Prüfbericht - Nr.: *Test Report No.:*	**50426751 001**	**Auftrags-Nr.:** *Order No:*	180107821	Seite 1 von 30 *Page 1 of 30*
Kunden-Referenz-Nr.: *Client Reference No.:*	N/A	**Auftragsdatum:** *Order date:*	2019.05.21	

Auftraggeber: *Client:*	LinHai Zhongtian Electronic Appliance Co., Ltd No.168, Yangqin River Road, Linhai, Zhejiang, China
Prüfgegenstand: *Test item:*	Colorful Bluetooth Central Light
Bezeichnung / Typ-Nr. : *Identification / Type No. :*	ZT-X-B1
Auftrags-Inhalt: *Order content:*	TÜV Rheinland – FCC/IC Service
Prüfgrundlage: *Test specification:*	FCC Part 15: Subpart C Section 15.207 FCC Part 15: Subpart C Section 15.209 FCC Part 15: Subpart C Section 15.247
Wareneingangsdatum: *Date of receipt:*	2019.05.21
Prüfmuster-Nr.: *Test sample No.:*	A0000927782 005
Prüfzeitraum: *Testing period:*	2020.11.04-2020.11.11
Ort der Prüfung: *Place of testing:*	Refer to section 1.1.
Prüflaboratorium: *Testing laboratory:*	TÜV Rheinland / CCIC (Ningbo) Co., Ltd.
Prüfergebnis*: *Test result*:*	Pass

geprüft von / *tested by:*			**kontrolliert von /** *reviewed by:*		
2020.12.28	Caidong Xie/PE	Caidong Xie	2020.12. 28	Feng Liang/TC	Feng Liang
Datum *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*	**Datum** *Date*	**Name/Stellung** *Name/Position*	**Unterschrift** *Signature*

Sonstiges/ *Other:* FCCID: 2AN8X-ZT-X-B1
Refer to reports 50262798 001 and 60420089 001 for RF evaluation of BLE 4.2.
Refer to reports 50426751 001 and 60431369 001 for RF evaluation of Classic BT.
Refer to report 50420096 001 for RF Exposure evaluation of BLE4.2 and Classic BT.
Refer to report 50426759 001 for EMC evaluation according to FCC part 15, subpart B: 2019.

Zustand des Prüfgegenstandes bei Anlieferung: *Condition of the test item at delivery :*	Prüfmuster vollständig und unbeschädigt *Test item complete and undamaged*

*Legende:	1= Sehr gut	2 = gut	3= befriedigend	4= ausreichend	5 = mangelhaft
	P(ass) =entspricht o.g. Prüfgrundlage(n)		F(ail)= entspricht o.g. Prüfgrundlage(n)	N/A = nicht anwendbar	N/T =nicht getestet
Legend:	*1= very good*	*2 = good*	*3= satisfactory*	*4= sufficient*	*5 = poor*
	P(ass) = passed a.m. test specification(s)		*F(ail)= failed a.m. test specification(s)*	*N/A = not applicable*	*N/T = not tested*

TEST SUMMARY

4.1.1 ANTENNA REQUIREMENT
Result:
Pass

4.1.2 20DB BANDWIDTH MEASUREMENT
Result:
Pass

4.1.3 MAXIMUM PEAK CONDUCTED OUTPUT POWER
Result:
Pass

4.1.4 CONDUCTED SPURIOUS EMISSIONS MEASURED IN 100 KHZ BANDWIDTH
Result:
Pass

4.1.5 CARRIER SEPARATION MEASUREMENT
Result:
Pass

4.1.6 THE NUMBER OF HOPPING CHANNELS
Result:
Pass

4.1.7 CHANNEL OCCUPANCY TIME
Result:
Pass

4.1.8 CONDUCTED EMISSION (AC POWER-LINE)
Result:
Pass

4.1.9 RADIATED EMISSION
Result:
Pass

Contents

1 Test Sites

1.1 Test Facilities

Laboratory: TÜV Rheinland /CCIC(Ningbo) Co., Ltd.

1st Floor, Building 11, Scholar Innovation Park, No.1188 Zhongguan Road, Zhenhai District, Ningbo 315200 P.R. China.

The used test equipment is in accordance with CISPR 16-1 series standards for measurement of radio interference.

1.2 List of Test and Measurement Instruments

Table 1: List of Test and Measurement Equipment

No.	Equipment	Model	Inventory no.	Last cal. date	Cal. due date
1.	EMI test receiver	ESR7	101929	2020.11.25	2021.11.11
2.	Spectrum analyzer	FSV40	101412	2020.11.25	2021.11.11
3.	Pre-amplifier	SCU-18F	180051	2020.11.25	2021.11.11
4.	Bilog Antenna	CBL6112D	49033	2018.11.06	2021.04.12

1.3 Measurement Uncertainty

Test Item	Expanded Measurement Uncertainty (k=2)
Conducted Emission (9-150kHz)	3.70dB
Conducted Emission (150k-30MHz)	3.30dB
Radiated Emission (30-1000MHz)	4.39dB
Radiated Emission (1-18GHz)	4.67dB

2 General Product Information

2.1 Product Function and Intended Use

The EUT(equipment under test) is a Colorful Bluetooth Central Light which support Bluetooth function operated at 2400-2483.5MHz. For the further information, refer to the user's manual.

Model list:

Model name	Input voltage	Rated power	Function
ZT-X-B1	DC 3.7V	6W	Bluetooth V4.2(dual mode)

BT V2.1+EDR has been evaluated in this report.

2.2 Ratings and System Details

Rated input : Refer to above table
Protection Class : III
FCC ID : 2AN8X-ZT-X-B1

Technical Specification of V2.1+EDR

Technical Specification	
Operating Frequency band	2402 – 2480 MHz
Bluetooth Core Version	V2.1+EDR
Channel separation	1MHz
Extreme Temperature Range	-20℃ ~ 60℃
Modulation	FHSS: GFSK,(Pi/4)DQPSK
Data Rate	EDR: 2Mbps
Antenna Type	PIFA Antenna
Antenna Gain(dBi)	3.3
Channel number	79

2.3 Independent Operation Modes

The basic operation modes are:
Mode A: Transmitting continuously in a channel
Mode B: Hopping in a sequence of hopping channels and transmitting continuously
Mode C: adaptor operation for Transmitting and Receiving

2.4 Noise Generating and Noise Suppressing Parts

Refer to the Circuit diagram for further information.

2.5 Submitted Documents

Circuit diagram, PCB layout, Labels, user's manual, etc.

3 Test Set-up and Operation Modes

3.1 Principle of Configuration Selection

The equipment under test (EUT) was configured to measure its maximum power level. The Mode Cs were adapted accordingly in reference to the instructions for use.

3.2 Test Operation and Test Software

During testing, Channel & Power Controlling Software provided by the customer was used to control the operating channel as well as the output power level. The RF output power was selected according to the instruction given by the manufacturer. The setting of the RF output power expected by the customer shall be fixed on the firmware of the final end product.

All testing were performed according to the procedures in ANSI C63.10: 2013.

Test Software EMC32 V10.30 was used in the radiated emission test.

3.3 Special Accessories and Auxiliary Equipment

Description	Manufacturer	Model No.
notebook	Lenovo	T420

3.4 Countermeasures to achieve EMC Compliance

The tested sample contained noise suppression components as specified in the circuit diagram. No special measure is employed to achieve the requirement.

3.5 Test set-up

Diagram of Measurement Configuration for Radiation Test (Below 1GHz)

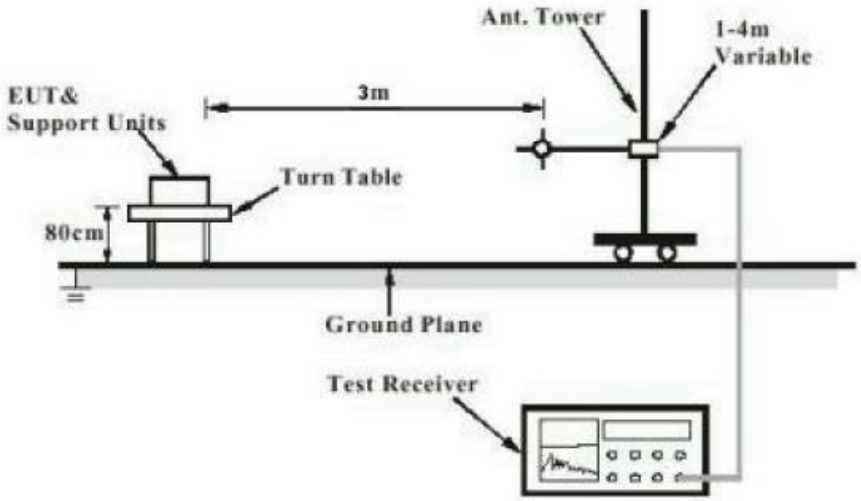


Diagram of Measurement Configuration for Radiation Test (Above 1GHz)

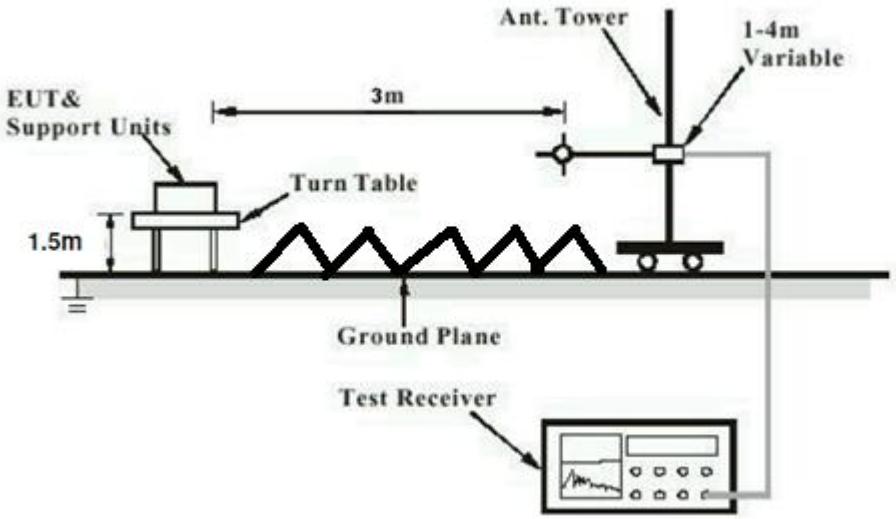
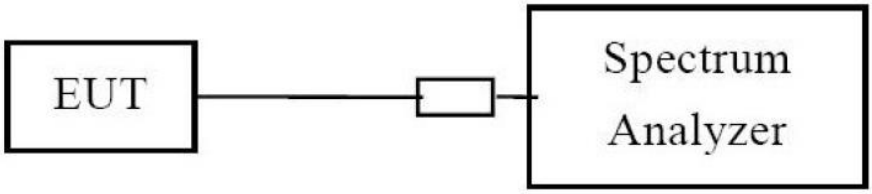


Diagram of Measurement Configuration for Conducted Transmitter Measurement



4 Test Results

4.1 Transmitter Requirement & Test Suites

4.1.1 Antenna Requirement

Result: **Pass**

Test Specification
Test standard : FCC Part 15.203

The EUT has an internal antennas, which permanently attached and no consideration of replacement. Therefore, the EUT is considered sufficient to comply with the provision. Refer to EUT Photo for further details.

