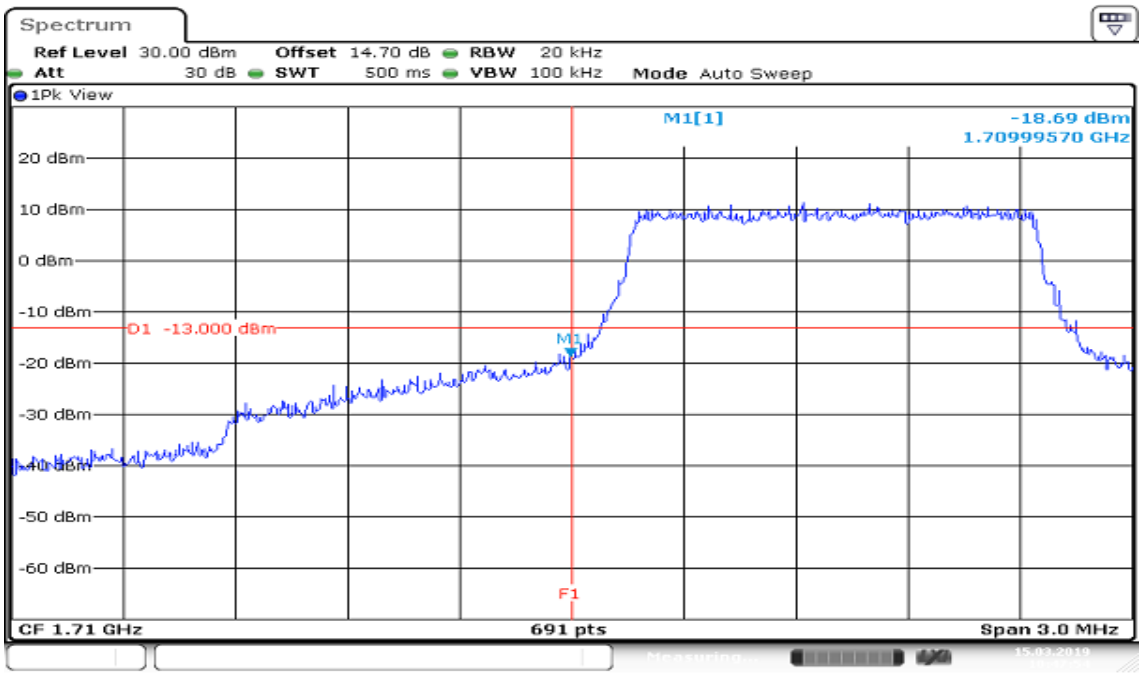
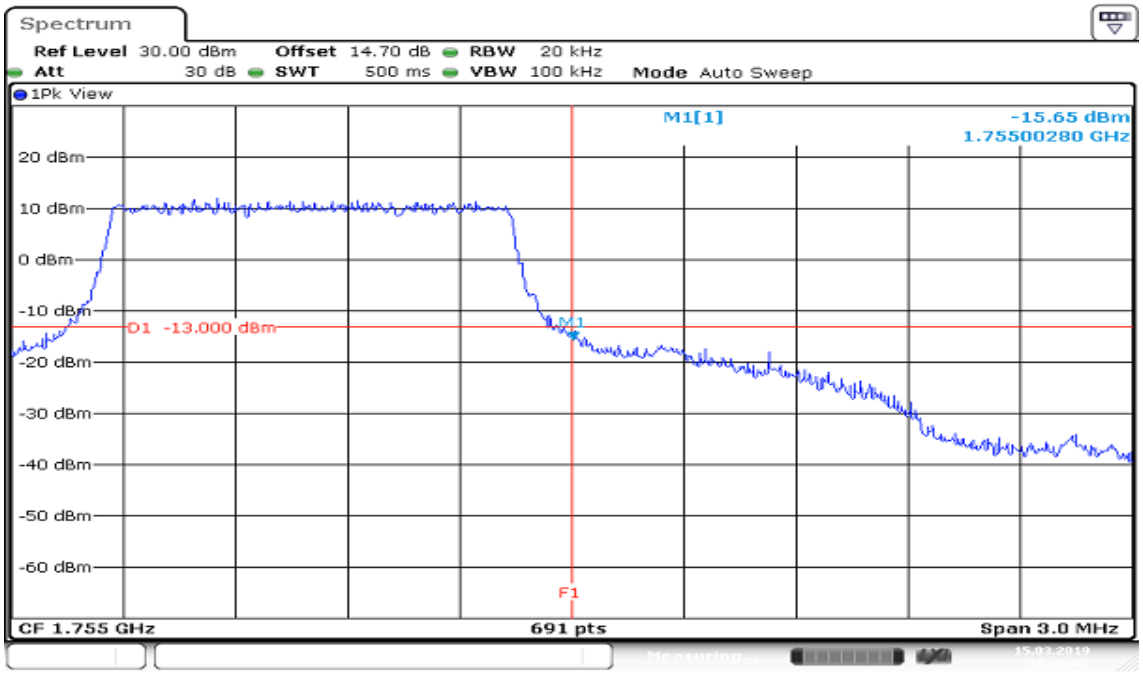
CHANNEL BANDWIDTH: 1.4MHz / QPSK / 100%RB ALLOCATED
LOWER BAND EDGE



