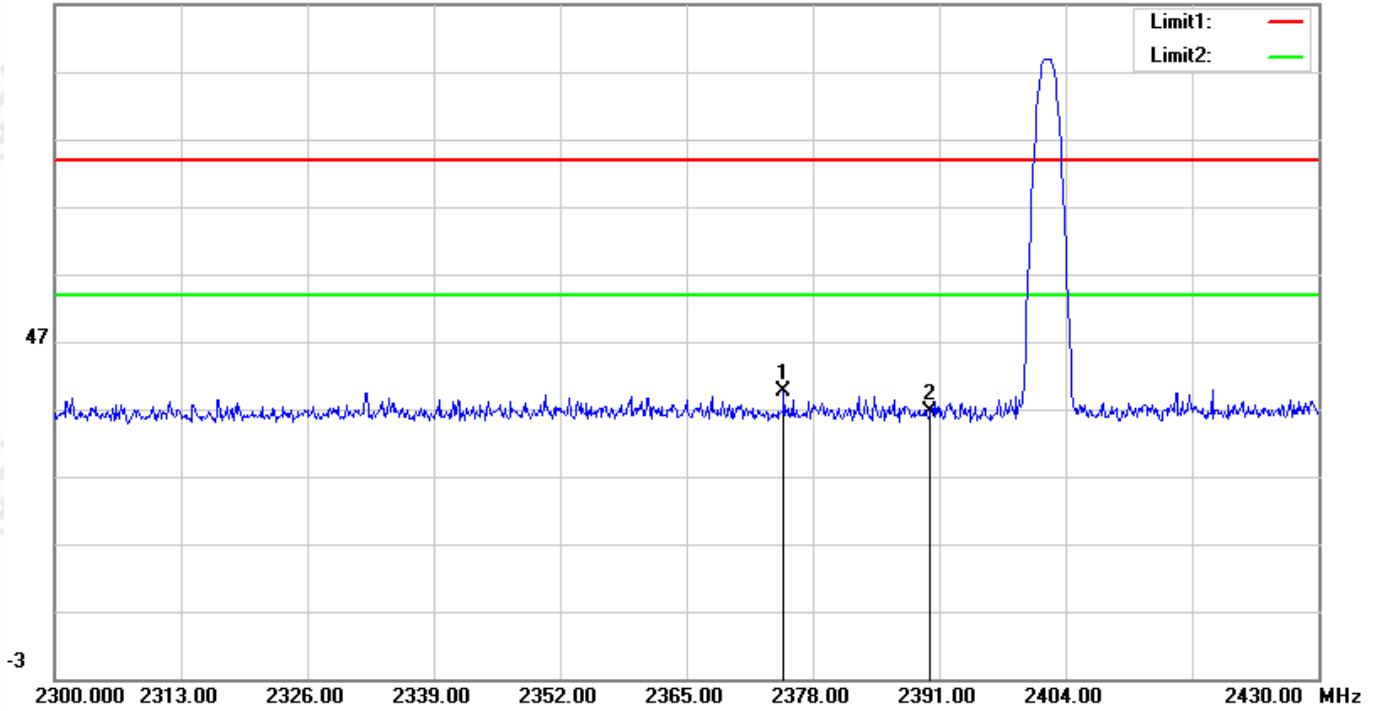


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.44	2.92	37.36	74.00	-36.64	100	0	peak
2	2501.020	35.81	2.95	38.76	74.00	-35.24	100	155	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

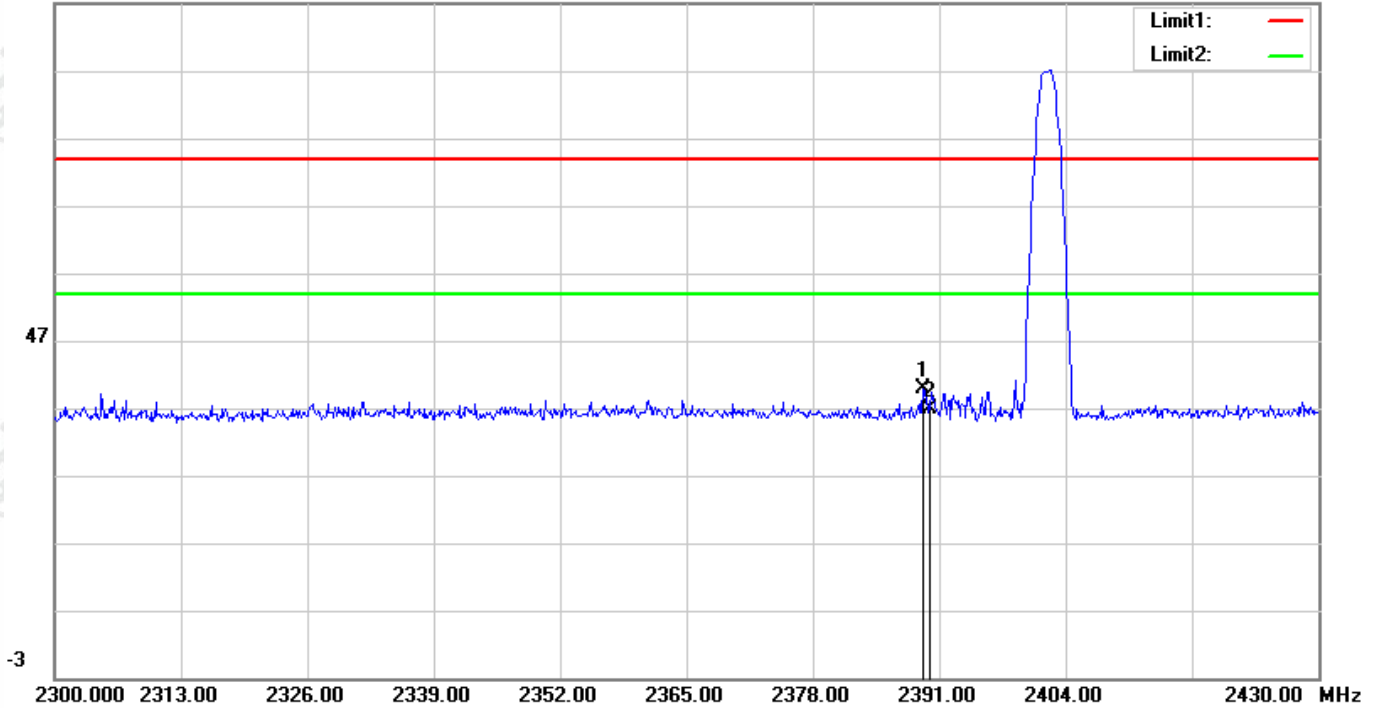


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2375.010	36.84	2.67	39.51	74.00	-34.49	100	46	peak
2	2390.000	33.90	2.71	36.61	74.00	-37.39	200	312	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

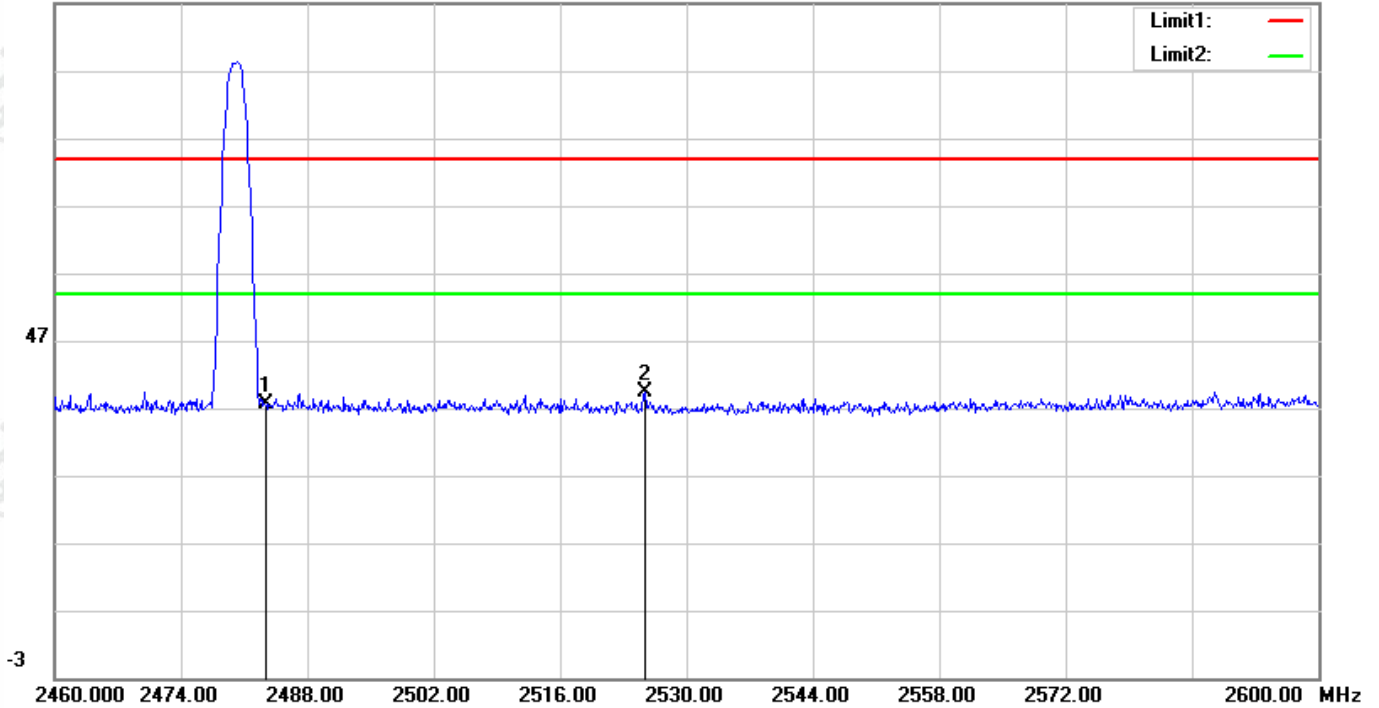


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2389.310	37.26	2.71	39.97	74.00	-34.03	200	2	peak
2	2390.000	34.17	2.71	36.88	74.00	-37.12	100	292	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

