

Annex 1: Test diagrams to TEST REPORT No.: 17-1-0099901T08a

According to:
FCC Regulations
Part 15.247

IC-Regulations
RSS-Gen, Issue 4
RSS-247, Issue 2

for

Renesas Electronics Europe GmbH

**Bluetooth Low Energy Evaluation Board
Y-Charge-IT**

FCC: 2ANWT-CHARGE-IT
ISED: 23343-YCHARGEIT
PMN: CHARGE-IT
HVIN: Y-CHARGE-IT
FVIN: FW-Y-CHARGE-IT

Laboratory Accreditation and Listings		
 Deutsche Akkreditierungsstelle D-PL-12047-01-01 Accredited EMC-Test Laboratory	 Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	 Voluntary Controls for Electromagnetic Emissions Reg. No.: R-20013, C-20009, T-20006, G-20013
 AUTHORIZED RF LABORATORY	 Authorized™ Test Lab Lab Code: 20011130-00	 FEDERAL COMMUNICATIONS COMMISSION MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		
CETECOM GmbH Laboratory Radio Communications & Electromagnetic Compatibility Im Teelbruch 116 • 45219 Essen • Germany Registered in Essen, Germany, Reg. No.: HRB Essen 8984 Tel.: + 49 (0) 20 54 / 95 19-954 • Fax: + 49 (0) 20 54 / 95 19-964 E-mail: info@cetecom.com • Internet: www.cetecom.com		
Laboratory Accreditation and Listings		

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1. Radiated field strength measurements accord. §15.209&15.205

1.1. Magnetic field measurements $f < 30\text{MHz}$

Diagram No. 2.01_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch37-+3dBm

Test description:	Date: 16.08.2017 Page 1 of 5
Test site and distance:	Magnetic Field Strength Measurement related to 30/300 m distance
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Technical Data:	used accord. table, pls. see test report
Rec. antenna (pre-scan):	Please see page 2 for detailed data of measurement setup
Used filter:	height 1.00 m, parallel and 90° to EUT polarisation
Test specification:	bypass
Operator:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operating conditions:	TFR
	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 37 (2402 MHz)- PWR+3dBm

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

Full Spectrum

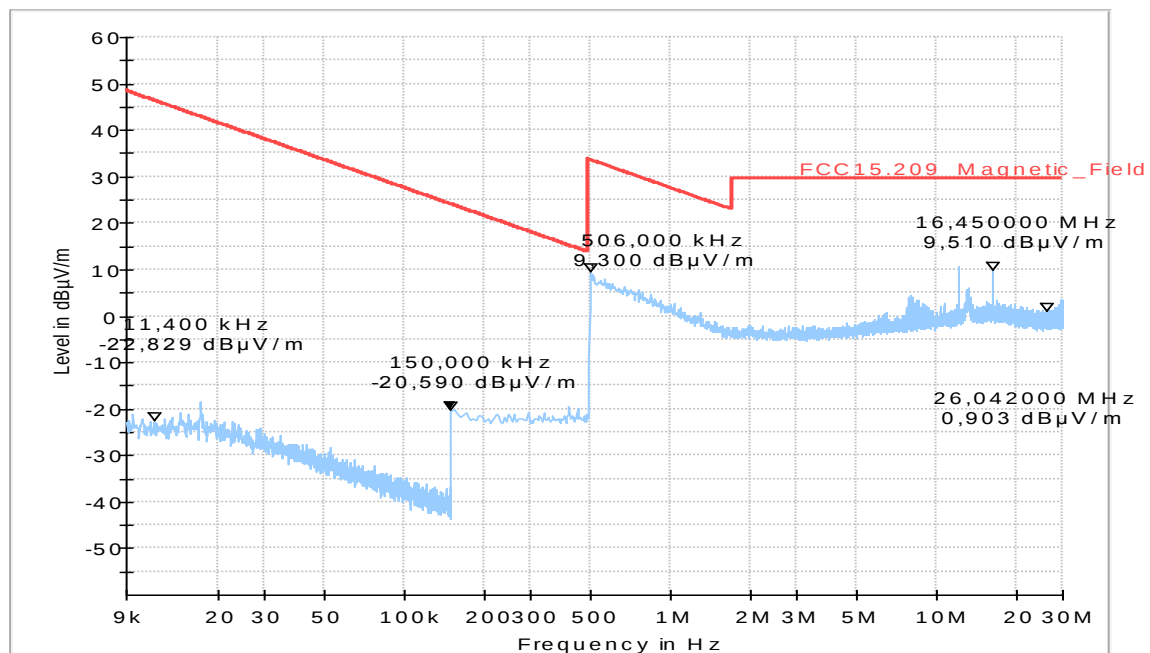


Diagram No. 2.02_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch17-+3dBm

Test description:	Date: 16.08.2017 Page 1 of 5
Test site and distance:	Magnetic Field Strength Measurement related to 30/300 m distance
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Technical Data:	used accord. table, pls. see test report
Rec. antenna (pre-scan):	Please see page 2 for detailed data of measurement setup
Used filter:	height 1.00 m, parallel and 90° to EUT polarisation
Test specification:	bypass
Operator:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operating conditions:	TFR
	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 17 (2440 MHz)- PWR+3dBm

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

Full Spectrum

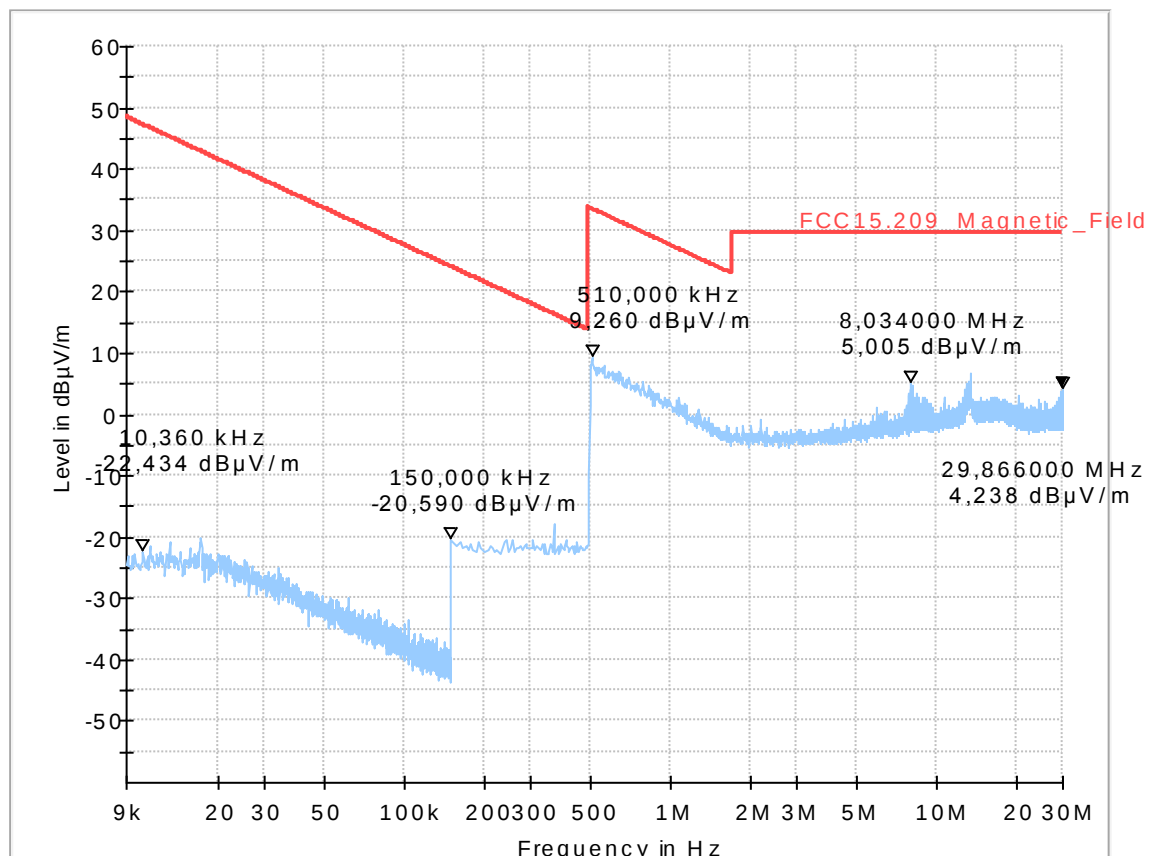


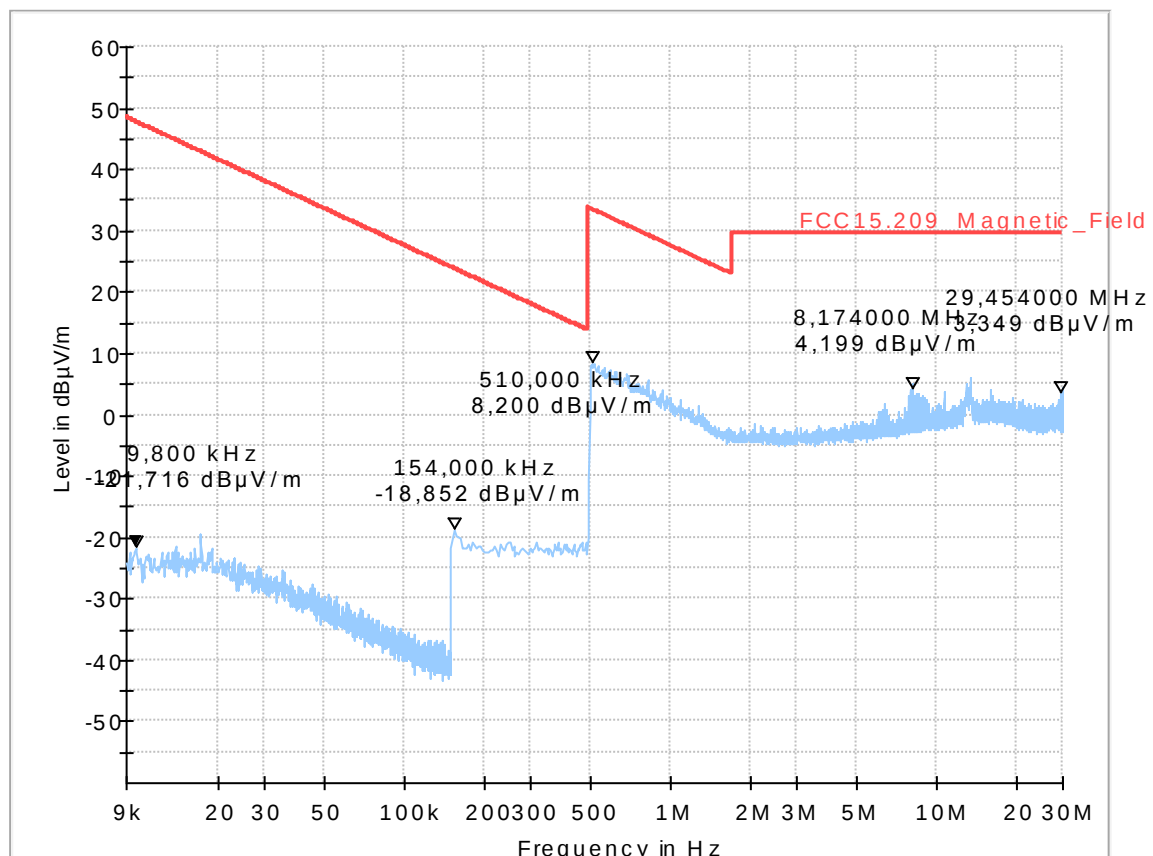
Diagram No. 2.03_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch39-+3dBm

Date:	16.08.2017	Page 1 of 3
Test description:	Magnetic Field Strength Measurement related to 30/300 m distance	
Test site and distance:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance	
Version of Testsoftware:	EMC32 V9.25.0	
Distance correction:	used accord. table, pls. see test report	
Technical Data:	Please see page 2 for detailed data of measurement setup	
Rec. antenna (pre-scan):	height 1.00 m, parallel and 90° to EUT polarisation	
Used filter:	bypass	
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4	
Operator:	TFr	
Operating conditions:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 39 (2480 MHz)- PWR+3dBm	

