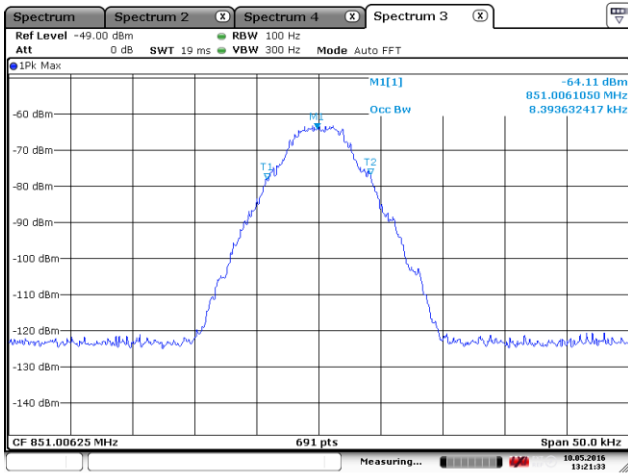


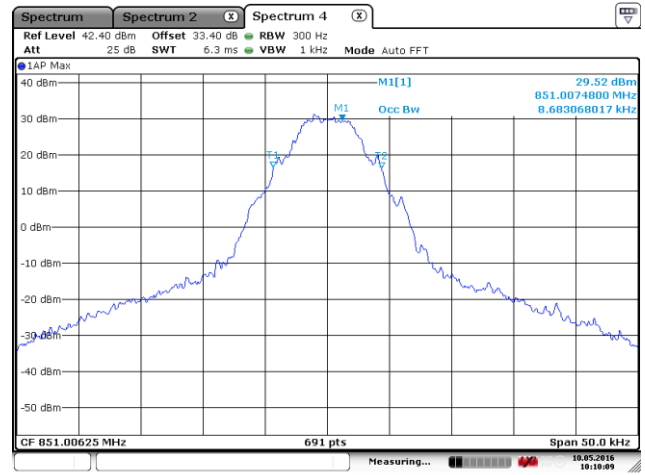
6.2.5.2 800MHz Band

6.2.5.2.1 Modulation signal: C4FM

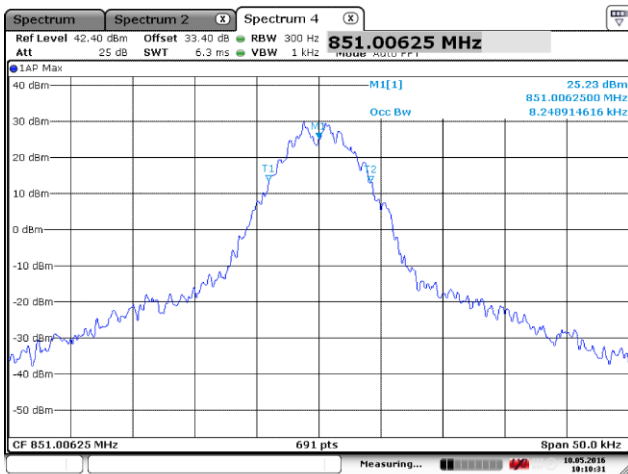
(1) Downlink



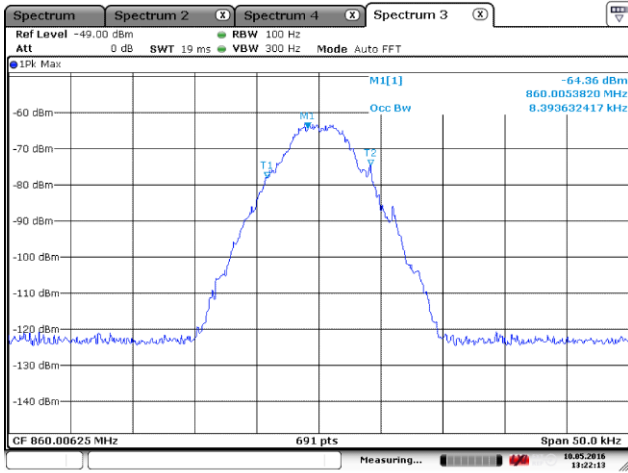
Low Frequency: 851.00625MHz, Input occupied BW



Low Frequency: 851.00625MHz, Output occupied BW(ALC)

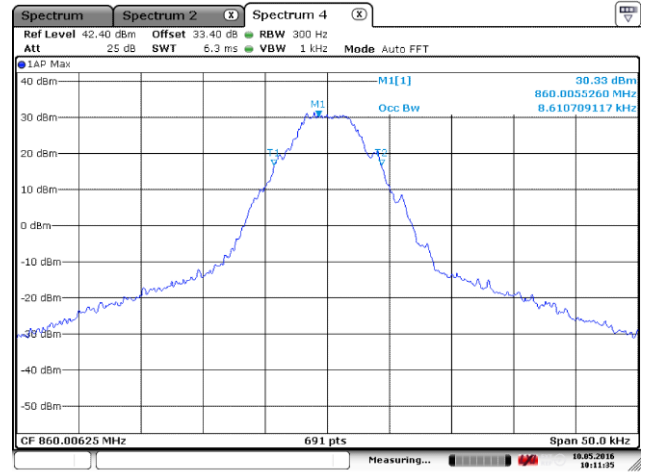


Low Frequency: 851.00625MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



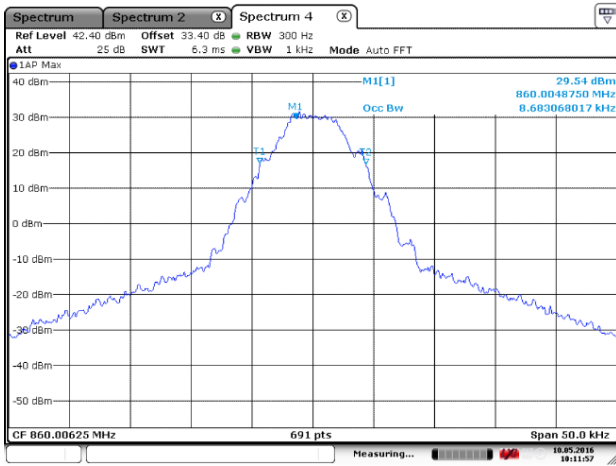
Date: 10.MAY.2016 13:22:13

Mid Frequency: 860.00625MHz, Input occupied BW



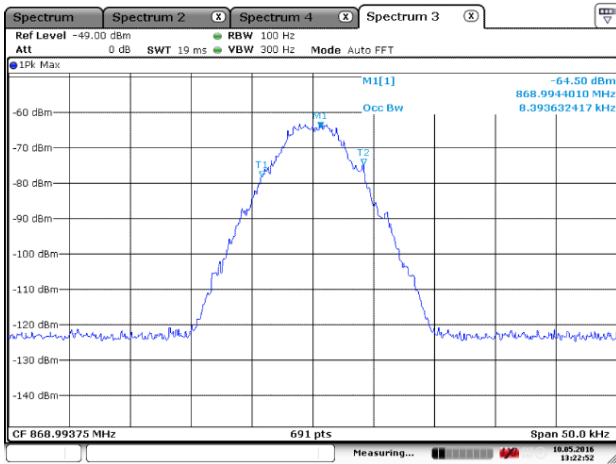
Date: 10.MAY.2016 10:11:35

Mid Frequency: 860.00625MHz, Output occupied BW(ALC)



