

### 12.3.6 Occupied bandwidth

**Description:**

Measurement of the occupied bandwidth of the transmitted signal.

**Measurement:**

Similar to conducted emissions, occupied bandwidth measurements are only provided for selected frequencies in order to reduce the amount of submitted data. Data were taken at the mid frequencies of the LTE band 66 frequency band. The table below lists the measured 99% power and -26dBc occupied bandwidths. Spectrum analyzer plots are included on the following pages.

Part 27.53 requires a measurement bandwidth of at least 1% of the occupied bandwidth.

Measurement parameters	
Detector:	Peak
Sweep time:	See plots
Video bandwidth:	See plots
Resolution bandwidth:	See plots
Span:	2 x nominal bandwidth
Trace mode:	Max Hold
Used equipment:	See chapter 7.4 setup A
Measurement uncertainty:	See chapter 9
Measurement procedure	FCC: § 2.1049

**Limits:**

<b>FCC</b>
§ 2.1049
Reporting only

**Results:**

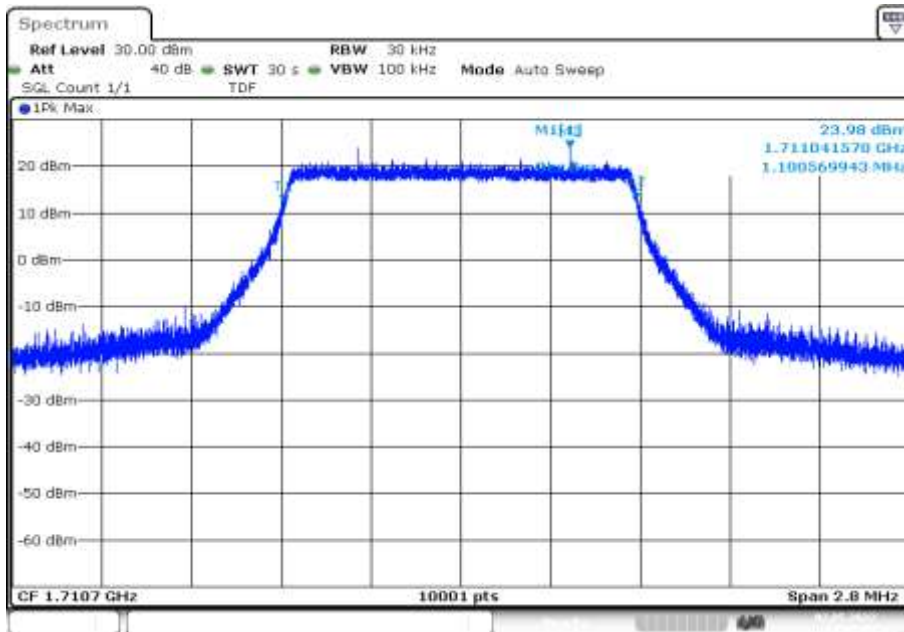
Occupied Bandwidth – QPSK			
Bandwidth	Channel	99% OBW (MHz)	-26 dBc BW (MHz)
1.4	low	1.1	1.4
	mid	1.1	1.4
	high	1.1	1.4
3.0	low	2.7	3.2
	mid	2.7	3.1
	high	2.7	3.2
5.0	low	4.5	5.2
	mid	4.5	5.2
	high	4.5	5.2
10.0	low	9.1	10.3
	mid	9.1	10.3
	high	9.1	10.3
15.0	low	13.5	15.1
	mid	13.5	15.1
	high	13.5	15.0
20.0	low	18.1	20.2
	mid	18.0	20.1
	high	18.0	20.1

Occupied Bandwidth – 16-QAM			
Bandwidth	Channel	99% OBW (MHz)	-26 dBc BW (MHz)
1.4	low	1.1	1.3
	mid	1.1	1.4
	high	1.1	1.4
3.0	low	2.7	3.2
	mid	2.7	3.2
	high	2.7	3.1
5.0	low	4.5	5.2
	mid	4.5	5.2
	high	4.5	5.2
10.0	low	9.1	10.3
	mid	9.1	10.3
	high	9.1	10.3
15.0	low	13.5	15.1
	mid	13.5	15.0
	high	13.5	15.0
20.0	low	18.1	20.1
	mid	18.0	20.1
	high	18.0	20.0

Occupied Bandwidth – 64-QAM			
Bandwidth	Channel	99% OBW (MHz)	-26 dBc BW (MHz)
1.4	low	1.1	1.3
	mid	1.1	1.4
	high	1.1	1.4
3.0	low	2.7	3.2
	mid	2.8	3.2
	high	2.7	3.2
5.0	low	4.5	5.2
	mid	4.5	5.2
	high	4.5	5.5
10.0	low	9.1	10.4
	mid	9.1	10.3
	high	9.1	10.3
15.0	low	13.5	15.0
	mid	13.5	15.0
	high	13.5	14.9
20.0	low	18.0	20.2
	mid	18.1	20.1
	high	18.0	20.1

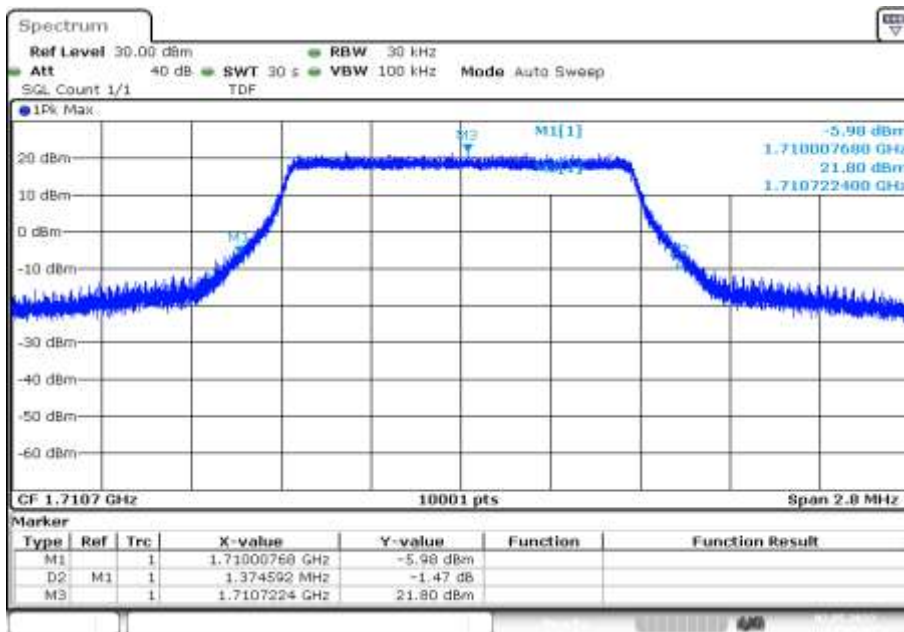
**Plots:**

**Plot 1:** 1.4 MHz – QPSK - lowest channel (99% - OBW)



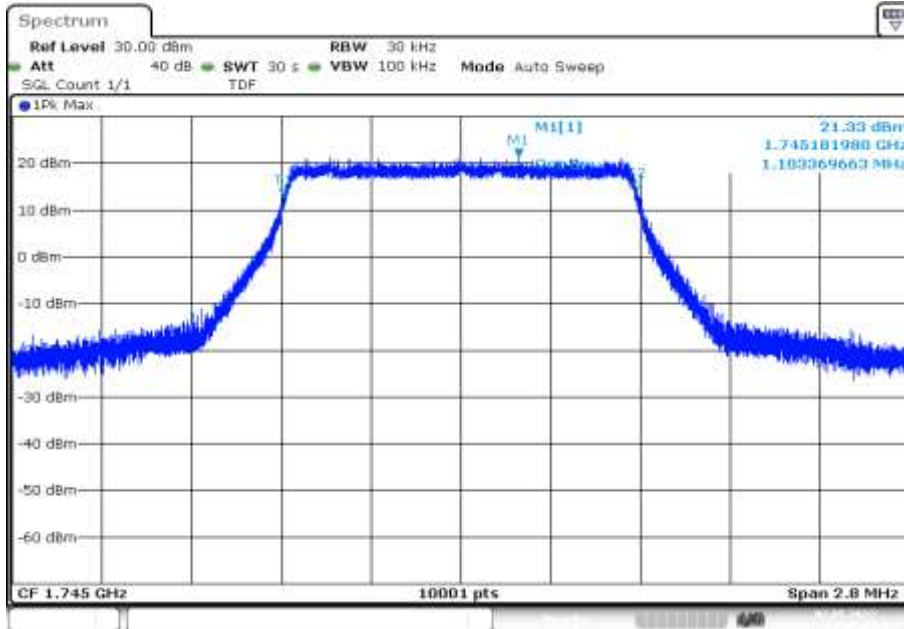
Date: 2.MAY.2022 17:19:26

**Plot 2:** 1.4 MHz – QPSK - lowest channel (-26 dBc BW)



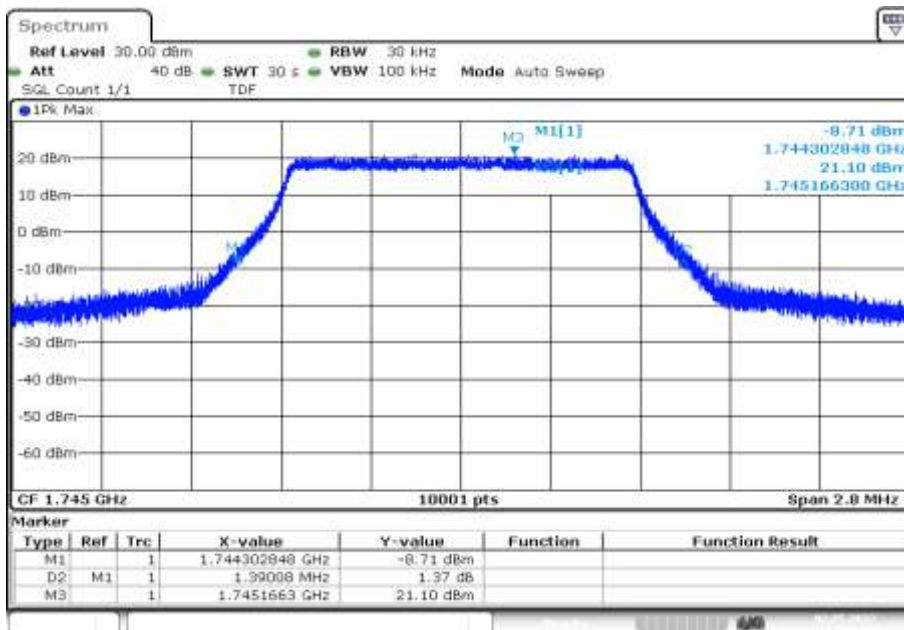
Date: 2.MAY.2022 17:19:59

**Plot 3:** 1.4 MHz – QPSK – middle channel (99% - OBW)



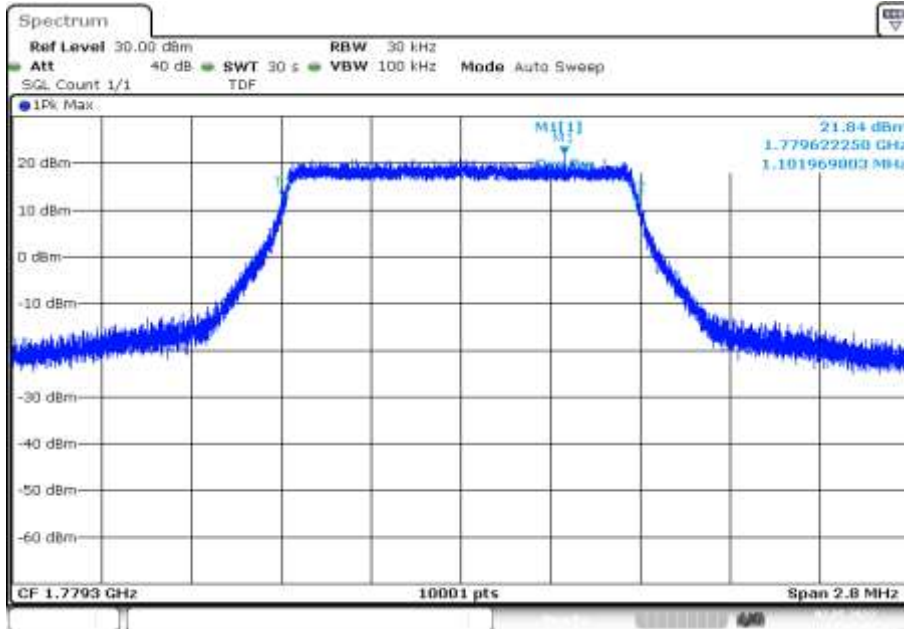
Date: 2.MAY.2022 17:26:18

**Plot 4:** 1.4 MHz – QPSK – middle channel (-26 dBc BW)



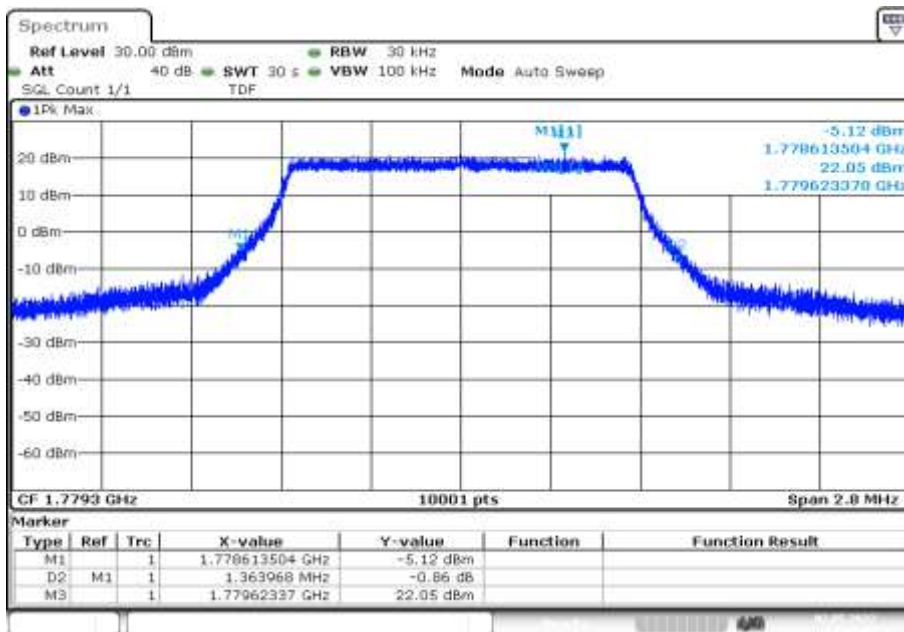
Date: 2.MAY.2022 17:26:51

**Plot 5:** 1.4 MHz – QPSK - highest channel (99% - OBW)



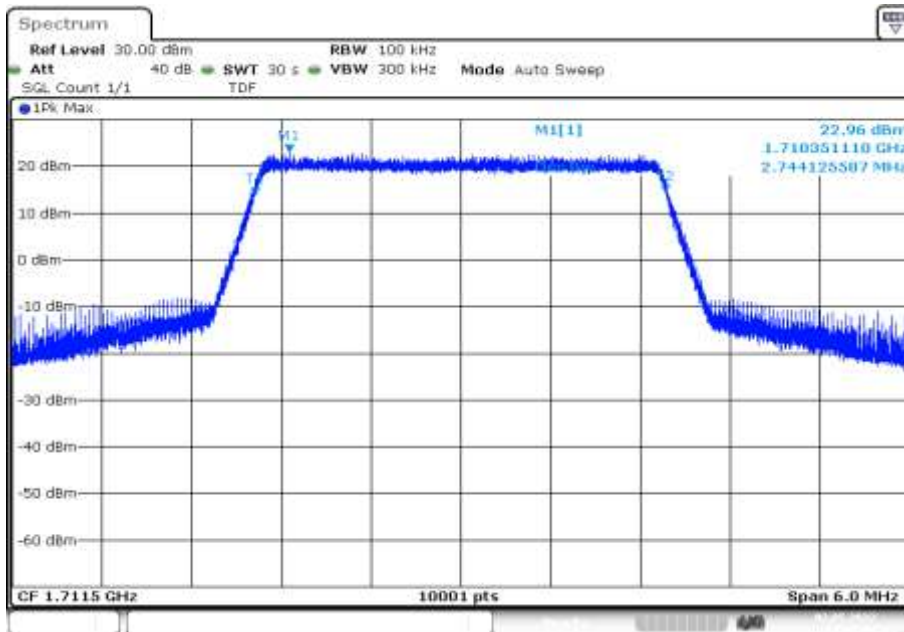
Date: 2.MAY.2022 17:33:09

**Plot 6:** 1.4 MHz – QPSK - highest channel (-26 dBc BW)



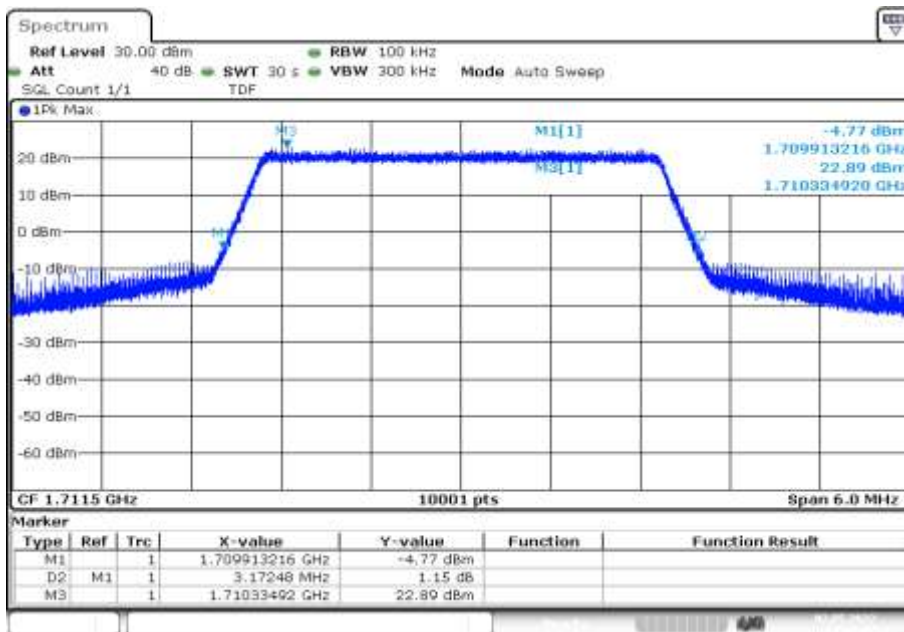
Date: 2.MAY.2022 17:33:43

**Plot 7:** 3 MHz – QPSK - lowest channel (99% - OBW)



Date: 2.MAY.2022 17:40:45

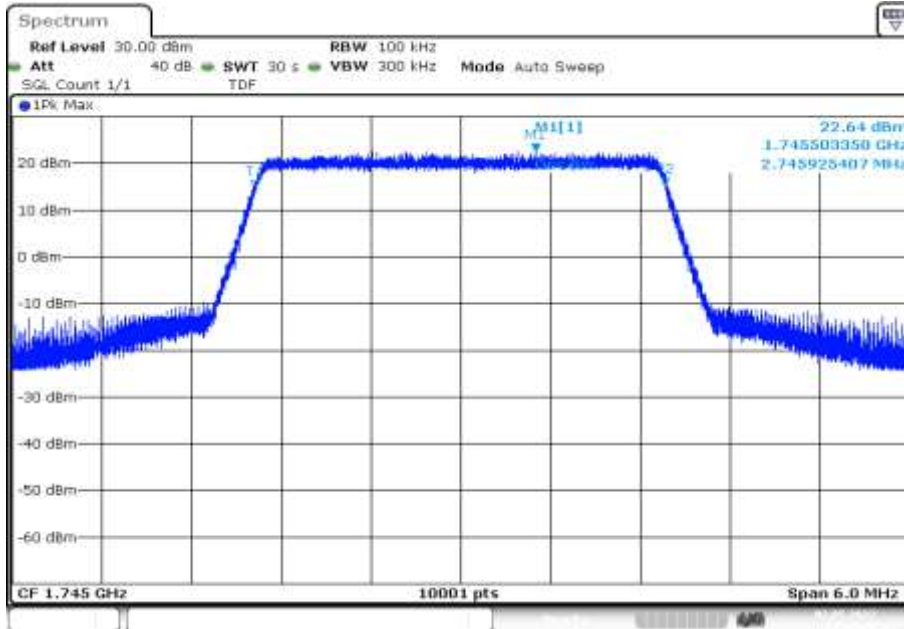
**Plot 8:** 3 MHz – QPSK - lowest channel (-26 dBc BW)



