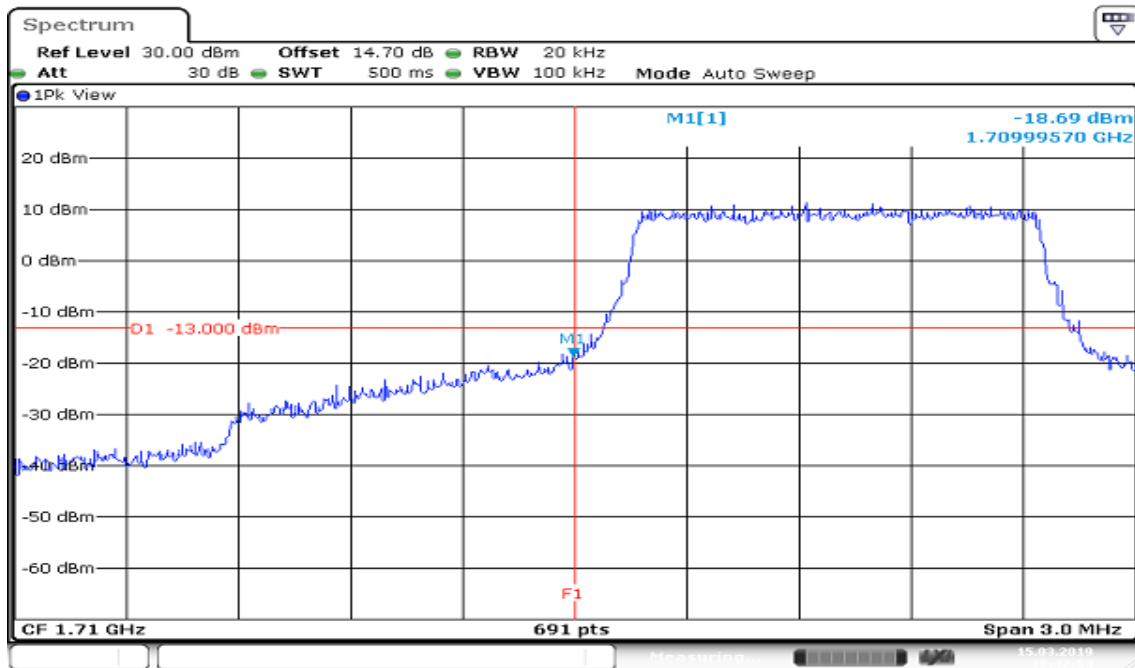
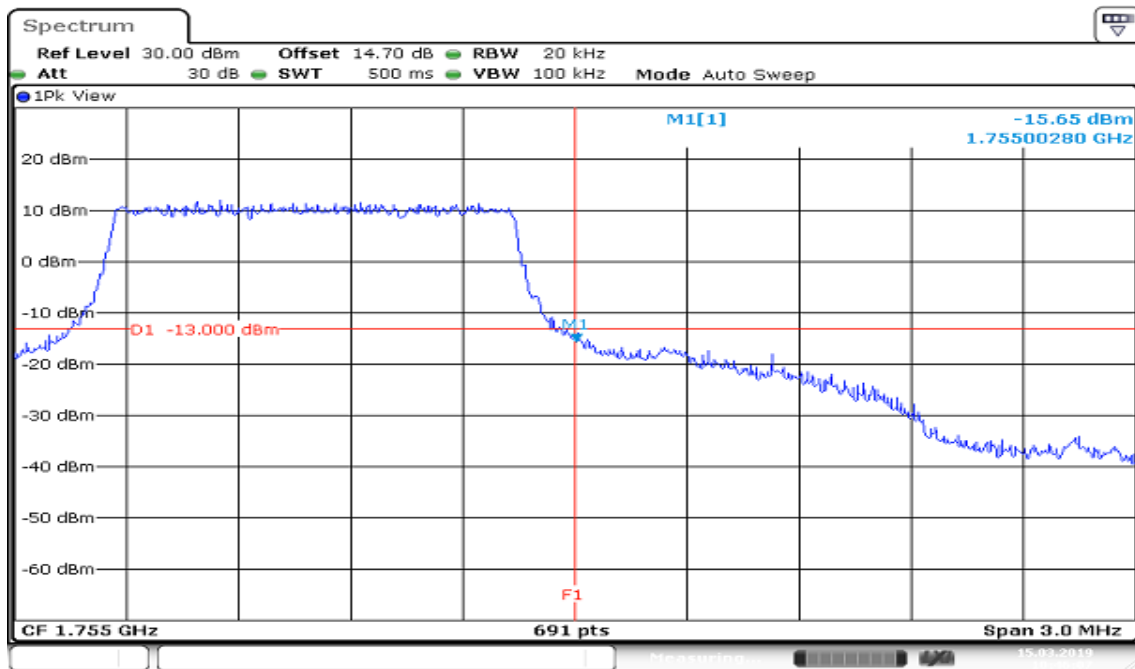


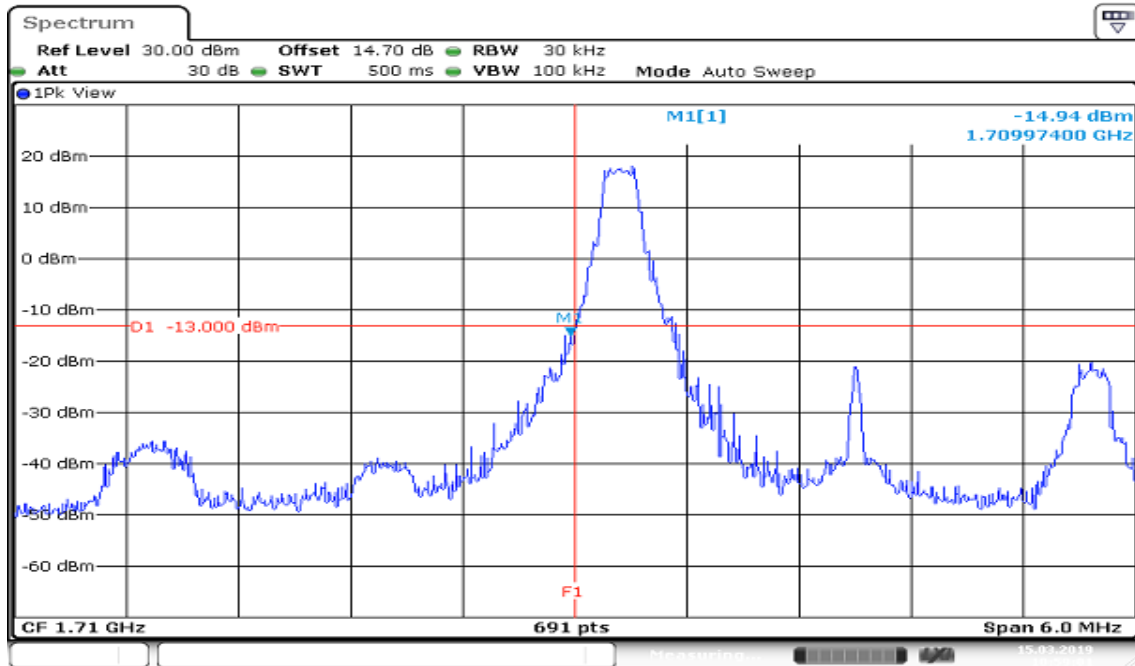
CHANNEL BANDWIDTH: 1.4MHz / QPSK / 100%RB ALLOCATED LOWER BAND EDGE



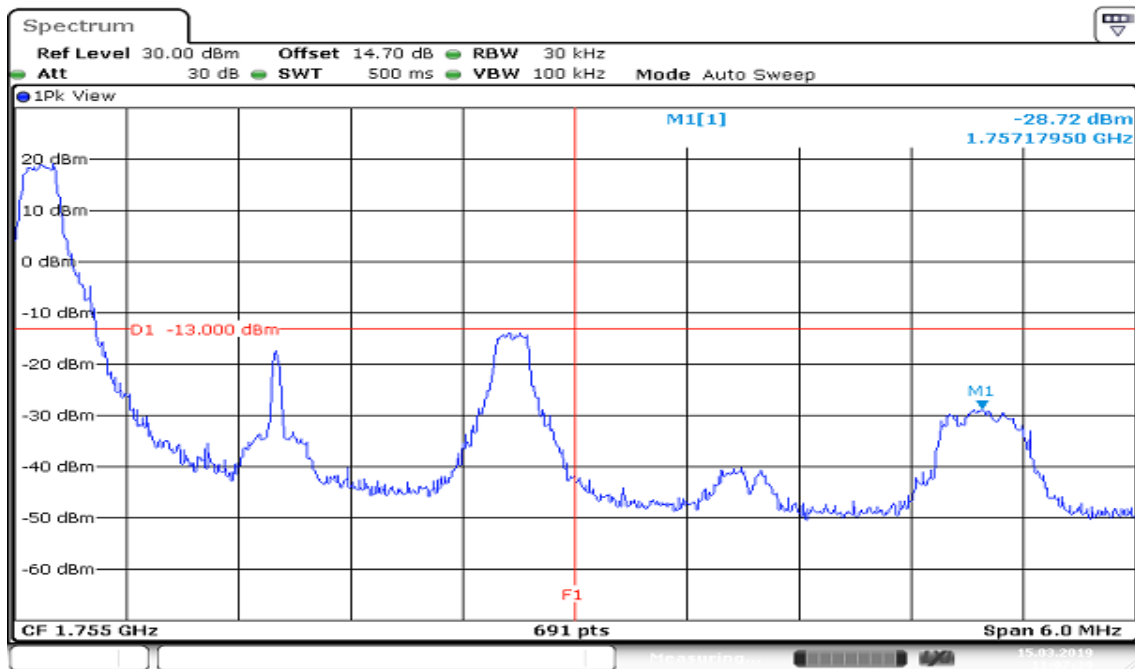
HIGHER BAND EDGE



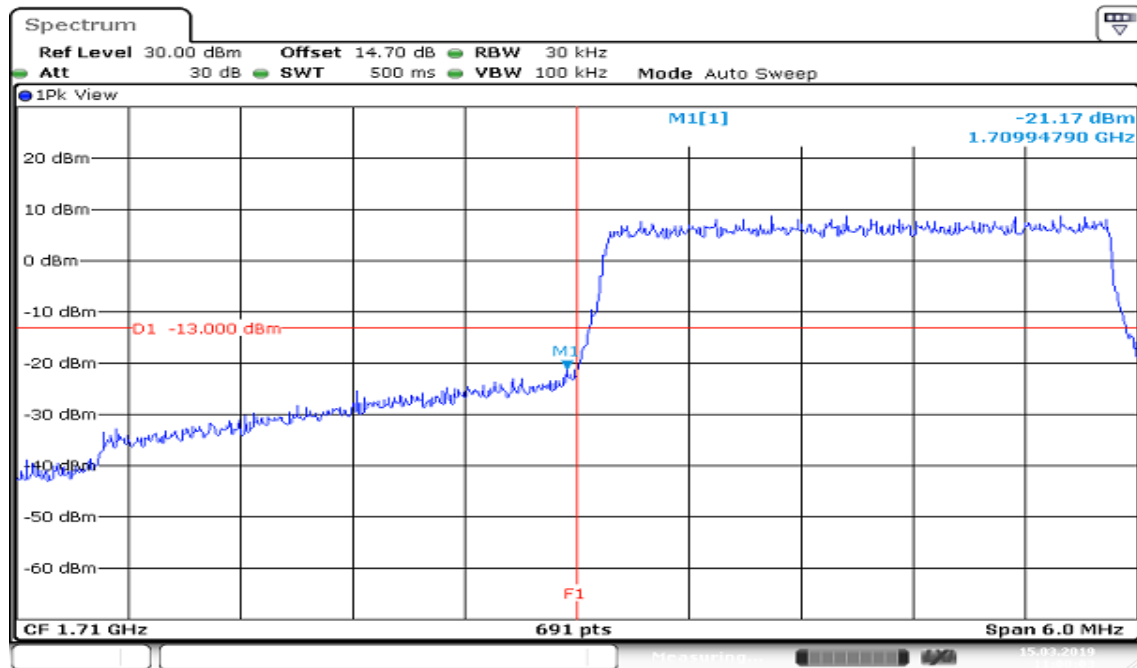
CHANNEL BANDWIDTH: 3MHz / QPSK / 1RB ALLOCATED LOWER BAND EDGE



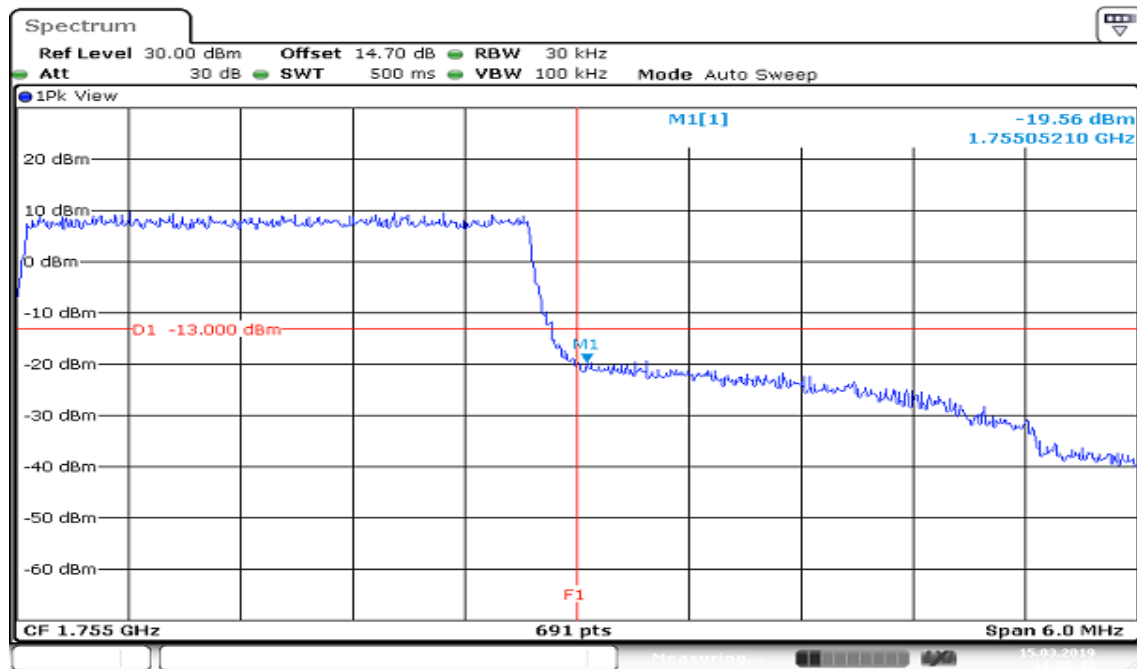
HIGHER BAND EDGE



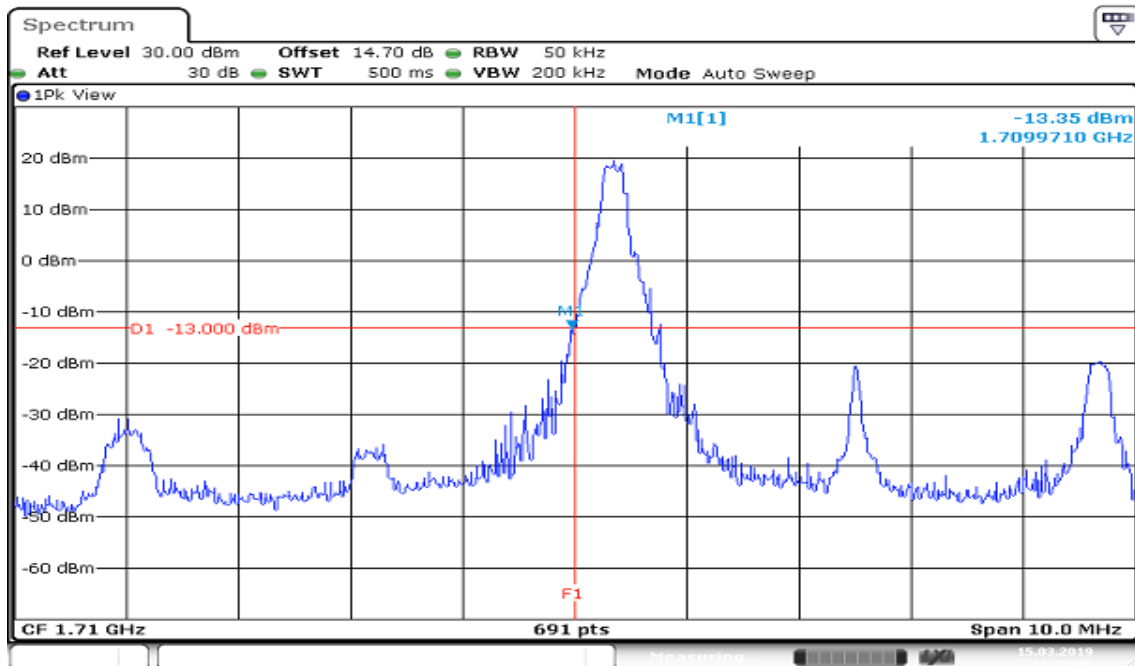
CHANNEL BANDWIDTH: 3MHz / QPSK / 100%RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE

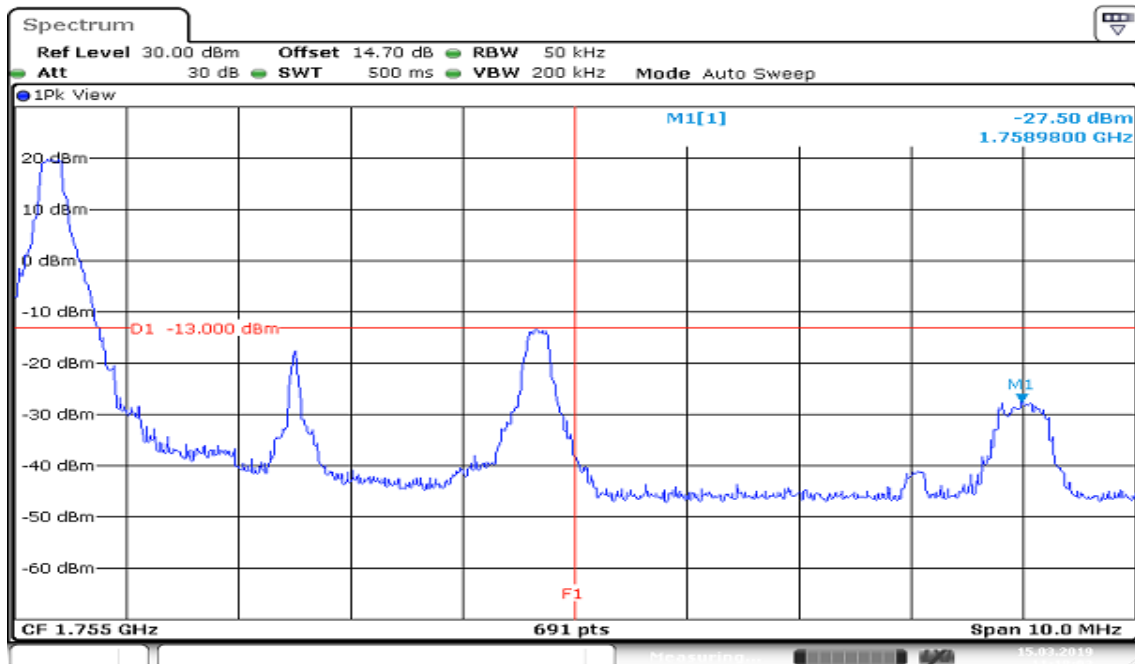


CHANNEL BANDWIDTH: 5MHz / QPSK / 1RB ALLOCATED LOWER BAND EDGE



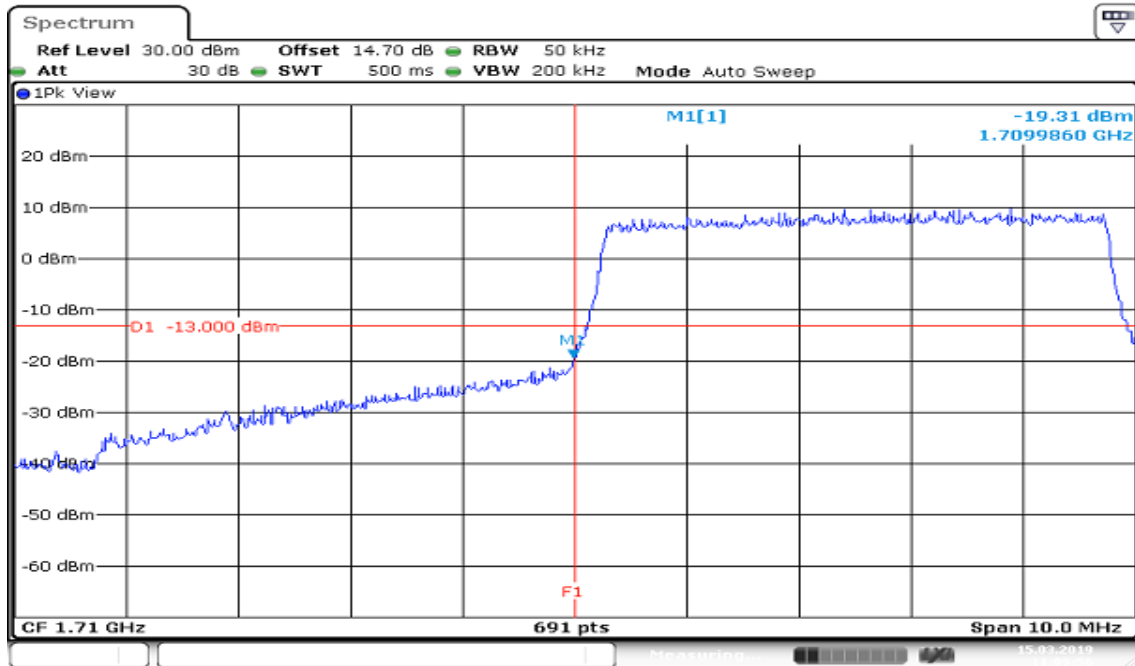
Date: 15.MAR.2019 11:12:07

HIGHER BAND EDGE

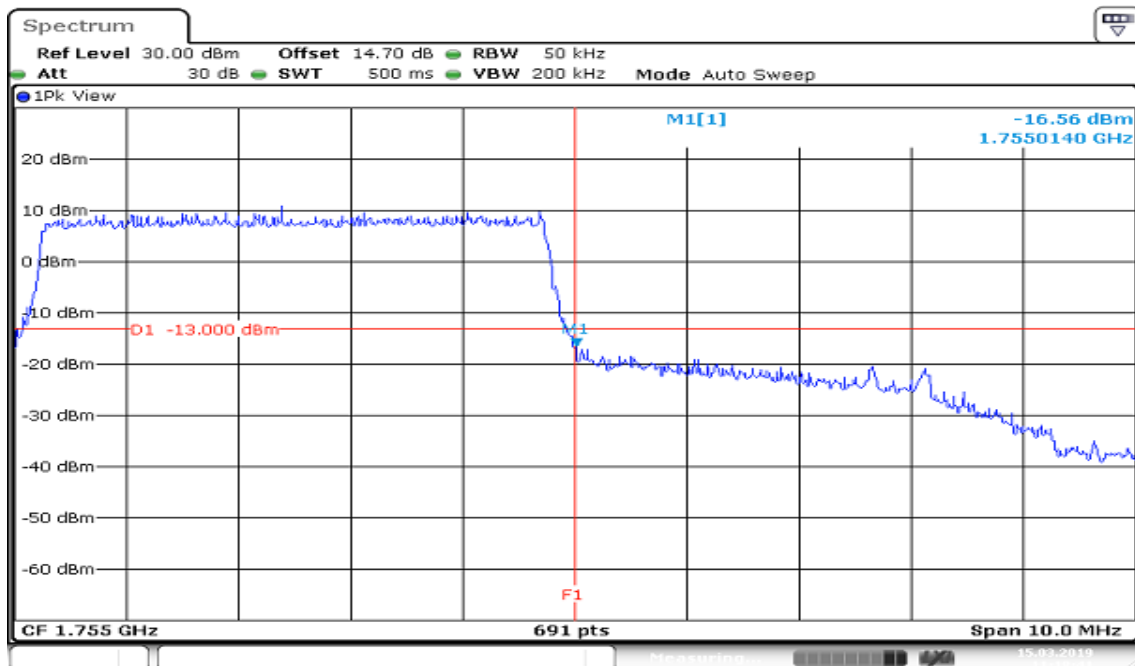


Date: 15.MAR.2019 11:18:03

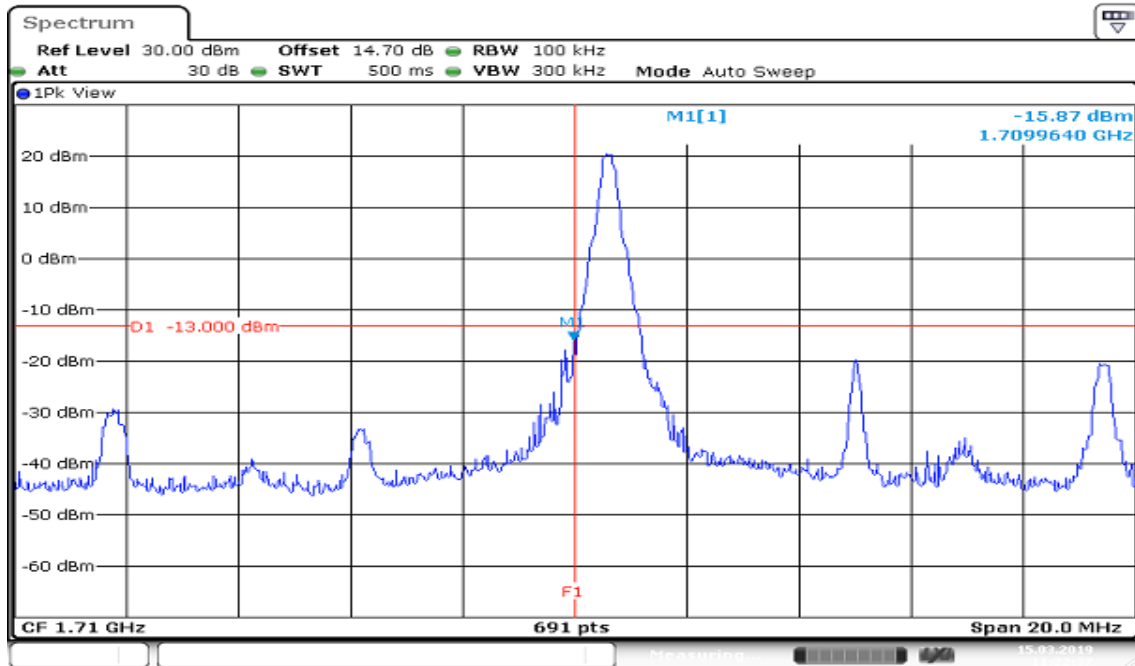
CHANNEL BANDWIDTH: 5MHz / QPSK / 100%RB ALLOCATED LOWER BAND EDGE



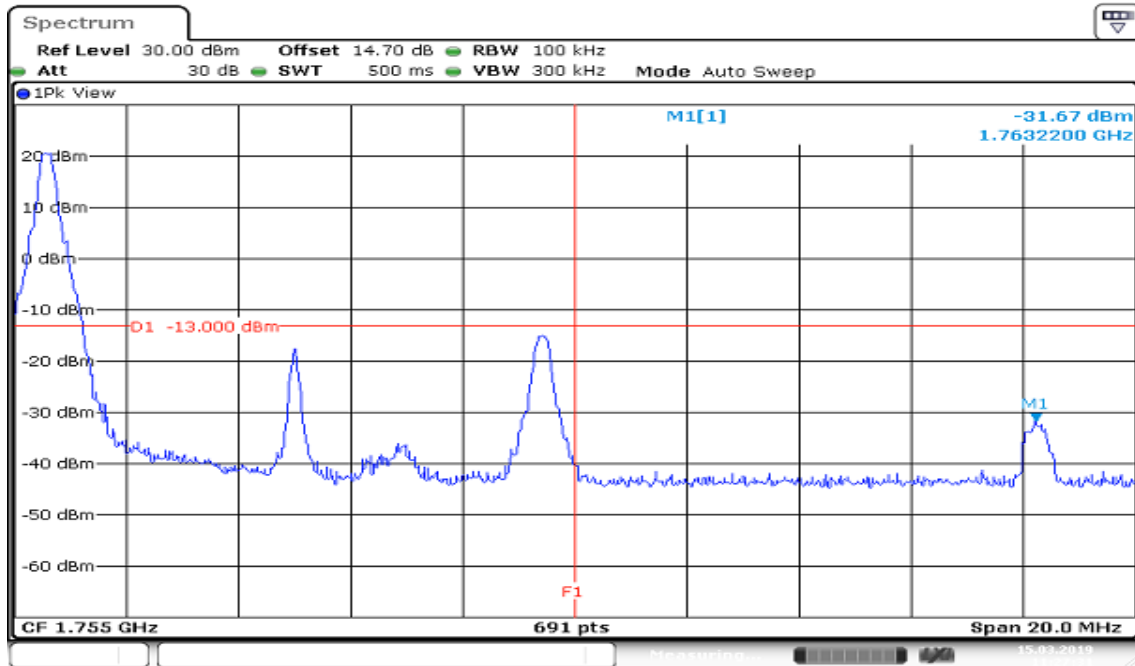
HIGHER BAND EDGE



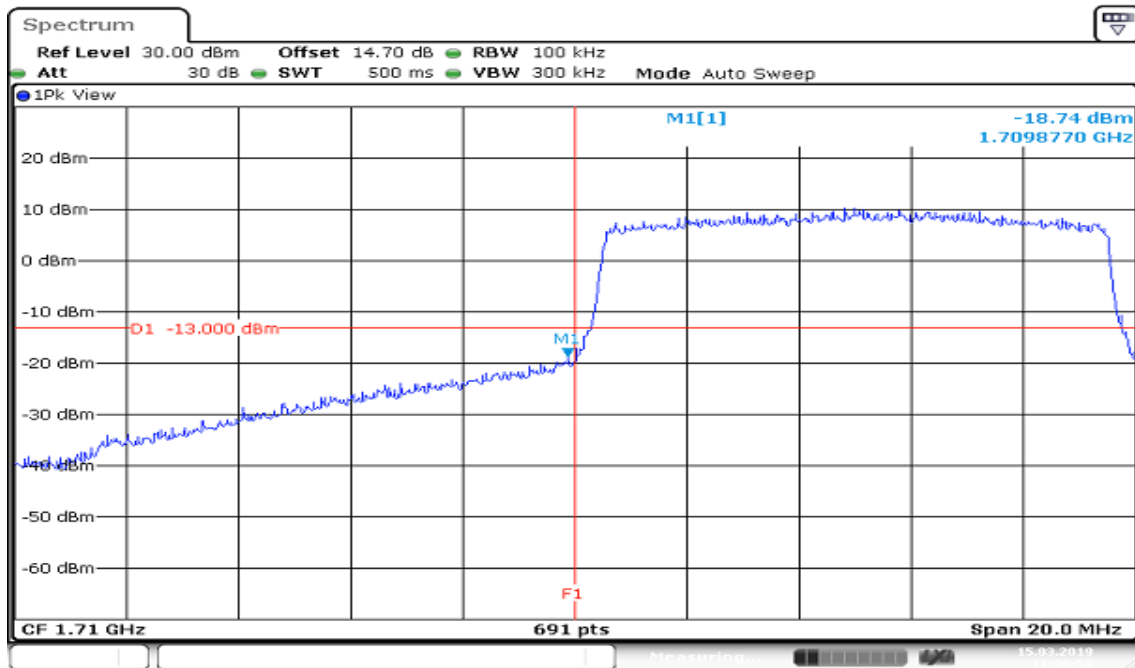
CHANNEL BANDWIDTH: 10MHz / QPSK / 1RB ALLOCATED LOWER BAND EDGE



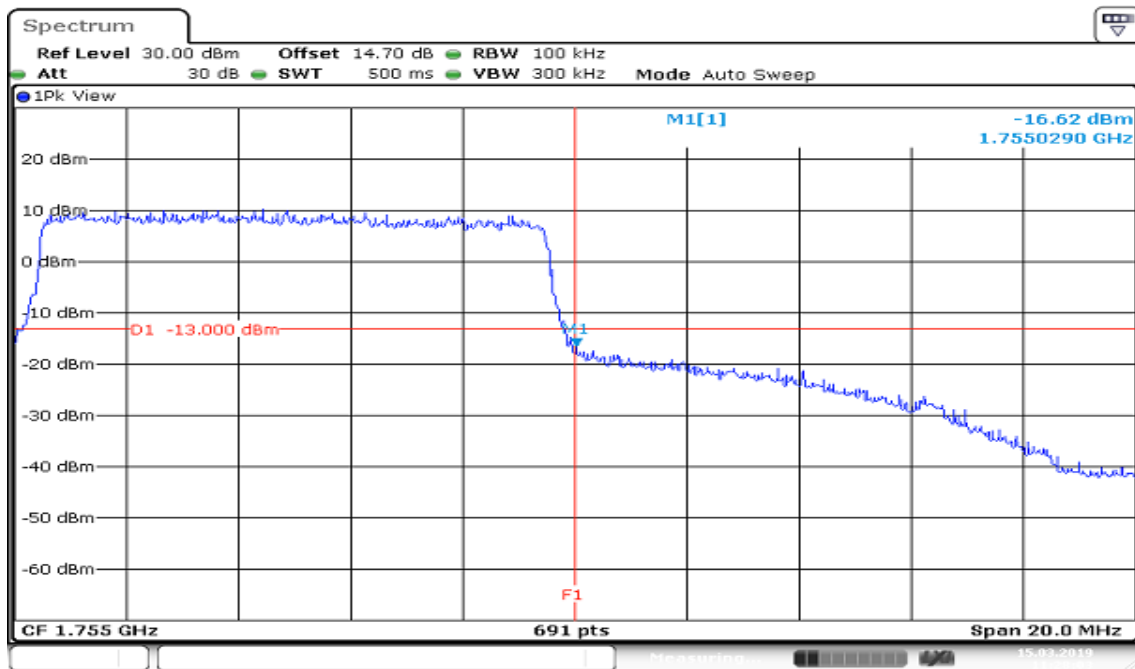
HIGHER BAND EDGE



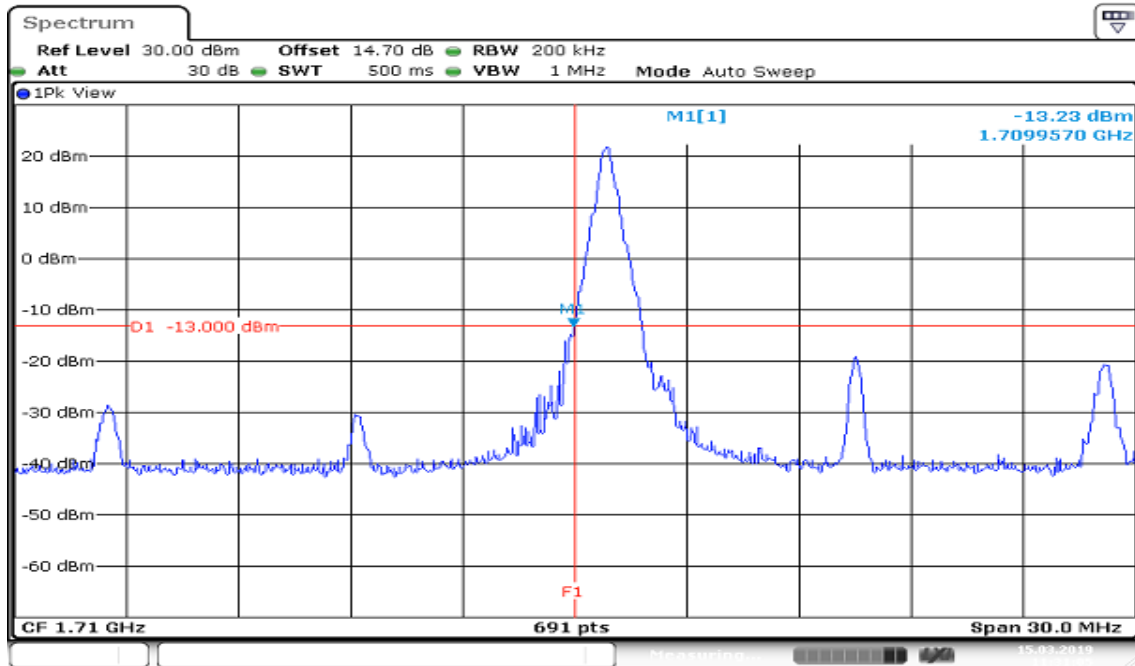
CHANNEL BANDWIDTH: 10MHz / QPSK / 100%RB ALLOCATED LOWER BAND EDGE