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

Full Spectrum



1.2. Field strength measurements 30MHz <f <1GHz

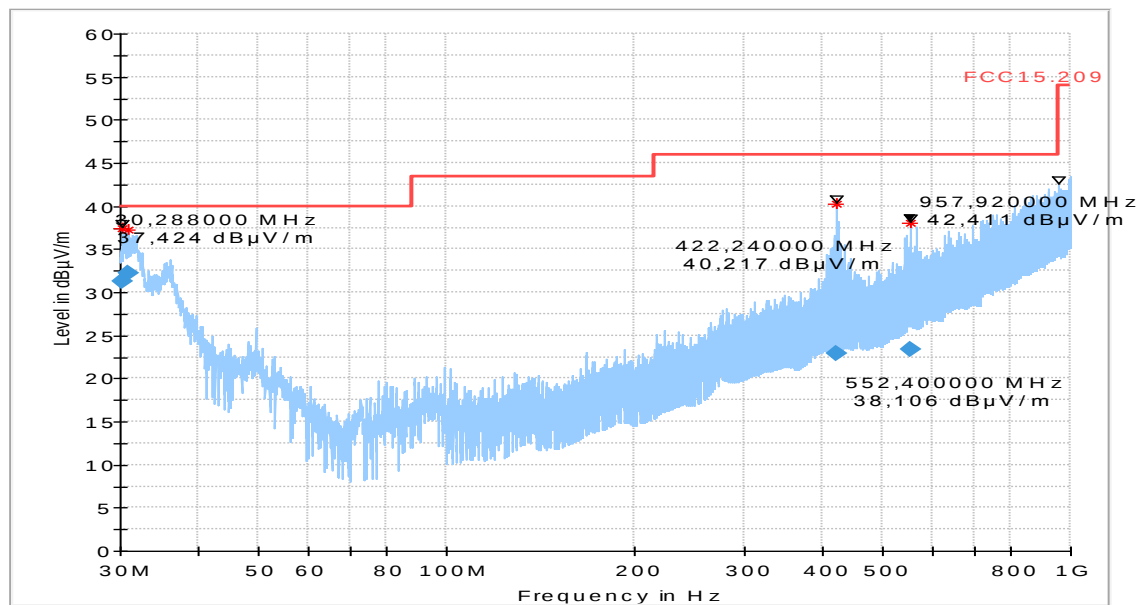
Diagram No. 3.01_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch37-+3dBm

Test description: 23.08.2017 Page 1 of 2
 Test site and distance: Electric Field Strength Measurement
 Version of Testsoftware: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
 Distance correction: EMC32 V9.25.0
 Used filter: not used
 Technical Data: not used
 Test specification.: please see page 2 for detailed data of measurement setup
 Operator: FCC 15.209/15.205; RSS-Gen., Issue 4
 Operating conditions: HEI
 Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 37 (2402 MHz)- PWR+3dBm

EUT Information

Manufacturer: Renesas Electronics GmbH
 Model: Y-CHARGE-IT
 Type: -
 EUT: -
 HW version: V1.30
 SW version: V1.0.137
 SVN: TBD
 Config: -
 Serial number: #4
 Connected Interfaces: -
 Power Supply: 3.7 V/DC Internal Battery(Type: CR1254A)
 Comments: -

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
30.288000	31.32	40.00	8.68	1000.0	120.000	112.0	V	186.0	90.0	21.4
30.844000	32.24	40.00	7.76	1000.0	120.000	113.0	V	103.0	90.0	21.2
422.312000	22.87	46.00	23.13	1000.0	120.000	354.0	V	200.0	0.0	19.0
552.368000	23.31	46.00	22.69	1000.0	120.000	280.0	H	123.0	90.0	21.8

Diagram No. 3.02_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch17-+3dBm

23.08.2017 Page 1 of 2

Test description: Electric Field Strength Measurement

Test site and distance: Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance

Version of Testsoftware: EMC32 V9.25.0

Distance correction: not used

Used filter: not used

Technical Data: please see page 2 for detailed data of measurement setup

Test specification.: FCC 15.209/15.205; RSS-Gen., Issue 4

Operator: HEI

Operating conditions: Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 17 (2440 MHz)- PWR+3dBm

EUT Information

Manufacturer: Renesas Electronics GmbH

Model: Y-CHARGE-IT

Type: -

EUT: -

HW version: V1.30

SW version: V1.0.137

SVN: TBD

Config: -

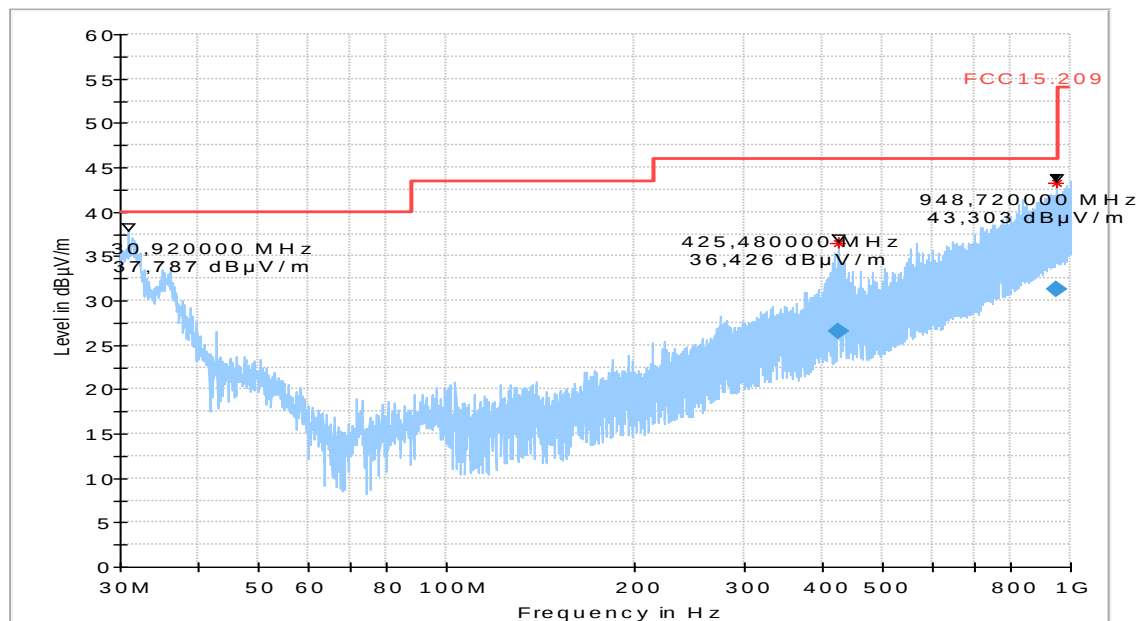
Serial number: #4

Connected Interfaces: -

Power Supply: 3.7 V/DC Internal Battery(Type: CR1254A)

Comments: -

Full Spectrum



Final Result

Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Correction (dB)
425.504000	26.53	46.00	19.47	1000.0	120.000	342.0	V	266.0	90.0	19.2
948.676000	31.27	46.00	14.73	1000.0	120.000	109.0	V	184.0	0.0	27.1

Diagram No. 3.03_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch39-+3dBm

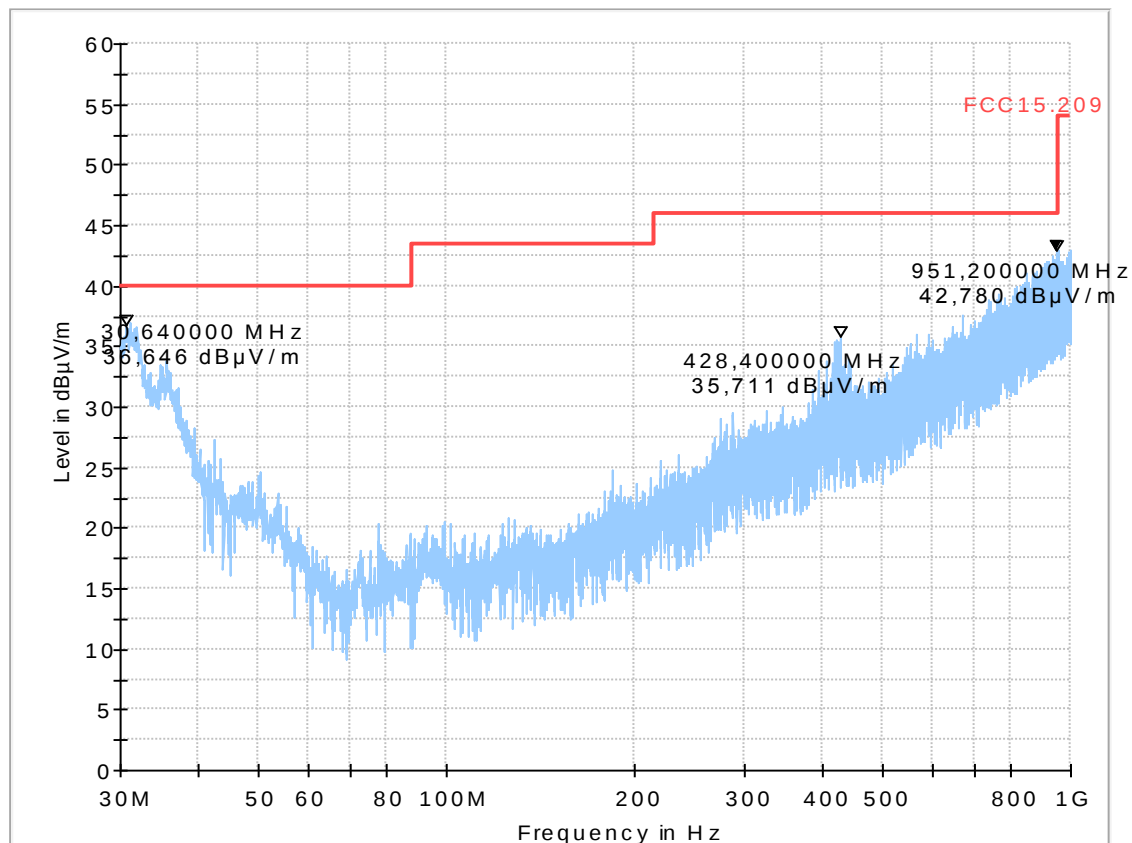
Test description:	23.08.2017 Page 1 of 1
Test site and distance:	Electric Field Strength Measurement
Version of Testsoftware:	Ref.-Nr. 441 Semi Anechoic Room (SAR) with 3 m measurement distance
Distance correction:	EMC32 V9.25.0
Used filter:	not used
Technical Data:	not used
Test specification.:	please see page 2 for detailed data of measurement setup
Operator:	FCC 15.209/15.205; RSS-Gen., Issue 4
Operating conditions:	HEI
	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 39 (2480 MHz)- PWR+3dBm

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-

EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

Full Spectrum



1.3. Field strength measurements $1\text{GHz} < f < 18\text{GHz}$

Diagram No.: 4.01_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch37-+3dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 37 (2402 MHz)- PWR+3dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