Date: 2.MAY.2022 17:41:18

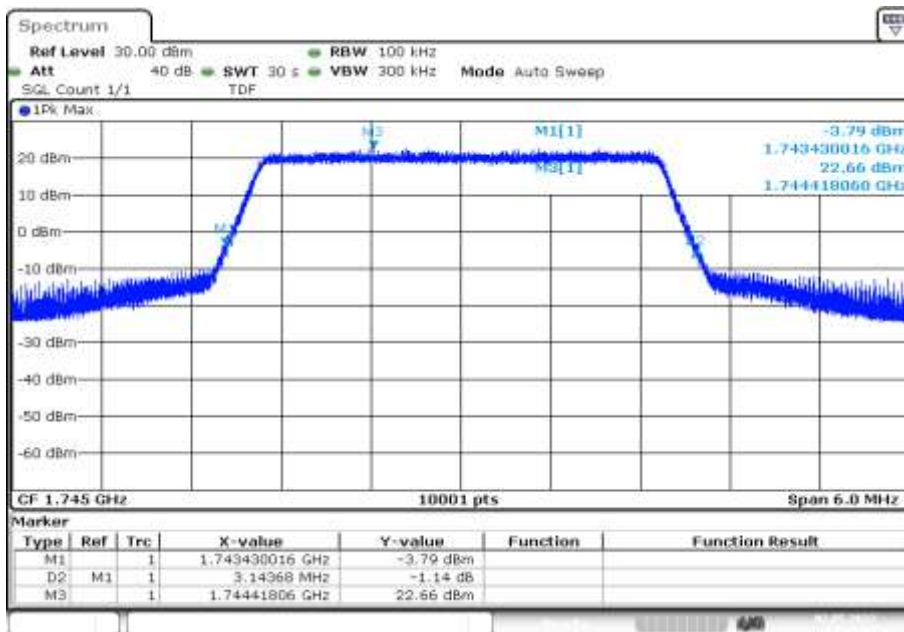


**Plot 9:** 3 MHz – QPSK - middle channel (99% - OBW)



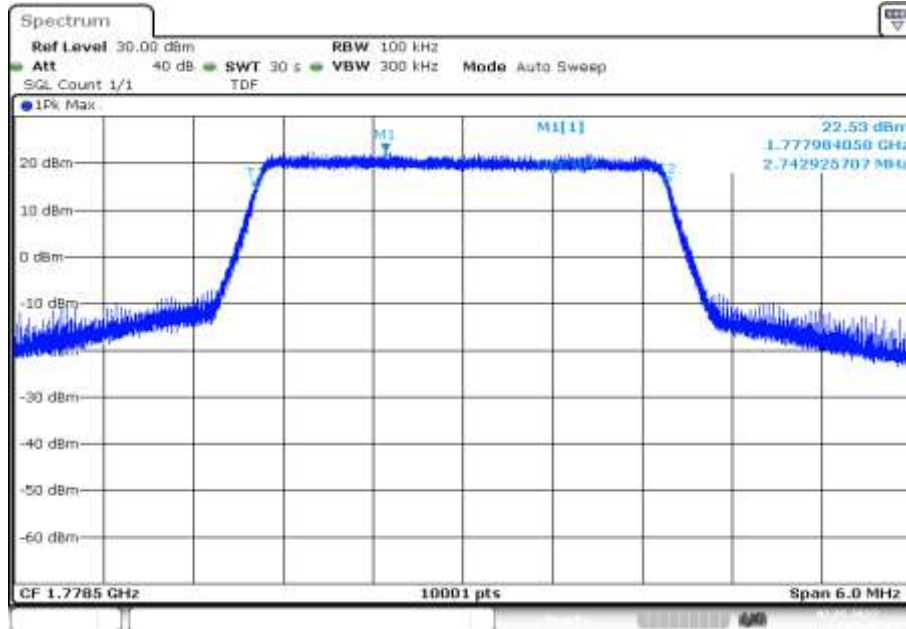
Date: 2.MAY.2022 17:47:37

**Plot 10:** 3 MHz – QPSK - middle channel (-26 dBc BW)



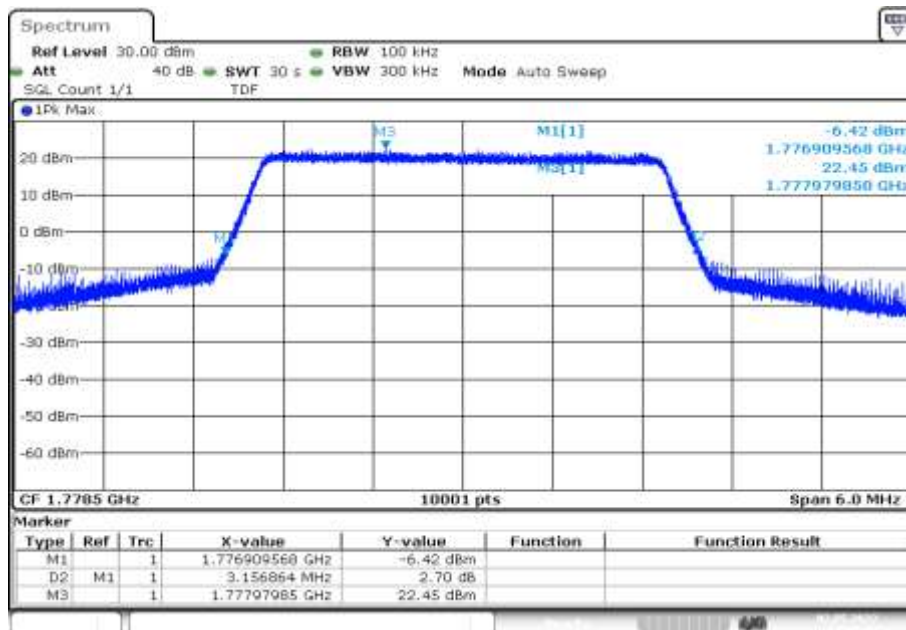
Date: 2.MAY.2022 17:48:10

**Plot 11:** 3 MHz – QPSK - highest channel (99% - OBW)



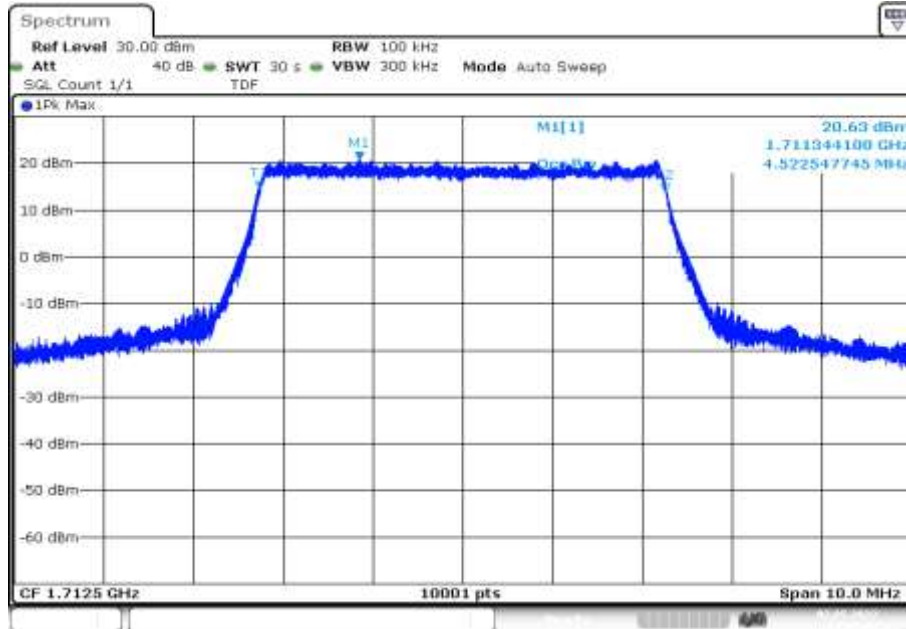
Date: 2.MAY.2022 17:54:29

**Plot 12:** 3 MHz – QPSK - highest channel (-26 dBc BW)



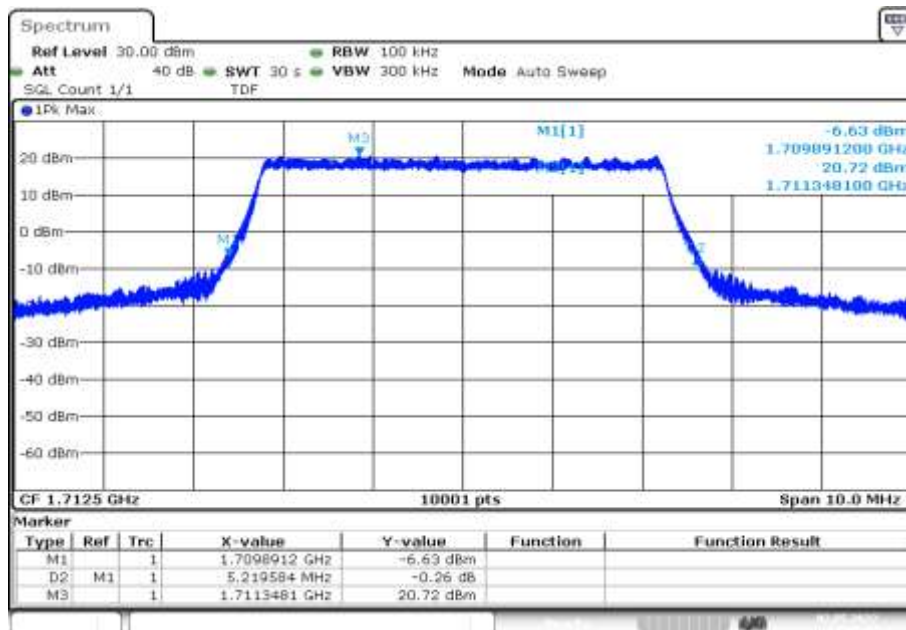
Date: 2.MAY.2022 17:55:02

**Plot 13:** 5 MHz – QPSK - lowest channel (99% - OBW)



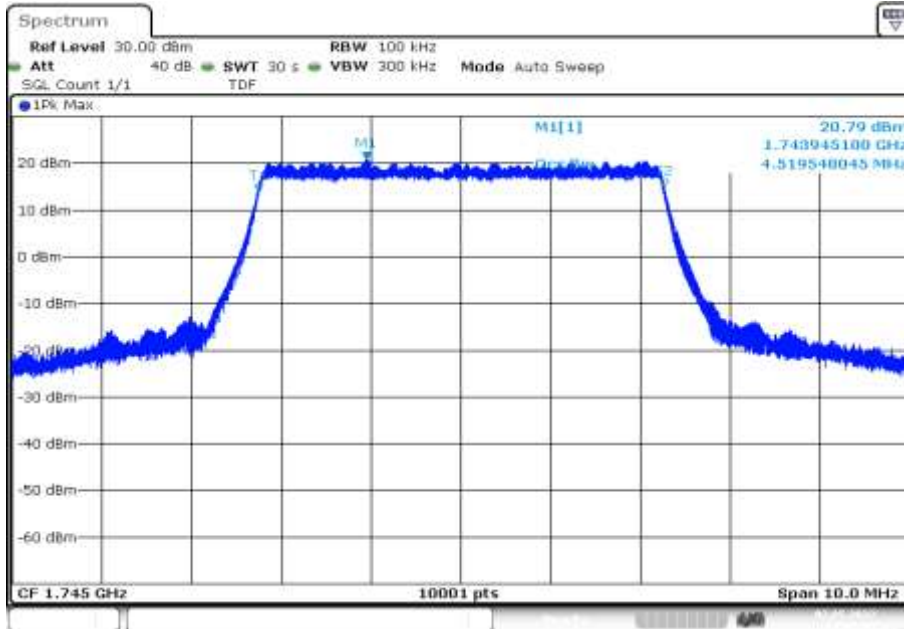
Date: 2.MAY.2022 18:02:04

**Plot 14:** 5 MHz – QPSK - lowest channel (-26 dBc BW)



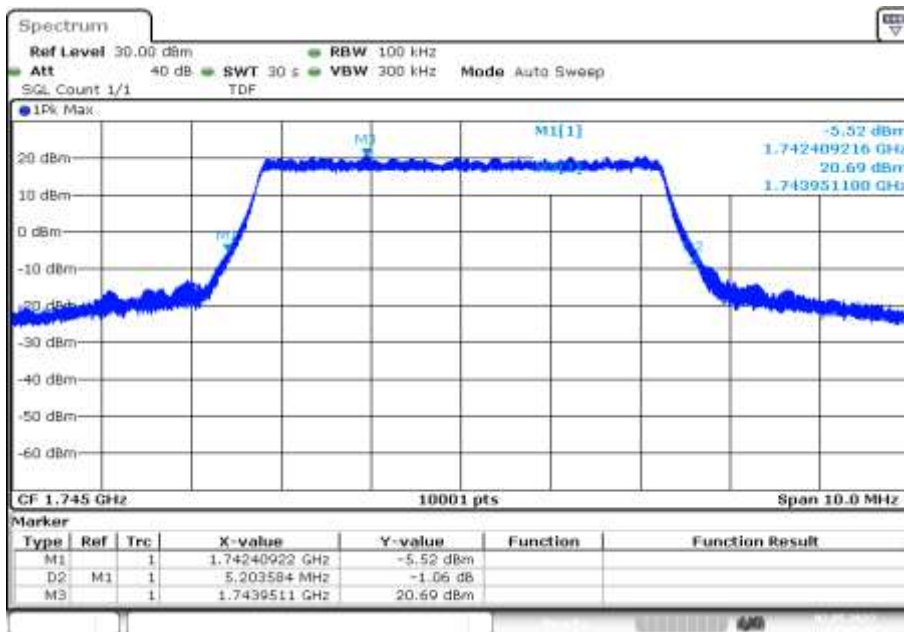
Date: 2.MAY.2022 18:02:37

**Plot 15:** 5 MHz – QPSK - middle channel (99% - OBW)



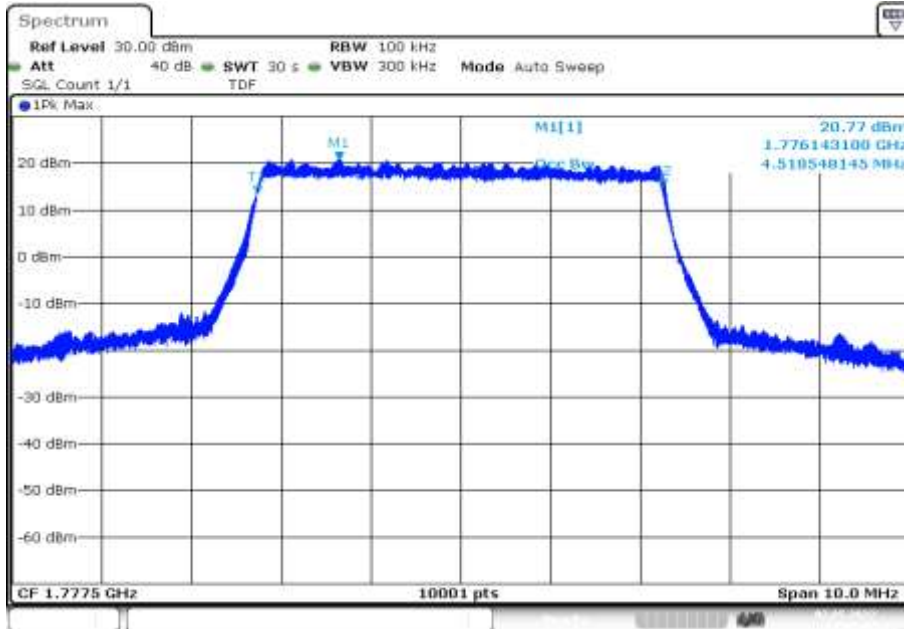
Date: 2.MAY.2022 18:08:56

**Plot 16:** 5 MHz – QPSK - middle channel (-26 dBc BW)



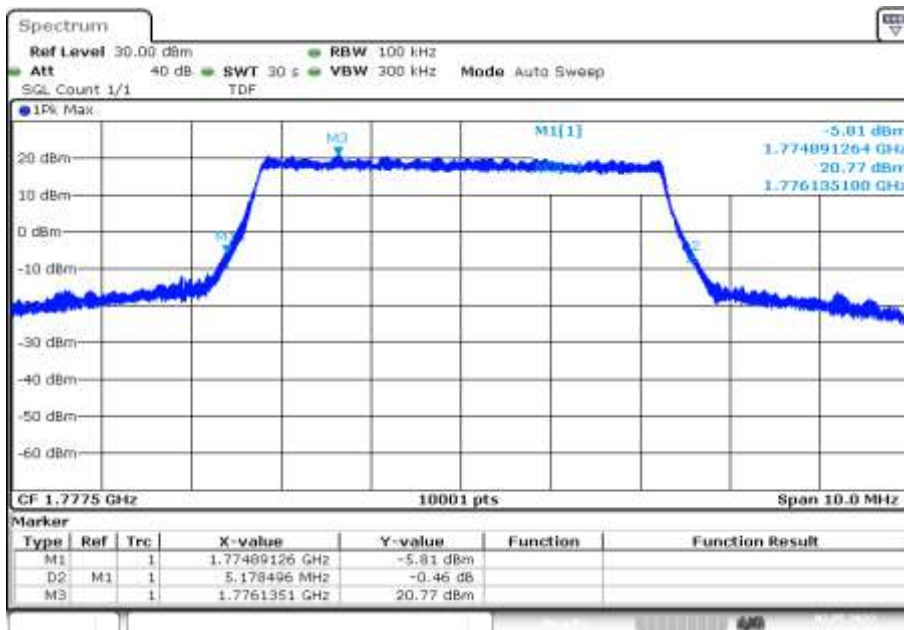
Date: 2.MAY.2022 18:09:29

**Plot 17:** 5 MHz – QPSK - highest channel (99% - OBW)



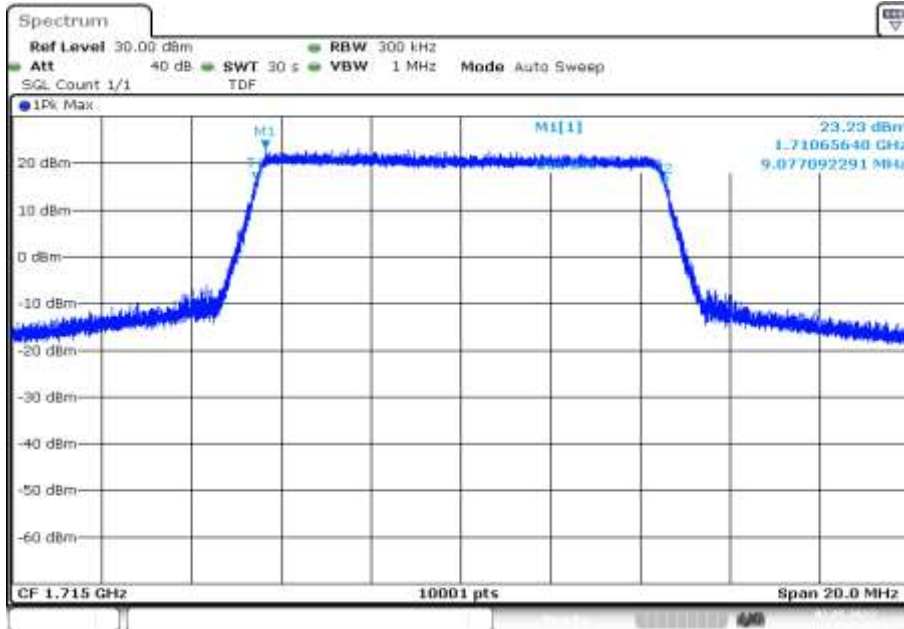
Date: 2.MAY.2022 18:15:47

**Plot 18:** 5 MHz – QPSK - highest channel (-26 dBc BW)



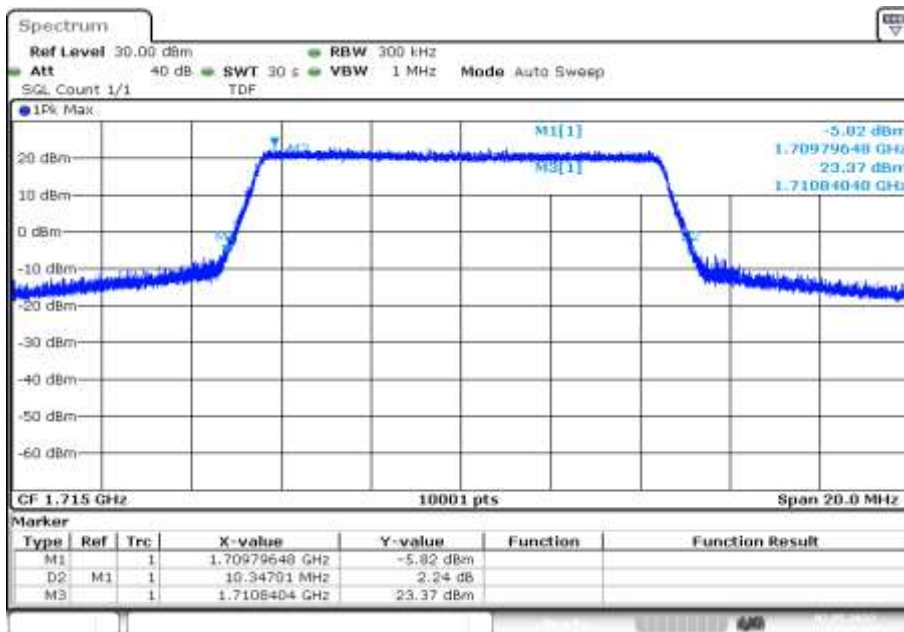
Date: 2.MAY.2022 18:16:21

**Plot 19:** 10 MHz – QPSK - lowest channel (99% - OBW)



Date: 2.MAY.2022 18:23:23

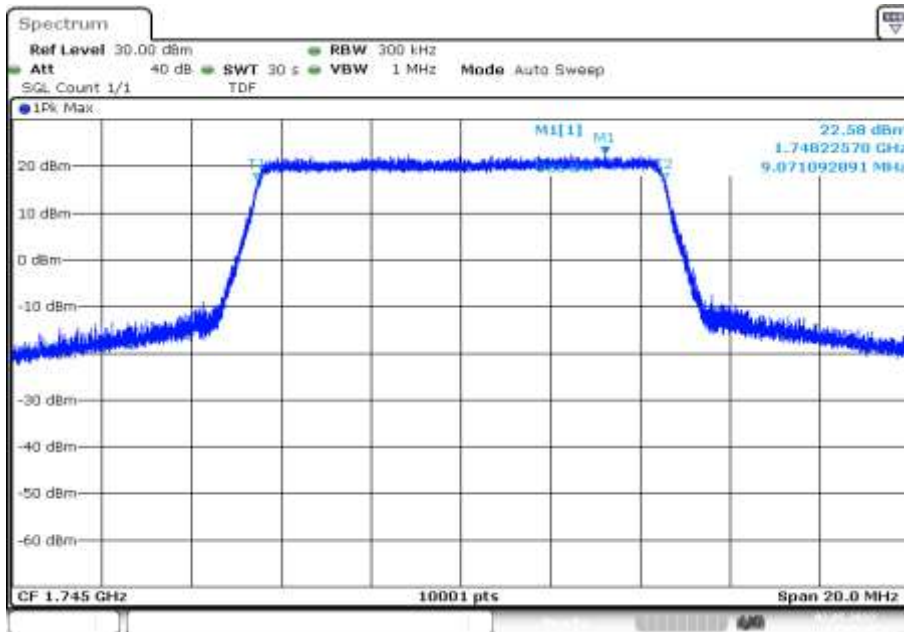
**Plot 20:** 10 MHz – QPSK - lowest channel (-26 dBc BW)



Date: 2.MAY.2022 18:23:56

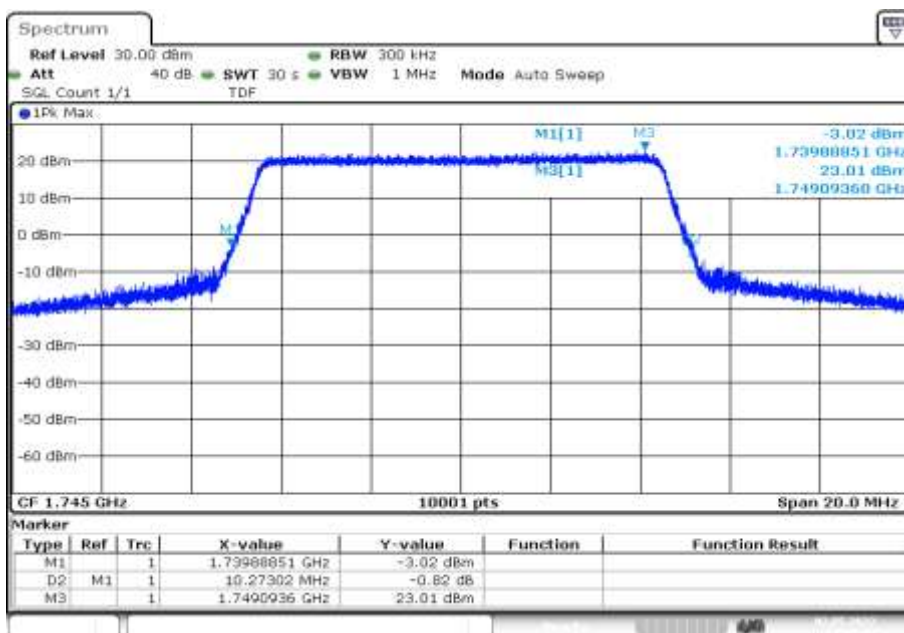


**Plot 21:** 10 MHz – QPSK - middle channel (99% - OBW)



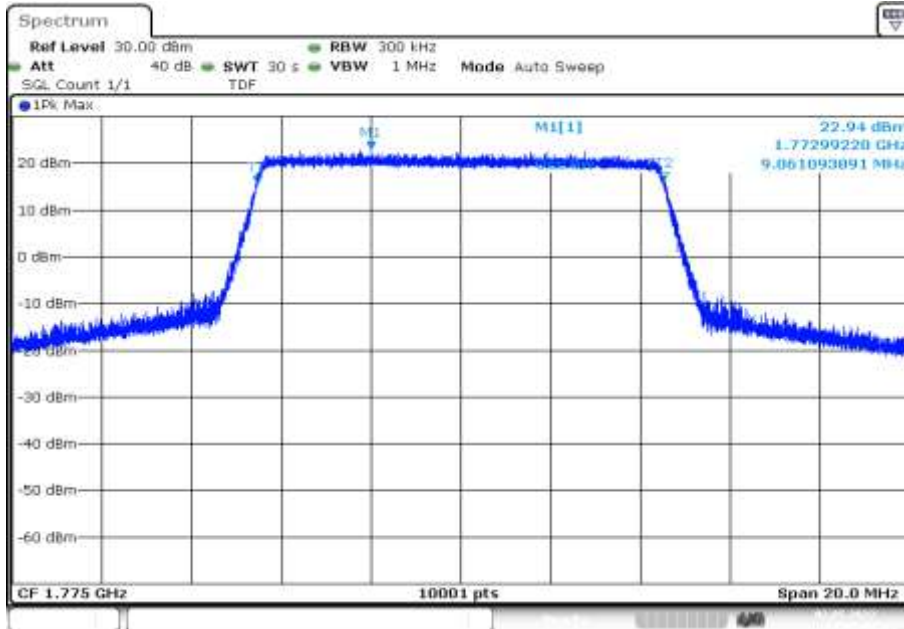
Date: 2.MAY.2022 18:30:16

**Plot 22:** 10 MHz – QPSK - middle channel (-26 dBc BW)



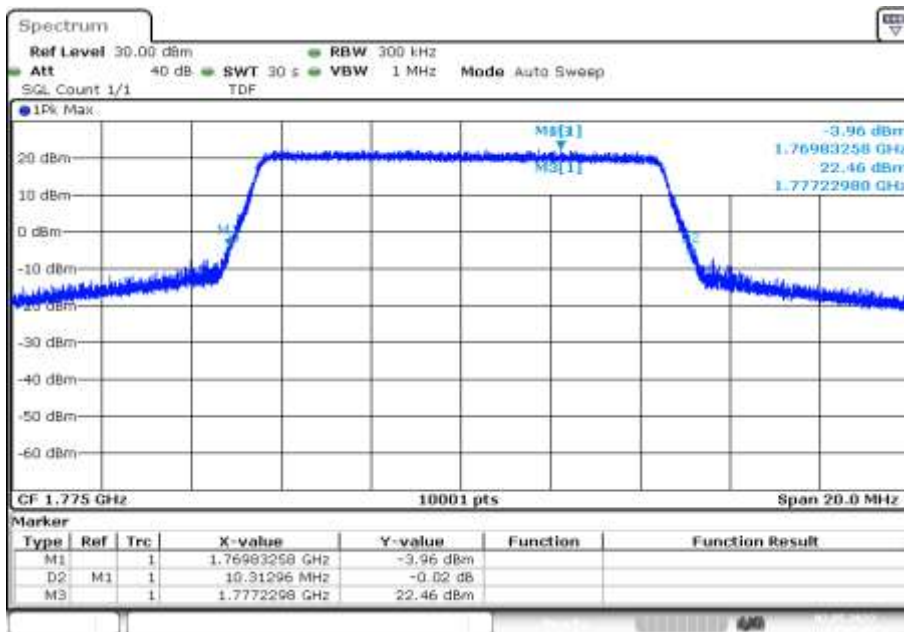
Date: 2.MAY.2022 18:30:50

**Plot 23:** 10 MHz – QPSK - highest channel (99% - OBW)



Date: 2.MAY.2022 18:37:10

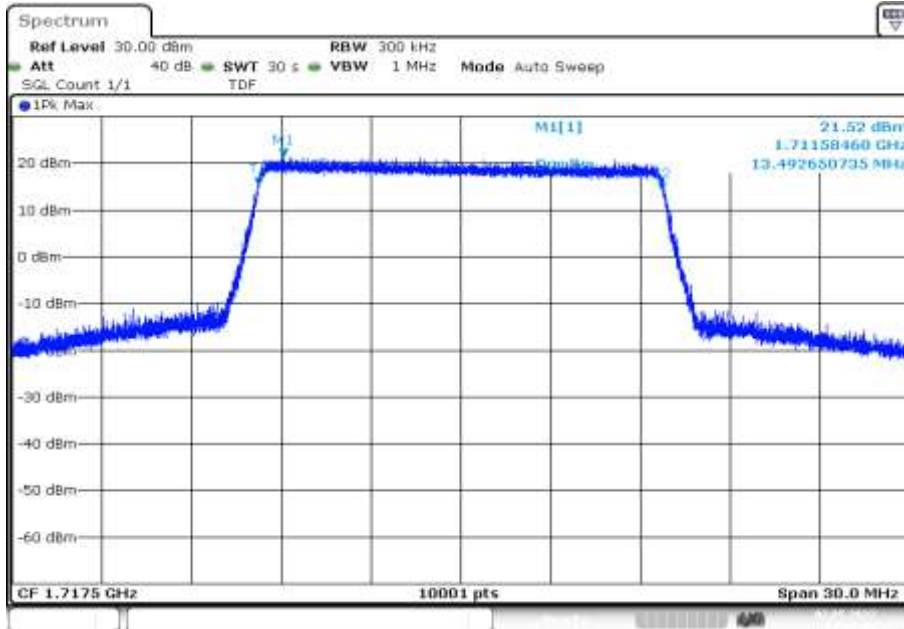
**Plot 24:** 10 MHz – QPSK - highest channel (-26 dBc BW)



