Annex1: Measurement diagrams to
T E S T R E P O R T
No.: TR6-0754-15-1-3e

According to:
FCC Regulations
Part 15.109
Part 15.209
Part 15.247

IC-Regulations
RSS-Gen, Issue 4
RSS-247, Issue 1

for

peiker acustic GmbH & Co. KG

Advanced Telecommunication Module
ATM-01 T1-US-4GW

FCC-ID: QWY-ATM-T-522
IC ID: 6588A-ATMT522
PMN: ATM trunk version
HVIN: ATM-01 T1-US-4GW

Laboratory Accreditation and Listings			
DAkkS Deutsche Akkreditierungsstelle D-PL-12047-01-01	MRA US-EU 0003	Industry Canada Reg. No.: 3462D-1 Reg. No.: 3462D-2 Reg. No.: 3462D-3	Voluntary Controls for Electromagnetic Emissions Reg. No.: R-2666 C-2914, T-1967, G-301
Wi Fi ALLIANCE AUTHORIZED RF LABORATORY	CTIA Authorized Test Lab LAB CODE 20011130-00		
accredited according to DIN EN ISO/IEC 17025			

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

1.1. Magnetic field measurements f<30MHz

1.1.1. b-Mode Modulation, Channel 1, 11MBit-data rate

Diagram No. 2.01_Channel-1_b-Mode-11Mbit

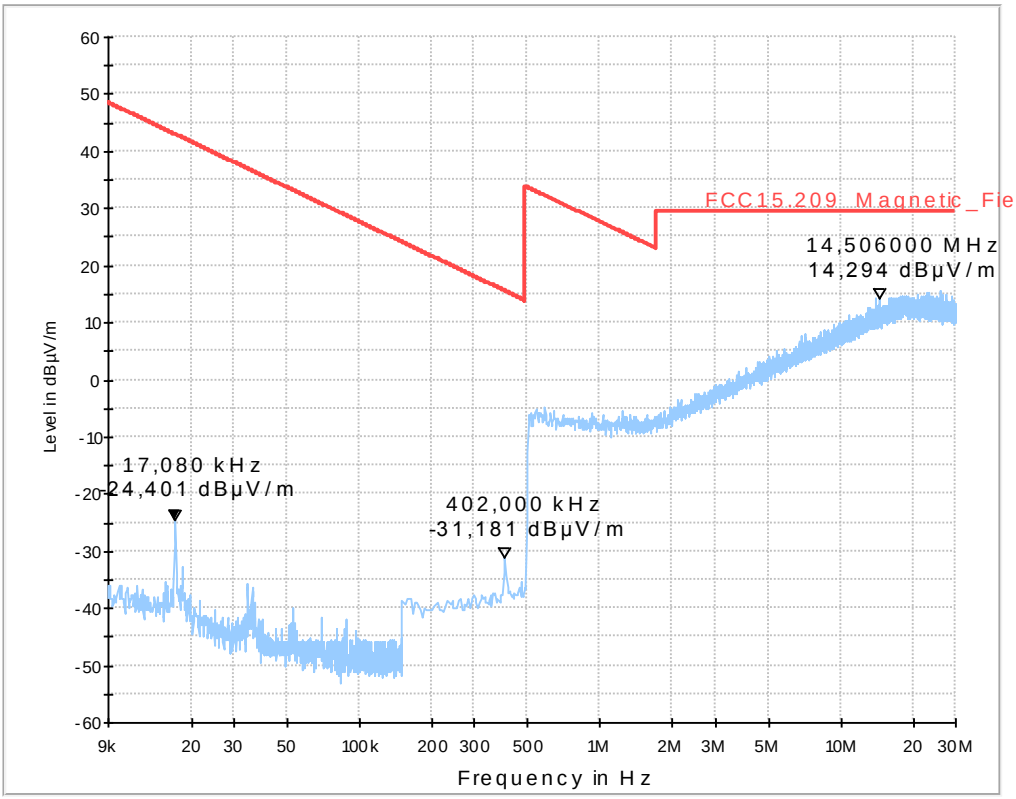
Date: 26.08.2015 Page 1 of 1

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 V8.51.0
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:	Aho/MRa
Operating conditions:	TX-on continuous
Power during tests:	14V DC
Comment 1:	Channel low=1, b-Mode, 11MBit
Comment 2:	EUT laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000586177
Connected Interfaces:	
Power Supply:	14 VDC

FCC15.209_ANSI63_10_2013



1.1.2. g-Mode Modulation, 36MBit

Diagram No. 2.02_Channel-6_g-Mode,36Mbit_EUT Laying

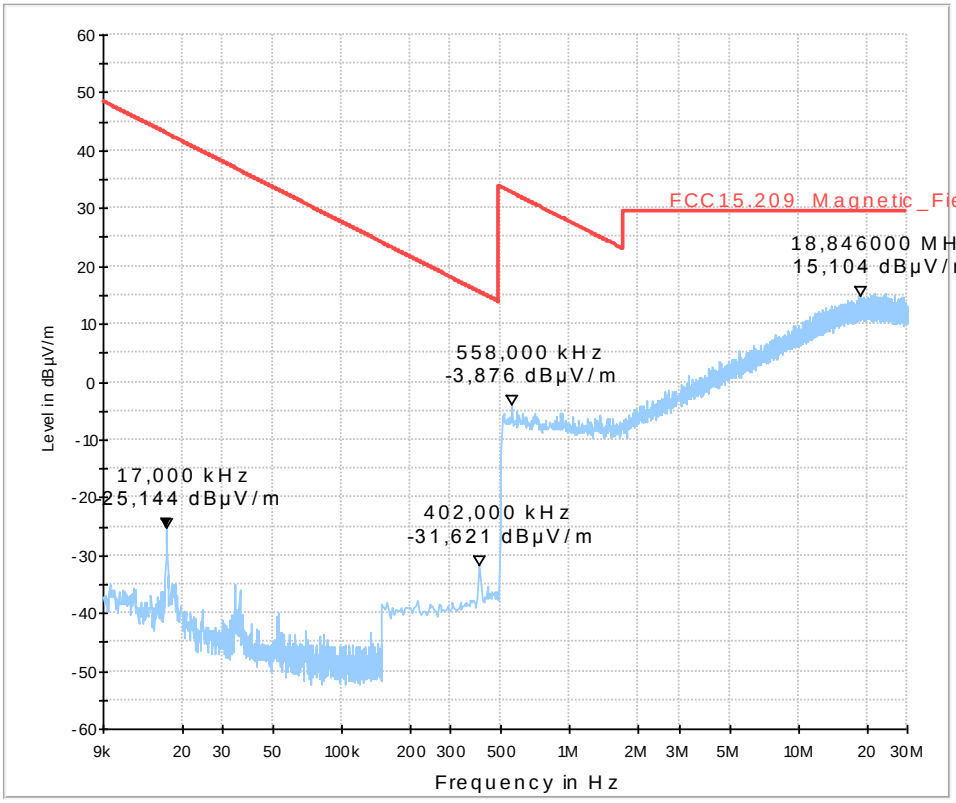
26.08.2015 Page 1 of 1

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 V8.51.0
Distance correction:	3 m
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:	AHo/MRa
Operating conditions:	continuous TX
Power during tests:	14 V DC
Comment 1	Channel Middle =6,g-mode/36 Mbit
Comment 2	EUT Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000586177
Connected Interfaces:	
Power Supply:	14 VDC

FCC15.209_ANSI63_10_2013



1.1.3. n-Mode Modulation

Diagram No. 2.03_MCS0_n-Mode_EUT Standing

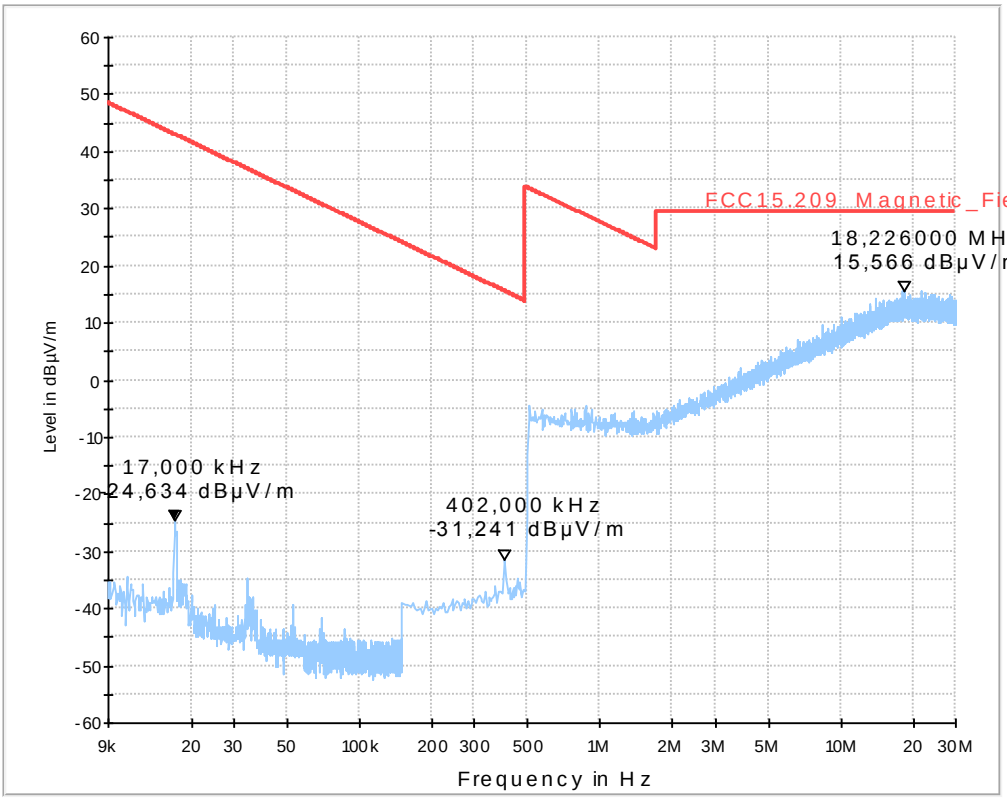
26.08.2015 Page 1 of 1

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 V8.51.0
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 15.209/15.205; RSS-Gen., Issue 4
Operator:	MRa/AHo
Operating conditions:	TX-on continous
Power during tests:	14 V DC
Comment 1:	Channel high=13, n-mode, MCS0
Comment 2:	EUT Standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000586177
Connected Interfaces:	
Power Supply:	14 VDC

FCC15.209_ANSI63_10_2013



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

1.2.1. b-Mode Modulation

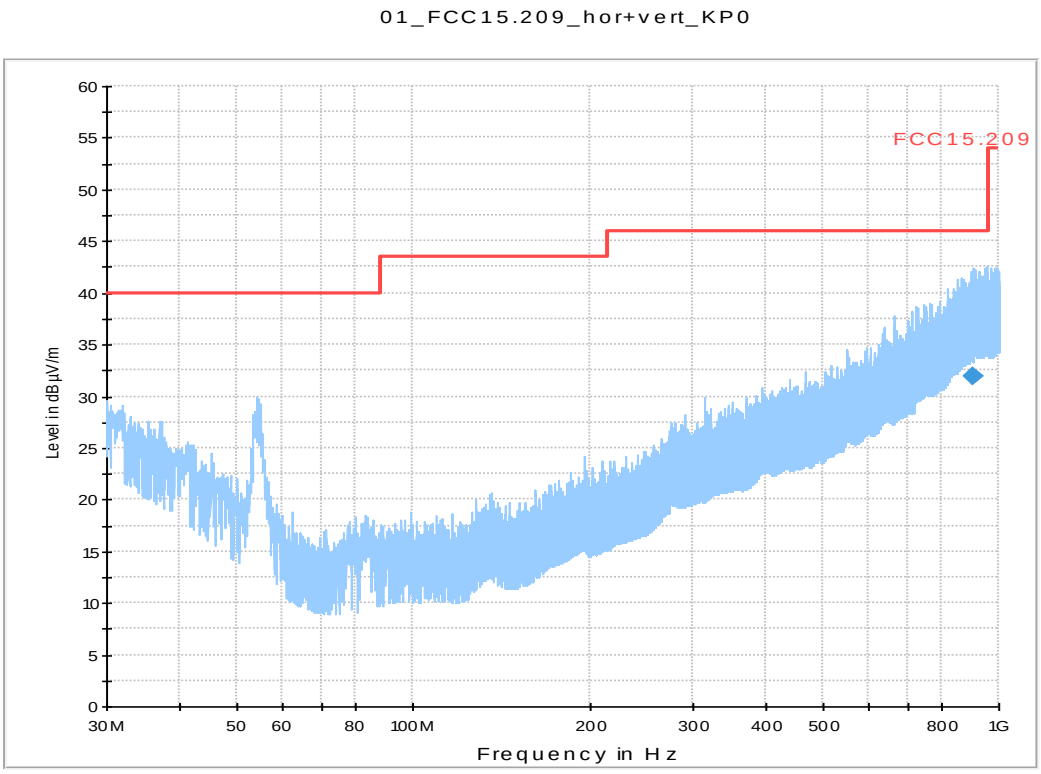
Diagram No. 3.01_Channel-1_b-Mode,11 Mbit_EUT Laying

26.08.2015 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 V8.51.0
Distance correction:	10.54 dB
Used filter:	TP NLP-1200
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen., Issue 4
Operator:	AHo
Operating conditions:	WLAN,Channel=1,b-mode,11 Mbit
Power during tests:	14 V DC
Comment 1:	Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000586177
Connected Interfaces:	
Power Supply:	14 VDC



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
902.090000	31.9	1000.0	120.000	282.0	H	150.0	27.0	14.10	46.00

1.2.2. g-Mode Modulation

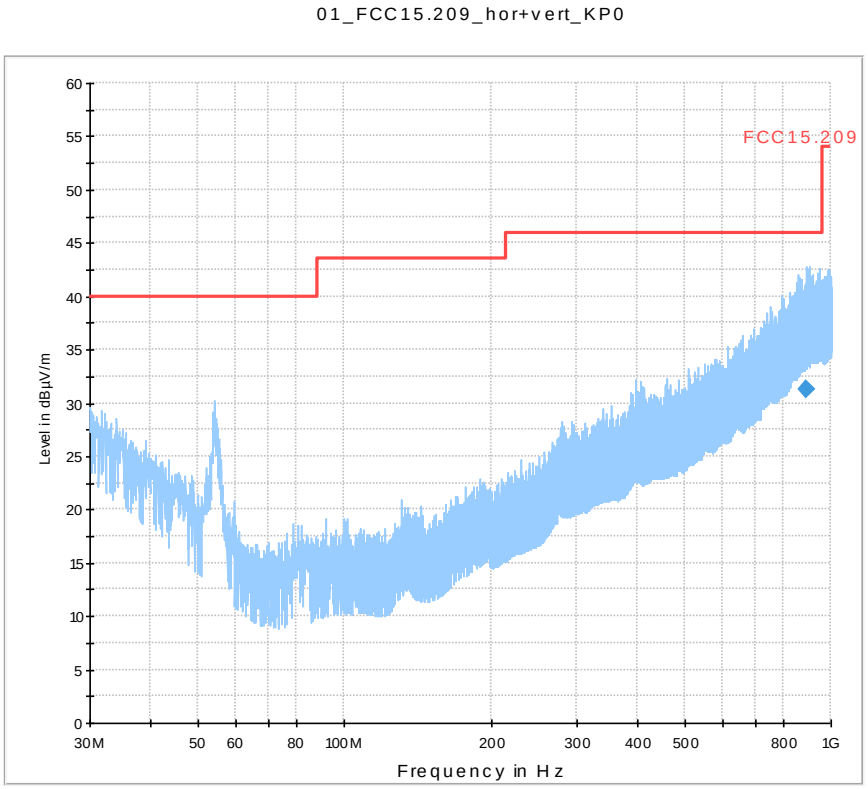
Diagram No. 3.02_Channel-6_g-Mode,36 Mbit_EUT Laying

26.08.2015 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 V8.51.0
Distance correction:	10.54 dB
Used filter:	TP NLP-1200
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	AHo
Operating conditions:	WLAN,Channel=6,g-mode,36 Mbit
Power during tests:	14 V DC
Comment 1:	Laying

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000586177
Connected Interfaces:	
Power Supply:	14 VDC



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
890.600000	31.3	1000.0	120.000	105.0	H	86.0	26.7	14.70	46.00

1.2.3. n-Mode Modulation

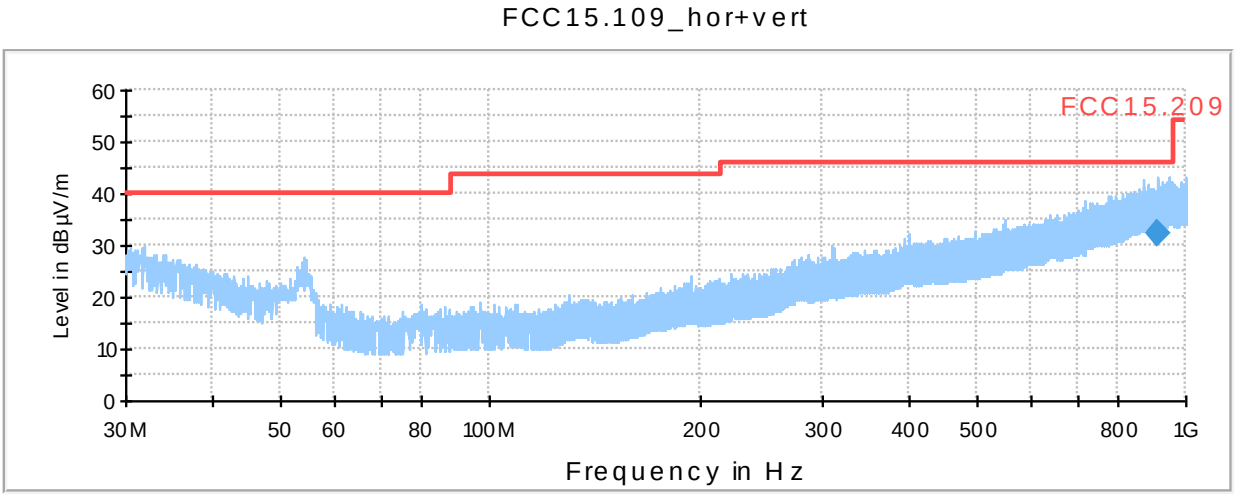
Diagram No. 3.03_Channel-13_MCS0_n-Mode_EUT Standing

26.08.2015 Page 1 of 1

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 V8.51.0
Distance correction:	10.54 dB
Used filter:	not used
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	AHo
Operating conditions:	WLAN,Channel=13,MCS0,n-mode
Power during tests:	14 V DC
Comment 1:	Standing

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000586177
Connected Interfaces:	
Power Supply:	14 VDC



Final Result 1

Frequency (MHz)	QuasiPeak (dBµV/m)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Polarization	Azimuth (deg)	Corr. (dB)	Margin (dB)	Limit (dBµV/m)
914.420000	32.2	1000.0	120.000	264.0	H	223.0	27.3	13.8	46.0