4.1.2 20dB Bandwidth Measurement

Result: **Pass**

Test Specification

Test standard	:	FCC Part 15.247
Basic standard	:	ANSI C63.10: 2013
Kind of test site	:	Shielded Room

Test Setup

Date of testing	:	2020.11.04
Input voltage	:	DC 3.7V
Operational mode	:	Mode A
Test channel	:	Lo, Mi, Hi
Temperature	:	24°C
Relative humidity	:	55%
Atmospheric pressure	:	101.2 kPa

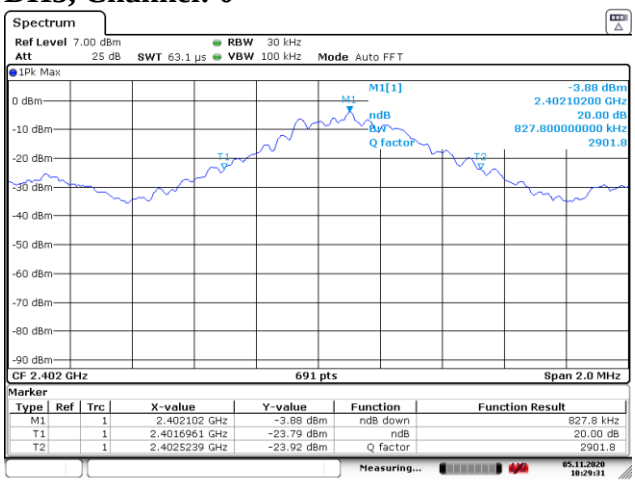
Table 2: Test result of 20dB Bandwidth for BT FHSS

Mode	Channel Frequency (MHz)	Bandwidth (kHz)	Result
DH5	2402	827.8	Pass
	2441	816.2	Pass
	2480	813.3	Pass
2DH5	2402	1264.8	Pass
	2441	1267.7	Pass
	2480	1261.9	Pass

Note: No limit for 20dB bandwidth in BT FHSS mode.

Figure 1: 20dB Bandwidth Measurement

DH5, Channel: 0



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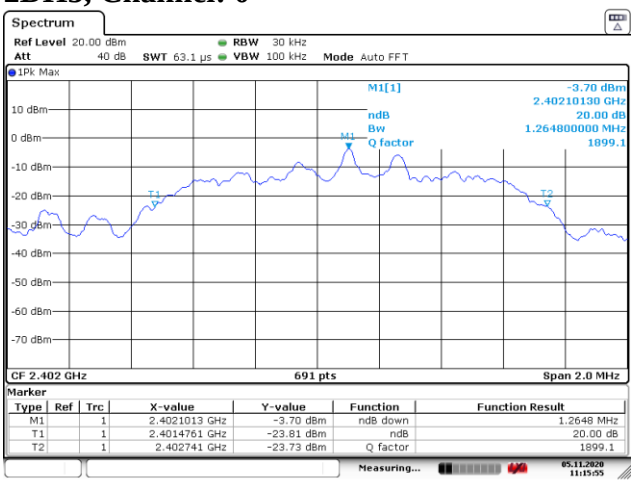
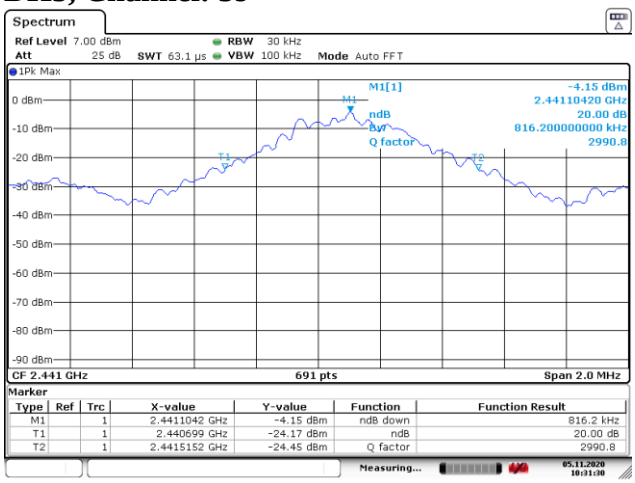
2DH5, Channel: 0



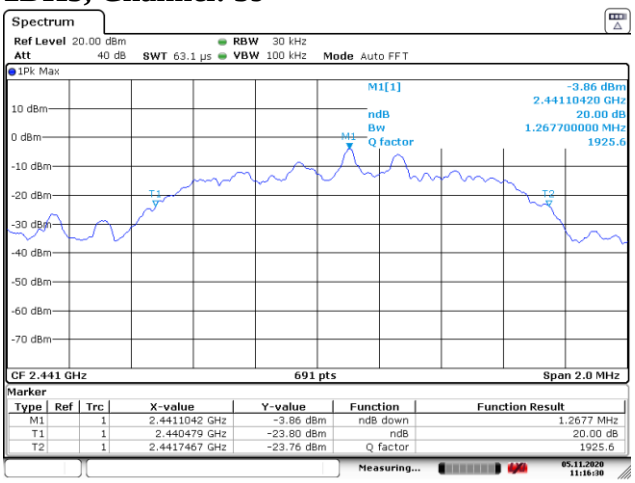
Date: 5.NOV.2020 11:15:55

DH5, Channel: 39



Date: 5.NOV.2020 10:31:31

2DH5, Channel: 39



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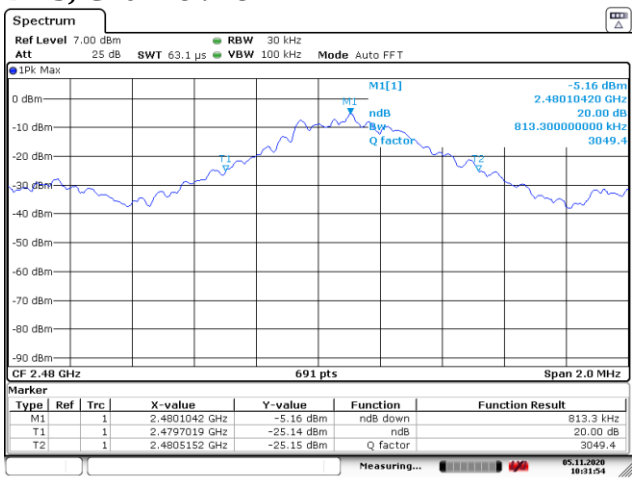
DH5, Channel: 78



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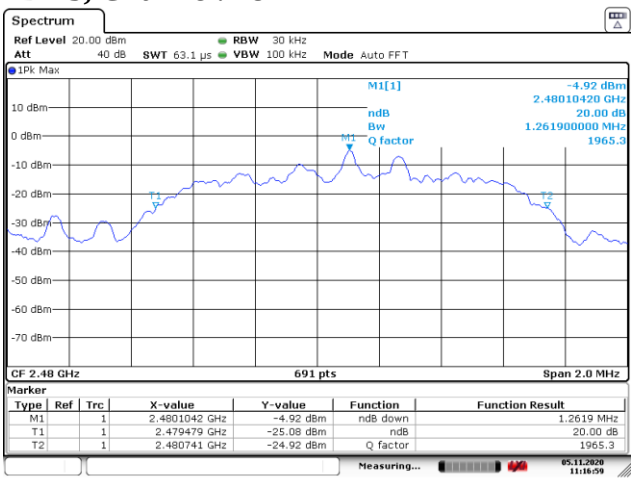
2DH5, Channel: 78



Date: 5.NOV.2020 11:17:00

4.1.3 Maximum Peak Conducted Output Power

Result: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(b)(1)
Basic standard	:	ANSI C63.10: 2013
Limits	:	Not more than 125mW
Kind of test site	:	Shielded Room

Test Setup

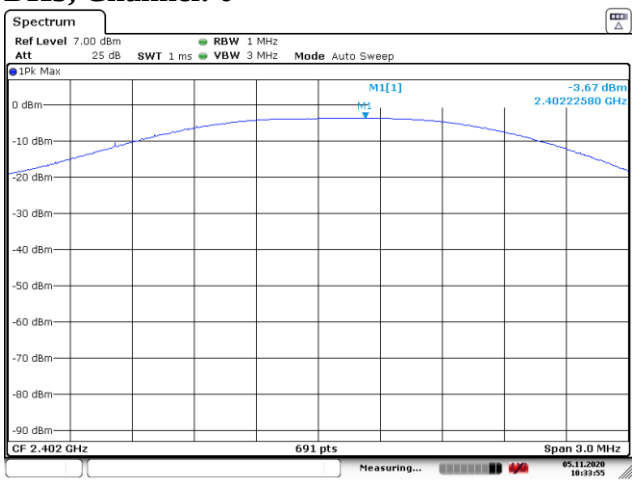
Date of testing	:	2020.11.04
Input voltage	:	DC 3.7V
Operational mode	:	Mode A
Test channel	:	Lo, Mi, Hi
Temperature	:	24 °C
Relative humidity	:	55%
Atmospheric pressure	:	101.2 kPa

