Annex 1: Measurement diagrams to
T E S T R E P O R T
No.: 18-1-0010801T01a-C1

According to:
FCC Regulations
Part 15.205,
Part 15.209,
Part 15.247

for

Robert Bosch Car Multimedia GmbH

1-DIN TCC MID

FCC-ID: YBN-1DINTCCMID0

Laboratory Accreditation and Listings		
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
		MRA US-EU 0003
accredited according to DIN EN ISO/IEC 17025		

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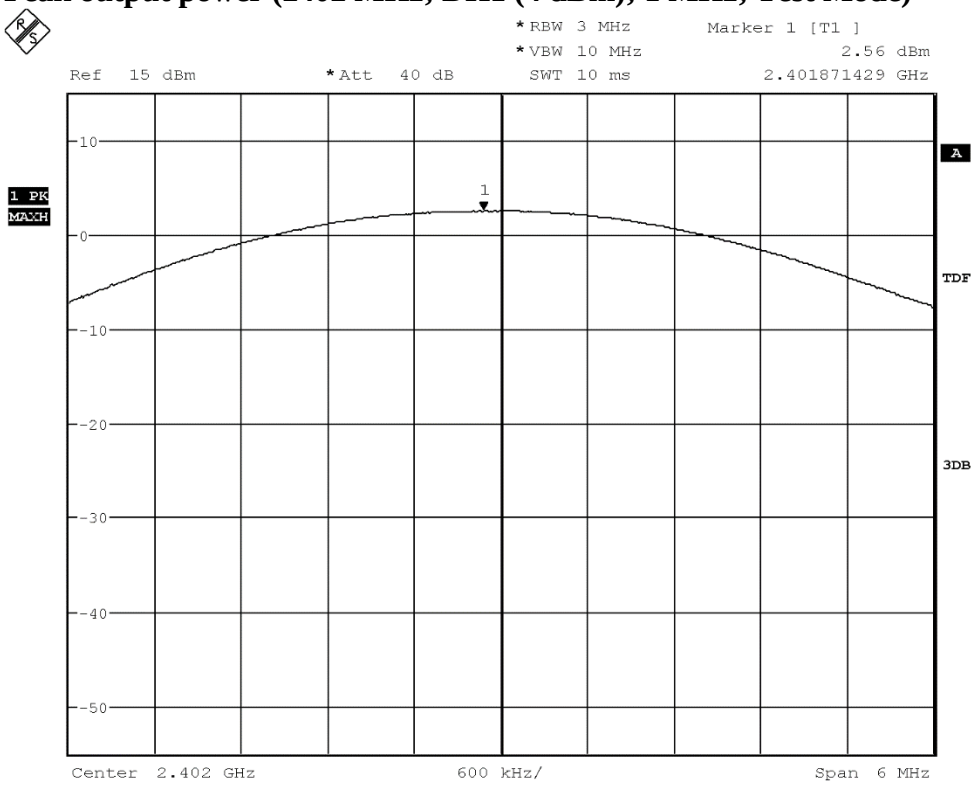
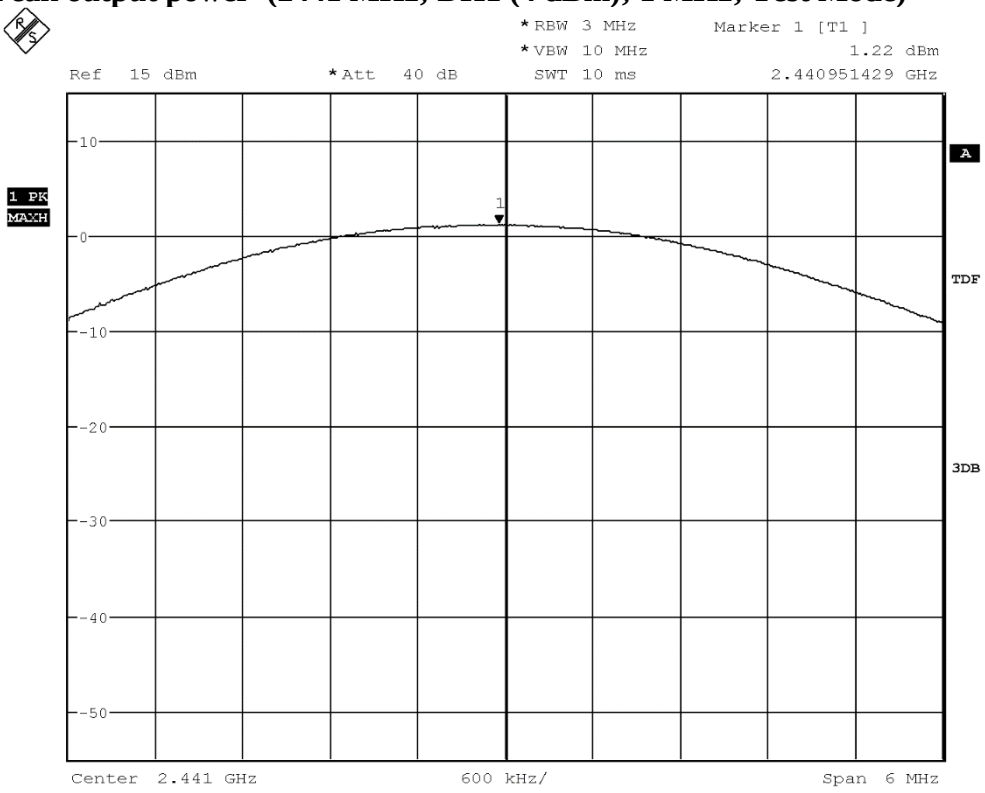
2. Conducted RF-measurements on antenna port

2.1. Conducted RF-power

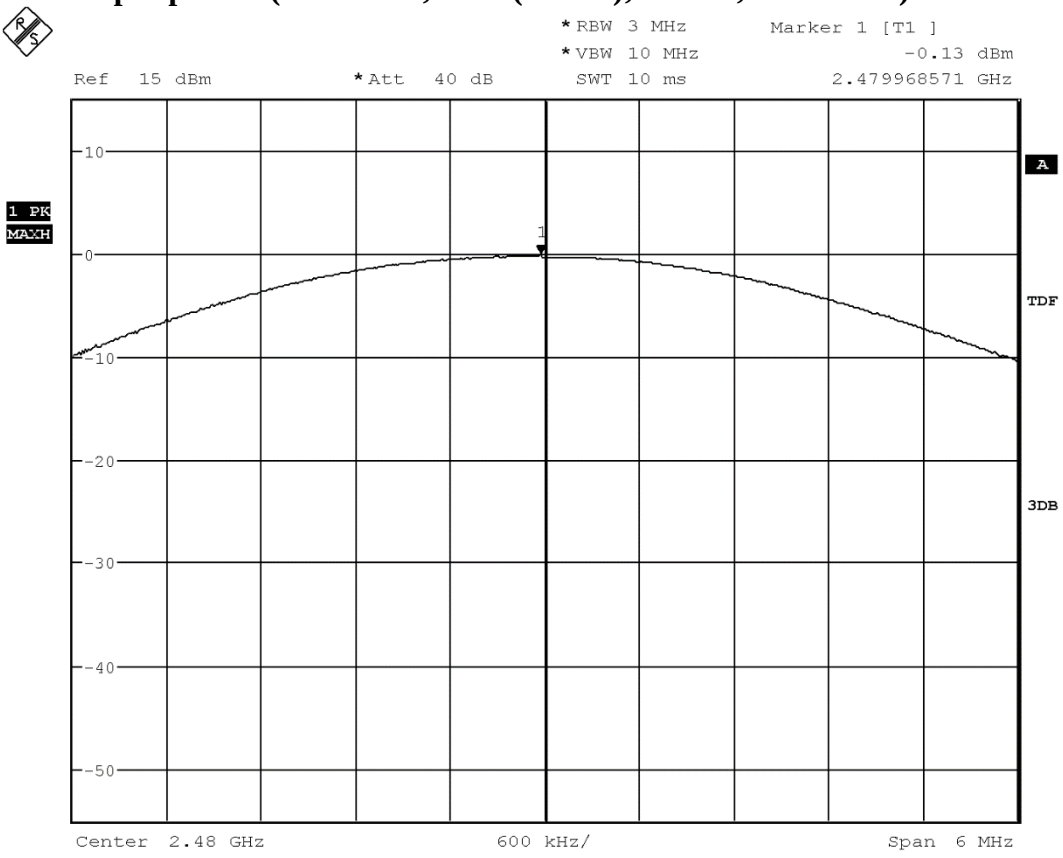
Peak output power (2402 MHz; DH1 (4 dBm); 1 MHz; Test Mode)



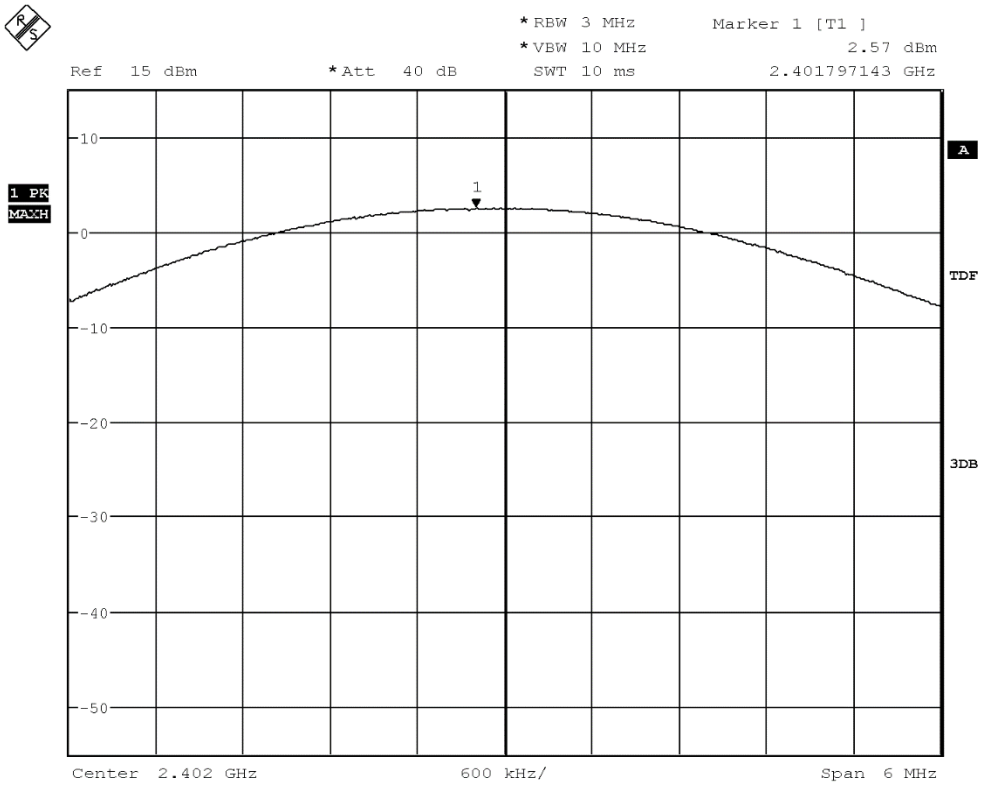
Peak output power (2441 MHz; DH1 (4 dBm); 1 MHz; Test Mode)



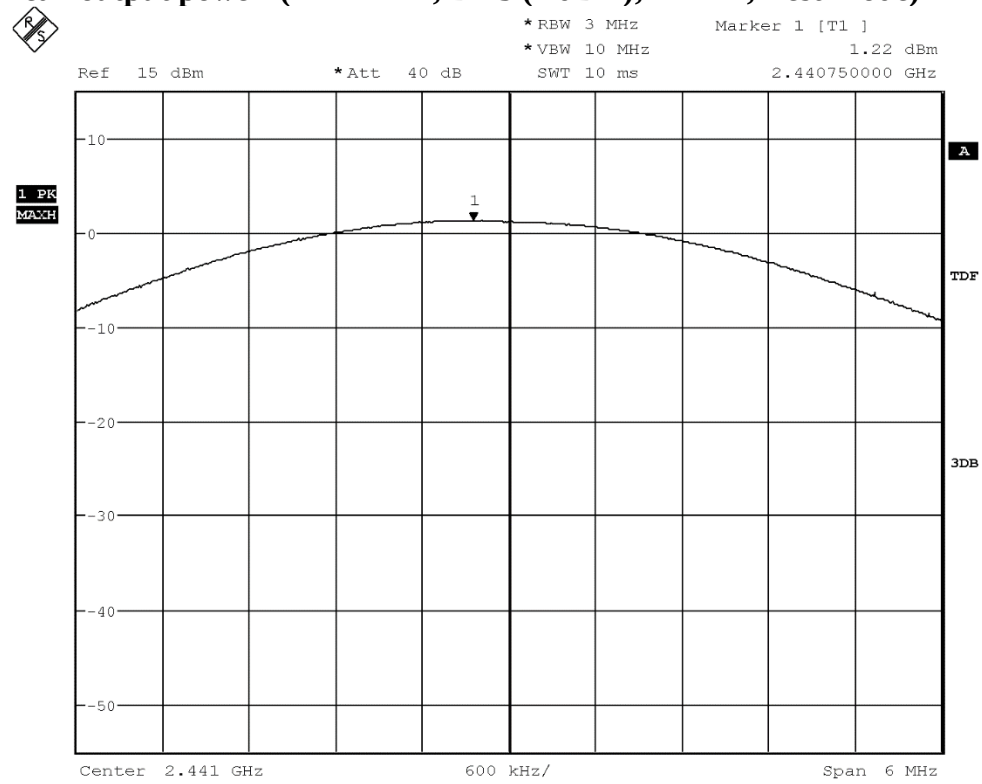
Peak output power (2480 MHz; DH1 (4 dBm); 1 MHz; Test Mode)



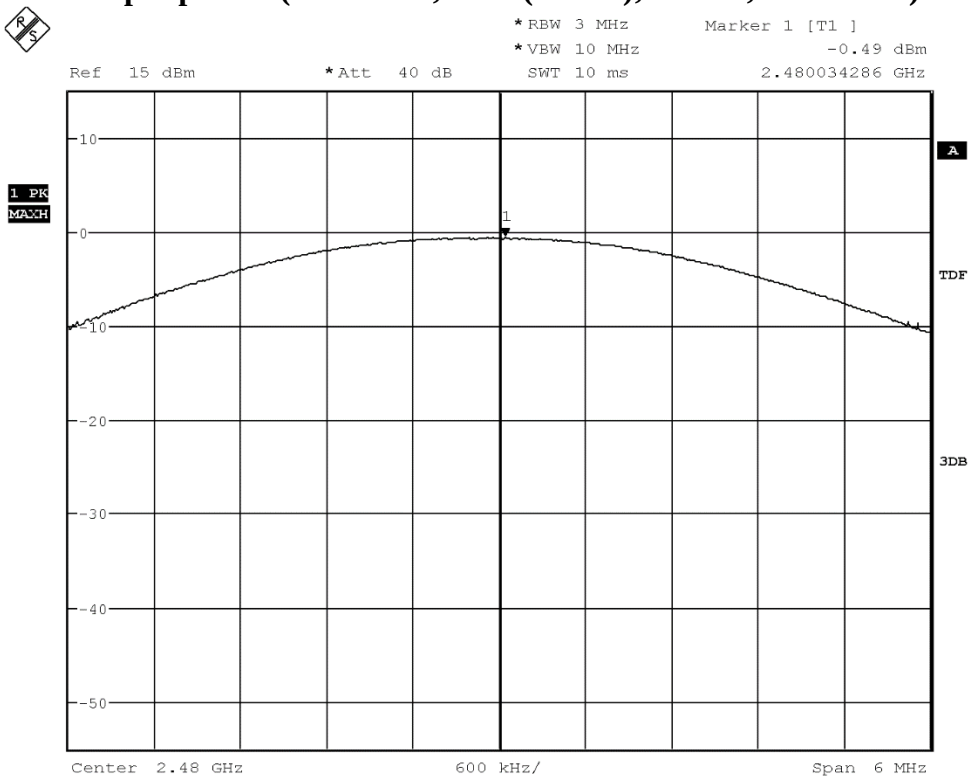
Peak output power (2402 MHz; DH5 (4 dBm); 1 MHz; Test Mode)



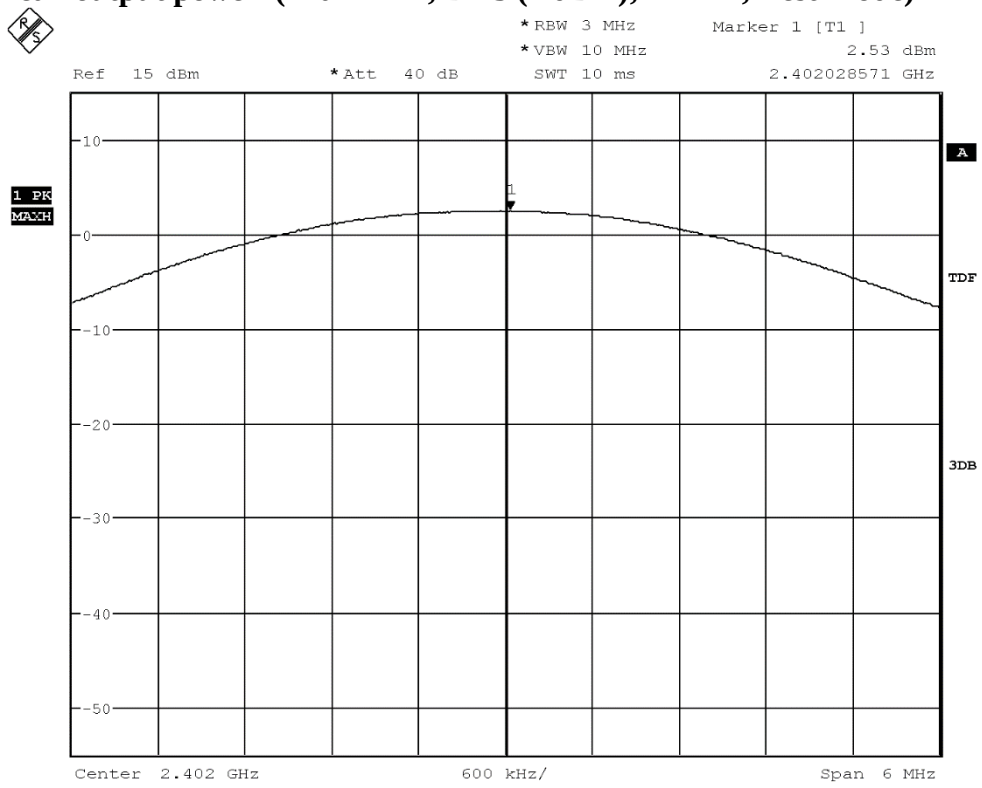
Peak output power (2441 MHz; DH5 (4 dBm); 1 MHz; Test Mode)



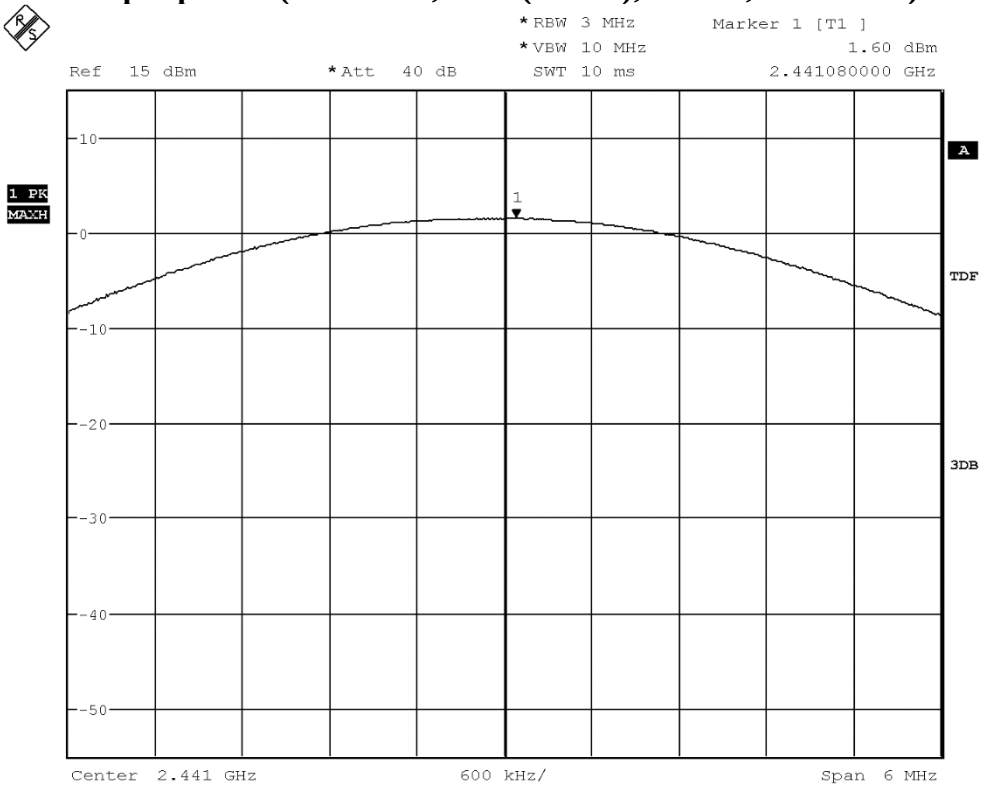
Peak output power (2480 MHz; DH5 (4 dBm); 1 MHz; Test Mode)



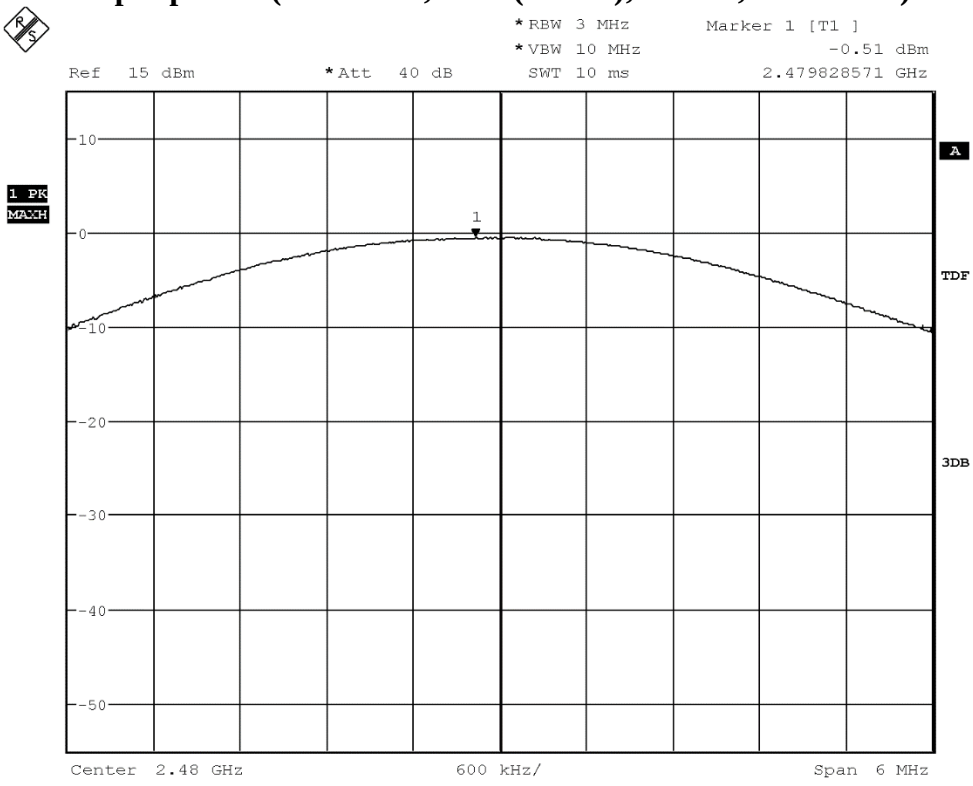
Peak output power (2402 MHz; DH3 (4 dBm); 1 MHz; Test Mode)



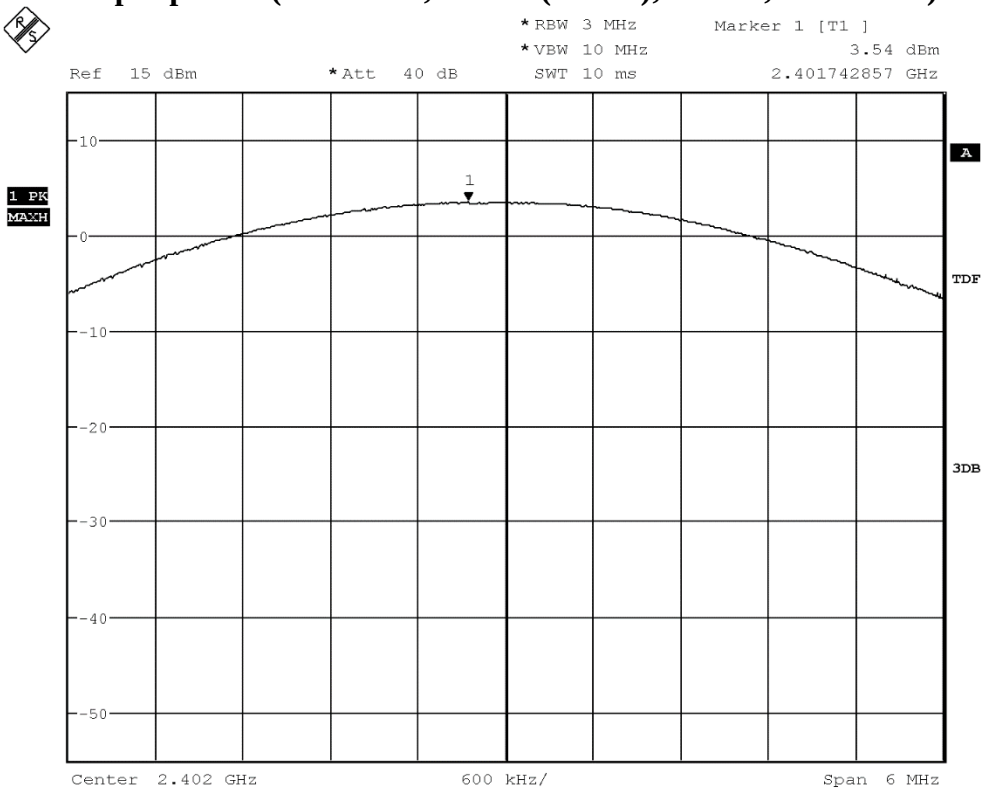
Peak output power (2441 MHz; DH3 (4 dBm); 1 MHz; Test Mode)



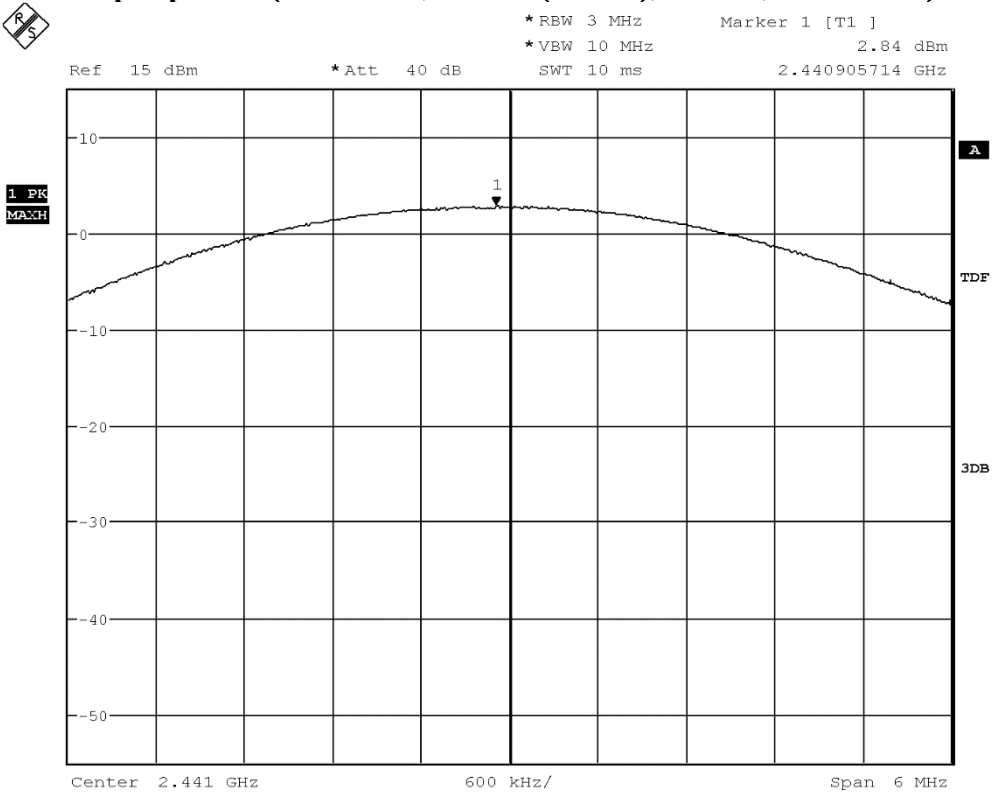
Peak output power (2480 MHz; DH3 (4 dBm); 1 MHz; Test Mode)



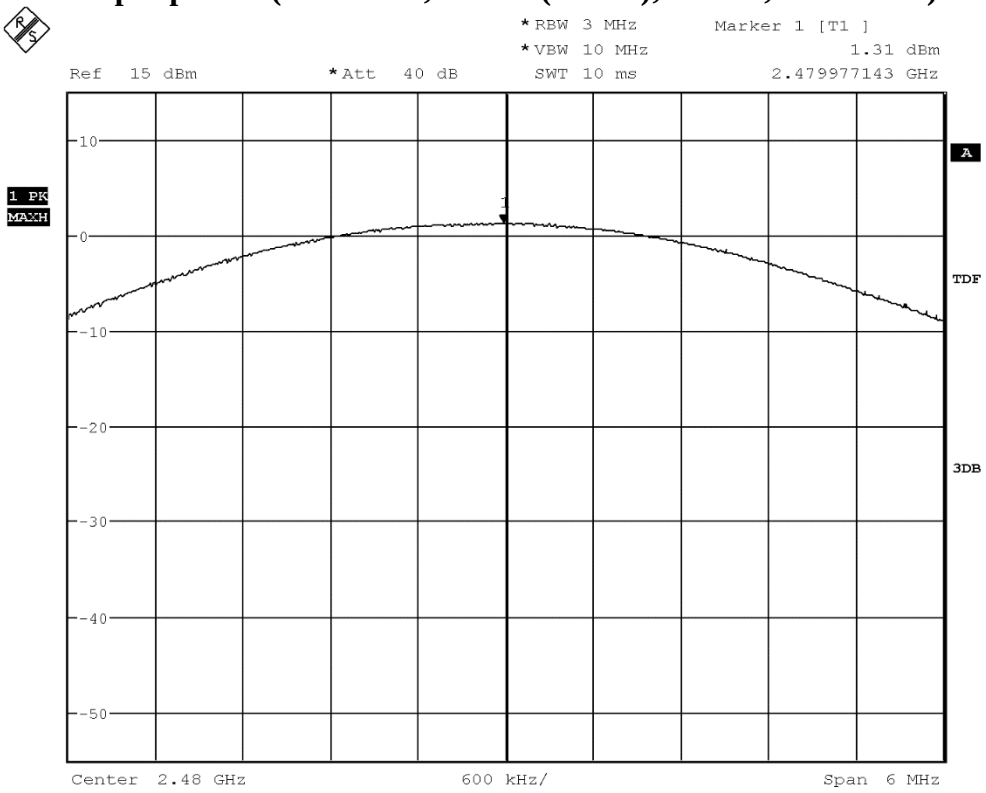
Peak output power (2402 MHz; 2-DH1 (4 dBm); 1 MHz; Test Mode)



Peak output power (2441 MHz; 2-DH1 (4 dBm); 1 MHz; Test Mode)



Peak output power (2480 MHz; 2-DH1 (4 dBm); 1 MHz; Test Mode)