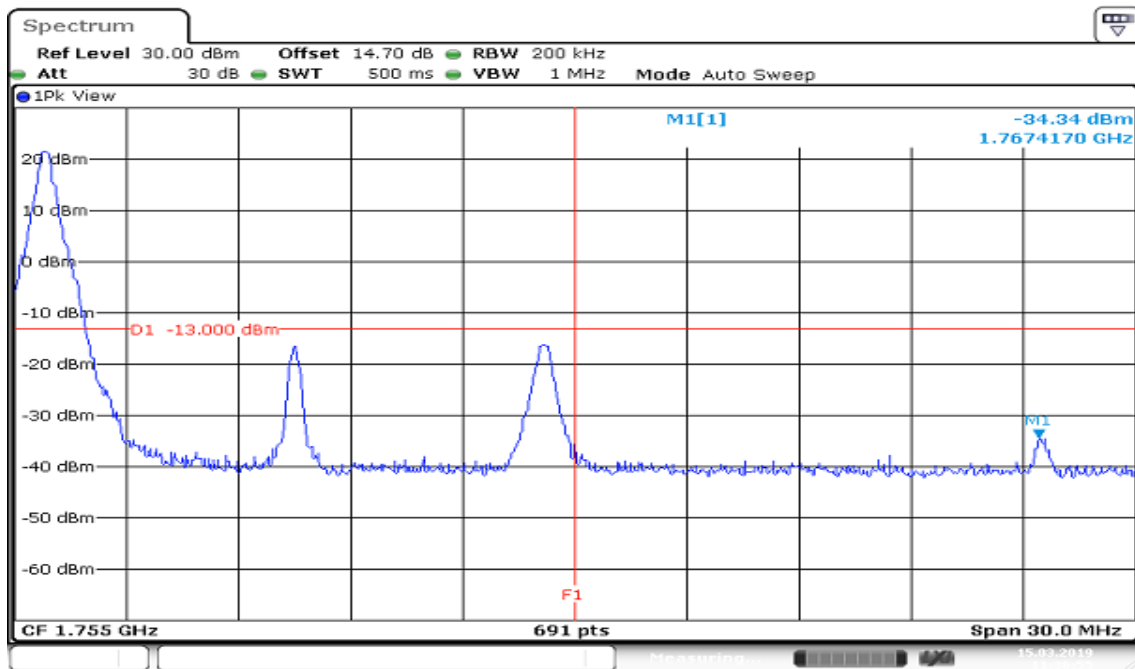
HIGHER BAND EDGE



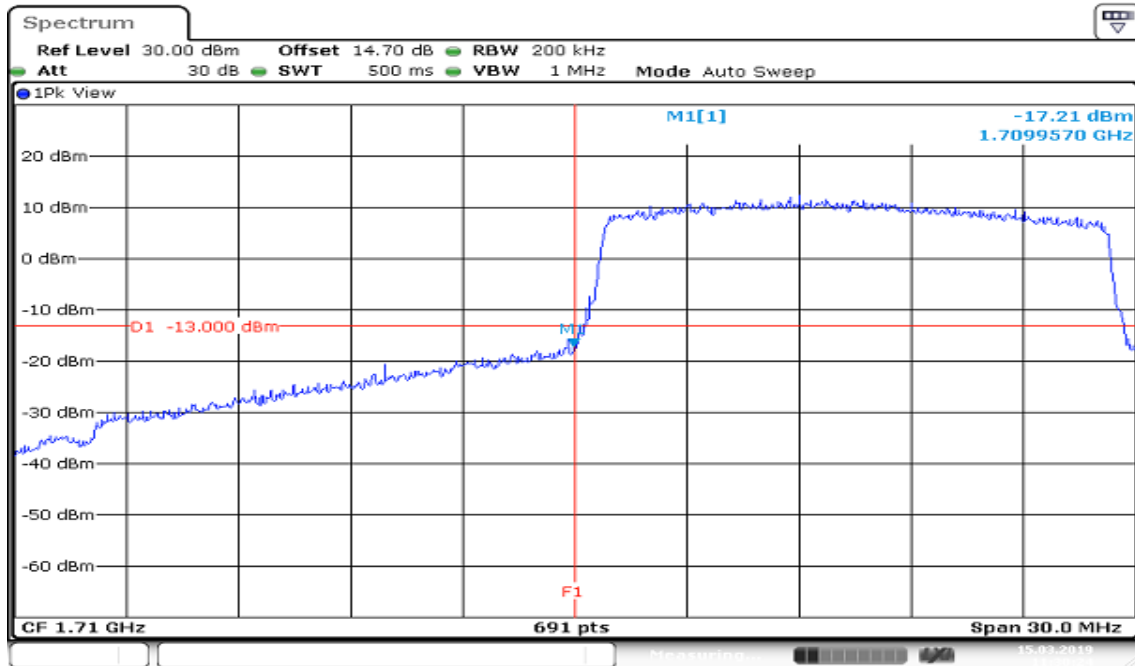
CHANNEL BANDWIDTH: 15MHz / QPSK / 1RB ALLOCATED LOWER BAND EDGE



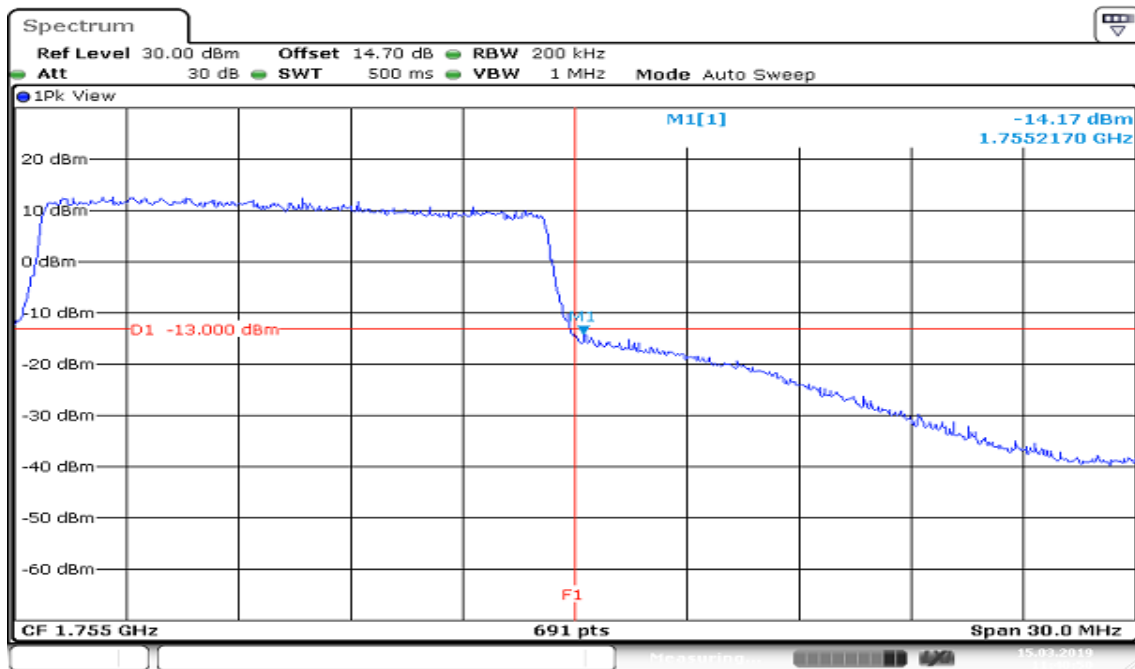
HIGHER BAND EDGE



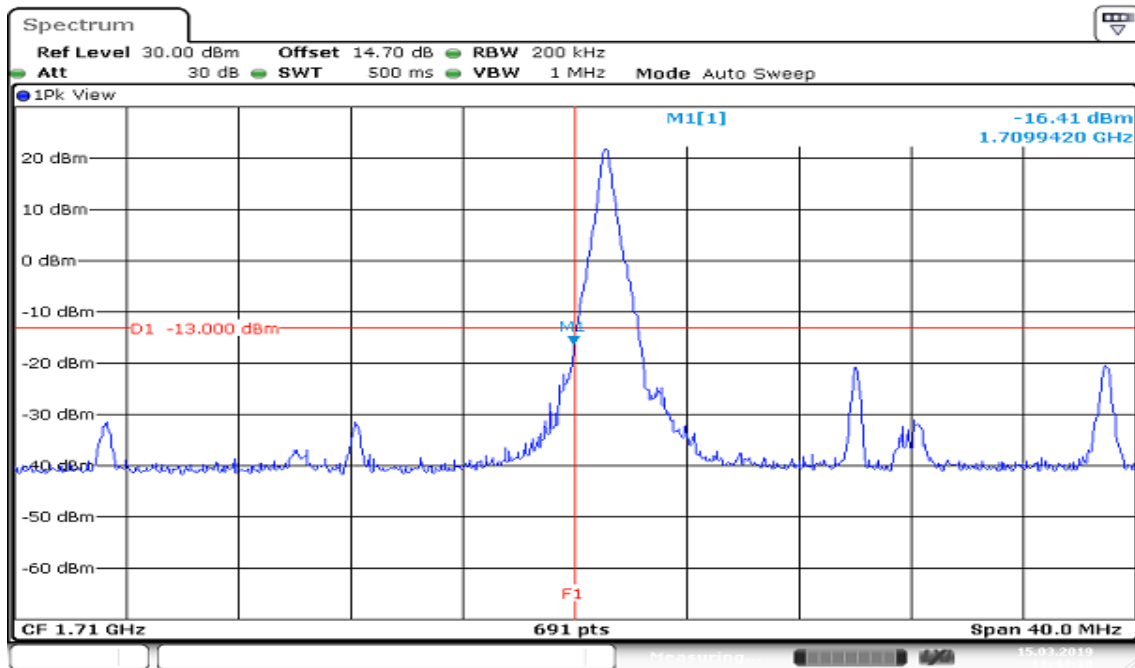
CHANNEL BANDWIDTH: 15MHz / QPSK / 100%RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE

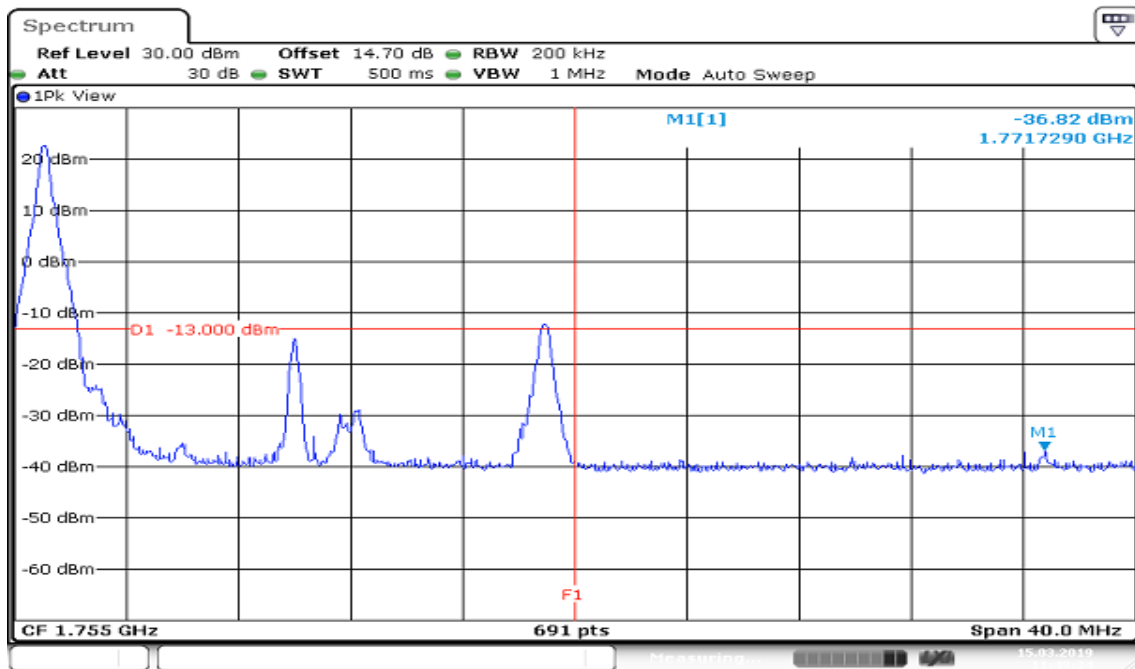


CHANNEL BANDWIDTH: 20MHz / QPSK / 1RB ALLOCATED LOWER BAND EDGE



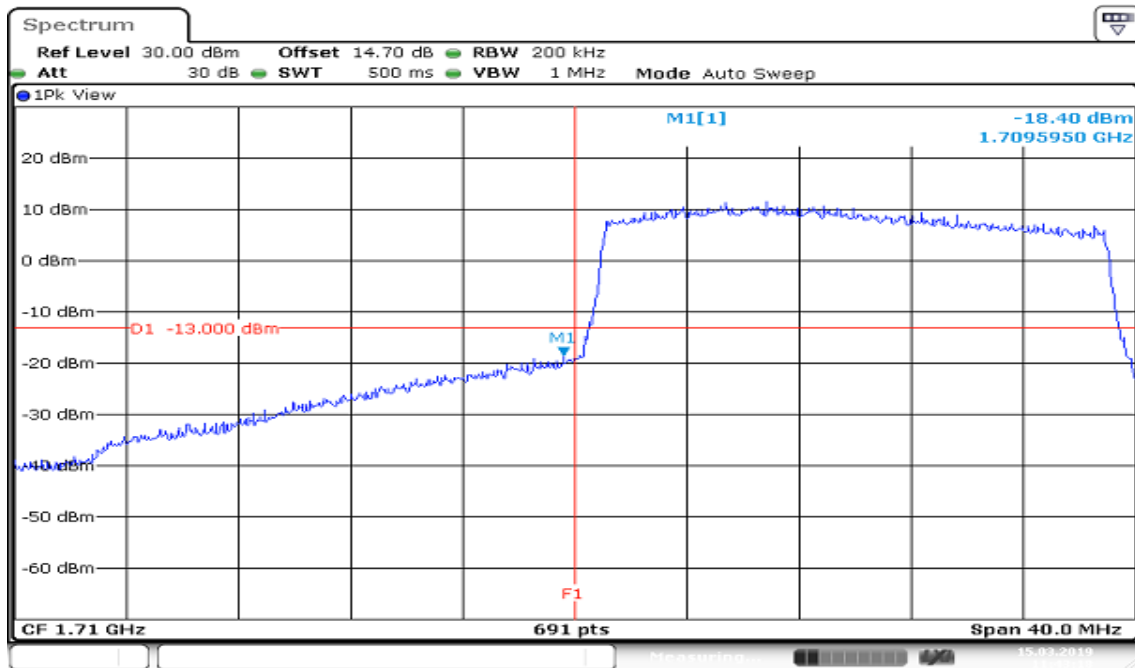
Date: 15.MAR.2019 11:44:10

HIGHER BAND EDGE

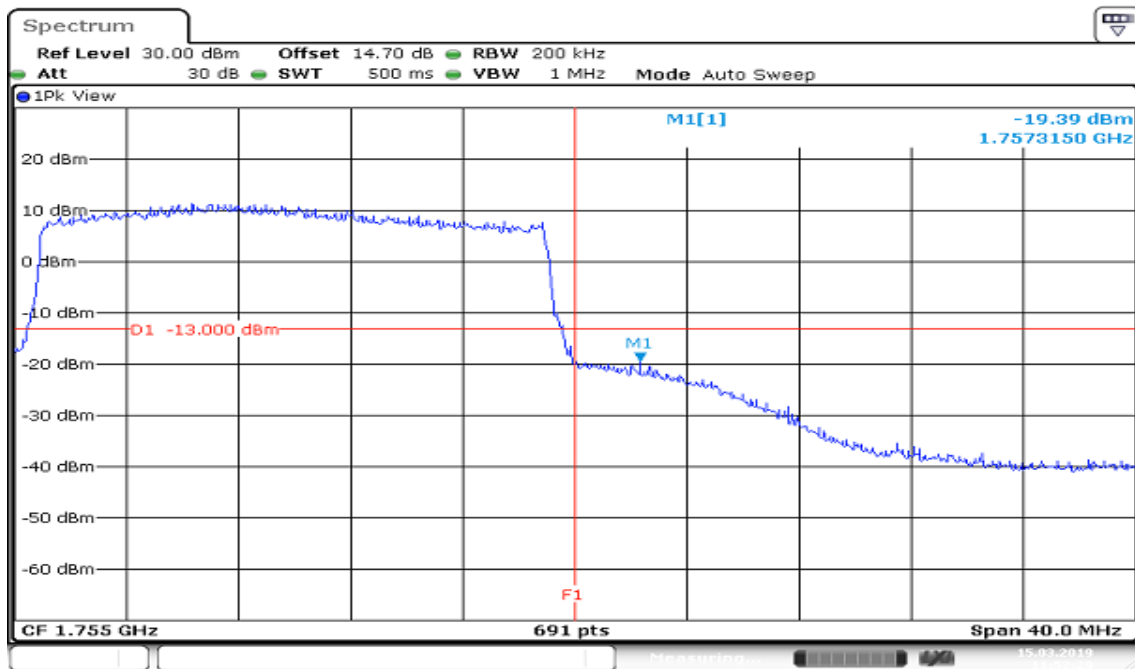


Date: 15.MAR.2019 11:49:35

CHANNEL BANDWIDTH: 20MHz / QPSK / 100%RB ALLOCATED LOWER BAND EDGE



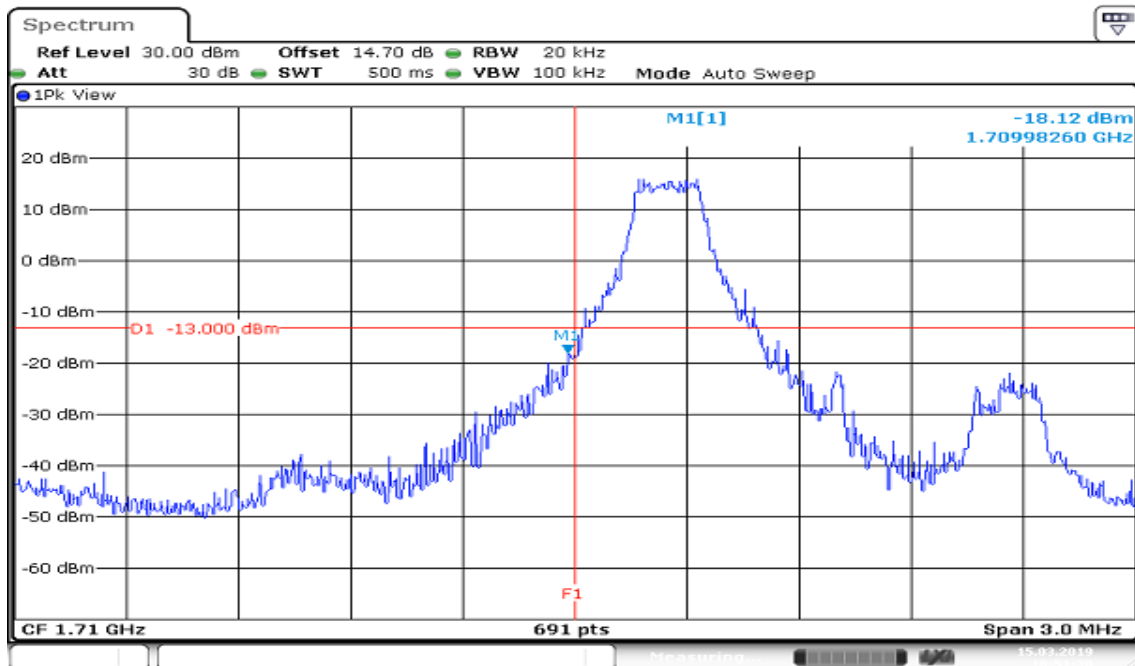
HIGHER BAND EDGE



LTE Band 4

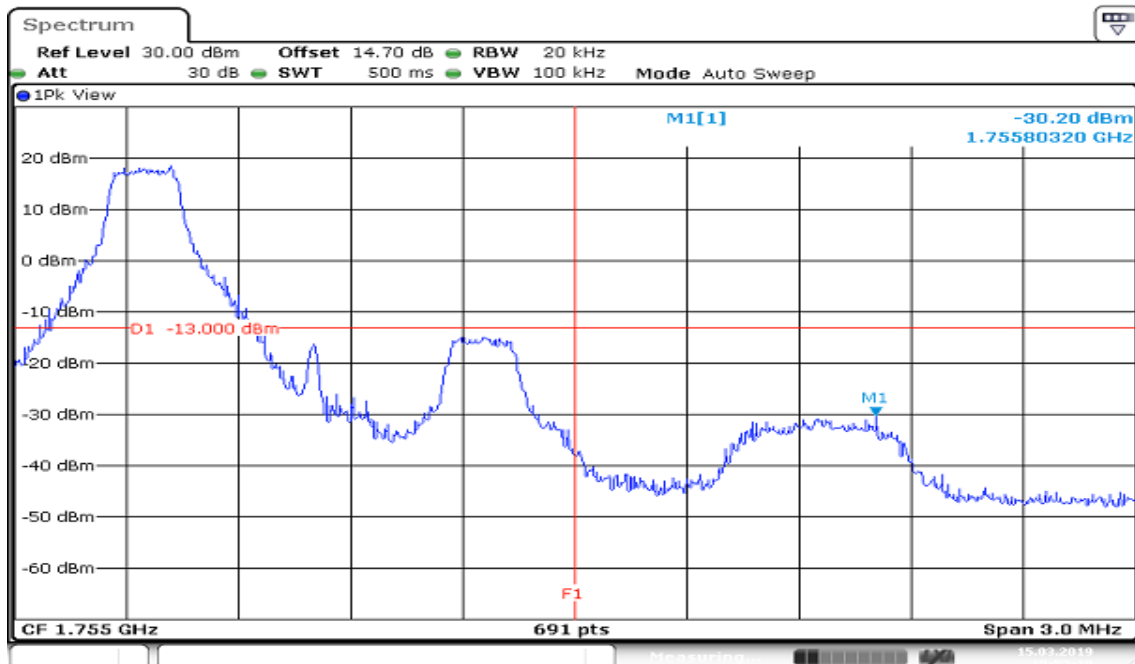
CHANNEL BANDWIDTH: 1.4MHz / 16QAM / 1RB ALLOCATED

LOWER BAND EDGE



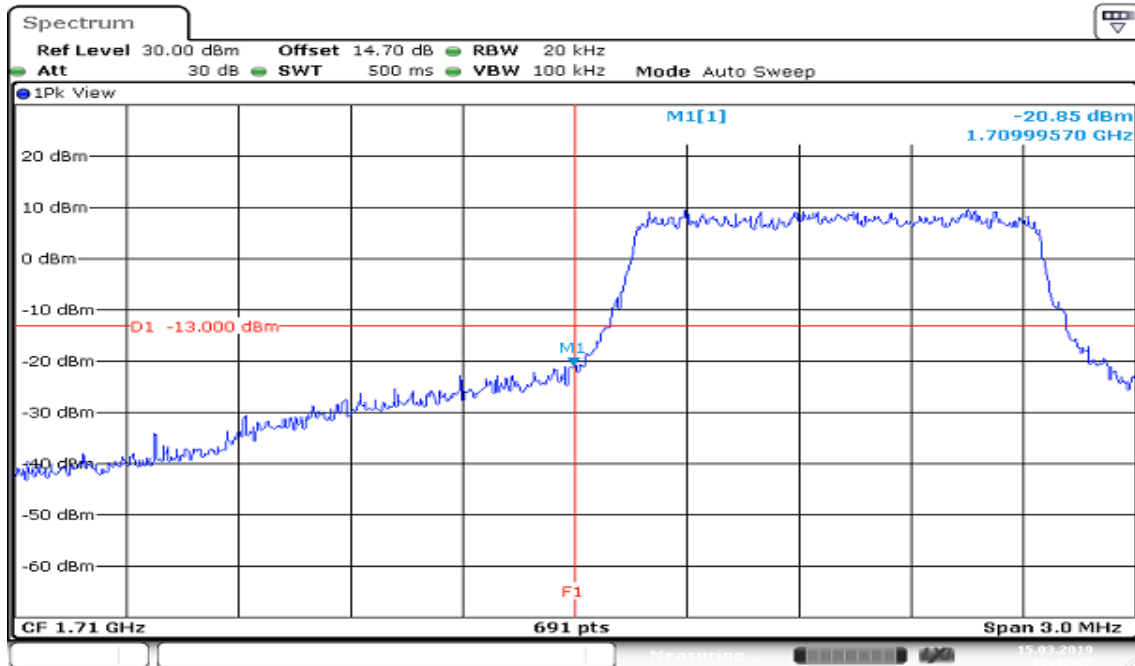
Date: 15.MAR.2019 10:51:31

HIGHER BAND EDGE

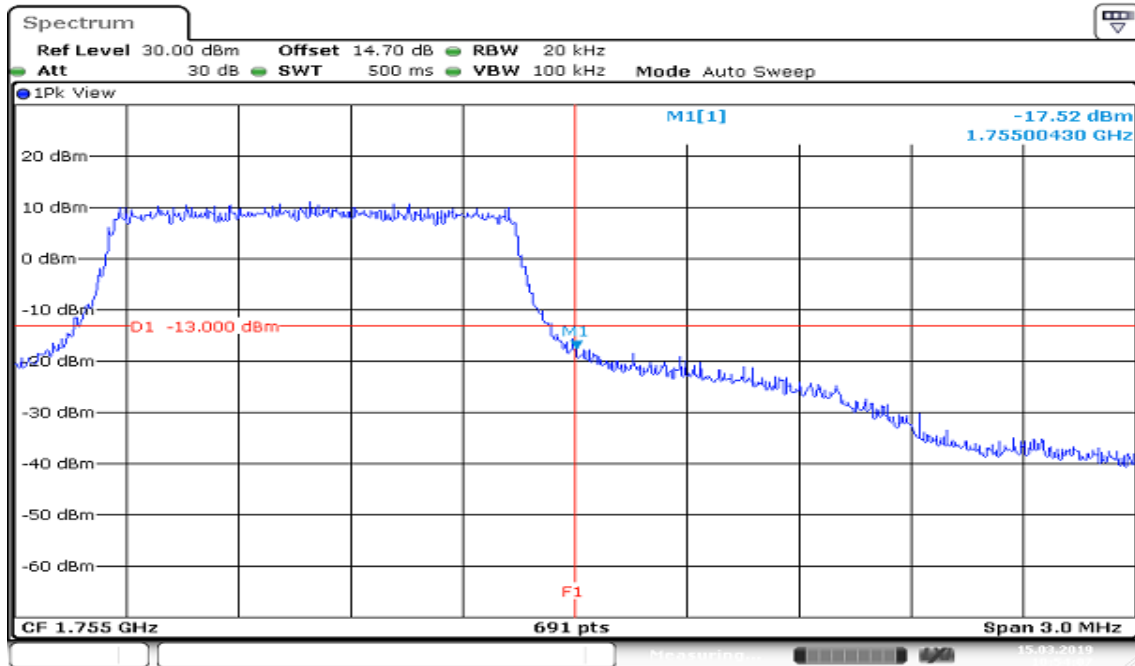


Date: 15.MAR.2019 10:53:19

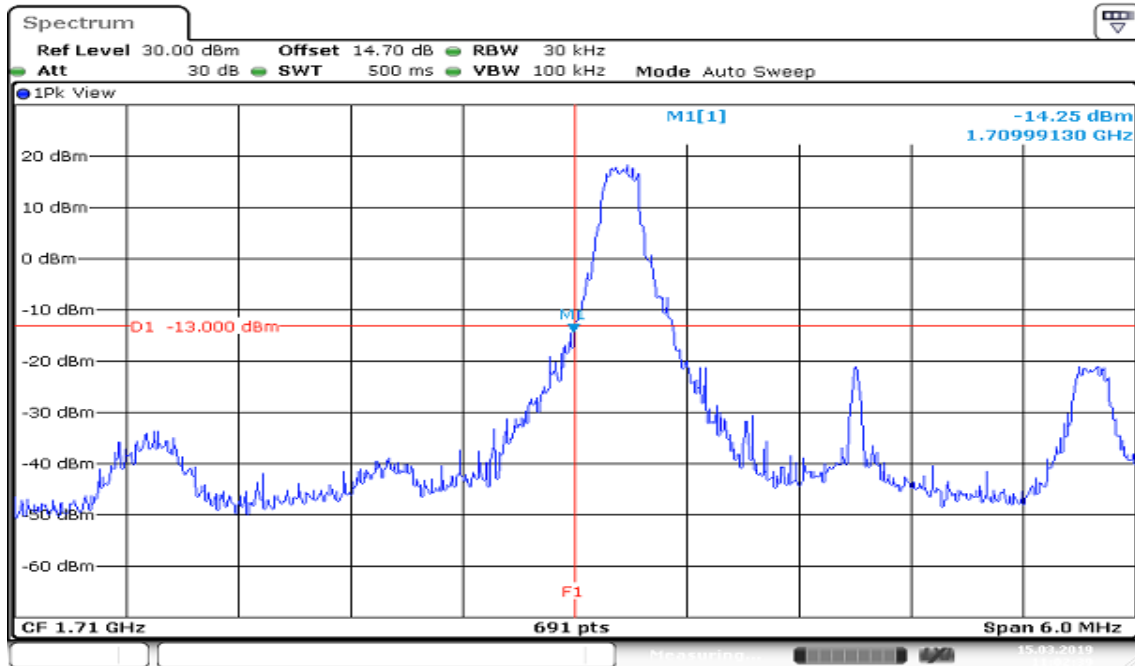
CHANNEL BANDWIDTH: 1.4MHz / 16QAM / 100%RB ALLOCATED LOWER BAND EDGE



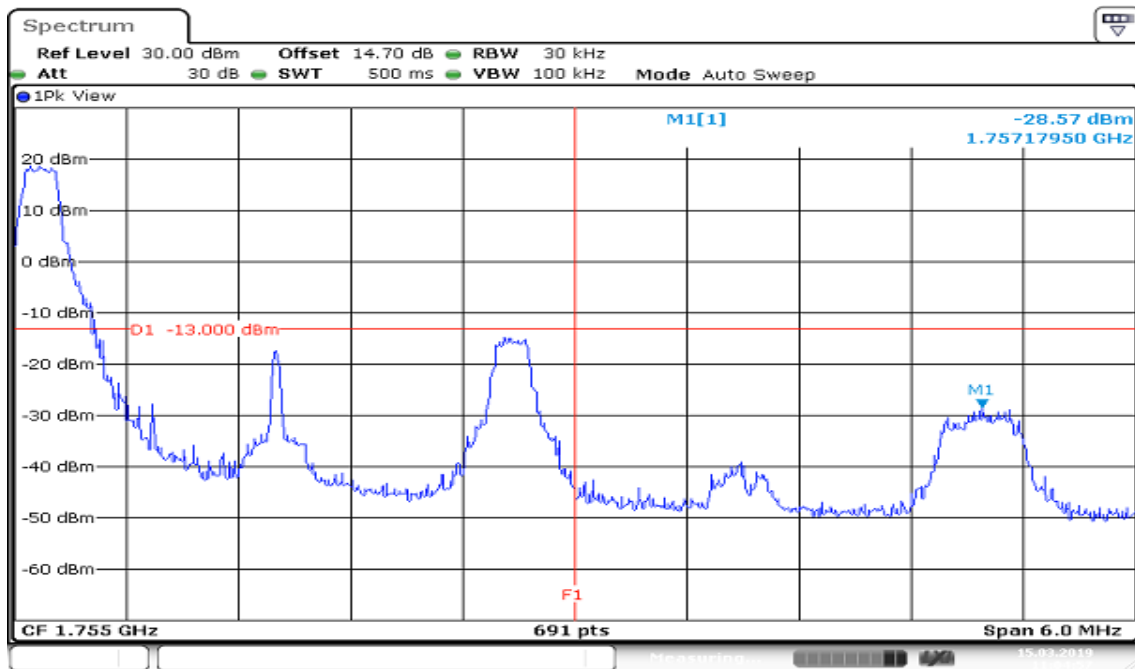
HIGHER BAND EDGE



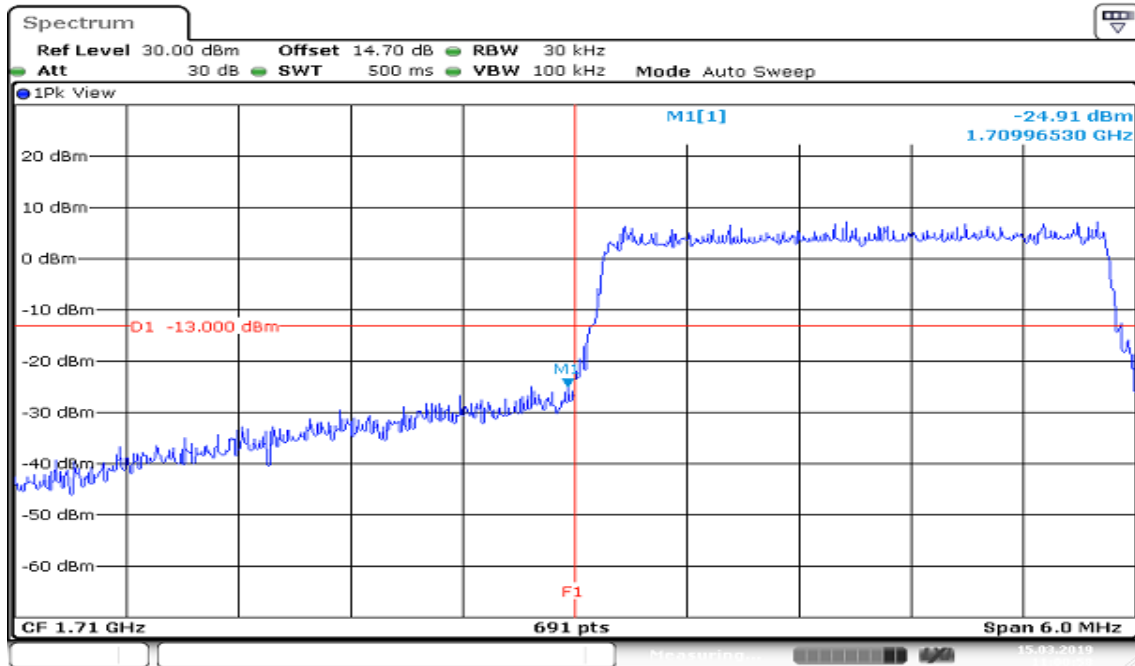
CHANNEL BANDWIDTH: 3MHz / 16QAM / 1RB ALLOCATED LOWER BAND EDGE



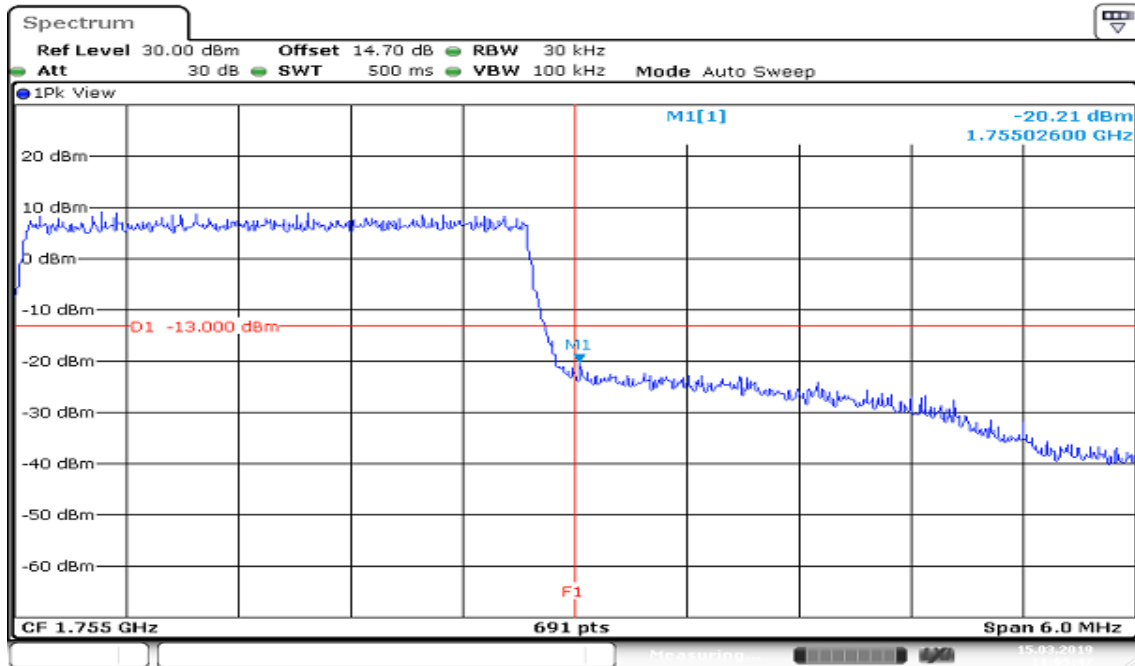
HIGHER BAND EDGE



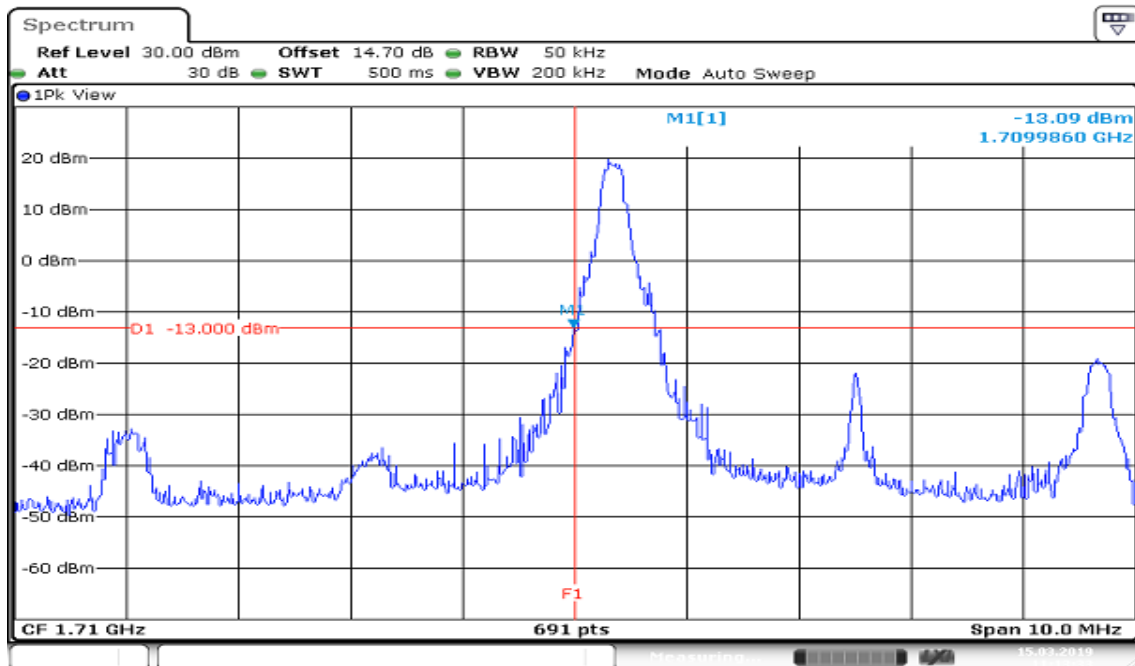
CHANNEL BANDWIDTH: 3MHz / 16QAM / 100%RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE

