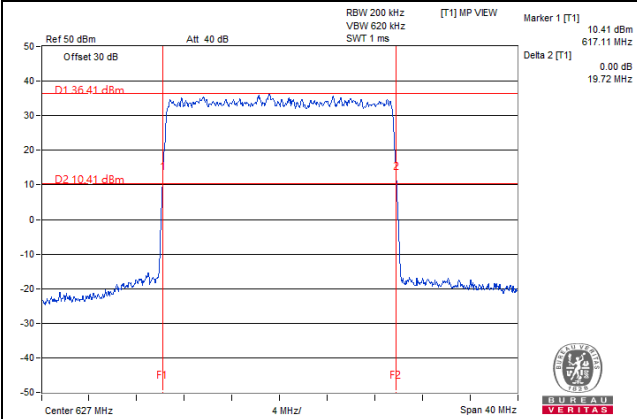
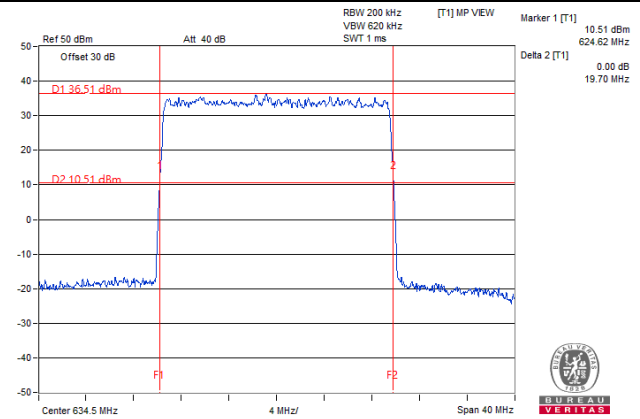


### 64QAM

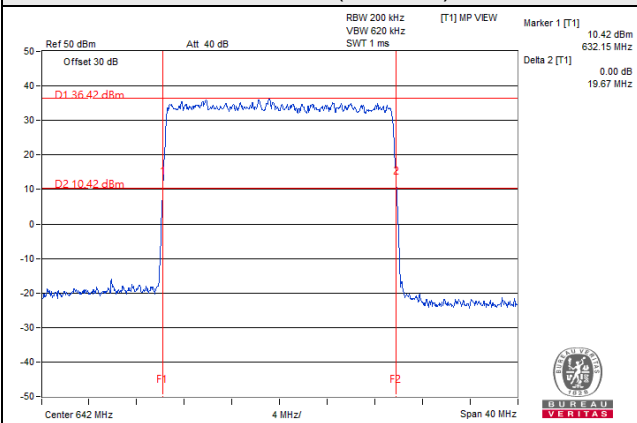
#### Ch 125400 (627MHz)



#### Ch 126900 (634.5MHz)

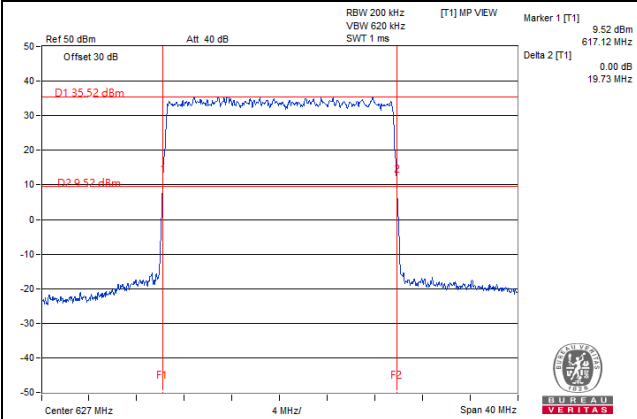


#### Ch 128400 (642MHz)

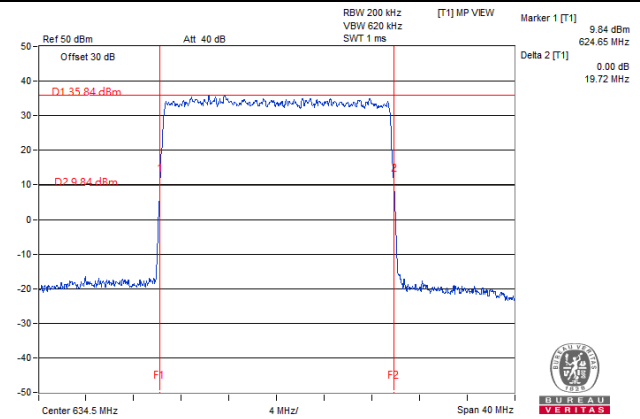


## 256QAM

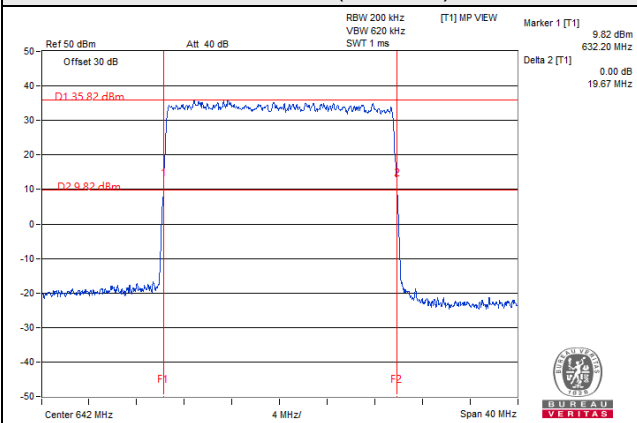
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)



### Ch 128400 (642MHz)



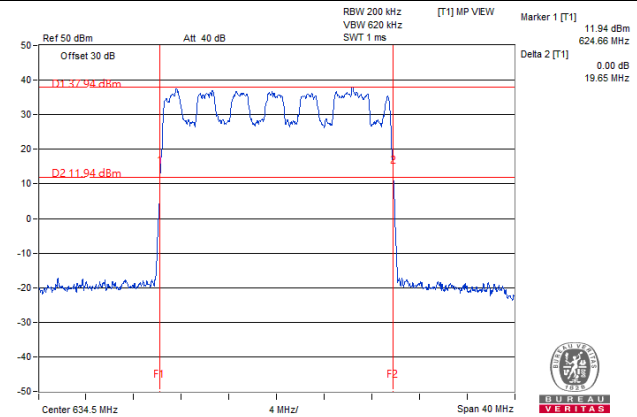
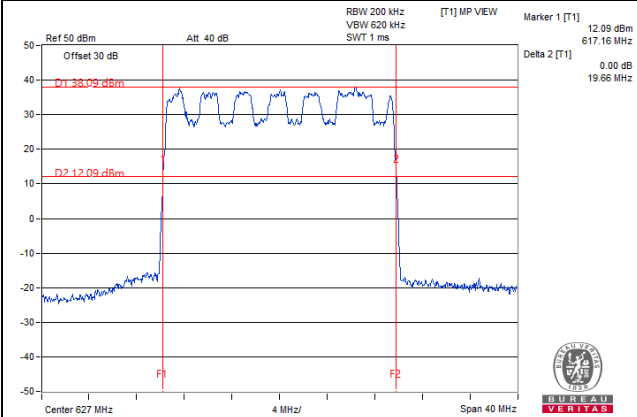
ANT3

-26dBc Bandwidth

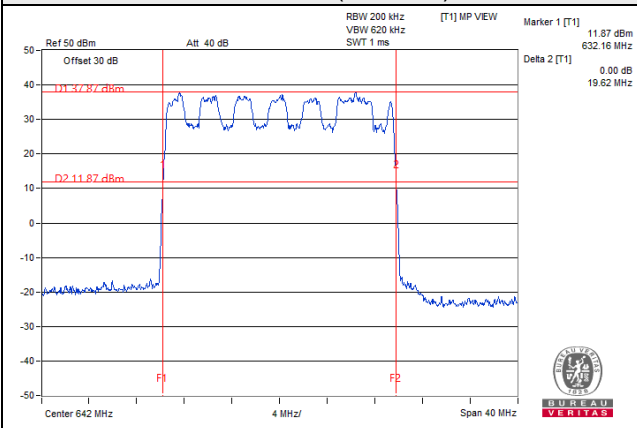
QPSK

Ch 125400 (627MHz)

Ch 126900 (634.5MHz)

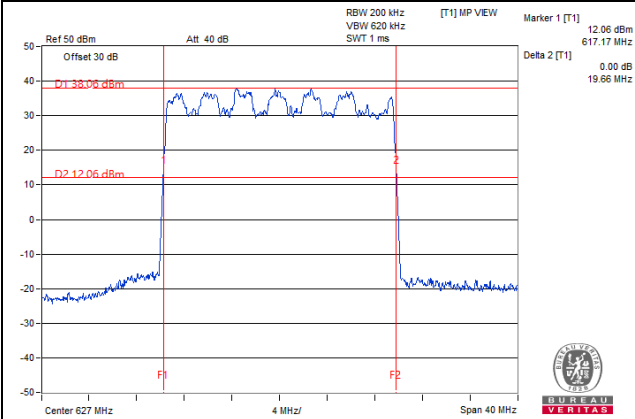


Ch 128400 (642MHz)

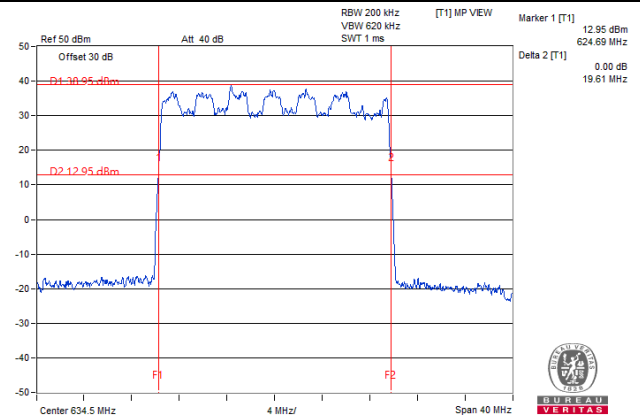


## 16QAM

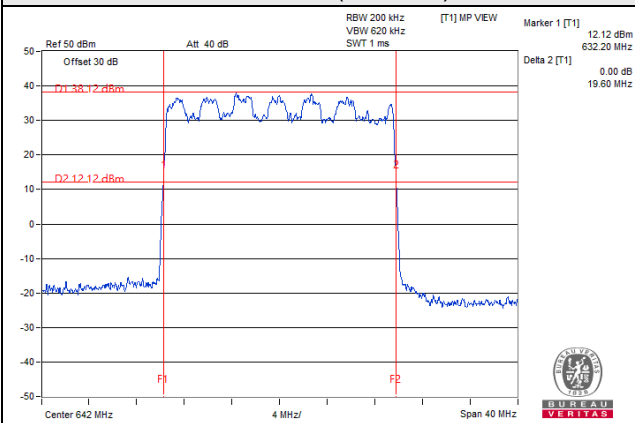
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)

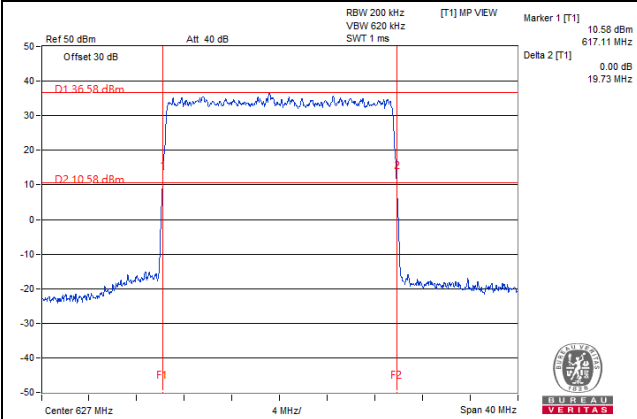


### Ch 128400 (642MHz)

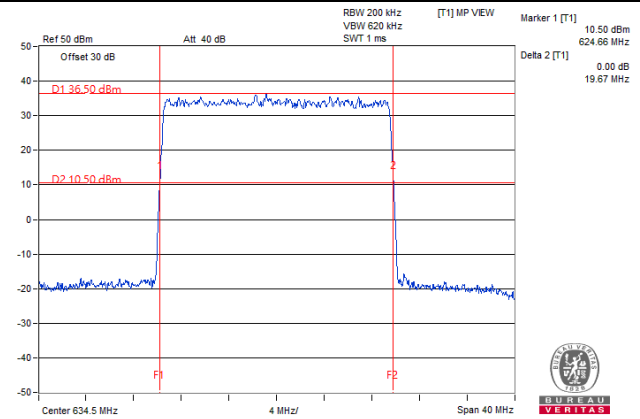


### 64QAM

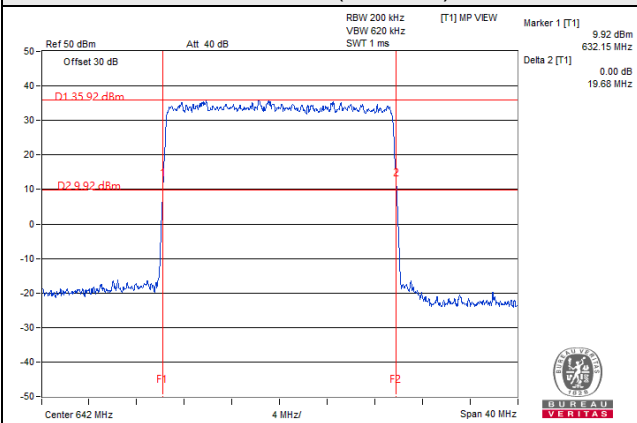
#### Ch 125400 (627MHz)



#### Ch 126900 (634.5MHz)

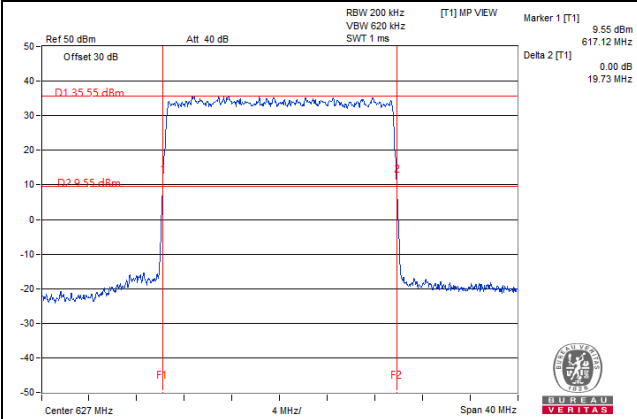


#### Ch 128400 (642MHz)

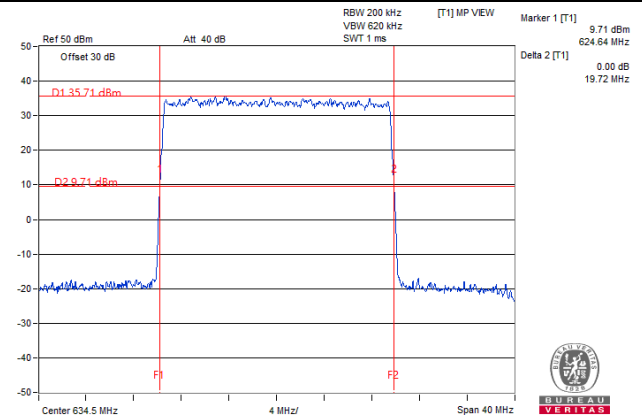


## 256QAM

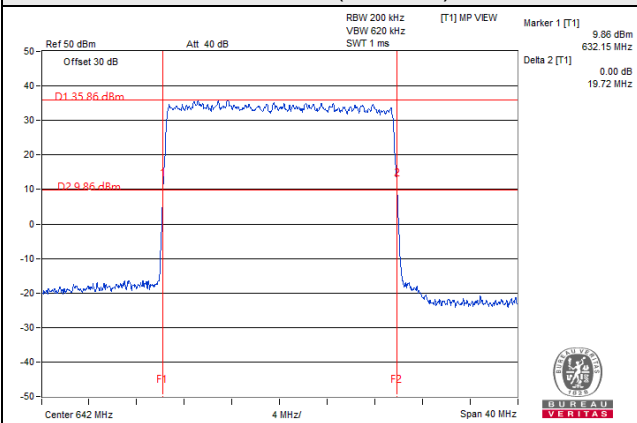
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)



### Ch 128400 (642MHz)

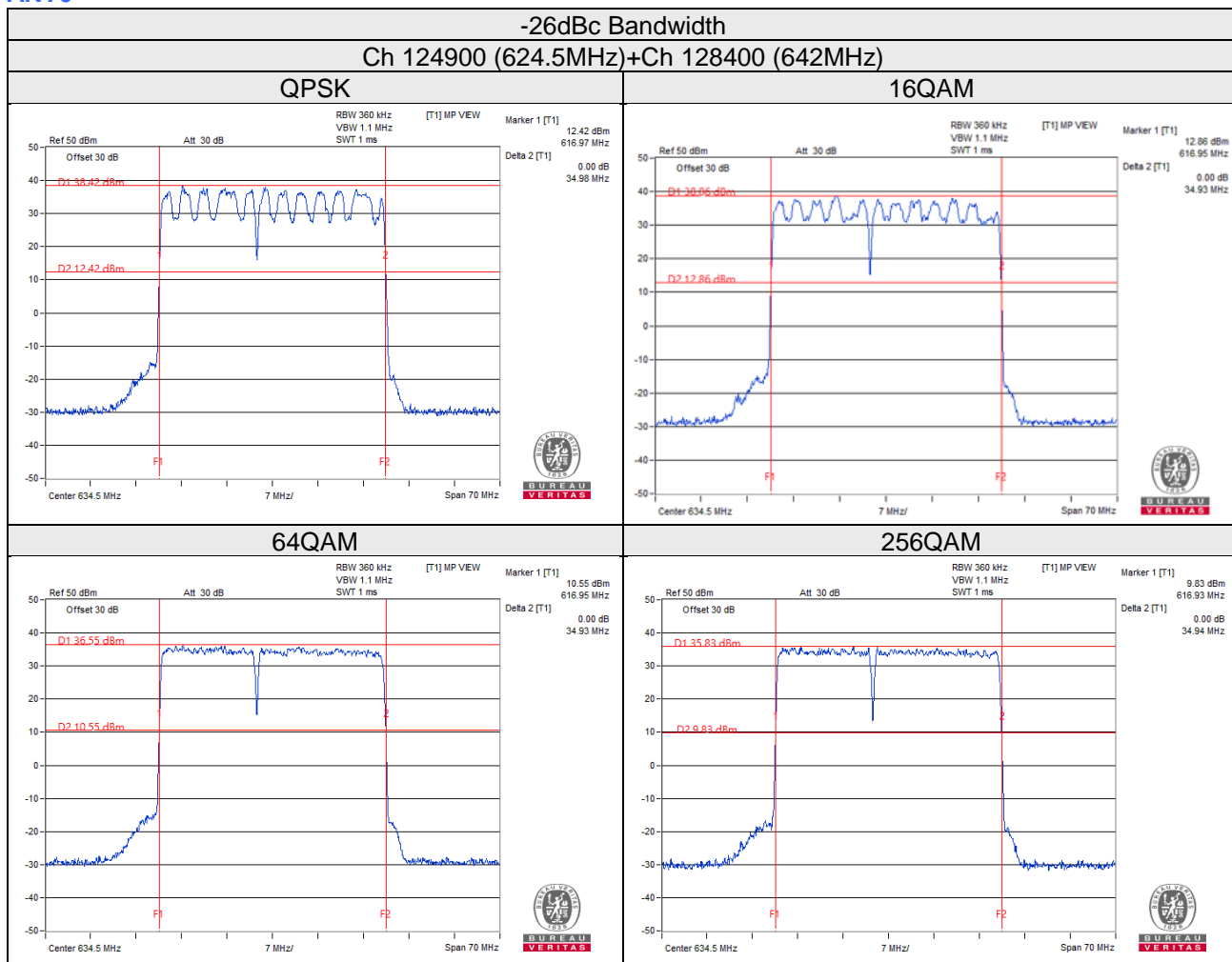


# CA-Contiguous

## 15MHz+20MHz

Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
124900	624.5																
+	+																
128400	642	34.98	34.93	34.93	34.94	34.94	34.96	34.94	34.98	34.95	34.96	34.92	34.99	34.94	34.95	34.95	34.93

## ANT0

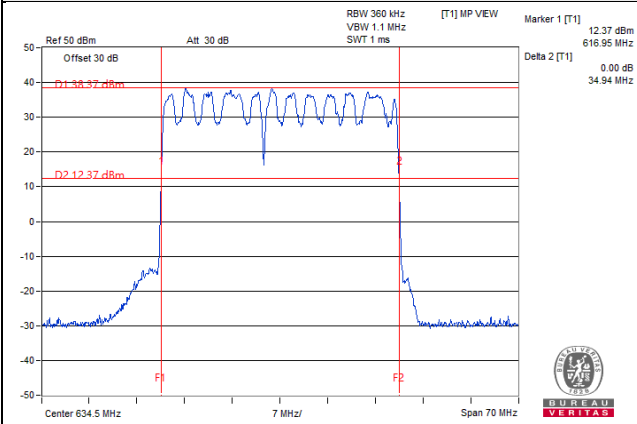


ANT1

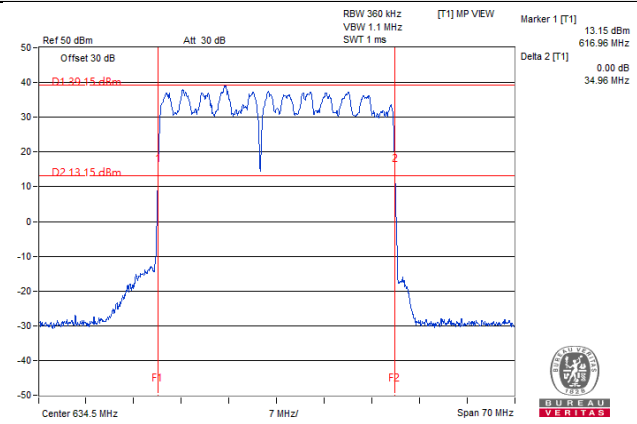
-26dBc Bandwidth

Ch 124900 (624.5MHz)+Ch 128400 (642MHz)

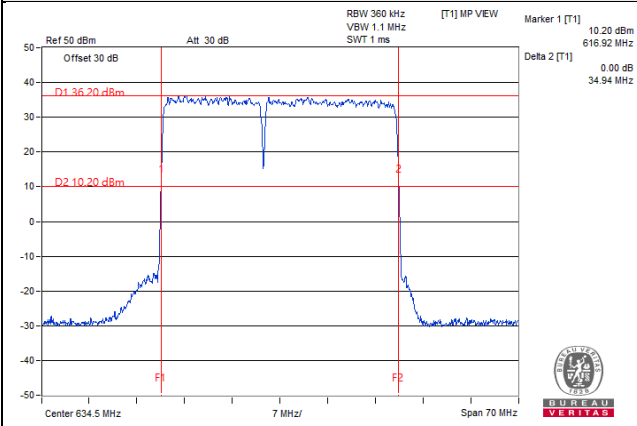
QPSK



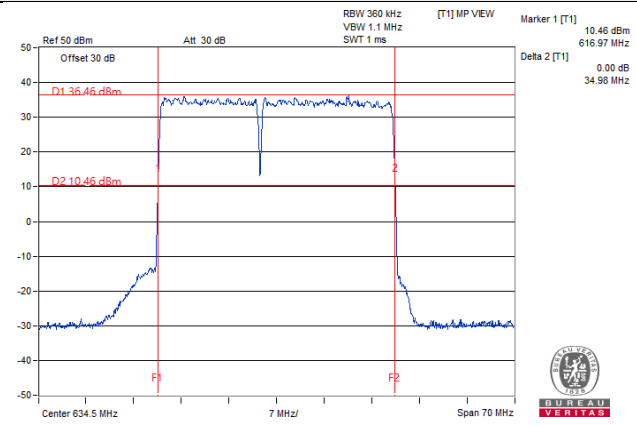
16QAM



64QAM



256QAM





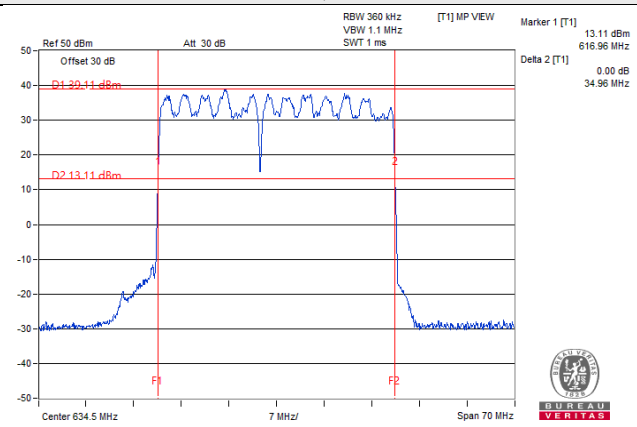
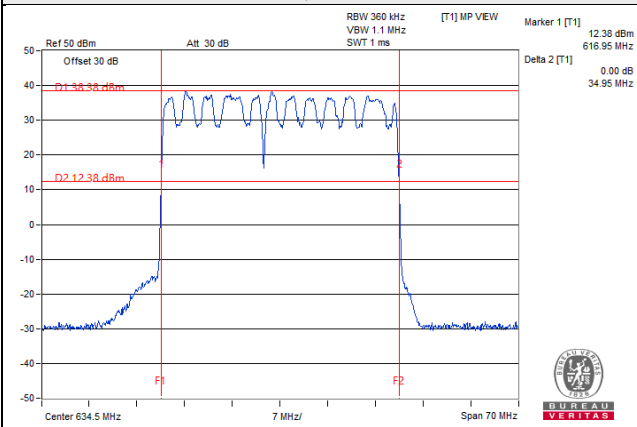
ANT2

-26dBc Bandwidth

Ch 124900 (624.5MHz)+Ch 128400 (642MHz)

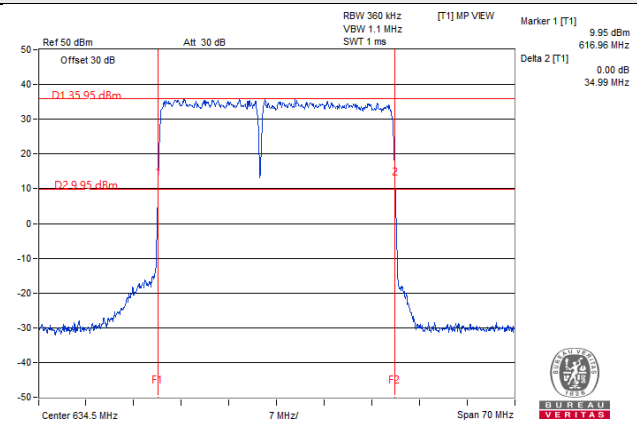
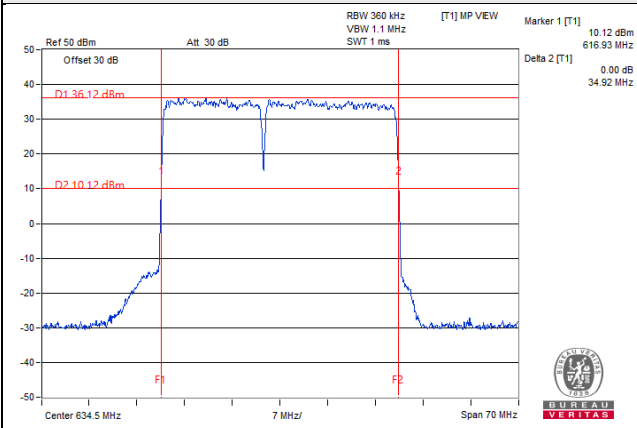
QPSK

16QAM



64QAM

256QAM

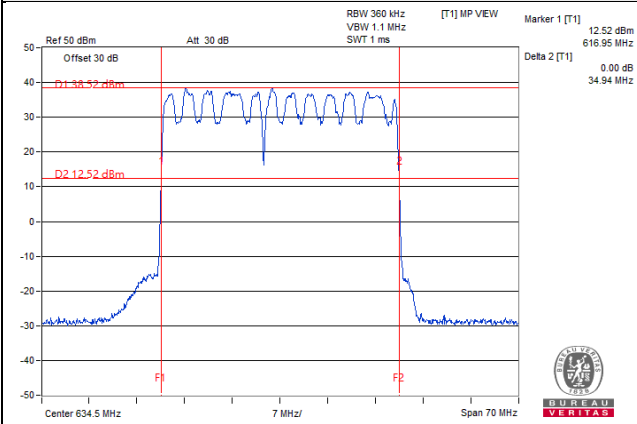


ANT3

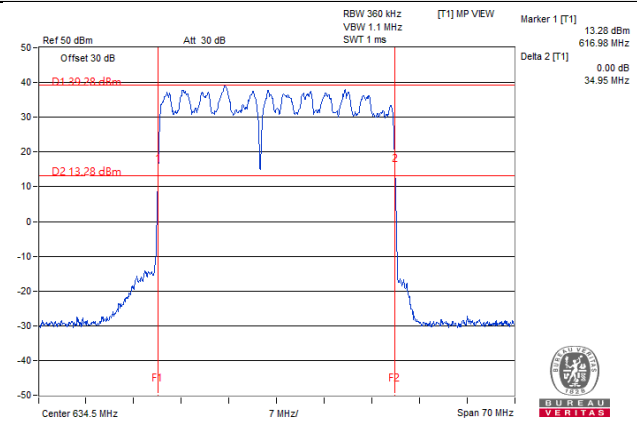
-26dBc Bandwidth

Ch 124900 (624.5MHz)+Ch 128400 (642MHz)

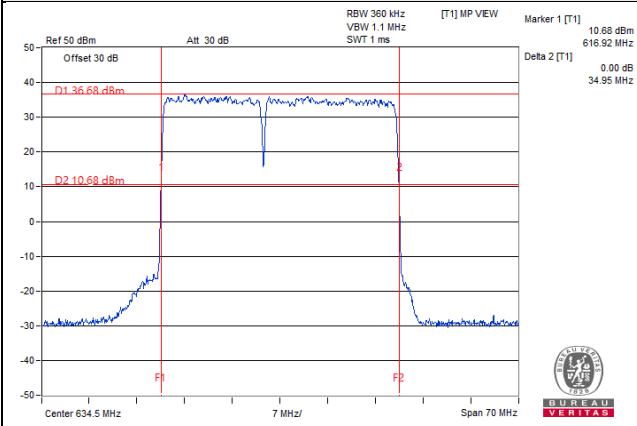
QPSK



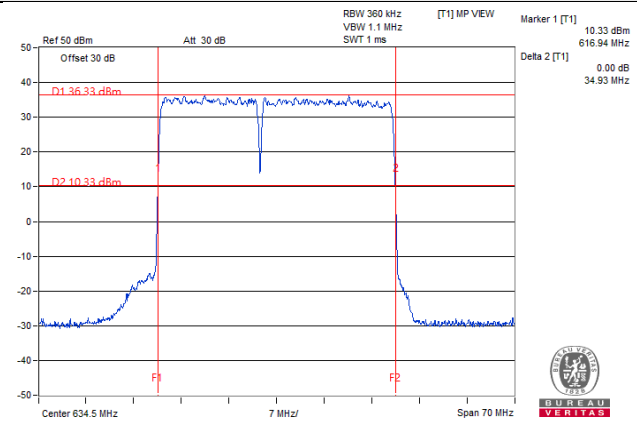
16QAM



64QAM



256QAM

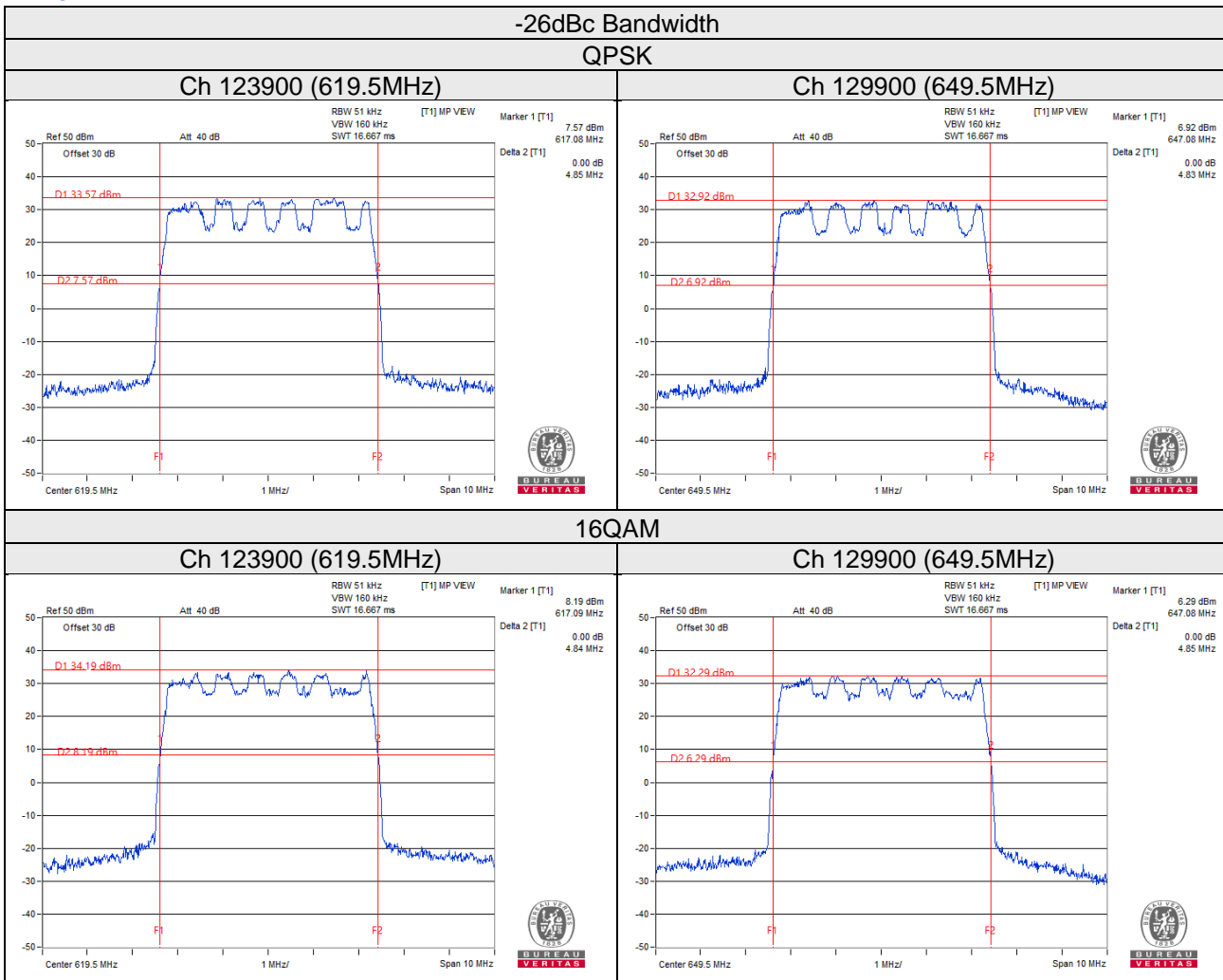


# CA-NC Non-Contiguous

## 5MHz+5MHz

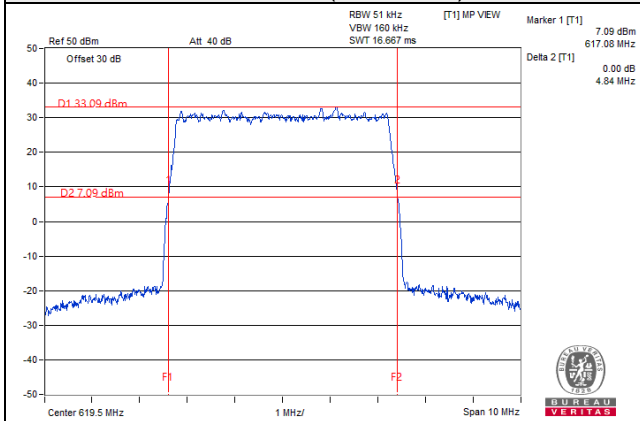
Channel Number	Freq. (MHz)	-26dB Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
123900 + 129900	619.5 + 649.5	4.85	4.84	4.84	4.84	4.85	4.84	4.85	4.85	4.86	4.82	4.85	4.84	4.86	4.83	4.83	4.86
		4.83	4.85	4.81	4.82	4.83	4.83	4.81	4.83	4.83	4.83	4.83	4.82	4.83	4.83	4.84	4.83

### ANT0

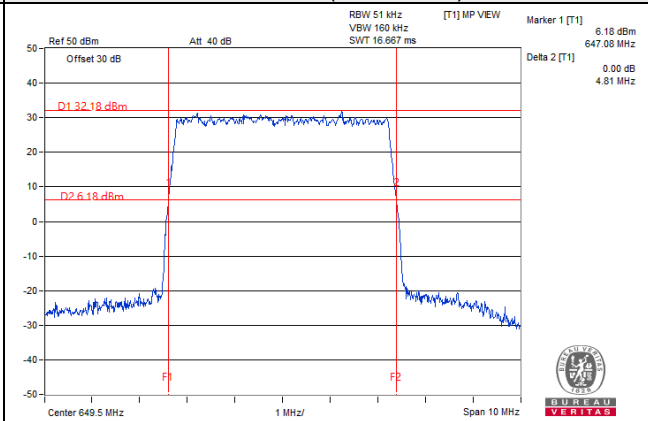


### 64QAM

#### Ch 123900 (619.5MHz)

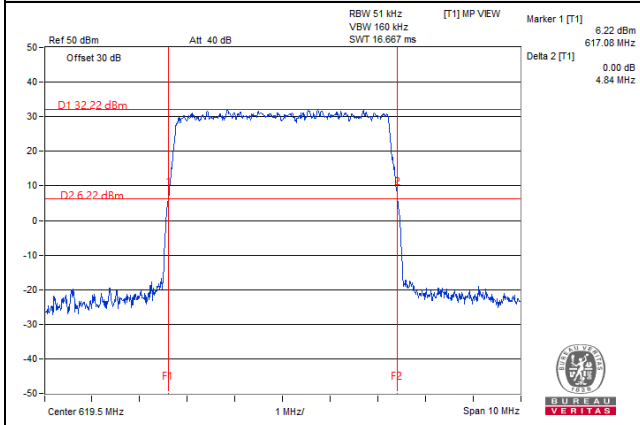


#### Ch 129900 (649.5MHz)

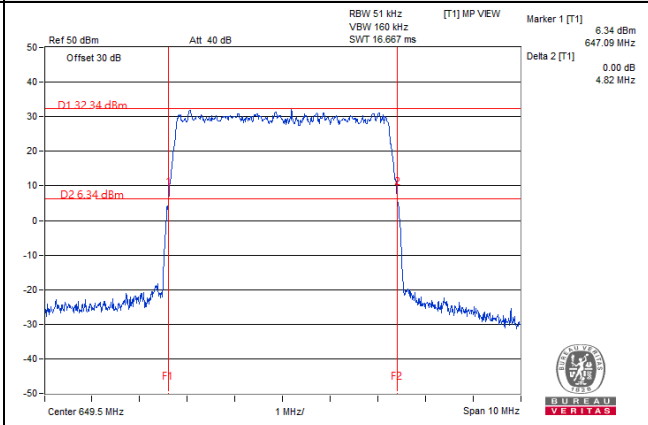


### 256QAM

#### Channel: 123900



#### Channel: 129900



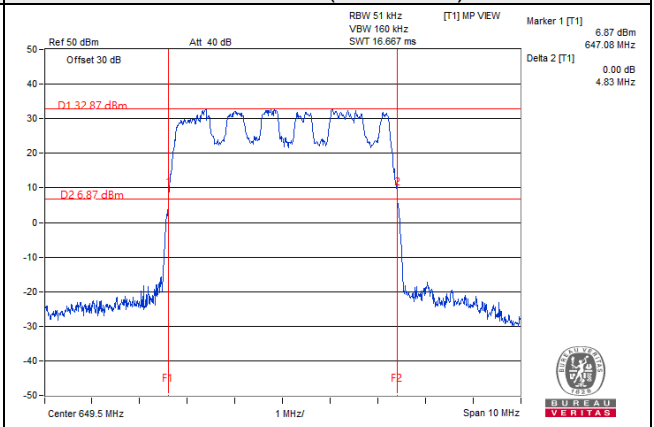
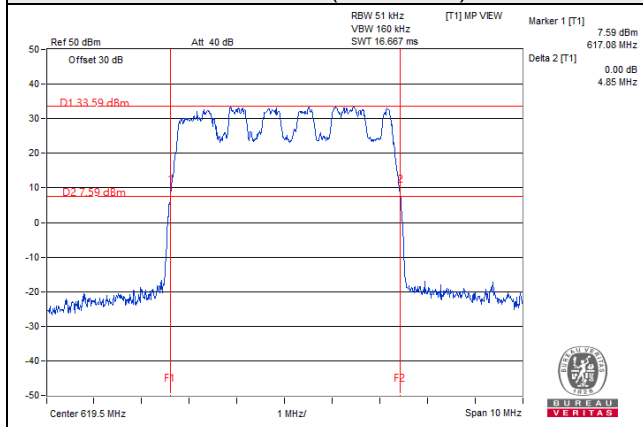
ANT1