Table 3: Test result of Maximum Peak Output Power

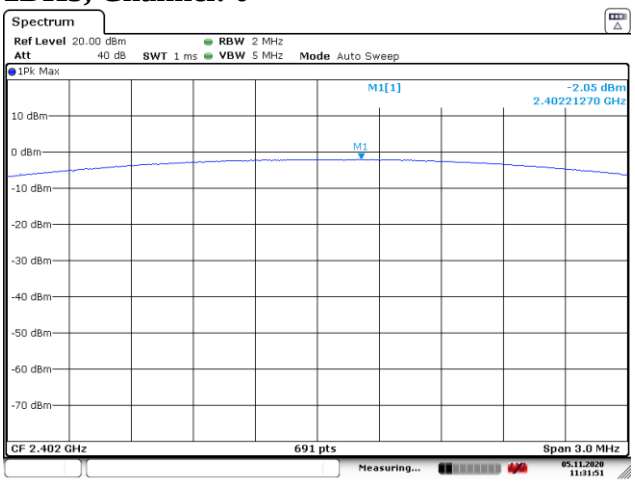
Mode	Channel Frequency (MHz)	Peak Output Power(dBm)	Limit (dBm)
DH5	2402	-3.67	=<20.969
	2441	-3.91	=<20.969
	2480	-4.92	=<20.969
2DH5	2402	-2.05	=<20.969
	2441	-2.11	=<20.969
	2480	-2.95	=<20.969

Figure 2: Maximum peak Conducted Output Power

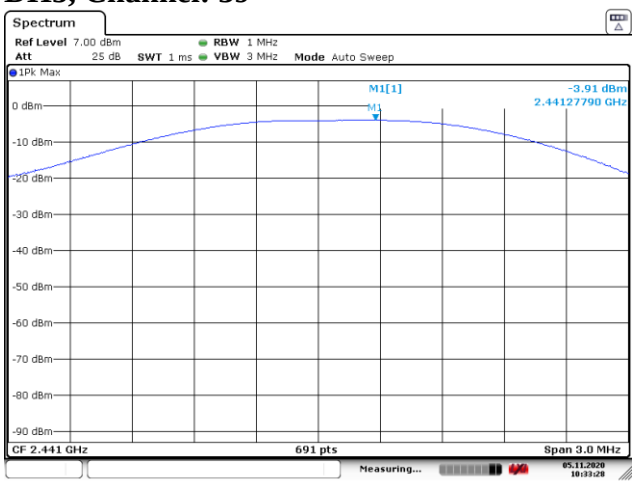
DH5, Channel: 0



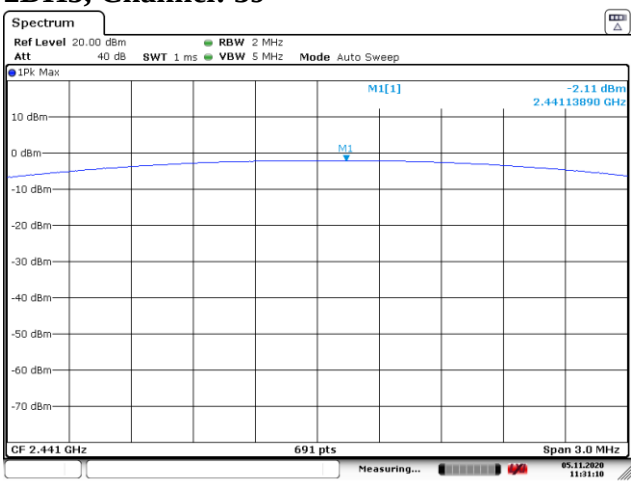
2DH5, Channel: 0



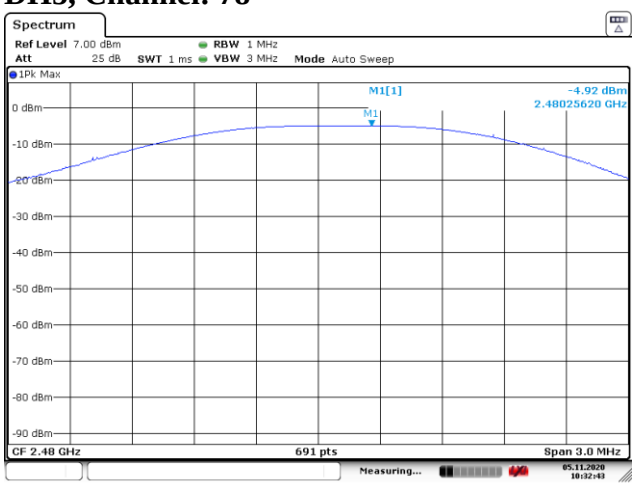
DH5, Channel: 39



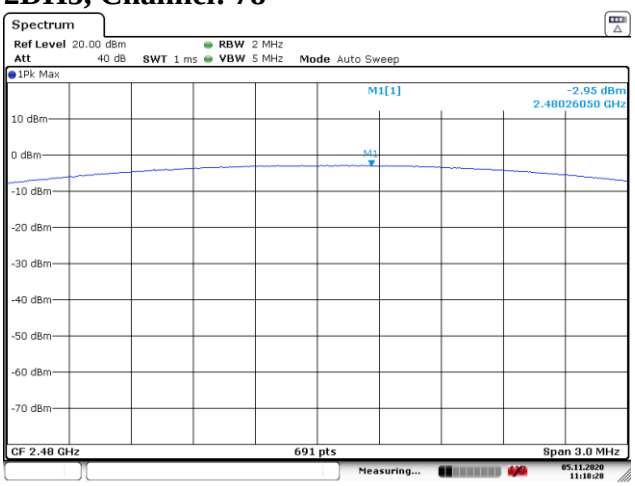
2DH5, Channel: 39



DH5, Channel: 78



2DH5, Channel: 78



4.1.4 Conducted Spurious Emissions Measured in 100 kHz Bandwidth

Result: **Pass**

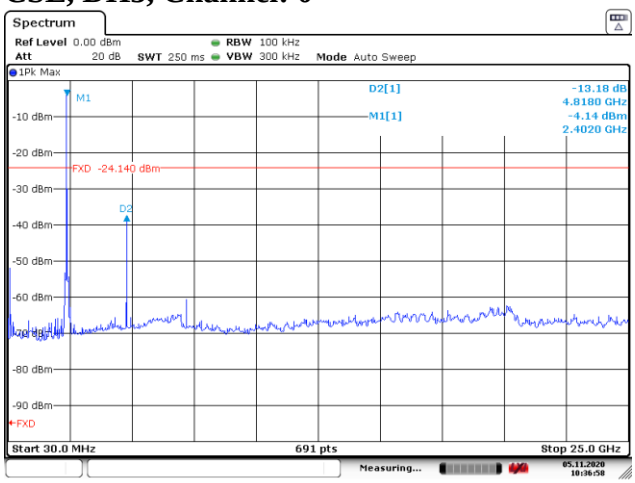
Test Specification		
Test standard	:	FCC Part 15.247(d)
Basic standard	:	ANSI C63.10: 2013
Limits	:	20dB (below that in the 100kHz bandwidth within the band that contains the highest level of the desired power);
Kind of test site	:	Shielded Room

Test Setup

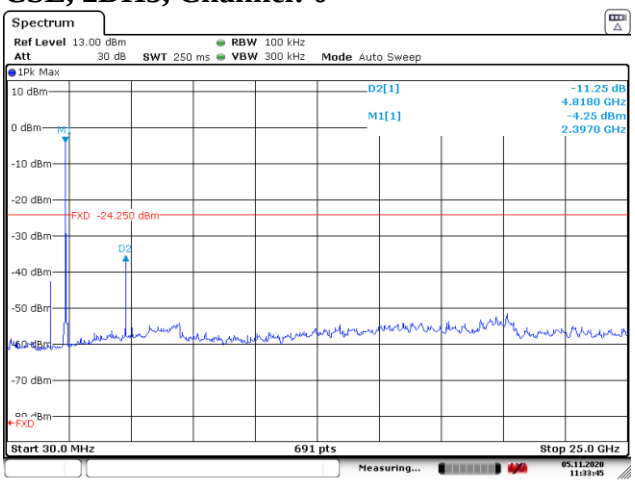
Date of testing	:	2020.11.04
Input voltage	:	DC 3.7V
Operational mode	:	Mode A, Mode B
Test channel	:	Lo, Mi, Hi
Temperature	:	24°C
Relative humidity	:	55%
Atmospheric pressure	:	101.2 kPa

