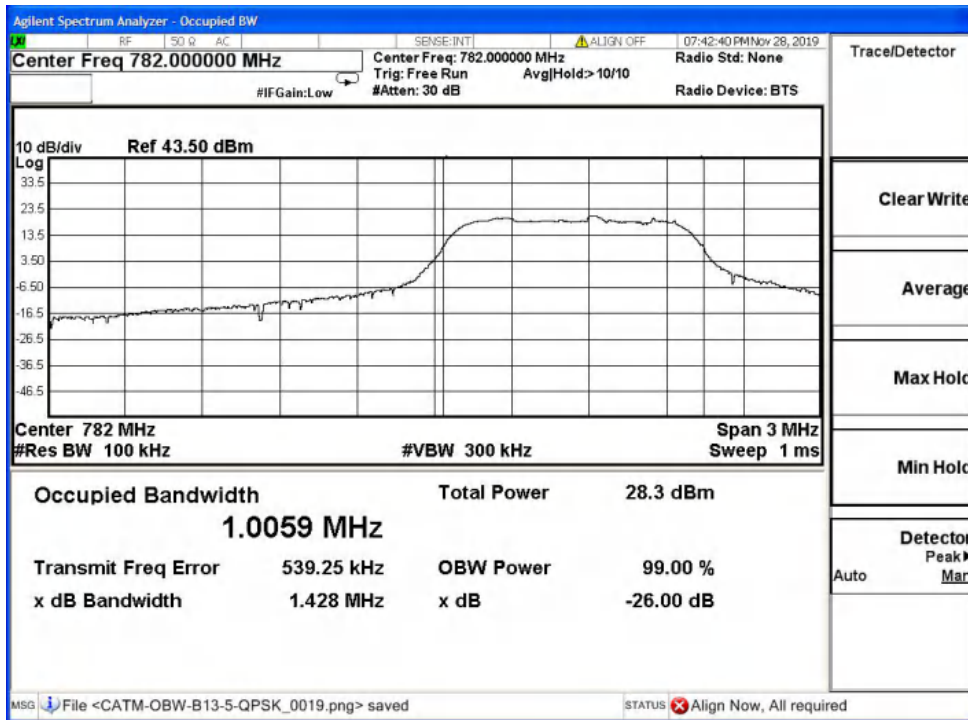
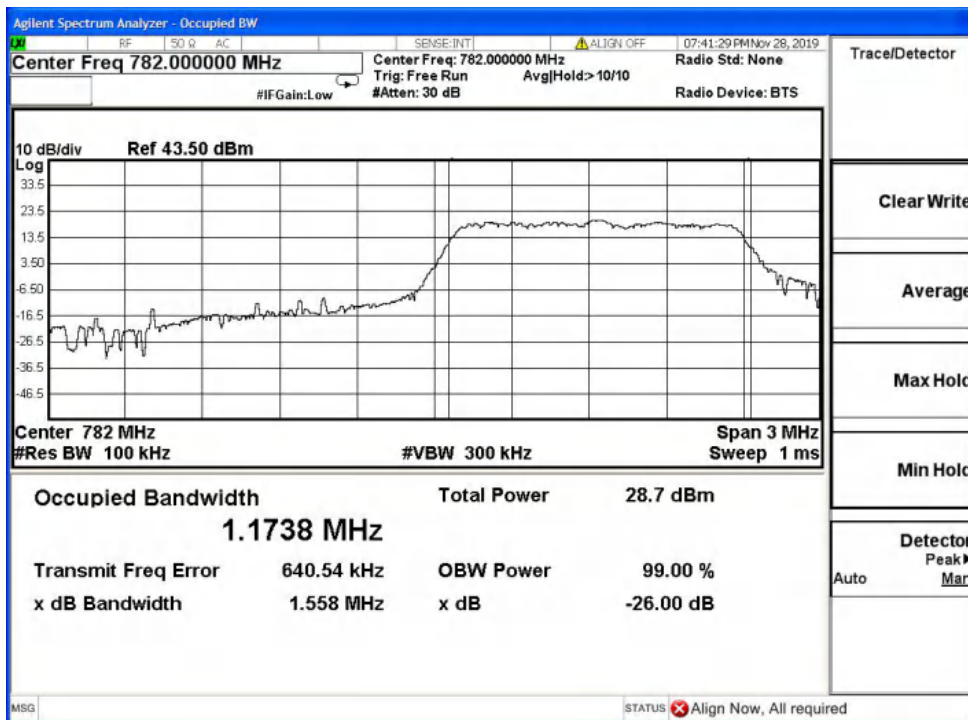


Report No.: B19W50622-WWAN\_Rev2



Band13-26dB OBW-5MHz Bandwidth-16QAM



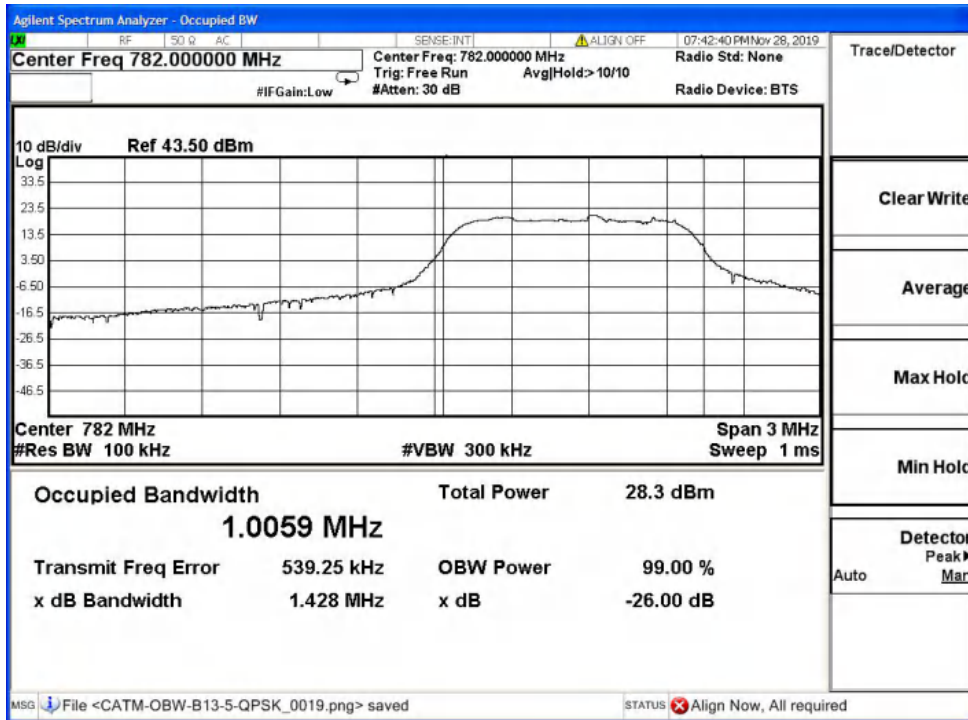
Band13-26dB OBW-5MHz Bandwidth-QPSK

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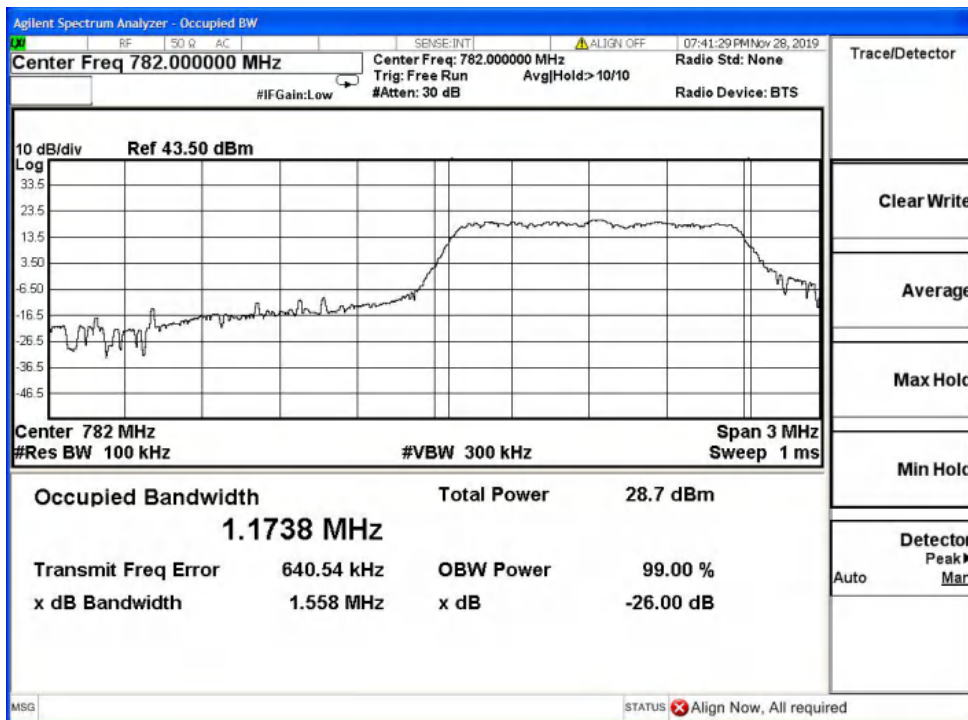
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Band13-99% OBW-5MHz Bandwidth-16QAM

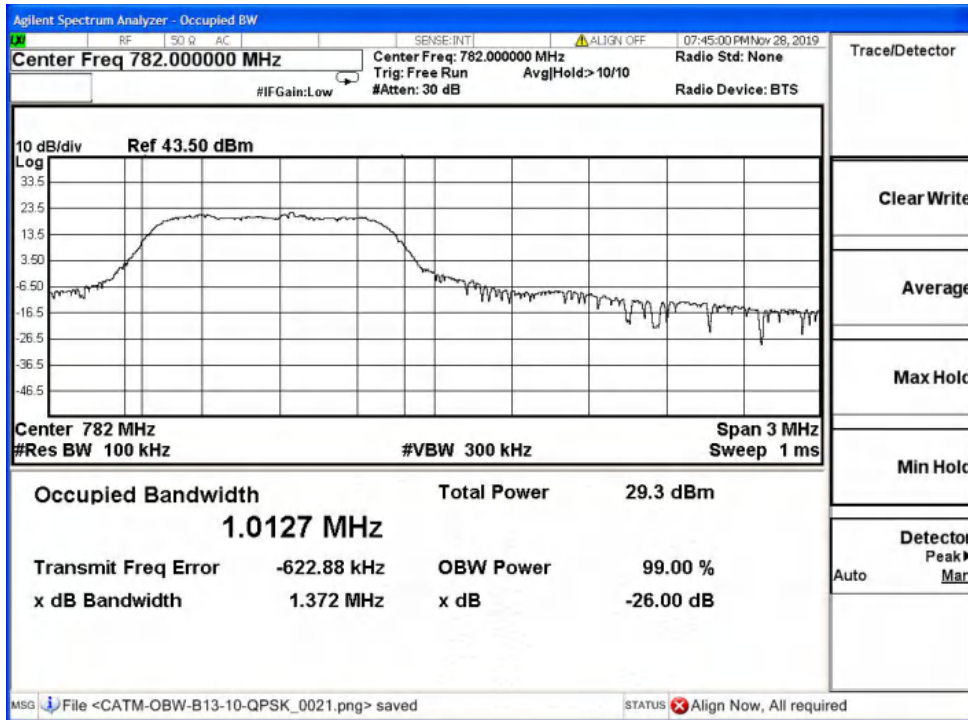


Band13-99% OBW-5MHz Bandwidth-QPSK

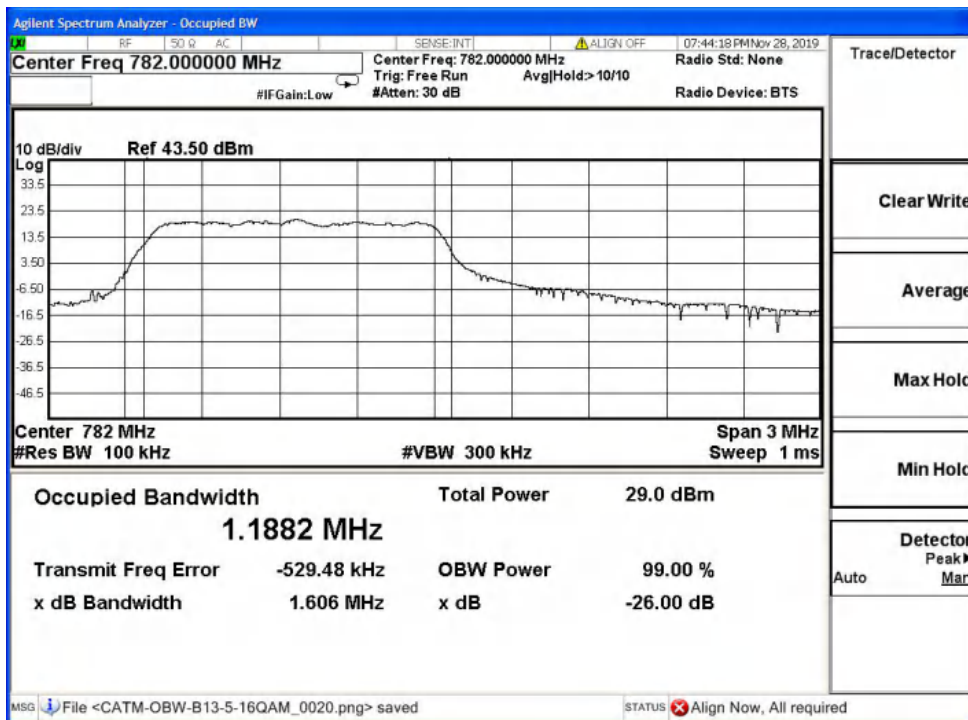
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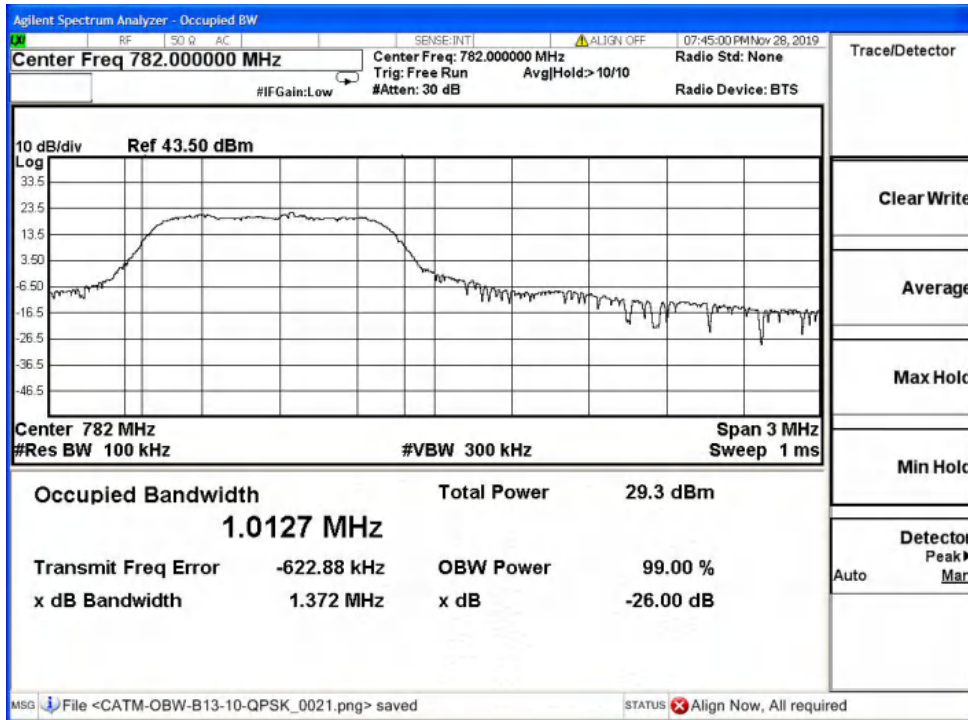


Band13-26dB OBW-10MHz Bandwidth-16QAM

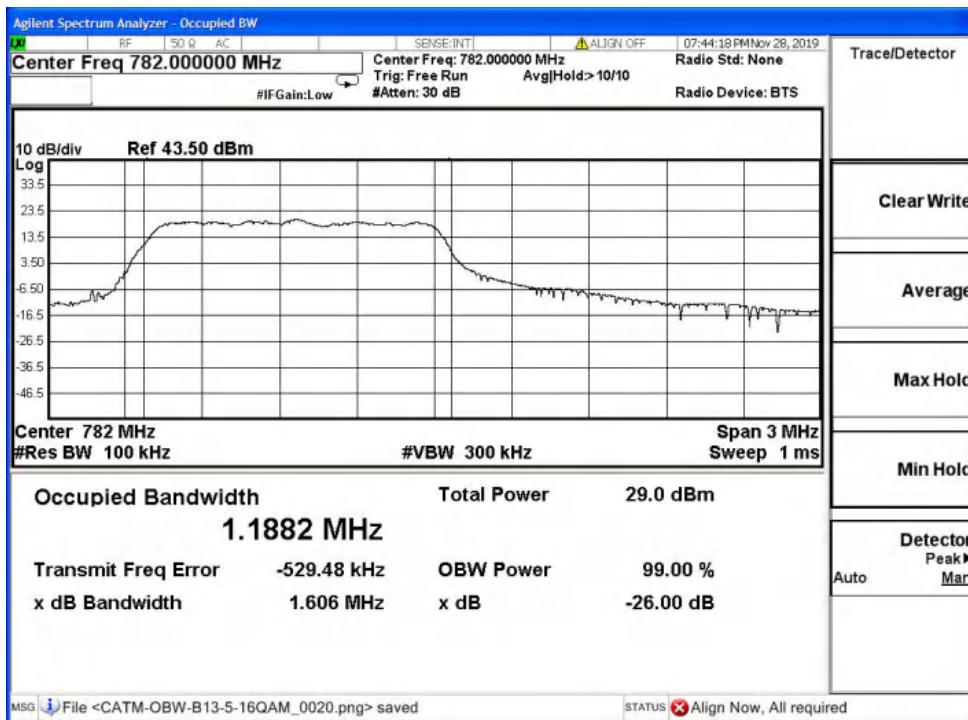


Band13-26dB OBW-10MHz Bandwidth-QPSK

### Report No.: B19W50622-WWAN\_Rev2

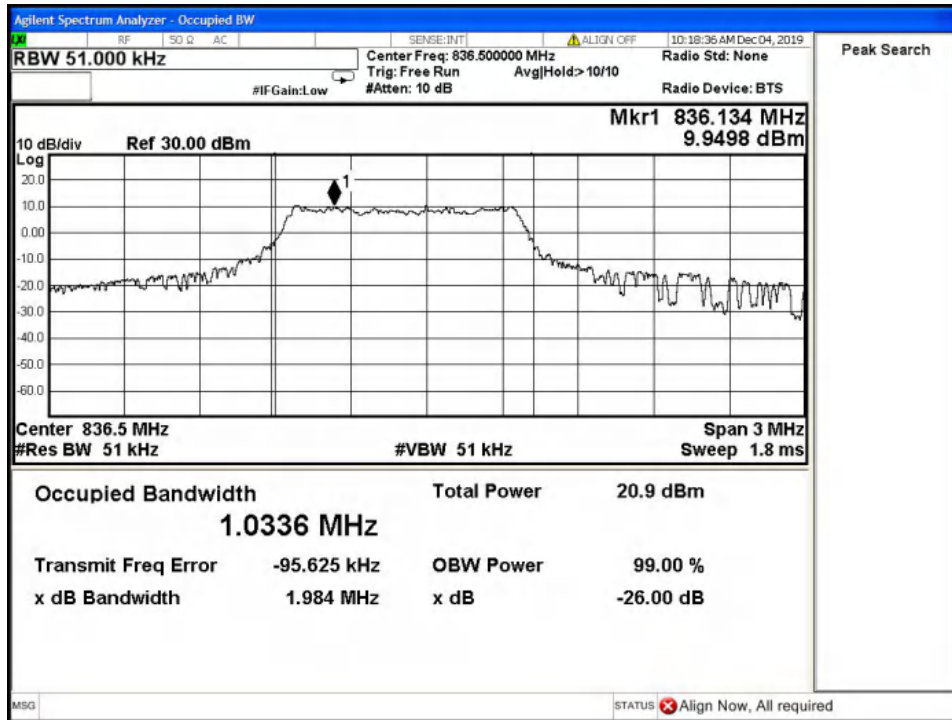


Band13-99% OBW-10MHz Bandwidth-16QAM

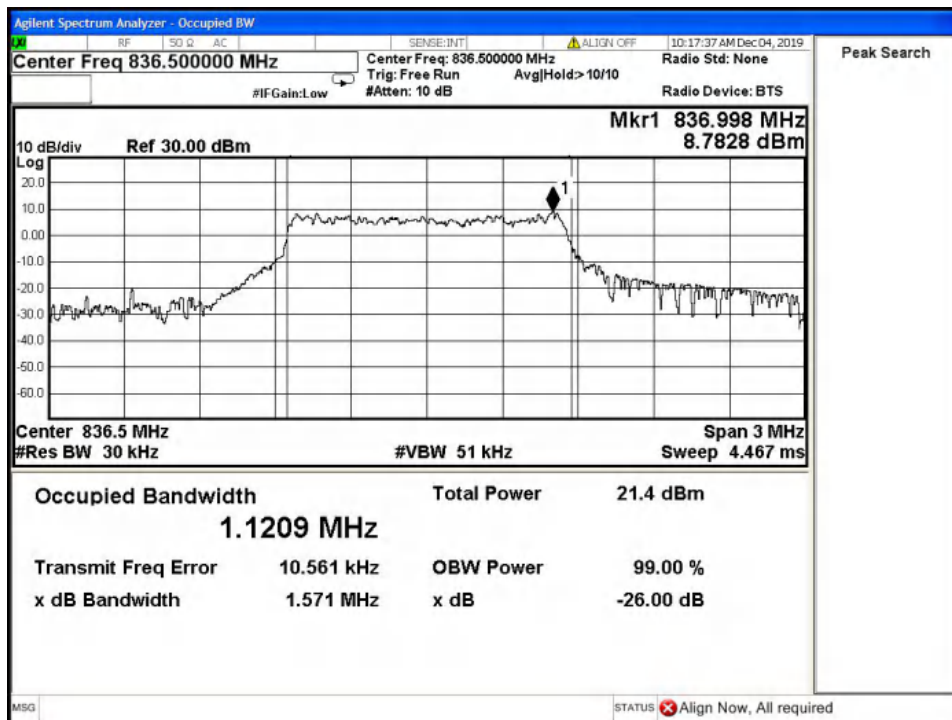


Band13-99% OBW-10MHz Bandwidth-QPSK

### Report No.: B19W50622-WWAN\_Rev2



Band26-26dB OBW-26915 Channel-1.4MHz Bandwidth-16QAM

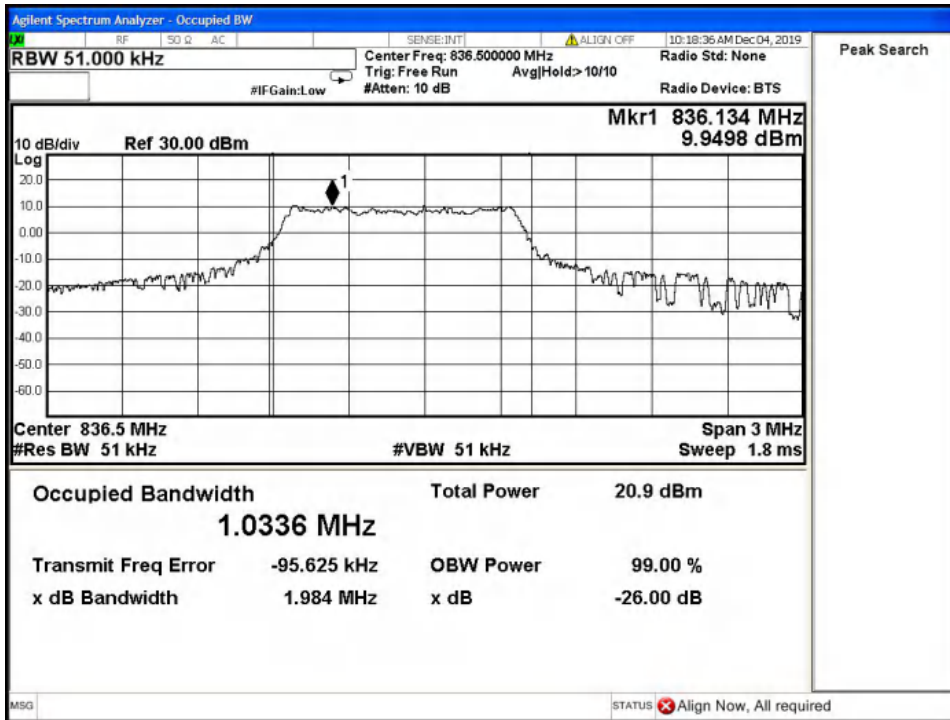


Band26-26dB OBW-26915 Channel-1.4MHz Bandwidth-QPSK

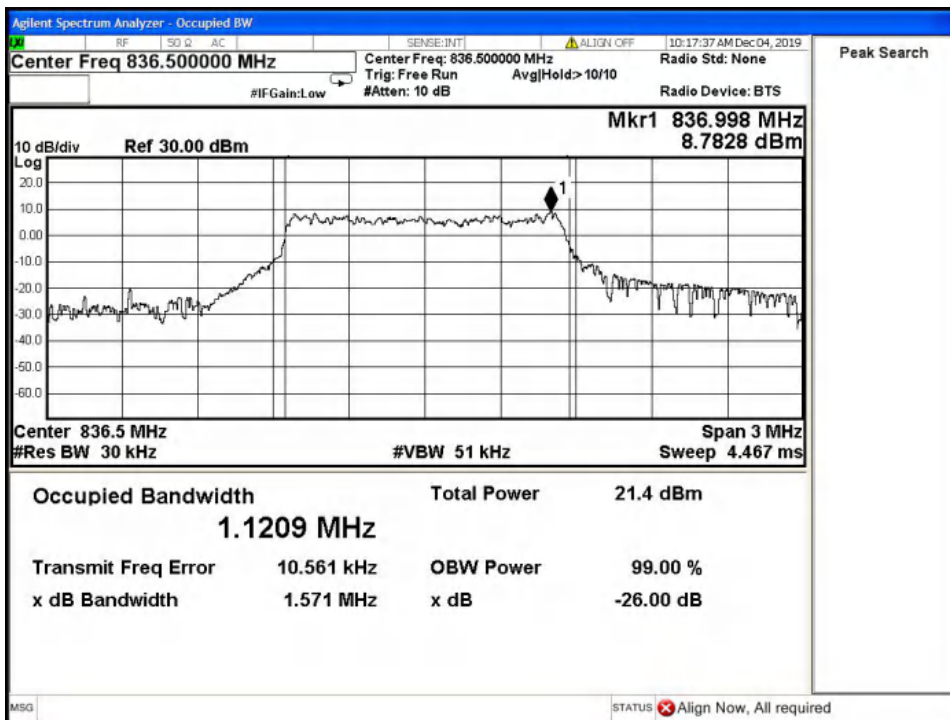
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Band26-99% OBW-26915 Channel-1.4MHz Bandwidth-16QAM

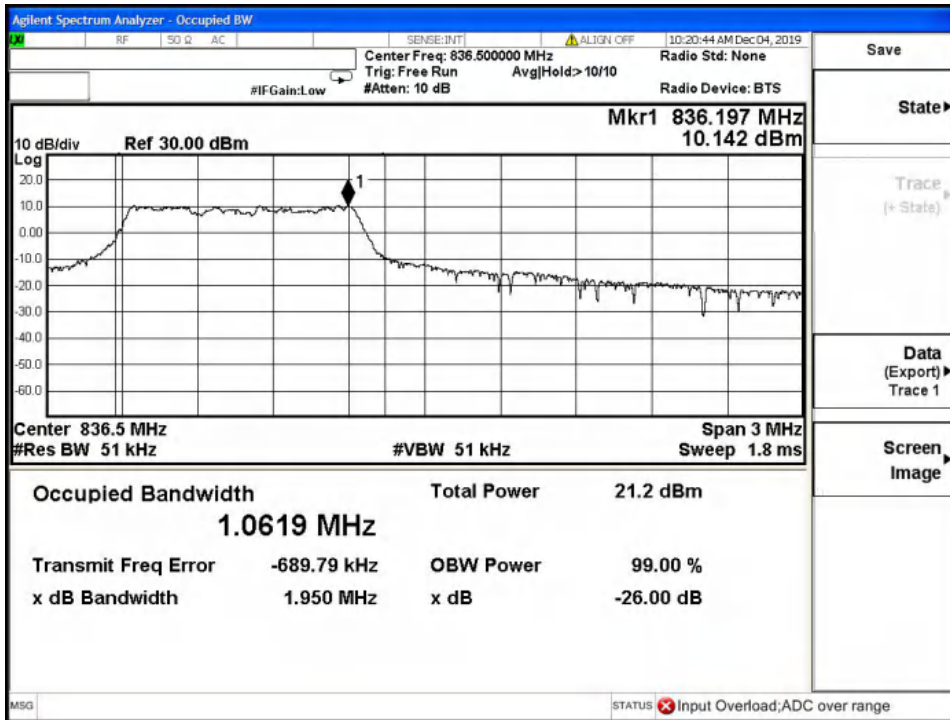


Band26-99% OBW-26915 Channel-1.4MHz Bandwidth-QPSK

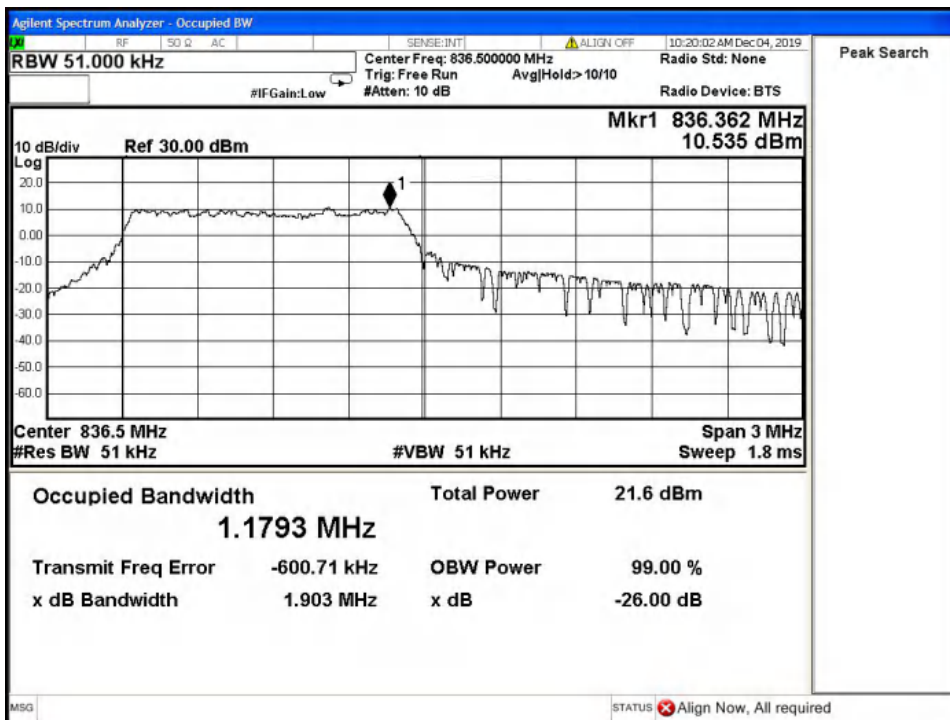
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Band26-26dB OBW-26915 Channel-3MHz Bandwidth-16QAM

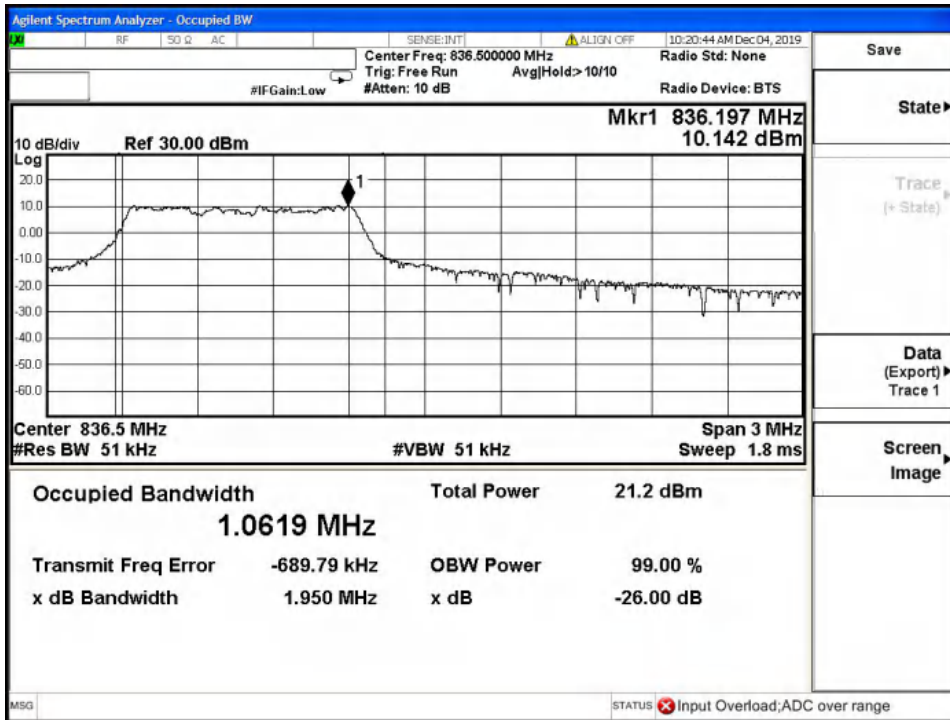


Band26-26dB OBW-26915 Channel-3MHz Bandwidth-QPSK

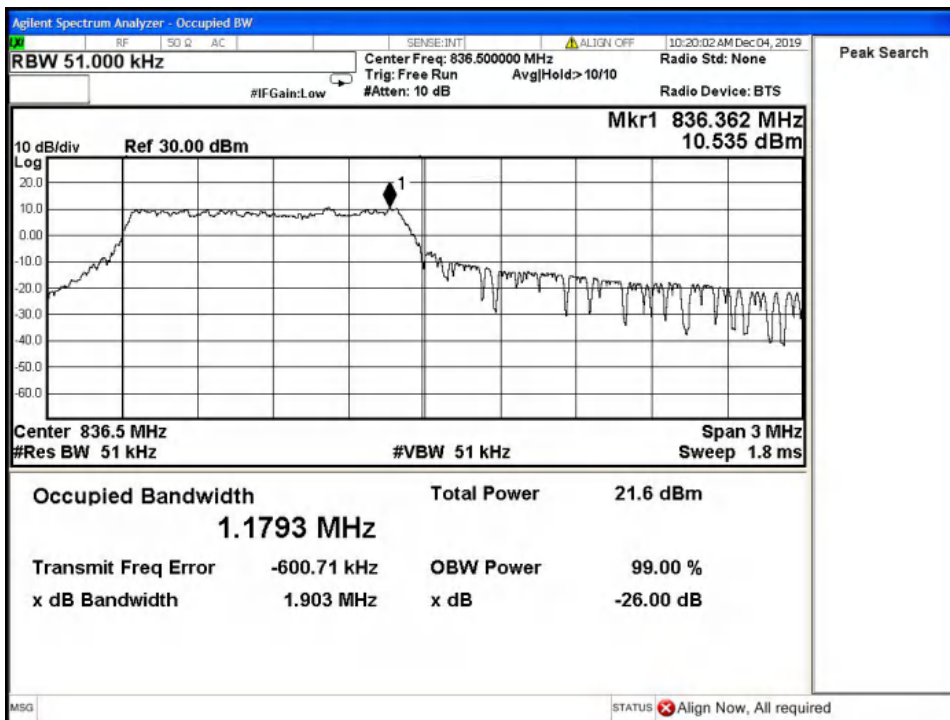
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Band26-99% OBW-26915 Channel-3MHz Bandwidth-16QAM