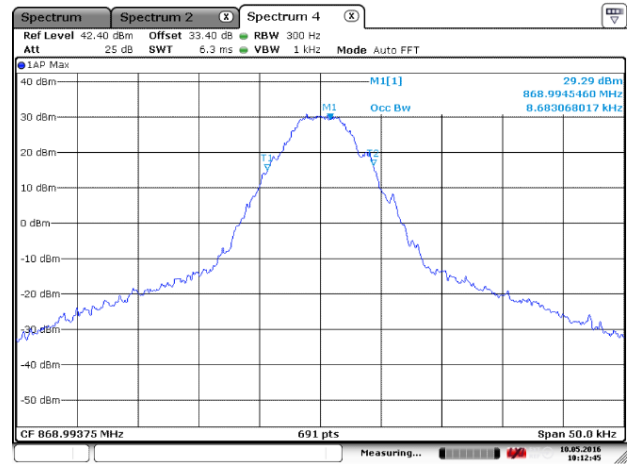
Date: 10.MAY.2016 10:11:57

Mid Frequency: 860.00625MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



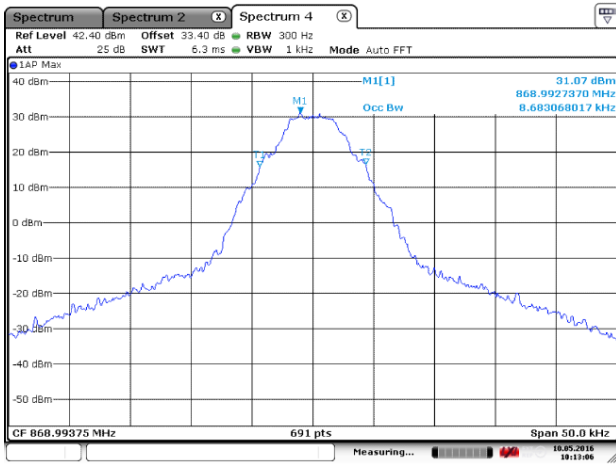
Date: 10.MAY.2016 13:22:53

High Frequency: 868.99375MHz, Input occupied BW



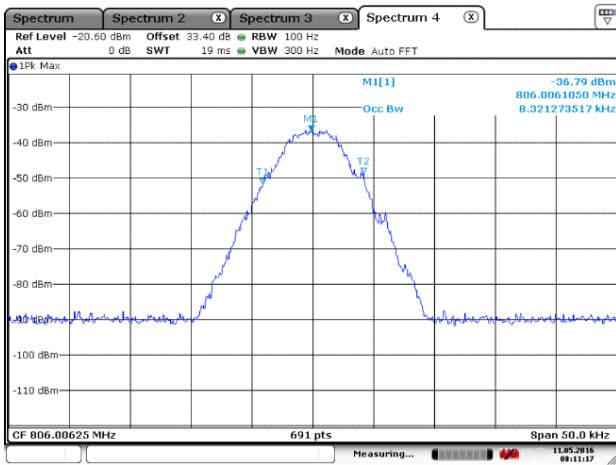
Date: 10.MAY.2016 10:12:46

High Frequency: 868.99375MHz, Output occupied BW(ALC)

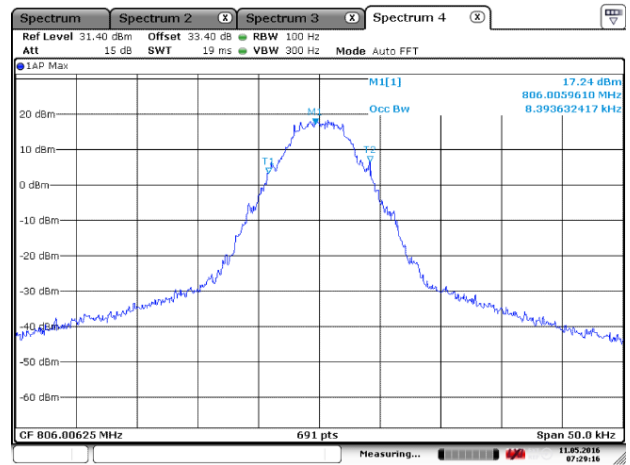


High Frequency: 868.99375MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)

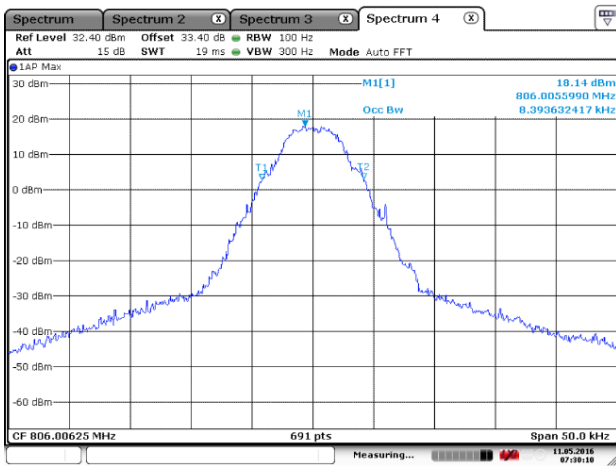
(2) Uplink



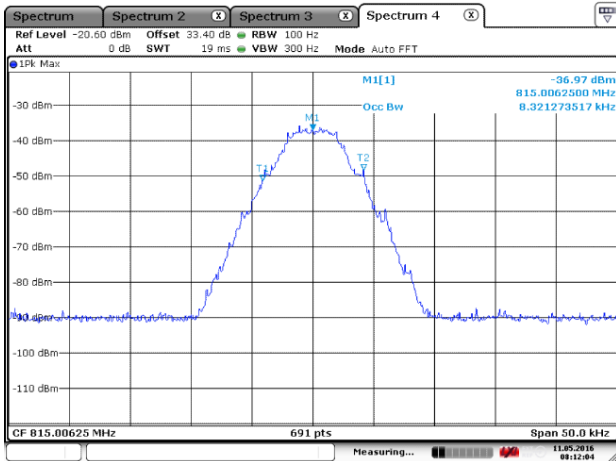
Low Frequency: 806.00625MHz, Input occupied BW



Low Frequency: 806.00625MHz, Output occupied BW(ALC)

