

ANNEX 2 -PLOTS OF DTS TESTS

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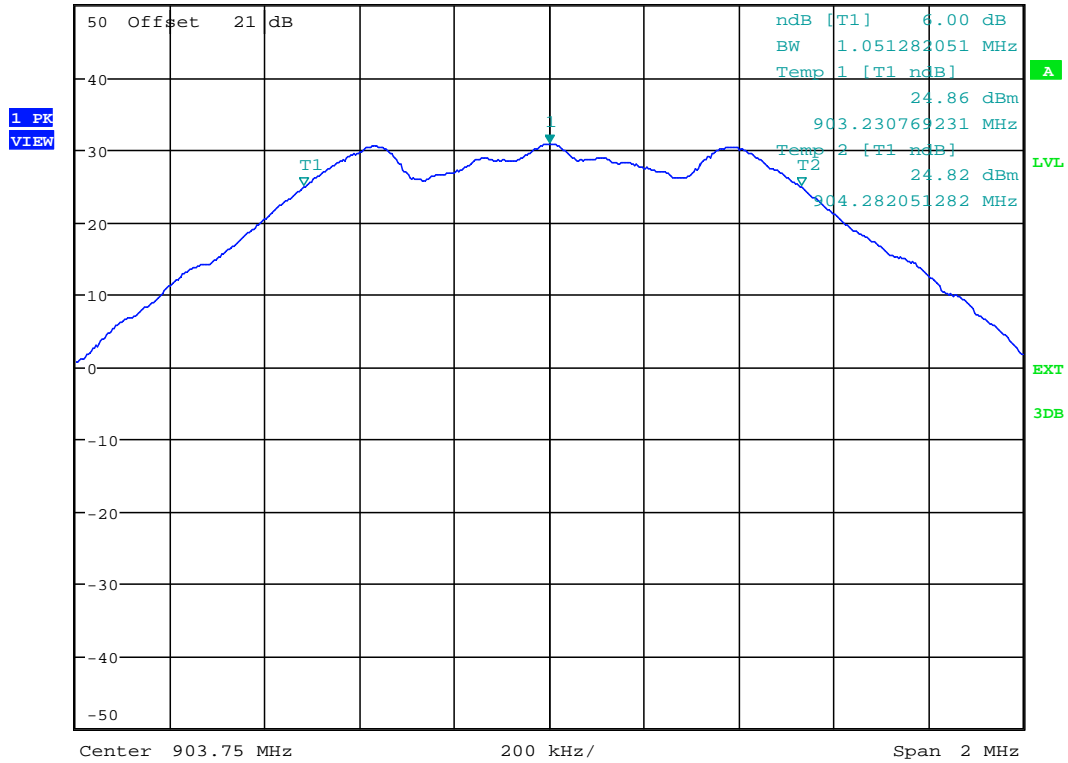
1.1. OCCUPIED BANDWIDTH

1.1.1. 6DB OBW @ DATA RATE 8

6DB OBW @ 903.75 MHZ POWER SETTING 215- DATA RATE 8

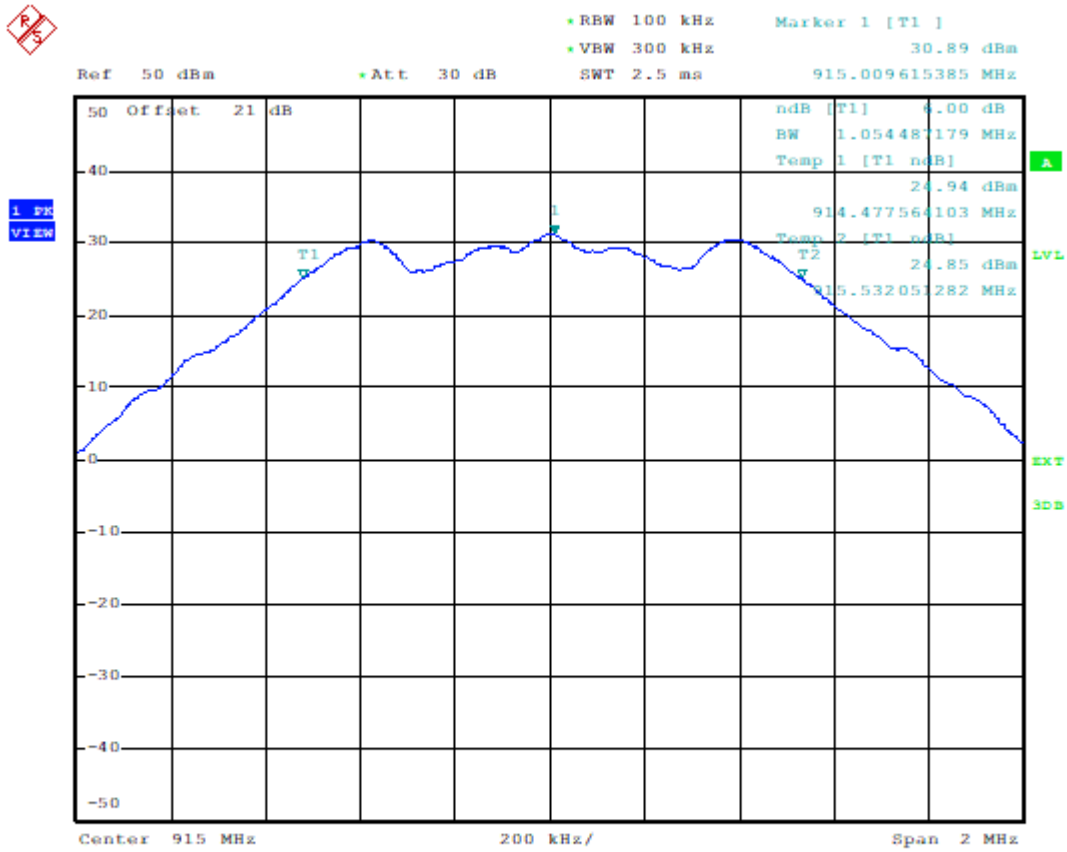


* RBW 100 kHz Marker 1 [T1]
 * VBW 300 kHz 30.84 dBm
 Ref 50 dBm * Att 30 dB SWT 2.5 ms 903.75000000 MHz



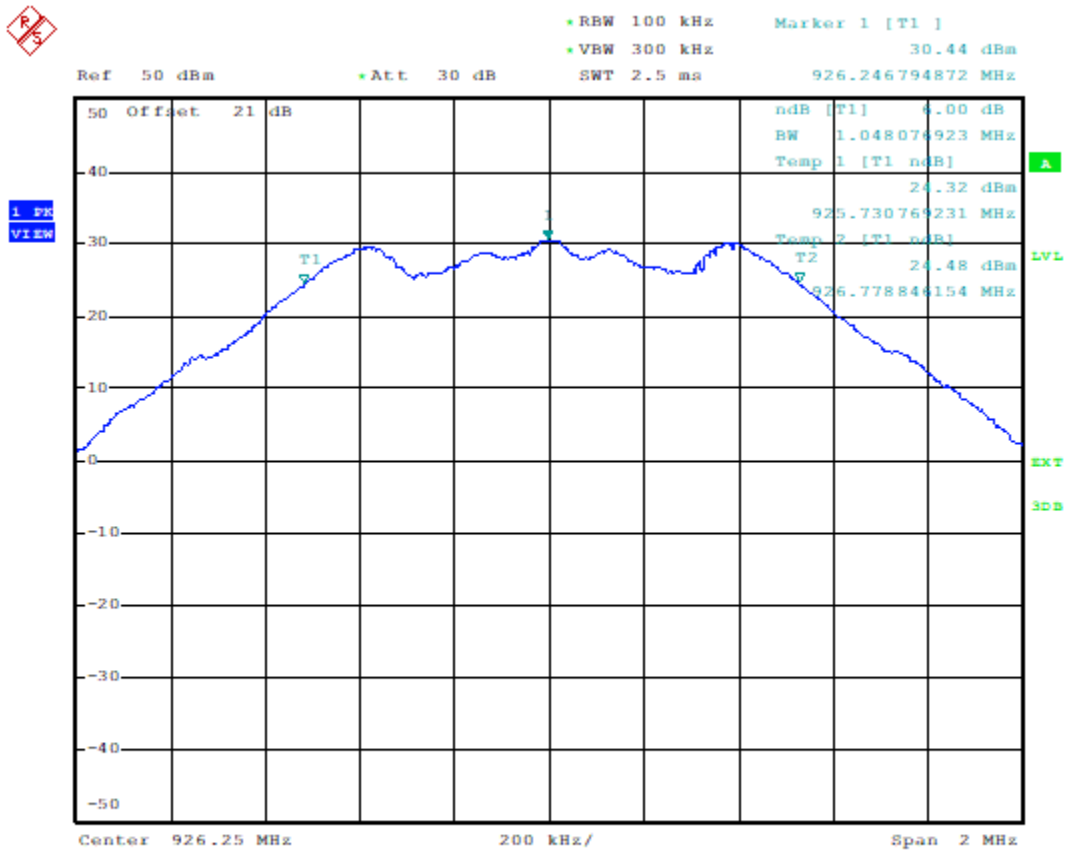
Date: 20.APR.2020 13:23:07

6DB OBW @ 915.0 MHZ POWER SETTING 225- DATA RATE 8



Date: 20.APR.2020 13:27:34

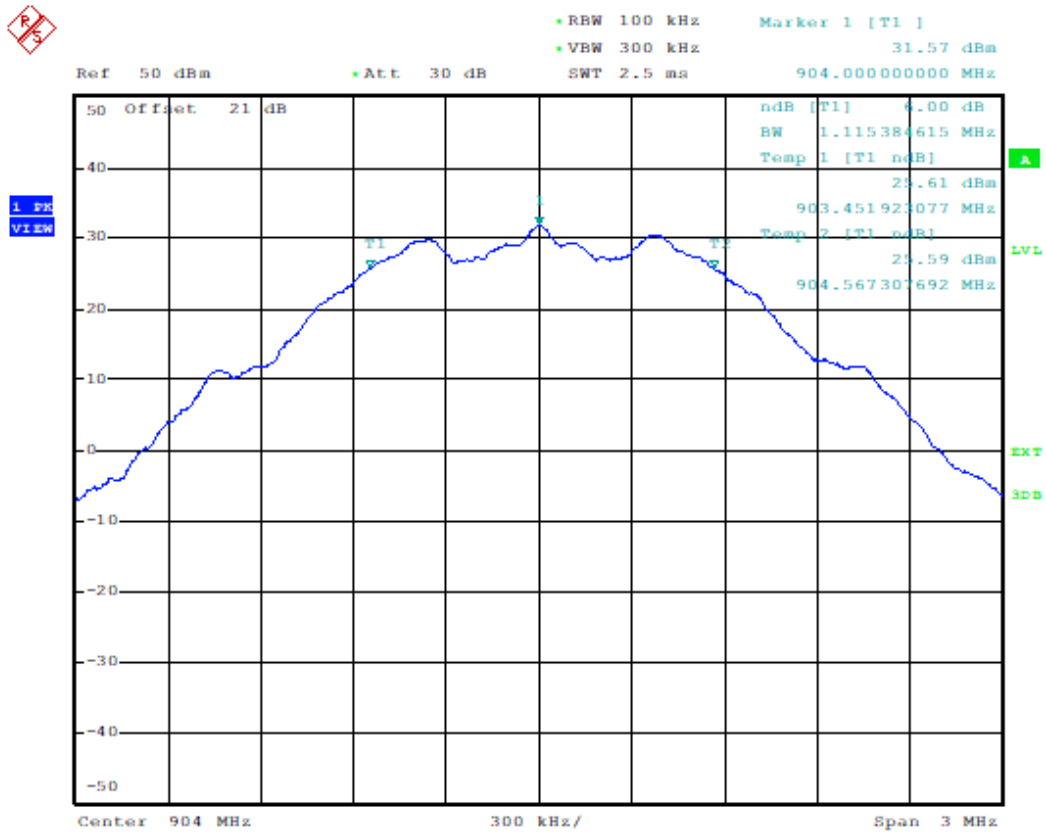
6DB OBW @ 926.25 MHZ POWER SETTING 235- DATA RATE 8



Date: 20.APR.2020 13:27:30

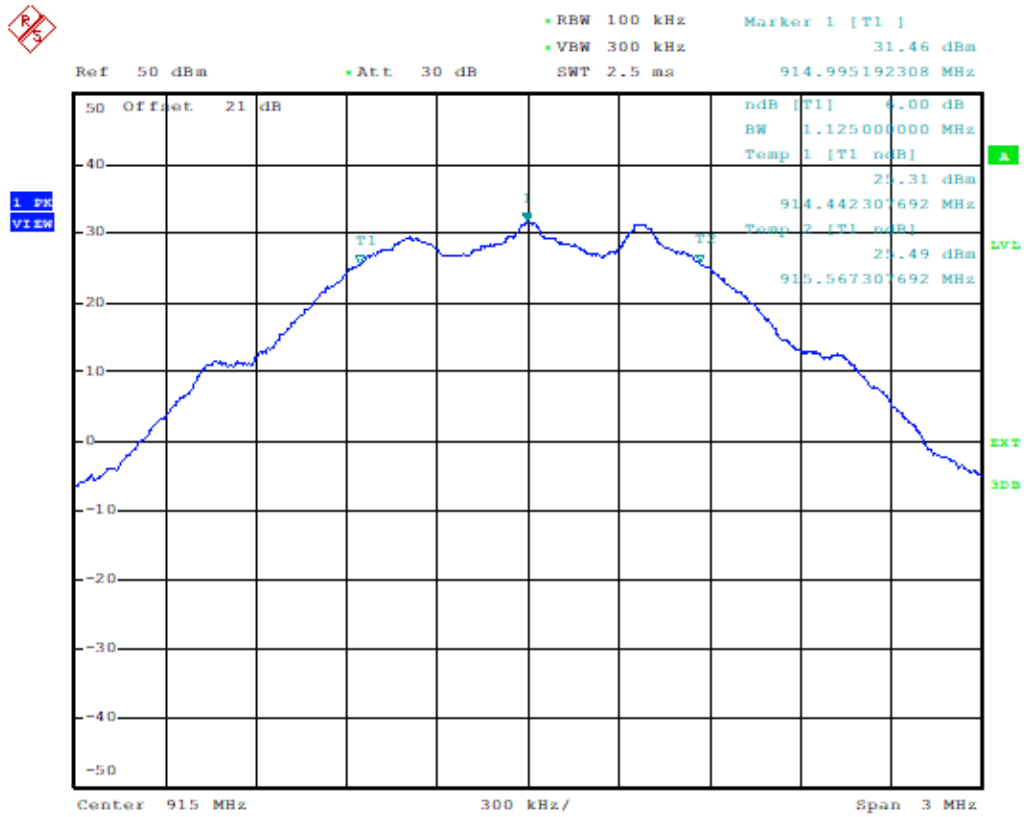
1.1.2. 6DB OBW @ DATA RATE 9

6DB OBW @ 904.0 MHZ POWER SETTING 215- DATA RATE 9



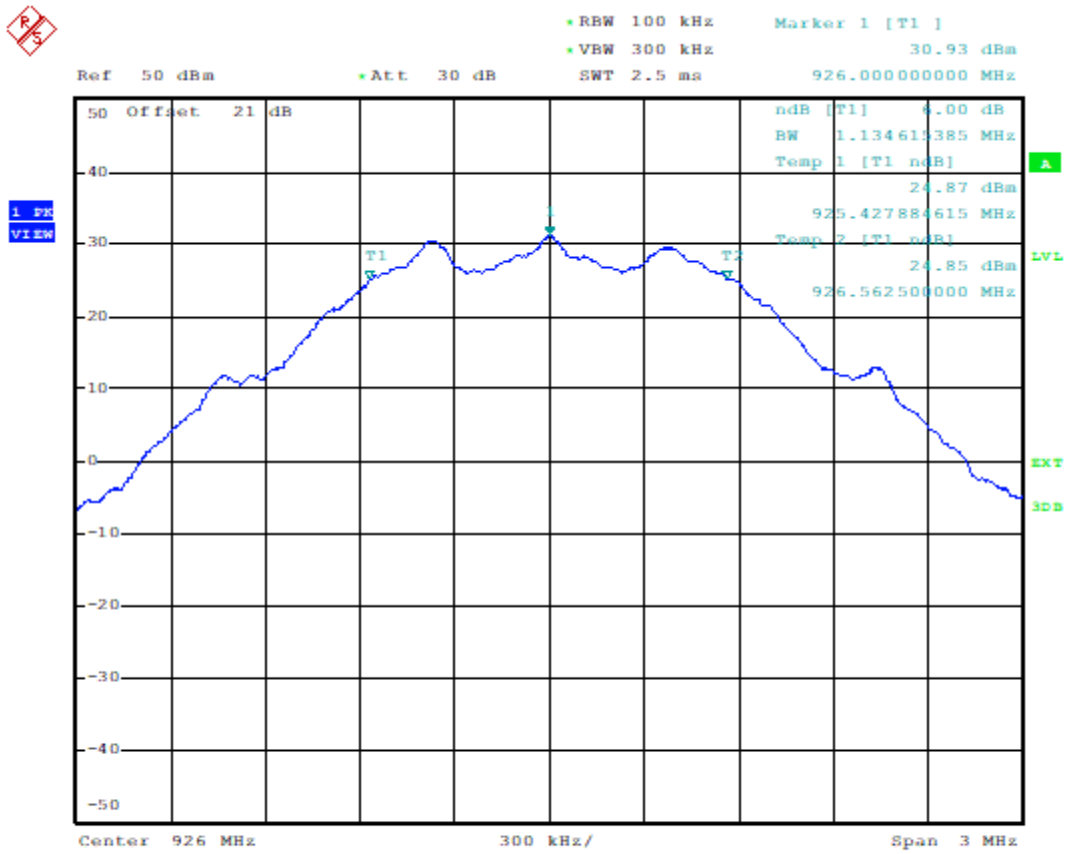
Date: 20.APR.2020 13:43:04

6DB OBW @ 915.0 MHZ POWER SETTING 225 DATA RATE 9



Date: 20.APR.2020 13:47:04

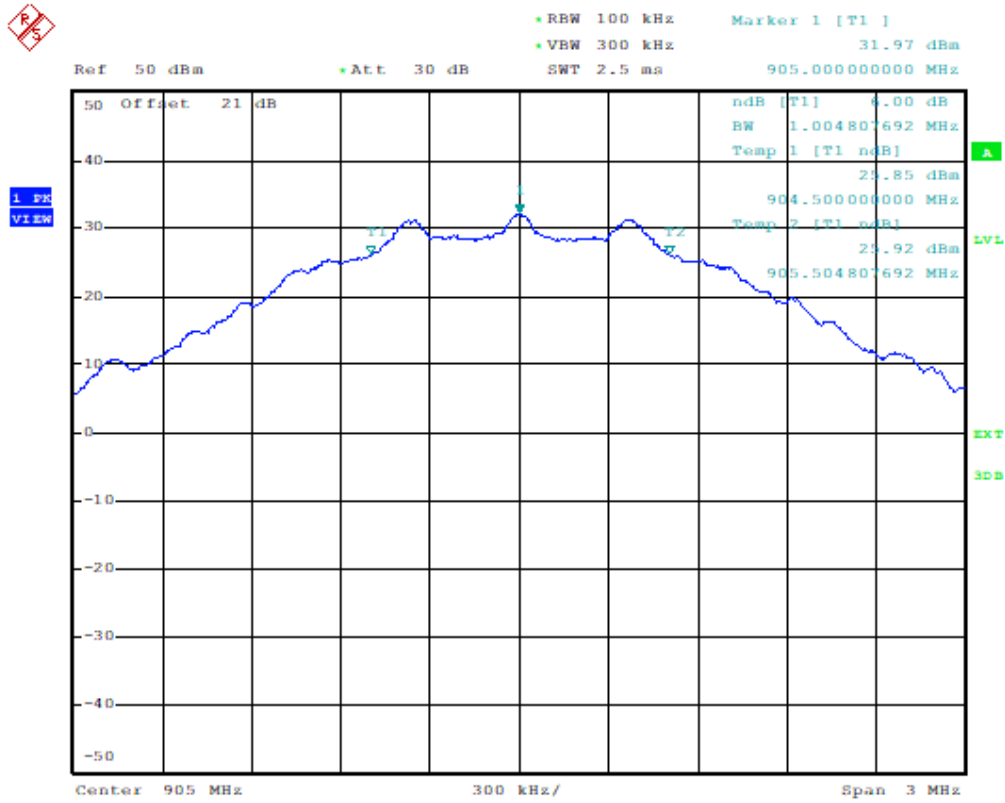
6DB OBW @ 926.0 MHZ POWER SETTING 245 DATA RATE 9



