

Lower Band Edge Measurement Results

Channel Frequency (MHz)	Nominal Channel BW (MHz)	EARFCN	Resource Blocks	RB Offset	Modulation	Band Edge Emission (dBm)	Limit (dBm)	Margin (dB)
1850.7	1.4	18607	1	0	QPSK	-25.69	-13.00	12.7
1850.7	1.4	18607	1	0	16QAM	-27.14		14.1
1850.7	1.4	18607	1	0	64QAM	-26.17		13.2
1850.7	1.4	18607	6	0	QPSK	-30.64		17.6
1850.7	1.4	18607	6	0	16QAM	-31.65		18.7
1850.7	1.4	18607	6	0	64QAM	-33.66		20.7
1851.5	3	18615	15	0	QPSK	-32.23		19.2
1851.5	3	18615	15	0	16QAM	-32.83		19.8
1851.5	3	18615	15	0	64QAM	-35.54		22.5
1852.5	5	18625	25	0	QPSK	-28.25		15.3
1852.5	5	18625	25	0	16QAM	-29.04		16.0
1852.5	5	18625	25	0	64QAM	-30.78		17.8
1855	10	18650	50	0	QPSK	-34.27		21.3
1855	10	18650	50	0	16QAM	-36.16		23.2
1855	10	18650	50	0	64QAM	-36.85		23.9
1857.5	15	18675	75	0	QPSK	-29.57		16.6
1857.5	15	18675	75	0	16QAM	-31.22		18.2
1857.5	15	18675	75	0	64QAM	-31.92		18.9
1860	20	18700	100	0	QPSK	-32.34		19.3
1860	20	18700	100	0	16QAM	-33.60		20.6
1860	20	18700	100	0	64QAM	-33.50	20.5	
								Complies

Margin = Limit - Band Edge Emission

Lower Band Edge (LBE) Emissions LTE Band 2

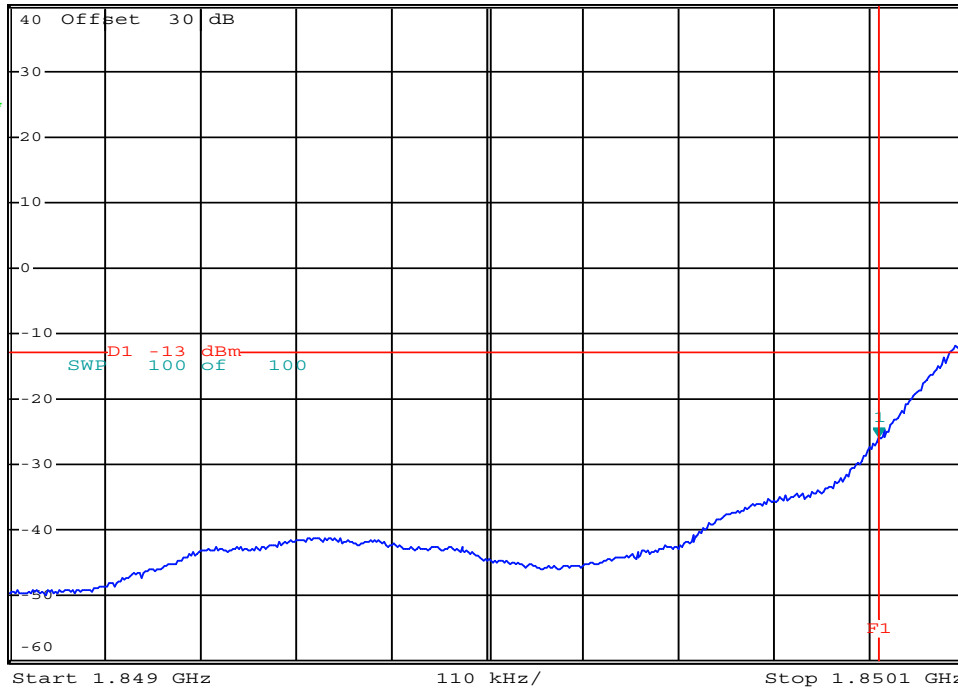


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -25.69 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 14:17:47

Channel Frequency (MHz): **1850.7**

Channel Bandwidth (MHz): **1.4**

EARFCN: **18607**

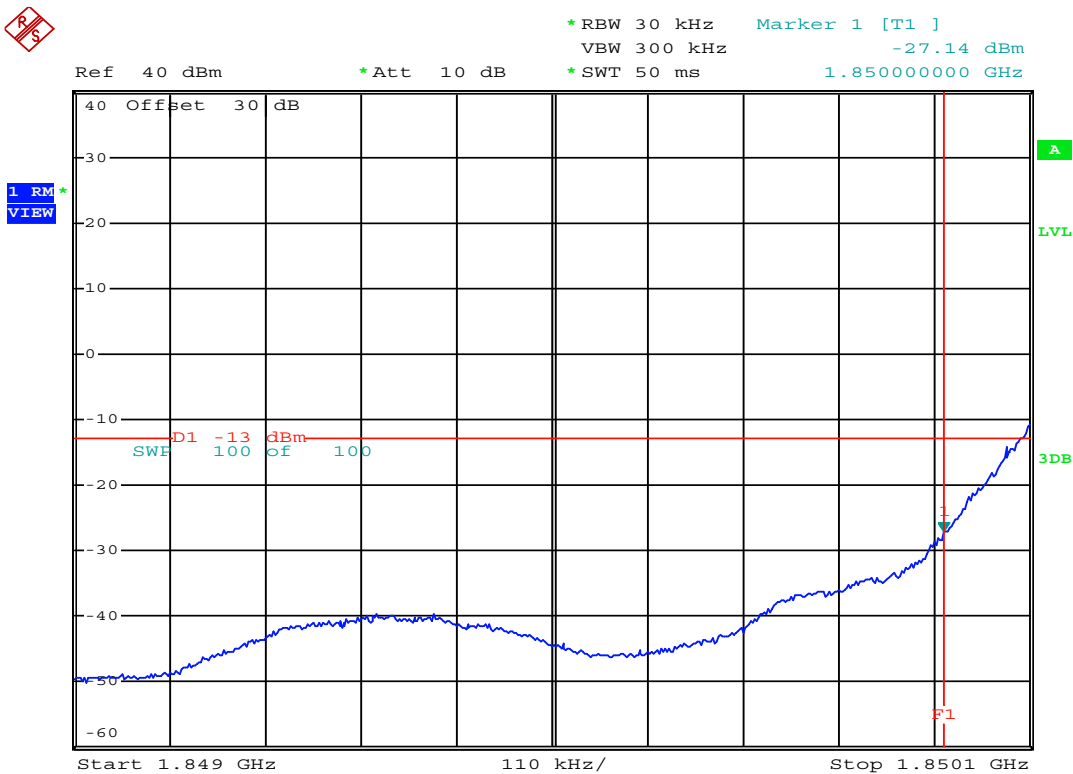
Resource Blocks (RB): **1**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-25.69**

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:19:53

Channel Frequency (MHz): 1850.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -27.14
EARFCN: 18607	Resource Blocks (RB): 1	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:20:53

Channel Frequency (MHz): **1850.7**

Channel Bandwidth (MHz): **1.4**

EARFCN: **18607**

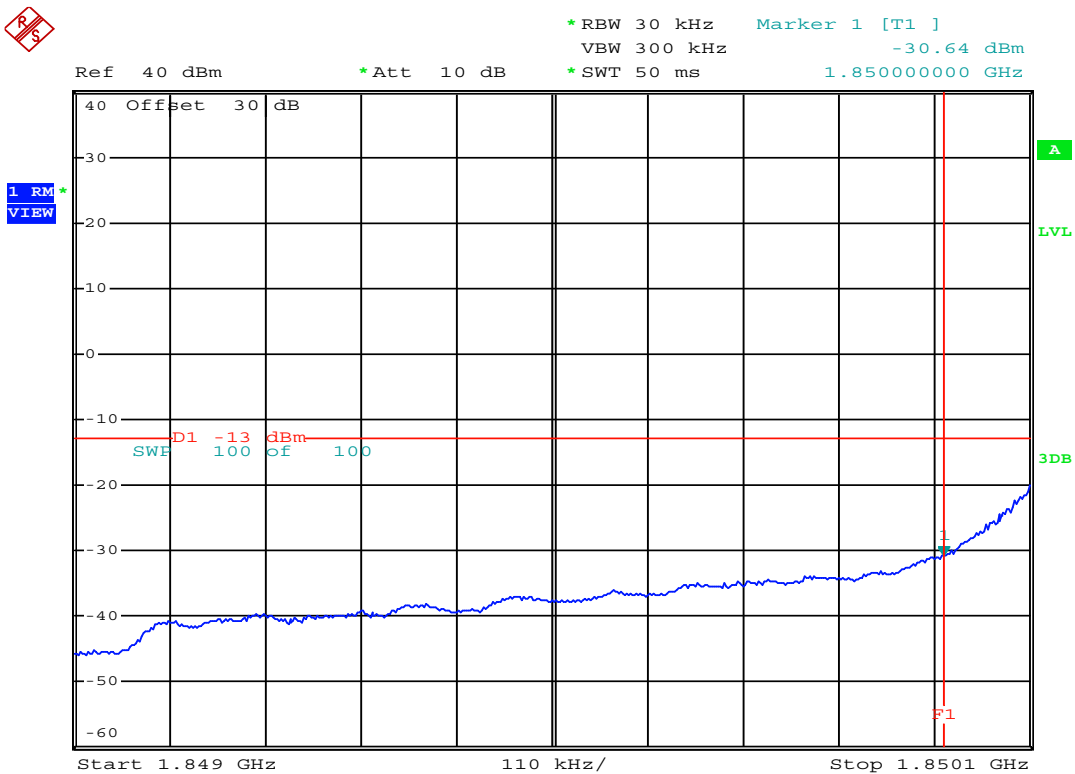
Resource Blocks (RB): **1**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-26.17**

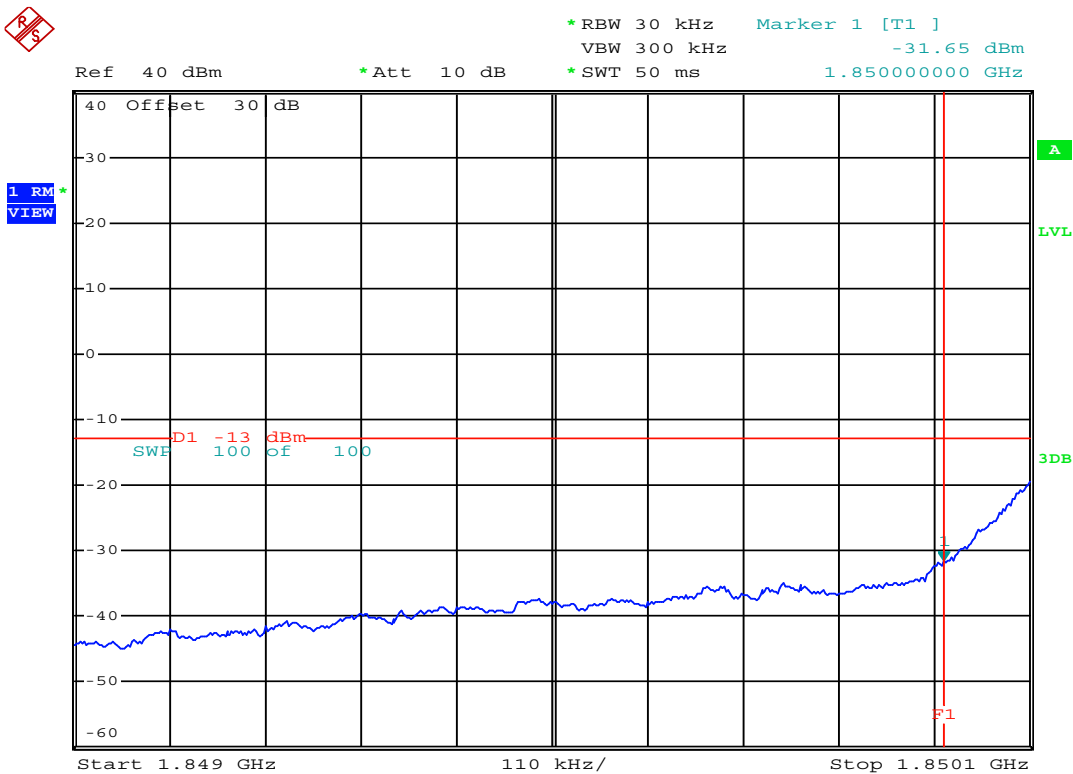
Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:30:44

Channel Frequency (MHz): 1850.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -30.64
EARFCN: 18607	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: QPSK	

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:29:50

Channel Frequency (MHz): 1850.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -31.65
EARFCN: 18607	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 2

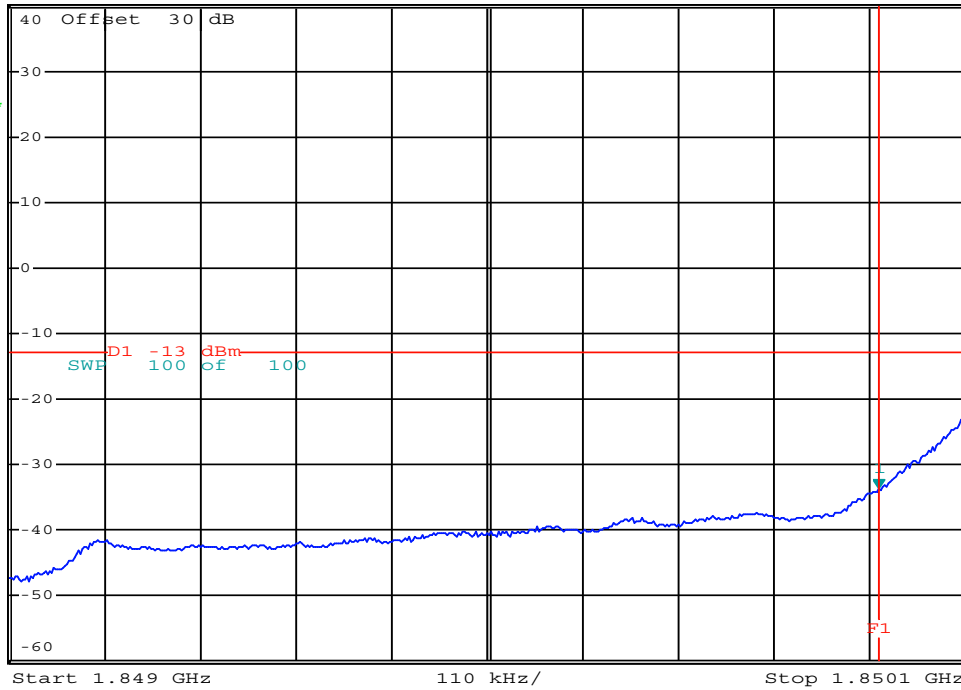


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -33.66 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 14:28:52

Channel Frequency (MHz): 1850.7	Channel Bandwidth (MHz): 1.4
EARFCN: 18607	Resource Blocks (RB): 6
RB Offset: 0	Modulation: 64QAM

Band Edge Emission (dBm): **-33.66**

Lower Band Edge (LBE) Emissions LTE Band 2

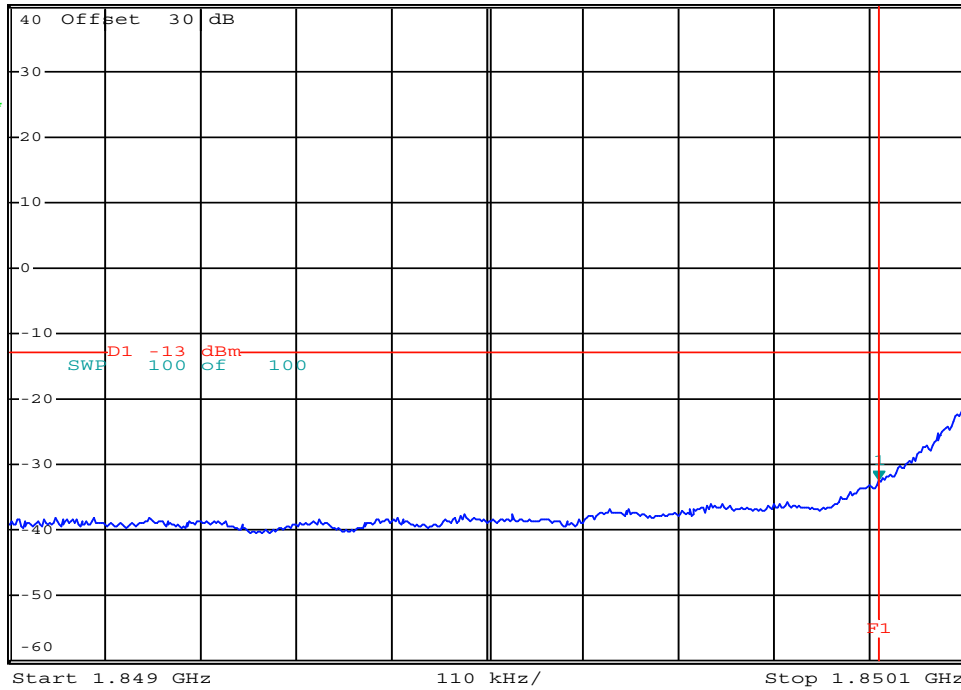


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.23 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM*
 VIEW



Date: 22.APR.2021 14:33:33

Channel Frequency (MHz): **1851.5**

Channel Bandwidth (MHz): **3.0**

EARFCN: **18615**

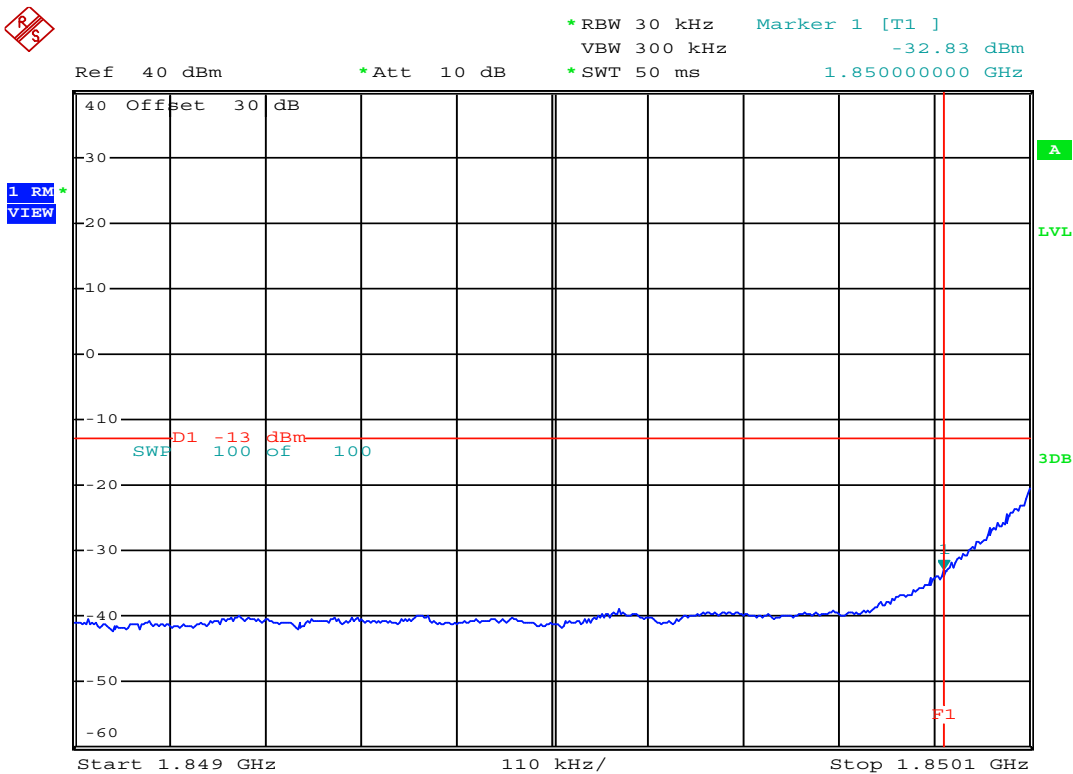
Resource Blocks (RB): **15**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-32.23**

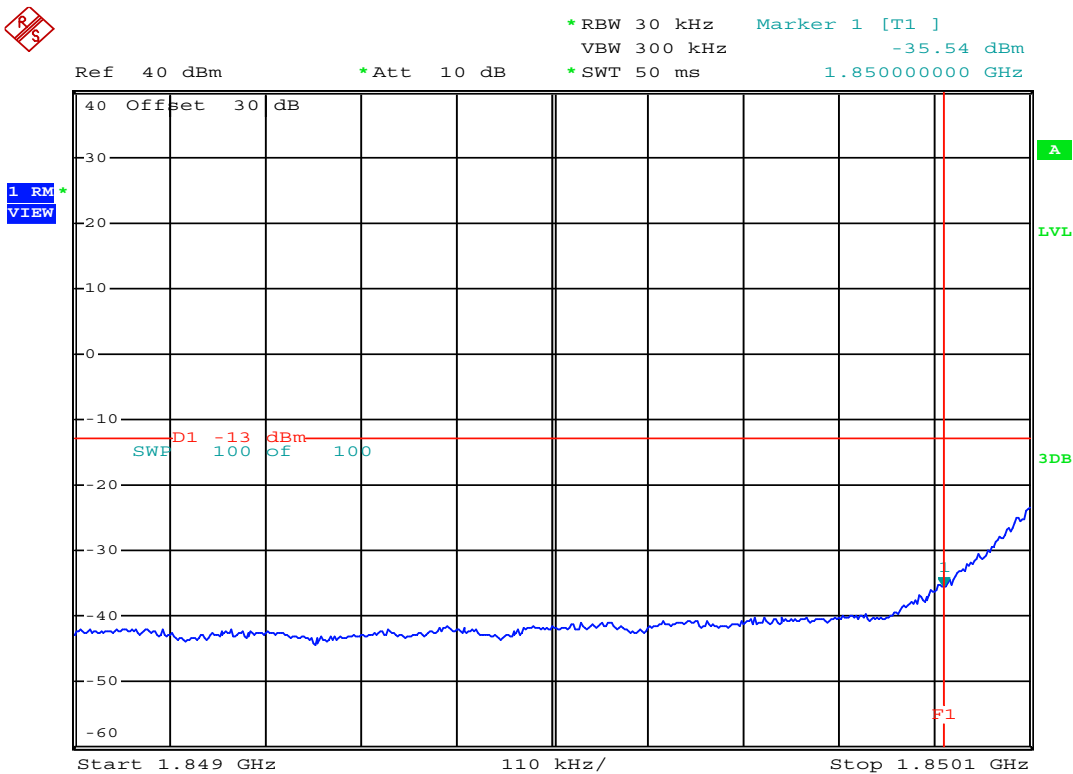
Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:34:25

Channel Frequency (MHz): 1851.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -32.83
EARFCN: 18615	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: 16QAM	

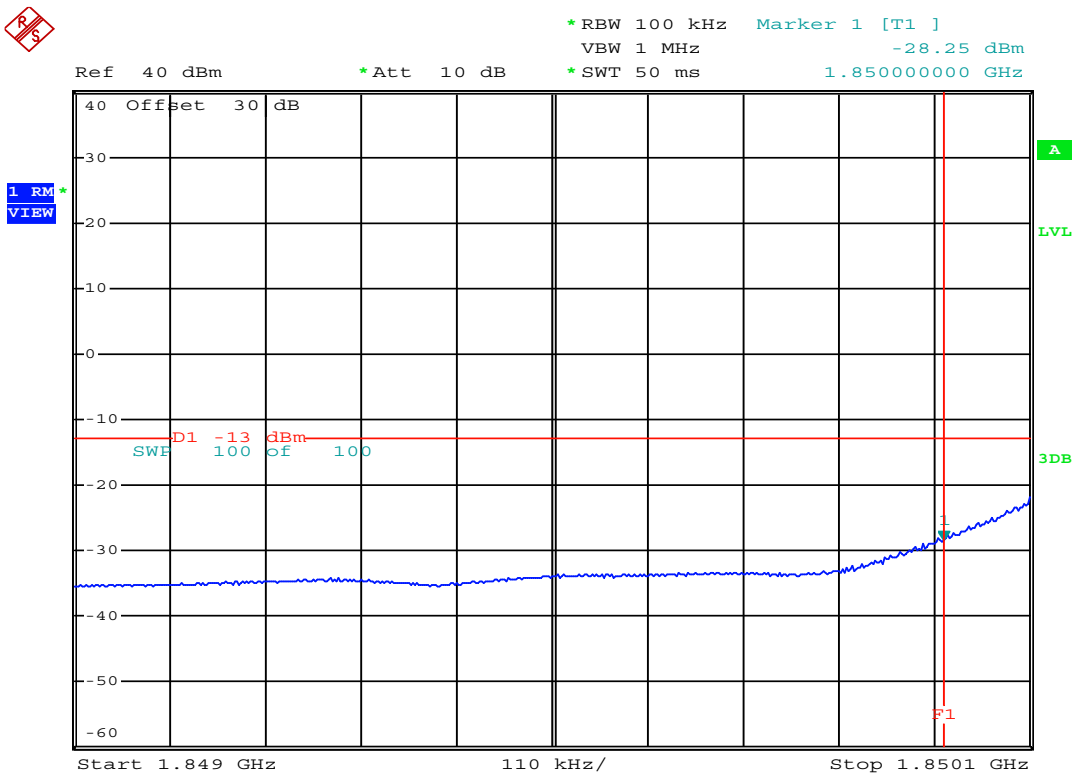
Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:35:31

Channel Frequency (MHz): 1851.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -35.54
EARFCN: 18615	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: 64QAM	

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:40:32

Channel Frequency (MHz):	1852.5	Channel Bandwidth (MHz):	5.0	Band Edge Emission (dBm): -28.25
EARFCN:	18625	Resource Blocks (RB):	25	
RB Offset:	0	Modulation:	QPSK	

Lower Band Edge (LBE) Emissions LTE Band 2

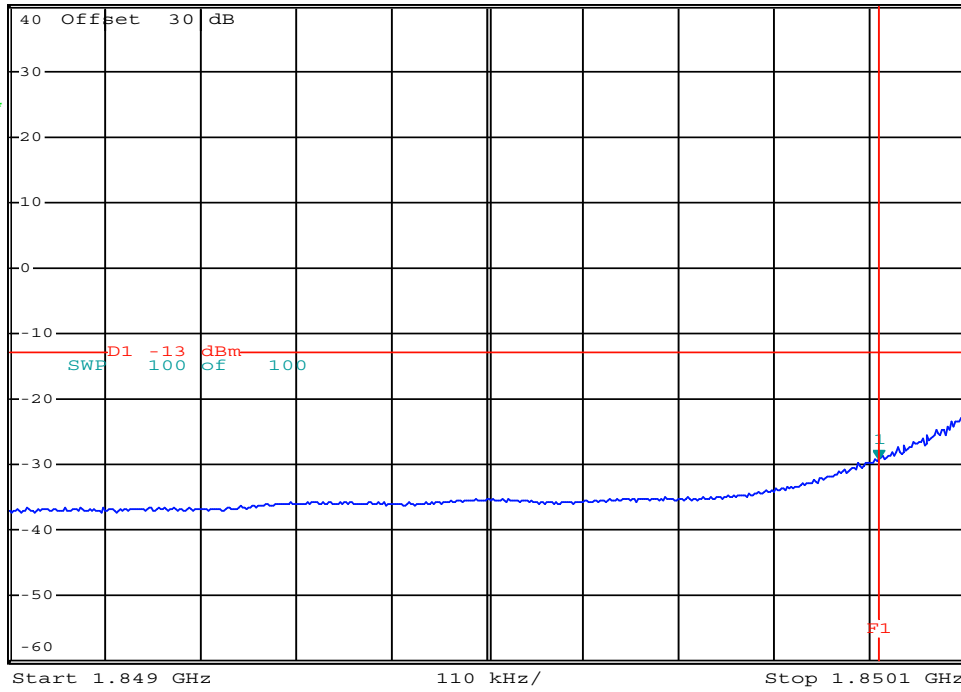


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -29.04 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

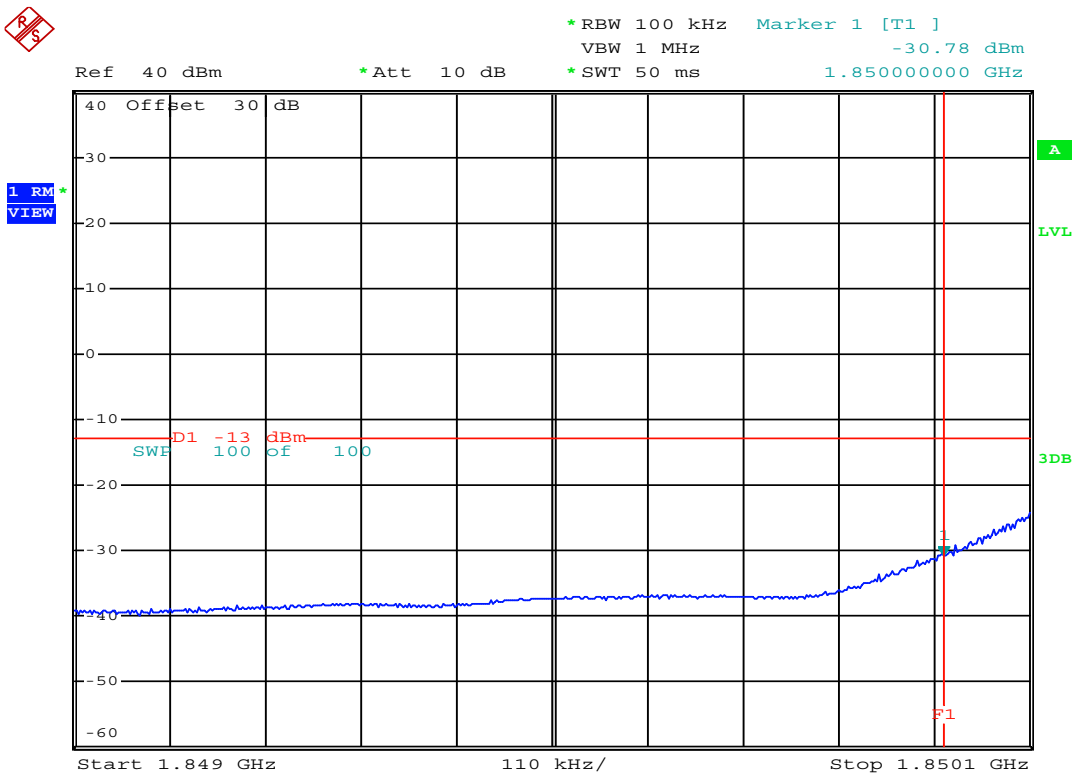
1 RM
 VIEW



Date: 22.APR.2021 14:39:40

Channel Frequency (MHz): 1852.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -29.04
EARFCN: 18625	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:38:07

Channel Frequency (MHz): 1852.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -30.78
EARFCN: 18625	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 64QAM	

Lower Band Edge (LBE) Emissions LTE Band 2



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -34.27 dBm
 *Att 10 dB
 *SWT 50 ms 1.850000000 GHz

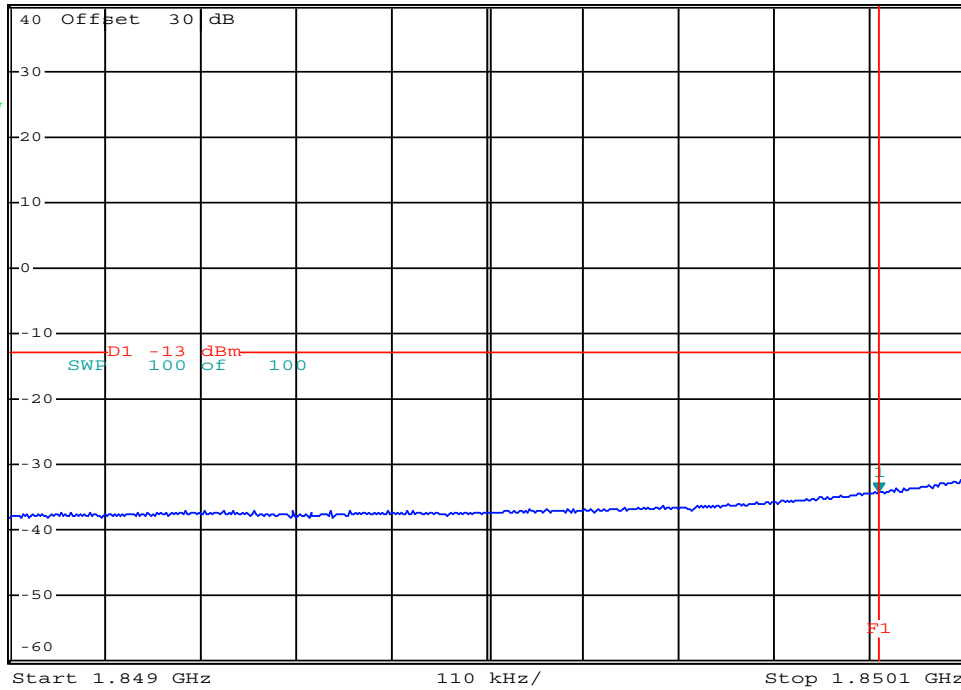
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.850000000 GHz