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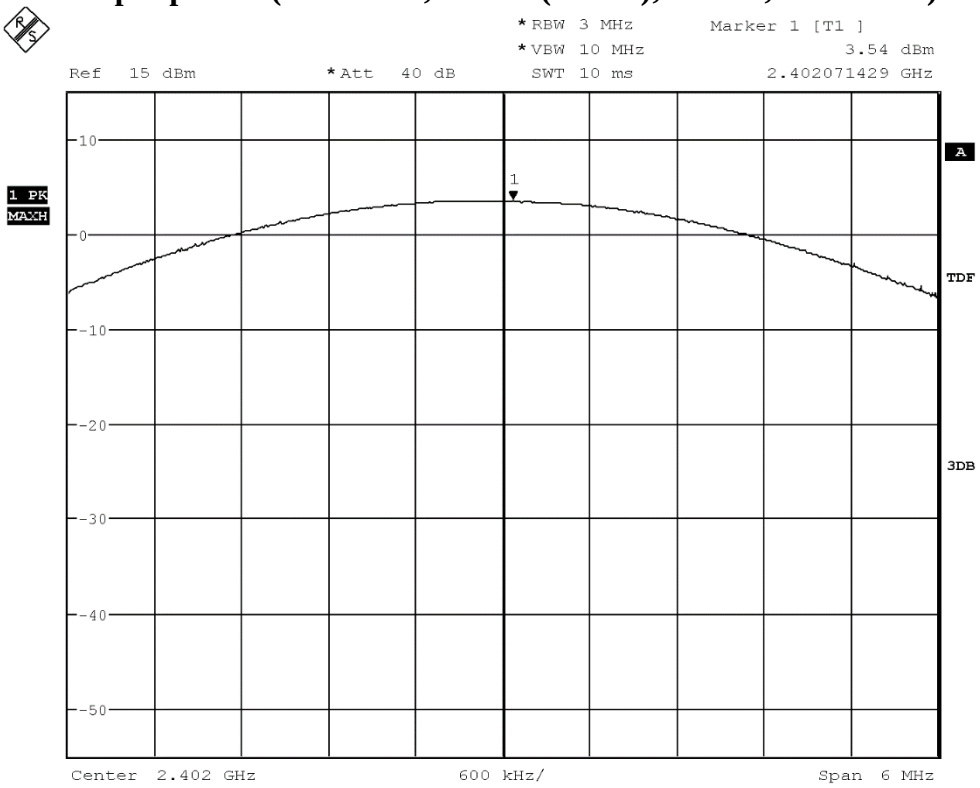
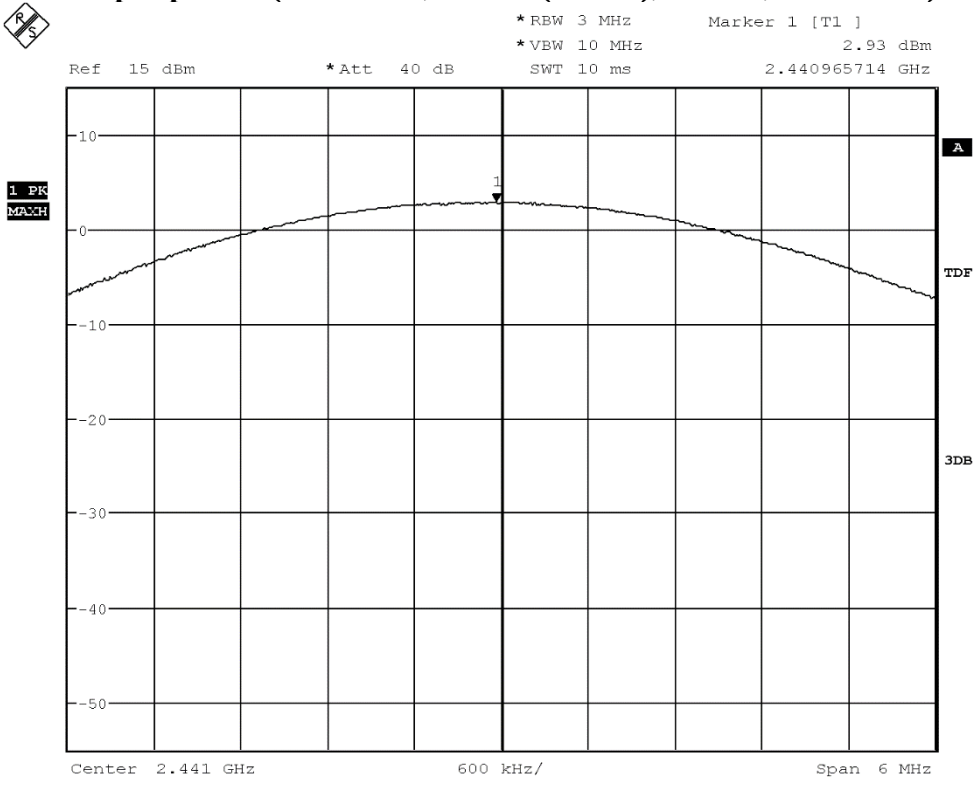
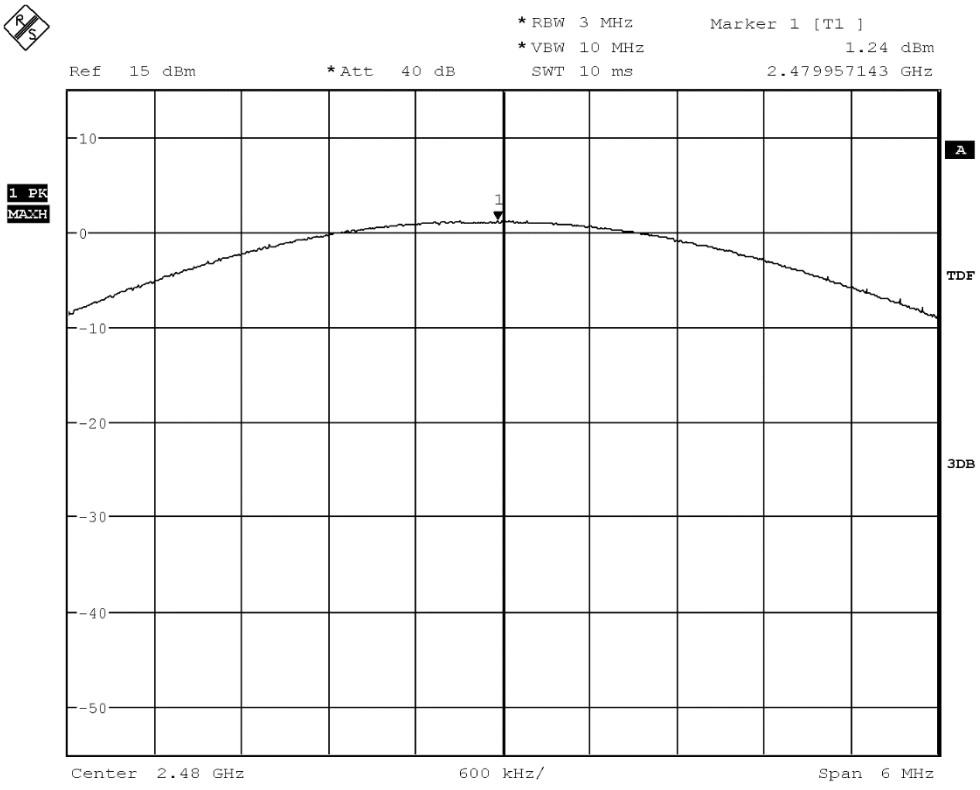


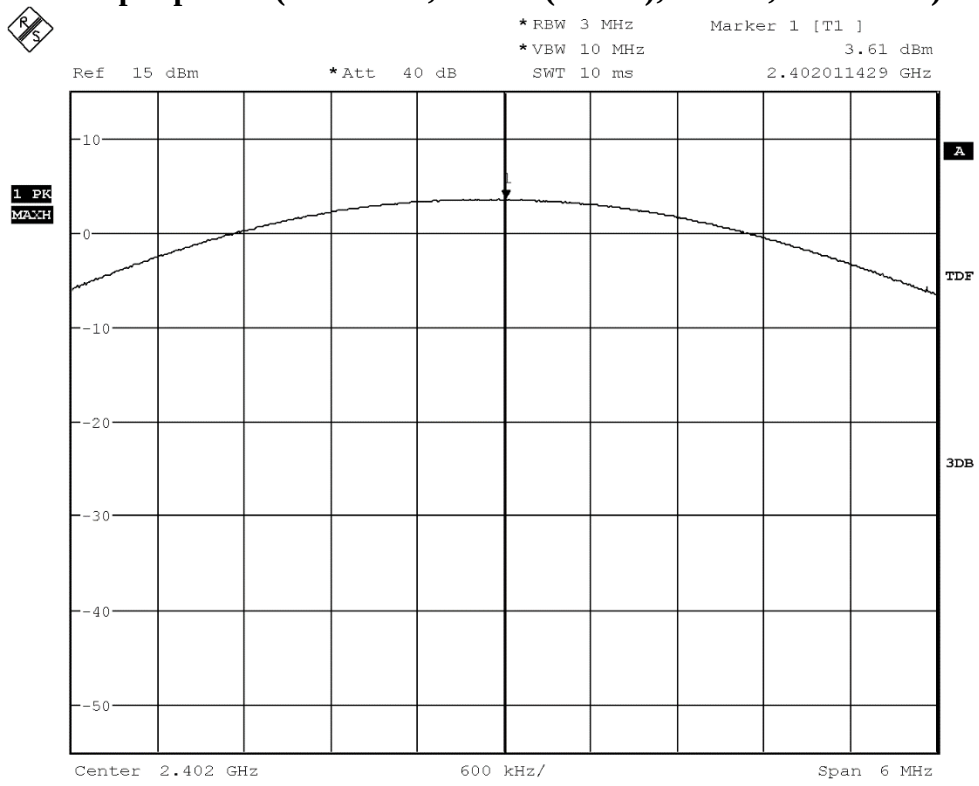
Peak output power (2441 MHz; 2-DH3 (4 dBm); 1 MHz; Test Mode)



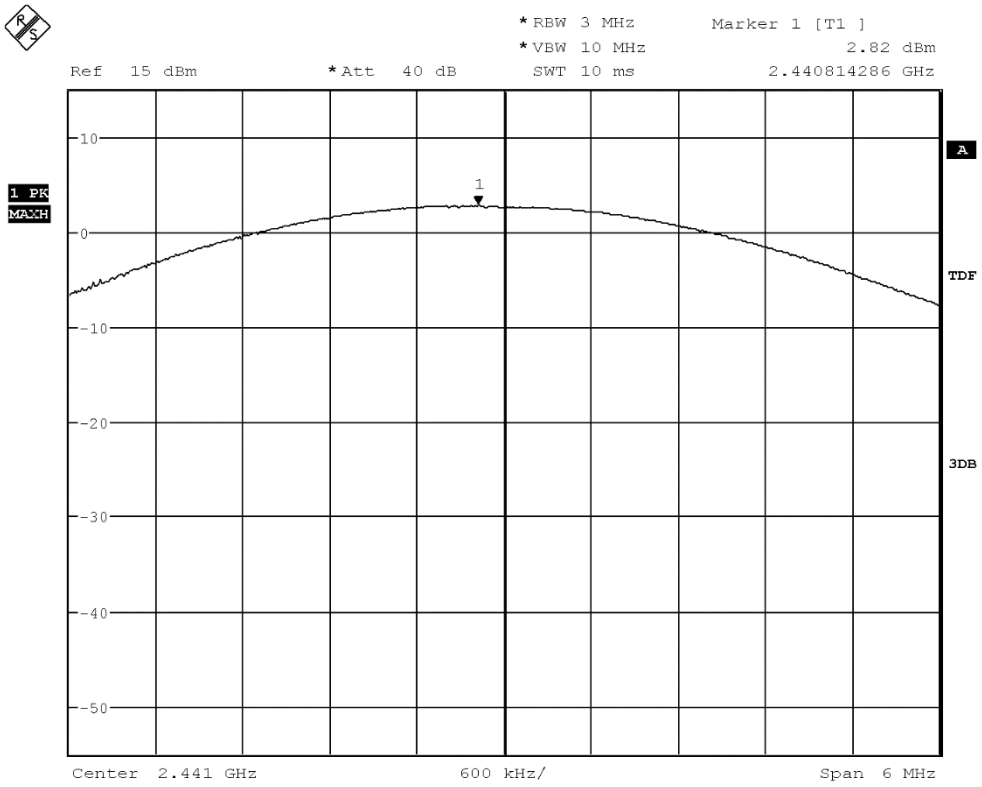
Peak output power (2480 MHz; 2-DH3 (4 dBm); 1 MHz; Test Mode)



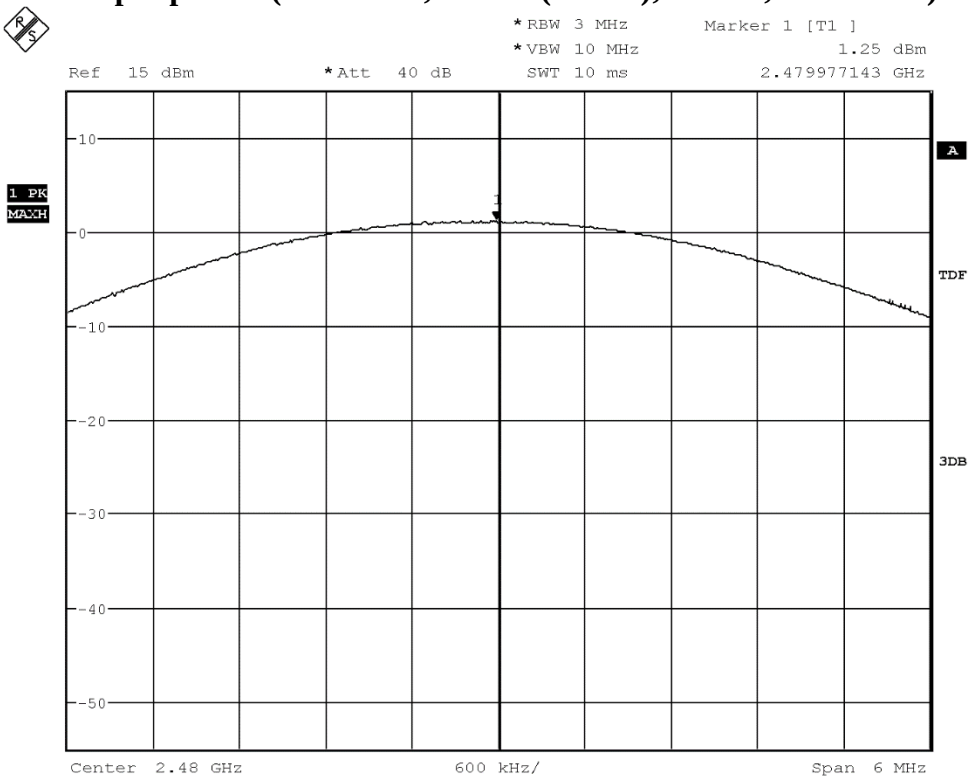
Peak output power (2402 MHz; 2-DH5 (4 dBm); 1 MHz; Test Mode)



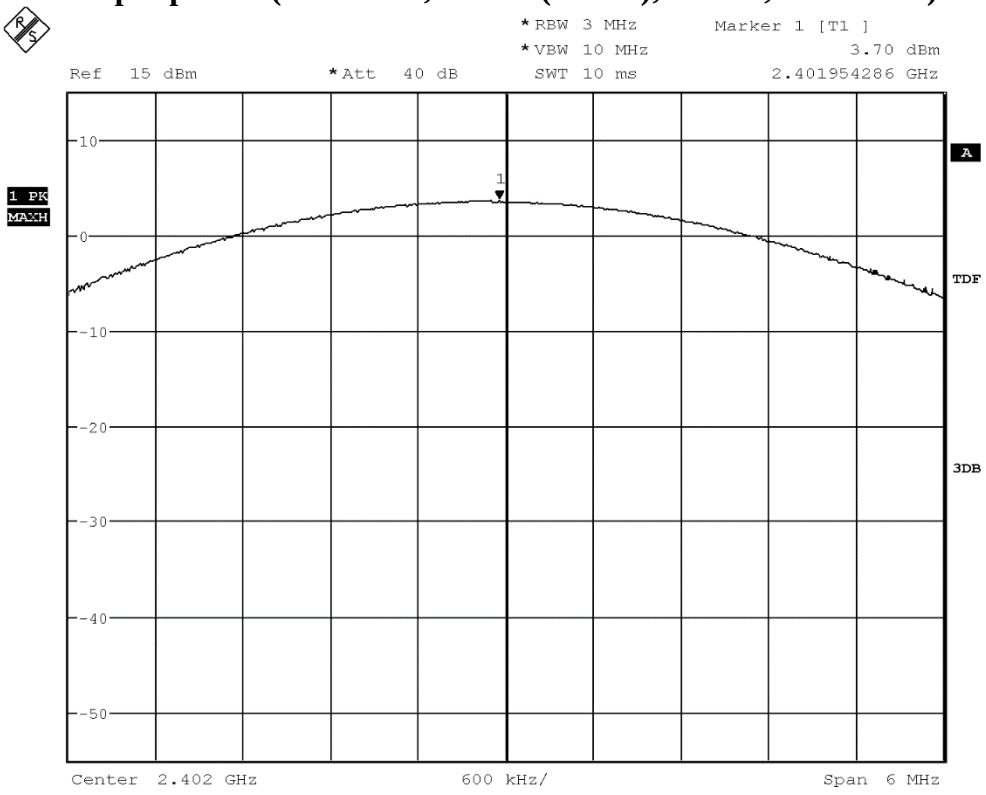
Peak output power (2441 MHz; 2-DH5 (4 dBm); 1 MHz; Test Mode)



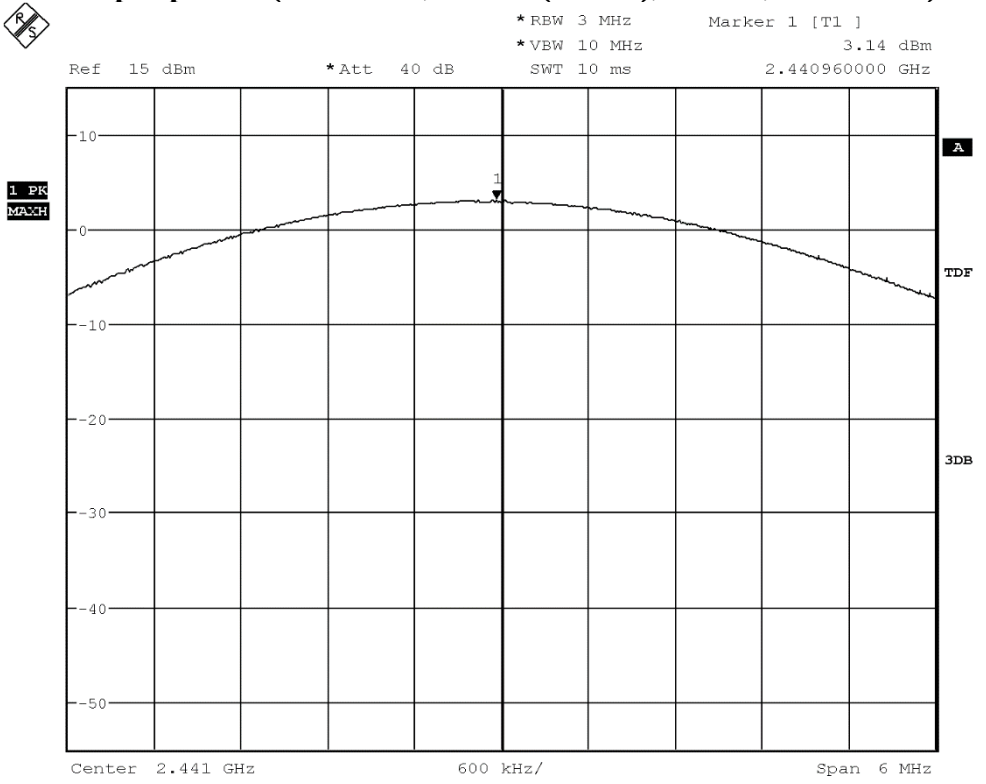
Peak output power (2480 MHz; 2-DH5 (4 dBm); 1 MHz; Test Mode)



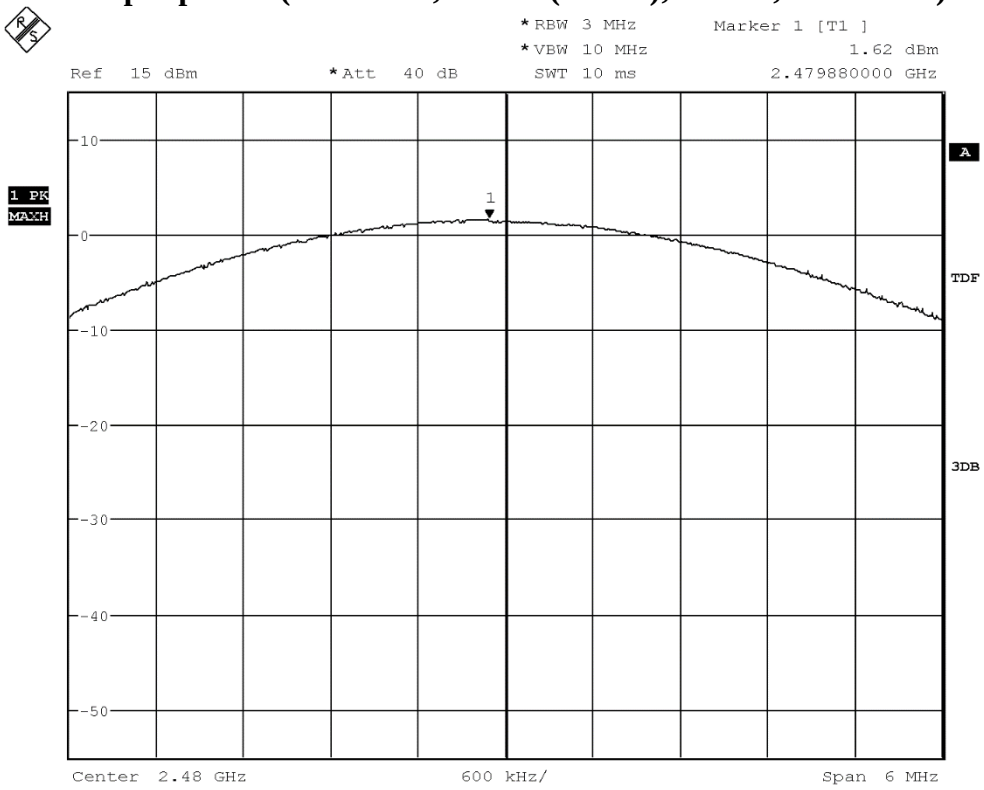
Peak output power (2402 MHz; 3-DH1 (4 dBm); 1 MHz; Test Mode)



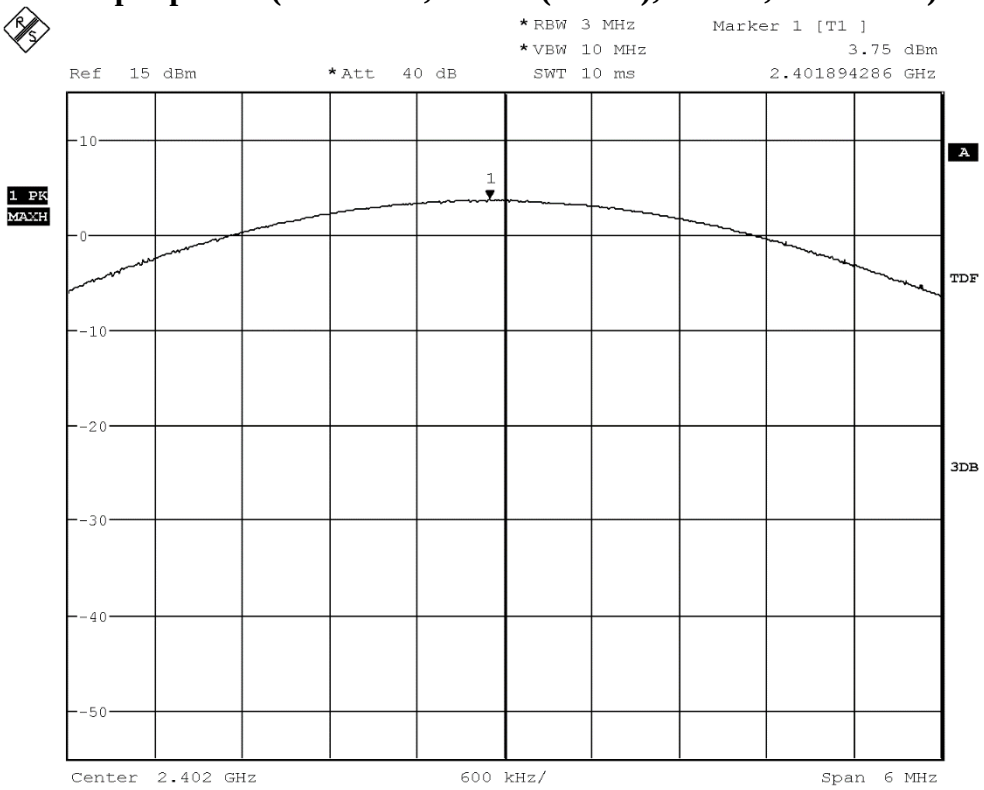
Peak output power (2441 MHz; 3-DH1 (4 dBm); 1 MHz; Test Mode)



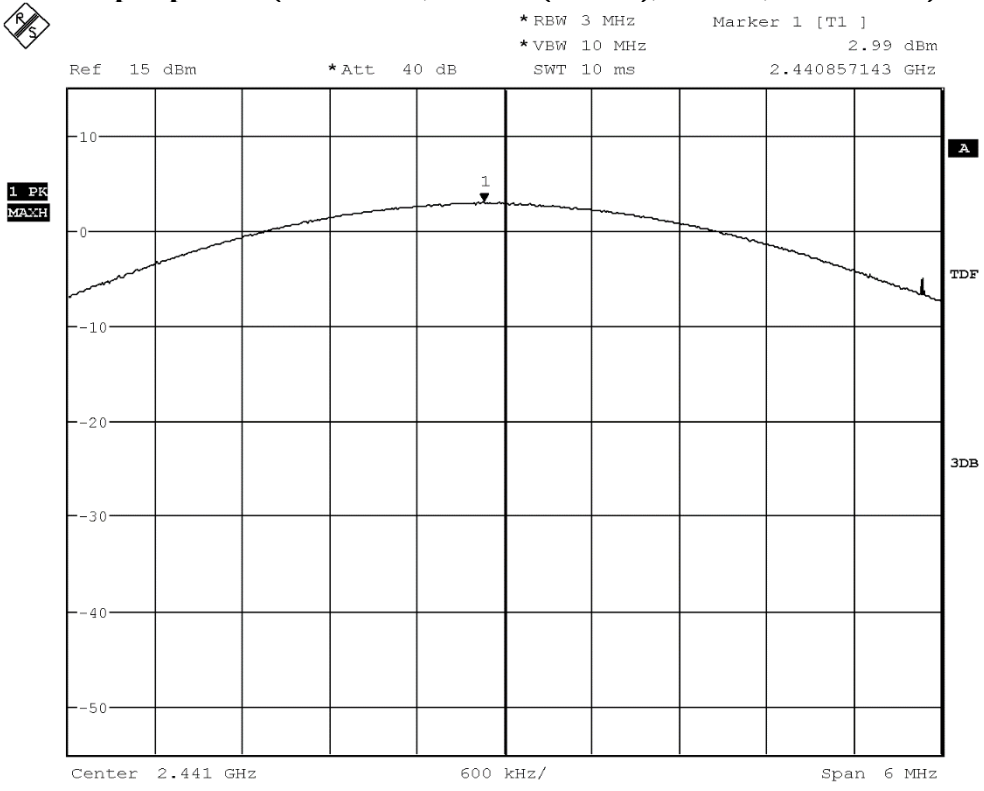
Peak output power (2480 MHz; 3-DH1 (4 dBm); 1 MHz; Test Mode)



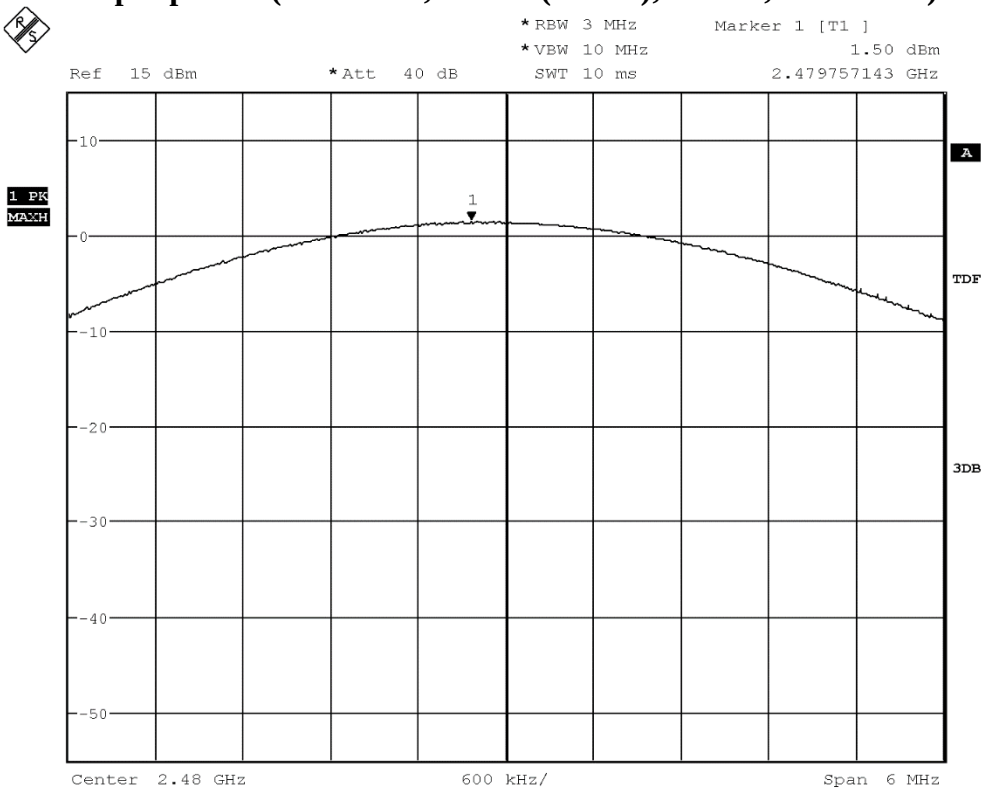
Peak output power (2402 MHz; 3-DH3 (4 dBm); 1 MHz; Test Mode)



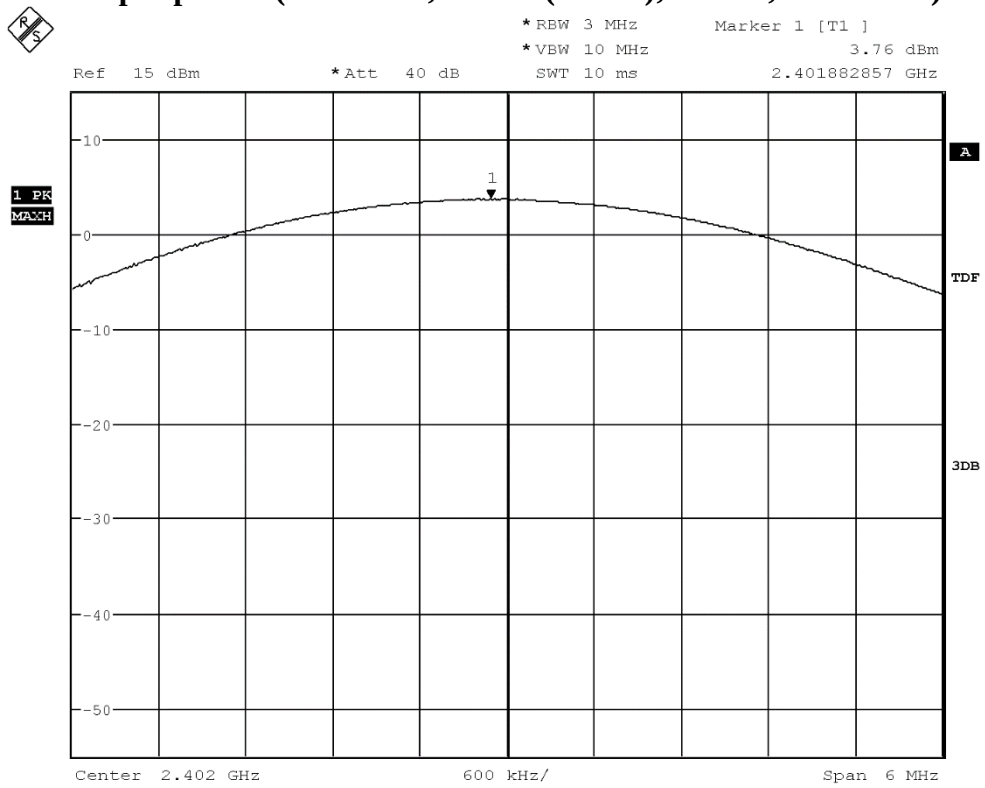
Peak output power (2441 MHz; 3-DH3 (4 dBm); 1 MHz; Test Mode)



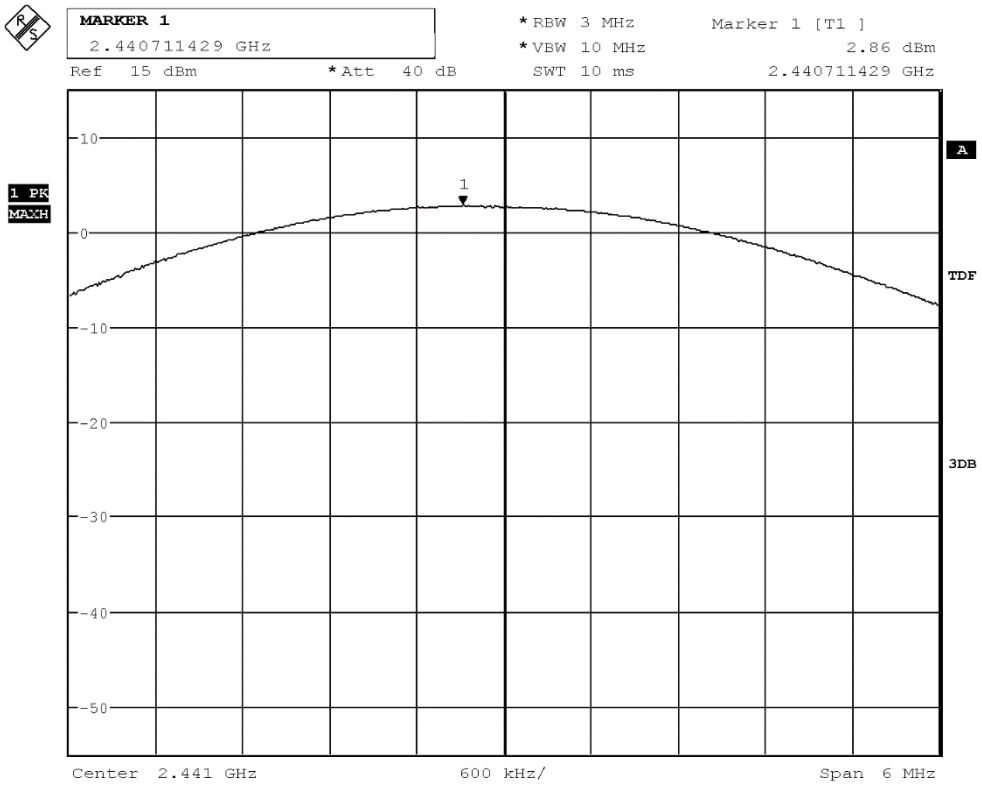
Peak output power (2480 MHz; 3-DH3 (4 dBm); 1 MHz; Test Mode)