Date: 20.APR.2020 13:49:57

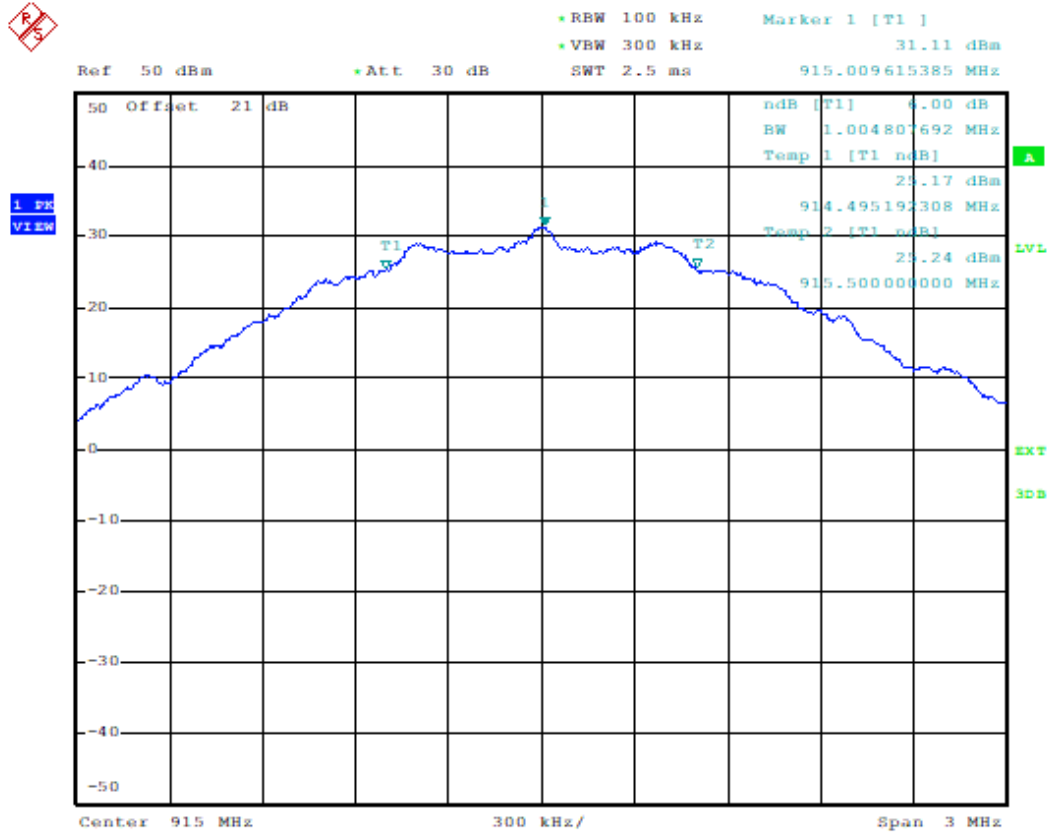
1.1.3. 6DB OBW @ DATA RATE 10

6 DB OBW @ 905.0 MHZ POWER SETTING 225 DATA RATE 10



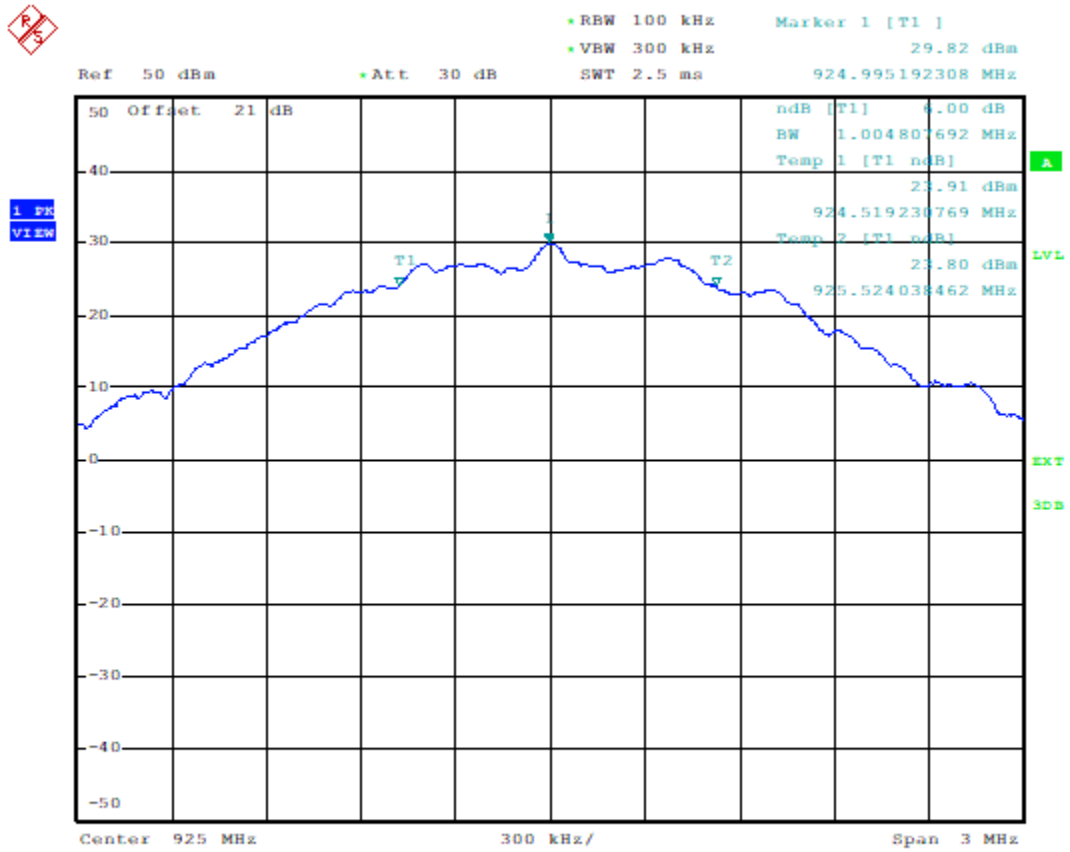
Date: 20.APR.2020 13:59:43

6 DB OBW @ 915.0 MHZ POWER SETTING 235 DATA RATE 10



Date: 20.APR.2020 14:02:46

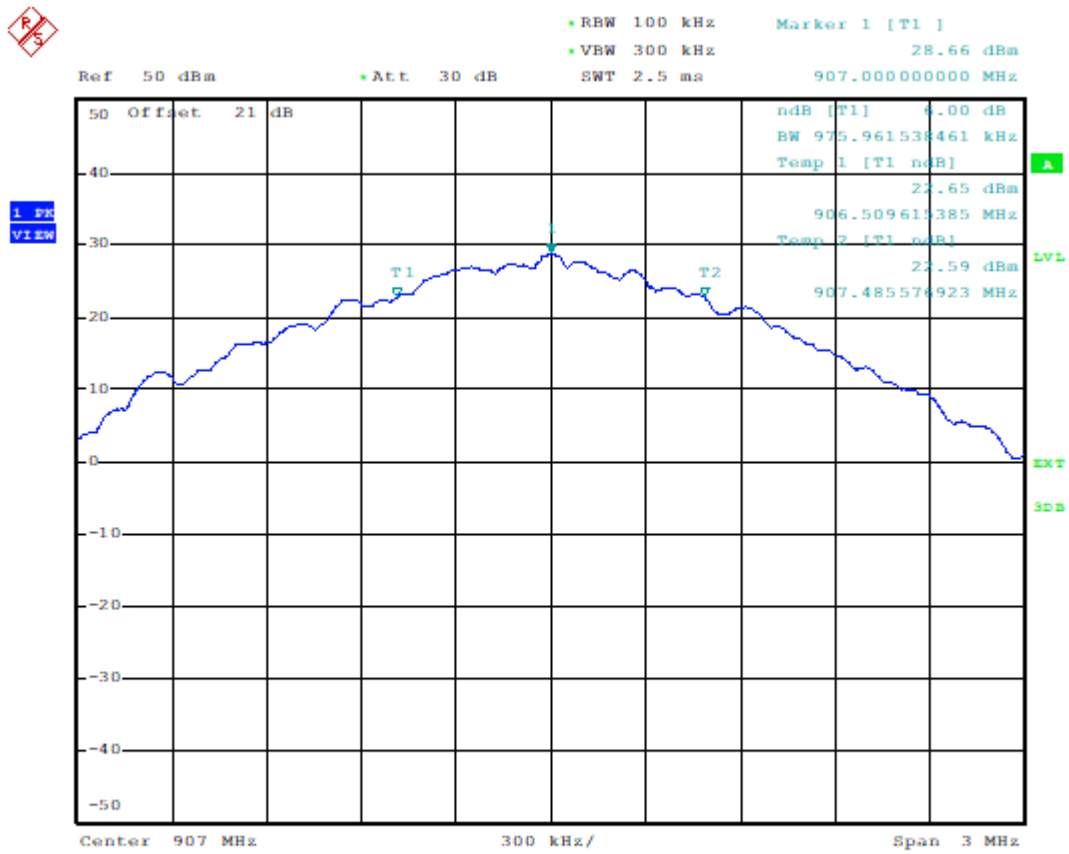
6 DB OBW @ 925.0 MHZ POWER SETTING 255 DATA RATE 10



Date: 20.APR.2020 14:08:18

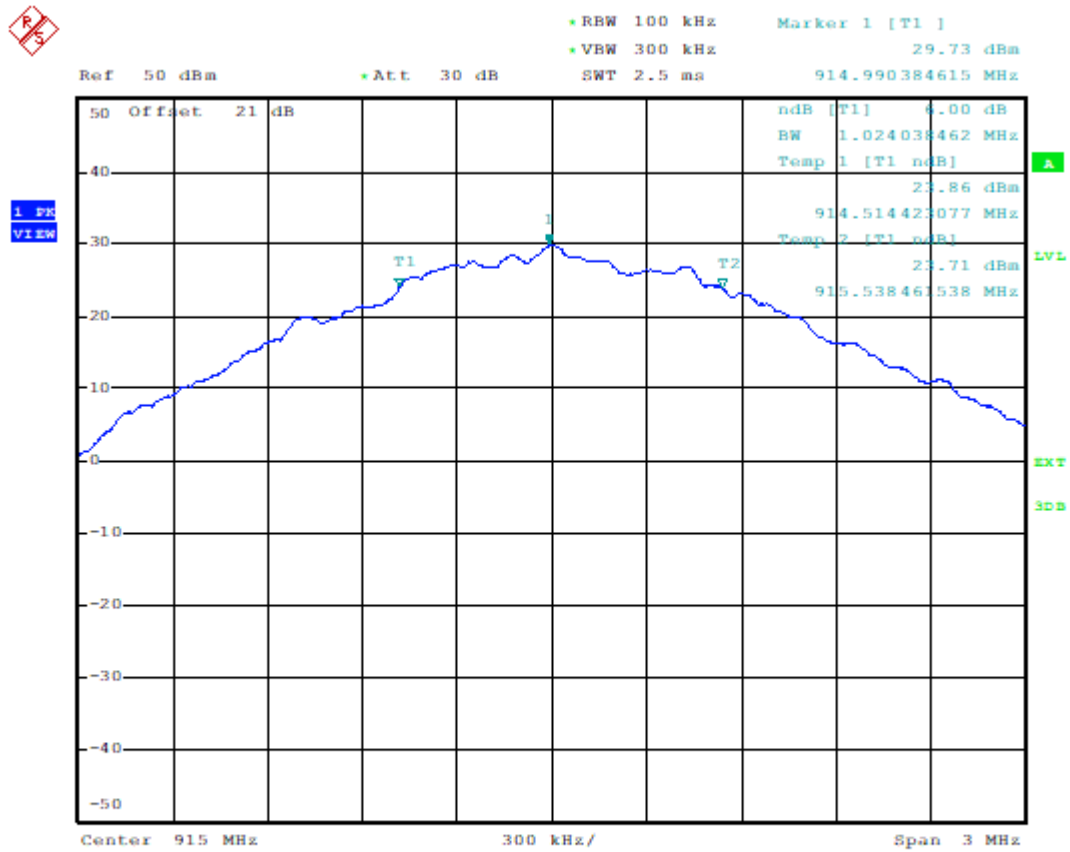
1.1.4. 6DB OBW @ DATA RATE 11

6 DB OBW @ 907.0 MHZ POWER SETTING 185 DATA RATE 11



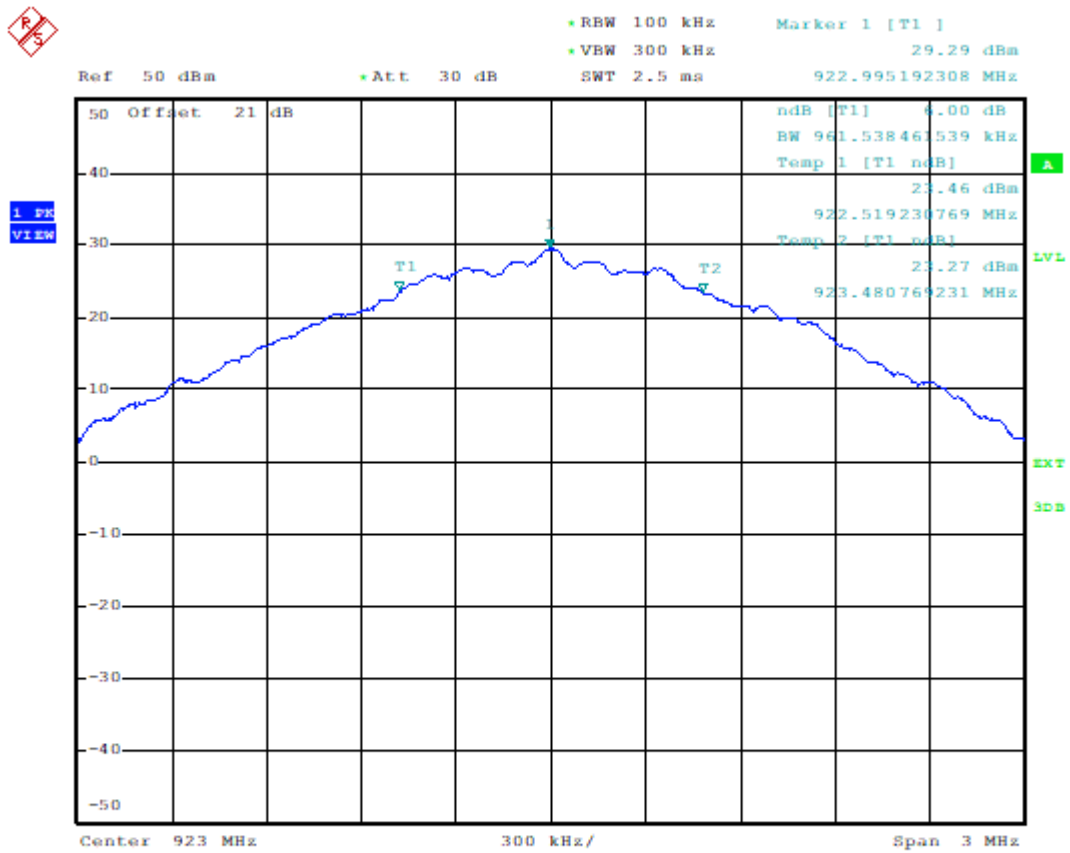
Date: 20.APR.2020 14:13:13

6 DB OBW @ 915.0 MHZ POWER SETTING 200 DATA RATE 11



Date: 20.APR.2020 14:16:07

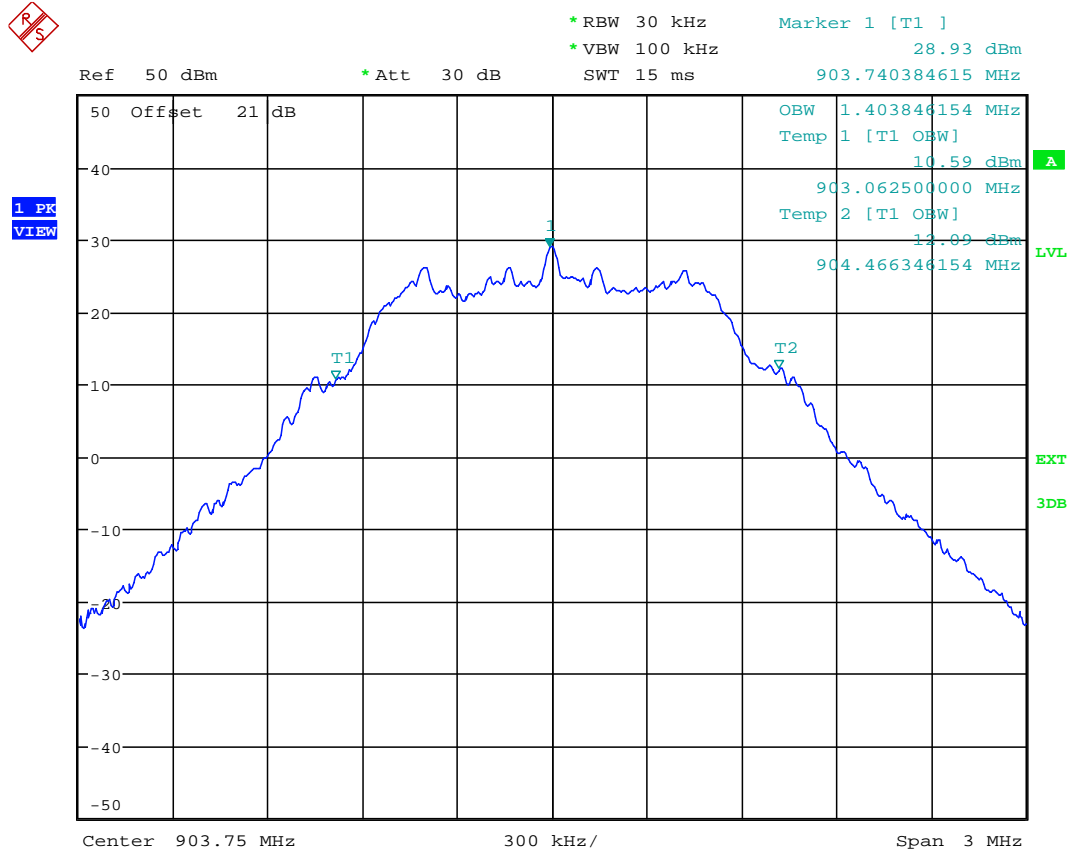
6 DB OBW @ 923.0 MHZ POWER SETTING 215 DATA RATE 11



Date: 20.APR.2020 14:20:26

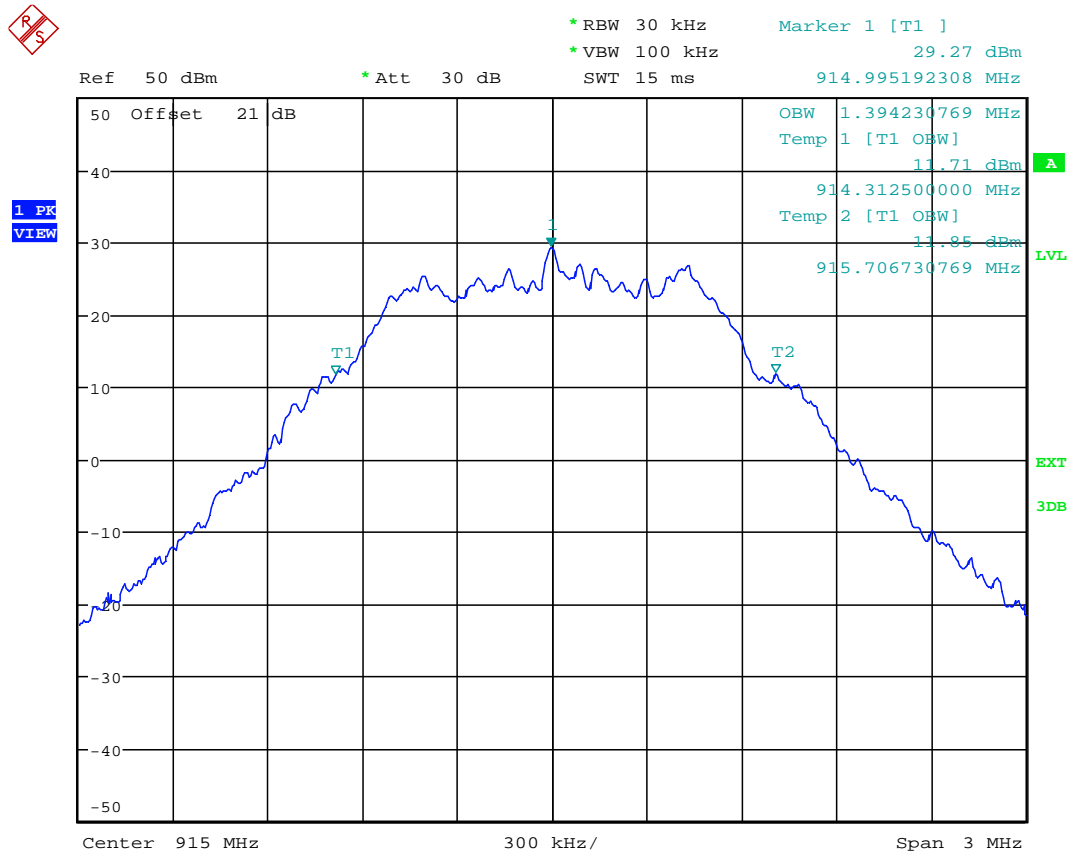
1.1.5. 99% OBW @ DATA RATE 8

99% OBW @ 903.75 MHZ POWER SETTING 215 DATA RATE 8



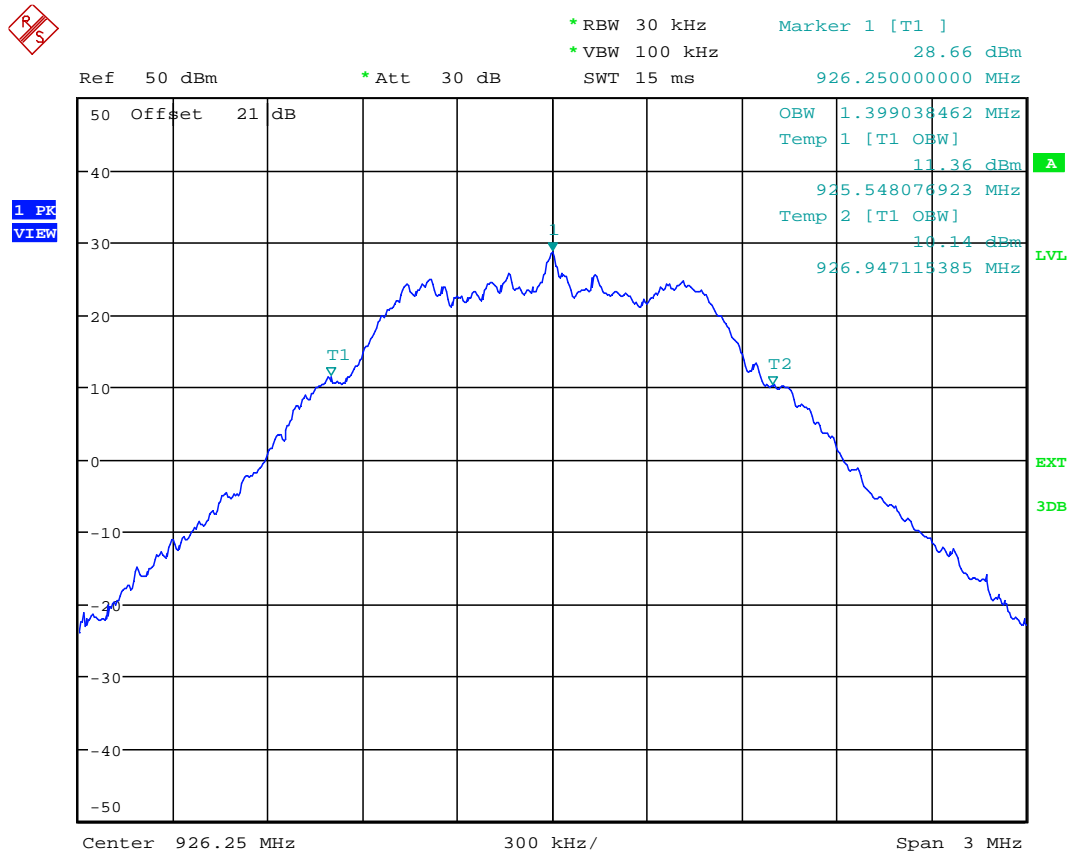
Date: 22.APR.2020 14:30:45

99% OBW @ 915.0 MHZ POWER SETTING 225 DATA RATE 8



Date: 22.APR.2020 14:27:49

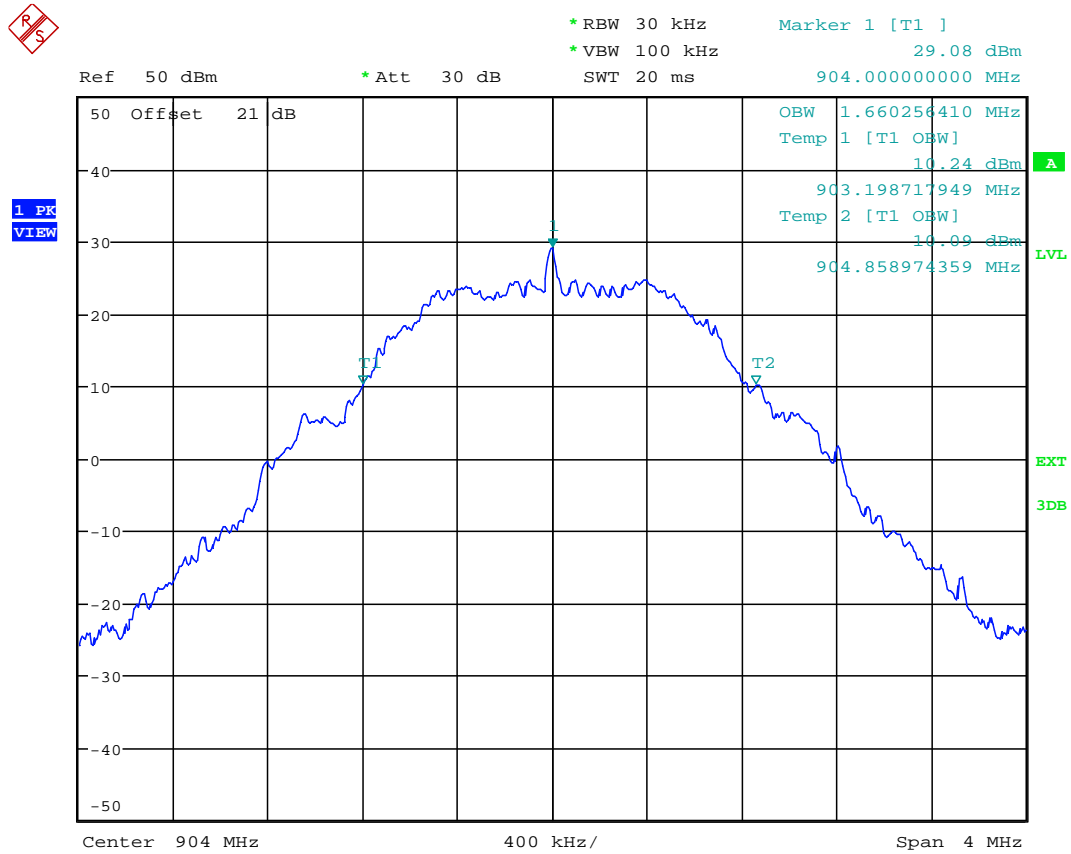
99% OBW @ 926.25 MHZ POWER SETTING 235 DATA RATE 8