1 RM
 VIEW



Date: 22.APR.2021 14:42:45

Channel Frequency (MHz): **1855.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **18650**

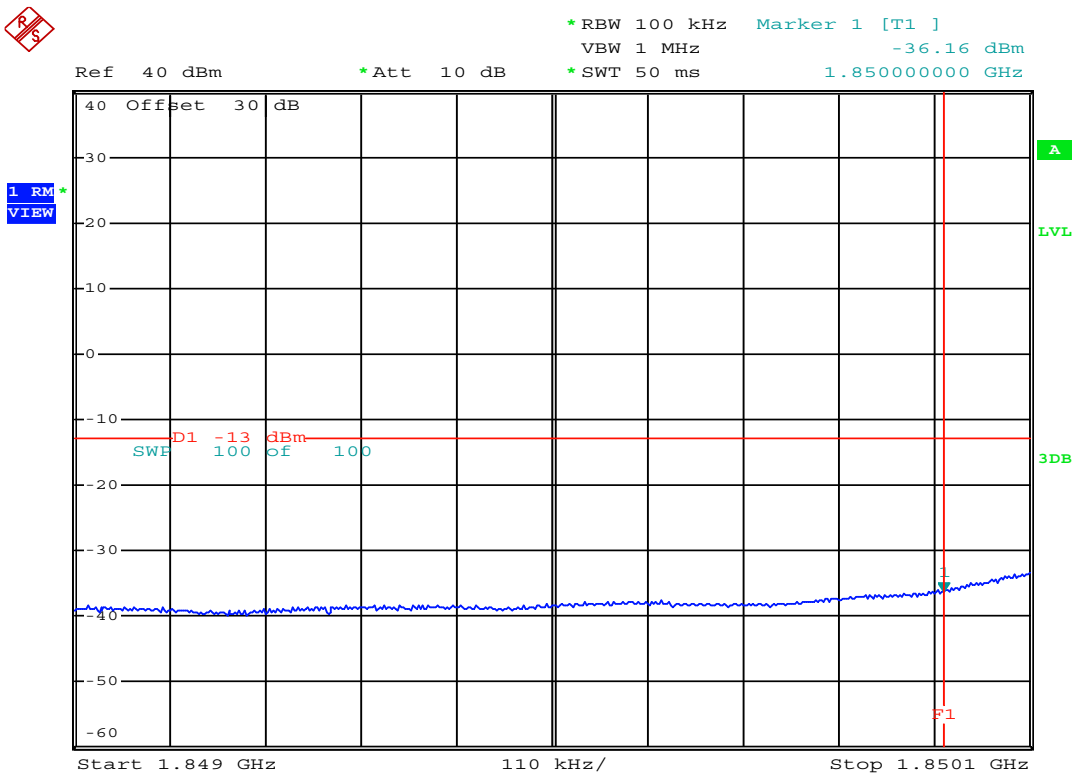
Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-34.27**

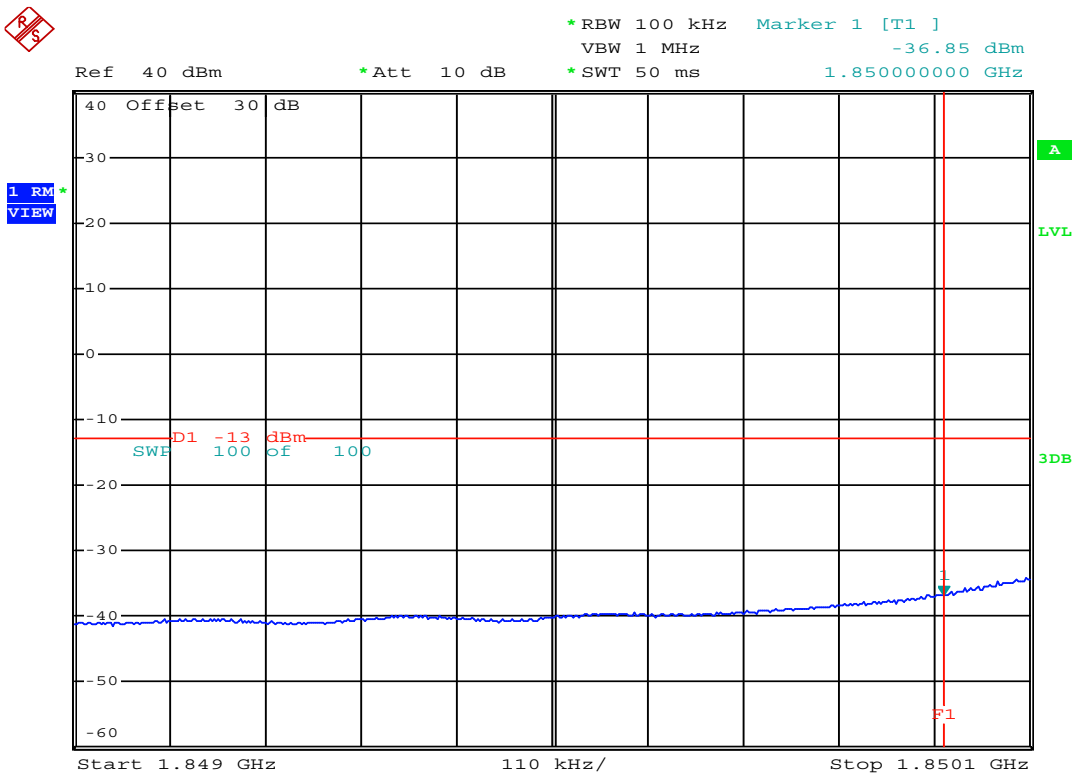
Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:43:35

Channel Frequency (MHz): 1855.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -36.16
EARFCN: 18650	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:44:31

Channel Frequency (MHz): 1855.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -36.85
EARFCN: 18650	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 64QAM	

Lower Band Edge (LBE) Emissions LTE Band 2

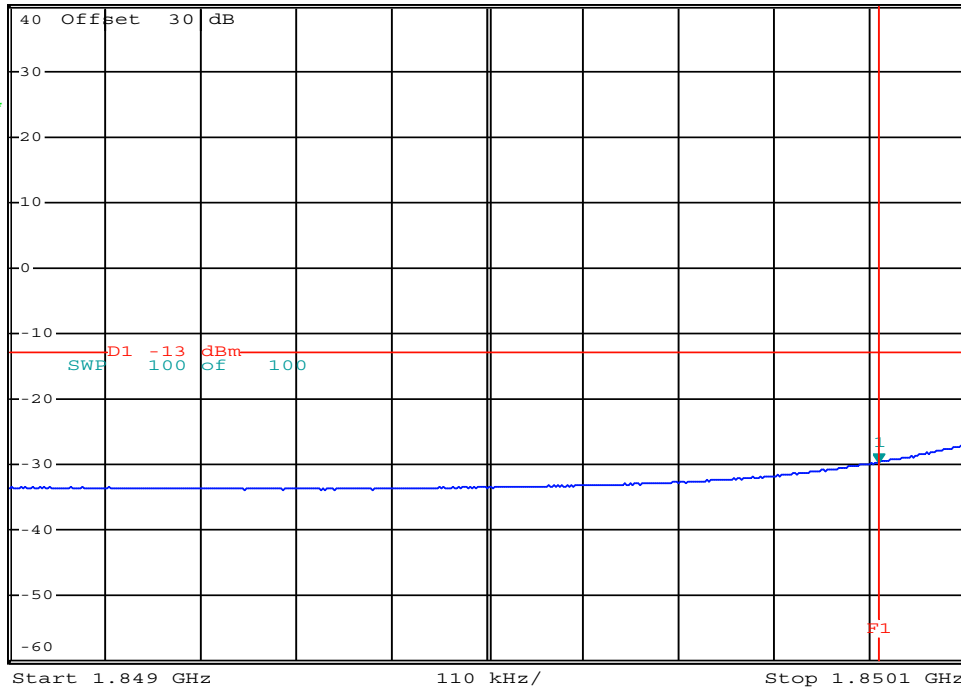


*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -29.57 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 14:48:54

Channel Frequency (MHz): **1857.5**

Channel Bandwidth (MHz): **15.0**

EARFCN: **18675**

Resource Blocks (RB): **75**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-29.57**

Lower Band Edge (LBE) Emissions LTE Band 2

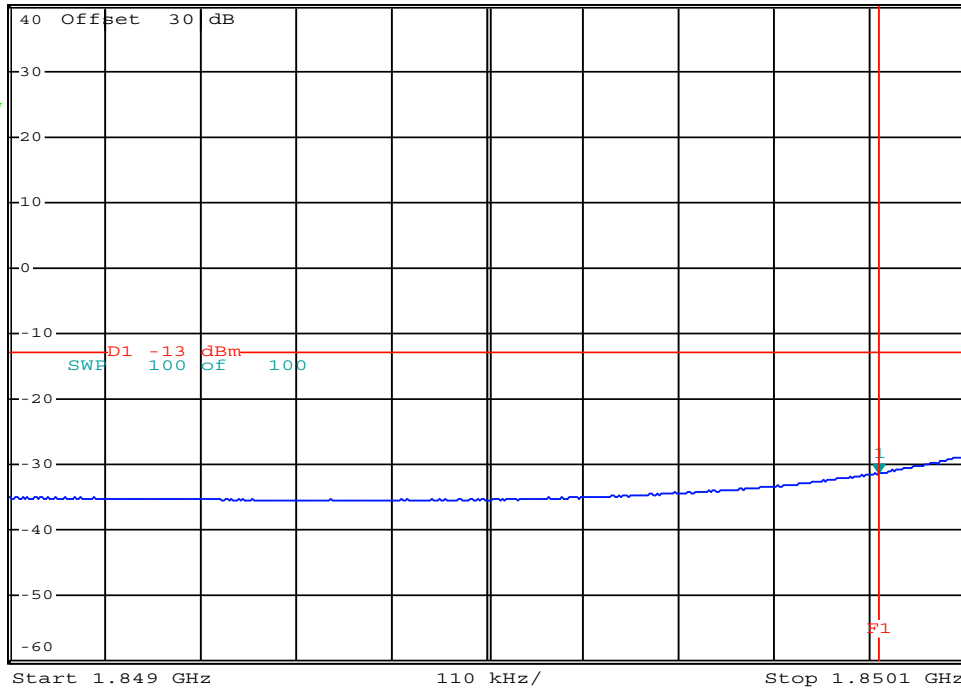


*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -31.22 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 14:47:41

Channel Frequency (MHz): 1857.5	Channel Bandwidth (MHz): 15.0
EARFCN: 18675	Resource Blocks (RB): 75
RB Offset: 0	Modulation: 16QAM

Band Edge Emission (dBm): **-31.22**

Lower Band Edge (LBE) Emissions LTE Band 2

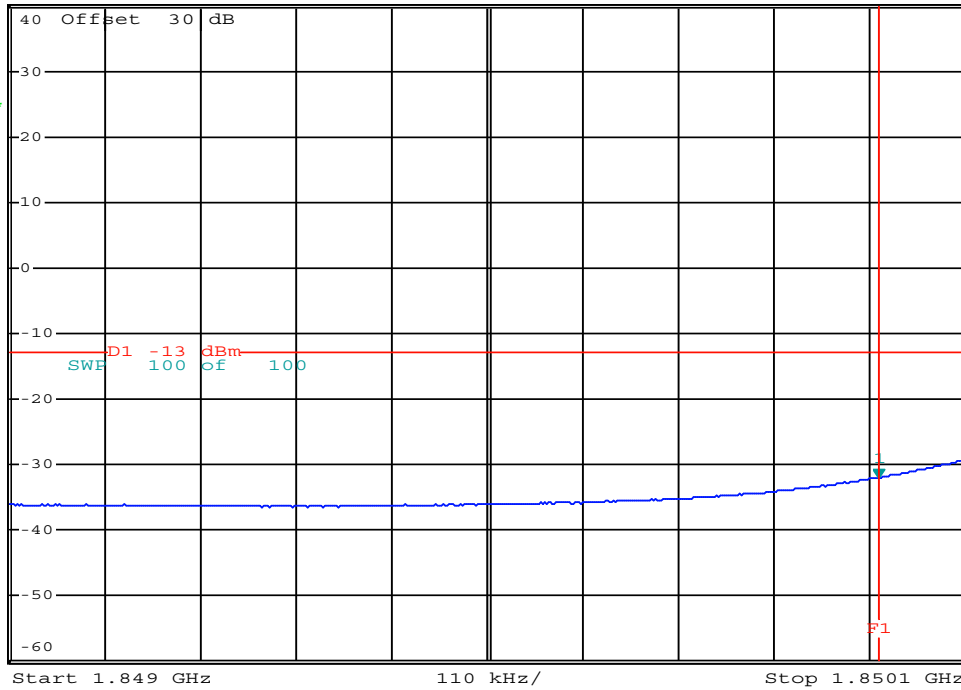


*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -31.92 dBm
 *SWT 50 ms 1.850000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW

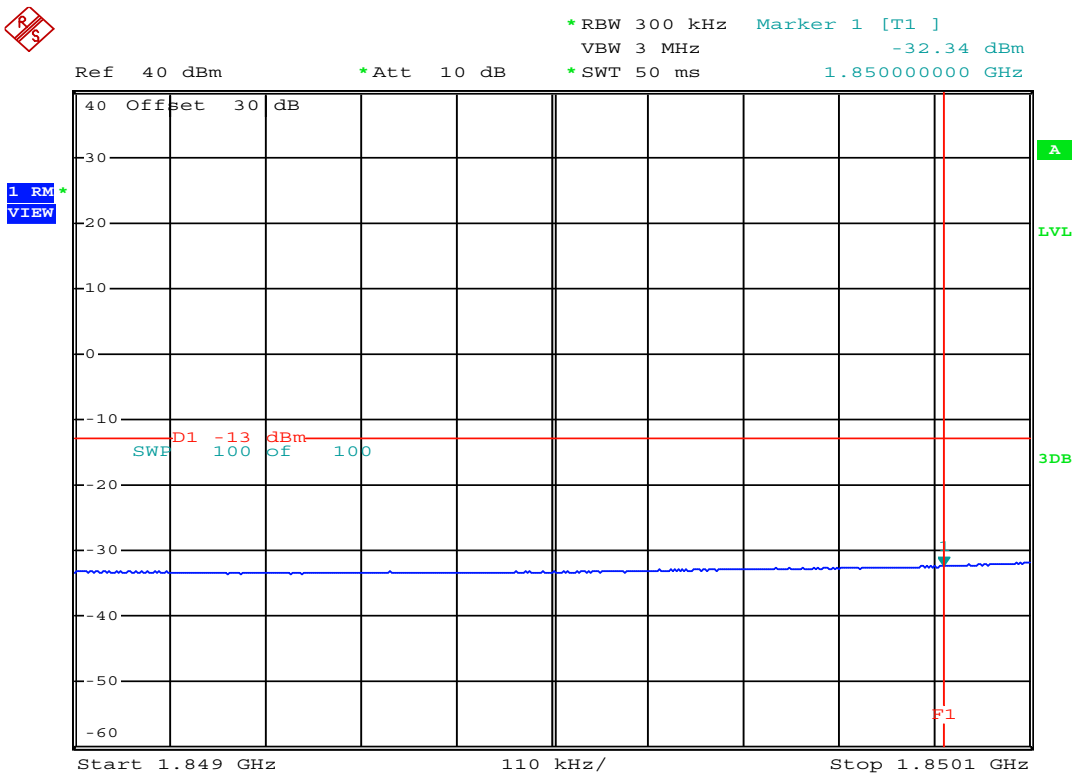


Date: 22.APR.2021 14:46:51

Channel Frequency (MHz): 1857.5	Channel Bandwidth (MHz): 15.0
EARFCN: 18675	Resource Blocks (RB): 75
RB Offset: 0	Modulation: 64QAM

Band Edge Emission (dBm): **-31.92**

Lower Band Edge (LBE) Emissions LTE Band 2



Date: 22.APR.2021 14:50:59

Channel Frequency (MHz): 1860.0	Channel Bandwidth (MHz): 20.0	Band Edge Emission (dBm): -32.34
EARFCN: 18700	Resource Blocks (RB): 100	
RB Offset: 0	Modulation: QPSK	

Lower Band Edge (LBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -33.60 dBm
 *Att 10 dB
 *SWT 50 ms 1.850000000 GHz

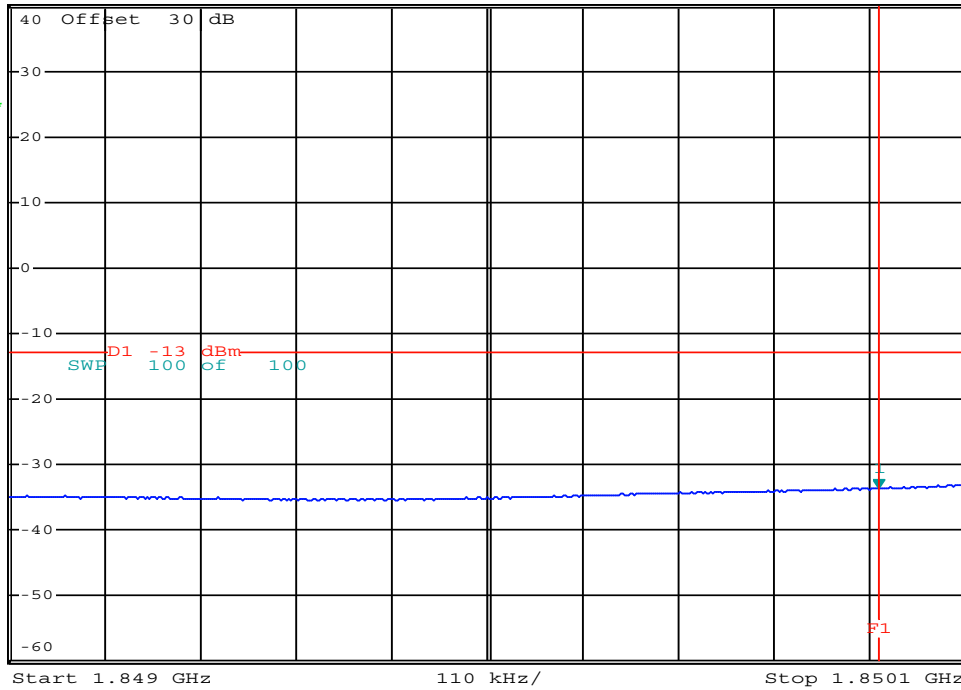
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.850000000 GHz

1 RM
 VIEW



Date: 22.APR.2021 14:55:47

Channel Frequency (MHz): **1860.0**

Channel Bandwidth (MHz): **20.0**

EARFCN: **18700**

Resource Blocks (RB): **100**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-33.6**

Lower Band Edge (LBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -35.50 dBm
 *Att 10 dB
 *SWT 50 ms 1.850000000 GHz

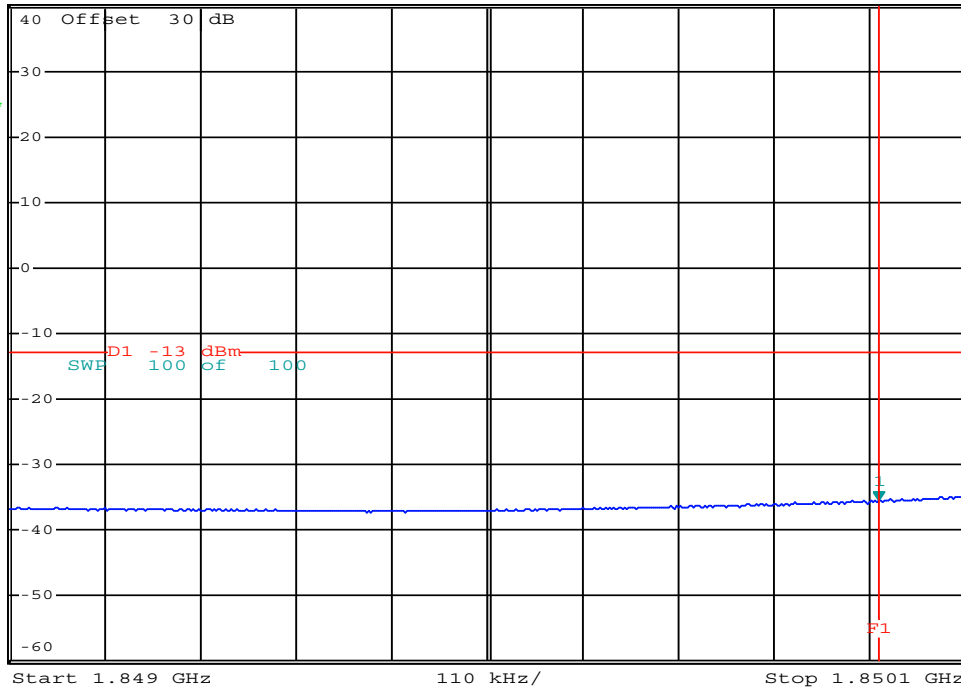
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.850000000 GHz

1 RM*
 VIEW



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Date: 22.APR.2021 14:56:38

Channel Frequency (MHz): **1860.0**

Channel Bandwidth (MHz): **20.0**

EARFCN: **18700**

Resource Blocks (RB): **100**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-33.5**

Upper Band Edge Measurement Results

Channel Frequency (MHz)	Nominal Channel BW (MHz)	EARFCN	Resource Blocks	RB Offset	Modulation	Band Edge Emission (dBm)	Limit (dBm)	Margin (dB)
1909.3	1.4	19193	1	6	QPSK	-23.50	-13.00	10.5
1909.3	1.4	19193	1	6	16QAM	-27.37		14.4
1909.3	1.4	19193	1	6	64QAM	-29.13		16.1
1909.3	1.4	19193	6	0	QPSK	-29.41		16.4
1909.3	1.4	19193	6	0	16QAM	-30.27		17.3
1909.3	1.4	19193	6		64QAM	-32.27		19.3
1908.5	3	19185	15	0	QPSK	-32.30		19.3
1908.5	3	19185	15	0	16QAM	-32.29		19.3
1908.5	3	19185	15	0	64QAM	-34.34		21.3
1907.5	5	19175	25	0	QPSK	-29.15		16.2
1907.5	5	19175	25	0	16QAM	-29.69		16.7
1907.5	5	19175	25	0	64QAM	-29.15		16.2
1905	10	19150	50	0	QPSK	-36.65		23.7
1905	10	19150	50	0	16QAM	-37.32		24.3
1905	10	19150	50	0	64QAM	-36.25		23.3
1902.5	15	19125	75	0	QPSK	-30.17		17.2
1902.5	15	19125	75	0	16QAM	-31.67		18.7
1902.5	15	19125	75	0	64QAM	-32.49		19.5
1900	20	19100	100	0	QPSK	-30.37		17.4
1900	20	19100	100	0	16QAM	-32.76		19.8
1900	20	19100	100	0	64QAM	-35.04	22.0	
								Complies

Margin = Limit - Band Edge Emission

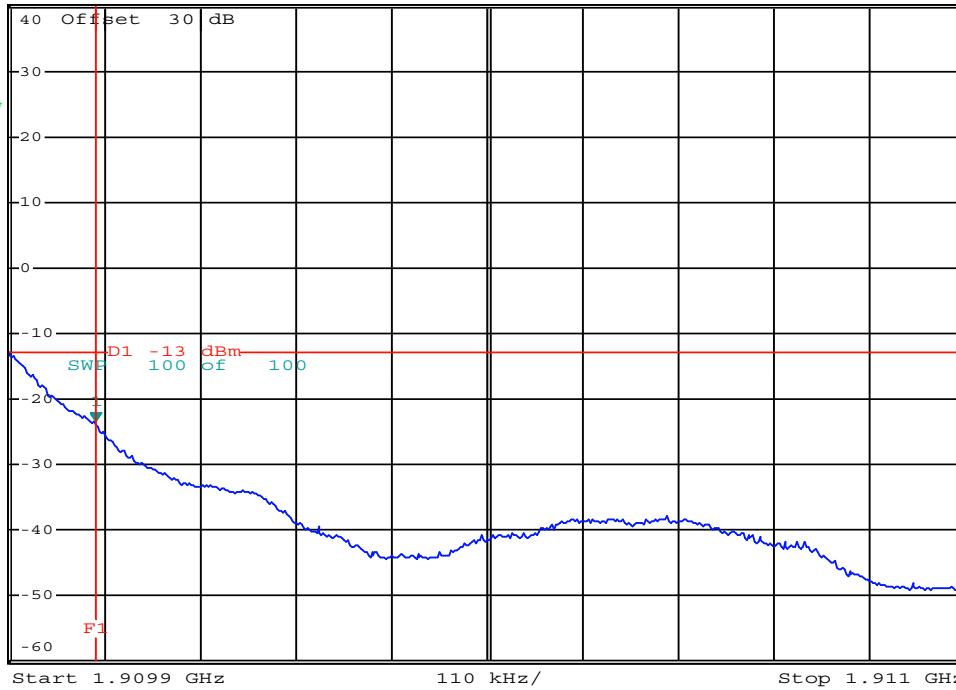
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -23.50 dBm
 *Att 10 dB *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM
 VIEW



Date: 26.APR.2021 14:36:57

Channel Frequency (MHz): 1909.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -23.5
EARFCN: 19193	Resource Blocks (RB): 1	
RB Offset: 6	Modulation: QPSK	

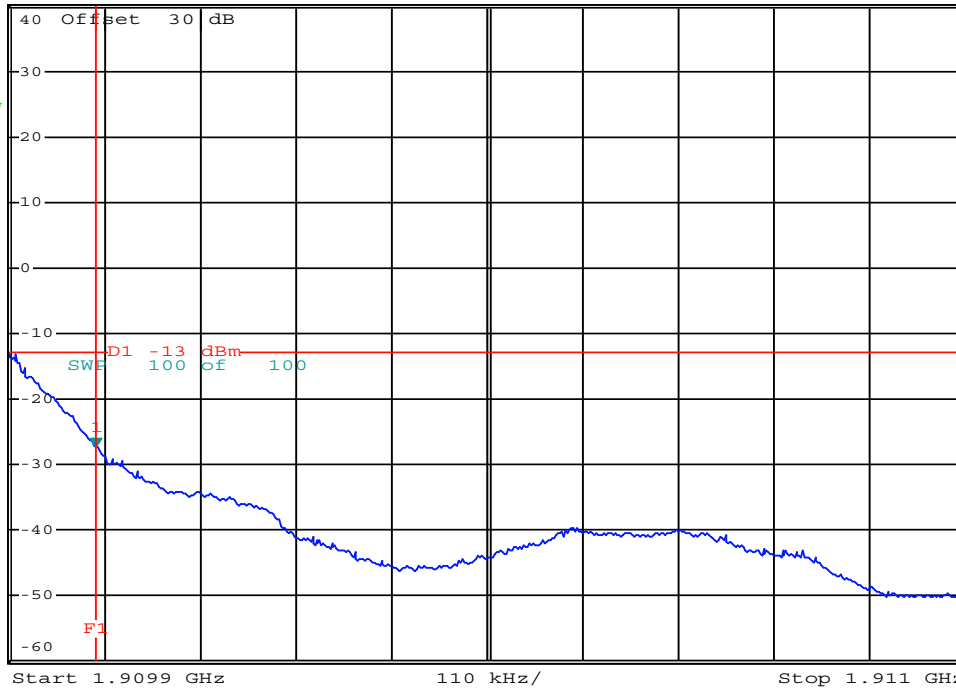
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -27.37 dBm
 *Att 10 dB *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM
 VIEW



Date: 26.APR.2021 14:37:55

Channel Frequency (MHz): **1909.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **19193**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **16QAM**

Band Edge Emission (dBm): **-27.37**

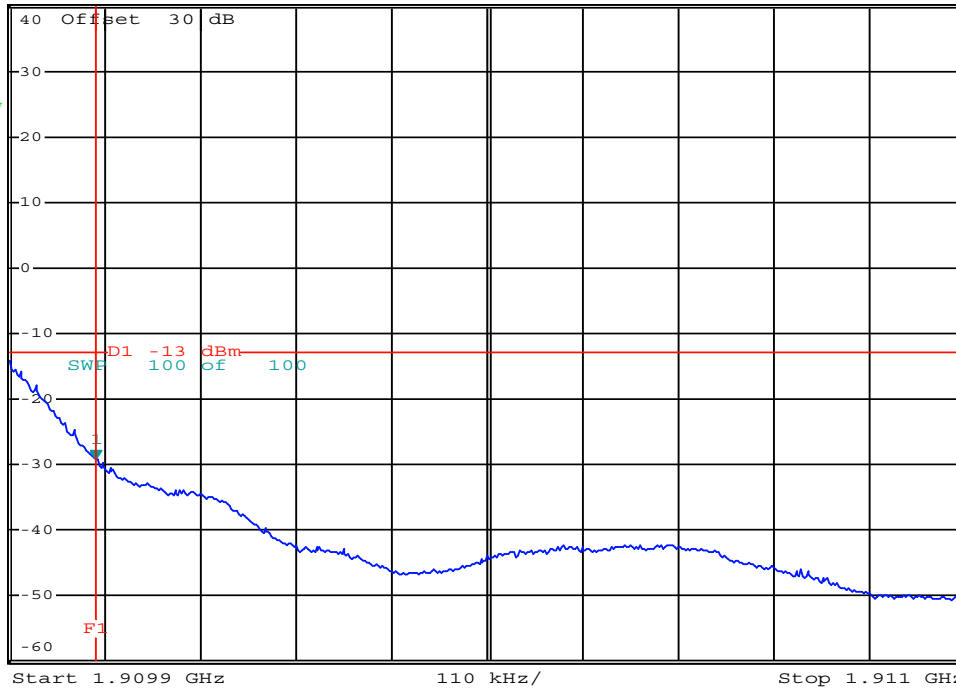
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -29.13 dBm
 *Att 10 dB *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM
 VIEW



Date: 26.APR.2021 14:38:49

Channel Frequency (MHz): 1909.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -29.13
EARFCN: 19193	Resource Blocks (RB): 1	
RB Offset: 6	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 2

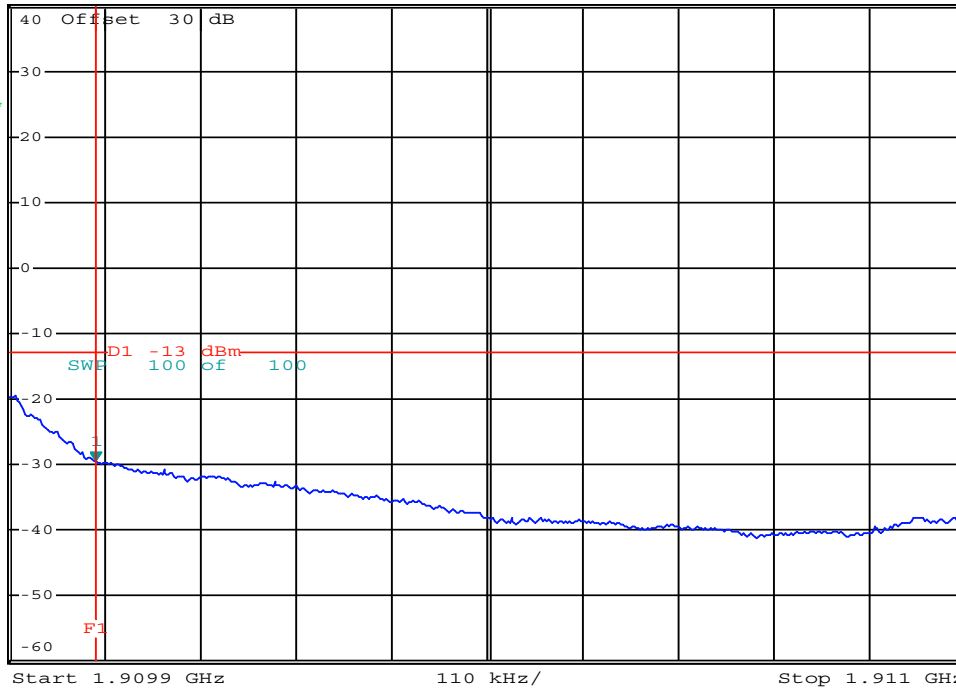


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -29.41 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 26.APR.2021 14:43:16

Channel Frequency (MHz): **1909.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **19193**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-29.41**

