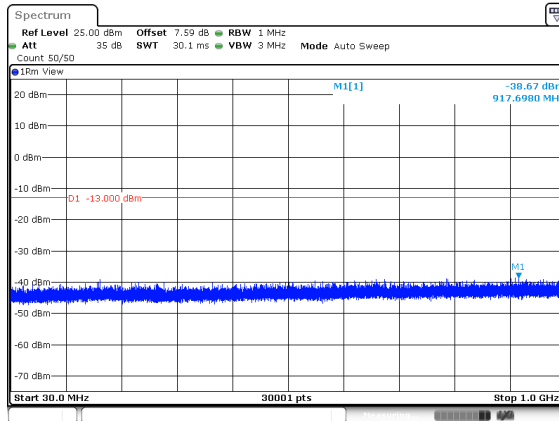
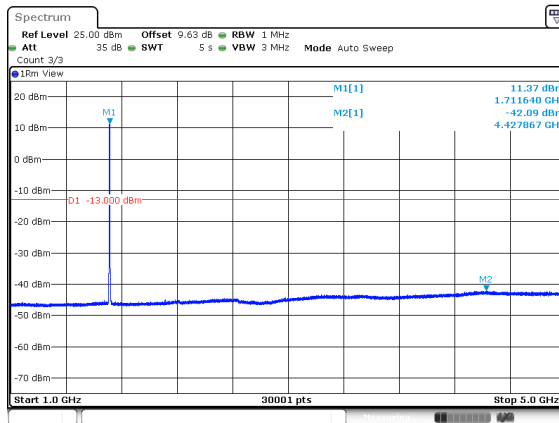


