

Delta 1 [T1]

RBW 100 kHz RF Att 40 dB

Ref Lvl 30 dBm 0.89 dB VBW 300 kHz

SWT 5 ms Unit dBm

7 dB Offset

▼1 [T1] -6.35 dBm

710.90480962 MHz

▼2 [T2] 5.17034068 MHz

OP1 [T1] 4.52905812 MHz

▼T1 [T1] 13.77 dBm

711.24549098 MHz

▼T2 [T2] 12.39 dBm

715.77454910 MHz

1MAX

P1 19.28 dBm

P2 -6.72 dBm

Center 713.5 MHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 21:55:43

[illegible]

Ref Lvl 30 dBm Delta 1 [T1] -0.09 dB RBW 100 kHz RF Att 40 dB

30 dBm 5.31062124 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 18.01 dBm

1MAX

p2 -7.99 dBm

1MIN

Center 713.5 MHz 1 MHz/ Span 10 MHz

713.52464930 MHz -7.45 dBm

5.31062124 MHz -0.09 dB

5.31062124 MHz 12.44 dBm

711.24549098 MHz 12.32 dBm

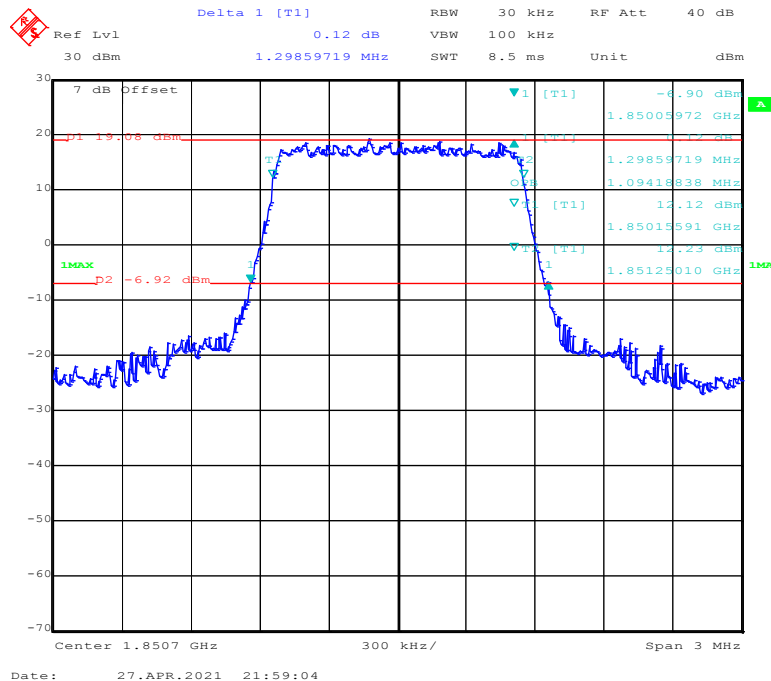
713.577454910 MHz

[illegible]

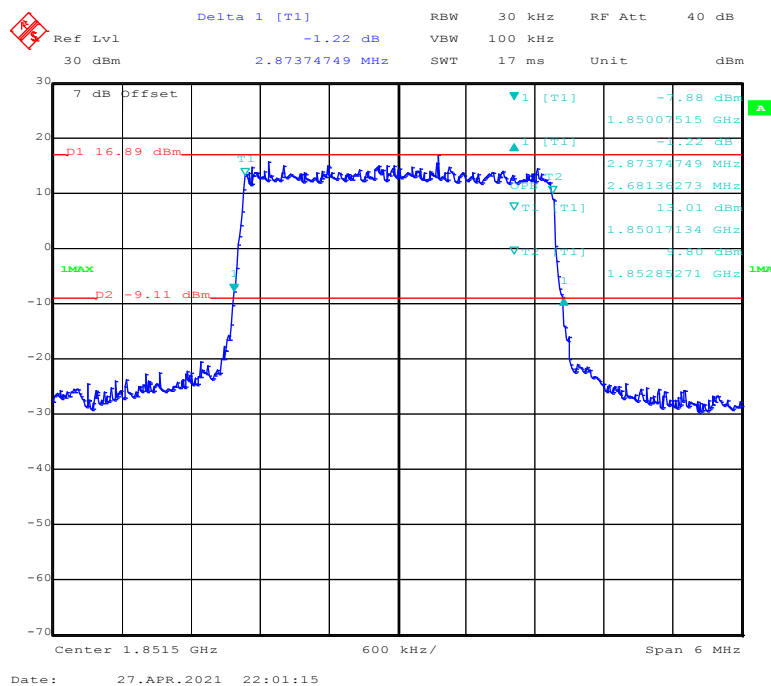
LTE Band 25:

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.299	1.094
	3M		2.874	2.681
	5M		5.271	4.569
	10M		9.900	9.018
	15M		15.331	13.647
	20M		19.479	18.036
	1.4M	Middle	1.311	1.094
	3M		2.874	2.681
	5M		5.170	4.529
	10M		9.860	8.978
	15M		15.030	13.527
	20M		19.880	18.036
	1.4M	High	1.287	1.106
	3M		2.886	2.693
	5M		5.110	4.529
	10M		9.940	8.978
	15M		15.030	13.527
	20M		19.399	17.956
16-QAM	1.4M	Low	1.287	1.106
	3M		2.874	2.681
	5M		5.170	4.549
	10M		9.860	8.978
	15M		15.090	13.587
	20M		19.559	18.036
	1.4M	Middle	1.293	1.100
	3M		2.874	2.681
	5M		5.150	4.529
	10M		9.860	8.978
	15M		15.210	13.527
	20M		19.719	18.036
	1.4M	High	1.293	1.100
	3M		2.862	2.681
	5M		5.210	4.569
	10M		9.780	8.978
	15M		15.030	13.527
	20M		19.559	18.036

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



Delta 1 [T1] 0.68 dB RBW 100 kHz RF Att 40 dB

Ref Lvl 30 dBm 5.27054108 MHz SWT 300 kHz Unit dBm

7 dB Offset

P1 18.84 dBm

1MAX

P2 -7.16 dBm

▼1 [T1] -7.43 dBm 1.84984469 GHz

▼2 [T1] 1.84984469 GHz

▼3 [T1] 5.27054108 MHz

▼4 [T1] 5.27054108 MHz

▼5 [T1] 10.86 dBm

▼6 [T1] 1.85022545 GHz

▼7 [T1] 1.85022545 GHz

▼8 [T1] 1.85479459 GHz

▼9 [T1] 1.85479459 GHz

Center 1.8525 GHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 22:03:33

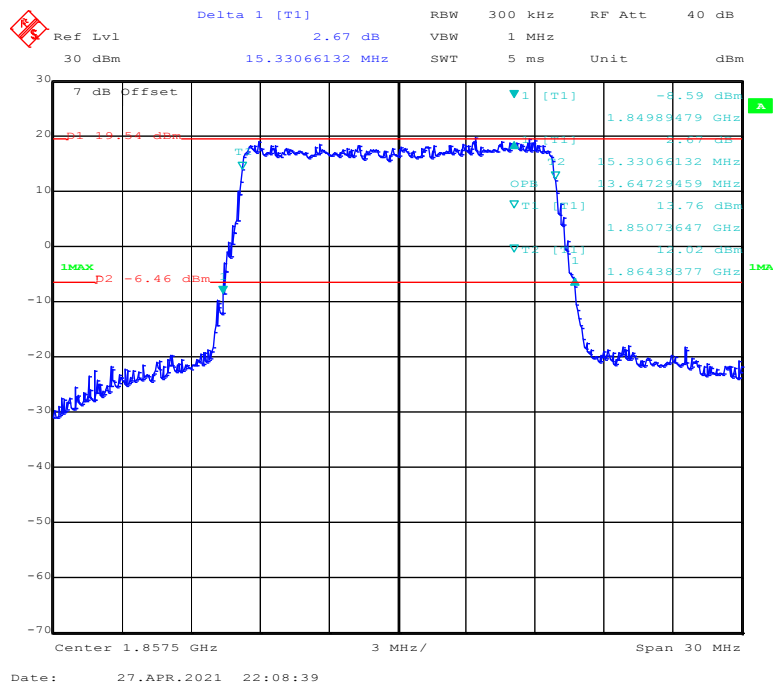
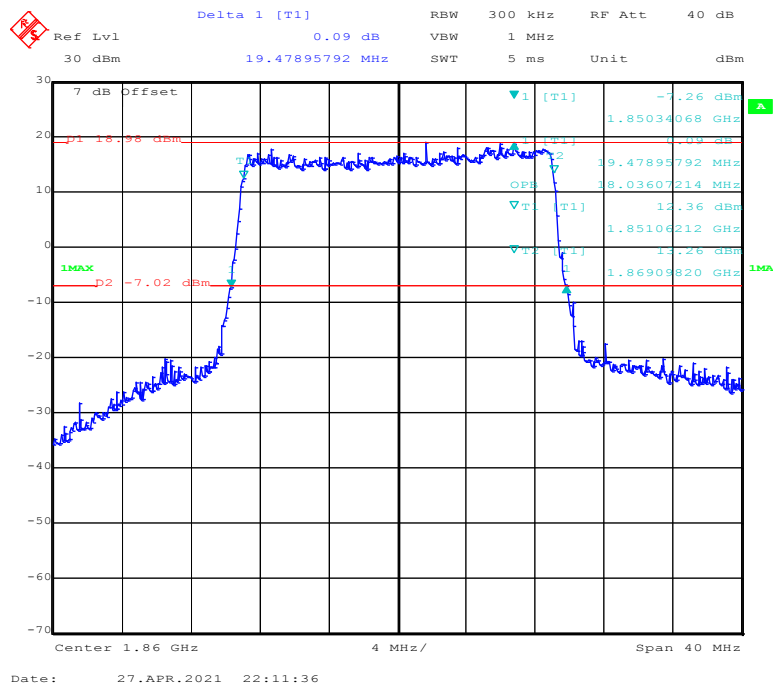
Ref Lvl 30 dBm Delta 1 [T1] 0.57 dB RBW 100 kHz RF Att 40 dB
 30 dBm 9.89979960 MHz SWT 5 ms Unit dBm

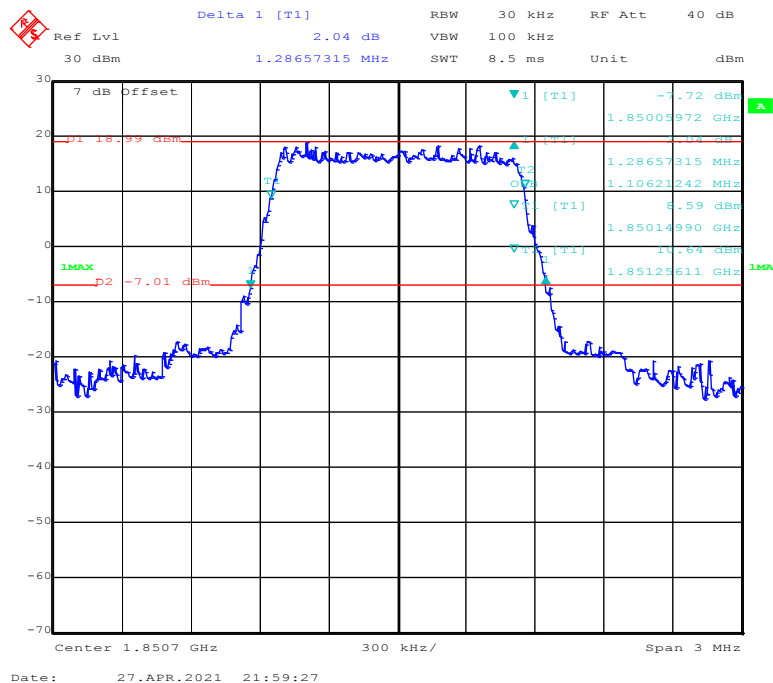
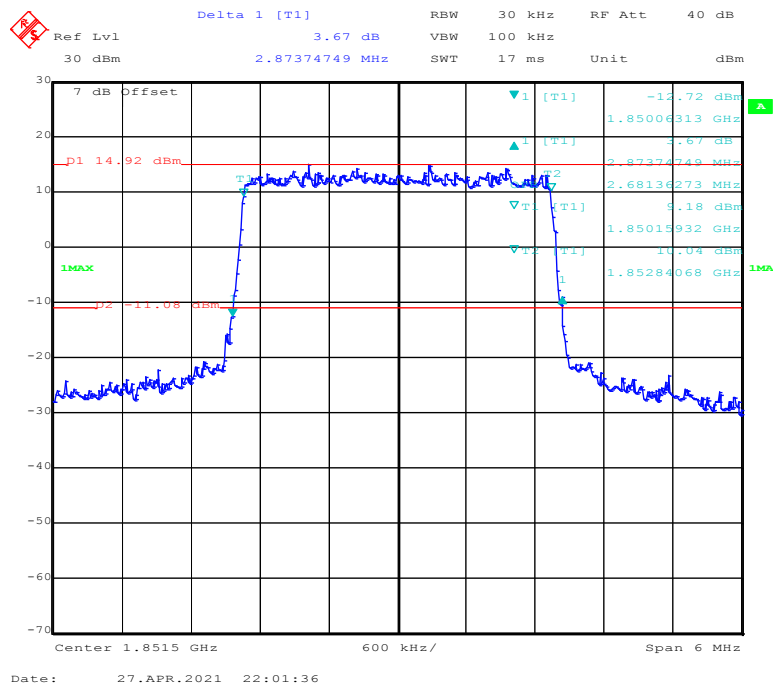
7 dB Offset
 P1 15.98 dBm
 P2 -10.02 dBm
 1MAX
 1MA

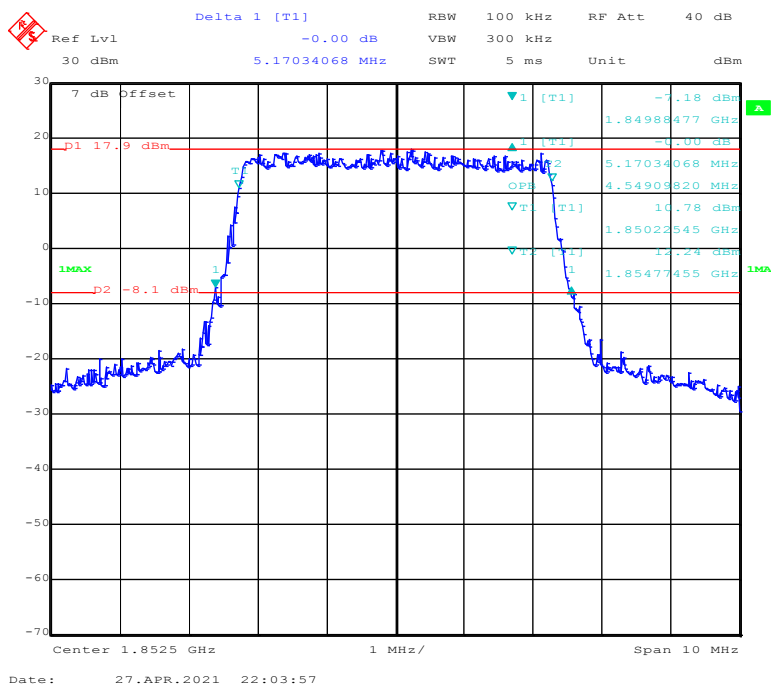
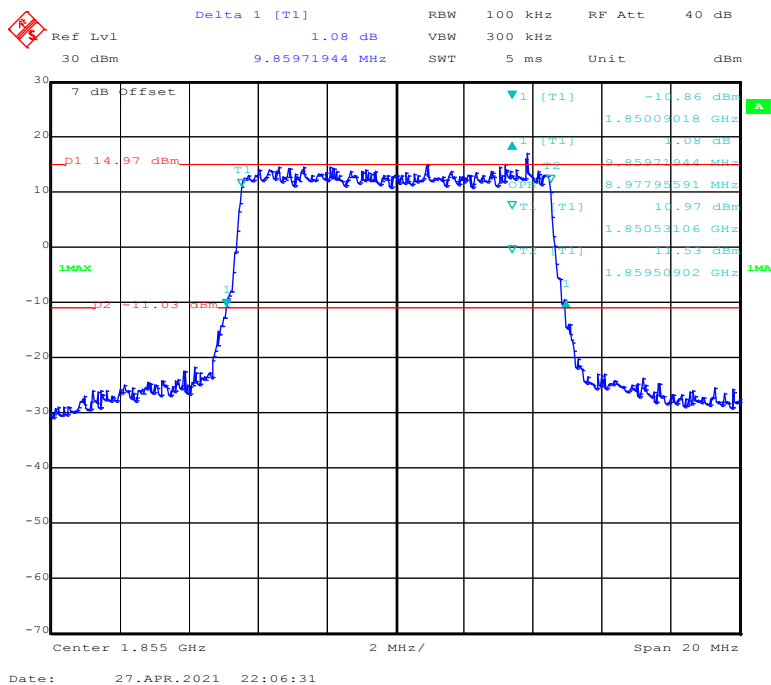
▼1 [T1] -10.72 dBm
 ▲1 [T1] 0.57 dB
 CPT1 9.89979960 MHz
 CPT2 9.01803607 MHz
 ▼T1 [T1] 13.47 dBm
 ▼T2 [T1] 13.80 dBm
 1.85005010 GHz
 1.85053106 GHz
 1.85954910 GHz

Center 1.855 GHz 2 MHz/ Span 20 MHz

Date: 27.APR.2021 22:06:09

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1] 2.70 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm 15.09018036 MHz SWT 5 ms Unit dBm

7 dB Offset

P1 18.66 dBm

P2 -7.34 dBm

1MAX

1MA

Center 1.8575 GHz 3 MHz/ Span 30 MHz

Date: 27.APR.2021 22:09:10

Delta 1 [T1] 0.81 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm 19.55911824 MHz VBW 1 MHz Unit dBm

SWT 5 ms

7 dB Offset

p1 -8.15 dBm

1.85106212 GHz

1.85034068 GHz

1.855911824 MHz

1.803607214 MHz

12.32 dBm

1.85106212 GHz

12.70 dBm

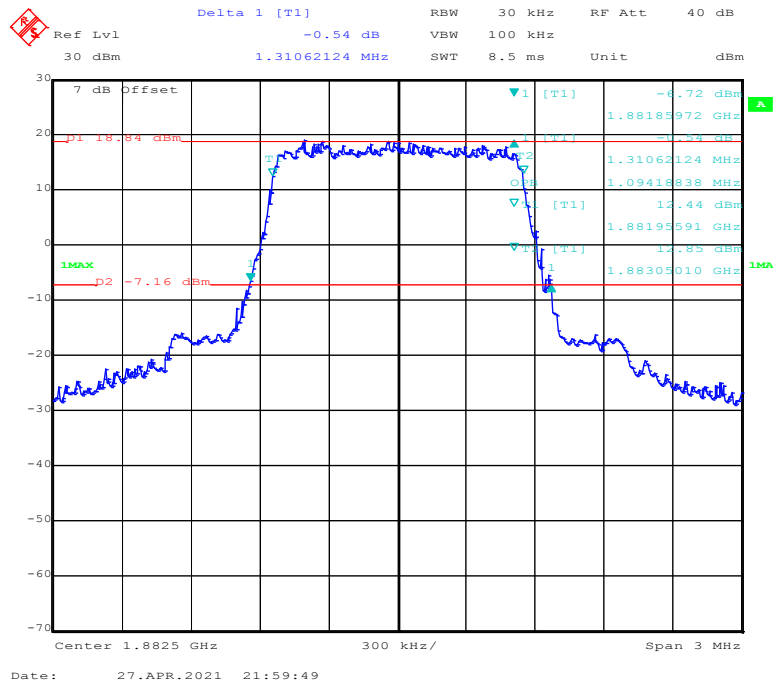
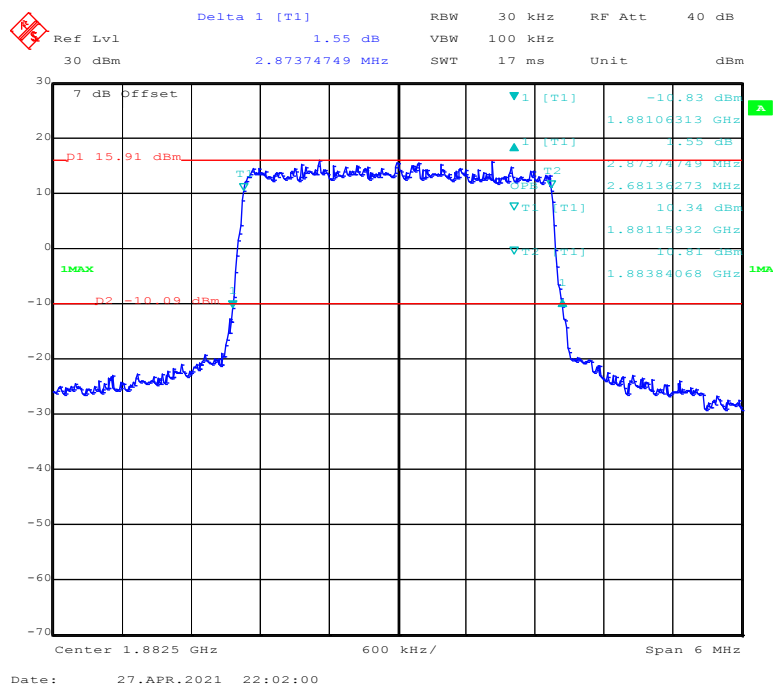
1.86909820 GHz

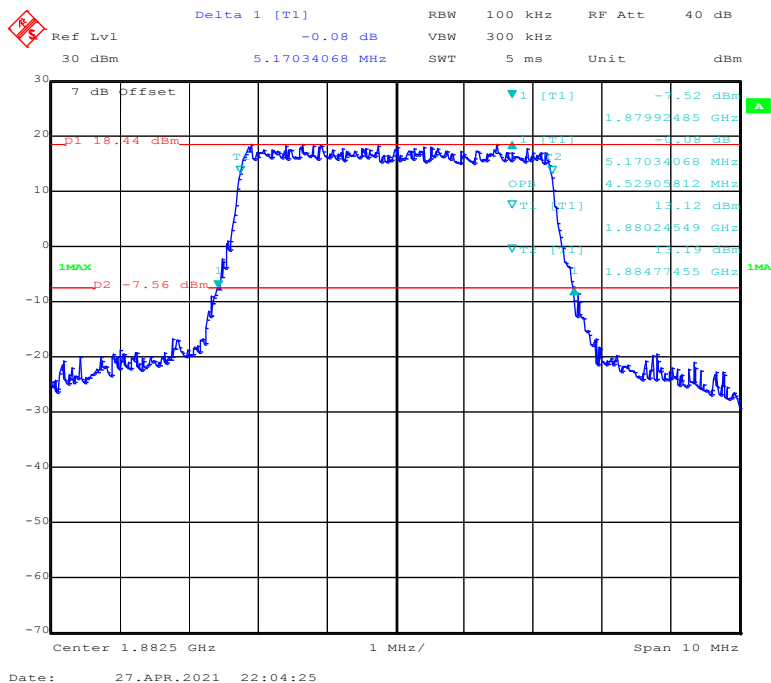
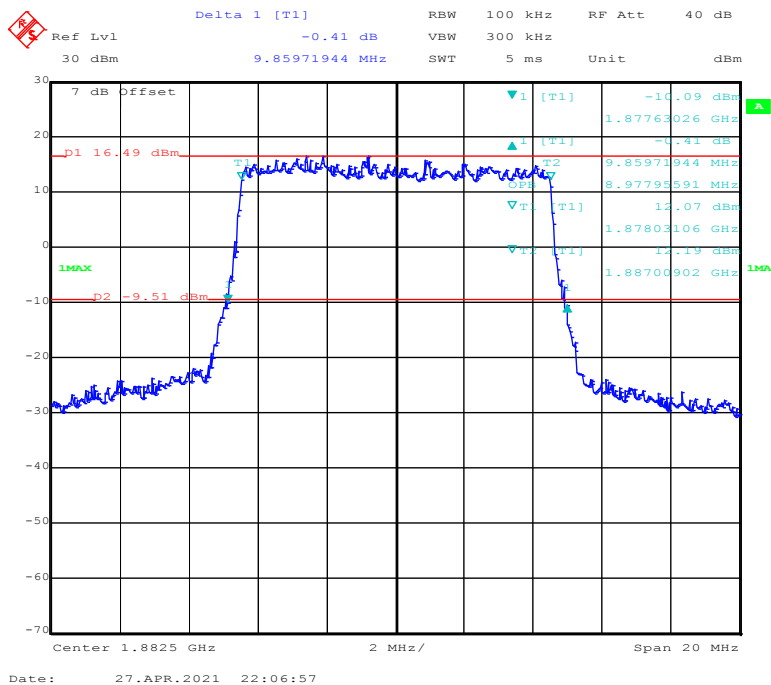
1MAX

p2 -7.47 dBm

Center 1.86 GHz 4 MHz/ Span 40 MHz

Date: 27.APR.2021 22:12:04

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

[illegible]

Delta 1 [T1] -1.16 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm Unit dBm

7 dB Offset

p1 18.19 dBm

1MAX

p2 -7.81 dBm

1 [T1] -1.16 dB

1.87260020 GHz

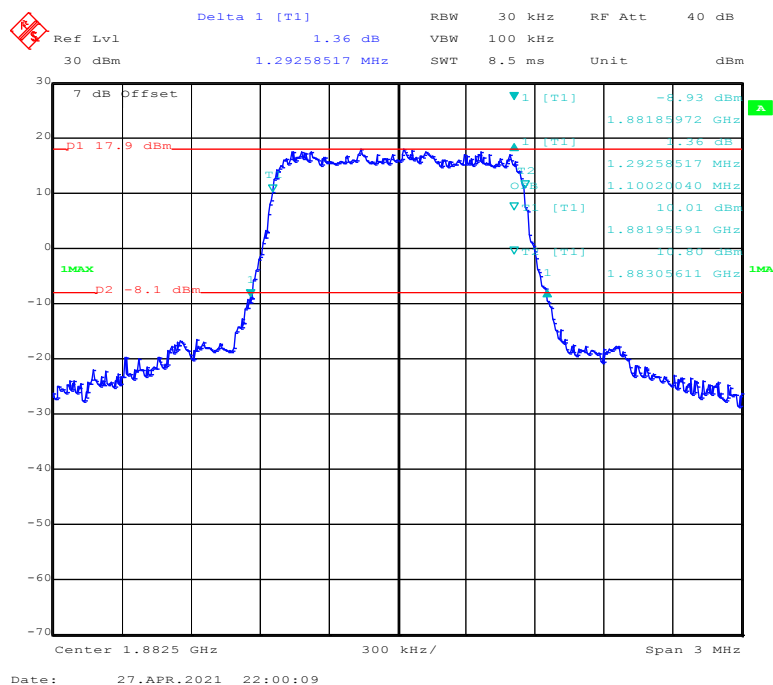
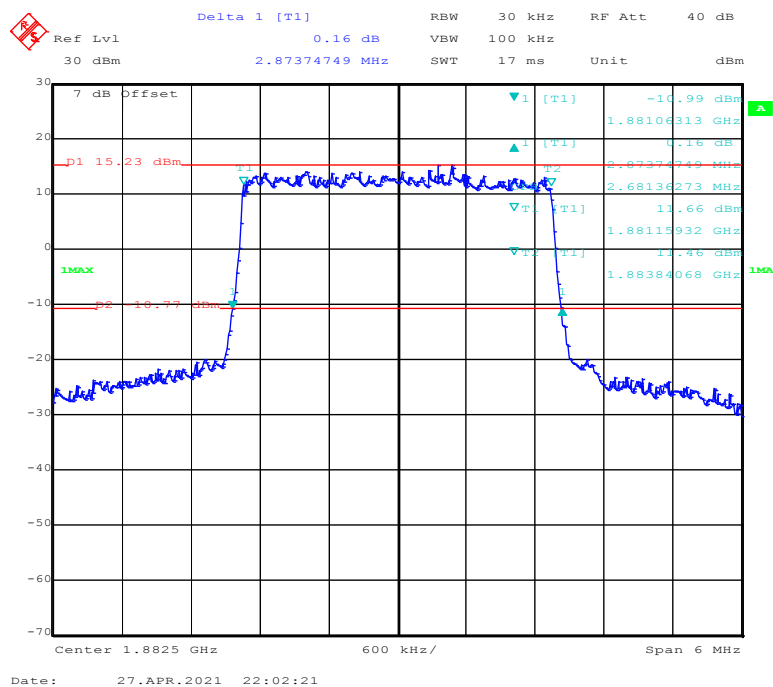
1.87975952 MHz

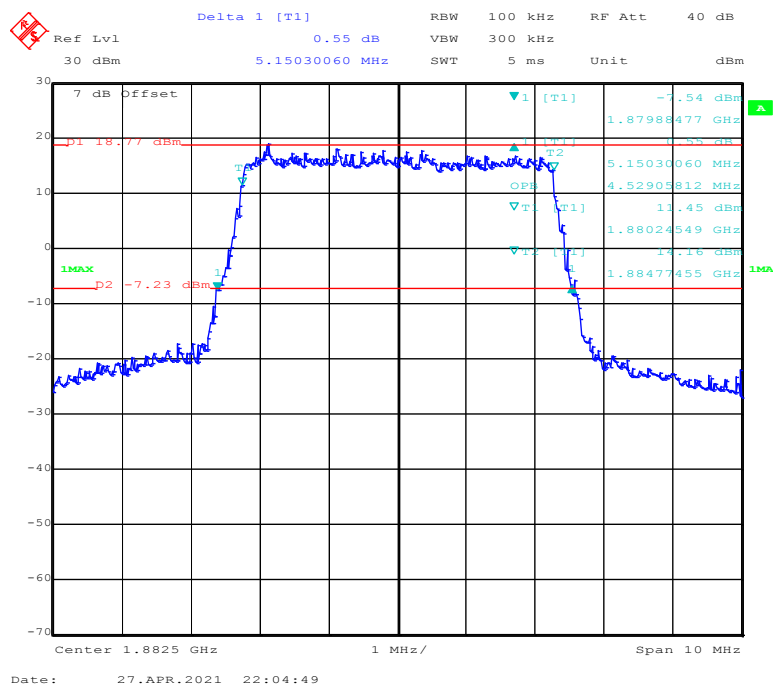
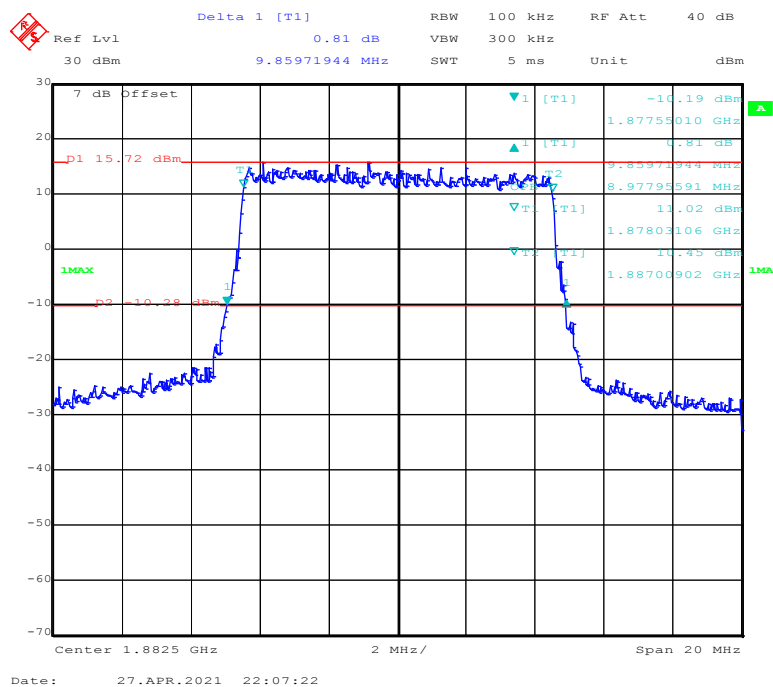
1.87348196 GHz

1.89151804 GHz

Center 1.8825 GHz 4 MHz/ Span 40 MHz

Date: 27.APR.2021 22:12:30

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1] 0.24 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm 15.21042084 MHz SWT 5 ms Unit dBm

7 dB Offset

P1 18.42 dBm

1MAX

P2 -7.58 dBm

▼1 [T1] -7.75 dBm 1.87483467 GHz

▼2 [T1] 15.21042084 MHz 12.77 dBm

▼3 [T1] 1.87573647 GHz 1.88926353 GHz

Center 1.8825 GHz 3 MHz/ Span 30 MHz

Date: 27.APR.2021 22:10:04

Delta 1 [T1]

Ref Lvl 3.48 dB

30 dBm 19.71943888 MHz

RBW 300 kHz RF Att 40 dB

VBW 1 MHz

SWT 5 ms Unit dBm

7 dB Offset

p1 17.92 dBm

1MAX -8.08 dBm

▼1 [T1] -10.77 dBm

▲1 [T1] 1.87260020 GHz

T1 19.71943888 MHz

OPB 19.03607214 MHz

▼T1 [T1] 12.54 dBm

1.87348196 GHz

▼T2 [T1] 13.21 dBm

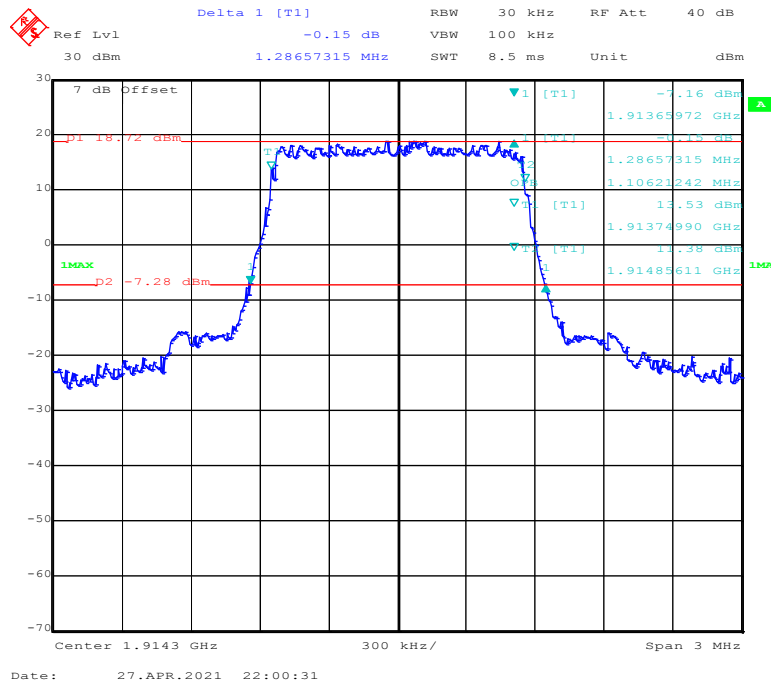
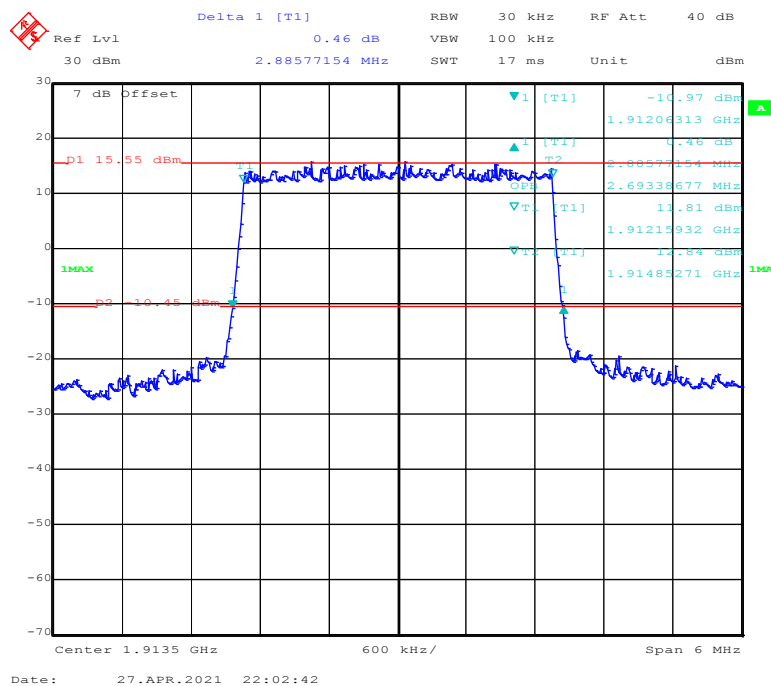
1 1.89151804 GHz

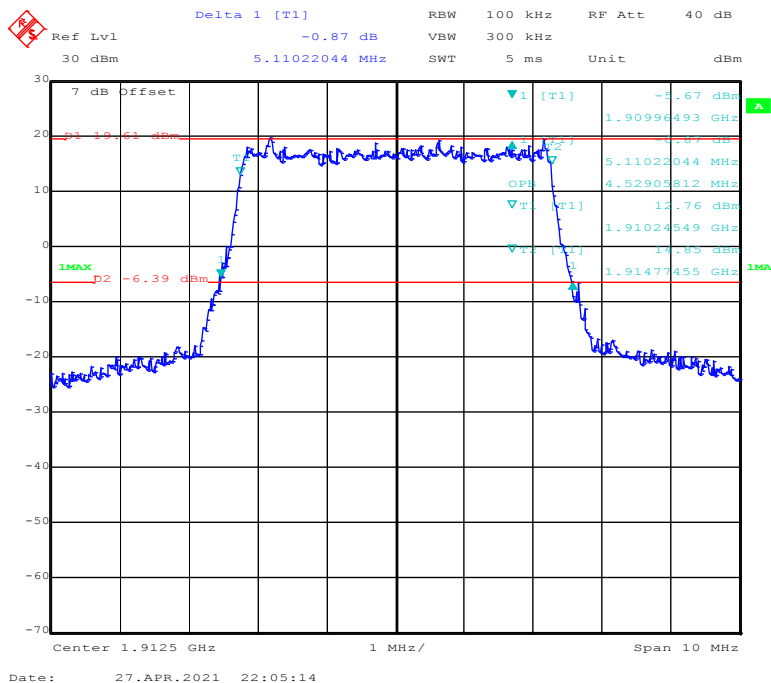
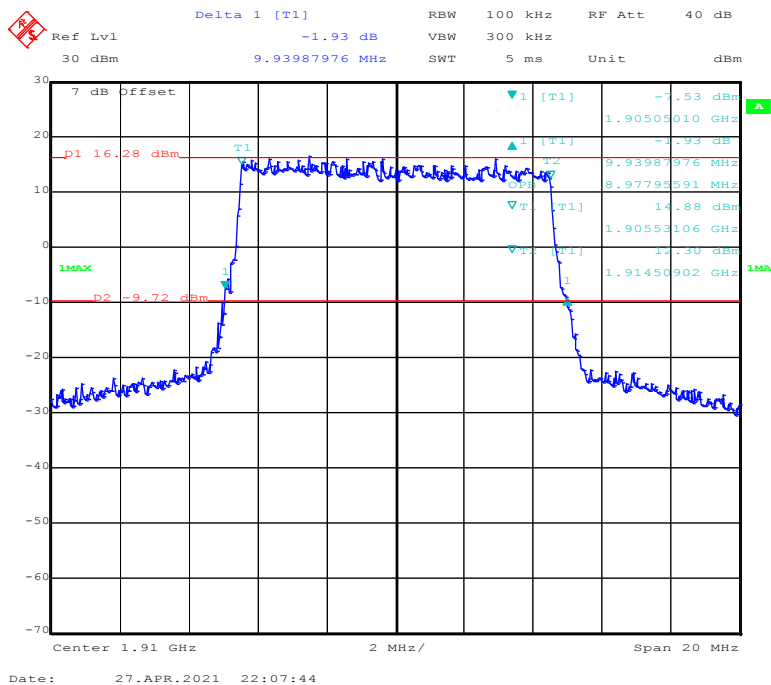
Center 1.8825 GHz

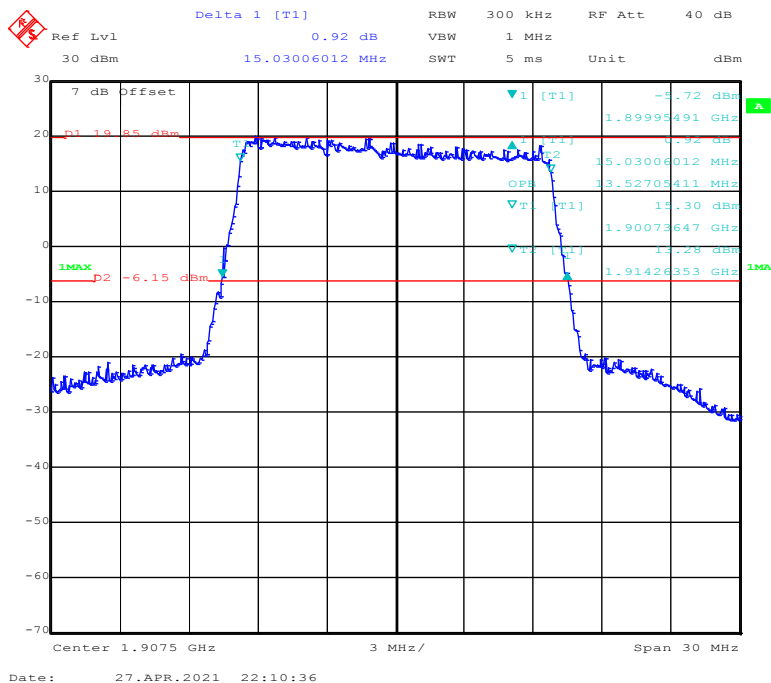
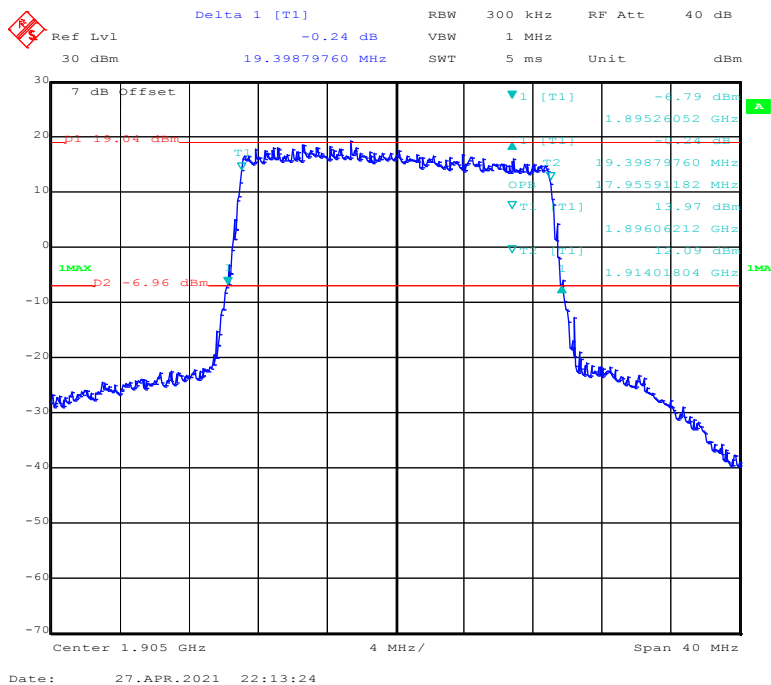
4 MHz/

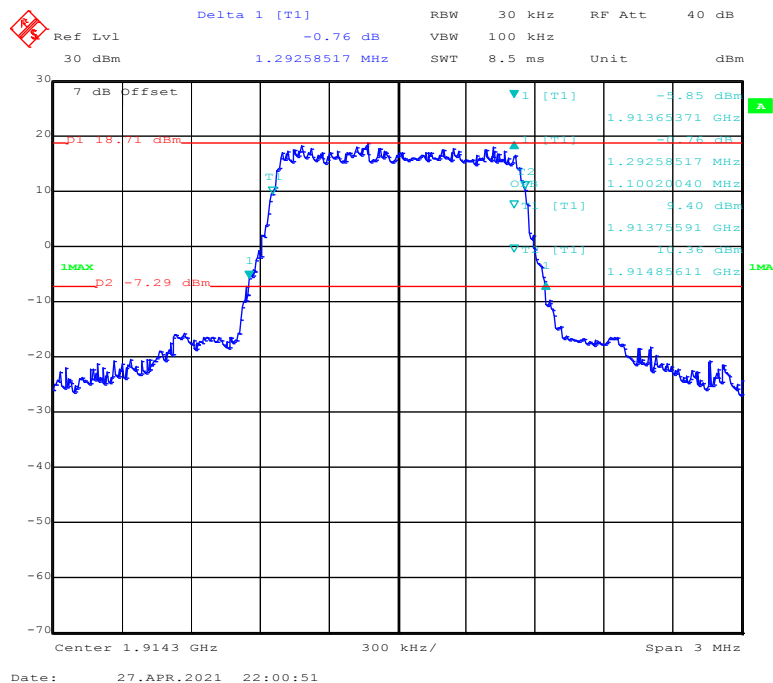
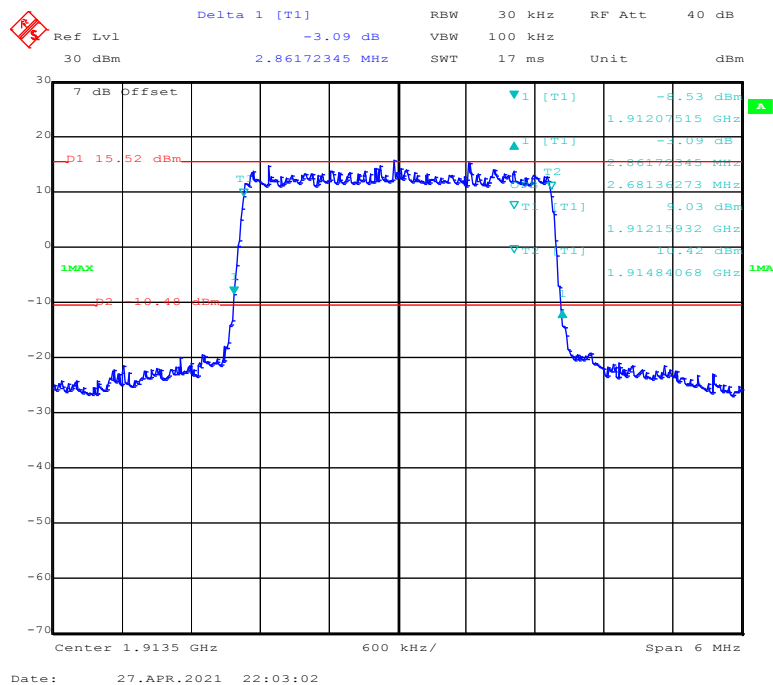
Span 40 MHz