-26dBc Bandwidth

QPSK

Ch 123900 (619.5MHz)

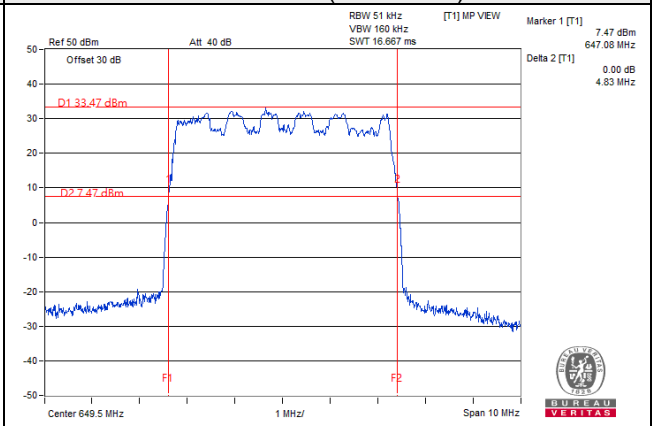
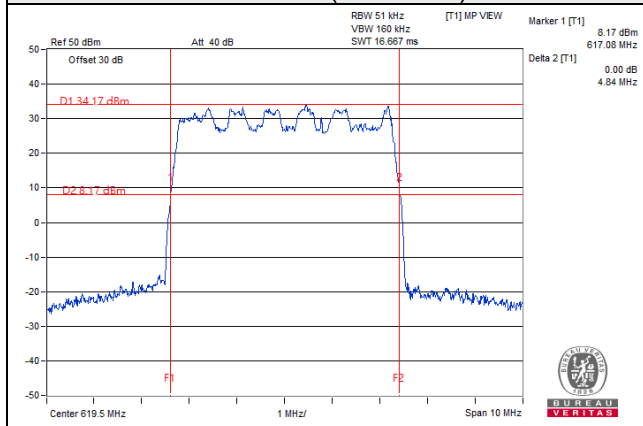
Ch 129900 (649.5MHz)



16QAM

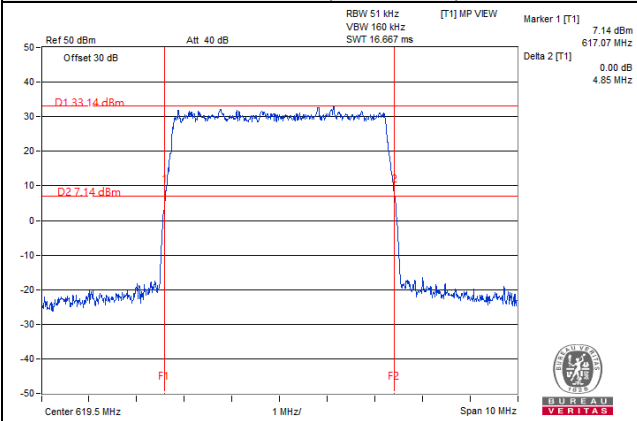
Ch 123900 (619.5MHz)

Ch 129900 (649.5MHz)

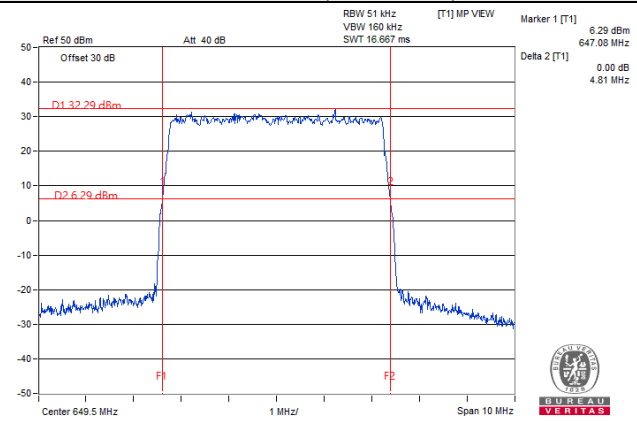


### 64QAM

#### Ch 123900 (619.5MHz)

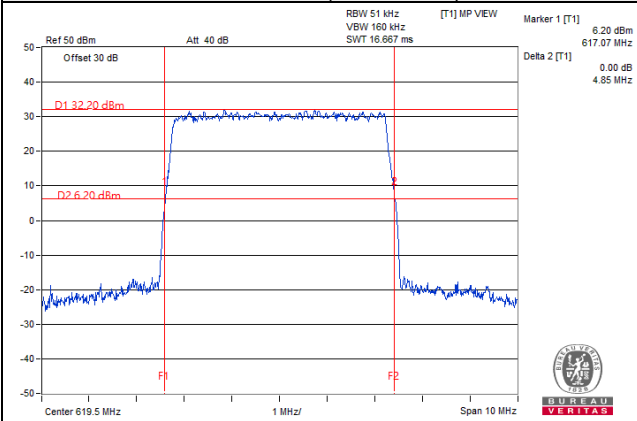


#### Ch 129900 (649.5MHz)

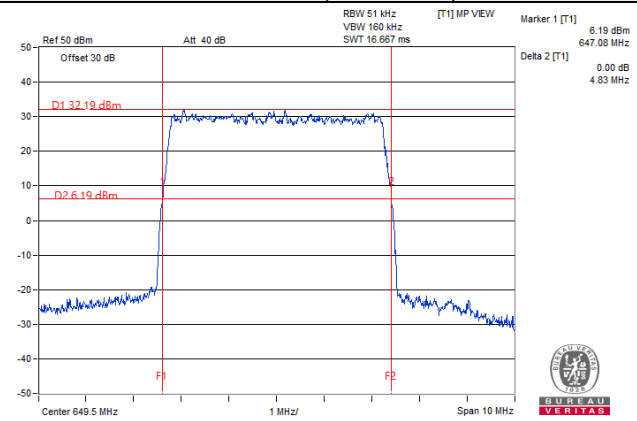


### 256QAM

#### Ch 123900 (619.5MHz)



#### Ch 129900 (649.5MHz)



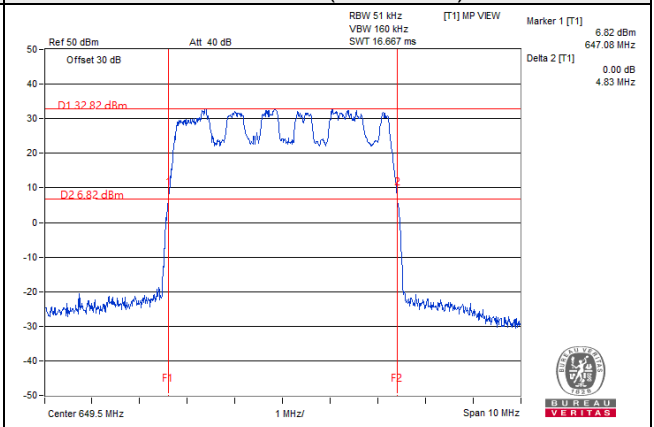
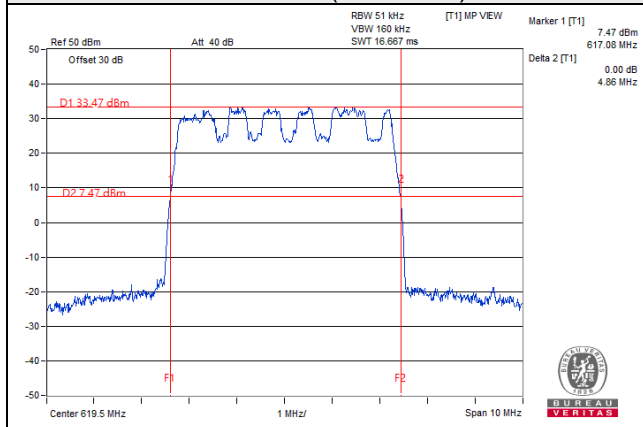
ANT2

-26dBc Bandwidth

QPSK

Ch 123900 (619.5MHz)

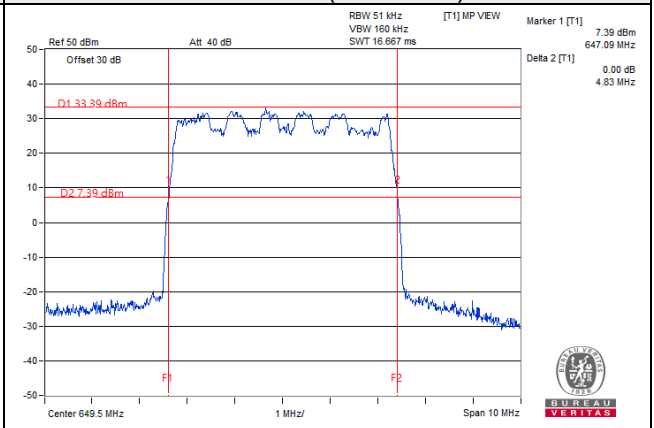
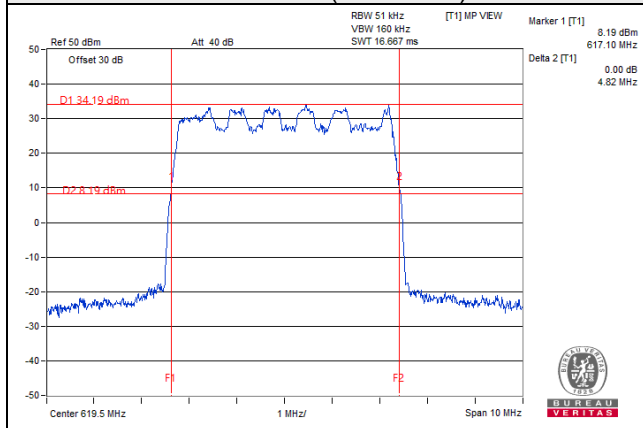
Ch 129900 (649.5MHz)



16QAM

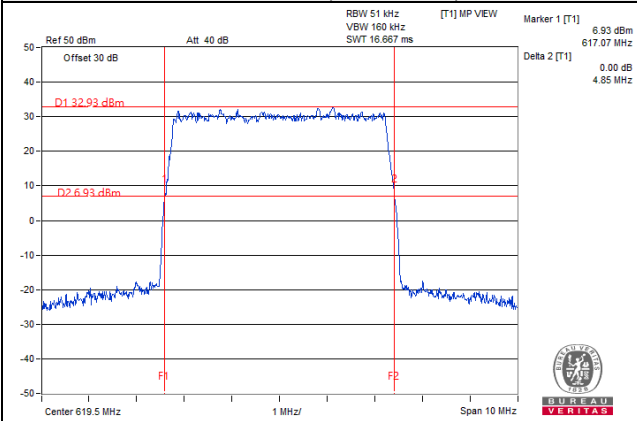
Ch 123900 (619.5MHz)

Ch 129900 (649.5MHz)

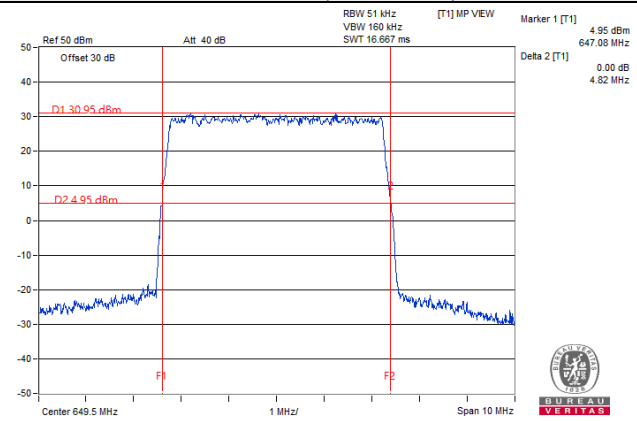


### 64QAM

#### Ch 123900 (619.5MHz)

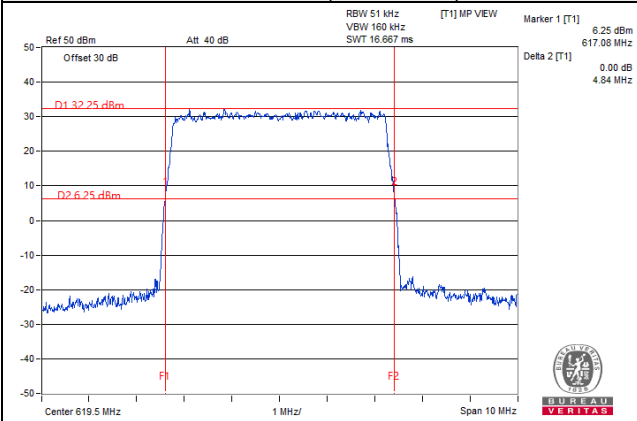


#### Ch 129900 (649.5MHz)

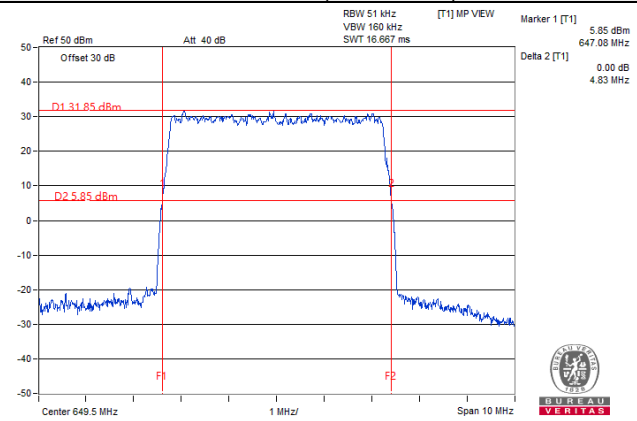


### 256QAM

#### Ch 123900 (619.5MHz)



#### Ch 129900 (649.5MHz)





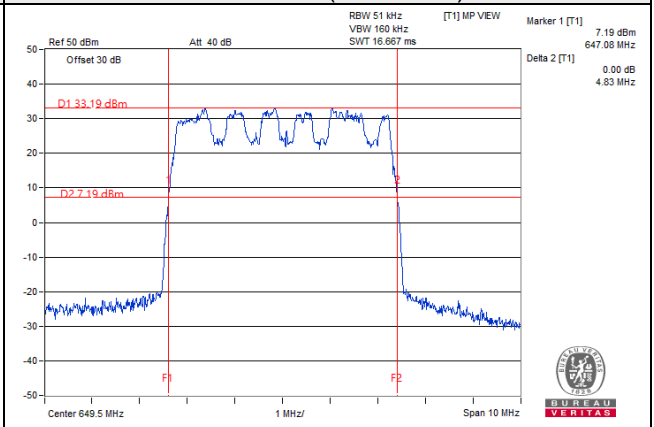
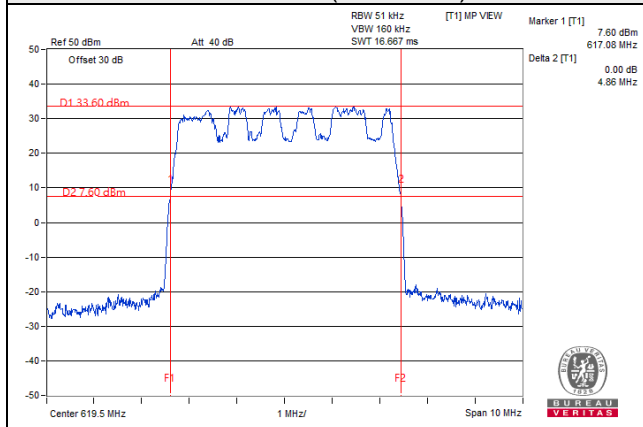
ANT3

-26dBc Bandwidth

QPSK

Ch 123900 (619.5MHz)

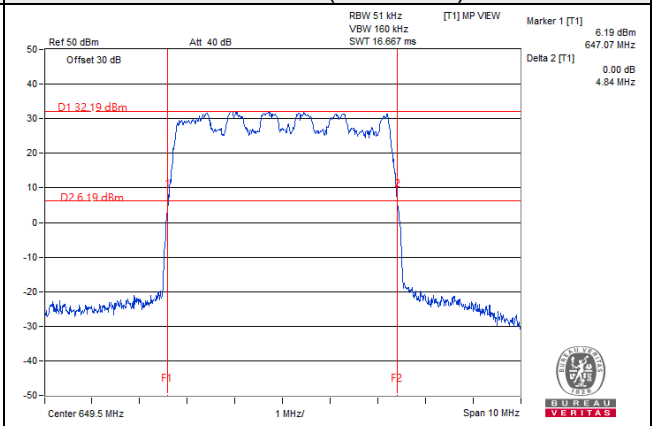
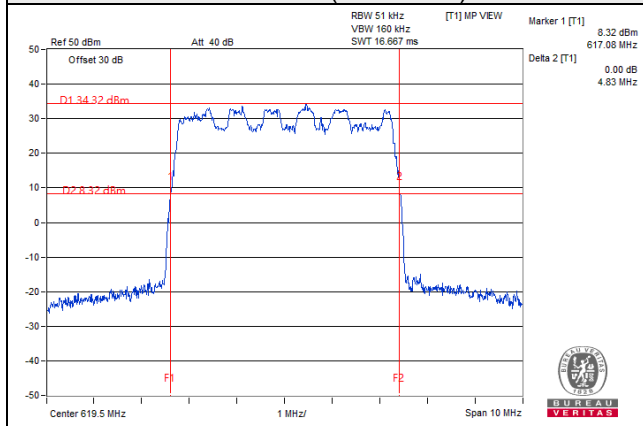
Ch 129900 (649.5MHz)



16QAM

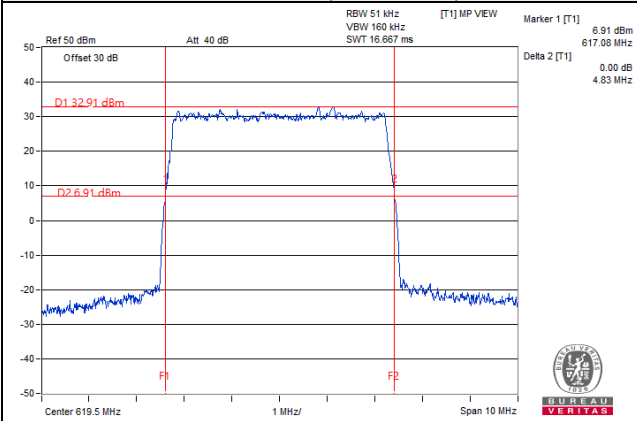
Ch 123900 (619.5MHz)

Ch 129900 (649.5MHz)

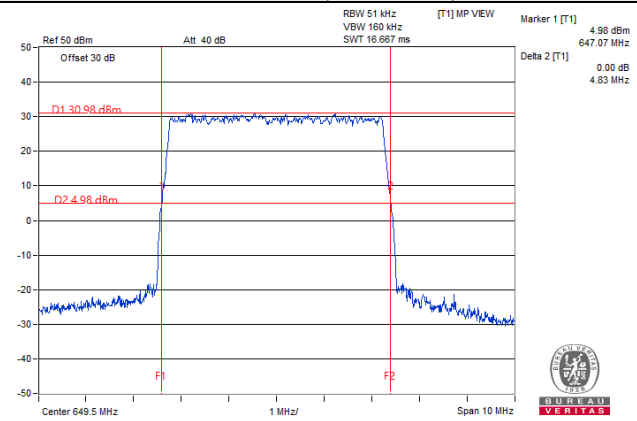


### 64QAM

#### Ch 123900 (619.5MHz)

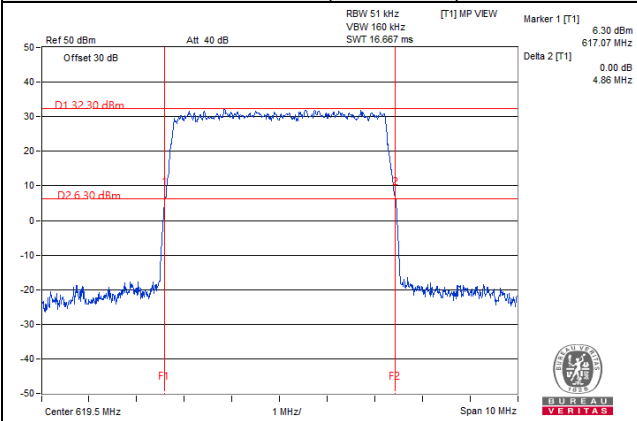


#### Ch 129900 (649.5MHz)

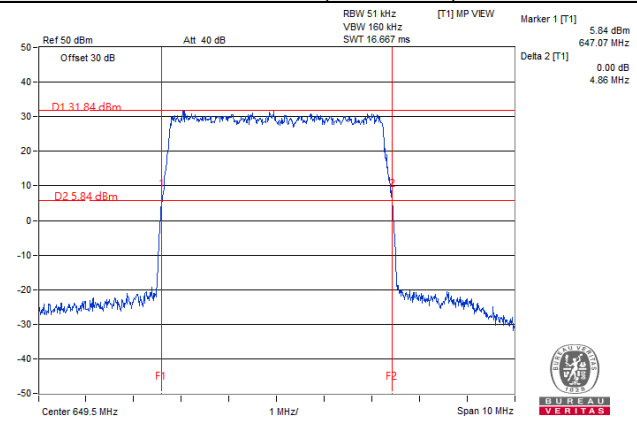


### 256QAM

#### Ch 123900 (619.5MHz)



#### Ch 129900 (649.5MHz)



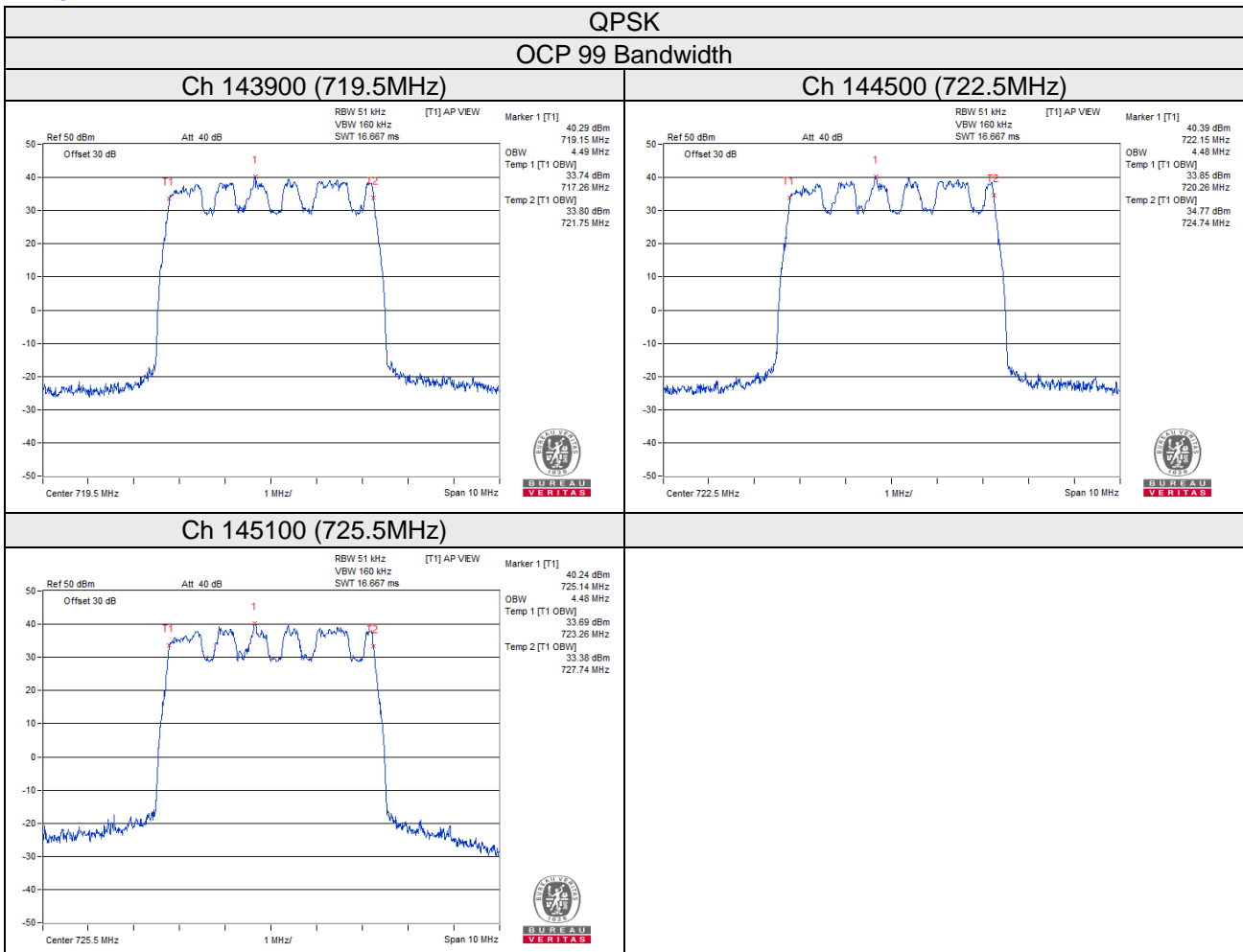
#### 4.4.5 Test Results (Occupied Bandwidth)

### Band n29 Single Carrier

#### 5MHz

Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)							
		ANT0				ANT1			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
143900	719.5	4.49	4.49	4.47	4.46	4.49	4.48	4.47	4.46
144500	722.5	4.48	4.49	4.47	4.47	4.48	4.49	4.47	4.46
145100	725.5	4.48	4.50	4.48	4.47	4.48	4.49	4.47	4.47

#### ANT0

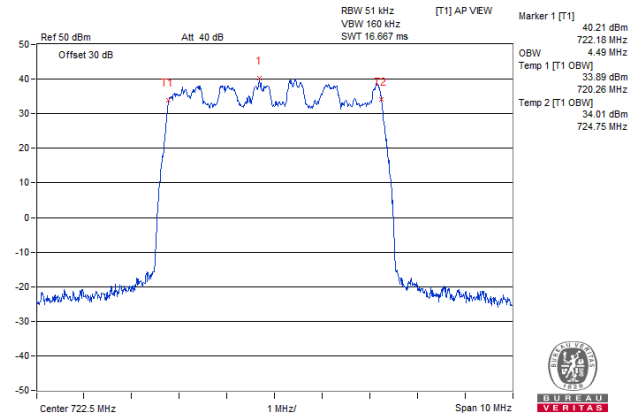
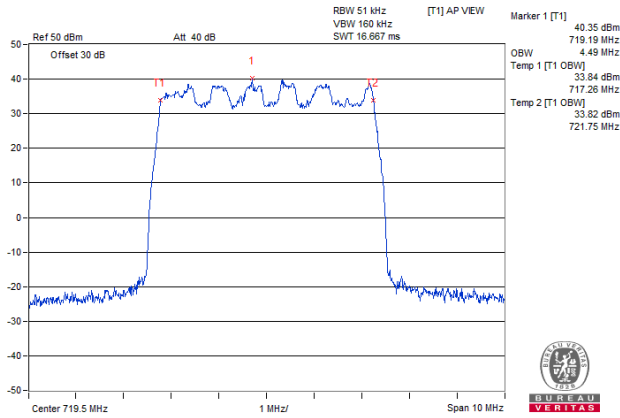


# 16QAM

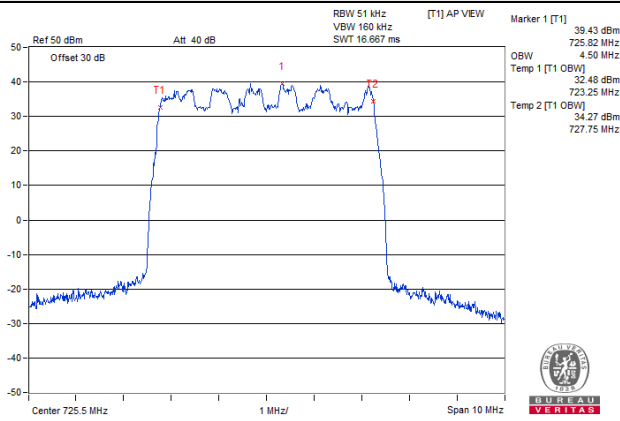
## OCP 99 Bandwidth

### Ch 143900 (719.5MHz)

### Ch 144500 (722.5MHz)



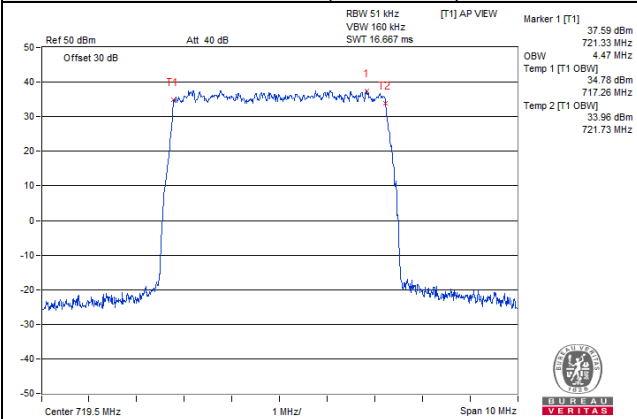
### Ch 145100 (725.5MHz)



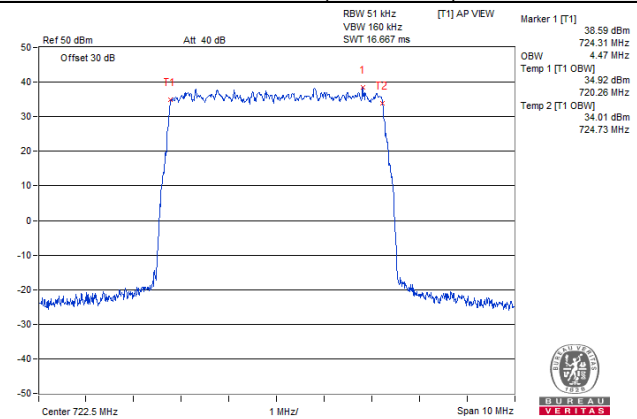
### 64QAM

### OCP 99 Bandwidth

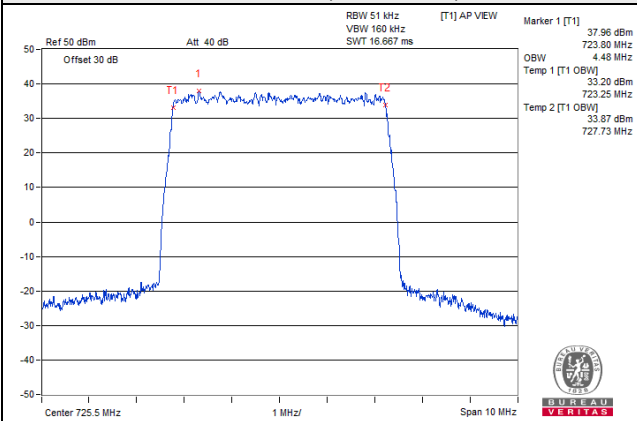
#### Ch 143900 (719.5MHz)



#### Ch 144500 (722.5MHz)



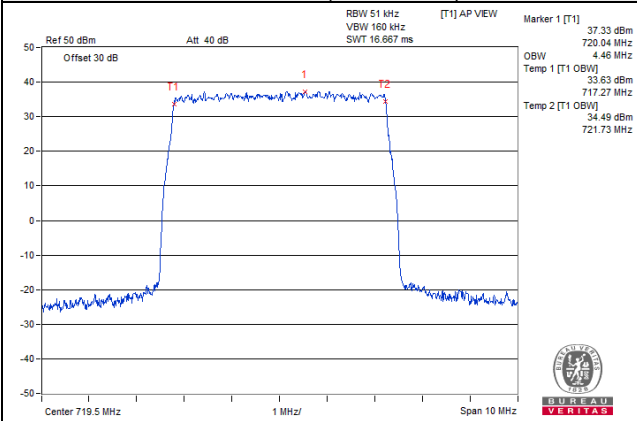
#### Ch 145100 (725.5MHz)



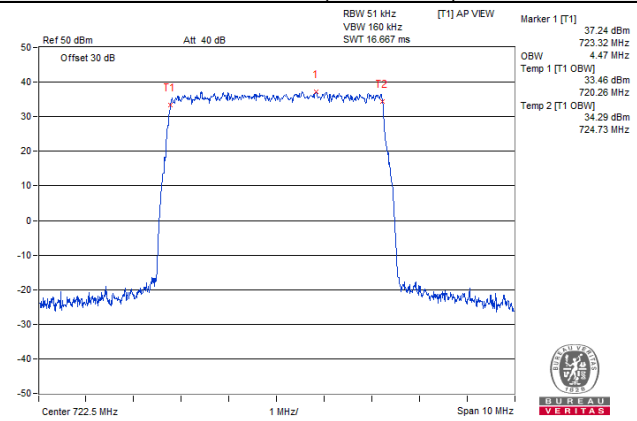
## 256QAM

### OCP 99 Bandwidth

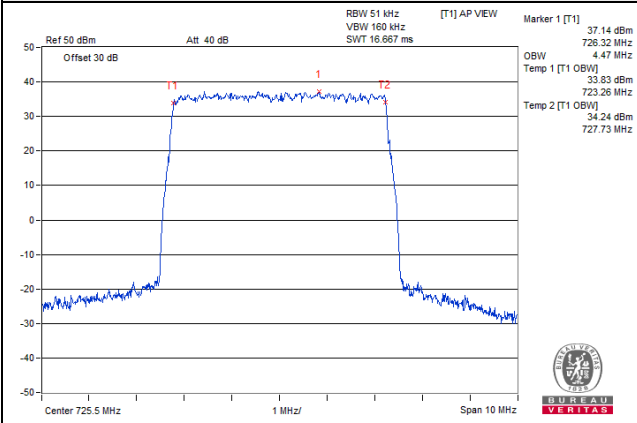
#### Ch 143900 (719.5MHz)



#### Ch 144500 (722.5MHz)



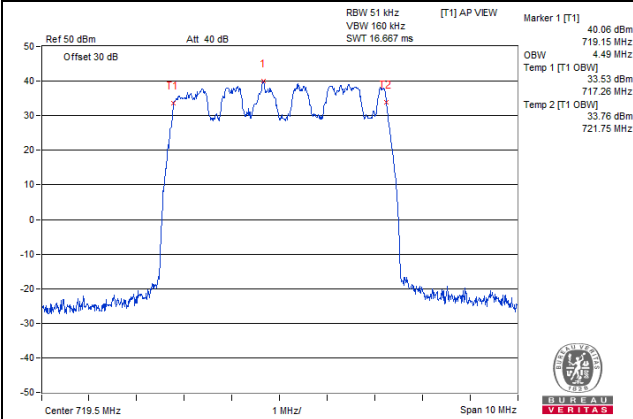
#### Ch 145100 (725.5MHz)



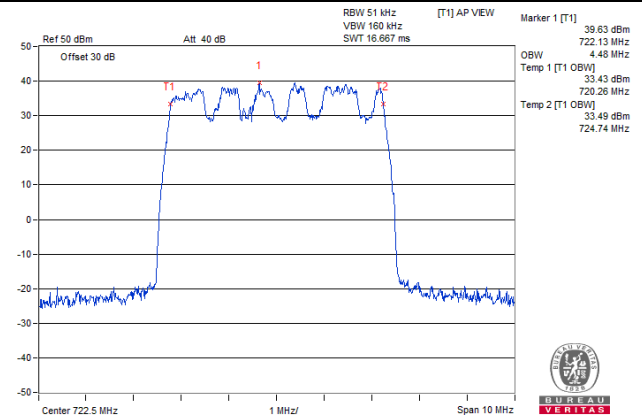
ANT1

**QPSK**  
**OCP 99 Bandwidth**

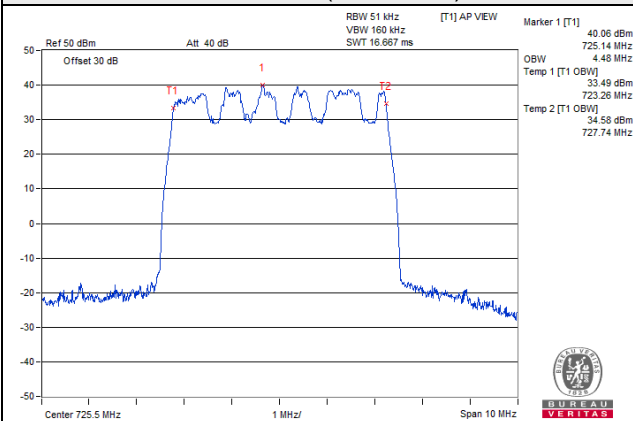
**Ch 143900 (719.5MHz)**



**Ch 144500 (722.5MHz)**



**Ch 145100 (725.5MHz)**

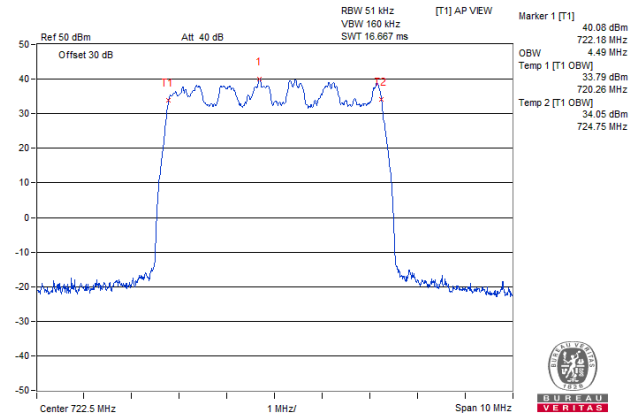
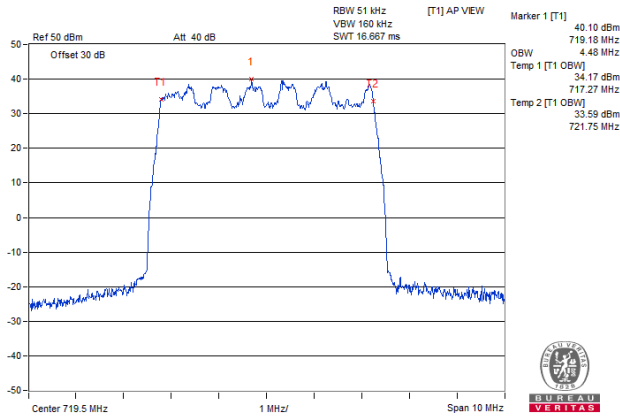