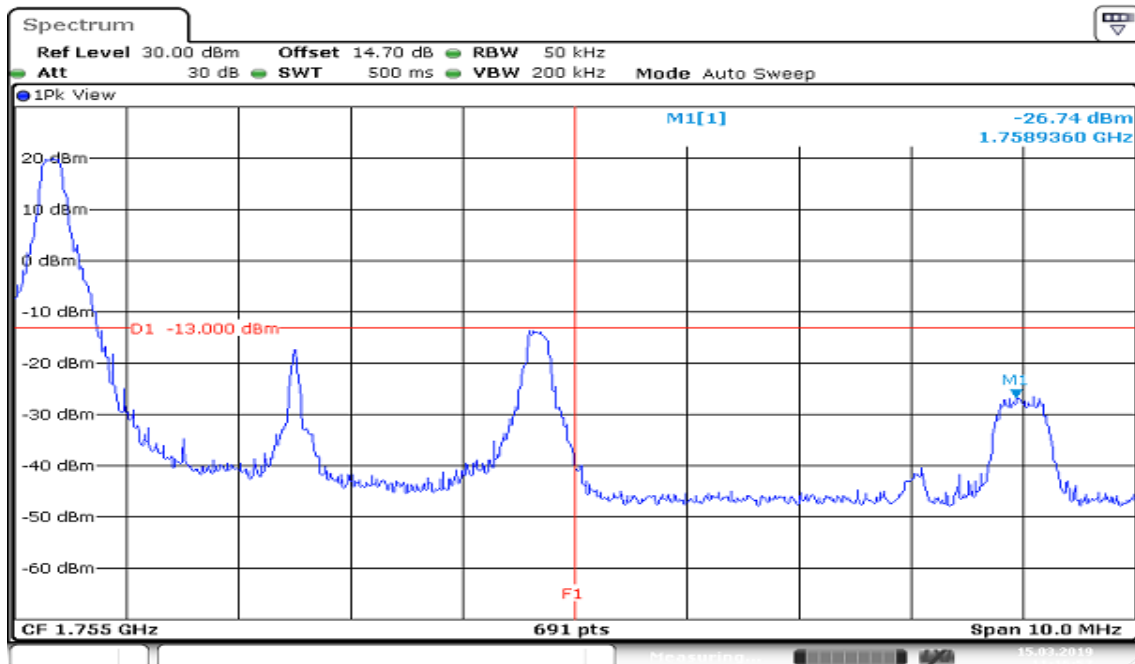


CHANNEL BANDWIDTH: 5MHz / 16QAM / 1RB ALLOCATED LOWER BAND EDGE



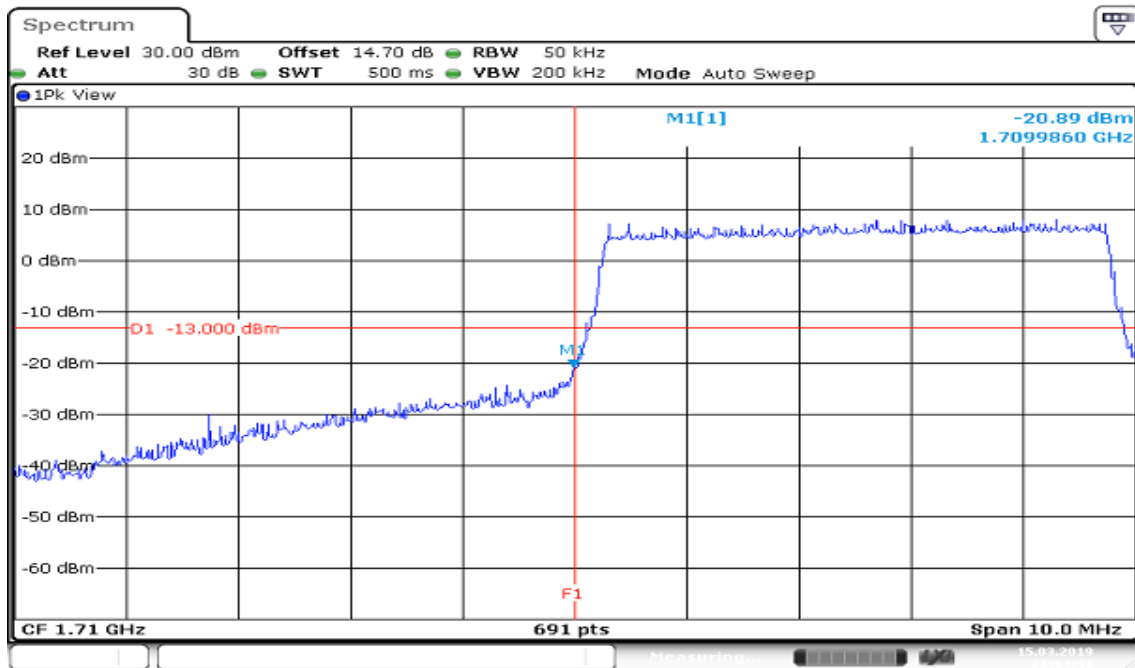
Date: 15.MAR.2019 11:13:33

HIGHER BAND EDGE

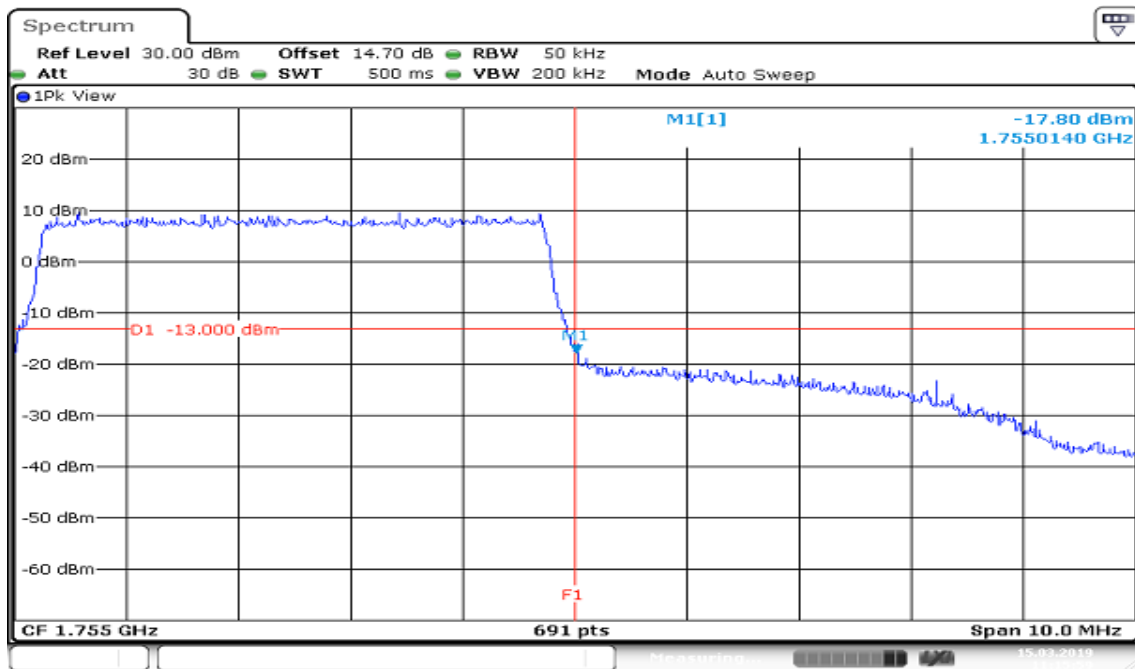


Date: 15.MAR.2019 11:16:58

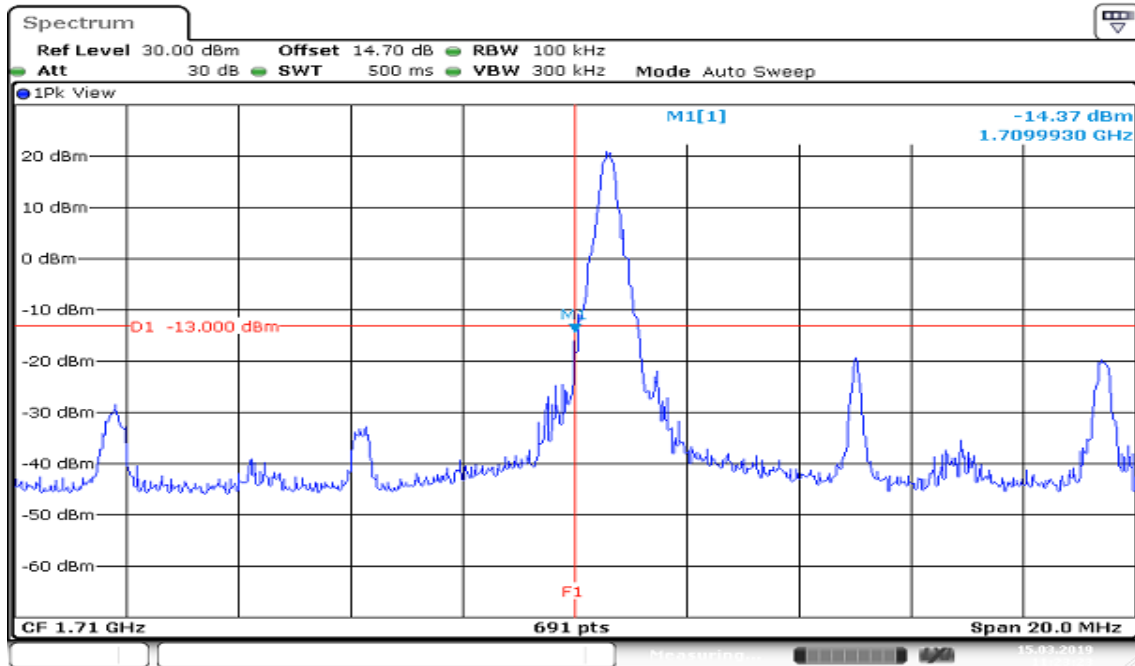
CHANNEL BANDWIDTH: 5MHz / 16QAM / 100%RB ALLOCATED LOWER BAND EDGE



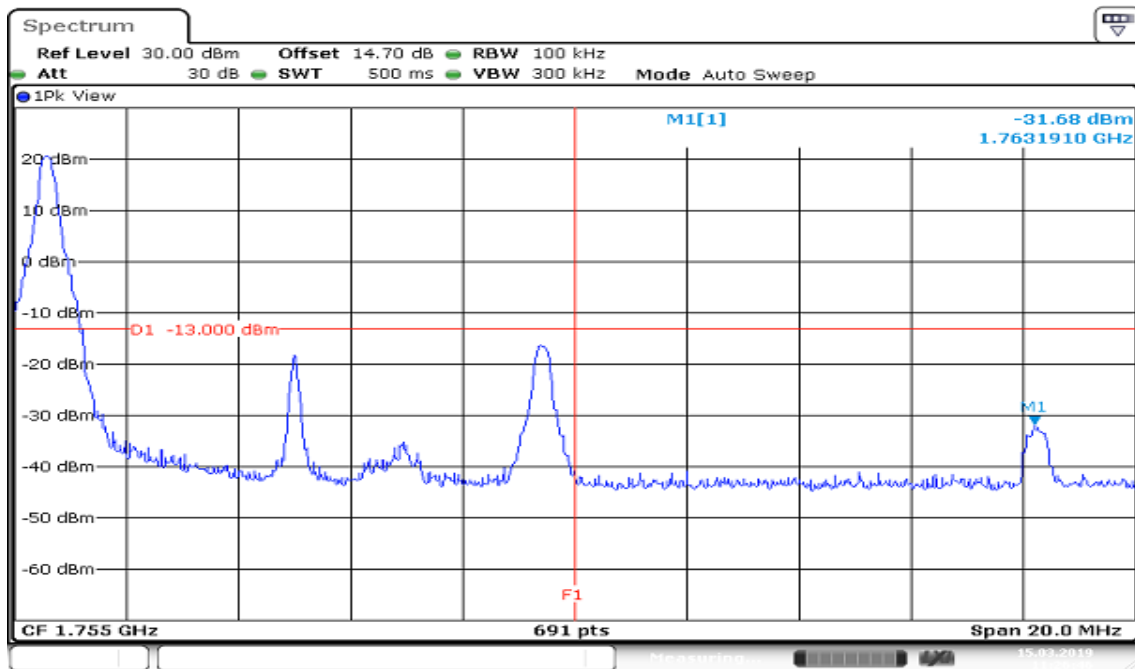
HIGHER BAND EDGE



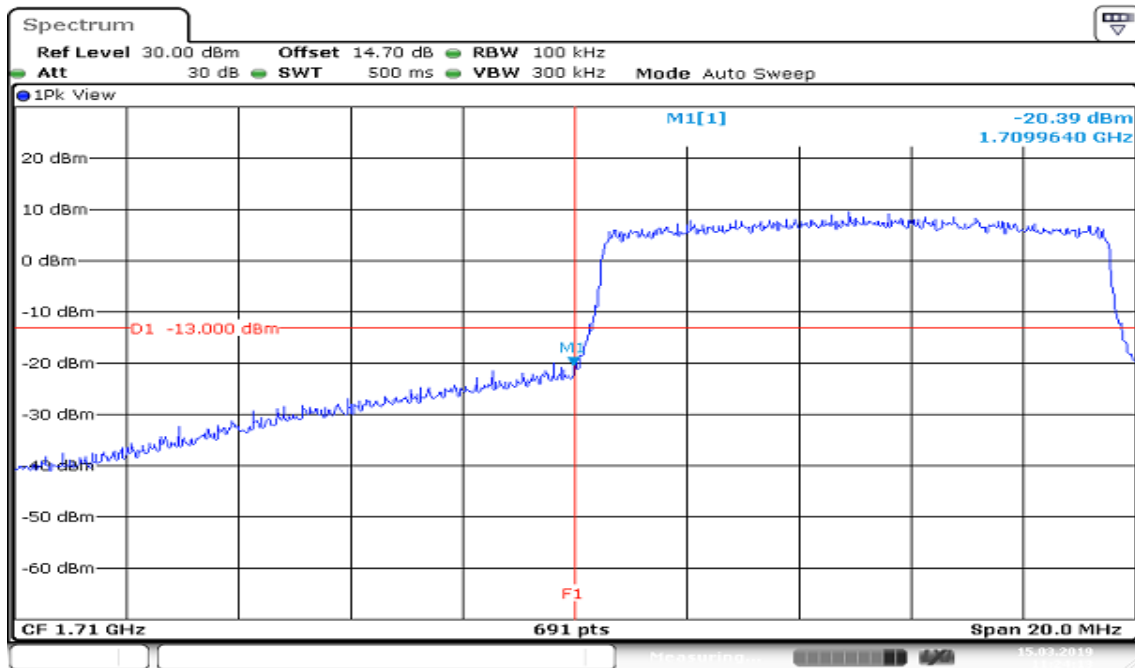
CHANNEL BANDWIDTH: 10MHz / 16QAM / 1RB ALLOCATED LOWER BAND EDGE



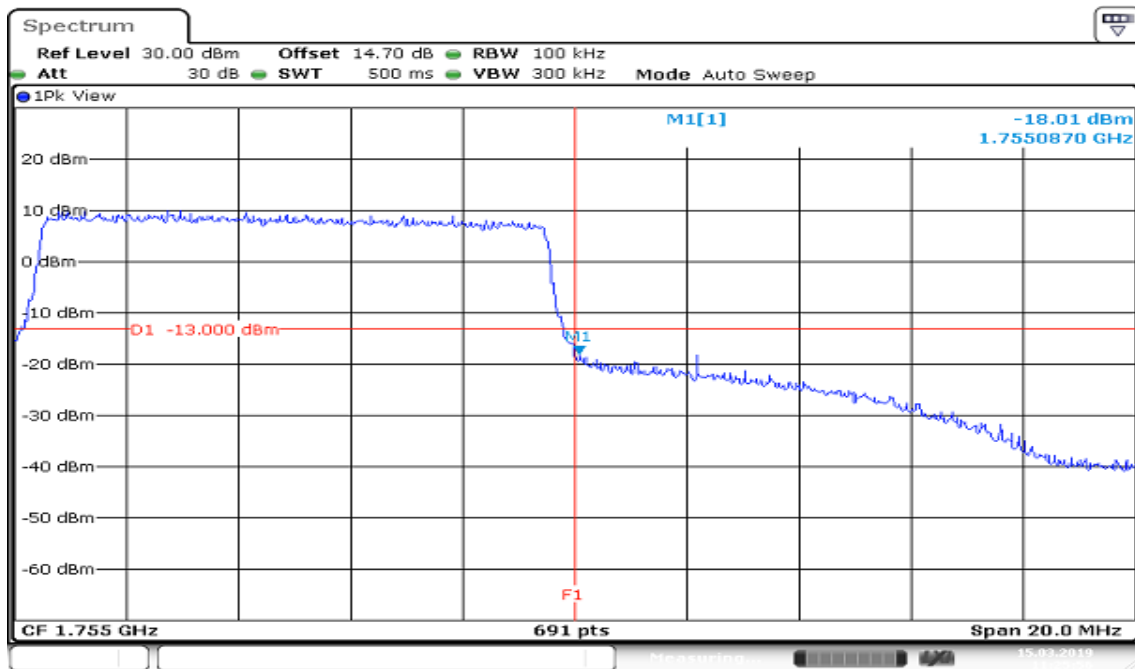
HIGHER BAND EDGE



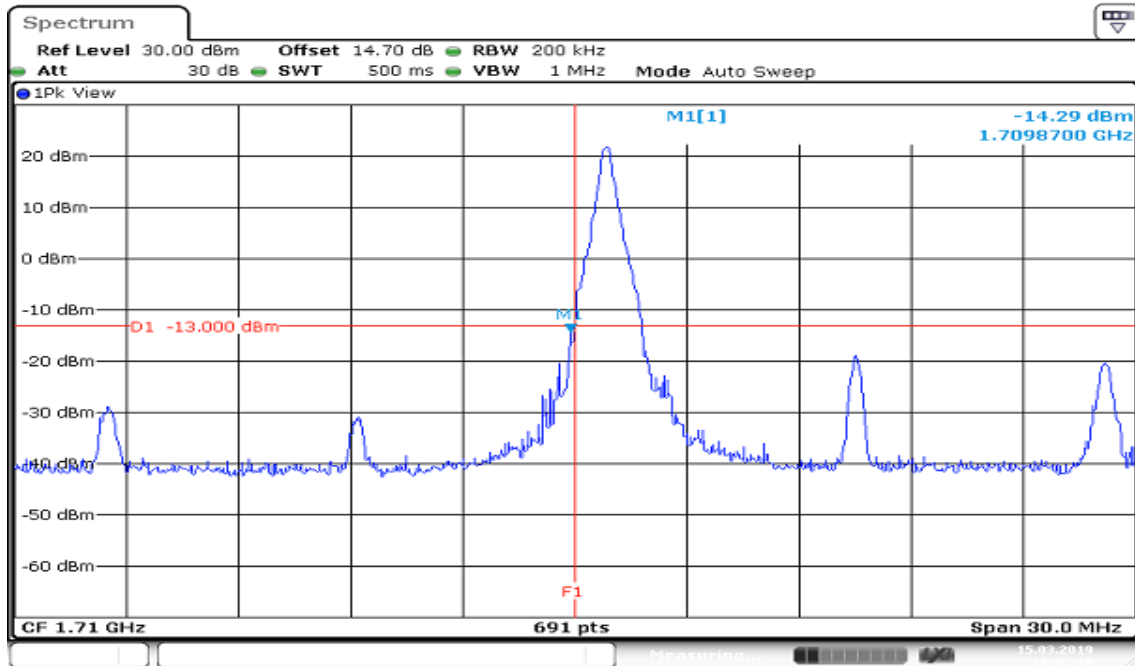
CHANNEL BANDWIDTH: 10MHz / 16QAM / 100%RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE

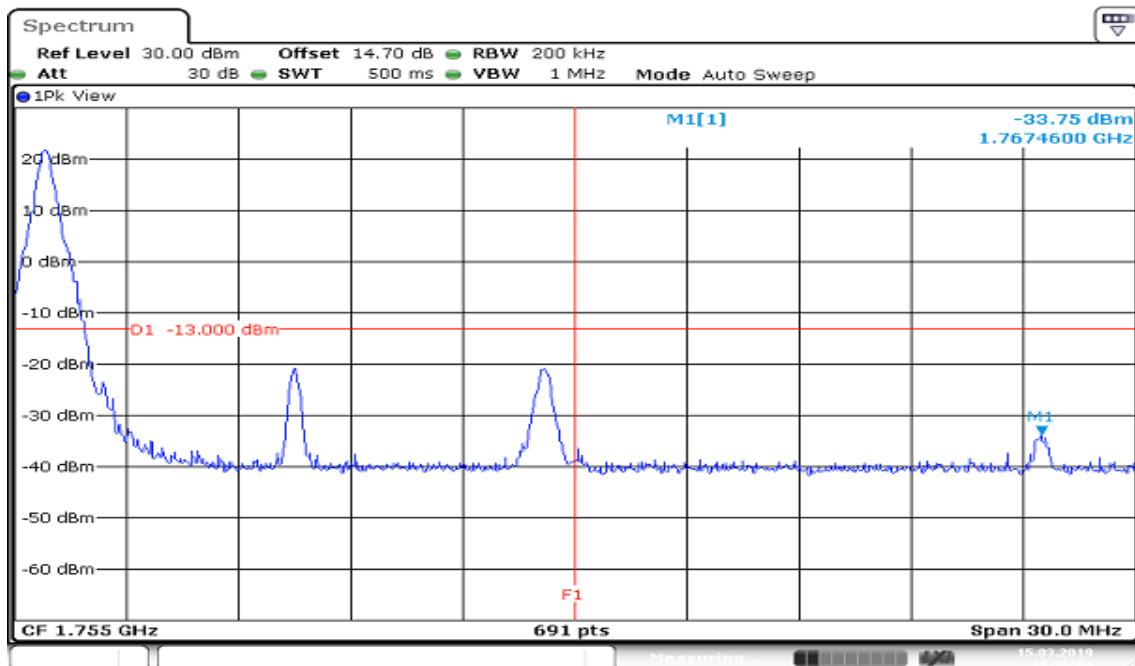


CHANNEL BANDWIDTH: 15MHz / 16QAM / 1RB ALLOCATED LOWER BAND EDGE



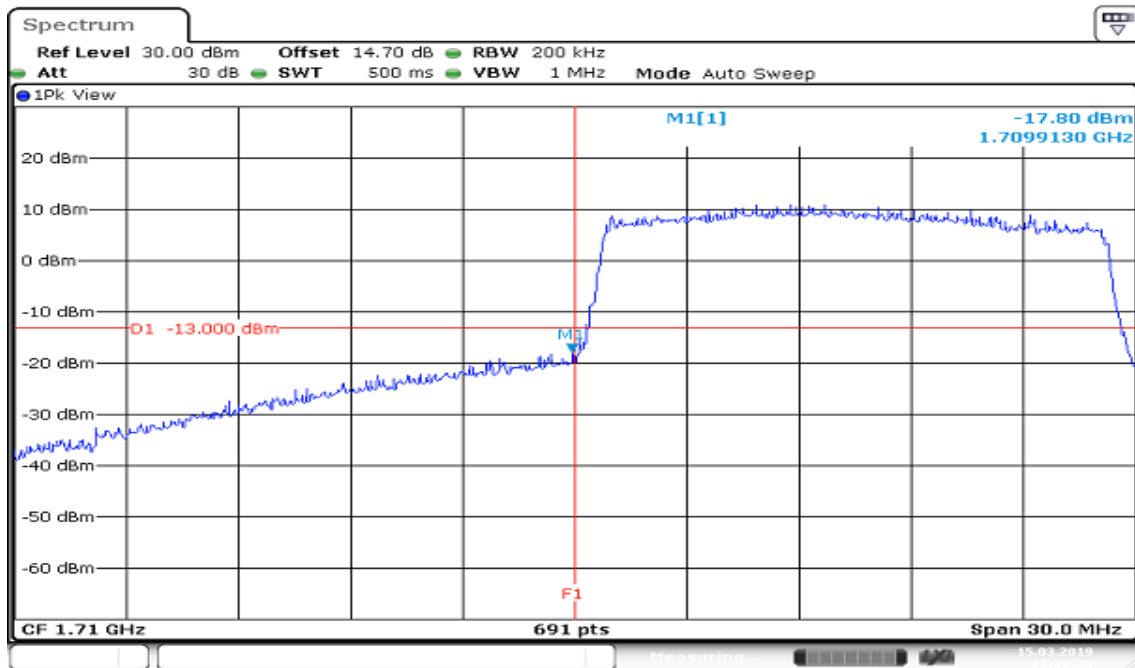
Date: 15.MAR.2019 11:32:10

HIGHER BAND EDGE

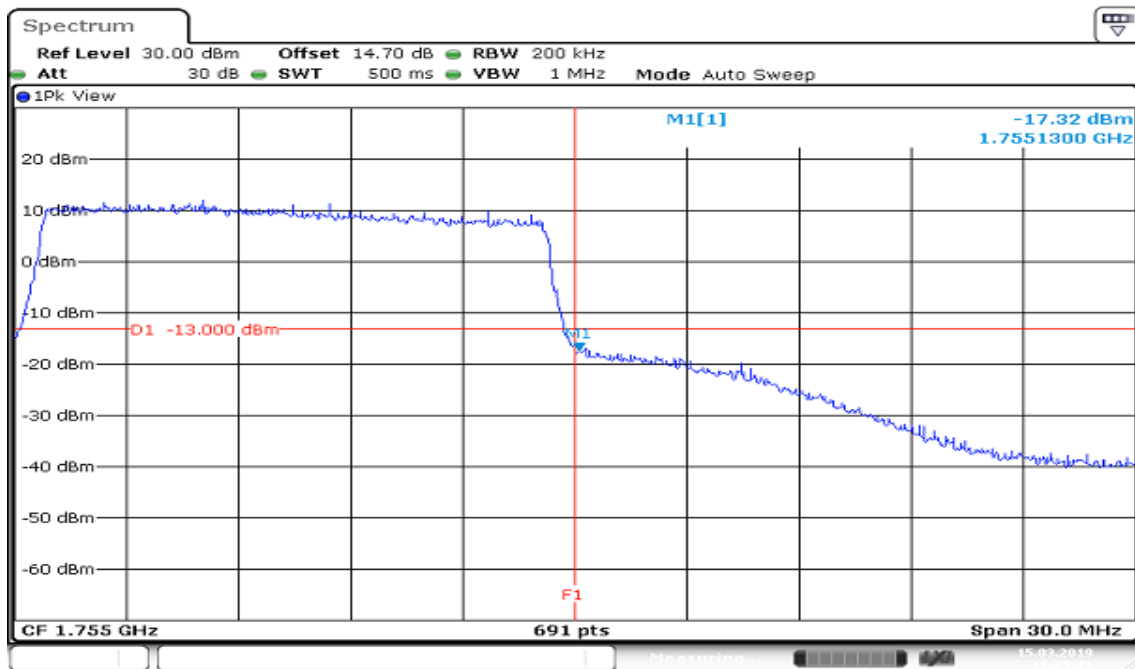


Date: 15.MAR.2019 11:36:04

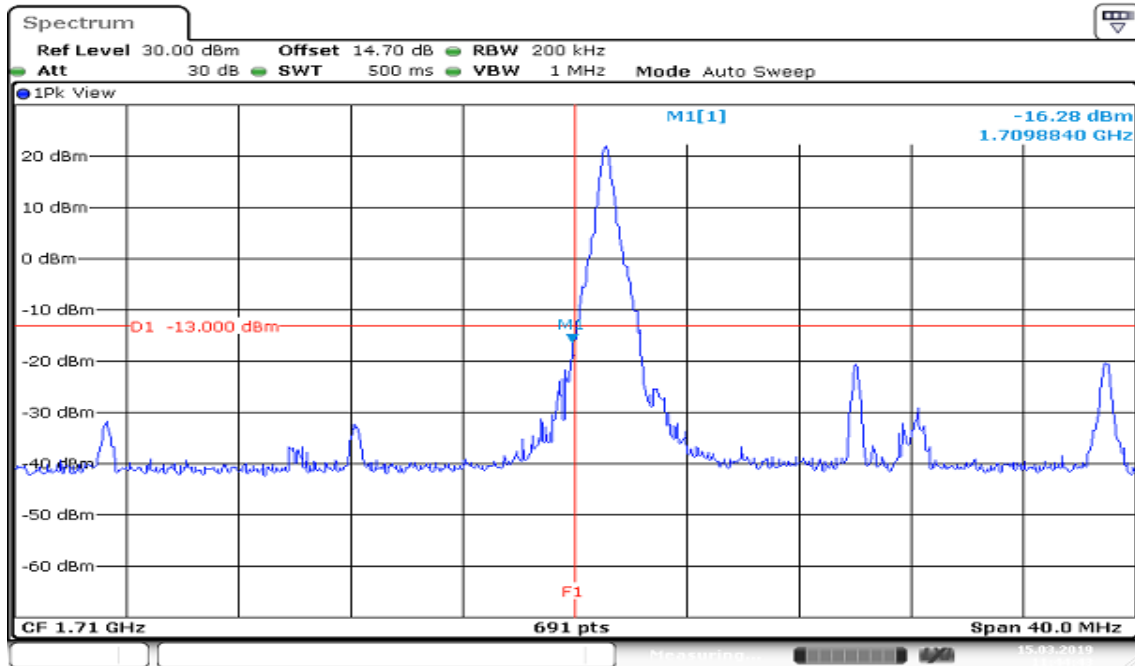
CHANNEL BANDWIDTH: 15MHz / 16QAM / 100%RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE

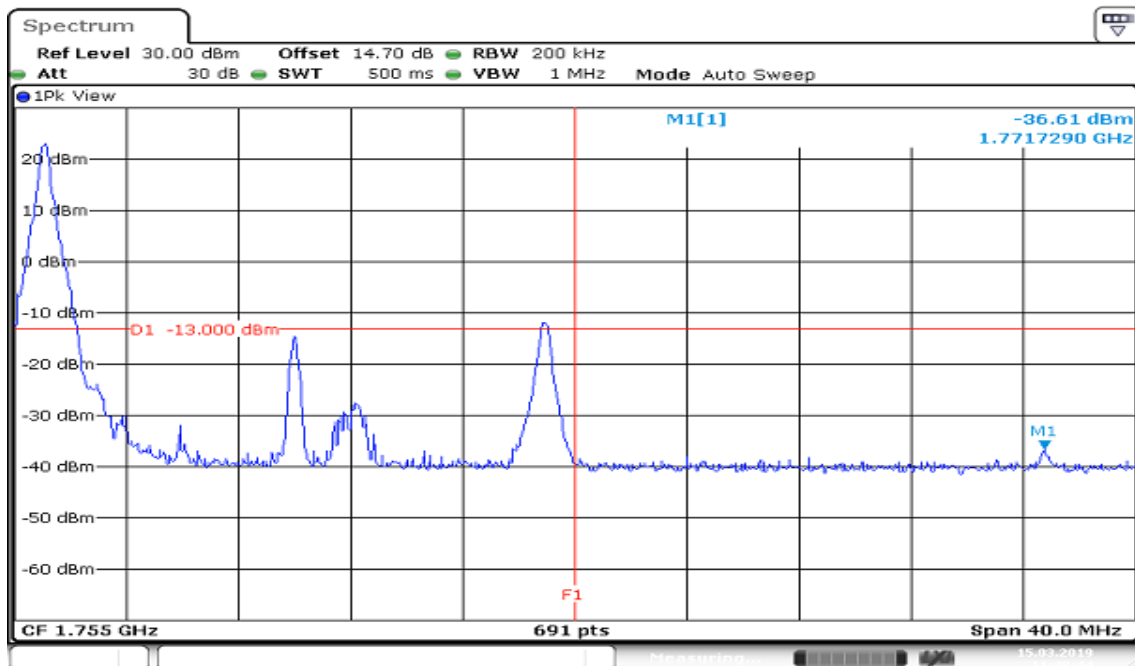


CHANNEL BANDWIDTH: 20MHz / 16QAM / 1RB ALLOCATED LOWER BAND EDGE



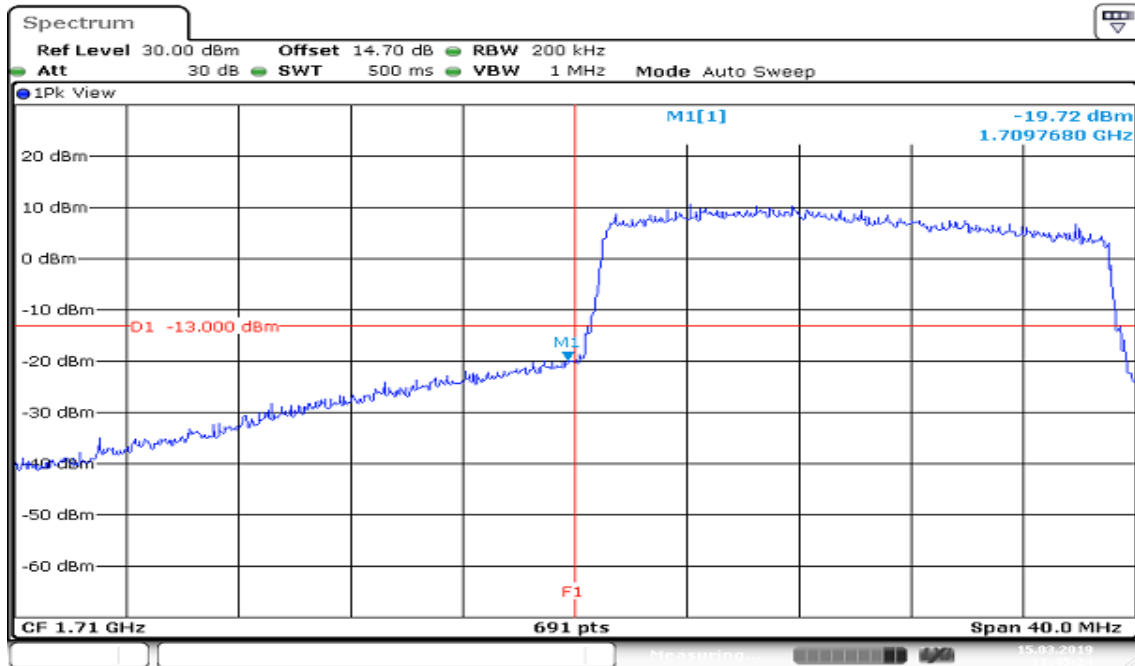
Date: 15.MAR.2019 11:44:43

HIGHER BAND EDGE

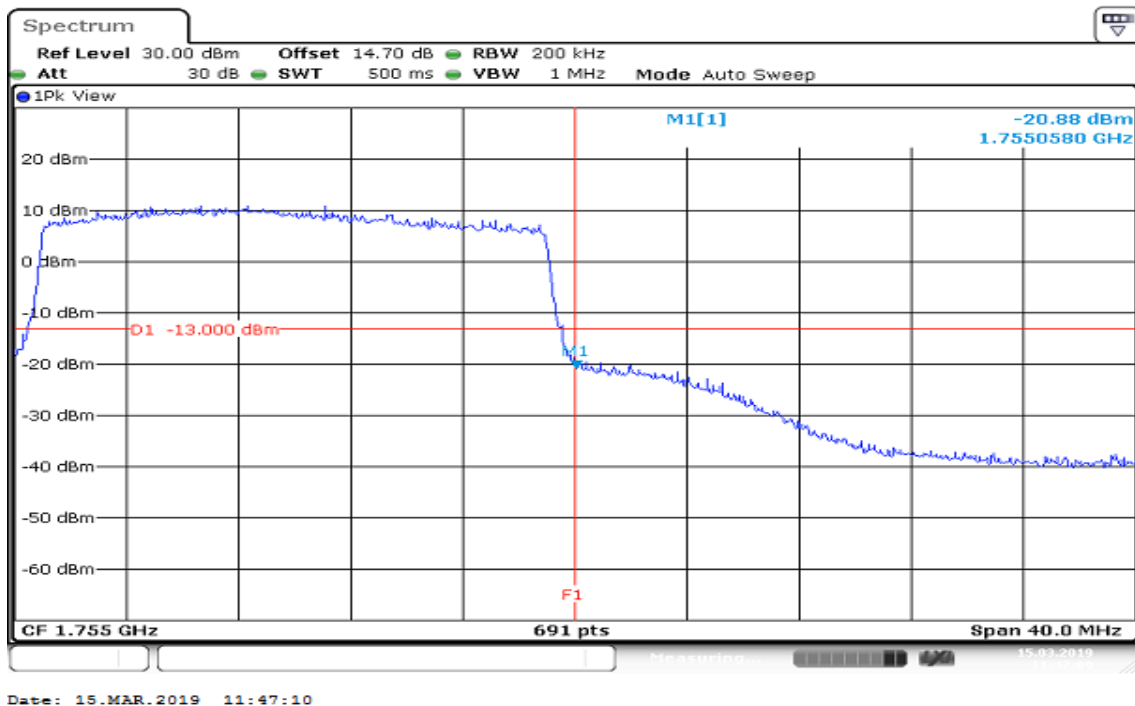


Date: 15.MAR.2019 11:48:45

CHANNEL BANDWIDTH: 20MHz / 16QAM / 100%RB ALLOCATED LOWER BAND EDGE



HIGHER BAND EDGE



8.7 CONDUCTED SPURIOUS EMISSIONS

LIMITS

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) by at least $43 + 10 \log_{10}(P)$ dB. The limit of emission equal to -13dBm

TEST PROCEDURES

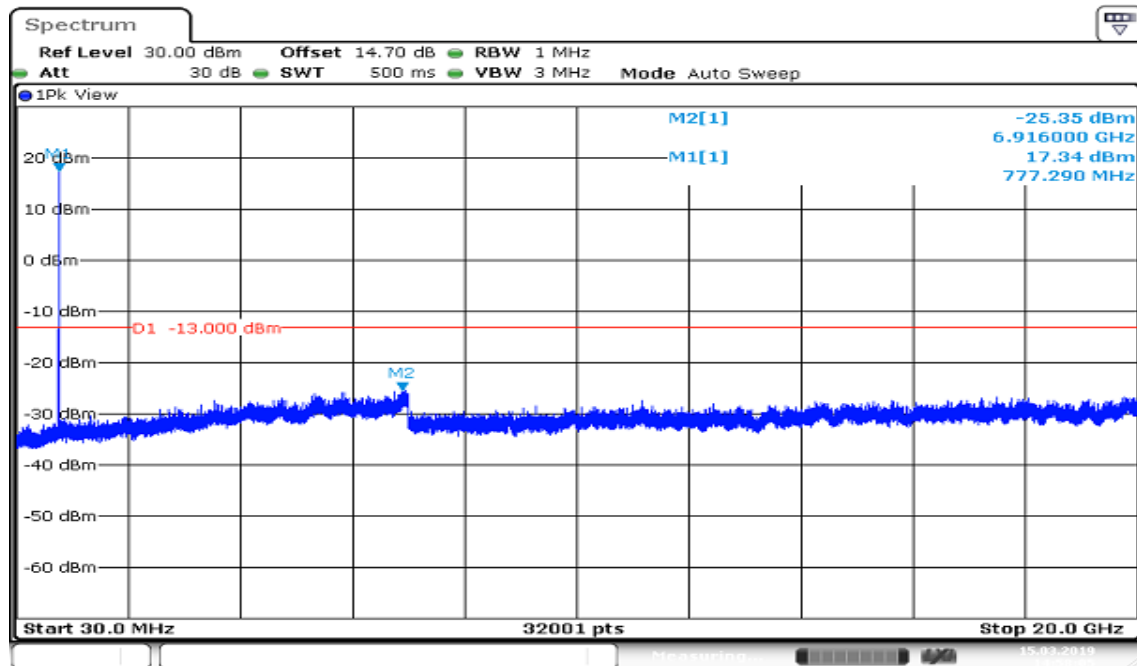
1. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).
2. The conducted spurious emission used the power splitter via EUT RF power connector between simulation base station and spectrum analyzer.
3. When the spectrum scanned from 30MHz to 3GHz, it shall be connected to the band reject filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=3MHz.
4. When the spectrum scanned from 3GHz to 20GHz, it shall be connected to the high pass filter attenuated the carried frequency. The spectrum set RB=1MHz, VB=3MHz.