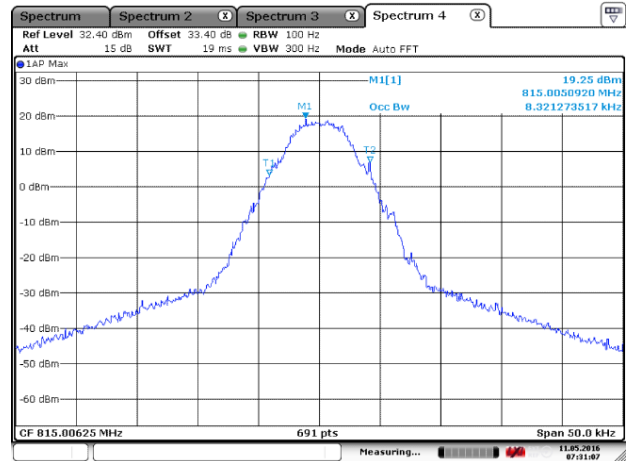


Low Frequency: 806.00625MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



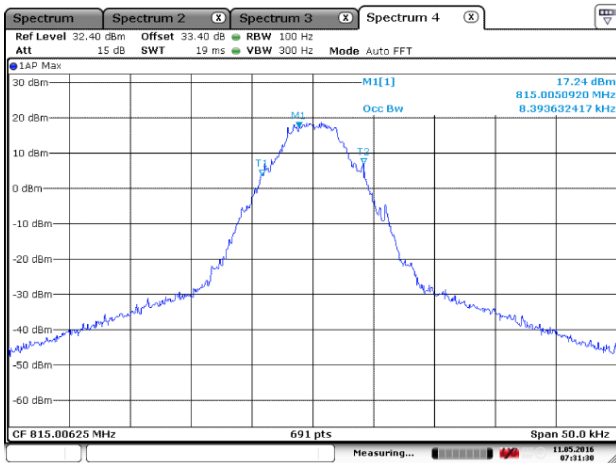
Date: 11.MAY.2016 08:12:04

Mid Frequency: 815.00625MHz, Input occupied BW



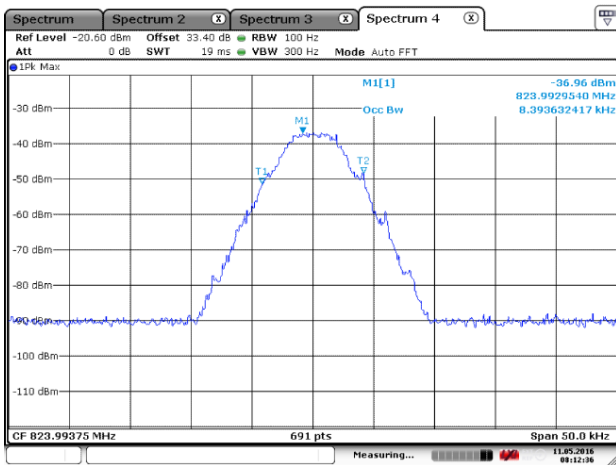
Date: 11.MAY.2016 07:31:07

Mid Frequency: 815.00625MHz, Output occupied BW(ALC)



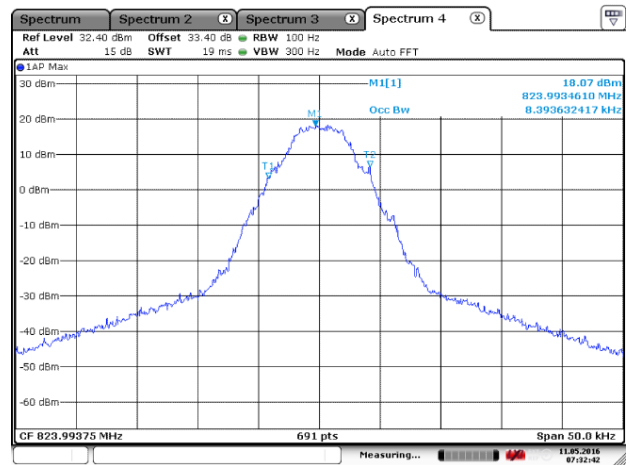
Date: 11.MAY.2016 07:31:30

Mid Frequency: 815.00625MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



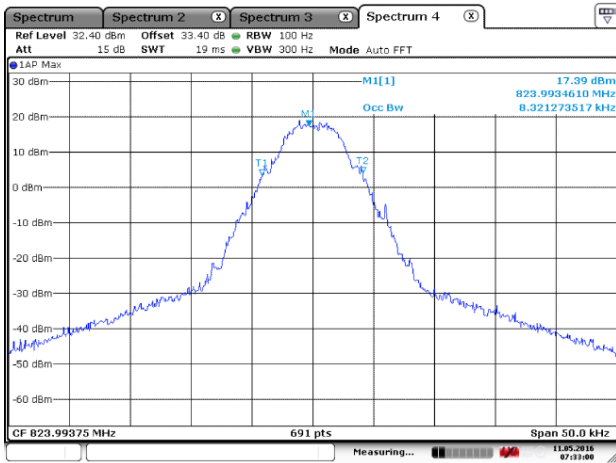
Date: 11.MAY.2016 08:12:36

High Frequency: 823.99375MHz, Input occupied BW



Date: 11.MAY.2016 07:32:42

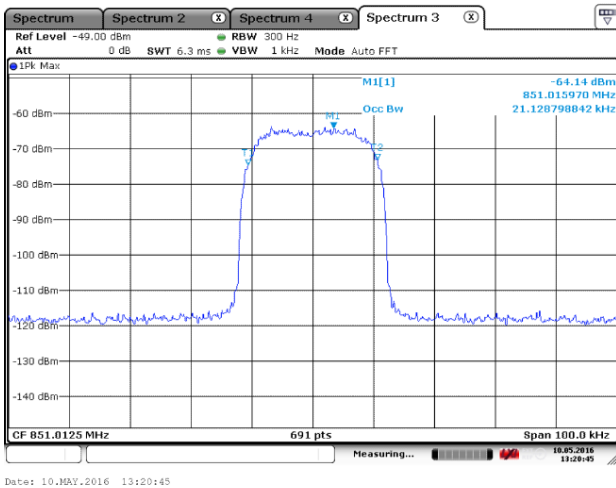
High Frequency: 823.99375MHz, Output occupied BW(ALC)



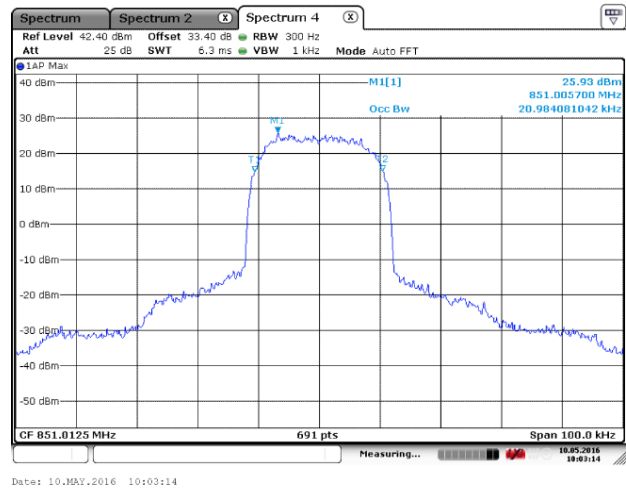
High Frequency: 823.99375MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)

6.2.5.2.2 Modulation signal: Tetra

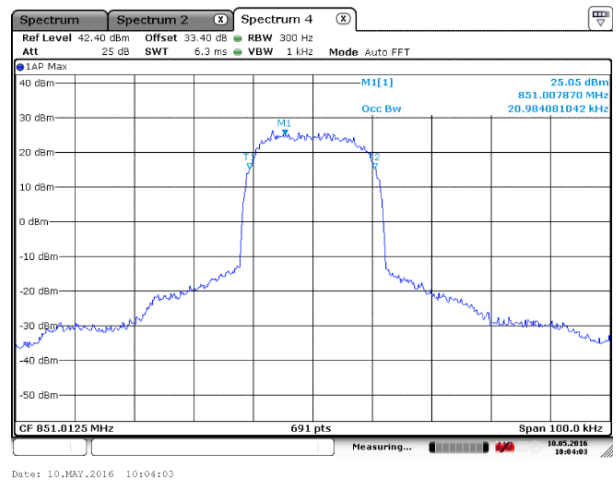
(1) Downlink



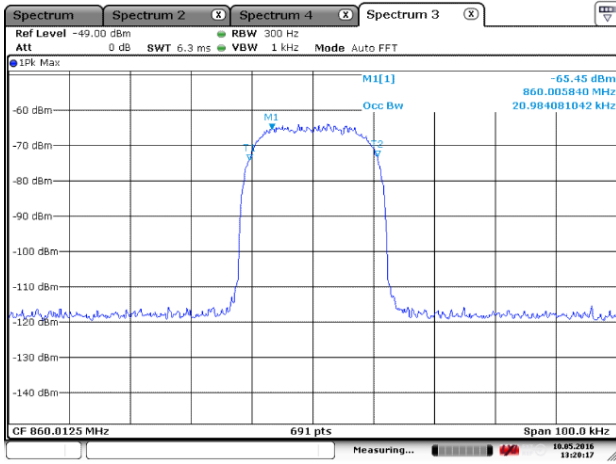
Low Frequency: 851.0125MHz, Input occupied BW