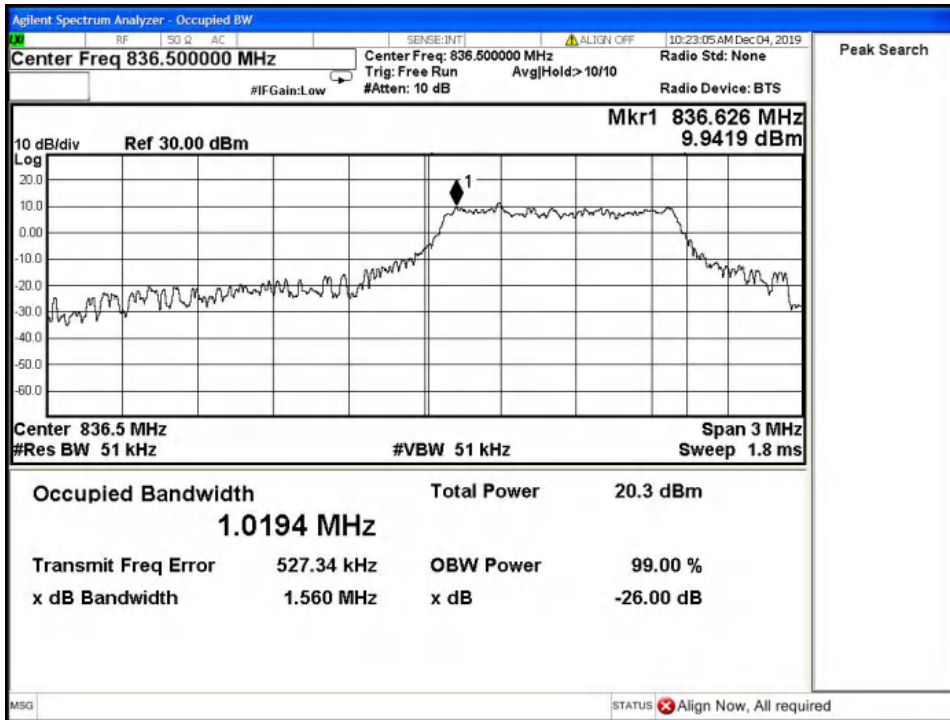
Band26-99% OBW-26915 Channel-3MHz Bandwidth-QPSK

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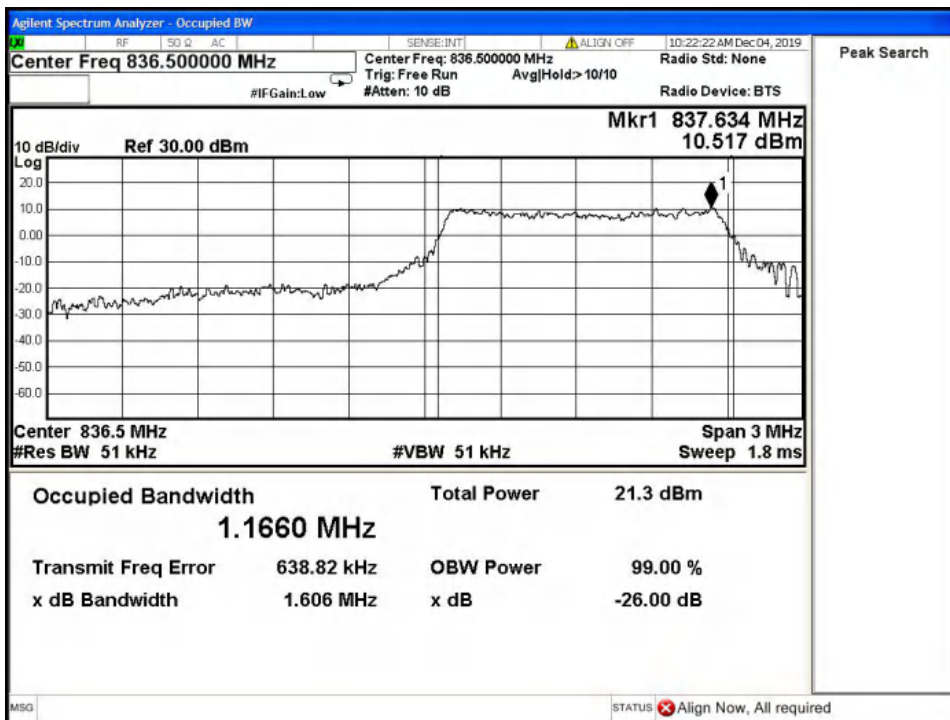
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Report No.: B19W50622-WWAN\_Rev2



Band26-26dB OBW-26915 Channel-5MHz Bandwidth-16QAM

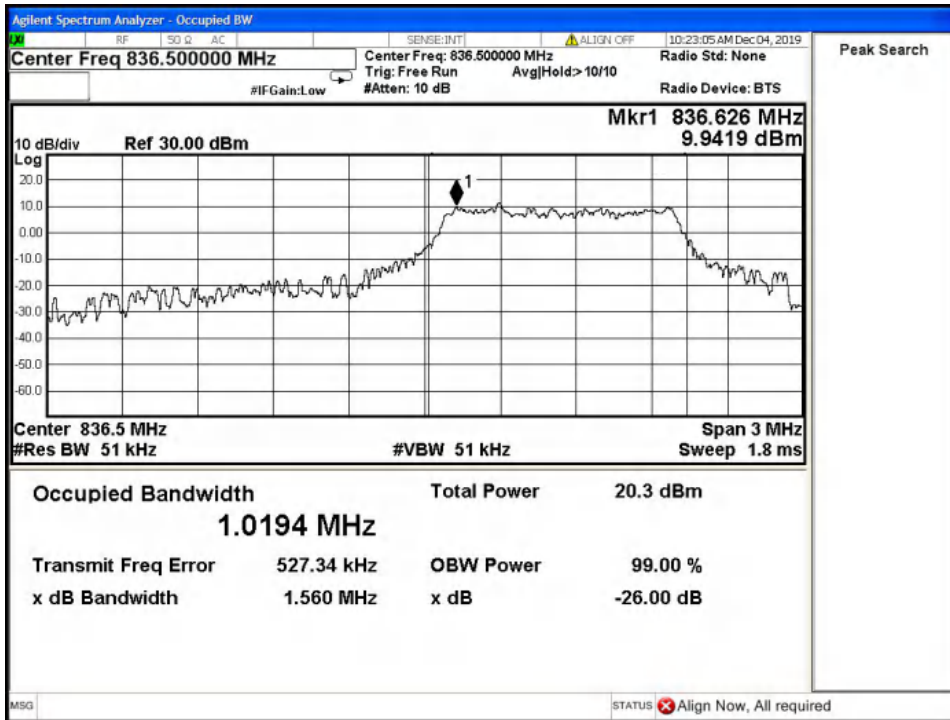


Band26-26dB OBW-26915 Channel-5MHz Bandwidth-QPSK

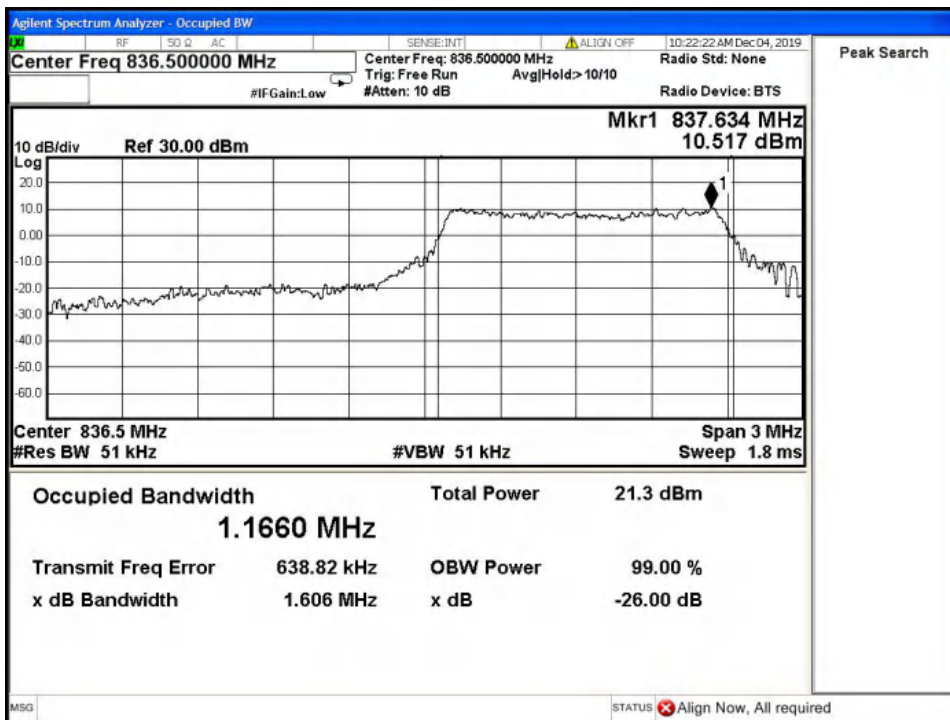
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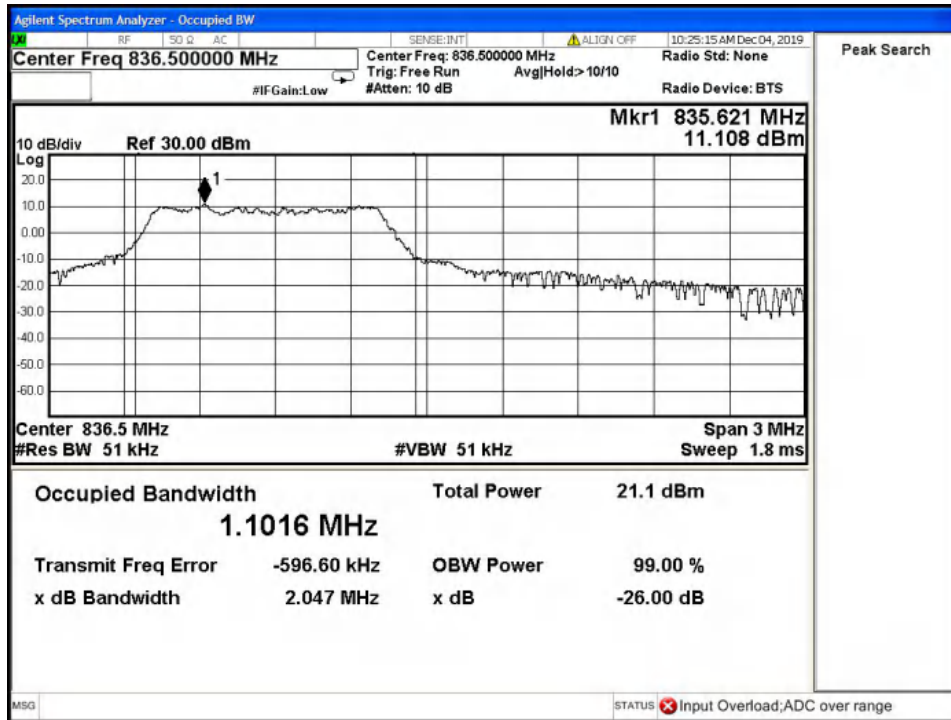


Band26-99% OBW-26915 Channel-5MHz Bandwidth-16QAM

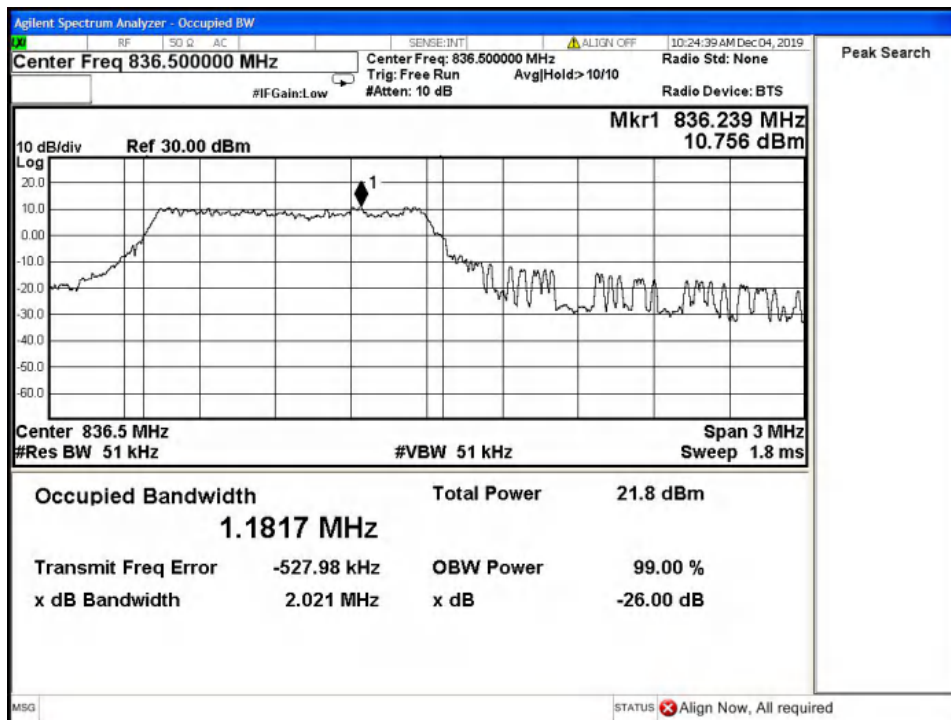


Band26-99% OBW-26915 Channel-5MHz Bandwidth-QPSK

### Report No.: B19W50622-WWAN\_Rev2

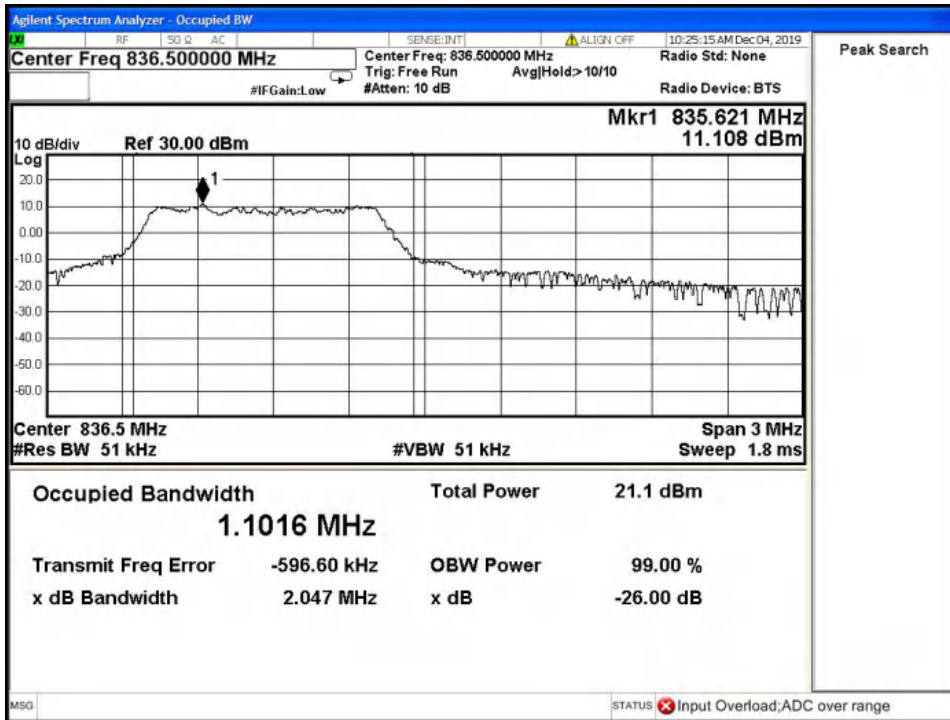


Band26-26dB OBW-26915 Channel-10MHz Bandwidth-16QAM

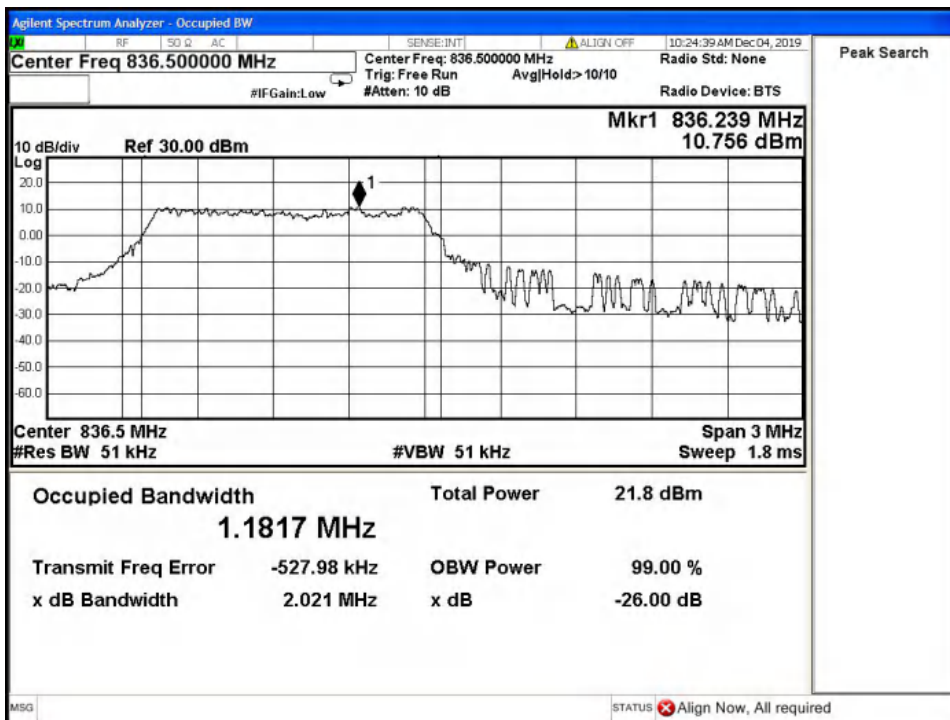


Band26-26dB OBW-26915 Channel-10MHz Bandwidth-QPSK

### Report No.: B19W50622-WWAN\_Rev2



Band26-99% OBW-26915 Channel-10MHz Bandwidth-16QAM

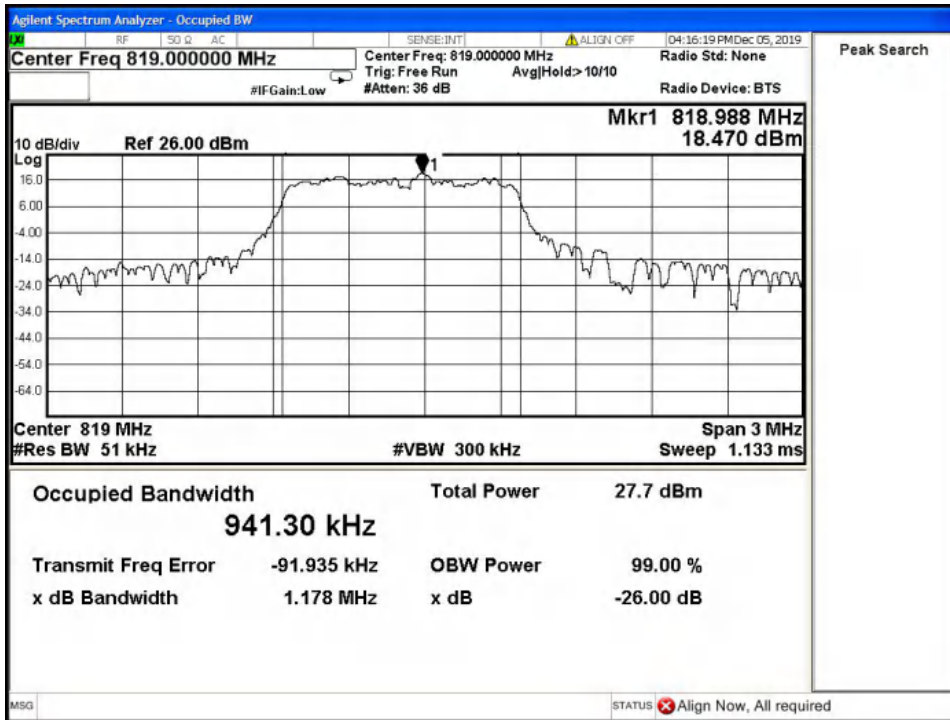


Band26-99% OBW-26915 Channel-10MHz Bandwidth-QPSK

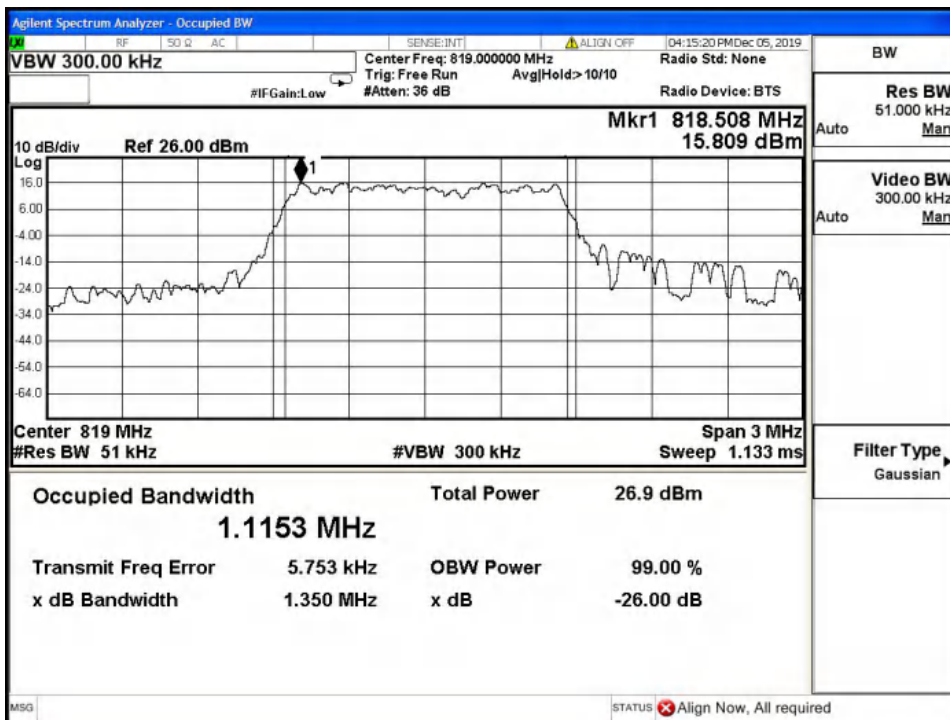
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Band26-26dB OBW-26740 Channel-1.4MHz Bandwidth-16QAM

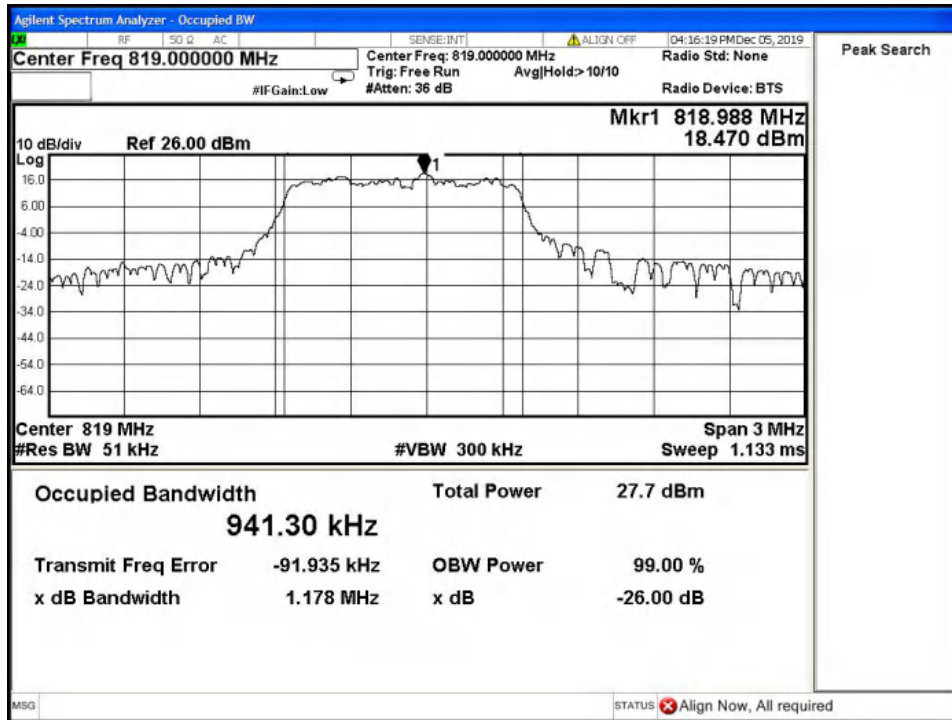


Band26-26dB OBW-26740 Channel-1.4MHz Bandwidth-QPSK

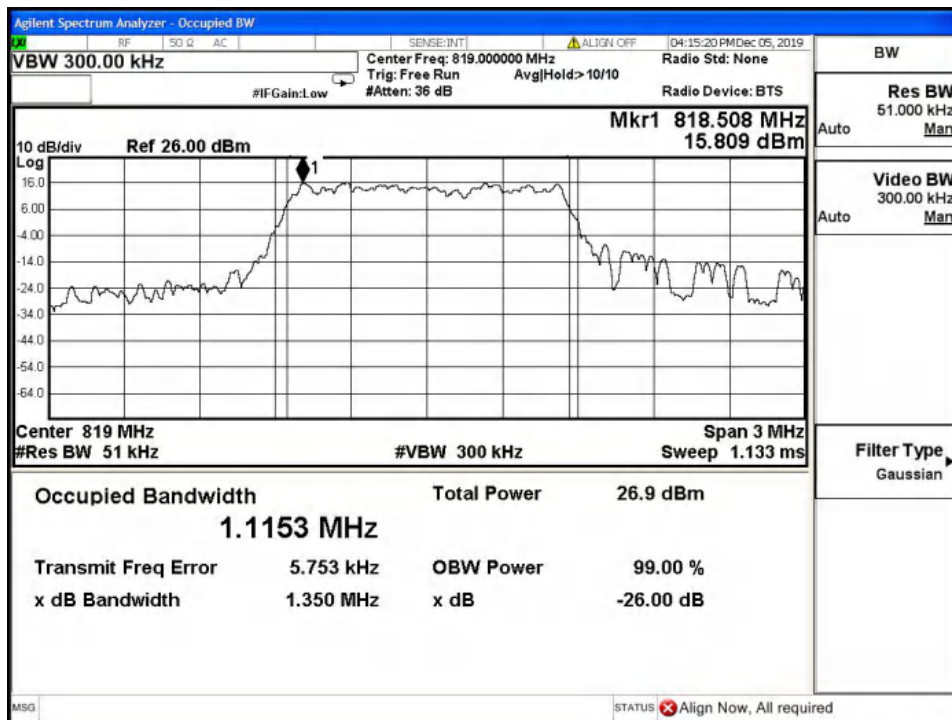
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Band26-26dB OBW-26740 Channel-1.4MHz Bandwidth-16QAM

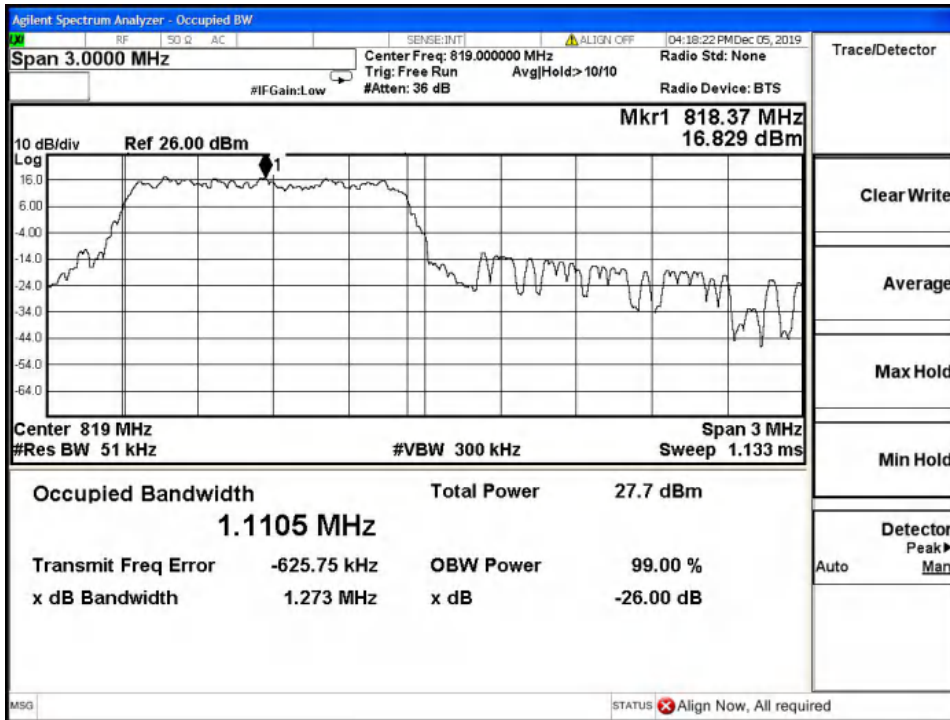


Band26-26dB OBW-26740 Channel-1.4MHz Bandwidth-QPSK

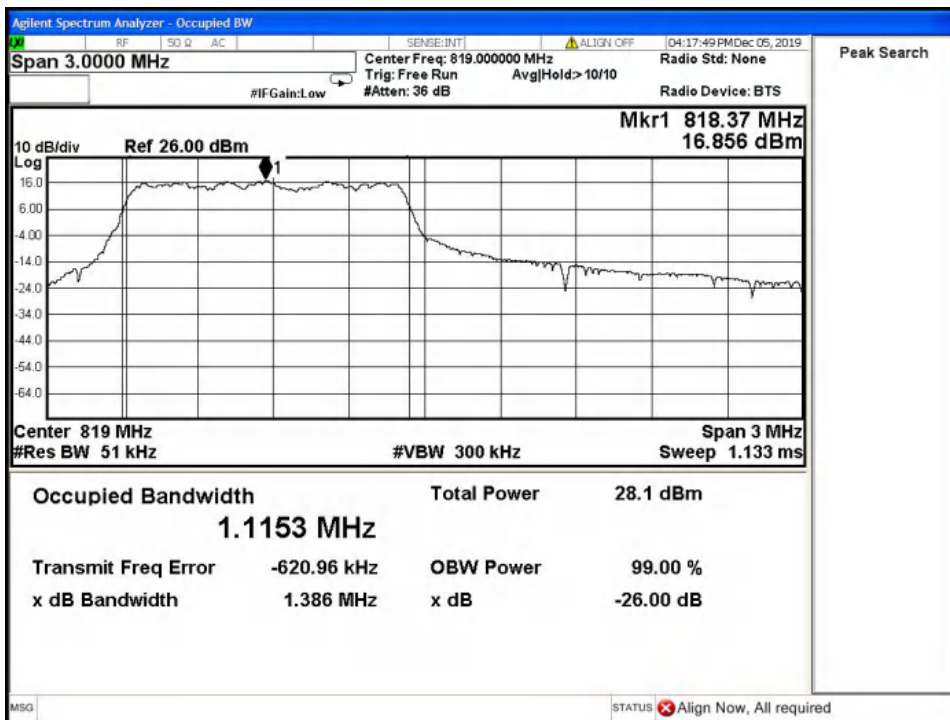
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Band26-26dB OBW-26740 Channel-3MHz Bandwidth-16QAM

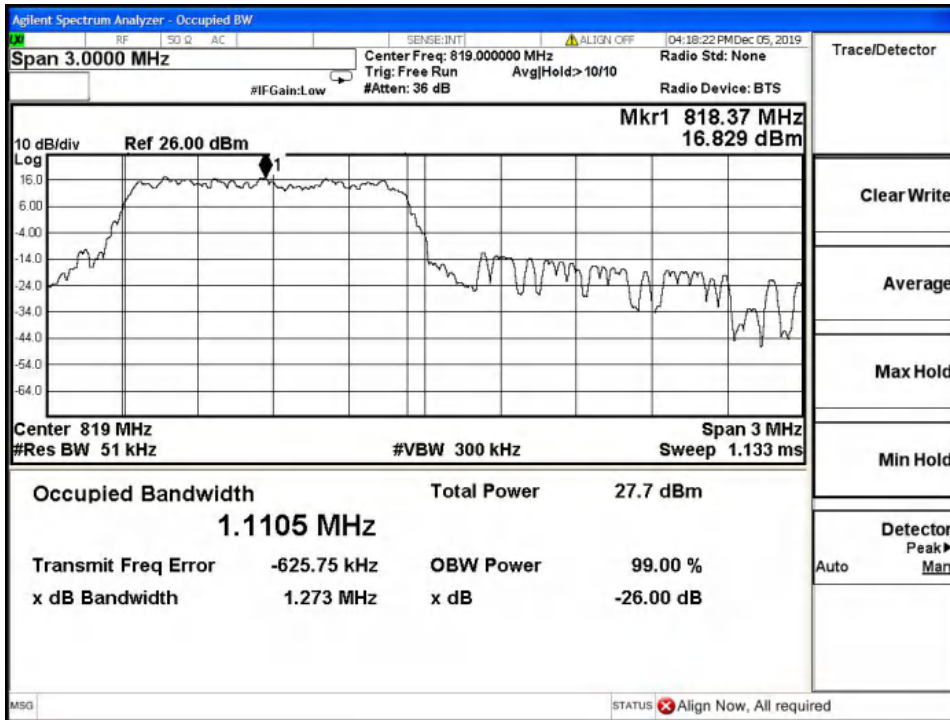


Band26-26dB OBW-26740 Channel-3MHz Bandwidth-QPSK

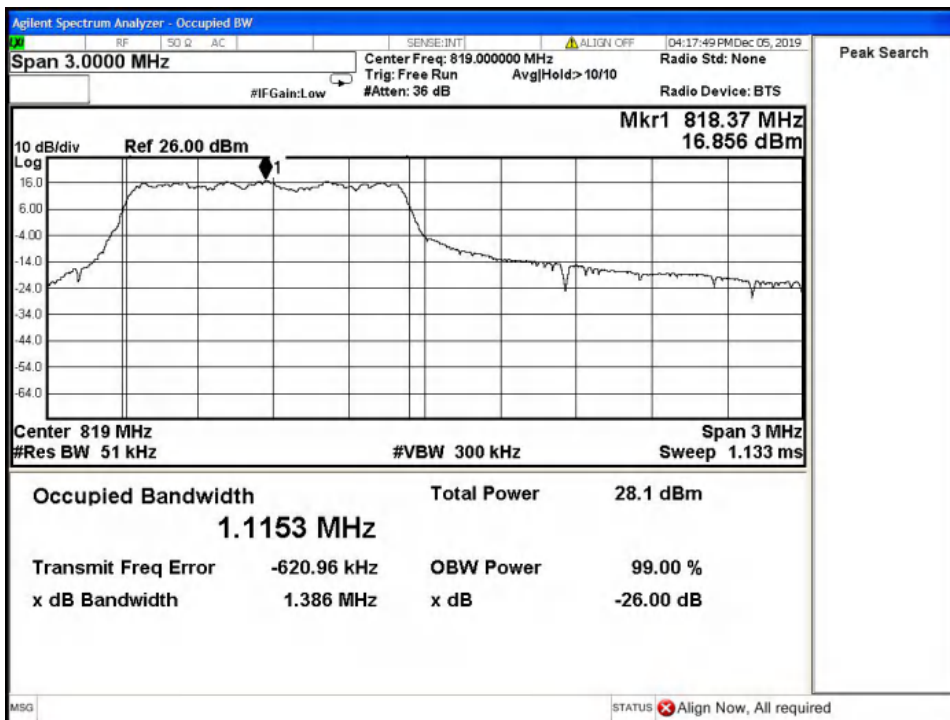
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Report No.: B19W50622-WWAN\_Rev2