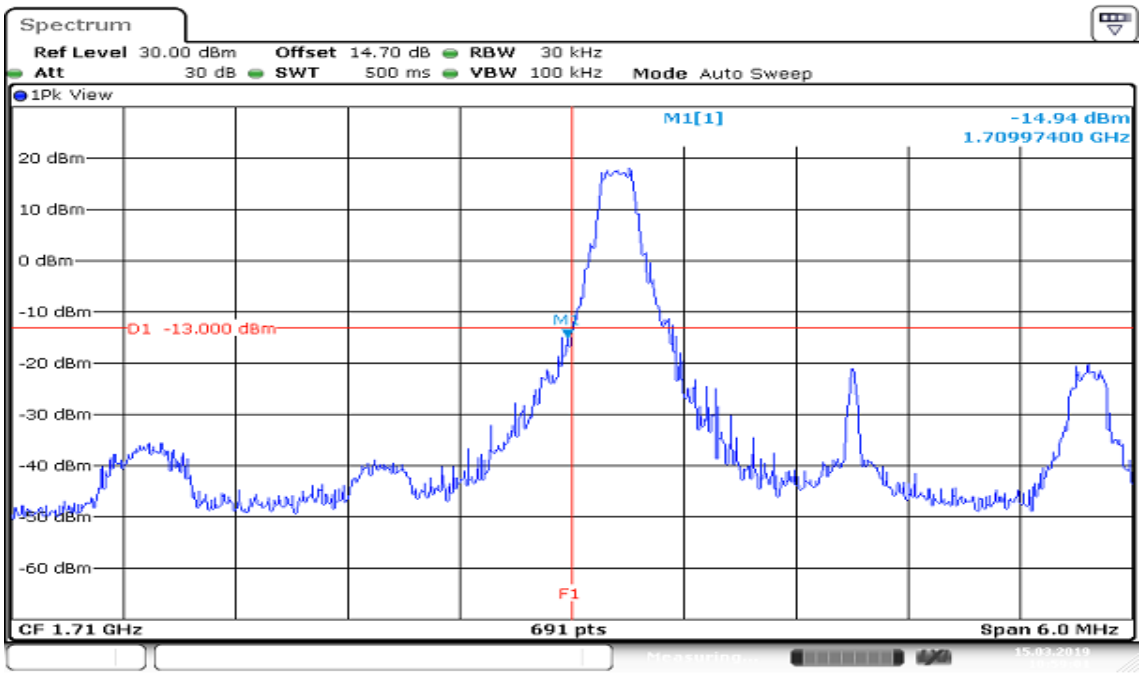
Date: 15.MAR.2019 10:47:54

HIGHER BAND EDGE



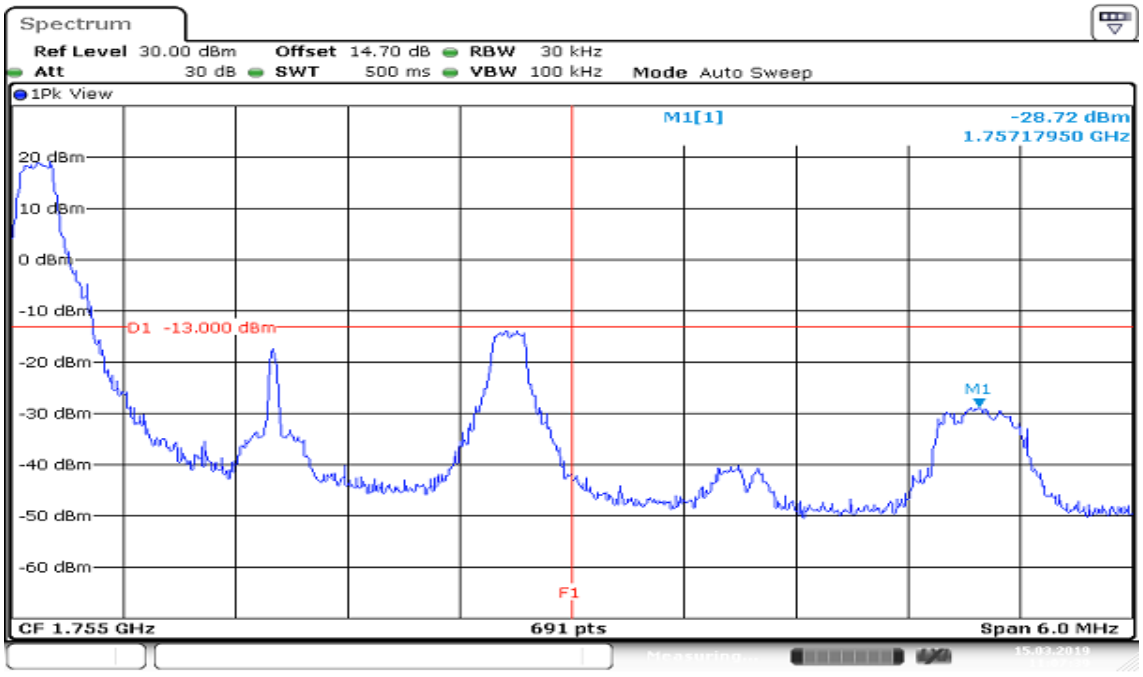
Date: 15.MAR.2019 10:46:07

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



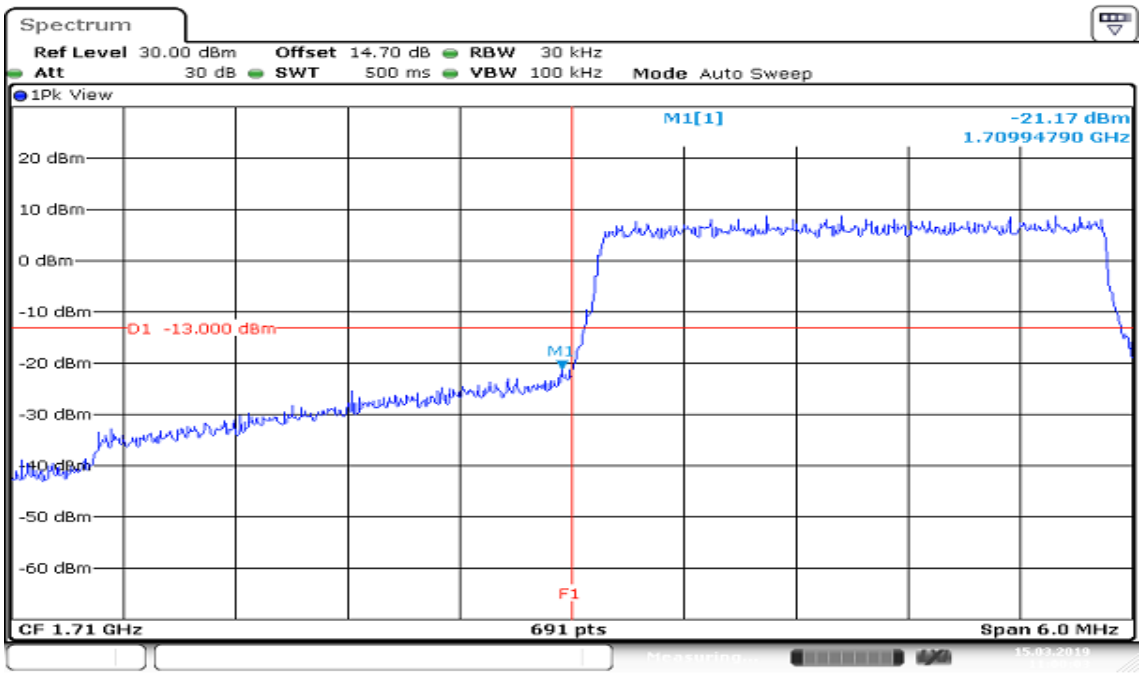
Date: 15.MAR.2019 10:59:01

HIGHER BAND EDGE



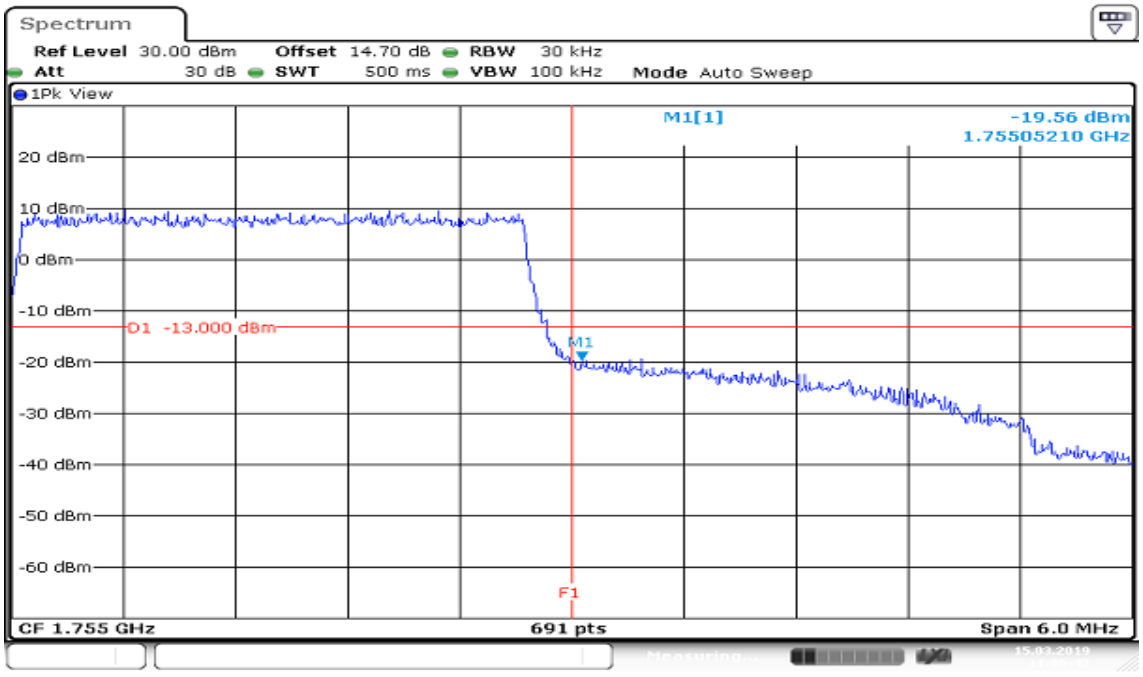
Date: 15.MAR.2019 11:07:39

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



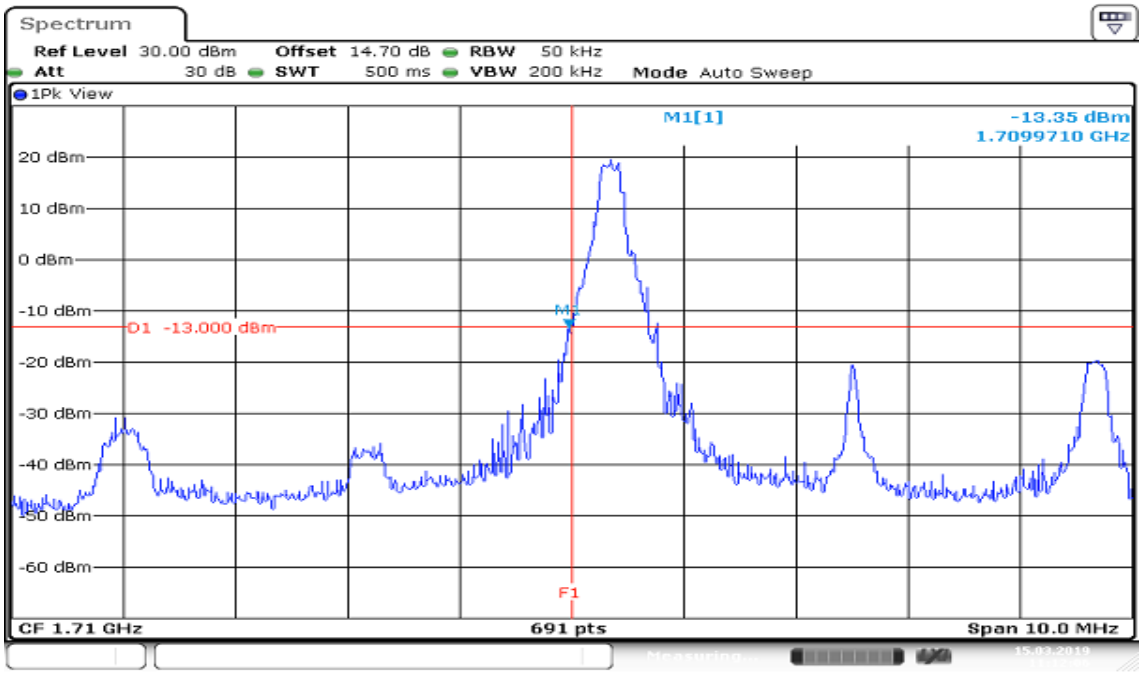
Date: 15.MAR.2019 11:00:04

HIGHER BAND EDGE



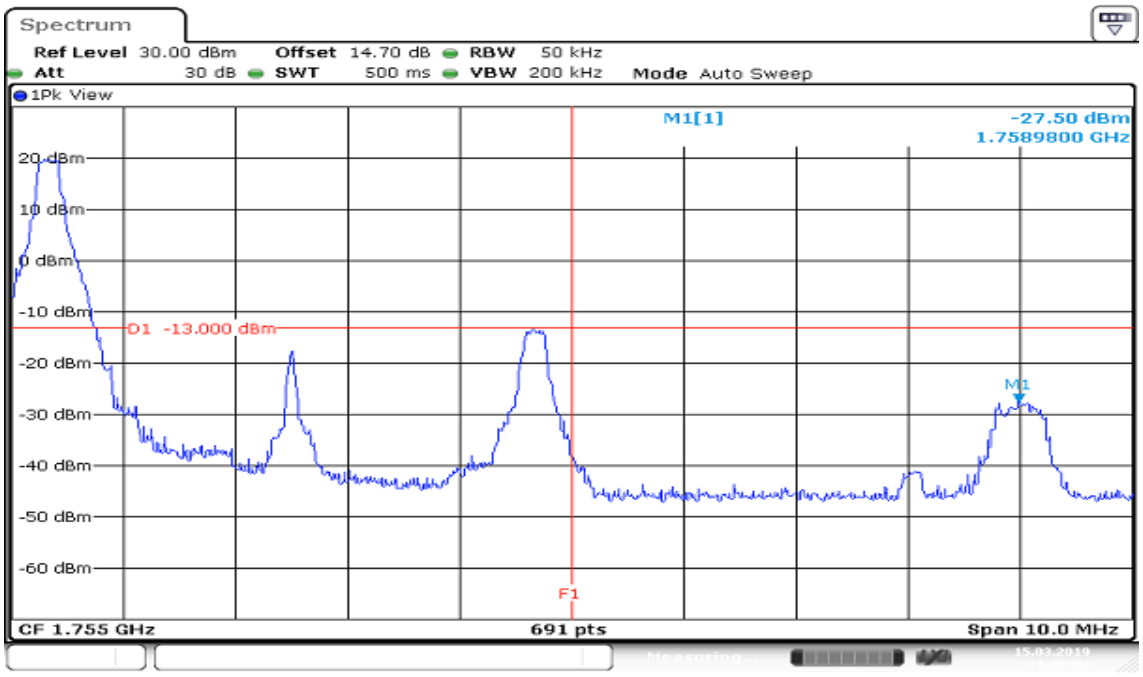
Date: 15.MAR.2019 11:06:43

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



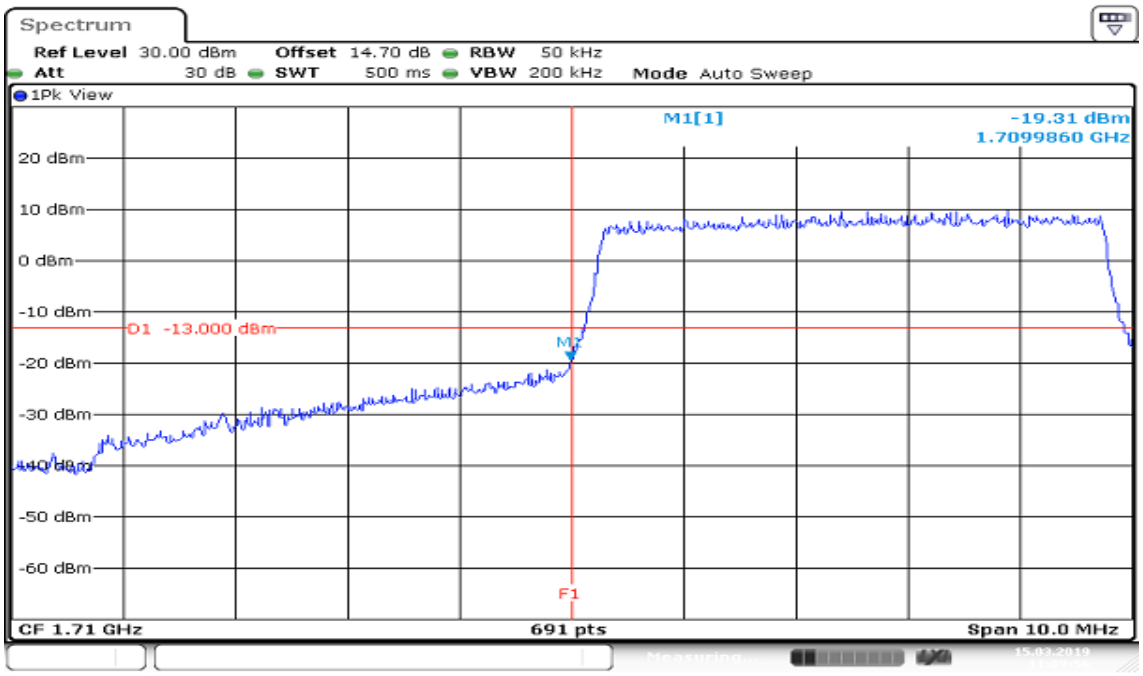
Date: 15.MAR.2019 11:12:07

HIGHER BAND EDGE



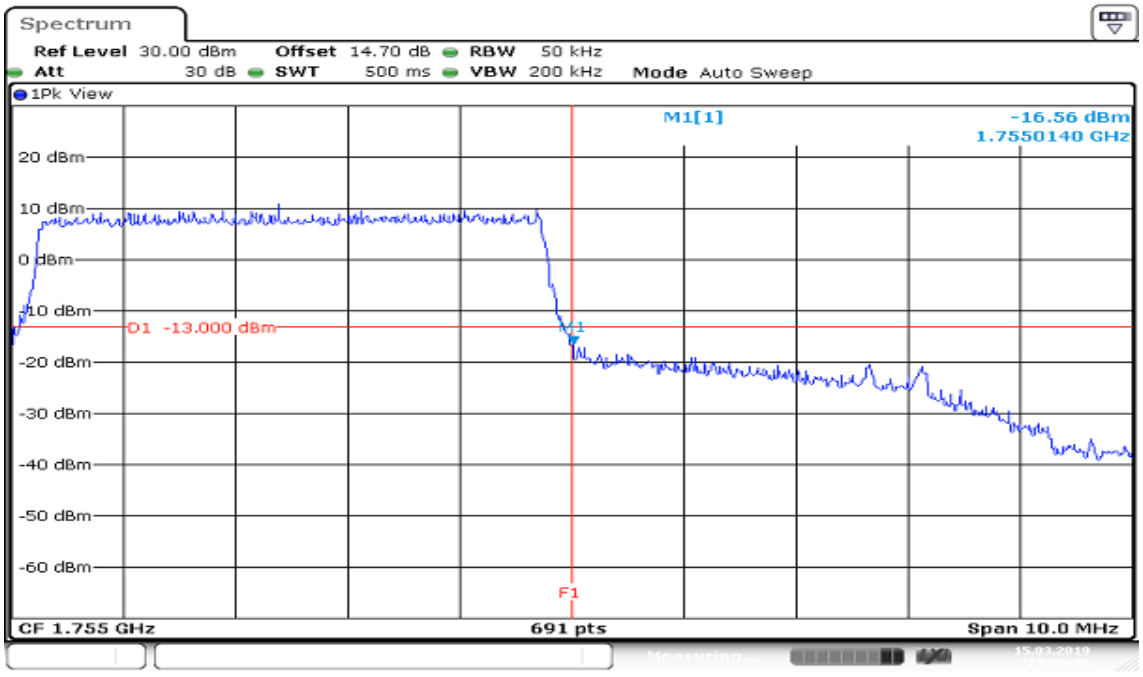
Date: 15.MAR.2019 11:18:03

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



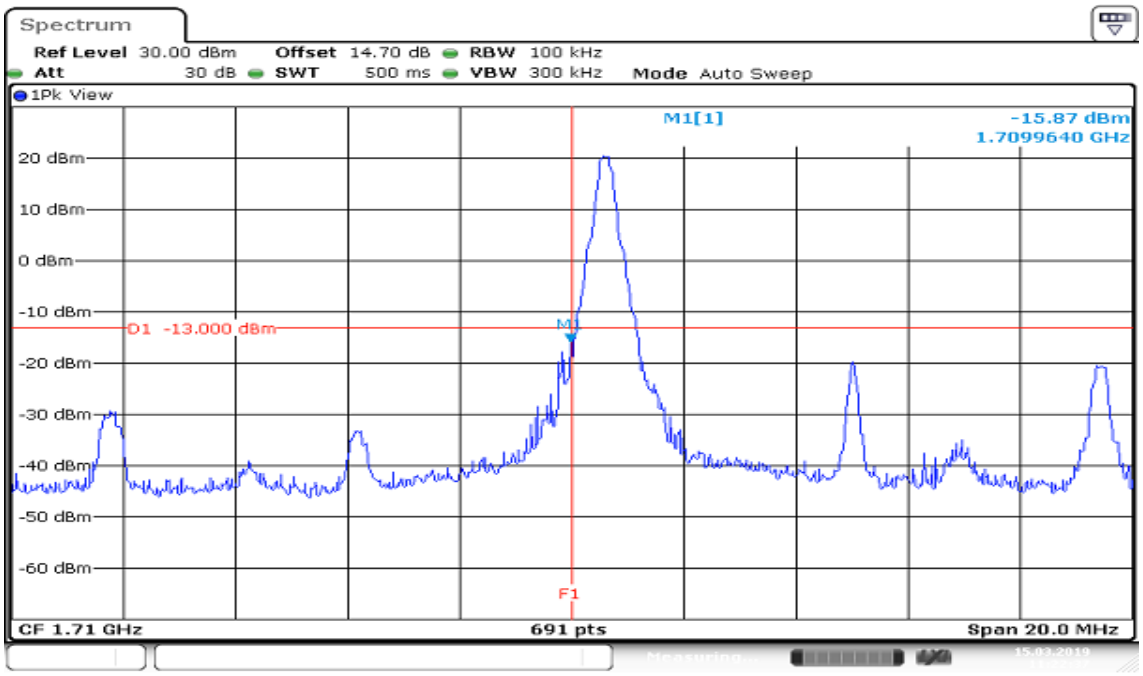
Date: 15.MAR.2019 11:09:57

HIGHER BAND EDGE



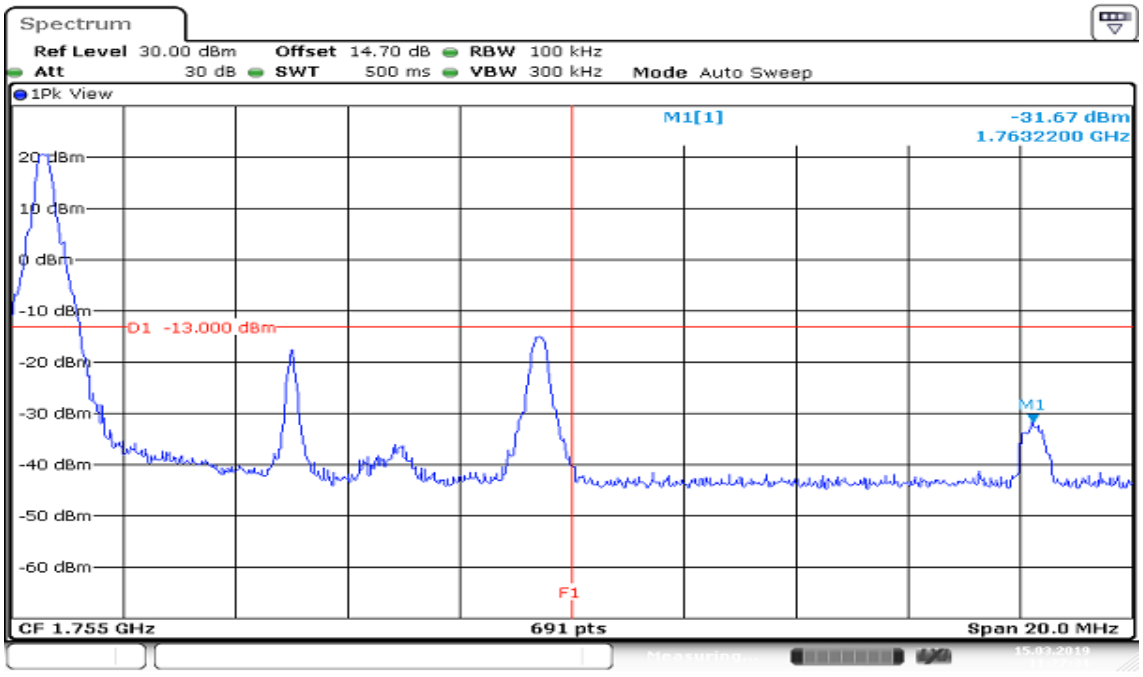
Date: 15.MAR.2019 11:18:41

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



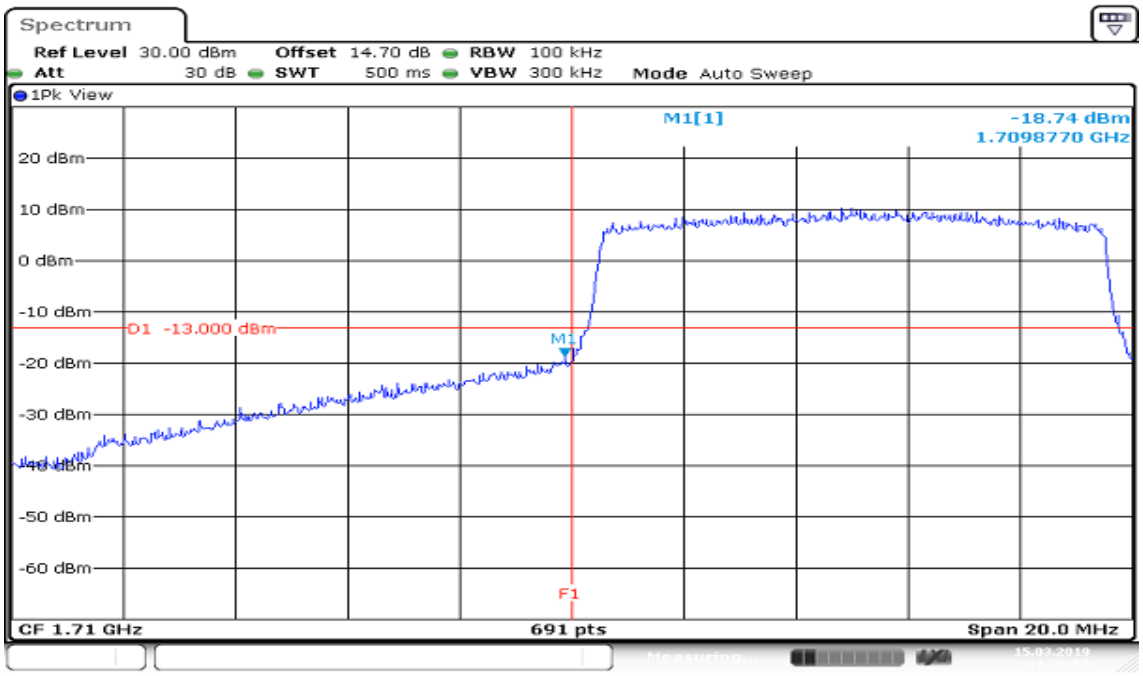
Date: 15.MAR.2019 11:22:37

HIGHER BAND EDGE



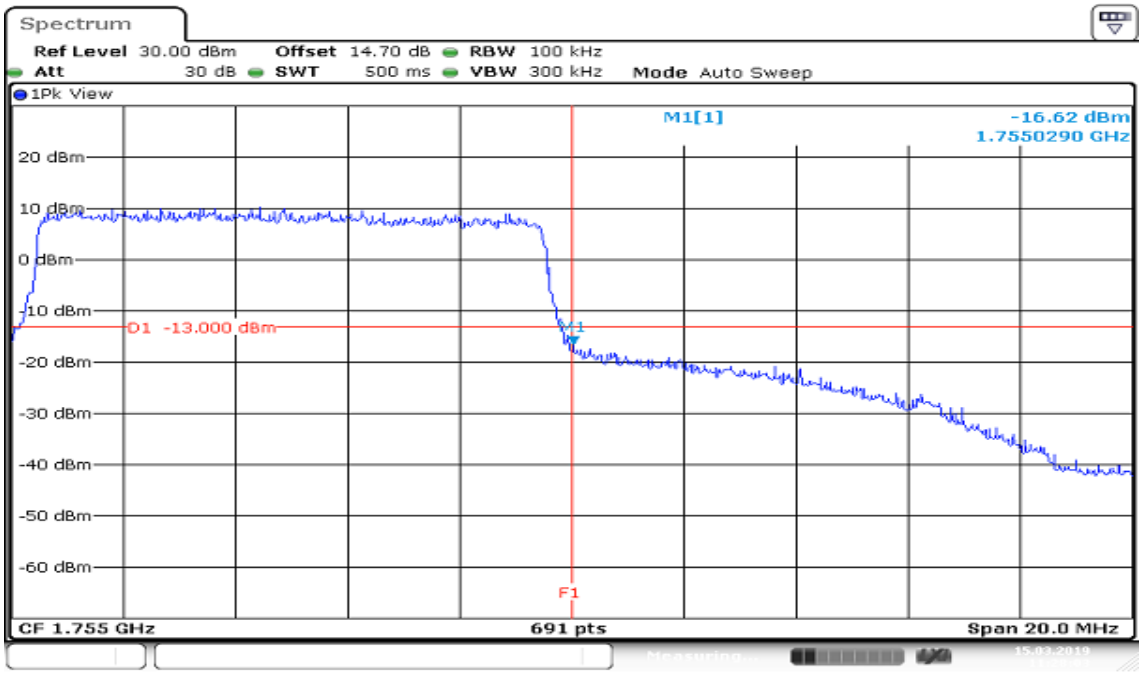
Date: 15.MAR.2019 11:27:31

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



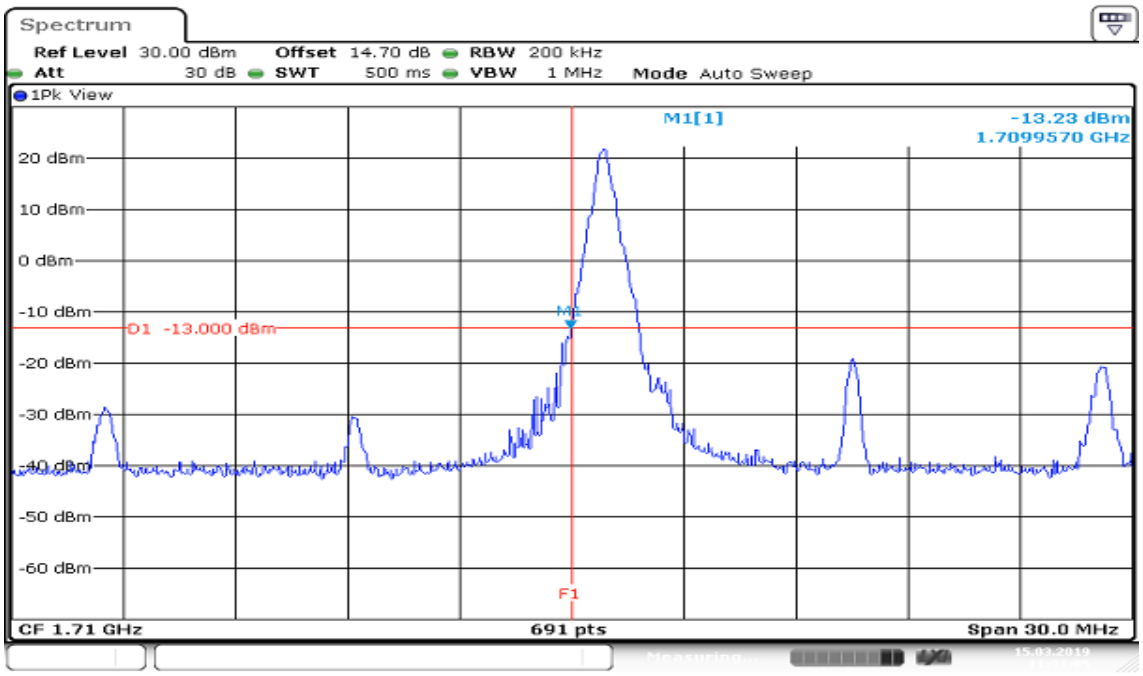
Date: 15.MAR.2019 11:20:58

HIGHER BAND EDGE



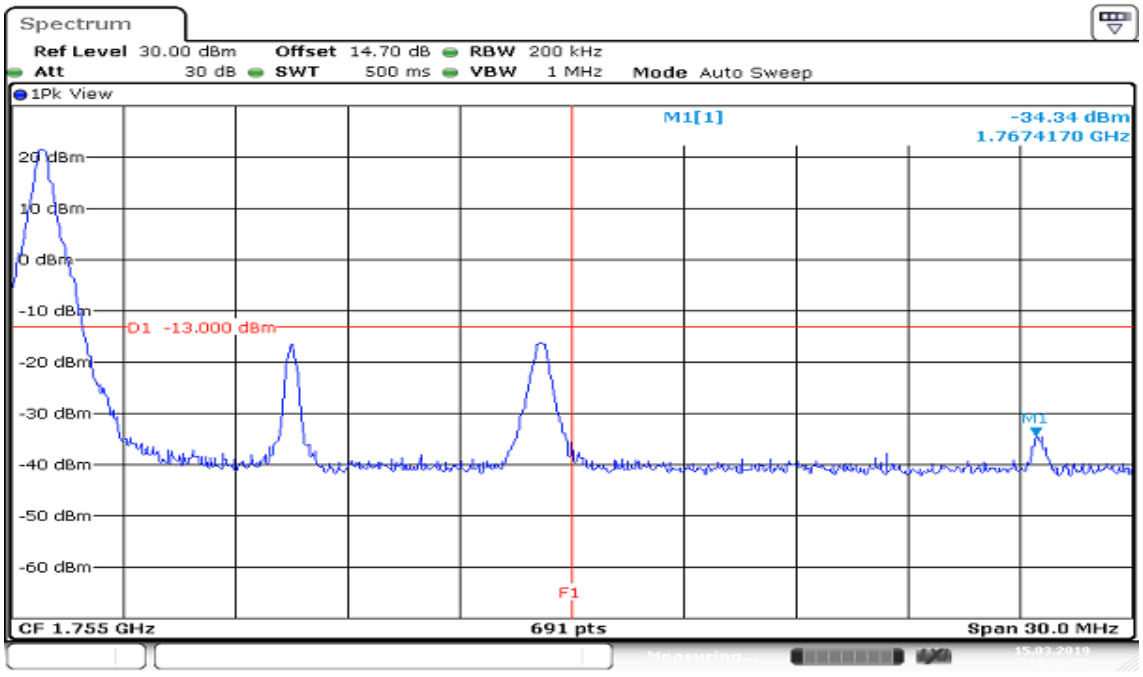
Date: 15.MAR.2019 11:28:04

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



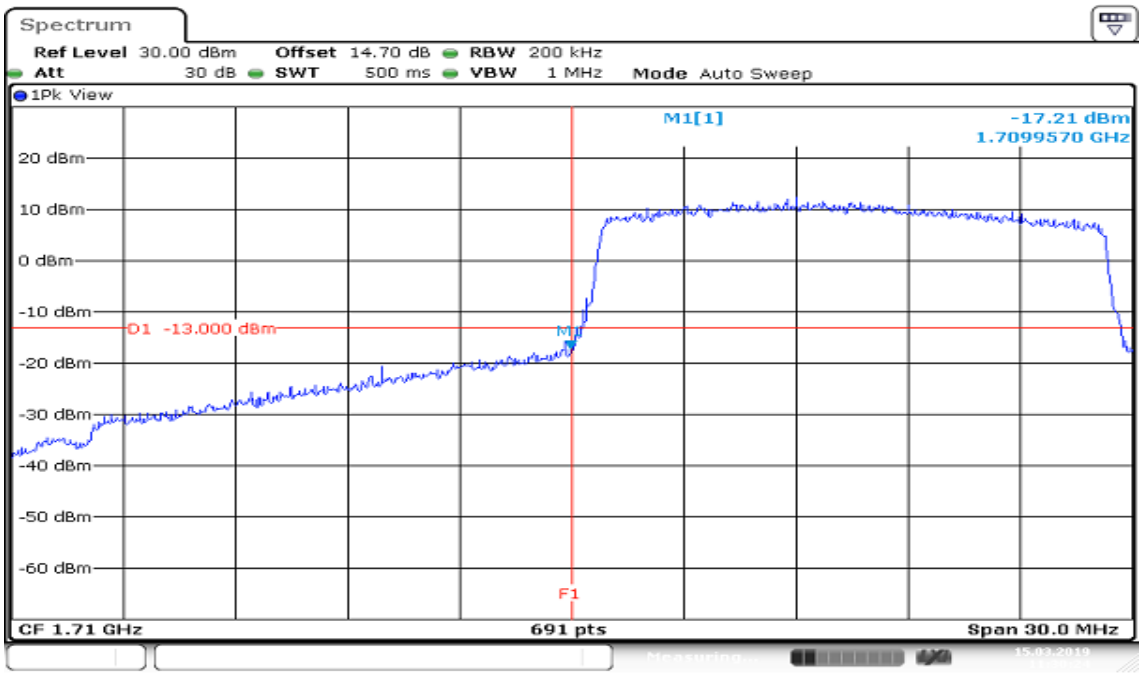
Date: 15.MAR.2019 11:31:06

HIGHER BAND EDGE



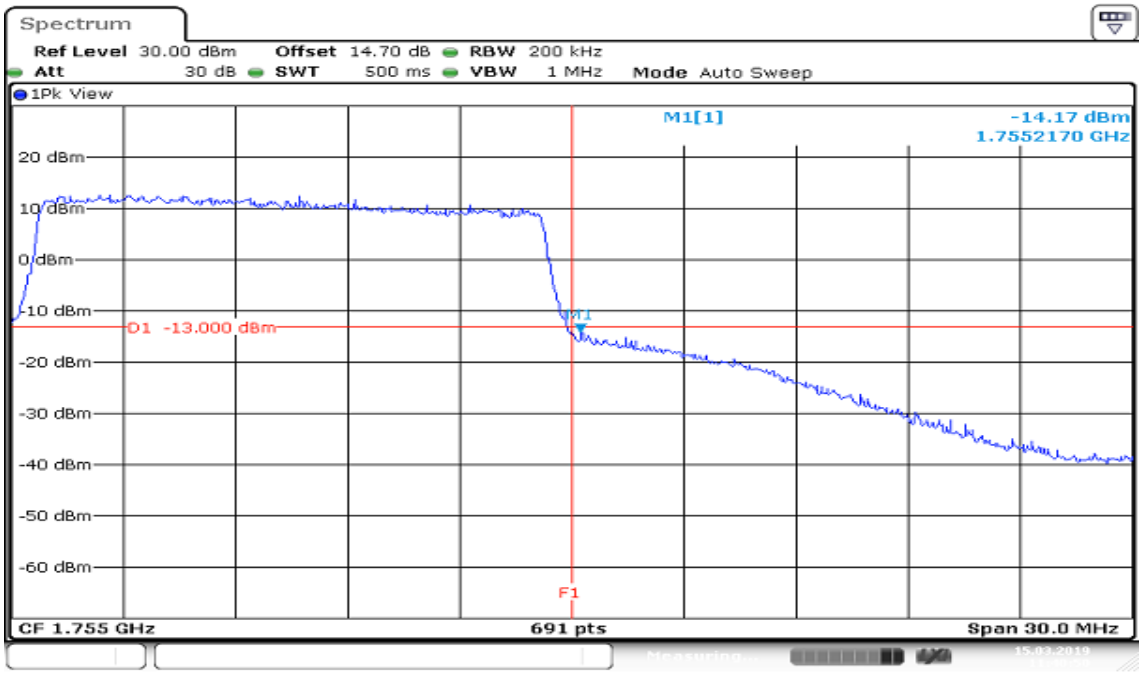
Date: 15.MAR.2019 11:36:56

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



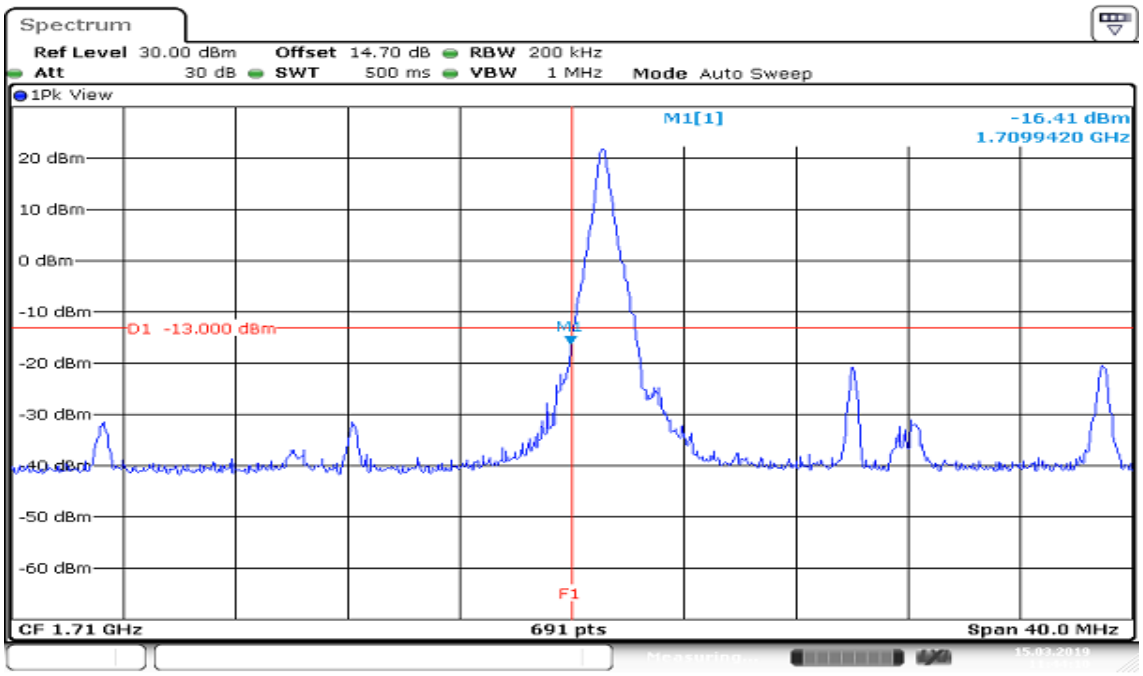
Date: 15.MAR.2019 11:30:25

HIGHER BAND EDGE



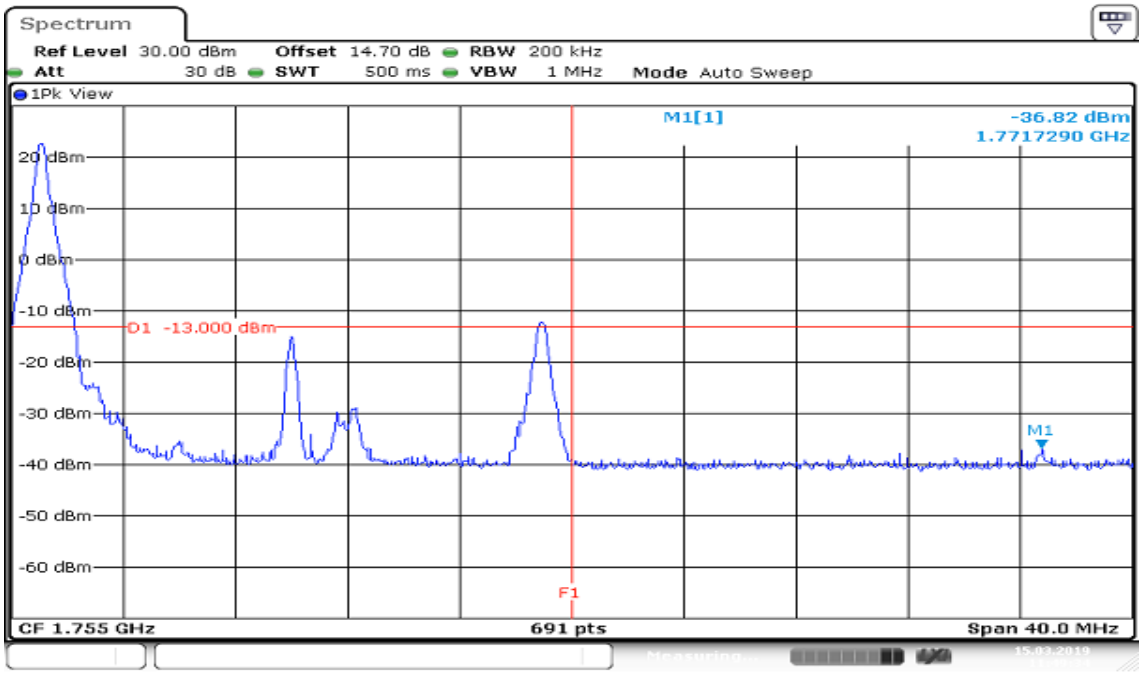
Date: 15.MAR.2019 11:40:50

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



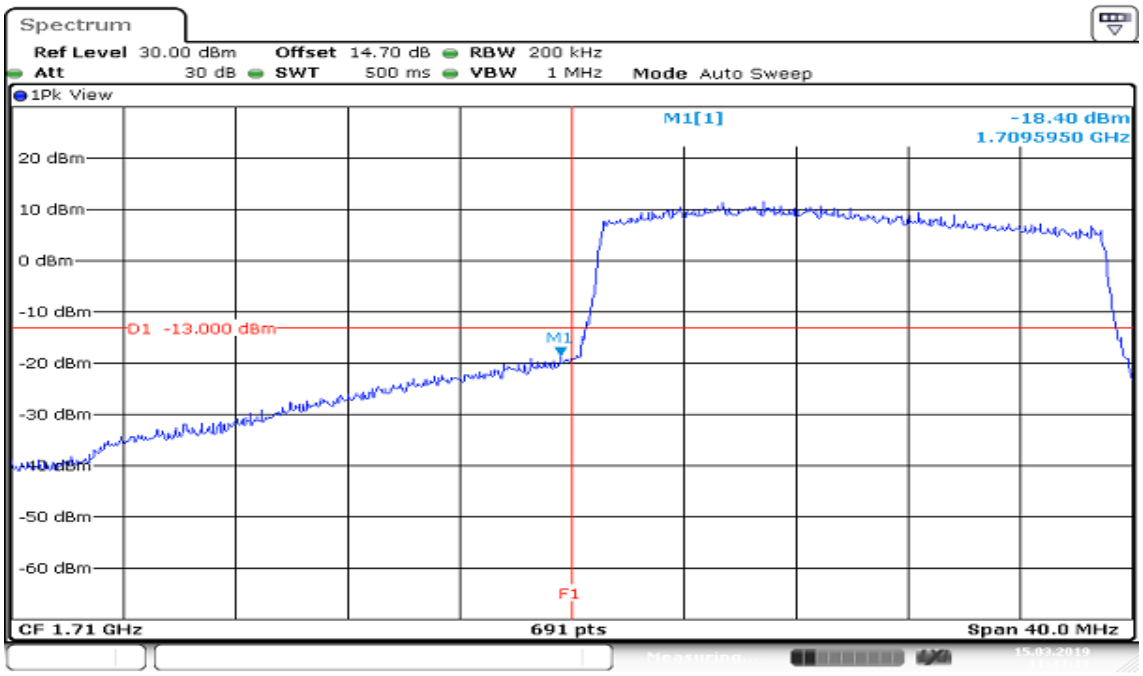
Date: 15.MAR.2019 11:44:10

HIGHER BAND EDGE



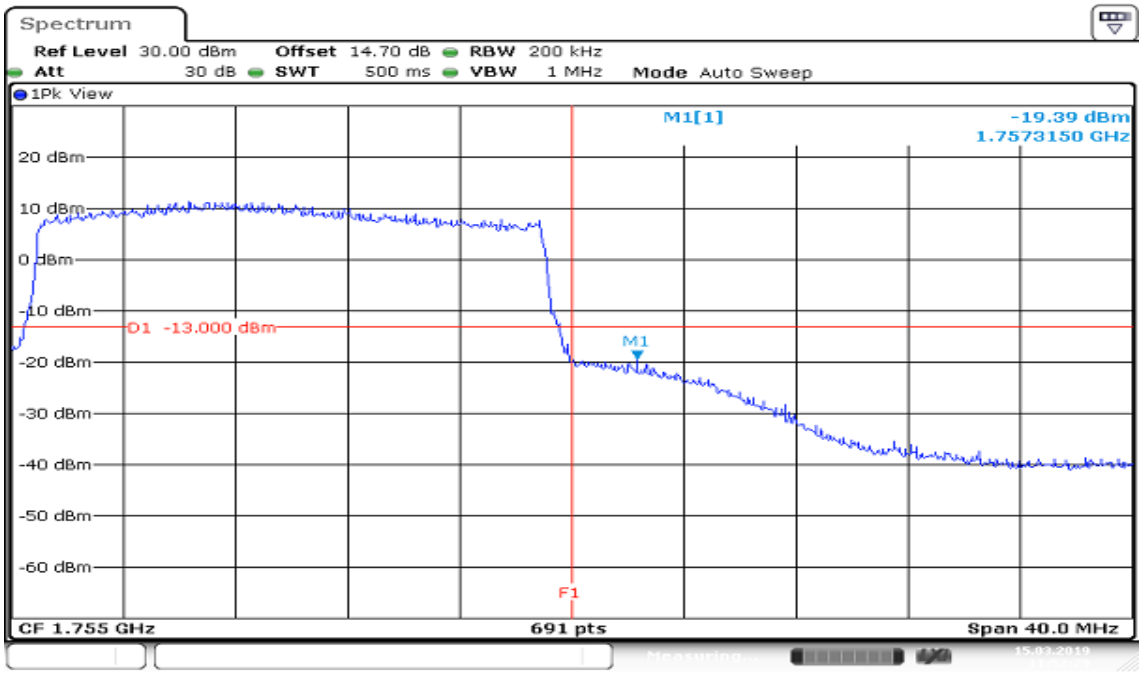
Date: 15.MAR.2019 11:49:35

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



Date: 15.MAR.2019 11:43:19

HIGHER BAND EDGE

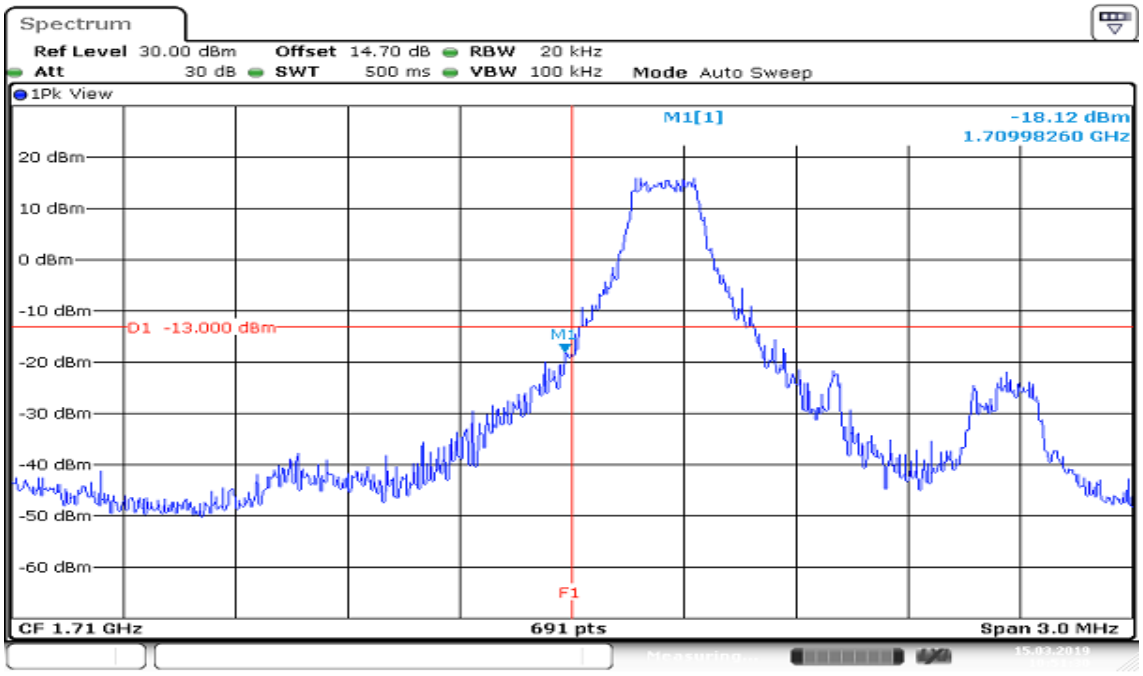


Date: 15.MAR.2019 11:52:29

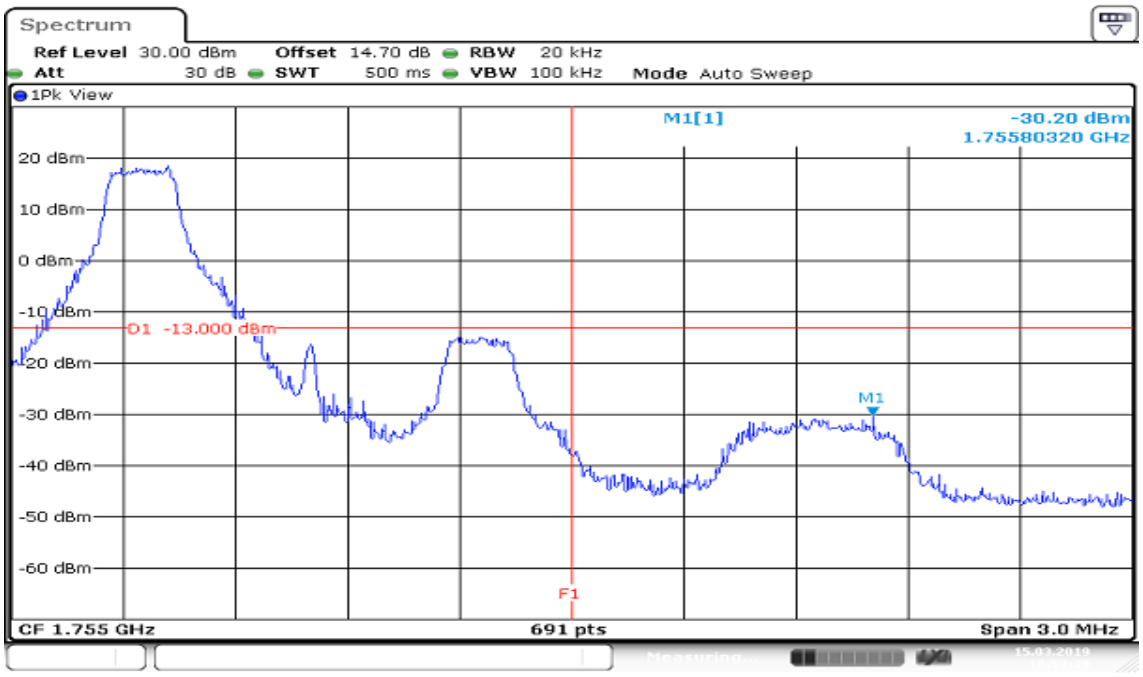
LTE Band 4

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

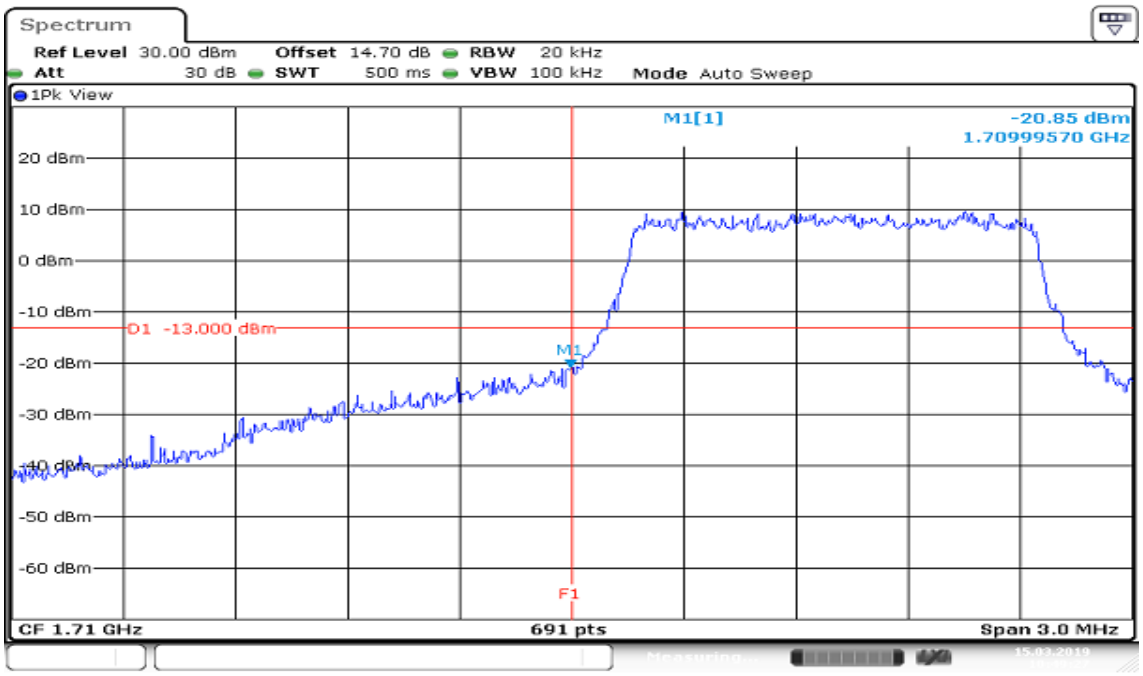
LOWER BAND EDGE



HIGHER BAND EDGE