Date: 2.MAY.2022 18:37:43

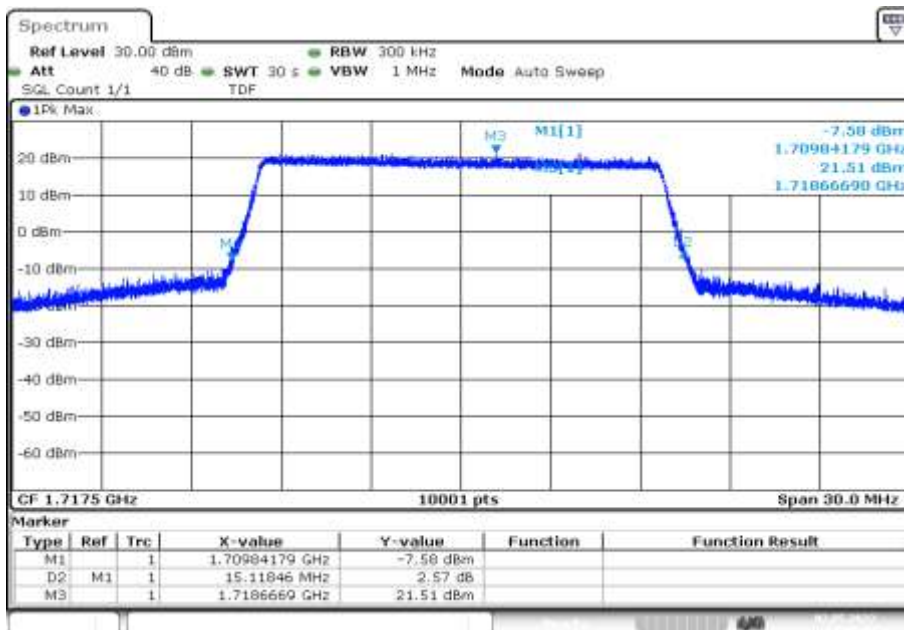


**Plot 25:** 15 MHz – QPSK - lowest channel (99% - OBW)



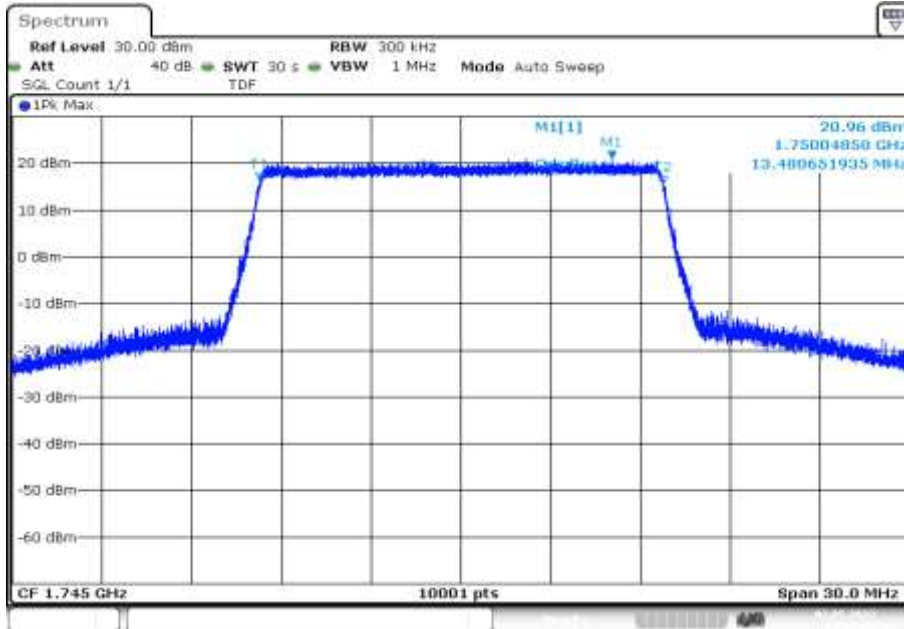
Date: 2.MAY.2022 18:44:46

**Plot 26:** 15 MHz – QPSK - lowest channel (-26 dBc BW)



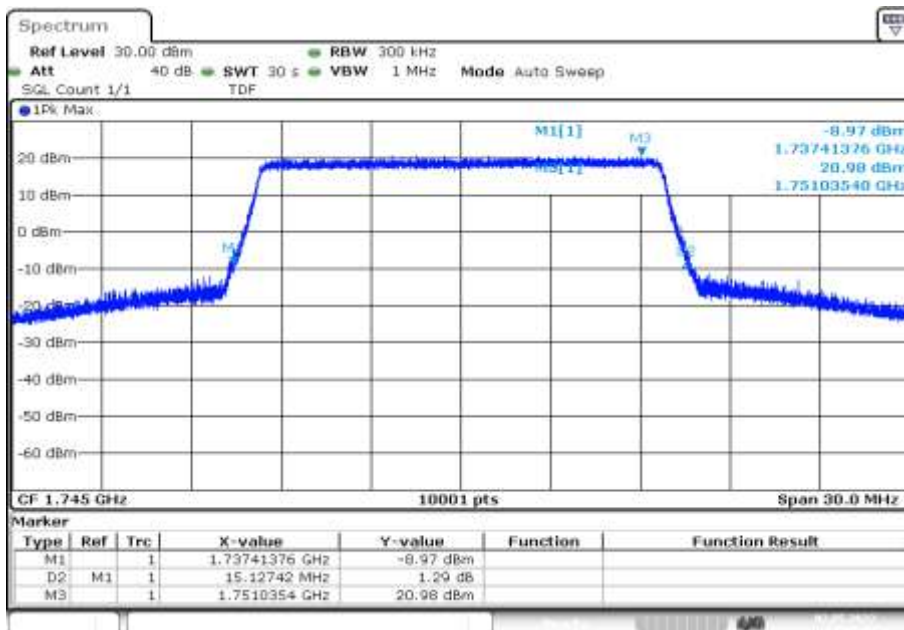
Date: 2.MAY.2022 18:45:20

**Plot 27:** 15 MHz – QPSK - middle channel (99% - OBW)



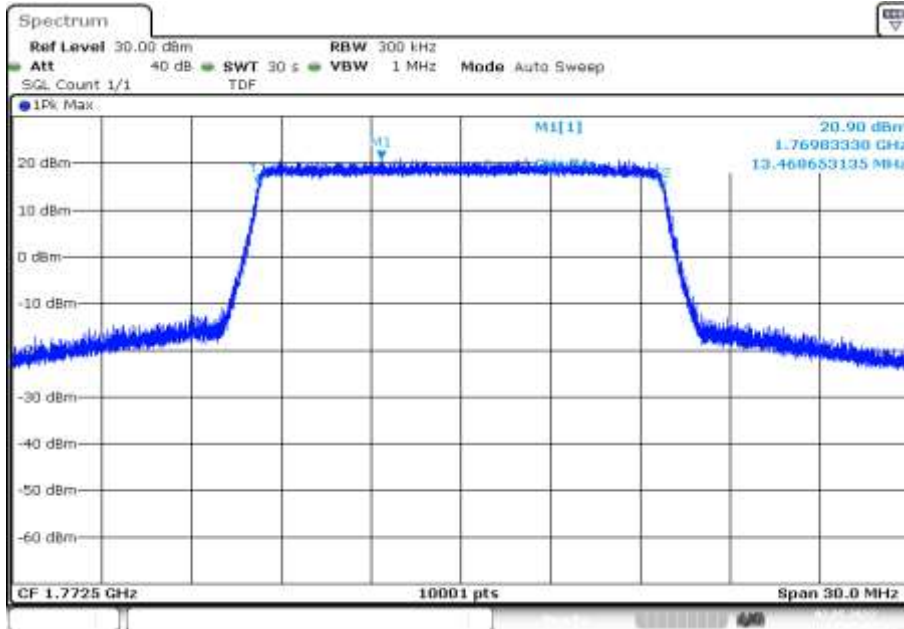
Date: 2.MAY.2022 18:51:40

**Plot 28:** 15 MHz – QPSK - middle channel (-26 dBc BW)



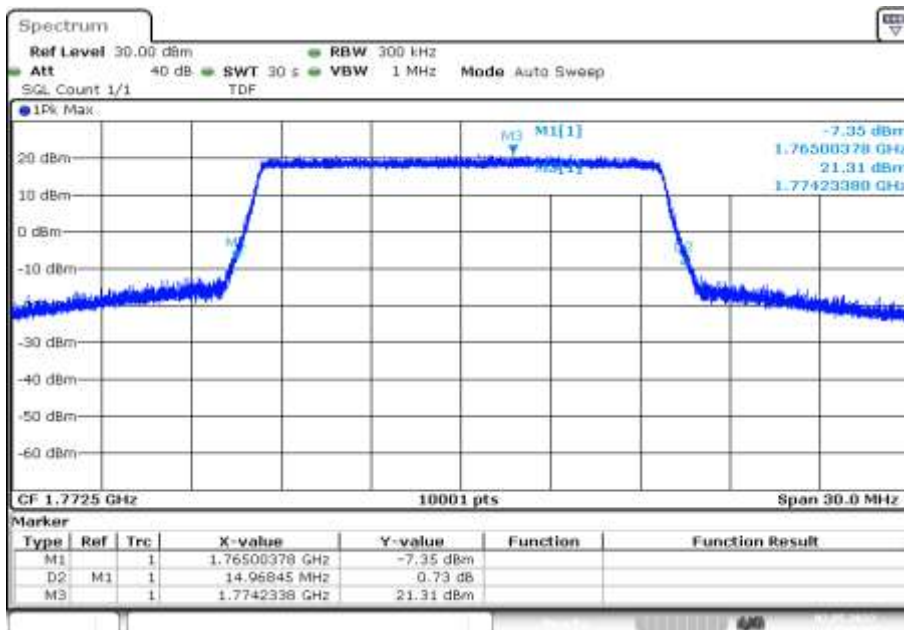
Date: 2.MAY.2022 18:52:13

**Plot 29:** 15 MHz – QPSK - highest channel (99% - OBW)



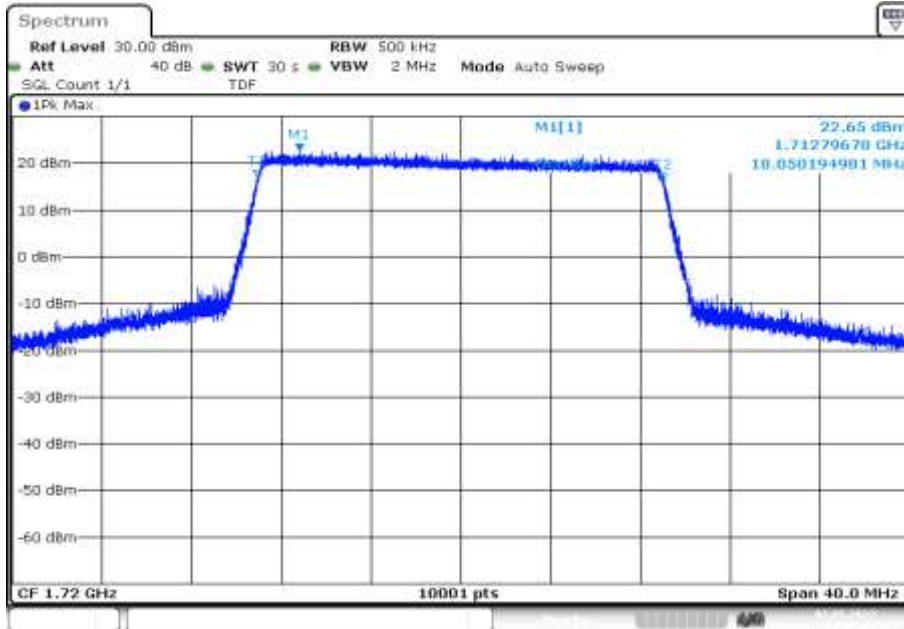
Date: 2.MAY.2022 18:58:33

**Plot 30:** 15 MHz – QPSK - highest channel (-26 dBc BW)



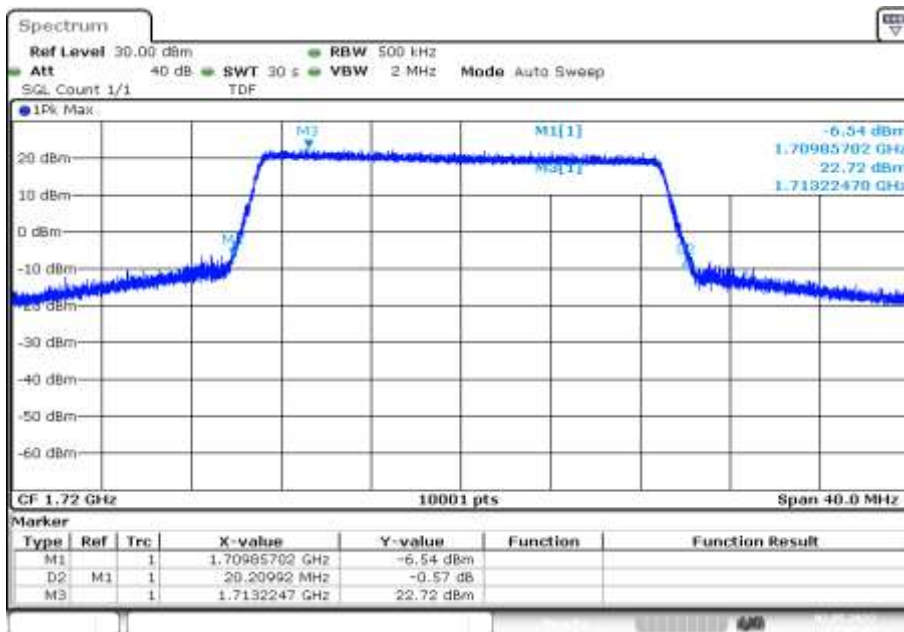
Date: 2.MAY.2022 18:59:06

**Plot 31:** 20 MHz – QPSK - lowest channel (99% - OBW)



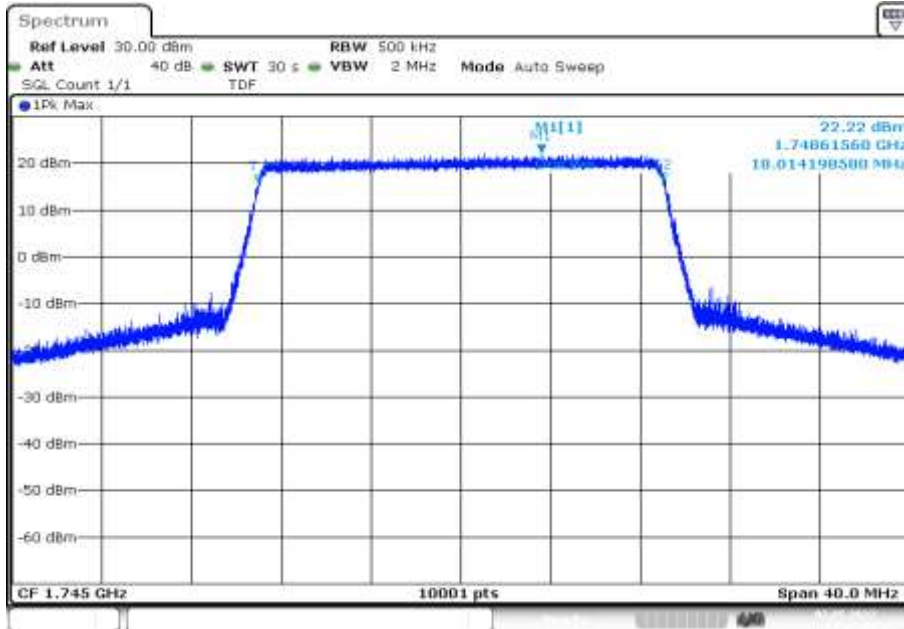
Date: 2.MAY.2022 19:06:09

**Plot 32:** 20 MHz – QPSK - lowest channel (-26 dBc BW)



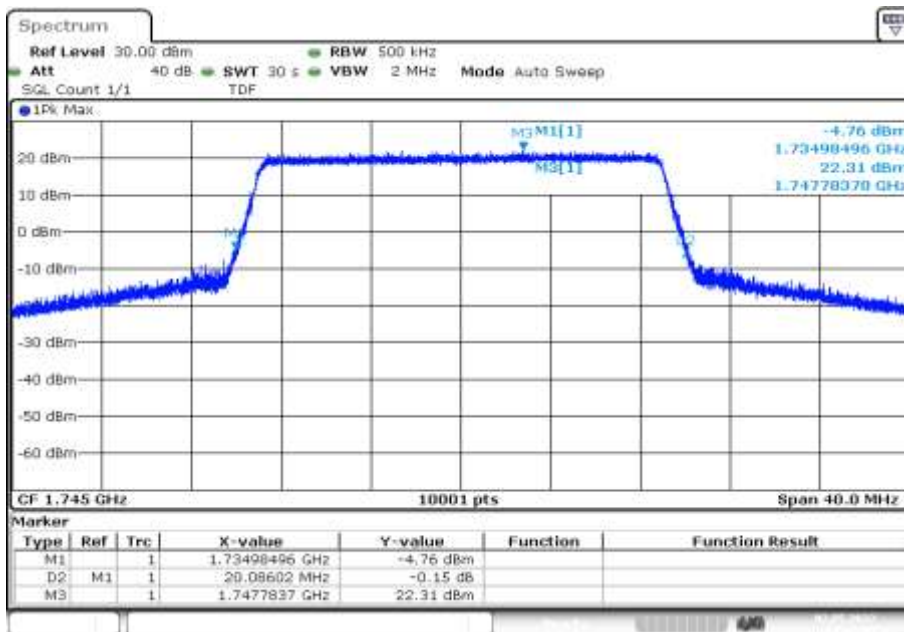
Date: 2.MAY.2022 19:06:42

**Plot 33:** 20 MHz – QPSK - middle channel (99% - OBW)



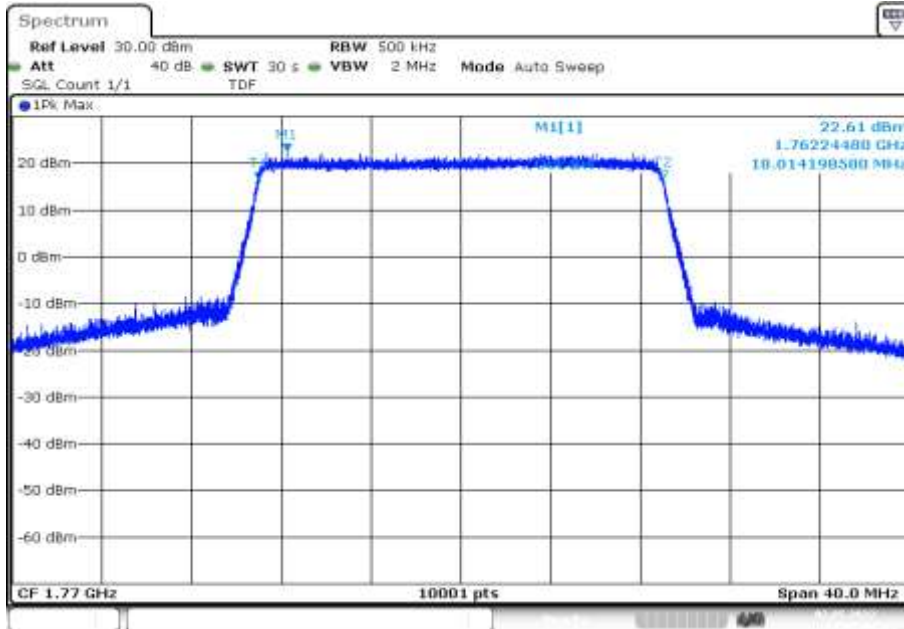
Date: 2.MAY.2022 19:13:02

**Plot 34:** 20 MHz – QPSK - middle channel (-26 dBc BW)



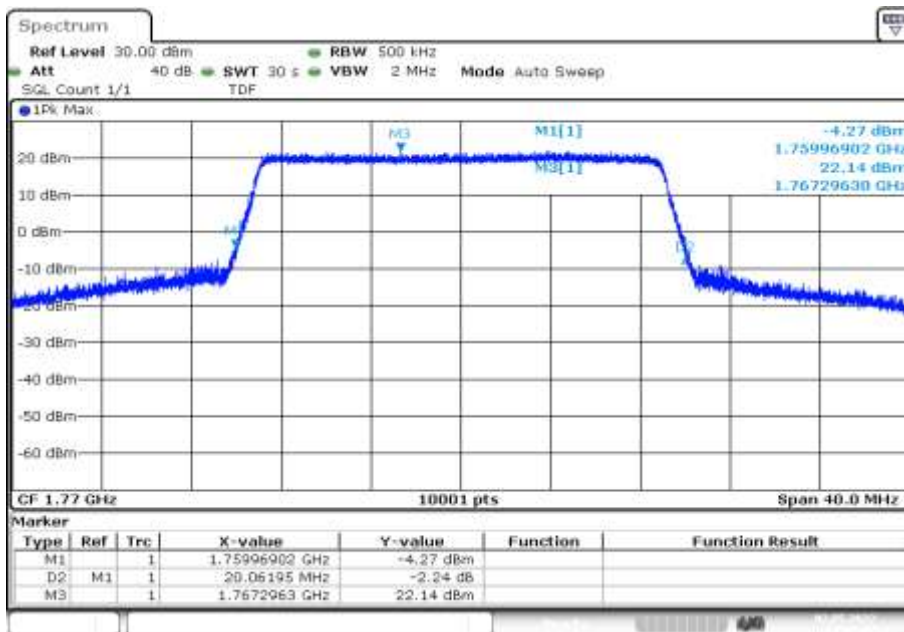
Date: 2.MAY.2022 19:13:36

**Plot 35:** 20 MHz – QPSK - highest channel (99% - OBW)



Date: 2.MAY.2022 19:19:54

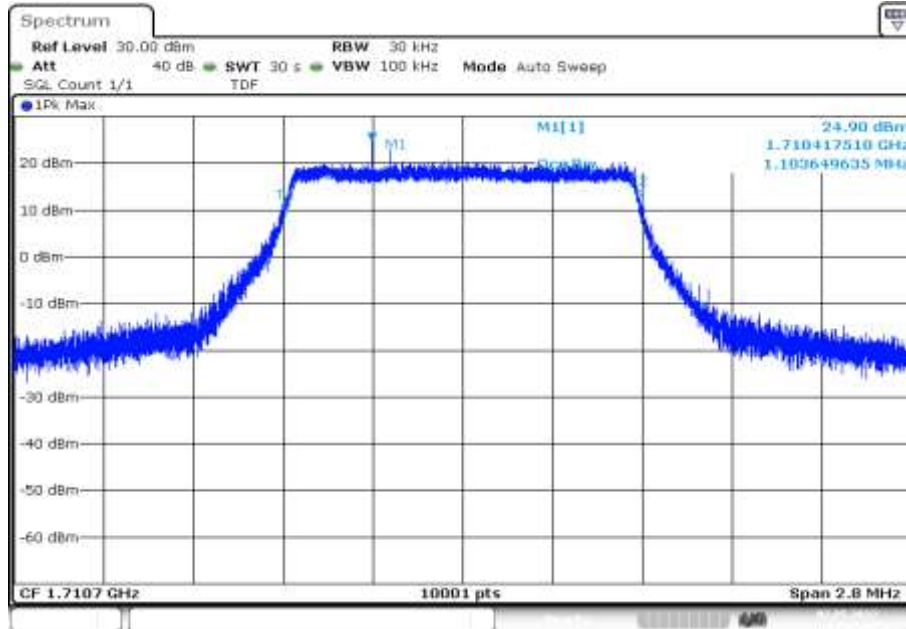
**Plot 36:** 20 MHz – QPSK - highest channel (-26 dBc BW)



Date: 2.MAY.2022 19:20:28

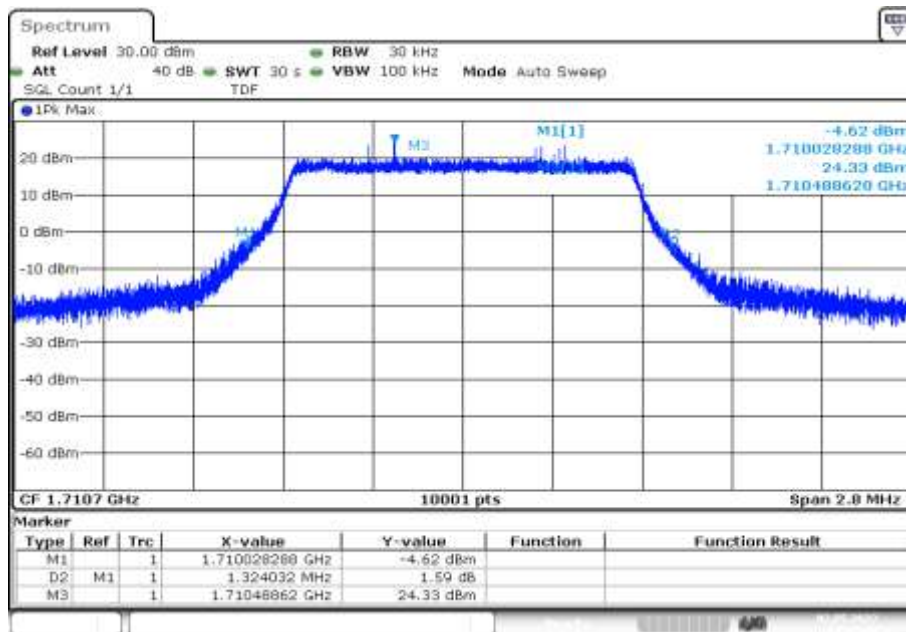


**Plot 37:** 1.4 MHz – 16-QAM - lowest channel (99% - OBW)



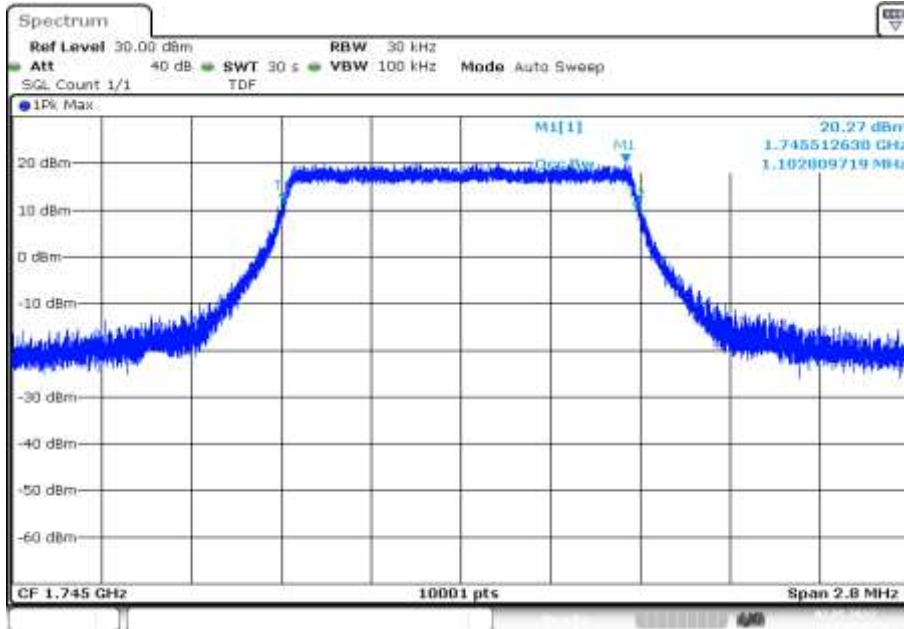
Date: 2.MAY.2022 17:23:07

**Plot 38:** 1.4 MHz – 16-QAM - lowest channel (-26 dBc BW)



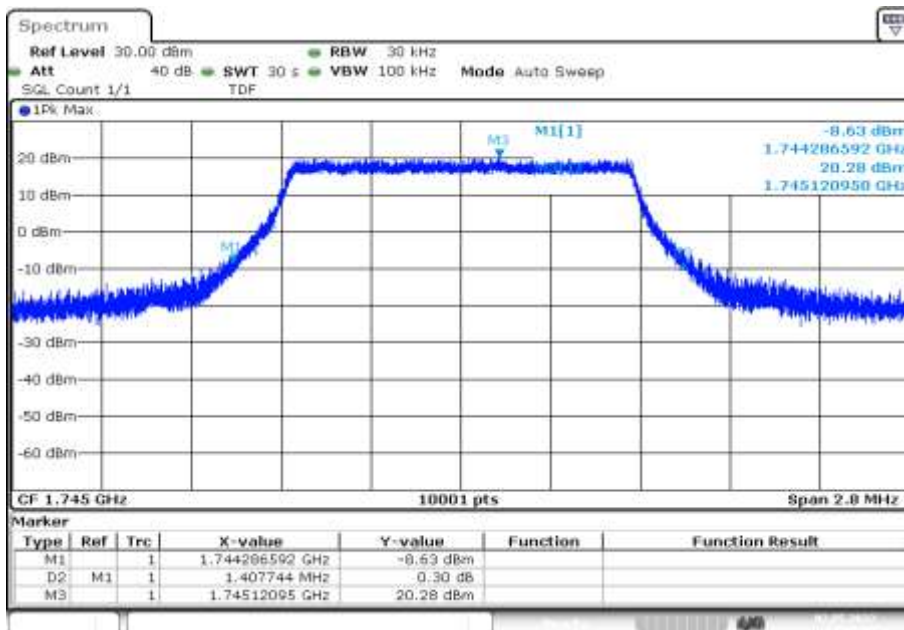
Date: 2.MAY.2022 17:23:40

**Plot 39:** 1.4 MHz – 16-QAM - middle channel (99% - OBW)



Date: 2.MAY.2022 17:29:26

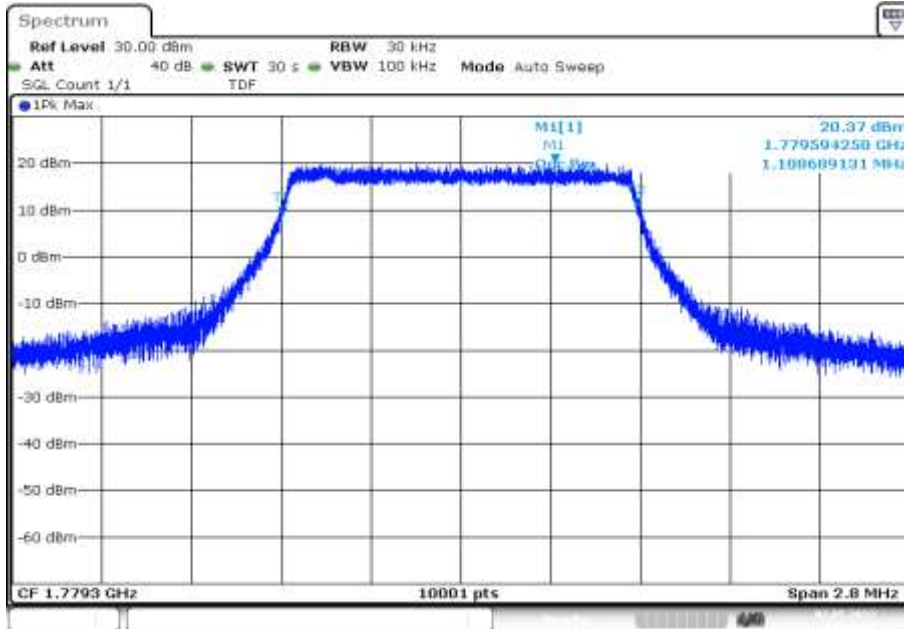
**Plot 40:** 1.4 MHz – 16-QAM - middle channel (-26 dBc BW)