Band26-26dB OBW-26740 Channel-3MHz Bandwidth-16QAM



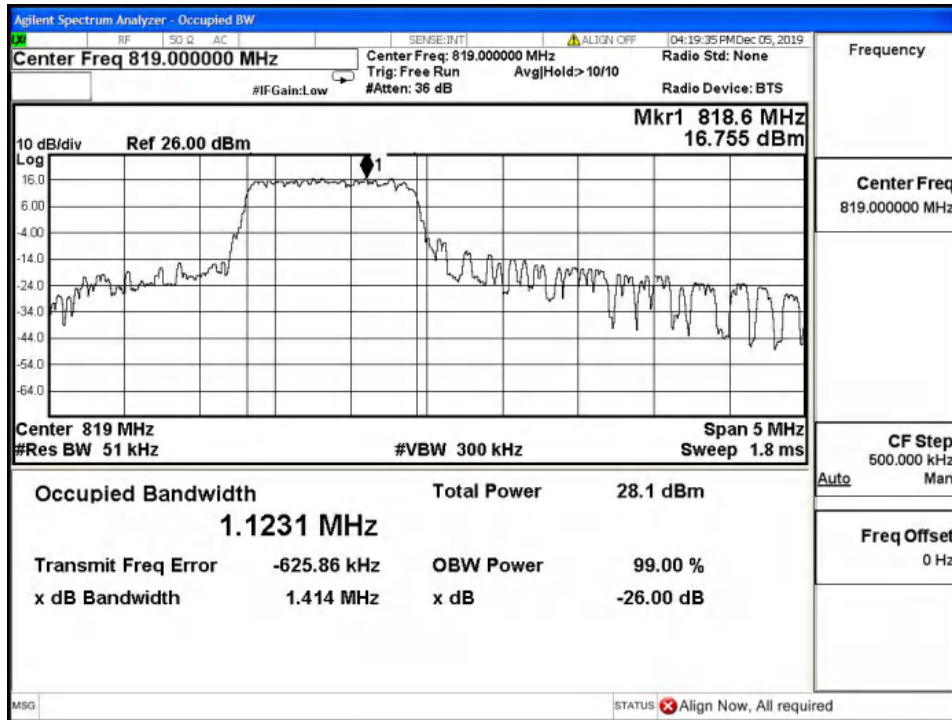
Band26-26dB OBW-26740 Channel-3MHz Bandwidth-QPSK

Chongqing Academy of Information and Communication Technology

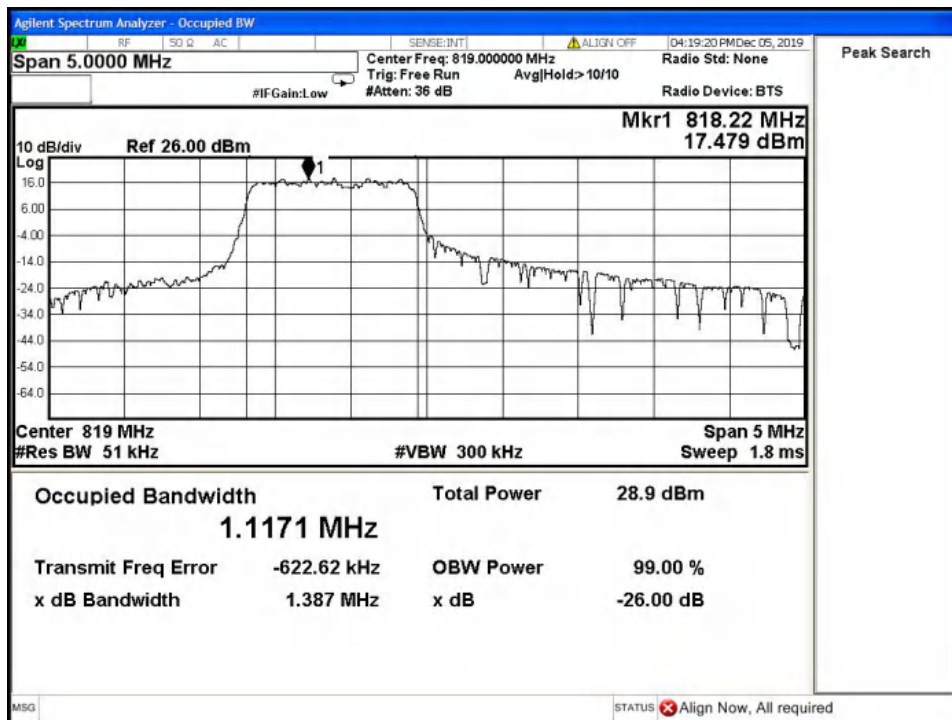
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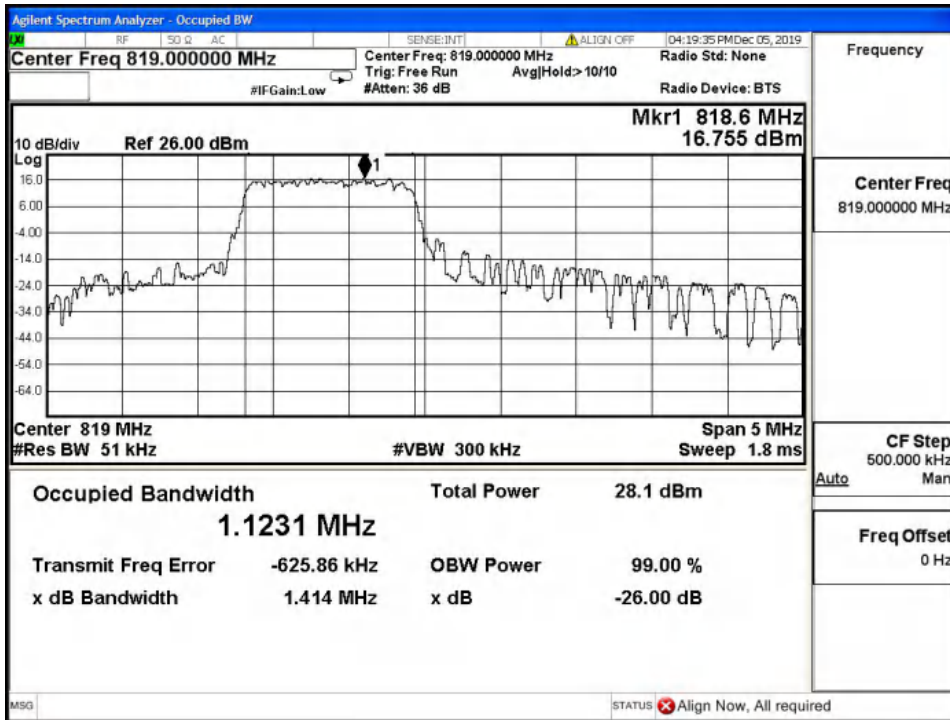


Band26-26dB OBW-26740 Channel-5MHz Bandwidth-16QAM

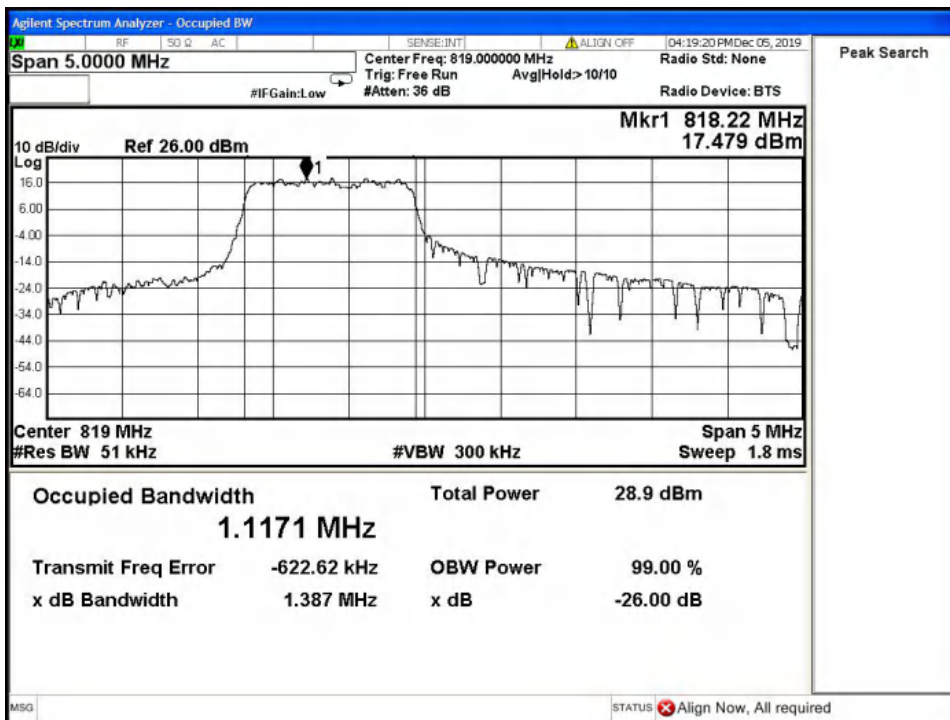


Band26-26dB OBW-26740 Channel-5MHz Bandwidth-QPSK

### Report No.: B19W50622-WWAN\_Rev2



Band26-26dB OBW-26740 Channel-5MHz Bandwidth-16QAM

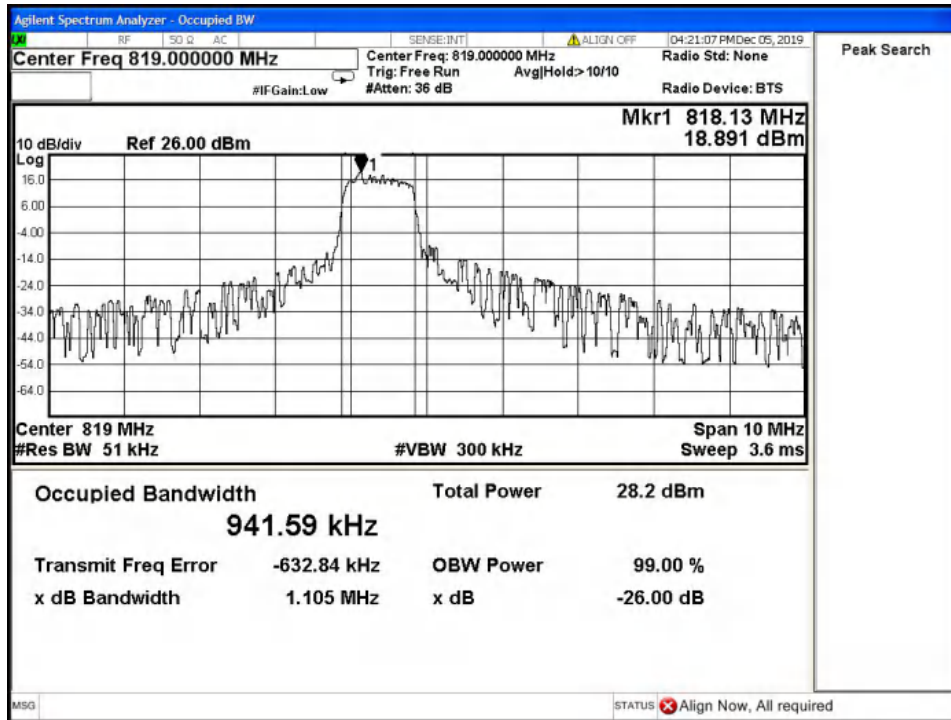


Band26-26dB OBW-26740 Channel-5MHz Bandwidth-QPSK

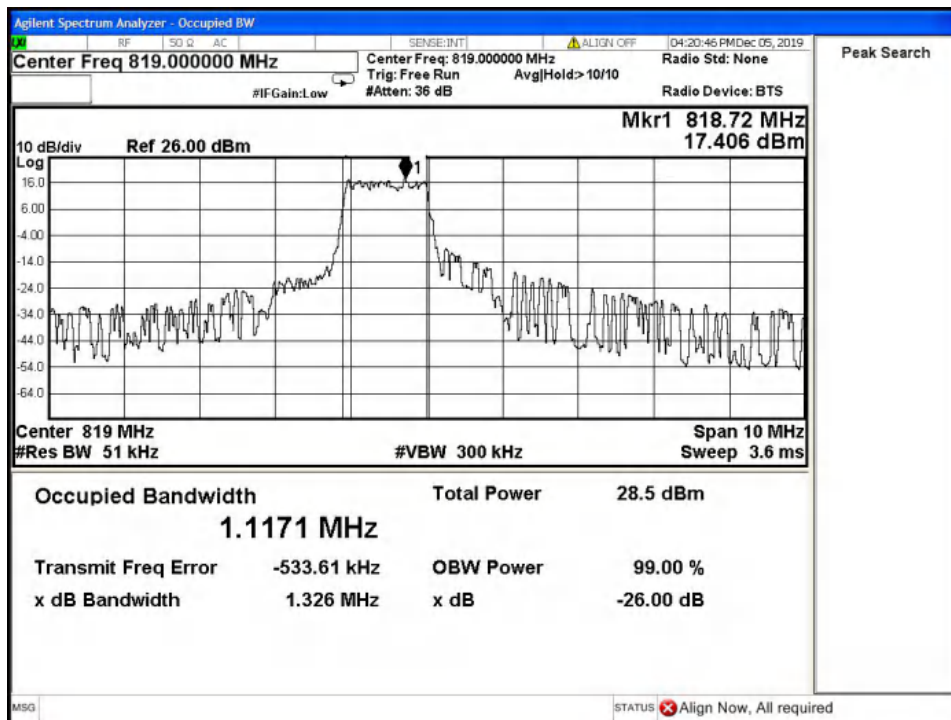
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Band26-26dB OBW-26740 Channel-10MHz Bandwidth-16QAM

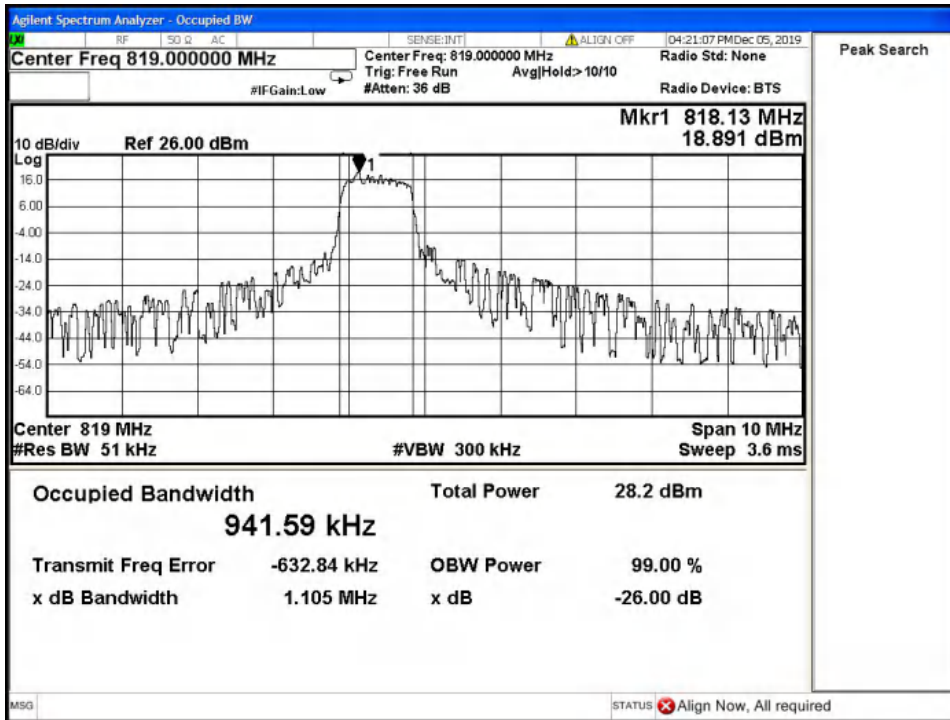


Band26-26dB OBW-26740 Channel-10MHz Bandwidth-QPSK

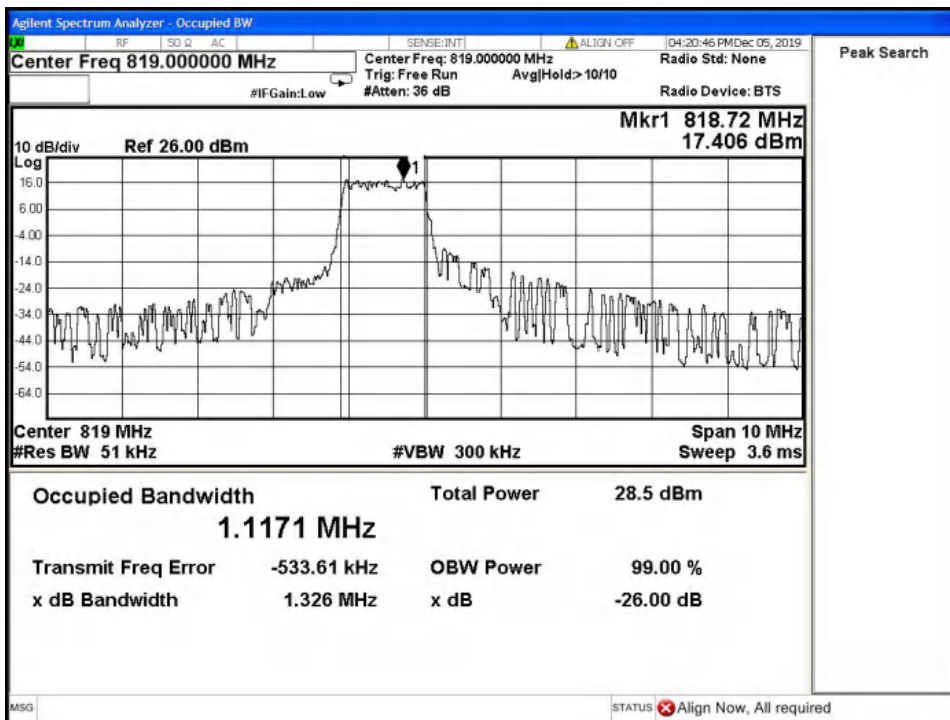
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Band26-26dB OBW-26740 Channel-10MHz Bandwidth-16QAM



Band26-26dB OBW-26740 Channel-10MHz Bandwidth-QPSK

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**Report No.: B19W50622-WWAN\_Rev2**

**5.3 Conducted Spurious Emission**

<b>Specifications:</b>	FCC Part 2.1051, 2.1053, 24.238, 22.917, 27.53,90.691
<b>DUT Serial Number:</b>	353081090297923
<b>Test conditions:</b>	Ambient Temperature:15°C-35°C Relative Humidity:30%-60% Air pressure: 86-106kPa
<b>Test Results:</b>	Pass

**Limit Level Construction:**

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least  $43 + 10 \log(P)$  dB, so the limit level is:

$$P(\text{dBm}) - (43 + 10 \log(P)) \text{ dB} = -13\text{dBm}$$

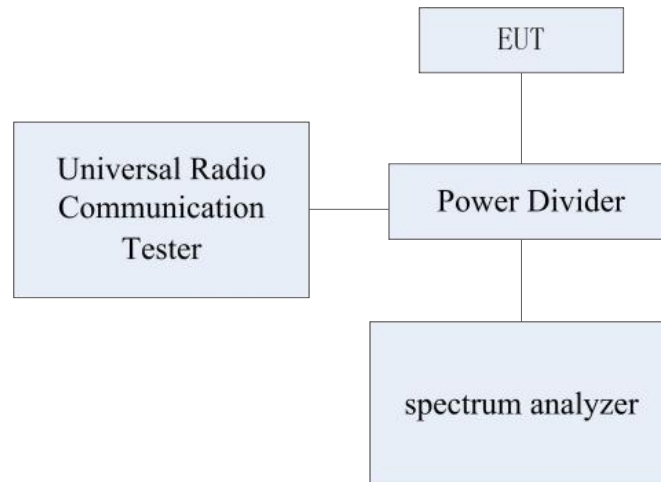
**Measurement Uncertainty:**

Item	Uncertainty	
Expanded Uncertainty	$9\text{kHz} < f \leq 4\text{GHz}$	0.71 dB (k=2)
	$4\text{GHz} \leq f < 12.75\text{GHz}$	0.74 dB (k=2)
	$12.75\text{GHz} \leq f < 26\text{GHz}$	2.70 dB (k=2)

## Report No.: B19W50622-WWAN\_Rev2

### Test Setup:

During the test, the EUT was controlled via the Wireless Communications Test Set to ensure max power transmission and proper modulation and measured by spectrum analyzer.



### Test Method:

The measurement was performed accordance with section 2.2.13 of ANSI/TIA-603-E: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

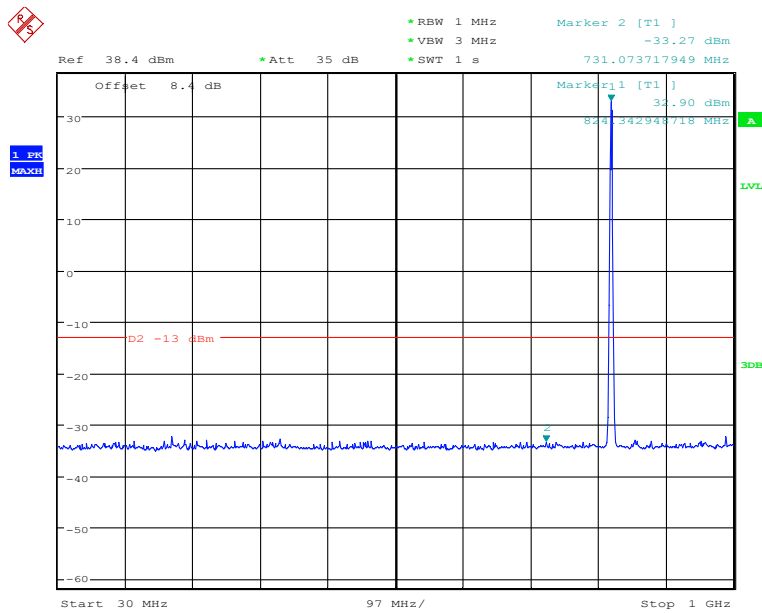
The measurement was performed accordance with section 2.2.13 of ANSI/TIA-603-E-2010: Land Mobile FM or PM Communications Equipment Measurement and Performance Standards.

The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-Band emissions, if any, up to 10th harmonic. The EUT was scanned for spurious emissions from 30MHz to 20GHz with sufficient Bandwidth and video resolution. The spectrum analyzer was set to Maximum hold mode to ensure that the worst-case emissions were captured.

**Note:** Only worst case result is given below.

## Report No.: B19W50622-WWAN\_Rev2

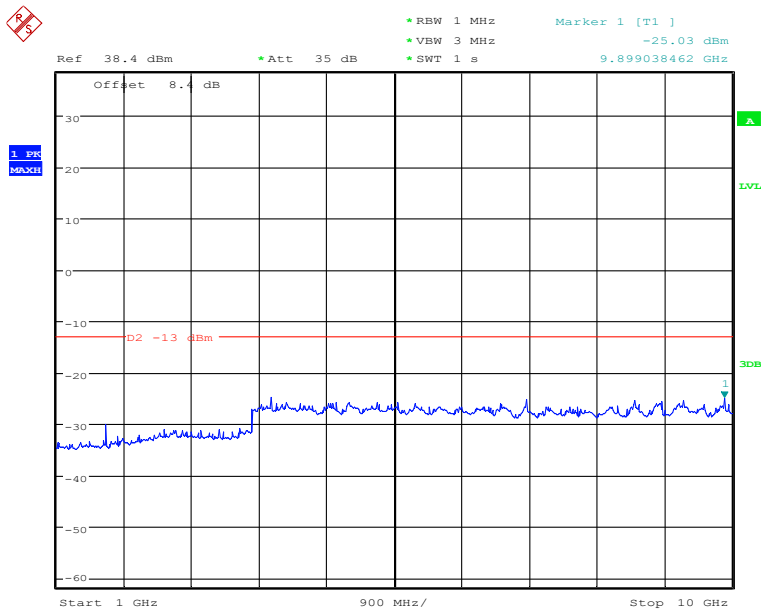
### 5.3.1 GSM850 Conducted Spurious Emission Results



Date: 14.DEC.2019 22:15:33

GMSK-Low channel-824.200 MHz-30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



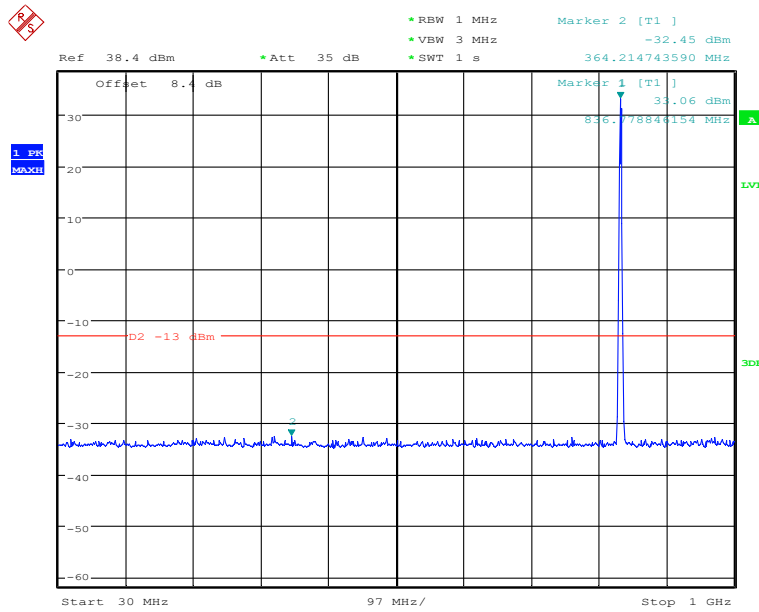
Date: 14.DEC.2019 22:16:46

GMSK-Low channel-824.200 MHz, 1GHz to 10GHz

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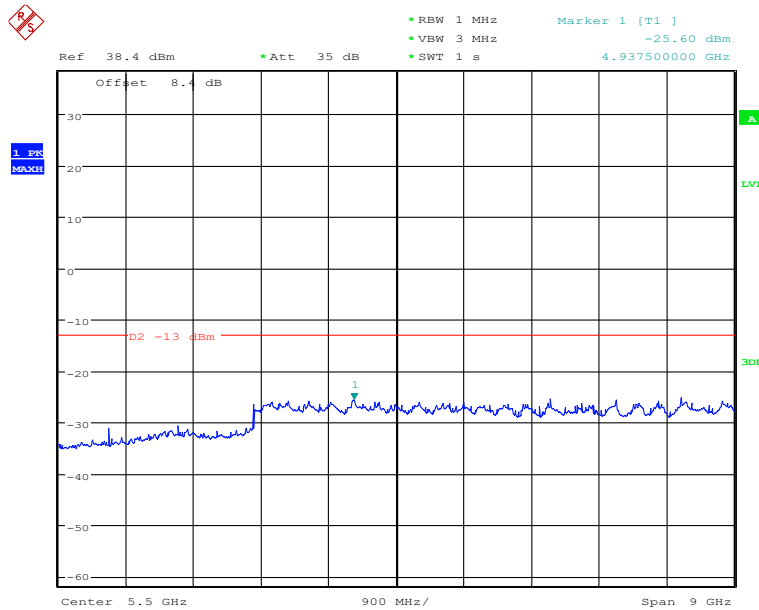
### Report No.: B19W50622-WWAN\_Rev2



Date: 14.DEC.2019 22:24:04

#### GMSK- Mid Channel-836.6 MHz- 30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 14.DEC.2019 22:24:52

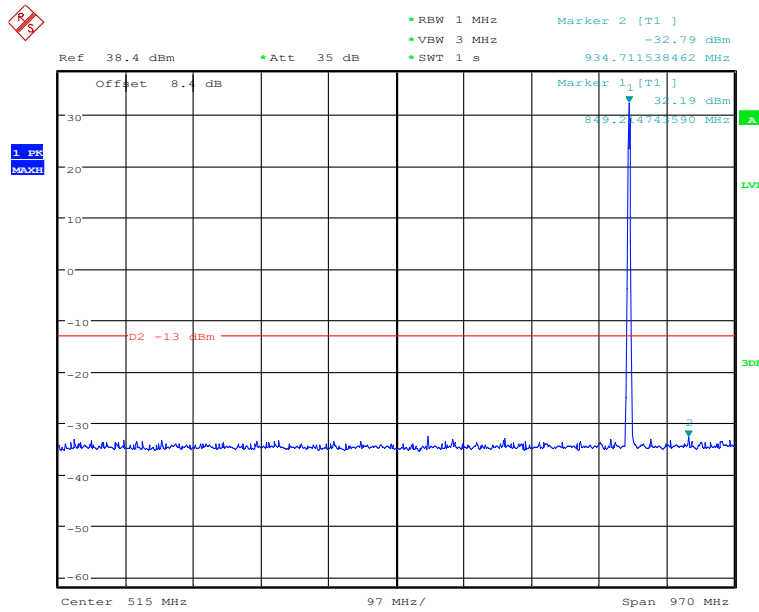
#### GMSK-Mid Channel-836.6 MHz-1GHz to 10GHz

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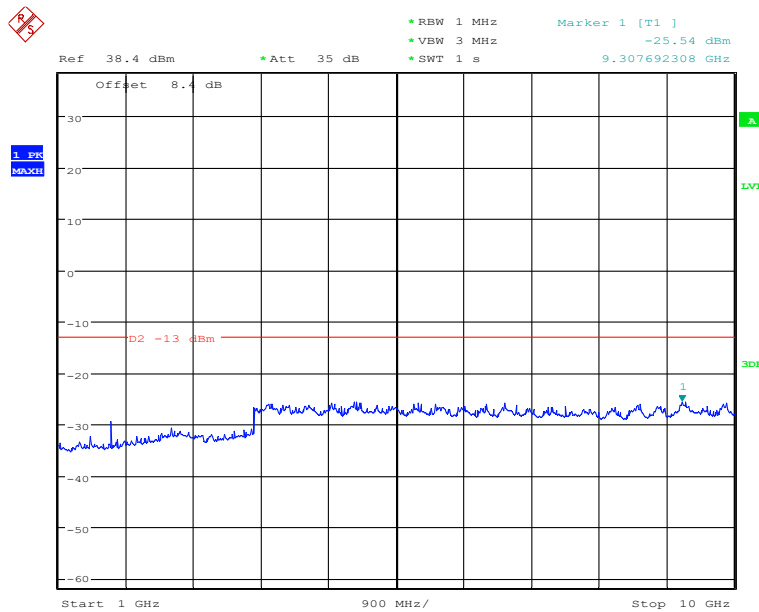
### Report No.: B19W50622-WWAN\_Rev2



Date: 14.DEC.2019 22:27:02

#### GMSK- High Channel-848.8 MHz-30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



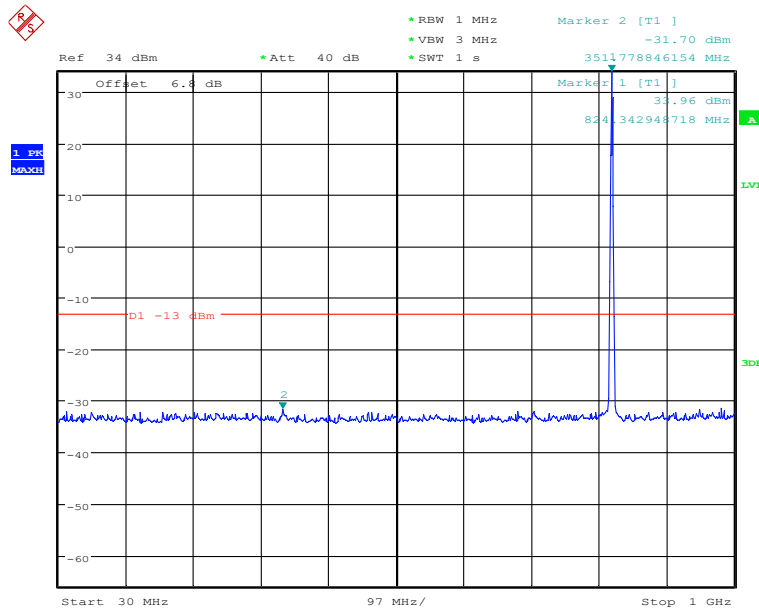
Date: 14.DEC.2019 22:27:51

#### GMSK- High Channel-848.8 MHz-1GHz to 10GHz

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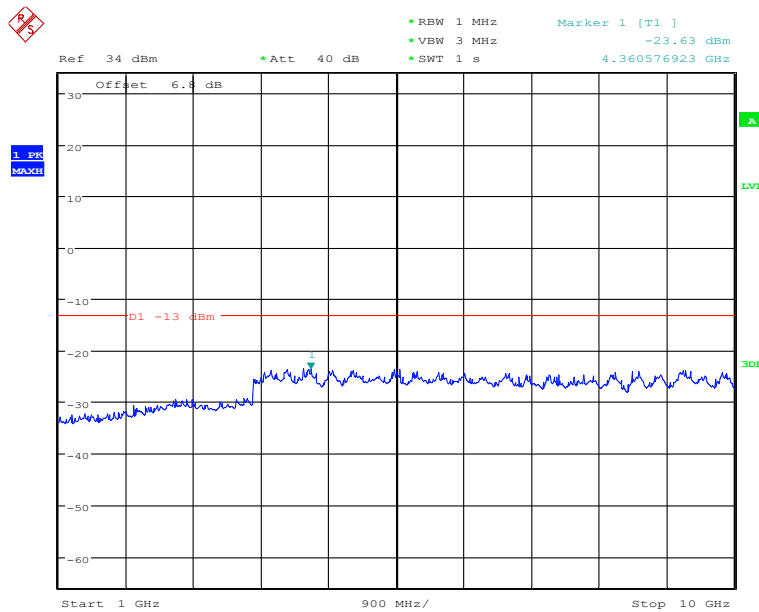
### Report No.: B19W50622-WWAN\_Rev2



Date: 19.DEC.2019 06:35:40

#### 8PSK- Low channel-824.200 MHz-30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



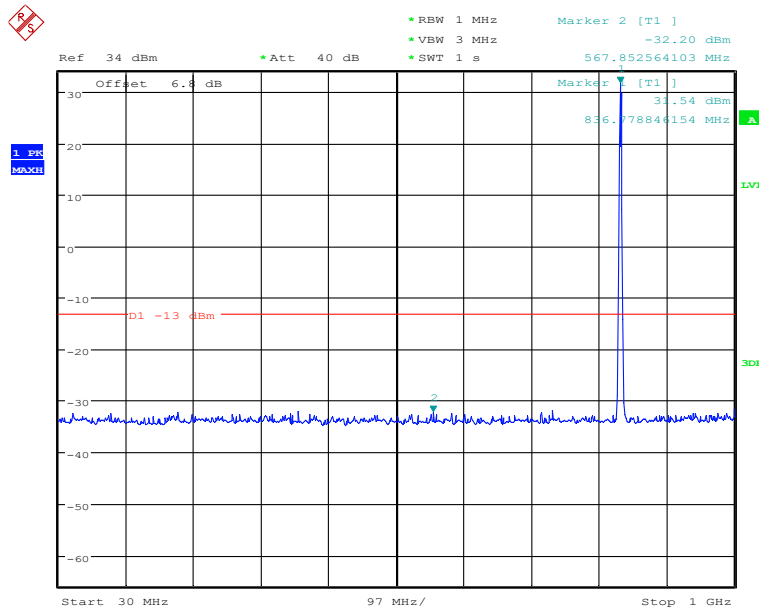
Date: 19.DEC.2019 06:36:09

#### 8PSK-Low channel-824.200 MHz-1GHz to 10GHz

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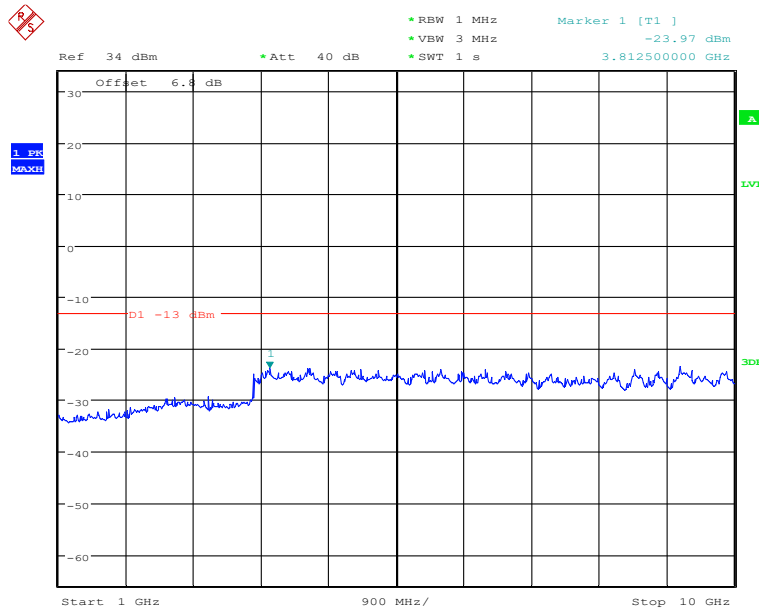
### Report No.: B19W50622-WWAN\_Rev2



Date: 19.DEC.2019 06:37:24

#### 8PSK-Mid Channel-836.6 MHz-30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



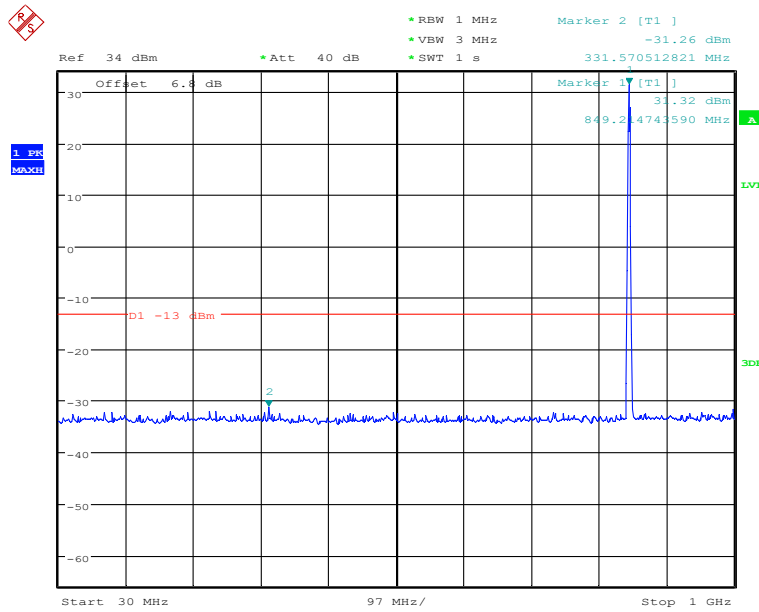
Date: 19.DEC.2019 06:36:43

#### 8PSK-Mid Channel-836.6 MHz-1GHz to 10GHz

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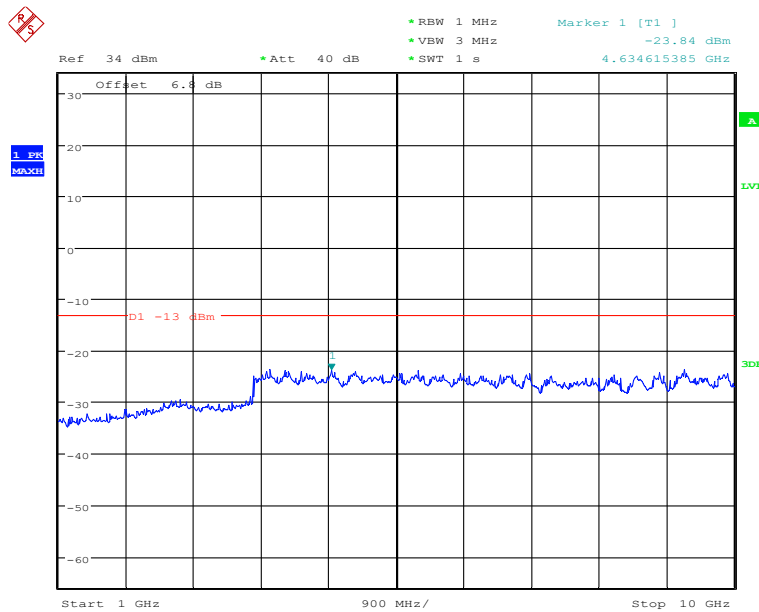
### Report No.: B19W50622-WWAN\_Rev2



Date: 19.DEC.2019 06:38:10

#### 8PSK-High Channel-848.8 MHz-30MHz to 1GHz

Note: The strong emission shown in each case is the carrier signal.



