

ANNEX I – MANUFACTURER-PROVIDED INFORMATION

Note: The accuracy and precision of the following information provided by the manufacturer of the equipment under test has not been verified using test methods, cannot be verified, or is not necessary to verify.

N/A.

ANNEX II – MEASUREMENT DATA

NOTE: The following tests were not repeated on the following grounds:

- 1. No physical change has been made to EUT since certification.**
- 2. No change in software which alters these parameters has been made to EUT.**

RF POWER OUTPUT

AUDIO FREQUENCY RESPONSE

LOW PASS FILTER RESPONSE

MODULATION LIMITING

FIELD STRENGTH OF SPURIOUS EMISSIONS

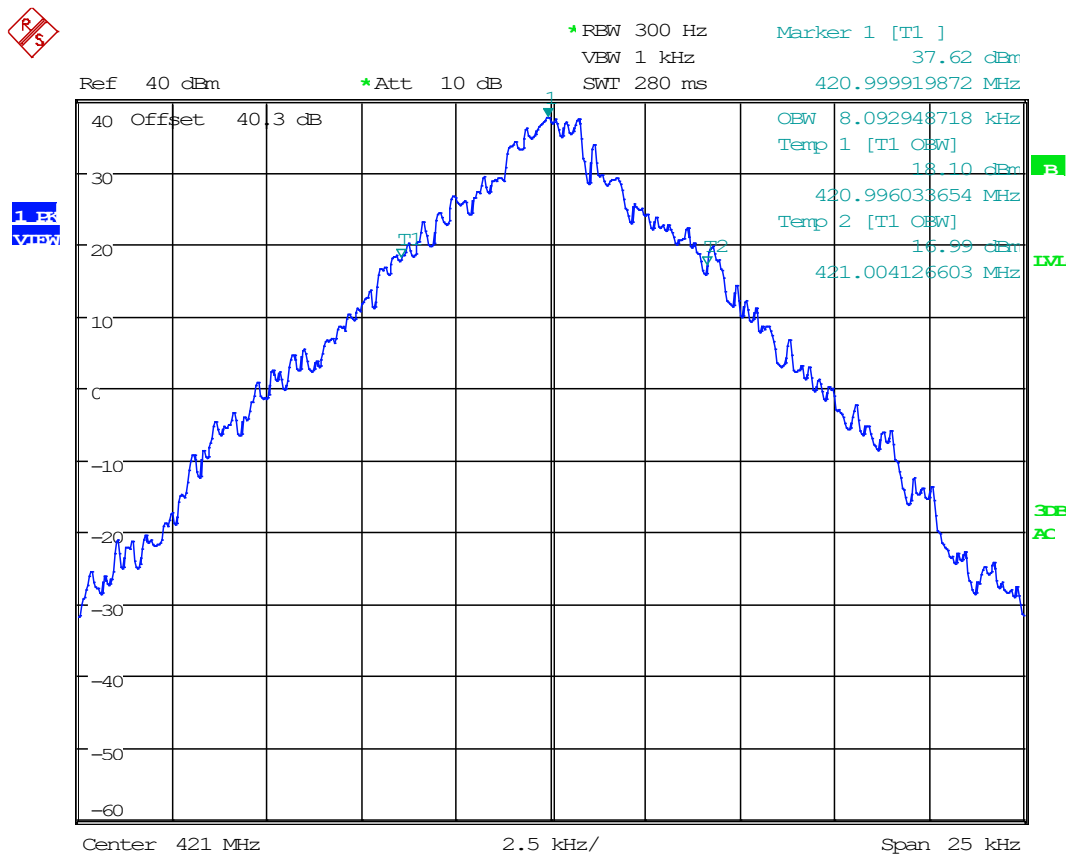
FREQUENCY STABILITY

TRANSIENT FREQUENCY RESPONSE

OCCUPIED BANDWIDTH

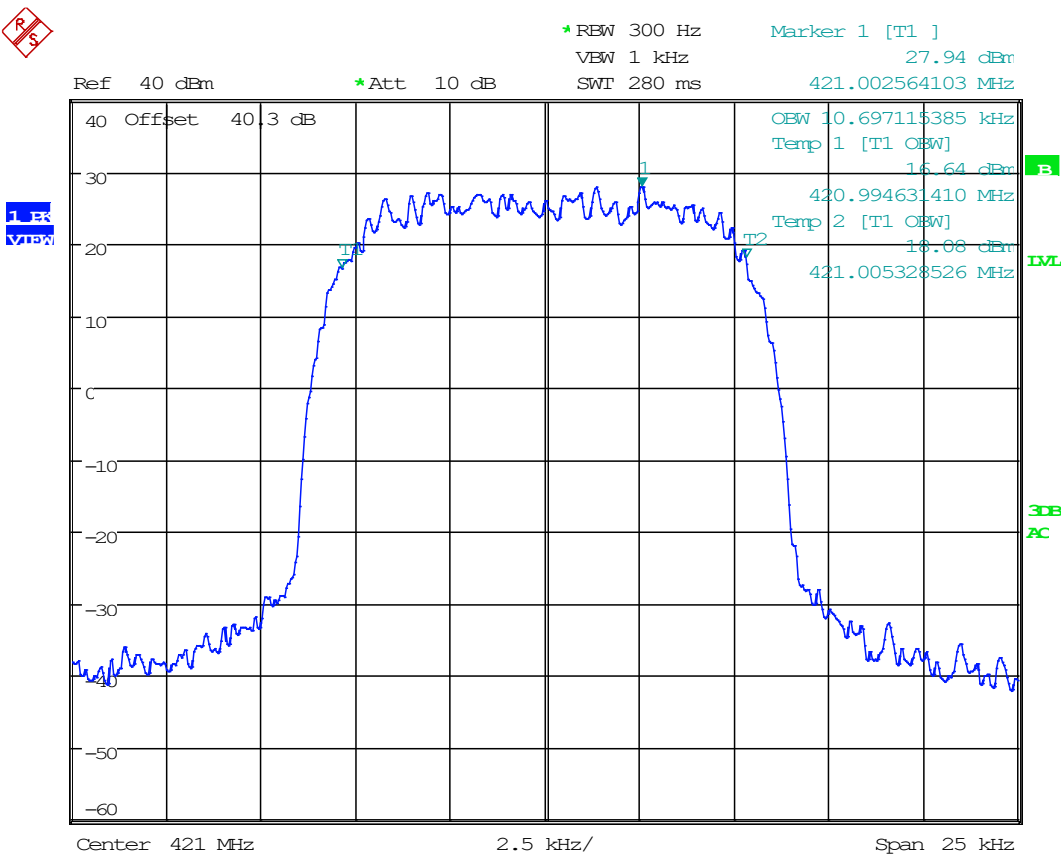
Test Engineer: FR, TR
 Test Date: 05/08/2020

Description	Calculated bandwidth, kHz	Maximum Measured Bandwidth, kHz
12.5 kHz Channel (GMSK)	8.5	8.137
12.5 kHz Channel (4QAM/16QAM/64QAM)	11.2	10.978
25 kHz Channel (4QAM/16QAM/64QAM)	16.0	15.946
Wide 25 kHz Channel (4QAM/16QAM/64QAM)	21.9	21.795

OCCUPIED BANDWIDTH (421.000MHz, 12.5k, GMSK)

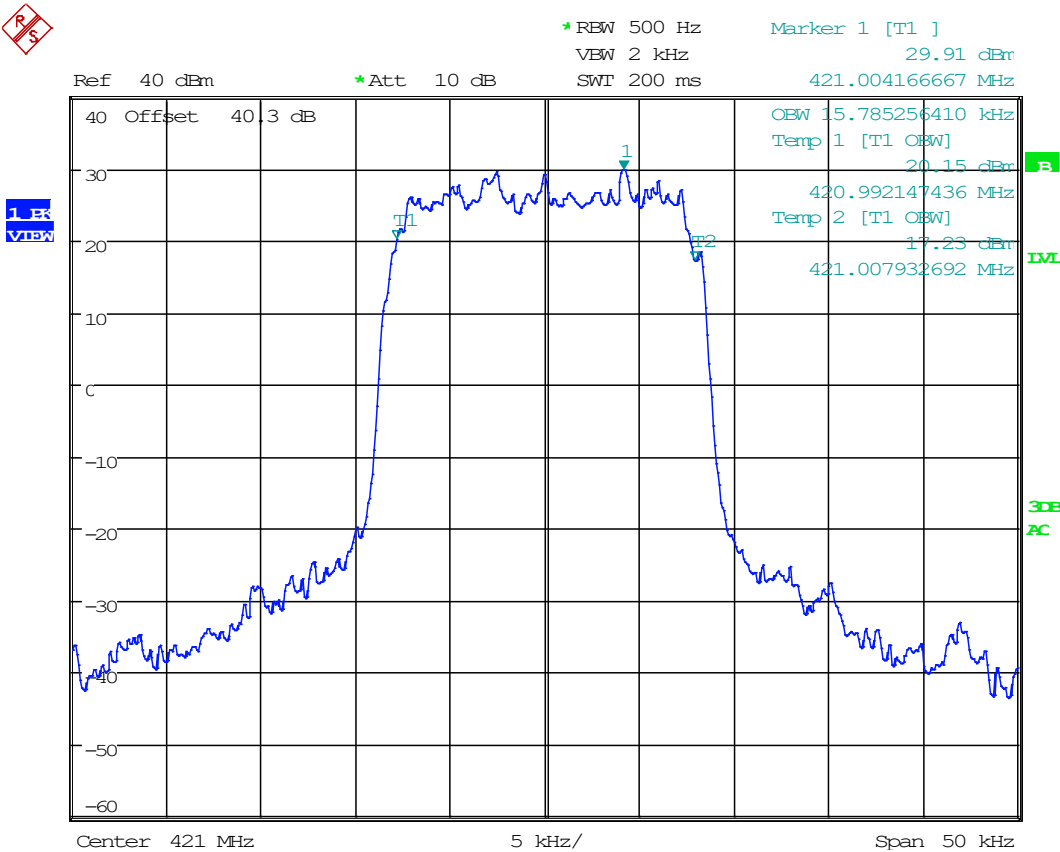
Date: 12.MAY.2020 12:25:22

OCCUPIED BANDWIDTH (421.000MHz, 12.5k, 4QAM)



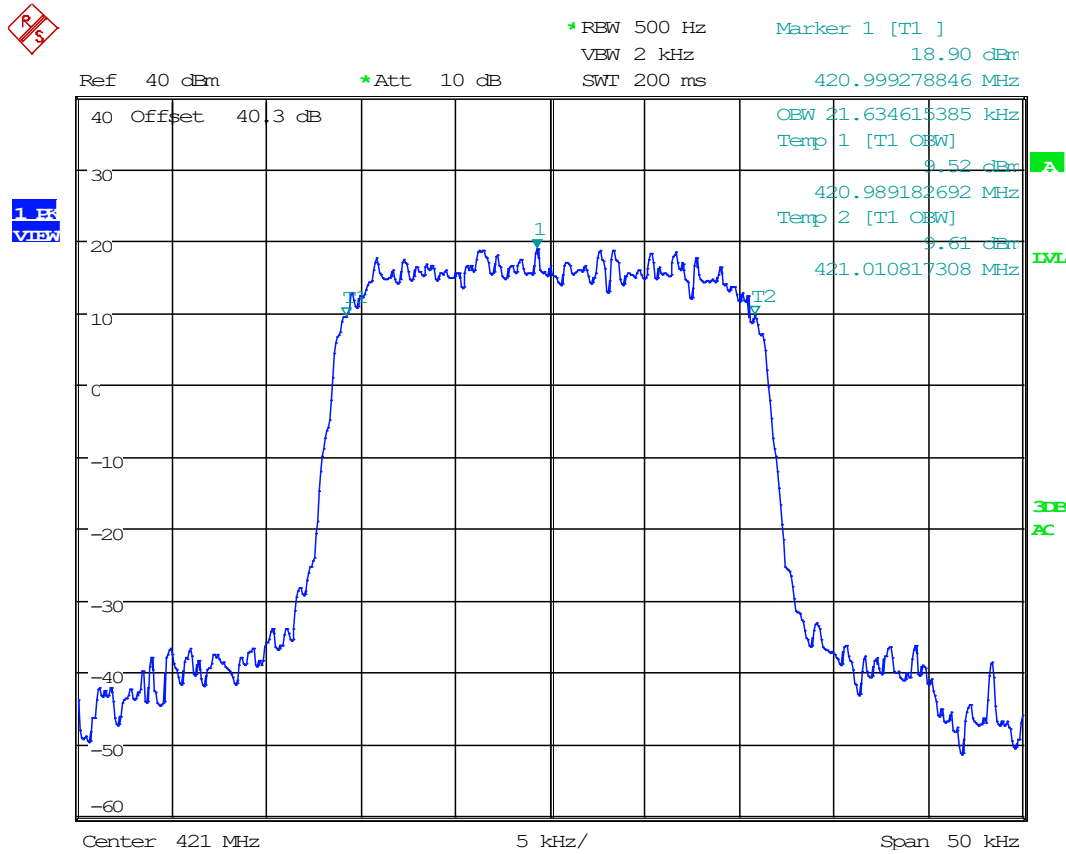
Date: 11.MAY.2020 13:22:32

OCCUPIED BANDWIDTH (421.000MHz, 25k, 4QAM)



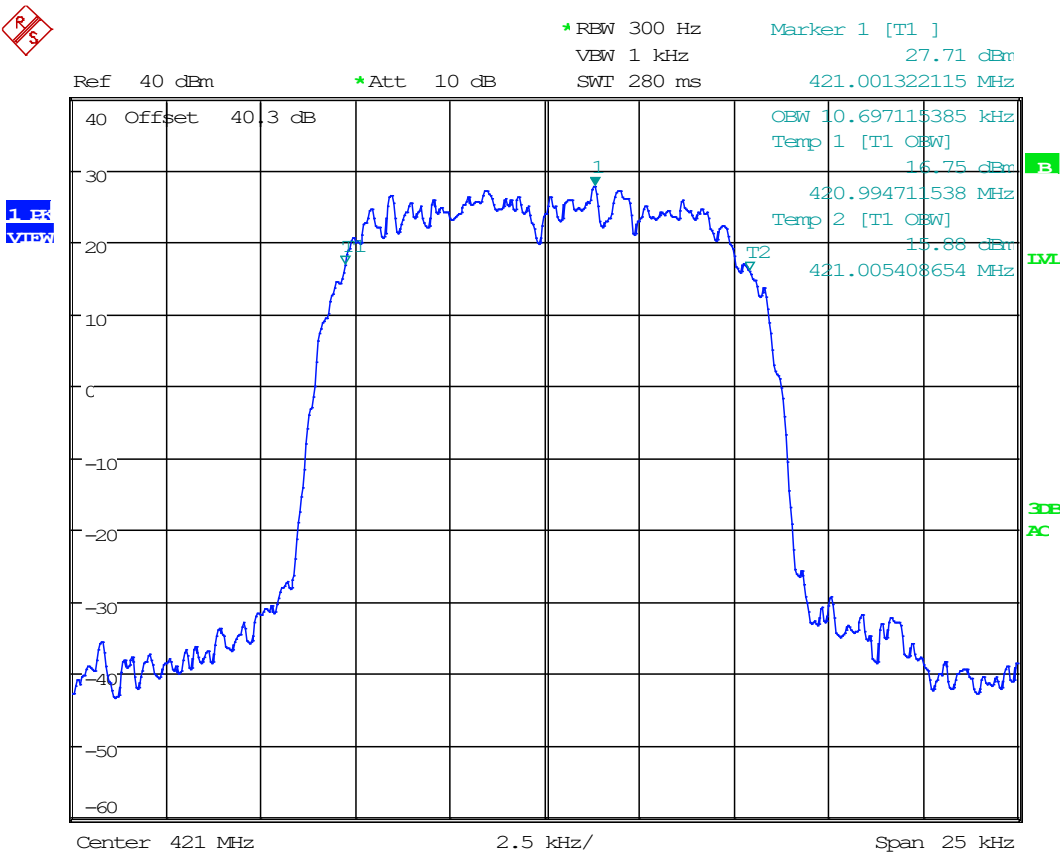
Date: 12.MAY.2020 11:10:37

OCCUPIED BANDWIDTH (421.000MHz, 25k Wide, 4QAM)



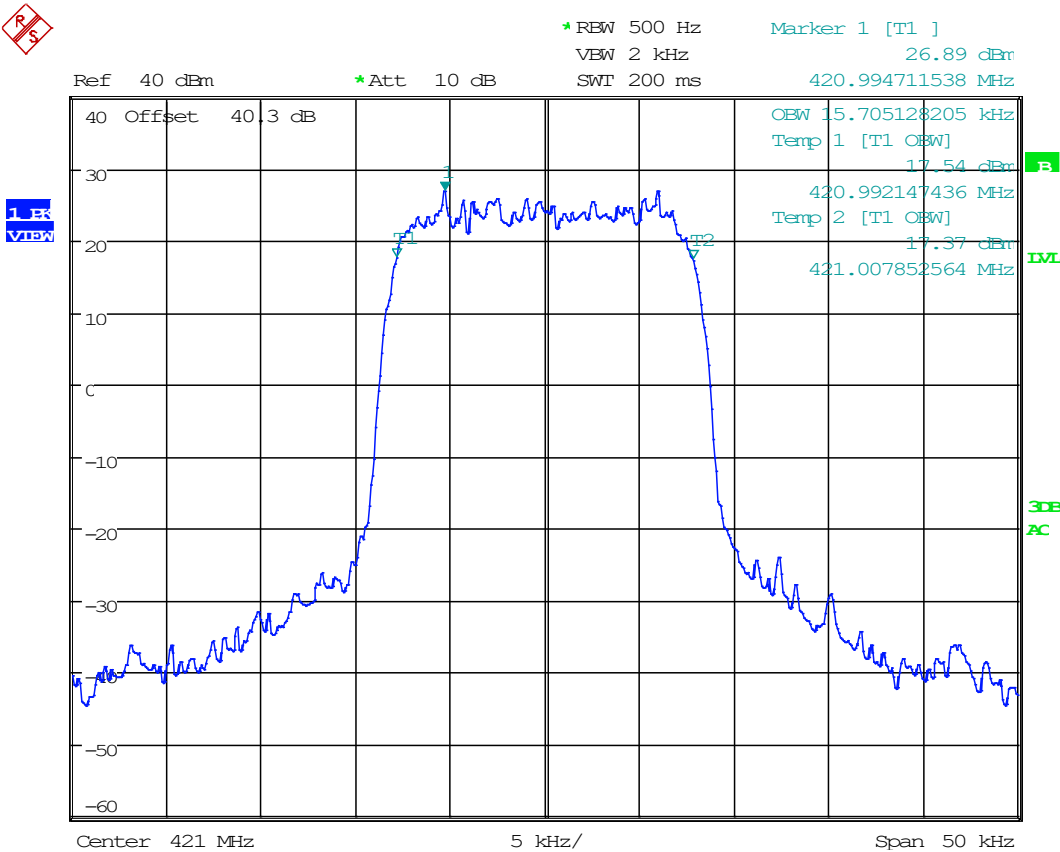
Date: 20.MAY.2020 13:00:45

OCCUPIED BANDWIDTH (421.000MHz, 12.5k, 16QAM)



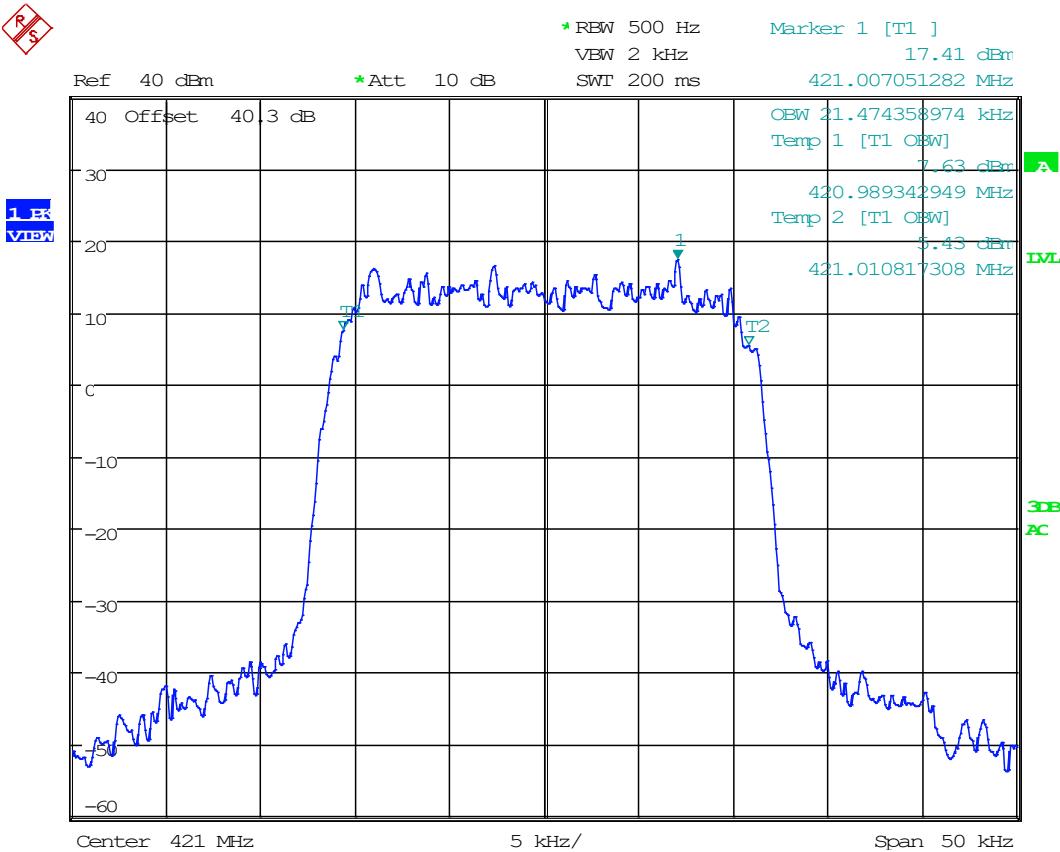
Date: 12.MAY.2020 10:45:03

OCCUPIED BANDWIDTH (421.000MHz, 25k, 16QAM)



Date: 12.MAY.2020 11:24:18

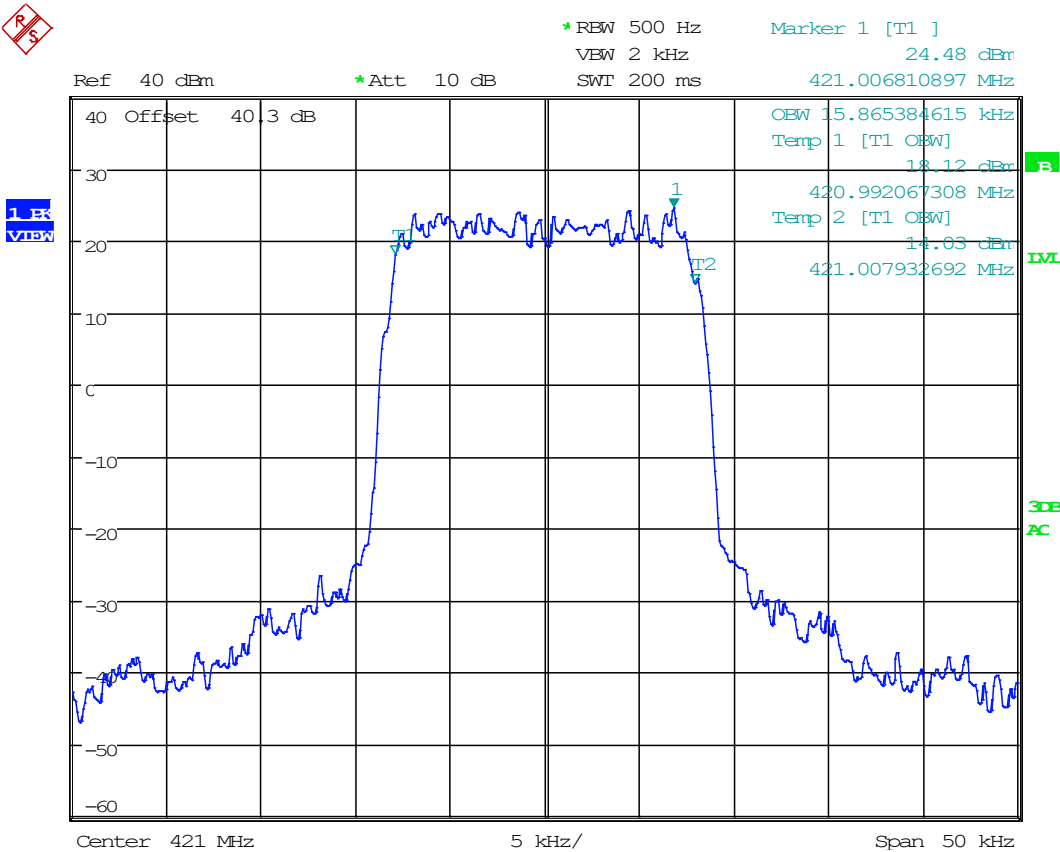
OCCUPIED BANDWIDTH (421.000MHz, 25k Wide, 16QAM)



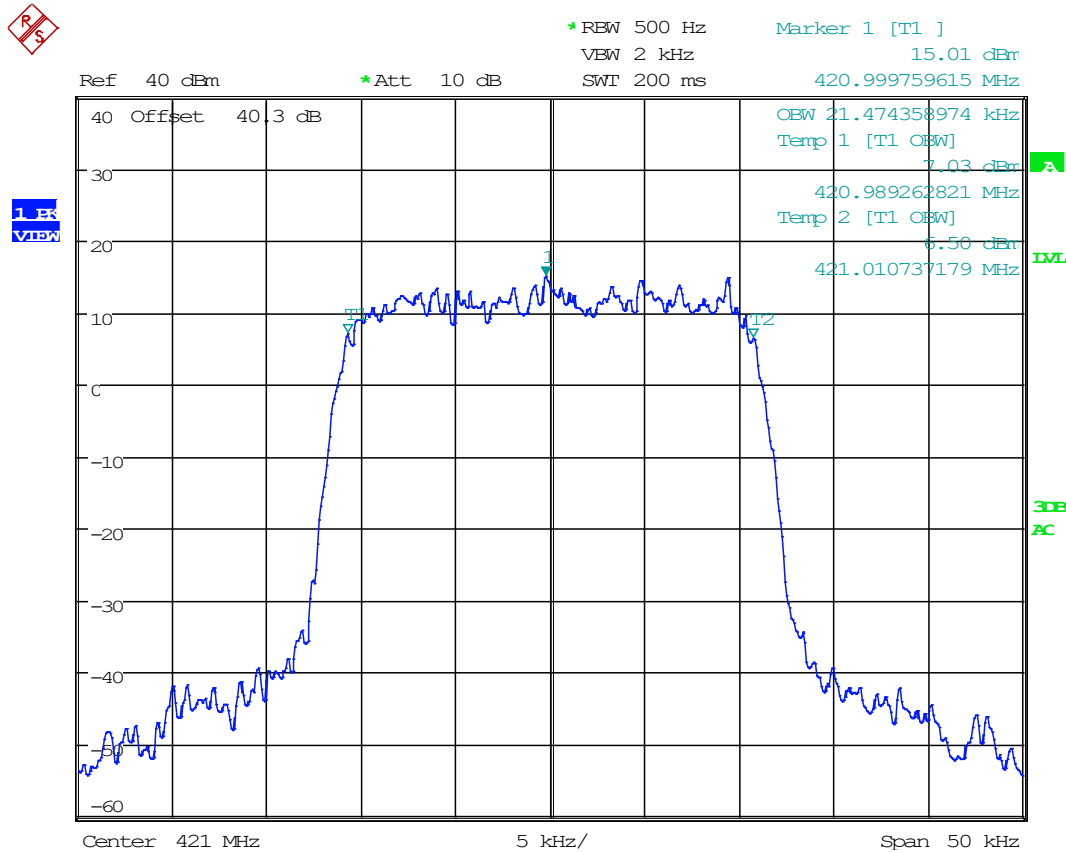
Date: 20.MAY.2020 13:04:05



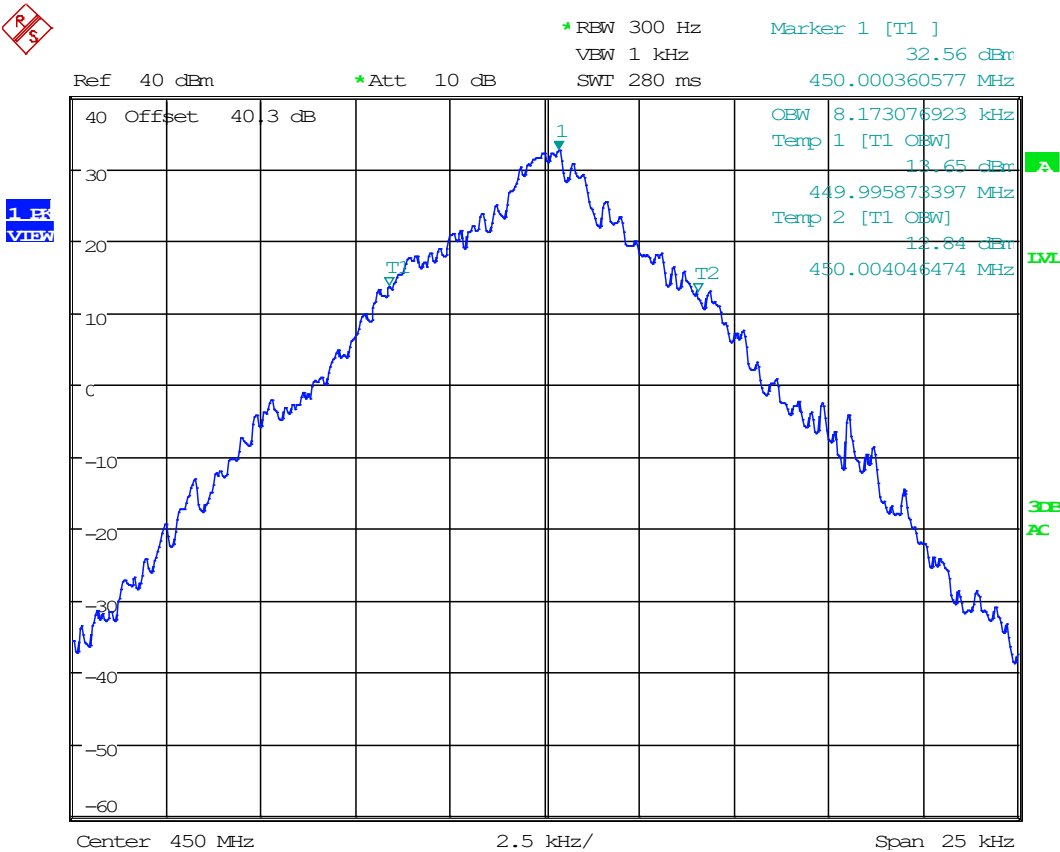
OCCUPIED BANDWIDTH (421.000MHz, 25k, 64QAM)