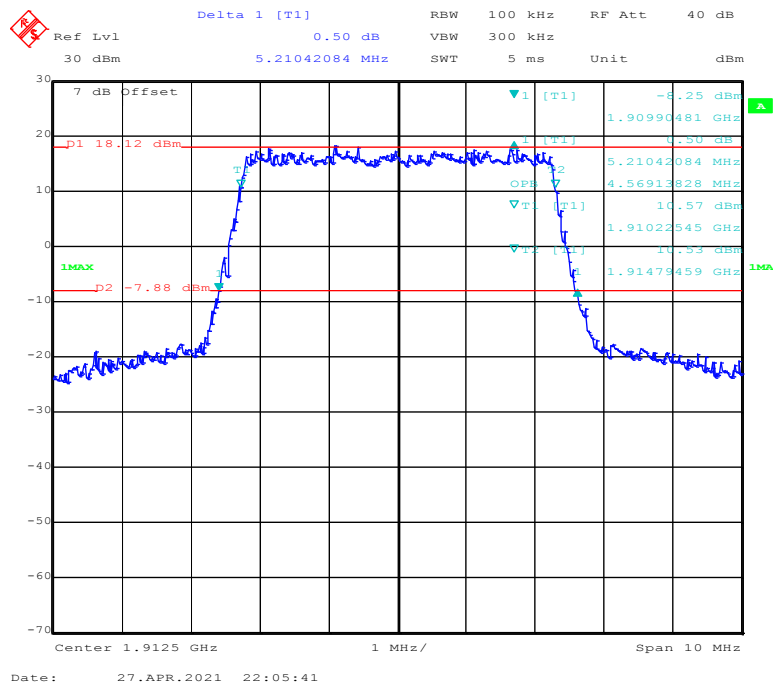
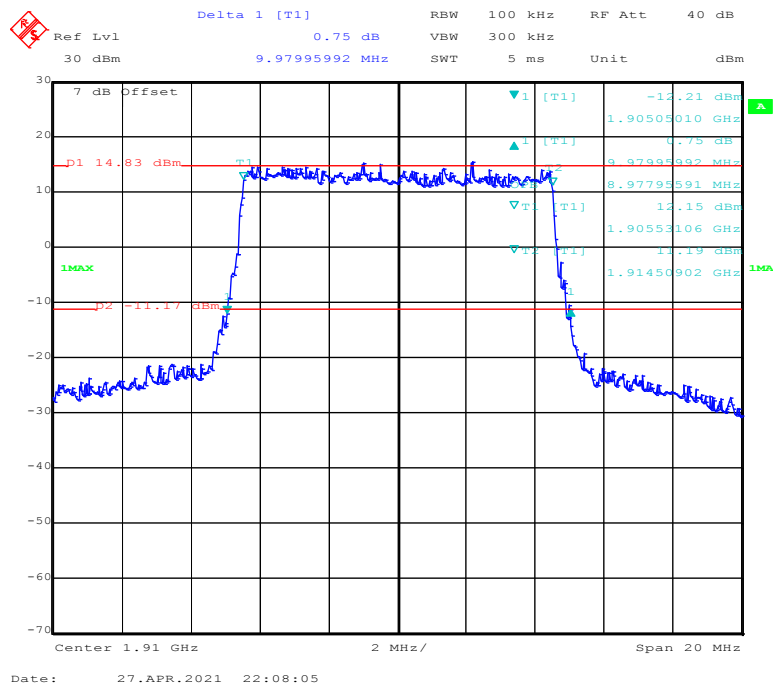
Date: 27.APR.2021 22:12:58

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

Delta 1 [T1]

Ref Lvl -1.19 dB

30 dBm 15.03006012 MHz

RBW 300 kHz RF Att 40 dB

SWT 5 ms Unit dBm

7 dB Offset

▼1 [T1] -6.41 dBm

1.90001503 GHz

▼2 [T1] -6.19 dBm

15.03006012 MHz

OP1 13.52705411 MHz

▼T1 [T1] 15.16 dBm

1.90073647 GHz

▼T2 [T1] 12.65 dBm

1.91426353 GHz

1MAX

P2 -6.89 dBm

Center 1.9075 GHz 3 MHz/ Span 30 MHz

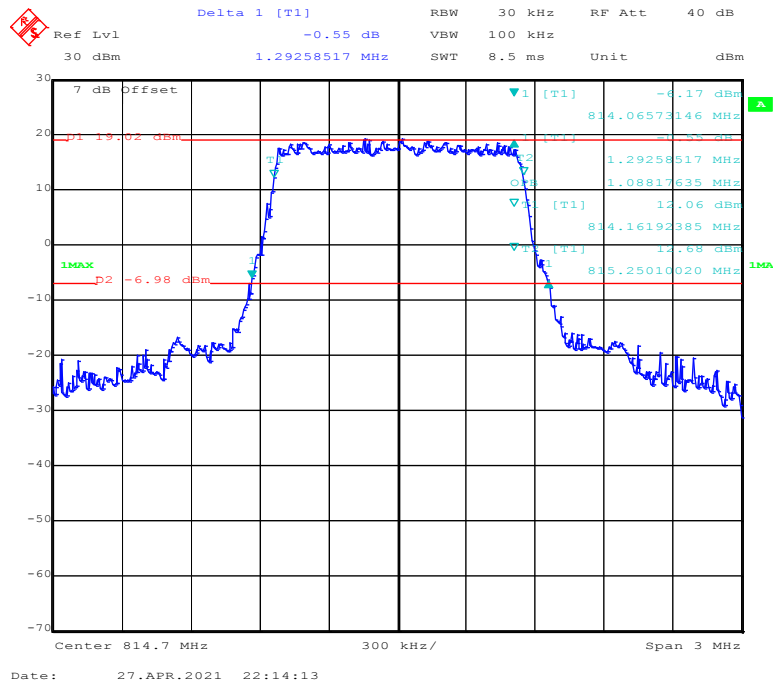
Date: 27.APR.2021 22:11:03

[illegible]

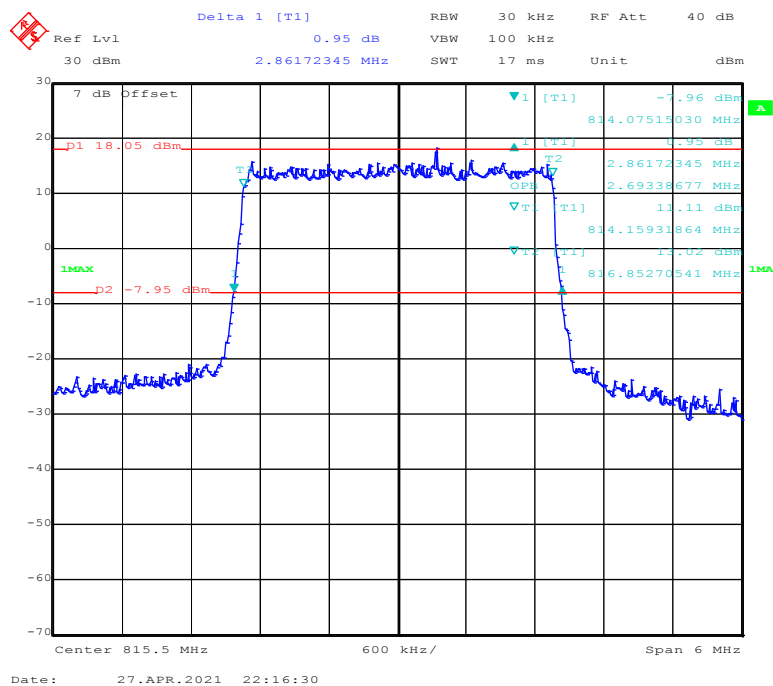
LTE Band 26:

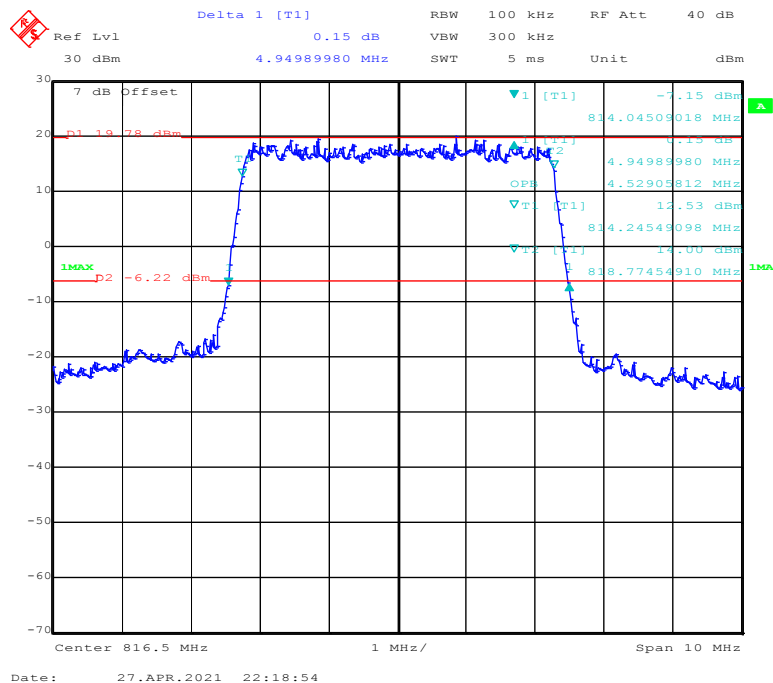
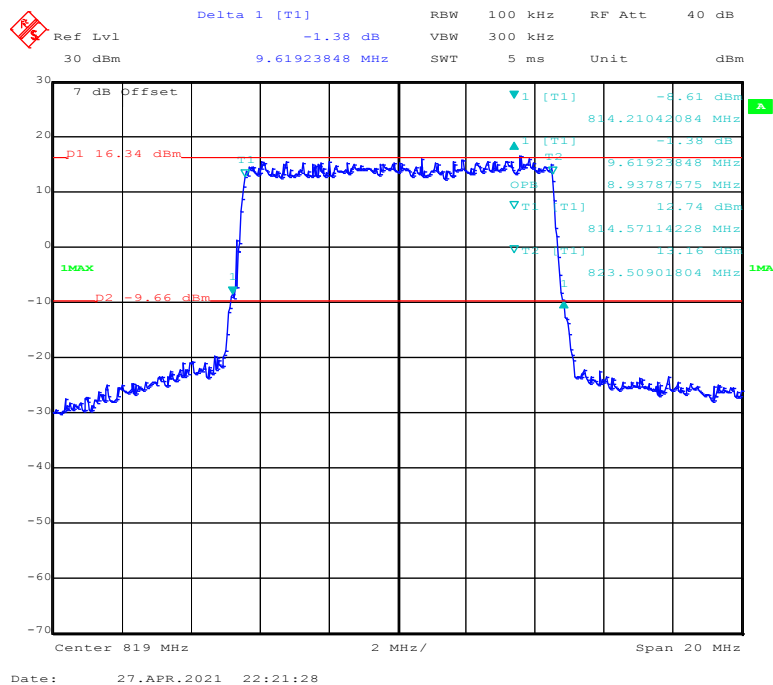
Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.293	1.088
	3M		2.862	2.693
	5M		4.950	4.529
	10M		9.619	8.938
	15M		14.729	13.527
	1.4M	Middle	1.299	1.100
	3M		2.874	2.693
	5M		4.950	4.529
	10M		9.579	8.978
	15M		14.790	13.527
	1.4M	High	1.269	1.100
	3M		2.886	2.693
	5M		4.910	4.509
	10M		9.579	8.978
	15M		14.790	13.527
16-QAM	1.4M	Low	1.293	1.106
	3M		1.898	2.693
	5M		4.950	4.509
	10M		9.499	8.978
	15M		14.669	13.467
	1.4M	Middle	1.287	1.094
	3M		2.862	2.693
	5M		4.950	4.529
	10M		9.619	8.978
	15M		14.79	13.527
	1.4M	High	1.281	1.094
	3M		2.874	2.693
	5M		4.970	4.509
	10M		9.579	8.978
	15M		14.669	13.467

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1] -0.67 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm SWT 5 ms Unit dBm

7 dB Offset

14.72945892 MHz

▼1 [T1] -5.84 dBm

824.19539078 MHz

▼2 [T1] -0.67 dB

14.72945892 MHz

OP1 13.52705411 MHz

▼T1 [T1] 15.12 dBm

824.79659319 MHz

▼T2 [T1] 13.07 dBm

828.32364729 MHz

1MAX -6.11 dBm

Center 821.5 MHz 3 MHz/ Span 30 MHz

Date: 27.APR.2021 22:23:56

[illegible]

Ref Lvl 30 dBm Delta 1 [T1] 1.27 dB RBW 30 kHz RF Att 40 dB

30 dBm 2.89779559 MHz SWT 17 ms Unit dBm

7 dB Offset

D1 15.24 dBm

1MAX

P2 -10.76 dBm

Center 815.5 MHz 600 kHz/ Span 6 MHz

Date: 27.APR.2021 22:16:54

Delta 1 [T1] -1.67 dB RBW 100 kHz RF Att 40 dB

Ref Lvl 30 dBm 4.94989980 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 18.42 dBm

1MAX

p2 -7.58 dBm

▼1 [T1] -4.51 dBm

824.04509018 MHz

4.94989980 MHz

4.50901804 MHz

▼T1 [T1] 13.09 dBm

834.26553106 MHz

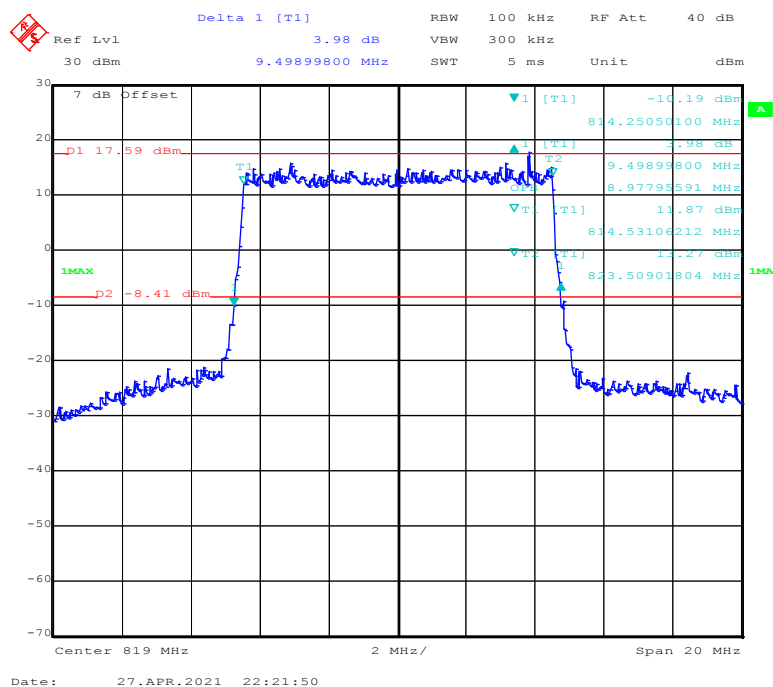
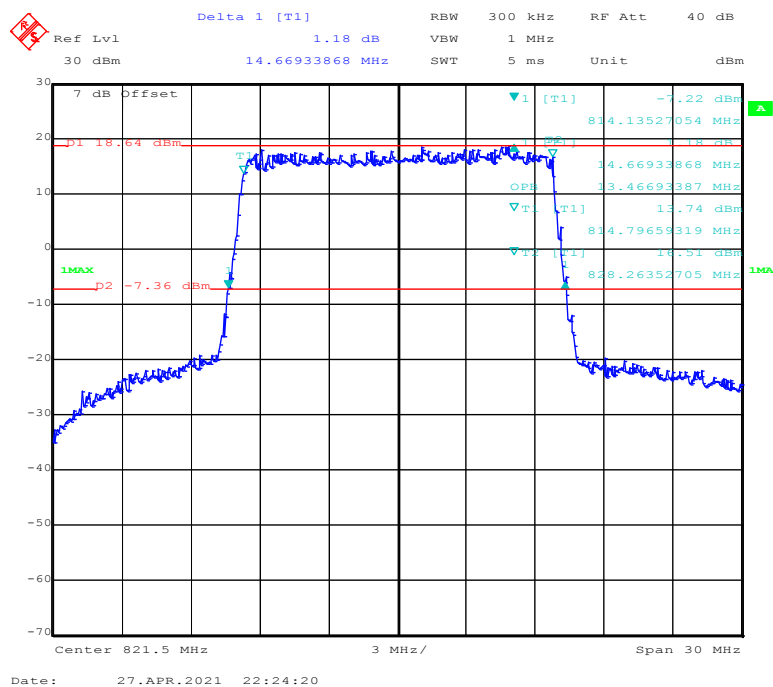
▼T1 [T1] 12.78 dBm

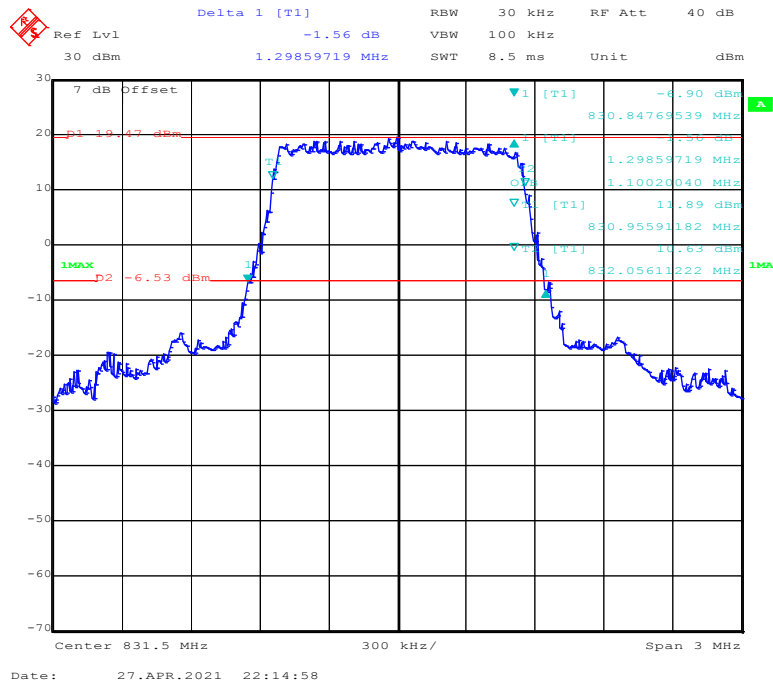
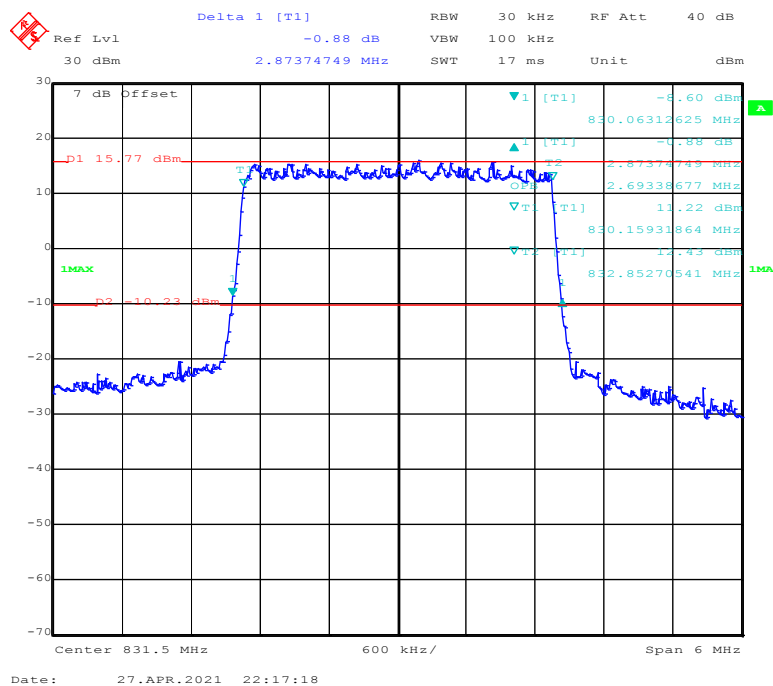
838.77454910 MHz

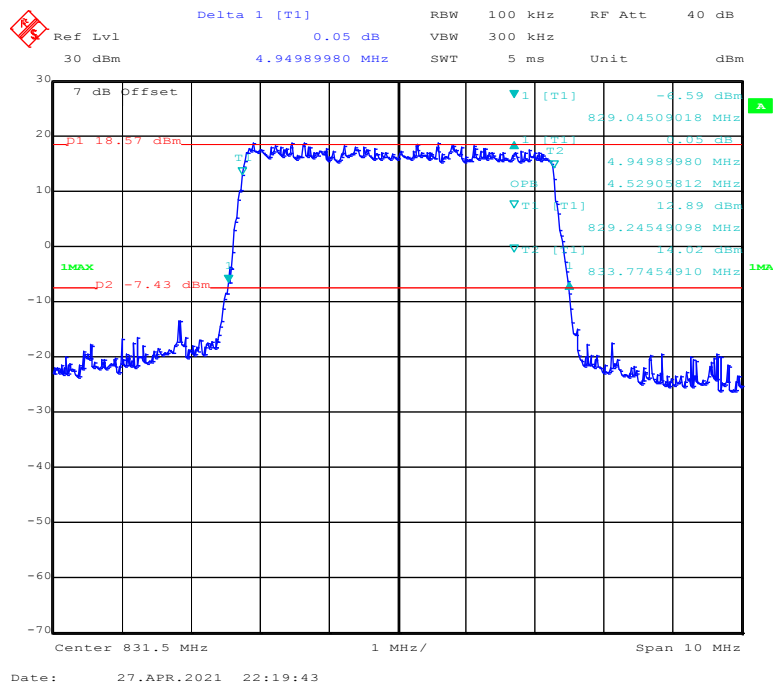
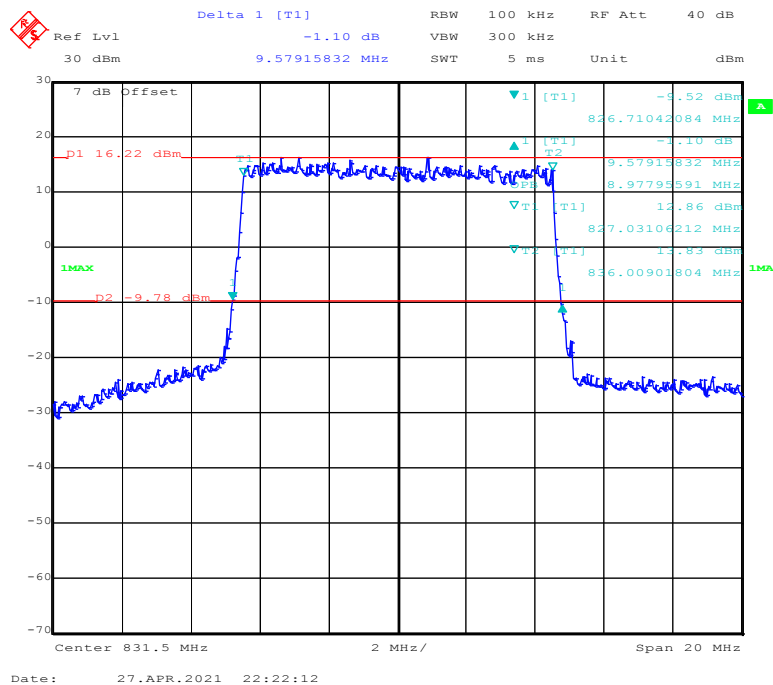
1MAX

Center 816.5 MHz 1 MHz/ Span 10 MHz

Date: 27.APR.2021 22:19:18

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1] -3.16 dB RBW 300 kHz RF Att 40 dB

Ref Lvl 30 dBm 14.78957916 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 20.48 dBm

1MAX p2 -5.52 dBm

▼1 [T1] -3.50 dBm

824.13527054 MHz

▼2 [T2] -3.16 dB

14.78957916 MHz

OPB 13.52705411 MHz

▼T1 [T1] 14.53 dBm

824.73647295 MHz

▼T2 [T2] 14.61 dBm

828.26352705 MHz

Center 831.5 MHz 3 MHz/ Span 30 MHz

Date: 27.APR.2021 22:24:48

Ref Lvl 30 dBm Delta 1 [T1] -0.65 dB RBW 30 kHz RF Att 40 dB

30 dBm 1.28657315 MHz SWT 8.5 ms Unit dBm

7 dB Offset

p1 18.11 dBm

1MAX

p2 -7.89 dBm

▼1 [T1] -7.87 dBm

830.86573146 MHz

▼2 [T1] -0.65 dB

1.28657315 MHz

▼3 [T1] 11.21 dBm

830.95591182 MHz

▼4 [T1] 10.90 dBm

832.05010020 MHz

1MAX

Center 831.5 MHz 300 kHz/ Span 3 MHz

Date: 27.APR.2021 22:15:22

Ref Lvl 30 dBm Delta 1 [T1] -0.52 dB RBW 30 kHz RF Att 40 dB

30 dBm 2.86172345 MHz SWT 17 ms Unit dBm

7 dB Offset

D1 15.55 dBm

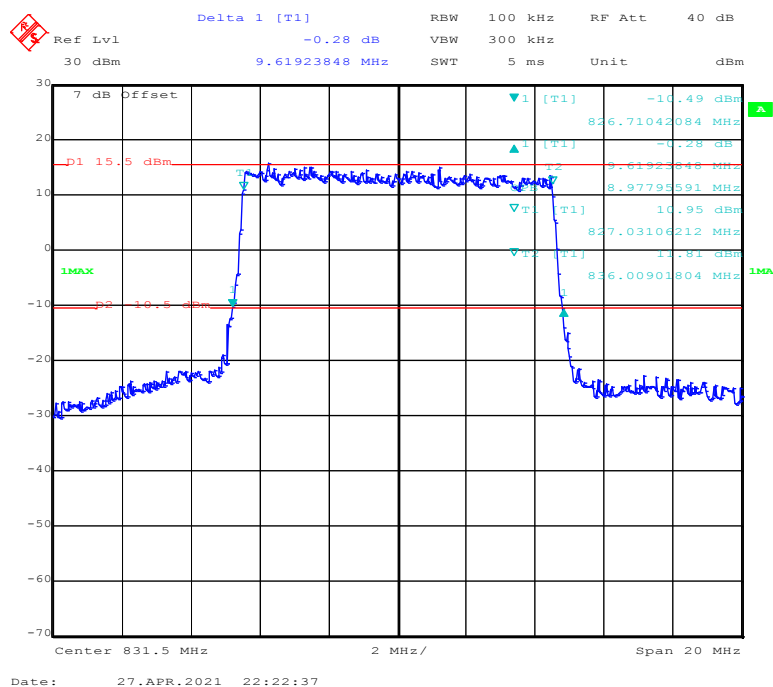
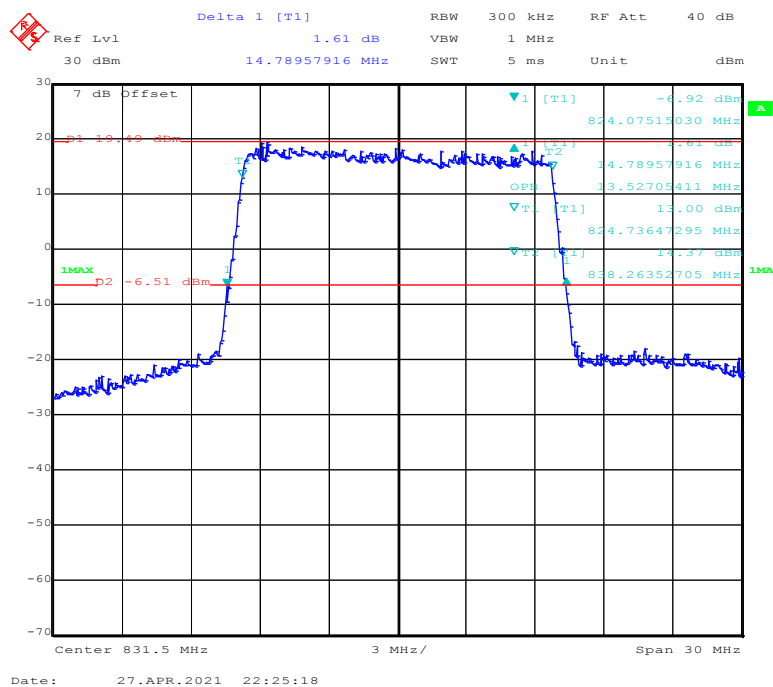
1MAX

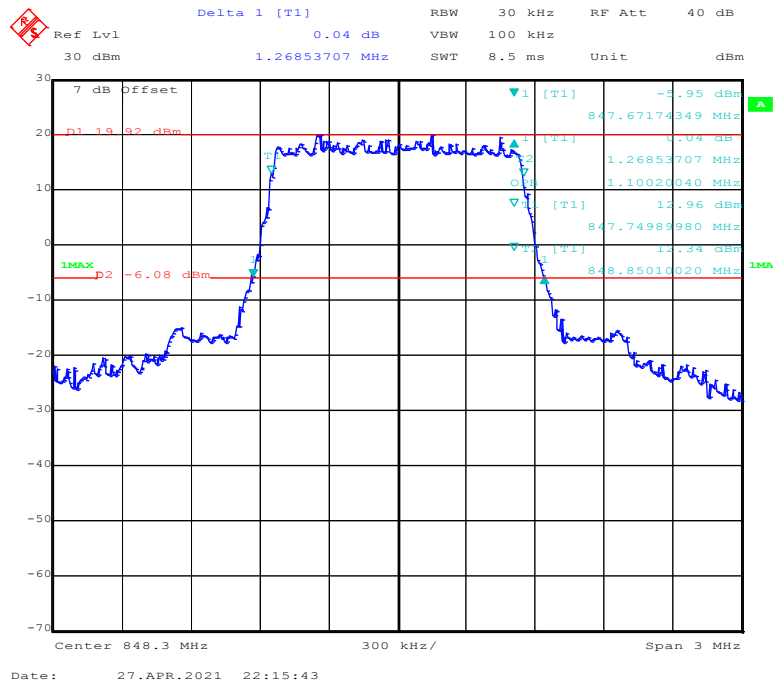
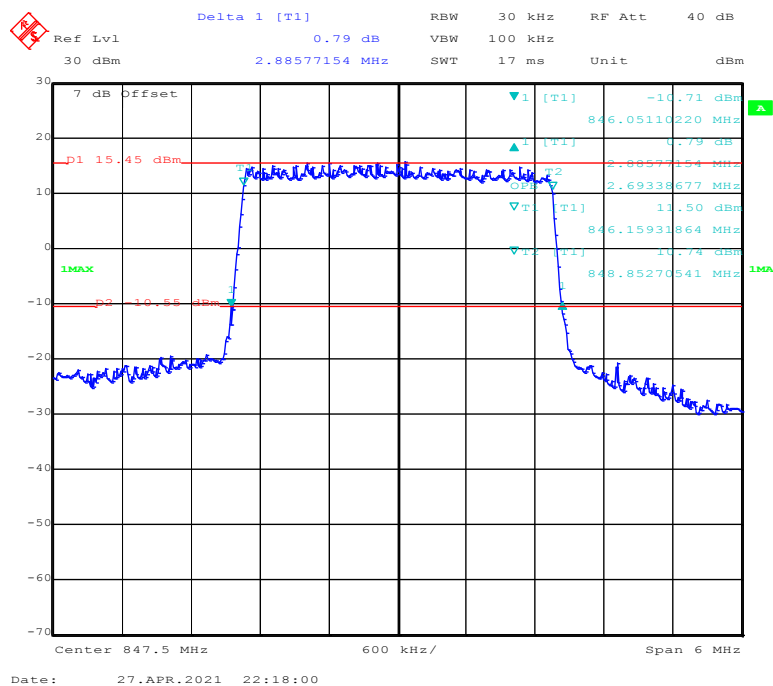
D2 -10.15 dBm

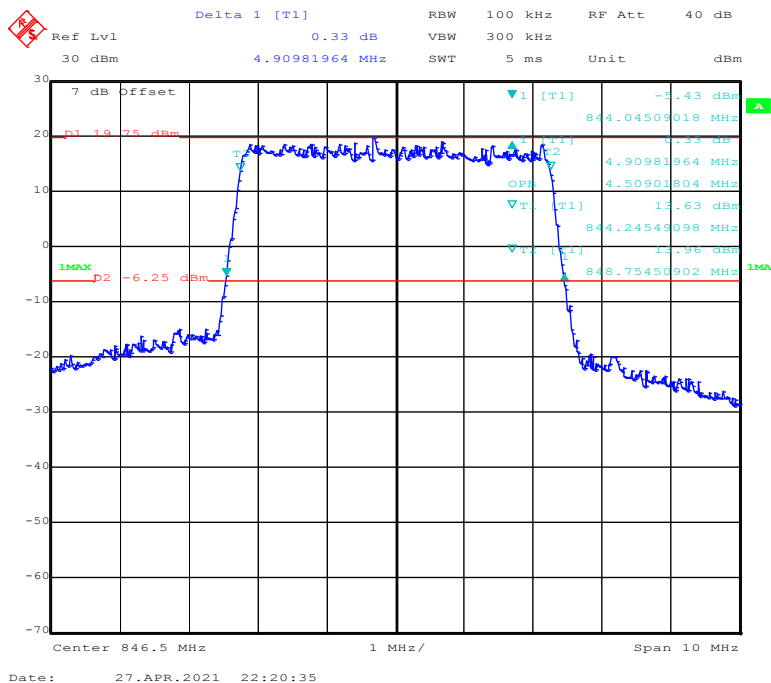
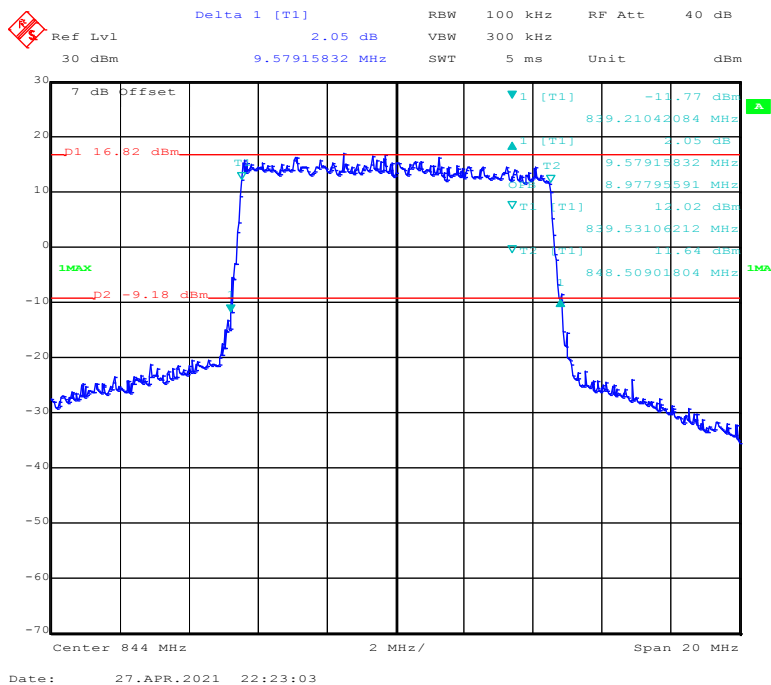
Center 831.5 MHz 600 kHz/ Span 6 MHz

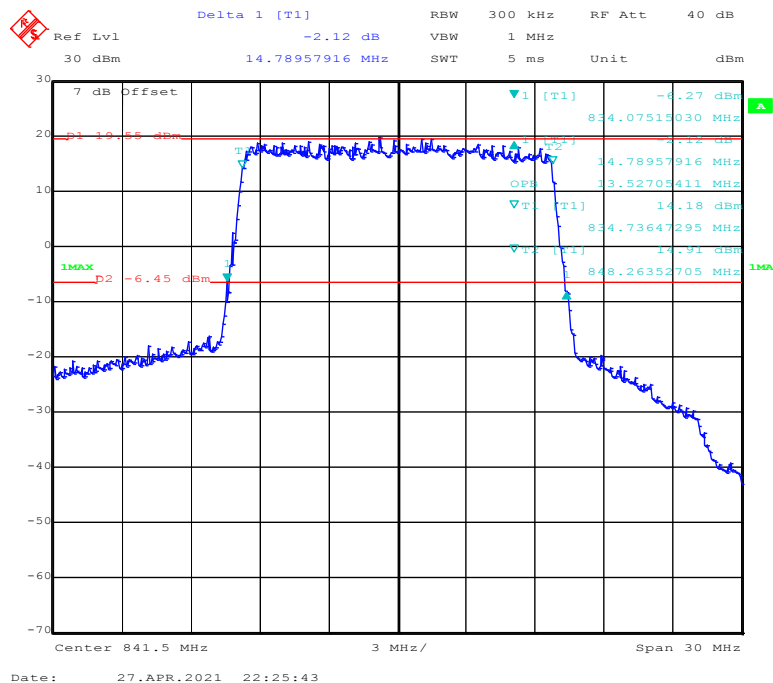
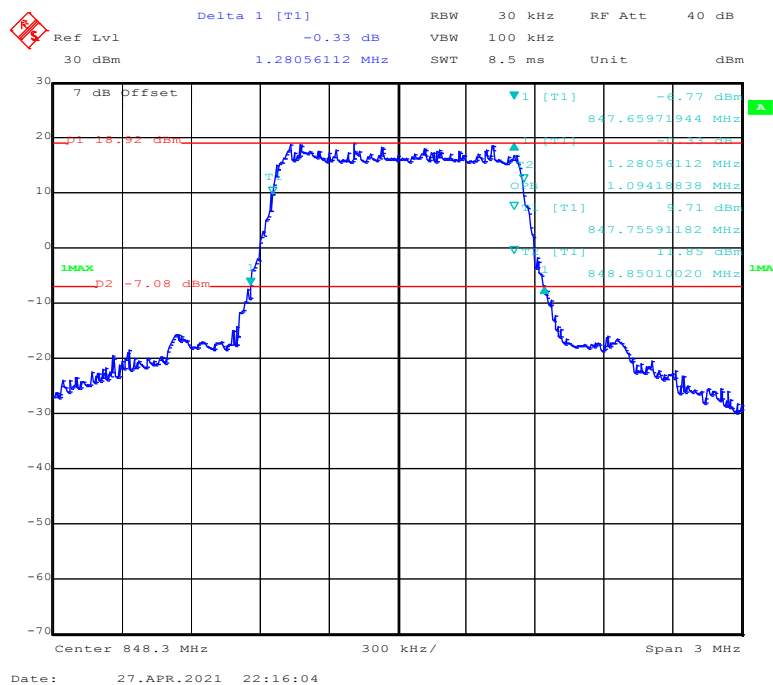
Date: 27.APR.2021 22:17:39

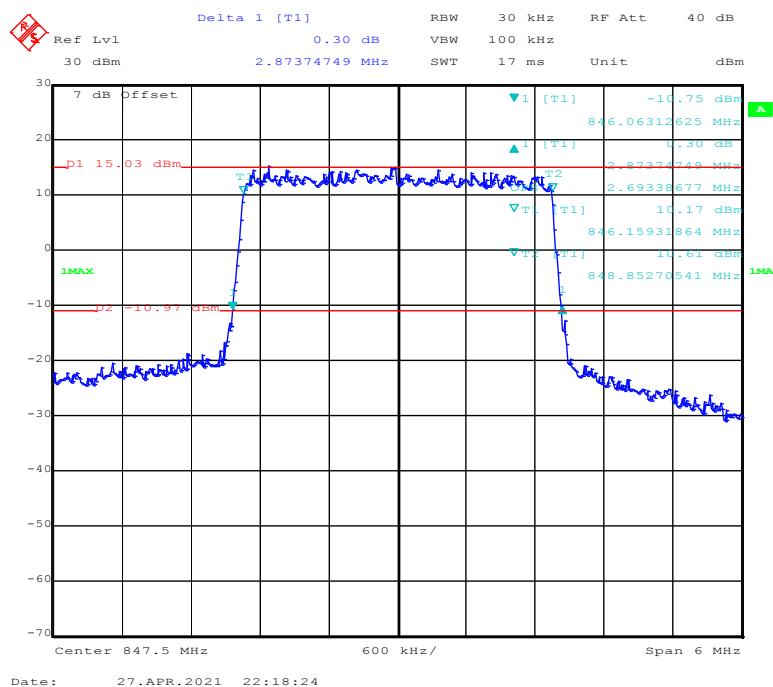
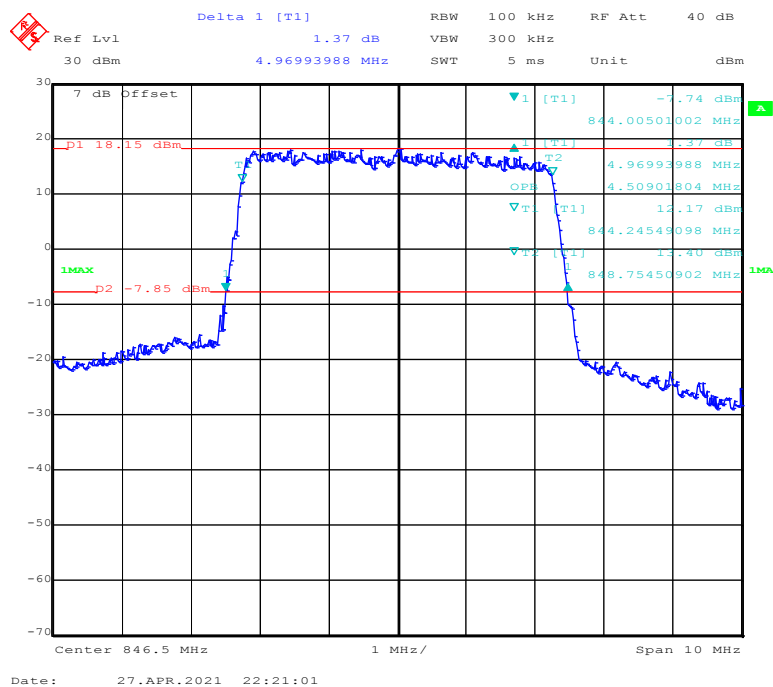
[illegible]

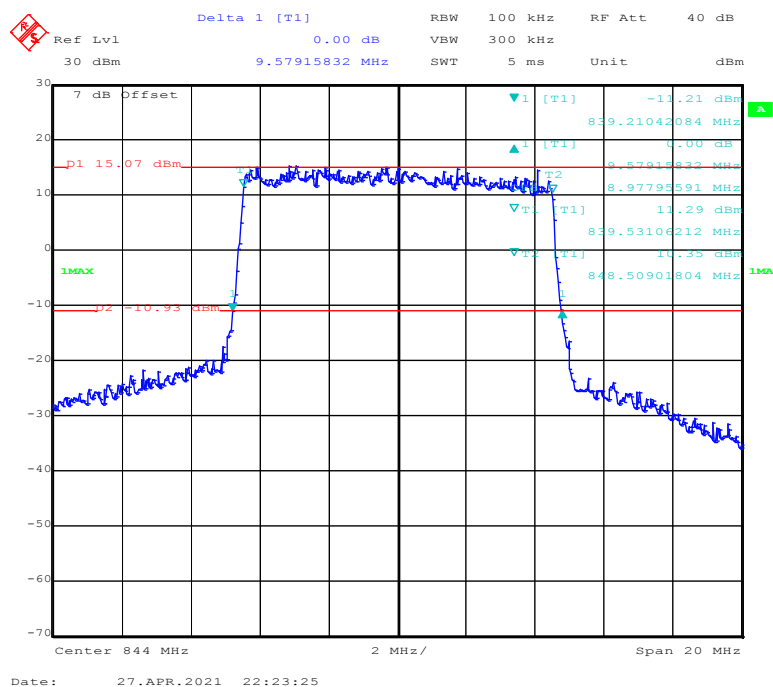
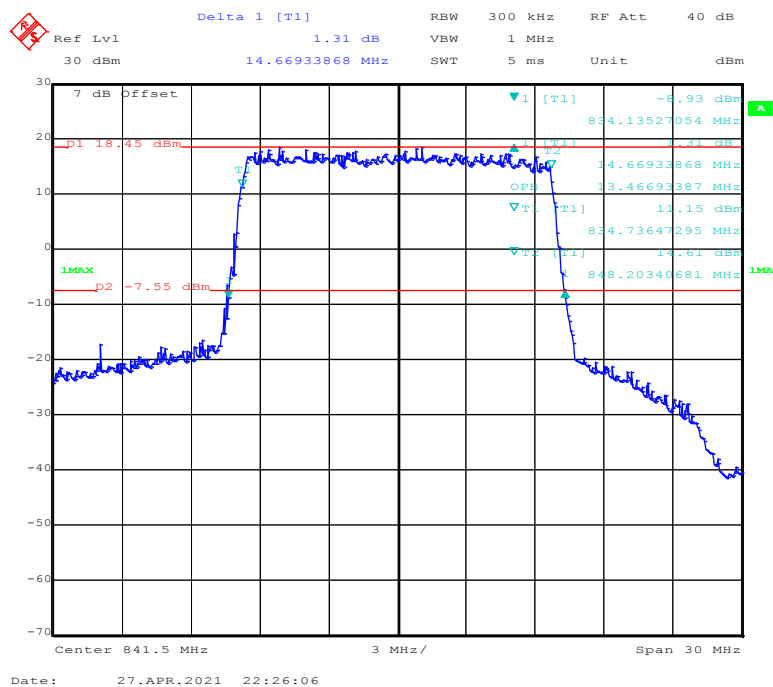
16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