Date: 19.DEC.2019 06:38:27

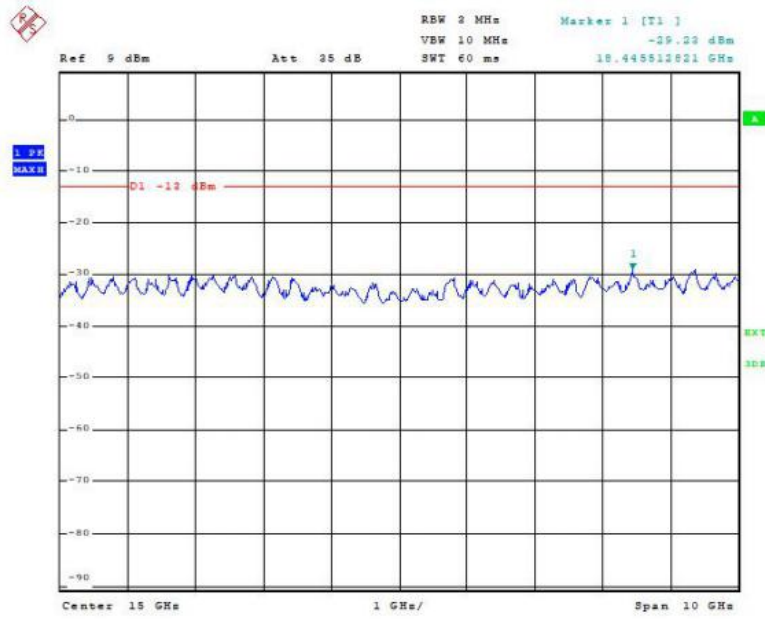
#### 8PSK-High Channel-848.8 MHz-1GHz to 10GHz

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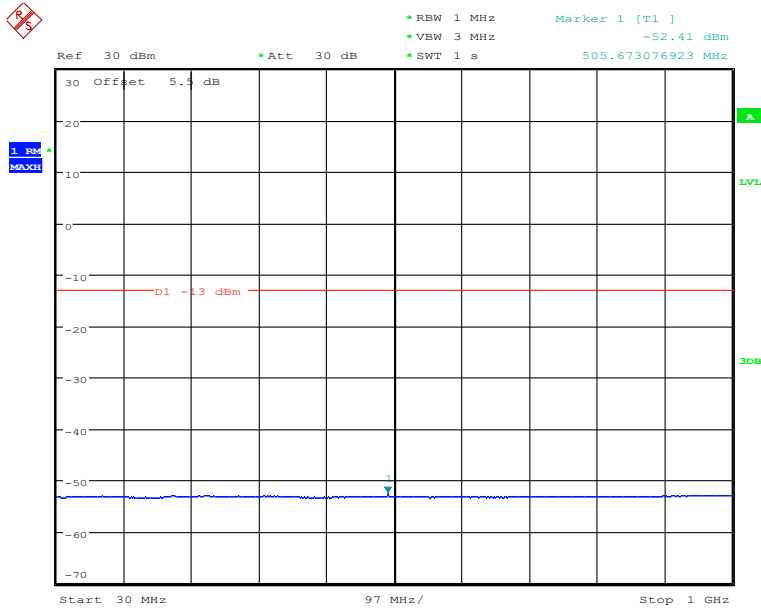


### Report No.: B19W50622-WWAN\_Rev2



Date: 29.MAY.2020 00:12:01

### GMSK-Low channel-1850.2 MHz-10GHz to 20GHz



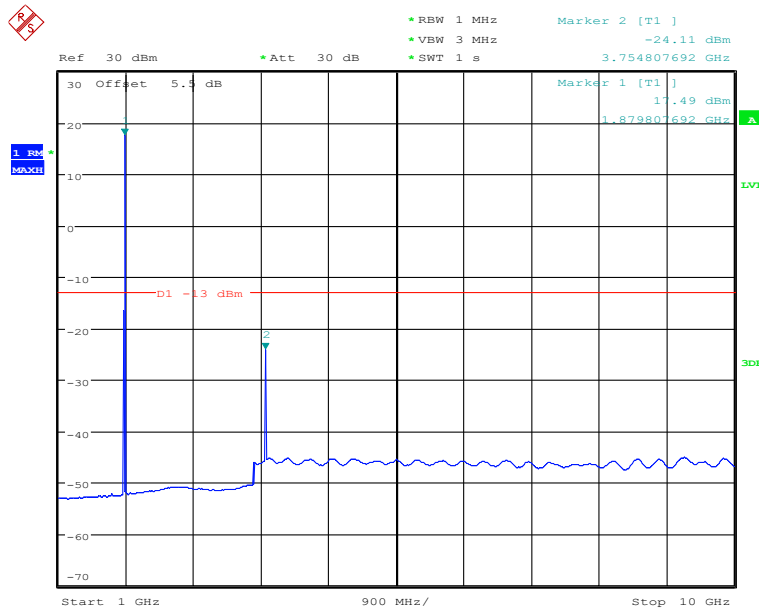
Date: 14.DEC.2019 22:34:25

### GMSK-Middle channel-1880.0 MHz-30MHz to 1GHz

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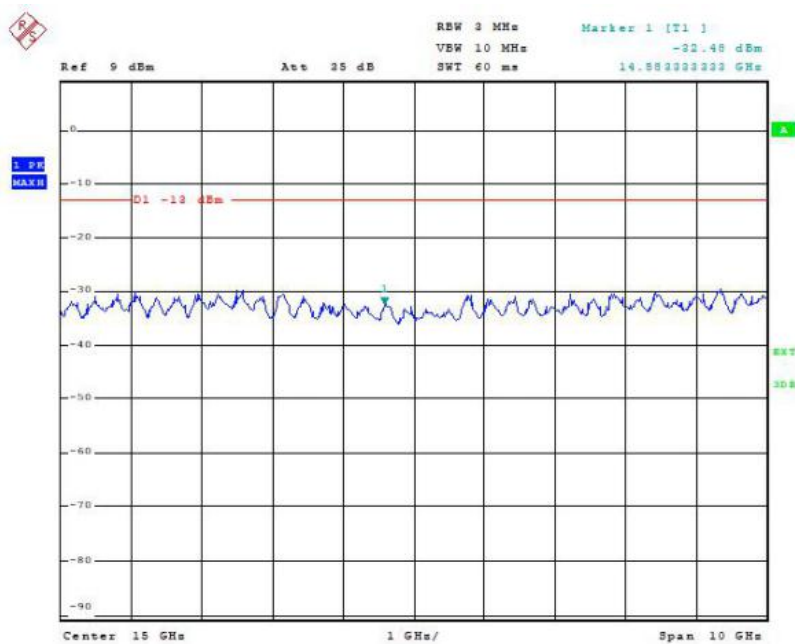
### Report No.: B19W50622-WWAN\_Rev2



Date: 14.DEC.2019 22:35:15

GMSK-Middle channel-1880.0 MHz-1GHz to 10GHz

Note: The strong emission shown is the carrier signal.



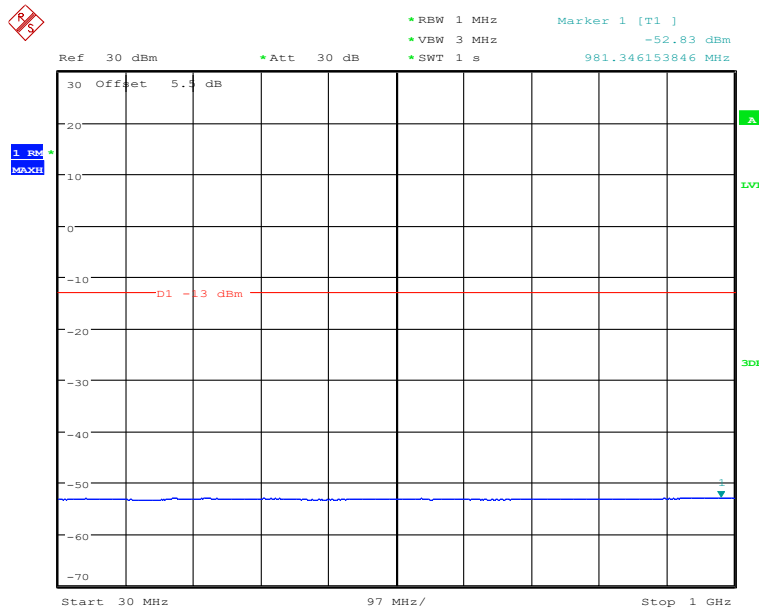
Date: 29.MAY.2020 00:13:48

GMSK-Middle channel-1880.0 MHz-10GHz to 20GHz

**Chongqing Academy of Information and Communication Technology**

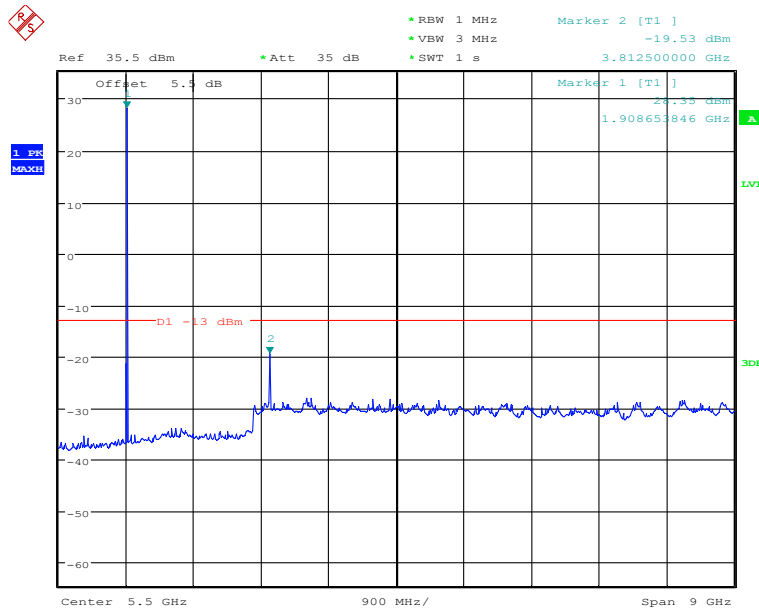
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965      FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 14.DEC.2019 22:36:02

### GMSK-High channel-1909.8 MHz-30MHz to 1GHz



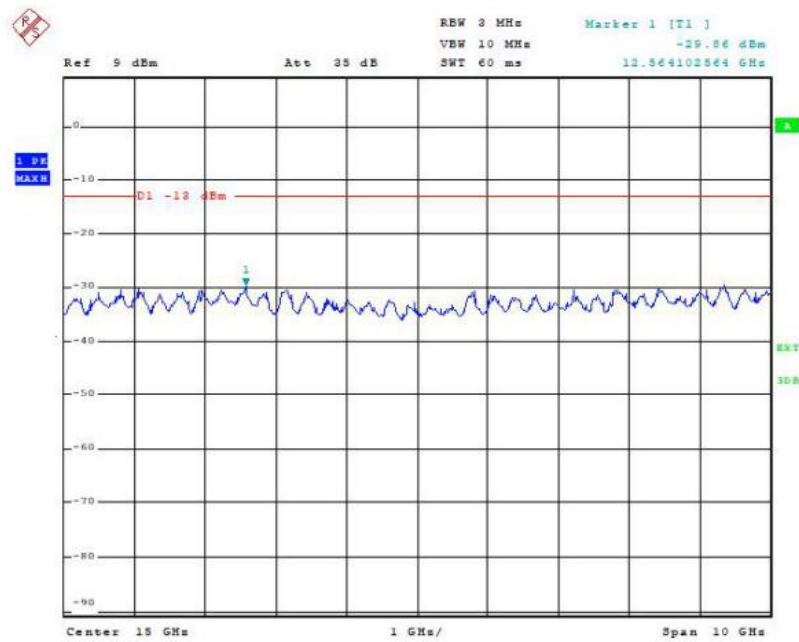
Date: 14.DEC.2019 22:36:58

### GMSK-High channel-1909.8 MHz-1GHz to 10GHz

Note: The strong emission shown is the carrier signal.

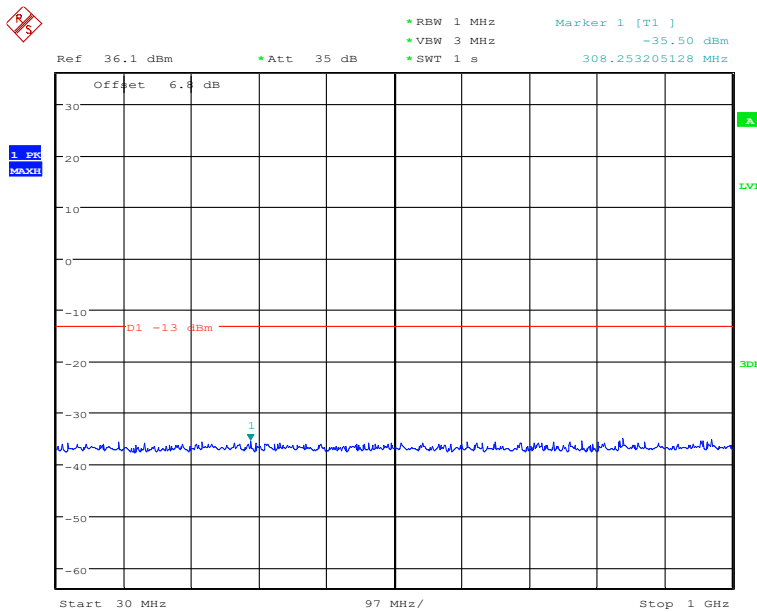


### Report No.: B19W50622-WWAN\_Rev2



Date: 29.MAY.2020 00:13:37

### GMSK-High channel-1909.8 MHz-10GHz to 20GHz



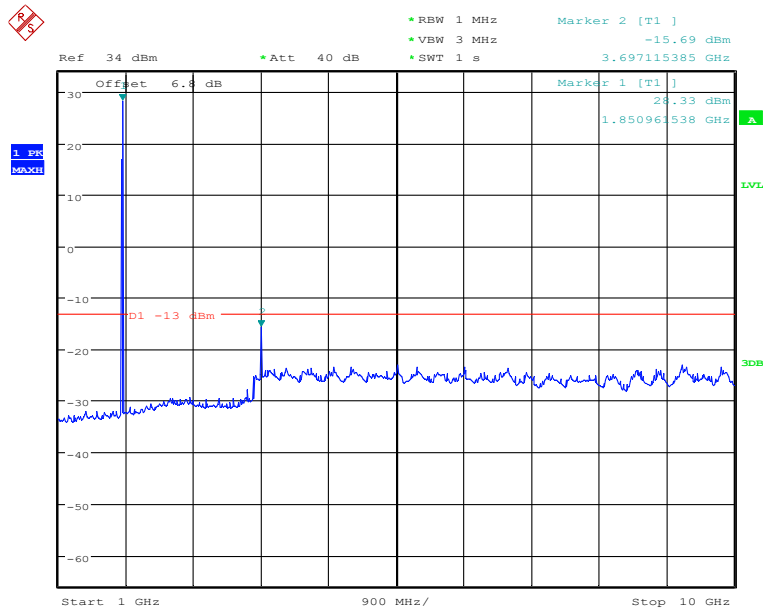
Date: 19.DEC.2019 06:32:25

### 8PSK-Low channel-1850.2 MHz-30MHz to 1GHz

**Chongqing Academy of Information and Communication Technology**

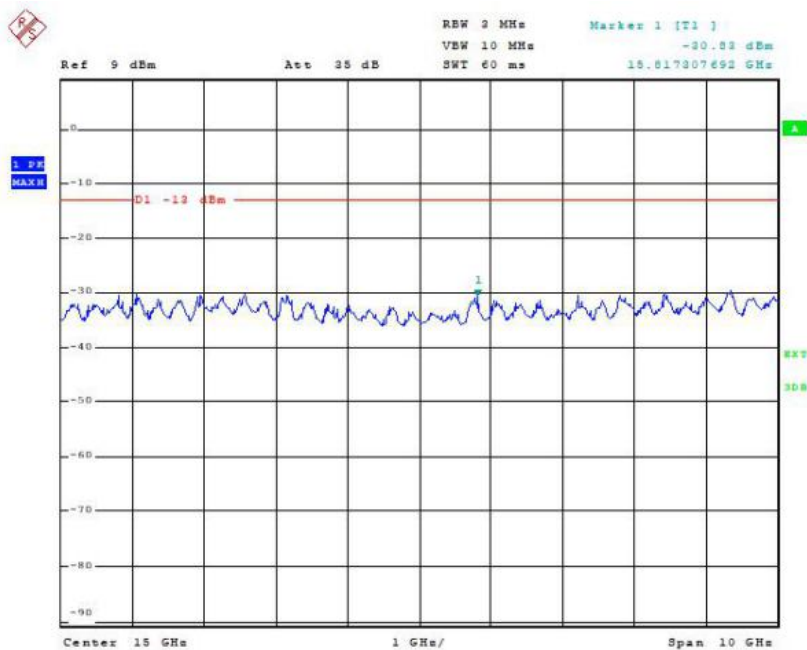
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965      FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 19.DEC.2019 06:33:32

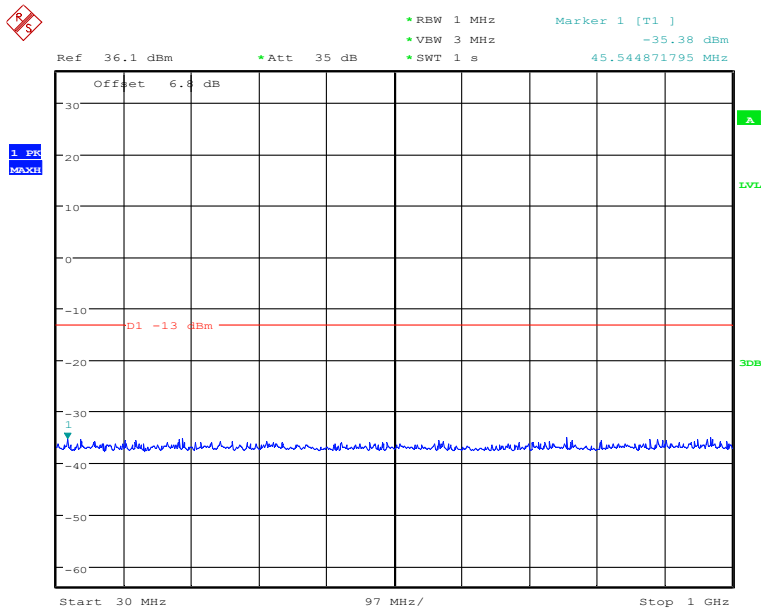
8PSK-Low channel-1850.2 MHz-1GHz to 10GHz  
 Note: The strong emission shown is the carrier signal.



Date: 29.MAY.2020 00:13:11

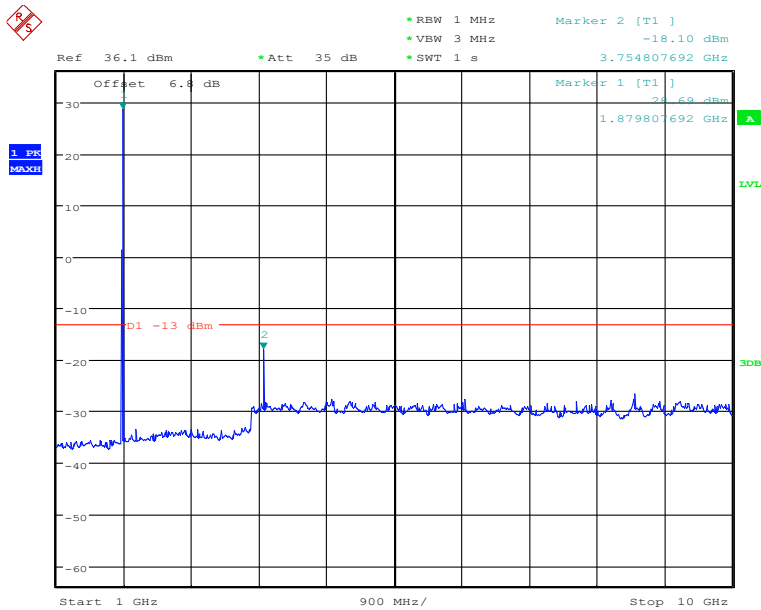
8PSK- Low channel-1850.2 MHz-10GHz to 20GHz

### Report No.: B19W50622-WWAN\_Rev2



Date: 19.DEC.2019 06:31:47

### 8PSK-Middle channel-1880.0 MHz-30MHz to 1GHz



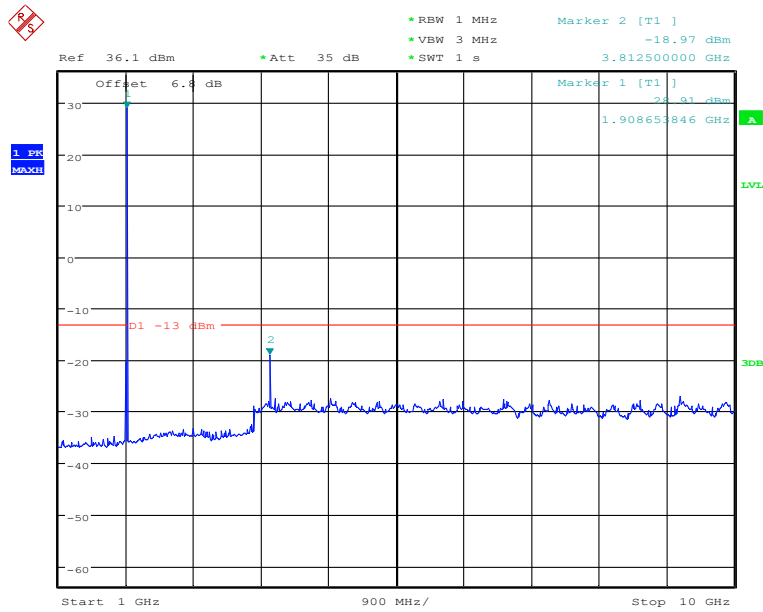
Date: 19.DEC.2019 06:31:27

### 8PSK-Middle channel-1880.0 MHz-1GHz to 10GHz

Note: The strong emission shown is the carrier signal.



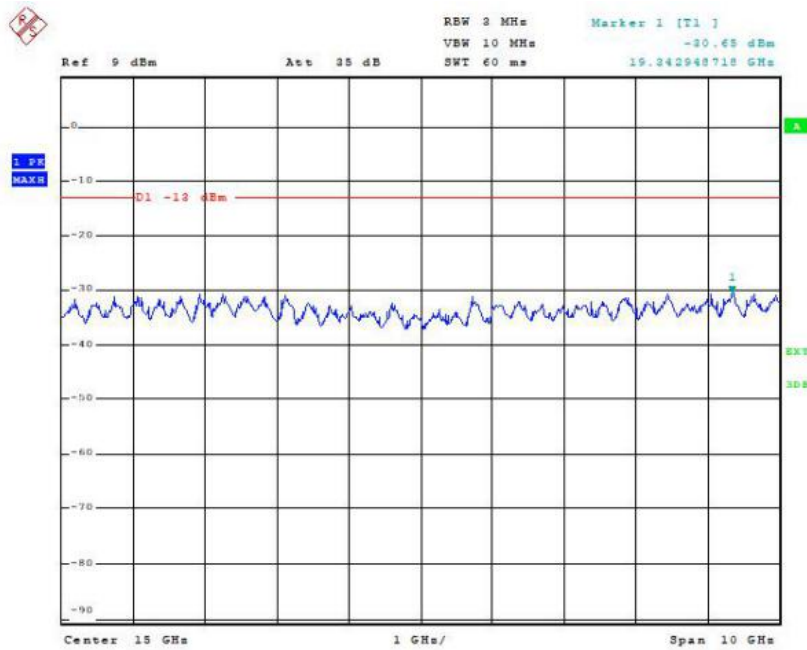
### Report No.: B19W50622-WWAN\_Rev2



Date: 19.DEC.2019 06:30:25

8PSK-High channel-1909.8 MHz-1GHz to 10GHz

Note: The strong emission shown is the carrier signal



Date: 29.MAY.2020 00:12:39

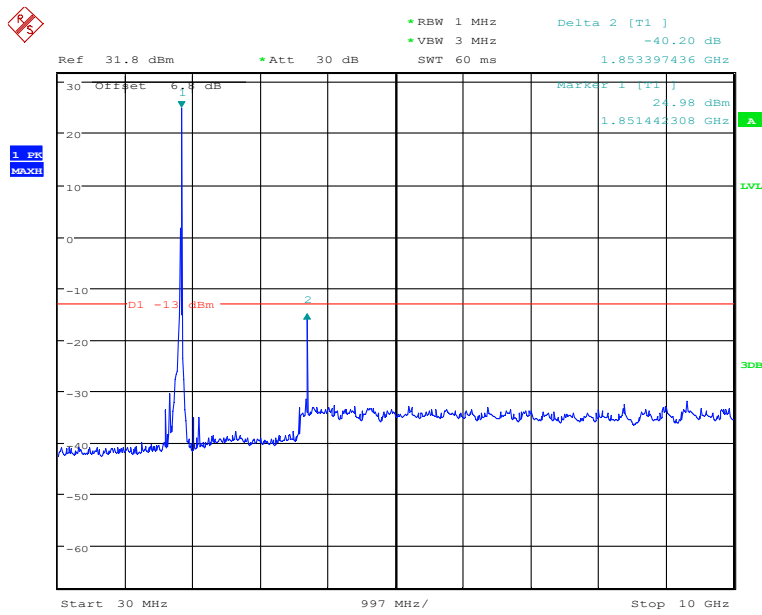
8PSK-High channel-1909.8 MHz-10GHz to 20GHz

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Report No.: B19W50622-WWAN\_Rev2

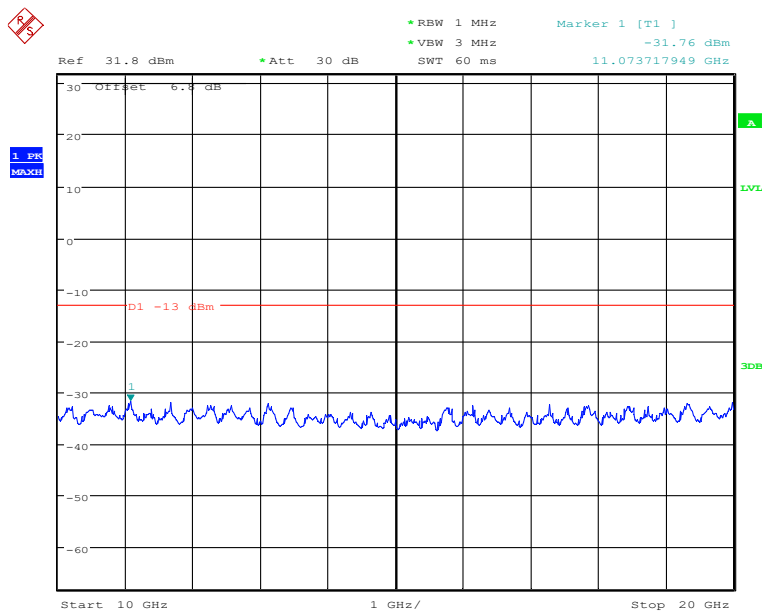
5.3.3 NB-IoT B2 Conducted Spurious Emission Results



Date: 6.DEC.2019 07:24:48

30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

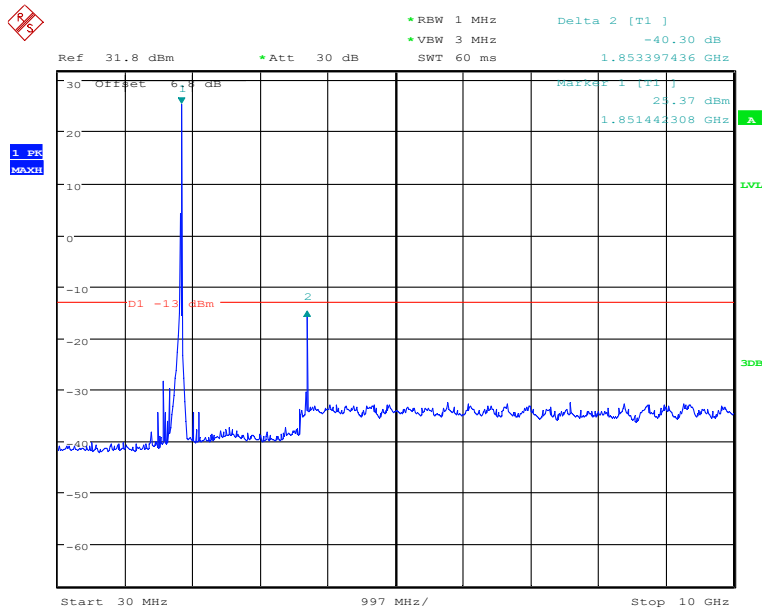
Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 07:25:12

10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

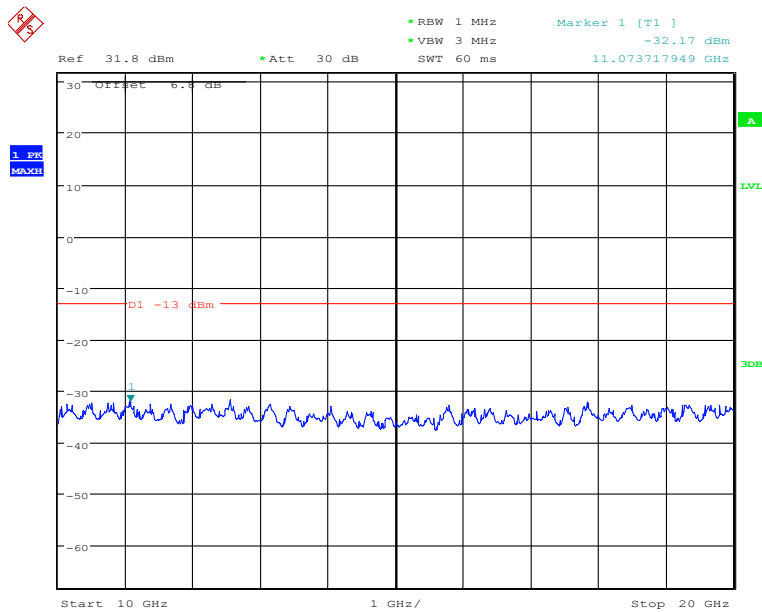
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:23:41

30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



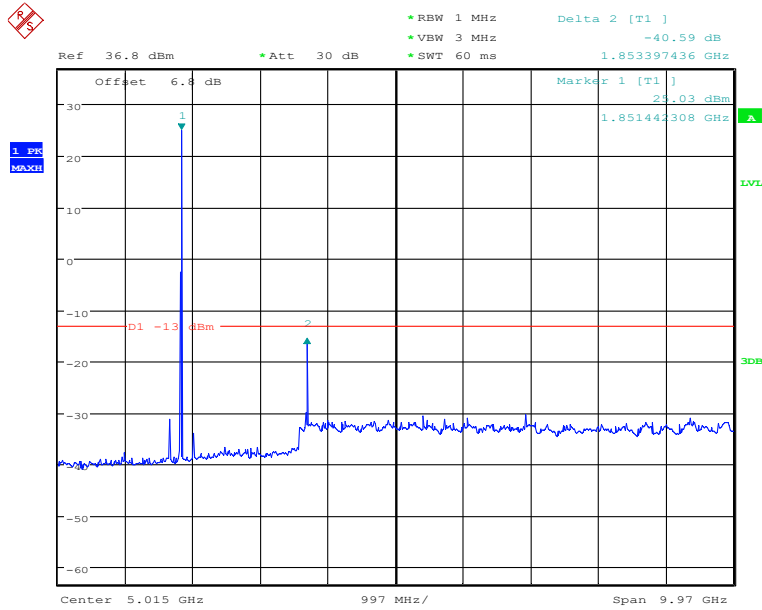
Date: 6.DEC.2019 07:24:03

10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

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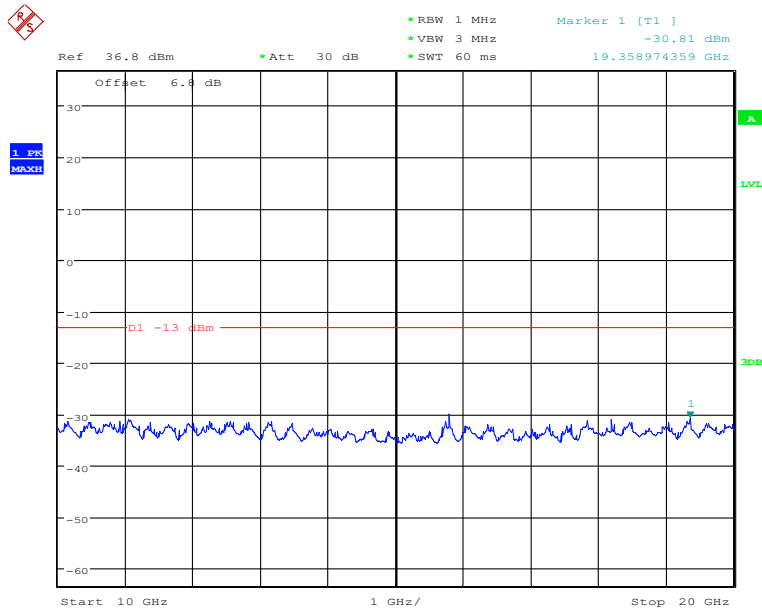
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 06:57:31

