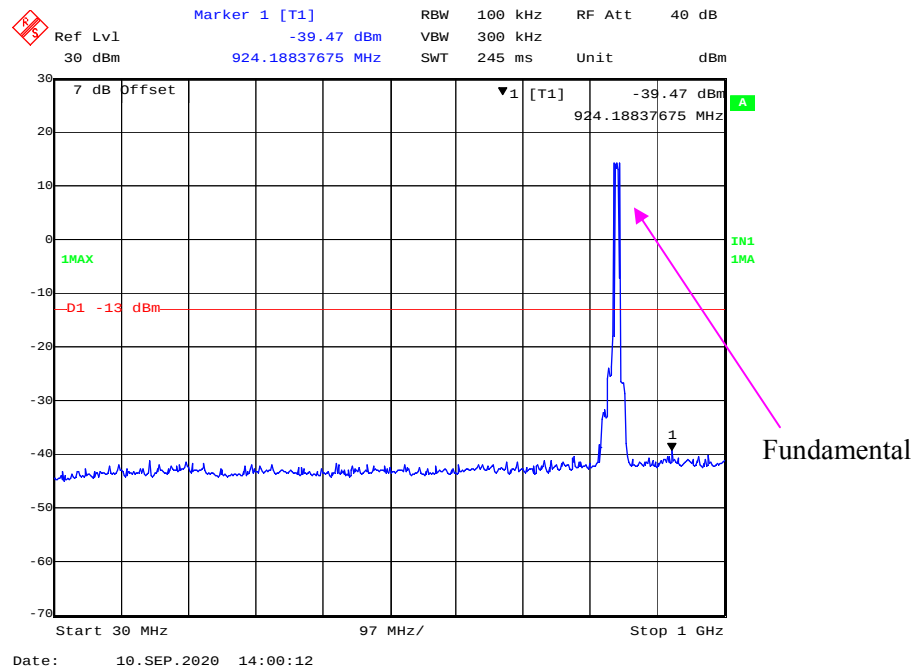
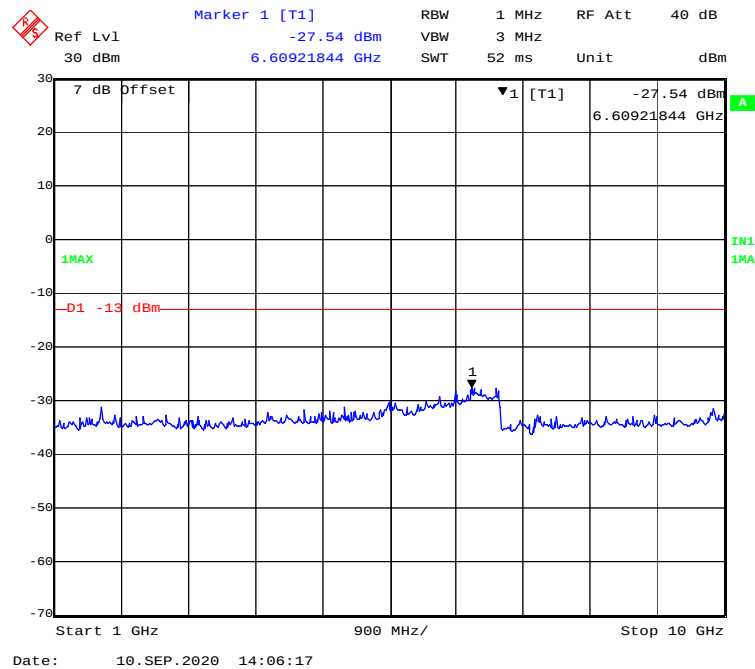
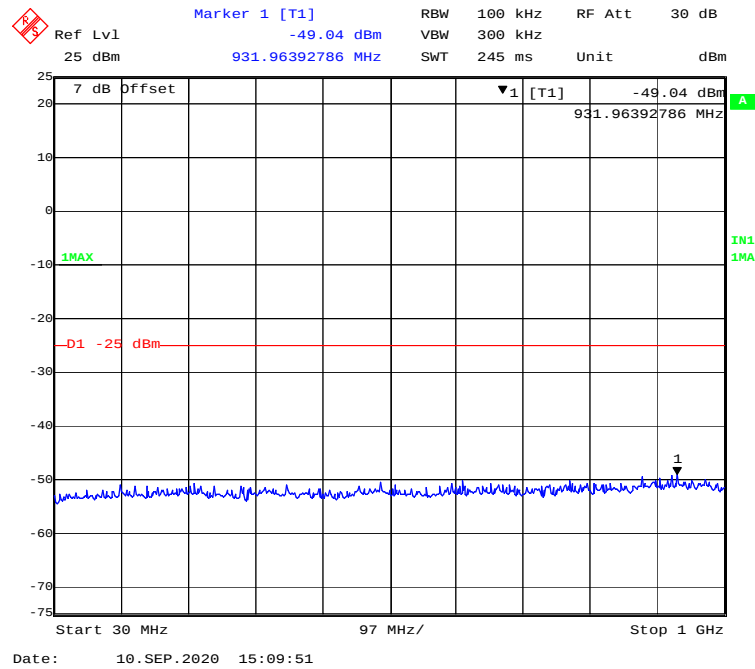
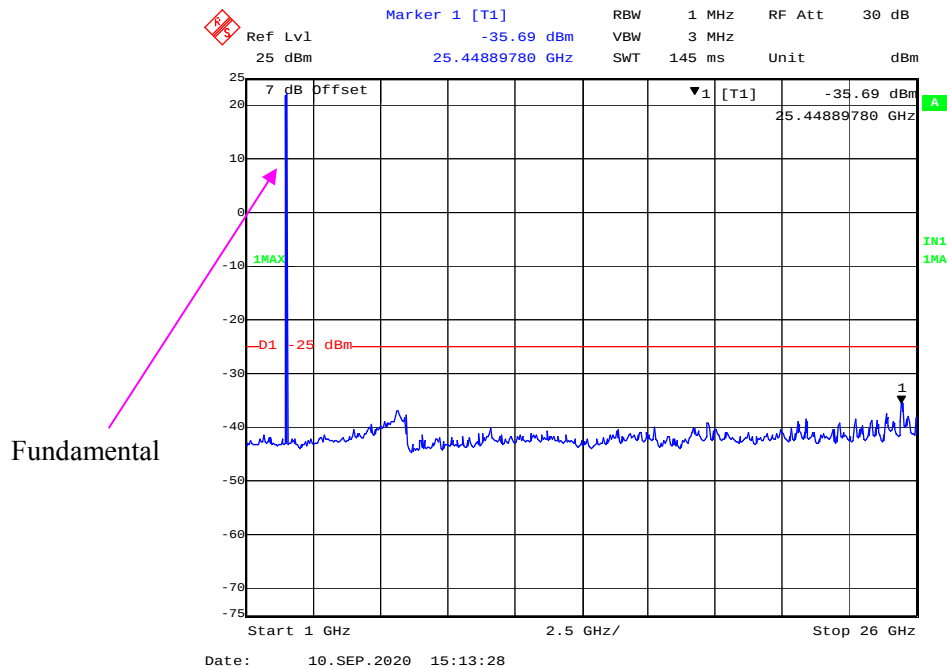