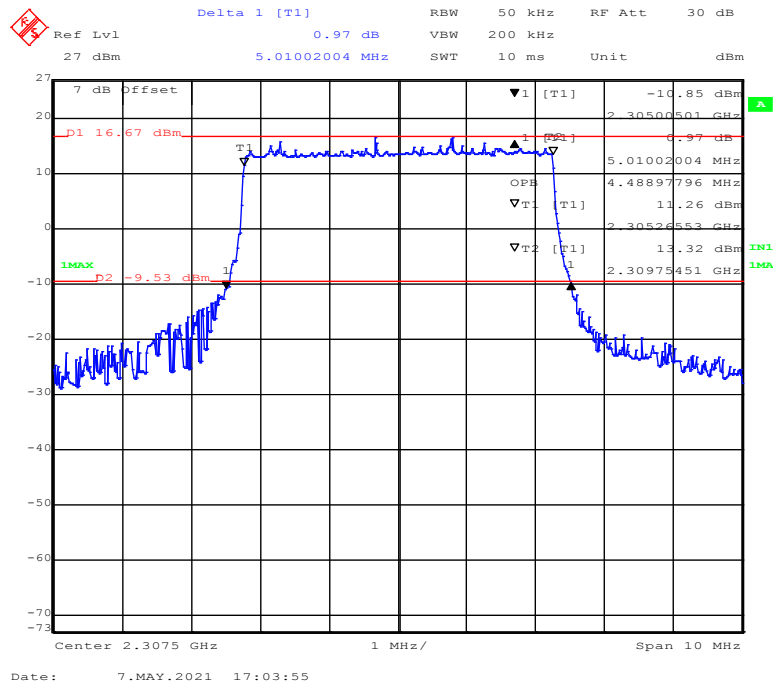
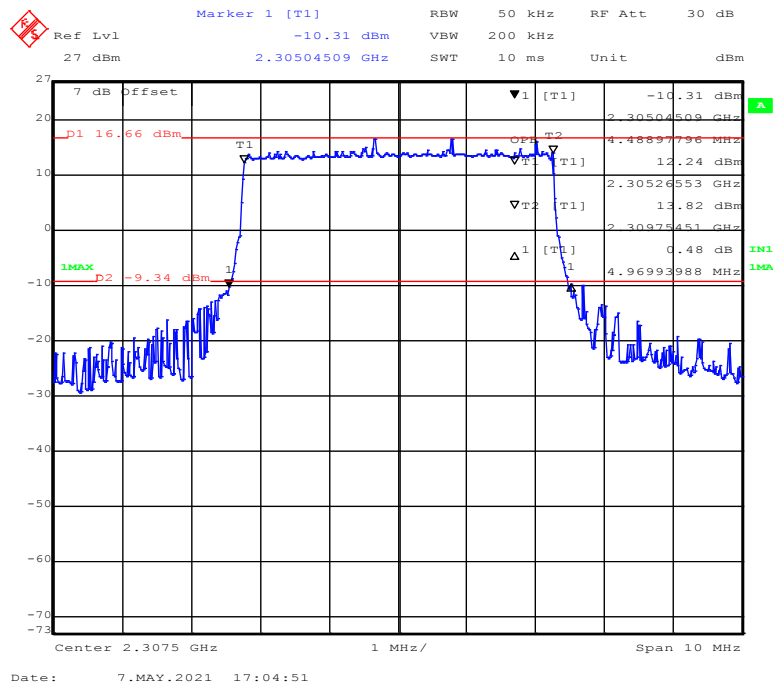
QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

LTE Band 40:**2305-2315MHz**

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	5M	Low	5.010	4.489
	5M	Middle	5.050	4.489
	10M		9.825	8.978
	5M	High	4.930	4.489
16-QAM	5M	Low	4.970	4.489
	5M	Middle	5.070	4.489
	10M		9.905	8.978
	5M	High	4.950	4.489

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1] RBW 50 kHz RF Att 30 dB
 Ref Lvl -0.24 dB VBW 200 kHz
 27 dBm 5.05010020 MHz SWT 10 ms Unit dBm

7 dB Offset
 D1 15.99 dBm
 D2 -10.01 dBm
 IMAX
 IN1
 IMAX

Center 2.31 GHz 1 MHz/ Span 10 MHz

Date: 7.MAY.2021 17:00:46

Ref Lvl 27 dBm
 2.30509018 GHz
 RBW 100 kHz
 VBW 300 kHz
 SWT 5 ms
 RF Att 30 dB
 Unit dBm

7 dB Offset
 -10.61 dBm
 15.36 dBm
 1MAX
 -0.63 dBm
 1

Center 2.31 GHz
 2 MHz/
 Span 20 MHz

Delta 1 [T1] 1.57 dB

RBW 50 kHz RF Att 30 dB

Ref Lvl 27 dBm 5.07014028 MHz SWT 10 ms Unit dBm

7 dB Offset

OPB

IN1

1MAX

Center 2.31 GHz 1 MHz/ Span 10 MHz

Date: 7.MAY.2021 16:59:24

[illegible]

[illegible]

Delta 1 [T1] 1.63 dB

RBW 50 kHz RF Att 30 dB

VBW 200 kHz

SWT 10 ms Unit dBm

Ref Lvl 27 dBm

7 dB Offset

▼1 [T1] -11.44 dBm

2 31002505 GHz

1.63 dB

4.94989980 MHz

OPB

▼T1 [T1] 11.67 dBm

2 31026553 GHz

▼T2 [T1] 11.65 dBm

2.31475451 GHz

1MAX

P1 15.24 dBm

P2 -10.76 dBm

Center 2.3125 GHz

1 MHz/

Span 10 MHz

Date: 7.MAY.2021 17:01:50

2350-2360MHz

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	5M	Low	5.170	4.489
	5M	Middle	4.930	4.489
	10M		9.980	8.978
	5M	High	5.030	4.489
16-QAM	5M	Low	5.170	4.489
	5M	Middle	4.990	4.509
	10M		10.060	8.978
	5M	High	4.950	4.489

Delta 1 [T1] 1.15 dB

RBW 50 kHz RF Att 30 dB

Ref Lvl 27 dBm

5.17034068 MHz

SWT 10 ms Unit dBm

7 dB Offset

▼1 [T1] -10.44 dBm

2 34986493 GHz

1 15.9 dBm

1 1.15 dB

5.17034068 MHz

OPB 4.48897796 MHz

▼T1 [T1] 11.41 dBm

2 35026553 GHz

1MAX

D2 -10.1 dBm

1

▼T2 [T1] 10.03 dBm

2 35475451 GHz

IN1

1MAX

Center 2.3525 GHz

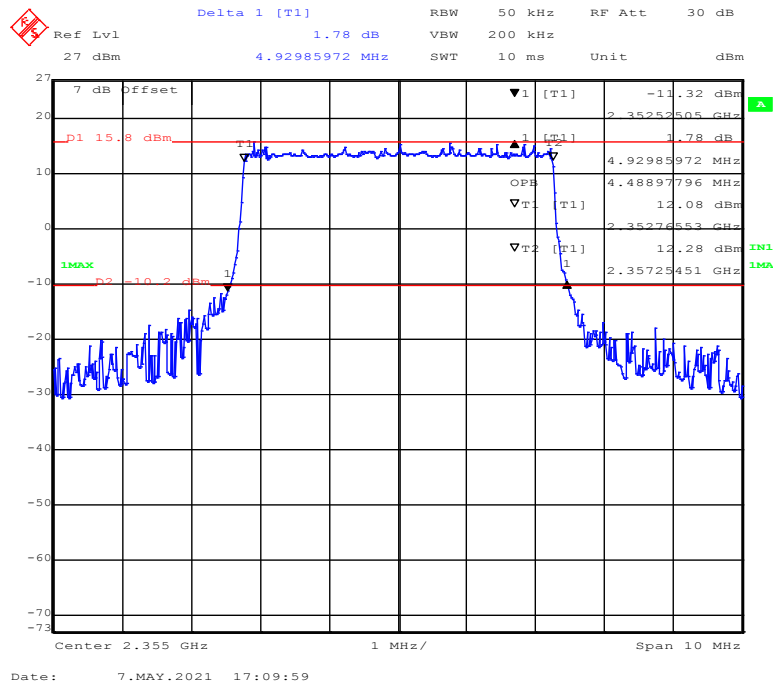
1 MHz/

Span 10 MHz

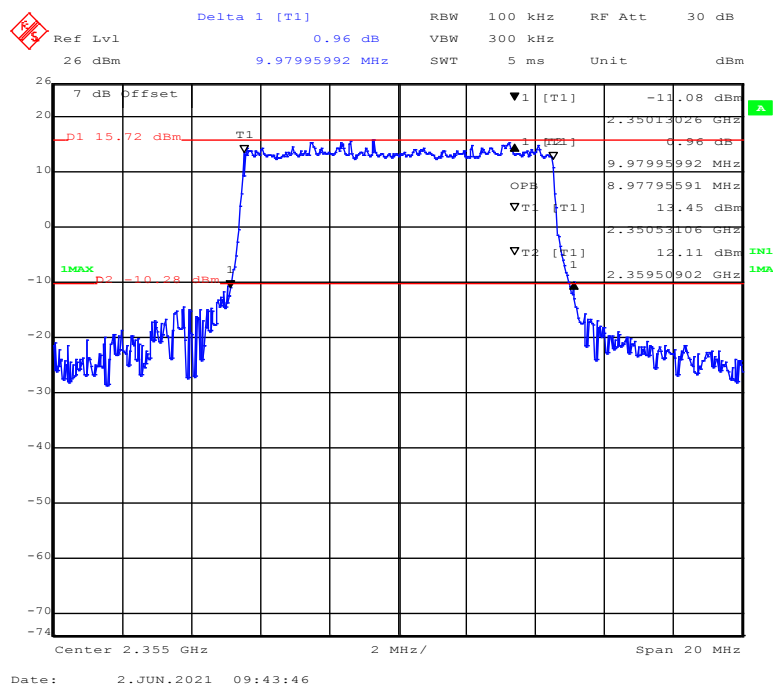
Date: 7.MAY.2021 17:07:12

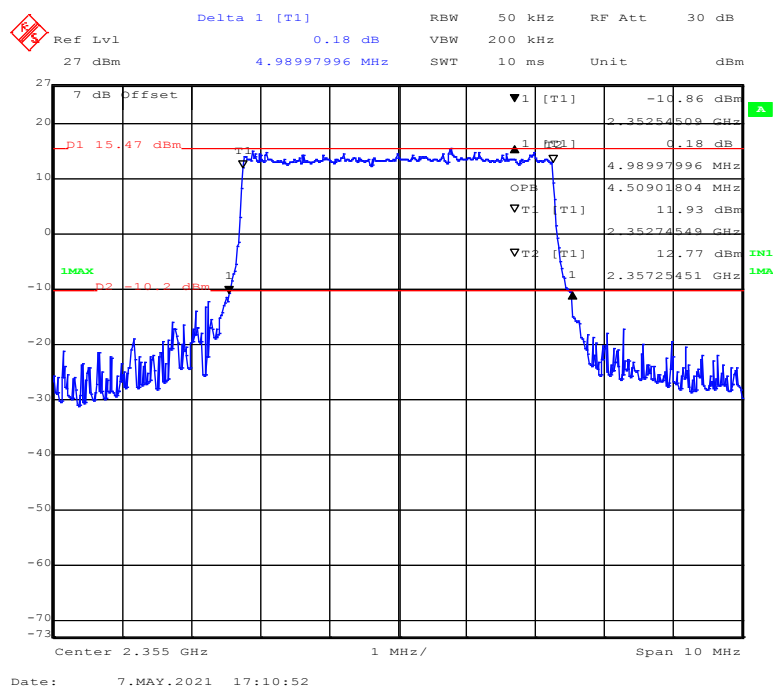
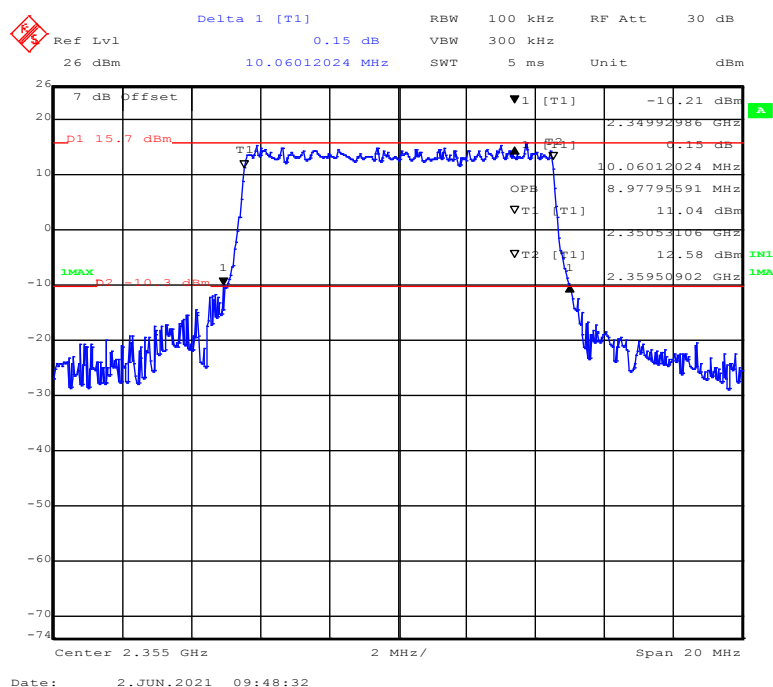
[illegible]

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel



16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

[illegible]

Delta 1 [T1] 0.87 dB

RBW 50 kHz RF Att 30 dB

Ref Lvl 27 dBm

4.94989980 MHz

SWT 10 ms Unit dBm

7 dB Offset

P1 16.07 dBm

1MAX -9.93 dBm

▼1 [T1] -10.70 dBm

2.35502505 GHz

1 [T1] 0.87 dB

4.94989980 MHz

OPB 4.48897796 MHz

▼T1 [T1] 10.85 dBm

2.35526553 GHz

▼T2 [T1] 12.04 dBm

2.35975451 GHz

Center 2.3575 GHz

1 MHz/

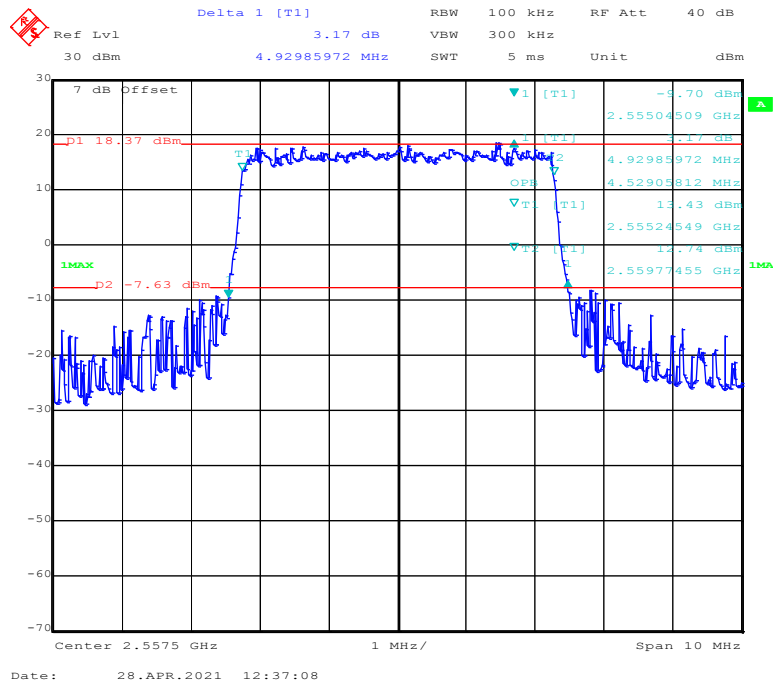
Span 10 MHz

Date: 7.MAY.2021 17:14:32

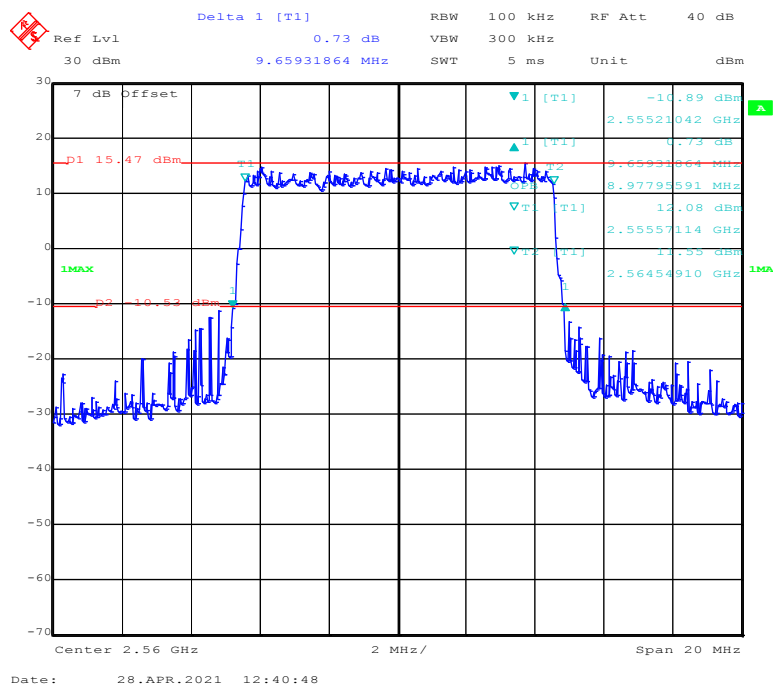
LTE Band 41:

Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	5M	Low	4.930	4.529
	10M		9.659	8.978
	15M		14.669	13.527
	20M		19.319	18.036
	5M	Middle	5.311	4.529
	10M		9.539	8.978
	15M		15.271	13.467
	20M		19.639	17.956
	5M	High	5.010	4.509
	10M		9.499	8.978
	15M		15.992	13.467
	20M		19.479	17.876
16-QAM	5M	Low	4.890	4.509
	10M		9.539	8.938
	15M		14.970	13.527
	20M		19.158	17.956
	5M	Middle	5.070	4.509
	10M		9.739	8.978
	15M		14.729	13.527
	20M		20.762	17.956
	5M	High	5.371	4.529
	10M		9.539	8.978
	15M		16.473	13.527
	20M		19.158	17.956

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



[illegible]

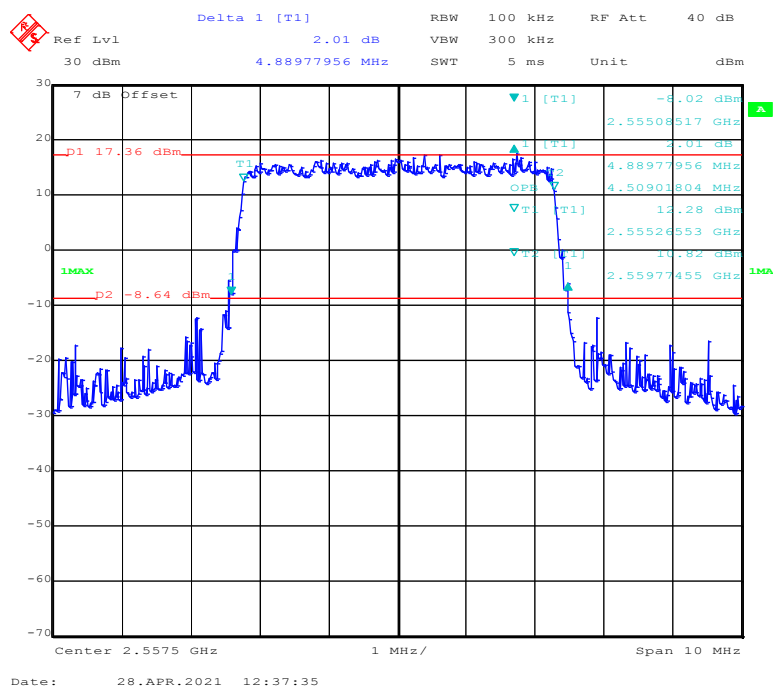
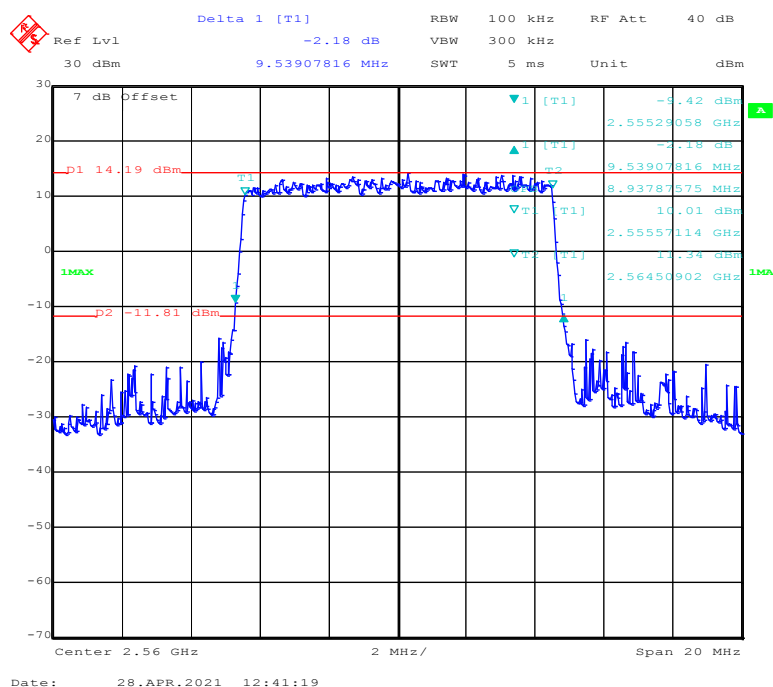
Ref Lvl 30 dBm
Delta 1 [T1] -0.05 dB
RBW 300 kHz
RF Att 40 dB
VBW 1 MHz
SWT 5 ms
Unit dBm

P1 17.67 dBm
P2 -8.33 dBm
1MAX

T1 19.31863727 MHz
T2 18.03607214 MHz
T3 2.57408820 GHz

Center 2.565 GHz
Span 40 MHz
4 MHz/

Date: 28.APR.2021 12:47:34

16-QAM (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Ref Lvl 30 dBm Delta 1 [T1] 1.54 dB RBW 300 kHz RF Att 40 dB

30 dBm 14.96993988 MHz SWT 5 ms Unit dBm

7 dB Offset

p1 17.82 dBm

1MAX

p2 -8.18 dBm

1 [T1] 1.54 dB

2 [T1] 14.96993988 MHz

3 [T1] 2.55519539 GHz

4 [T1] 2.52705411 MHz

5 [T1] 12.75 dBm

6 [T1] 2.55579659 GHz

7 [T1] 11.19 dBm

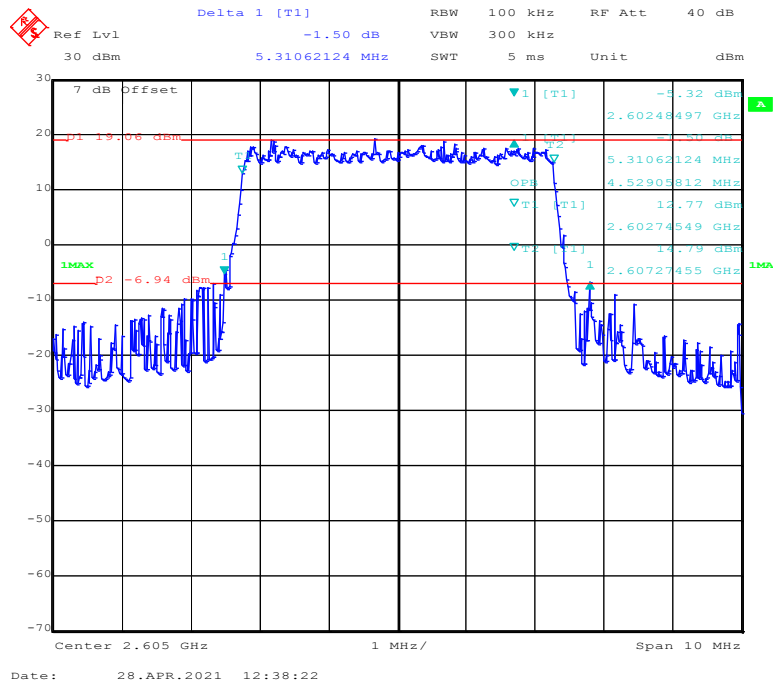
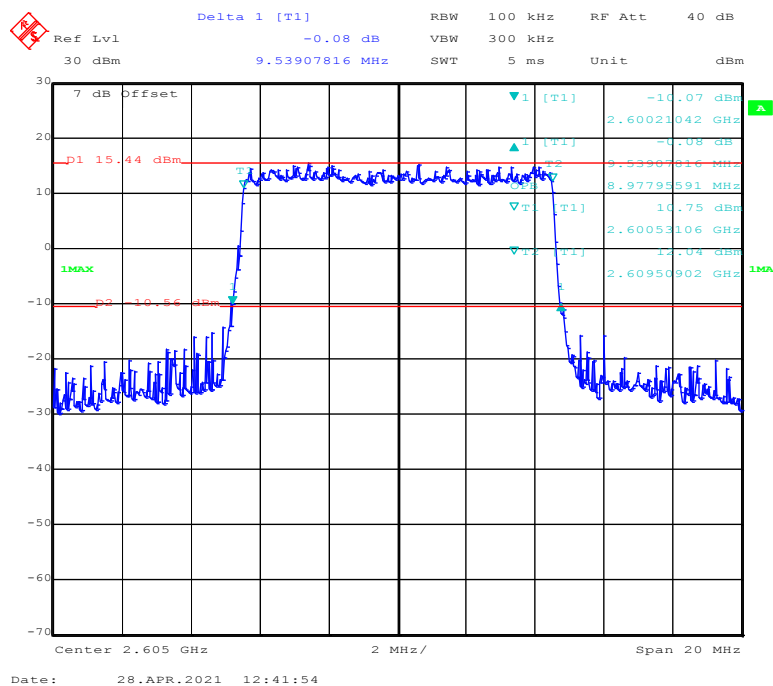
8 [T1] 2.56932365 GHz

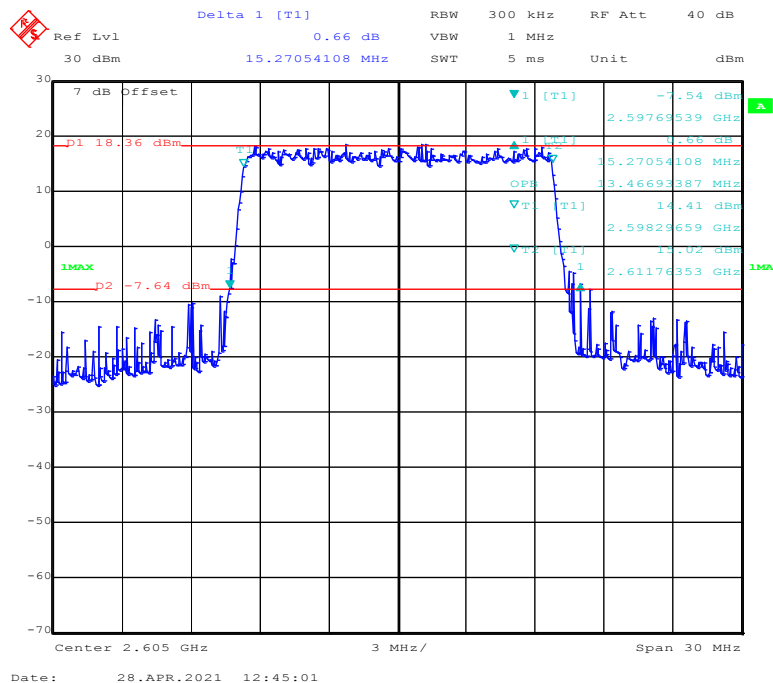
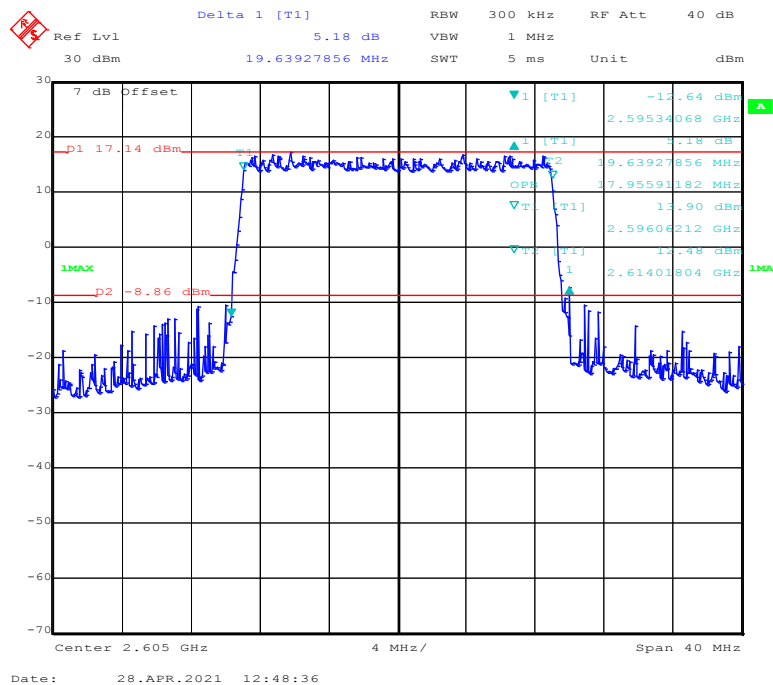
1MAX

Center 2.5625 GHz 3 MHz/ Span 30 MHz

Date: 28.APR.2021 12:44:30

[illegible]

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1] 0.56 dB

Ref Lvl 30 dBm

RBW 100 kHz

SWT 5 ms

RF Att 40 dB

Unit dBm

7 dB Offset

D1 17.49 dBm

1MAX

D2 -8.51 dBm

1

T1

T2

1 [T1]

2 [T2]

OPN

2.60242485 GHz

5.07014028 MHz

4.50901804 MHz

12.74 dBm

2.60276553 GHz

11.22 dBm

2.60727455 GHz

Center 2.605 GHz

1 MHz/

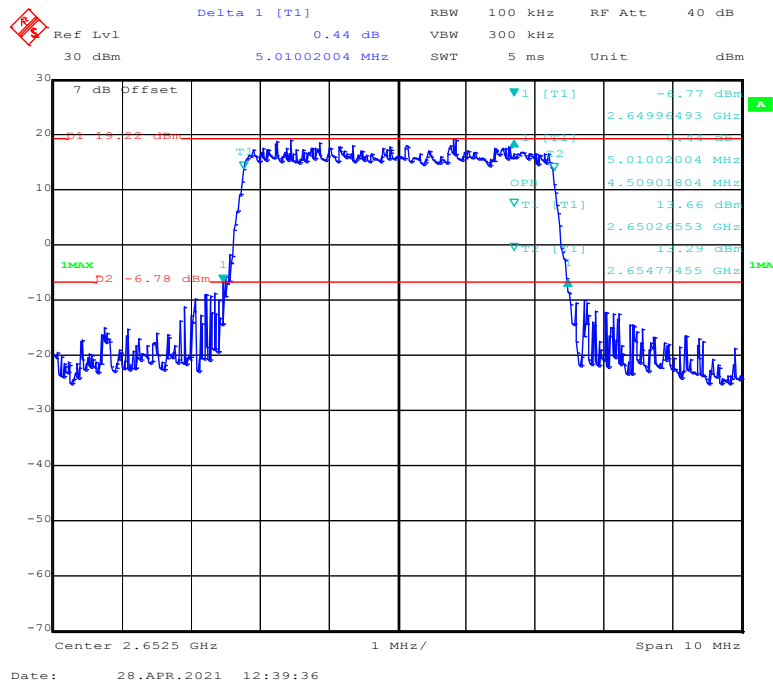
Span 10 MHz

Date: 28.APR.2021 12:38:53

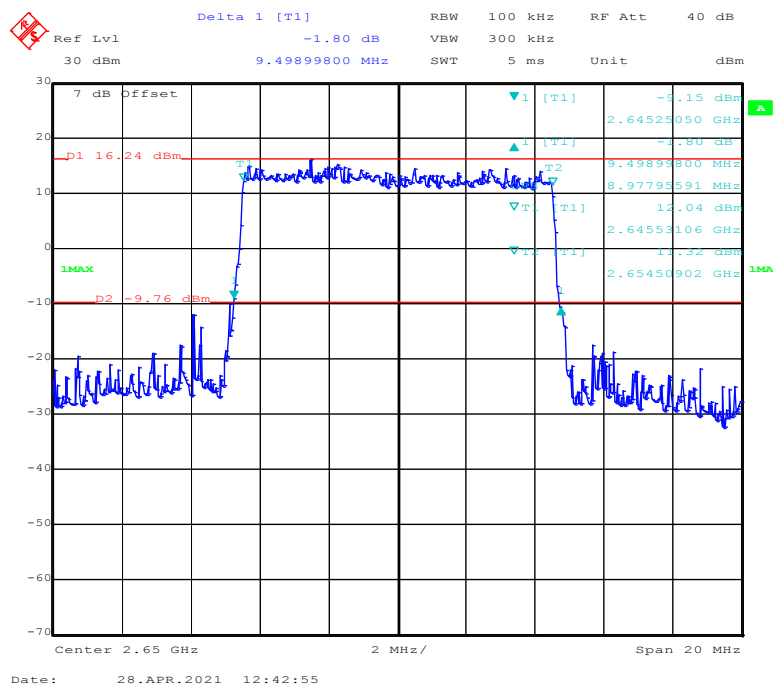
[illegible]

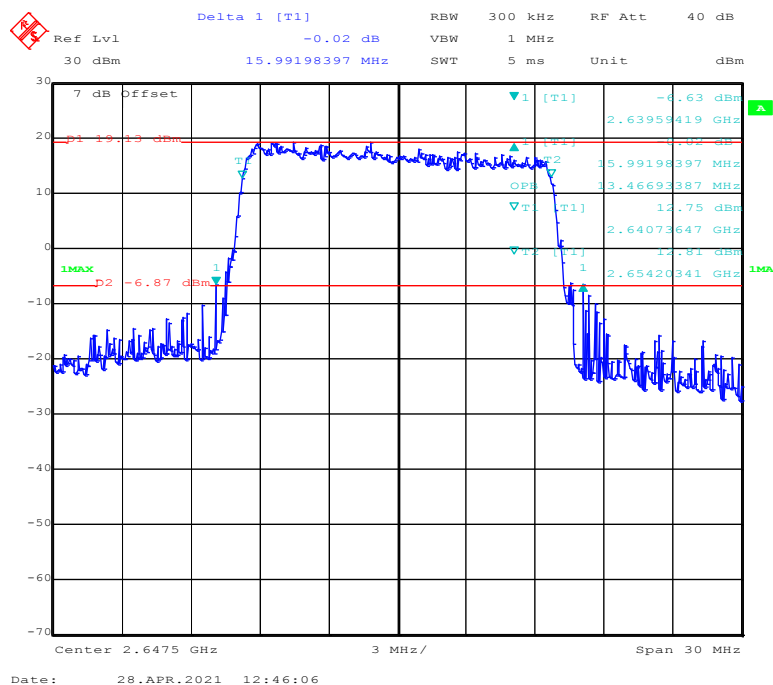
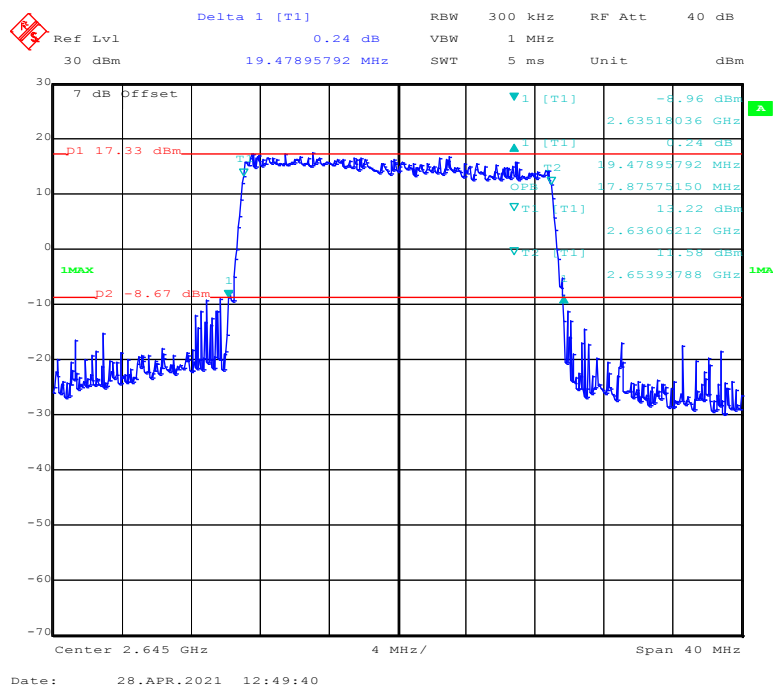
[illegible][illegible]

QPSK (5.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



QPSK (10.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel



QPSK (15.0MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (20.0 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

Ref Lvl 30 dBm Delta 1 [T1] -0.49 dB RBW 100 kHz RF Att 40 dB
 30 dBm 5.37074148 MHz BW 300 kHz SWT 5 ms Unit dBm

7 dB Offset

1MAX

1MAX

Center 2.6525 GHz 1 MHz/ Span 10 MHz

Date: 28.APR.2021 12:40:17

[illegible]

[illegible]

Delta 1 [T1] -0.23 dB

Ref Lvl 30 dBm

RBW 300 kHz RF Att 40 dB

VBW 1 MHz

SWT 5 ms Unit dBm

7 dB Offset

p1 18.33 dBm

1MAX

p2 -7.67 dBm

1 [T1] -0.23 dB

2.63542084 GHz

19.15831663 MHz

2.65591182 MHz

12.34 dBm

2.63598196 GHz

10.21 dBm

2.65393788 GHz

Center 2.645 GHz

4 MHz/

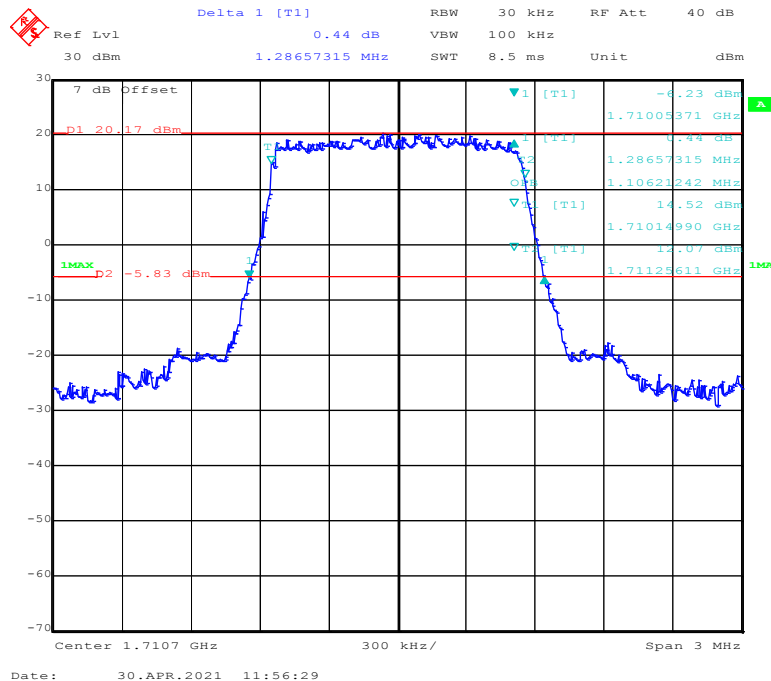
Span 40 MHz

Date: 28.APR.2021 12:50:11

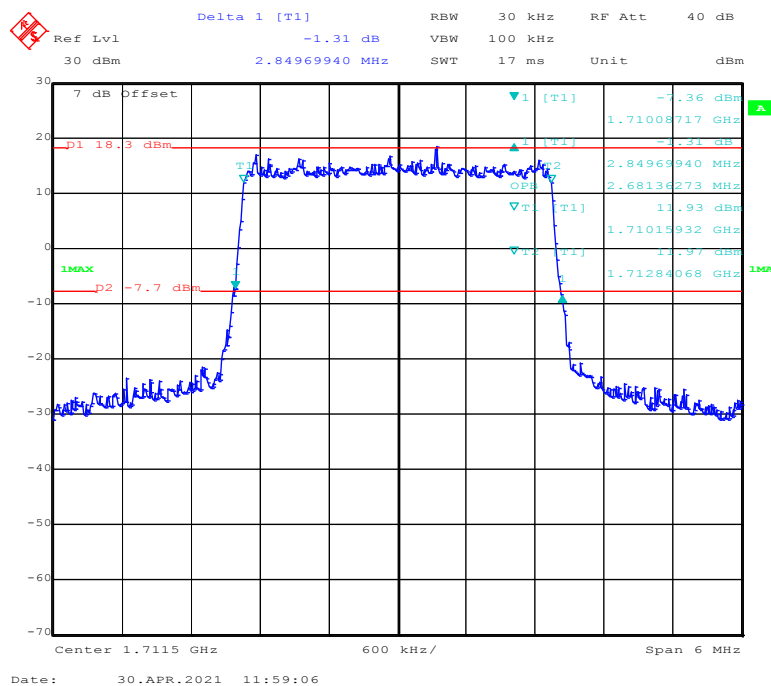
LTE Band 66:

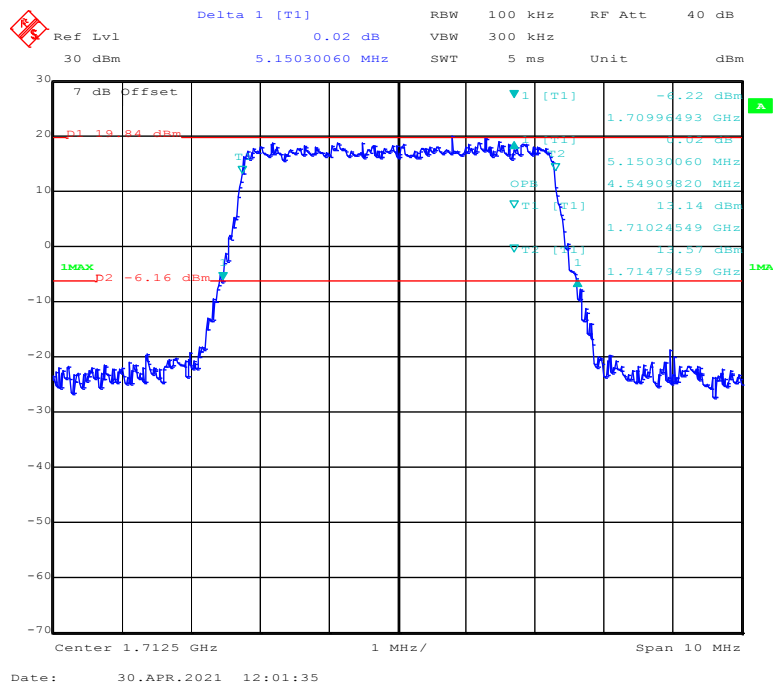
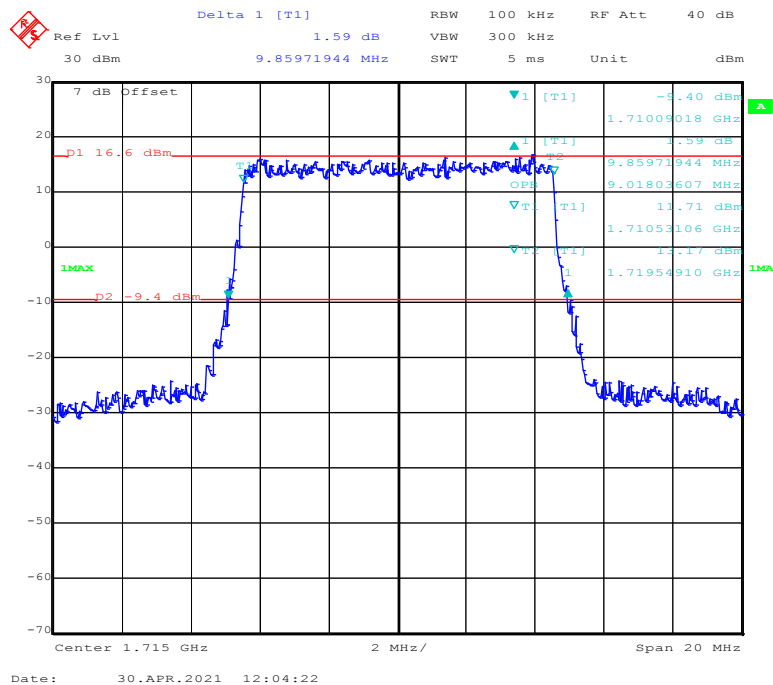
Test Modulation	Test Bandwidth	Test Channel	26 dB Bandwidth	99% Occupied Bandwidth
			MHz	MHz
QPSK	1.4M	Low	1.287	1.106
	3M		2.850	2.681
	5M		5.150	4.549
	10M		9.860	9.018
	15M		15.090	13.587
	20M		19.639	17.956
	1.4M	Middle	1.287	1.100
	3M		2.874	2.693
	5M		5.190	4.549
	10M		9.860	8.938
	15M		15.150	13.587
	20M		19.639	17.956
	1.4M	High	1.287	1.100
	3M		0.886	2.693
	5M		5.110	4.529
	10M		9.820	8.978
	15M		15.210	13.527
	20M		19.559	17.956
16-QAM	1.4M	Low	1.299	1.100
	3M		2.874	2.669
	5M		5.170	4.529
	10M		9.900	8.978
	15M		15.150	13.587
	20M		19.719	18.036
	1.4M	Middle	1.323	1.106
	3M		2.874	2.693
	5M		5.251	4.549
	10M		9.780	9.018
	15M		15.15	13.527
	20M		19.719	17.956
	1.4M	High	1.269	1.094
	3M		2.874	2.693
	5M		5.251	4.569
	10M		9.940	8.978
	15M		15.090	13.587
	20M		19.719	17.956

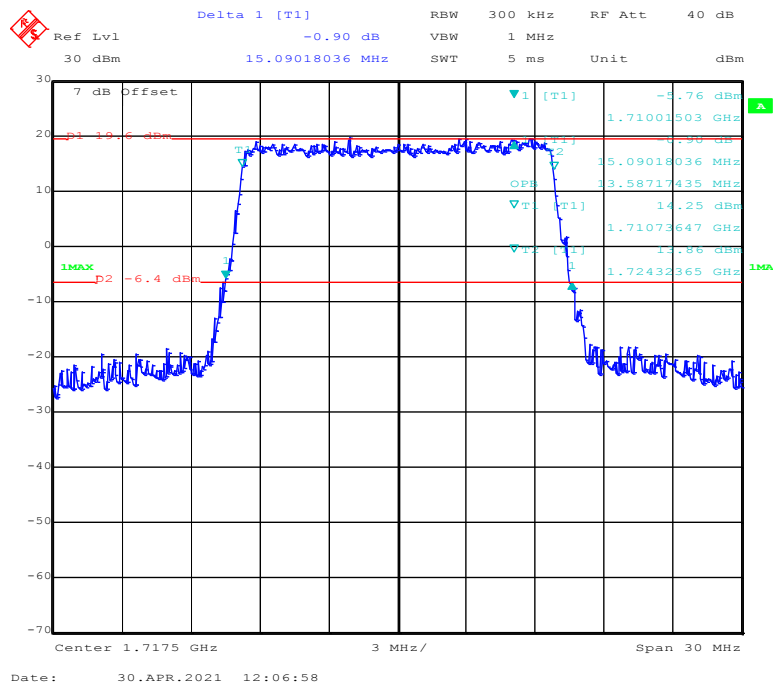
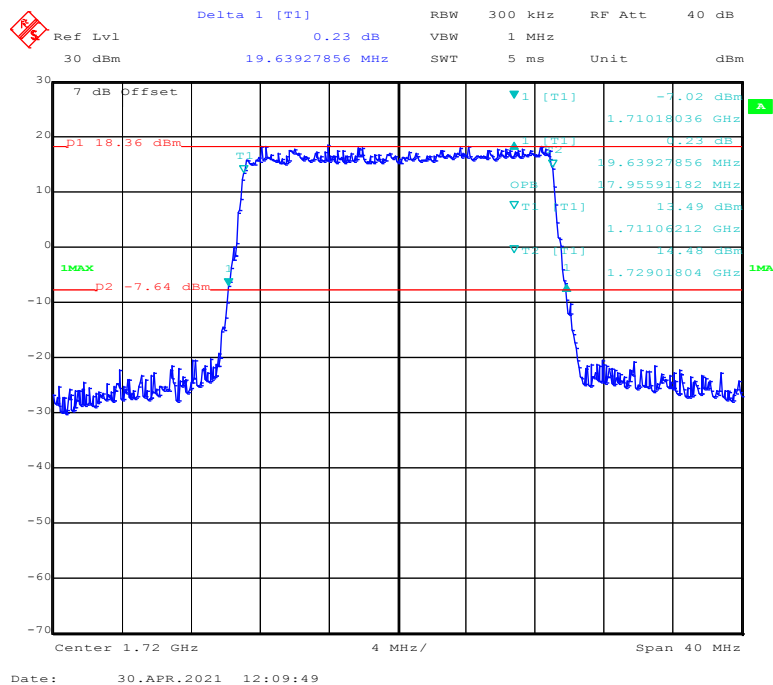
QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel



QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

Delta 1 [T1] -0.81 dB RBW 30 kHz RF Att 40 dB

Ref Lvl 30 dBm 1.29859719 MHz SWT 8.5 ms Unit dBm

7 dB Offset

p1 12.61 dBm

1MAX

p2 -6.39 dBm

1MA

▼1 [T1] -5.87 dBm 1.71004770 GHz

▲1 [T1] -1.91 dBm 1.29859719 MHz

▼2 [T1] -1.0020040 MHz

▼3 [T1] 11.17 dBm 1.71015591 GHz

▼4 [T1] 11.40 dBm 1.71125611 GHz

Center 1.7107 GHz 300 kHz/ Span 3 MHz

Date: 30.APR.2021 11:56:57

Delta 1 [T1] 1.69 dB

Ref Lvl 30 dBm

30 dBm 2.87374749 MHz

RBW 30 kHz

SWT 17 ms

RF Att 40 dB

Unit dBm

7 dB Offset

D1 15.6 dBm

D2 10.4 dBm

1MAX

1MA

▼1 [T1] -2.97 dBm 1.71007515 GHz

▲1 [T1] 1.69 dB 2.87374749 MHz

▼2 [T1] 2.66933868 MHz

▼T1 [T1] 11.76 dBm 1.71017134 GHz

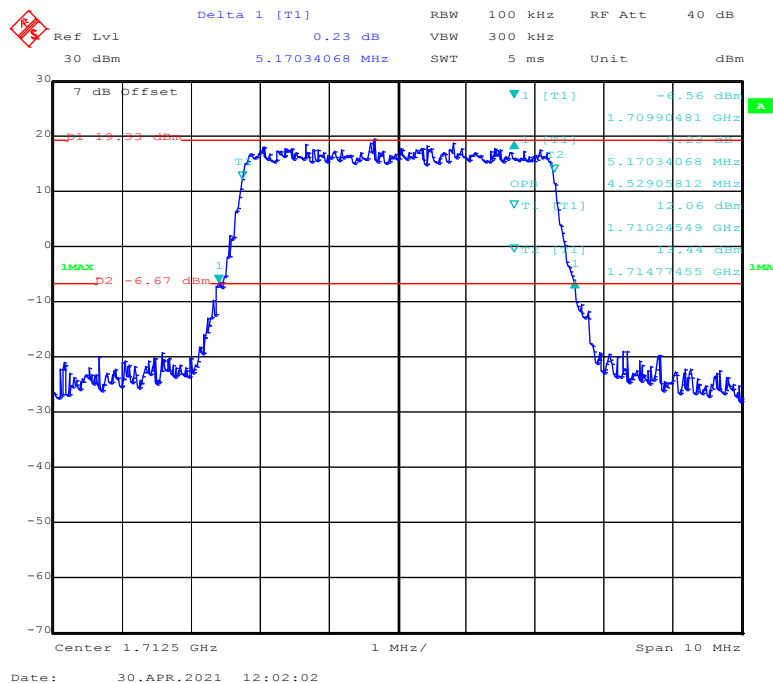
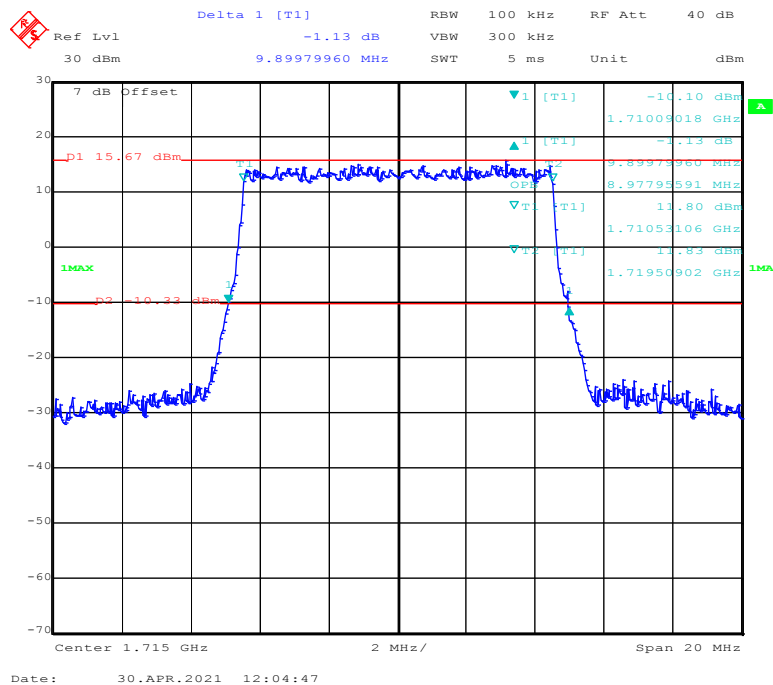
▼T2 [T1] 13.20 dBm 1.71284068 GHz

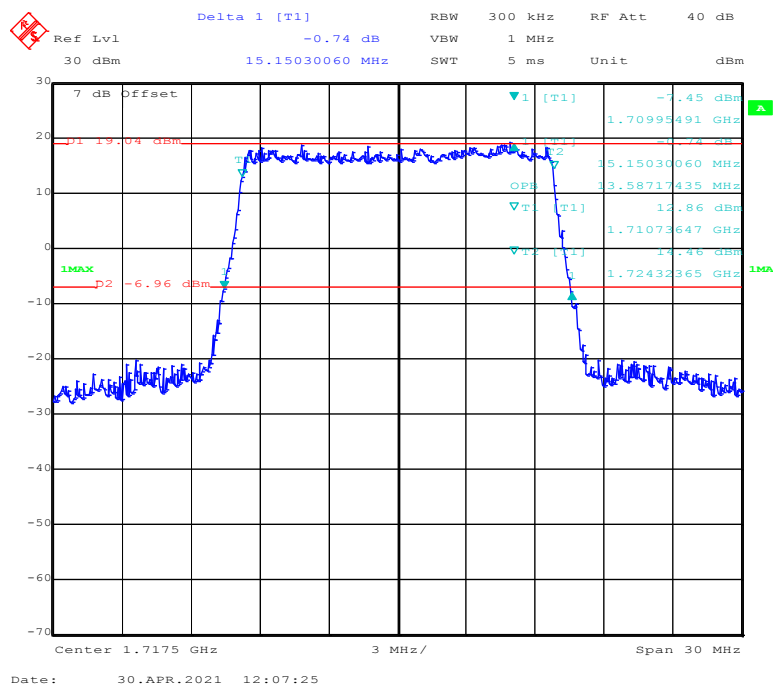
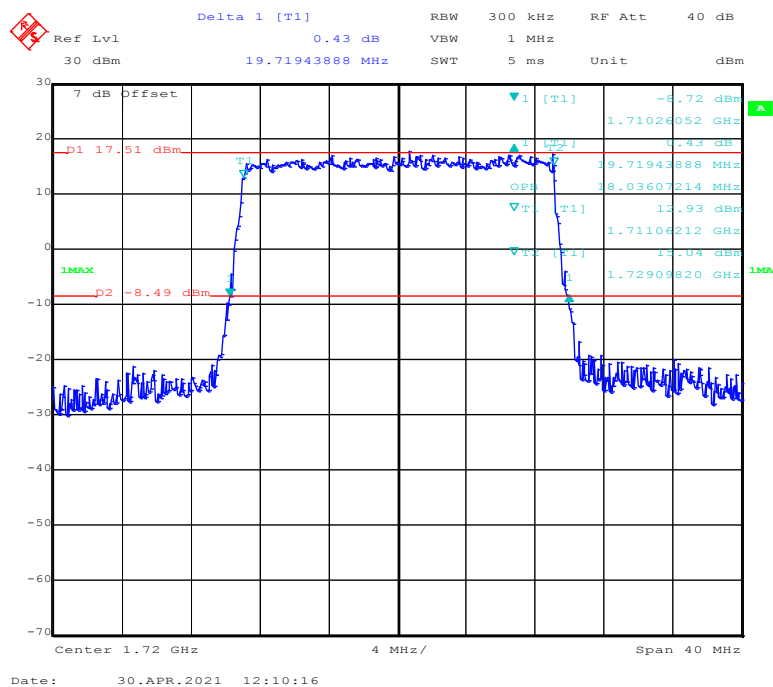
Center 1.7115 GHz

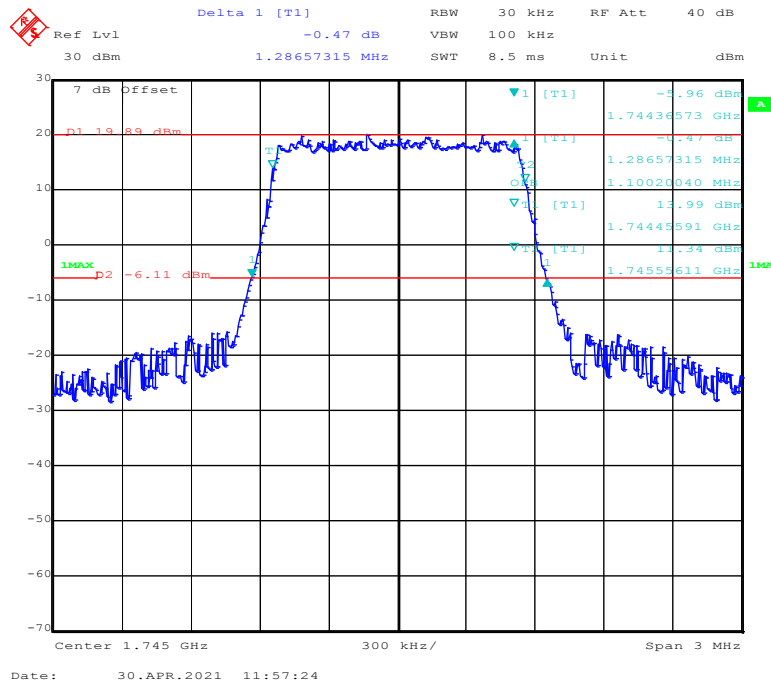
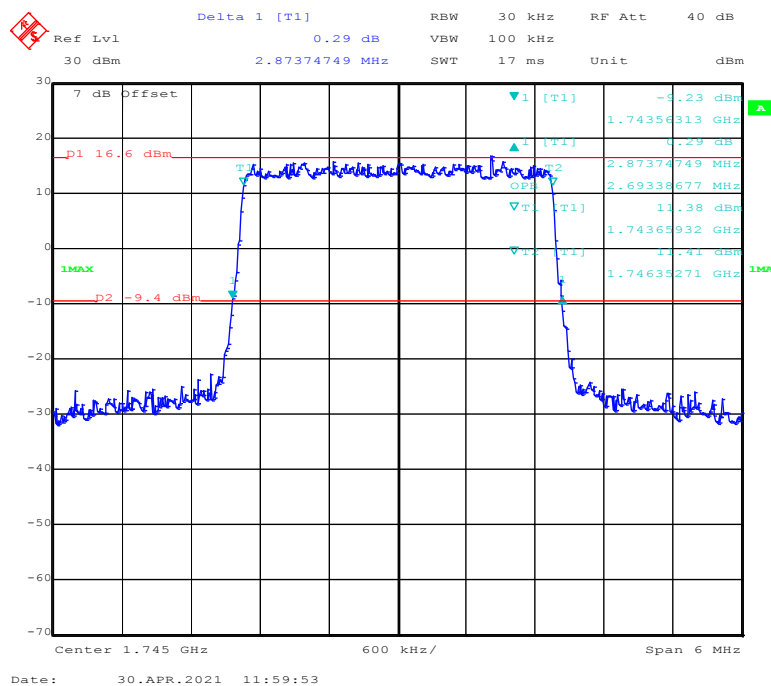
600 kHz/

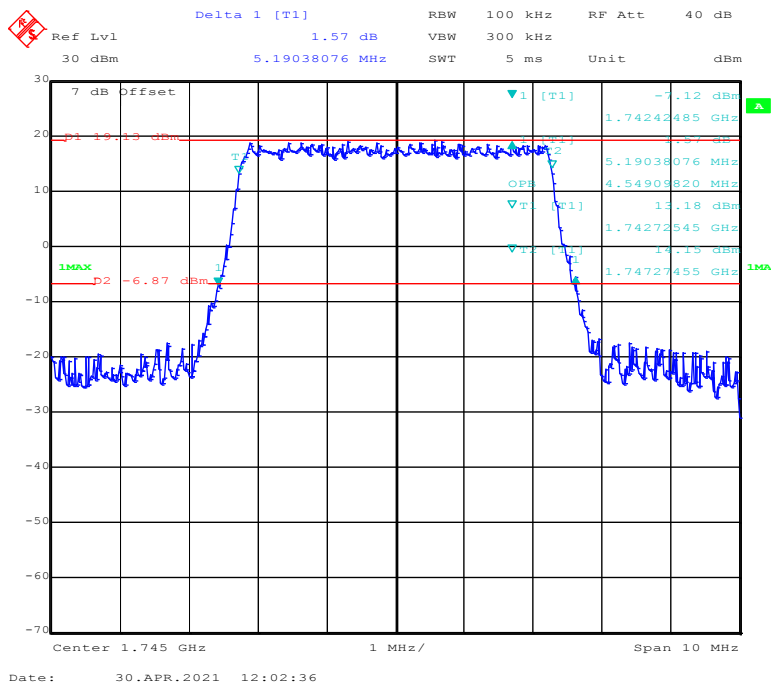
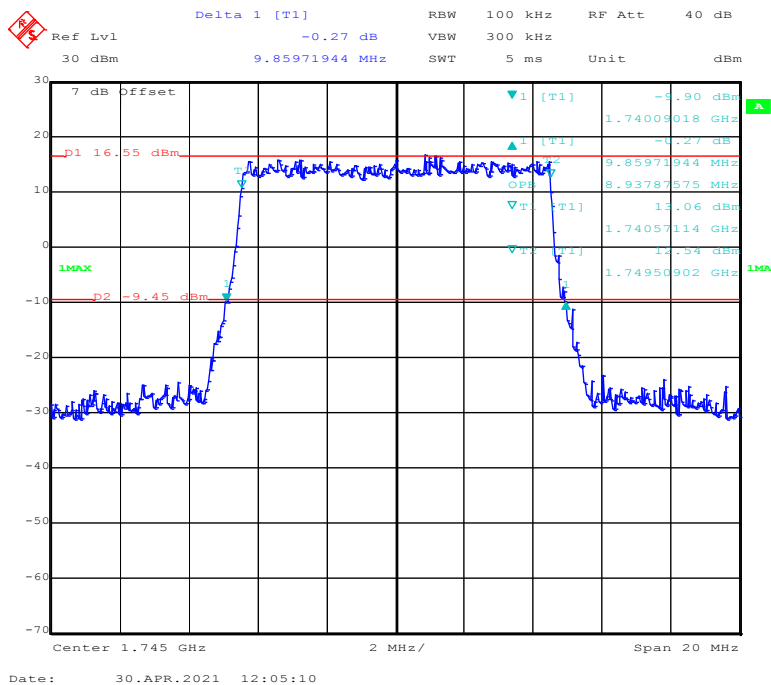
Span 6 MHz

Date: 30.APR.2021 11:59:29

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Low channel**

QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

Delta 1 [T1]

Ref Lvl 0.60 dB

30 dBm 15.15030060 MHz

RBW 300 kHz RF Att 40 dB

SWT 5 ms Unit dBm

7 dB Offset

p1 19.63 dBm

14.45 dBm

1.73745491 GHz

15.15030060 MHz

1.73823647 GHz

14.92 dBm

1.75182365 GHz

1MAX -6.37 dBm

Center 1.745 GHz

3 MHz/

Span 30 MHz

Date: 30.APR.2021 12:07:56

Delta 1 [T1] 0.43 dB RBW 300 kHz Ref Att 40 dB

Ref Lvl 30 dBm 19.63927856 MHz SWT 5 ms Unit dBm

7 dB Offset

19.63927856 MHz

1.73526052 GHz

19.63927856 MHz

1.73526052 GHz

1.73606212 GHz

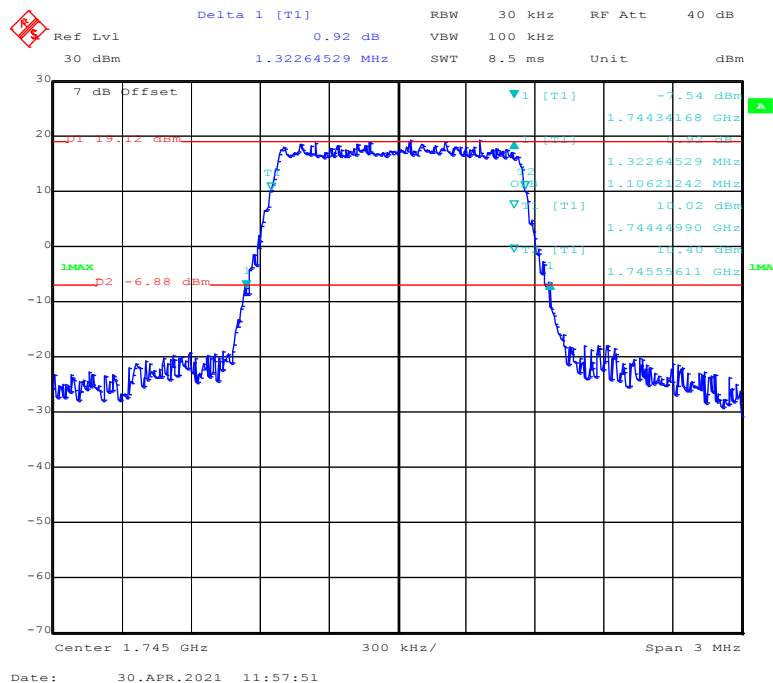
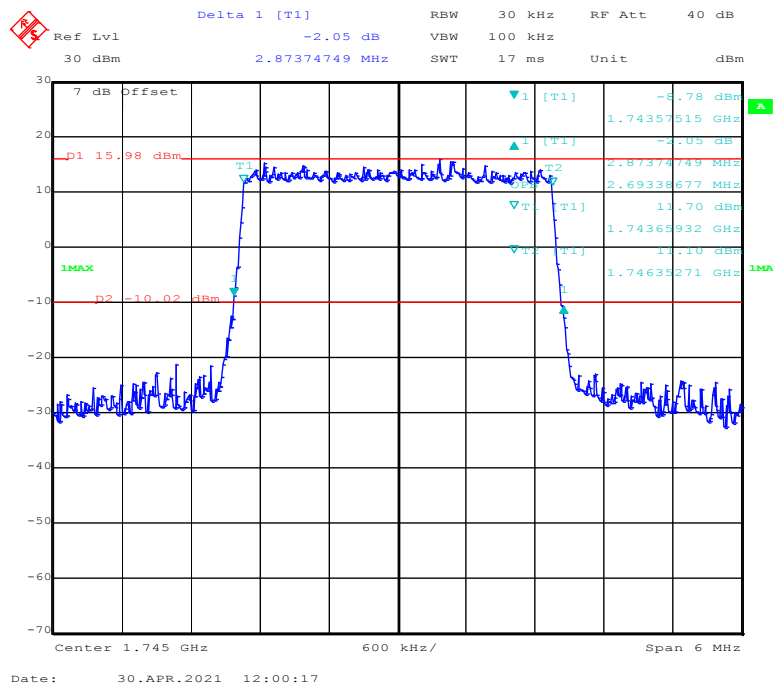
1.75401804 GHz

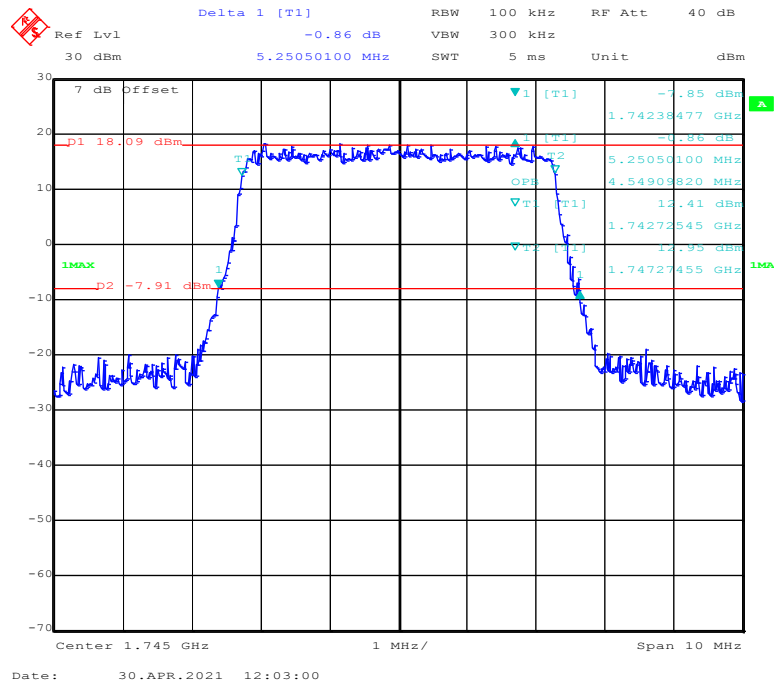
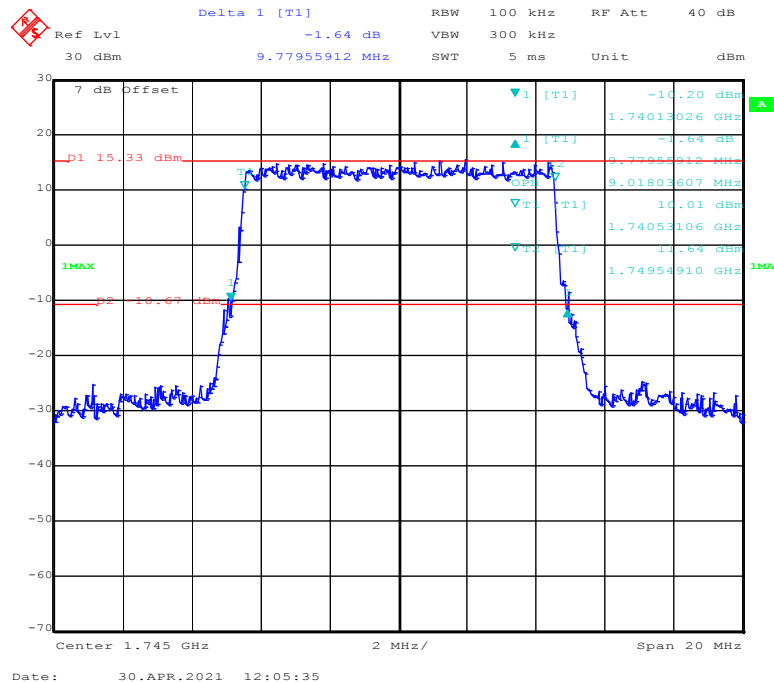
1MAX

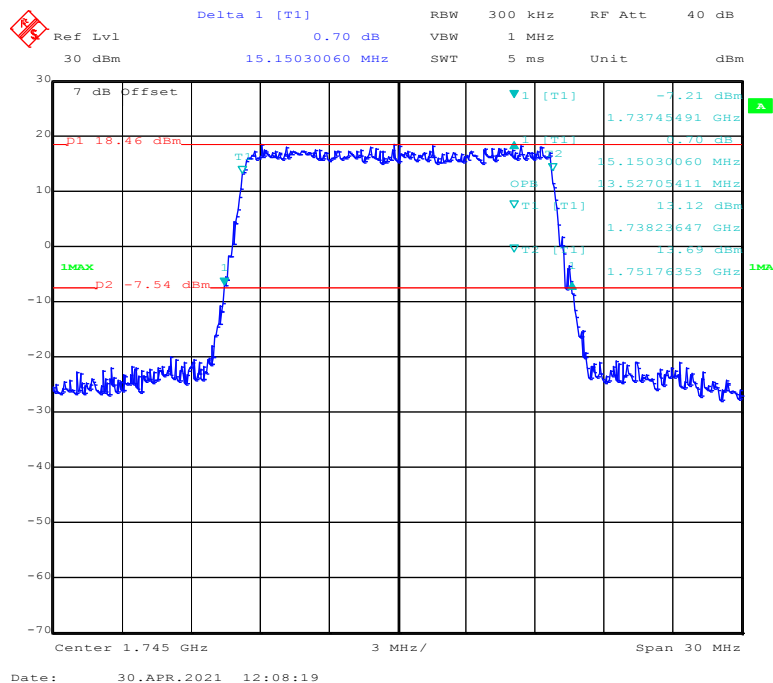
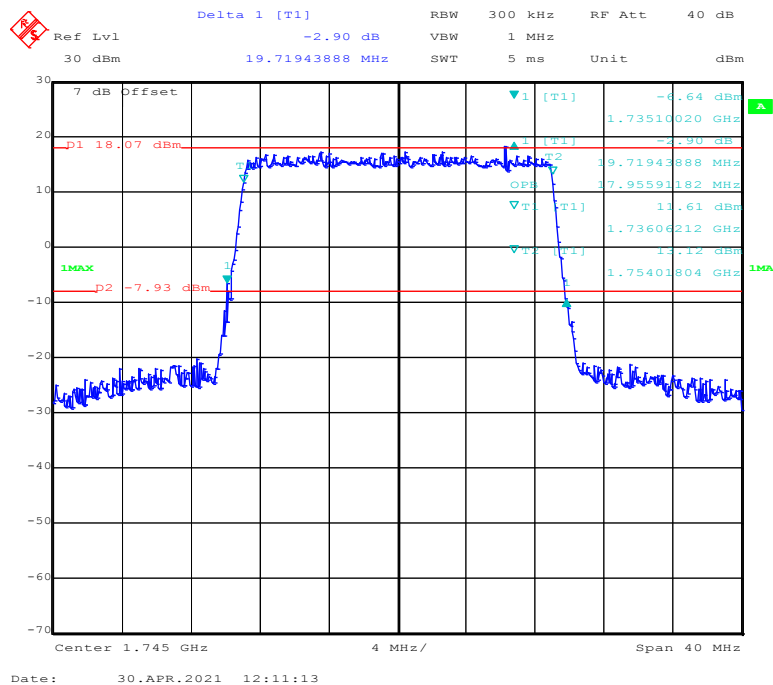
1MAX

Center 1.745 GHz 4 MHz/ Span 40 MHz

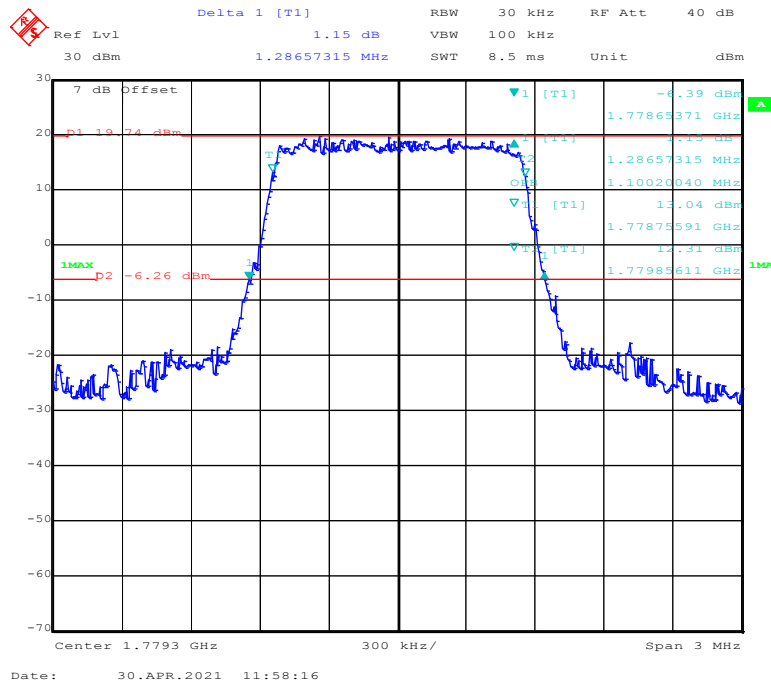
Date: 30.APR.2021 12:10:45

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

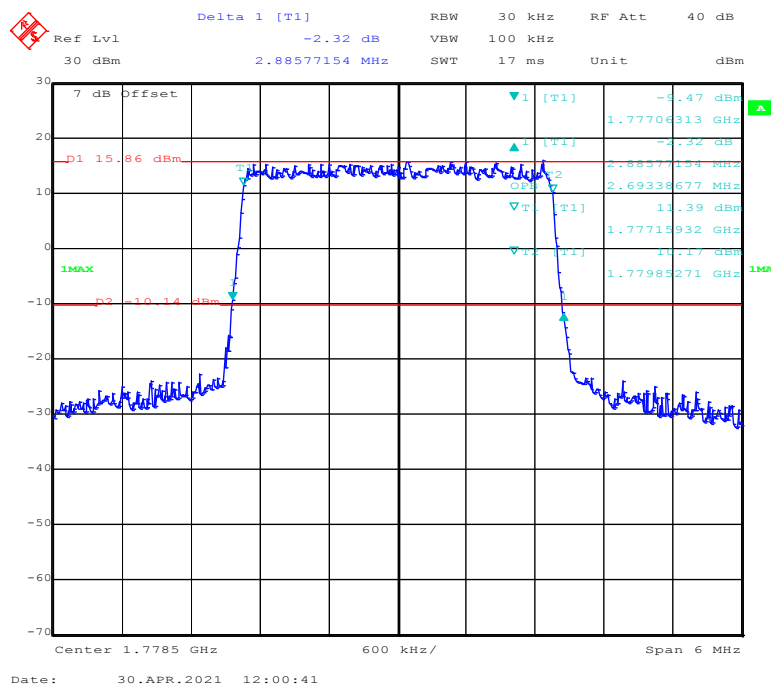
16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

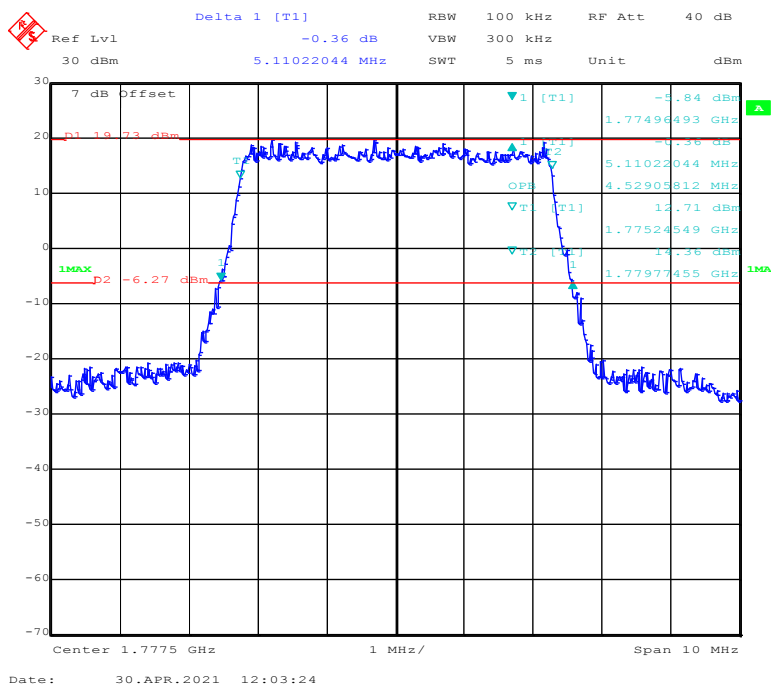
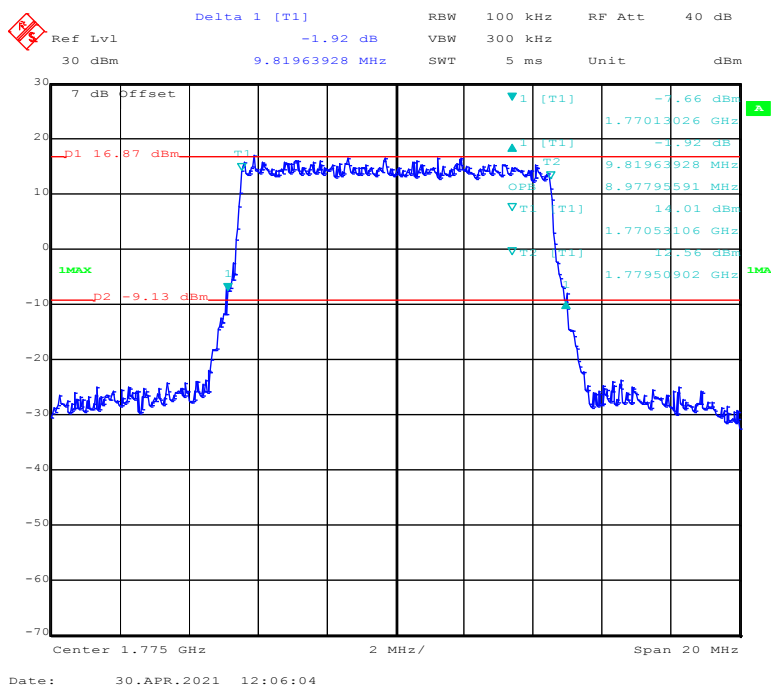
16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, Middle channel**

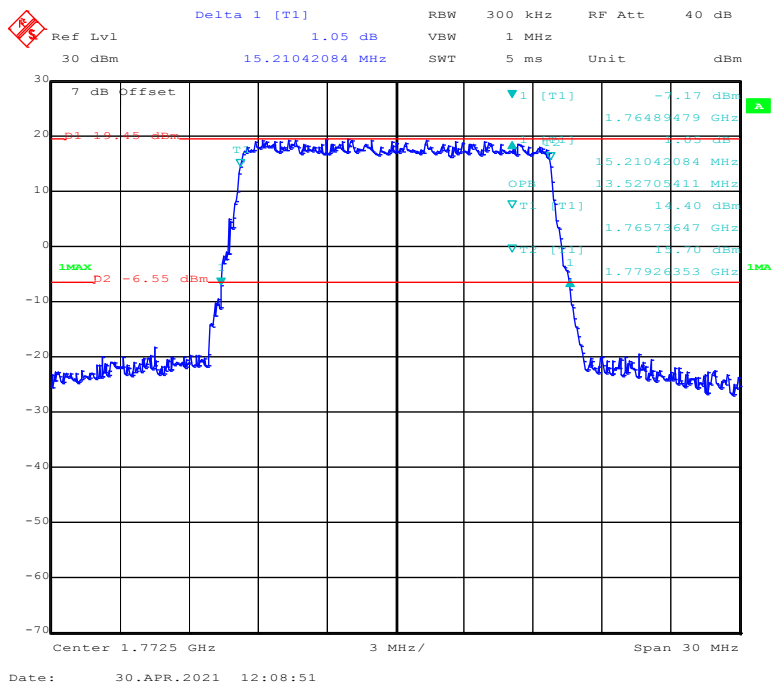
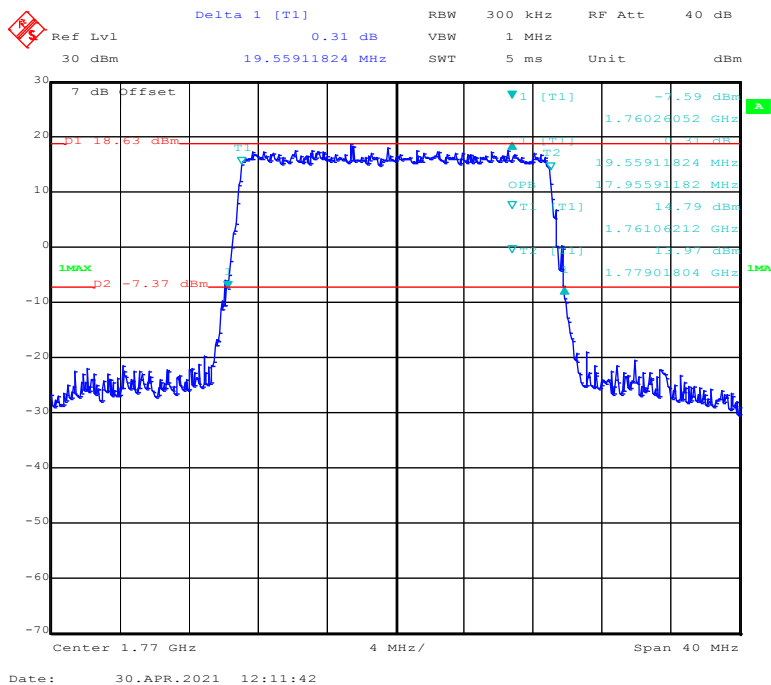
QPSK (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel

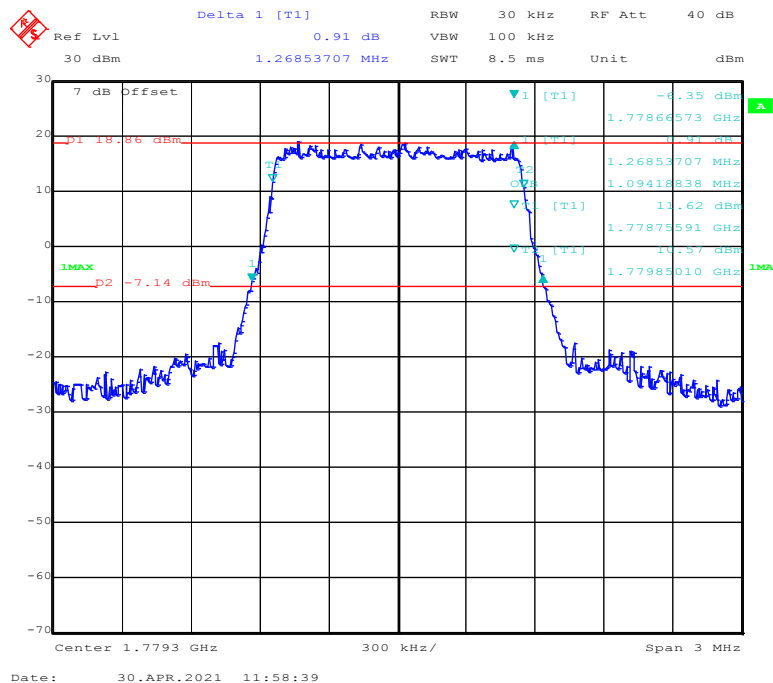
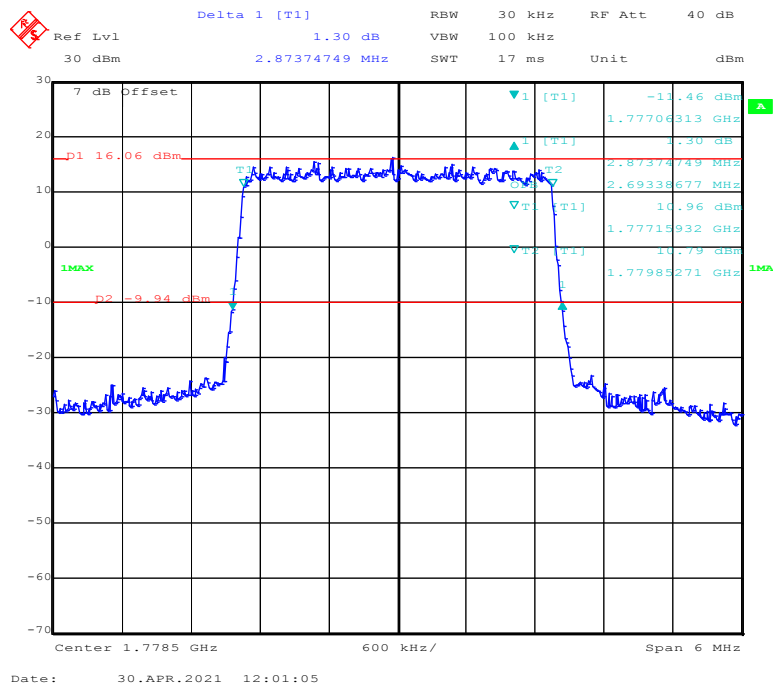


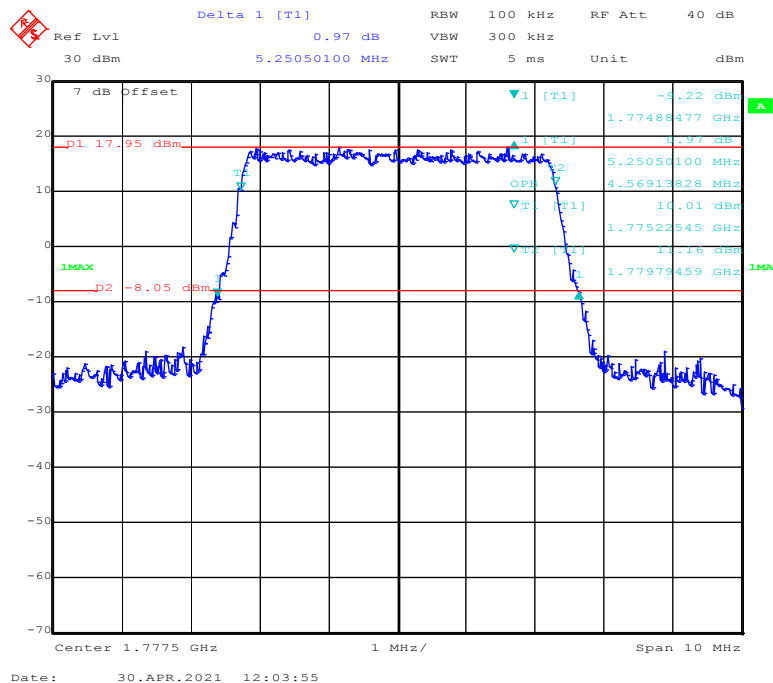
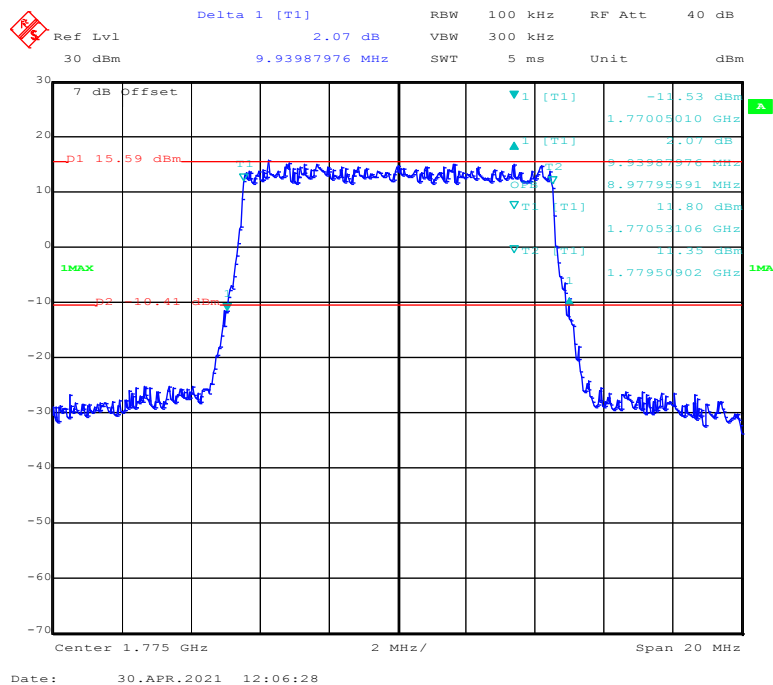
QPSK (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel

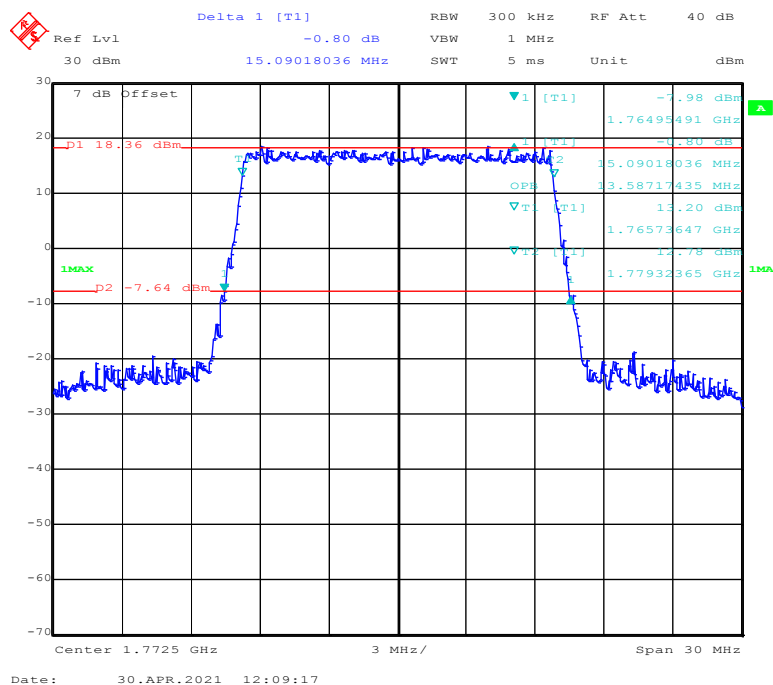
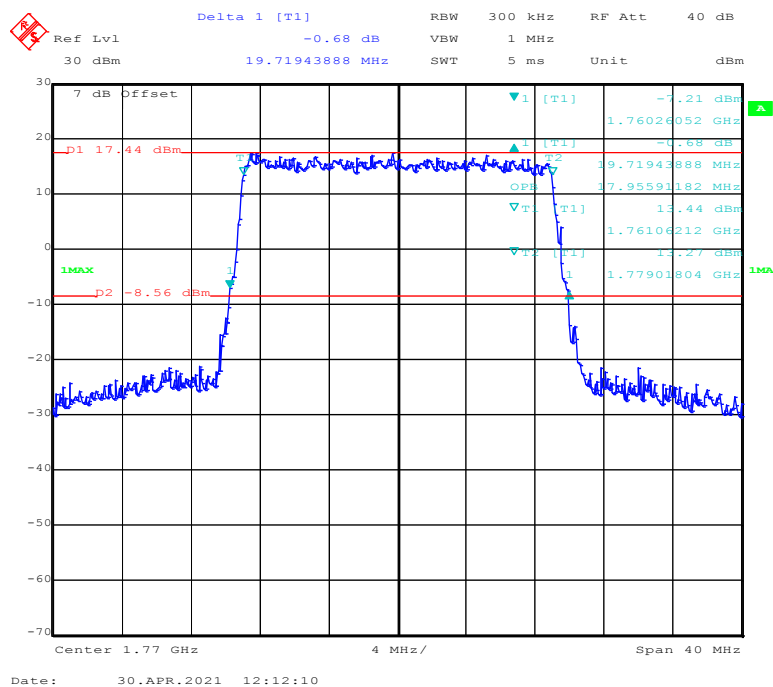


QPSK (5MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

QPSK (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**QPSK (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (1.4 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (3 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (5 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (10 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

16-QAM (15 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**16-QAM (20 MHz) - 99% Occupied & 26 dB Emissions Bandwidth, High channel**

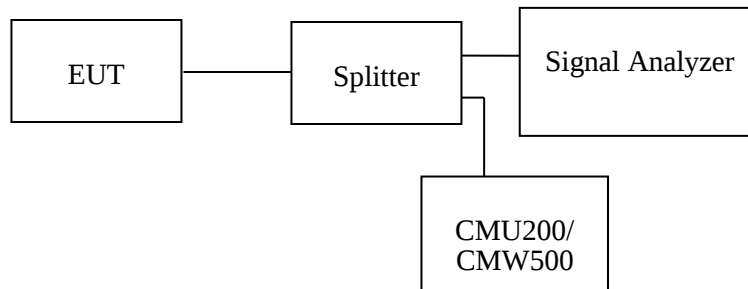
**FCC § 2.1051; § 22.917 (a); § 24.238 (a); §27.53 (a) (g) (h) (m); § 90.691 -
SPURIOUS EMISSIONS AT ANTENNA TERMINALS****Applicable Standards**

FCC §2.1051, §22.917(a), §24.238(a), §27.53 (a) (g) (h) (m) and § 90.691.