Figure 3: Conducted Spurious Emission

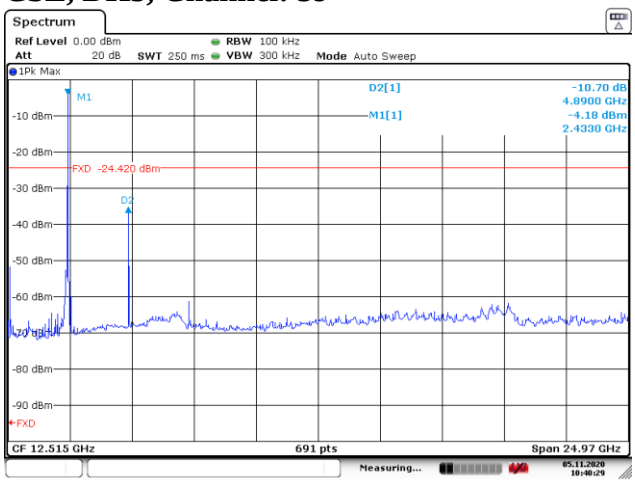
CSE, DH5, Channel: 0



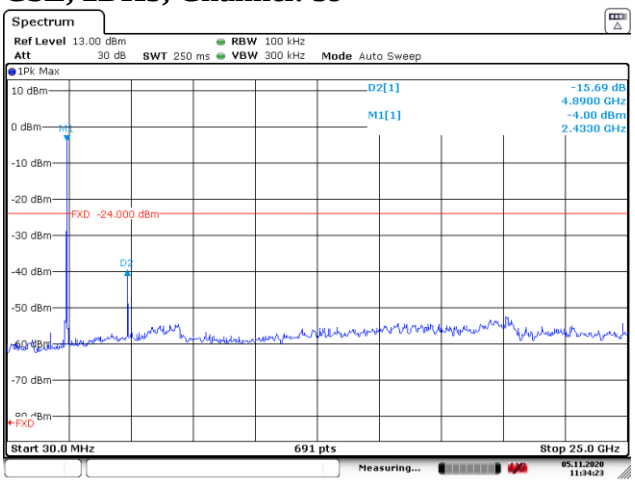
CSE, 2DH5, Channel: 0



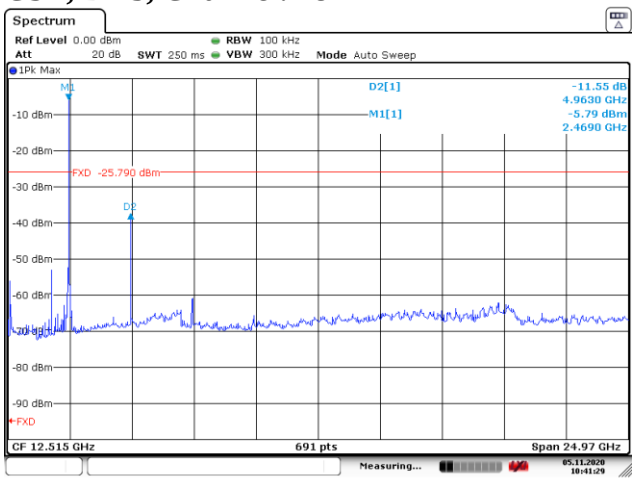
CSE, DH5, Channel: 39



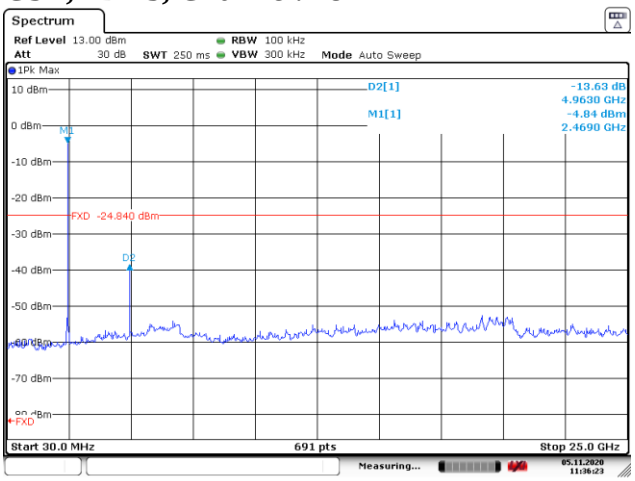
CSE, 2DH5, Channel: 39



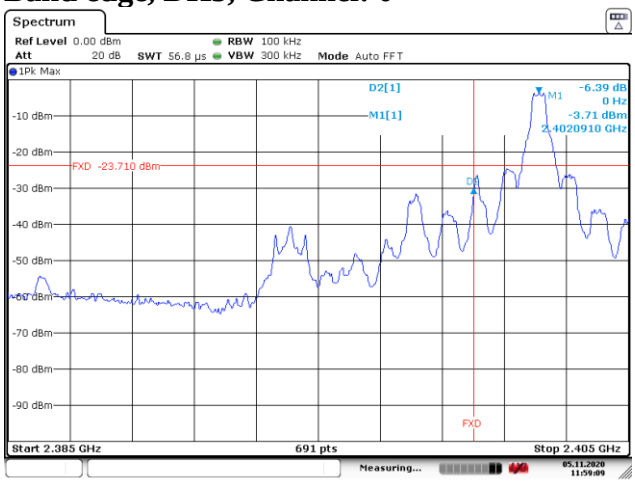
CSE, DH5, Channel: 78



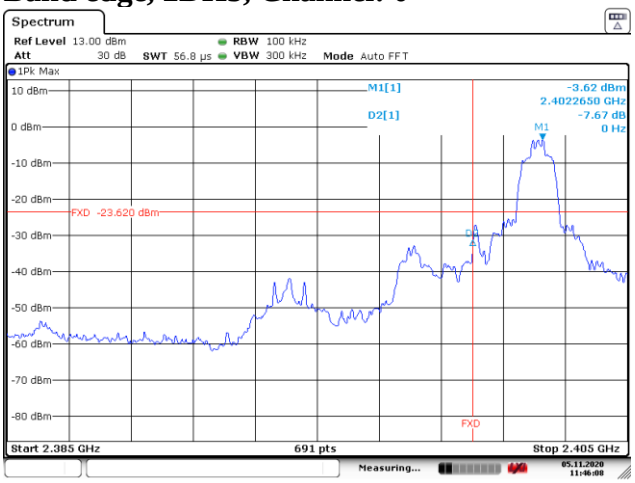
CSE, 2DH5, Channel: 78

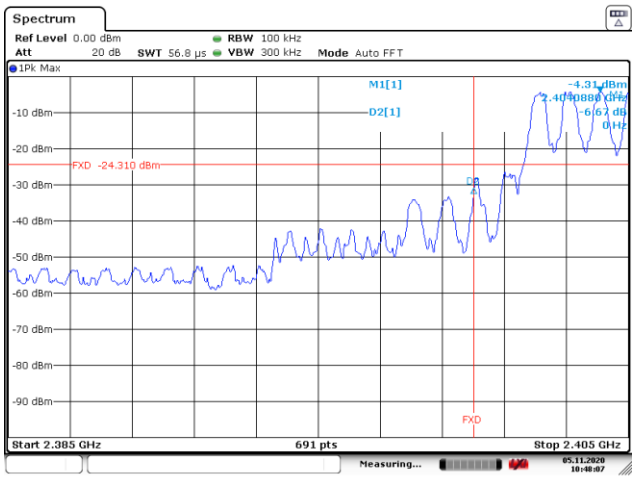


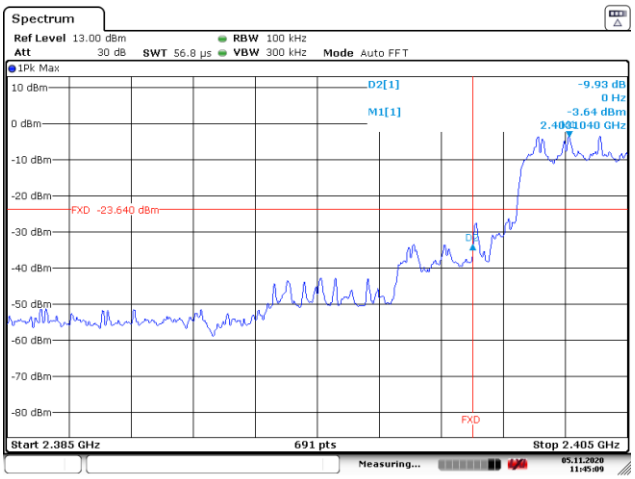
Band edge, DH5, Channel: 0



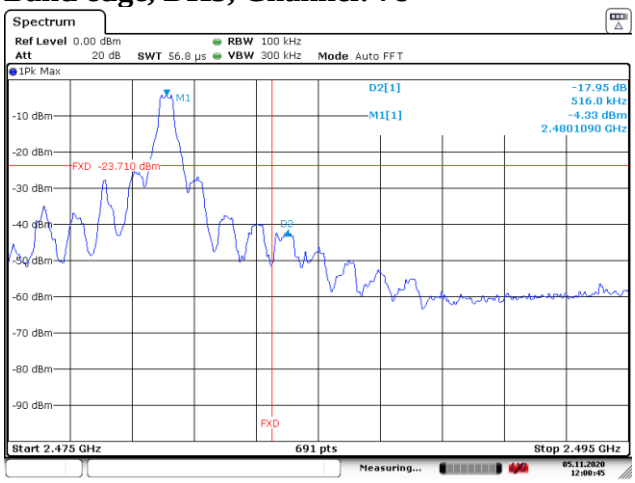
Band edge, 2DH5, Channel: 0





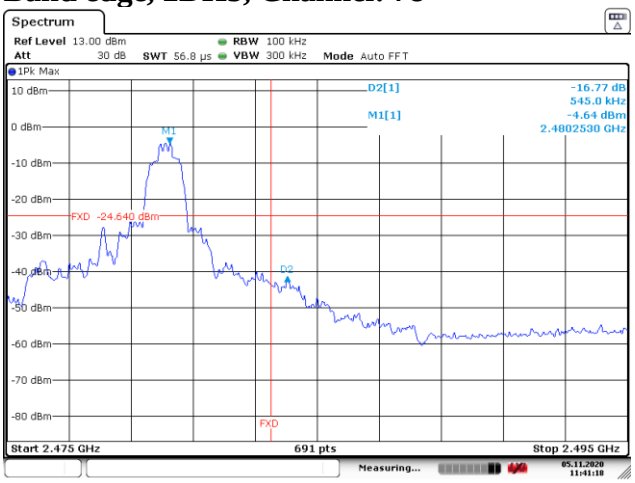


Band edge, DH5, Channel: 78



Date: 5.NOV.2020 12:00:46

Band edge, 2DH5, Channel: 78



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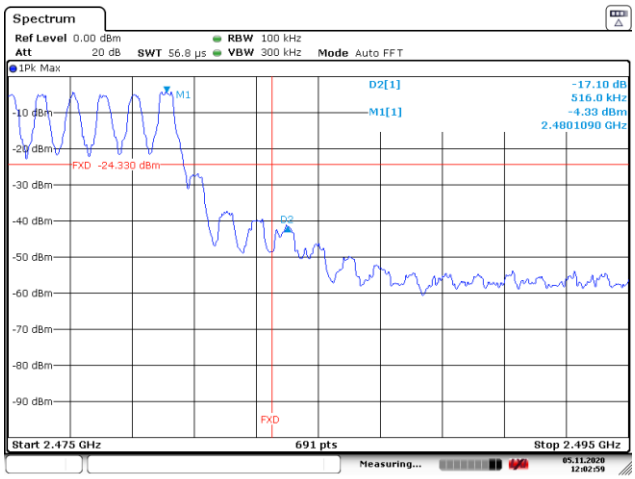