1.3. Field strength measurements f < 18GHz

1.3.1. b-Mode Modulation

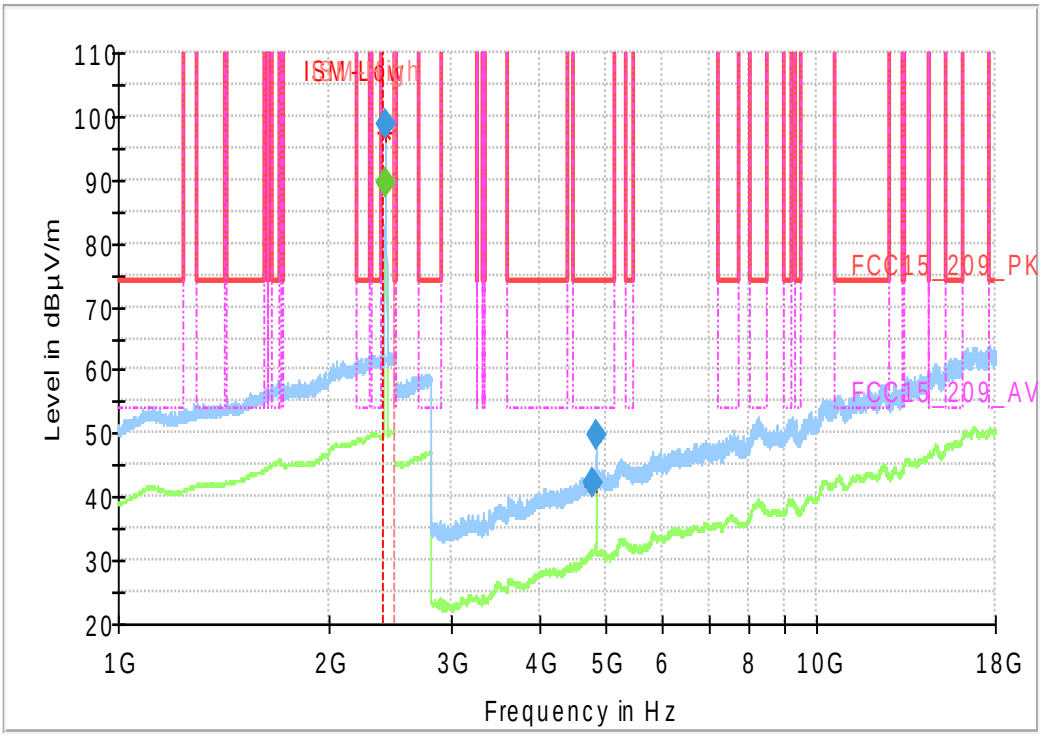
Diagram No.: 4.01_TX_CH1_b-Mode_11Mbit

Common Information

Test Description:	Radiated Field strength emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator / RSS-247: Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Kmo
Comment:	Channel no. low=1, b-Mode, 11MBit, 0dBm

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
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)
2412.640000	---	89.66	150.00	60.34	100.0	1000.000	155.0	H	25.0	90.0
2413.800000	98.84	---	150.00	51.16	100.0	1000.000	155.0	V	8.0	90.0
4769.200000	42.33	---	74.00	31.67	100.0	1000.000	155.0	H	168.0	90.0
4824.160000	49.67	---	74.00	24.33	100.0	1000.000	155.0	V	35.0	90.0

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

Frequency (MHz)	Corr. (dB)
2412.640000	35.4
2413.800000	35.4
4769.200000	4.8
4824.160000	4.8

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)
2412.640000	---	89.66	150.00	60.34	100.0	1000.000	155.0	H	25.0	90.0
2413.800000	98.84	---	150.00	51.16	100.0	1000.000	155.0	V	8.0	90.0
4769.200000	42.33	---	74.00	31.67	100.0	1000.000	155.0	H	168.0	90.0
4824.160000	49.67	---	74.00	24.33	100.0	1000.000	155.0	V	35.0	90.0

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

Frequency (MHz)	Corr. (dB)
2412.640000	35.4
2413.800000	35.4
4769.200000	4.8
4824.160000	4.8

Diagram No.: 4.04_TX_CH6_b-Mode_11MBit

Common Information

Test Description:	Radiated Field strength emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator / RSS-247: Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. middle=6, 11MBit, 0dBm setting

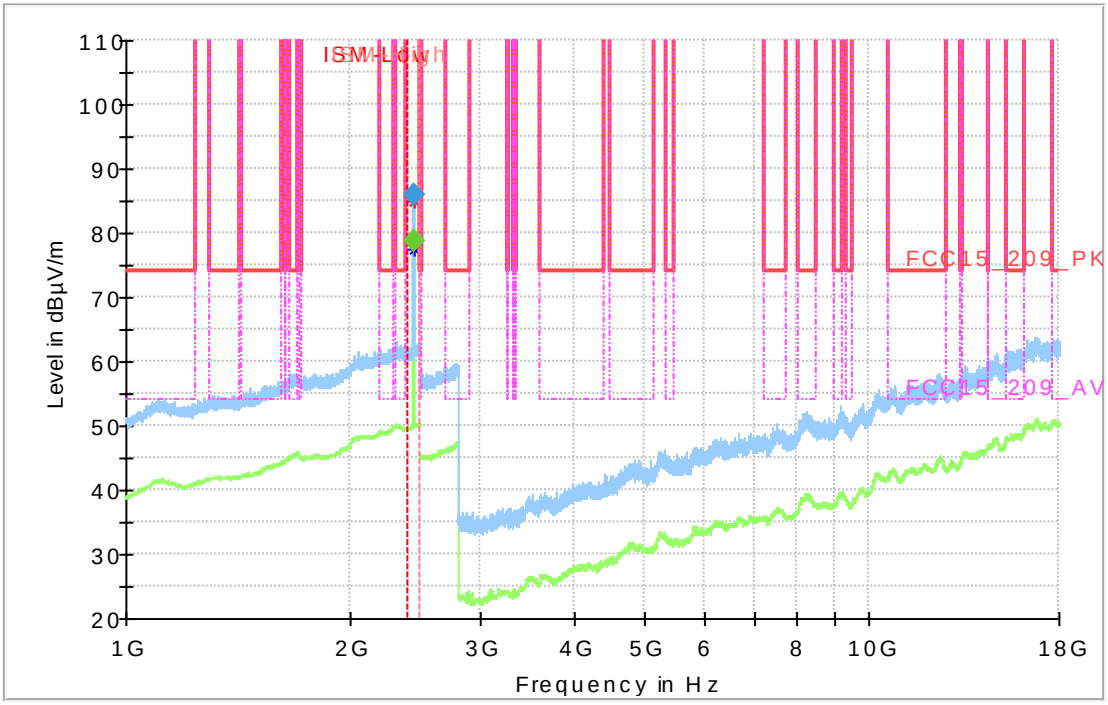
EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	

Common Information

Test Description:	Radiated Field strength emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator / RSS-247: Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. middle=6, 11MBit, 0dBm setting

Full Spectrum



Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
2435.440000	86.09	---	150.00	63.9	100.0	1000.000	155.0	V	9.0	90.0
2435.880000	---	78.68	150.00	71.3	100.0	1000.000	155.0	V	9.0	90.0

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

Frequency (MHz)	Corr. (dB)
2435.440000	35.5
2435.880000	35.5

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)
2435.440000	86.09	---	150.00	63.91	100.0	1000.000	155.0	V	9.0	90.0
2435.880000	---	78.68	150.00	71.32	100.0	1000.000	155.0	V	9.0	90.0

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

Frequency (MHz)	Corr. (dB)
2435.440000	35.5
2435.880000	35.5

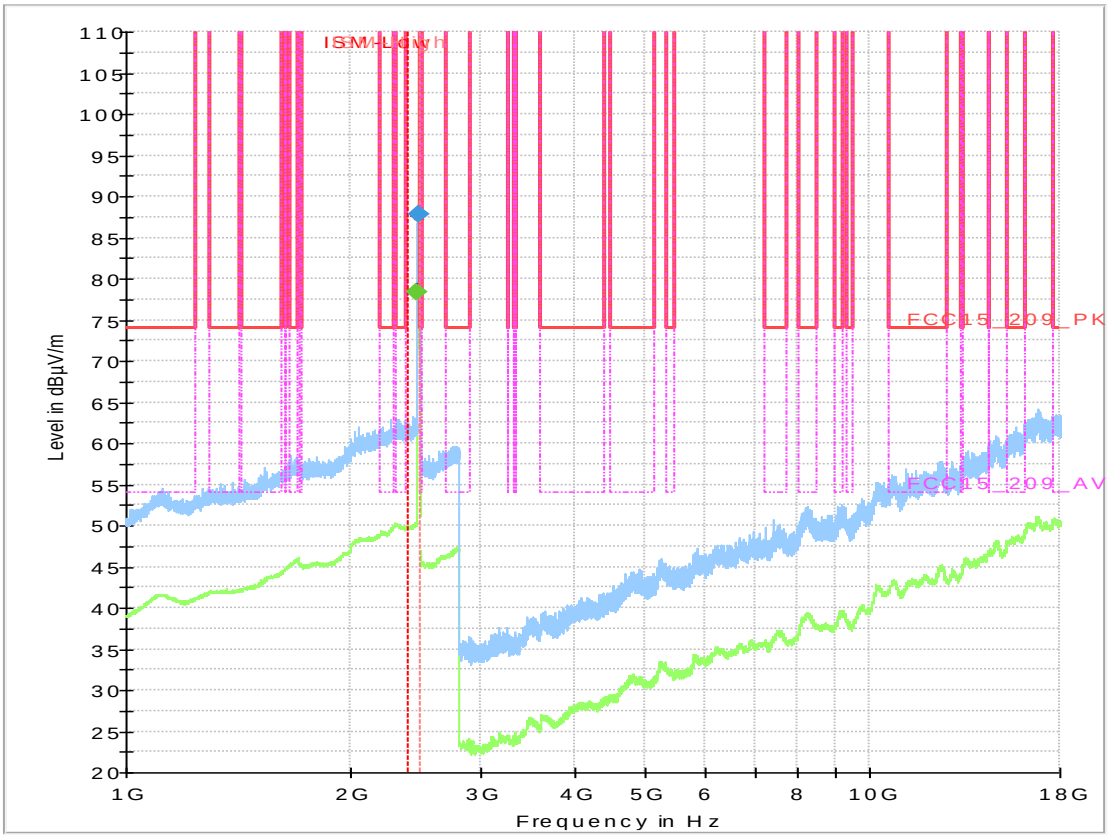
Diagram No.: 4.06_TX_CH13_b-Mode_11MBit

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator / RSS-247, Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. High=13

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
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)
2465.520000	---	78.39	150.00	71.61	100.0	1000.000	155.0	V	33.0	90.0
2465.840000	87.76	---	150.00	62.24	100.0	1000.000	155.0	V	32.0	90.0

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

Frequency (MHz)	Corr. (dB)
2465.520000	35.6
2465.840000	35.6

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)
2465.520000	---	78.39	150.00	71.61	100.0	1000.000	155.0	V	33.0	90.0
2465.840000	87.76	---	150.00	62.24	100.0	1000.000	155.0	V	32.0	90.0

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

Frequency (MHz)	Corr. (dB)
2465.520000	35.6
2465.840000	35.6

1.3.2. g-Mode Modulation

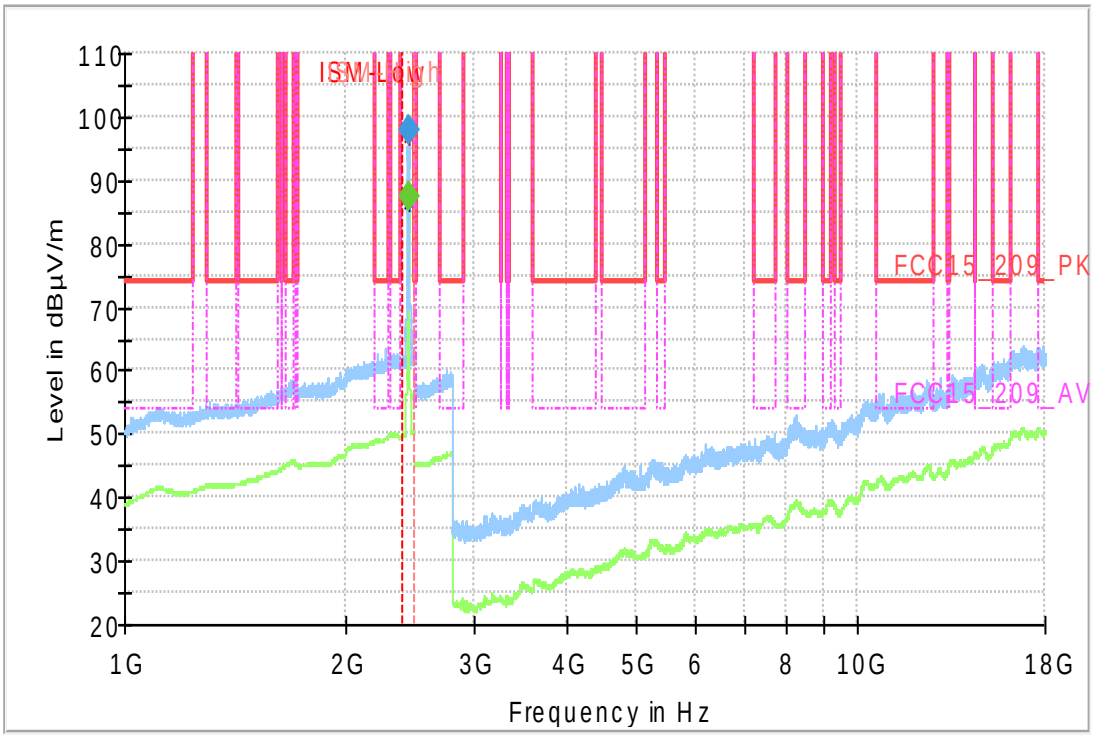
Diagram No.: 4.02_TX_CH6_g-Mode_36Mbit

Common Information

Test Description:	Radiated Field-strength emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator / RSS-247: Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Kmo
Comment:	Channel no. middle=6, g-Mode, 36MBit, 0dBm

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
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)
2443.640000	---	87.34	150.00	62.66	100.0	1000.000	155.0	V	13.0	90.0
2444.560000	97.88	---	150.00	52.12	100.0	1000.000	155.0	V	10.0	90.0

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

Frequency (MHz)	Corr. (dB)
2443.640000	35.6
2444.560000	35.6

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)
2443.640000	---	87.34	150.00	62.66	100.0	1000.000	155.0	V	13.0	90.0
2444.560000	97.88	---	150.00	52.12	100.0	1000.000	155.0	V	10.0	90.0

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

Frequency (MHz)	Corr. (dB)
2443.640000	35.6
2444.560000	35.6

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

2.1. Channel 1 (left band edge)

Diagram No.: 9.04_BAND_EDGE LOW_TX_CH1_b-Mode_11Mbit

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator / RSS-247: Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Kmo
Comment:	Channel no. low=1, b-Mode, 11MBit, 0dBm

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	

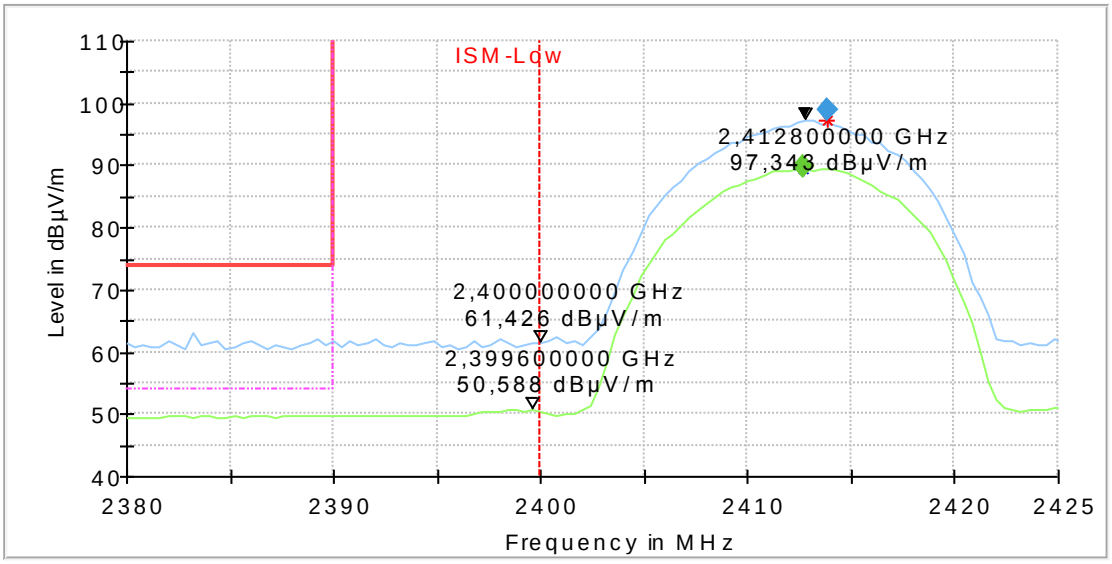


Diagram No.: 9.05_BE_CH1_gMode_36MBit

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209&15.247 Intentional Radiator / RSS-247, Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. low=1, g-Mode, 36MBit