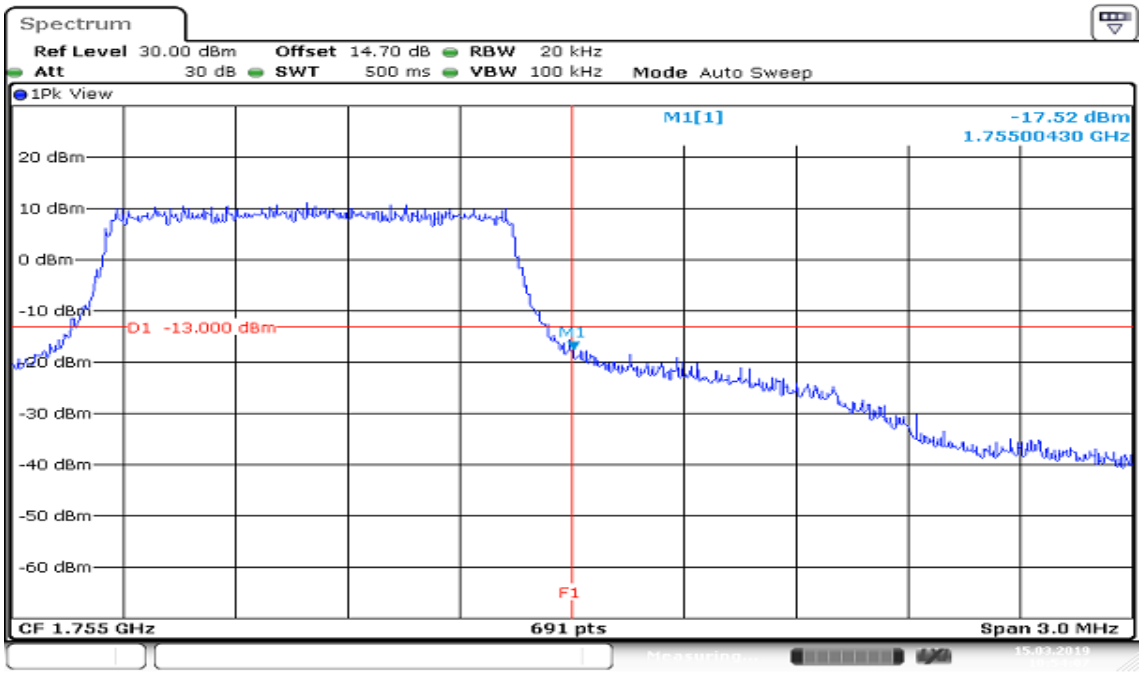


CHANNEL BANDWIDTH: 1.4MHz / 16QAM / 100%RB ALLOCATED
LOWER BAND EDGE



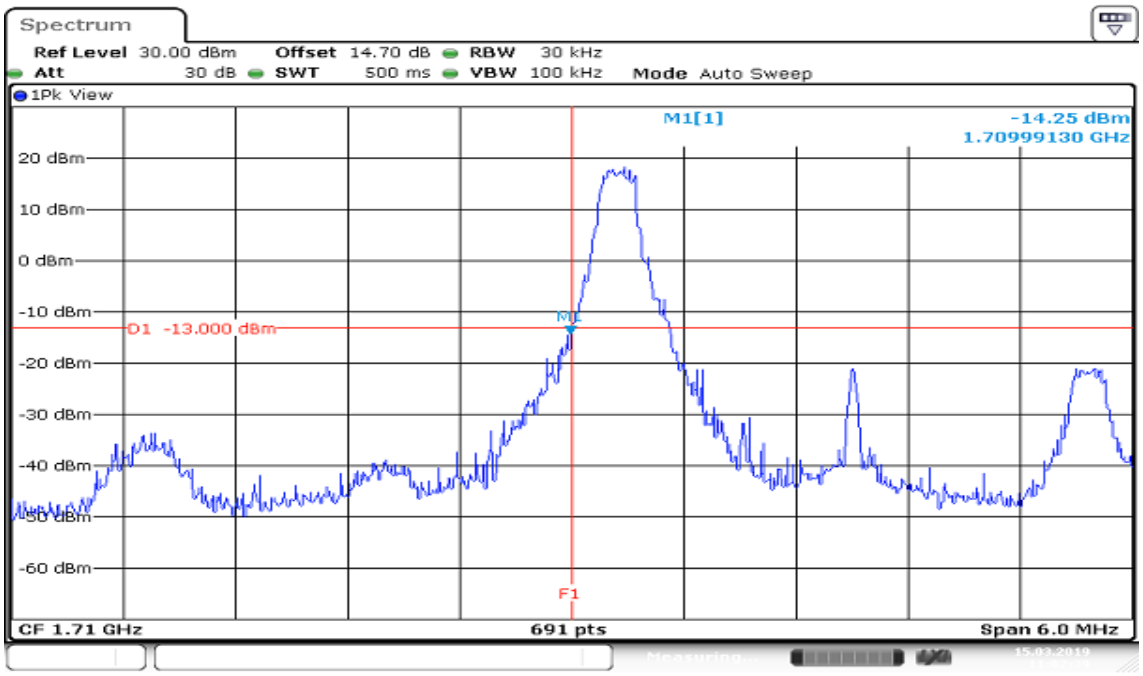
Date: 15.MAR.2019 10:49:27

HIGHER BAND EDGE



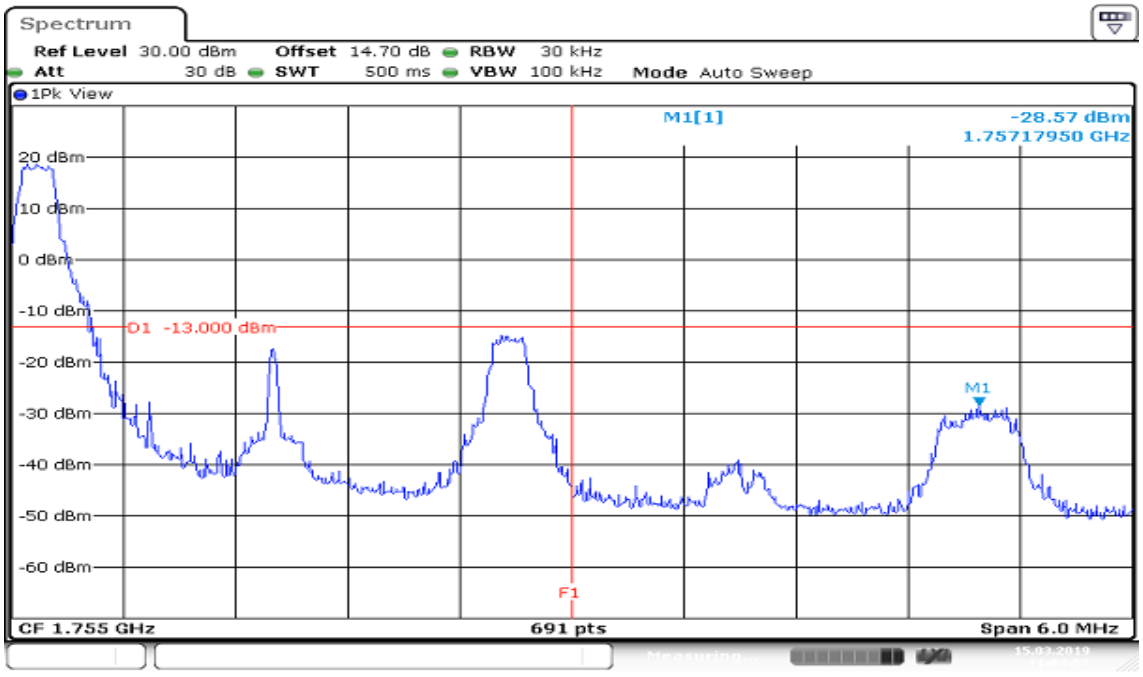
Date: 15.MAR.2019 10:54:08

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



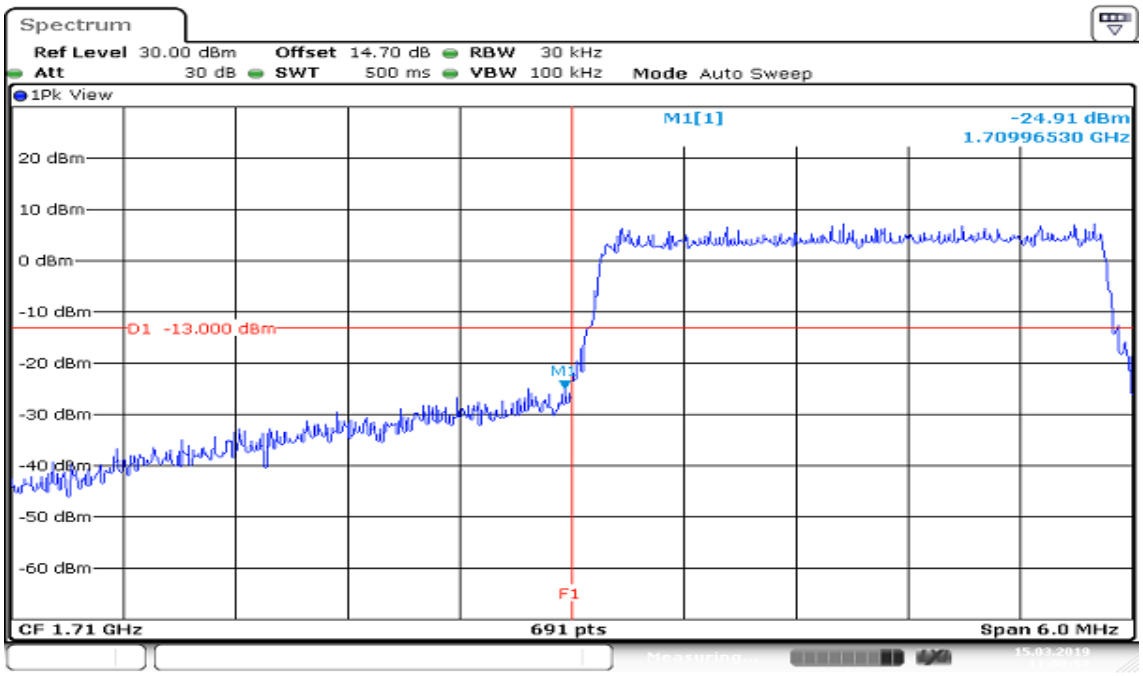
Date: 15.MAR.2019 11:02:40

HIGHER BAND EDGE



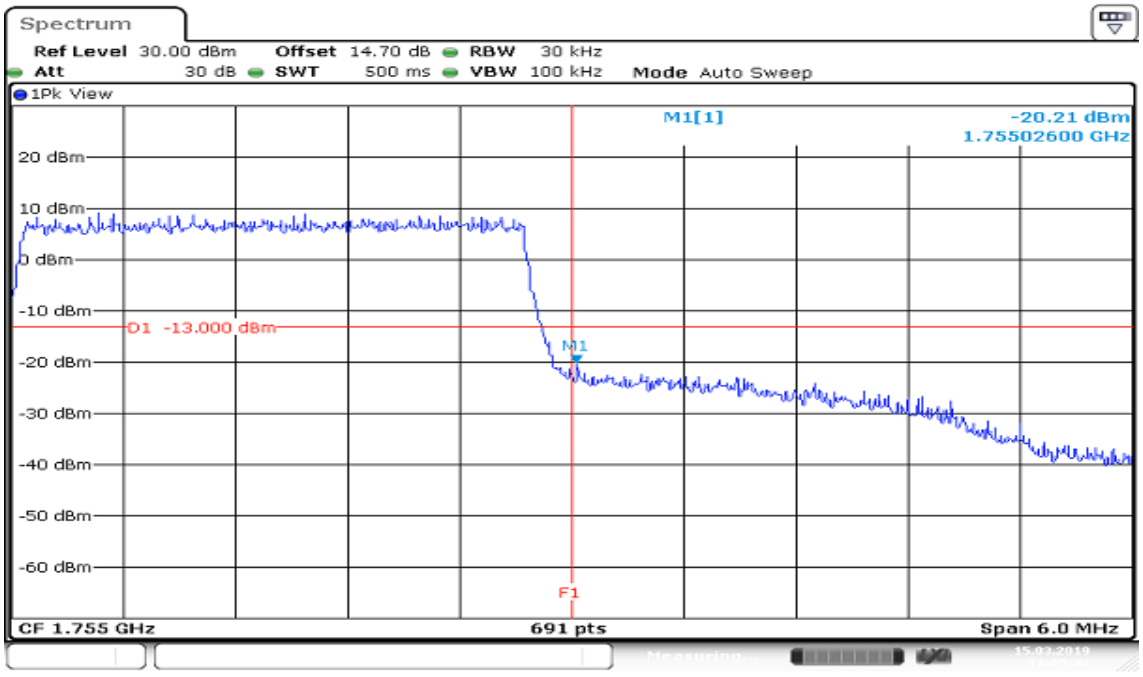
Date: 15.MAR.2019 11:04:58

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



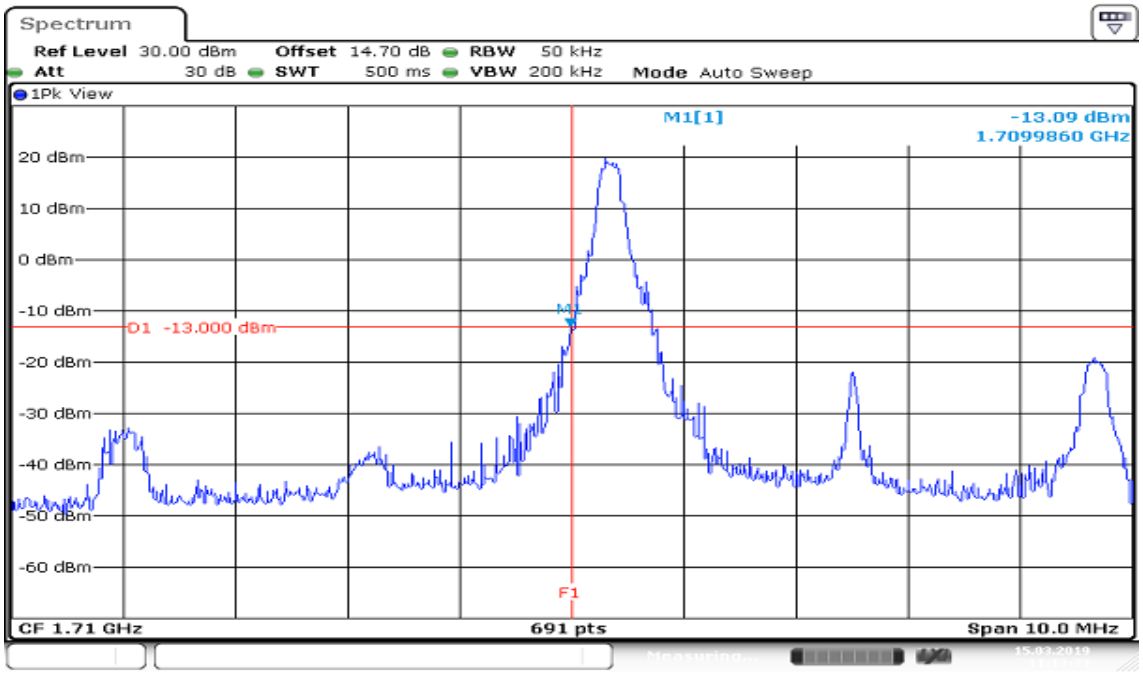
Date: 15.MAR.2019 11:00:59

HIGHER BAND EDGE



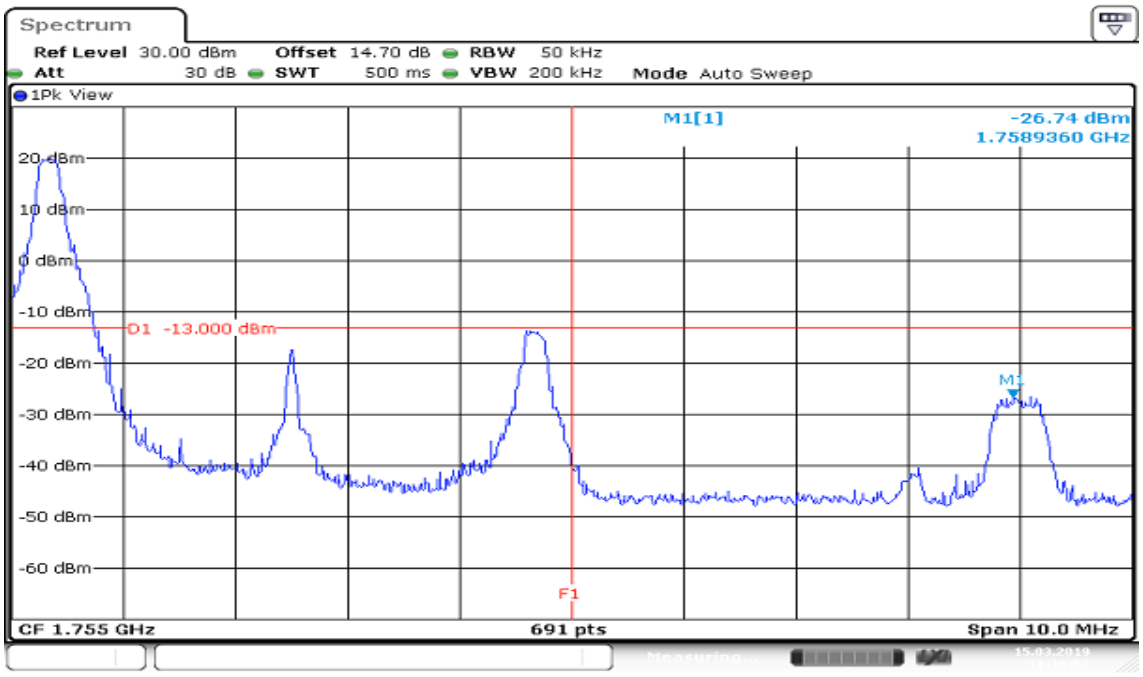
Date: 15.MAR.2019 11:05:47

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



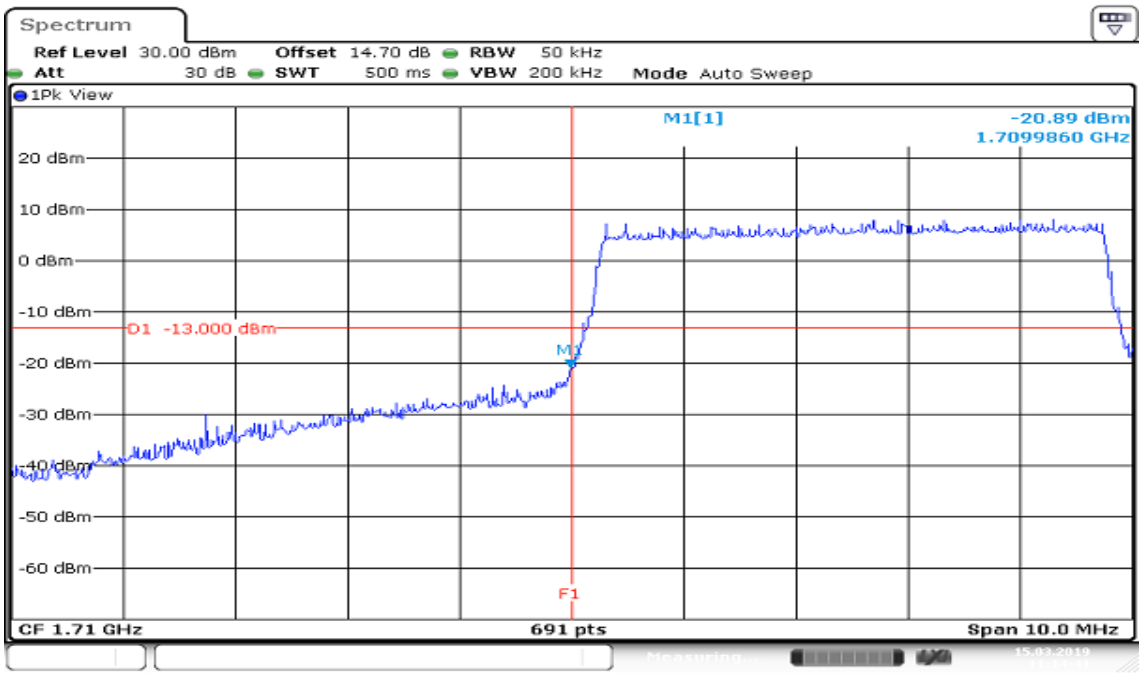
Date: 15.MAR.2019 11:13:33

HIGHER BAND EDGE



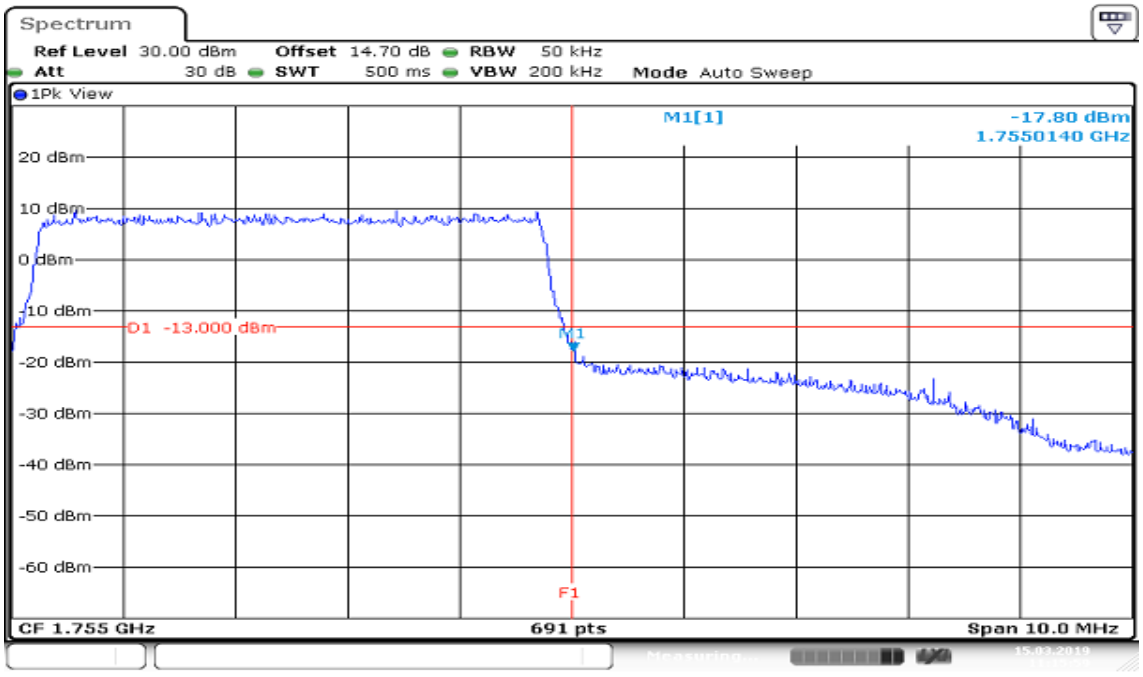
Date: 15.MAR.2019 11:16:58

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



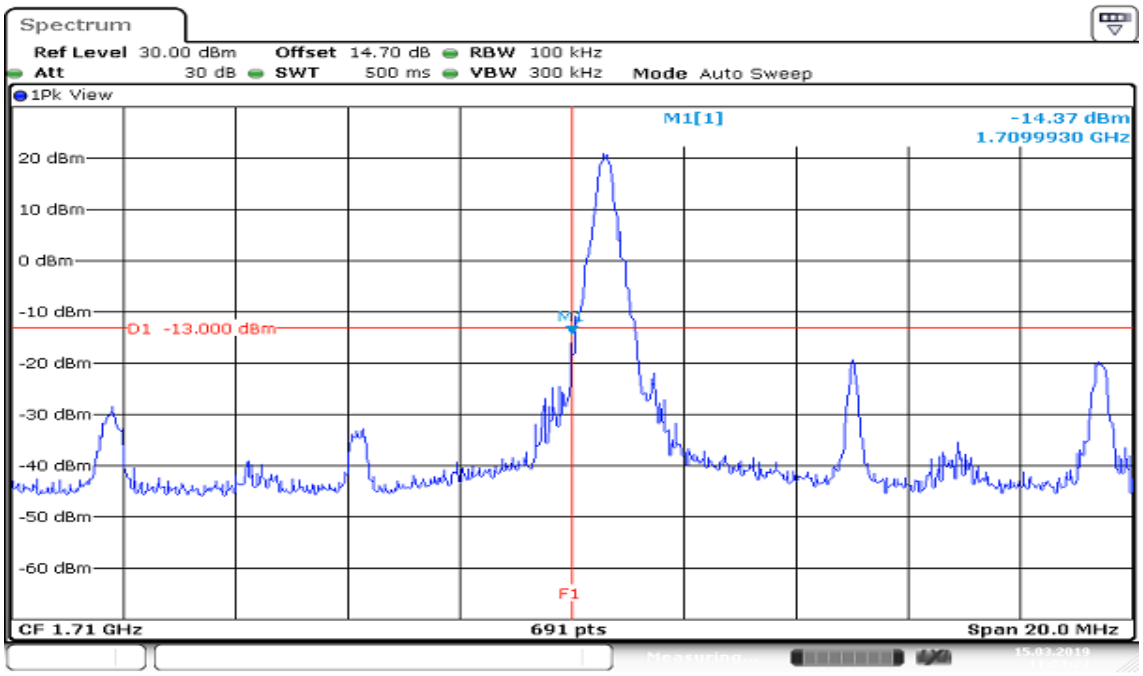
Date: 15.MAR.2019 11:14:41

HIGHER BAND EDGE



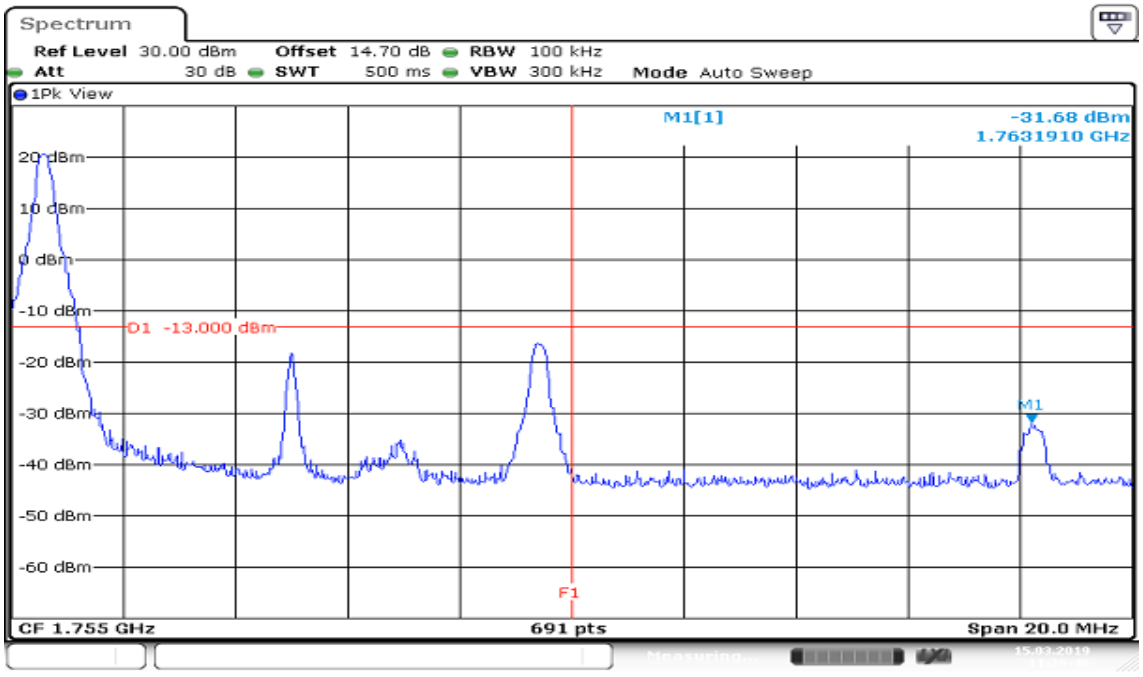
Date: 15.MAR.2019 11:15:59

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



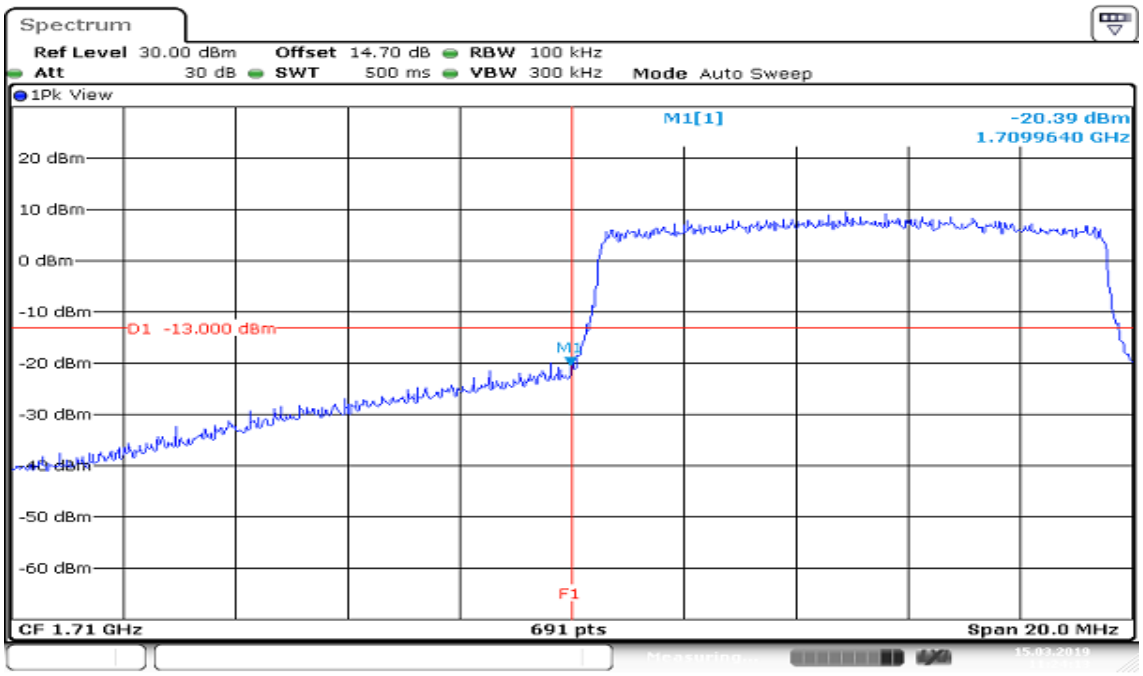
Date: 15.MAR.2019 11:23:24

HIGHER BAND EDGE



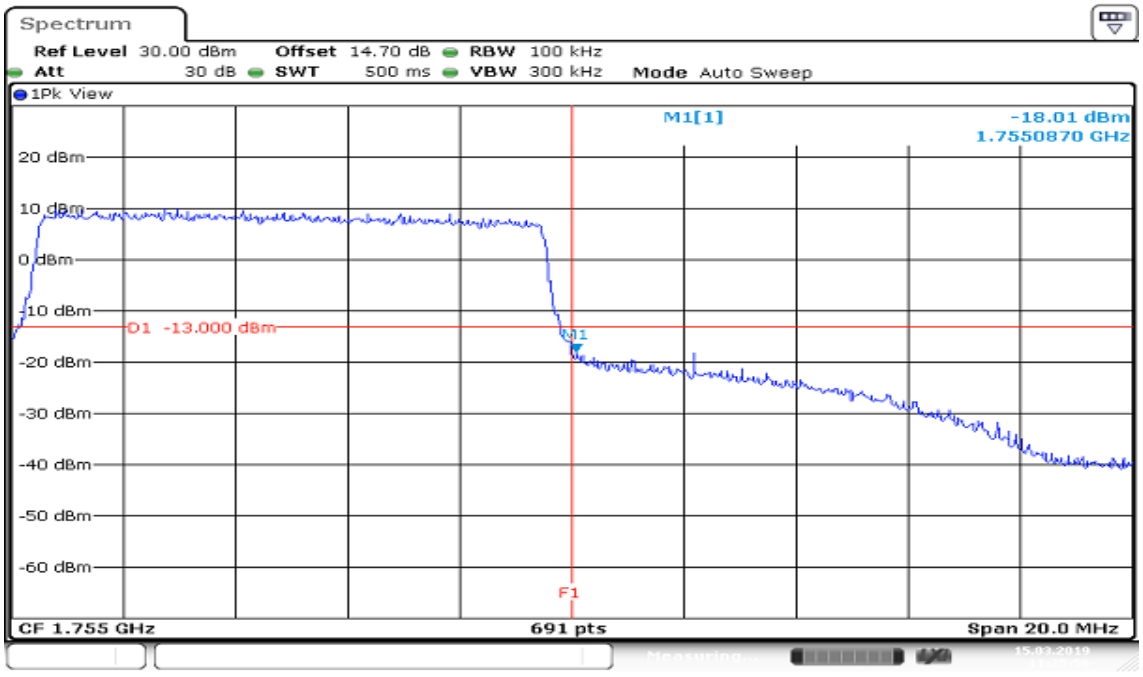
Date: 15.MAR.2019 11:26:46

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



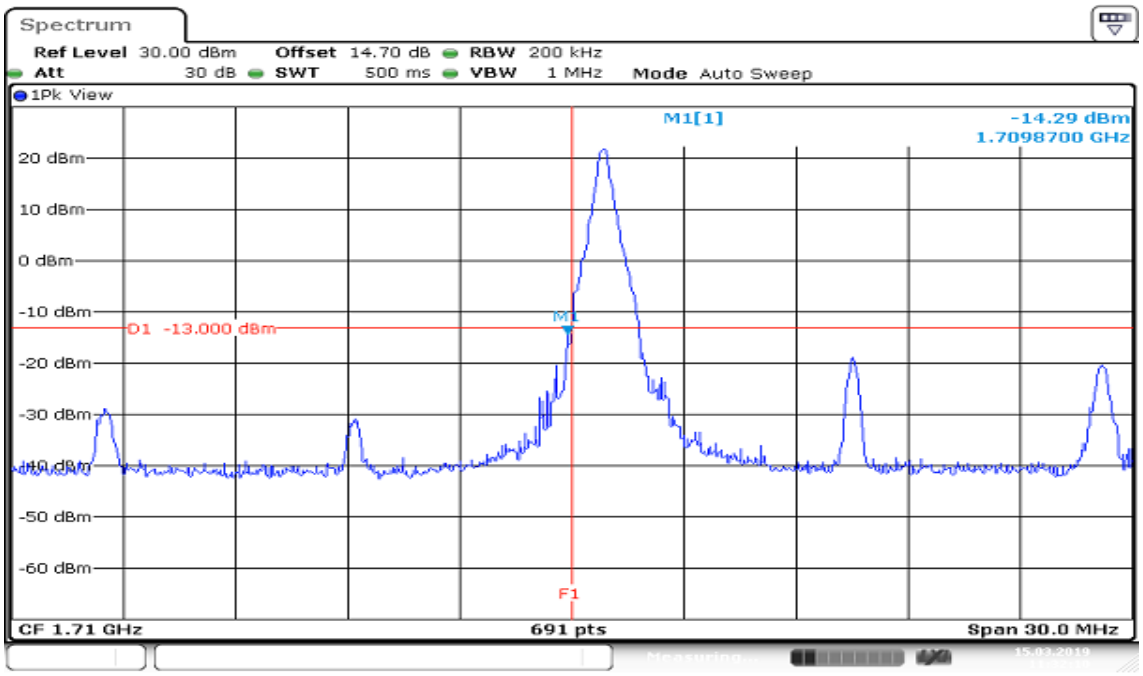
Date: 15.MAR.2019 11:24:14

HIGHER BAND EDGE



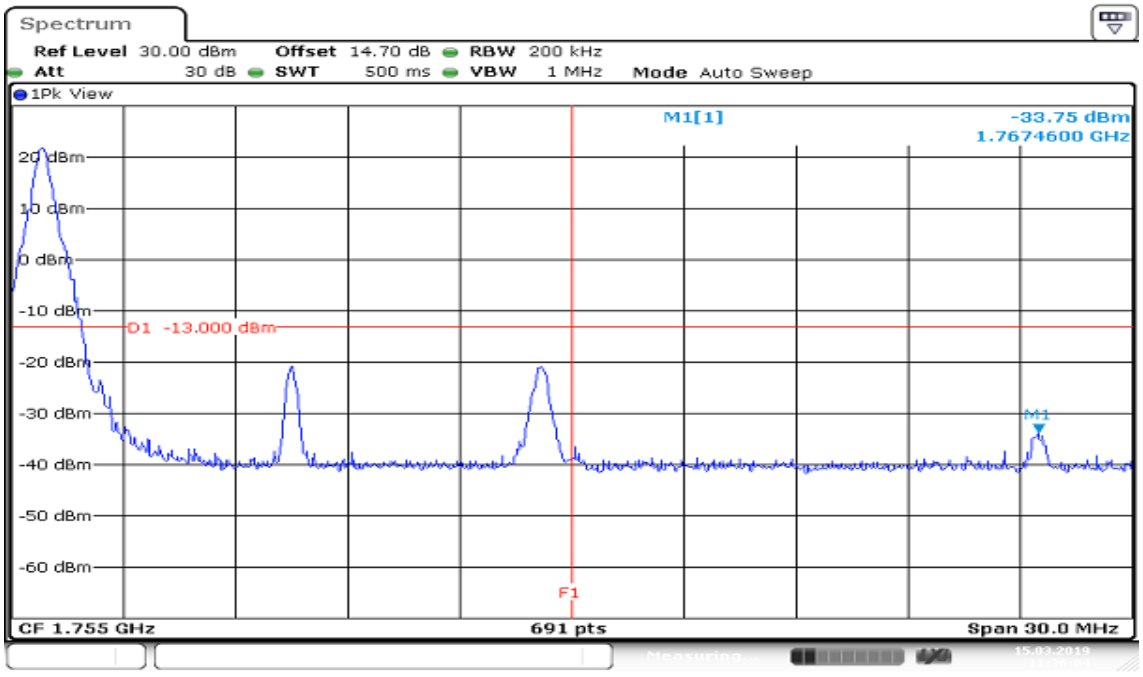
Date: 15.MAR.2019 11:25:57

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



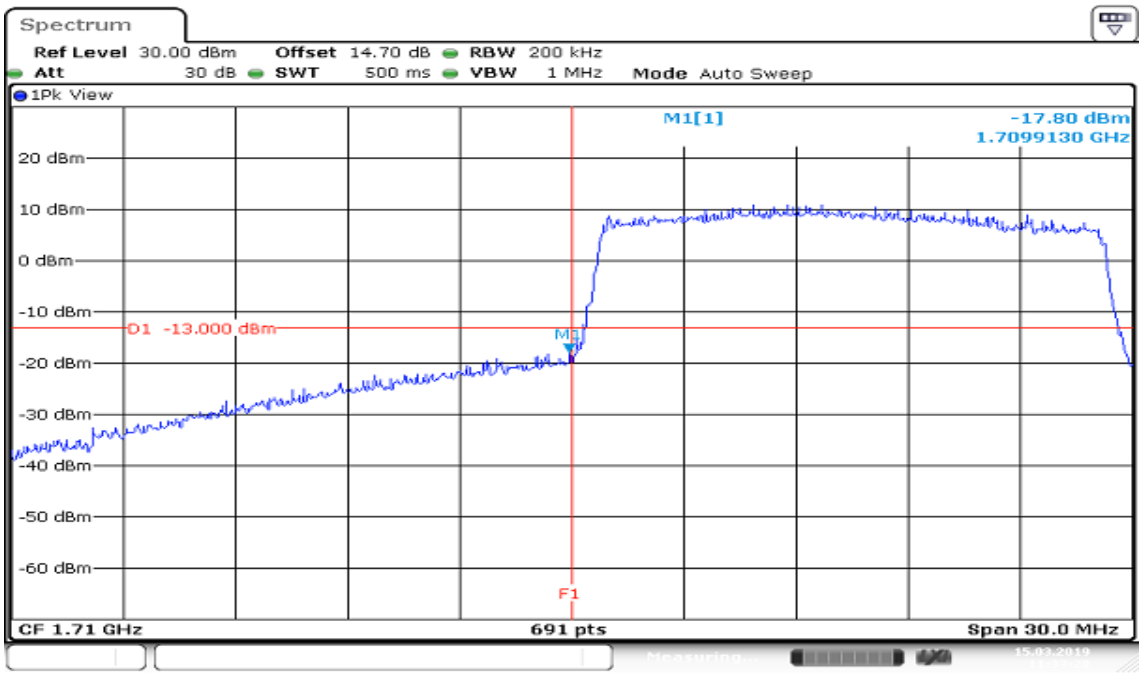
Date: 15.MAR.2019 11:32:10

HIGHER BAND EDGE



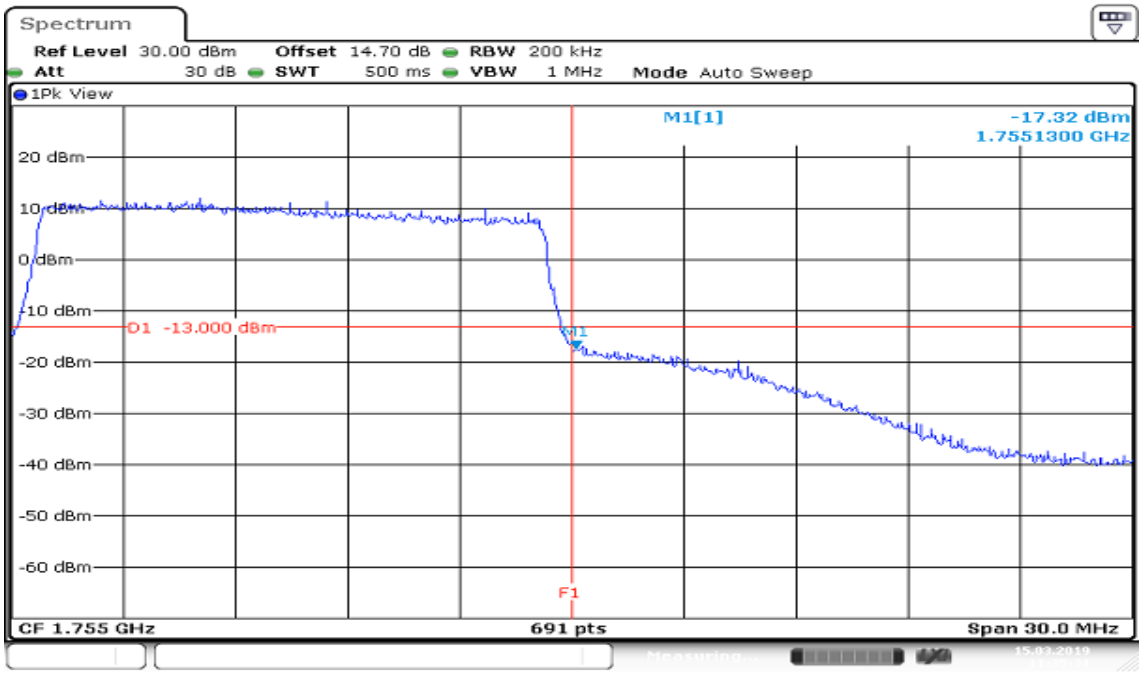
Date: 15.MAR.2019 11:36:04

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



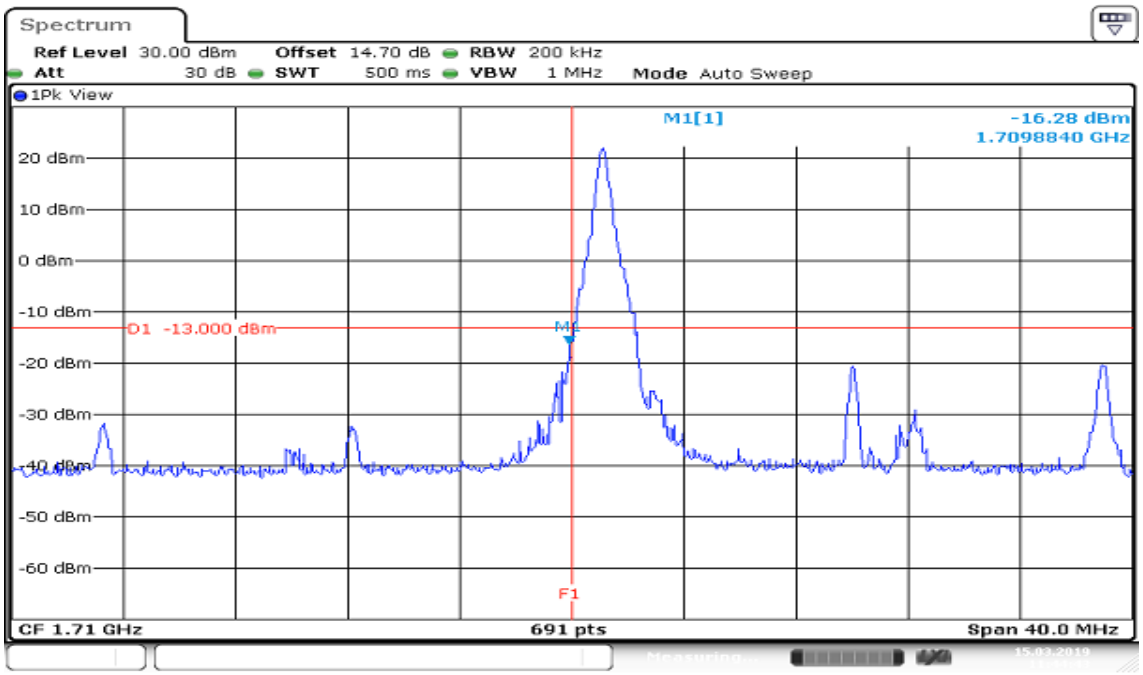
Date: 15.MAR.2019 11:33:28

HIGHER BAND EDGE



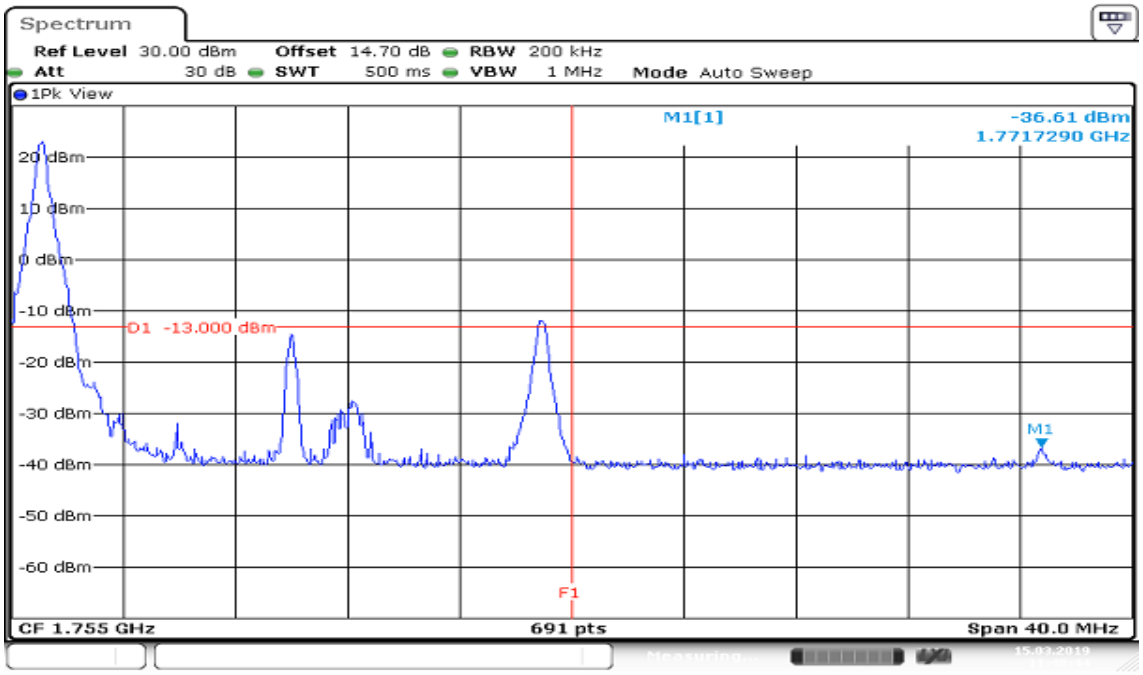
Date: 15.MAR.2019 11:35:31

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



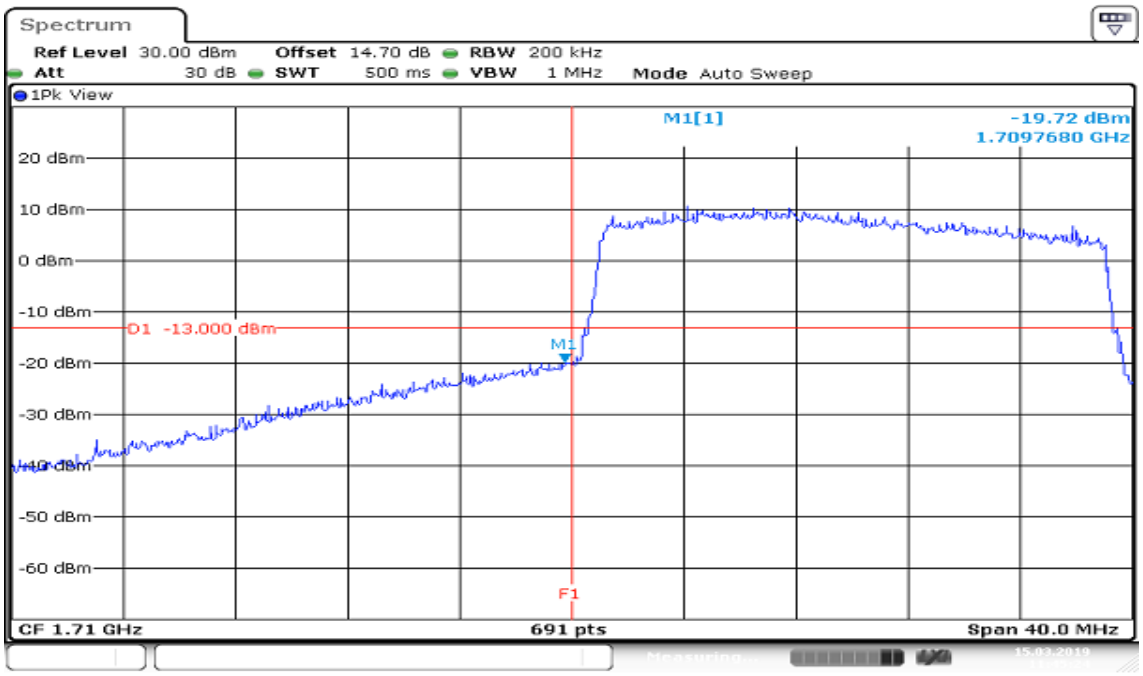
Date: 15.MAR.2019 11:44:43

HIGHER BAND EDGE



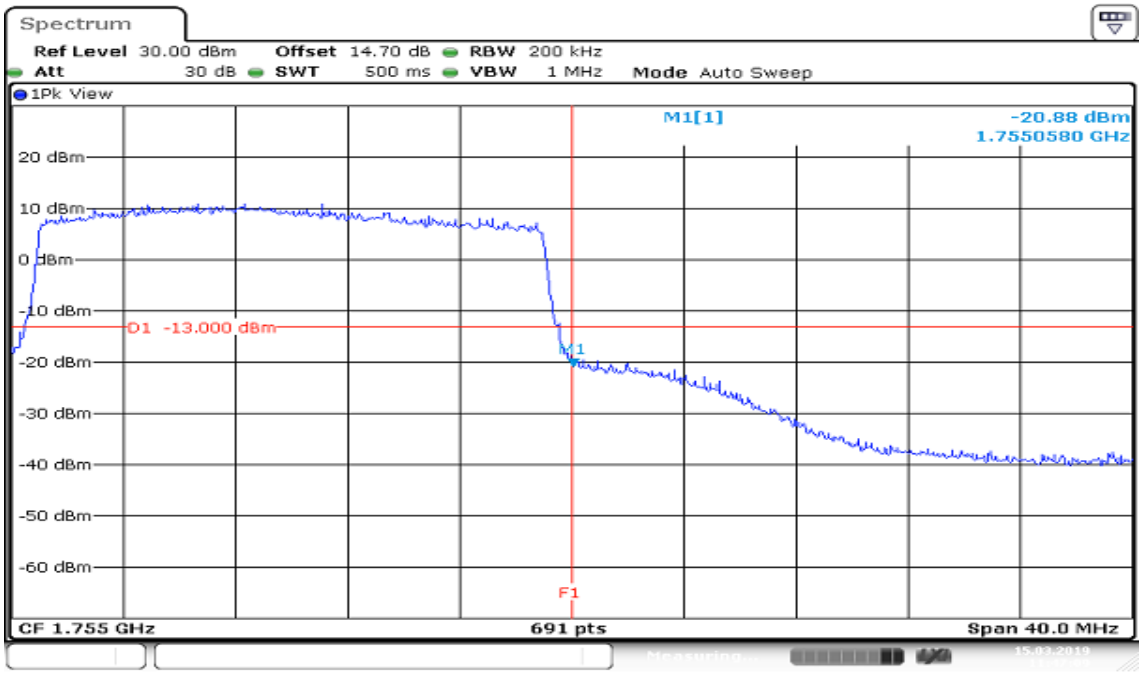
Date: 15.MAR.2019 11:48:45

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



Date: 15.MAR.2019 11:45:24

HIGHER BAND EDGE



Date: 15.MAR.2019 11:47:10

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 log10(P) dB. The limit of emission equal to –13dBm