Date: 12.MAY.2020 11:35:12

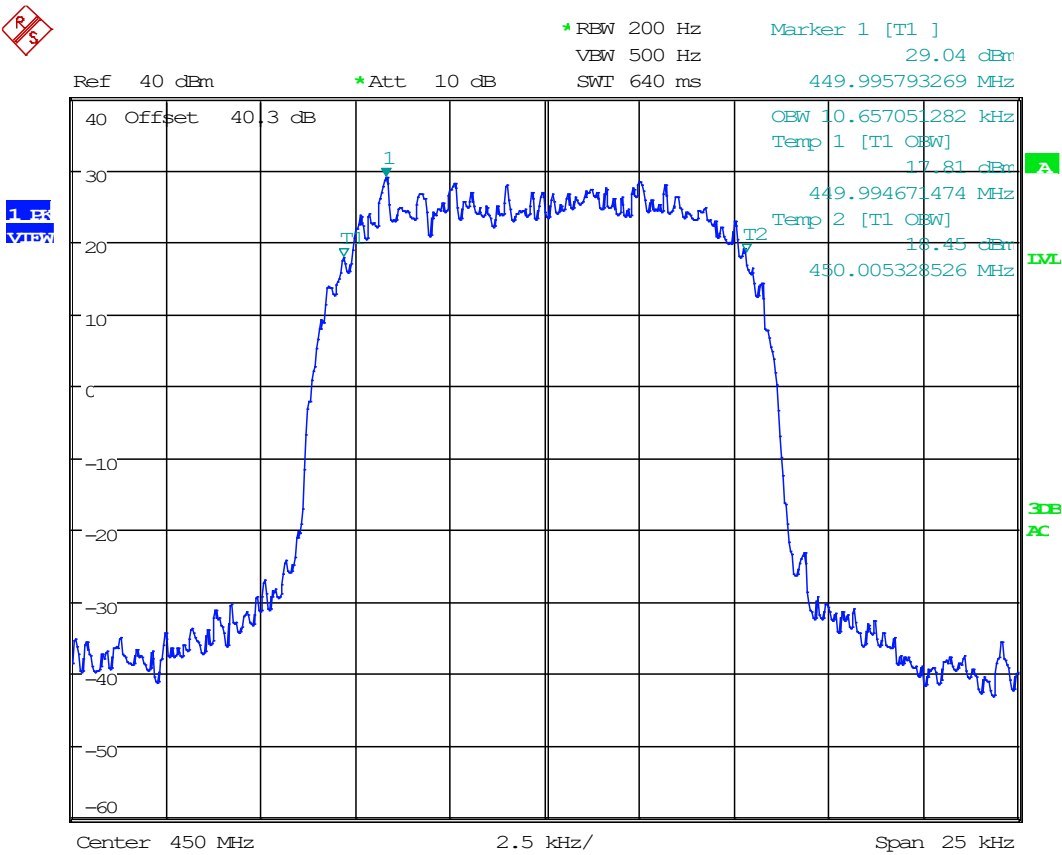
OCCUPIED BANDWIDTH (421.000MHz, 25k Wide, 64QAM)

OCCUPIED BANDWIDTH (450.000MHz, 12.5k, GMSK)



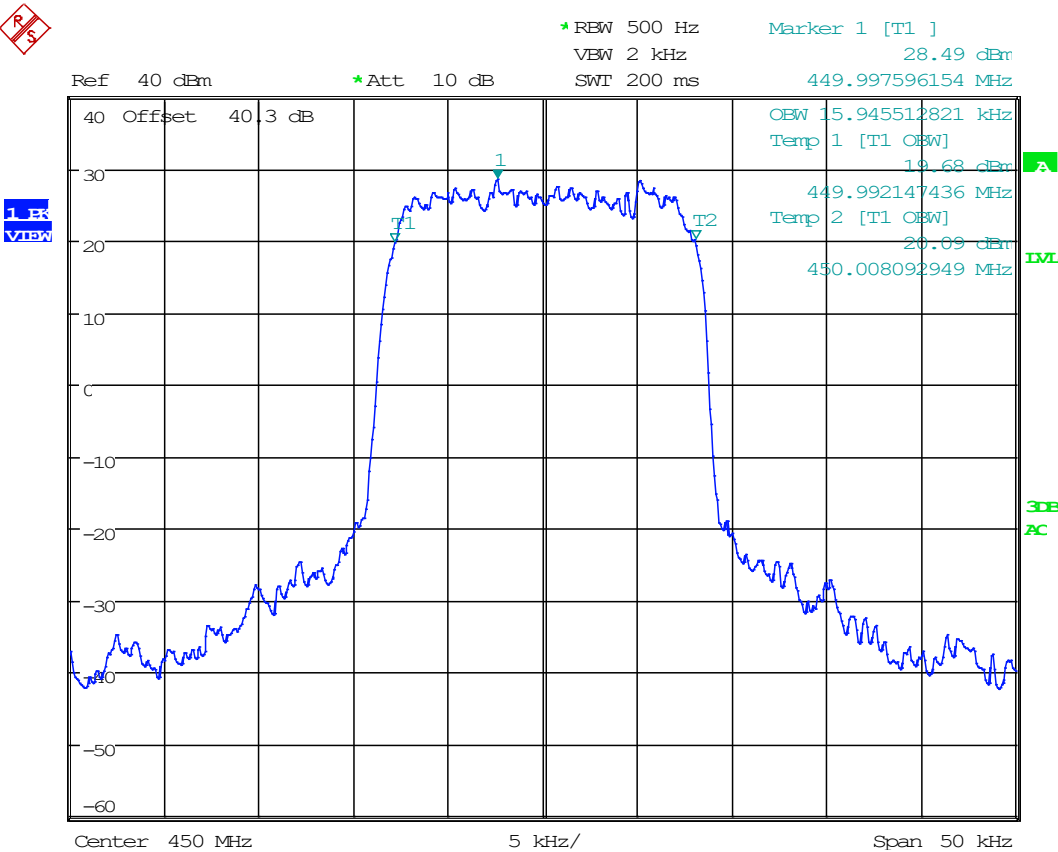
Date: 13.MAY.2020 10:26:29

OCCUPIED BANDWIDTH (450.000MHz, 12.5k, 4QAM)



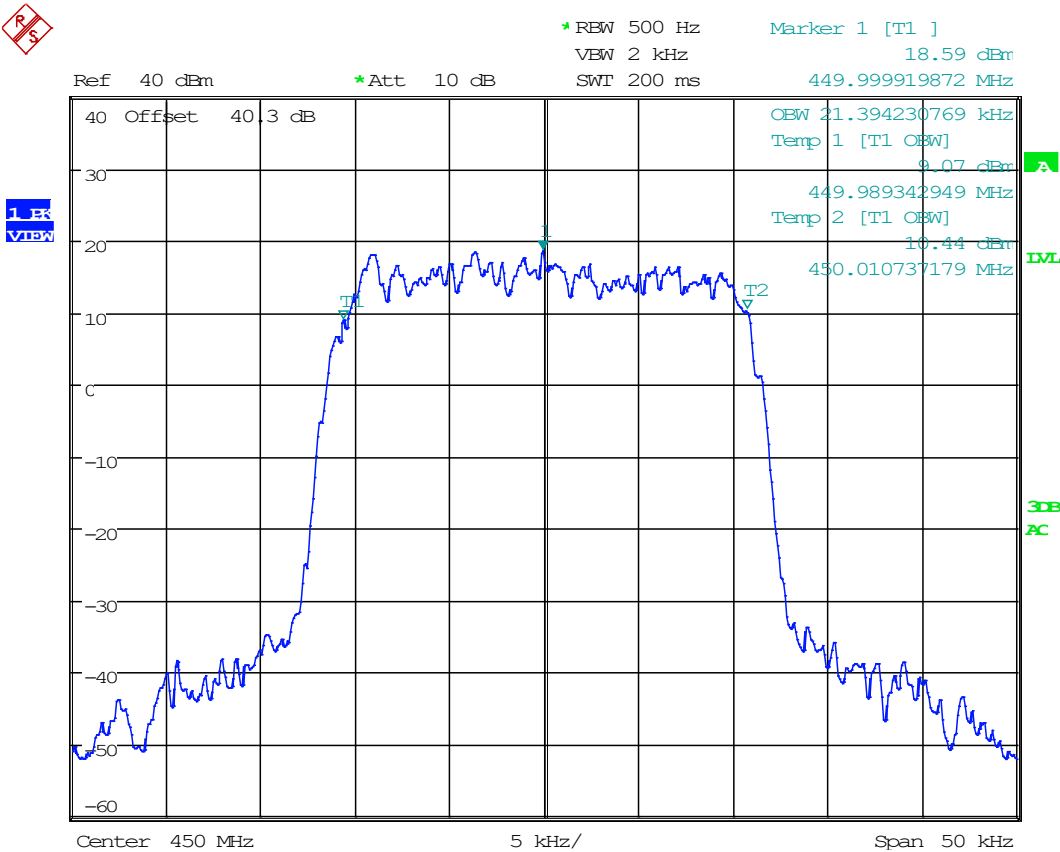
Date: 13.MAY.2020 10:51:41

OCCUPIED BANDWIDTH (450.000MHz, 25k, 4QAM)



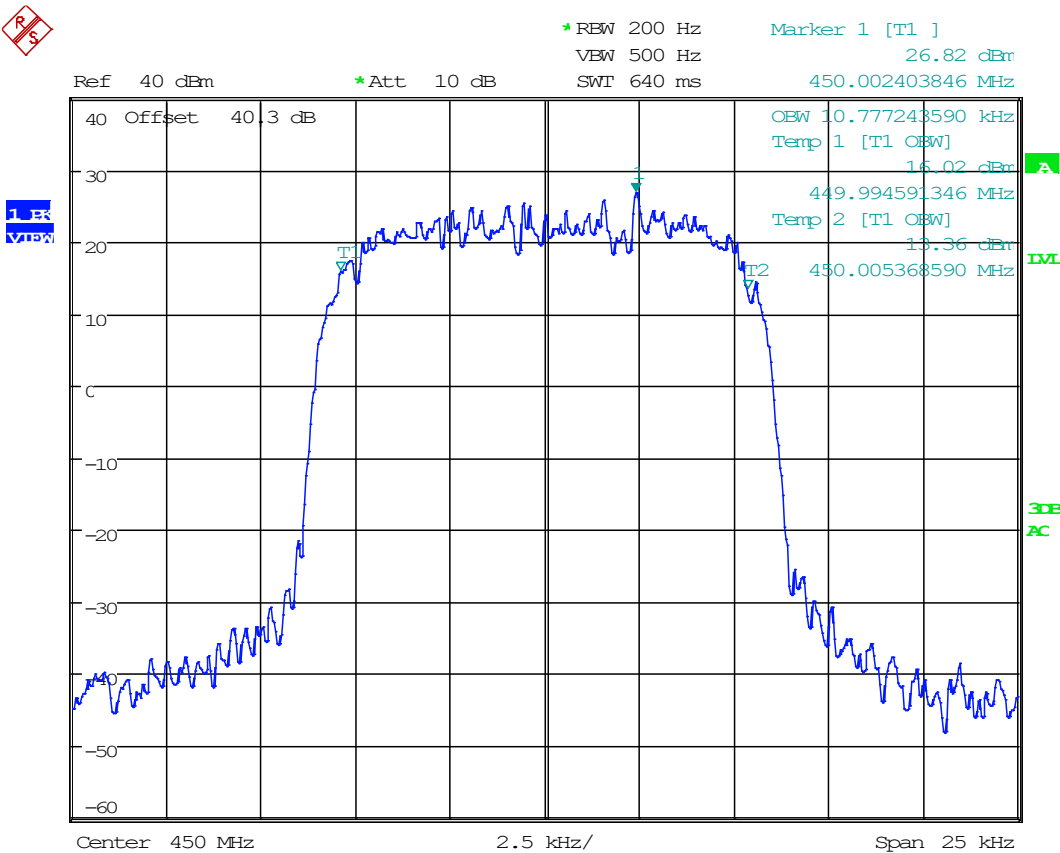
Date: 13.MAY.2020 11:27:39

OCCUPIED BANDWIDTH (450.000MHz, 25k Wide, 4QAM)



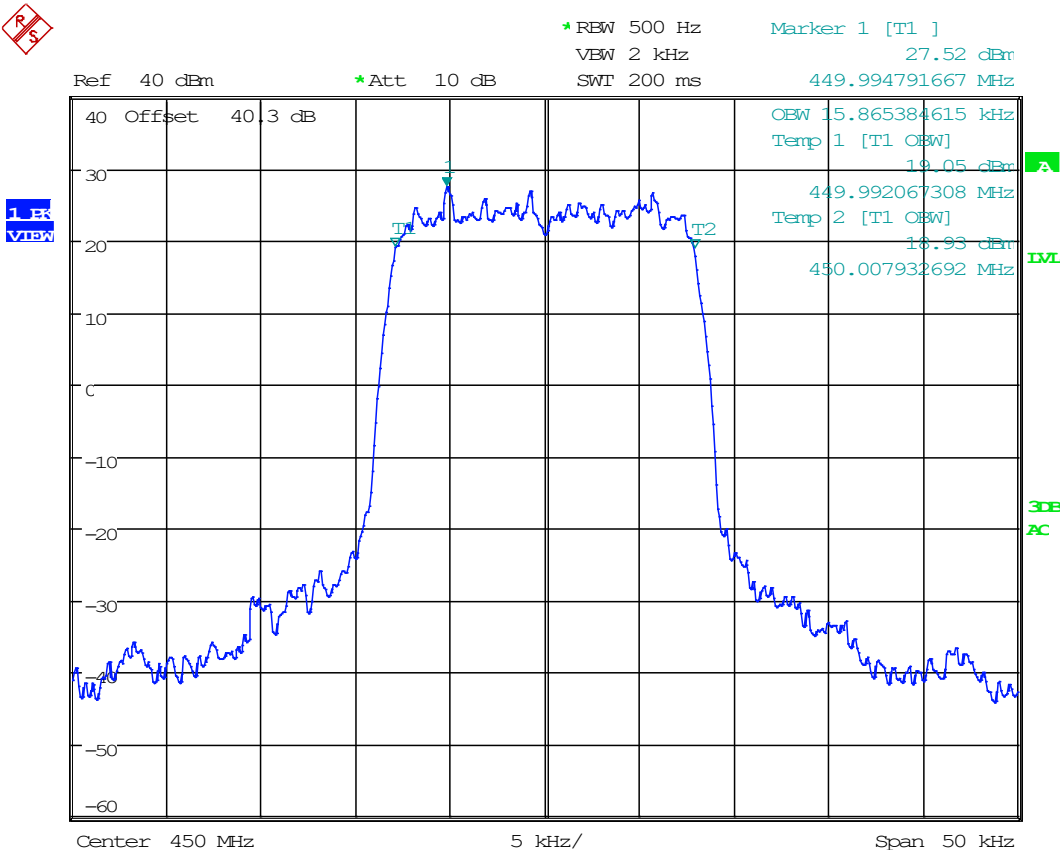
Date: 20.MAY.2020 12:29:06

OCCUPIED BANDWIDTH (450.000MHz, 12.5k, 16QAM)



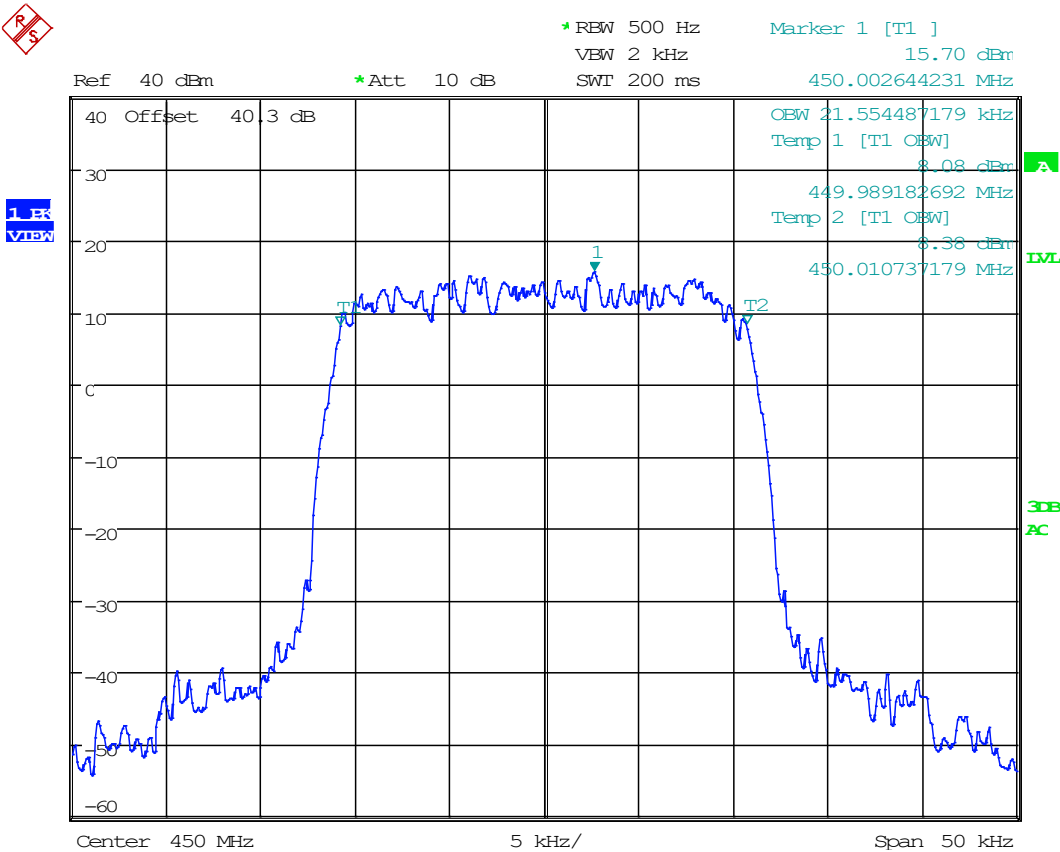
Date: 13.MAY.2020 11:14:36

OCCUPIED BANDWIDTH (450.000MHz, 25k, 16QAM)



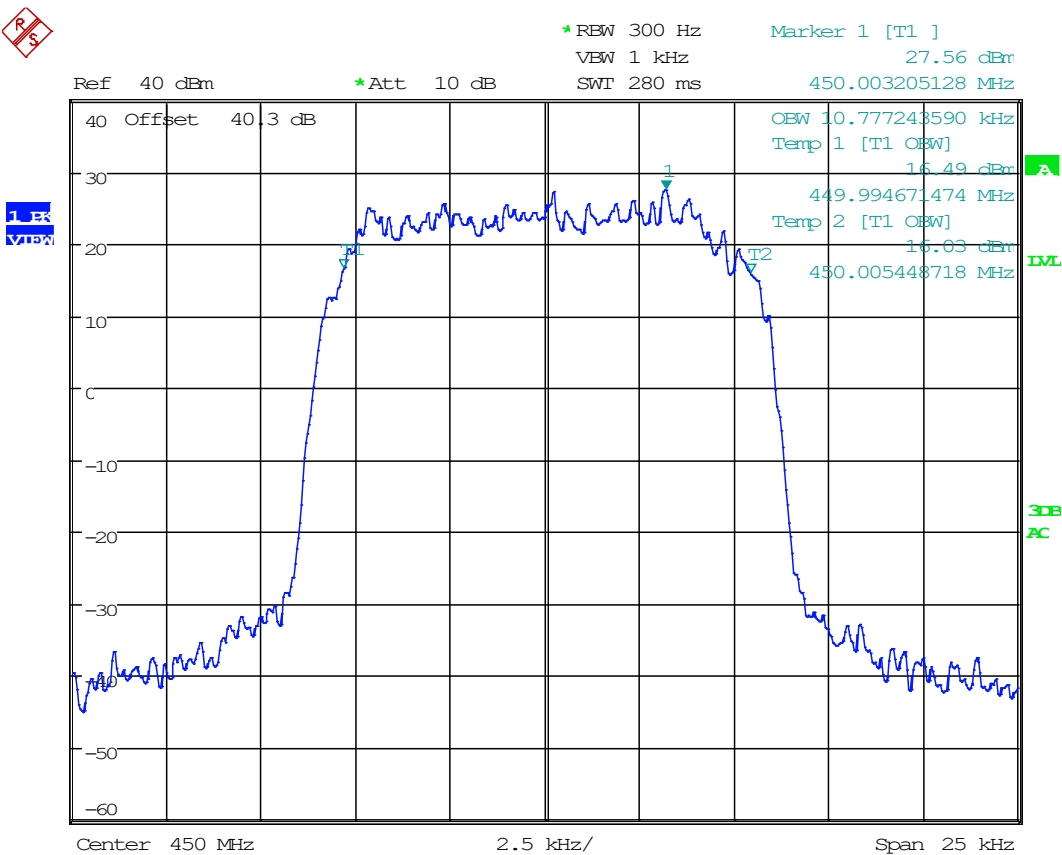
Date: 13.MAY.2020 11:41:32

OCCUPIED BANDWIDTH (450.000MHz, 25k Wide, 16QAM)



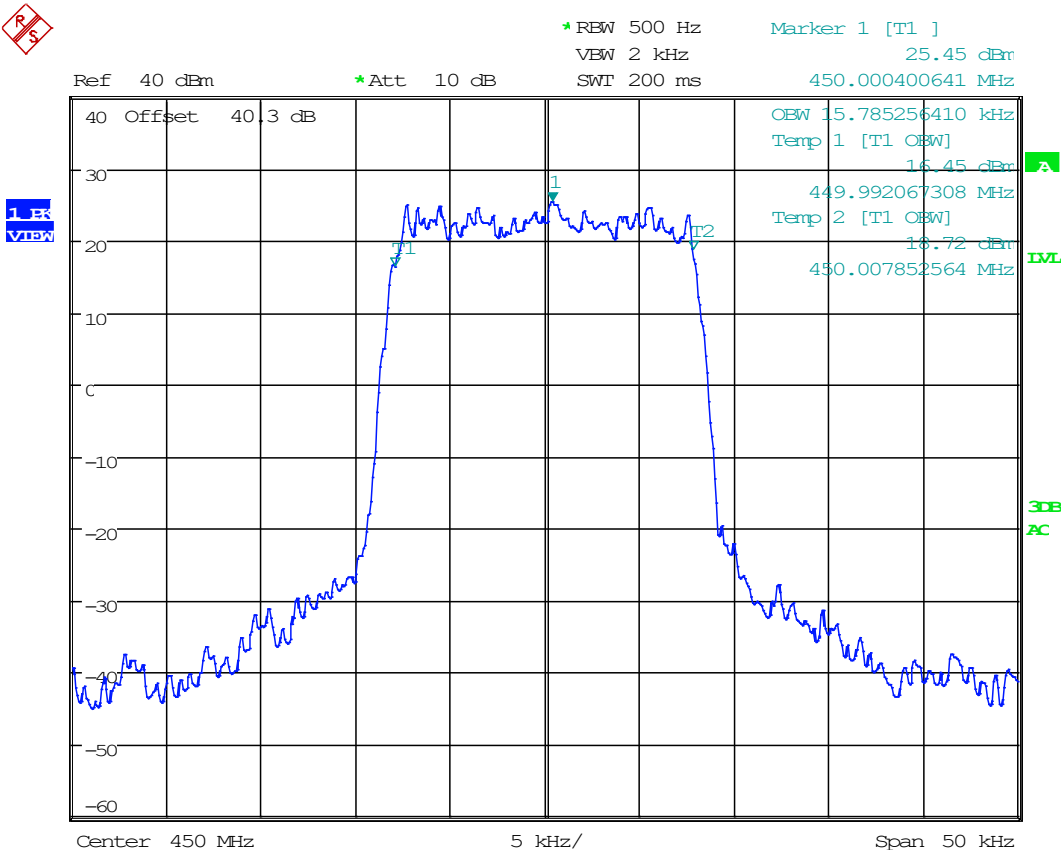
Date: 20.MAY.2020 12:39:01

OCCUPIED BANDWIDTH (450.000MHz, 12.5k, 64QAM)



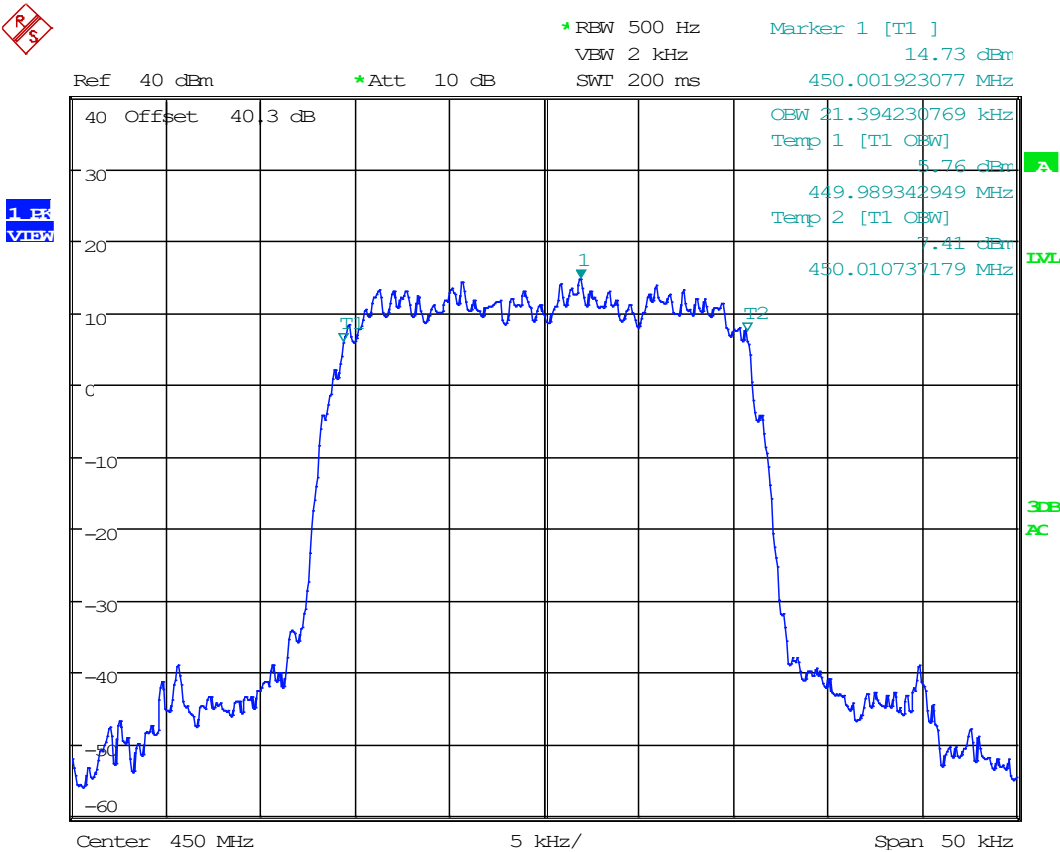
Date: 13.MAY.2020 11:24:16

OCCUPIED BANDWIDTH (450.000MHz, 25k, 64QAM)



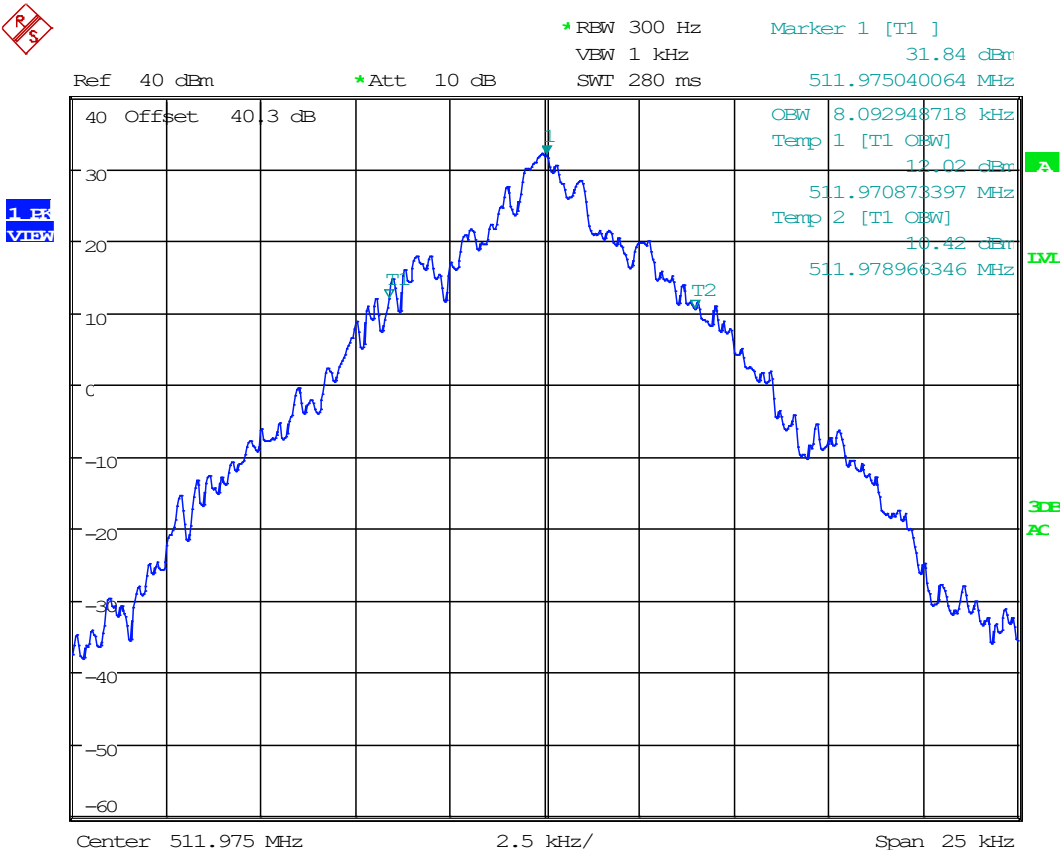
Date: 13.MAY.2020 11:54:27

OCCUPIED BANDWIDTH (450.000MHz, 25k Wide, 64QAM)