16QAM

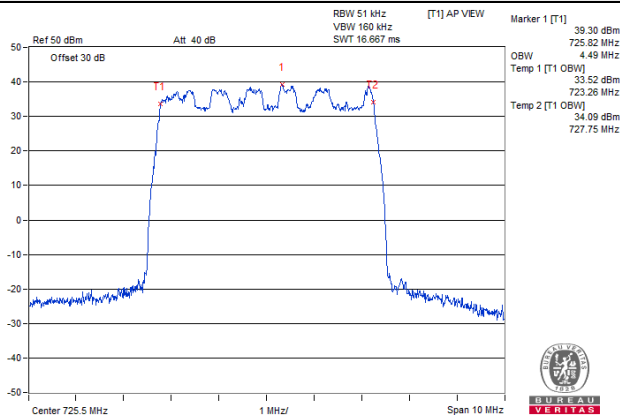
OCP 99 Bandwidth

Ch 143900 (719.5MHz)

Ch 144500 (722.5MHz)



Ch 145100 (725.5MHz)

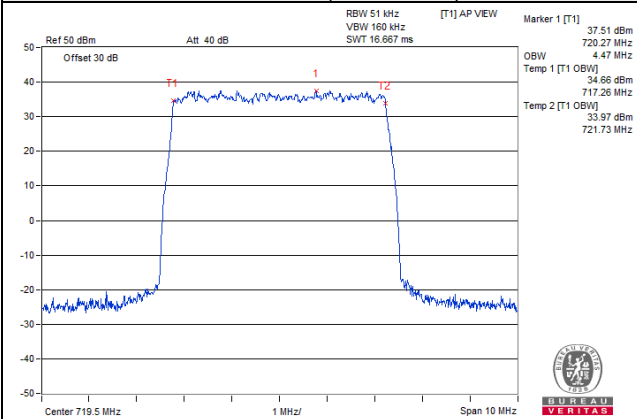




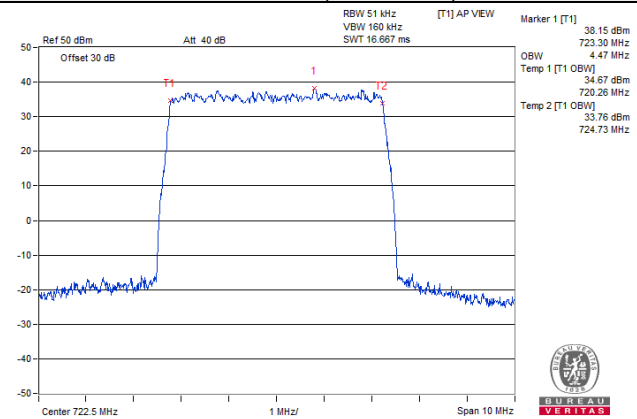
## 64QAM

### OCP 99 Bandwidth

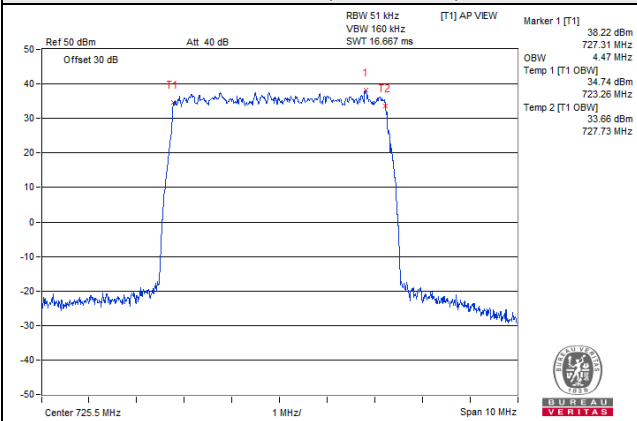
#### Ch 143900 (719.5MHz)



#### Ch 144500 (722.5MHz)



#### Ch 145100 (725.5MHz)

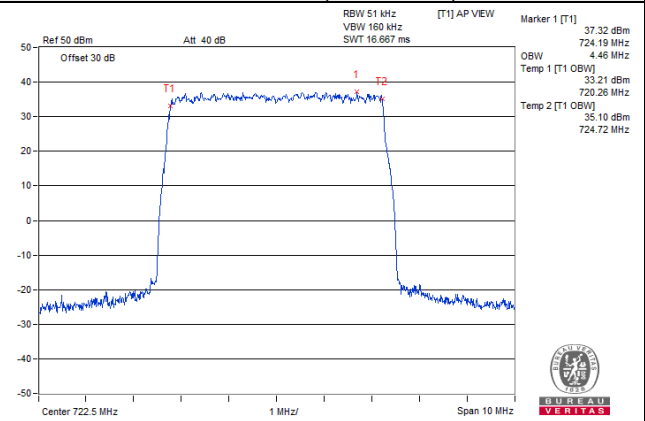
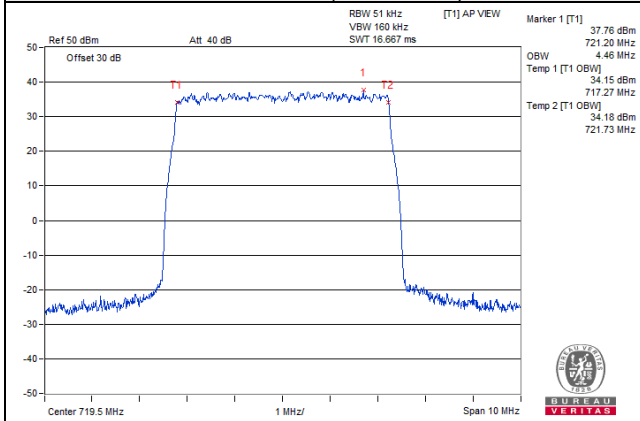


256QAM

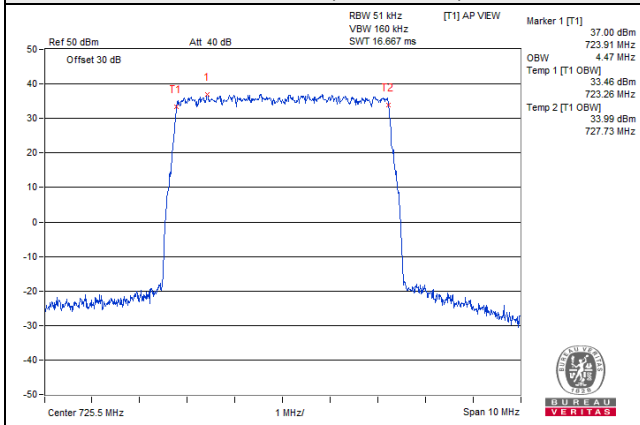
OCP 99 Bandwidth

Ch 143900 (719.5MHz)

Ch 144500 (722.5MHz)



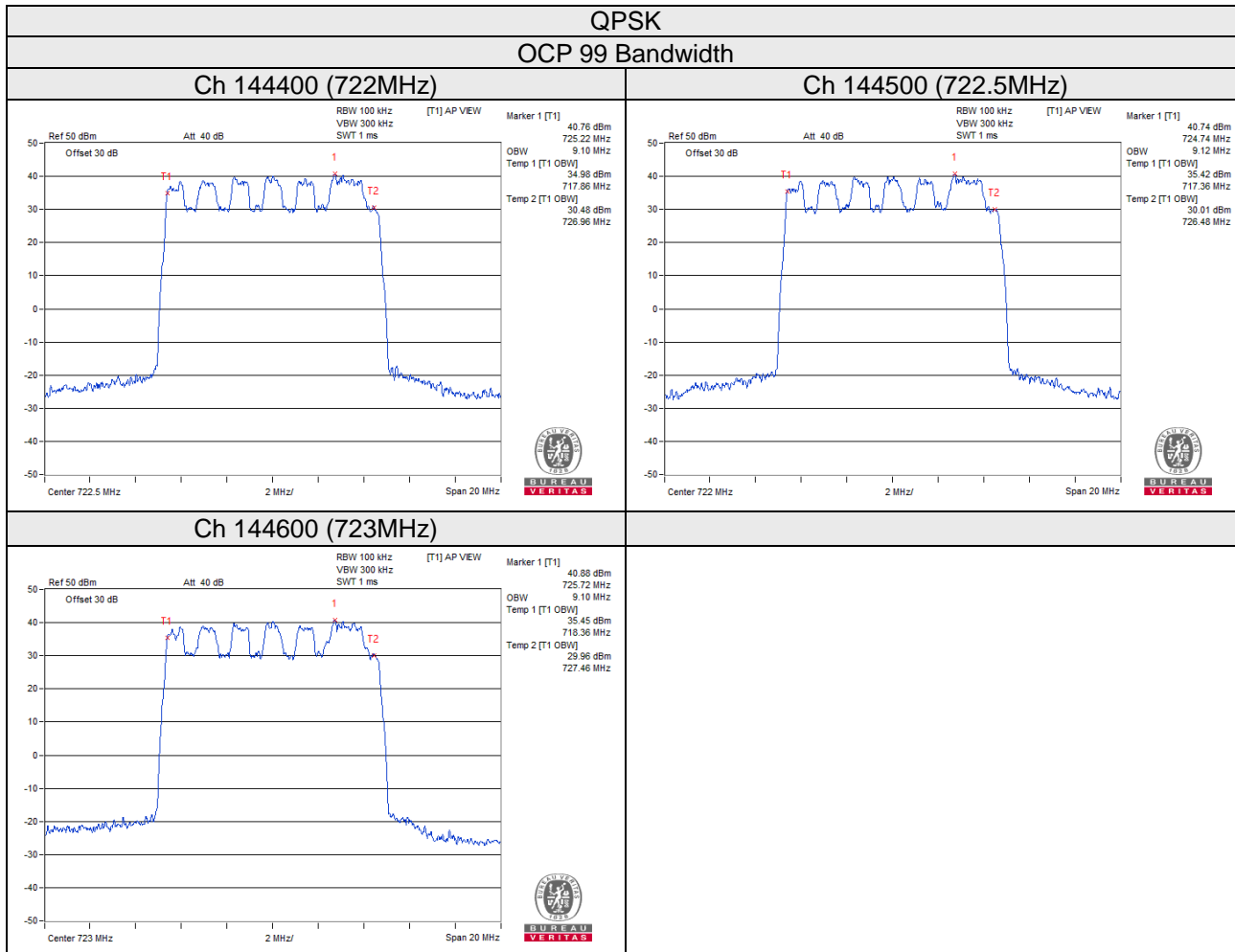
Ch 145100 (725.5MHz)



### 10MHz

Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)							
		ANT0				ANT1			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
144400	722	9.10	9.22	9.26	9.24	9.12	9.22	9.28	9.26
144500	722.5	9.12	9.22	9.28	9.24	9.12	9.22	9.28	9.26
144600	723	9.10	9.22	9.26	9.28	9.10	9.22	9.28	9.28

### ANT0

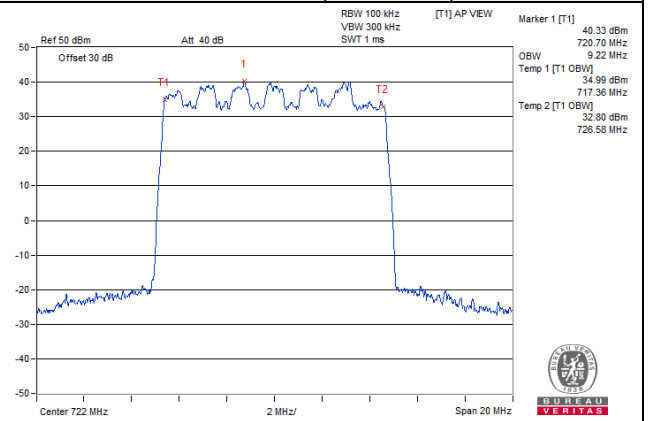
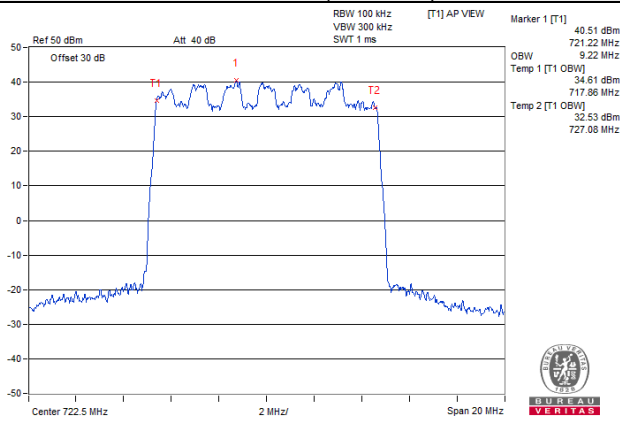


# 16QAM

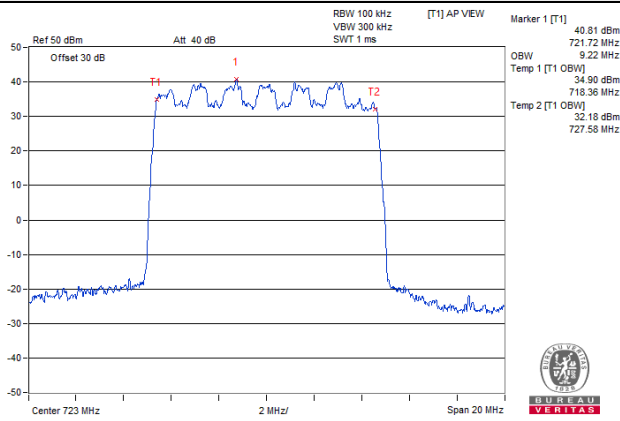
## OCP 99 Bandwidth

### Ch 144400 (722MHz)

### Ch 144500 (722.5MHz)



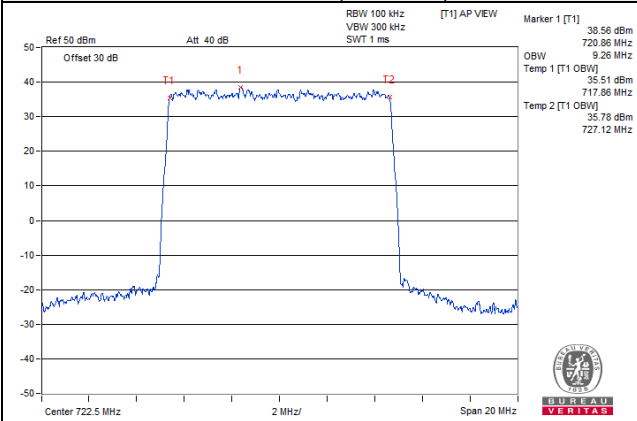
### Ch 144600 (723MHz)



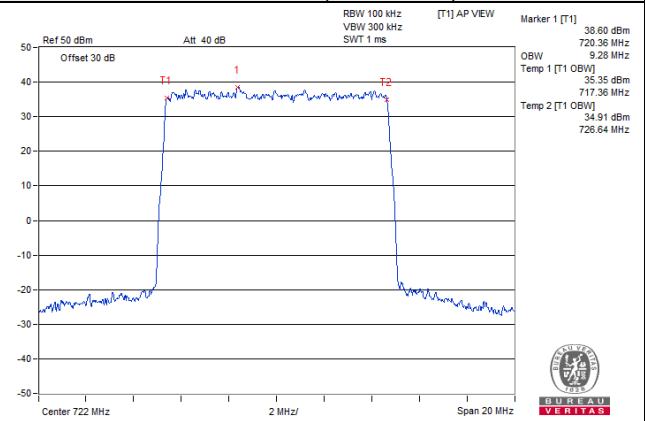
### 64QAM

### OCP 99 Bandwidth

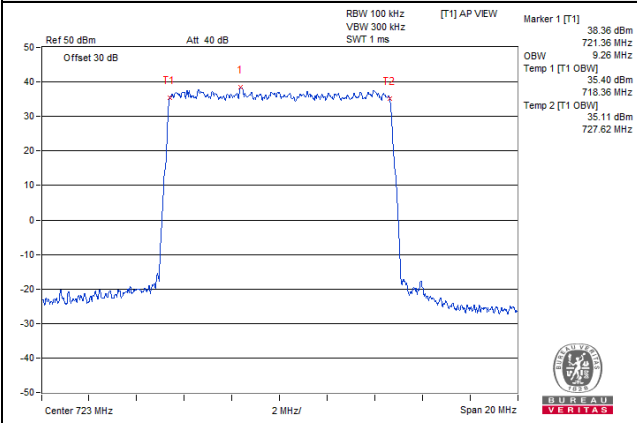
#### Ch 144400 (722MHz)



#### Ch 144500 (722.5MHz)



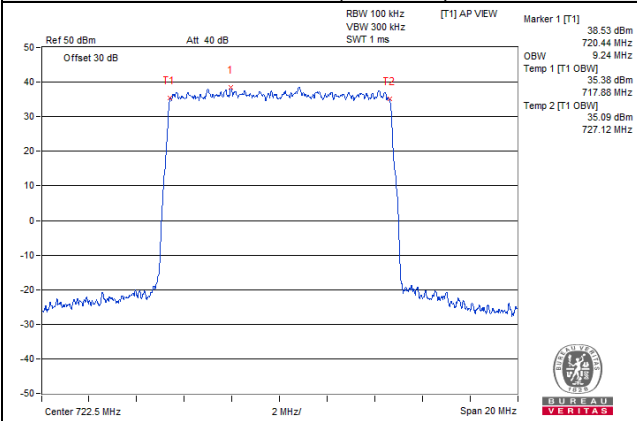
#### Ch 144600 (723MHz)



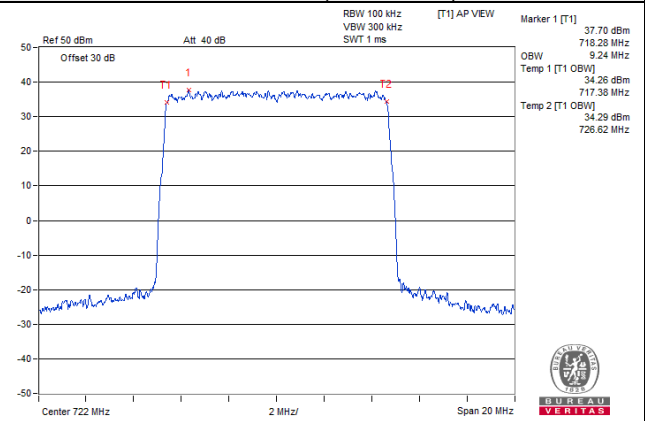
## 256QAM

### OCP 99 Bandwidth

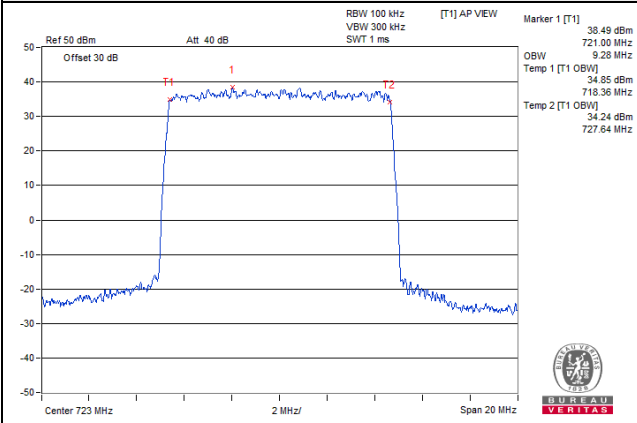
#### Ch 144400 (722MHz)



#### Ch 144500 (722.5MHz)



#### Ch 144600 (723MHz)

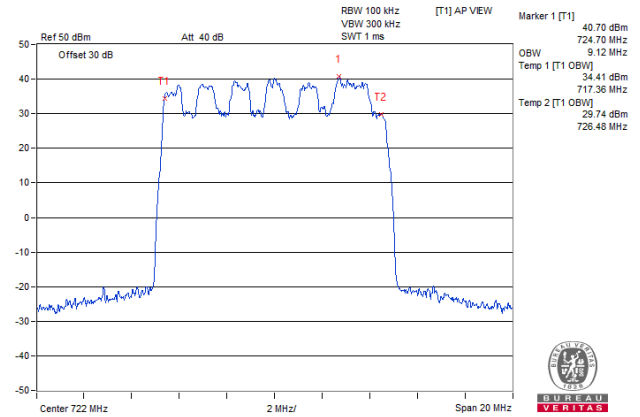
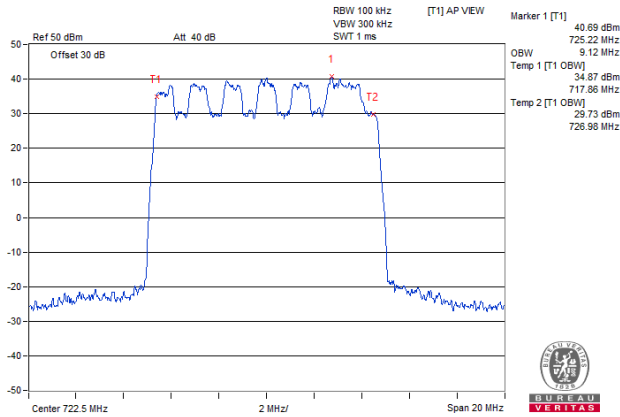


ANT1

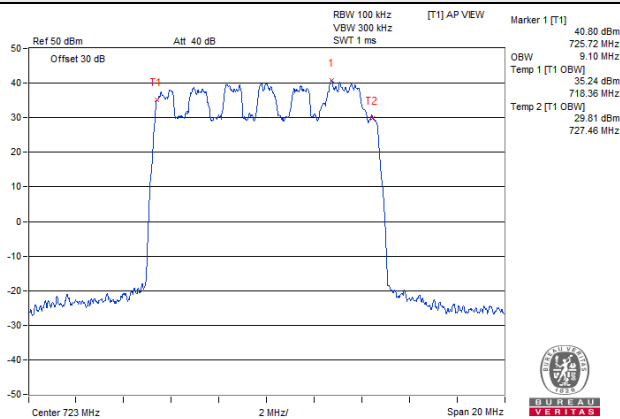
**QPSK**  
**OCP 99 Bandwidth**

**Ch 144400 (722MHz)**

**Ch 144500 (722.5MHz)**



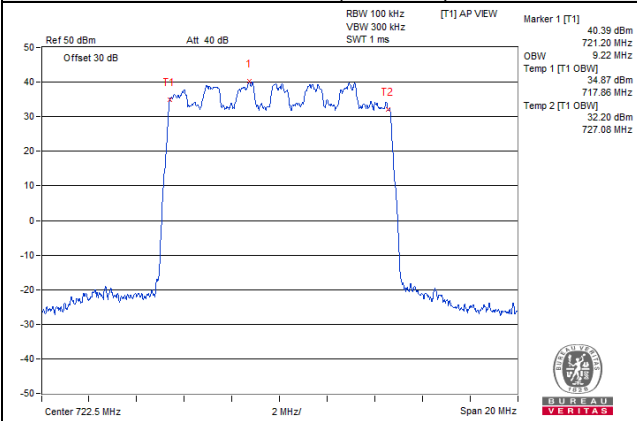
**Ch 144600 (723MHz)**



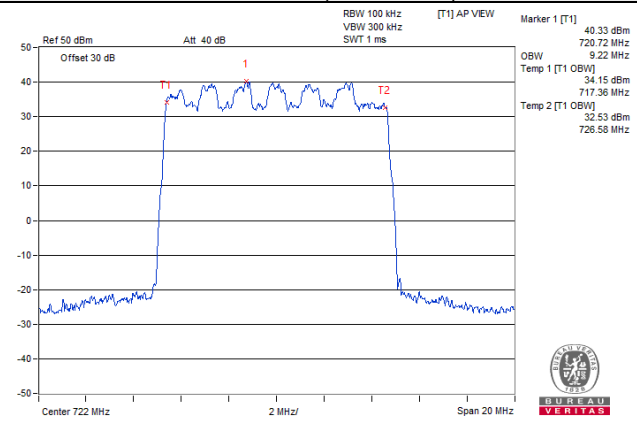
# 16QAM

## OCP 99 Bandwidth

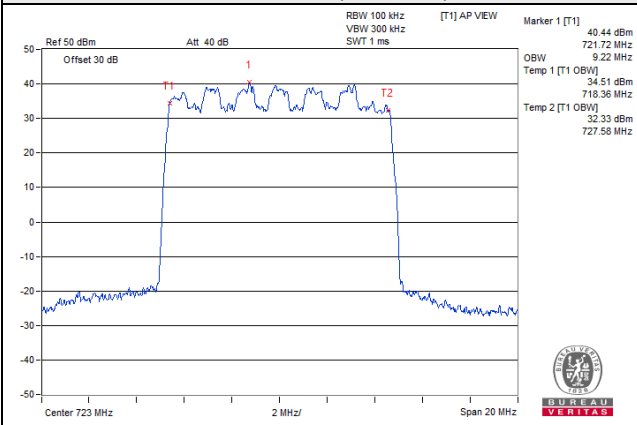
### Ch 144400 (722MHz)



### Ch 144500 (722.5MHz)



### Ch 144600 (723MHz)

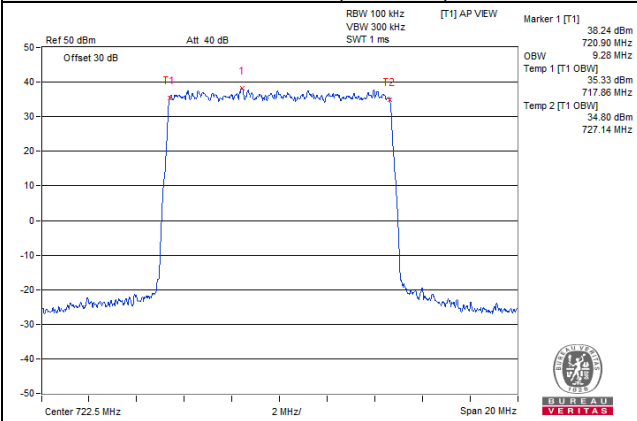




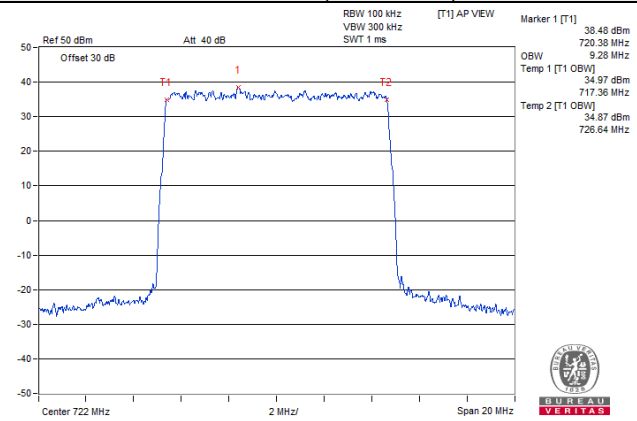
## 64QAM

### OCP 99 Bandwidth

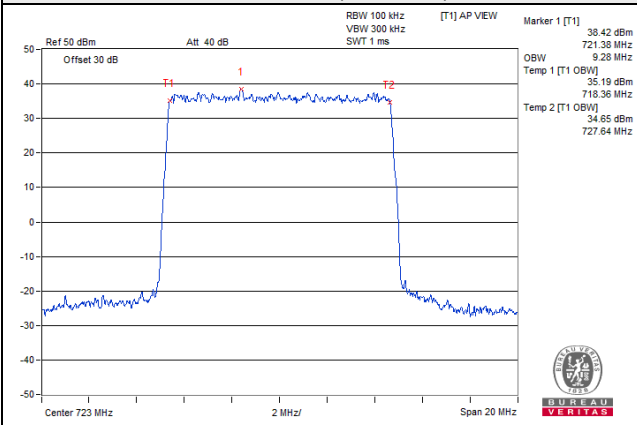
#### Ch 144400 (722MHz)



#### Ch 144500 (722.5MHz)



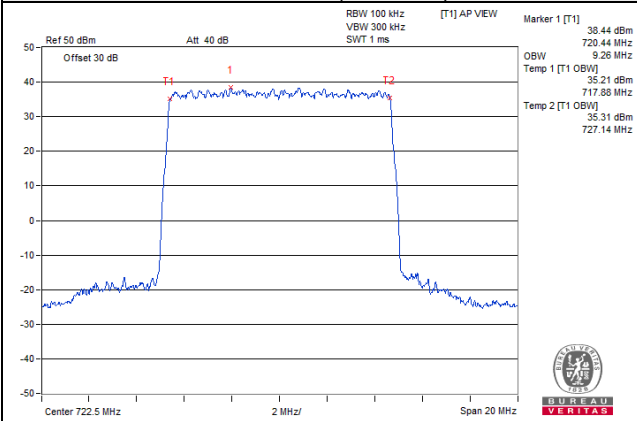
#### Ch 144600 (723MHz)



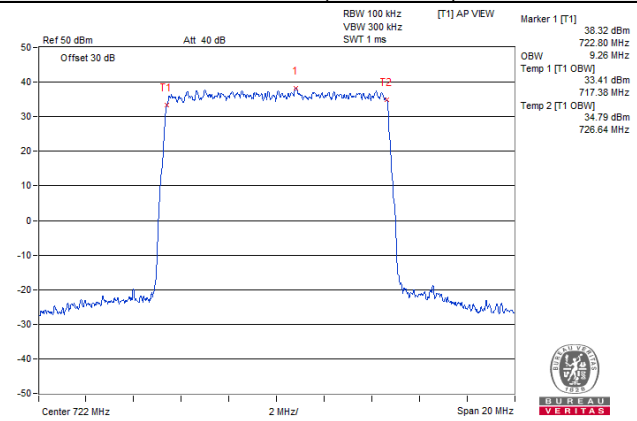
## 256QAM

### OCP 99 Bandwidth

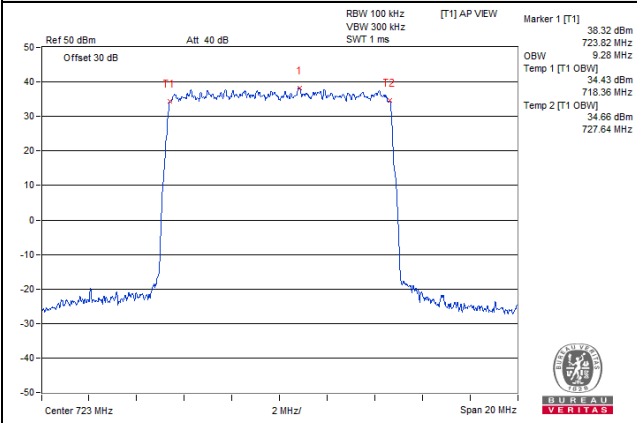
#### Ch 144400 (722MHz)



#### Ch 144500 (722.5MHz)



#### Ch 144600 (723MHz)

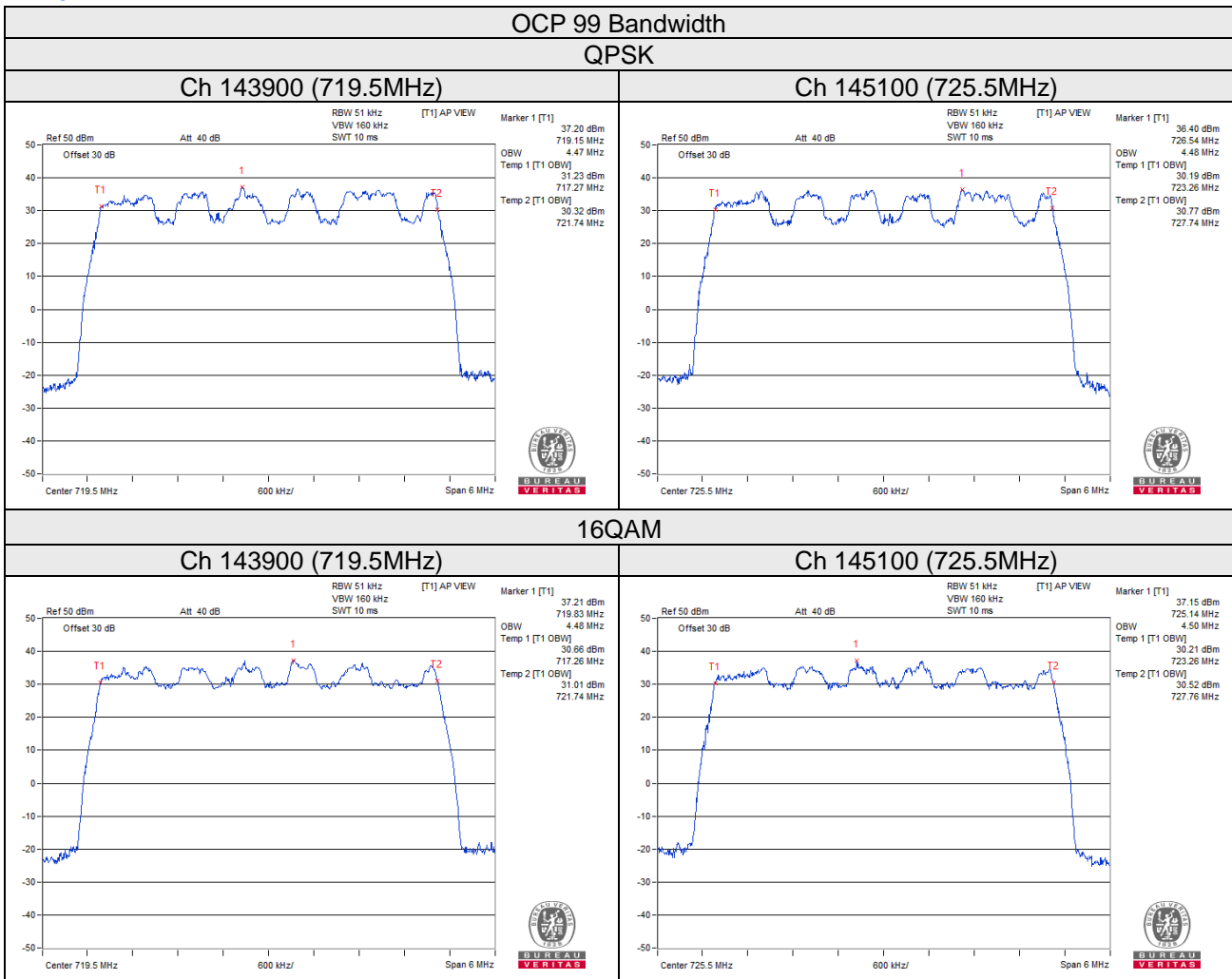


## CA-NC Non-Contiguous

### 5MHz+5MHz

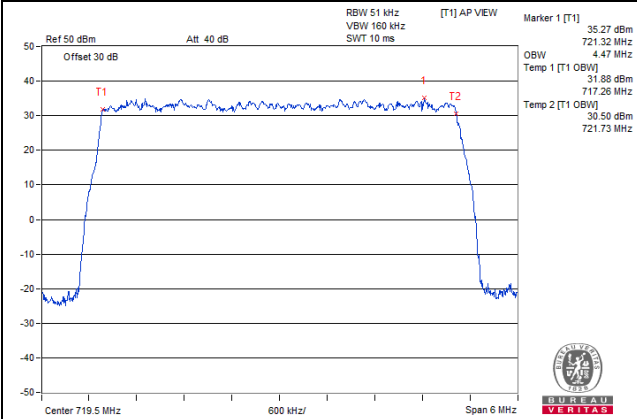
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)							
		ANT0				ANT1			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
143900 + 145100	719.5 + 725.5	4.47	4.48	4.47	4.46	4.48	4.47	4.47	4.46
		4.48	4.50	4.47	4.47	4.49	4.51	4.48	4.47

### ANT0

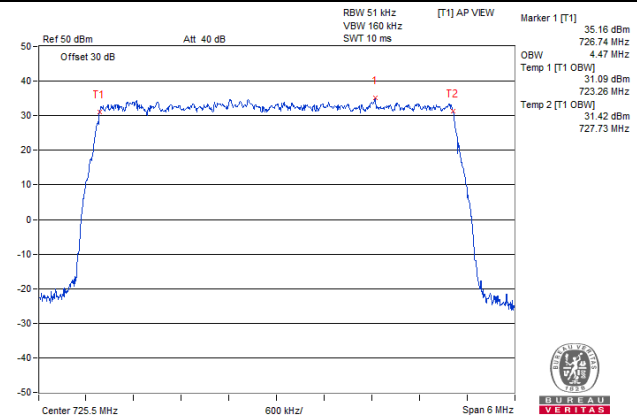


64QAM

Ch 143900 (719.5MHz)

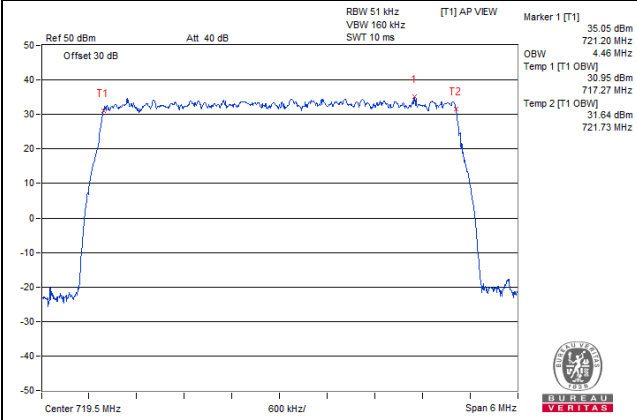


Ch 145100 (725.5MHz)

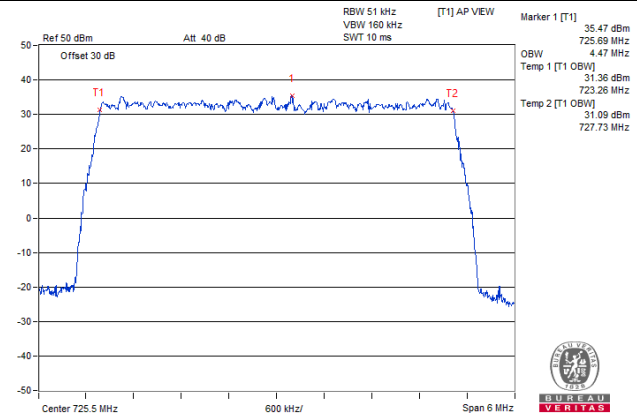


256QAM

Ch 143900 (719.5MHz)



Ch 145100 (725.5MHz)