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 06:58:06

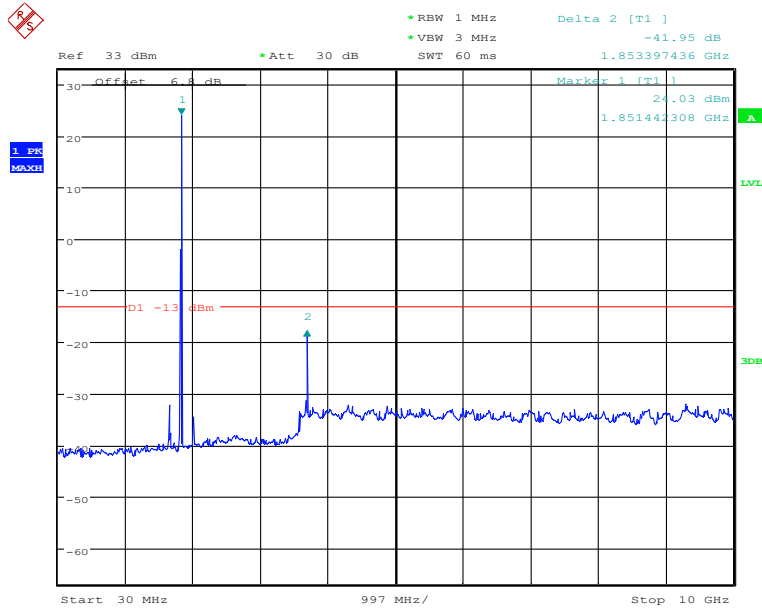
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

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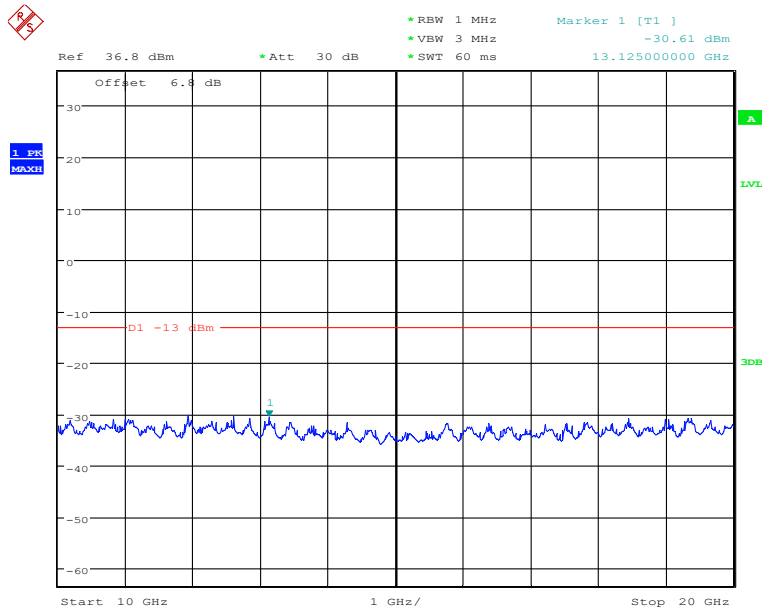
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:30:12

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



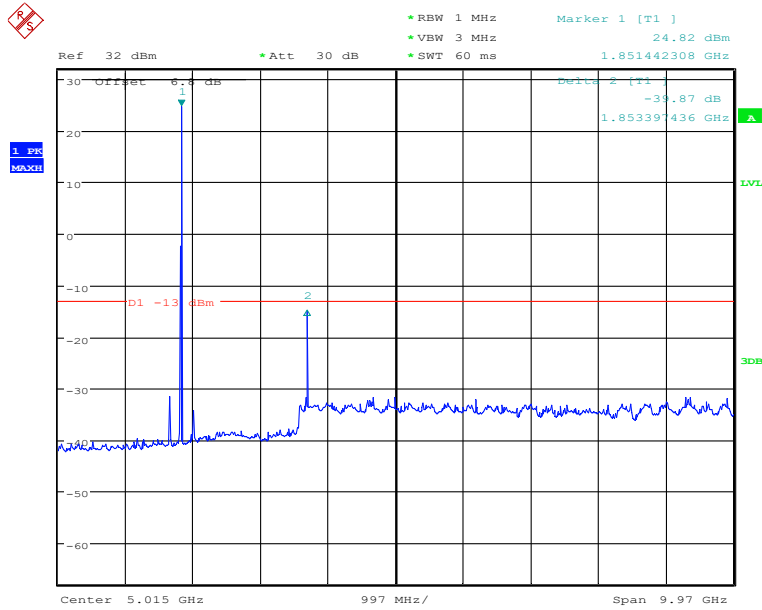
Date: 6.DEC.2019 07:02:07

10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

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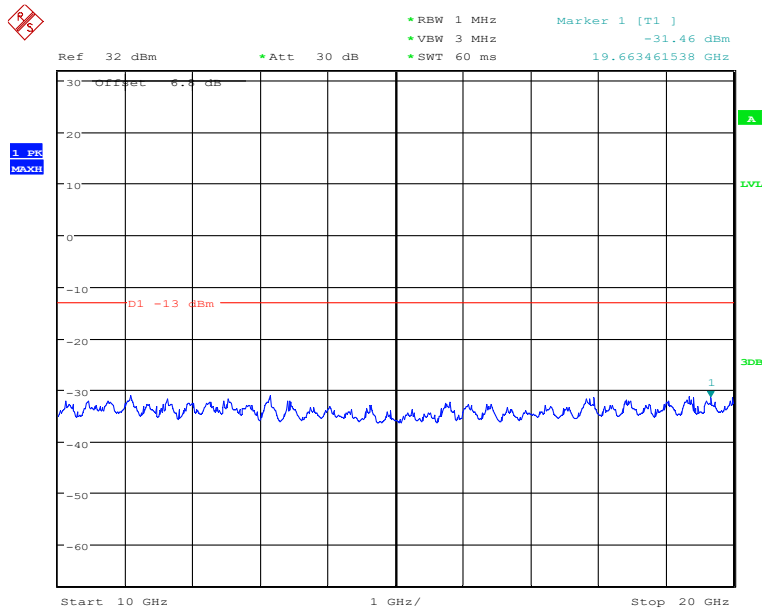
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:04:51

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



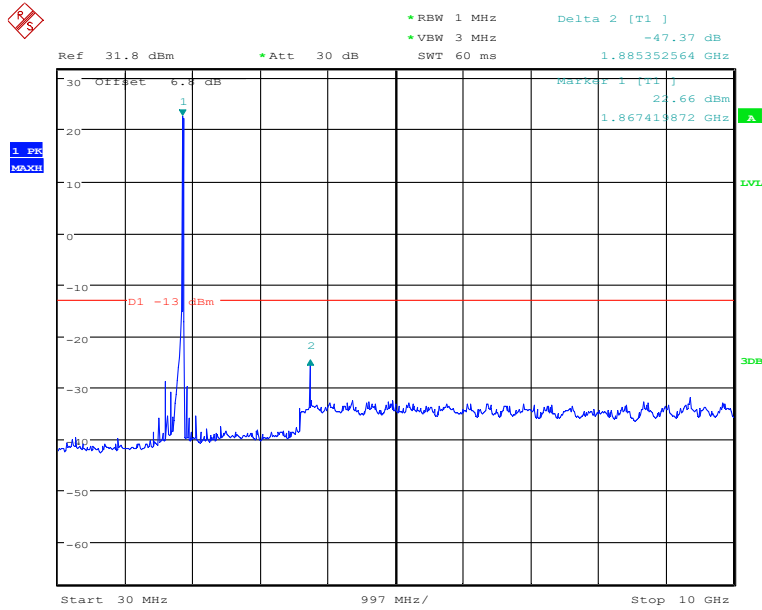
Date: 6.DEC.2019 07:06:47

10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

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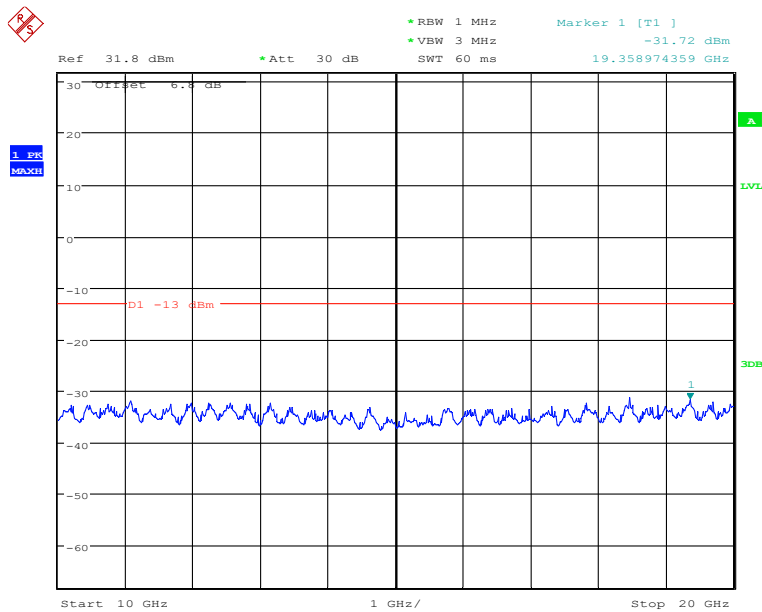
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:30:21

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

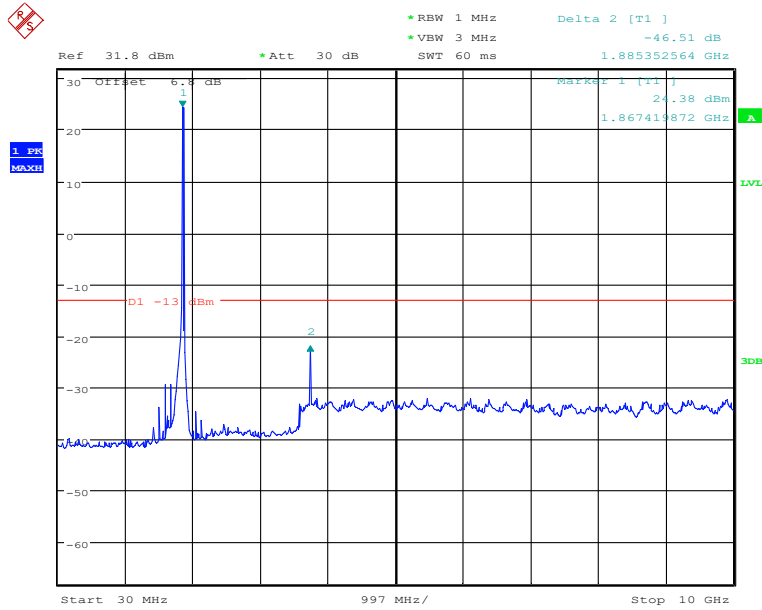
Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 07:30:42

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

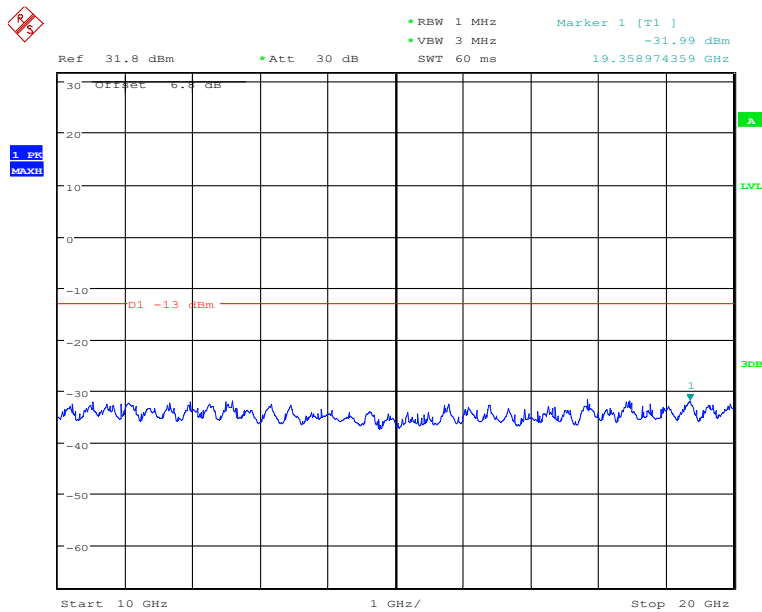
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:29:00

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



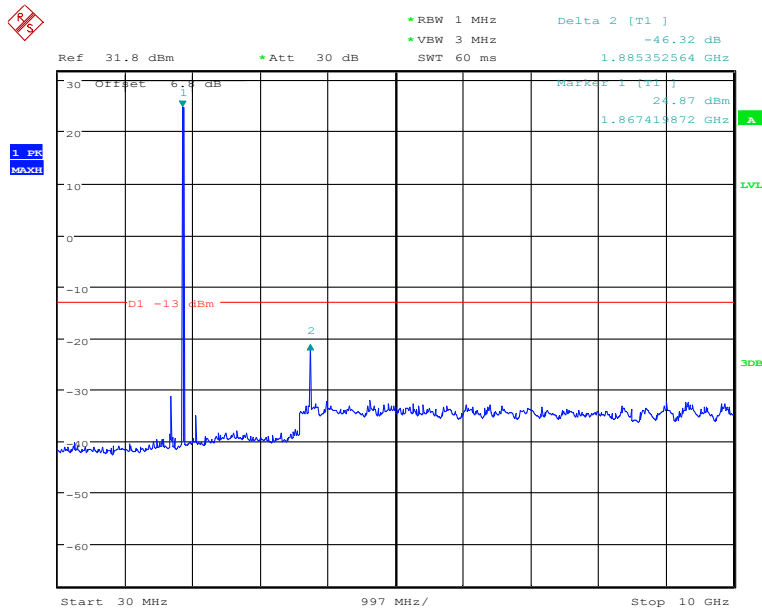
Date: 6.DEC.2019 07:29:27

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

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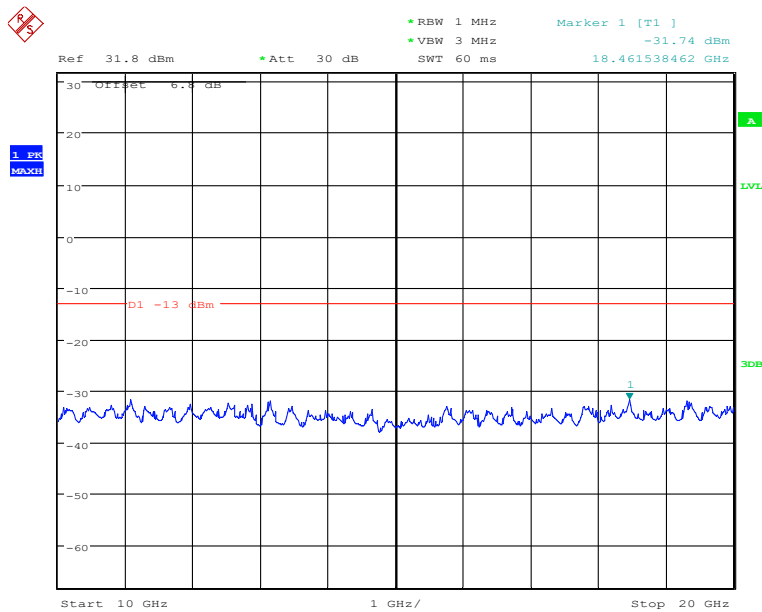
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:33:24

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



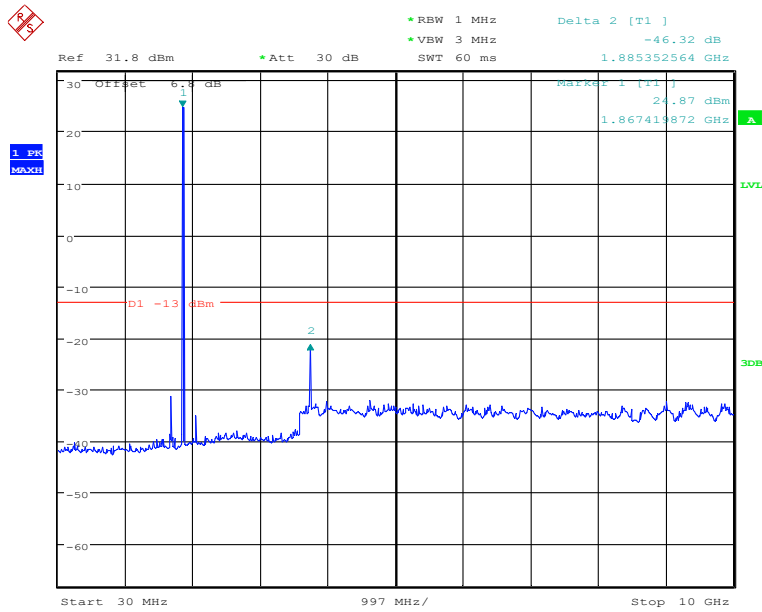
Date: 6.DEC.2019 07:33:42

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

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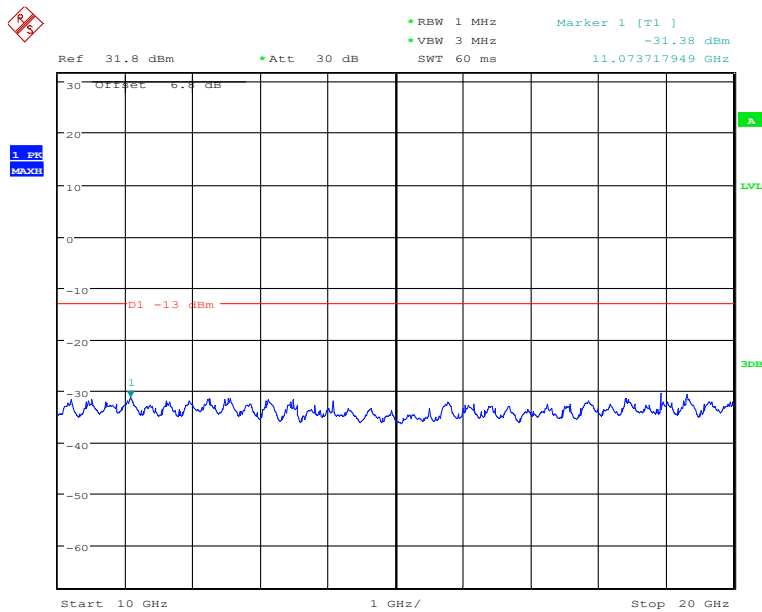
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:33:24

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



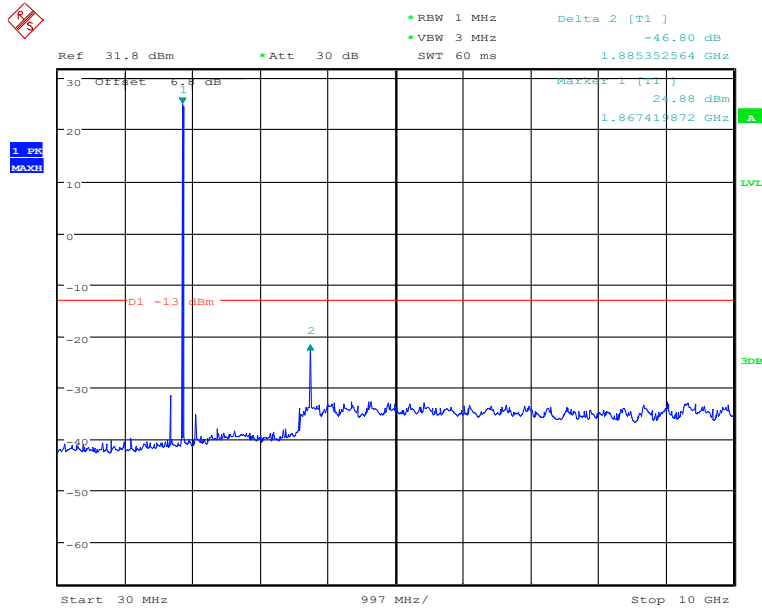
Date: 6.DEC.2019 07:38:00

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

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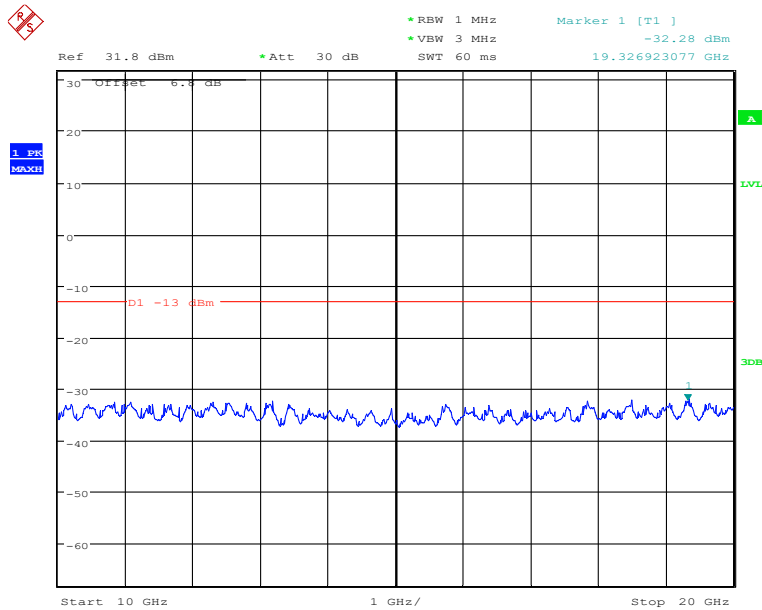
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:35:17

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



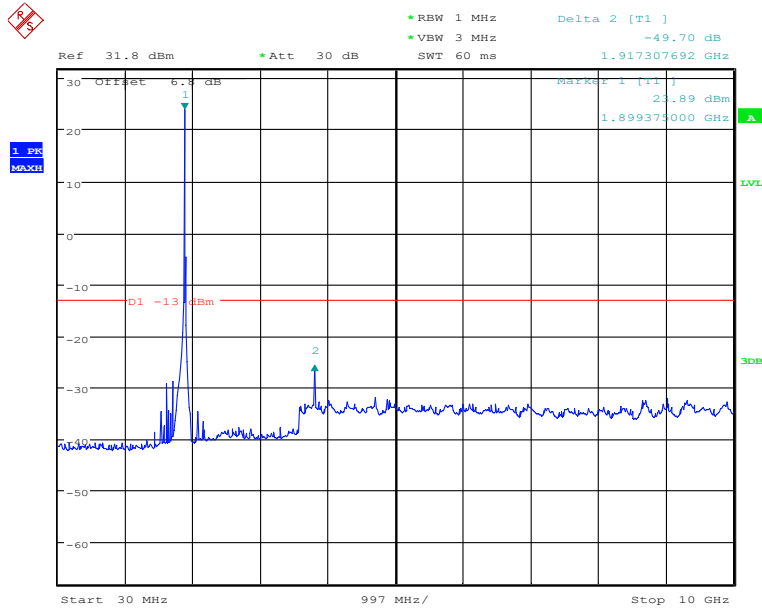
Date: 6.DEC.2019 07:35:36

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

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 Tel: 0086-23-88069965      FAX:0086-23-88608777

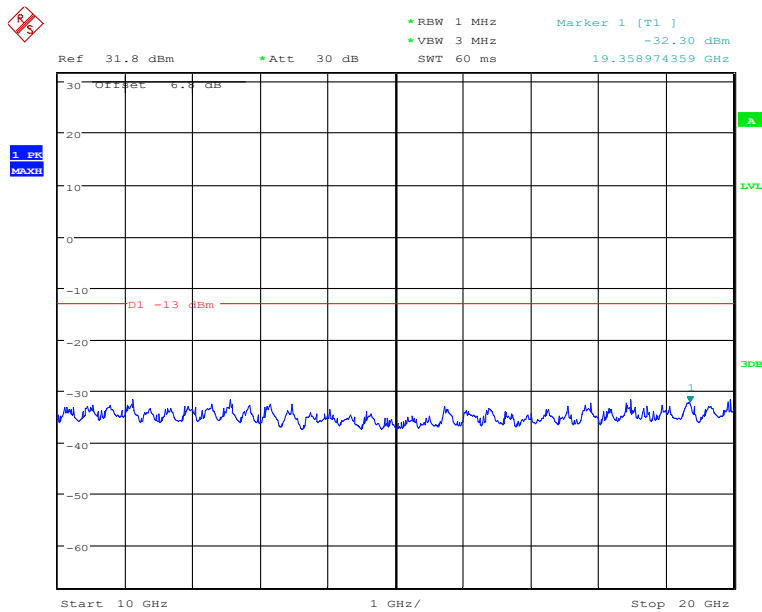
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:43:42

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 07:43:57

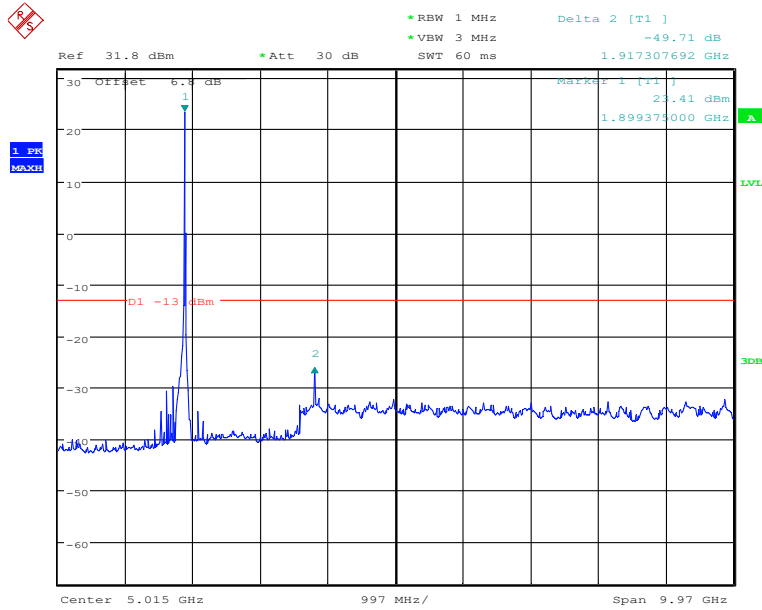
10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

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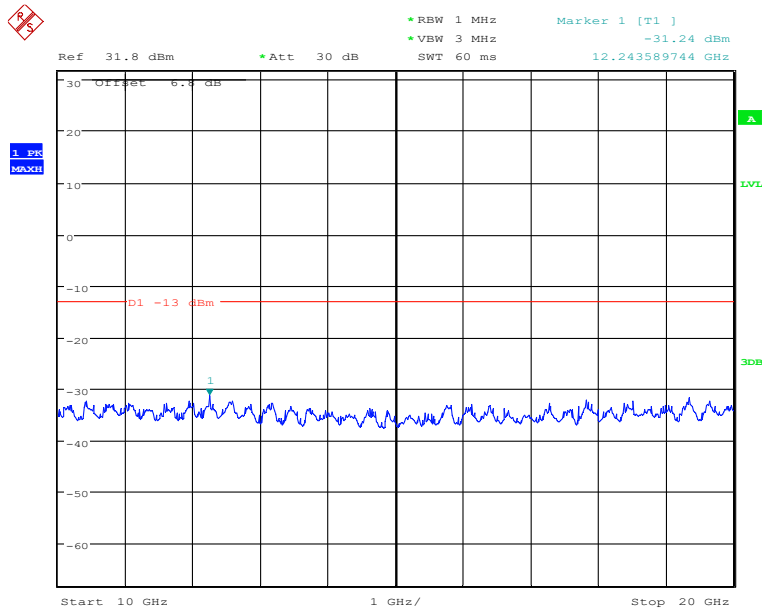
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:45:03

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



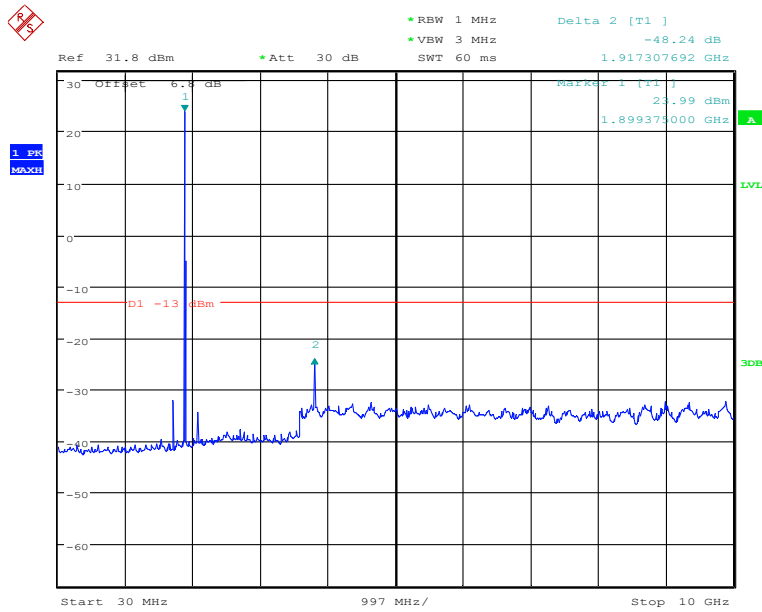
Date: 6.DEC.2019 07:45:21

10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

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Tel: 0086-23-88069965 FAX:0086-23-88608777

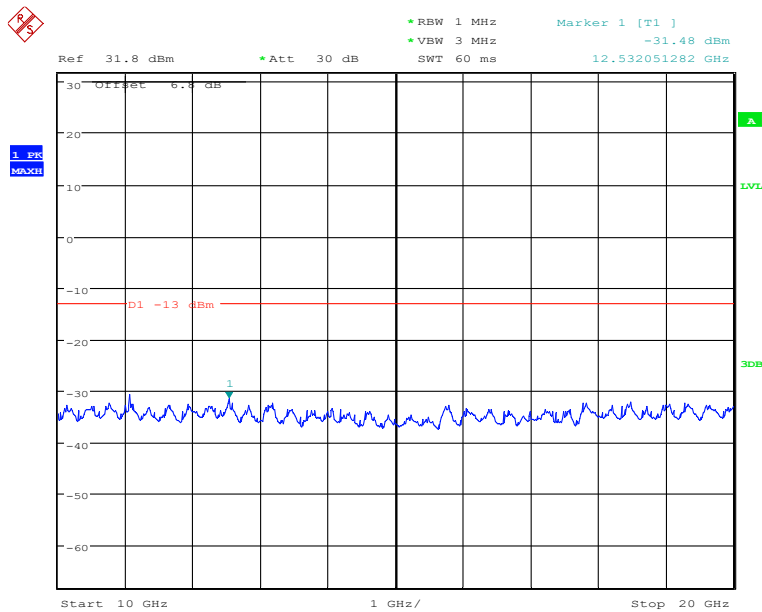
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:40:15

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



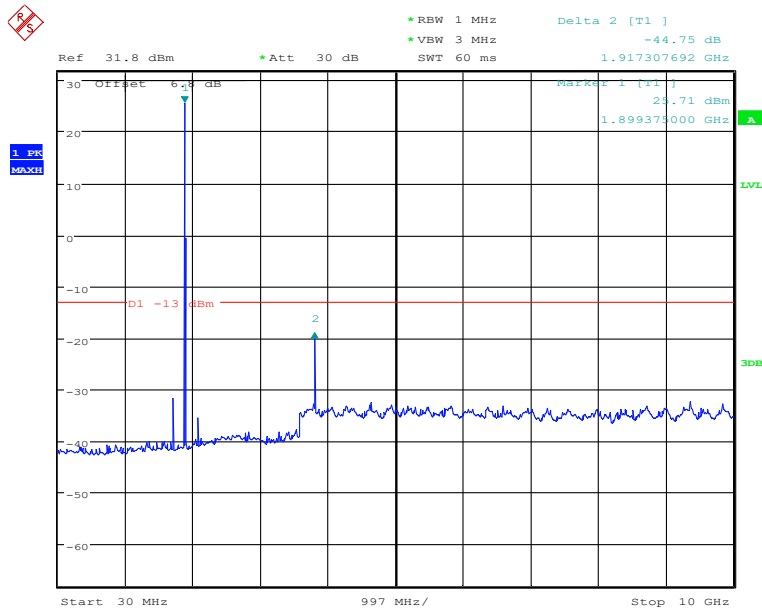
Date: 6.DEC.2019 07:40:36

10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

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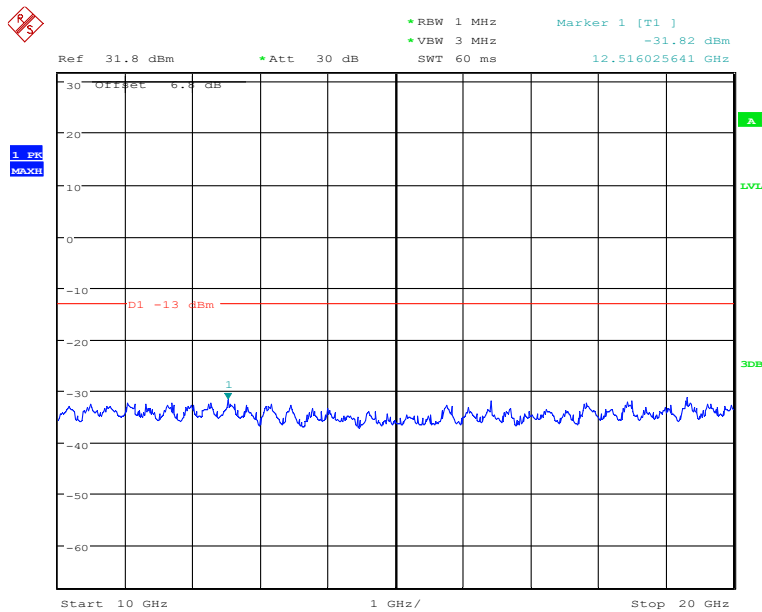
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:41:13

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

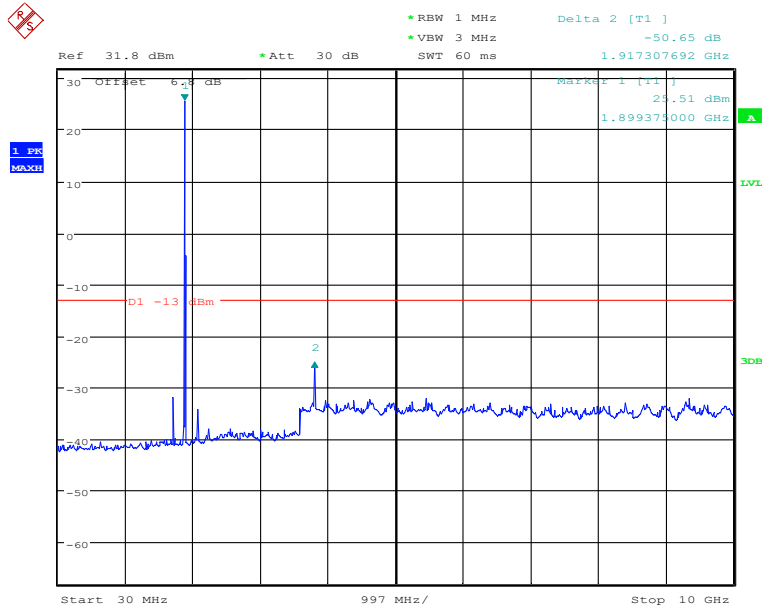
Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 07:41:39