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	

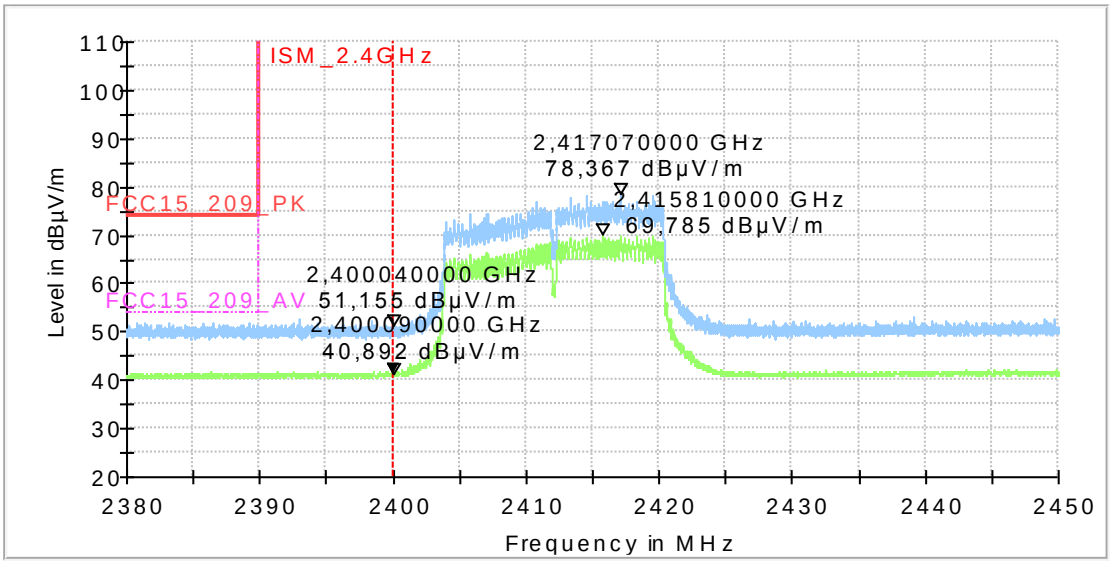


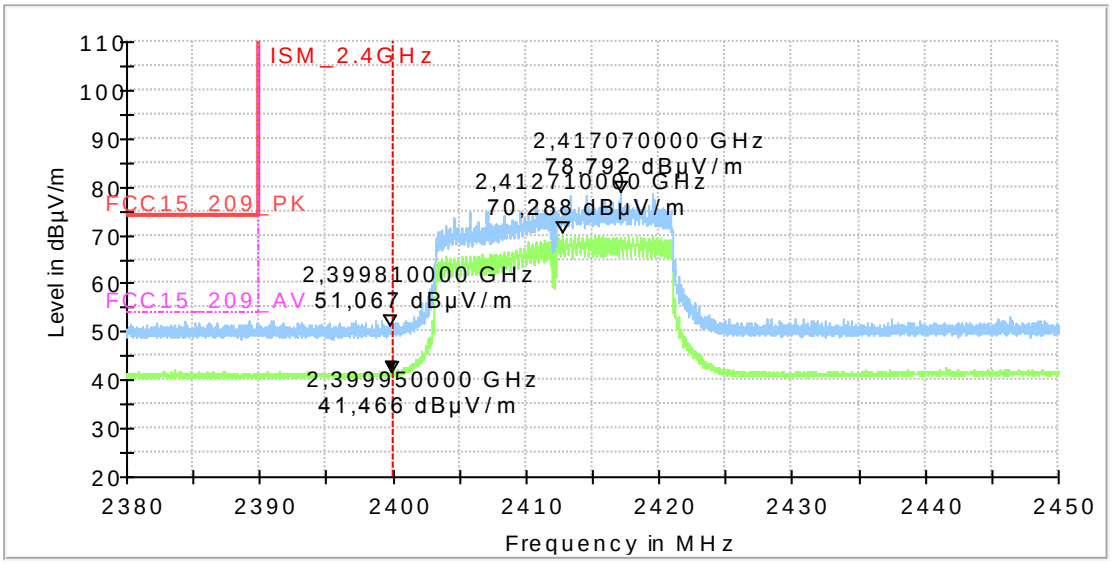
Diagram No.: 9.06_BE_CH1_nMode_MCS0

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209&15.247 Intentional Radiator / RSS-247, Issue 1
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	Lor
Comment:	Channel no. low=1, n-Mode, MCS0

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	



2.2. Channel 13 (right band edge)

Diagram No.: 9.01_BE_CH13_b-mode_11Mbit

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	HLa
Comment:	Channel no. High=13, b-Mode, 11MBit, 0dBm setting

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	

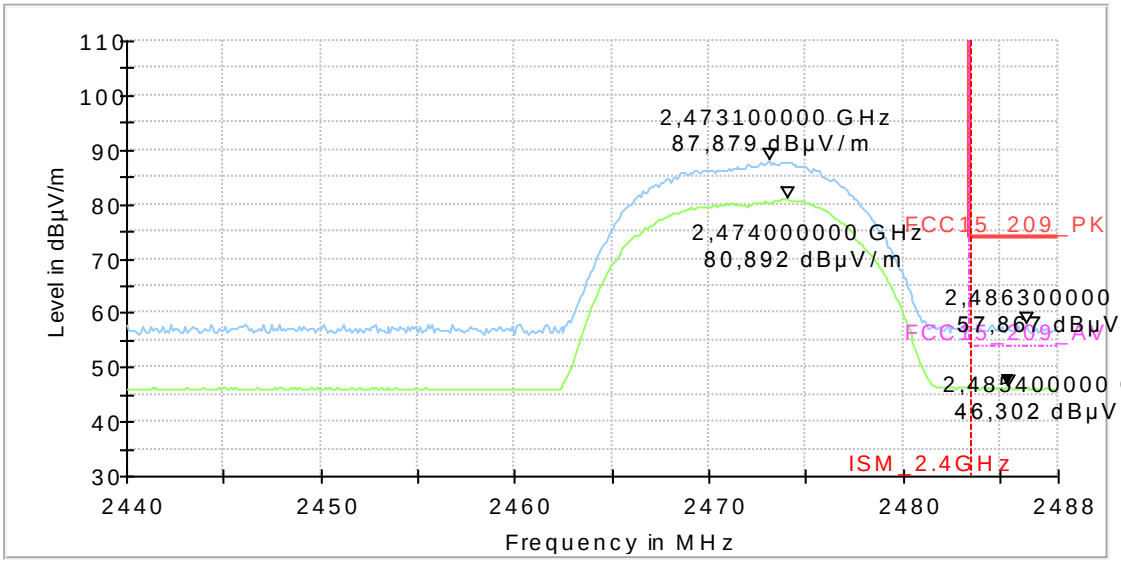


Diagram No.: 9.02_BE_CH13_g-mode_36Mbit

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	HLa
Comment:	Channel no. High=13, g-Mode, 36MBit, 0dBm setting

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	

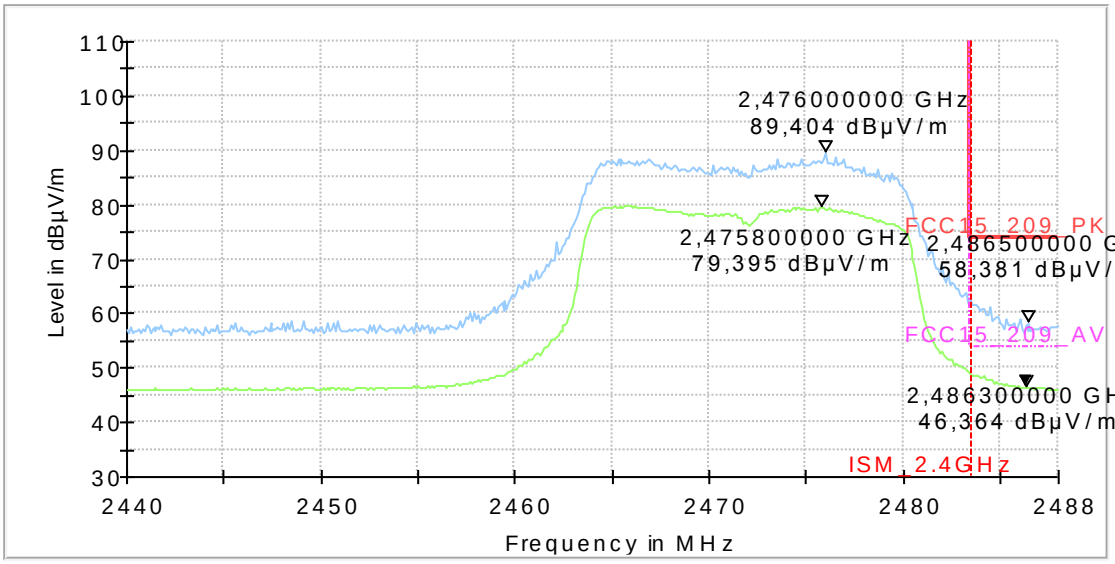


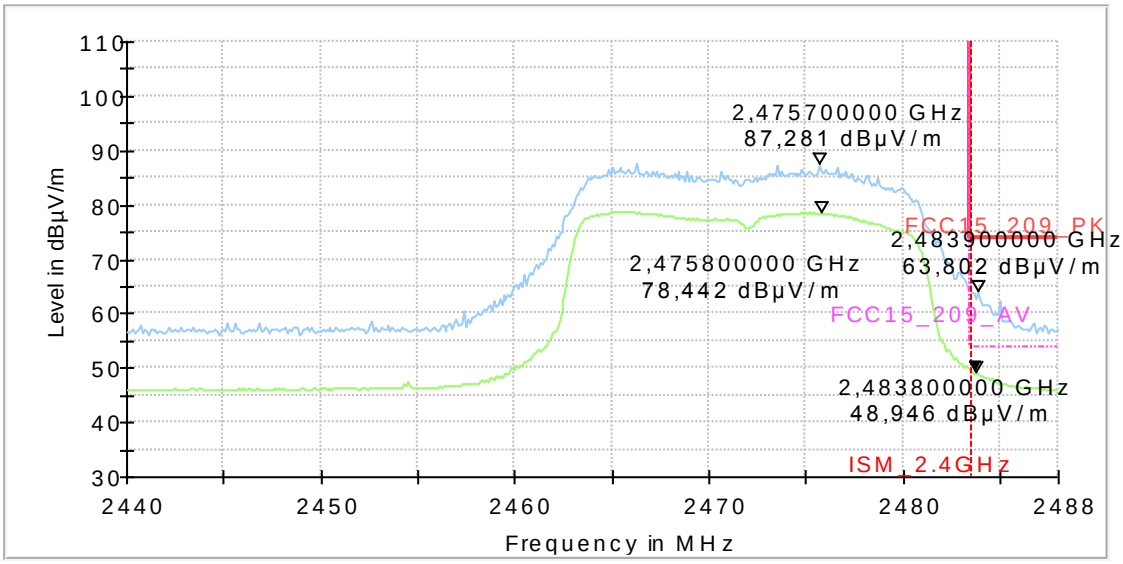
Diagram No.: 9.03_BE_CH13_HT20-mode_MCS0

Common Information

Test Description:	Radiated Band-Edge Emissions in 3m distance
Test Site:	CETECOM GmbH Essen
Test Standard:	FCC 15.205&15.209 Intentional Radiator
Antenna polarisation:	horizontal/vertical
Operation mode:	TX, continuous
Operator Name:	HLa
Comment:	Channel no. High=13, HT20-Mode, MCS0

EUT Information

Manufacturer:	peiker acustic GmbH & Co. KG
EuT:	ATM-01 T1-US-4GW
---	---
HW Version:	212.007.007
SW Version:	001.018.103
Serial Number:	0000595569
Connected Interfaces:	
Power Supply:	14 VDC
Comments:	



3. Conducted RF-measurements on antenna port

3.1. Conducted RF-power

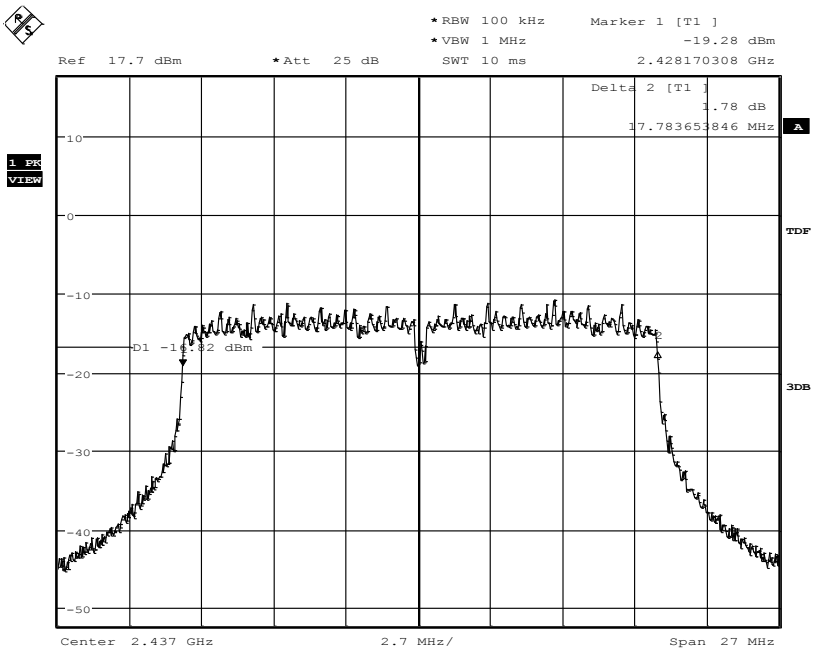
b-mode	**Channel no.**		
Data rate	Channel 1	Channel 6	Channel 13
1MBit	1.16	0.98	**0.23**
2Mbit	1.17	**1.01**	0.18
5.5Mbit	1.17	**1.01**	0.10
11MBit	**1.19**	0.95	0.11

g-Mode	**Channel no.**		
Data rate	Channel 1	Channel 6	Channel 13
6Mbit	0.87	1.27	0.45
9Mbit	0.89	1.26	0.50
12Mbit	0.93	1.29	**1.52**
18Mbit	0.98	**1.31**	0.54
24Mbit	1.17	1.19	0.66
36Mbit	1.22	1.21	0.72
48Mbit	1.13	1.12	0.69
54MBit	**1.26**	1.23	0.75

n-Mode HT20 (1 spatial stream: 1SS)	**Channel no.**		
Data rate	Channel 1	Channel 6	Channel 13
MCS0 -6.5Mbps	0.84	1.23	0.43
MCS1 - 13Mbps	0.86	1.27	0.47
MCS2 - 19.5Mbps	0.87	**1.29**	0.48
MCS3 - 26Mbps	1.08	1.13	0.61
MCS4 -39Mbps	1.11	1.16	0.62
MCS5 - 52MBps	1.11	1.14	0.62
MCS6 - 58.5MBps	1.18	1.24	**0.68**
MCS7 - 65MBps	**1.19**	1.20	0.66

3.2. 6-dB Bandwidth

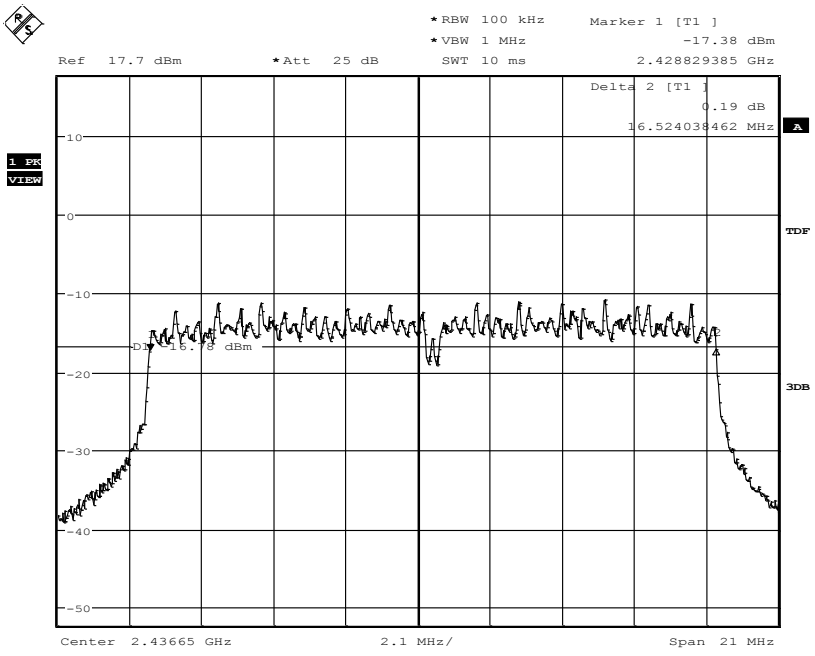
3.2.1. 6-dB Bandwidth (n-Mode)



Date: 25.AUG.2015 12:16:04

Channel 6 - Worst-Case 6dB-Bandwidth

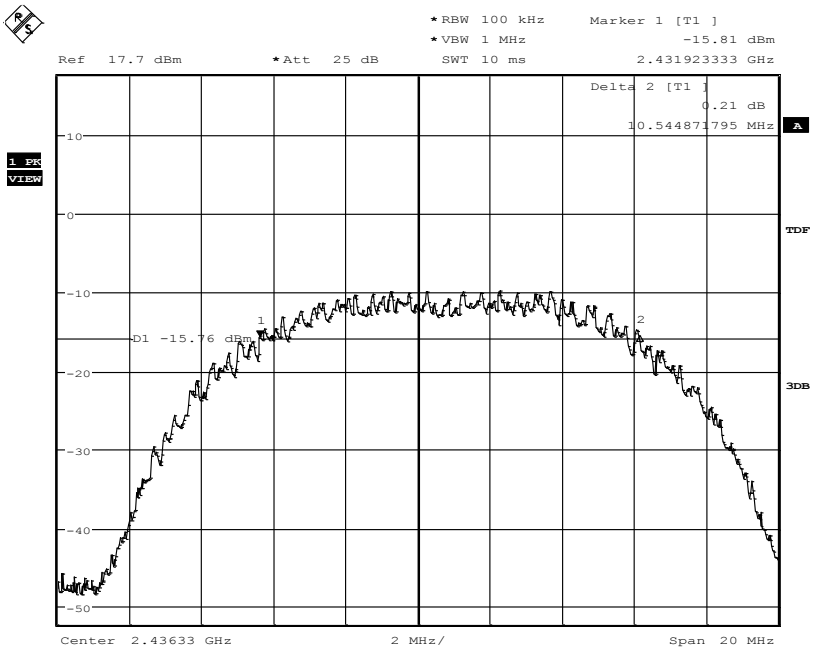
3.2.2. 6-dB Bandwidth (g-Mode)



Date: 25.AUG.2015 13:25:20

Channel 6 - Worst-Case 6dB-Bandwidth

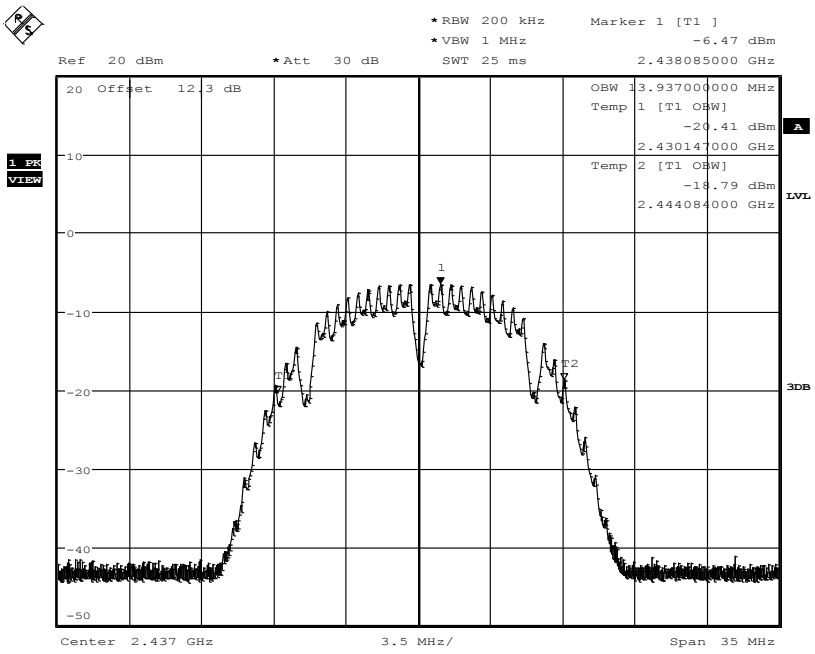
3.2.3. 6-dB Bandwidth (b-Mode)