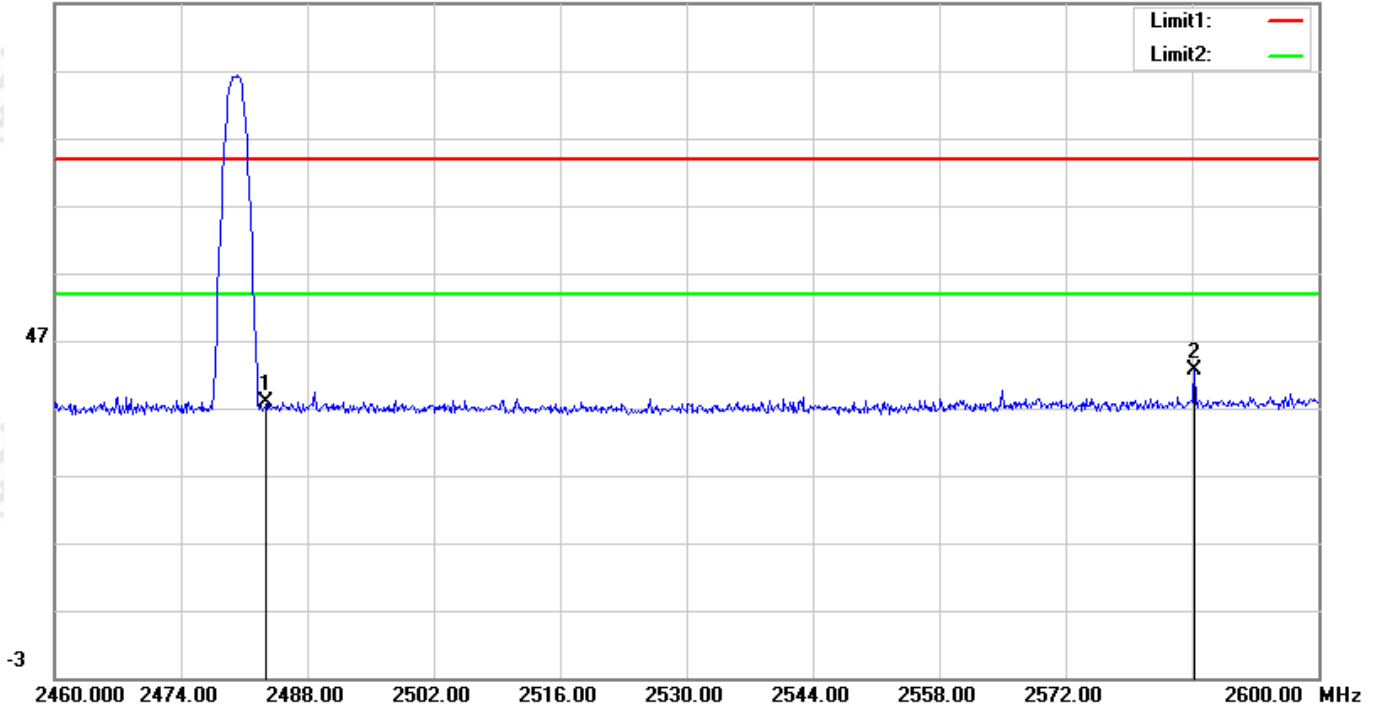


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.82	2.92	37.74	74.00	-36.26	100	276	peak
2	2525.380	36.30	3.00	39.30	74.00	-34.70	200	334	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJH124 Ble

Test Graph

97.0 dBuV/m

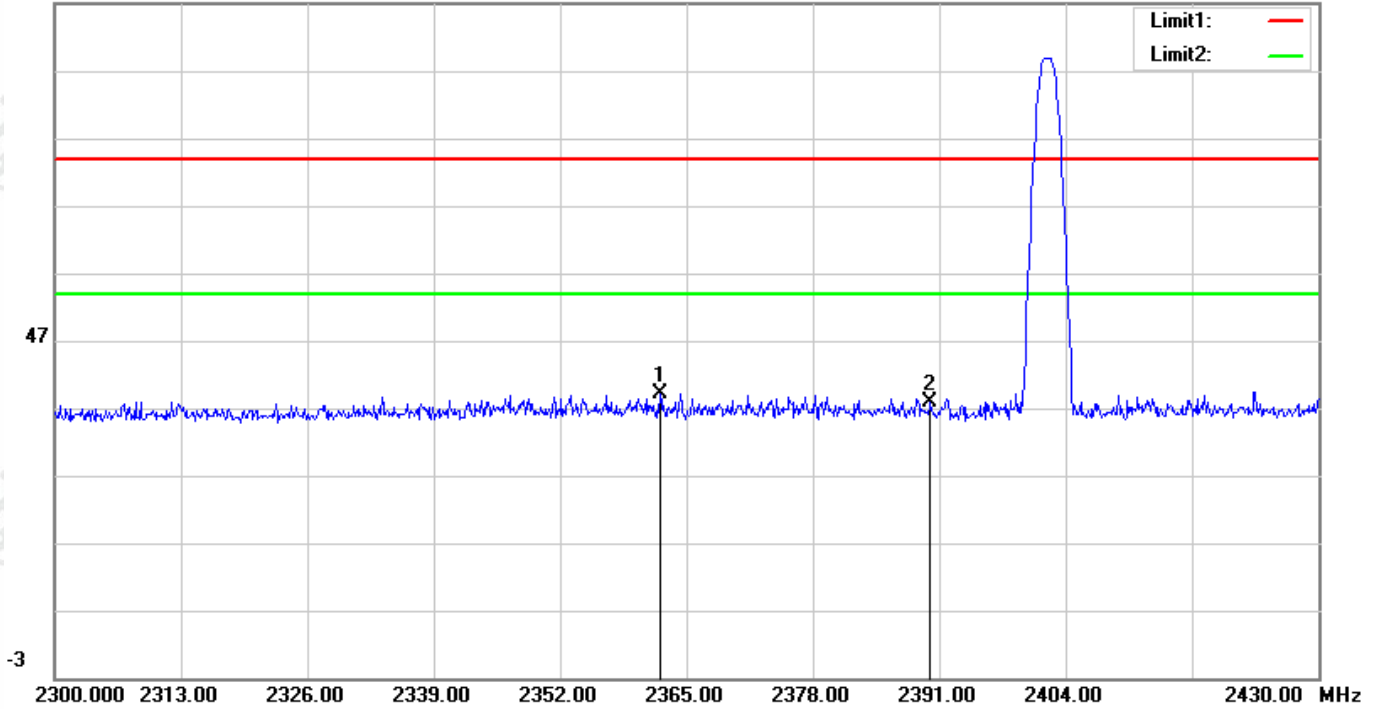


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.07	2.92	37.99	74.00	-36.01	200	273	peak
2	2586.280	39.46	3.13	42.59	74.00	-31.41	130	0	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

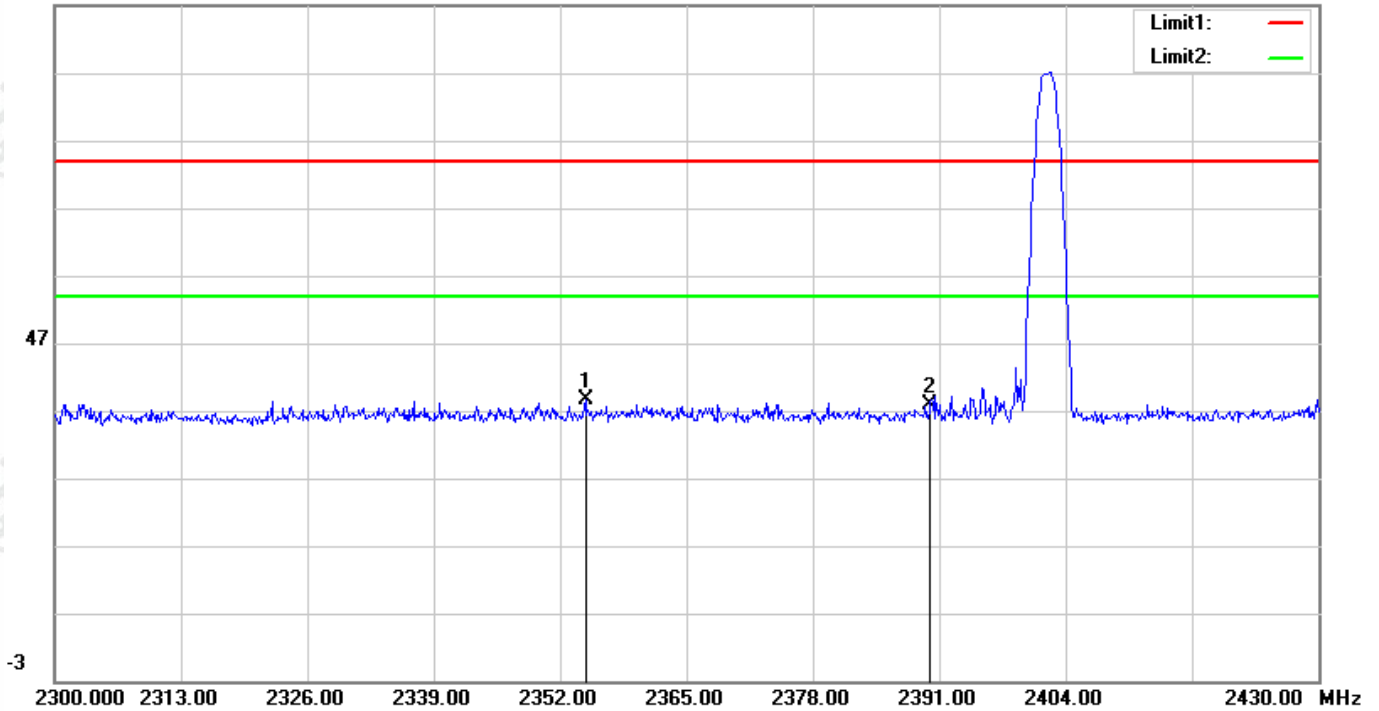


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2362.270	36.43	2.64	39.07	74.00	-34.93	200	317	peak
2	2390.000	35.06	2.71	37.77	74.00	-36.23	100	338	peak

Mode:	BLE_1M	Channel:	2402
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

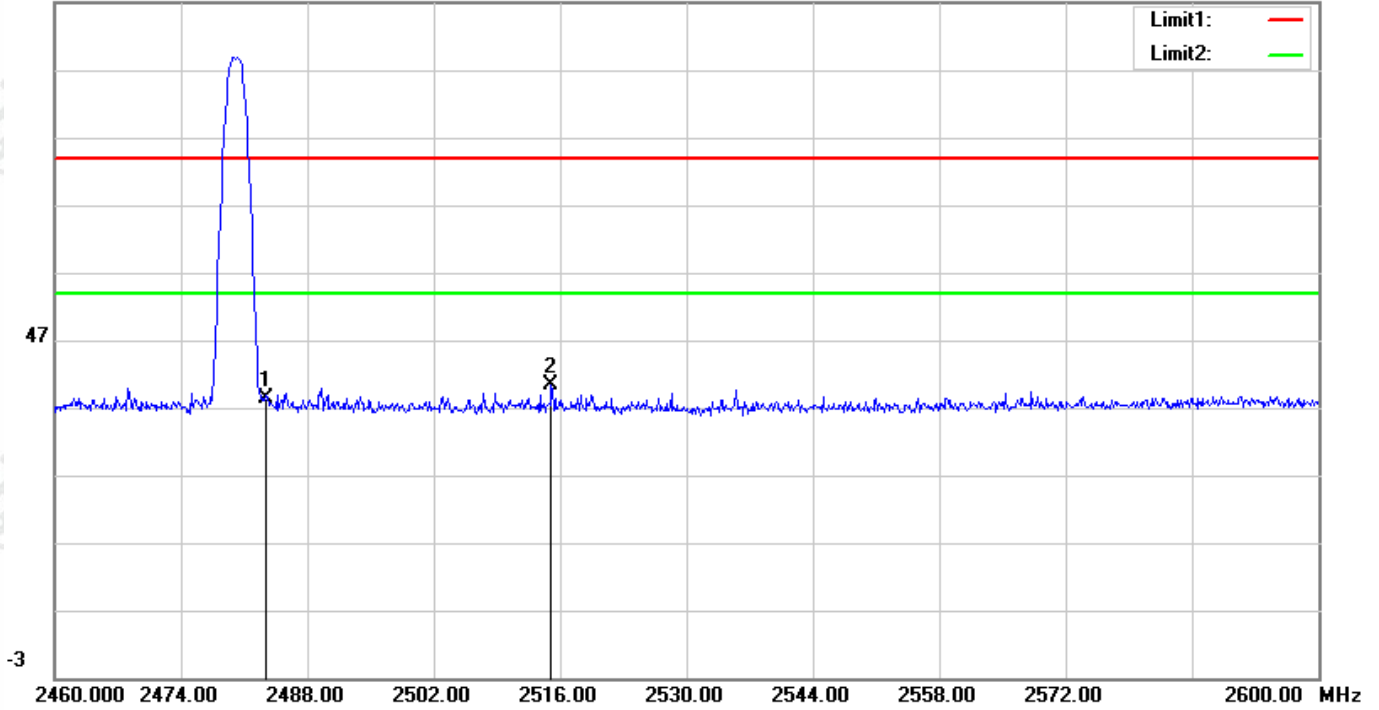


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2354.600	35.97	2.62	38.59	74.00	-35.41	100	344	peak
2	2390.000	35.29	2.71	38.00	74.00	-36.00	200	357	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