Date: 22.APR.2020 15:03:48

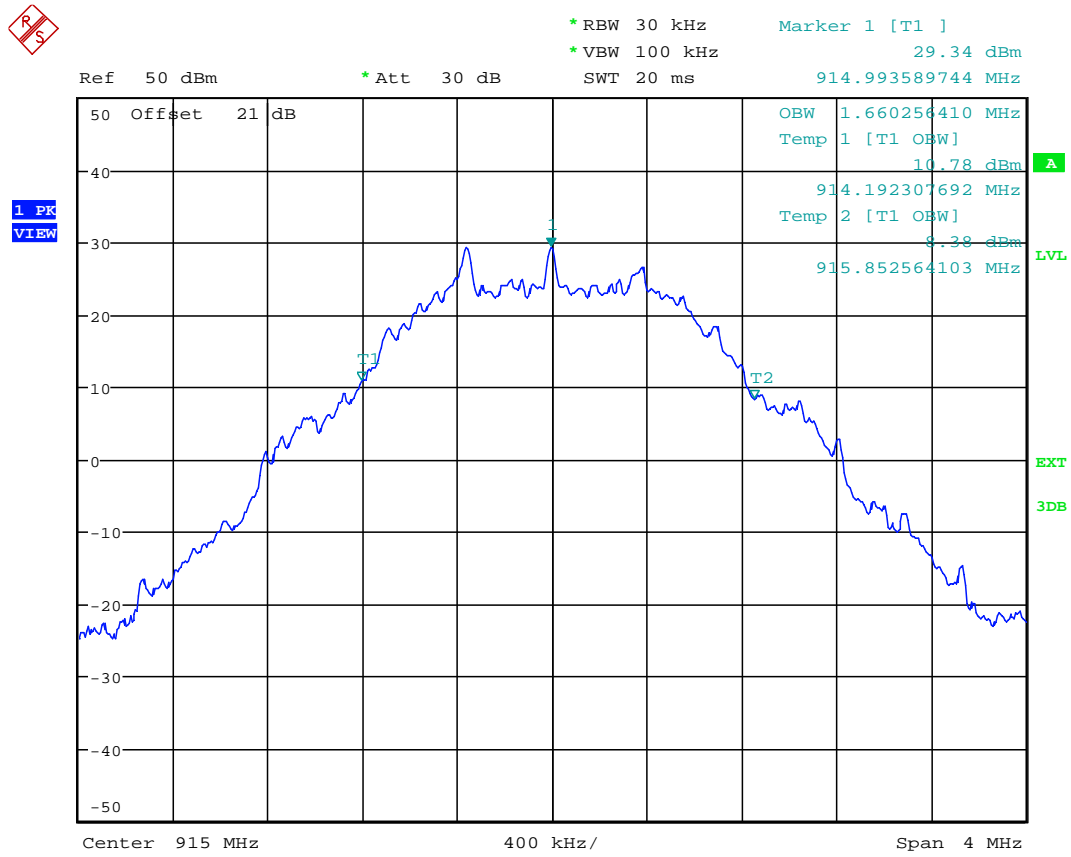
1.1.6. 99% OBW @ DATA RATE 9

99% OBW @ 904.0 MHZ POWER SETTING 215 DATA RATE 9



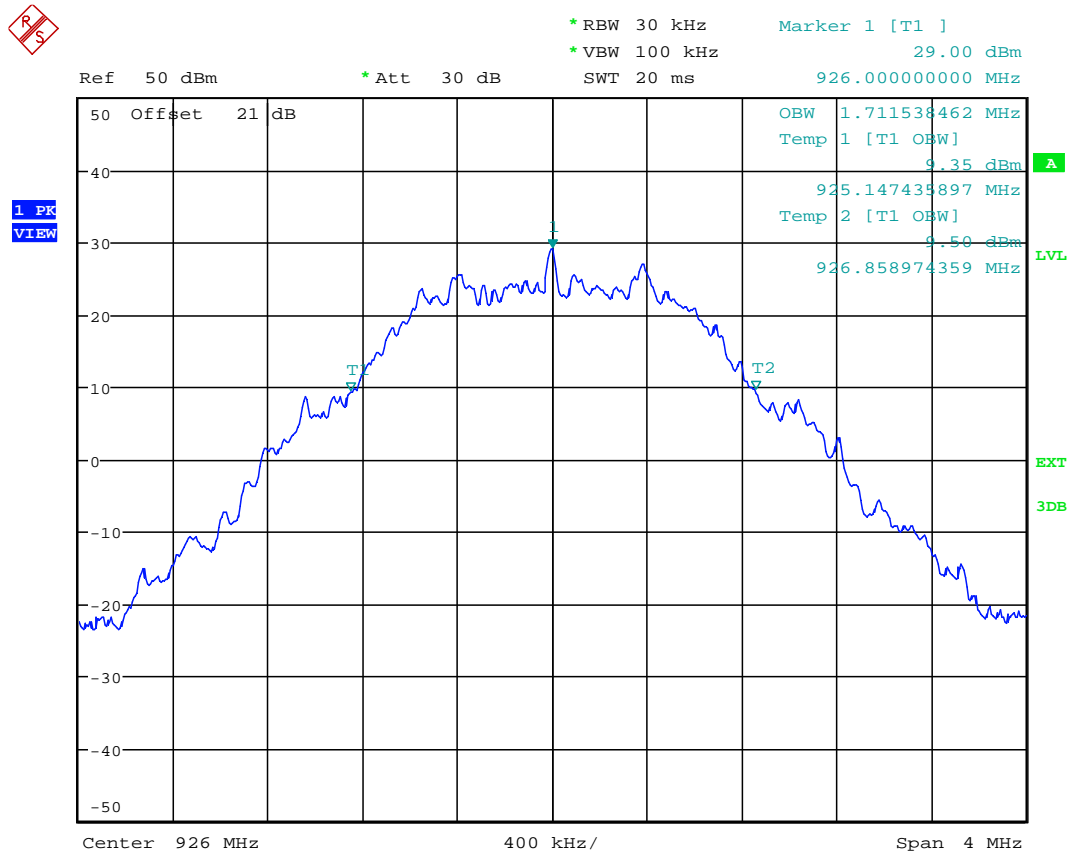
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99% OBW @ 915.0 MHZ POWER SETTING 225 DATA RATE 9



Date: 22.APR.2020 15:09:15

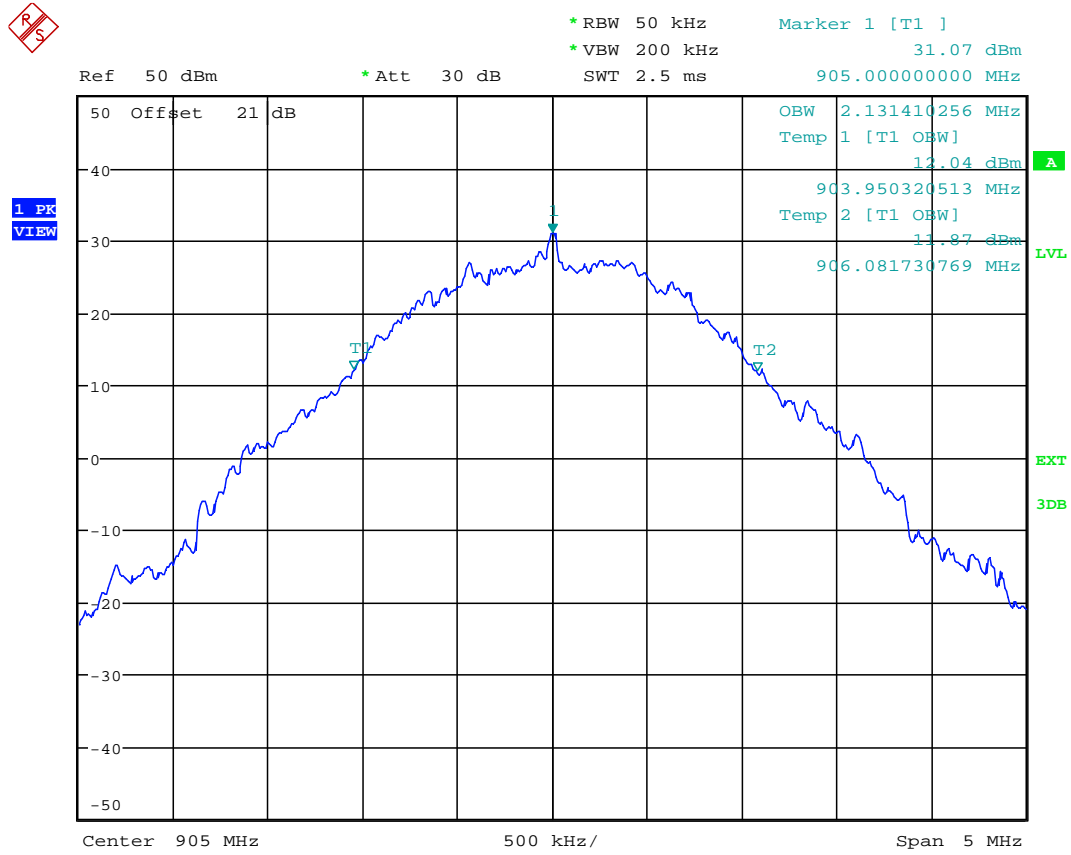
99% OBW @ 926.0 MHz POWER SETTING 245 DATA RATE 9



Date: 22.APR.2020 15:20:34

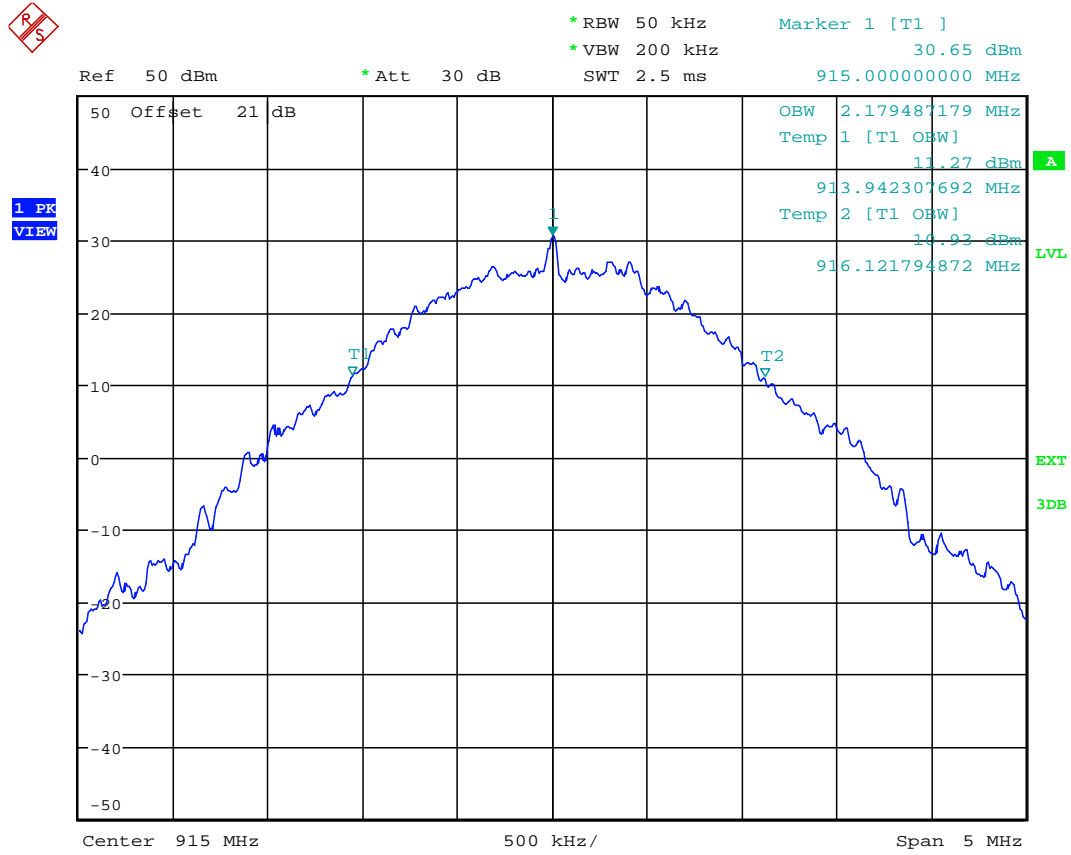
1.1.7. 99% OBW @ DATA RATE 10

99% OBW @ 905.0 MHZ POWER SETTING 225 DATA RATE 10



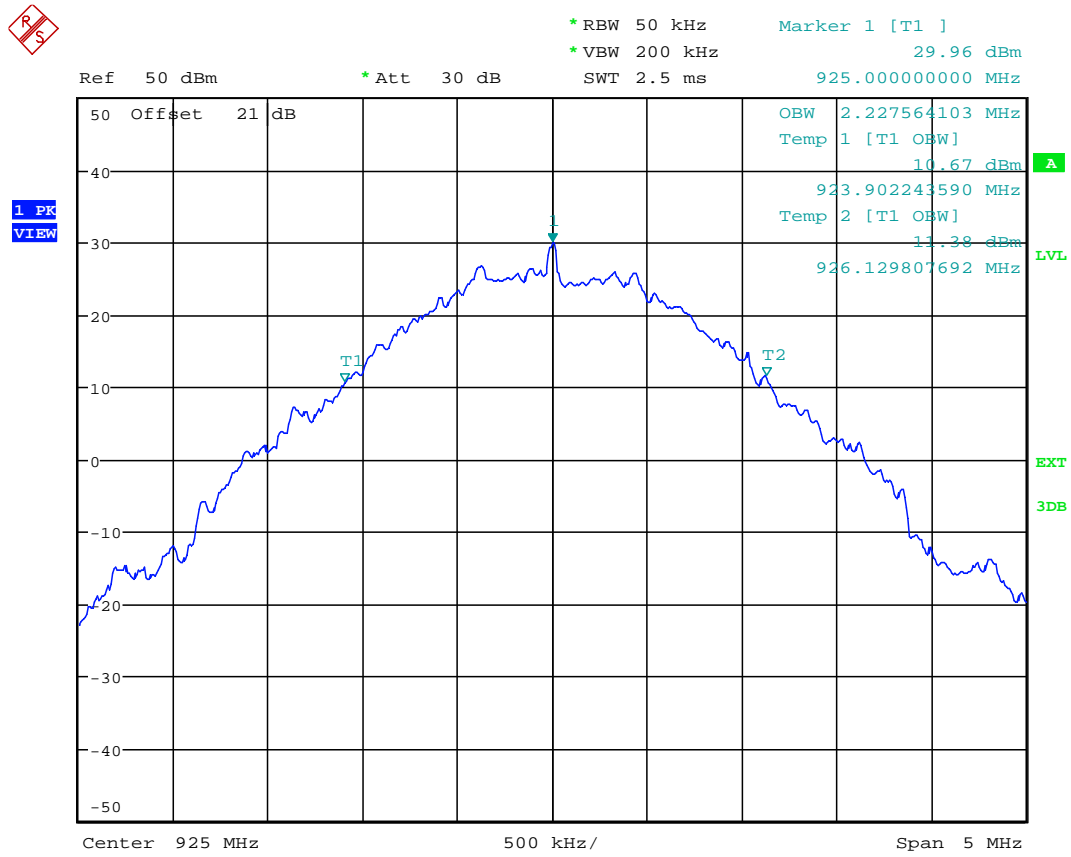
Date: 22.APR.2020 15:31:40

99% OBW @ 915.0 MHZ POWER SETTING 235 DATA RATE 10



Date: 22.APR.2020 15:28:03

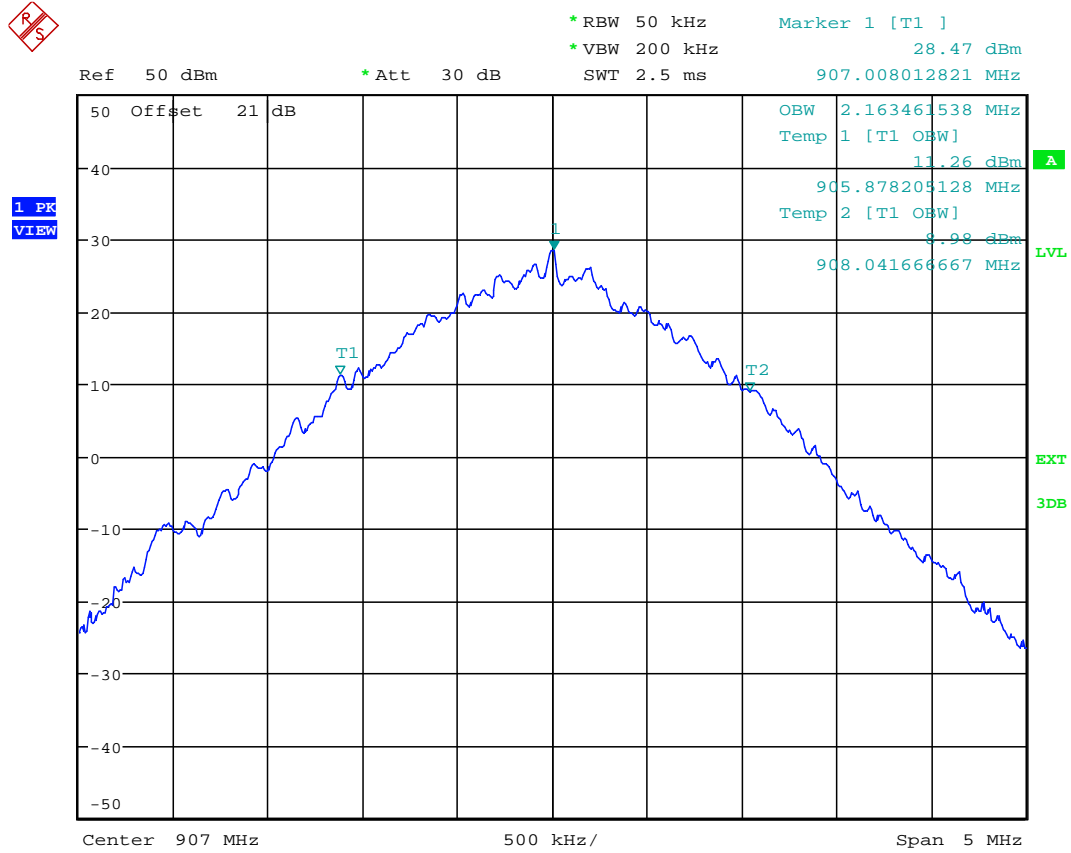
99% OBW @ 925.0 MHz POWER SETTING 255 DATA RATE 10