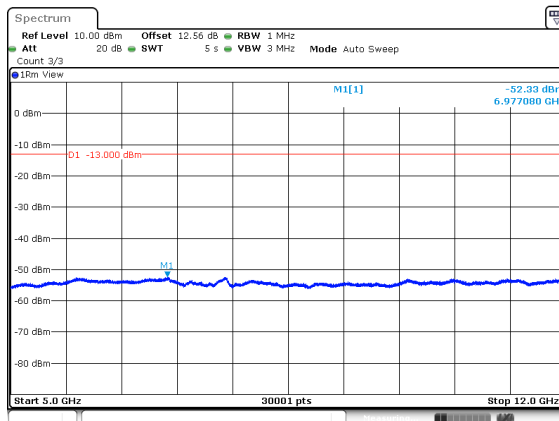
Band66_3MHz_QPSK_131987_15RB#0



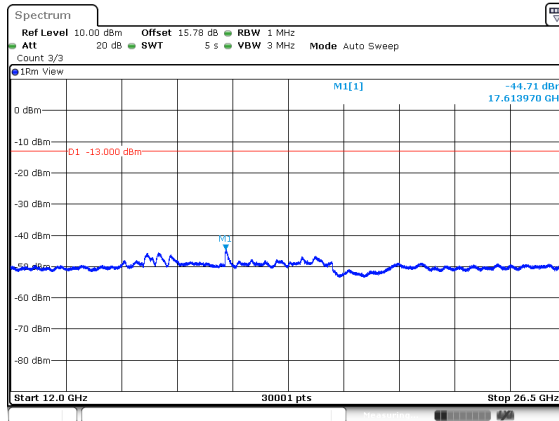
Band66_3MHz_QPSK_131987_15RB#0



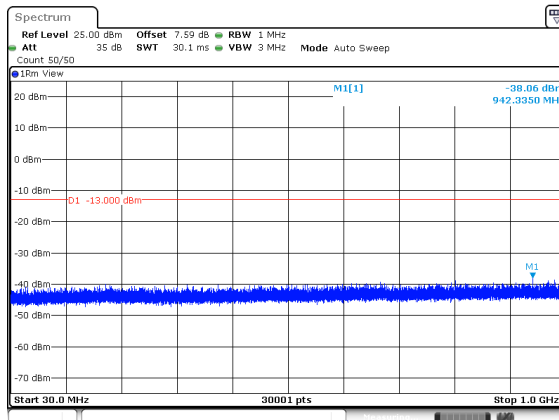
Band66_3MHz_QPSK_131987_15RB#0



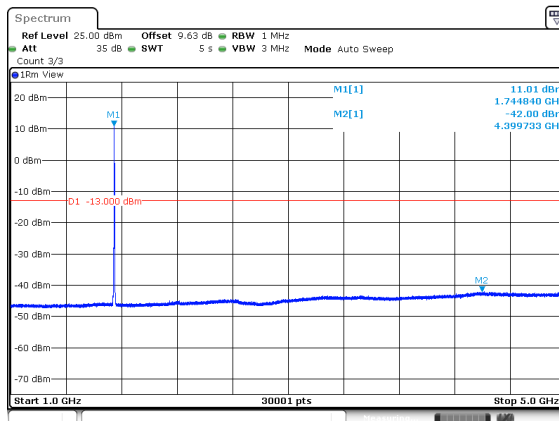
Band66_3MHz_QPSK_131987_15RB#0



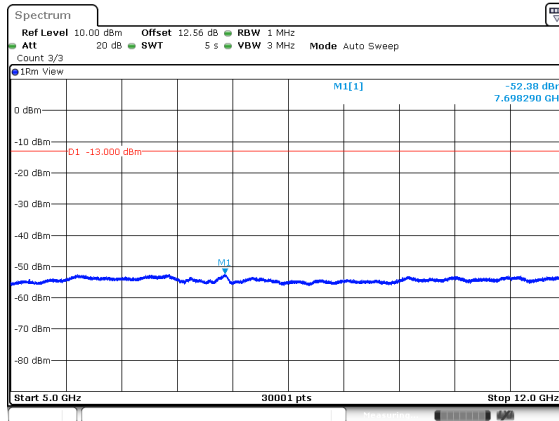
Band66_3MHz_QPSK_132322_15RB#0



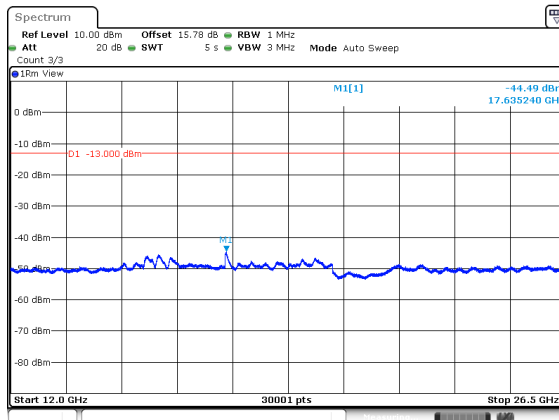
Band66_3MHz_QPSK_132322_15RB#0



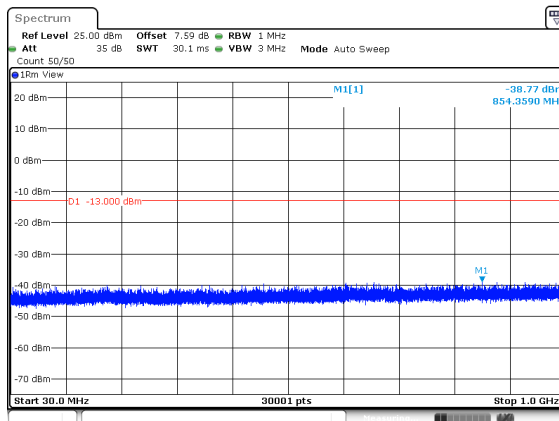
Band66_3MHz_QPSK_132322_15RB#0



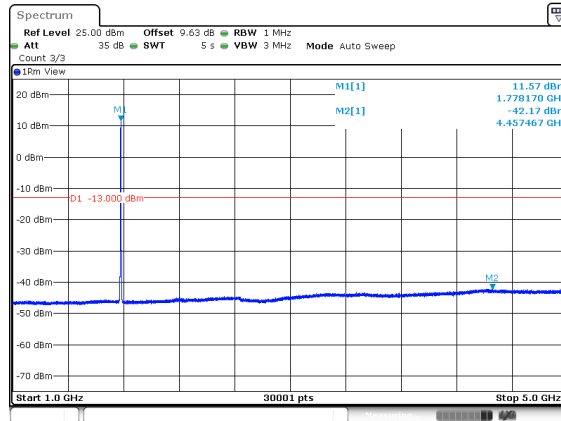
Band66_3MHz_QPSK_132322_15RB#0



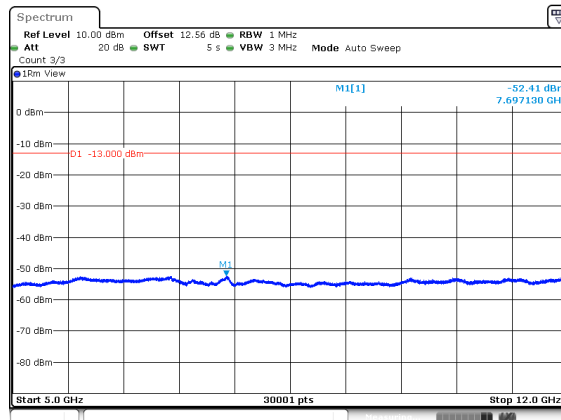
Band66_3MHz_QPSK_132657_15RB#0



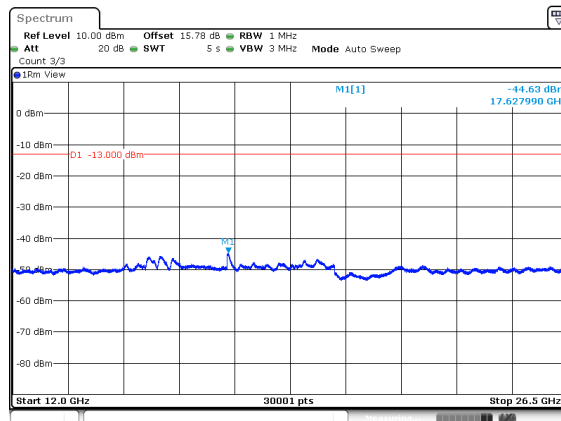
Band66_3MHz_QPSK_132657_15RB#0



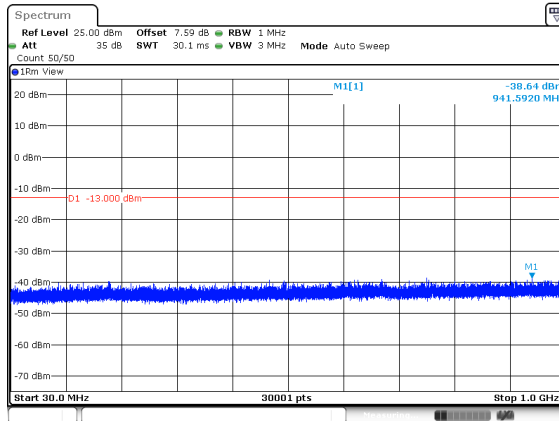
Band66_3MHz_QPSK_132657_15RB#0



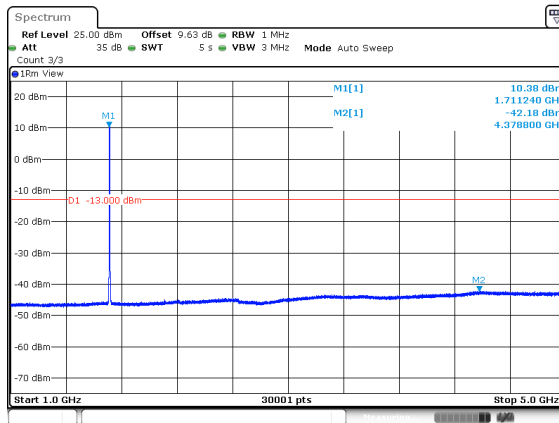
Band66_3MHz_QPSK_132657_15RB#0



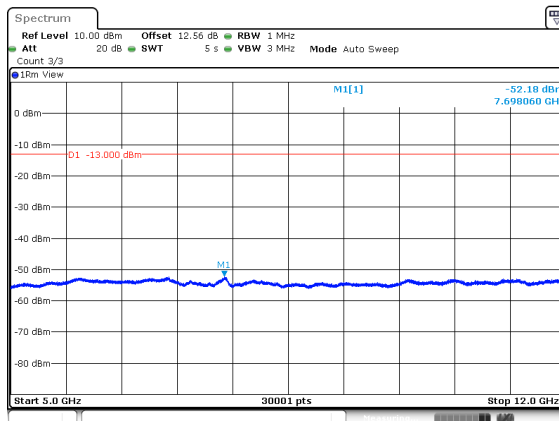
Band66_3MHz_16QAM_131987_15RB#0



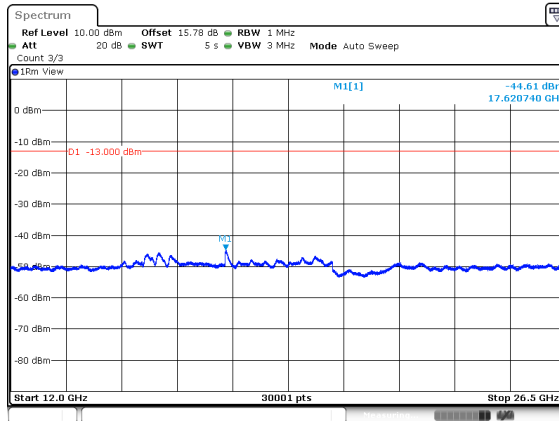
Band66_3MHz_16QAM_131987_15RB#0



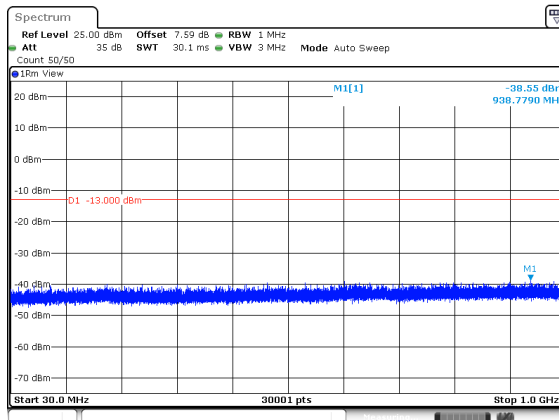
Band66_3MHz_16QAM_131987_15RB#0



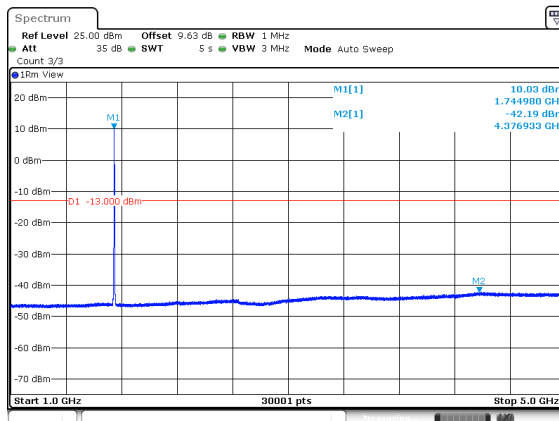
Band66_3MHz_16QAM_131987_15RB#0



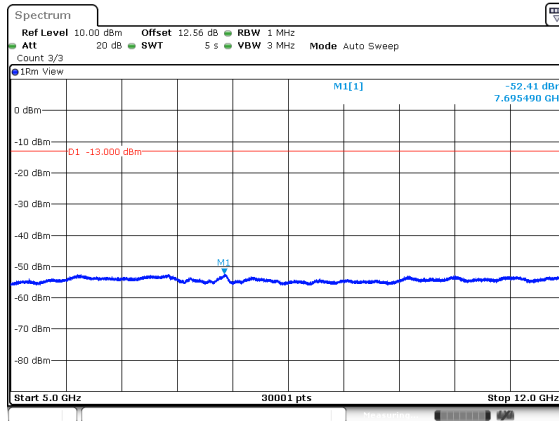
Band66_3MHz_16QAM_132322_15RB#0



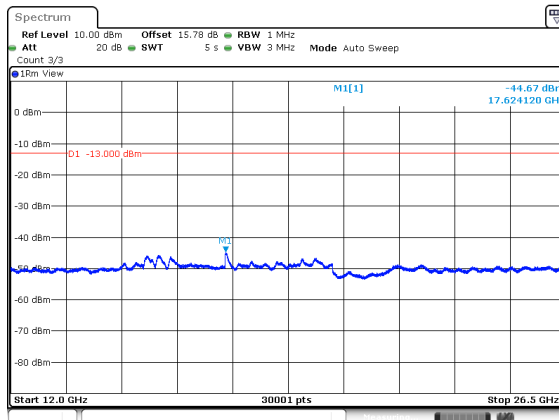
Band66_3MHz_16QAM_132322_15RB#0



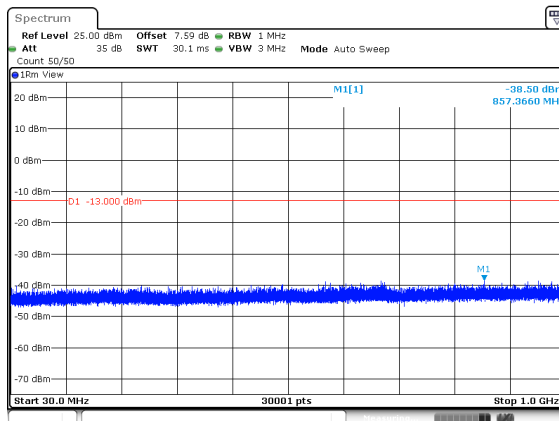
Band66_3MHz_16QAM_132322_15RB#0



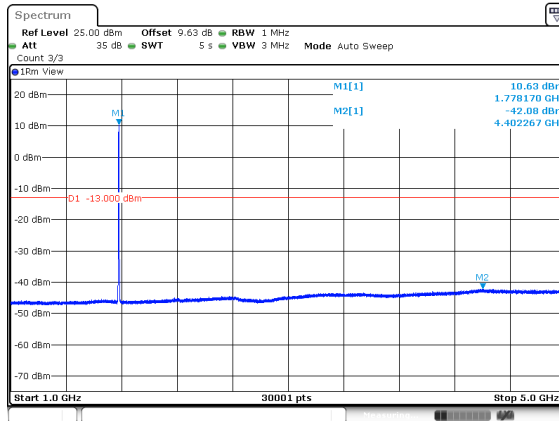
Band66_3MHz_16QAM_132322_15RB#0



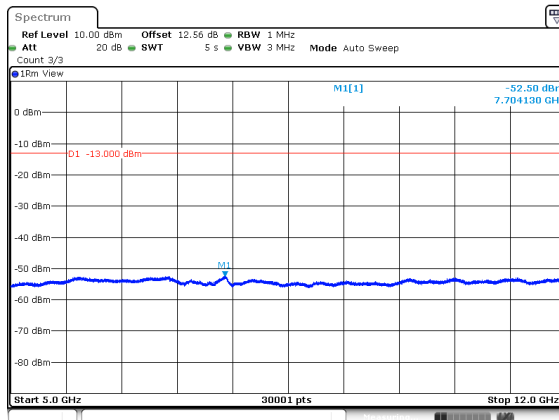
Band66_3MHz_16QAM_132657_15RB#0



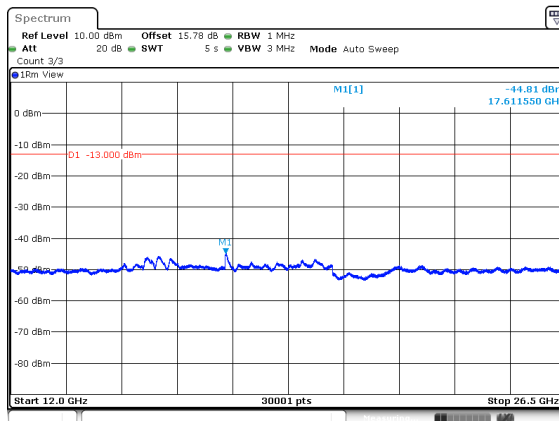
Band66_3MHz_16QAM_132657_15RB#0



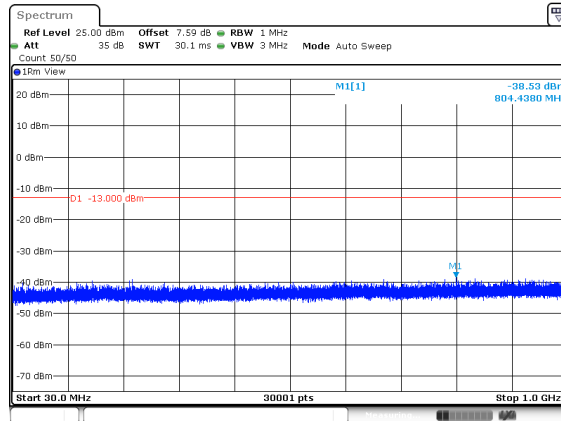
Band66_3MHz_16QAM_132657_15RB#0



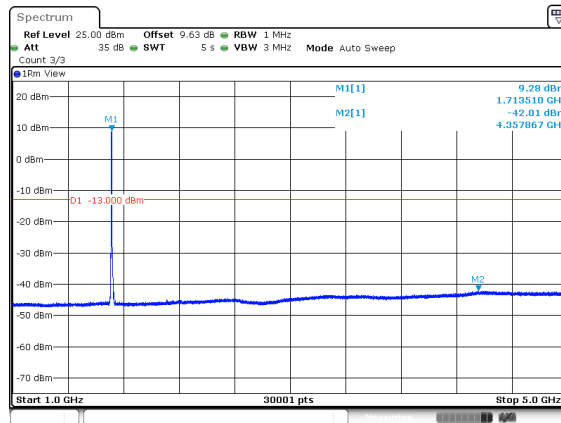
Band66_3MHz_16QAM_132657_15RB#0



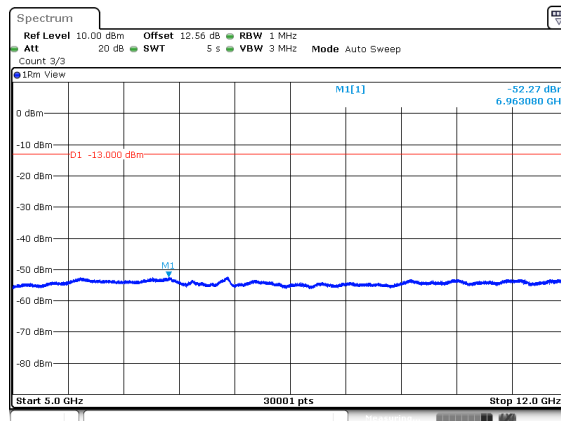
Band66_5MHz_QPSK_131997_25RB#0



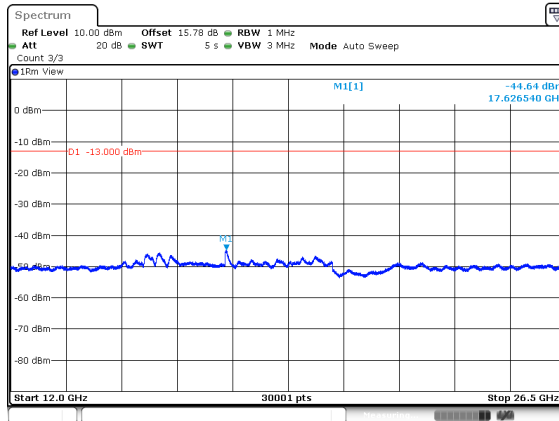
Band66_5MHz_QPSK_131997_25RB#0



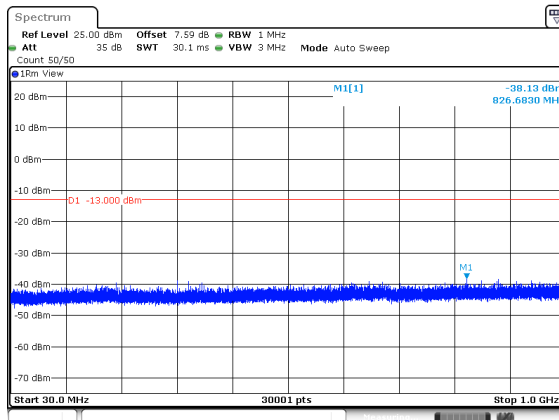
Band66_5MHz_QPSK_131997_25RB#0



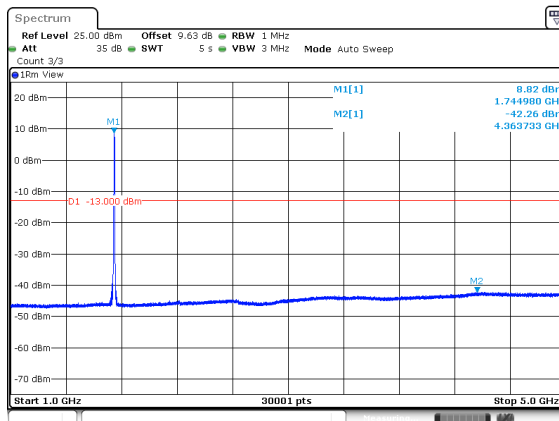
Band66_5MHz_QPSK_131997_25RB#0



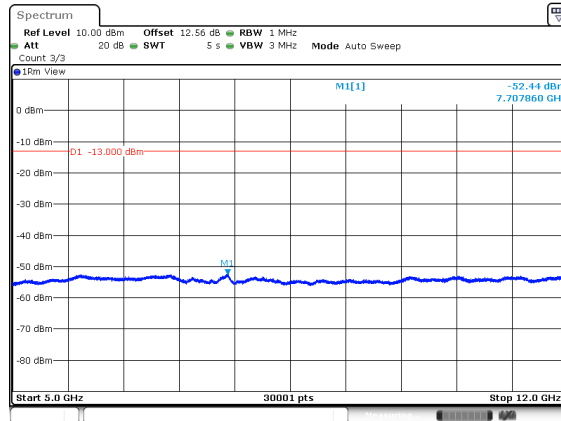
Band66_5MHz_QPSK_132322_25RB#0



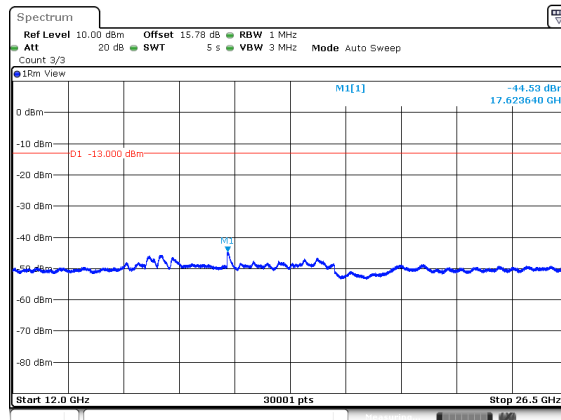
Band66_5MHz_QPSK_132322_25RB#0



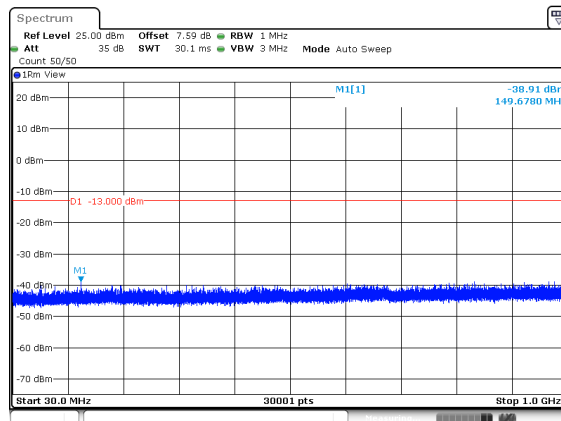
Band66_5MHz_QPSK_132322_25RB#0



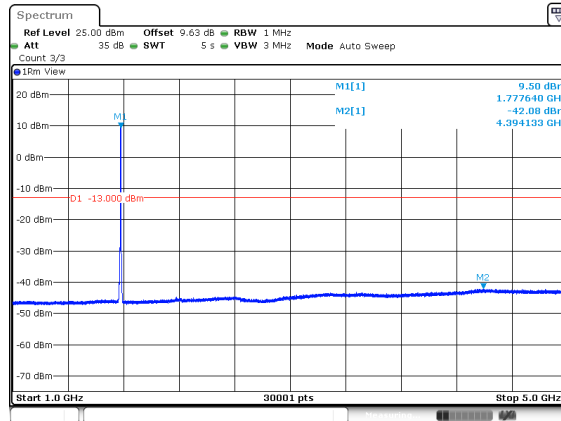
Band66_5MHz_QPSK_132322_25RB#0



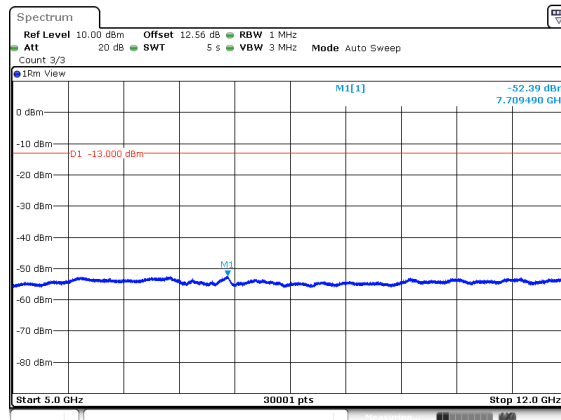
Band66_5MHz_QPSK_132647_25RB#0



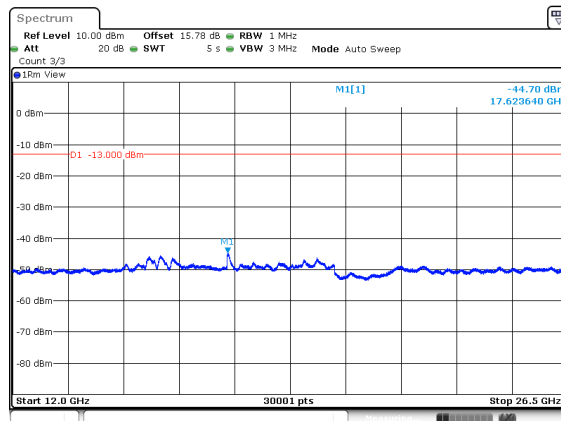
Band66_5MHz_QPSK_132647_25RB#0



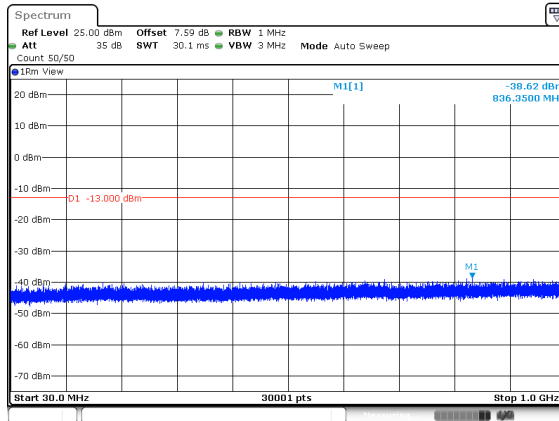
Band66_5MHz_QPSK_132647_25RB#0



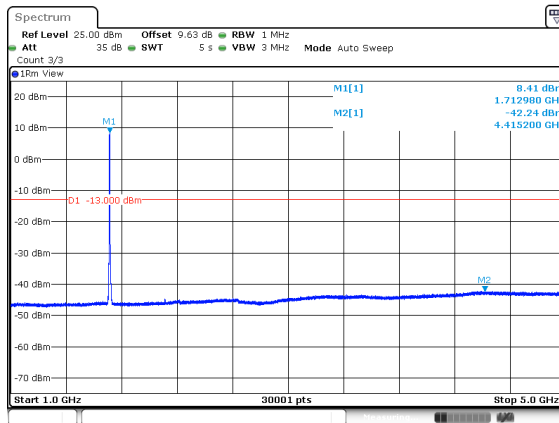
Band66_5MHz_QPSK_132647_25RB#0



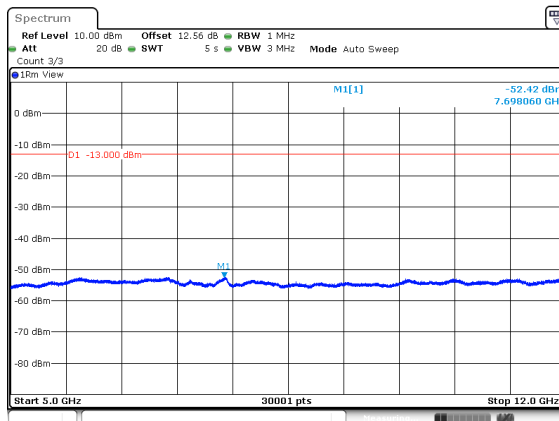
Band66_5MHz_16QAM_131997_25RB#0



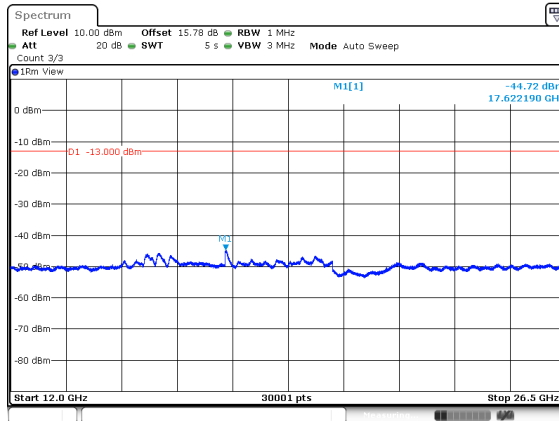
Band66_5MHz_16QAM_131997_25RB#0



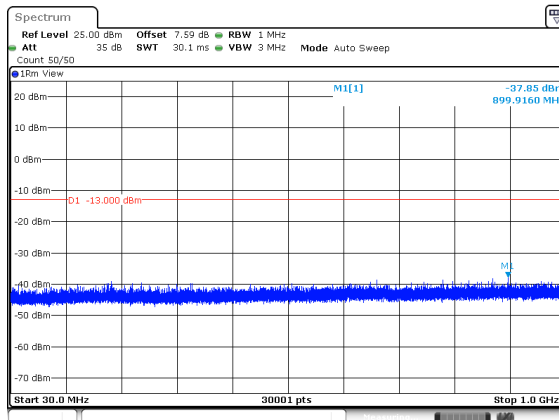
Band66_5MHz_16QAM_131997_25RB#0



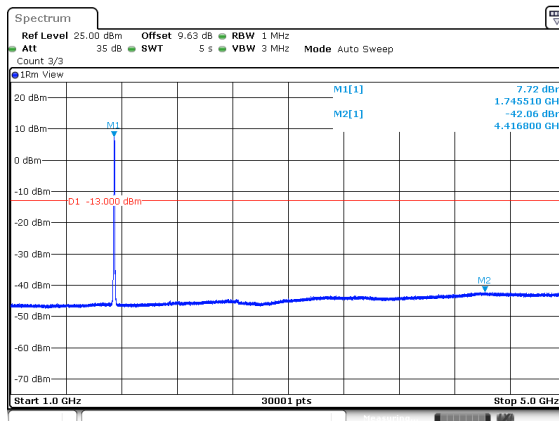
Band66_5MHz_16QAM_131997_25RB#0



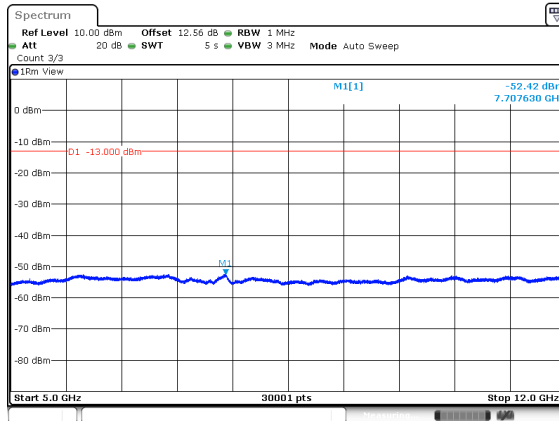
Band66_5MHz_16QAM_132322_25RB#0



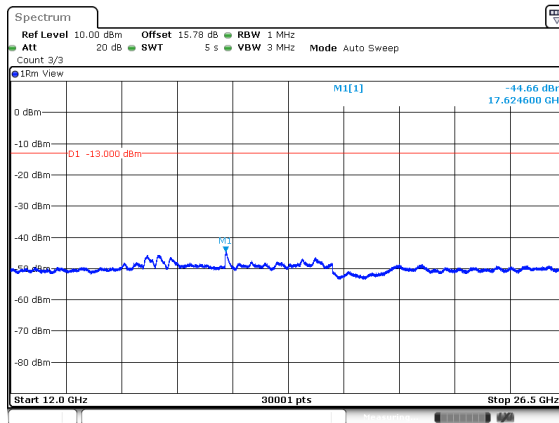
Band66_5MHz_16QAM_132322_25RB#0



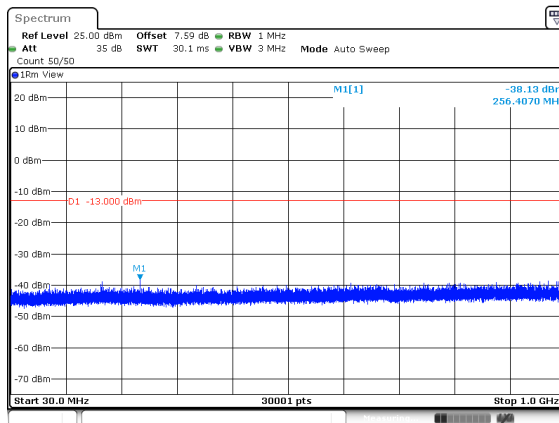
Band66_5MHz_16QAM_132322_25RB#0



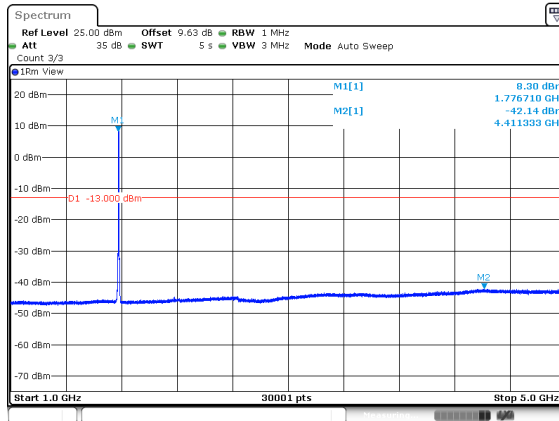
Band66_5MHz_16QAM_132322_25RB#0



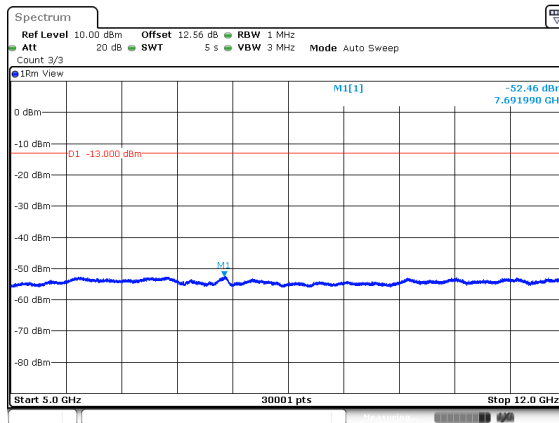
Band66_5MHz_16QAM_132647_25RB#0



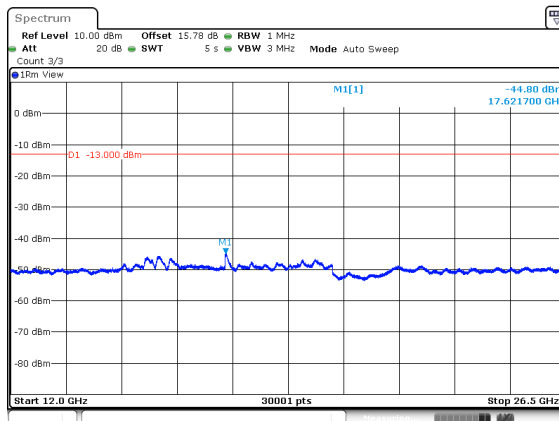
Band66_5MHz_16QAM_132647_25RB#0



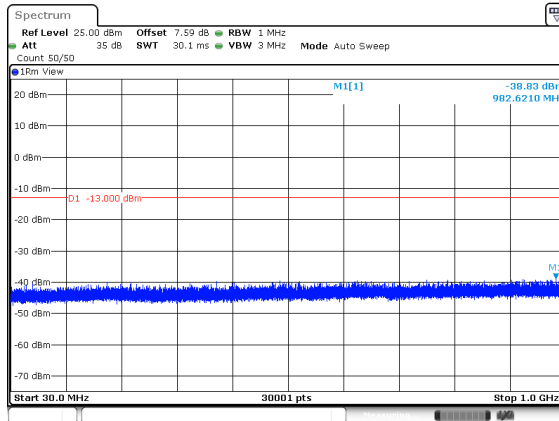
Band66_5MHz_16QAM_132647_25RB#0



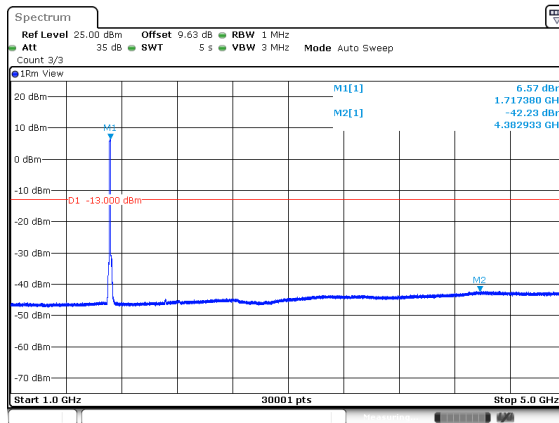
Band66_5MHz_16QAM_132647_25RB#0



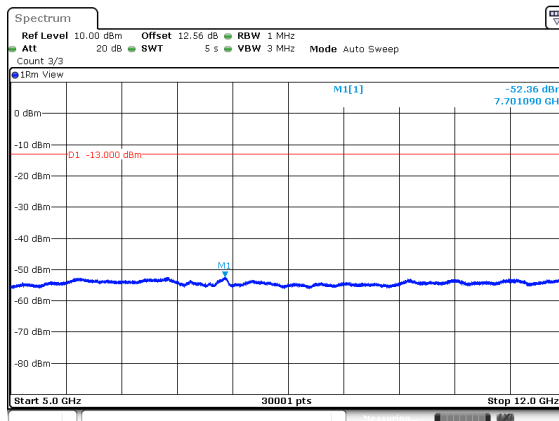
Band66_10MHz_QPSK_132022_50RB#0



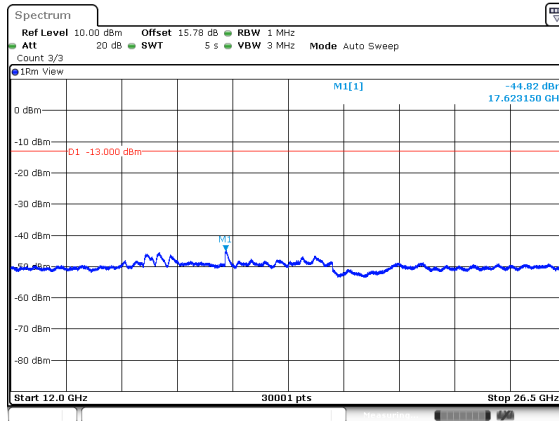
Band66_10MHz_QPSK_132022_50RB#0



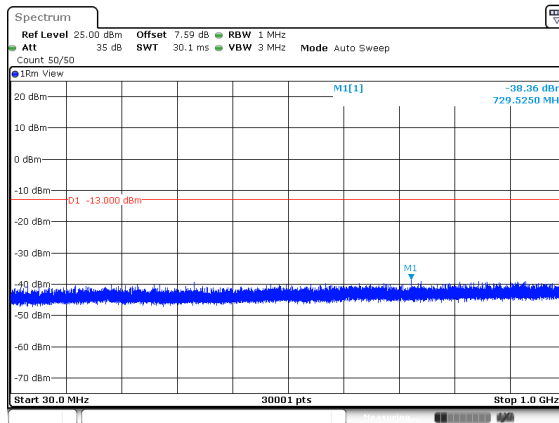
Band66_10MHz_QPSK_132022_50RB#0



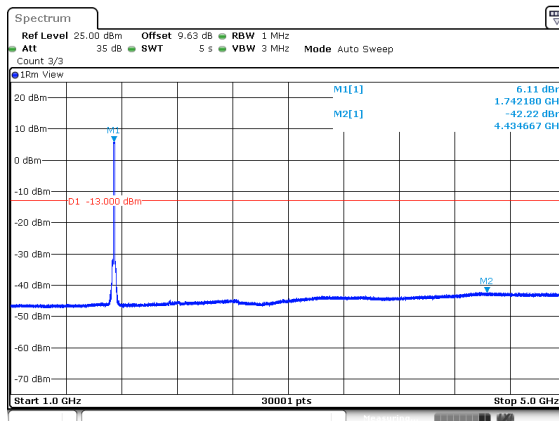
Band66_10MHz_QPSK_132022_50RB#0



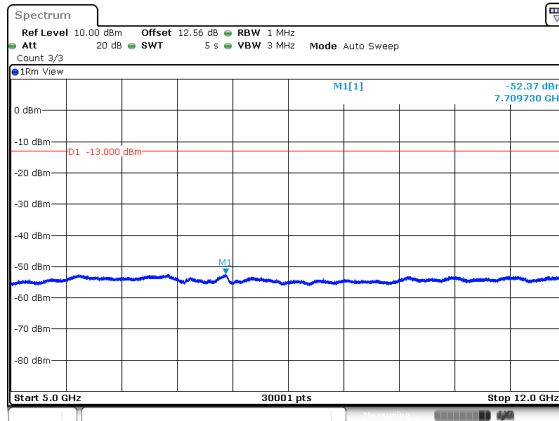
Band66_10MHz_QPSK_132322_50RB#0



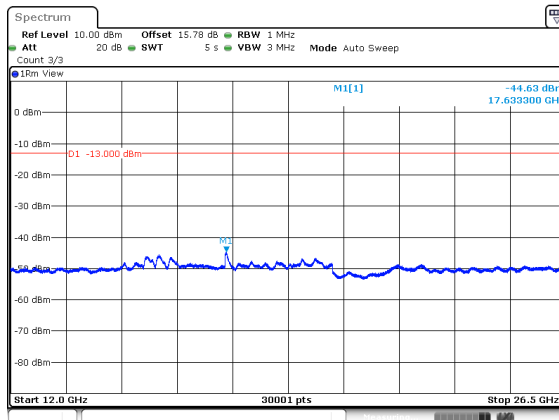
Band66_10MHz_QPSK_132322_50RB#0



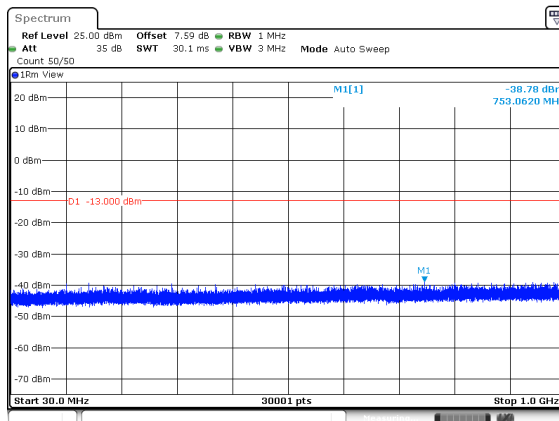
Band66_10MHz_QPSK_132322_50RB#0



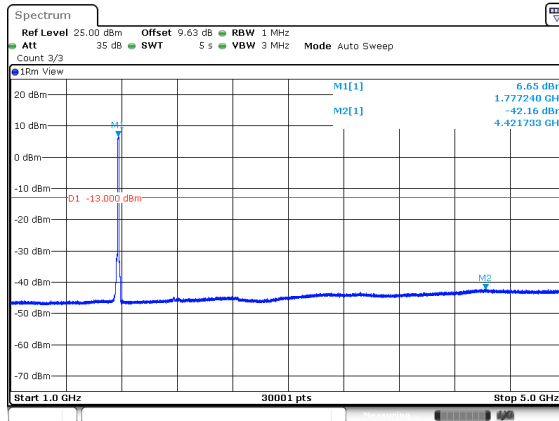
Band66_10MHz_QPSK_132322_50RB#0



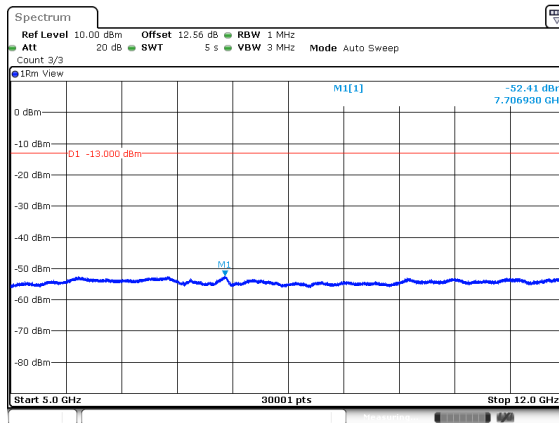
Band66_10MHz_QPSK_132622_50RB#0



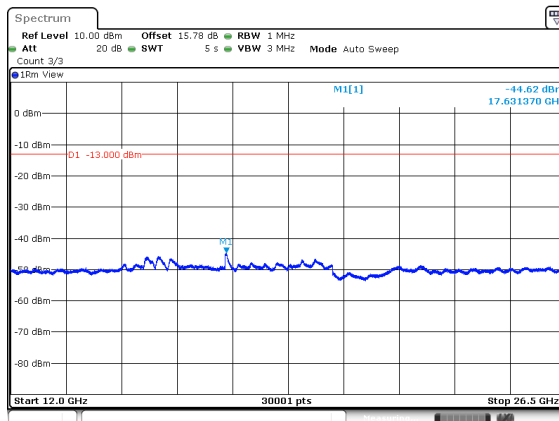
Band66_10MHz_QPSK_132622_50RB#0



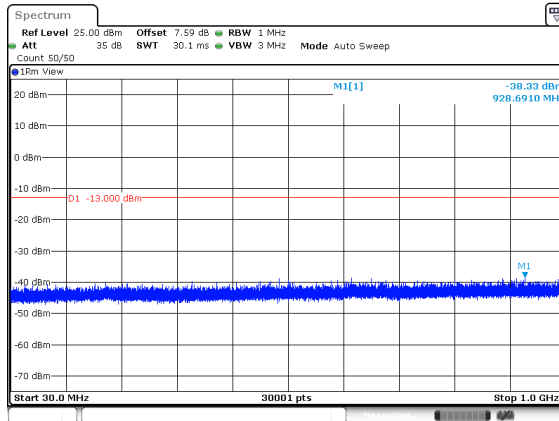
Band66_10MHz_QPSK_132622_50RB#0



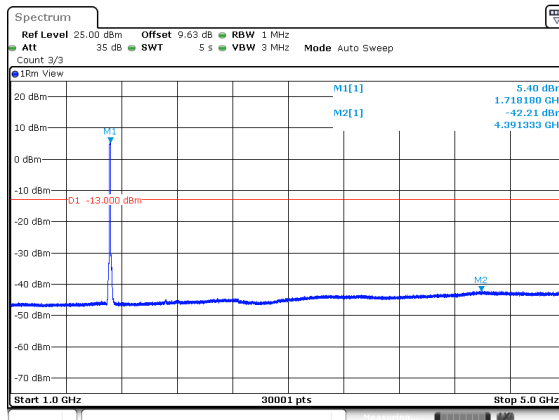
Band66_10MHz_QPSK_132622_50RB#0



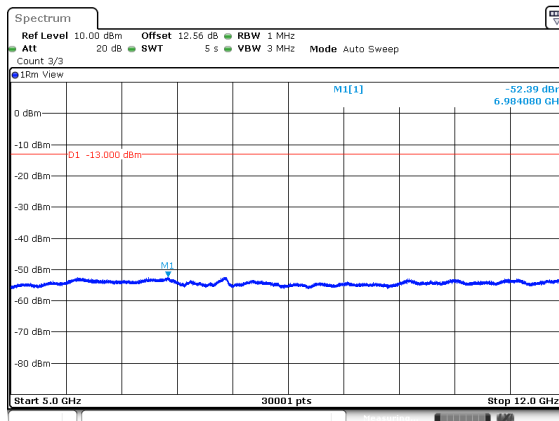
Band66_10MHz_16QAM_132022_50RB#0



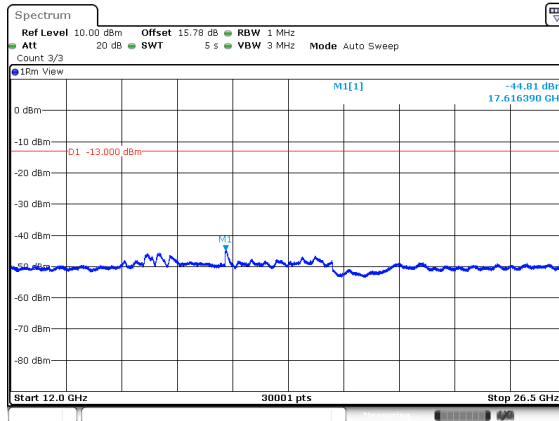
Band66_10MHz_16QAM_132022_50RB#0



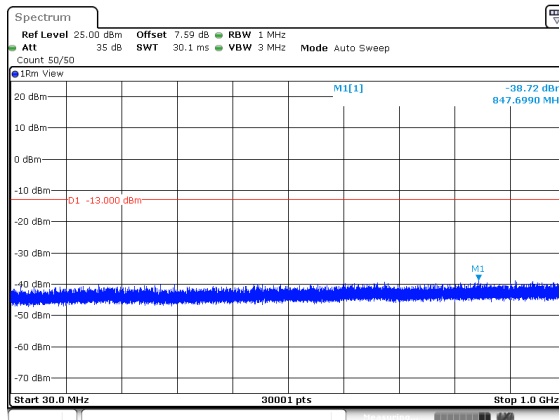
Band66_10MHz_16QAM_132022_50RB#0



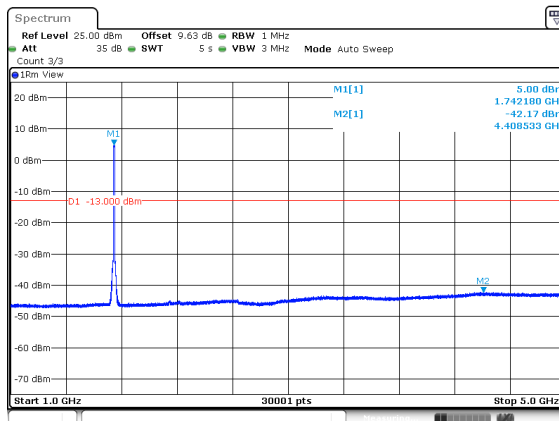
Band66_10MHz_16QAM_132022_50RB#0



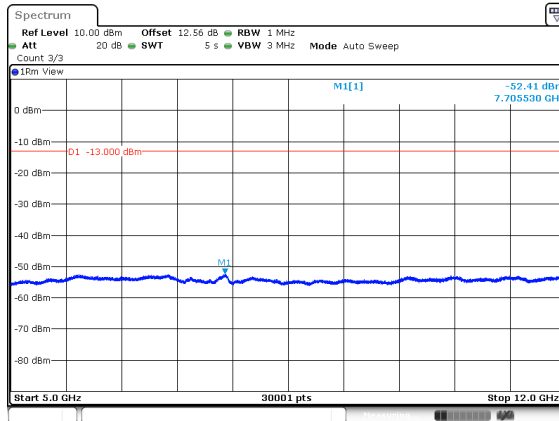
Band66_10MHz_16QAM_132322_50RB#0