Upper Band Edge (UBE) Emissions LTE Band 2

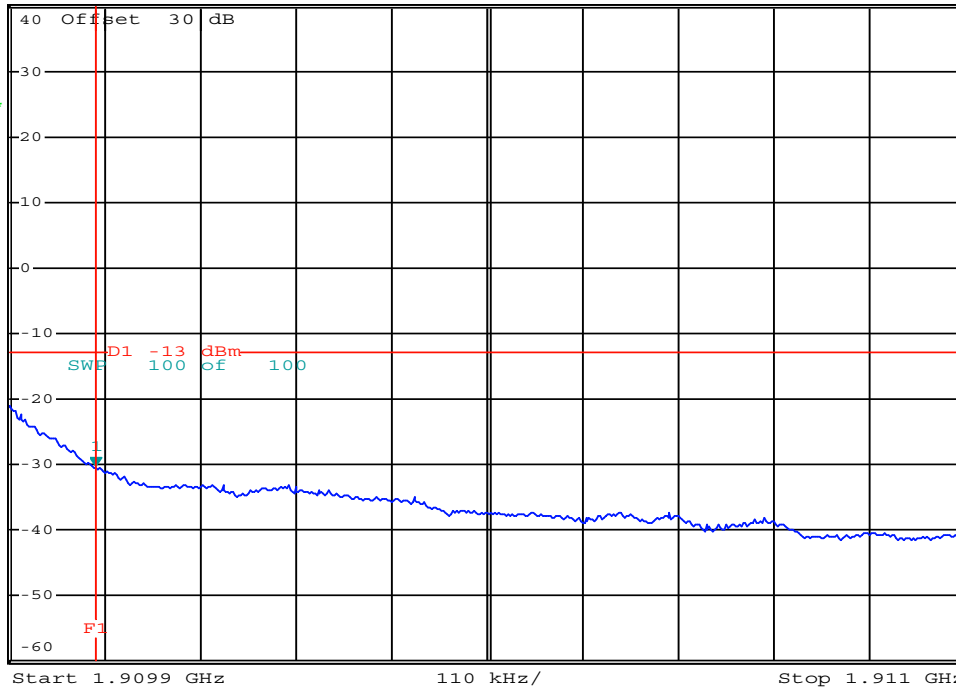


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -30.27 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 26.APR.2021 14:42:22

Channel Frequency (MHz): **1909.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **19193**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-30.27**

Upper Band Edge (UBE) Emissions LTE Band 2

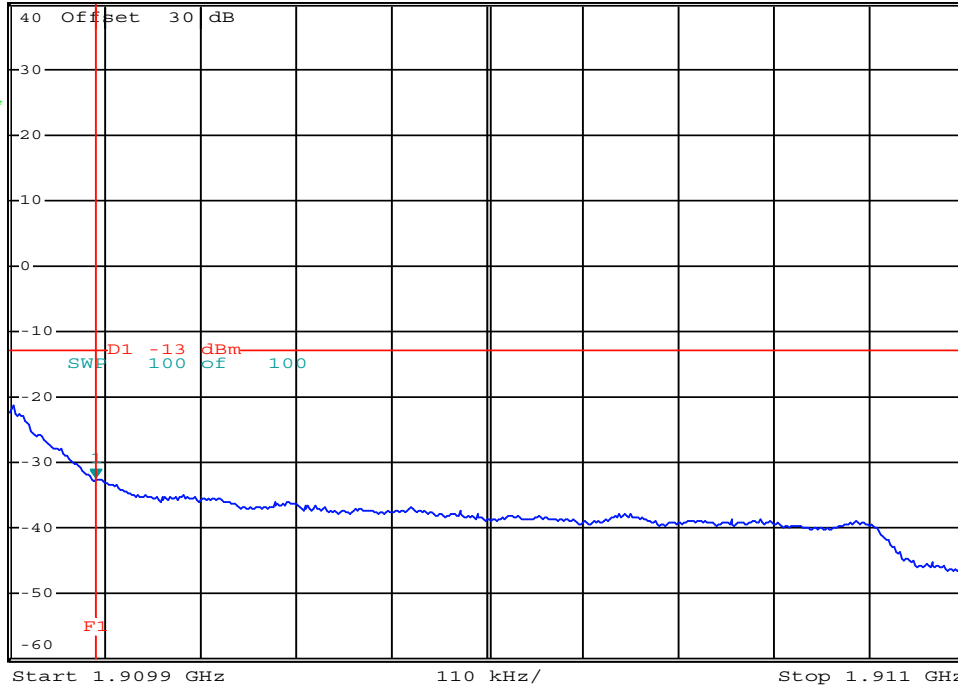


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.27 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 26.APR.2021 14:41:27

Channel Frequency (MHz): 1909.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -32.27
EARFCN: 19193	Resource Blocks (RB): 6	
RB Offset:	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 2

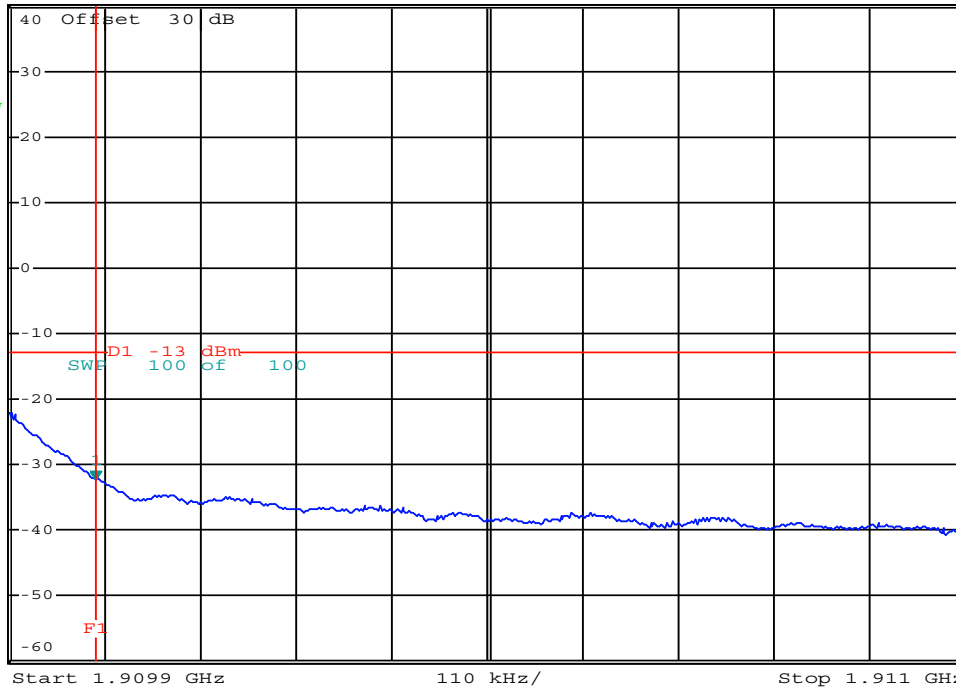


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.30 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 26.APR.2021 14:47:46

Channel Frequency (MHz): **1908.5**

Channel Bandwidth (MHz): **3.0**

EARFCN: **19185**

Resource Blocks (RB): **15**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-32.3**

Upper Band Edge (UBE) Emissions LTE Band 2

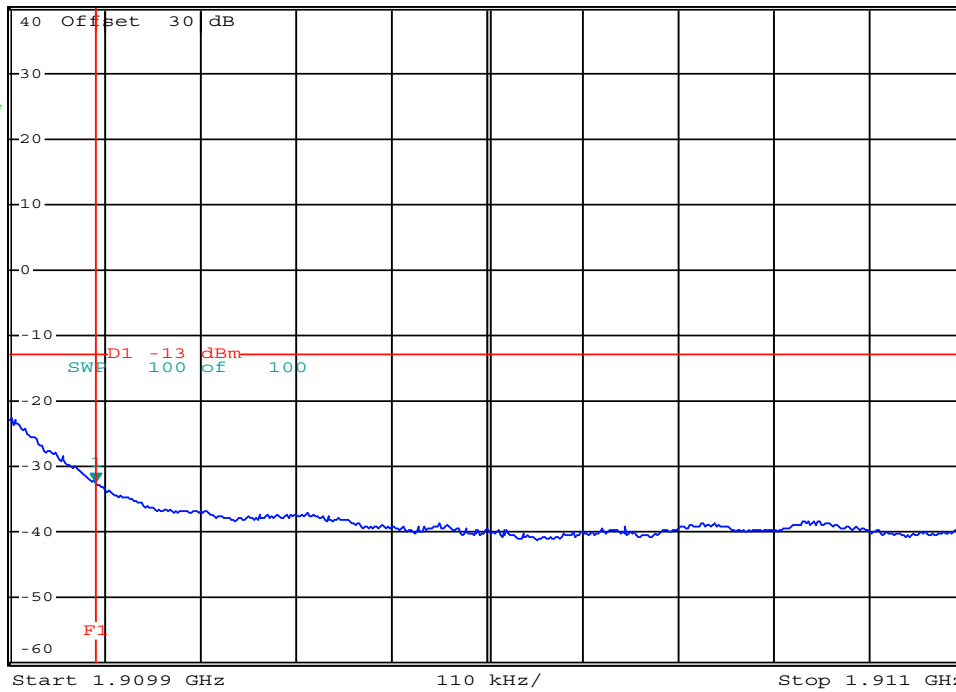


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.29 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 26.APR.2021 14:48:41

Channel Frequency (MHz): **1908.5**

Channel Bandwidth (MHz): **3.0**

EARFCN: **19185**

Resource Blocks (RB): **15**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-32.29**

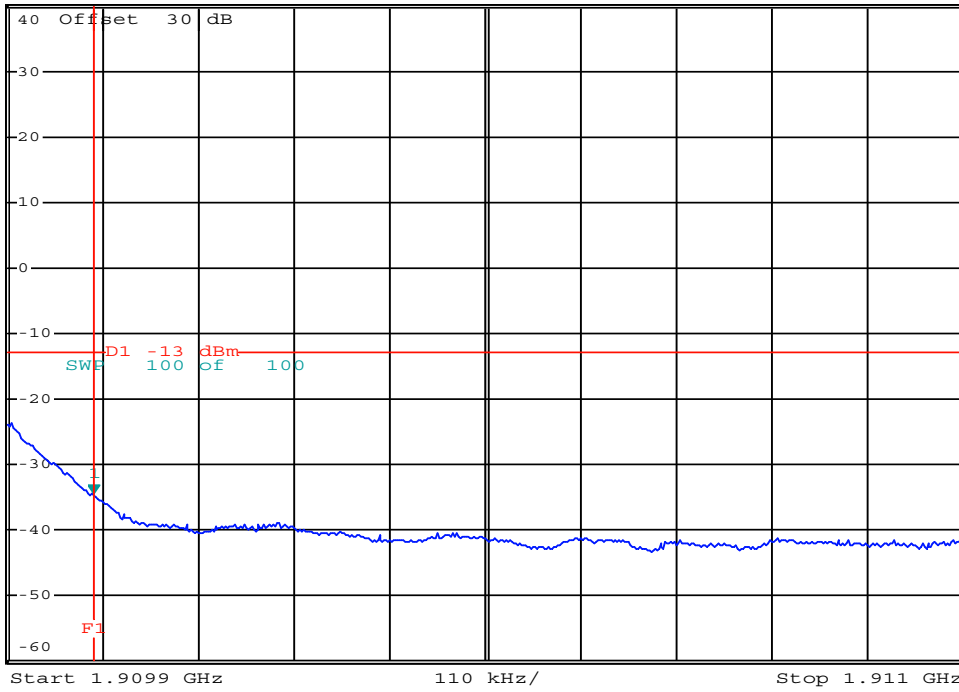
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -34.34 dBm
 *Att 10 dB *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM
 VIEW



Date: 26.APR.2021 14:49:37

Channel Frequency (MHz): 1908.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -34.34
EARFCN: 19185	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 2

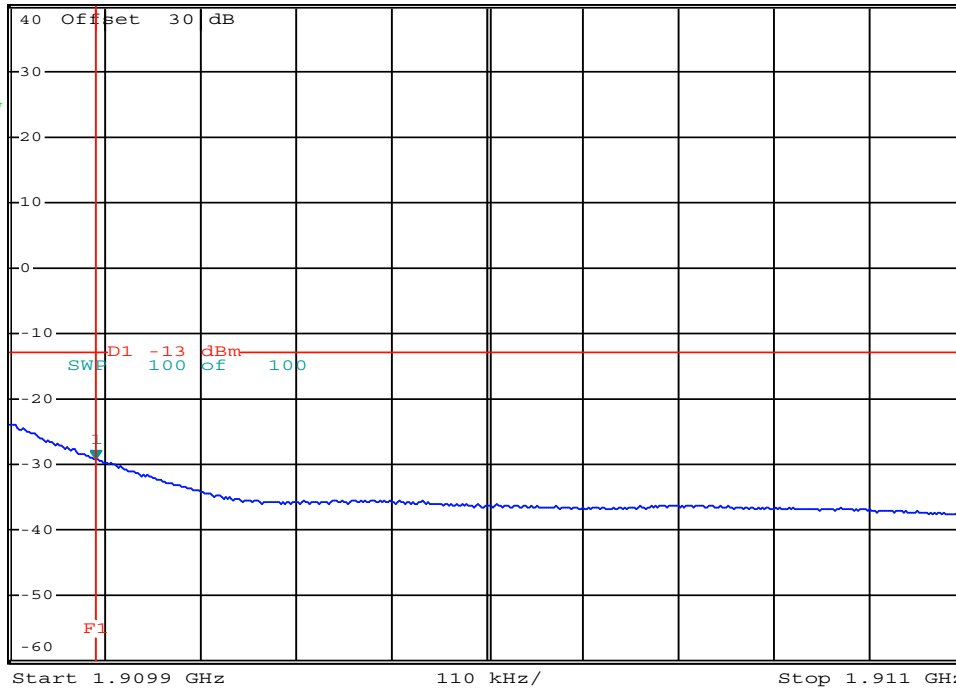


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -29.15 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:20:10

Channel Frequency (MHz): **1907.5**

Channel Bandwidth (MHz): **5.0**

EARFCN: **19175**

Resource Blocks (RB): **25**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-29.15**

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -29.69 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

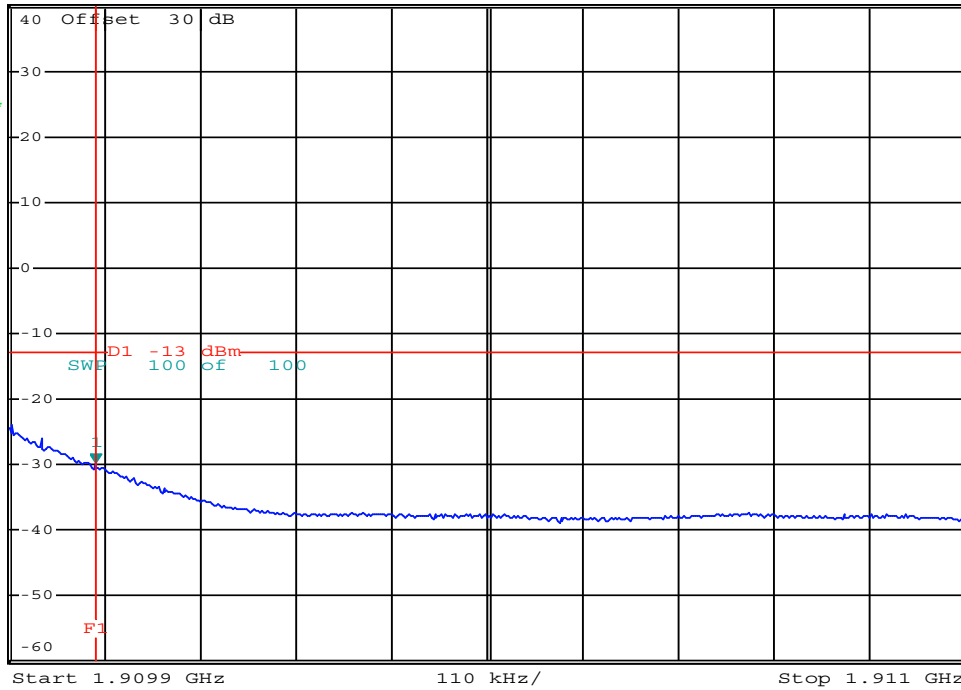
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:19:34

Channel Frequency (MHz): **1907.5**

Channel Bandwidth (MHz): **5.0**

EARFCN: **19175**

Resource Blocks (RB): **25**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-29.69**

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -29.15 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

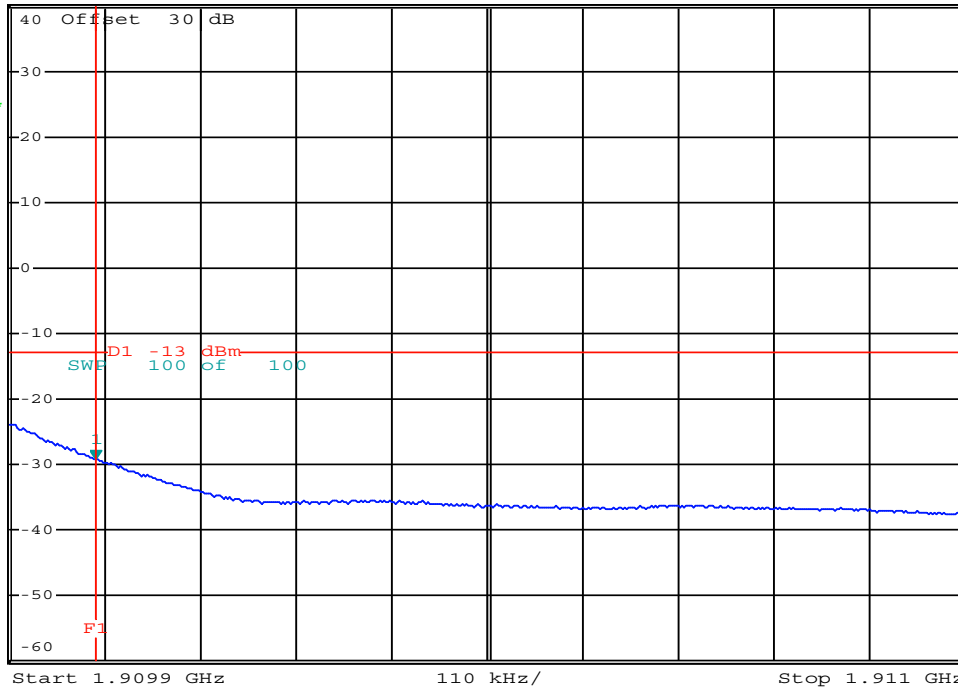
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:20:10

Channel Frequency (MHz): **1907.5**

Channel Bandwidth (MHz): **5.0**

EARFCN: **19175**

Resource Blocks (RB): **25**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-29.15**

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -36.65 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

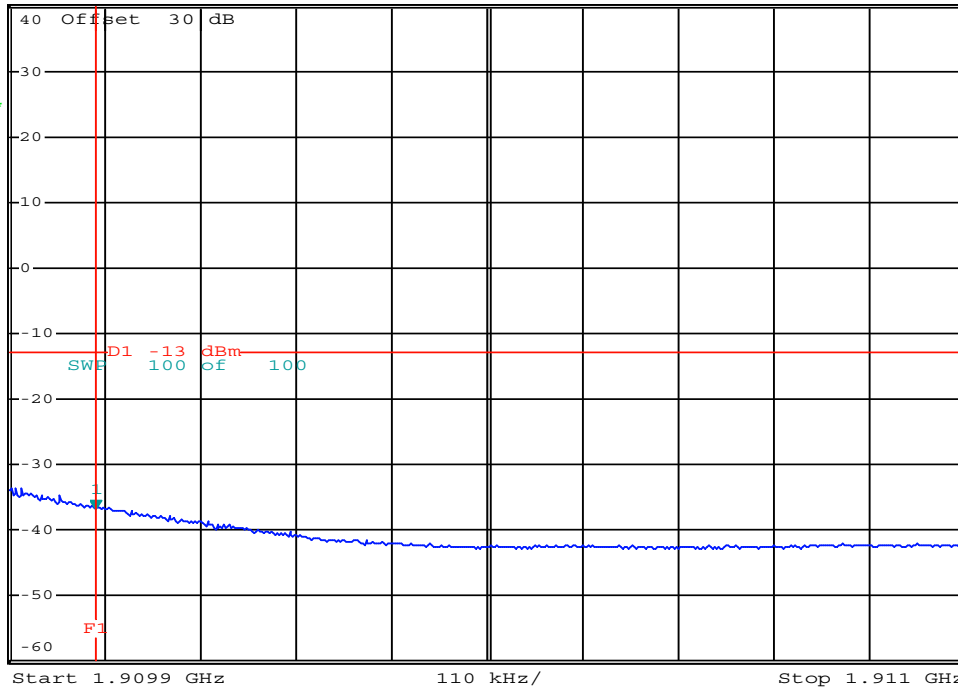
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:21:25

Channel Frequency (MHz): **1905.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **19150**

Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-36.65**

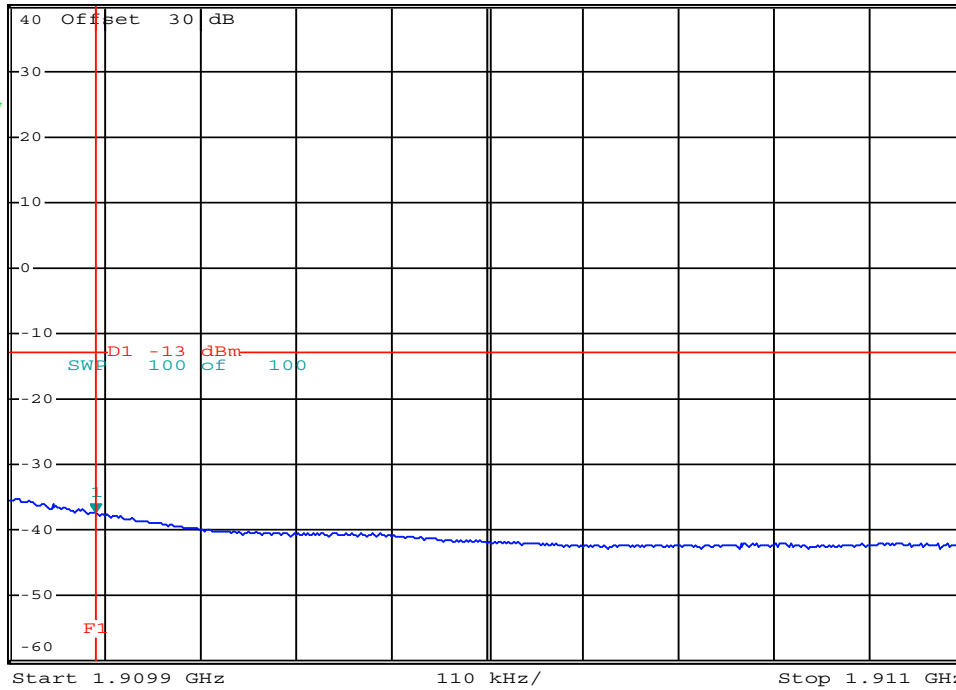
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -37.32 dBm
 *Att 10 dB *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM
 VIEW



Date: 24.APR.2021 10:22:16

Channel Frequency (MHz): 1905.0	Channel Bandwidth (MHz): 10.0
EARFCN: 19150	Resource Blocks (RB): 50
RB Offset: 0	Modulation: 16QAM

Band Edge Emission (dBm): **-37.32**

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -36.25 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

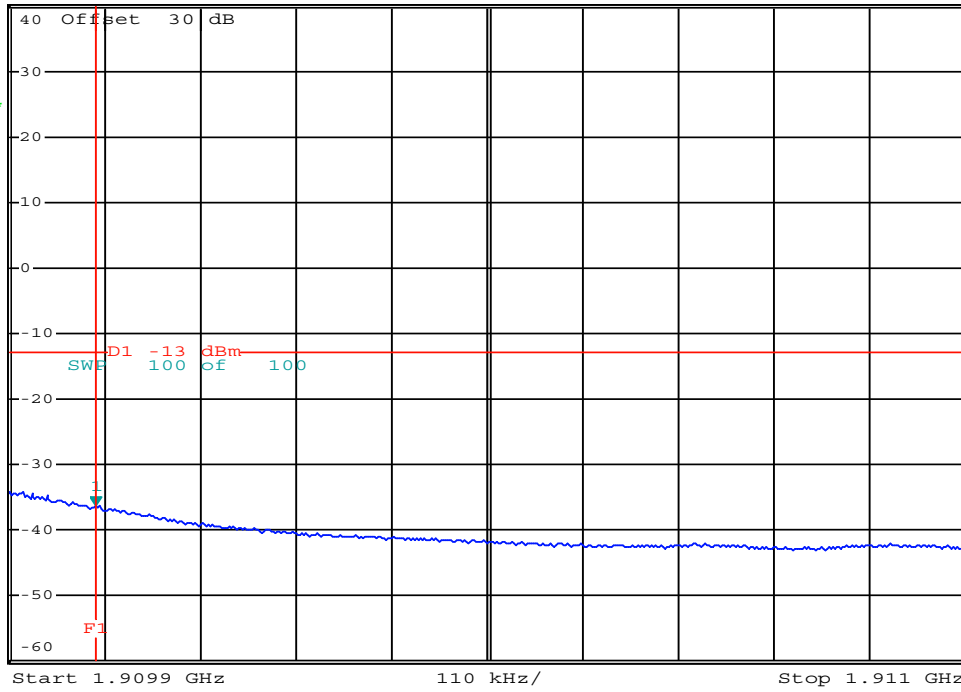
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:23:04

Channel Frequency (MHz): 1905.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -36.25
EARFCN: 19150	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -30.17 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

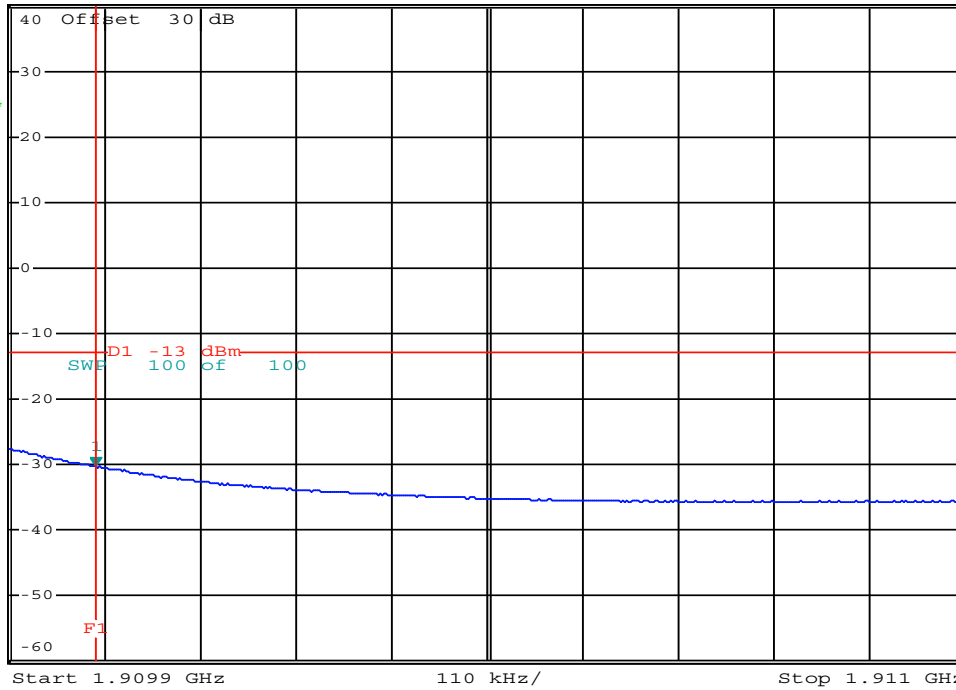
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:26:22

Channel Frequency (MHz): **1902.5**

Channel Bandwidth (MHz): **15.0**

EARFCN: **19125**

Resource Blocks (RB): **75**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-30.17**

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -31.67 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

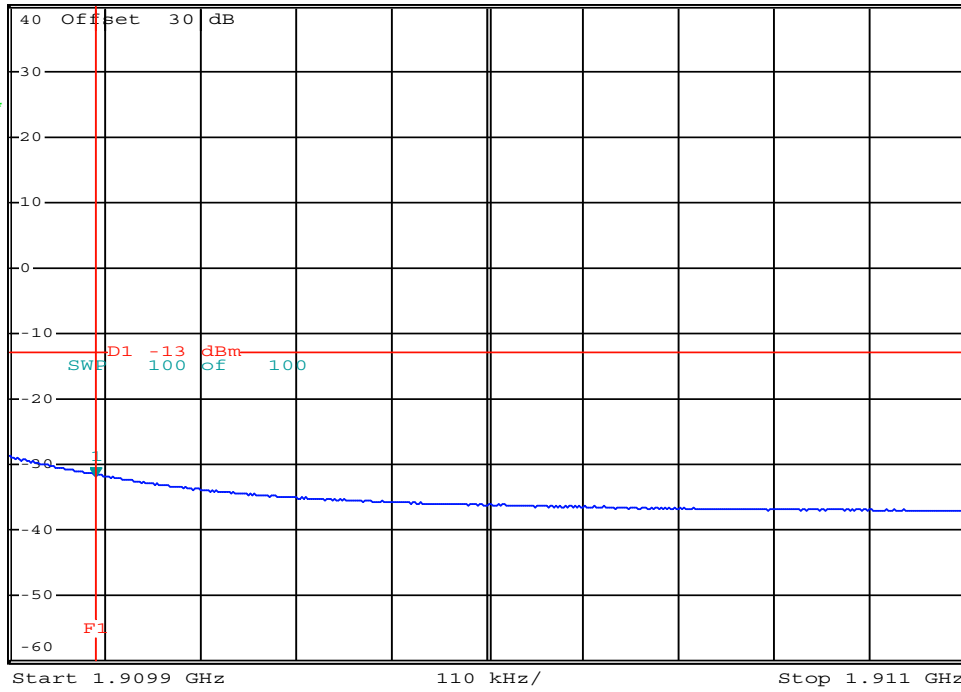
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:25:30

Channel Frequency (MHz): **1902.5**

Channel Bandwidth (MHz): **15.0**

EARFCN: **19125**

Resource Blocks (RB): **75**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-31.67**

Upper Band Edge (UBE) Emissions LTE Band 2

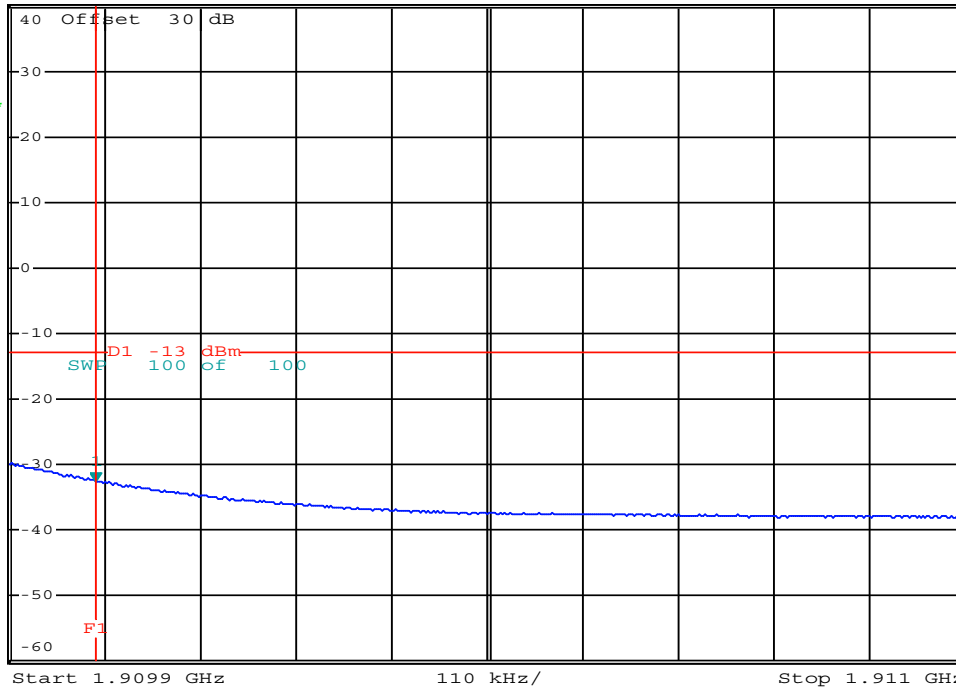


*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -32.49 dBm
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:24:30

Channel Frequency (MHz): 1902.5	Channel Bandwidth (MHz): 15.0	Band Edge Emission (dBm): -32.49
EARFCN: 19125	Resource Blocks (RB): 75	
RB Offset: 0	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -30.37 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