TEST PROCEDURES

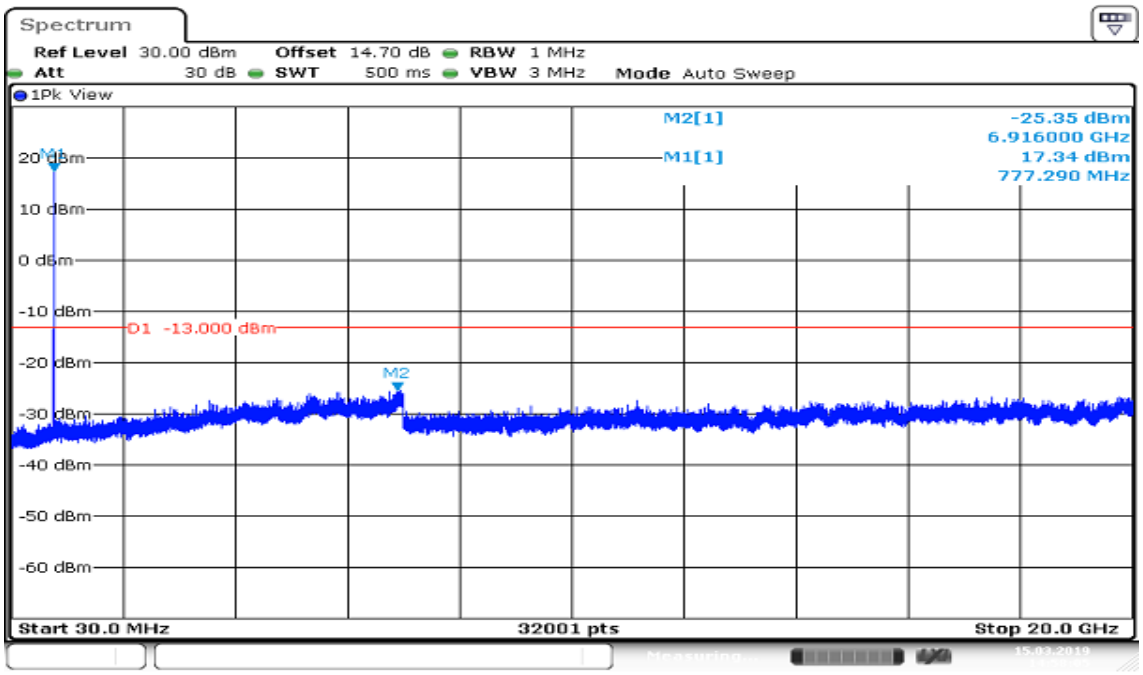
1. The EUT was set up for the maximum peak power with LTE link data modulation. The power was measured with Spectrum Analyzer. All measurements were done at 3 channels (low, middle and high operational frequency range.).
2. The conducted spurious emission used the power splitter via EUT RF power connector 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