10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

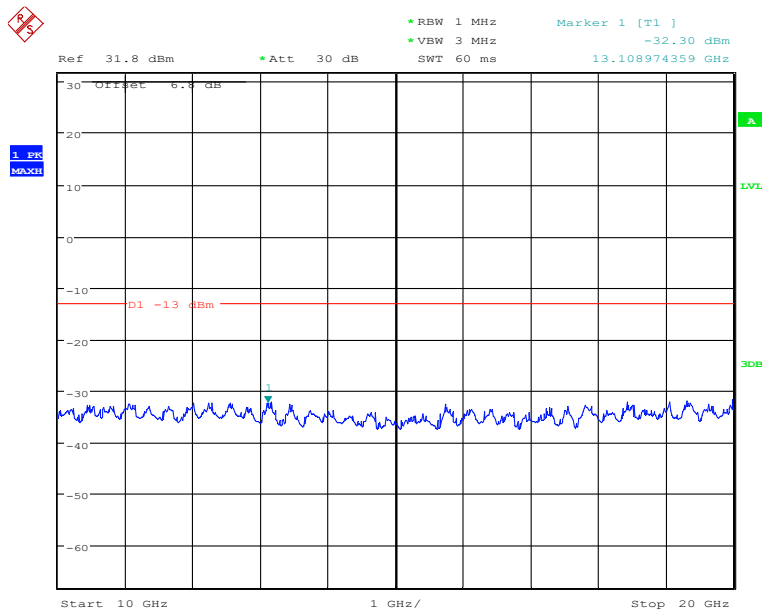
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 07:39:00

30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 07:39:24

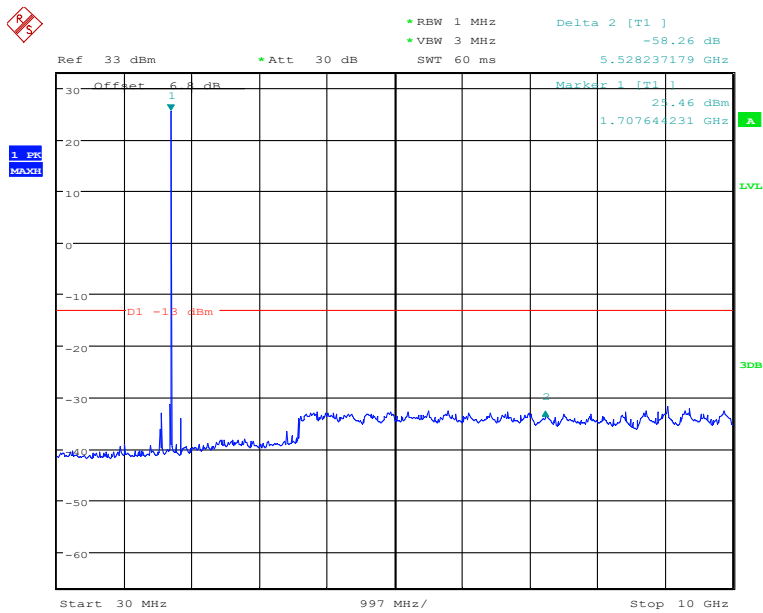
10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

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### Report No.: B19W50622-WWAN\_Rev2

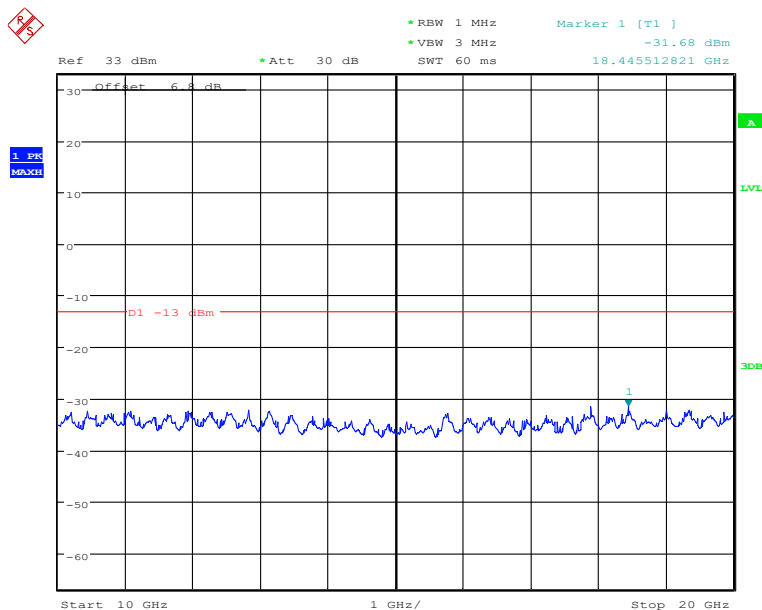
#### 5.3.4 NB-IoT B4 Conducted Spurious Emission Results



Date: 6.DEC.2019 10:36:20

30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



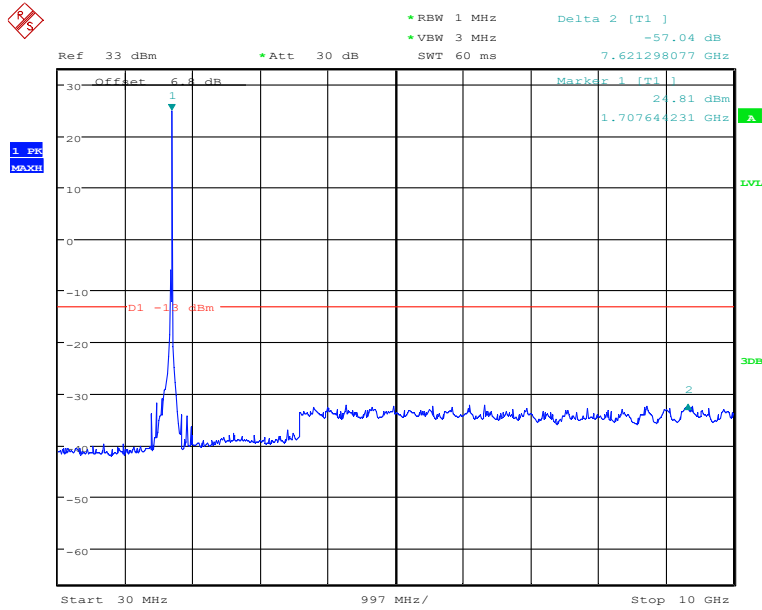
Date: 6.DEC.2019 08:05:28

10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

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Tel: 0086-23-88069965 FAX:0086-23-88608777

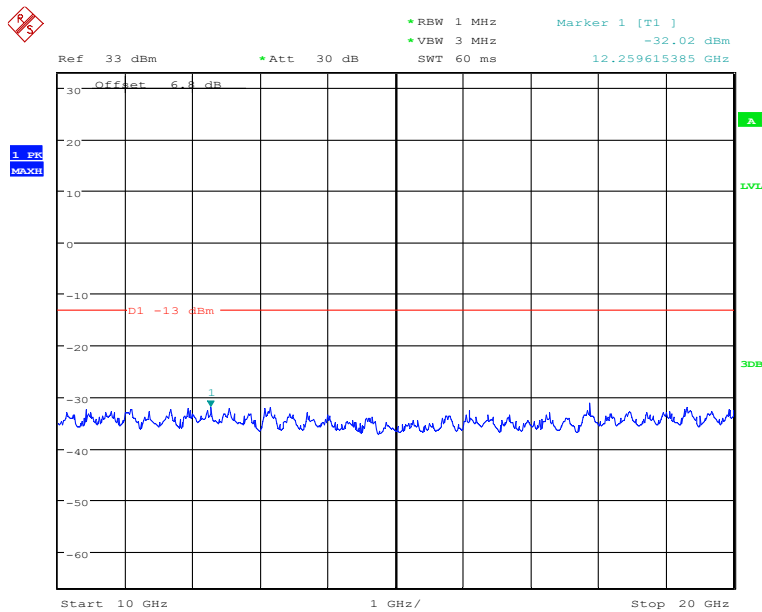
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 08:03:49

30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



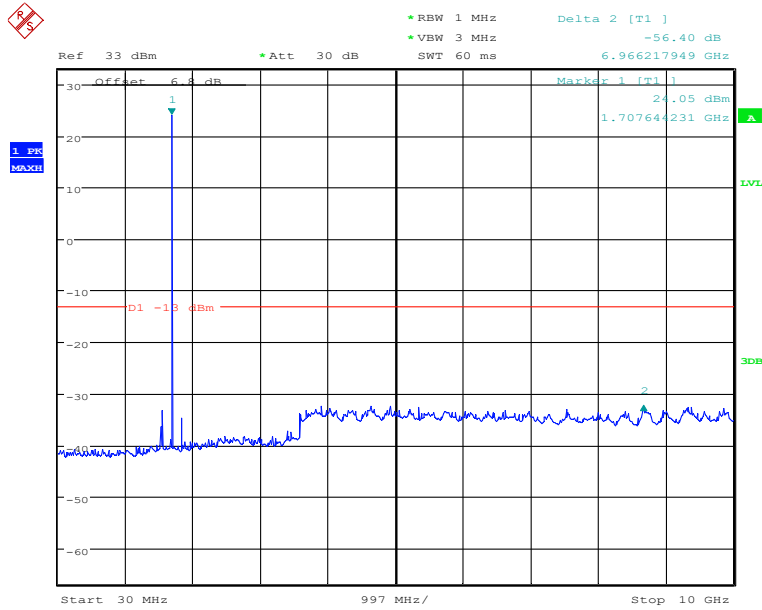
Date: 6.DEC.2019 08:04:16

10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

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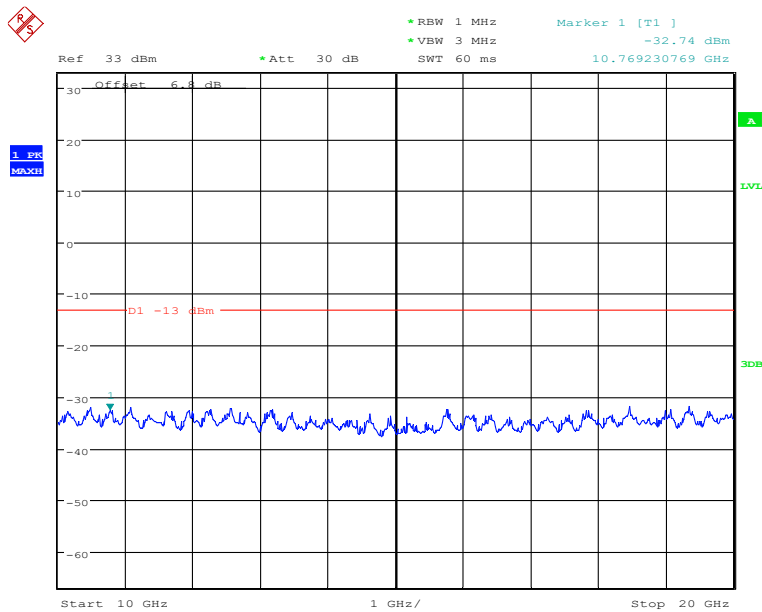
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 08:07:20

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



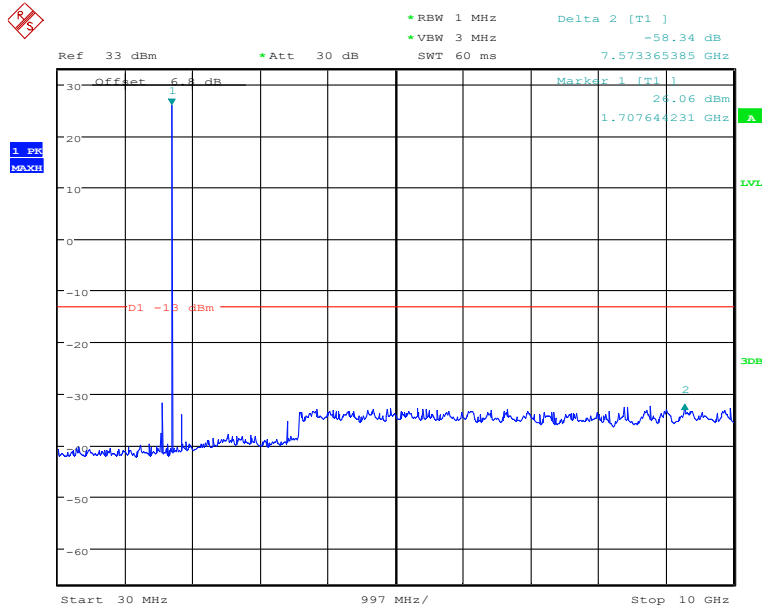
Date: 6.DEC.2019 08:07:36

10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

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 Tel: 0086-23-88069965      FAX:0086-23-88608777

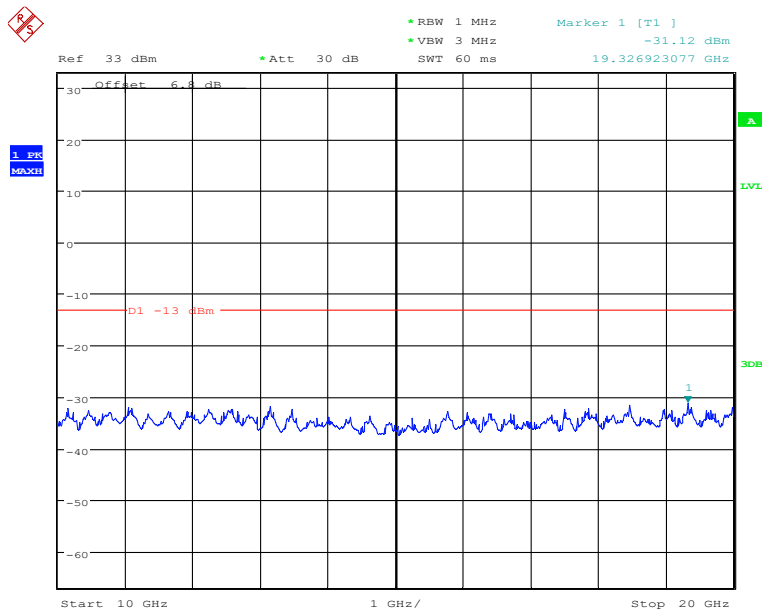
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 08:08:19

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 08:08:39

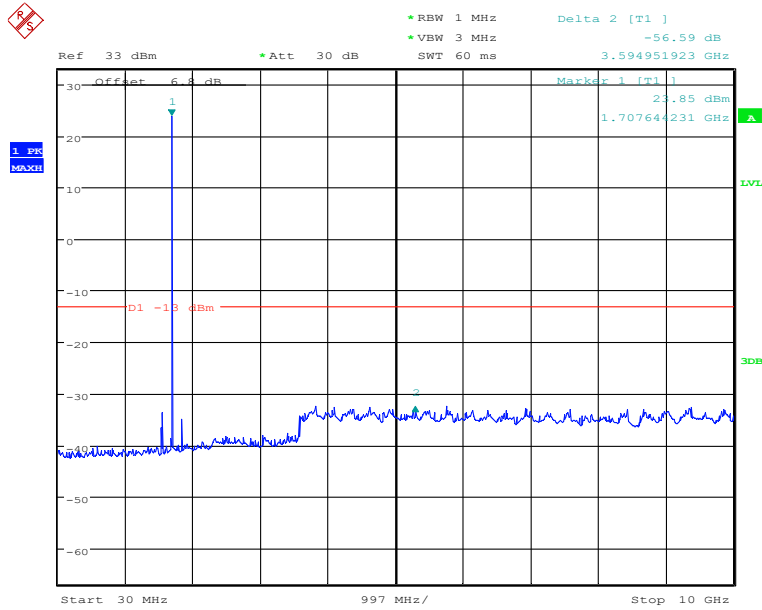
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

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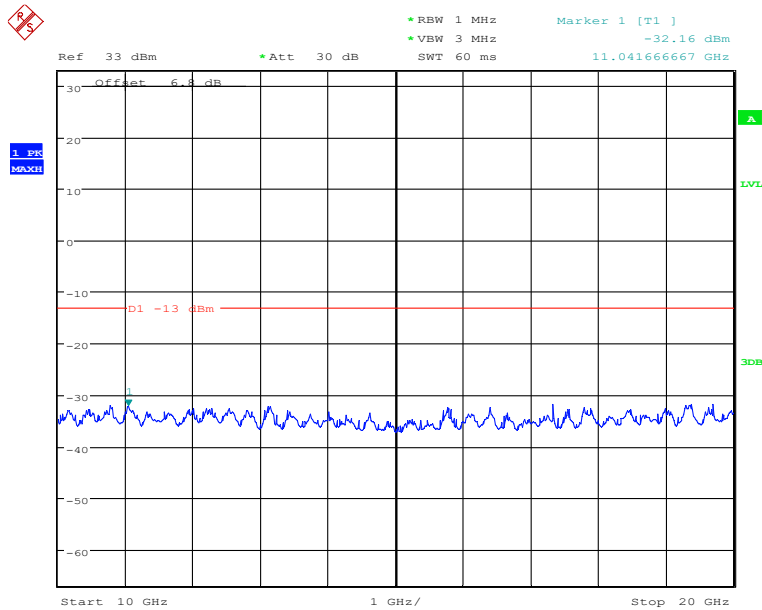
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 08:09:18

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



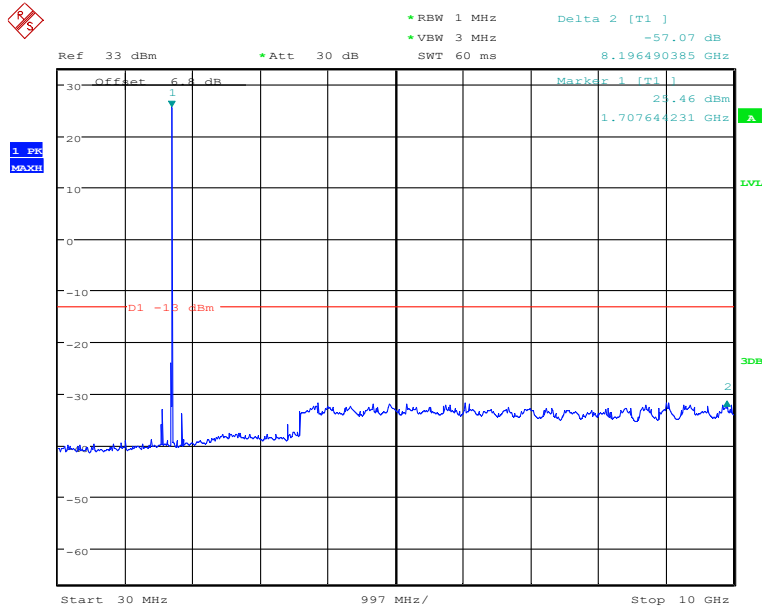
Date: 6.DEC.2019 08:09:38

10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

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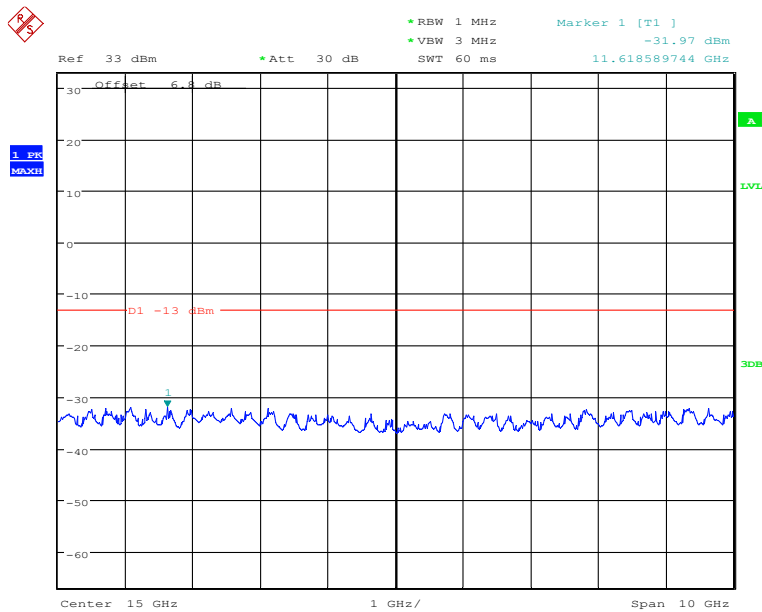
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:39:43

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



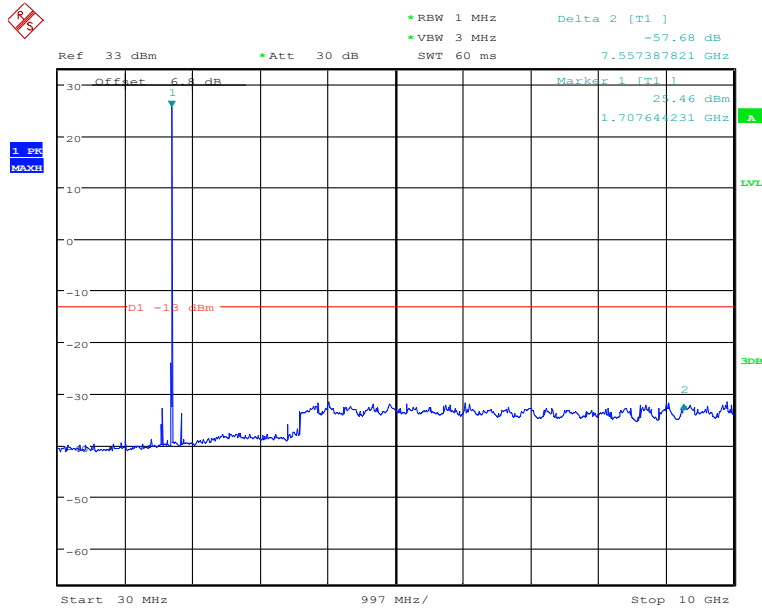
Date: 6.DEC.2019 08:21:01

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

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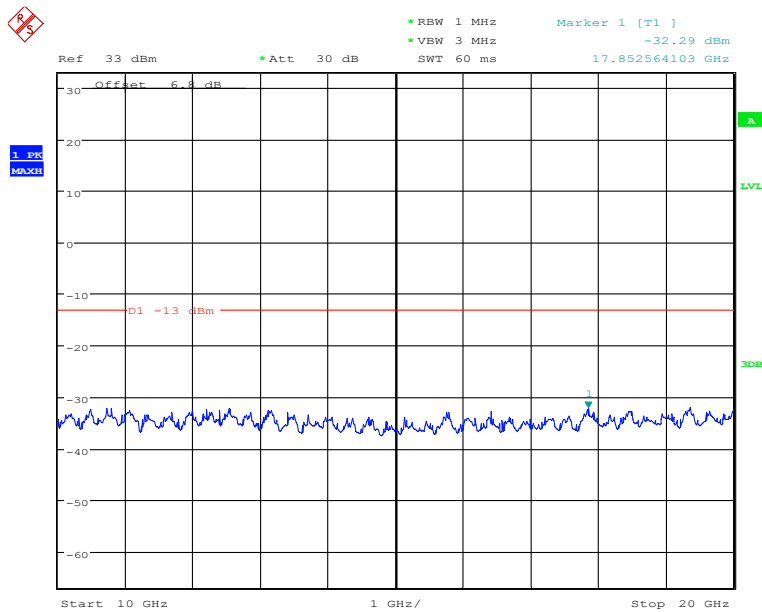
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:40:22

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



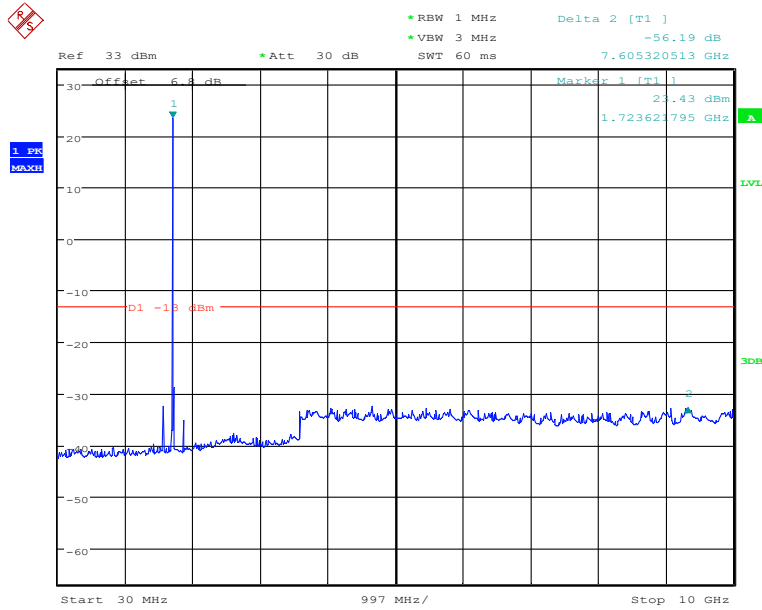
Date: 6.DEC.2019 08:21:54

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

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Tel: 0086-23-88069965 FAX:0086-23-88608777

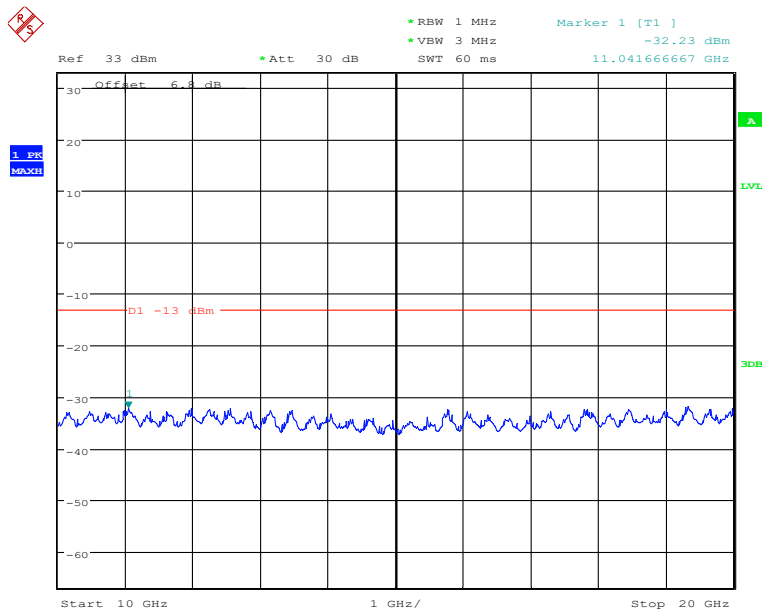
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 08:13:25

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



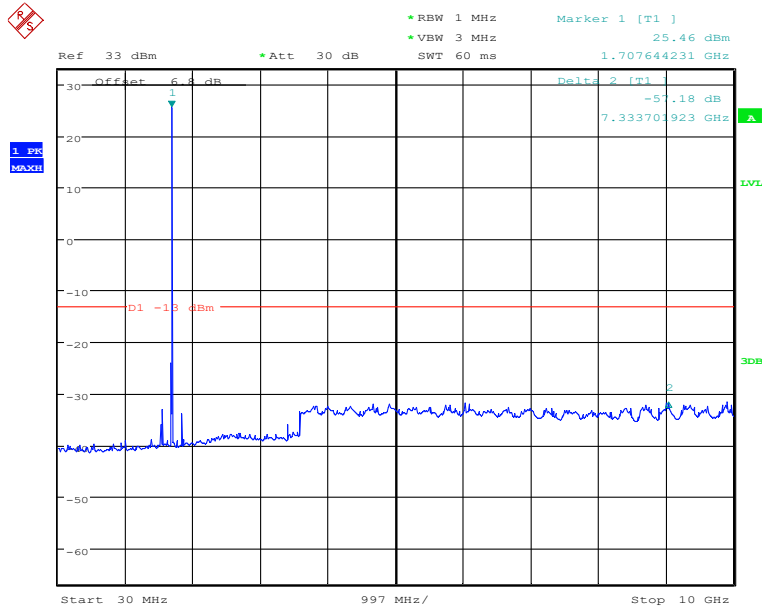
Date: 6.DEC.2019 08:13:44

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

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 Tel: 0086-23-88069965      FAX:0086-23-88608777

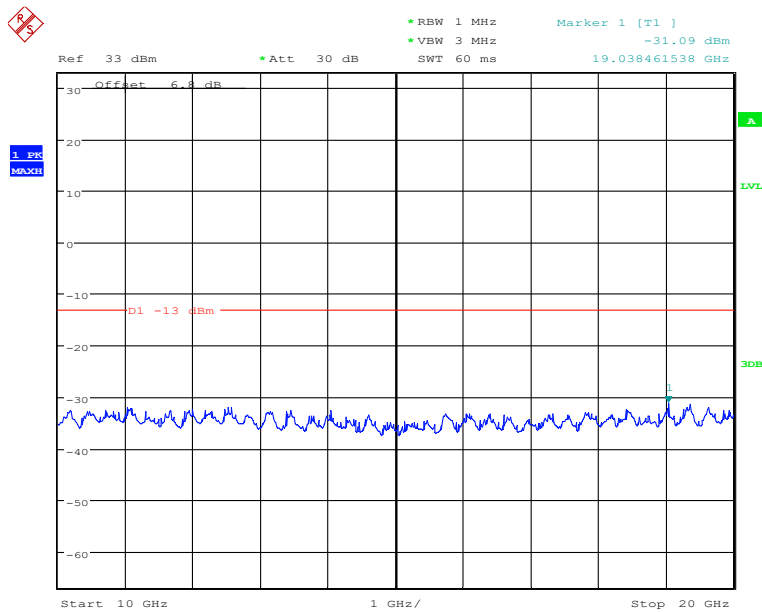
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:39:15

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



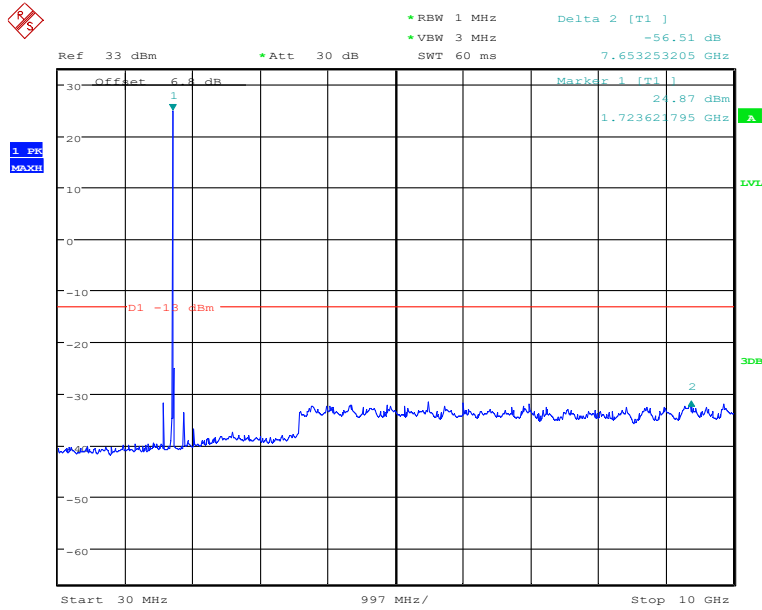
Date: 6.DEC.2019 08:16:35

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

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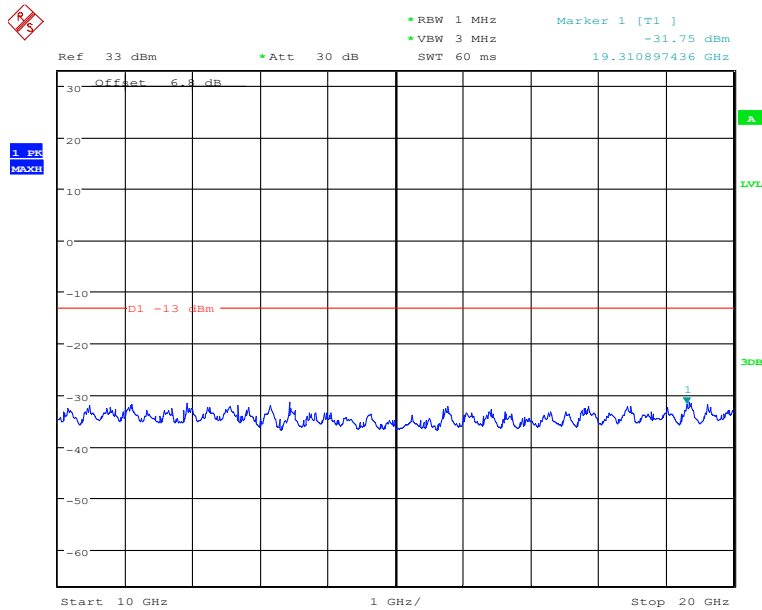
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 08:12:12

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



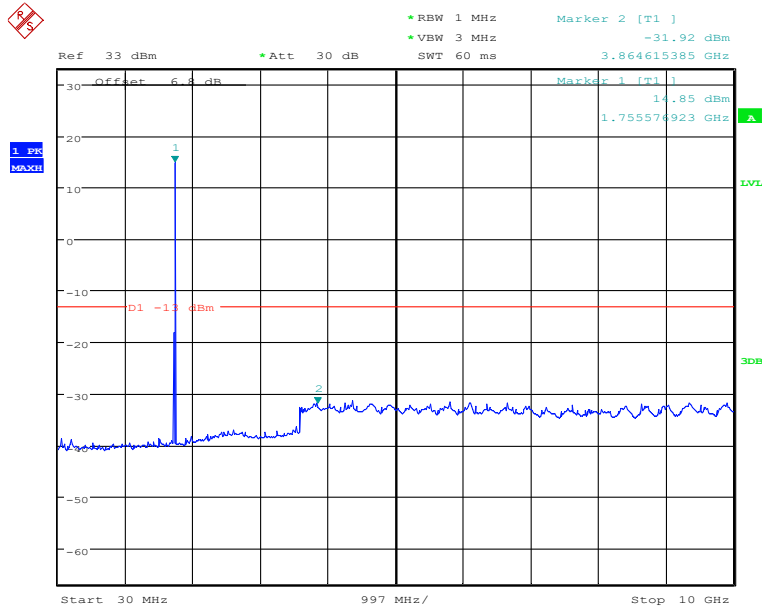
Date: 6.DEC.2019 08:12:39

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

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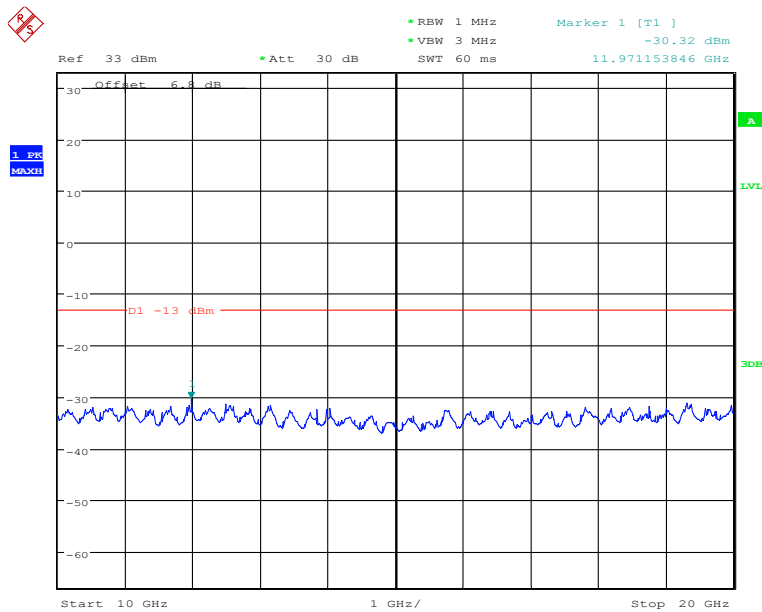
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:28:15