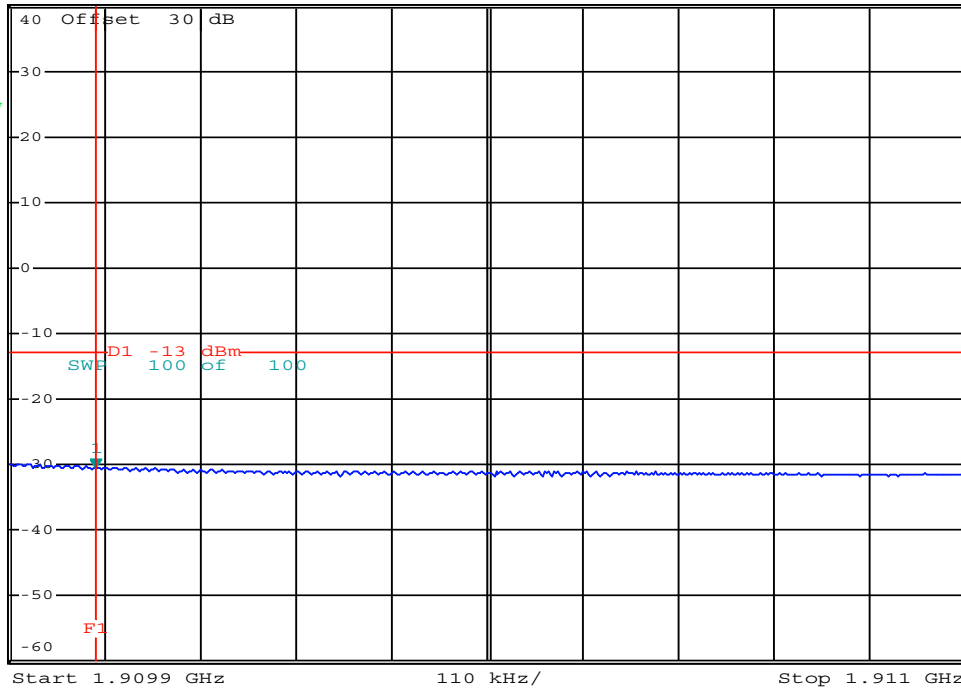
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

1.910000000 GHz

1 RM
 VIEW



Date: 24.APR.2021 10:27:47

Channel Frequency (MHz): **1900.0**

Channel Bandwidth (MHz): **20.0**

EARFCN: **19100**

Resource Blocks (RB): **100**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-30.37**

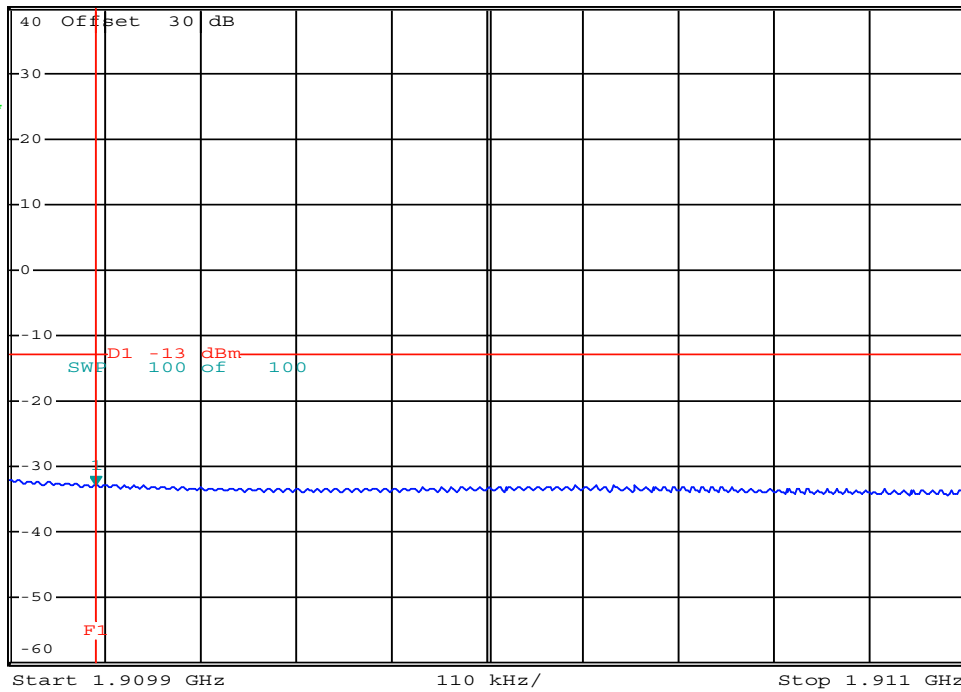
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -32.76 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM
 VIEW



Date: 24.APR.2021 10:28:59

Channel Frequency (MHz): **1900.0**

Channel Bandwidth (MHz): **20.0**

EARFCN: **19100**

Resource Blocks (RB): **100**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-32.76**

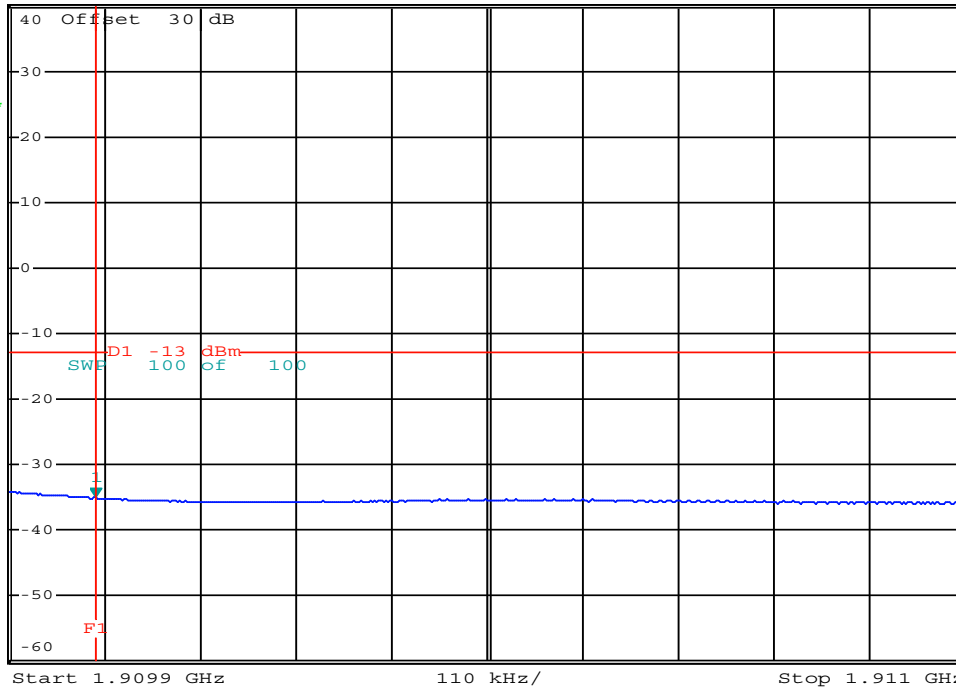
Upper Band Edge (UBE) Emissions LTE Band 2



*RBW 300 kHz Marker 1 [T1]
 VBW 3 MHz -35.04 dBm
 *Att 10 dB
 *SWT 50 ms 1.910000000 GHz

Ref 40 dBm

1 RM*
 VIEW



Date: 24.APR.2021 10:34:05

Channel Frequency (MHz): 1900.0	Channel Bandwidth (MHz): 20.0
EARFCN: 19100	Resource Blocks (RB): 100
RB Offset: 0	Modulation: 64QAM

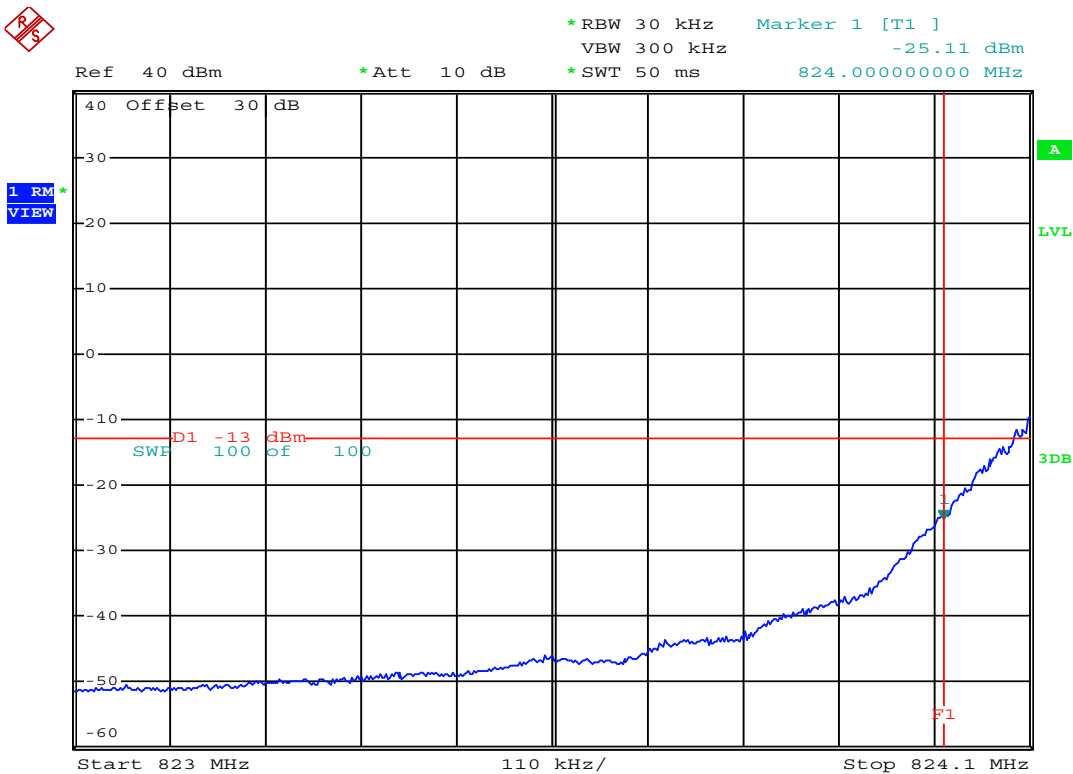
Band Edge Emission (dBm): **-35.04**

Lower Band Edge Measurement Results

Channel Frequency (MHz)	Nominal Channel BW (MHz)	EARFCN	Resource Blocks	RB Offset	Modulation	Band Edge Emission (dBm)	Limit (dBm)	Margin (dB)
824.7	1.4	20407	1	0	QPSK	-25.11	-13.00	12.1
824.7	1.4	20407	1	0	16QAM	-25.88		12.9
824.7	1.4	20407	1	0	64QAM	-27.67		14.7
824.7	1.4	20407	6	0	QPSK	-29.48		16.5
824.7	1.4	20407	6	0	16QAM	-30.21		17.2
824.7	1.4	20407	6	0	64QAM	-32.71		19.7
825.5	3	20415	15	0	QPSK	-30.17		17.2
825.5	3	20415	15	0	16QAM	-30.97		18.0
825.5	3	20415	15	0	64QAM	-32.05		19.1
826.5	5	20425	25	0	QPSK	-27.21		14.2
826.5	5	20425	25	0	16QAM	-28.56		15.6
826.5	5	20425	25	0	64QAM	-29.97		17.0
829	10	20450	50	0	QPSK	-31.68		18.7
829	10	20450	50	0	16QAM	-33.10		20.1
829	10	20450	50	0	64QAM	-33.43		20.4
								Complies

Margin = Limit - Band Edge Emission

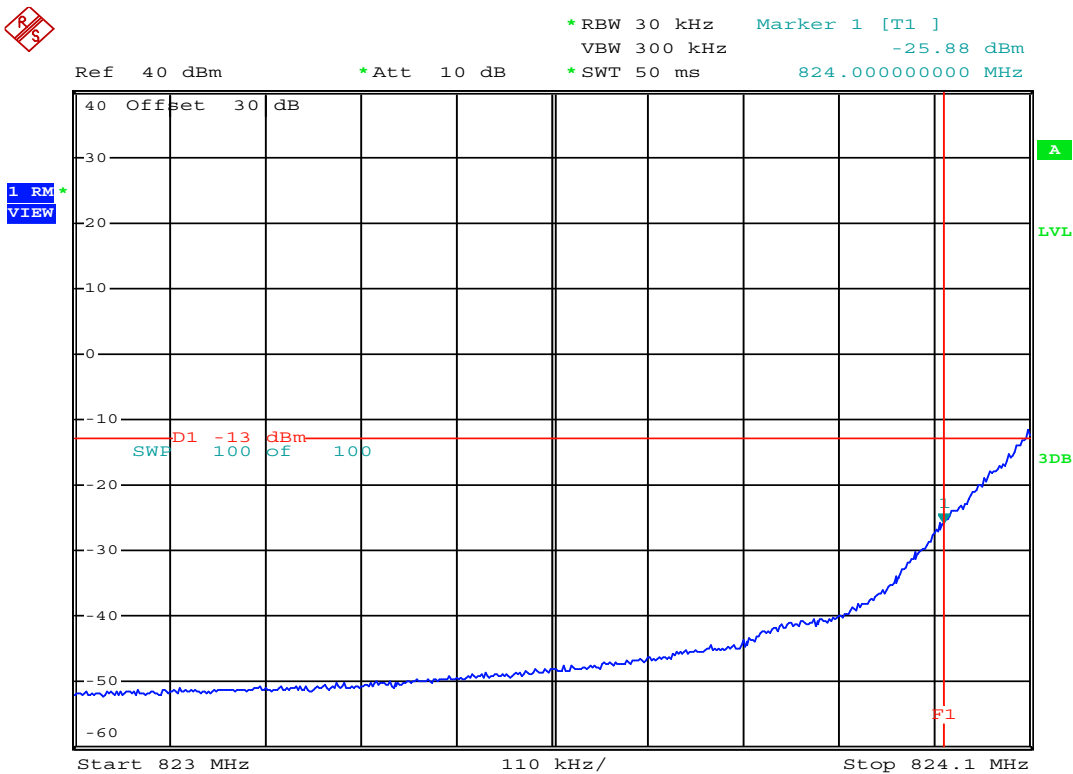
Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 15:41:55

Channel Frequency (MHz):	824.7	Channel Bandwidth (MHz):	1.4	Band Edge Emission (dBm):	-25.11
EARFCN:	20407	Resource Blocks (RB):	1		
RB Offset:	0	Modulation:	QPSK		

Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 15:40:59

Channel Frequency (MHz):	824.7	Channel Bandwidth (MHz):	1.4	Band Edge Emission (dBm): -25.88
EARFCN:	20407	Resource Blocks (RB):	1	
RB Offset:	0	Modulation:	16QAM	

Lower Band Edge (LBE) Emissions LTE Band 5

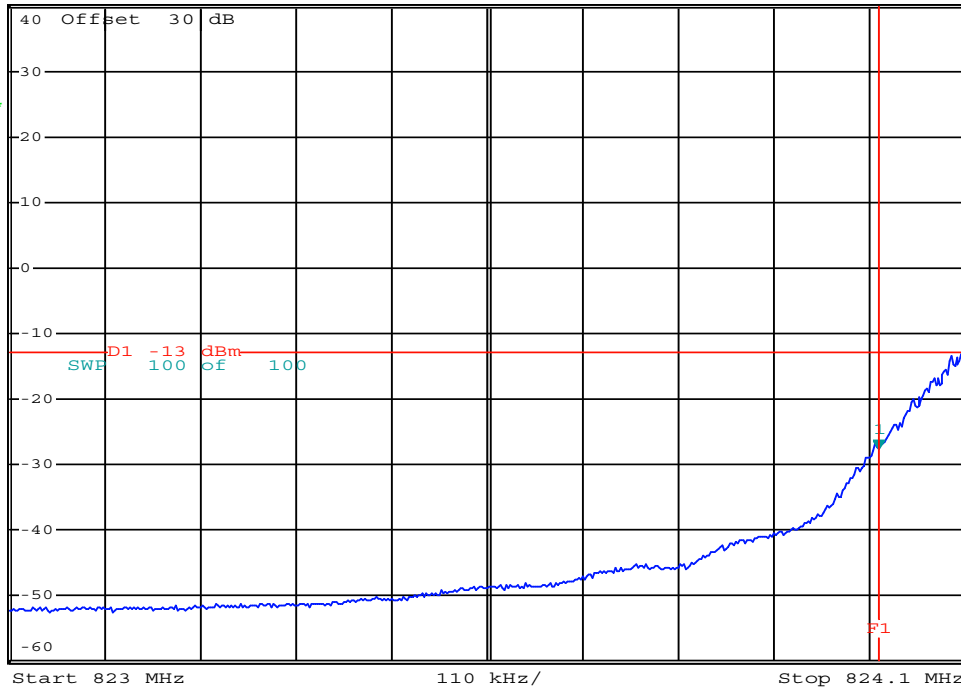


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -27.67 dBm
 *SWT 50 ms 824.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 15:39:59

Channel Frequency (MHz): **824.7**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20407**

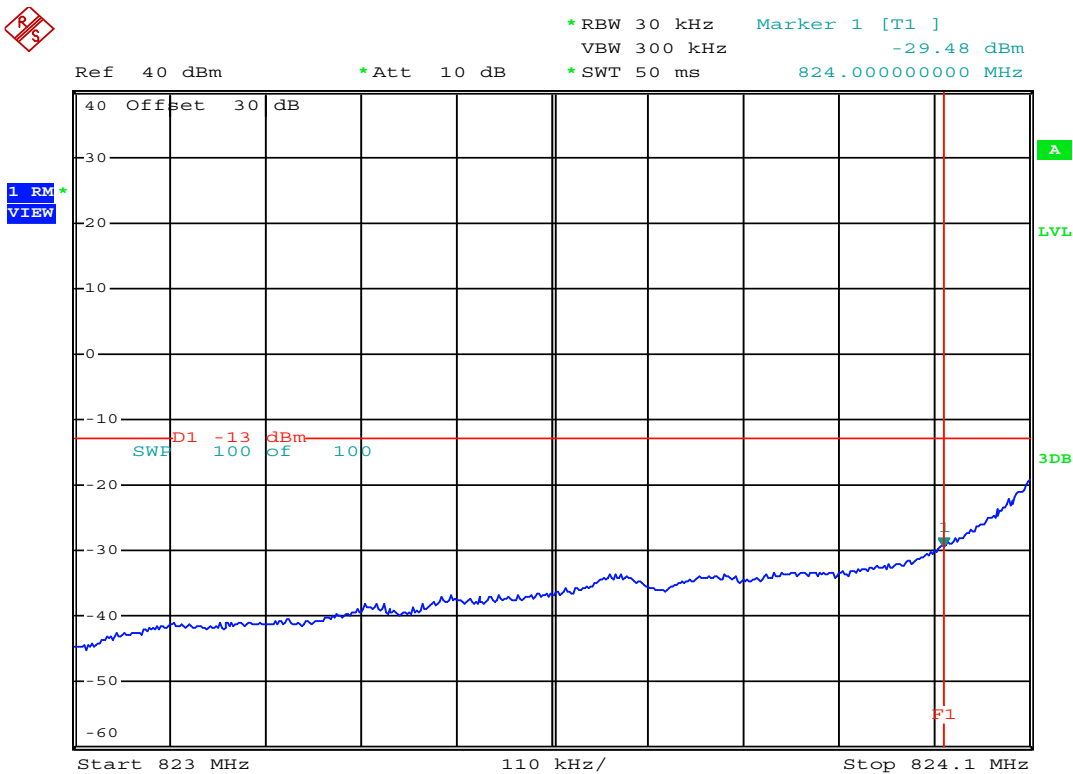
Resource Blocks (RB): **1**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-27.67**

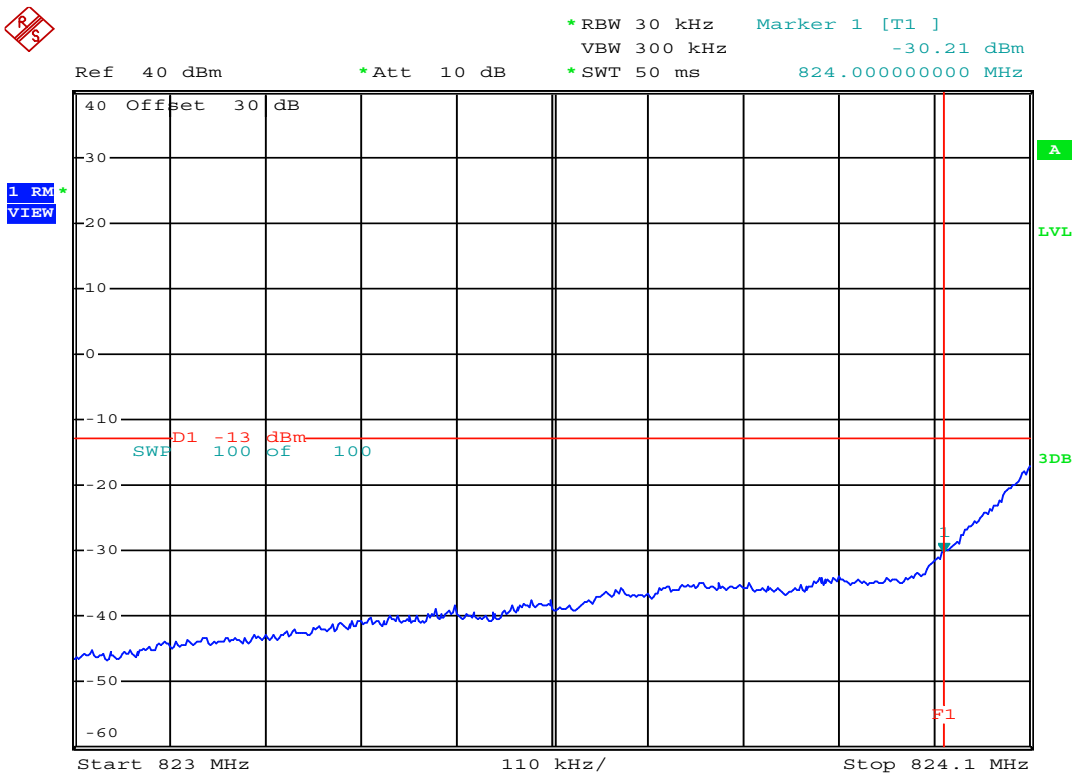
Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 15:42:58

Channel Frequency (MHz):	824.7	Channel Bandwidth (MHz):	1.4	Band Edge Emission (dBm): -29.48
EARFCN:	20407	Resource Blocks (RB):	6	
RB Offset:	0	Modulation:	QPSK	

Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 15:44:02

Channel Frequency (MHz):	824.7	Channel Bandwidth (MHz):	1.4	Band Edge Emission (dBm): -30.21
EARFCN:	20407	Resource Blocks (RB):	6	
RB Offset:	0	Modulation:	16QAM	

Lower Band Edge (LBE) Emissions LTE Band 5

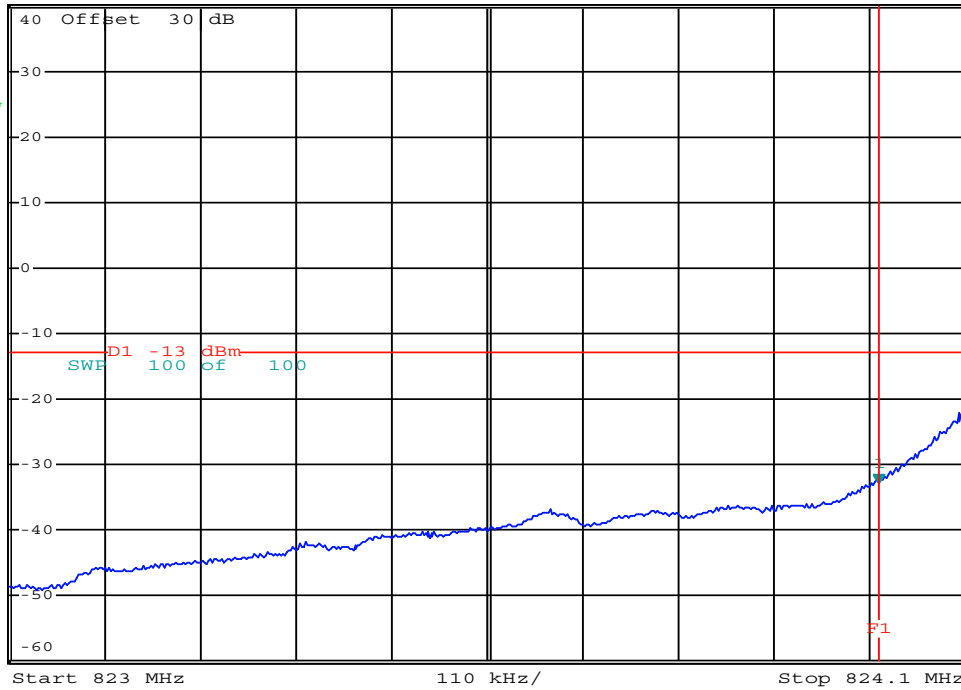


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.71 dBm
 *SWT 50 ms 824.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 15:44:58

Channel Frequency (MHz): 824.7	Channel Bandwidth (MHz): 1.4
EARFCN: 20407	Resource Blocks (RB): 6
RB Offset: 0	Modulation: 64QAM

Band Edge Emission (dBm): **-32.71**

Lower Band Edge (LBE) Emissions LTE Band 5

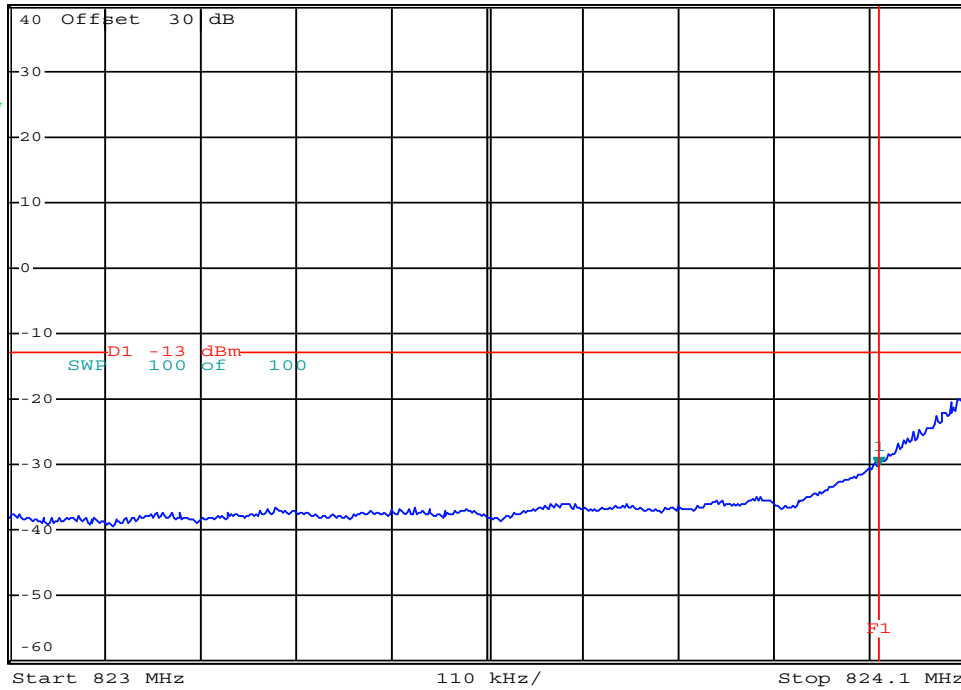


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -30.17 dBm
 *SWT 50 ms 824.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 15:56:09

Channel Frequency (MHz): **825.5**

Channel Bandwidth (MHz): **3.0**

EARFCN: **20415**

Resource Blocks (RB): **15**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-30.17**

Lower Band Edge (LBE) Emissions LTE Band 5

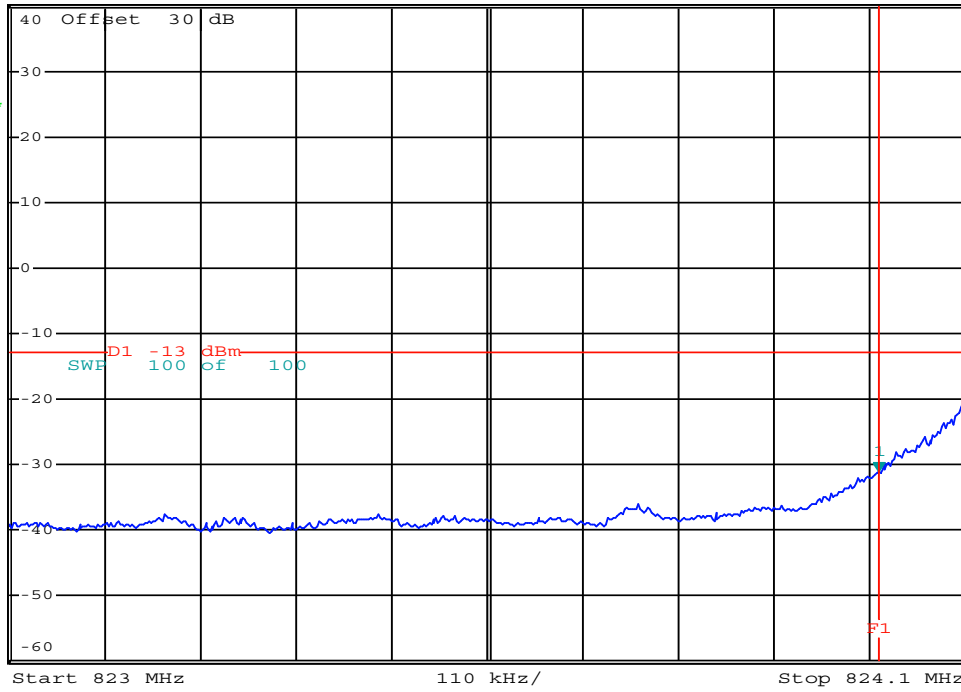


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -30.97 dBm
 *SWT 50 ms 824.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW

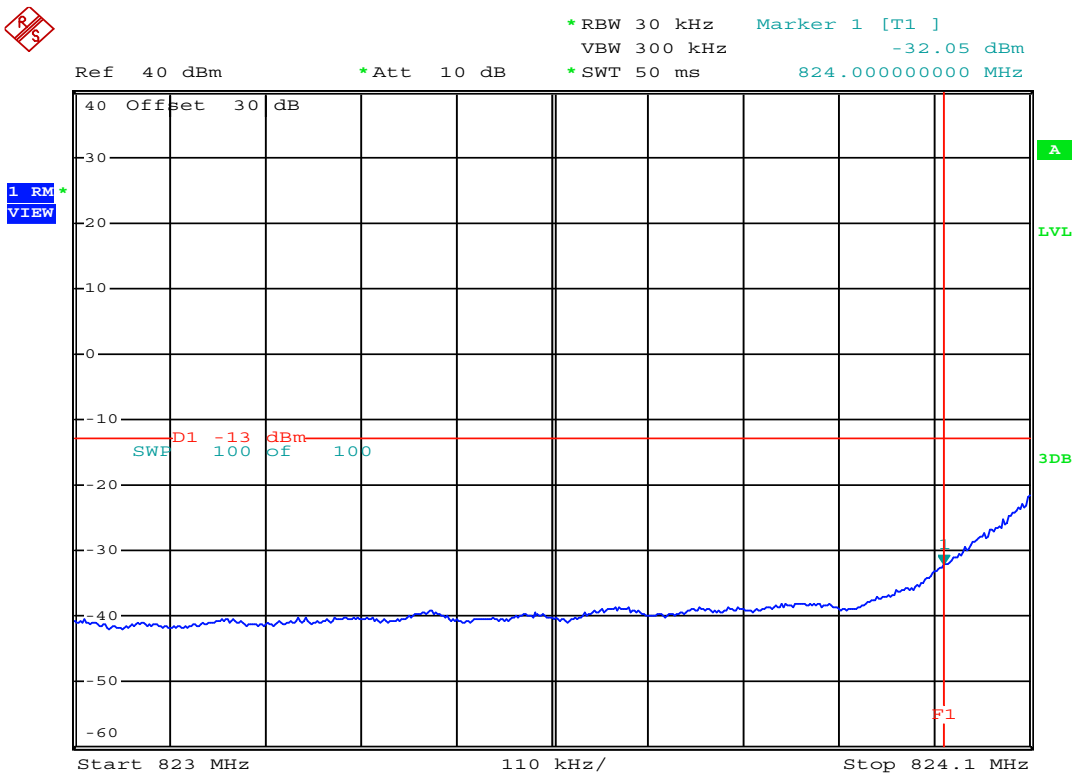


Date: 22.APR.2021 15:55:06

Channel Frequency (MHz):	825.5	Channel Bandwidth (MHz):	3.0
EARFCN:	20415	Resource Blocks (RB):	15
RB Offset:	0	Modulation:	16QAM