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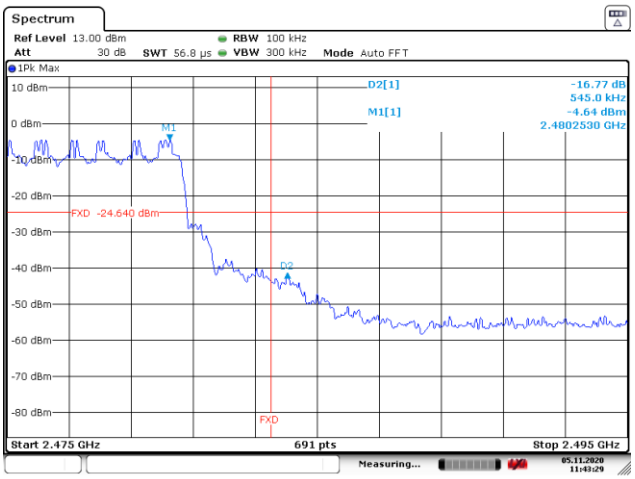


Date: 5.NOV.2020 11:43:30

4.1.5 Carrier Separation Measurement

Result: **Pass**

Test Specification		
Test standard	:	FCC Part 15.247(a)(1)
Basic standard	:	ANSI C63.10: 2013
Limits	:	25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater
Kind of test site	:	Shielded Room

Test Setup

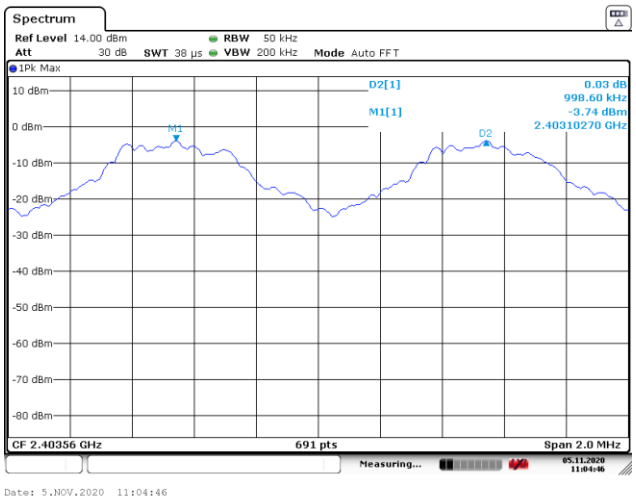
Date of testing	:	2020.11.04
Input voltage	:	DC 3.7V
Operational mode	:	Mode B
Temperature	:	22°C
Relative humidity	:	55%
Atmospheric pressure	:	101.2 kPa

Table 4: Test result of Carrier Separation

Mode	Carrier Separation	Limit	Result
DH5	998.6KHz	2/3* 20 dB bandwidth	Pass
2DH5	1005.8KHz	2/3* 20 dB bandwidth	Pass

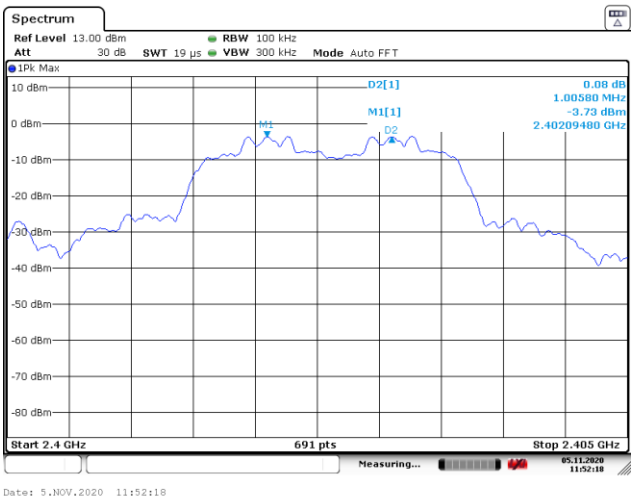
Figure 4: The result of Carrier Separation

DH5



Date: 5.NOV.2020 11:04:46

2DH5



Date: 5.NOV.2020 11:52:18

4.1.6 The number of hopping channels

Result: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.10: 2013
Limits	:	At least 15
Kind of test site	:	Shielded Room

Test Setup

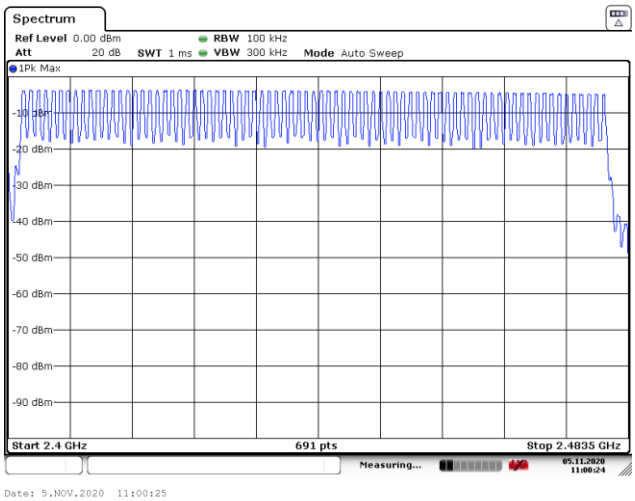
Date of testing	:	2020.11.04
Input voltage	:	DC 3.7V
Operational mode	:	Mode B
Temperature	:	22°C
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 5: Test result of hopping channel number

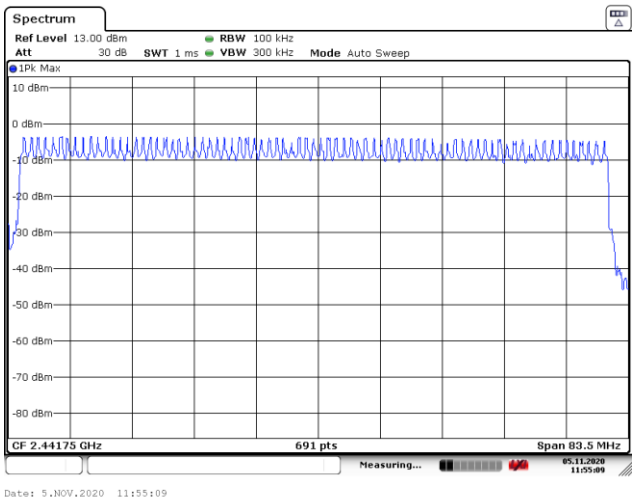
Mode	Channel Number	Limit	Result
DH5	79	>=15	Pass
2DH5	79	>=15	Pass

Figure 5: The number of hopping channels

DH5



2DH5



4.1.7 Channel Occupancy Time

Result: **Pass**

Test Specification

Test standard	:	FCC Part 15.247(a)(1)(iii)
Basic standard	:	ANSI C63.10: 2013
Limits	:	Not more than 0.4s
Kind of test site	:	Shielded Room

Test Setup

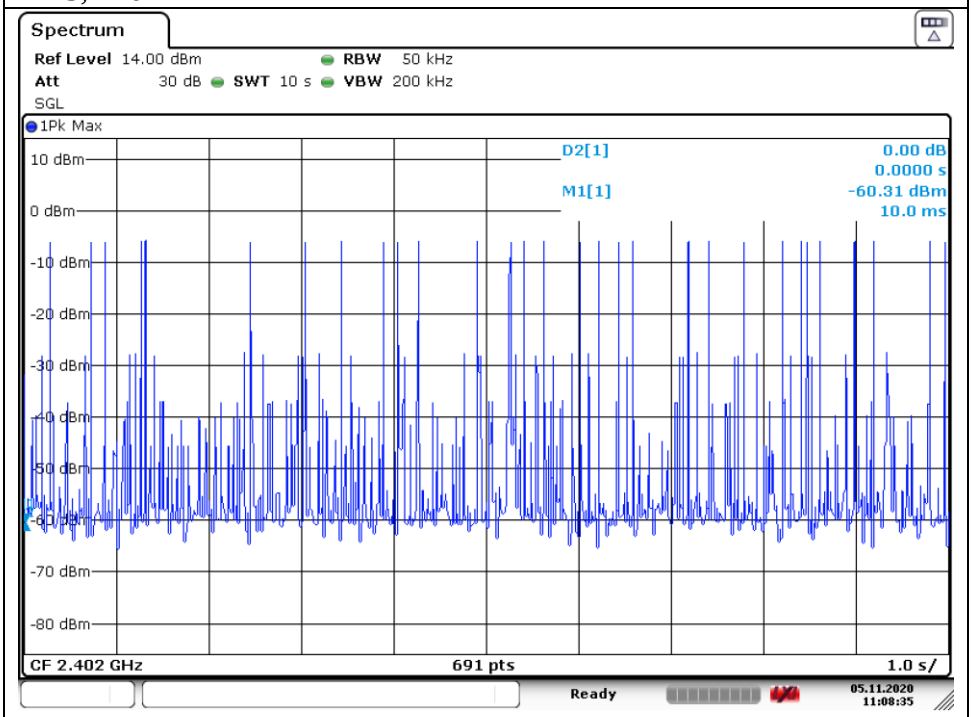
Date of testing	:	2020.11.04
Input voltage	:	DC 3.7V
Operational mode	:	Mode B
Temperature	:	22°C
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Table 6: Test result of Channel Occupancy Time