TEST RESULTS

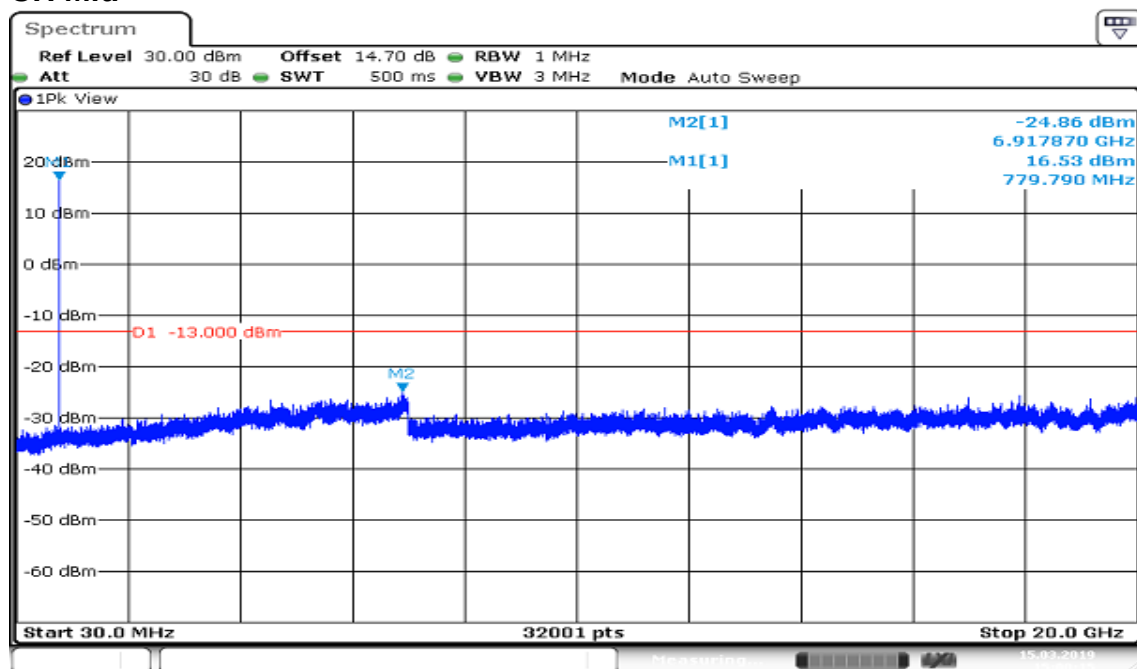
LTE Band 13

CHANNEL BANDWIDTH: 5MHz / QPSK

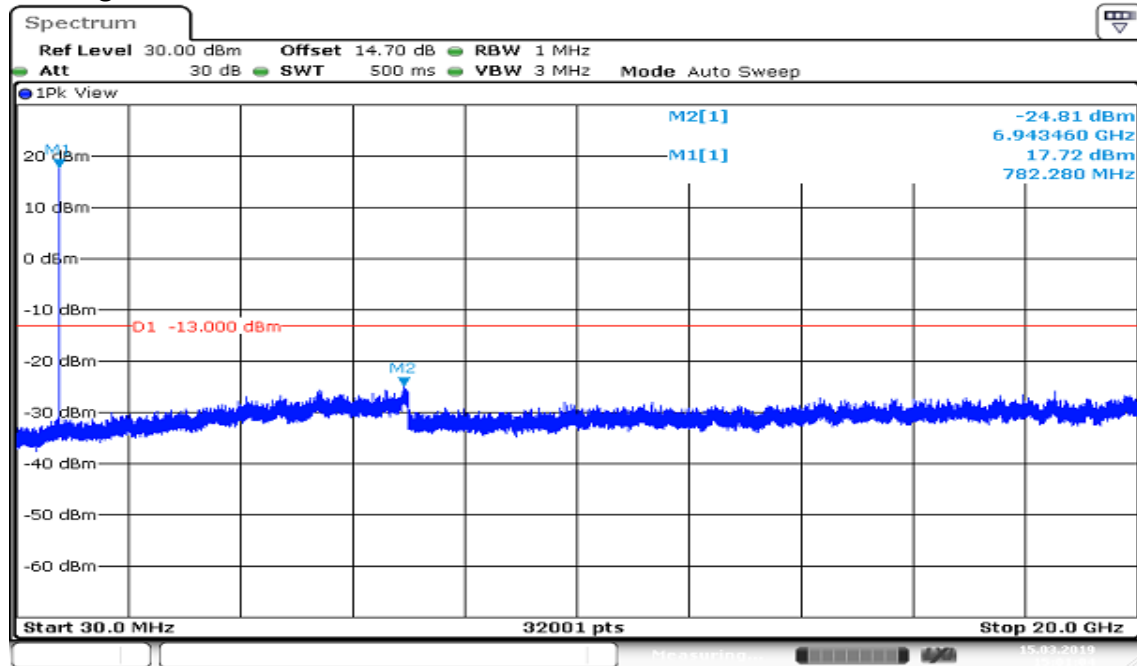
CH Low



CH Mid

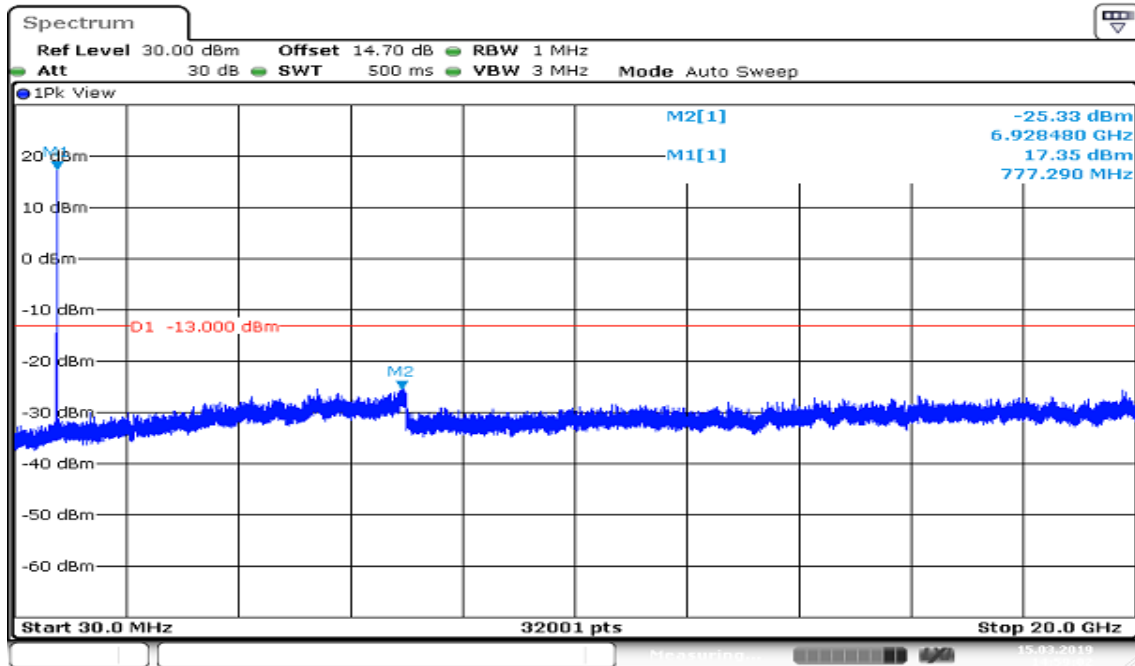


CH High

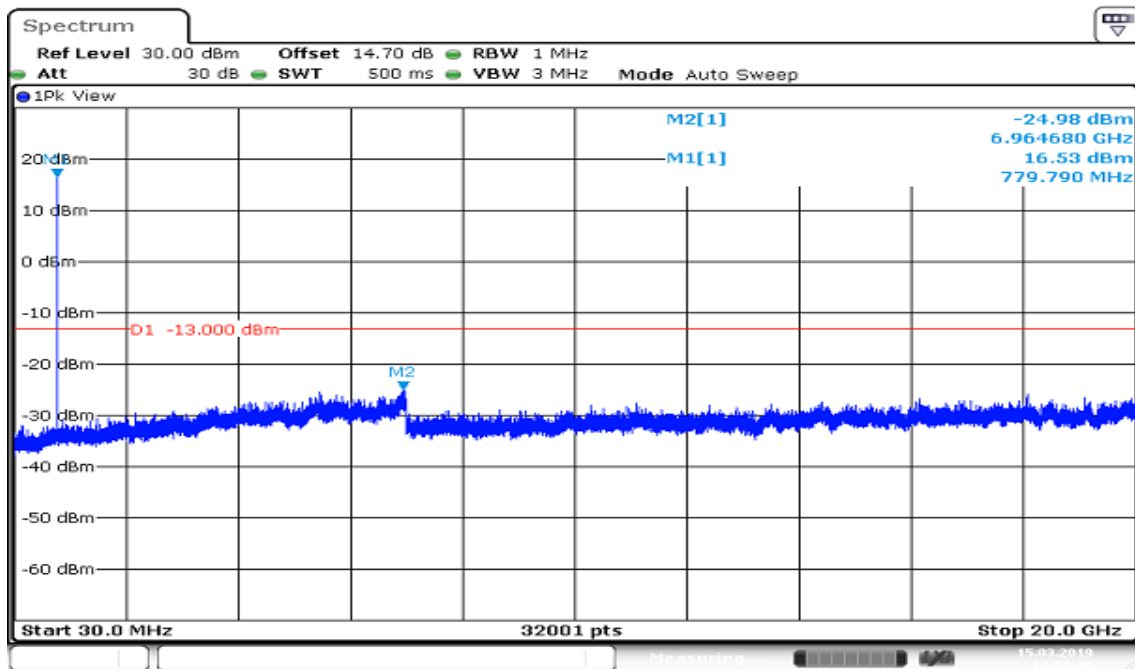


Date: 15.MAR.2019 15:01:05

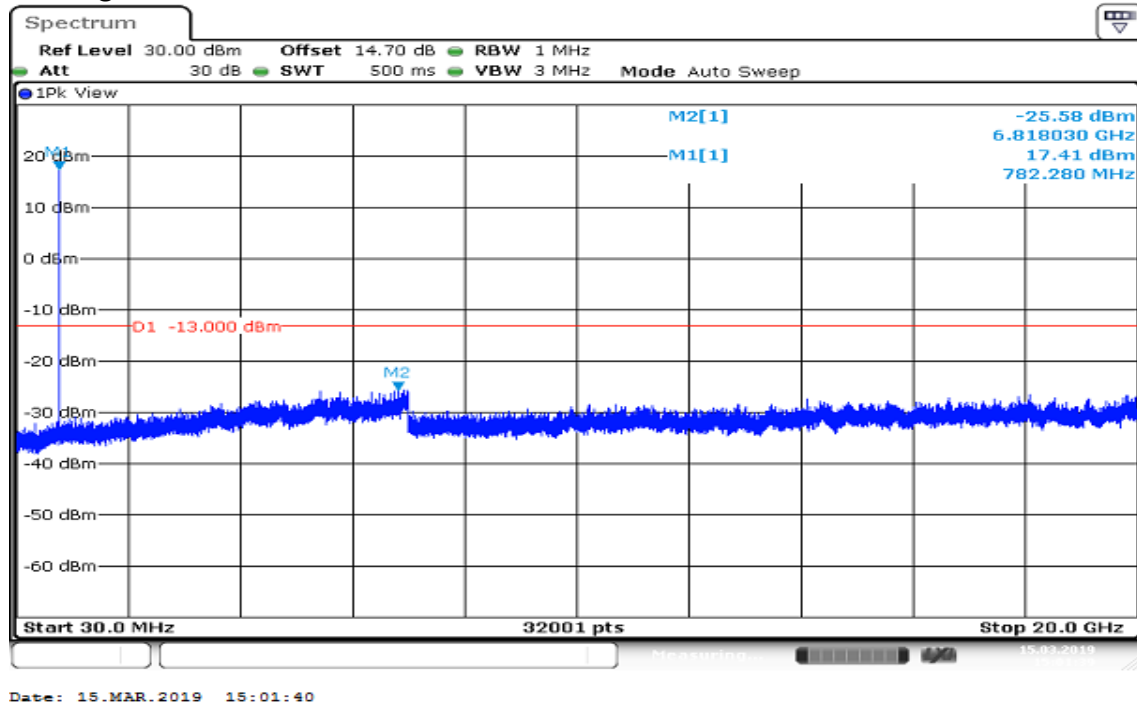
CHANNEL BANDWIDTH: 5MHz / 16QAM CH Low



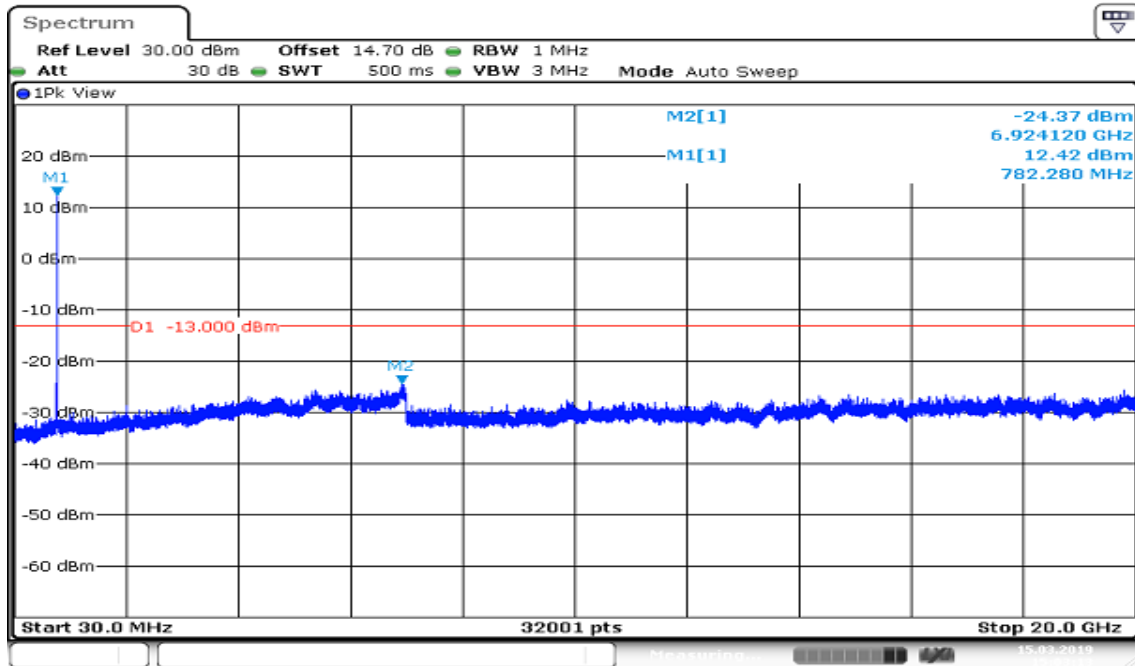
CH Mid



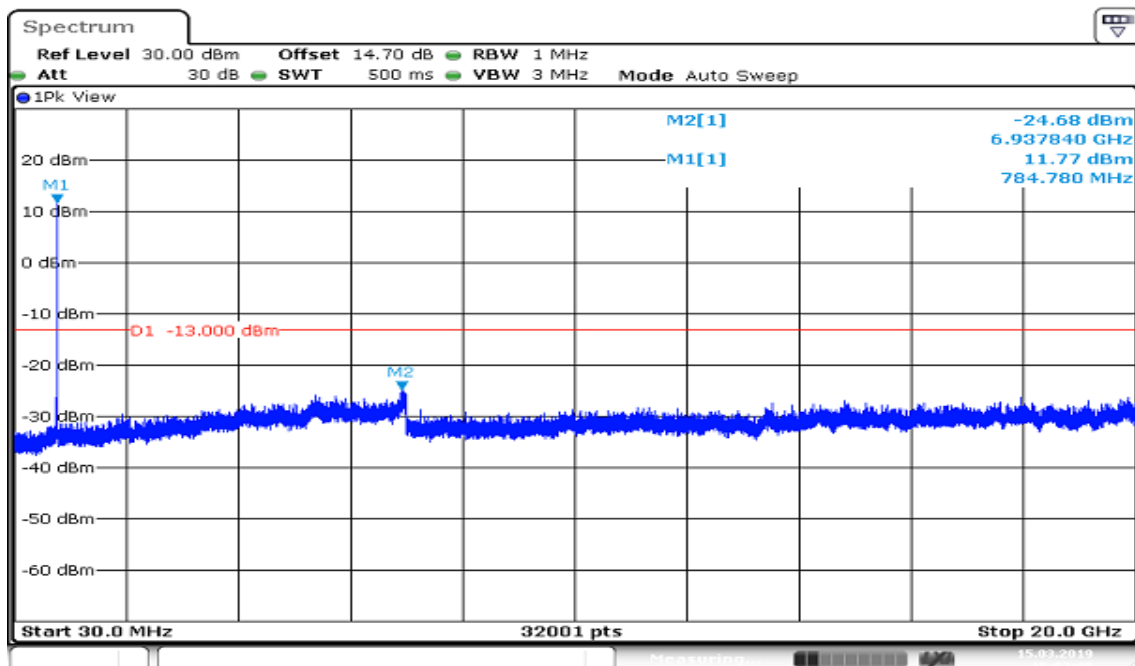
CH High



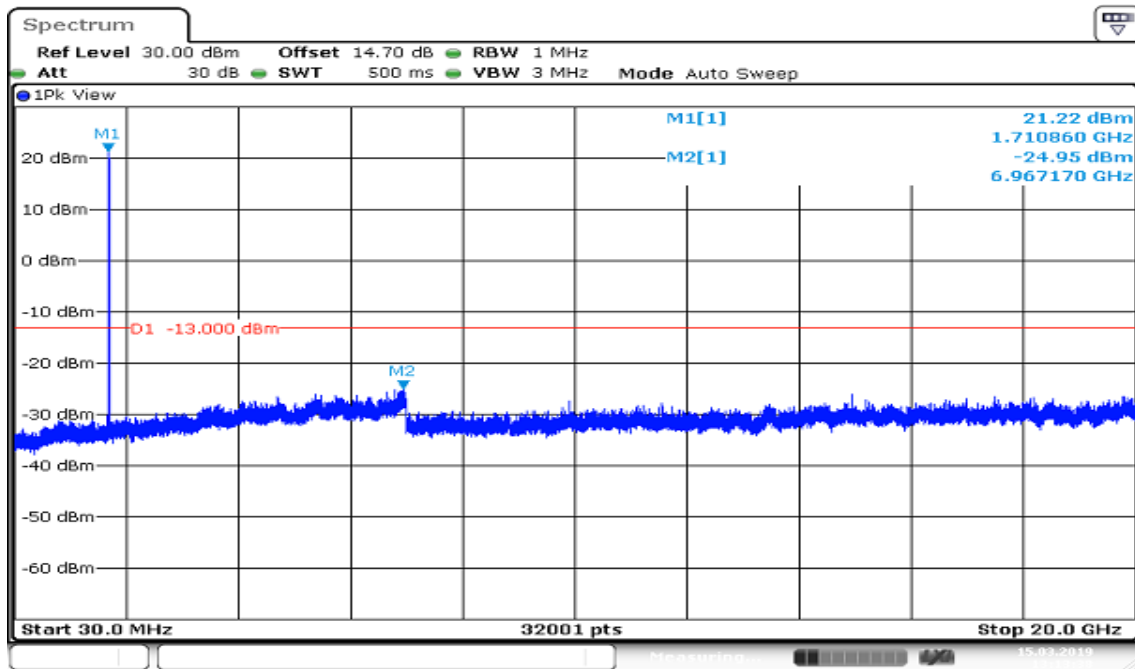
CHANNEL BANDWIDTH: 10MHz / QPSK CH Mid



CHANNEL BANDWIDTH: 10MHz / 16QAM CH Mid

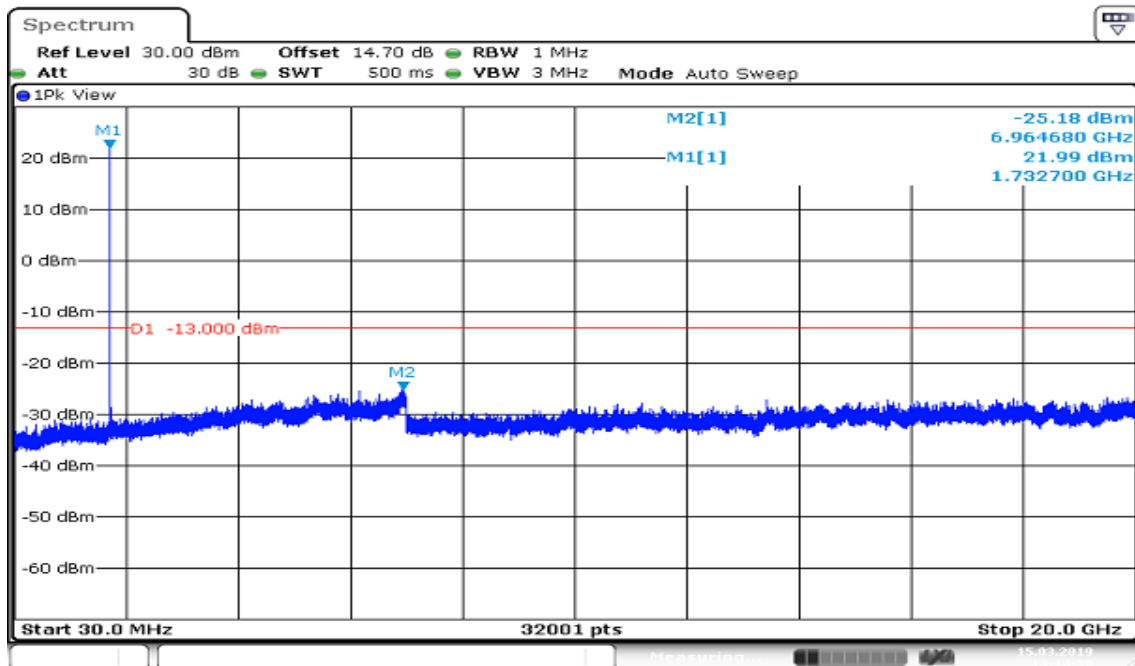


LTE Band 4 CHANNEL BANDWIDTH: 1.4MHz / QPSK CH Low



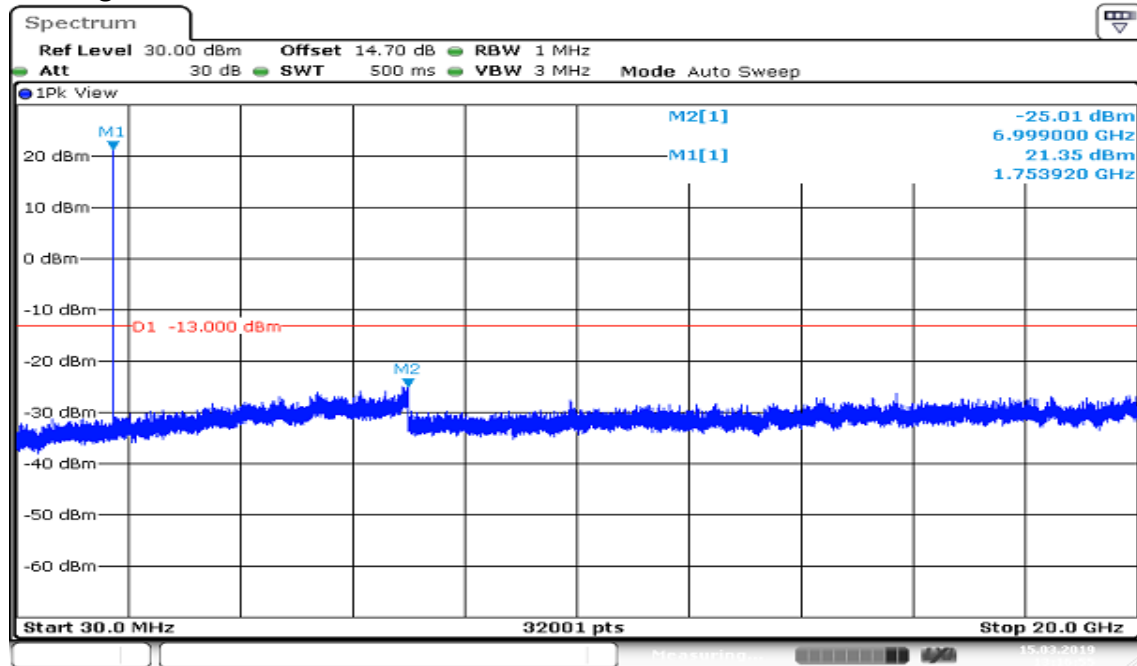
Date: 15.MAR.2019 13:13:39

CH Mid



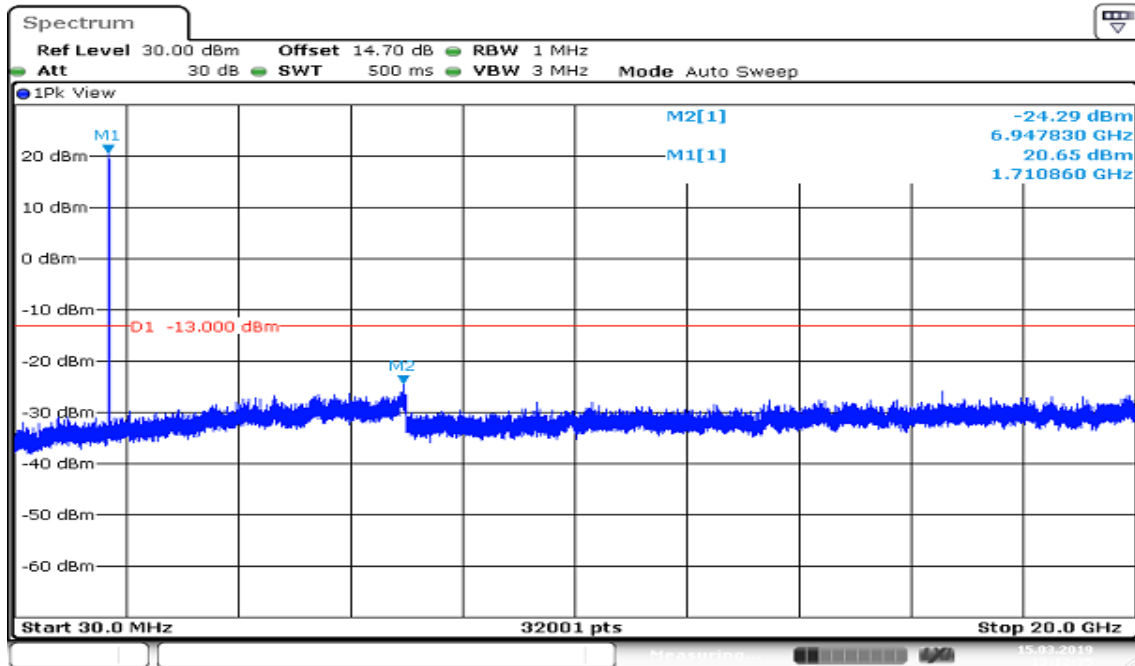
Date: 15.MAR.2019 13:14:38

CH High

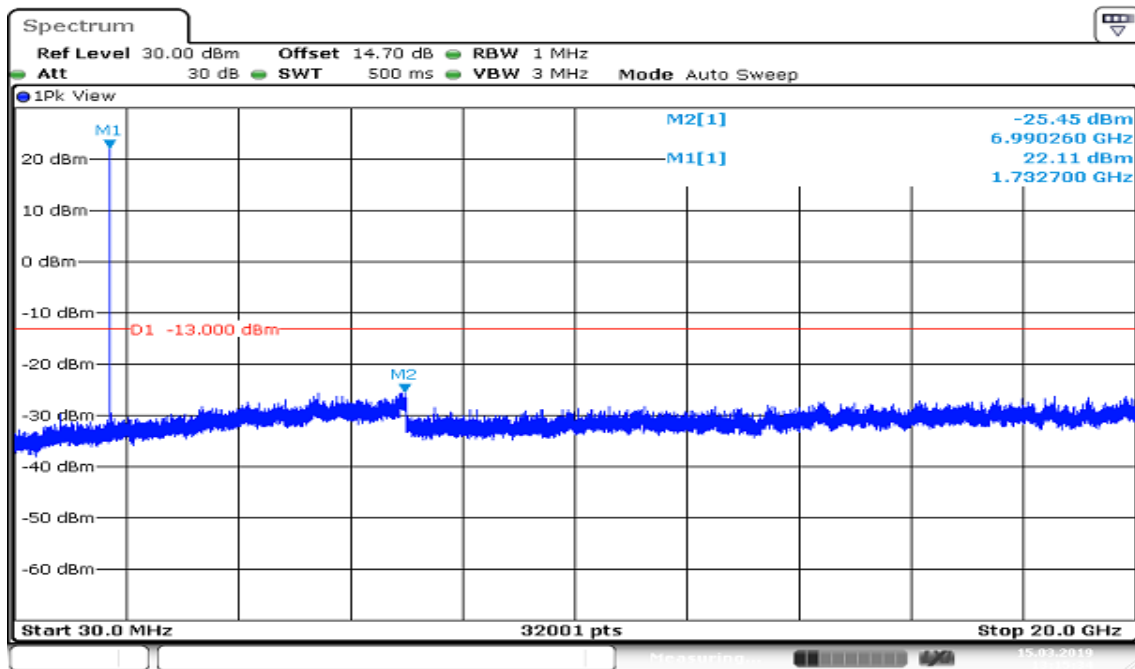


Date: 15.MAR.2019 13:16:55

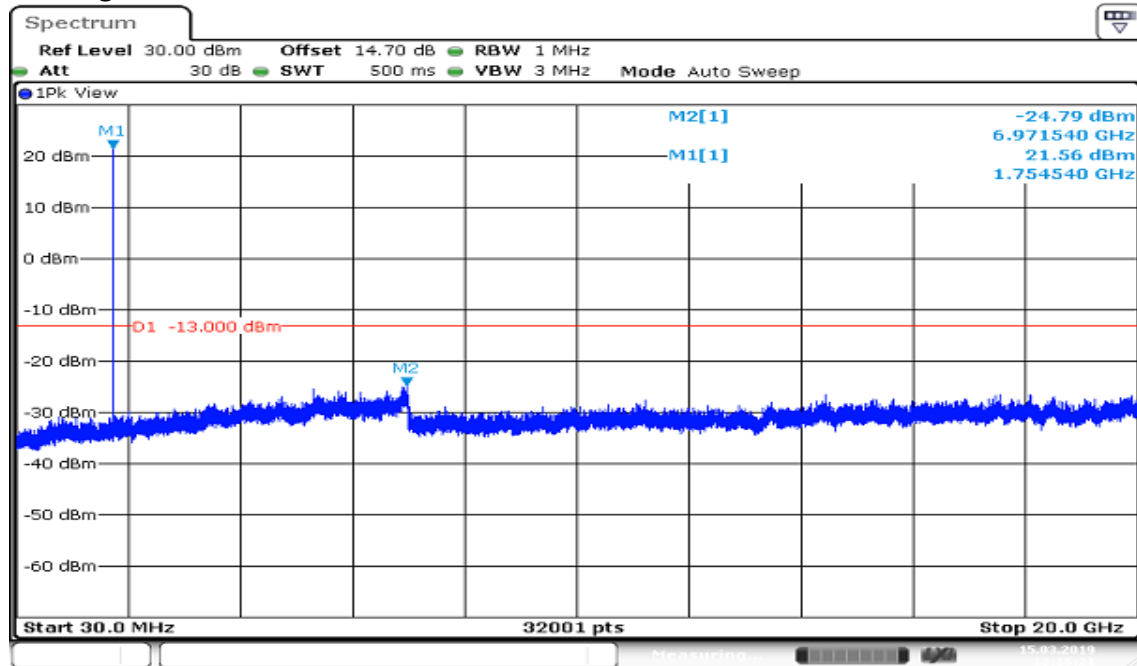
CHANNEL BANDWIDTH: 1.4MHz / 16QAM CH Low