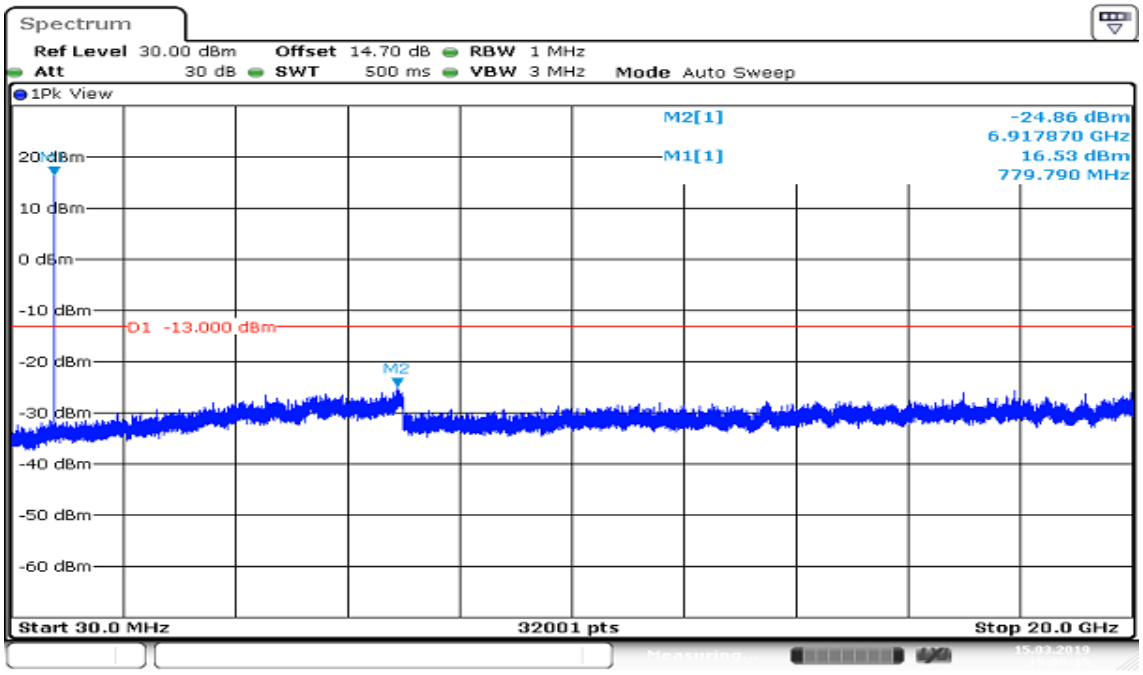
CHANNEL BANDWIDTH: 5MHz / QPSK

CH Low



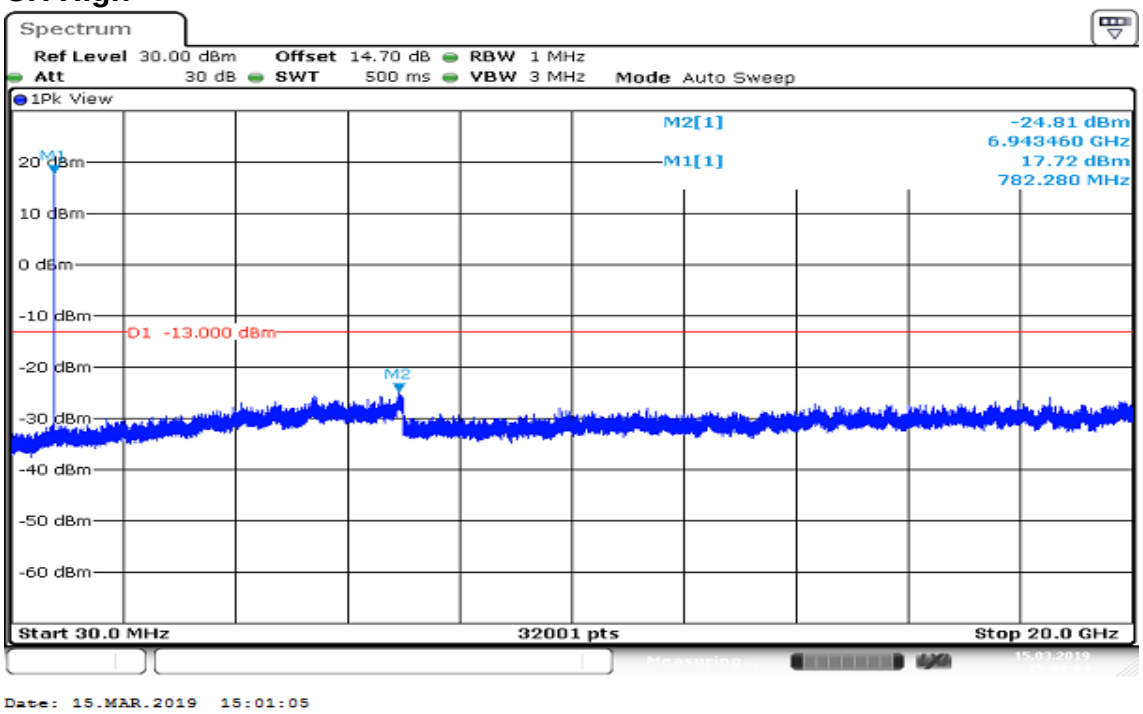
Date: 15.MAR.2019 14:58:05

CH Mid



Date: 15.MAR.2019 15:00:15

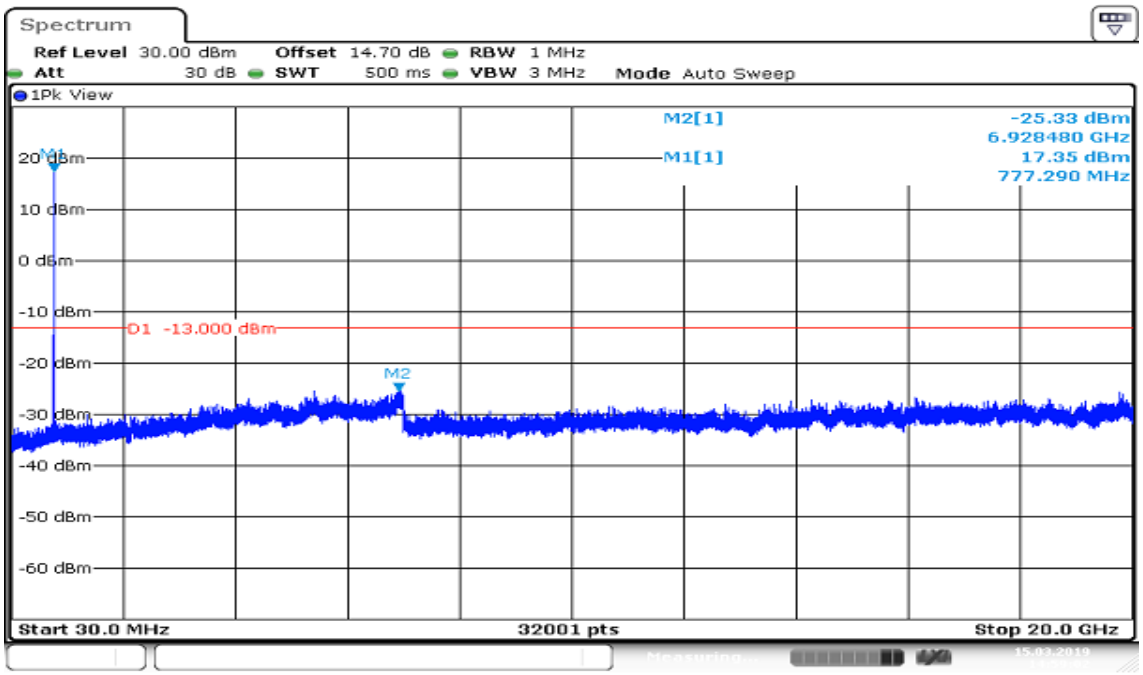
CH High



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

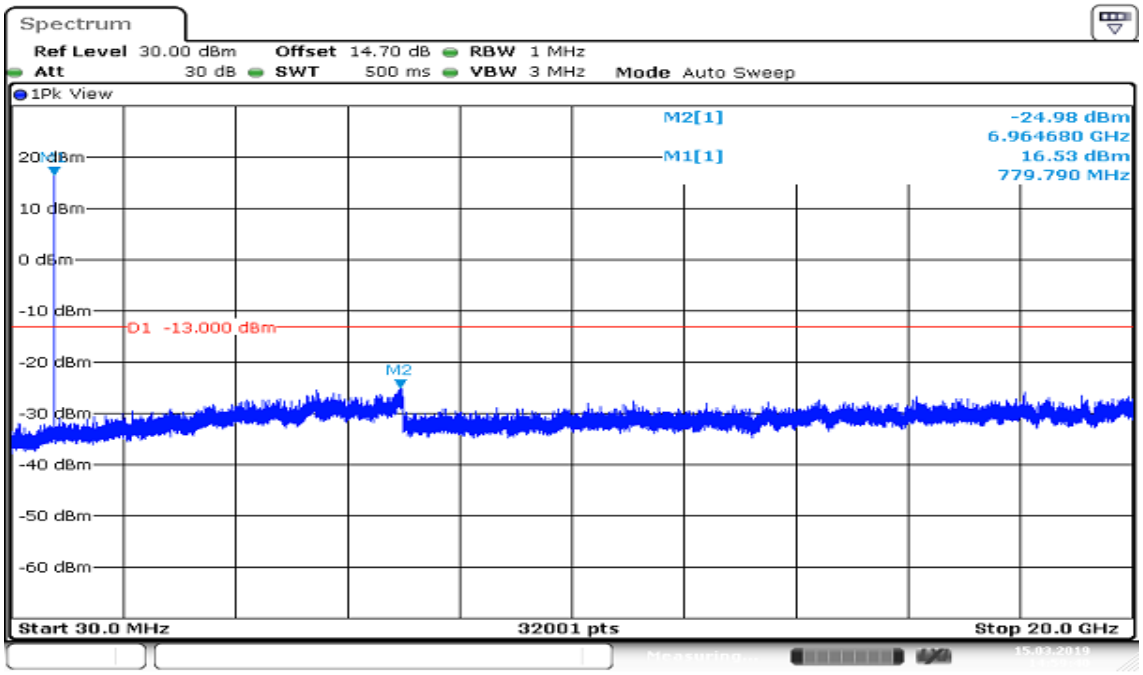
CHANNEL BANDWIDTH: 5MHz / 16QAM

CH Low



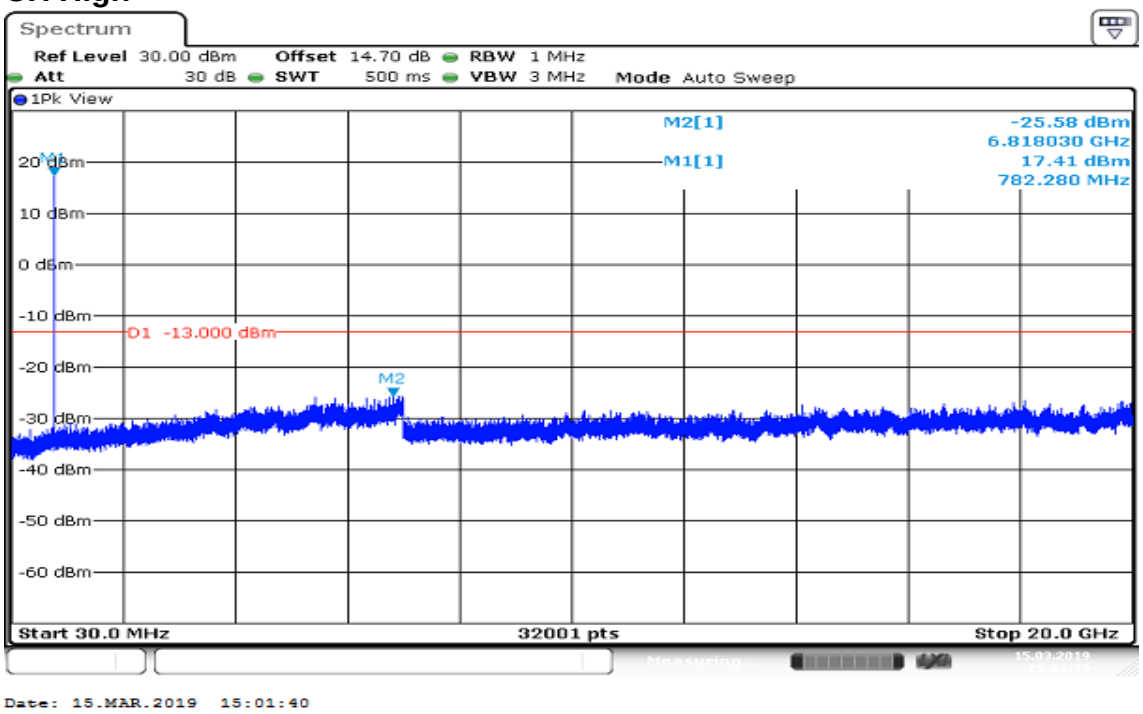
Date: 15.MAR.2019 14:59:03

CH Mid



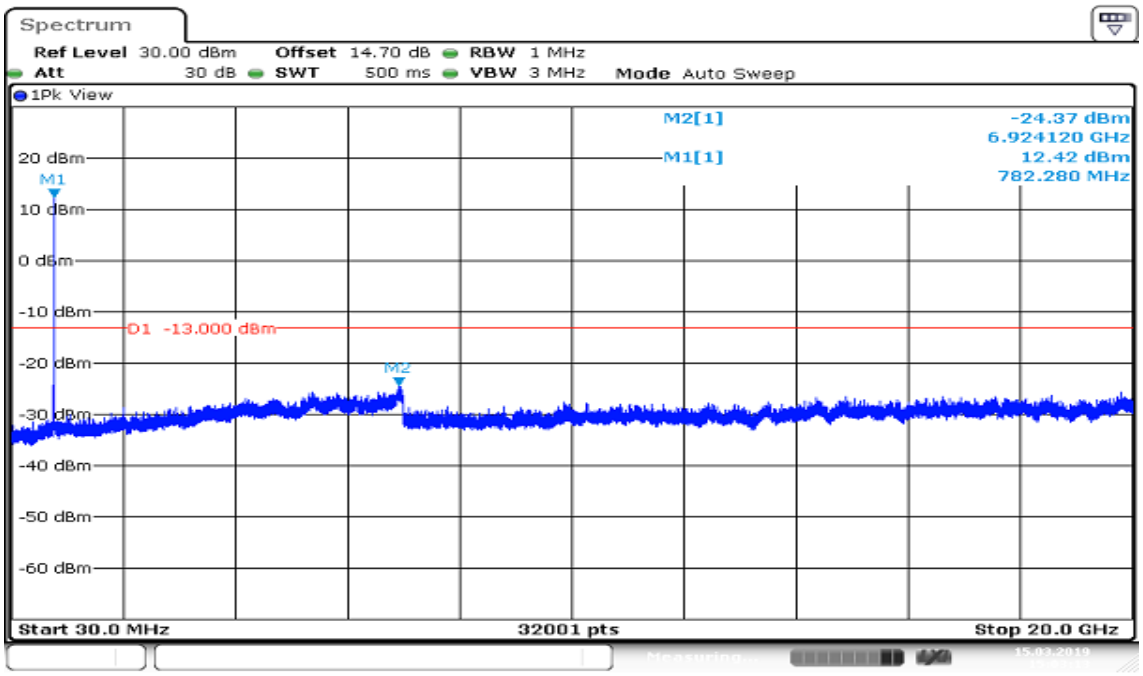
Date: 15.MAR.2019 14:59:40

CH High



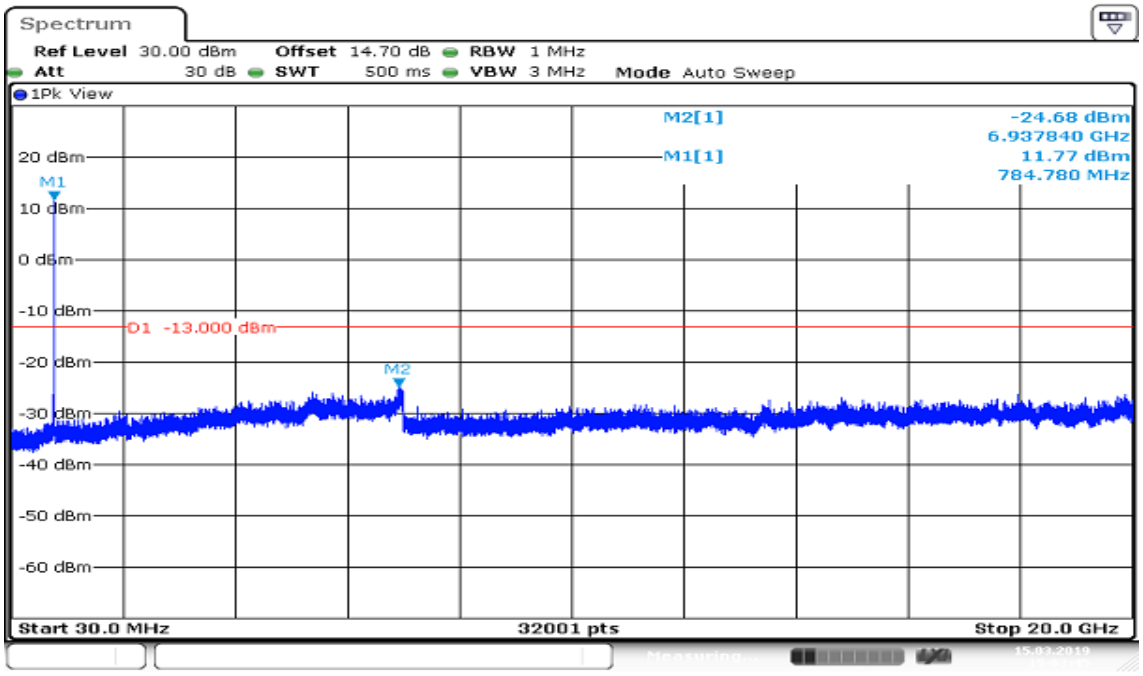
Date: 15.MAR.2019 15:01:40

CHANNEL BANDWIDTH: 10MHz / QPSK
CH Mid



Date: 15.MAR.2019 15:03:14

CHANNEL BANDWIDTH: 10MHz / 16QAM
CH Mid

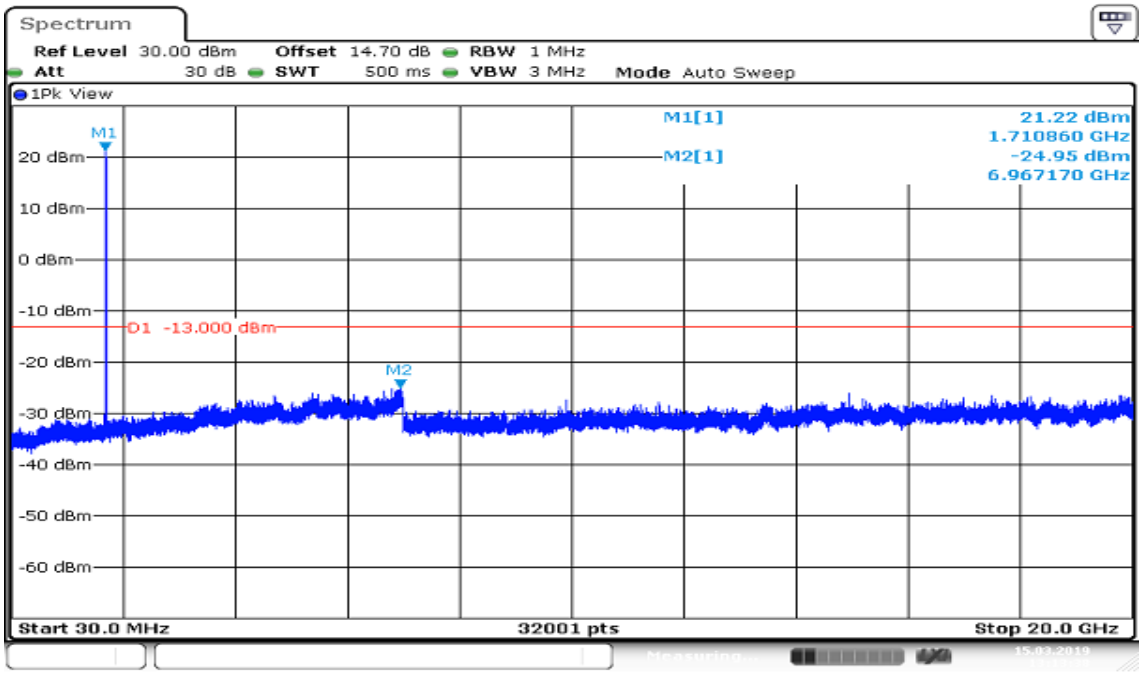


Date: 15.MAR.2019 15:03:45

LTE Band 4

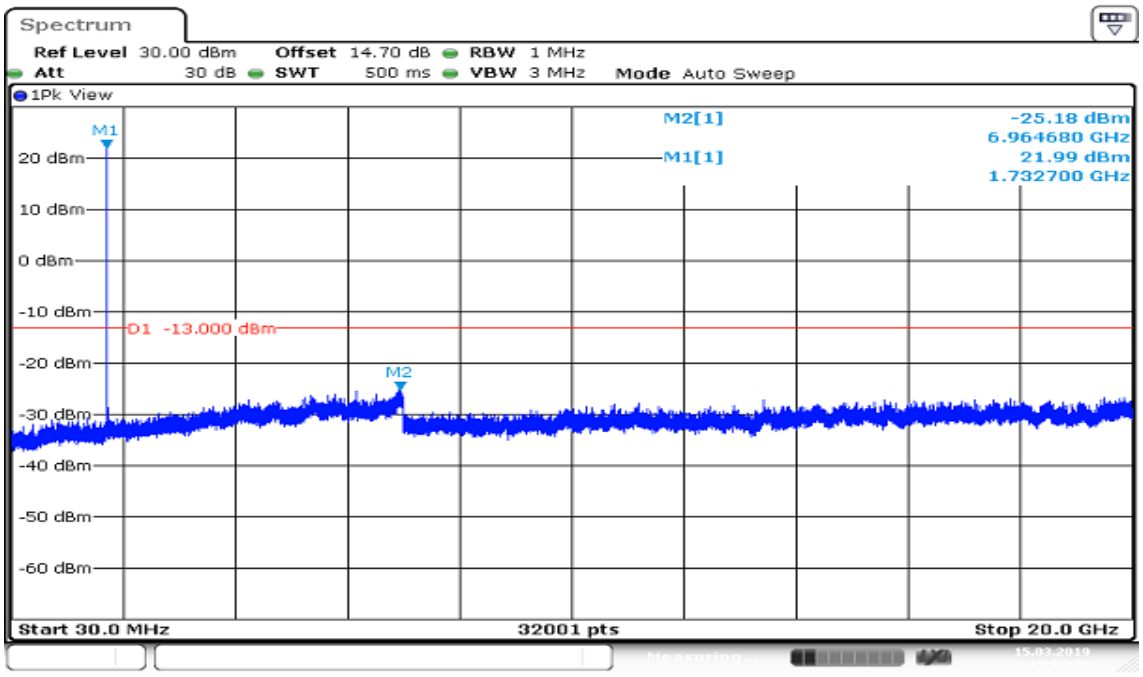
CHANNEL BANDWIDTH: 1.4MHz / QPSK

CH Low



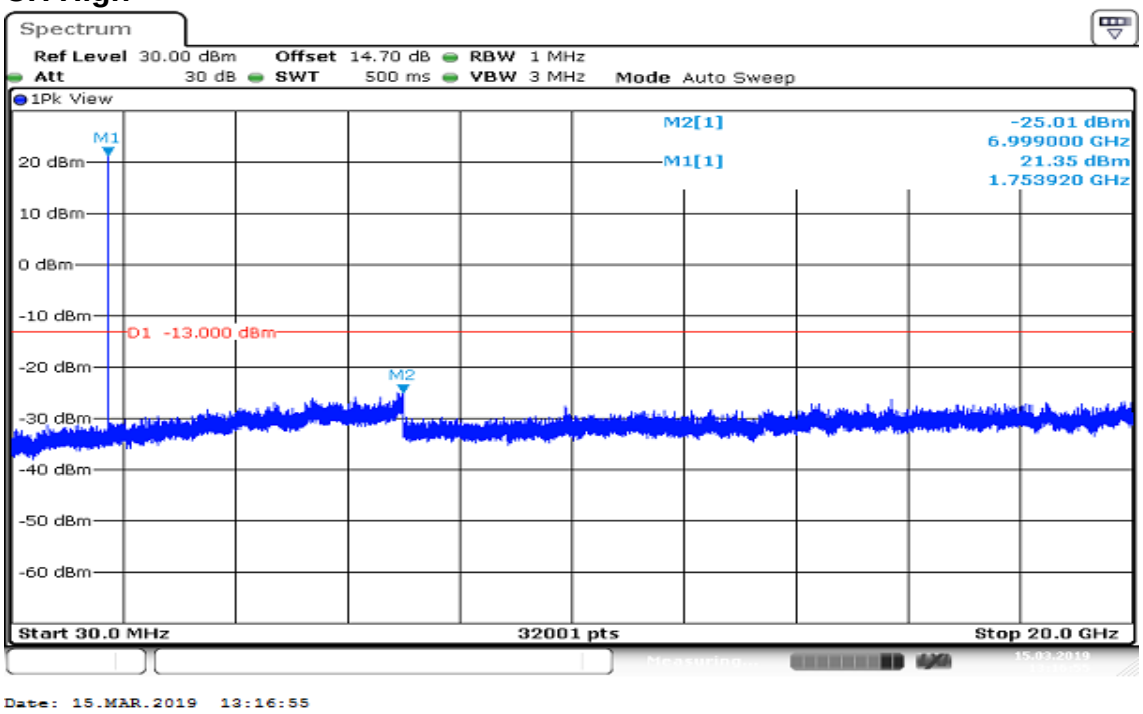
Date: 15.MAR.2019 13:13:39

CH Mid



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

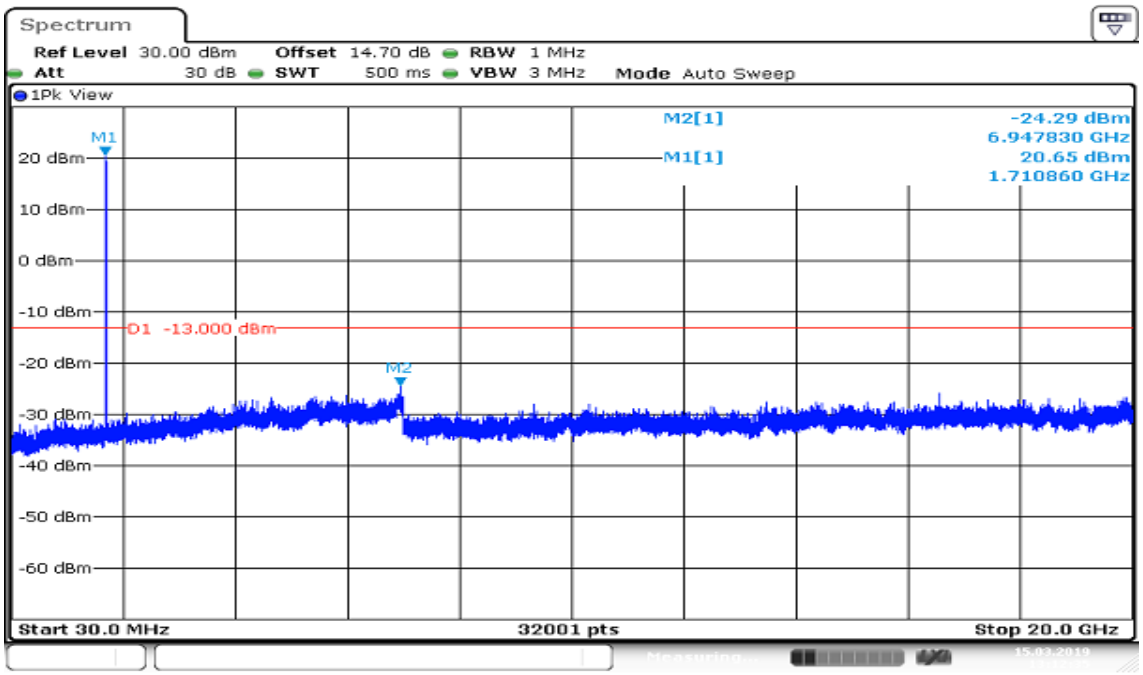
CH High



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

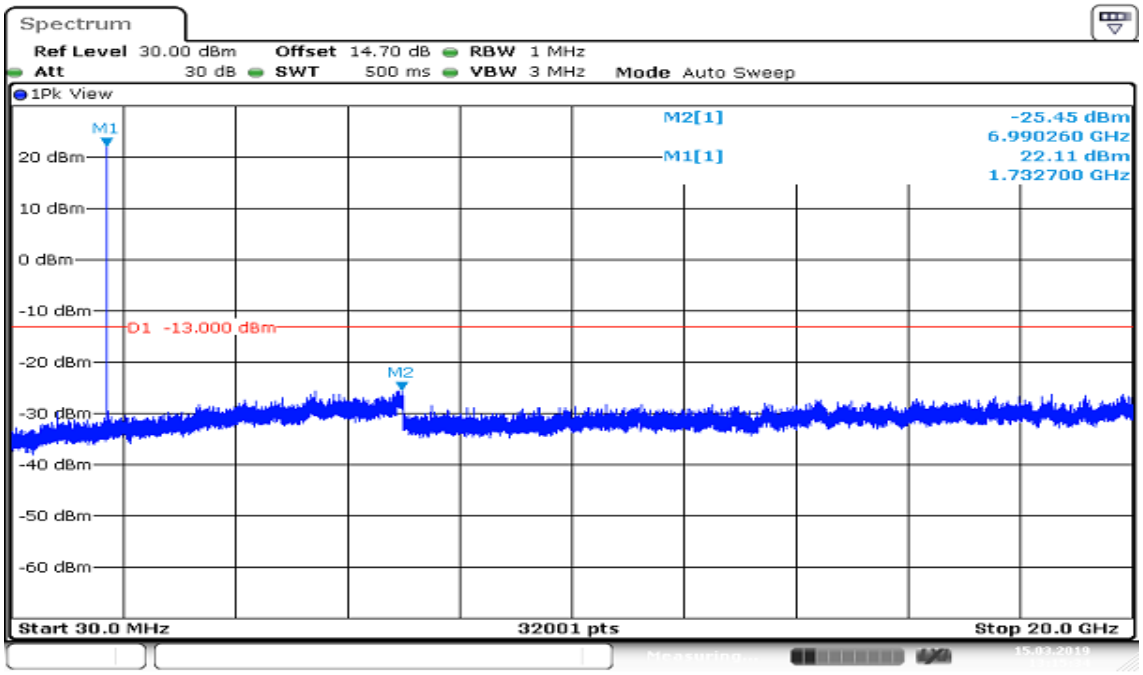
CHANNEL BANDWIDTH: 1.4MHz / 16QAM

CH Low



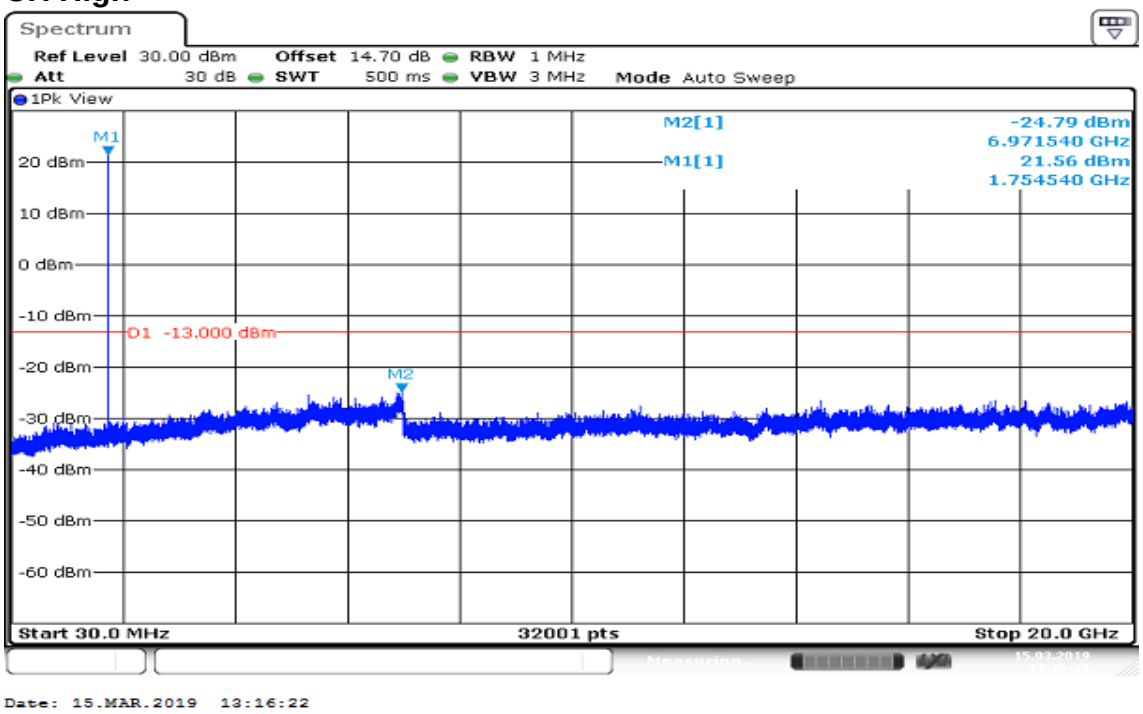
Date: 15.MAR.2019 13:12:36

CH Mid



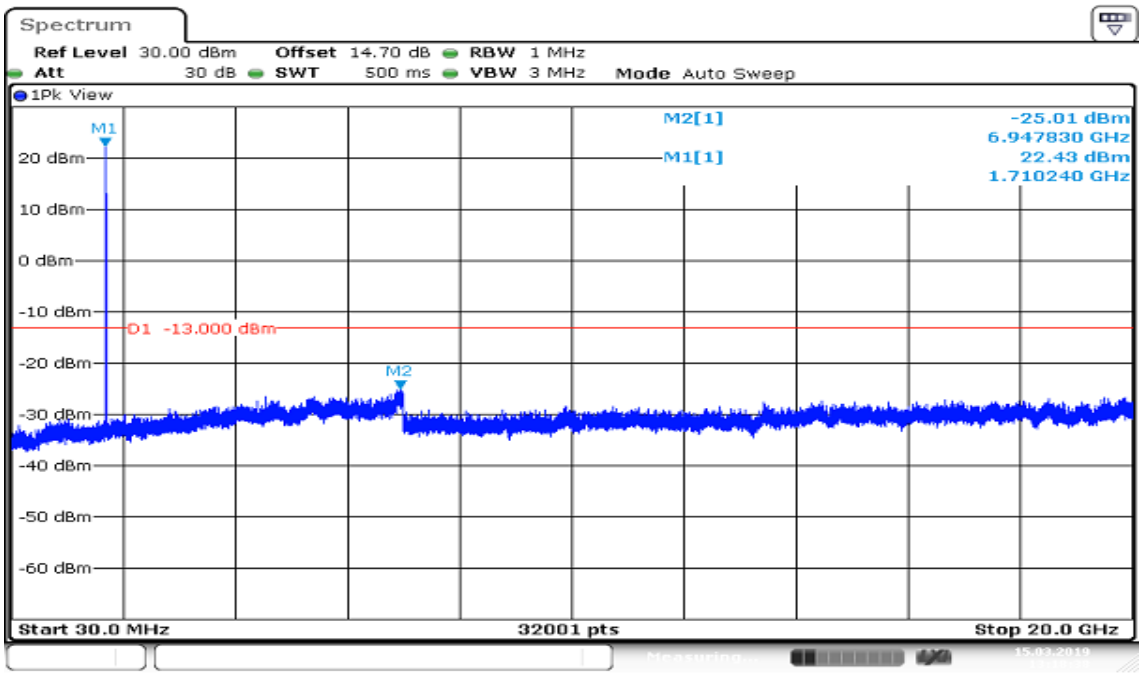
Date: 15.MAR.2019 13:15:34

CH High



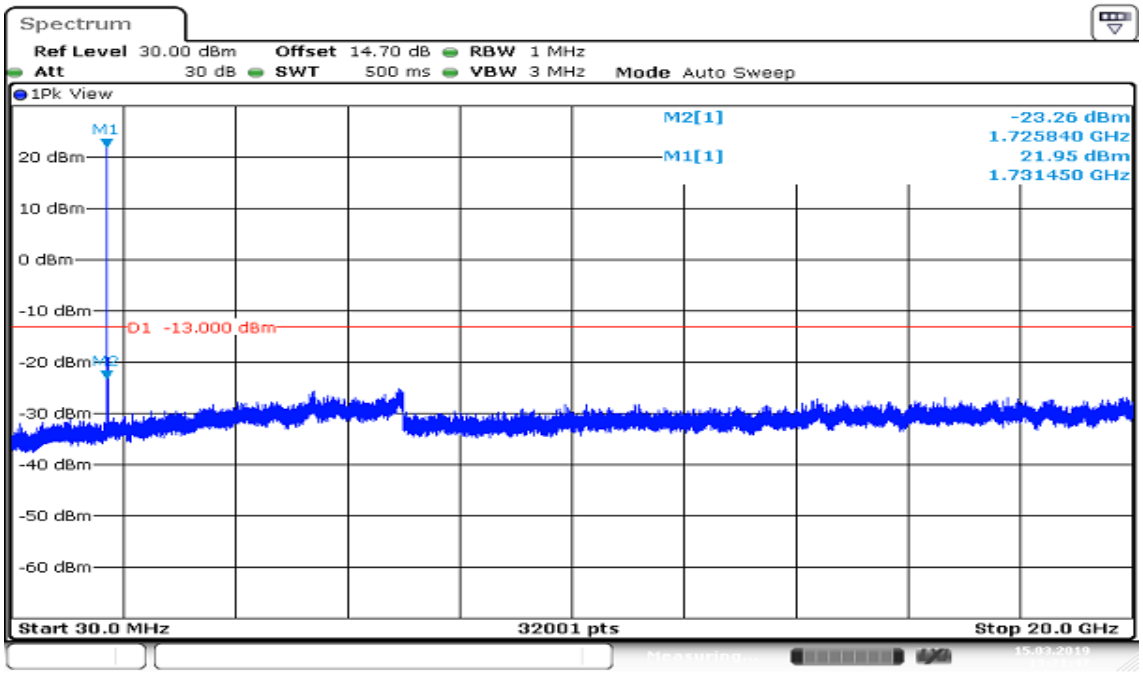
CHANNEL BANDWIDTH: 3MHz / QPSK

CH Low



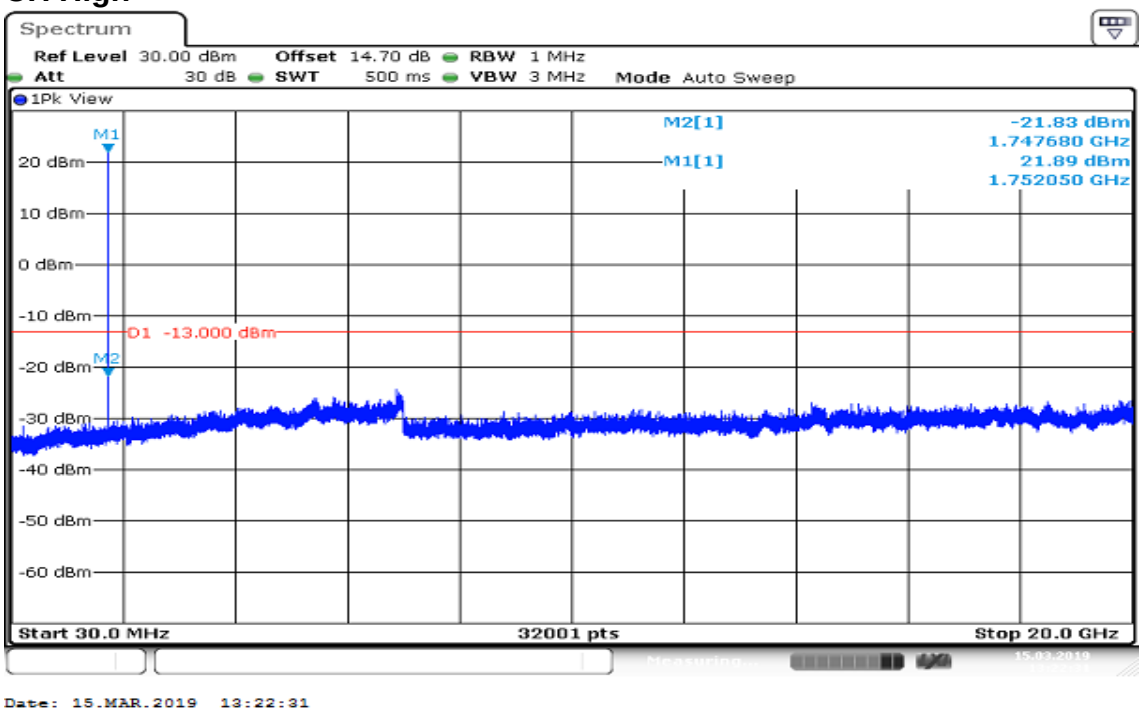
Date: 15.MAR.2019 13:18:39

CH Mid



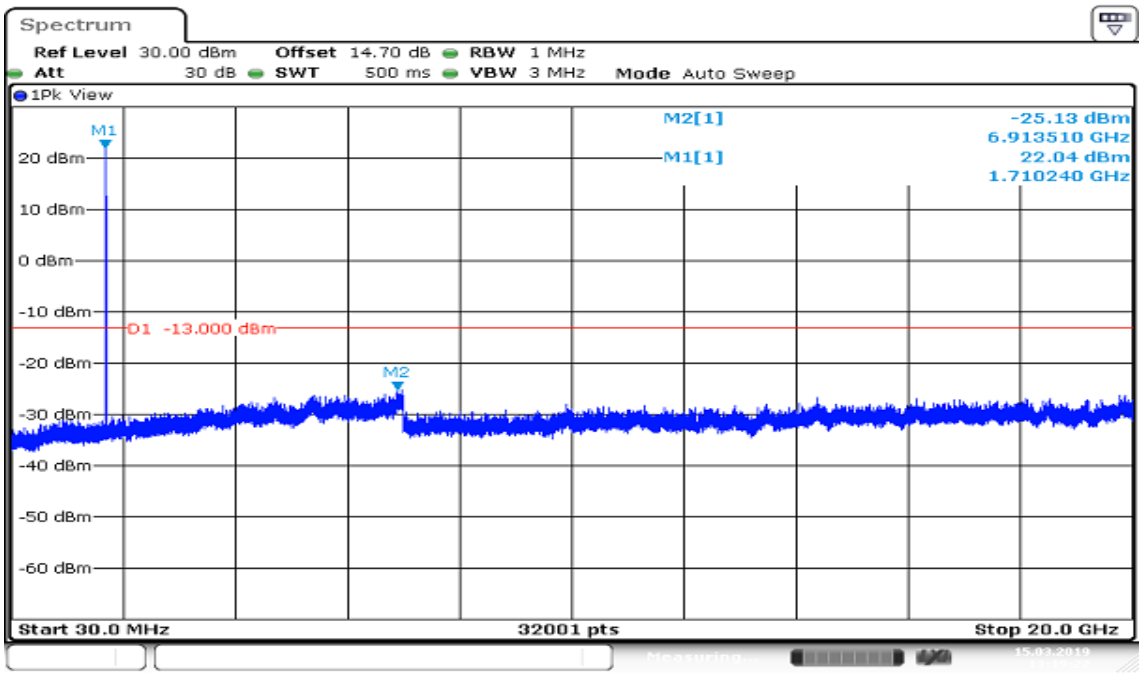
Date: 15.MAR.2019 13:21:48

CH High



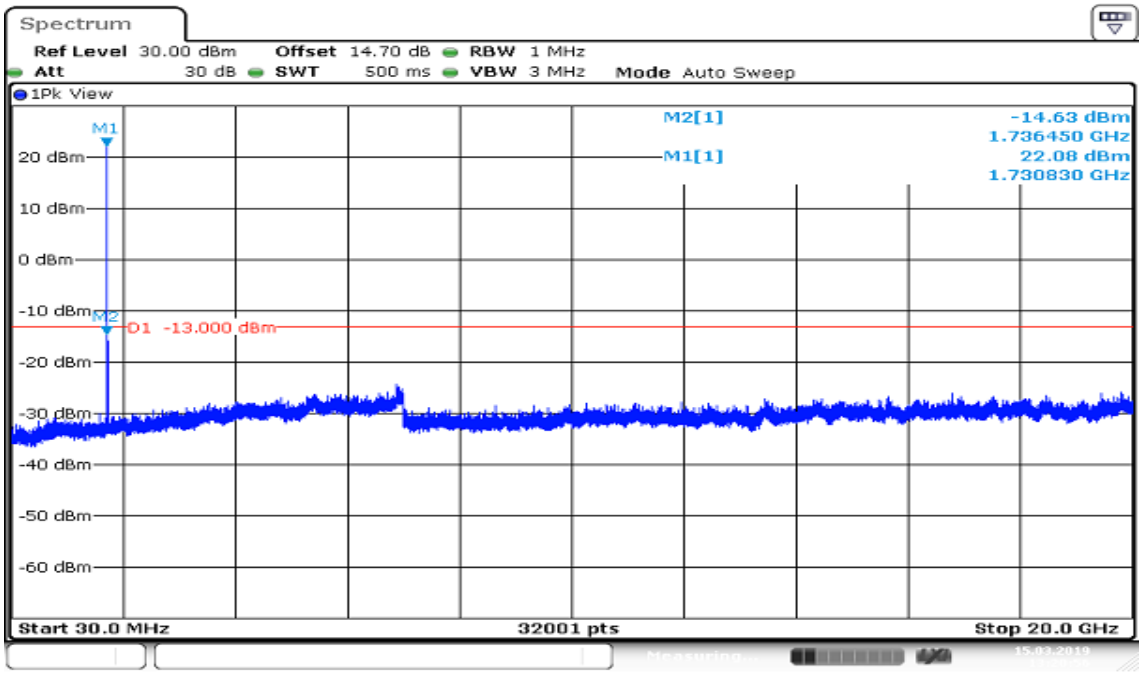
CHANNEL BANDWIDTH: 3MHz / 16QAM

CH Low



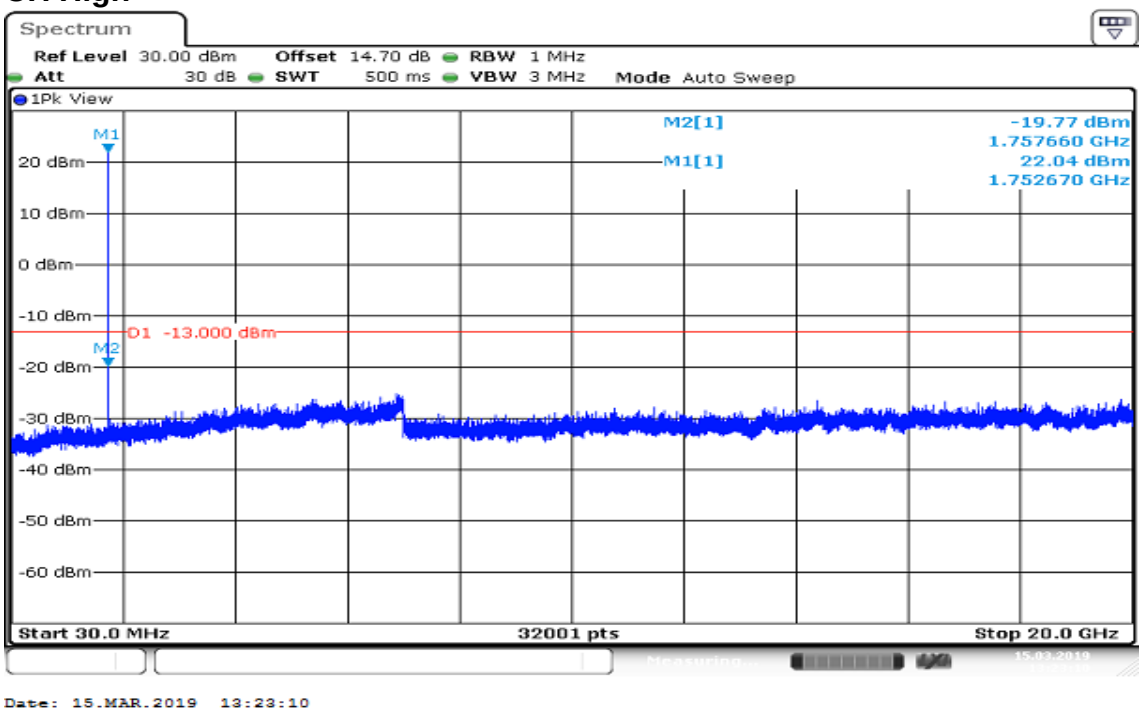
Date: 15.MAR.2019 13:19:22

CH Mid



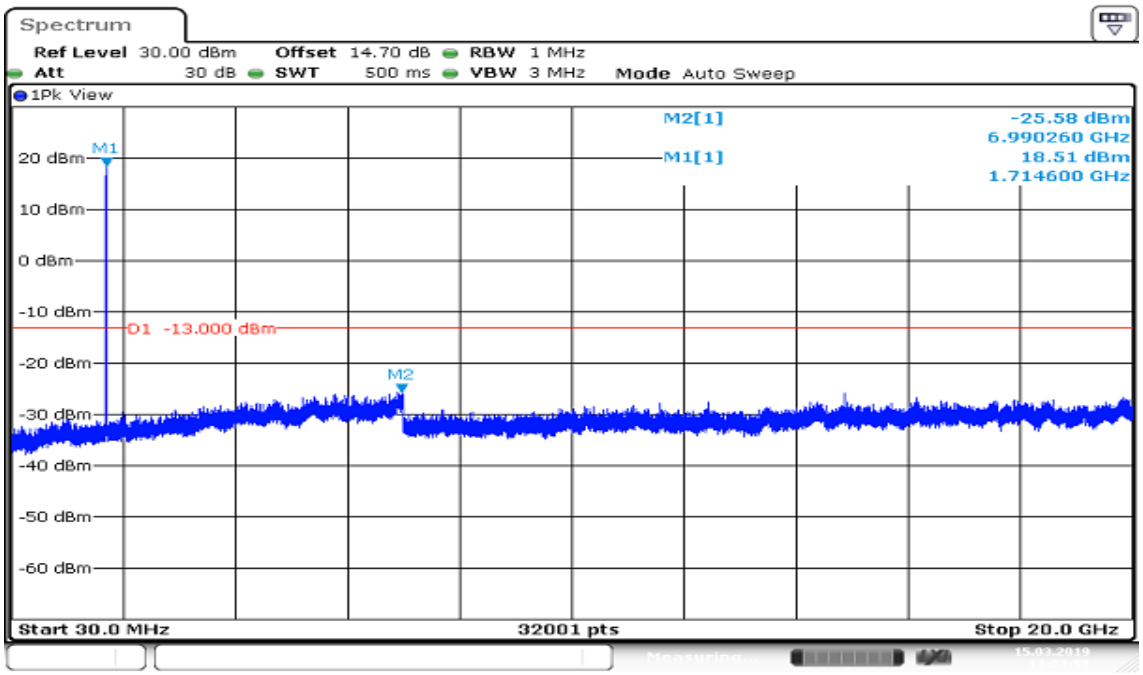
Date: 15.MAR.2019 13:20:57

CH High



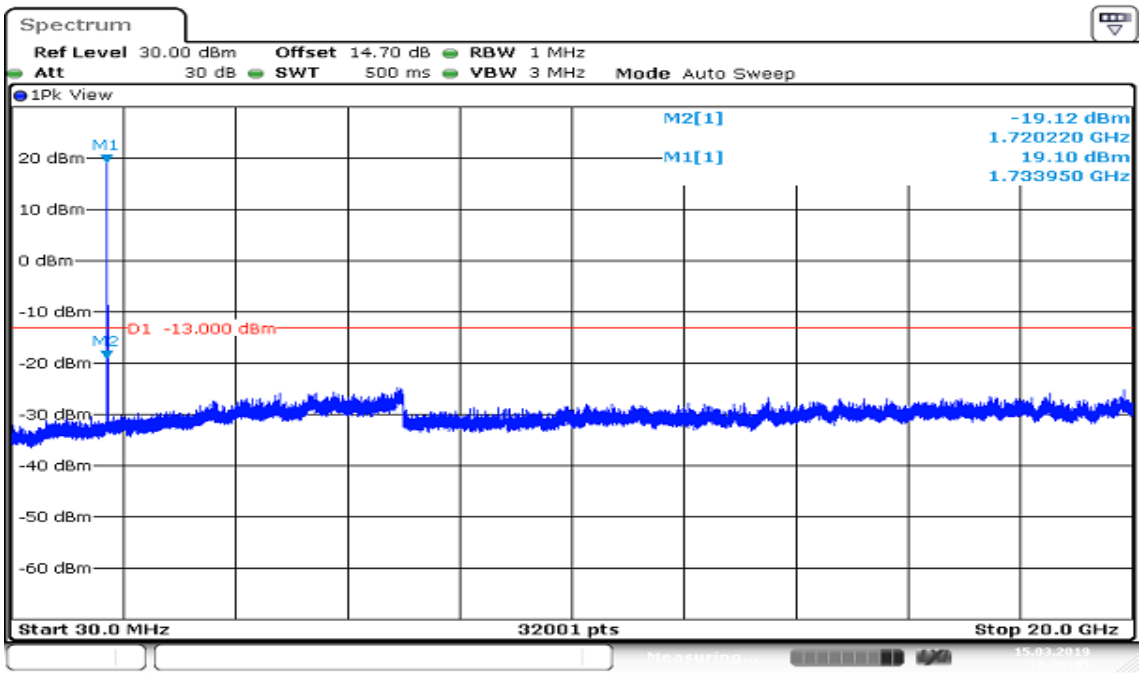
CHANNEL BANDWIDTH: 5MHz / QPSK

CH Low



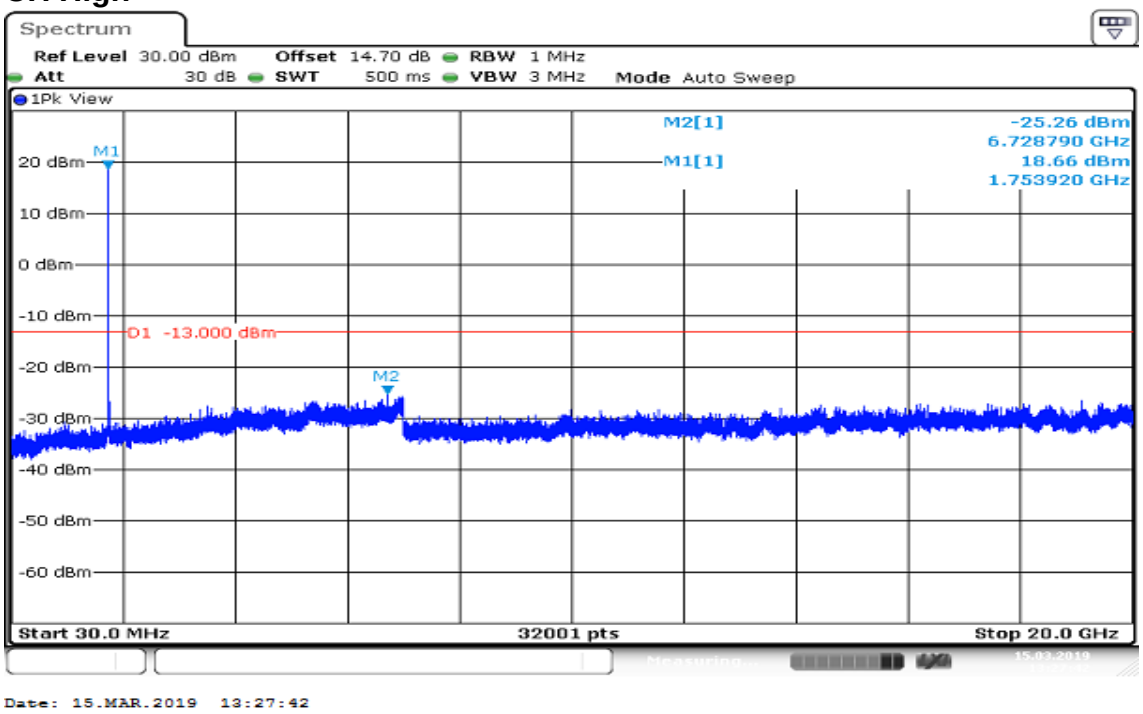