Channel 6 - Worst-Case 6dB-Bandwidth

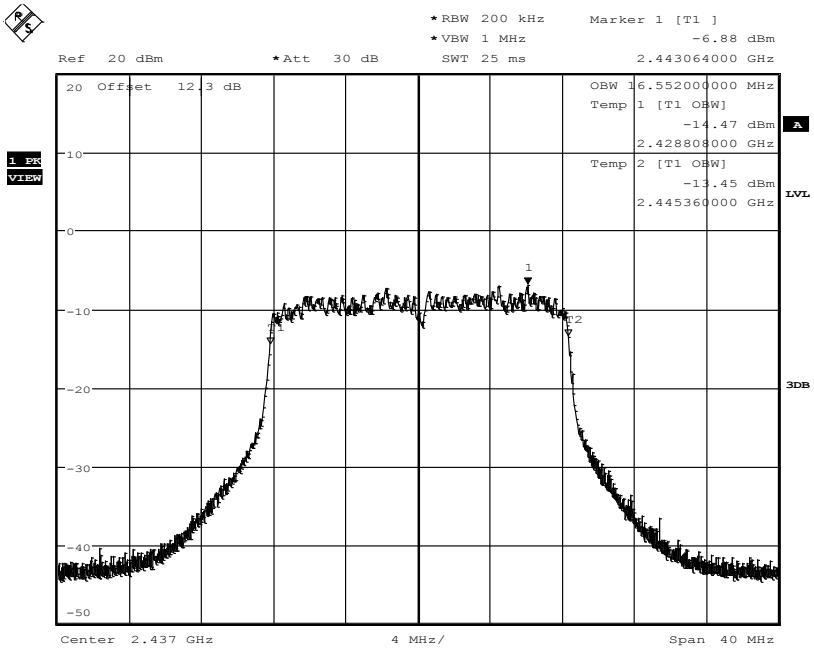
3.3. 99% Occupied Bandwidth

3.3.1. OBW - Bandwidth (b-Mode)

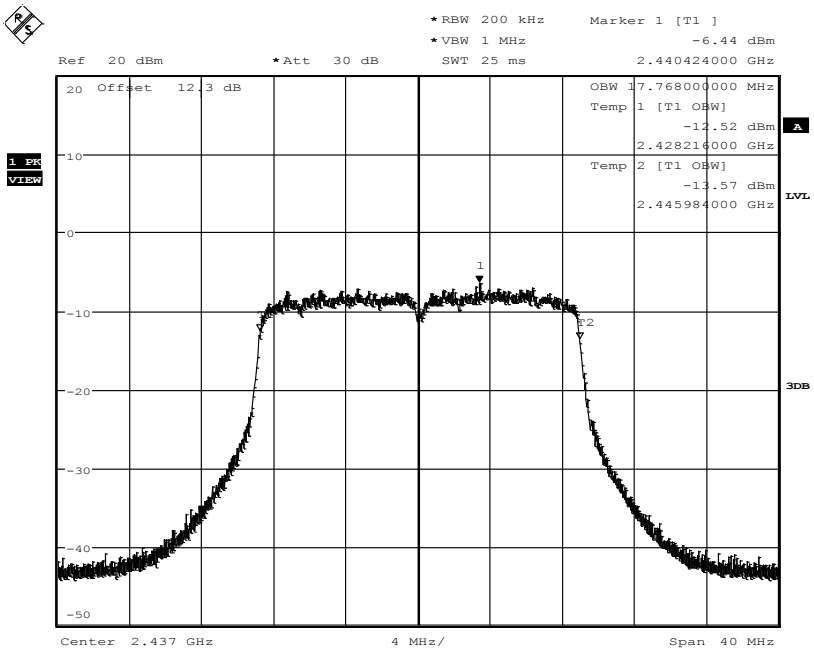


Channel 6(5.5 MBit)

3.3.2. OBW - Bandwidth (g-Mode)

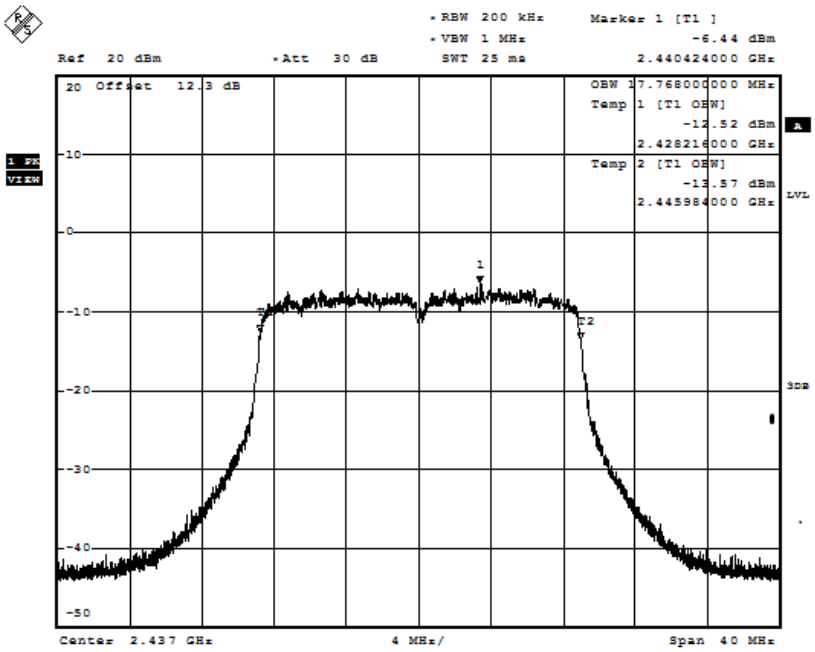


Channel 6 (54 MBit)

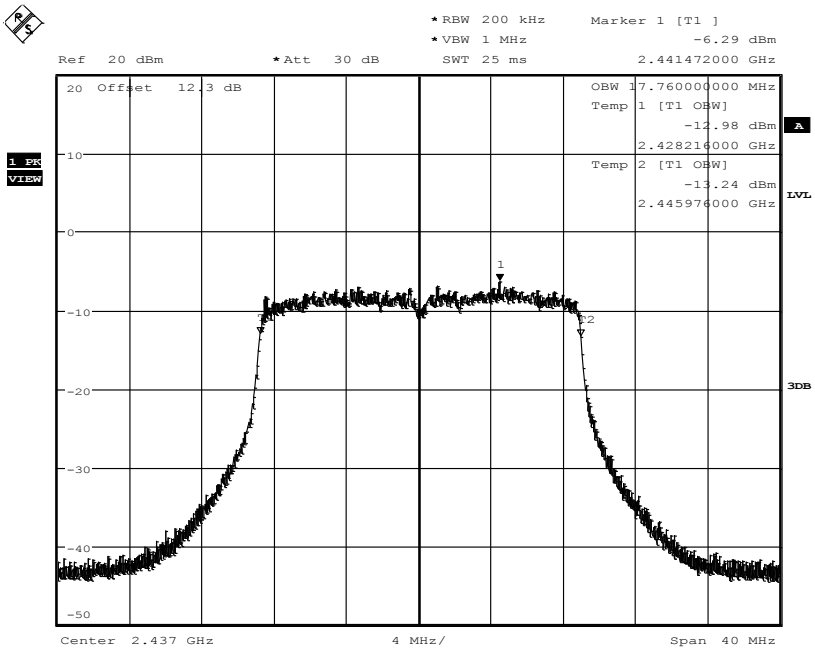


Channel 13

3.3.3. OBW - Bandwidth (n-Mode)



Channel 6 (MCS3)

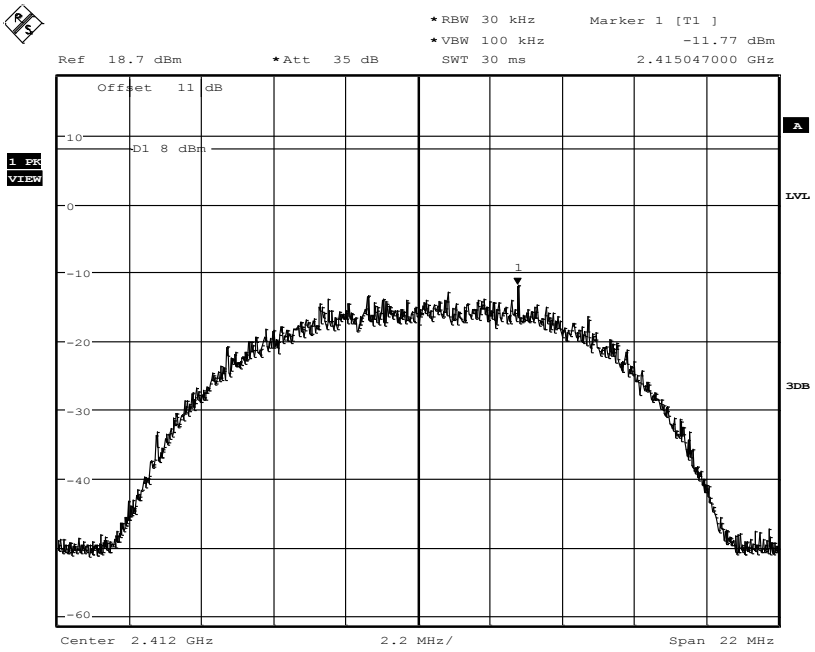


Channel 6 (MCS7)

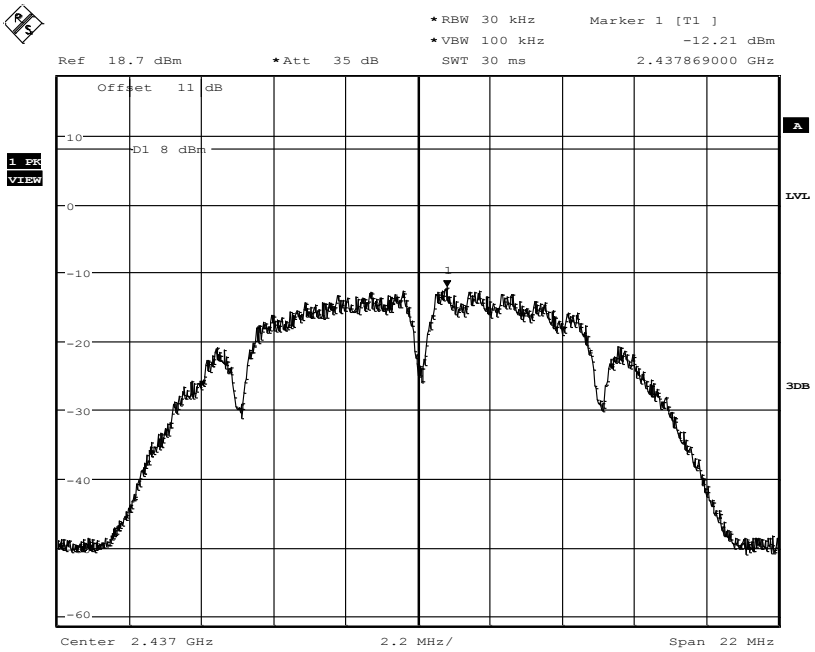
3.4. Power Spectral Density

Method §10.2

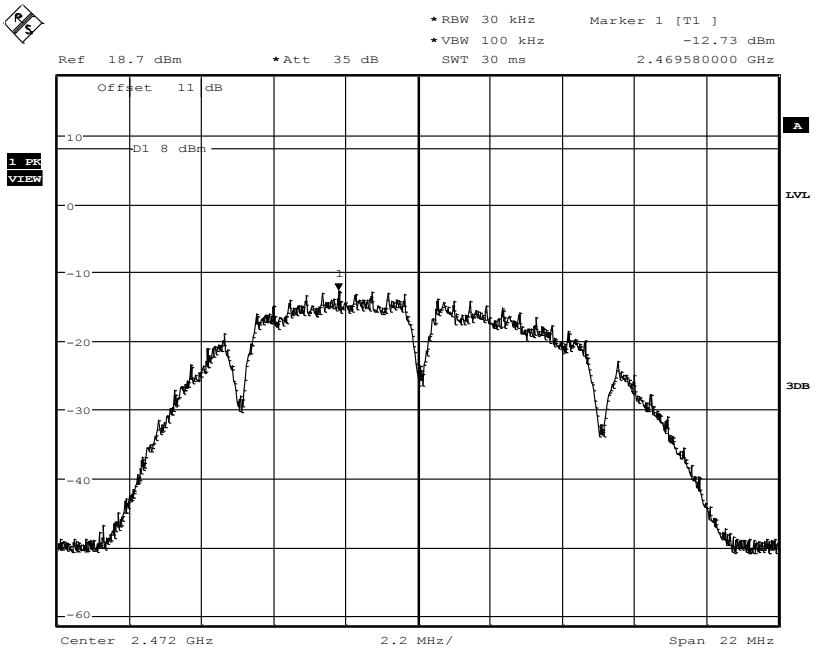
3.4.1. PSD (b-Mode)



Channel 1 (11MBit)

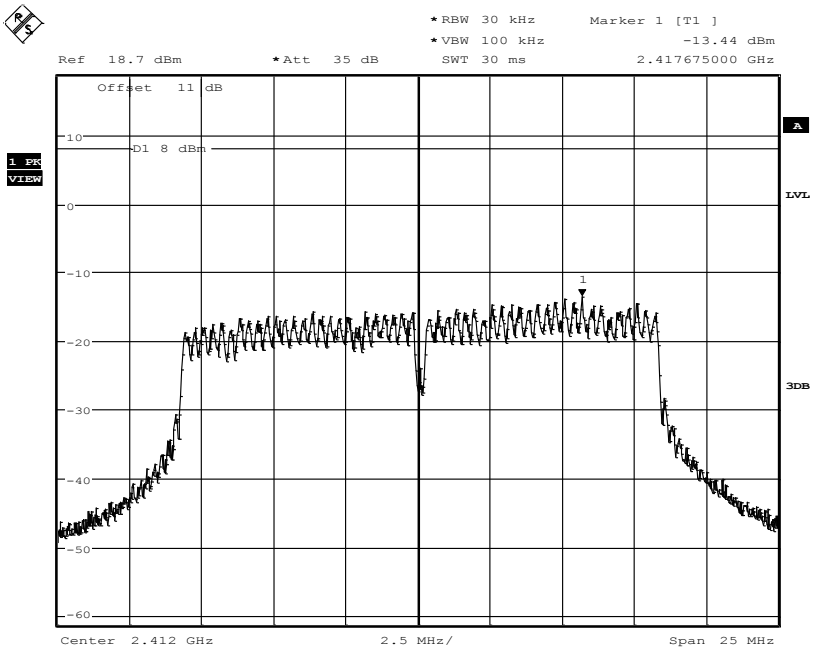


Channel 6 (2MBit)

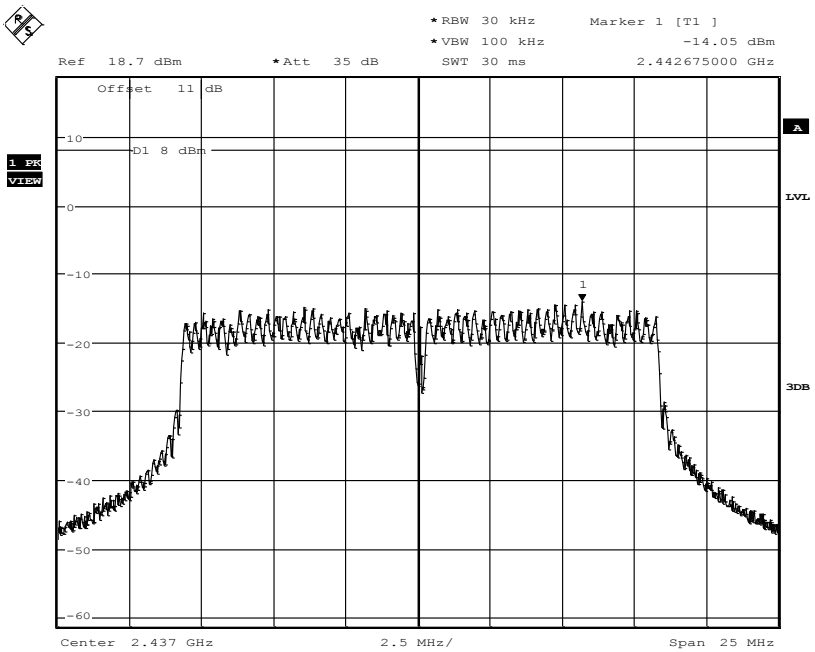


Channel 13 (1MBit)

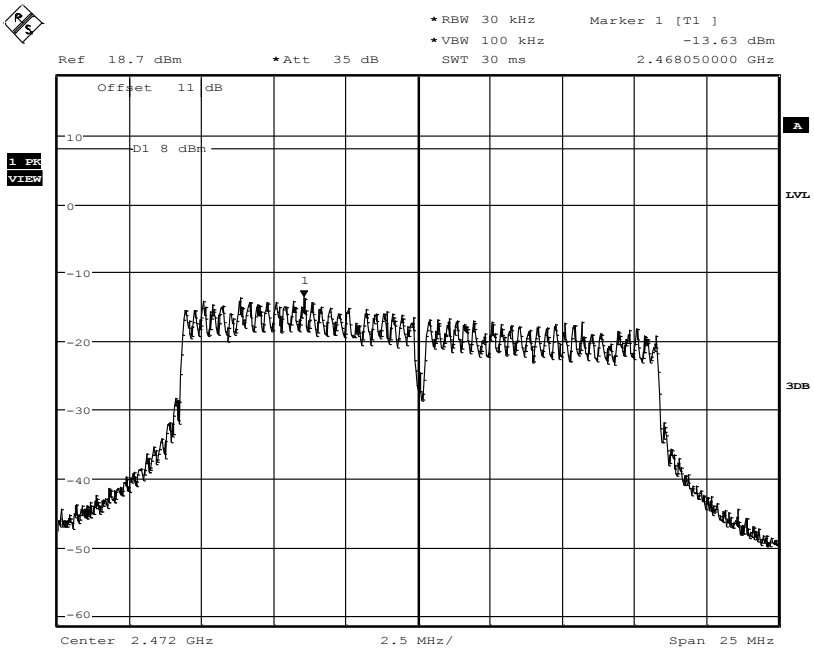
3.4.2. PSD (g-Mode)



Channel 1(54 MBit)