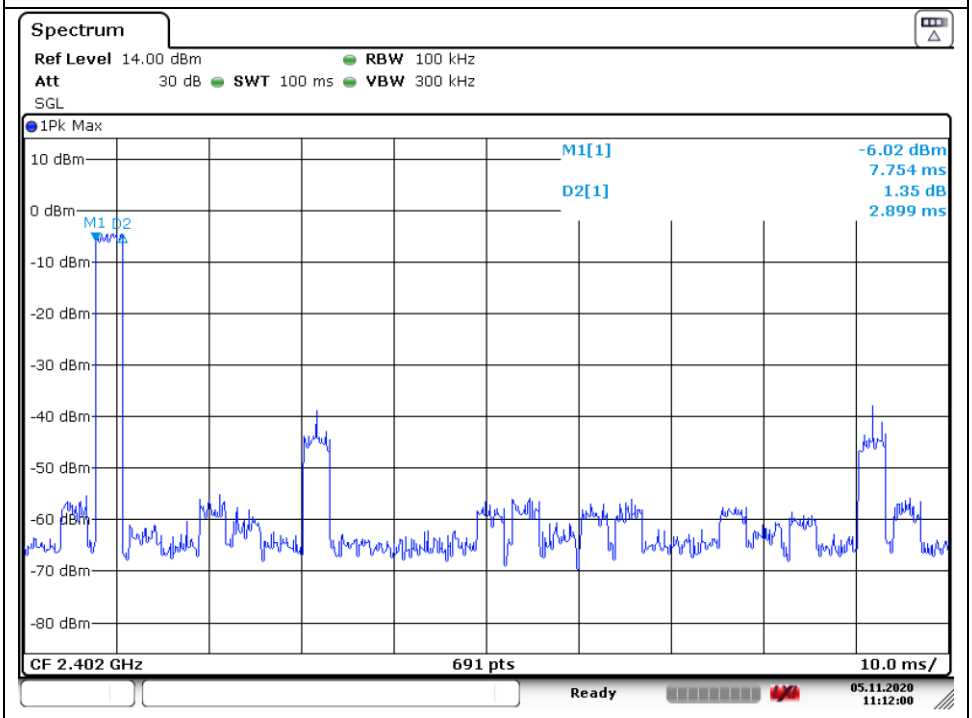
Mode	Period (s)	Channel Occupancy Time (ms)	Limit (ms)	Result
DH5	31.6	274.83	=<400	Pass
2DH5	31.6	247.34	=<400	Pass

Figure 6: Channel Occupancy Time

DH5, 2402Mhz

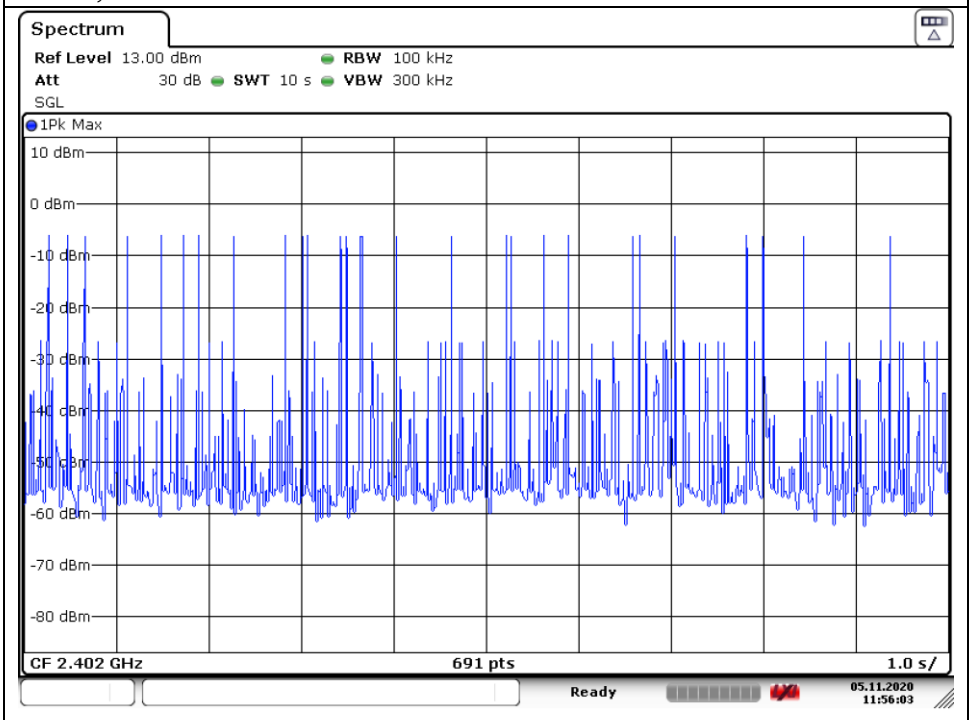


Date: 5.NOV.2020 11:08:35

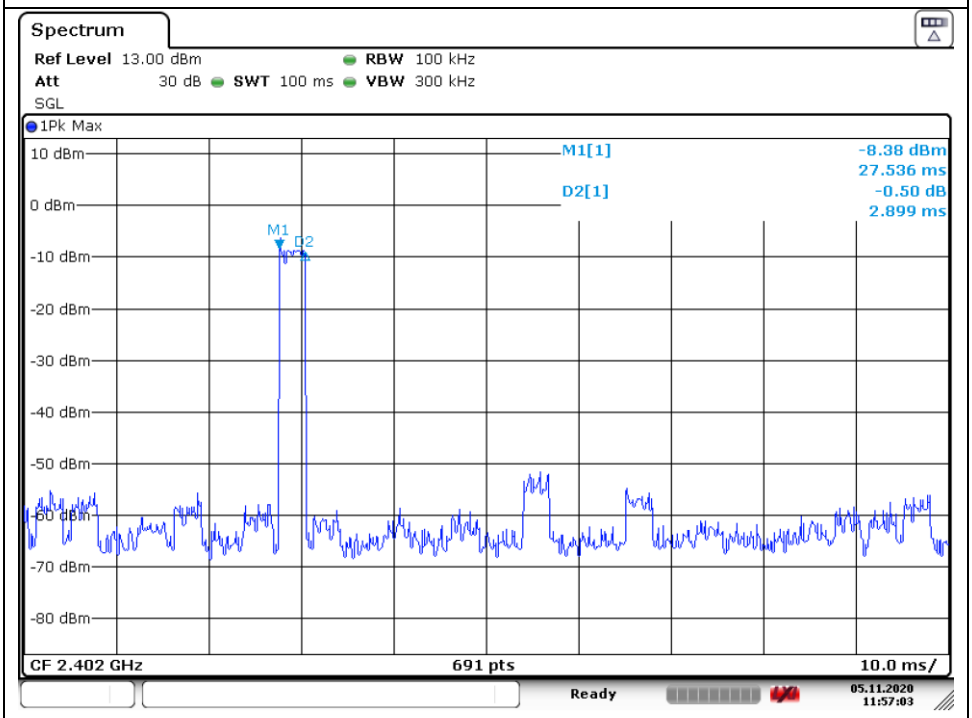


Date: 5.NOV.2020 11:12:01

2DH5, 2402MHz



Date: 5.NOV.2020 11:56:03



Date: 5.NOV.2020 11:57:04

4.1.8 Conducted Emission (AC power-line)

Result: **Pass**

Test Specification		
Test standard	:	FCC Part 15.207
Basic standard	:	ANSI C63.10: 2013, clause 6.2
Port	:	Mains
Frequency range	:	0.15 – 30MHz
Limits	:	FCC part 15.207(a)
Kind of test site	:	3m Semi-anechoic Chamber

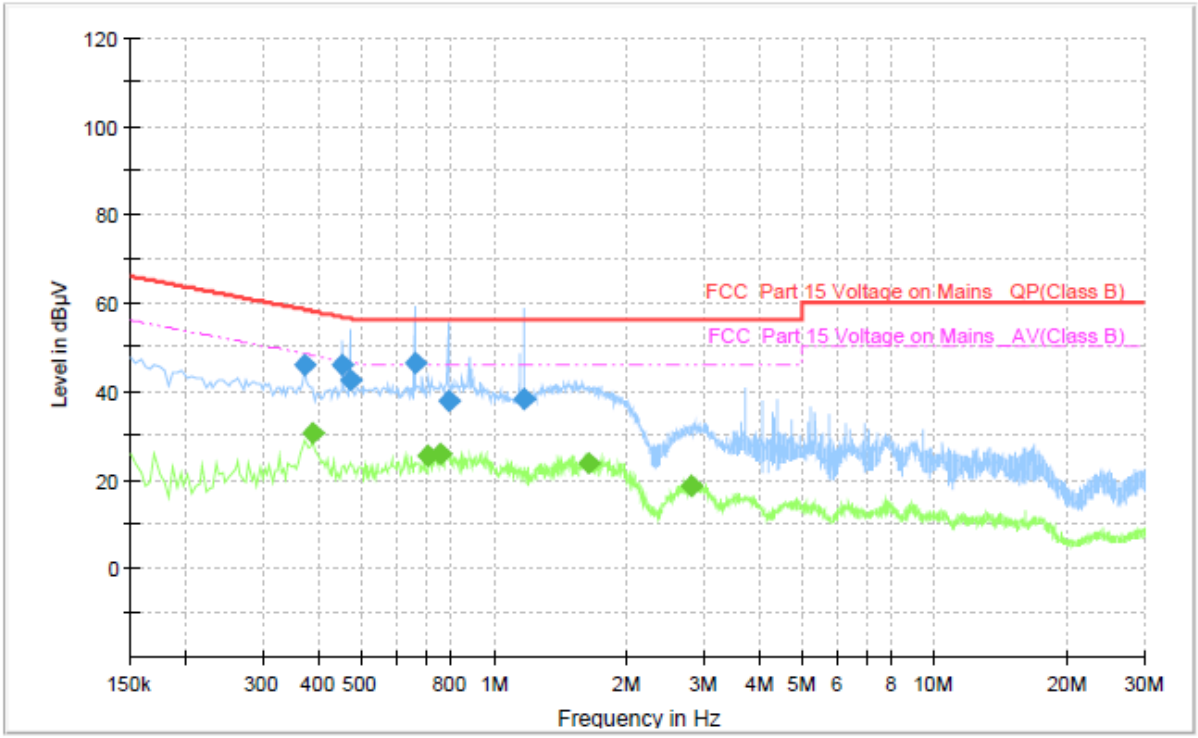
Test Setup

Date of testing	:	2020.11.11
Adaptor Input voltage	:	AC 120V, 60Hz
Operational mode	:	Mode C
Temperature	:	24°C
Relative humidity	:	55%
Atmospheric pressure	:	102.1 kPa

The measurement result is calculated based on the following formula by the test software:
Emission Level = Reading level + Correction (LISN factor + cable loss).