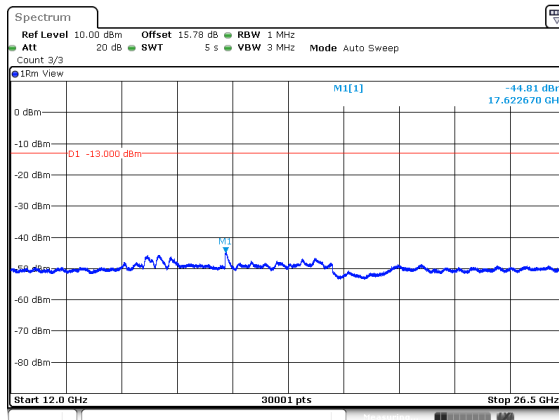
Band66_10MHz_16QAM_132322_50RB#0



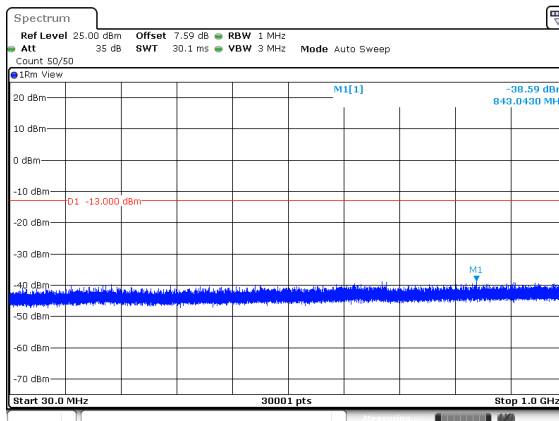
Band66_10MHz_16QAM_132322_50RB#0



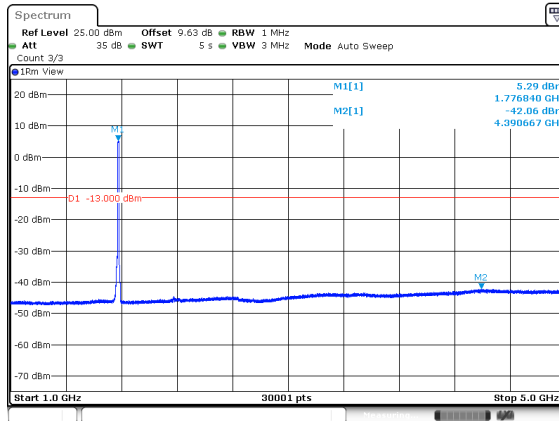
Band66_10MHz_16QAM_132322_50RB#0



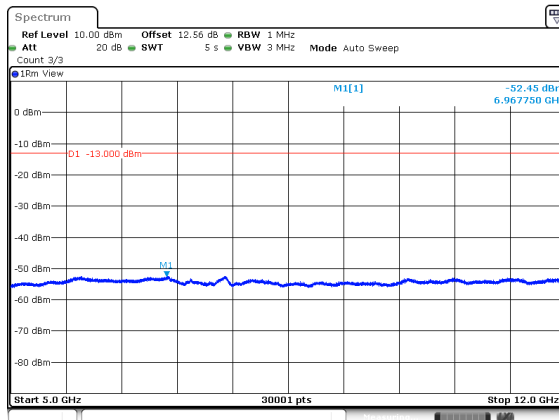
Band66_10MHz_16QAM_132622_50RB#0



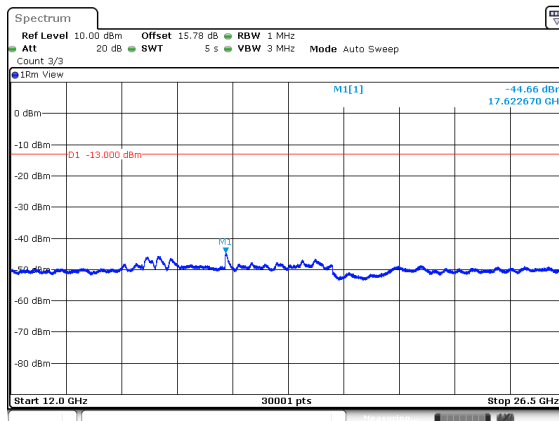
Band66_10MHz_16QAM_132622_50RB#0



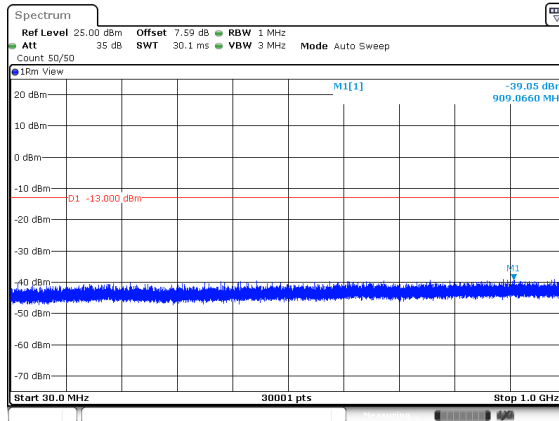
Band66_10MHz_16QAM_132622_50RB#0



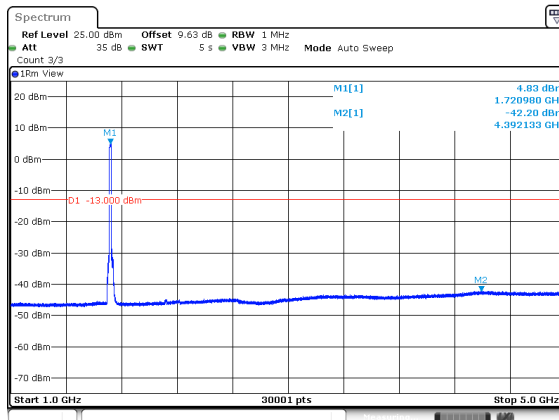
Band66_10MHz_16QAM_132622_50RB#0



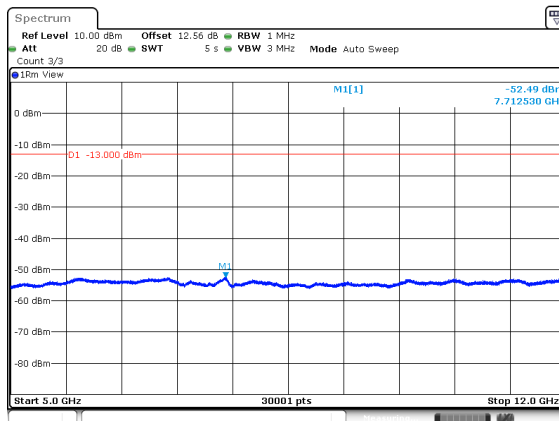
Band66_15MHz_QPSK_132047_75RB#0



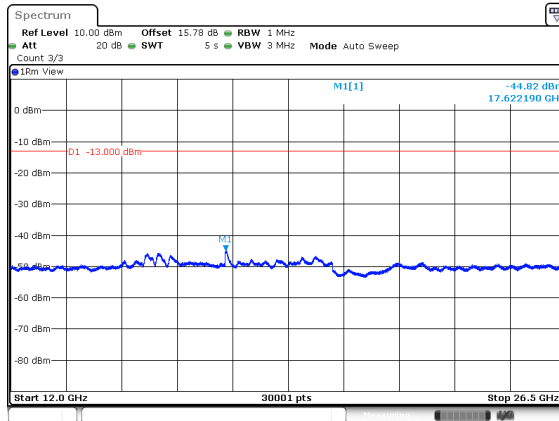
Band66_15MHz_QPSK_132047_75RB#0



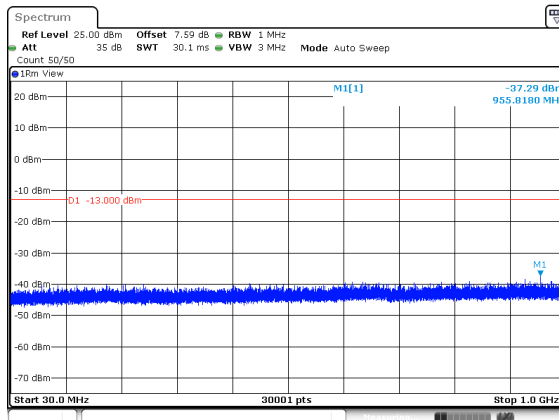
Band66_15MHz_QPSK_132047_75RB#0



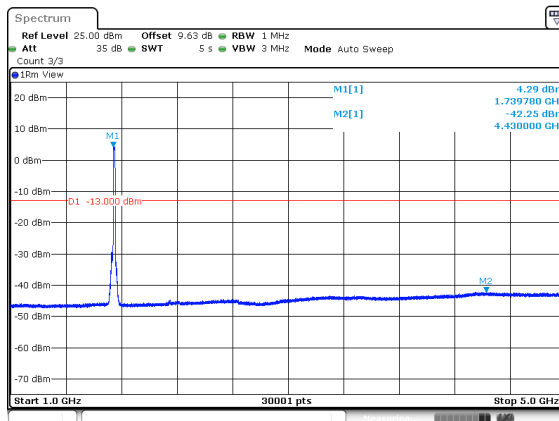
Band66_15MHz_QPSK_132047_75RB#0



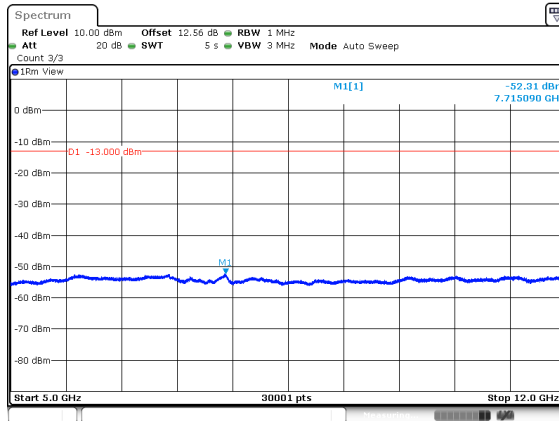
Band66_15MHz_QPSK_132322_75RB#0



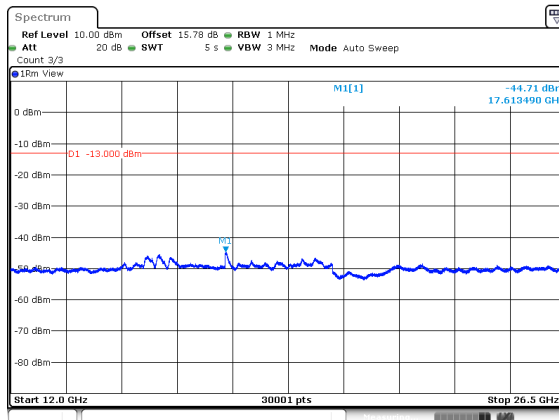
Band66_15MHz_QPSK_132322_75RB#0



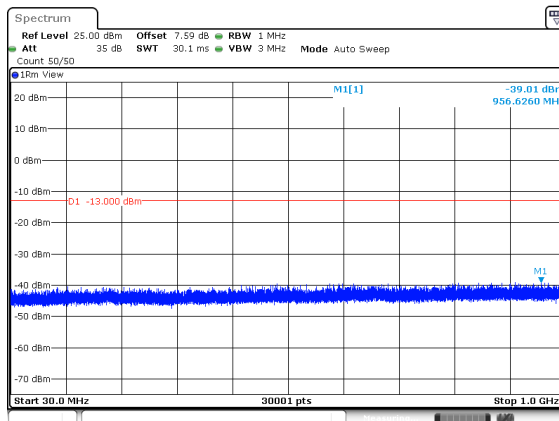
Band66_15MHz_QPSK_132322_75RB#0



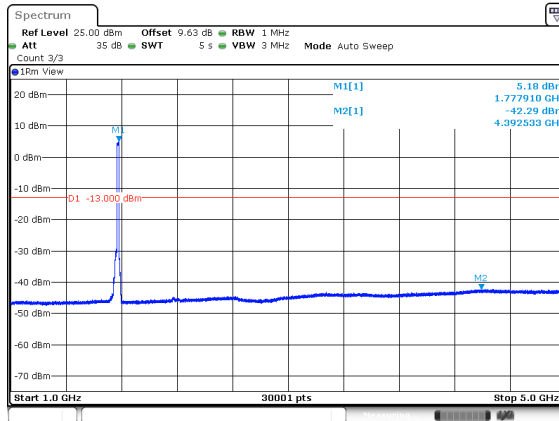
Band66_15MHz_QPSK_132322_75RB#0



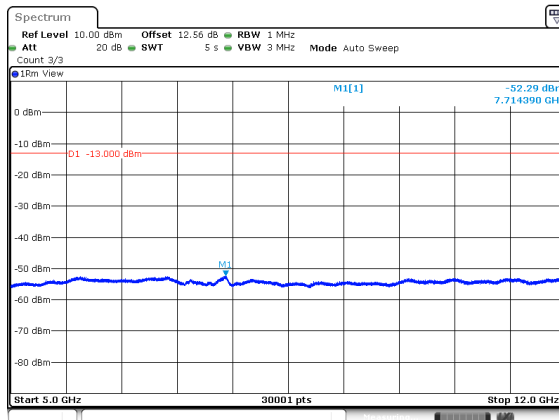
Band66_15MHz_QPSK_132597_75RB#0



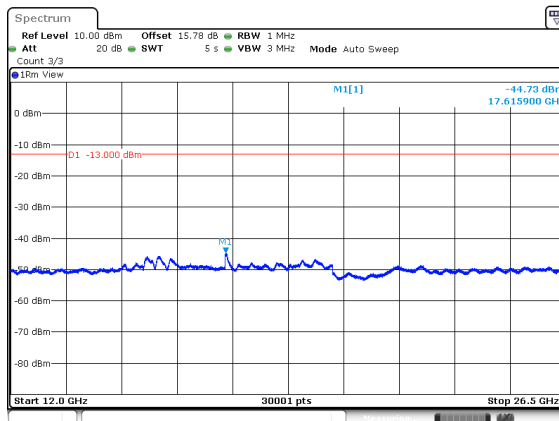
Band66_15MHz_QPSK_132597_75RB#0



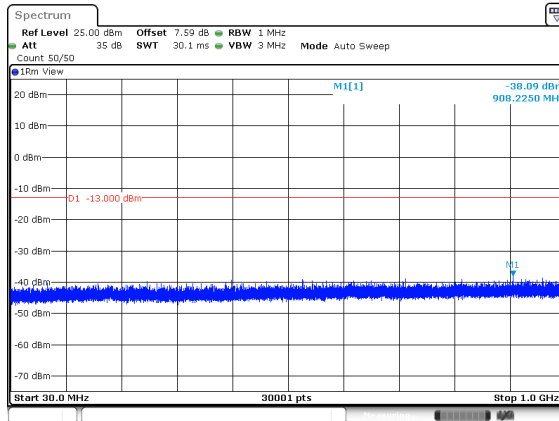
Band66_15MHz_QPSK_132597_75RB#0



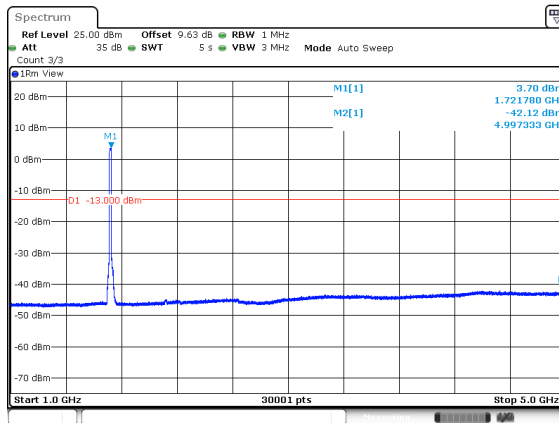
Band66_15MHz_QPSK_132597_75RB#0



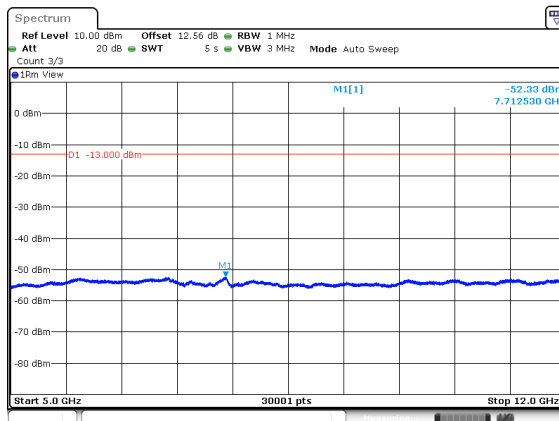
Band66_15MHz_16QAM_132047_75RB#0



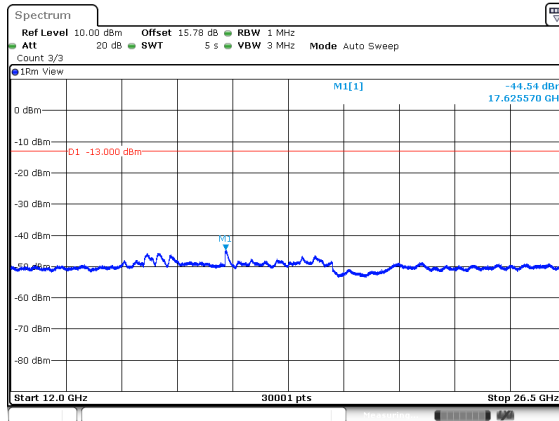
Band66_15MHz_16QAM_132047_75RB#0



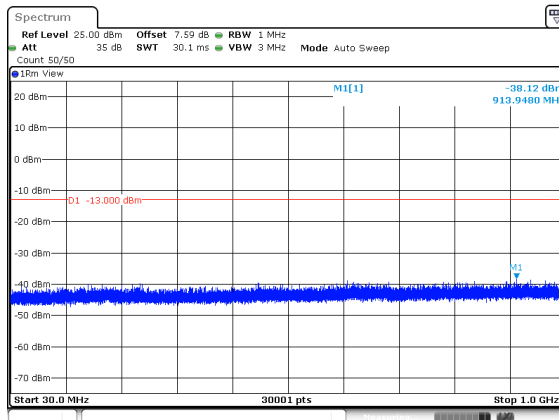
Band66_15MHz_16QAM_132047_75RB#0



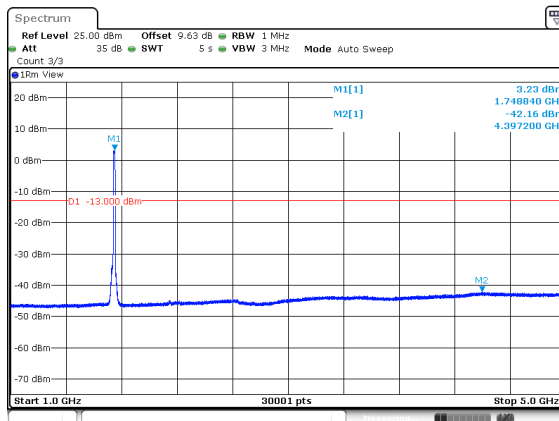
Band66_15MHz_16QAM_132047_75RB#0



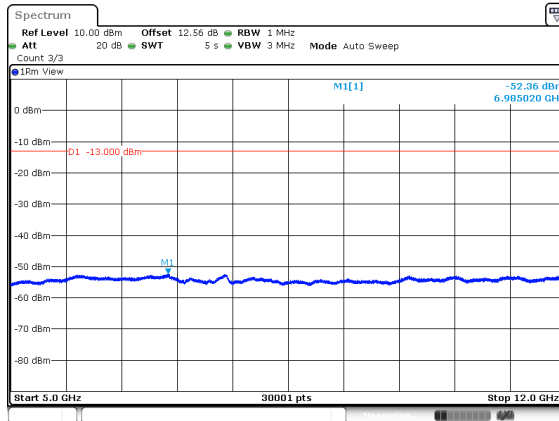
Band66_15MHz_16QAM_132322_75RB#0



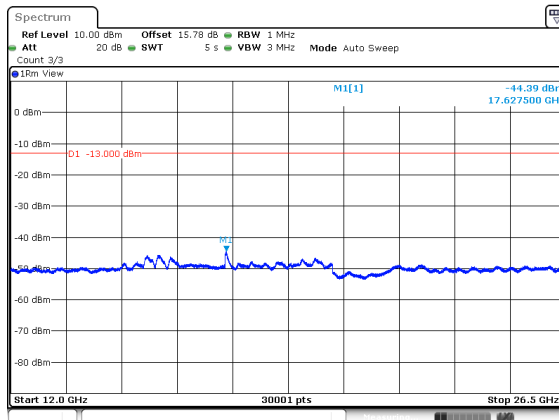
Band66_15MHz_16QAM_132322_75RB#0



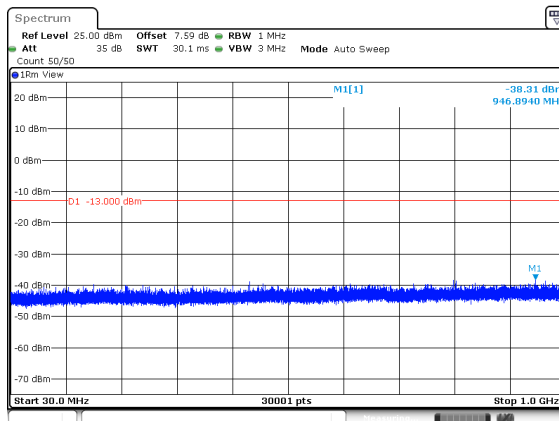
Band66_15MHz_16QAM_132322_75RB#0



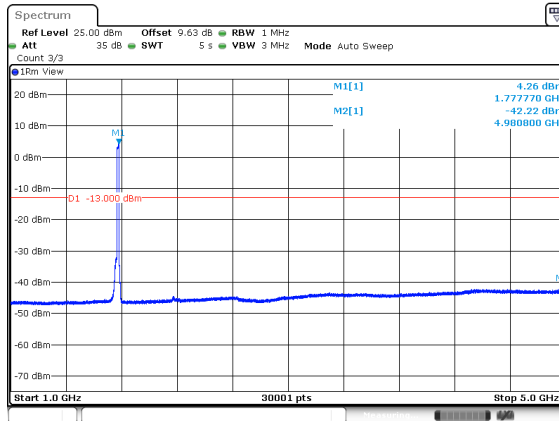
Band66_15MHz_16QAM_132322_75RB#0



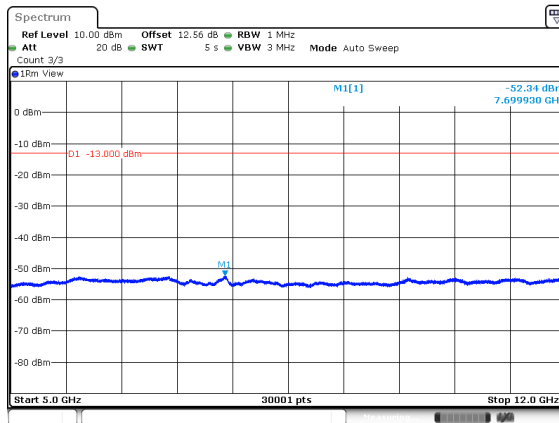
Band66_15MHz_16QAM_132597_75RB#0



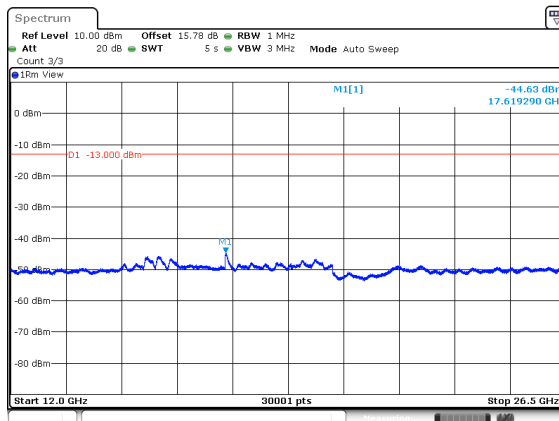
Band66_15MHz_16QAM_132597_75RB#0



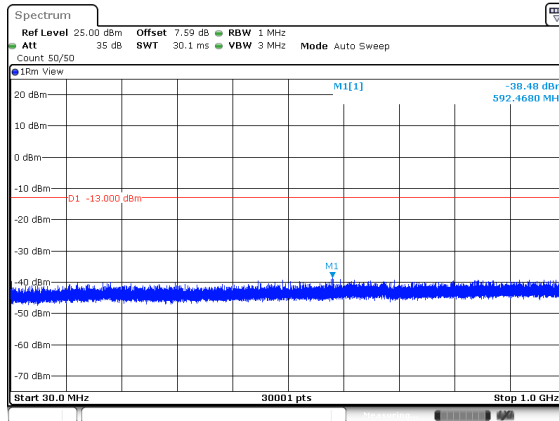
Band66_15MHz_16QAM_132597_75RB#0



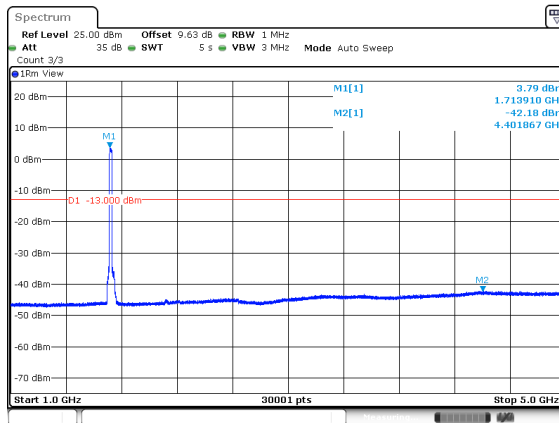
Band66_15MHz_16QAM_132597_75RB#0



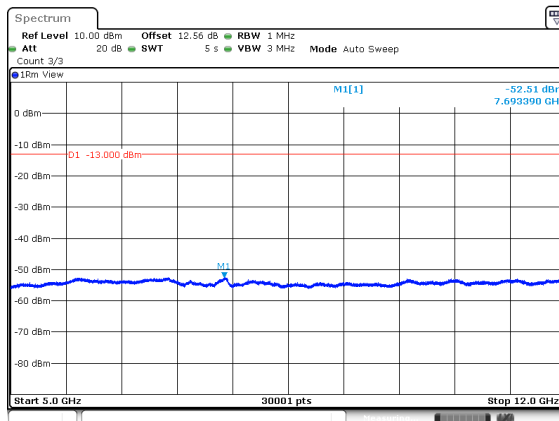
Band66_20MHz_QPSK_132072_100RB#0



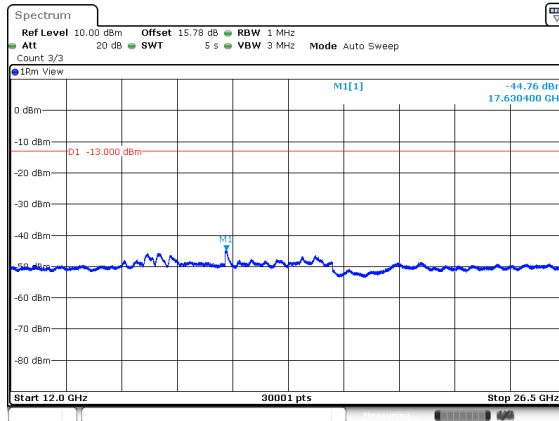
Band66_20MHz_QPSK_132072_100RB#0



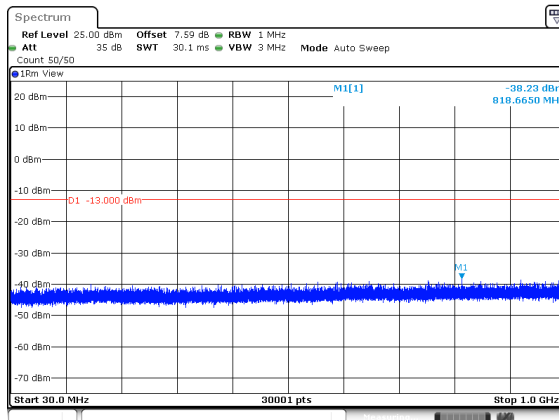
Band66_20MHz_QPSK_132072_100RB#0



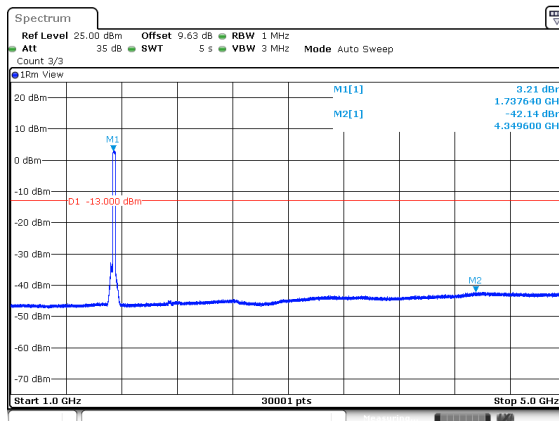
Band66_20MHz_QPSK_132072_100RB#0



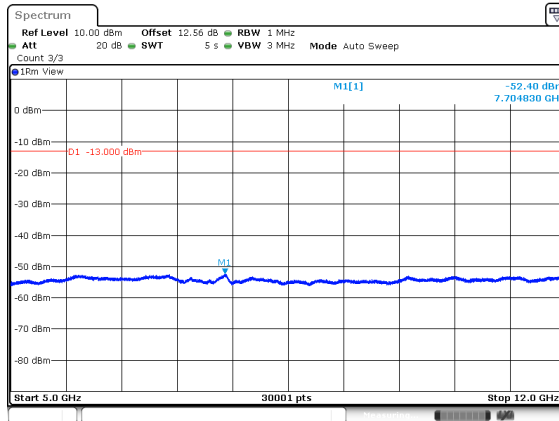
Band66_20MHz_QPSK_132322_100RB#0



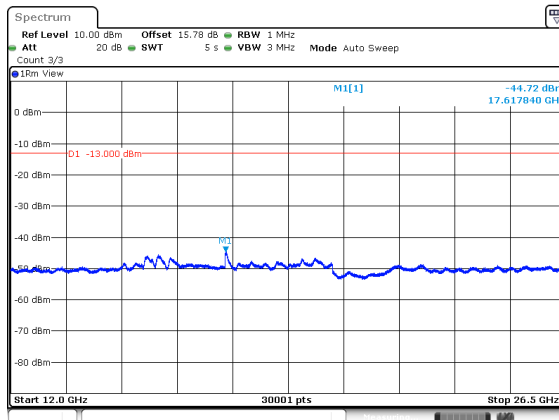
Band66_20MHz_QPSK_132322_100RB#0



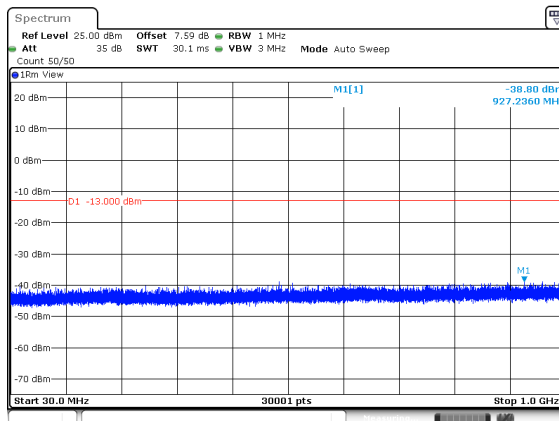
Band66_20MHz_QPSK_132322_100RB#0



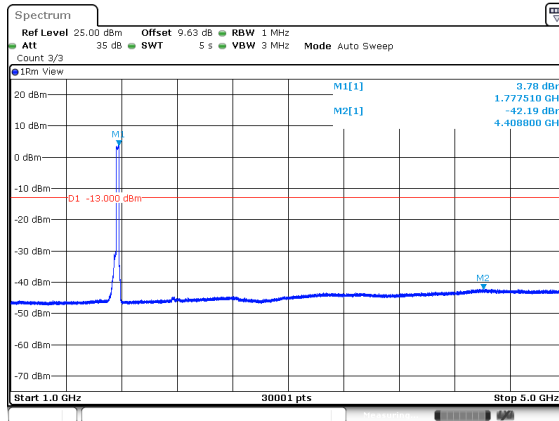
Band66_20MHz_QPSK_132322_100RB#0



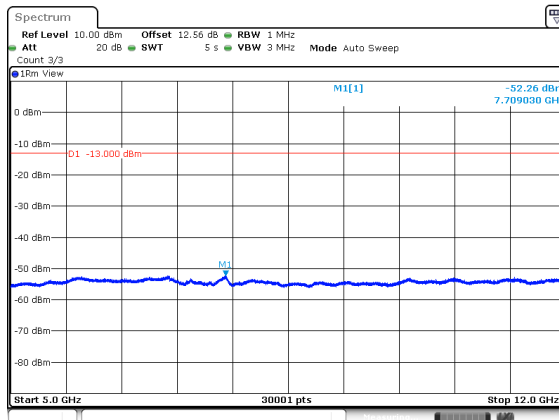
Band66_20MHz_QPSK_132572_100RB#0



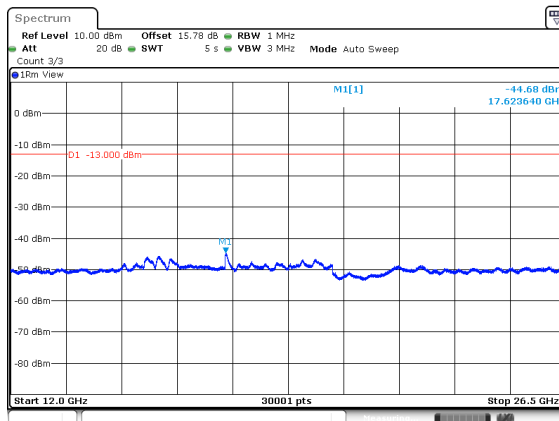
Band66_20MHz_QPSK_132572_100RB#0



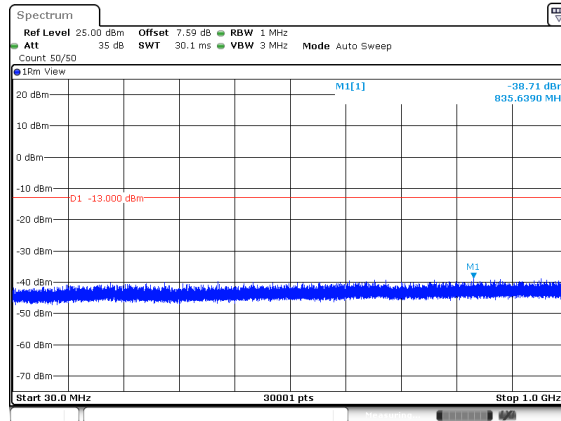
Band66_20MHz_QPSK_132572_100RB#0



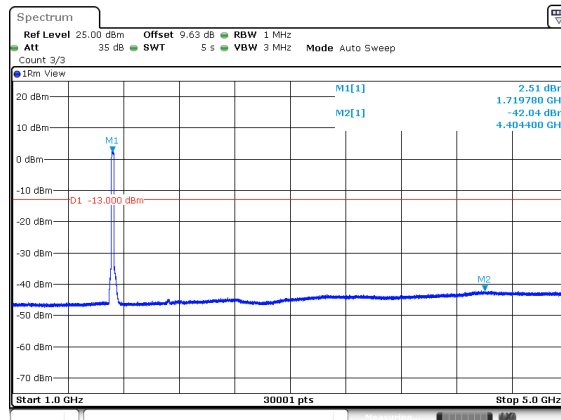
Band66_20MHz_QPSK_132572_100RB#0



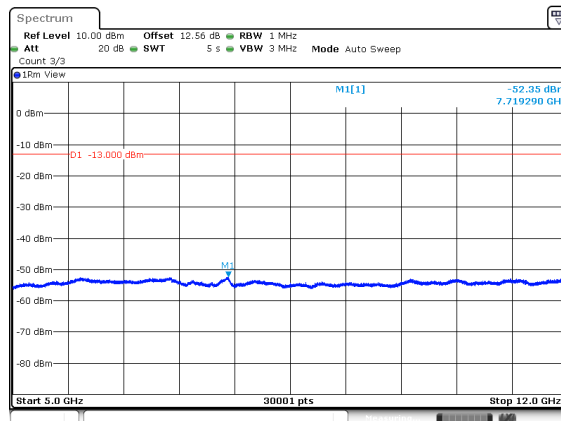
Band66_20MHz_16QAM_132072_100RB#0



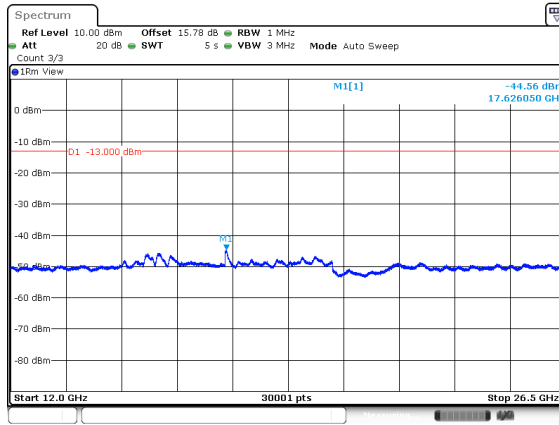
Band66_20MHz_16QAM_132072_100RB#0



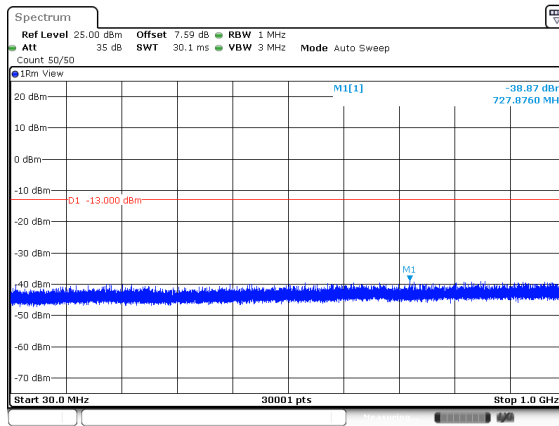
Band66_20MHz_16QAM_132072_100RB#0



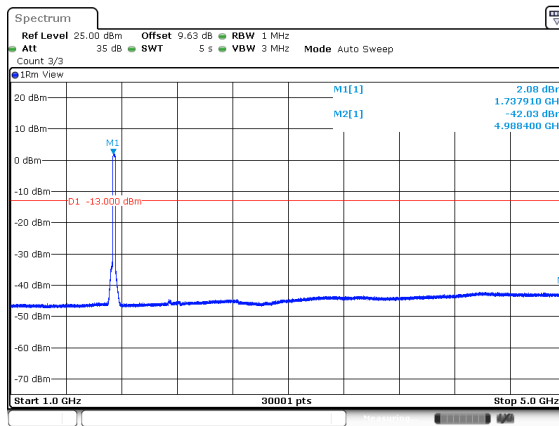
Band66_20MHz_16QAM_132072_100RB#0



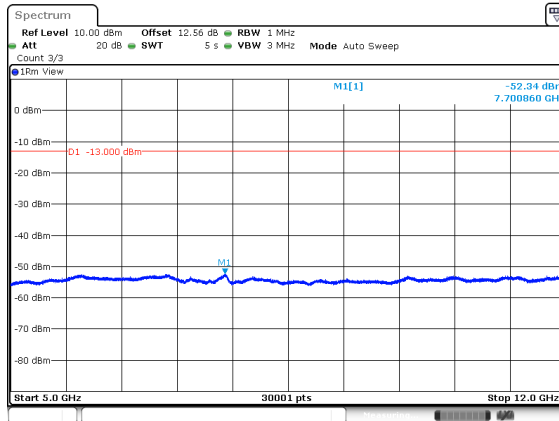
Band66_20MHz_16QAM_132322_100RB#0



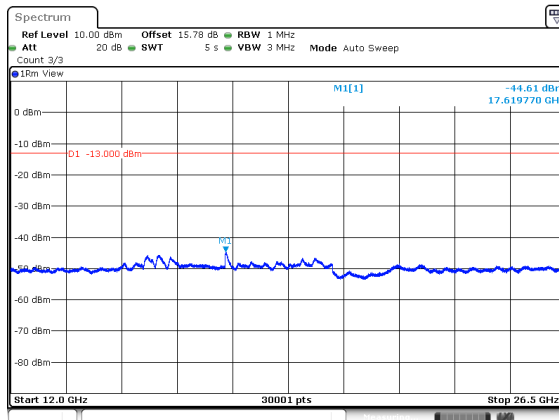
Band66_20MHz_16QAM_132322_100RB#0



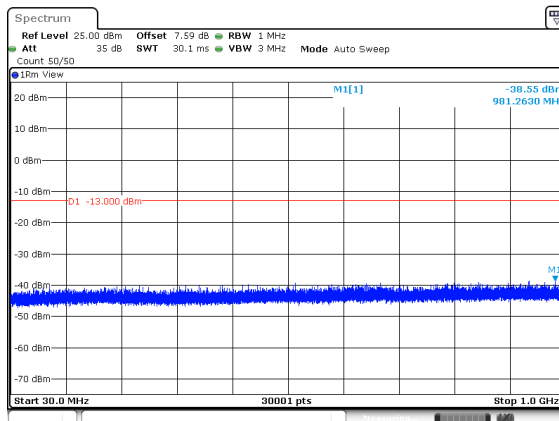
Band66_20MHz_16QAM_132322_100RB#0



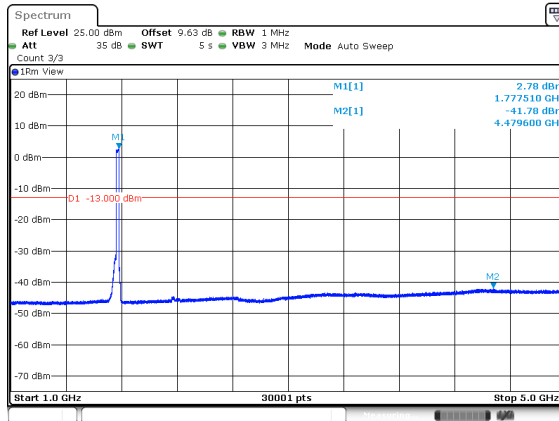
Band66_20MHz_16QAM_132322_100RB#0



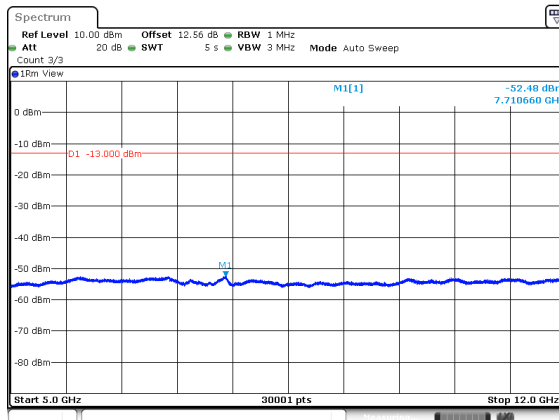
Band66_20MHz_16QAM_132572_100RB#0



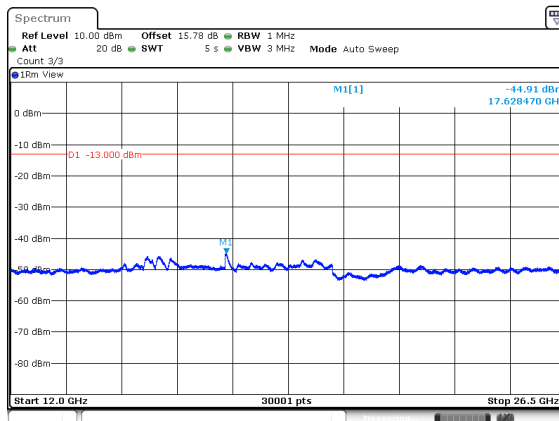
Band66_20MHz_16QAM_132572_100RB#0



Band66_20MHz_16QAM_132572_100RB#0

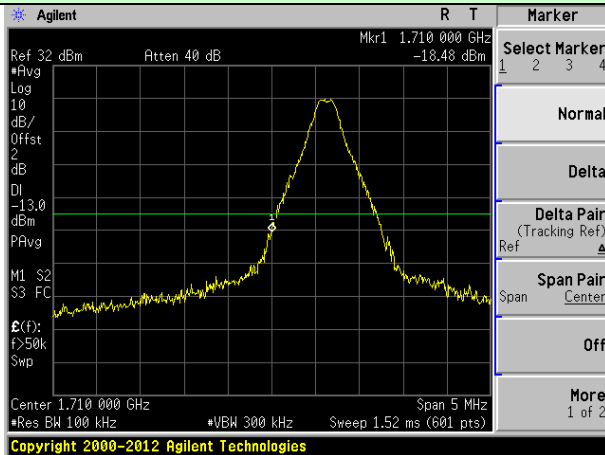


Band66_20MHz_16QAM_132572_100RB#0



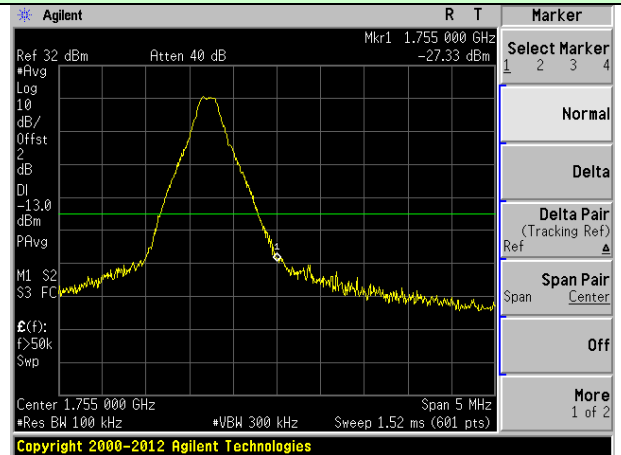
Band Edge:
QPSK mode:
 LTE Band 4

1.4MHz Bandwidth (RB size:1# RB offset:0#)



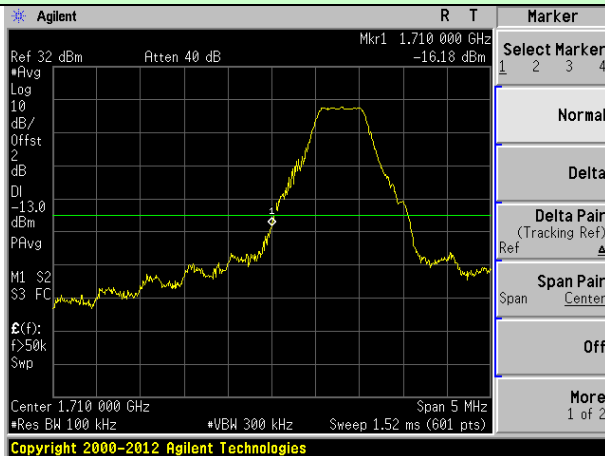
Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



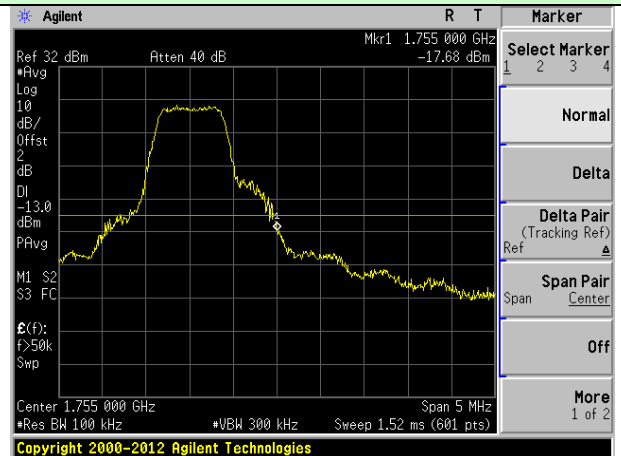
Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



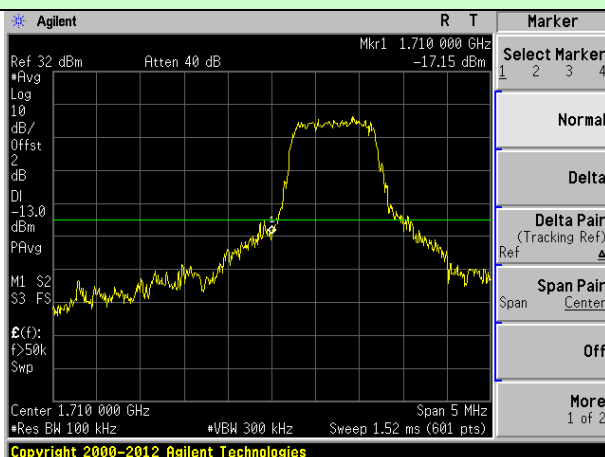
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



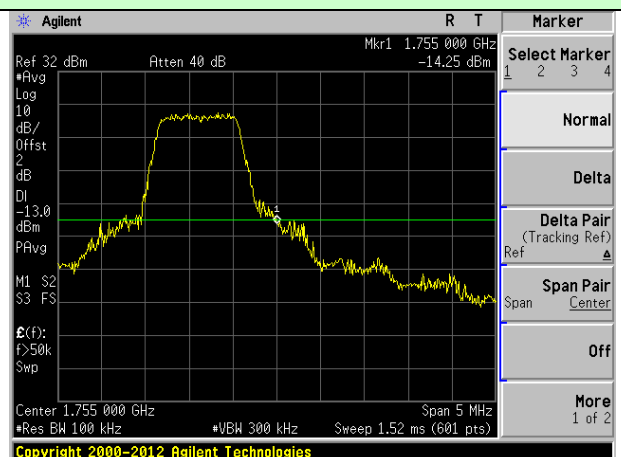
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



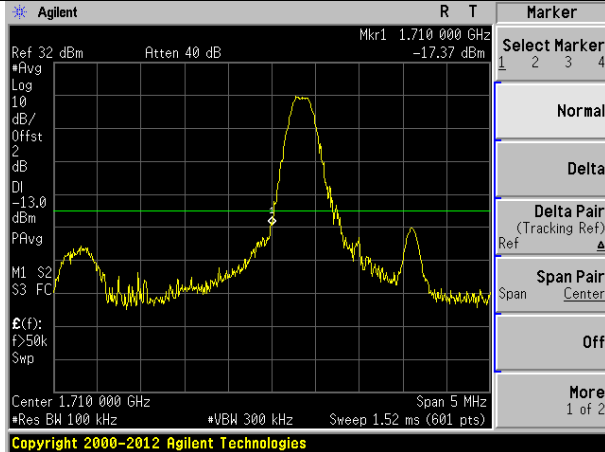
Lowest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)

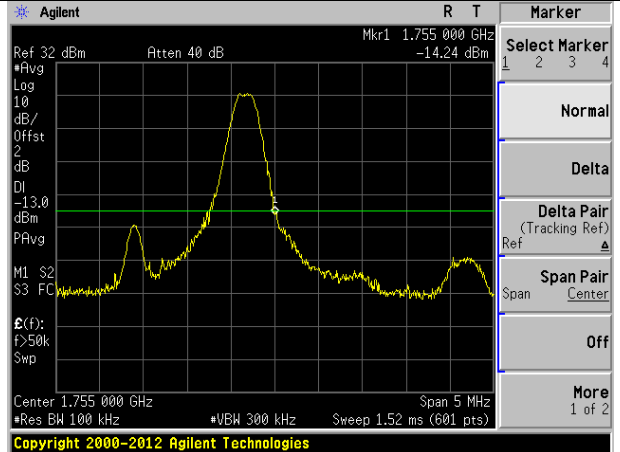


Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#) **3MHz Bandwidth (RB size:1# RB offset:14#)**