Date: 22.APR.2020 15:34:42

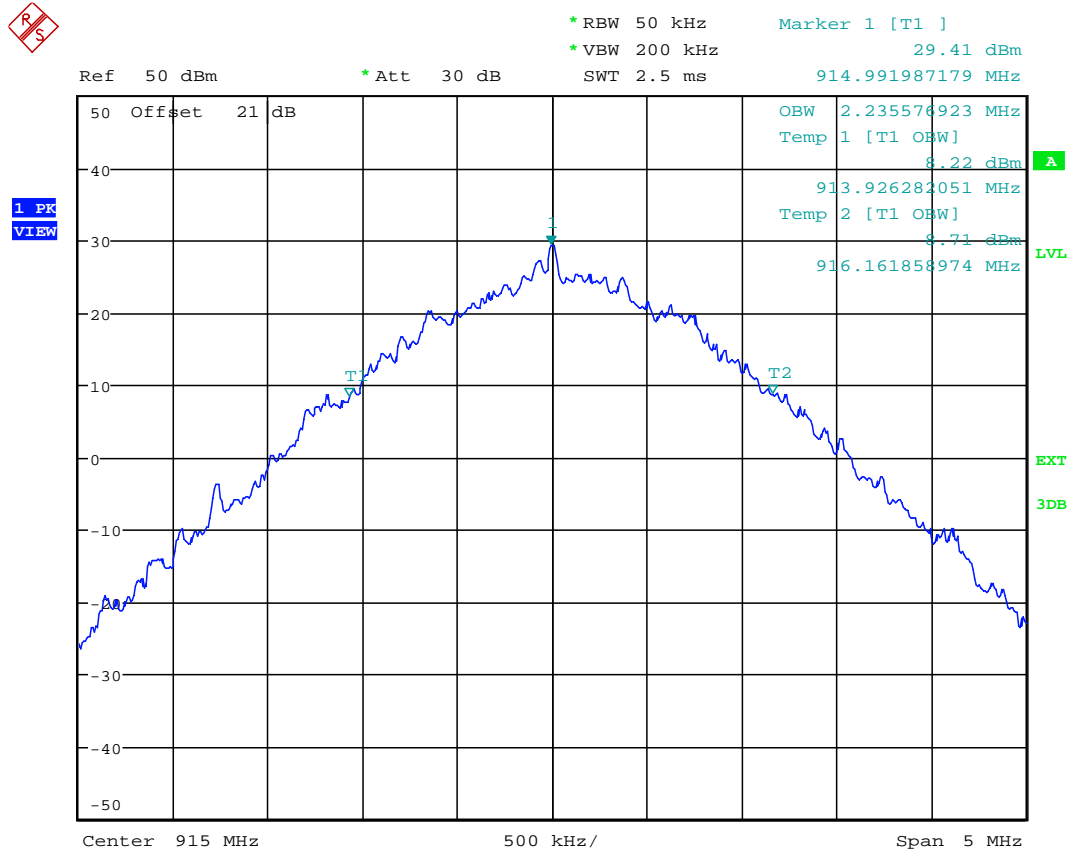
1.1.8. 99% OBW @ DATA RATE 11

99% OBW @ 907.0 MHZ POWER SETTING 185 DATA RATE 11



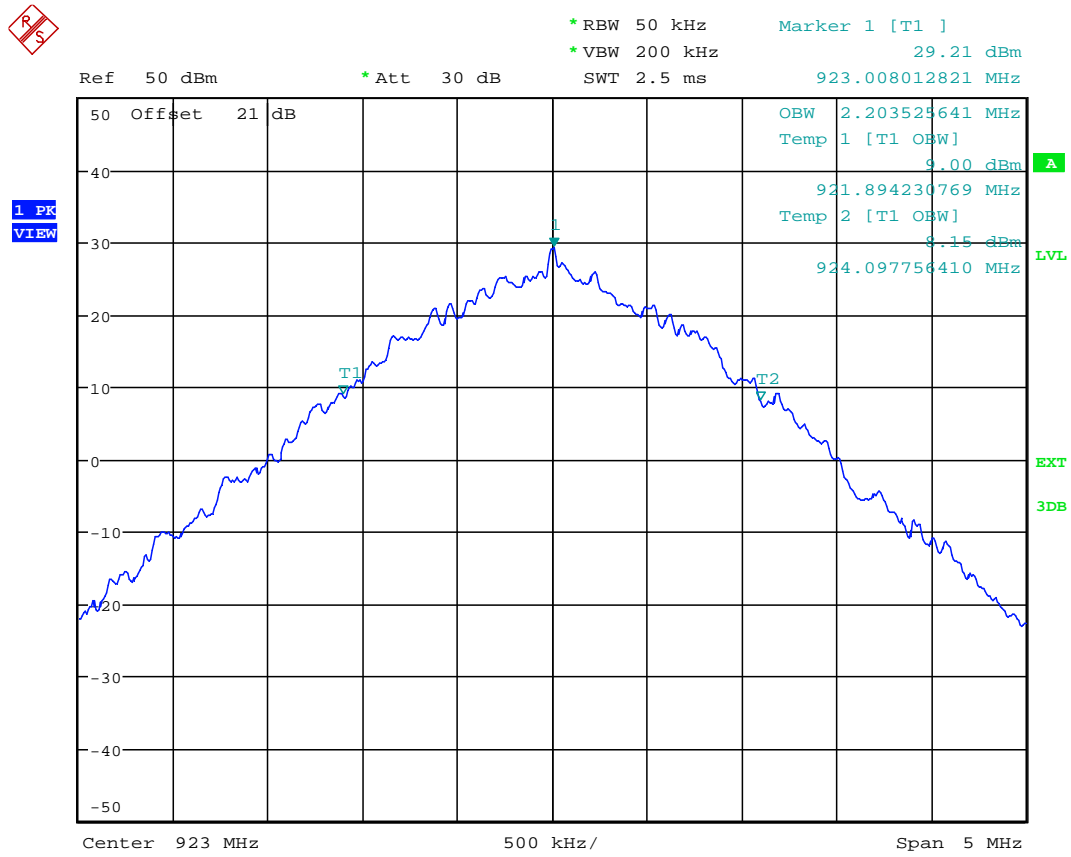
Date: 22.APR.2020 15:48:47

99% OBW @ 915.0 MHZ POWER SETTING 200 DATA RATE 11



Date: 22.APR.2020 15:46:38

99% OBW @ 923.0 MHZ POWER SETTING 215 DATA RATE 11



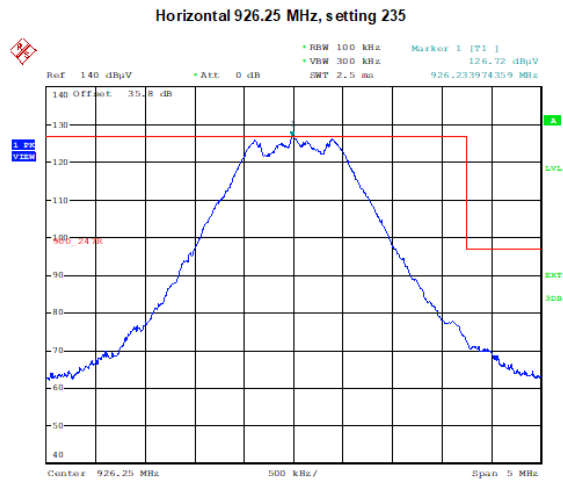
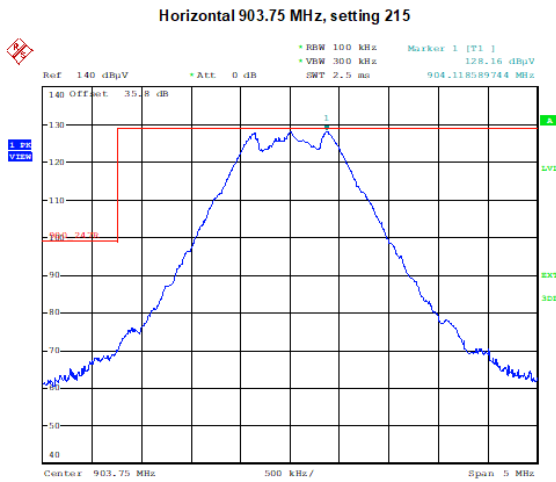
Date: 22.APR.2020 15:53:20

1.2. BAND EDGE RADIATED

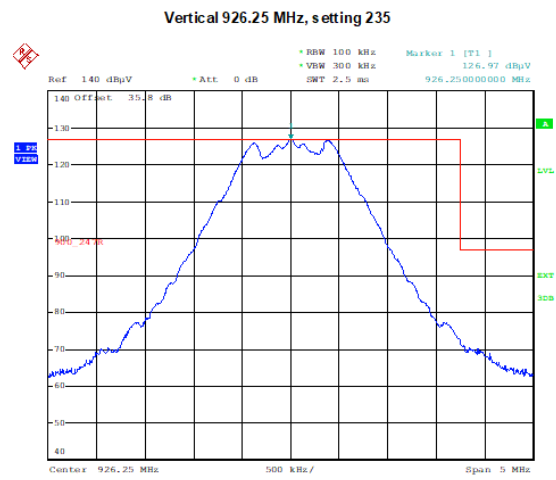
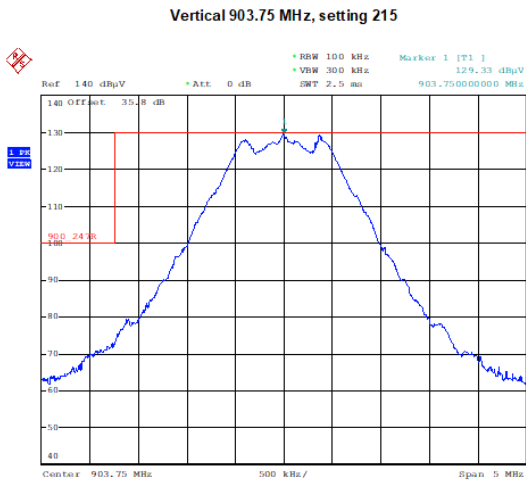
1.2.1. RUBBER DUCKY ANTENNA (3DBI) RADIATED BAND EDGE

DATA RATE 8

RADIATED BE @ 903.75 MHZ SETTING 215 & 926.25 MHZ SETTING 235-HORIZONTAL-DUCKY- RATE-8

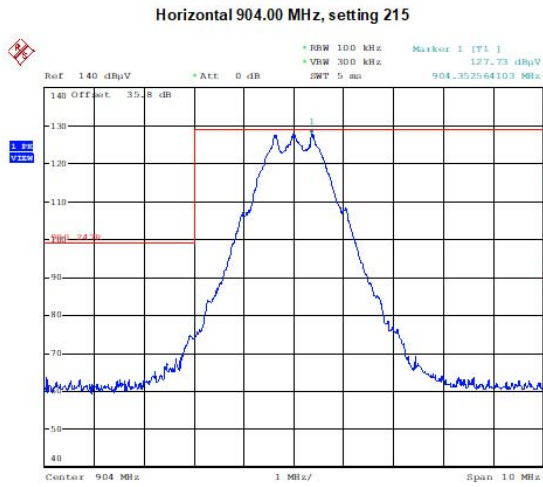


RADIATED BE @ 903.75 MHZ POWER SETTING 215 & 926.25 MHZ POWER SETTING 235-VERTICAL -DUCKY- RATE-8

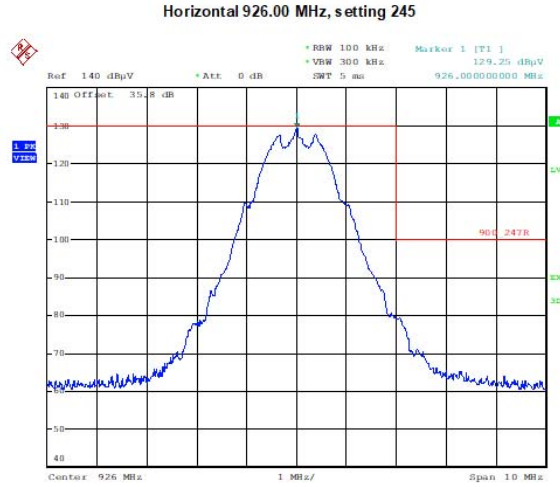


DATA RATE 9

RADIATED BE @ 904.0 MHZ POWER SETTING 215 & 926.0 MHZ POWER SETTING 245- HORIZONTAL-DUCKY- RATE-9

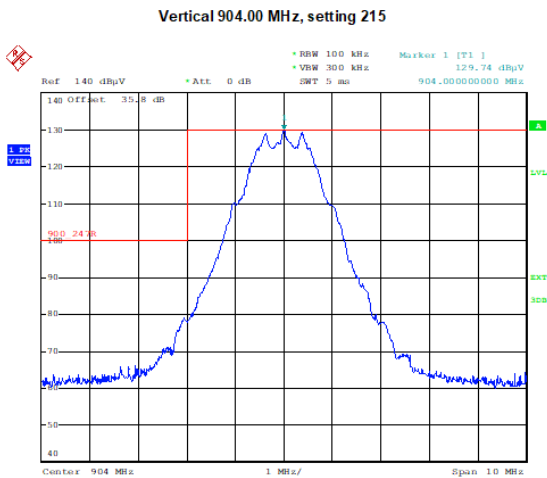


Date: 28.APR.2020 10:35:36

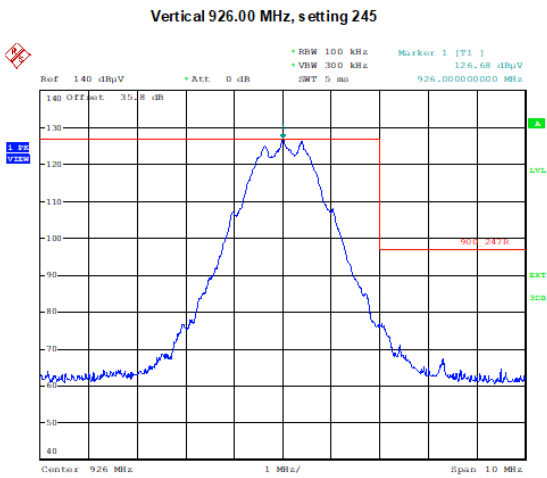


Date: 28.APR.2020 10:04:07

RADIATED BE @ 904.0 MHZ POWER SETTING 215 & 926.0 MHZ POWER SETTING 245-VERTICAL-DUCKY- RATE-9



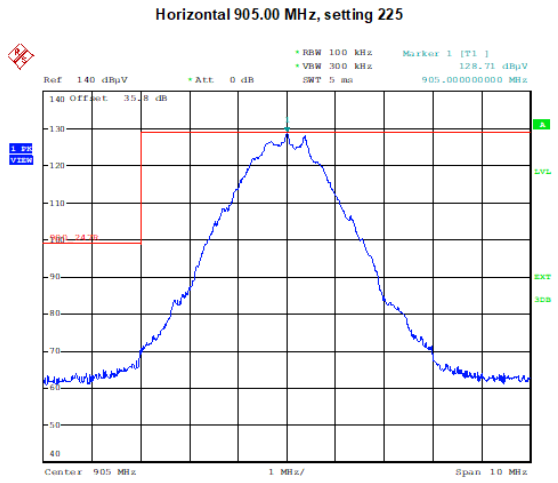
Date: 28.APR.2020 09:49:00



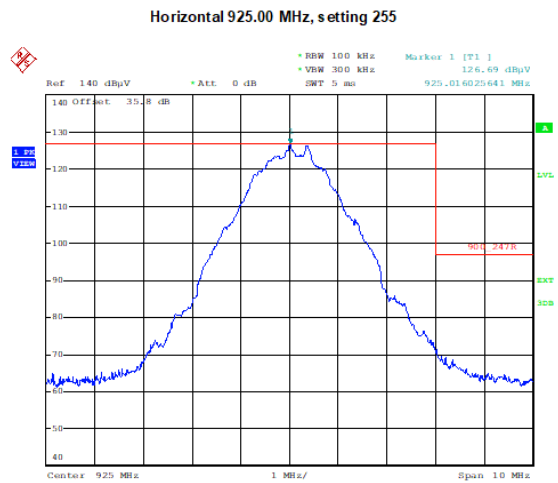
Date: 28.APR.2020 11:00:02

DATA RATE 10

RADIATED BE @ 905.0 MHz POWER SETTING 225 & 925.0 MHz POWER SETTING 255-HORIZONTAL -DUCKY- RATE-10

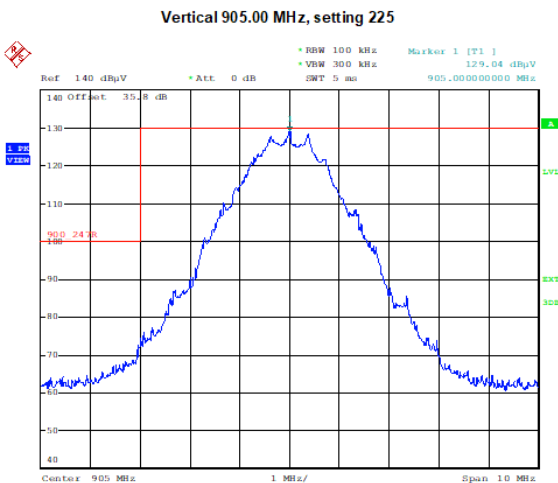


Date: 28.APR.2020 13:31:52

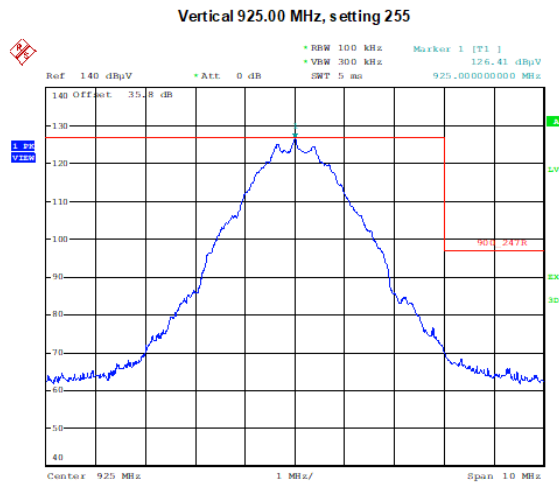


Date: 28.APR.2020 13:20:25

RADIATED BE @ 905.0 MHz POWER SETTING 225 & 925.0 MHz POWER SETTING 255-VERTICAL -DUCKY- RATE-10



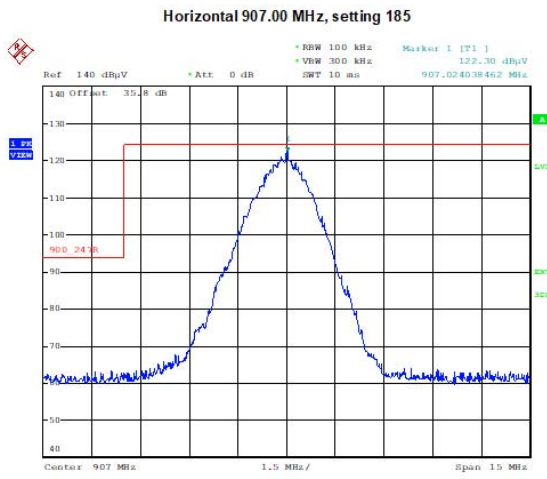
Date: 28.APR.2020 10:19:41



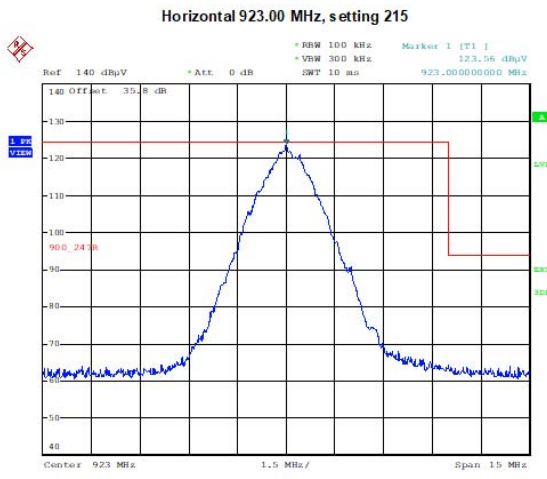
Date: 28.APR.2020 10:55:01

DATA RATE 11

RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-HORIZONTAL -DUCKY- RATE-11

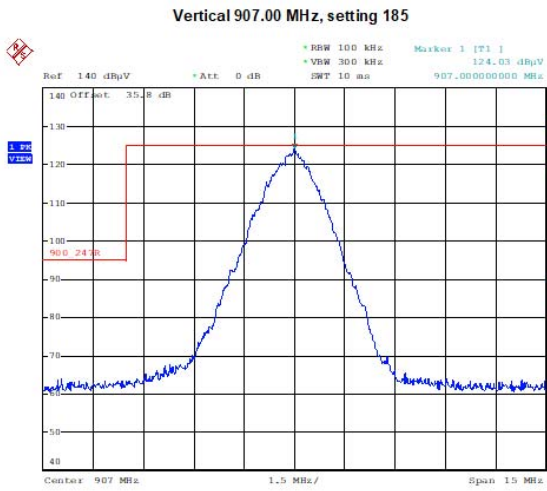


Date: 28.APR.2020 19:28:21

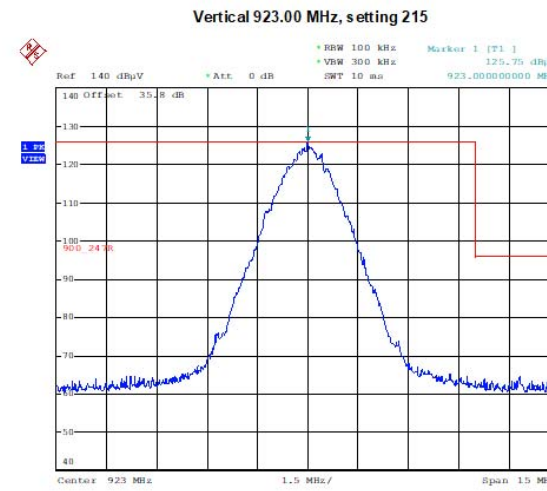


Date: 28.APR.2020 19:24:19

RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-VERTICAL -DUCKY- RATE-11



Date: 28.APR.2020 10:32:32



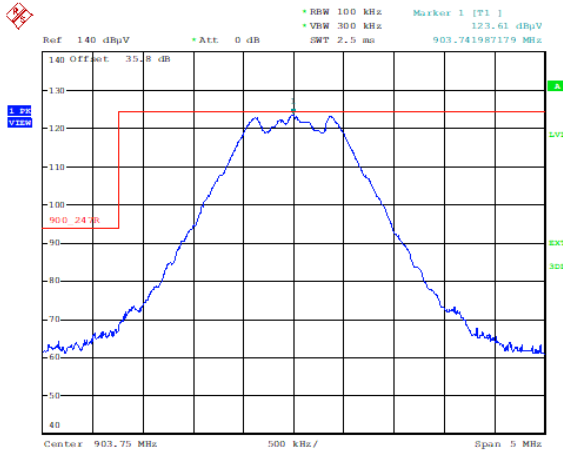
Date: 28.APR.2020 10:46:58

1.2.2. PUCK ANTENNA (4DBI) RADIATED BAND EDGE

DATA RATE 8

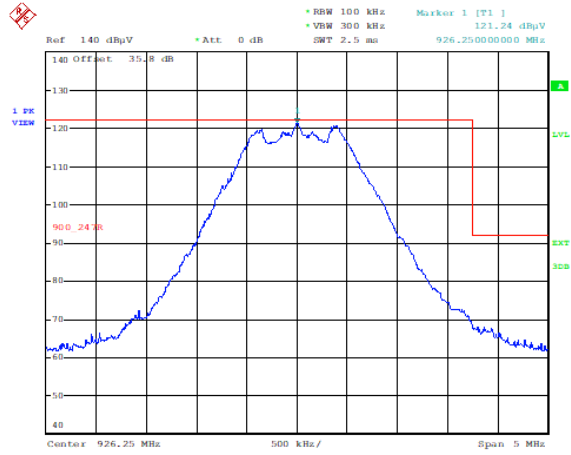
RADIATED BE @ 903.75 MHZ POWER SETTING 215 & 926.25 MHZ POWER SETTING 235-HORIZONTAL -PUCK- RATE-8

Horizontal 903.75 MHz, setting 215



Date: 27.APR.2020 15:00:23

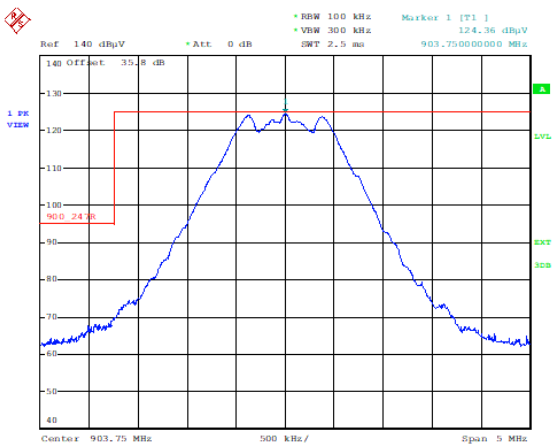
Horizontal 926.25 MHz, setting 235



Date: 27.APR.2020 14:57:20

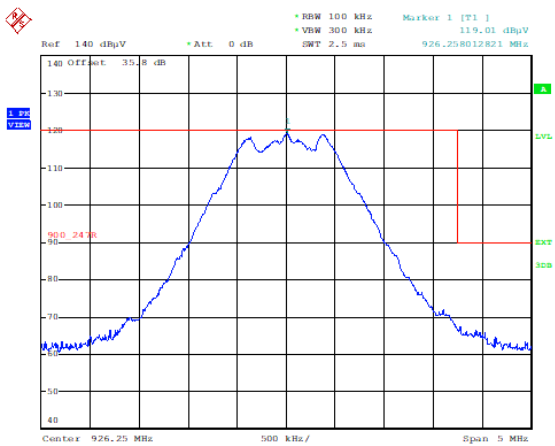
RADIATED BE @ 903.75 MHZ POWER SETTING 215 & 926.25 MHZ POWER SETTING 235-VERTICAL -PUCK- RATE-8