Band Edge Emission (dBm): **-30.97**

Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 15:53:49

Channel Frequency (MHz):	825.5	Channel Bandwidth (MHz):	3.0	Band Edge Emission (dBm): -32.05
EARFCN:	20415	Resource Blocks (RB):	15	
RB Offset:	0	Modulation:	64QAM	

Lower Band Edge (LBE) Emissions LTE Band 5



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -27.21 dBm
 *Att 10 dB
 *SWT 50 ms 824.00000000 MHz

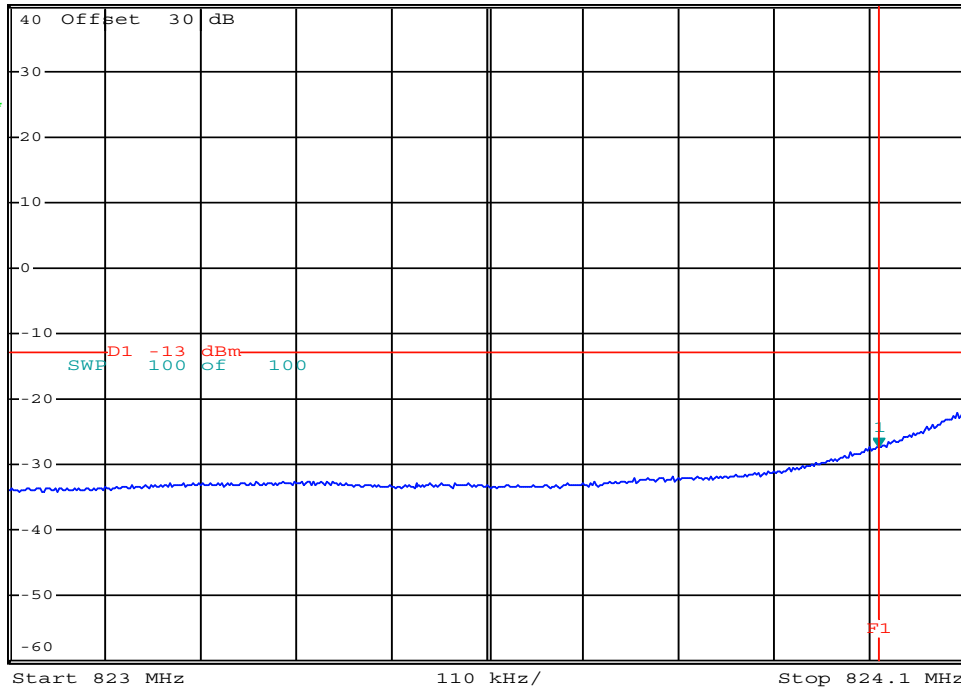
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

824.00000000 MHz

1 RM
 VIEW



Date: 22.APR.2021 15:58:52

Channel Frequency (MHz): **826.5**

Channel Bandwidth (MHz): **5.0**

EARFCN: **20425**

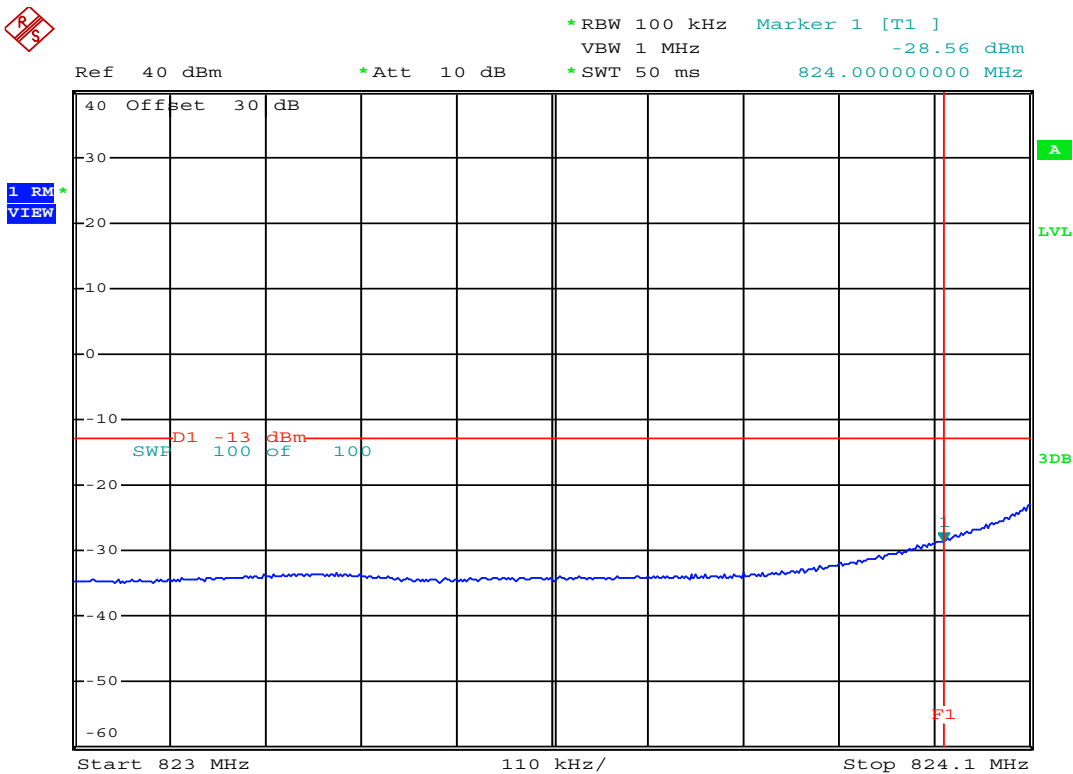
Resource Blocks (RB): **25**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-27.21**

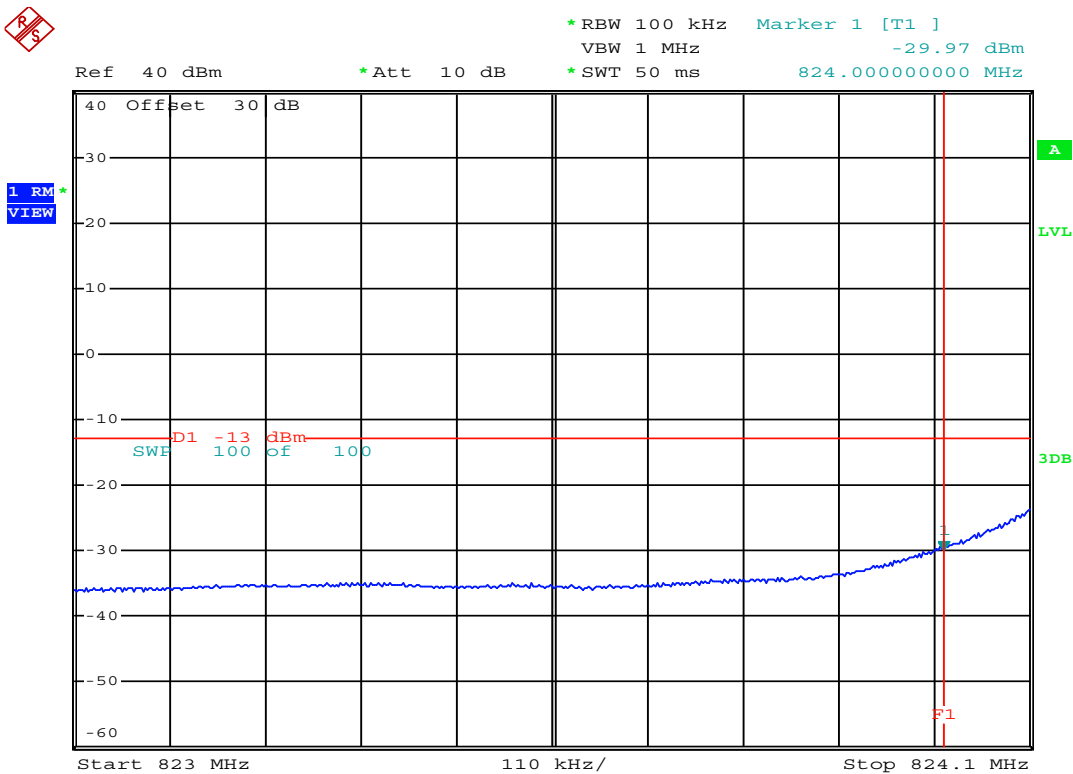
Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 15:59:53

Channel Frequency (MHz): 826.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -28.56
EARFCN: 20425	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 16QAM	

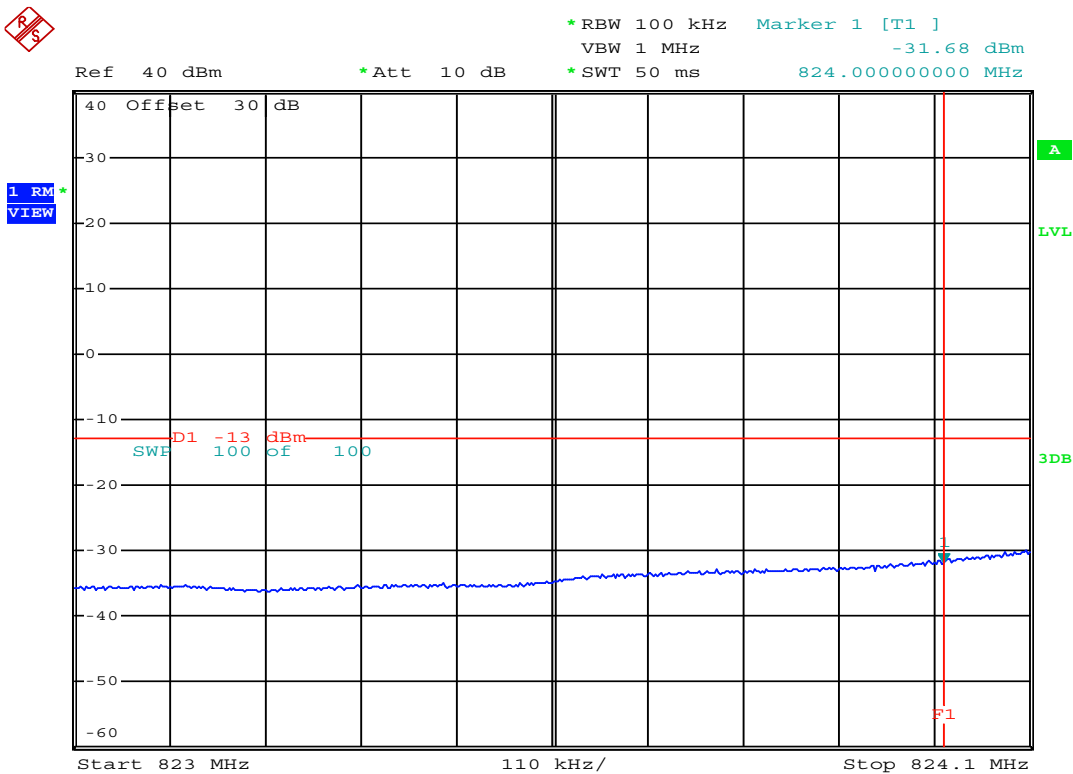
Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 16:01:07

Channel Frequency (MHz):	826.5	Channel Bandwidth (MHz):	5.0	Band Edge Emission (dBm):	-29.97
EARFCN:	20425	Resource Blocks (RB):	25		
RB Offset:	0	Modulation:	64QAM		

Lower Band Edge (LBE) Emissions LTE Band 5



Date: 22.APR.2021 16:06:46

Channel Frequency (MHz):	829.0	Channel Bandwidth (MHz):	10.0	Band Edge Emission (dBm):	-31.68
EARFCN:	20450	Resource Blocks (RB):	50		
RB Offset:	0	Modulation:	QPSK		

Lower Band Edge (LBE) Emissions LTE Band 5

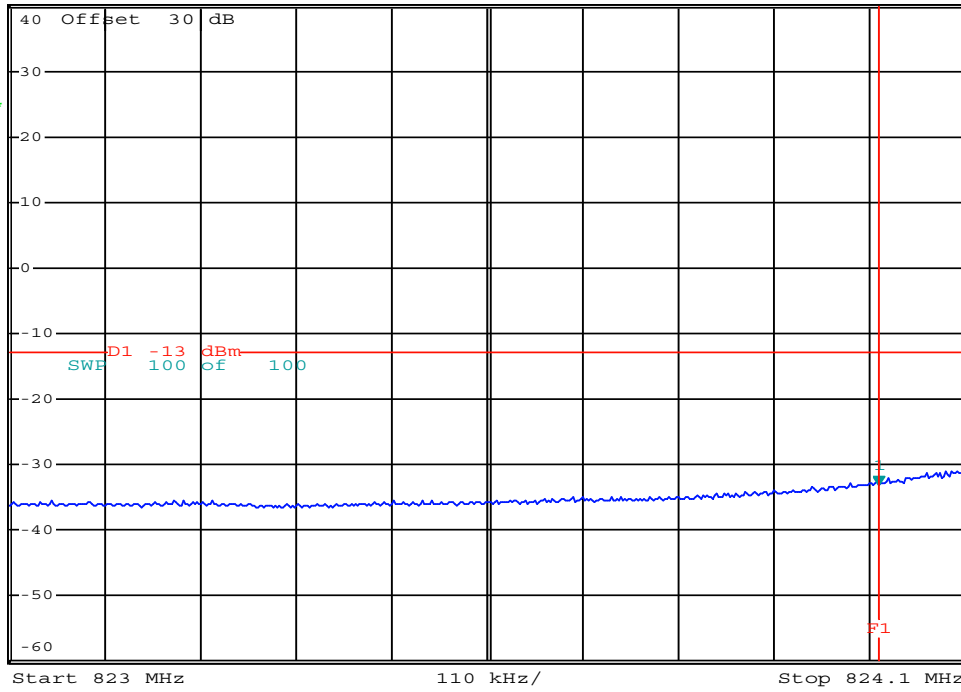


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -33.10 dBm
 *SWT 50 ms 824.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 16:05:56

Channel Frequency (MHz): 829.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -33.1
EARFCN: 20450	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 5

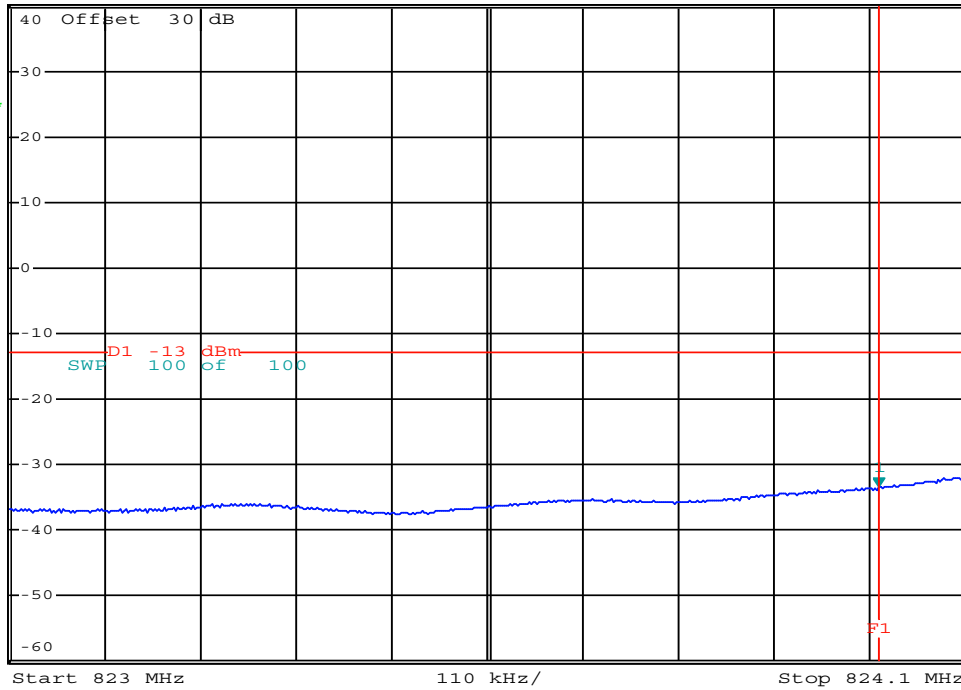


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -33.43 dBm
 *SWT 50 ms 824.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 22.APR.2021 16:04:54

Channel Frequency (MHz): 829.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -33.43
EARFCN: 20450	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 64QAM	

Upper Band Edge Measurement Results

Channel Frequency (MHz)	Nominal Channel BW (MHz)	EARFCN	Resource Blocks	RB Offset	Modulation	Band Edge Emission (dBm)	Limit (dBm)	Margin (dB)
848.3	1.4	20643	1	6	QPSK	-26.59	-13.00	13.6
848.3	1.4	20643	1	6	16QAM	-26.73		13.7
848.3	1.4	20643	1	6	64QAM	-26.88		13.9
848.3	1.4	20643	6	0	QPSK	-32.16		19.2
848.3	1.4	20643	6	0	16QAM	-34.59		21.6
848.3	1.4	20643	6	0	64QAM	-36.45		23.5
847.5	3	20635	15	0	QPSK	-32.32		19.3
847.5	3	20635	15	0	16QAM	-33.80		20.8
847.5	3	20635	15	0	64QAM	-34.62		21.6
846.5	5	20625	25	0	QPSK	-29.15		16.2
846.5	5	20625	25	0	16QAM	-29.85		16.9
846.5	5	20625	25	0	64QAM	-30.89		17.9
844	10	20600	50	0	QPSK	-33.91		20.9
844	10	20600	50	0	16QAM	-35.21		22.2
844	10	20600	50	0	64QAM	-35.38		22.4
								Complies

Margin = Limit - Band Edge Emission

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -26.59 dBm
 *Att 10 dB *SWT 50 ms 849.000000000 MHz

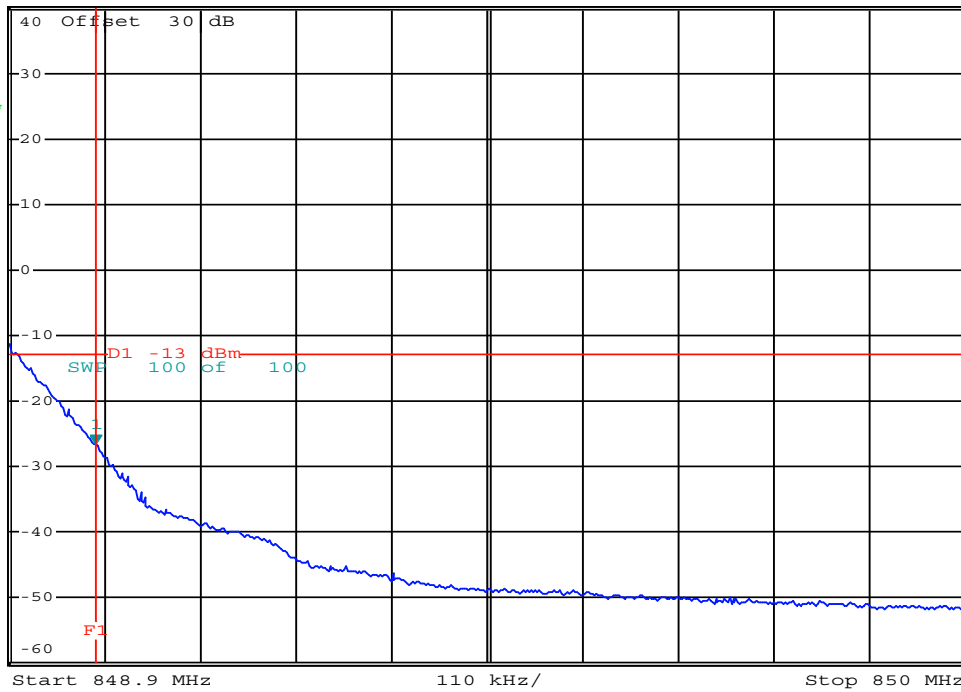
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 10:47:46

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **QPSK**

Band Edge Emission (dBm): **-26.59**

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -26.73 dBm
 *Att 10 dB *SWT 50 ms 849.000000000 MHz

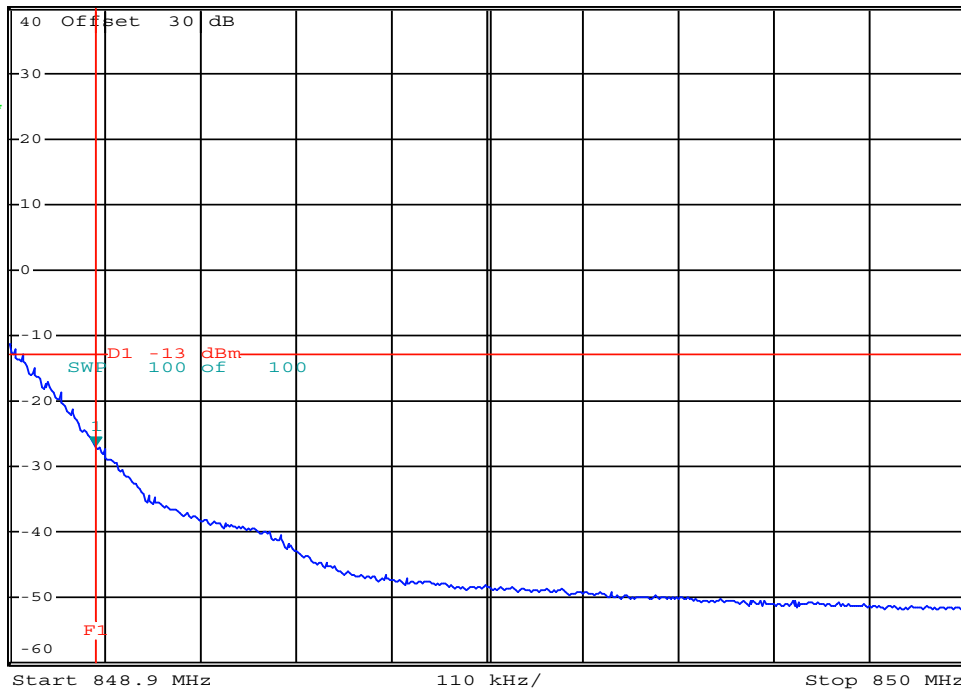
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 10:48:47

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **16QAM**

Band Edge Emission (dBm): **-26.73**

Upper Band Edge (UBE) Emissions LTE Band 5

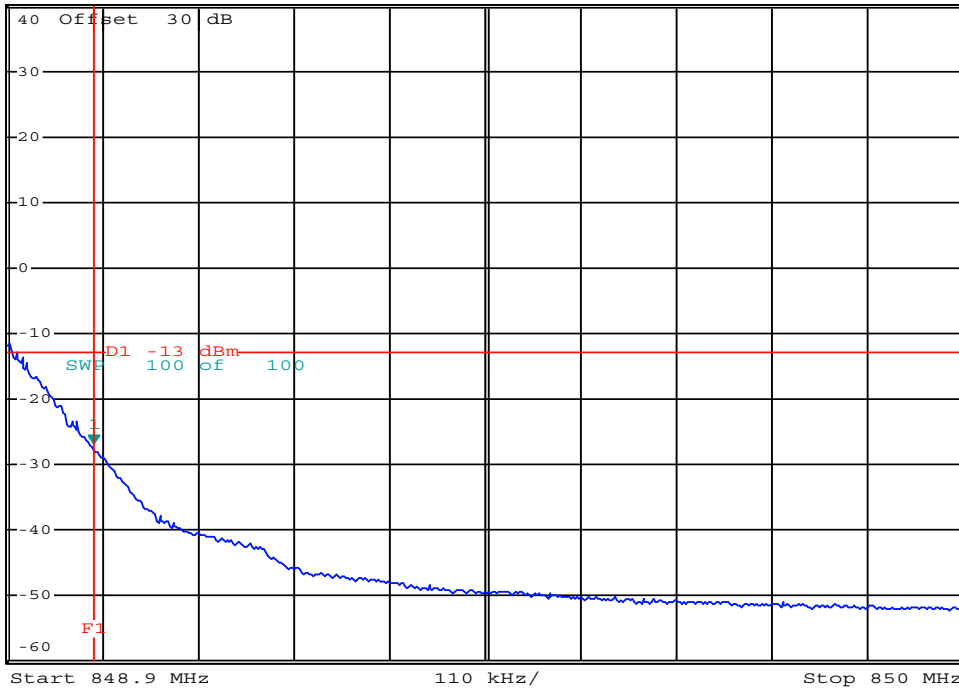


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -26.88 dBm
 *Att 10 dB *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:49:40

Channel Frequency (MHz): 848.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -26.88
EARFCN: 20643	Resource Blocks (RB): 1	
RB Offset: 6	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 5

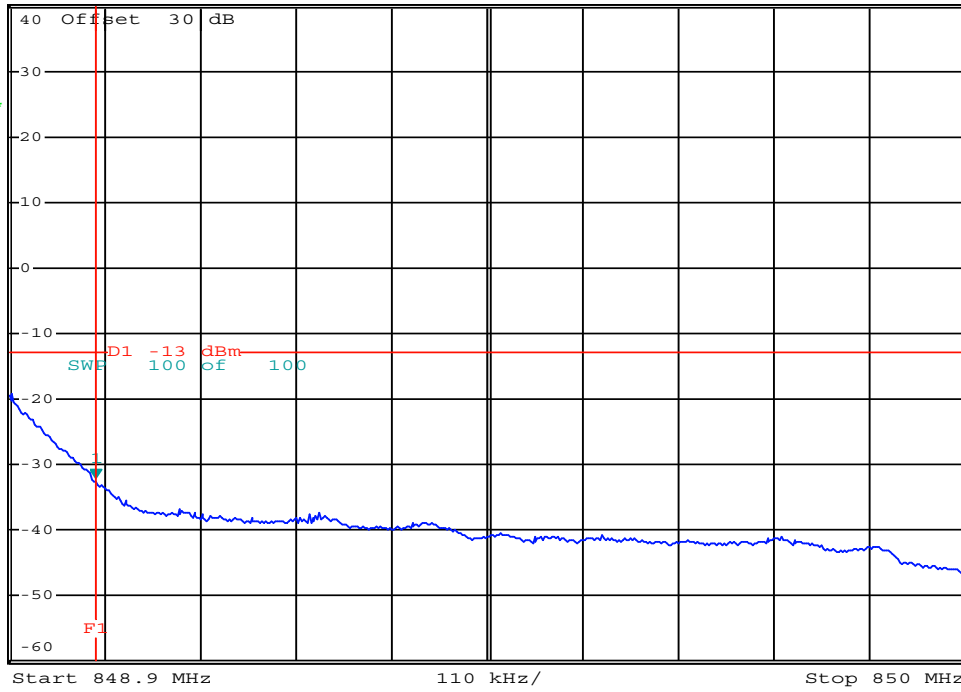


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.16 dBm
 *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:52:56

Channel Frequency (MHz): 848.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -32.16
EARFCN: 20643	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: QPSK	

Upper Band Edge (UBE) Emissions LTE Band 5

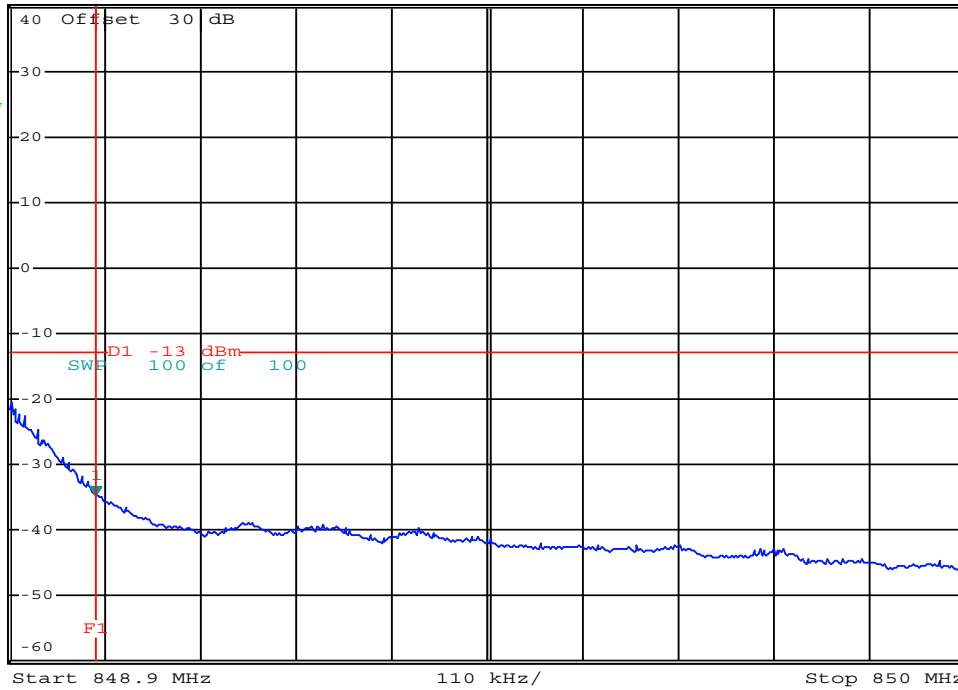


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -34.59 dBm
 *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:52:03

Channel Frequency (MHz): 848.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -34.59
EARFCN: 20643	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: 16QAM	

Upper Band Edge (UBE) Emissions LTE Band 5

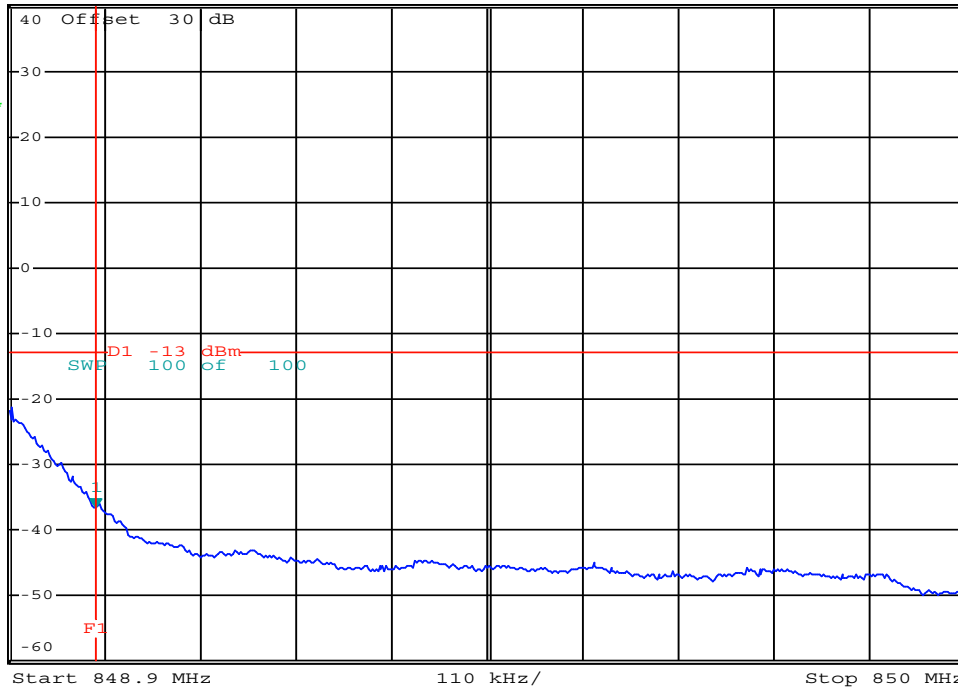


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -36.45 dBm
 *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:50:45

Channel Frequency (MHz): **848.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **20643**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-36.45**

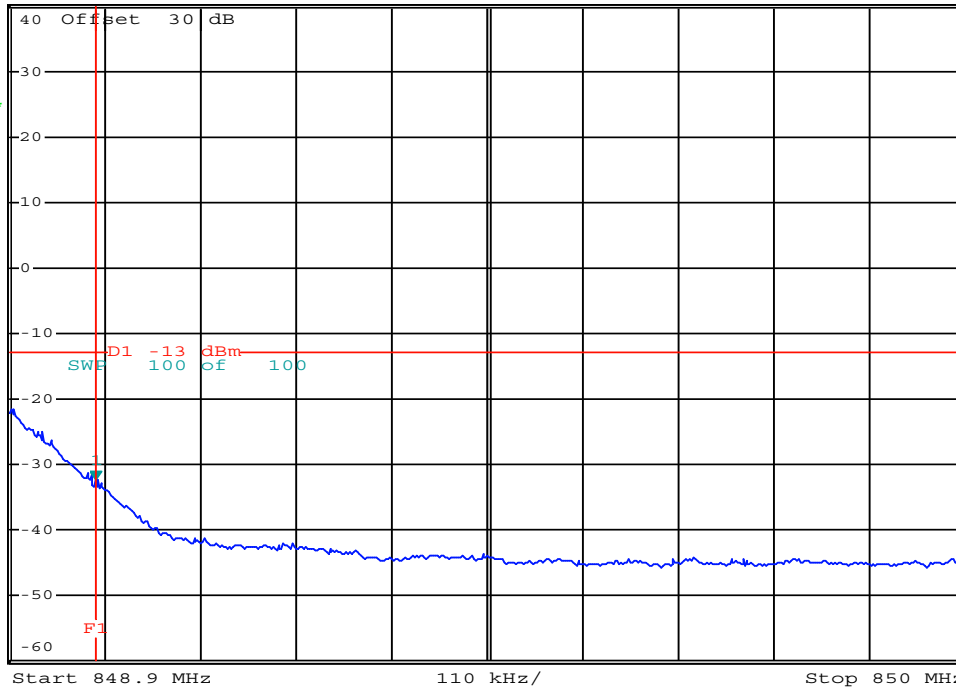
Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.32 dBm
 *Att 10 dB *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