30 MHz – 1 GHz (16QAM, 10.0 MHz, High Channel)

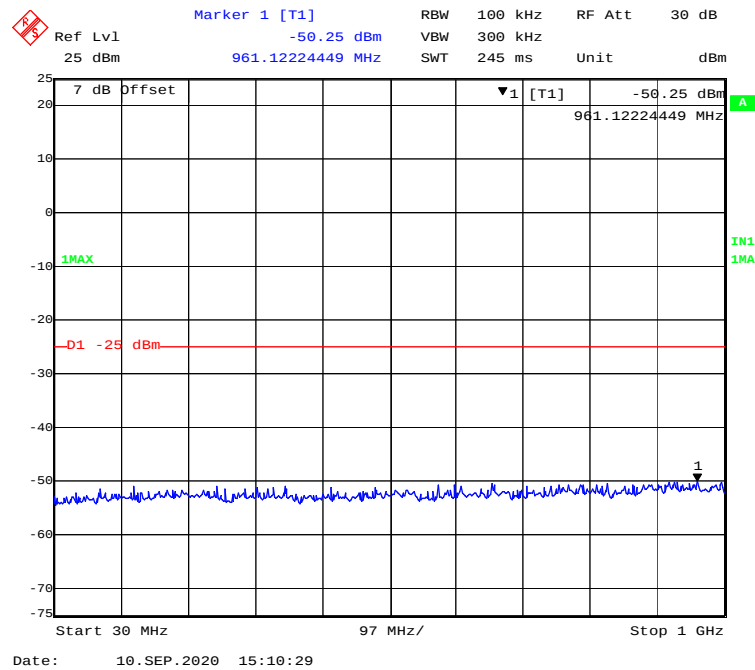


1 GHz – 10 GHz (16QAM, 10.0 MHz, High Channel)

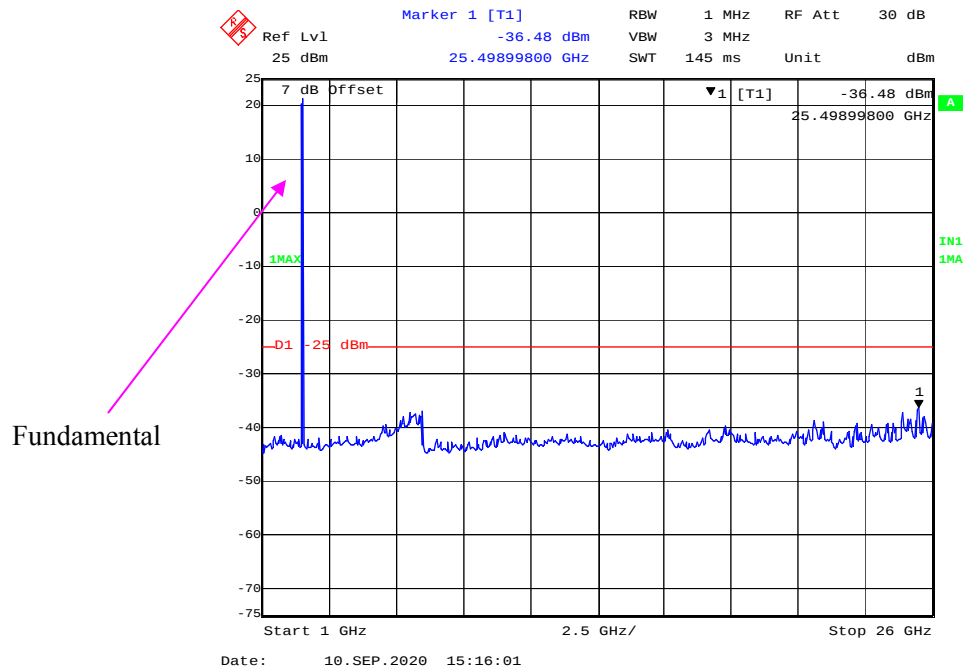


LTE Band 7**30 MHz – 1 GHz (QPSK, 5.0 MHz, Low