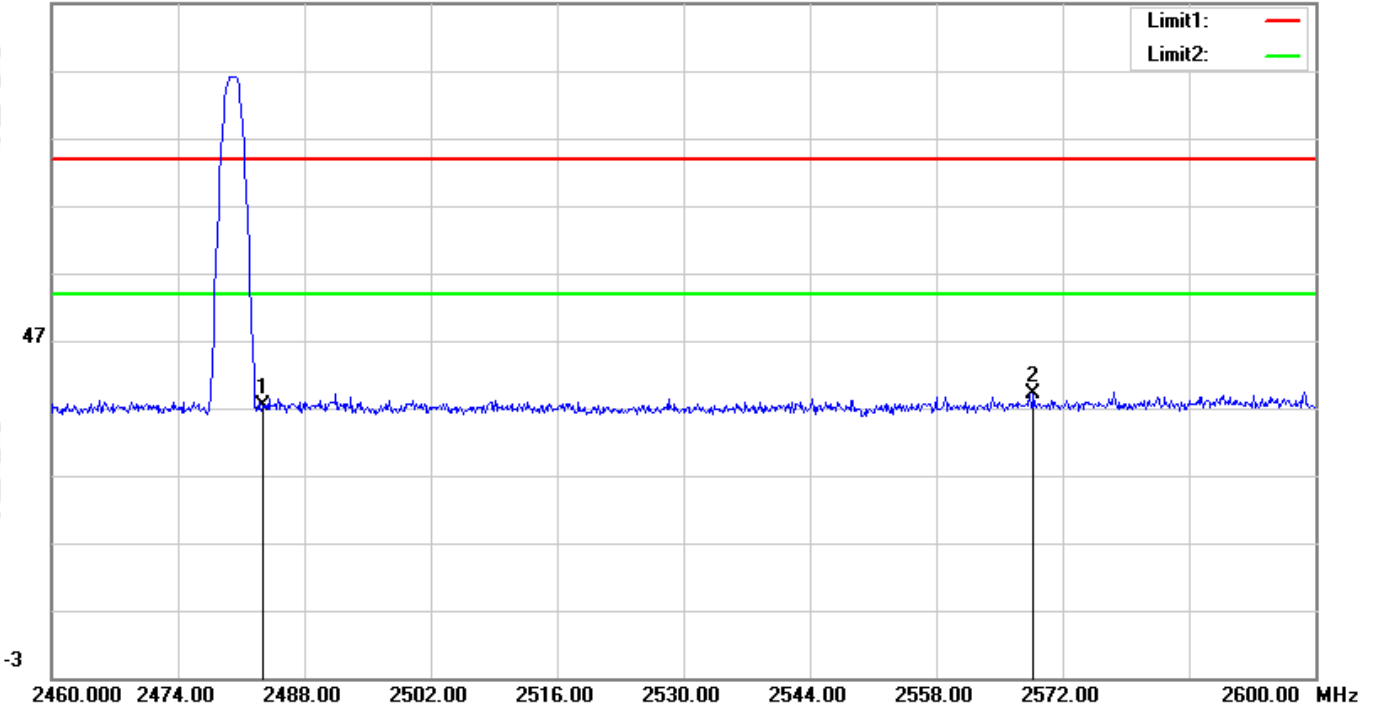


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.55	2.92	38.47	74.00	-35.53	200	31	peak
2	2515.020	37.28	2.98	40.26	74.00	-33.74	100	40	peak

Mode:	BLE_1M	Channel:	2480
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m



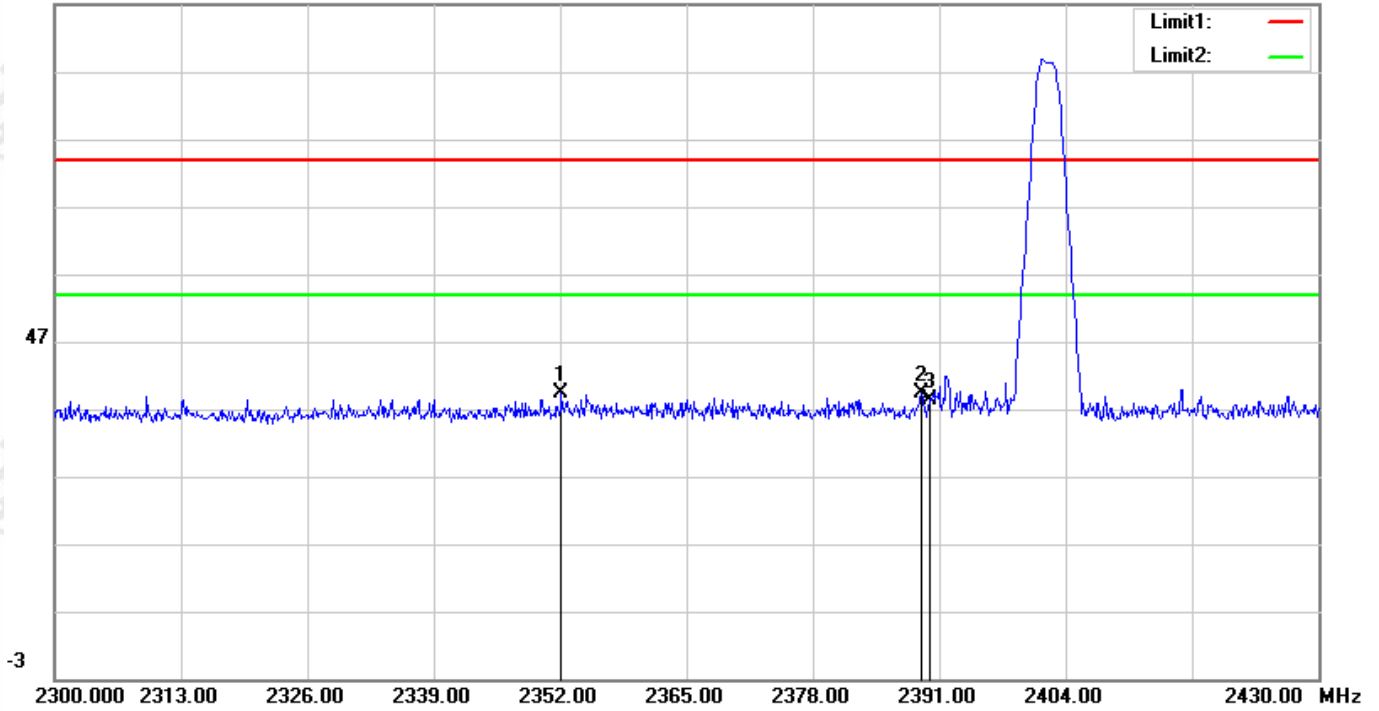
No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.45	2.92	37.37	74.00	-36.63	200	191	peak
2	2568.780	36.15	3.09	39.24	74.00	-34.76	161	0	peak

Report No. : EED39N81158801

Mode:	BLE_2M	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

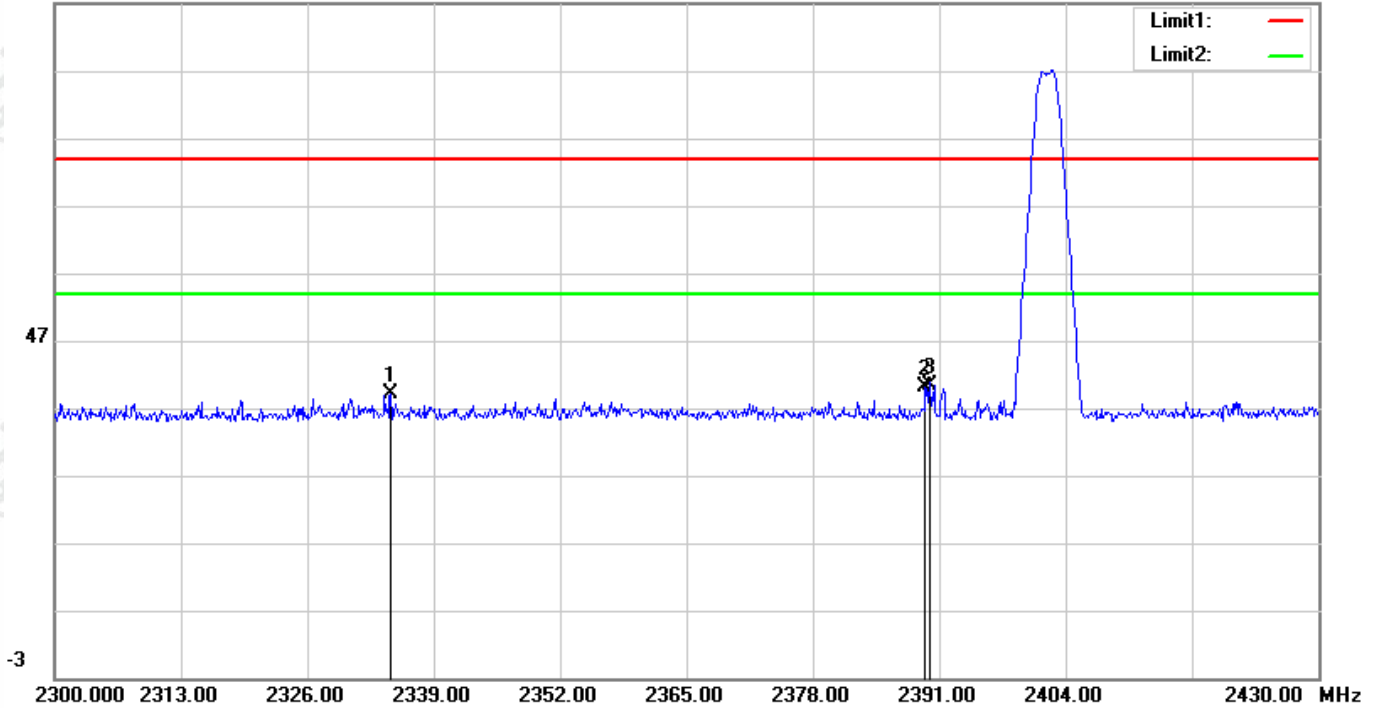


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2352.130	36.68	2.61	39.29	74.00	-34.71	200	66	peak
2	2389.180	36.61	2.71	39.32	74.00	-34.68	100	325	peak
3	2390.000	35.68	2.71	38.39	74.00	-35.61	200	322	peak