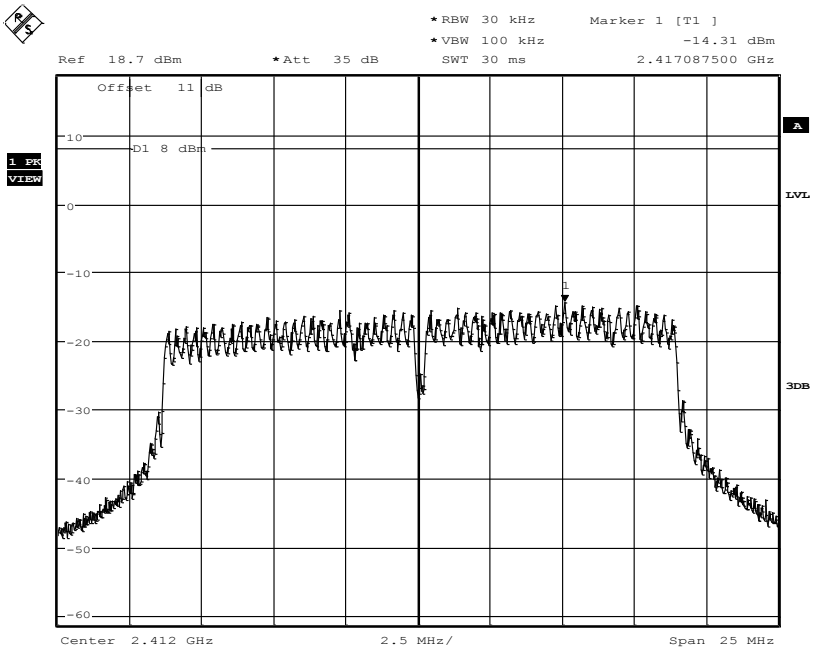


Channel 6(54 MBit)

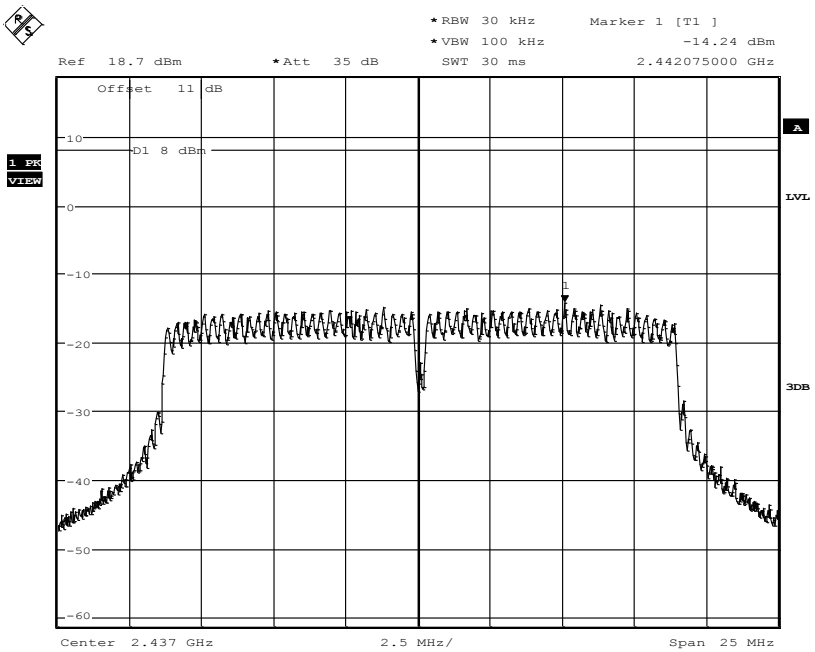


Channel 13(54 MBit)

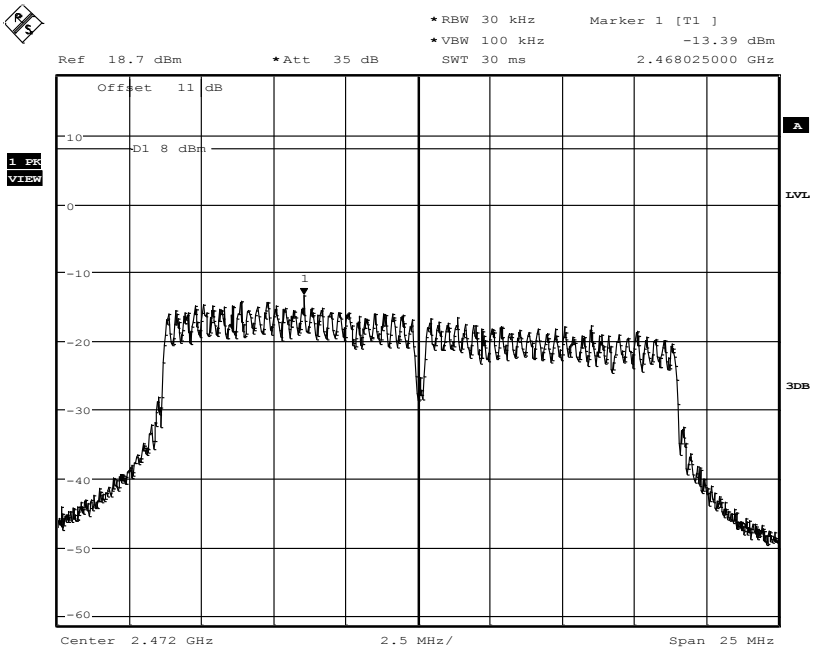
3.4.3. PSD (n-Mode)



Channel 1(MCS6)



Channel 6(MCS1)

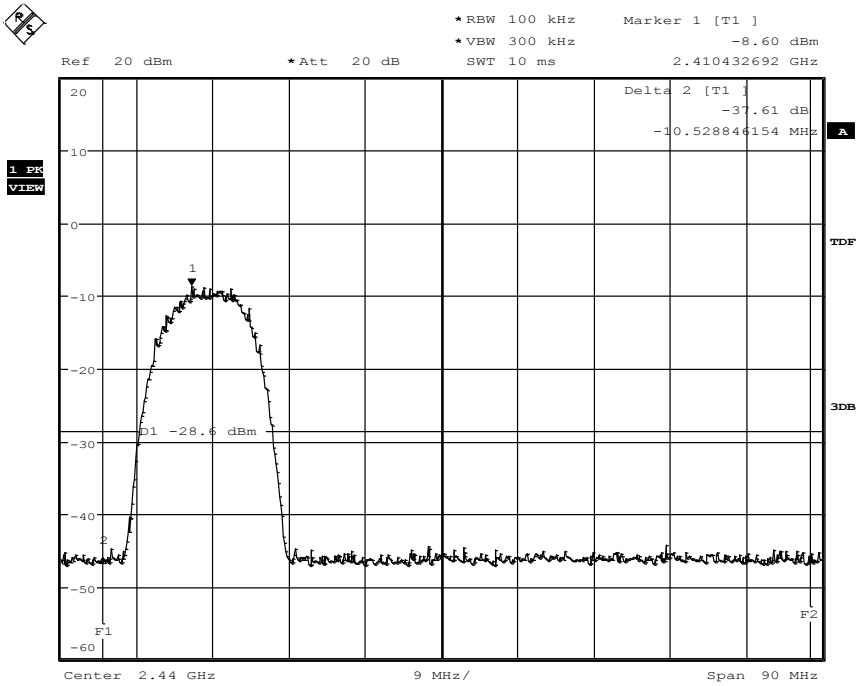


Channel 13(MCS6)

3.5. 20dBc Emissions

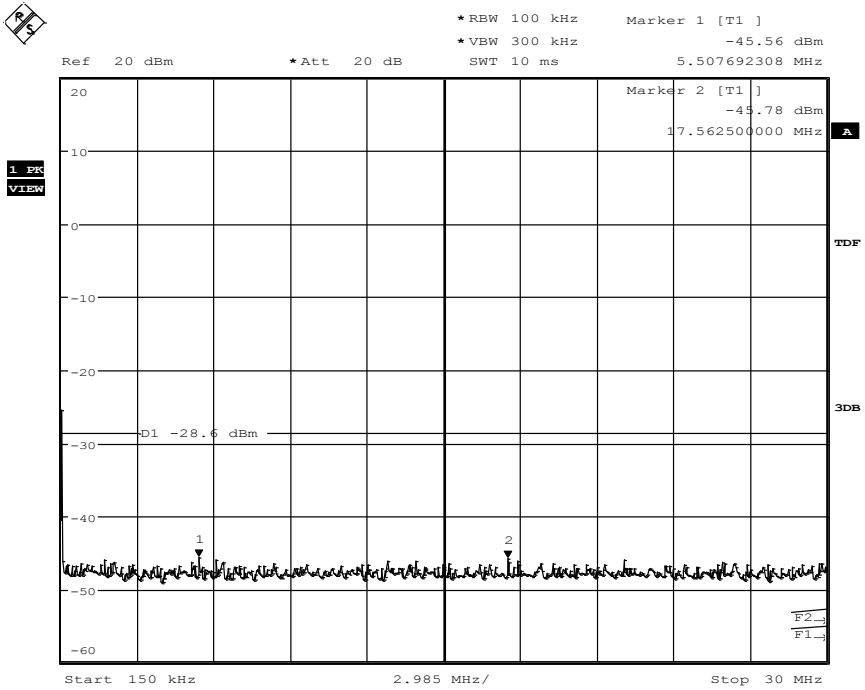
3.5.1. b-Mode Channel 1 (data rate 11MBit)

3.5.1.1. Channel 1 Reference



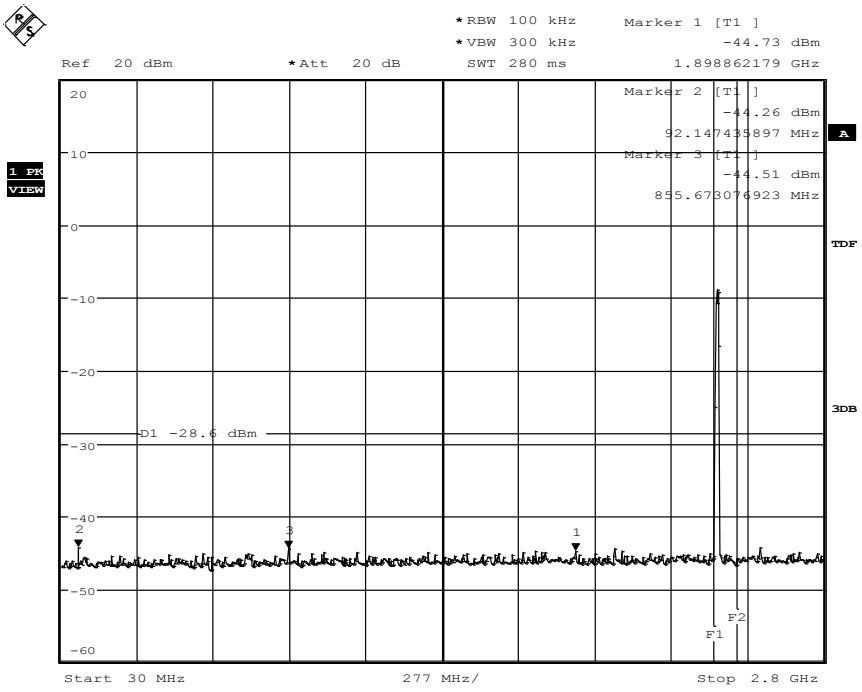
Date: 28.AUG.2015 11:57:27

3.5.1.2. Sweep 1: 150kHz to 30MHz



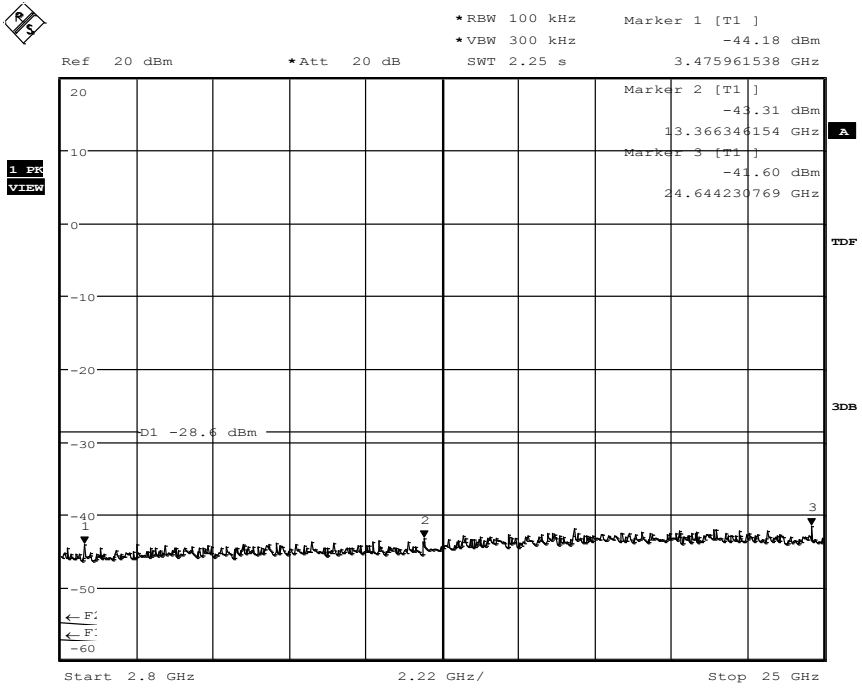
Date: 28.AUG.2015 12:00:26

3.5.1.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 12:04:55

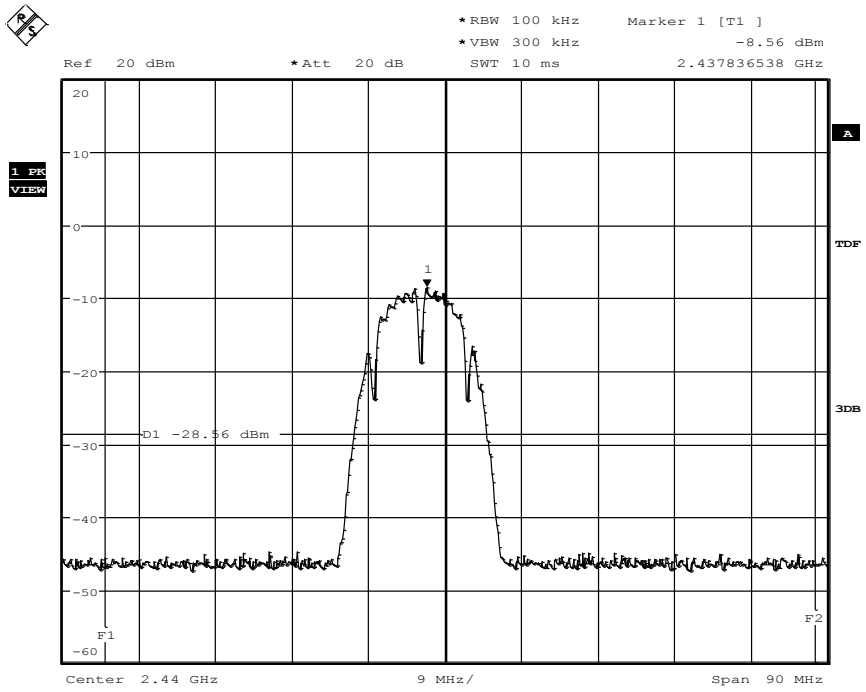
3.5.1.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 12:08:25