Date: 2.MAY.2022 17:29:59

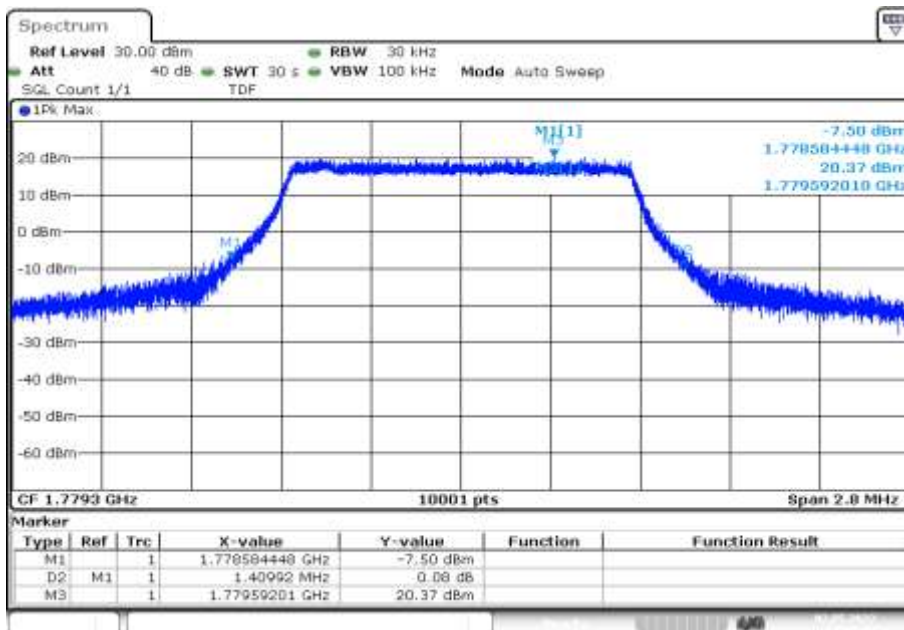


**Plot 41:** 1.4 MHz – 16-QAM - highest channel (99% - OBW)



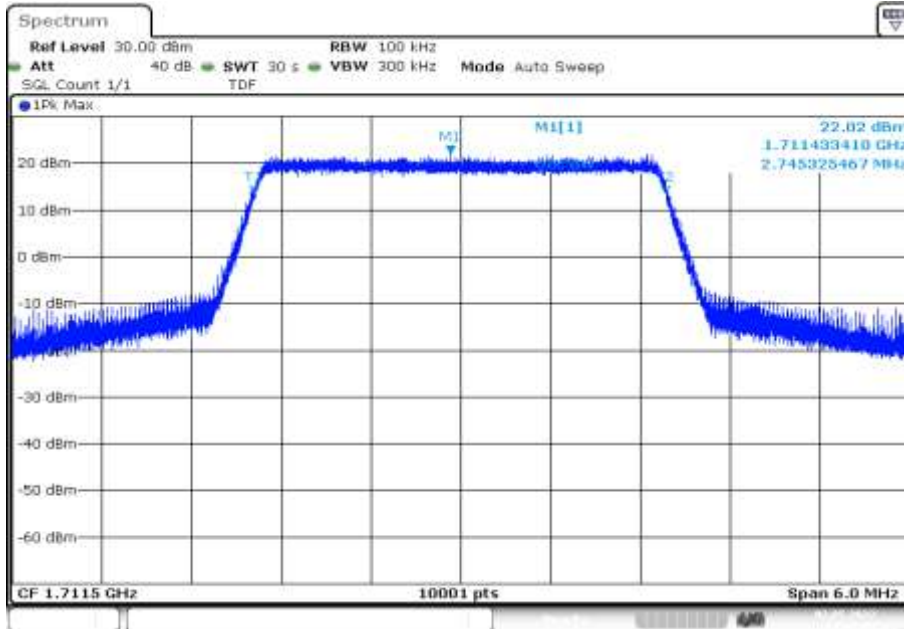
Date: 2.MAY.2022 17:36:51

**Plot 42:** 1.4 MHz – 16-QAM - highest channel (-26 dBc BW)



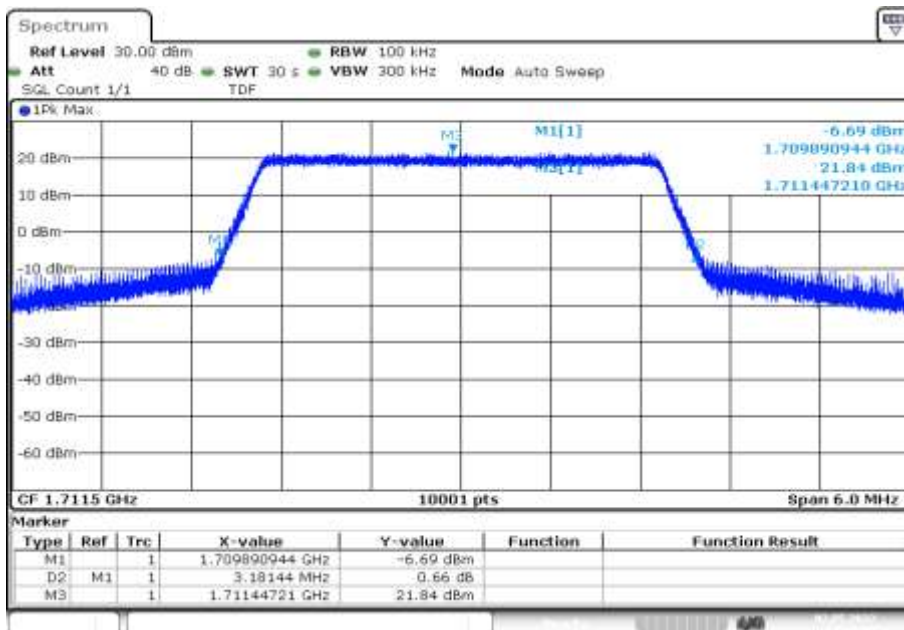
Date: 2.MAY.2022 17:37:24

**Plot 43:** 3 MHz – 16-QAM - lowest channel (99% - OBW)



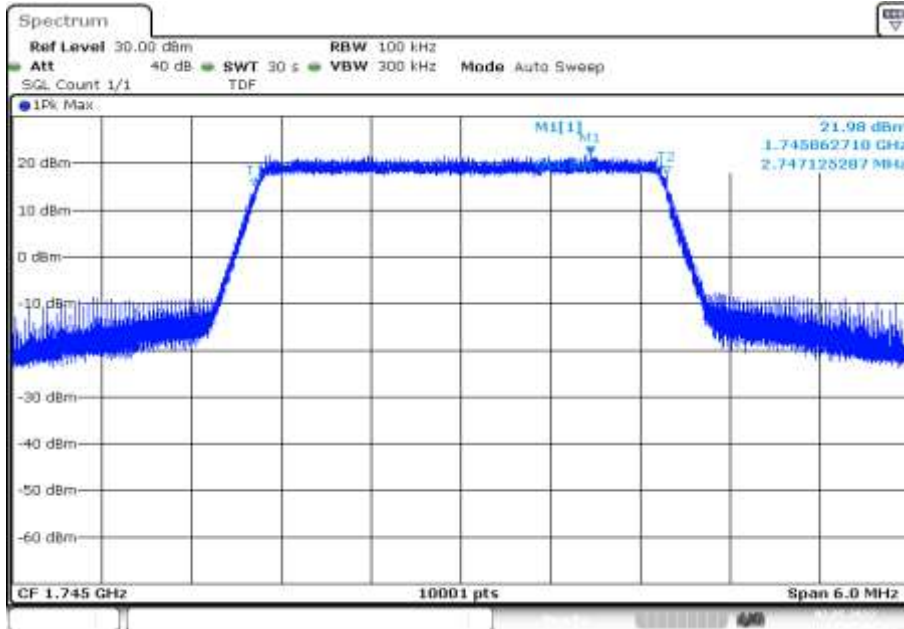
Date: 2.MAY.2022 17:44:26

**Plot 44:** 3 MHz – 16-QAM - lowest channel (-26 dBc BW)



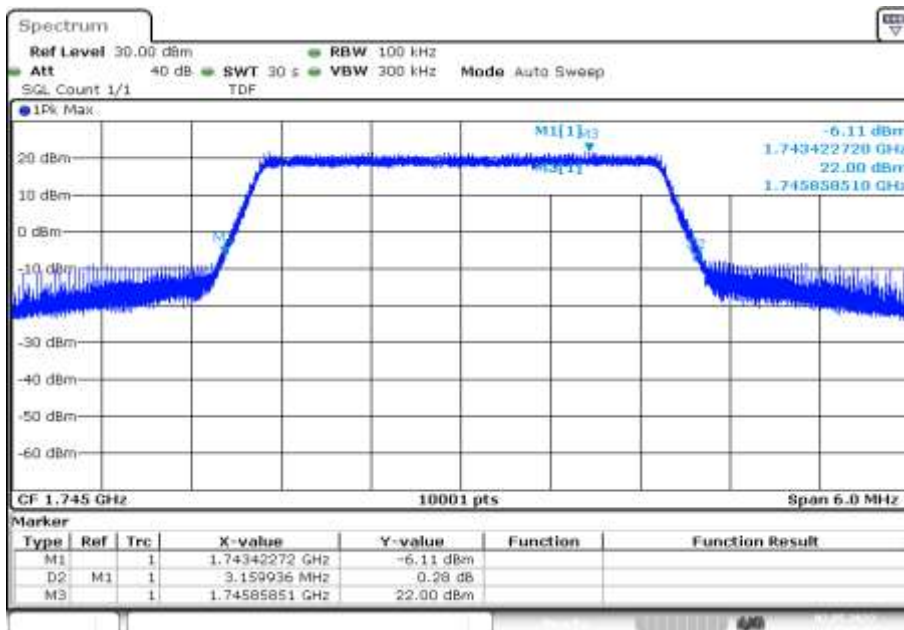
Date: 2.MAY.2022 17:44:59

**Plot 45:** 3 MHz – 16-QAM - middle channel (99% - OBW)



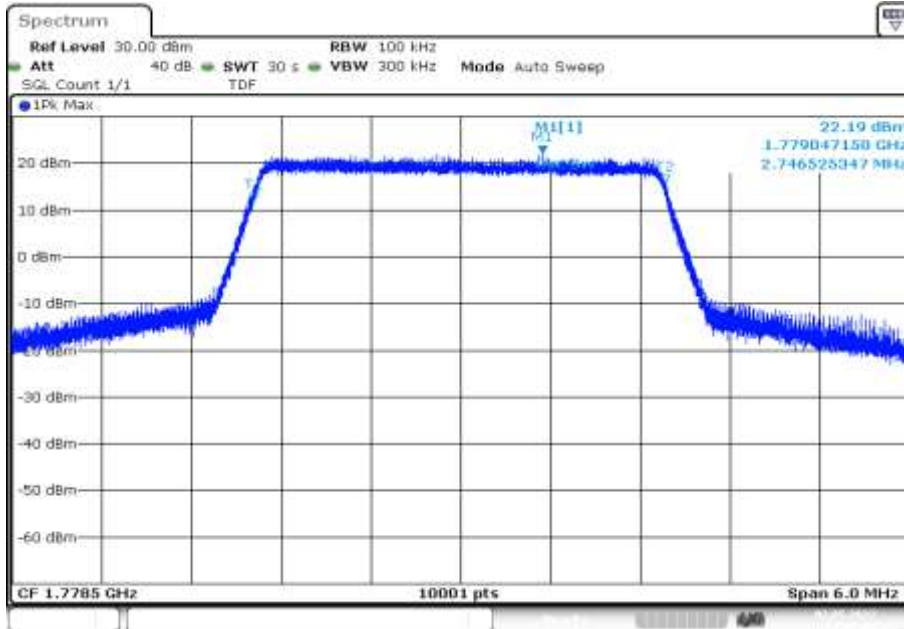
Date: 2.MAY.2022 17:50:45

**Plot 46:** 3 MHz – 16-QAM - middle channel (-26 dBc BW)



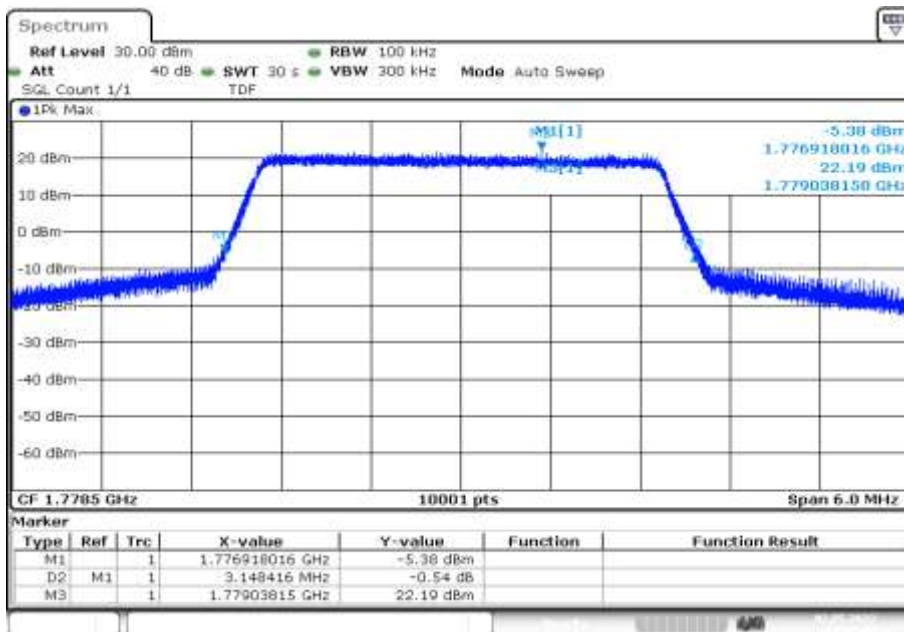
Date: 2.MAY.2022 17:51:18

**Plot 47:** 3 MHz – 16-QAM - highest channel (99% - OBW)



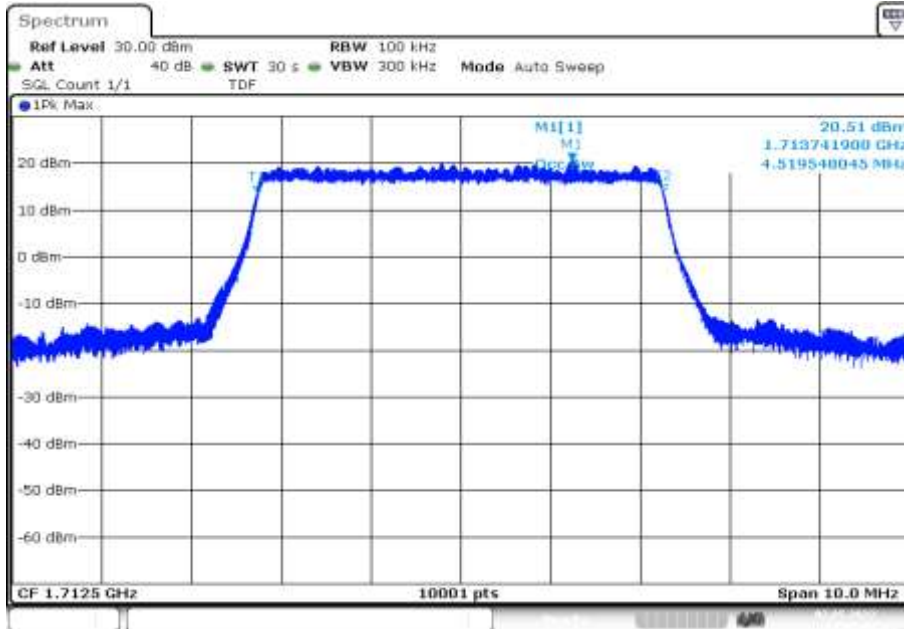
Date: 2.MAY.2022 17:58:09

**Plot 48:** 3 MHz – 16-QAM - highest channel (-26 dBc BW)



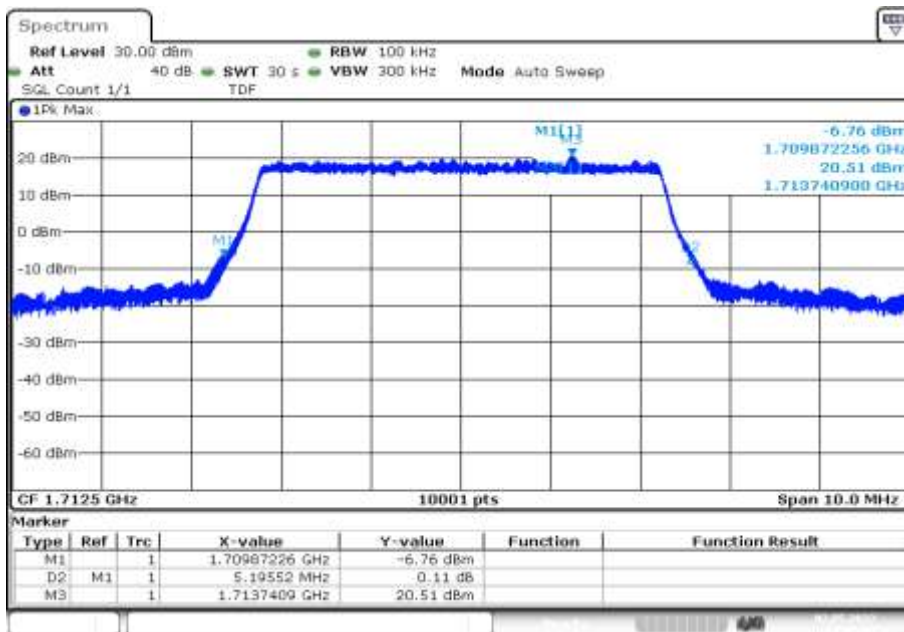
Date: 2.MAY.2022 17:58:42

**Plot 49:** 5 MHz – 16-QAM - lowest channel (99% - OBW)



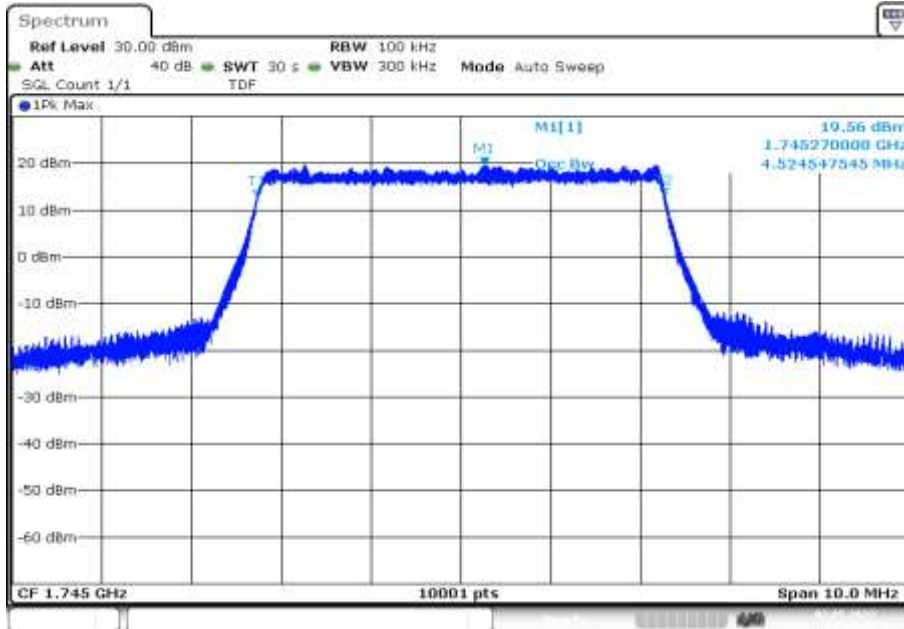
Date: 2.MAY.2022 18:05:45

**Plot 50:** 5 MHz – 16-QAM - lowest channel (-26 dBc BW)



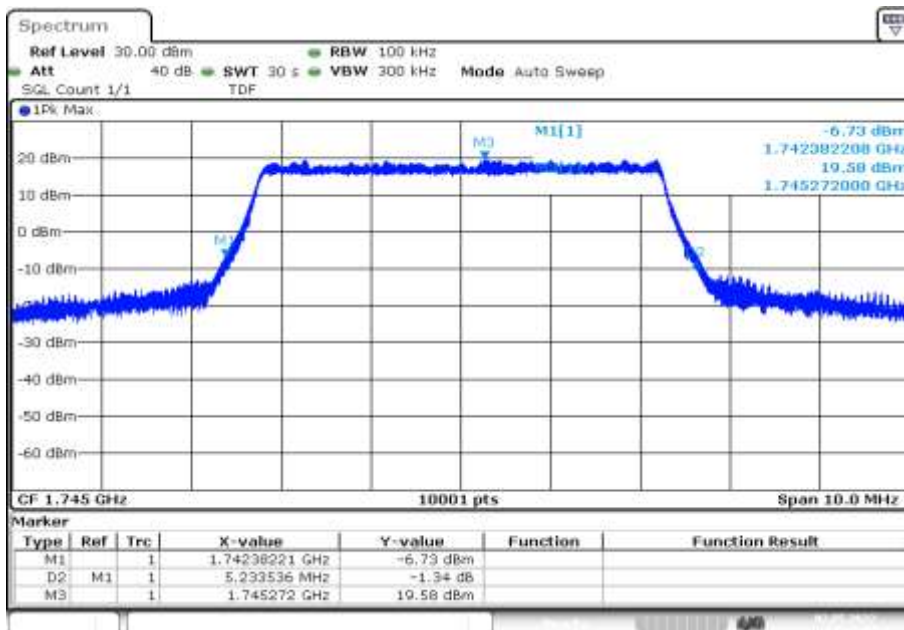
Date: 2.MAY.2022 18:06:18

**Plot 51:** 5 MHz – 16-QAM - middle channel (99% - OBW)



Date: 2.MAY.2022 18:12:04

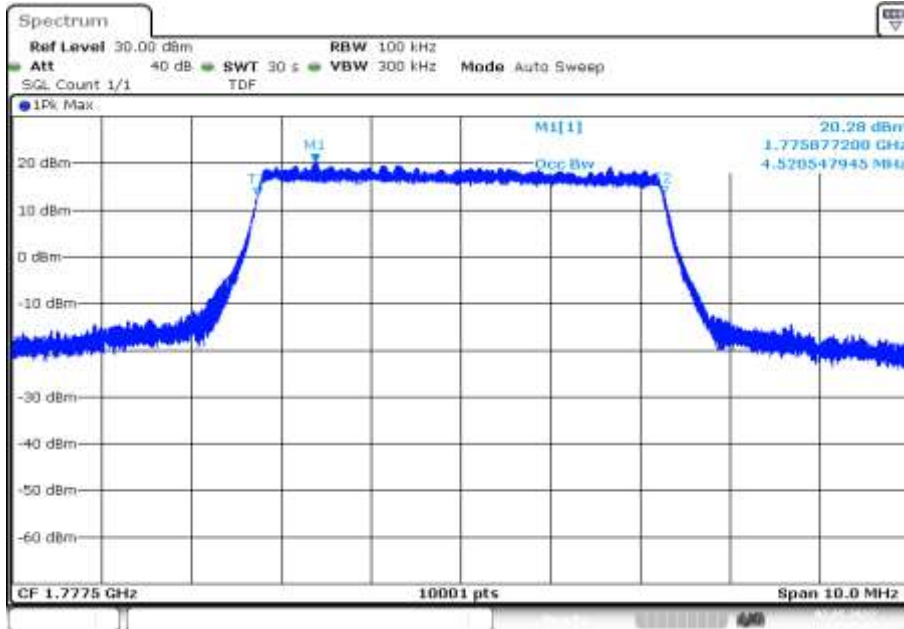
**Plot 52:** 5 MHz – 16-QAM - middle channel (-26 dBc BW)