Vertical 903.75 MHz, setting 215



Date: 27.APR.2020 13:57:31

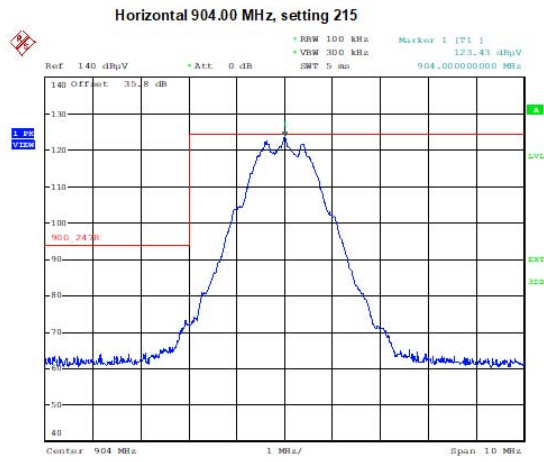
Vertical 926.25 MHz, setting 235



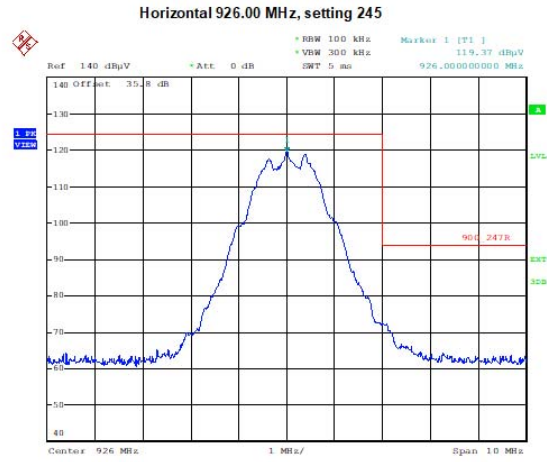
Date: 27.APR.2020 14:47:53

DATA RATE 9

RADIATED BE @ 904.0 MHZ POWER SETTING 215 & 926.0 MHZ POWER SETTING 245-HORIZONTAL -PUCK- RATE-9

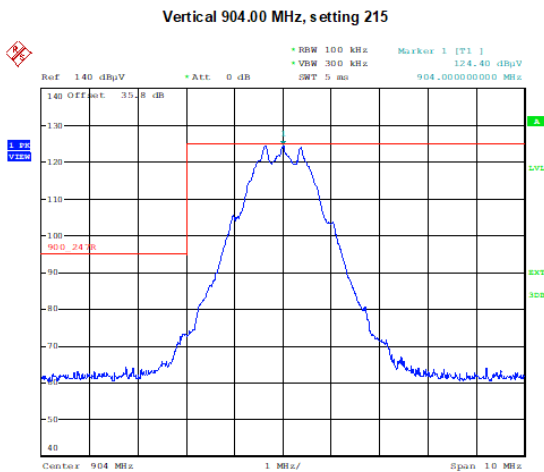


Date: 27.APR.2020 15:05:25

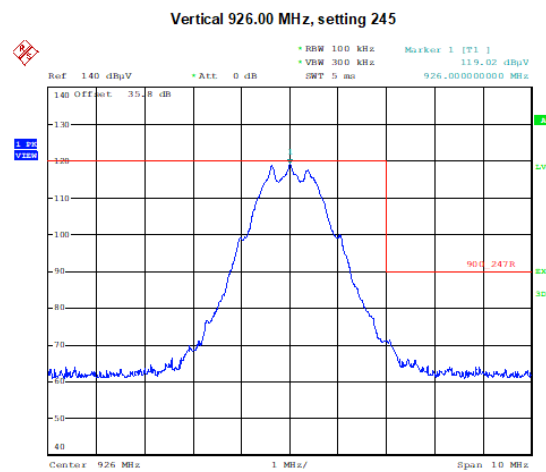


Date: 27.APR.2020 15:11:13

RADIATED BE @ 904.0 MHZ POWER SETTING 215 & 926.0 MHZ POWER SETTING 245-VERTICAL -PUCK- RATE-9



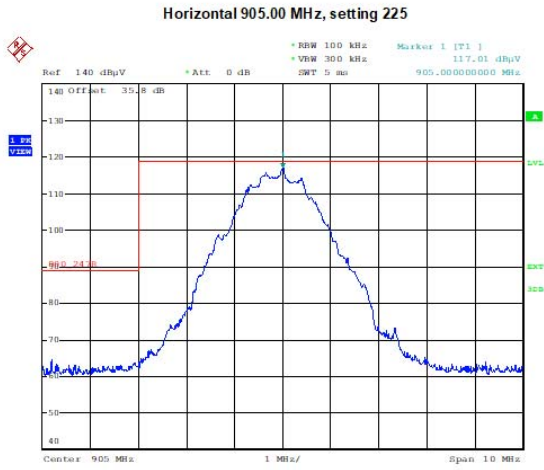
Date: 27.APR.2020 14:18:12



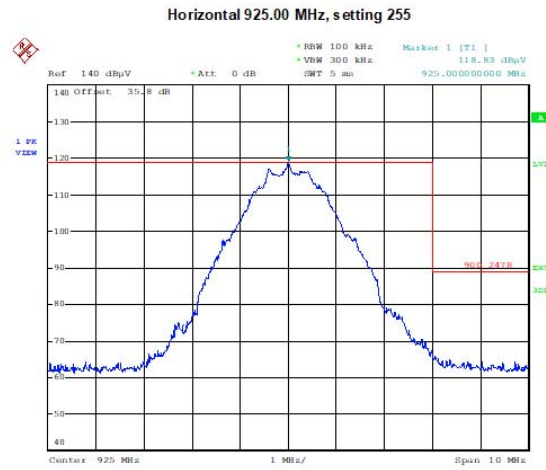
Date: 27.APR.2020 14:42:49

DATA RATE 10

RADIATED BE @ 905.0 MHZ POWER SETTING 225 & 925.0 MHZ POWER SETTING 255-HORIZONTAL -PUCK- RATE-10

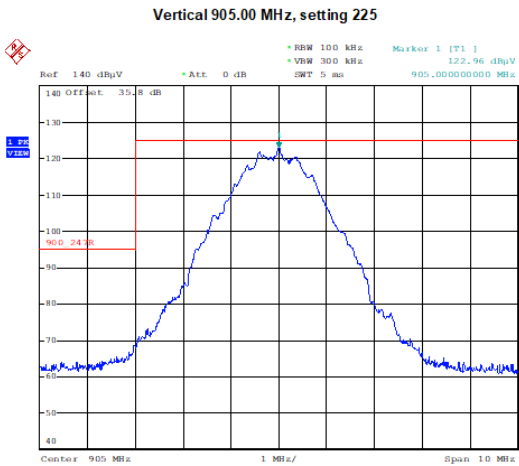


Date: 27.APR.2020 15:19:01

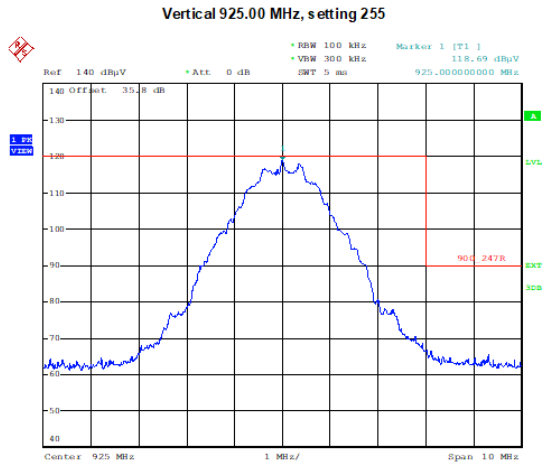


Date: 27.APR.2020 15:16:49

RADIATED BE @ 905.0 MHZ POWER SETTING 225 & 925.0 MHZ POWER SETTING 255-VERTICAL -PUCK- RATE-10



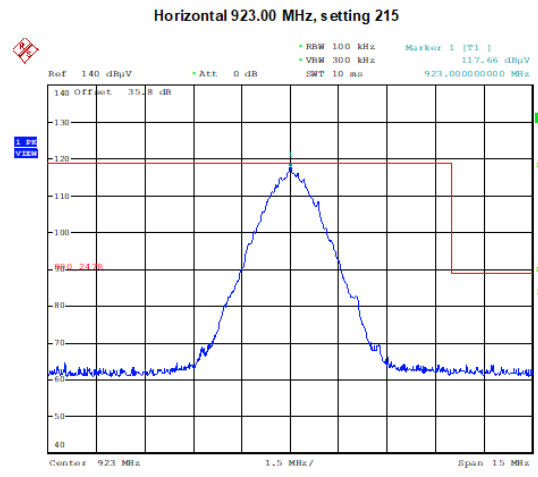
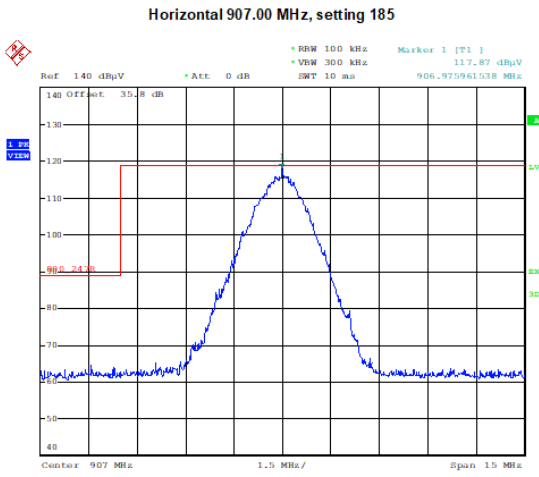
Date: 27.APR.2020 14:23:56



Date: 27.APR.2020 14:39:57

DATA RATE 11

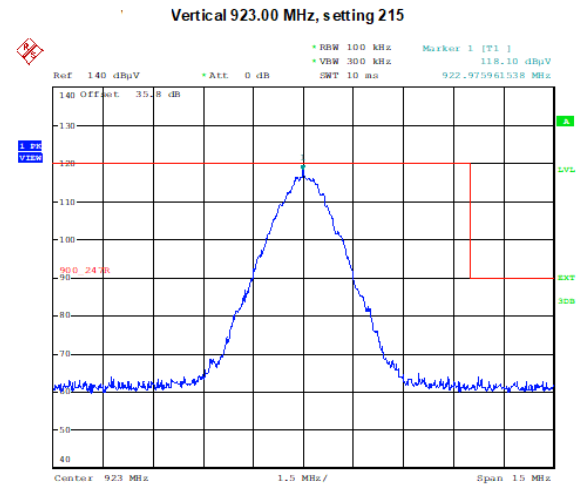
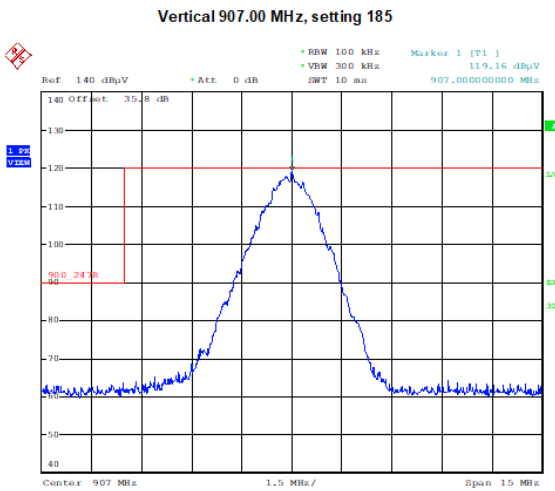
RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-HORIZONTAL –PUCK- RATE-11



Date: 27.APR.2020 15:22:55

Date: 27.APR.2020 15:30:11

RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-VERTICAL –PUCK- RATE-11



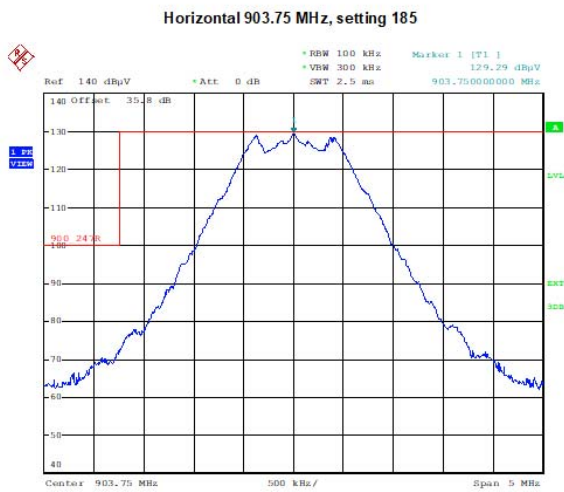
Date: 27.APR.2020 14:31:22

Date: 27.APR.2020 14:34:27

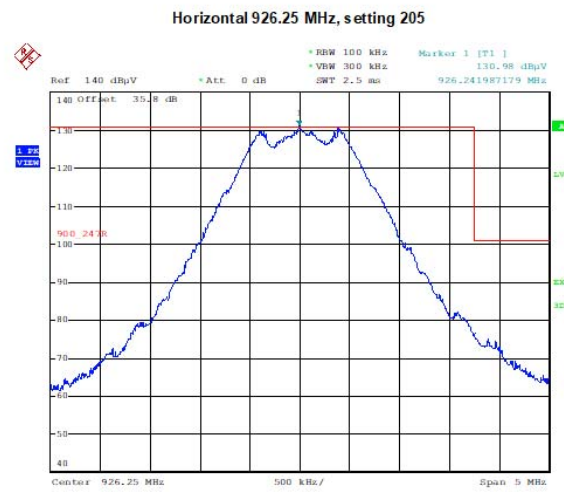
1.2.3. PATCH ANTENNA (8DBI) - RADIATED BAND EDGE

DATA RATE 8

RADIATED BE @ 903.75 MHZ POWER SETTING 185 & 926.25 MHZ POWER SETTING 205-HORIZONTAL -PATCH- RATE-8

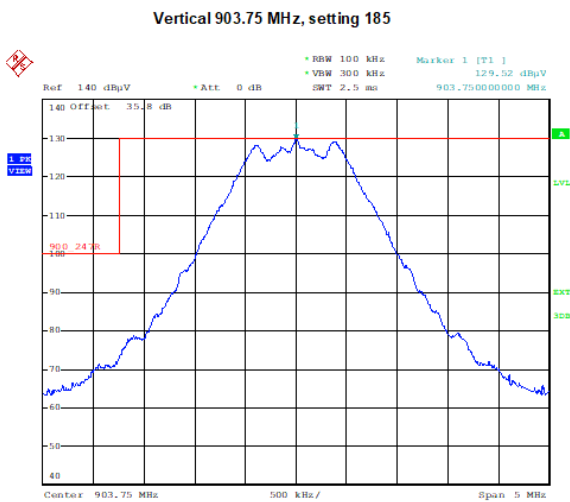


Date: 27.APR.2020 13:42:03

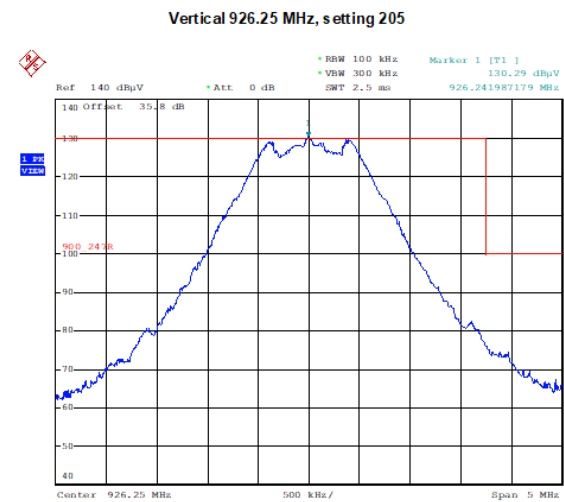


Date: 27.APR.2020 13:12:44

RADIATED BE @ 903.75 MHZ POWER SETTING 185 & 926.25 MHZ POWER SETTING 205-VERTICAL -PATCH- RATE-8



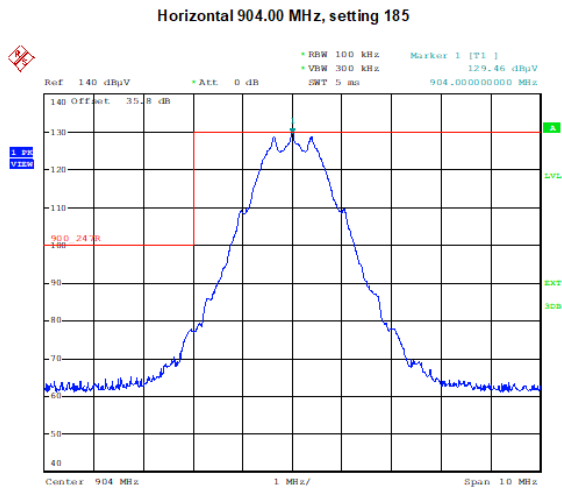
Date: 27.APR.2020 10:38:00



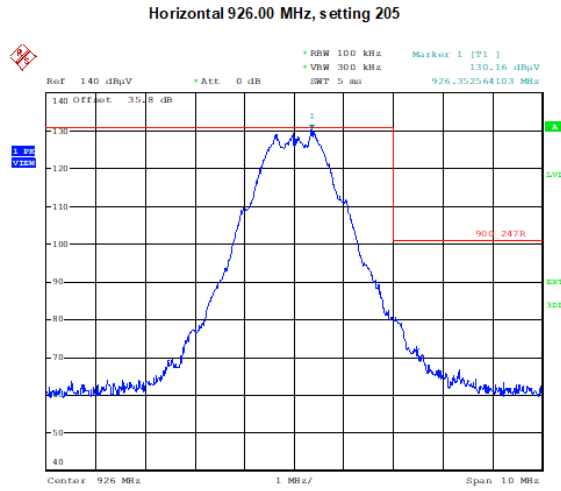
Date: 27.APR.2020 11:23:49

DATA RATE 9

RADIATED BE @ 904.0 MHZ POWER SETTING 185 & 926.0 MHZ POWER SETTING 205-HORIZONTAL -PATCH- RATE-9

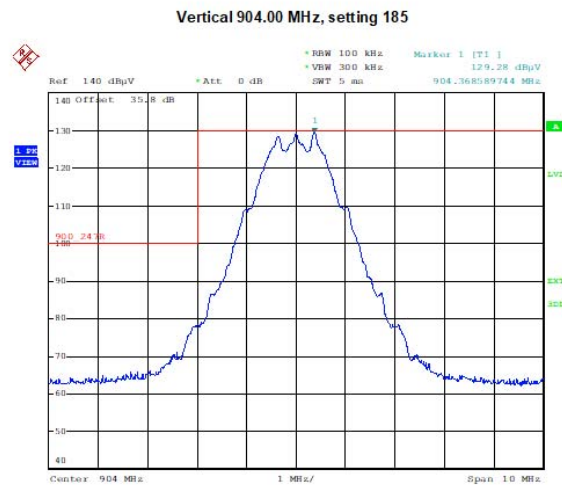


Date: 27.APR.2020 10:28:16

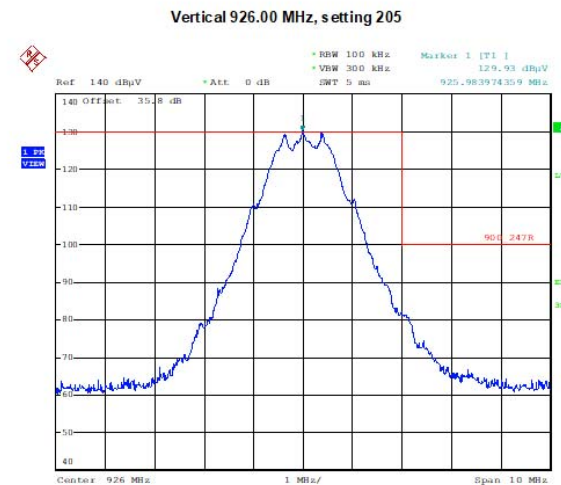


Date: 27.APR.2020 10:17:24

RADIATED BE @ 904.0 MHZ POWER SETTING 185 & 926.0 MHZ POWER SETTING 205-VERTICAL -PATCH- RATE-9



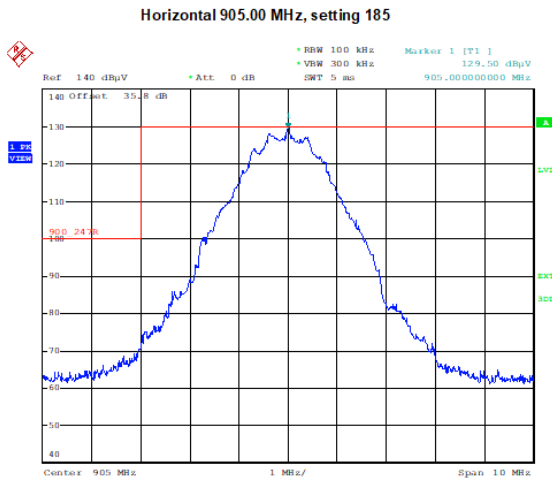
Date: 27.APR.2020 10:50:40



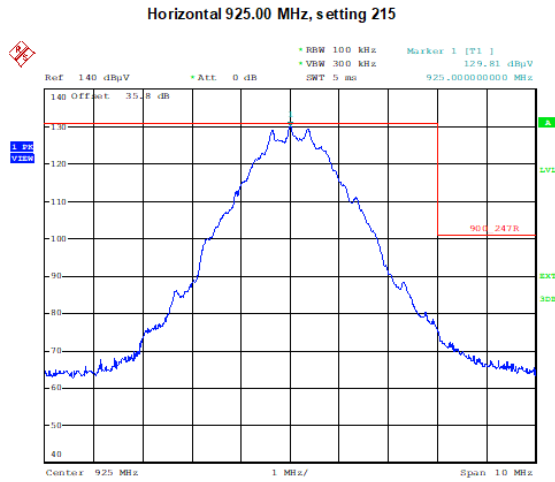
Date: 27.APR.2020 11:19:40

DATA RATE 10

RADIATED BE @ 905.0 MHZ POWER SETTING 185 & 925.0 MHZ POWER SETTING 215-HORIZONTAL -PATCH- RATE-10

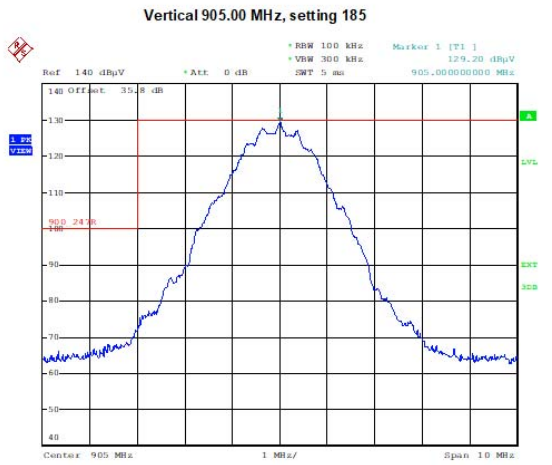


Date: 27.APR.2020 10:04:00

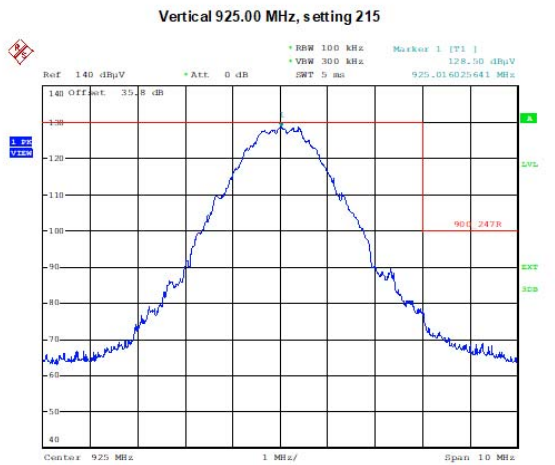


Date: 27.APR.2020 10:20:28

RADIATED BE @ 905.0 MHZ POWER SETTING 185 & 925.0 MHZ POWER SETTING 215-VERTICAL -PATCH- RATE-10



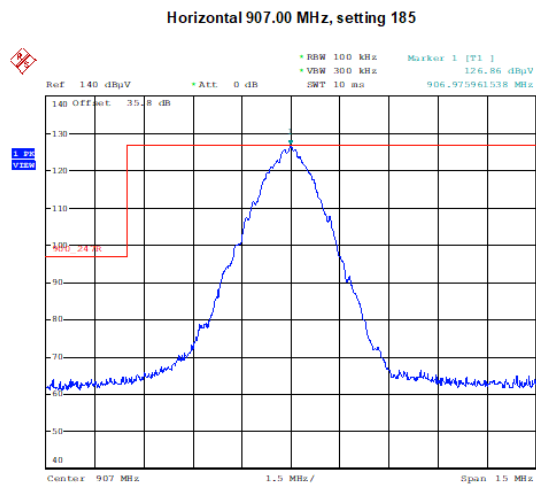
Date: 27.APR.2020 10:55:41



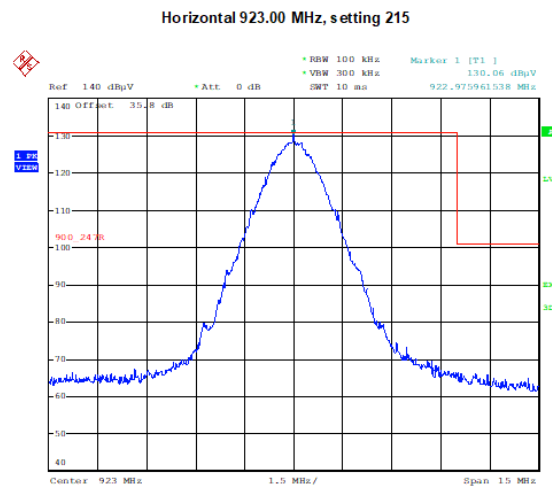
Date: 27.APR.2020 11:16:06

DATA RATE 11

RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-HORIZONTAL -PATCH- RATE-11