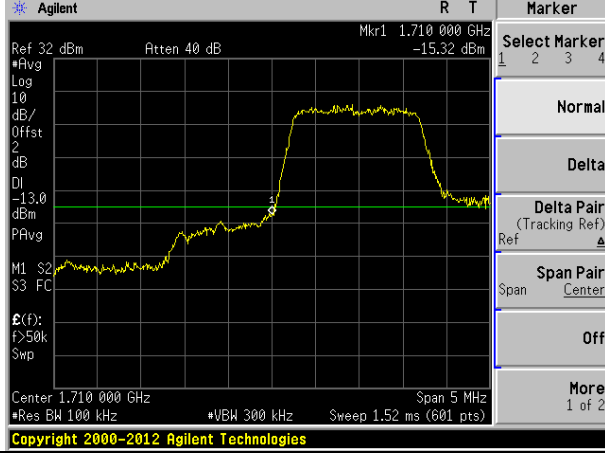


Lowest channel

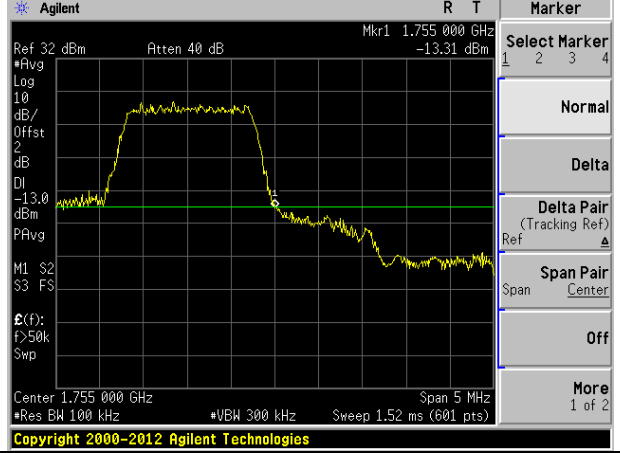


Highest channel

3MHz Bandwidth (RB size:8# RB offset:0#) **3MHz Bandwidth (RB size:8# RB offset:7#)**

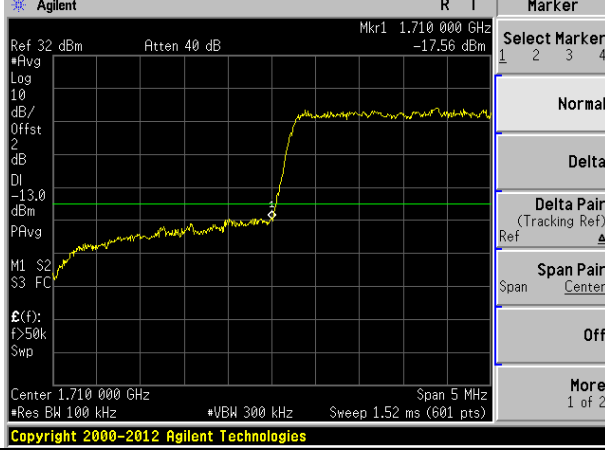


Lowest channel

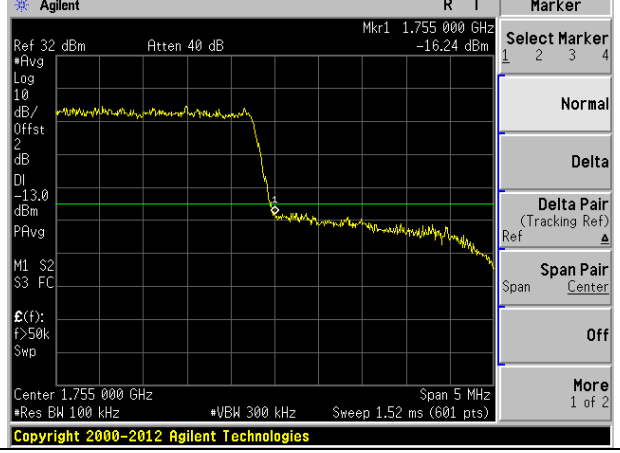


Highest channel

3MHz Bandwidth (RB size:15# RB offset:0#) **3MHz Bandwidth (RB size:15# RB offset:0#)**

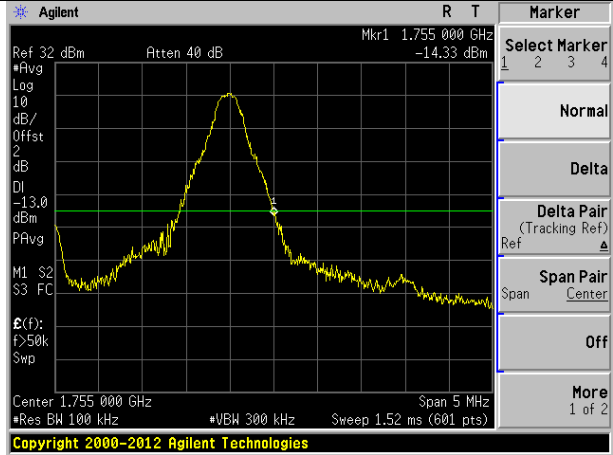
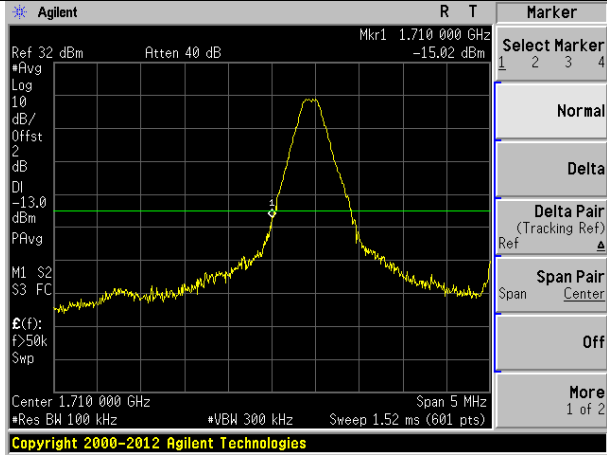


Lowest channel



Highest channel

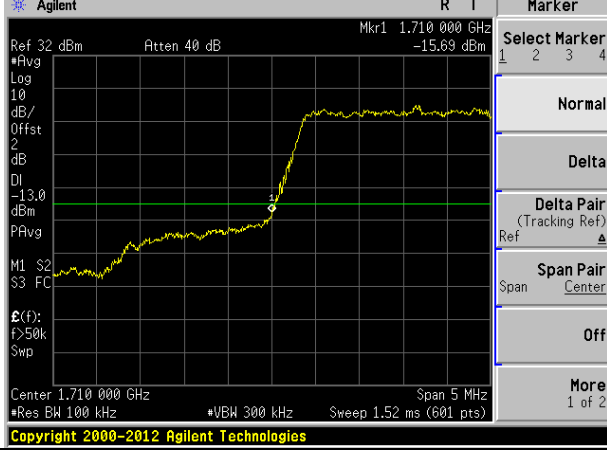
5MHz Bandwidth (RB size:1# RB offset:0#) 5MHz Bandwidth (RB size:1# RB offset:24#)



Lowest channel

Highest channel

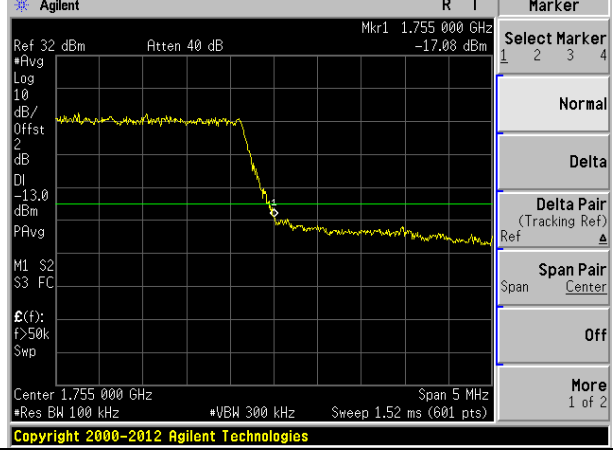
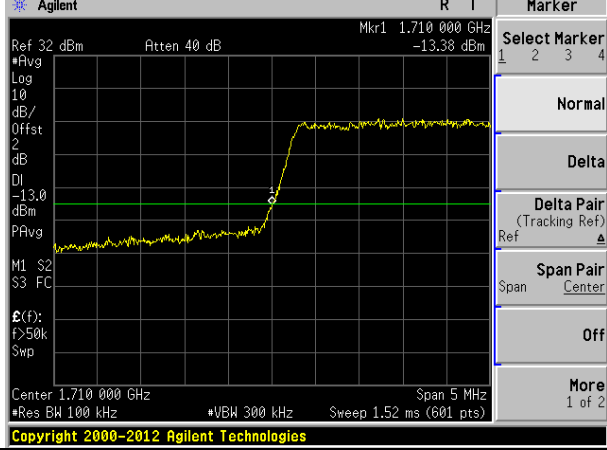
5MHz Bandwidth (RB size:12# RB offset:0#) 5MHz Bandwidth (RB size:12# RB offset:13#)



Lowest channel

Highest channel

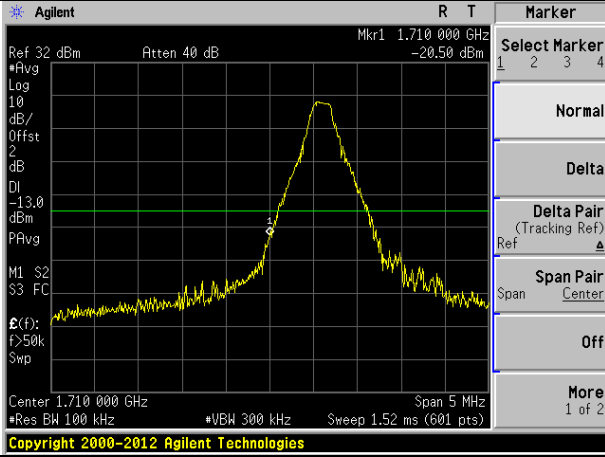
5MHz Bandwidth (RB size:25# RB offset:0#) 5MHz Bandwidth (RB size:25# RB offset:0#)



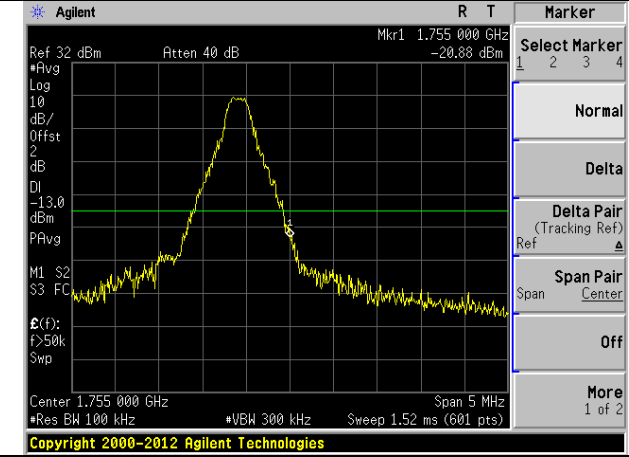
Lowest channel

Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#) 10MHz Bandwidth (RB size:1# RB offset:49#)

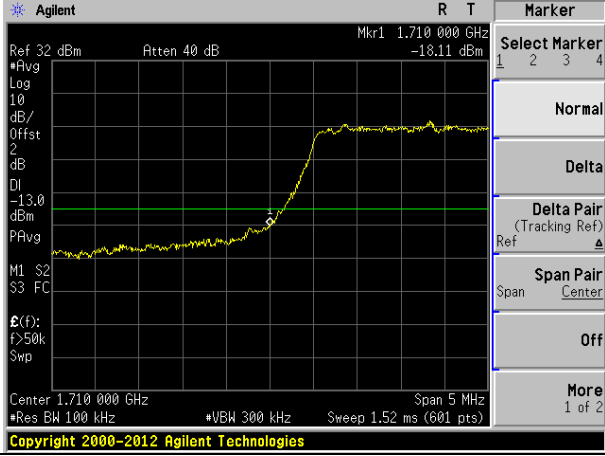


Lowest channel

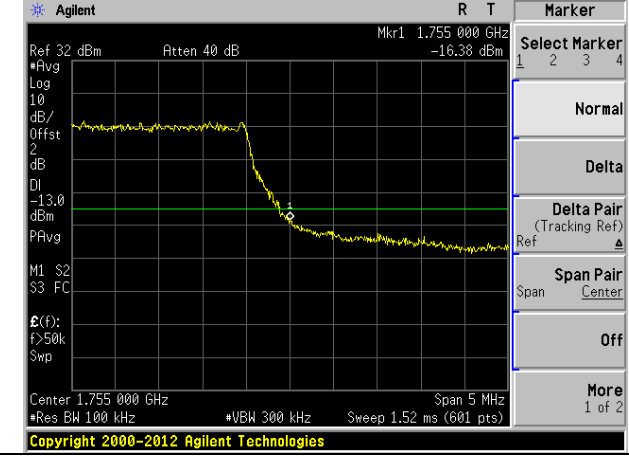


Highest channel

10MHz Bandwidth (RB size:25# RB offset:0#) 10MHz Bandwidth (RB size:25# RB offset:25#)

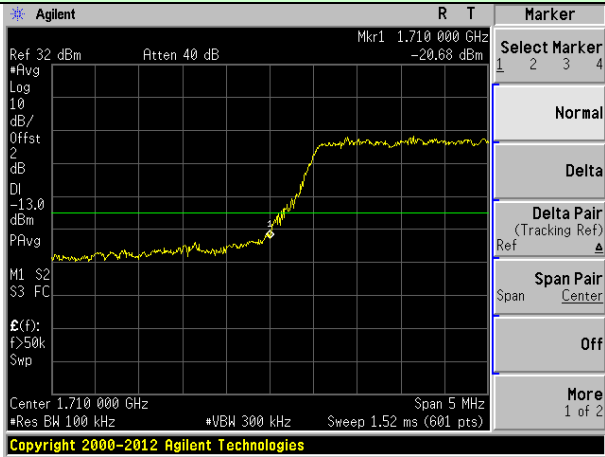


Lowest channel

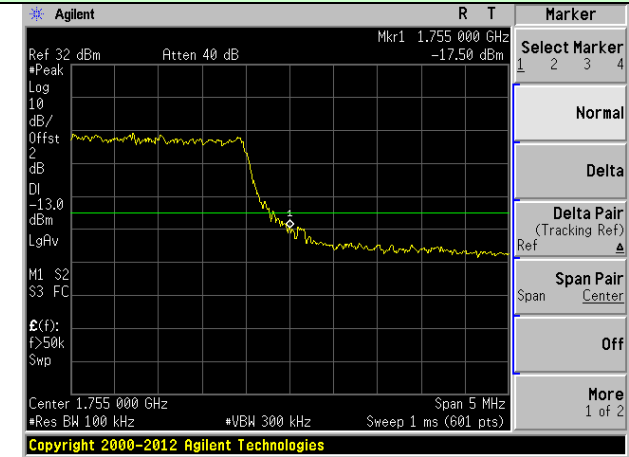


Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#) 10MHz Bandwidth (RB size:50# RB offset:0#)

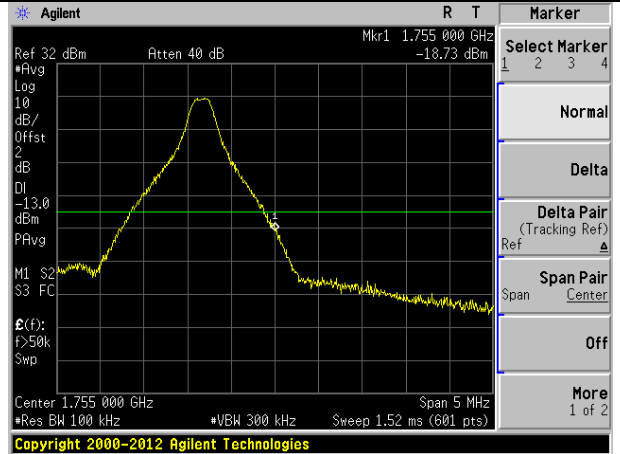
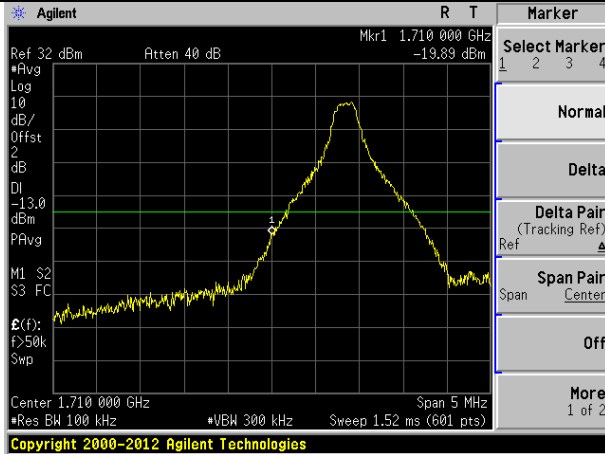


Lowest channel



Highest channel

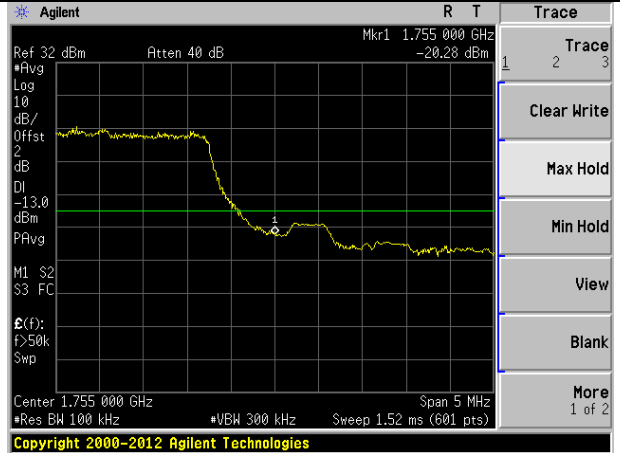
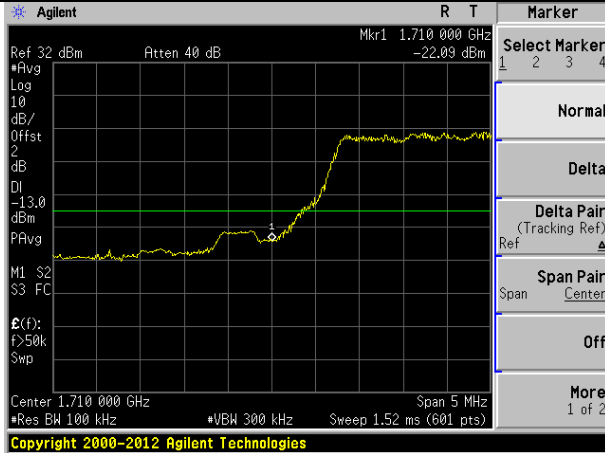
15MHz Bandwidth (RB size:1# RB offset:0#) 15MHz Bandwidth (RB size:1# RB offset:74#)



Lowest channel

Highest channel

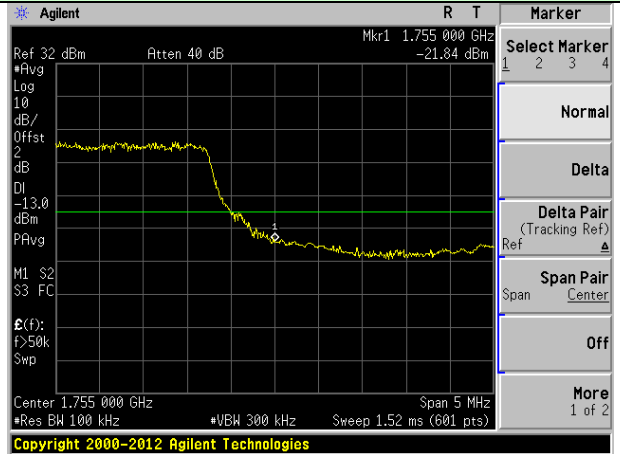
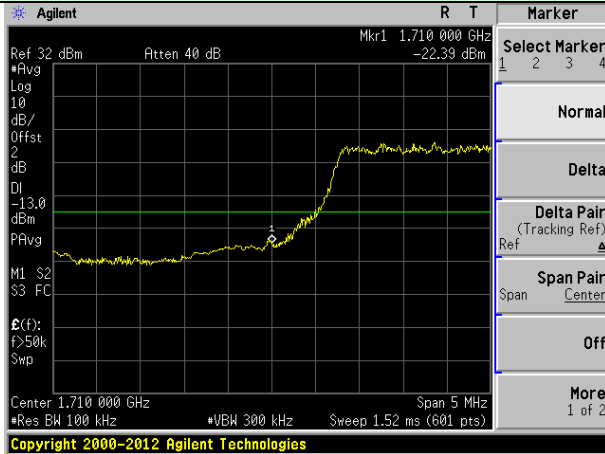
15MHz Bandwidth (RB size:36# RB offset:0#) 15MHz Bandwidth (RB size:36# RB offset:39#)



Lowest channel

Highest channel

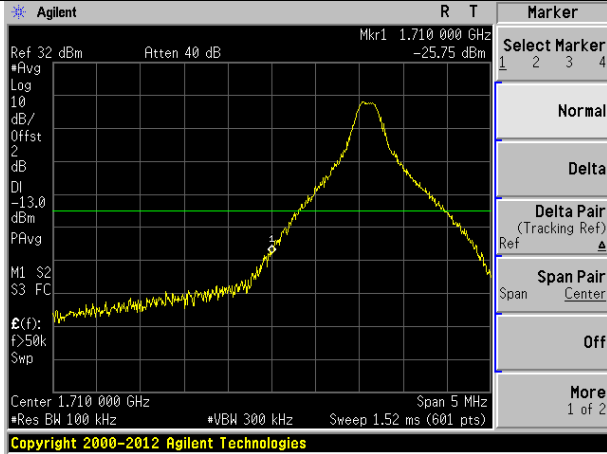
15MHz Bandwidth (RB size:75# RB offset:0#) 15MHz Bandwidth (RB size:75# RB offset:0#)



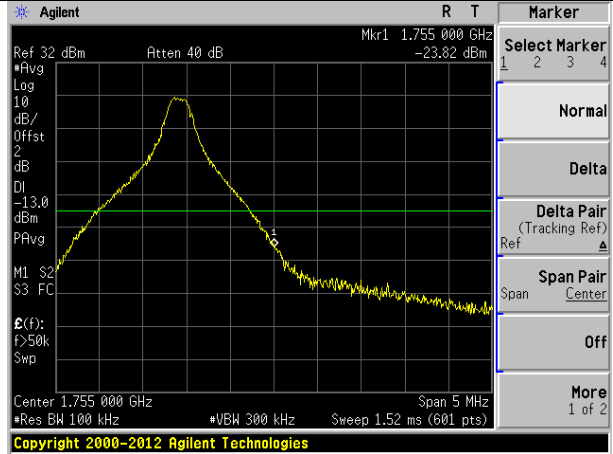
Lowest channel

Highest channel

20MHz Bandwidth (RB size:1# RB offset:0#) 20MHz Bandwidth (RB size:1# RB offset:99#)

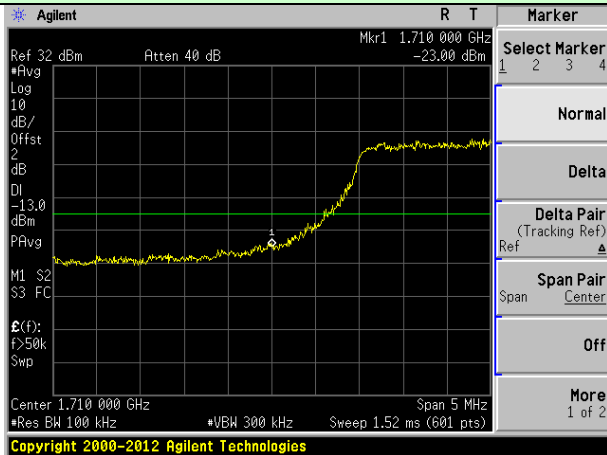


Lowest channel

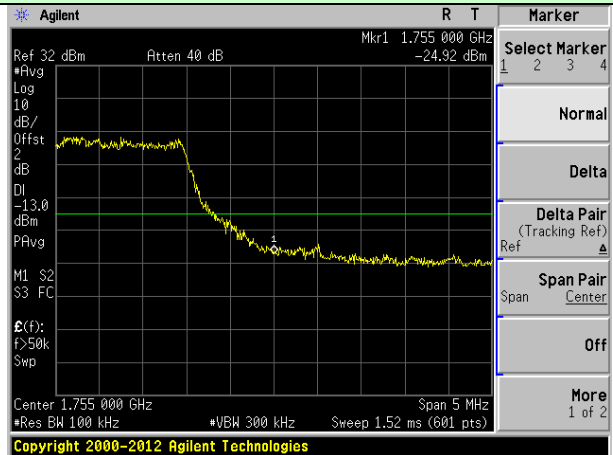


Highest channel

20MHz Bandwidth (RB size:50# RB offset:0#) 20MHz Bandwidth (RB size:50# RB offset:50#)

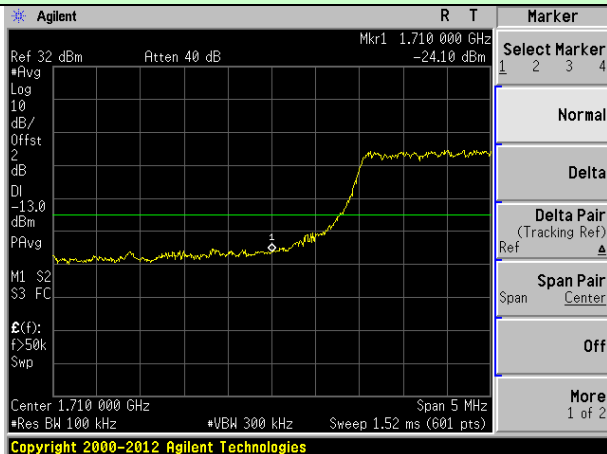


Lowest channel

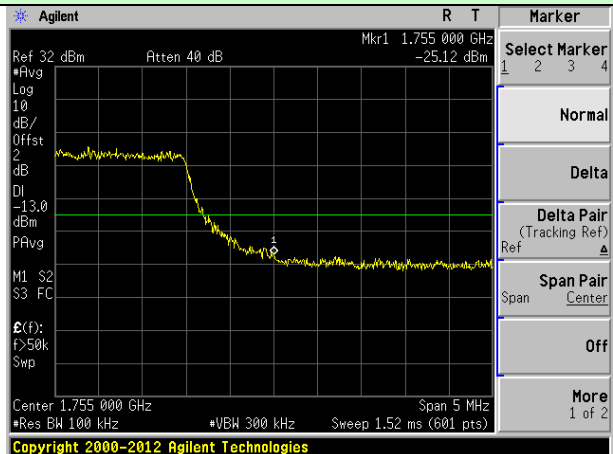


Highest channel

20MHz Bandwidth (RB size:100# RB offset:0#) 20MHz Bandwidth (RB size:100# RB offset:0#)



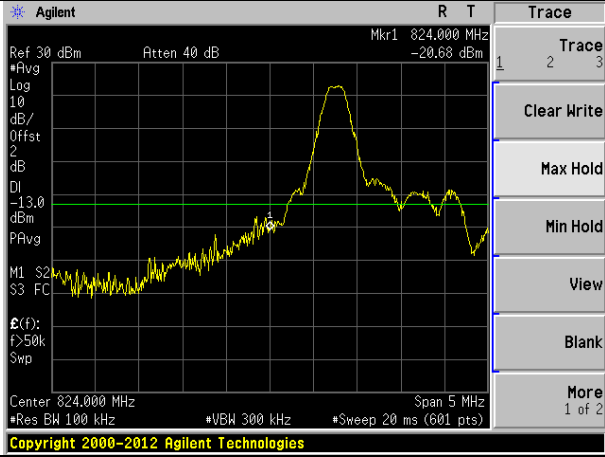
Lowest channel



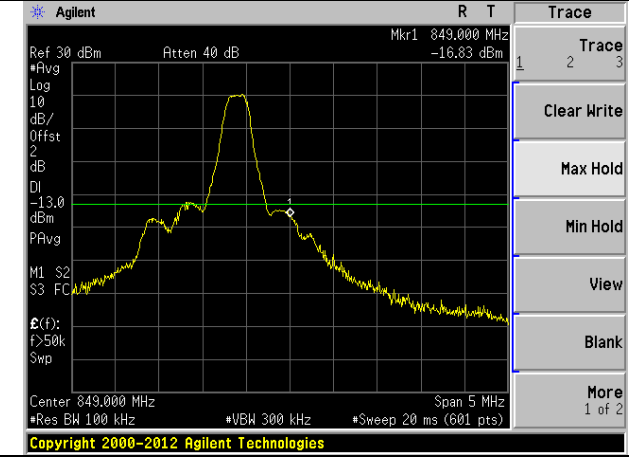
Highest channel

LTE Band 5:

1.4MHz Bandwidth (RB size:1# RB offset:0#) 1.4MHz Bandwidth (RB size:1# RB offset:24#)



Lowest channel



Highest channel

1.4MHz Bandwidth (RB size:12# RB offset:0#) 1.4MHz Bandwidth (RB size:12# RB offset:13#)

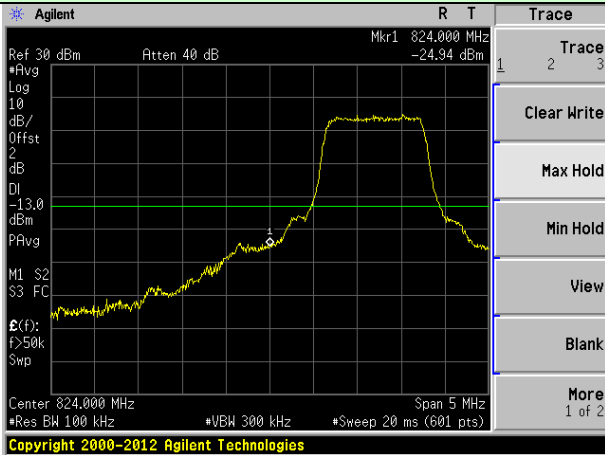


Lowest channel

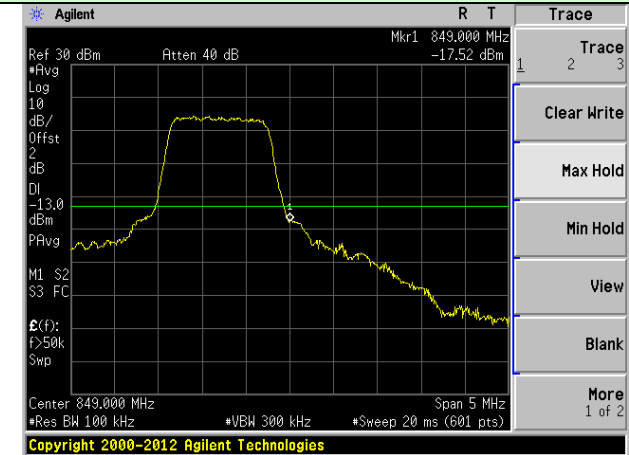


Highest channel

1.4MHz Bandwidth (RB size:25# RB offset:0#) 1.4MHz Bandwidth (RB size:25# RB offset:0#)

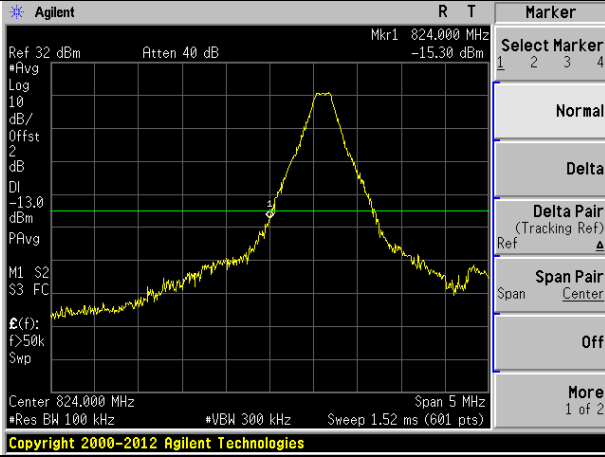


Lowest channel

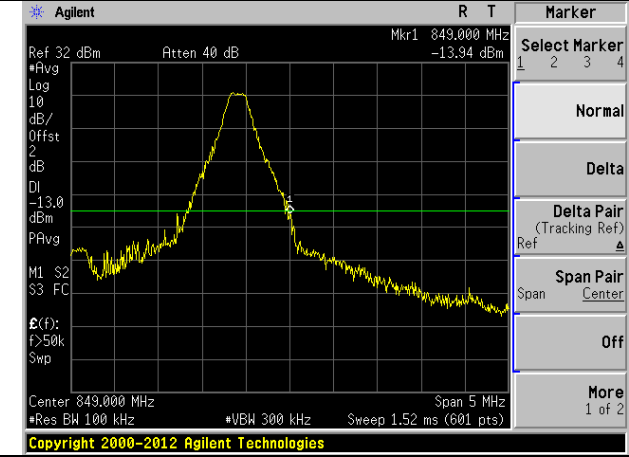


Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#) 3MHz Bandwidth (RB size:1# RB offset:49#)

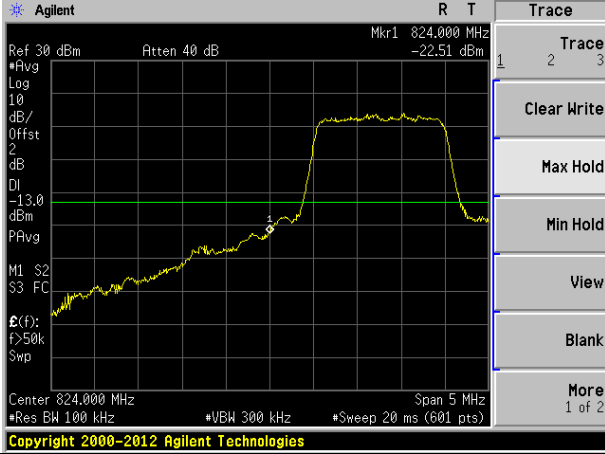


Lowest channel

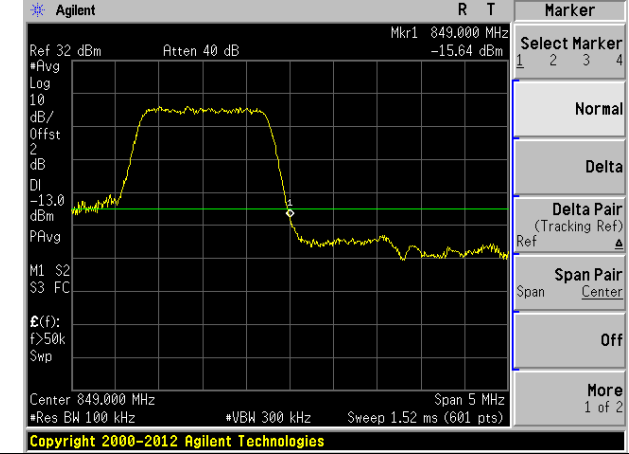


Highest channel

3MHz Bandwidth (RB size:25# RB offset:0#) 3MHz Bandwidth (RB size:25# RB offset:25#)