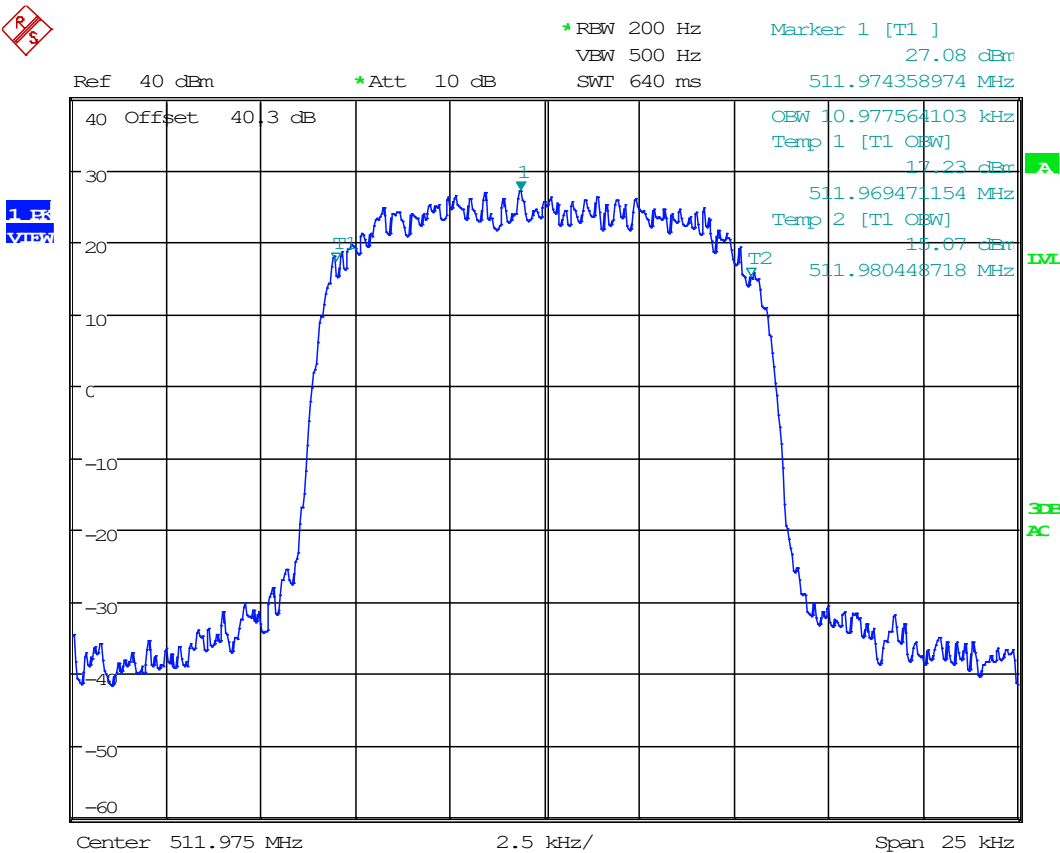
Date: 20.MAY.2020 12:43:52

OCCUPIED BANDWIDTH (511.975MHz, 12.5k, GMSK)



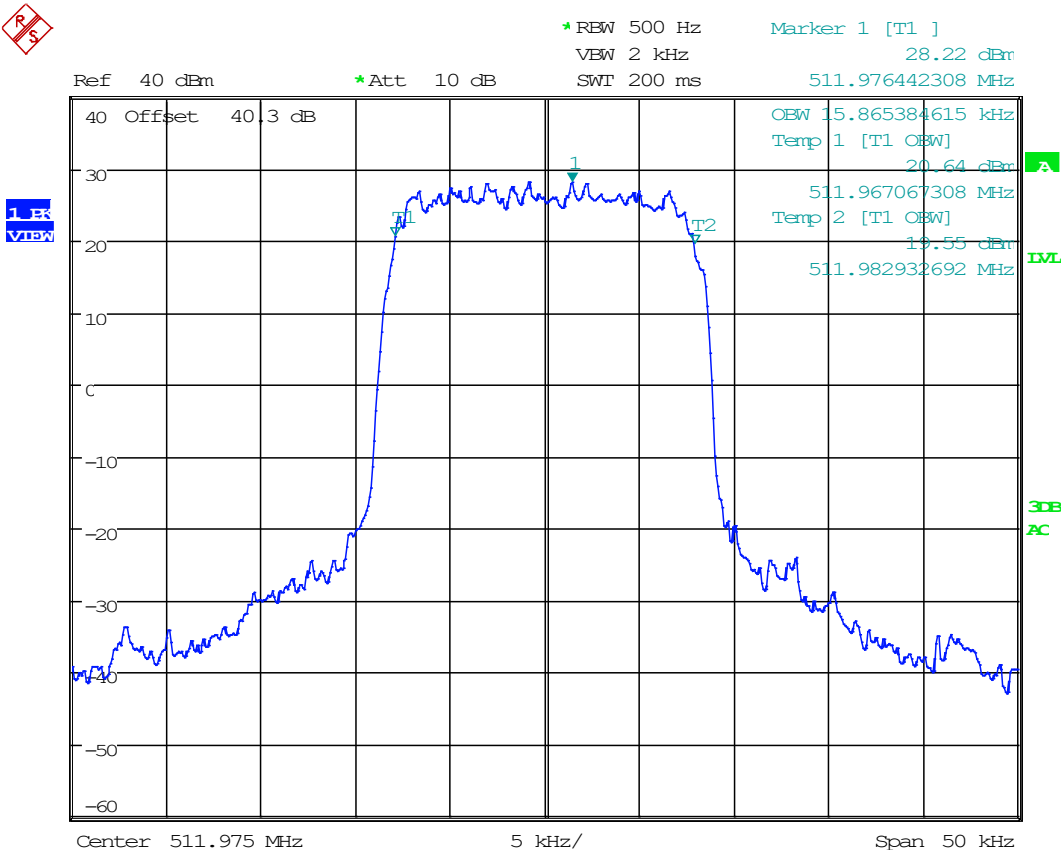
Date: 13.MAY.2020 10:27:30

OCCUPIED BANDWIDTH (511.975MHz, 12.5k, 4QAM)



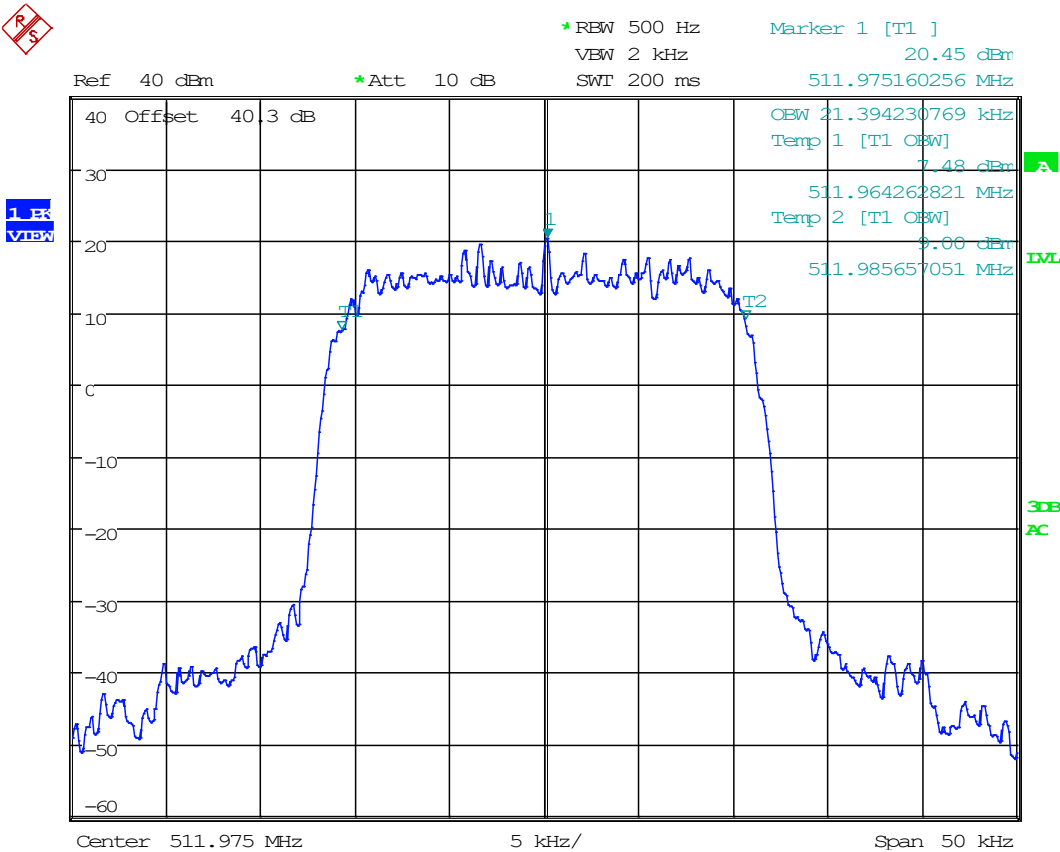
Date: 13.MAY.2020 10:48:03

OCCUPIED BANDWIDTH (511.975MHz, 25k, 4QAM)

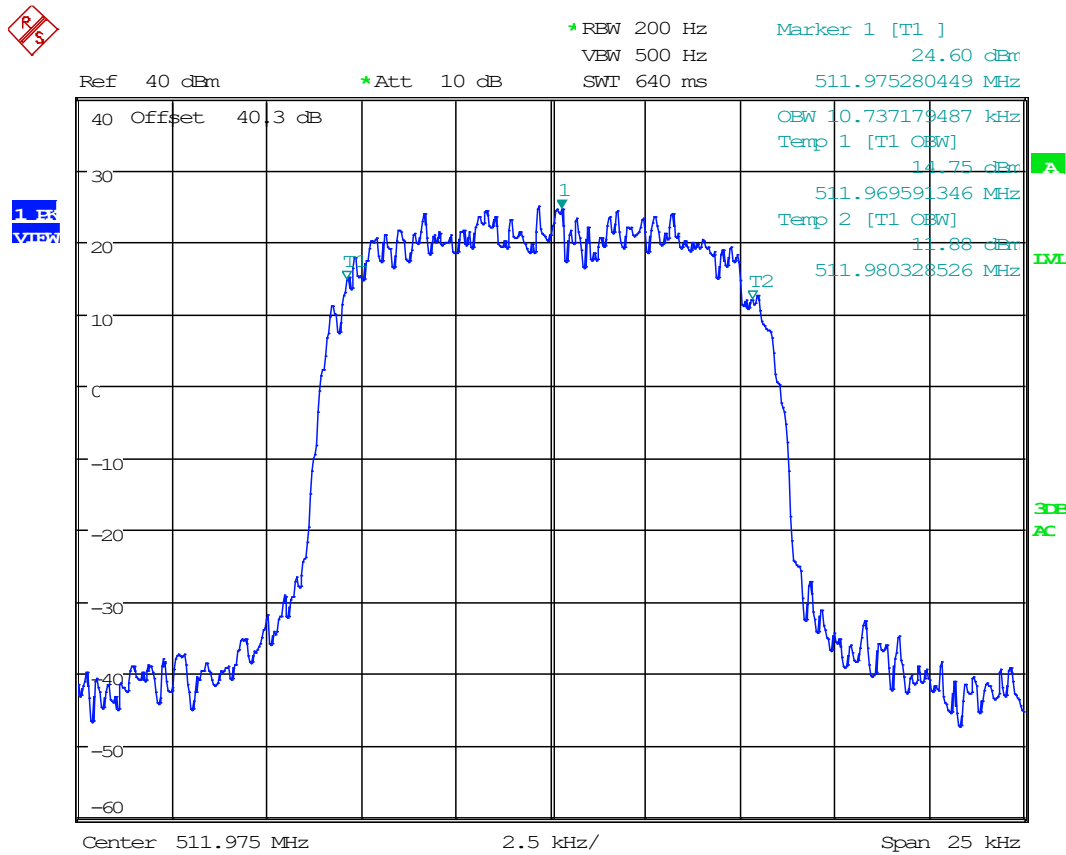


Date: 13.MAY.2020 11:28:38

OCCUPIED BANDWIDTH (511.975MHz, 25k Wide, 4QAM)

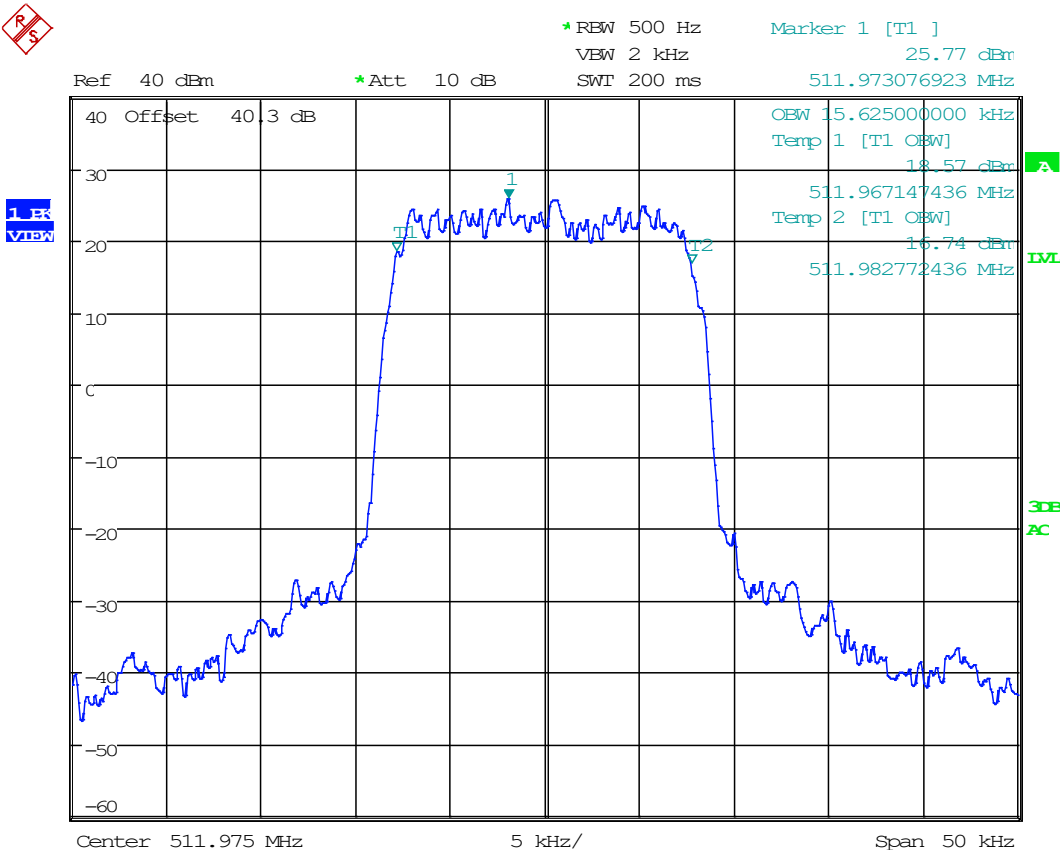


Date: 20.MAY.2020 12:30:53

OCCUPIED BANDWIDTH (511.975MHz, 12.5k, 16QAM)

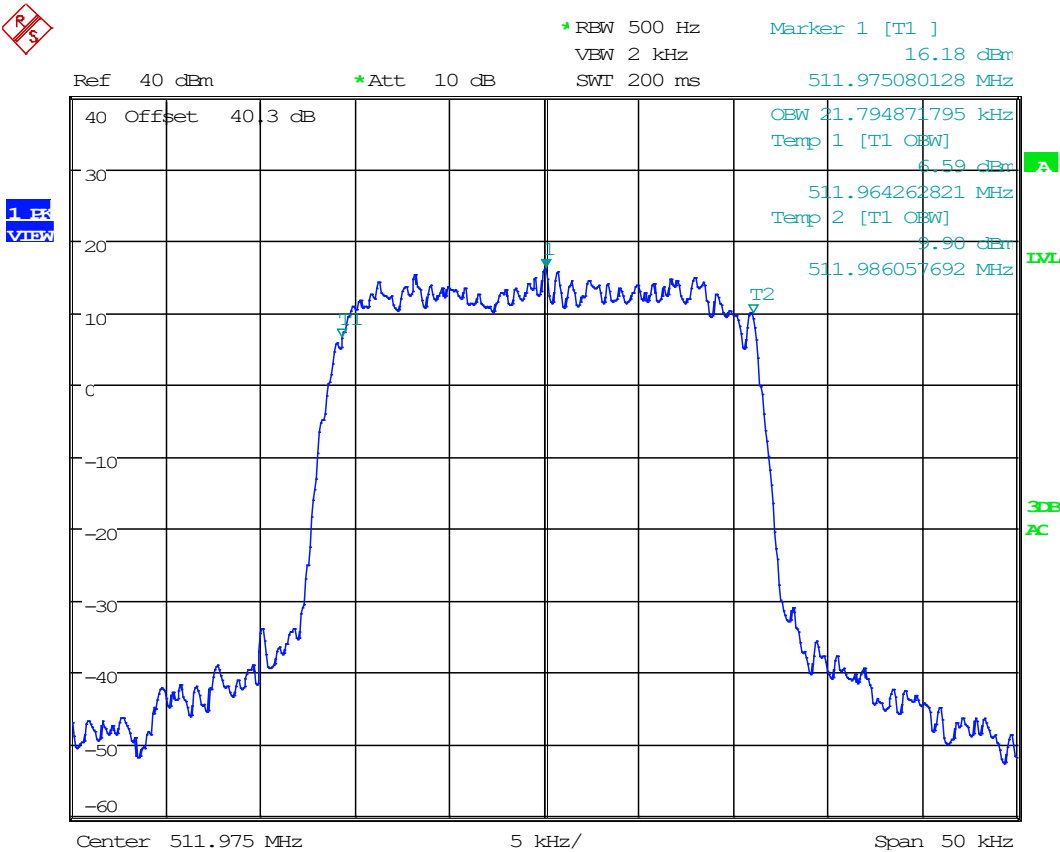
Date: 13.MAY.2020 11:15:03

OCCUPIED BANDWIDTH (511.975MHz, 25k, 16QAM)



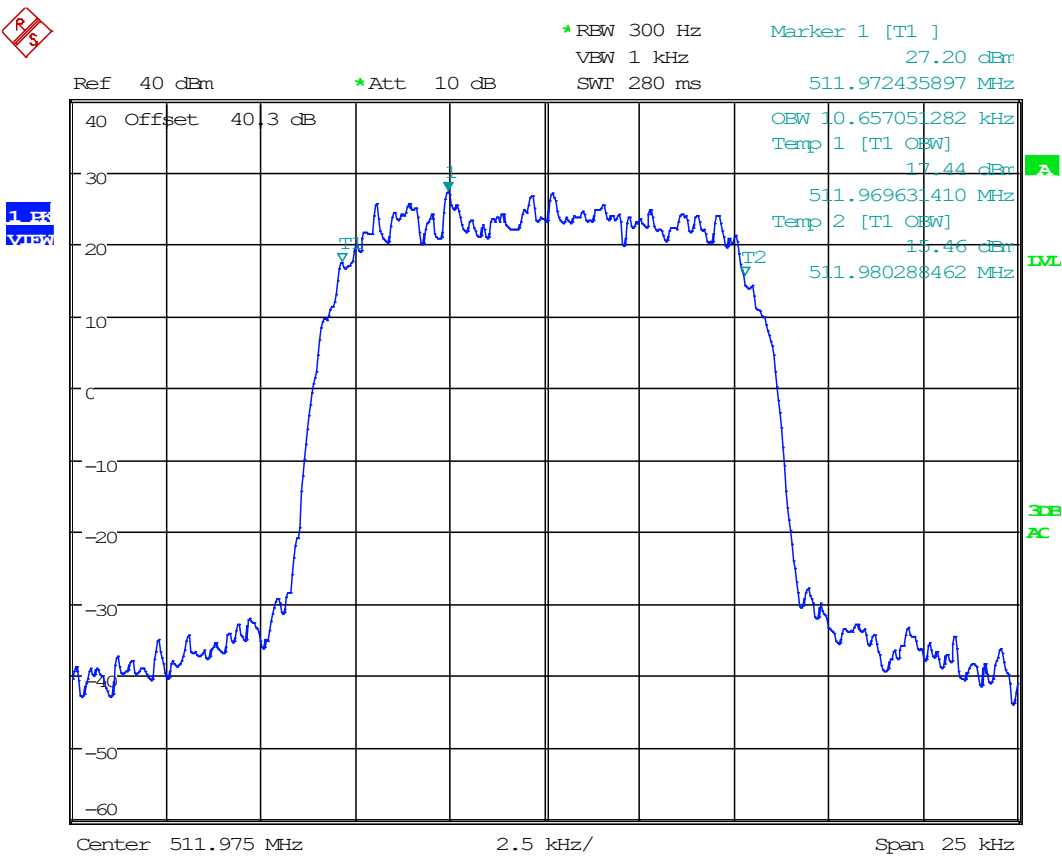
Date: 13.MAY.2020 11:40:48

OCCUPIED BANDWIDTH (511.975MHz, 25k Wide, 16QAM)



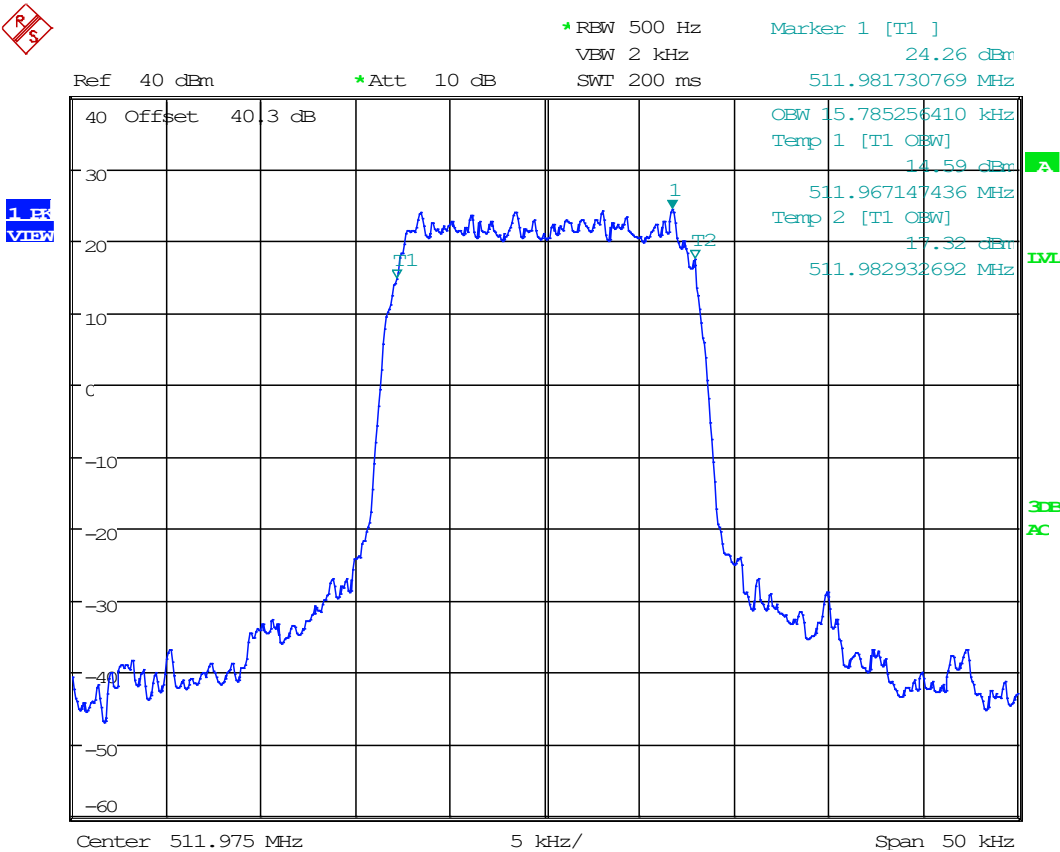
Date: 20.MAY.2020 12:40:15

OCCUPIED BANDWIDTH (511.975MHz, 12.5k, 64QAM)



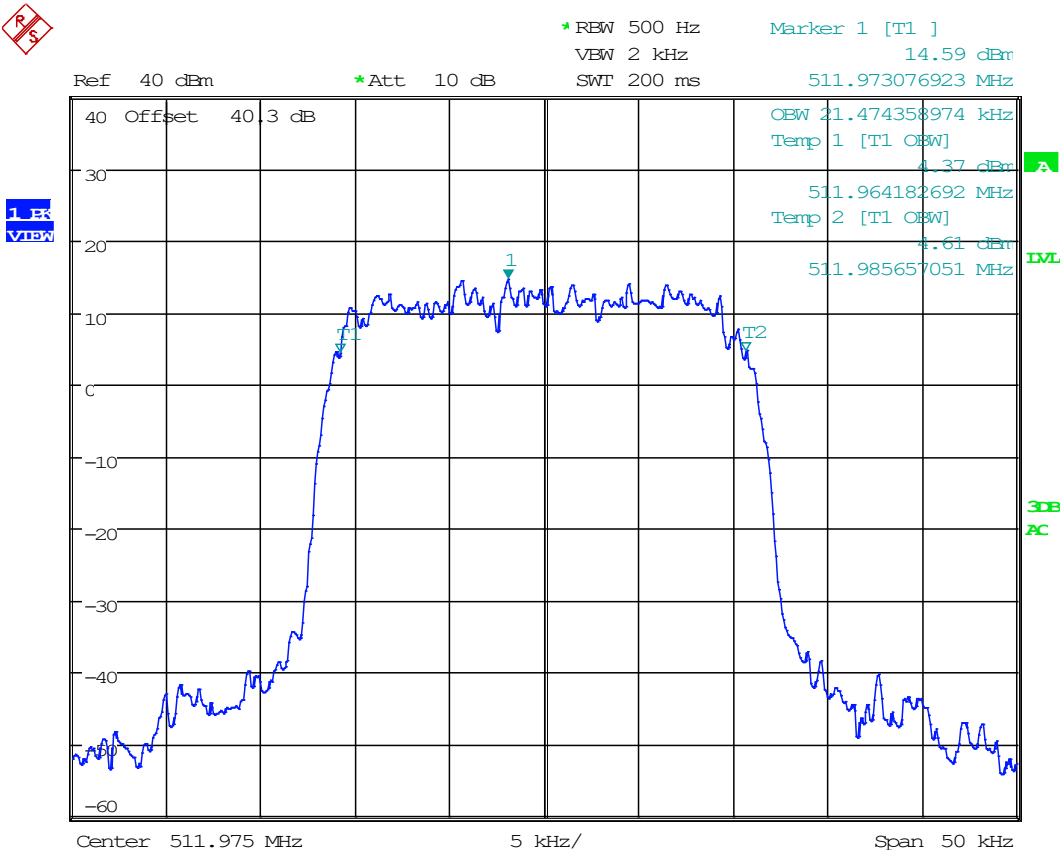
Date: 13.MAY.2020 11:23:45

OCCUPIED BANDWIDTH (511.975MHz, 25k, 64QAM)



Date: 13.MAY.2020 11:54:54

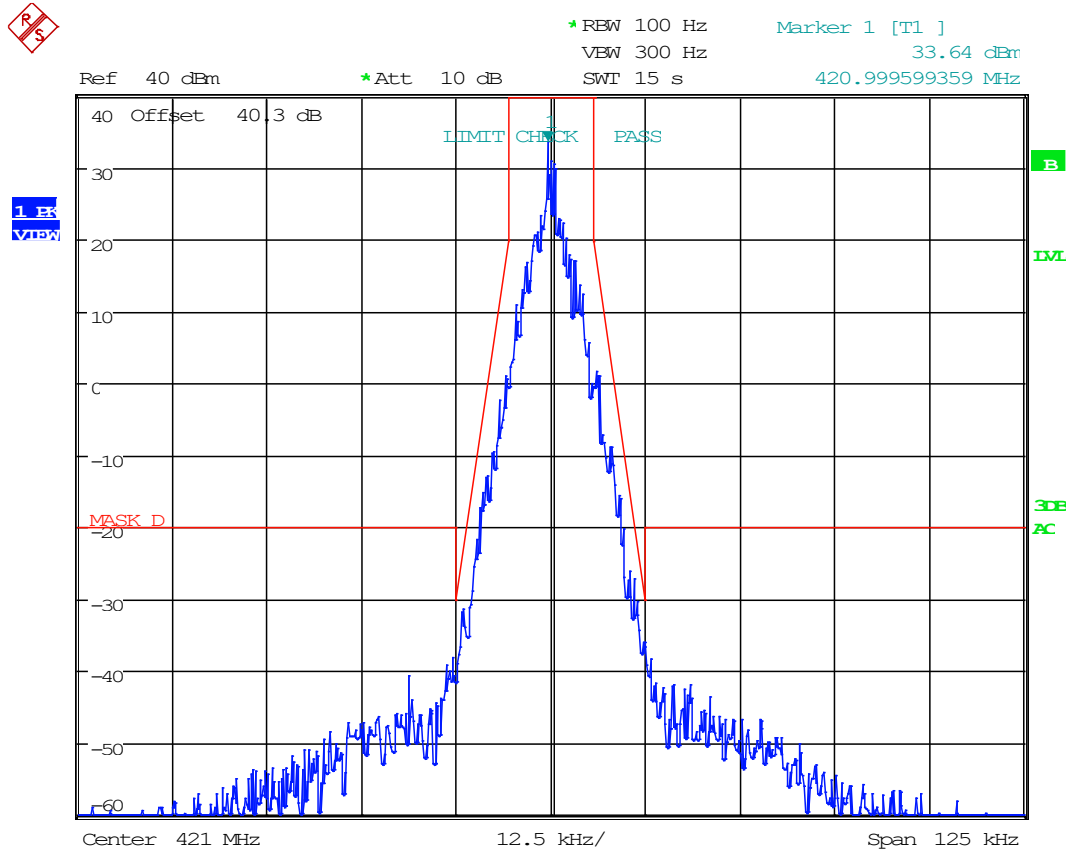
OCCUPIED BANDWIDTH (511.975MHz, 25k Wide, 64QAM)