1 RM
 VIEW



Date: 24.APR.2021 10:54:41

Channel Frequency (MHz):	847.5	Channel Bandwidth (MHz):	3.0
EARFCN:	20635	Resource Blocks (RB):	15
RB Offset:	0	Modulation:	QPSK

Band Edge Emission (dBm): **-32.32**

Ref 40 dBm

- *Att 10 dB

* SWT 50 ms

Marker 1 [T1]

-33.80 dBm

849.000000000 MHz

Channel Frequency (MHz): **847.5**Channel Bandwidth (MHz): **3.0**

EARFCN: **20635**

Resource Blocks (RB): **15**

RB Offset: 0

Modulation: **16QAM**

Band Edge Emission (dBm): **-33.8**

Upper Band Edge (UBE) Emissions LTE Band 5

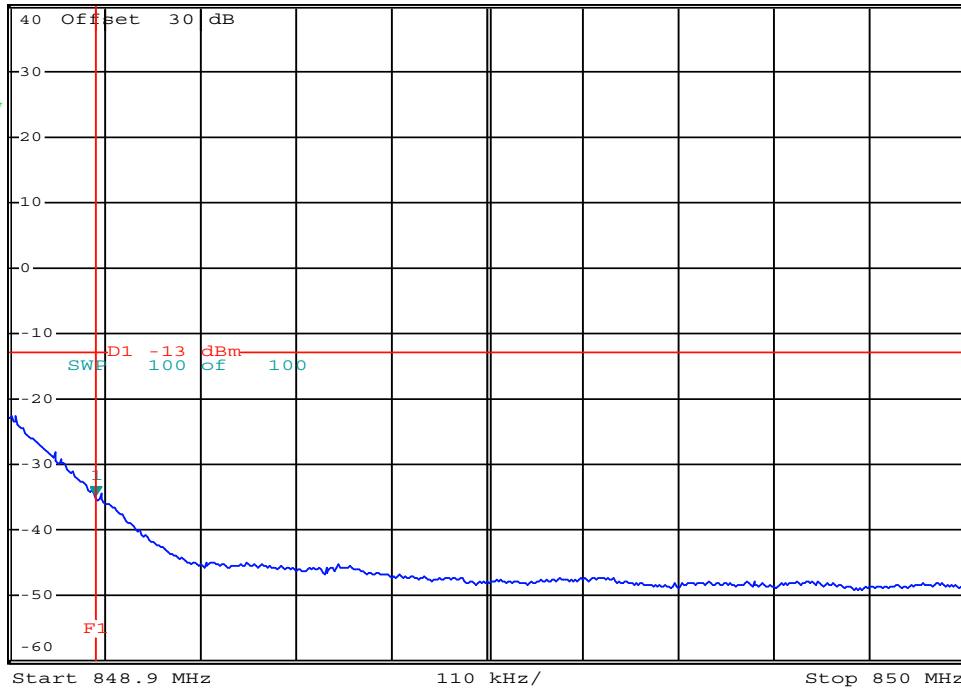


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -34.62 dBm
 *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 10:56:34

Channel Frequency (MHz):	847.5	Channel Bandwidth (MHz):	3.0	Band Edge Emission (dBm): -34.62
EARFCN:	20635	Resource Blocks (RB):	15	
RB Offset:	0	Modulation:	64QAM	

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -29.15 dBm
 *Att 10 dB
 *SWT 50 ms 849.000000000 MHz

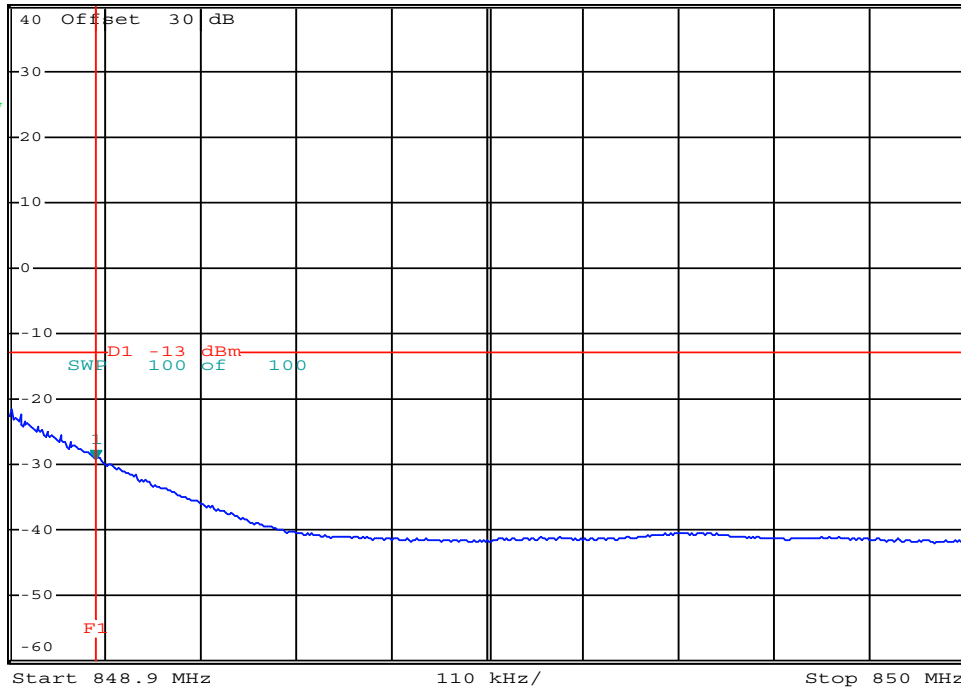
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 11:00:14

Channel Frequency (MHz):	846.5	Channel Bandwidth (MHz):	5.0	Band Edge Emission (dBm):	-29.15
EARFCN:	20625	Resource Blocks (RB):	25		
RB Offset:	0	Modulation:	QPSK		

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -29.85 dBm
 *Att 10 dB
 *SWT 50 ms 849.000000000 MHz

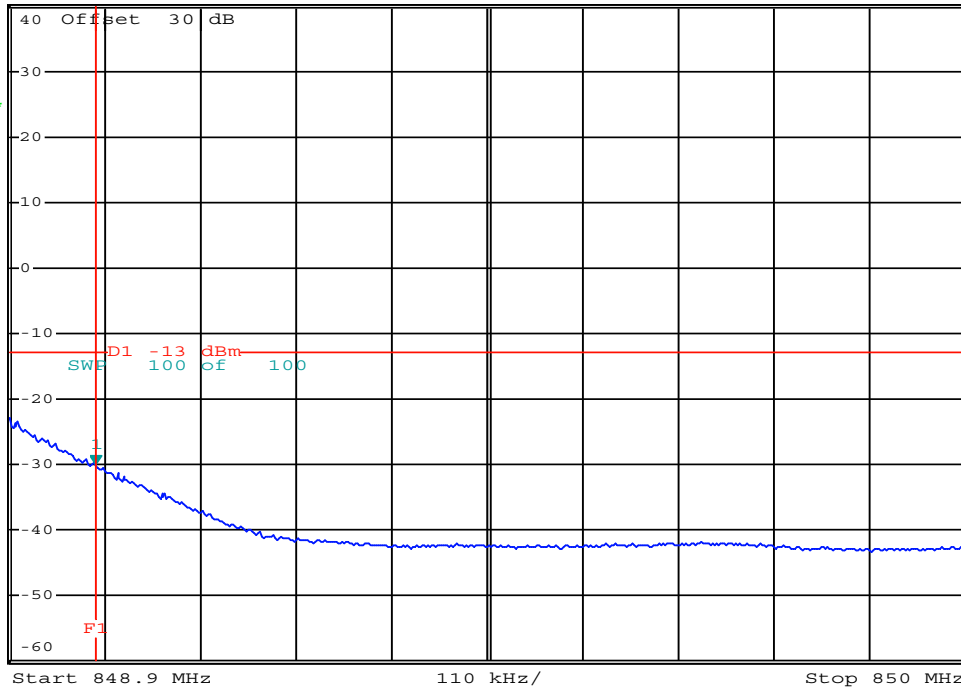
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 10:59:25

Channel Frequency (MHz): **846.5**

Channel Bandwidth (MHz): **5.0**

EARFCN: **20625**

Resource Blocks (RB): **25**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-29.85**

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -30.89 dBm
 *Att 10 dB
 *SWT 50 ms 849.000000000 MHz

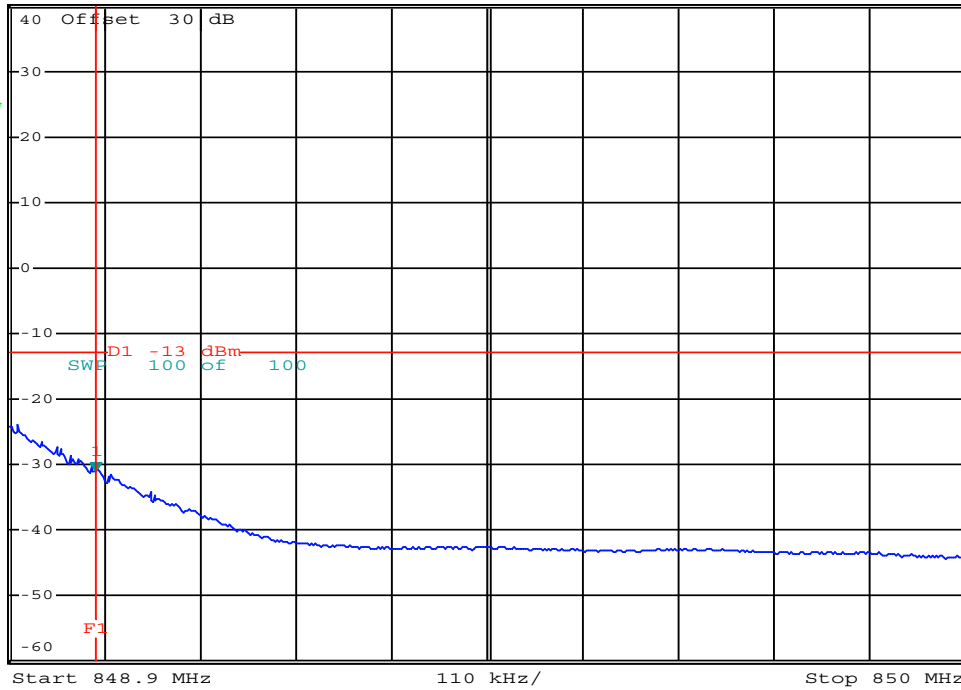
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 10:58:36

Channel Frequency (MHz): **846.5**

Channel Bandwidth (MHz): **5.0**

EARFCN: **20625**

Resource Blocks (RB): **25**

RB Offset: **0**

Modulation: **64QAM**

Band Edge Emission (dBm): **-30.89**

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -33.91 dBm
 *Att 10 dB
 *SWT 50 ms 849.000000000 MHz

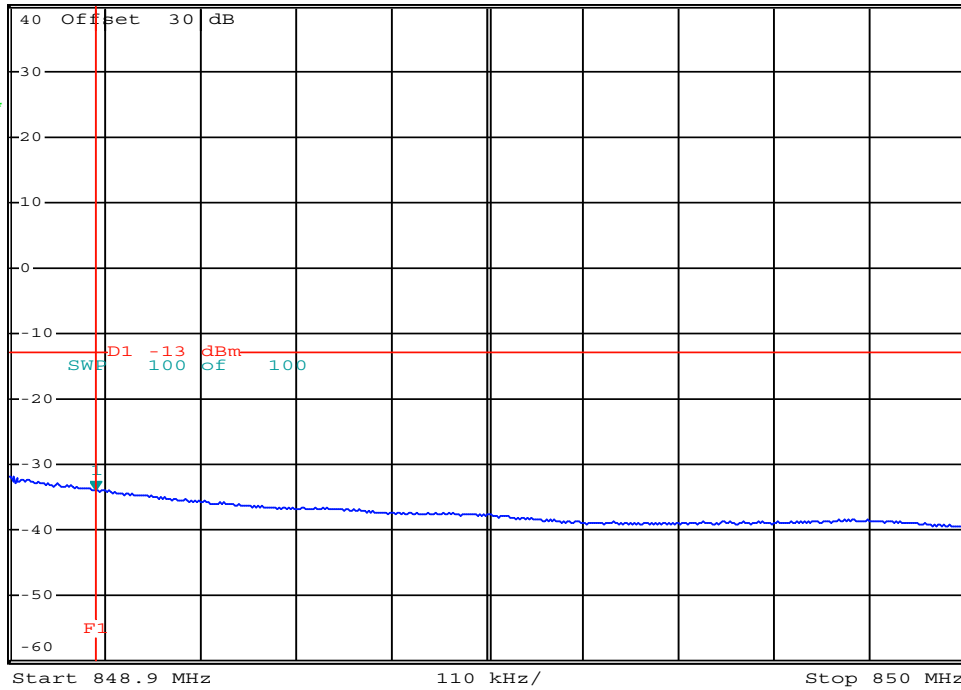
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 11:01:54

Channel Frequency (MHz): **844.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **20600**

Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **QPSK**

Band Edge Emission (dBm): **-33.91**

Upper Band Edge (UBE) Emissions LTE Band 5



*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -35.21 dBm
 *Att 10 dB
 *SWT 50 ms 849.000000000 MHz

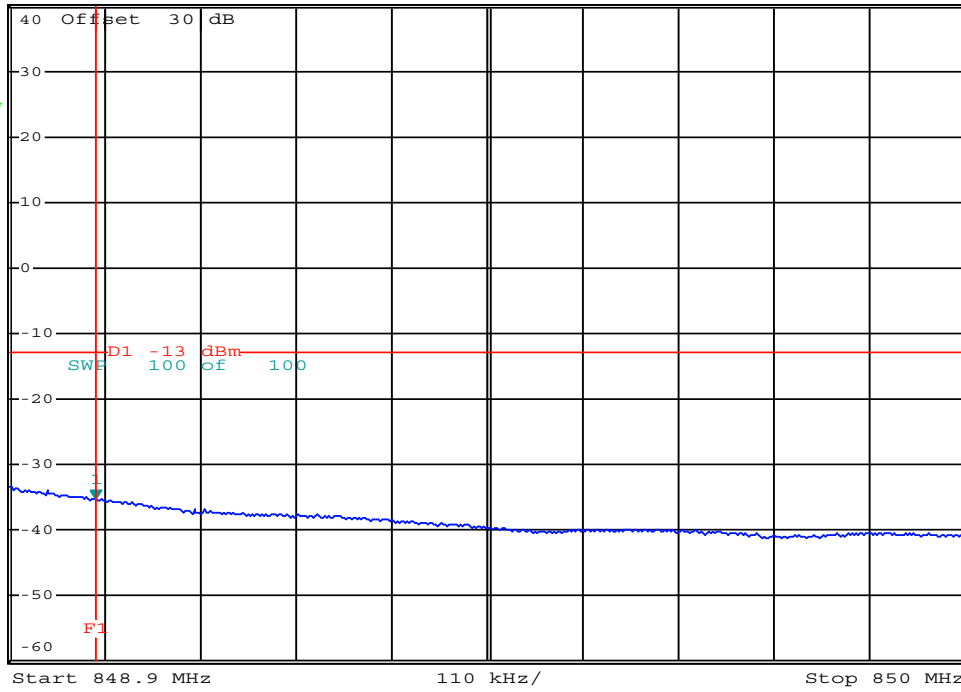
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

849.000000000 MHz

1 RM
 VIEW



Date: 24.APR.2021 11:02:58

Channel Frequency (MHz): 844.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -35.21
EARFCN: 20600	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 16QAM	

Upper Band Edge (UBE) Emissions LTE Band 5

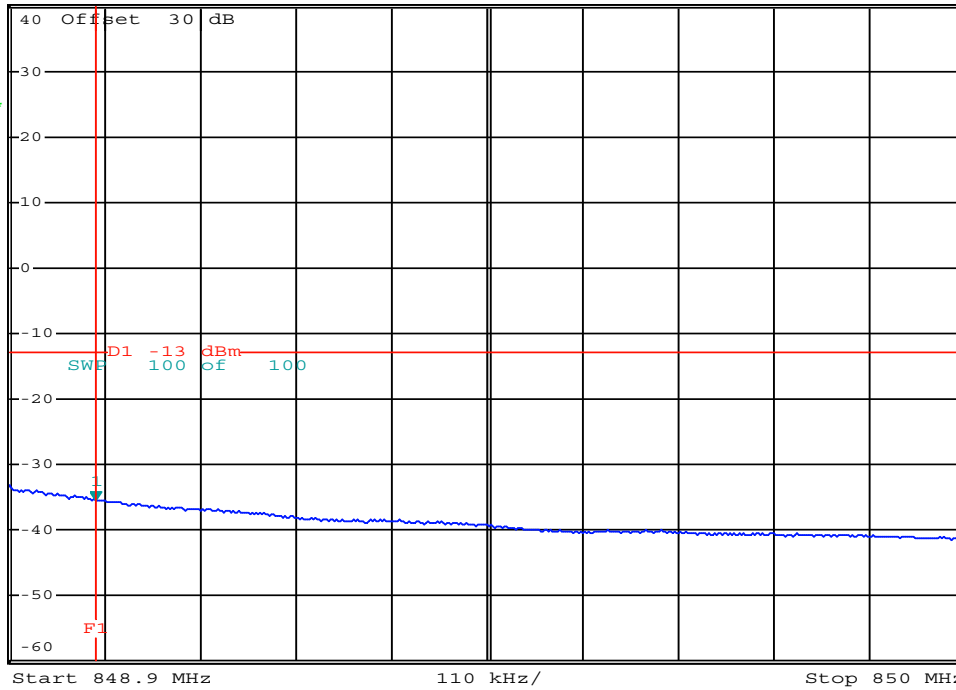


*RBW 100 kHz Marker 1 [T1]
 VBW 1 MHz -35.38 dBm
 *SWT 50 ms 849.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 24.APR.2021 11:03:53

Channel Frequency (MHz): 844.0	Channel Bandwidth (MHz): 10.0
EARFCN: 20600	Resource Blocks (RB): 50
RB Offset: 0	Modulation: 64QAM

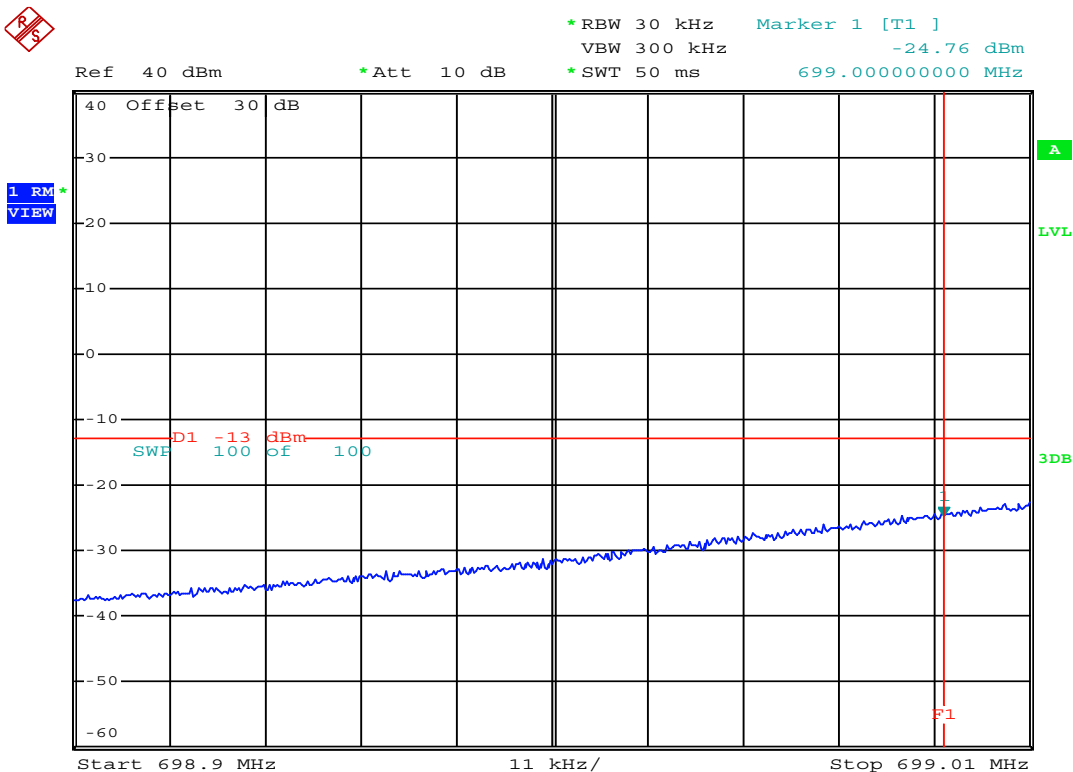
Band Edge Emission (dBm): **-35.38**

Lower Band Edge Measurement Results

Channel Frequency (MHz)	Nominal Channel BW (MHz)	EARFCN	Resource Blocks	RB Offset	Modulation	Band Edge Emission (dBm)	Limit (dBm)	Margin (dB)
699.7	1.4	23017	1	0	QPSK	-24.76	-13.00	11.8
699.7	1.4	23017	1	0	16QAM	-24.32		11.3
699.7	1.4	23017	1	0	64QAM	-26.35		13.4
699.7	1.4	23017	6	0	QPSK	-28.74		15.7
699.7	1.4	23017	6	0	16QAM	-29.45		16.5
699.7	1.4	23017	6	0	64QAM	-31.46		18.5
700.5	3	23025	15	0	QPSK	-30.50		17.5
700.5	3	23025	15	0	16QAM	-31.14		18.1
700.5	3	23025	15	0	64QAM	-33.68		20.7
701.5	5	23035	25	0	QPSK	-35.55		22.6
701.5	5	23035	25	0	16QAM	-35.11		22.1
701.5	5	23035	25	0	64QAM	-37.86		24.9
704	10	23060	50	0	QPSK	-40.57		27.6
704	10	23060	50	0	16QAM	-39.23		26.2
704	10	23060	50	0	64QAM	-43.61		30.6
								Complies

Margin = Limit - Band Edge Emission

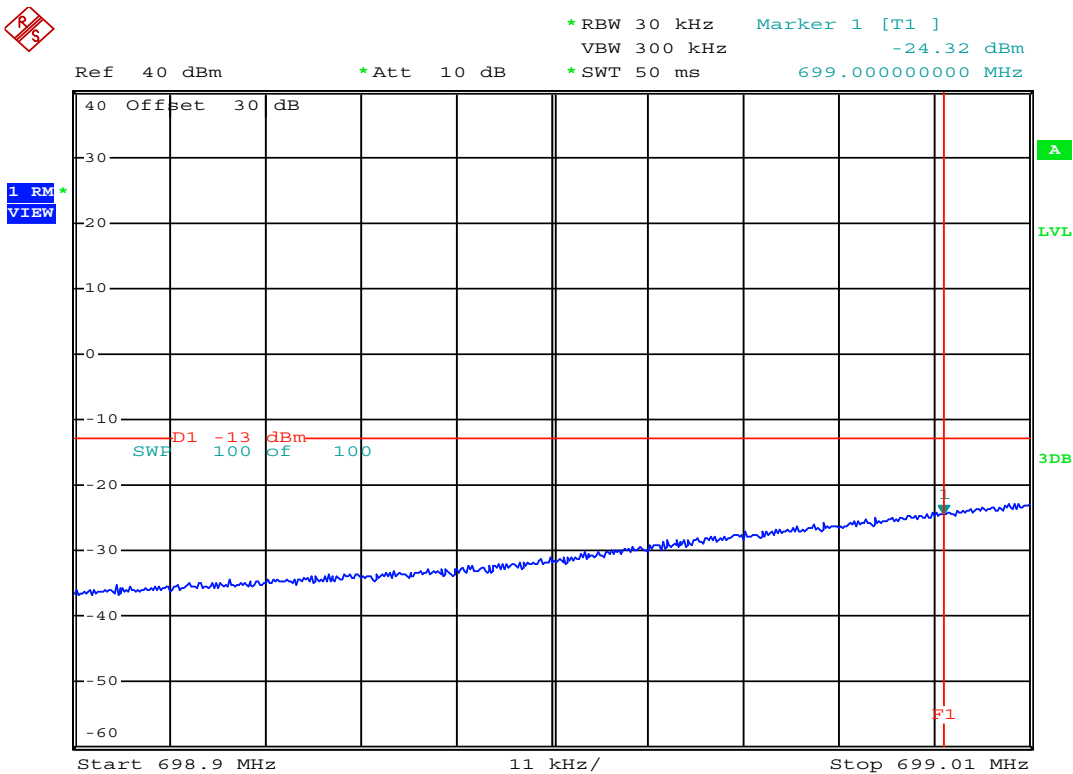
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:34:33

Channel Frequency (MHz): 699.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -24.76
EARFCN: 23017	Resource Blocks (RB): 1	
RB Offset: 0	Modulation: QPSK	

Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:35:26

Channel Frequency (MHz): 699.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -24.32
EARFCN: 23017	Resource Blocks (RB): 1	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 12

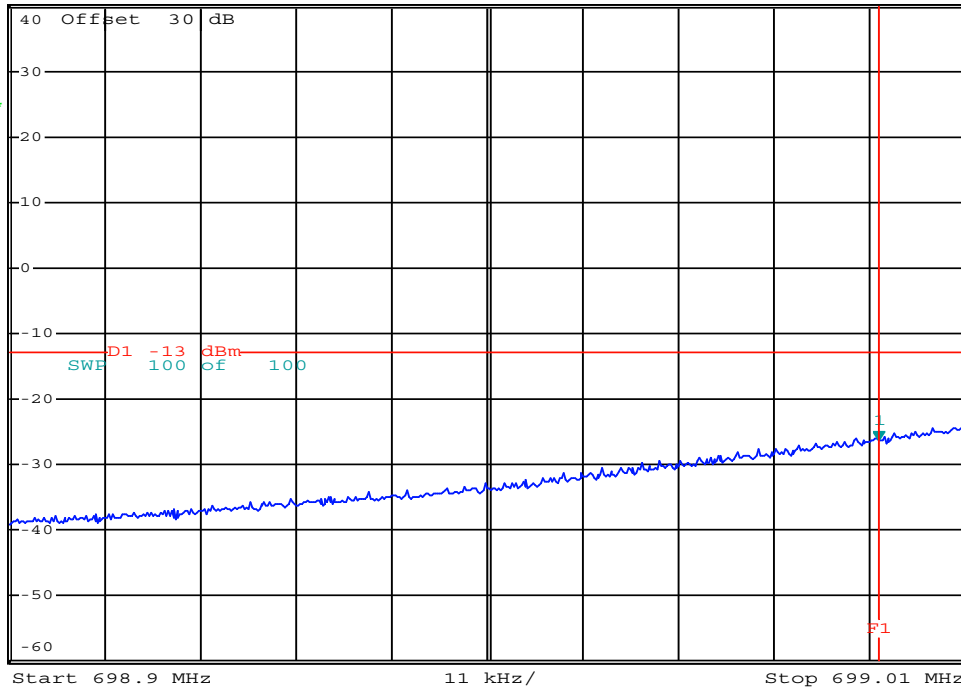


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -26.35 dBm
 *SWT 50 ms 699.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:36:20

Channel Frequency (MHz): 699.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -26.35
EARFCN: 23017	Resource Blocks (RB): 1	
RB Offset: 0	Modulation: 64QAM	

Lower Band Edge (LBE) Emissions LTE Band 12

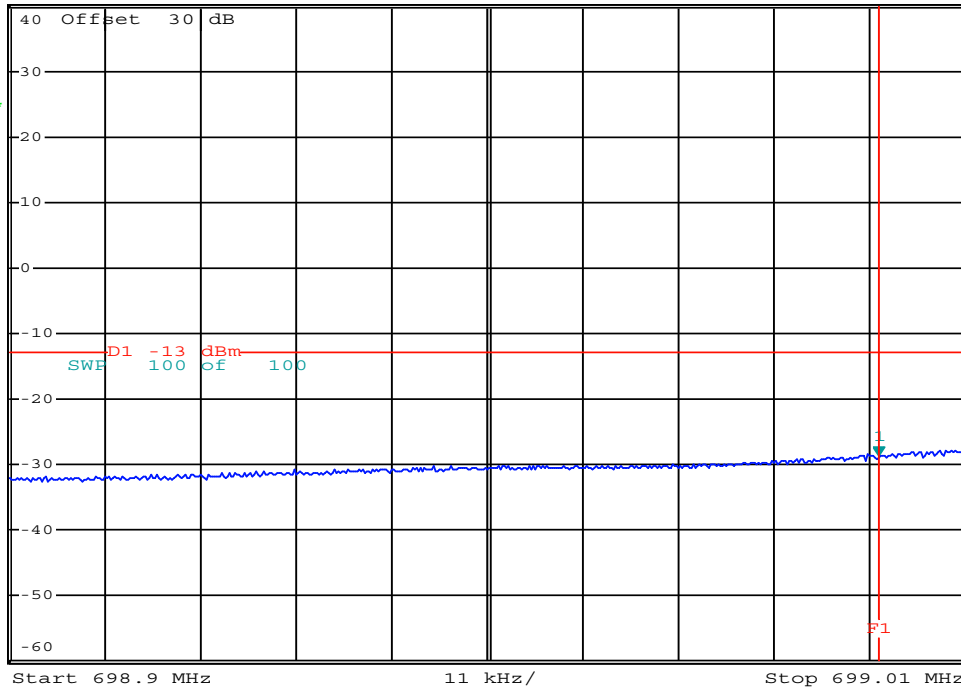


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -28.74 dBm
 *SWT 50 ms 699.000000000 MHz

Ref 40 dBm

*Att 10 dB

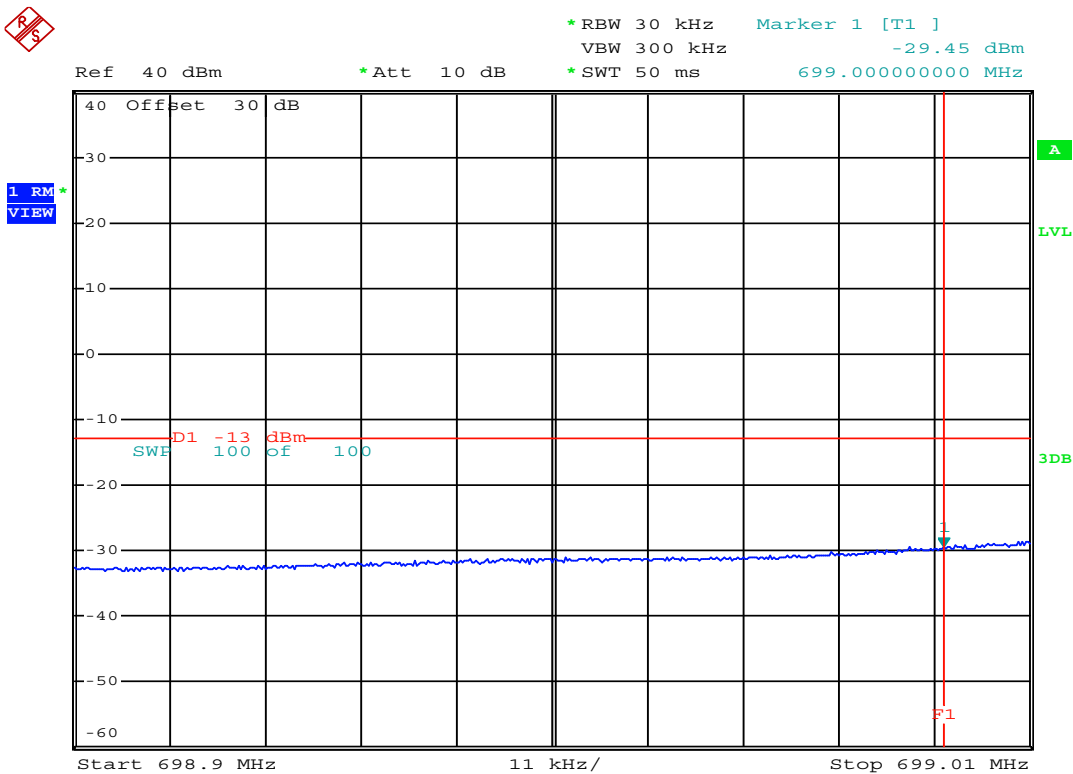
1 RM
 VIEW



Date: 25.APR.2021 04:40:09

Channel Frequency (MHz): 699.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -28.74
EARFCN: 23017	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: QPSK	