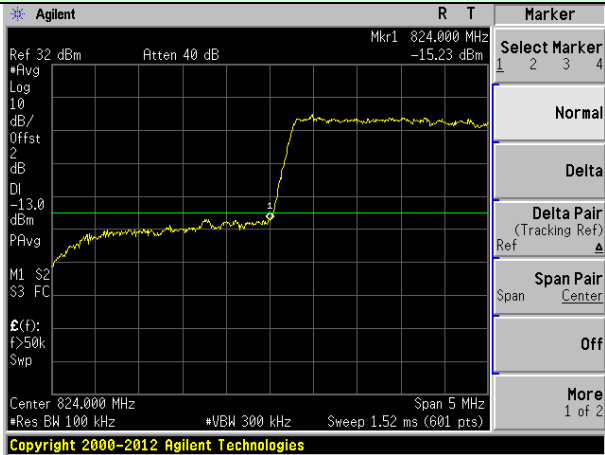


Lowest channel

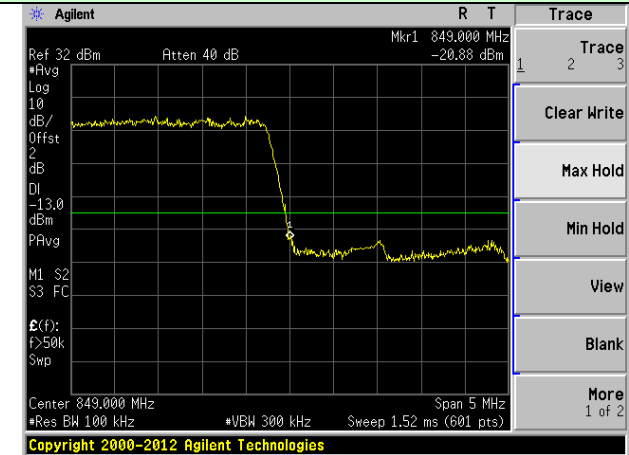


Highest channel

3MHz Bandwidth (RB size:50# RB offset:0#) 3MHz Bandwidth (RB size:50# RB offset:0#)

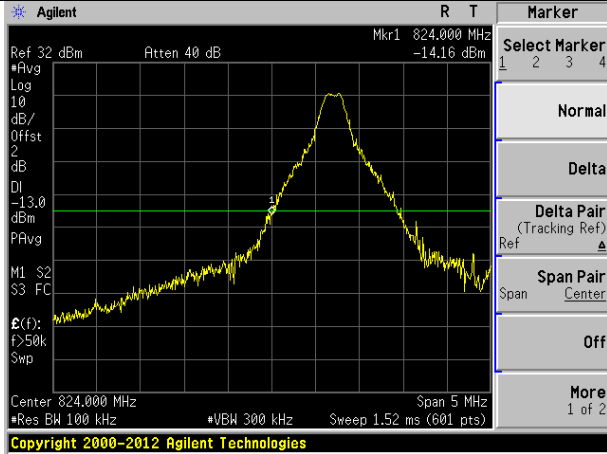


Lowest channel

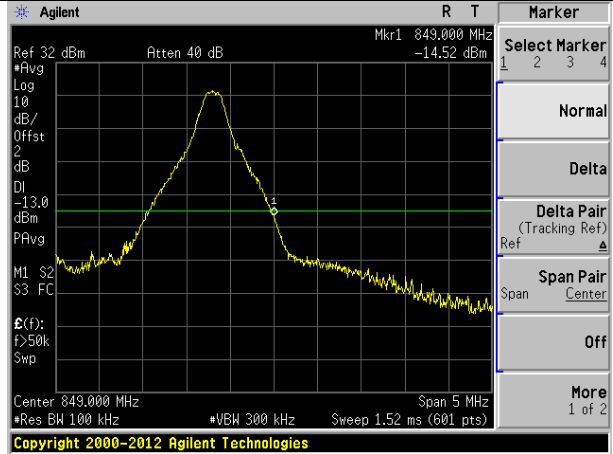


Highest channel

5MHz Bandwidth (RB size:1# RB offset:0#) 5MHz Bandwidth (RB size:1# RB offset:74#)

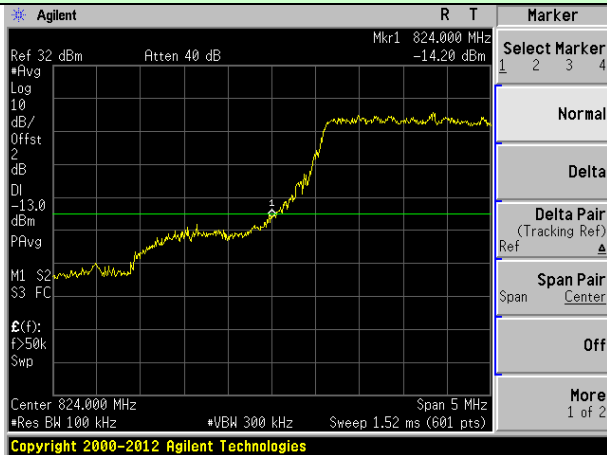


Lowest channel

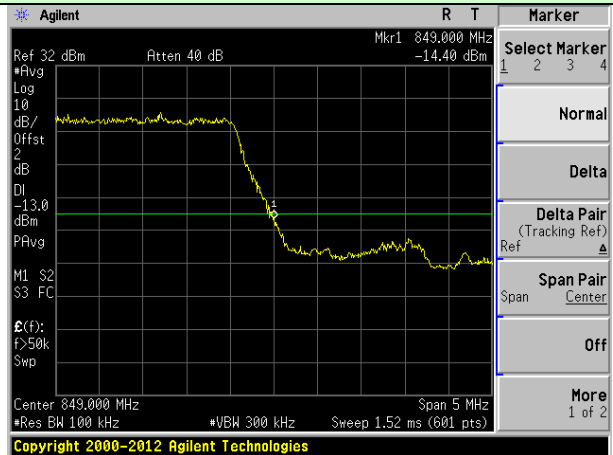


Highest channel

5MHz Bandwidth (RB size:36# RB offset:0#) 5MHz Bandwidth (RB size:36# RB offset:39#)

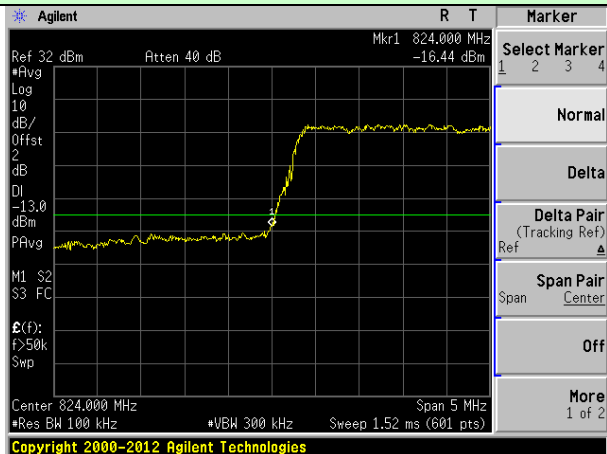


Lowest channel

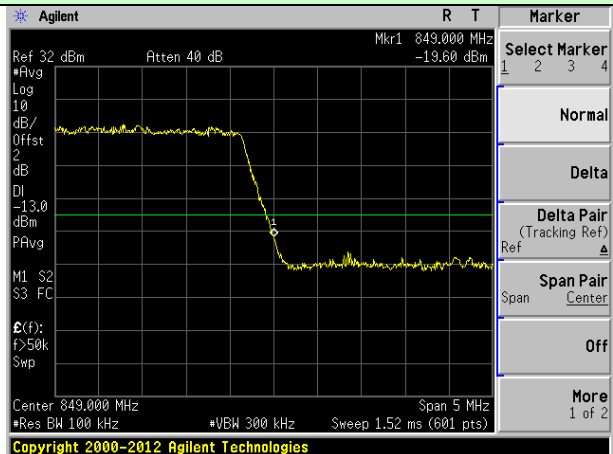


Highest channel

5MHz Bandwidth (RB size:75# RB offset:0#) 5MHz Bandwidth (RB size:75# RB offset:0#)

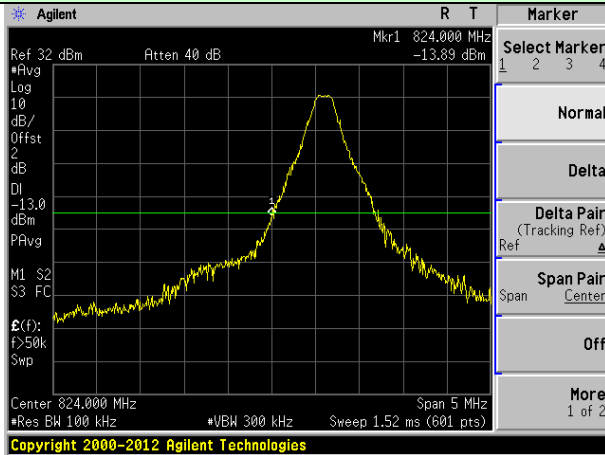


Lowest channel



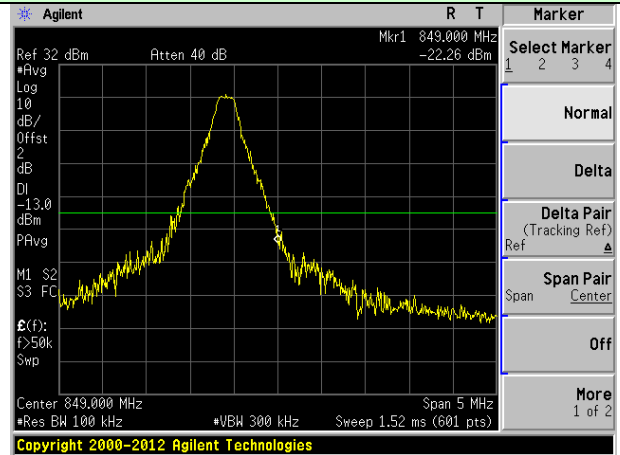
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



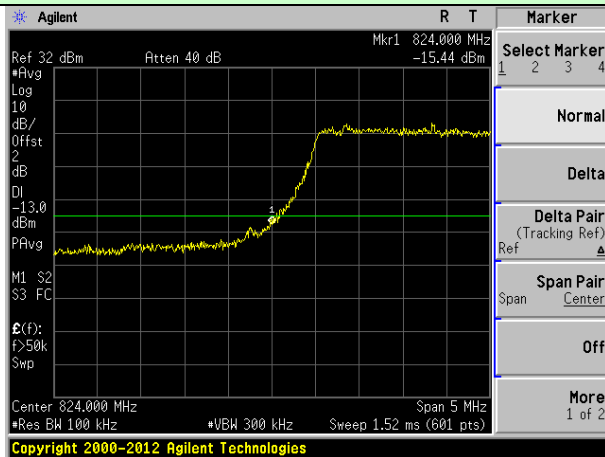
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:99#)



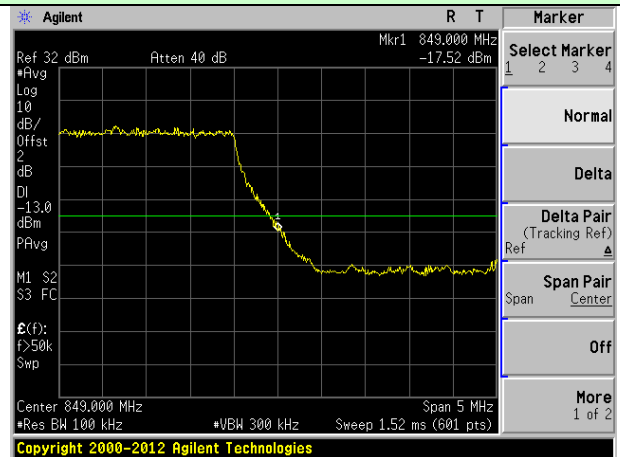
Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#)



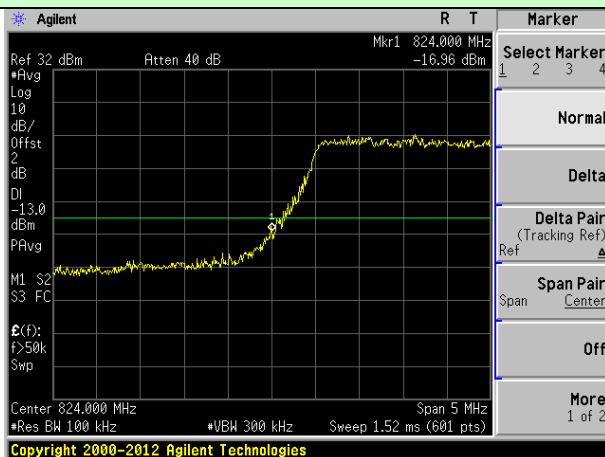
Lowest channel

10MHz Bandwidth (RB size:50# RB offset:50#)



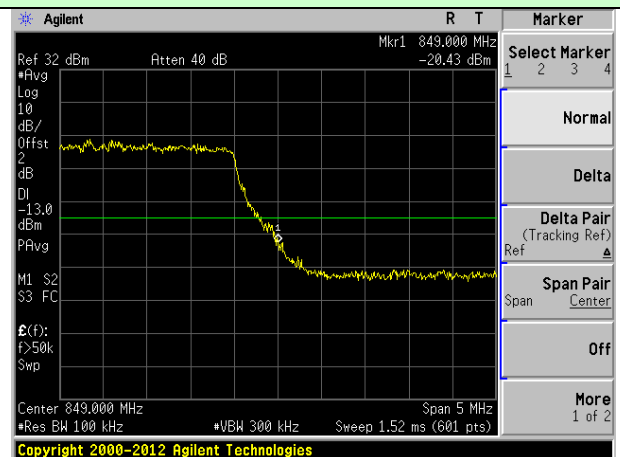
Highest channel

10MHz Bandwidth (RB size:100# RB offset:0#)



Lowest channel

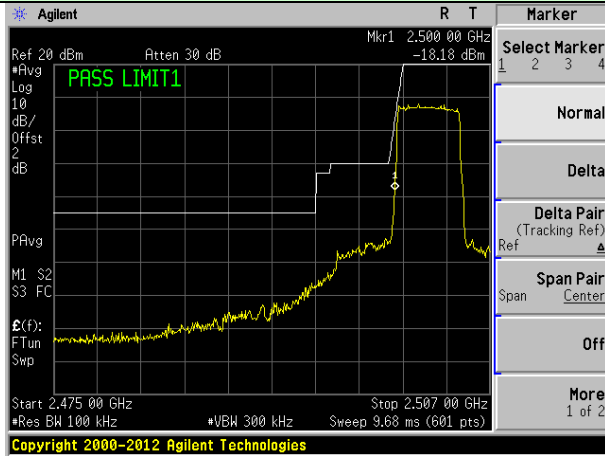
10MHz Bandwidth (RB size:100# RB offset:0#)



Highest channel

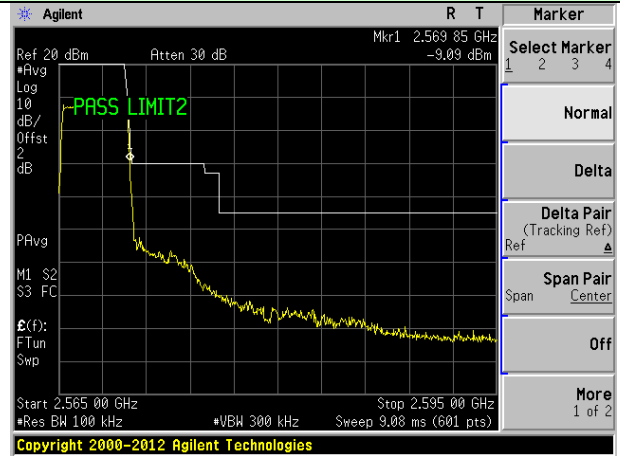
LTE Band 7:

5MHz Bandwidth (RB size:1# RB offset:0#)



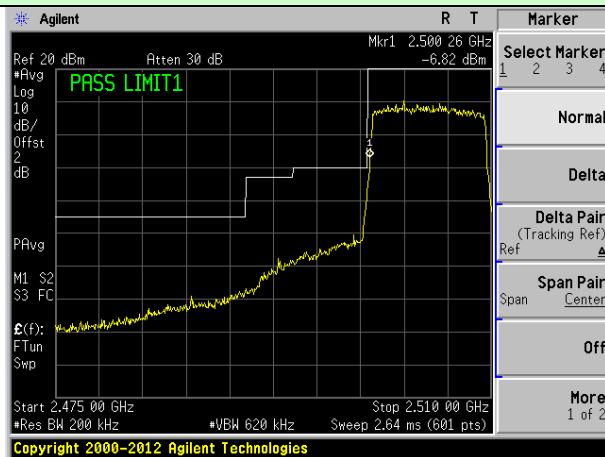
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



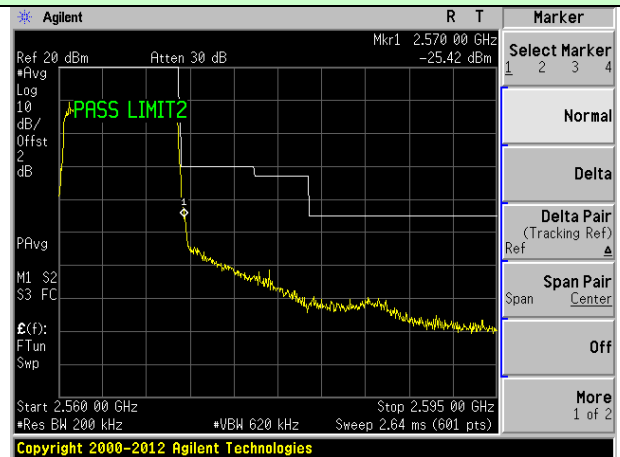
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



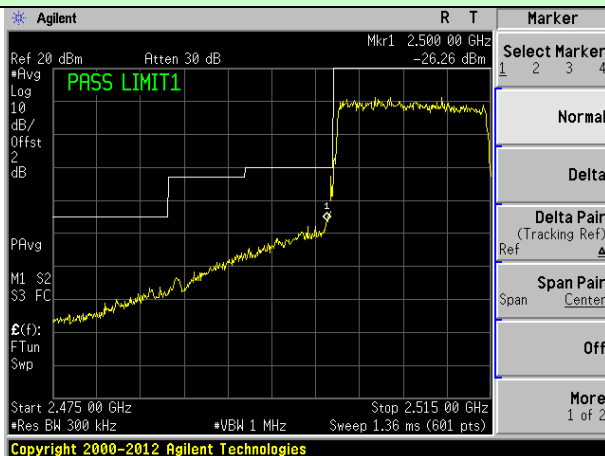
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



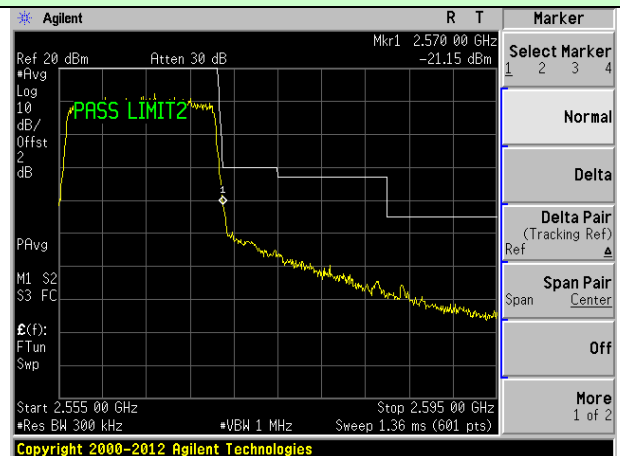
Highest channel

15MHz Bandwidth (RB size:1# RB offset:0#)

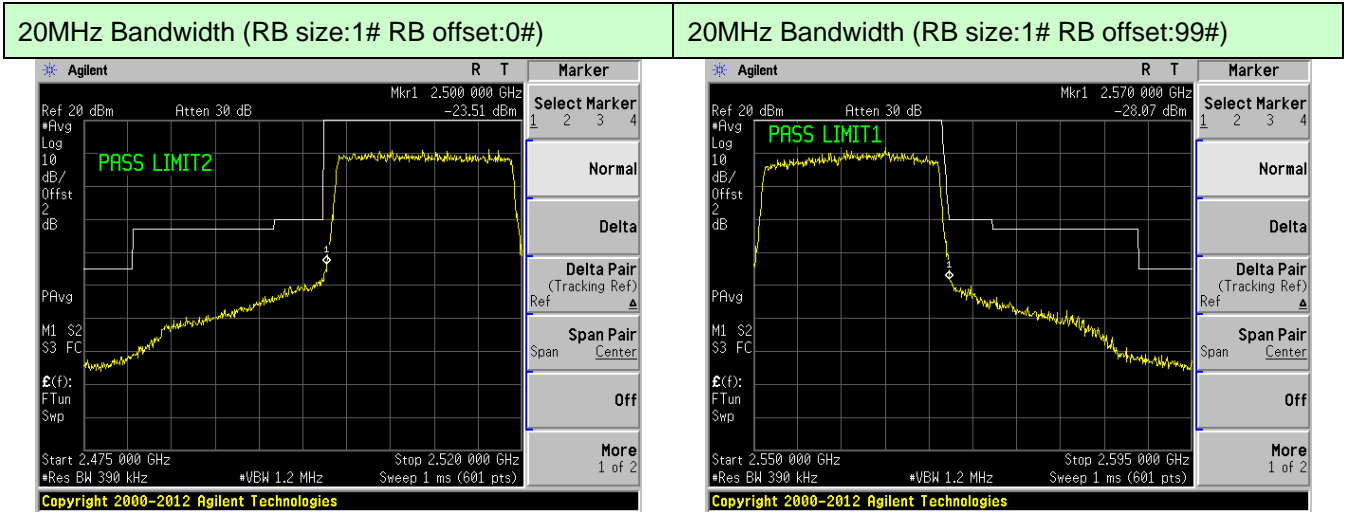


Lowest channel

15MHz Bandwidth (RB size:1# RB offset:74#)



Highest channel

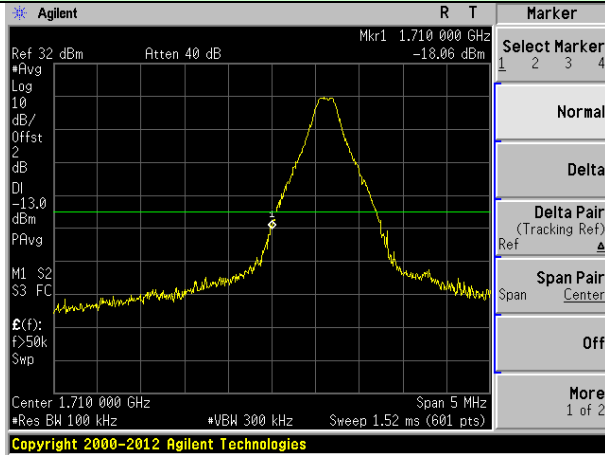


Lowest channel

Highest channel

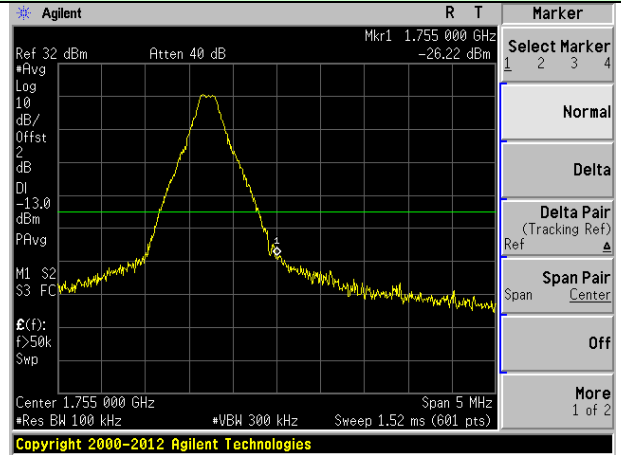
LTE Band 4 (16QAM mode):

1.4MHz Bandwidth (RB size:1# RB offset:0#)



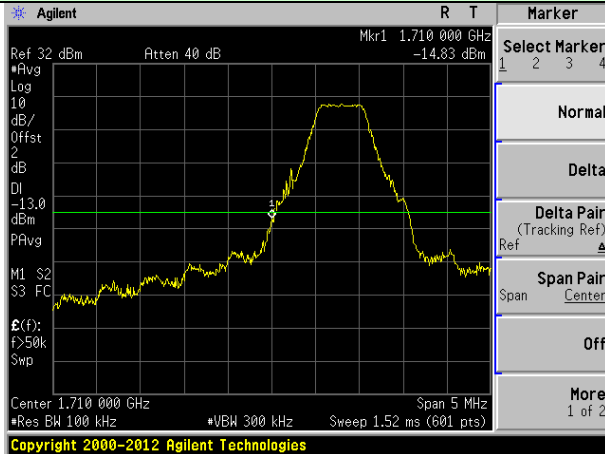
Lowest channel

1.4MHz Bandwidth (RB size:1# RB offset:5#)



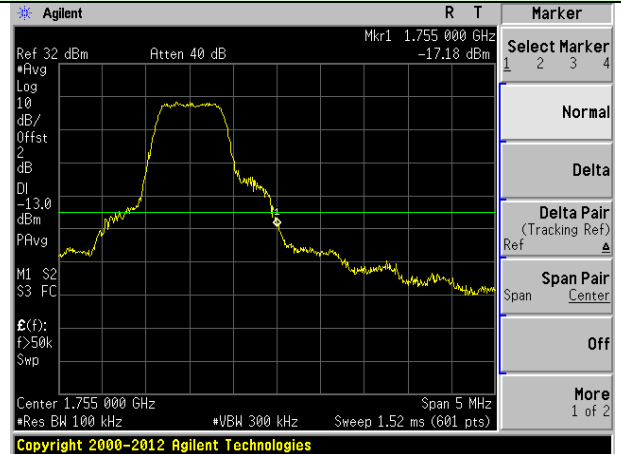
Highest channel

1.4MHz Bandwidth (RB size:3# RB offset:0#)



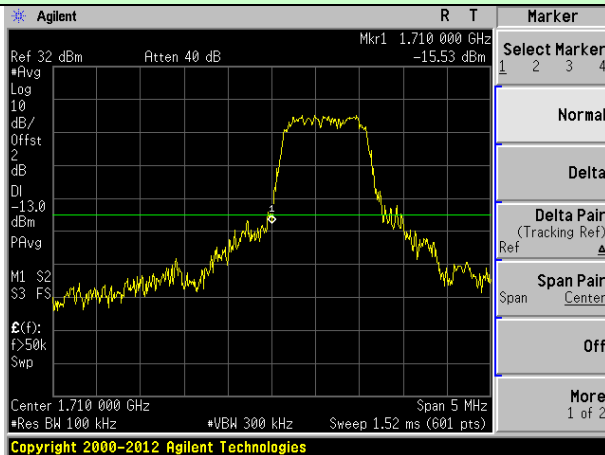
Lowest channel

1.4MHz Bandwidth (RB size:3# RB offset:2#)



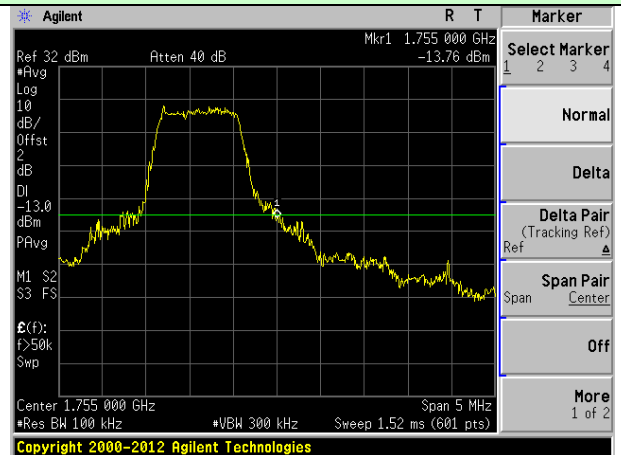
Highest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



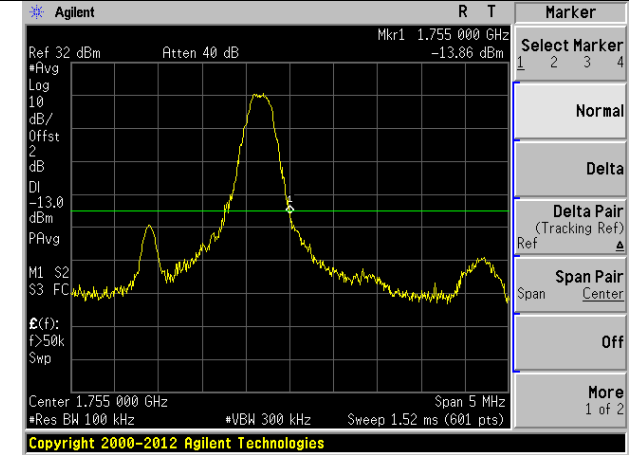
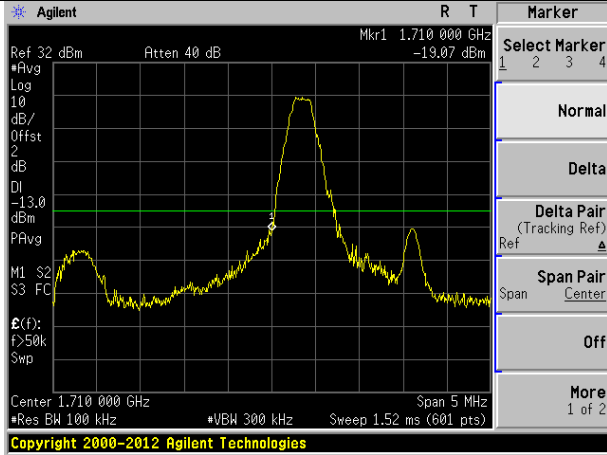
Lowest channel

1.4MHz Bandwidth (RB size:6# RB offset:0#)



Highest channel

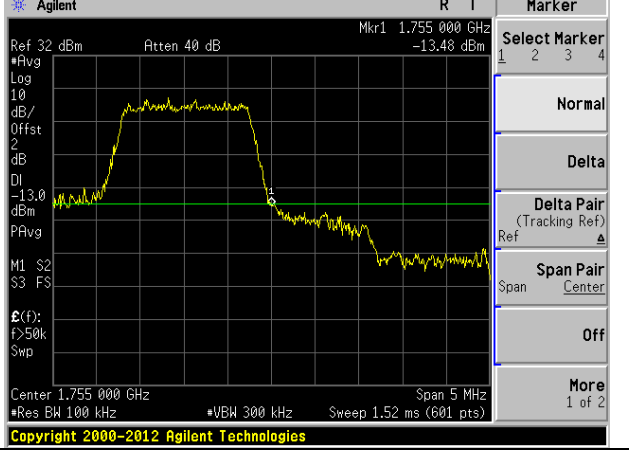
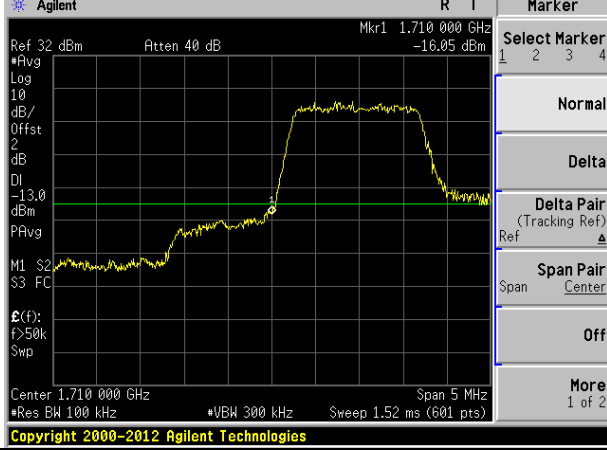
3MHz Bandwidth (RB size:1# RB offset:0#) 3MHz Bandwidth (RB size:1# RB offset:14#)



Lowest channel

Highest channel

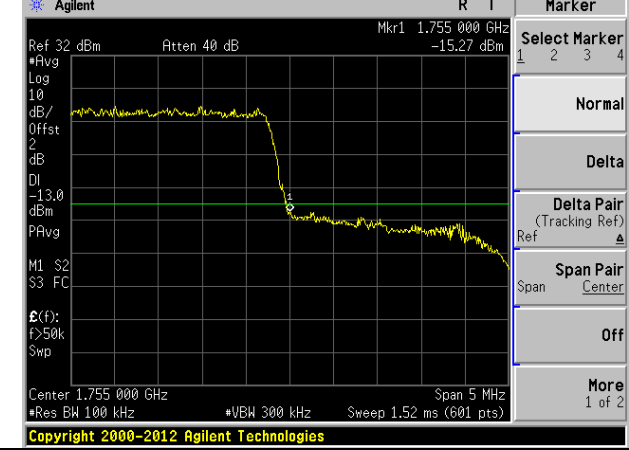
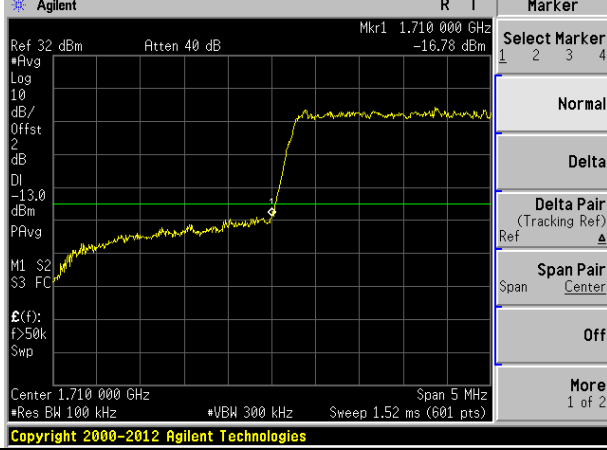
3MHz Bandwidth (RB size:8# RB offset:0#) 3MHz Bandwidth (RB size:8# RB offset:7#)



Lowest channel

Highest channel

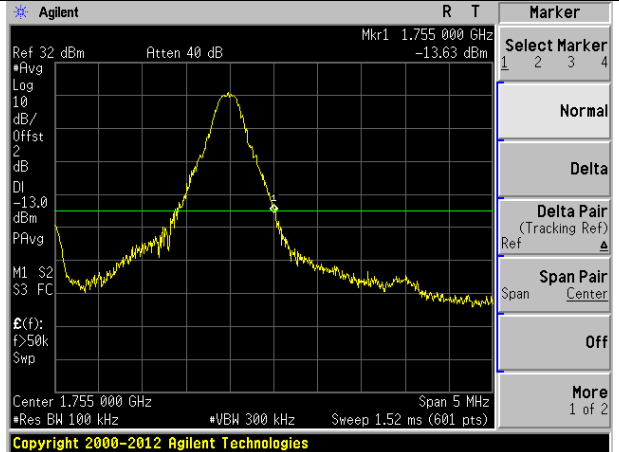
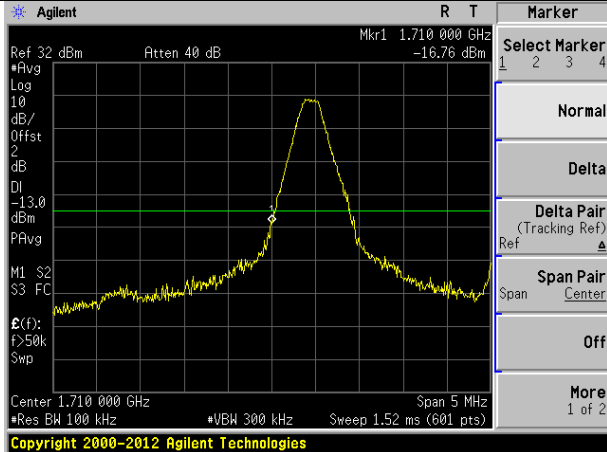
3MHz Bandwidth (RB size:15# RB offset:0#) 3MHz Bandwidth (RB size:15# RB offset:0#)