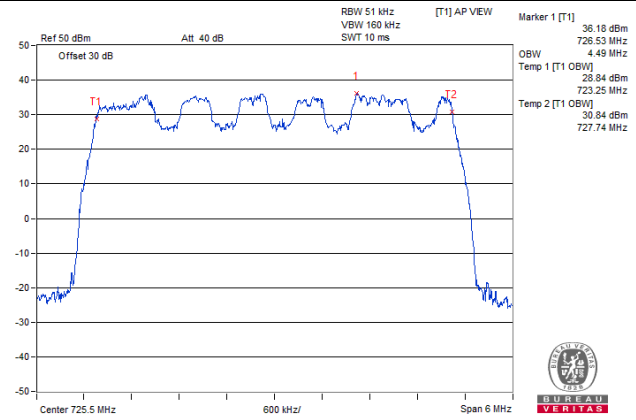
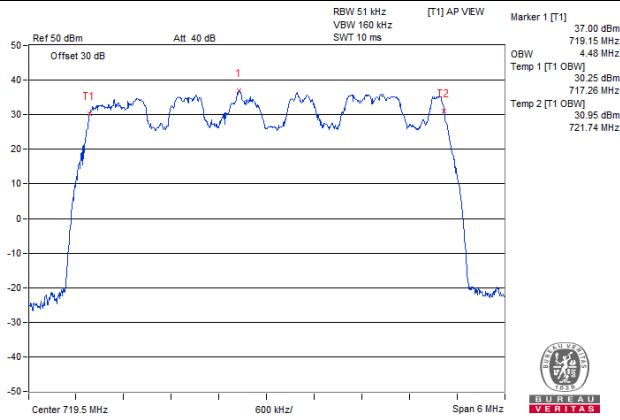
ANT1

OCP 99 Bandwidth

QPSK

Ch 143900 (719.5MHz)

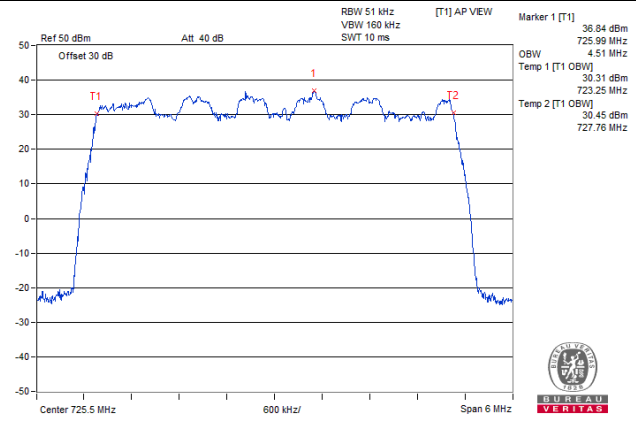
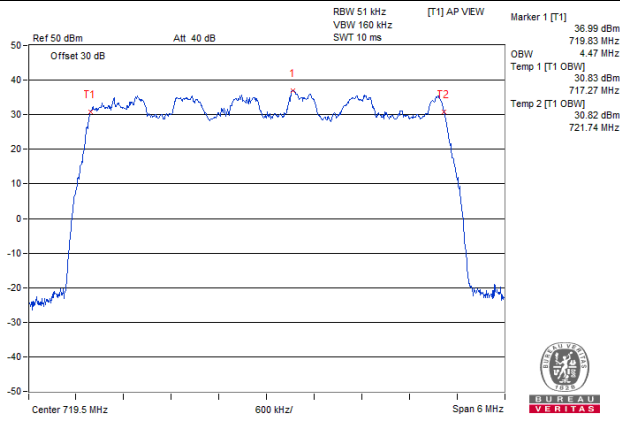
Ch 145100 (725.5MHz)



16QAM

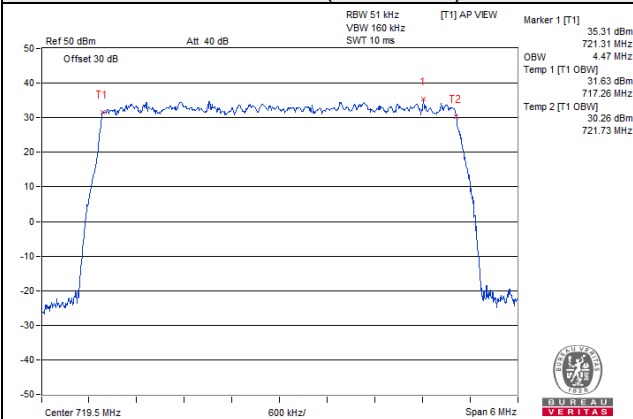
Ch 143900 (719.5MHz)

Ch 145100 (725.5MHz)

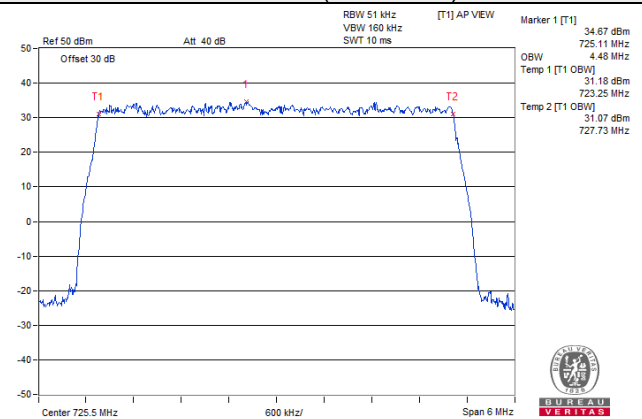


### 64QAM

#### Ch 143900 (719.5MHz)

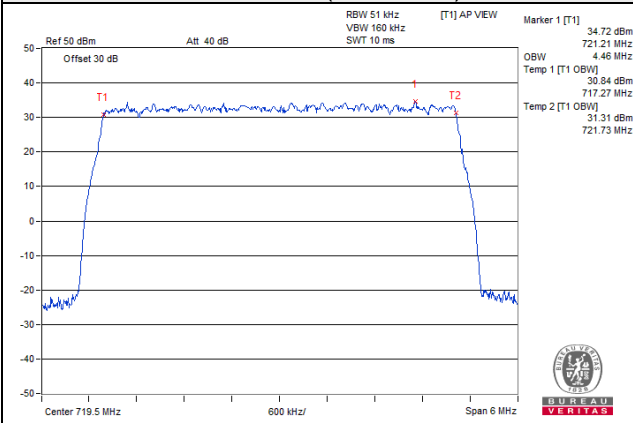


#### Ch 145100 (725.5MHz)

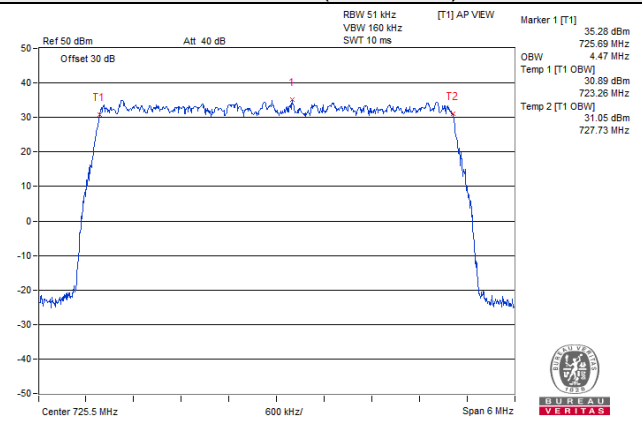


### 256QAM

#### Ch 143900 (719.5MHz)



#### Ch 145100 (725.5MHz)

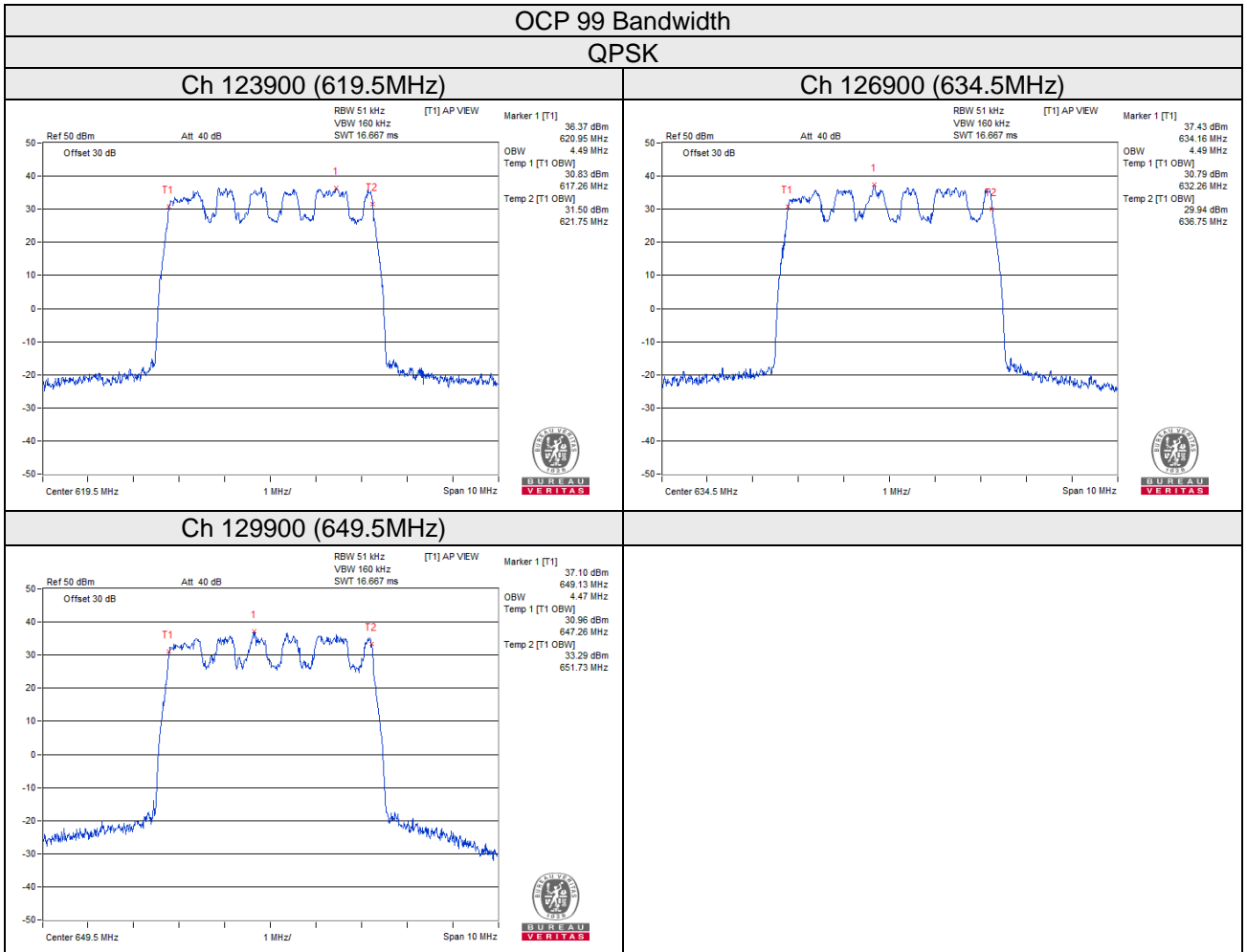


# Band n71 Single Carrier

## 5MHz

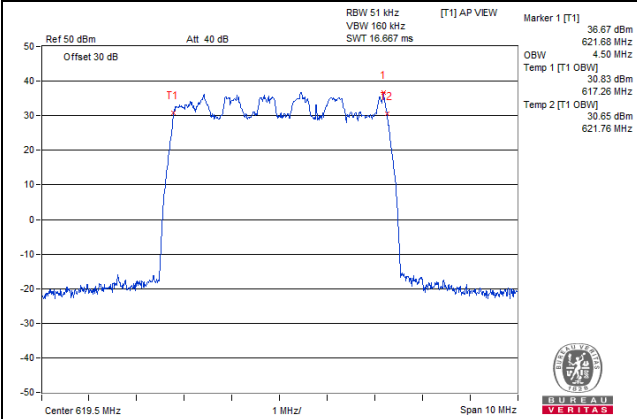
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
123900	619.5	4.49	4.50	4.48	4.47	4.49	4.50	4.48	4.47	4.50	4.50	4.47	4.47	4.49	4.50	4.48	4.47
126900	634.5	4.49	4.47	4.47	4.47	4.49	4.48	4.48	4.47	4.49	4.48	4.48	4.47	4.49	4.48	4.48	4.47
129900	649.5	4.47	4.49	4.48	4.47	4.48	4.49	4.46	4.47	4.47	4.49	4.46	4.47	4.48	4.49	4.47	4.47

## ANT0

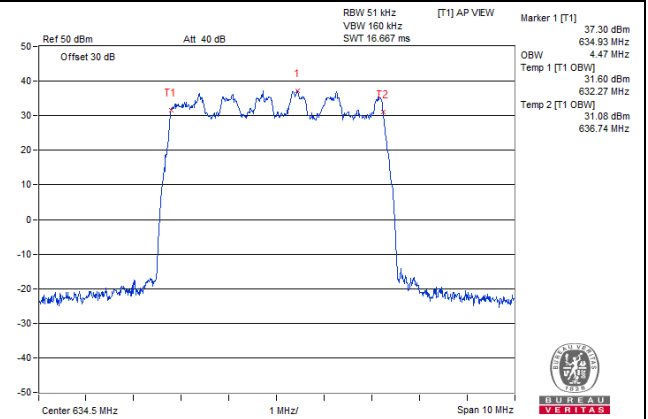


16QAM

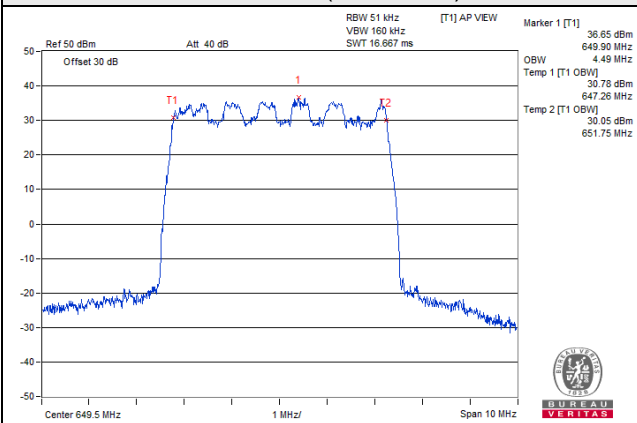
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)



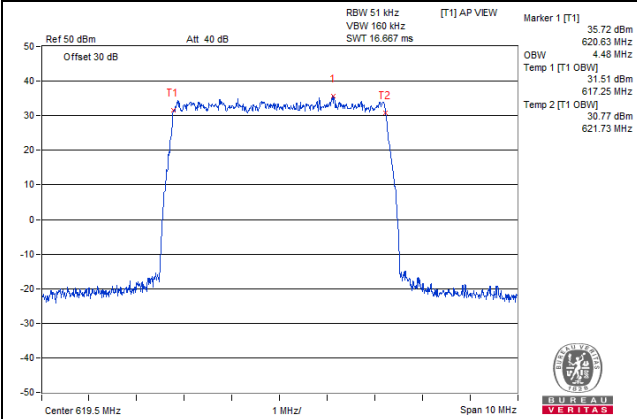
Ch 129900 (649.5MHz)



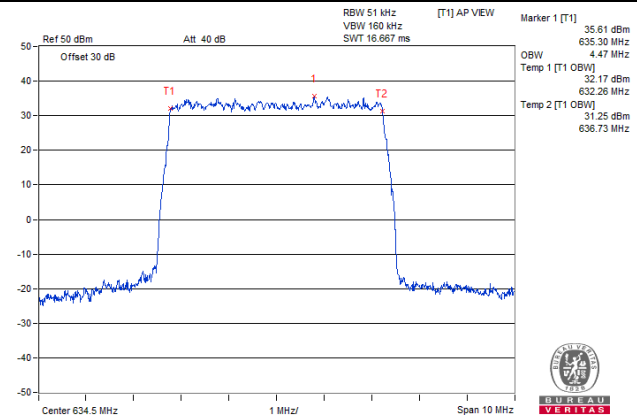


64QAM

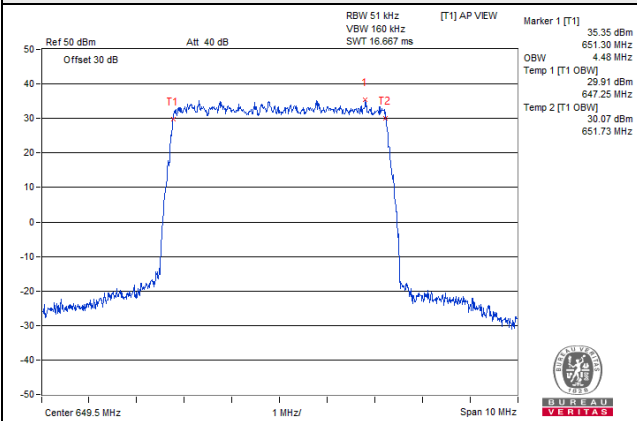
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)

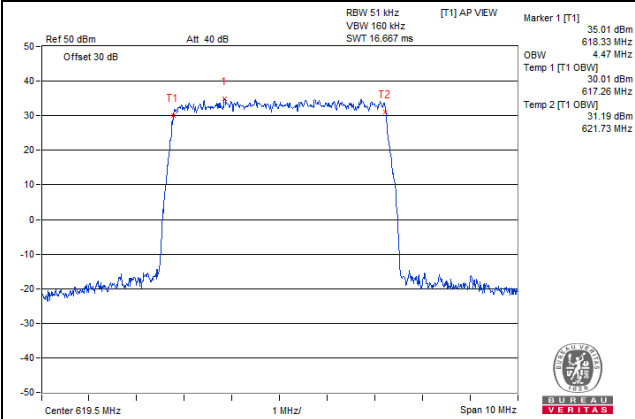


Ch 129900 (649.5MHz)

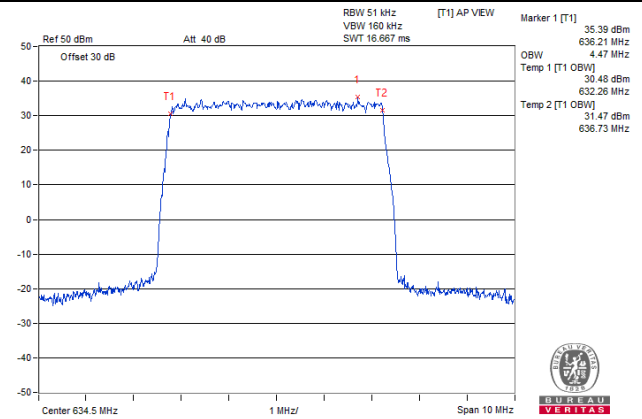


## 256QAM

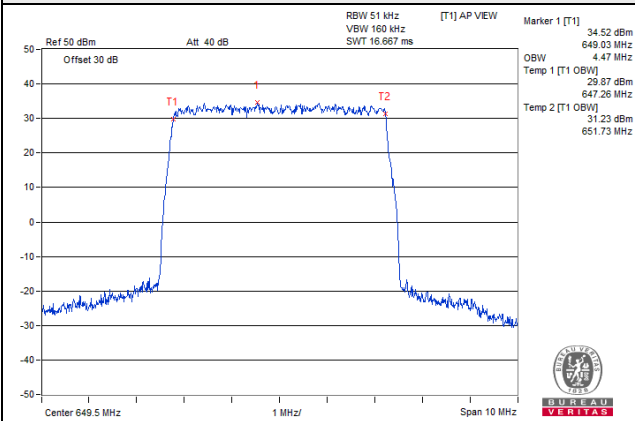
### Ch 123900 (619.5MHz)



### Ch 126900 (634.5MHz)



### Ch 129900 (649.5MHz)

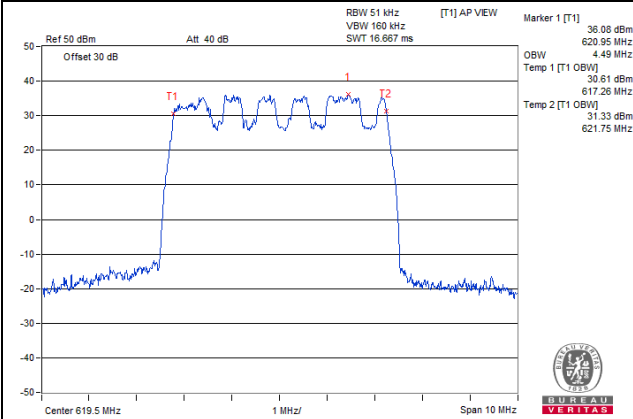


ANT1

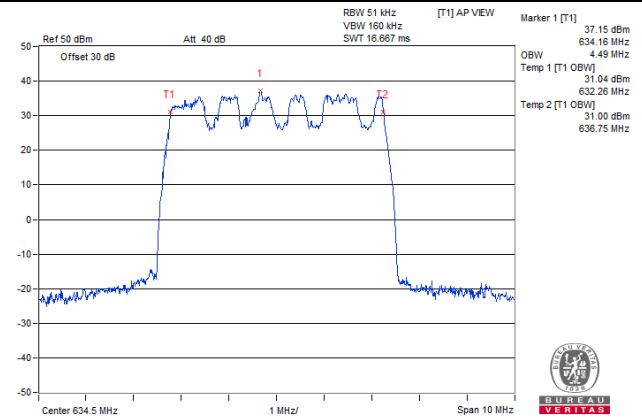
OCP 99 Bandwidth

QPSK

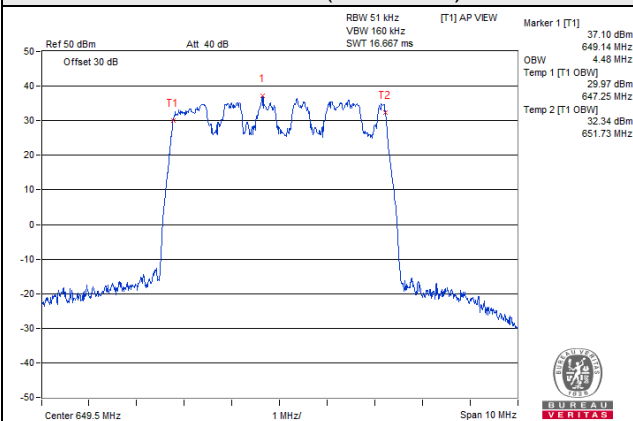
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)



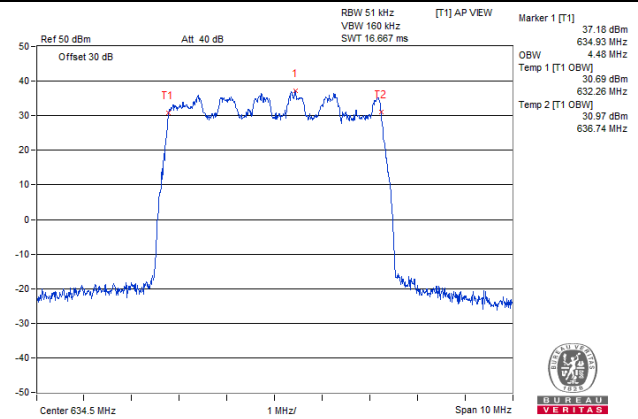
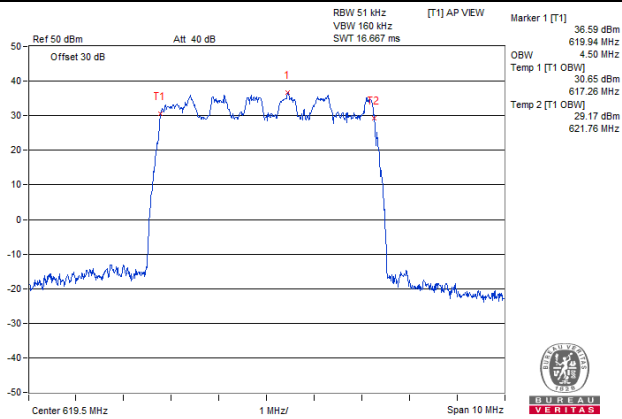
Ch 129900 (649.5MHz)



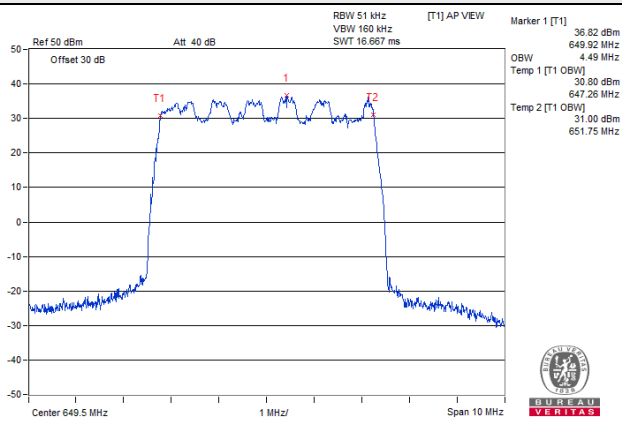
16QAM

Ch 123900 (619.5MHz)

Ch 126900 (634.5MHz)

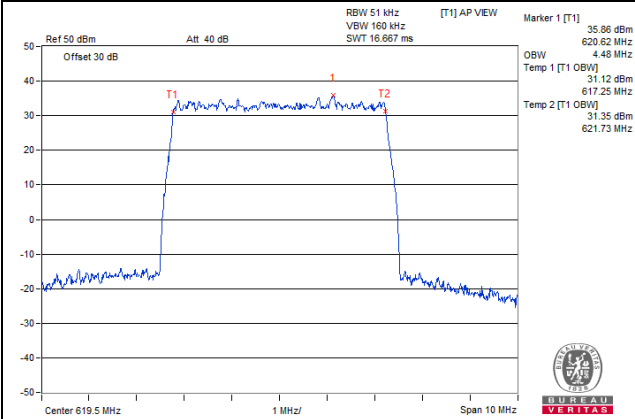


Ch 129900 (649.5MHz)

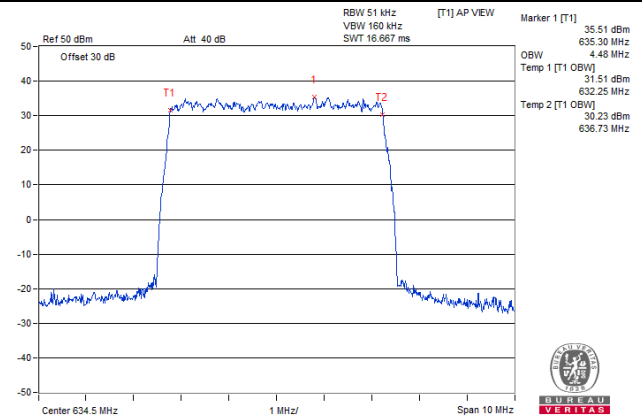


## 64QAM

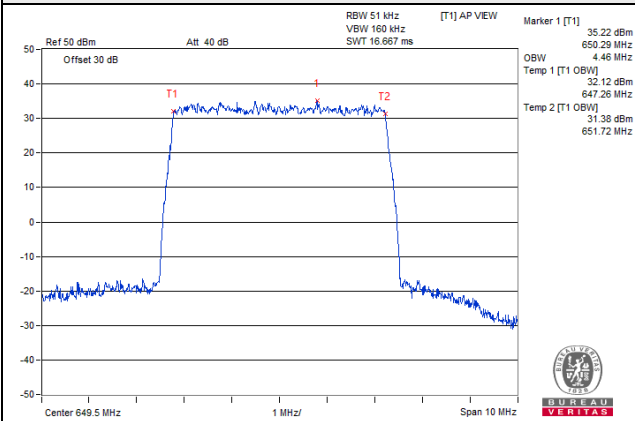
### Ch 123900 (619.5MHz)



### Ch 126900 (634.5MHz)

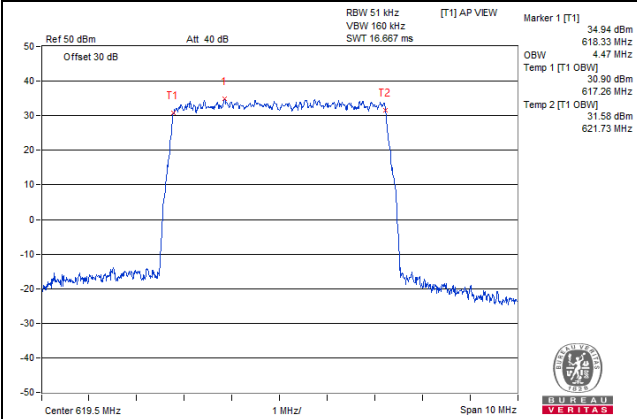


### Ch 129900 (649.5MHz)

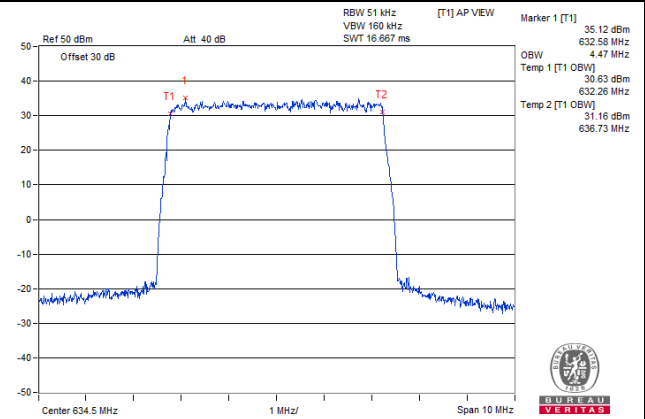


256QAM

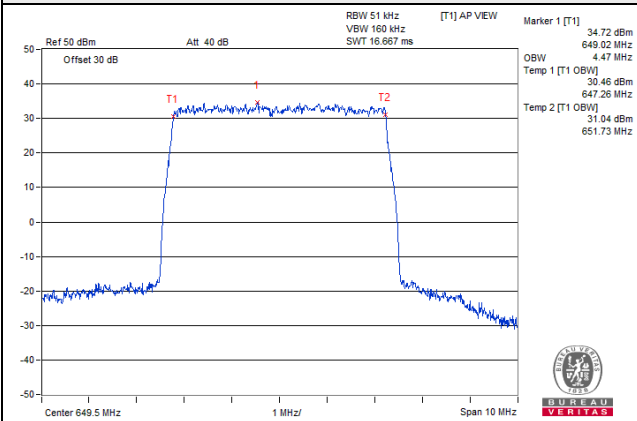
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)



Ch 129900 (649.5MHz)



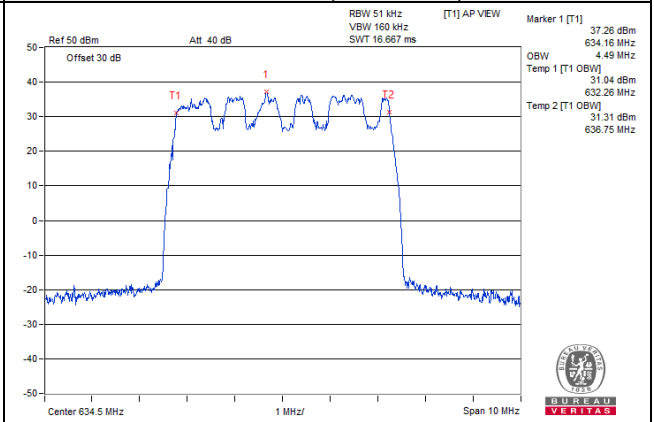
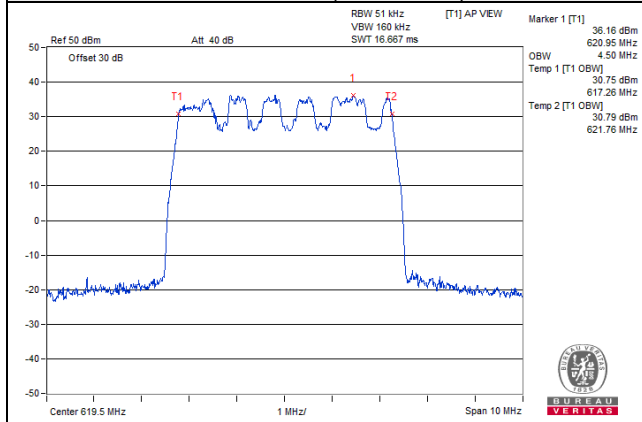
ANT2

OCP 99 Bandwidth

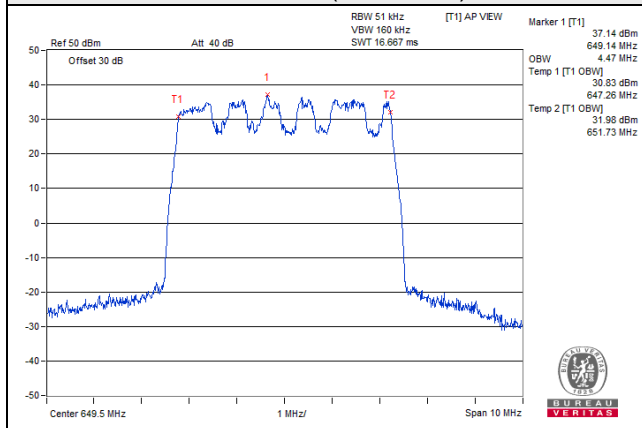
QPSK

Ch 123900 (619.5MHz)

Ch 126900 (634.5MHz)



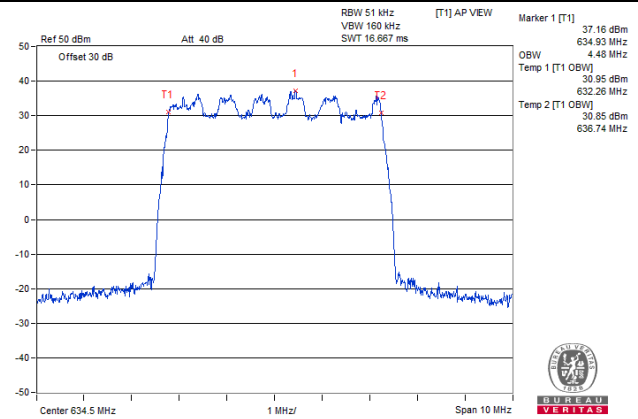
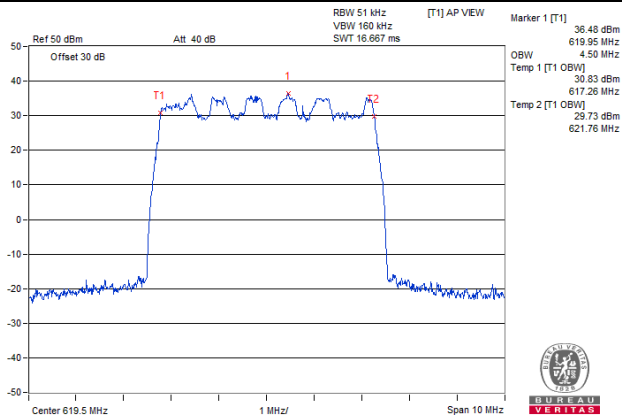
Ch 129900 (649.5MHz)



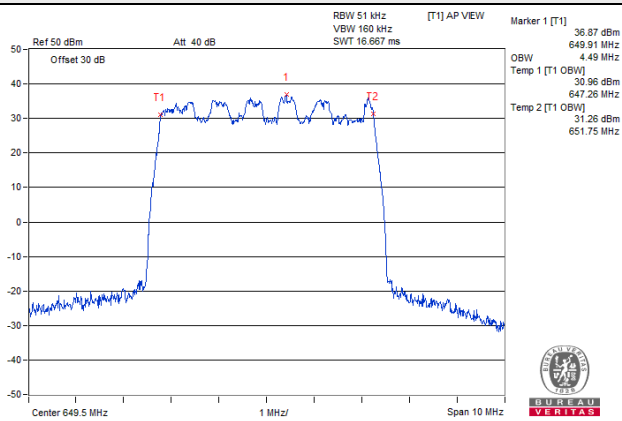
16QAM

Ch 123900 (619.5MHz)

Ch 126900 (634.5MHz)



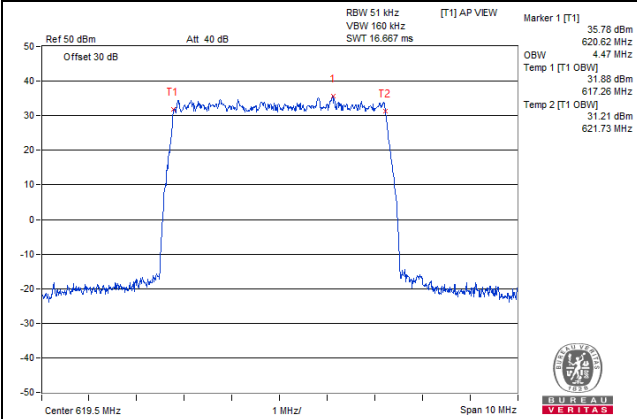
Ch 129900 (649.5MHz)



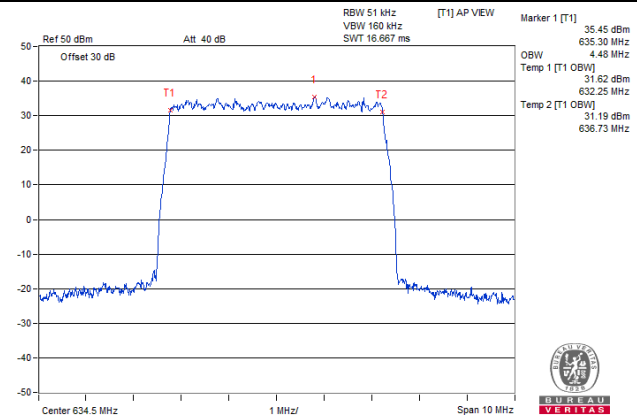


64QAM

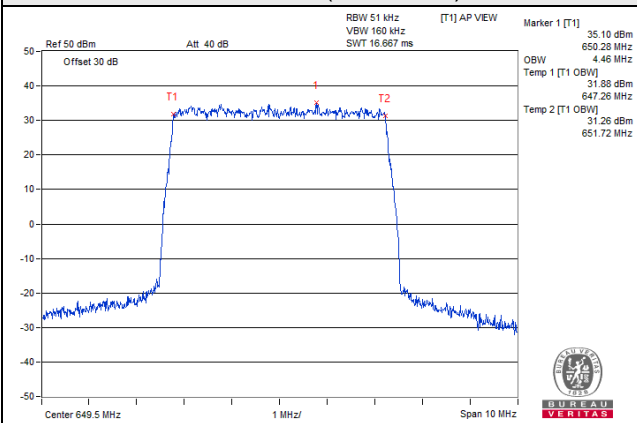
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)

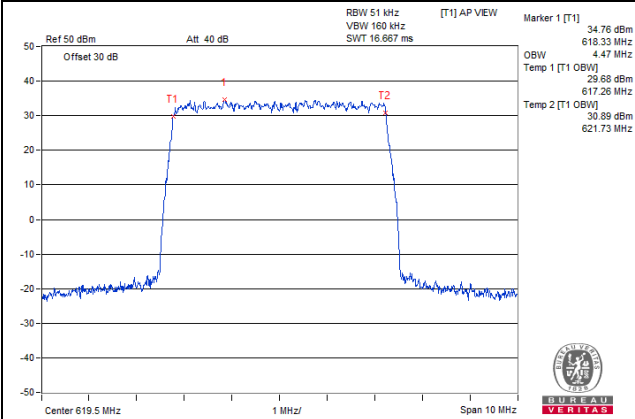


Ch 129900 (649.5MHz)