Date: 2.MAY.2022 18:12:37

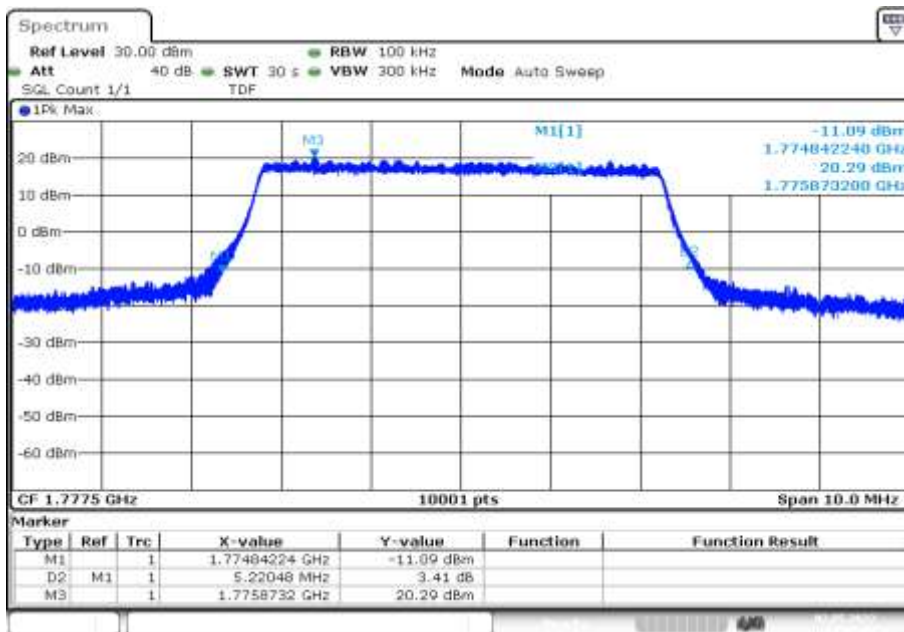


**Plot 53:** 5 MHz – 16-QAM - highest channel (99% - OBW)



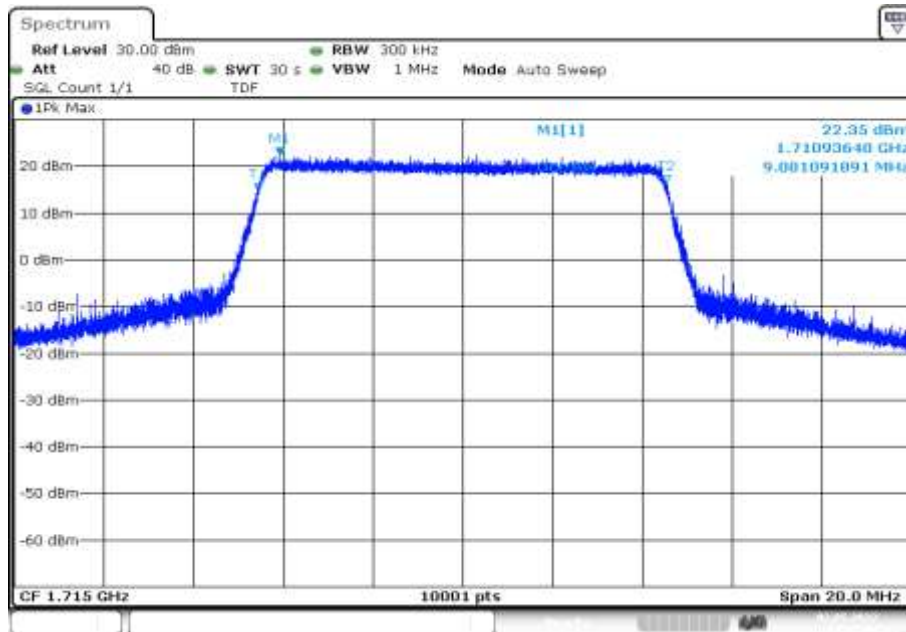
Date: 2.MAY.2022 18:19:28

**Plot 54:** 5 MHz – 16-QAM - highest channel (-26 dBc BW)



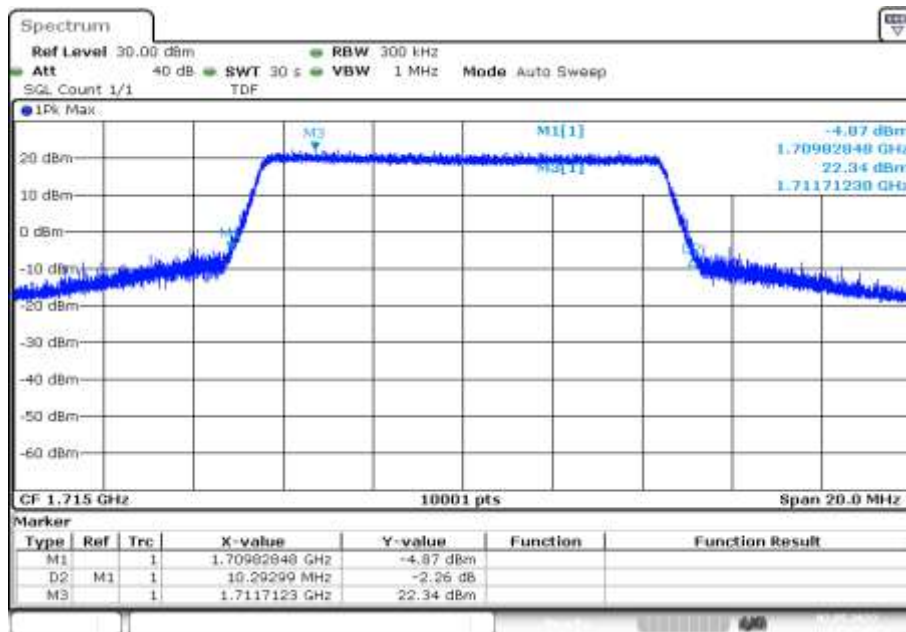
Date: 2.MAY.2022 18:20:01

**Plot 55:** 10 MHz – 16-QAM - lowest channel (99% - OBW)



Date: 2.MAY.2022 18:27:05

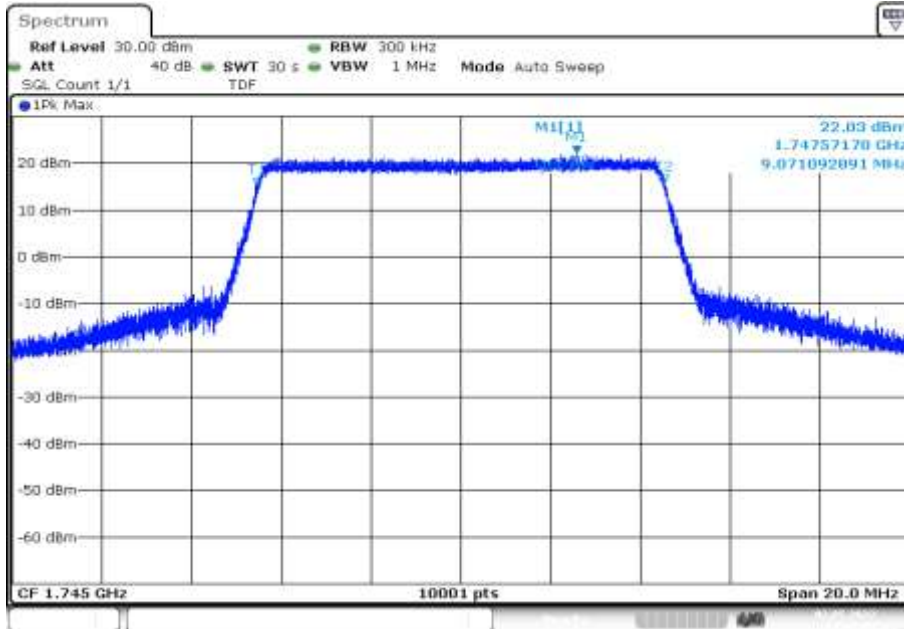
**Plot 56:** 10 MHz – 16-QAM - lowest channel (-26 dBc BW)



Date: 2.MAY.2022 18:27:38

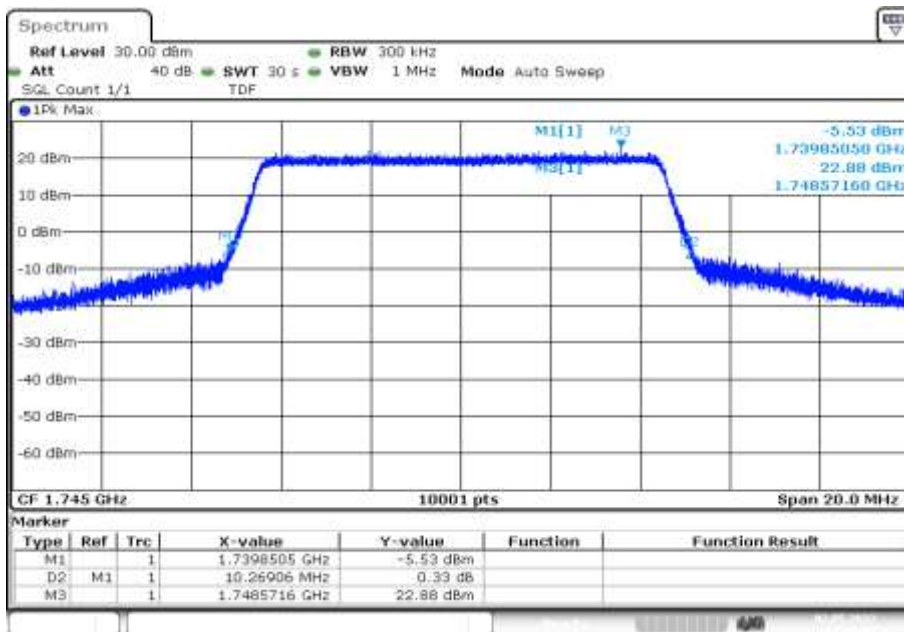


**Plot 57:** 10 MHz – 16-QAM - middle channel (99% - OBW)



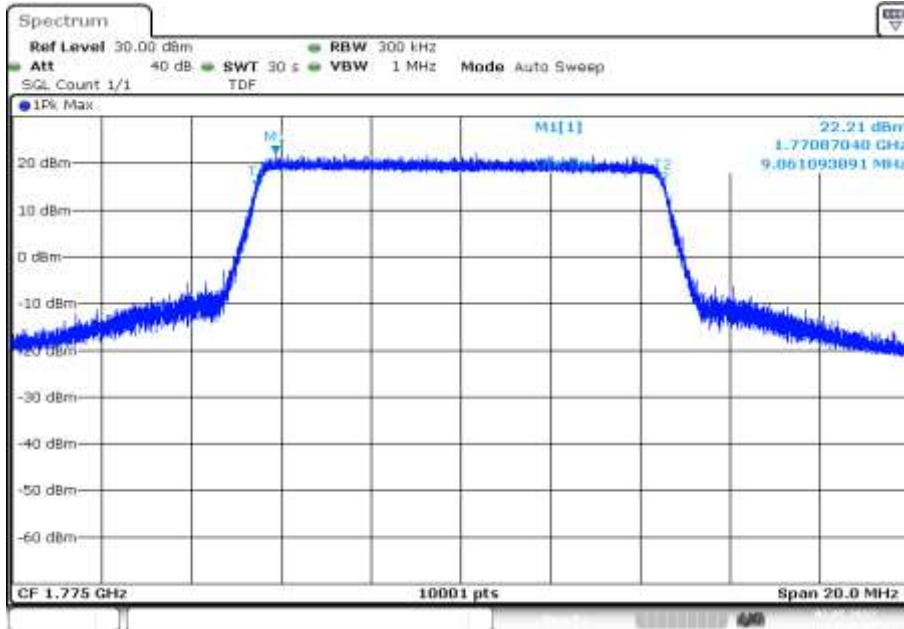
Date: 2.MAY.2022 18:33:25

**Plot 58:** 10 MHz – 16-QAM - middle channel (-26 dBc BW)



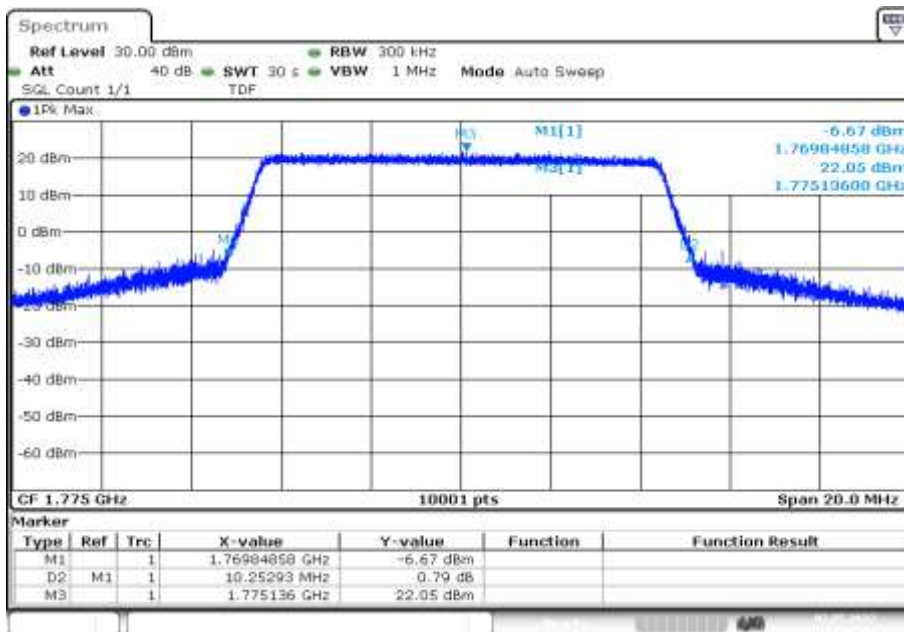
Date: 2.MAY.2022 18:33:59

**Plot 59:** 10 MHz – 16-QAM - highest channel (99% - OBW)



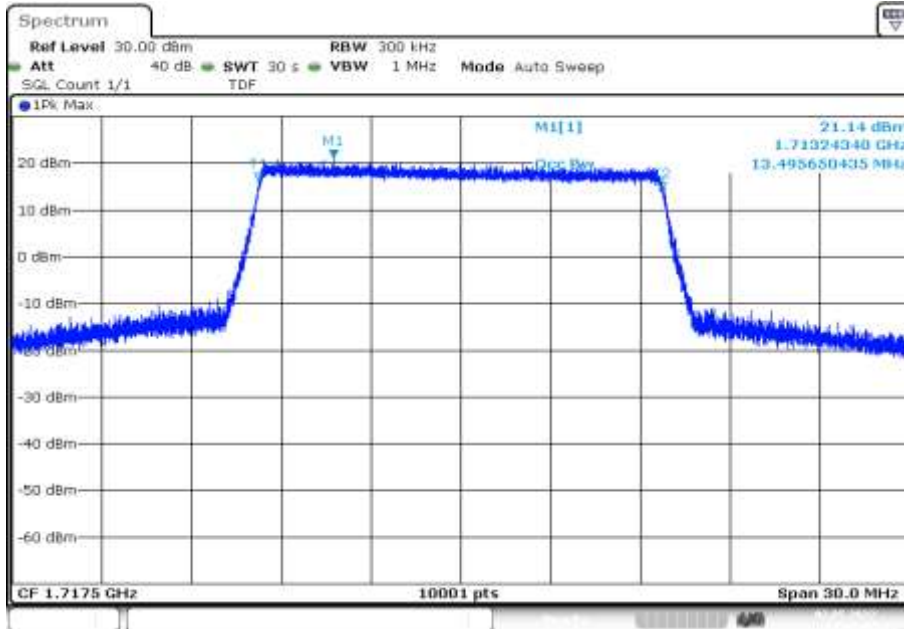
Date: 2.MAY.2022 18:40:51

**Plot 60:** 10 MHz – 16-QAM - highest channel (-26 dBc BW)



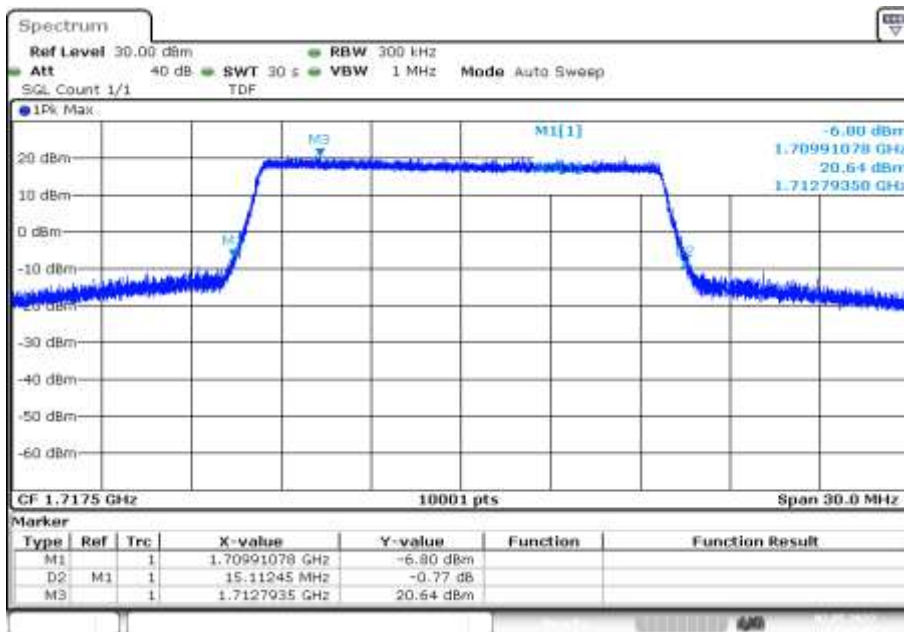
Date: 2.MAY.2022 18:41:25

**Plot 61:** 15 MHz – 16-QAM - lowest channel (99% - OBW)



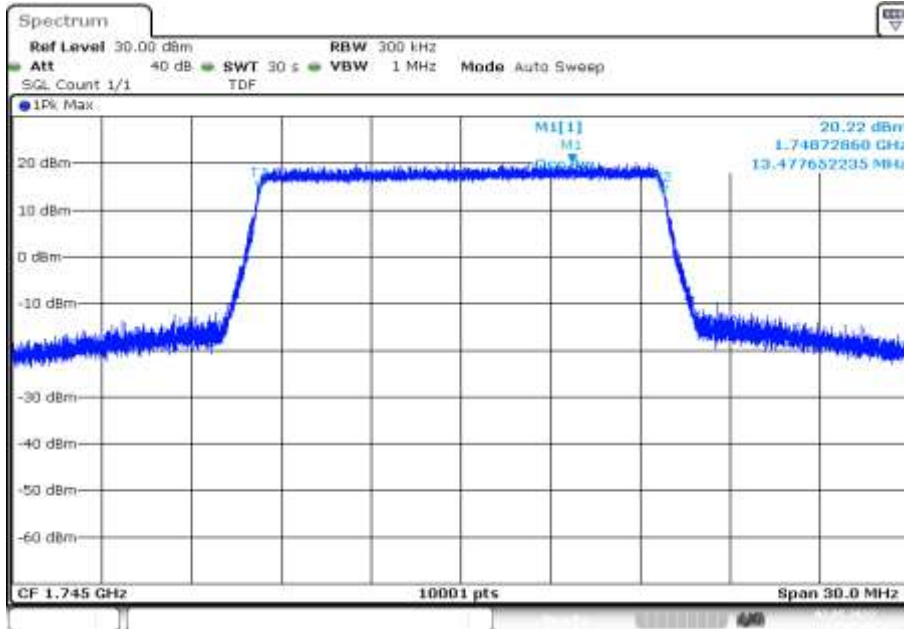
Date: 2.MAY.2022 18:48:28

**Plot 62:** 15 MHz – 16-QAM - lowest channel (-26 dBc BW)



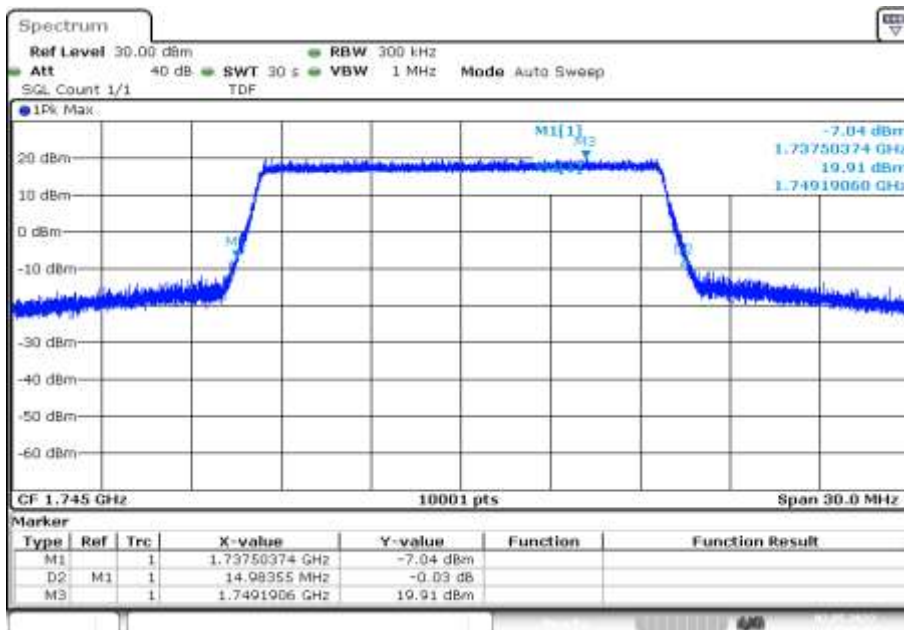
Date: 2.MAY.2022 18:49:02

**Plot 63:** 15 MHz – 16-QAM - middle channel (99% - OBW)



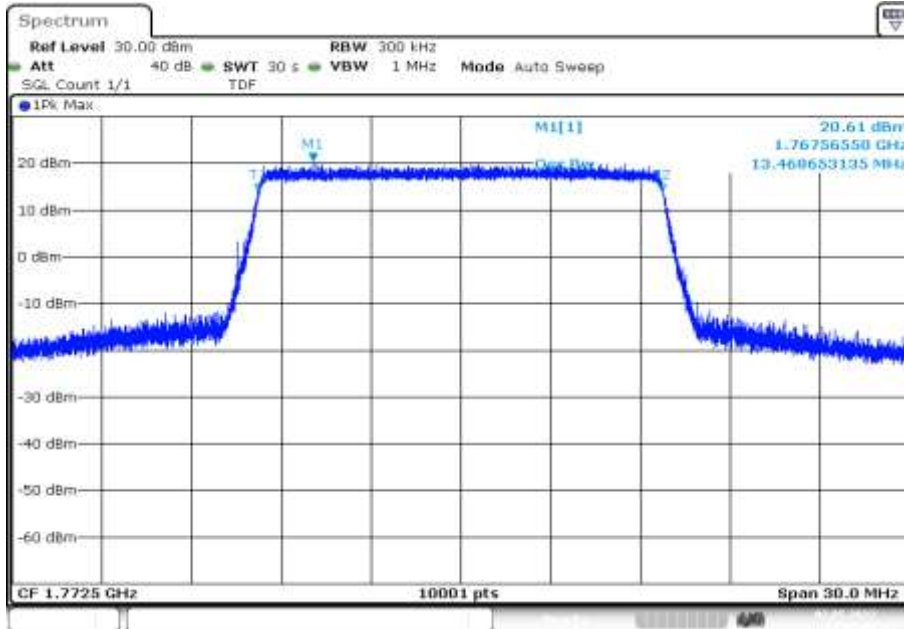
Date: 2.MAY.2022 18:54:48

**Plot 64:** 15 MHz – 16-QAM - middle channel (-26 dBc BW)



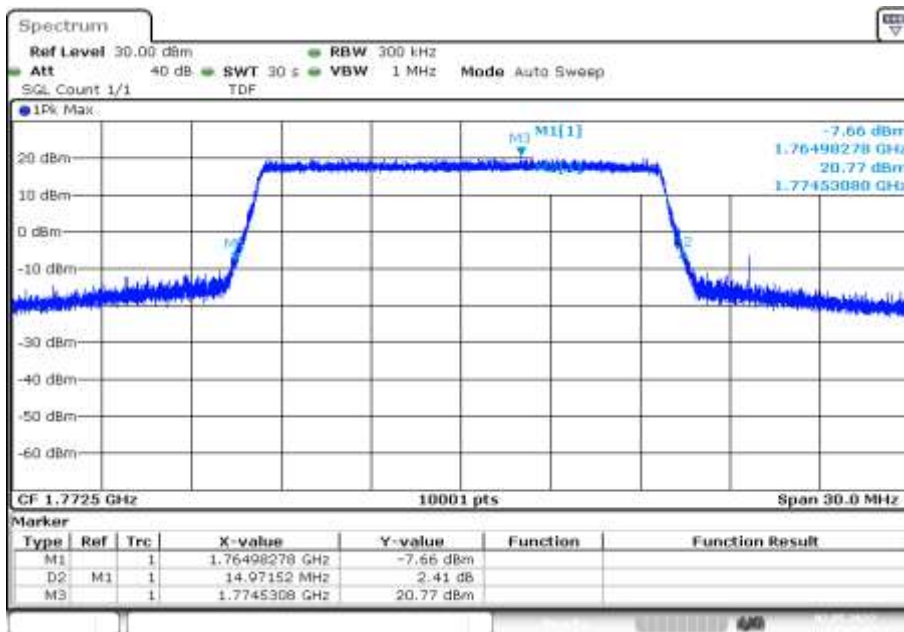
Date: 2.MAY.2022 18:55:22

**Plot 65:** 15 MHz – 16-QAM - highest channel (99% - OBW)



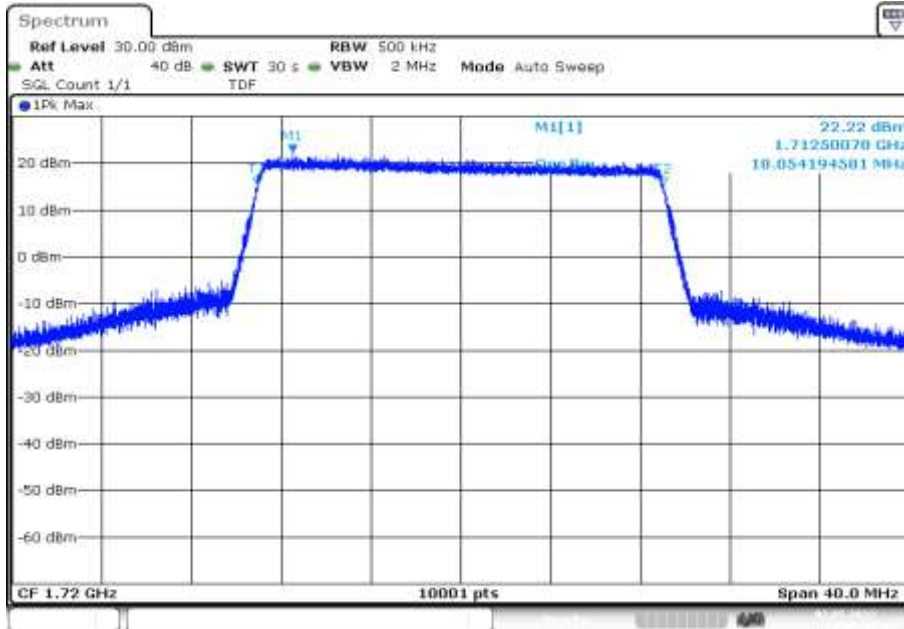
Date: 2.MAY.2022 19:02:14

**Plot 66:** 15 MHz – 16-QAM - highest channel (-26 dBc BW)



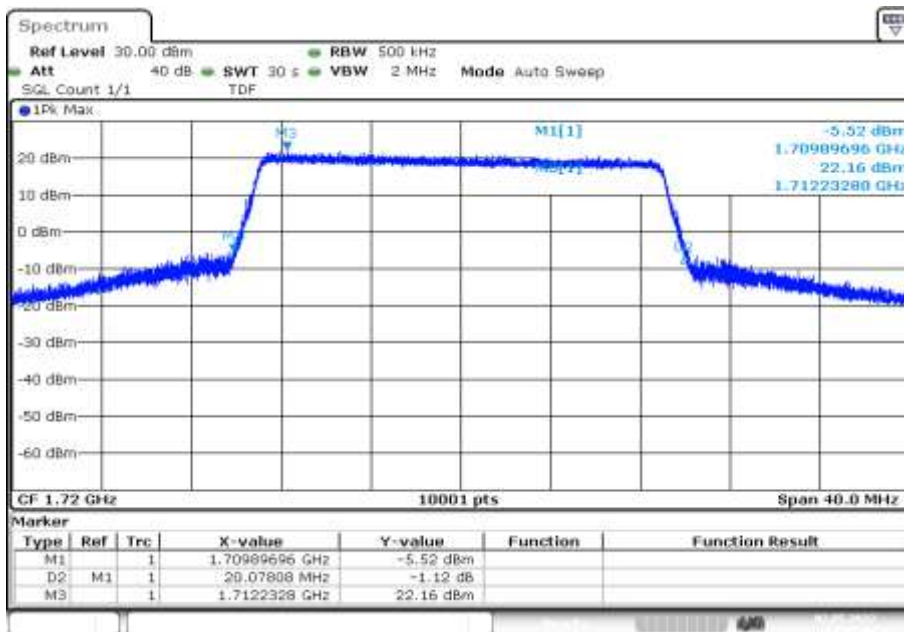
Date: 2.MAY.2022 19:02:47

**Plot 67:** 20 MHz – 16-QAM - lowest channel (99% - OBW)



Date: 2.MAY.2022 19:09:51

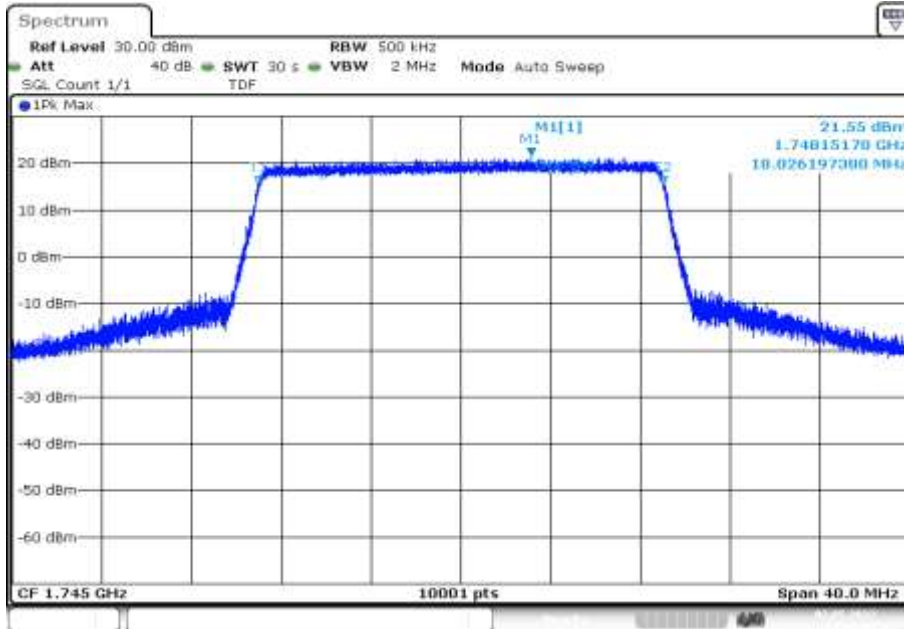
**Plot 68:** 20 MHz – 16-QAM - lowest channel (-26 dBc BW)