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



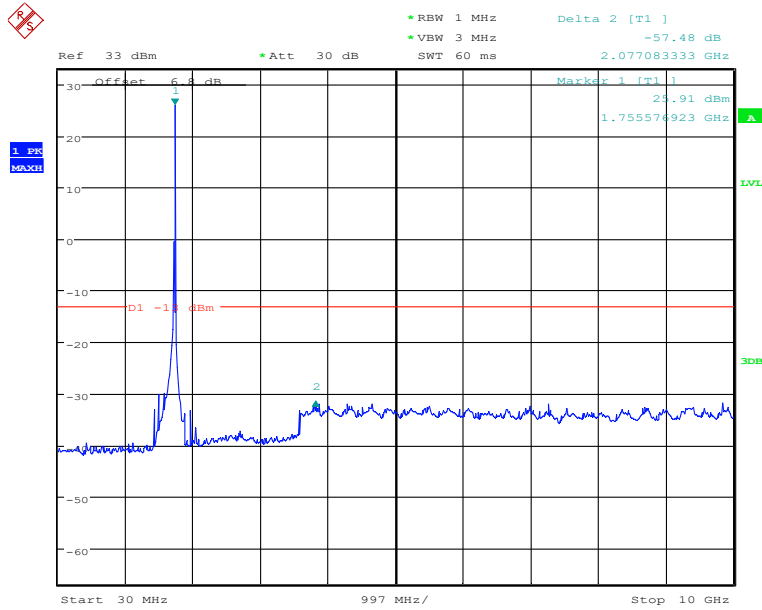
Date: 6.DEC.2019 10:10:53

10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

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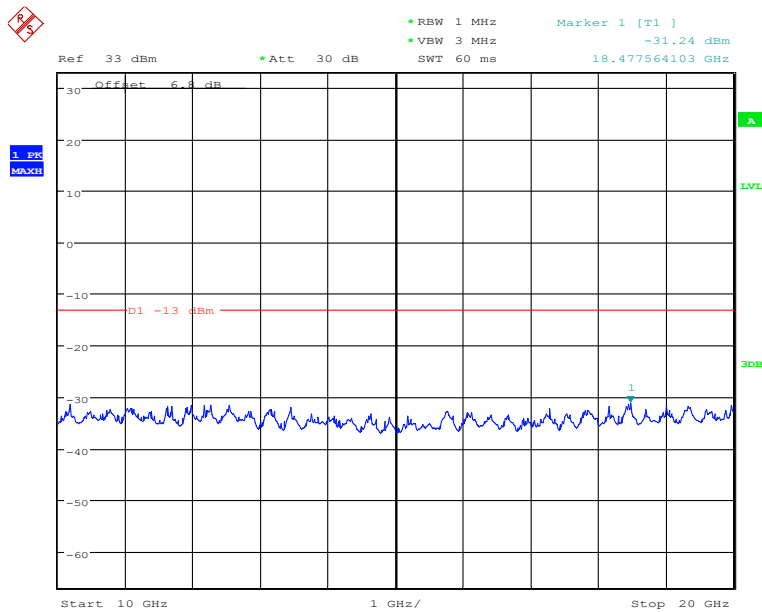
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:06:57

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 10:07:34

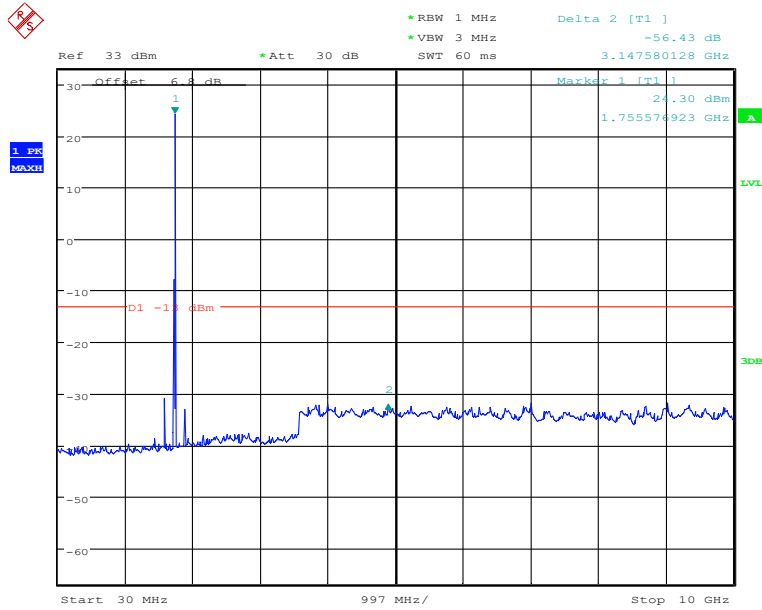
10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

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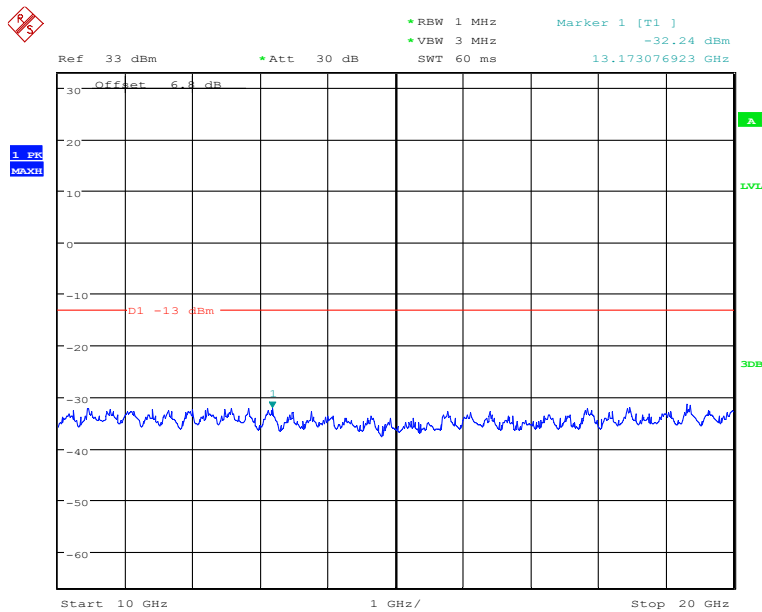
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:52:19

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



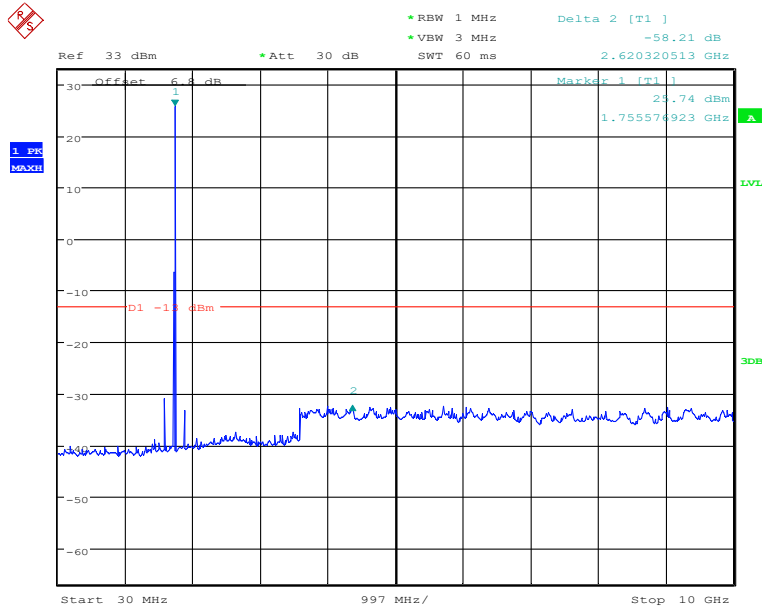
Date: 6.DEC.2019 10:52:40

10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

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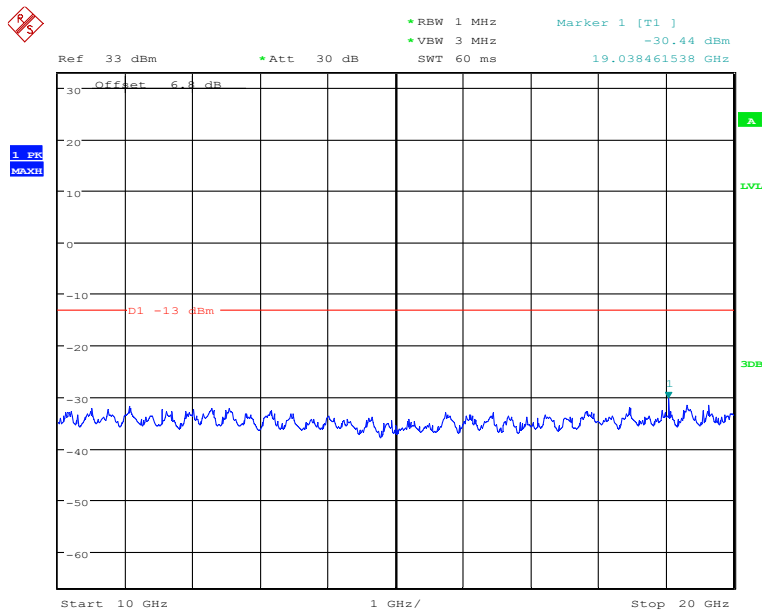
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:53:41

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

Note: The strong emission shown in each case is the carrier signal.



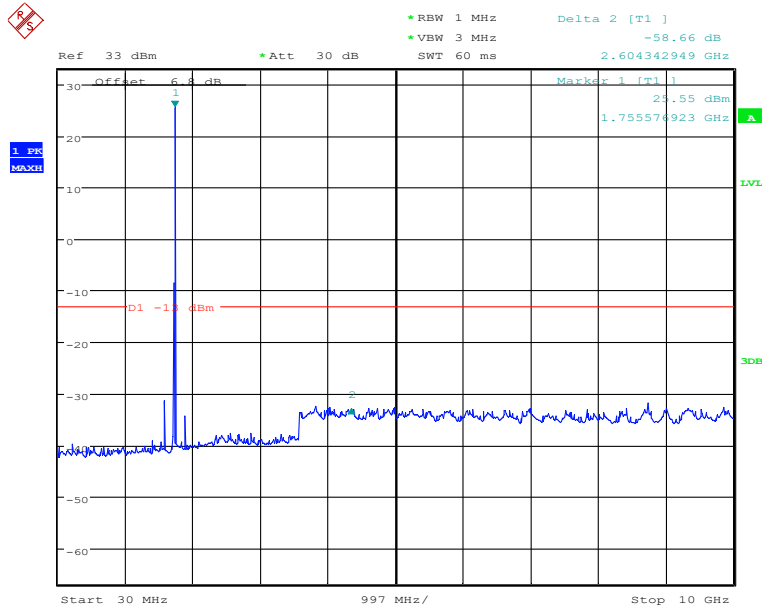
Date: 6.DEC.2019 10:53:56

10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

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 Tel: 0086-23-88069965      FAX:0086-23-88608777

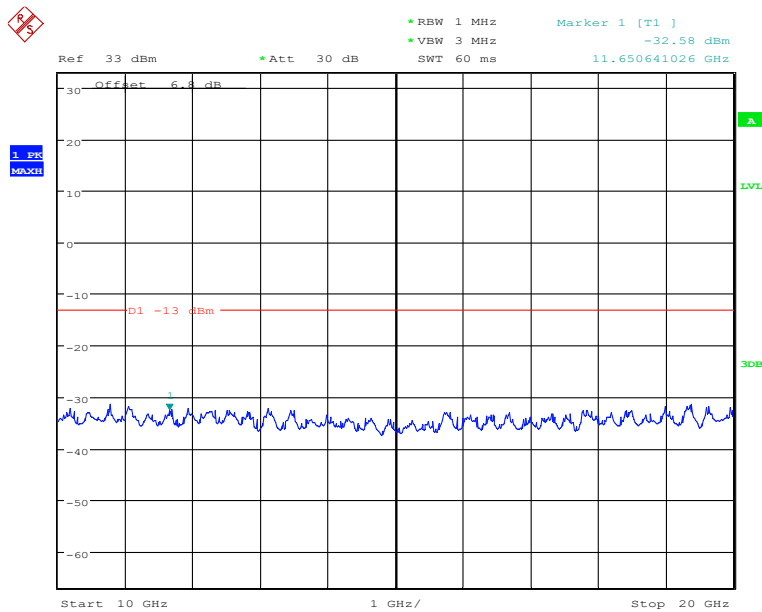
### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 10:54:46

30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

Note: The strong emission shown in each case is the carrier signal.



Date: 6.DEC.2019 10:55:04

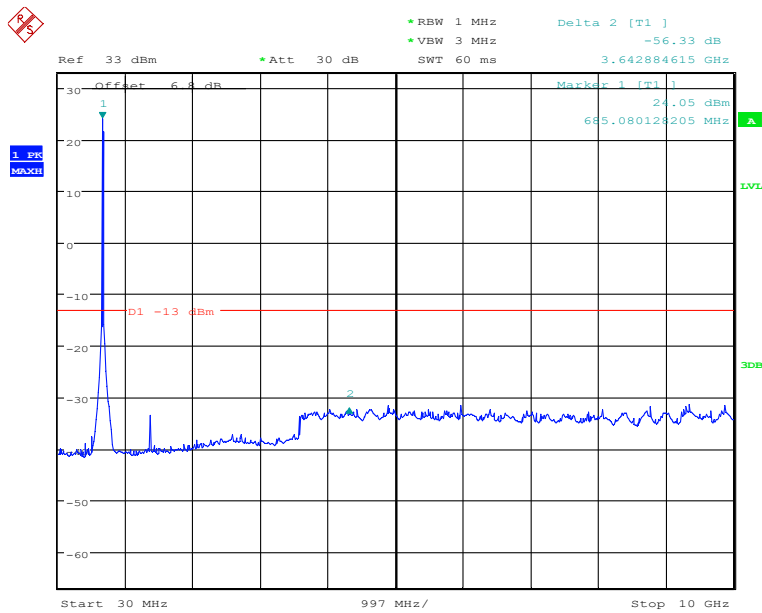
10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

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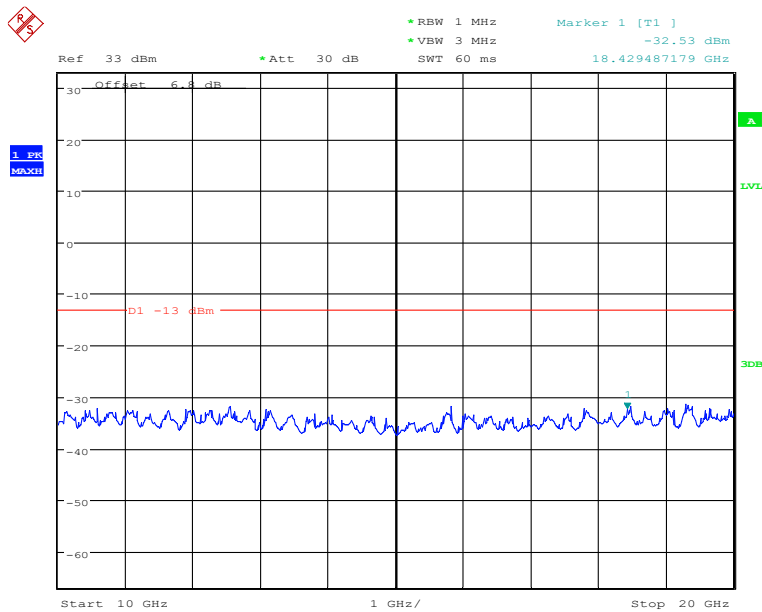
### Report No.: B19W50622-WWAN\_Rev2

### 5.3.5 NB-IoT B12 Conducted Spurious Emission Results



Date: 6.DEC.2019 11:06:35

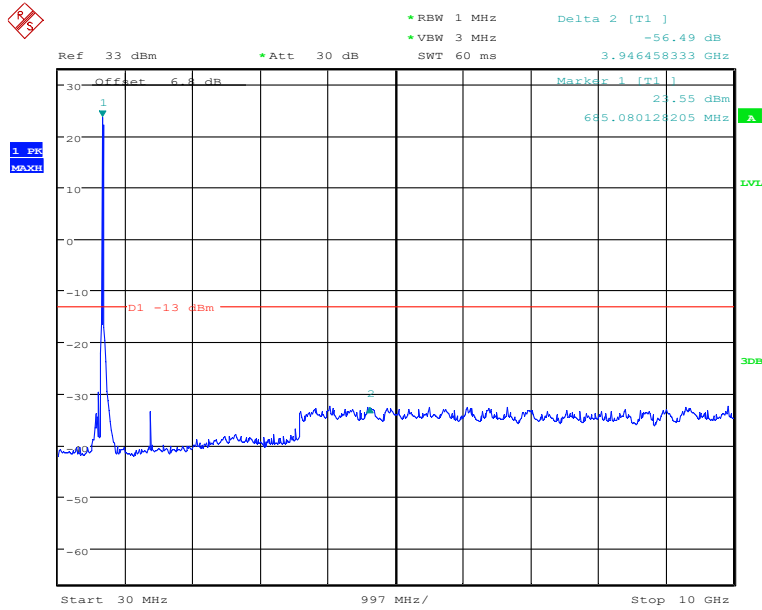
30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 6.DEC.2019 11:06:50

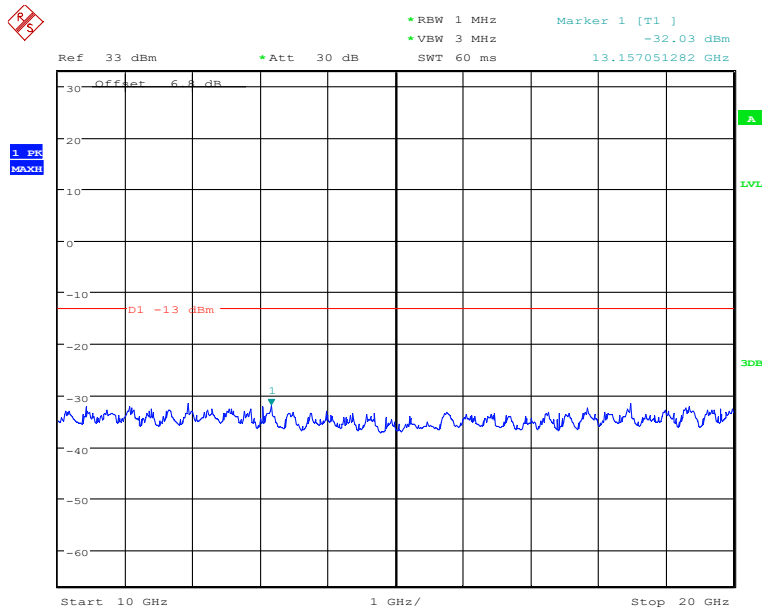
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:07:33

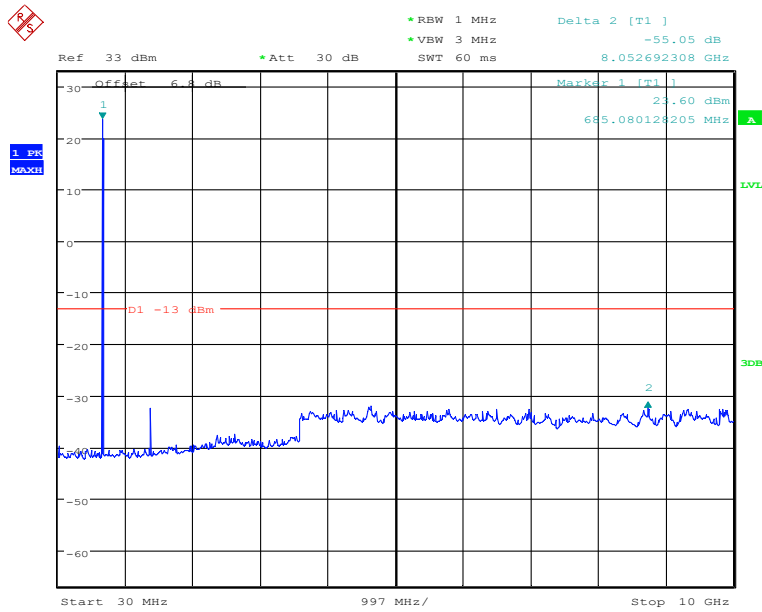
30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0



Date: 6.DEC.2019 11:07:48

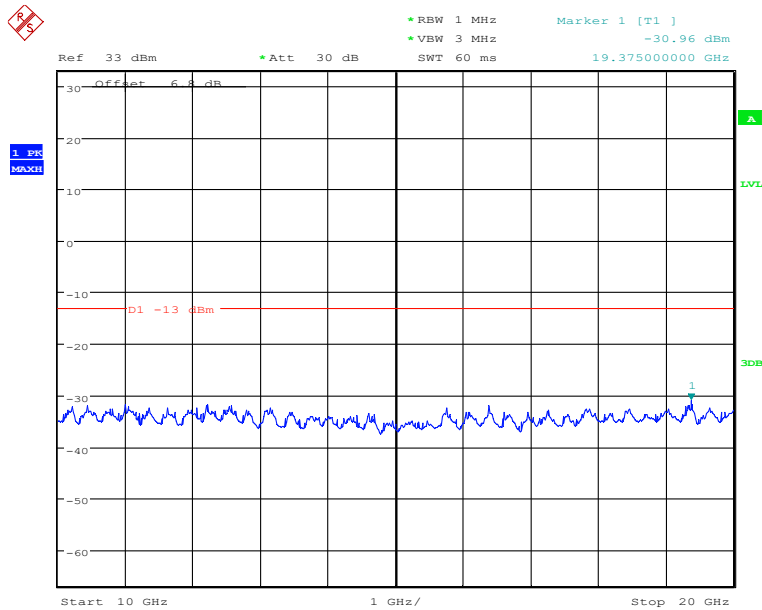
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:02:42

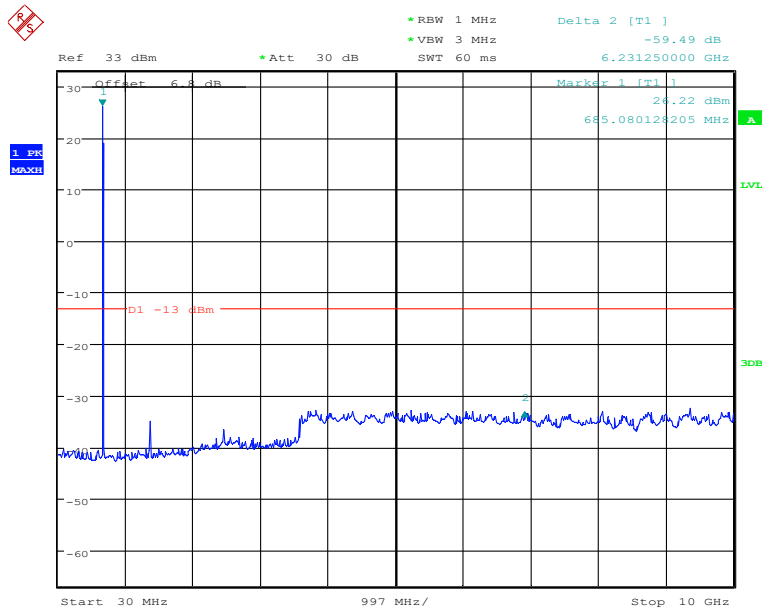
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 6.DEC.2019 11:03:04

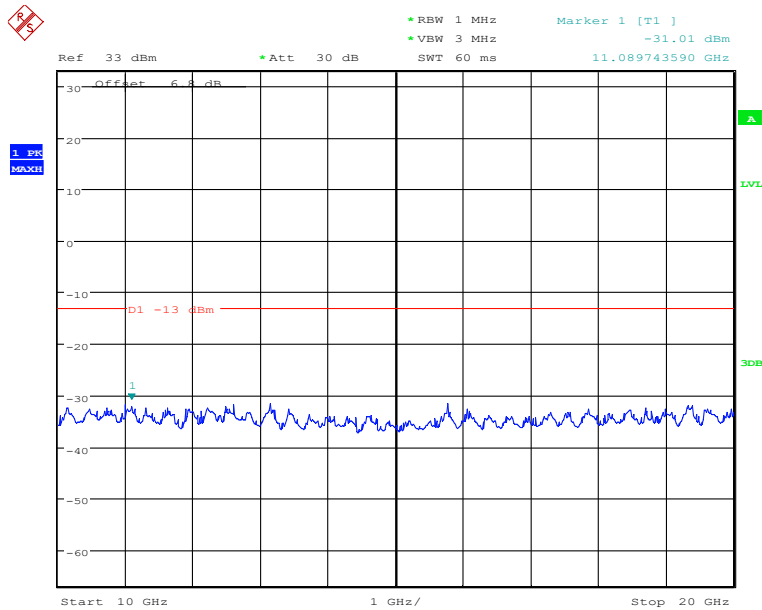
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:03:38

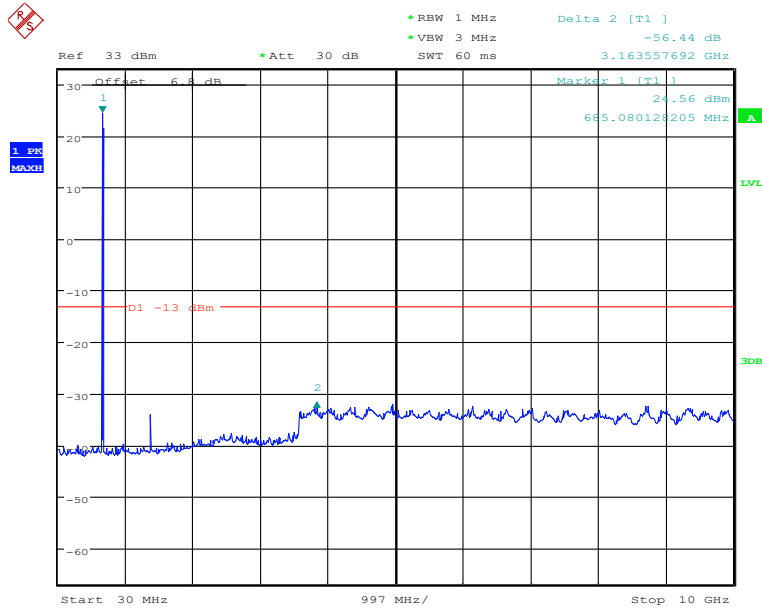
30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0



Date: 6.DEC.2019 11:03:56

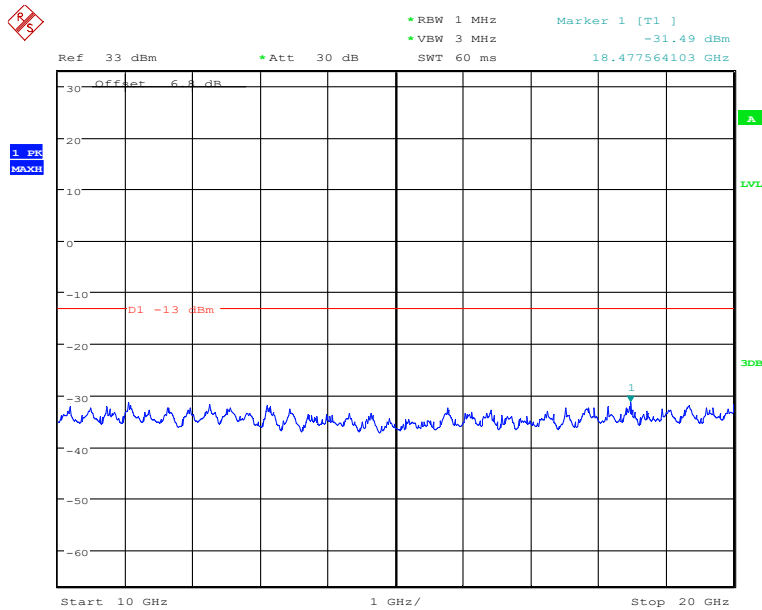
10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 12@0

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:01:28

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

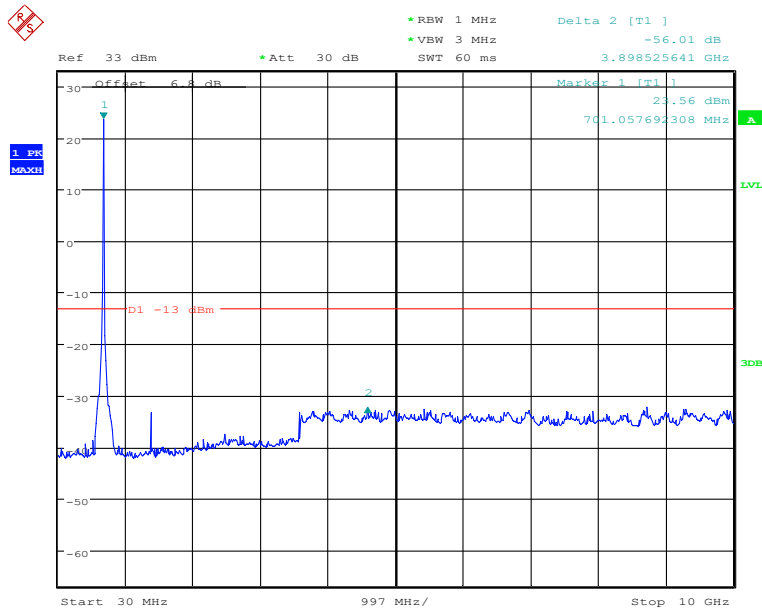


Date: 6.DEC.2019 11:01:52

10GHz to 20GHz, Low Channel, Subcarrier (15kHz), BPSK, 1@0

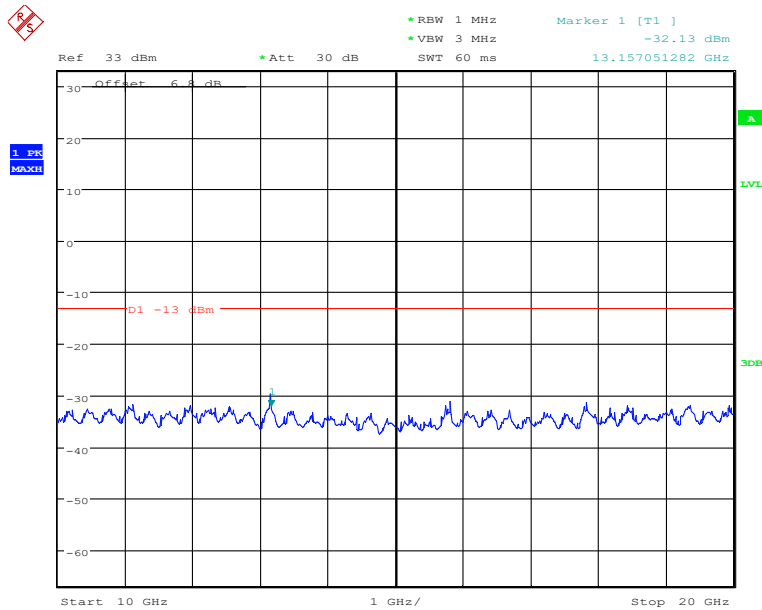


### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:20:41

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0



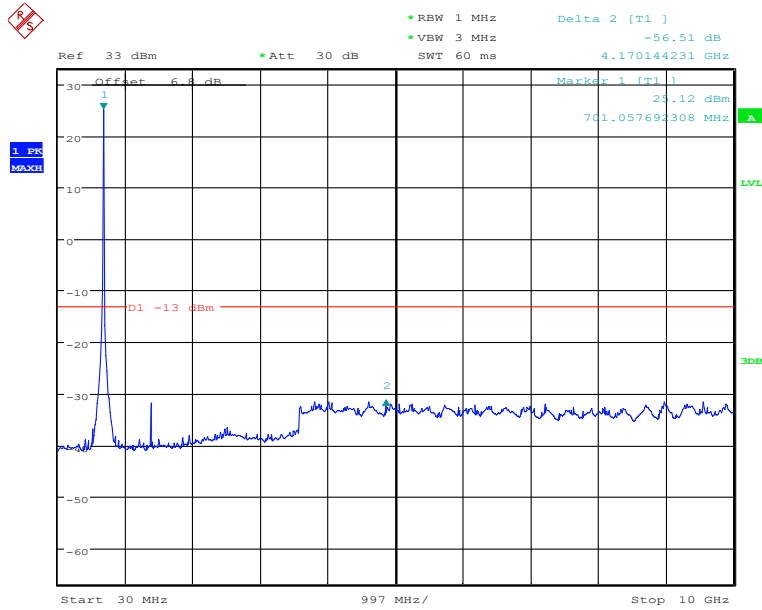
Date: 6.DEC.2019 11:21:03

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), QPSK, 1@0

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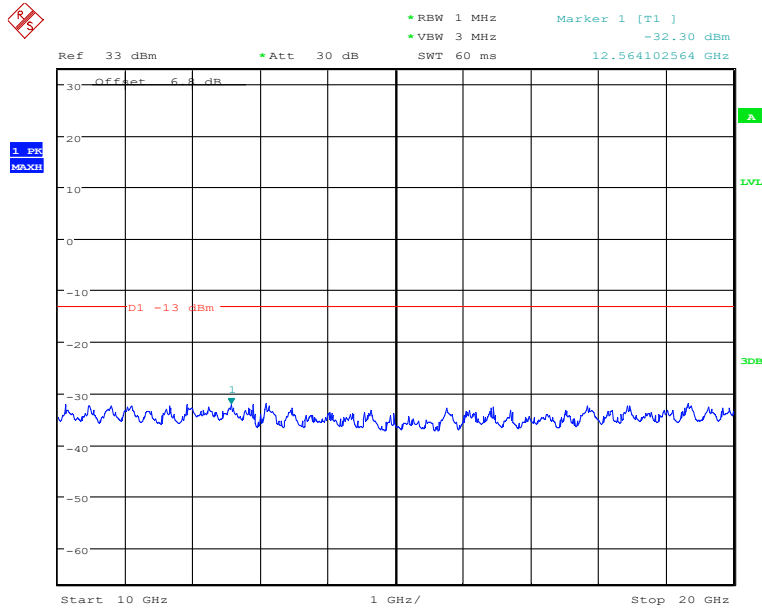
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### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:19:44

30MHz to 10GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0



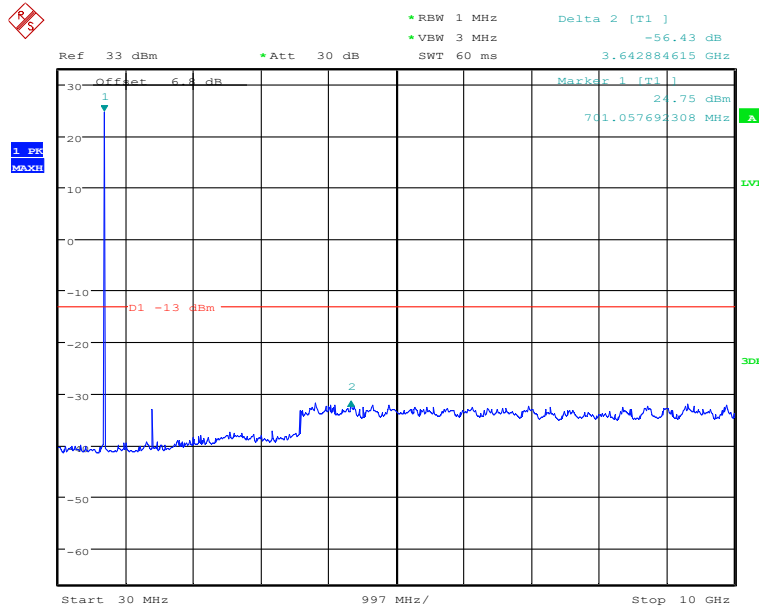
Date: 6.DEC.2019 11:20:02

10GHz to 20GHz, Mid Channel, Subcarrier (3.75kHz), BPSK, 1@0

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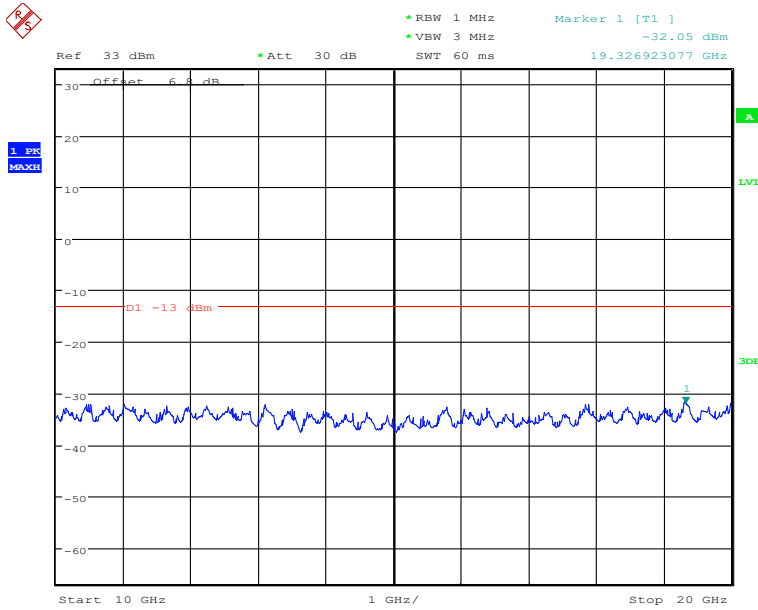
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965      FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:23:44