Figure 7: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, L

Full Spectrum

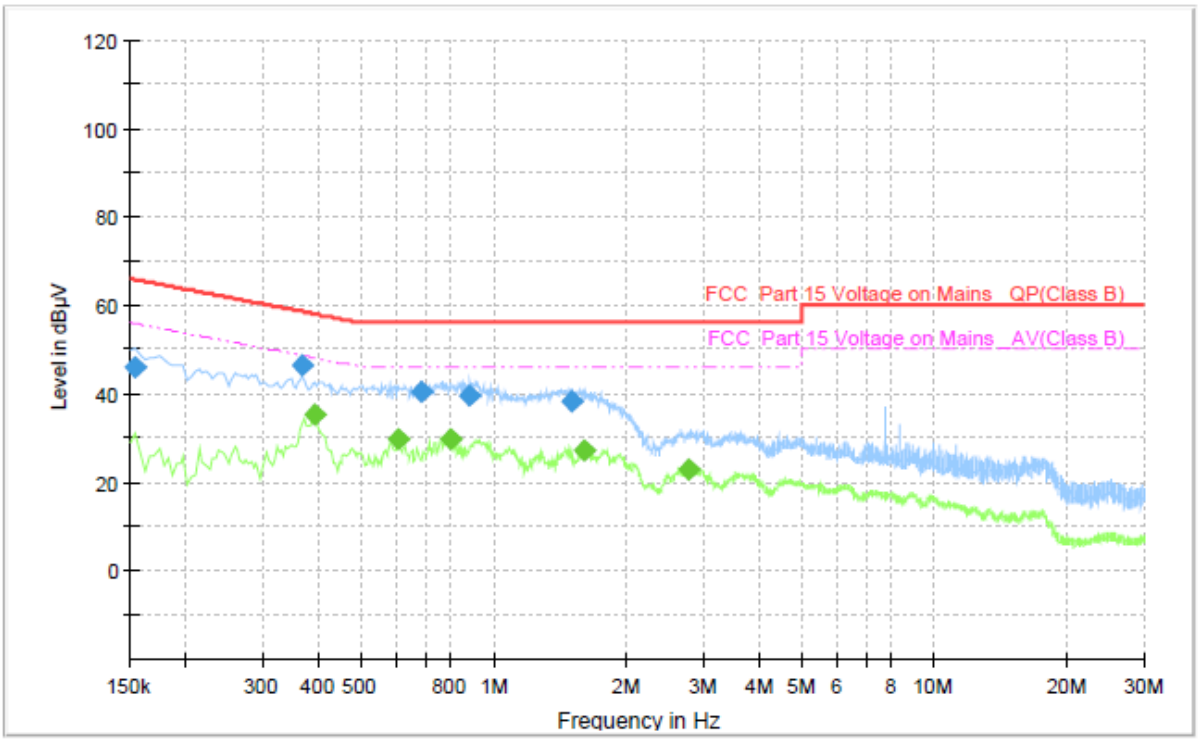


Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.370000	45.98	---	58.50	12.52	1000.0	9.000	L1	ON	9.5
0.390000	---	30.60	48.06	17.46	1000.0	9.000	L1	ON	9.5
0.454000	45.96	---	56.80	10.84	1000.0	9.000	L1	ON	9.5
0.470000	42.66	---	56.51	13.86	1000.0	9.000	L1	ON	9.5
0.662000	46.43	---	56.00	9.57	1000.0	9.000	L1	ON	9.5
0.710000	---	25.56	46.00	20.44	1000.0	9.000	L1	ON	9.5
0.758000	---	25.78	46.00	20.22	1000.0	9.000	L1	ON	9.5
0.786000	37.61	---	56.00	18.39	1000.0	9.000	L1	ON	9.5
1.170000	38.21	---	56.00	17.79	1000.0	9.000	L1	ON	9.5
1.638000	---	23.87	46.00	22.13	1000.0	9.000	L1	ON	9.6
2.818000	---	18.44	46.00	27.56	1000.0	9.000	L1	ON	9.6

Figure 8: Spectral Diagrams, Conducted Emission, 150kHz - 30MHz, N

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV)	CAverage (dBµV)	Limit (dBµV)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Line	Filter	Corr. (dB)
0.154000	46.02	---	65.78	19.76	1000.0	9.000	N	ON	9.6
0.366000	46.41	---	58.59	12.18	1000.0	9.000	N	ON	9.5
0.394000	---	35.10	47.98	12.88	1000.0	9.000	N	ON	9.5
0.606000	---	29.54	46.00	16.46	1000.0	9.000	N	ON	9.5
0.682000	40.56	---	56.00	15.44	1000.0	9.000	N	ON	9.5
0.798000	---	29.68	46.00	16.32	1000.0	9.000	N	ON	9.5
0.882000	39.64	---	56.00	16.36	1000.0	9.000	N	ON	9.5
1.502000	38.20	---	56.00	17.80	1000.0	9.000	N	ON	9.6
1.610000	---	27.22	46.00	18.78	1000.0	9.000	N	ON	9.6
2.770000	---	22.63	46.00	23.37	1000.0	9.000	N	ON	9.6

4.1.9 Radiated Emission

Result: **Pass**

Test Specification		
Test standard	:	FCC Part 15.209
Basic standard	:	ANSI C63.10: 2013
Port	:	Enclosure
Frequency range	:	30MHz-1000MHz
Limits	:	FCC part15.209(a)
Kind of test site	:	3m Semi-anechoic Chamber

Test Setup

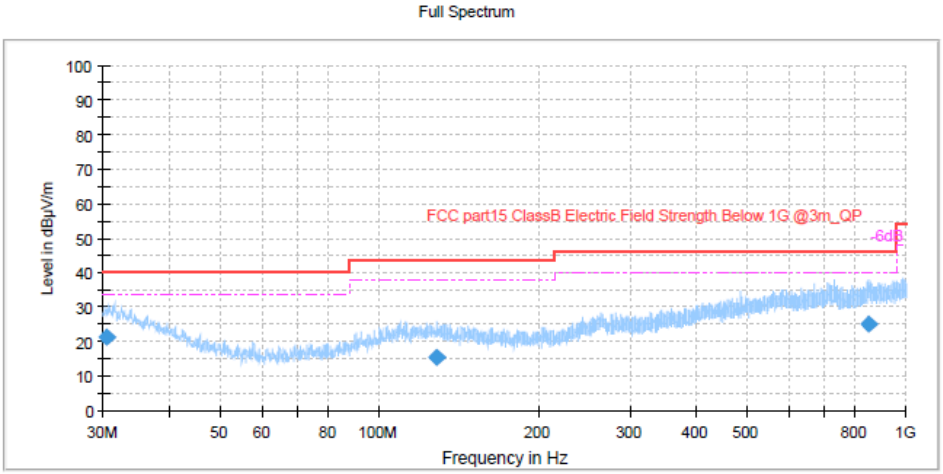
Date of testing	:	2020.11.03-2020.11.11
Input voltage	:	DC 3.7V
Operational mode	:	Mode A
Test channel	:	Lo, Hi
Temperature	:	22°C
Relative humidity	:	55%
Atmospheric pressure	:	101 kPa

Remark:
Testing was carried out within frequency range 9kHz to the tenth harmonics. Only the worst case emissions configuration of the each mode were reported.

The measurement result is calculated based on the following formula by the test software:
Emission Level = Reading level + Correction（Antenna factor + Cable loss – Preamplifier）

Figure 9: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, DH5, 2402MHz

Full Spectrum

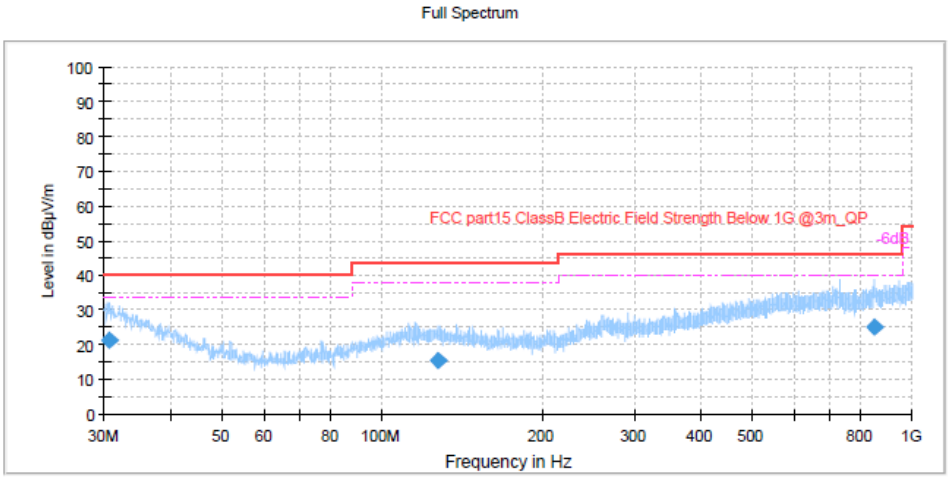


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.452778	21.45	40.00	18.55	1000.0	120.000	122.0	H	9.0	25.1
128.666111	15.54	43.50	27.96	1000.0	120.000	120.0	H	14.0	19.0
845.223333	25.09	46.00	20.91	1000.0	120.000	120.0	H	76.0	29.4

Figure 10: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Vertical, DH5, 2402MHz

Full Spectrum

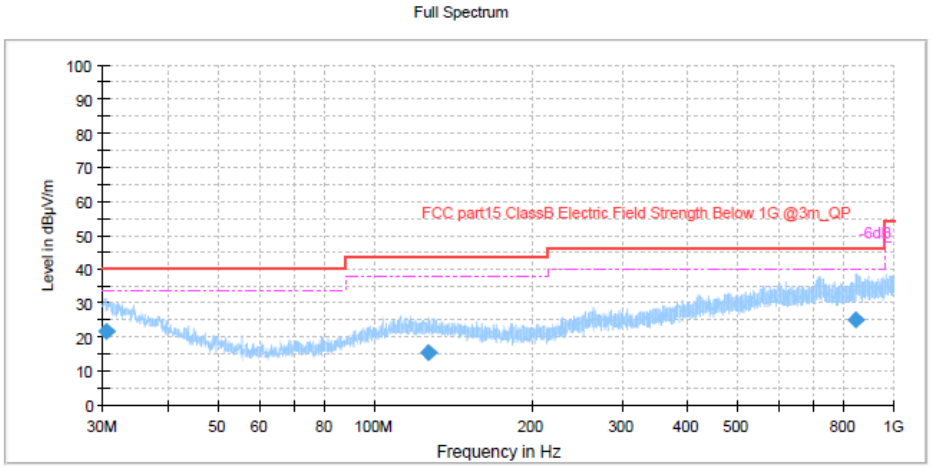


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.760556	21.27	40.00	18.73	1000.0	120.000	137.0	V	16.0	24.9
127.491111	15.64	43.50	27.86	1000.0	120.000	146.0	V	2.0	19.0
848.891111	25.07	46.00	20.93	1000.0	120.000	127.0	V	307.0	29.4