Date: 2.MAY.2022 19:10:24

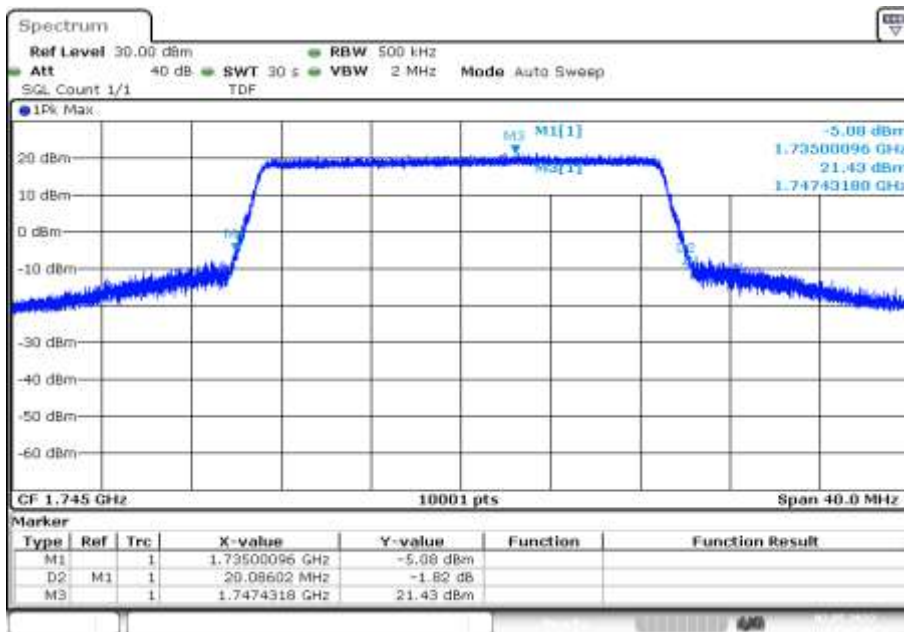


**Plot 69:** 20 MHz – 16-QAM - middle channel (99% - OBW)



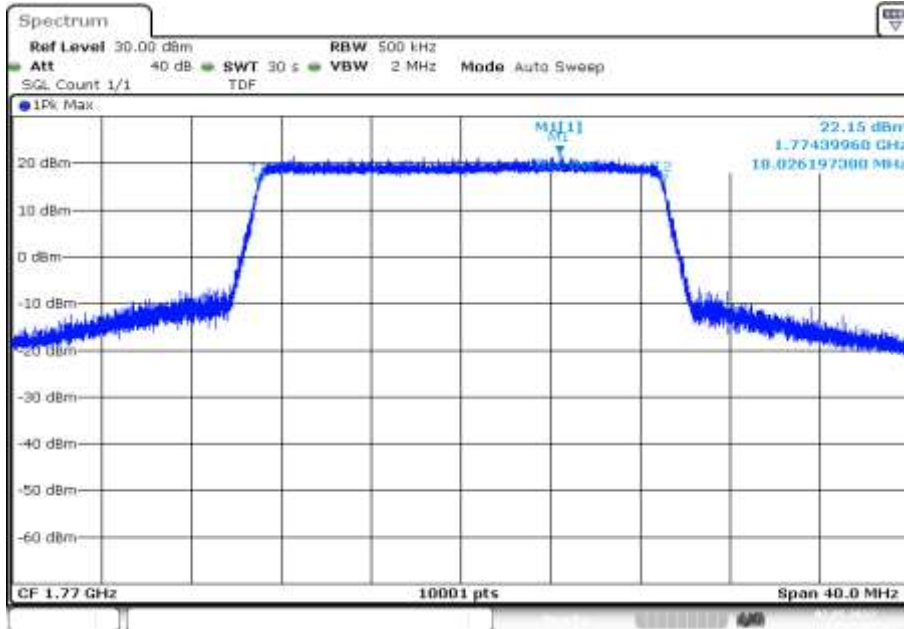
Date: 2.MAY.2022 19:16:11

**Plot 70:** 20 MHz – 16-QAM - middle channel (-26 dBc BW)



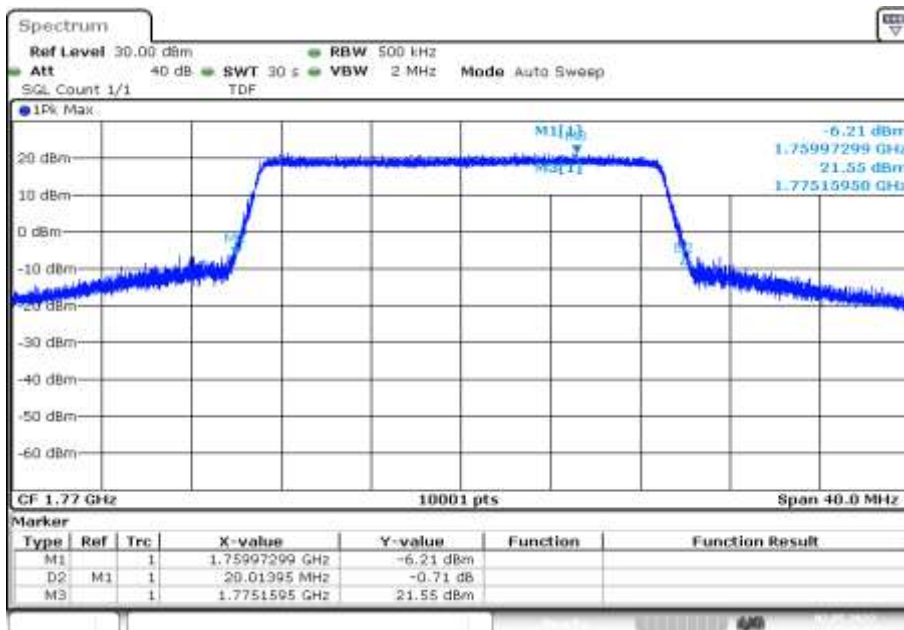
Date: 2.MAY.2022 19:16:44

**Plot 71:** 20 MHz – 16-QAM - highest channel (99% - OBW)



Date: 2.MAY.2022 19:23:36

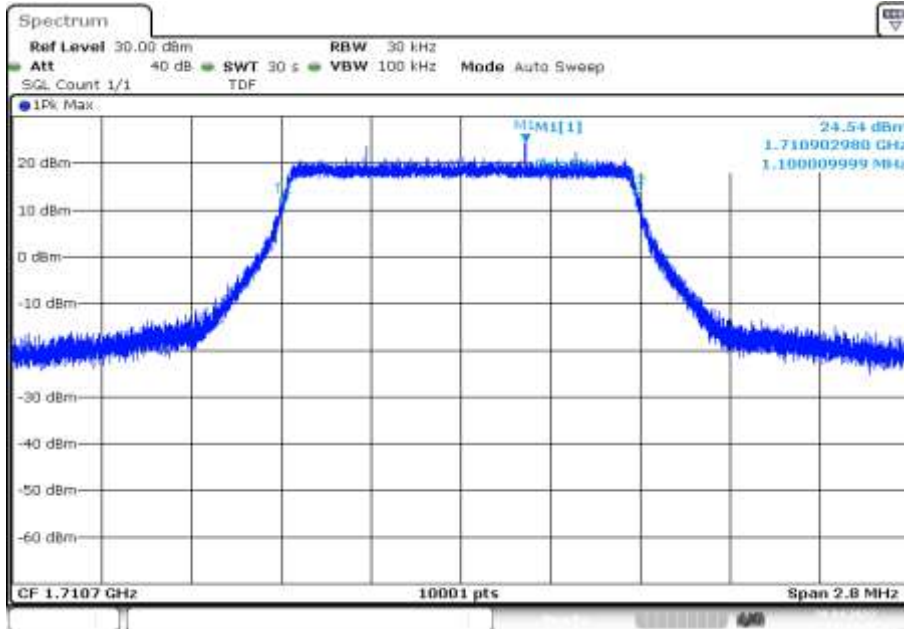
**Plot 72:** 20 MHz – 16-QAM - highest channel (-26 dBc BW)