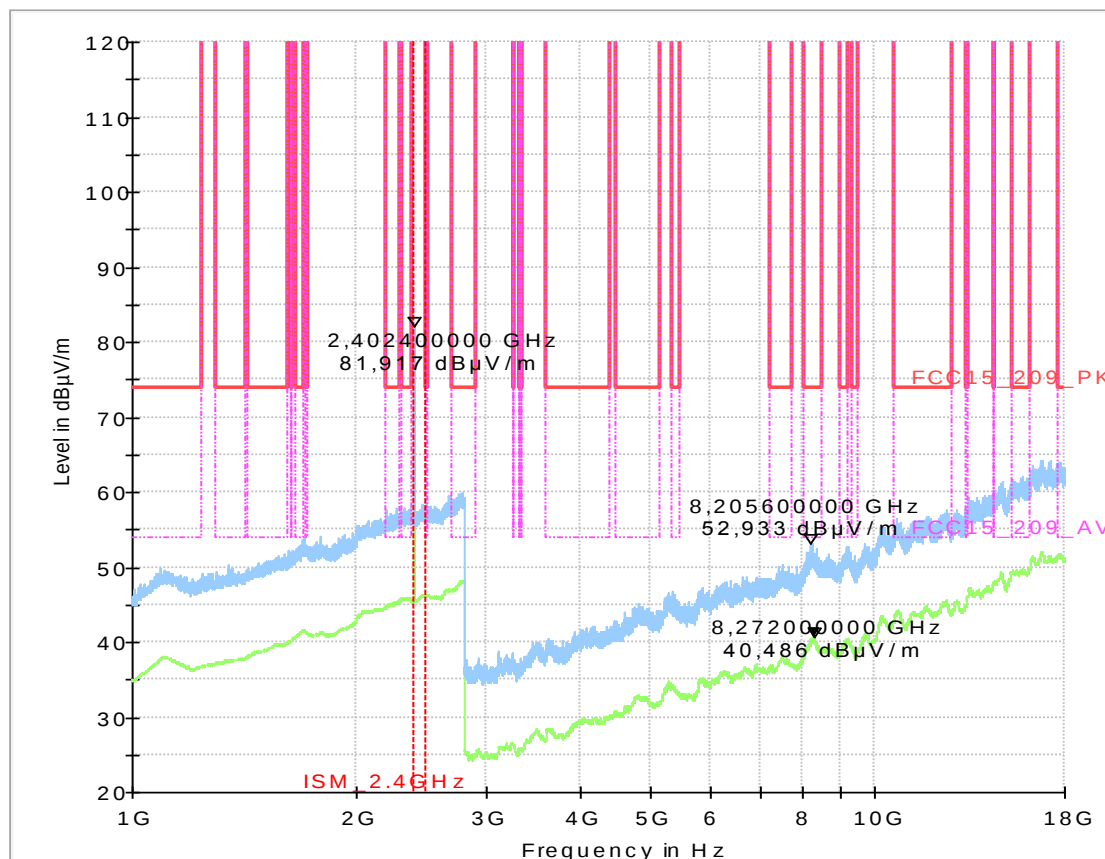


Diagram No.: 4.02_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch17-+3dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 17 (2440 MHz)- PWR+3dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

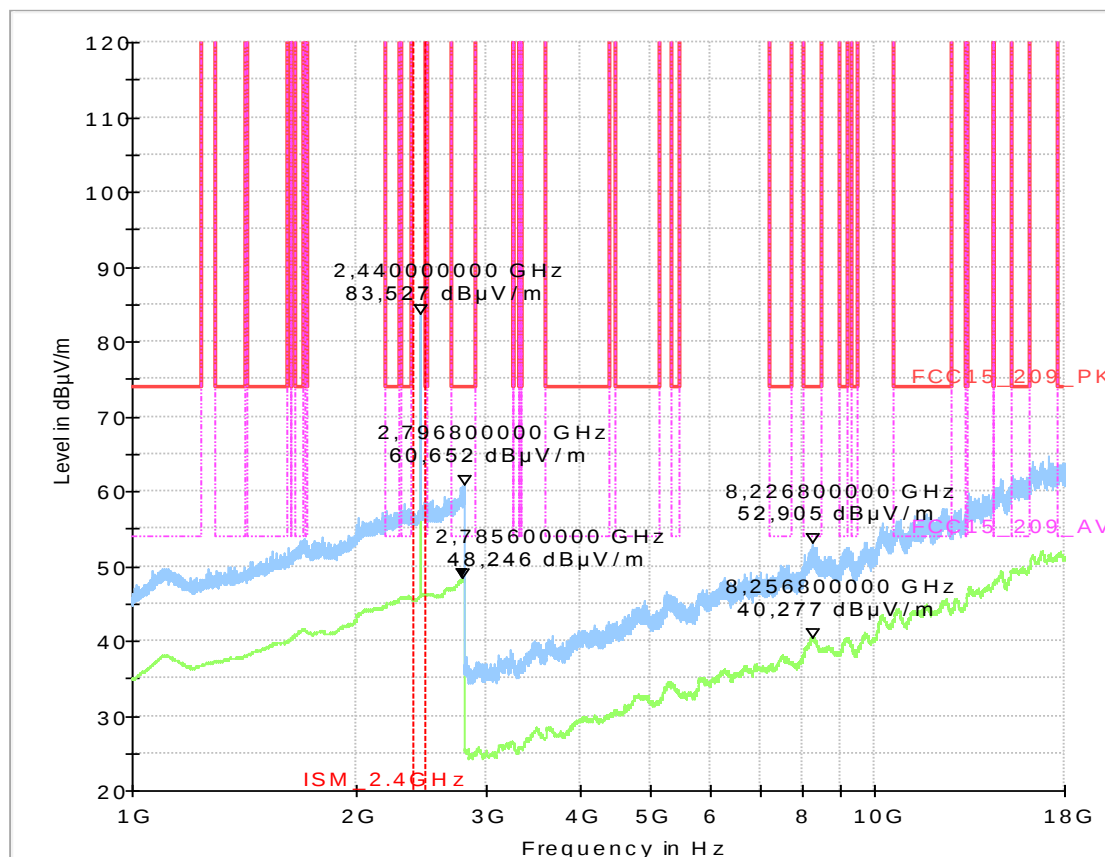


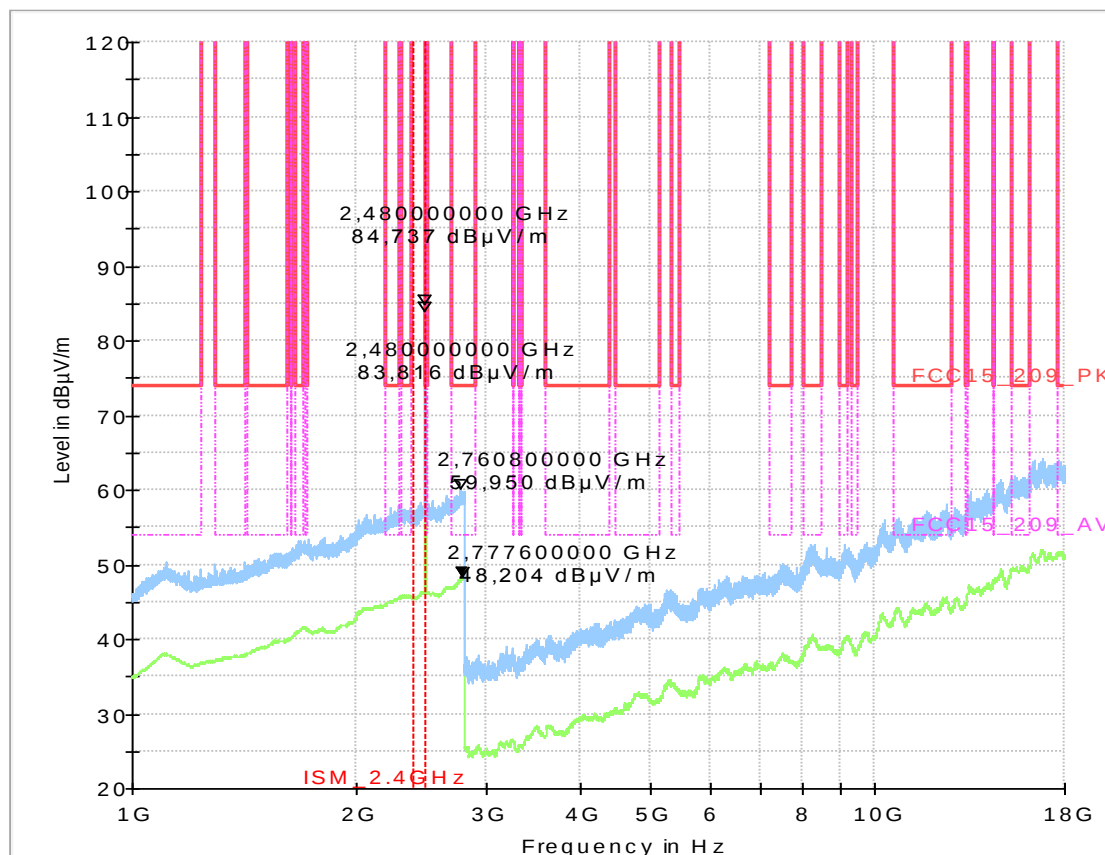
Diagram No.: 4.03_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch39-+3dBm

Common Information

Test Description:	Radiated field strength emission in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 39 (2480 MHz)- PWR+3dBm
Operator Name:	DLe

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-



1.4. Field strength measurements 18GHz < f < 25GHz

Diagram No.: 4.01a_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch37-+3dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 37 (2402 MHz)- PWR+3dBm
Operator Name:	TFR
Comment:	Channel no. low

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

FCC_Sweep_15.407_18_40GHz_Pre

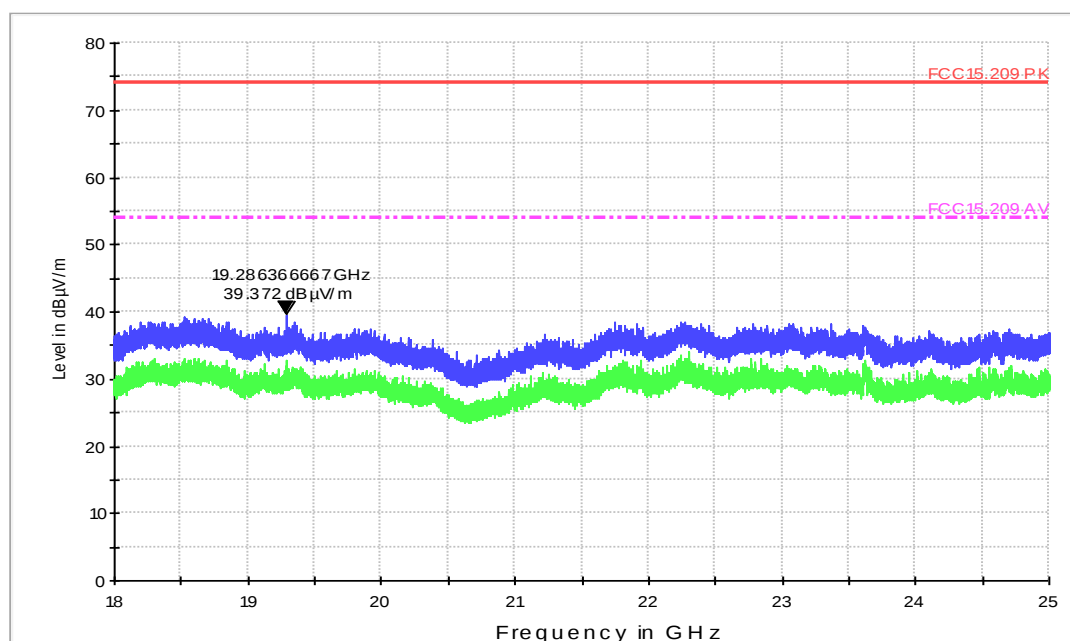


Diagram No.: 4.02a_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch17-+3dBm

Common Information

Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 17 (2440 MHz)- PWR+3dBm
Operator Name:	TFr
Comment:	Channel no. middle