CH Mid

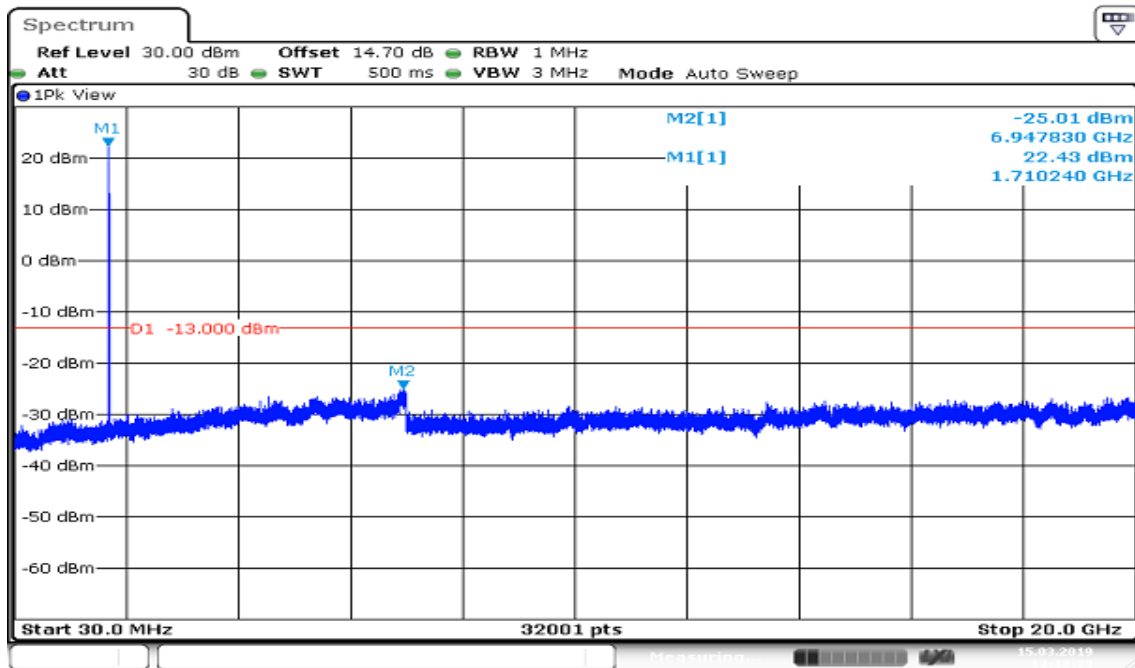


CH High

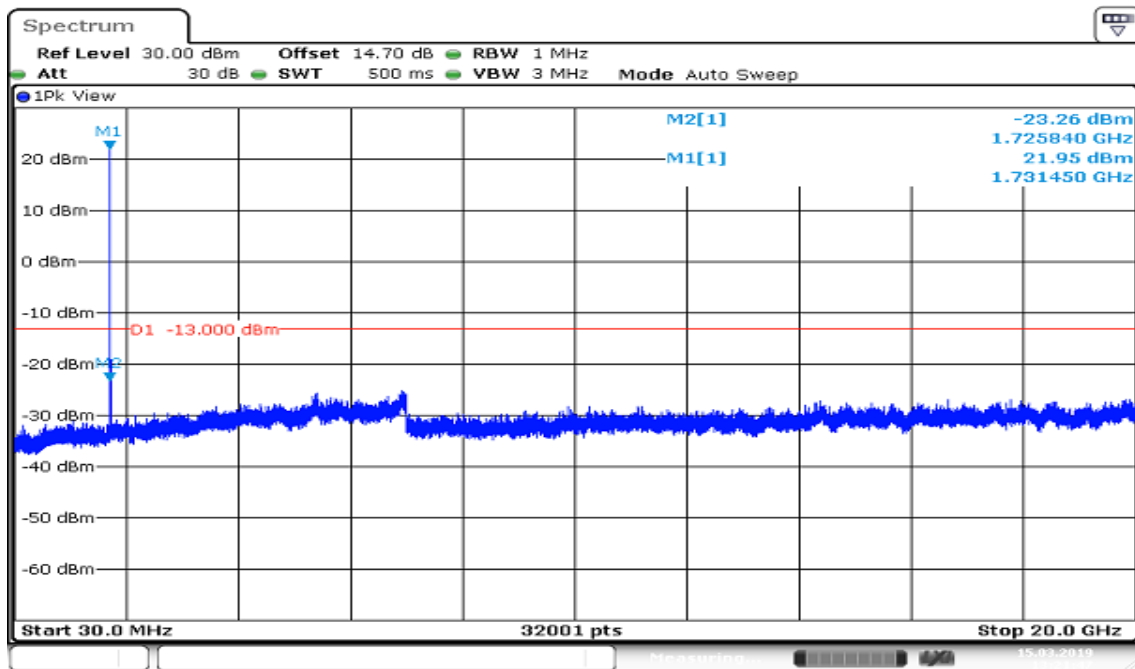


Date: 15.MAR.2019 13:16:22

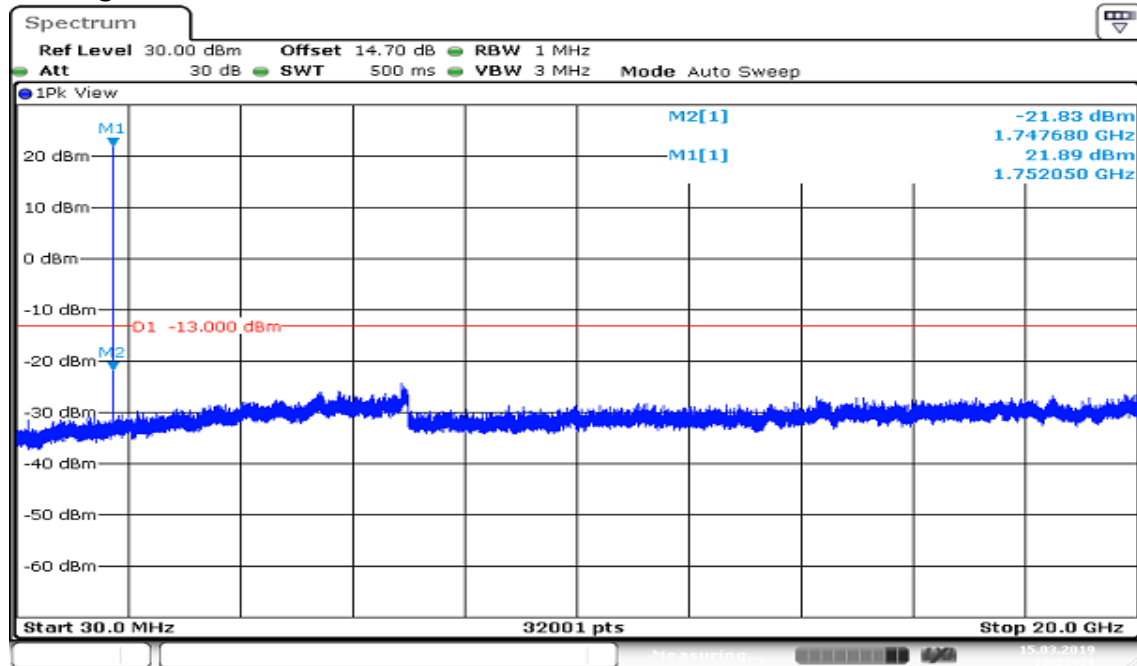
CHANNEL BANDWIDTH: 3MHz / QPSK CH Low



CH Mid

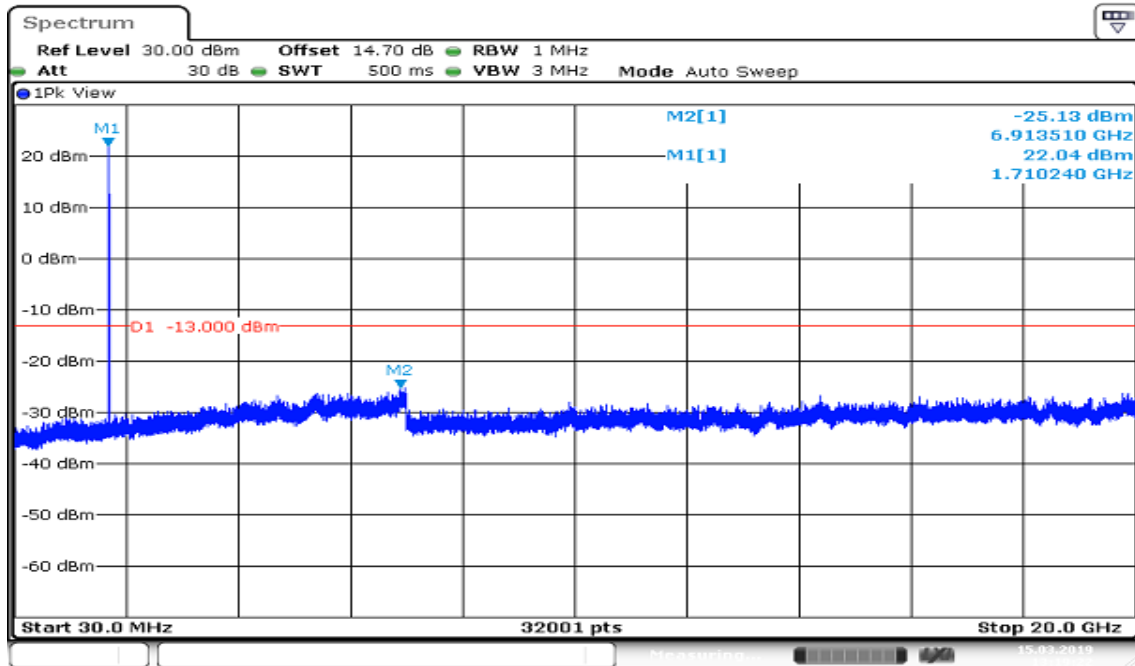


CH High

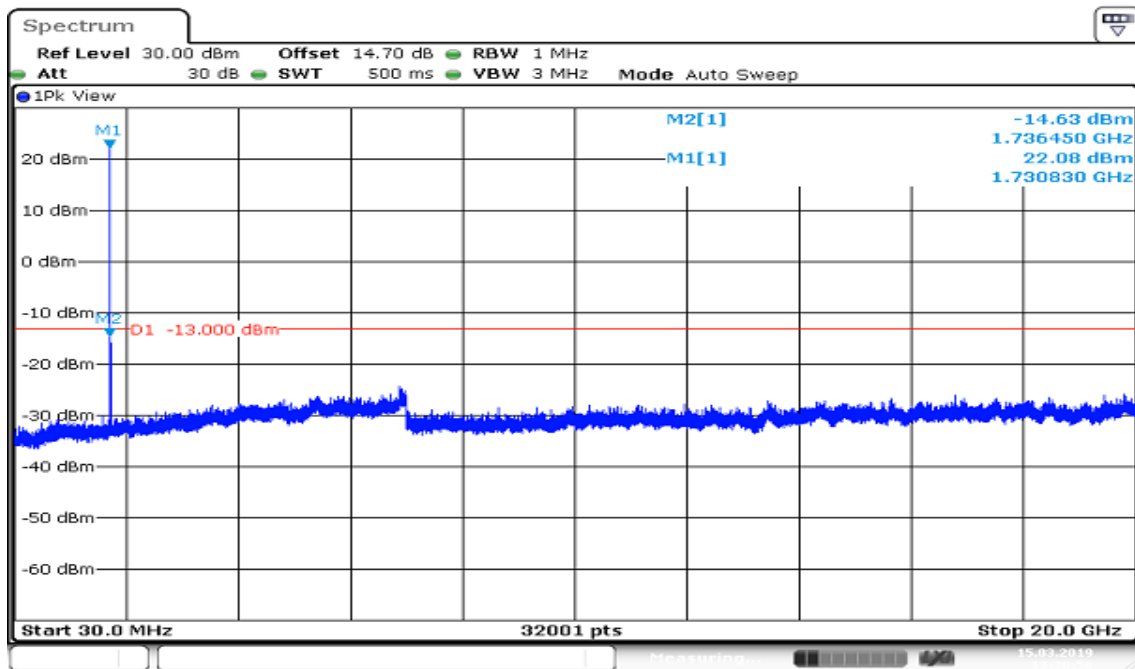


Date: 15.MAR.2019 13:22:31

CHANNEL BANDWIDTH: 3MHz / 16QAM CH Low

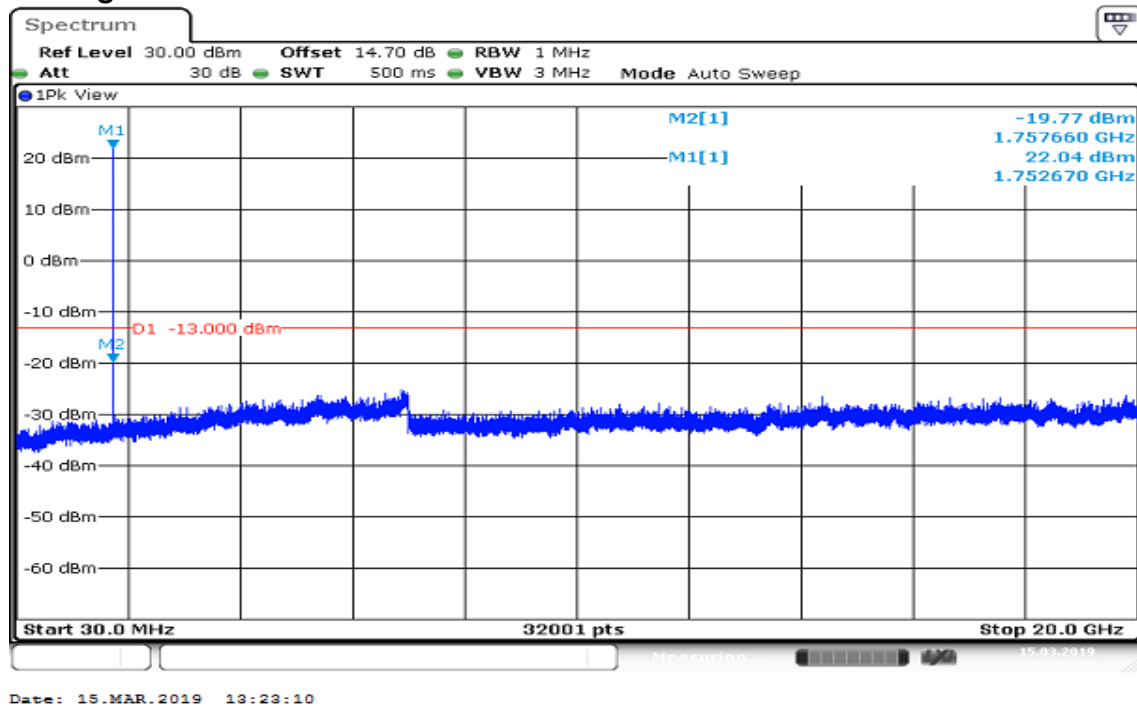


CH Mid

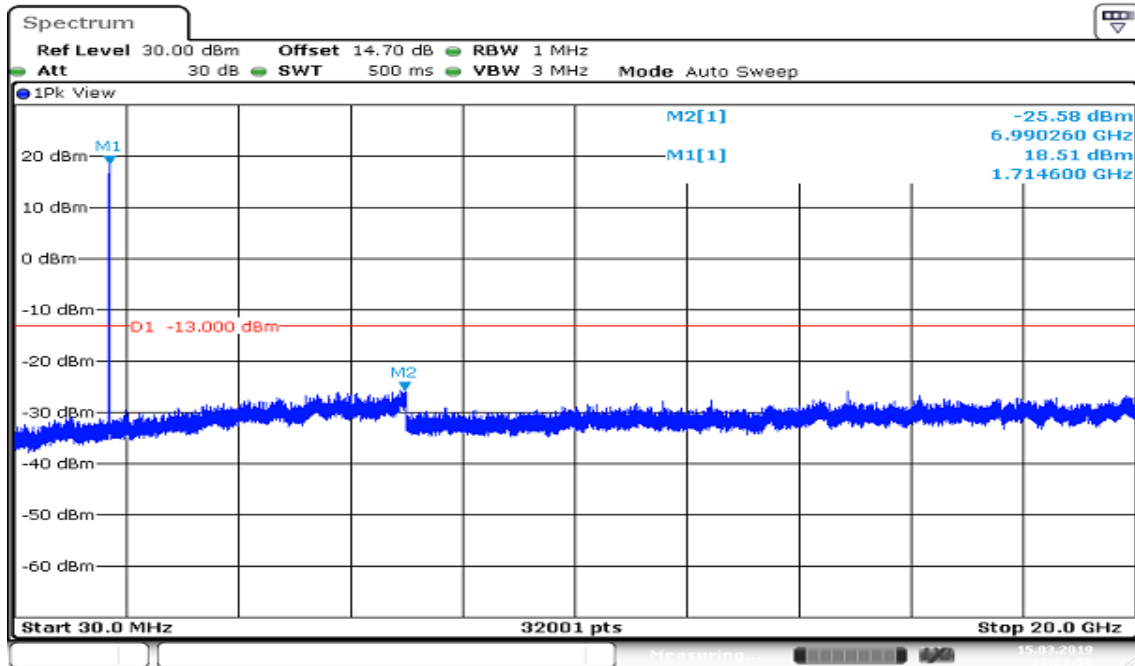


Report No.: T181222W03-RP

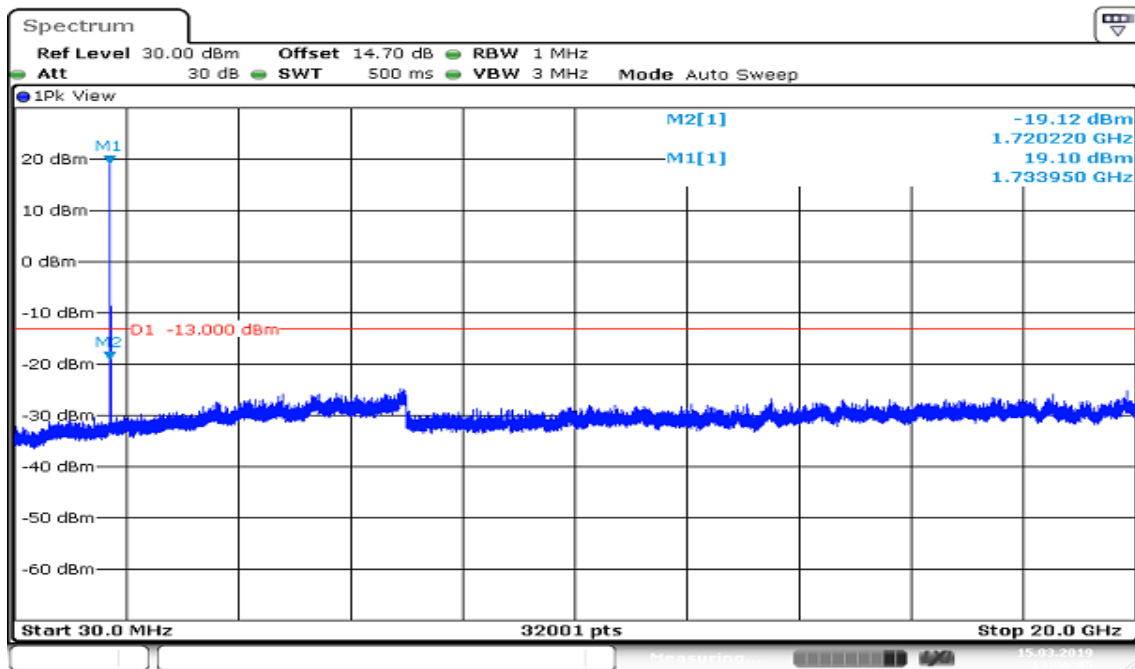
CH High



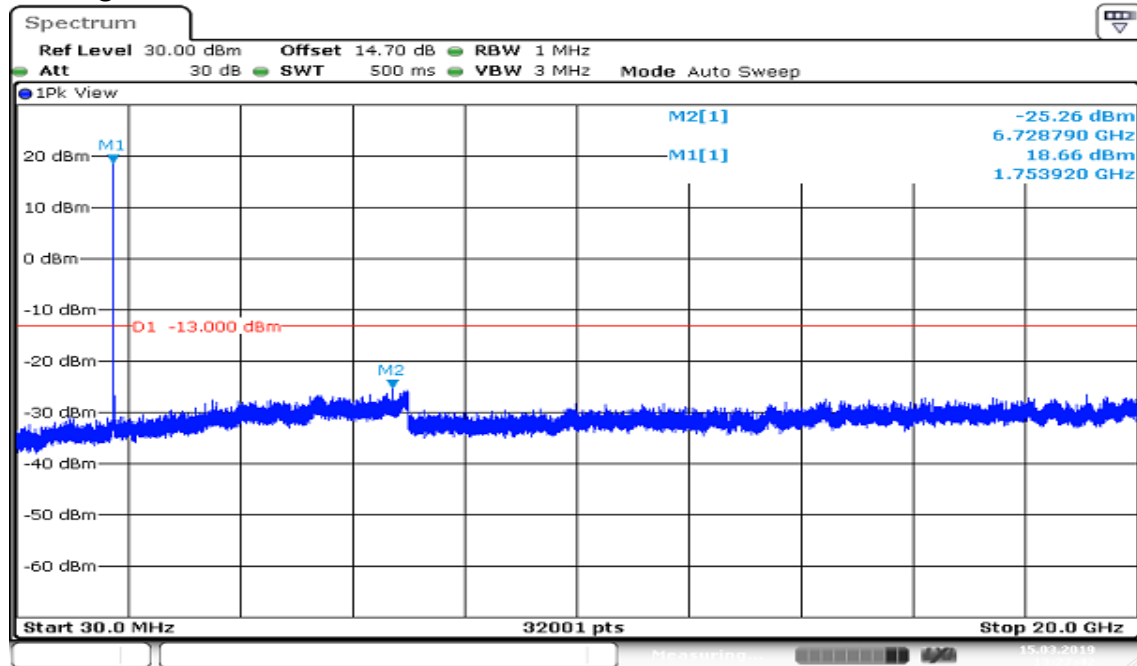
CHANNEL BANDWIDTH: 5MHz / QPSK CH Low



CH Mid

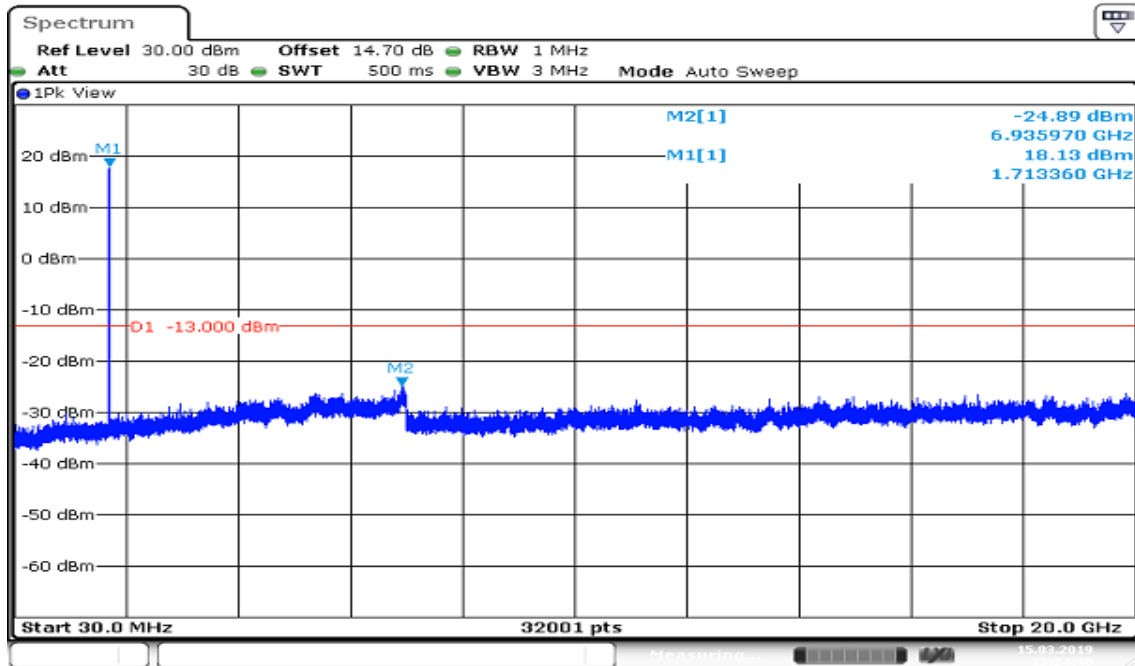


CH High

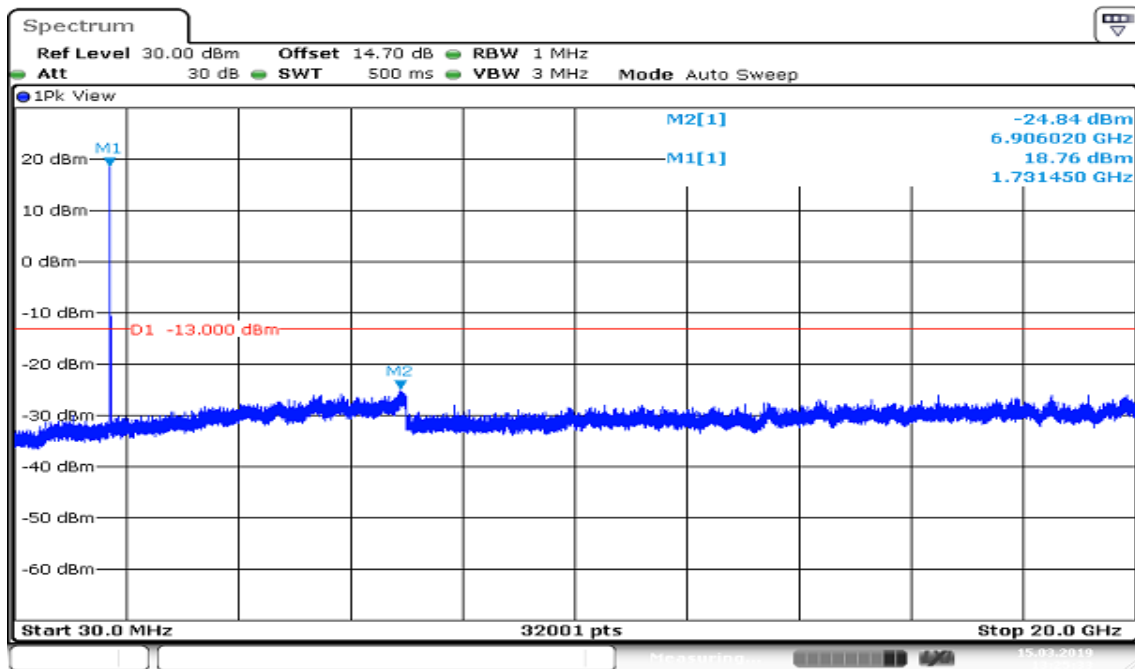


Date: 15.MAR.2019 13:27:42

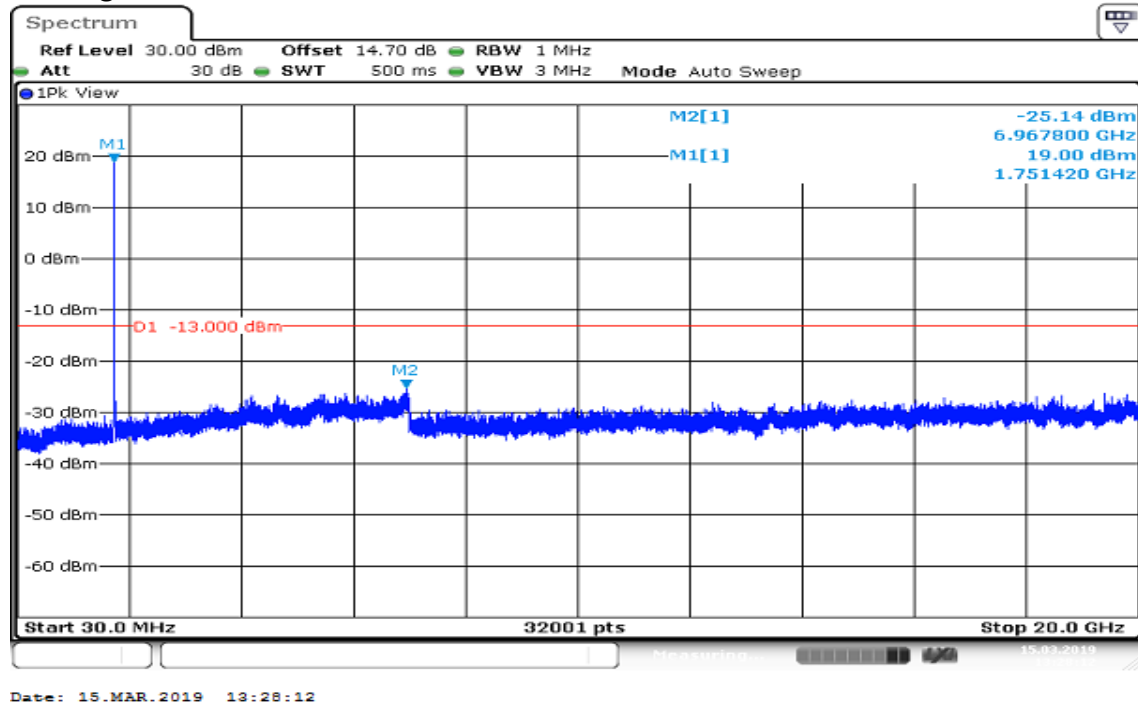
CHANNEL BANDWIDTH: 5MHz / 16QAM CH Low



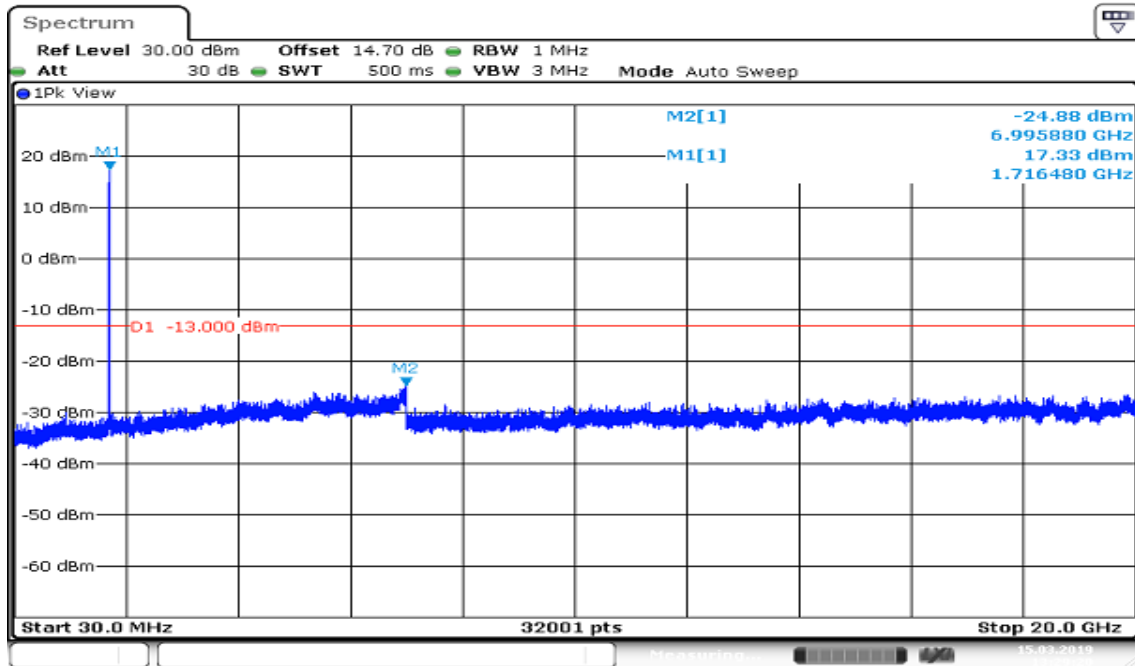
CH Mid



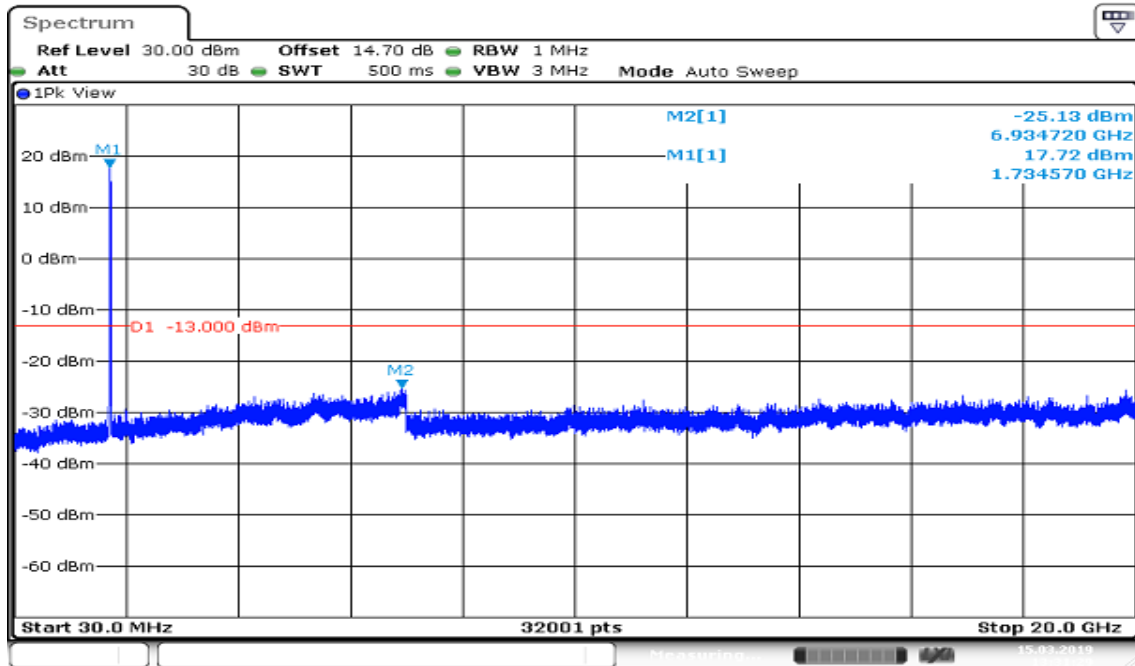
CH High



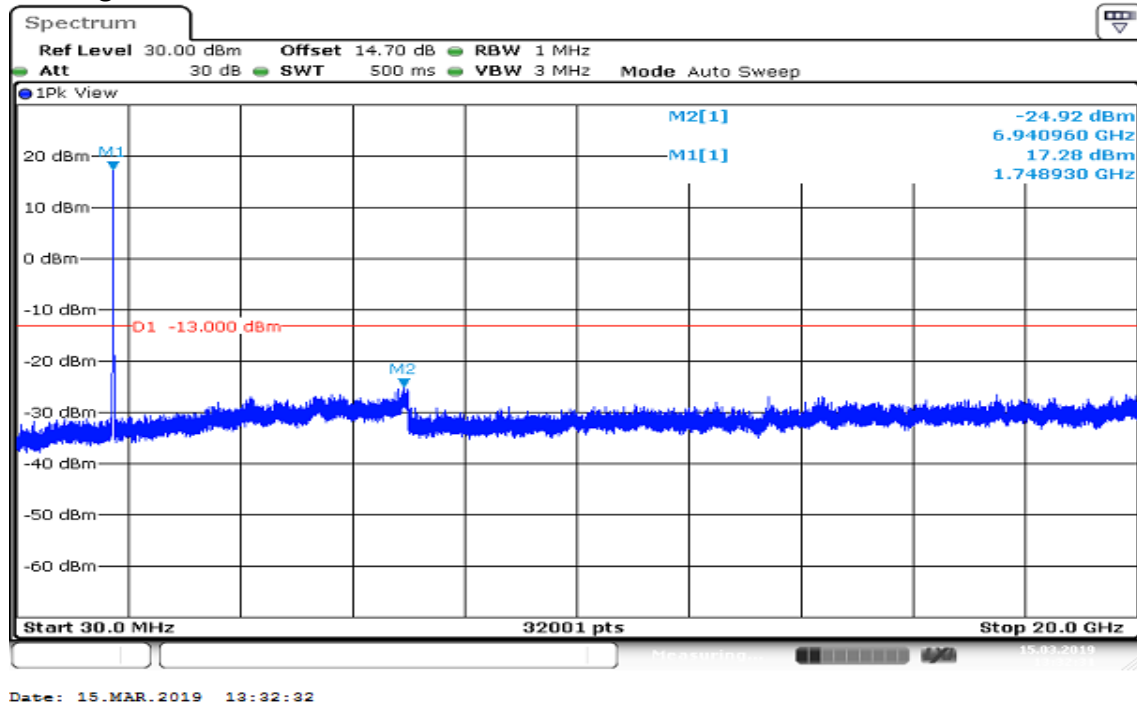
CHANNEL BANDWIDTH: 10MHz / QPSK CH Low



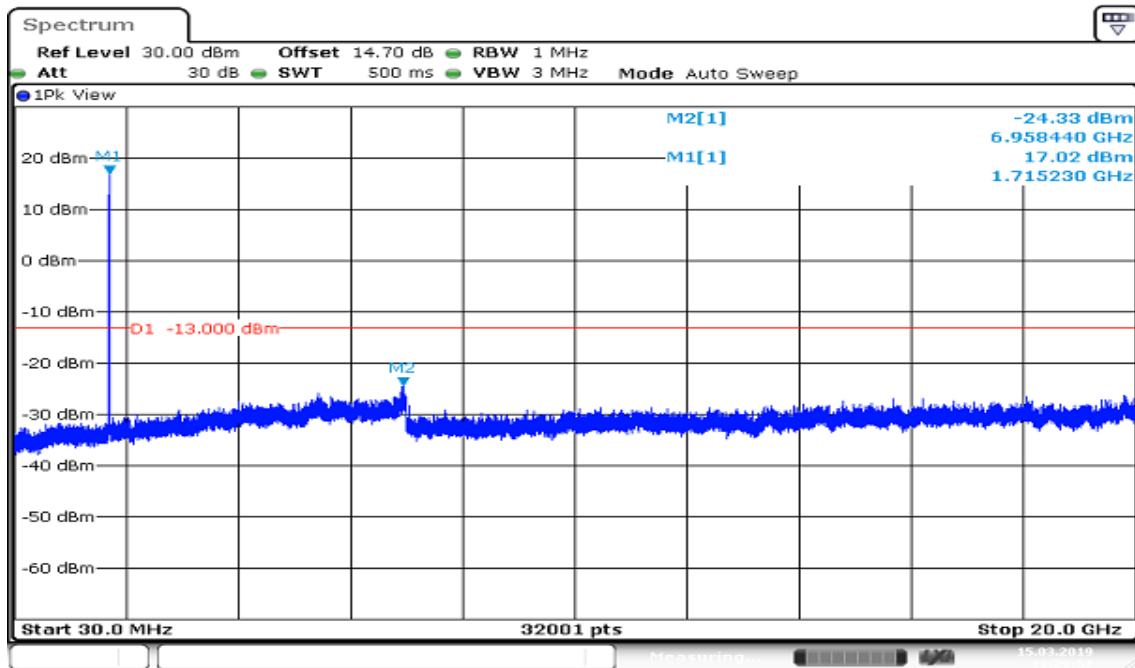
CH Mid



CH High

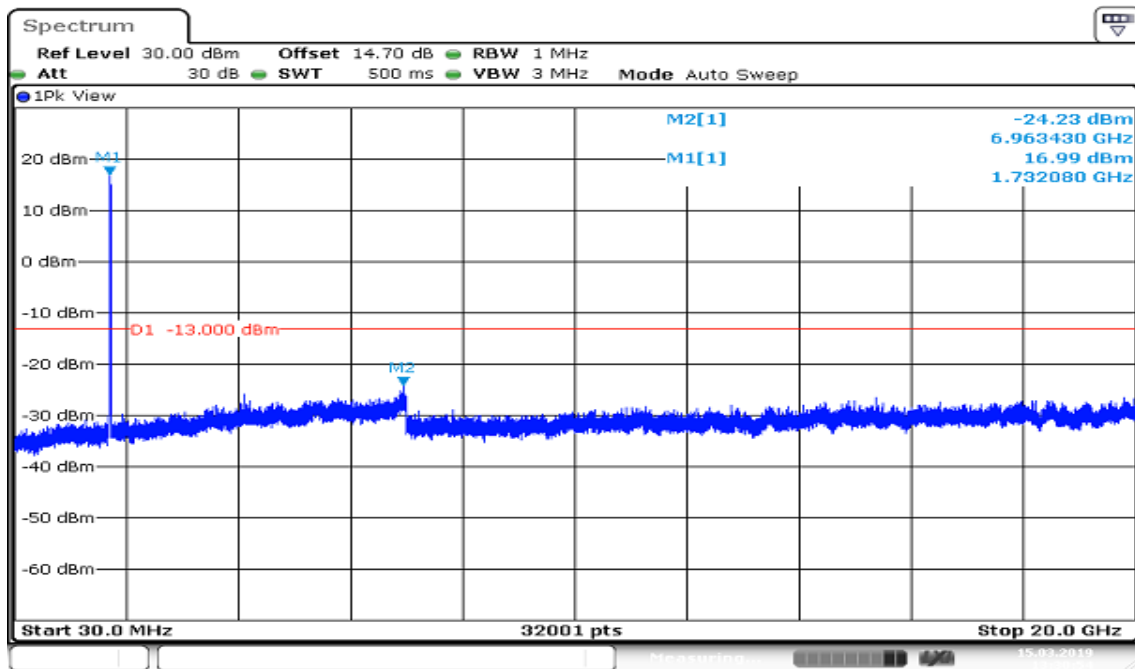


CHANNEL BANDWIDTH: 10MHz / 16QAM CH Low



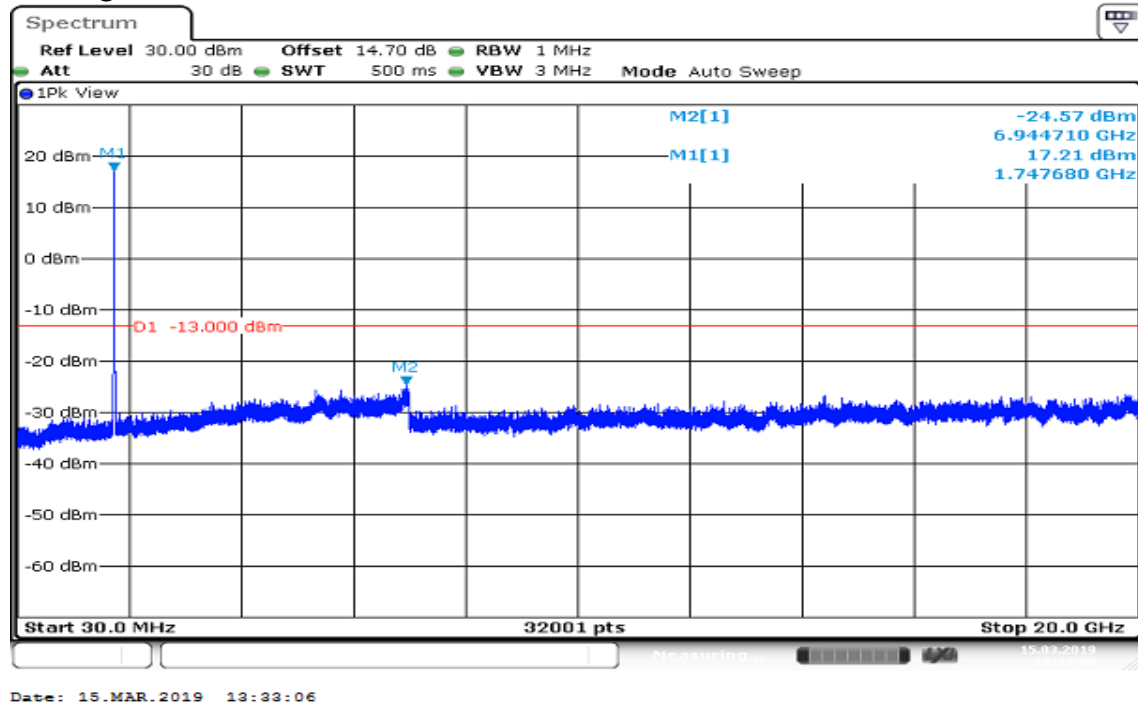
Date: 15.MAR.2019 13:29:57

CH Mid

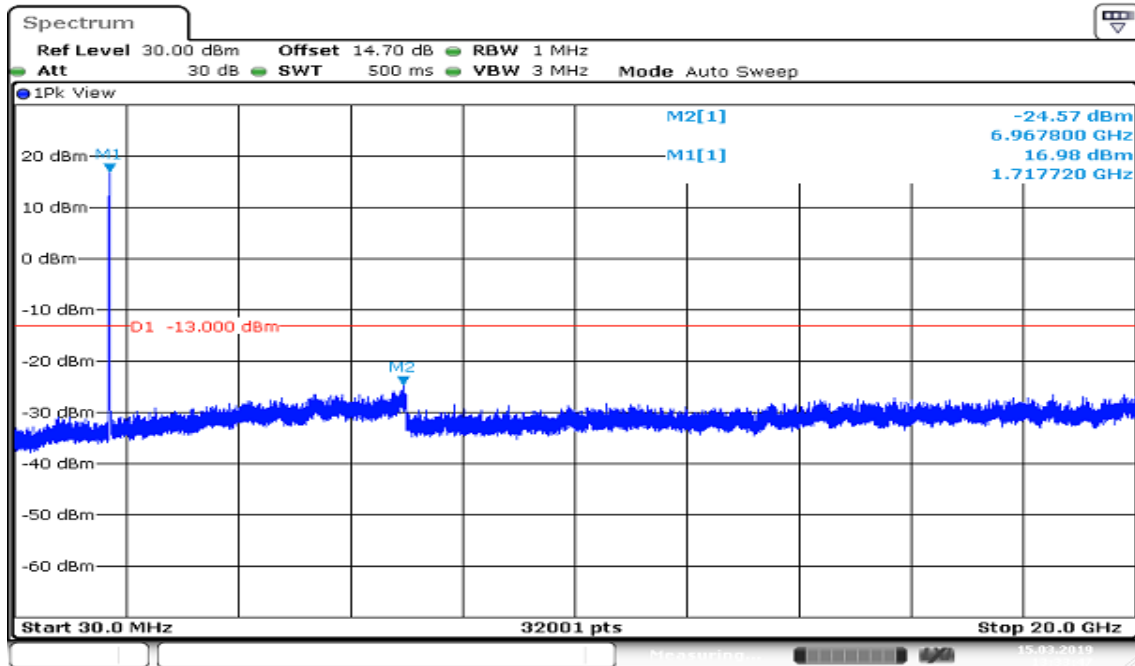


Date: 15.MAR.2019 13:30:54

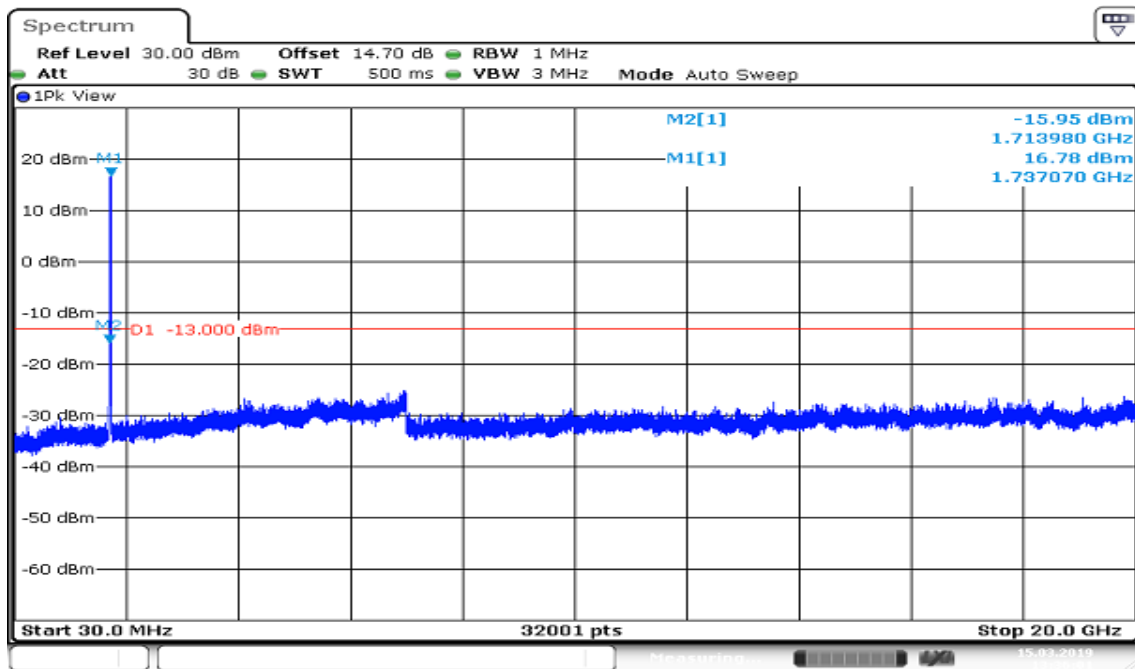
CH High



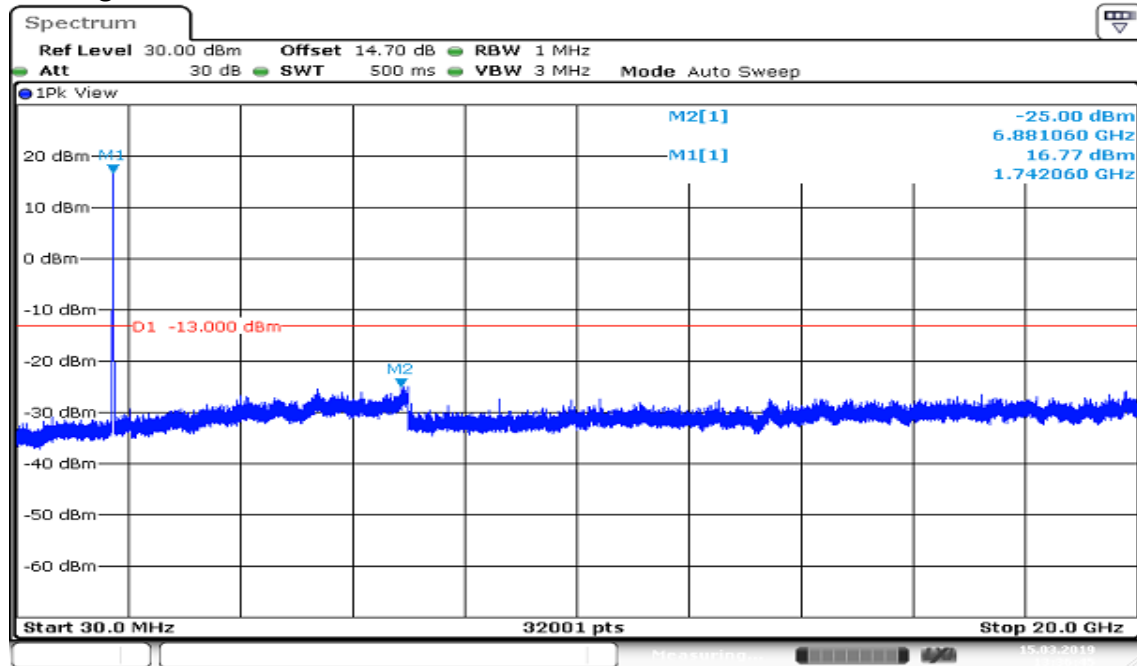
CHANNEL BANDWIDTH: 15MHz / QPSK CH Low



CH Mid

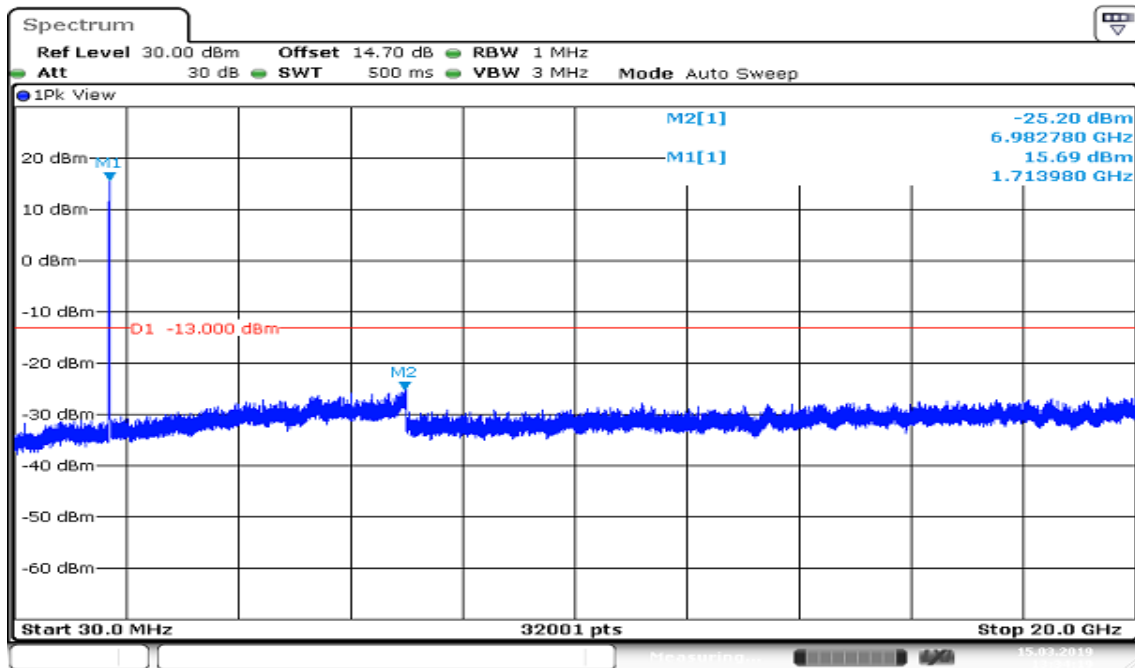


CH High

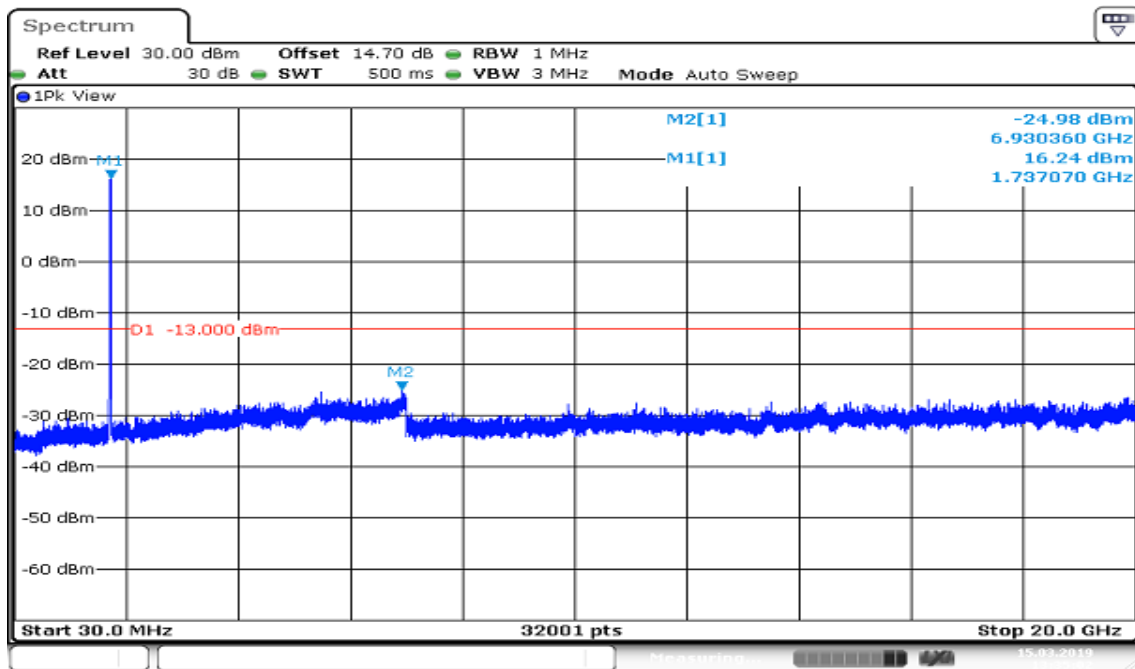


Date: 15.MAR.2019 13:36:46

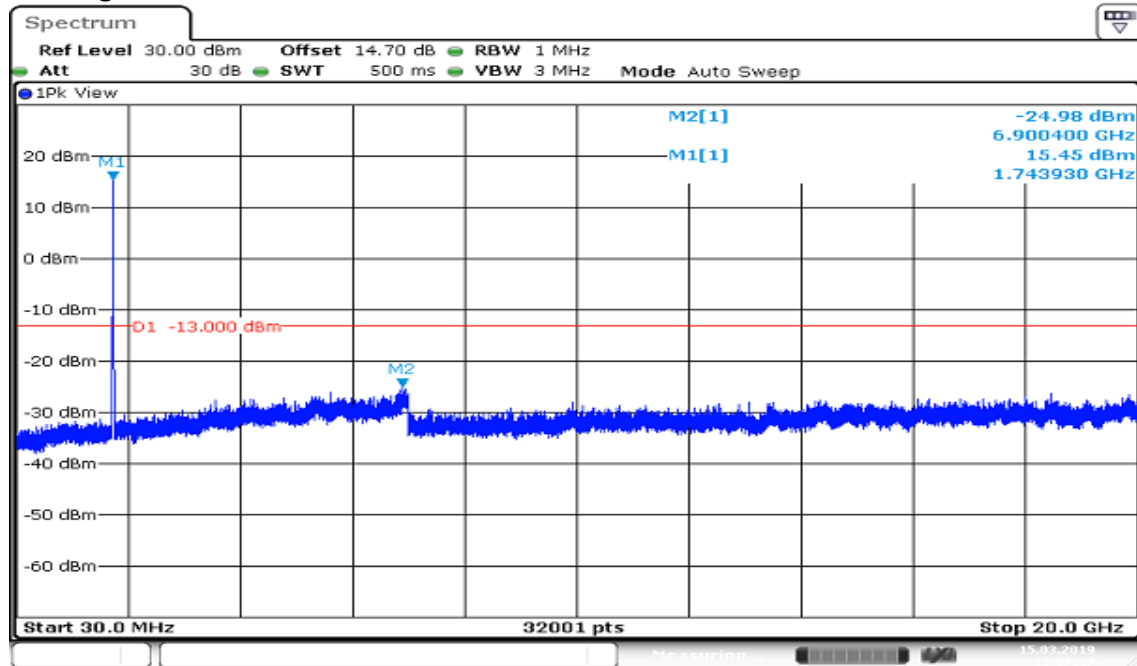
CHANNEL BANDWIDTH: 15MHz / 16QAM CH Low



CH Mid

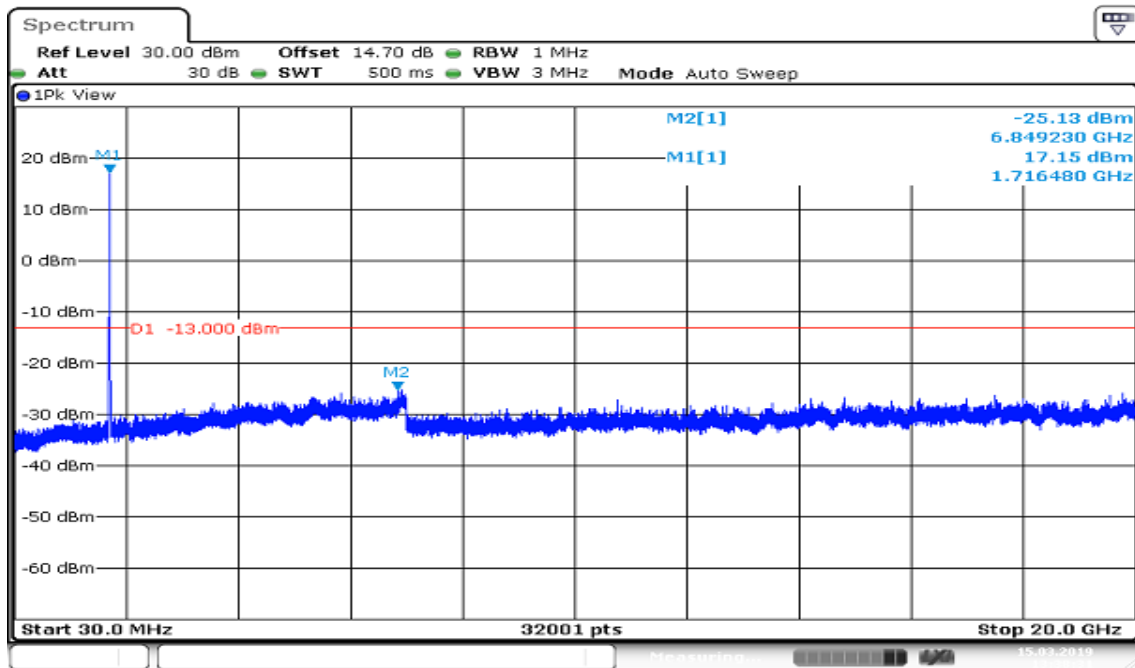


CH High

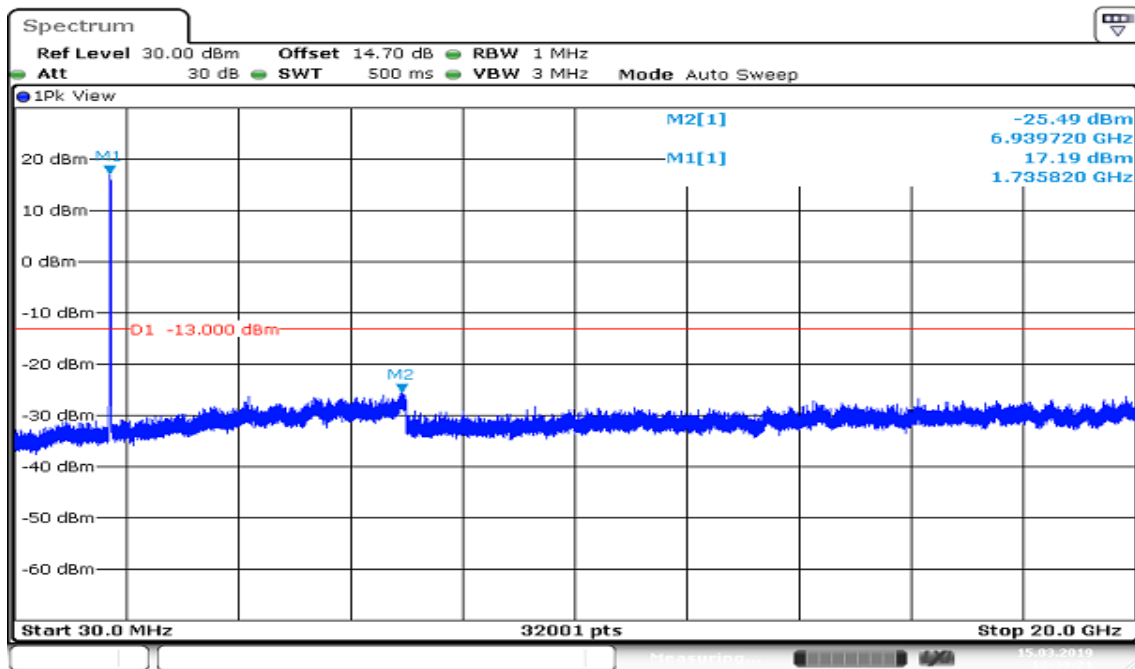