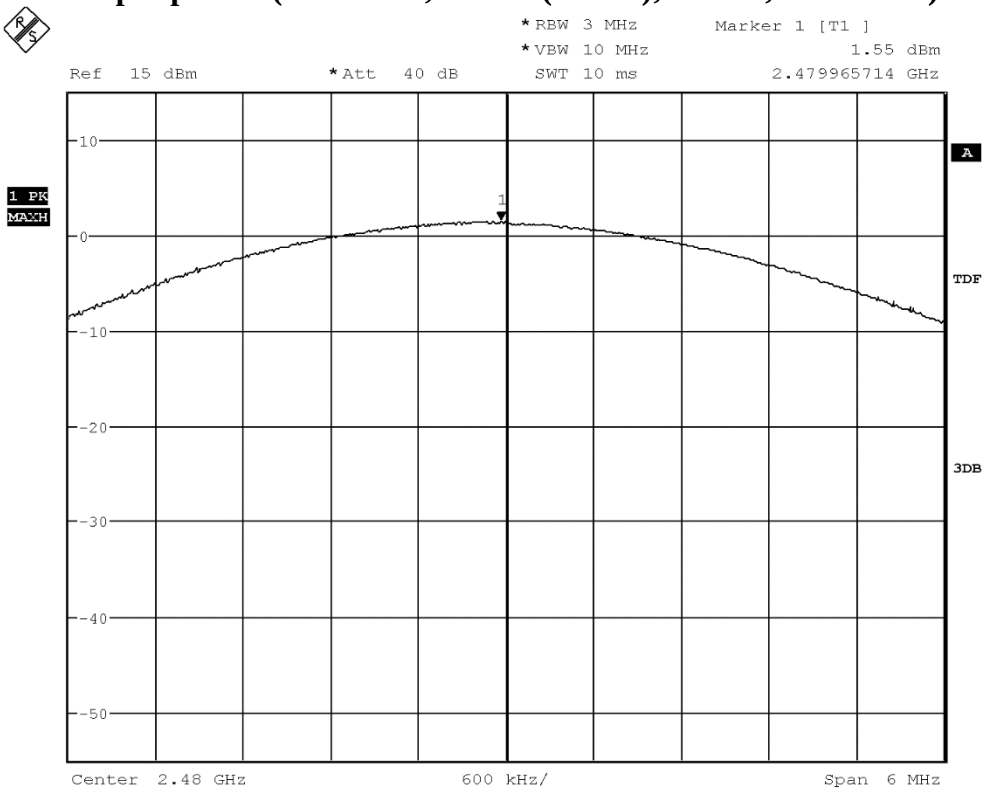
Peak output power (2402 MHz; 3-DH5 (4 dBm); 1 MHz; Test Mode)



Peak output power (2441 MHz; 3-DH5 (4 dBm); 1 MHz; Test Mode)

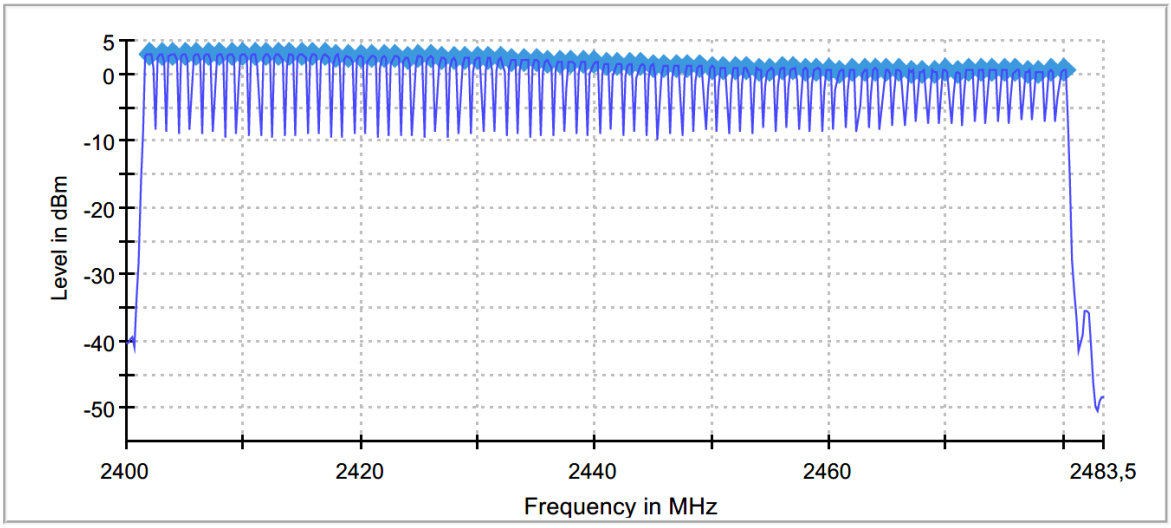


Peak output power (2480 MHz; 3-DH5 (4 dBm); 1 MHz; Test Mode)



2.2. Number of Hopping frequencies

2.4GHz band - DH5 data rate:



2.3. 20 dB emission bandwidth

Emission Bandwidth 20 dB (2402 MHz; DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

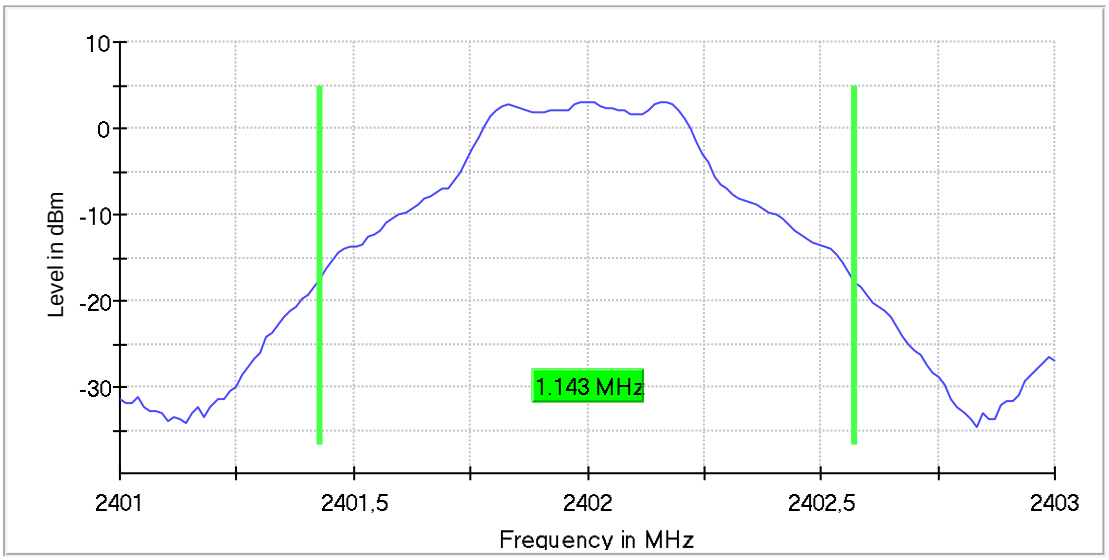
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.142858	---	---	2401.428571	2402.571429

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	3.0	PASS



Bandwidth

Emission Bandwidth 20 dB (2441 MHz; DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

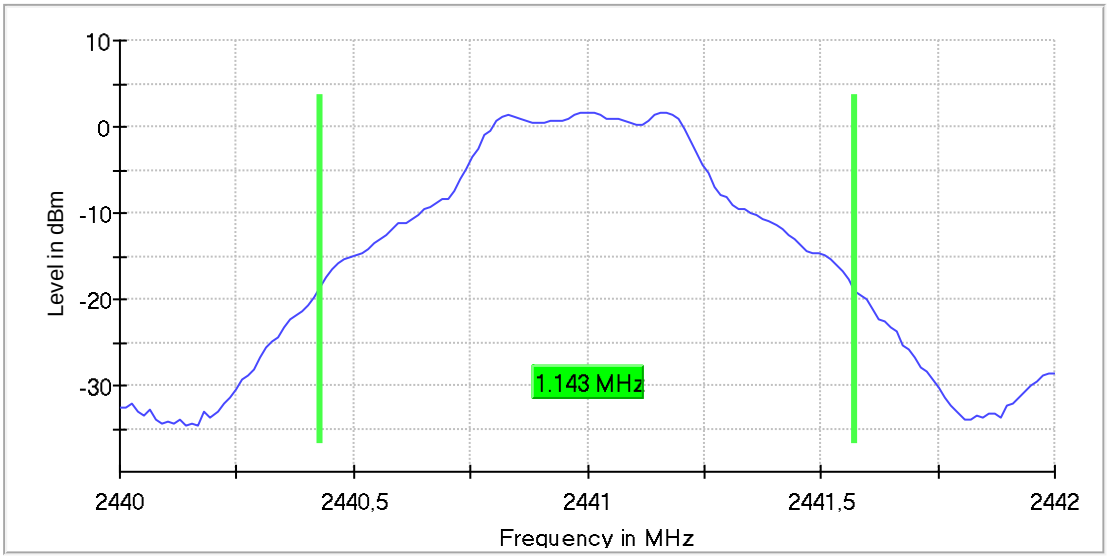
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.142858	---	---	2440.428571	2441.571429

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	1.6	PASS



Bandwidth

Emission Bandwidth 20 dB (2480 MHz; DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

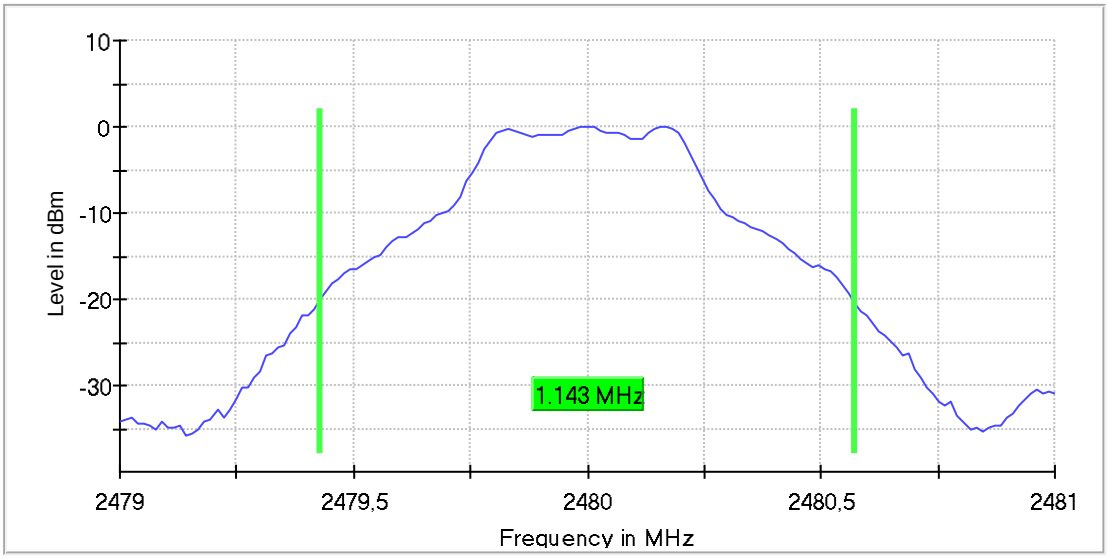
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.142858	---	---	2479.428571	2480.571429

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	0.0	PASS



Bandwidth

Emission Bandwidth 20 dB (2402 MHz; 2DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

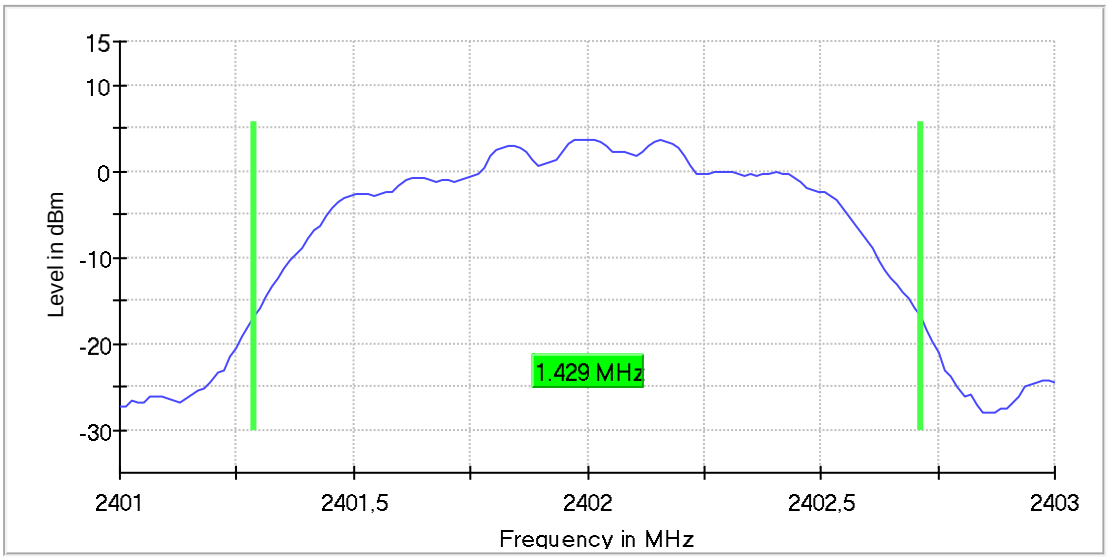
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.428572	---	---	2401.285714	2402.714286

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	3.7	PASS



Bandwidth

Emission Bandwidth 20 dB (2441 MHz; 2DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

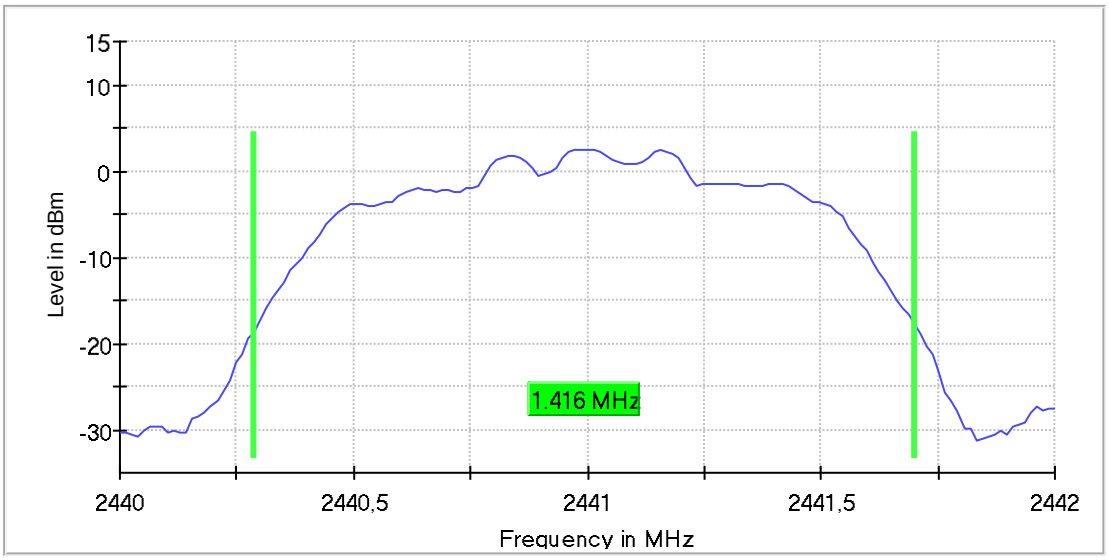
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.415585	---	---	2440.285714	2441.701299

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	2.5	PASS



Bandwidth

Emission Bandwidth 20 dB (2480 MHz; 2DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

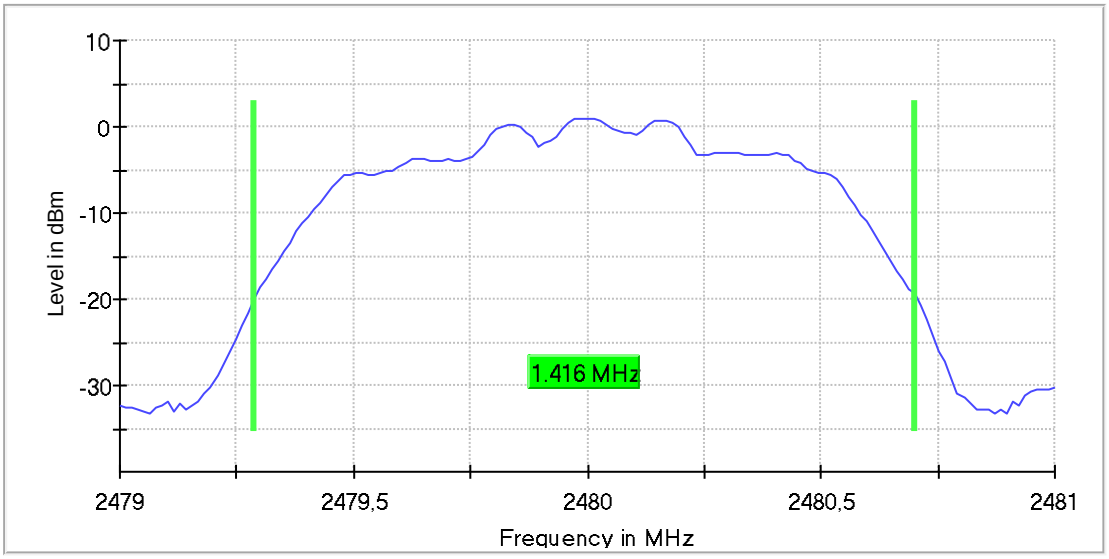
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.415585	---	---	2479.285714	2480.701299

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	1.0	PASS



Bandwidth

Emission Bandwidth 20 dB (2402 MHz; 3DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

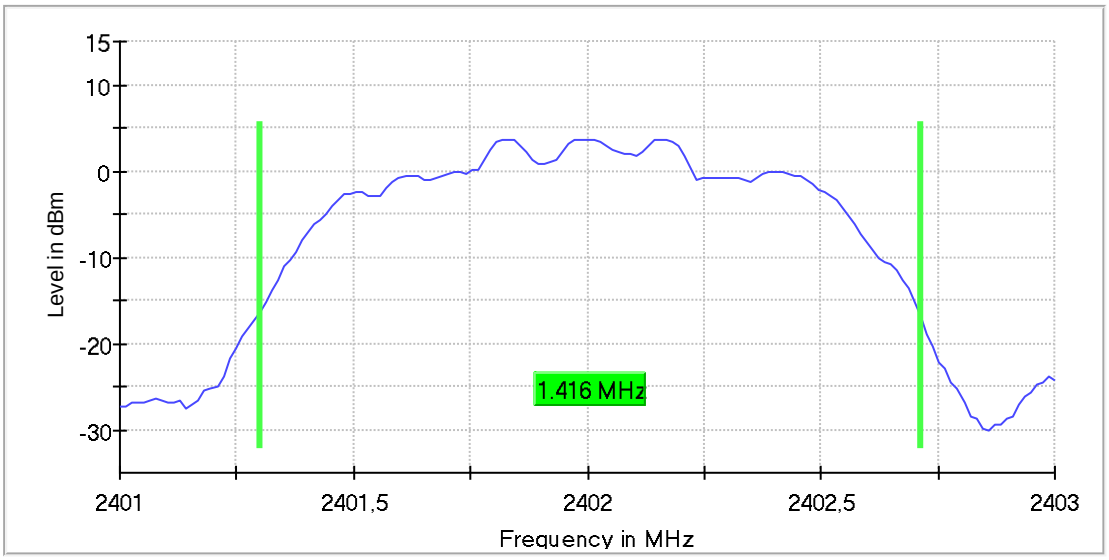
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2402.000000	1.415585	---	---	2401.298701	2402.714286

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2402.000000	3.7	PASS



Bandwidth

Emission Bandwidth 20 dB (2441 MHz; 3DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

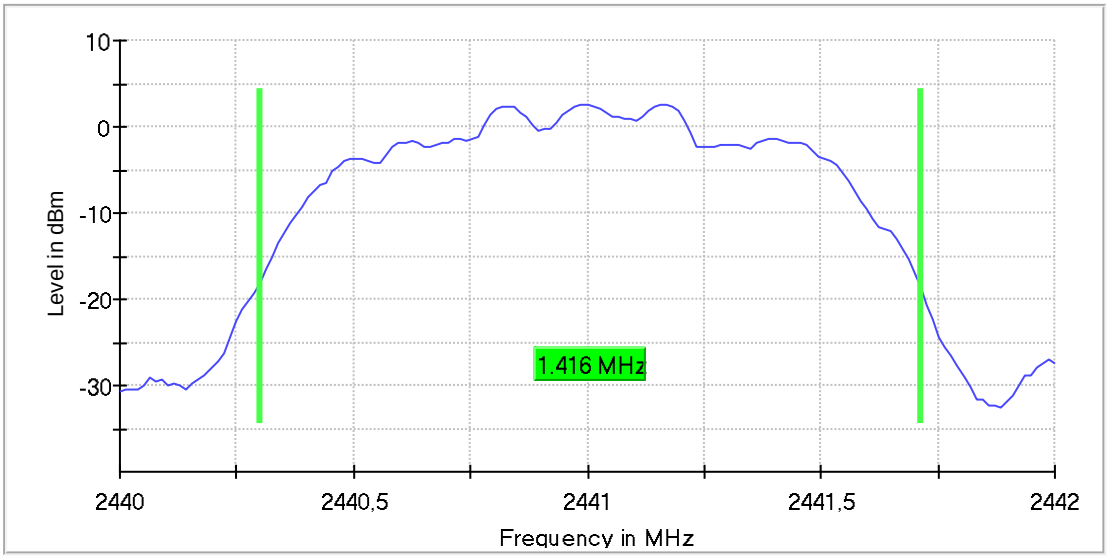
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2441.000000	1.415585	---	---	2440.298701	2441.714286

(continuation of the "20 dB Bandwidth" table from column 6 ...)

DUT Frequency (MHz)	Max Level (dBm)	Result
2441.000000	2.5	PASS



Bandwidth

Emission Bandwidth 20 dB (2480 MHz; 3DH5 (4 dBm); 1 MHz; Test Mode)

Test according to FCC title 47 part 15 §15.247(a), KDB 558074 D01 DTS Meas Guidance v04 and ANSI C63.10

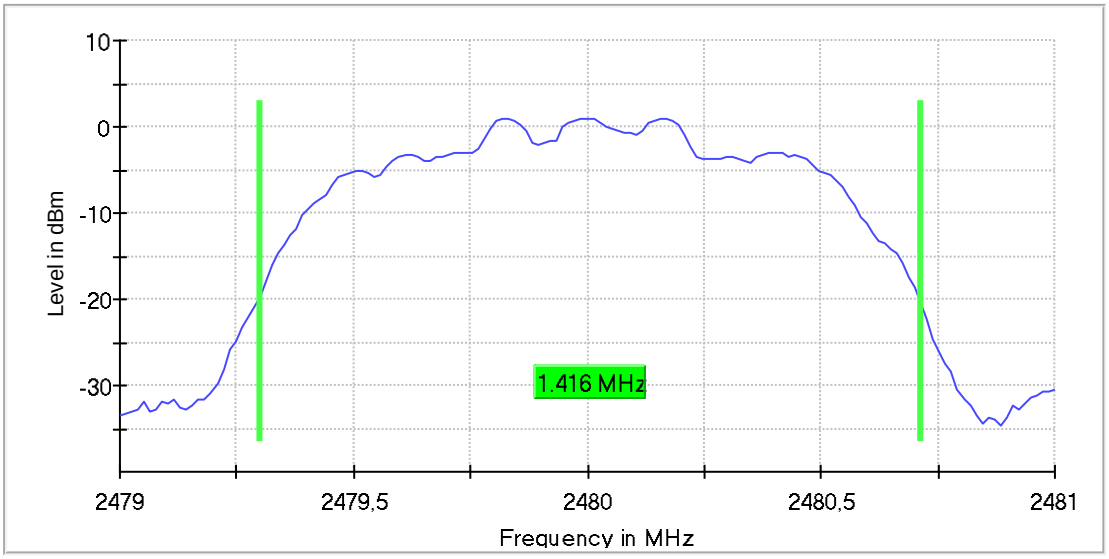
Measurement uncertainty calculated in accordance with ETSI TR 100 028-1.
Expanded Uncertainty (K=2) < 2%

20 dB Bandwidth

DUT Frequency (MHz)	Bandwidth (MHz)	Limit Min (MHz)	Limit Max (MHz)	Band Edge Left (MHz)	Band Edge Right (MHz)
2480.000000	1.415585	---	---	2479.298701	2480.714286

(continuation of the "20 dB Bandwidth" table from column 6 ...)

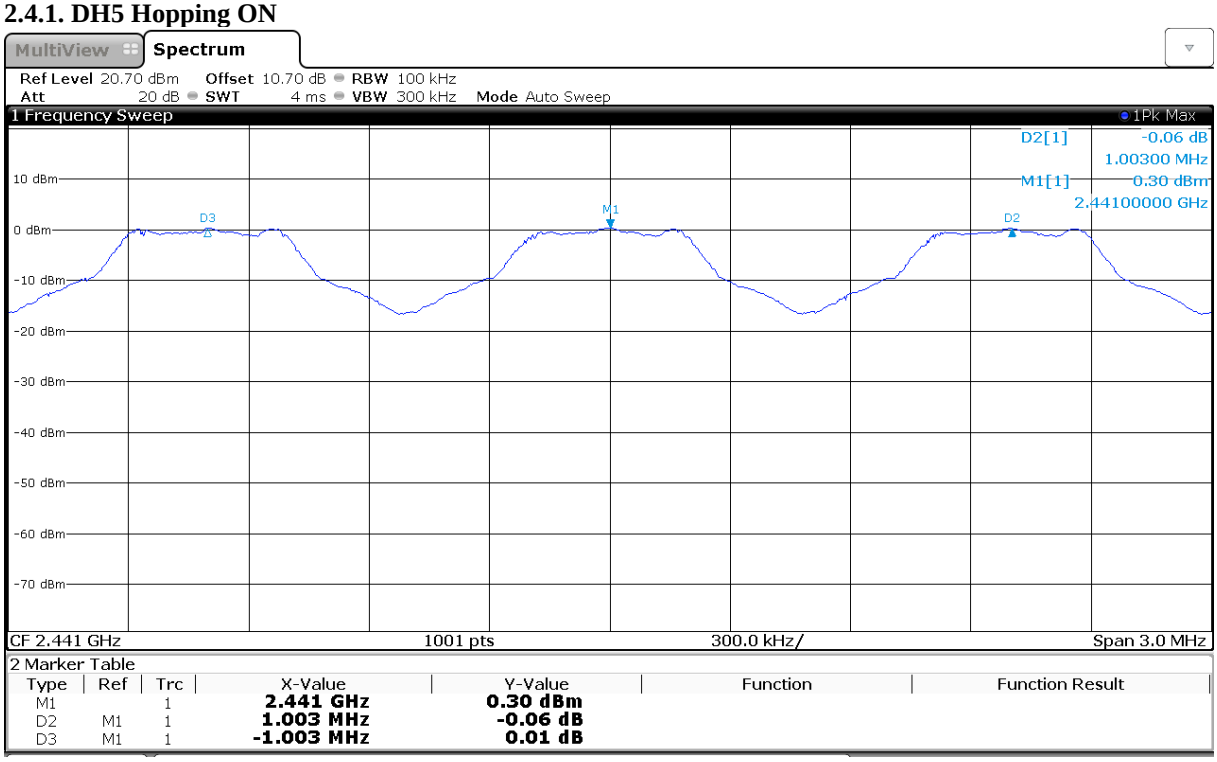
DUT Frequency (MHz)	Max Level (dBm)	Result
2480.000000	1.0	PASS