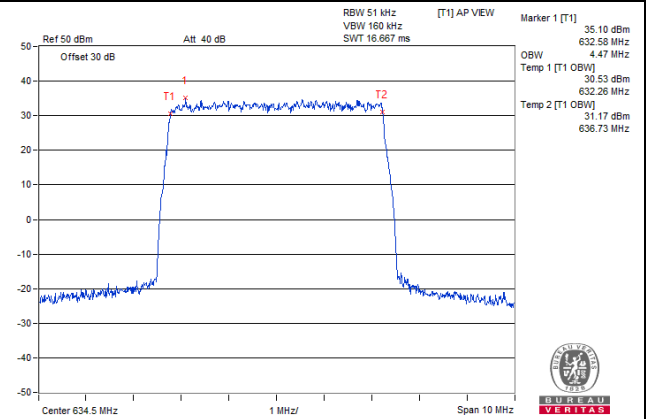


## 256QAM

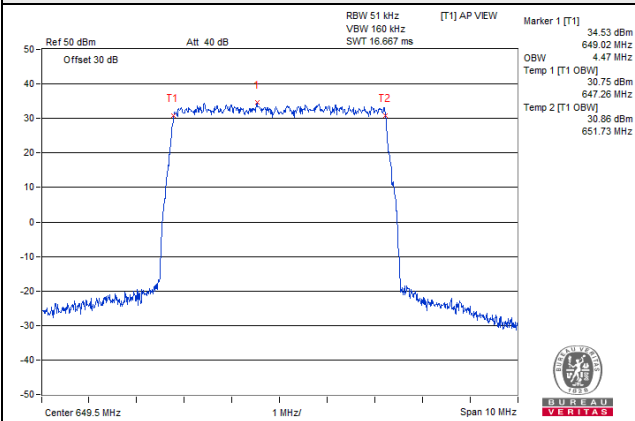
### Ch 123900 (619.5MHz)



### Ch 126900 (634.5MHz)



### Ch 129900 (649.5MHz)



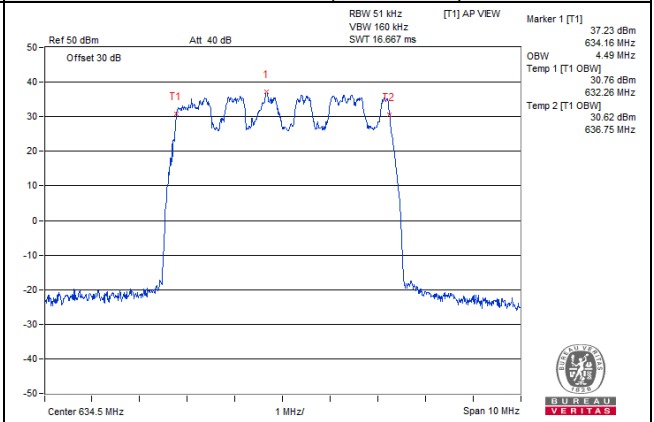
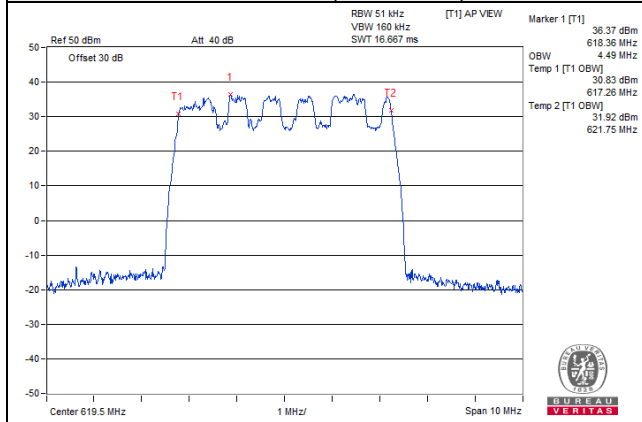
ANT3

OCP 99 Bandwidth

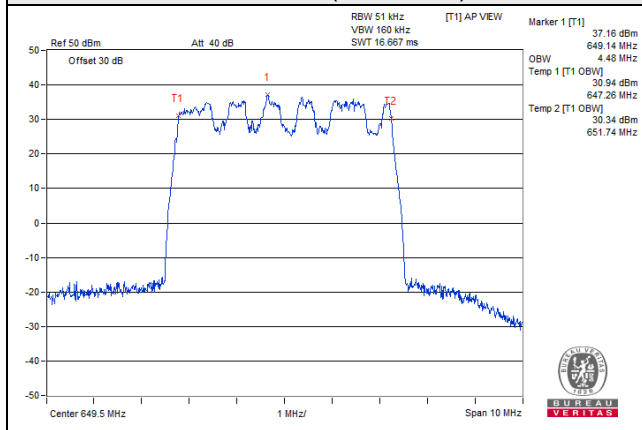
QPSK

Ch 123900 (619.5MHz)

Ch 126900 (634.5MHz)



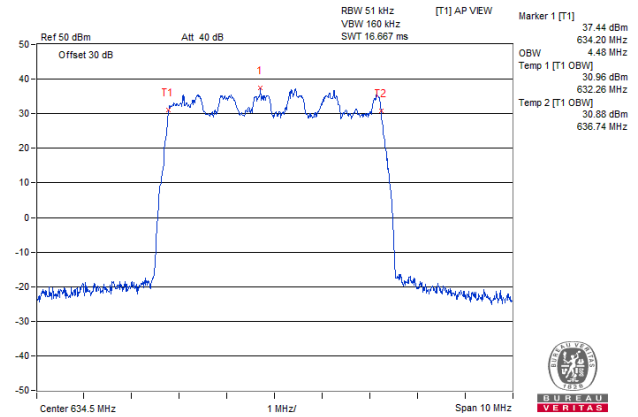
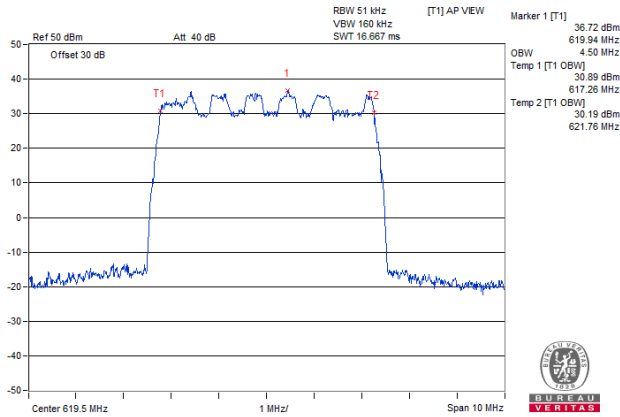
Ch 129900 (649.5MHz)



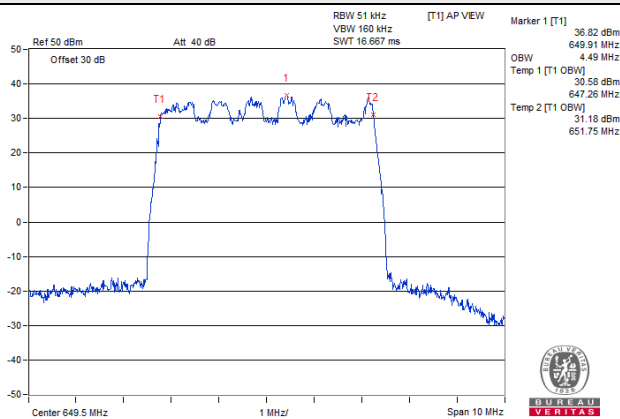
16QAM

Ch 123900 (619.5MHz)

Ch 126900 (634.5MHz)

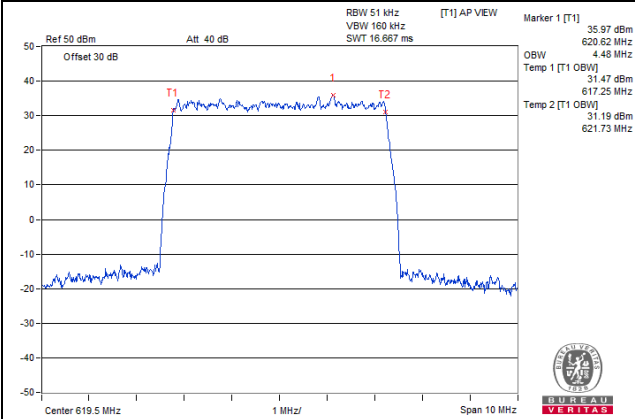


Ch 129900 (649.5MHz)

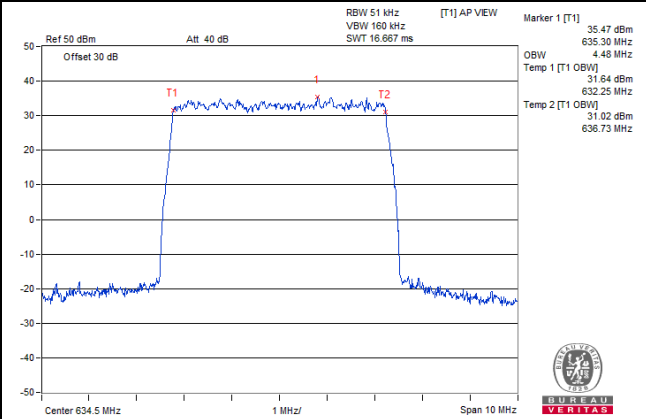


64QAM

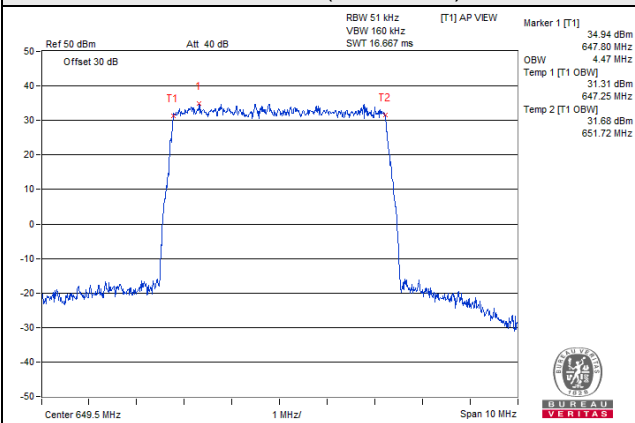
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)

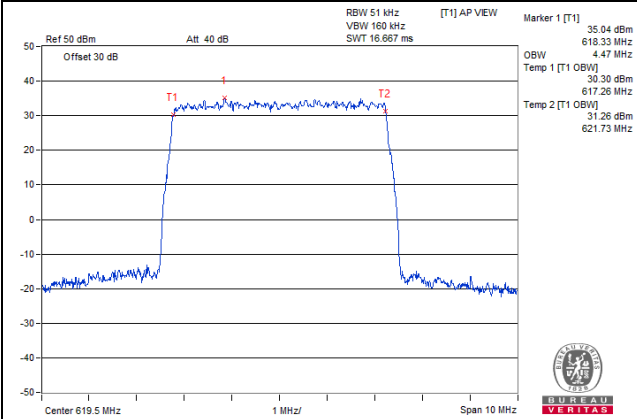


Ch 129900 (649.5MHz)

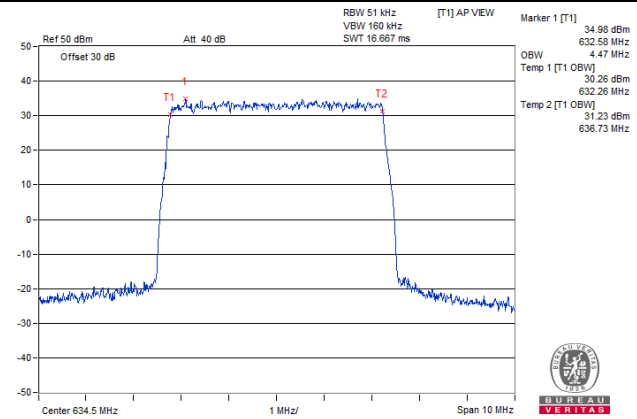


256QAM

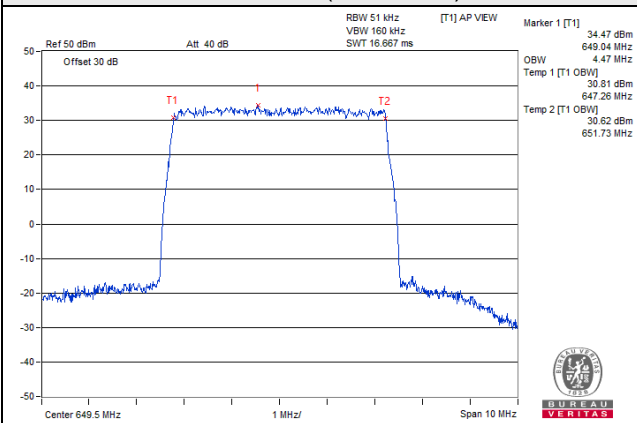
Ch 123900 (619.5MHz)



Ch 126900 (634.5MHz)



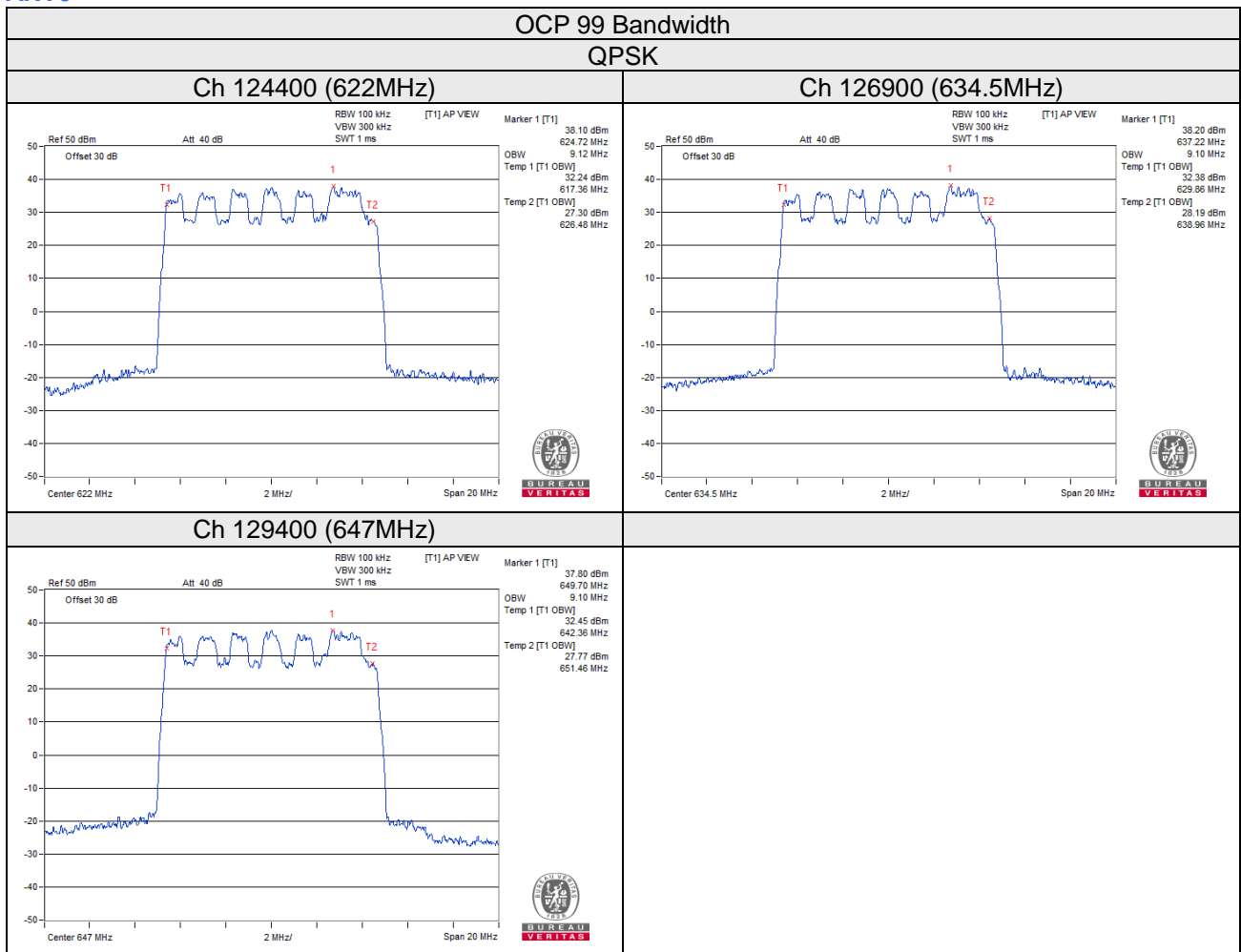
Ch 129900 (649.5MHz)



### 10MHz

Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
124400	622	9.12	9.22	9.28	9.26	9.12	9.22	9.28	9.26	9.12	9.22	9.26	9.28	9.12	9.20	9.28	9.28
126900	634.5	9.10	9.22	9.30	9.26	9.10	9.22	9.28	9.28	9.12	9.22	9.30	9.26	9.10	9.22	9.30	9.28
129400	647	9.10	9.20	9.28	9.26	9.10	9.20	9.26	9.26	9.08	9.20	9.28	9.28	9.08	9.20	9.28	9.26

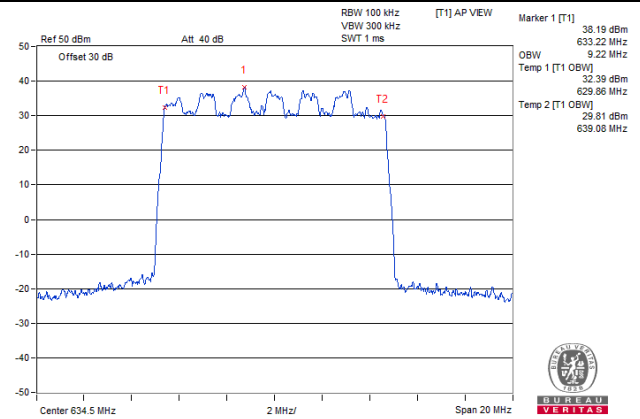
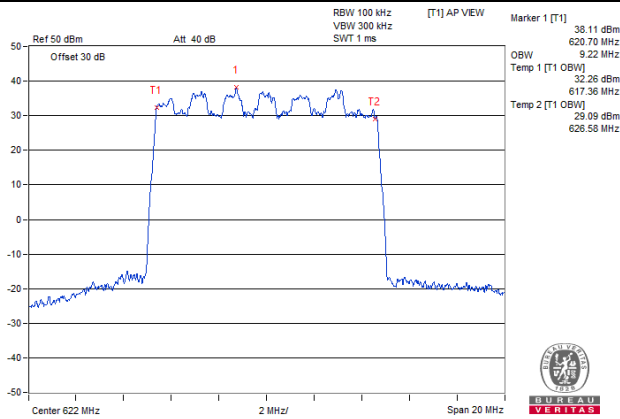
### ANT0



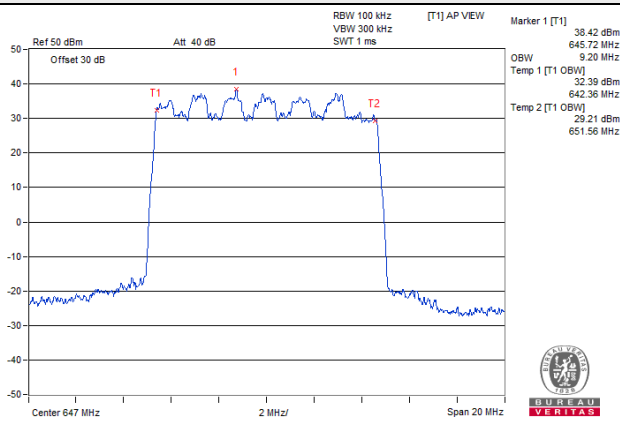
16QAM

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)



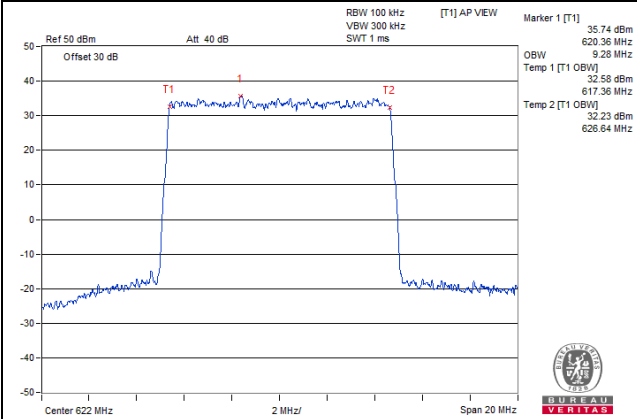
Ch 129400 (647MHz)



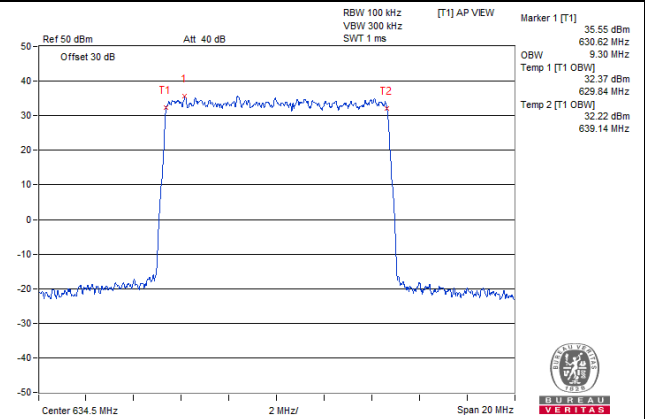


64QAM

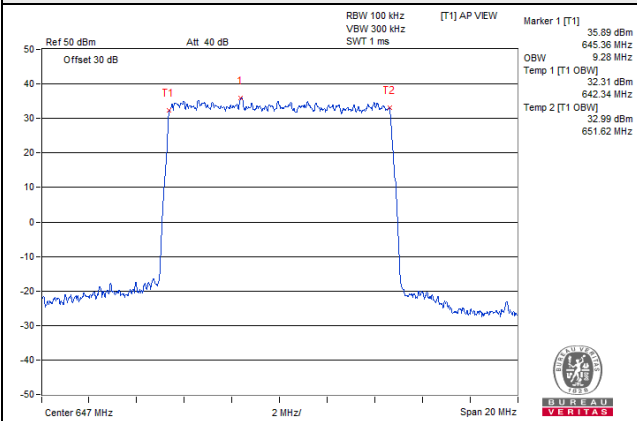
Ch 124400 (622MHz)



Ch 126900 (634.5MHz)



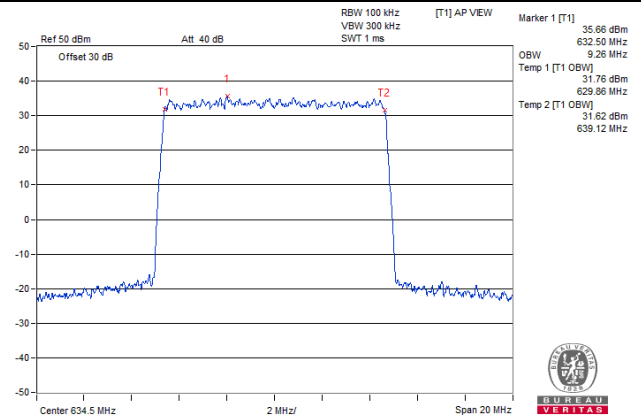
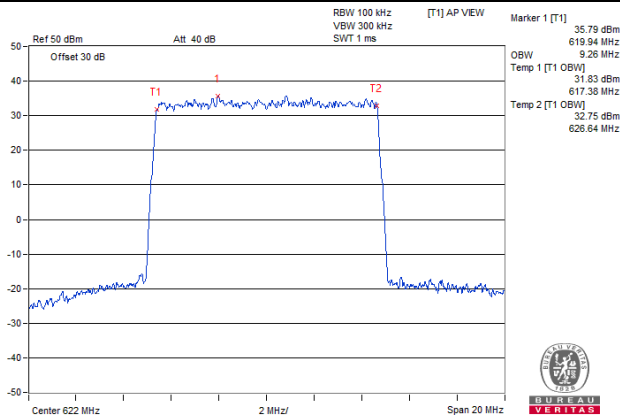
Ch 129400 (647MHz)



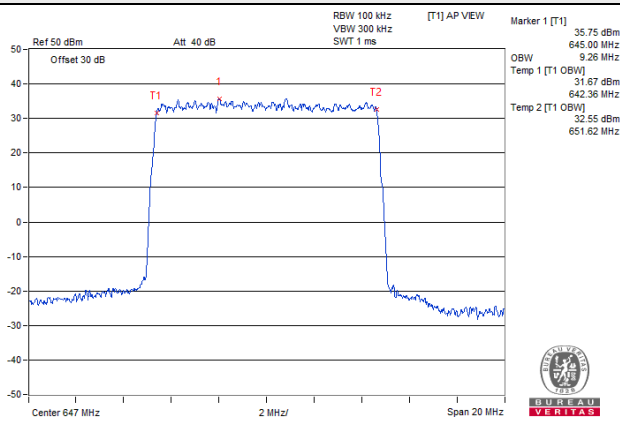
256QAM

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)



Ch 129400 (647MHz)

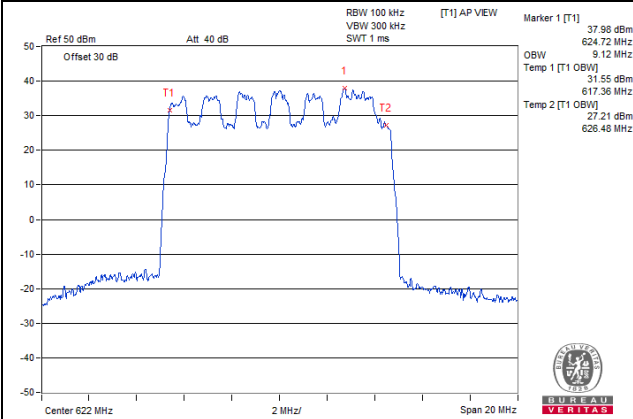


ANT1

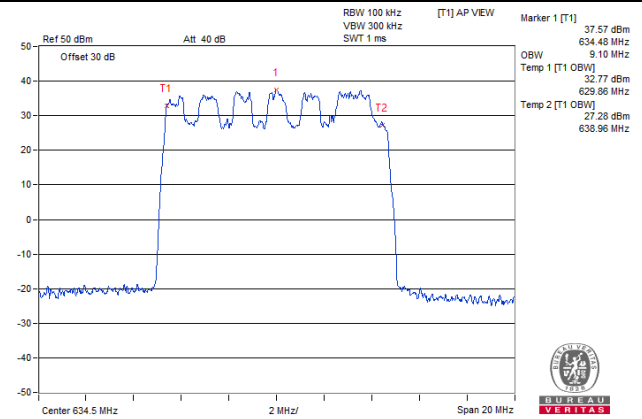
OCP 99 Bandwidth

QPSK

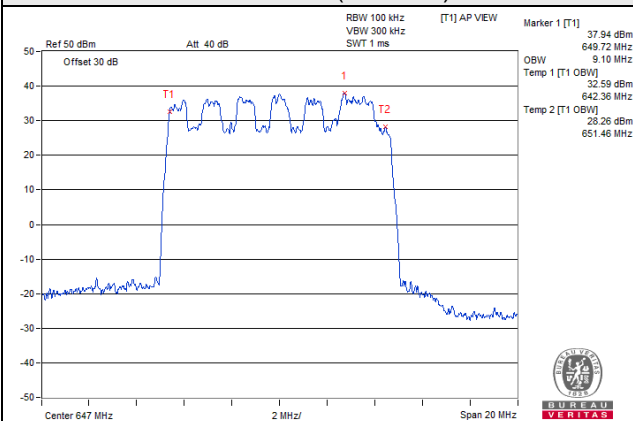
Ch 124400 (622MHz)



Ch 126900 (634.5MHz)



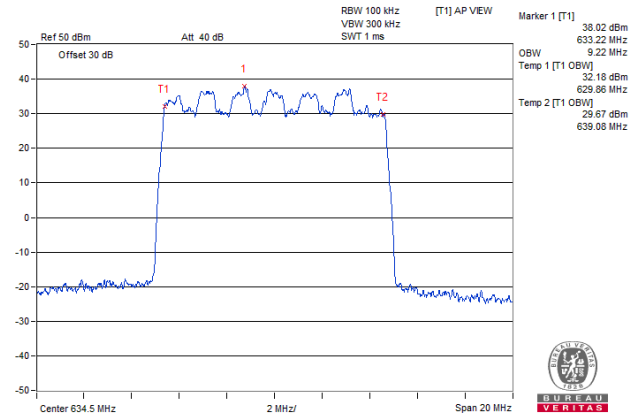
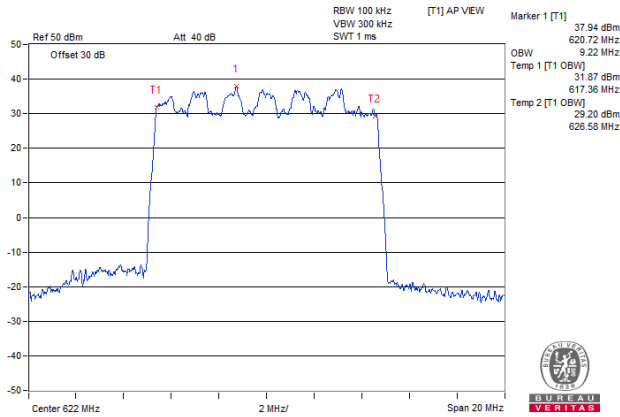
Ch 129400 (647MHz)



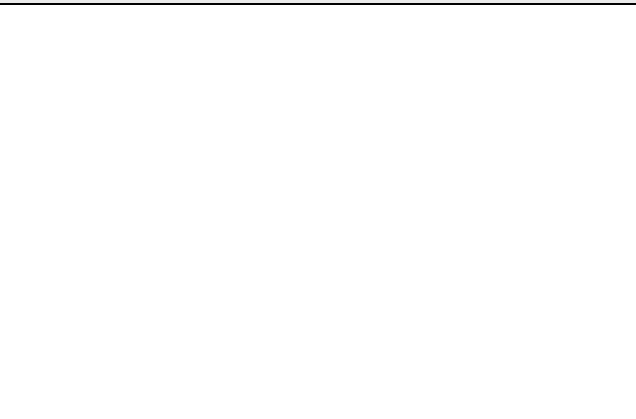
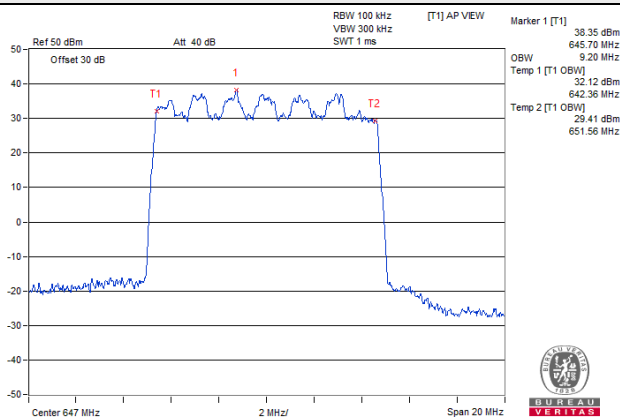
16QAM

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)

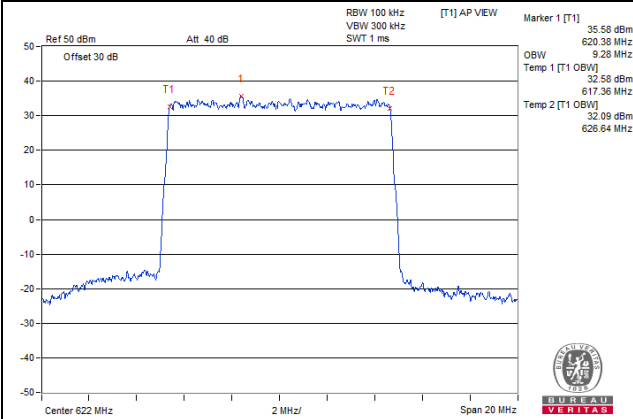


Ch 129400 (647MHz)

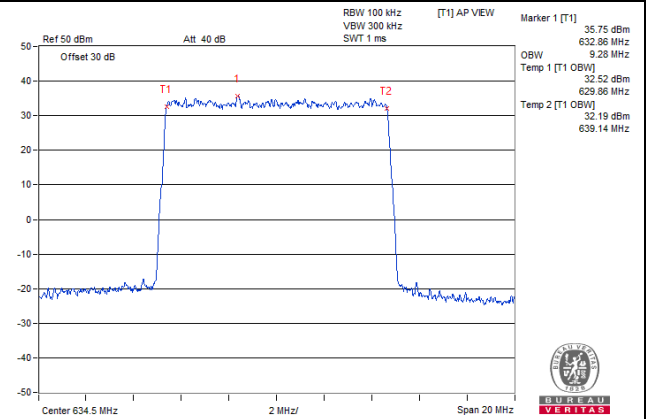


## 64QAM

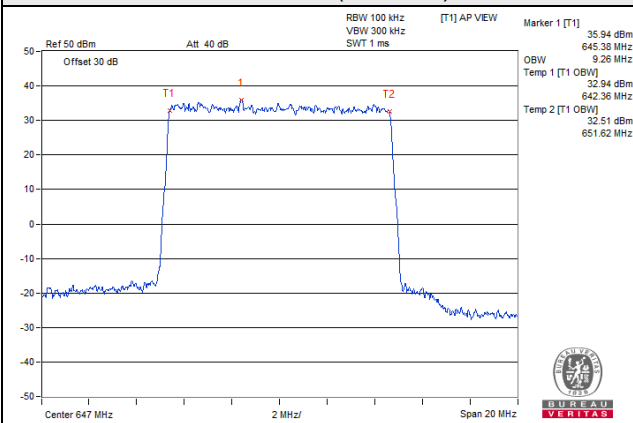
### Ch 124400 (622MHz)



### Ch 126900 (634.5MHz)

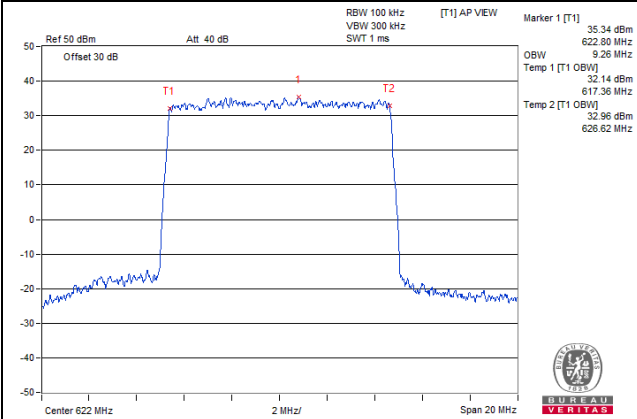


### Ch 129400 (647MHz)

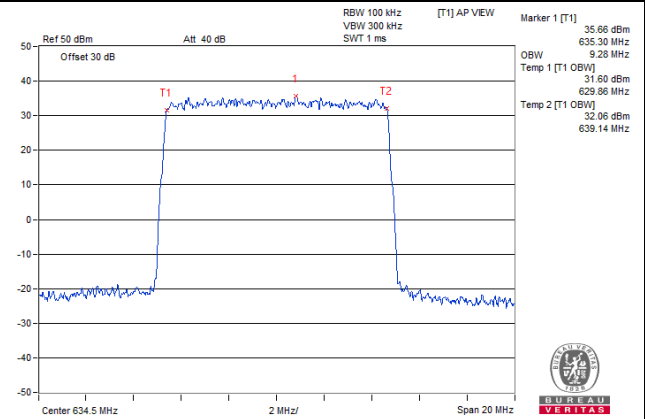


256QAM

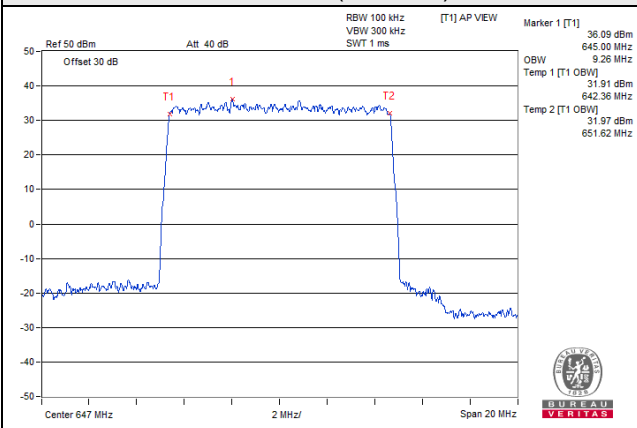
Ch 124400 (622MHz)



Ch 126900 (634.5MHz)



Ch 129400 (647MHz)



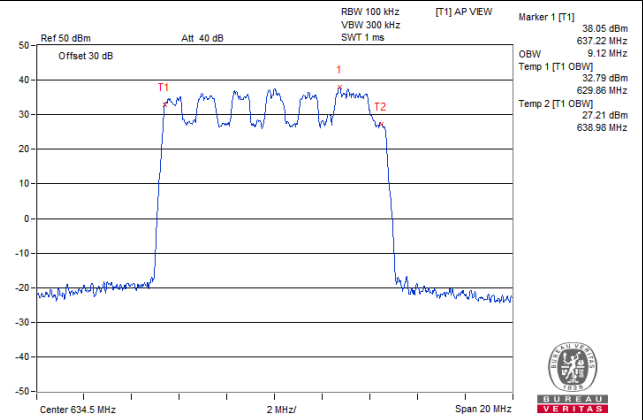
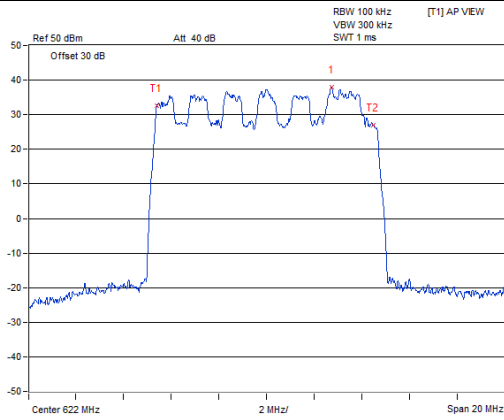
ANT2

OCP 99 Bandwidth

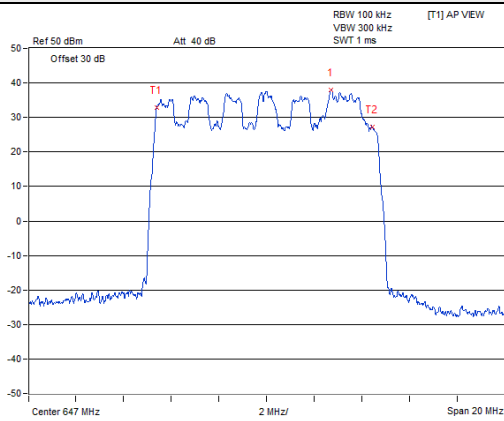
QPSK

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)