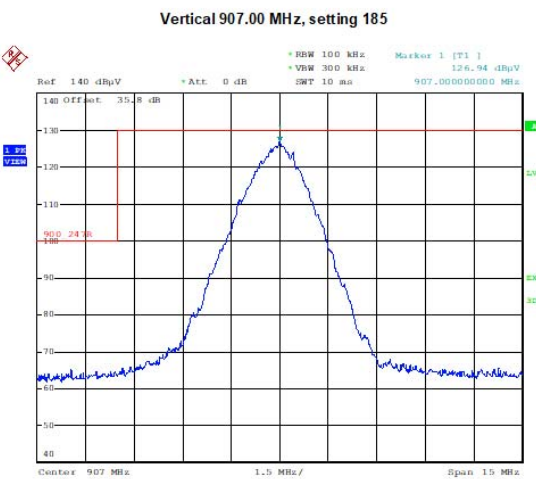


Date: 27.APR.2020 13:30:14

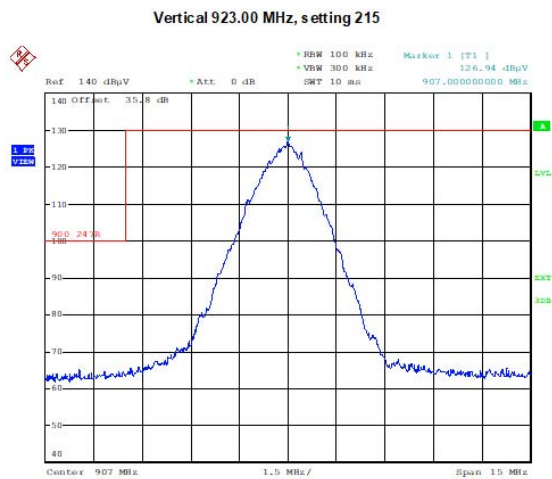


Date: 27.APR.2020 13:26:57

RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-VERTICAL -PATCH- RATE-11



Date: 27.APR.2020 11:02:49



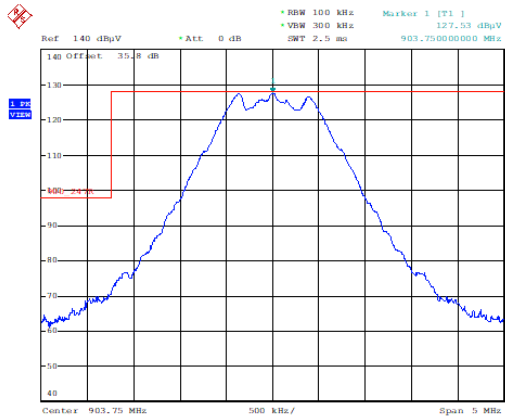
Date: 27.APR.2020 11:02:49

1.2.4. OMNI ANTENNA (8.15DBI) - RADIATED BAND EDGE

DATA RATE 8

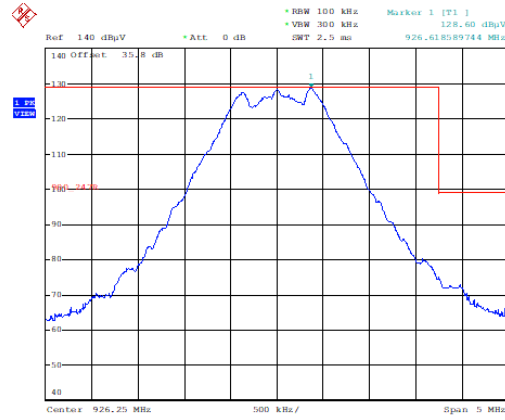
RADIATED BE @ 903.75 MHZ POWER SETTING 185 & 926.25 MHZ POWER SETTING 205-HORIZONTAL -OMNI- RATE-8

Horizontal 903.75 MHz, setting 185



Date: 24.APR.2020 15:50:52

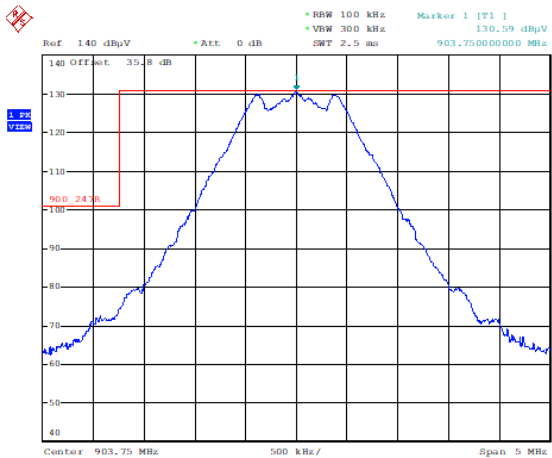
Horizontal 926.25 MHz, setting 205



Date: 24.APR.2020 15:05:23

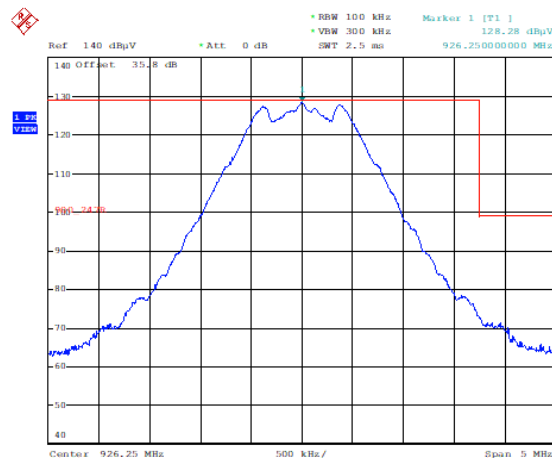
RADIATED BE @ 903.75 MHZ POWER SETTING 185 & 926.25 MHZ POWER SETTING 205-VERTICAL -OMNI- RATE-8

Vertical 903.75 MHz, setting 185



Date: 24.APR.2020 13:54:34

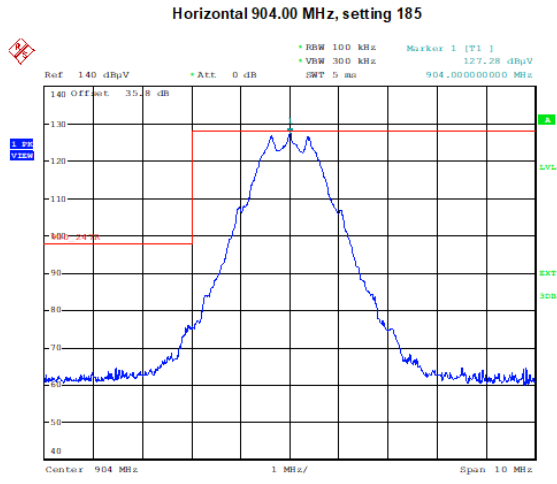
Vertical 926.25 MHz, setting 205



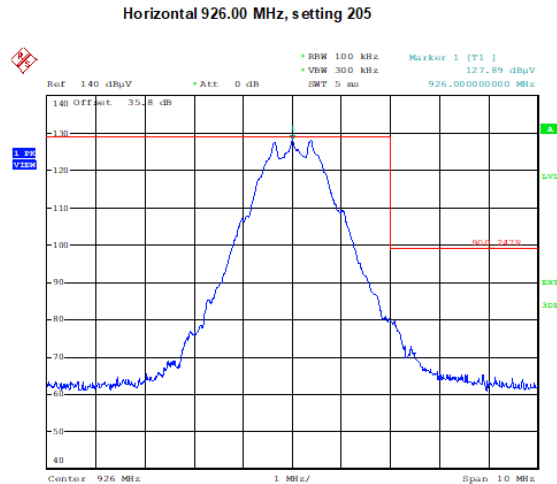
Date: 24.APR.2020 14:36:10

DATA RATE 9

RADIATED BE @ 904.0 MHZ POWER SETTING 185 & 926.0 MHZ POWER SETTING 205-HORIZONTAL –OMNI- RATE-9

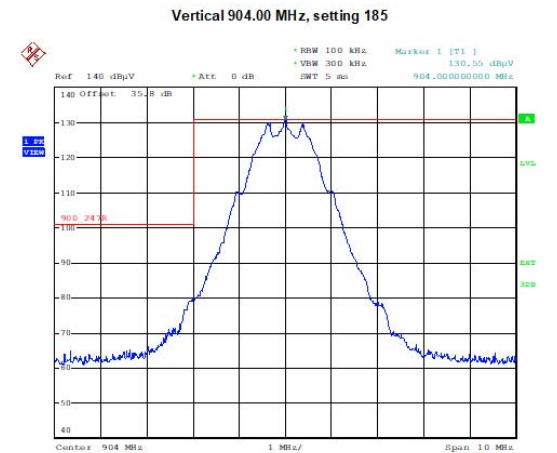


Date: 24.APR.2020 15:44:25

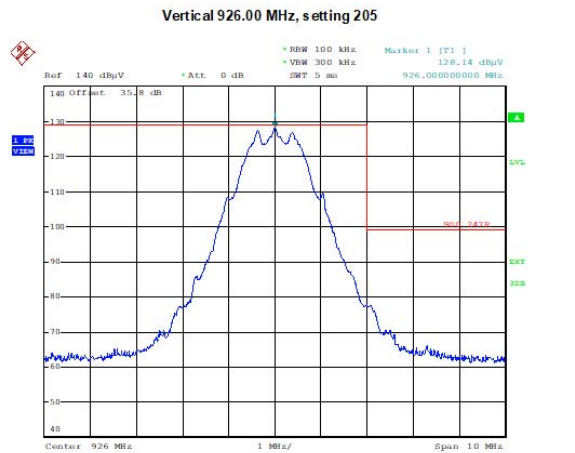


Date: 24.APR.2020 15:14:59

RADIATED BE @ 904.0 MHZ POWER SETTING 185 & 926.0 MHZ POWER SETTING 205-VERTICAL –OMNI- RATE-9



Date: 24.APR.2020 14:02:45

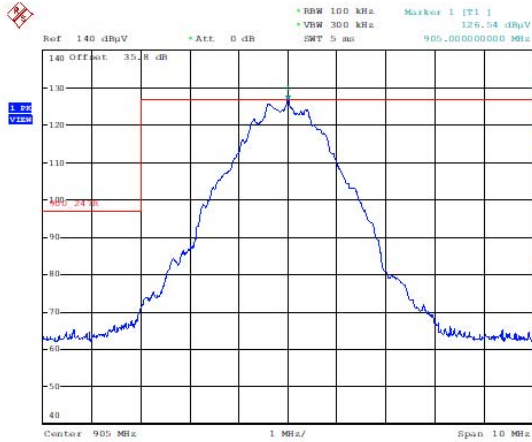


Date: 24.APR.2020 14:02:05

DATA RATE 10

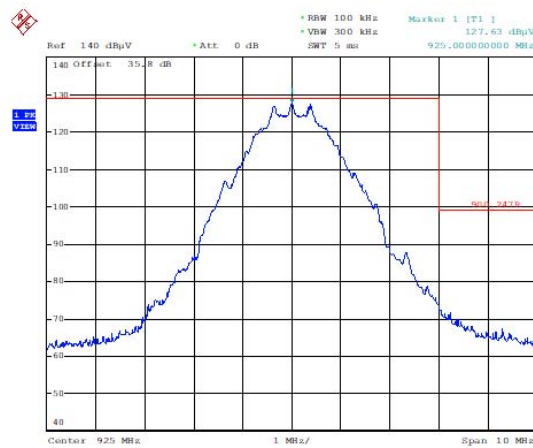
RADIATED BE @ 905.0 MHZ POWER SETTING 185 & 925.0 MHZ POWER SETTING 215-HORIZONTAL –OMNI- RATE-10

Horizontal 905.00 MHz, setting 185



Date: 24.APR.2020 15:40:16

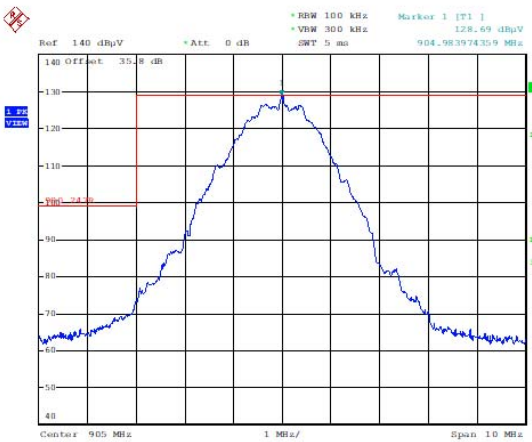
Horizontal 925.00 MHz, setting 215



Date: 24.APR.2020 15:20:59

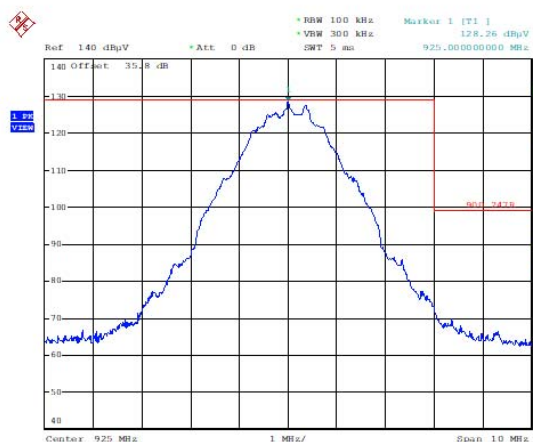
RADIATED BE @ 905.0 MHZ POWER SETTING 185 & 925.0 MHZ POWER SETTING 215-VERTICAL –OMNI- RATE-10

Vertical 905.00 MHz, setting 185



Date: 24.APR.2020 14:08:26

Vertical 925.00 MHz, setting 215

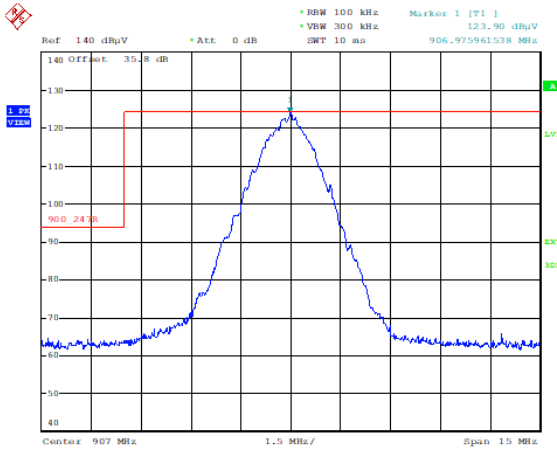


Date: 24.APR.2020 14:27:59

DATA RATE 11

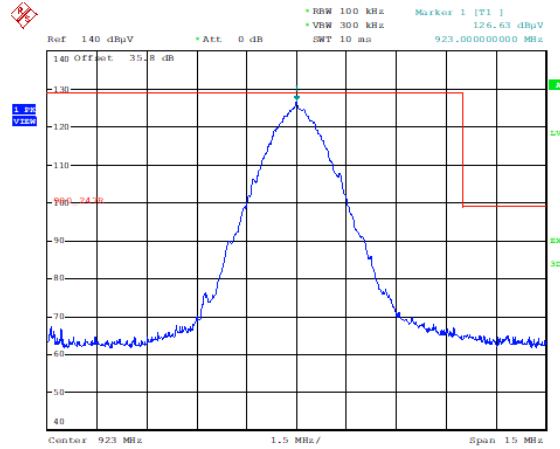
RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-HORIZONTAL –OMNI- RATE-11

Horizontal 907.00 MHz, setting 185



Date: 24.APR.2020 15:26:04

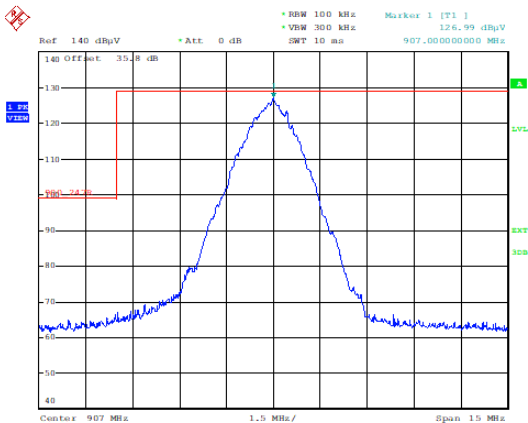
Horizontal 923.00 MHz, setting 215



Date: 24.APR.2020 15:20:04

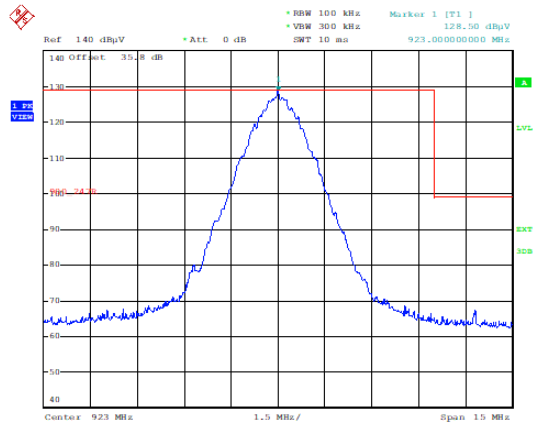
RADIATED BE @ 907.0 MHZ POWER SETTING 185 & 923.0 MHZ POWER SETTING 215-VERTICAL –OMNI- RATE-11

Vertical 907.00 MHz, setting 185



Date: 24.APR.2020 14:13:41

Vertical 923.00 MHz, setting 215

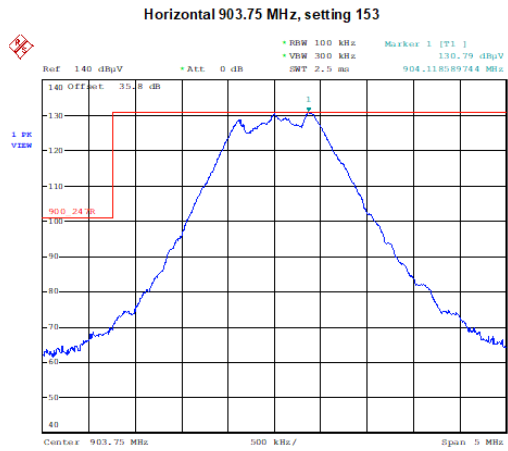


Date: 24.APR.2020 14:22:17

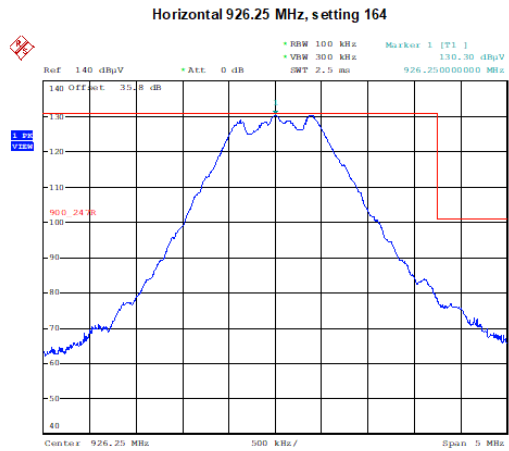
1.2.5. YAGI ANTENNA (13.15DBI) RADIATED BAND EDGE