Lowest channel

Highest channel

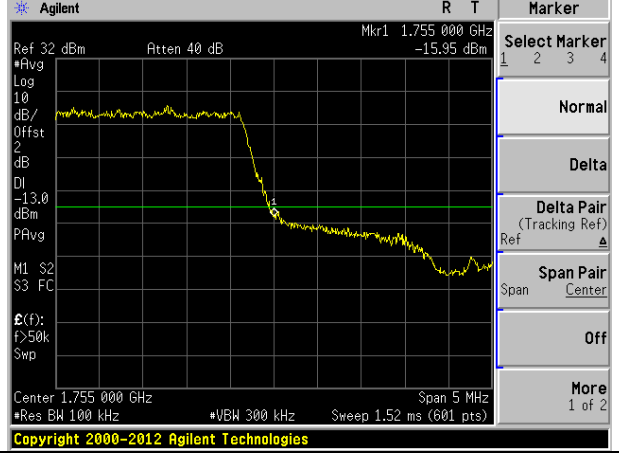
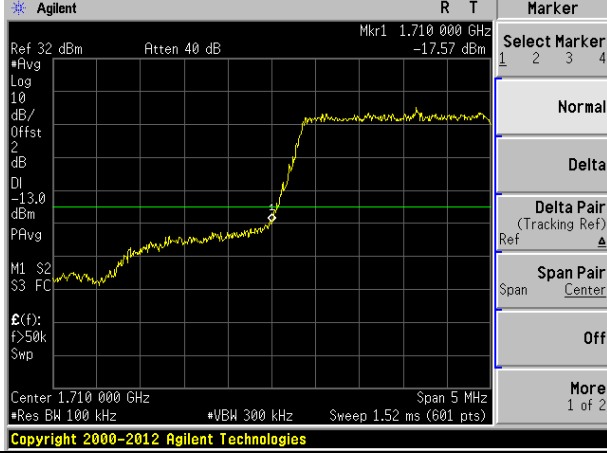
5MHz Bandwidth (RB size:1# RB offset:0#) 5MHz Bandwidth (RB size:1# RB offset:24#)



Lowest channel

Highest channel

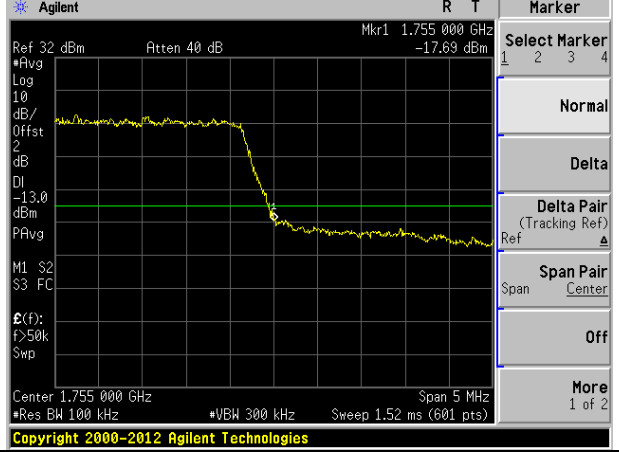
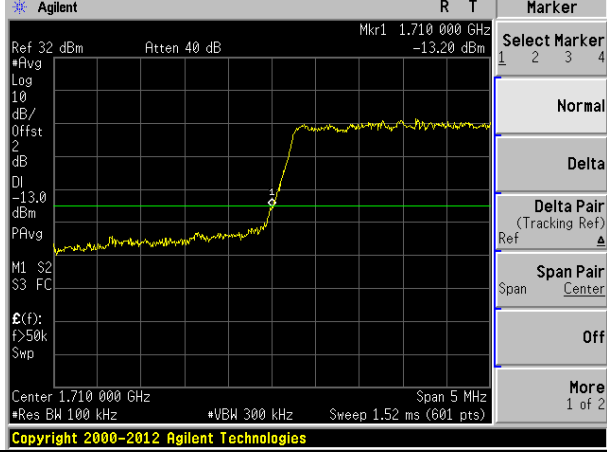
5MHz Bandwidth (RB size:12# RB offset:0#) 5MHz Bandwidth (RB size:12# RB offset:13#)



Lowest channel

Highest channel

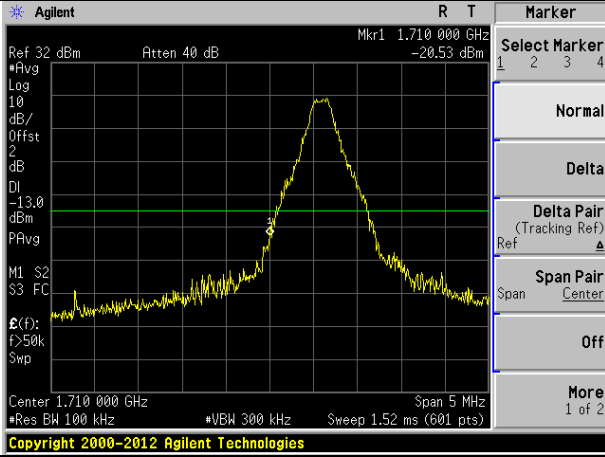
5MHz Bandwidth (RB size:25# RB offset:0#) 5MHz Bandwidth (RB size:25# RB offset:0#)



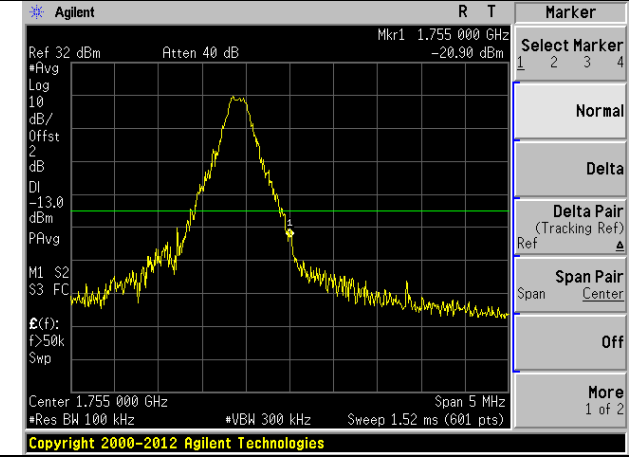
Lowest channel

Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#) 10MHz Bandwidth (RB size:1# RB offset:49#)

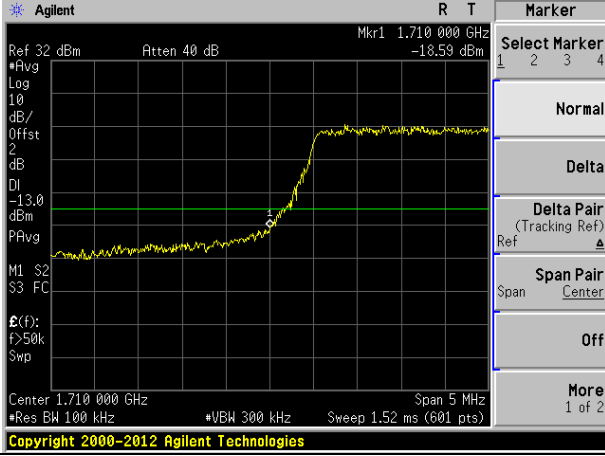


Lowest channel

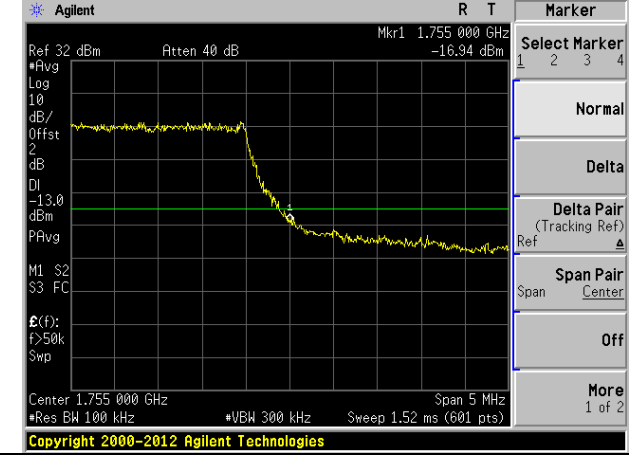


Highest channel

10MHz Bandwidth (RB size:25# RB offset:0#) 10MHz Bandwidth (RB size:25# RB offset:25#)

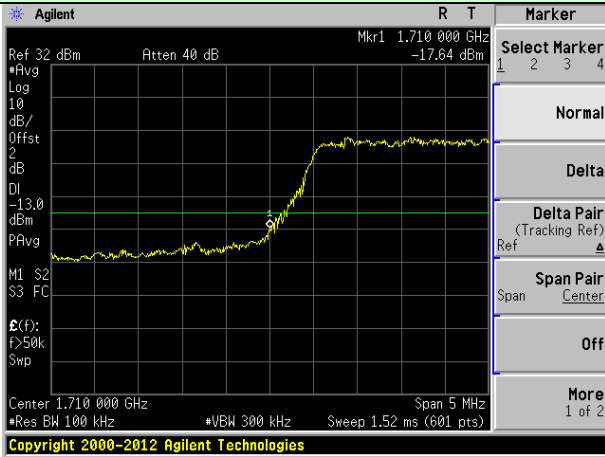


Lowest channel

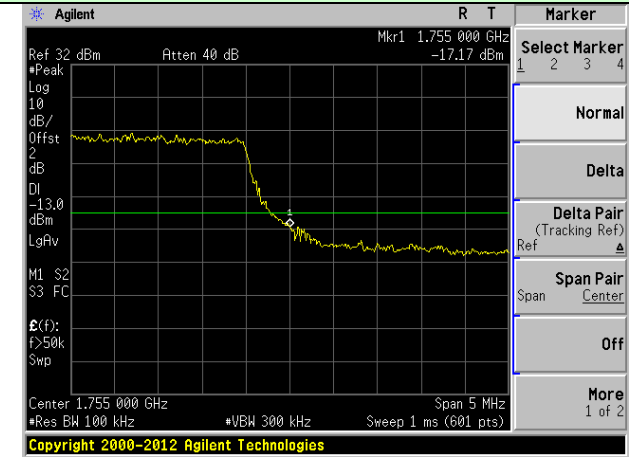


Highest channel

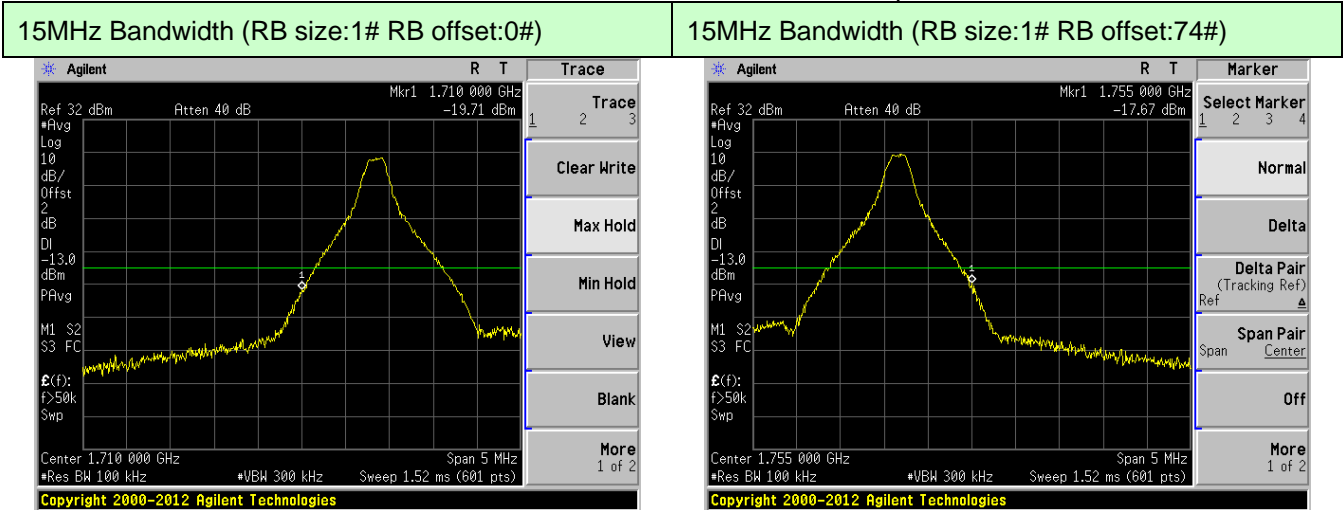
10MHz Bandwidth (RB size:50# RB offset:0#) 10MHz Bandwidth (RB size:50# RB offset:0#)



Lowest channel

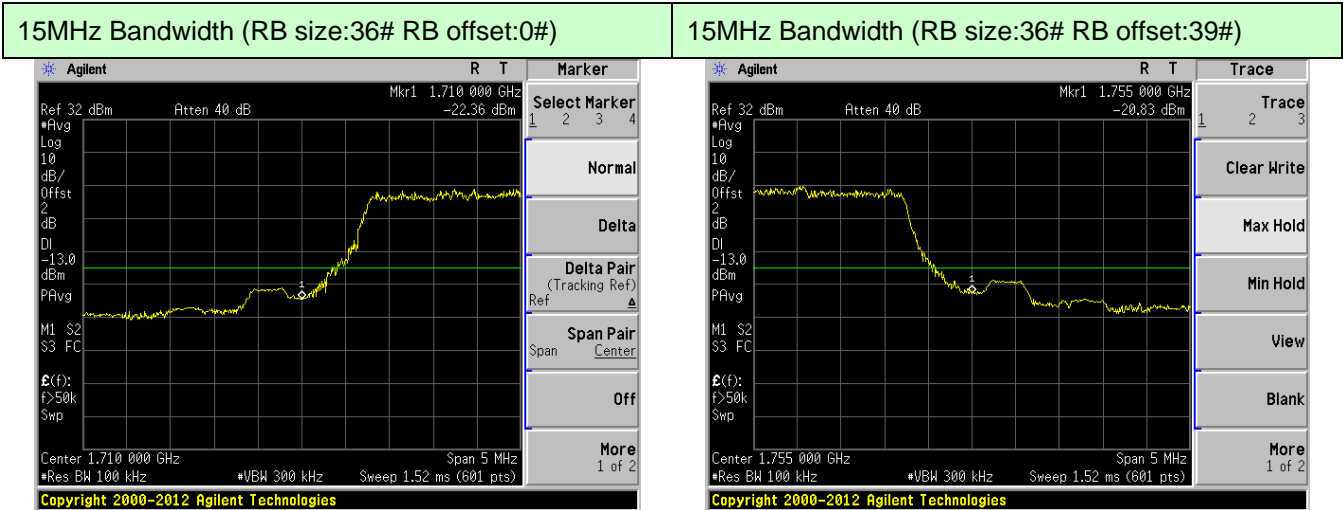


Highest channel



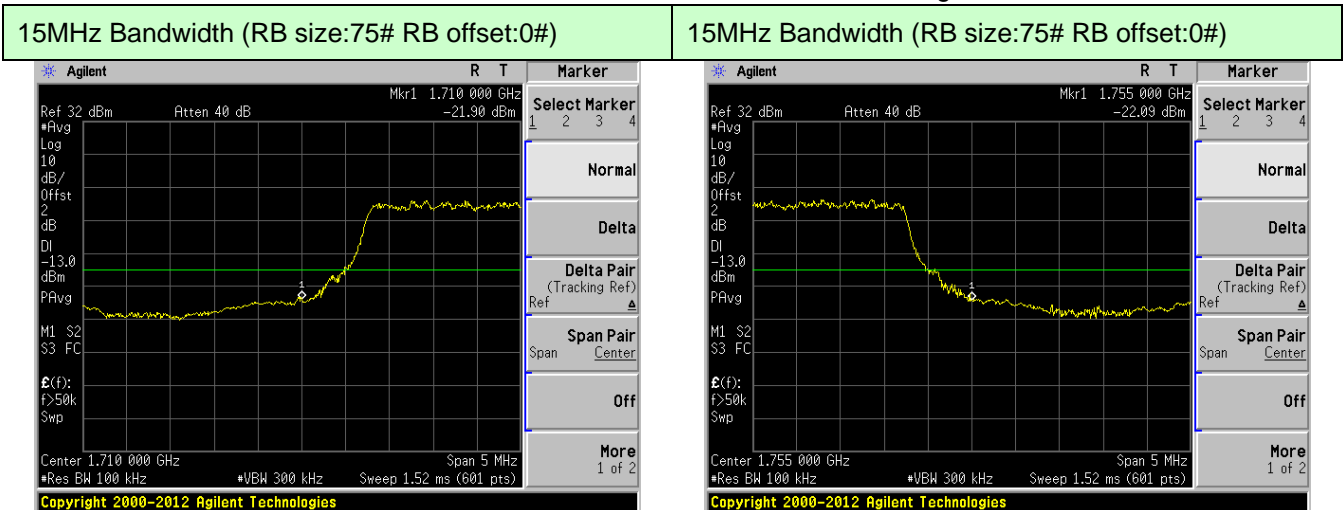
Lowest channel

Highest channel



Lowest channel

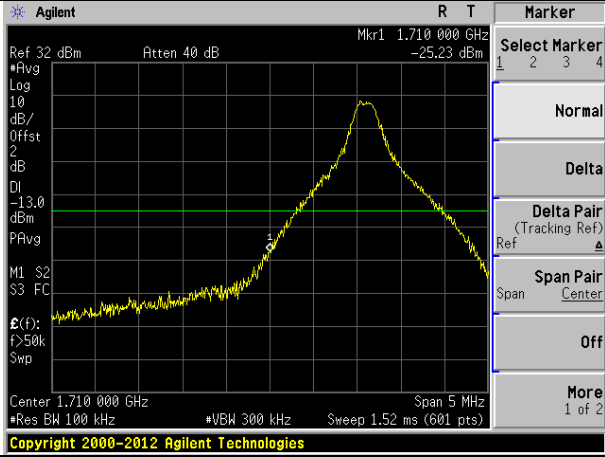
Highest channel



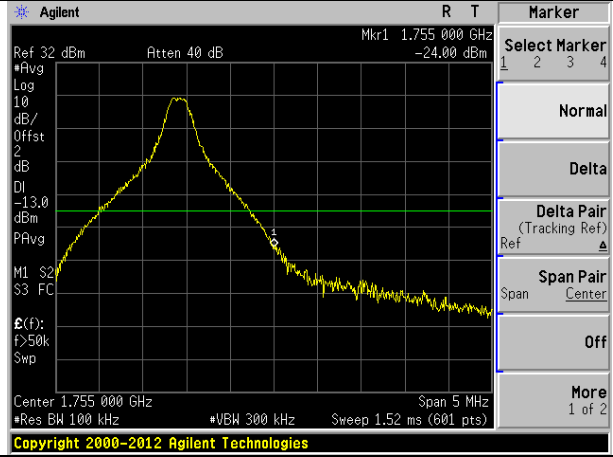
Lowest channel

Highest channel

20MHz Bandwidth (RB size:1# RB offset:0#) 20MHz Bandwidth (RB size:1# RB offset:99#)

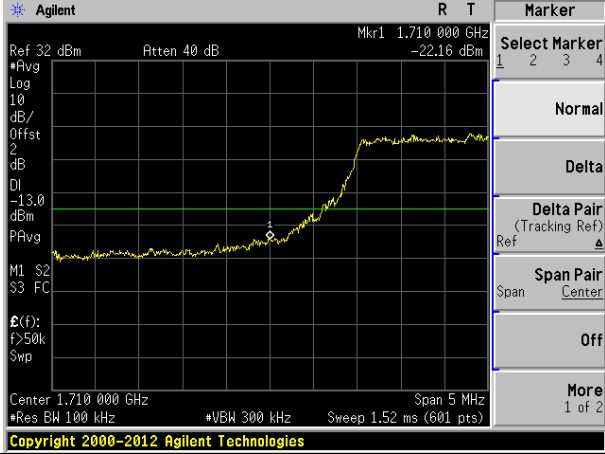


Lowest channel

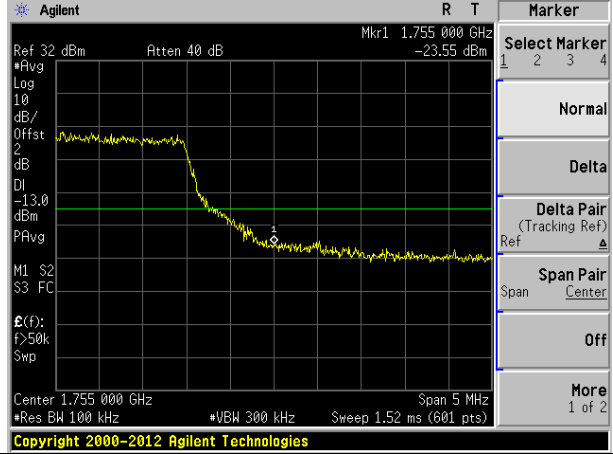


Highest channel

20MHz Bandwidth (RB size:50# RB offset:0#) 20MHz Bandwidth (RB size:50# RB offset:50#)

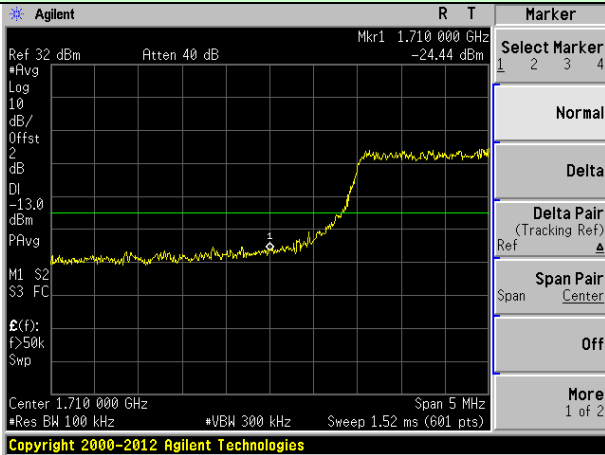


Lowest channel



Highest channel

20MHz Bandwidth (RB size:100# RB offset:0#) 20MHz Bandwidth (RB size:100# RB offset:0#)



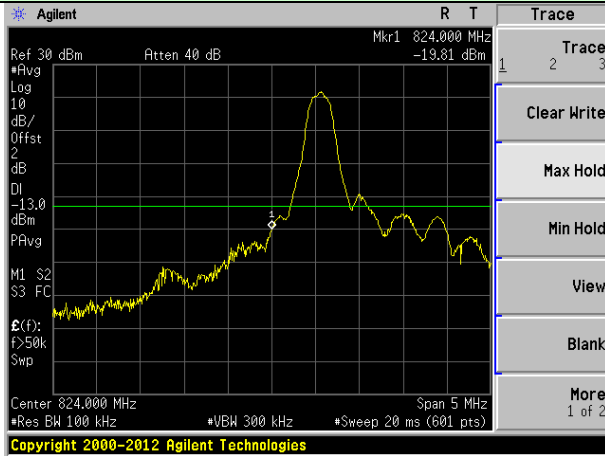
Lowest channel



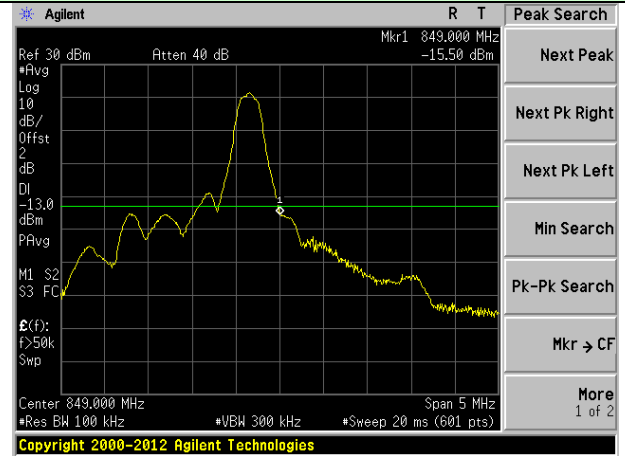
Highest channel

LTE Band 5 (16QAM mode):

1.4MHz Bandwidth (RB size:1# RB offset:0#) 1.4MHz Bandwidth (RB size:1# RB offset:24#)

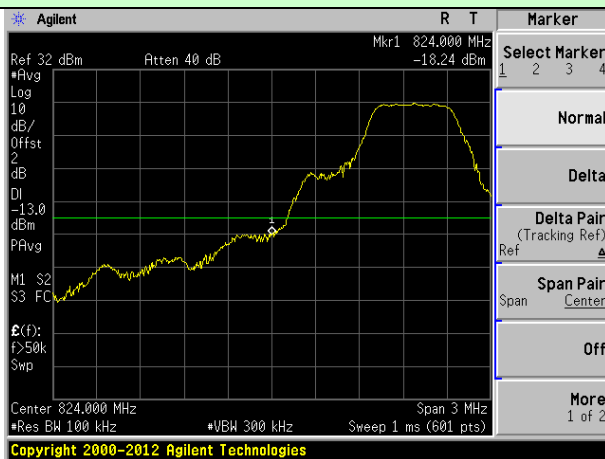


Lowest channel

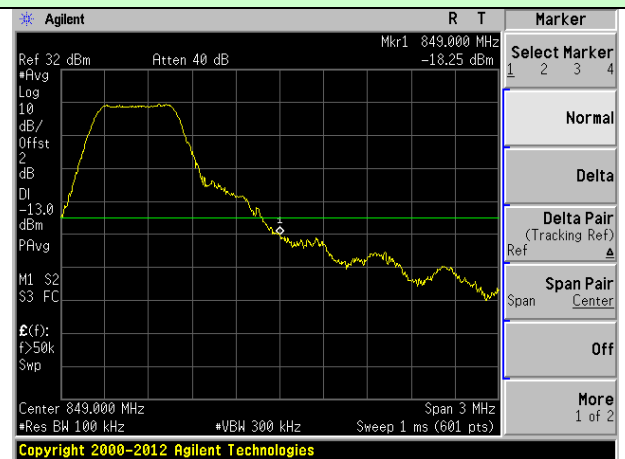


Highest channel

1.4MHz Bandwidth (RB size:12# RB offset:0#) 1.4MHz Bandwidth (RB size:12# RB offset:13#)

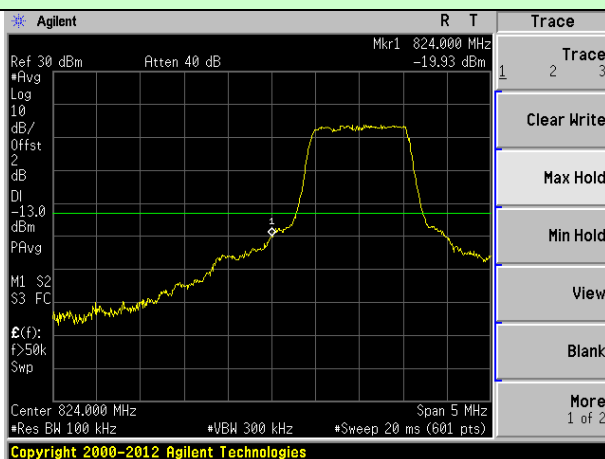


Lowest channel

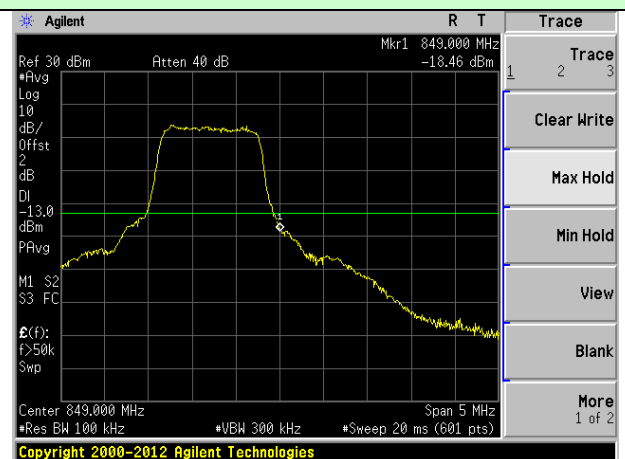


Highest channel

1.4MHz Bandwidth (RB size:25# RB offset:0#) 1.4MHz Bandwidth (RB size:25# RB offset:0#)

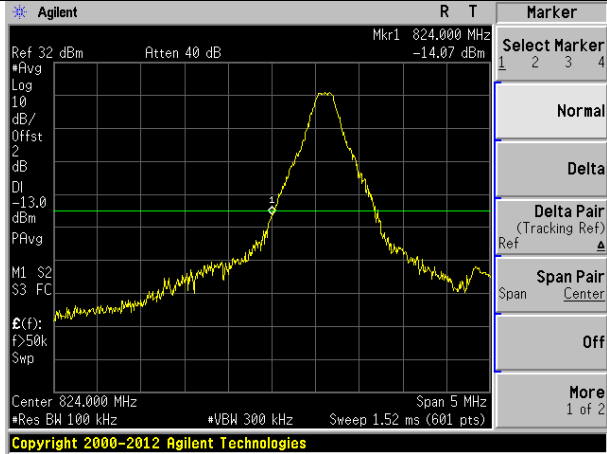


Lowest channel

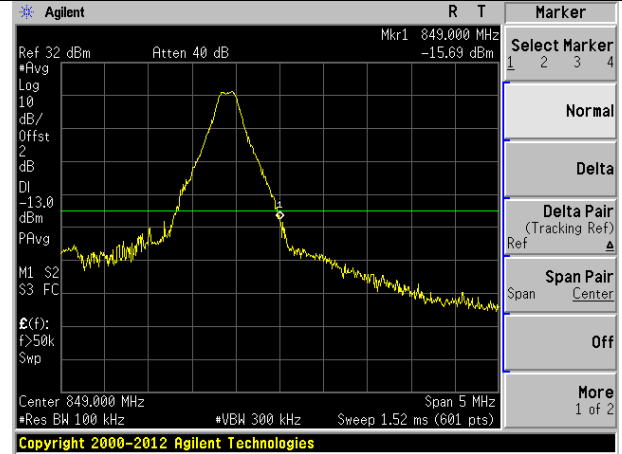


Highest channel

3MHz Bandwidth (RB size:1# RB offset:0#) **3MHz Bandwidth (RB size:1# RB offset:49#)**

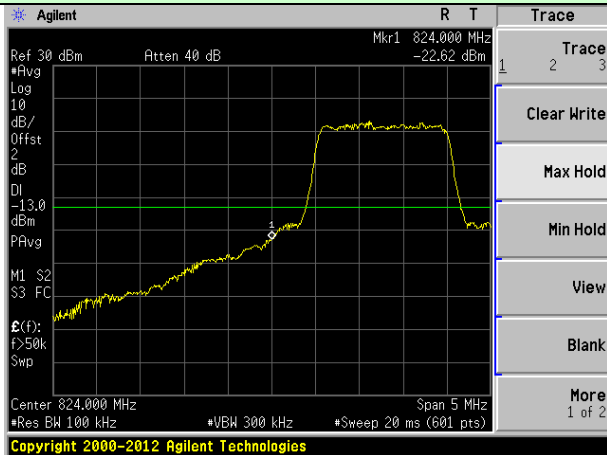


Lowest channel

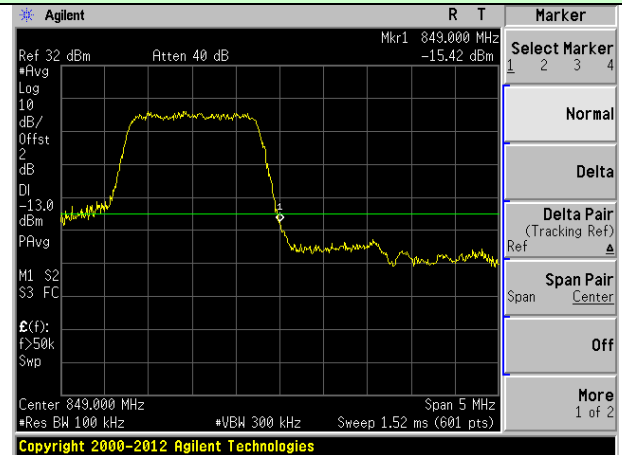


Highest channel

3MHz Bandwidth (RB size:25# RB offset:0#) **3MHz Bandwidth (RB size:25# RB offset:25#)**

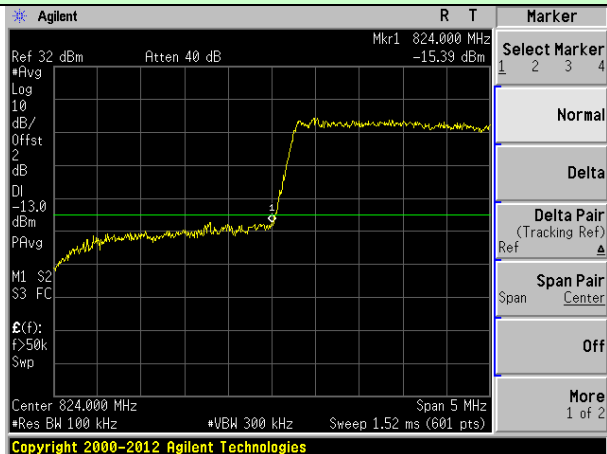


Lowest channel

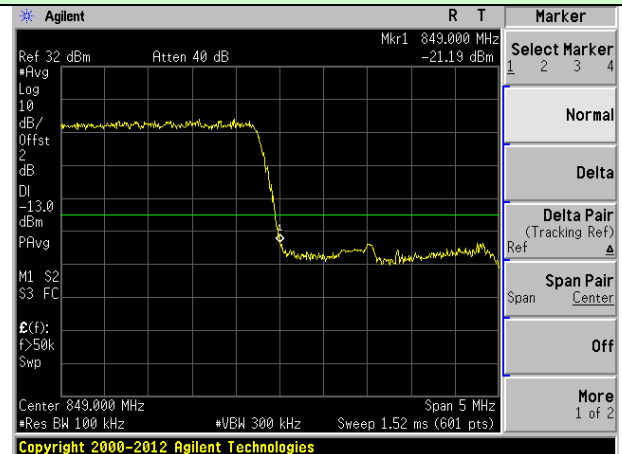


Highest channel

3MHz Bandwidth (RB size:50# RB offset:0#) **3MHz Bandwidth (RB size:50# RB offset:0#)**

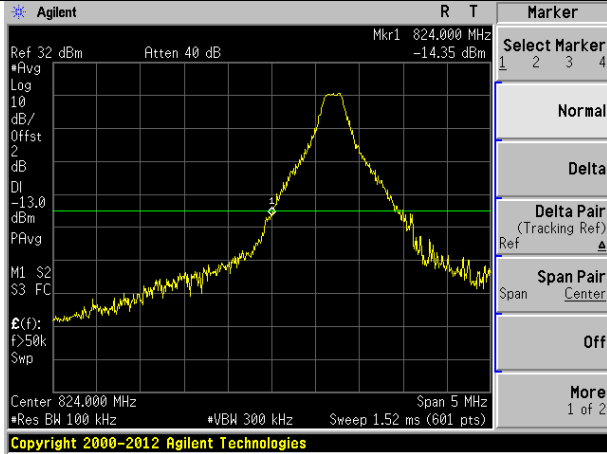


Lowest channel

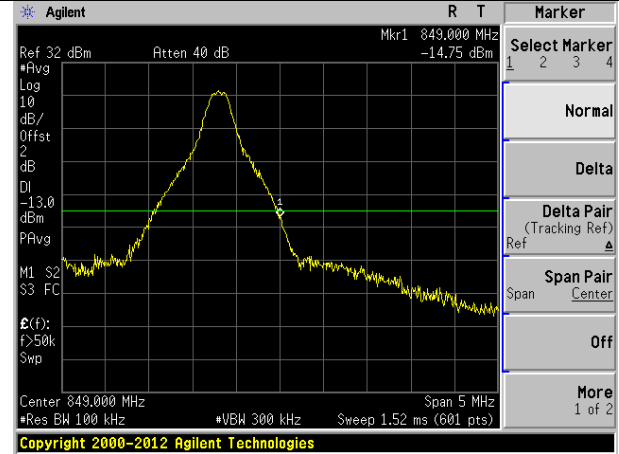


Highest channel

5MHz Bandwidth (RB size:1# RB offset:0#) 5MHz Bandwidth (RB size:1# RB offset:74#)