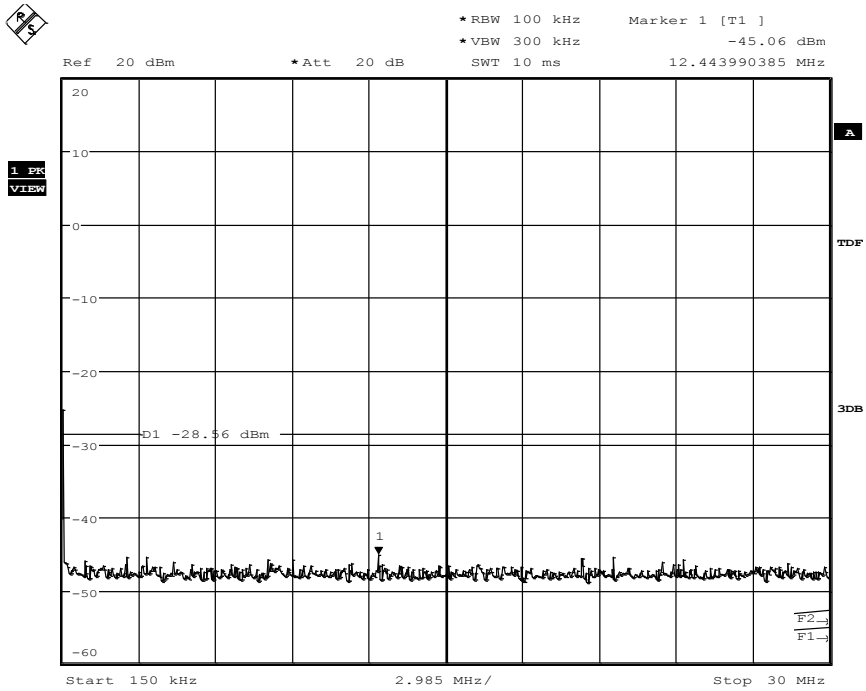
3.5.2. b-Channel 6

3.5.2.1. Channel 6 Reference



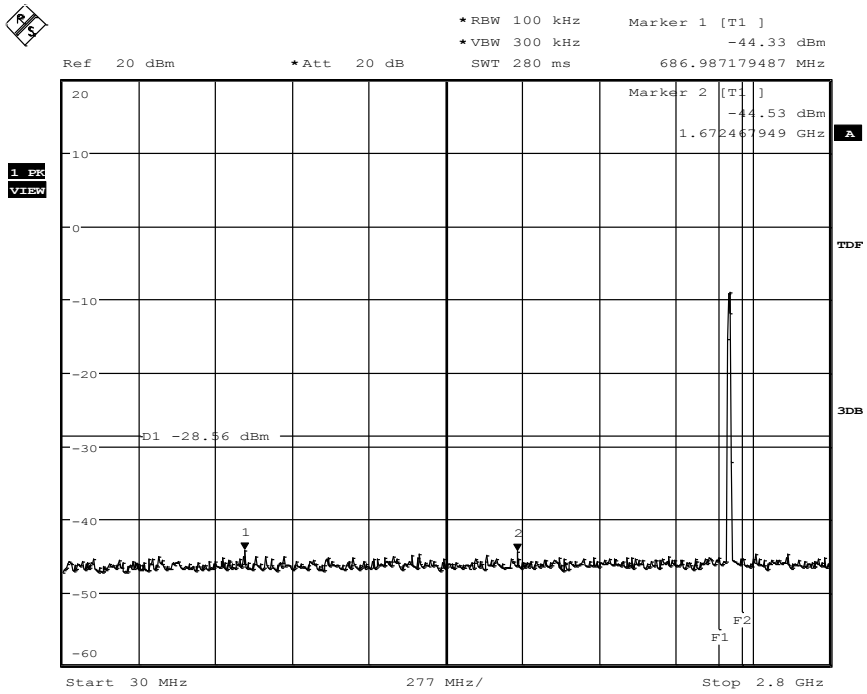
Date: 28.AUG.2015 12:12:01

3.5.2.2. Sweep 1: 150kHz to 30MHz



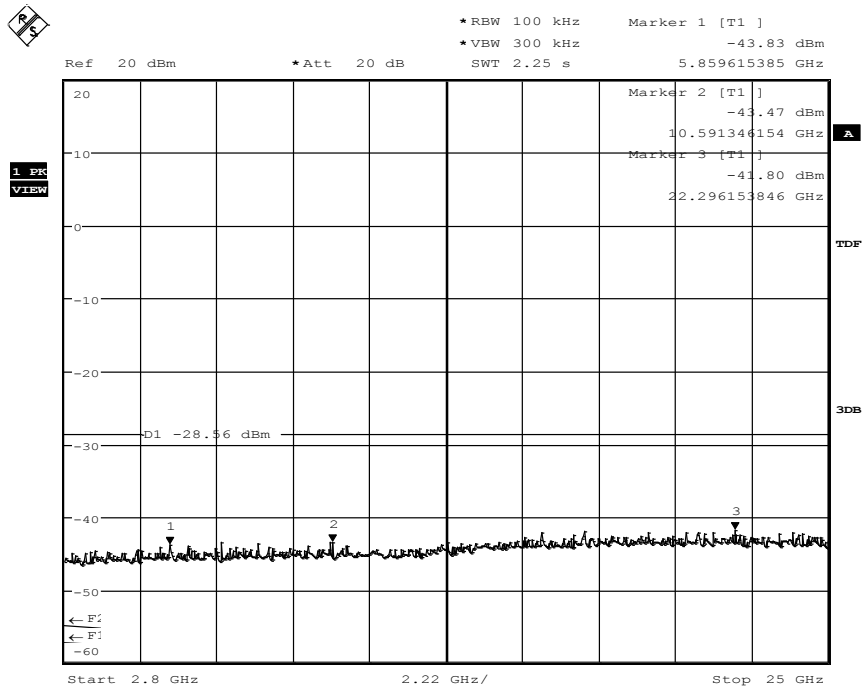
Date: 28.AUG.2015 12:15:17

3.5.2.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 12:18:31

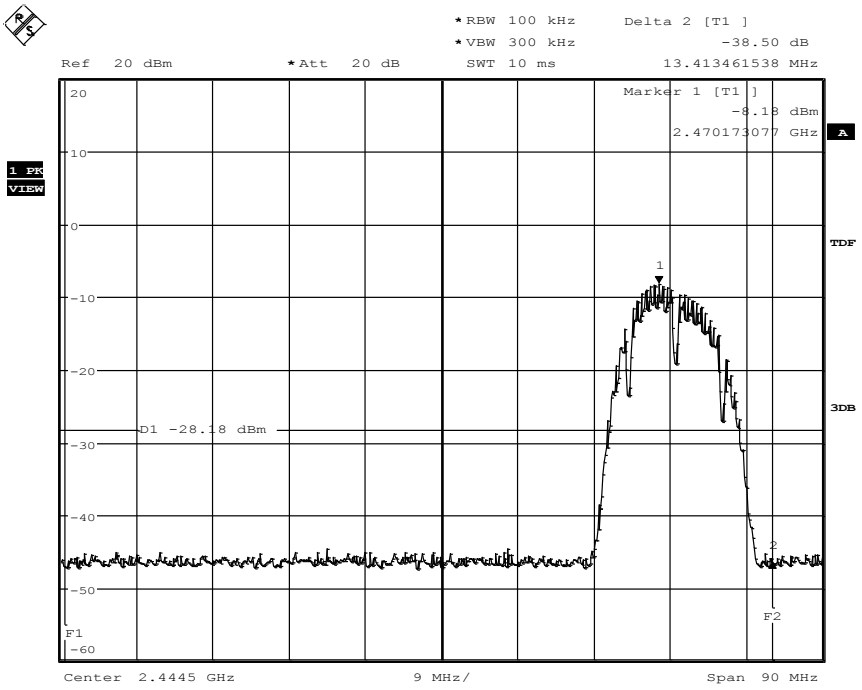
3.5.2.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 12:22:06

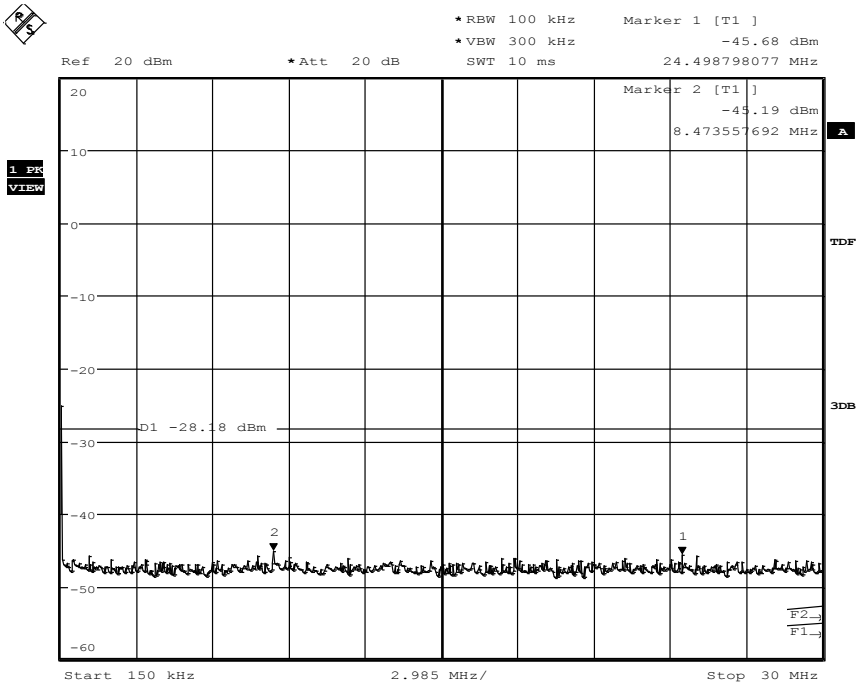
3.5.3. b-Mode Channel 13

3.5.3.1. Channel 13 Reference



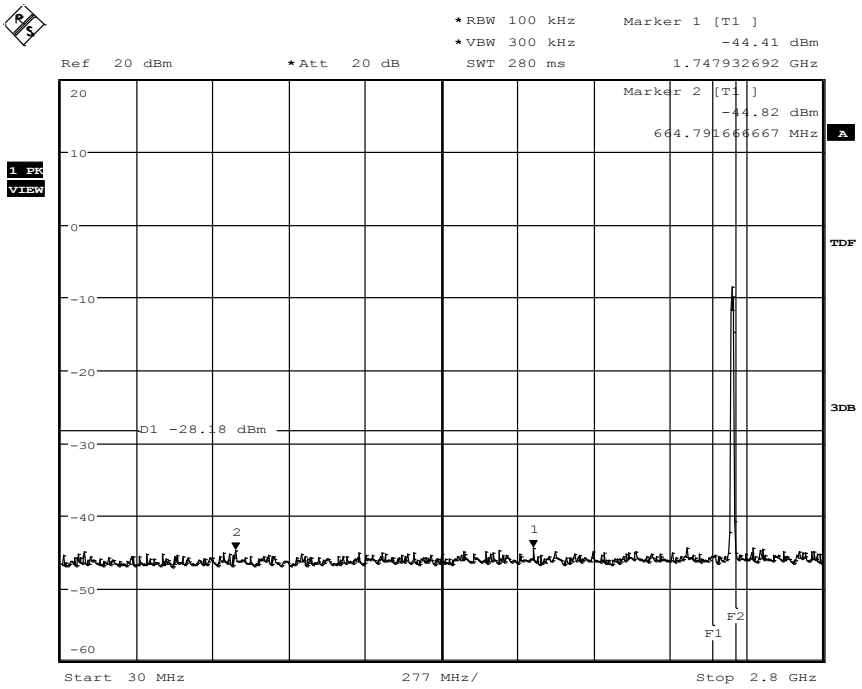
Date: 28.AUG.2015 12:27:23

3.5.3.2. Sweep 1: 150kHz to 30MHz



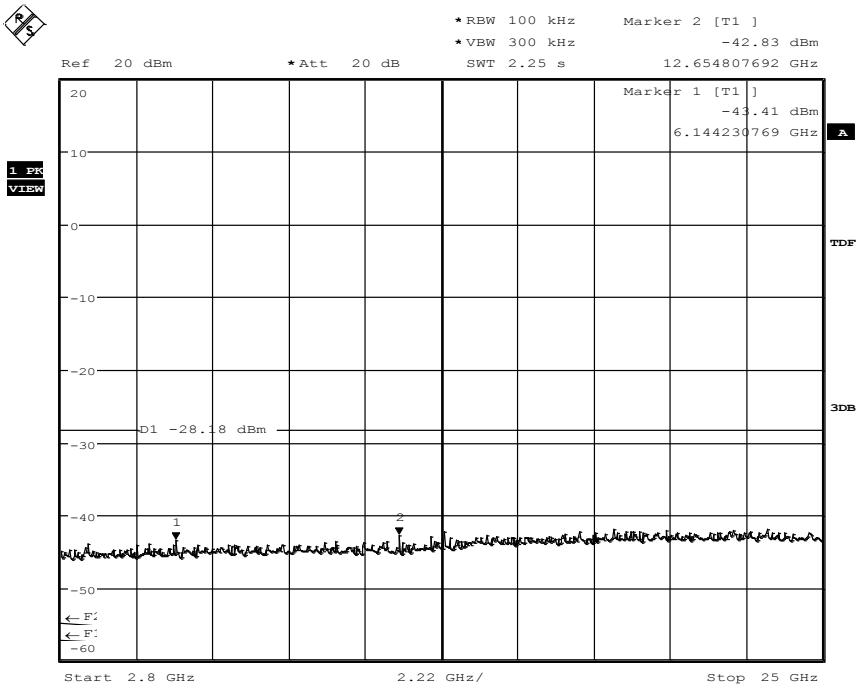
Date: 28.AUG.2015 12:37:49

3.5.3.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 12:42:20

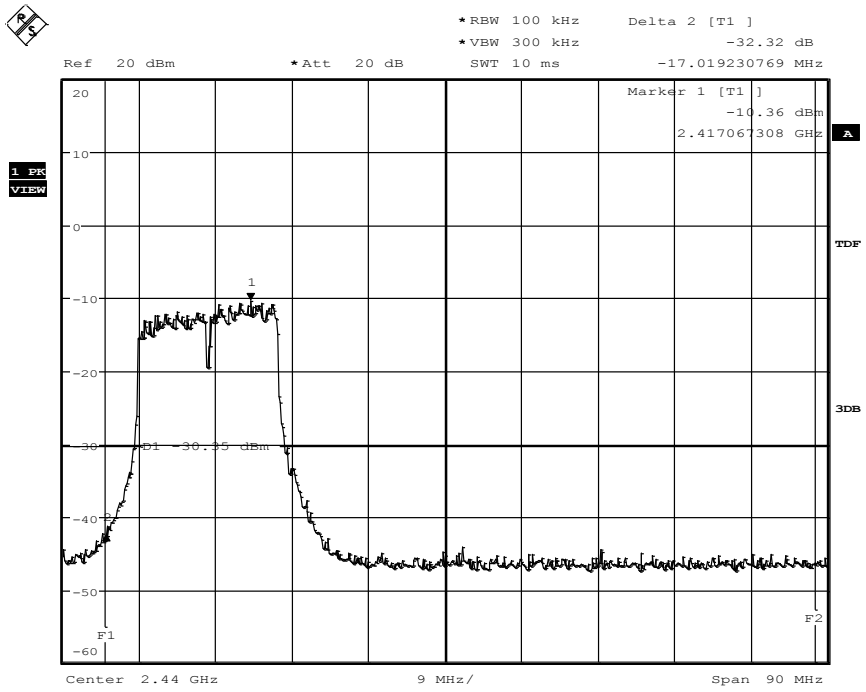
3.5.3.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 12:33:25

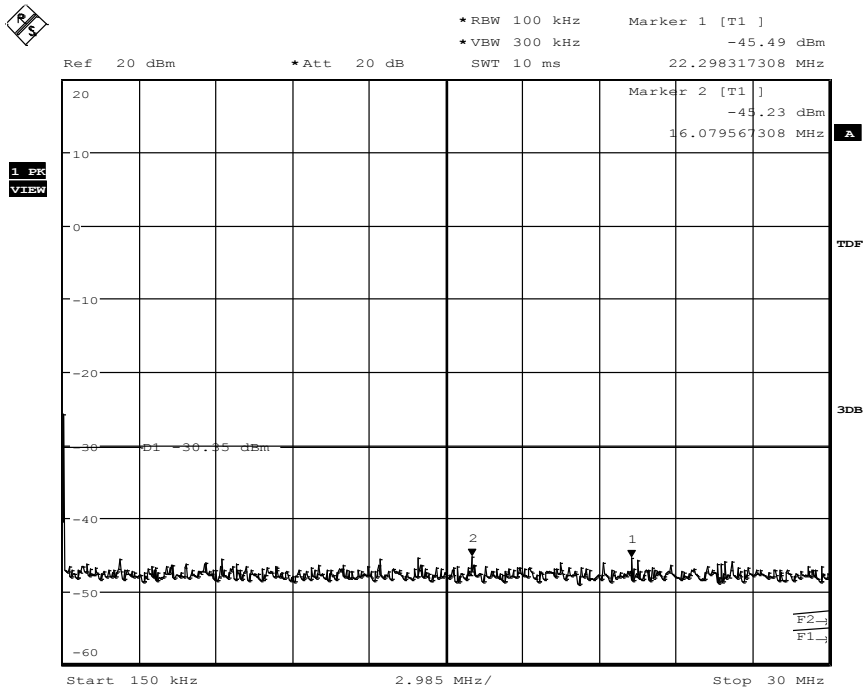
3.5.4. g-Mode Channel 1

3.5.4.1. Channel 1 Reference



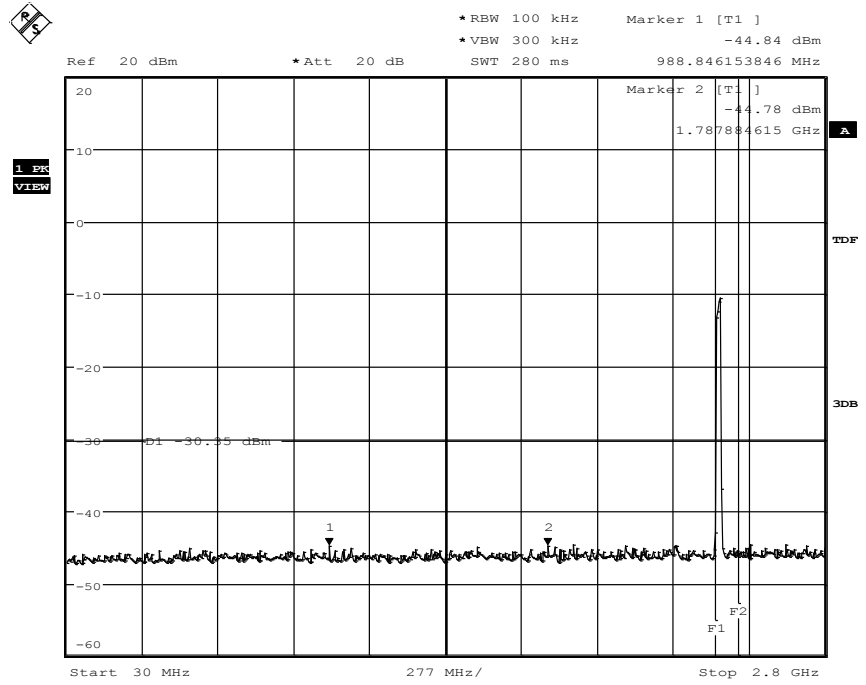
Date: 28.AUG.2015 11:14:41

3.5.4.2. Sweep 1: 150kHz to 30MHz



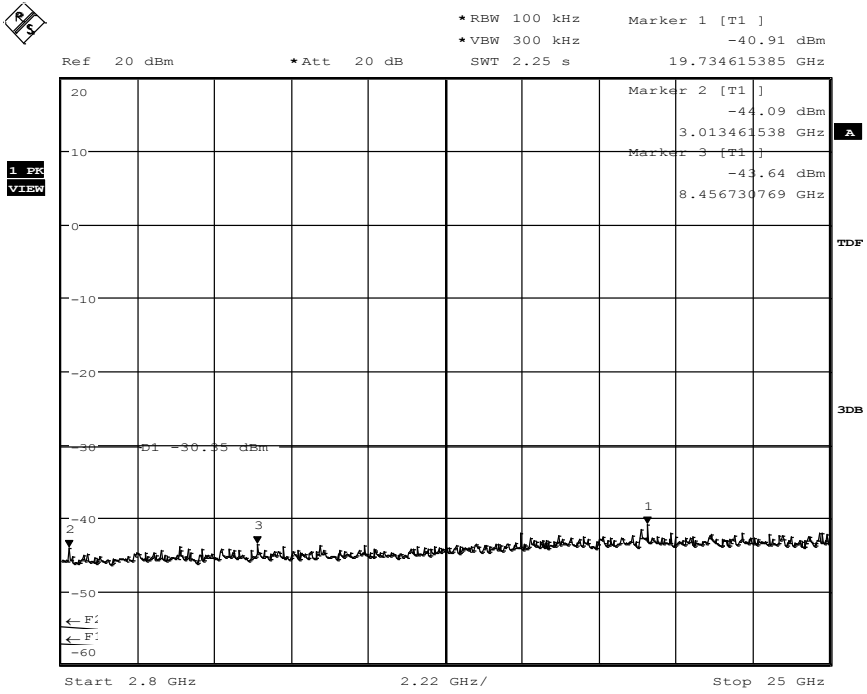
Date: 28.AUG.2015 11:17:20

3.5.4.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 11:20:57

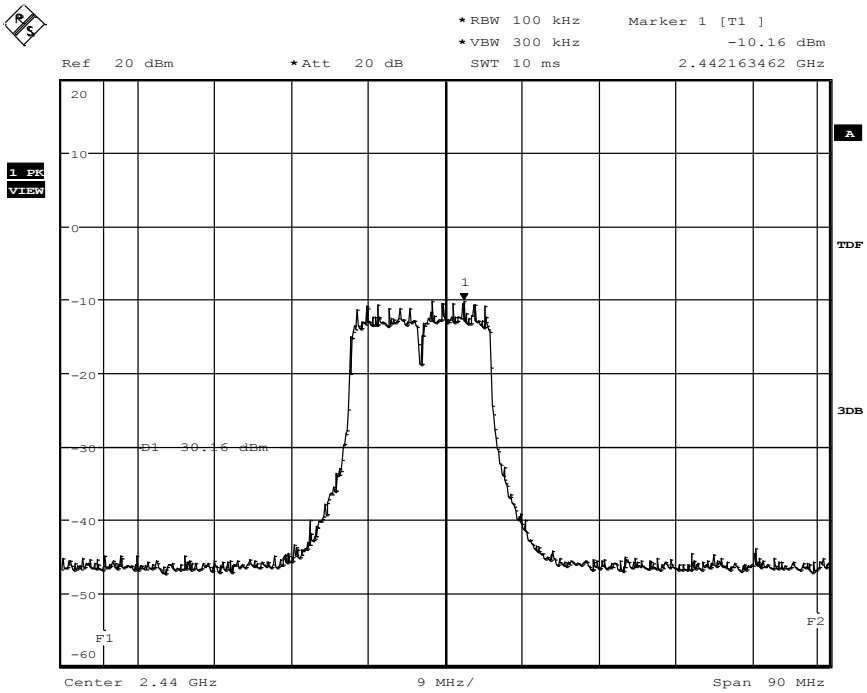
3.5.4.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 11:24:30