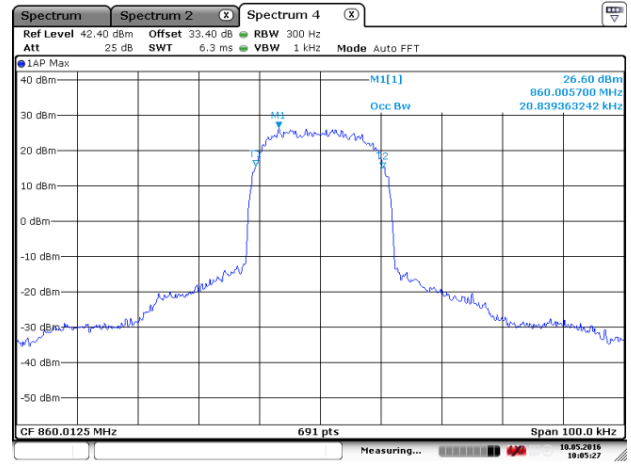
Low Frequency: 851.0125MHz, Output occupied BW(ALC)



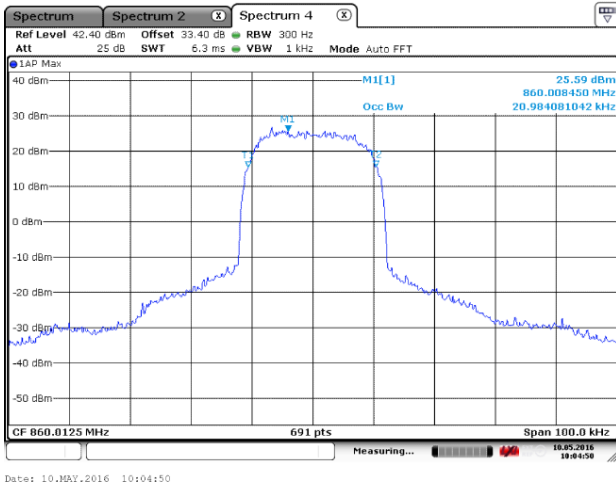
Low Frequency: 851.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



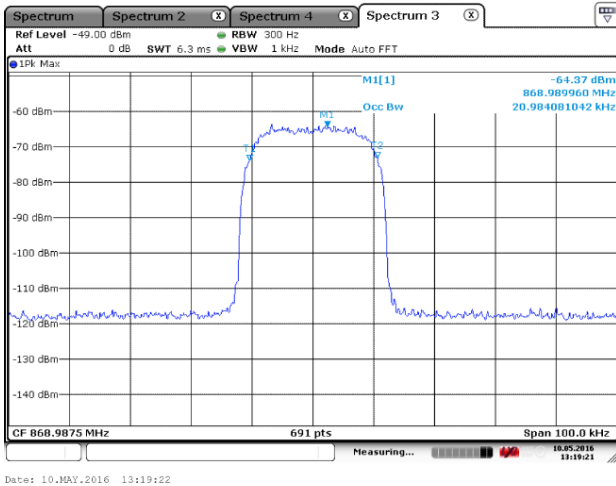
Mid Frequency: 860.0125MHz, Input occupied BW



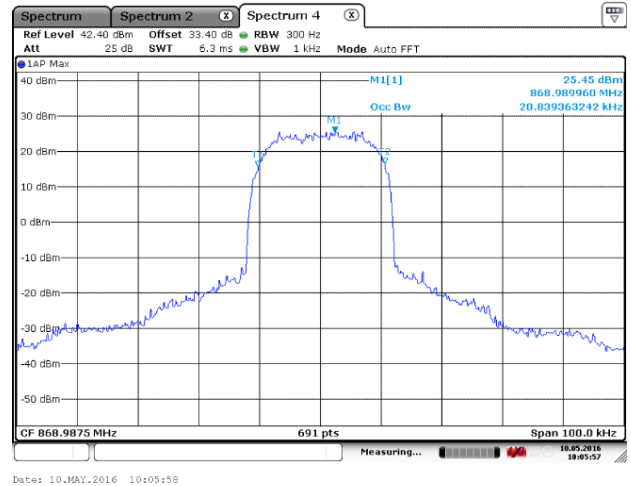
Mid Frequency: 860.0125MHz, Output occupied BW(ALC)



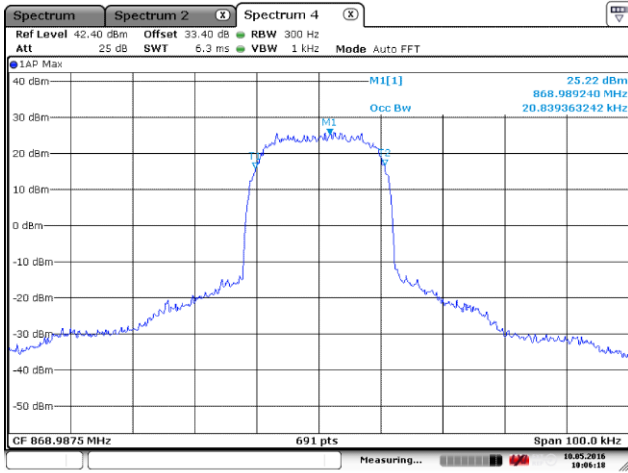
Mid Frequency: 860.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



High Frequency: 868.9875MHz, Input occupied BW

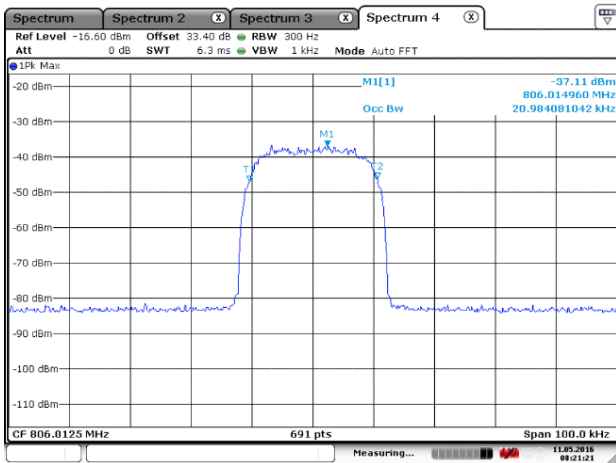


High Frequency: 868.9875MHz, Output occupied BW(ALC)

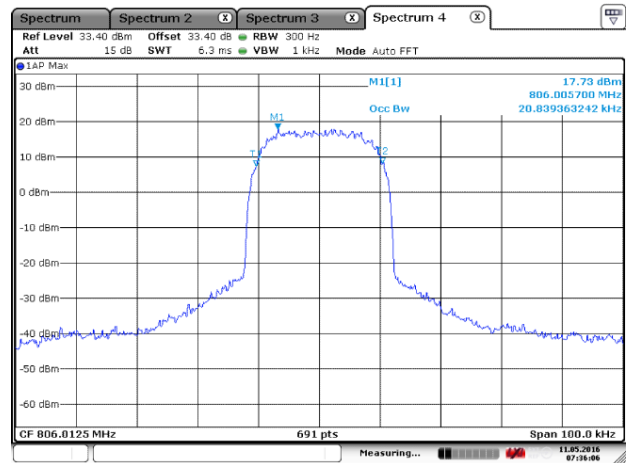


High Frequency: 868.9875MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)