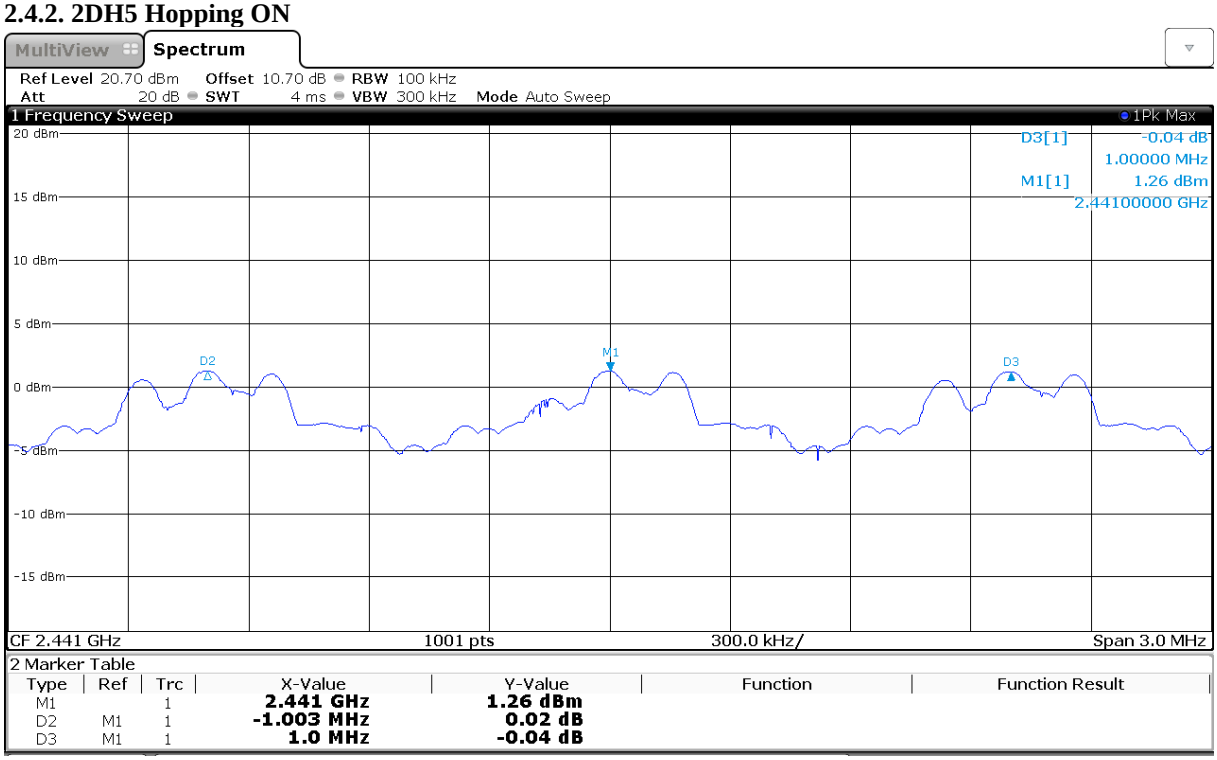
Bandwidth

2.4. Carrier Frequency Separation - CH39

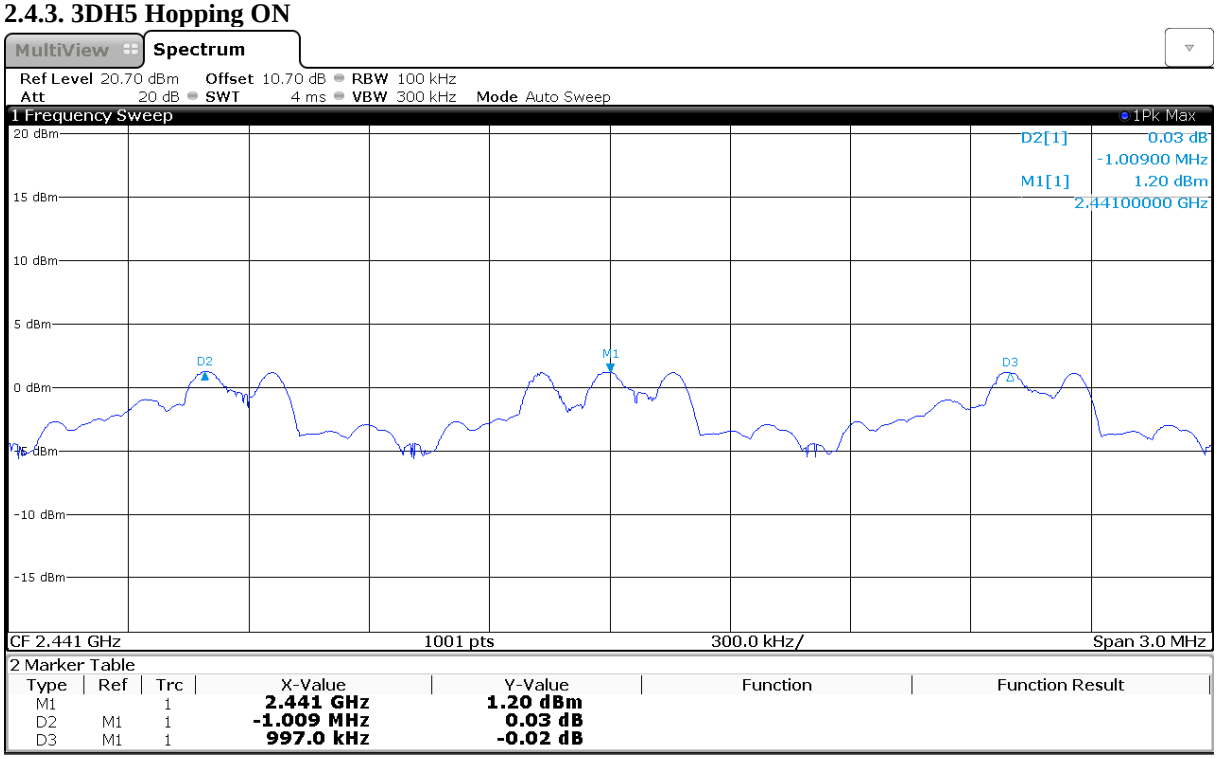
2.4.1. DH5 Hopping ON



2.4.2. 2DH5 Hopping ON

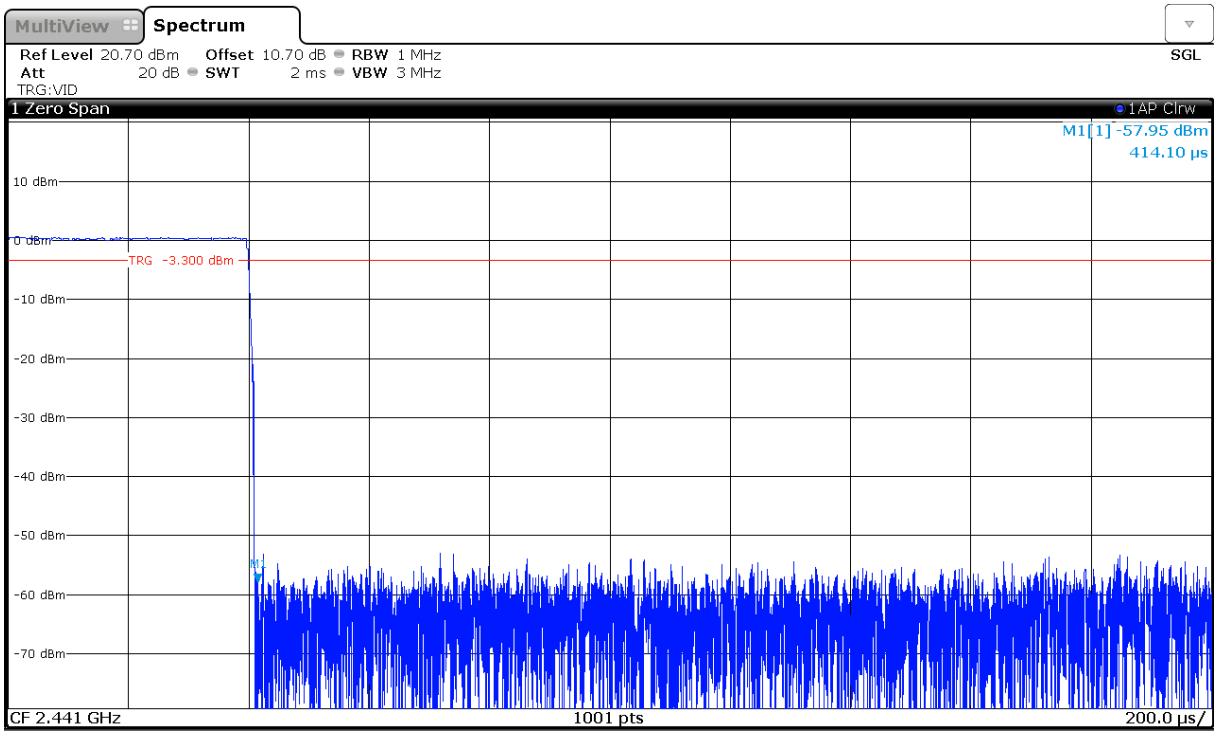


2.4.3. 3DH5 Hopping ON

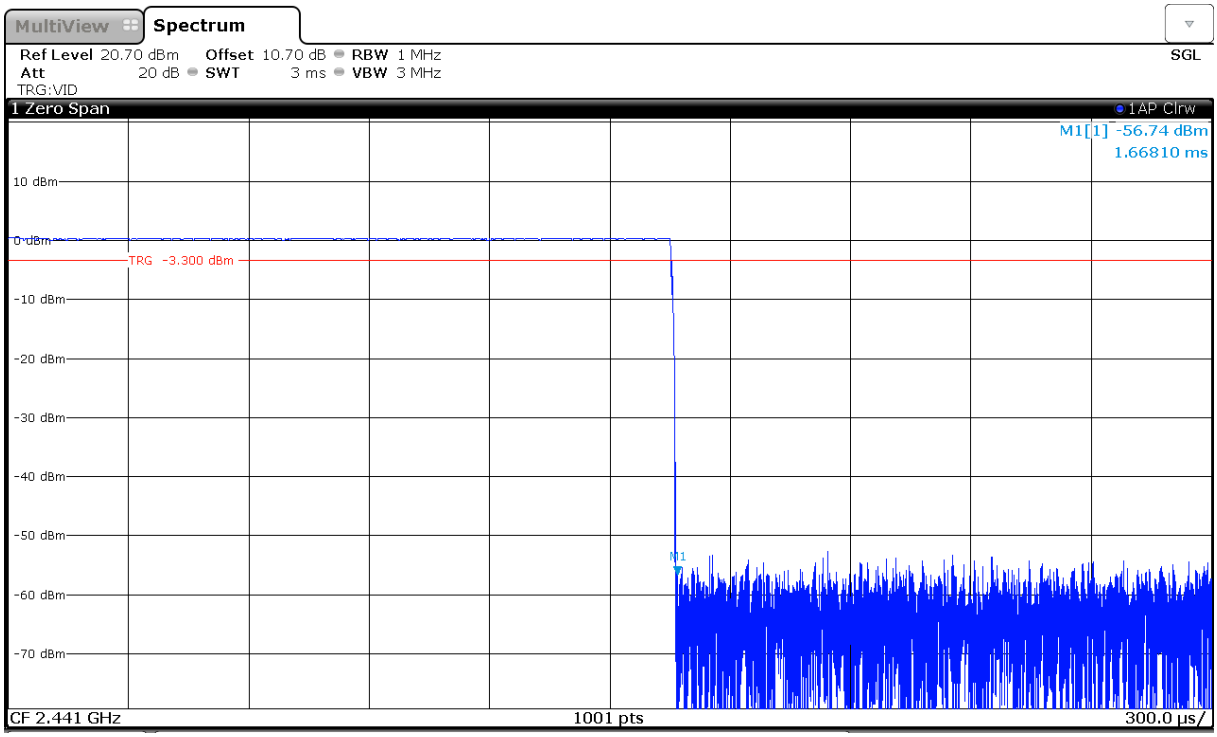


2.5. Time of channel occupancy

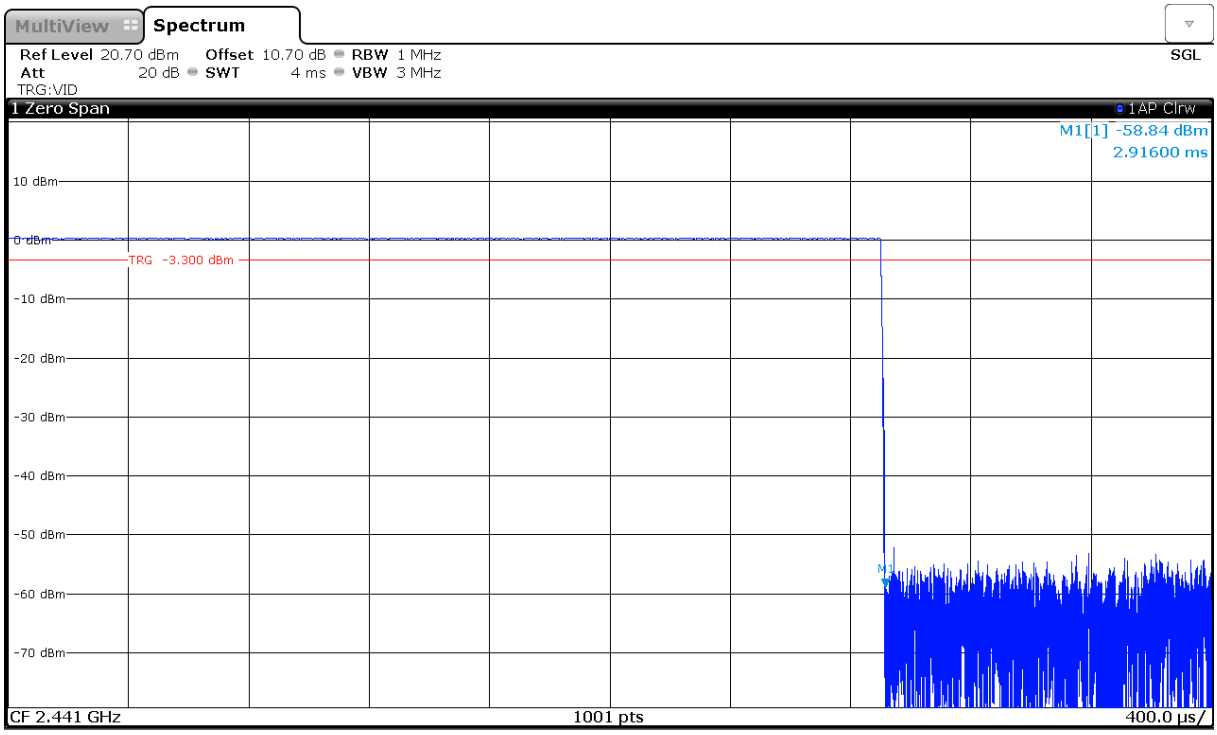
2.5.1. DH5 mid channel



2.5.2. 2DH5 mid channel



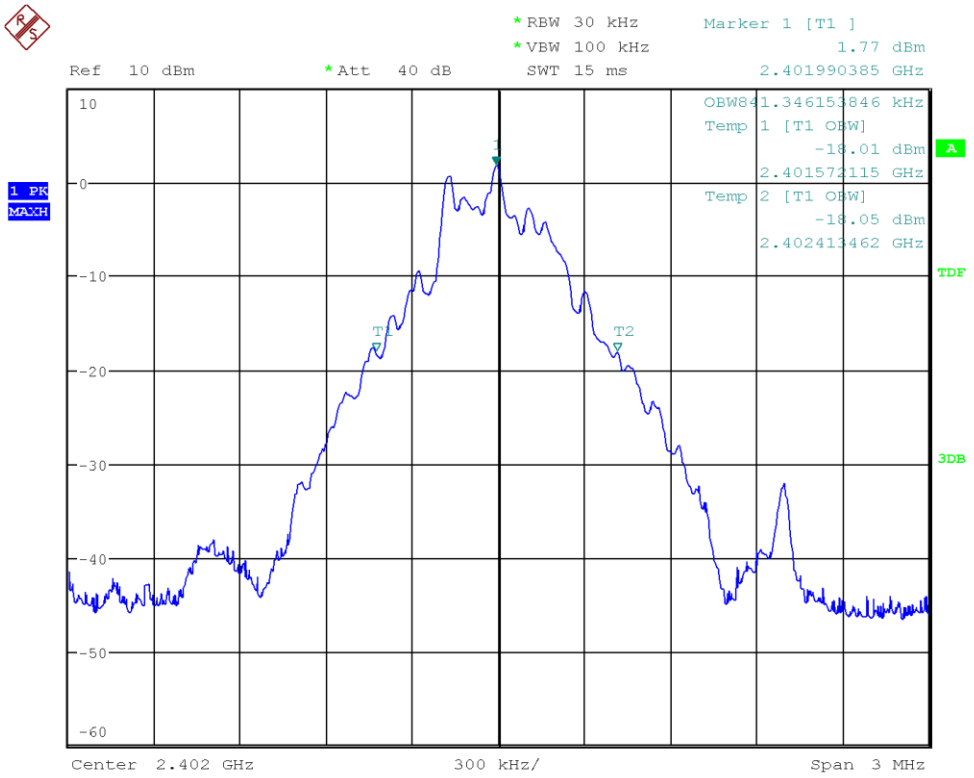
2.5.3. 3DH5 mid channel



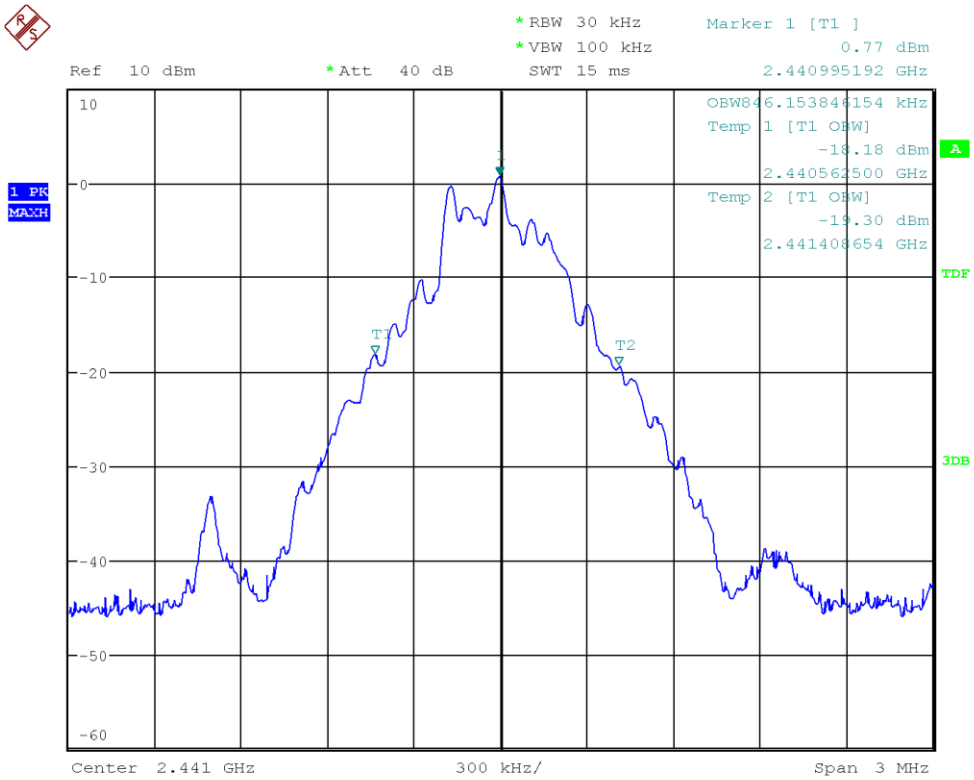
2.6. Occupied Bandwidth

2.6.1. DH5

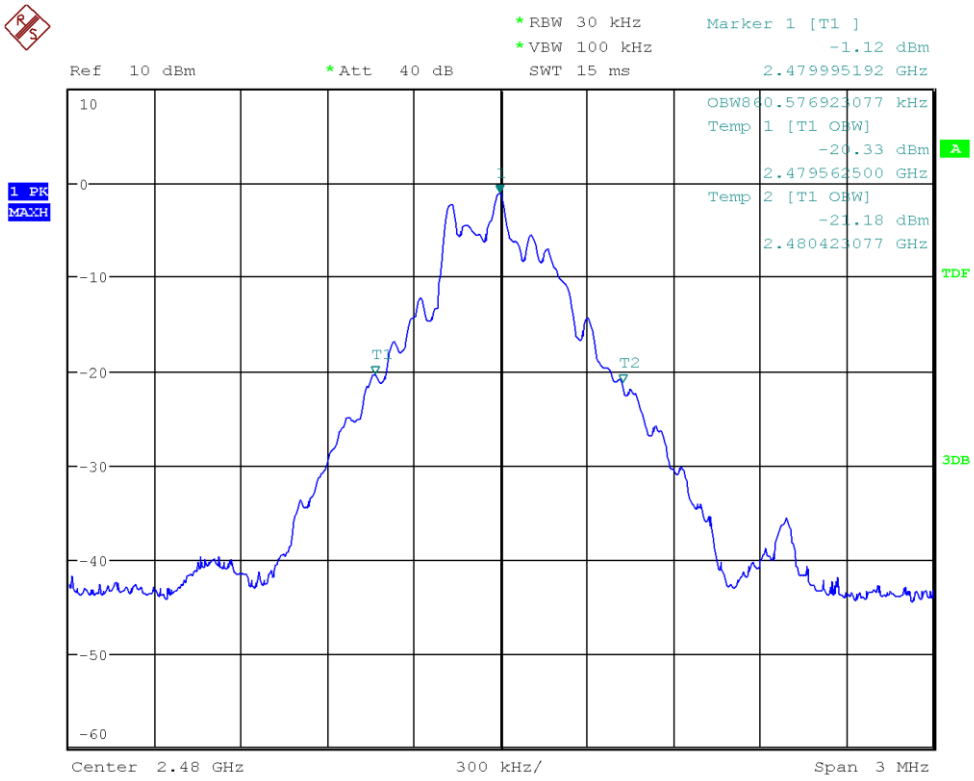
2.6.1.1. Channel 0:



2.6.1.2. Channel 39:

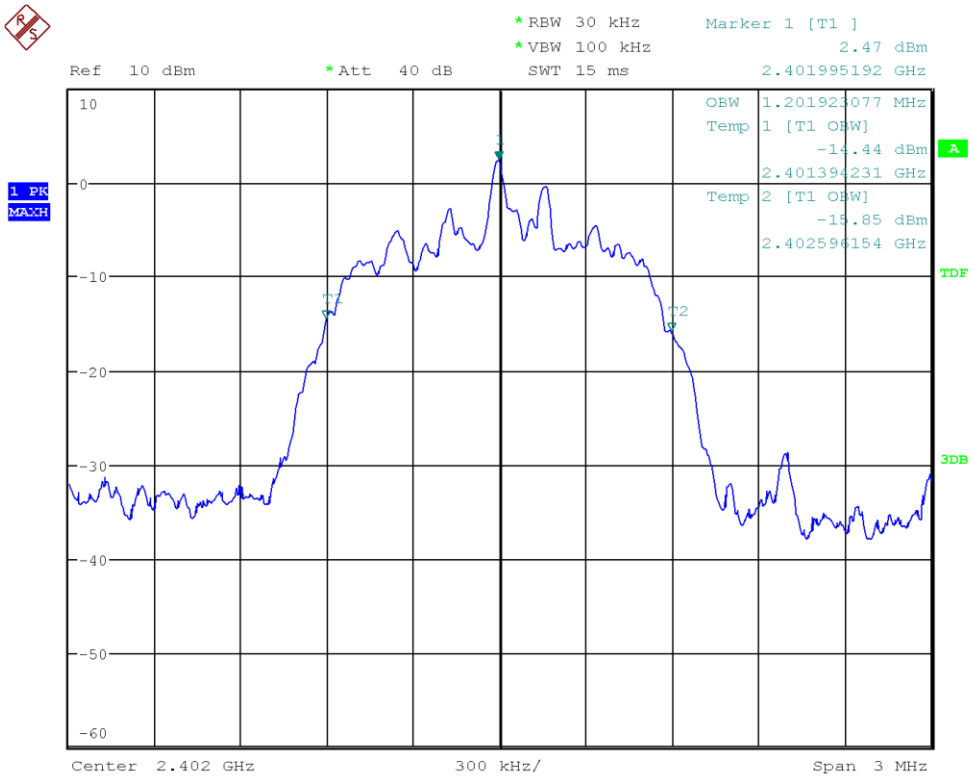


2.6.1.3. Channel 78:

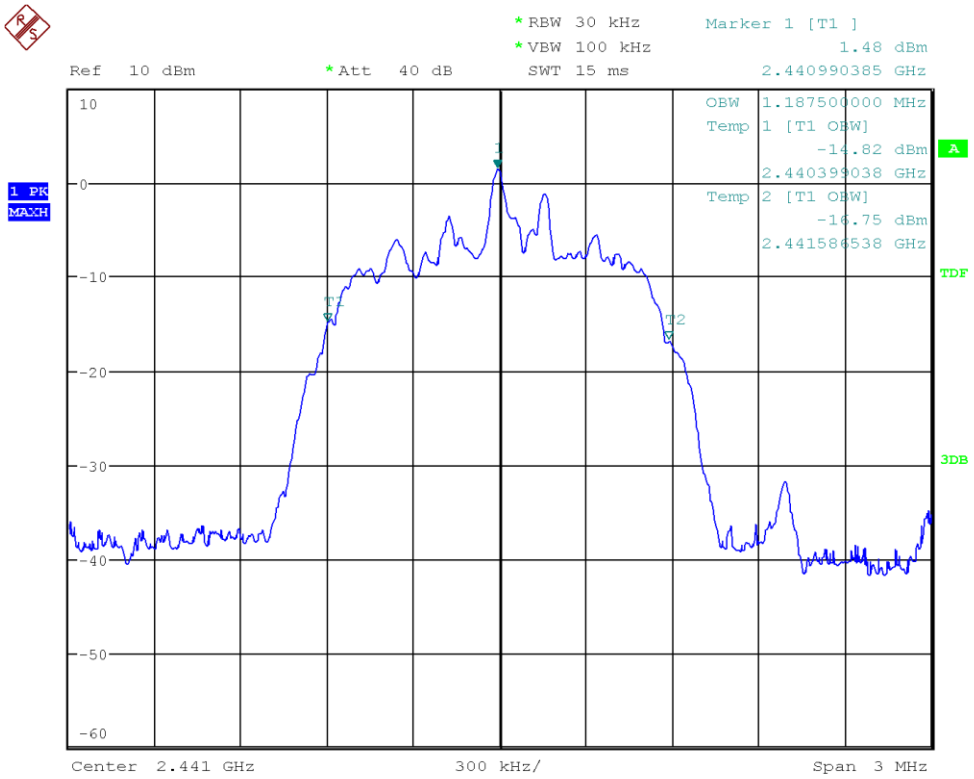


2.6.2. 2DH5

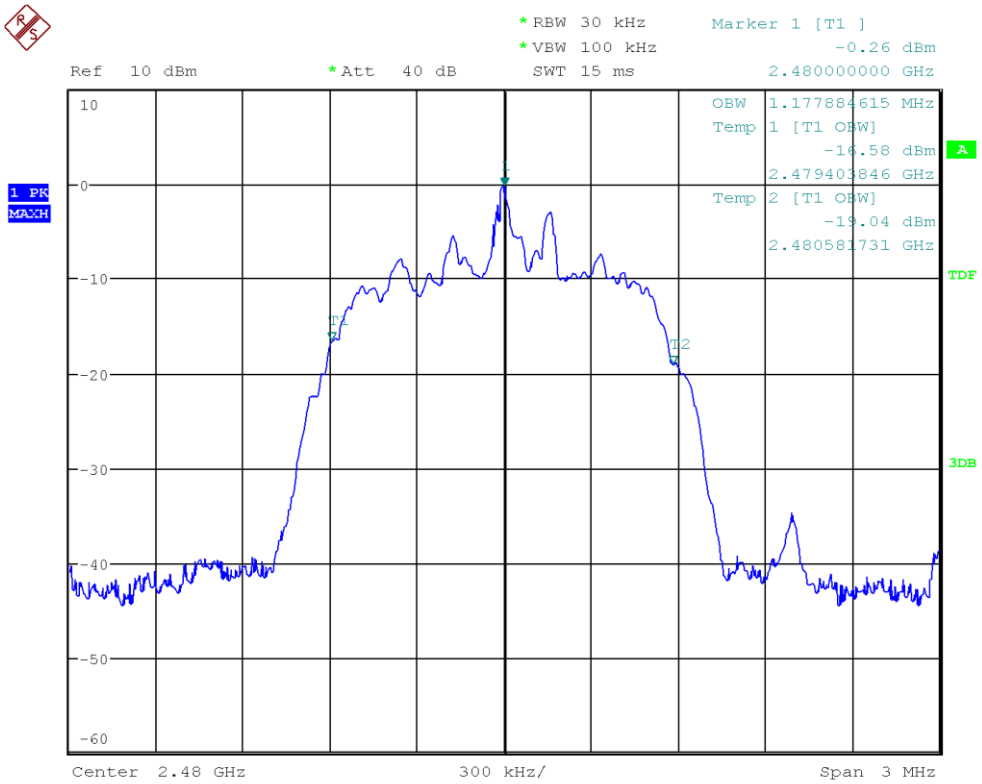
2.6.2.1. Channel 0:



2.6.2.2. Channel 39:

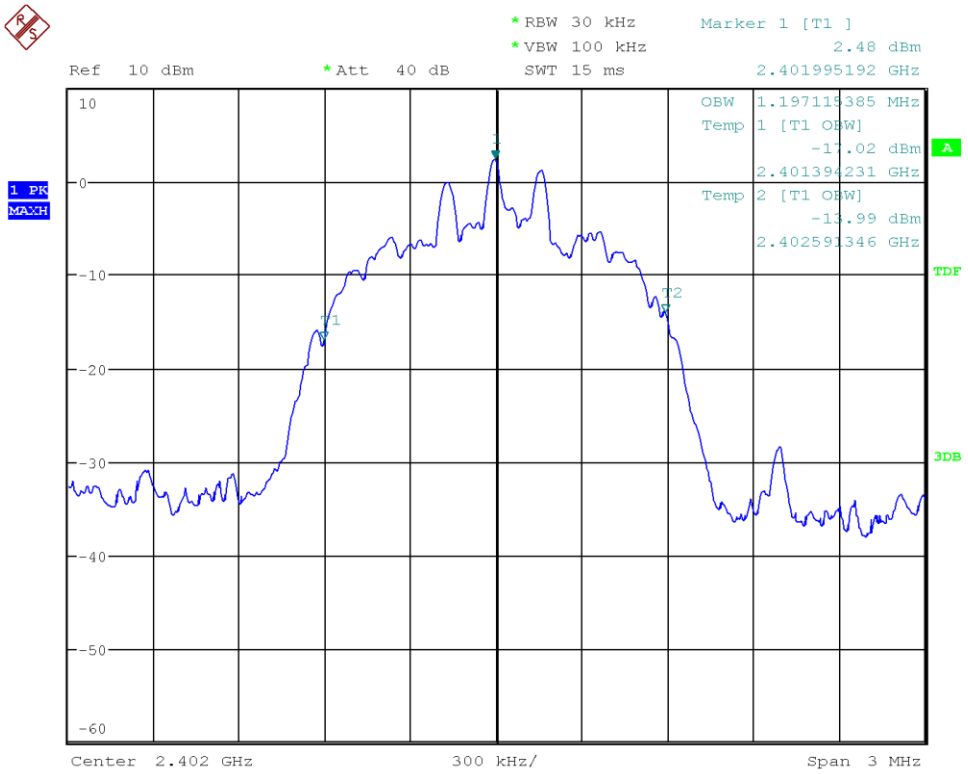


2.6.2.3. Channel 78:

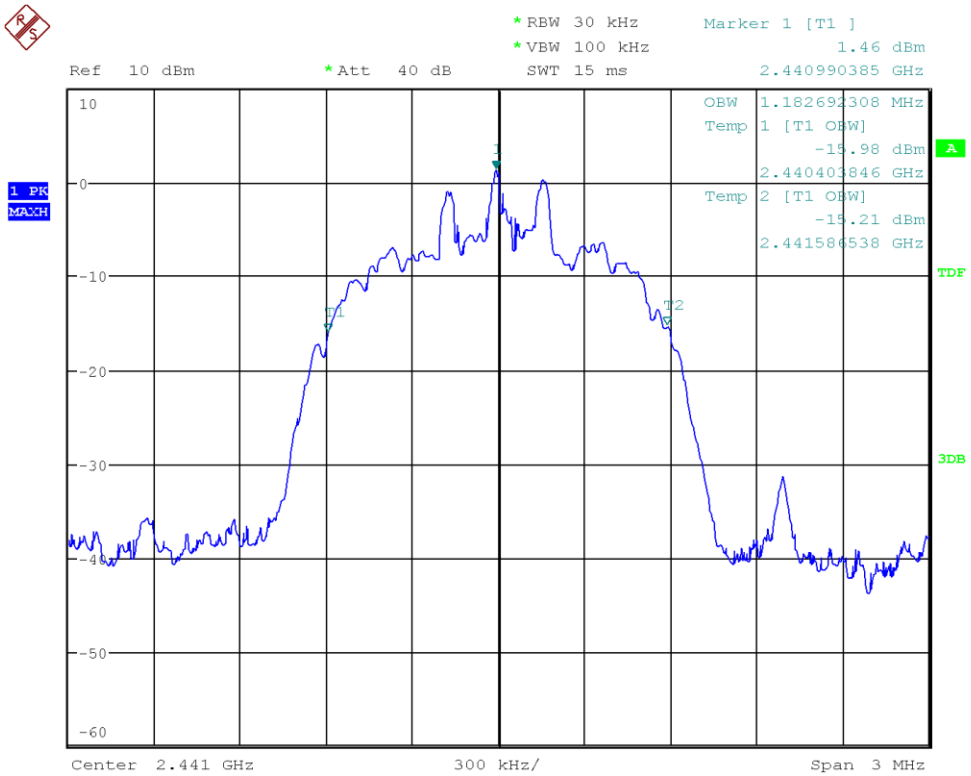


2.6.3. 3DH5

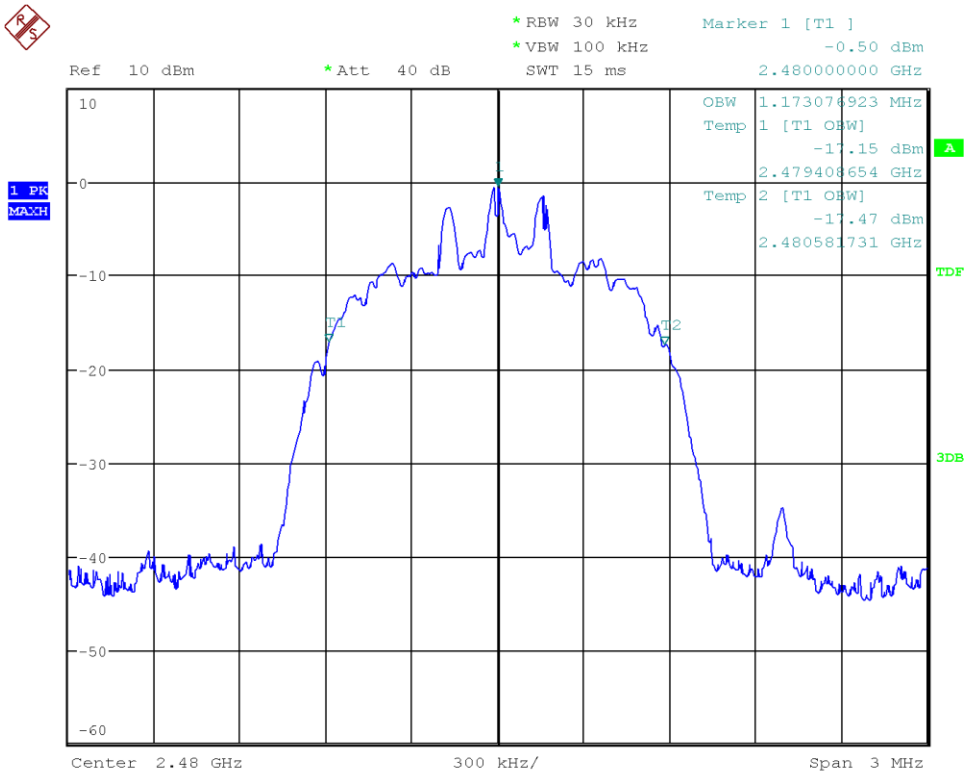
2.6.3.1. Channel 0:



2.6.3.2. Channel 39:



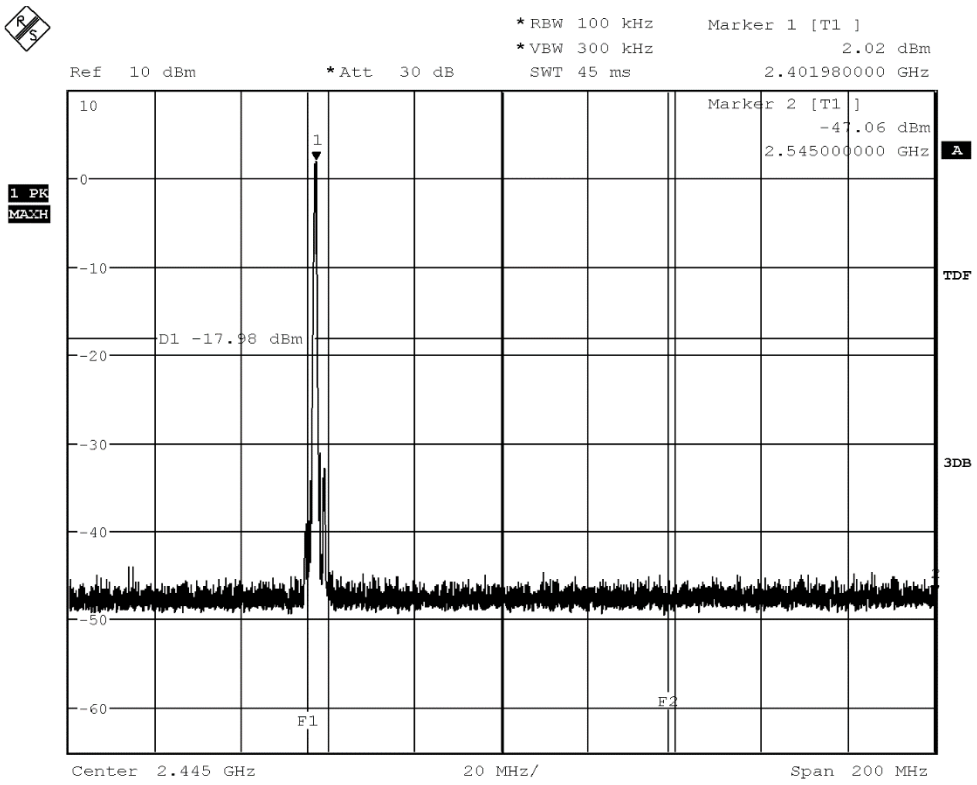
2.6.3.3. Channel 78:



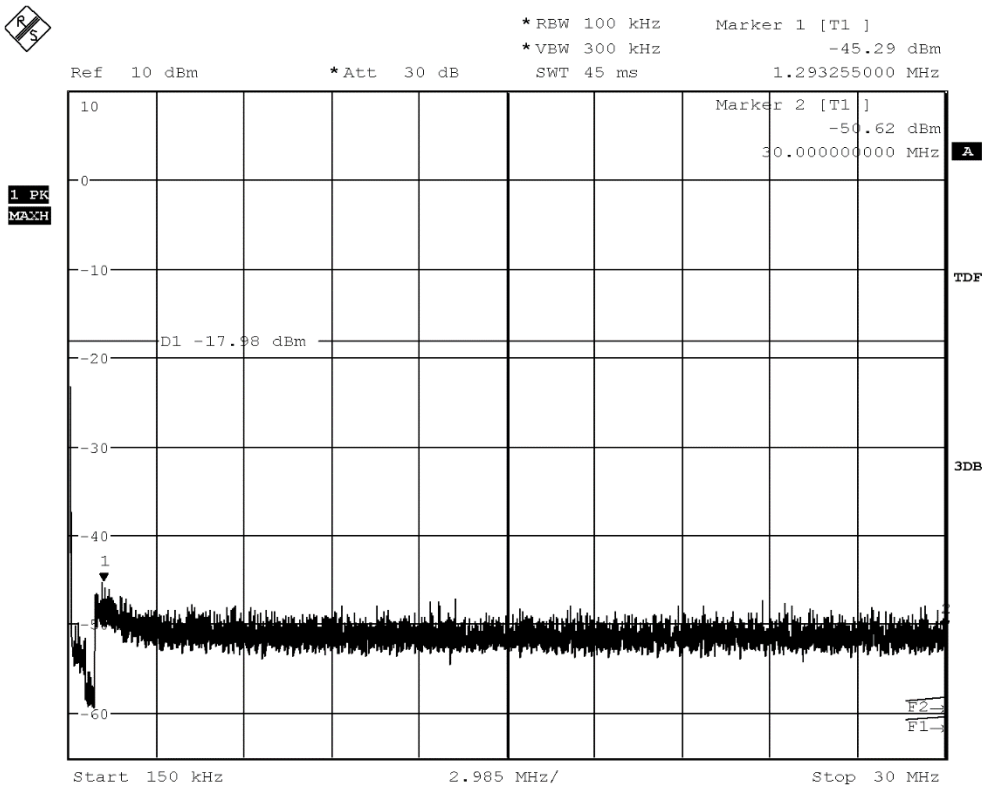
2.7. 20 dBc Conducted Spurious Emissions