Date: 15.MAR.2019 13:23:59

CH Mid



Date: 15.MAR.2019 13:26:46

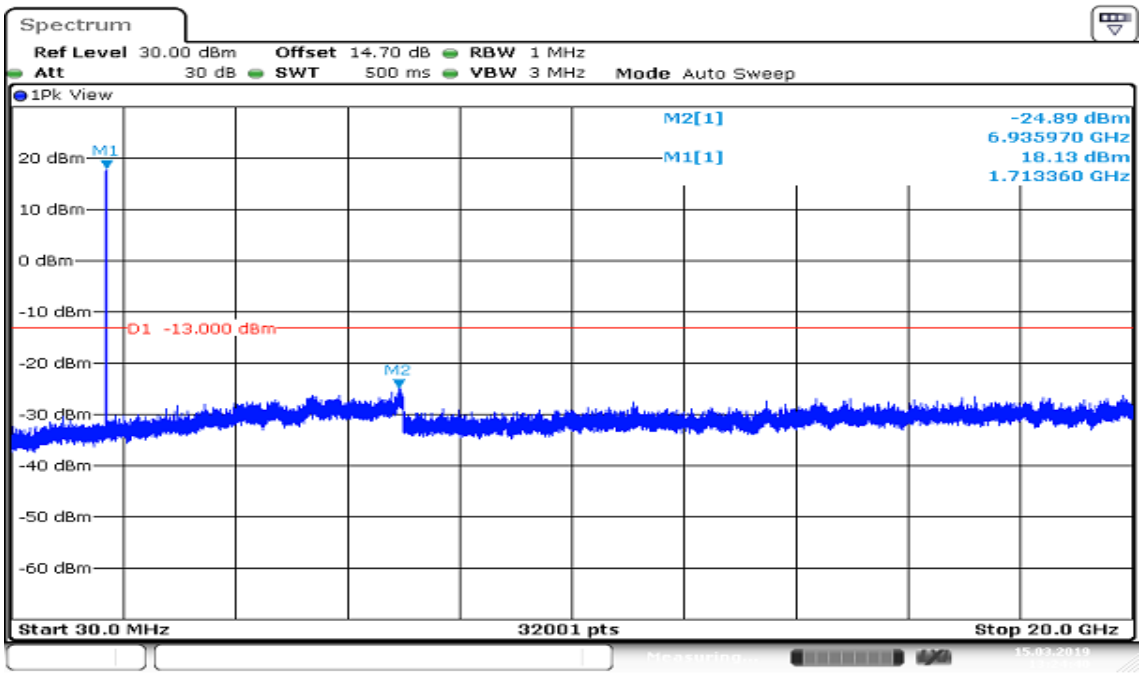
CH High



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

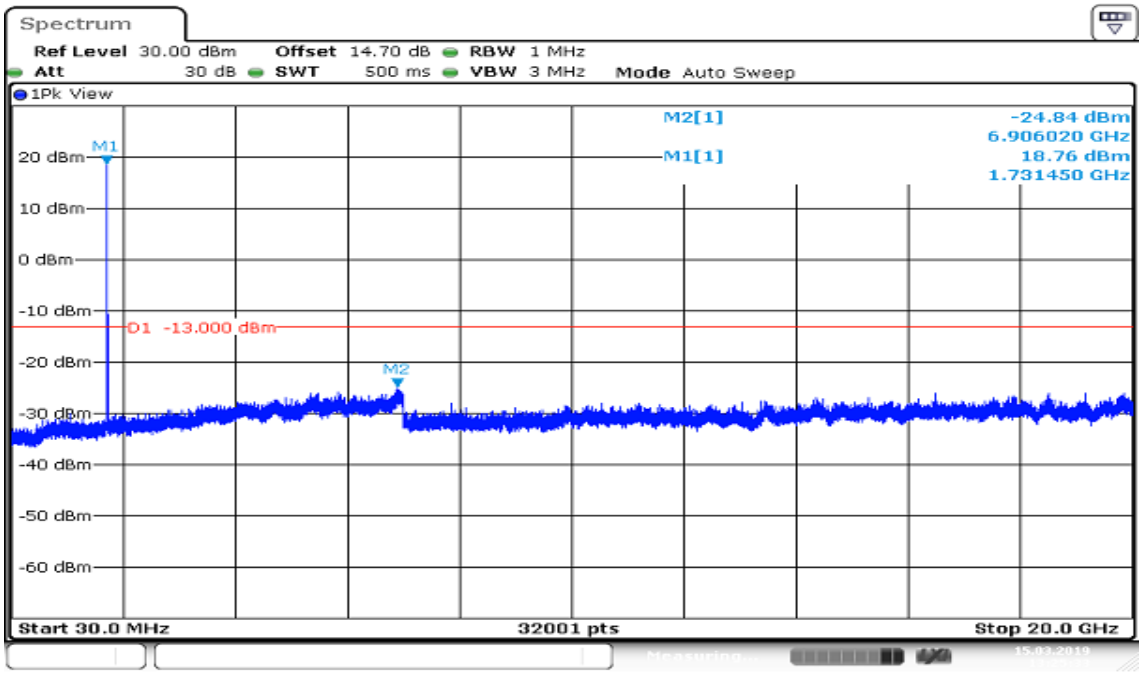
CHANNEL BANDWIDTH: 5MHz / 16QAM

CH Low



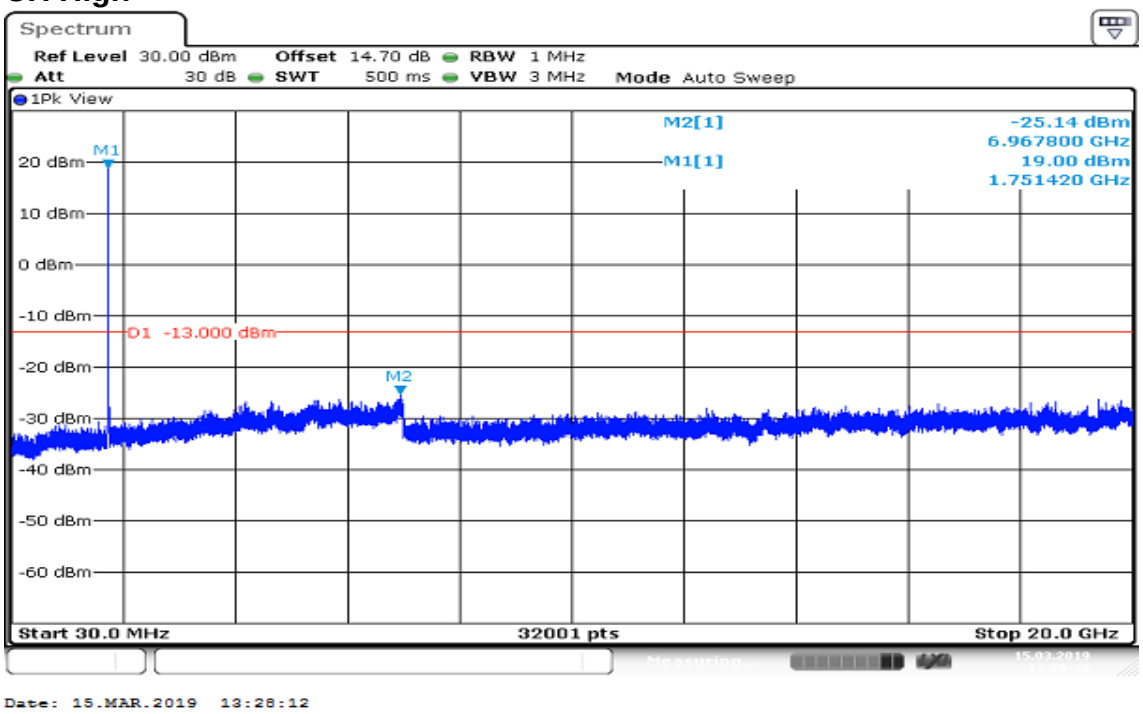
Date: 15.MAR.2019 13:24:40

CH Mid



Date: 15.MAR.2019 13:25:34

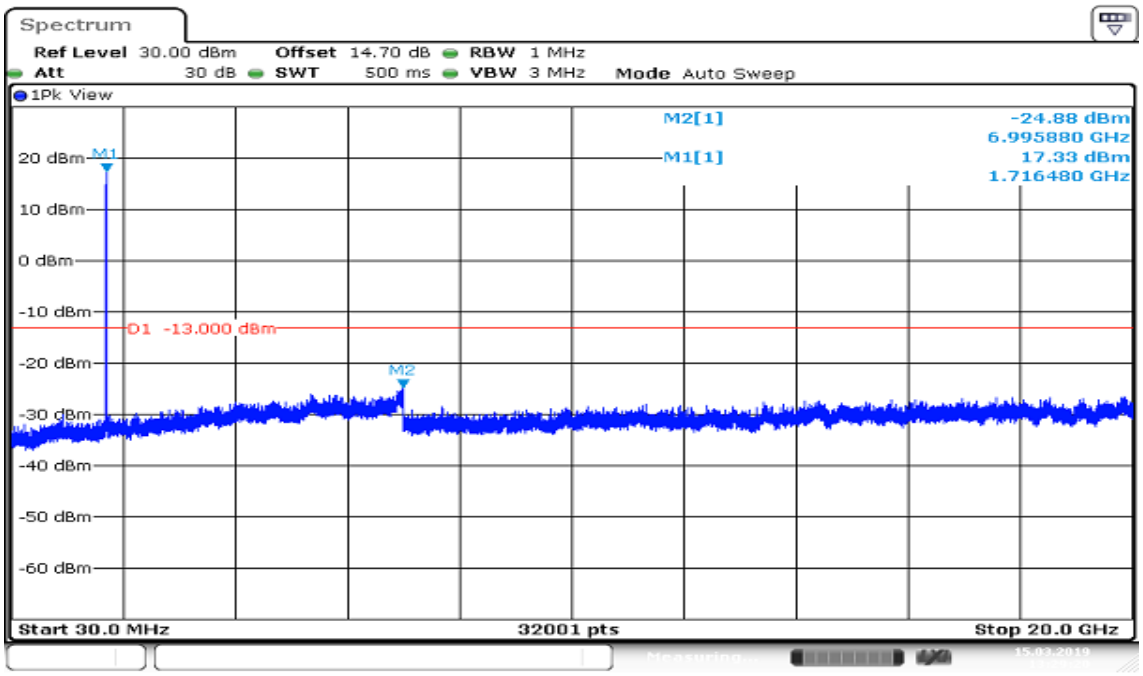
CH High



Date: 15.MAR.2019 13:28:12

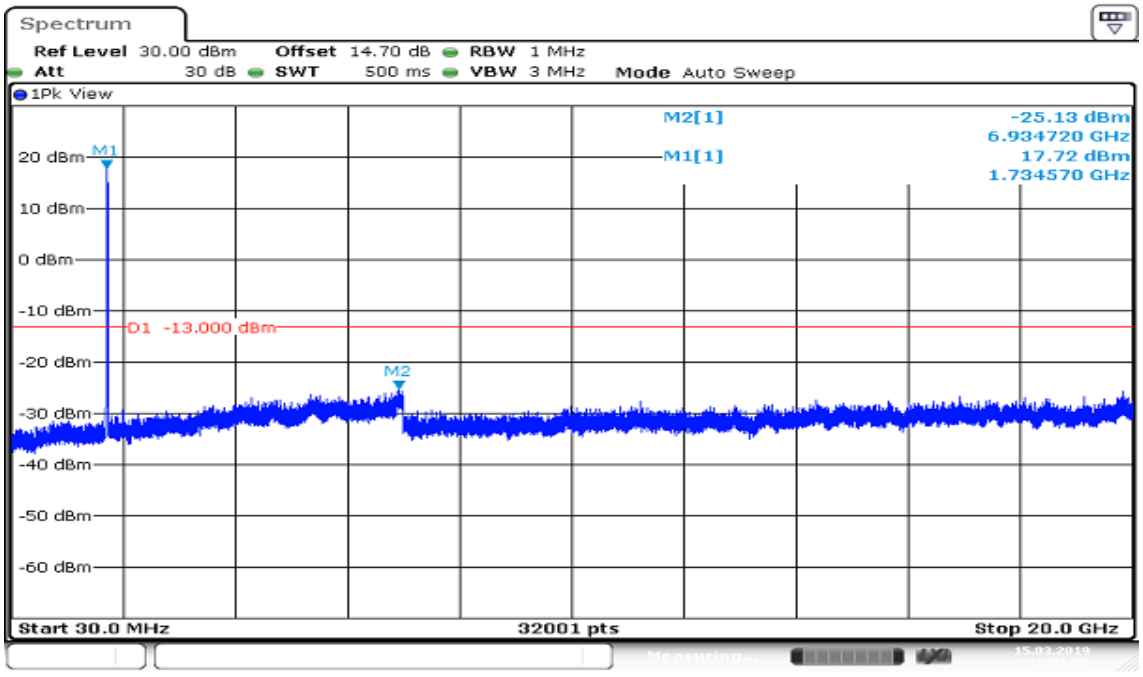
CHANNEL BANDWIDTH: 10MHz / QPSK

CH Low



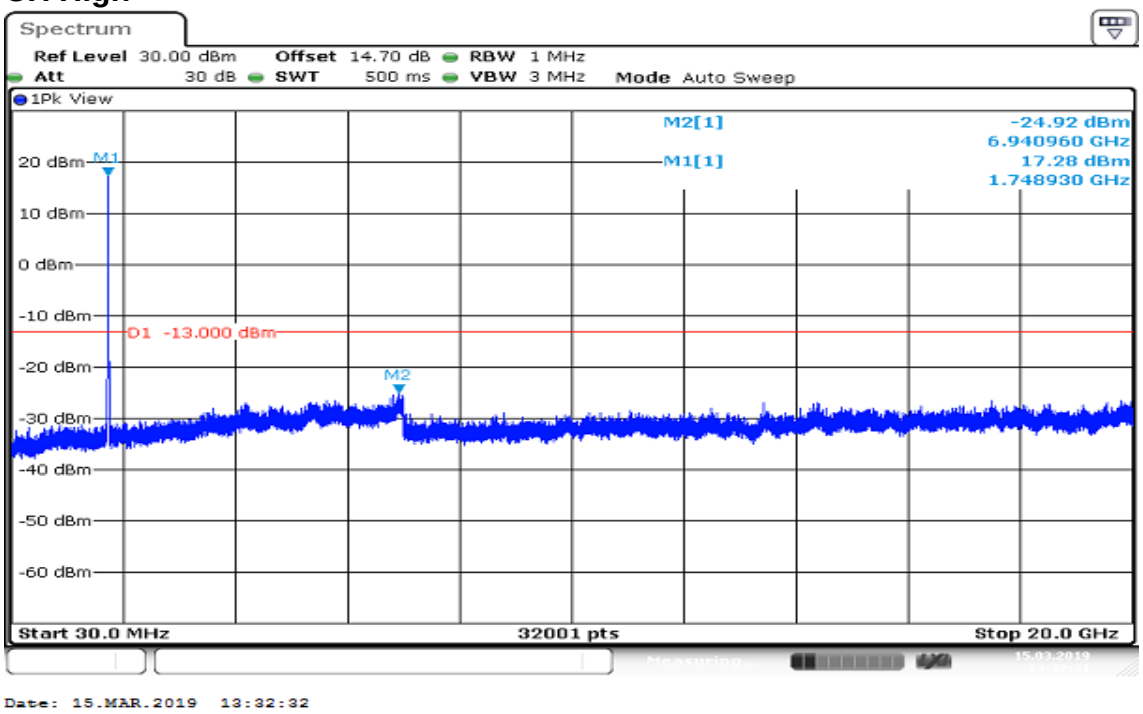
Date: 15.MAR.2019 13:29:21

CH Mid



Date: 15.MAR.2019 13:31:30

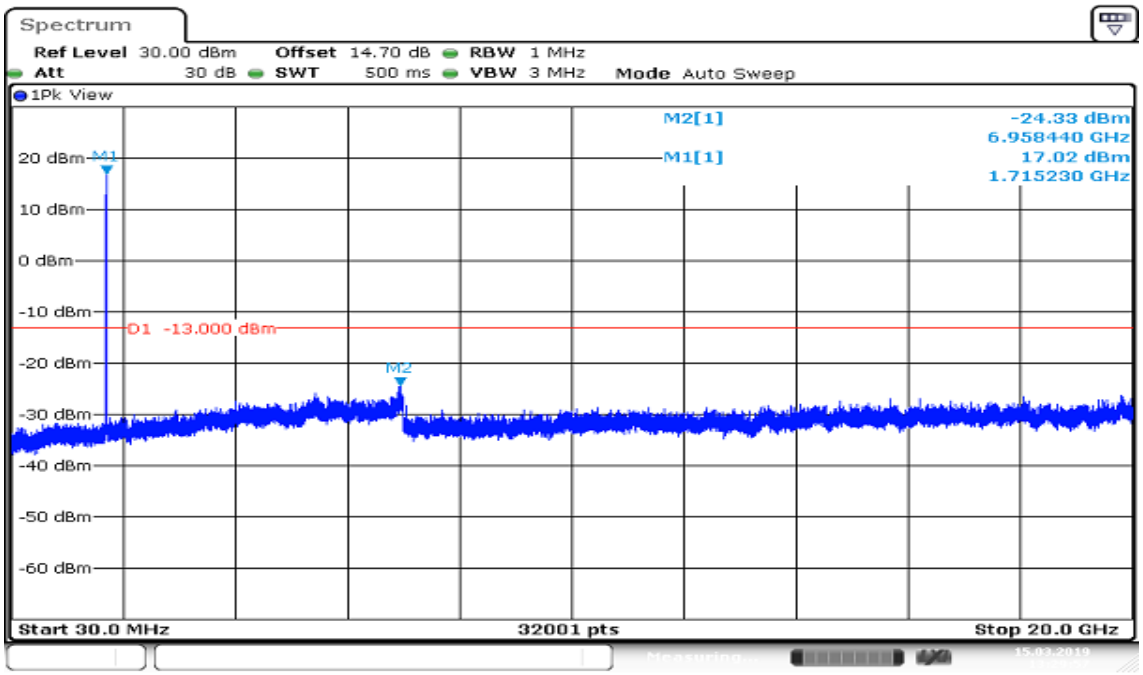
CH High



Date: 15.MAR.2019 13:32:32

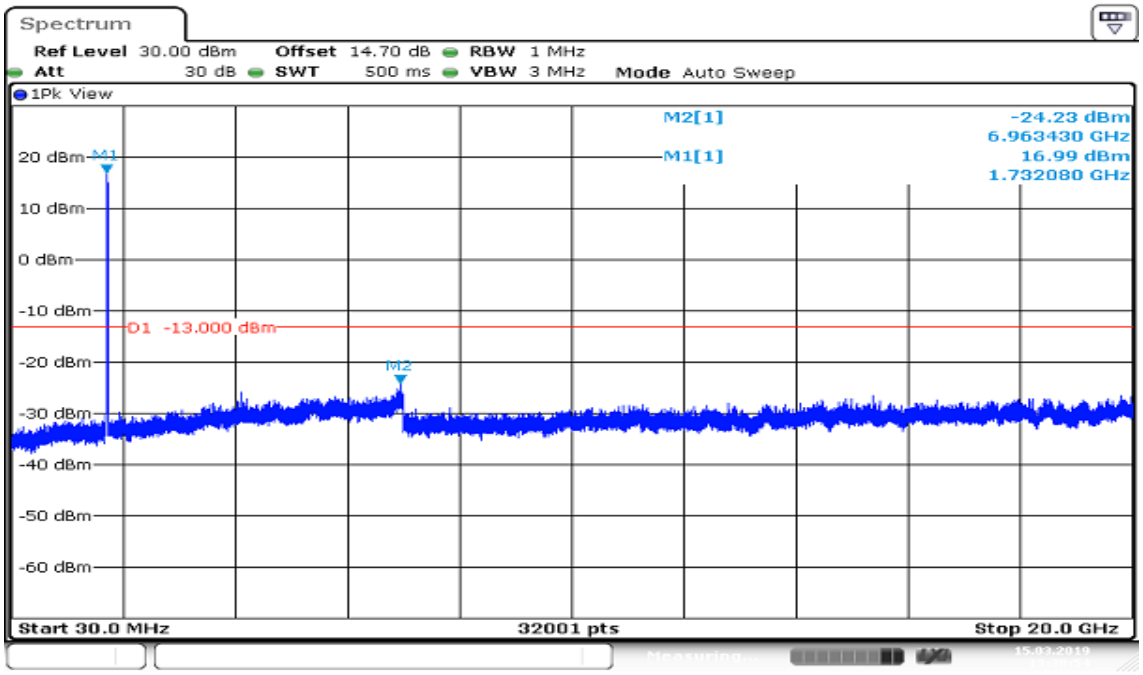
CHANNEL BANDWIDTH: 10MHz / 16QAM

CH Low



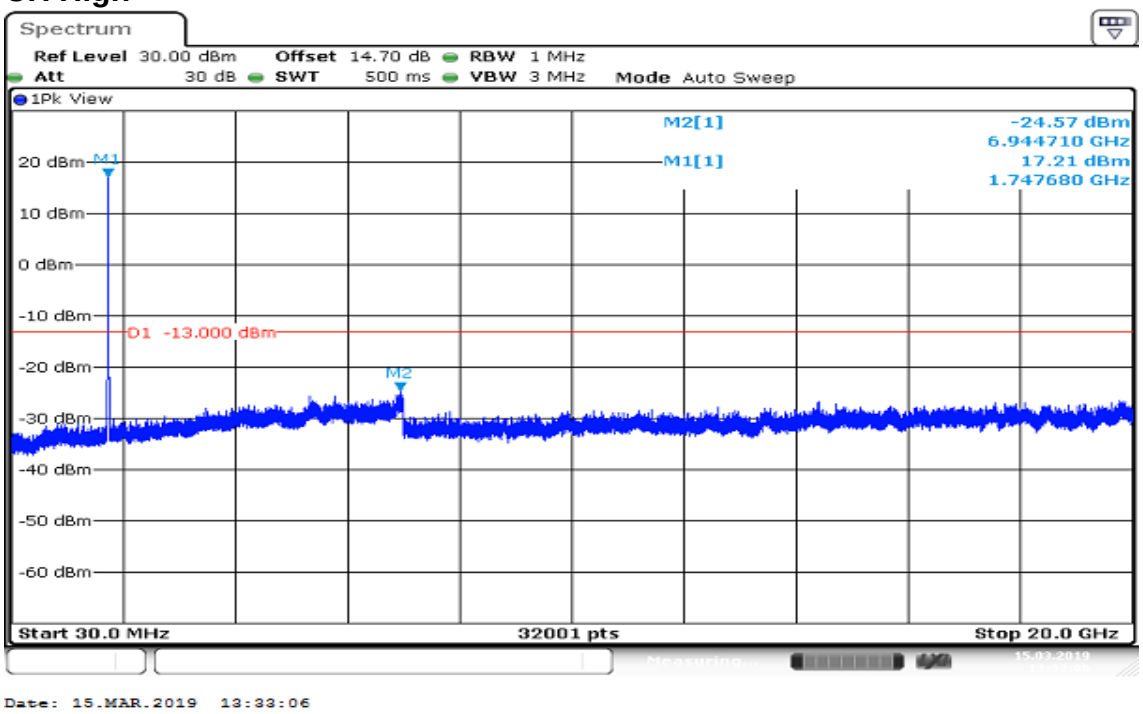
Date: 15.MAR.2019 13:29:57

CH Mid



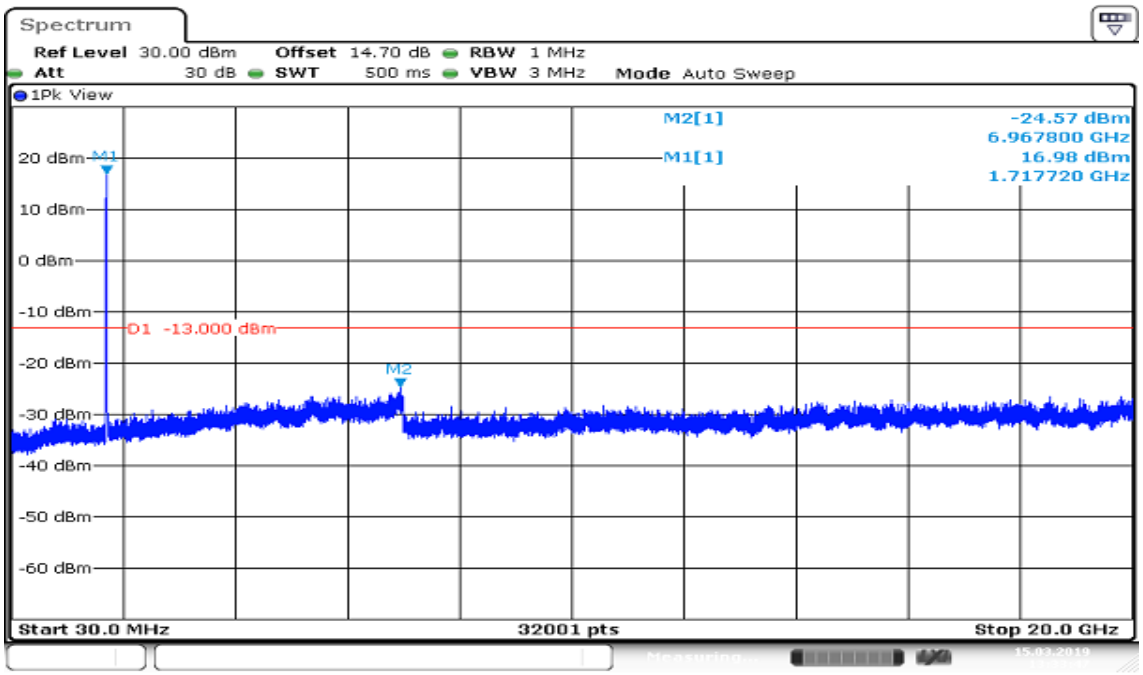
Date: 15.MAR.2019 13:30:54

CH High



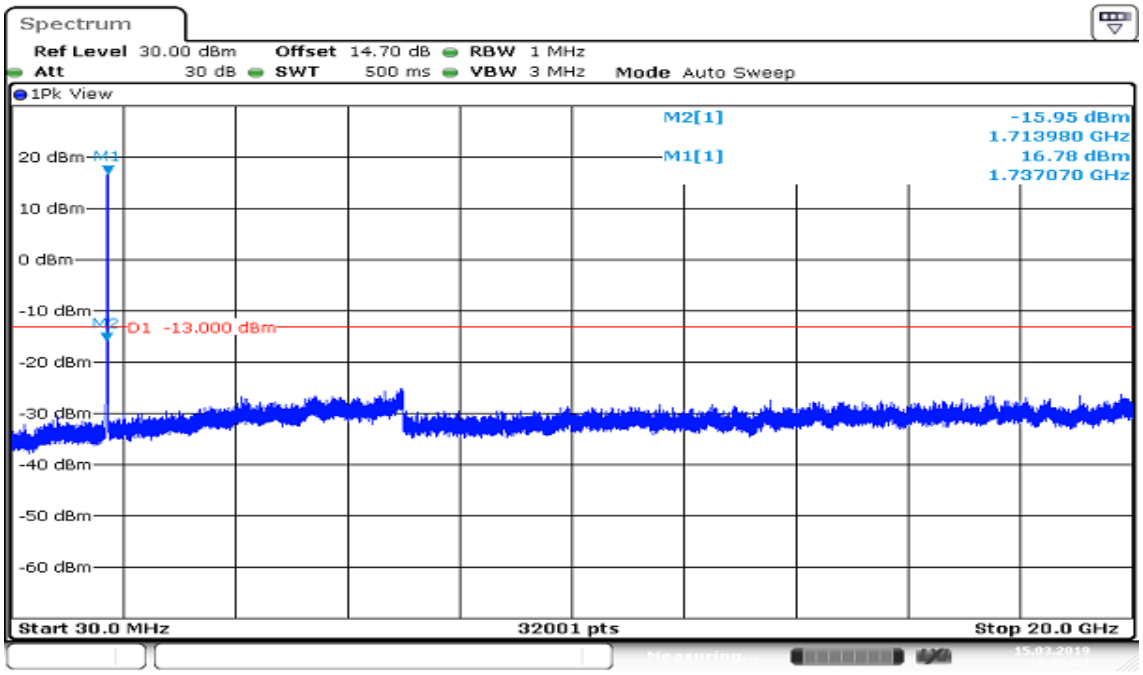
CHANNEL BANDWIDTH: 15MHz / QPSK

CH Low



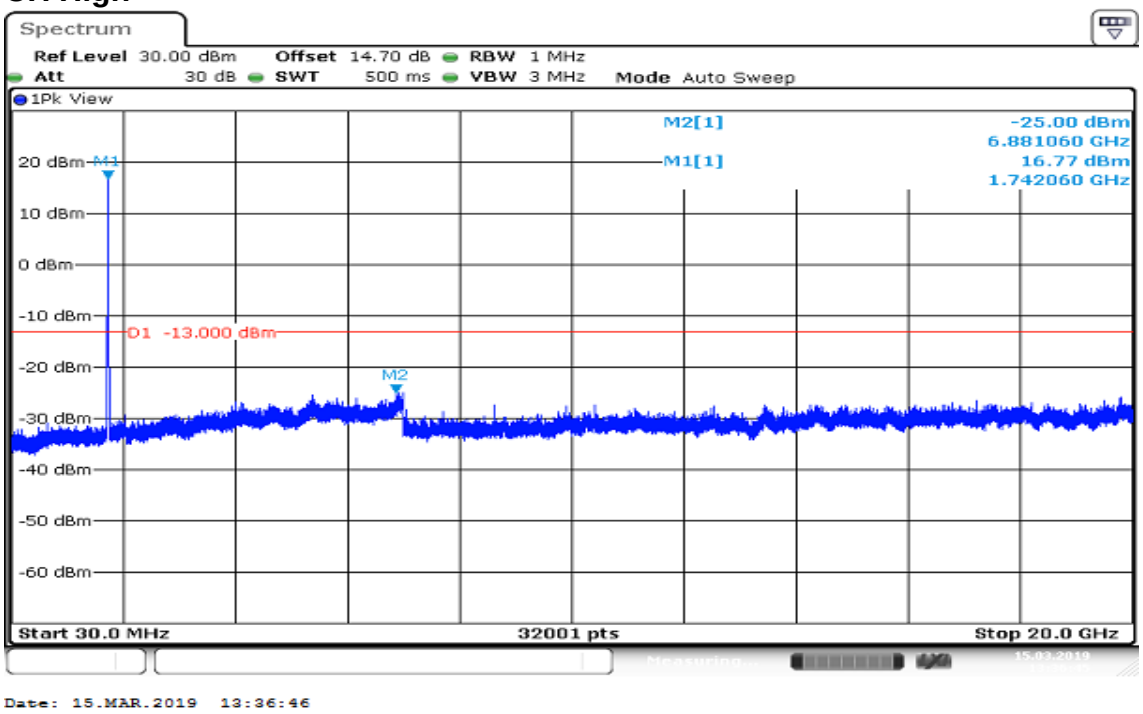
Date: 15.MAR.2019 13:33:48

CH Mid



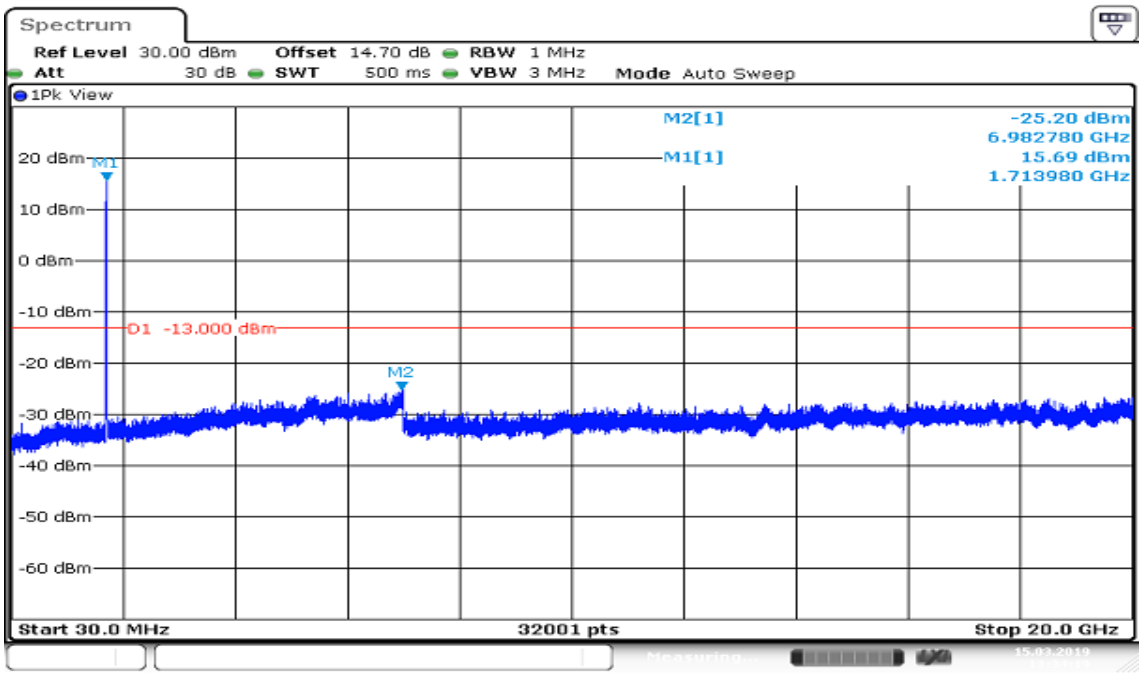
Date: 15.MAR.2019 13:36:01

CH High



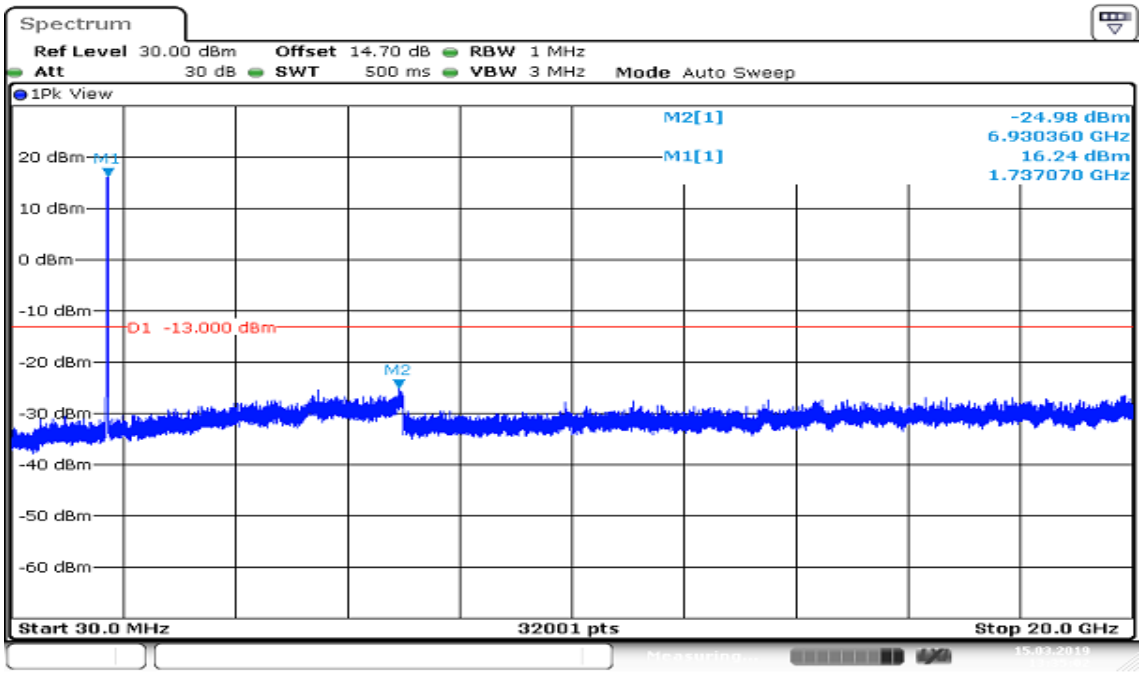
CHANNEL BANDWIDTH: 15MHz / 16QAM

CH Low



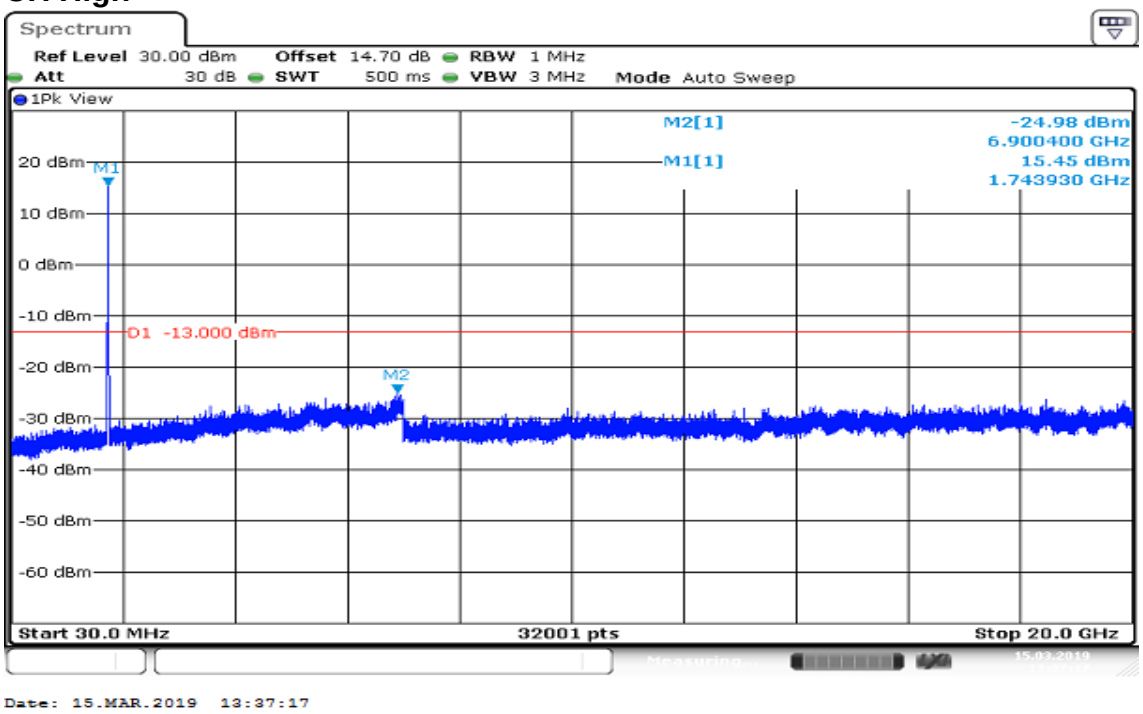
Date: 15.MAR.2019 13:34:19

CH Mid



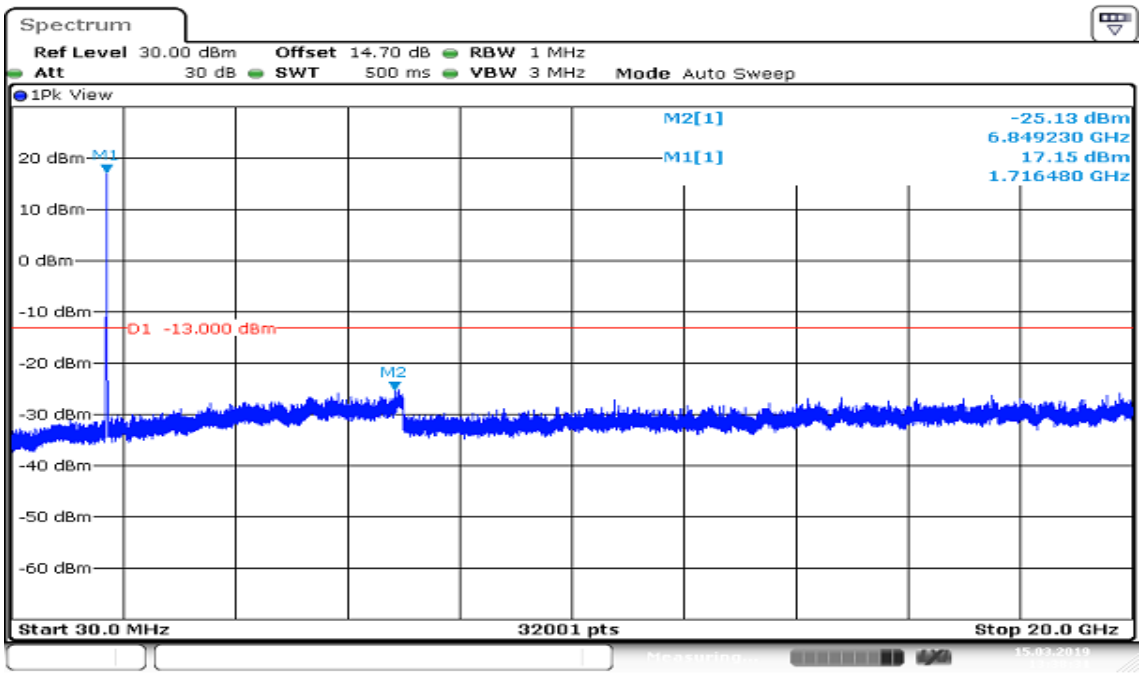
Date: 15.MAR.2019 13:35:03

CH High



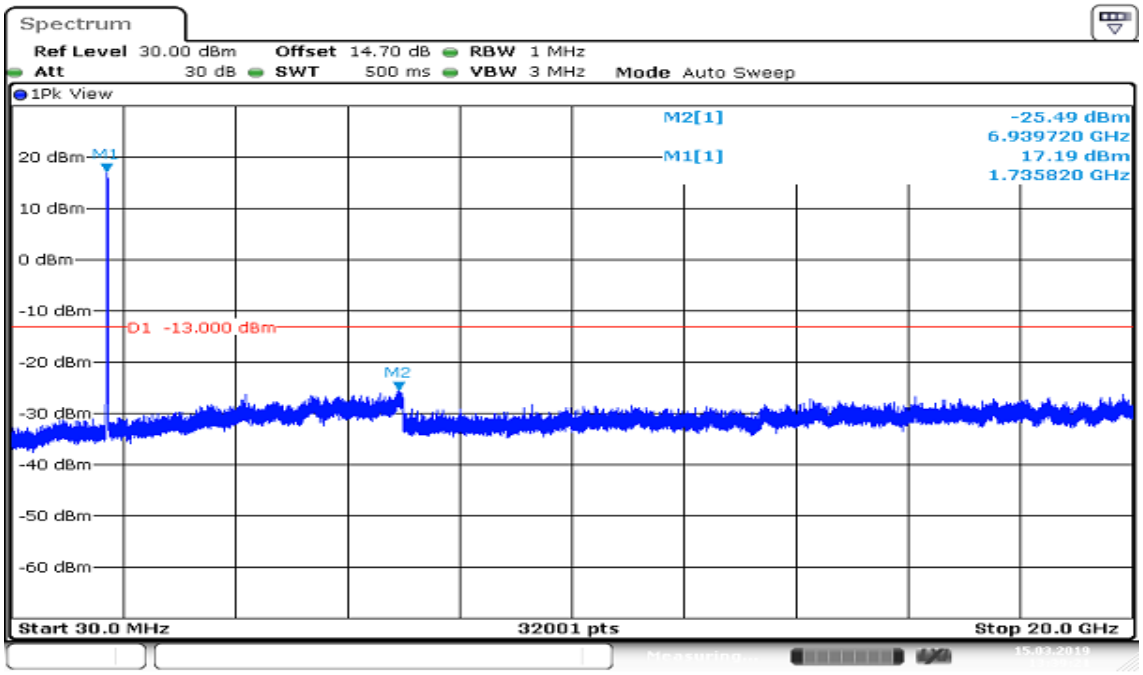
CHANNEL BANDWIDTH: 20MHz / QPSK

CH Low



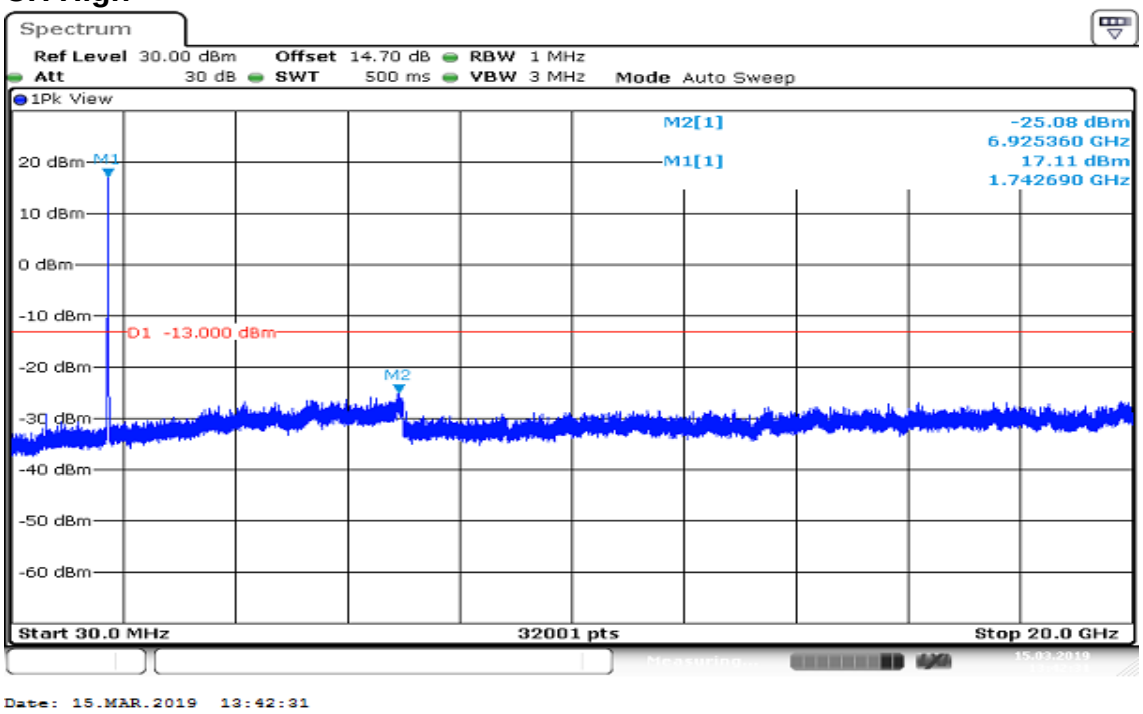
Date: 15.MAR.2019 13:38:31

CH Mid



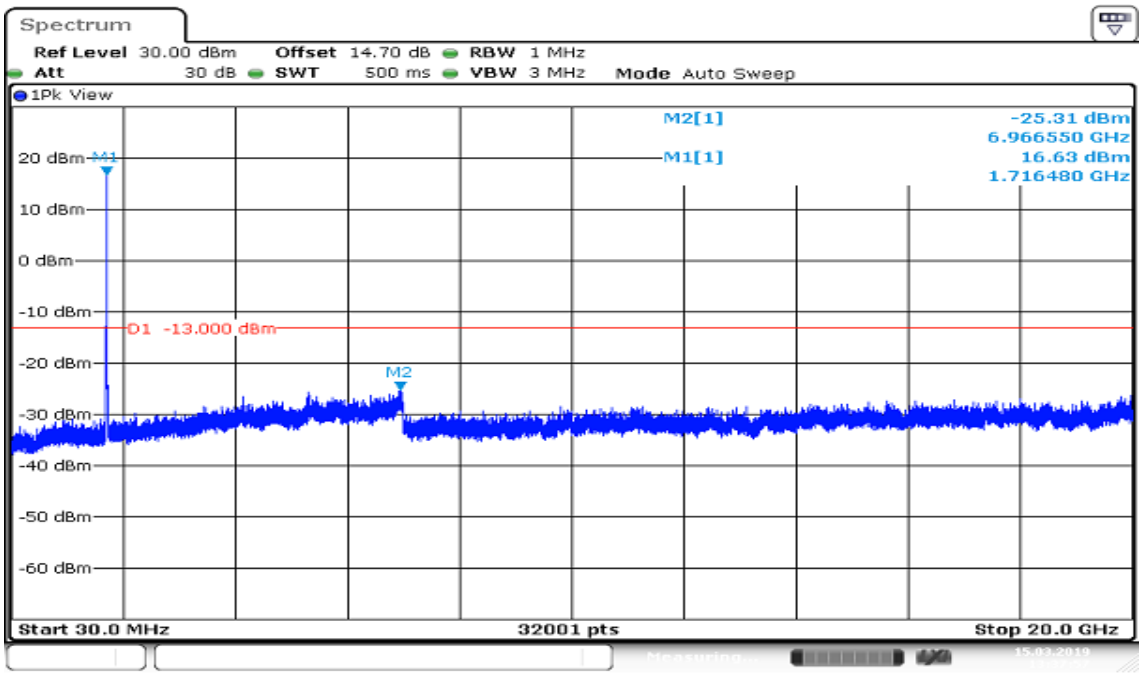
Date: 15.MAR.2019 13:39:22

CH High



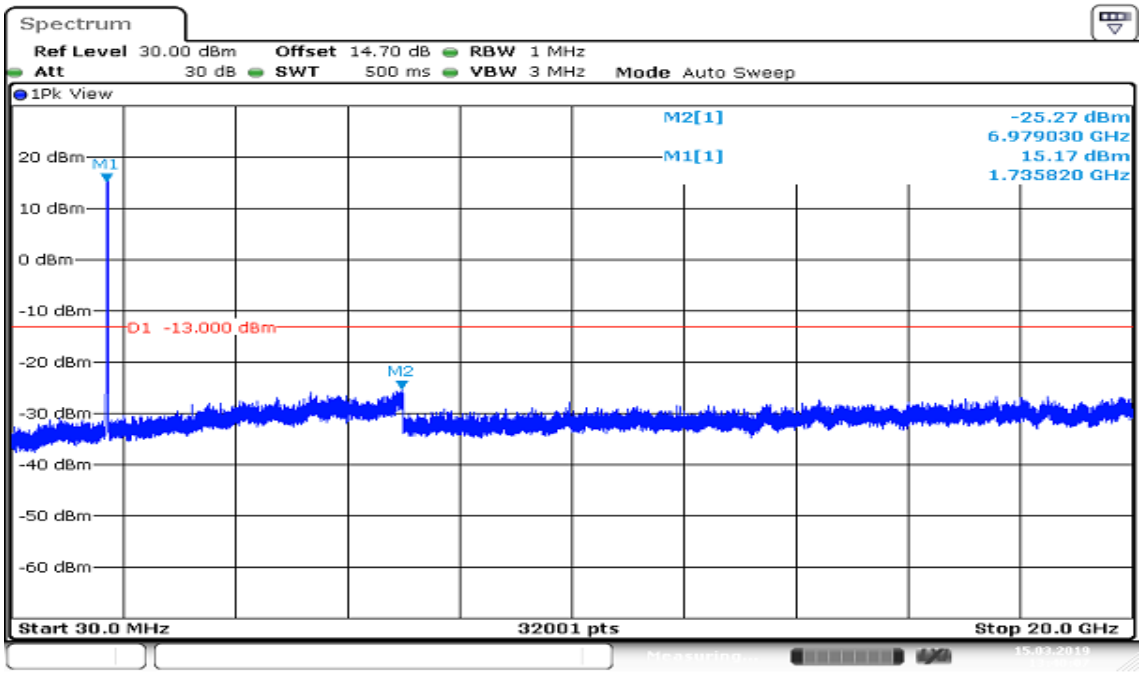
CHANNEL BANDWIDTH: 20MHz / 16QAM

CH Low



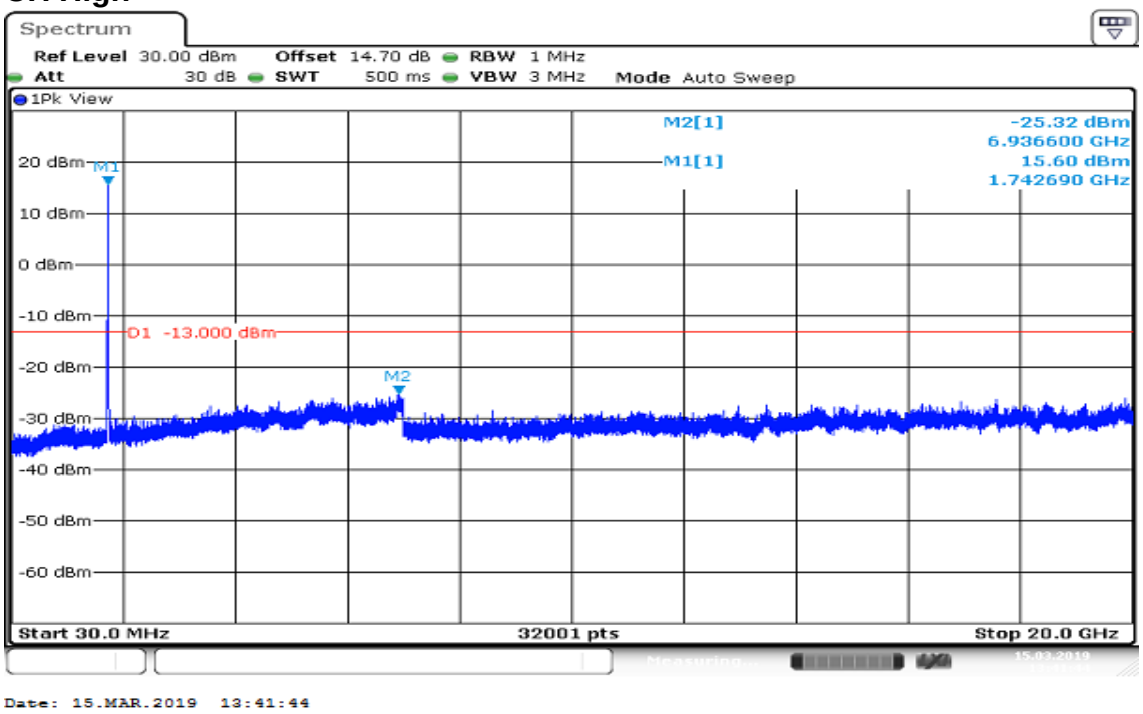
Date: 15.MAR.2019 13:37:57

CH Mid



Date: 15.MAR.2019 13:40:07

CH High



Date: 15.MAR.2019 13:41:44

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 log10 (P) dB.