DATA RATE 8

RADIATED BE @ 903.75 MHZ POWER SETTING 153 & 926.25 MHZ POWER SETTING 164-HORIZONTAL -YAGI- RATE-8

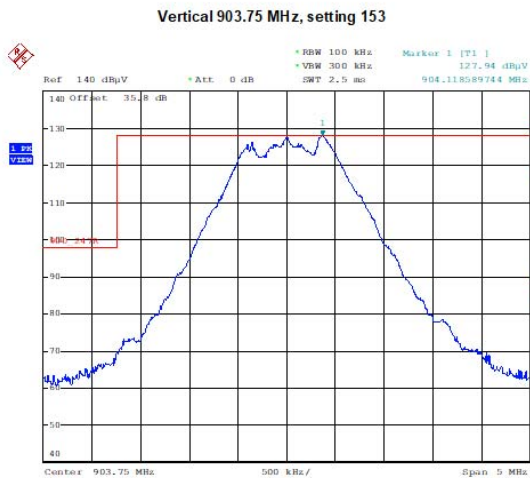


Date: 24.APR.2020 10:15:25

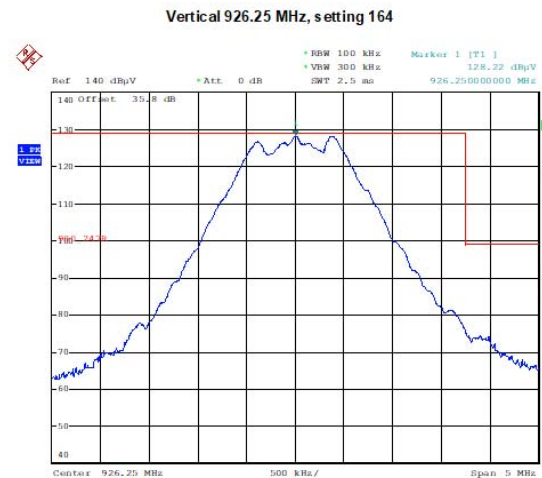


Date: 24.APR.2020 10:25:54

RADIATED BE @ 903.75 MHZ POWER SETTING 153 & 926.25 MHZ POWER SETTING 164-VERTICAL -YAGI- RATE-8



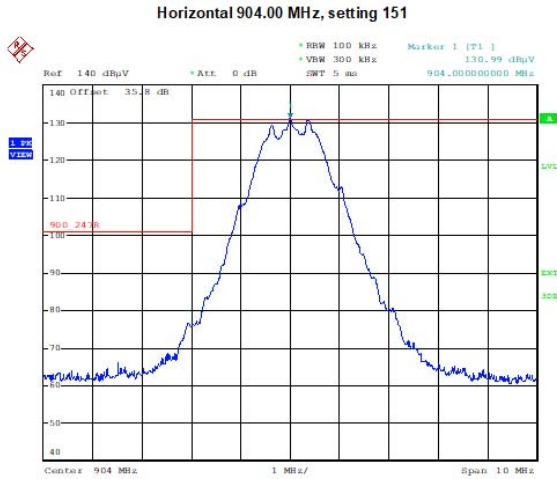
Date: 29.APR.2020 11:05:02



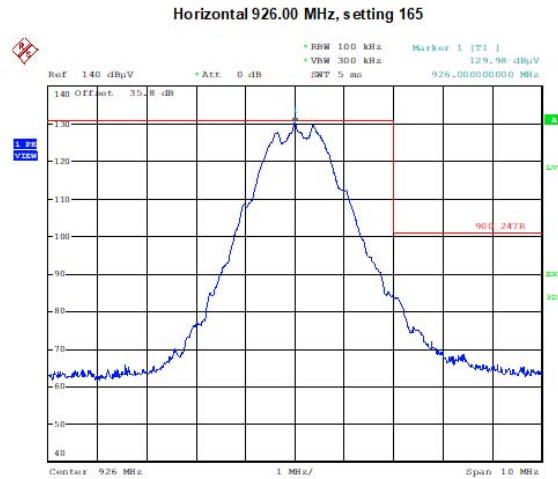
Date: 29.APR.2020 10:17:02

DATA RATE 9

RADIATED BE @ 904.0 MHZ POWER SETTING 151 & 926.0 MHZ POWER SETTING 165-HORIZONTAL -YAGI- RATE-9

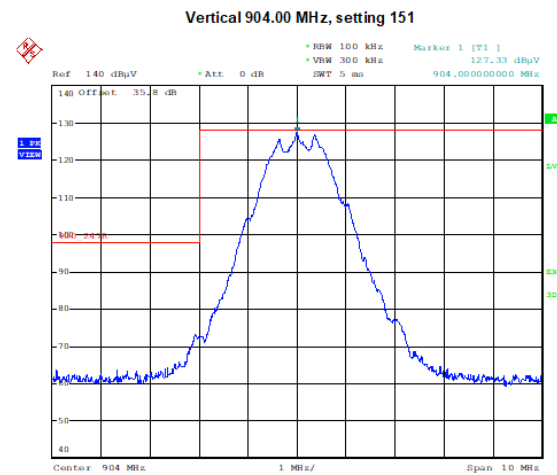


Date: 24.APR.2020 10:38:46

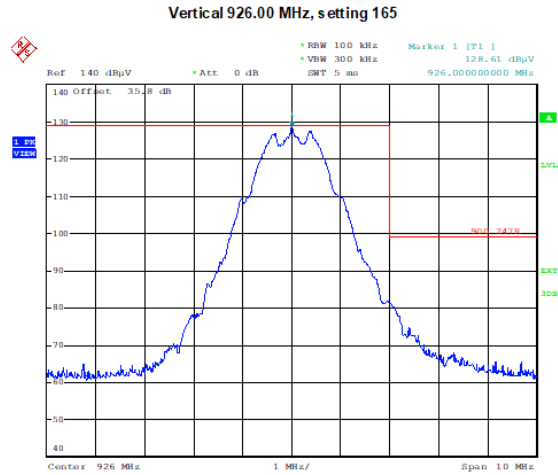


Date: 24.APR.2020 10:42:01

RADIATED BE @ 904.0 MHZ POWER SETTING 151 & 926.0 MHZ POWER SETTING 165-VERTICAL -YAGI- RATE-9



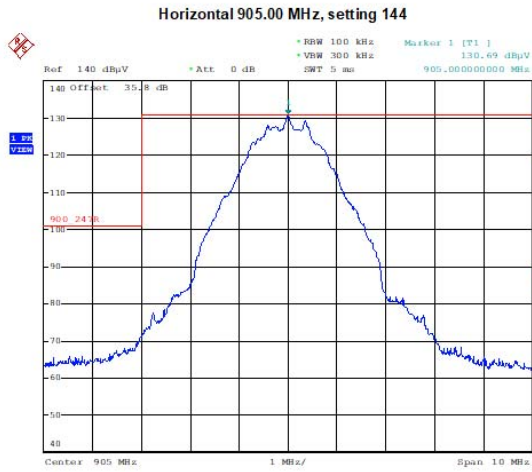
Date: 23.APR.2020 11:12:26



Date: 23.APR.2020 12:12:09

DATA RATE 10

RADIATED BE @ 905.0 MHZ POWER SETTING 144 & 925.0 MHZ POWER SETTING 168-HORIZONTAL -YAGI- RATE-10

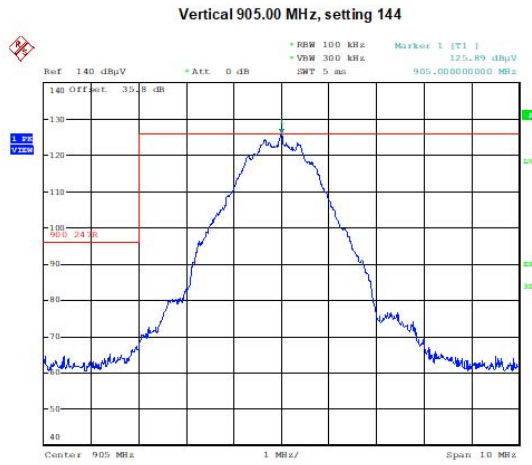


Date: 24.APR.2020 10:51:21

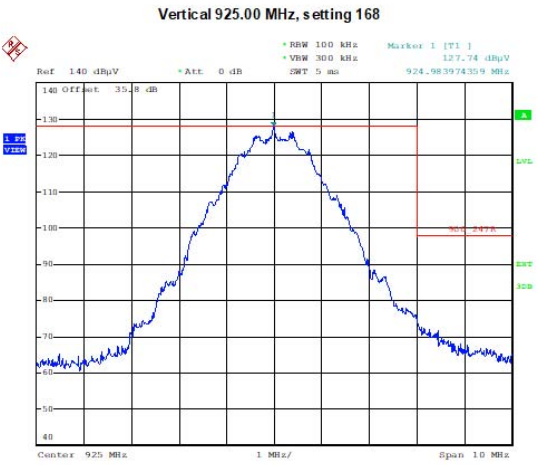


Date: 24.APR.2020 10:56:50

RADIATED BE @ 905.0 MHZ POWER SETTING 144 & 925.0 MHZ POWER SETTING 168-VERTICAL -YAGI- RATE-10



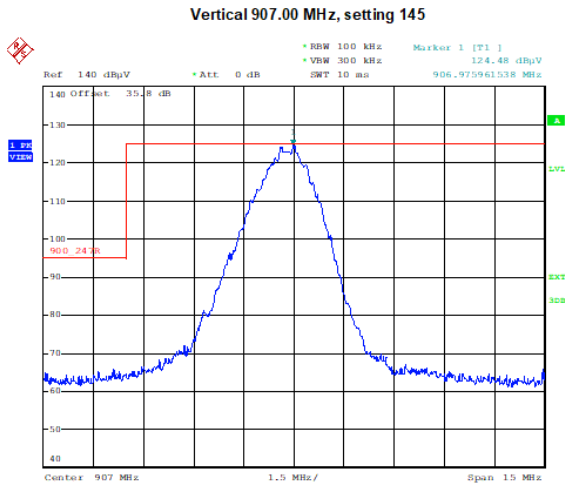
Date: 23.APR.2020 11:16:58



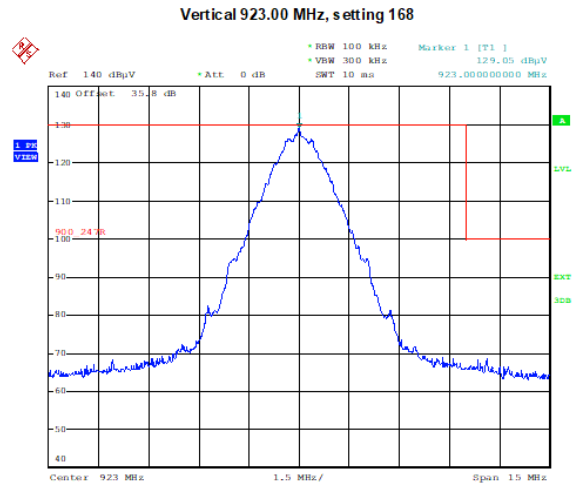
Date: 23.APR.2020 11:36:46

DATA RATE 11

RADIATED BE @ 907.0 MHZ POWER SETTING 145 & 923.0 MHZ POWER SETTING 168-HORIZONTAL -YAGI- RATE-11

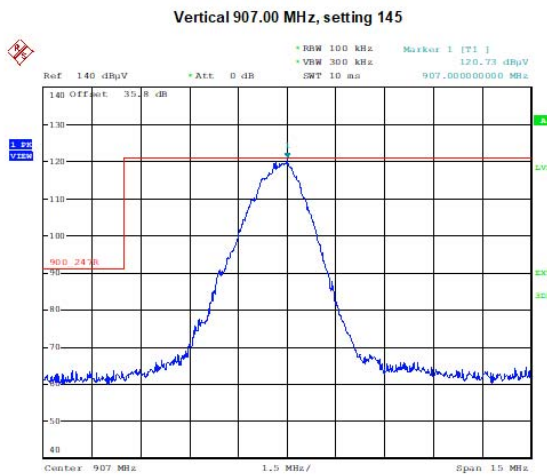


Date: 24.APR.2020 11:22:52

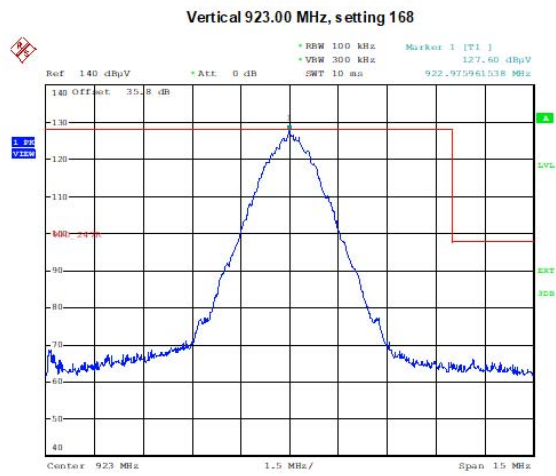


Date: 24.APR.2020 11:20:19

RADIATED BE @ 907.0 MHZ POWER SETTING 145 & 923.0 MHZ POWER SETTING 168-VERTICAL -YAGI- RATE-11



Date: 29.APR.2020 11:22:49

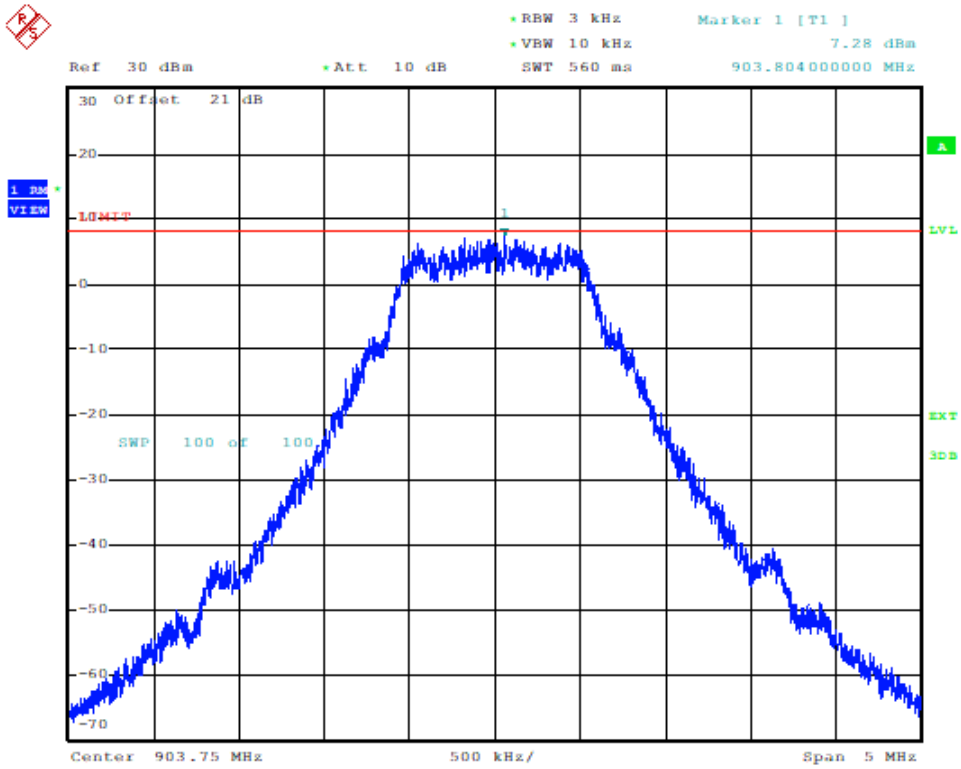


Date: 29.APR.2020 11:21:12

1.3. POWER SPECTRAL DENSITY

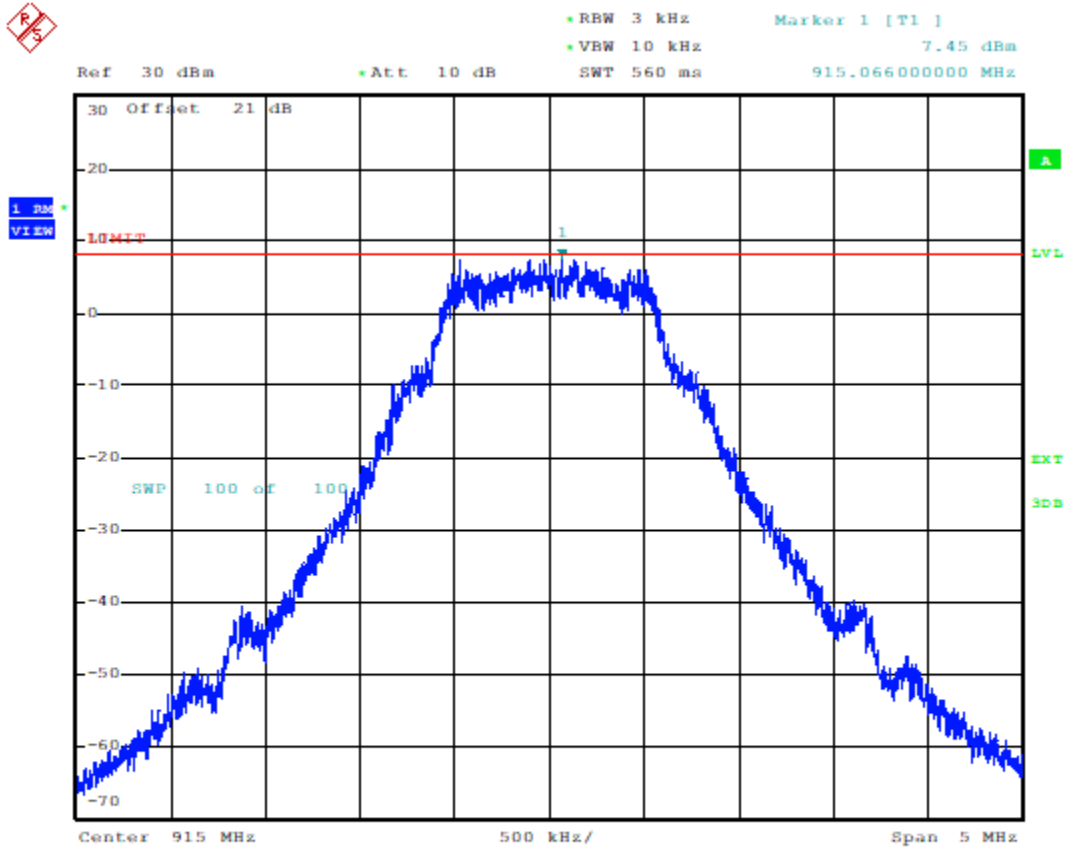
1.3.1. PSD @ DATA RATE 8

PSD @ 903.75 MHZ POWER SETTING 215- DATA RATE 8



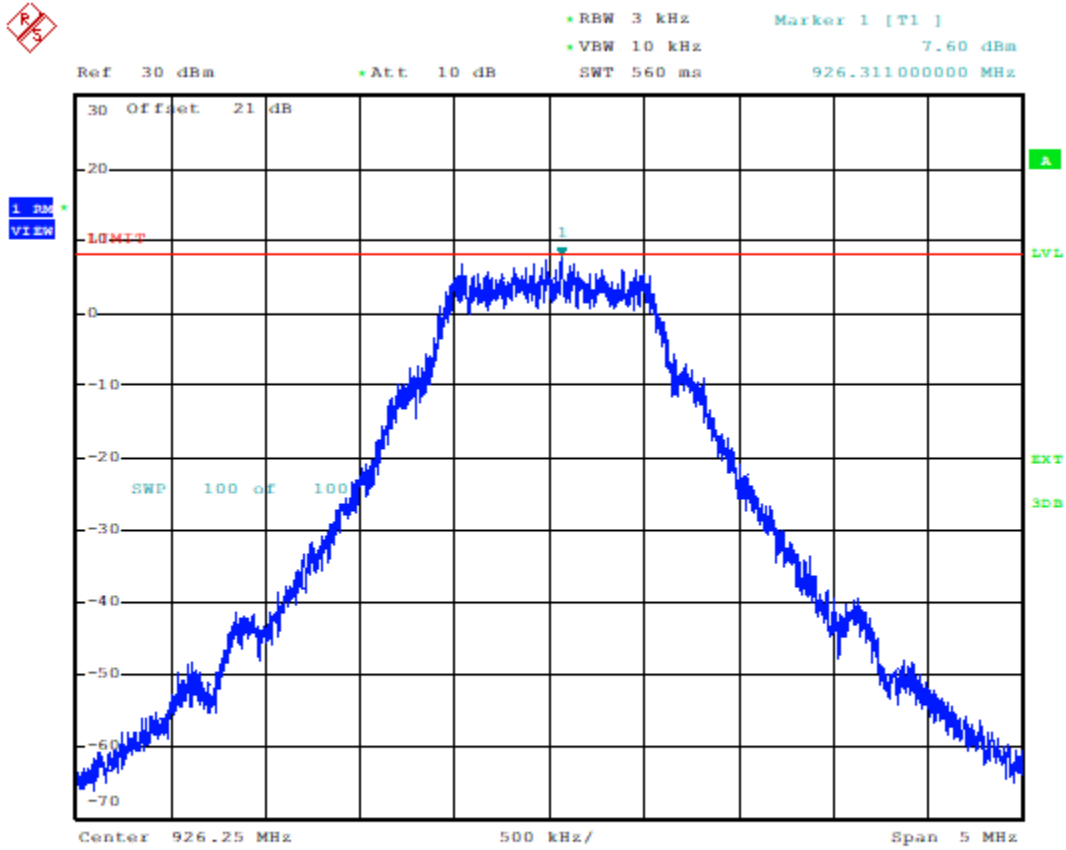
Date: 19.APR.2020 09:33:24

PSD @ 915.0 MHz POWER SETTING 225- DATA RATE 8



Date: 19.APR.2020 09:42:19

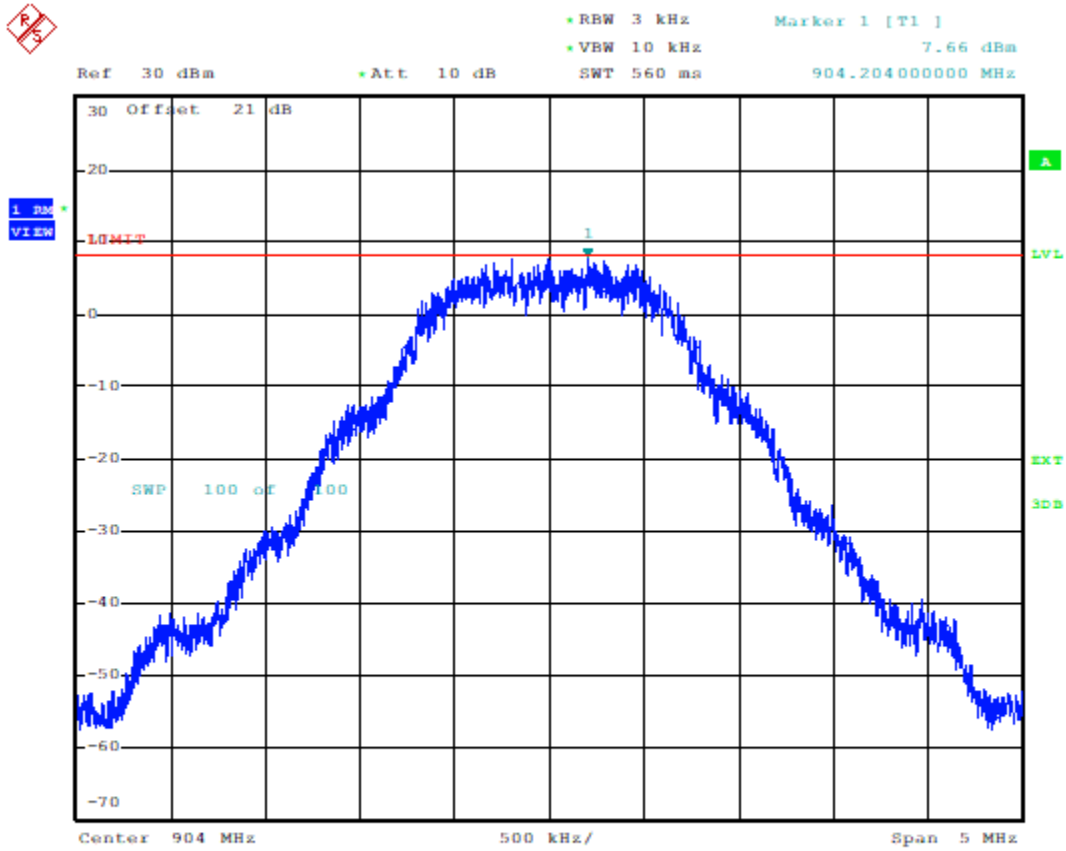
PSD @ 926.25 MHz POWER SETTING 235- DATA RATE 8