Mode:	BLE_2M	Channel:	2402
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

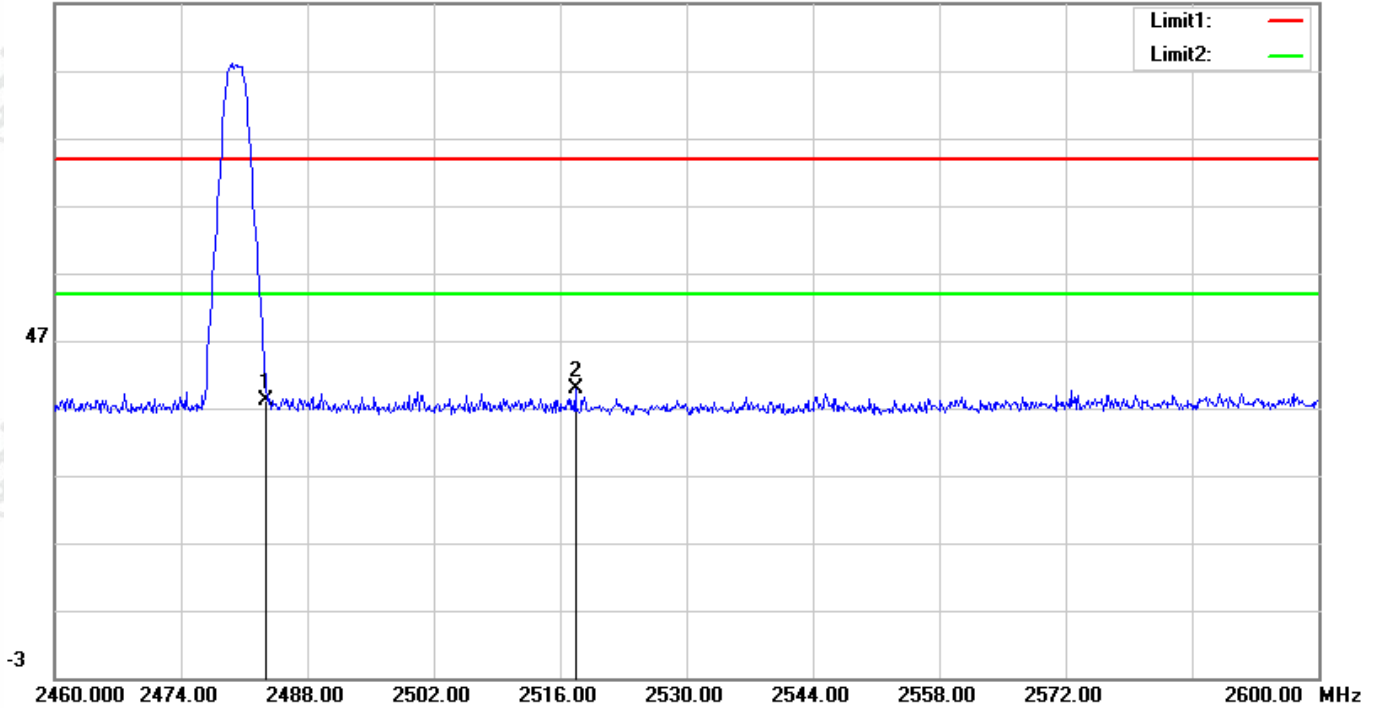


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2334.580	36.51	2.56	39.07	74.00	-34.93	200	89	peak
2	2389.570	37.31	2.71	40.02	74.00	-33.98	190	0	peak
3	2390.000	37.75	2.71	40.46	74.00	-33.54	190	0	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

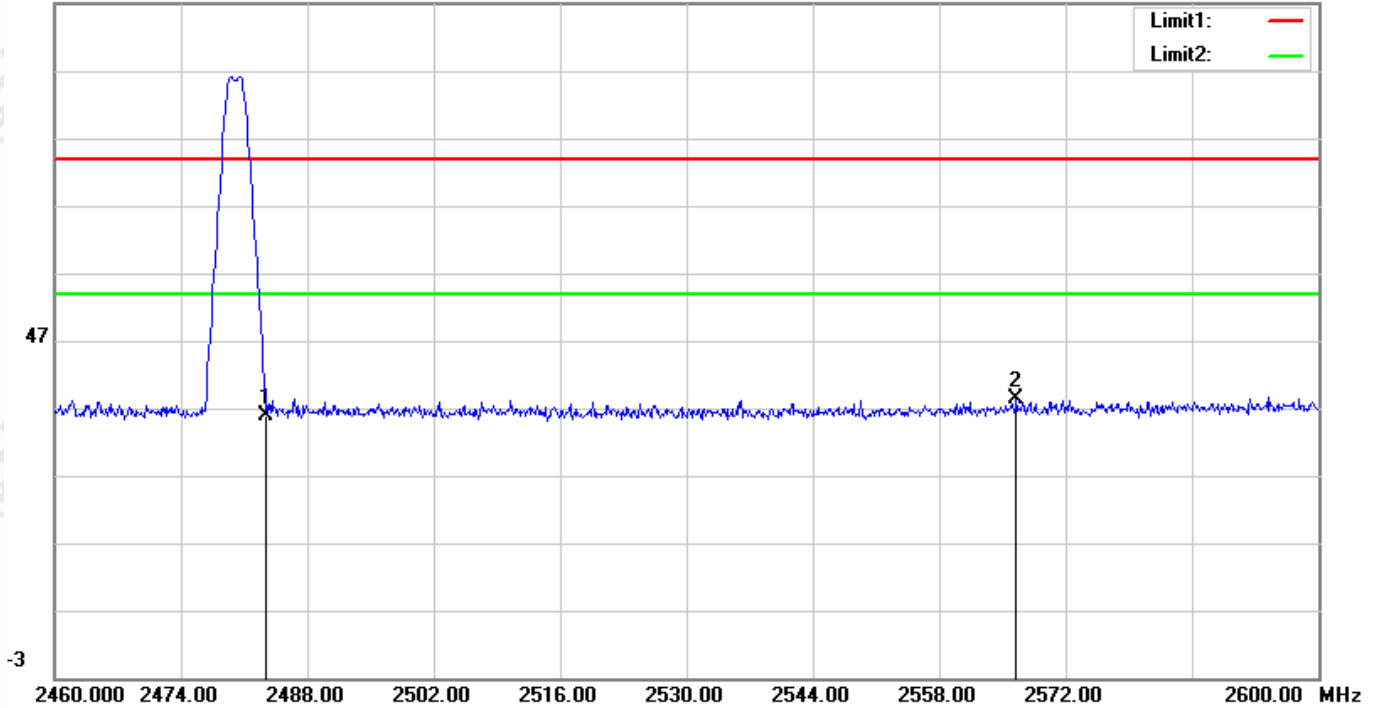


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.28	2.92	38.20	74.00	-35.80	163	0	peak
2	2517.680	36.82	2.99	39.81	74.00	-34.19	200	343	peak

Mode:	BLE_2M	Channel:	2480
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

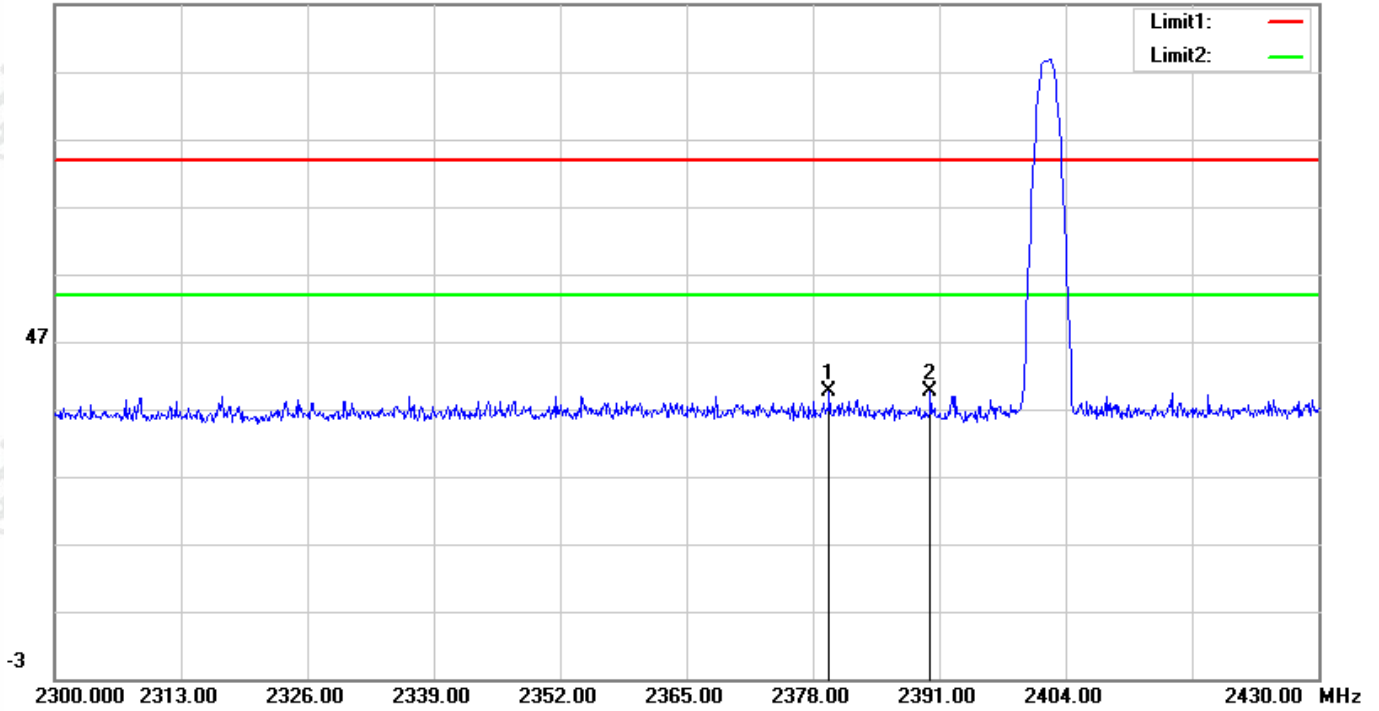


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	33.01	2.92	35.93	74.00	-38.07	200	193	peak
2	2566.540	35.17	3.09	38.26	74.00	-35.74	200	88	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