The spectrum was to be investigated to the tenth harmonics of the highest fundamental frequency as specified in § 2.1051.

Test Procedure

The RF output of the transceiver was connected to a spectrum analyzer and simulator through appropriate attenuation. The resolution bandwidth of the spectrum analyzer was set at 100 kHz for below 1GHz & 1MHz for above 1GHz. sufficient scans were taken to show any out of band emissions up to 10th harmonic.

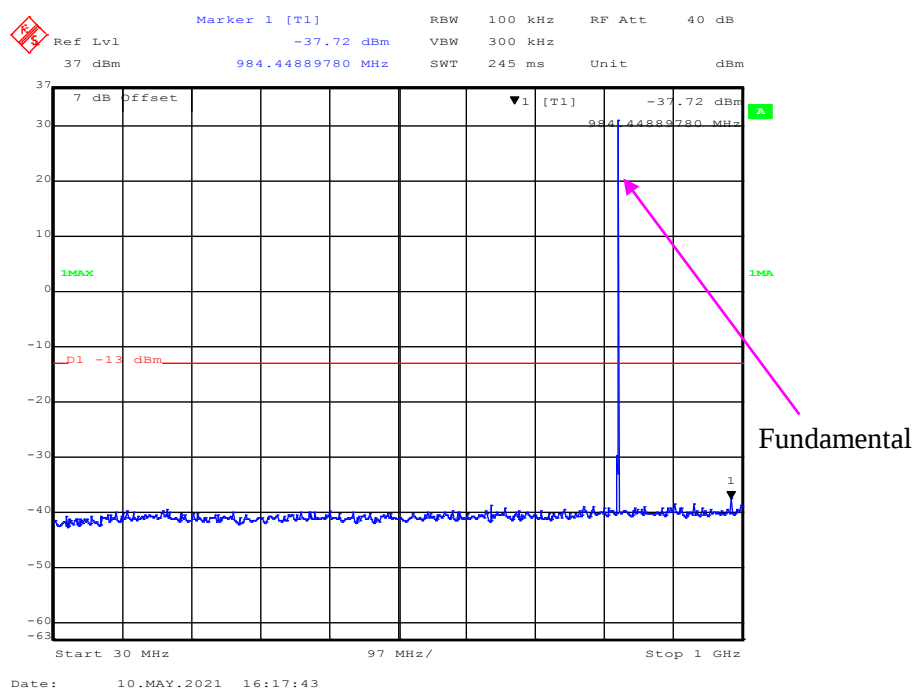
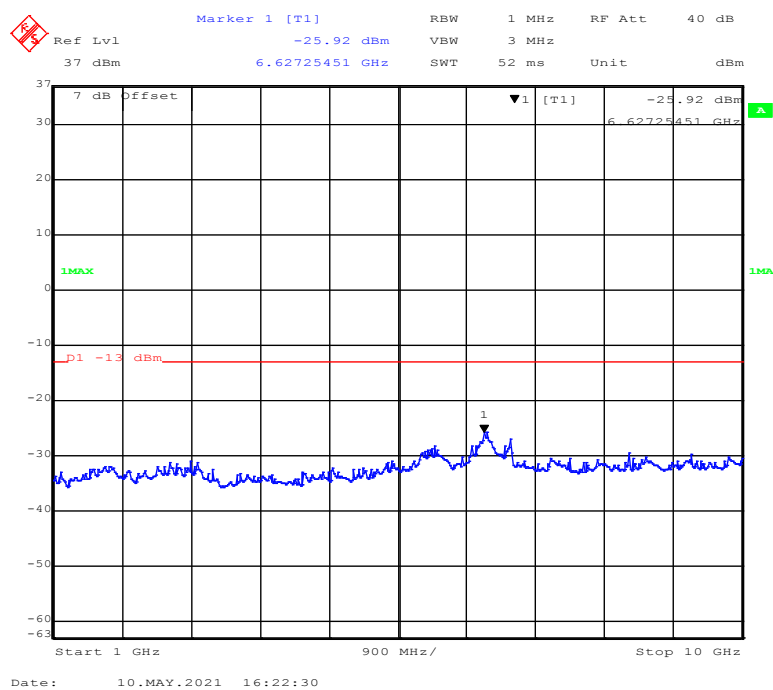
**Test Data****Environmental Conditions**

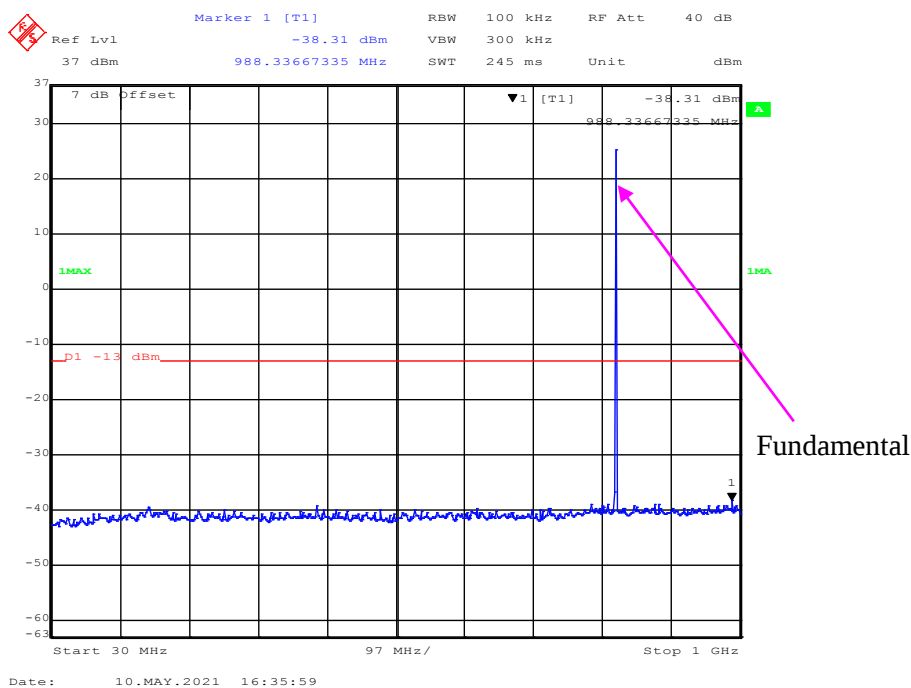
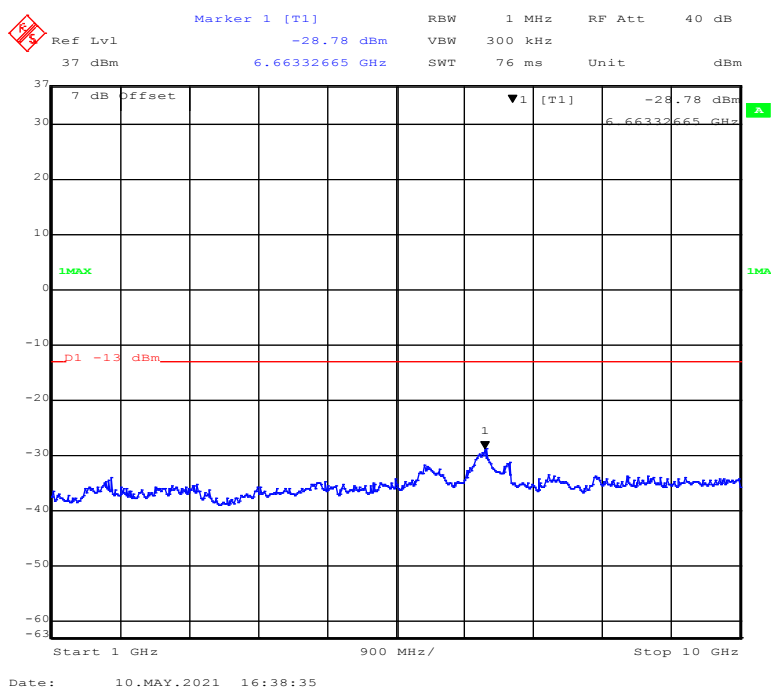
Temperature:	24.7~24.9 °C
Relative Humidity:	50~52 %
ATM Pressure:	100.7~101.9 kPa

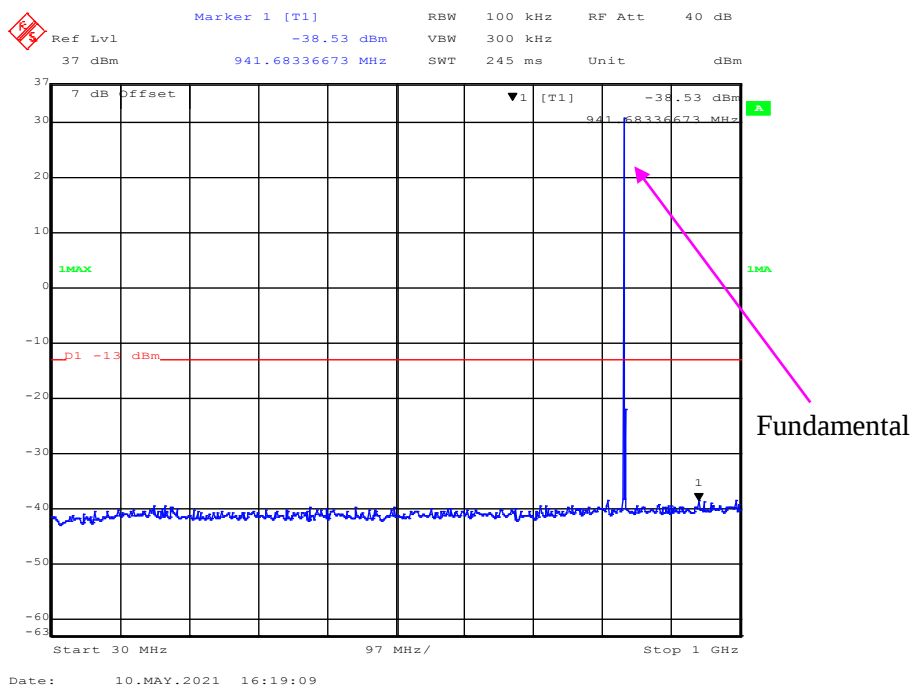
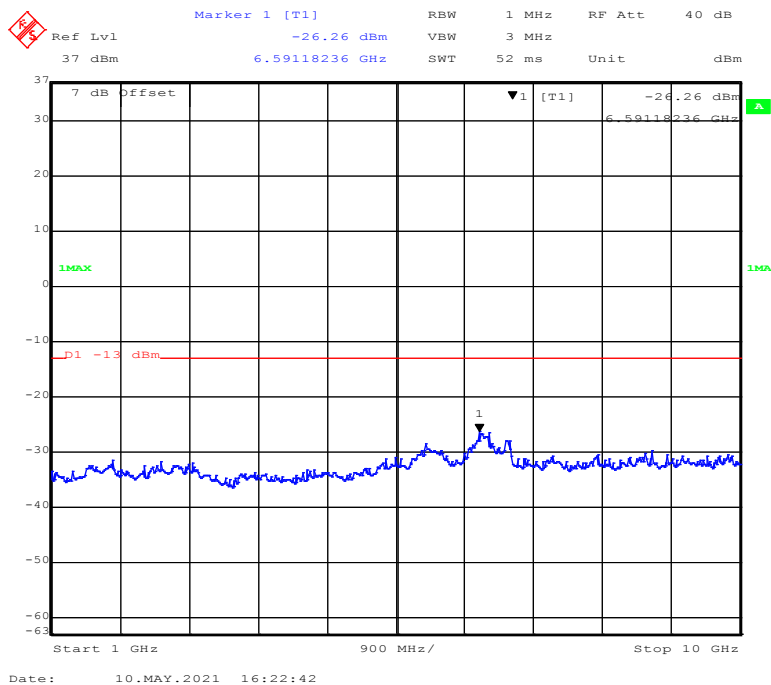
The testing was performed by Tyrone Wang from 2021-04-27 to 2021-06-03.

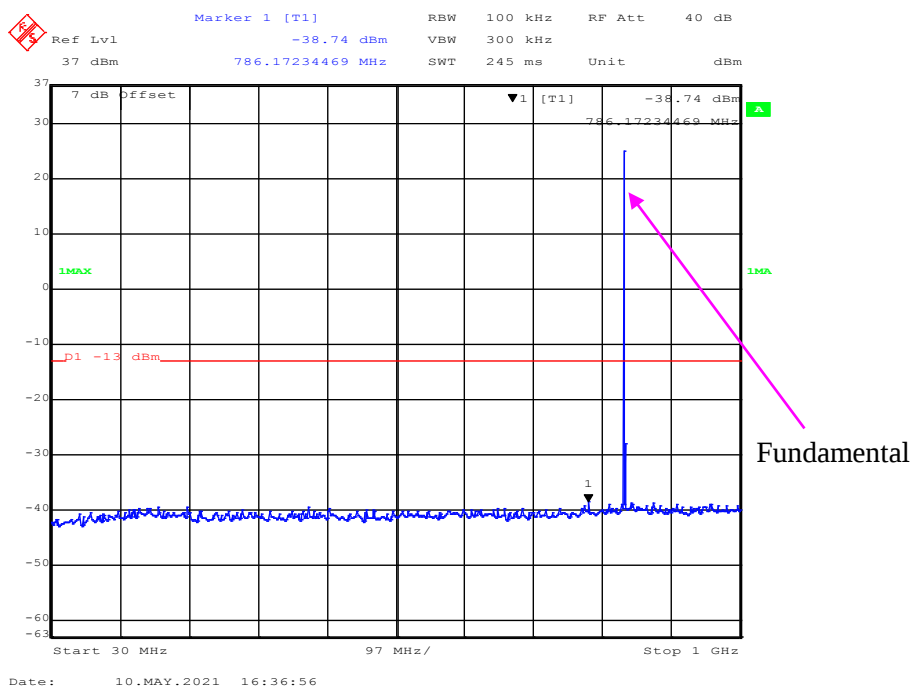
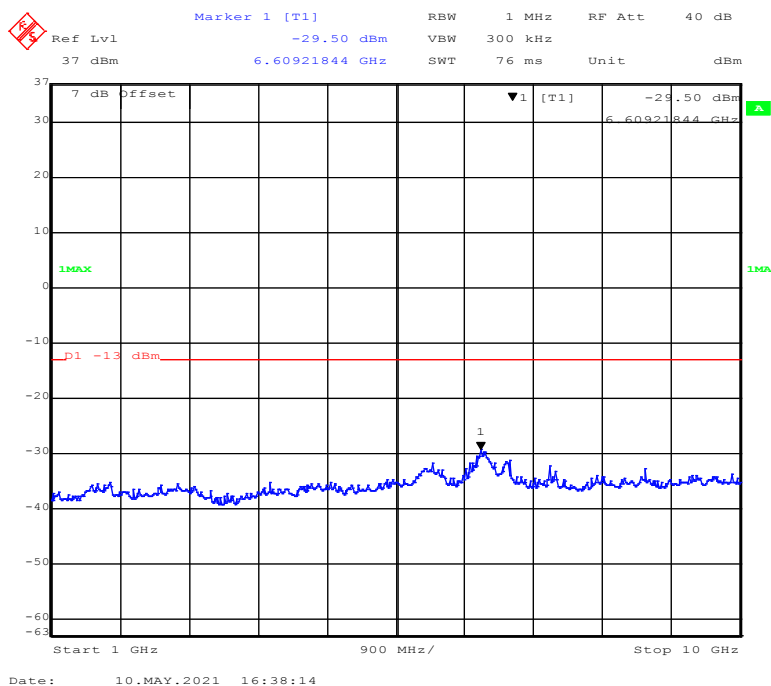
EUT operation mode: Transmitting

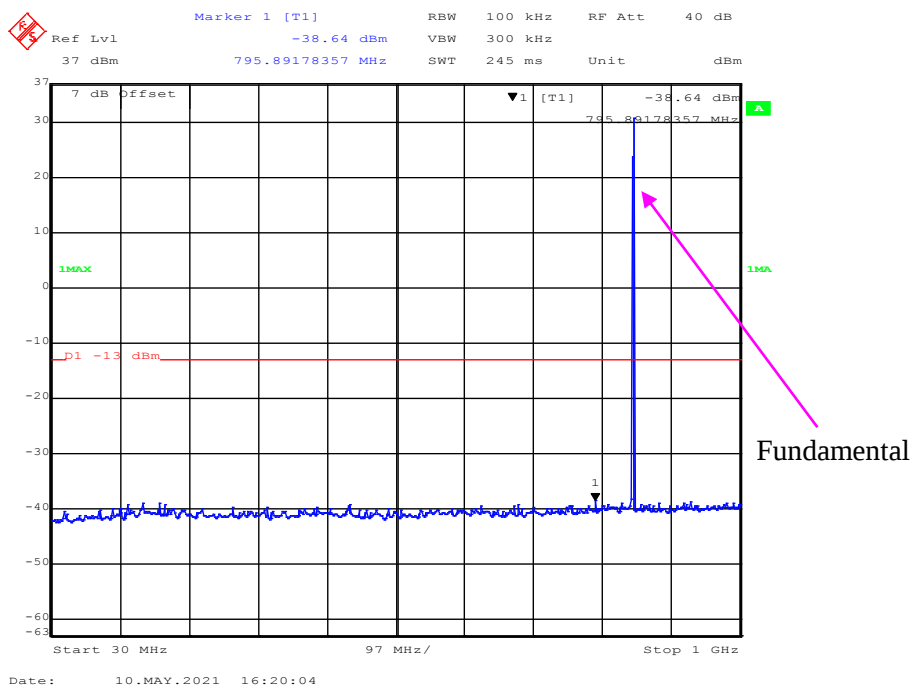
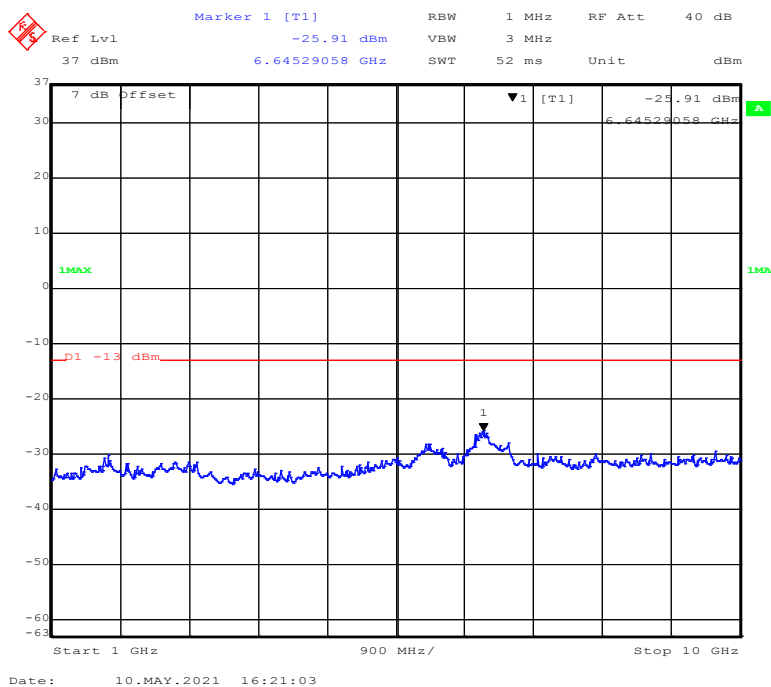
Test Result: Compliant.

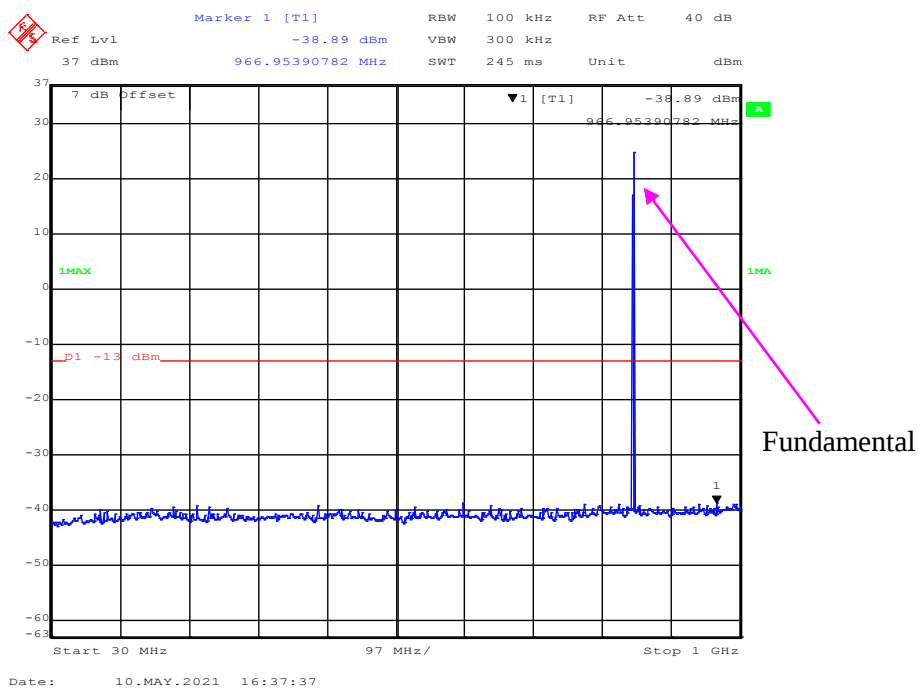
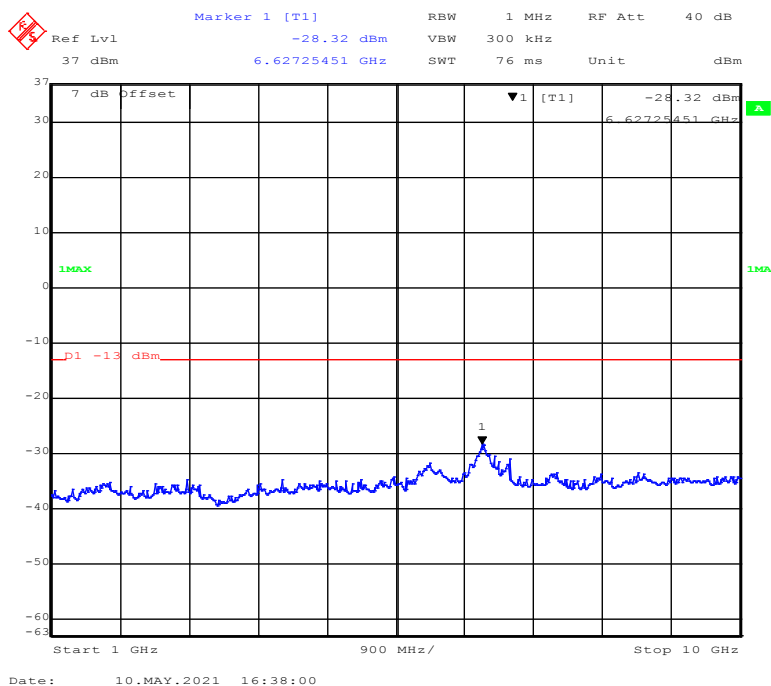
GSM 850 Band:**30 MHz – 1GHz(GPRS Mode) Low Channel****1 GHz – 10 GHz (GPRS Mode) Low Channel**

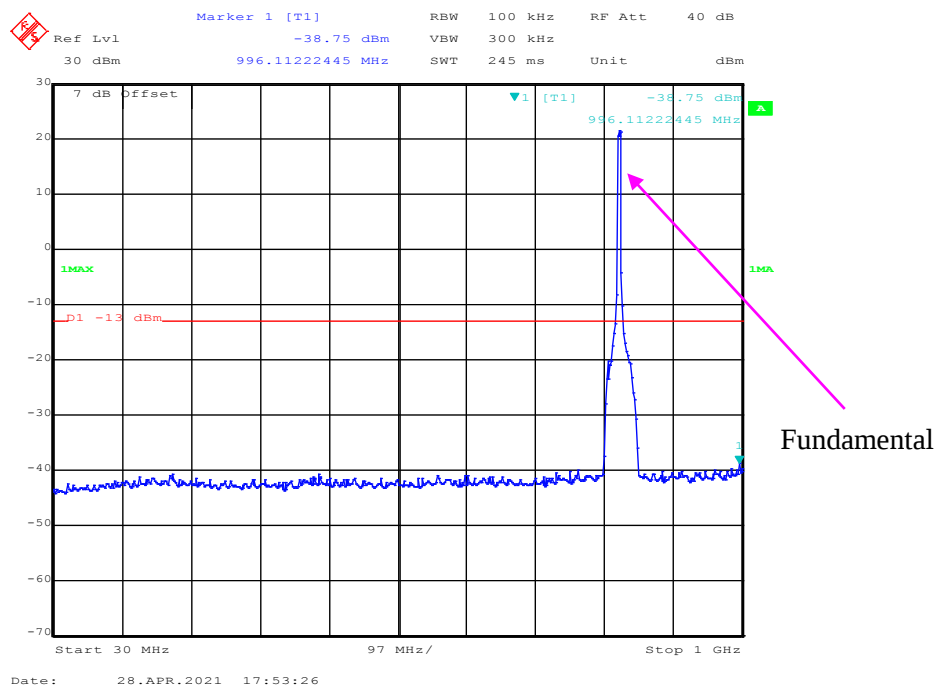
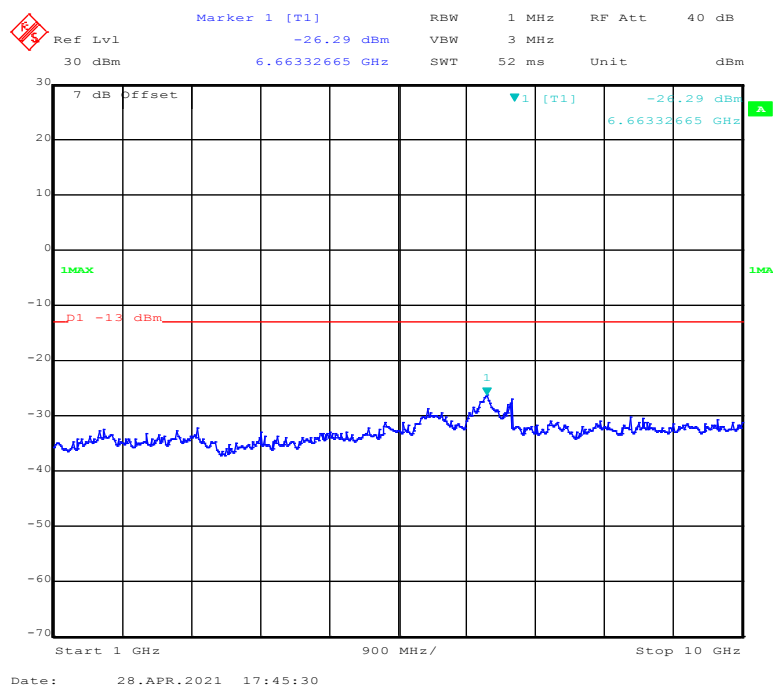
30 MHz – 1GHz(EGPRS Mode) Low Channel**1 GHz – 10 GHz (EGPRS Mode) Low Channel**

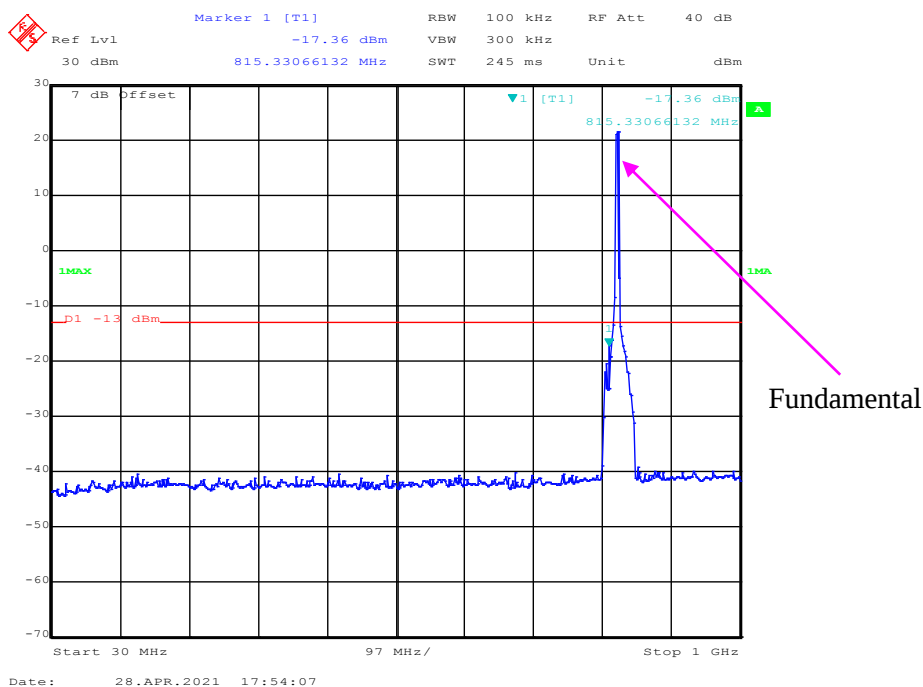
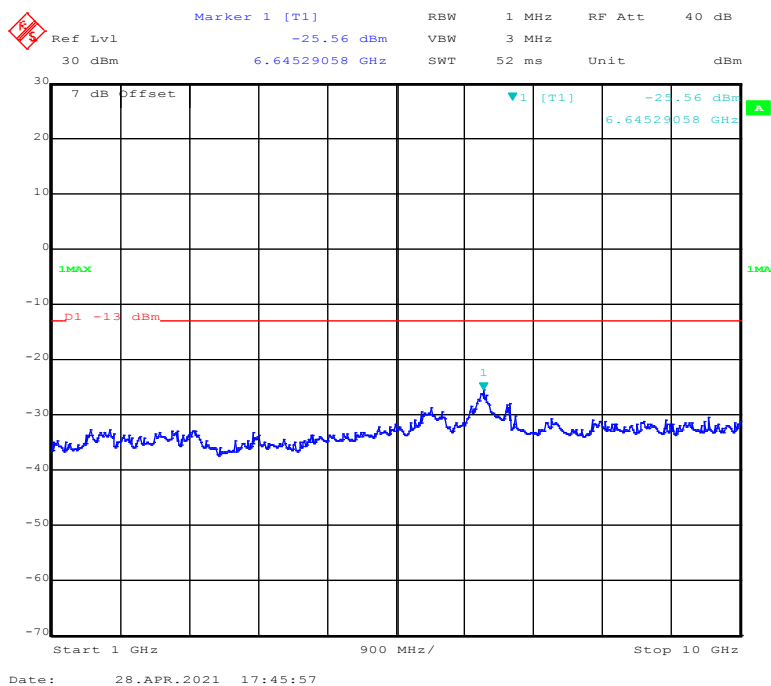
30 MHz – 1GHz(GPRS Mode) Middle Channel**1 GHz – 10 GHz (GPRS Mode) Middle Channel**

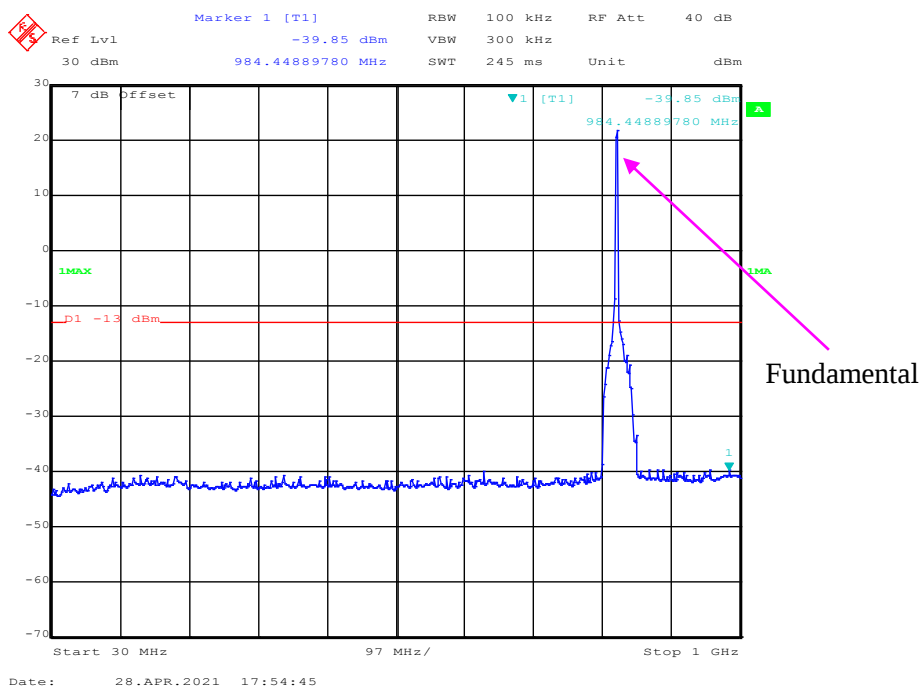
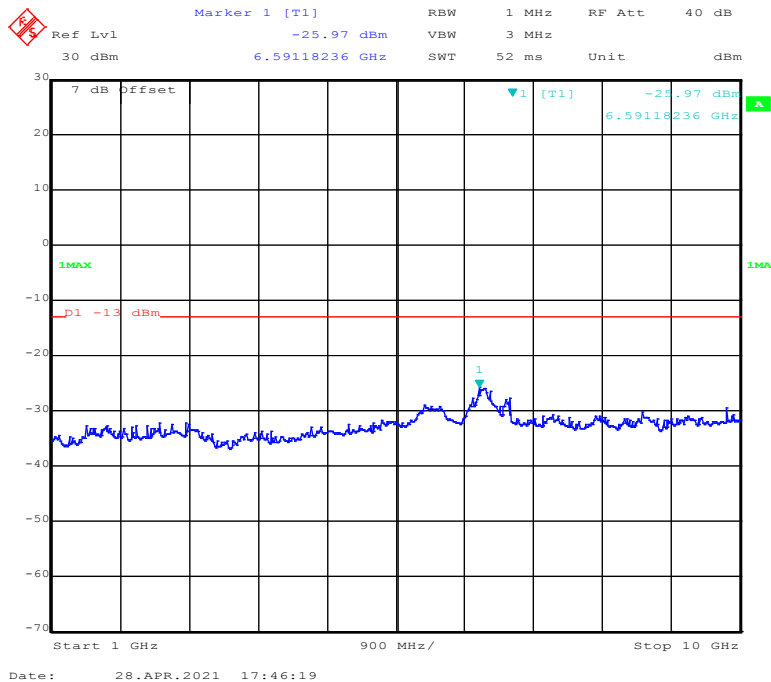
30 MHz – 1GHz(EGPRS Mode) Middle Channel**1 GHz – 10 GHz (EGPRS Mode) Middle Channel**

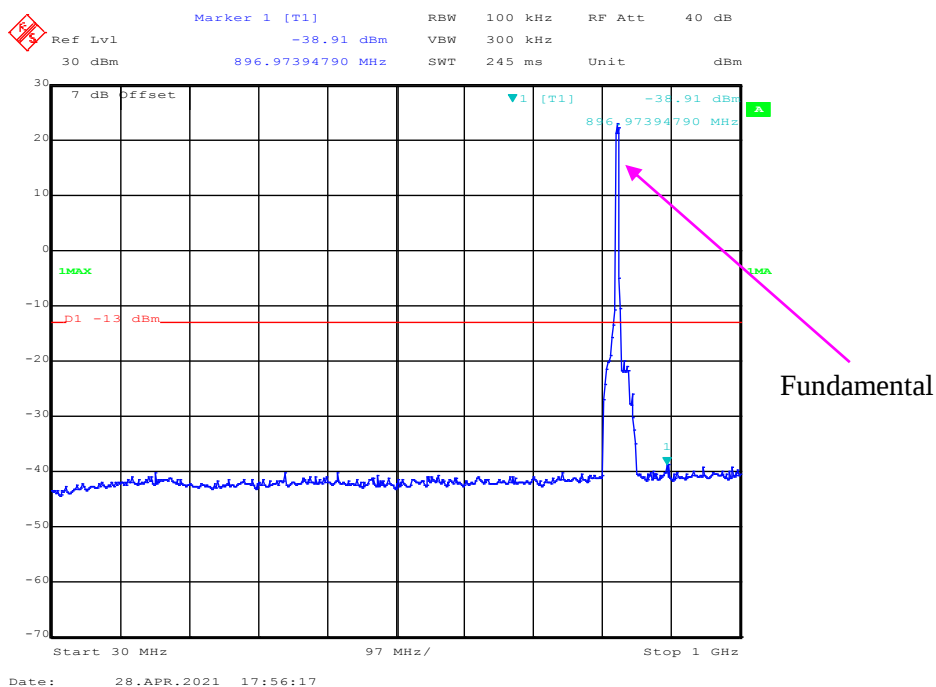
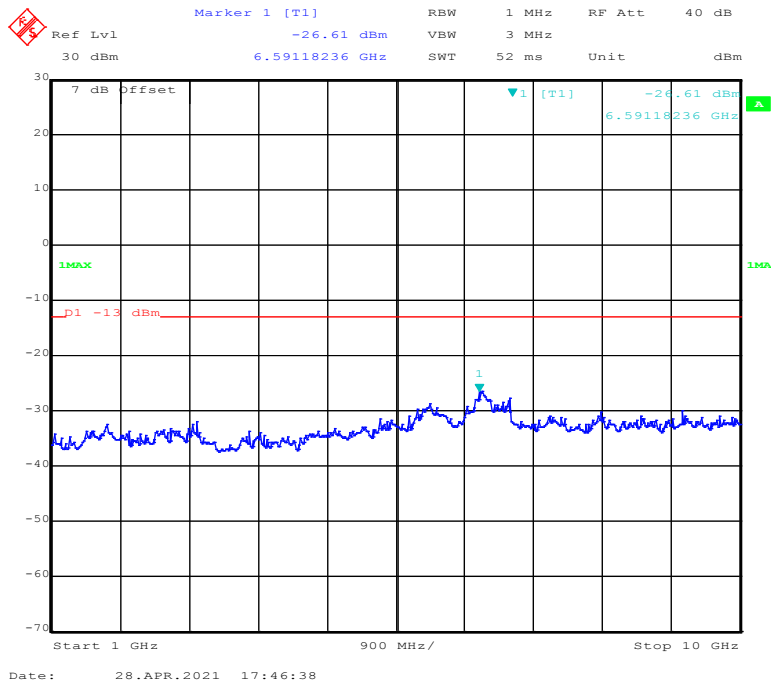
30 MHz – 1GHz(GPRS Mode) High Channel**1 GHz – 10 GHz (GPRS Mode) High Channel**

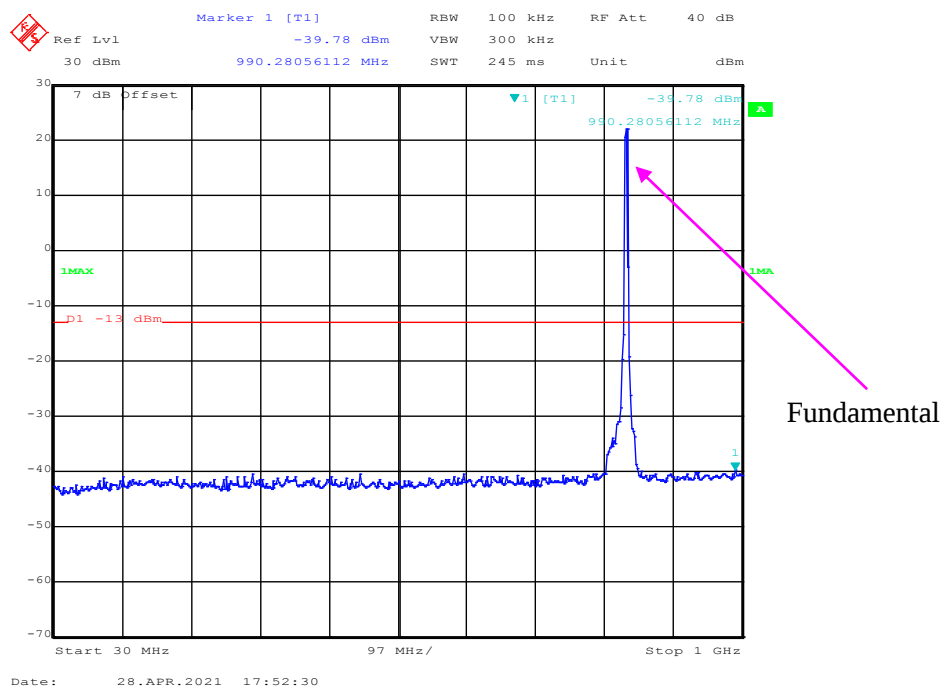
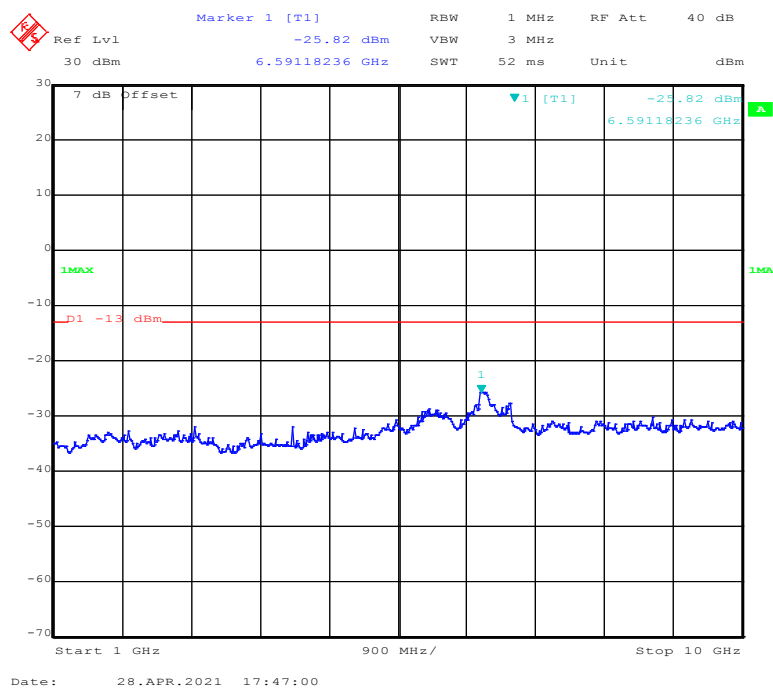
30 MHz – 1GHz(EGPRS Mode) High Channel**1 GHz – 10 GHz (EGPRS Mode) High Channel**

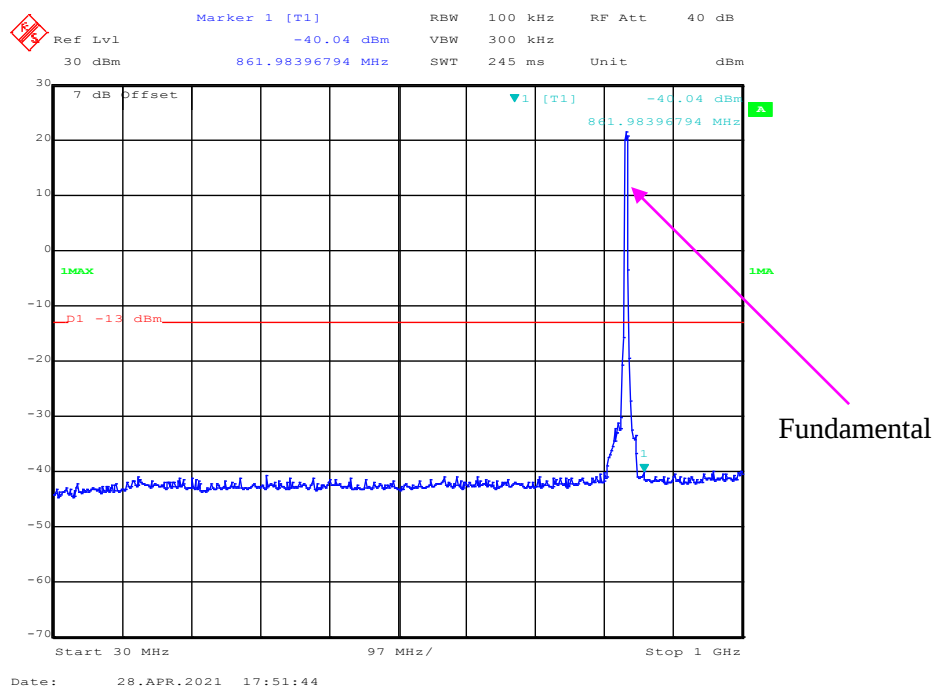
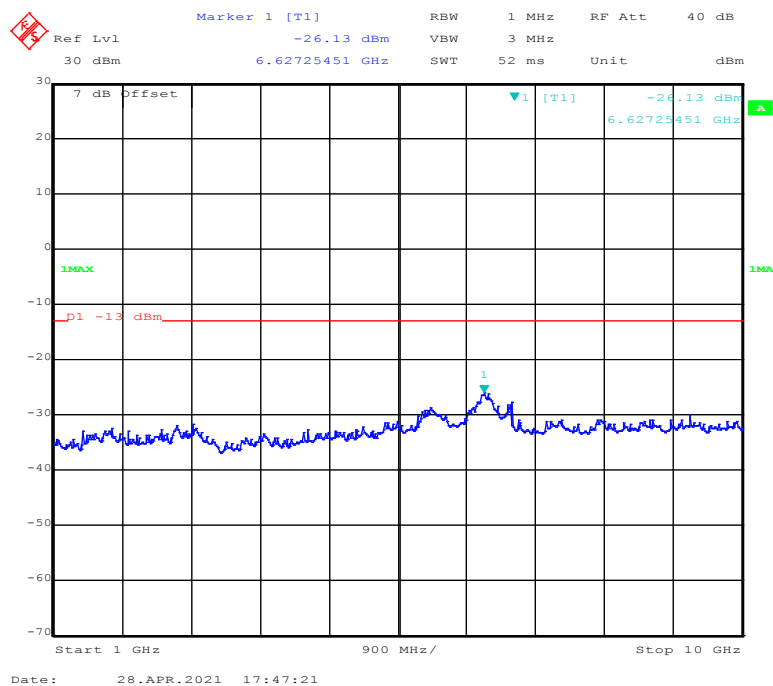
WCDMA Band V:**30 MHz – 1GHz WCDMA (Rel 99) Mode Low Channel****1 GHz – 10 GHz WCDMA (Rel 99) Mode Low Channel**