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

FCC_Sweep_15.407_18_40GHz_Pre

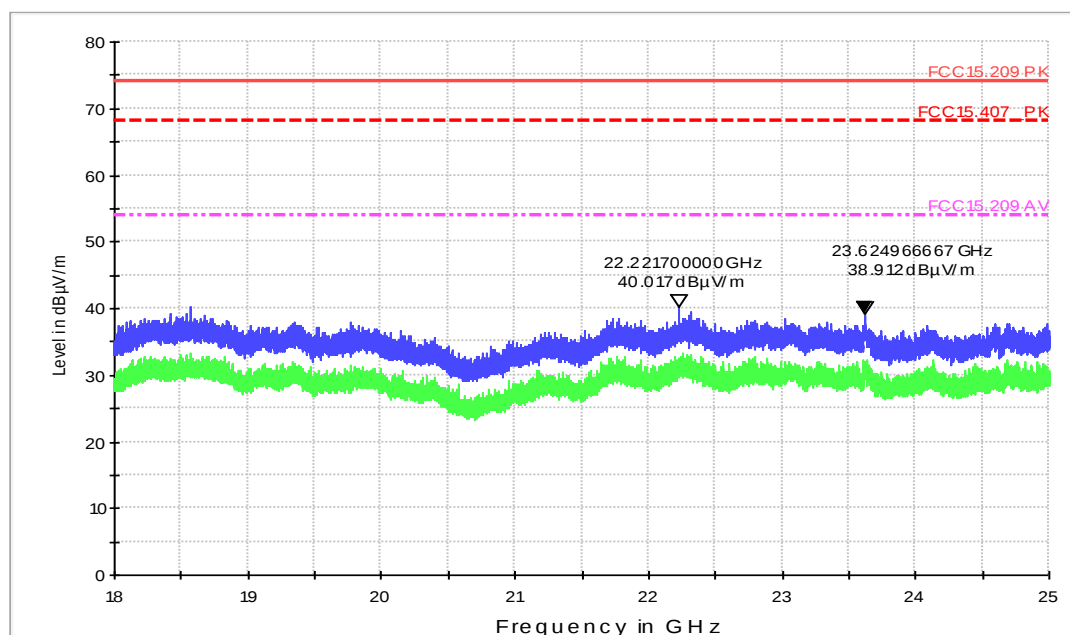


Diagram No.: 4.03a_CHARGE IT-BT-TX-LE Mode-GFSK-1 Mbps-PN9-Ch39-+3dBm

Common Information

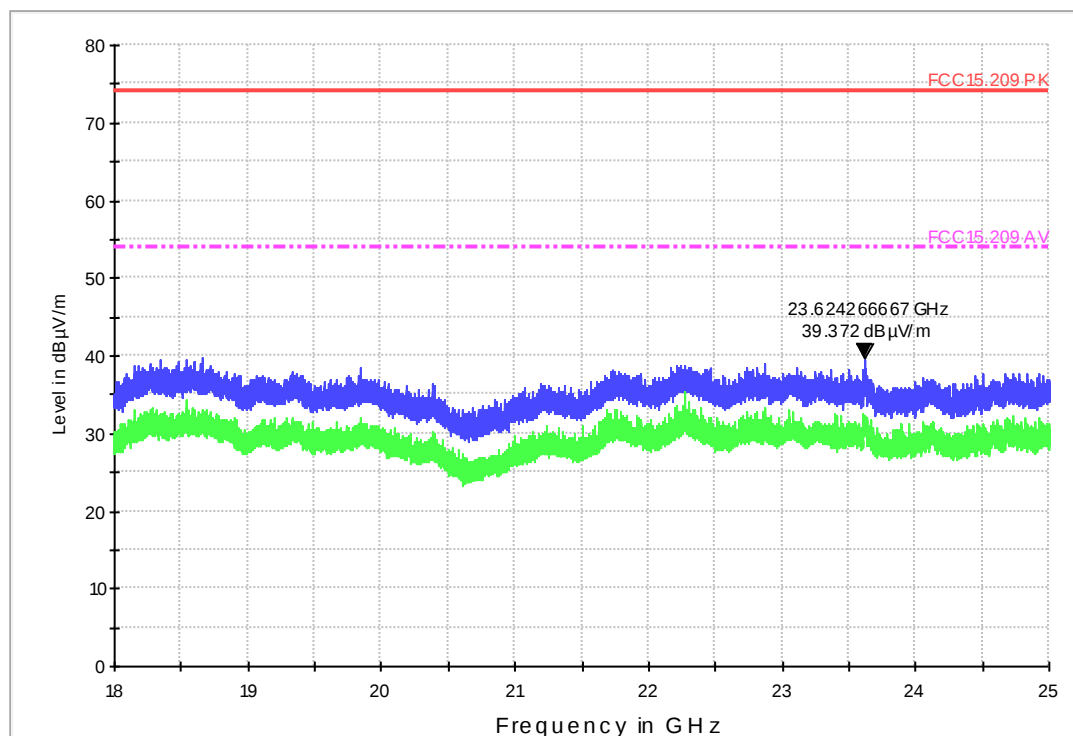
Test Description:	Radiated field strength emission in 1m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247, 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Distance correction factor	3 to 1m: -10.5 dB applying to measurement results
SW-Version:	EMC32 V8.53.0
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 39 (2480 MHz)- PWR+3dBm
Operator Name:	TFR
Comment:	Channel no. high

EUT Information

Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-

EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-

FCC_Sweep_15.407_18_40GHz_Pre



2. Radiated band-edge measurements accord. §15.209 & §15.205 (§15.247)

2.1. Channel 37 (left band edge)

Diagram No.: 9.01_BE-Low- CHARGE IT-BT-TX--LE Mode-GFSK-1 Mbps- PN9-Ch37-+3dBm

Common Information

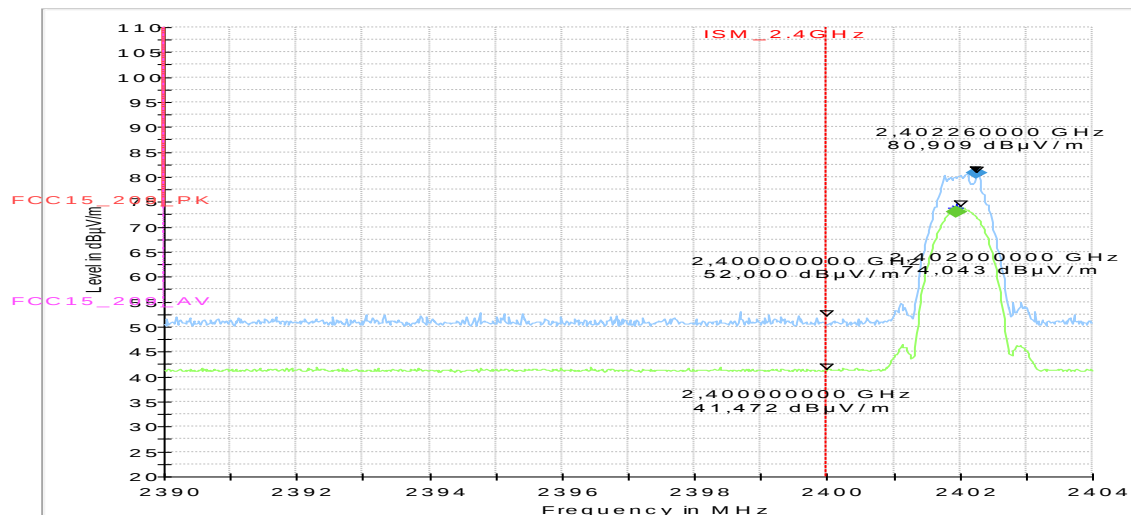
Test Description: Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site: CETECOM GmbH Essen
Test Standard: FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation: horizontal/vertical
Operation mode: Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 37 (2402 MHz)- PWR+3dBm

Operator Name: DLe

EUT Information

Manufacturer: Renesas Electronics GmbH
Model: Y-CHARGE-IT
Type: -

EUT: -
HW version: V1.30
SW version: V1.0.137
SVN: TBD
Config: -
Serial number: #4
Connected Interfaces: -
Power Supply: 3.7 V/DC Internal Battery(Type: CR1254A)
Comments: -



Final Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
2401.940000	---	73.10	150.00	76.90	100.0	100.000	155.0	H	356.0	90.0
2402.260000	80.91	---	150.00	69.09	100.0	100.000	155.0	H	357.0	90.0

(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr.	Comment
2401.940000	35.6	16:52:42 - 08.08.2017
2402.260000	35.6	16:51:48 - 08.08.2017

2.2. Channel 39 (right band edge)

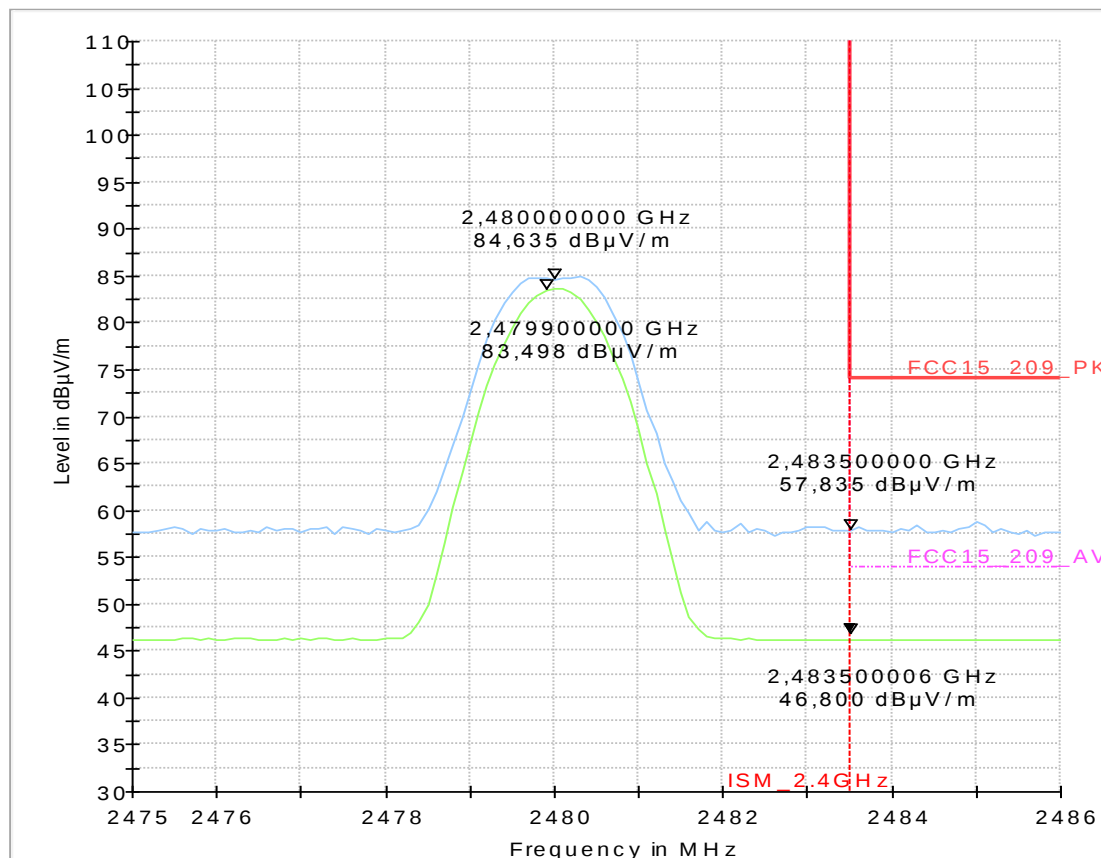
Diagram No.: 9.02_BE-High CHARGE IT-BT-TX--LE Mode-GFSK-1 Mbps- PN9-Ch39-+3dBm

Common Information

Test Description:	Band-Edge: Radiated Field Strength Emissions Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.247&15.209 Intentional Radiator / RSS-Gen, Issue 4
Antenna polarisation:	horizontal/vertical
Operation mode:	Continuous TX-BT-LE Mode-GFSK-1 Mbps- PN9-Ch 39 (2480 MHz)- PWR+3dBm
Operator Name:	DLe