Date: 20.MAY.2020 12:49:26

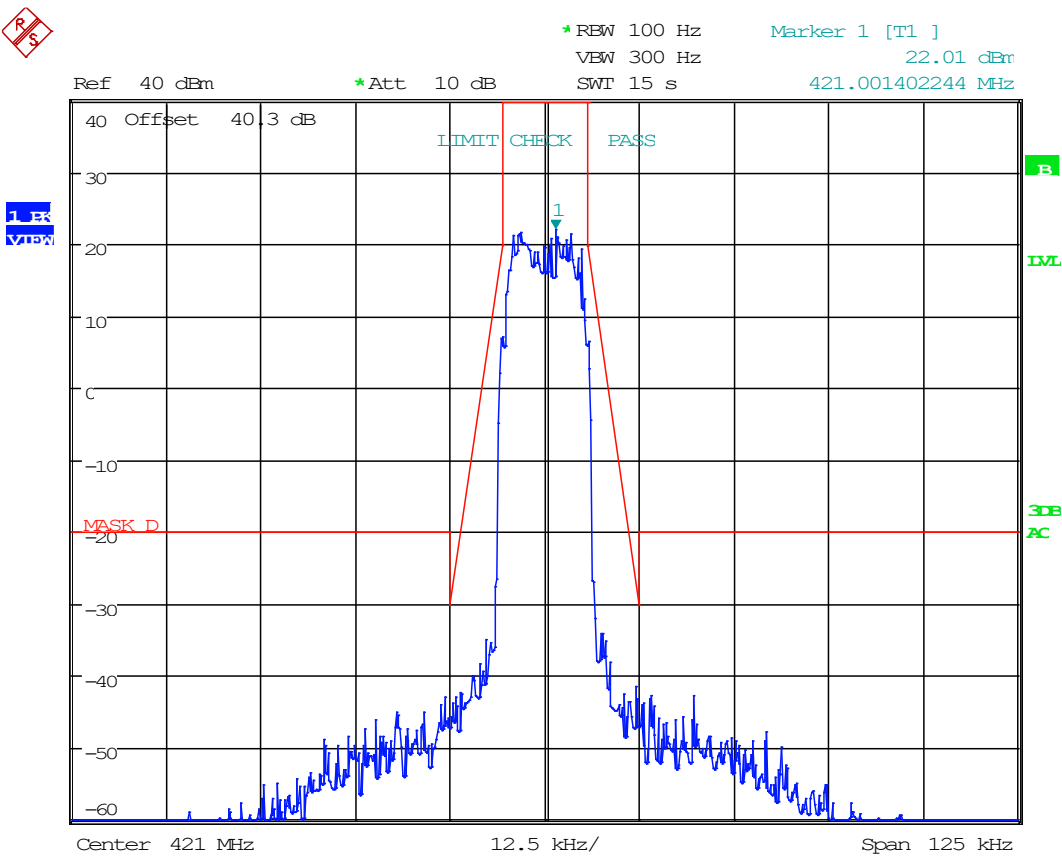
EMISSION MASK

Test Engineer: FR, TR
Test Date: 05/08/2020

EMISSION MASK (421.000MHz, 12.5k, GMSK)

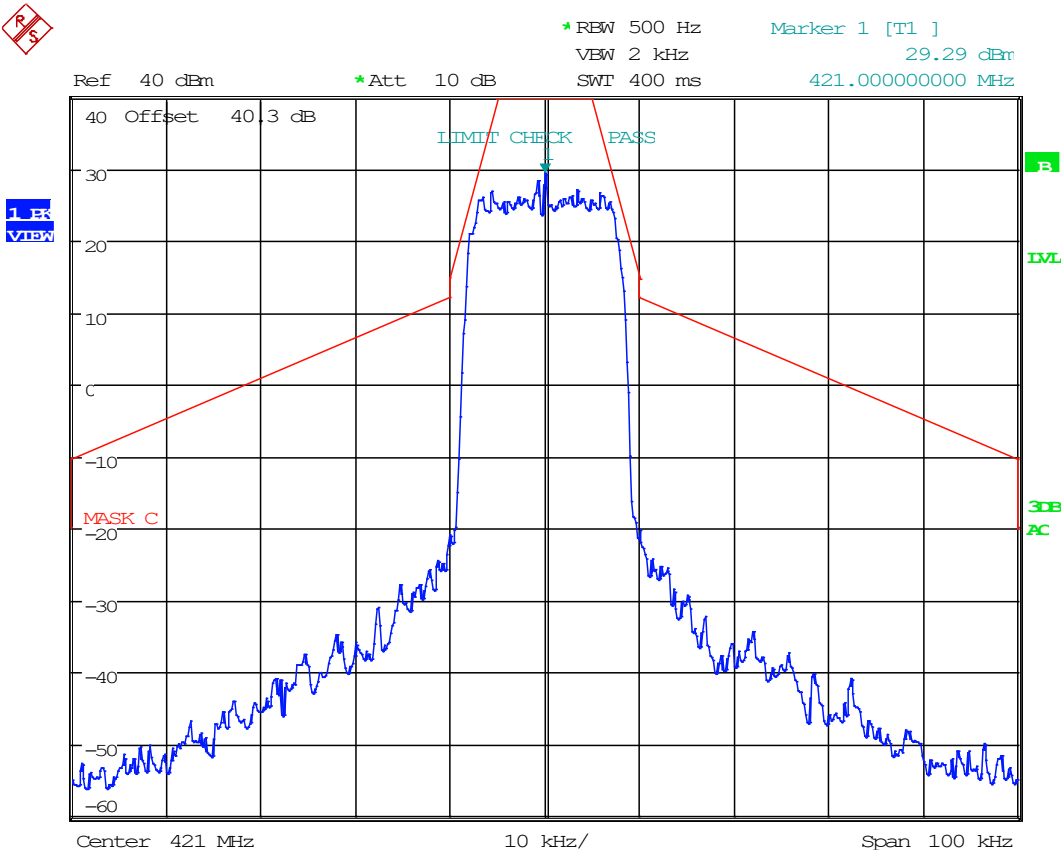
Date: 12.MAY.2020 12:24:22

EMISSION MASK (421.000MHz, 12.5k, 4QAM)



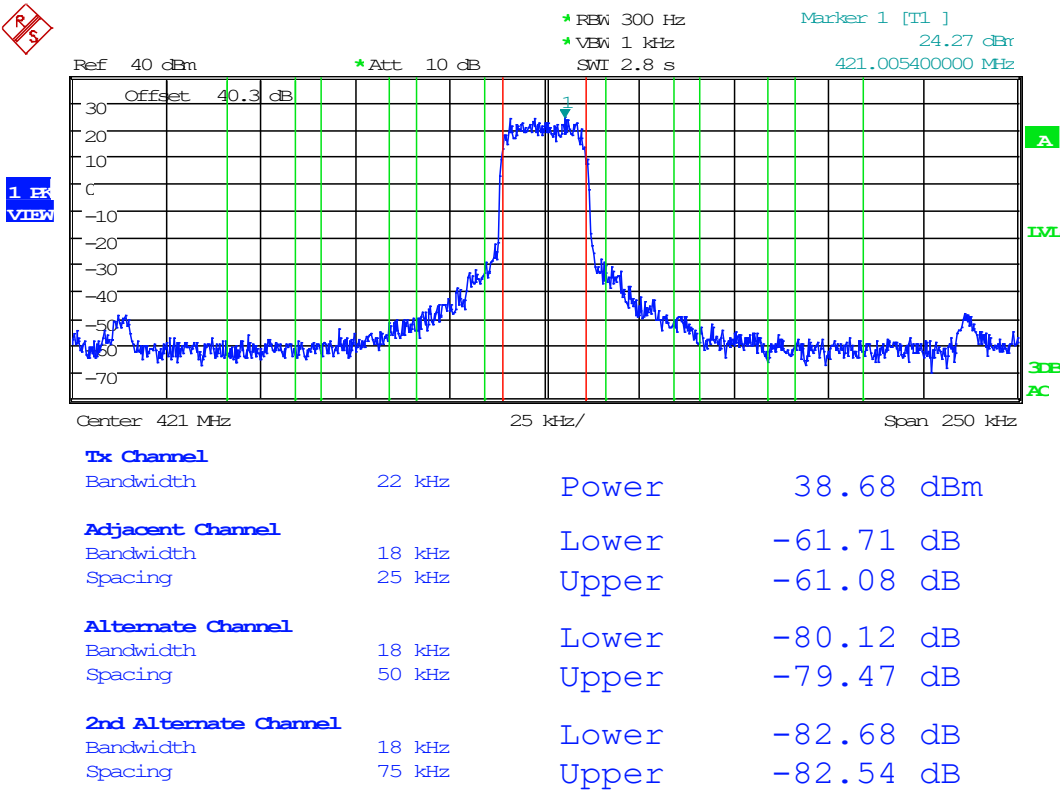
Date: 11.MAY.2020 13:17:42

EMISSION MASK (421.000MHz, 25k, 4QAM)



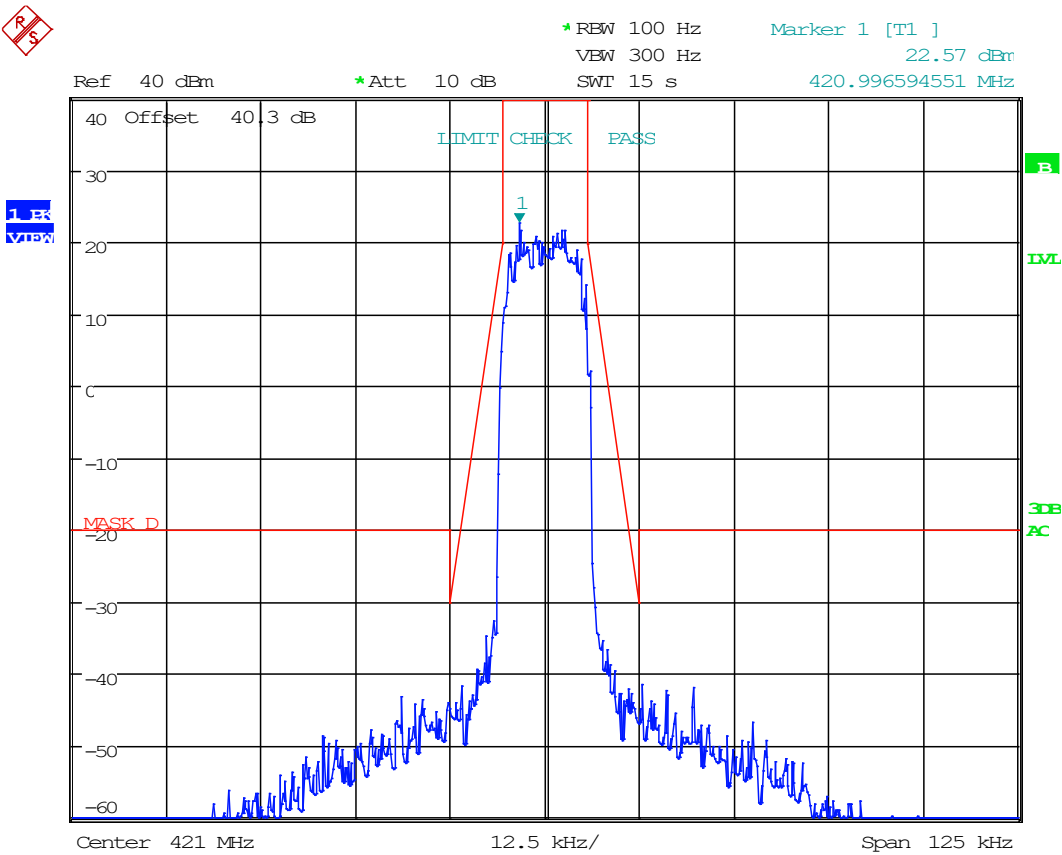
Date: 12.MAY.2020 11:11:33

ADJACENT CHANNEL POWER (421.000MHz, 25k Wide, 4QAM)



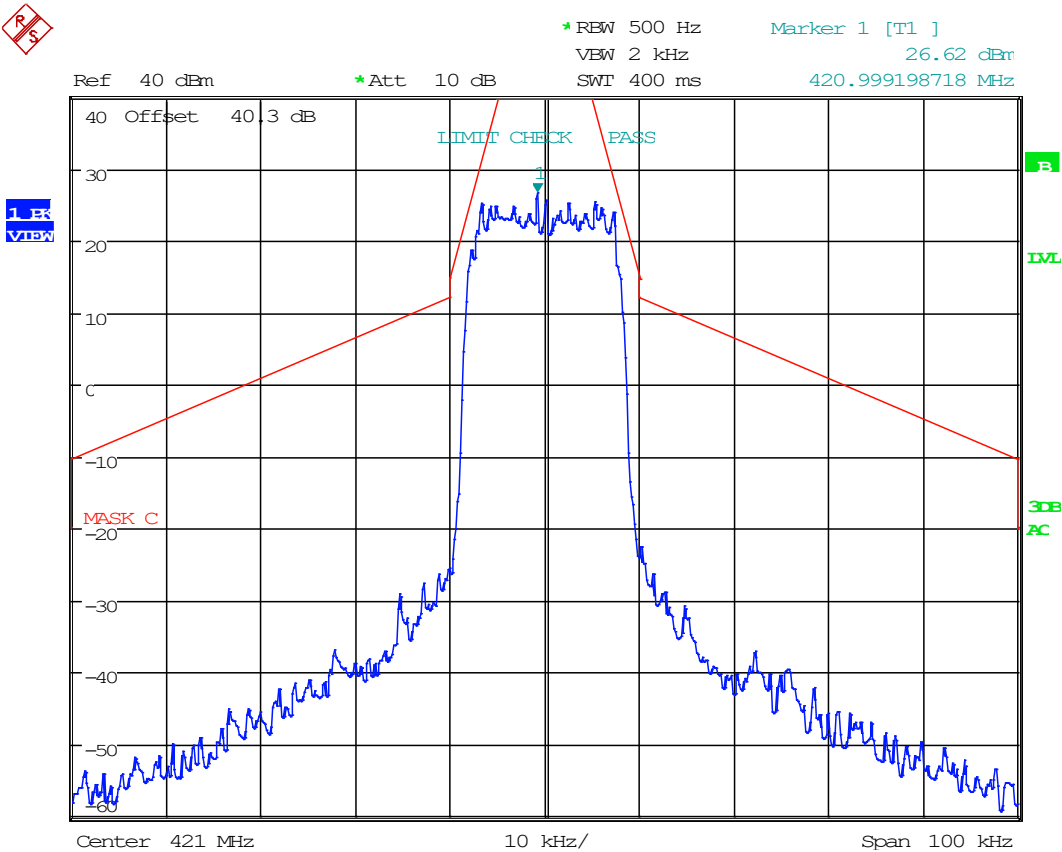
Date: 12.MAY.2020 11:57:09

EMISSION MASK (421.000MHz, 12.5k, 16QAM)



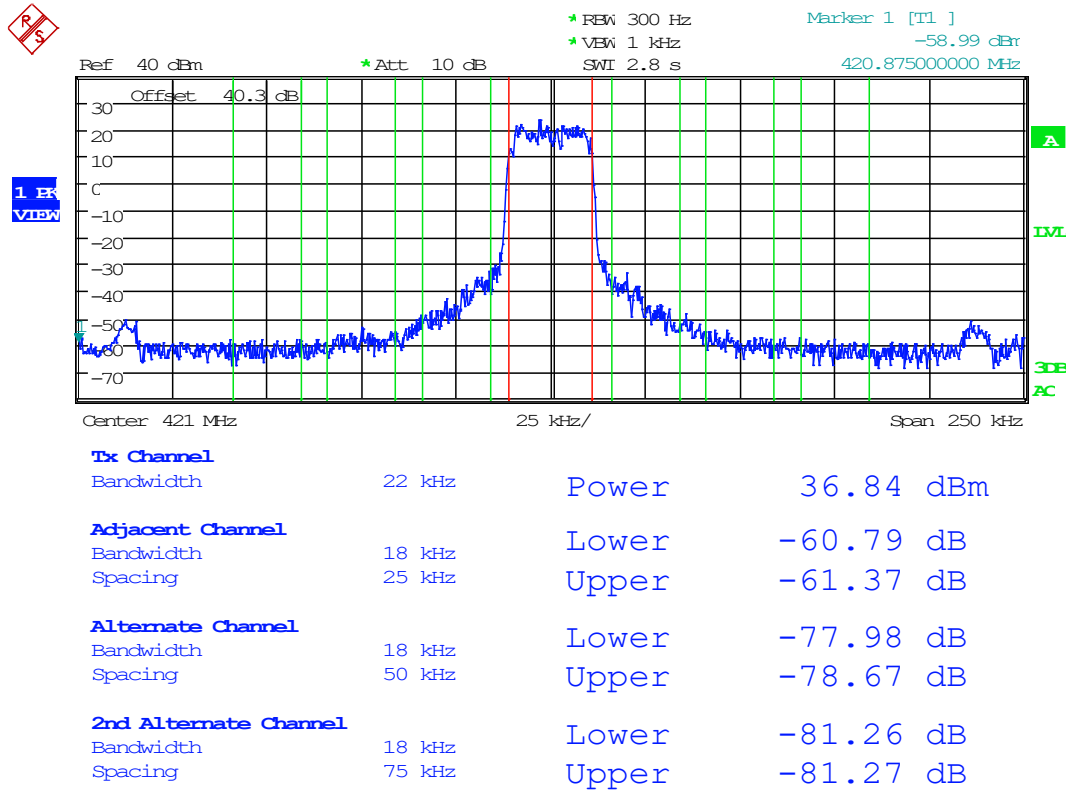
Date: 12.MAY.2020 10:46:10

EMISSION MASK (421.000MHz, 25k, 16QAM)



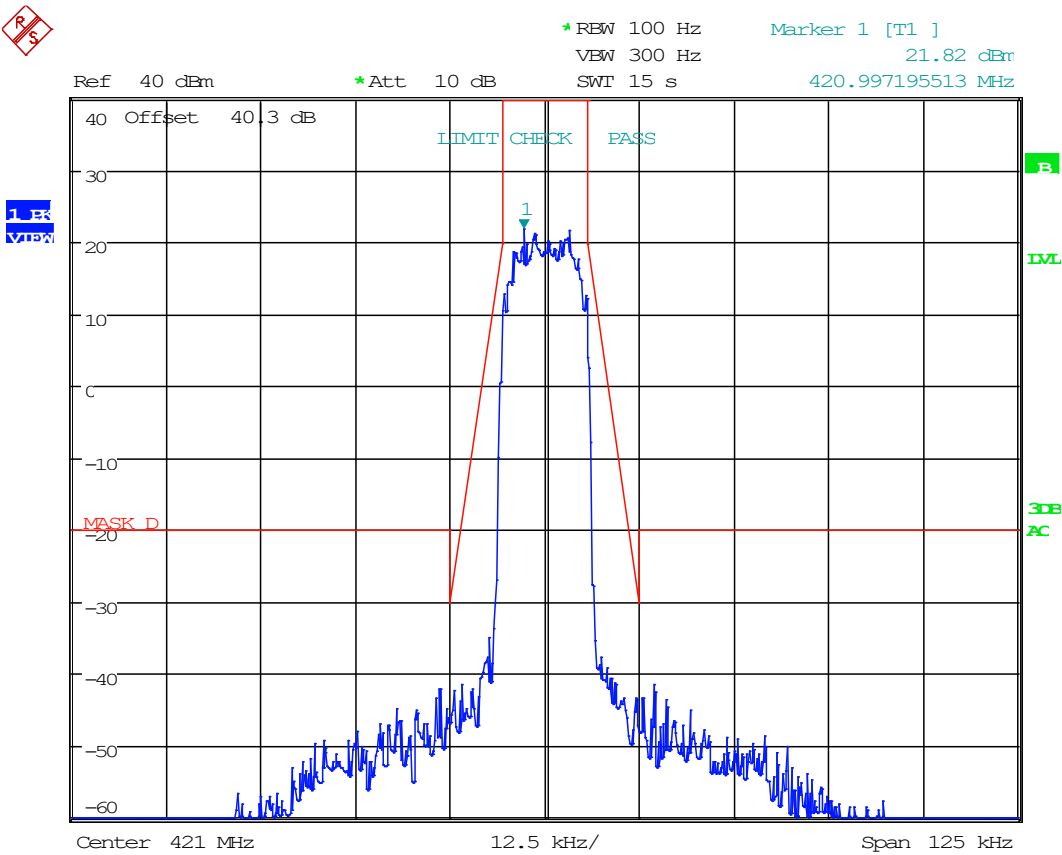
Date: 12.MAY.2020 11:25:05

ADJACENT CHANNEL POWER (421.000MHz, 25k Wide, 16QAM)



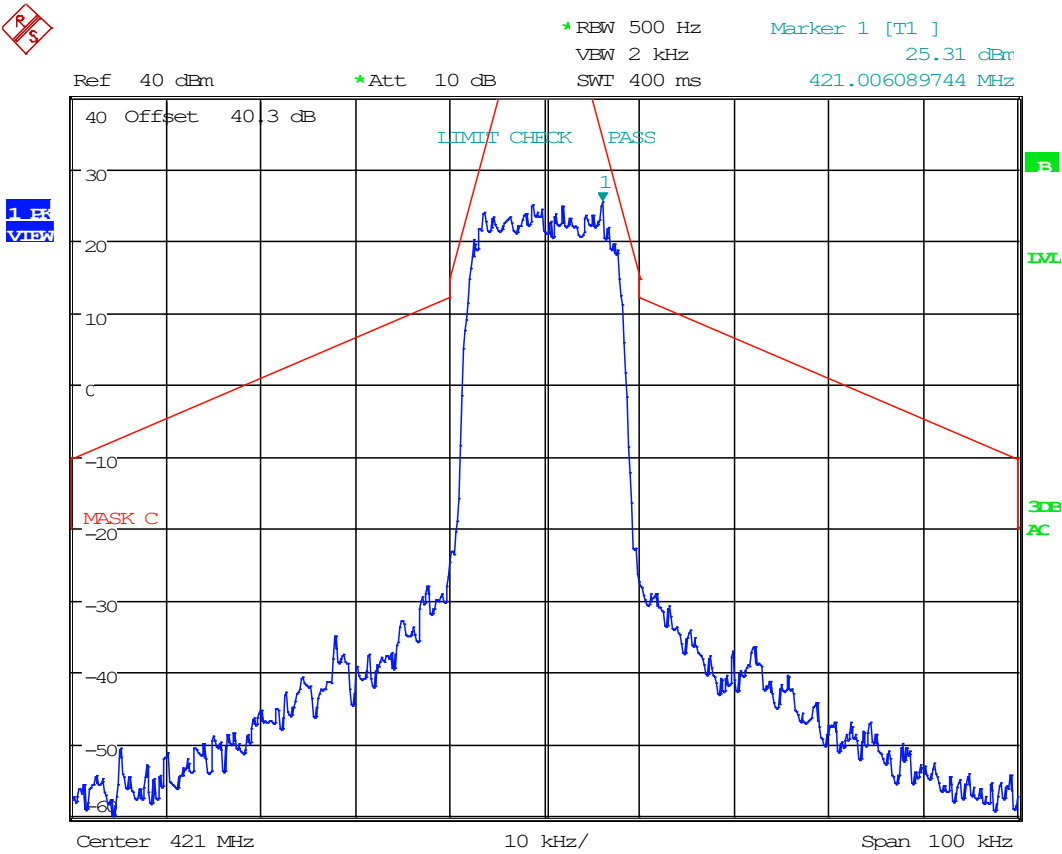
Date: 12.MAY.2020 12:08:01

EMISSION MASK (421.000MHz, 12.5k, 64QAM)



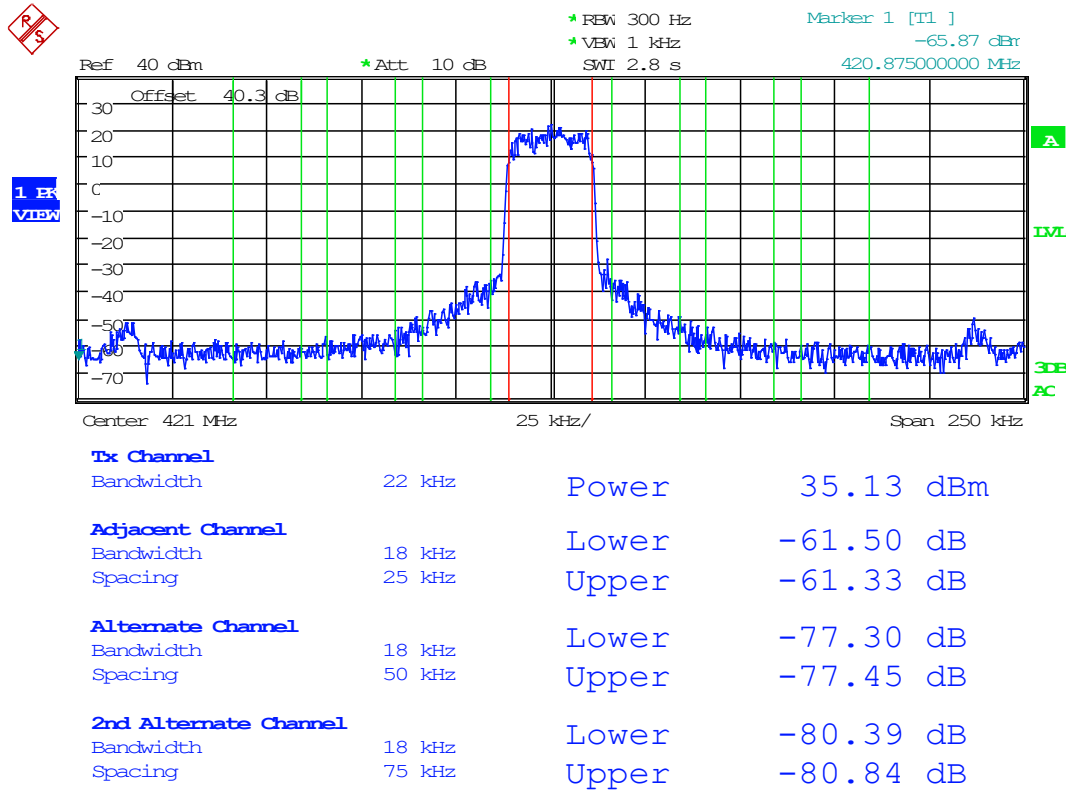
Date: 12.MAY.2020 11:02:19

EMISSION MASK (421.000MHz, 25k, 64QAM)



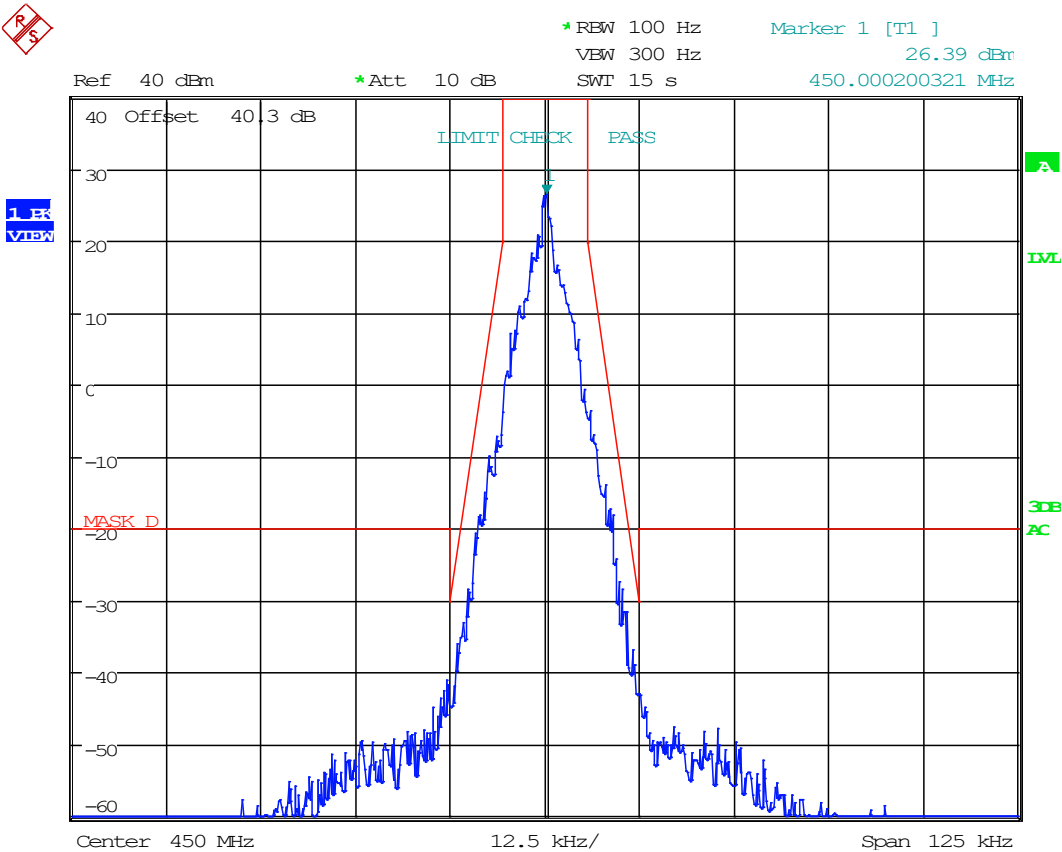
Date: 12.MAY.2020 11:34:20

ADJACENT CHANNEL POWER (421.000MHz, 25k Wide, 64QAM)