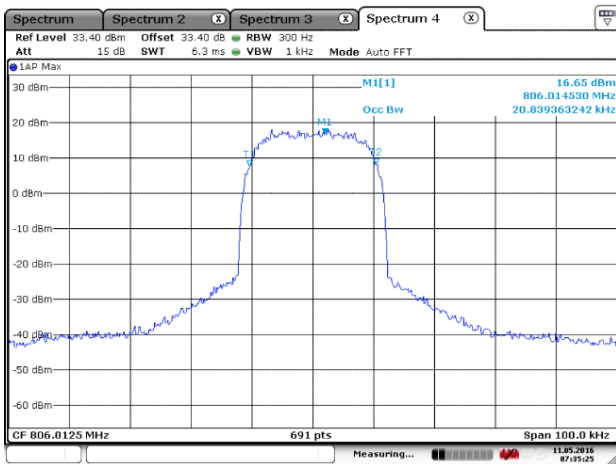
(2) Uplink



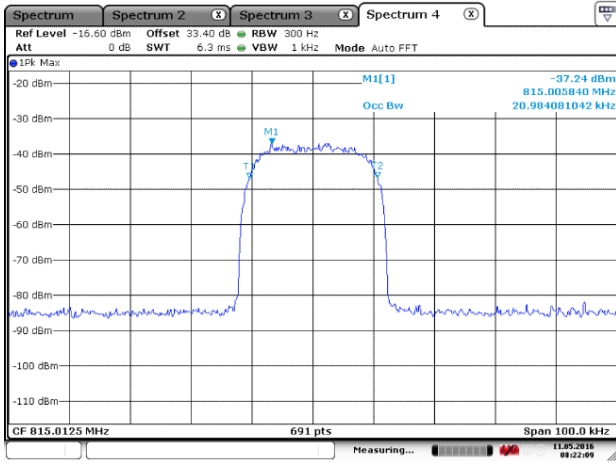
Low Frequency: 806.0125MHz, Input occupied BW



Low Frequency: 806.0125MHz, Output occupied BW(ALC)

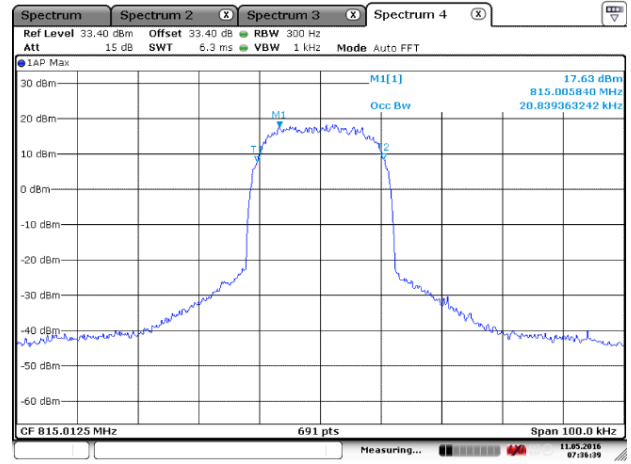


Low Frequency: 806.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



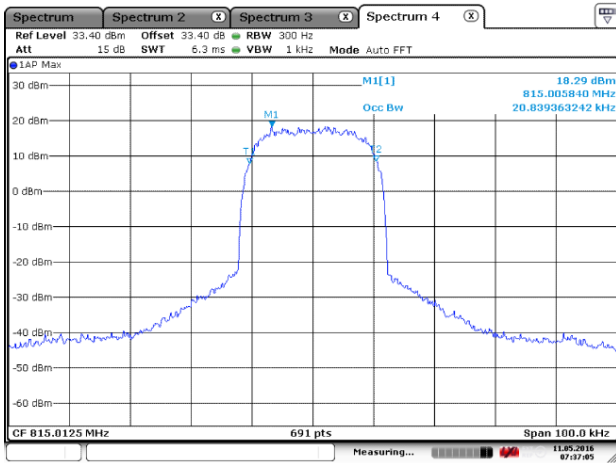
Date: 11.MAY.2016 08:22:08

Mid Frequency: 815.0125MHz, Input occupied BW



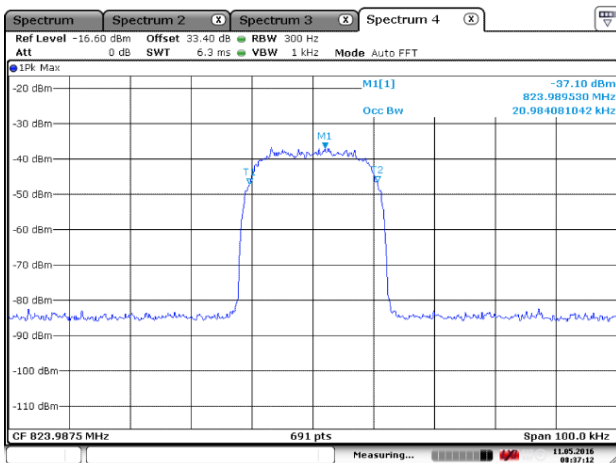
Date: 11.MAY.2016 07:13:36

Mid Frequency: 815.0125MHz, Output occupied BW(ALC)



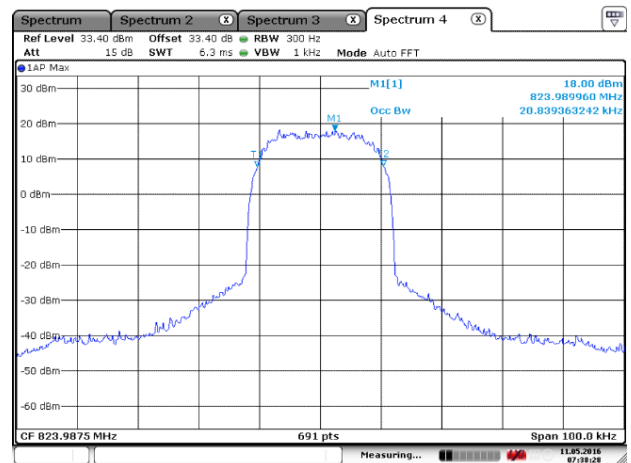
Date: 11.MAY.2016 07:37:05

Mid Frequency: 815.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



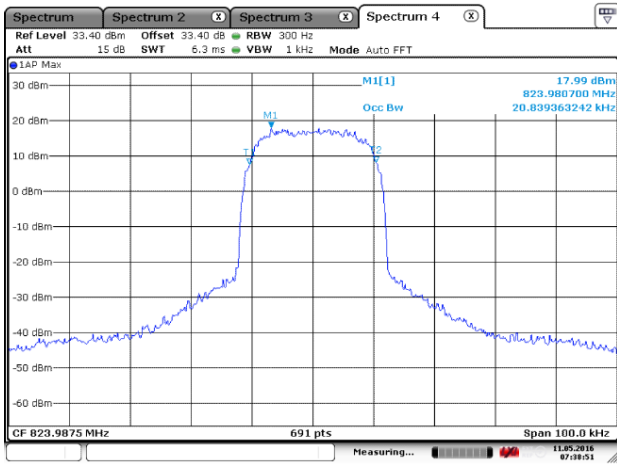
Date: 11.MAY.2016 08:37:12

High Frequency: 823.9875MHz, Input occupied BW



Date: 11.MAY.2016 07:13:28

High Frequency: 823.9875MHz, Output occupied BW(ALC)