2.7.1. Channel 38 – Hopping OFF

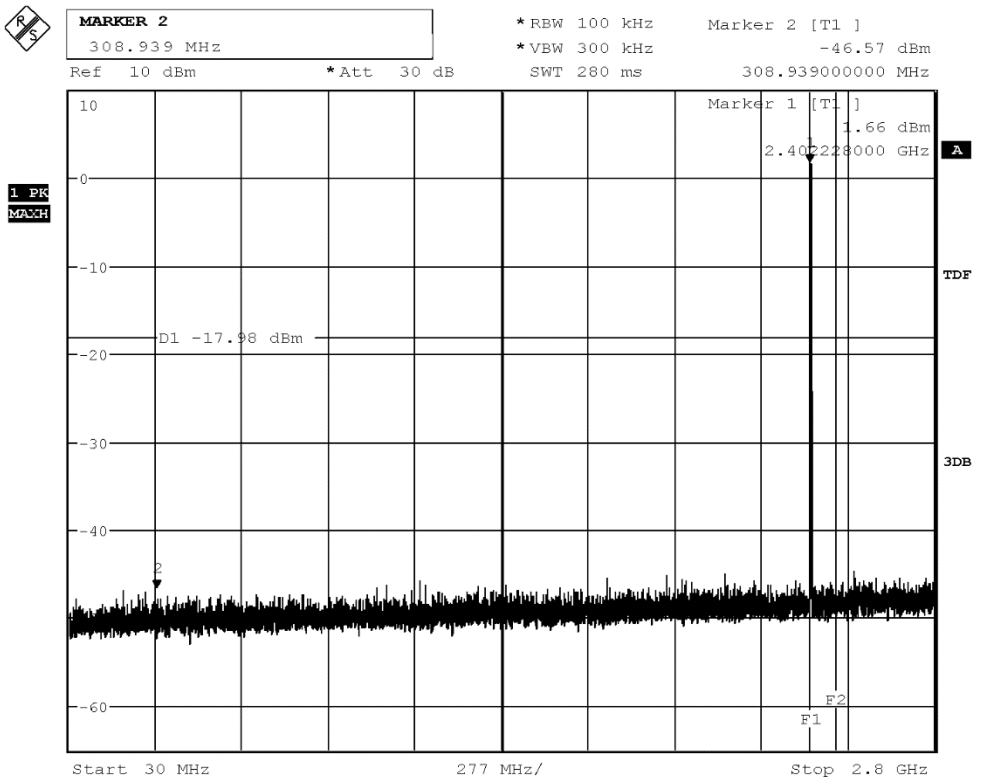
2.7.1.1. Channel 38 Reference



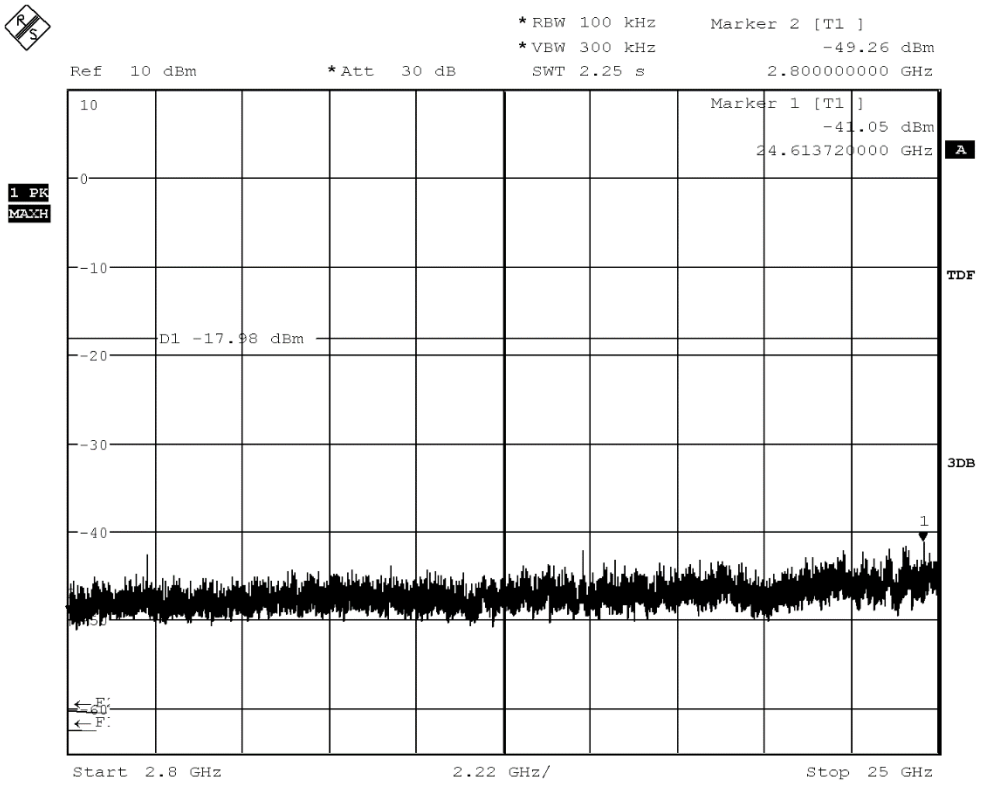
2.7.1.2. Sweep 1: 150kHz to 30MHz



2.7.1.3. Sweep 2: 30MHz to 2.8GHz

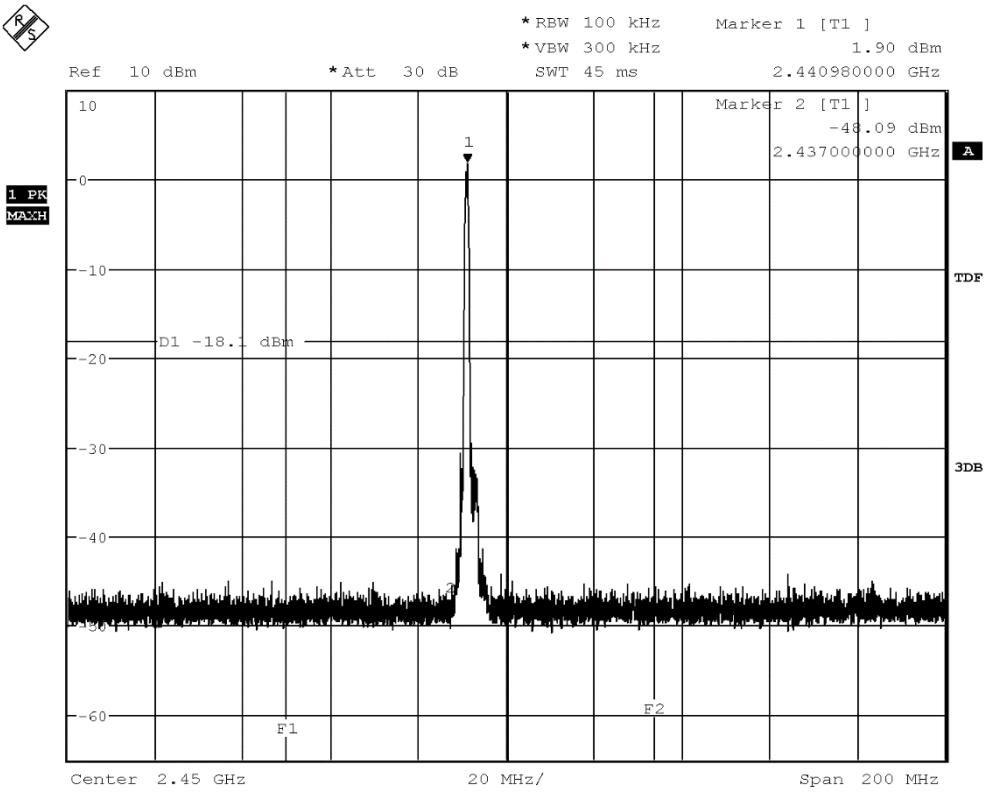


2.7.1.4. Sweep 2: 2.8GHz to 25GHz

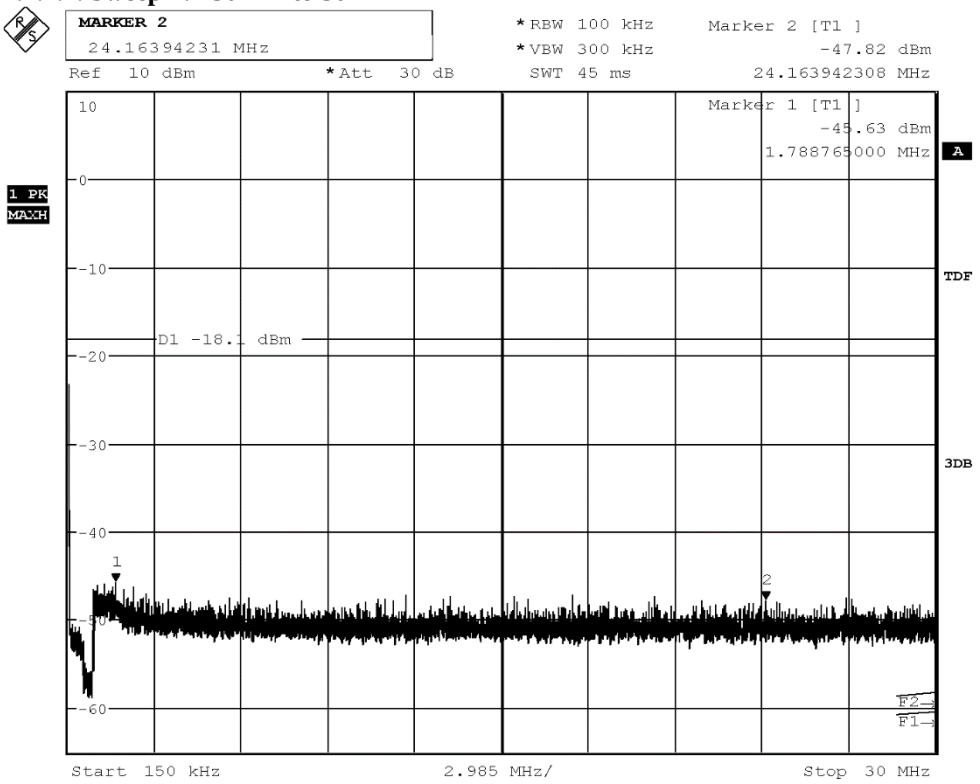


2.7.2. Channel 17 – Hopping OFF

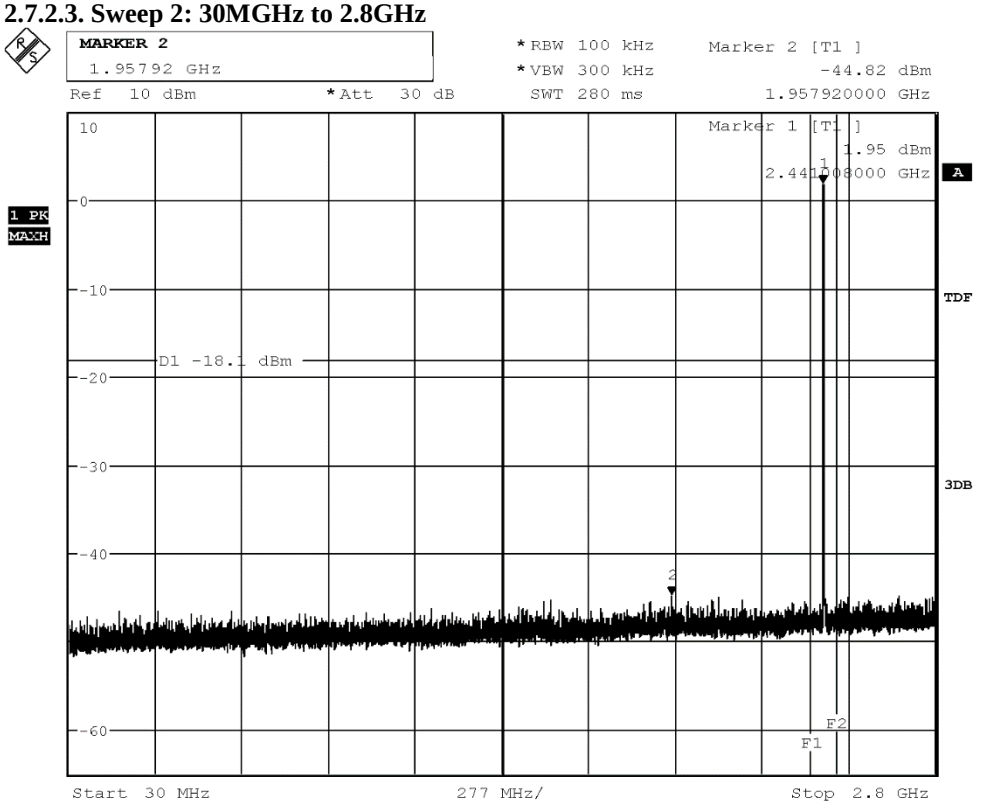
2.7.2.1. Channel 17 Reference



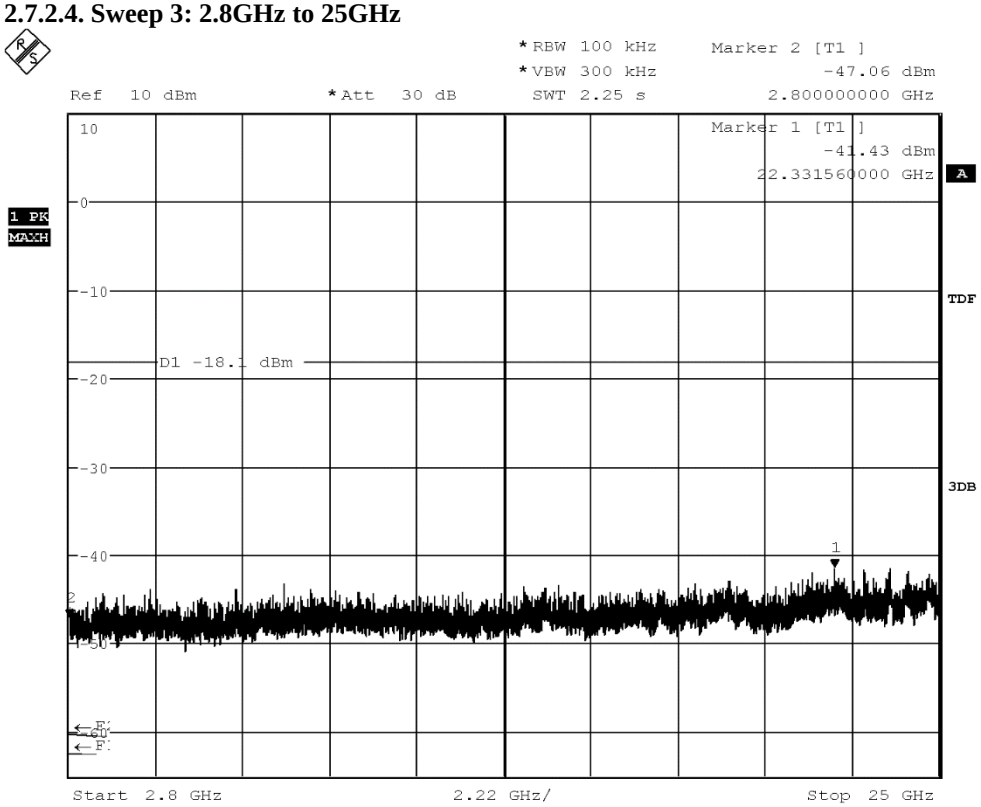
2.7.2.2. Sweep 1: 150kHz to 30MHz



2.7.2.3. Sweep 2: 30MGHz to 2.8GHz

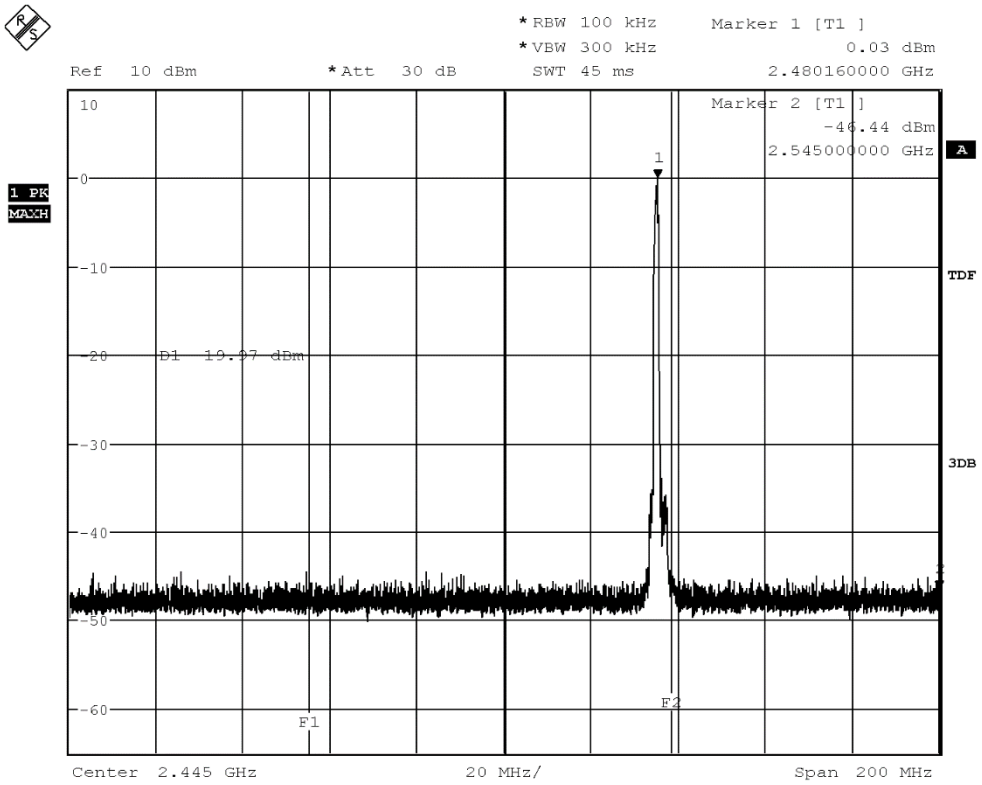


2.7.2.4. Sweep 3: 2.8GHz to 25GHz

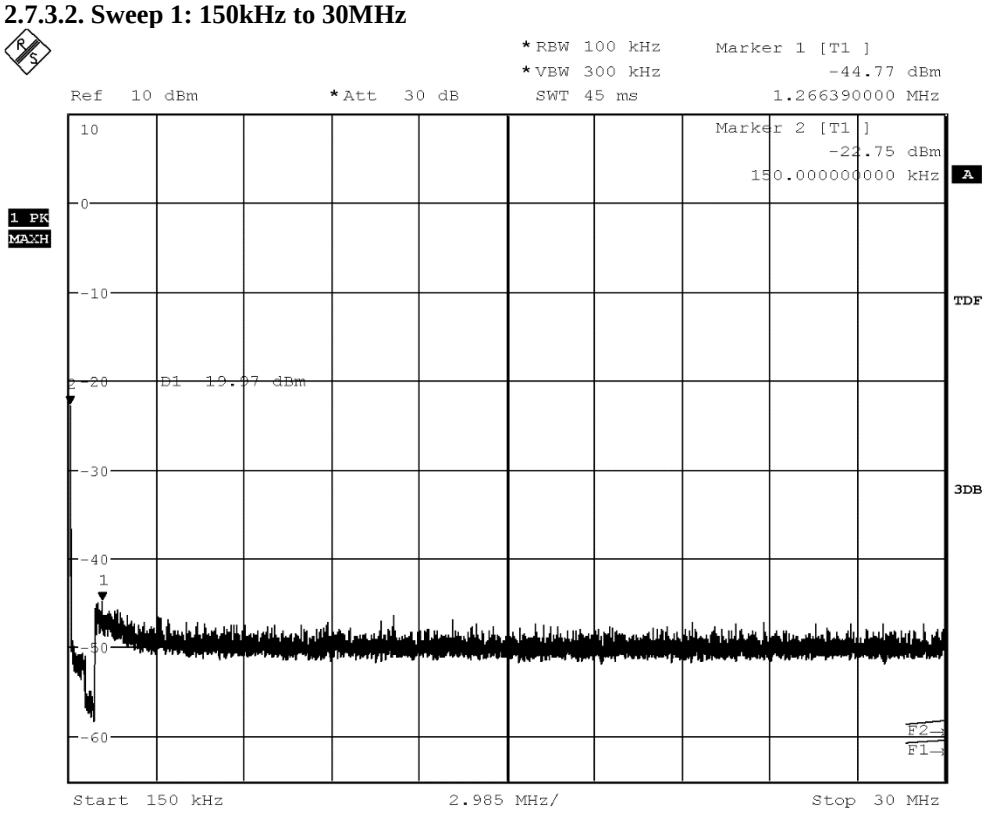


2.7.3. Channel 39 – Hopping OFF

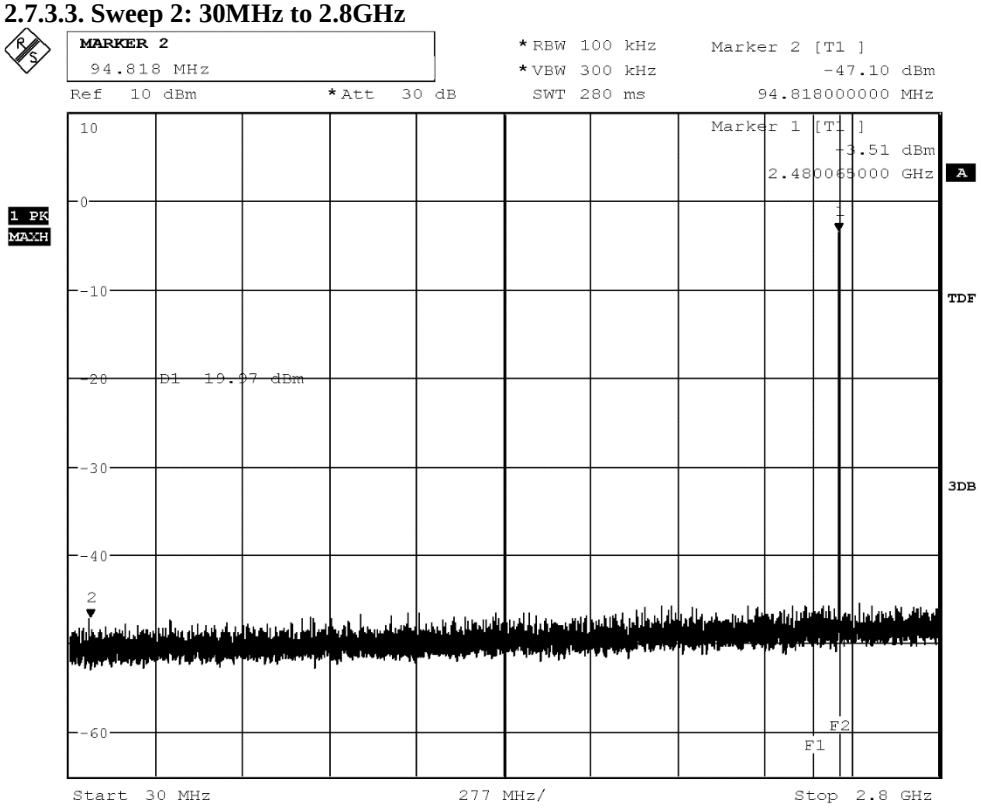
2.7.3.1. Channel 39 Reference



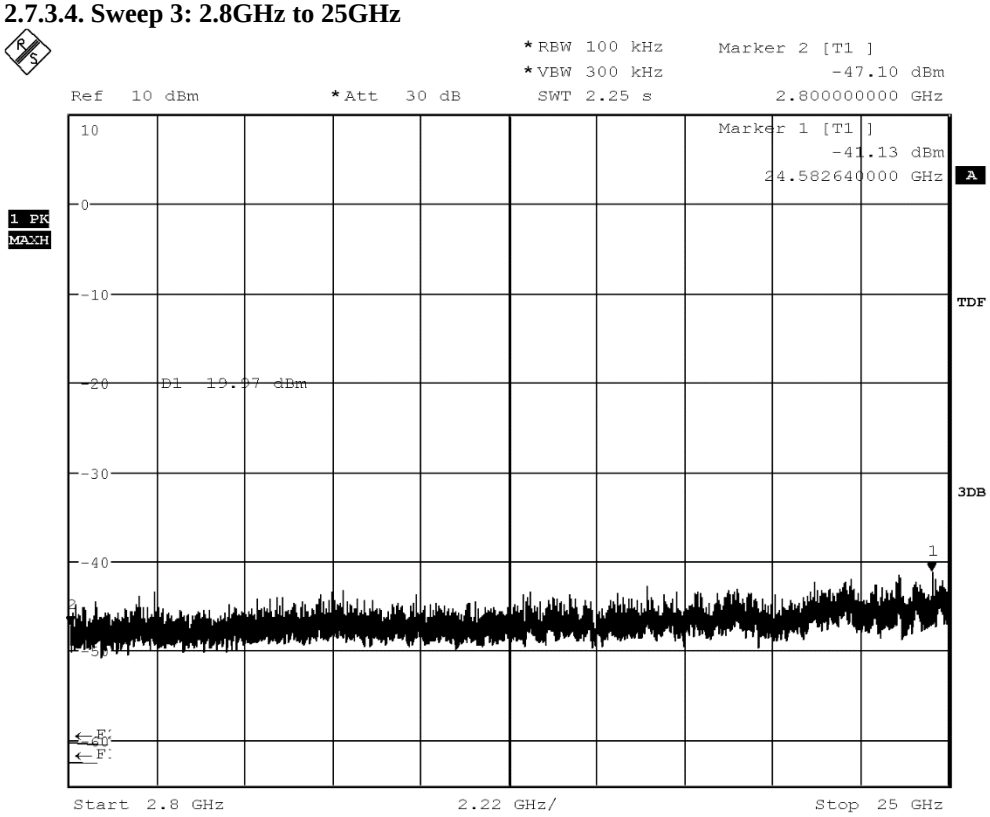
2.7.3.2. Sweep 1: 150kHz to 30MHz



2.7.3.3. Sweep 2: 30MHz to 2.8GHz

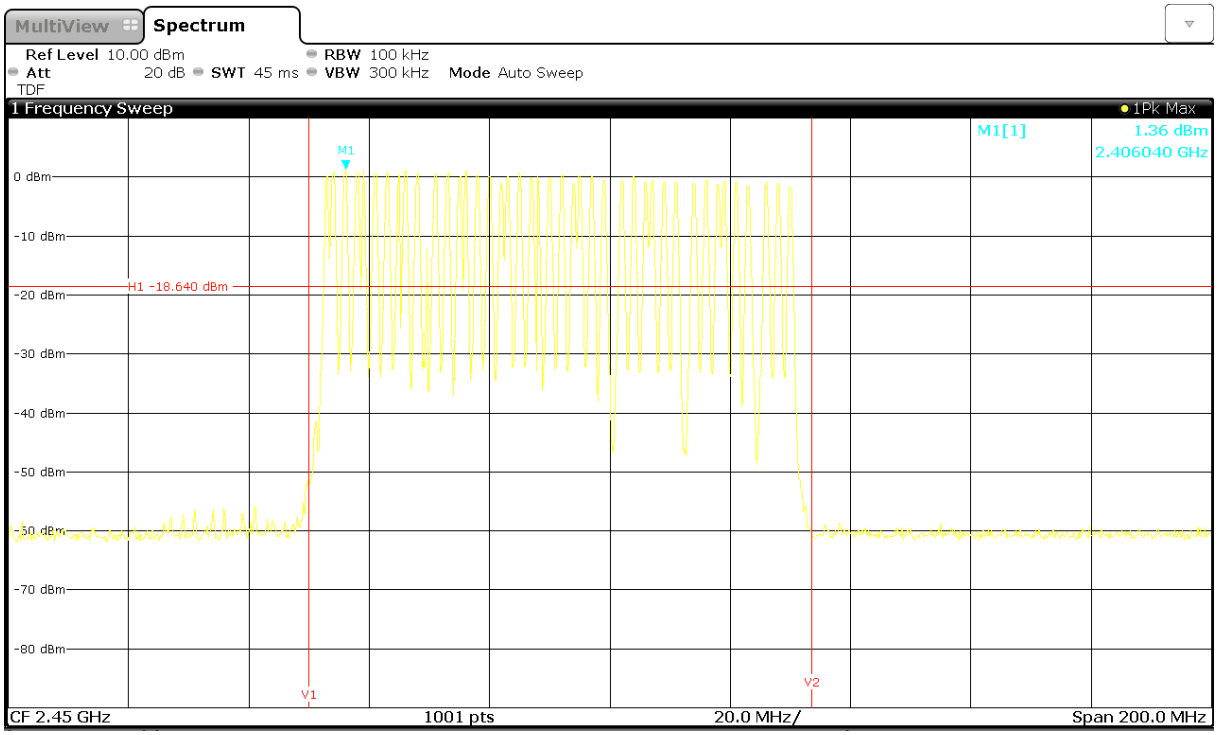


2.7.3.4. Sweep 3: 2.8GHz to 25GHz

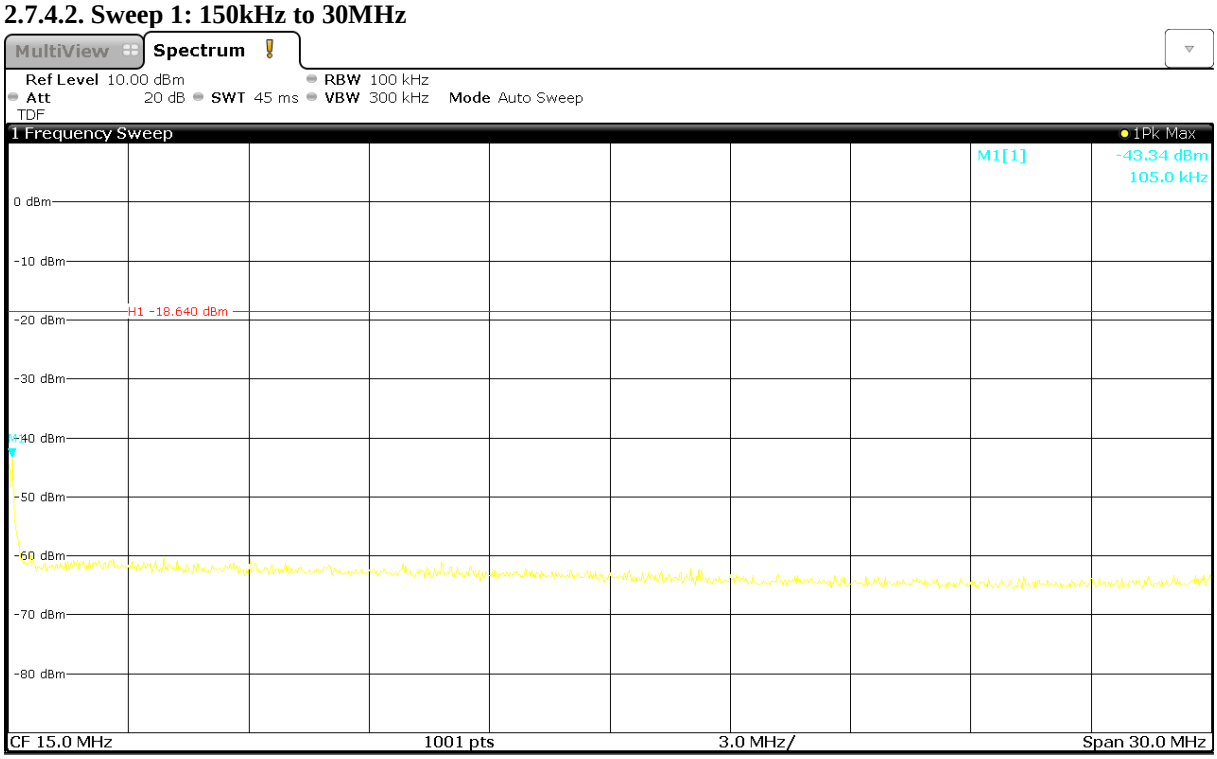


2.7.4. DH5 rate – Hopping ON

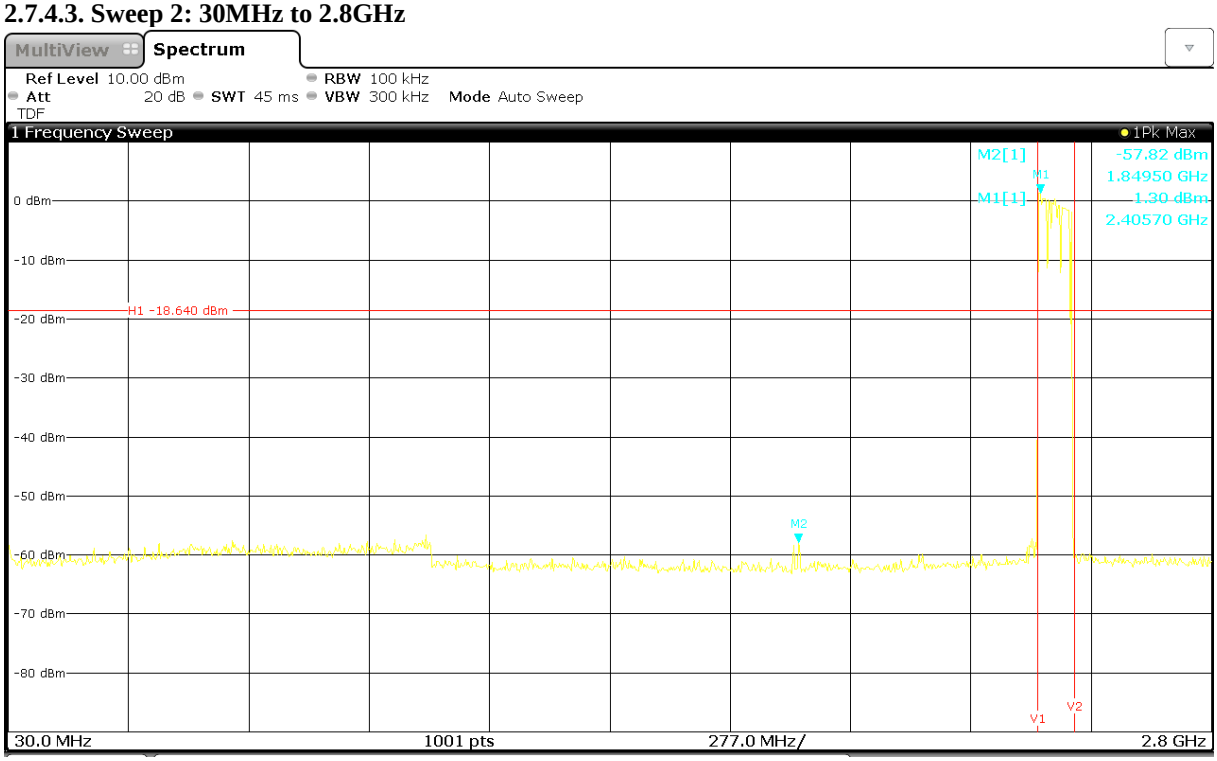
2.7.4.1. Reference



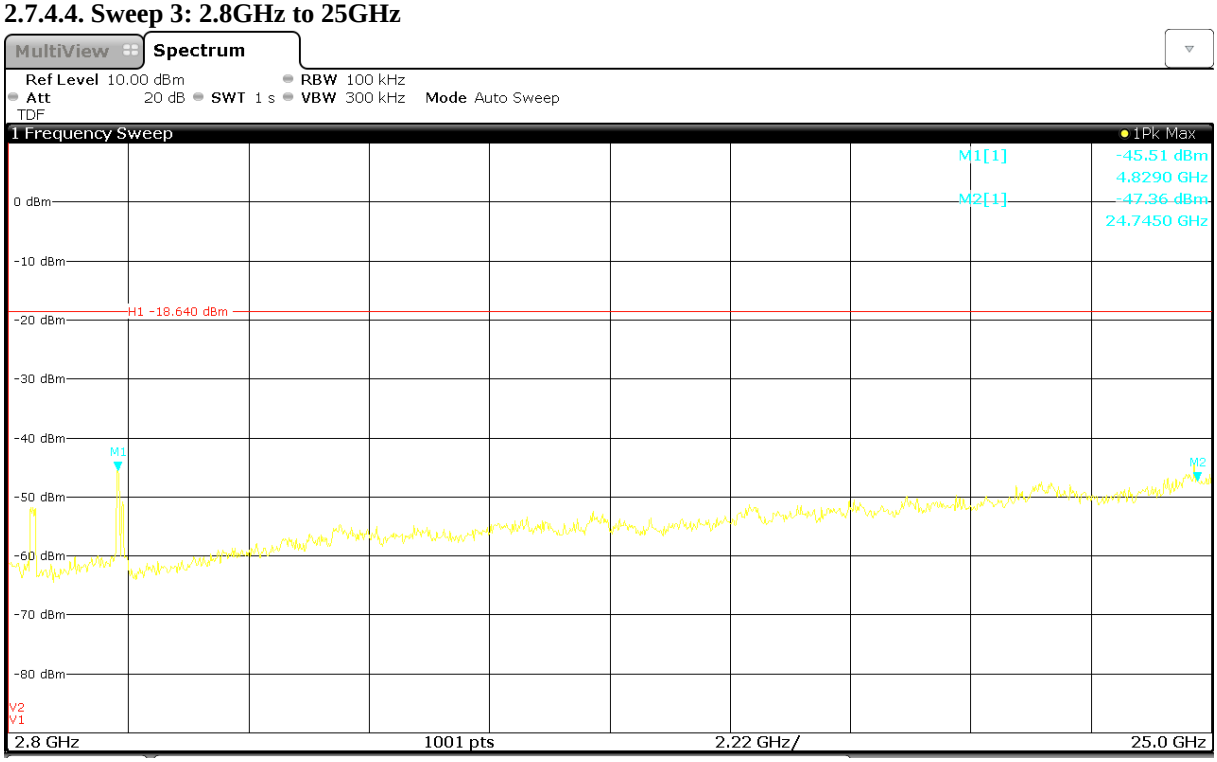
2.7.4.2. Sweep 1: 150kHz to 30MHz



2.7.4.3. Sweep 2: 30MHz to 2.8GHz

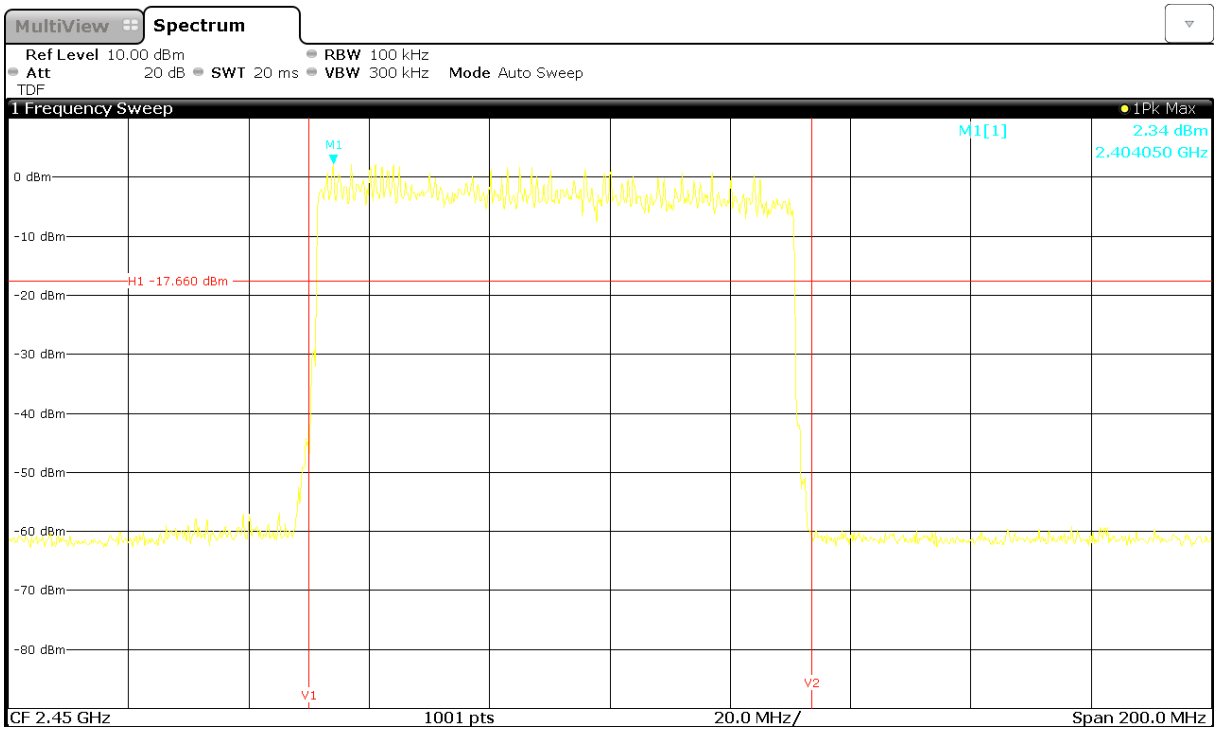


2.7.4.4. Sweep 3: 2.8GHz to 25GHz

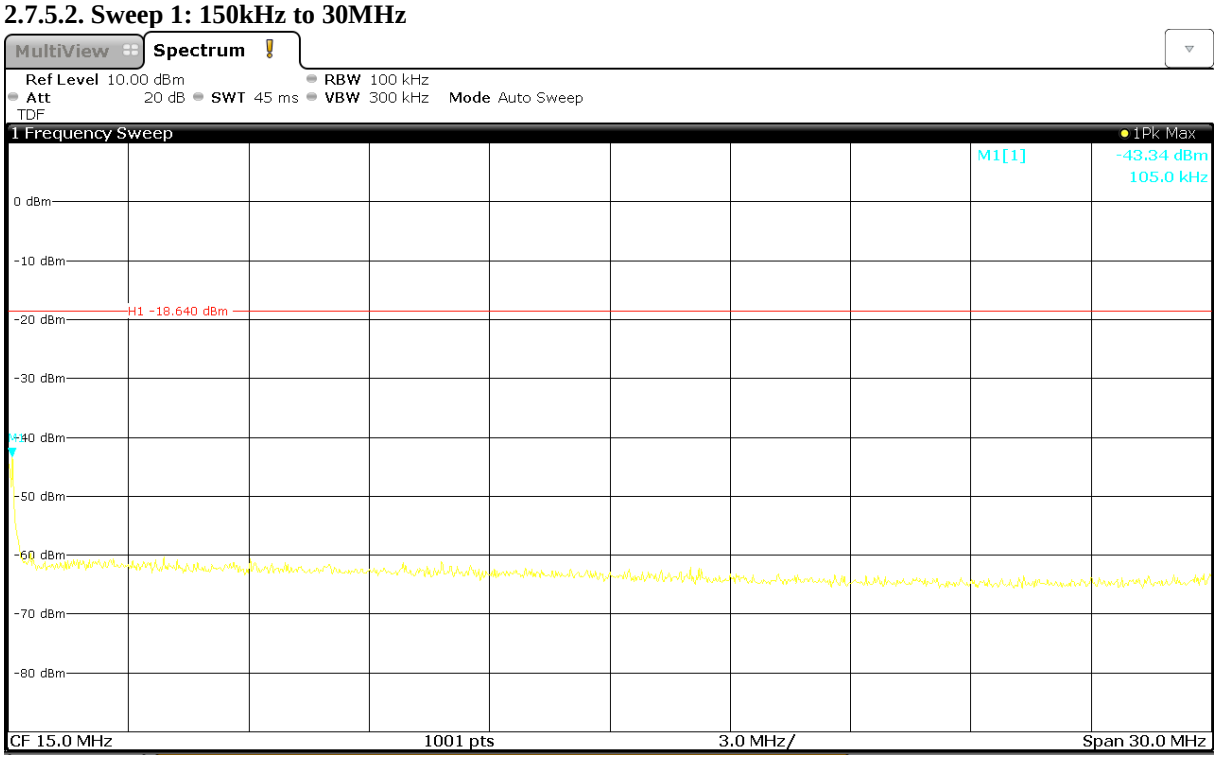


2.7.5. 2DH5 rate – Hopping ON

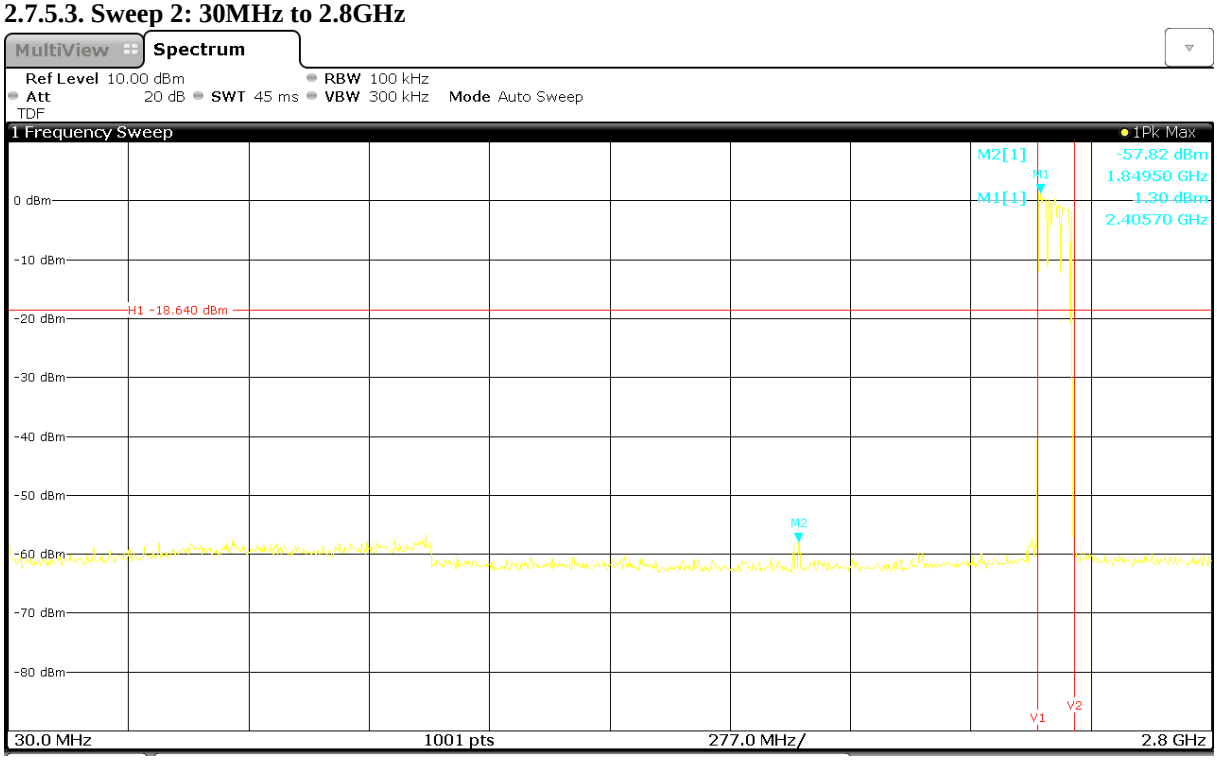
2.7.5.1. Reference



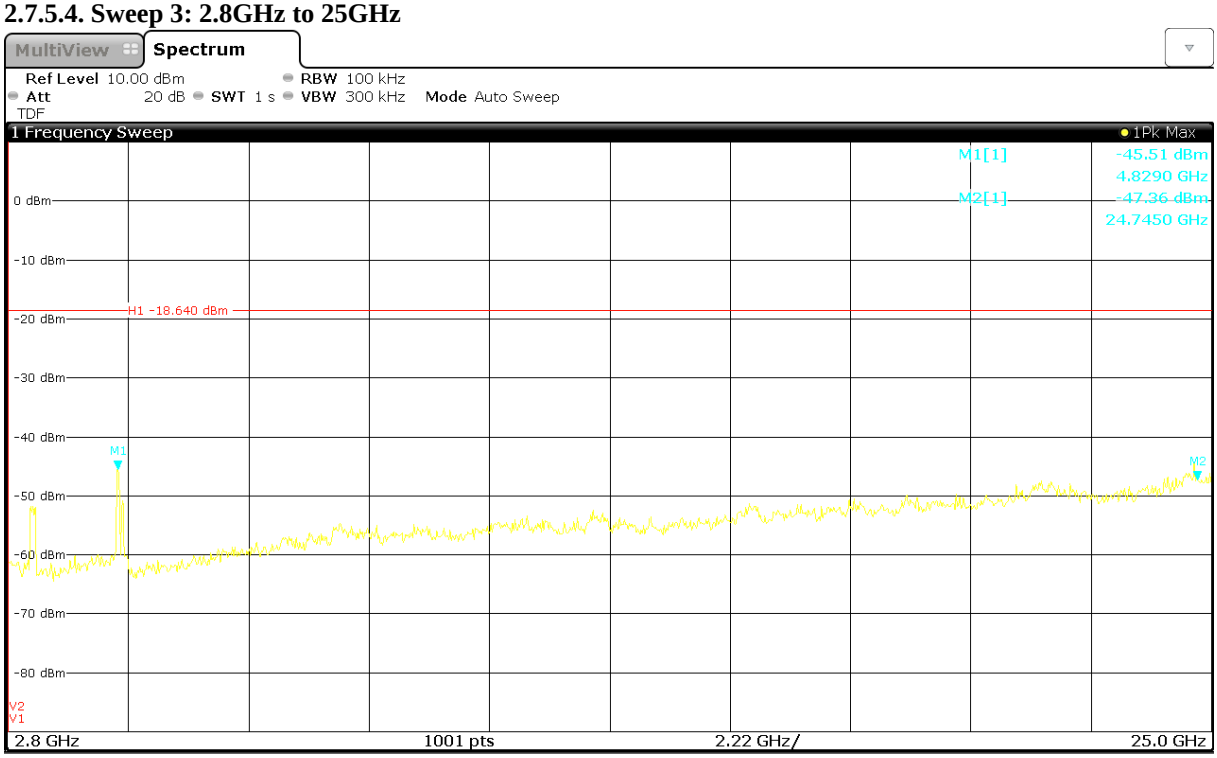
2.7.5.2. Sweep 1: 150kHz to 30MHz



2.7.5.3. Sweep 2: 30MHz to 2.8GHz

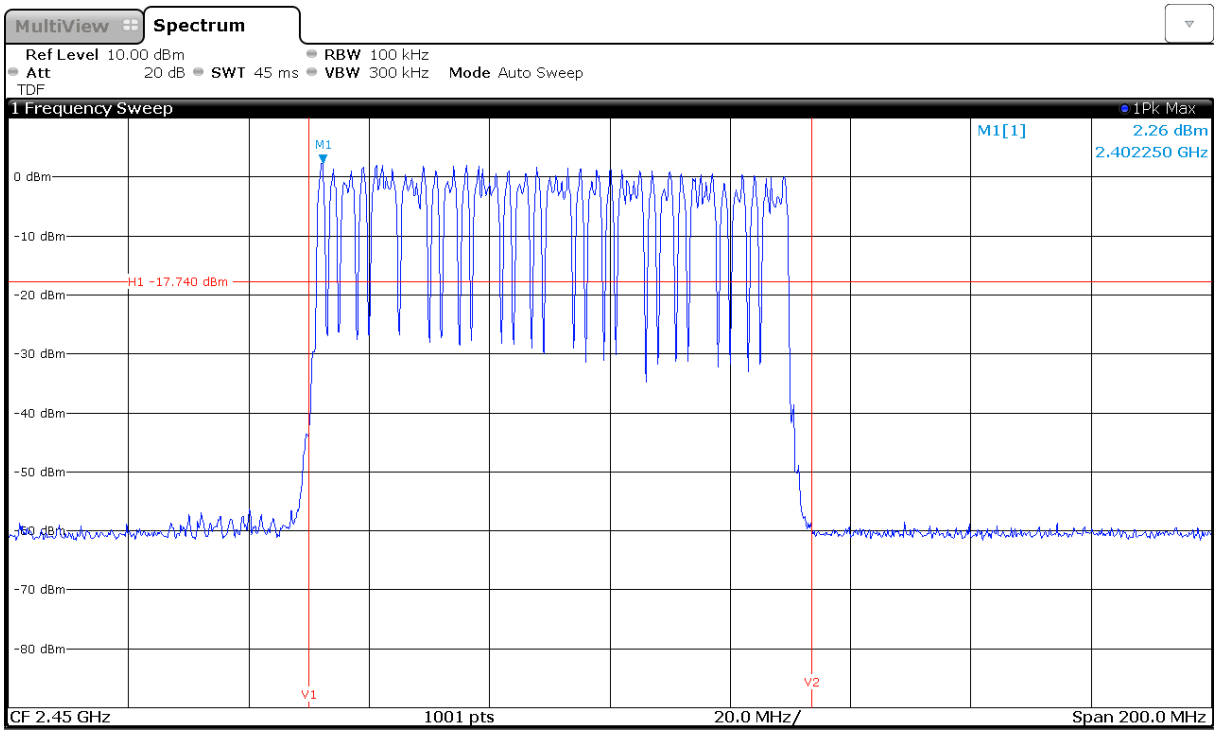


2.7.5.4. Sweep 3: 2.8GHz to 25GHz

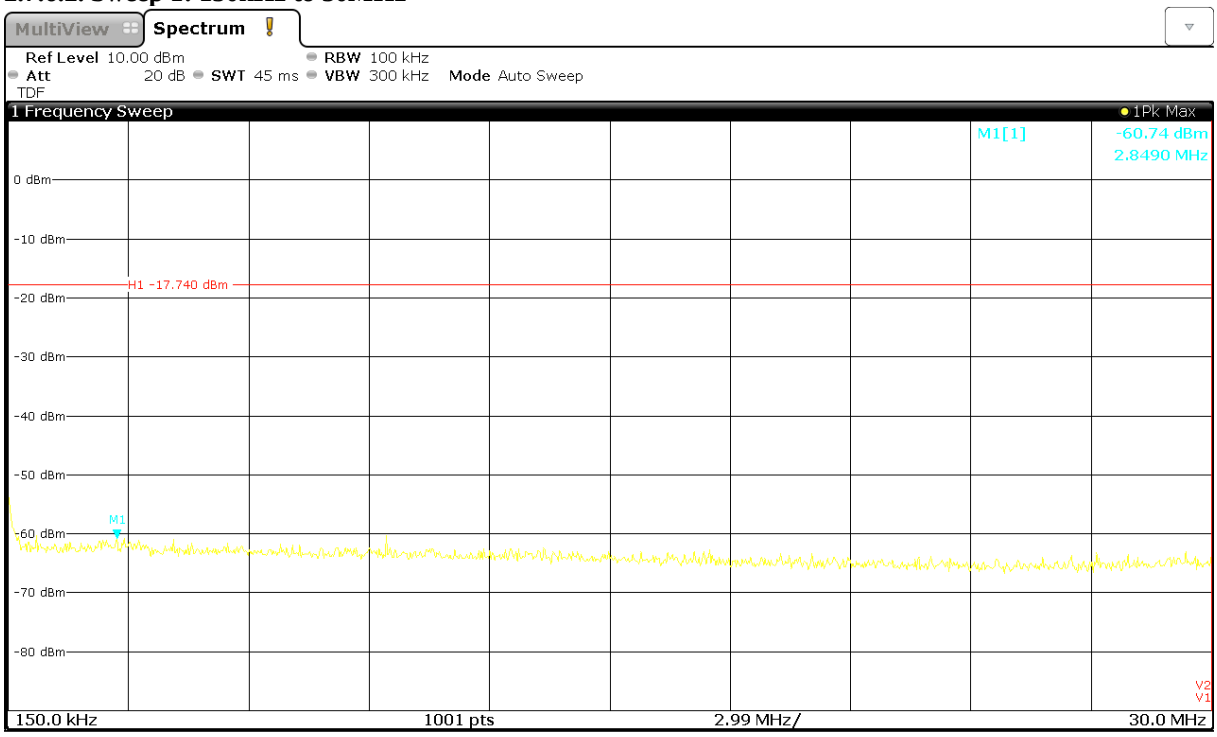


2.7.6. 3DH5 rate – Hopping ON

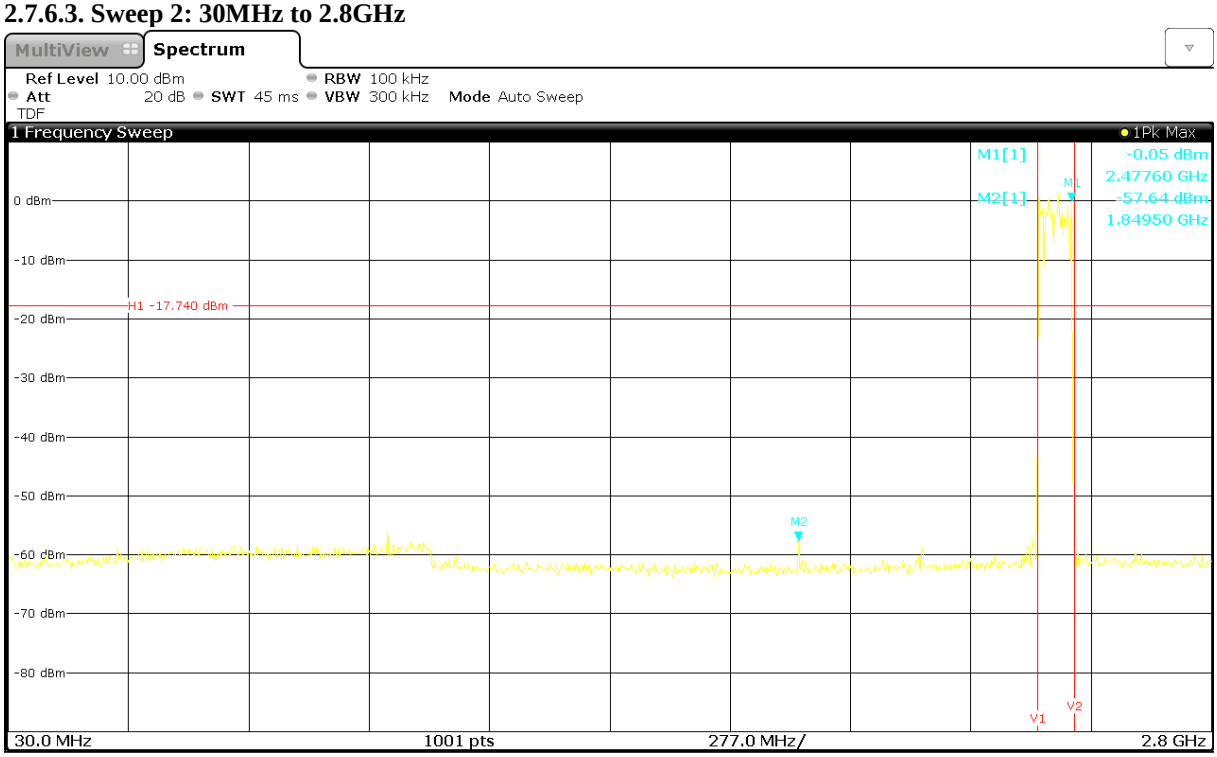
2.7.6.1. Reference



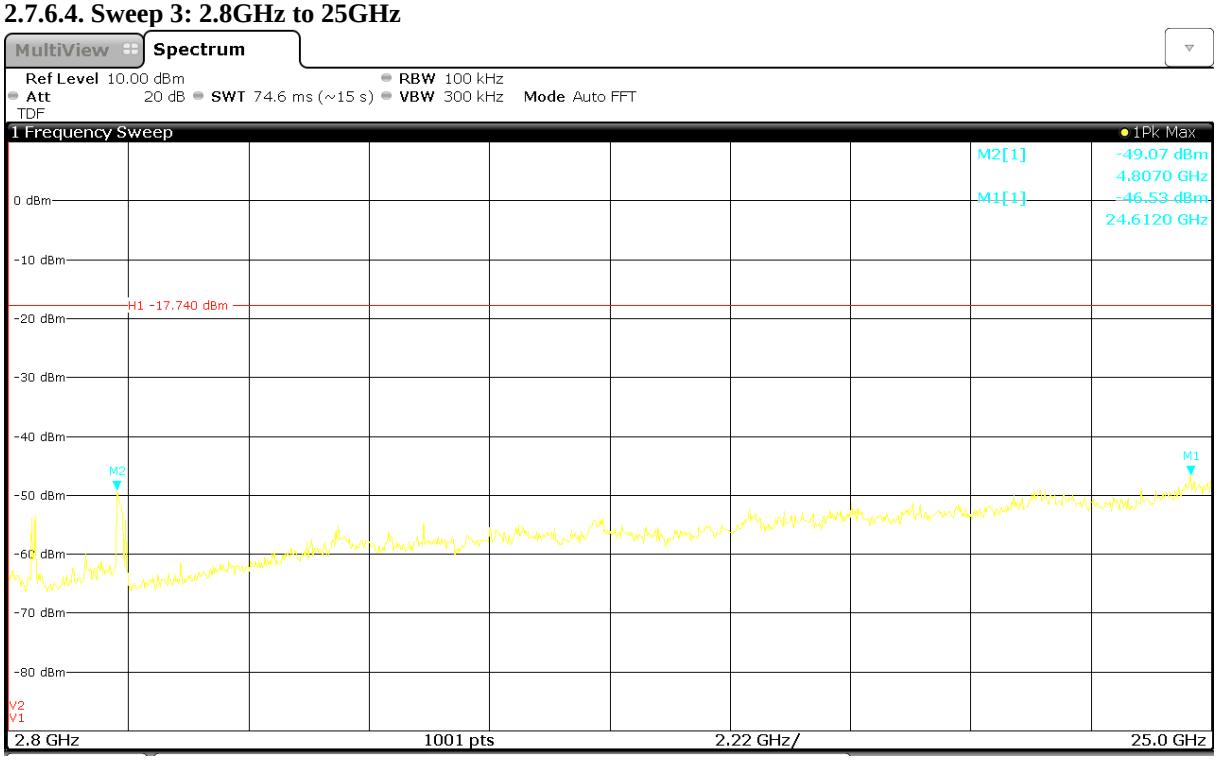
2.7.6.2. Sweep 1: 150kHz to 30MHz



2.7.6.3. Sweep 2: 30MHz to 2.8GHz



2.7.6.4. Sweep 3: 2.8GHz to 25GHz



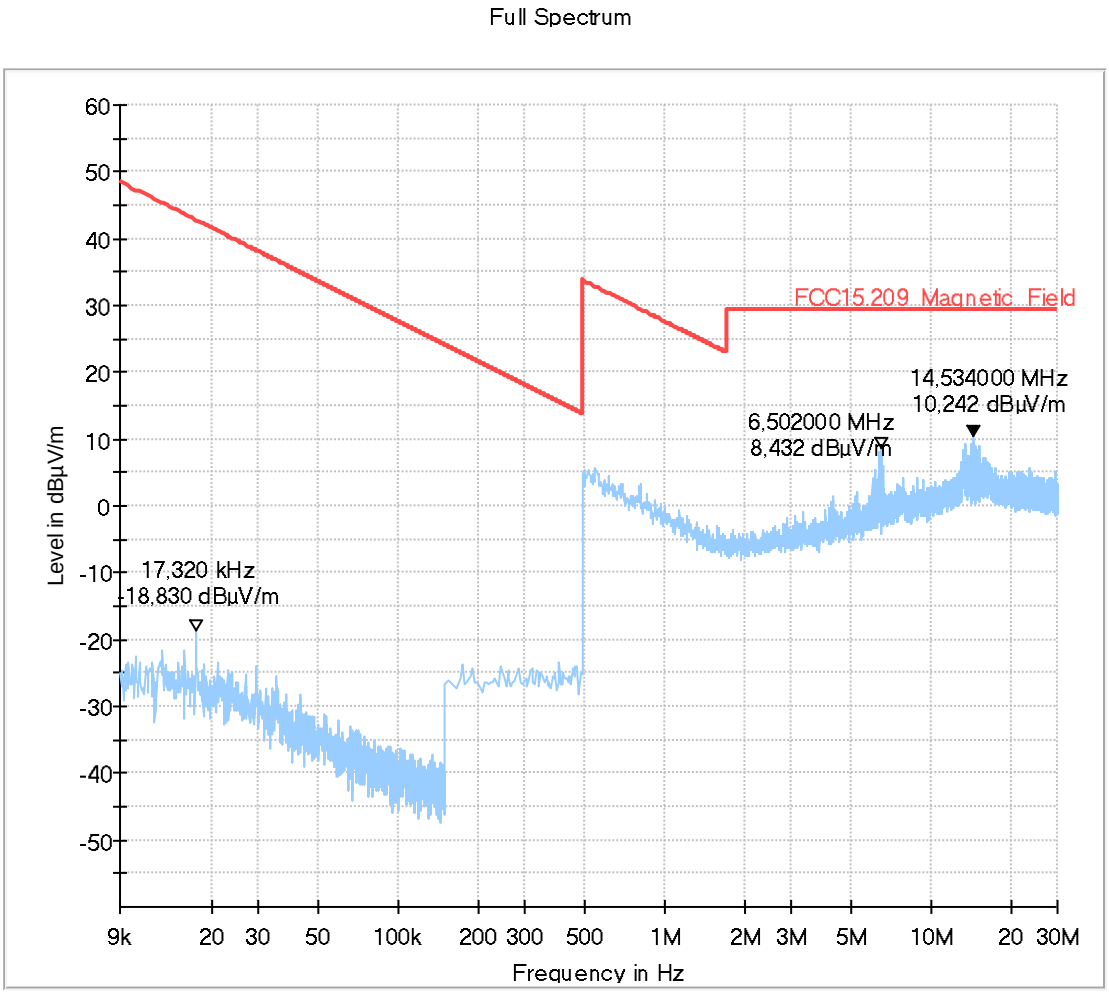
3. Radiated Field Strength Measurements

3.1. Radiated Field Strength Emissions – 9 kHz to 30 MHz

2.01a_BT_BR_ch00_Laying

Common Information

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:	EMC.V9.25.00
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
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	BT EDR | DH5 | ch00 |2402MHz | laying
Power during tests:	24V DC
Comment 1:	