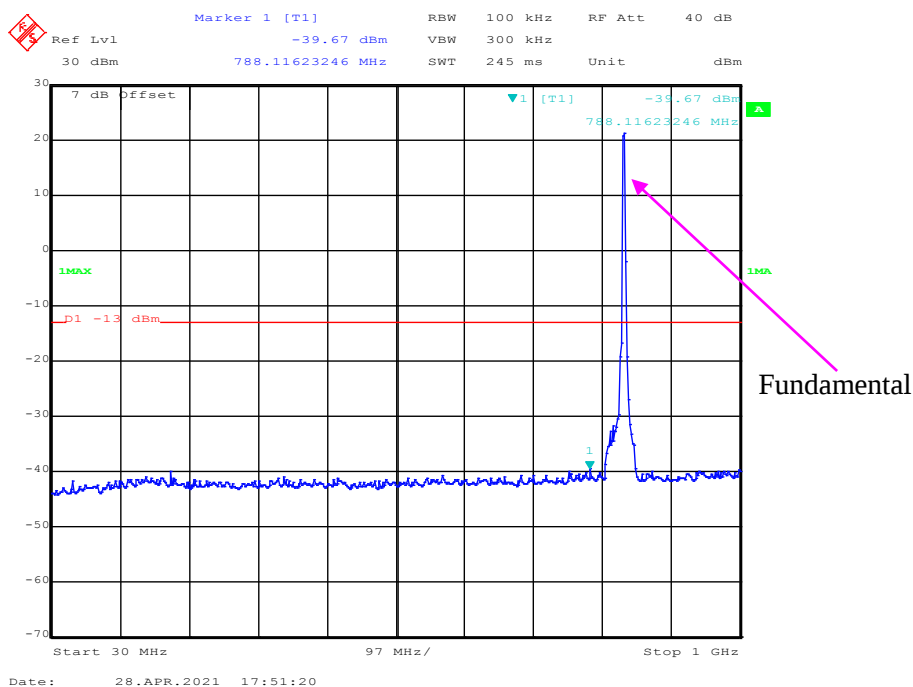
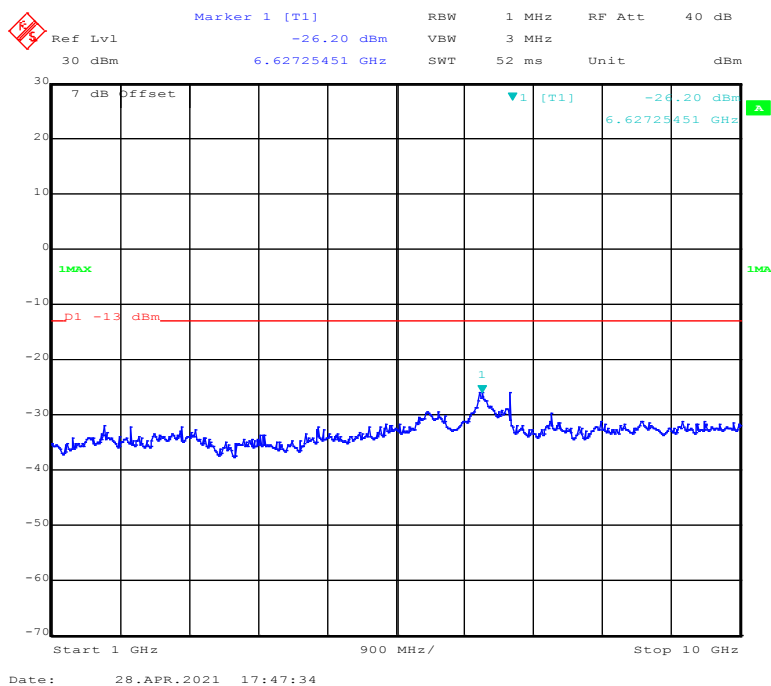
30 MHz – 1GHz WCDMA (HSDPA) Mode Low Channel**1 GHz – 10 GHz WCDMA (HSDPA) Mode Low Channel**

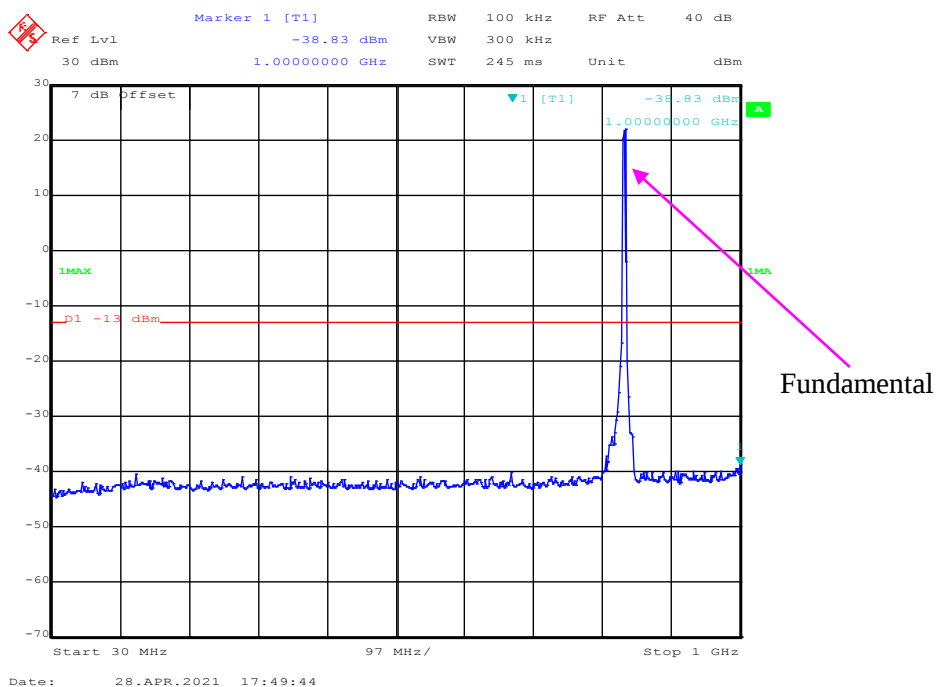
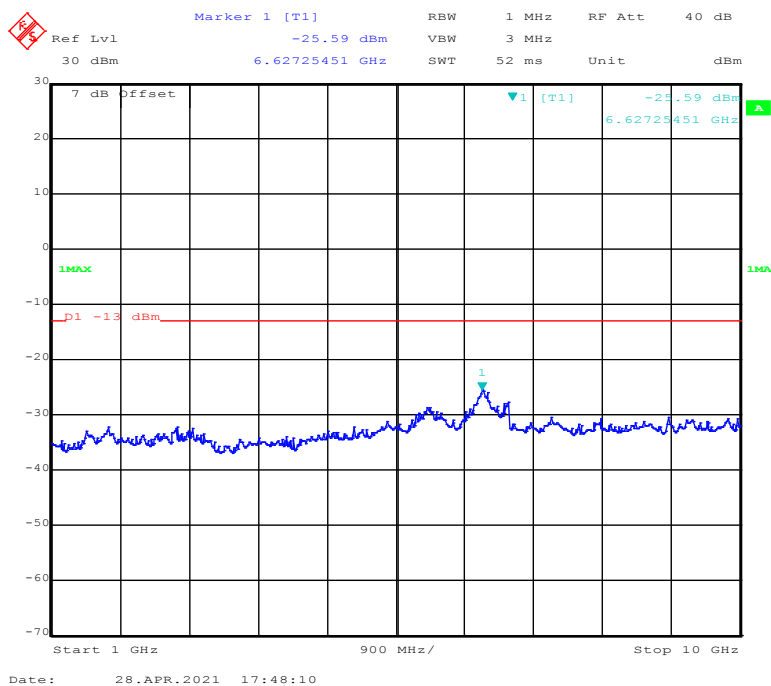
30 MHz – 1GHz WCDMA (HSUPA) Mode Low Channel**1 GHz – 10 GHz WCDMA (HSUPA) Mode Low Channel**

30 MHz – 1GHz WCDMA (HSPA+) Mode Low Channel**1 GHz – 10 GHz WCDMA (HSPA+) Mode Low Channel**

30 MHz – 1GHz WCDMA (Rel 99) Mode Middle Channel**1 GHz – 10 GHz WCDMA (Rel 99) Mode Middle Channel**

30 MHz – 1GHz WCDMA (HSDPA) Mode Middle Channel**1 GHz – 10 GHz WCDMA (HSDPA) Mode Middle Channel**

30 MHz – 1GHz WCDMA (HSUPA) Mode Middle Channel**1 GHz – 10 GHz WCDMA (HSUPA) Mode Middle Channel**

30 MHz – 1GHz WCDMA (HSPA+) Mode Middle Channel**1 GHz – 10 GHz WCDMA (HSPA+) Mode Middle Channel**

Marker 1 [T1] -38.87 dBm

Ref Lvl 30 dBm

RBW 100 kHz

VBW 300 kHz

SWT 245 ms

Unit dBm

7 dB Offset

1MAX

D1 -13 dBm

935.85170341 MHz

-38.87 dBm

1

Start 30 MHz

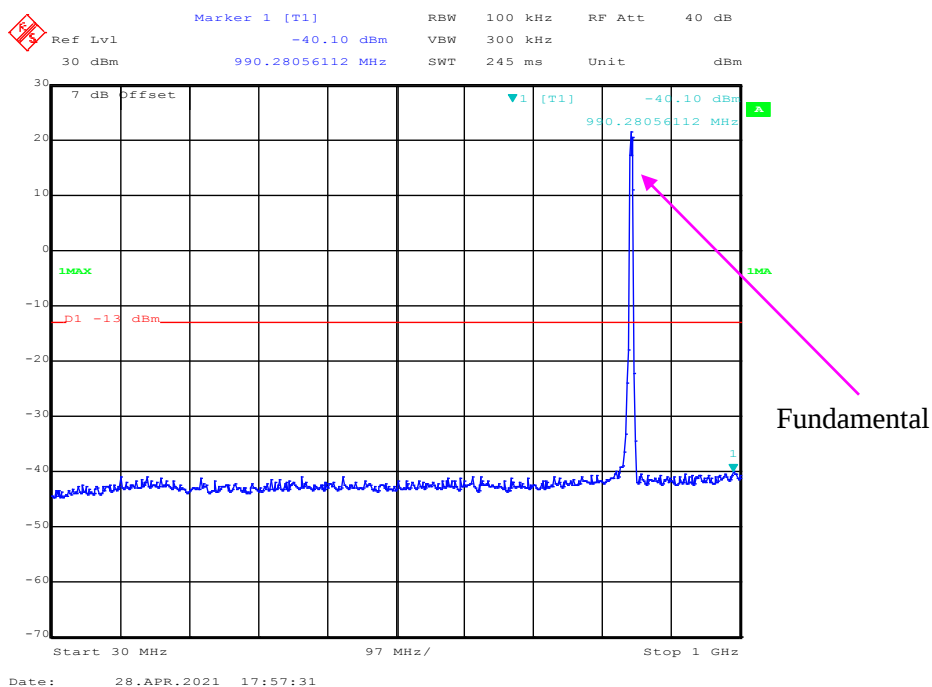
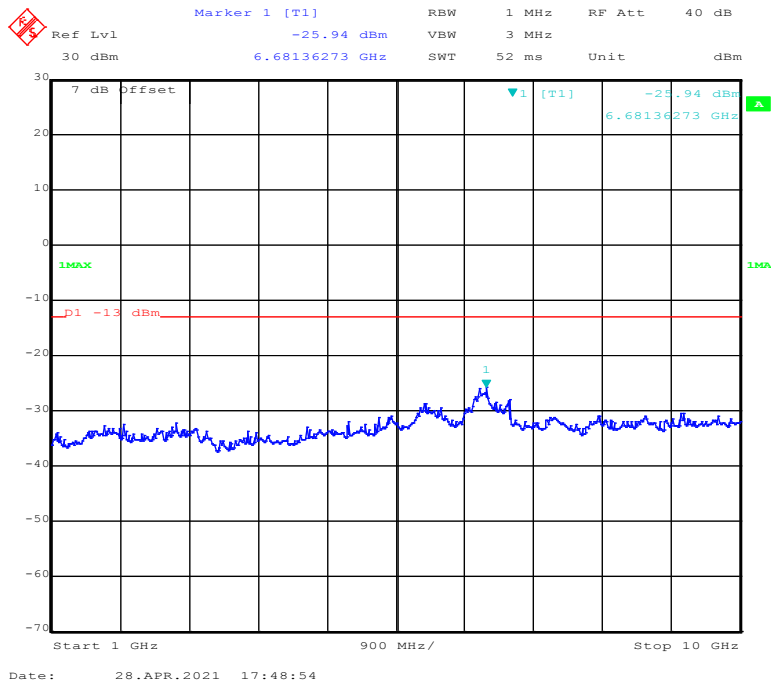
97 MHz/

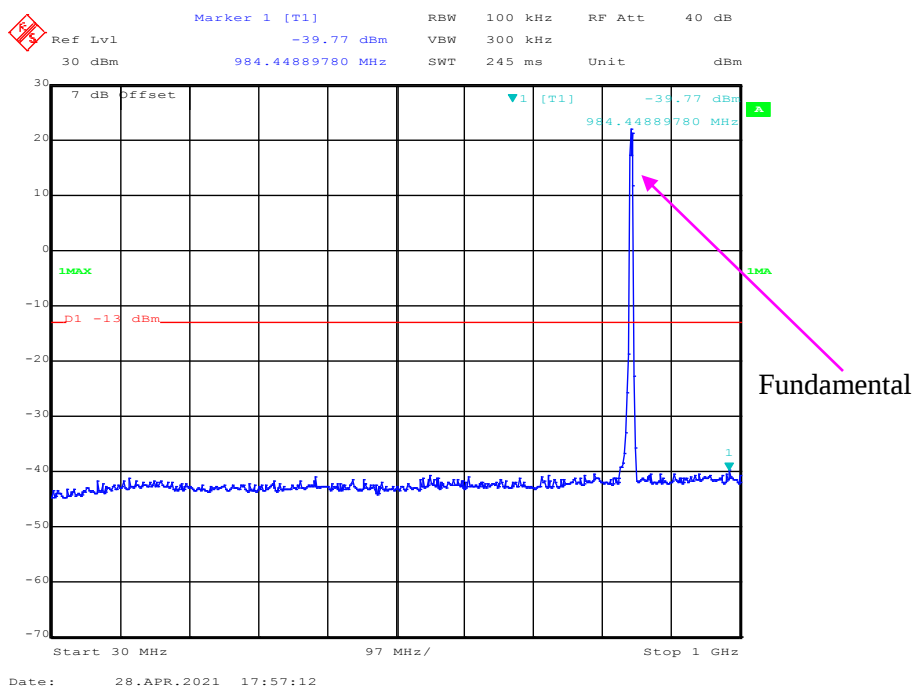
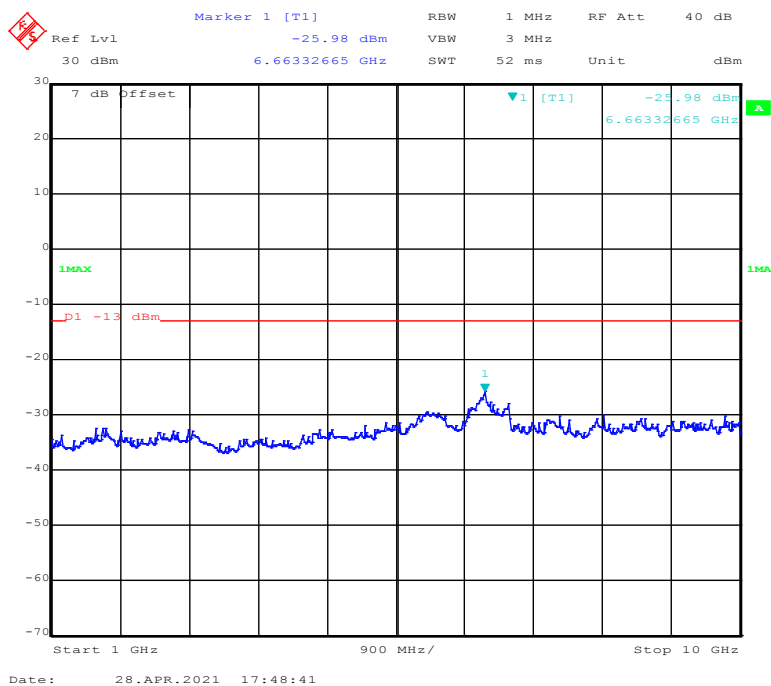
Stop 1 GHz

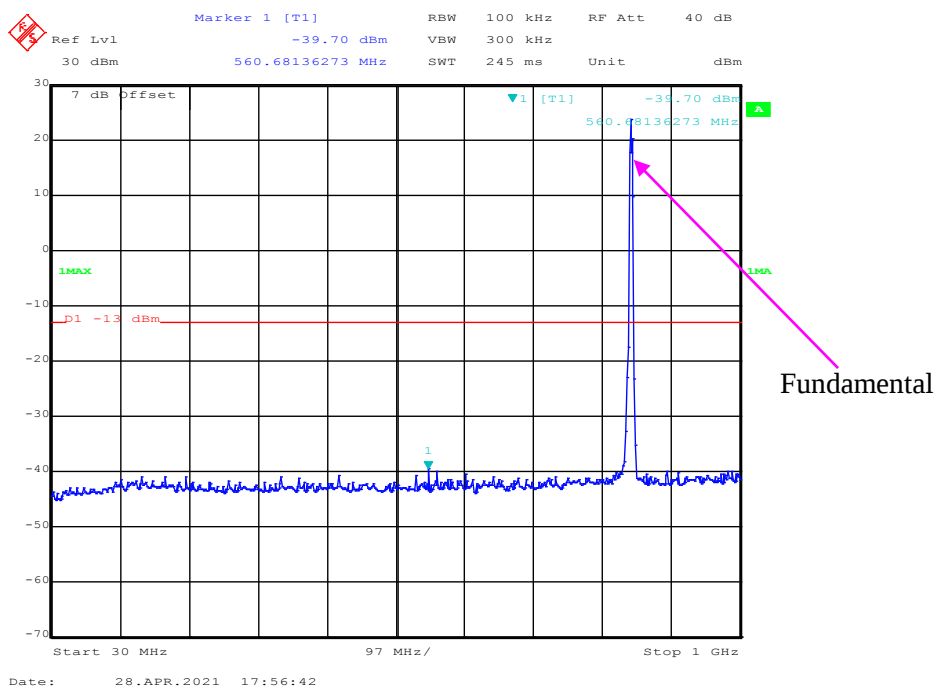
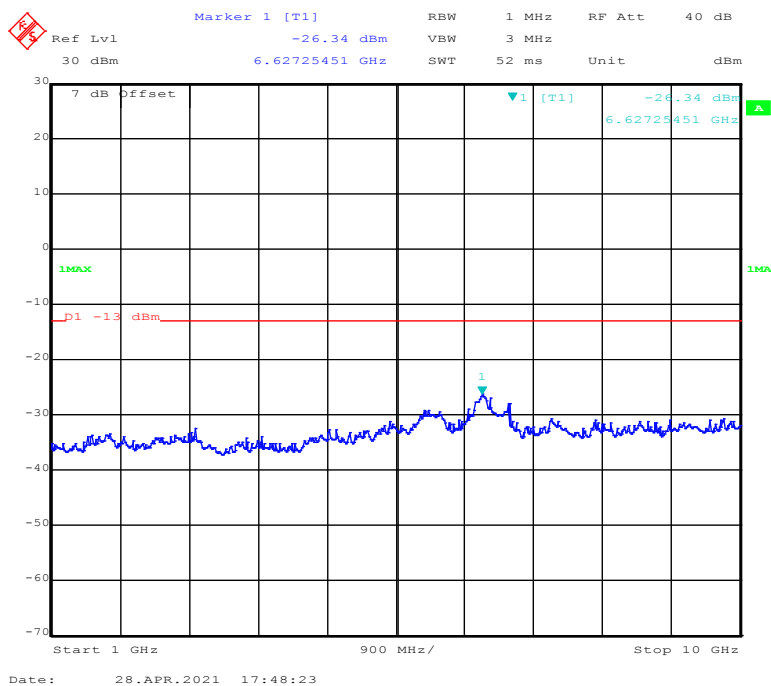
Date: 28.APR.2021 17:57:57

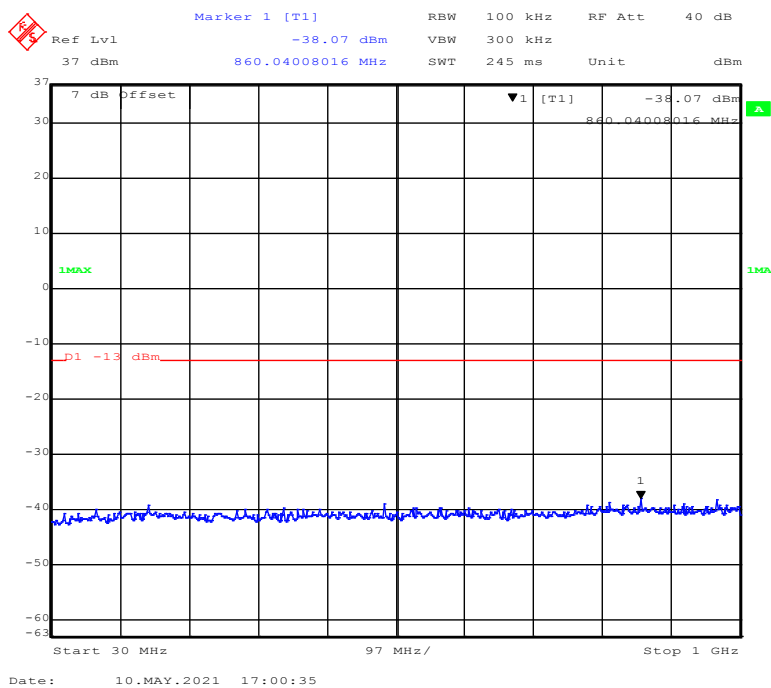
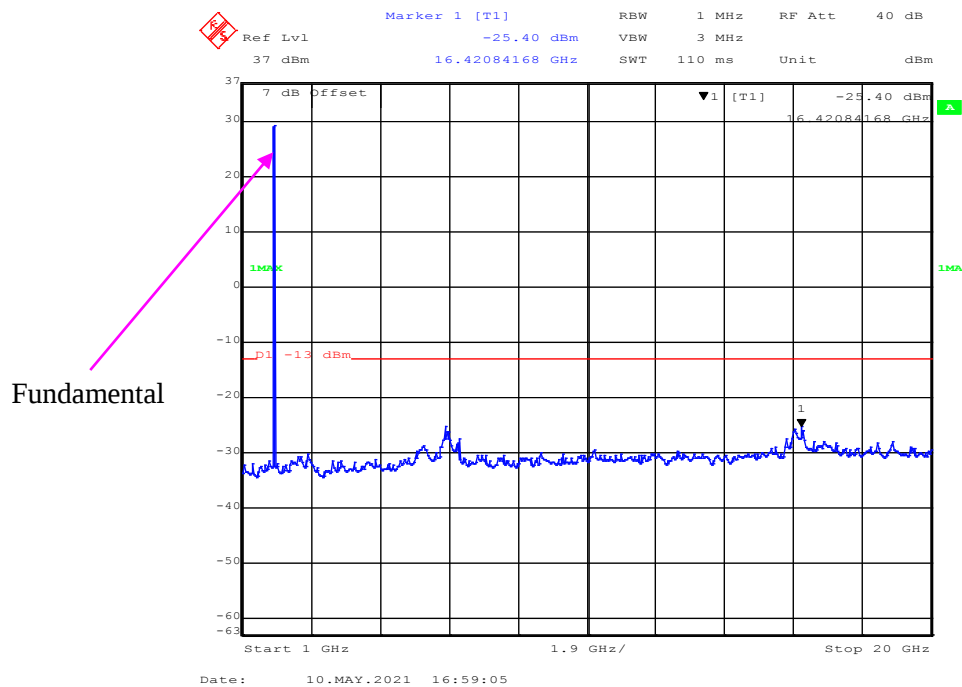
Ref Lvl 30 dBm
 30 dBm
 Marker 1 [T1] -25.36 dBm
 6.62725451 GHz
 RBW 1 MHz
 VBW 3 MHz
 SWT 52 ms
 RF Att 40 dB
 Unit dBm

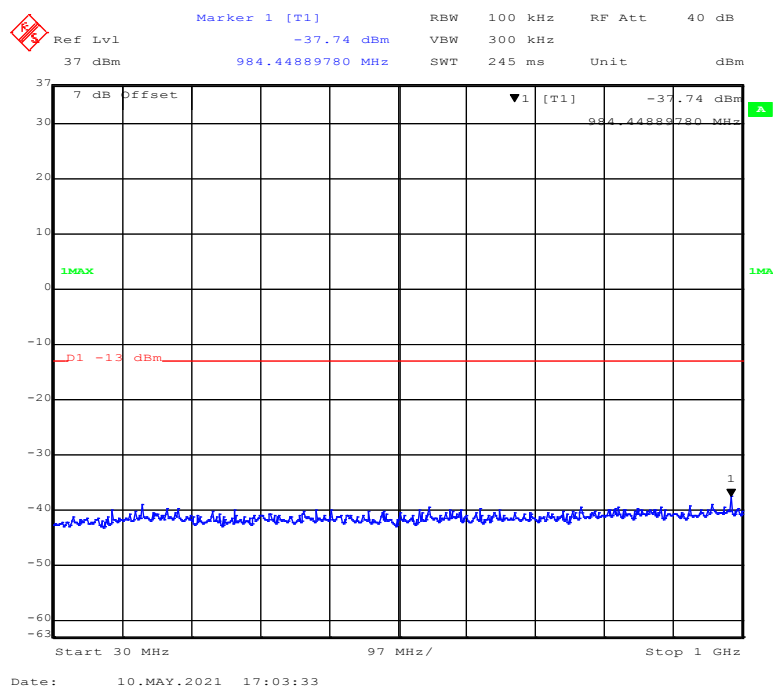
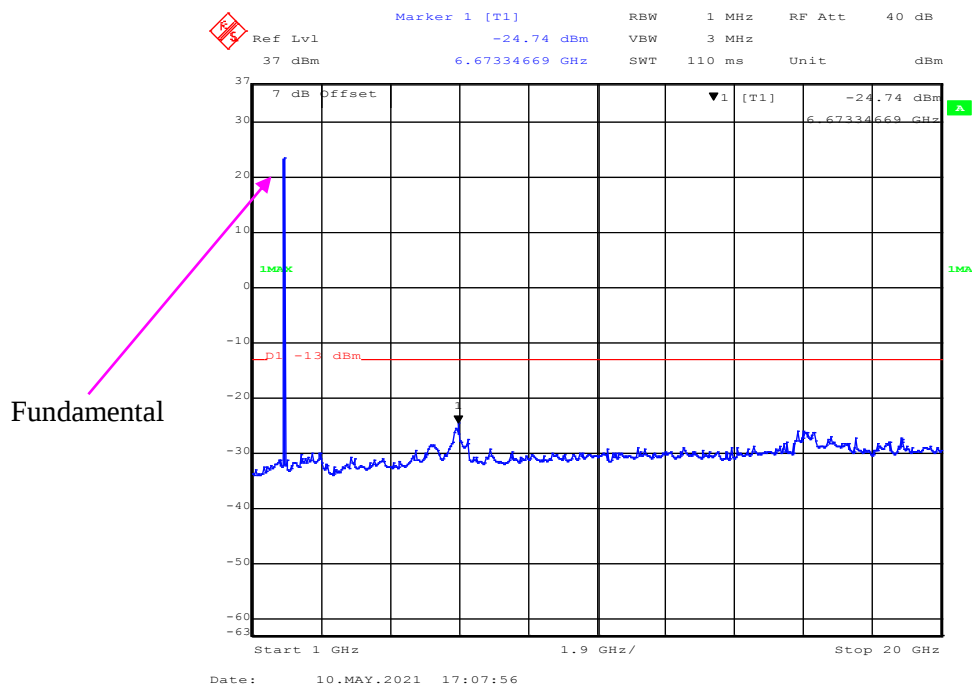
7 dB Offset
 1MAX
 D1 -13 dBm
 Start 1 GHz
 900 MHz/
 Stop 10 GHz

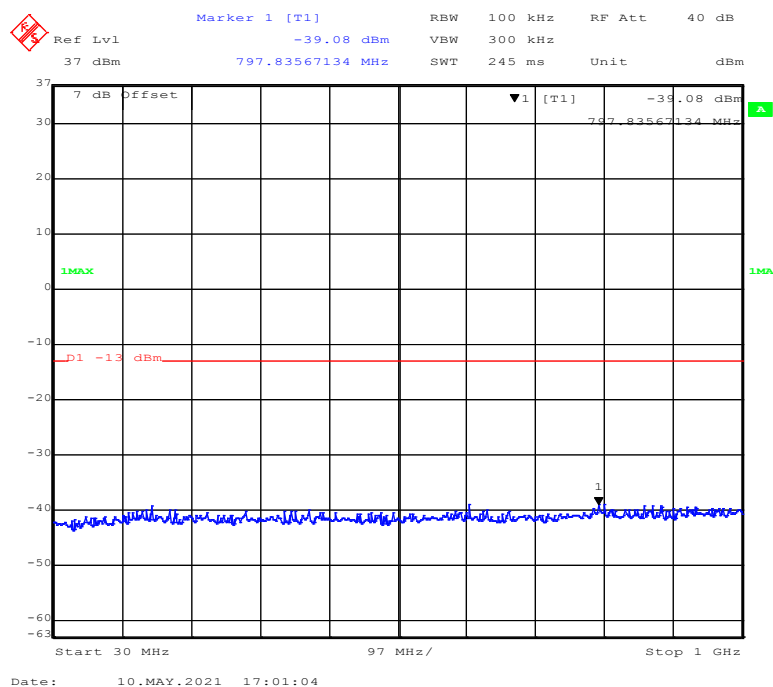
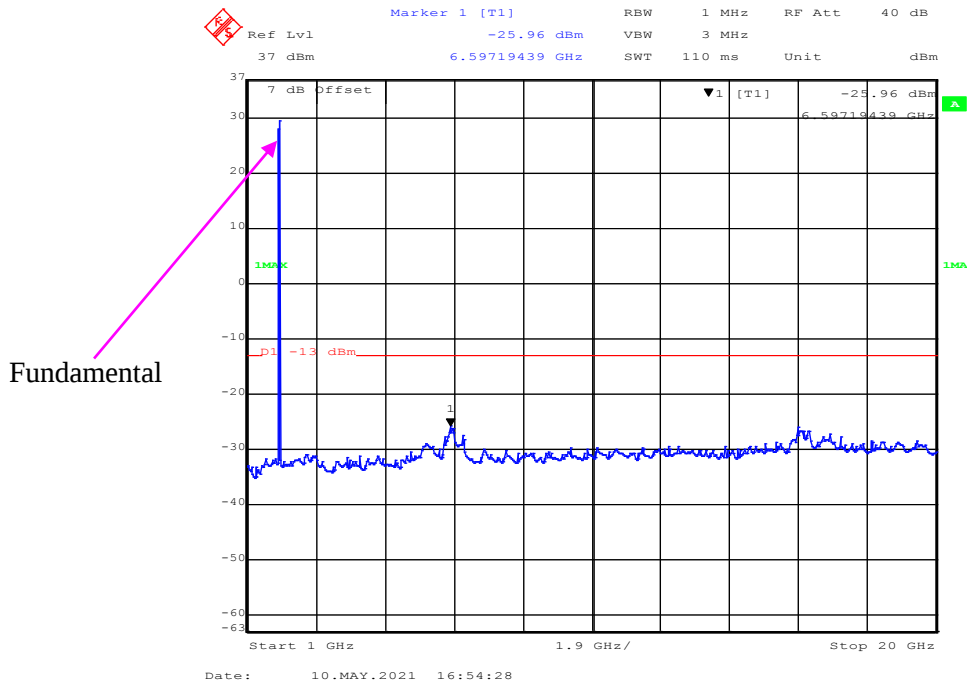
30 MHz – 1GHz WCDMA (HSDPA) Mode High Channel**1 GHz – 10 GHz WCDMA (HSDPA) Mode High Channel**

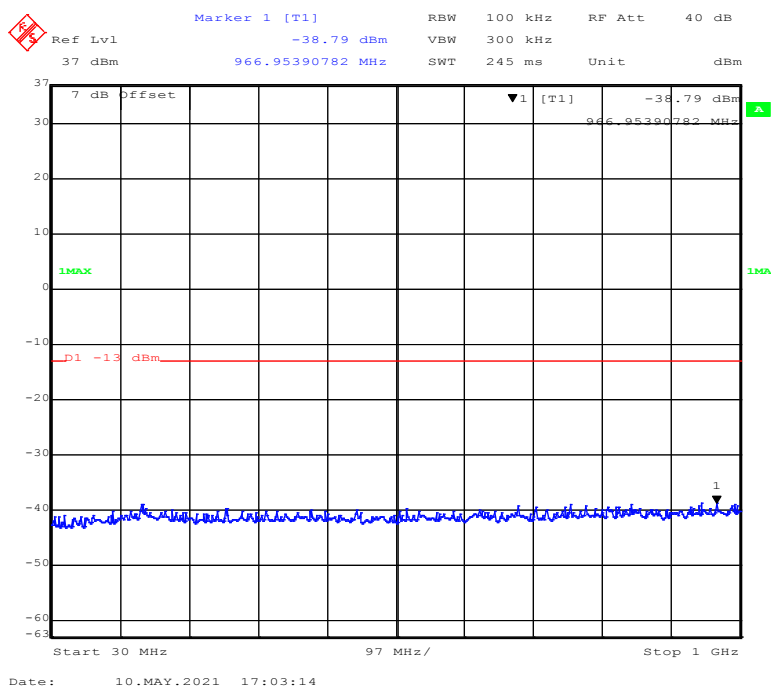
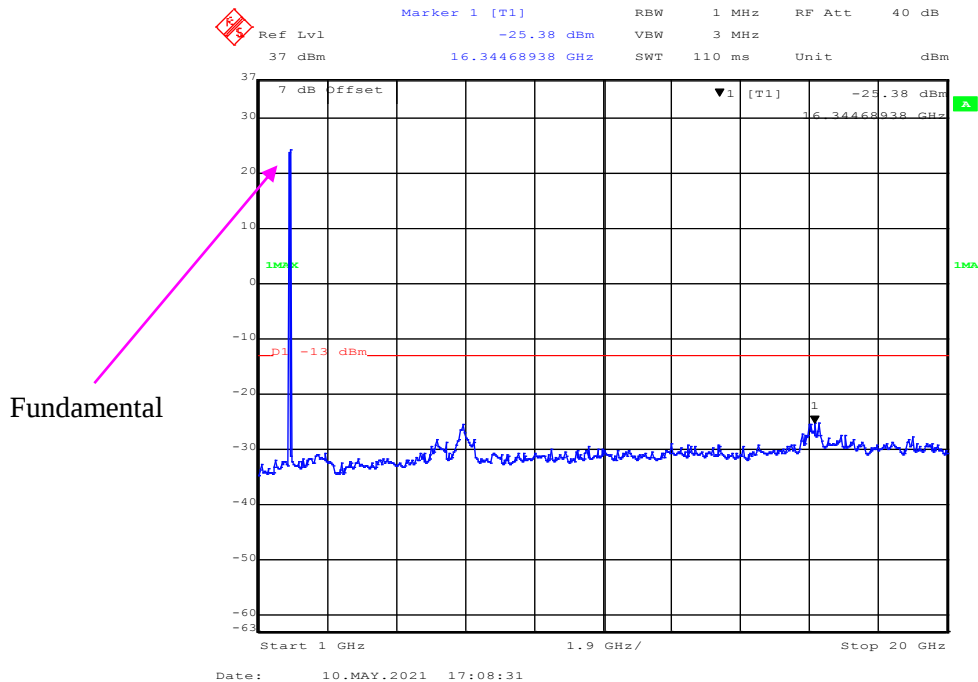
30 MHz – 1GHz WCDMA (HSUPA) Mode High Channel**1 GHz – 10 GHz WCDMA (HSUPA) Mode High Channel**

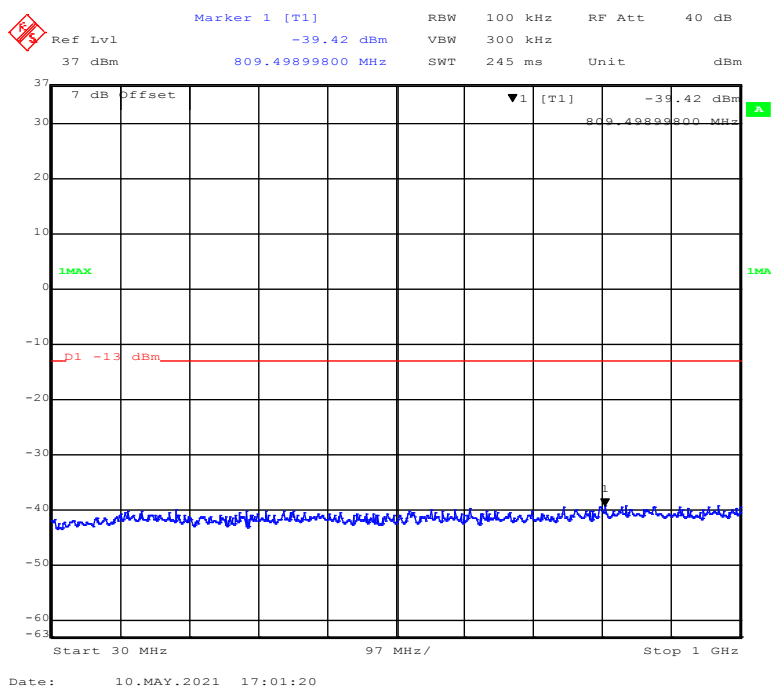
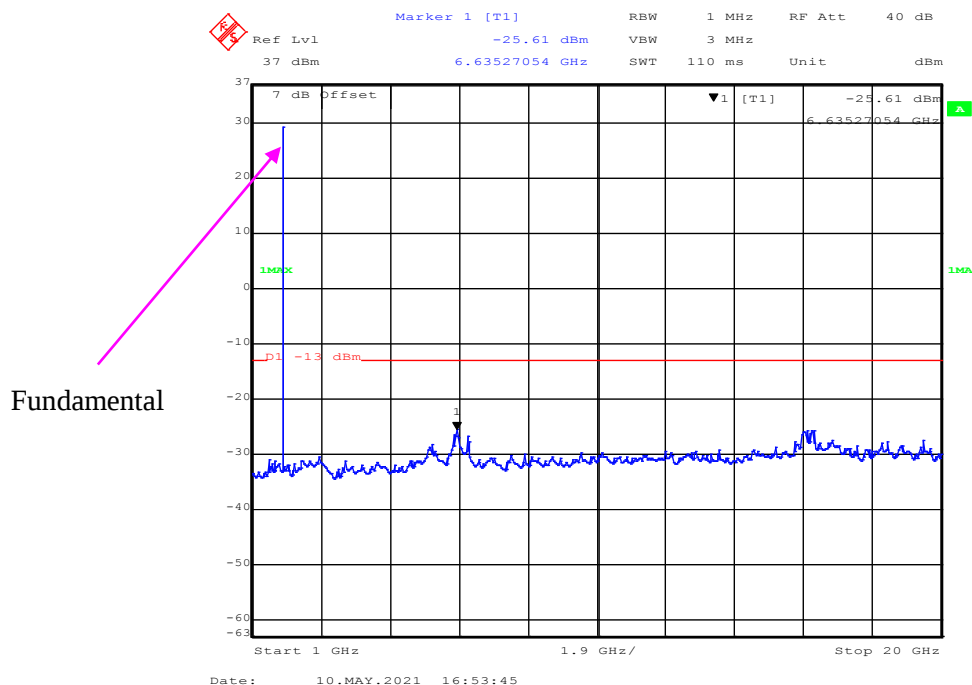
30 MHz – 1GHz WCDMA (HSPA+) Mode High Channel**1 GHz – 10 GHz WCDMA (HSPA+) Mode High Channel**

PCS 1900 Band:**30 MHz – 1GHz(GPRS Mode) Low Channel****1 GHz – 20 GHz (GPRS Mode) Low Channel**

30 MHz – 1GHz(EGPRS Mode) Low Channel**1 GHz – 20 GHz (EGPRS Mode) Low Channel**

30 MHz – 1GHz(GPRS Mode) Middle Channel**1 GHz – 20 GHz (GPRS Mode) Middle Channel**

30 MHz – 1GHz(EGPRS Mode) Middle Channel**1 GHz – 20 GHz (EGPRS Mode) Middle Channel**

30 MHz – 1GHz(GPRS Mode) High Channel**1 GHz – 20 GHz (GPRS Mode) High Channel**

Marker 1 [T1]
 RBW 100 kHz RF Att 40 dB
 Ref Lvl -32.62 dBm VBW 300 kHz
 37 dBm 768.67735471 MHz SWT 245 ms Unit dBm

7 dB Offset
 -32.62 dBm
 768.67735471 MHz
 1MAX
 1MAX
 -13 dBm
 1
 Start 30 MHz 97 MHz/ Stop 1 GHz
 Date: 10.MAY.2021 17:14:29

Marker 1 [T1]

Ref Lvl -25.27 dBm

37 dBm 16.49699399 GHz

RBW 1 MHz RF Att 40 dB

VBW 3 MHz

SWT 110 ms Unit dBm

7 dB Offset

▼1 [T1] -25.27 dBm

16.49699399 GHz

1MAX

1MAX

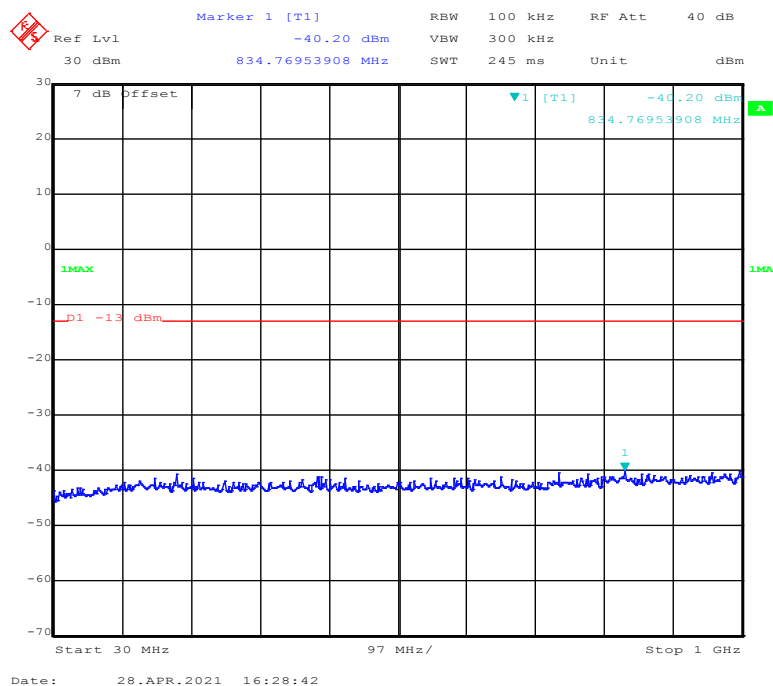
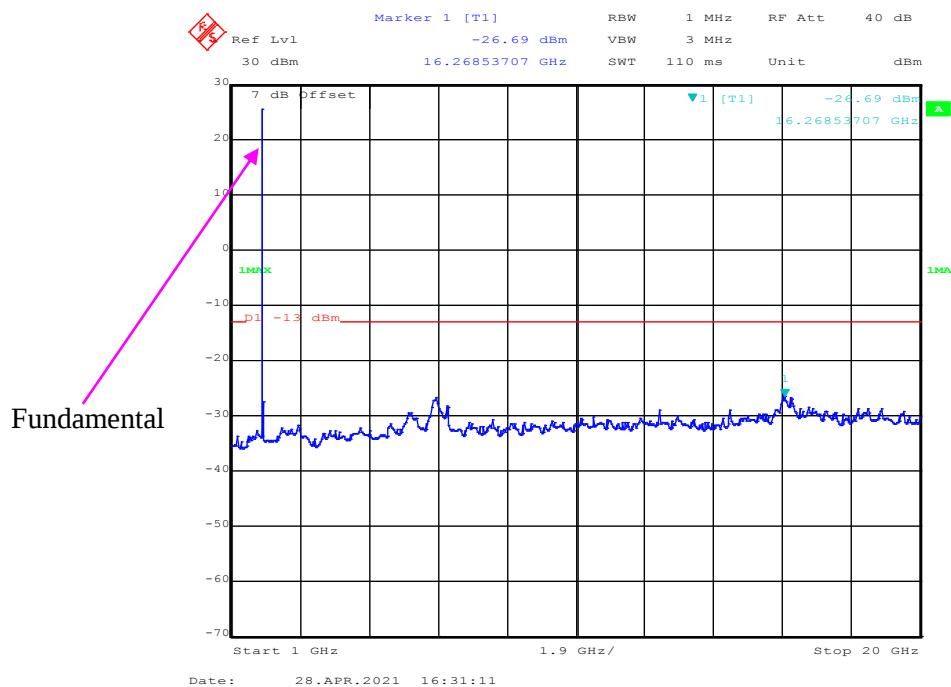
01 -13 dBm