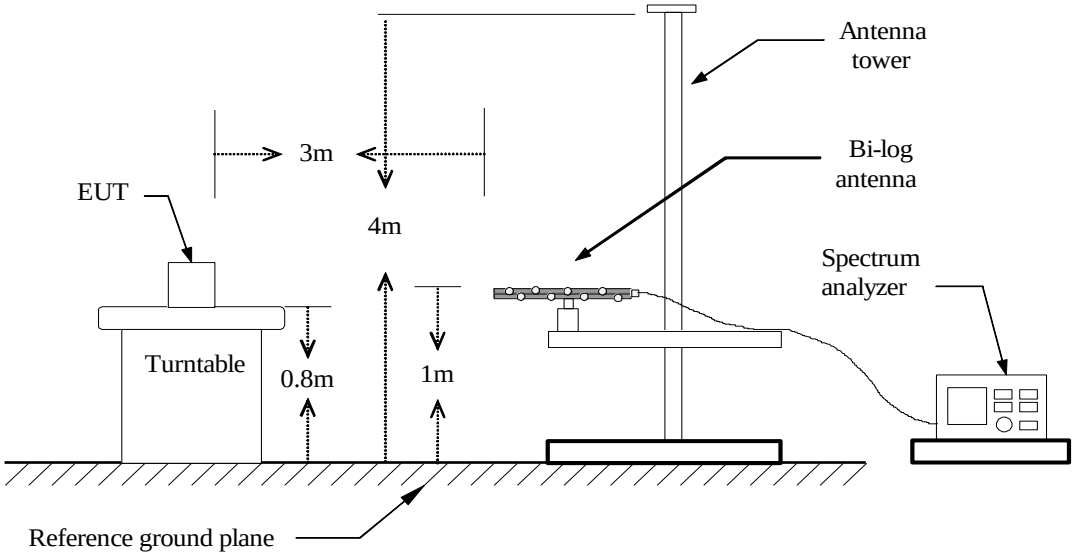
FCC §27.53(c)(2), Band 13

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.

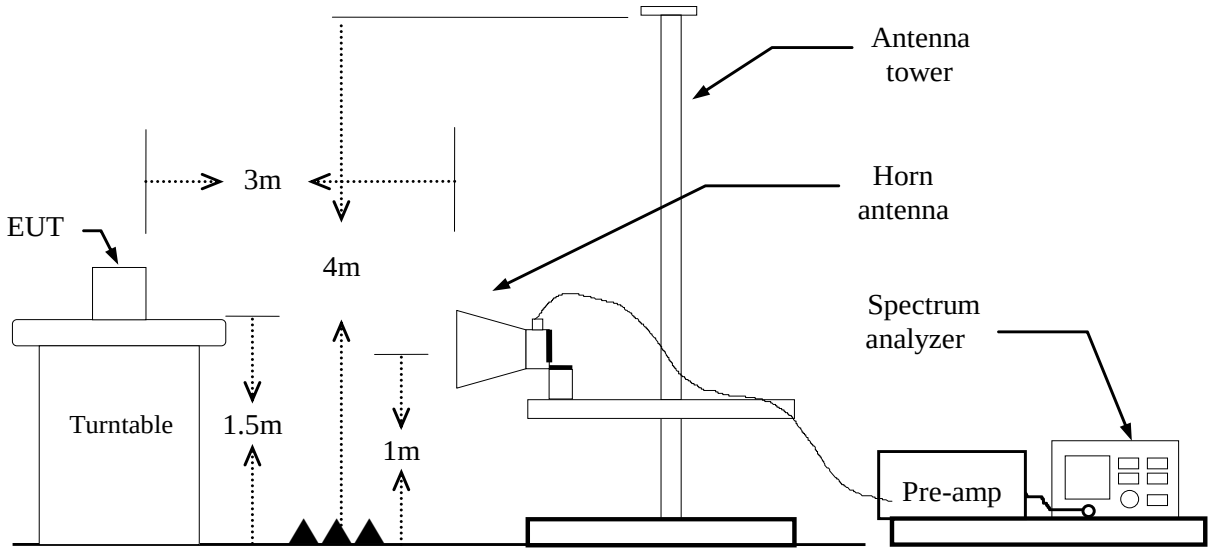
Limit Line: -13dBm

Test Configuration

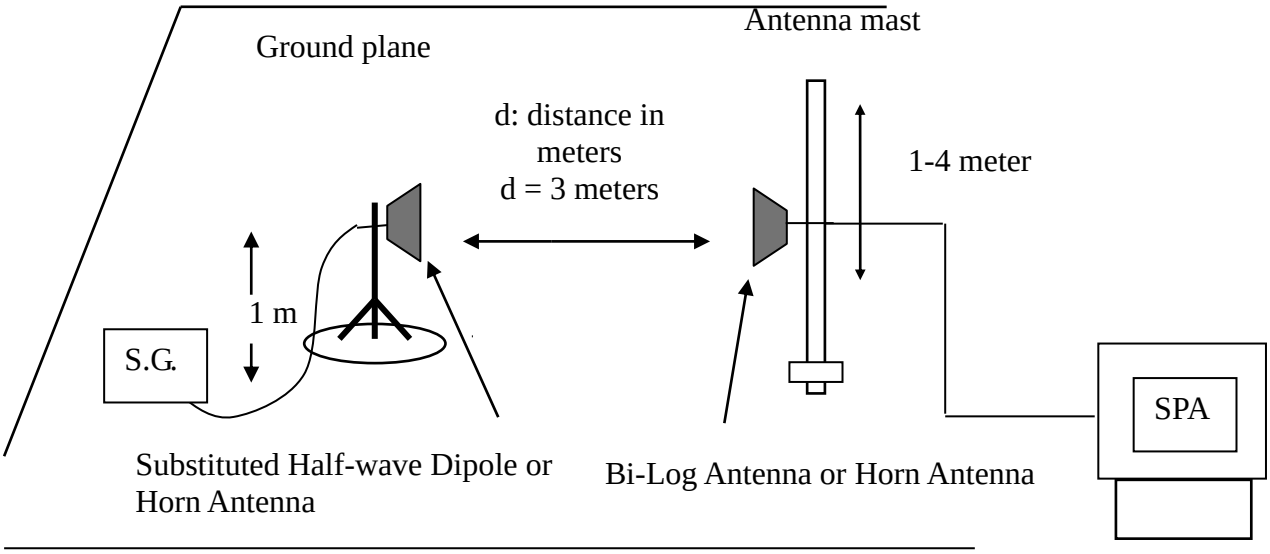
Below 1 GHz



Above 1 GHz



Substituted Method Test Set-up



TEST PROCEDURES

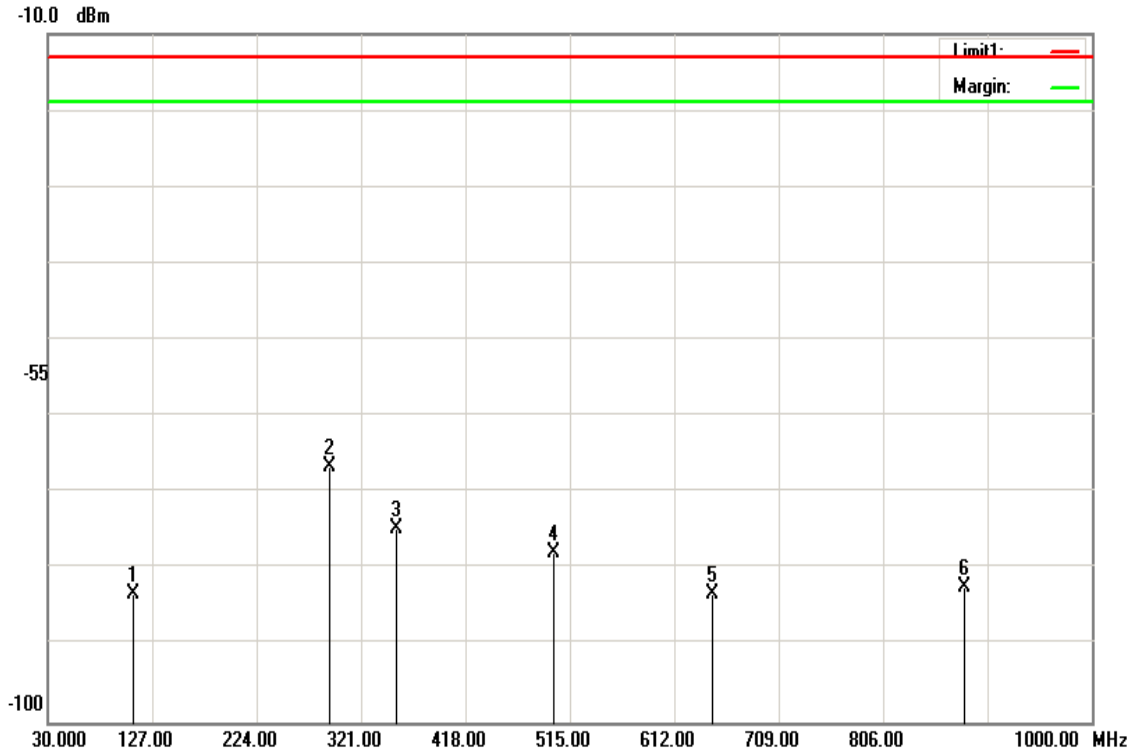
1. According to KDB 971168 D01 Power Meas License Digital Systems and TIA-603-E Section 2.2.12.
2. The EUT was placed on a turntable
   (1) Below 1G : 0.8m
   (2) Above 1G : 0.8m
   (3) EUT set 3m from the receiving antenna
   (4) The table was rotated 360 degrees of the highest spurious emission to 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 = S.G. output (dBm) + Antenna Gain (dBi) – Cable (dB)-2.15
EIRP = S.G. output (dBm) + Antenna Gain (dBi) – Cable (dB)
For test result, the S.G. value is including antenna gain and cable loss.

Below 1GHz

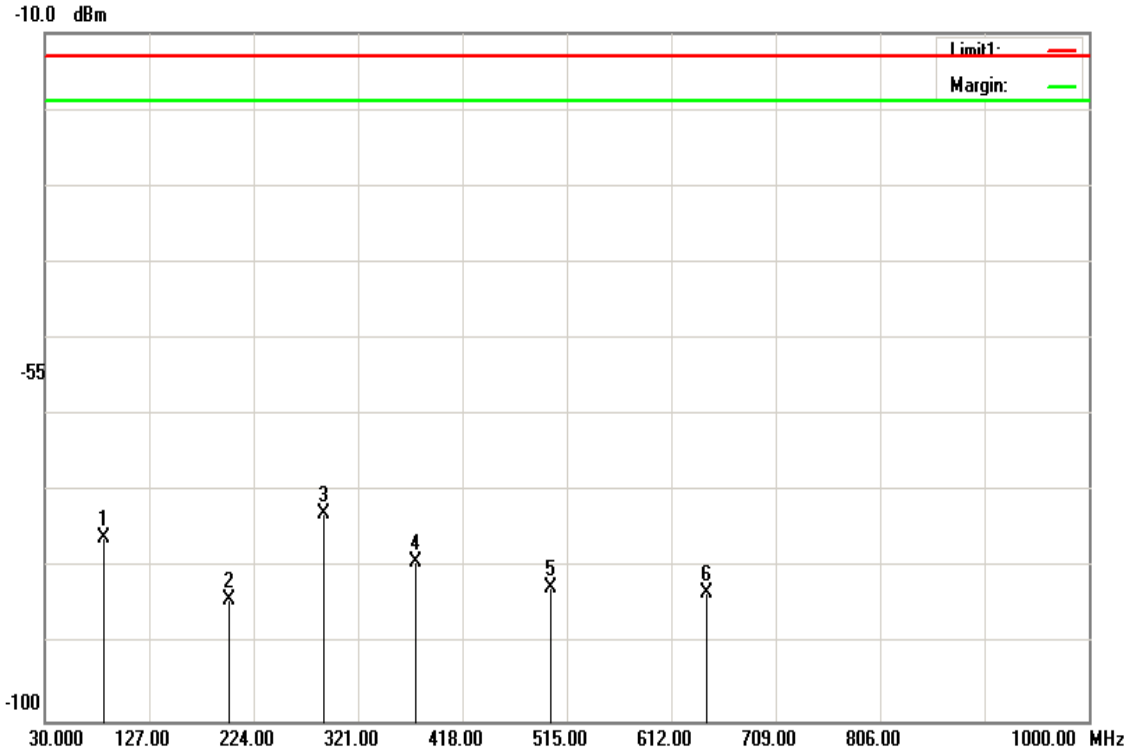
LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode:	Tx / Mid CH	**Test Date:**	January 24, 2019
Temperature:	22℃	**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

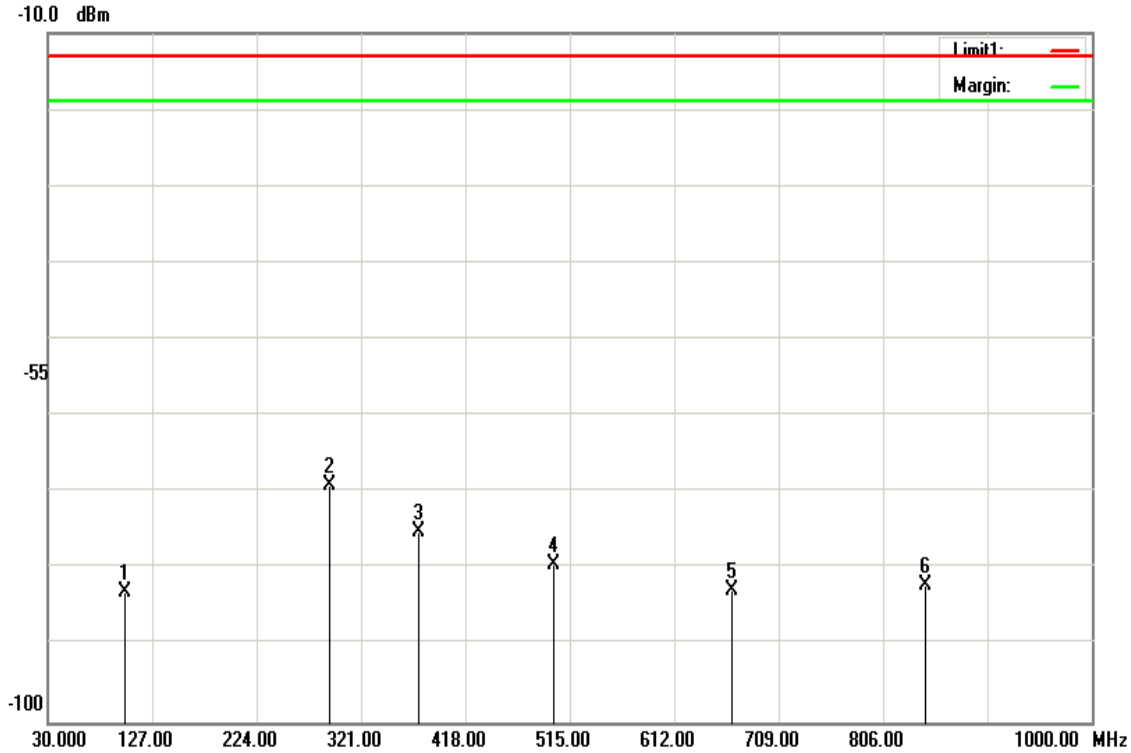
Operation Mode:	Tx / Mid CH	**Test Date:**	January 24, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
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

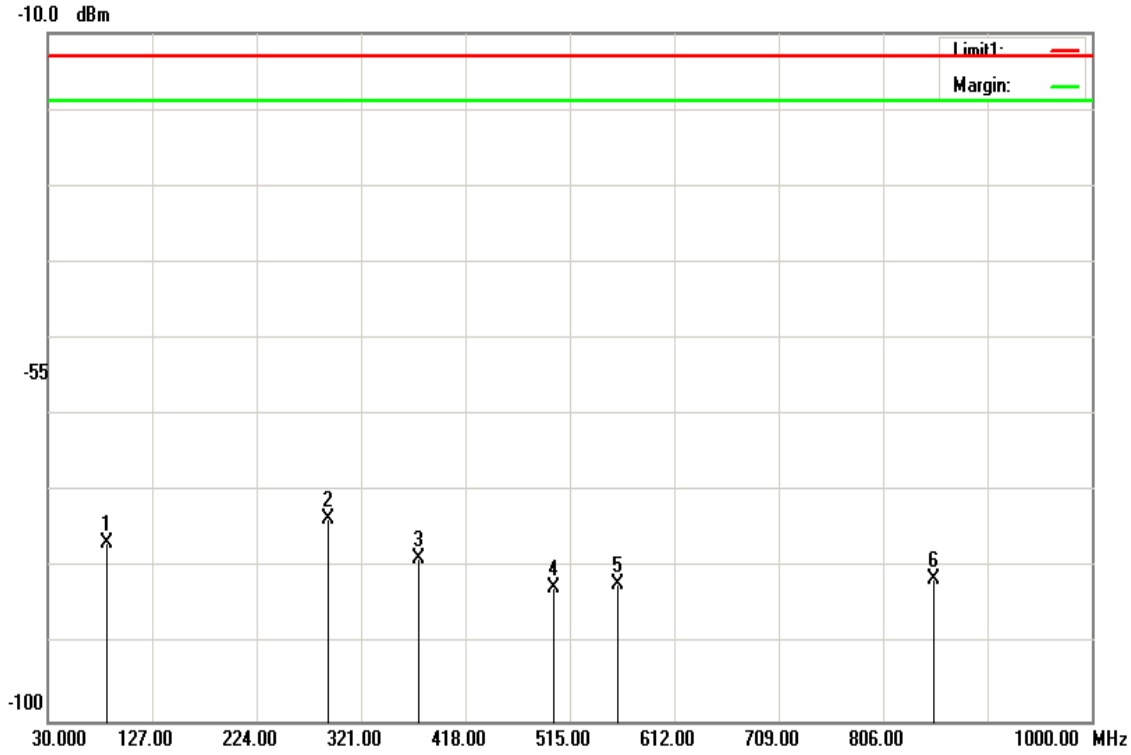
LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / 16QAM

Operation Mode:	Tx / Mid CH	**Test Date:**	January 24, 2019
Temperature:	22℃	**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	**Test Date:**	January 24, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Hor.

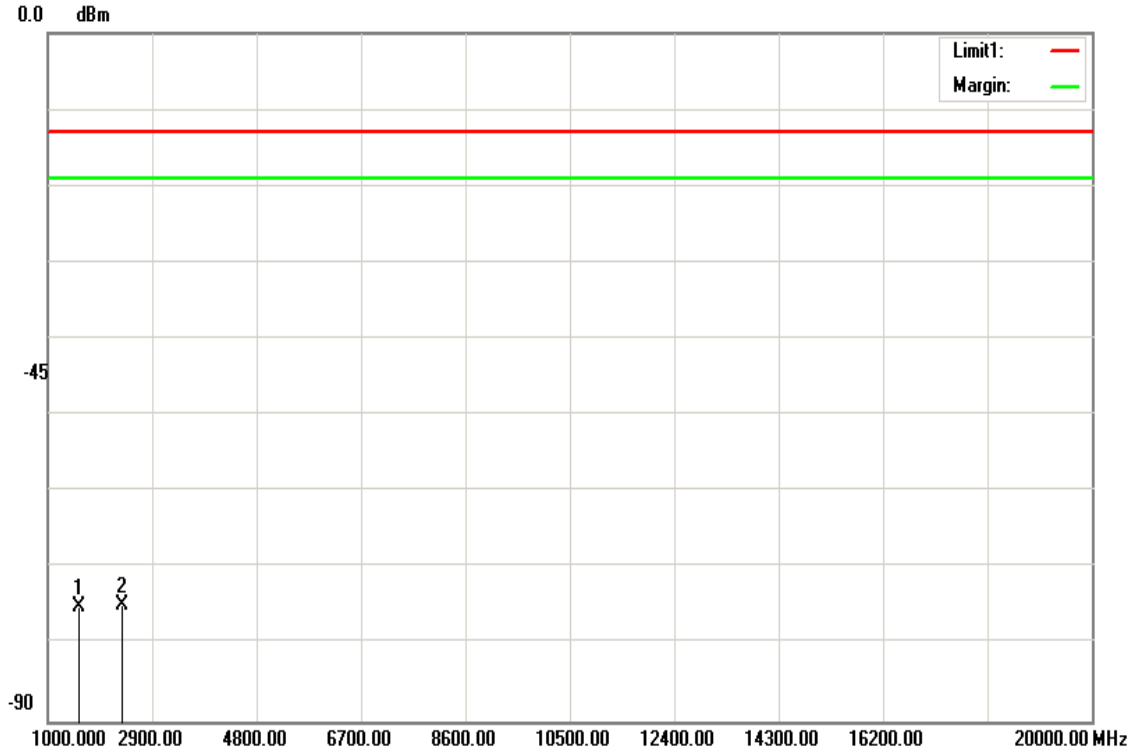


Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
84.8050	-73.59	0.9	-76.64	-13.00	-63.64	H
290.9300	-69.67	1.7	-73.52	-13.00	-60.52	H
374.8350	-74.56	1.94	-78.65	-13.00	-65.65	H
499.9650	-78.23	2.25	-82.63	-13.00	-69.63	H
560.1050	-77.63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

Above 1GHz

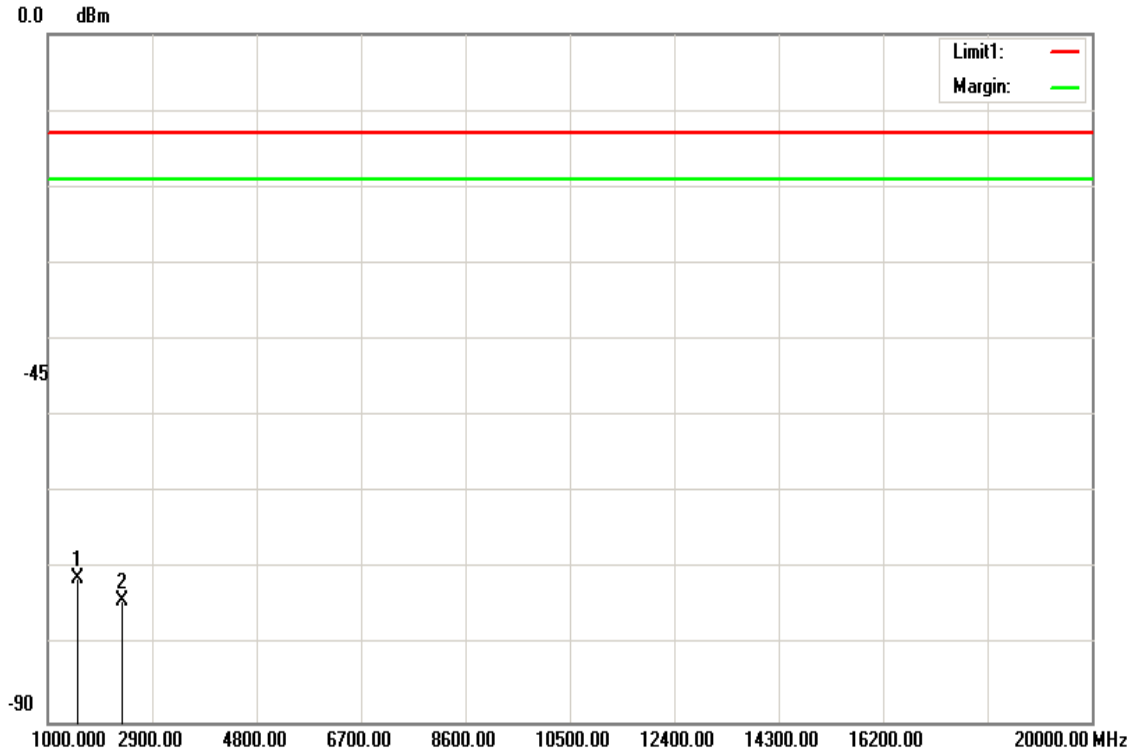
LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / QPSK

Operation Mode:	Tx / Mid CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**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						

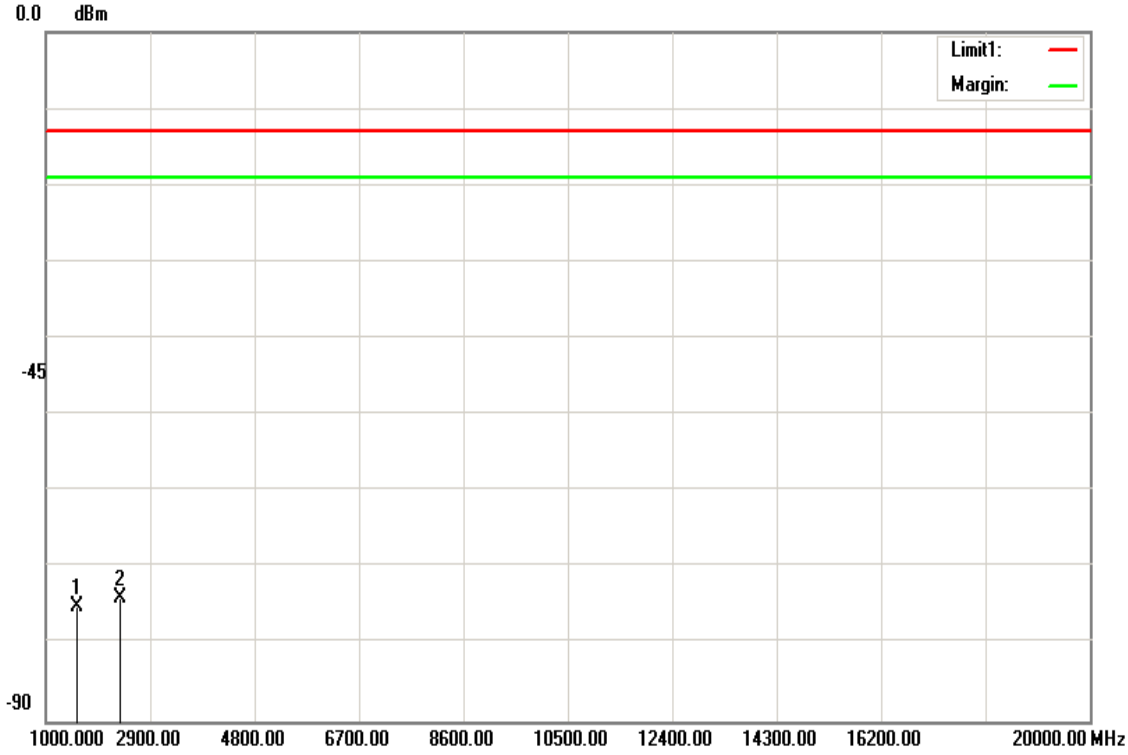
Operation Mode:	Tx / Mid CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
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						

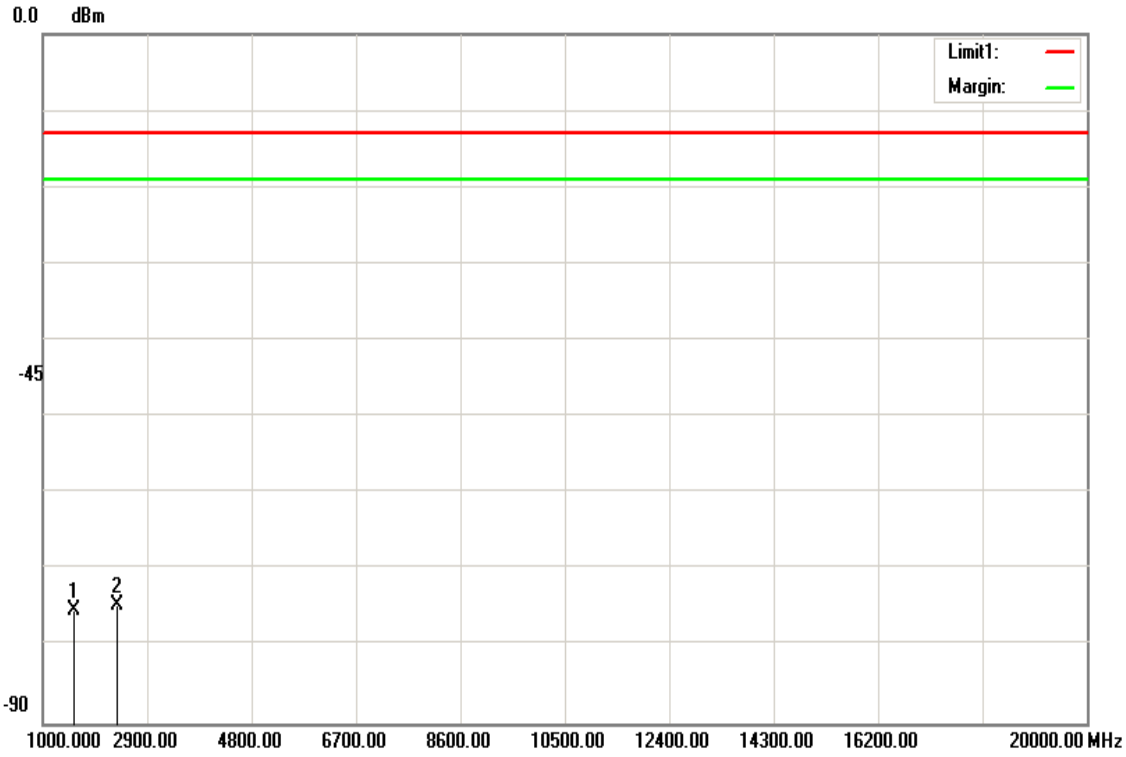
LTE Band 13 / CHANNEL BANDWIDTH: 10MHz / 16QAM

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

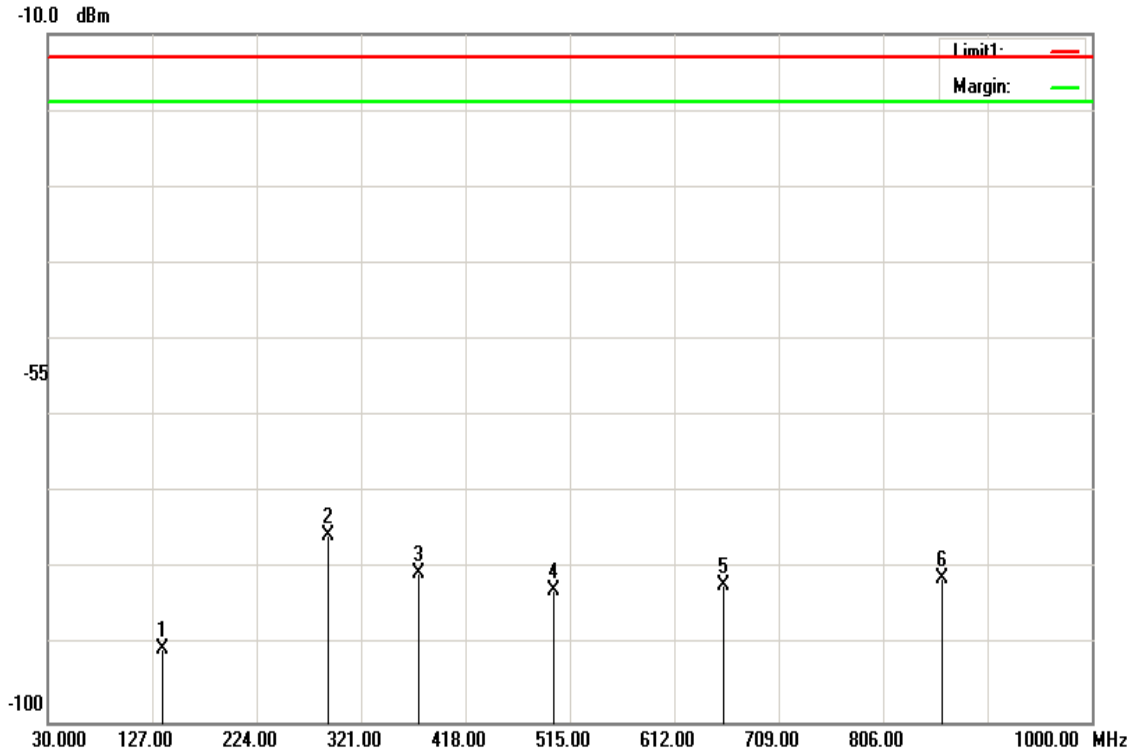


requency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
1564.000	-71.16	4.08	-75.24	-13.00	-62.24	H
2346.000	-69.47	5.13	-74.60	-13.00	-61.60	H
N/A						

Below 1GHz

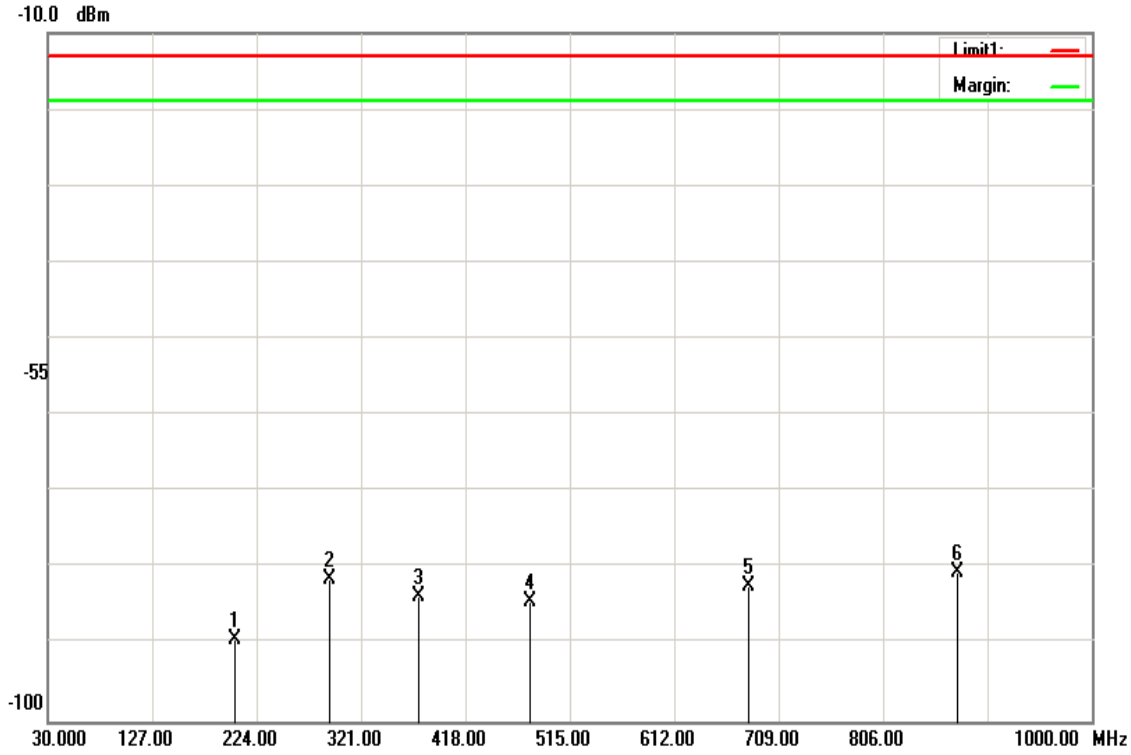
LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / QPSK

Operation Mode:	Tx / Mid CH	**Test Date:**	January 24, 2019
Temperature:	22℃	**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

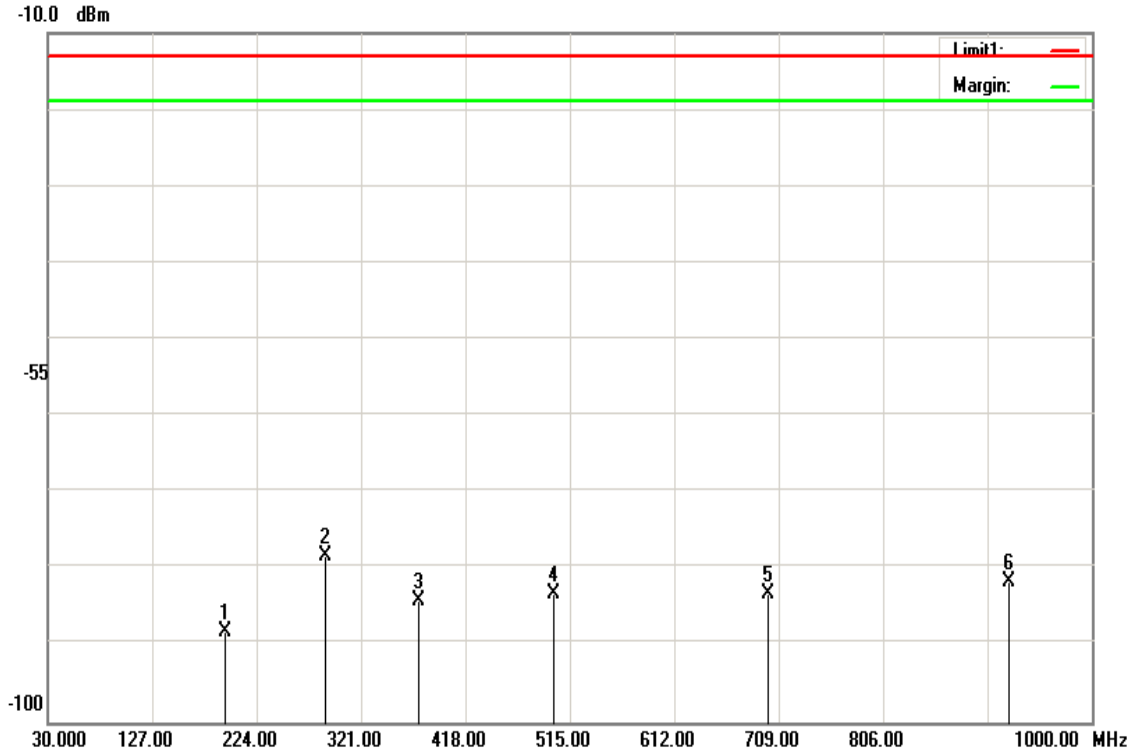
Operation Mode:	Tx / Mid CH	**Test Date:**	January 24, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
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

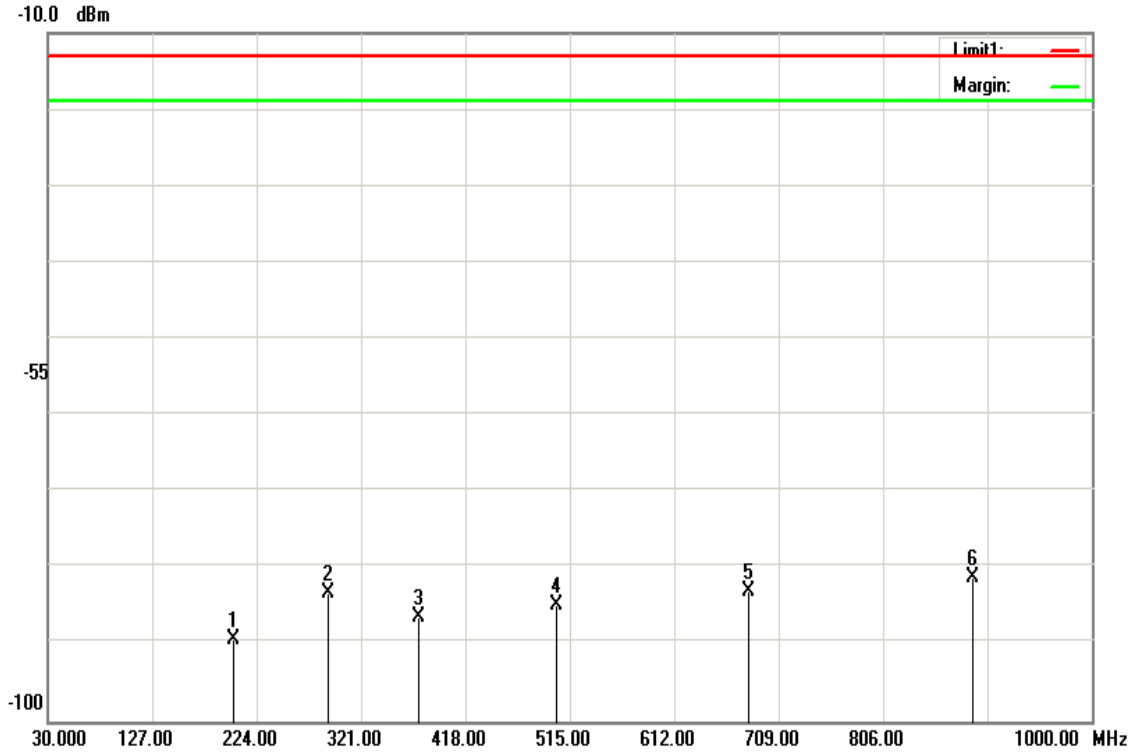
LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / 16QAM

Operation Mode:	Tx / Mid CH	**Test Date:**	January 24, 2019
Temperature:	22℃	**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℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Hor.