Channel)****1 GHz – 26 GHz (QPSK, 5.0 MHz, Low Channel)**

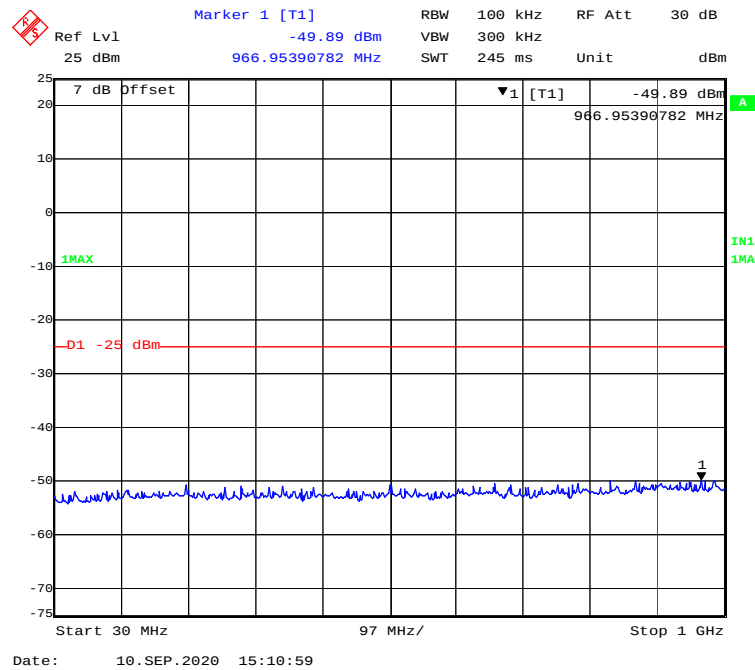
30 MHz – 1 GHz (QPSK, 10.0 MHz, Low Channel)



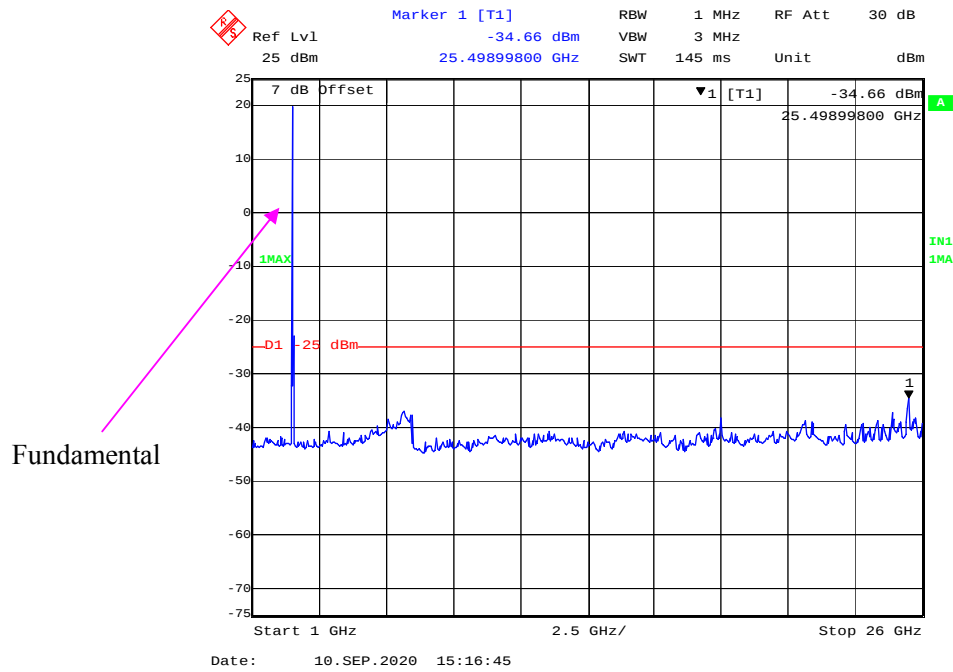
1 GHz – 26 GHz (QPSK, 10.0 MHz, Low Channel)