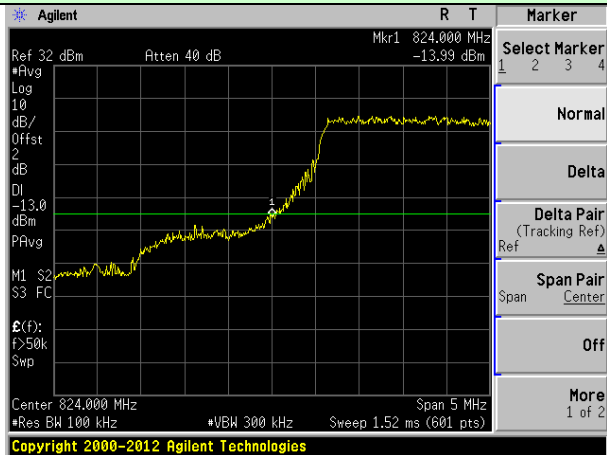


Lowest channel

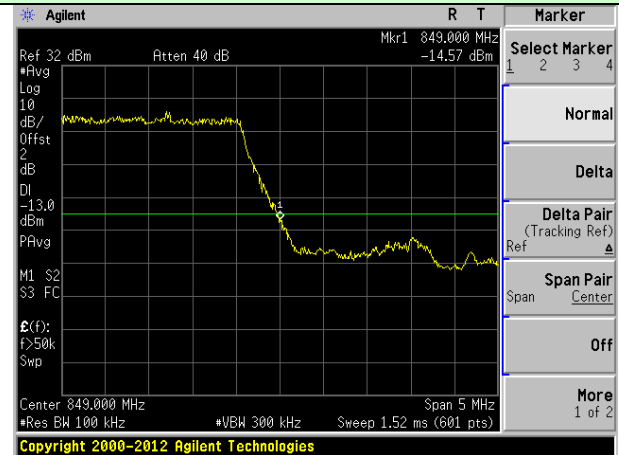


Highest channel

5MHz Bandwidth (RB size:36# RB offset:0#) 5MHz Bandwidth (RB size:36# RB offset:39#)

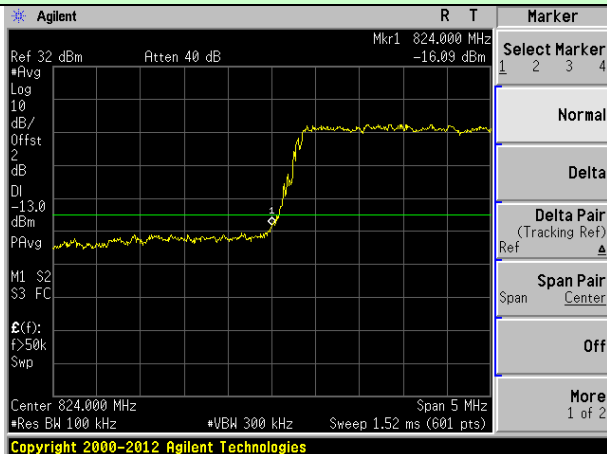


Lowest channel

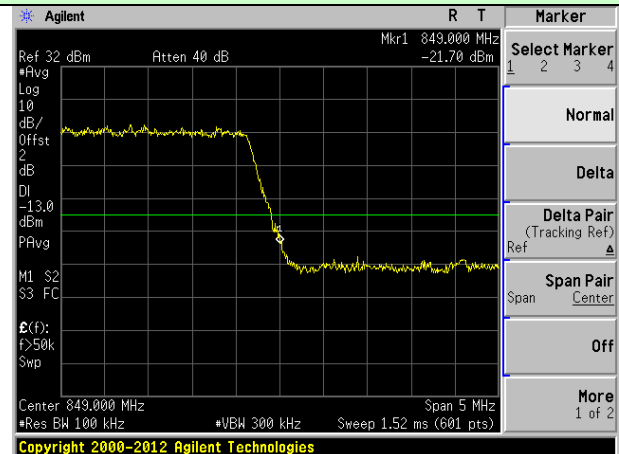


Highest channel

5MHz Bandwidth (RB size:75# RB offset:0#) 5MHz Bandwidth (RB size:75# RB offset:0#)

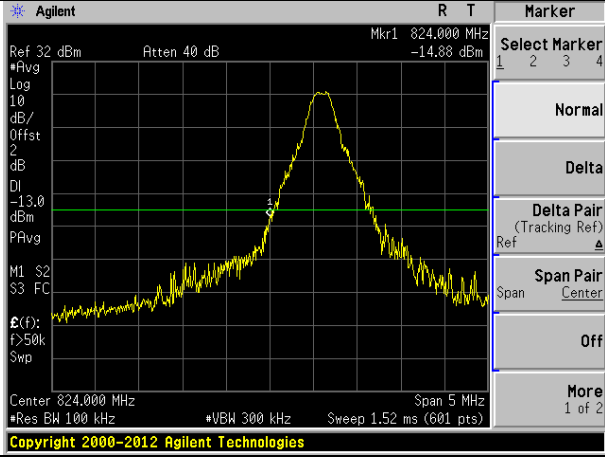


Lowest channel

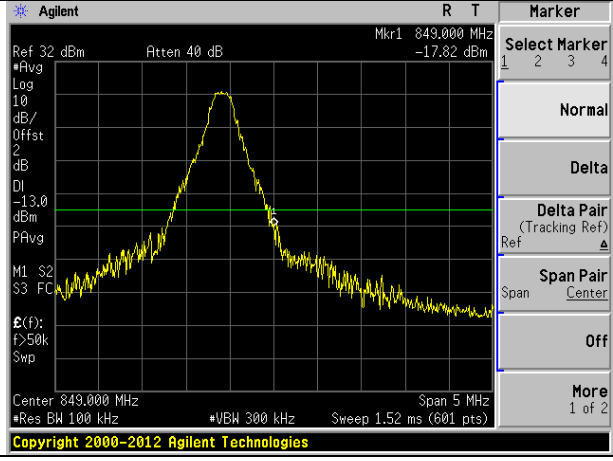


Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#) 10MHz Bandwidth (RB size:1# RB offset:99#)

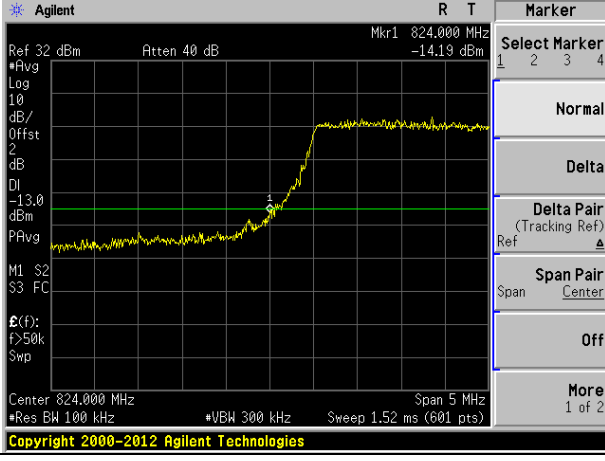


Lowest channel

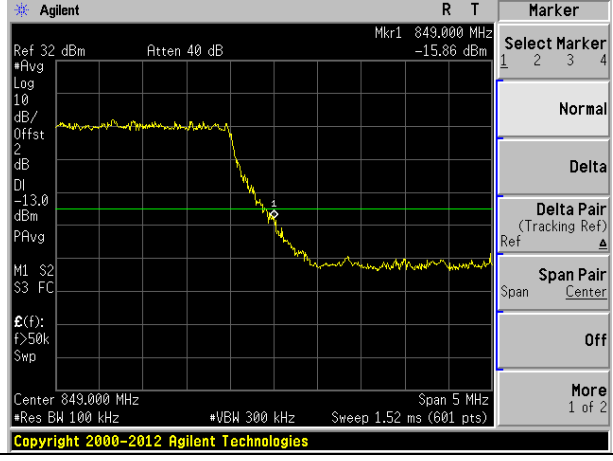


Highest channel

10MHz Bandwidth (RB size:50# RB offset:0#) 10MHz Bandwidth (RB size:50# RB offset:50#)

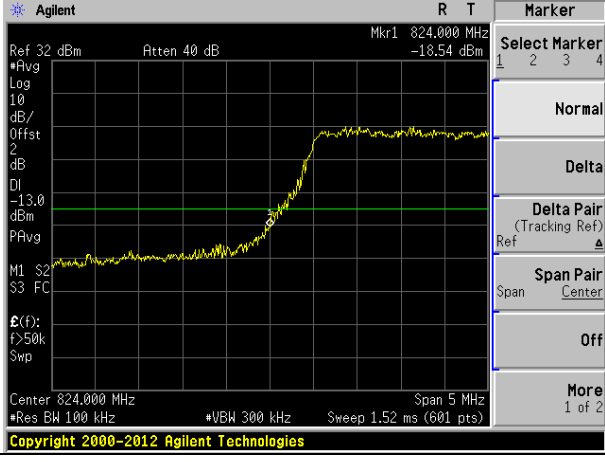


Lowest channel

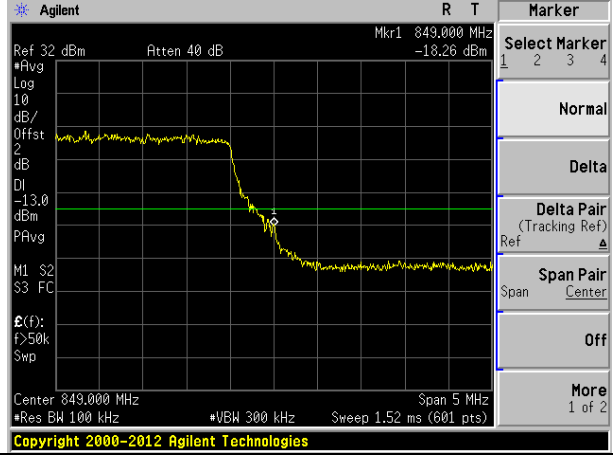


Highest channel

10MHz Bandwidth (RB size:100# RB offset:0#) 10MHz Bandwidth (RB size:100# RB offset:0#)



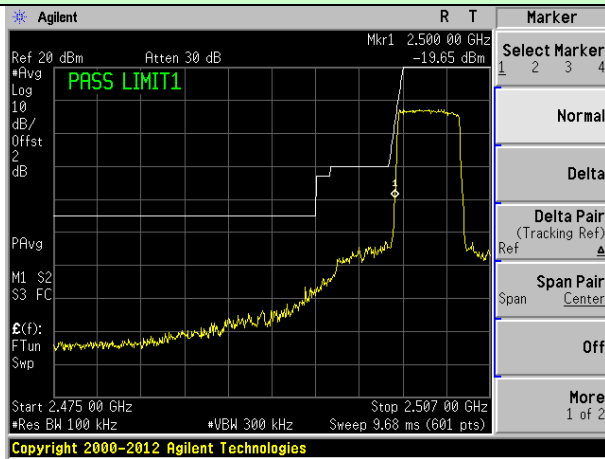
Lowest channel



Highest channel

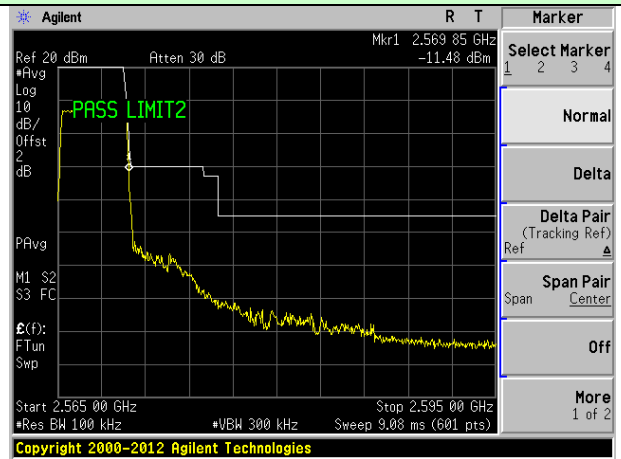
LTE Band 7 (16QAM mode):

5MHz Bandwidth (RB size:1# RB offset:0#)



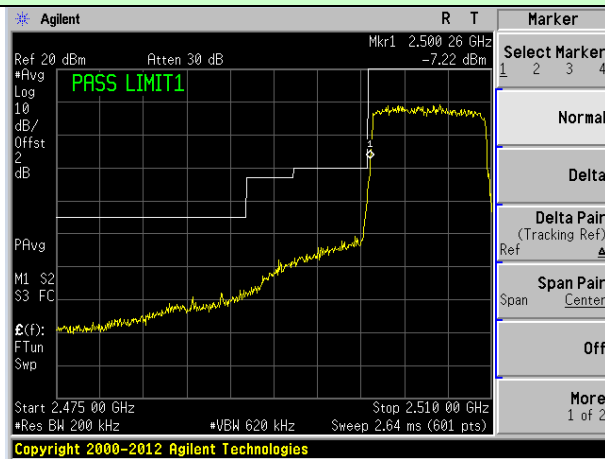
Lowest channel

5MHz Bandwidth (RB size:1# RB offset:24#)



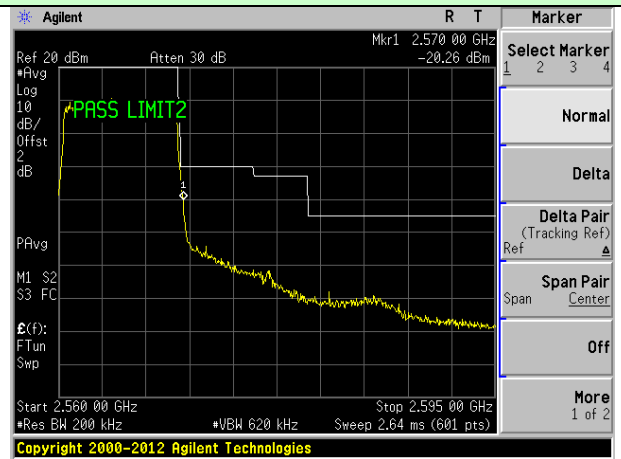
Highest channel

10MHz Bandwidth (RB size:1# RB offset:0#)



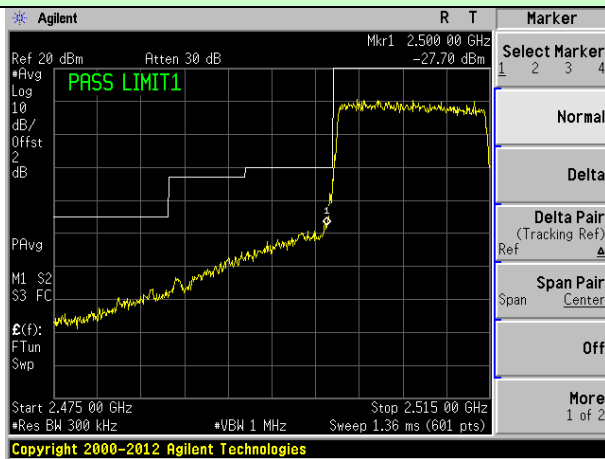
Lowest channel

10MHz Bandwidth (RB size:1# RB offset:49#)



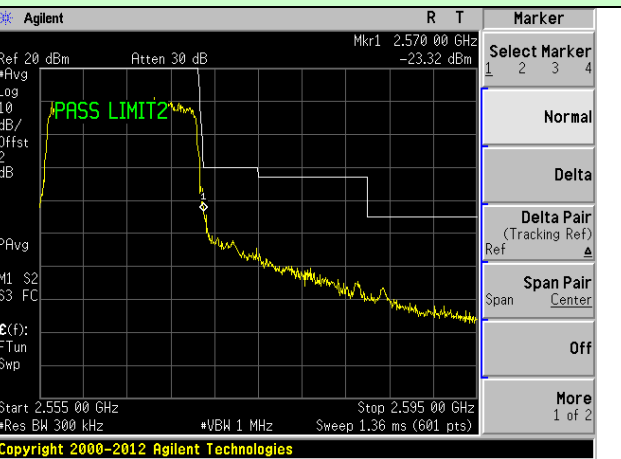
Highest channel

15MHz Bandwidth (RB size:1# RB offset:0#)

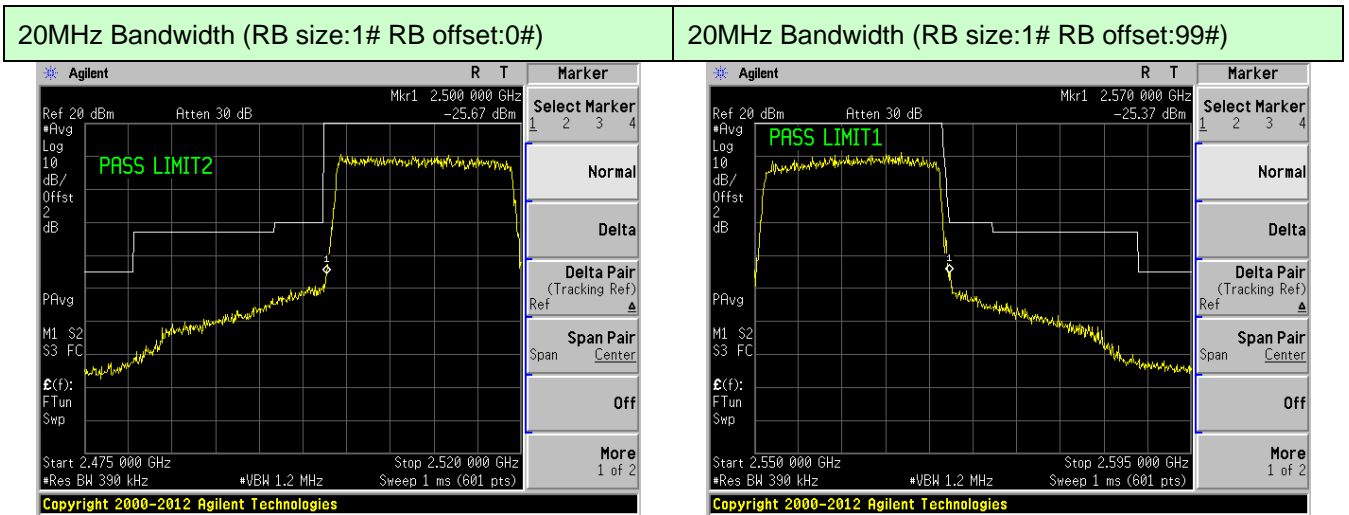


Lowest channel

15MHz Bandwidth (RB size:1# RB offset:74#)



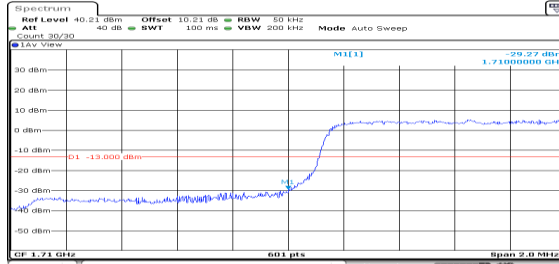
Highest channel



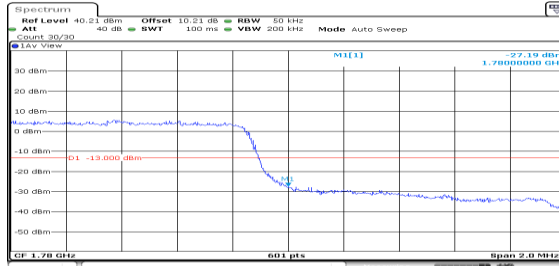
Lowest channel

Highest channel

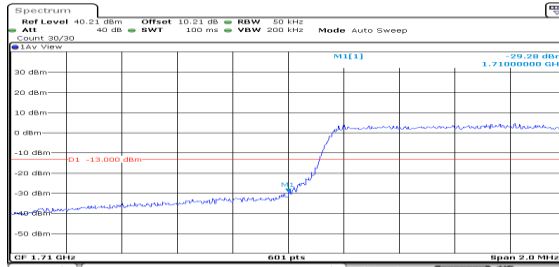
Band66_1.4MHz_QPSK_131979_6RB#0



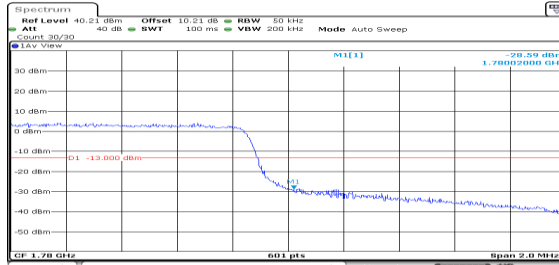
Band66_1.4MHz_QPSK_132665_6RB#0



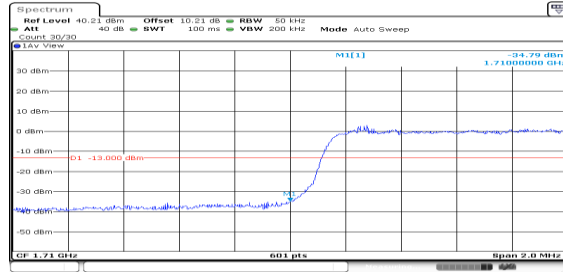
Band66_1.4MHz_16QAM_131979_6RB#0



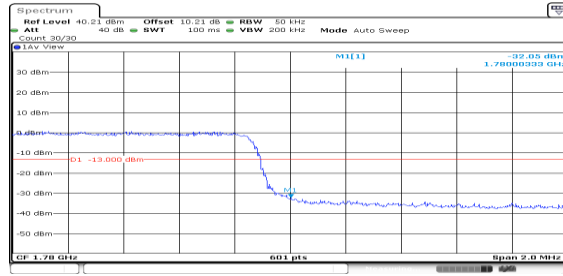
Band66_1.4MHz_16QAM_132665_6RB#0



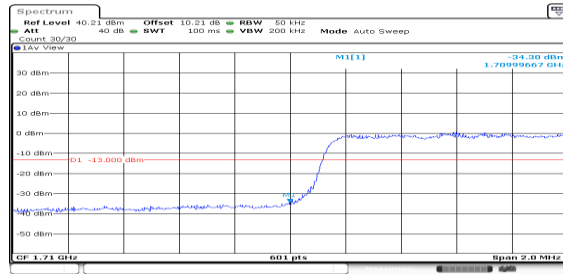
Band66_3MHz_QPSK_131987_15RB#0



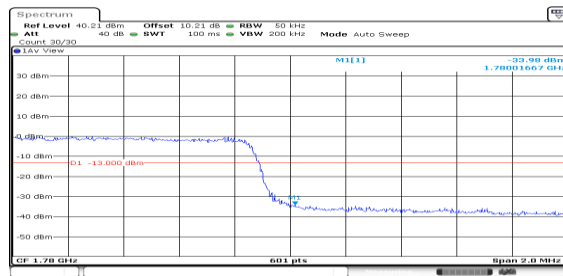
Band66_3MHz_QPSK_132657_15RB#0



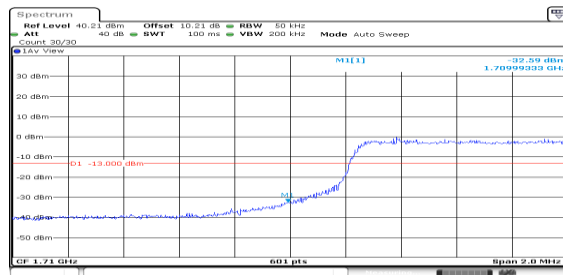
Band66_3MHz_16QAM_131987_15RB#0



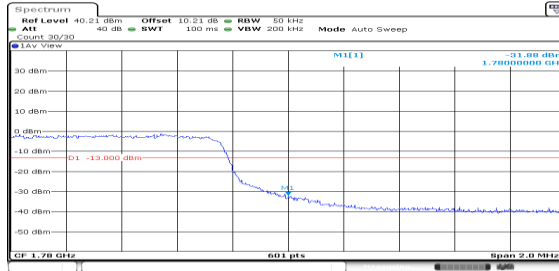
Band66_3MHz_16QAM_132657_15RB#0



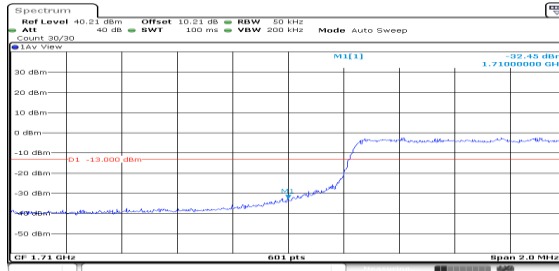
Band66_5MHz_QPSK_131997_25RB#0



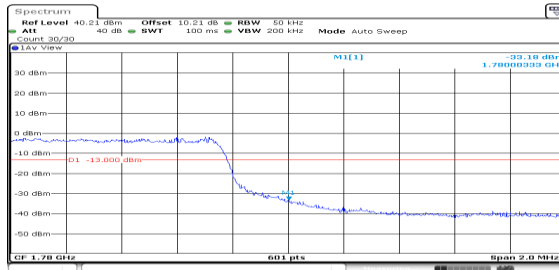
Band66_5MHz_QPSK_132647_25RB#0



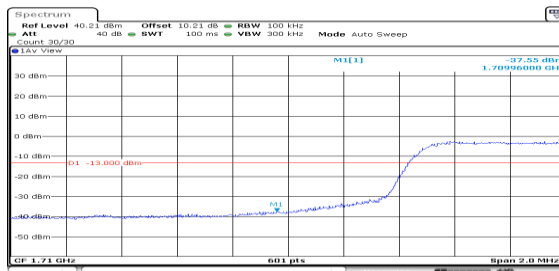
Band66_5MHz_16QAM_131997_25RB#0



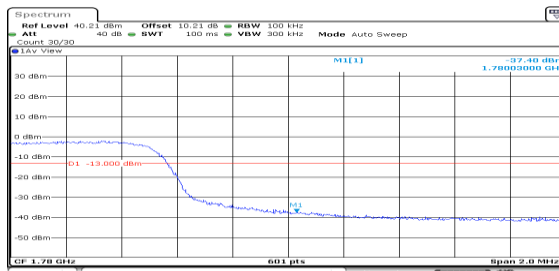
Band66_5MHz_16QAM_132647_25RB#0



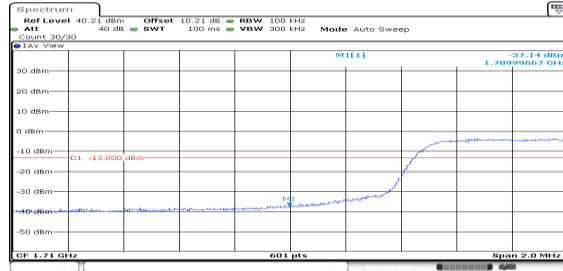
Band66_10MHz_QPSK_132022_50RB#0



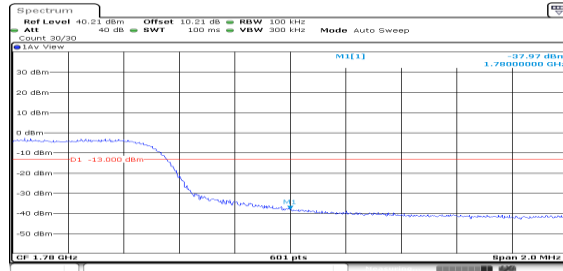
Band66_10MHz_QPSK_132622_50RB#0



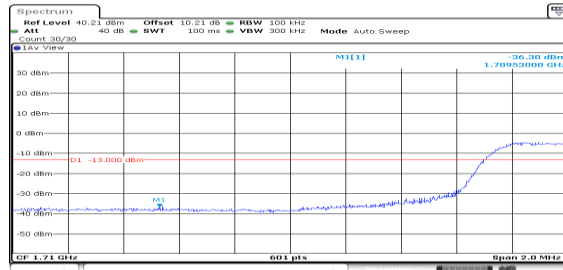
Band66_10MHz_16QAM_132022_50RB#0



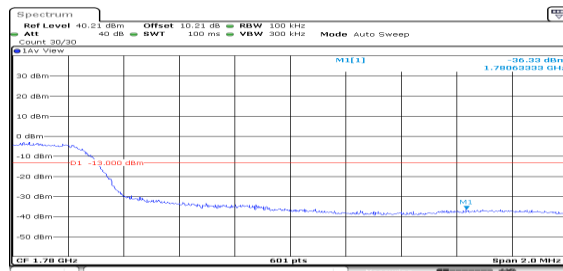
Band66_10MHz_16QAM_132622_50RB#0



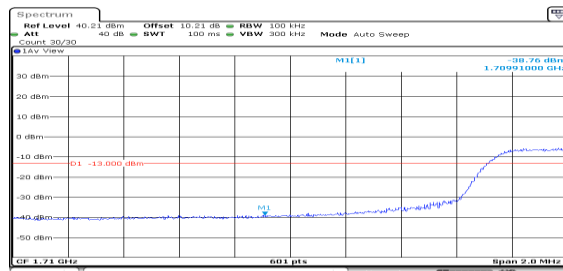
Band66_15MHz_QPSK_132047_75RB#0



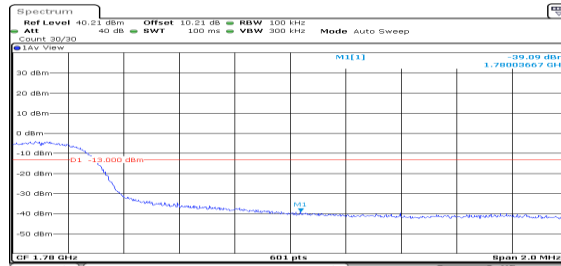
Band66_15MHz_QPSK_132597_75RB#0



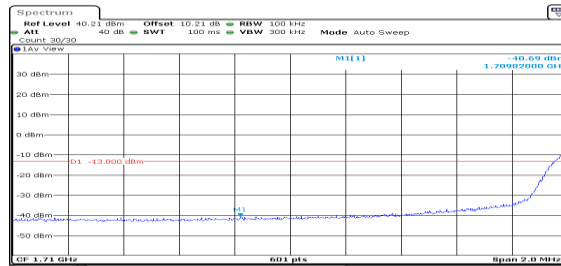
Band66_15MHz_16QAM_132047_75RB#0



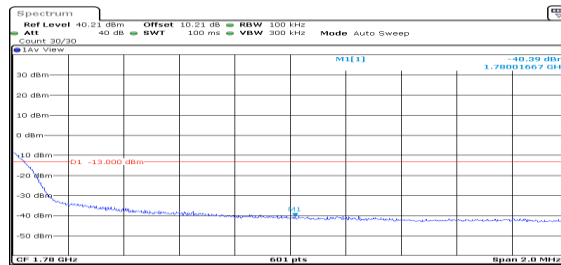
Band66_15MHz_16QAM_132597_75RB#0



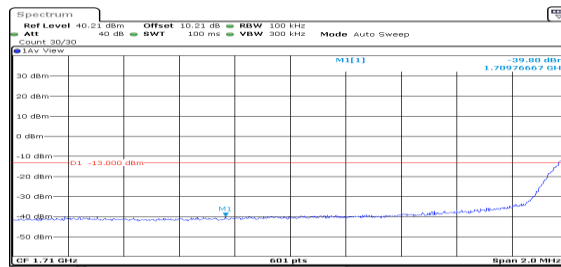
Band66_20MHz_QPSK_132072_100RB#0



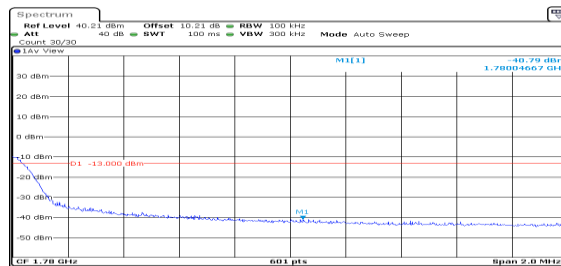
Band66_20MHz_QPSK_132572_100RB#0



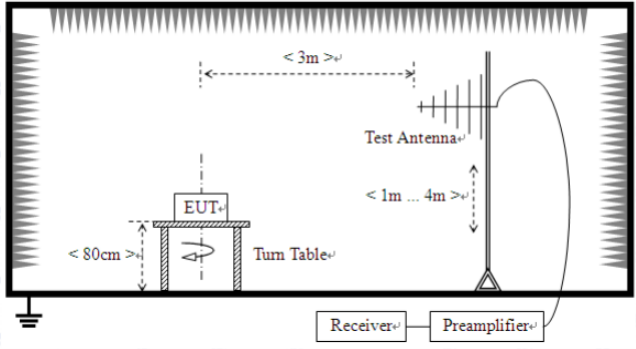
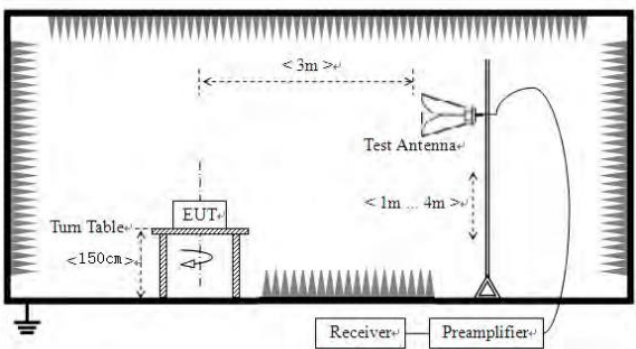
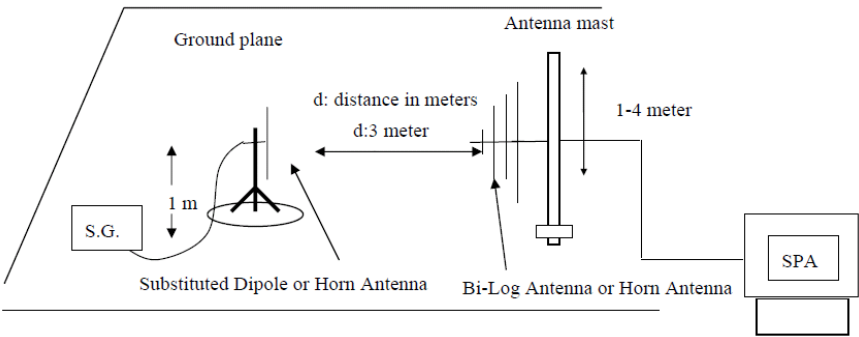
Band66_20MHz_16QAM_132072_100RB#0



Band66_20MHz_16QAM_132572_100RB#0



7.8 ERP, EIRP Measurement

Test Requirement:	FCC part 22.913(a), Part 24.238 (a); Part 27.50(c)(10)/(d)(4)
Test Method:	FCC part 2.1046 and ANSI C63.26:2015
Limit:	LTE Band 4: 1W (EIRP) LTE Band 5: 7W (ERP) LTE Band 7: 2W (EIRP) LTE Band 66: 1W (EIRP)
Test setup:	<p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p> 

<p>Test Procedure:</p>	<ol style="list-style-type: none"> 1. The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated. 3. ERP in frequency band 777–787MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated asfollows: $\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBd)} - \text{Cable Loss (dB)}$ 4. EIRP in frequency band 1710–1755MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows: $\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$
<p>Test Instruments:</p>	<p>Refer to section 6.0 for details</p>
<p>Test mode:</p>	<p>Refer to section 7.1 for details</p>
<p>Test results:</p>	<p>Pass</p>