EUT Information

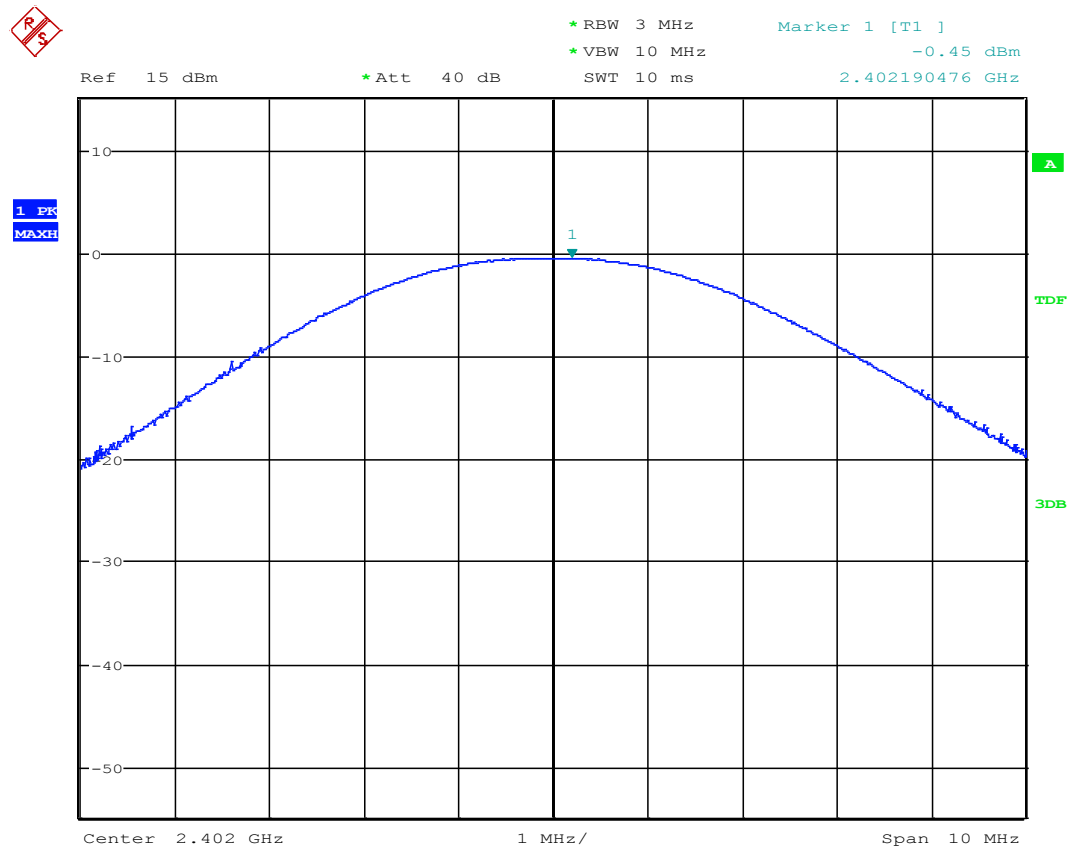
Manufacturer:	Renesas Electronics GmbH
Model:	Y-CHARGE-IT
Type:	-
EUT:	-
HW version:	V1.30
SW version:	V1.0.137
SVN:	TBD
Config:	-
Serial number:	#4
Connected Interfaces:	-
Power Supply:	3.7 V/DC Internal Battery(Type: CR1254A)
Comments:	-



3. Conducted RF-measurements on antenna port

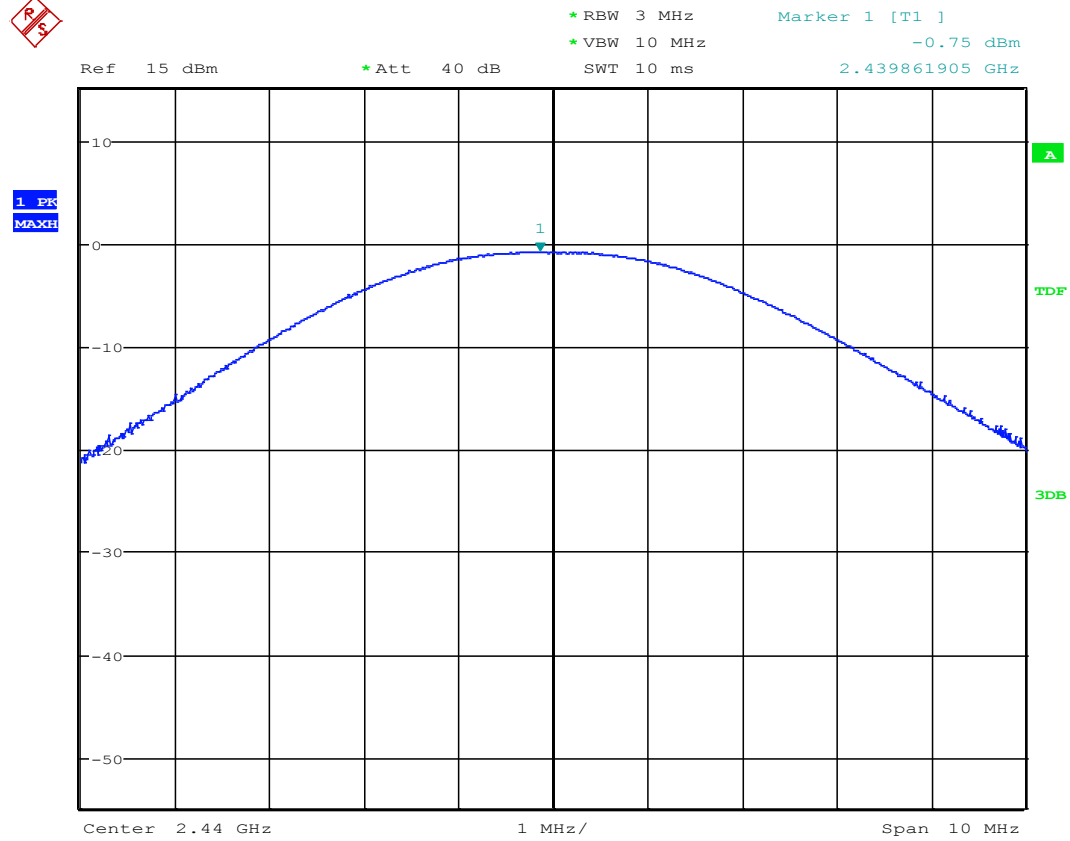
3.1. Conducted RF-power

3.1.1. Channel 37



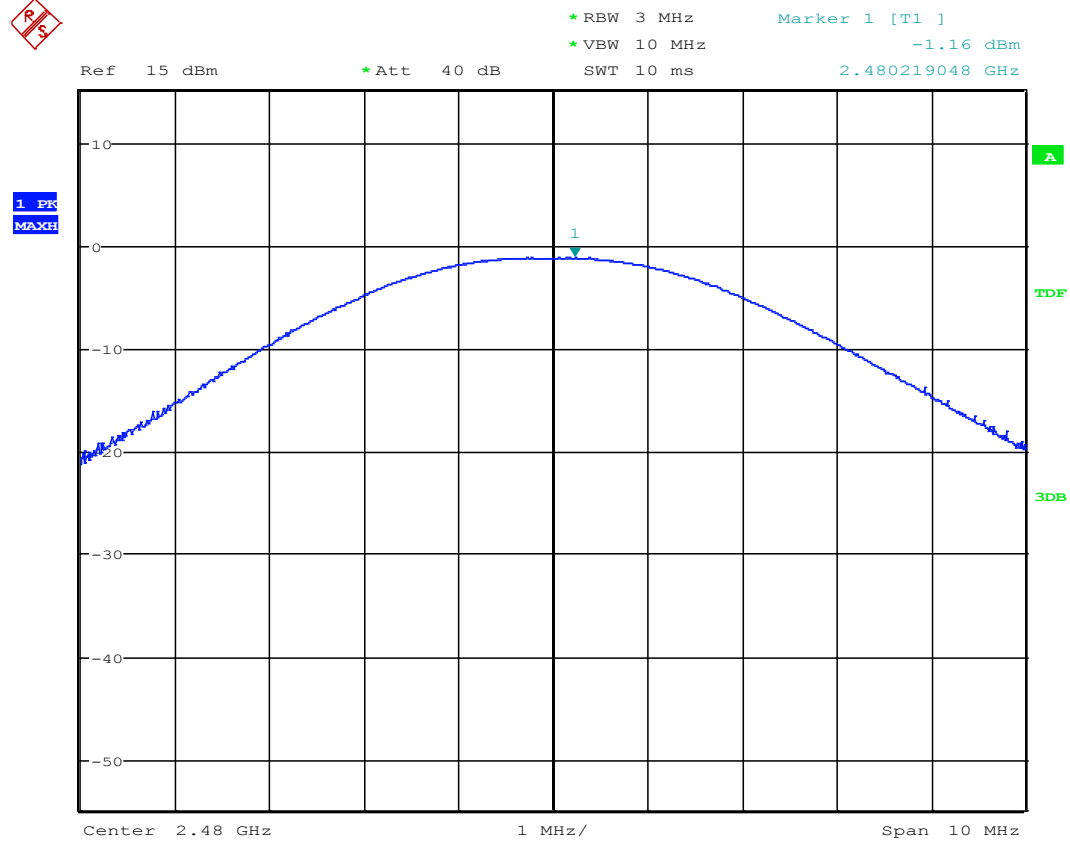
Date: 10.AUG.2017 16:11:28

3.1.2. Channel 17



Date: 10.AUG.2017 16:28:47

3.1.3. Channel 39



Date: 10.AUG.2017 16:31:54

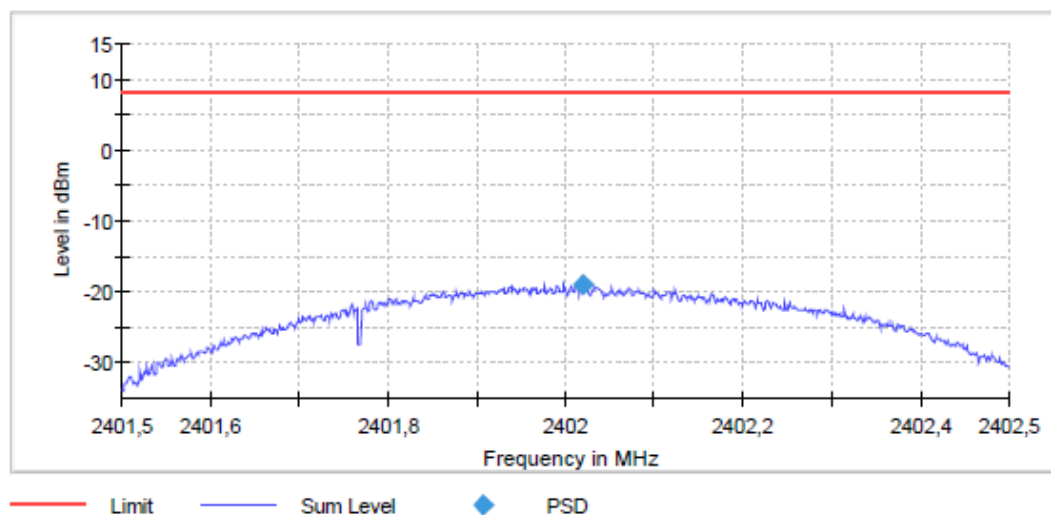
3.2. Power Spectral Density

Method §10.2

3.2.1. Channel 37

Result

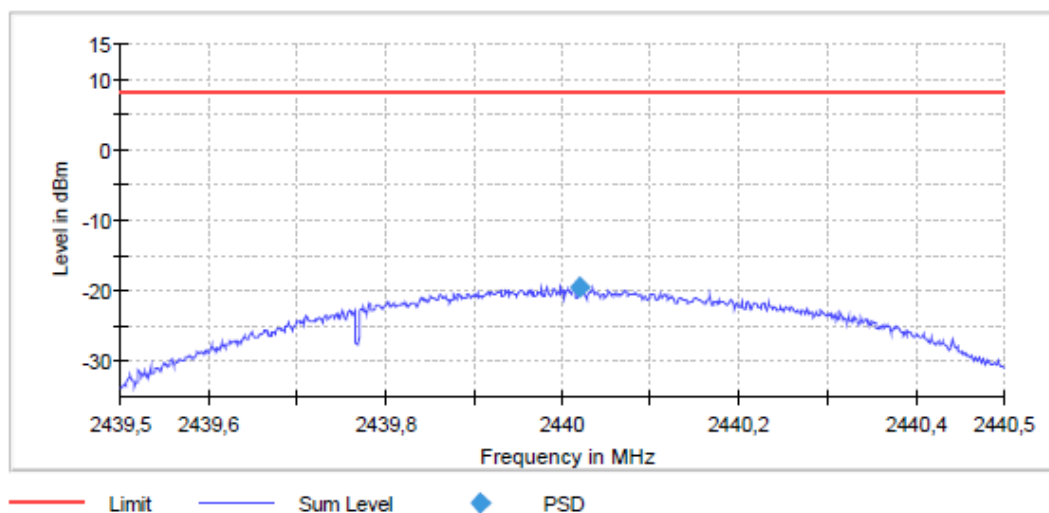
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2402.000000	2402.020000	-18.924	8.0	PASS