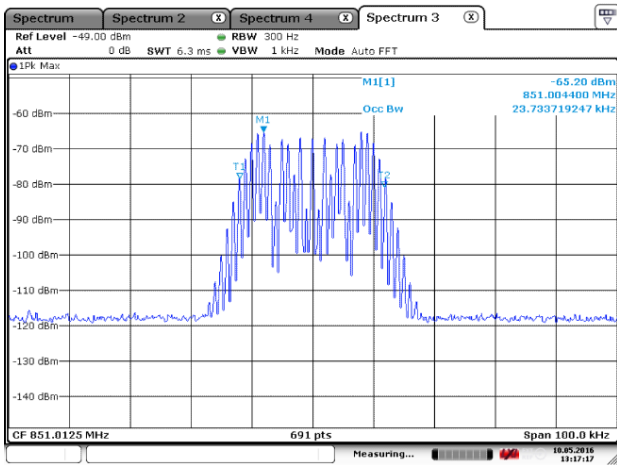


Date: 11.MAY.2016 07:38:51

High Frequency: 823.9875MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)

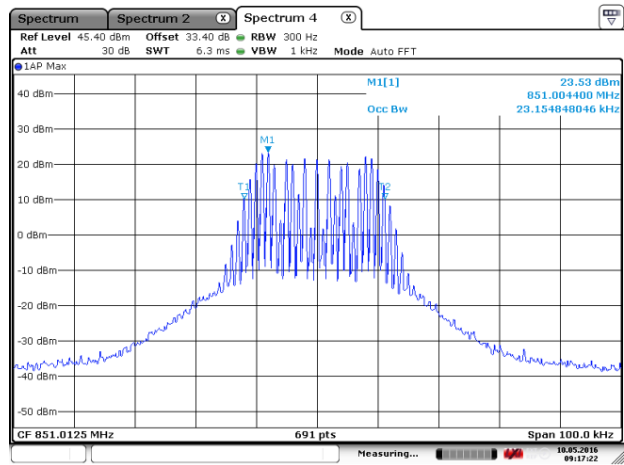
6.2.5.2.3 Modulation signal: Analog FM(10kHz/1kHz)

(1) Downlink



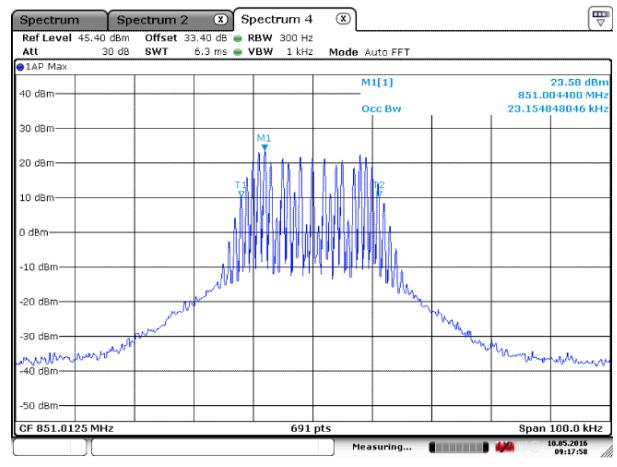
Date: 10.MAY.2016 13:17:17

Low Frequency: 851.0125MHz, Input occupied BW



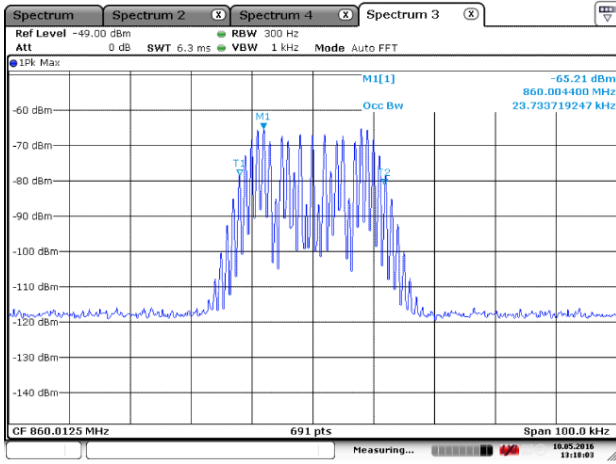
Date: 10.MAY.2016 09:17:23

Low Frequency: 851.0125MHz, Output occupied BW(ALC)



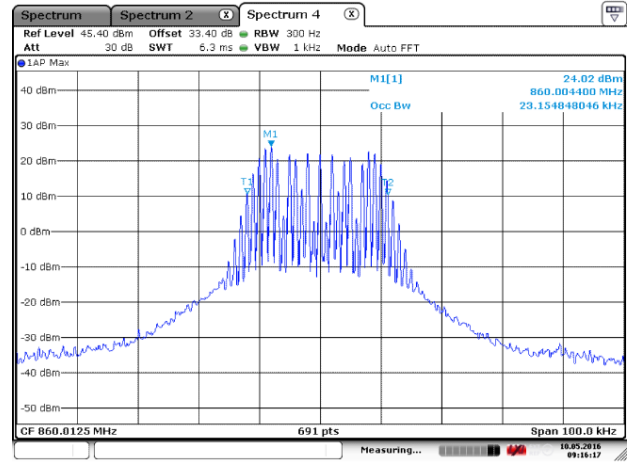
Date: 10.MAY.2016 09:17:58

Low Frequency: 851.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



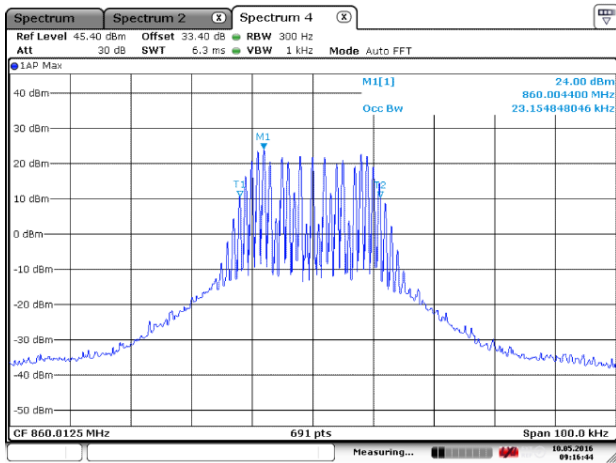
Date: 10.MAY.2016 13:18:04

Mid Frequency: 860.0125MHz, Input occupied BW



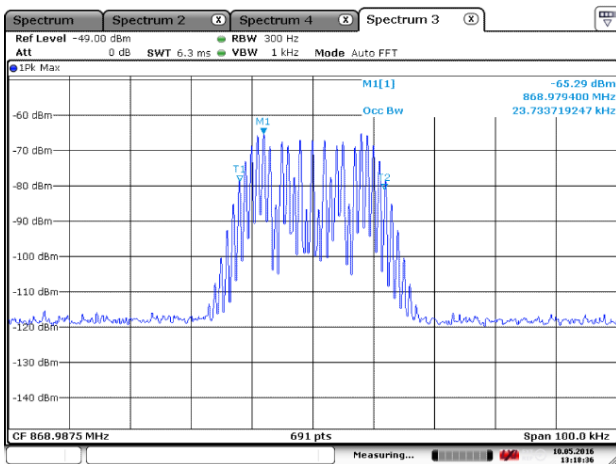
Date: 10.MAY.2016 09:16:18

Mid Frequency: 860.0125MHz, Output occupied BW(ALC)