Date: 2.MAY.2022 19:24:09

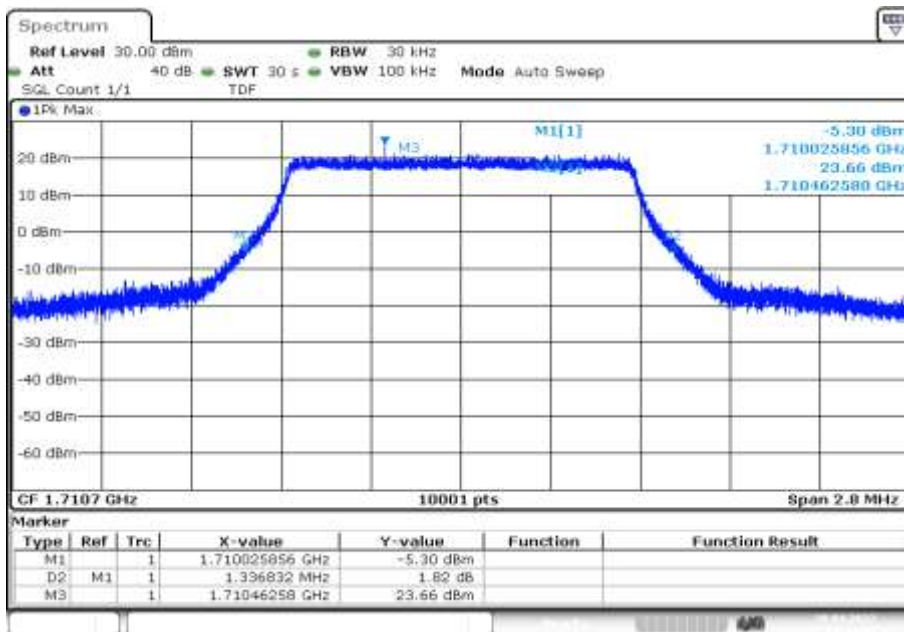


**Plot 73:** 1.4 MHz – 64-QAM - lowest channel (99% - OBW)



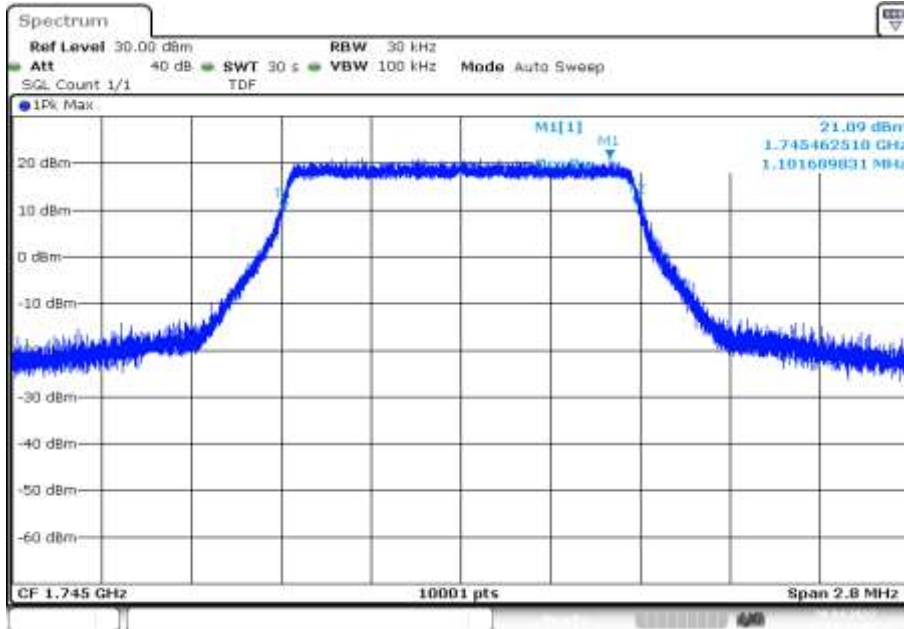
Date: 28.APR.2022 17:10:38

**Plot 74:** 1.4 MHz – 64-QAM - lowest channel (-26 dBc BW)



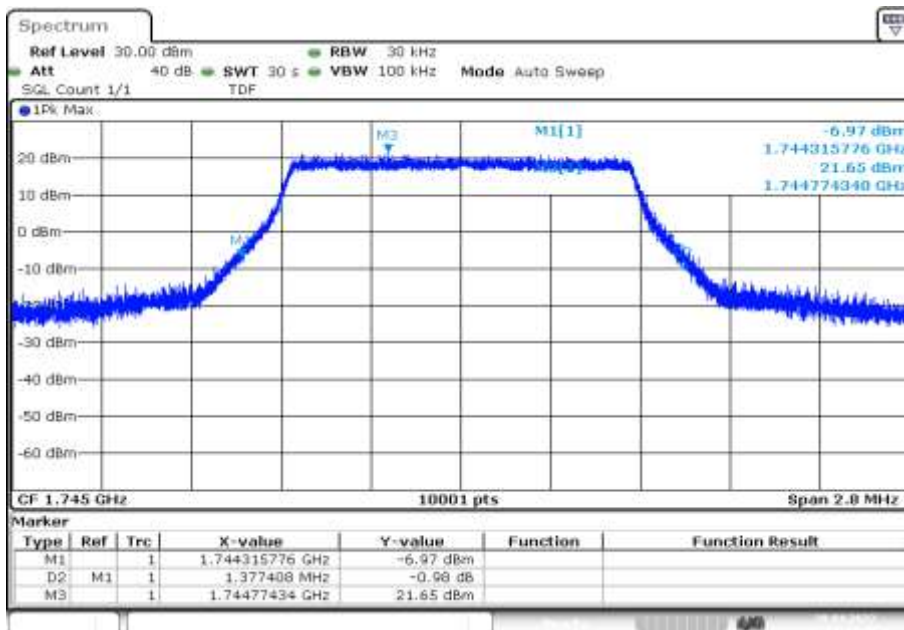
Date: 28.APR.2022 17:11:10

**Plot 75:** 1.4 MHz – 64-QAM - middle channel (99% - OBW)



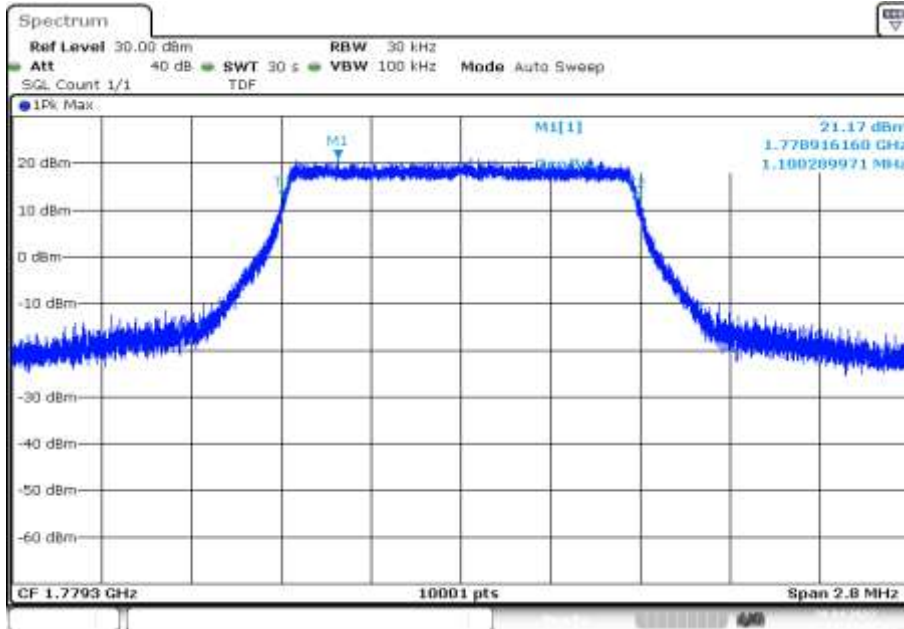
Date: 28.APR.2022 17:13:46

**Plot 76:** 1.4 MHz – 64-QAM - middle channel (-26 dBc BW)



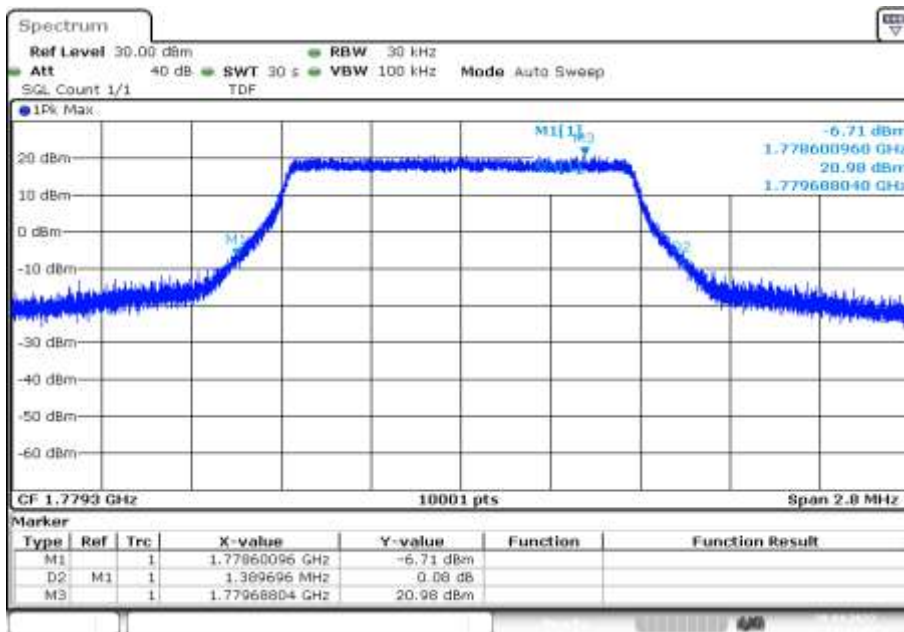
Date: 28.APR.2022 17:14:19

**Plot 77:** 1.4 MHz – 64-QAM - highest channel (99% - OBW)



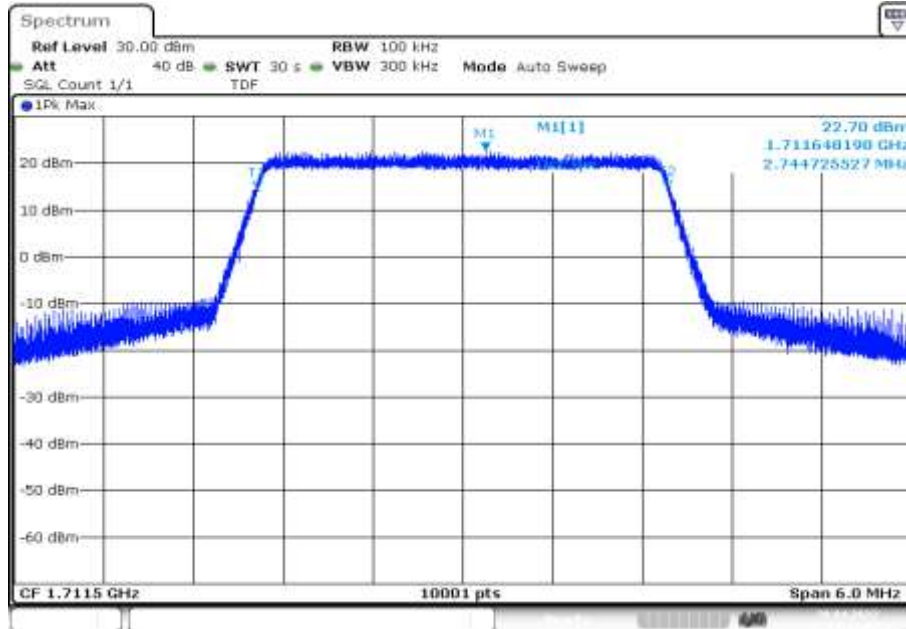
Date: 28.APR.2022 17:17:28

**Plot 78:** 1.4 MHz – 64-QAM - highest channel (-26 dBc BW)



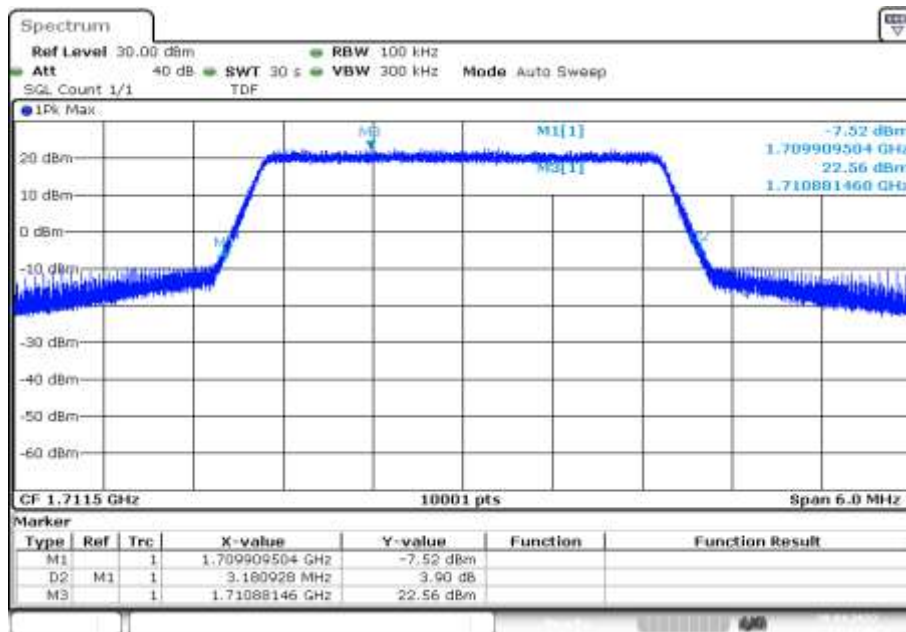
Date: 28.APR.2022 17:18:01

**Plot 79:** 3 MHz – 64-QAM - lowest channel (99% - OBW)



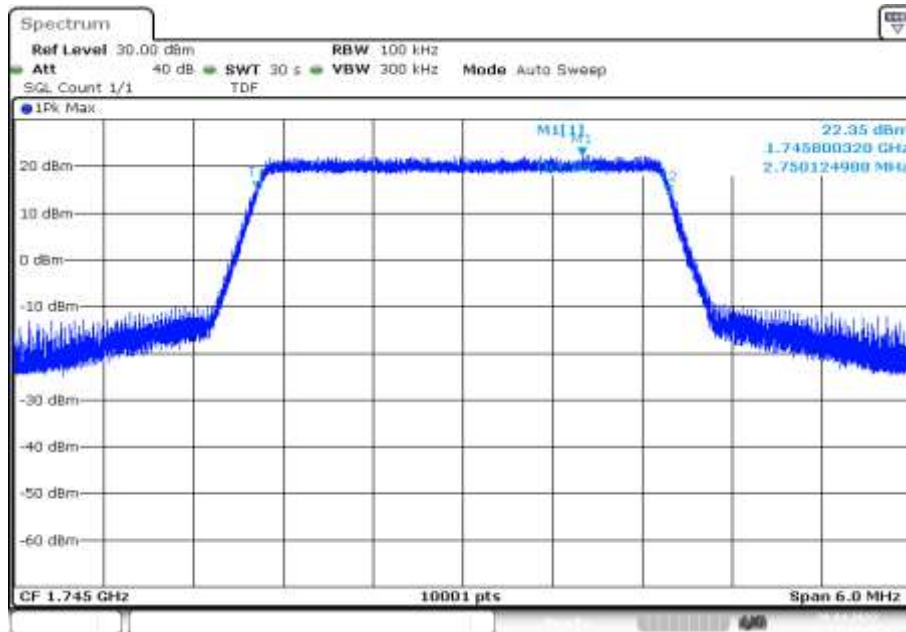
Date: 28.APR.2022 17:21:22

**Plot 80:** 3 MHz – 64-QAM - lowest channel (-26 dBc BW)



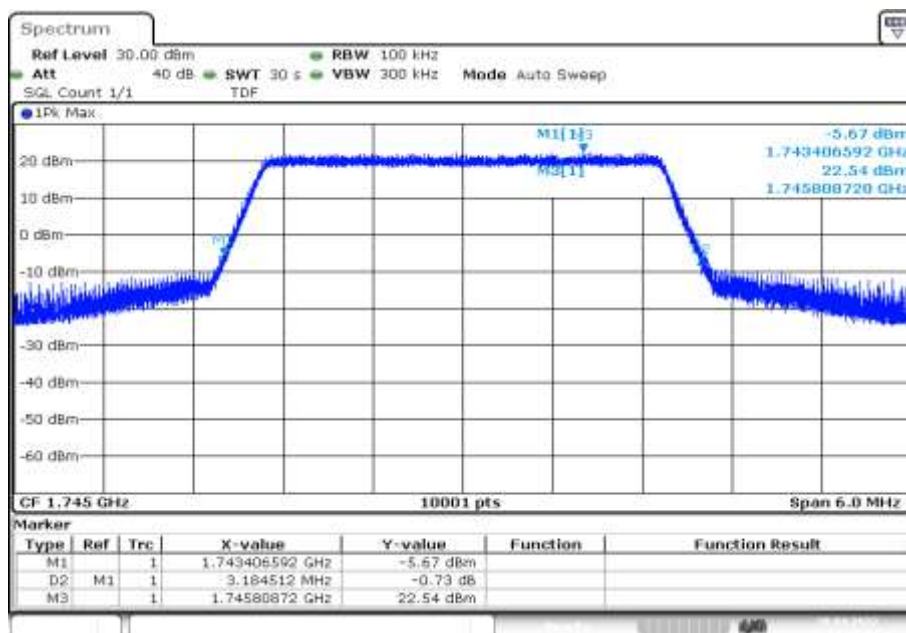
Date: 28.APR.2022 17:21:54

**Plot 81:** 3 MHz – 64-QAM - middle channel (99% - OBW)



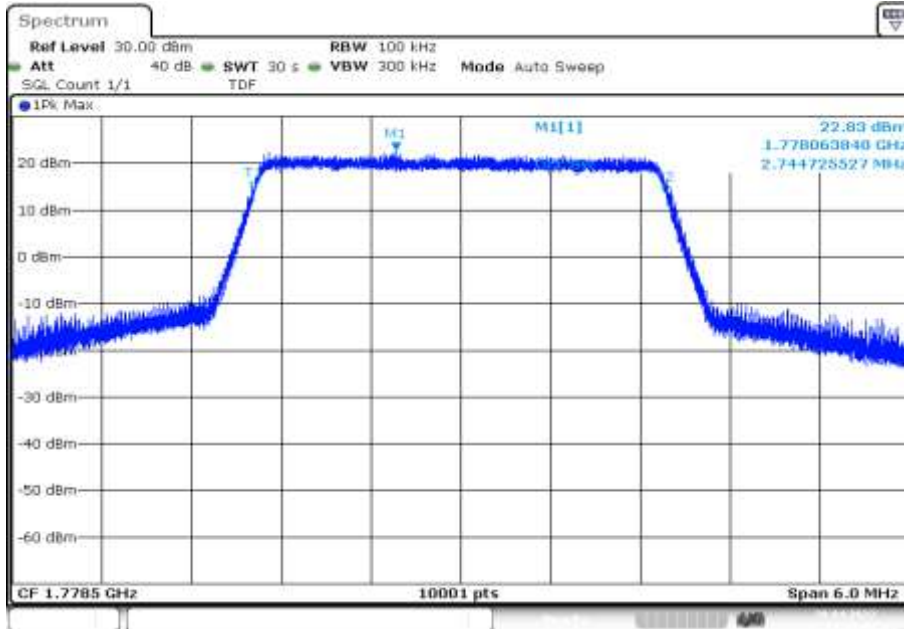
Date: 28.APR.2022 17:24:31

**Plot 82:** 3 MHz – 64-QAM - middle channel (-26 dBc BW)



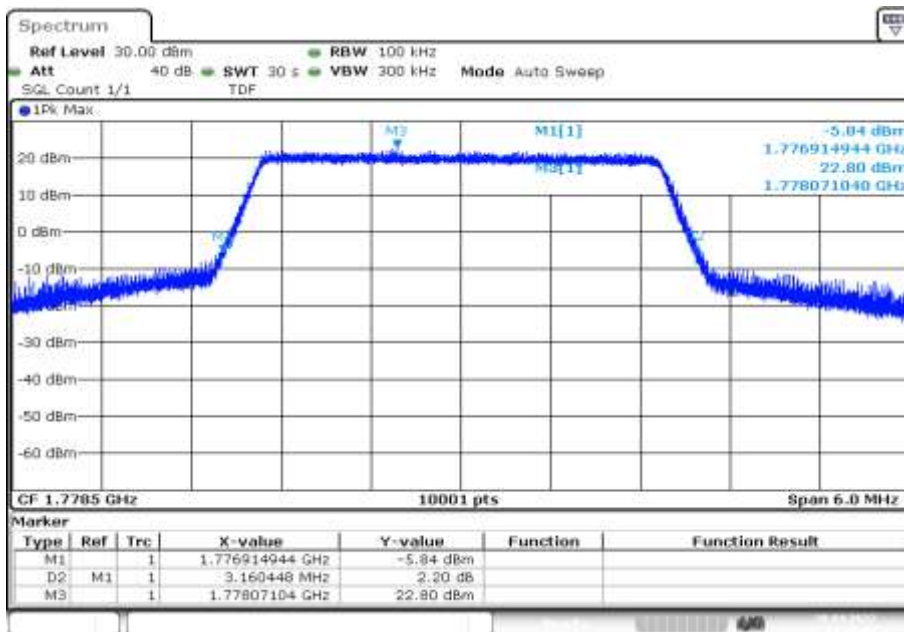
Date: 28.APR.2022 17:25:04

**Plot 83:** 3 MHz – 64-QAM - highest channel (99% - OBW)



Date: 28.APR.2022 17:28:13

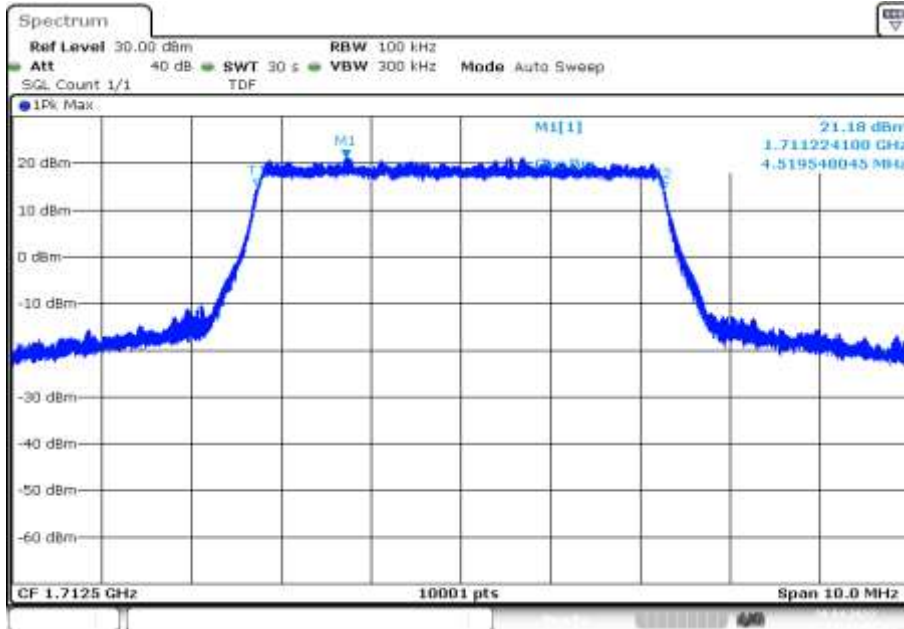
**Plot 84:** 3 MHz – 64-QAM - highest channel (-26 dBc BW)



Date: 28.APR.2022 17:28:46

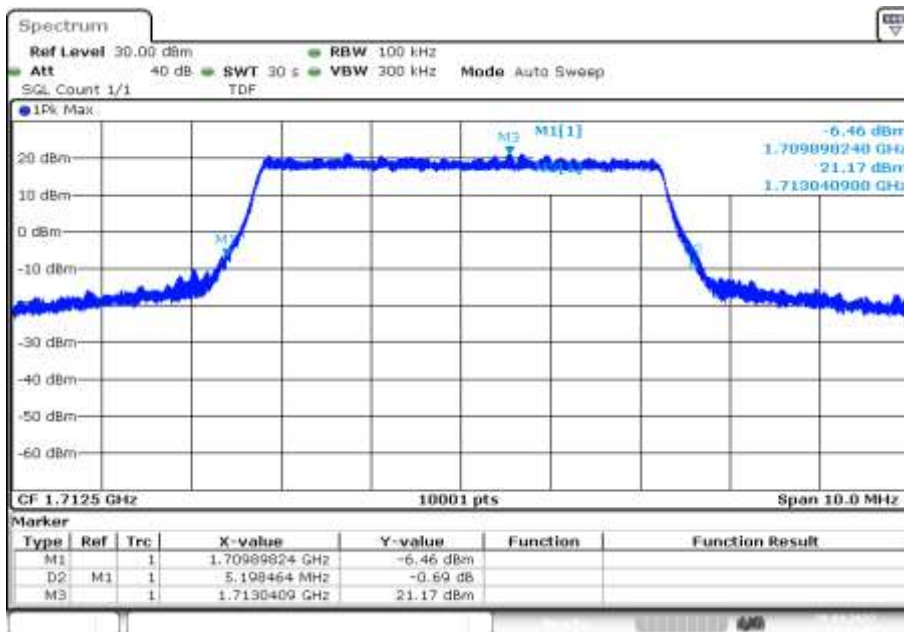


**Plot 85:** 5 MHz – 64-QAM - lowest channel (99% - OBW)



Date: 28.APR.2022 17:32:06

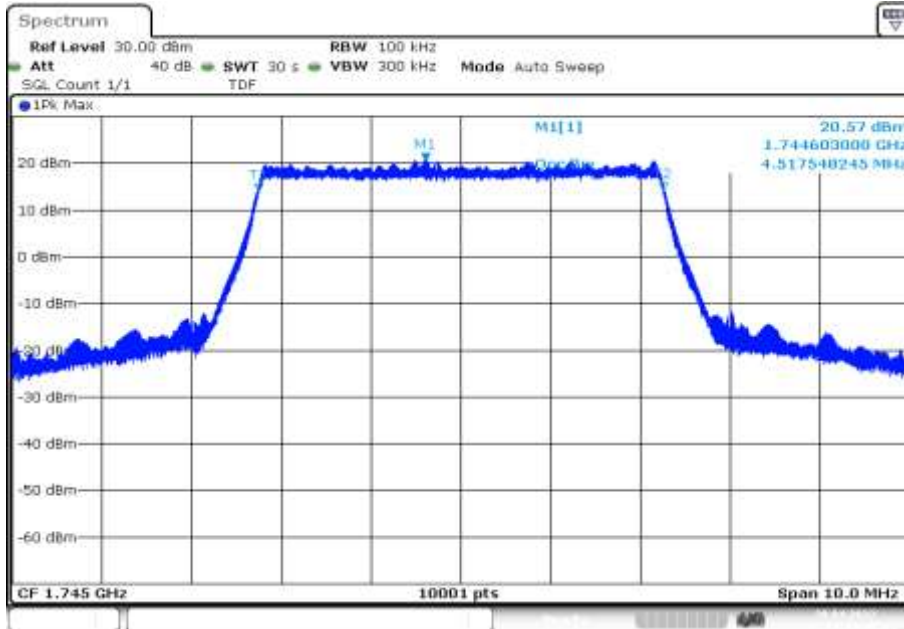
**Plot 86:** 5 MHz – 64-QAM - lowest channel (-26 dBc BW)