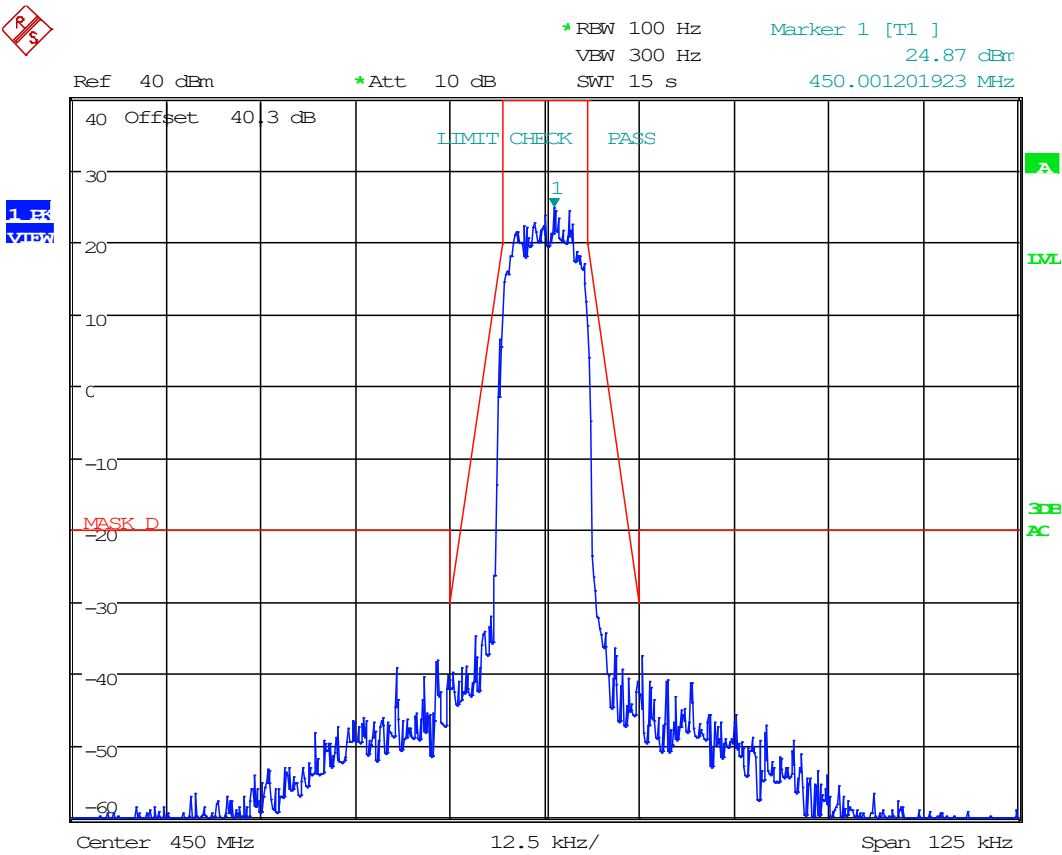
Date: 12.MAY.2020 12:11:15

EMISSION MASK (450.000MHz, 12.5k, GMSK)



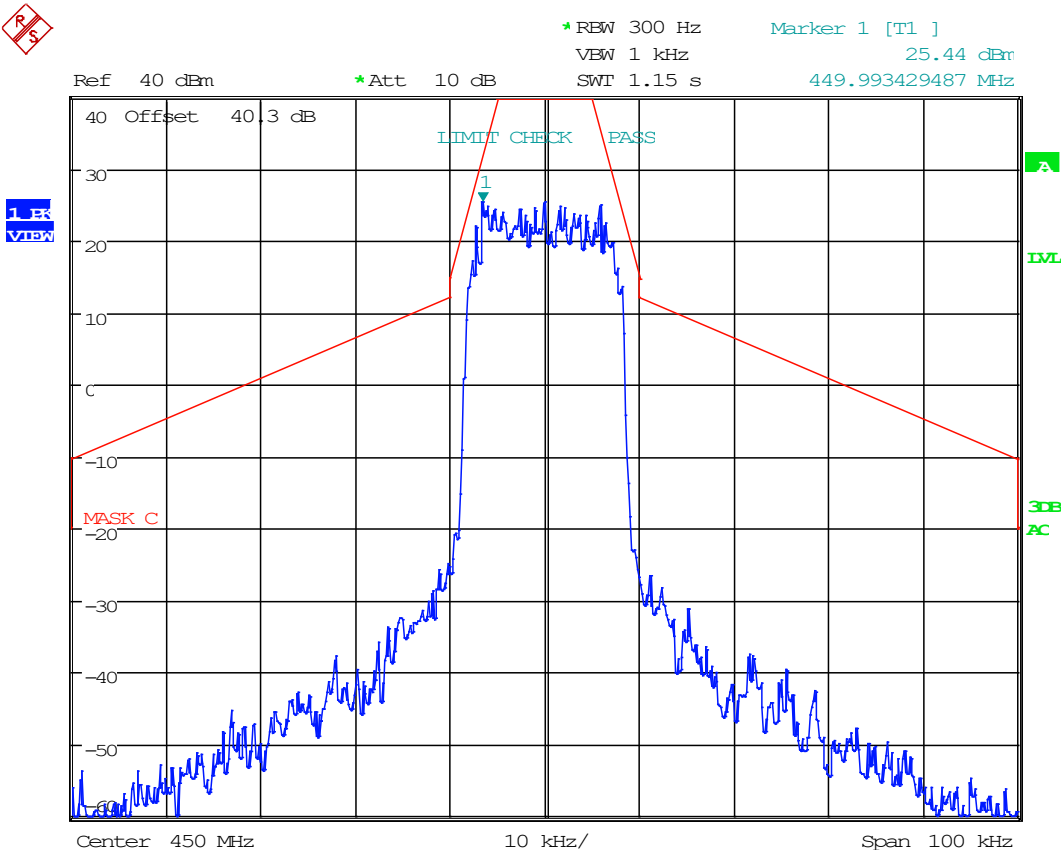
Date: 13.MAY.2020 10:38:53

EMISSION MASK (450.000MHz, 12.5k, 4QAM)



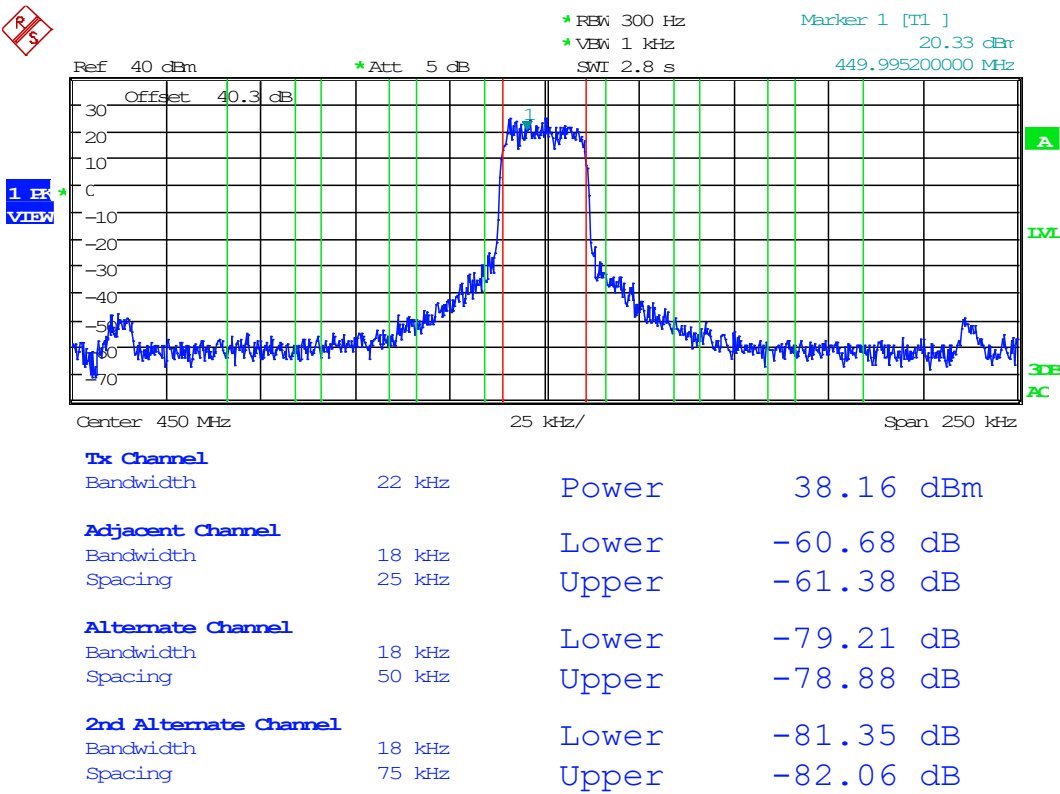
Date: 13.MAY.2020 10:44:17

EMISSION MASK (450.000MHz, 25k, 4QAM)



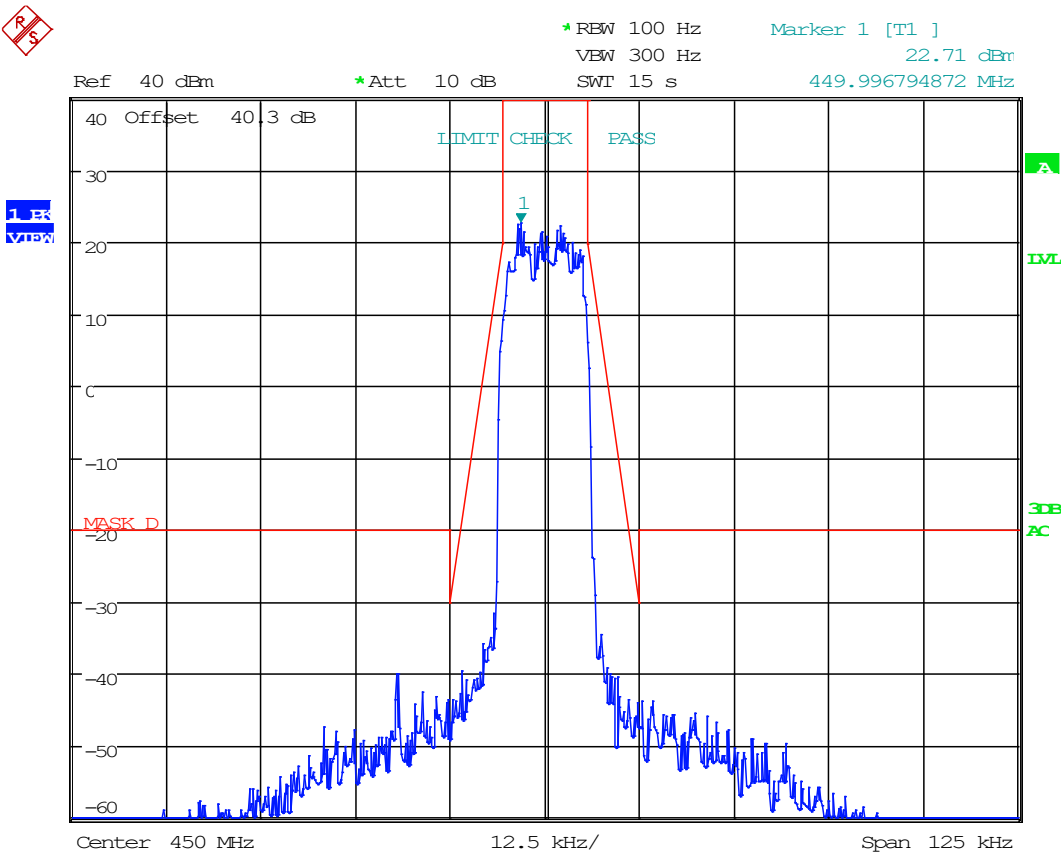
Date: 13.MAY.2020 11:29:49

ADJACENT CHANNEL POWER (450.000MHz, 25k Wide, 4QAM)



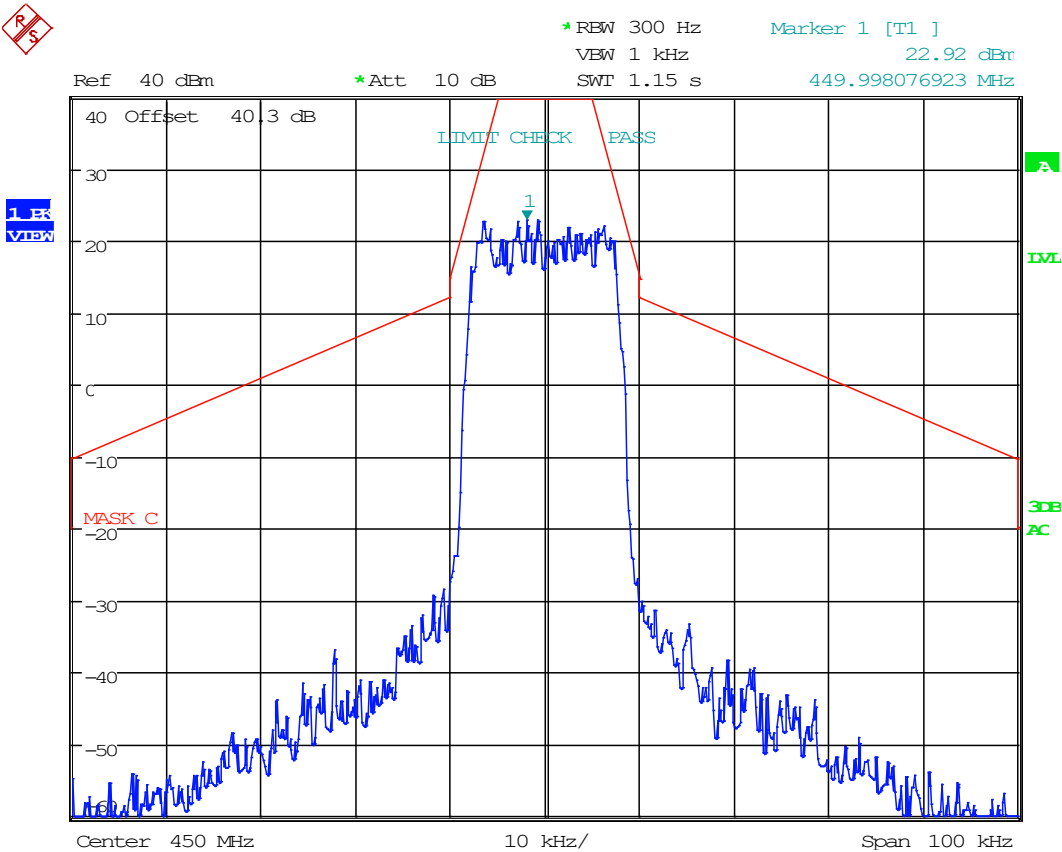
Date: 13.MAY.2020 12:17:09

EMISSION MASK (450.000MHz, 12.5k, 16QAM)



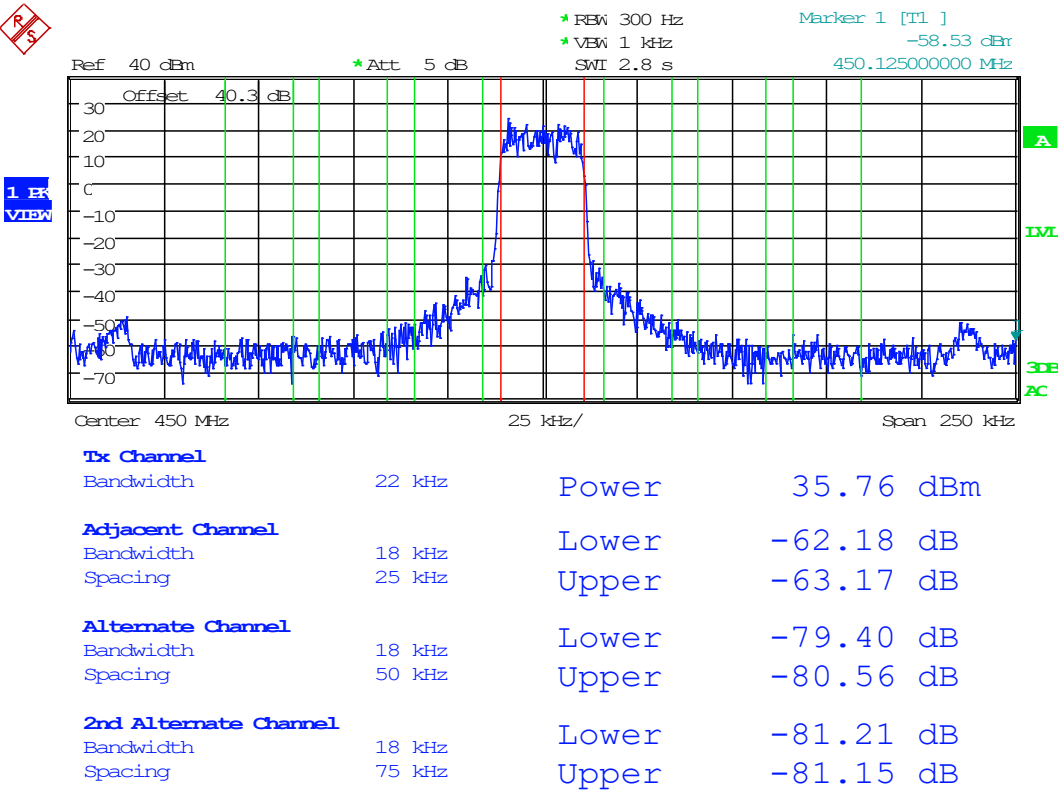
Date: 13.MAY.2020 11:17:00

EMISSION MASK (450.000MHz, 25k, 16QAM)



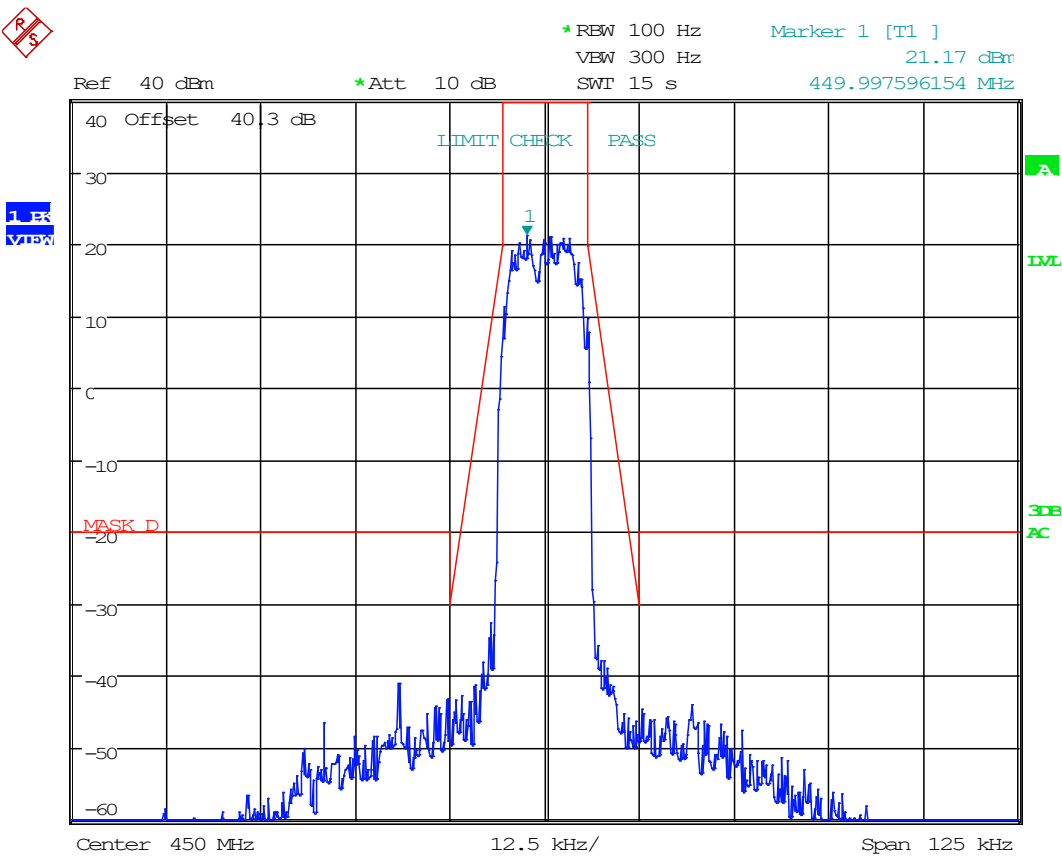
Date: 13.MAY.2020 11:37:50

ADJACENT CHANNEL POWER (450.000MHz, 25k Wide, 16QAM)

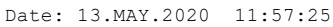


Date: 13.MAY.2020 12:20:40

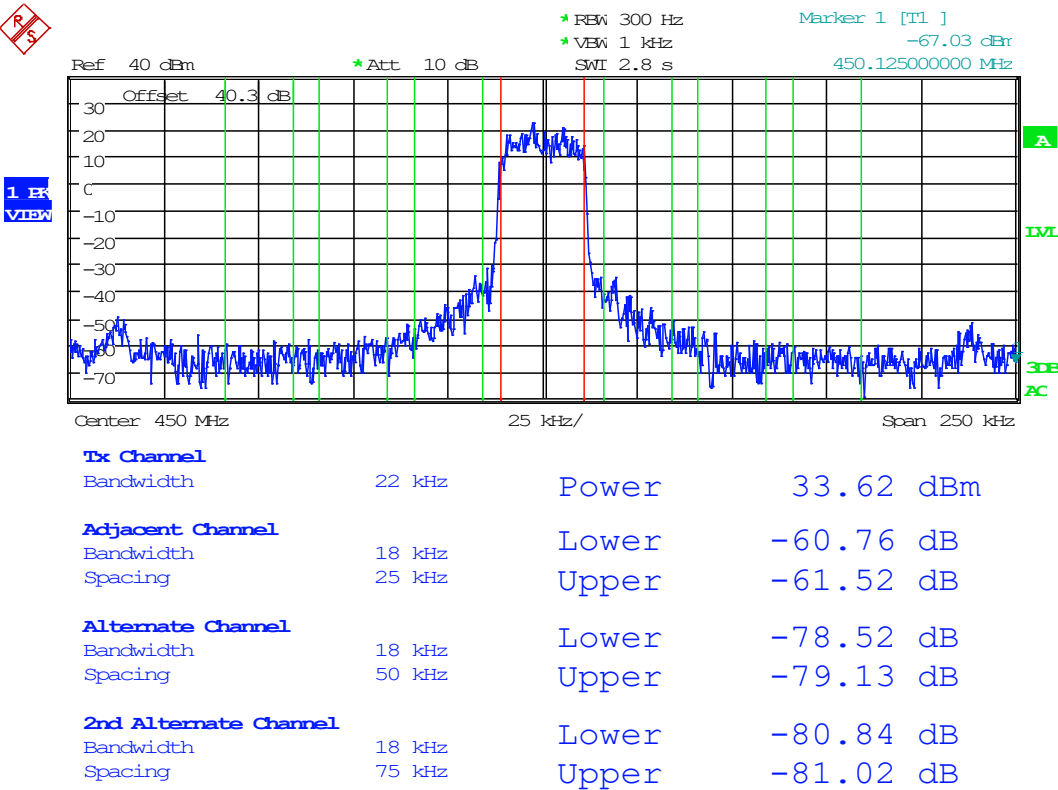
EMISSION MASK (450.000MHz, 12.5k, 64QAM)



Date: 13.MAY.2020 11:20:05



ADJACENT CHANNEL POWER (450.000MHz, 25k Wide, 64QAM)

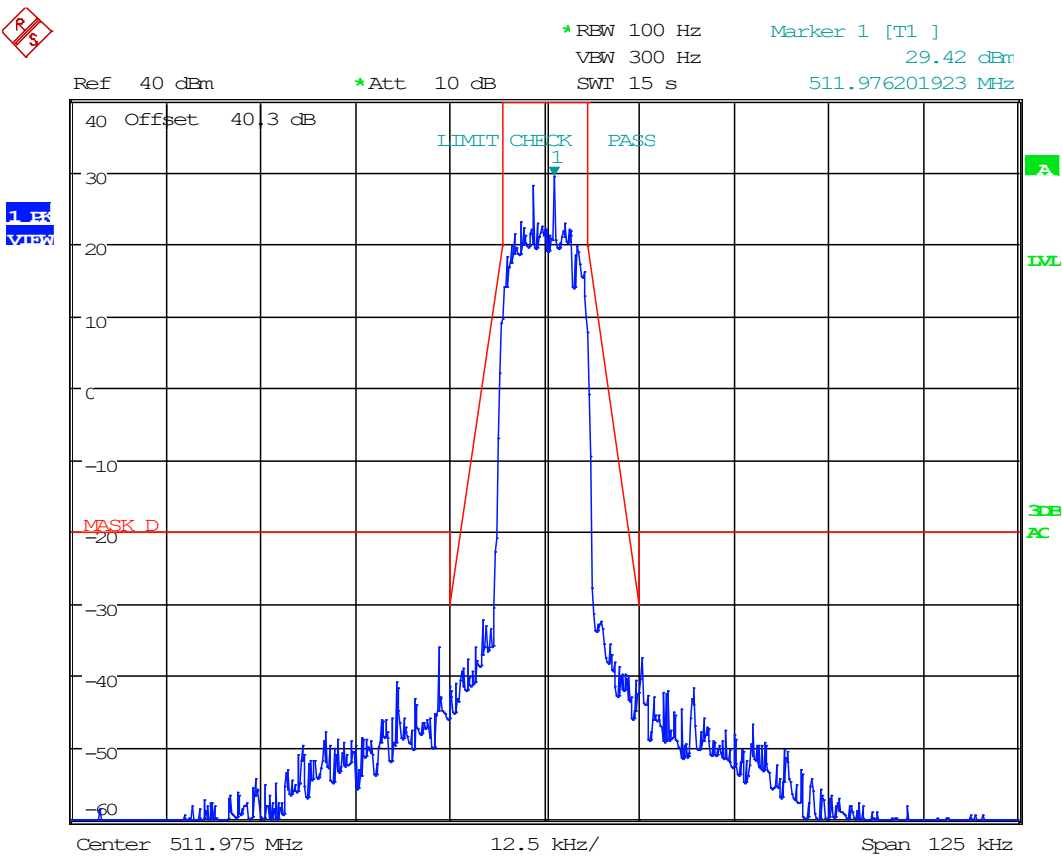


Date: 13.MAY.2020 12:47:07



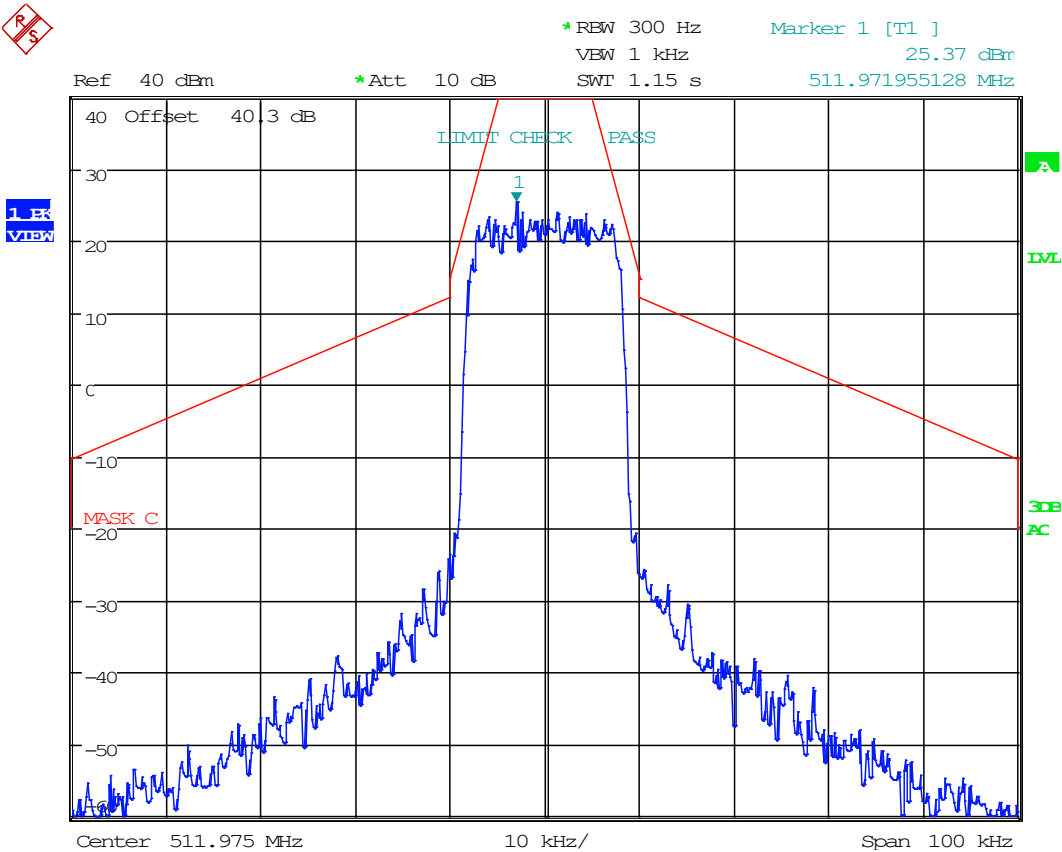
Page 100 of 134

EMISSION MASK (511.975MHz, 12.5k, 4QAM)