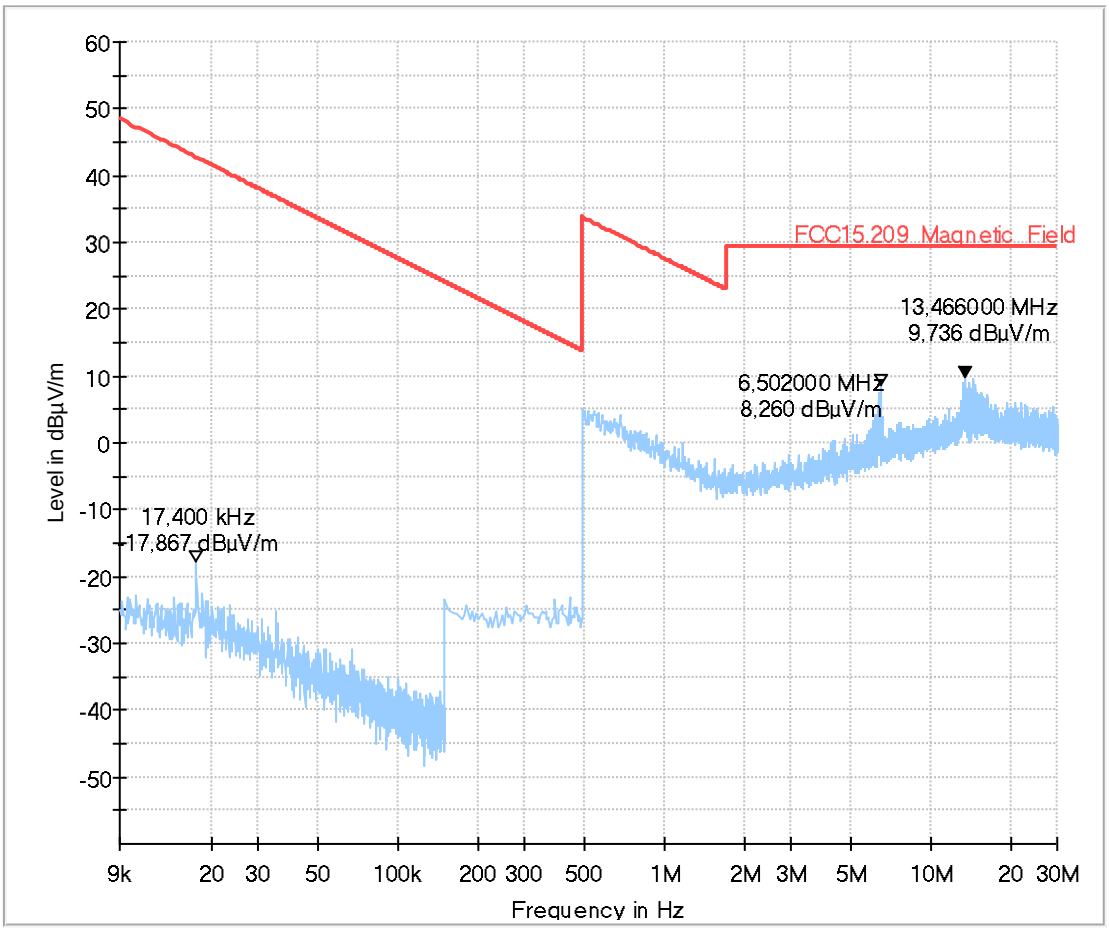


2.01b_BT_BR_ch00_Standing

Common Information

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:	EMC.V9.25.00
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
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	BT EDR | DH5 | ch00 |2402MHz | standing
Power during tests:	24V DC
Comment 1:	

Full Spectrum

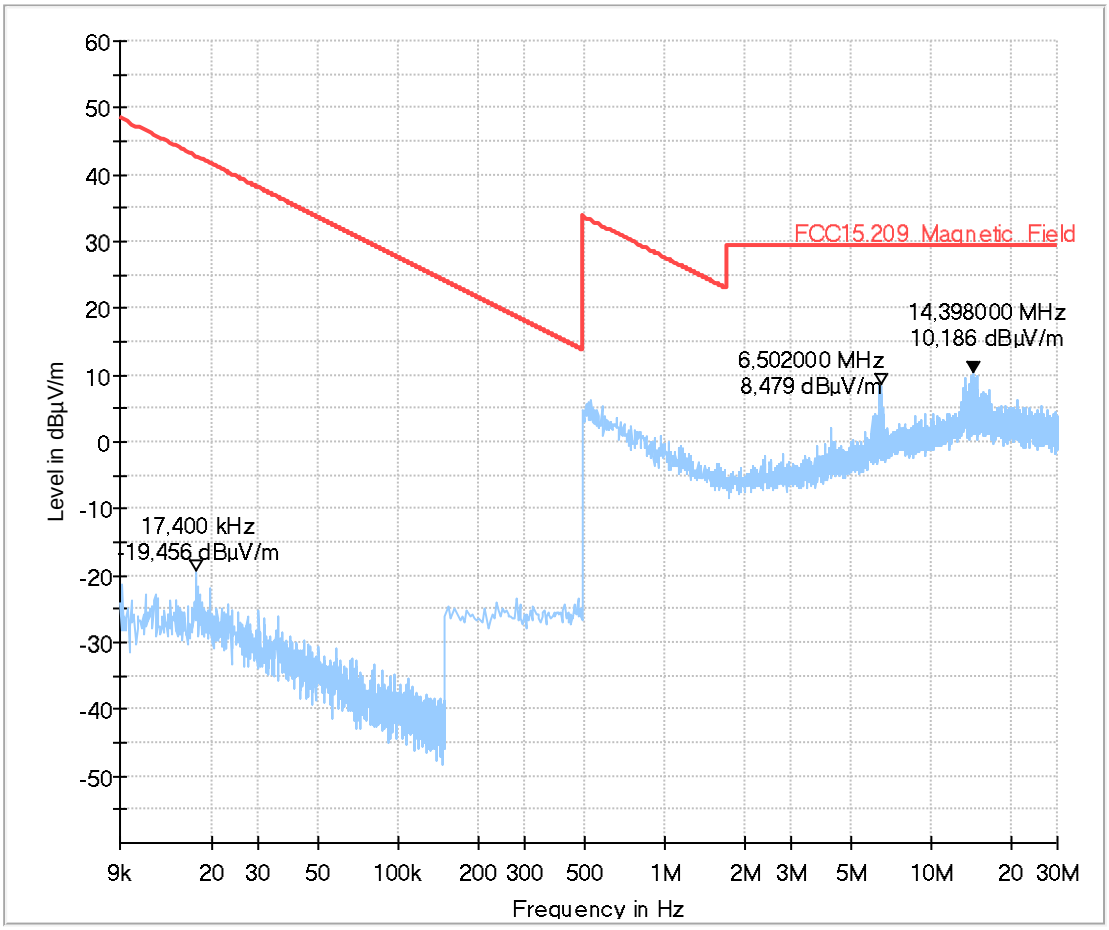


2.02a_BT_EDR_ch39_Laying

Common Information

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:	EMC.V9.25.00
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
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	BT EDR | 2-DH5 | ch39 |2441MHz | laying
Power during tests:	24V DC
Comment 1:	

Full Spectrum

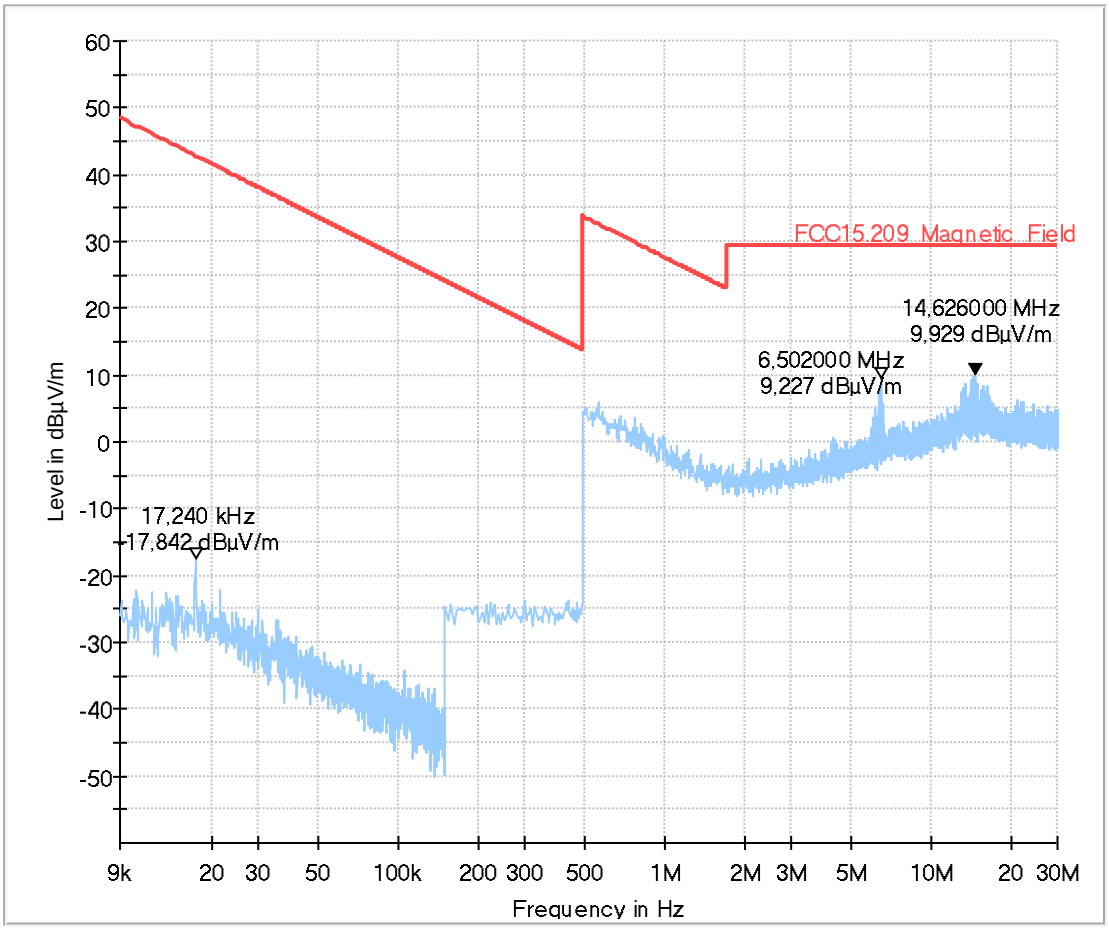


2.02b_BT_EDR_ch39_Standing

Common Information

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:	EMC.V9.25.00
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
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	RIs
Operating conditions:	BT EDR | 2-DH5 | ch39 |2441MHz| Standing
Power during tests:	24V DC
Comment 1:	

Full Spectrum

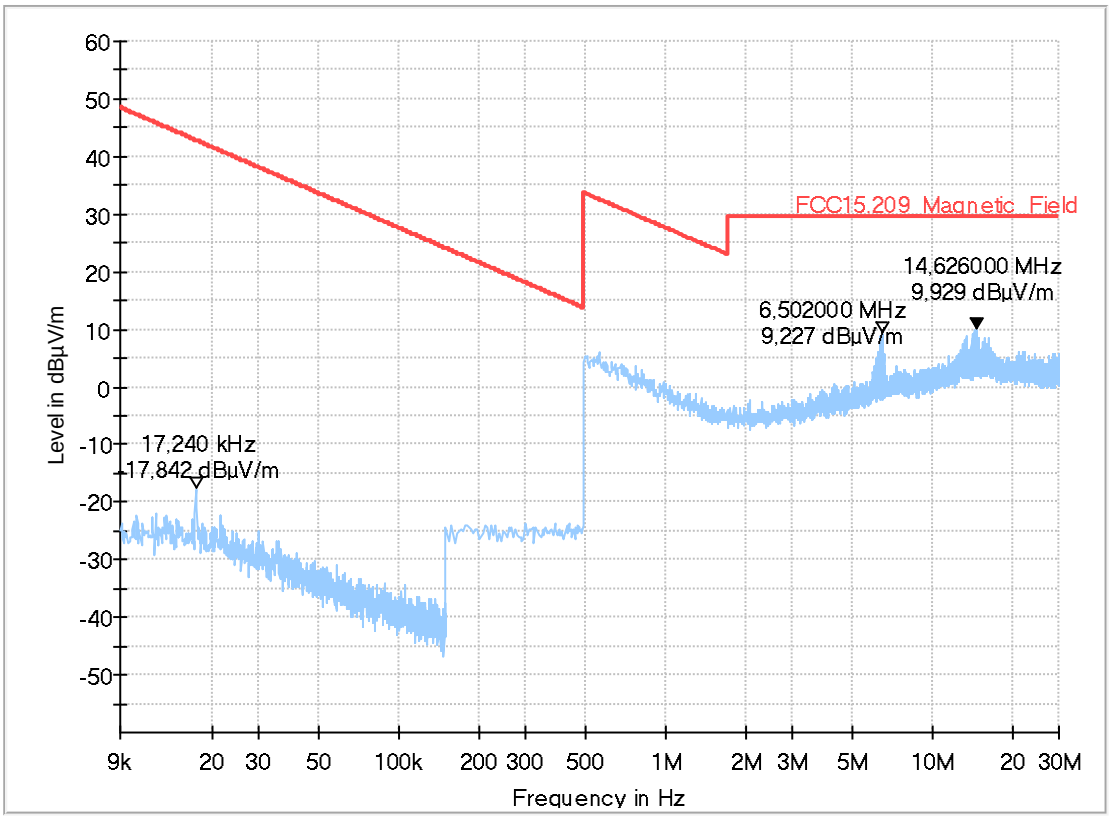


2.03a_BT_EDR_ch78_Laying

Common Information

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:	EMC.V9.25.00
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
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	Mkh/Mah
Operating conditions:	BT EDR | 3-DH5 | ch78 |2480MHz| Laying
Power during tests:	24V DC
Comment 1:	Humidity: 42%rH; Temperature: 20°C

Full Spectrum

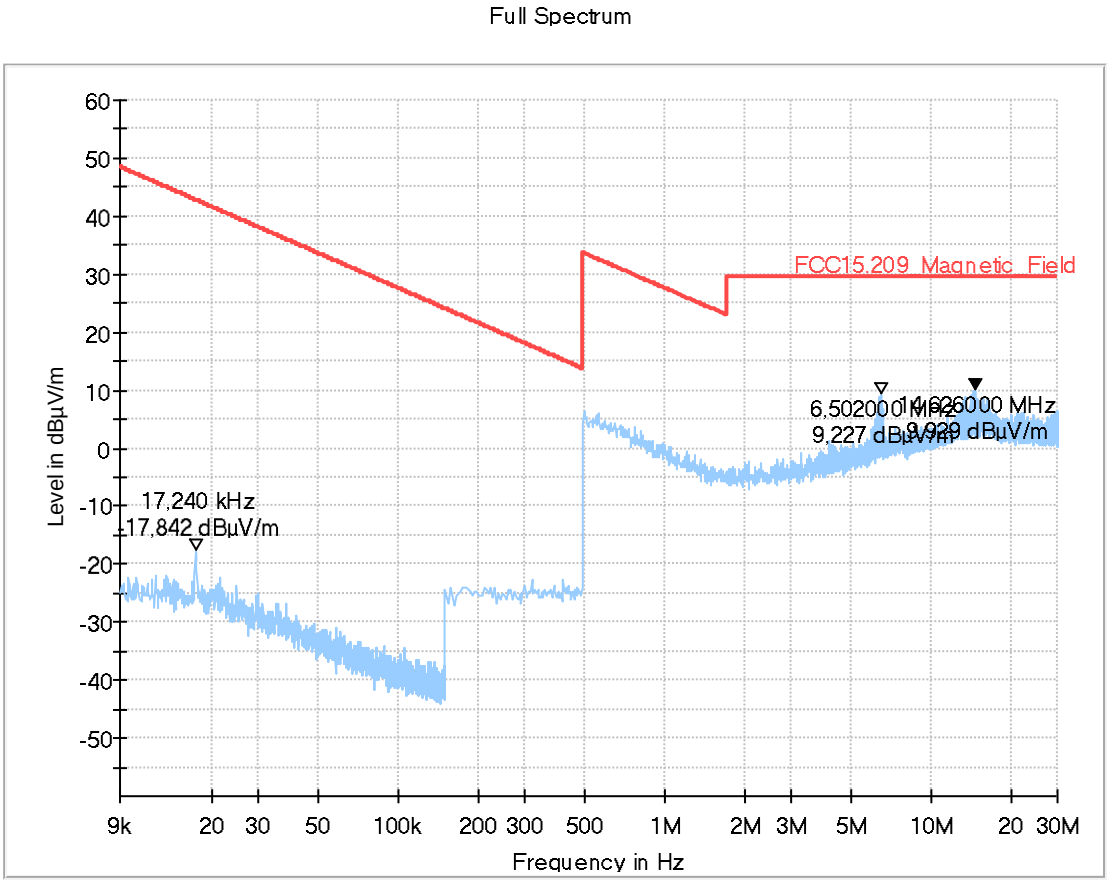


2.03b_BT_EDR_ch78_Standing

Common Information

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:	EMC.V9.25.00
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
Test specification:	FCC 15.205 § 15.209; RSS-Gen: Issue 4
Operator:	Mkh/Mah
Operating conditions:	BT EDR | 3-DH5 | ch78 |2480MHz| Standing
Power during tests:	24V DC
Comment 1:	Humidity: 42%rH; Temperature: 20°C

Full Spectrum



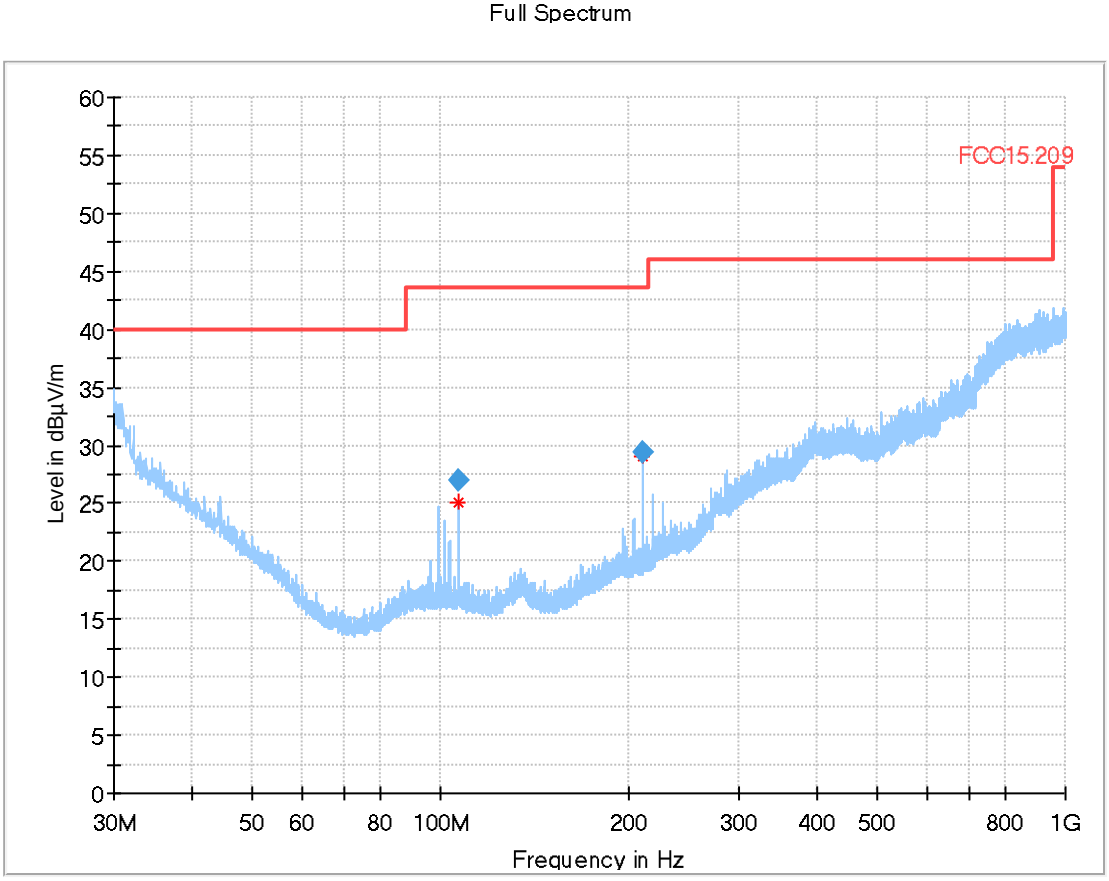
3.2. Radiated Field Strength Emissions – 30 MHz to 1 GHz

3.01a_BT_BR_ch00_Laying

04.09.2018 Page 1 of 4

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:	Bluetooth
Distance correction:	Please see page 2 for detailed data of measurement setup
Used filter:	front, right, rear, left
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	Mfk
Operating conditions:	BT / WLAN
Power during tests:	24V DC
Comment 1:	Bluetooth_Laying

Full Spectrum



Final_Result

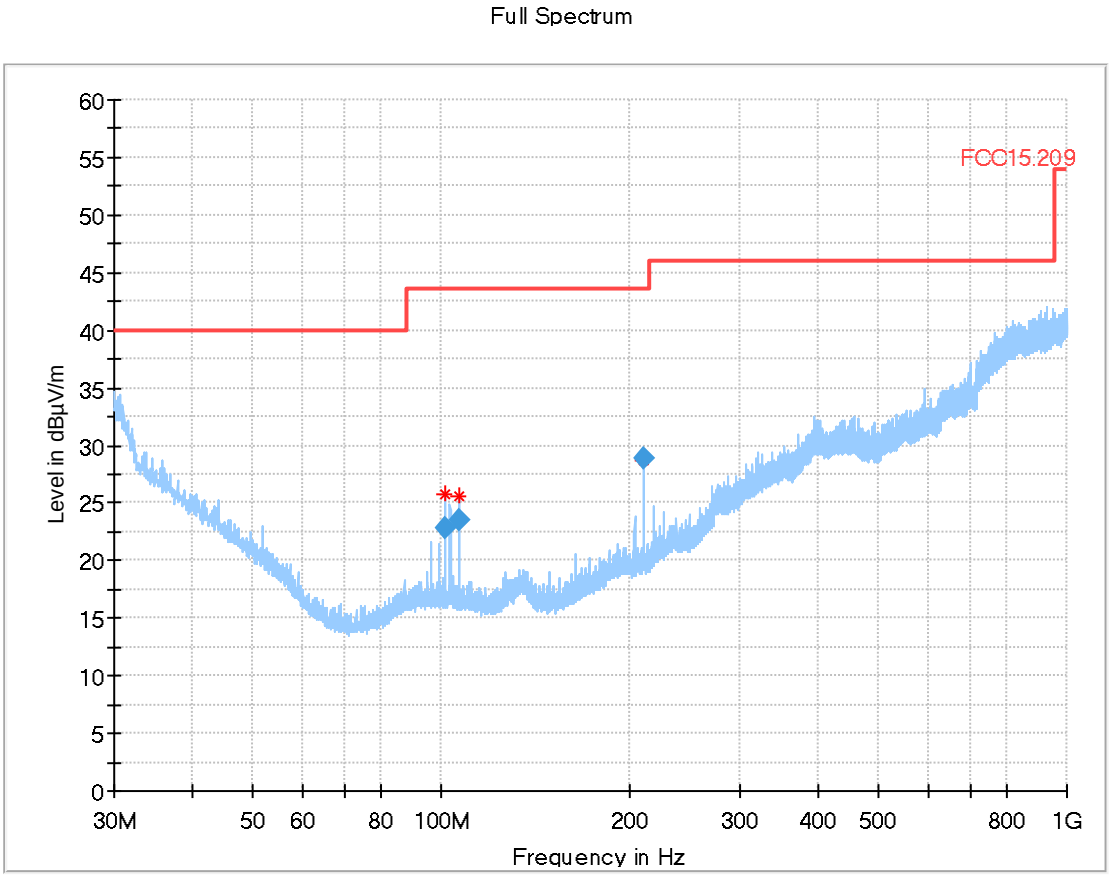
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
106.708000	26.95	43.50	16.55	1000.0	120.000	117.0	V	-8.0	0.0	8.1
211.304000	29.45	43.50	14.05	1000.0	120.000	151.0	H	-4.0	0.0	11.7

Diagram No. 3.01b_BT_BR_ch00_Standing

04.09.2018 Page 1 of 4

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:	Bluetooth
Distance correction:	Please see page 2 for detailed data of measurement setup
Used filter:	front, right, rear, left
Technical Data:	please see page 2 for detailed data of measurement setup
Test specification.:	FCC 15.209; RSS-Gen: Issue 3
Operator:	Mfk
Operating conditions:	BT / WLAN
Power during tests:	24V DC
Comment 1:	Bluetooth_Standing

Full Spectrum



Final_Result

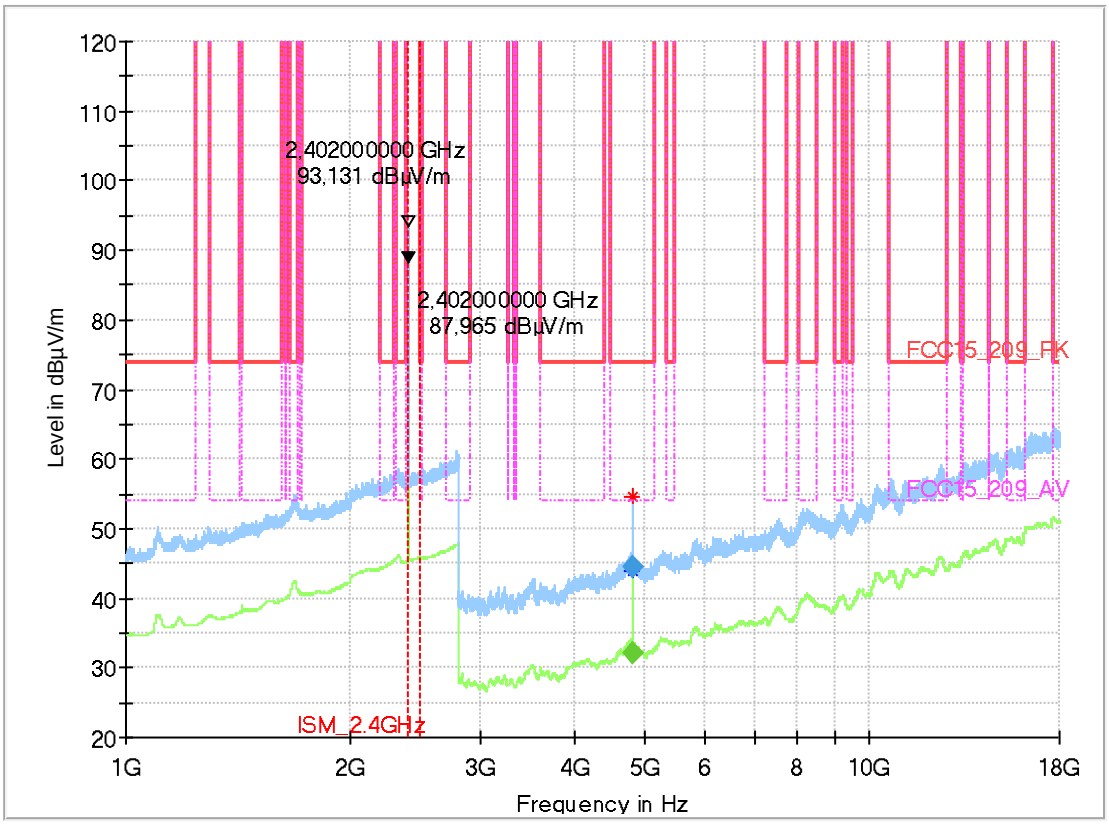
Frequency (MHz)	QuasiPeak (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time (ms)	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)	Corr. (dB)
101.296000	22.80	43.50	20.70	1000.0	120.000	113.0	V	329.0	0.0	8.1
106.692000	23.46	43.50	20.04	1000.0	120.000	113.0	V	63.0	0.0	8.1
211.300000	28.95	43.50	14.55	1000.0	120.000	153.0	H	238.0	0.0	11.7

3.3. Radiated Field Strength Emissions – 1 GHz to 18 GHz

4.01a_BT_BR_ch00

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:	BT EDR | DH5 | ch00 |2402MHz
Operator Name:	RIs



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)
4804.000000	---	32.00	54.00	22.00	100.0	1000.000	155.0	H	-5.0	0.0
4804.000000	44.54	---	74.00	29.46	100.0	1000.000	155.0	H	39.0	0.0

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

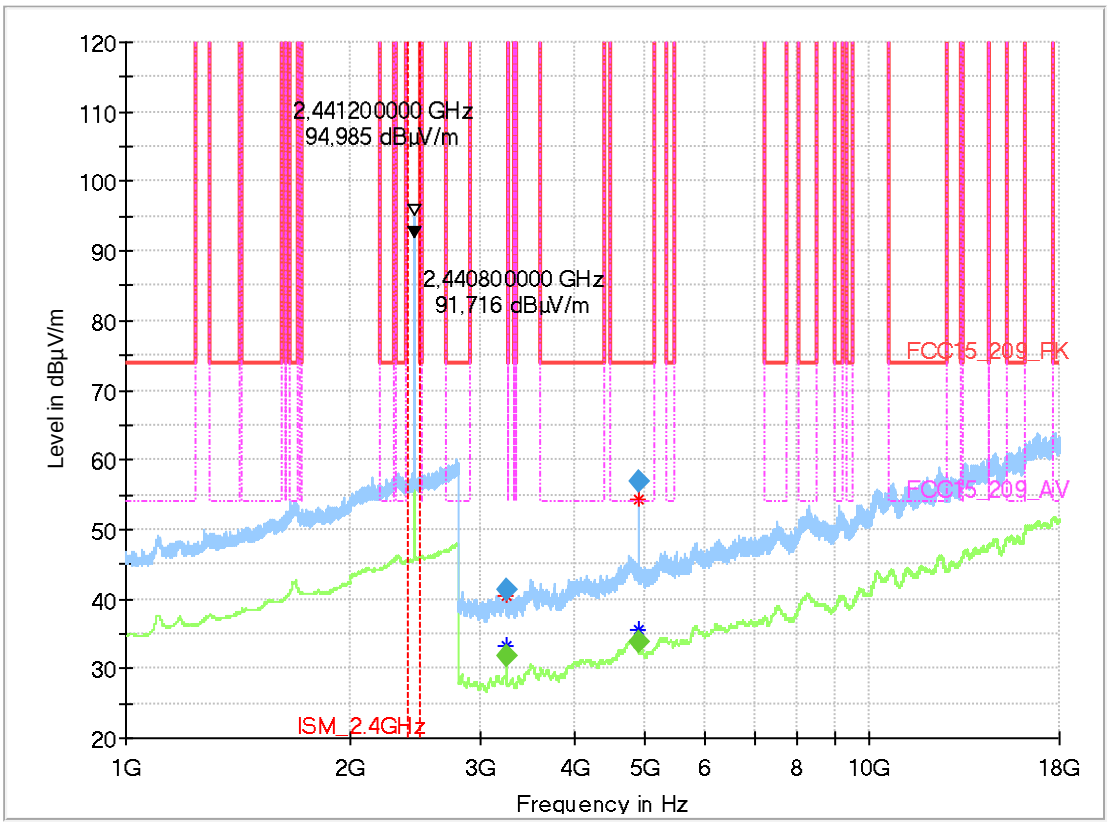
Frequency (MHz)	Corr.	Comment
4804.000000	5.1	00:49:31 - 02.09.2018
4804.000000	5.1	00:48:06 - 02.09.2018

4.02a_BT_EDR_ch39

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:	BT EDR | 2-DH5 | ch39 |2441MHz
Operator Name:	RIs
Comment:	

Full Spectrum



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)
3256.000000	---	31.68	150.00	118.32	100.0	1000.000	155.0	H	272.0	90.0
3256.000000	41.31	---	150.00	108.69	100.0	1000.000	155.0	H	270.0	90.0
4882.000000	56.76	---	74.00	17.24	100.0	1000.000	155.0	H	81.0	90.0
4882.000000	---	33.96	54.00	20.04	100.0	1000.000	155.0	H	82.0	90.0