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0



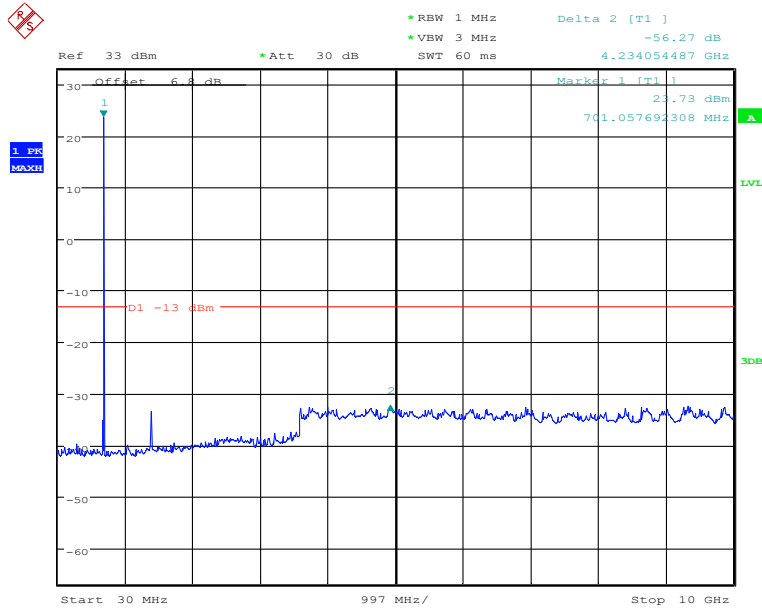
Date: 6.DEC.2019 11:23:59

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 1@0

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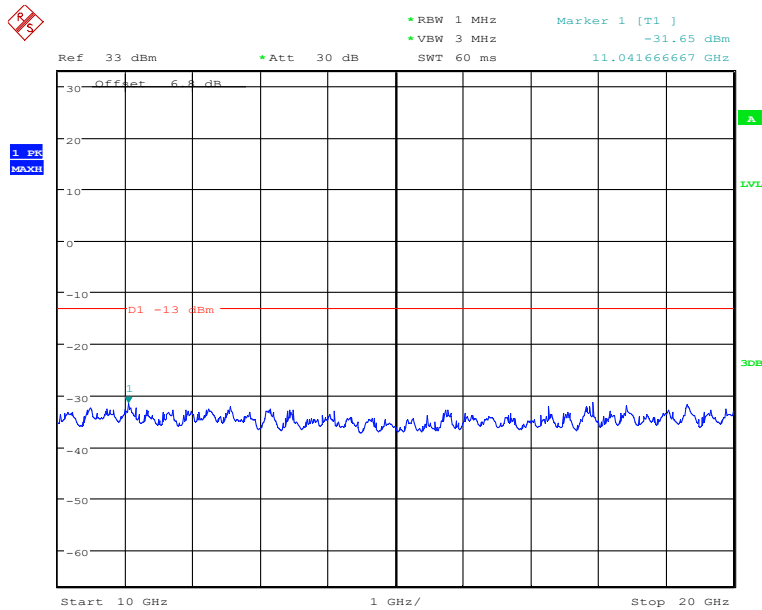
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
 Tel: 0086-23-88069965 FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:24:38

30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0



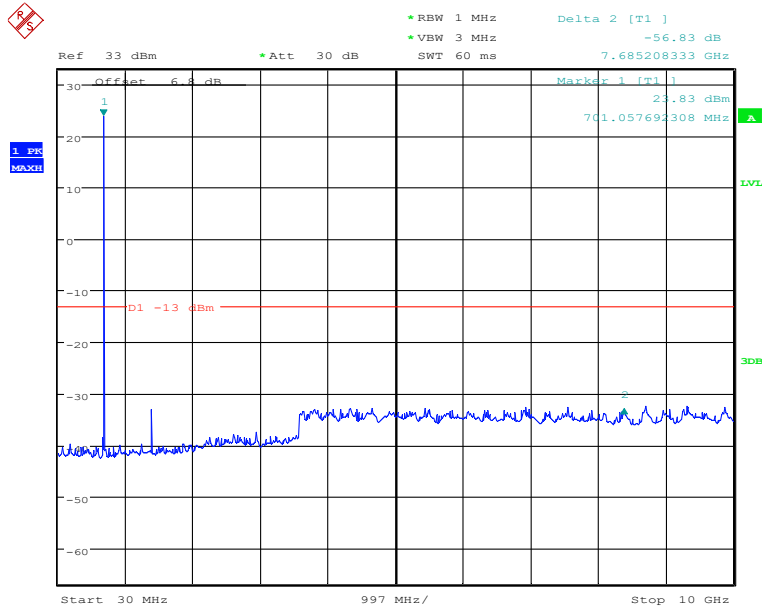
Date: 6.DEC.2019 11:24:51

10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), QPSK, 12@0

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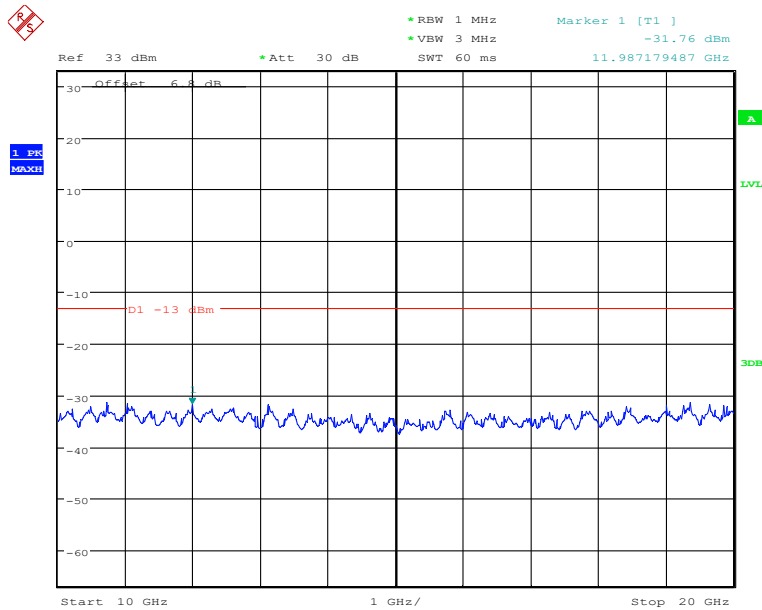
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:25:33

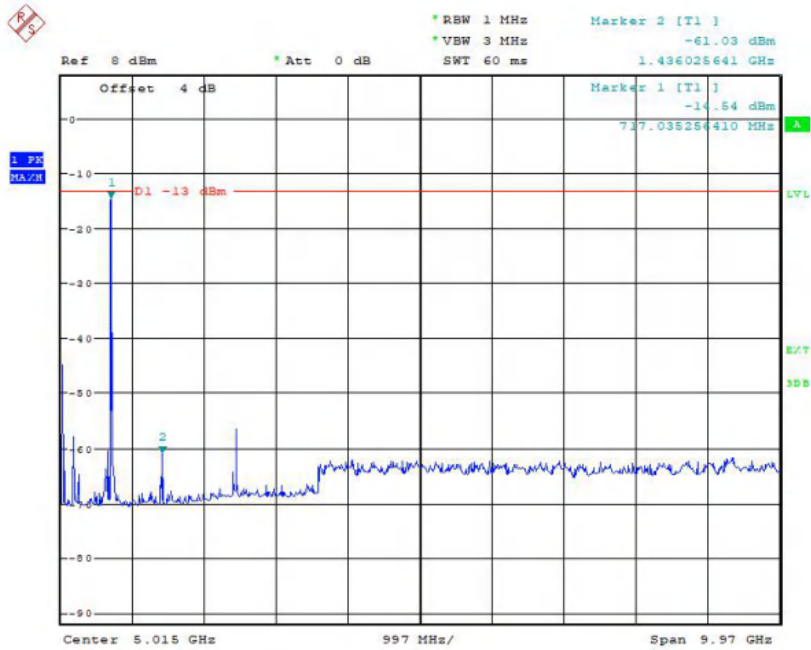
30MHz to 10GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 6.DEC.2019 11:25:56

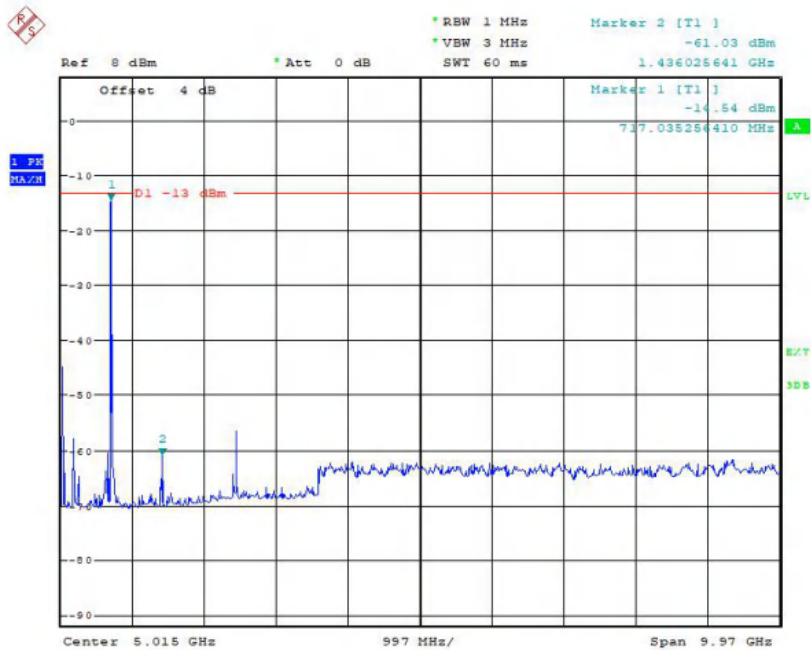
10GHz to 20GHz, Mid Channel, Subcarrier (15kHz), BPSK, 1@0

Report No.: B19W50622-WWAN\_Rev2



Date: 28.MAY.2020 22:03:36

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0



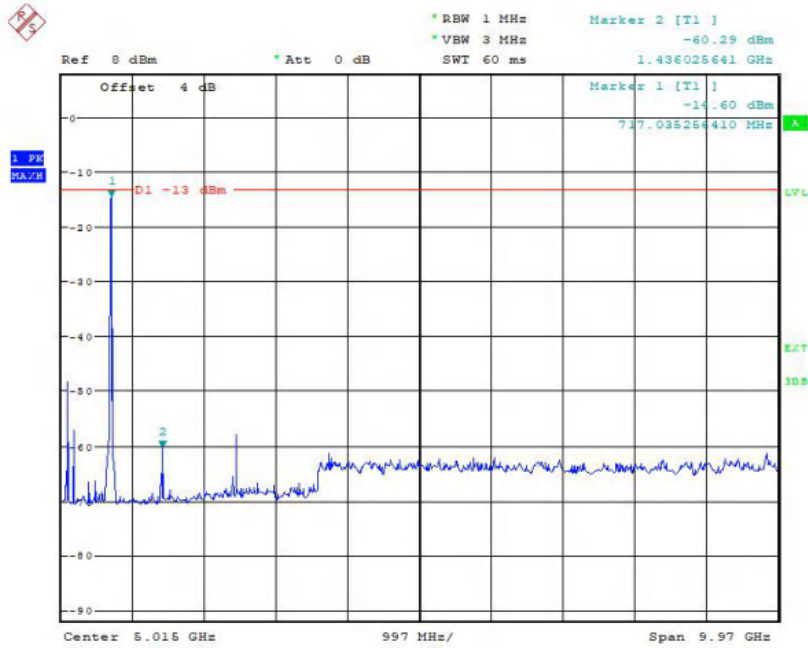
Date: 28.MAY.2020 22:03:36

10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), QPSK, 1@0

**Chongqing Academy of Information and Communication Technology**

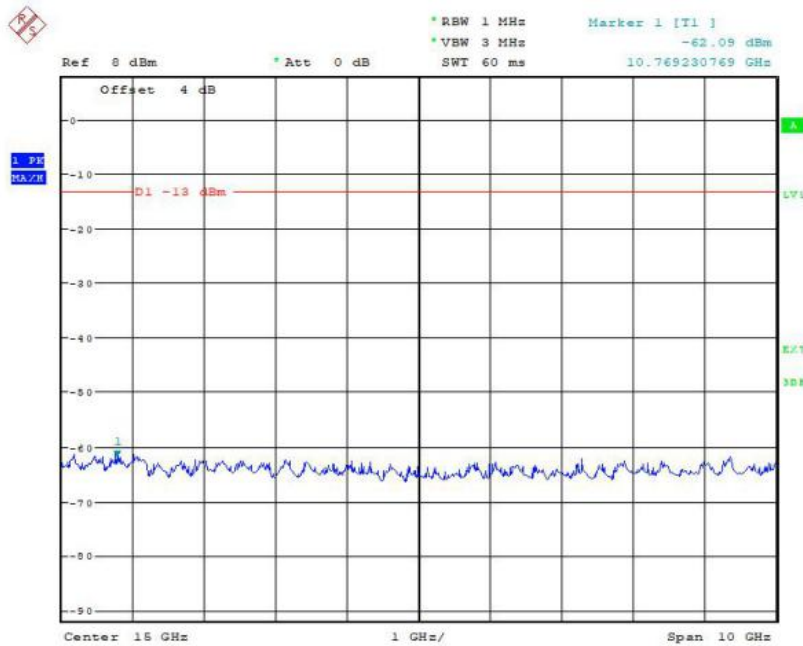
Address: No. 8, Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China, 401336  
Tel: 0086-23-88069965    FAX: 0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 28.MAY.2020 22:04:23

30MHz to 10GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0



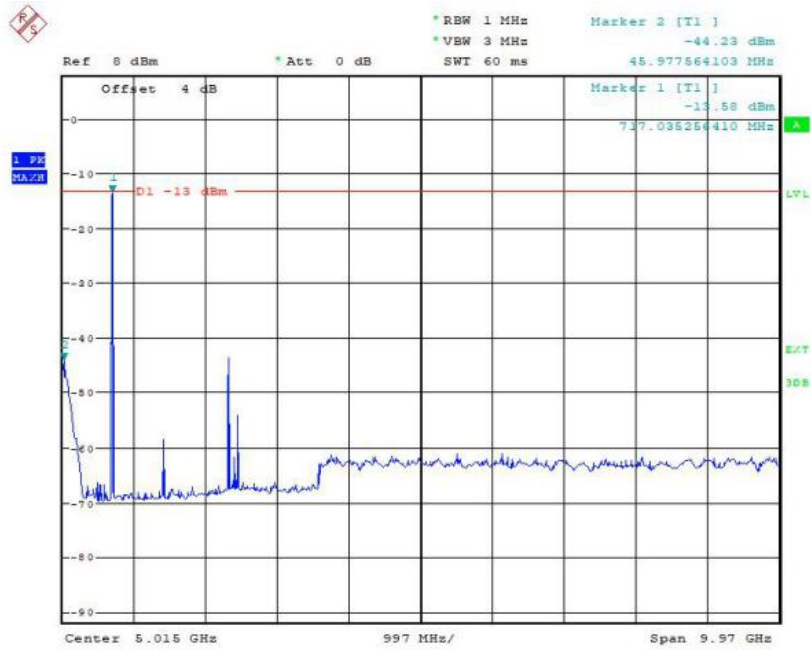
Date: 28.MAY.2020 22:04:44

10GHz to 20GHz, High Channel, Subcarrier (3.75kHz), BPSK, 1@0

**Chongqing Academy of Information and Communication Technology**

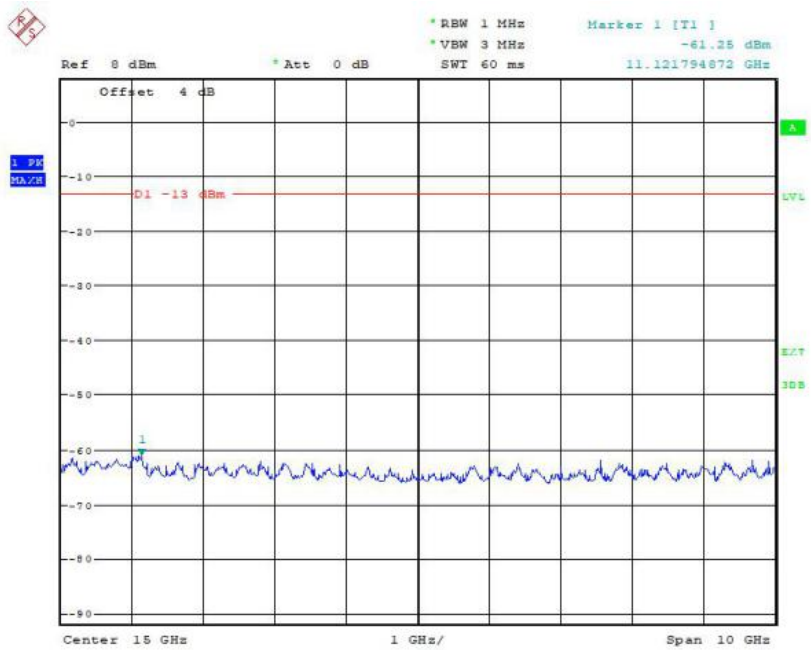
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965    FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 28.MAY.2020 21:59:56

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 28.MAY.2020 22:00:16

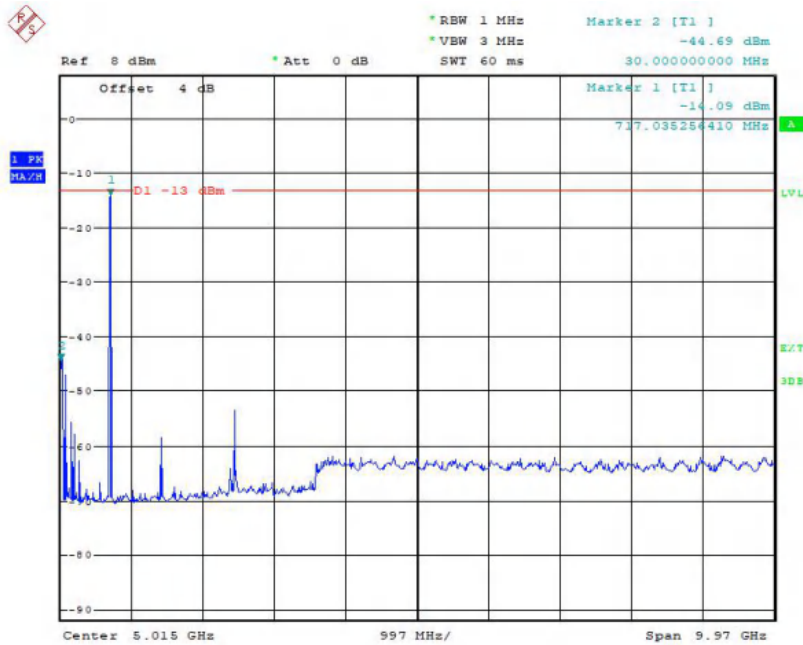
10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 1@0

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Tel: 0086-23-88069965 FAX: 0086-23-88608777

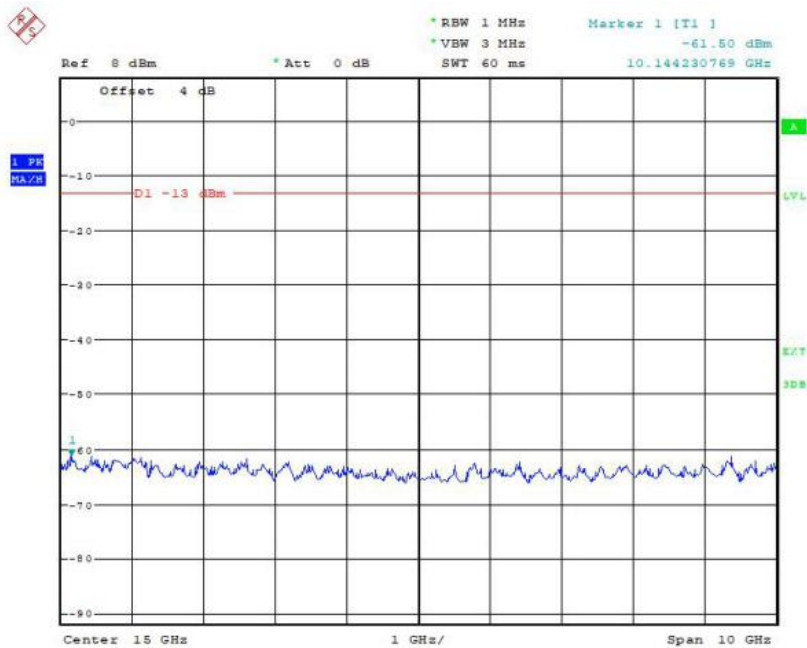


### Report No.: B19W50622-WWAN\_Rev2



Date: 28.MAY.2020 22:02:03

30MHz to 10GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0



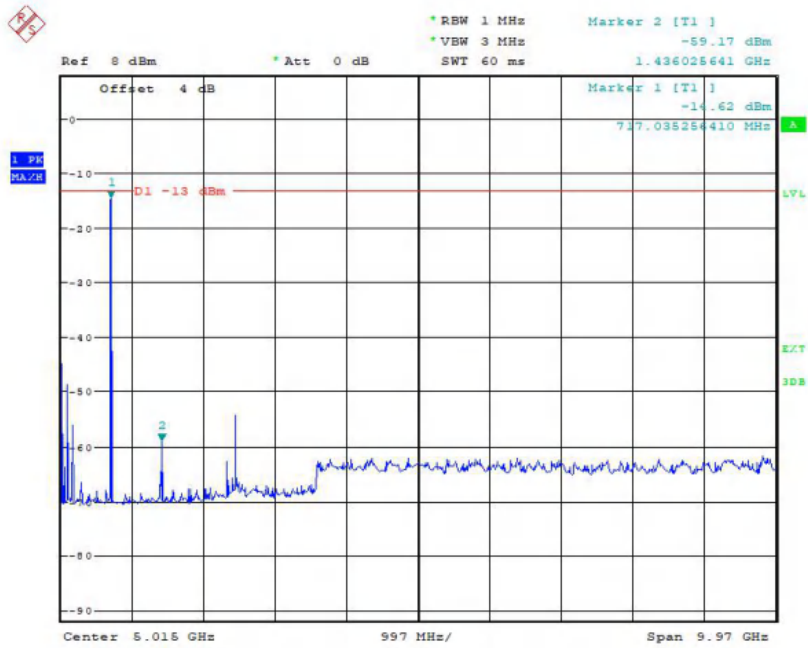
Date: 28.MAY.2020 22:02:23

10GHz to 20GHz, High Channel, Subcarrier (15kHz), QPSK, 12@0

**Chongqing Academy of Information and Communication Technology**

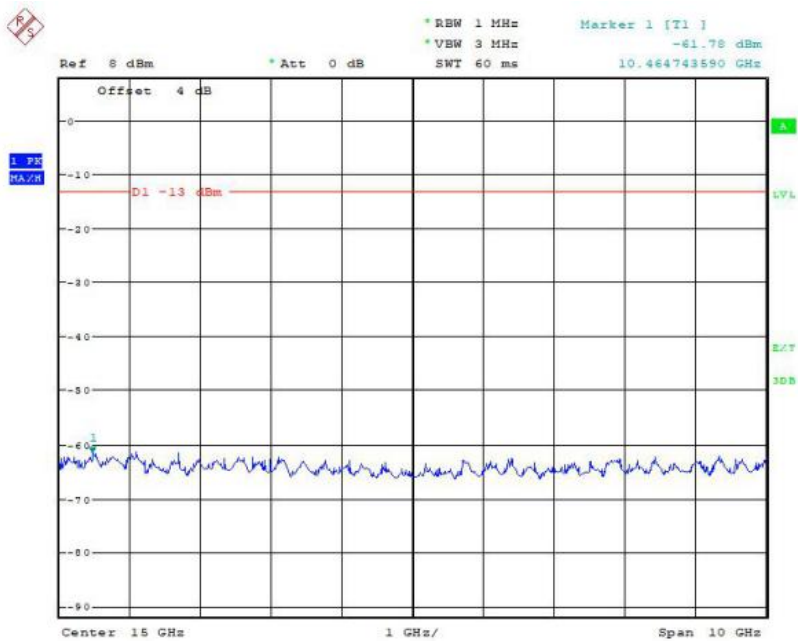
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965    FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 28.MAY.2020 22:01:01

30MHz to 10GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0



Date: 28.MAY.2020 22:01:18

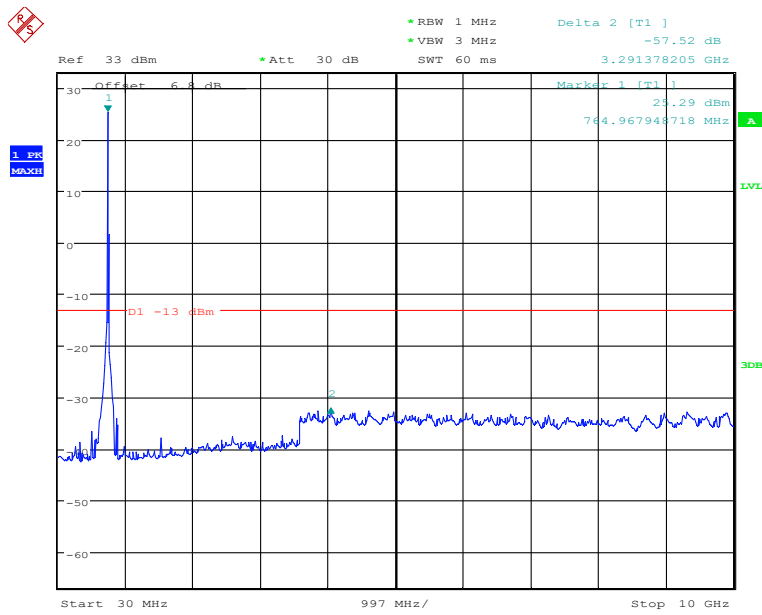
10GHz to 20GHz, High Channel, Subcarrier (15kHz), BPSK, 1@0

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Tel: 0086-23-88069965    FAX:0086-23-88608777

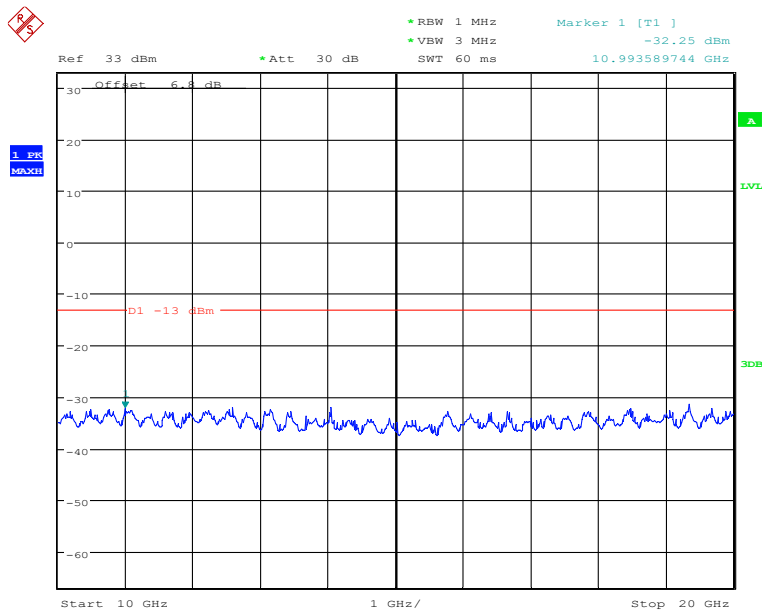
### Report No.: B19W50622-WWAN\_Rev2

### 5.3.6 NB-IoT B13 Conducted Spurious Emission Results



Date: 6.DEC.2019 11:53:58

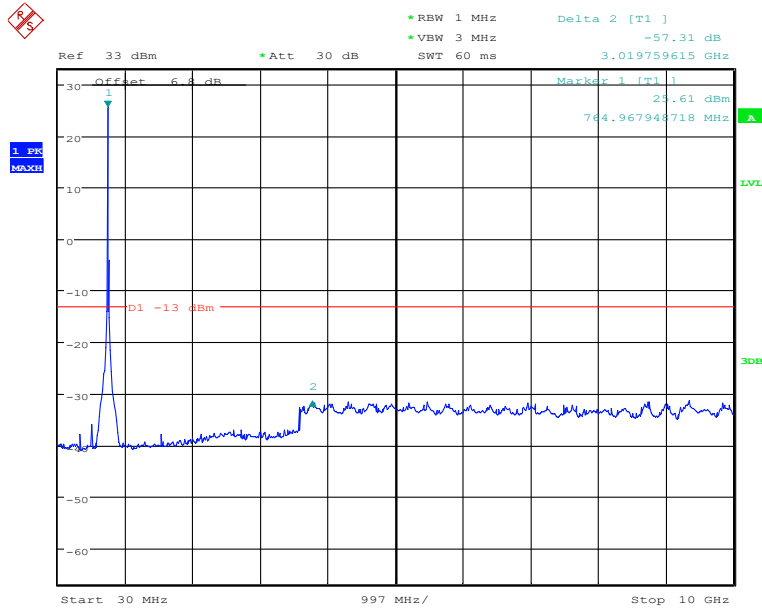
30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0



Date: 6.DEC.2019 11:54:13

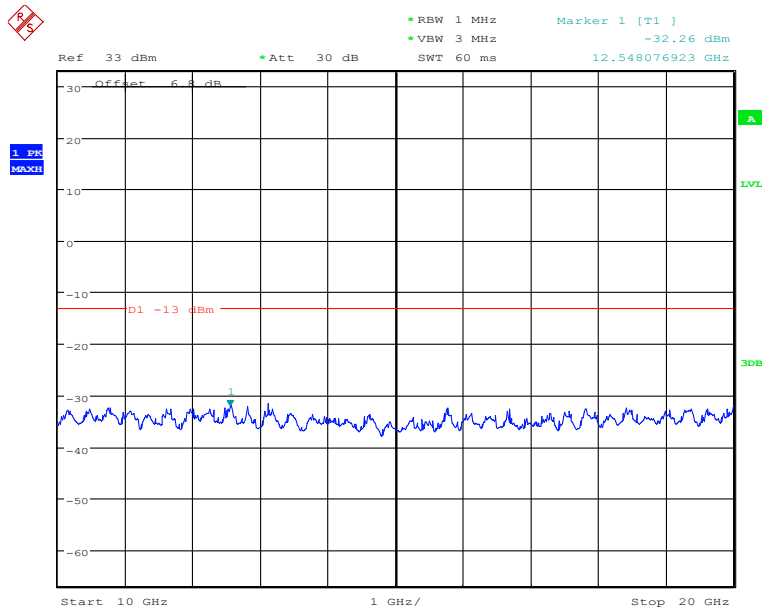
10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), QPSK, 1@0

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:53:07

### 30MHz to 10GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0



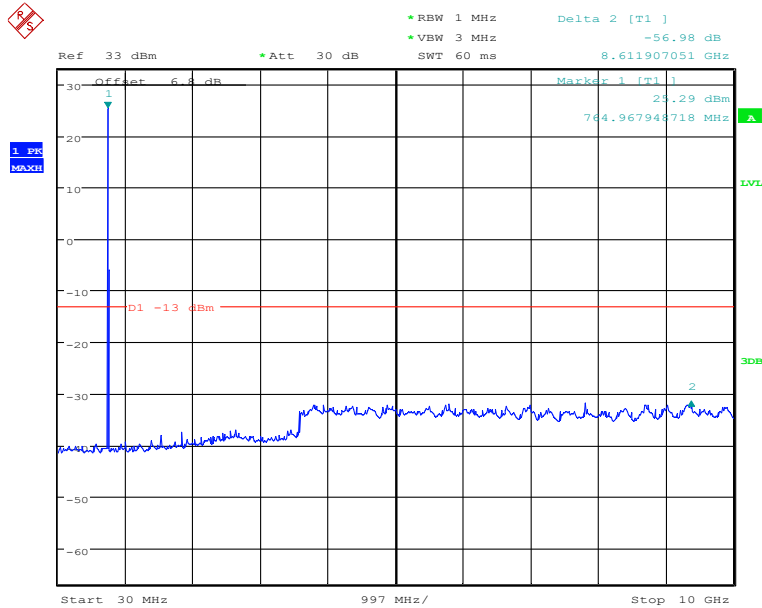
Date: 6.DEC.2019 11:53:24

### 10GHz to 20GHz, Low Channel, Subcarrier (3.75kHz), BPSK, 1@0

**Chongqing Academy of Information and Communication Technology**

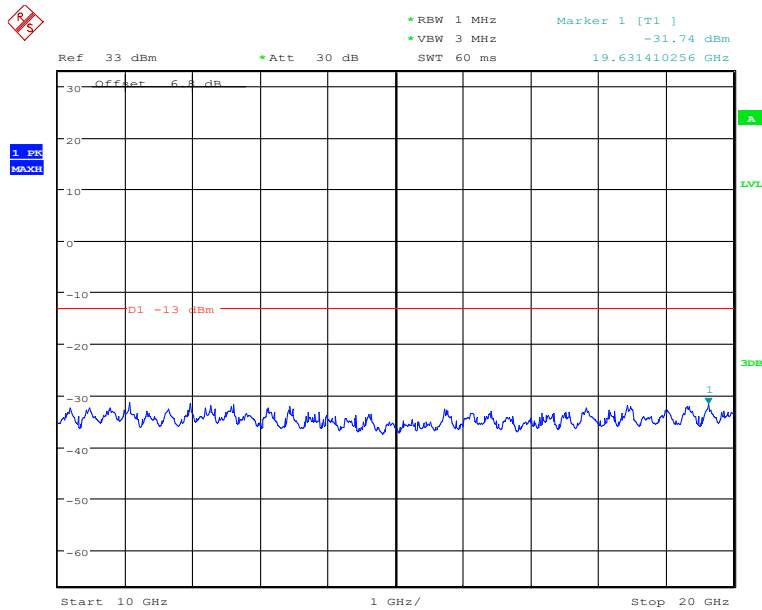
Address: No. 8,Yuma Road, Chayuan New City, Nan'an District, Chongqing, P. R. China,401336  
Tel: 0086-23-88069965 FAX:0086-23-88608777

### Report No.: B19W50622-WWAN\_Rev2



Date: 6.DEC.2019 11:56:56

30MHz to 10GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0



Date: 6.DEC.2019 11:57:12

10GHz to 20GHz, Low Channel, Subcarrier (15kHz), QPSK, 1@0