3.2.2. Channel 17

Result

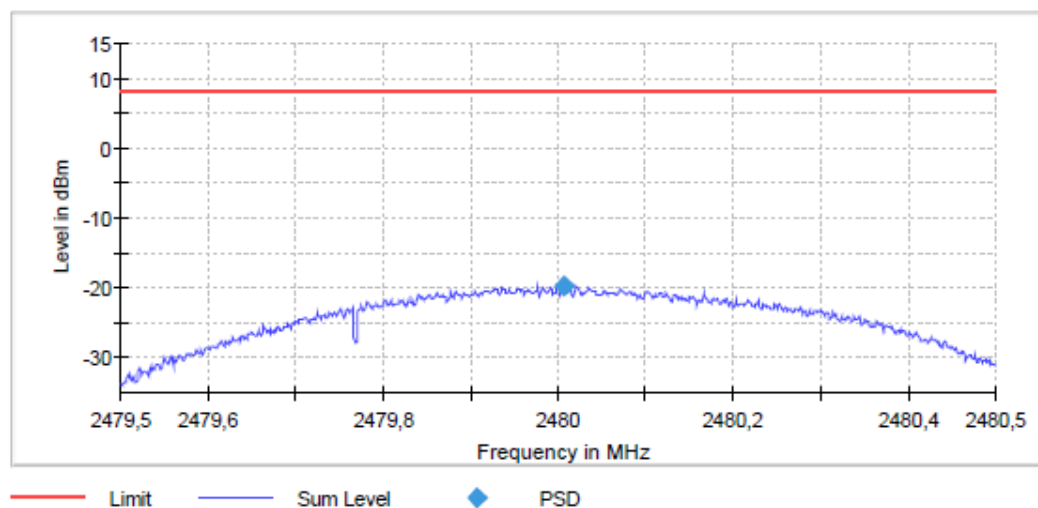
DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2440.000000	2440.020000	-19.441	8.0	PASS



3.2.3. Channel 39

Result

DUT Frequency (MHz)	Frequency (MHz)	PSD (dBm)	Limit Max (dBm)	Result
2480.000000	2480.007143	-19.685	8.0	PASS



3.3. 6-dB Bandwidth

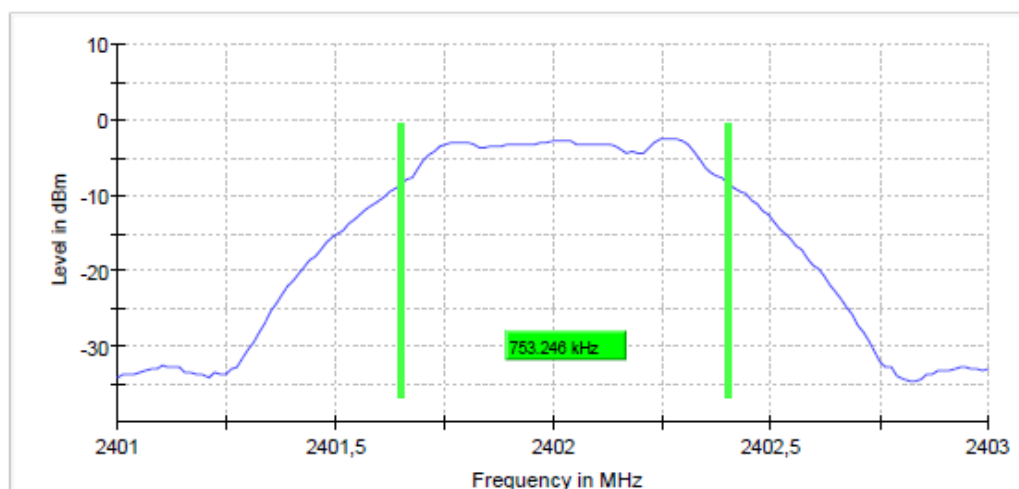
3.3.1. Channel 37

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)
2402.000000	0.753246	0.500000	---	2401.649351	2402.402597	-2.5

(continuation of the "6 dB Bandwidth" table from column 7 ...)

DUT Frequency (MHz)	Result
2402.000000	PASS



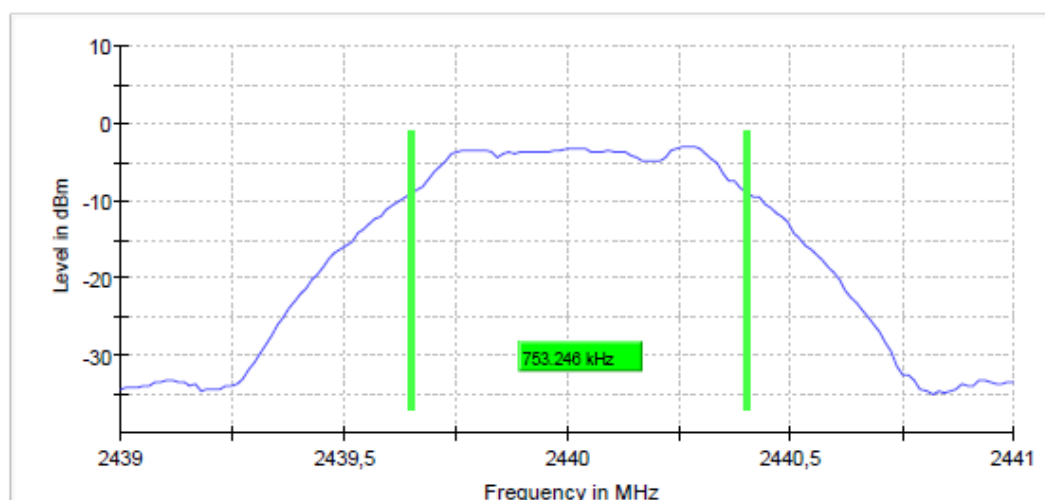
3.3.2. Channel 17

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)
2440.000000	0.753246	0.500000	---	2439.649351	2440.402597	-2.9

(continuation of the "6 dB Bandwidth" table from column 7 ...)

DUT Frequency (MHz)	Result
2440.000000	PASS



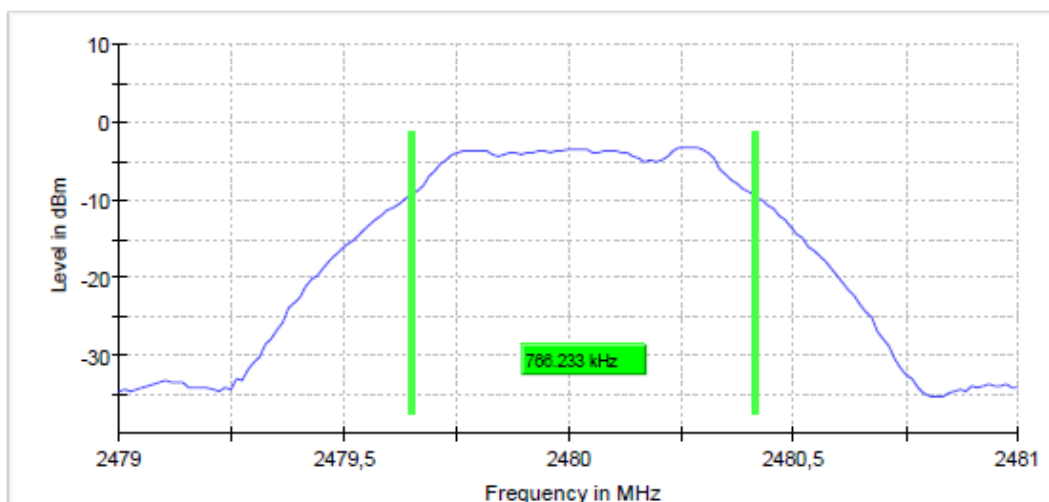
3.3.3. Channel 39

6 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)	Max Level (dBm)
2480.000000	0.766233	0.500000	---	2479.649351	2480.415584	-3.2

(continuation of the "6 dB Bandwidth" table from column 7 ...)

DUT Frequency (MHz)	Result
2480.000000	PASS



3.4. 99% Occupied Bandwidth

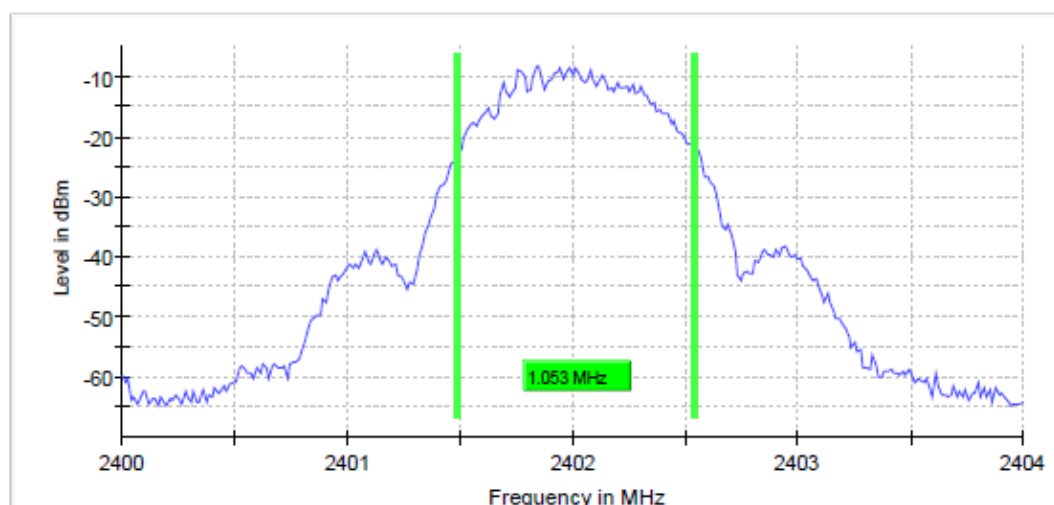
3.4.1. Channel 37

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2402.000000	1.053334	---	---	2401.493333	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2402.000000	2402.546667	2483.500000	PASS



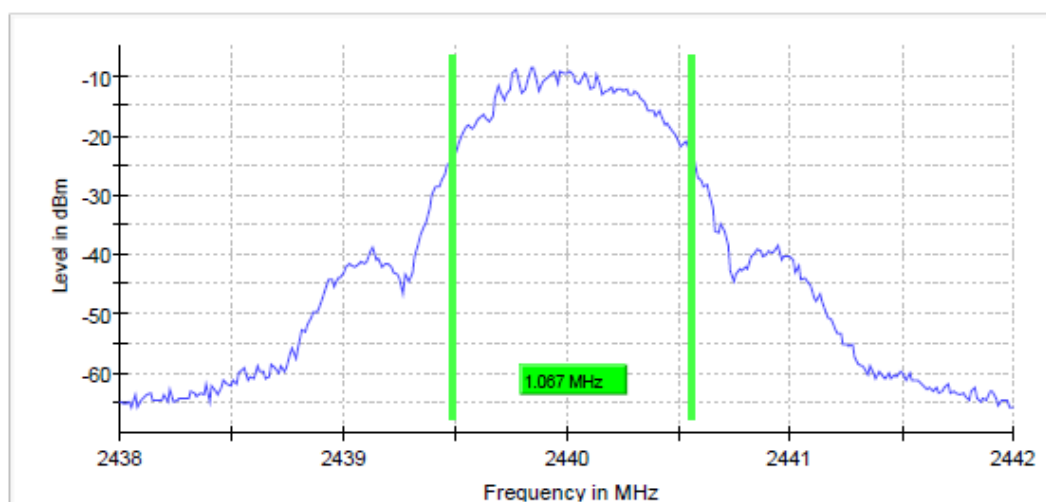
3.4.2. Channel 17

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2440.000000	1.066667	---	---	2439.493333	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2440.000000	2440.560000	2483.500000	PASS



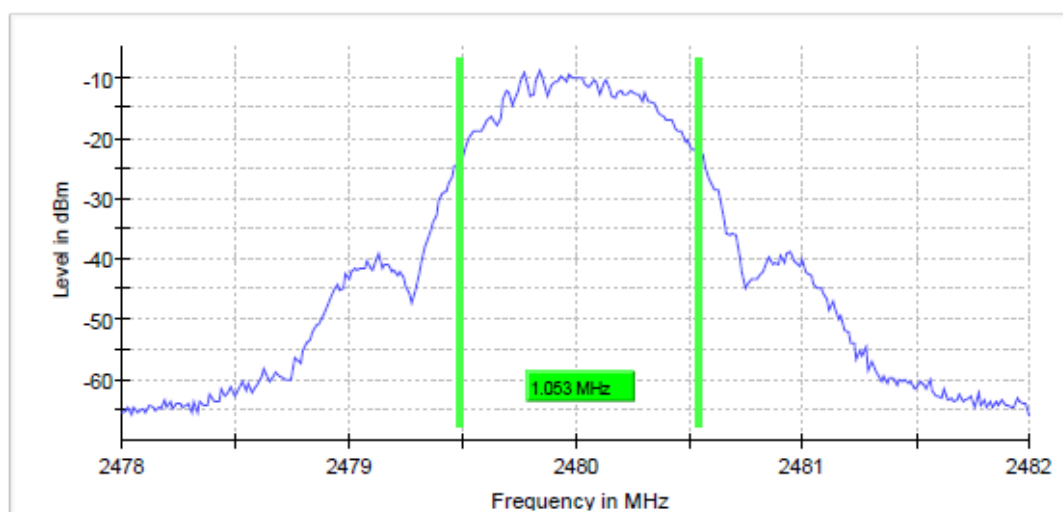
3.4.3. Channel 39

99 % Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Limit Min BE L (MHz)
2480.000000	1.053334	---	---	2479.493333	2400.000000

(continuation of the "99 % Bandwidth" table from column 6 ...)