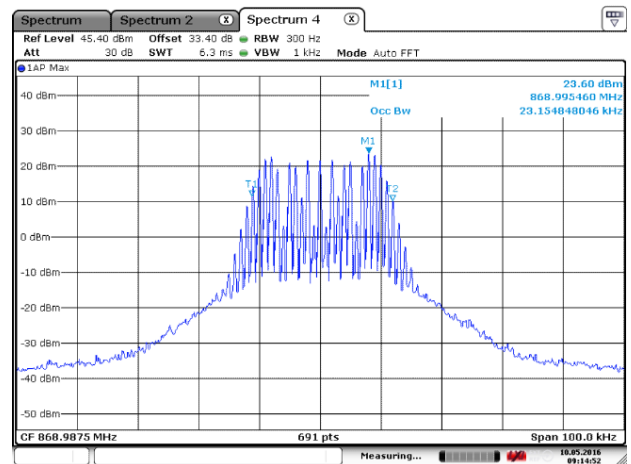
Date: 10.MAY.2016 09:16:44

Mid Frequency: 860.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



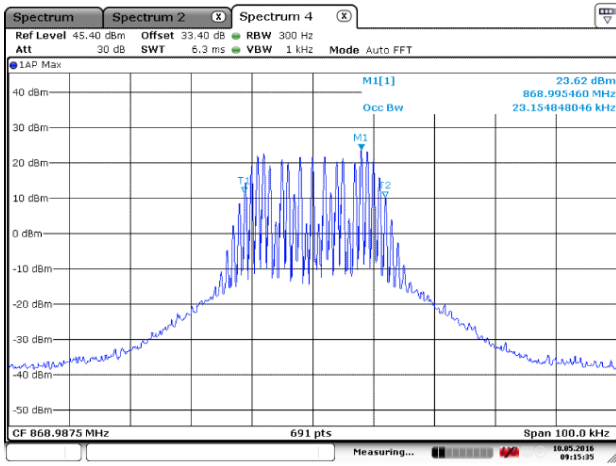
Date: 10.MAY.2016 13:18:36

High Frequency: 868.9875MHz, Input occupied BW



Date: 10.MAY.2016 09:14:53

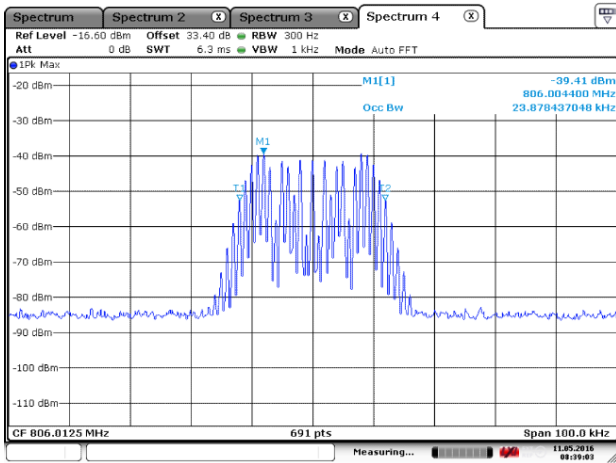
High Frequency: 868.9875MHz, Output occupied BW(ALC)



Date: 10.MAY.2016 09:15:35

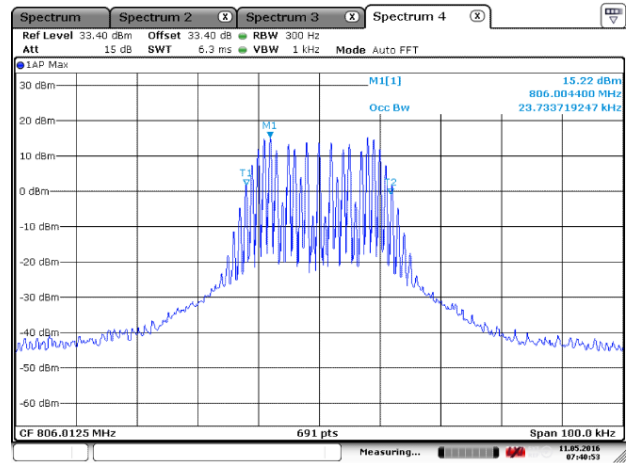
High Frequency: 868.9875MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)

(2) Uplink



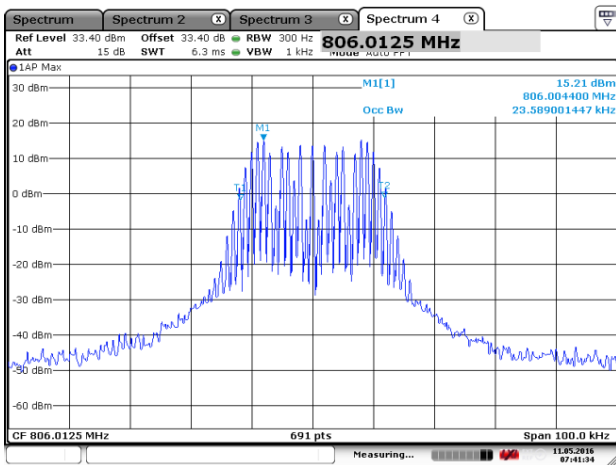
Date: 11.MAY.2016 08:39:02

Low Frequency: 806.0125MHz, Input occupied BW



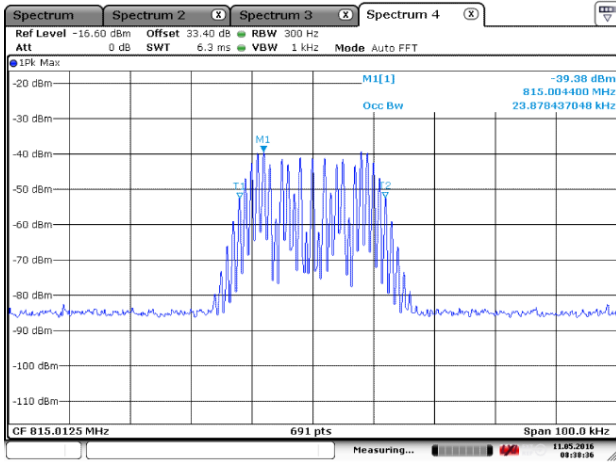
Date: 11.MAY.2016 07:40:53

Low Frequency: 806.0125MHz, Output occupied BW(ALC)