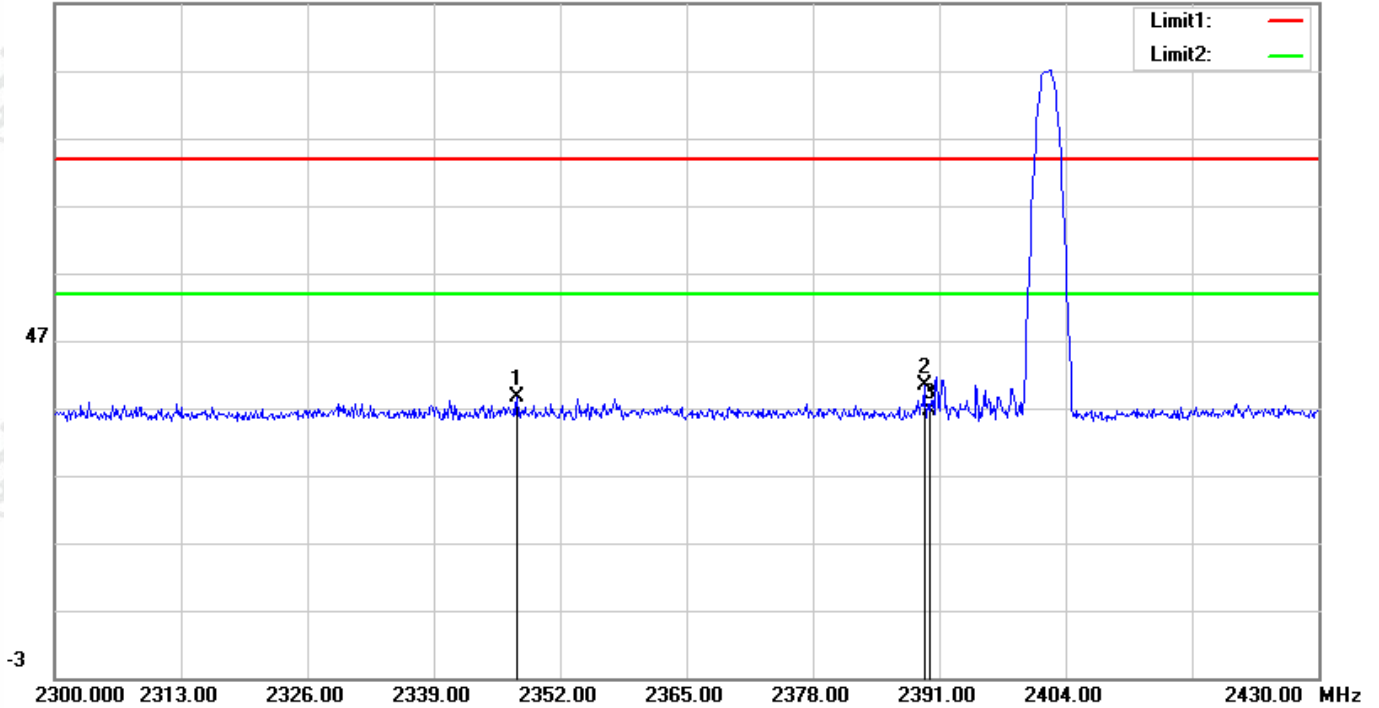


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2379.690	36.82	2.69	39.51	74.00	-34.49	100	148	peak
2	2390.000	36.92	2.71	39.63	74.00	-34.37	200	317	peak

Mode:	BLE_125kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

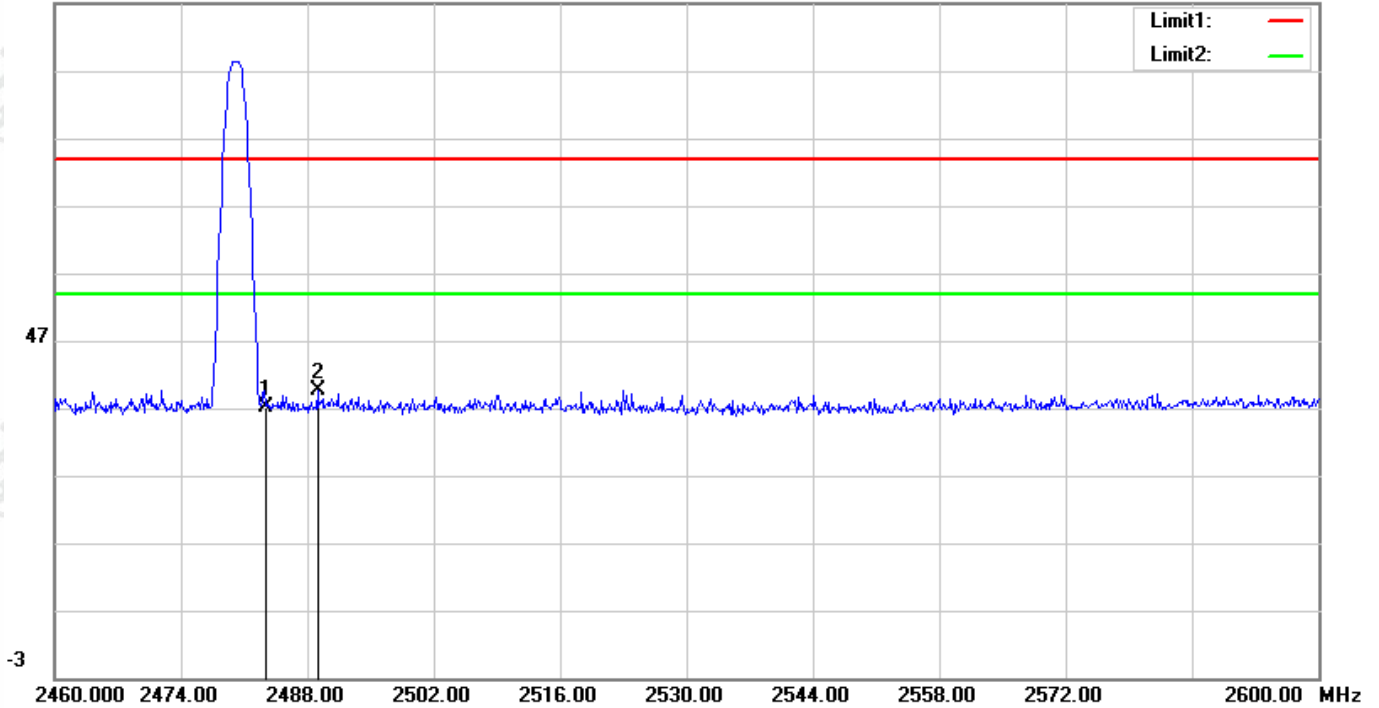


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2347.580	35.98	2.60	38.58	74.00	-35.42	200	99	peak
2	2389.440	37.71	2.71	40.42	74.00	-33.58	100	360	peak
3	2390.000	33.83	2.71	36.54	74.00	-37.46	100	2	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

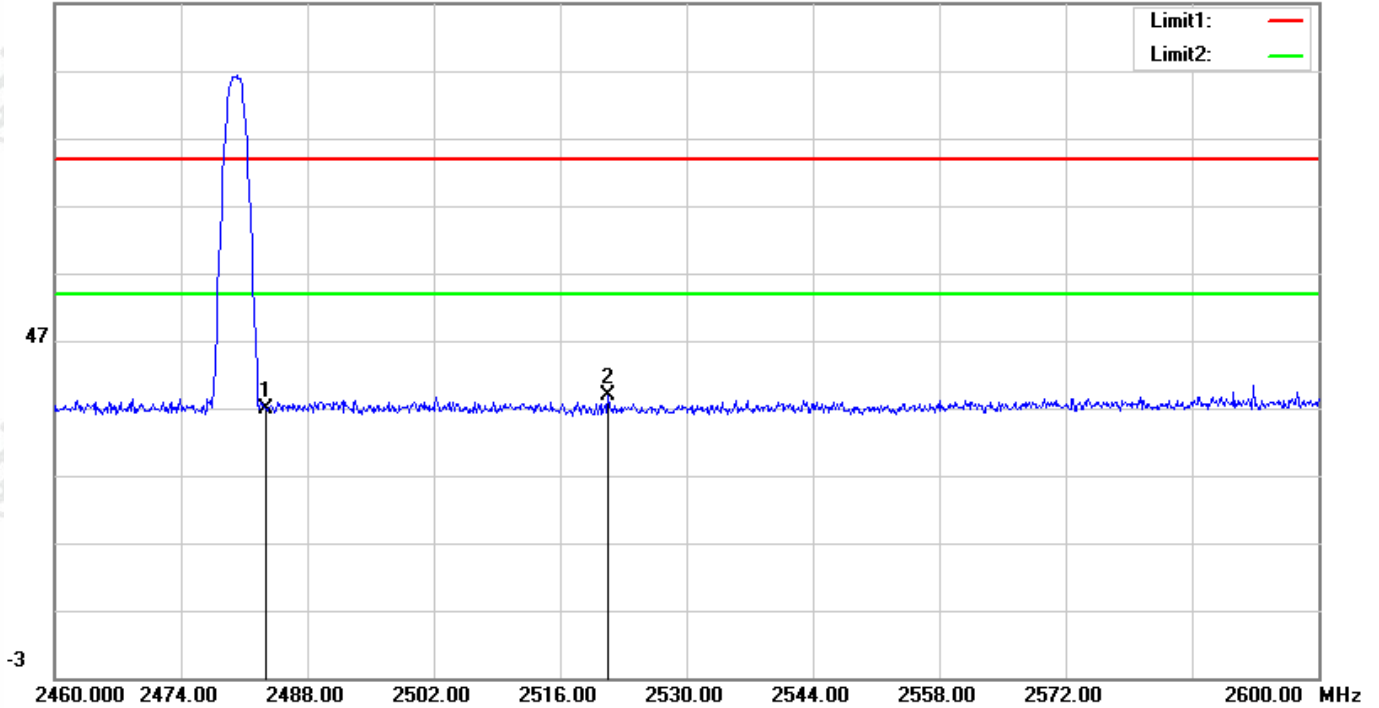


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.16	2.92	37.08	74.00	-36.92	100	0	peak
2	2489.120	36.59	2.93	39.52	74.00	-34.48	100	154	peak

Mode:	BLE_125kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

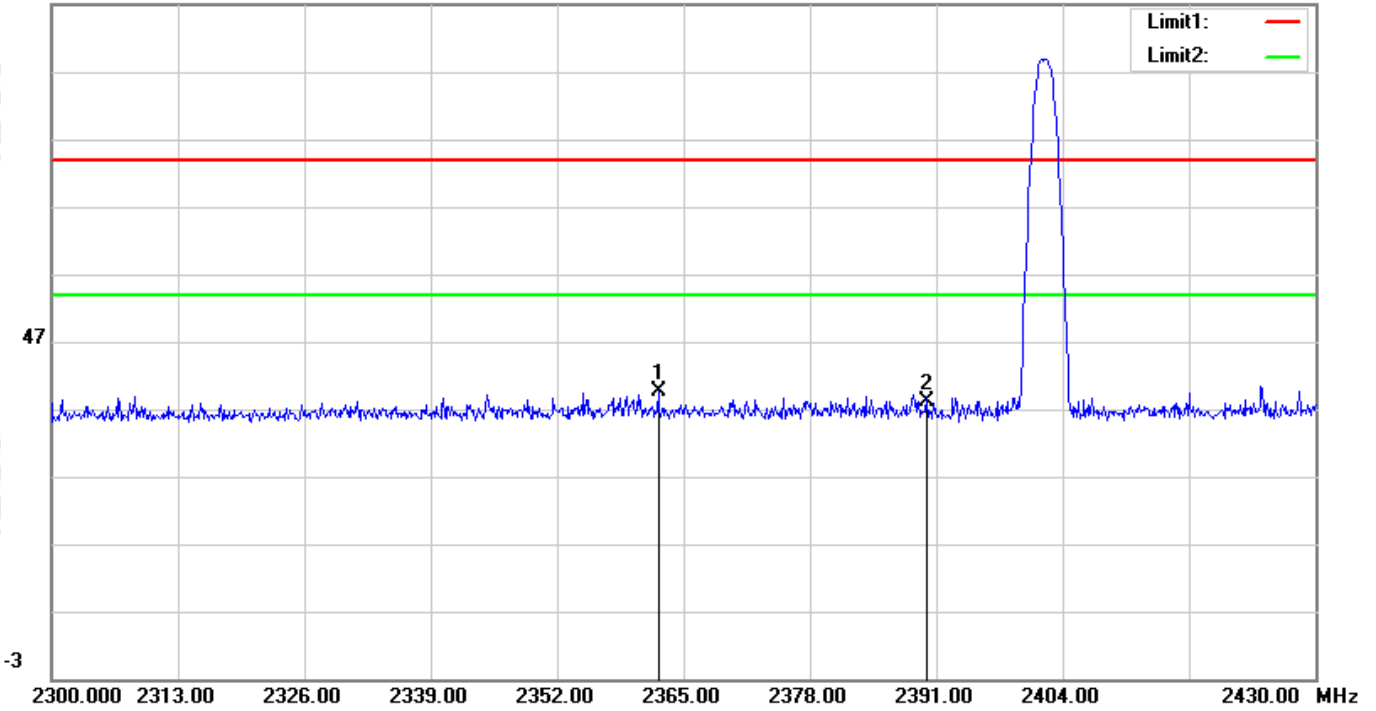


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	34.08	2.92	37.00	74.00	-37.00	111	0	peak
2	2521.320	35.92	2.99	38.91	74.00	-35.09	100	286	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