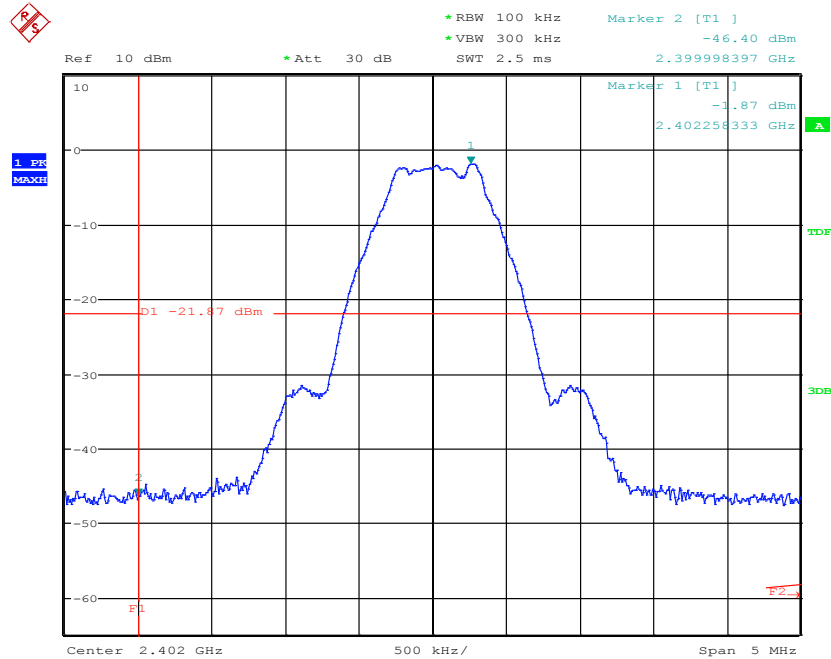
DUT Frequency (MHz)	Band Edge Right (MHz)	Limit Max BE R (MHz)	Result
2480.000000	2480.546667	2483.500000	PASS