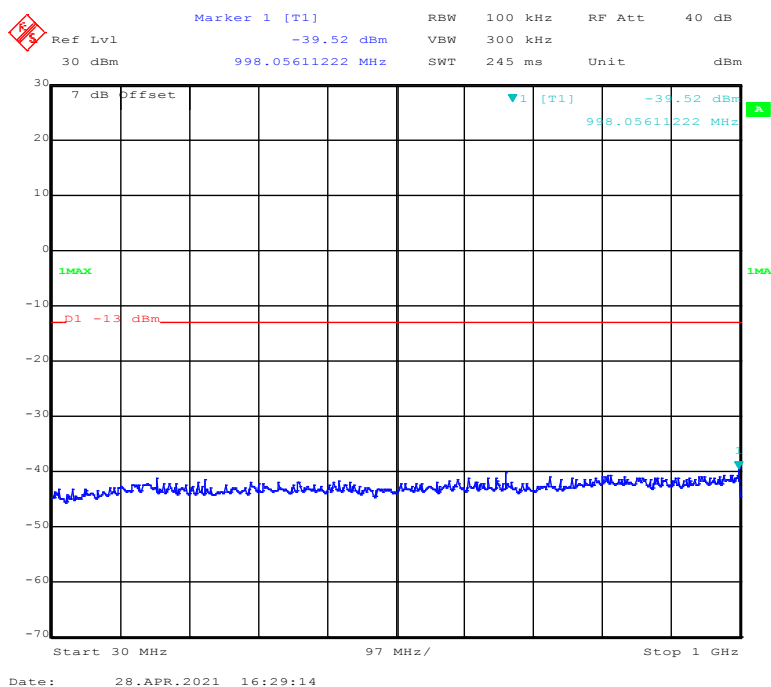
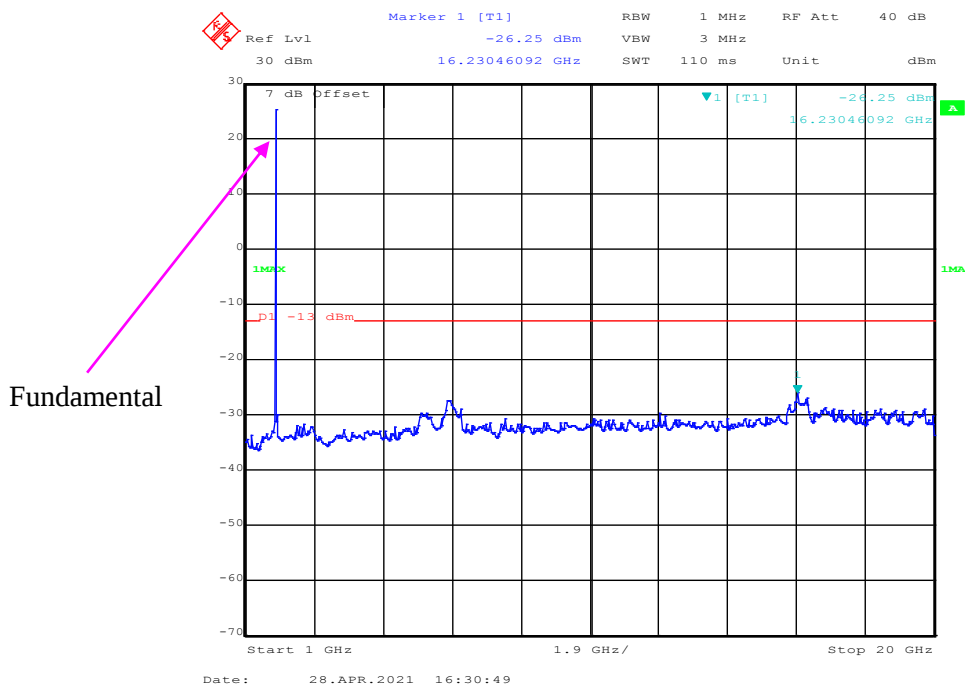
1

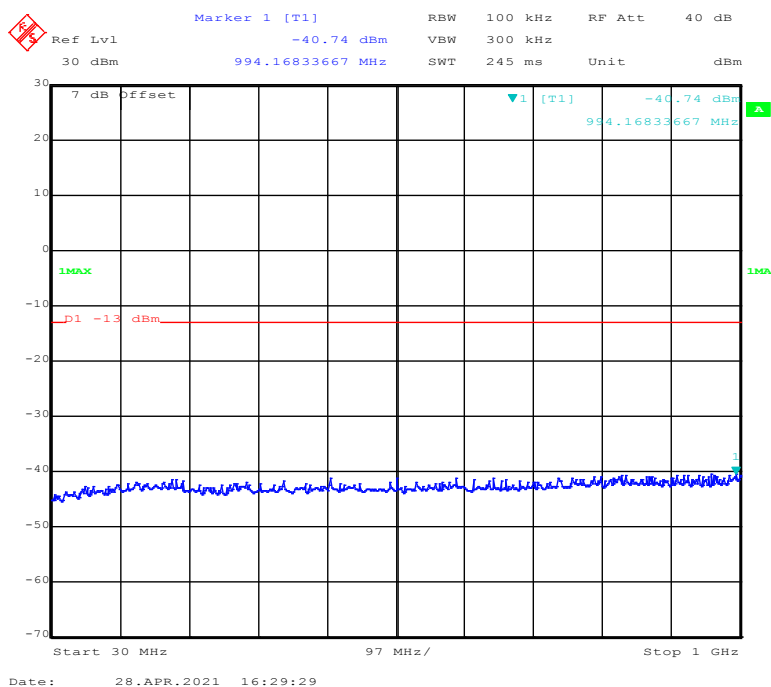
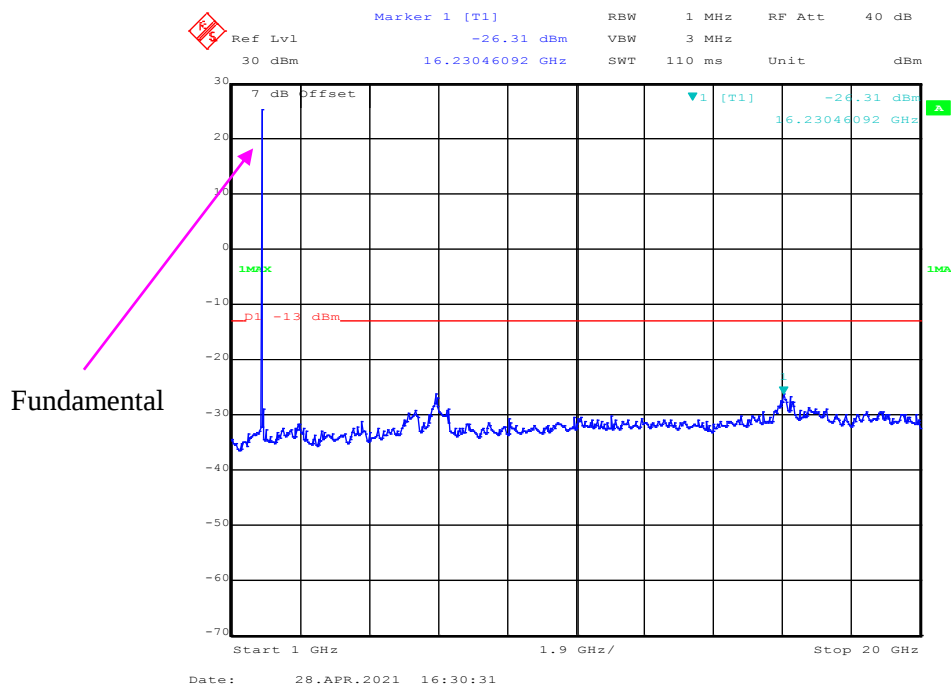
Start 1 GHz 1.9 GHz/ Stop 20 GHz

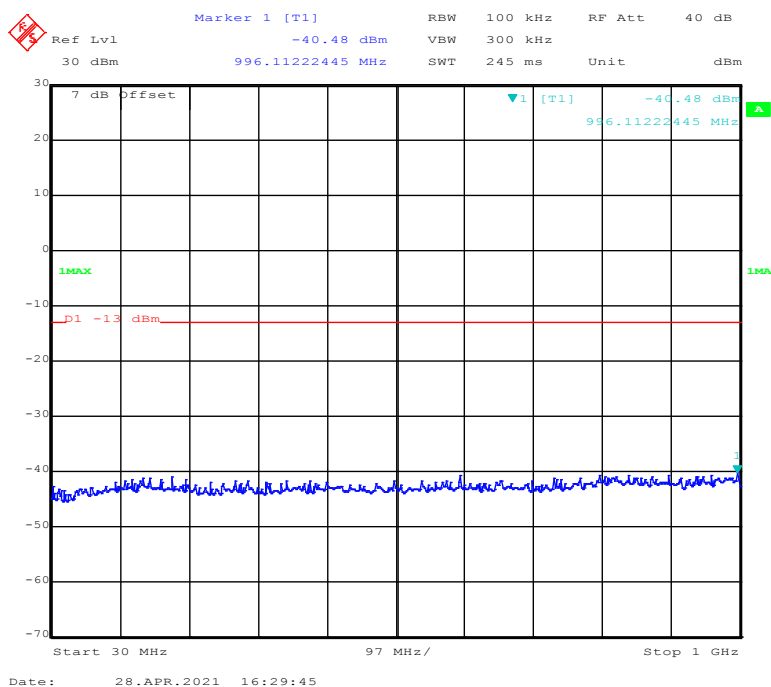
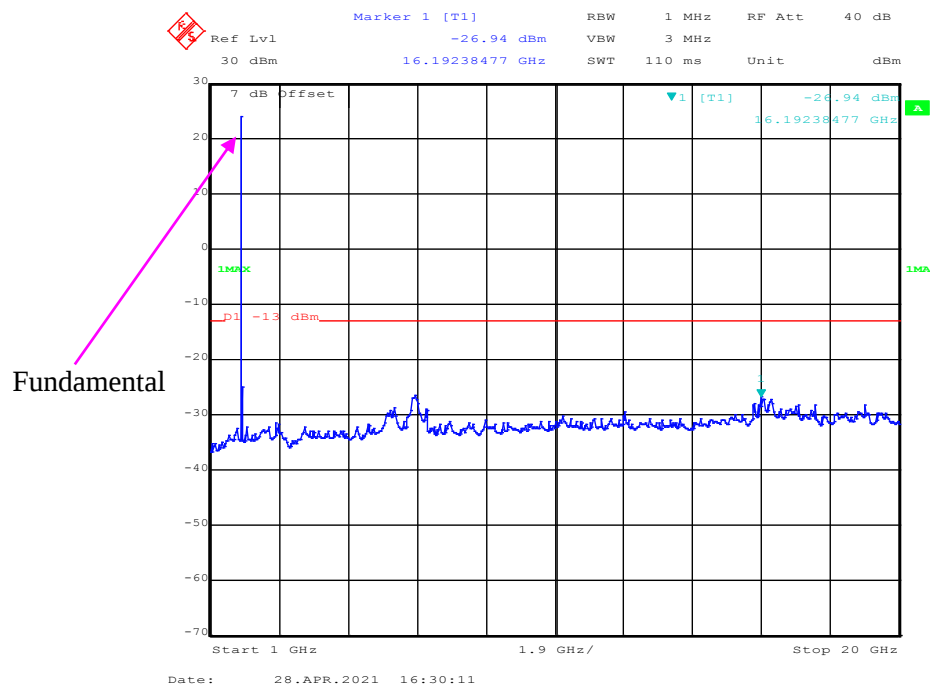
Date: 10.MAY.2021 17:09:17

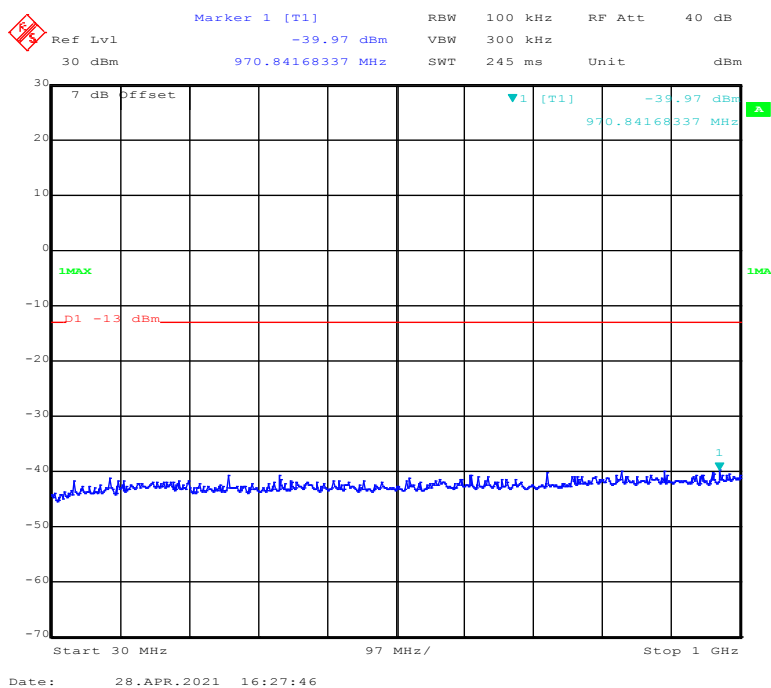
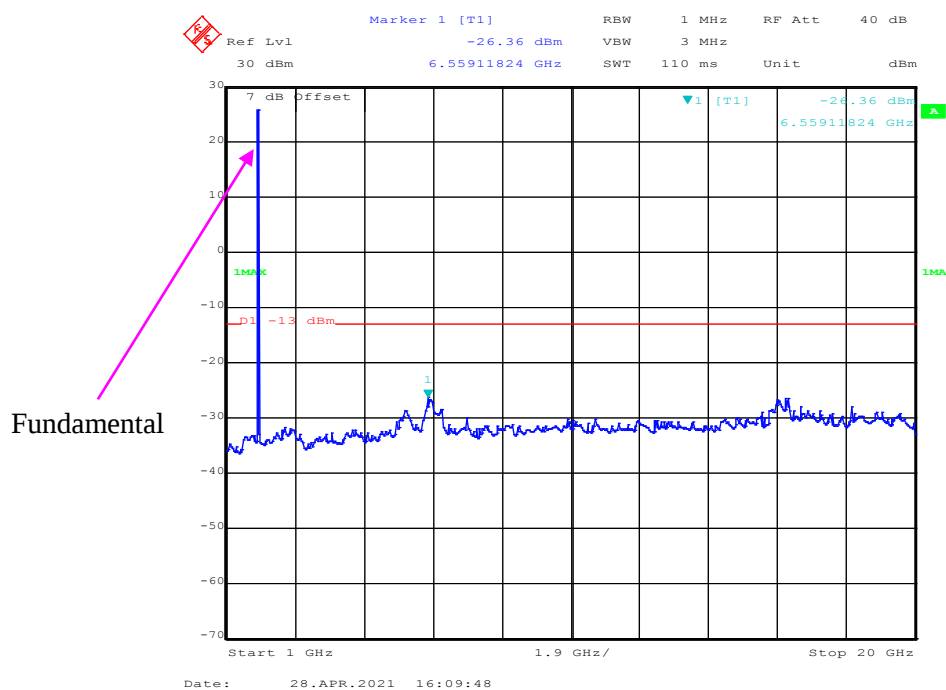
Fundamental

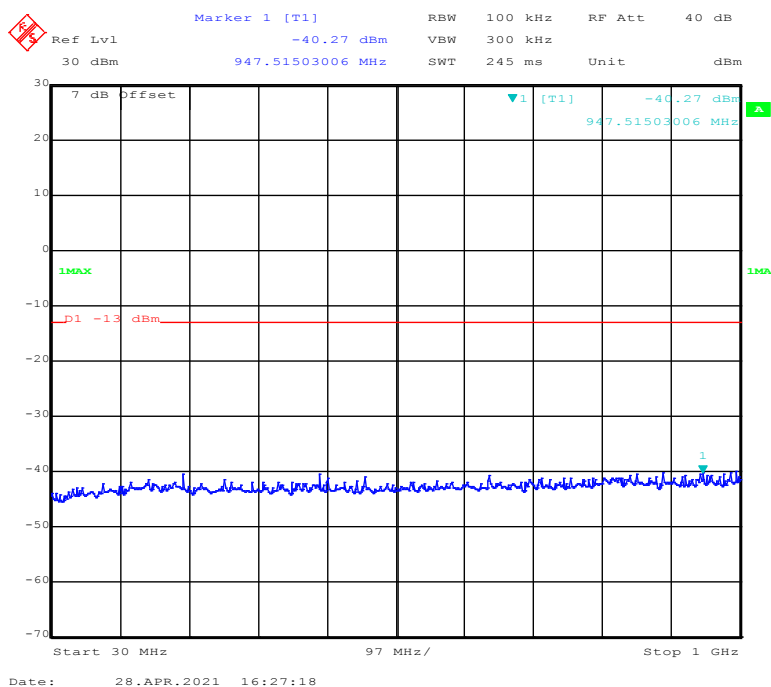
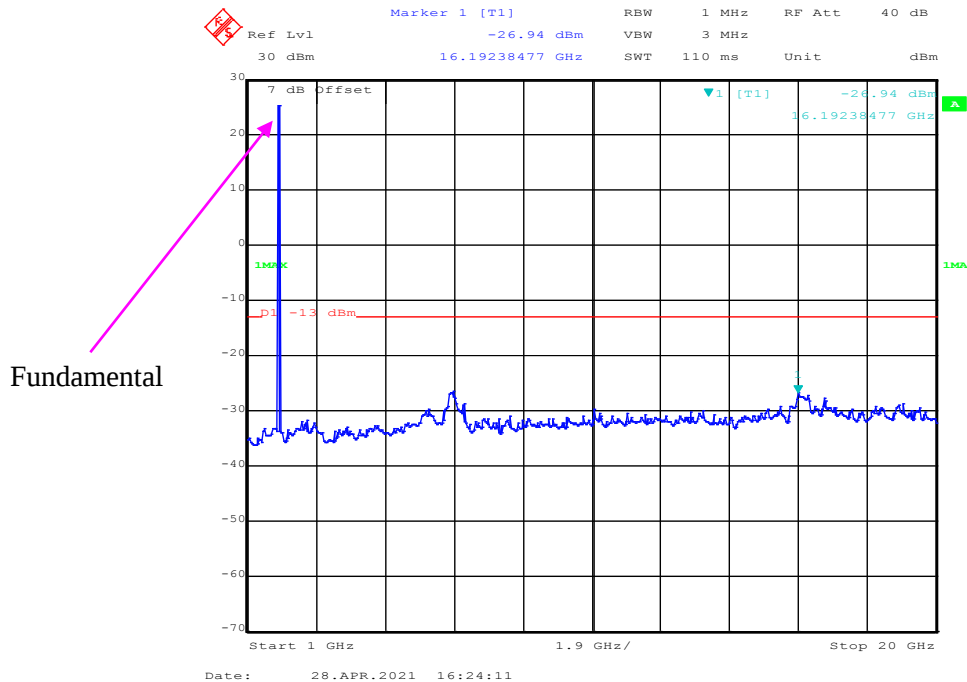
WCDMA Band II:**30 MHz – 1GHz WCDMA (Rel 99) Mode Low Channel****1 GHz – 20 GHz WCDMA (Rel 99) Mode Low Channel**

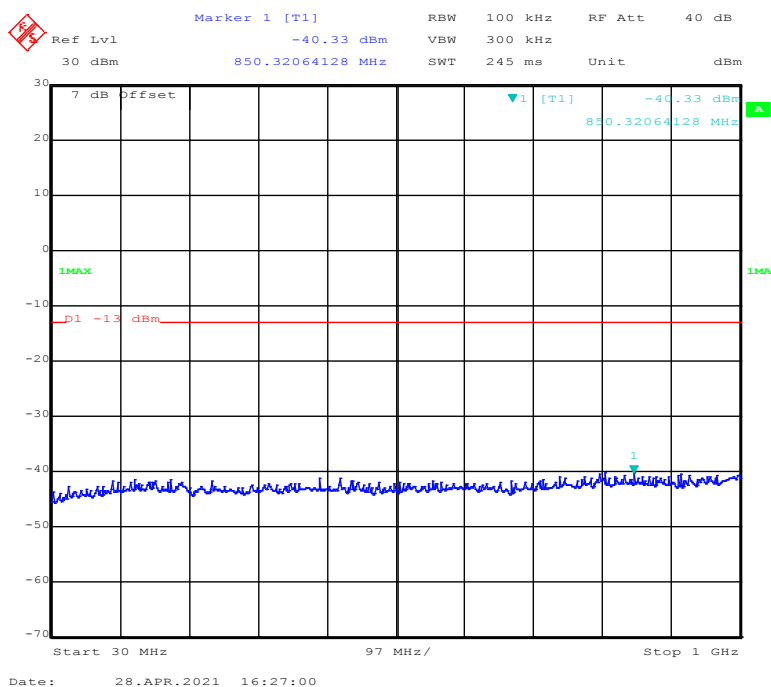
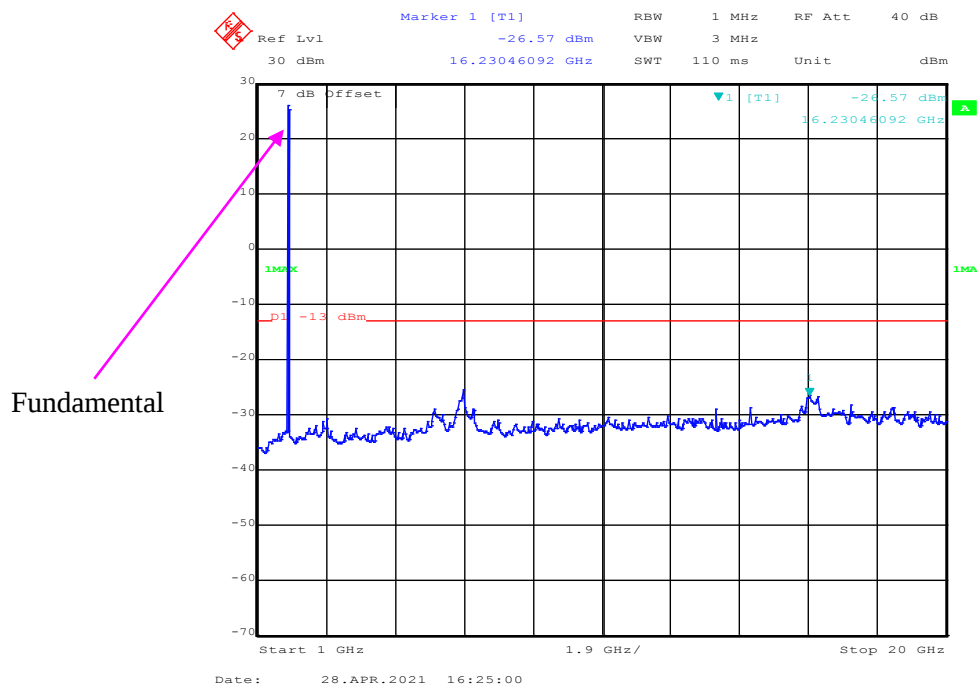
30 MHz – 1GHz WCDMA (HSDPA) Mode Low Channel**1 GHz – 20 GHz WCDMA (HSDPA) Mode Low Channel**

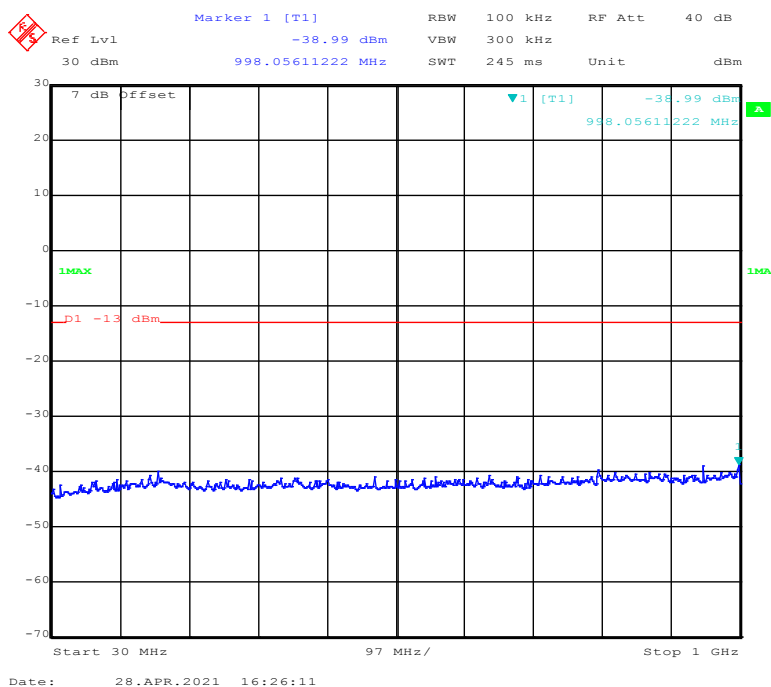
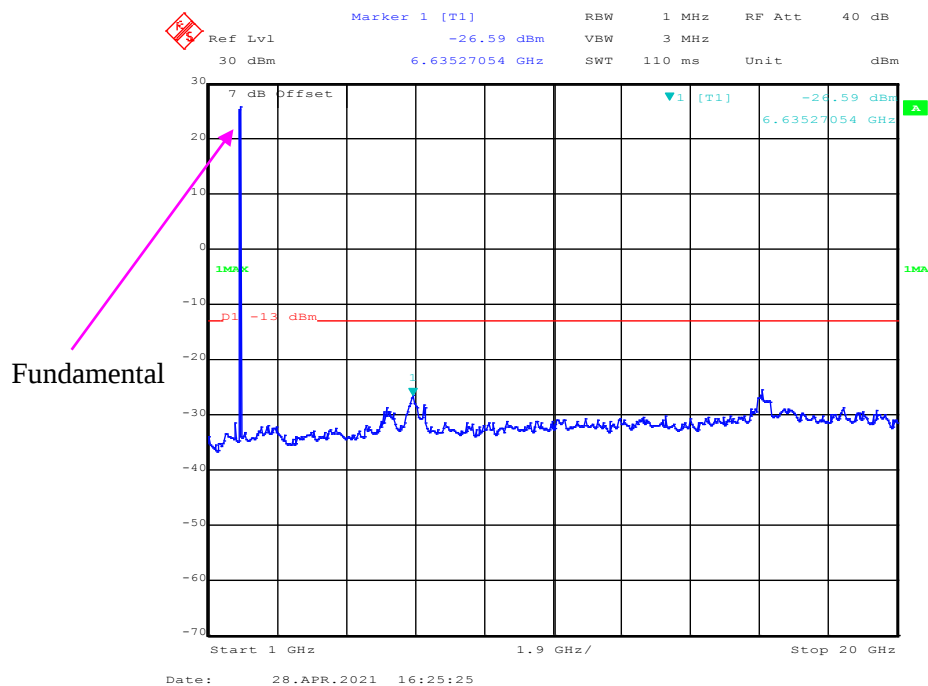
30 MHz – 1GHz WCDMA (HSUPA) Mode Low Channel**1 GHz – 20 GHz WCDMA (HSUPA) Mode Low Channel**

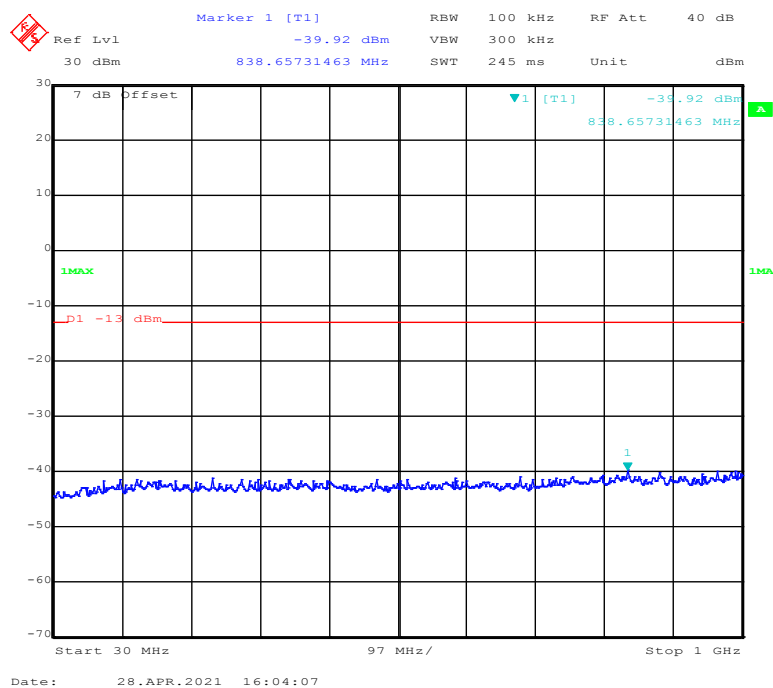
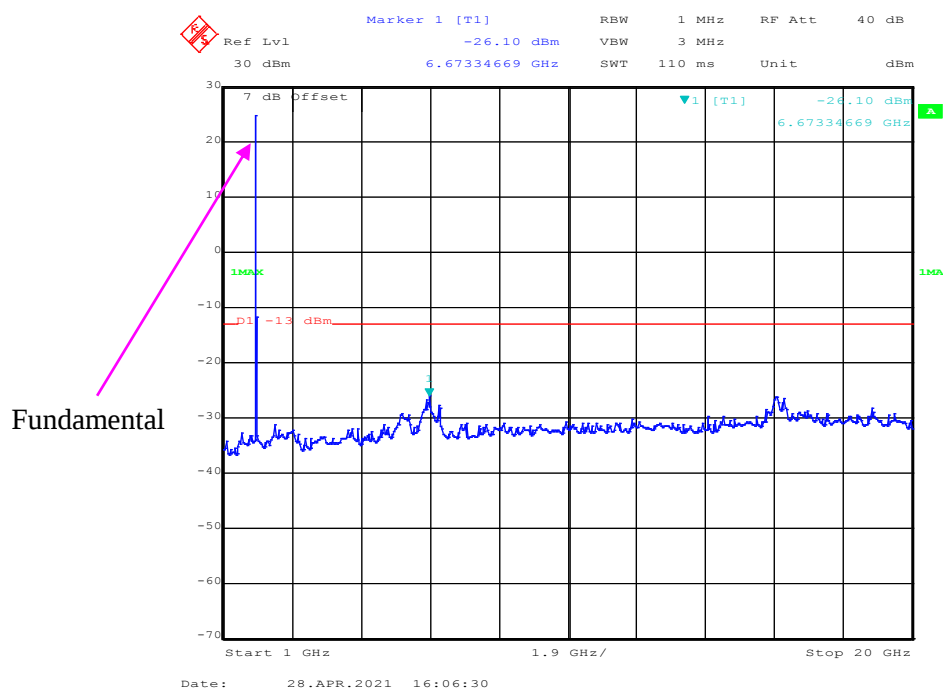
30 MHz – 1GHz WCDMA (HSPA+) Mode Low Channel**1 GHz – 20 GHz WCDMA (HSPA+) Mode Low Channel**

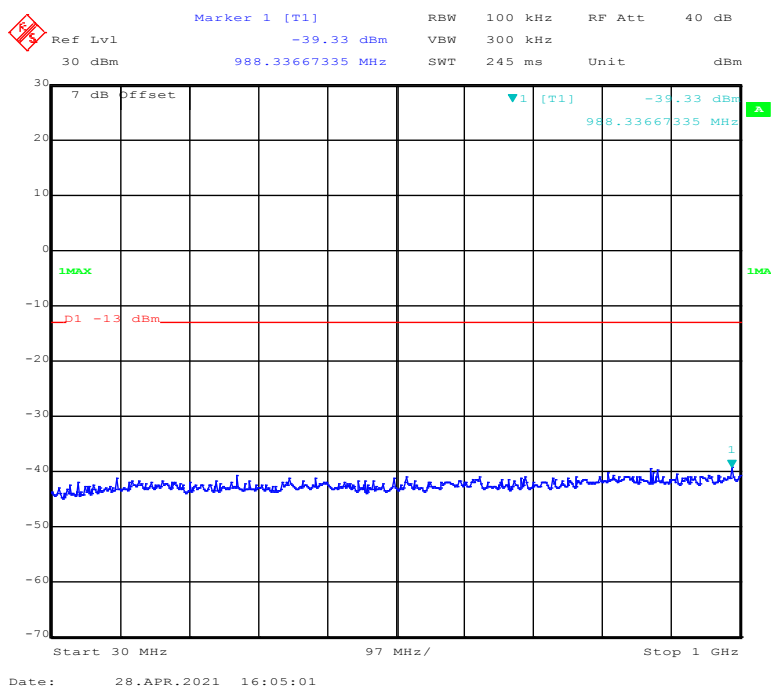
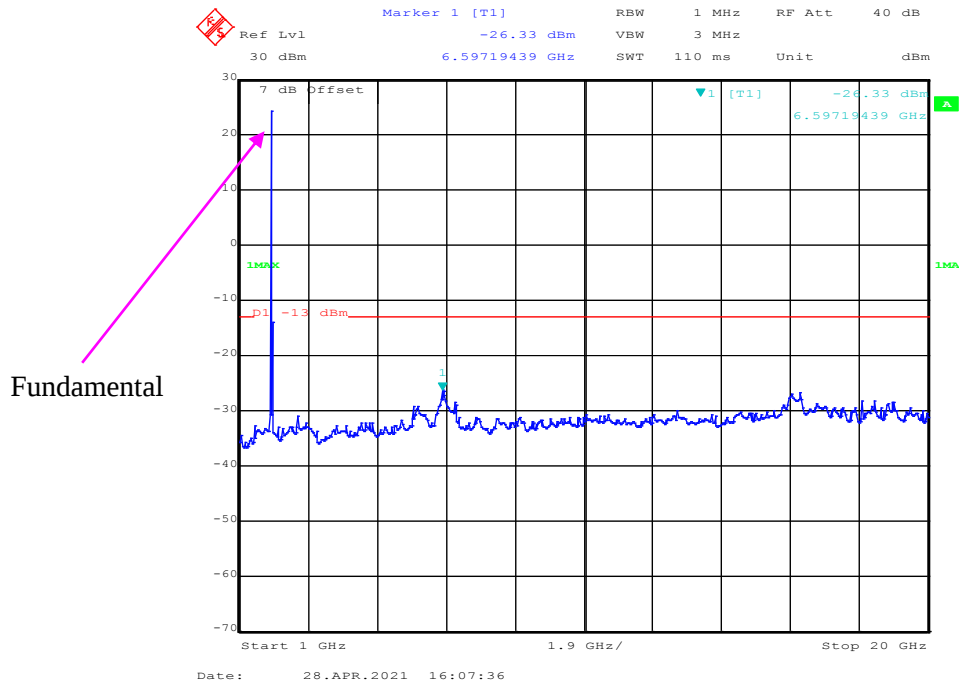
30 MHz – 1GHz WCDMA (Rel 99) Mode Middle Channel**1 GHz – 20 GHz WCDMA (Rel 99) Mode Middle Channel**

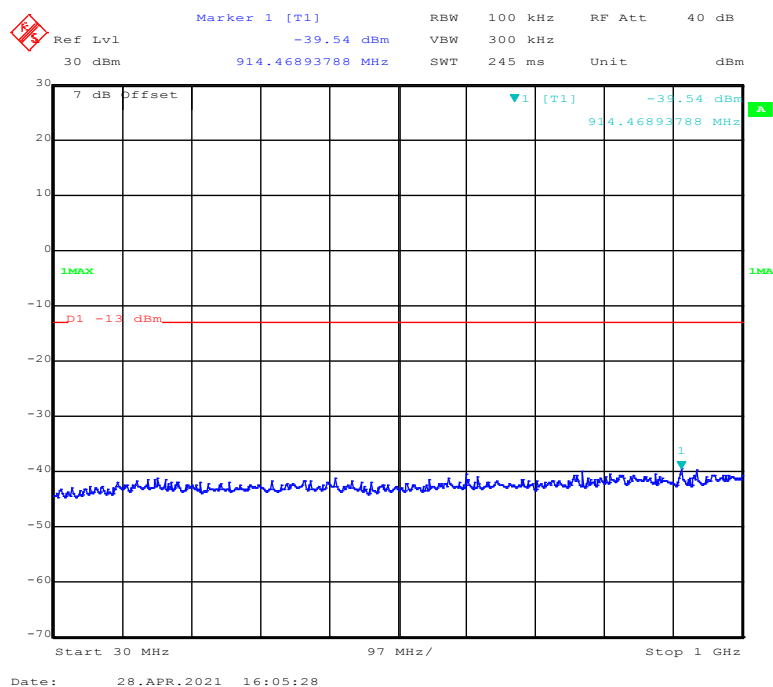
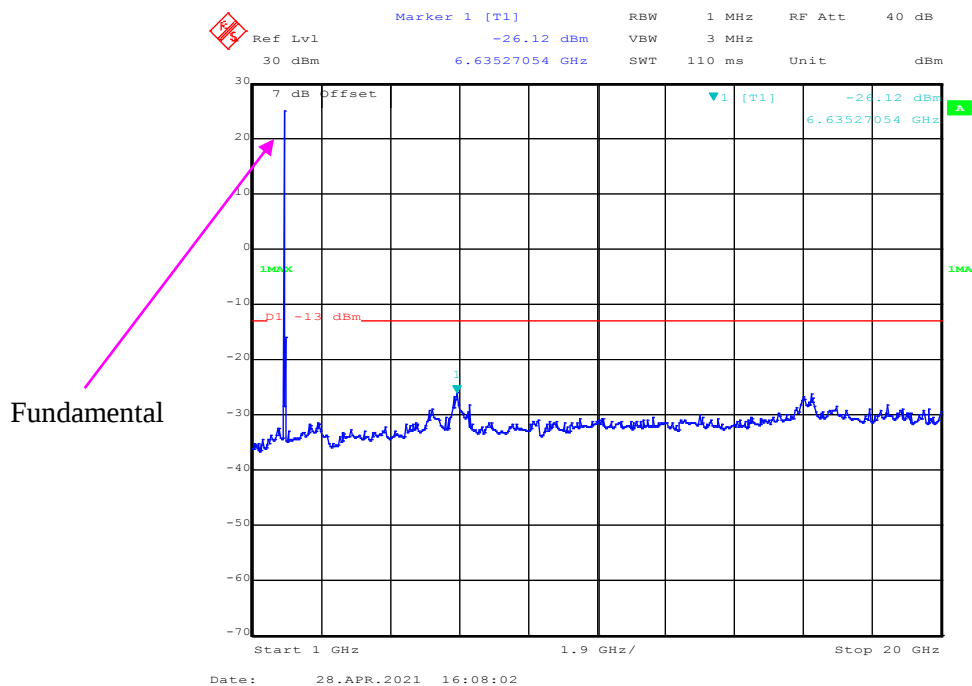
30 MHz – 1GHz WCDMA (HSDPA) Mode Middle Channel**1 GHz – 20 GHz WCDMA (HSDPA) Mode Middle Channel**

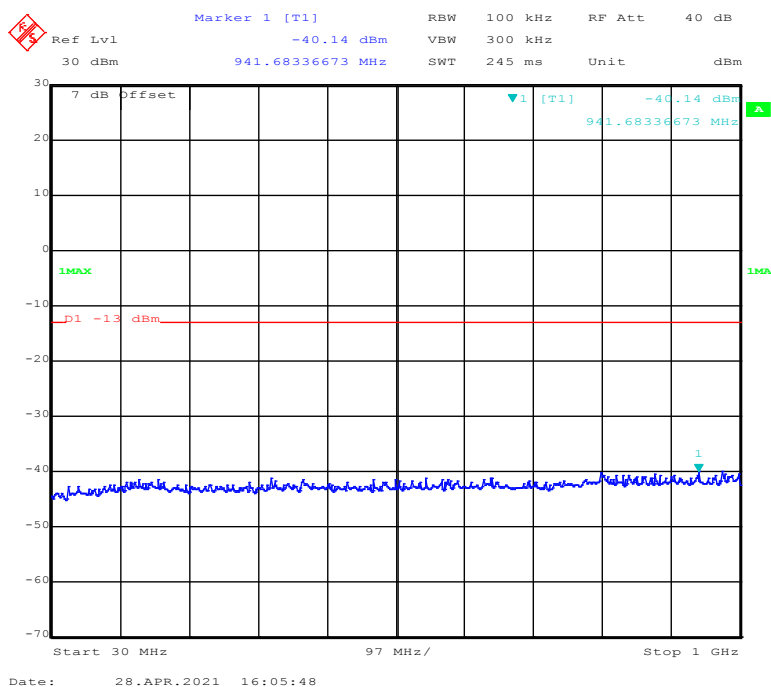
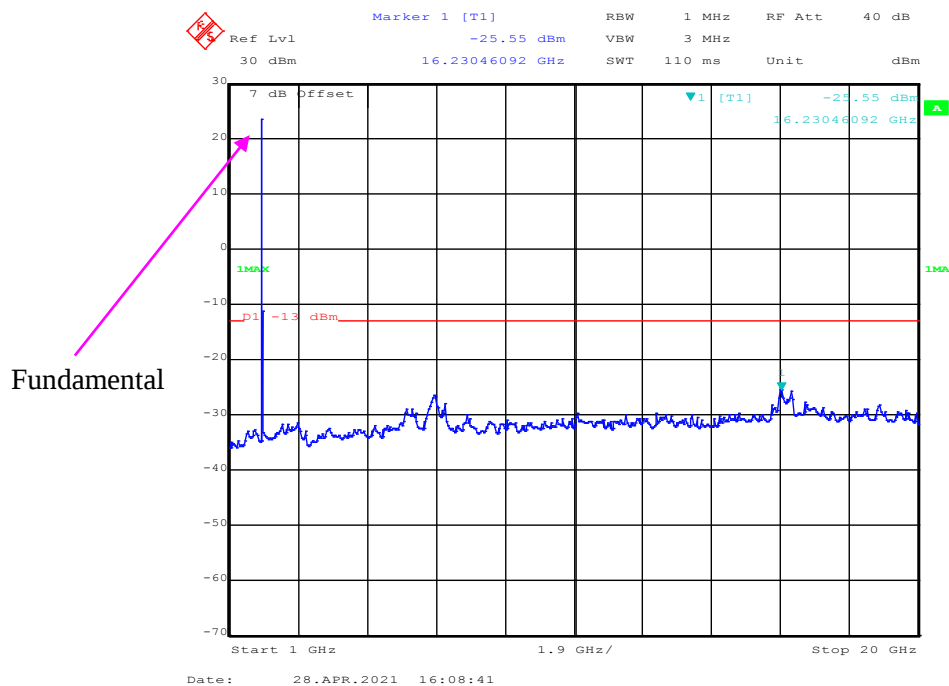
30 MHz – 1GHz WCDMA (HSUPA) Mode Middle Channel**1 GHz – 20 GHz WCDMA (HSUPA) Mode Middle Channel**

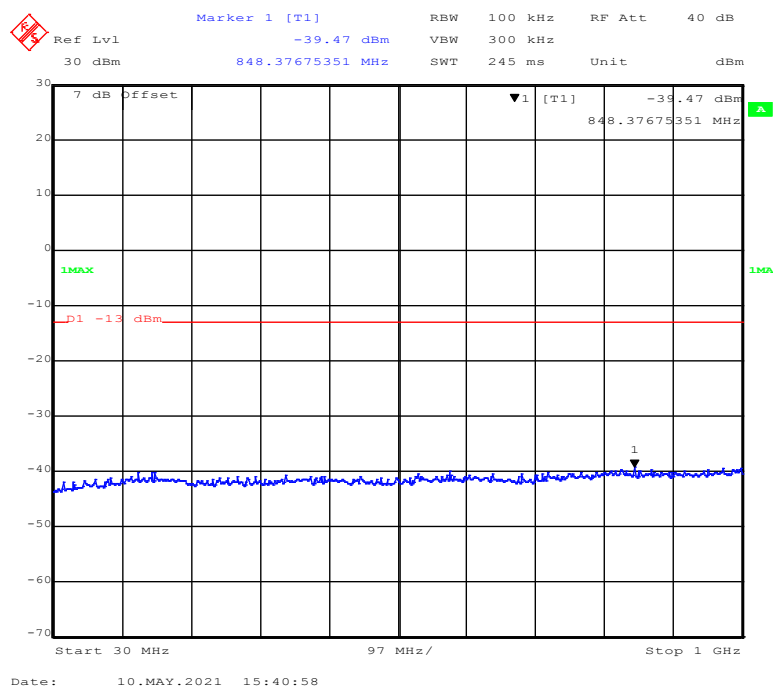
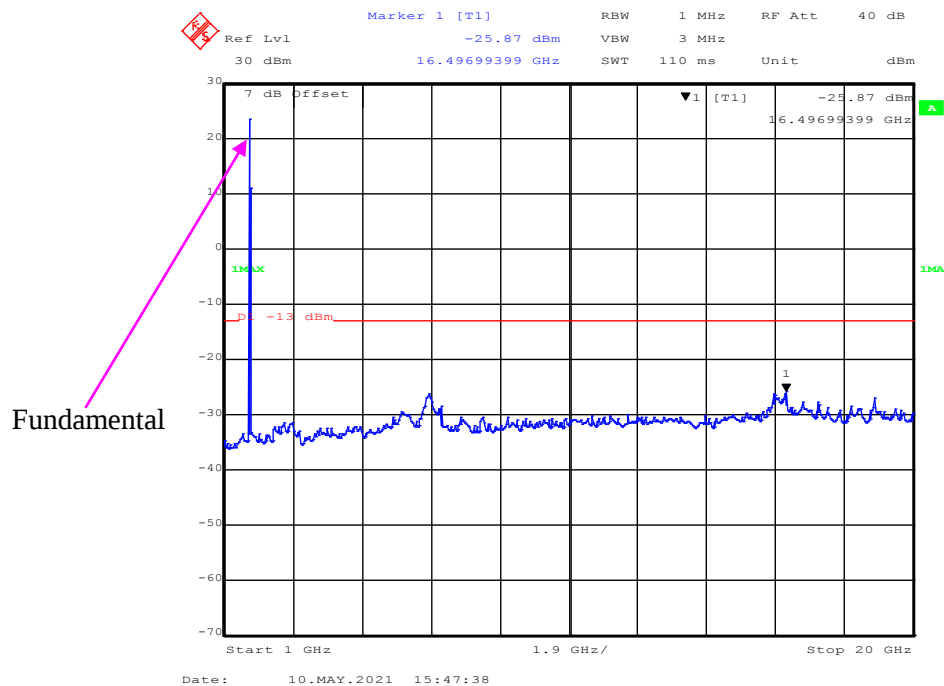
30 MHz – 1GHz WCDMA (HSPA+) Mode Middle Channel**1 GHz – 20 GHz WCDMA (HSPA+) Mode Middle Channel**