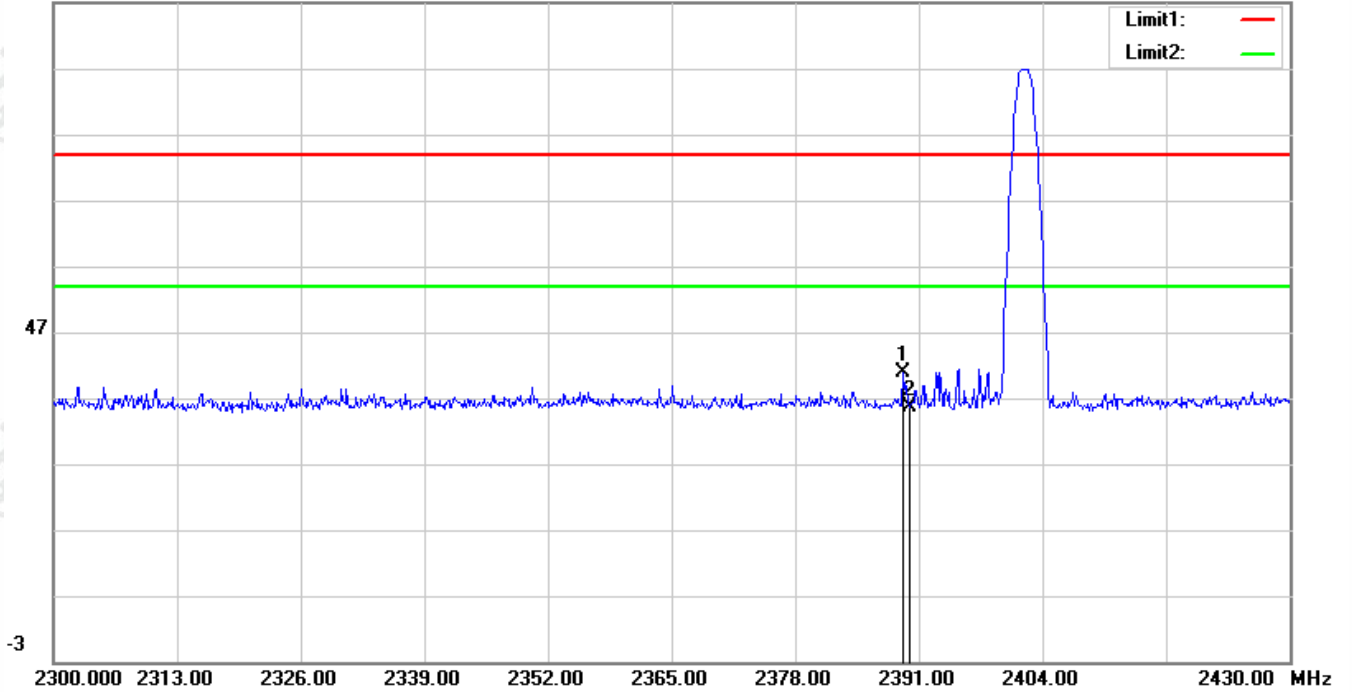


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2362.400	36.92	2.64	39.56	74.00	-34.44	200	319	peak
2	2390.000	35.38	2.71	38.09	74.00	-35.91	200	326	peak

Mode:	BLE_500kbps	Channel:	2402
Remark:	Vertical	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

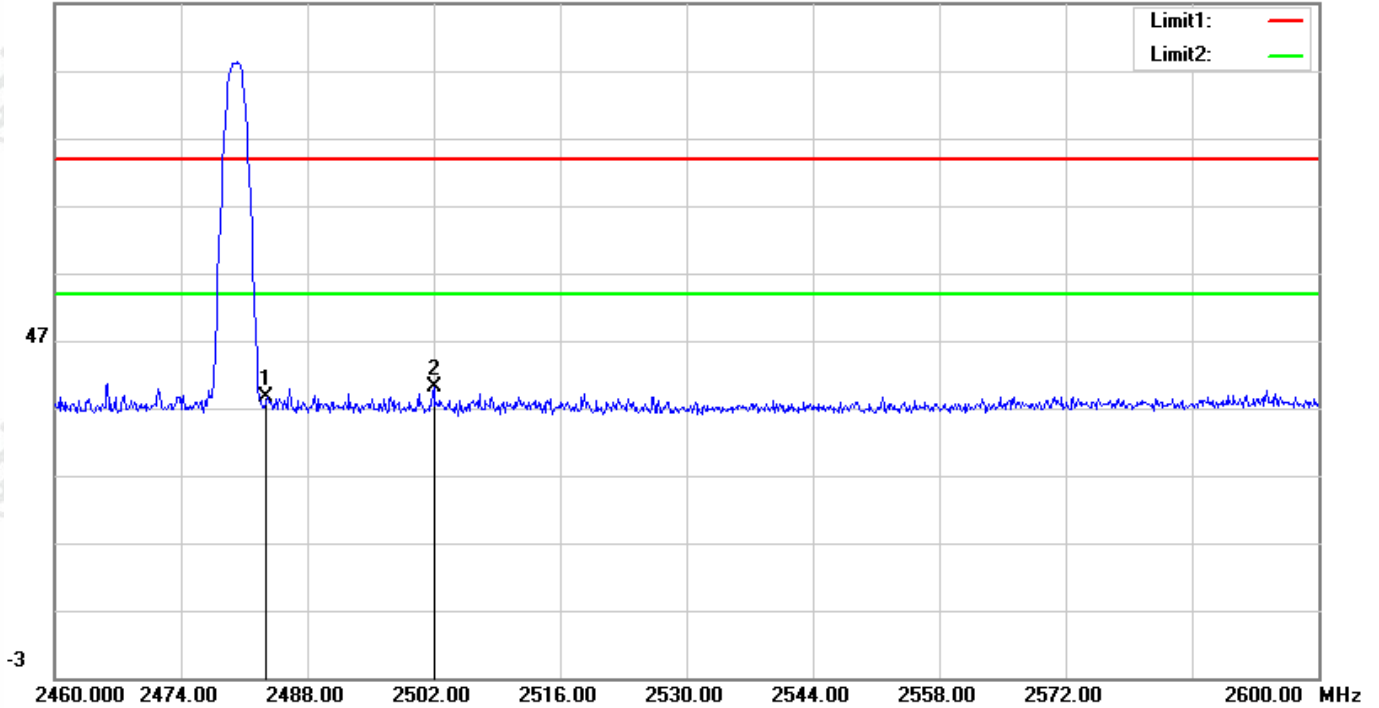


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2389.310	38.27	2.71	40.98	74.00	-33.02	200	360	peak
2	2390.000	32.82	2.71	35.53	74.00	-38.47	100	131	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Horizontal	Test model No.:	HJH55 Ble

Test Graph

97.0 dBuV/m

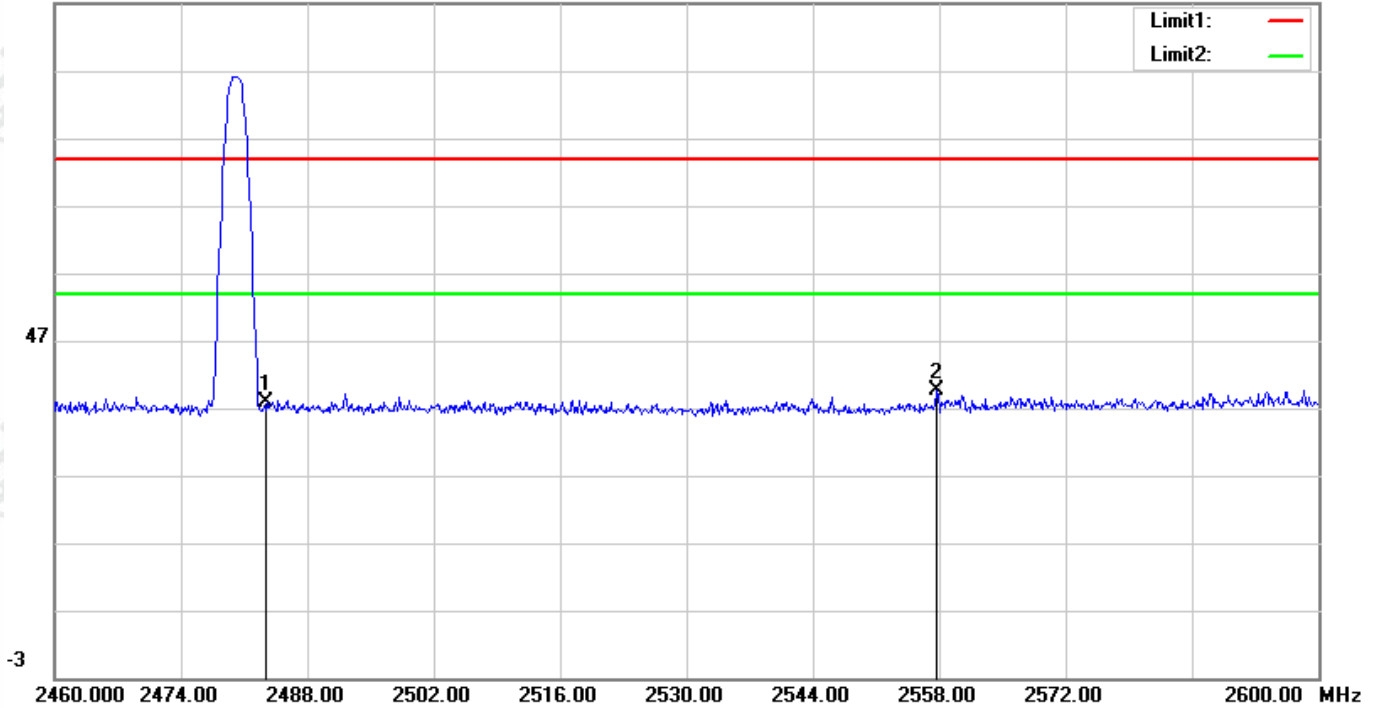


No.	Frequency (MHz)	Reading (dBuV)	Correct Factor(dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Height (cm)	Degree (deg.)	Remark
1	2483.500	35.77	2.92	38.69	74.00	-35.31	200	344	peak
2	2502.000	37.26	2.95	40.21	74.00	-33.79	100	38	peak

Mode:	BLE_500kbps	Channel:	2480
Remark:	Vertical	Test model No.:	HJH55 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	34.85	2.92	37.77	74.00	-36.23	100	26	peak
2	2557.720	36.52	3.07	39.59	74.00	-34.41	100	357	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 border="1"> <thead> <tr> <th>Frequency</th> <th>Detector</th> <th>RBW</th> <th>VBW</th> <th>Remark</th> </tr> </thead> <tbody> <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> </tbody> </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:	<p>Below 1GHz test procedure as below:</p> <ol style="list-style-type: none"> The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter semi-anechoic chamber. 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. <p>Above 1GHz test procedure as below:</p> <ol style="list-style-type: none"> 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 border="1"> <thead> <tr> <th>Frequency</th> <th>Field strength microvolt/meter)</th> <th>Limit (dBμV/m)</th> <th>Remark</th> <th>Measurement distance (m)</th> </tr> </thead> <tbody> <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> </tbody> </table> <p>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.</p>	Frequency	Field strength microvolt/meter)	Limit (dB μ V/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 (dB μ V/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																																														