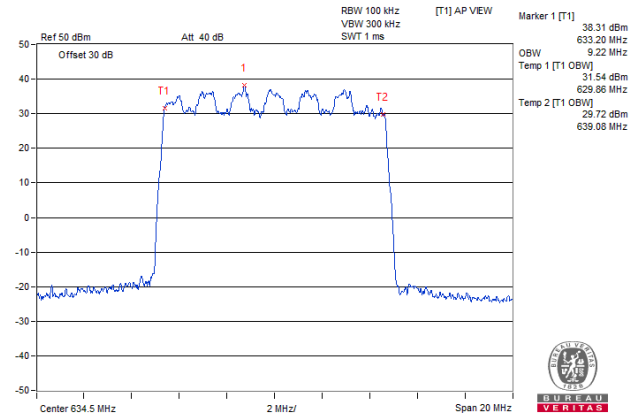
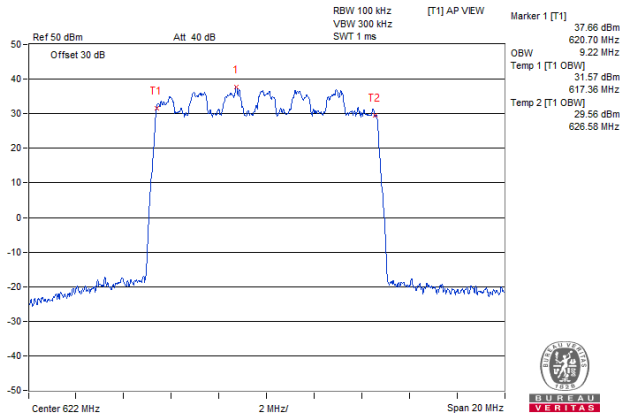
Ch 129400 (647MHz)



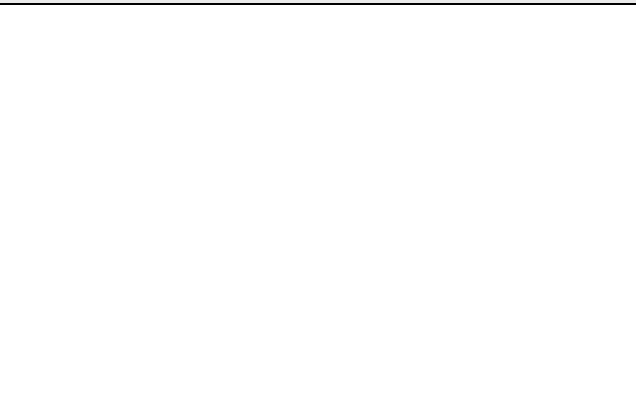
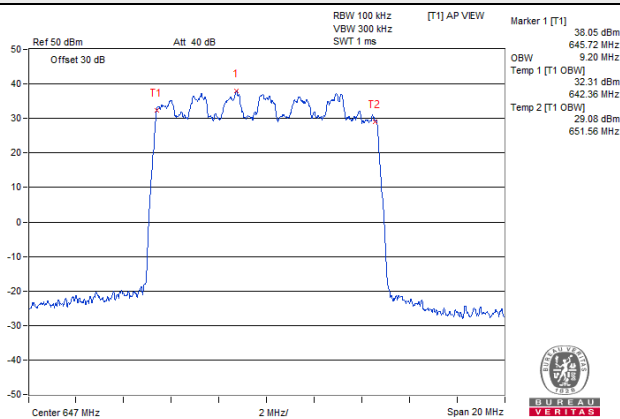
16QAM

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)



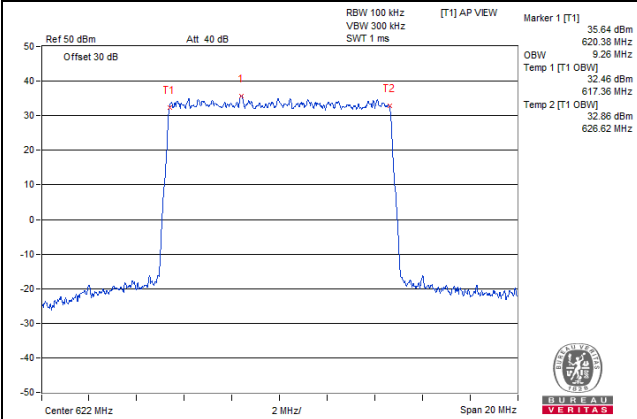
Ch 129400 (647MHz)



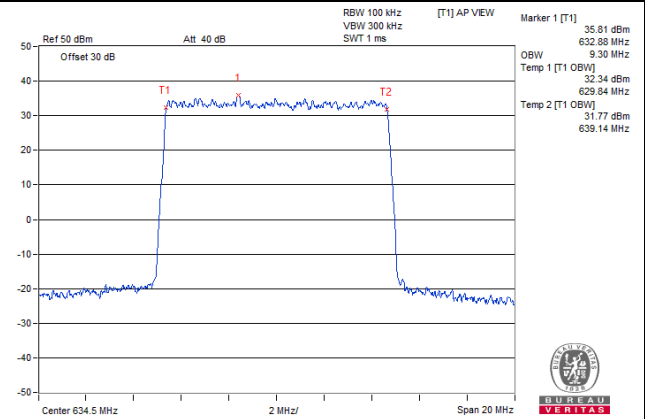


64QAM

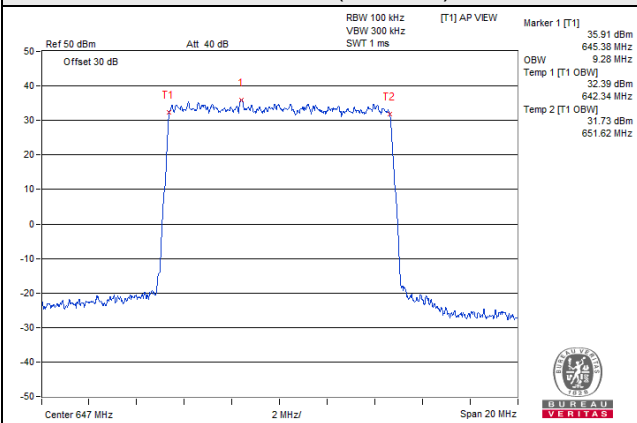
Ch 124400 (622MHz)



Ch 126900 (634.5MHz)



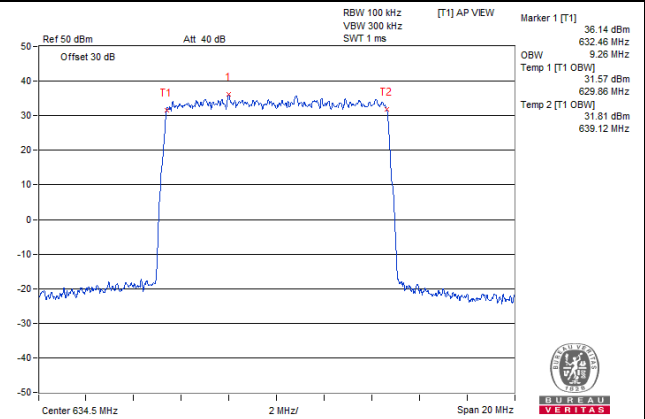
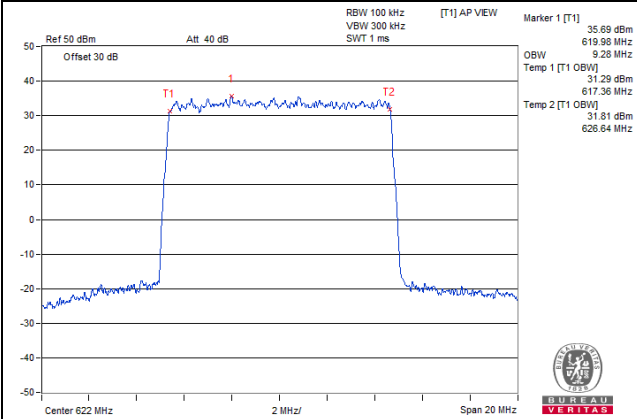
Ch 129400 (647MHz)



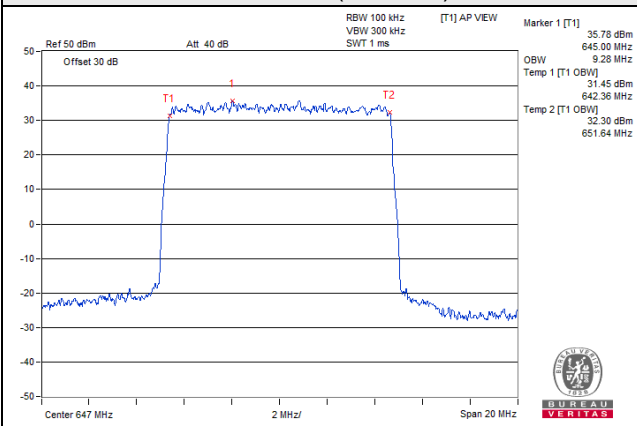
256QAM

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)



Ch 129400 (647MHz)



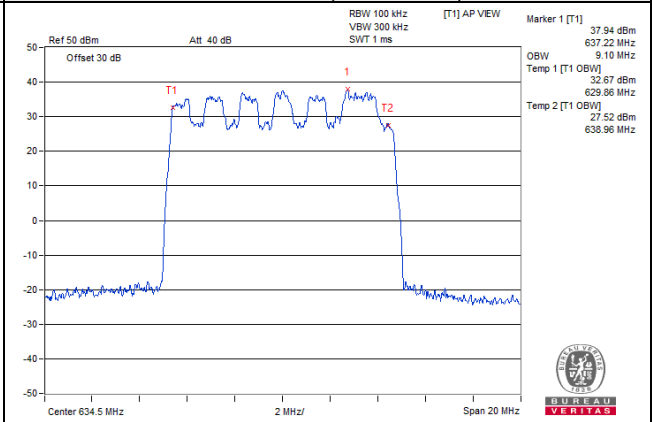
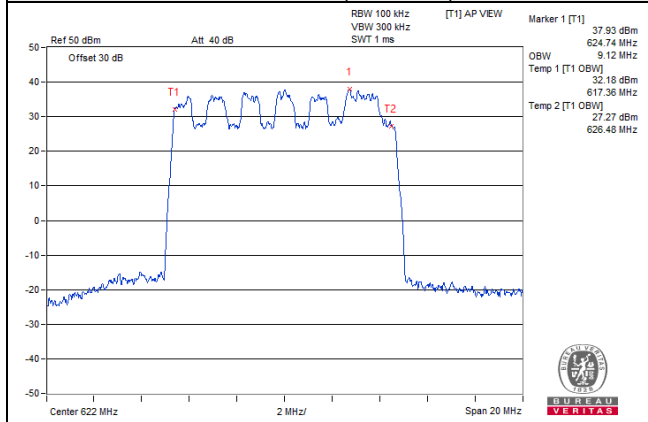
ANT3

OCP 99 Bandwidth

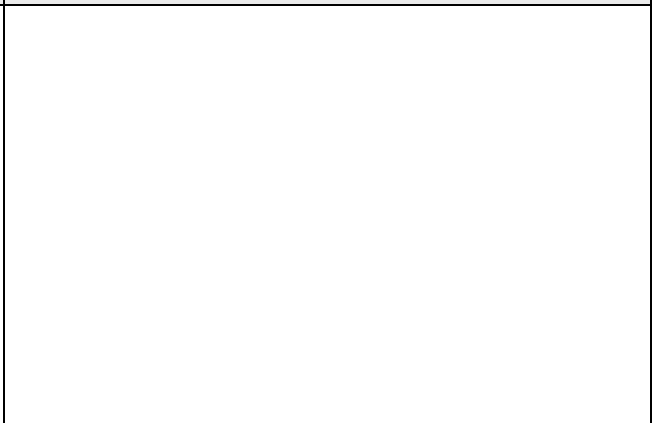
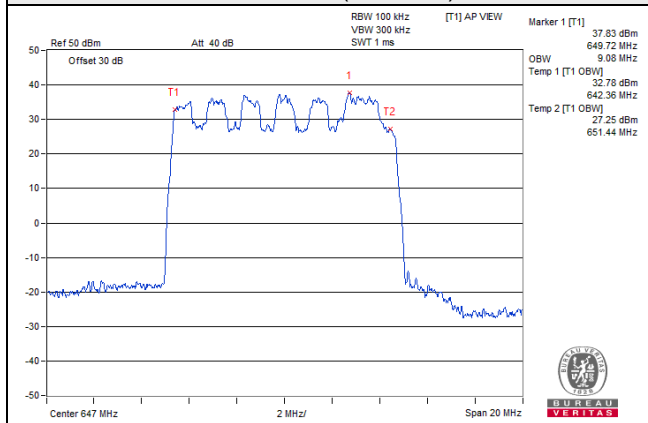
QPSK

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)



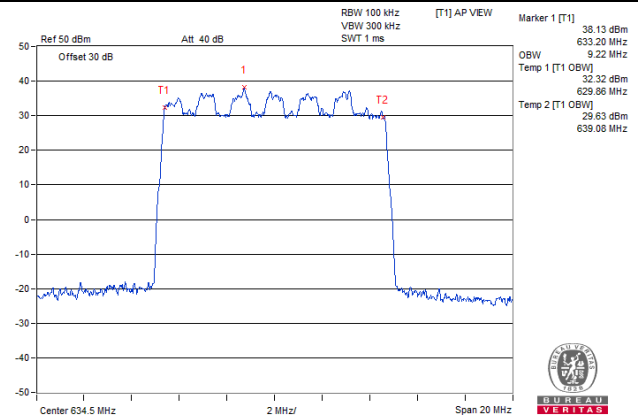
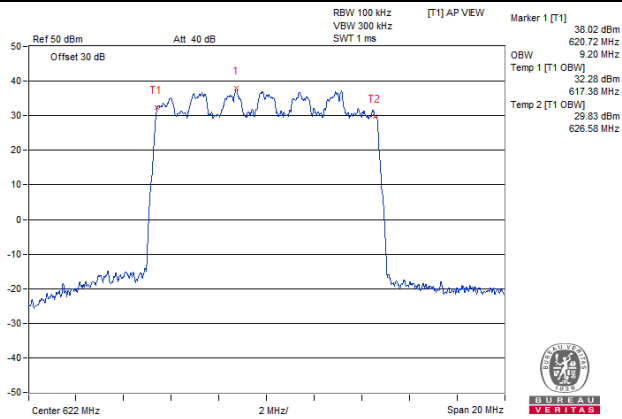
Ch 129400 (647MHz)



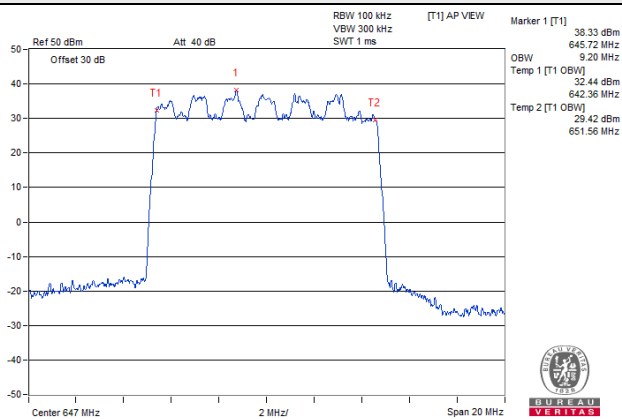
16QAM

Ch 124400 (622MHz)

Ch 126900 (634.5MHz)

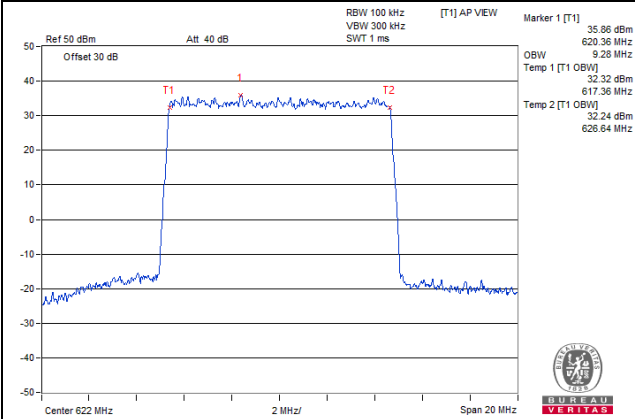


Ch 129400 (647MHz)

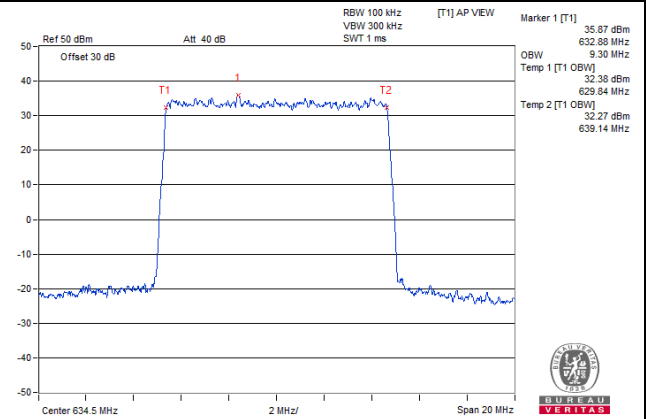


### 64QAM

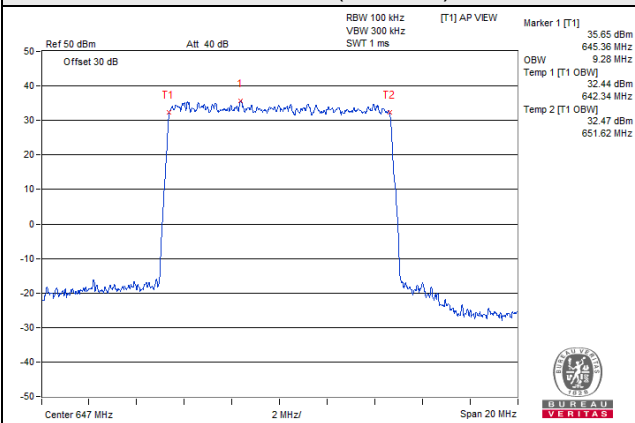
#### Ch 124400 (622MHz)



#### Ch 126900 (634.5MHz)

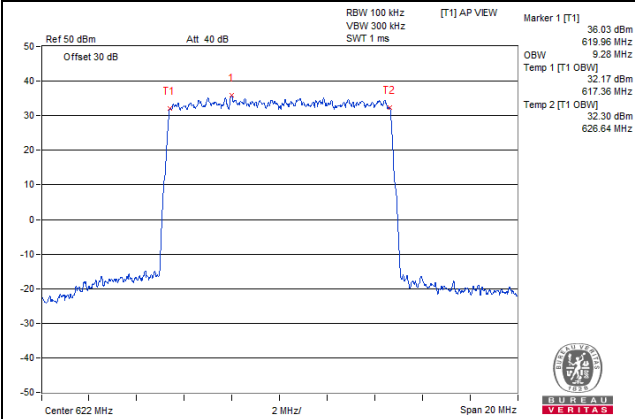


#### Ch 129400 (647MHz)

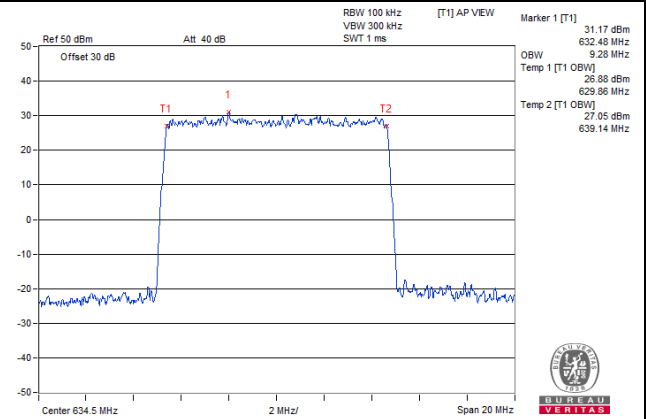


## 256QAM

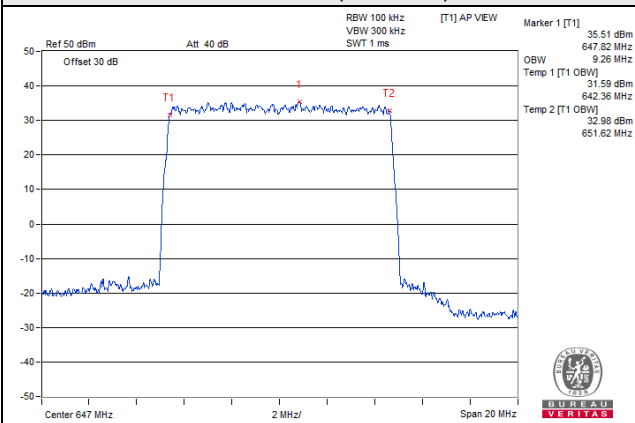
### Ch 124400 (622MHz)



### Ch 126900 (634.5MHz)



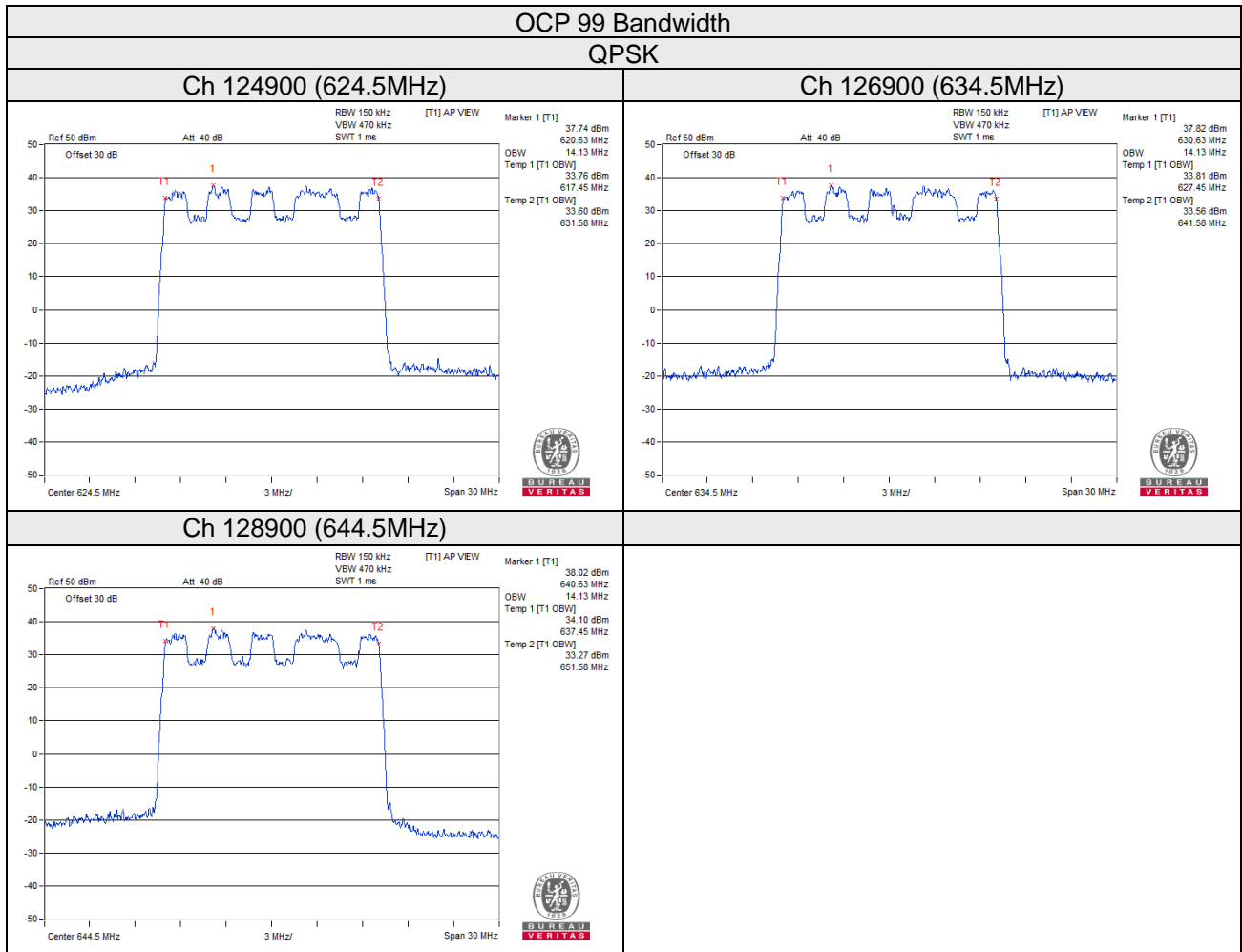
### Ch 129400 (647MHz)



### 15MHz

Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
124900	624.5	14.13	14.10	14.10	14.07	14.13	14.10	14.10	14.04	14.13	14.13	14.13	14.07	14.13	14.13	14.13	14.07
126900	634.5	14.13	14.13	14.13	14.10	14.13	14.16	14.10	14.10	14.13	14.10	14.13	14.04	14.13	14.13	14.13	14.07
128900	644.5	14.13	14.13	14.13	14.04	14.16	14.13	14.13	14.07	14.16	14.10	14.13	14.07	14.13	14.10	14.13	14.07

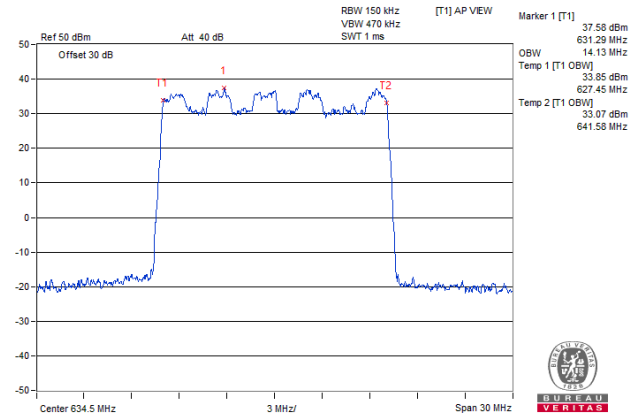
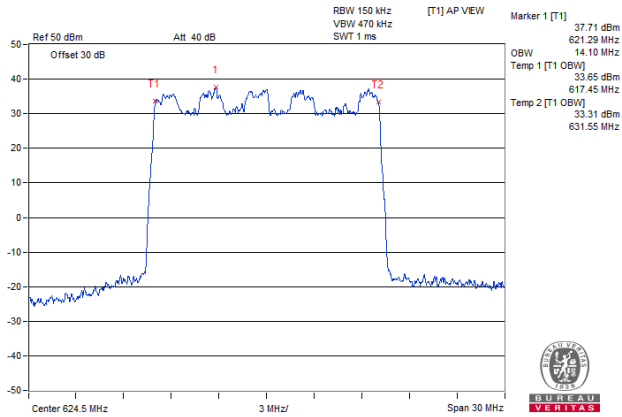
### ANT0



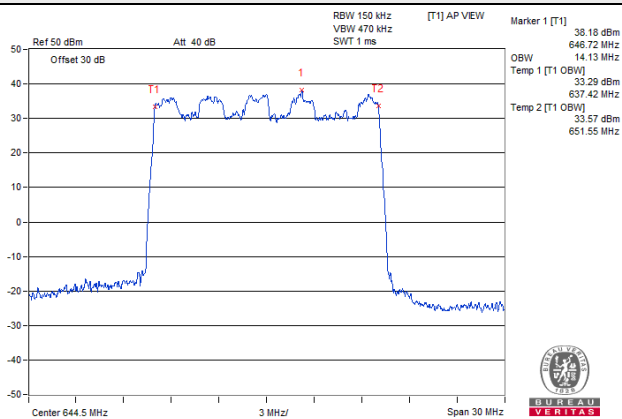
16QAM

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)



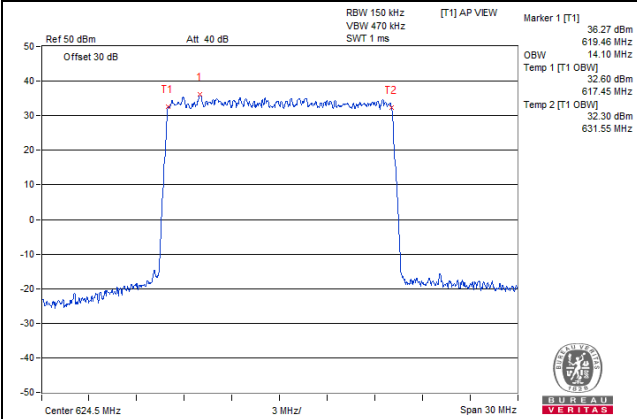
Ch 128900 (644.5MHz)



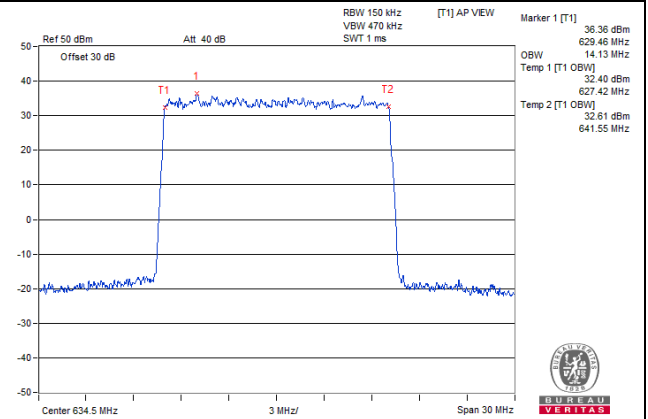


64QAM

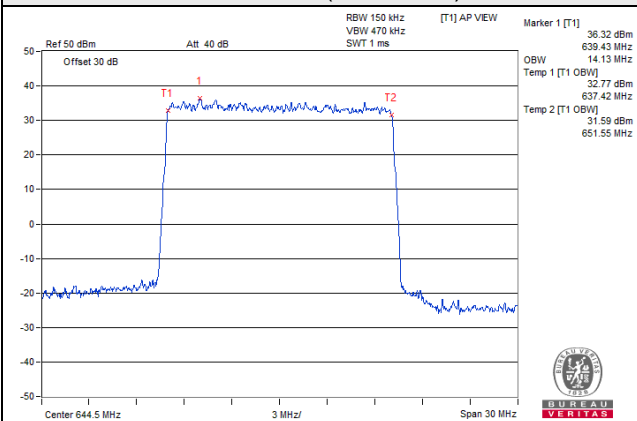
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)

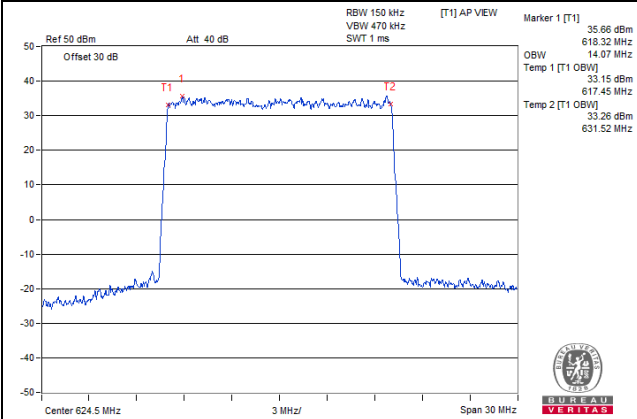


Ch 128900 (644.5MHz)

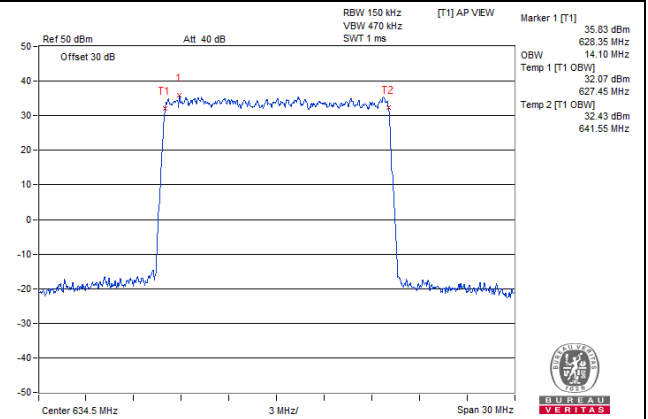


256QAM

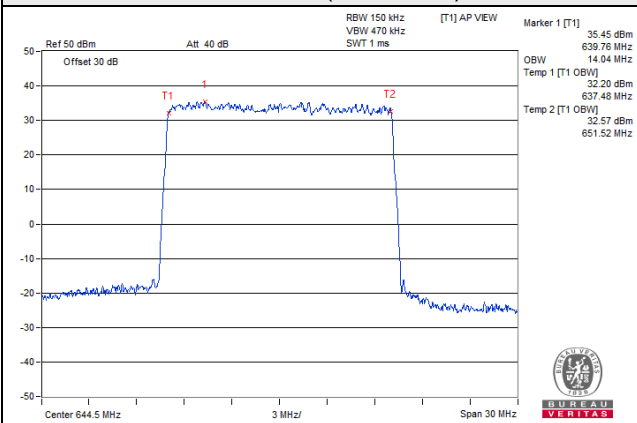
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)



Ch 128900 (644.5MHz)

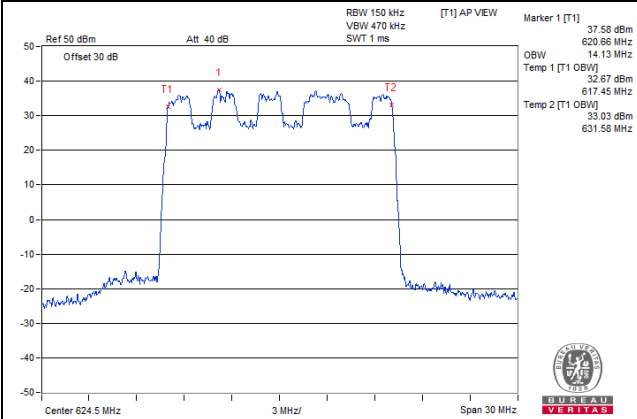


ANT1

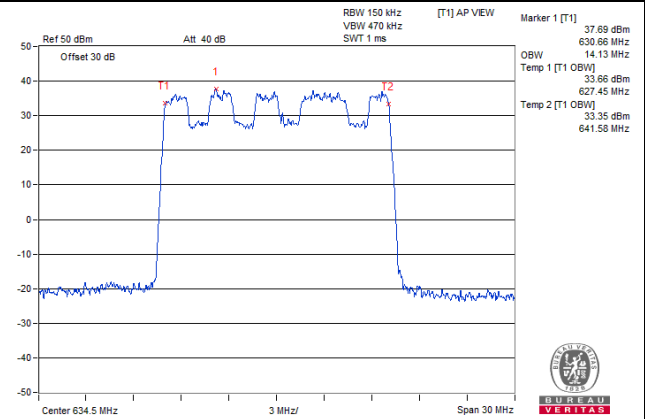
OCP 99 Bandwidth

QPSK

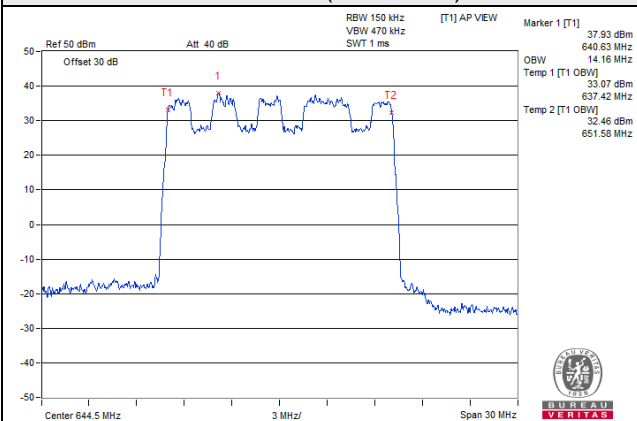
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)



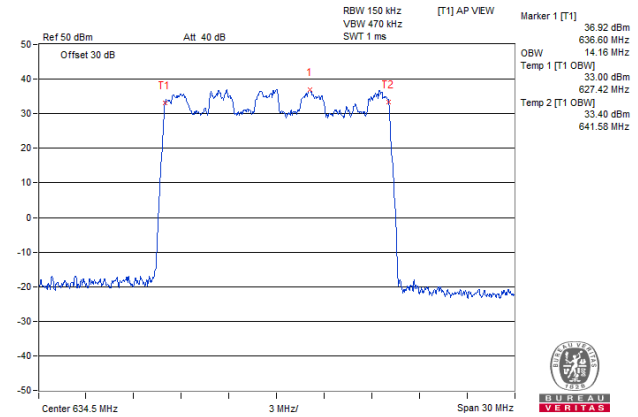
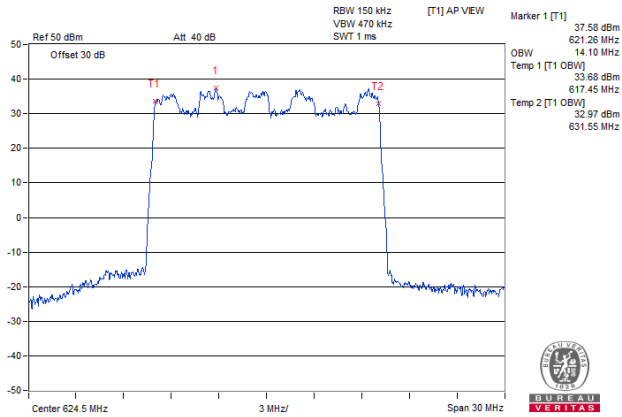
Ch 128900 (644.5MHz)



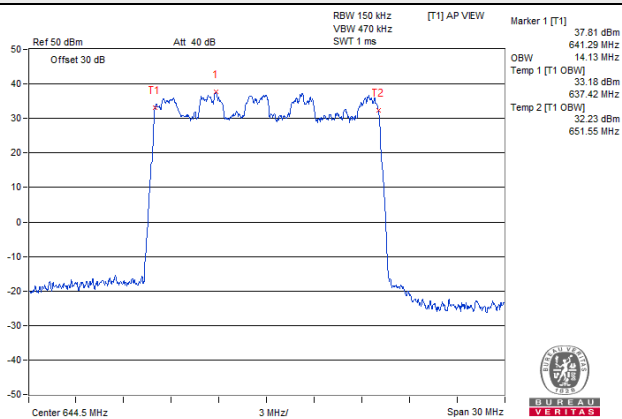
16QAM

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)

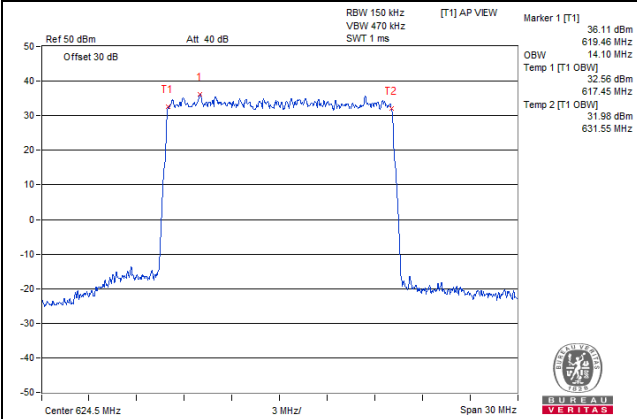


Ch 128900 (644.5MHz)