Measurement Data

Modulation Mode: QPSK Mode

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (1.4MHz)	Lowest	H	V	22.29	30.00	Pass
			H	20.21		
		E1	V	21.89		
			H	19.47		
		E2	V	21.04		
			H	18.17		
	Middle	H	V	22.16	30.00	Pass
			H	19.40		
		E1	V	21.60		
			H	19.10		
		E2	V	21.50		
			H	18.34		
Highest	H	V	21.91	30.00	Pass	
		H	19.59			
	E1	V	21.62			
		H	19.26			
	E2	V	21.46			
		H	18.85			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (3MHz)	Lowest	H	V	22.45	30.00	Pass
			H	20.39		
		E1	V	22.10		
			H	19.69		
		E2	V	21.28		
			H	18.44		
	Middle	H	V	22.40	30.00	Pass
			H	19.68		
		E1	V	21.91		
			H	19.43		
		E2	V	21.77		
			H	18.64		
Highest	H	V	22.14	30.00	Pass	
		H	19.84			
	E1	V	21.89			
		H	19.55			
	E2	V	21.66			
		H	19.07			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (5MHz)	Lowest	H	V	22.57	30.00	Pass
			H	20.53		
		E1	V	22.25		
			H	19.86		
		E2	V	21.47		
			H	18.64		
	Middle	H	V	22.58	30.00	Pass
			H	19.89		
		E1	V	22.14		
			H	19.68		
		E2	V	21.98		
			H	18.86		
	Highest	H	V	22.32	30.00	Pass
			H	20.03		
		E1	V	22.10		
			H	19.78		
		E2	V	21.81		
			H	19.23		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (10MHz)	Lowest	H	V	22.66	30.00	Pass
			H	20.64		
		E1	V	22.37		
			H	19.99		
		E2	V	21.61		
			H	18.79		
	Middle	H	V	22.71	30.00	Pass
			H	20.05		
		E1	V	22.32		
			H	19.87		
		E2	V	22.14		
			H	19.04		
	Highest	H	V	22.45	30.00	Pass
			H	20.17		
		E1	V	22.25		
			H	19.95		
		E2	V	21.93		
			H	19.36		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (15MHz)	Lowest	H	V	22.74	30.00	Pass
			H	20.72		
		E1	V	22.46		
			H	20.09		
		E2	V	21.72		
			H	18.91		
	Middle	H	V	22.81	30.00	Pass
			H	20.18		
		E1	V	22.45		
			H	20.01		
		E2	V	22.27		
			H	19.17		
	Highest	H	V	22.55	30.00	Pass
			H	20.28		
		E1	V	22.37		
H			20.07			
E2		V	22.01			
		H	19.46			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (20MHz)	Lowest	H	V	22.79	30.00	Pass
			H	20.78		
		E1	V	22.53		
			H	20.16		
		E2	V	21.80		
			H	19.00		
	Middle	H	V	22.89	30.00	Pass
			H	20.27		
		E1	V	22.55		
			H	20.12		
		E2	V	22.36		
			H	19.27		
	Highest	H	V	22.63	30.00	Pass
			H	20.37		
		E1	V	22.46		
H			20.17			
E2		V	22.08			
		H	19.53			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 4 (1.4MHz)	Lowest	H	V	22.68	30.00	Pass
			H	20.69		
		E1	V	22.52		
			H	20.16		
		E2	V	21.80		
			H	18.99		
	Middle	H	V	22.89	30.00	Pass
			H	20.27		
		E1	V	22.55		
			H	20.12		
		E2	V	22.35		
			H	19.26		
Highest	H	V	22.62	30.00	Pass	
		H	20.36			
	E1	V	22.46			
		H	20.17			
	E2	V	22.08			
		H	19.52			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 4 (3MHz)	Lowest	H	V	22.54	30.00	Pass
			H	20.50		
		E1	V	22.21		
			H	19.82		
		E2	V	21.42		
			H	18.59		
	Middle	H	V	22.53	30.00	Pass
			H	19.84		
		E1	V	22.08		
			H	19.62		
		E2	V	21.93		
			H	18.81		
Highest	H	V	22.27	30.00	Pass	
		H	19.98			
	E1	V	22.05			
		H	19.72			
	E2	V	21.78			
		H	19.19			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 4 (5MHz)	Lowest	H	V	22.36	30.00	Pass
			H	20.29		
		E1	V	21.98		
			H	19.56		
		E2	V	21.15		
			H	18.29		
	Middle	H	V	22.27	30.00	Pass
			H	19.52		
		E1	V	21.73		
			H	19.25		
		E2	V	21.62		
			H	18.47		
	Highest	H	V	22.01	30.00	Pass
			H	19.70		
		E1	V	21.74		
H			19.39			
E2		V	21.55			
		H	18.94			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 4 (10MHz)	Lowest	H	V	22.08	30.00	Pass
			H	19.98		
		E1	V	21.63		
			H	19.18		
		E2	V	20.72		
			H	17.83		
	Middle	H	V	21.86	30.00	Pass
			H	19.04		
		E1	V	21.20		
			H	18.68		
		E2	V	21.14		
			H	17.96		
	Highest	H	V	21.62	30.00	Pass
			H	19.27		
		E1	V	21.27		
H			18.89			
E2		V	21.21			
		H	18.57			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 4 (15MHz)	Lowest	H	V	21.99	30.00	Pass
			H	19.87		
		E1	V	21.52		
			H	19.05		
		E2	V	20.58		
			H	17.68		
	Middle	H	V	21.73	30.00	Pass
			H	18.87		
		E1	V	21.03		
			H	18.49		
		E2	V	20.99		
			H	17.79		
Highest	H	V	21.49	30.00	Pass	
		H	19.12			
	E1	V	21.12			
		H	18.72			
	E2	V	21.10			
		H	18.44			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Band 4 (20MHz)	Lowest	H	V	22.74	30.00	Pass
			H	20.70		
		E1	V	22.59		
			H	20.16		
		E2	V	21.92		
			H	19.12		
	Middle	H	V	23.01	30.00	Pass
			H	20.46		
		E1	V	22.76		
			H	20.34		
		E2	V	22.50		
			H	19.41		
Highest	H	V	22.75	30.00	Pass	
		H	20.53			
	E1	V	22.64			
		H	20.34			
	E2	V	22.17			
		H	19.63			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 5 (1.4MHz)	Lowest	H	V	22.47	38.50	Pass
			H	20.41		
		E1	V	22.24		
			H	19.90		
		E2	V	21.50		
			H	18.67		
	Middle	H	V	22.61	38.50	Pass
			H	19.93		
		E1	V	22.13		
			H	19.72		
		E2	V	22.05		
			H	18.94		
Highest	H	V	22.37	38.50	Pass	
		H	20.08			
	E1	V	22.17			
		H	19.77			
	E2	V	21.76			
		H	19.23			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 5 (3MHz)	Lowest	H	V	22.67	38.50	Pass
			H	20.57		
		E1	V	22.47		
			H	20.07		
		E2	V	21.73		
			H	18.93		
	Middle	H	V	22.85	38.50	Pass
			H	20.20		
		E1	V	22.46		
			H	20.05		
		E2	V	22.30		
			H	19.19		
Highest	H	V	22.57	38.50	Pass	
		H	20.32			
	E1	V	22.40			
		H	20.08			
	E2	V	22.00			
		H	19.46			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 5 (5MHz)	Lowest	H	V	22.72	38.50	Pass
			H	20.68		
		E1	V	22.46		
			H	20.15		
		E2	V	21.71		
			H	18.95		
	Middle	H	V	22.86	38.50	Pass
			H	20.07		
		E1	V	22.34		
			H	19.92		
		E2	V	22.27		
			H	19.15		
	Highest	H	V	22.55	38.50	Pass
			H	20.38		
		E1	V	22.37		
H			20.06			
E2		V	21.96			
		H	19.43			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 5 (10MHz)	Lowest	H	V	22.58	38.50	Pass
			H	20.20		
		E1	V	22.39		
			H	20.05		
		E2	V	21.62		
			H	18.81		
	Middle	H	V	22.82	38.50	Pass
			H	20.08		
		E1	V	22.33		
			H	19.89		
		E2	V	22.17		
			H	19.04		
	Highest	H	V	22.46	38.50	Pass
			H	20.30		
		E1	V	22.28		
H			19.96			
E2		V	21.92			
		H	19.36			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Band 7 (5MHz)	Lowest	H	V	22.79	33.00	Pass
			H	20.78		
		E1	V	22.53		
			H	20.16		
		E2	V	21.80		
			H	19.00		
	Middle	H	V	22.89	33.00	Pass
			H	20.27		
		E1	V	22.56		
			H	20.12		
		E2	V	22.36		
			H	19.27		
	Highest	H	V	22.63	33.00	Pass
			H	20.37		
		E1	V	22.46		
H			20.17			
E2		V	22.08			
		H	19.53			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Band 7 (10MHz)	Lowest	H	V	22.64	33.00	Pass
			H	20.61		
		E1	V	22.34		
			H	19.96		
		E2	V	21.58		
			H	18.76		
	Middle	H	V	22.68	33.00	Pass
			H	20.02		
		E1	V	22.28		
			H	19.83		
		E2	V	22.11		
			H	19.00		
	Highest	H	V	22.42	33.00	Pass
			H	20.14		
		E1	V	22.22		
H			19.91			
E2		V	21.90			
		H	19.33			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 7 (15MHz)	Lowest	H	V	22.72	33.00	Pass
			H	20.70		
		E1	V	22.44		
			H	20.07		
		E2	V	21.70		
			H	18.89		
	Middle	H	V	22.80	33.00	Pass
			H	20.16		
		E1	V	22.43		
			H	19.99		
		E2	V	22.25		
			H	19.15		
	Highest	H	V	22.54	33.00	Pass
			H	20.26		
		E1	V	22.35		
H			20.05			
E2		V	22.00			
		H	19.44			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 7 (20MHz)	Lowest	H	V	22.77	33.00	Pass
			H	20.76		
		E1	V	22.50		
			H	20.14		
		E2	V	21.77		
			H	18.97		
	Middle	H	V	22.87	33.00	Pass
			H	20.24		
		E1	V	22.52		
			H	20.09		
		E2	V	22.33		
			H	19.23		
	Highest	H	V	22.60	33.00	Pass
			H	20.34		
		E1	V	22.43		
H			20.14			
E2		V	22.06			
		H	19.51			

Modulation Mode: 16QAM Mode

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (1.4MHz)	Lowest	H	V	22.01	30.00	Pass
			H	19.95		
		E1	V	21.62		
			H	19.22		
		E2	V	20.75		
			H	17.93		
	Middle	H	V	21.87	30.00	Pass
			H	19.15		
		E1	V	21.32		
			H	18.85		
		E2	V	21.22		
			H	18.10		
	Highest	H	V	21.63	30.00	Pass
			H	19.34		
		E1	V	21.34		
H			19.01			
E2		V	21.18			
		H	18.60			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (3MHz)	Lowest	H	V	22.34	30.00	Pass
			H	20.29		
		E1	V	21.99		
			H	19.59		
		E2	V	21.17		
			H	18.35		
	Middle	H	V	22.29	30.00	Pass
			H	19.58		
		E1	V	21.80		
			H	19.33		
		E2	V	21.66		
			H	18.55		
	Highest	H	V	22.03	30.00	Pass
			H	19.74		
		E1	V	21.78		
H			19.45			
E2		V	21.55			
		H	18.97			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (5MHz)	Lowest	H	V	22.37	30.00	Pass
			H	20.35		
		E1	V	22.05		
			H	19.68		
		E2	V	21.28		
			H	18.47		
	Middle	H	V	22.38	30.00	Pass
			H	19.71		
		E1	V	21.94		
			H	19.50		
		E2	V	21.78		
			H	18.69		
	Highest	H	V	22.12	30.00	Pass
			H	19.85		
		E1	V	21.90		
H			19.60			
E2		V	21.61			
		H	19.06			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (10MHz)	Lowest	H	V	22.59	30.00	Pass
			H	20.58		
		E1	V	22.30		
			H	19.93		
		E2	V	21.55		
			H	18.73		
	Middle	H	V	22.64	30.00	Pass
			H	19.99		
		E1	V	22.25		
			H	19.81		
		E2	V	22.07		
			H	18.98		
	Highest	H	V	22.38	30.00	Pass
			H	20.11		
		E1	V	22.18		
H			19.89			
E2		V	21.86			
		H	19.30			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (15MHz)	Lowest	H	V	22.49	30.00	Pass
			H	20.49		
		E1	V	22.21		
			H	19.87		
		E2	V	21.48		
			H	18.70		
	Middle	H	V	22.56	30.00	Pass
			H	19.96		
		E1	V	22.20		
			H	19.79		
		E2	V	22.03		
			H	18.96		
	Highest	H	V	22.30	30.00	Pass
			H	20.06		
		E1	V	22.12		
			H	19.85		
		E2	V	21.77		
			H	19.25		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 66 (20MHz)	Lowest	H	V	22.49	30.00	Pass
			H	20.51		
		E1	V	22.24		
			H	19.90		
		E2	V	21.52		
			H	18.75		
	Middle	H	V	22.59	30.00	Pass
			H	20.01		
		E1	V	22.26		
			H	19.86		
		E2	V	22.07		
			H	19.02		
	Highest	H	V	22.34	30.00	Pass
			H	20.11		
		E1	V	22.17		
			H	19.91		
		E2	V	21.79		
			H	19.28		

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 4 (1.4MHz)	Lowest	H	V	22.25	30.00	Pass
			H	20.30		
		E1	V	22.09		
			H	19.78		
		E2	V	21.39		
			H	18.63		
	Middle	H	V	22.46	30.00	Pass
			H	19.88		
		E1	V	22.12		
			H	19.74		
		E2	V	21.93		
			H	18.89		
Highest	H	V	22.19	30.00	Pass	
		H	19.97			
	E1	V	22.03			
		H	19.79			
	E2	V	21.66			
		H	19.15			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 4 (3MHz)	Lowest	H	V	22.25	30.00	Pass
			H	20.23		
		E1	V	21.92		
			H	19.56		
		E2	V	21.14		
			H	18.35		
	Middle	H	V	22.24	30.00	Pass
			H	19.58		
		E1	V	21.79		
			H	19.36		
		E2	V	21.64		
			H	18.57		
Highest	H	V	21.98	30.00	Pass	
		H	19.72			
	E1	V	21.76			
		H	19.46			
	E2	V	21.50			
		H	18.94			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 4 (5MHz)	Lowest	H	V	22.20	30.00	Pass
			H	20.15		
		E1	V	21.83		
			H	19.42		
		E2	V	21.00		
			H	18.16		
	Middle	H	V	22.11	30.00	Pass
			H	19.38		
		E1	V	21.58		
			H	19.12		
		E2	V	21.47		
			H	18.34		
	Highest	H	V	21.86	30.00	Pass
			H	19.56		
		E1	V	21.59		
H			19.25			
E2		V	21.40			
		H	18.81			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 4 (10MHz)	Lowest	H	V	21.97	30.00	Pass
			H	19.88		
		E1	V	21.52		
			H	19.08		
		E2	V	20.62		
			H	17.74		
	Middle	H	V	21.75	30.00	Pass
			H	18.94		
		E1	V	21.09		
			H	18.59		
		E2	V	21.03		
			H	17.87		
	Highest	H	V	21.51	30.00	Pass
			H	19.17		
		E1	V	21.16		
H			18.80			
E2		V	21.10			
		H	18.48			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 4 (15MHz)	Lowest	H	V	22.72	30.00	Pass
			H	20.72		
		E1	V	22.46		
			H	20.10		
		E2	V	21.73		
			H	18.94		
	Middle	H	V	22.82	30.00	Pass
			H	20.21		
		E1	V	22.49		
			H	20.06		
		E2	V	22.29		
			H	19.21		
	Highest	H	V	22.56	30.00	Pass
			H	20.31		
		E1	V	22.39		
H			20.11			
E2		V	22.01			
		H	19.47			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Band 4 (20MHz)	Lowest	H	V	22.51	30.00	Pass
			H	20.50		
		E1	V	22.37		
			H	19.96		
		E2	V	21.70		
			H	18.93		
	Middle	H	V	22.78	30.00	Pass
			H	20.26		
		E1	V	22.53		
			H	20.14		
		E2	V	22.28		
			H	19.21		
	Highest	H	V	22.52	30.00	Pass
			H	20.33		
		E1	V	22.41		
H			20.14			
E2		V	21.95			
		H	19.43			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 5 (1.4MHz)	Lowest	H	V	22.27	38.50	Pass
			H	20.23		
		E1	V	22.04		
			H	19.72		
		E2	V	21.31		
			H	18.50		
	Middle	H	V	22.41	38.50	Pass
			H	19.75		
		E1	V	21.93		
			H	19.54		
		E2	V	21.85		
			H	18.77		
	Highest	H	V	22.17	38.50	Pass
			H	19.90		
		E1	V	21.97		
H			19.59			
E2		V	21.56			
		H	19.06			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 5 (3MHz)	Lowest	H	V	22.51	38.50	Pass
			H	20.43		
		E1	V	22.31		
			H	19.93		
		E2	V	21.58		
			H	18.80		
	Middle	H	V	22.69	38.50	Pass
			H	20.06		
		E1	V	22.30		
			H	19.91		
		E2	V	22.14		
			H	19.06		
	Highest	H	V	22.41	38.50	Pass
			H	20.18		
		E1	V	22.24		
H			19.94			
E2		V	21.85			
		H	19.32			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 5 (5MHz)	Lowest	H	V	22.58	38.50	Pass
			H	20.56		
		E1	V	22.33		
			H	20.03		
		E2	V	21.58		
			H	18.84		
	Middle	H	V	22.72	38.50	Pass
			H	19.95		
		E1	V	22.21		
			H	19.80		
		E2	V	22.14		
			H	19.04		
	Highest	H	V	22.41	38.50	Pass
			H	20.26		
		E1	V	22.24		
H			19.94			
E2		V	21.83			
		H	19.31			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP (dBm)	Limit (dBm)	Result
Band 5 (10MHz)	Lowest	H	V	22.49	38.50	Pass
			H	20.12		
		E1	V	22.30		
			H	19.97		
		E2	V	21.53		
			H	18.73		
	Middle	H	V	22.73	38.50	Pass
			H	20.00		
		E1	V	22.24		
			H	19.81		
		E2	V	22.08		
			H	18.96		
	Highest	H	V	22.37	38.50	Pass
			H	20.22		
		E1	V	22.19		
H			19.88			
E2		V	21.83			
		H	19.28			

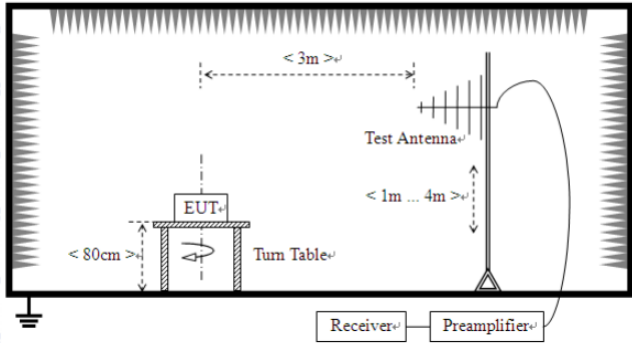
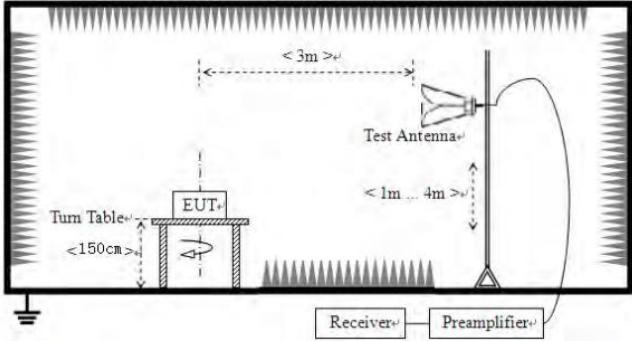
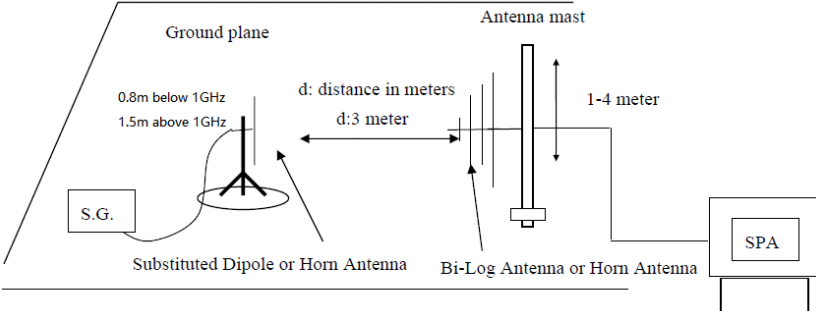
EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Band 7 (5MHz)	Lowest	H	V	22.65	33.00	Pass
			H	20.66		
		E1	V	22.39		
			H	20.04		
		E2	V	21.67		
			H	18.89		
	Middle	H	V	22.75	33.00	Pass
			H	20.15		
		E1	V	22.42		
			H	20.00		
		E2	V	22.23		
			H	19.15		
	Highest	H	V	22.49	33.00	Pass
			H	20.25		
		E1	V	22.33		
H			20.05			
E2		V	21.95			
		H	19.41			

EUT mode	Channel	EUT Pol.	Antenna Pol.	EIRP(dBm)	Limit (dBm)	Result
Band 7 (10MHz)	Lowest	H	V	22.57	33.00	Pass
			H	20.55		
		E1	V	22.27		
			H	19.90		
		E2	V	21.52		
			H	18.70		
	Middle	H	V	22.61	33.00	Pass
			H	19.96		
		E1	V	22.21		
			H	19.77		
		E2	V	22.04		
			H	18.94		
	Highest	H	V	22.35	33.00	Pass
			H	20.08		
		E1	V	22.15		
H			19.85			
E2		V	21.83			
		H	19.27			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 7 (15MHz)	Lowest	H	V	22.61	33.00	Pass
			H	20.60		
		E1	V	22.33		
			H	19.97		
		E2	V	21.59		
			H	18.80		
	Middle	H	V	22.69	33.00	Pass
			H	20.06		
		E1	V	22.32		
			H	19.89		
		E2	V	22.14		
			H	19.05		
Highest	H	V	22.43	33.00	Pass	
		H	20.16			
	E1	V	22.24			
		H	19.95			
	E2	V	21.89			
		H	19.34			

EUT mode	Channel	EUT Pol.	Antenna Pol.	ERP(dBm)	Limit (dBm)	Result
Band 7 (20MHz)	Lowest	H	V	22.66	33.00	Pass
			H	20.66		
		E1	V	22.39		
			H	20.04		
		E2	V	21.66		
			H	18.88		
	Middle	H	V	22.76	33.00	Pass
			H	20.14		
		E1	V	22.41		
			H	19.99		
		E2	V	22.22		
			H	19.13		
Highest	H	V	22.49	33.00	Pass	
		H	20.24			
	E1	V	22.32			
		H	20.04			
	E2	V	21.95			
		H	19.41			

7.9 Field strength of spurious radiation measurement

Test Requirement:	Part 24.238 (a); FCC Part 27.53(h)/(g)
Test Method:	FCC part 2.1053 and ANSI C63.26:2015
Limit:	Band 4/5/7/66: -13dBm Band 7: -25dBm
Test setup:	<p>Below 1GHz</p>  <p>Above 1GHz</p>  <p>Substituted method:</p> 

Test Procedure:	<ol style="list-style-type: none"> 1. The EUT was placed on a non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. 2. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. 3. The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method. 4. The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency. $\text{ERP / EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain(dB/dBi)} - \text{Cable Loss (dB)}$
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 6.1 for details
Test results:	Pass

Measurement Data

Remark:

1. The emission behaviour belongs to narrowband spurious emission.
2. Remark"---" means that the emission level is too low to be measured
3. The emission levels of below 1 GHz are very lower than the limit and not show in test report.

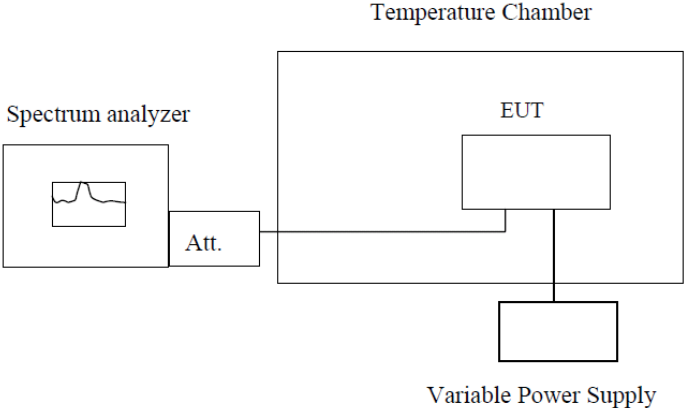
Test mode:		Band 66 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
3701.40	Vertical	-36.00	-13.00	Pass	
5552.10	V	-38.73			
7402.80	V	-40.99			
9253.50	V	-43.15			
11104.20	V	---			
3701.40	Horizontal	-41.23	-13.00	Pass	
5552.10	H	-45.09			
7402.80	H	-46.66			
9253.50	H	-49.39			
11104.20	H	---			
Test mode:		Band 66 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
3760.00	Vertical	-37.37	-13.00	Pass	
5640.00	V	-39.64			
7520.00	V	-41.53			
9400.00	V	-43.33			
11280.00	V	---			
3760.00	Horizontal	-41.73	-13.00	Pass	
5640.00	H	-44.95			
7520.00	H	-46.25			
9400.00	H	-48.53			
11280.00	H	---			
Test mode:		Band 66 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
3818.60	Vertical	-37.69	-13.00	Pass	
5727.90	V	-39.71			
7637.20	V	-41.37			
9546.50	V	-42.98			
11455.80	V	---			
3818.60	Horizontal	-41.56	-13.00	Pass	
5727.90	H	-44.42			
7637.20	H	-45.57			
9546.50	H	-47.59			
11455.80	H	---			

Test mode:		Band 4 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
3421.40	Vertical	-37.11	-13.00	Pass	
5132.10	V	-39.48			
6842.80	V	-41.45			
8553.50	V	-43.34			
10264.20	V	---			
3421.40	Horizontal	-41.67	-13.00	Pass	
5132.10	H	-45.04			
6842.80	H	-46.38			
8553.50	H	-48.75			
10264.20	H	---			
Test mode:		Band 4 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
3465.00	Vertical	-34.97	-13.00	Pass	
5197.50	V	-37.42			
6930.00	V	-39.44			
8662.50	V	-41.41			
10395.00	V	---			
3465.00	Horizontal	-39.69	-13.00	Pass	
5197.50	H	-43.15			
6930.00	H	-44.55			
8662.50	H	-46.99			
10395.00	H	---			
Test mode:		Band 4 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
3508.60	Vertical	-35.75	-13.00	Pass	
5262.90	V	-38.14			
7017.20	V	-40.12			
8771.50	V	-42.02			
10525.80	V	---			
3508.60	Horizontal	-40.34	-13.00	Pass	
5262.90	H	-43.73			
7017.20	H	-45.09			
8771.50	H	-47.48			
10525.80	H	---			

Test mode:		Band 5 (1.4MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
1649.40	Vertical	-40.11	-13.00	Pass	
2474.10	V	-40.81			
3298.80	V	-42.18			
4123.50	V	-44.33			
4948.20	V	---			
1649.40	Horizontal	-43.01	-13.00	Pass	
2474.10	H	-45.13			
3298.80	H	-46.60			
4123.50	H	-49.02			
4948.20	H	---			
Test mode:		Band 5 (1.4MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
1673.00	Vertical	-41.03	-13.00	Pass	
2509.50	V	-42.97			
3346.00	V	-44.18			
4182.50	V	-48.07			
5019.00	V	---			
1673.00	Horizontal	-44.31	-13.00	Pass	
2509.50	H	-44.83			
3346.00	H	-47.01			
4182.50	H	-50.34			
5019.00	H	---			
Test mode:		Band 5 (1.4MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
1696.60	Vertical	-38.60	-13.00	Pass	
2544.90	V	-40.24			
3393.20	V	-42.17			
4241.50	V	-43.10			
5089.80	V	---			
1696.60	Horizontal	-44.20	-13.00	Pass	
2544.90	H	-47.88			
3393.20	H	-50.18			
4241.50	H	-53.23			
5089.80	H	---			

Test mode:		Band 7 (5MHz)		Test channel:	Lowest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
5005.00	Vertical	-38.53	-25.00	Pass	
7507.50	V	-41.62			
10010.00	V	-44.18			
12512.50	V	-46.64			
15015.00	V	---			
5005.00	Horizontal	-44.21	-25.00	Pass	
7507.50	H	-48.58			
10010.00	H	-50.35			
12512.50	H	-53.43			
15015.00	H	---			
Test mode:		Band 7 (5MHz)		Test channel:	Middle
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
5070.00	Vertical	-38.98	-25.00	Pass	
7605.00	V	-41.93			
10140.00	V	-44.36			
12675.00	V	-46.70			
15210.00	V	---			
5070.00	Horizontal	-44.38	-25.00	Pass	
7605.00	H	-48.55			
10140.00	H	-50.23			
12675.00	H	-53.17			
15210.00	H	---			
Test mode:		Band 7 (5MHz)		Test channel:	Highest
Frequency (MHz)	Spurious Emission		Limit (dBm)	Result	
	Polarization	Level (dBm)			
5135.00	Vertical	-38.22	-25.00	Pass	
7702.50	V	-40.97			
10270.00	V	-43.24			
12837.50	V	-45.43			
15405.00	V	---			
5135.00	Horizontal	-43.24	-25.00	Pass	
7702.50	H	-47.13			
10270.00	H	-48.70			
12837.50	H	-51.44			
15405.00	H	---			

7.10 Frequency stability V.S. Temperature measurement

Test Requirement:	FCC Part2.1055(a)(1)(b)
Test Method:	FCC Part2.1055(a)(1)(b)
Limit:	2.5ppm
Test setup:	 <p>Note : Measurement setup for testing on Antenna connector</p>
Test procedure:	<ol style="list-style-type: none"> 1. The equipment under test was connected to an external DC power supply and input rated voltage. 2. RF output was connected to a frequency counter or spectrum analyzer via feed through attenuators. 3. The EUT was placed inside the temperature chamber. 4. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and measure EUT 25°C operating frequency as reference frequency. 5. Turn EUT off and set the chamber temperature to -20°C. After the temperature stabilized for approximately 30 minutes recorded the frequency. 6. Repeat step measure with 10°C increased per stage until the highest temperature of +50°C reached.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 6.1 for details
Test results:	Pass

Measurement Data

Modulation Mode: QPSK Mode

Reference Frequency: LTE Band 4 Middle channel= 1732.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	52	0.0299	2.5	Pass
	-20	57	0.0326		
	-10	49	0.0285		
	0	45	0.0258		
	10	47	0.0272		
	20	42	0.0244		
	30	68	0.0395		
	40	59	0.0340		
	50	57	0.0326		
Reference Frequency: LTE Band 5 Middle channel= 836.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error			Result
		Hz	ppm		
3.80	-30	49	0.0582	2.5	Pass
	-20	56	0.0665		
	-10	47	0.0565		
	0	42	0.0498		
	10	46	0.0552		
	20	41	0.0487		
	30	66	0.0787		
	40	58	0.0692		
	50	55	0.0658		

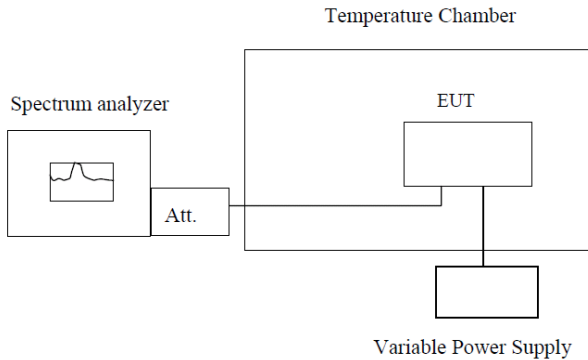
Reference Frequency: LTE Band 7 Middle channel= 2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	38	0.0148	2.5	Pass
	-20	45	0.0177		
	-10	35	0.0137		
	0	28	0.0109		
	10	36	0.0143		
	20	28	0.0109		
	30	52	0.0205		
	40	42	0.0165		
	50	45	0.0177		
Reference Frequency: LTE Band 66 Middle channel= 1745MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	52	0.0299	2.5	Pass
	-20	57	0.0326		
	-10	49	0.0285		
	0	45	0.0258		
	10	47	0.0272		
	20	42	0.0244		
	30	68	0.0395		
	40	59	0.0340		
	50	57	0.0326		

Modulation Mode: 16QAM Mode

Reference Frequency: LTE Band 4 Middle channel= 1732.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	51	0.0291	2.5	Pass
	-20	55	0.0319		
	-10	48	0.0278		
	0	43	0.0251		
	10	46	0.0264		
	20	41	0.0237		
	30	67	0.0386		
	40	58	0.0332		
	50	55	0.0319		
Reference Frequency: LTE Band 5 Middle channel= 836.5MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error			Result
		Hz	ppm		
3.80	-30	50	0.0597	2.5	Pass
	-20	57	0.0682		
	-10	48	0.0579		
	0	43	0.0510		
	10	47	0.0565		
	20	42	0.0499		
	30	68	0.0807		
	40	59	0.0710		
	50	56	0.0674		

Reference Frequency: LTE Band 7 Middle channel= 2535MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	32	0.0128	2.5	Pass
	-20	39	0.0154		
	-10	30	0.0118		
	0	23	0.0092		
	10	31	0.0123		
	20	23	0.0092		
	30	46	0.0180		
	40	36	0.0144		
	50	39	0.0154		
Reference Frequency: LTE Band 66 Middle channel= 1745MHz					
Power supplied (Vdc)	Temperature (°C)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
3.80	-30	47	0.0248	2.5	Pass
	-20	52	0.0275		
	-10	45	0.0238		
	0	38	0.0202		
	10	43	0.0229		
	20	38	0.0202		
	30	59	0.0312		
	40	53	0.0284		
	50	52	0.0275		

7.11 Frequency stability V.S. Voltage measurement

Test Requirement:	FCC Part2.1055(d)(1)(2)
Test Method:	FCC Part2.1055(d)(1)(2)
Limit:	2.5ppm
Test setup:	 <p style="text-align: center;">Temperature Chamber</p> <p style="text-align: center;">Spectrum analyzer</p> <p style="text-align: center;">Att.</p> <p style="text-align: center;">EUT</p> <p style="text-align: center;">Variable Power Supply</p> <p>Note : Measurement setup for testing on Antenna connector</p>
Test procedure:	<ol style="list-style-type: none"> 1. Set chamber temperature to 25°C. Use a variable DC power source to power the EUT and set the voltage to rated voltage. 2. Set the spectrum analyzer RBW low enough to obtain the desired frequency resolution and recorded the frequency. 3. Reduce the input voltage to specified extreme voltage variation (+/- 15%) and endpoint, record the maximum frequency change.
Test Instruments:	Refer to section 6.0 for details
Test mode:	Refer to section 6.1 for details
Test results:	Pass

Measurement Data

Modulation Mode: QPSK Mode

Reference Frequency: LTE Band 4 Middle channel= 1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	32	0.0184	2.5	Pass
	3.80	24	0.0141		
	3.23	27	0.0155		
Reference Frequency: LTE Band 5 Middle channel= 836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	38	0.0460	2.5	Pass
	3.80	43	0.0512		
	3.23	47	0.0564		
Reference Frequency: LTE Band 7 Middle channel= 2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	62	0.0243	2.5	Pass
	3.80	47	0.0186		
	3.23	50	0.0197		
Reference Frequency: LTE Band 66 Middle channel= 1745MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	33	0.0462	2.5	Pass
	3.80	40	0.0560		
	3.23	40	0.0560		

Modulation Mode: 16QAM Mode

Reference Frequency: LTE Band 4 Middle channel= 1732.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	34	0.0198	2.5	Pass
	3.80	26	0.0150		
	3.23	29	0.0166		
Reference Frequency: LTE Band 5 Middle channel= 836.5MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	41	0.0493	2.5	Pass
	3.80	47	0.0557		
	3.23	52	0.0619		
Reference Frequency: LTE Band 7 Middle channel= 2535MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	56	0.0220	2.5	Pass
	3.80	42	0.0167		
	3.23	45	0.0178		
Reference Frequency: LTE Band 66 Middle channel= 1745MHz					
Temperature (°C)	Power supplied (Vdc)	Frequency error		Limit (ppm)	Result
		Hz	ppm		
25	4.37	33	0.0465	2.5	Pass
	3.80	39	0.0558		
	3.23	39	0.0558		

8 Test Setup Photo

Reference to the **appendix I** for details.

9 EUT Constructional Details

Reference to the **appendix II** for details.

-----End-----