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

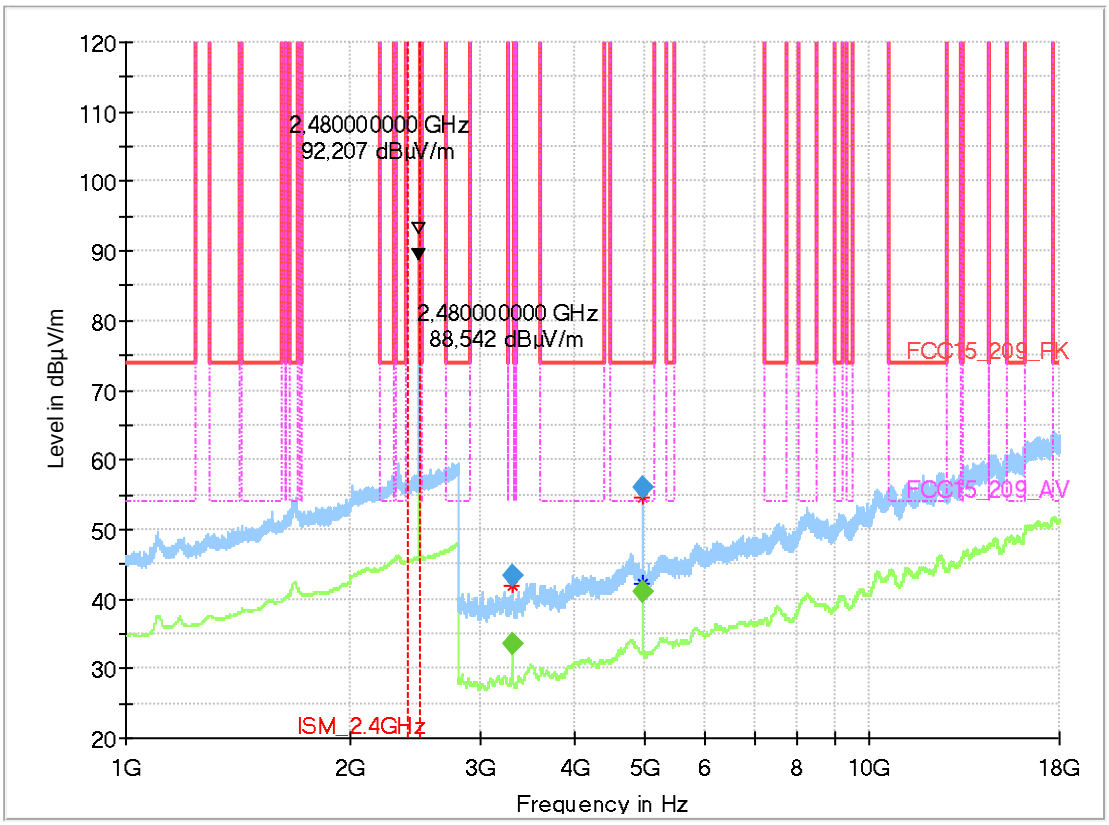
Frequency (MHz)	Corr.	Comment
3256.000000	-0.1	17:22:32 - 03.09.2018
3256.000000	-0.1	17:19:22 - 03.09.2018
4882.000000	4.3	17:17:49 - 03.09.2018
4882.000000	4.3	17:21:02 - 03.09.2018

4.03a_BT_EDR_ch78

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:	BT EDR | 3-DH5 | ch78 |2480MHz
Operator Name:	RIs
Comment:	

Full Spectrum



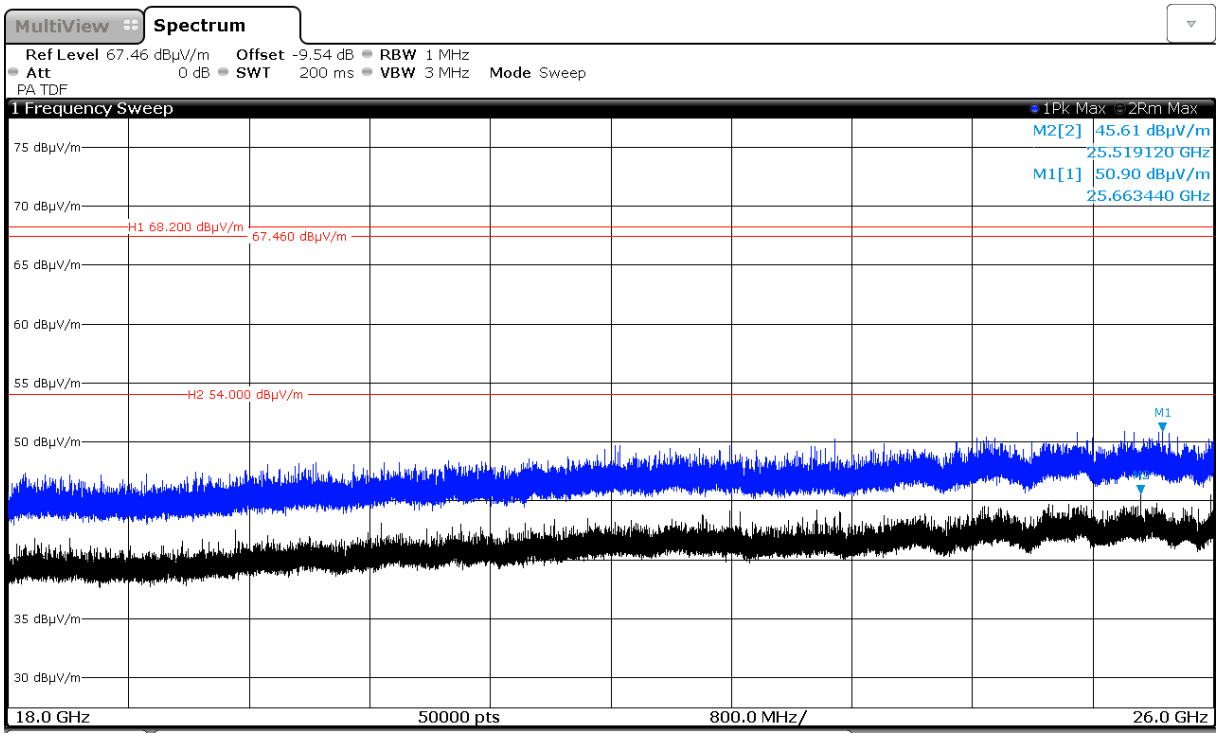
Final_Result

Frequency (MHz)	MaxPeak (dBµV/m)	Average (dBµV/m)	Limit (dBµV/m)	Margin (dB)	Meas. Time	Bandwidth (kHz)	Height (cm)	Pol	Azimuth (deg)	Elevation (deg)
3308.000000	---	33.41	150.00	116.59	100.0	1000.000	155.0	H	271.0	90.0
3308.000000	43.39	---	150.00	106.61	100.0	1000.000	155.0	H	271.0	90.0
4960.000000	55.98	---	74.00	18.02	100.0	1000.000	155.0	H	80.0	90.0
4960.400000	---	41.01	54.00	12.99	100.0	1000.000	155.0	H	82.0	90.0

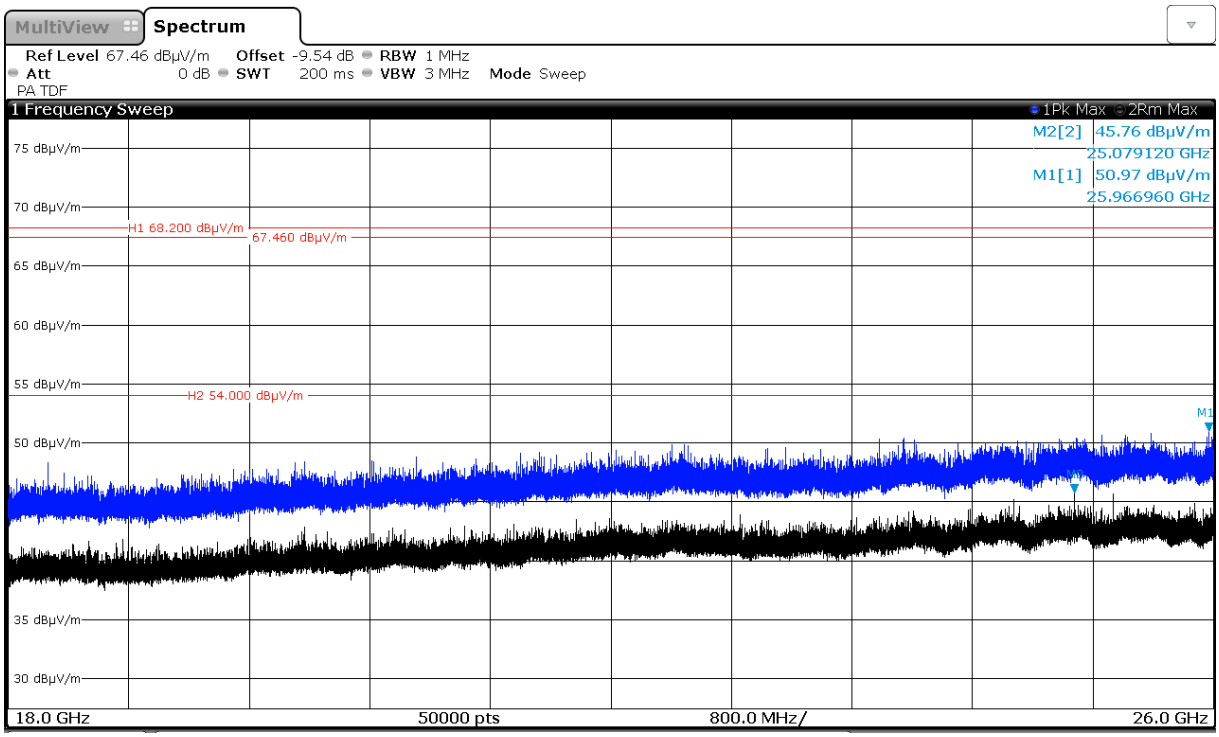
(continuation of the "Final_Result" table from column 16 ...)

Frequency (MHz)	Corr.	Comment
3308.000000	-0.4	18:59:35 - 03.09.2018
3308.000000	-0.4	18:56:24 - 03.09.2018
4960.000000	3.9	18:54:52 - 03.09.2018
4960.400000	3.9	18:58:04 - 03.09.2018

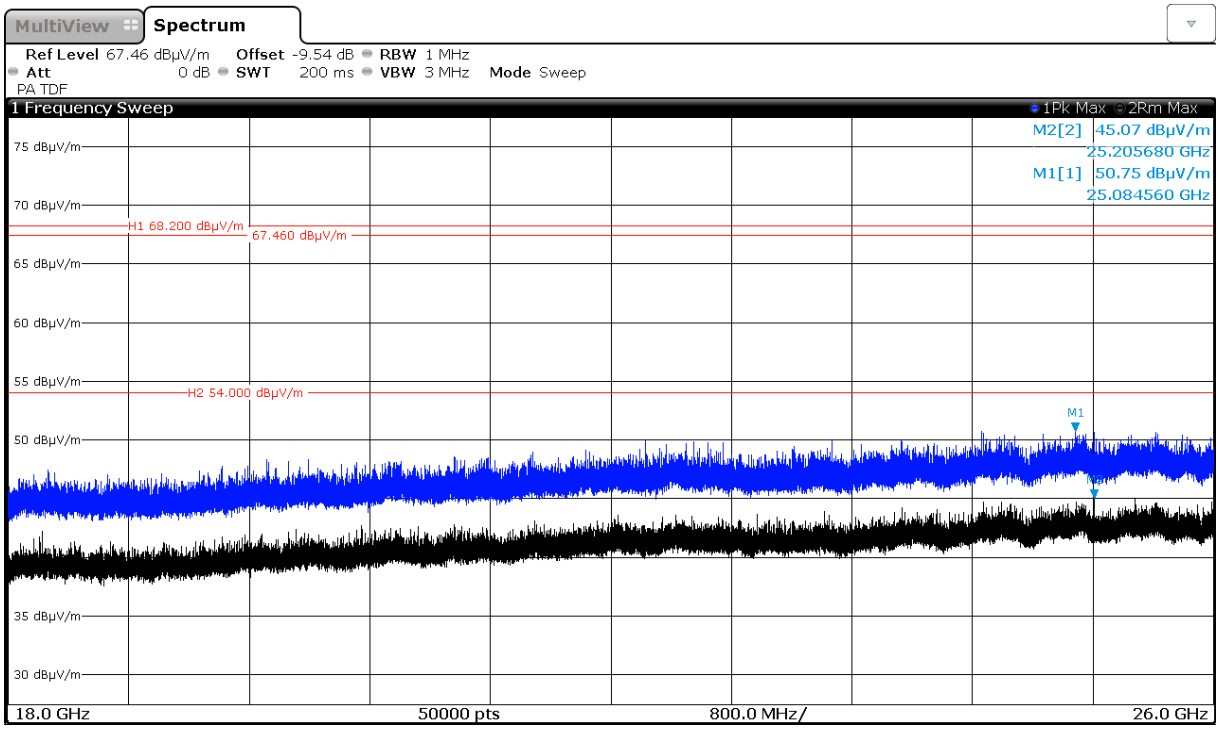
3.3.1. Radiated Field Strength Emissions – 18 GHz to 26.5 GHz



4.01b_BT_BR_ch00



4.02b_BT_EDR_ch39



4.03b_BT_EDR_ch78

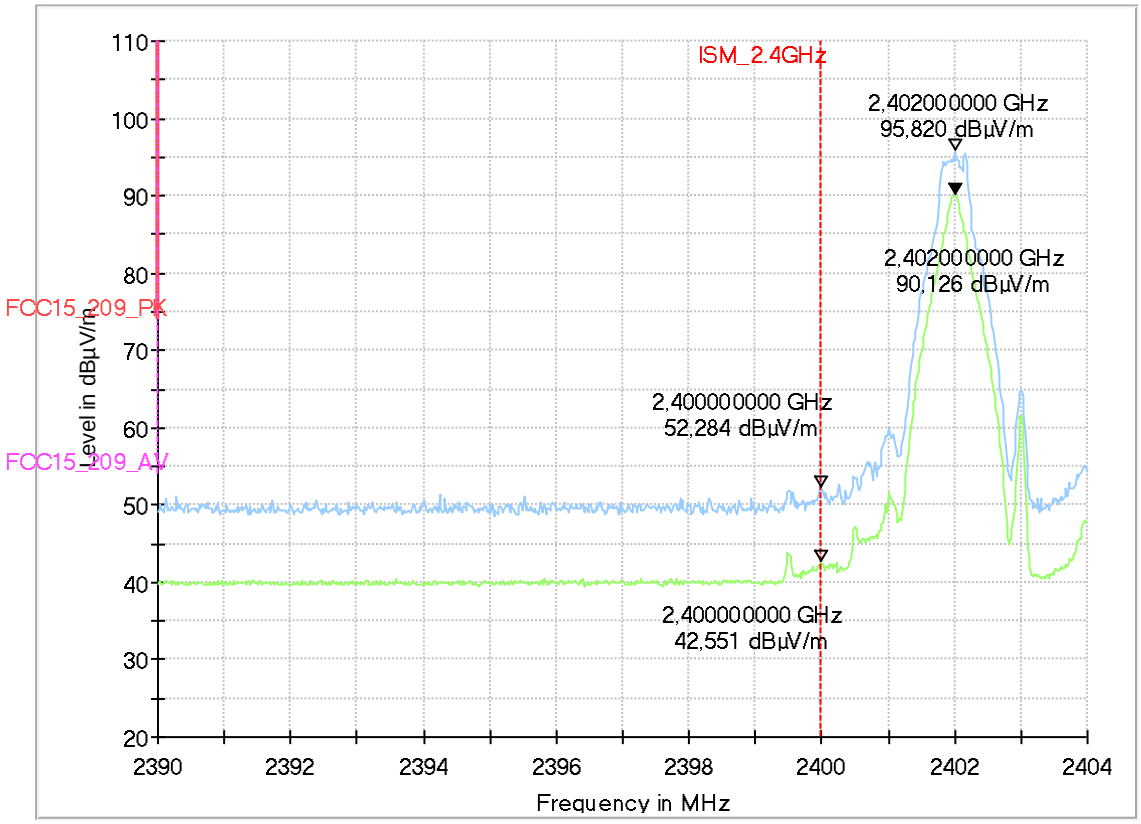
4. Radiated Band-Edge Measurements

9.01a_BT_BR_ch00

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:	BT EDR | DH5 | ch00 |2402MHz
Operator Name:	RIs
Comment:	

Full Spectrum

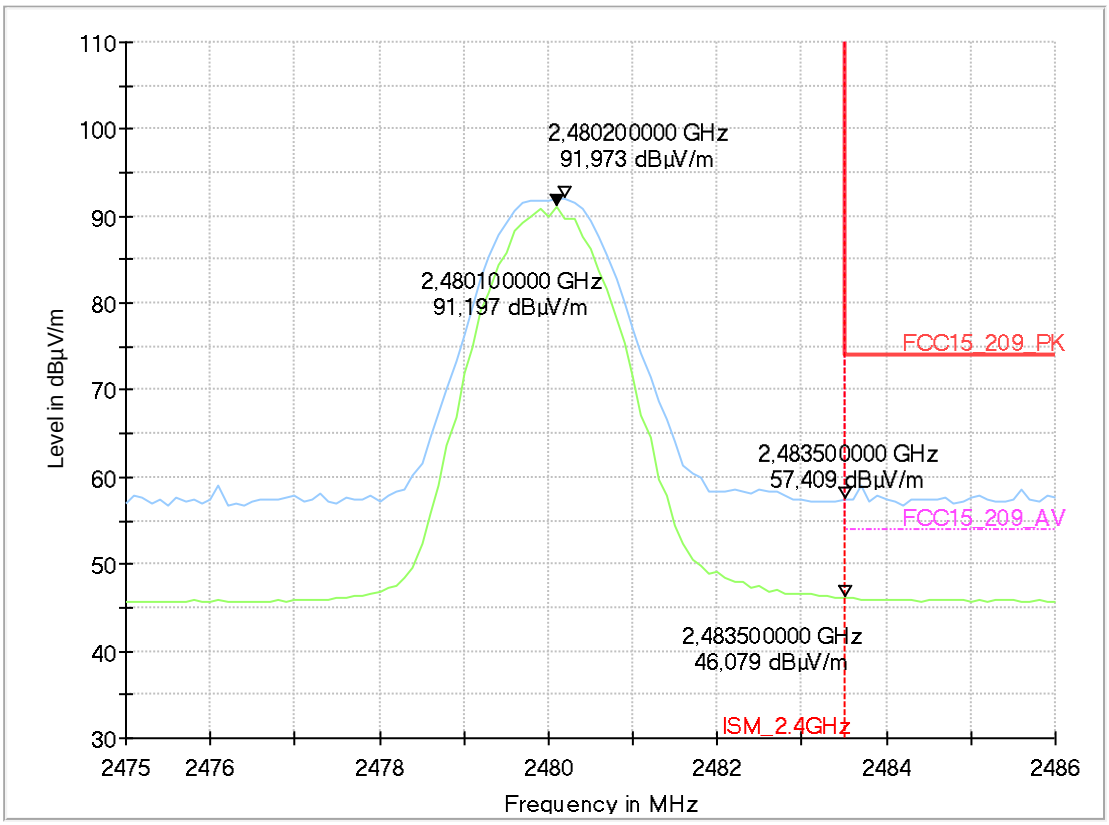


9.01b_BT_BR_ch78

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:	BT EDR | DH5 | ch78 |2480MHz
Operator Name:	RIs
Comment:	

Full Spectrum

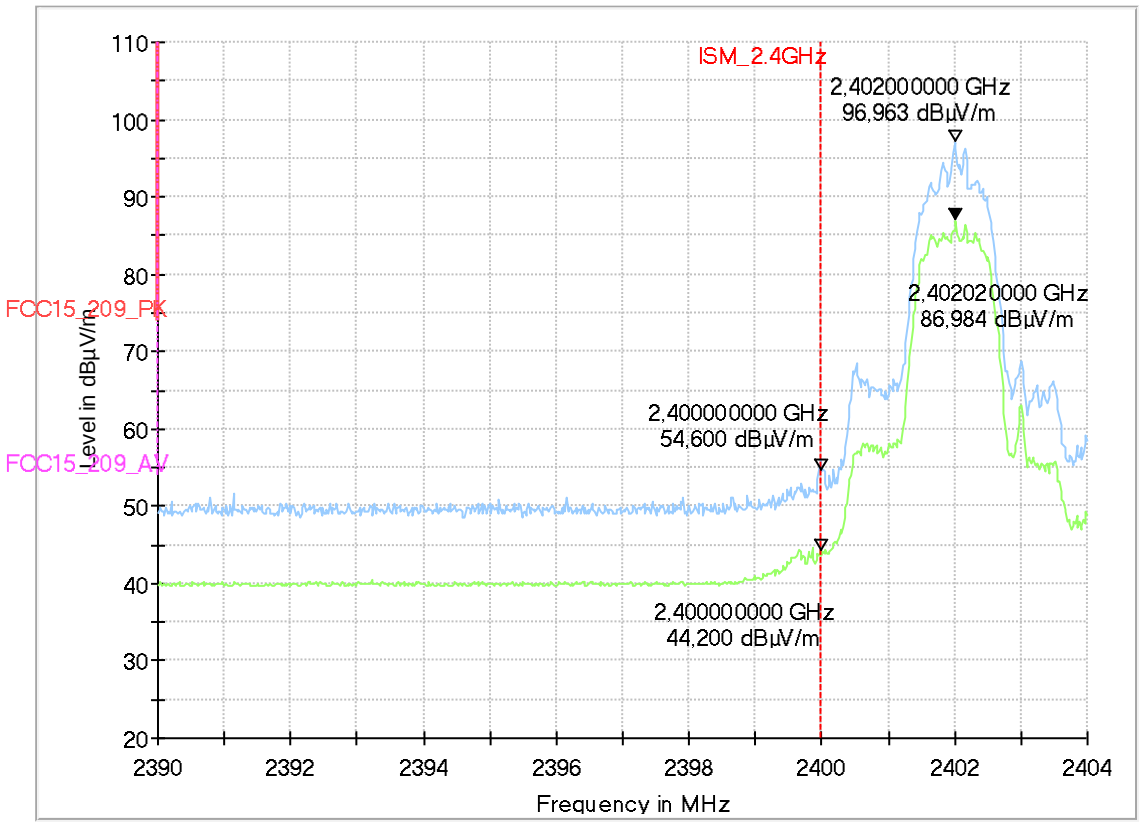


9.02a_BT_EDR_ch00

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:	BT EDR | 2-DH5 | ch00 |2402MHz
Operator Name:	RIs
Comment:	

Full Spectrum

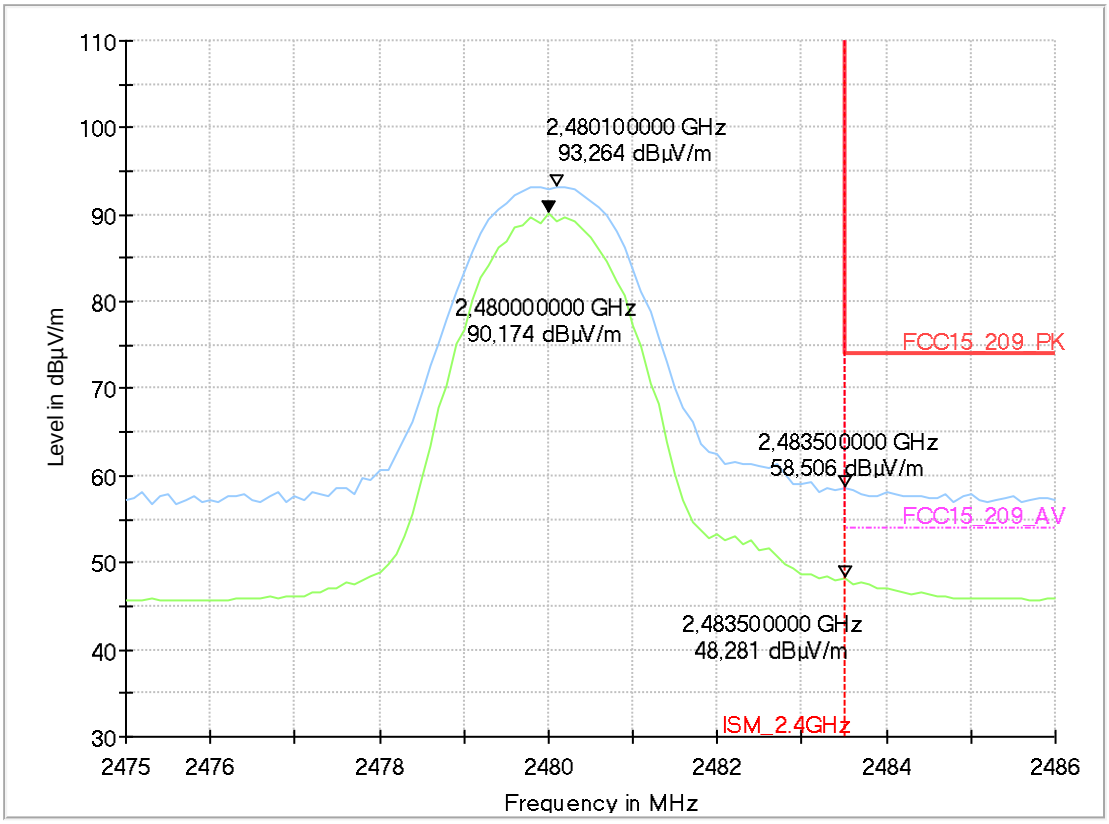


9.02b_BT_EDR_ch78

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:	BT EDR | 2-DH5 | ch78 |2480MHz
Operator Name:	RIs
Comment:	

Full Spectrum

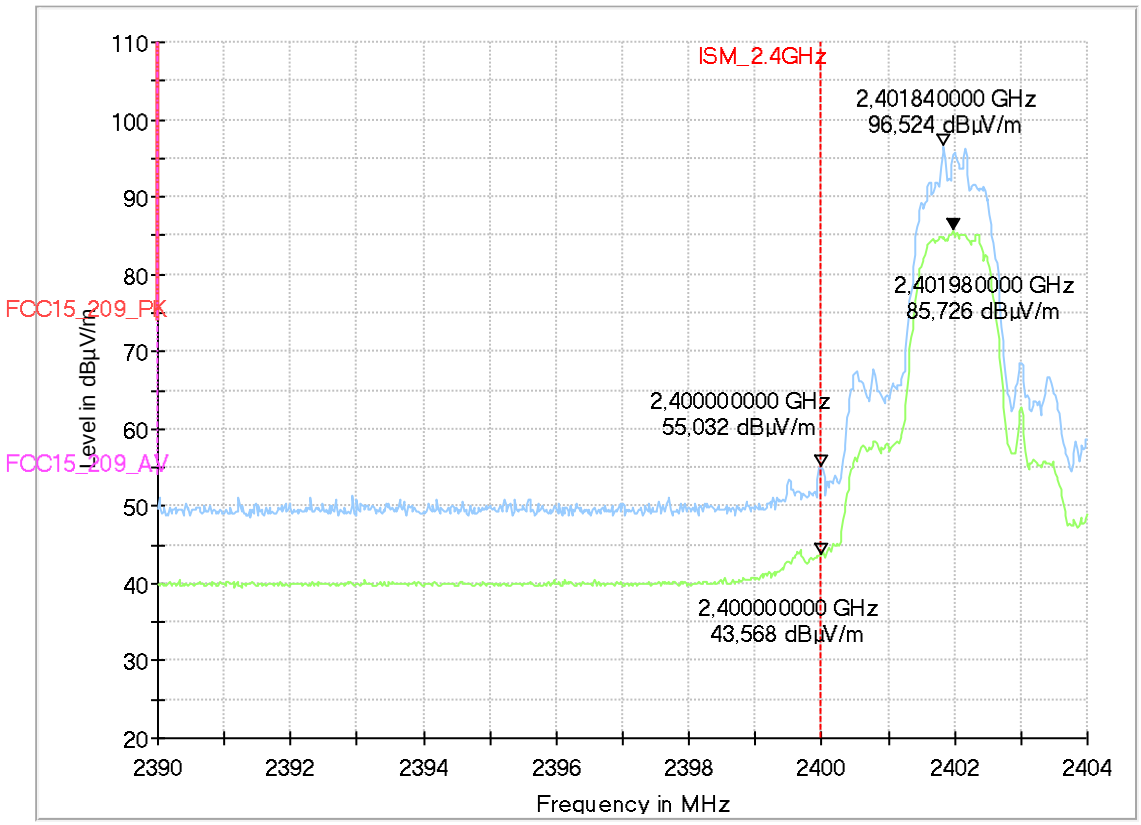


9.03a_BT_EDR_ch00

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:	BT EDR | 3-DH5 | ch00 |2402MHz
Operator Name:	RIs
Comment:	

Full Spectrum



9.03b_BT_EDR_ch78

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:	BT EDR | 3-DH5 | ch78 |2480MHz
Operator Name:	RIs
Comment:	

Full Spectrum

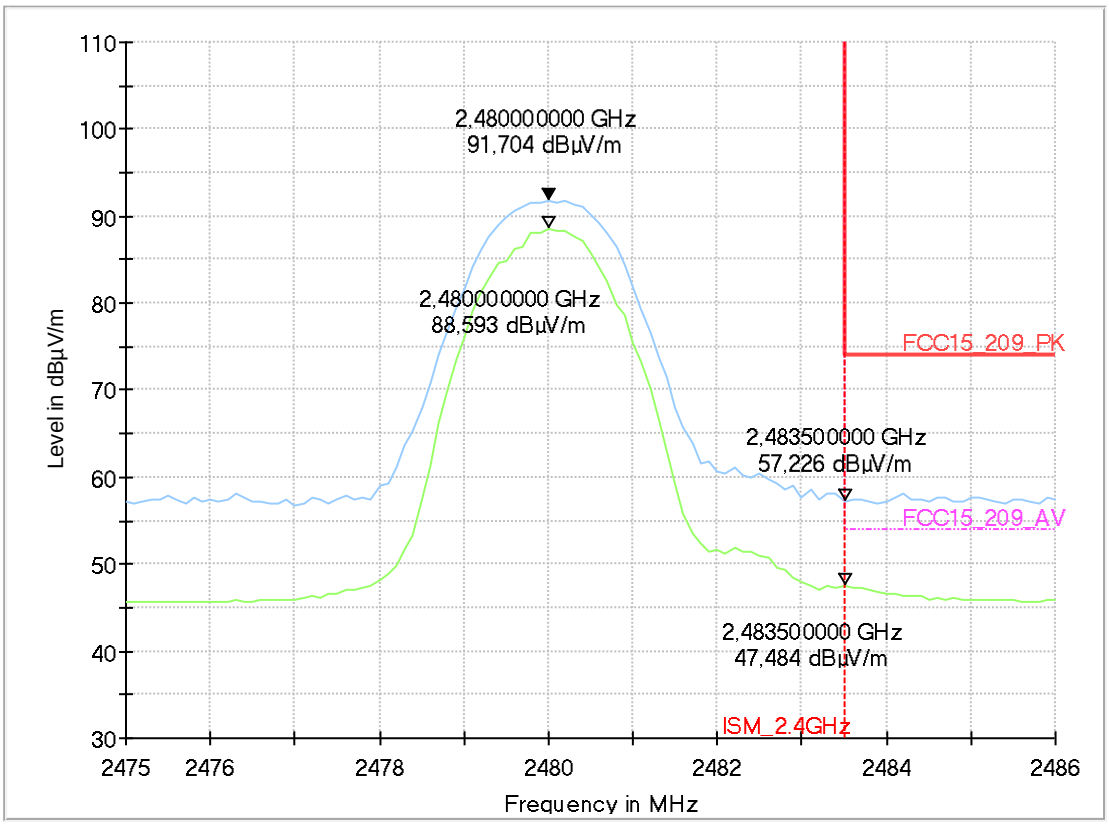


Diagram No.: 9.04a_BT_Hopping_ch00

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:	TX, Hopping
Operator Name:	Mah
Comment:	BT Hopping Mode | Ch00 |2402MHz
Comment2:	BT Hopping Mode | Ch00 |2402MHz

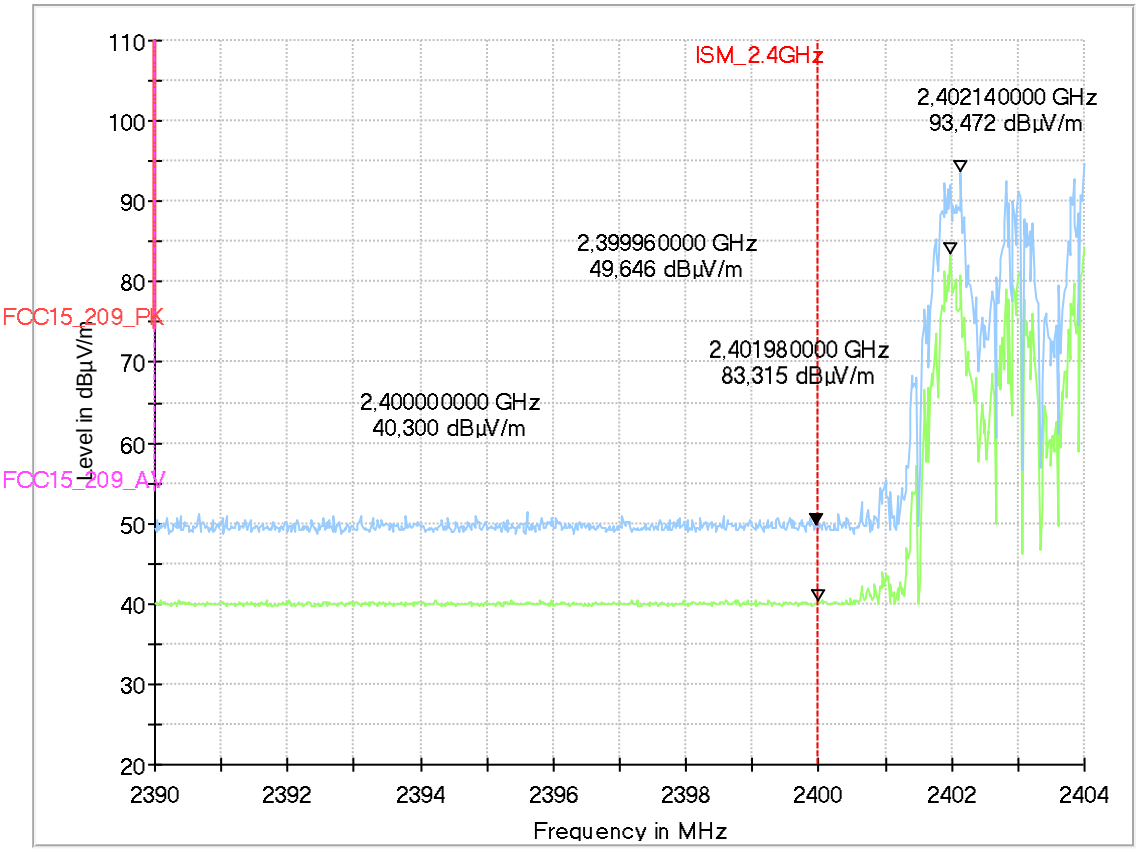


Diagram No.: 9.04b_BT_Hopping_ch78

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:	TX, Hopping
Operator Name:	Mah
Comment:	BT Hopping Mode | ch78 |2480MHz
Comment2:	BT Hopping Mode | ch78 |2480MHz