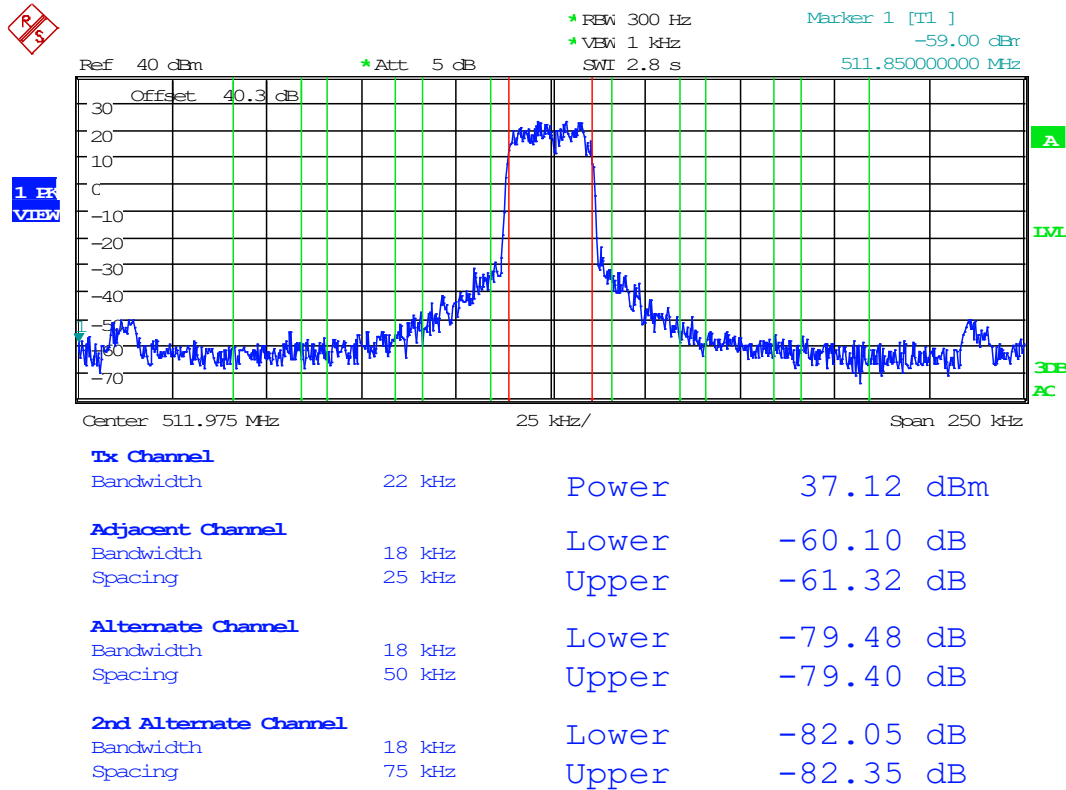


Date: 13.MAY.2020 10:46:30

EMISSION MASK (511.975MHz, 25k, 4QAM)

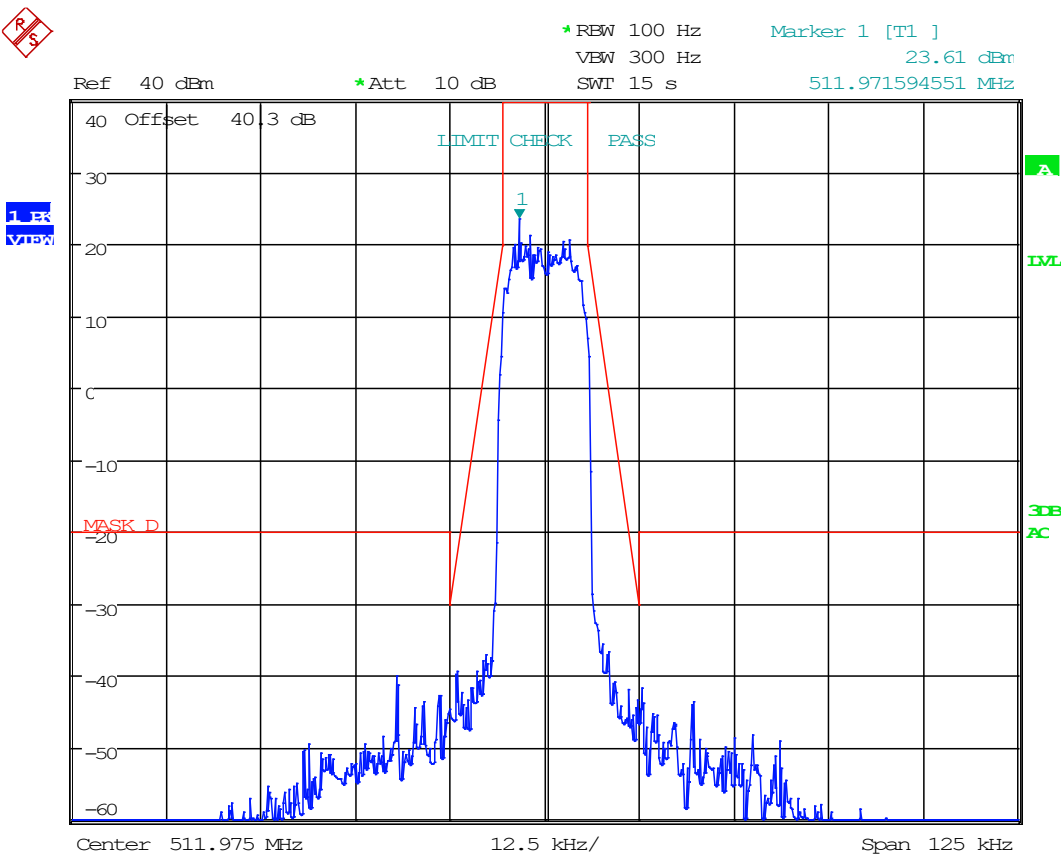


Date: 13.MAY.2020 11:29:23

ADJACENT CHANNEL POWER (511.975MHz, 25k Wide, 4QAM)

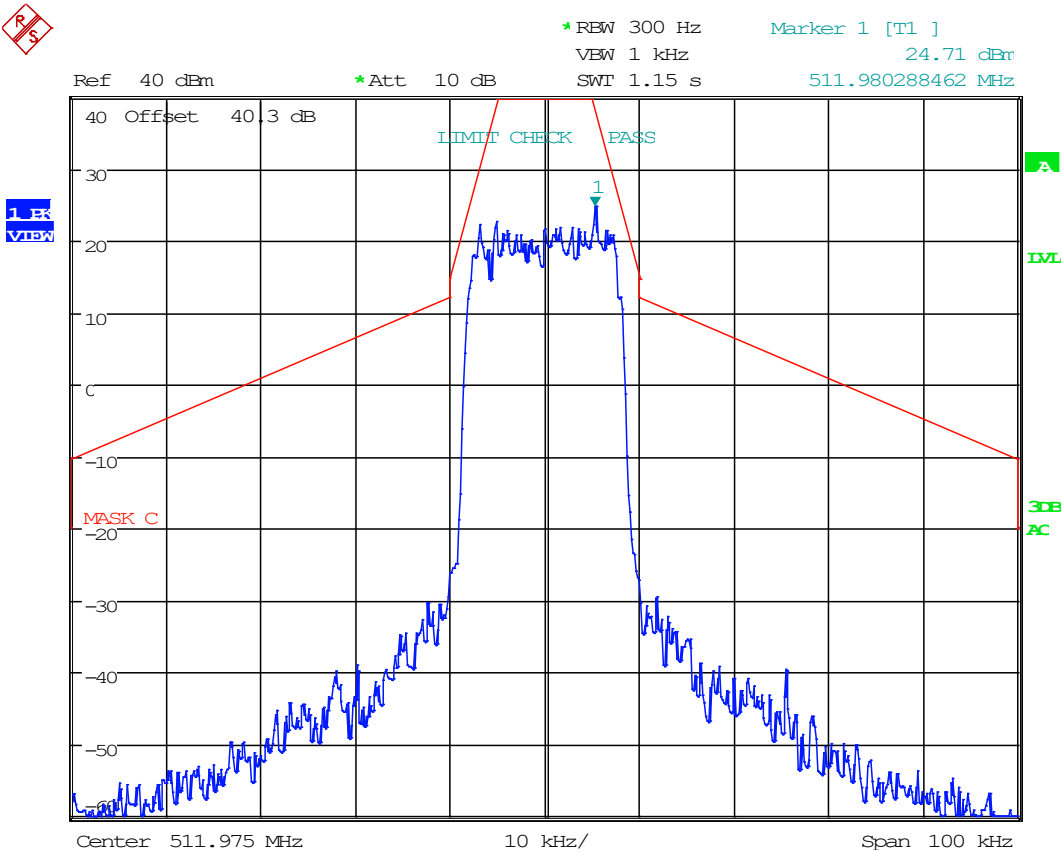
Date: 13.MAY.2020 12:18:09

EMISSION MASK (511.975MHz, 12.5k, 16QAM)



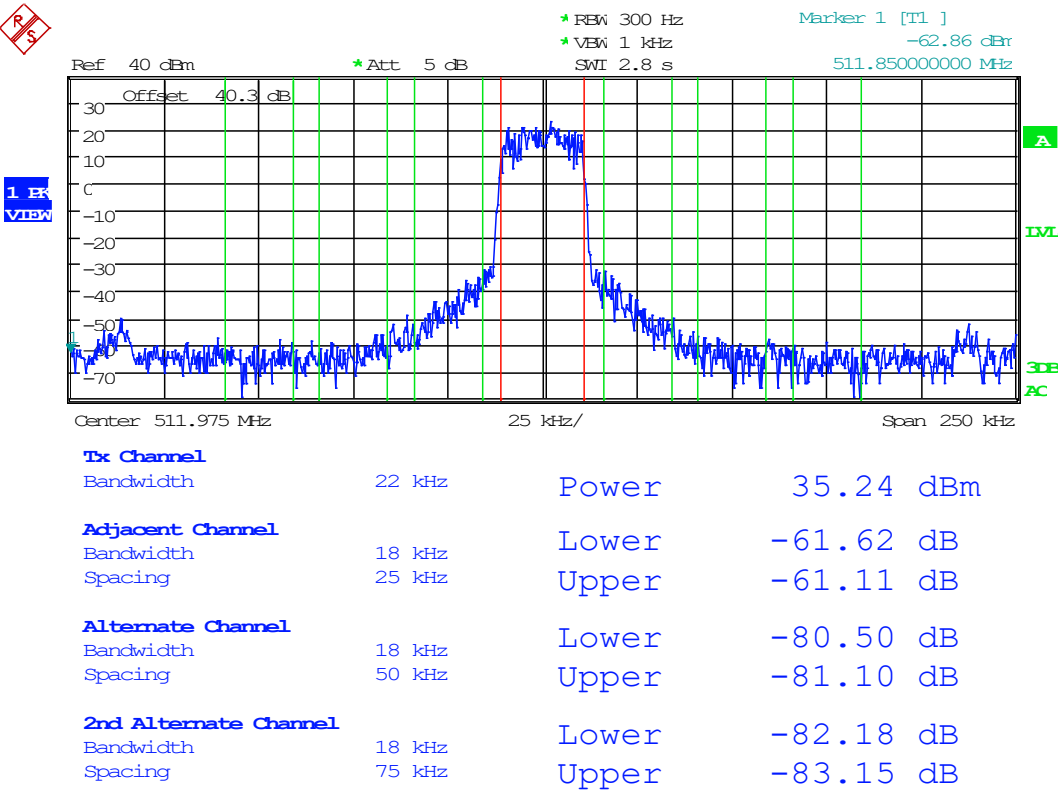
Date: 13.MAY.2020 11:16:00

EMISSION MASK (511.975MHz, 25k, 16QAM)



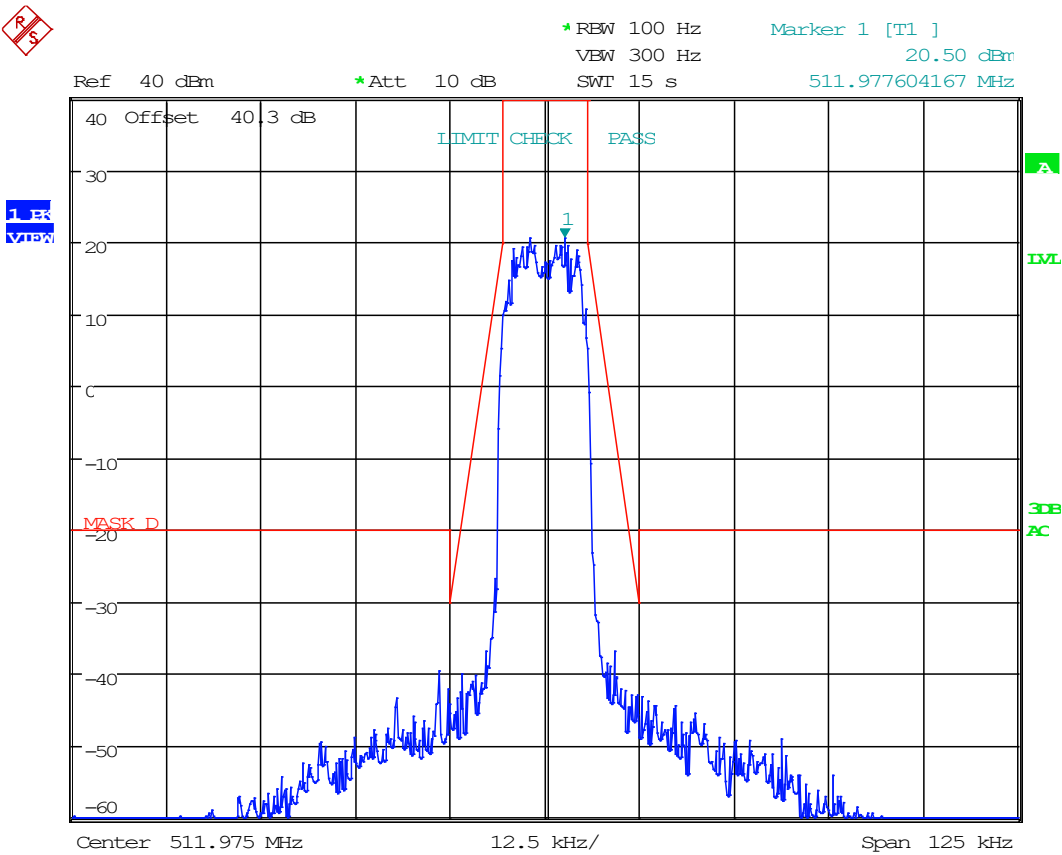
Date: 13.MAY.2020 11:38:40

ADJACENT CHANNEL POWER (511.975MHz, 25k Wide, 16QAM)



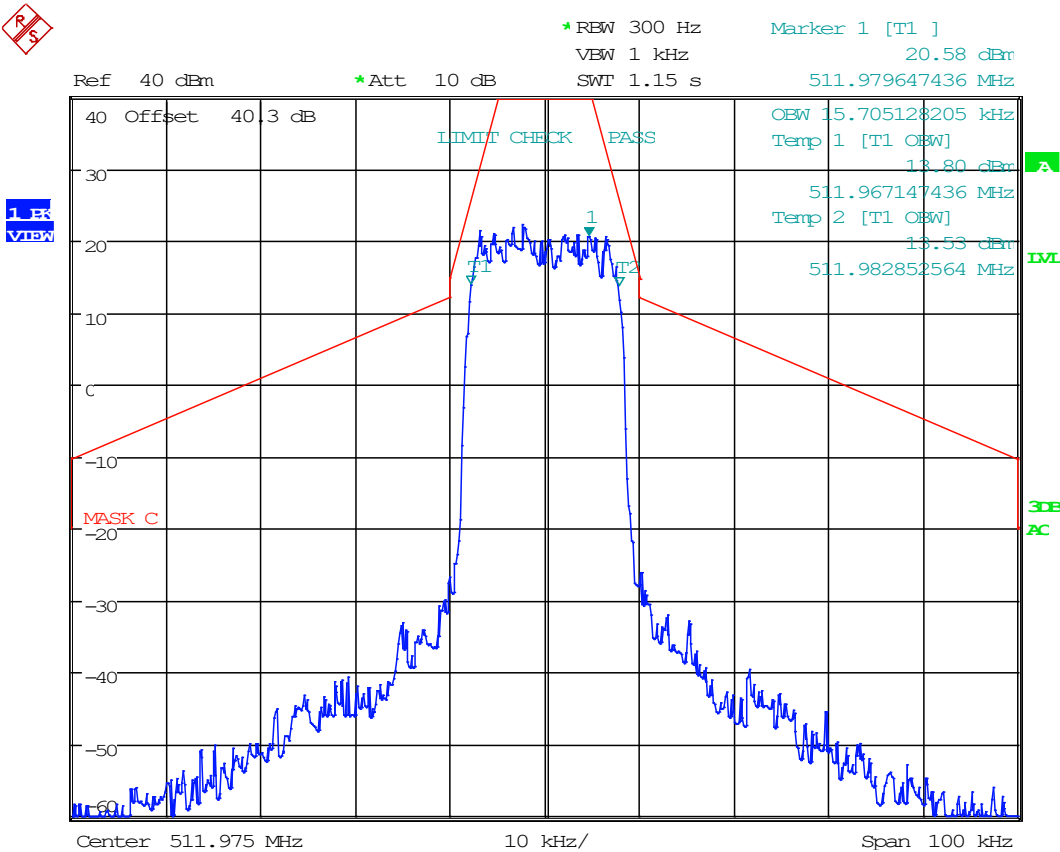
Date: 13.MAY.2020 12:20:13

EMISSION MASK (511.975MHz, 12.5k, 64QAM)



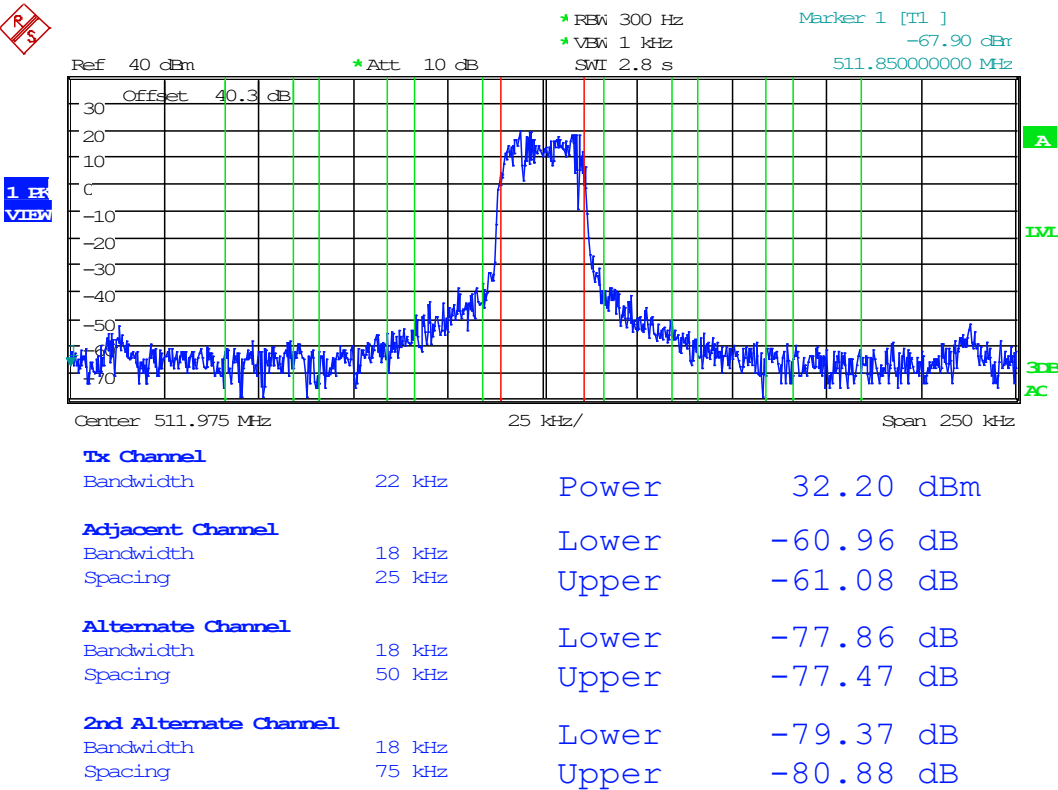
Date: 13.MAY.2020 11:21:17

EMISSION MASK (511.975MHz, 25k, 64QAM)



Date: 13.MAY.2020 11:55:54

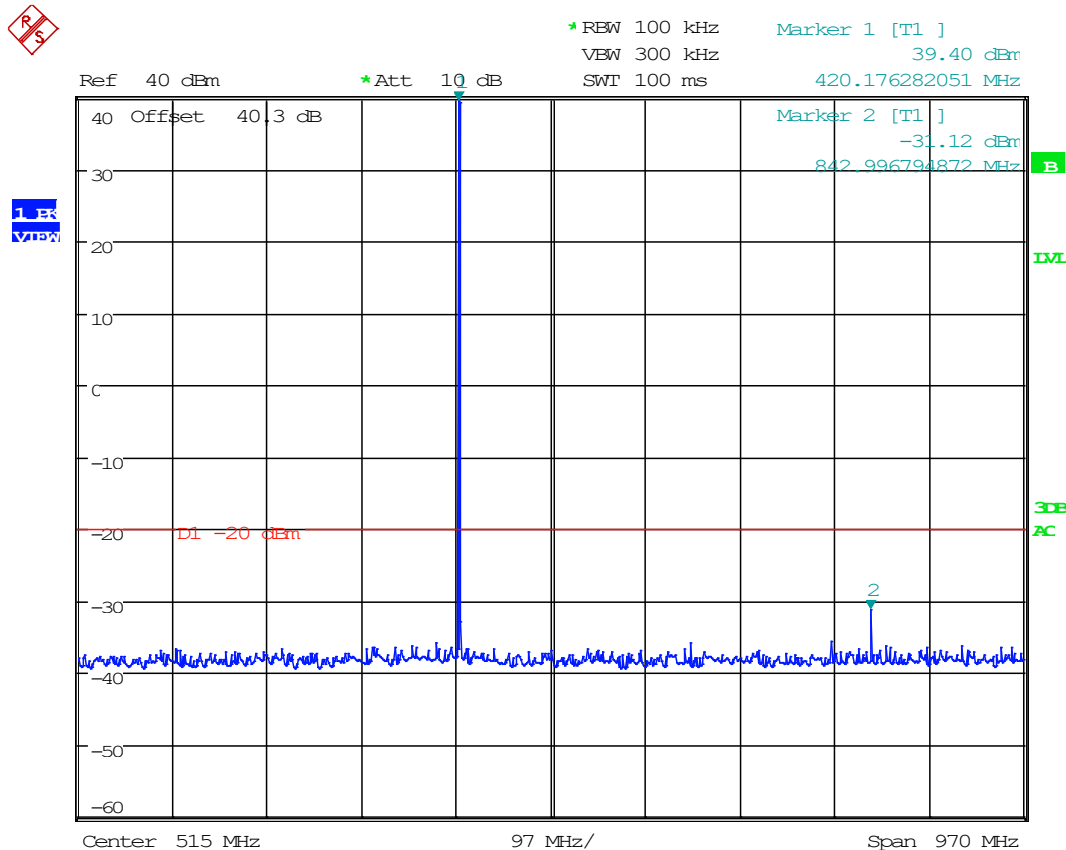
ADJACENT CHANNEL POWER (511.975MHz, 25k Wide, 64QAM)



Date: 13.MAY.2020 12:47:39

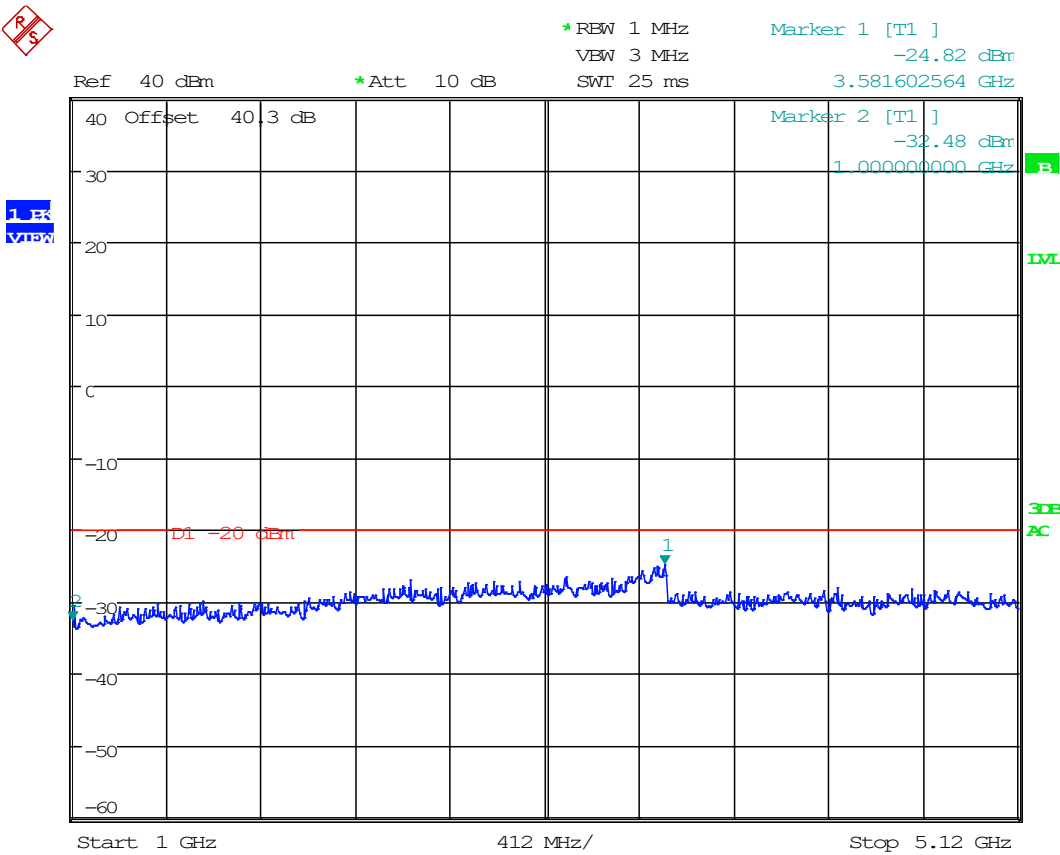
CONDUCTED SPURIOUS EMISSIONSTest Engineer: FR, TRTest Date: 05/08/2020

NOTE: Conducted Spurious Emissions have not changed from certification. The new emissions were "spot-checked" on both bandwidths to ensure continuing compliance.