3.5. 20dBc Emissions

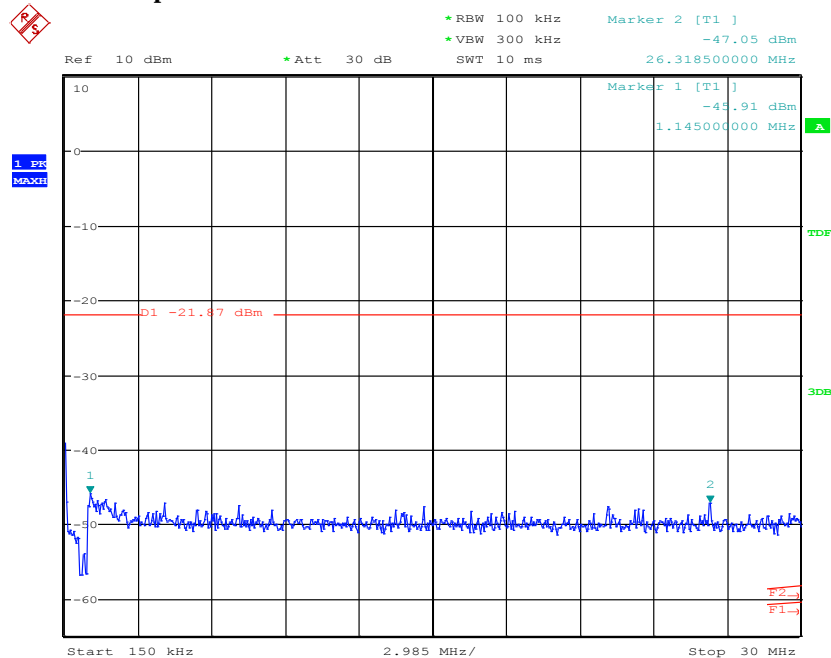
3.5.1. Channel 38

3.5.1.1. Channel 38 Reference



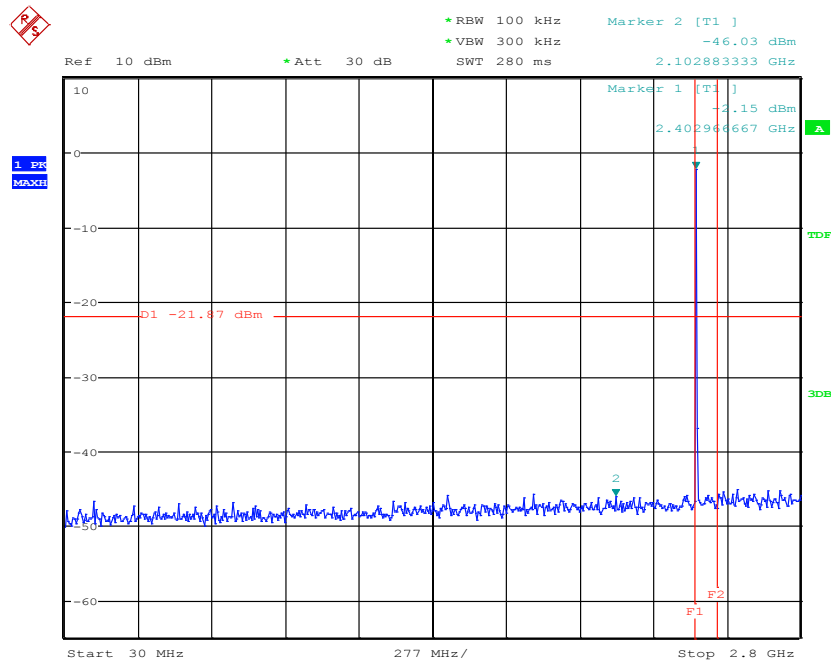
Date: 10.AUG.2017 16:15:21

3.5.1.2. Sweep 1: 150kHz to 30MHz



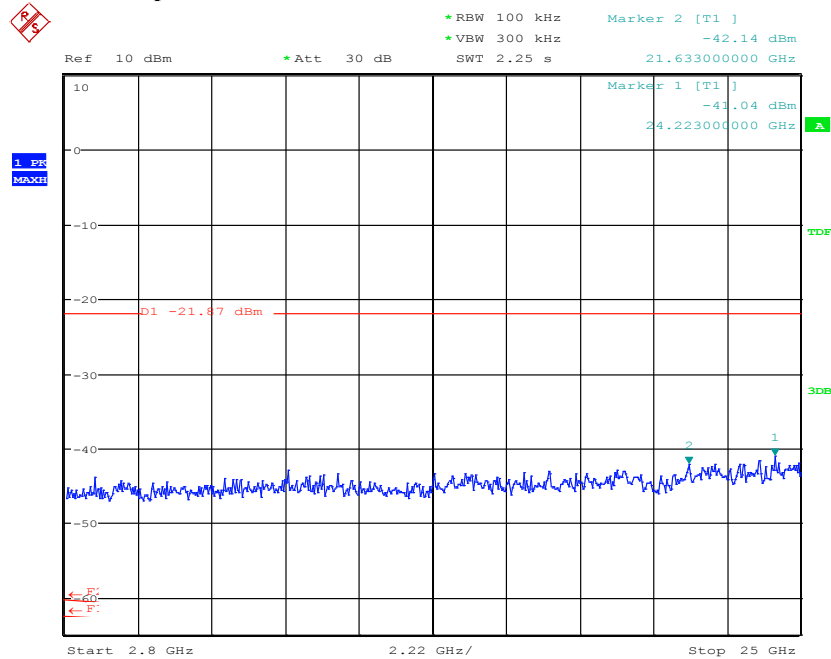
Date: 10.AUG.2017 16:17:12

3.5.1.3. Sweep 2: 30MHz to 2.8GHz



Date: 10.AUG.2017 16:18:46

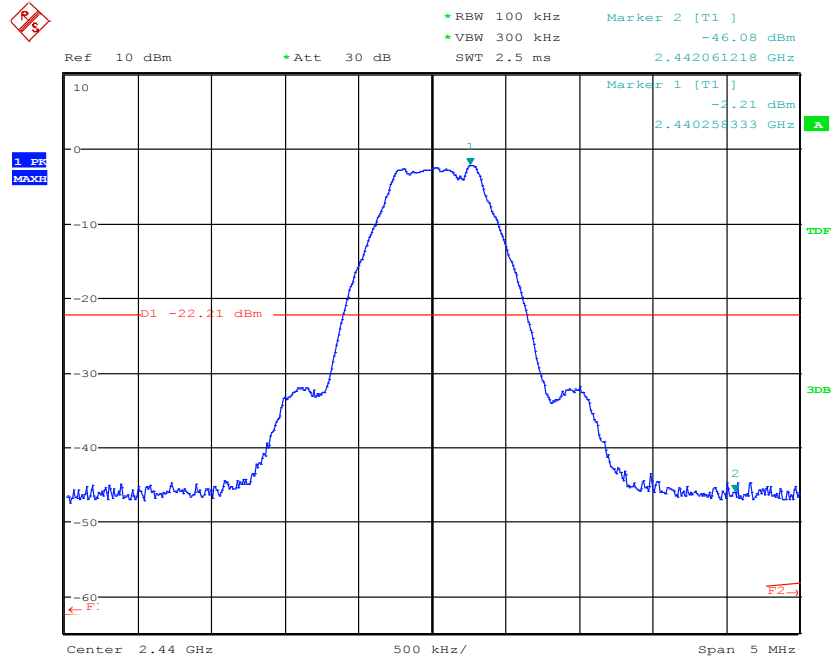
3.5.1.4. Sweep 2: 2.8GHz to 25GHz



Date: 10.AUG.2017 16:19:50

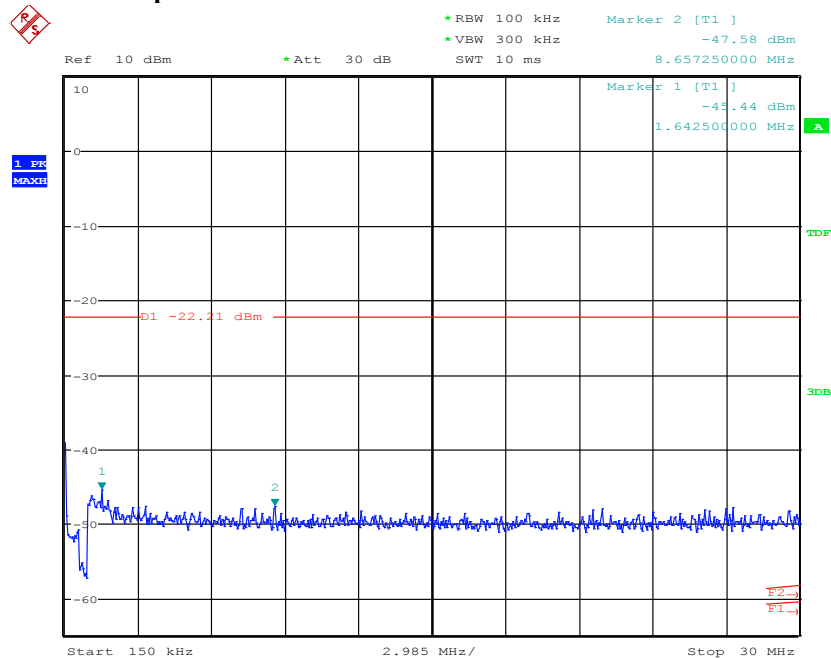
3.5.2. Channel 17

3.5.2.1. Channel 17 Reference



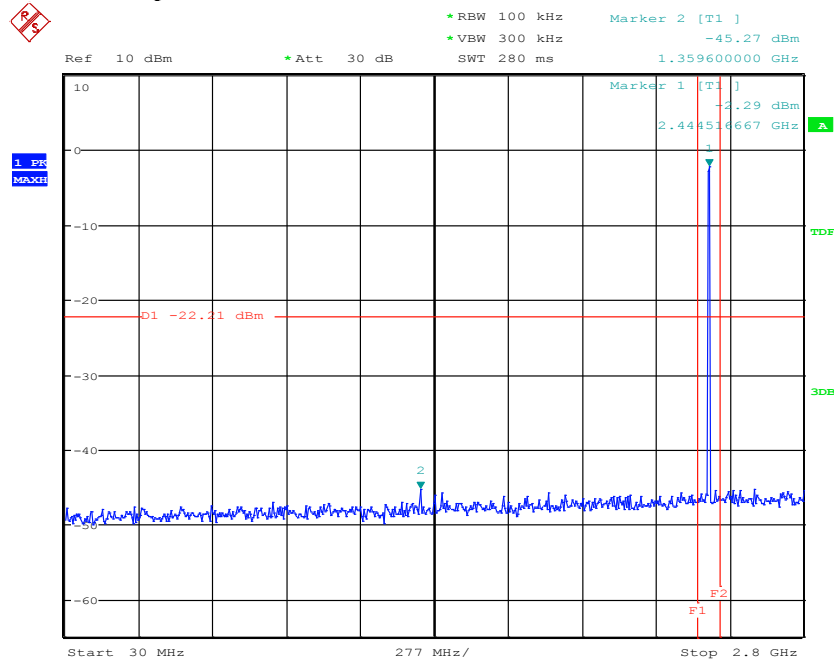
Date: 10.AUG.2017 16:23:16

3.5.2.2. Sweep 1: 150kHz to 30MHz



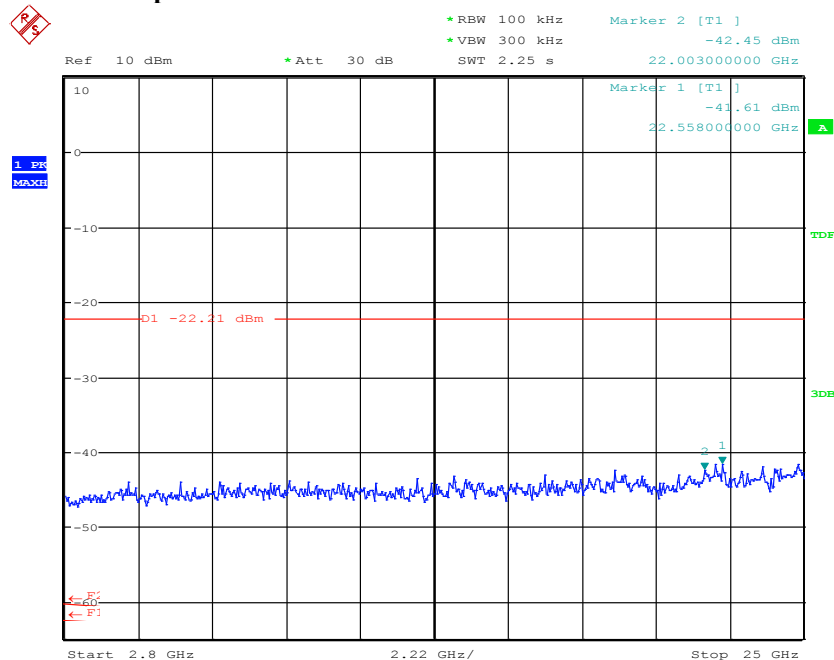
Date: 10.AUG.2017 16:25:10

3.5.2.3. Sweep 2: 30MHz to 2.8GHz



Date: 10.AUG.2017 16:26:40

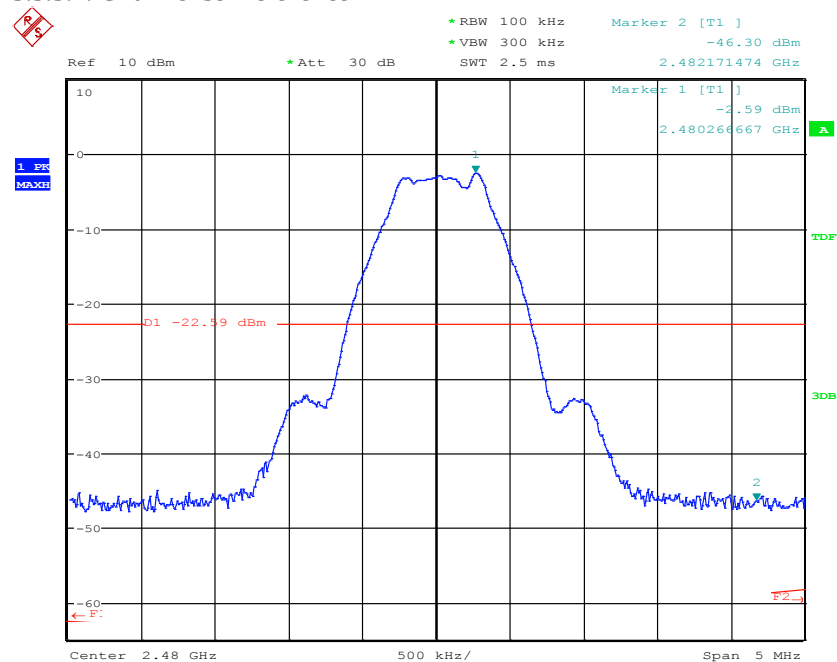
3.5.2.4. Sweep 3: 2.8GHz to 25GHz



Date: 10.AUG.2017 16:27:39

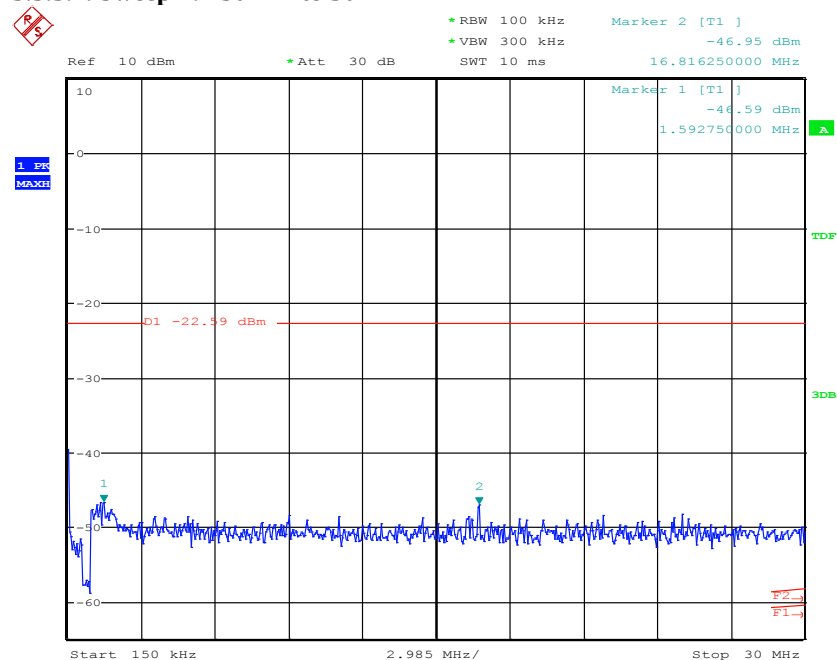
3.5.3. Channel 39

3.5.3.1. Channel 39 Reference



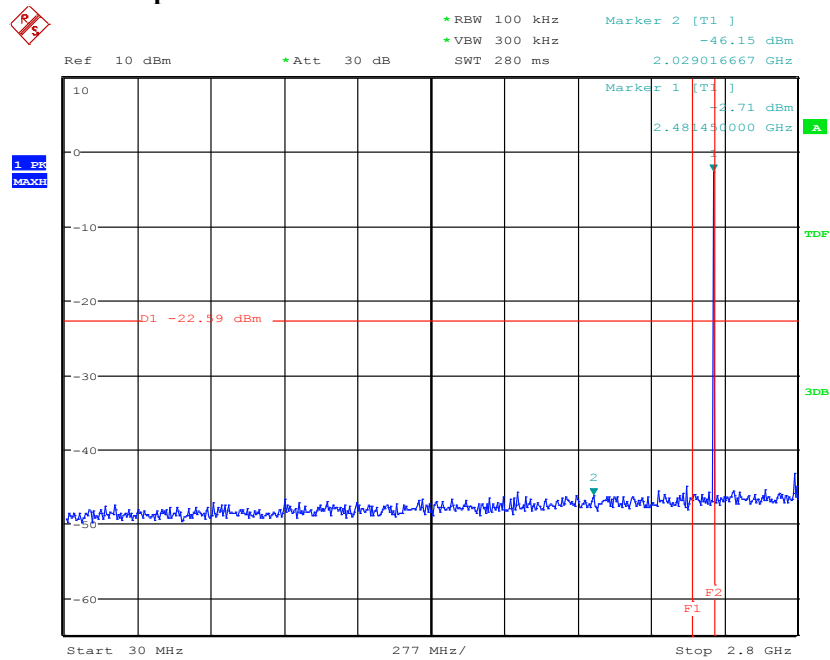
Date: 10.AUG.2017 16:34:50

3.5.3.2. Sweep 1: 150kHz to 30MHz



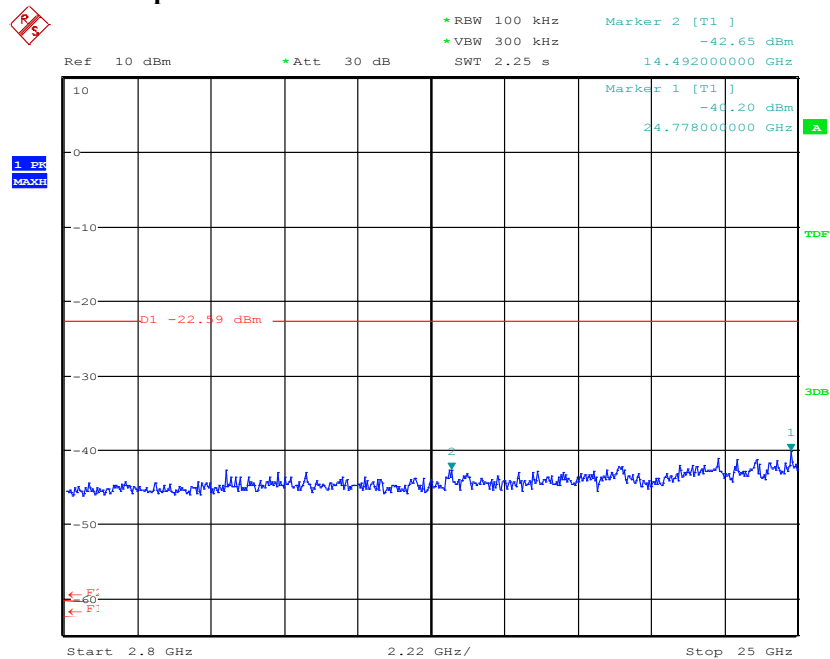
Date: 10.AUG.2017 16:35:37

3.5.3.3. Sweep 2: 30MHz to 2.8GHz



Date: 10.AUG.2017 16:36:49

3.5.3.4. Sweep 3: 2.8GHz to 25GHz



Date: 10.AUG.2017 16:39:34