Date: 15.MAR.2019 13:37:17

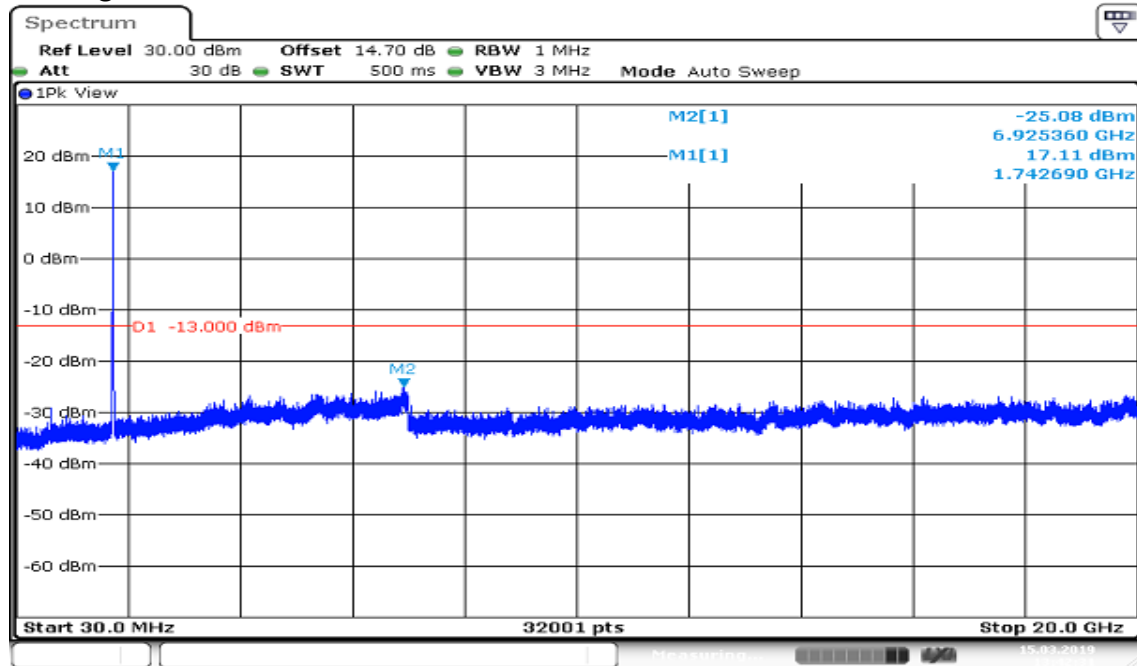
CHANNEL BANDWIDTH: 20MHz / QPSK CH Low



CH Mid

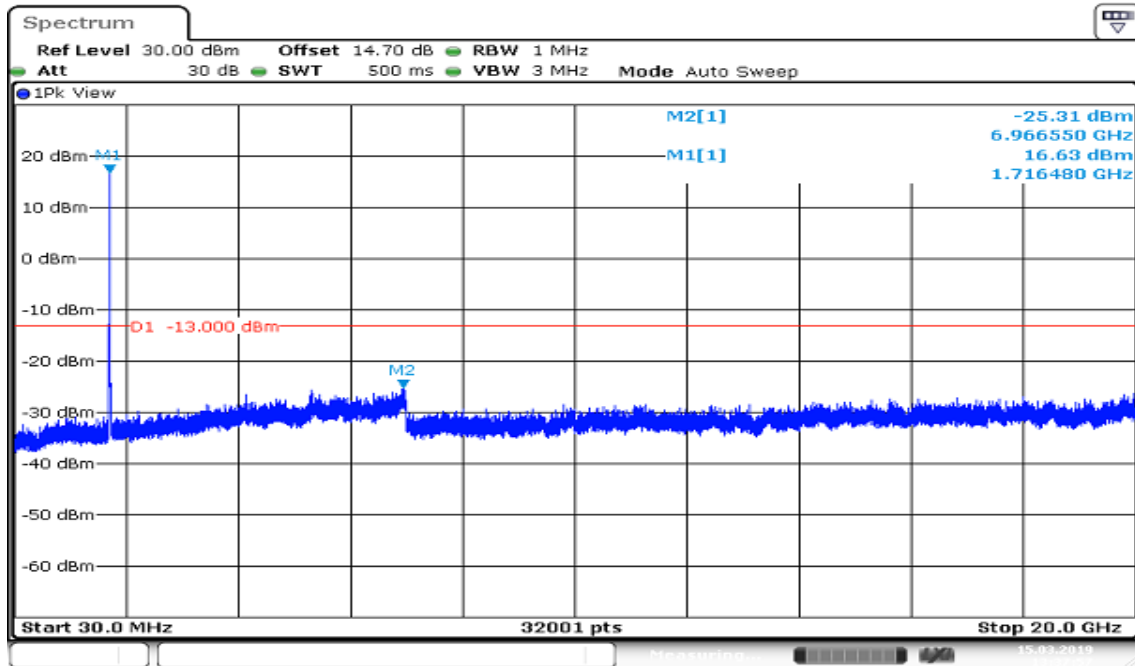


CH High

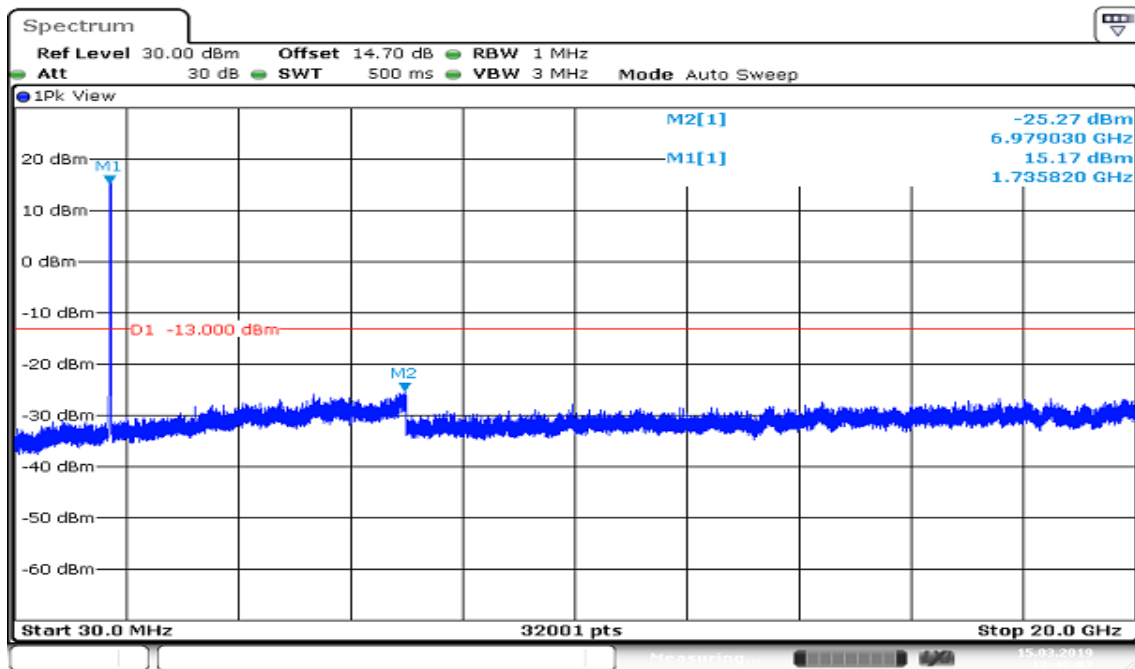


Date: 15.MAR.2019 13:42:31

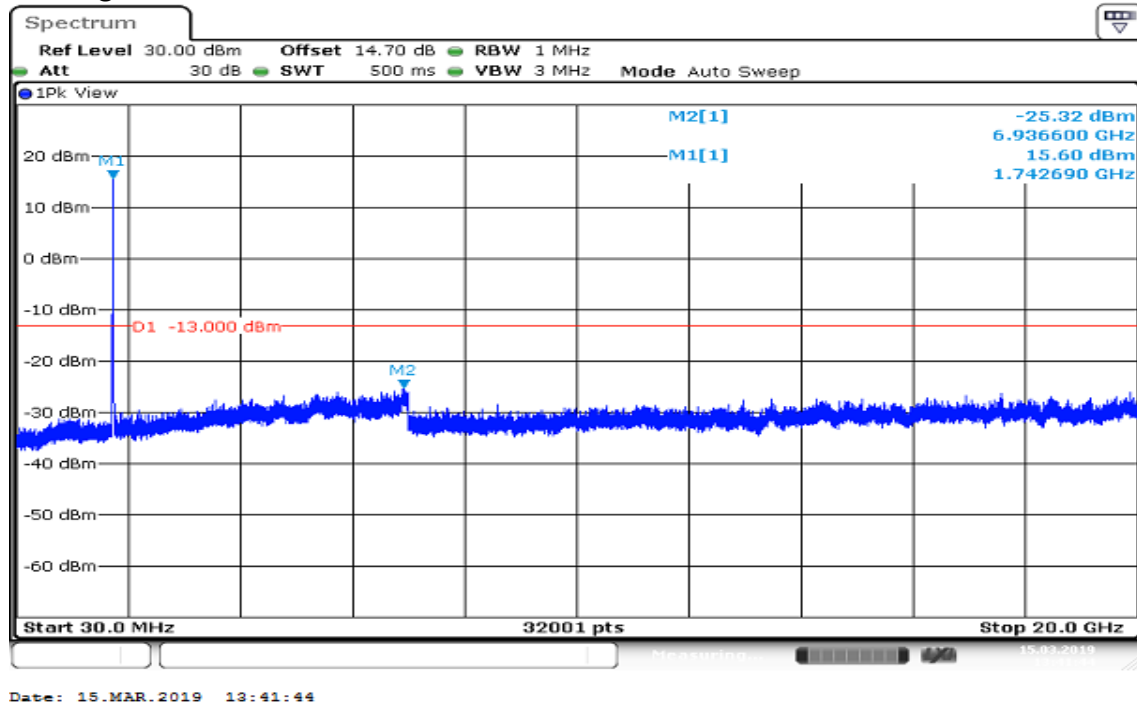
CHANNEL BANDWIDTH: 20MHz / 16QAM CH Low



CH Mid



CH High



8.8 RADIATED EMISSION MEASUREMENT

LIMITS

FCC §27.53(h), Band 4

General protection levels. Except as otherwise specified below, for operations in the 1710-1755MHz bands, the power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB.

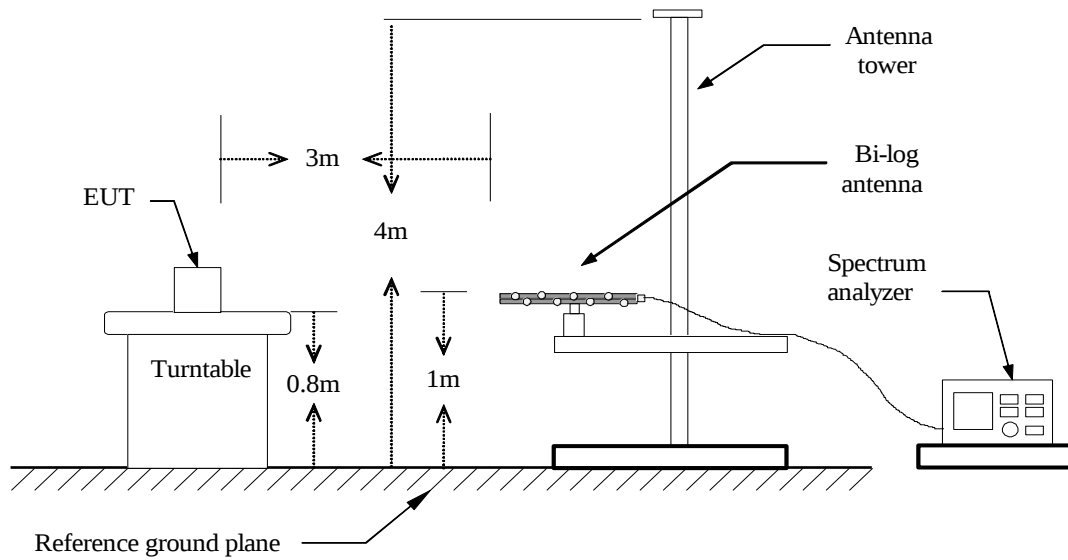
FCC §27.53(c)(2), Band 13

For operations in the 600 MHz band and the 698-746MHz band, the power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kilohertz or greater. However, in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.

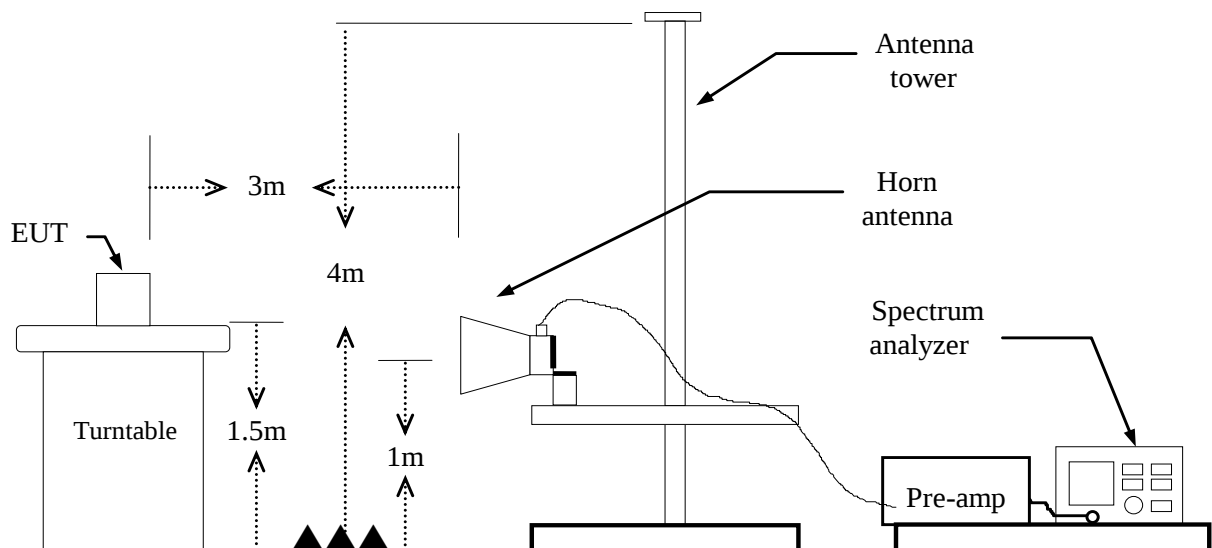
Limit Line: -13dBm

Test Configuration

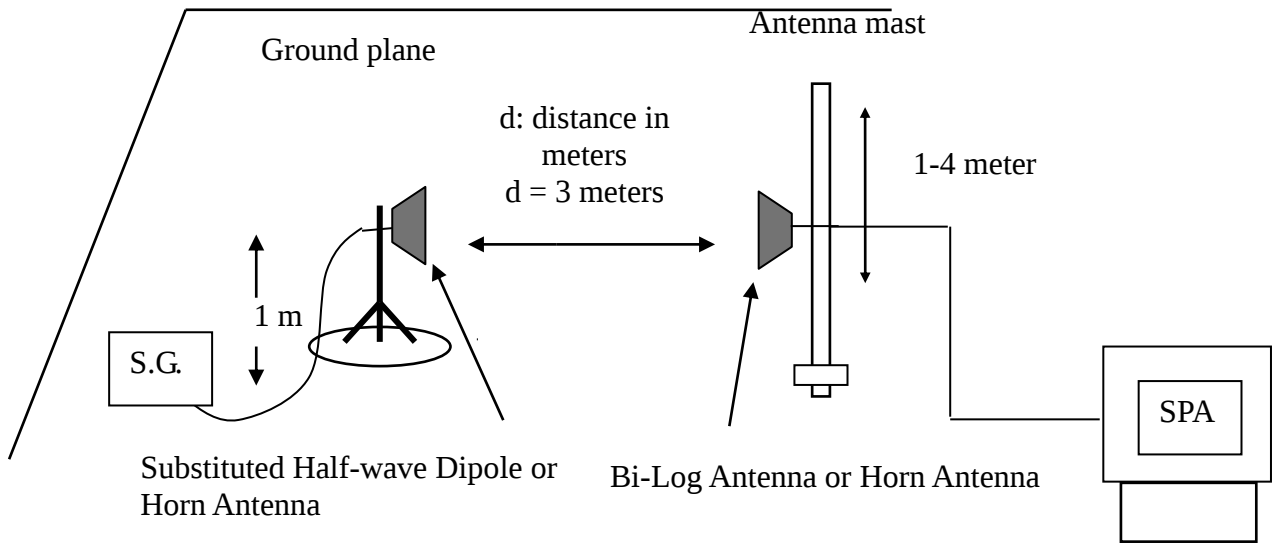
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURES

1. According to KDB 971168 D01 Power Meas License Digital Systems and TIA-603-E Section 2.2.12.
2. The EUT was placed on a turntable
 - (1) Below 1G : 0.8m
 - (2) Above 1G : 0.8m
 - (3) EUT set 3m from the receiving antenna
 - (4) The table was rotated 360 degrees of the highest spurious emission to determine the position.
3. Set the spectrum analyzer , RBW=1MHz, VBW=3MHz.
4. A horn antenna was driven by a signal generator.
5. Tune the output power of signal generator to the same emission level with EUT maximum spurious emission

$ERP = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)} - 2.15$

$EIRP = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable (dB)}$

For test result, the S.G. value is including antenna gain and cable loss.