Date: 19.APR.2020 09:50:24

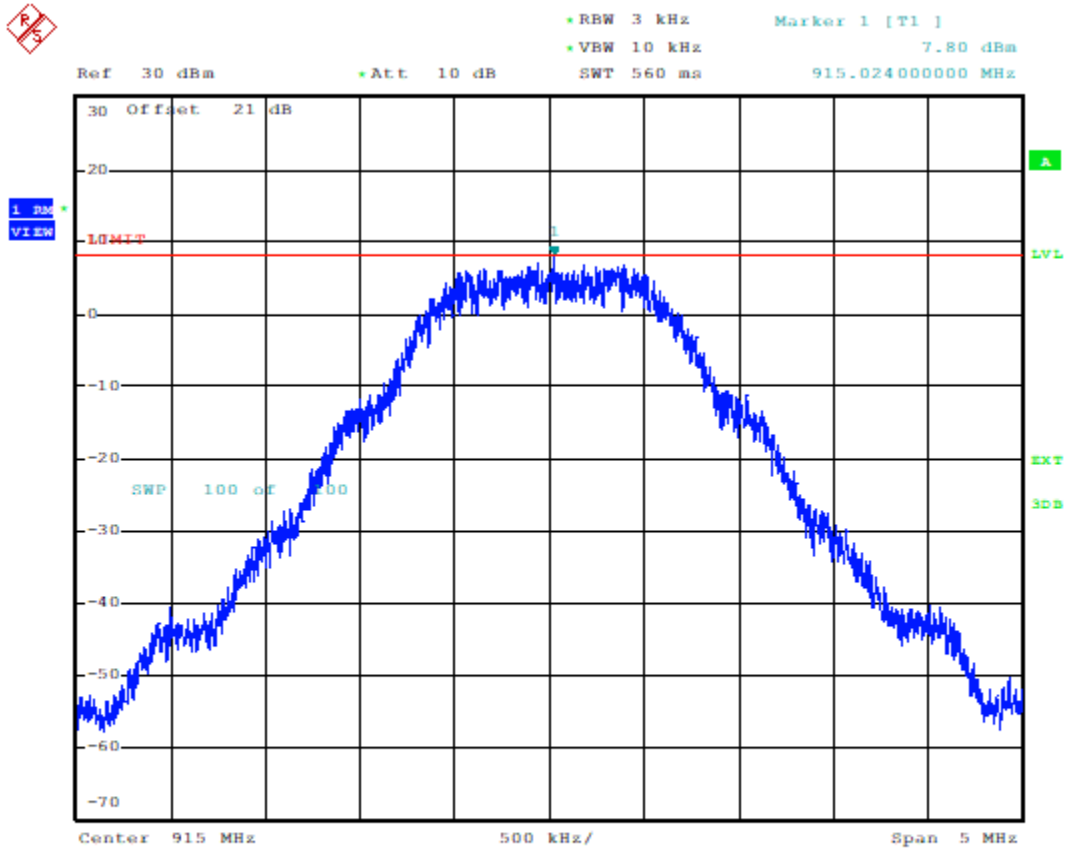
1.3.2. TEST @ DATA RATE 9

PSD @ 904.0 MHZ POWER SETTING 215- DATA RATE 9



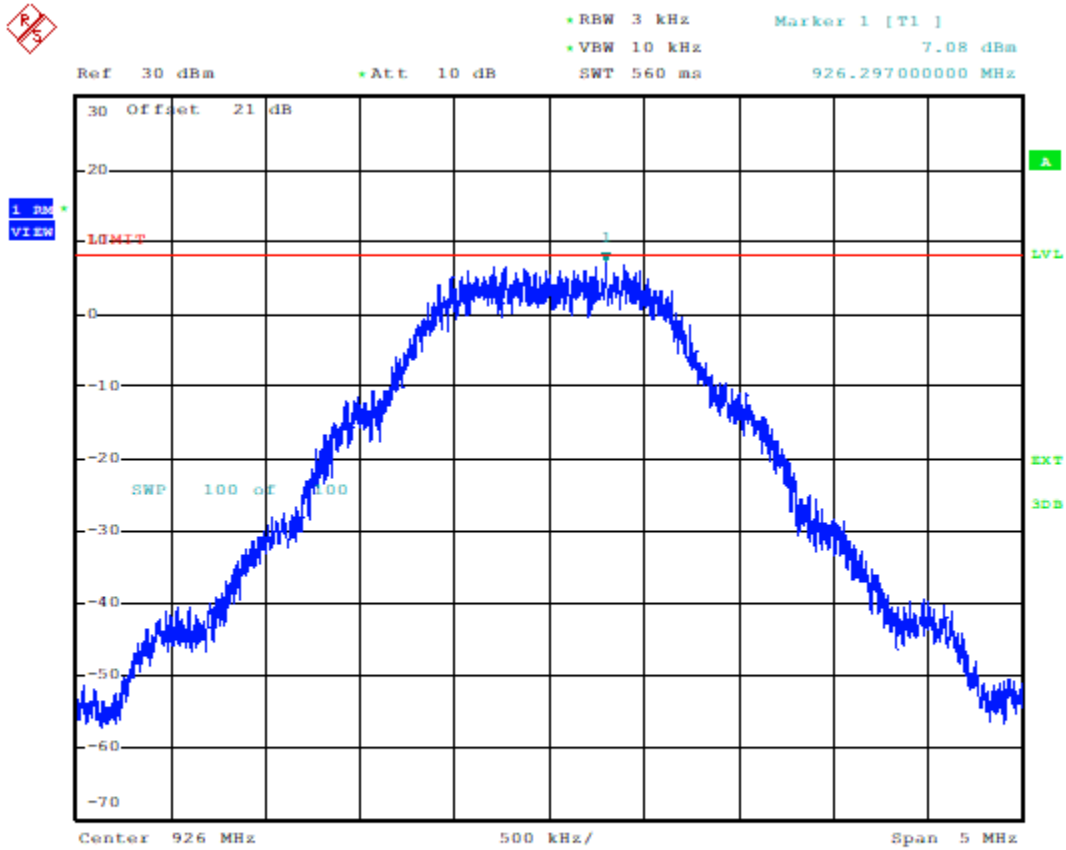
Date: 19.APR.2020 09:35:38

PSD @ 915.0 MHz POWER SETTING 225- DATA RATE 9



Date: 19.APR.2020 09:43:46

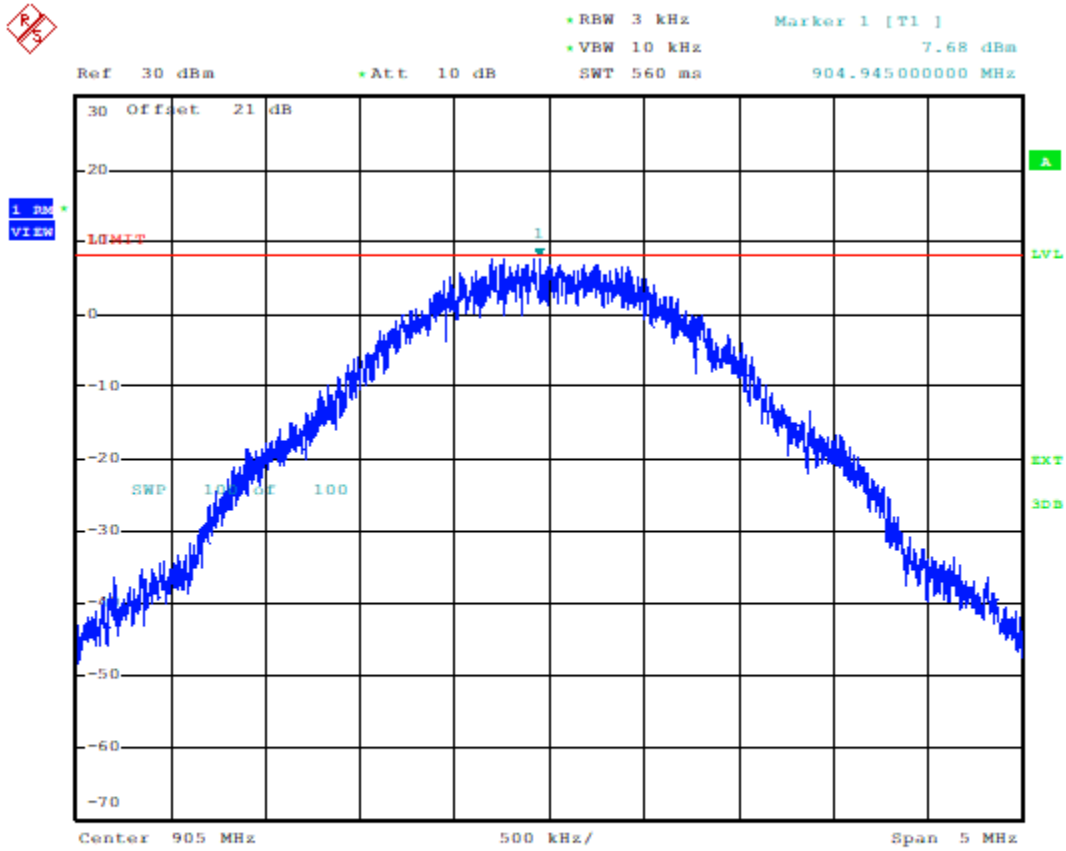
PSD @ 926.0 MHz POWER SETTING 245- DATA RATE 9



Date: 19.APR.2020 10:19:31

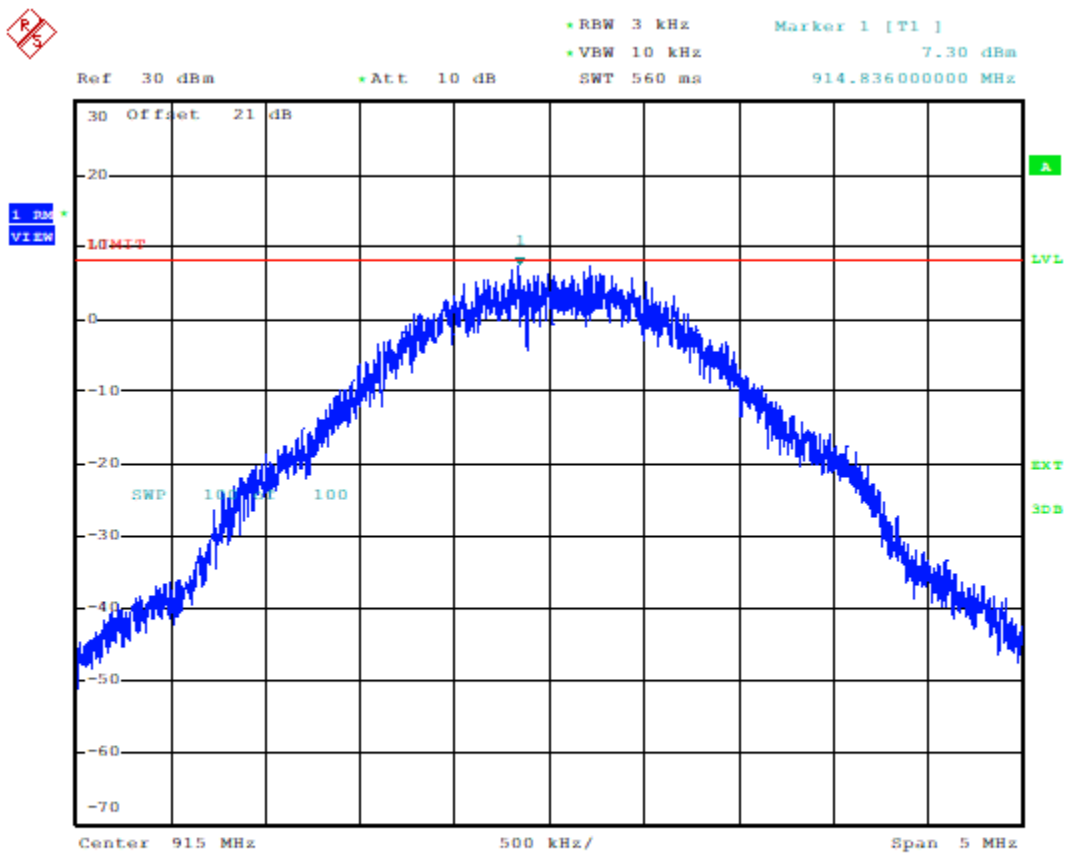
1.3.3. TEST @ DATA RATE 10

PSD @ 905.0 MHZ POWER SETTING 225- DATA RATE 10



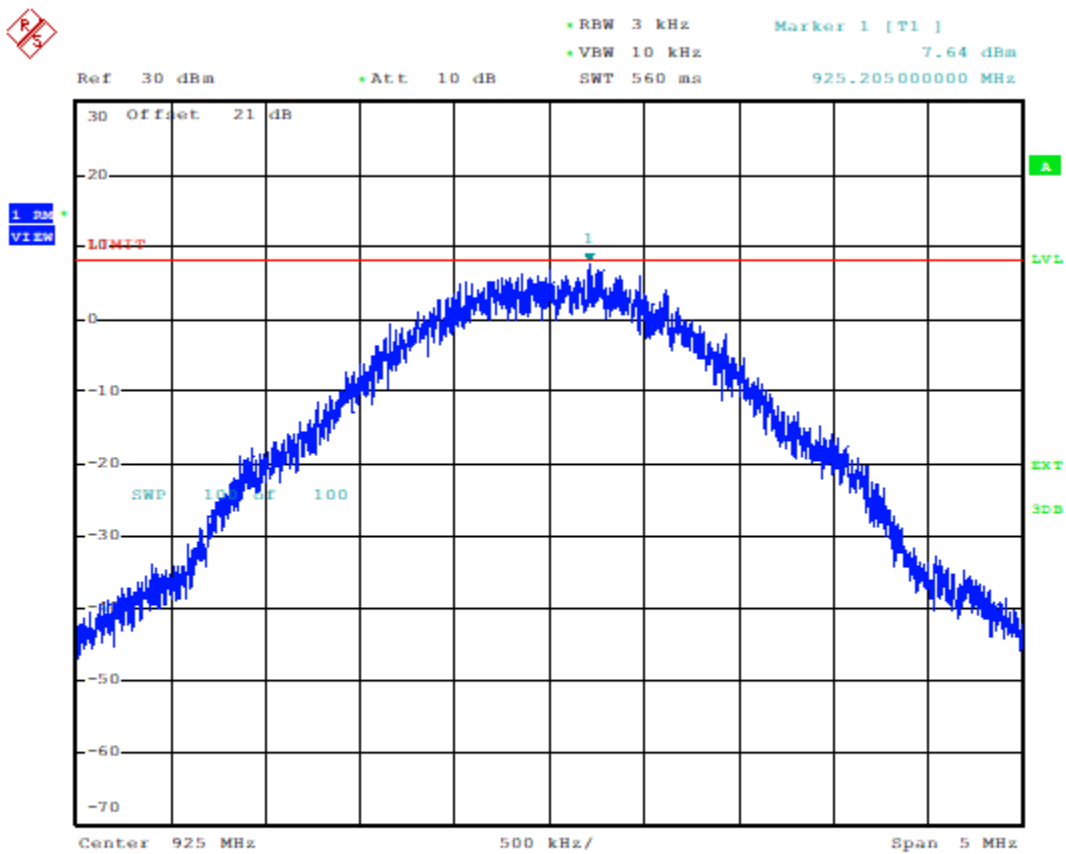
Date: 19.APR.2020 10:26:29

PSD @ 915.0 MHz POWER SETTING 235- DATA RATE 10



Date: 19.APR.2020 10:42:58

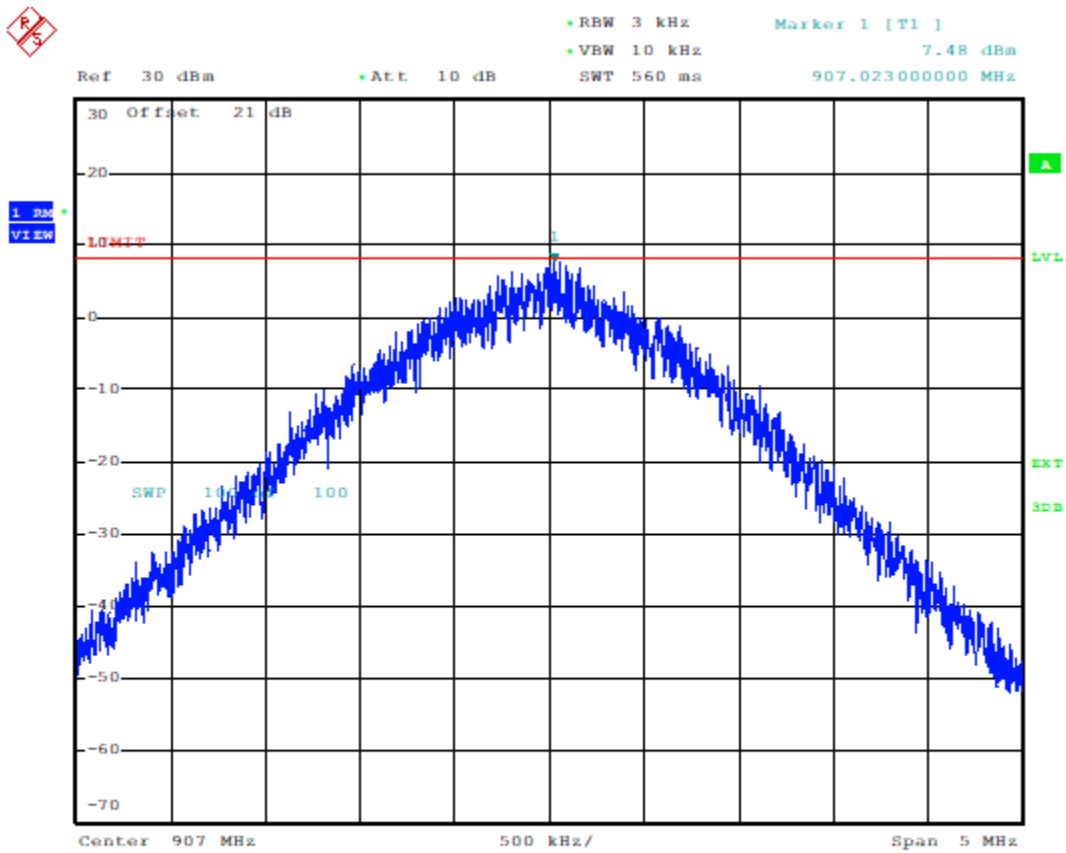
PSD @ 925.0 MHz POWER SETTING 255- DATA RATE 10



Date: 19.APR.2020 10:47:28

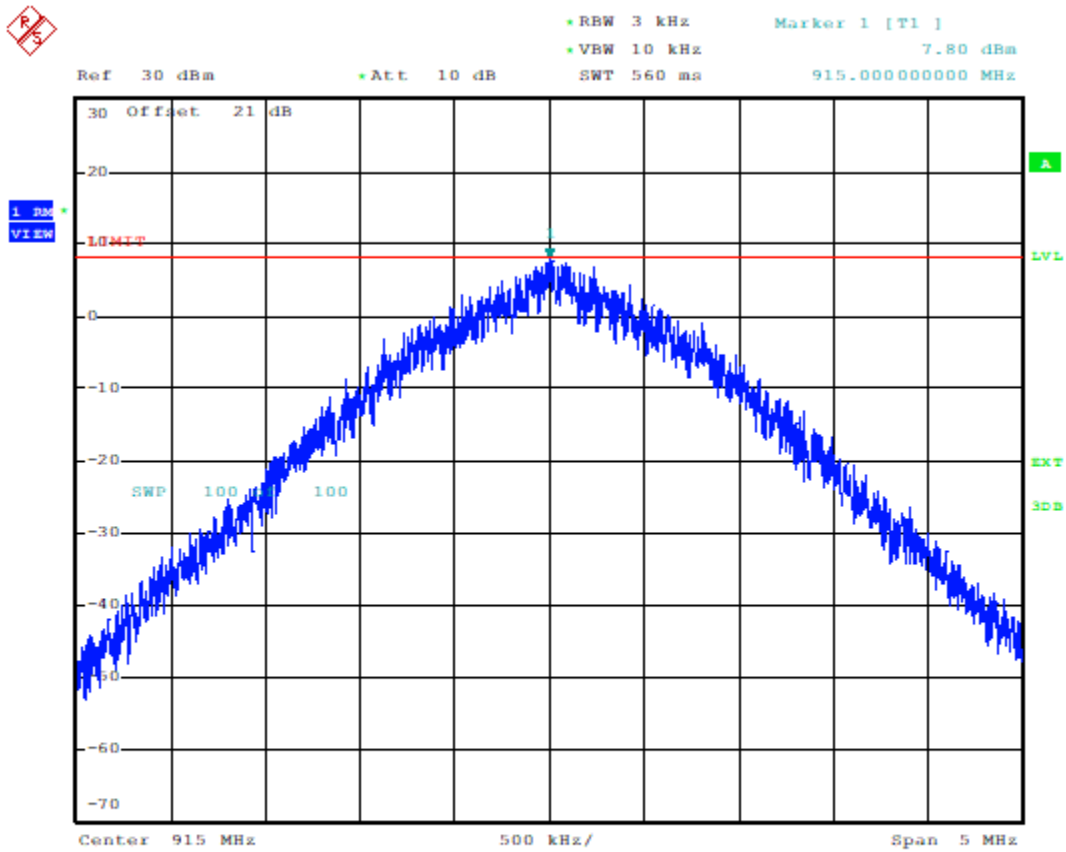
1.3.4. TEST @ DATA RATE 11

PSD @ 907.0 MHZ POWER SETTING 185- DATA RATE 11



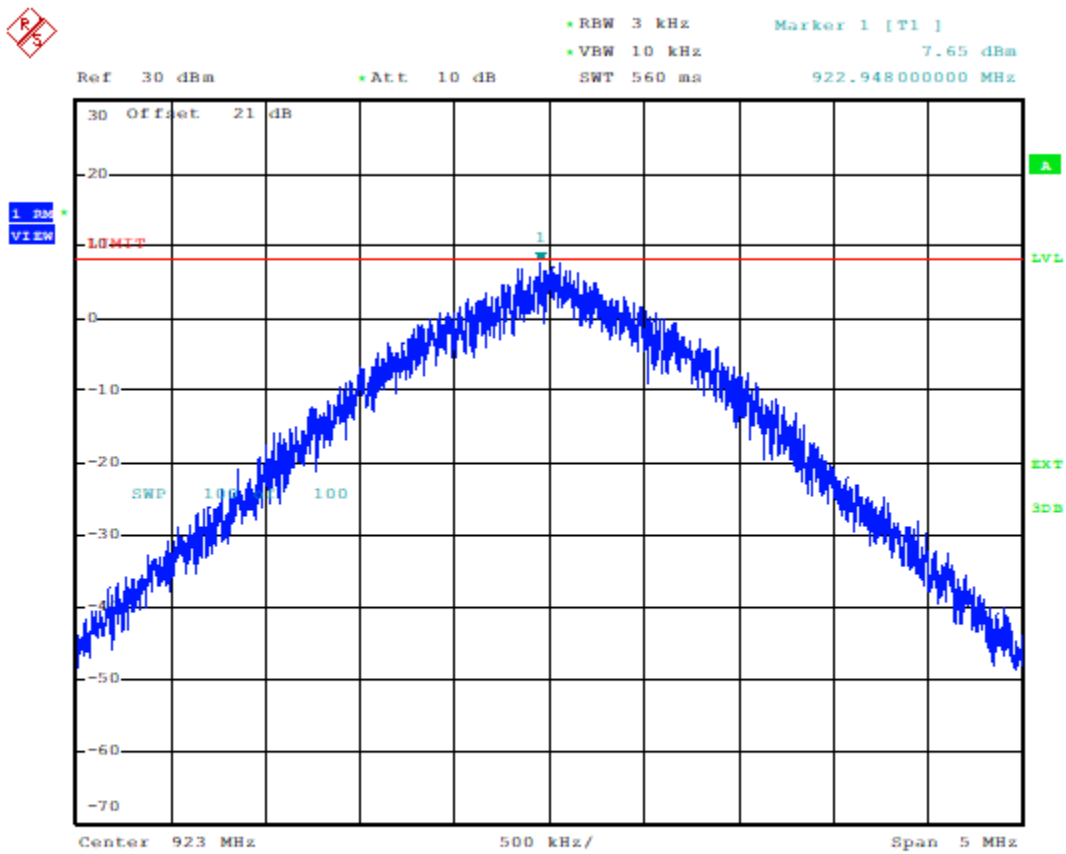
Date: 19.APR.2020 11:04:27

PSD @ 915.0 MHz POWER SETTING 200- DATA RATE 11



Date: 19.APR.2020 11:16:00

PSD @ 923.0 MHz POWER SETTING 215- DATA RATE 11



Date: 19.APR.2020 11:23:25