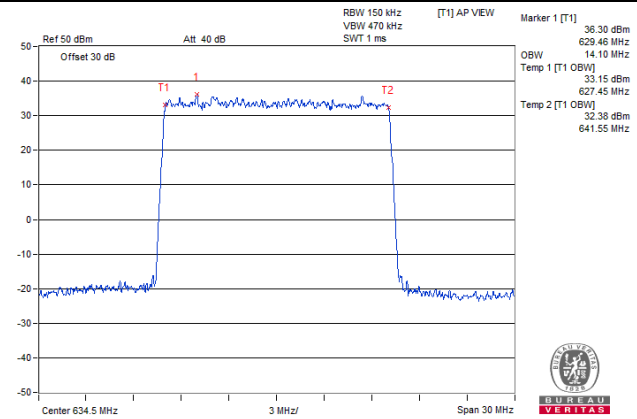


64QAM

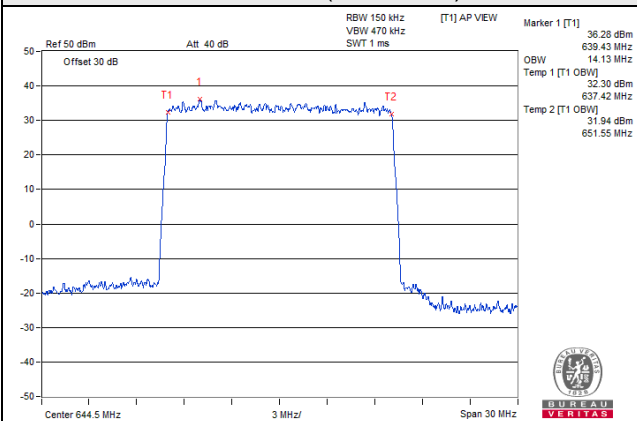
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)

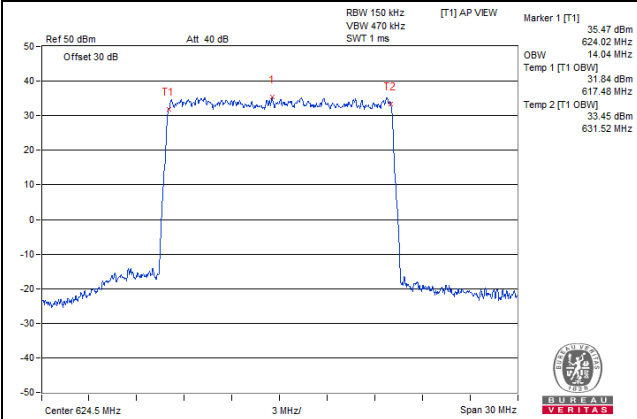


Ch 128900 (644.5MHz)

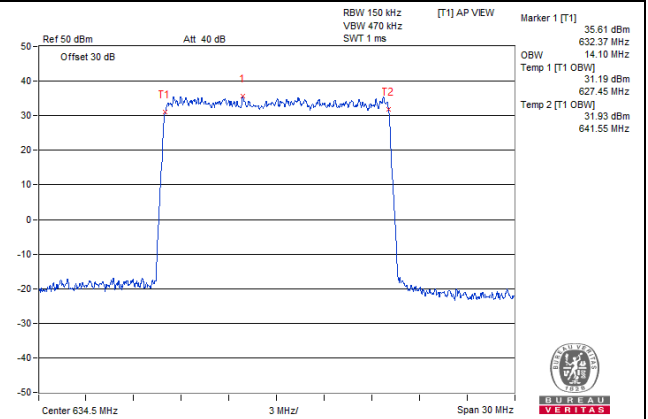


256QAM

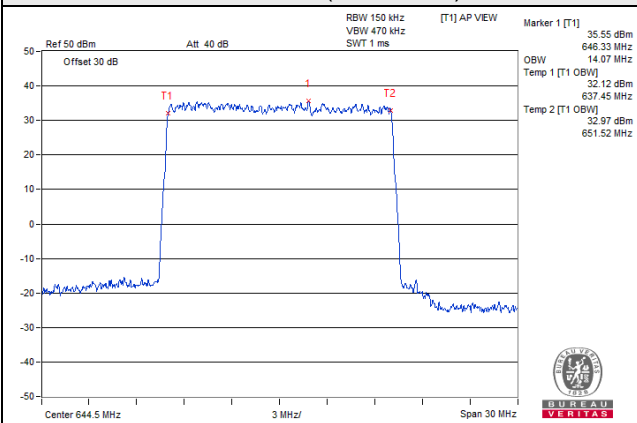
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)



Ch 128900 (644.5MHz)



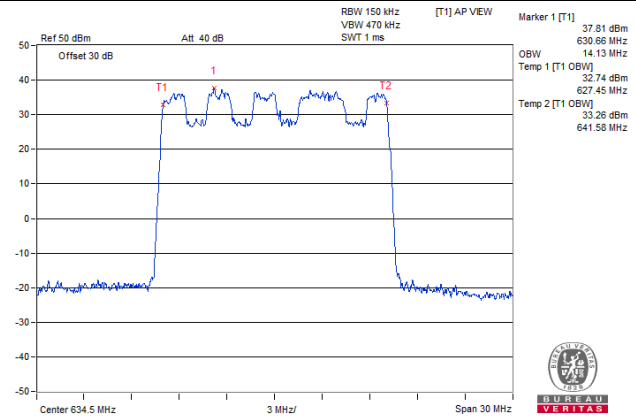
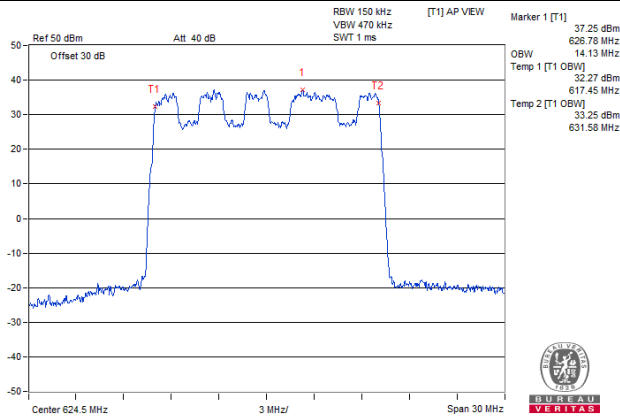
ANT2

OCP 99 Bandwidth

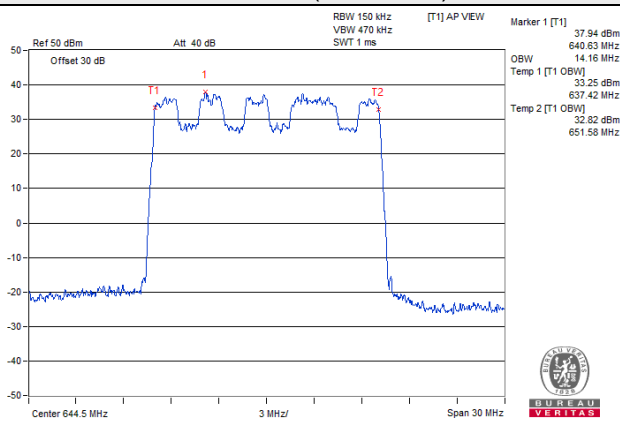
QPSK

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)



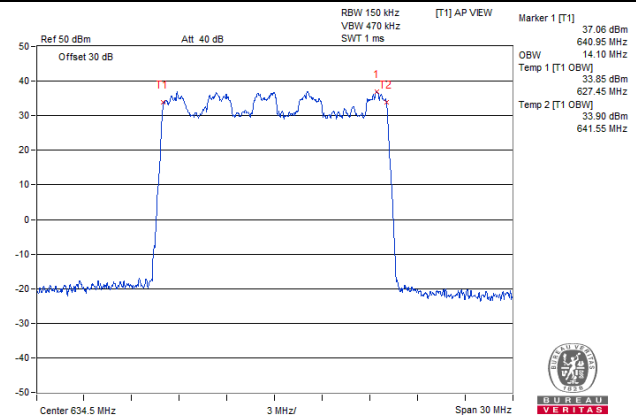
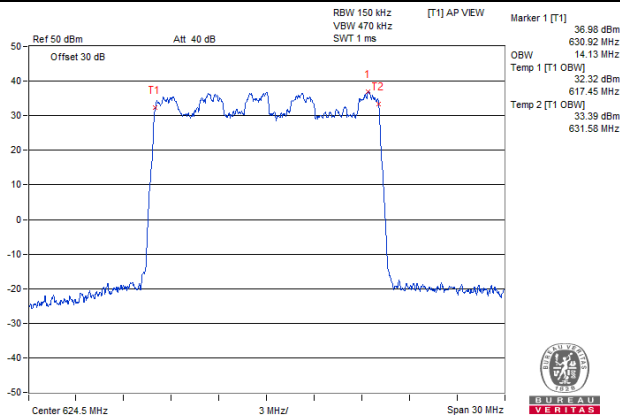
Ch 128900 (644.5MHz)



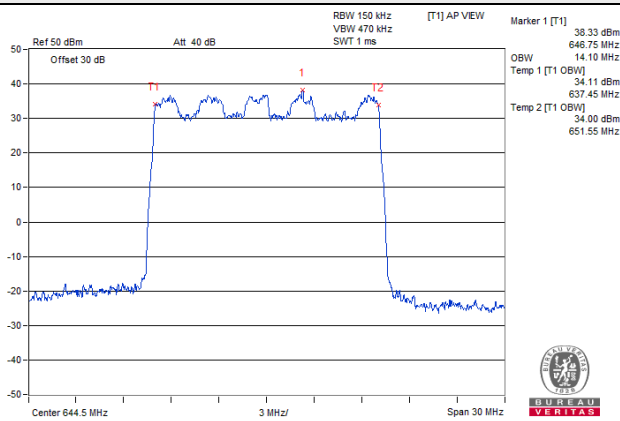
16QAM

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)



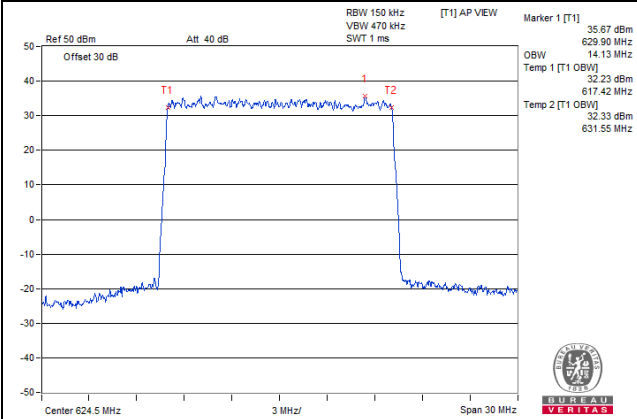
Ch 128900 (644.5MHz)



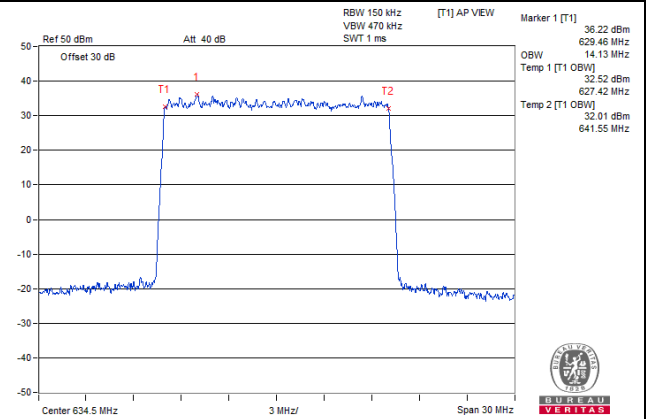


64QAM

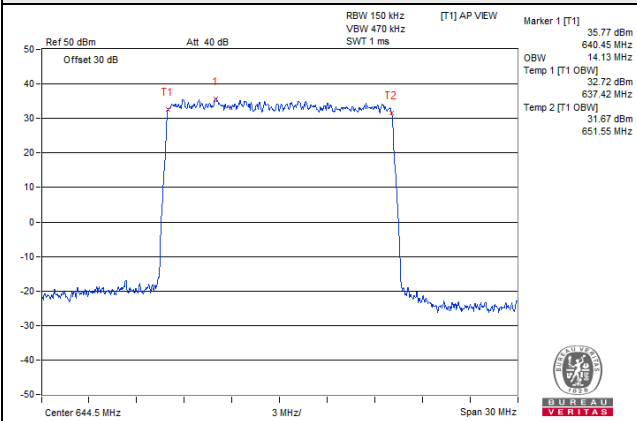
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)

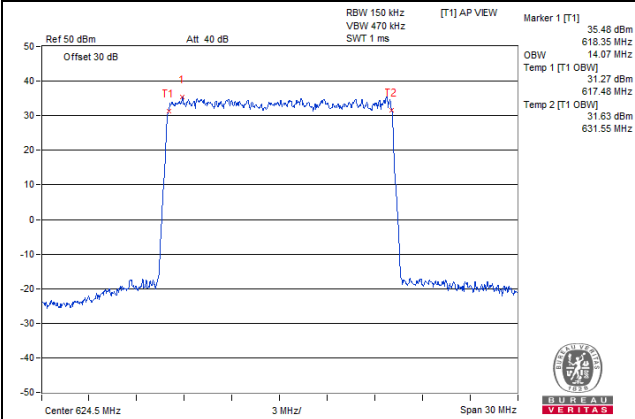


Ch 128900 (644.5MHz)

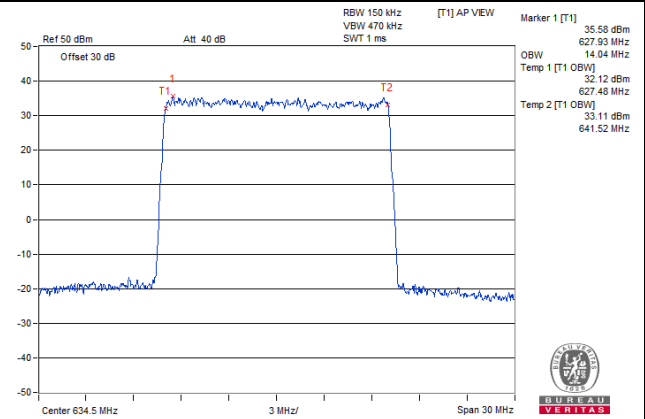


## 256QAM

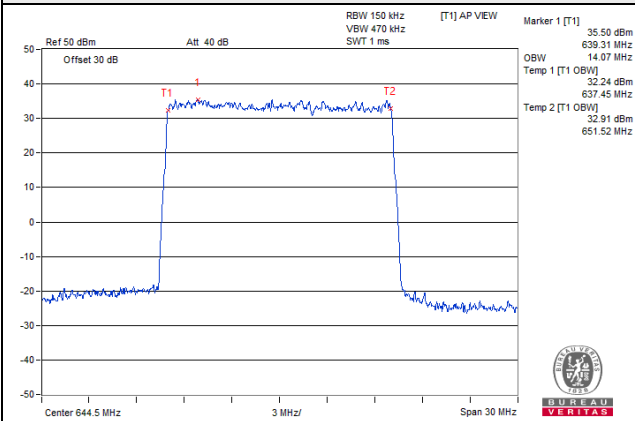
### Ch 124900 (624.5MHz)



### Ch 126900 (634.5MHz)



### Ch 128900 (644.5MHz)



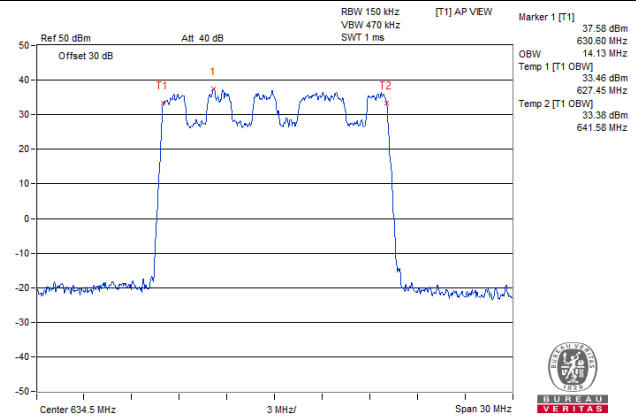
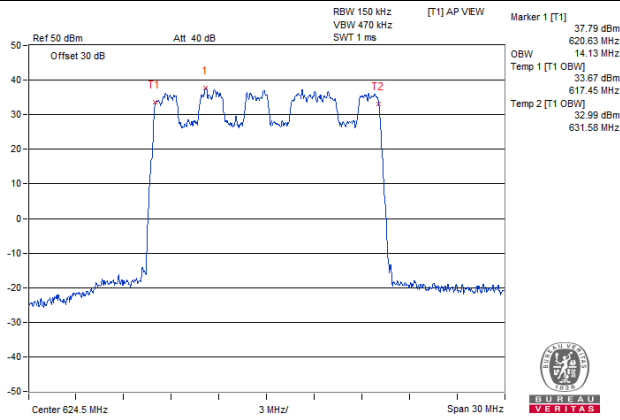
ANT3

OCP 99 Bandwidth

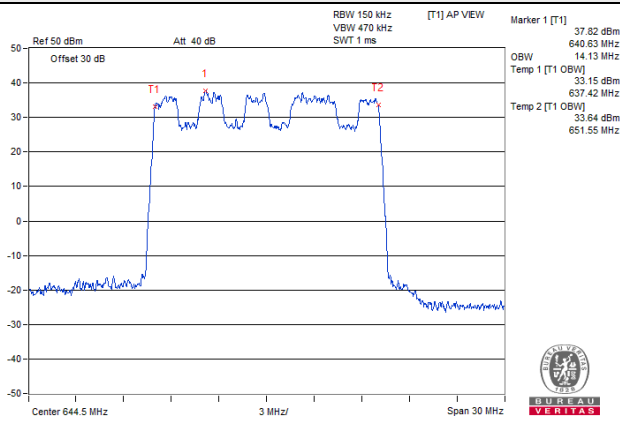
QPSK

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)



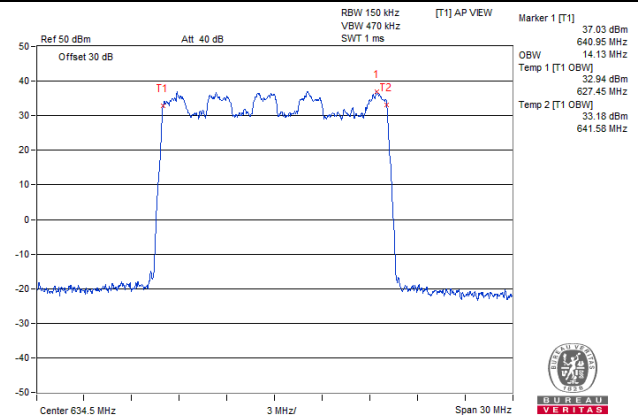
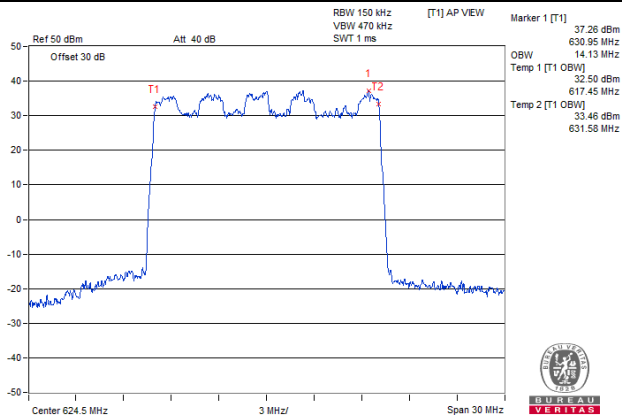
Ch 128900 (644.5MHz)



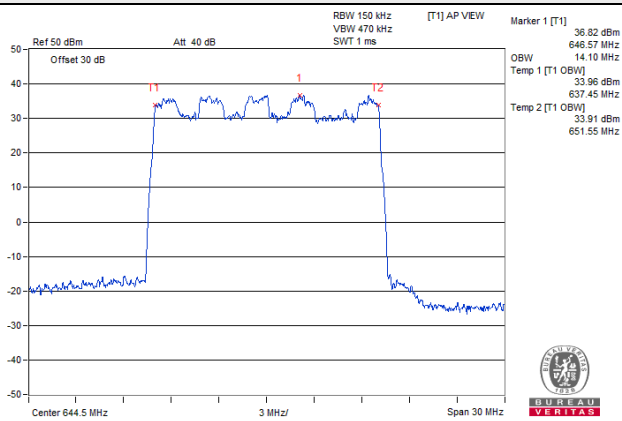
16QAM

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)

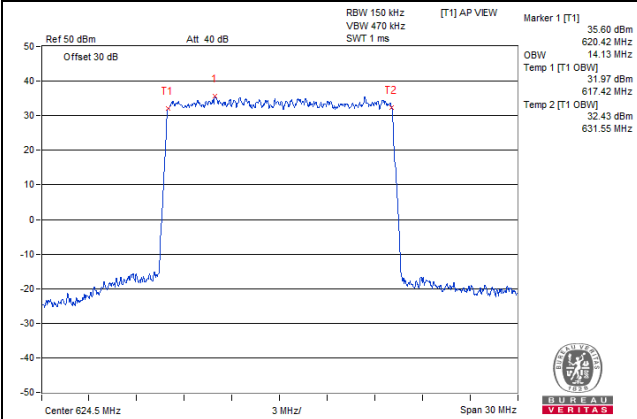


Ch 128900 (644.5MHz)

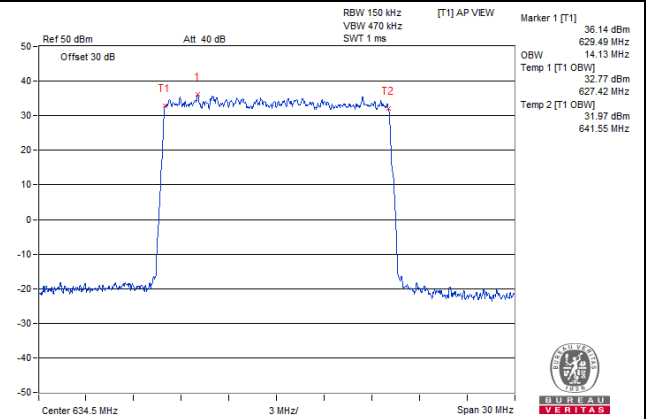


64QAM

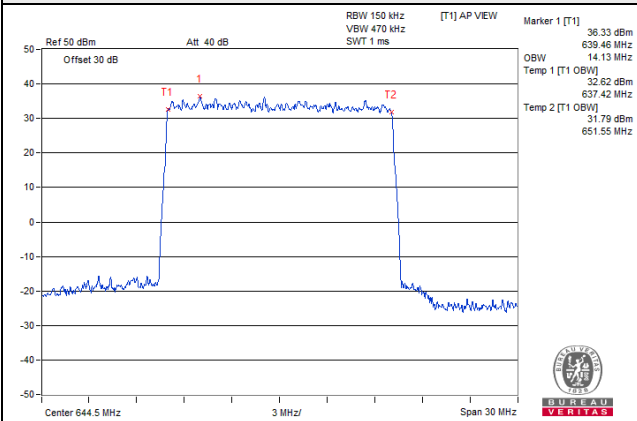
Ch 124900 (624.5MHz)



Ch 126900 (634.5MHz)



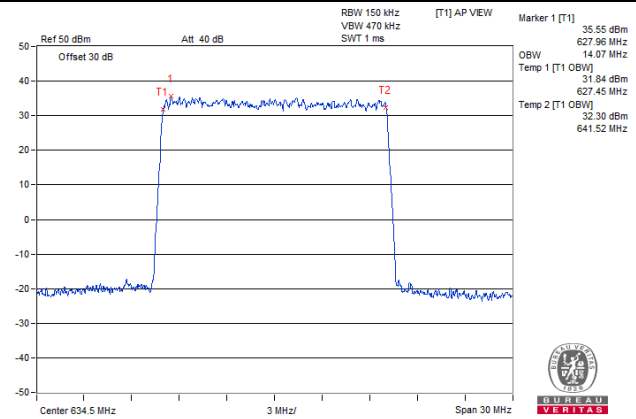
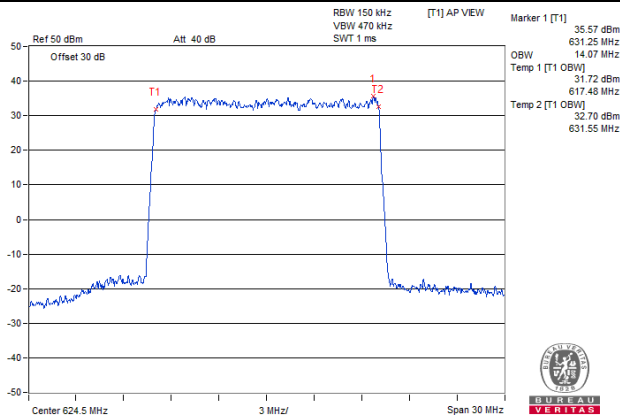
Ch 128900 (644.5MHz)



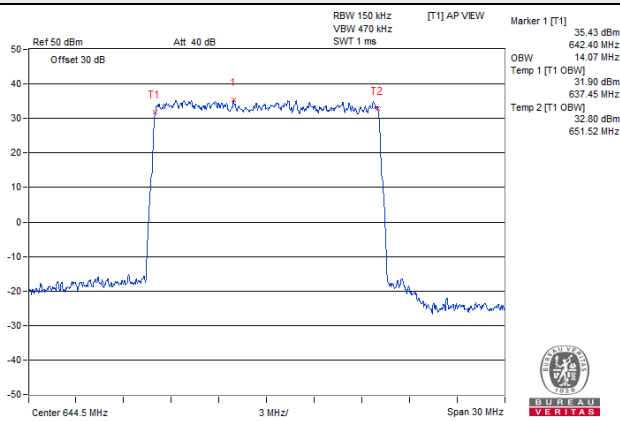
256QAM

Ch 124900 (624.5MHz)

Ch 126900 (634.5MHz)



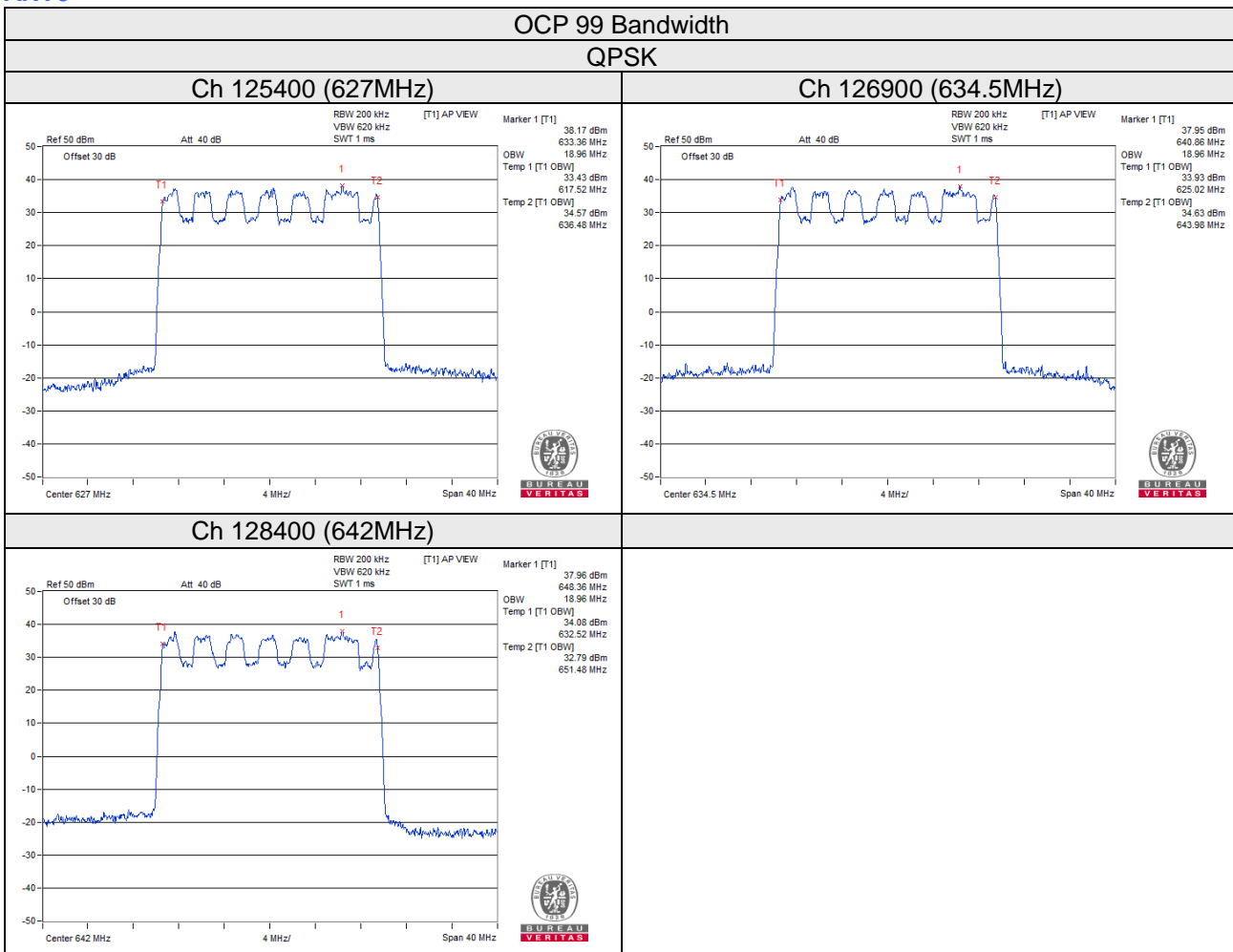
Ch 128900 (644.5MHz)



## 20MHz

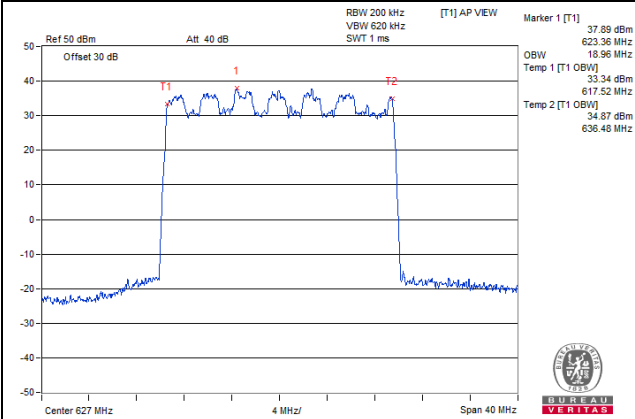
Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
125400 30W	627	18.96	18.96	18.92	18.96	18.96	18.96	18.92	18.96	18.96	18.96	18.92	18.88	18.96	18.96	18.92	18.88
126900 30W	634.5	18.96	18.96	18.92	18.96	18.96	18.96	18.92	18.92	18.96	18.96	18.92	18.96	18.96	18.96	18.92	18.96
128400 30W	642	18.96	18.96	18.88	18.88	18.96	18.92	18.92	18.88	18.96	18.96	18.88	18.88	18.96	18.96	18.88	18.88

## ANT0

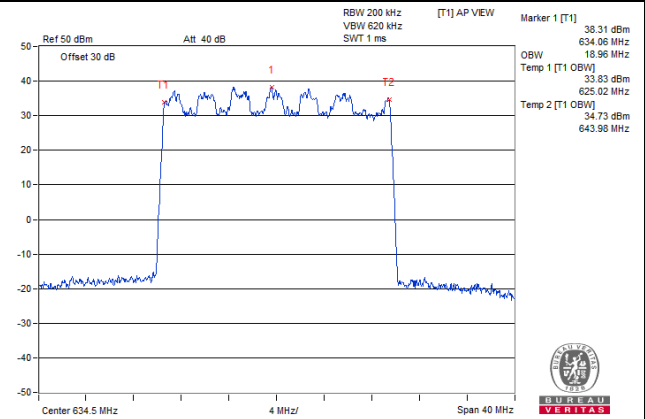


## 16QAM

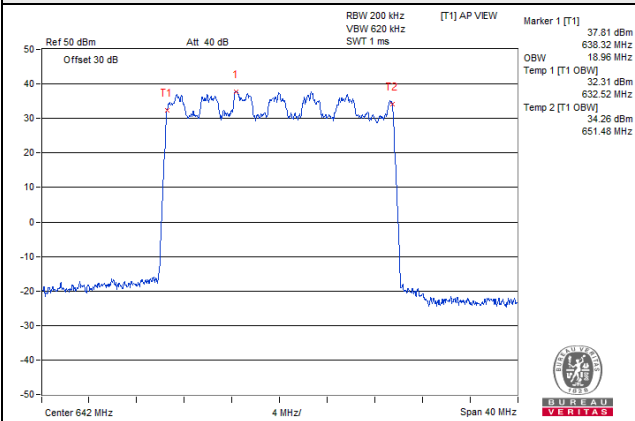
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)



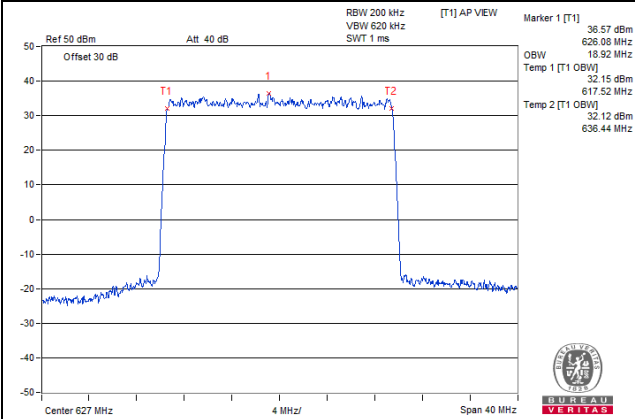
### Ch 128400 (642MHz)



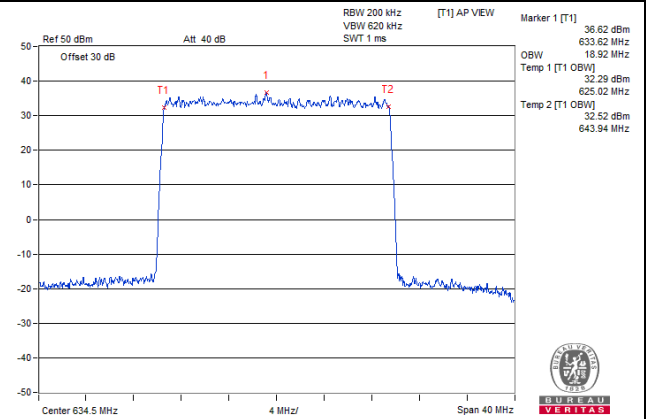


### 64QAM

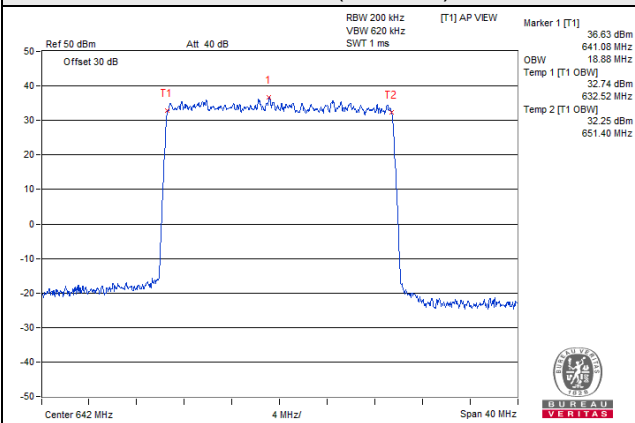
#### Ch 125400 (627MHz)



#### Ch 126900 (634.5MHz)

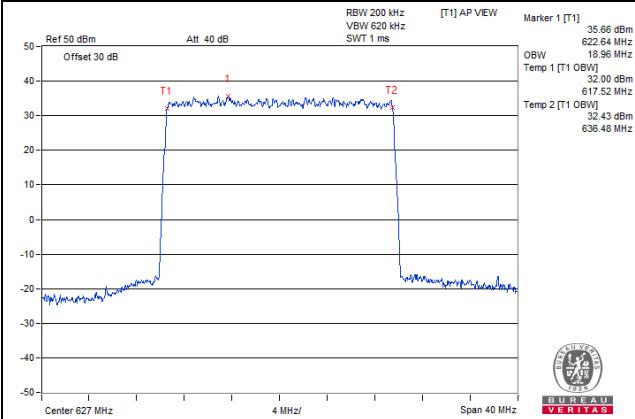


#### Ch 128400 (642MHz)

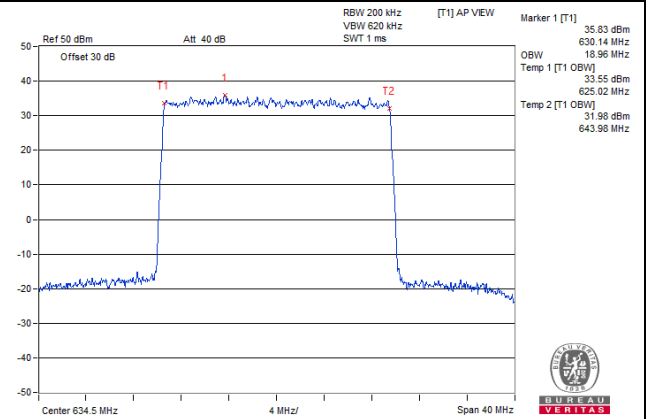


## 256QAM

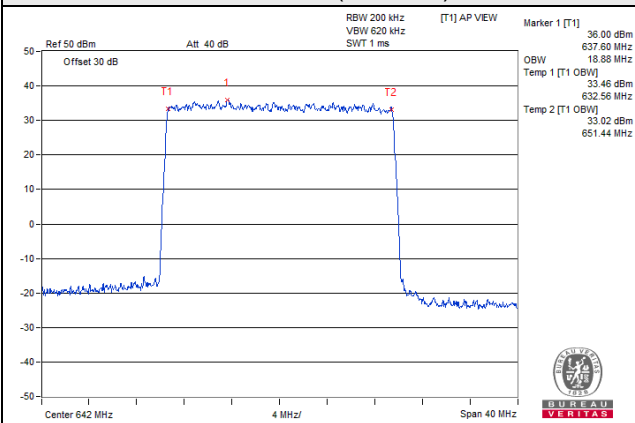
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)



### Ch 128400 (642MHz)

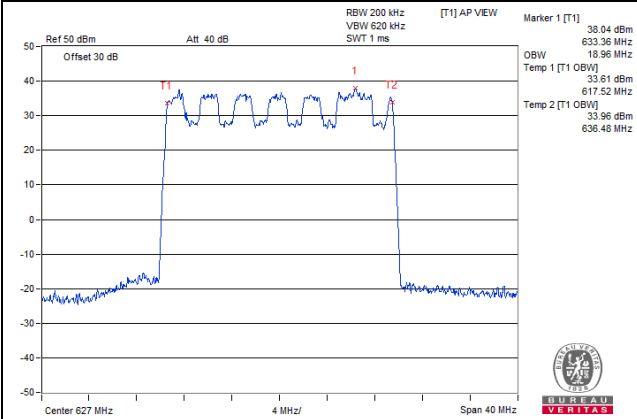


ANT1

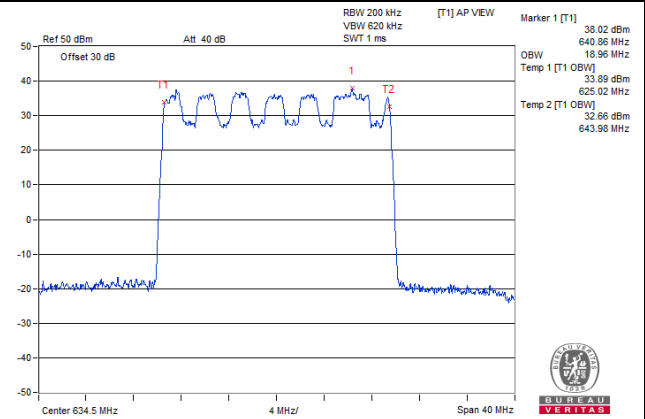
OCP 99 Bandwidth

QPSK

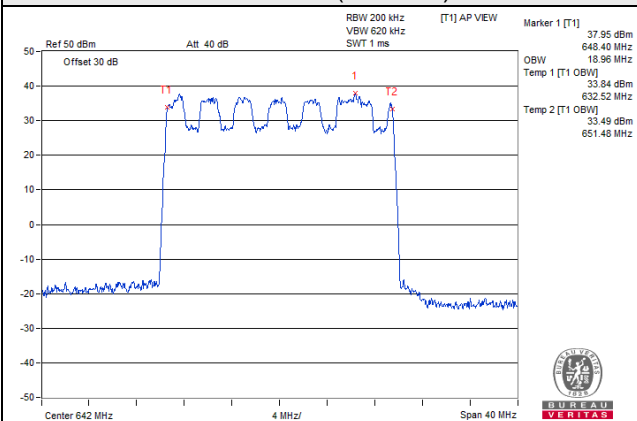
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)