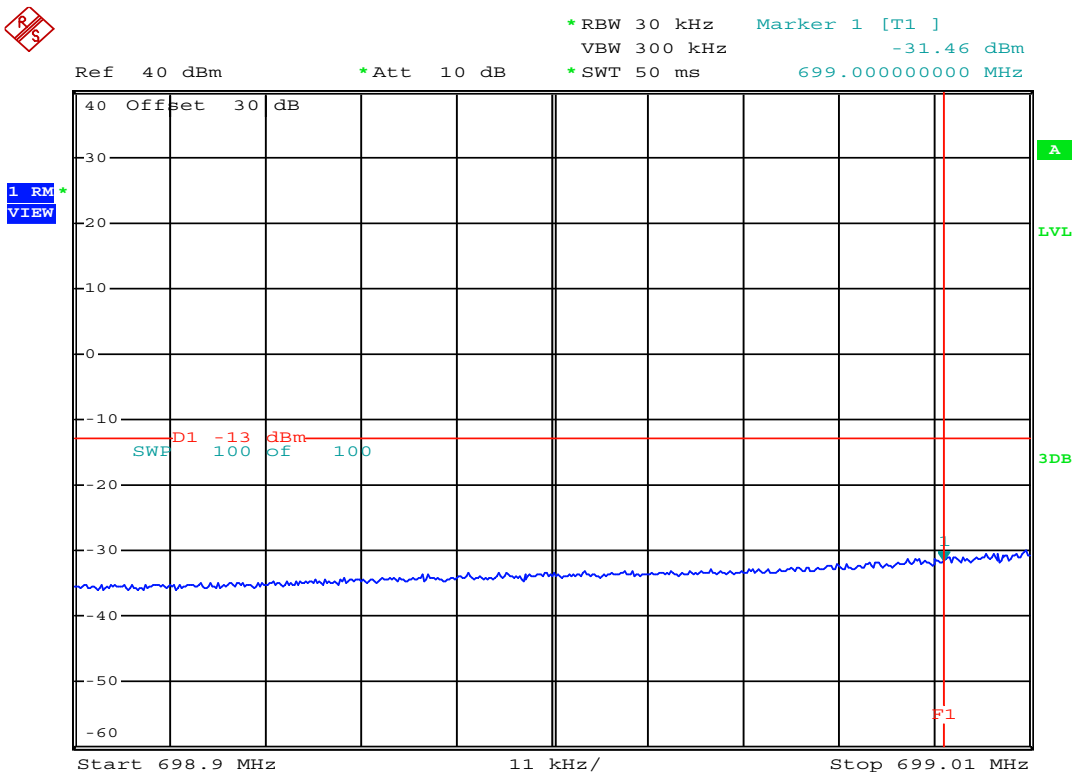
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:39:12

Channel Frequency (MHz): 699.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -29.45
EARFCN: 23017	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: 16QAM	

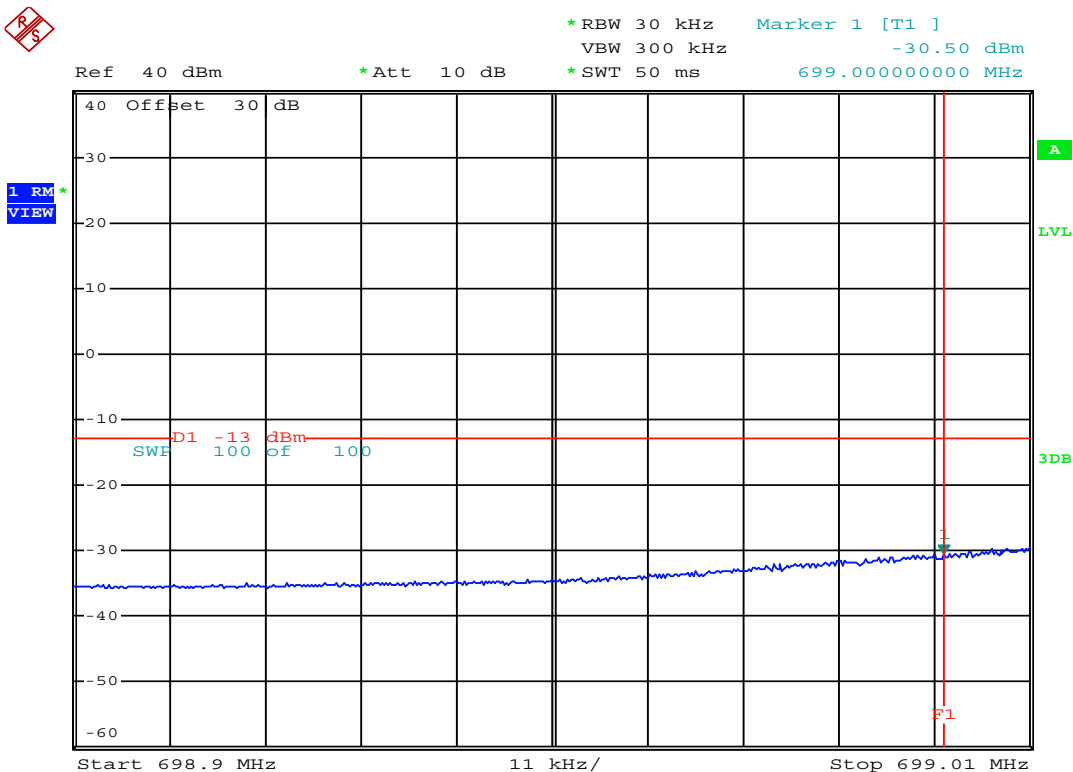
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:38:21

Channel Frequency (MHz): 699.7	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -31.46
EARFCN: 23017	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: 64QAM	

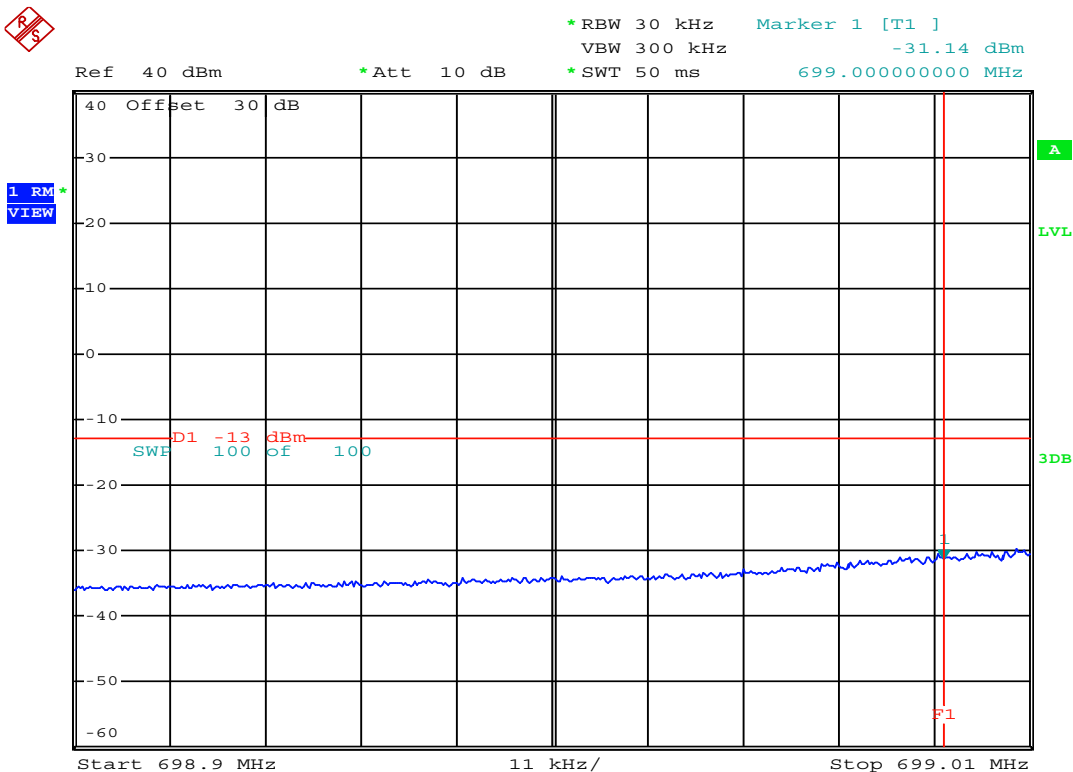
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:41:25

Channel Frequency (MHz): 700.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -30.5
EARFCN: 23025	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: QPSK	

Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:42:33

Channel Frequency (MHz): 700.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -31.14
EARFCN: 23025	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 12

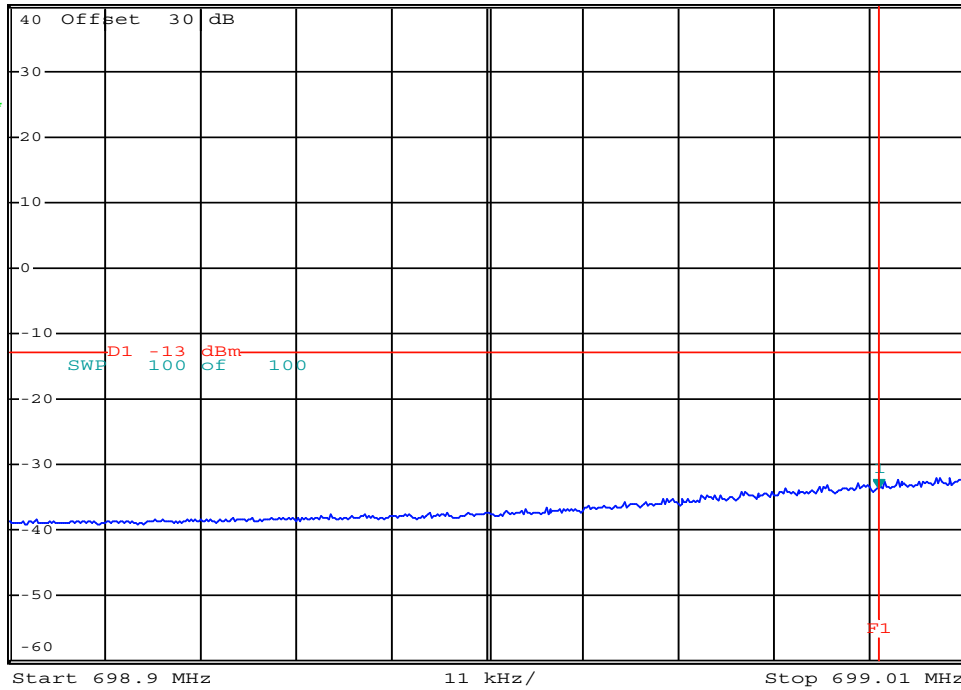


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -33.68 dBm
 *SWT 50 ms 699.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW

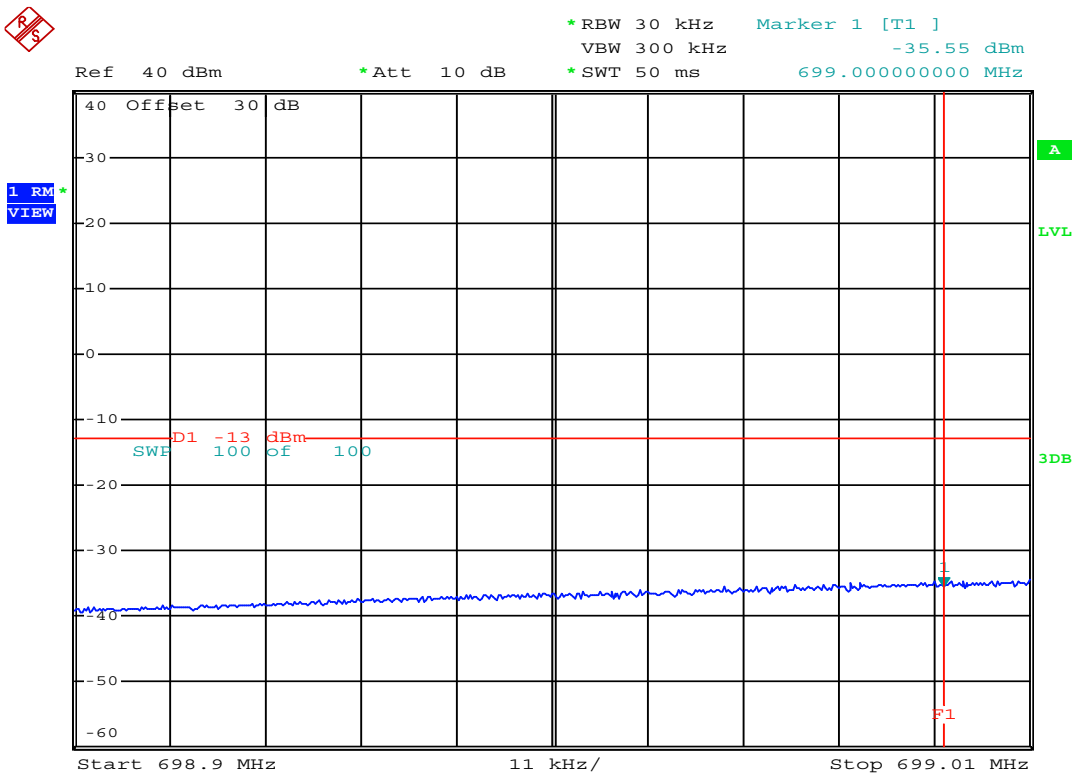


Date: 25.APR.2021 04:43:34

Channel Frequency (MHz): 700.5	Channel Bandwidth (MHz): 3.0
EARFCN: 23025	Resource Blocks (RB): 15
RB Offset: 0	Modulation: 64QAM

Band Edge Emission (dBm): **-33.68**

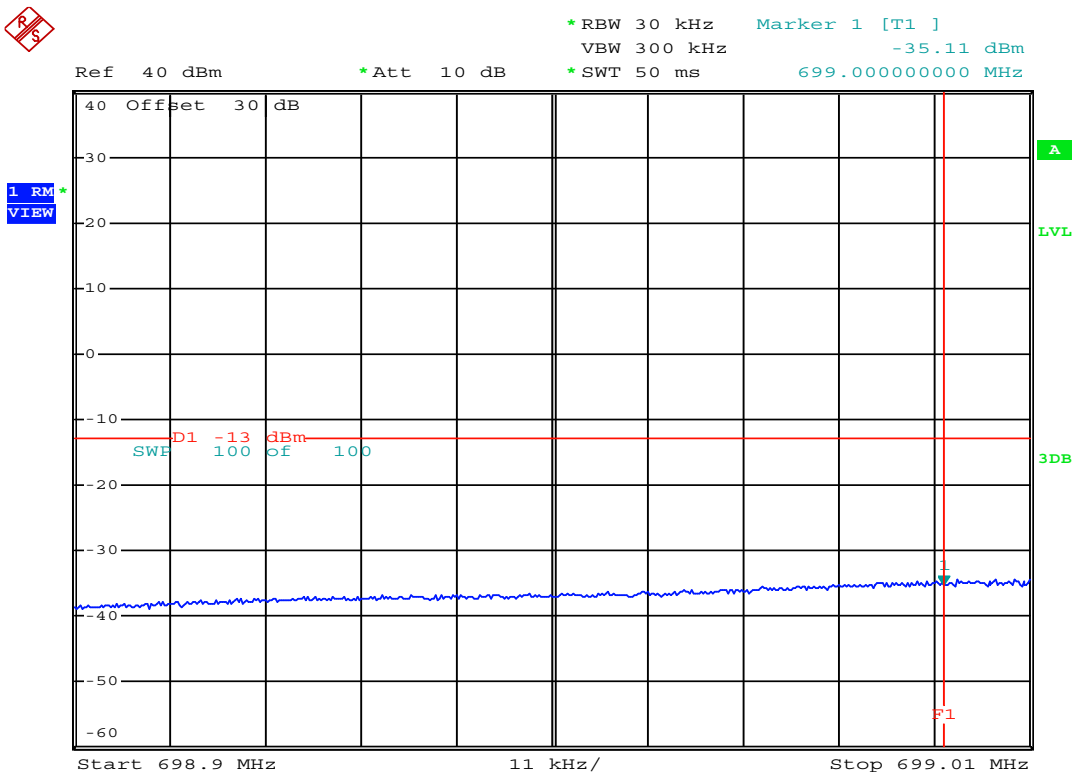
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:46:57

Channel Frequency (MHz):	701.5	Channel Bandwidth (MHz):	5.0	Band Edge Emission (dBm): -35.55
EARFCN:	23035	Resource Blocks (RB):	25	
RB Offset:	0	Modulation:	QPSK	

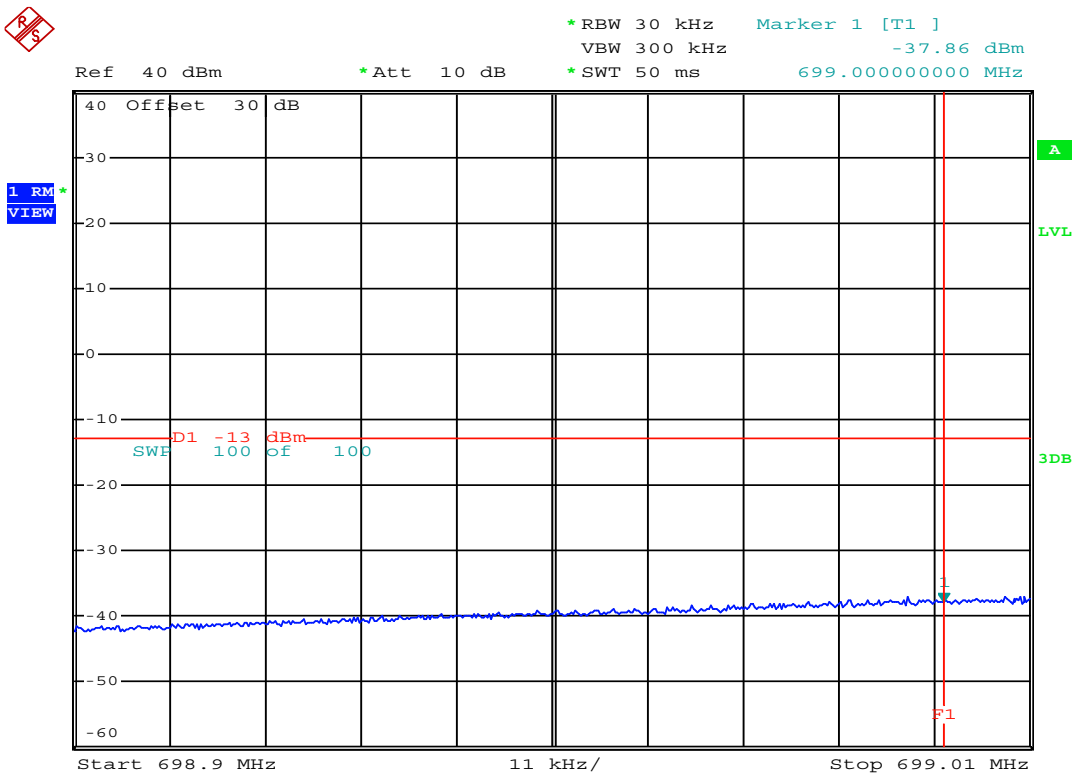
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:46:04

Channel Frequency (MHz): 701.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -35.11
EARFCN: 23035	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 16QAM	

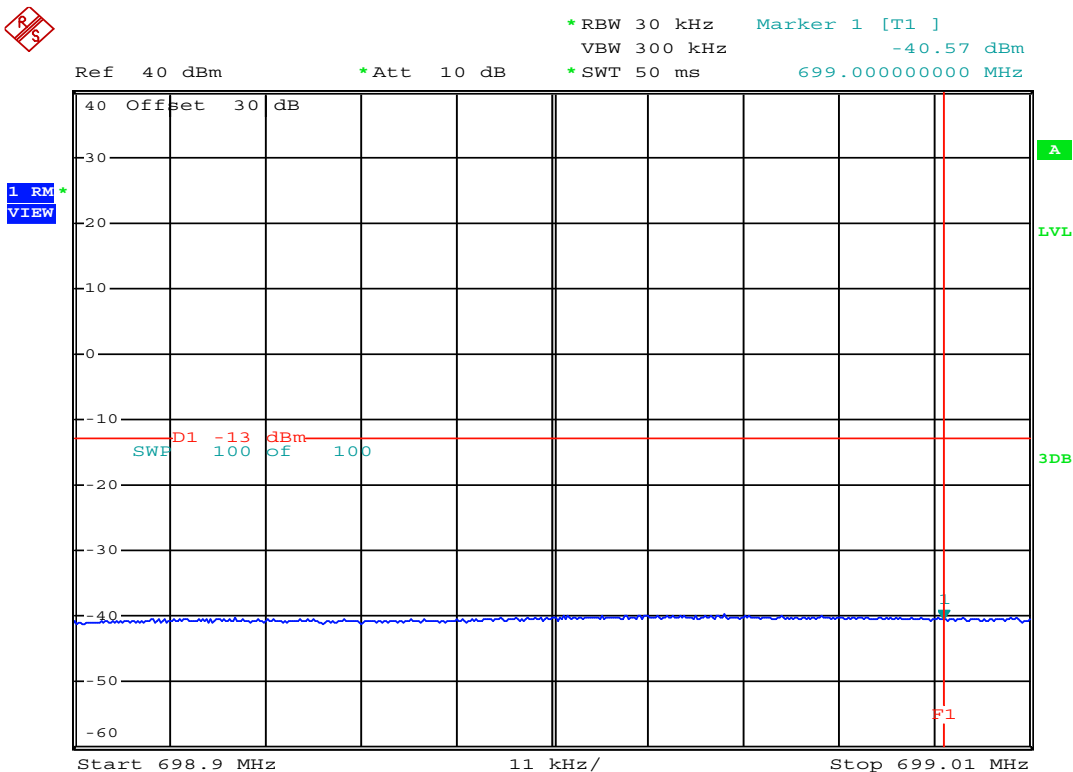
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:45:10

Channel Frequency (MHz): 701.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -37.86
EARFCN: 23035	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 64QAM	

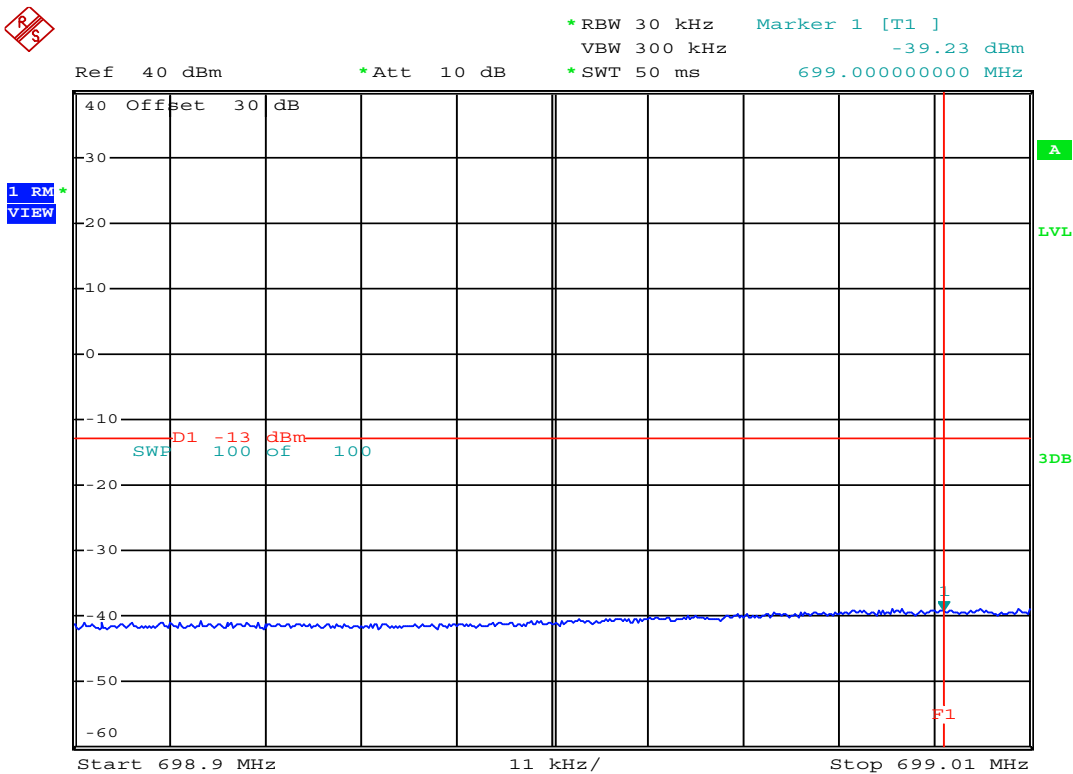
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:48:31

Channel Frequency (MHz): 704.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -40.57
EARFCN: 23060	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: QPSK	

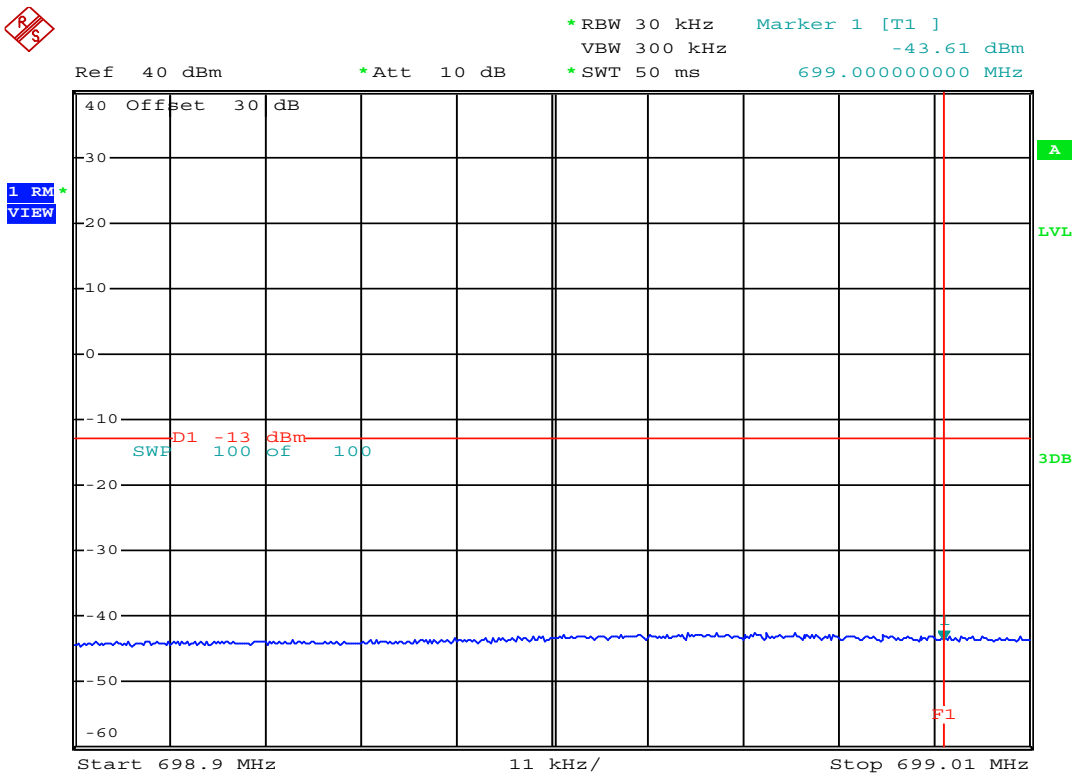
Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:49:27

Channel Frequency (MHz): 704.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -39.23
EARFCN: 23060	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: 16QAM	

Lower Band Edge (LBE) Emissions LTE Band 12



Date: 25.APR.2021 04:50:27

Channel Frequency (MHz):	704.0	Channel Bandwidth (MHz):	10.0	Band Edge Emission (dBm):	-43.61
EARFCN:	23060	Resource Blocks (RB):	50		
RB Offset:	0	Modulation:	64QAM		

Lower Band Edge Measurement Results

Channel Frequency (MHz)	Nominal Channel BW (MHz)	EARFCN	Resource Blocks	RB Offset	Modulation	Band Edge Emission (dBm)	Limit (dBm)	Margin (dB)
715.3	1.4	23173	1	6	QPSK	-23.37	-13.00	10.4
715.3	1.4	23173	1	6	16QAM	-24.55		11.6
715.3	1.4	23173	1	6	64QAM	-27.31		14.3
715.3	1.4	23173	6	0	QPSK	-30.21		17.2
715.3	1.4	23173	6	0	16QAM	-30.82		17.8
715.3	1.4	23173	6	0	64QAM	-32.17		19.2
714.5	3	23165	15	0	QPSK	-31.95		19.0
714.5	3	23165	15	0	16QAM	-32.97		20.0
714.5	3	23165	15	0	64QAM	-34.17		21.2
713.5	5	23155	25	0	QPSK	-35.36		22.4
713.5	5	23155	25	0	16QAM	-34.96		22.0
713.5	5	23155	25	0	64QAM	-35.21		22.2
711	10	23130	50	0	QPSK	-39.38		26.4
711	10	23130	50	0	16QAM	-39.79		26.8
711	10	23130	50	0	64QAM	-41.78		28.8
								Complies

Margin = Limit - Band Edge Emission

Upper Band Edge (UBE) Emissions LTE Band 12

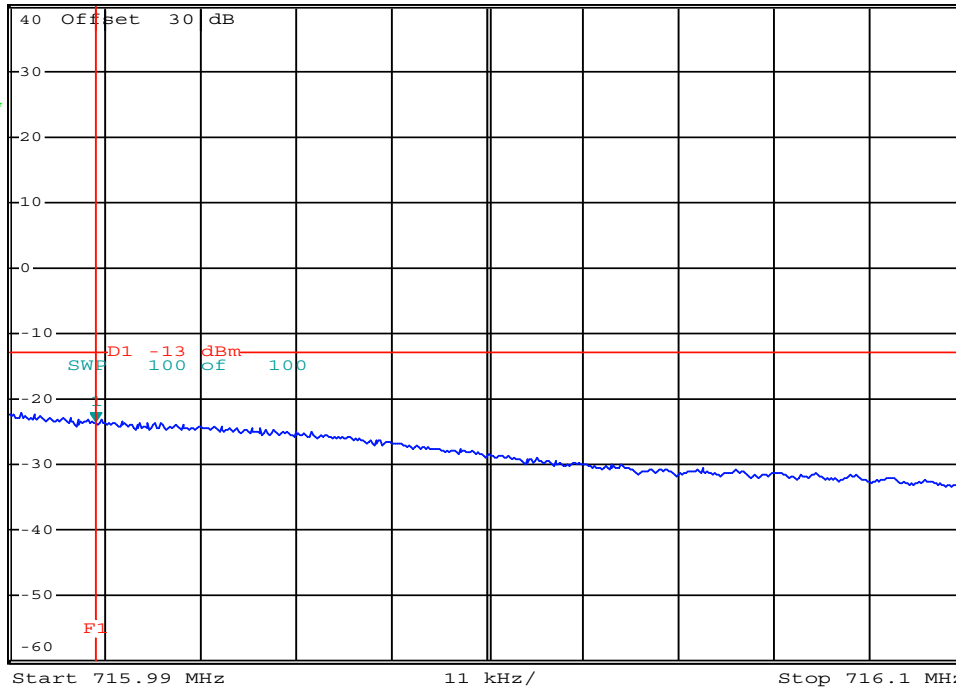


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -23.37 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:02:50

Channel Frequency (MHz): 715.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -23.37
EARFCN: 23173	Resource Blocks (RB): 1	
RB Offset: 6	Modulation: QPSK	

Upper Band Edge (UBE) Emissions LTE Band 12

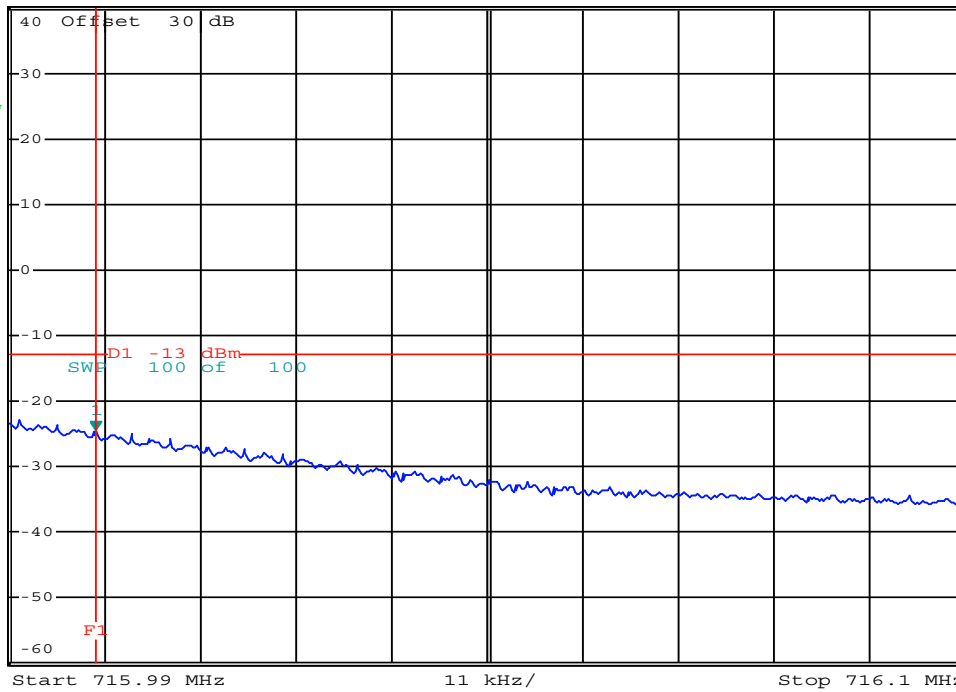


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -24.55 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:01:56