Date: 28.APR.2022 17:32:39

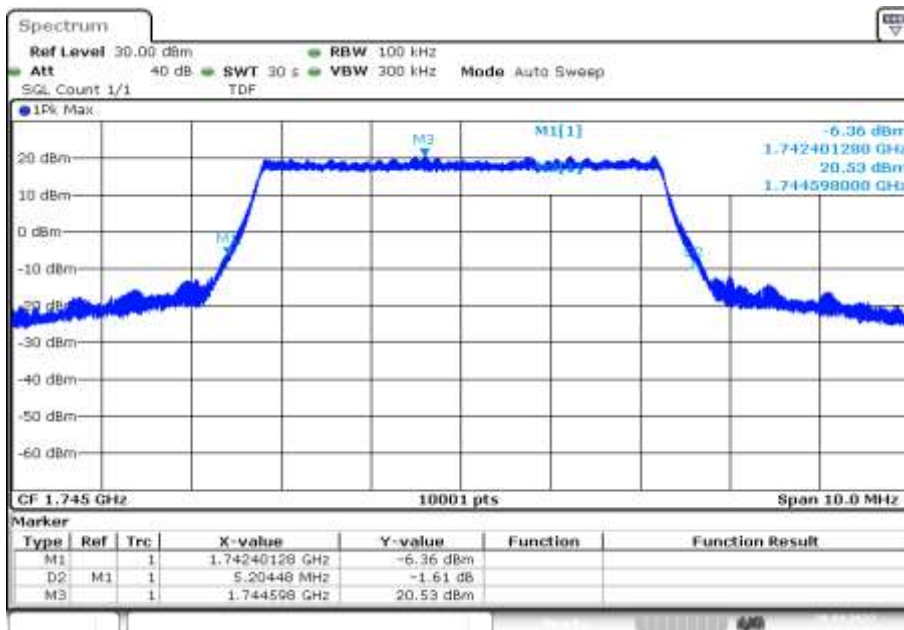


**Plot 87:** 5 MHz – 64-QAM - middle channel (99% - OBW)



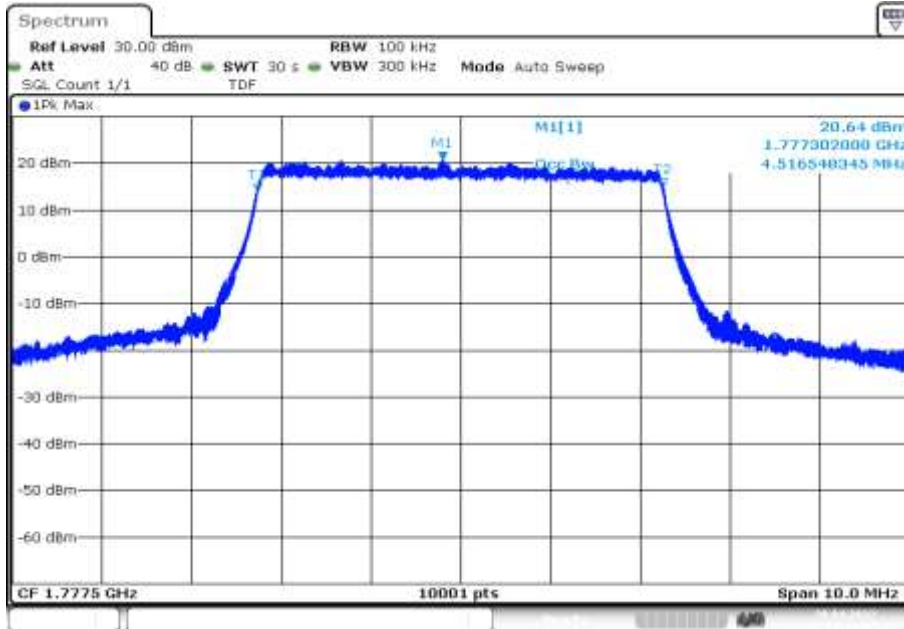
Date: 28.APR.2022 17:35:16

**Plot 88:** 5 MHz – 64-QAM - middle channel (-26 dBc BW)



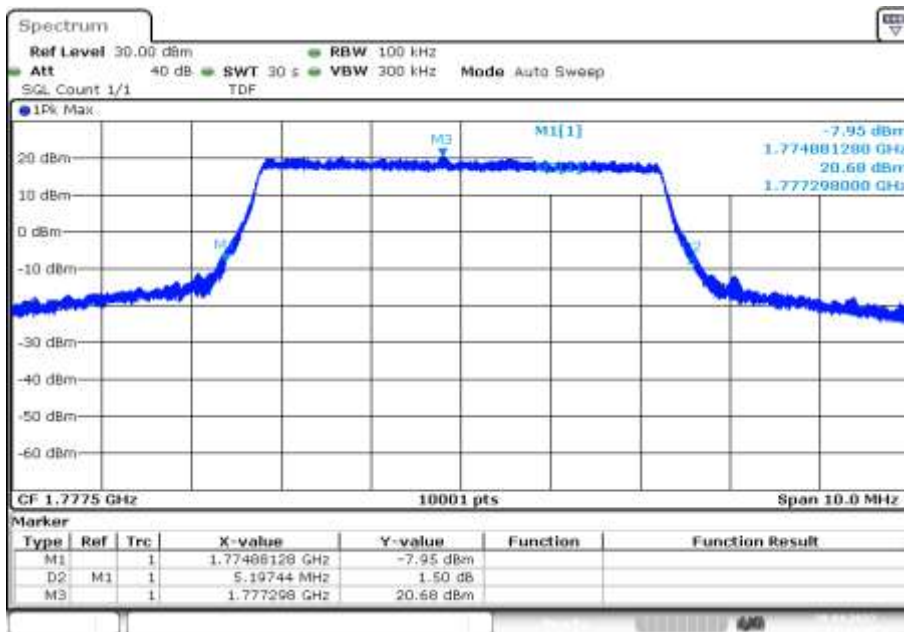
Date: 28.APR.2022 17:35:48

**Plot 89:** 5 MHz – 64-QAM - highest channel (99% - OBW)



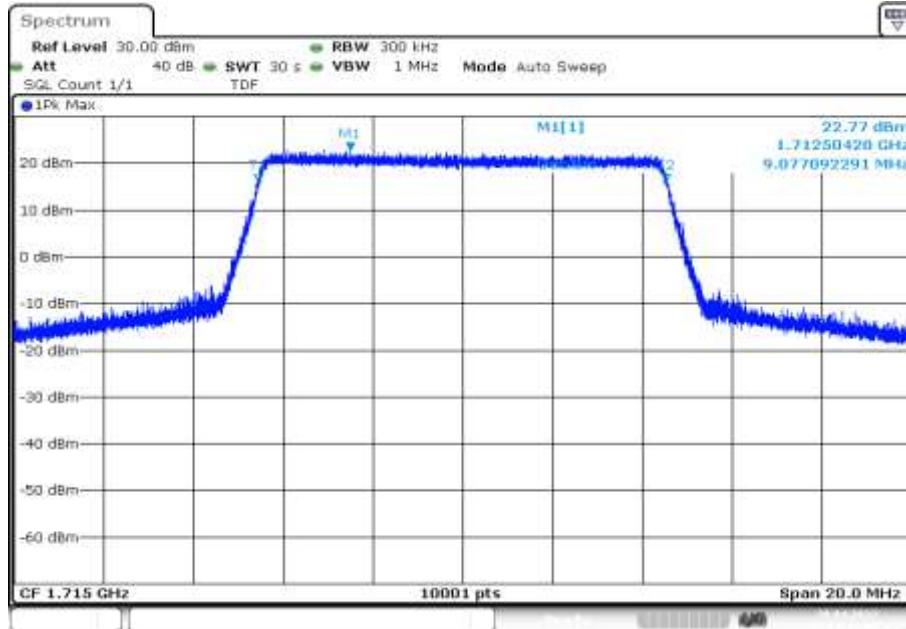
Date: 28.APR.2022 17:38:57

**Plot 90:** 5 MHz – 64-QAM - highest channel (-26 dBc BW)



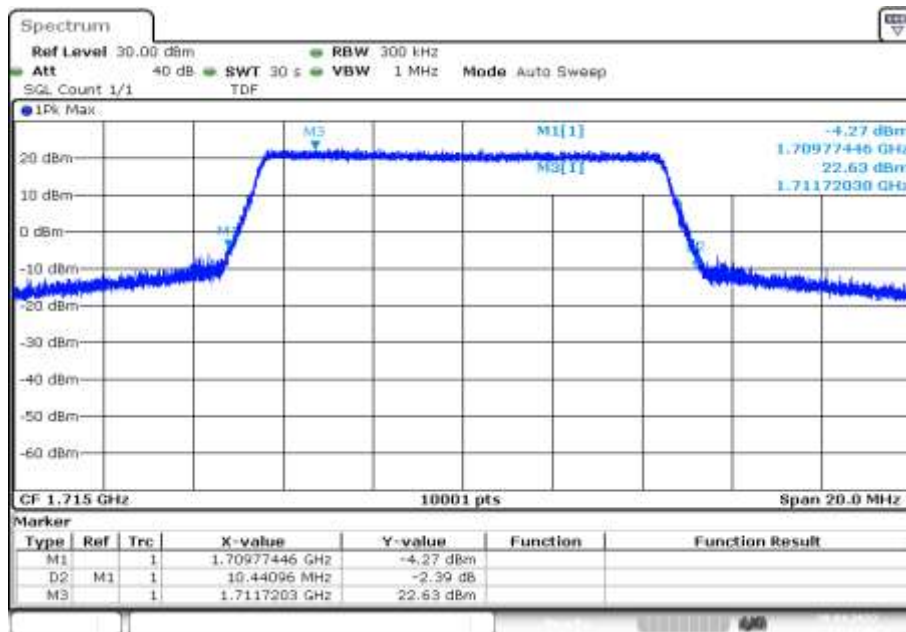
Date: 28.APR.2022 17:39:30

**Plot 91:** 10 MHz – 64-QAM - lowest channel (99% - OBW)



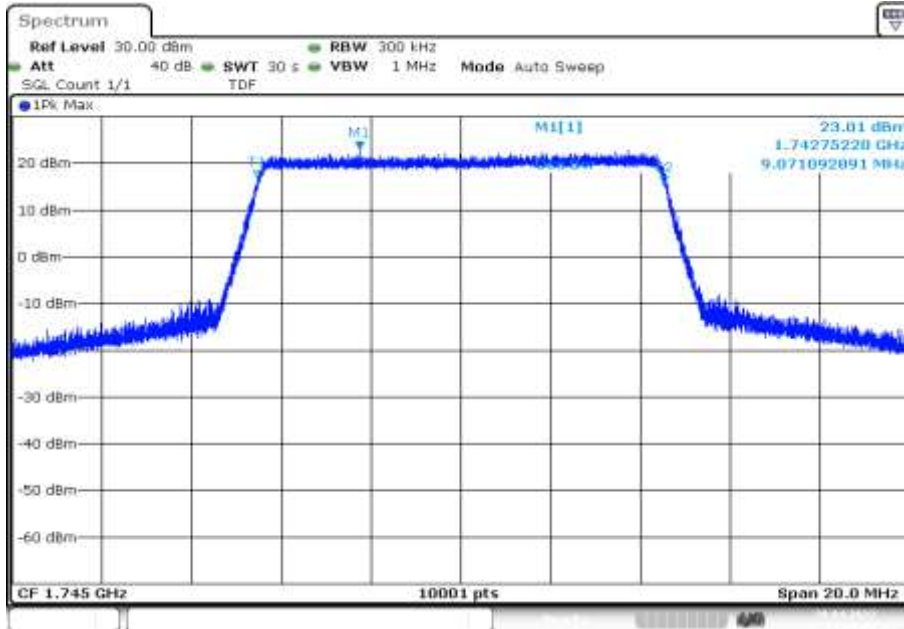
Date: 28.APR.2022 17:42:51

**Plot 92:** 10 MHz – 64-QAM - lowest channel (-26 dBc BW)



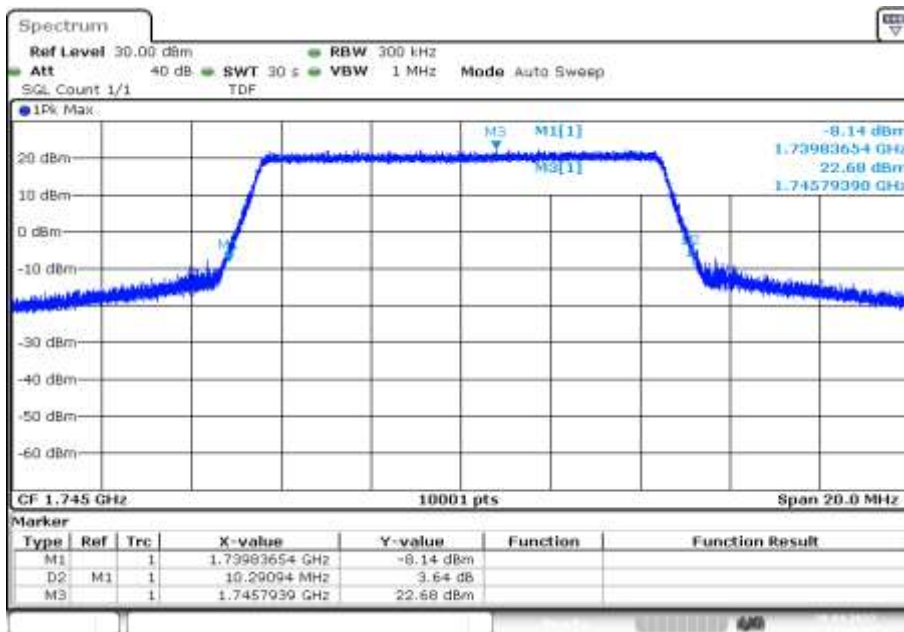
Date: 28.APR.2022 17:43:24

**Plot 93:** 10 MHz – 64-QAM - middle channel (99% - OBW)



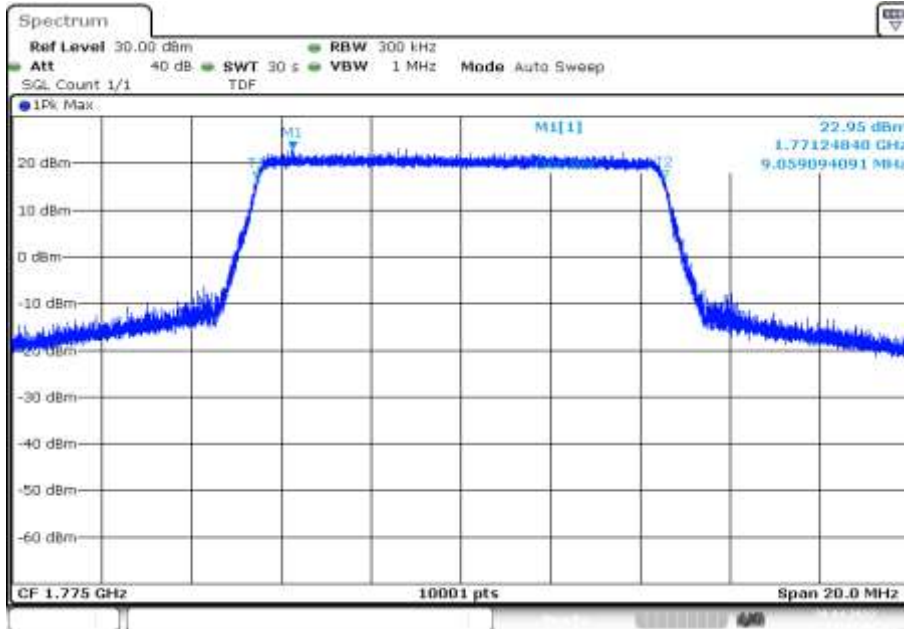
Date: 28.APR.2022 17:46:01

**Plot 94:** 10 MHz – 64-QAM - middle channel (-26 dBc BW)



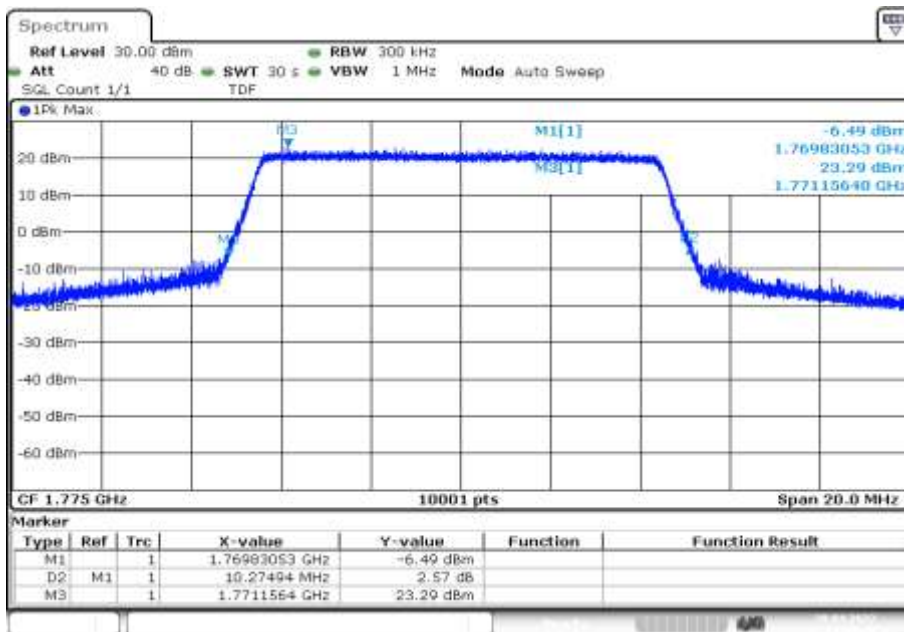
Date: 28.APR.2022 17:46:35

**Plot 95:** 10 MHz – 64-QAM - highest channel (99% - OBW)



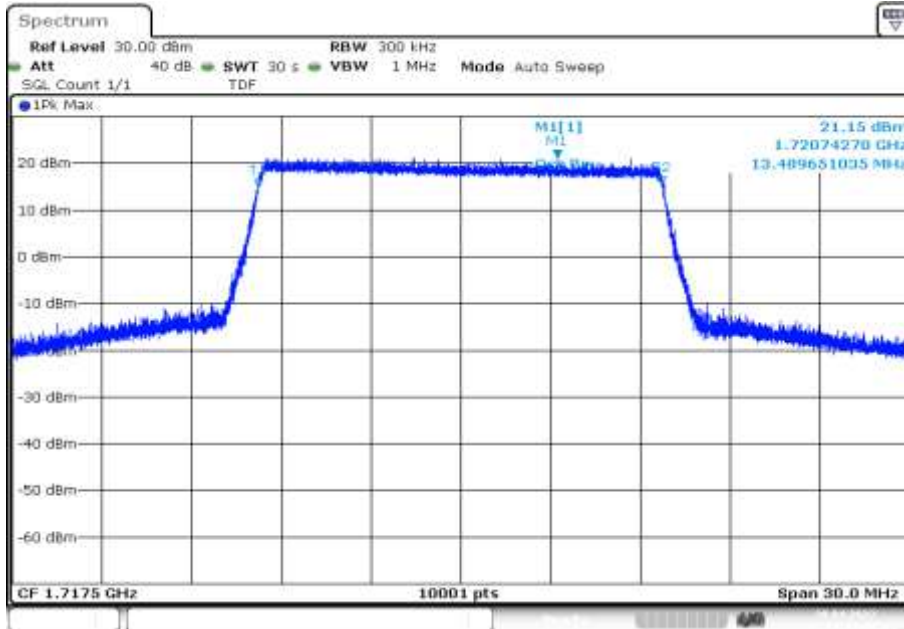
Date: 28.APR.2022 17:49:44

**Plot 96:** 10 MHz – 64-QAM - highest channel (-26 dBc BW)



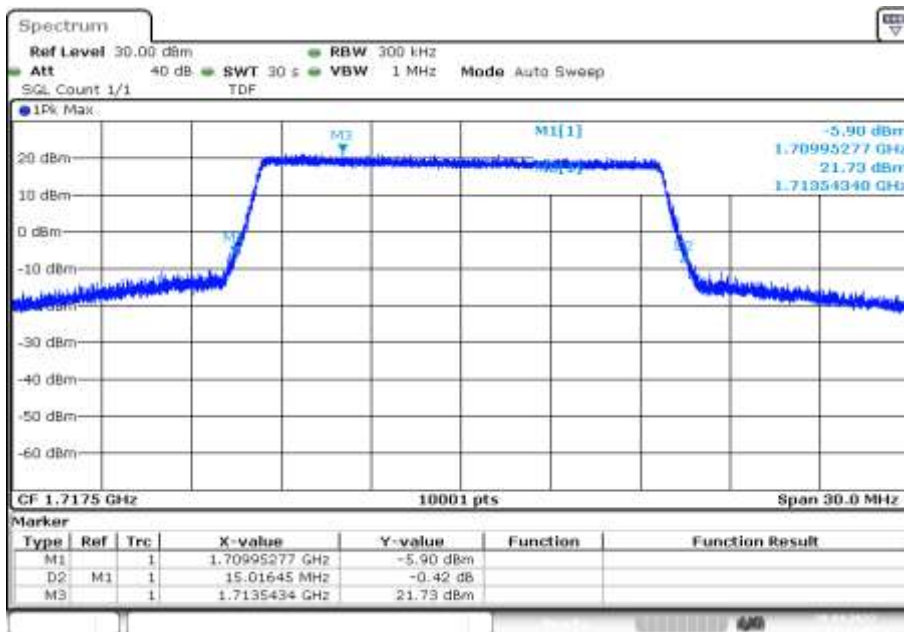
Date: 28.APR.2022 17:50:18

**Plot 97:** 15 MHz – 16-QAM - lowest channel (99% - OBW)



Date: 28.APR.2022 17:53:39

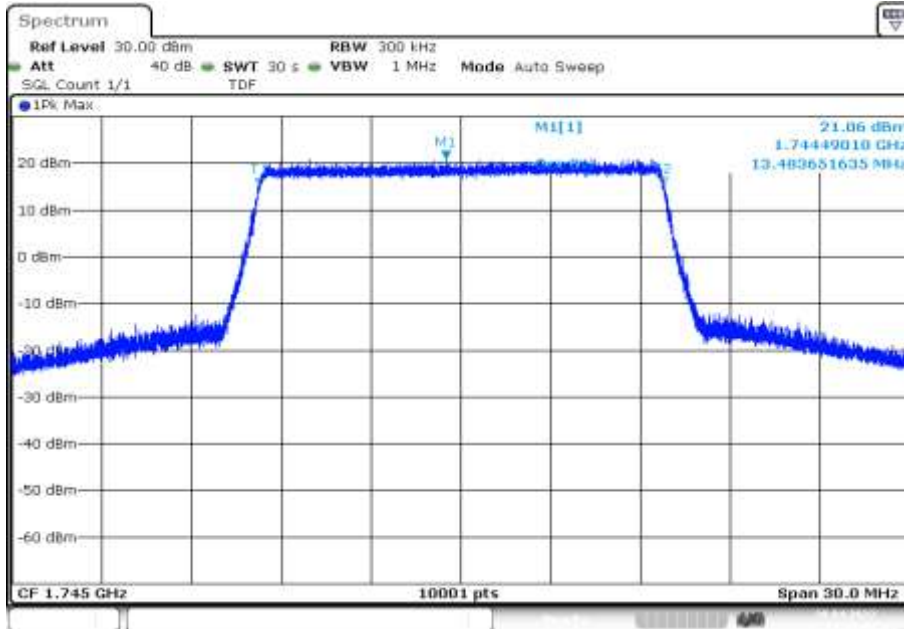
**Plot 98:** 15 MHz – 16-QAM - lowest channel (-26 dBc BW)



Date: 28.APR.2022 17:54:12

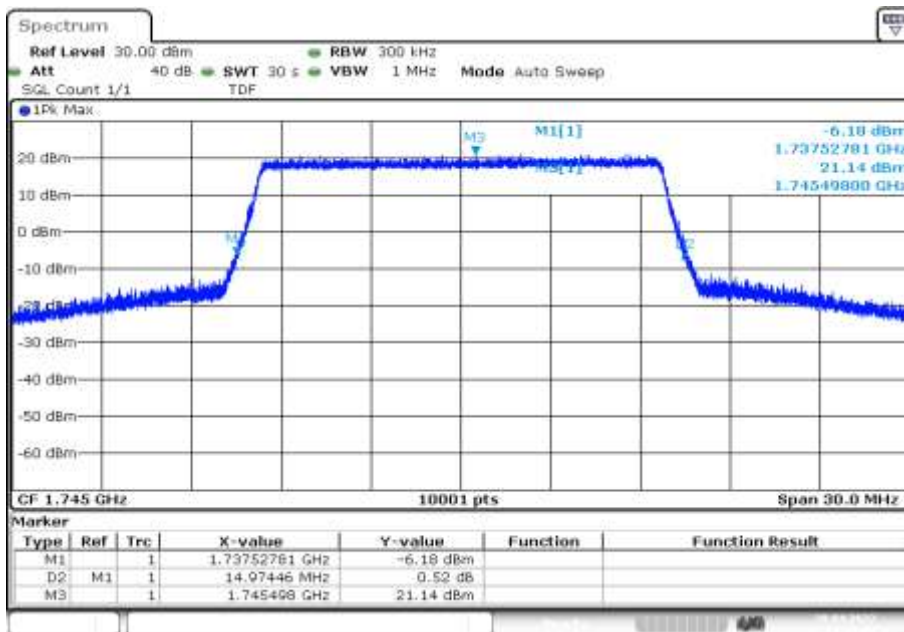


**Plot 99:** 15 MHz – 64-QAM - middle channel (99% - OBW)



Date: 28.APR.2022 17:56:49

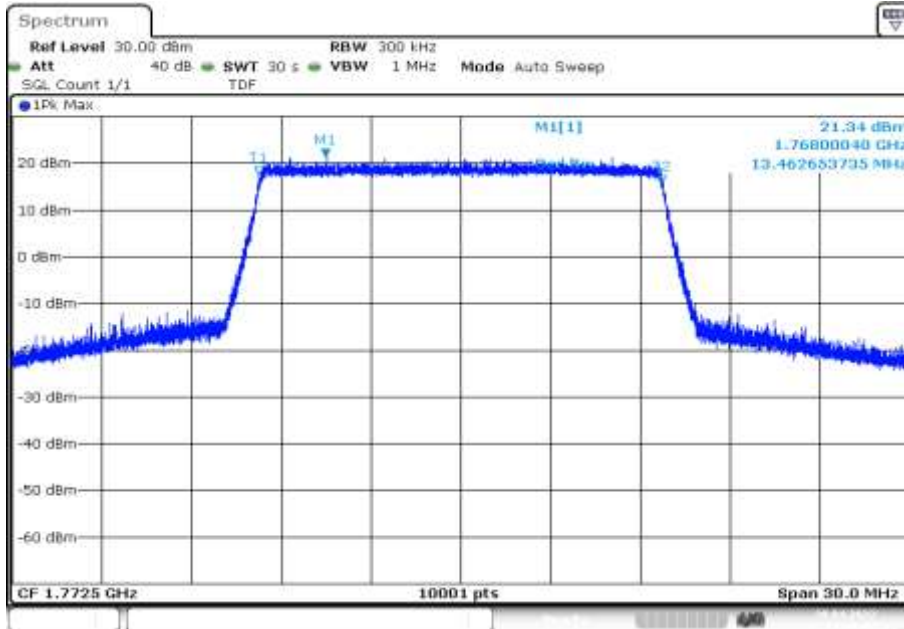
**Plot 100:** 15 MHz – 64-QAM - middle channel (-26 dBc BW)



Date: 28.APR.2022 17:57:22

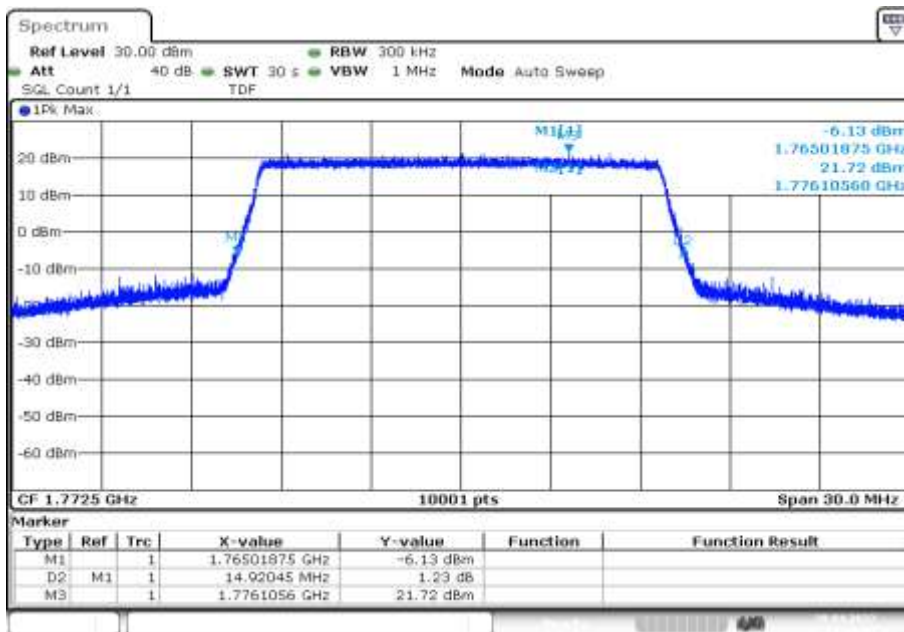


**Plot 101:** 15 MHz – 64-QAM - highest channel (99% - OBW)



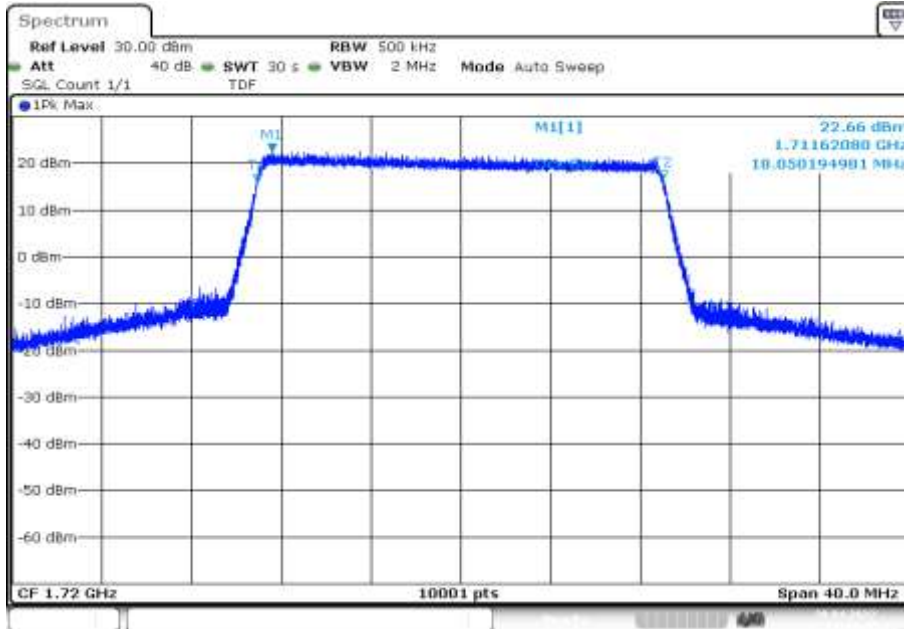
Date: 28.APR.2022 18:00:32

**Plot 102:** 15 MHz – 64-QAM - highest channel (-26 dBc BW)



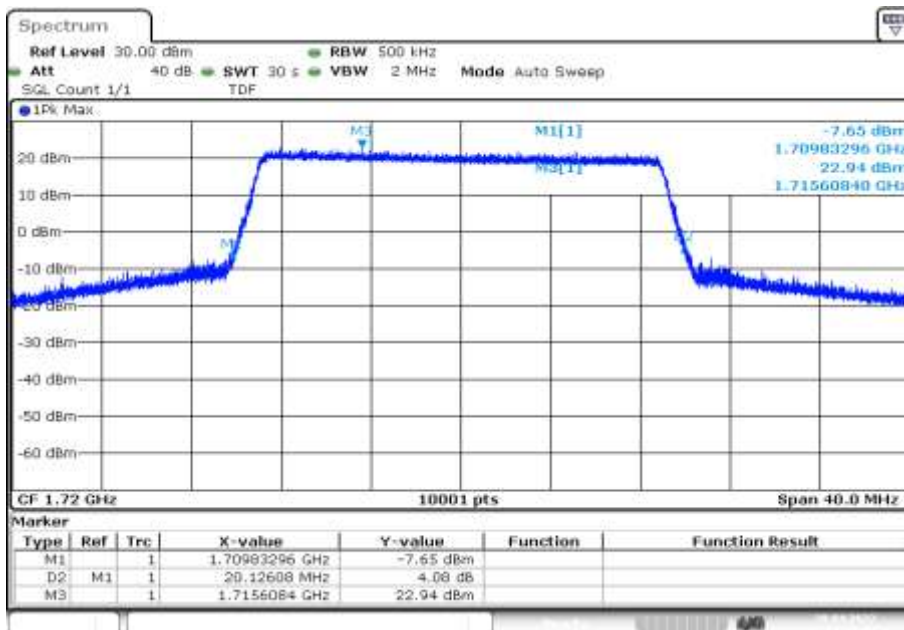
Date: 28.APR.2022 18:01:06

**Plot 103:** 20 MHz – 64-QAM - lowest channel (99% - OBW)



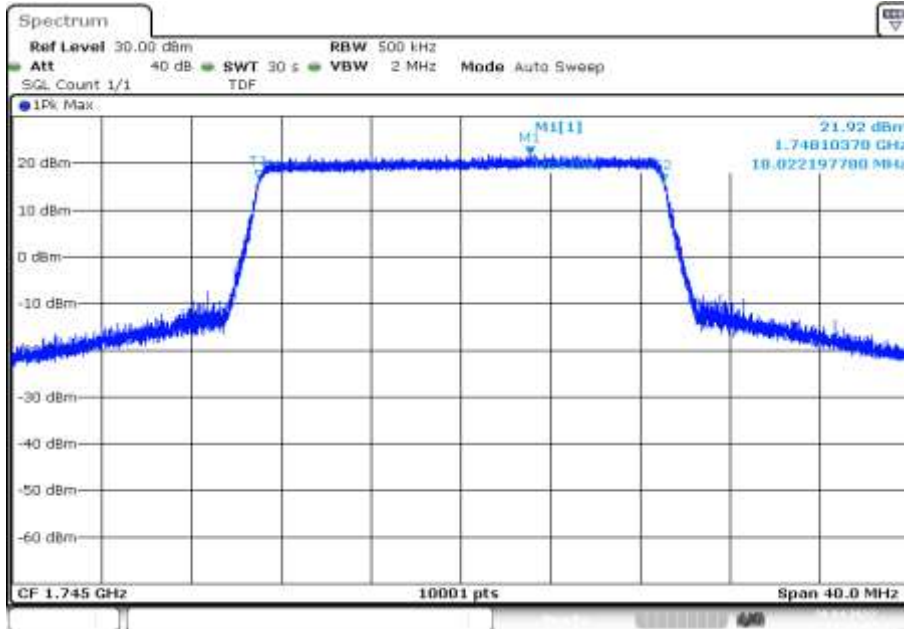
Date: 28.APR.2022 18:04:26

**Plot 104:** 20 MHz – 64-QAM - lowest channel (-26 dBc BW)



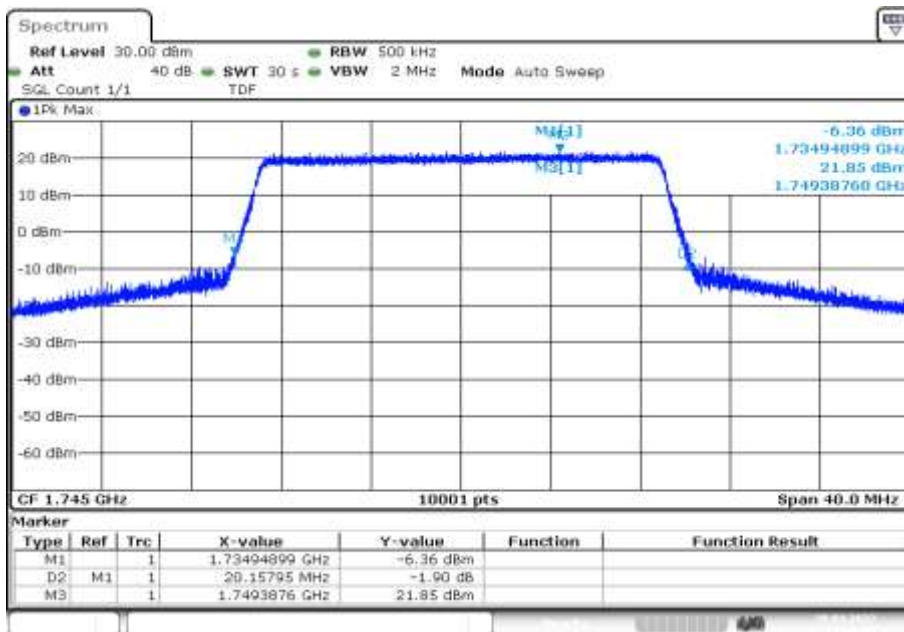
Date: 28.APR.2022 18:05:00

**Plot 105:** 20 MHz – 64-QAM - middle channel (99% - OBW)



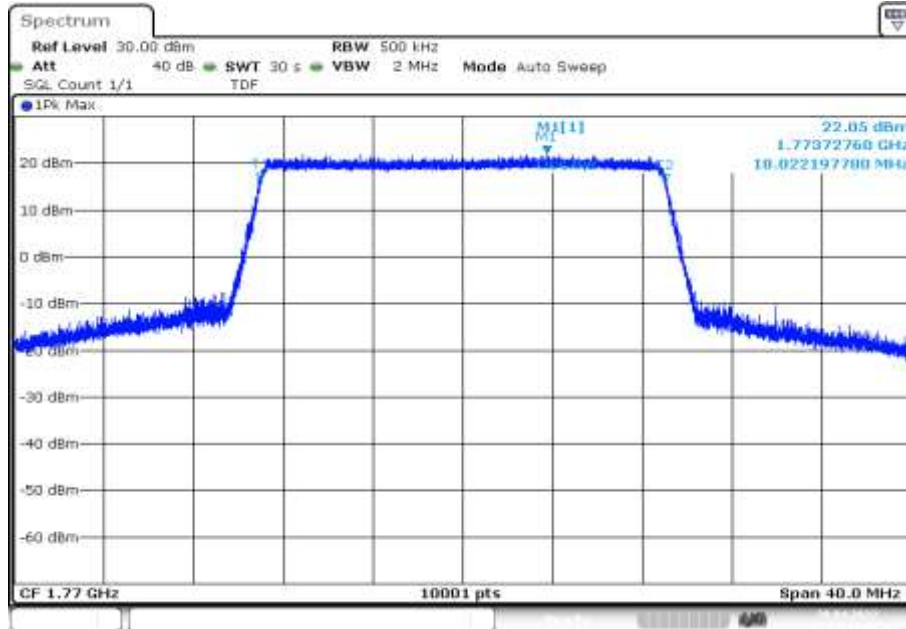
Date: 28.APR.2022 18:07:37

**Plot 106:** 20 MHz – 64-QAM - middle channel (-26 dBc BW)



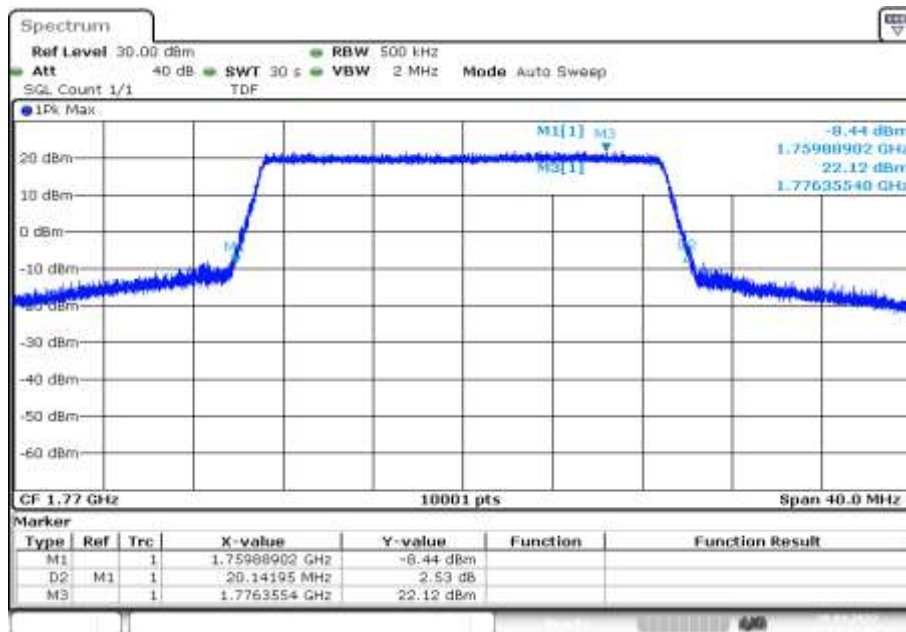
Date: 28.APR.2022 18:08:10

**Plot 107:** 20 MHz – 64-QAM - highest channel (99% - OBW)



Date: 28.APR.2022 18:11:20

**Plot 108:** 20 MHz – 64-QAM - highest channel (-26 dBc BW)



Date: 28.APR.2022 18:11:53

### 13 Glossary

<b>EUT</b>	Equipment under test
<b>DUT</b>	Device under test
<b>UUT</b>	Unit under test
<b>GUE</b>	GNSS User Equipment
<b>ETSI</b>	European Telecommunications Standards Institute
<b>EN</b>	European Standard
<b>FCC</b>	Federal Communications Commission
<b>FCC ID</b>	Company Identifier at FCC
<b>IC</b>	Industry Canada
<b>PMN</b>	Product marketing name
<b>HMN</b>	Host marketing name
<b>HVIN</b>	Hardware version identification number
<b>FVIN</b>	Firmware version identification number
<b>EMC</b>	Electromagnetic Compatibility
<b>HW</b>	Hardware
<b>SW</b>	Software
<b>Inv. No.</b>	Inventory number
<b>S/N or SN</b>	Serial number
<b>C</b>	Compliant
<b>NC</b>	Not compliant
<b>NA</b>	Not applicable
<b>NP</b>	Not performed
<b>PP</b>	Positive peak
<b>QP</b>	Quasi peak
<b>AVG</b>	Average
<b>OC</b>	Operating channel
<b>OCW</b>	Operating channel bandwidth
<b>OBW</b>	Occupied bandwidth
<b>OOB</b>	Out of band
<b>DFS</b>	Dynamic frequency selection
<b>CAC</b>	Channel availability check
<b>OP</b>	Occupancy period
<b>NOP</b>	Non occupancy period
<b>DC</b>	Duty cycle
<b>PER</b>	Packet error rate
<b>CW</b>	Clean wave
<b>MC</b>	Modulated carrier
<b>WLAN</b>	Wireless local area network
<b>RLAN</b>	Radio local area network
<b>DSSS</b>	Dynamic sequence spread spectrum
<b>OFDM</b>	Orthogonal frequency division multiplexing
<b>FHSS</b>	Frequency hopping spread spectrum
<b>GNSS</b>	Global Navigation Satellite System
<b>C/N<sub>0</sub></b>	Carrier to noise-density ratio, expressed in dB-Hz

## 14 Document history

Version	Applied changes	Date of release
-/-	Initial release	2022-05-27

## 15 Accreditation Certificate – D-PL-12076-01-05

first page	last page
 <p>The image shows the first page of the accreditation certificate. It features the DAkkS logo (Deutsche Akkreditierungsstelle) and the company name 'Deutsche Akkreditierungsstelle GmbH'. The text states that the company is entrusted according to Section II subsection 1 AkkStelleG in connection with Section 1 subsection 1 AkkStelleG IV as a signatory to the Multilateral Agreements of EA, IAC and IAF for Mutual Recognition. The accreditation is for 'CTC advanced GmbH' located at 'Untersärkerheimer Straße 6-10, 66117 Saarbrücken'. The scope of accreditation is 'Telecommunication (FCC Requirements)'. The registration number is 'D-PL-12076-01-05'. The certificate is signed by 'Frankfurt am Main, 05.06.2022' by 'Prof. Dr.-Ing. Dr. habil. Jürgen Hees, Head of Division'. A note at the bottom states: 'The certificate together with its annex reflects the status on the date of issue. The current status of this scope of accreditation can be found in the database of accredited bodies of Deutsche Akkreditierungsstelle GmbH: https://www.dakks.de/de/interne/akkreditierte-korper-daten'. There is also a small note about the publication of extracts of the certificate being subject to prior written approval by DAkkS.</p>	 <p>The image shows the last page of the accreditation certificate. It lists three office locations: 'Office Berlin, Spandauer Str. 10117 Berlin', 'Office Frankfurt am Main, Europa-Koln 52, 60327 Frankfurt am Main', and 'Office Braunschweig, Bundesallee 120, 38128 Braunschweig'. It contains detailed text regarding the publication of extracts of the certificate, the accreditation granted pursuant to the Act on the Accreditation Body (AkkStelleG) of 31 July 2009, and the up-to-date status of membership in various international organizations like EA, IAC, and IAF.</p>

**Note: The current certificate annex is published on the websites (link see below).**

<https://www.dakks.de/files/data/as/pdf/D-PL-12076-01-05e.pdf>

or

[https://ctcadvanced.com/app/uploads/2020/06/D-PL-12076-01-05\\_TCB\\_USA.pdf](https://ctcadvanced.com/app/uploads/2020/06/D-PL-12076-01-05_TCB_USA.pdf)

##### END OF TEST REPORT #####