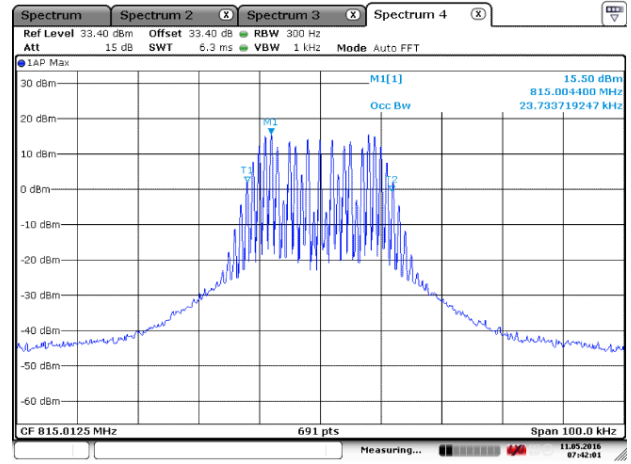
Date: 11.MAY.2016 07:41:33

Low Frequency: 806.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



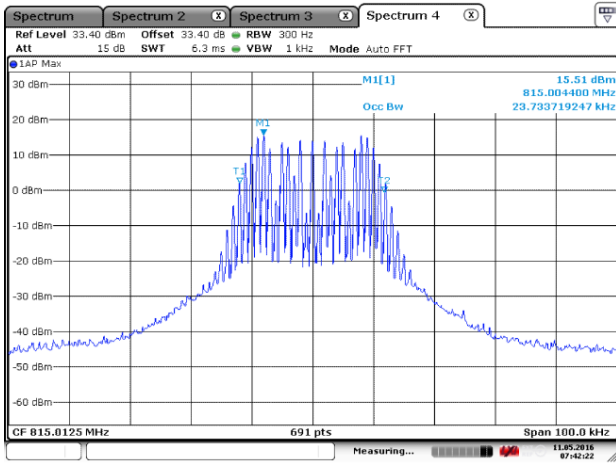
Date: 11.MAY.2016 08:38:36

Mid Frequency: 815.0125MHz, Input occupied BW



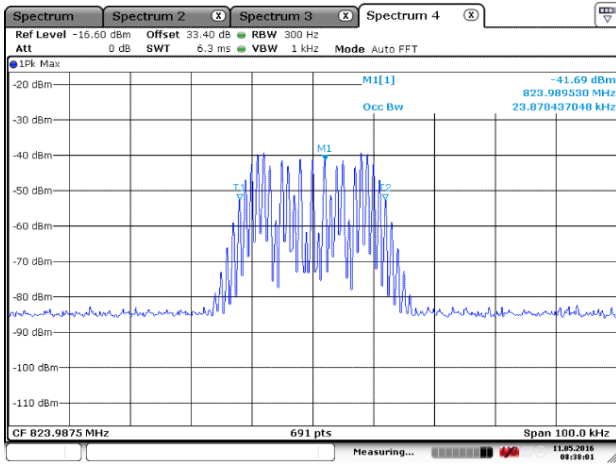
Date: 11.MAY.2016 07:42:01

Mid Frequency: 815.0125MHz, Output occupied BW(ALC)



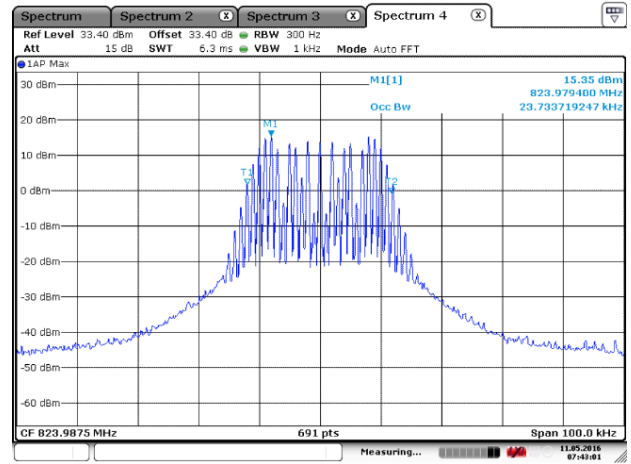
Date: 11.MAY.2016 07:42:22

Mid Frequency: 815.0125MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)



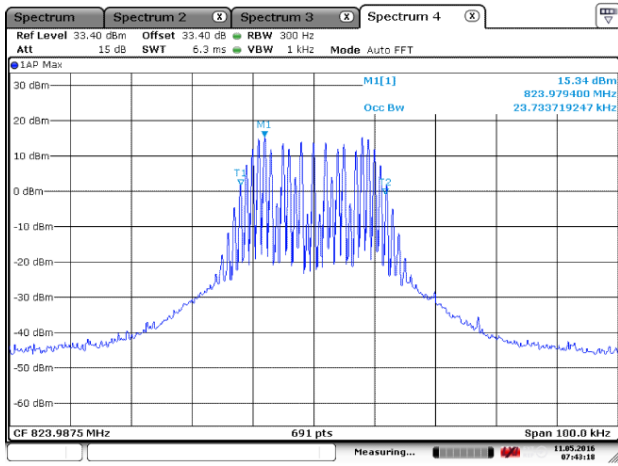
Date: 11.MAY.2016 08:38:01

High Frequency: 823.9875MHz, Input occupied BW



Date: 11.MAY.2016 07:43:00

High Frequency: 823.9875MHz, Output occupied BW(ALC)



Date: 11.MAY.2016 07:43:18

High Frequency: 823.9875MHz, Output occupied BW(with the input signal amplitude set 3 dB above the ALC threshold)

6.3 Emission mask

Test Date (yy-mm-dd): 2016-05-06 to 2016-05-15

Test environment: Normal
 Ambient Temp 24.5°C~26.3°C, Humid 49%~65%, Atmospheric Pressure 101kpa

Power supply: AC 120V 50/60Hz

Test Method: FCC part 2. 1047& FCC part 2. 1051 & KDB 935210 D05 Indus Booster Basic Meas v01r01

Test Requirement: FCC part 90.210(b)

6.3.1 Limit

Except as indicated elsewhere in this part, transmitters used in the radio services governed by this part must comply with the emission masks outlined in this section. measurements of emission power can be expressed in either peak or average values provided that emission powers are expressed with the same parameters used to specify the unmodulated transmitter carrier power. For transmitters that do not produce a full power unmodulated carrier, reference to the unmodulated transmitter carrier power refers to the total power contained in the channel bandwidth. Unless indicated elsewhere in this part, the table in this section specifies the emission masks for equipment operating under this part.

This test was performed to measure Emission mask in table 3. Specification test limits are given in table 4 , table 5, table 6 and table 7.

Table 3 Applicable Emission Masks

Frequency band (MHz)	Mask for equipment with audio low pass filter	Mask for equipment without audio low pass filter
806-809/851-854	B	H
809-824/854-8693 5	B	G
All other bands	B	C

Table 4 Emission Masks limit(Emission mask B)

Frequency displacement from carrier(kHz)	Attenuation below carrier(dB)
C4FM Modulation: Channel bandwidth 12.5kHz, authorized bandwidth 8kHz with audio low pass filter	
0 ~4.0	0
4.0 ~ 8.0	25.0
8.0 ~ 20.0	35.0
More than 20.0	43+10logP(W)

Tetra modulation: Channel bandwidth 25kHz, authorized bandwidth 20kHz with audio low pass filter	
0 ~10.0	0
10.0 ~ 20.0	25.0
20.0 ~ 50.0	35.0
More than 50.0	43+10logP(W)
Analog FM(10kHz/1kHz) modulation: Channel bandwidth 25kHz, authorized bandwidth 23kHz with audio low pass filter	
0 ~11.5	0
11.5 ~ 23.0	25.0
23.0 ~ 57.5	35.0
More than 57.5	43+10logP(W)

Table 5 Emission Masks limit (Emission mask C, Only 700MHz Band)

Frequency displacement from carrier(kHz)	Attenuation below carrier(dB)
C4FM Modulation: Channel bandwidth 12.5kHz, authorized bandwidth 8kHz without audio low pass filter	
0 ~5.0	0
5.0 ~ 10.0	83*log (fd/5) dB
10.0 ~ 20.0	29*log (fd ² /11)
More than 20.0	43+10logP(W)
Note: fd mean to Frequency displacement from carrier.	

Table 6 Emission Masks limit (Emission mask H, Only 806~809MHz/851~854MHz)

Frequency displacement from carrier(kHz)	Attenuation below carrier(dB)
C4FM Modulation: Channel bandwidth 12.5kHz, authorized bandwidth 8kHz without audio low pass filter	
0 ~4.0	0
4.0 ~ 8.5	107*log (fd/4)
8.5 ~15.0	40.5*log (fd/1.16)
15.0 ~25.0	116*log (fd/6.1)
More than 25.0	43+10logP(W)
Note: fd mean to Frequency displacement from carrier.	

Table 7 Emission Masks limit (Emission mask G, Only 809~824MHz/854~869MHz)

Frequency displacement from carrier(kHz)	Attenuation below carrier(dB)
Analog FM(10kHz/1kHz) modulation: Channel bandwidth 25kHz, authorized bandwidth 23kHz without audio low pass filter	