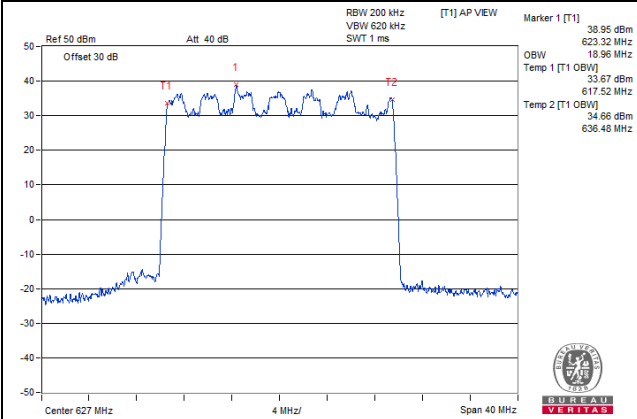


Ch 128400 (642MHz)

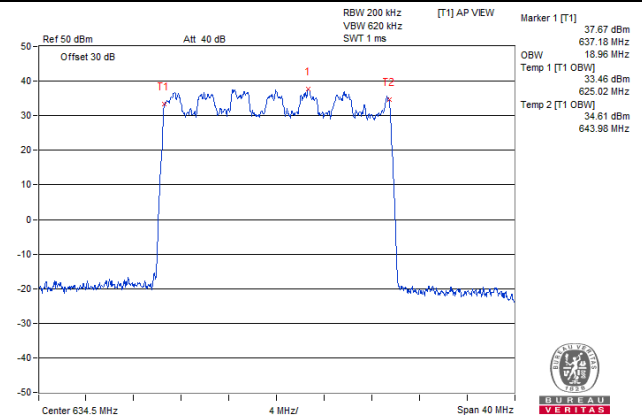


## 16QAM

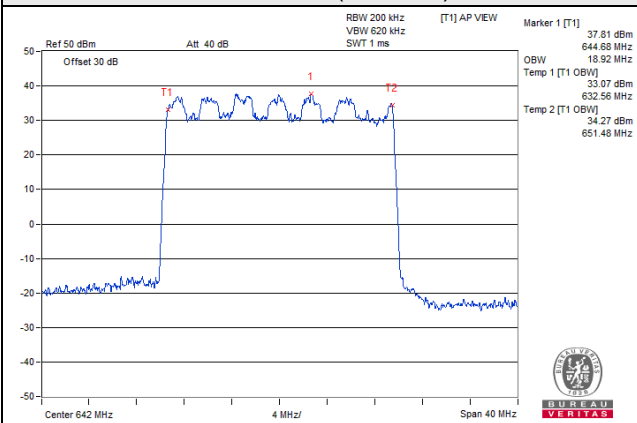
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)

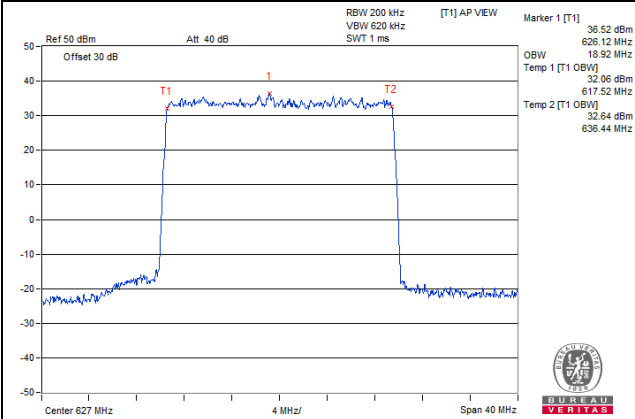


### Ch 128400 (642MHz)

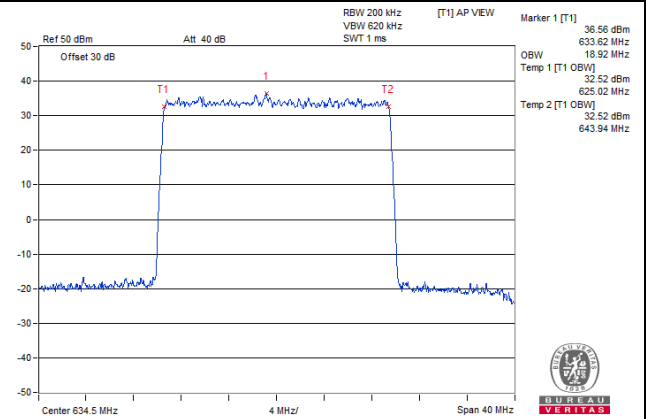


### 64QAM

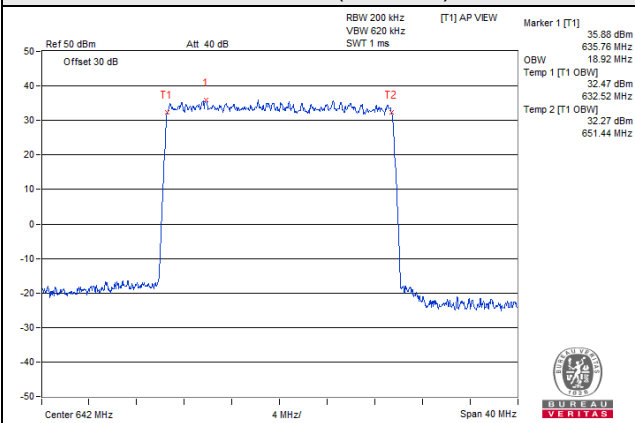
#### Ch 125400 (627MHz)



#### Ch 126900 (634.5MHz)

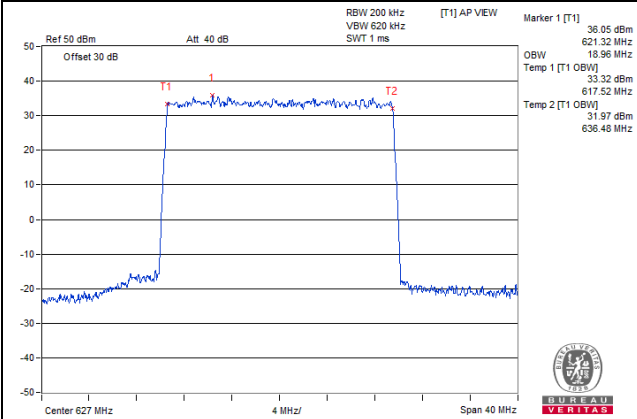


#### Ch 128400 (642MHz)

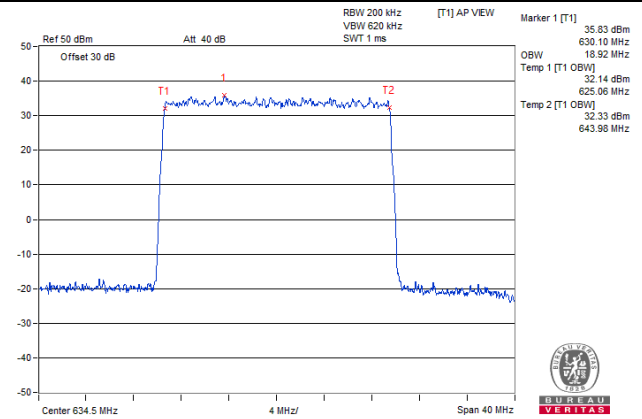


256QAM

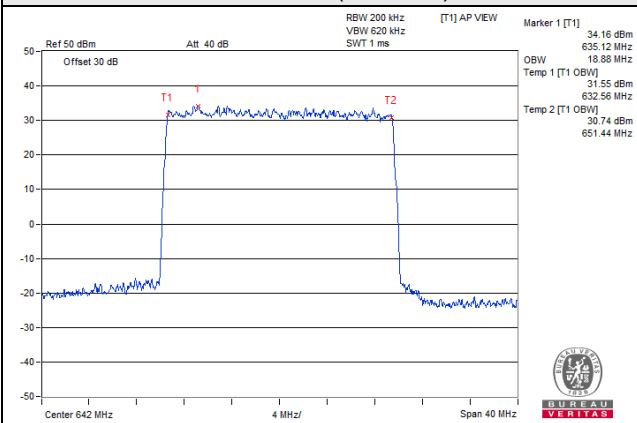
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)



Ch 128400 (642MHz)



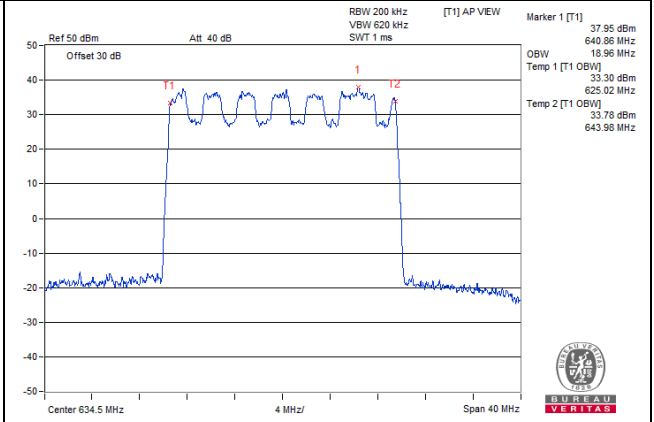
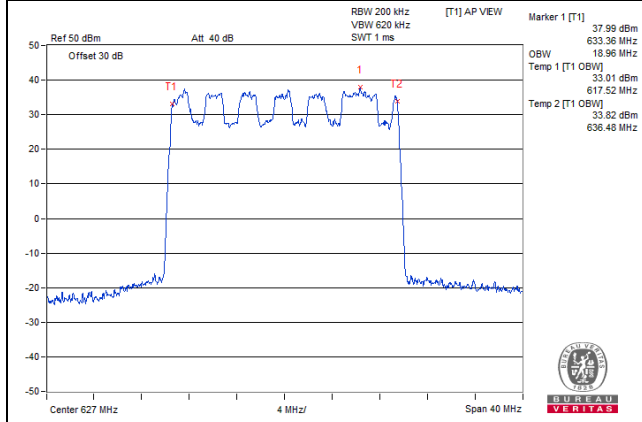
ANT2

OCP 99 Bandwidth

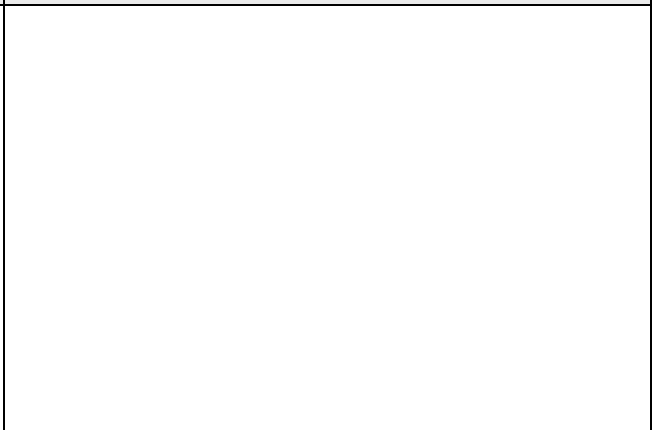
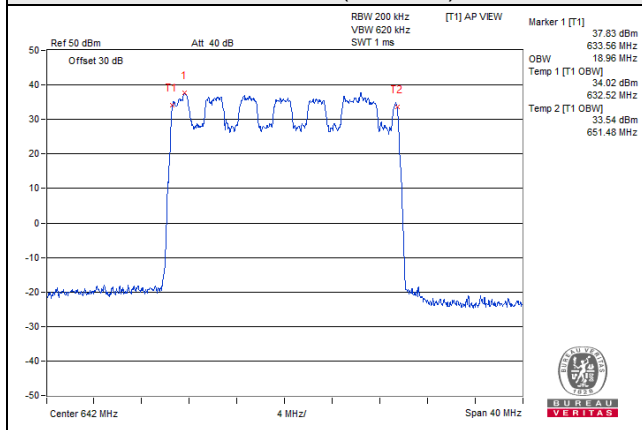
QPSK

Ch 125400 (627MHz)

Ch 126900 (634.5MHz)

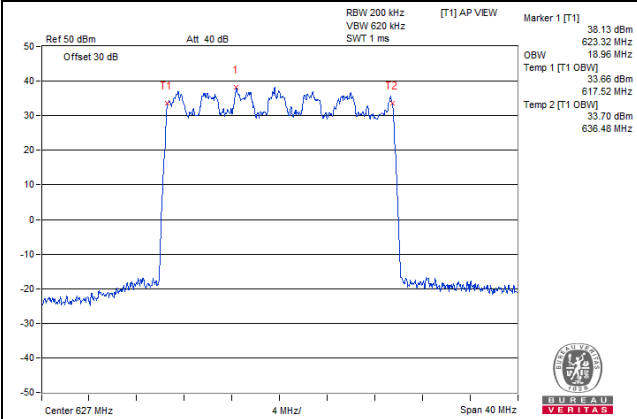


Ch 128400 (642MHz)

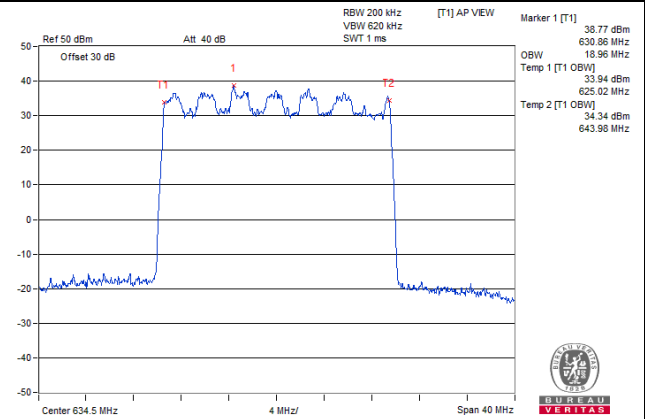


## 16QAM

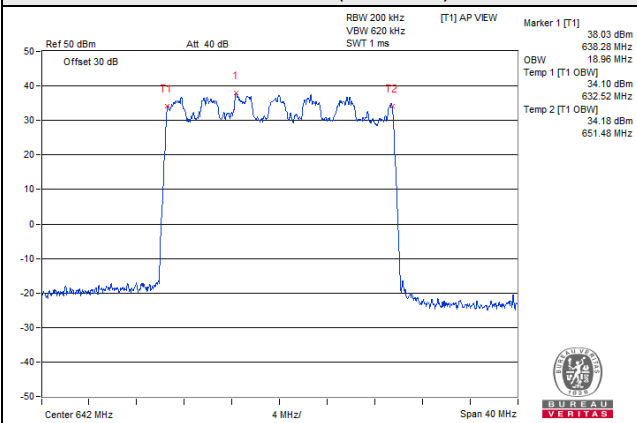
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)



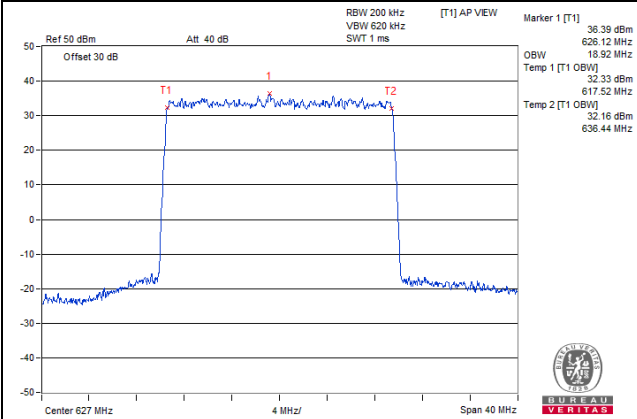
### Ch 128400 (642MHz)



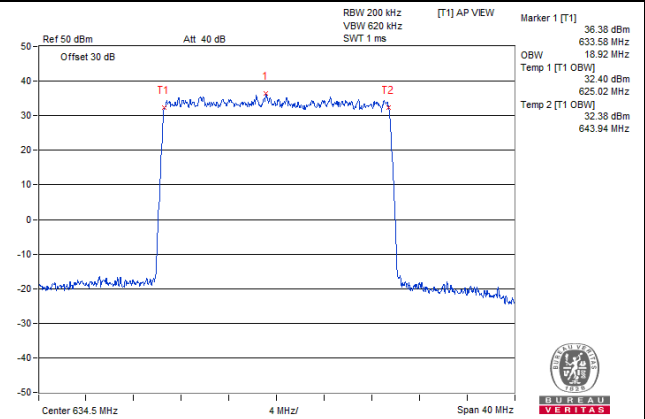


64QAM

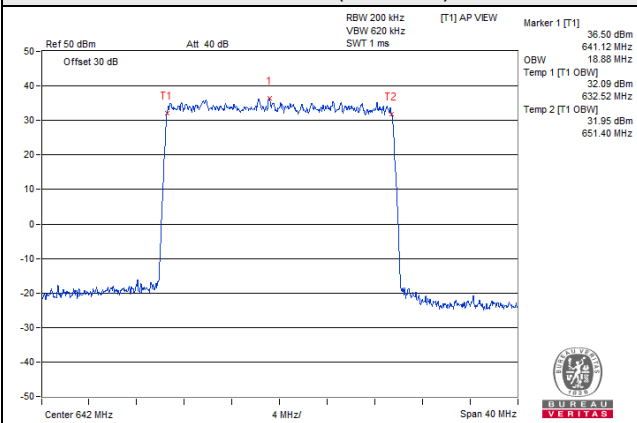
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)

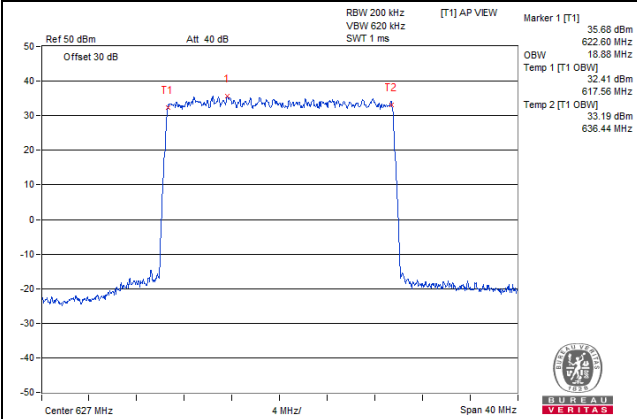


Ch 128400 (642MHz)

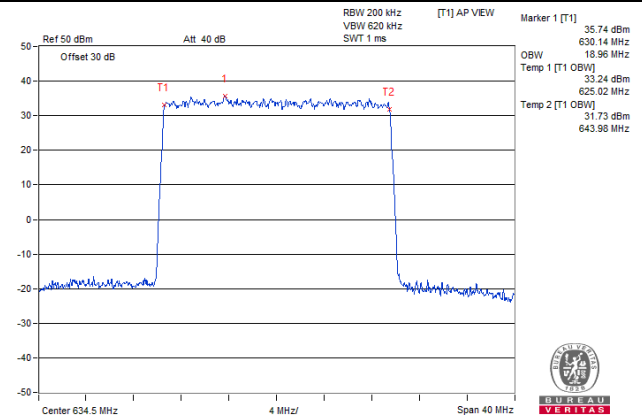


256QAM

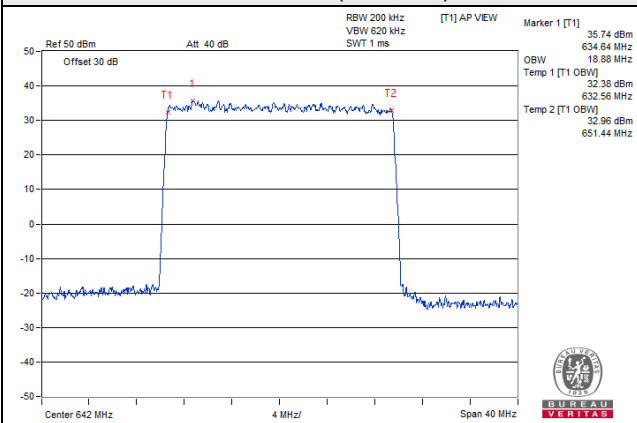
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)



Ch 128400 (642MHz)

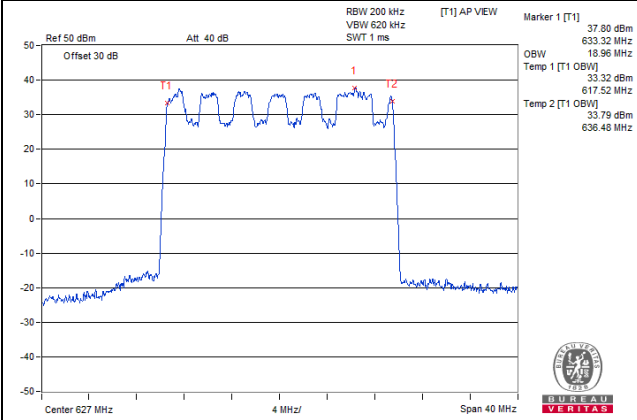


ANT3

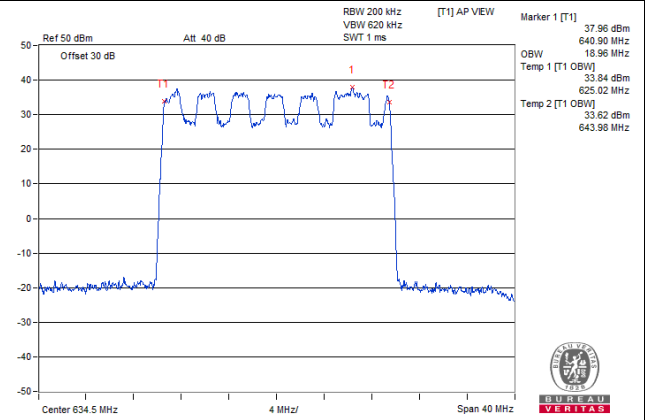
OCP 99 Bandwidth

QPSK

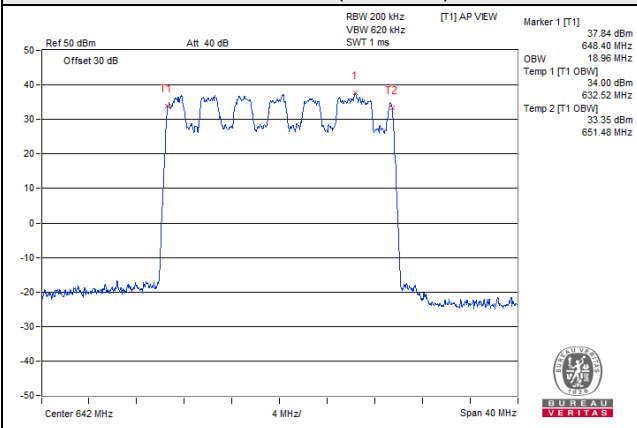
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)

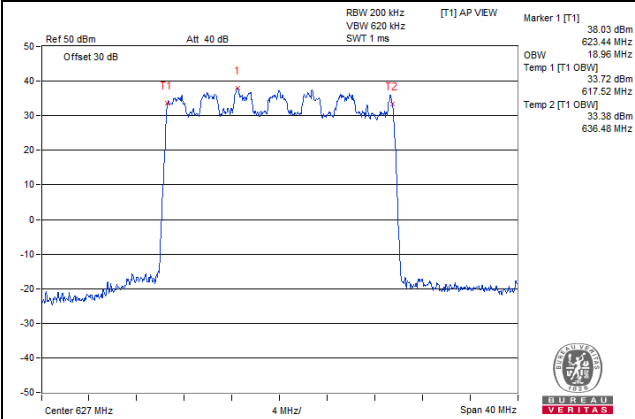


Ch 128400 (642MHz)

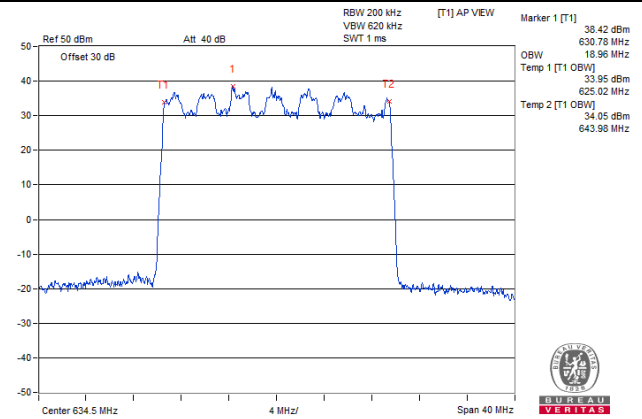


## 16QAM

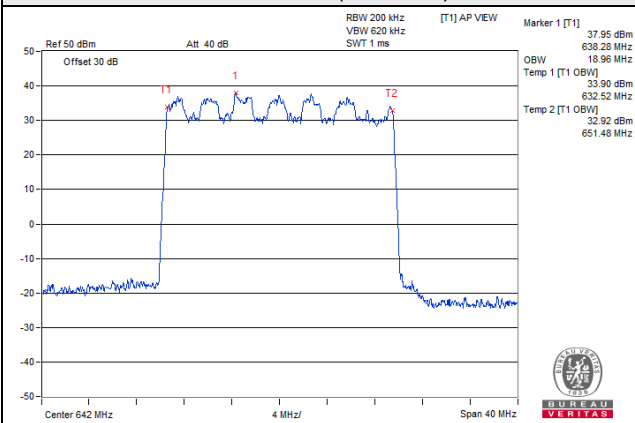
### Ch 125400 (627MHz)



### Ch 126900 (634.5MHz)

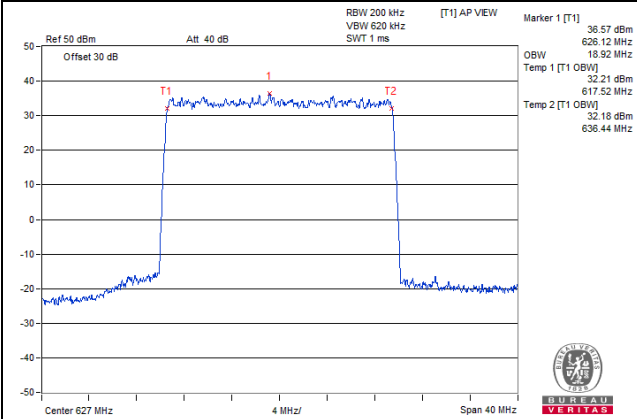


### Ch 128400 (642MHz)

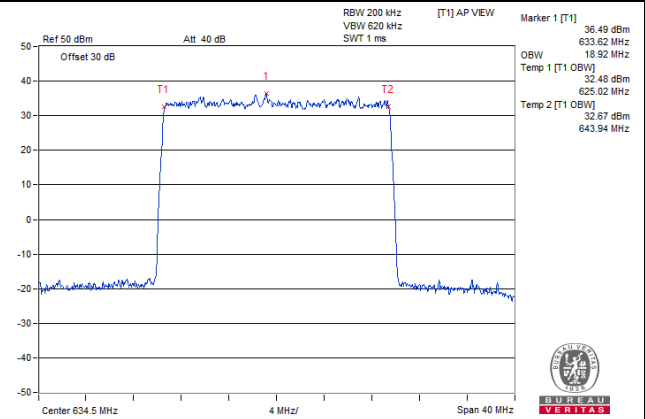


64QAM

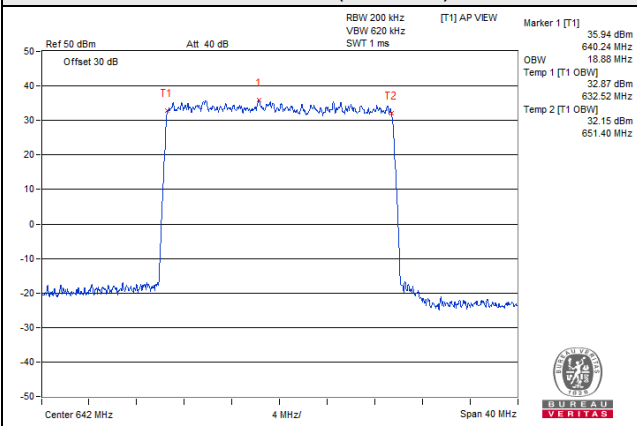
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)

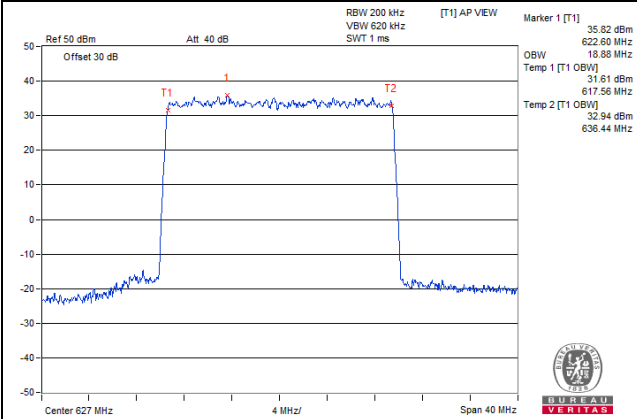


Ch 128400 (642MHz)

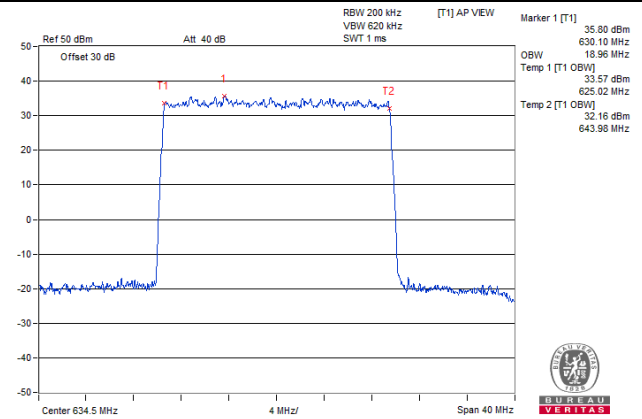


256QAM

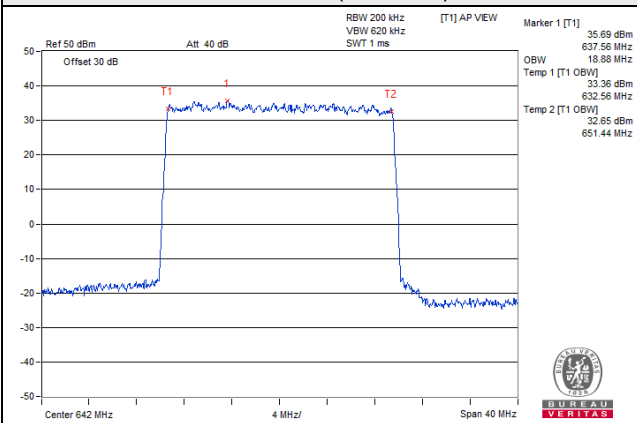
Ch 125400 (627MHz)



Ch 126900 (634.5MHz)



Ch 128400 (642MHz)

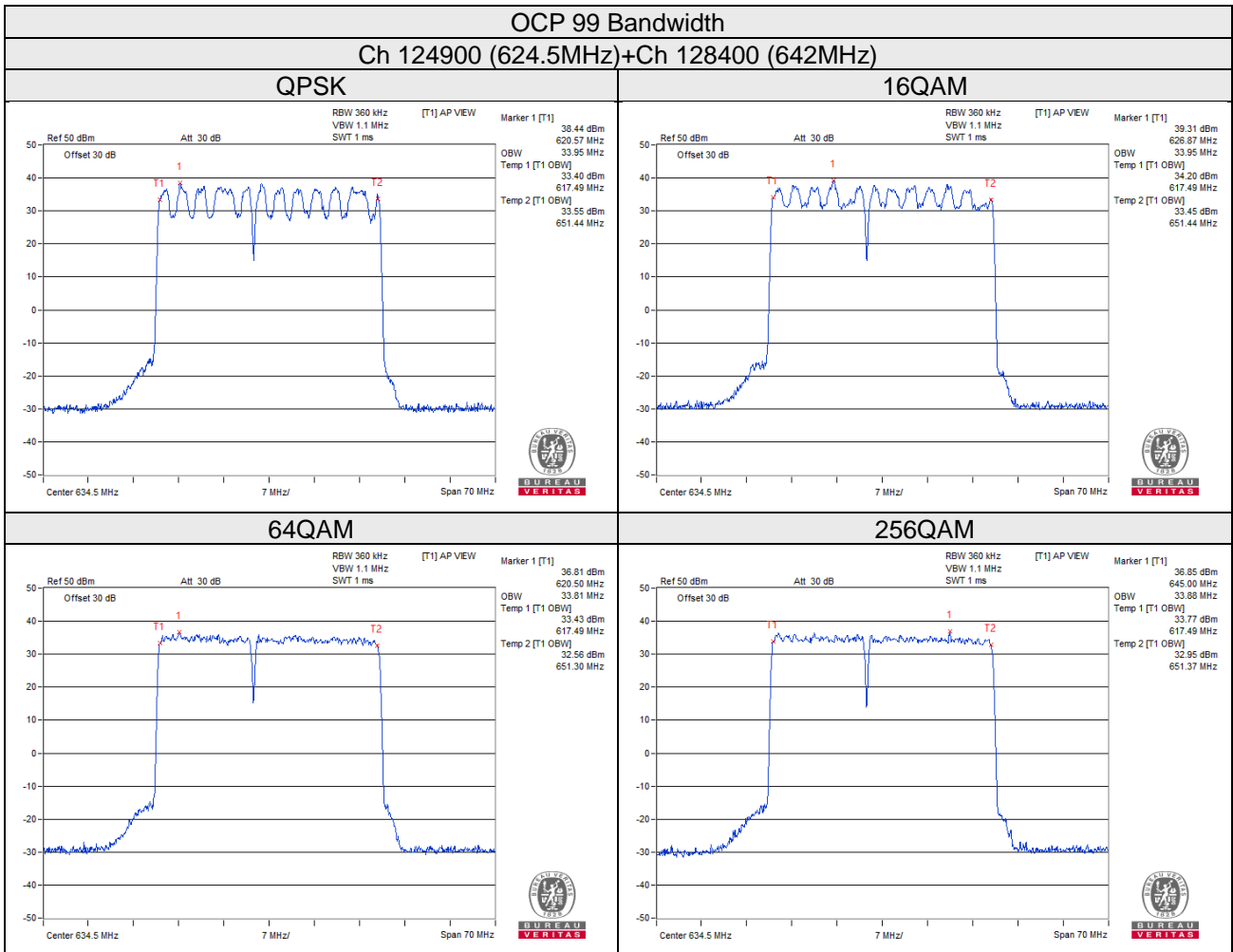


# CA-Contiguous

## 15MHz+20MHz

Channel Number	Freq. (MHz)	OCP 99 Bandwidth (MHz)															
		ANT0				ANT1				ANT2				ANT3			
		QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM	QPSK	16QAM	64QAM	256QAM
124900	624.5																
+	+																
128400	642	33.95	33.95	33.81	33.88	33.95	33.95	33.81	33.74	33.95	33.88	33.81	33.81	33.95	33.95	33.81	33.81

### ANT0



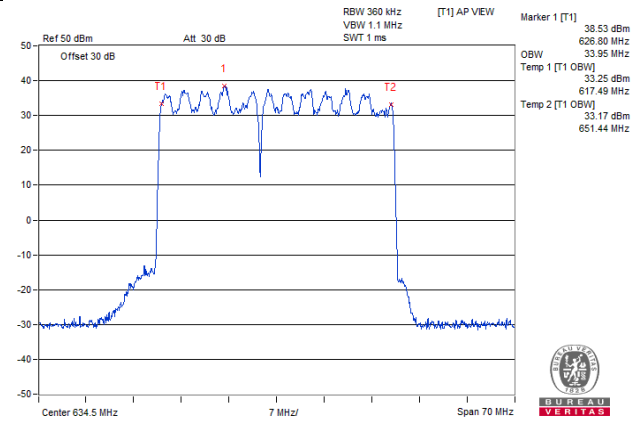
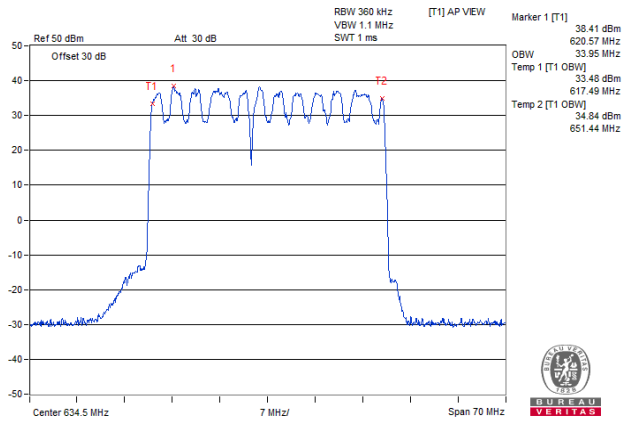
ANT1

OCP 99 Bandwidth

Ch 124900 (624.5MHz)+Ch 128400 (642MHz)

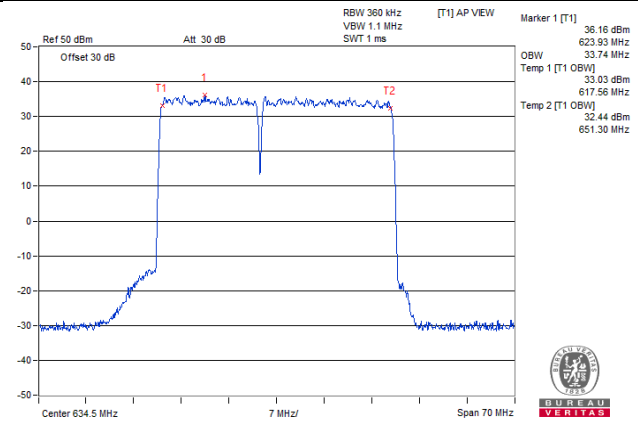
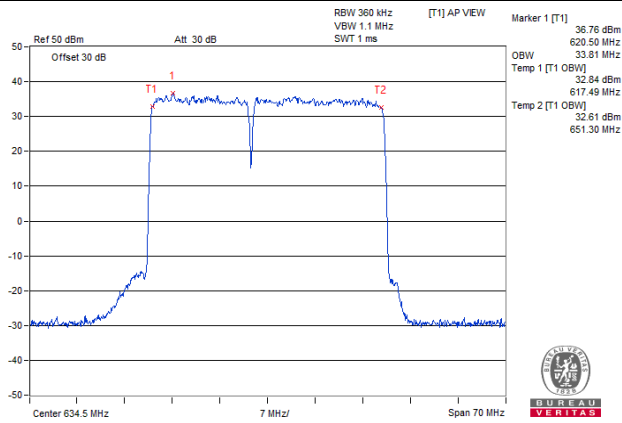
QPSK

16QAM



64QAM

256QAM





ANT2