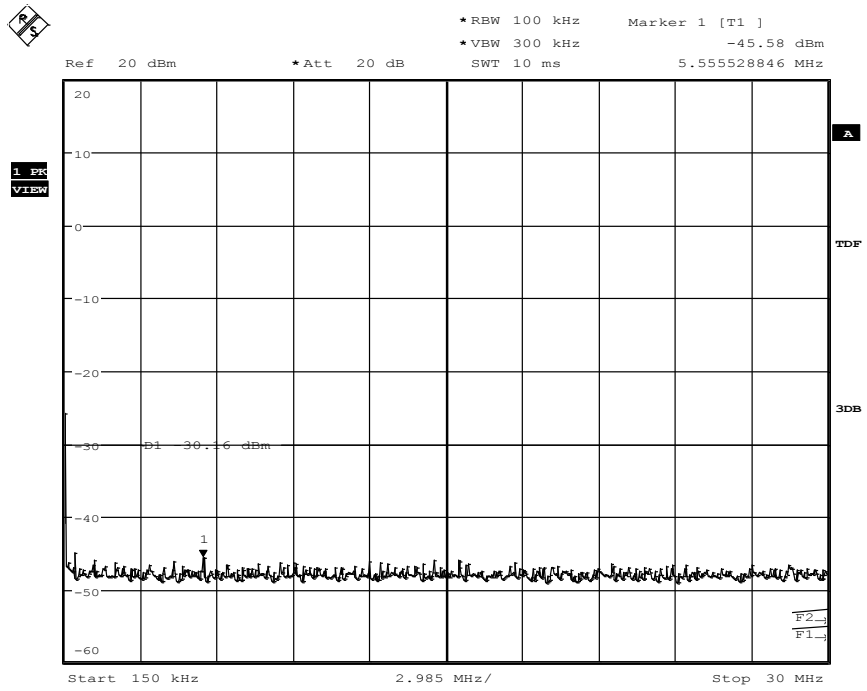
3.5.5. g-Mode Channel 6

3.5.5.1. Channel 6 Reference



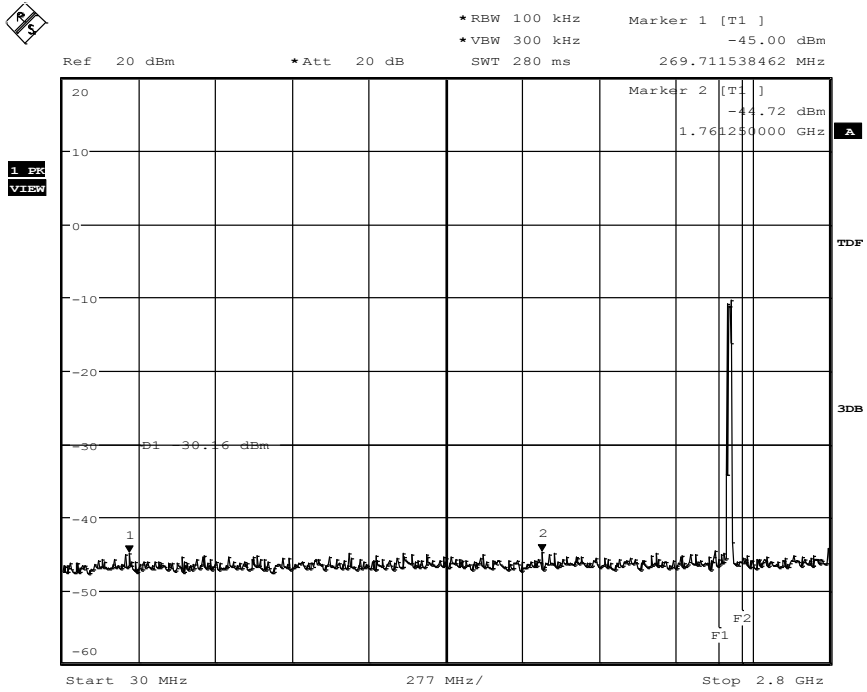
Date: 28.AUG.2015 11:28:26

3.5.5.2. Sweep 1: 150kHz to 30MHz



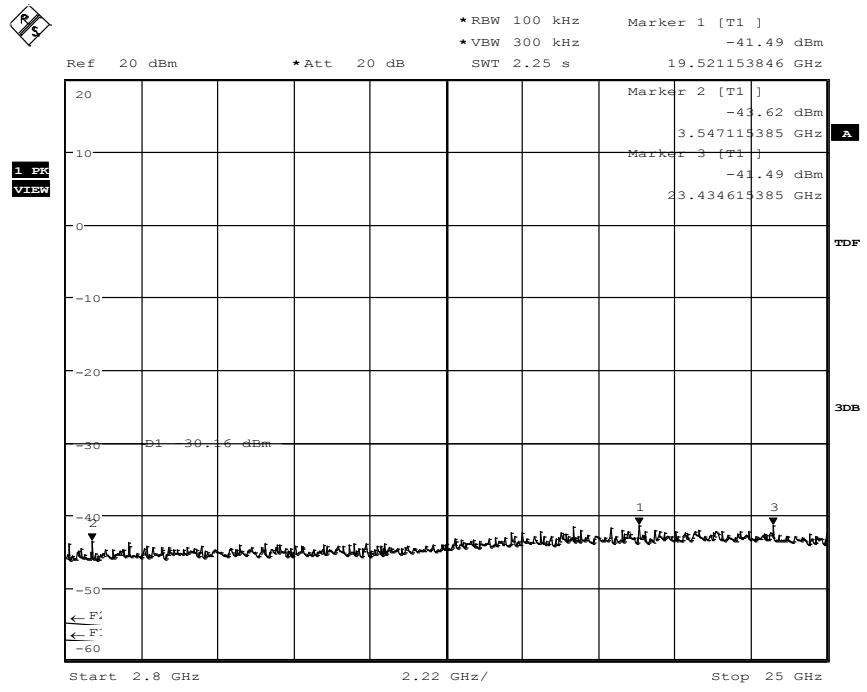
Date: 28.AUG.2015 11:30:30

3.5.5.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 11:32:43

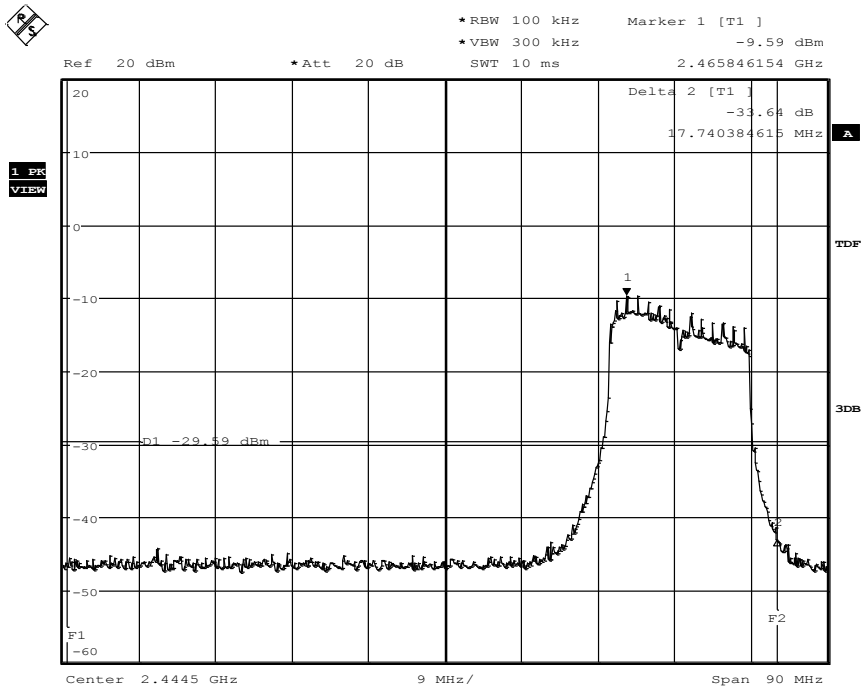
3.5.5.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 11:36:58

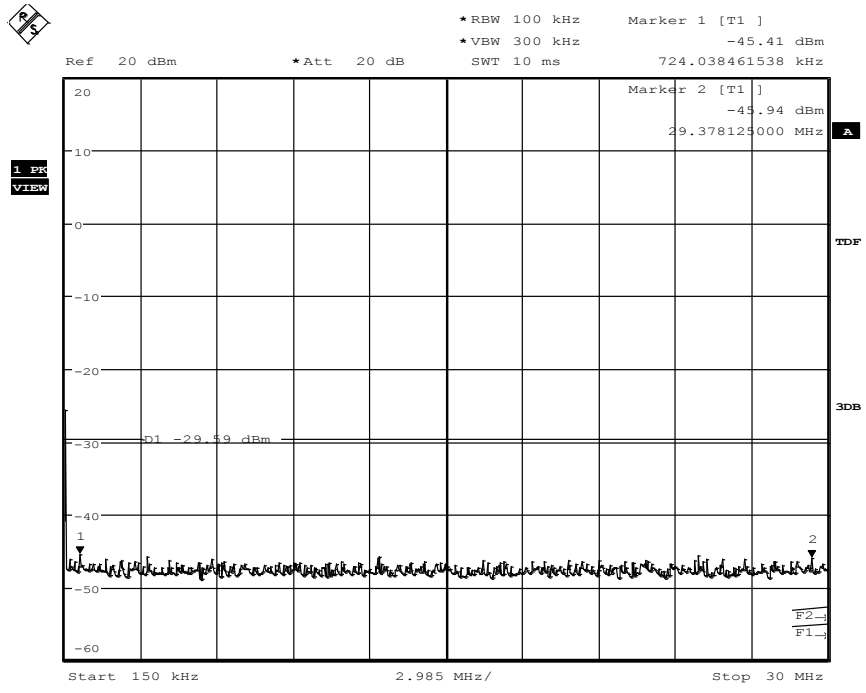
3.5.6. g-Mode Channel 13

3.5.6.1. Channel 13 Reference



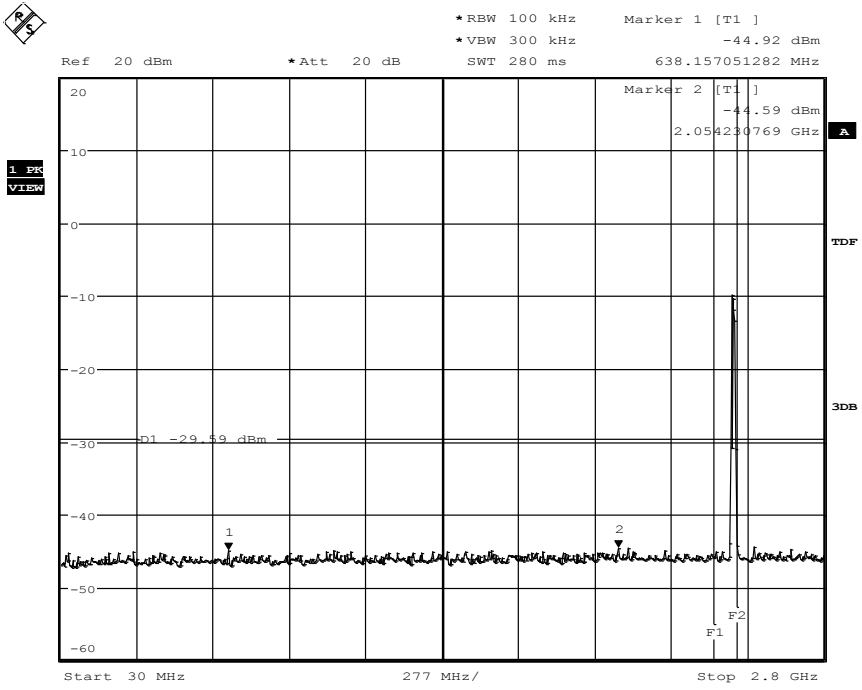
Date: 28.AUG.2015 11:40:47

3.5.6.2. Sweep 1: 150kHz to 30MHz



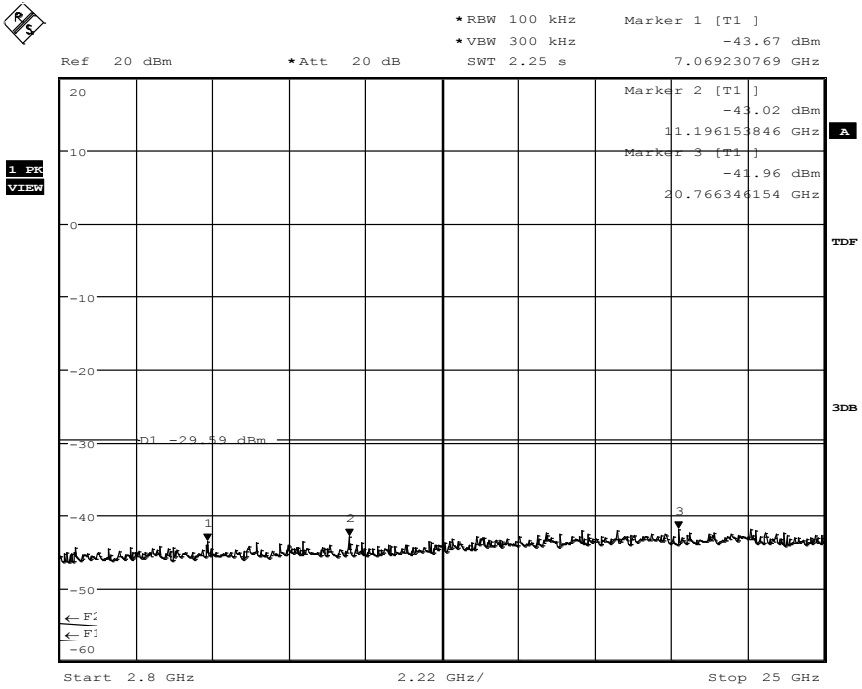
Date: 28.AUG.2015 11:43:49

3.5.6.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 11:48:15

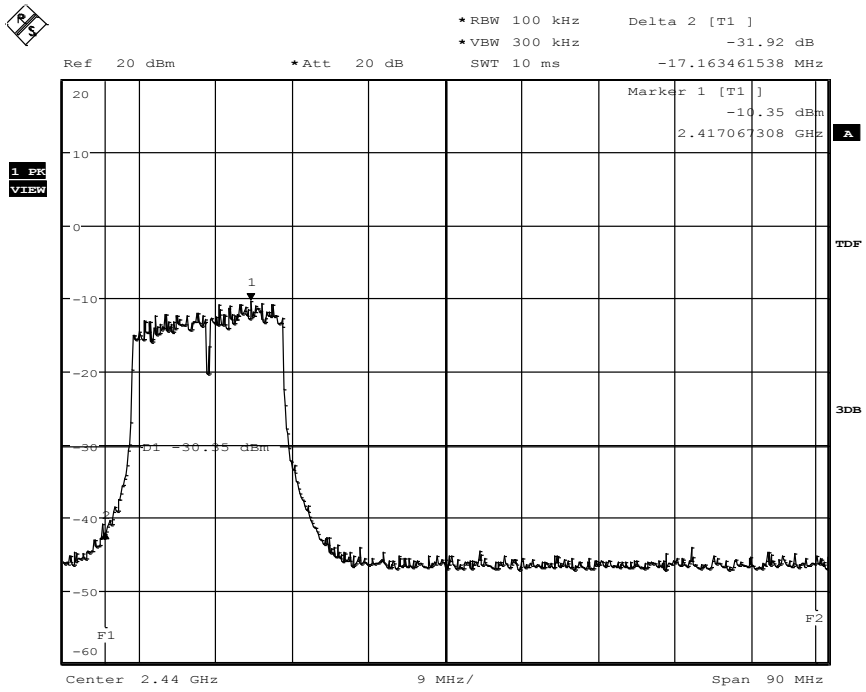
3.5.6.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 11:51:22