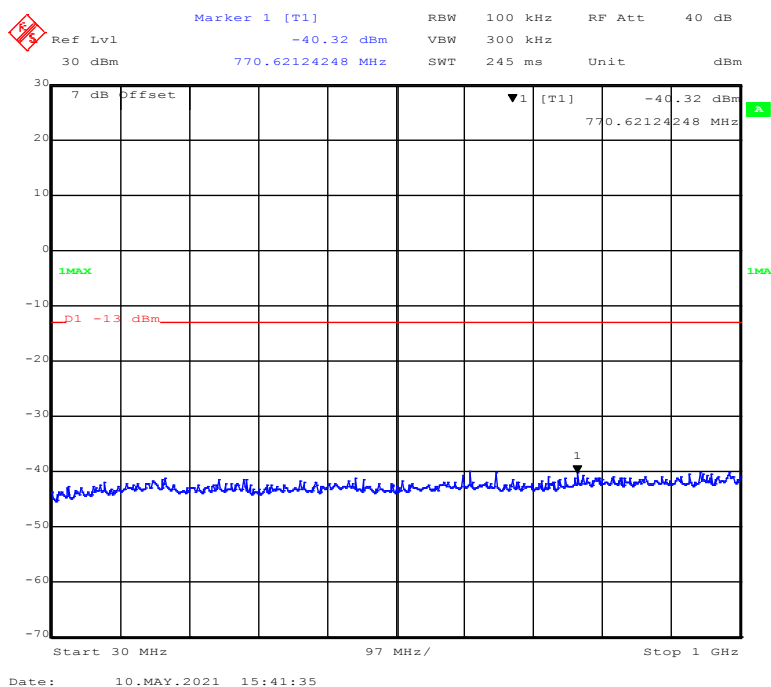
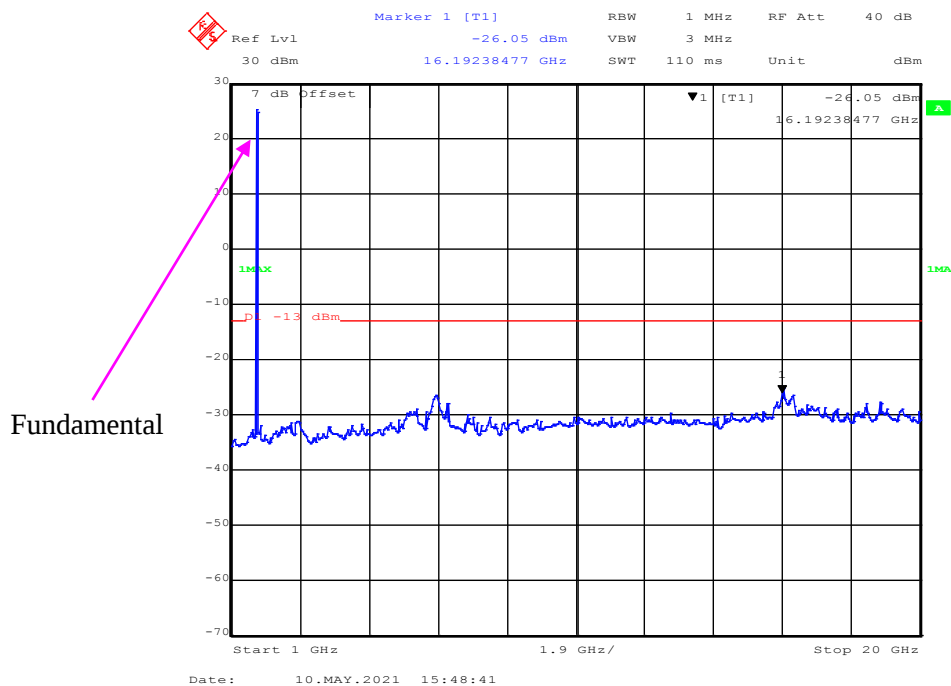
30 MHz – 1GHz WCDMA (Rel 99) Mode High Channel**1 GHz – 20 GHz WCDMA (Rel 99) Mode High Channel**

30 MHz – 1GHz WCDMA (HSDPA) Mode High Channel**1 GHz – 20 GHz WCDMA (HSDPA) Mode High Channel**

30 MHz – 1GHz WCDMA (HSUPA) Mode High Channel**1 GHz – 20 GHz WCDMA (HSUPA) Mode High Channel**

30 MHz – 1GHz WCDMA (HSPA+) Mode High Channel**1 GHz – 20 GHz WCDMA (HSPA+) Mode High Channel**

WCDMA Band IV:**30 MHz – 1GHz WCDMA (Rel 99) Mode, Low channel****1 GHz – 20 GHz WCDMA (Rel 99) Mode, Low channel**

30 MHz – 1GHz WCDMA (HSDPA) Mode, Low channel**1 GHz – 20 GHz WCDMA (HSDPA) Mode, Low channel**

Marker 1 [T1] RBW 100 kHz RF Att 40 dB
 Ref Lvl -40.70 dBm VBW 300 kHz
 30 dBm SWT 245 ms Unit dBm

7 dB Offset ▼1 [T1] -40.70 dBm
 918.35671343 MHz A

1MAX 1MAX

-13 dBm 1

Start 30 MHz 97 MHz/ Stop 1 GHz

Date: 10.MAY.2021 15:41:56

Marker 1 [T1] -26.15 dBm

RBW 1 MHz RF Att 40 dB

Ref Lvl 30 dBm VBW 3 MHz

30 dBm 16.19238477 GHz SWT 110 ms Unit dBm

7 dB Offset

▼1 [T1] -26.15 dBm

16.19238477 GHz

1MAX

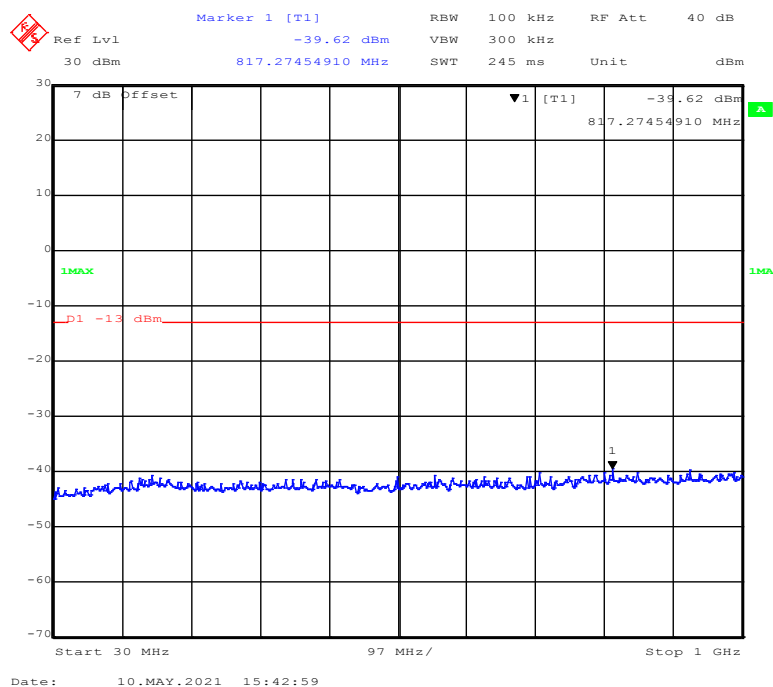
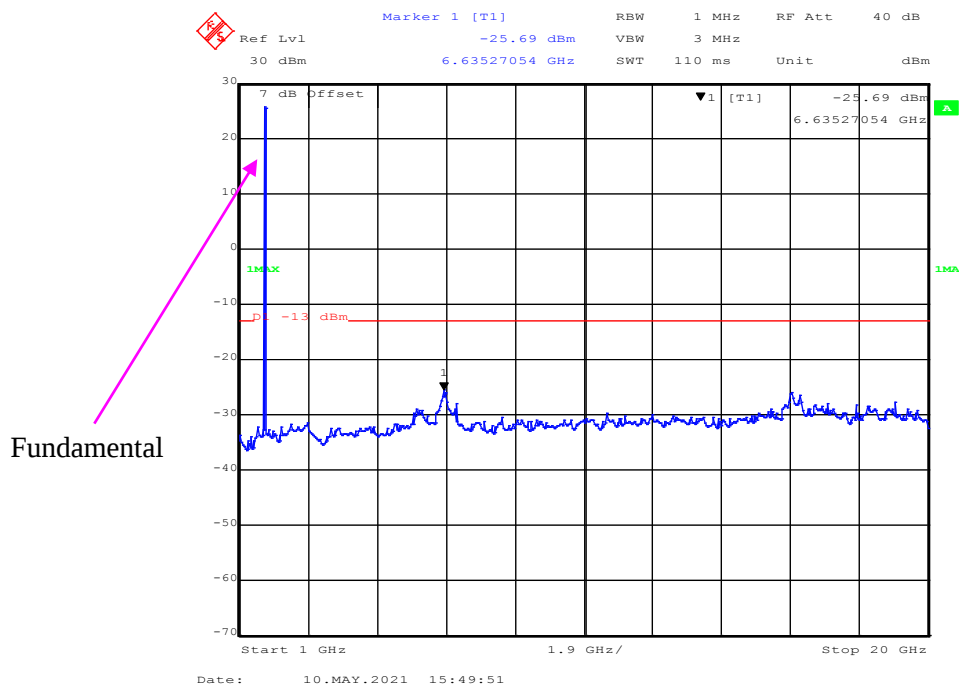
1MAX

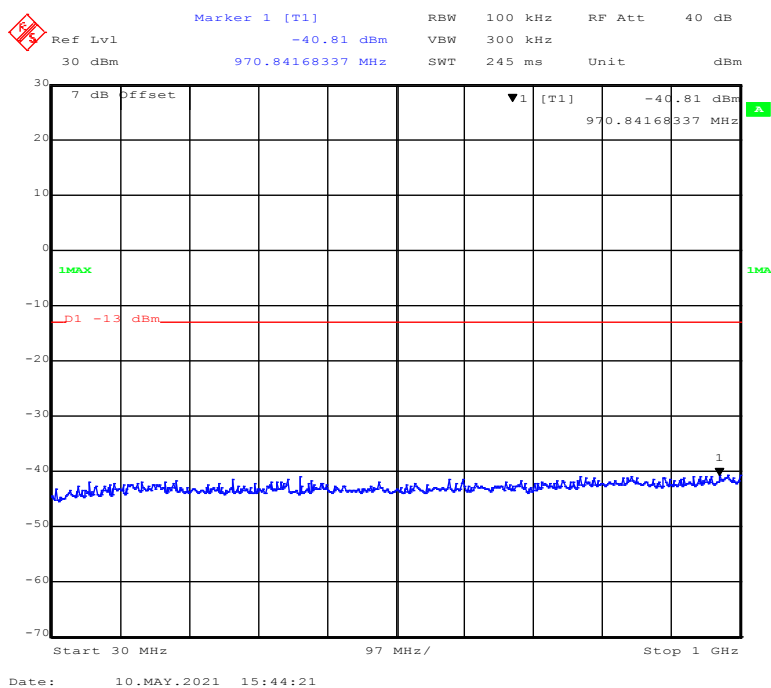
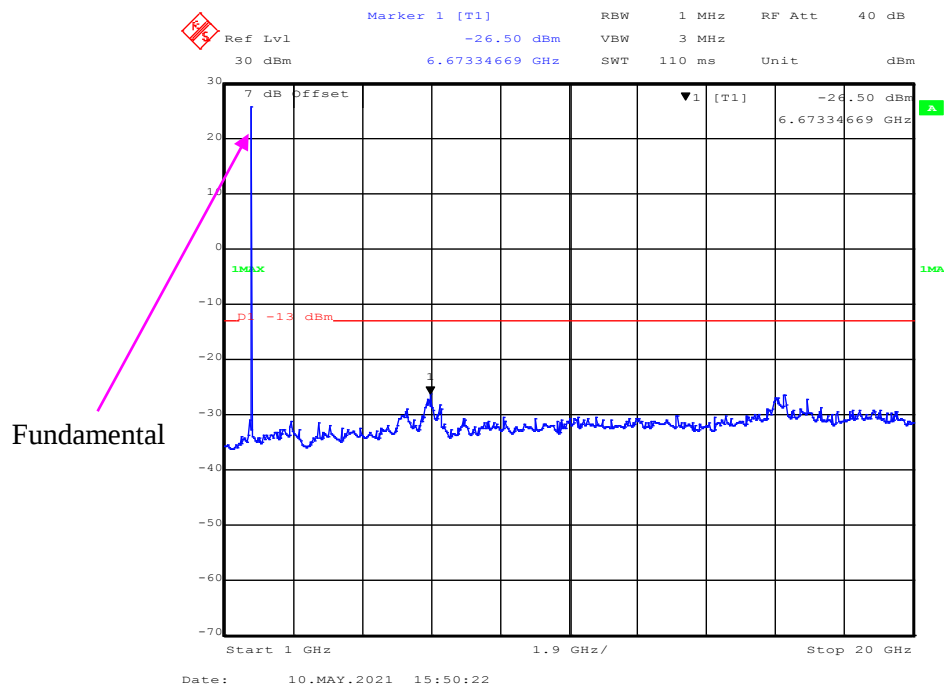
10 -13 dBm

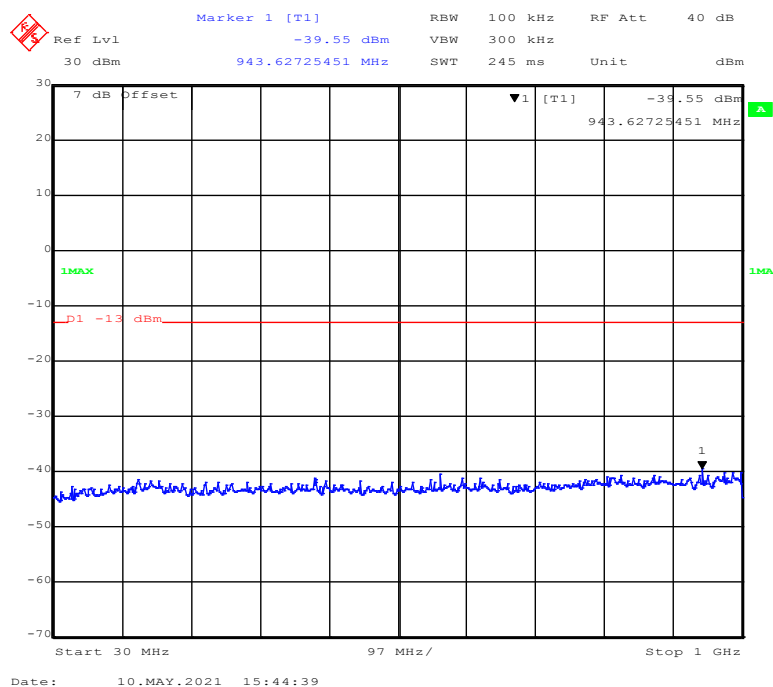
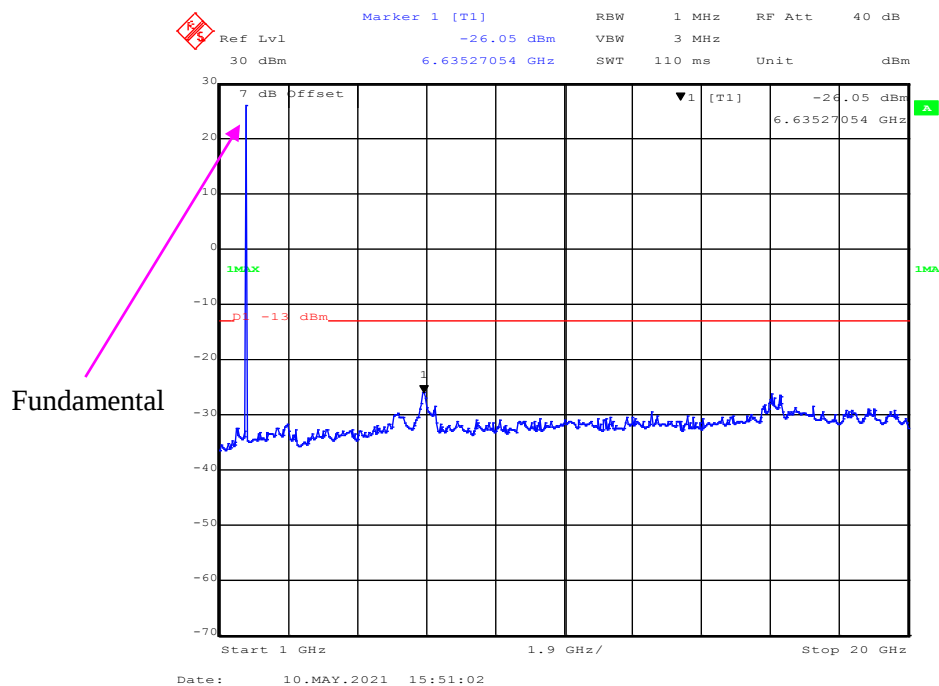
Fundamental

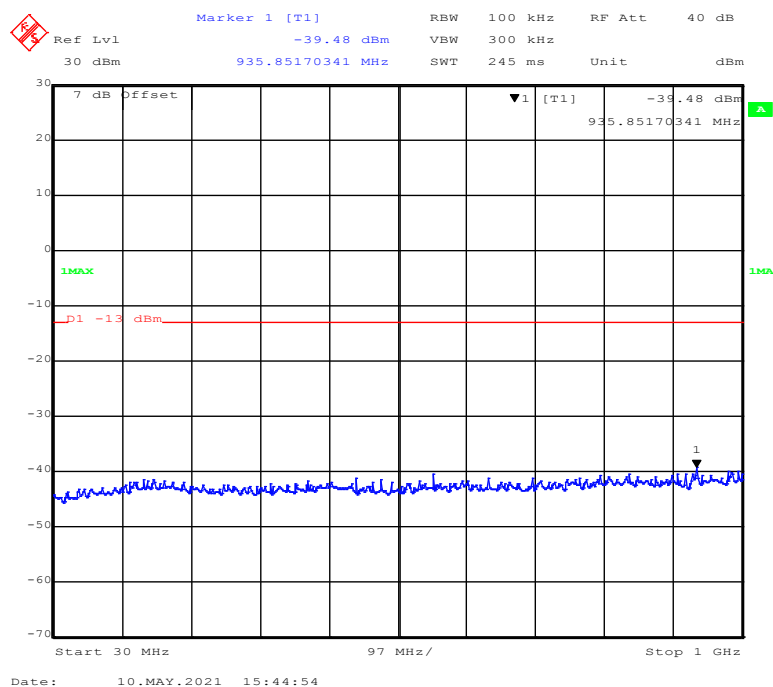
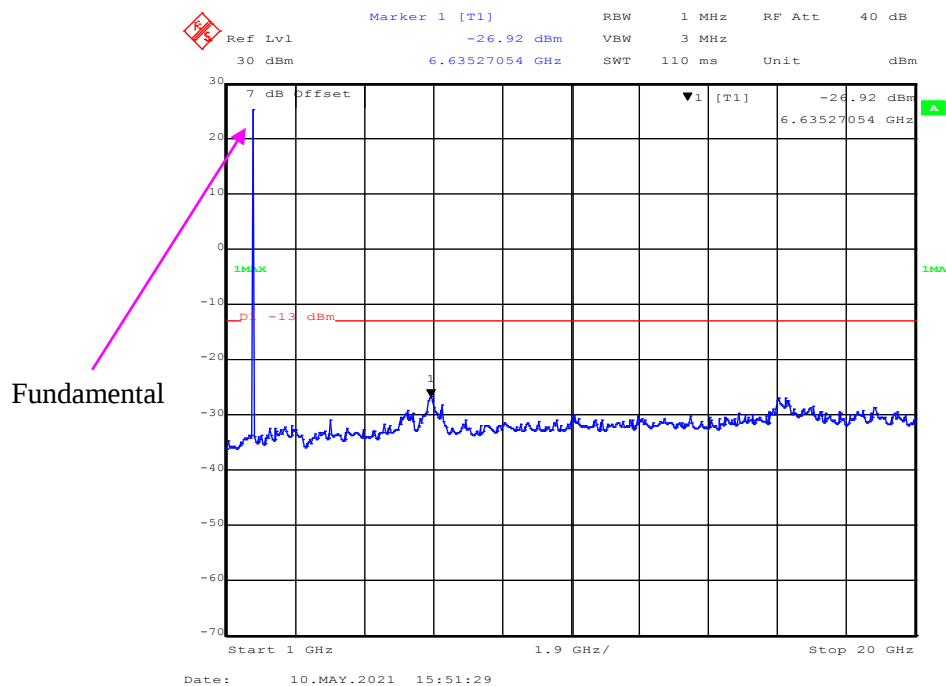
Start 1 GHz 1.9 GHz/ Stop 20 GHz

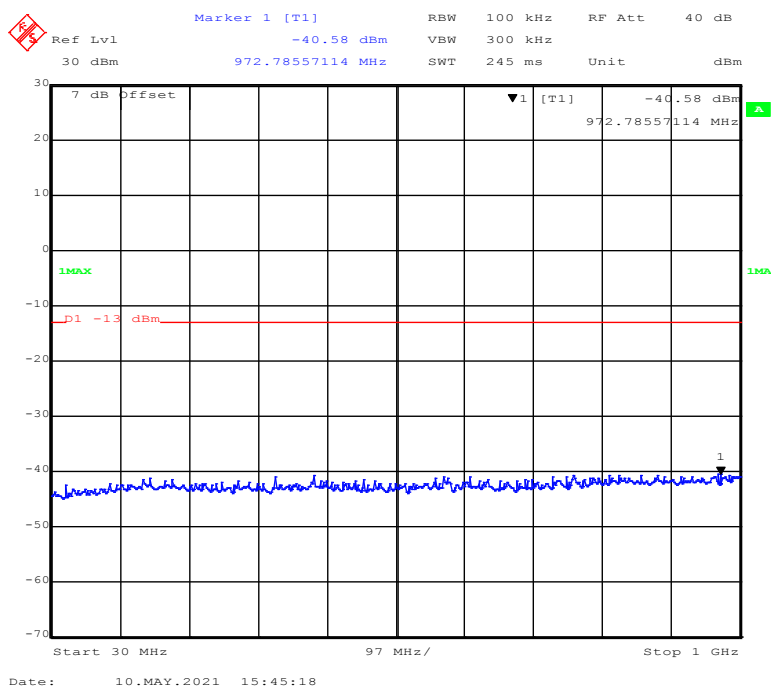
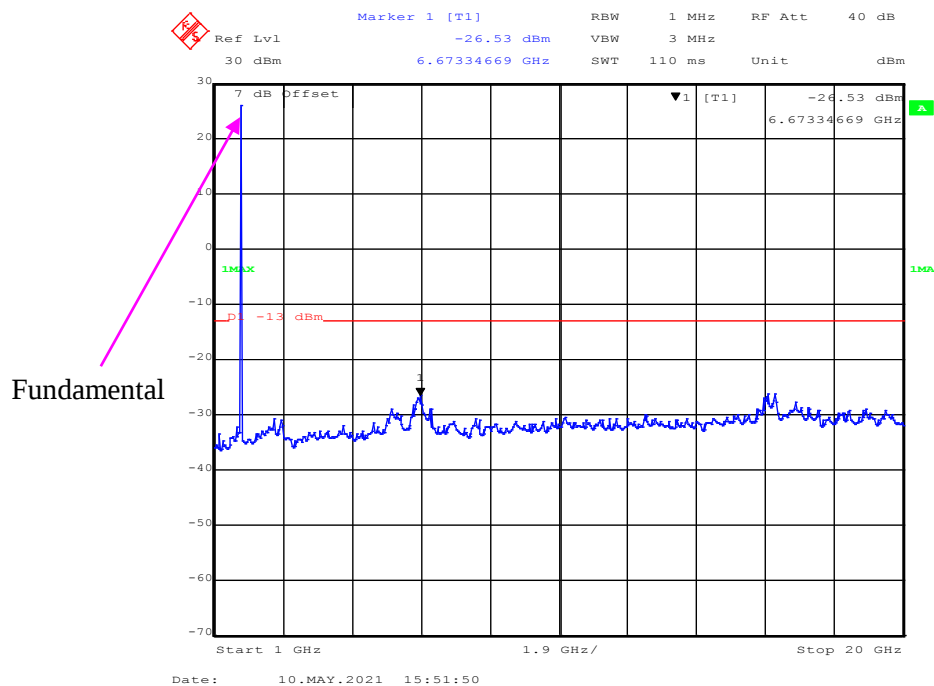
Date: 10.MAY.2021 15:49:24

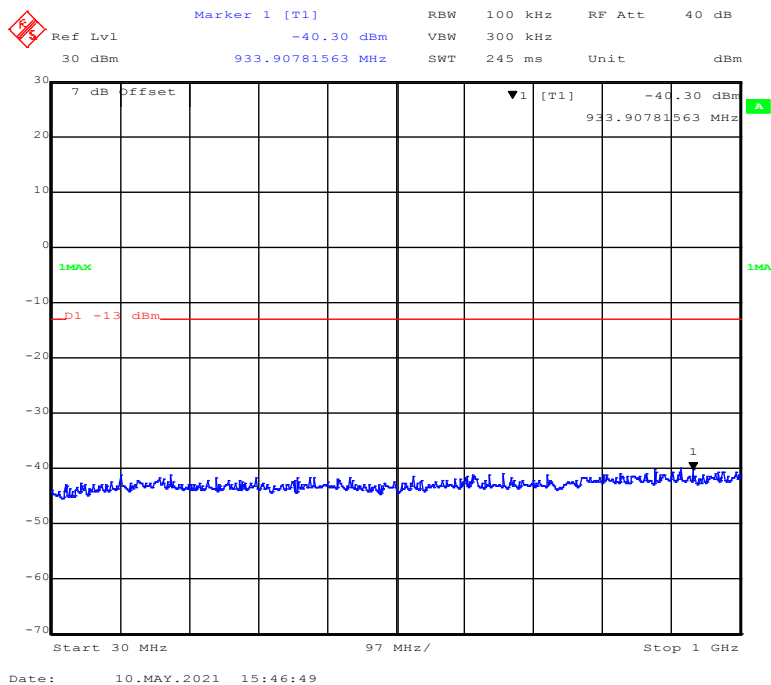
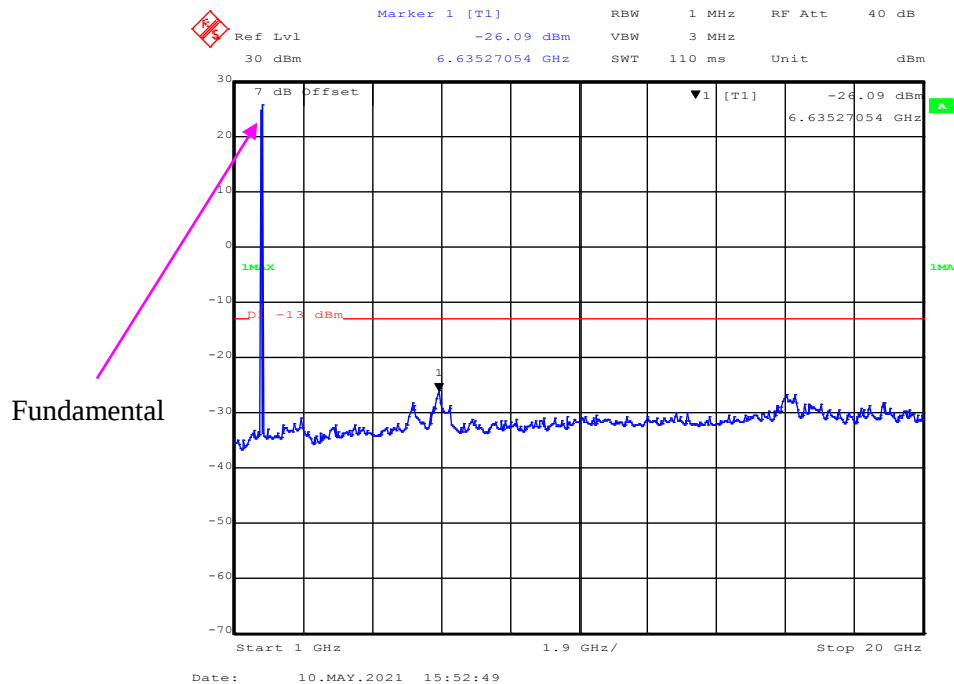
30 MHz – 1GHz WCDMA (HSPA+) Mode, Low channel**1 GHz – 20 GHz WCDMA (HSPA+) Mode, Low channel**

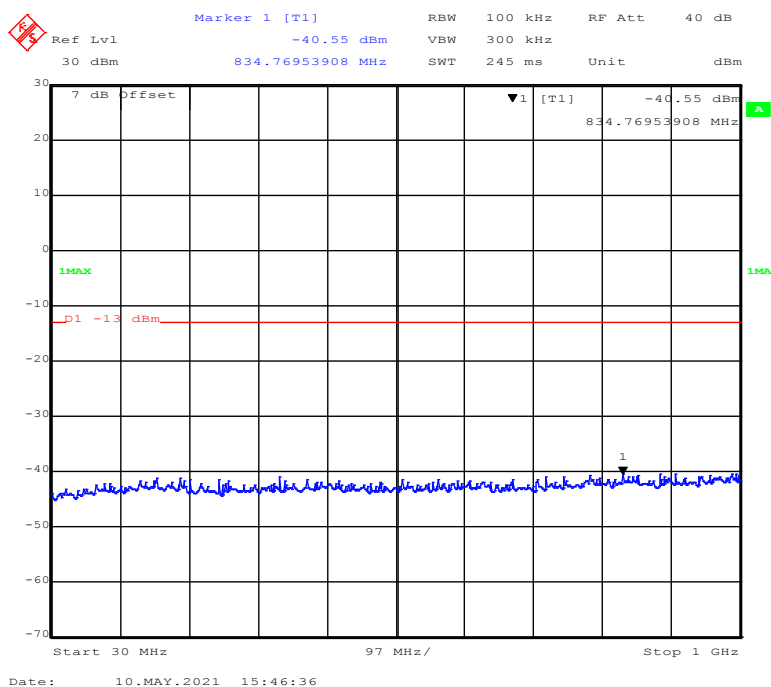
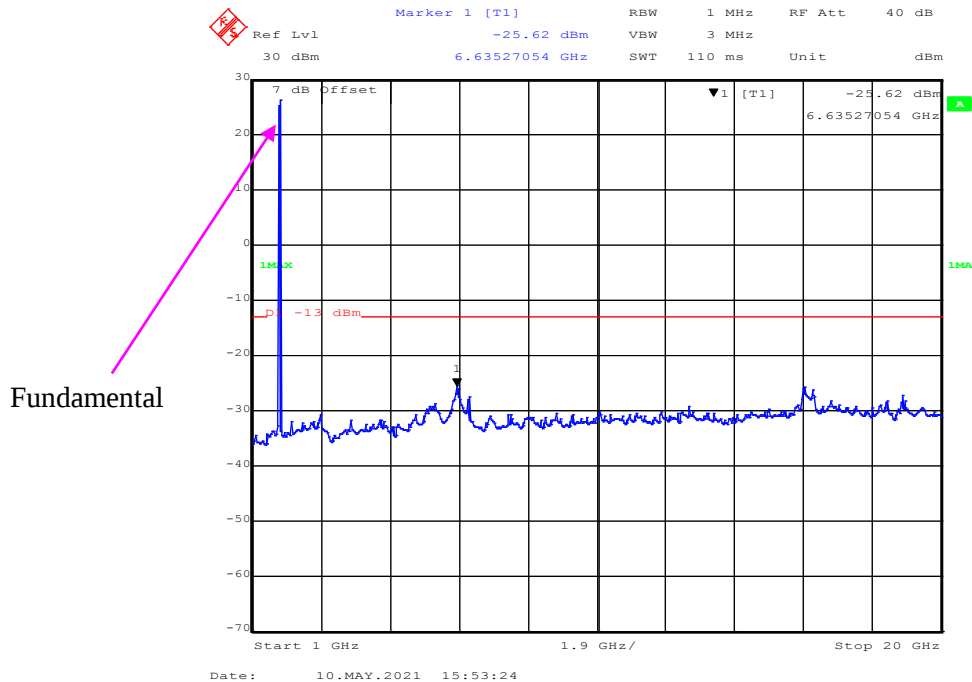
30 MHz – 1GHz WCDMA (Rel 99) Mode, Middle channel**1 GHz – 20 GHz WCDMA (Rel 99) Mode, Middle channel**

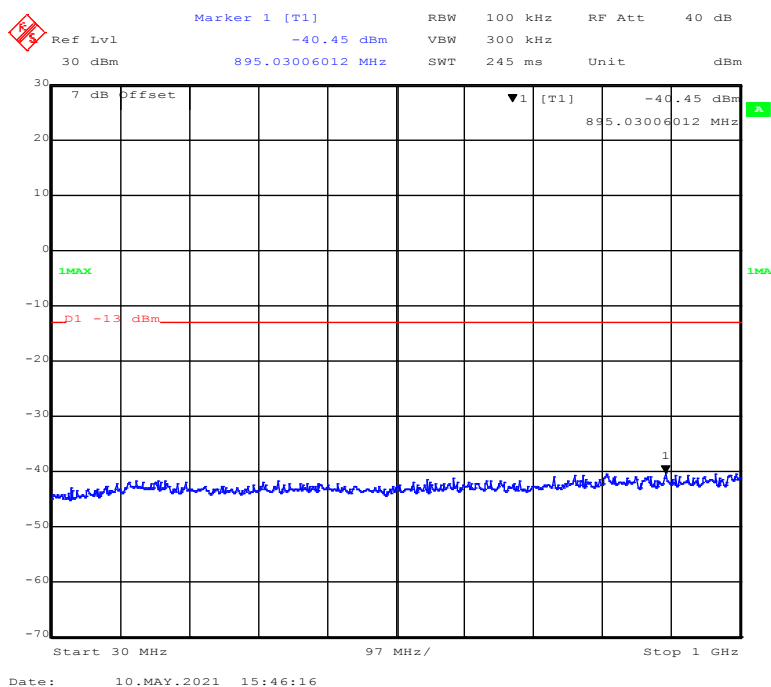
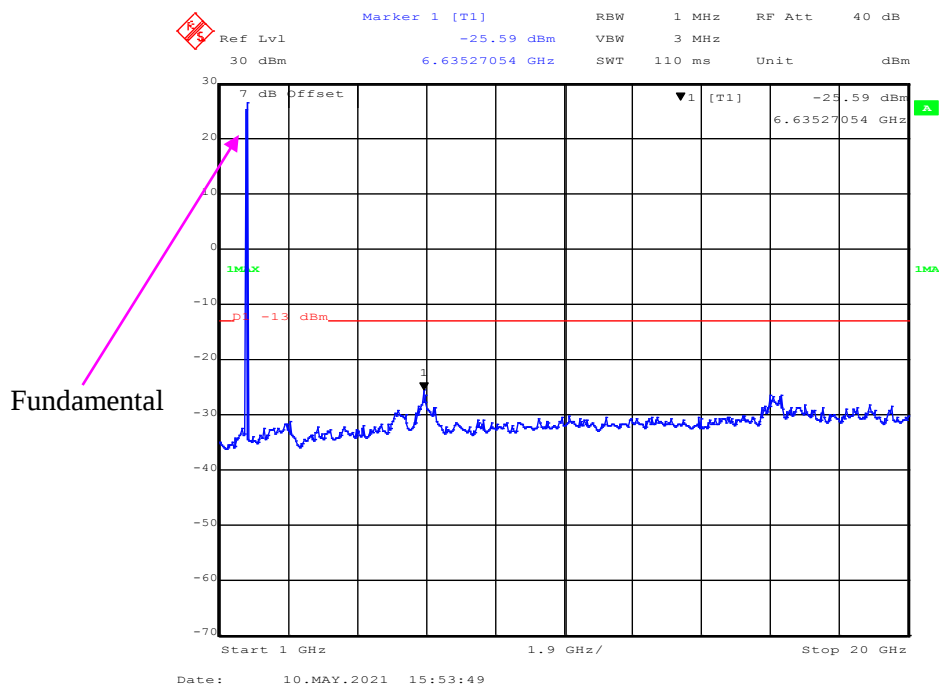
30 MHz – 1GHz WCDMA (HSDPA) Mode, Middle channel**1 GHz – 20 GHz WCDMA (HSDPA) Mode, Middle channel**

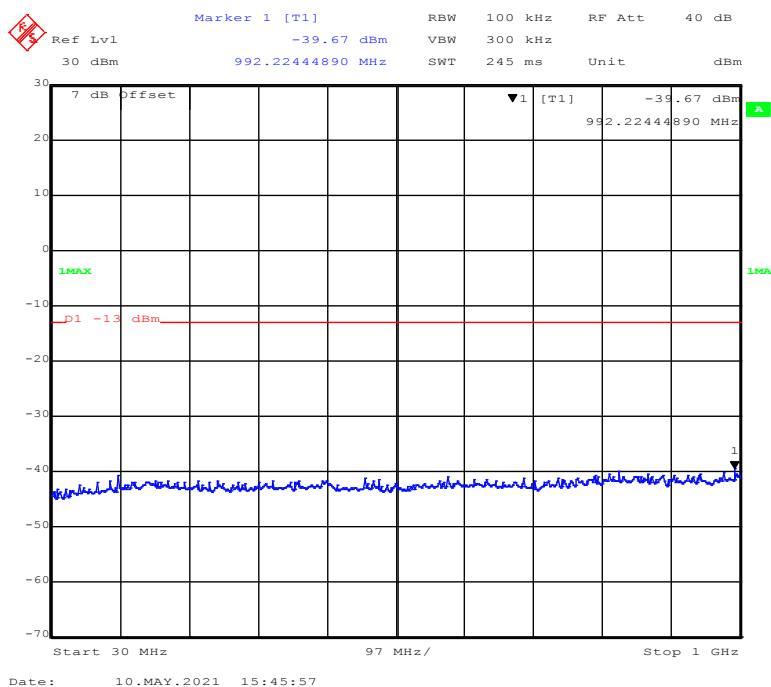
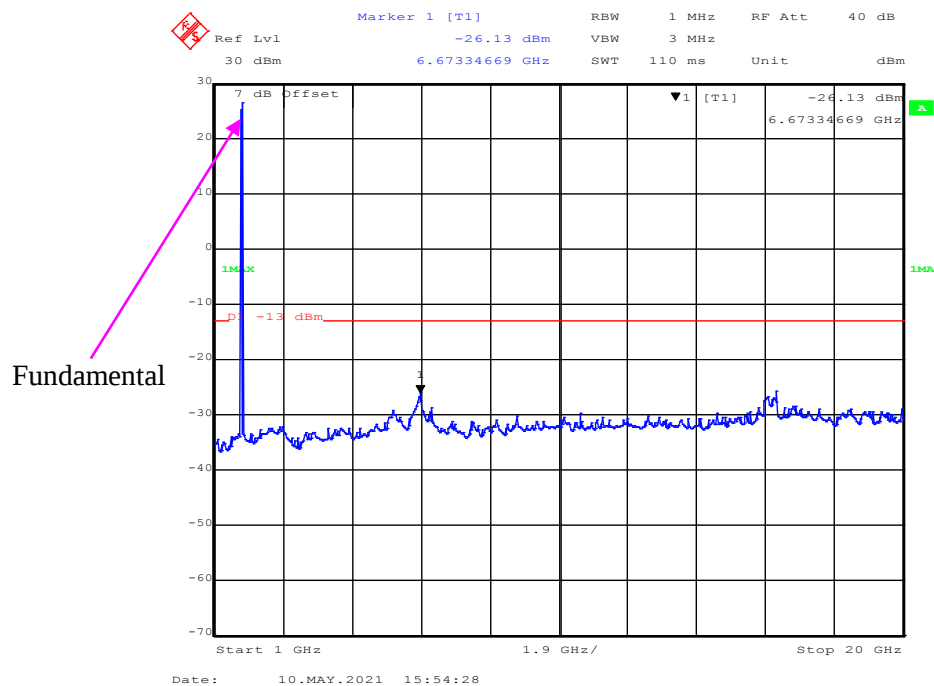
30 MHz – 1GHz WCDMA (HSUPA) Mode, Middle channel**1 GHz – 20 GHz WCDMA (HSUPA) Mode, Middle channel**

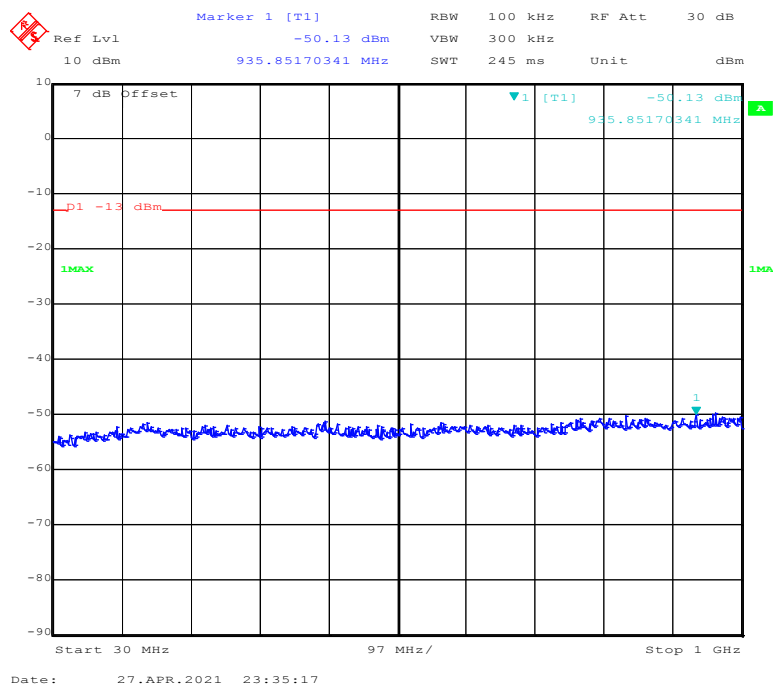
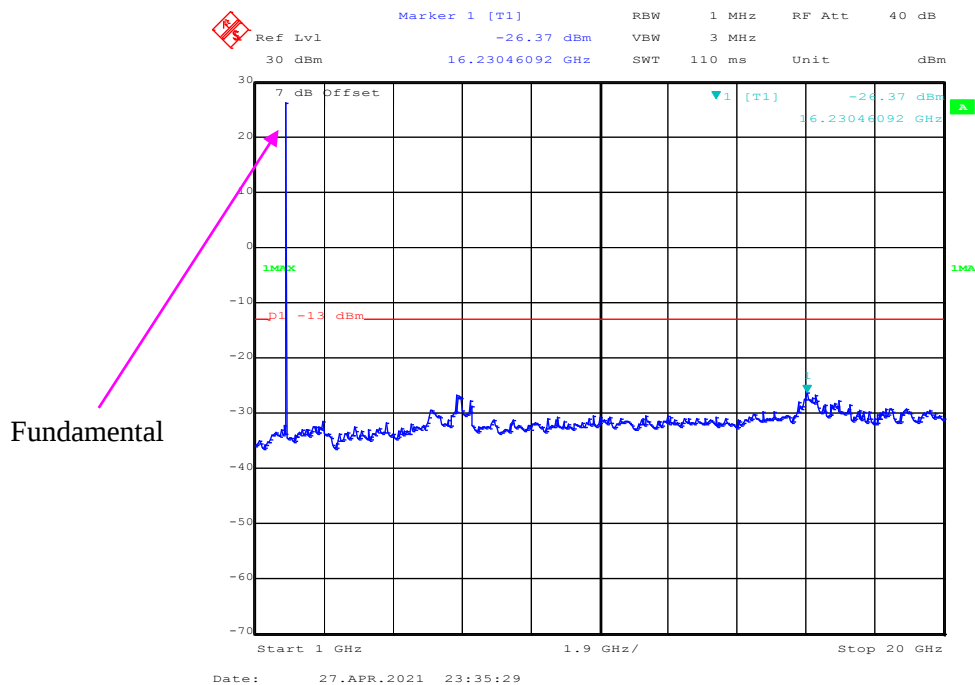
30 MHz – 1GHz WCDMA (HSPA+) Mode, Middle channel**1 GHz – 20 GHz WCDMA (HSPA+) Mode, Middle channel**

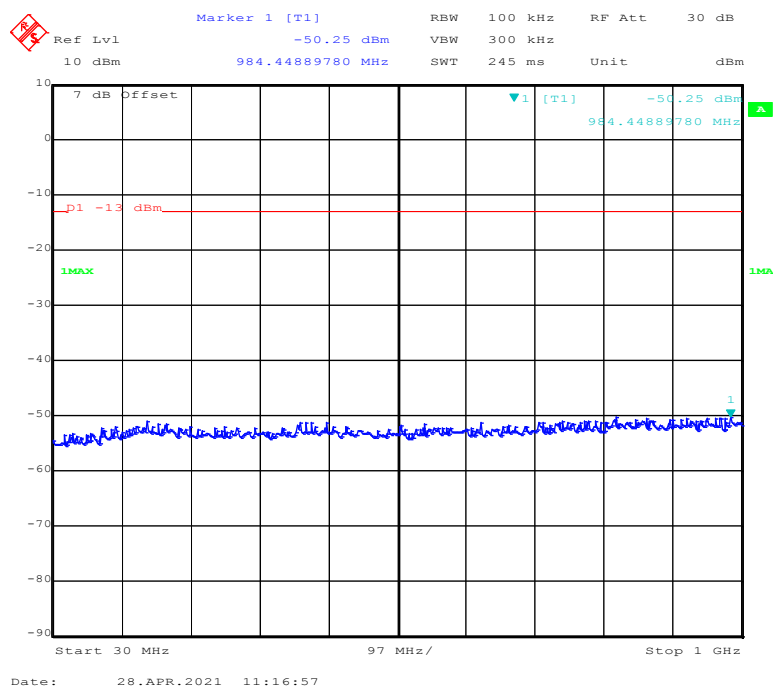
30 MHz – 1GHz WCDMA (Rel 99) Mode, High channel**1 GHz – 20 GHz WCDMA (Rel 99) Mode, High channel**

30 MHz – 1GHz WCDMA (HSDPA) Mode, High channel**1 GHz – 20 GHz WCDMA (HSDPA) Mode, High channel**

30 MHz – 1GHz WCDMA (HSUPA) Mode, High channel**1 GHz – 20 GHz WCDMA (HSUPA) Mode, High channel**

30 MHz – 1GHz WCDMA (HSPA+) Mode, High channel**1 GHz – 20 GHz WCDMA (HSPA+) Mode, High channel**

LTE Band 2:**30 MHz – 1 GHz (1.4 MHz, QPSK, Low Channel)****1 GHz – 20 GHz (1.4 MHz, QPSK, Low Channel)**

30 MHz – 1 GHz (1.4 MHz, 16-QAM, Low Channel)**1 GHz – 20 GHz (1.4 MHz, 16-QAM, Low Channel)**