Report No. : EED39N81158801

Radiated Spurious Emissions test Data:

Radiated Emission below 1GHz:

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJH124 Ble		

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
48.4300	V	40.37	-17.62	22.75	40.00	-17.25	QP
287.0500	V	37.01	-17.77	19.24	46.00	-26.76	QP
487.8400	V	35.09	-12.09	23.00	46.00	-23.00	QP
730.3400	V	32.88	-10.43	22.45	46.00	-23.55	QP
903.9700	V	32.72	-7.31	25.41	46.00	-20.59	QP
928.2200	V	33.45	-7.66	25.79	46.00	-20.21	QP
49.4000	H	39.68	-17.57	22.11	40.00	-17.89	QP
96.9300	H	38.97	-19.45	19.52	43.50	-23.98	QP
287.0500	H	36.32	-17.77	18.55	46.00	-27.45	QP
501.4200	H	33.53	-11.36	22.17	46.00	-23.83	QP
733.2500	H	33.24	-10.37	22.87	46.00	-23.13	QP
899.1200	H	32.21	-7.28	24.93	46.00	-21.07	QP

Notes:

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

Report No. : EED39N81158801

Transmitter Emission above 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJH124 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	4808.000	44.11	9.16	53.27	74.00	-20.73	100	248	peak
2	7205.000	40.29	12.01	52.30	74.00	-21.70	171	0	peak
3	14889.000	30.60	22.95	53.55	74.00	-20.45	200	126	peak
4	15518.000	30.83	22.76	53.59	74.00	-20.41	200	169	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	43.86	7.83	51.69	74.00	-22.31	200	346	peak
2	4791.000	43.51	9.12	52.63	74.00	-21.37	200	281	peak
3	7205.000	40.72	12.01	52.73	74.00	-21.27	200	245	peak
4	9602.000	35.94	14.87	50.81	74.00	-23.19	100	256	peak
5	16997.000	29.02	25.67	54.69	74.00	-19.31	200	178	peak
6	16997.000	9.18	25.67	34.85	54.00	-19.15	200	178	AVG

Mode:	BLE_1M	Channel:	2440
Test model No.:	HJH124 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	44.40	9.31	53.71	74.00	-20.29	100	300	peak
2	7324.000	42.76	12.20	54.96	74.00	-19.04	100	298	peak
3	7324.000	18.09	12.20	30.29	54.00	-23.71	100	298	AVG
4	9755.000	37.58	14.75	52.33	74.00	-21.67	100	68	peak
5	15331.000	30.66	22.89	53.55	74.00	-20.45	100	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	4876.000	41.49	9.31	50.80	74.00	-23.20	200	282	peak
2	7324.000	44.23	12.20	56.43	74.00	-17.57	200	264	peak
3	7324.000	21.81	12.20	34.01	54.00	-19.99	200	264	AVG
4	14889.000	30.12	22.95	53.07	74.00	-20.93	128	0	peak

Mode:	BLE_1M	Channel:	2480
Test model No.:	HJH124 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	4961.000	44.19	9.51	53.70	74.00	-20.30	100	273	peak
2	7443.000	45.89	12.35	58.24	74.00	-15.76	100	279	peak
3	7443.000	21.67	12.35	34.02	54.00	-19.98	100	279	AVG
4	9925.000	36.38	14.61	50.99	74.00	-23.01	100	76	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	42.25	7.75	50.00	74.00	-24.00	200	346	peak
2	4961.000	41.86	9.51	51.37	74.00	-22.63	200	275	peak
3	7443.000	44.79	12.35	57.14	74.00	-16.86	200	258	peak
4	7443.000	20.72	12.35	33.07	54.00	-20.93	200	258	AVG
5	9925.000	35.65	14.61	50.26	74.00	-23.74	200	359	peak

Mode:	BLE_2M	Channel:	2402
Test model No.:	HJH124 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	43.32	9.12	52.44	74.00	-21.56	118	0	peak
2	7205.000	40.19	12.01	52.20	74.00	-21.80	100	294	peak
3	9602.000	36.22	14.87	51.09	74.00	-22.91	100	72	peak
4	14600.000	32.50	22.31	54.81	74.00	-19.19	200	1	peak
5	14600.000	10.65	22.31	32.96	54.00	-21.04	200	1	AVG

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	43.44	9.12	52.56	74.00	-21.44	200	281	peak
2	7205.000	41.11	12.01	53.12	74.00	-20.88	200	249	peak
3	9602.000	35.77	14.87	50.64	74.00	-23.36	100	255	peak
4	16912.000	30.14	25.37	55.51	74.00	-18.49	199	0	peak
5	16912.000	9.69	25.37	35.06	54.00	-18.94	199	0	AVG

Mode:	BLE_2M	Channel:	2440
Test model No.:	HJH124 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	43.85	9.31	53.16	74.00	-20.84	100	299	peak
2	7324.000	43.14	12.20	55.34	74.00	-18.66	100	334	peak
3	7324.000	19.83	12.20	32.03	54.00	-21.97	100	334	AVG
4	9755.000	36.35	14.75	51.10	74.00	-22.90	100	75	peak
5	14804.000	30.93	22.84	53.77	74.00	-20.23	200	91	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	42.56	9.31	51.87	74.00	-22.13	200	277	peak
2	7324.000	43.46	12.20	55.66	74.00	-18.34	200	259	peak
3	7324.000	18.05	12.20	30.25	54.00	-23.75	200	259	AVG
4	14447.000	30.90	22.26	53.16	74.00	-20.84	200	23	peak

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJH124 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	4961.000	45.69	9.51	55.20	74.00	-18.80	100	279	peak
2	4961.000	23.54	9.51	33.05	54.00	-20.95	100	279	AVG
3	7443.000	44.10	12.35	56.45	74.00	-17.55	200	324	peak
4	7443.000	18.92	12.35	31.27	54.00	-22.73	200	324	AVG
5	14889.000	29.82	22.95	52.77	74.00	-21.23	155	0	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	42.81	7.83	50.64	74.00	-23.36	200	338	peak
2	4961.000	40.70	9.51	50.21	74.00	-23.79	200	268	peak
3	7443.000	47.11	12.35	59.46	74.00	-14.54	200	256	peak
4	7443.000	21.16	12.35	33.51	54.00	-20.49	200	256	AVG
5	14889.000	30.49	22.95	53.44	74.00	-20.56	100	91	peak

Mode:	BLE_125kbps	Channel:	2402
Test model No.:	HJH124 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	43.34	9.12	52.46	74.00	-21.54	200	298	peak
2	7205.000	41.94	12.01	53.95	74.00	-20.05	100	299	peak
3	12016.000	34.11	17.08	51.19	74.00	-22.81	100	340	peak
4	14464.000	31.44	22.26	53.70	74.00	-20.30	200	214	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	42.97	7.83	50.80	74.00	-23.20	100	28	peak
2	4791.000	43.13	9.12	52.25	74.00	-21.75	200	274	peak
3	7205.000	38.15	12.01	50.16	74.00	-23.84	200	242	peak
4	16725.000	28.72	24.71	53.43	74.00	-20.57	200	159	peak

Mode:	BLE_125kbps	Channel:	2440
Test model No.:	HJH124 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	43.59	9.31	52.90	74.00	-21.10	100	301	peak
2	7324.000	43.38	12.20	55.58	74.00	-18.42	100	324	peak
3	7324.000	20.06	12.20	32.26	54.00	-21.74	100	324	AVG
4	9755.000	36.72	14.75	51.47	74.00	-22.53	100	58	peak
5	14804.000	31.45	22.84	54.29	74.00	-19.71	200	296	peak
6	14804.000	7.45	22.84	30.29	74.00	-43.71	200	296	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	41.85	9.31	51.16	74.00	-22.84	200	261	peak
2	7324.000	45.62	12.20	57.82	74.00	-16.18	200	265	peak
3	7324.000	20.49	12.20	32.69	54.00	-21.31	200	265	AVG
4	14651.000	30.75	22.45	53.20	74.00	-20.80	128	0	peak

Report No. : EED39N81158801

Mode:	BLE_125kbps	Channel:	2480
Test model No.:	HJH124 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	4961.000	45.37	9.51	54.88	74.00	-19.12	100	279	peak
2	4961.000	22.34	9.51	31.85	54.00	-22.15	100	279	AVG
3	7443.000	44.79	12.35	57.14	74.00	-16.86	200	275	peak
4	7443.000	20.30	12.35	32.65	54.00	-21.35	200	275	AVG
5	9925.000	36.06	14.61	50.67	74.00	-23.33	100	62	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	42.66	7.75	50.41	74.00	-23.59	200	355	peak
2	4961.000	40.94	9.51	50.45	74.00	-23.55	200	289	peak
3	7443.000	43.55	12.35	55.90	74.00	-18.10	200	271	peak
4	7443.000	19.61	12.35	31.96	54.00	-22.04	200	271	AVG
5	14719.000	30.24	22.63	52.87	74.00	-21.13	200	335	peak

Mode:	BLE_500kbps	Channel:	2402
Test model No.:	HJH124 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	43.65	9.12	52.77	74.00	-21.23	126	0	peak
2	7205.000	41.40	12.01	53.41	74.00	-20.59	100	302	peak
3	12016.000	33.19	17.08	50.27	74.00	-23.73	140	0	peak
4	14872.000	30.18	22.93	53.11	74.00	-20.89	100	299	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	42.23	7.75	49.98	74.00	-24.02	200	354	peak
2	4808.000	42.03	9.16	51.19	74.00	-22.81	200	300	peak
3	7205.000	41.06	12.01	53.07	74.00	-20.93	200	251	peak
4	11489.000	35.73	17.17	52.90	74.00	-21.10	100	42	peak
5	14719.000	30.56	22.63	53.19	74.00	-20.81	200	266	peak

Mode:	BLE_500kbps	Channel:	2440
Test model No.:	HJH124 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	43.46	9.31	52.77	74.00	-21.23	100	282	peak
2	7324.000	42.32	12.20	54.52	74.00	-19.48	100	339	peak
3	7324.000	23.83	12.20	36.03	54.00	-17.97	100	339	AVG
4	12203.000	33.36	17.63	50.99	74.00	-23.01	100	352	peak
5	14889.000	29.91	22.95	52.86	74.00	-21.14	100	86	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	40.35	7.83	48.18	74.00	-25.82	100	282	peak
2	4876.000	41.43	9.31	50.74	74.00	-23.26	200	269	peak
3	7324.000	39.59	12.20	51.79	74.00	-22.21	200	252	peak
4	12203.000	33.03	17.63	50.66	74.00	-23.34	200	66	peak
5	14600.000	30.99	22.31	53.30	74.00	-20.70	200	53	peak