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **1**

RB Offset: **6**

Modulation: **16QAM**

Band Edge Emission (dBm): **-24.55**

Upper Band Edge (UBE) Emissions LTE Band 12

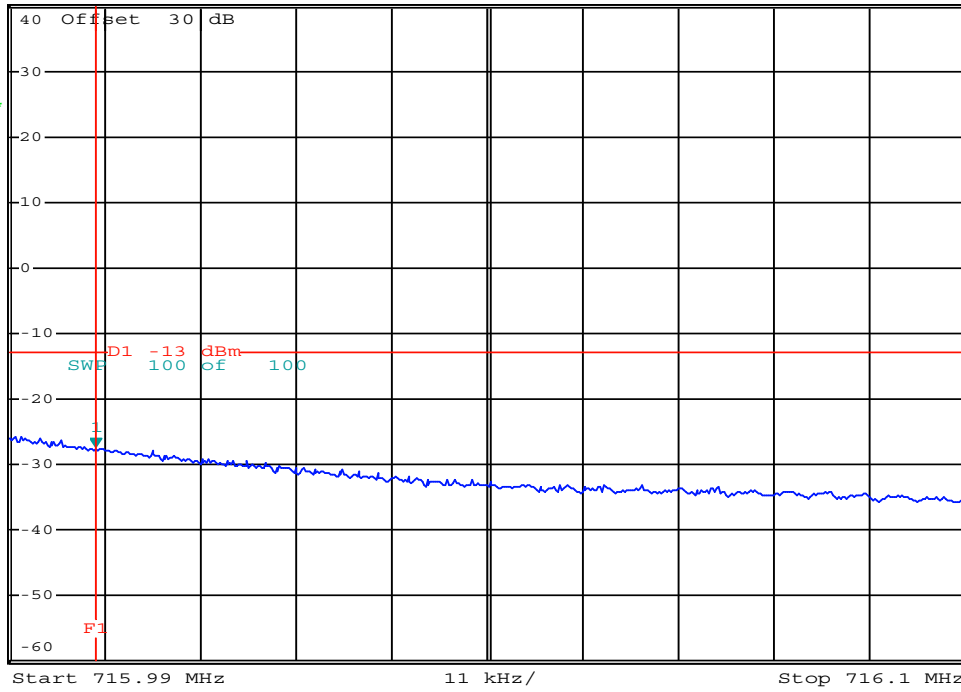


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -27.31 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 03:58:29

Channel Frequency (MHz): 715.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -27.31
EARFCN: 23173	Resource Blocks (RB): 1	
RB Offset: 6	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 12

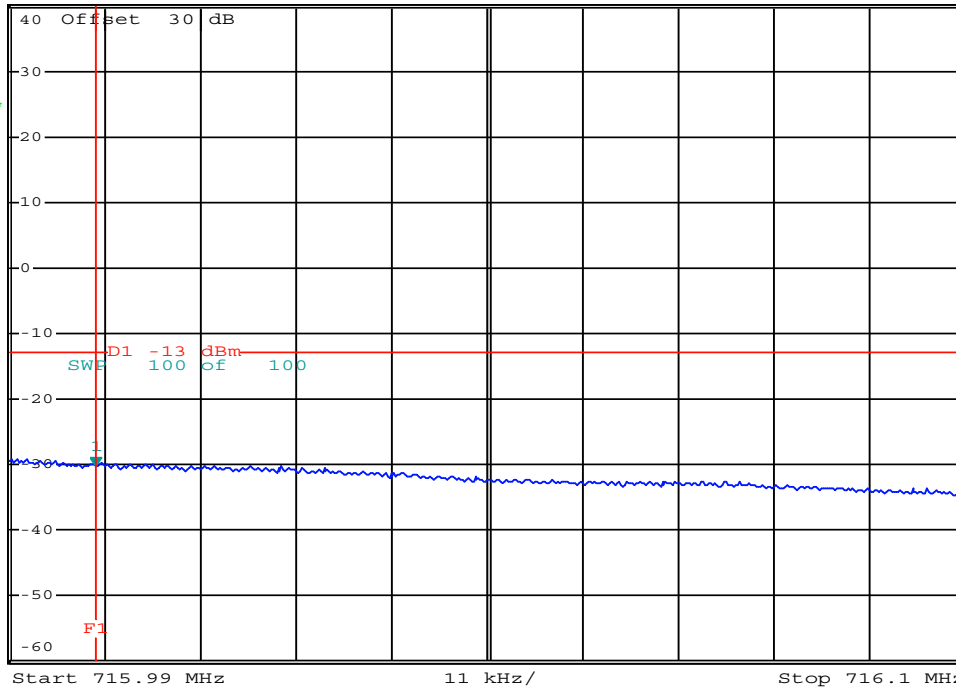


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -30.21 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:03:53

Channel Frequency (MHz): 715.3	Channel Bandwidth (MHz): 1.4	Band Edge Emission (dBm): -30.21
EARFCN: 23173	Resource Blocks (RB): 6	
RB Offset: 0	Modulation: QPSK	

Upper Band Edge (UBE) Emissions LTE Band 12

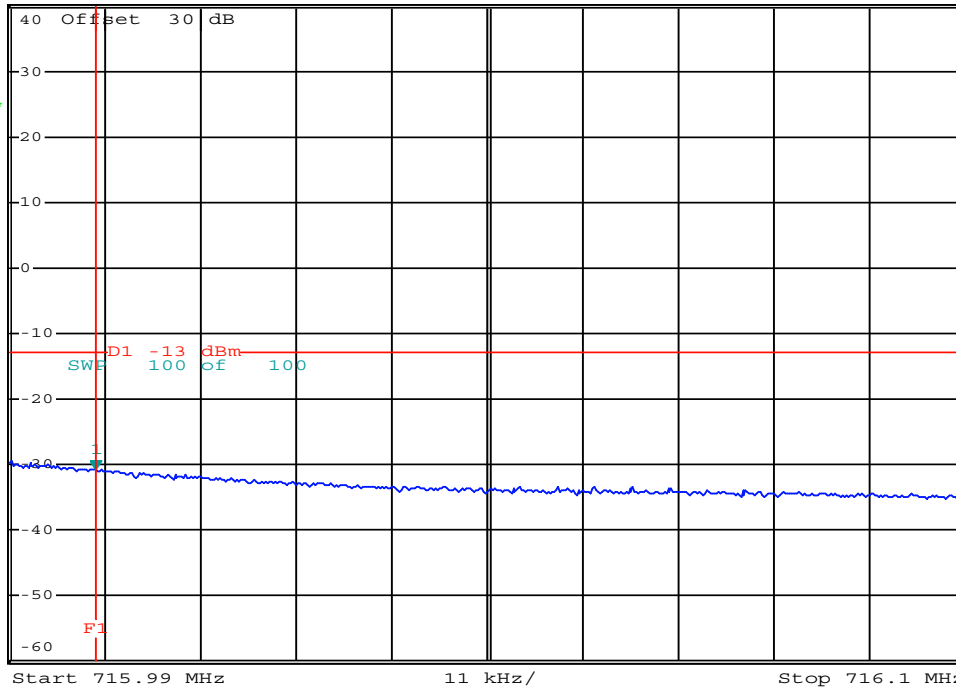


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -30.82 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:04:44

Channel Frequency (MHz): **715.3**

Channel Bandwidth (MHz): **1.4**

EARFCN: **23173**

Resource Blocks (RB): **6**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-30.82**

Upper Band Edge (UBE) Emissions LTE Band 12

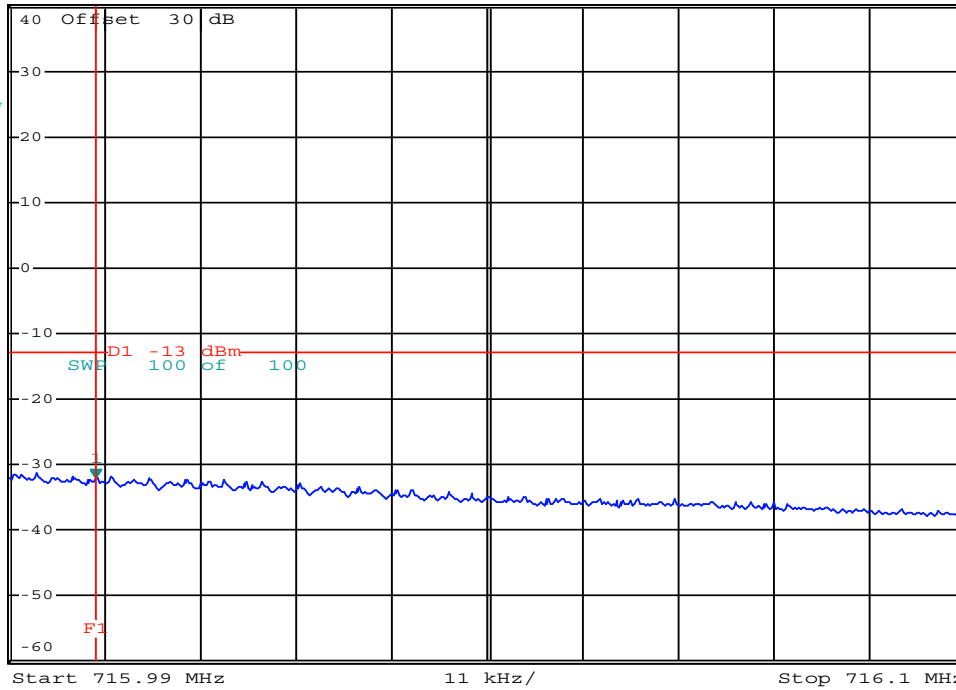


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.17 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:05:39

Channel Frequency (MHz): 715.3	Channel Bandwidth (MHz): 1.4
EARFCN: 23173	Resource Blocks (RB): 6
RB Offset: 0	Modulation: 64QAM

Band Edge Emission (dBm): **-32.17**

Upper Band Edge (UBE) Emissions LTE Band 12

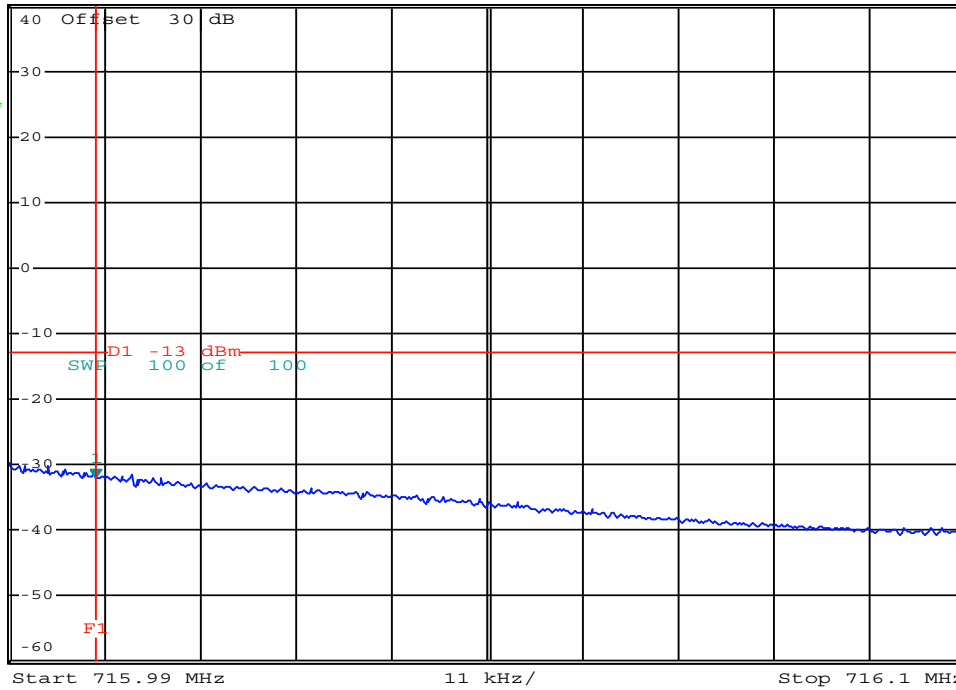


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -31.95 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:19:52

Channel Frequency (MHz): 714.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -31.95
EARFCN: 23165	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: QPSK	

Upper Band Edge (UBE) Emissions LTE Band 12

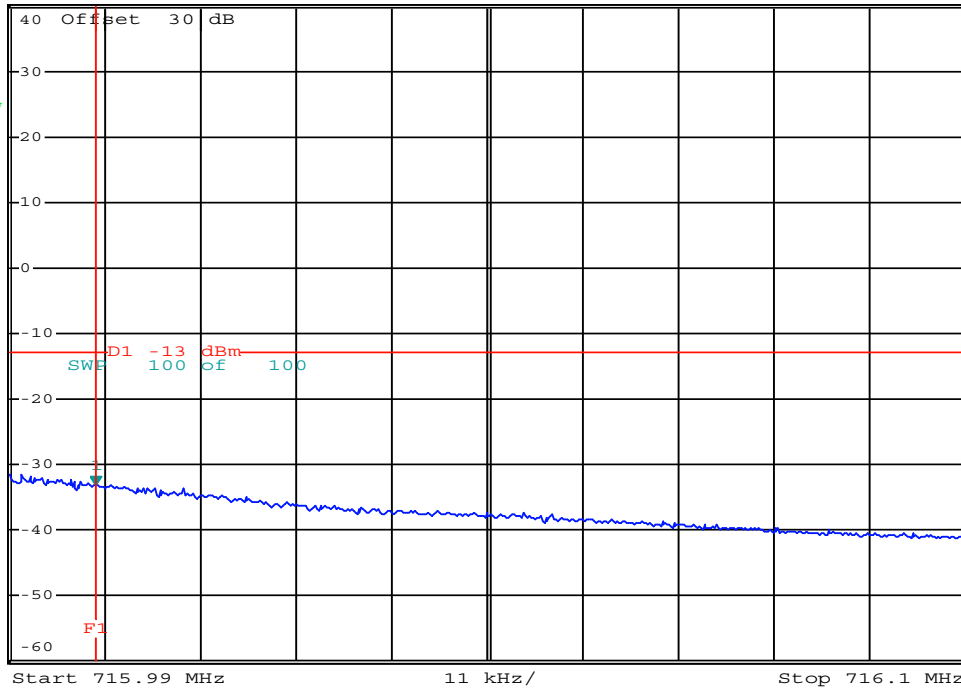


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -32.97 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:18:53

Channel Frequency (MHz): 714.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -32.97
EARFCN: 23165	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: 16QAM	

Upper Band Edge (UBE) Emissions LTE Band 12

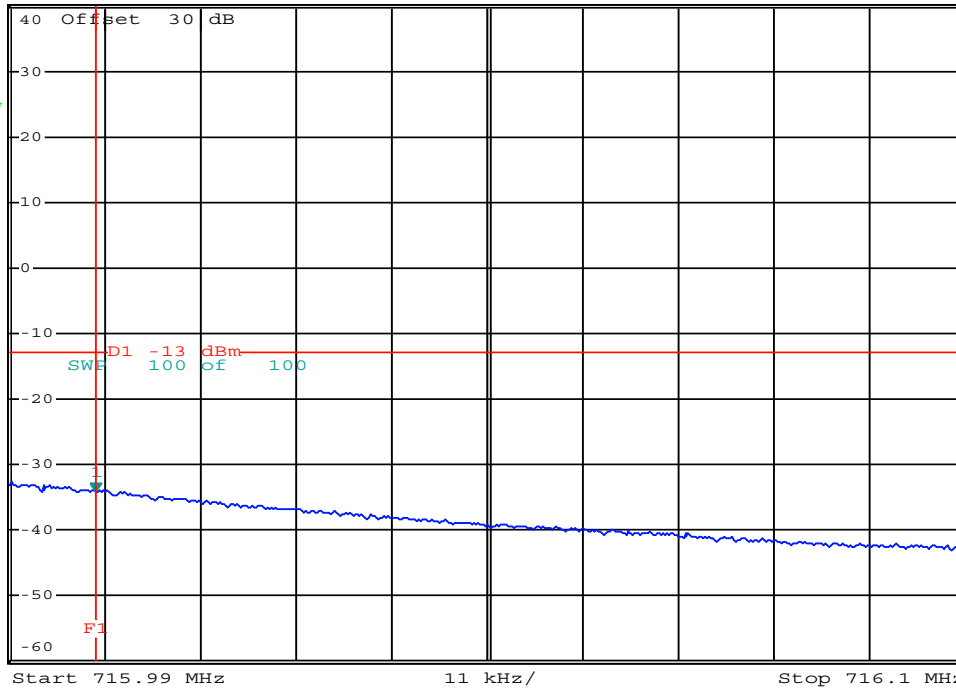


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -34.17 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:18:04

Channel Frequency (MHz): 714.5	Channel Bandwidth (MHz): 3.0	Band Edge Emission (dBm): -34.17
EARFCN: 23165	Resource Blocks (RB): 15	
RB Offset: 0	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 12

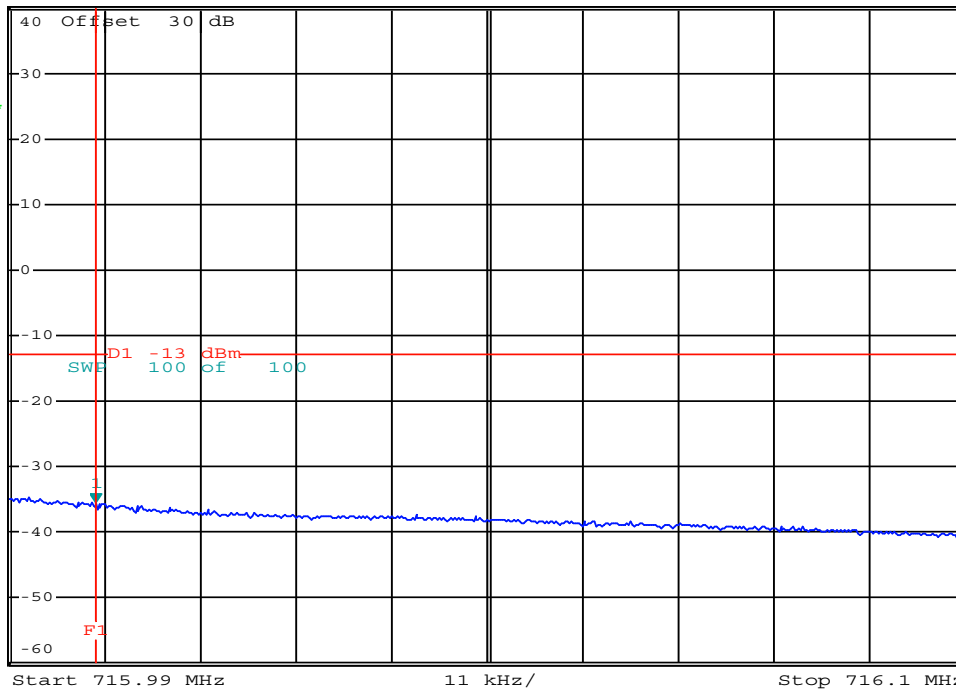


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -35.36 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:22:57

Channel Frequency (MHz): 713.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -35.36
EARFCN: 23155	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: QPSK	

Upper Band Edge (UBE) Emissions LTE Band 12

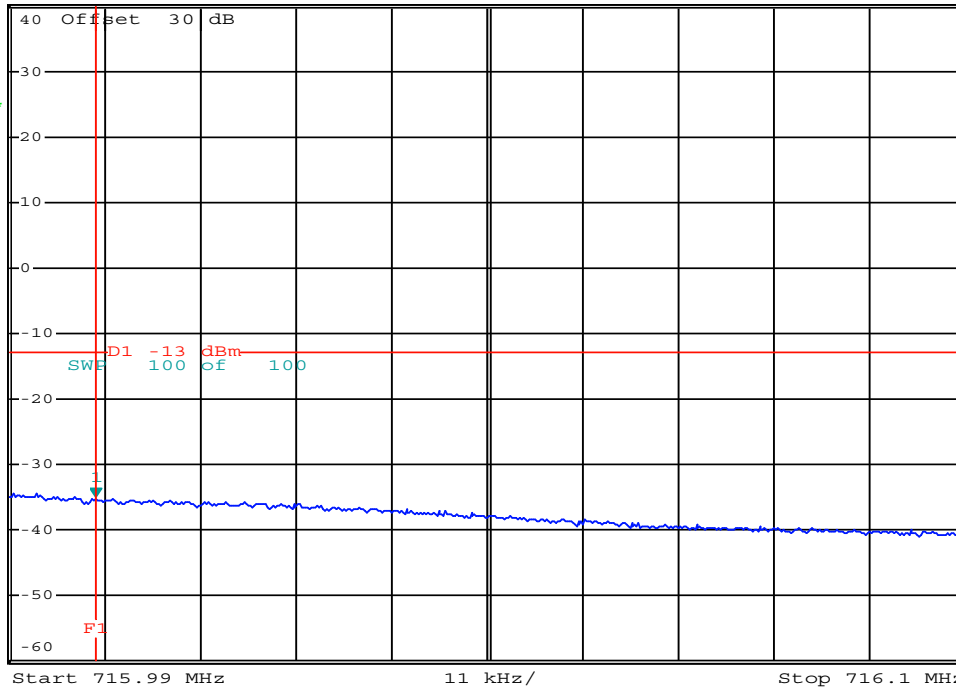


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -34.96 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:24:04

Channel Frequency (MHz): 713.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -34.96
EARFCN: 23155	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 16QAM	

Upper Band Edge (UBE) Emissions LTE Band 12

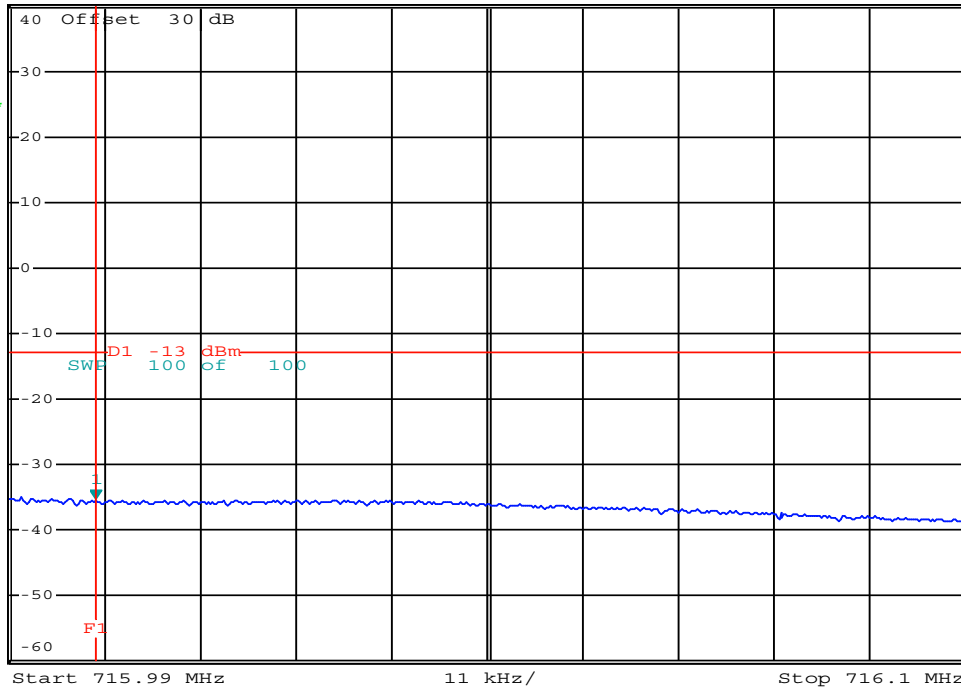


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -35.21 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:25:09

Channel Frequency (MHz): 713.5	Channel Bandwidth (MHz): 5.0	Band Edge Emission (dBm): -35.21
EARFCN: 23155	Resource Blocks (RB): 25	
RB Offset: 0	Modulation: 64QAM	

Upper Band Edge (UBE) Emissions LTE Band 12

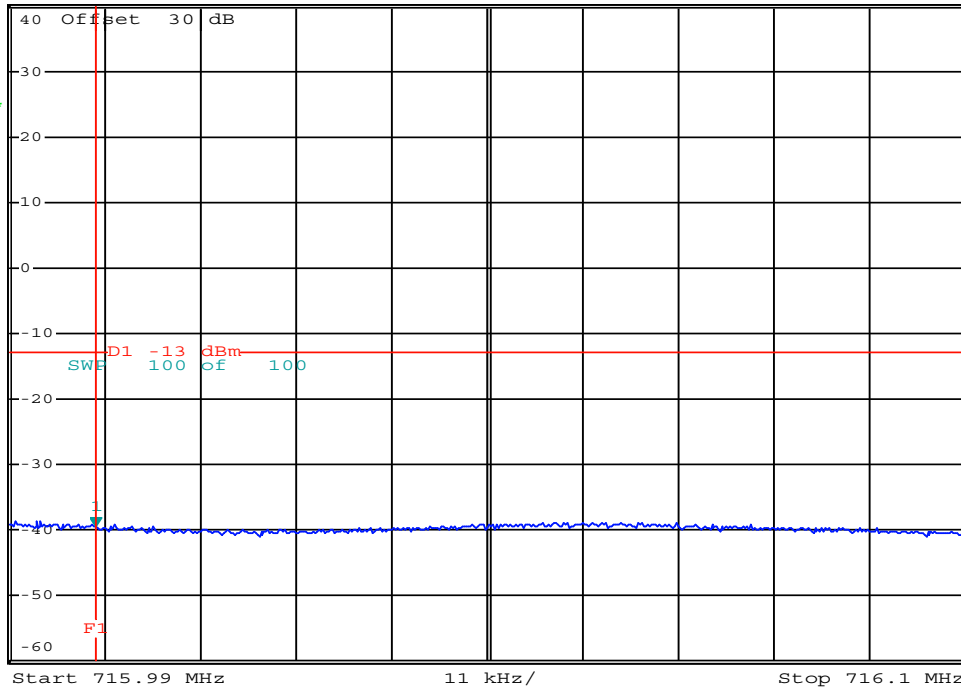


*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -39.38 dBm
 *SWT 50 ms 716.000000000 MHz

Ref 40 dBm

*Att 10 dB

1 RM
 VIEW



Date: 25.APR.2021 04:28:32

Channel Frequency (MHz): 711.0	Channel Bandwidth (MHz): 10.0	Band Edge Emission (dBm): -39.38
EARFCN: 23130	Resource Blocks (RB): 50	
RB Offset: 0	Modulation: QPSK	

Upper Band Edge (UBE) Emissions LTE Band 12



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -39.79 dBm
 *Att 10 dB *SWT 50 ms 716.000000000 MHz

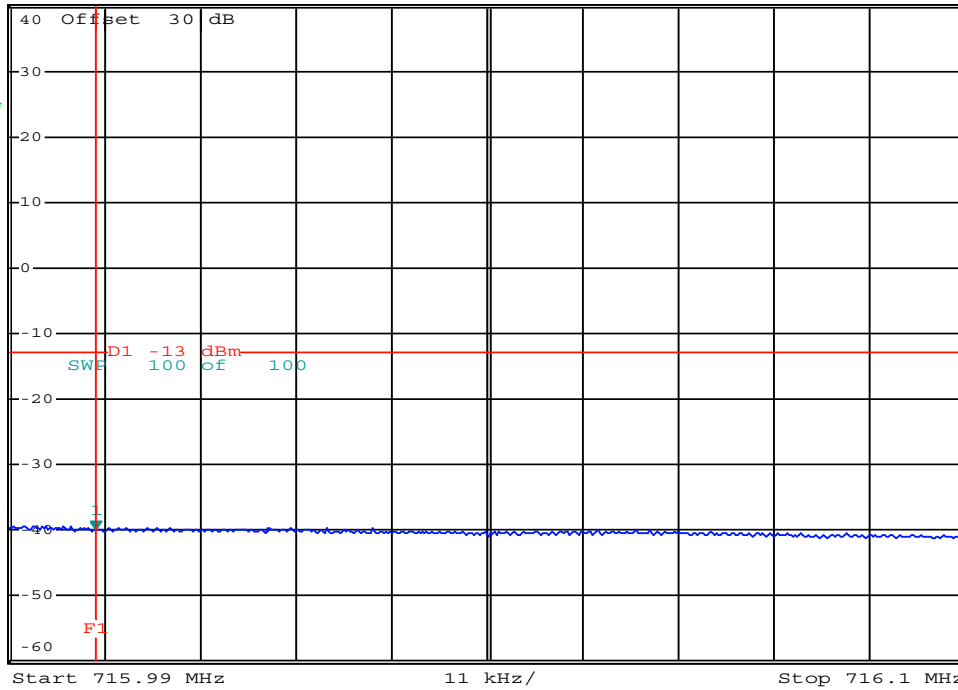
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

716.000000000 MHz

1 RM
VIEW



Date: 25.APR.2021 04:27:39

Channel Frequency (MHz): **711.0**

Channel Bandwidth (MHz): **10.0**

EARFCN: **23130**

Resource Blocks (RB): **50**

RB Offset: **0**

Modulation: **16QAM**

Band Edge Emission (dBm): **-39.79**

Upper Band Edge (UBE) Emissions LTE Band 12



*RBW 30 kHz Marker 1 [T1]
 VBW 300 kHz -41.78 dBm
 *Att 10 dB *SWT 50 ms 716.000000000 MHz

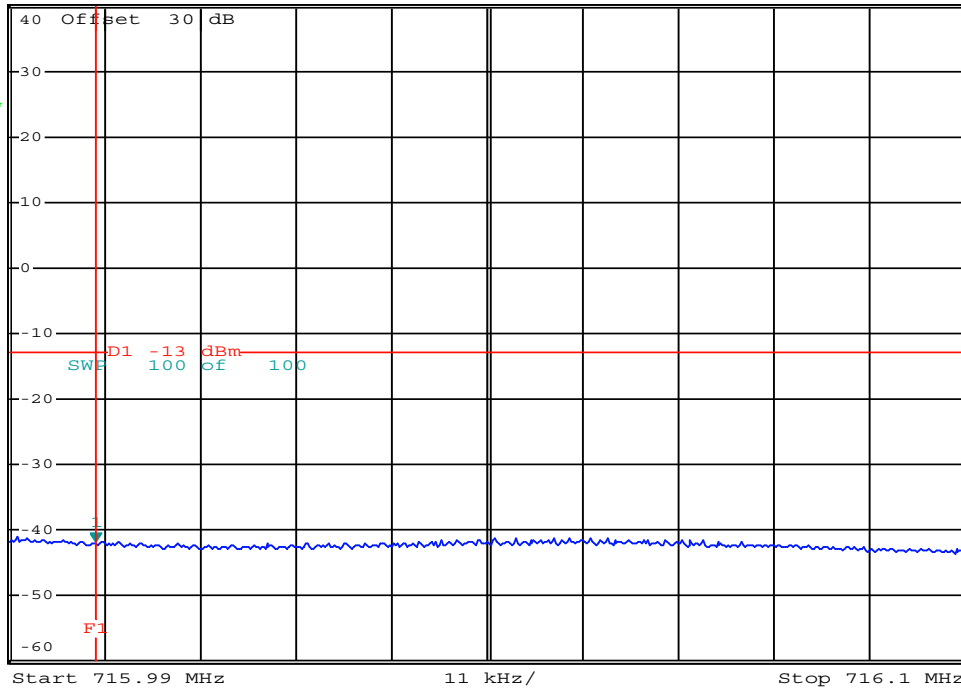
Ref 40 dBm

*Att 10 dB

*SWT 50 ms

716.000000000 MHz

1 RM
 VIEW



Date: 25.APR.2021 04:26:44

Channel Frequency (MHz):	711.0	Channel Bandwidth (MHz):	10.0	Band Edge Emission (dBm): -41.78
EARFCN:	23130	Resource Blocks (RB):	50	
RB Offset:	0	Modulation:	64QAM	