Below 1GHz

LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode: Tx / Mid CH

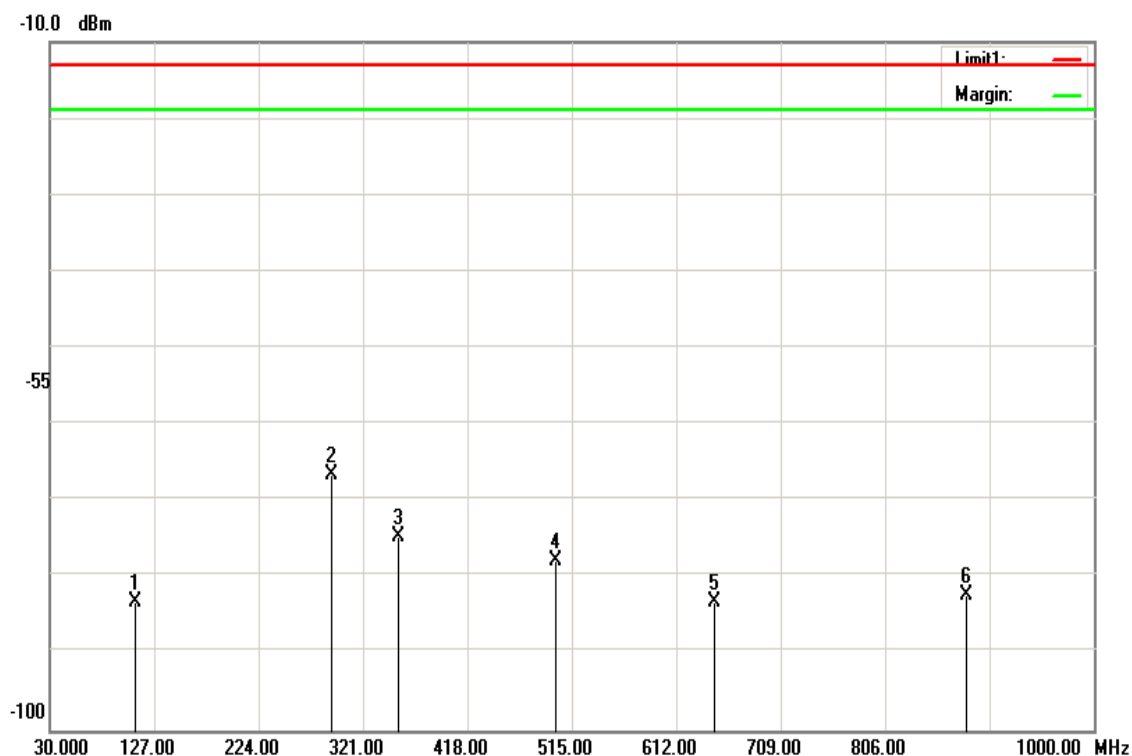
Test Date: January 24, 2019

Temperature: 22°C

Tested by: Jerry Chuang

Humidity: 45 %RH

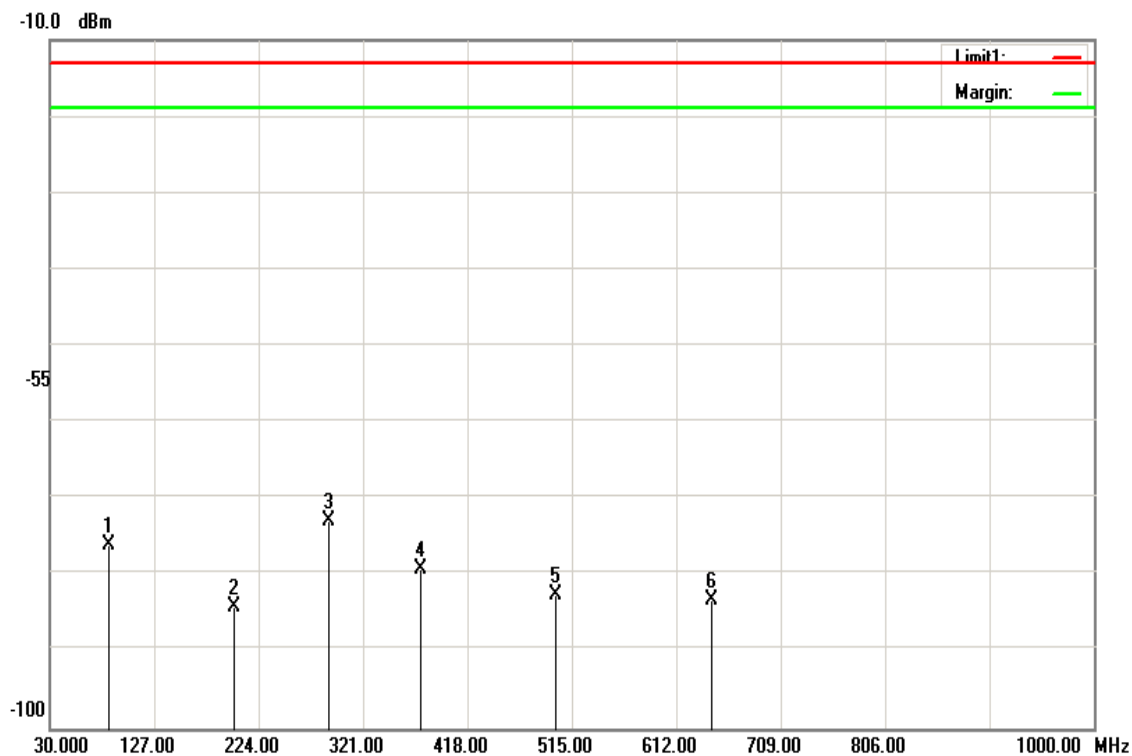
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
110.0250	-80	1.04	-83.19	-13.00	-70.19	V
292.3850	-62.66	1.7	-66.51	-13.00	-53.51	V
354.4650	-70.73	1.88	-74.76	-13.00	-61.76	V
499.9650	-73.51	2.25	-77.91	-13.00	-64.91	V
647.8900	-78.52	2.57	-83.24	-13.00	-70.24	V
882.1450	-77.18	3.03	-82.36	-13.00	-69.36	V

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

Test Date: January 24, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant. Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
84.3200	-73.04	0.9	-76.09	-13.00	-63.09	H
201.6900	-80.48	1.41	-84.04	-13.00	-71.04	H
289.4750	-68.97	1.69	-72.81	-13.00	-59.81	H
374.8350	-75.19	1.94	-79.28	-13.00	-66.28	H
499.9650	-78.25	2.25	-82.65	-13.00	-69.65	H
644.9800	-78.44	2.56	-83.15	-13.00	-70.15	H

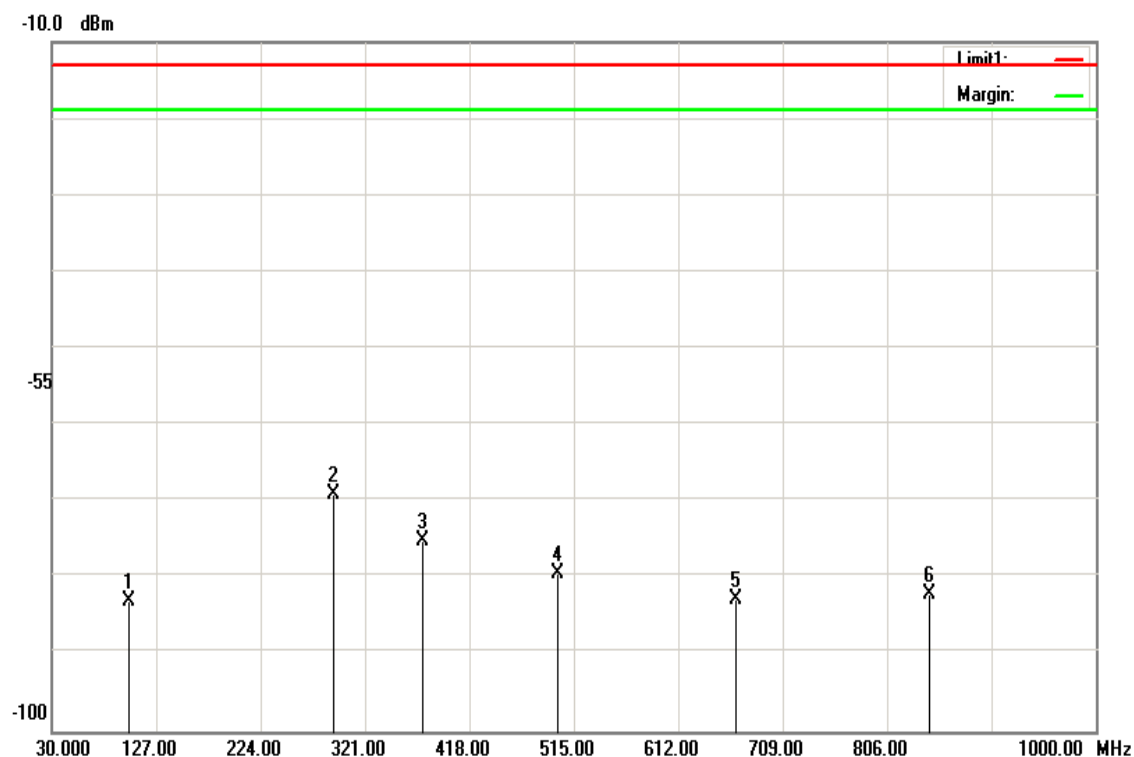
LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / 16QAM
Operation Mode: Tx / Mid CH

Test Date: January 24, 2019

Temperature: 22°C

Tested by: Jerry Chuang

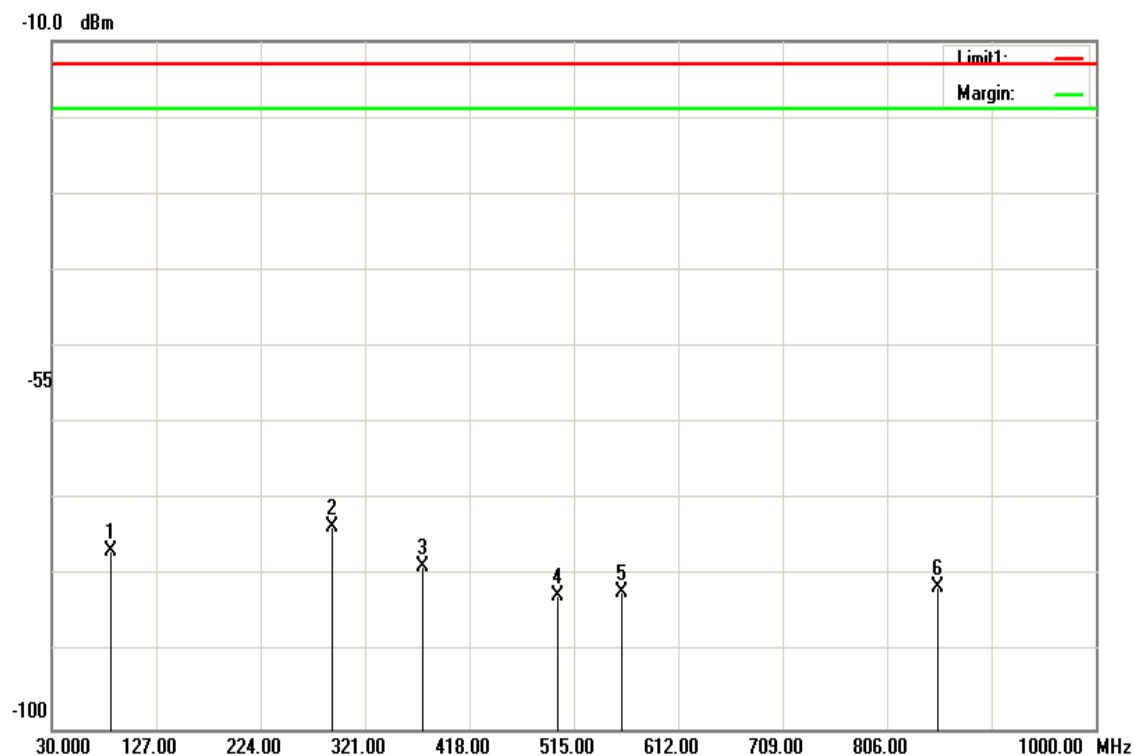
Humidity: 45 %RH

Polarity: Ver.


Frequency (MHz)	S.G. (dBm)	Ant. Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
102.2650	-79.78	1	-82.93	-13.00	-69.93	V
292.3850	-65.27	1.7	-69.12	-13.00	-56.12	V
374.8350	-71.13	1.94	-75.22	-13.00	-62.22	V
499.9650	-75.01	2.25	-79.41	-13.00	-66.41	V
665.8350	-78	2.6	-82.75	-13.00	-69.75	V
845.7700	-77.11	2.96	-82.22	-13.00	-69.22	V

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

Test Date: January 24, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant. Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
84.8050	-73.59	0.9	-76.64	-13.00	-63.64	H
290.9300	-69.67	1.7	-73.52	-13.00	-60.52	H
374.8350	-74.56	1.94	-78.65	-13.00	-65.65	H
499.9650	-78.23	2.25	-82.63	-13.00	-69.63	H
560.1050	-77.63	2.38	-82.16	-13.00	-69.16	H
854.0150	-76.21	2.98	-81.34	-13.00	-68.34	H

Above 1GHz

LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode: Tx / Mid CH

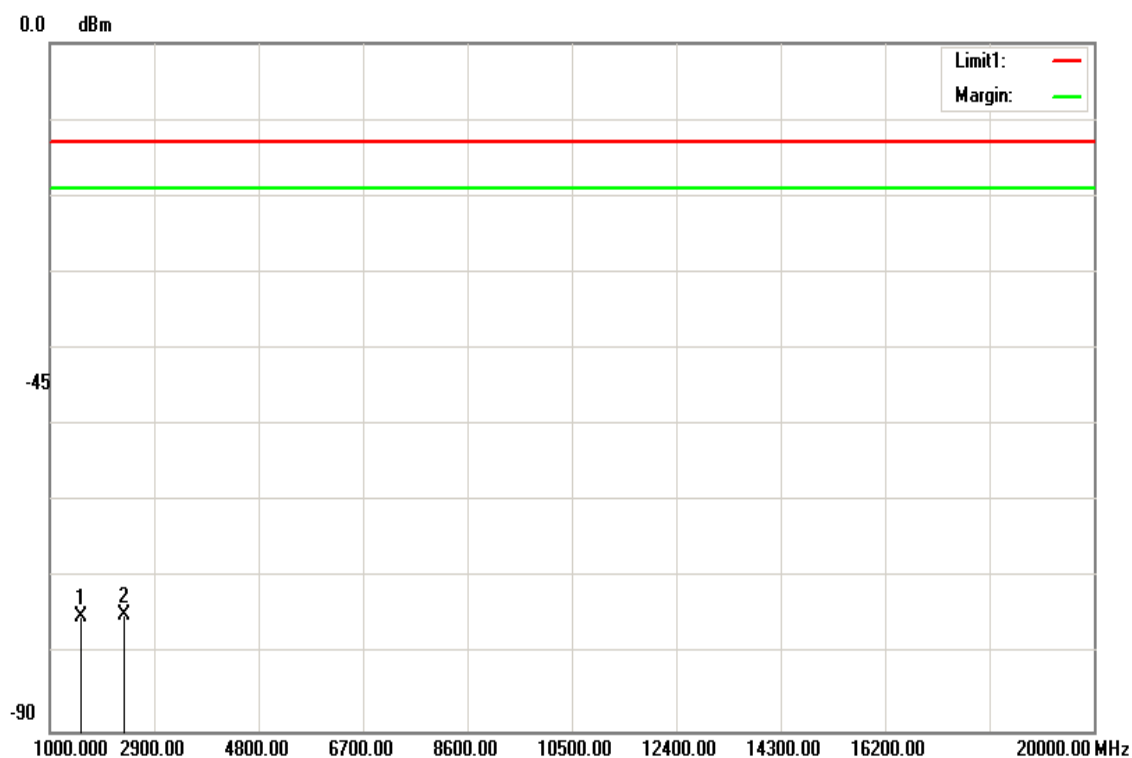
Test Date: January 28, 2019

Temperature: 22°C

Tested by: Jerry Chuang

Humidity: 45 %RH

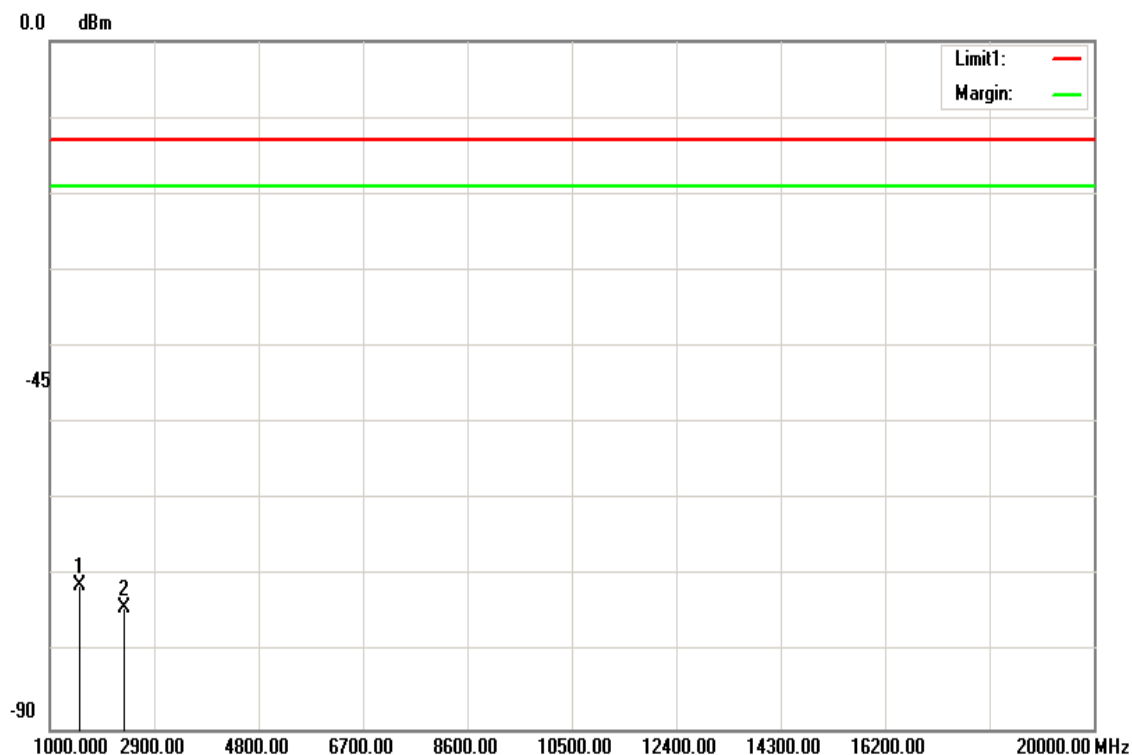
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1564.000	-71	4.08	-75.08	-13.00	-62.08	V
2346.000	-69.63	5.13	-74.76	-13.00	-61.76	V
N/A						

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

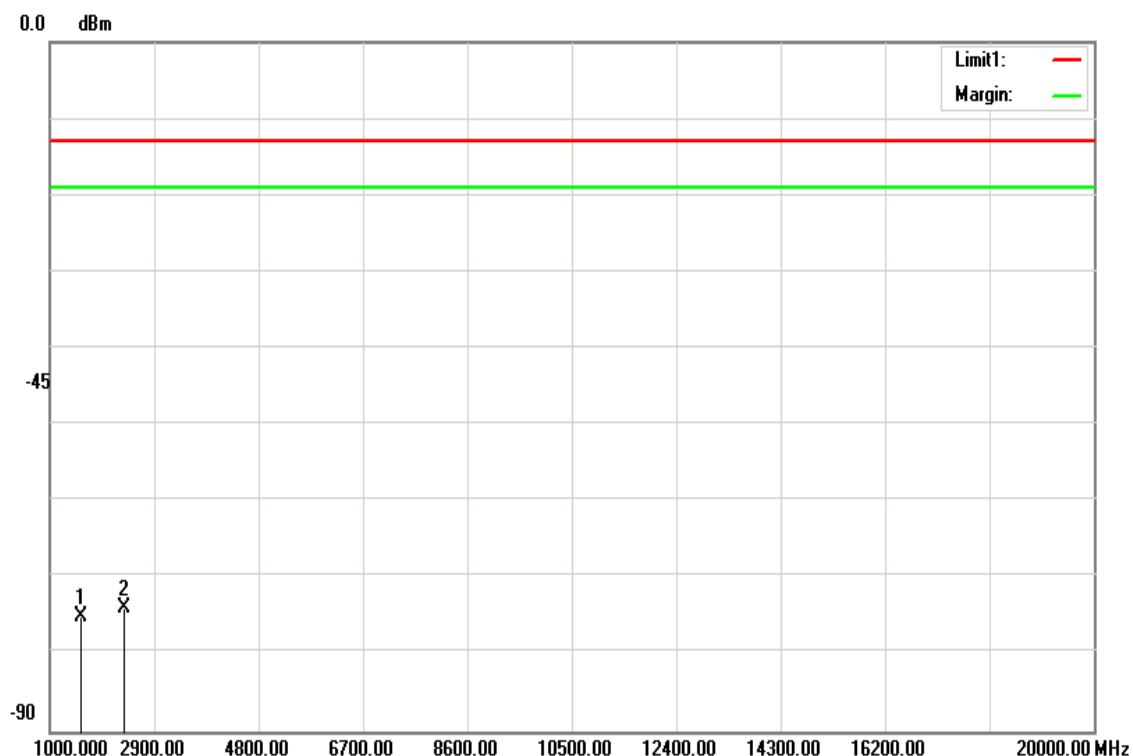
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1556.500	-67.16	4.07	-71.23	-13.00	-58.23	H
2346.000	-68.94	5.13	-74.07	-13.00	-61.07	H
N/A						

LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / 16QAM

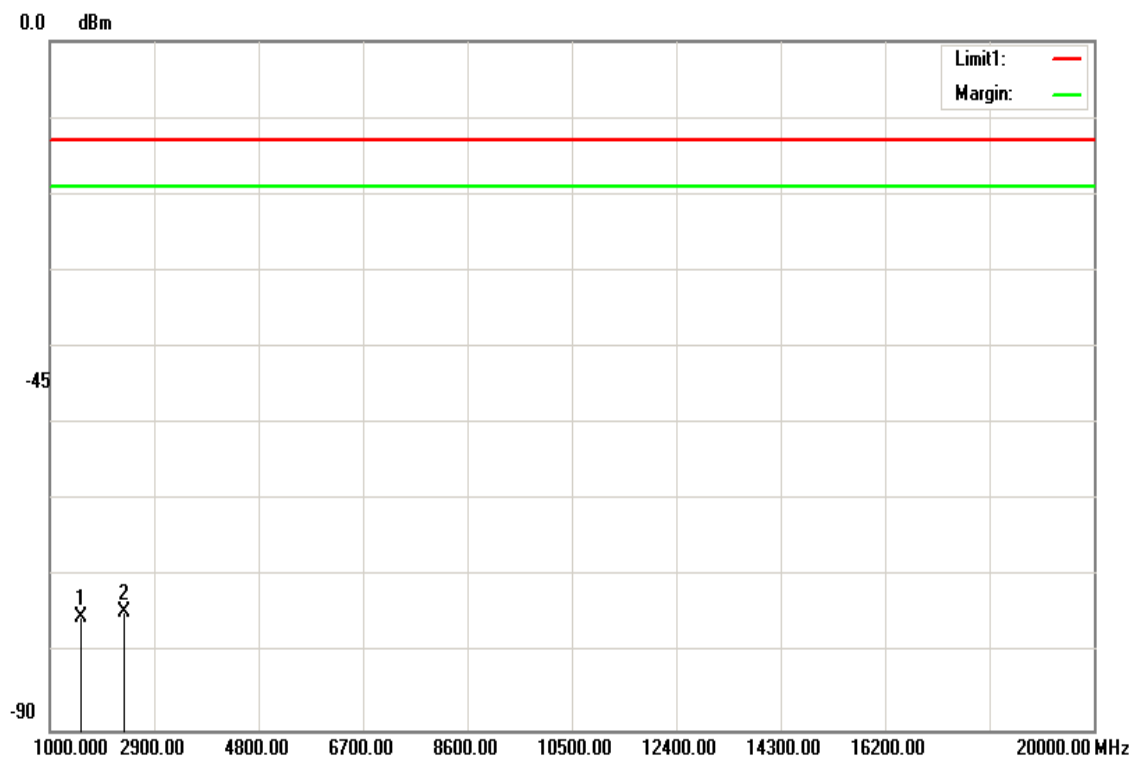
Operation Mode: Tx / Mid CH Test Date: January 28, 2019
Temperature: 22°C Tested by: Jerry Chuang
Humidity: 45 %RH Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1564.000	-70.95	4.08	-75.03	-13.00	-62.03	V
2346.000	-68.81	5.13	-73.94	-13.00	-60.94	V
N/A						

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



requeency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1564.000	-71.16	4.08	-75.24	-13.00	-62.24	H
2346.000	-69.47	5.13	-74.60	-13.00	-61.60	H
N/A						

Below 1GHz

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / QPSK

Operation Mode: Tx / Mid CH

Test Date:

January 24, 2019

Temperature: 22°C

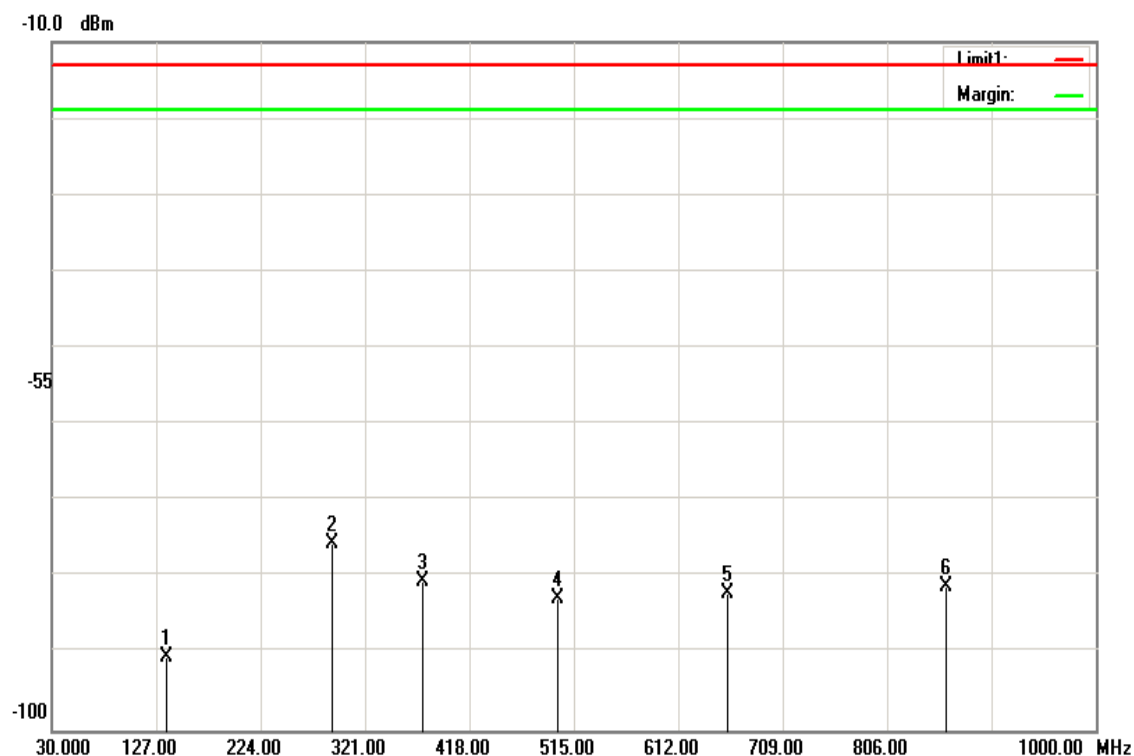
Tested by:

Jerry Chuang

Humidity: 45 %RH

Polarity:

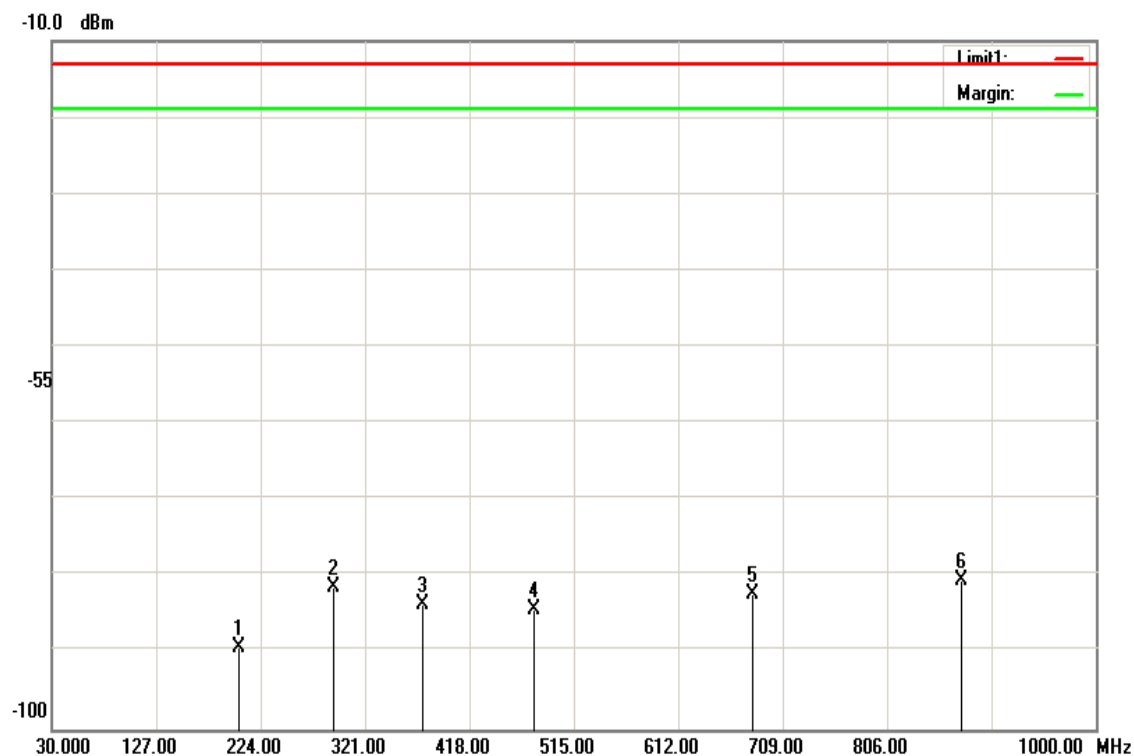
Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
137.1850	-87.19	1.16	-90.50	-13.00	-77.50	V
290.9300	-71.73	1.7	-75.58	-13.00	-62.58	V
374.8350	-76.54	1.94	-80.63	-13.00	-67.63	V
499.9650	-78.33	2.25	-82.73	-13.00	-69.73	V
657.5900	-77.39	2.59	-82.13	-13.00	-69.13	V
860.8050	-76.04	2.99	-81.18	-13.00	-68.18	V

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

Test Date: January 24, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant. Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
204.1150	-85.85	1.41	-89.41	-13.00	-76.41	H
292.3850	-77.51	1.7	-81.36	-13.00	-68.36	H
374.8350	-79.65	1.94	-83.74	-13.00	-70.74	H
478.6250	-79.9	2.2	-84.25	-13.00	-71.25	H
680.8700	-77.63	2.64	-82.42	-13.00	-69.42	H
874.8700	-75.46	3.01	-80.62	-13.00	-67.62	H

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / 16QAM

Operation Mode: Tx / Mid CH

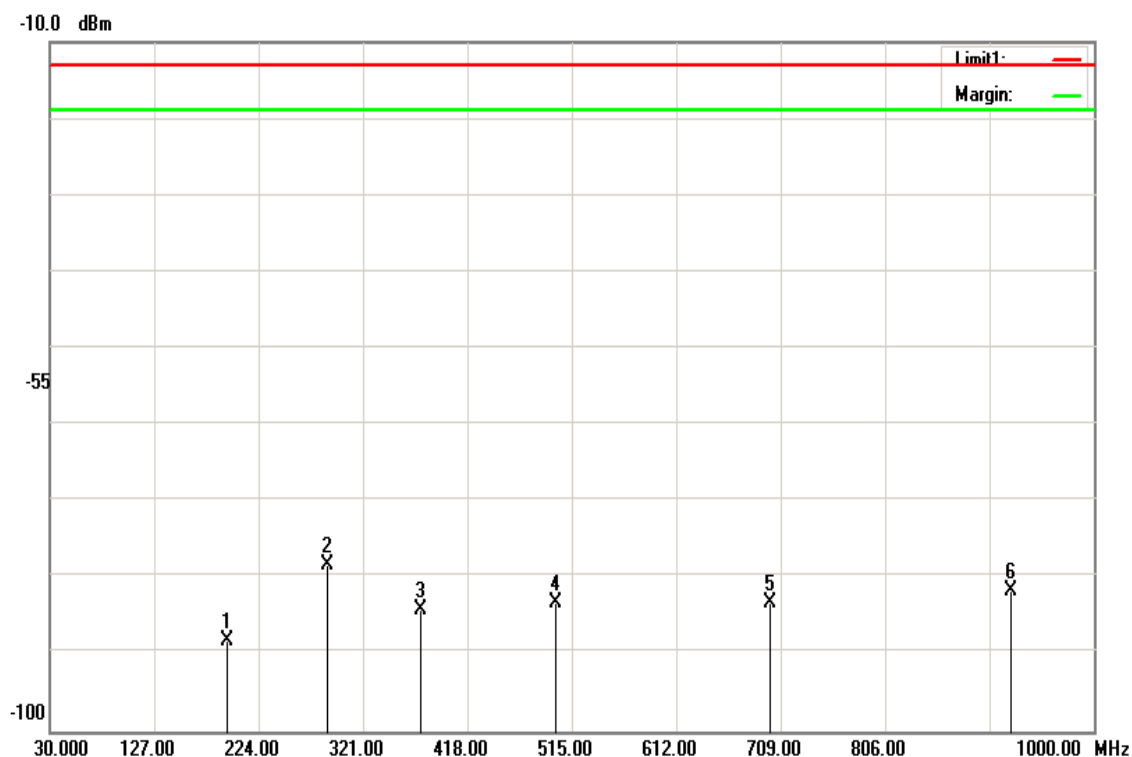
Test Date: January 24, 2019

Temperature: 22°C

Tested by: Jerry Chuang

Humidity: 45 %RH

Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant. Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
194.9000	-84.68	1.38	-88.21	-13.00	-75.21	V
288.0200	-74.47	1.69	-78.31	-13.00	-65.31	V
374.8350	-80	1.94	-84.09	-13.00	-71.09	V
499.9650	-78.95	2.25	-83.35	-13.00	-70.35	V
699.3000	-78.37	2.68	-83.20	-13.00	-70.20	V
922.8850	-76.41	3.1	-81.66	-13.00	-68.66	V

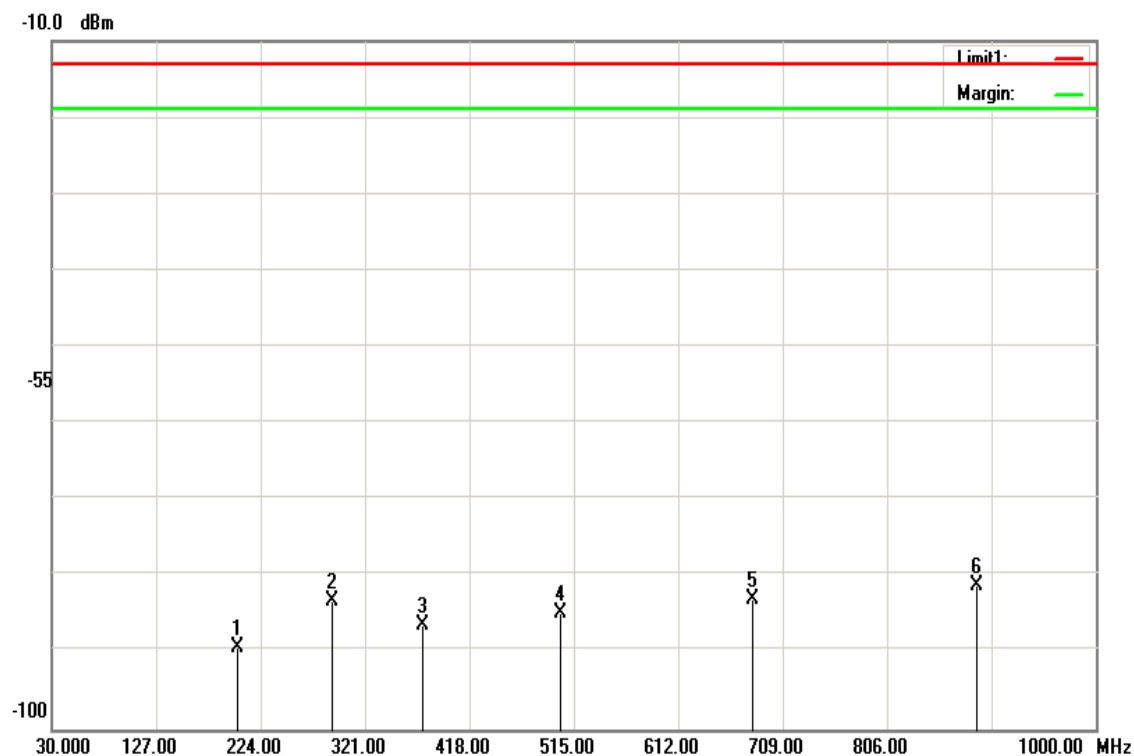
Operation Mode: Tx / Mid CH

Test Date: January 24, 2019

Temperature: 22°C

Tested by: Jerry Chuang

Humidity: 45 %RH

Polarity: Hor.


Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
202.6600	-85.7	1.41	-89.26	-13.00	-76.26	H
290.9300	-79.3	1.7	-83.15	-13.00	-70.15	H
374.8350	-82.32	1.94	-86.41	-13.00	-73.41	H
502.3900	-80.43	2.26	-84.84	-13.00	-71.84	H
681.3550	-78.15	2.64	-82.94	-13.00	-69.94	H
889.4200	-76.05	3.04	-81.24	-13.00	-68.24	H

Above 1GHz

LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / QPSK

Operation Mode: Tx / Low CH

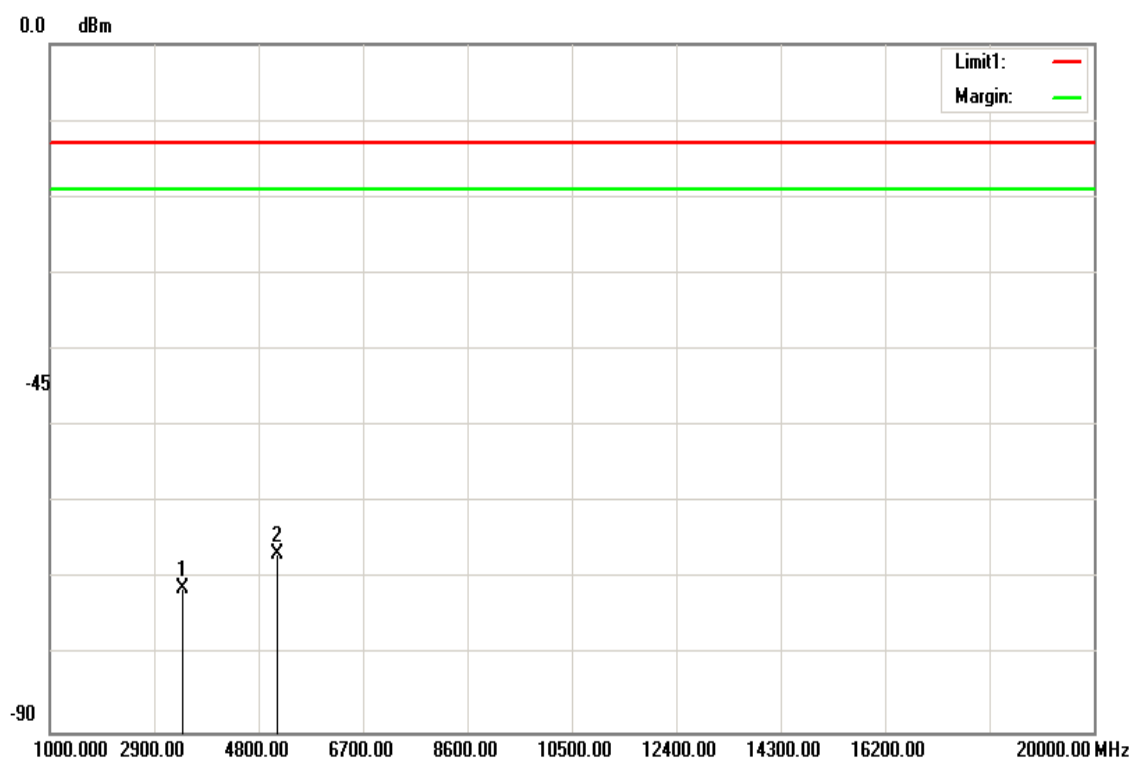
Test Date: January 28, 2019

Temperature: 22°C

Tested by: Jerry Chuang

Humidity: 45 %RH

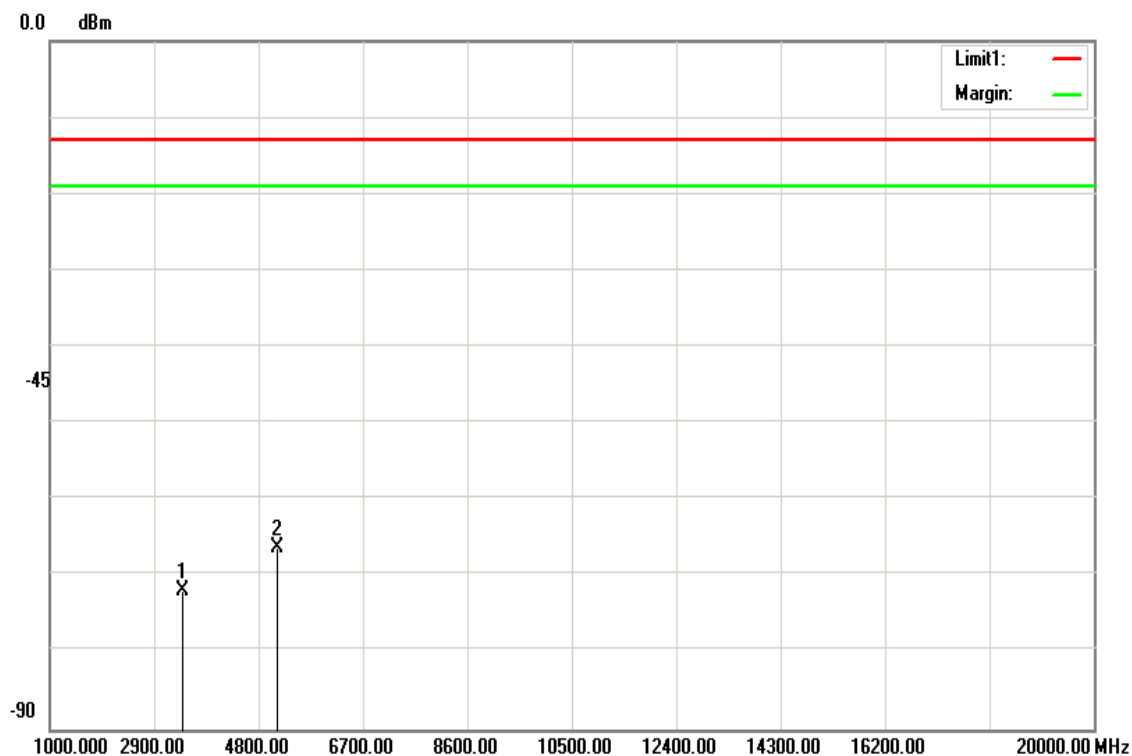
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-64.96	6.35	-71.31	-13.00	-58.31	V
5133.500	-58.72	7.92	-66.64	-13.00	-53.64	V
N/A						

Operation Mode: Tx / Low CH
Temperature: 22°C
Humidity: 45 %RH

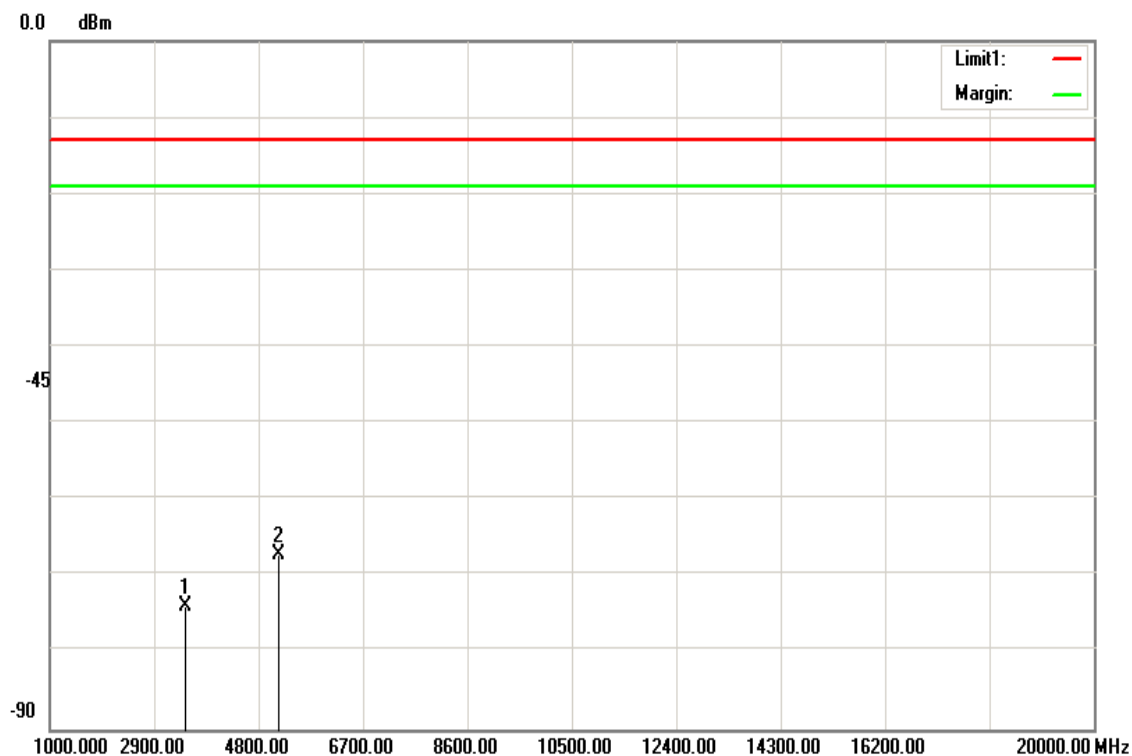
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-65.51	6.35	-71.86	-13.00	-58.86	H
5133.500	-58.27	7.92	-66.19	-13.00	-53.19	H
N/A						

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

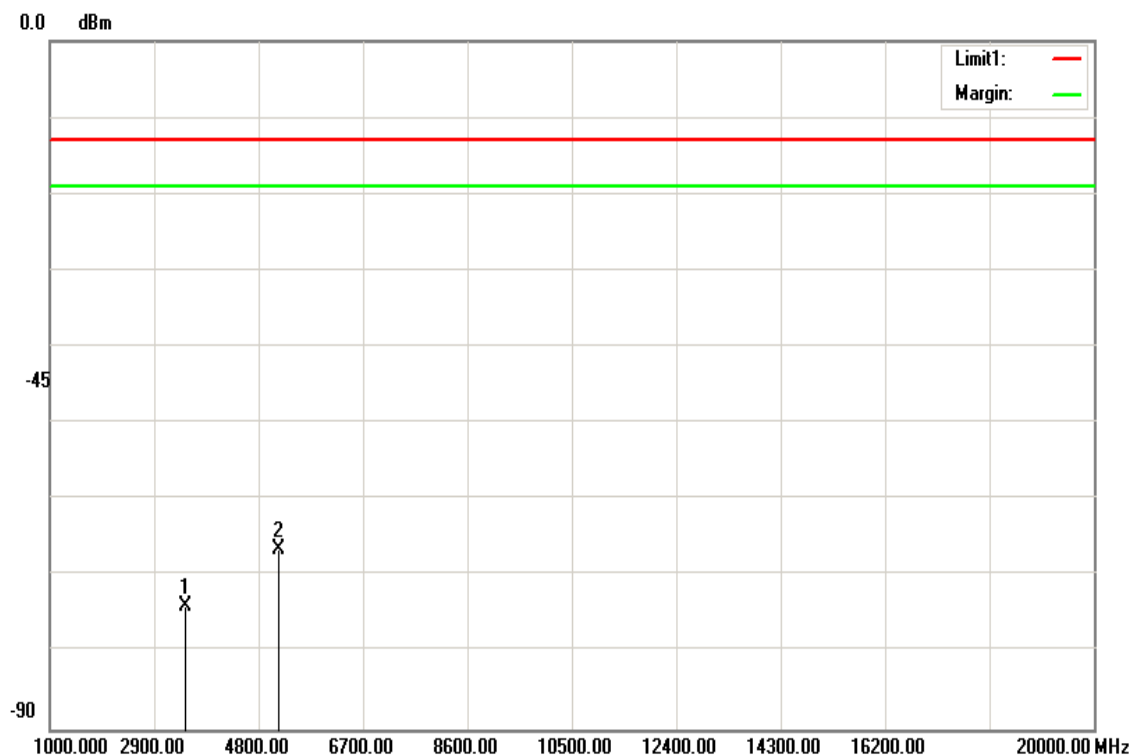
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-67.54	6.39	-73.93	-13.00	-60.93	V
5172.000	-59.2	7.96	-67.16	-13.00	-54.16	V
N/A						

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

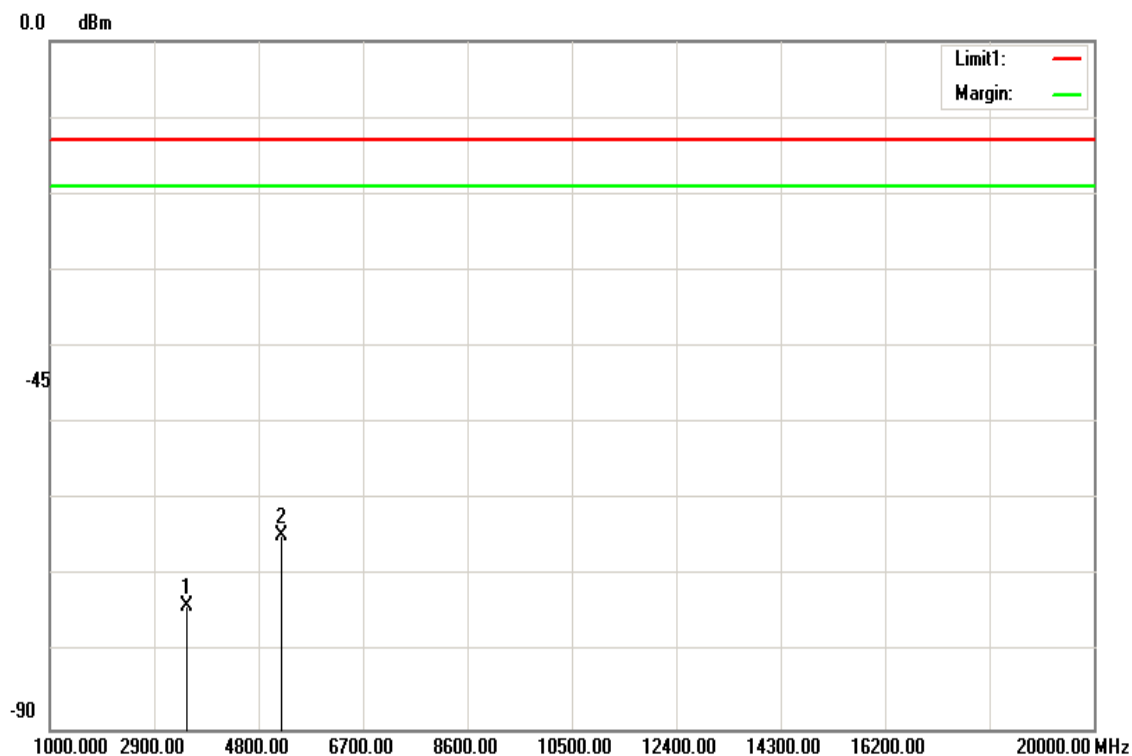
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-67.59	6.39	-73.98	-13.00	-60.98	H
5172.000	-58.51	7.96	-66.47	-13.00	-53.47	H
N/A						

Operation Mode: Tx / High CH
Temperature: 22°C
Humidity: 45 %RH

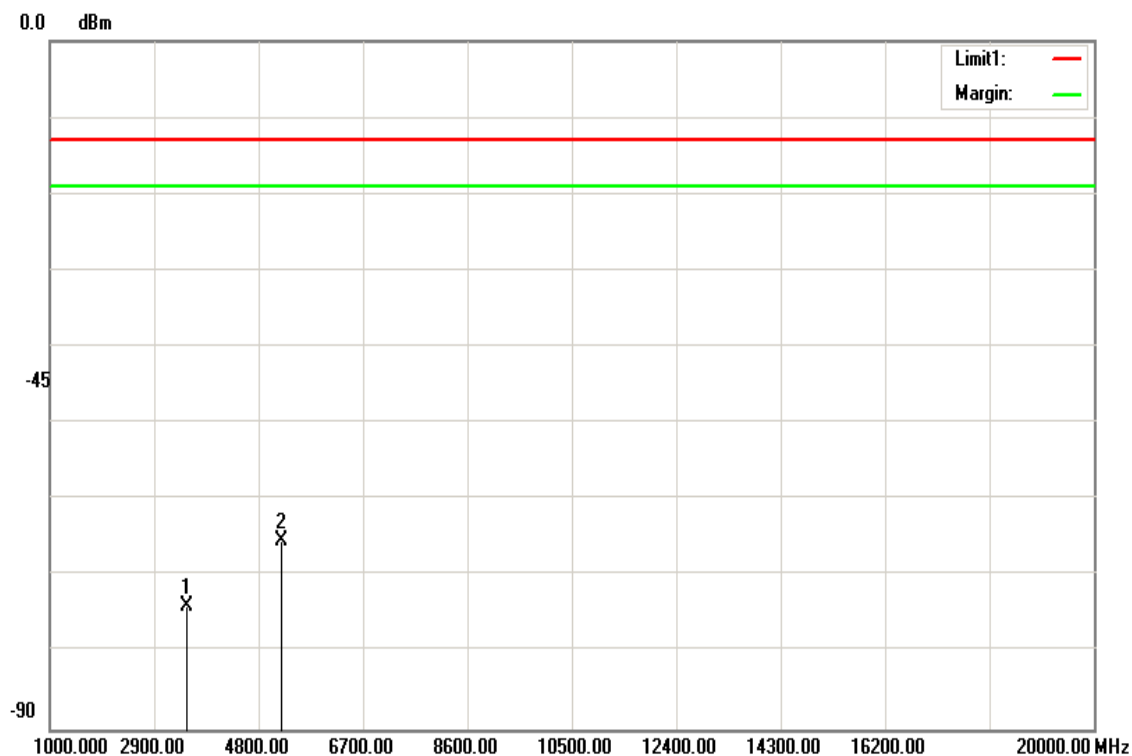
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3490.000	-67.4	6.42	-73.82	-13.00	-60.82	V
5207.000	-56.63	7.99	-64.62	-13.00	-51.62	V
N/A						

Operation Mode: Tx / High CH
Temperature: 22°C
Humidity: 45 %RH

Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3490.000	-67.48	6.42	-73.90	-13.00	-60.90	H
5207.000	-57.34	7.99	-65.33	-13.00	-52.33	H
N/A						

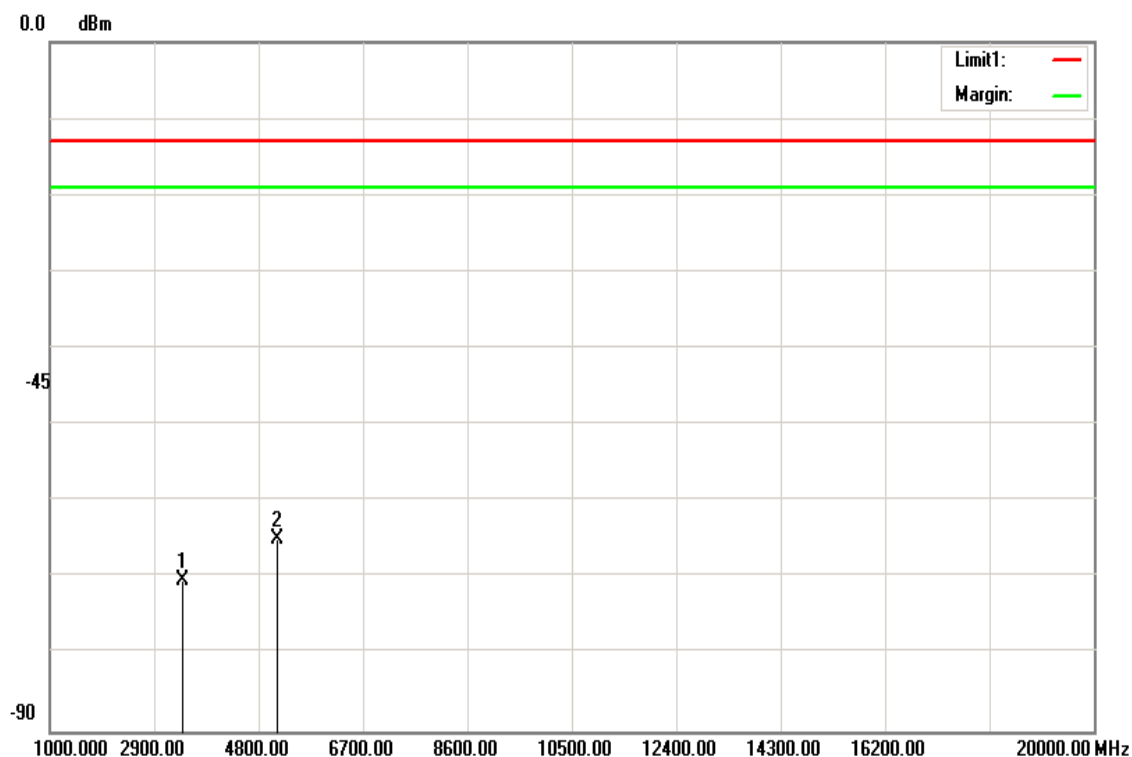
LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / 16QAM
Operation Mode: Tx / Low CH

Test Date: January 28, 2019

Temperature: 22°C

Tested by: Jerry Chuang

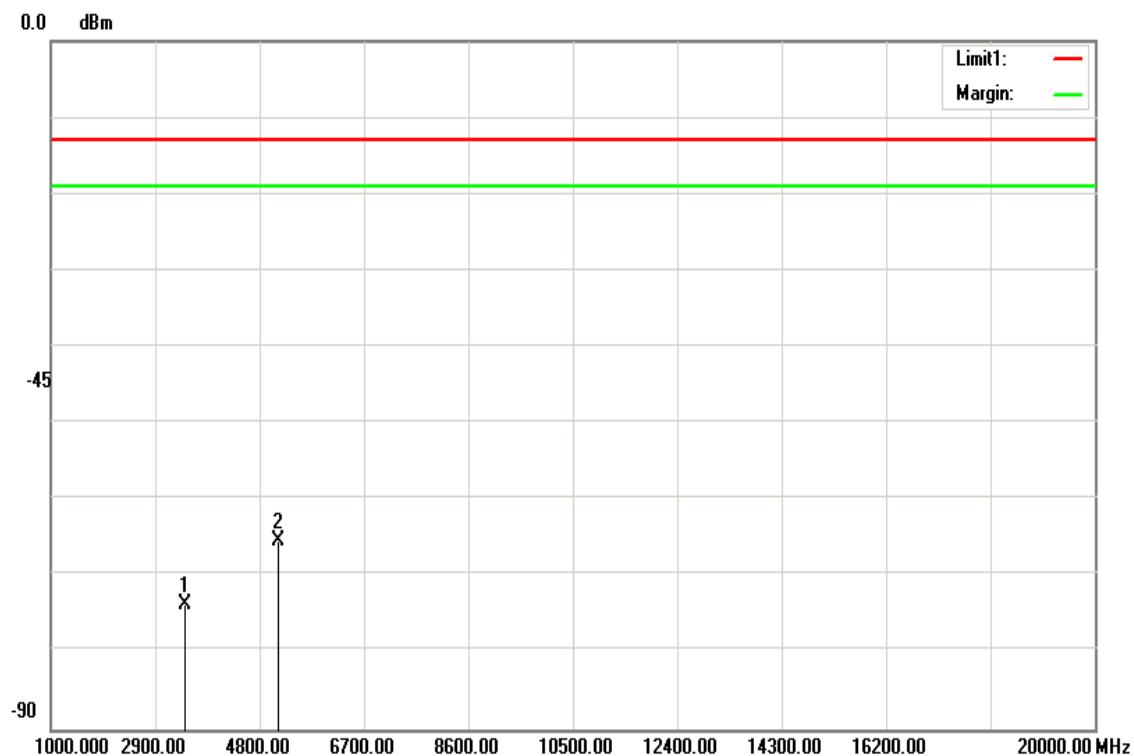
Humidity: 45 %RH

Polarity: Ver.


Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-63.97	6.35	-70.32	-13.00	-57.32	V
5133.500	-57.06	7.92	-64.98	-13.00	-51.98	V
N/A						

Operation Mode: Tx / Low CH
Temperature: 22°C
Humidity: 45 %RH

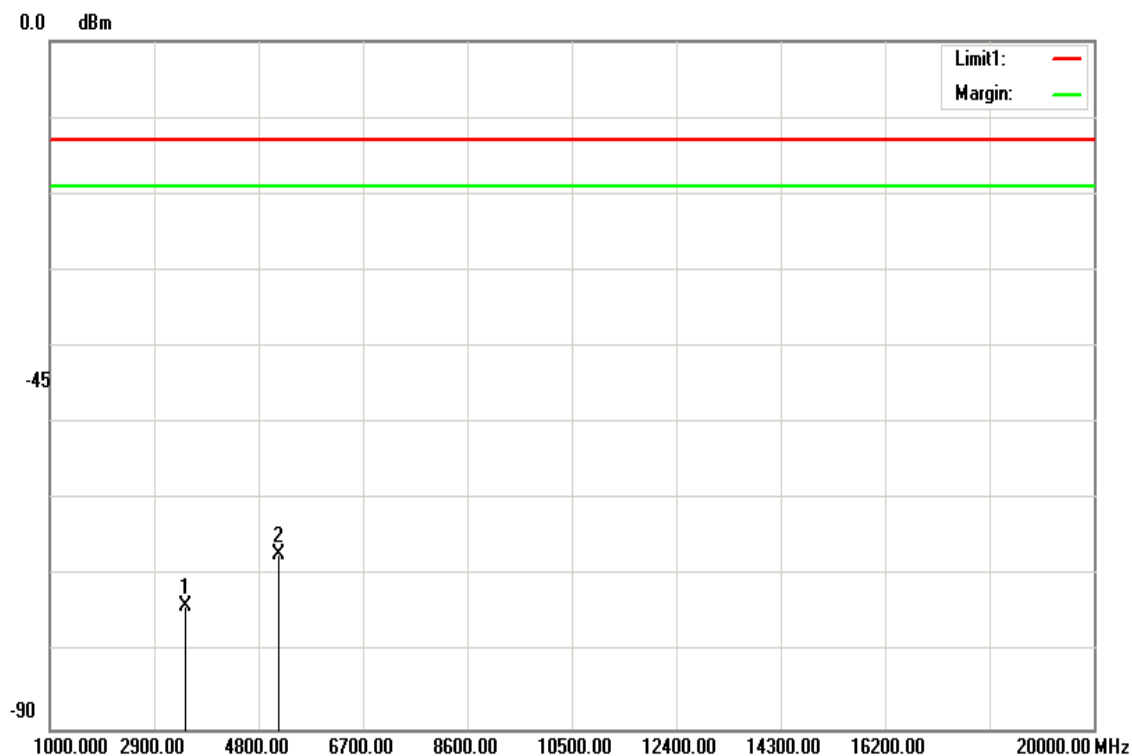
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3440.000	-67.29	6.37	-73.66	-13.00	-60.66	H
5133.500	-57.33	7.92	-65.25	-13.00	-52.25	H
N/A						

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

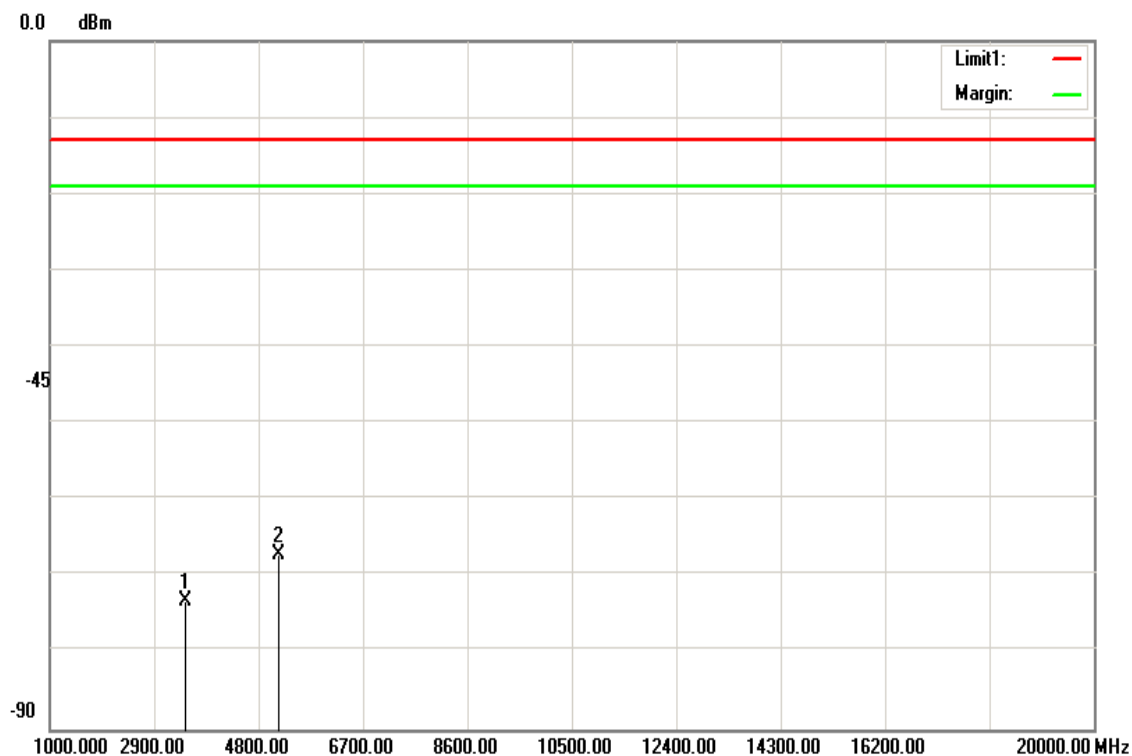
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-67.42	6.39	-73.81	-13.00	-60.81	V
5172.000	-59.1	7.96	-67.06	-13.00	-54.06	V
N/A						

Operation Mode: Tx / Mid CH
Temperature: 22°C
Humidity: 45 %RH

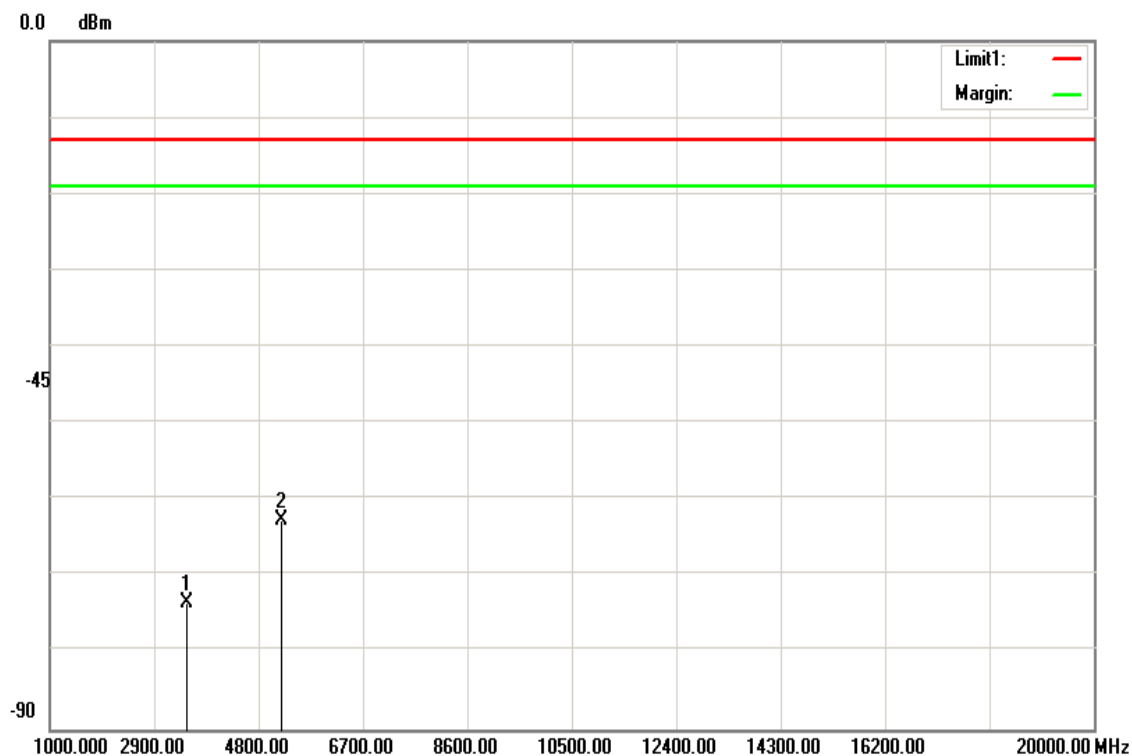
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-66.81	6.39	-73.20	-13.00	-60.20	H
5172.000	-59.3	7.96	-67.26	-13.00	-54.26	H
N/A						

Operation Mode: Tx / High CH
Temperature: 22°C
Humidity: 45 %RH

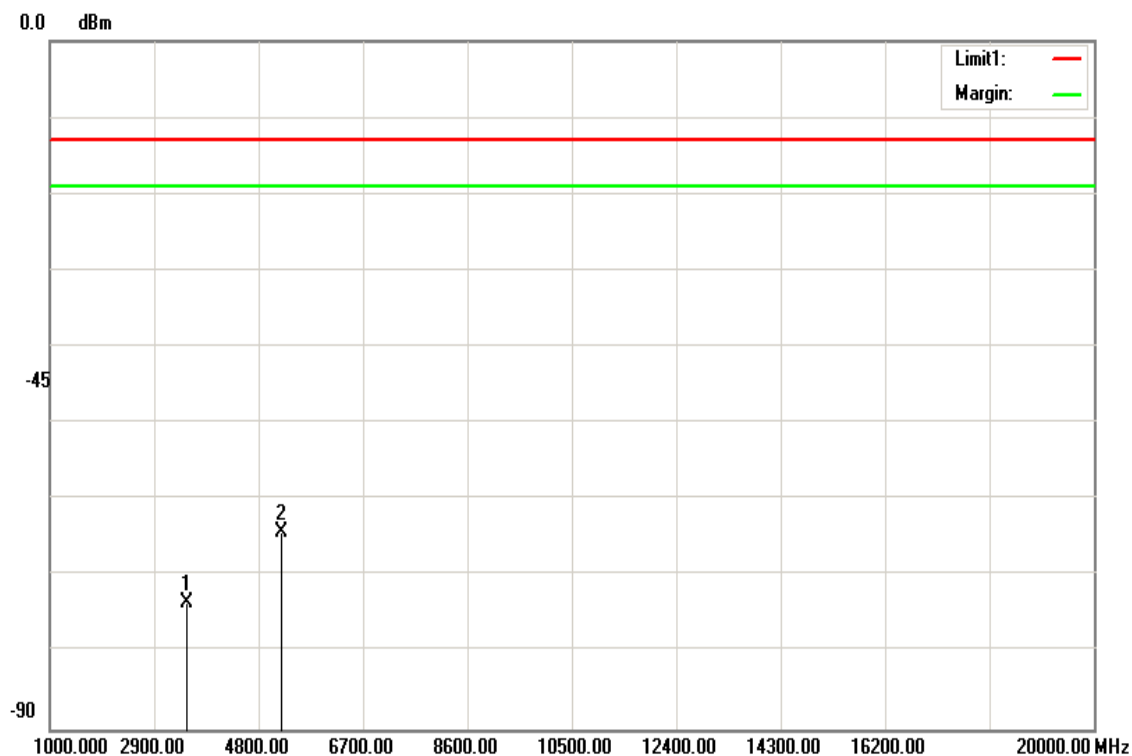
Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Ver.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3490.000	-67.13	6.42	-73.55	-13.00	-60.55	V
5207.000	-54.59	7.99	-62.58	-13.00	-49.58	V
N/A						

Operation Mode: Tx / High CH
Temperature: 22°C
Humidity: 45 %RH

Test Date: January 28, 2019
Tested by: Jerry Chuang
Polarity: Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3490.000	-67.04	6.42	-73.46	-13.00	-60.46	H
5207.000	-56.21	7.99	-64.20	-13.00	-51.20	H
N/A						

-- End of Test Report --