Mode:	BLE_500kbps	Channel:	2480
Test model No.:	HJH124 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	4961.000	43.96	9.51	53.47	74.00	-20.53	100	302	peak
2	7443.000	45.61	12.35	57.96	74.00	-16.04	100	268	peak
3	7443.000	21.73	12.35	34.08	54.00	-19.92	100	268	AVG
4	9925.000	35.62	14.61	50.23	74.00	-23.77	100	64	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	41.60	7.75	49.35	74.00	-24.65	200	341	peak
2	4961.000	41.73	9.51	51.24	74.00	-22.76	200	258	peak
3	7443.000	46.06	12.35	58.41	74.00	-15.59	200	249	peak
4	7443.000	19.44	12.35	31.79	54.00	-22.21	200	249	AVG

Report No. : EED39N81158801

Radiated Emission below 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJH55 Ble		

Frequency (MHz)	Ant. Pol. (H/V)	Reading (dBuV)	Correction Factor (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Remark
45.5200	V	39.09	-17.77	21.32	40.00	-18.68	QP
97.9000	V	37.80	-19.28	18.52	43.50	-24.98	QP
291.9000	V	35.48	-17.71	17.77	46.00	-28.23	QP
514.0300	V	33.11	-11.73	21.38	46.00	-24.62	QP
607.1500	V	33.48	-11.50	21.98	46.00	-24.02	QP
892.3300	V	33.15	-7.55	25.60	46.00	-20.40	QP
48.4300	H	39.52	-17.62	21.90	40.00	-18.10	QP
104.6900	H	37.36	-19.00	18.36	43.50	-25.14	QP
367.5600	H	34.38	-15.96	18.42	46.00	-27.58	QP
497.5400	H	33.51	-11.48	22.03	46.00	-23.97	QP
679.9000	H	32.71	-11.13	21.58	46.00	-24.42	QP
913.6700	H	31.88	-7.45	24.43	46.00	-21.57	QP

Notes:

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

Report No. : EED39N81158801

Transmitter Emission above 1GHz:

Mode:	BLE_1M	Channel:	2402
Test model No.:	HJH55 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	42.98	9.12	52.10	74.00	-21.90	100	246	peak
2	7205.000	37.92	12.01	49.93	74.00	-24.07	100	274	peak
3	12016.000	34.33	17.08	51.41	74.00	-22.59	100	194	peak
4	14804.000	30.39	22.84	53.23	74.00	-20.77	100	14	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	44.23	7.83	52.06	74.00	-21.94	200	341	peak
2	4978.000	40.15	9.55	49.70	74.00	-24.30	100	360	peak
3	7205.000	37.95	12.01	49.96	74.00	-24.04	100	289	peak
4	10486.000	38.58	15.69	54.27	74.00	-19.73	200	235	peak
5	10486.000	17.89	15.69	33.58	54.00	-20.42	200	235	AVG
6	12016.000	34.98	17.08	52.06	74.00	-21.94	100	26	peak

Mode:	BLE_1M	Channel:	2440
Test model No.:	HJH55 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	42.45	9.31	51.76	74.00	-22.24	200	264	peak
2	7324.000	41.34	12.20	53.54	74.00	-20.46	159	360	peak
3	14362.000	30.76	22.15	52.91	74.00	-21.09	200	72	peak
4	15892.000	29.56	23.38	52.94	74.00	-21.06	200	181	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	40.67	9.31	49.98	74.00	-24.02	100	283	peak
2	7324.000	41.37	12.20	53.57	74.00	-20.43	100	295	peak
3	12203.000	34.40	17.63	52.03	74.00	-21.97	100	48	peak
4	14600.000	30.40	22.31	52.71	74.00	-21.29	100	283	peak

Mode:	BLE_1M	Channel:	2480
Test model No.:	HJH55 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	4961.000	43.50	9.51	53.01	74.00	-20.99	100	259	peak
2	7443.000	44.97	12.35	57.32	74.00	-16.68	100	275	peak
3	7443.000	20.50	12.35	32.85	54.00	-21.15	100	275	AVG
4	14804.000	30.35	22.84	53.19	74.00	-20.81	100	272	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	43.06	7.83	50.89	74.00	-23.11	200	353	peak
2	4961.000	40.14	9.51	49.65	74.00	-24.35	100	275	peak
3	7443.000	43.49	12.35	55.84	74.00	-18.16	100	290	peak
4	7443.000	19.52	12.35	31.87	54.00	-22.13	100	290	AVG
5	12407.000	32.38	18.11	50.49	74.00	-23.51	100	53	peak

Mode:	BLE_2M	Channel:	2402
Test model No.:	HJH55 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	43.44	9.12	52.56	74.00	-21.44	200	245	peak
2	7205.000	39.28	12.01	51.29	74.00	-22.71	100	239	peak
3	14668.000	30.81	22.49	53.30	74.00	-20.70	100	150	peak
4	16810.000	28.51	25.02	53.53	74.00	-20.47	200	19	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	4978.000	42.16	9.55	51.71	74.00	-22.29	100	75	peak
2	9602.000	33.05	14.87	47.92	74.00	-26.08	100	279	peak
3	12016.000	34.48	17.08	51.56	74.00	-22.44	100	40	peak
4	14804.000	30.07	22.84	52.91	74.00	-21.09	100	22	peak

Mode:	BLE_2M	Channel:	2440
Test model No.:	HJH55 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	41.78	9.31	51.09	74.00	-22.91	100	248	peak
2	5233.000	36.06	9.51	45.57	74.00	-28.43	200	210	peak
3	7324.000	42.88	12.20	55.08	74.00	-18.92	100	216	peak
4	7324.000	21.38	12.20	33.58	54.00	-20.42	100	216	AVG
5	14804.000	29.75	22.84	52.59	74.00	-21.41	100	324	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	41.45	7.83	49.28	74.00	-24.72	100	282	peak
2	7324.000	42.61	12.20	54.81	74.00	-19.19	100	298	peak
3	7324.000	19.83	12.20	32.03	54.00	-21.97	100	298	AVG
4	12203.000	33.88	17.63	51.51	74.00	-22.49	100	36	peak

Mode:	BLE_2M	Channel:	2480
Test model No.:	HJH55 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	4961.000	43.34	9.51	52.85	74.00	-21.15	100	258	peak
2	7443.000	45.13	12.35	57.48	74.00	-16.52	144	0	peak
3	7443.000	20.94	12.35	33.29	54.00	-20.71	144	0	AVG
4	12407.000	32.01	18.11	50.12	74.00	-23.88	100	208	peak
5	16470.000	29.23	24.09	53.32	74.00	-20.68	200	254	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	39.53	7.83	47.36	74.00	-26.64	100	199	peak
2	4961.000	40.33	9.51	49.84	74.00	-24.16	100	275	peak
3	7443.000	40.87	12.35	53.22	74.00	-20.78	100	291	peak
4	9925.000	34.64	14.61	49.25	74.00	-24.75	200	15	peak

Mode:	BLE_125kbps	Channel:	2402
Test model No.:	HJH55 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	41.18	9.12	50.30	74.00	-23.70	200	279	peak
2	7205.000	38.75	12.01	50.76	74.00	-23.24	100	209	peak
3	12016.000	33.56	17.08	50.64	74.00	-23.36	100	48	peak
4	14804.000	31.29	22.84	54.13	74.00	-19.87	200	352	peak
5	14804.000	9.17	22.84	32.01	54.00	-21.99	200	352	AVG

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	40.30	7.83	48.13	74.00	-25.87	200	54	peak
2	4791.000	39.36	9.12	48.48	74.00	-25.52	100	268	peak
3	7205.000	38.37	12.01	50.38	74.00	-23.62	100	294	peak
4	12016.000	33.35	17.08	50.43	74.00	-23.57	200	26	peak

Mode:	BLE_125kbps	Channel:	2440
Test model No.:	HJH55 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	39.64	9.31	48.95	74.00	-25.05	100	180	peak
2	7324.000	43.42	12.20	55.62	74.00	-18.38	100	244	peak
3	7324.000	21.89	12.20	34.09	54.00	-19.91	100	244	AVG
4	12203.000	32.48	17.63	50.11	74.00	-23.89	100	199	peak
5	13767.000	30.96	21.05	52.01	74.00	-21.99	100	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	3975.000	41.04	7.75	48.79	74.00	-25.21	200	36	peak
2	4876.000	39.36	9.31	48.67	74.00	-25.33	100	267	peak
3	7324.000	40.83	12.20	53.03	74.00	-20.97	100	293	peak
4	12203.000	33.67	17.63	51.30	74.00	-22.70	100	41	peak

Mode:	BLE_125kbps	Channel:	2480
Test model No.:	HJH55 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	4808.000	42.10	9.16	51.26	74.00	-22.74	200	243	peak
2	7205.000	36.46	12.01	48.47	74.00	-25.53	100	242	peak
3	12016.000	32.59	17.08	49.67	74.00	-24.33	200	48	peak
4	14821.000	29.79	22.87	52.66	74.00	-21.34	100	133	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	4978.000	39.94	9.55	49.49	74.00	-24.51	181	360	peak
2	9602.000	34.08	14.87	48.95	74.00	-25.05	129	360	peak
3	12016.000	32.79	17.08	49.87	74.00	-24.13	100	42	peak
4	14889.000	30.53	22.95	53.48	74.00	-20.52	100	26	peak

Mode:	BLE_500kbps	Channel:	2402
Test model No.:	HJH55 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	41.74	9.31	51.05	74.00	-22.95	100	246	peak
2	7324.000	42.25	12.20	54.45	74.00	-19.55	100	212	peak
3	7324.000	17.79	12.20	29.99	54.00	-24.01	100	212	AVG
4	15433.000	30.75	22.80	53.55	74.00	-20.45	200	228	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	42.21	7.83	50.04	74.00	-23.96	200	349	peak
2	4876.000	39.96	9.31	49.27	74.00	-24.73	100	264	peak
3	7324.000	37.24	12.20	49.44	74.00	-24.56	100	44	peak
4	9755.000	34.19	14.75	48.94	74.00	-25.06	100	360	peak
5	14804.000	30.25	22.84	53.09	74.00	-20.91	120	360	peak

Mode:	BLE_500kbps	Channel:	2440
Test model No.:	HJH55 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	41.74	9.31	51.05	74.00	-22.95	100	246	peak
2	7324.000	42.25	12.20	54.45	74.00	-19.55	100	212	peak
3	7324.000	17.79	12.20	29.99	54.00	-24.01	100	212	AVG
4	15433.000	30.75	22.80	53.55	74.00	-20.45	200	228	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	42.21	7.83	50.04	74.00	-23.96	200	349	peak
2	4876.000	39.96	9.31	49.27	74.00	-24.73	100	264	peak
3	7324.000	37.24	12.20	49.44	74.00	-24.56	100	44	peak
4	9755.000	34.19	14.75	48.94	74.00	-25.06	100	360	peak
5	14804.000	30.25	22.84	53.09	74.00	-20.91	120	360	peak

Mode:	BLE_500kbps	Channel:	2480
Test model No.:	HJH55 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	4961.000	42.33	9.51	51.84	74.00	-22.16	200	259	peak
2	7443.000	45.64	12.35	57.99	74.00	-16.01	100	270	peak
3	7443.000	21.30	12.35	33.65	54.00	-20.35	100	270	AVG
4	14889.000	30.07	22.95	53.02	74.00	-20.98	200	264	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	41.51	7.83	49.34	74.00	-24.66	200	322	peak
2	4961.000	39.30	9.51	48.81	74.00	-25.19	100	271	peak
3	7443.000	44.04	12.35	56.39	74.00	-17.61	100	285	peak
4	7443.000	21.82	12.35	34.17	54.00	-19.83	100	285	AVG
5	11540.000	36.72	17.22	53.94	74.00	-20.06	100	102	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.