CONDUCTED SPURIOUS EMISSIONS (421.000MHz, GMSK, Below 1 GHz)

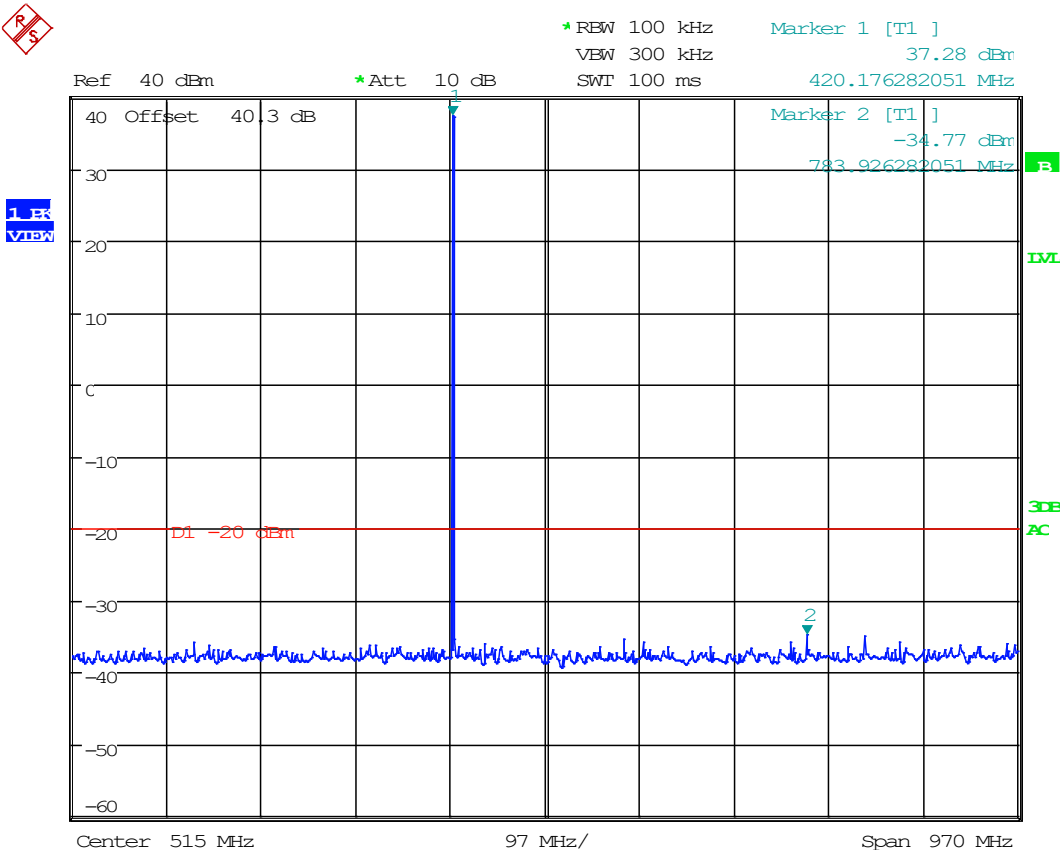
Date: 12.MAY.2020 12:28:15

CONDUCTED SPURIOUS EMISSIONS (421.000MHz, GMSK, Above 1 GHz)



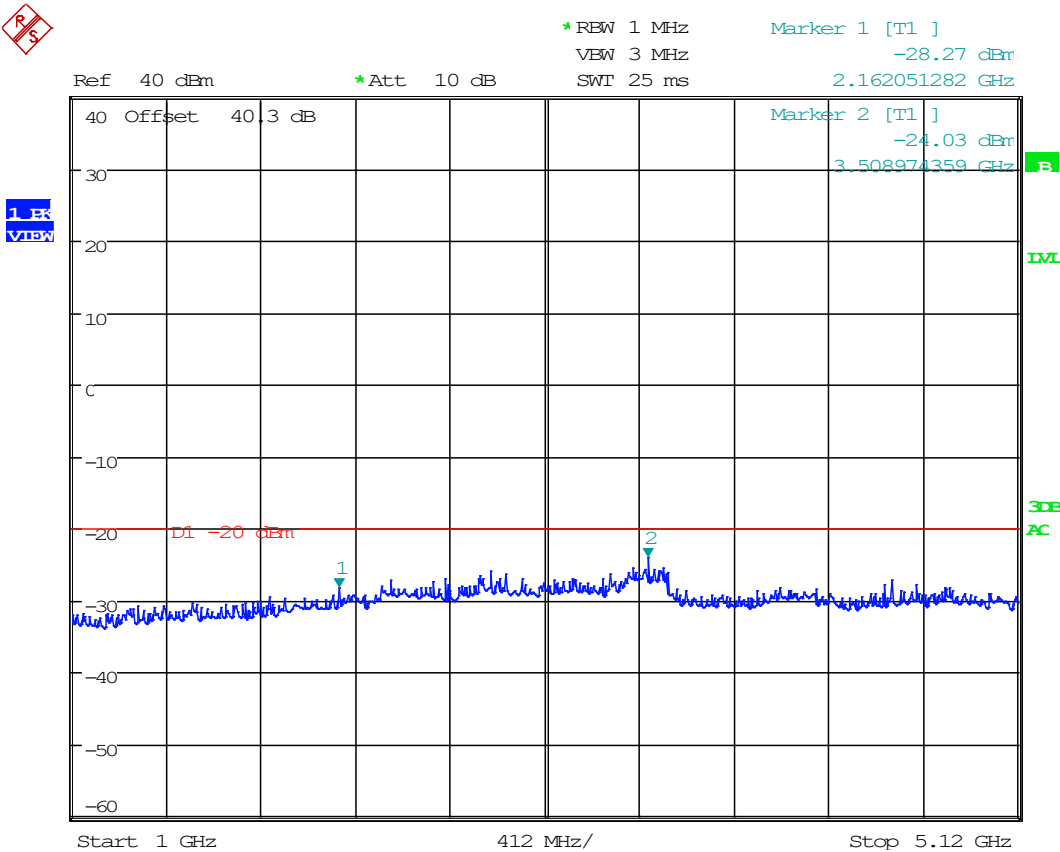
Date: 12.MAY.2020 12:28:57

CONDUCTED SPURIOUS EMISSIONS (421.000MHz, 12.5k, 4QAM, Below 1 GHz)



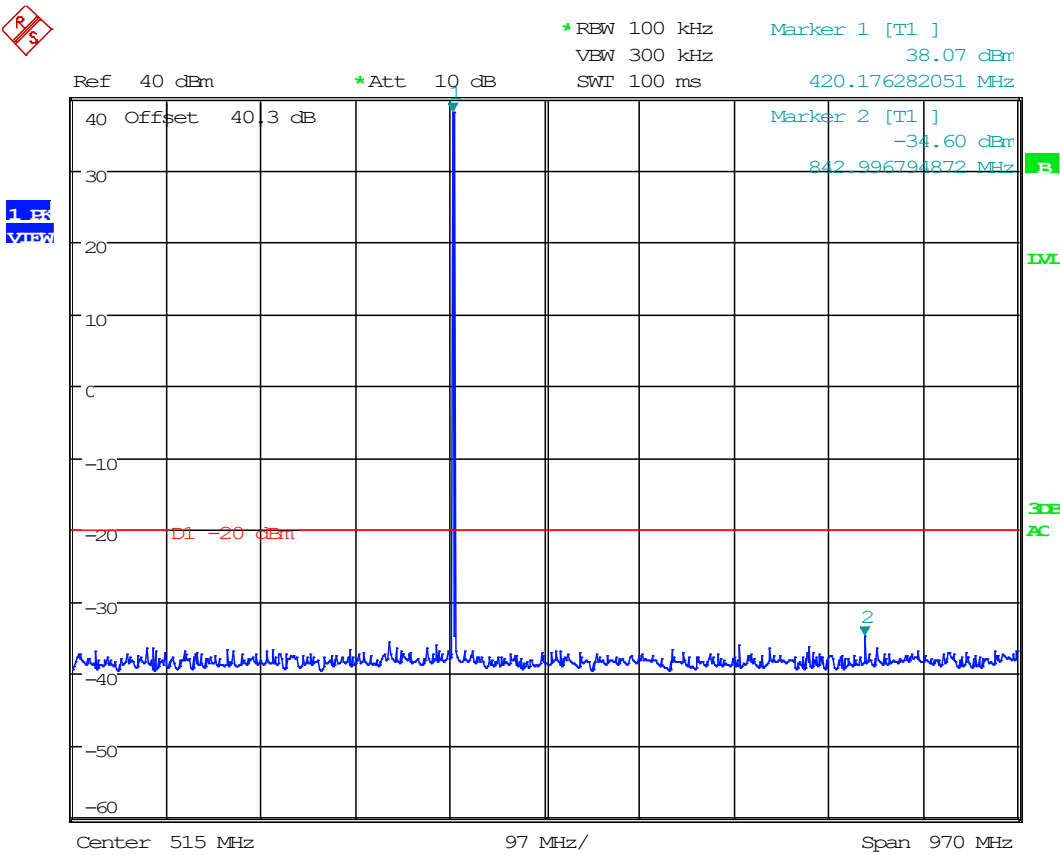
Date: 11.MAY.2020 13:31:20

CONDUCTED SPURIOUS EMISSIONS (421.000MHz, 12.5k, 4QAM, Above 1 GHz)



Date: 11.MAY.2020 13:32:51

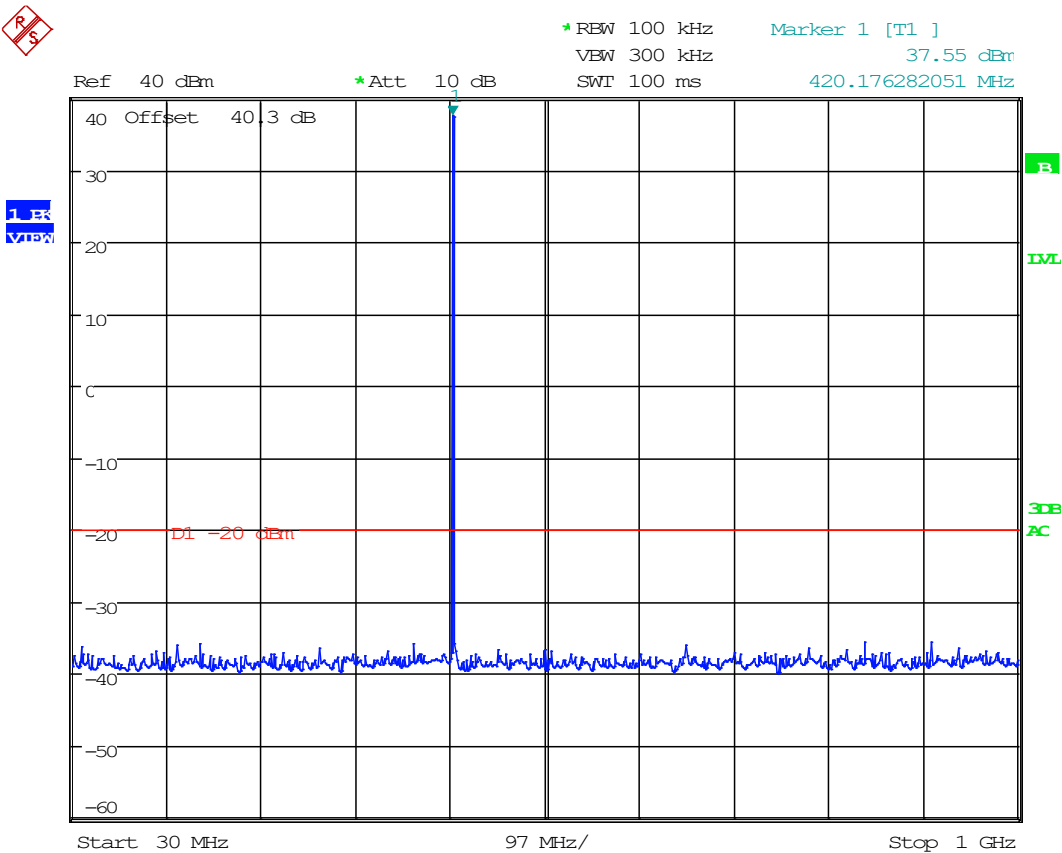
CONDUCTED SPURIOUS EMISSIONS (421.000MHz, 25k, 4QAM, Below 1 GHz)



Date: 12.MAY.2020 11:14:18

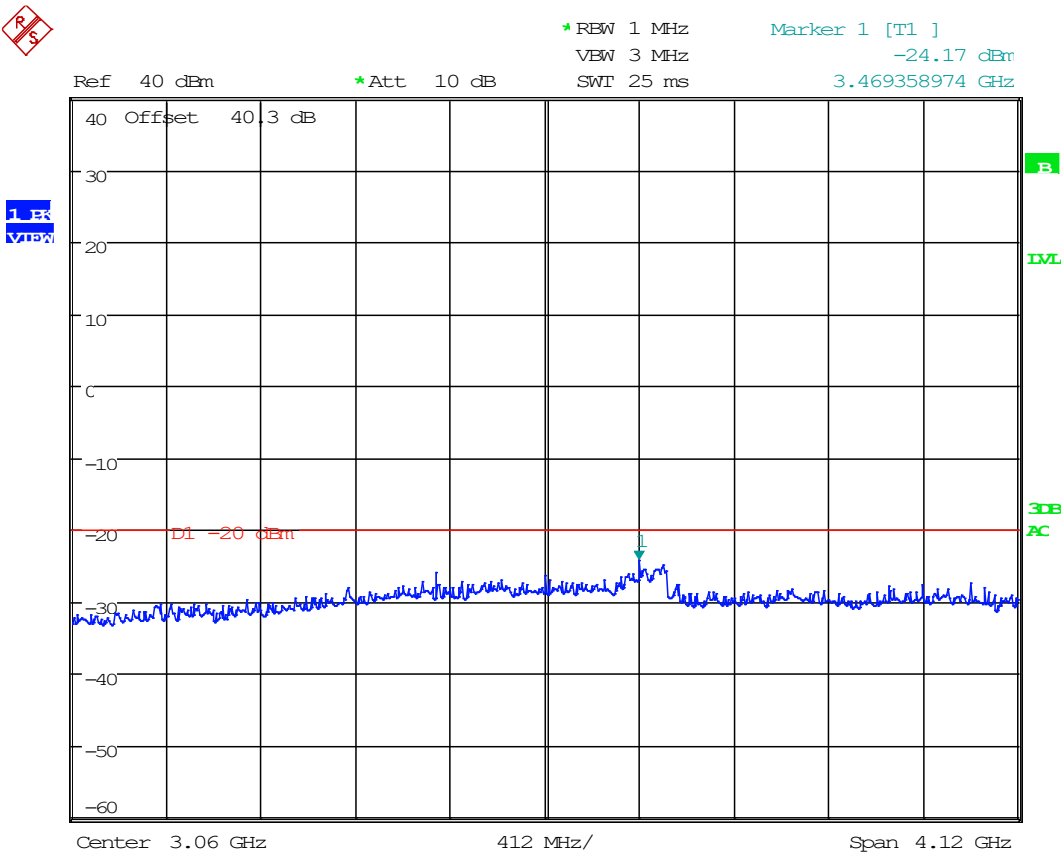


CONDUCTED SPURIOUS EMISSIONS (421.000MHz, 25k Wide, 4QAM, Below 1 GHz)



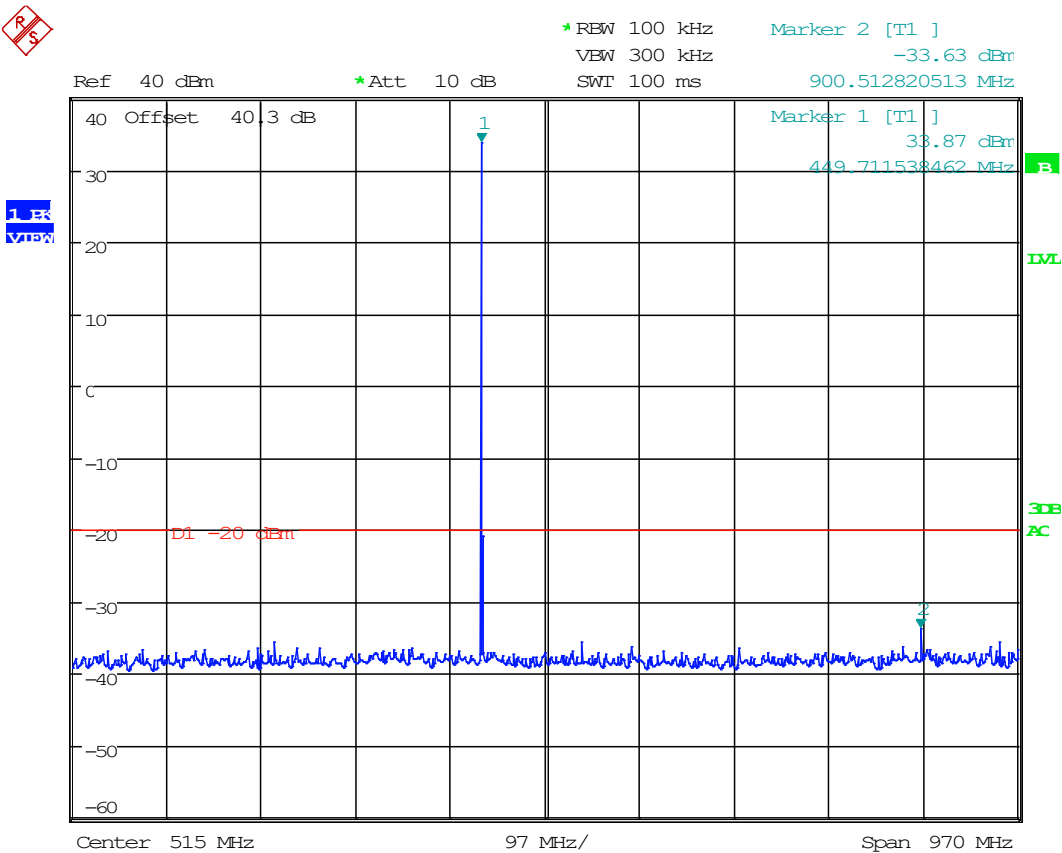
Date: 12.MAY.2020 11:57:50

CONDUCTED SPURIOUS EMISSIONS (421.000MHz, 25k Wide, 4QAM, Above 1 GHz)



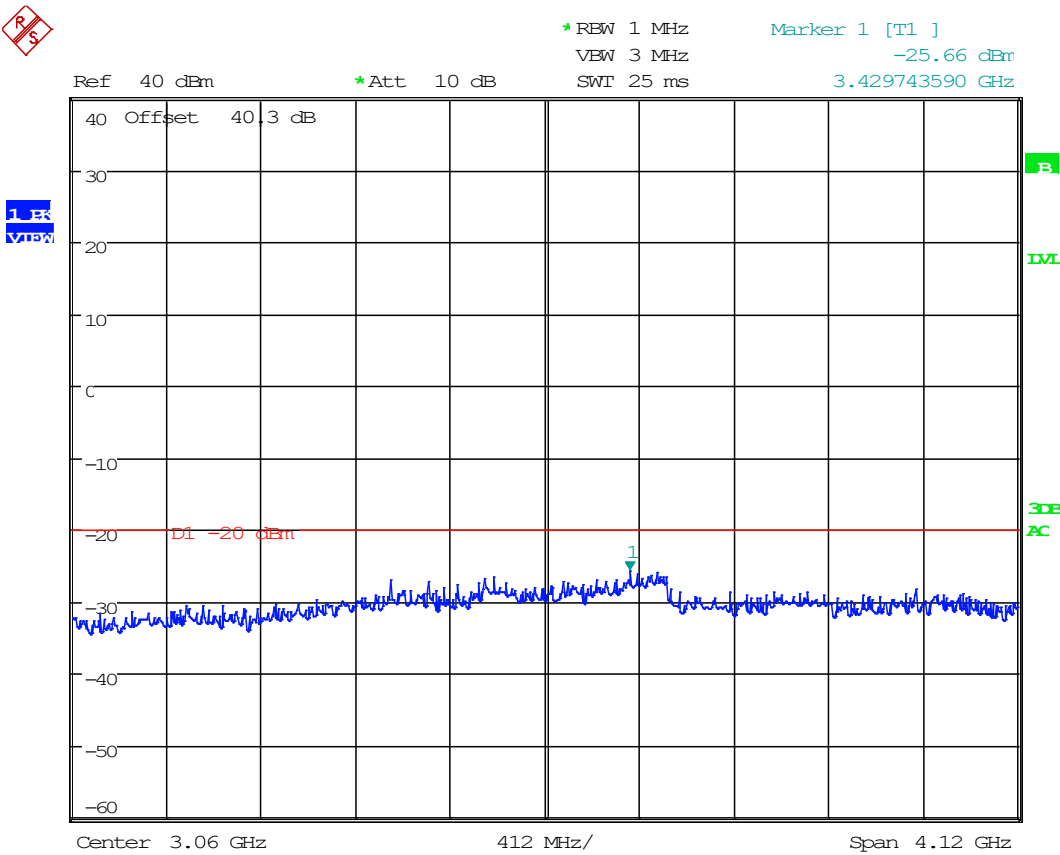
Date: 12.MAY.2020 11:59:37

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, GMSK, Below 1 GHz)

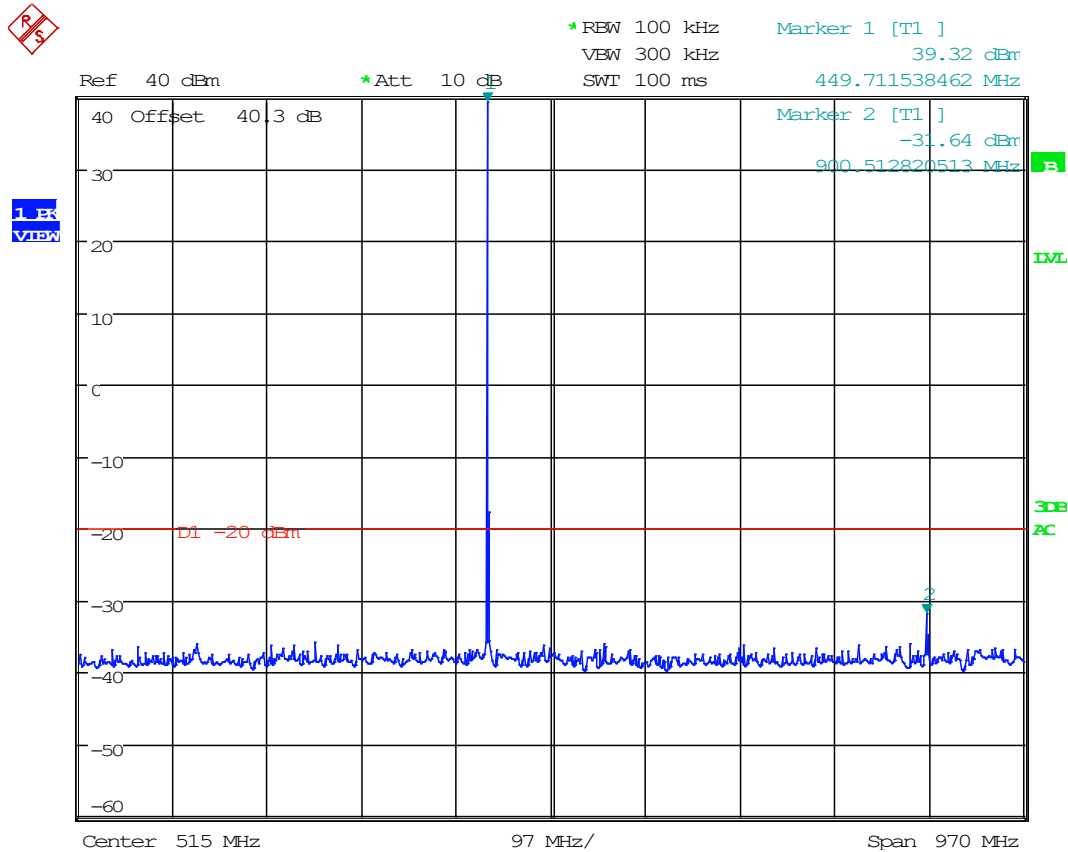


Date: 13.MAY.2020 10:37:38

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, GMSK, Above 1 GHz)

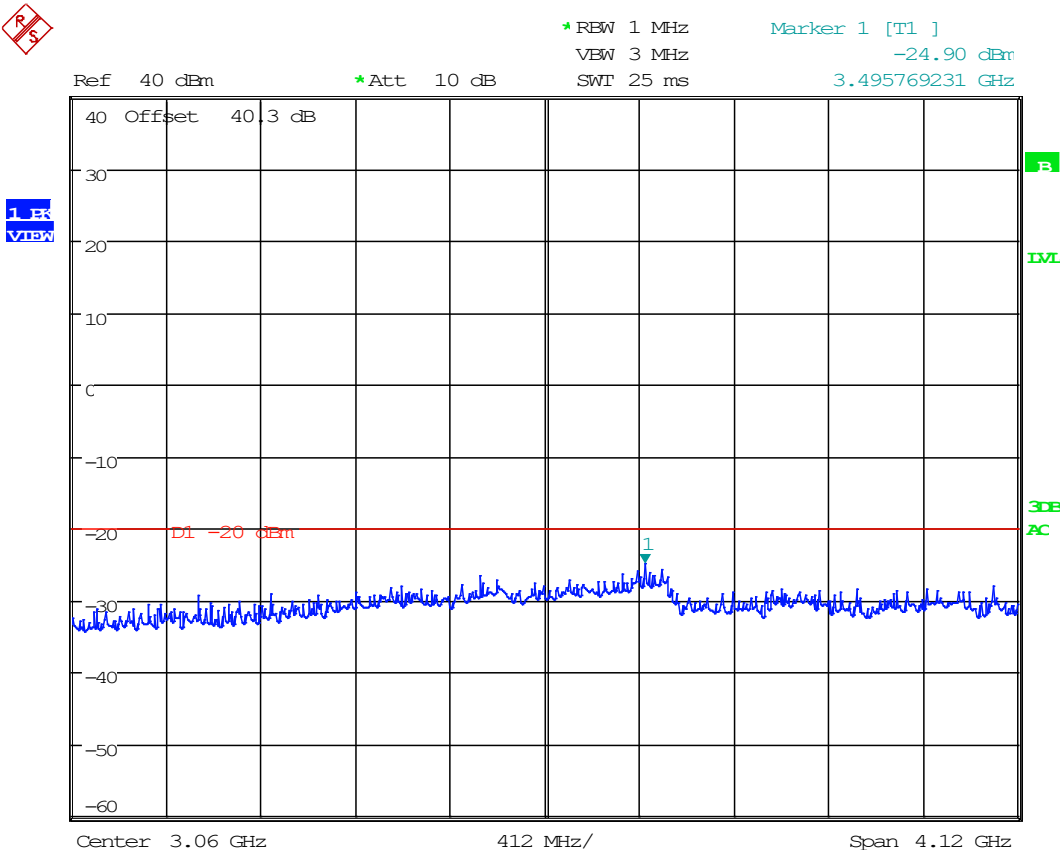


Date: 13.MAY.2020 10:57:00

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, 12.5k, 4QAM, Below 1 GHz)

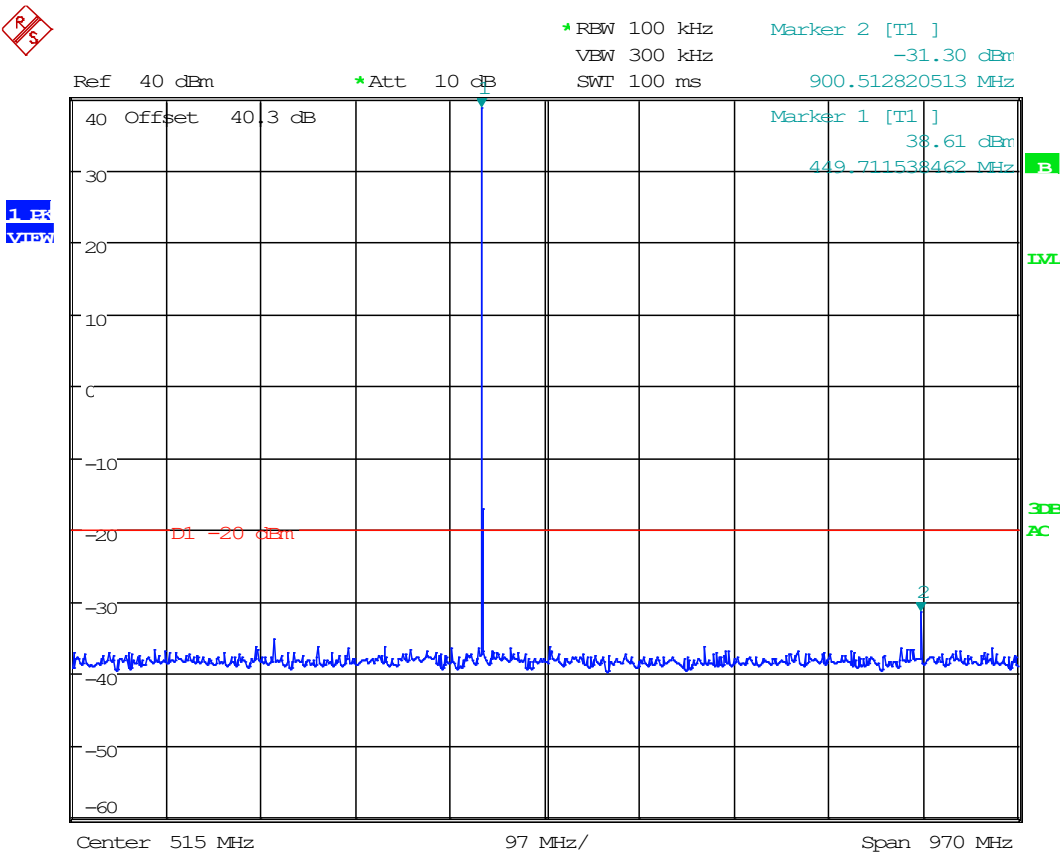
Date: 13.MAY.2020 10:52:41

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, 12.5k, 4QAM, Above 1 GHz)



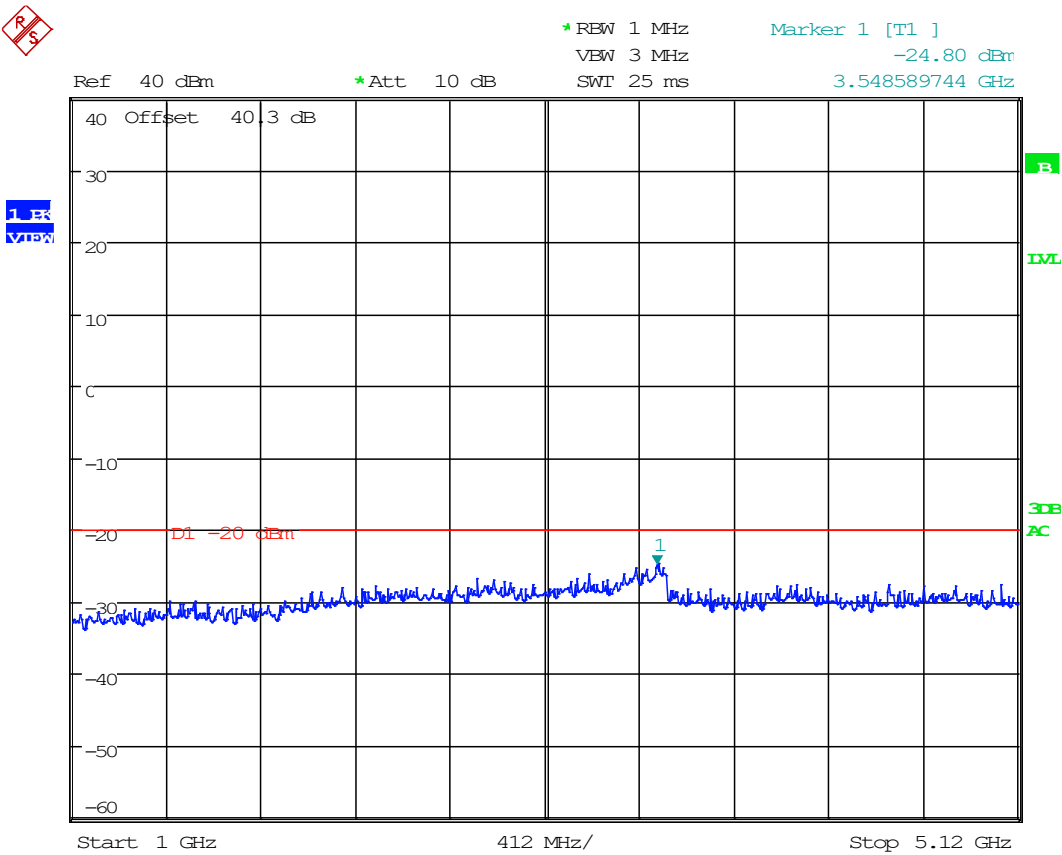
Date: 13.MAY.2020 10:57:28

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, 25k, 4QAM, Below 1 GHz)