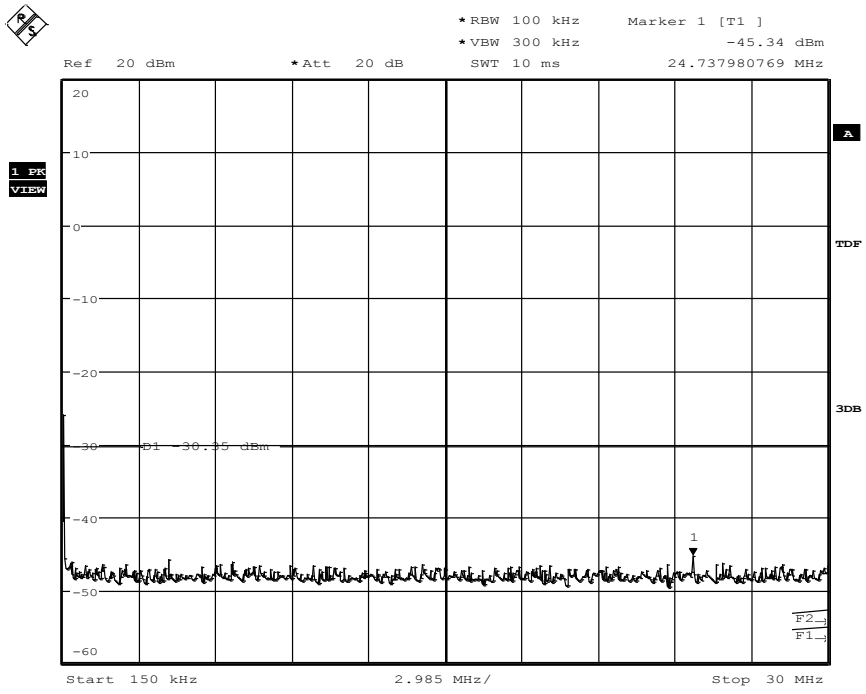
3.5.7. n-Mode Channel 1

3.5.7.1. Channel 1 Reference



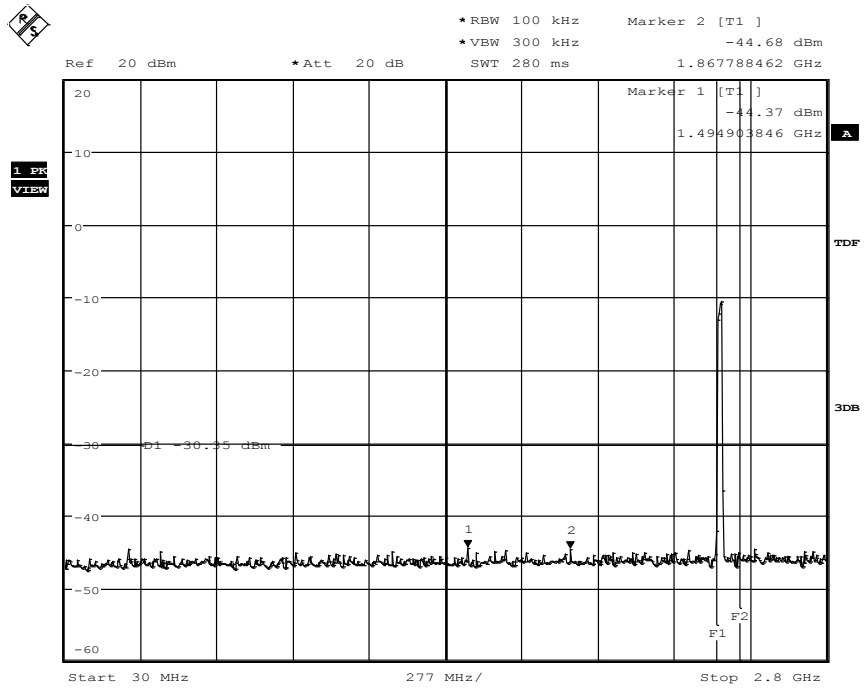
Date: 28.AUG.2015 11:03:54

3.5.7.2. Sweep 1: 150kHz to 30MHz



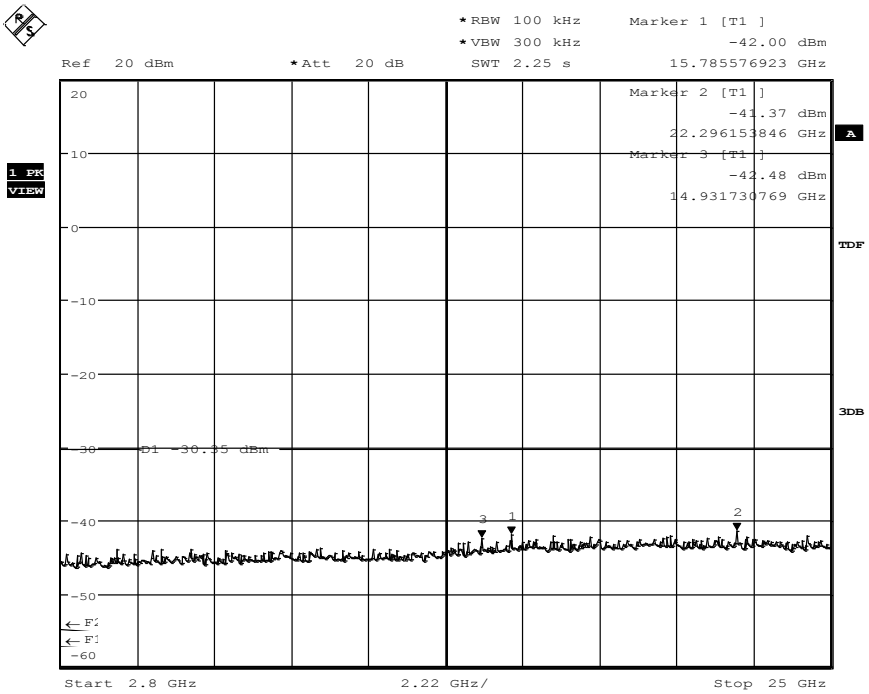
Date: 28.AUG.2015 11:05:40

3.5.7.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 11:08:28

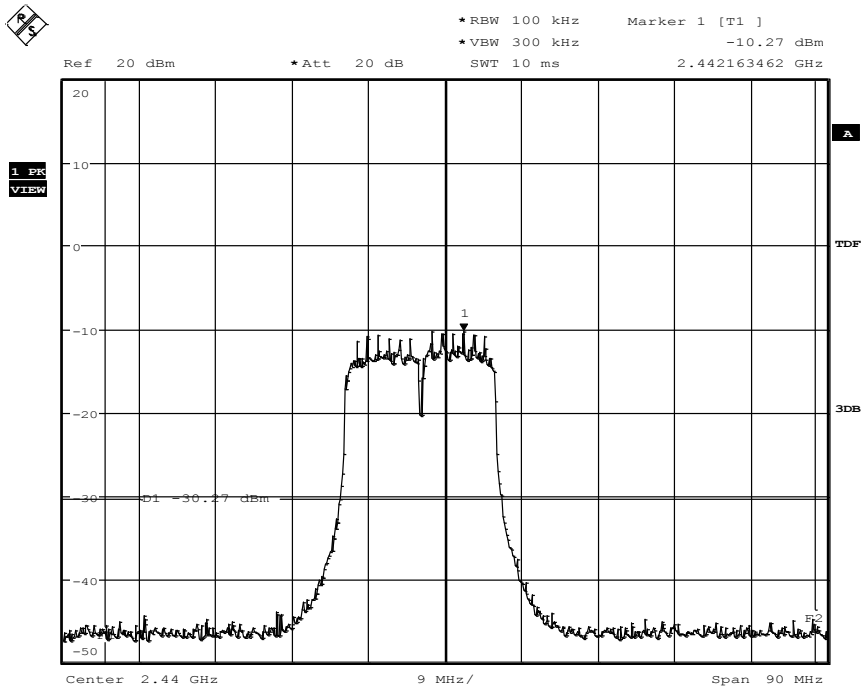
3.5.7.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 11:11:45

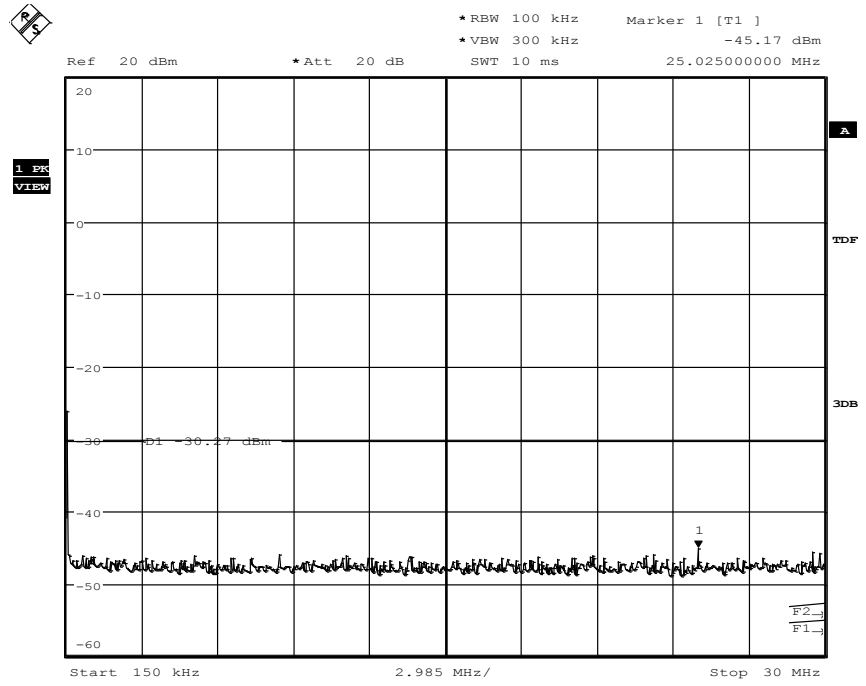
3.5.8. n-Mode Channel 6

3.5.8.1. Channel 6 Reference



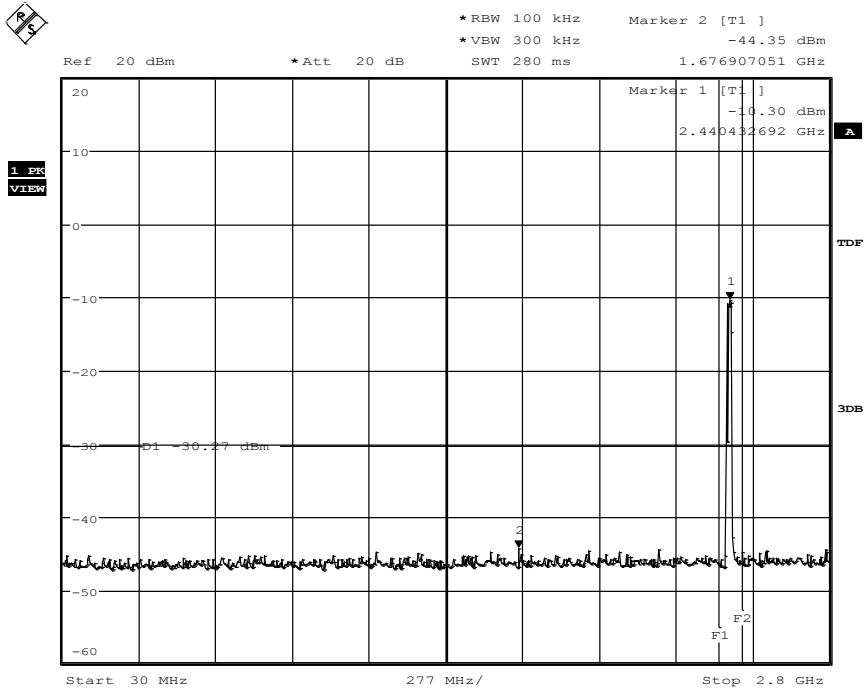
Date: 28.AUG.2015 10:49:49

3.5.8.2. Sweep 1: 150kHz to 30MHz



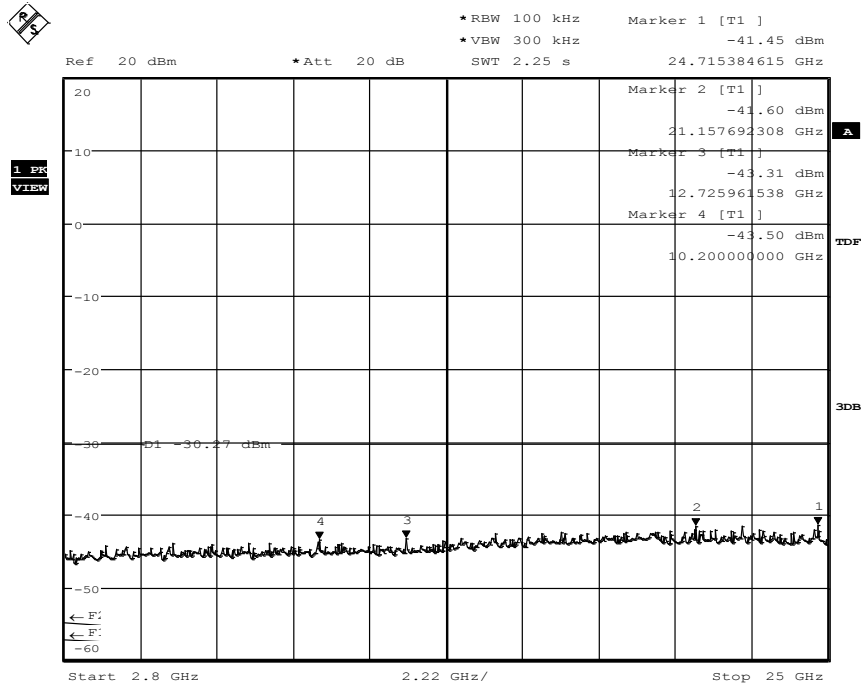
Date: 28.AUG.2015 10:53:24

3.5.8.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 10:56:41

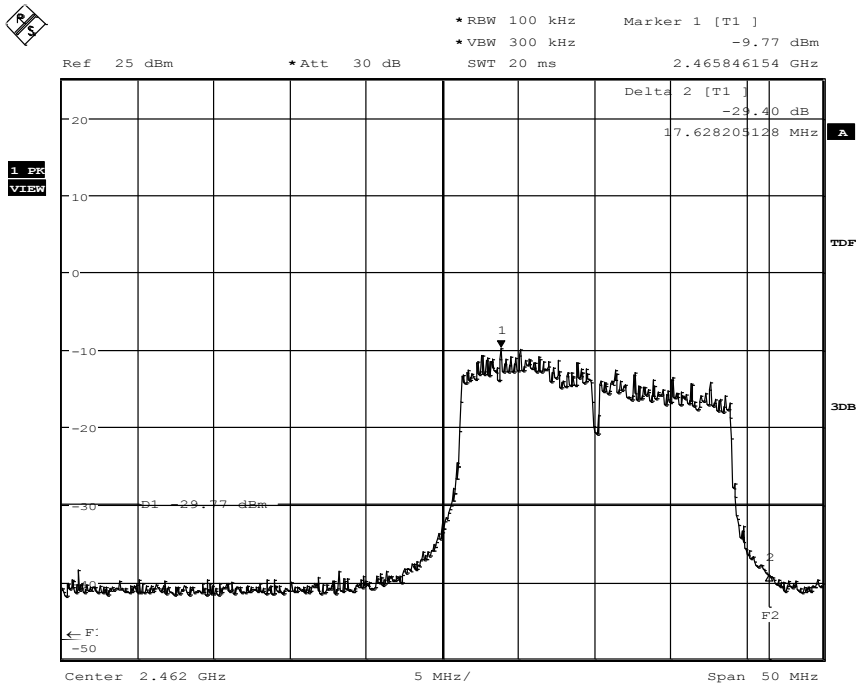
3.5.8.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 11:00:25

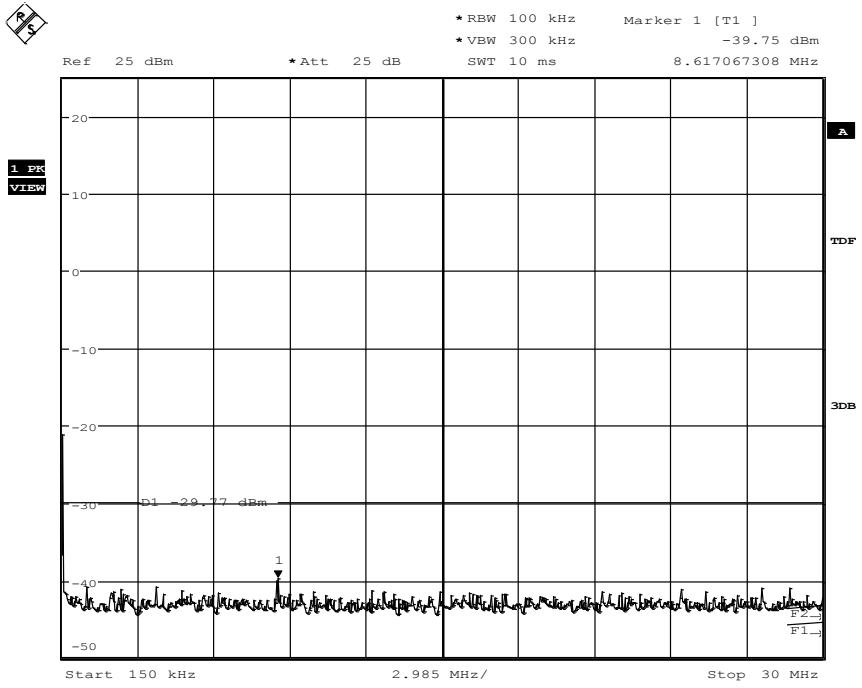
3.5.9. n-Mode Channel 13

3.5.9.1. Channel 13 Reference



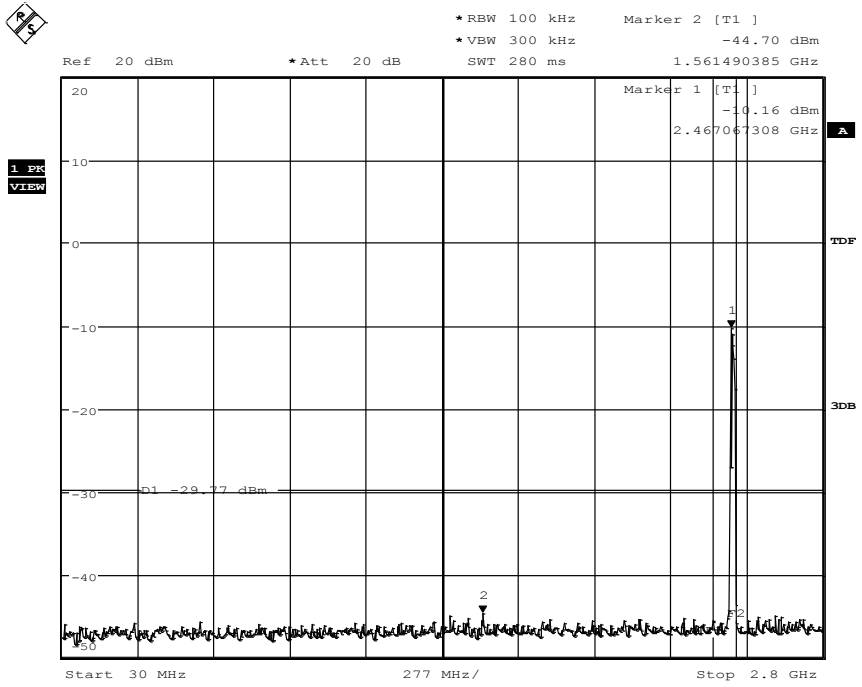
Date: 28.AUG.2015 10:31:42

3.5.9.2. Sweep 1: 150kHz to 30MHz



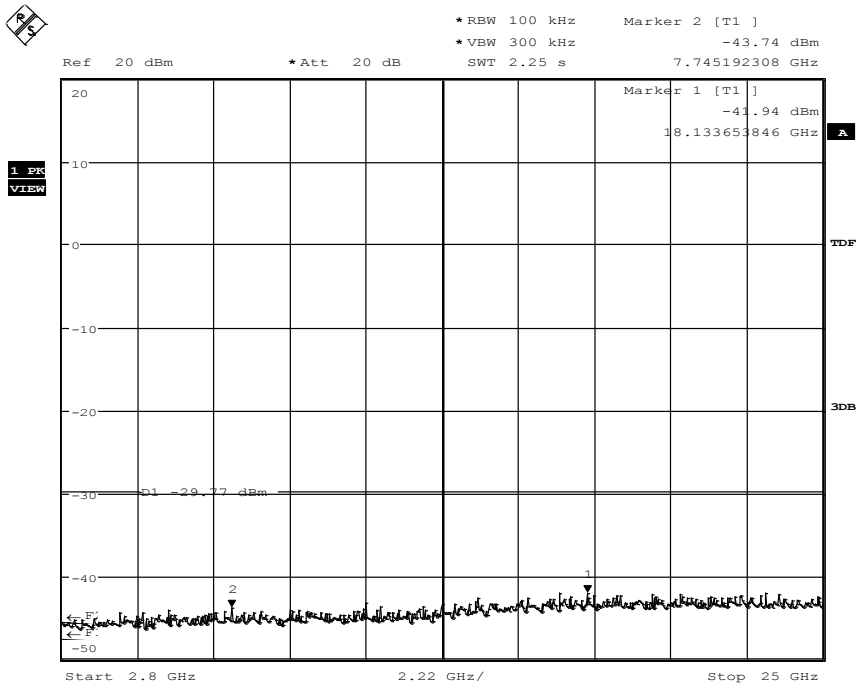
Date: 28.AUG.2015 10:34:28

3.5.9.3. Sweep 2: 30MHz to 2.8GHz



Date: 28.AUG.2015 10:40:45

3.5.9.4. Sweep 3: 2.8GHz to 25GHz



Date: 28.AUG.2015 10:44:56