Figure 11: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, DH5, 2480MHz

Full Spectrum

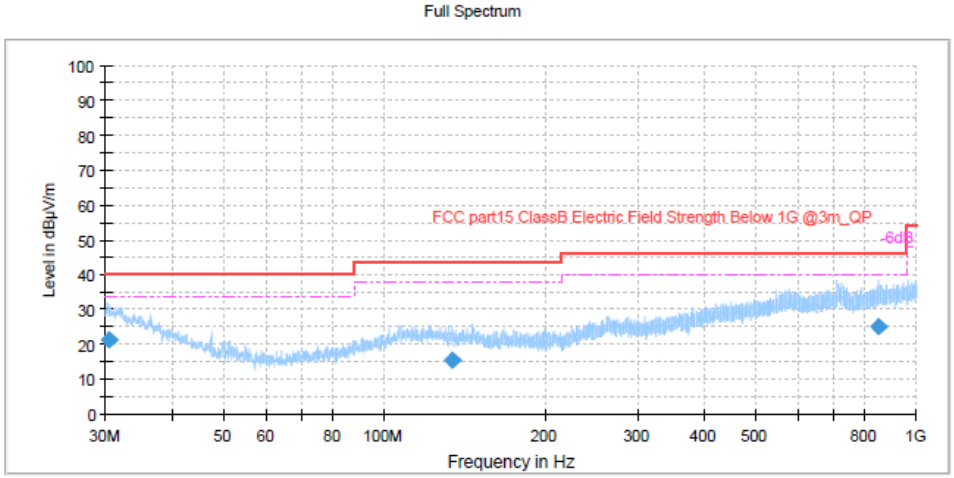


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.343333	21.57	40.00	18.43	1000.0	120.000	136.0	H	94.0	25.1
127.181667	15.60	43.50	27.90	1000.0	120.000	134.0	H	22.0	19.1
844.767778	25.16	46.00	20.84	1000.0	120.000	150.0	H	136.0	29.5

Figure 12: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Vertical, DH5, 2480MHz

Full Spectrum

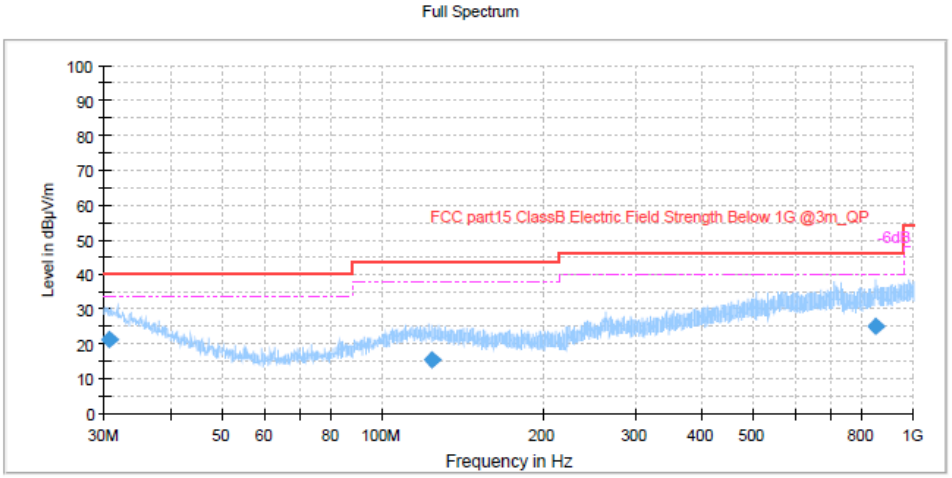


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.477222	21.51	40.00	18.49	1000.0	120.000	120.0	V	22.0	25.0
134.133333	15.29	43.50	28.21	1000.0	120.000	144.0	V	63.0	18.7
846.085556	25.12	46.00	20.88	1000.0	120.000	114.0	V	150.0	29.4

Figure 13: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, 2DH5, 2402MHz

Full Spectrum

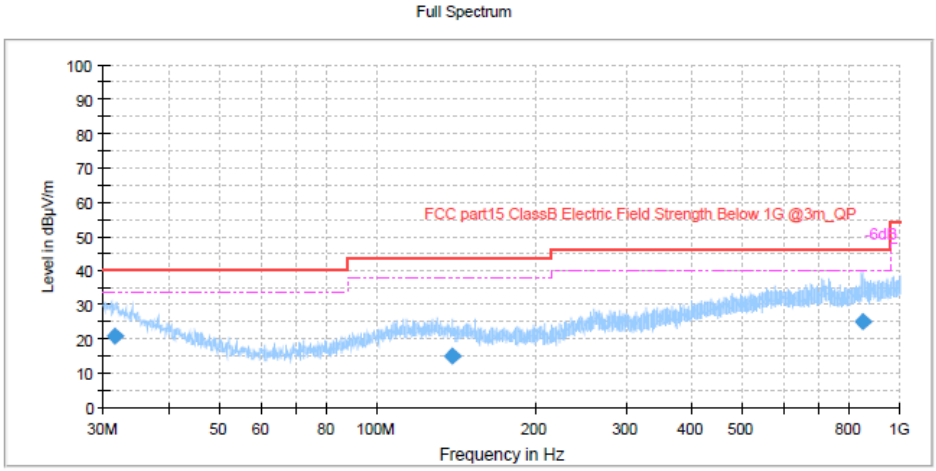


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.611111	21.40	40.00	18.60	1000.0	120.000	144.0	H	84.0	25.0
124.017778	15.66	43.50	27.84	1000.0	120.000	108.0	H	-4.0	19.2
845.103333	25.10	46.00	20.90	1000.0	120.000	122.0	H	20.0	29.4

Figure 14: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Vertical, 2DH5, 2402MHz

Full Spectrum

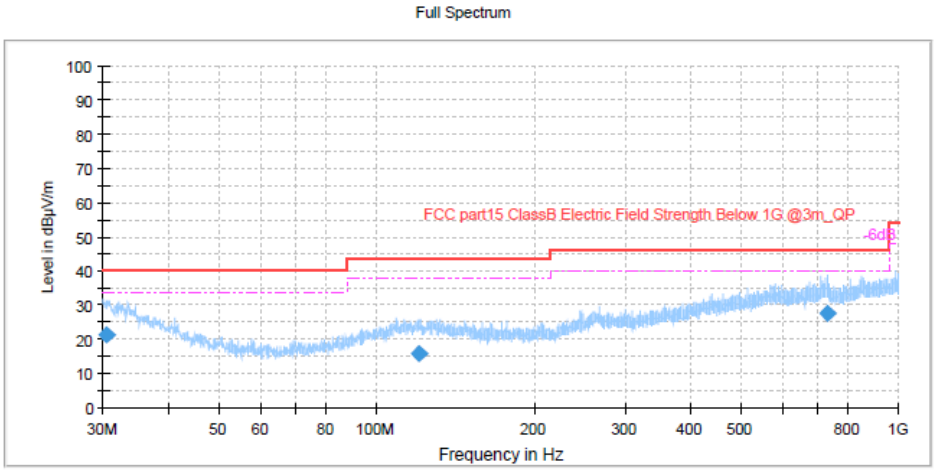


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
31.464444	20.87	40.00	19.13	1000.0	120.000	111.0	V	40.0	24.5
138.985000	15.18	43.50	28.32	1000.0	120.000	140.0	V	-2.0	18.5
845.868333	25.06	46.00	20.94	1000.0	120.000	104.0	V	32.0	29.4

Figure 15: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Horizontal, 2DH5, 2480MHz

Full Spectrum

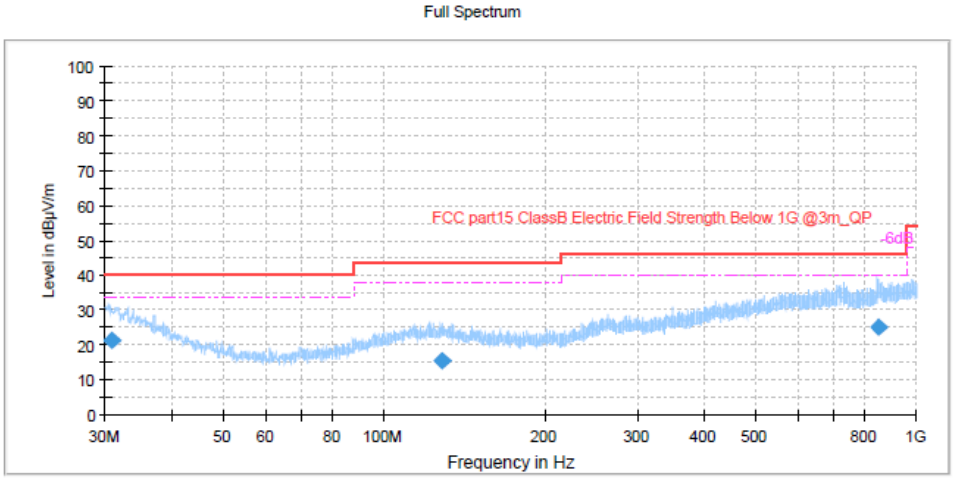


Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.478889	21.44	40.00	18.56	1000.0	120.000	213.0	H	135.0	25.0
121.013889	15.71	43.50	27.79	1000.0	120.000	158.0	H	207.0	19.3
729.619444	27.41	46.00	18.59	1000.0	120.000	241.0	H	277.0	28.1

Figure 16: Spectral Diagrams, Radiated Emission, 30MHz-1000MHz, Vertical, 2DH5, 2480MHz

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Corr. (dB)
30.854444	21.14	40.00	18.86	1000.0	120.000	245.0	V	273.0	24.9
128.693889	15.47	43.50	28.03	1000.0	120.000	244.0	V	41.0	19.0
845.207778	24.98	46.00	21.02	1000.0	120.000	154.0	V	242.0	29.4

5 List of Tables

6 List of Figures

-- The END --