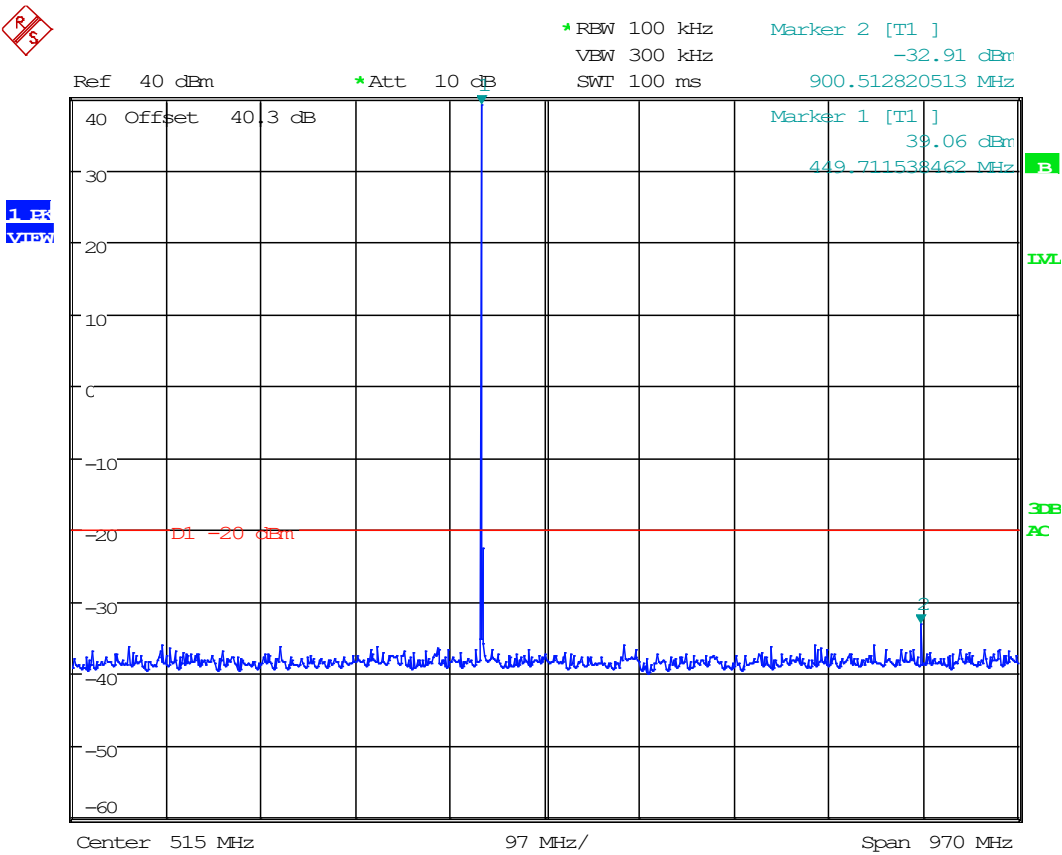
Date: 13.MAY.2020 11:34:40

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, 25k, 4QAM, Above 1 GHz)



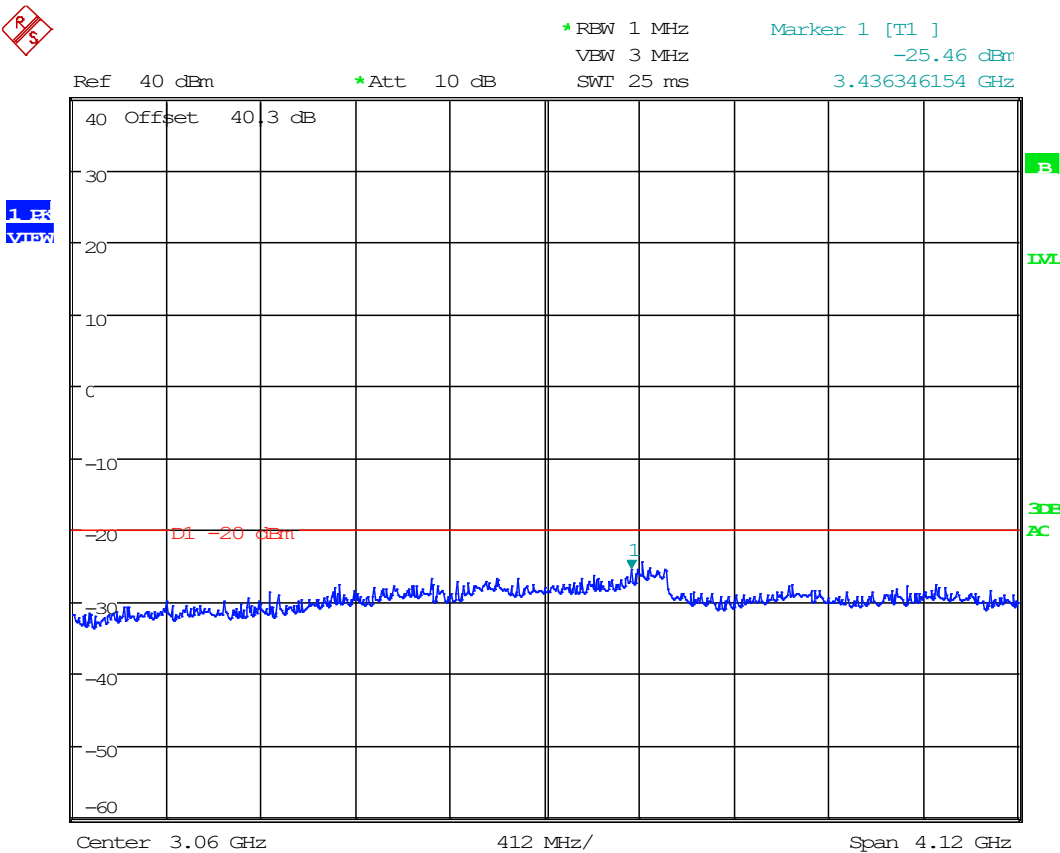
Date: 13.MAY.2020 11:30:25

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, 25k Wide, 4QAM, Below 1 GHz)



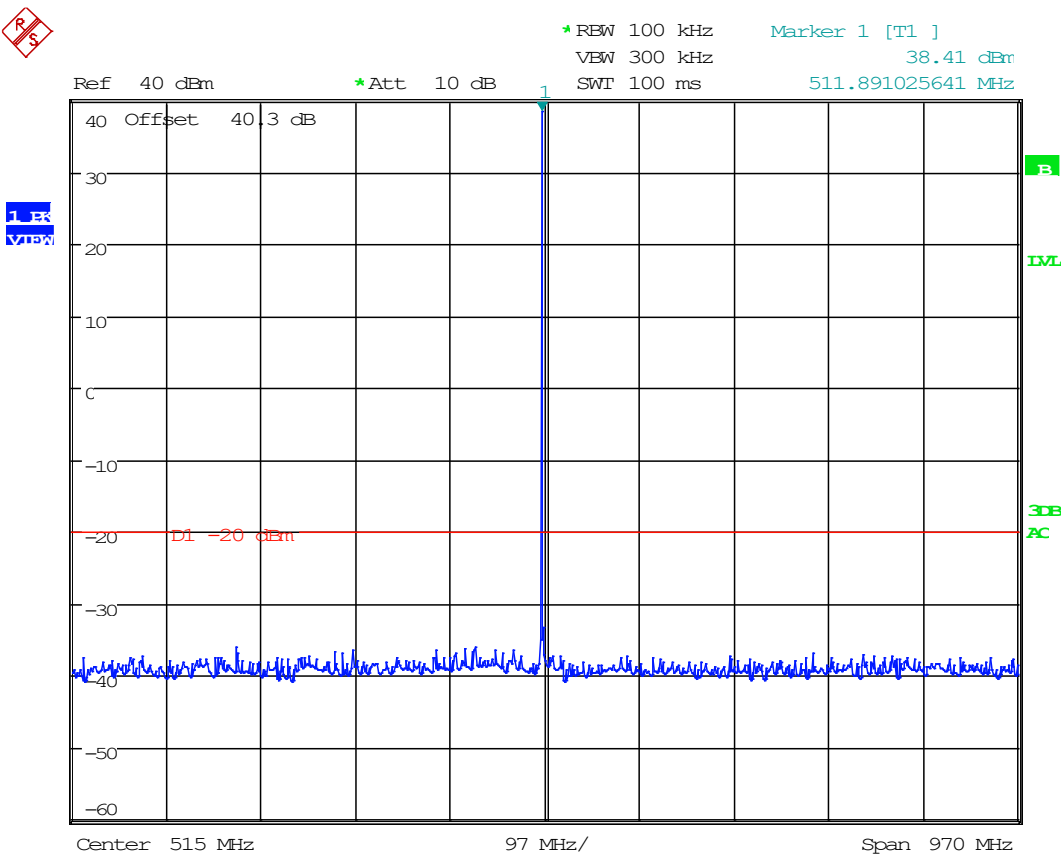
Date: 13.MAY.2020 12:14:06

CONDUCTED SPURIOUS EMISSIONS (450.000MHz, 25k Wide, 4QAM, Above 1 GHz)



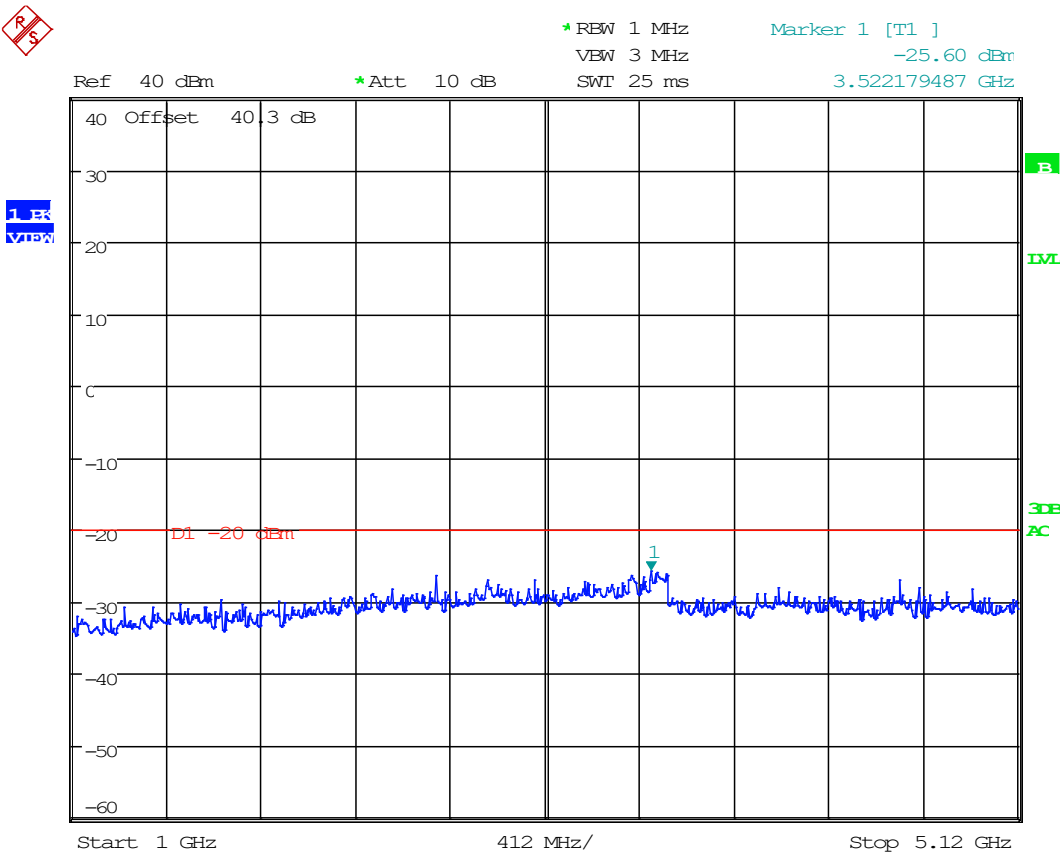
Date: 13.MAY.2020 12:16:06

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, GMSK, Below 1 GHz)



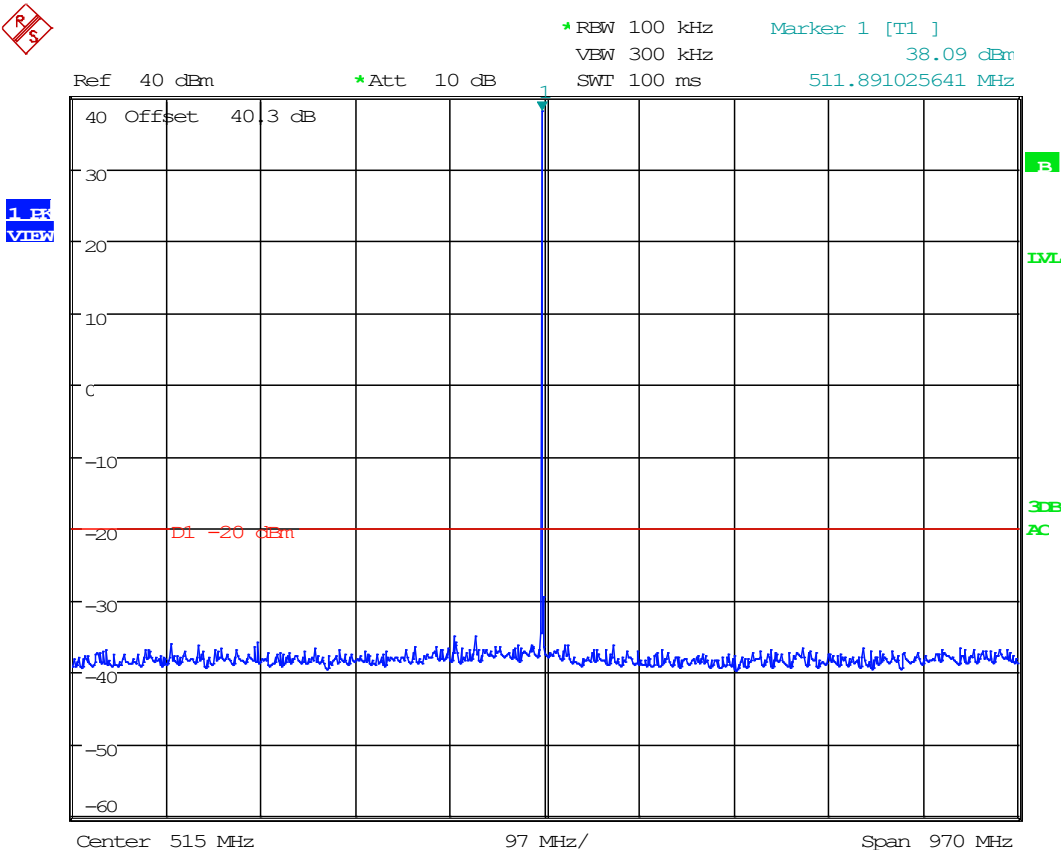
Date: 13.MAY.2020 10:54:10

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, GMSK, Above 1 GHz)



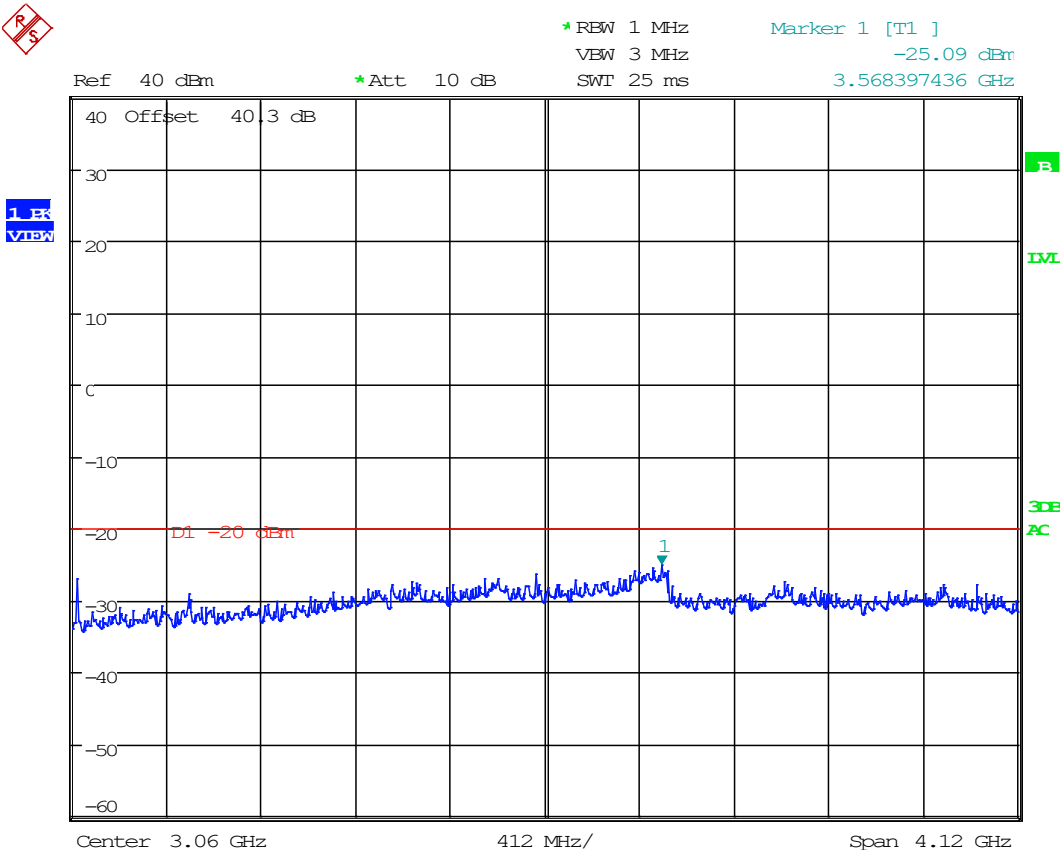
Date: 13.MAY.2020 10:56:18

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, 12.5k, 4QAM, Below 1 GHz)



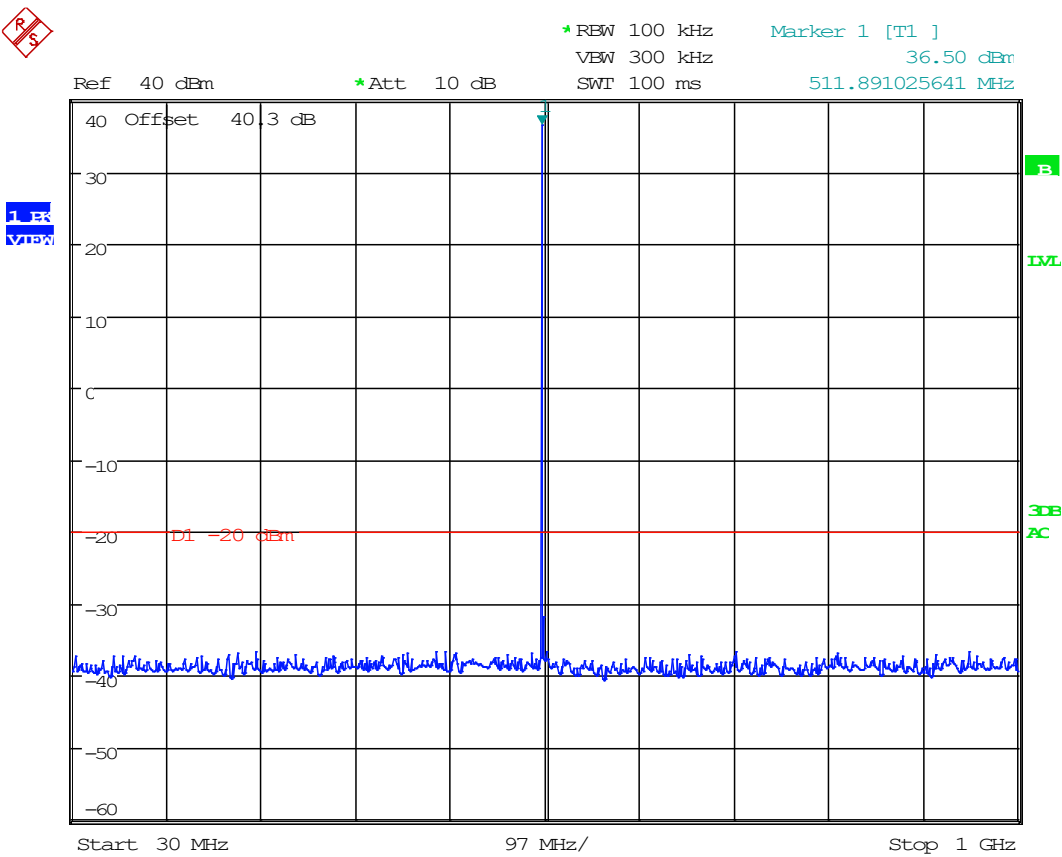
Date: 13.MAY.2020 10:53:48

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, 12.5k, 4QAM, Above 1 GHz)



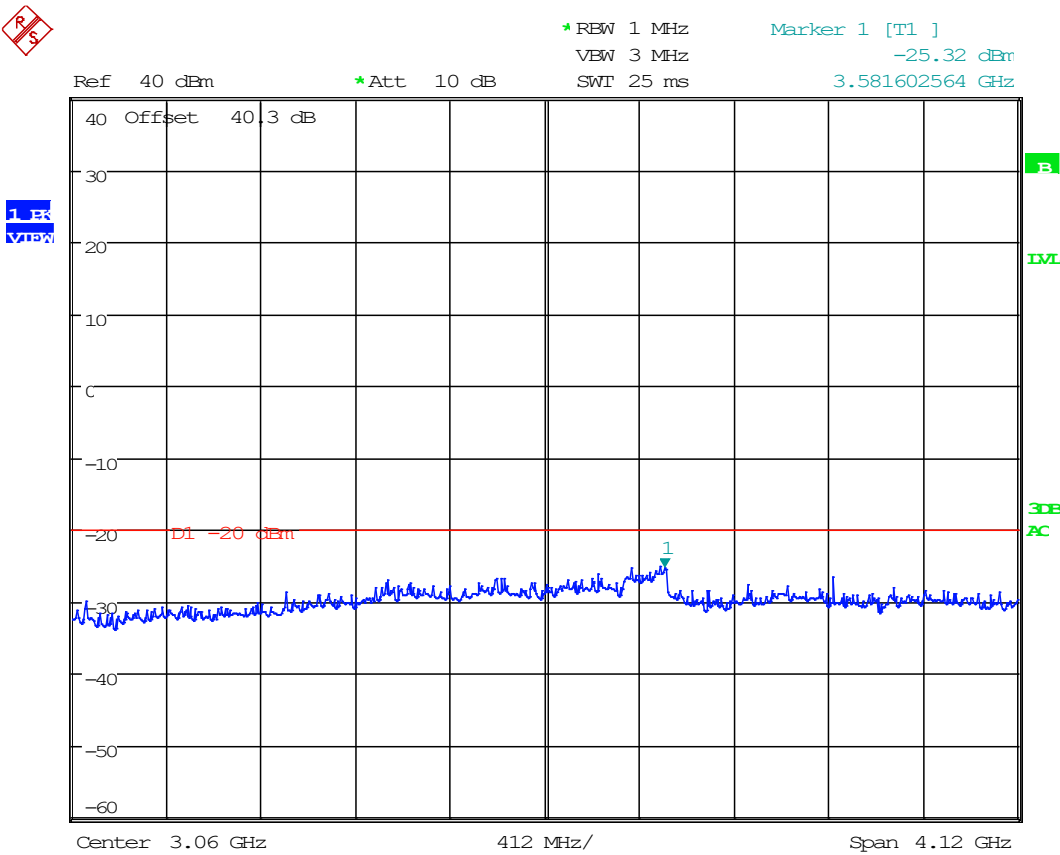
Date: 13.MAY.2020 10:57:58

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, 25k, 4QAM, Below 1 GHz)



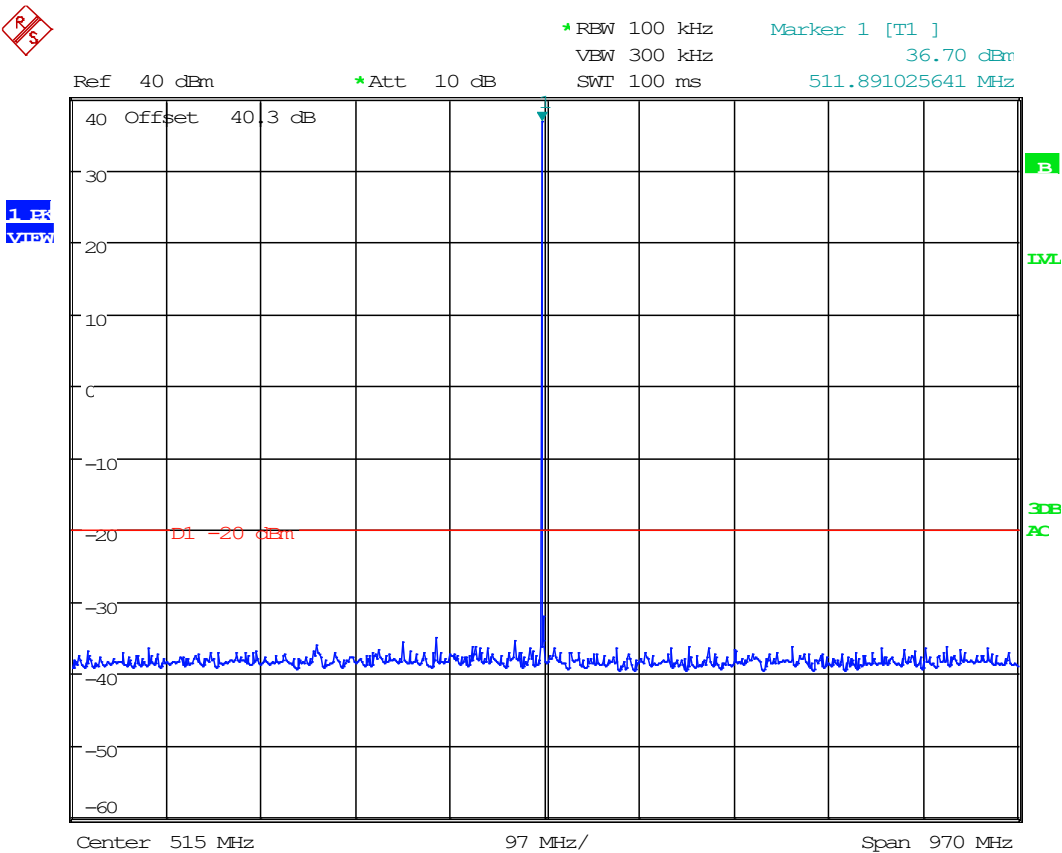
Date: 13.MAY.2020 11:34:05

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, 25k, 4QAM, Above 1 GHz)



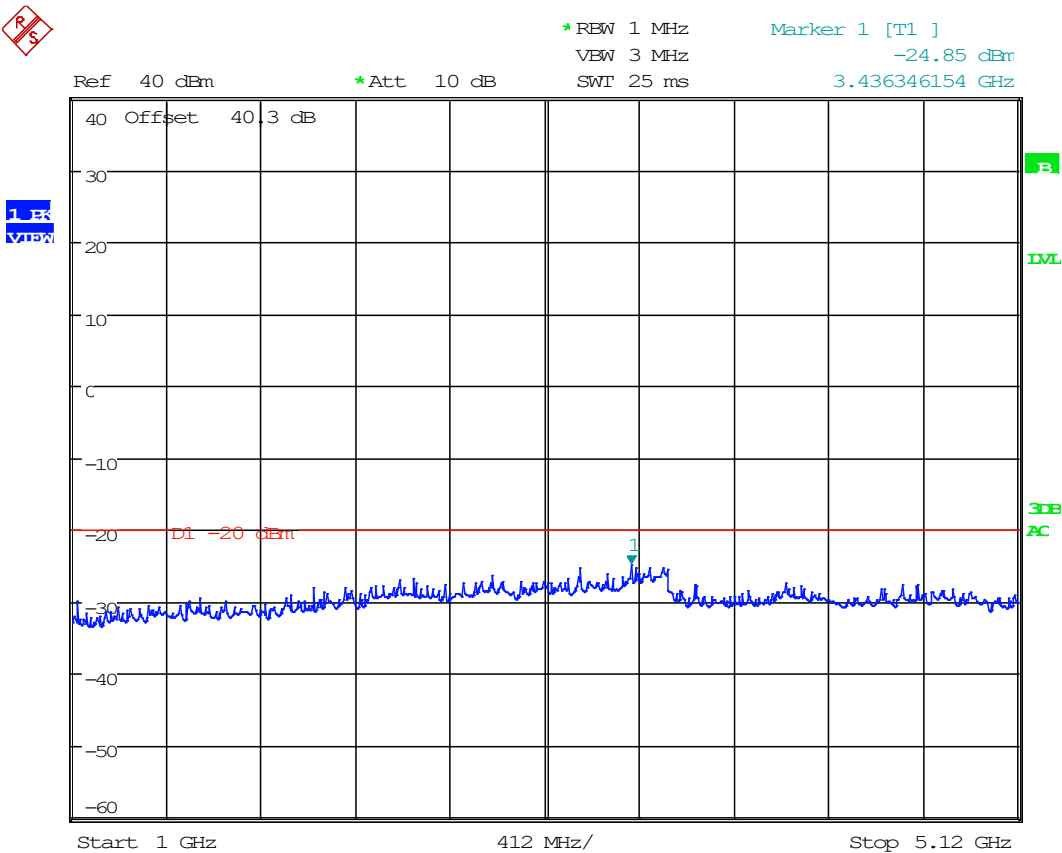
Date: 13.MAY.2020 11:33:32

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, 25k Wide, 4QAM, Below 1 GHz)



Date: 13.MAY.2020 12:14:41

CONDUCTED SPURIOUS EMISSIONS (511.975MHz, 25k Wide, 4QAM, Above 1 GHz)



Date: 13.MAY.2020 12:15:37

END OF TEST REPORT