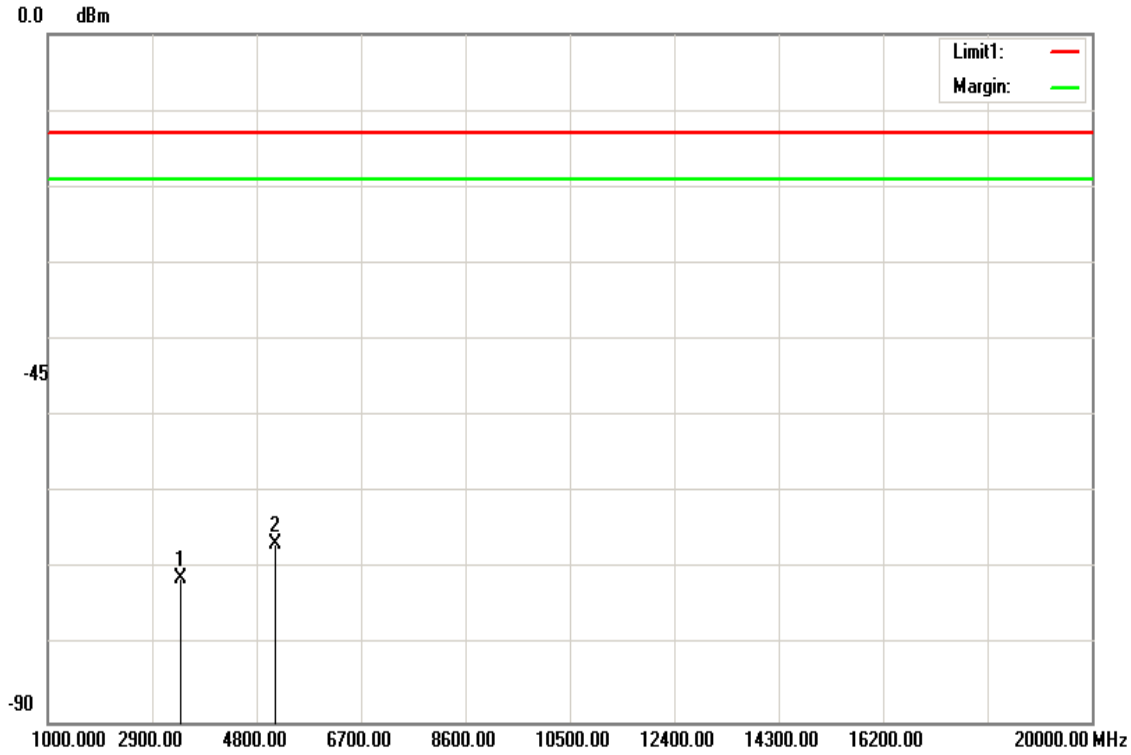


Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
202.6600	-85.7	1.41	-89.26	-13.00	-76.26	H
290.9300	-79.3	1.7	-83.15	-13.00	-70.15	H
374.8350	-82.32	1.94	-86.41	-13.00	-73.41	H
502.3900	-80.43	2.26	-84.84	-13.00	-71.84	H
681.3550	-78.15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

Above 1GHz

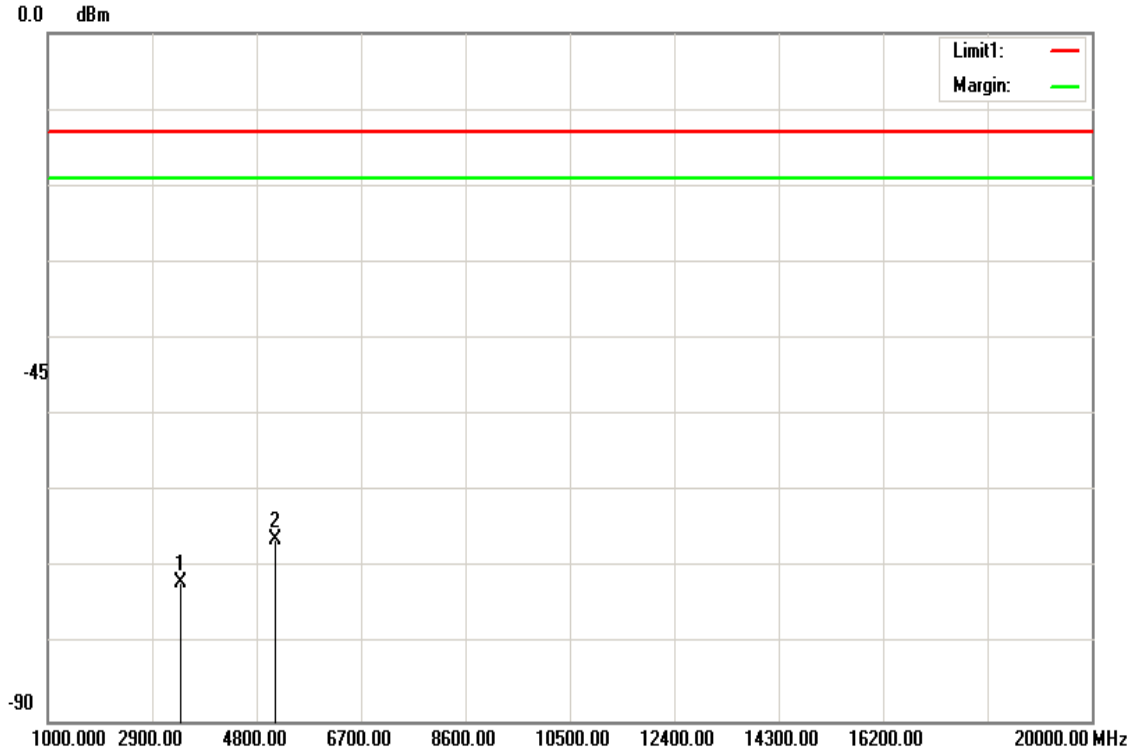
LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / QPSK

Operation Mode:	Tx / Low CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Ver.



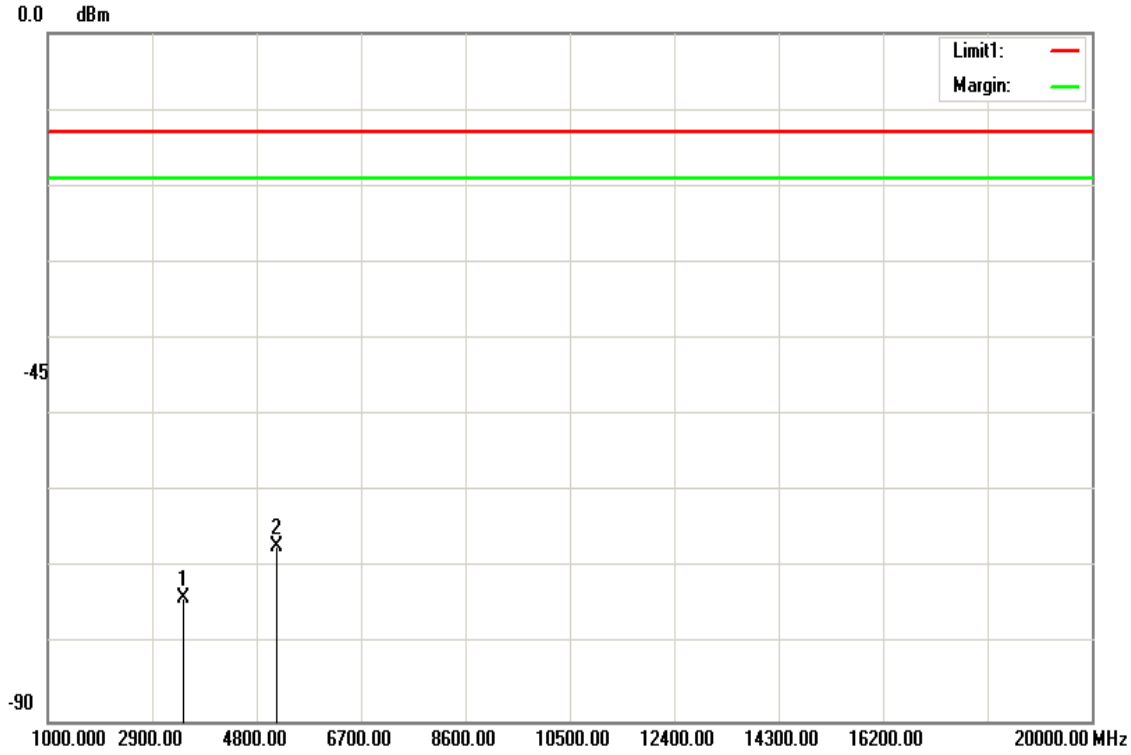
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-64.96	6.35	-71.31	-13.00	-58.31	V
5133.500	-58.72	7.92	-66.64	-13.00	-53.64	V
N/A						

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



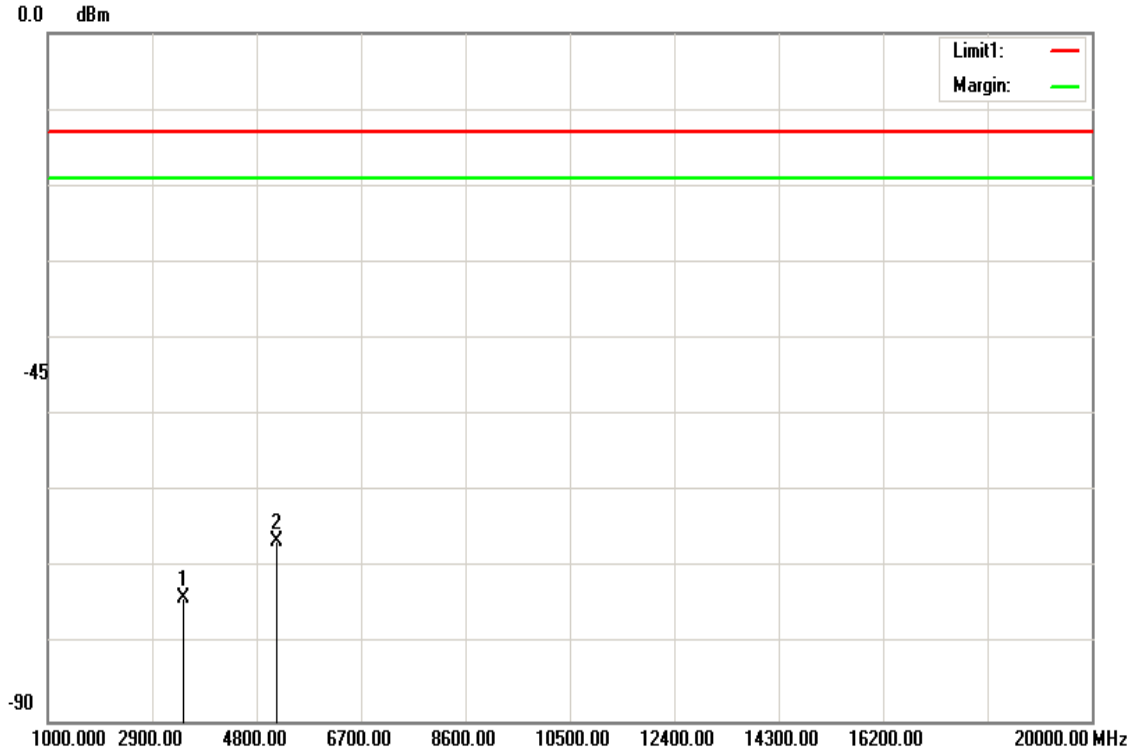
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-65.51	6.35	-71.86	-13.00	-58.86	H
5133.500	-58.27	7.92	-66.19	-13.00	-53.19	H
N/A						

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



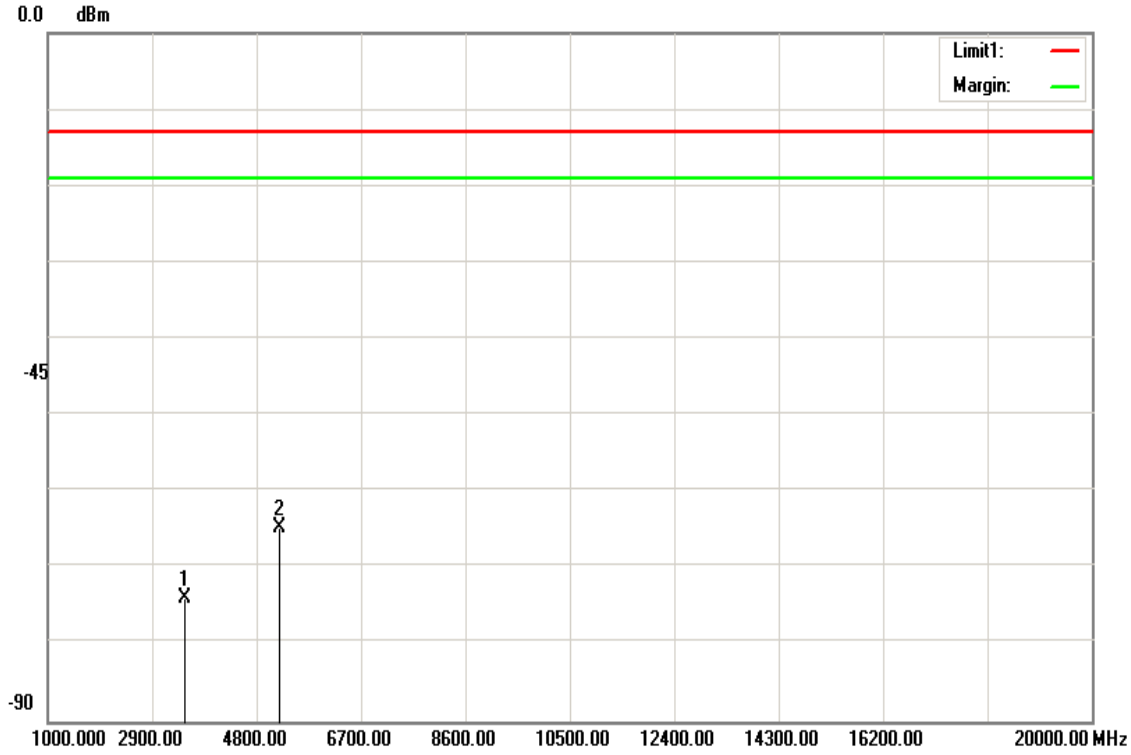
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-67.54	6.39	-73.93	-13.00	-60.93	V
5172.000	-59.2	7.96	-67.16	-13.00	-54.16	V
N/A						

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



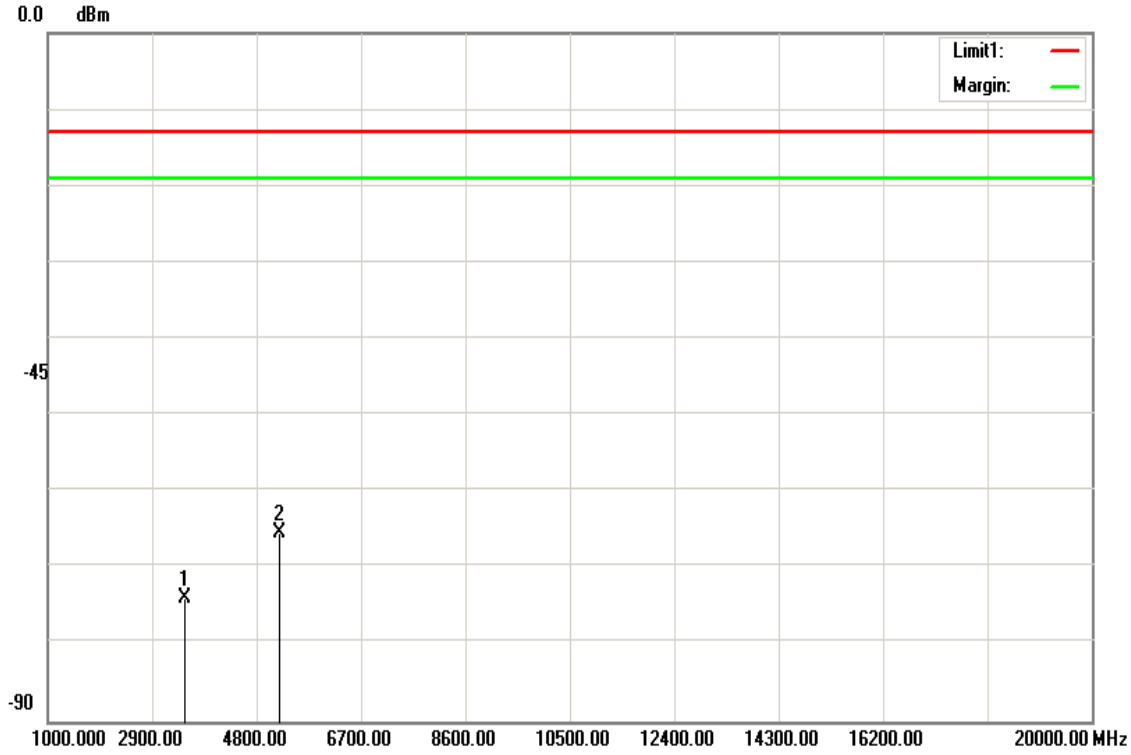
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-67.59	6.39	-73.98	-13.00	-60.98	H
5172.000	-58.51	7.96	-66.47	-13.00	-53.47	H
N/A						

Operation Mode:	Tx / High CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**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)
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						

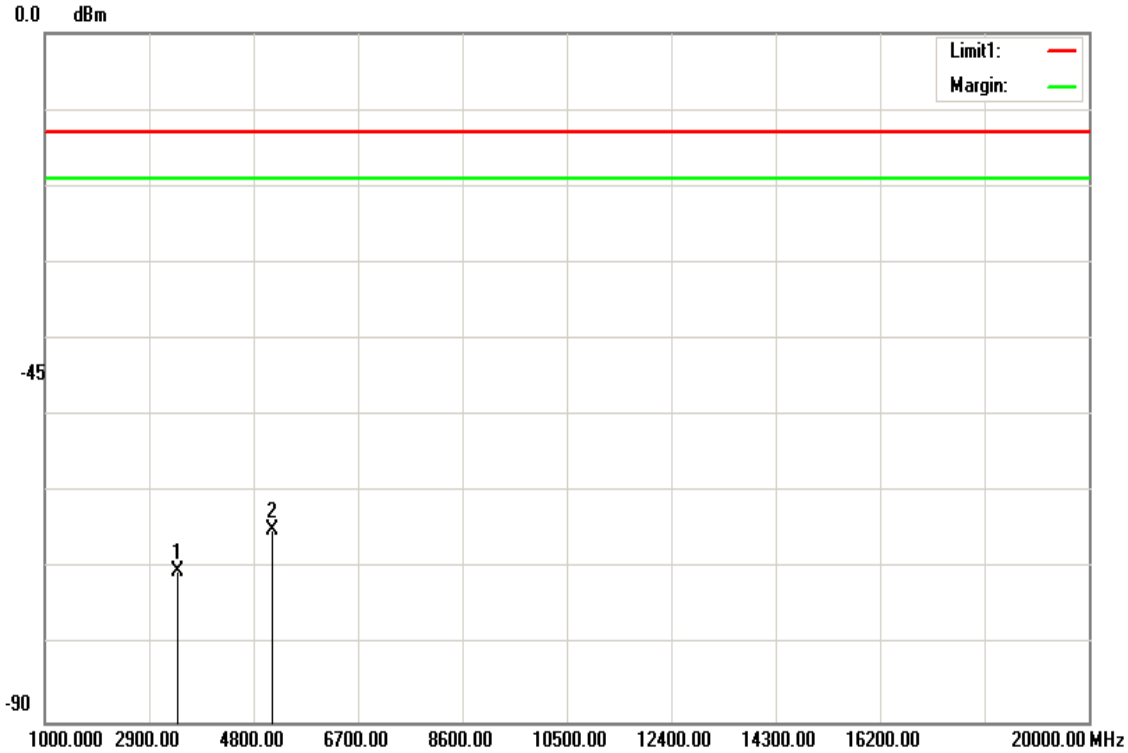
Operation Mode:	Tx / High CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Hor.



Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
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						

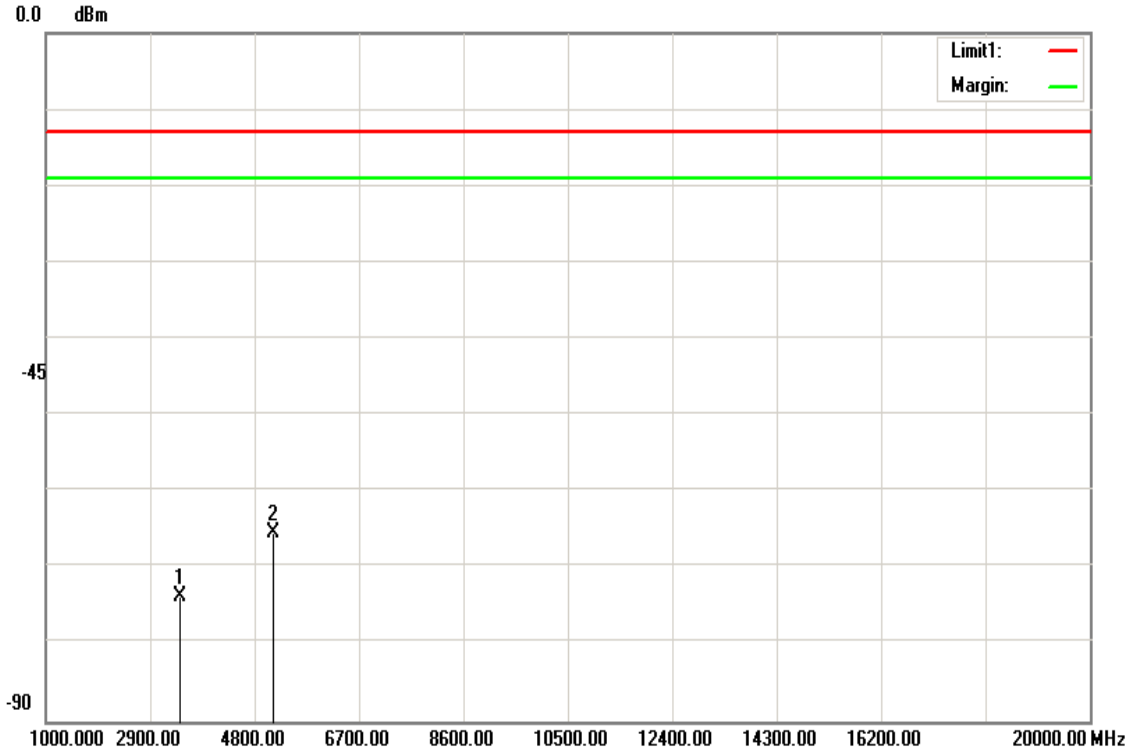
LTE Band 4 / CHANNEL BANDWIDTH: 20MHz / 16QAM

Operation Mode:	Tx / Low CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**Tested by:**	Jerry Chuang
Humidity:	45 %RH	**Polarity:**	Ver.



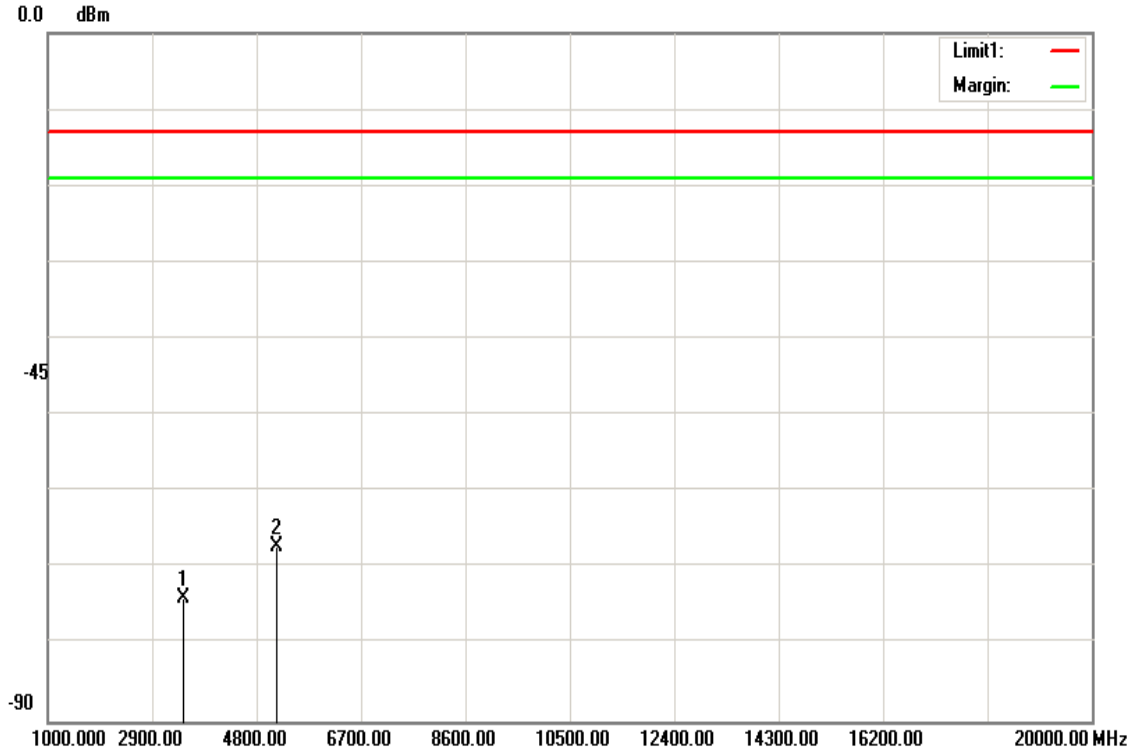
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3422.000	-63.97	6.35	-70.32	-13.00	-57.32	V
5133.500	-57.06	7.92	-64.98	-13.00	-51.98	V
N/A						

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



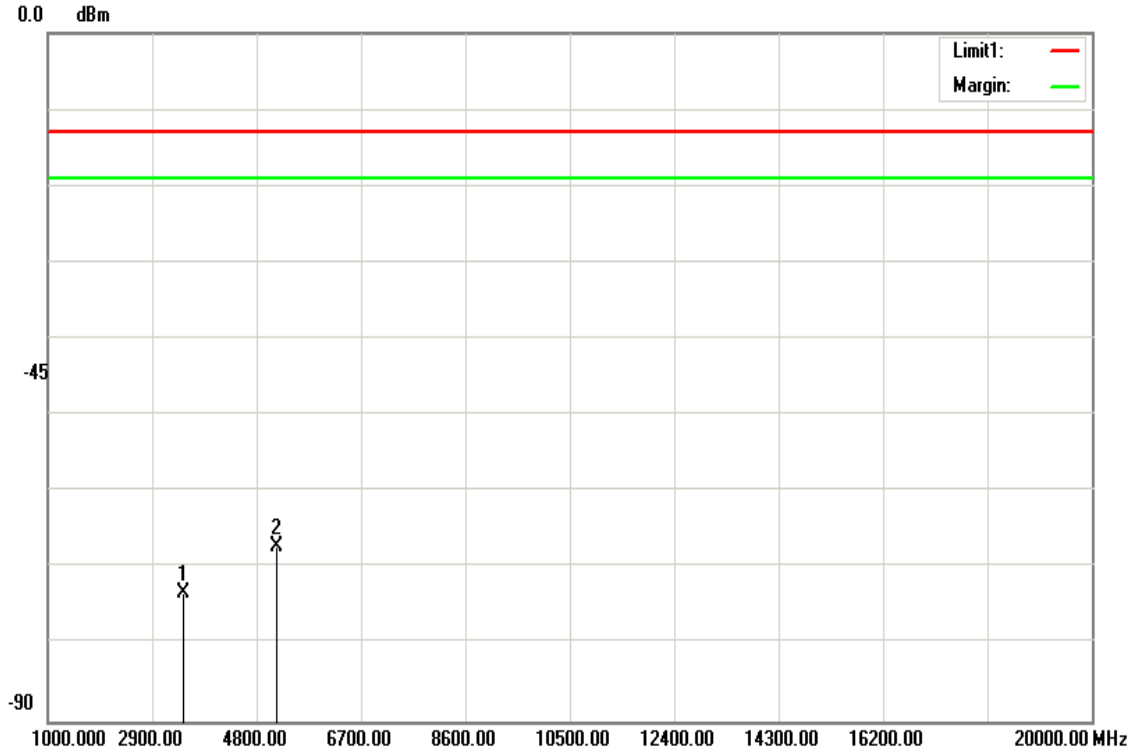
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3440.000	-67.29	6.37	-73.66	-13.00	-60.66	H
5133.500	-57.33	7.92	-65.25	-13.00	-52.25	H
N/A						

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



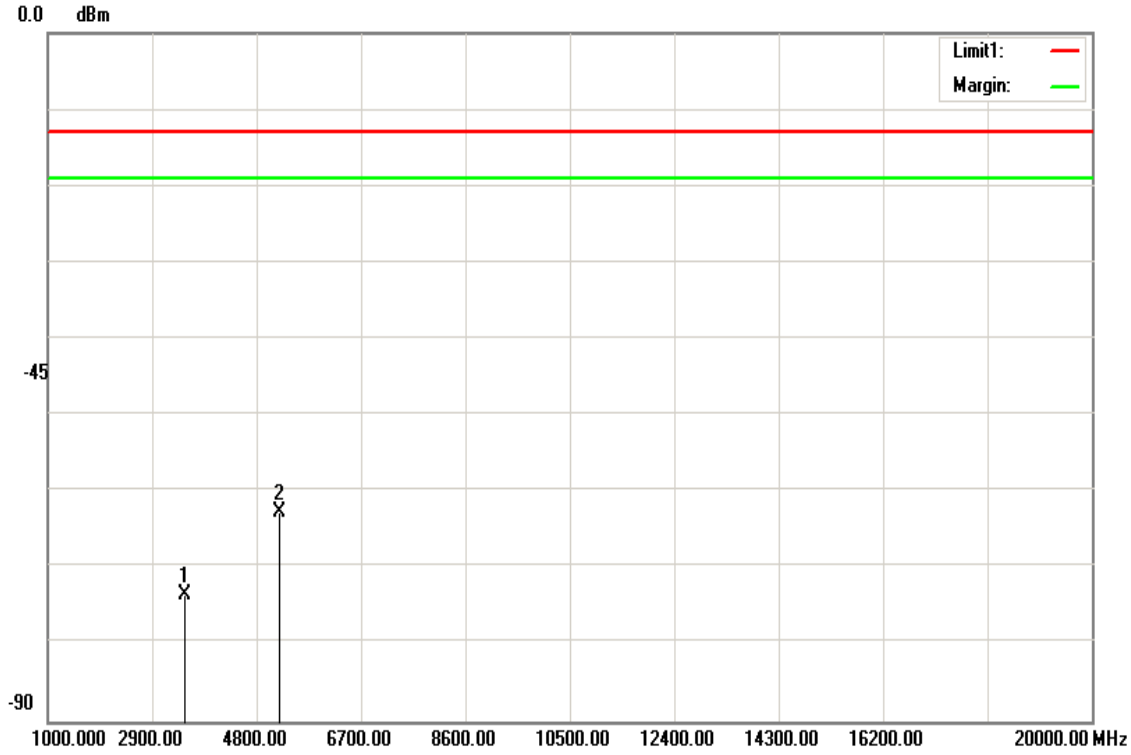
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-67.42	6.39	-73.81	-13.00	-60.81	V
5172.000	-59.1	7.96	-67.06	-13.00	-54.06	V
N/A						

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



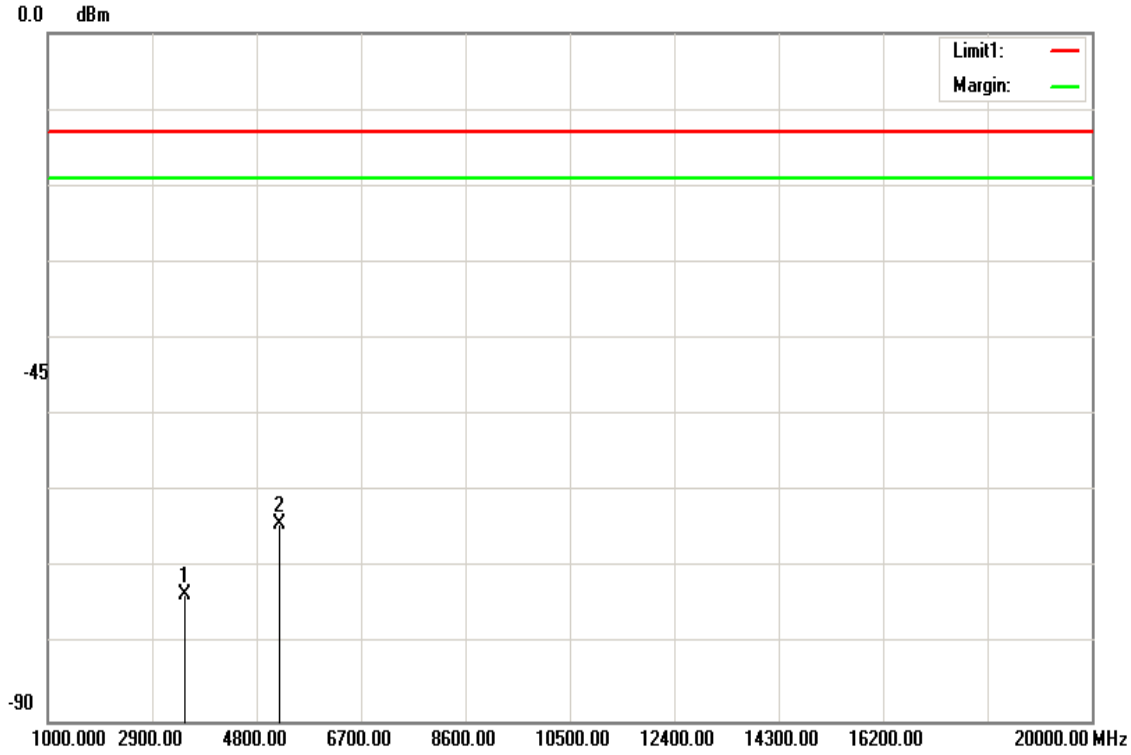
Frequency (MHz)	S.G. (dBm)	Ant.Gain (dBi)	Emission level (dBm)	Limit (dBm)	Margin (dB)	Antenna Polarization (V/H)
3465.000	-66.81	6.39	-73.20	-13.00	-60.20	H
5172.000	-59.3	7.96	-67.26	-13.00	-54.26	H
N/A						

Operation Mode:	Tx / High CH	**Test Date:**	January 28, 2019
Temperature:	22℃	**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)
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	**Test Date:**	January 28, 2019
Temperature:	22℃	**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)
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 --