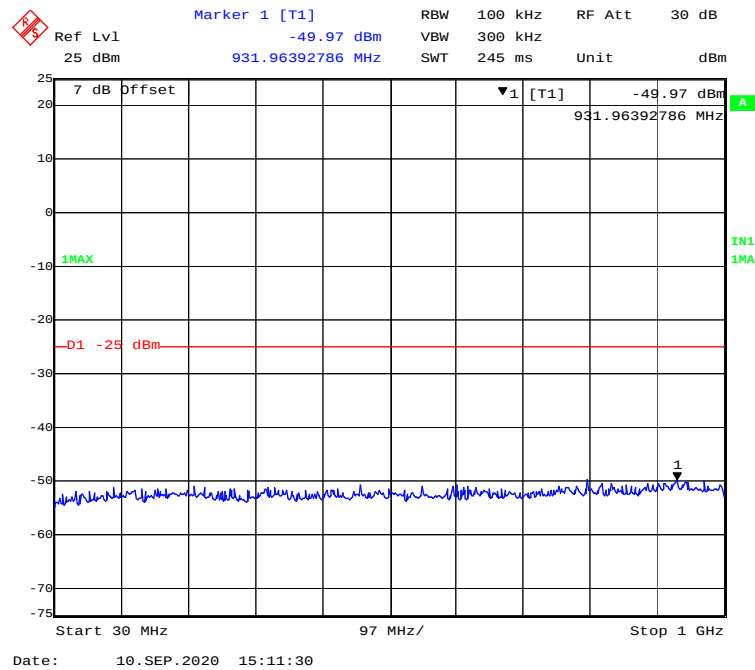
30 MHz – 1 GHz (QPSK, 15.0 MHz, Low Channel)



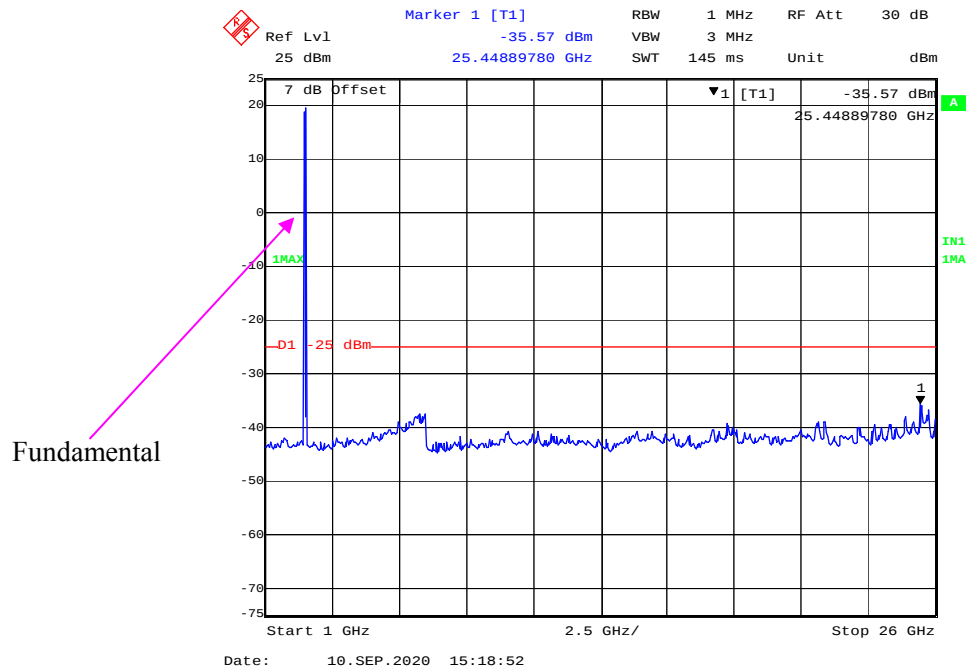
1 GHz – 26 GHz (QPSK, 15.0MHz, Low Channel)



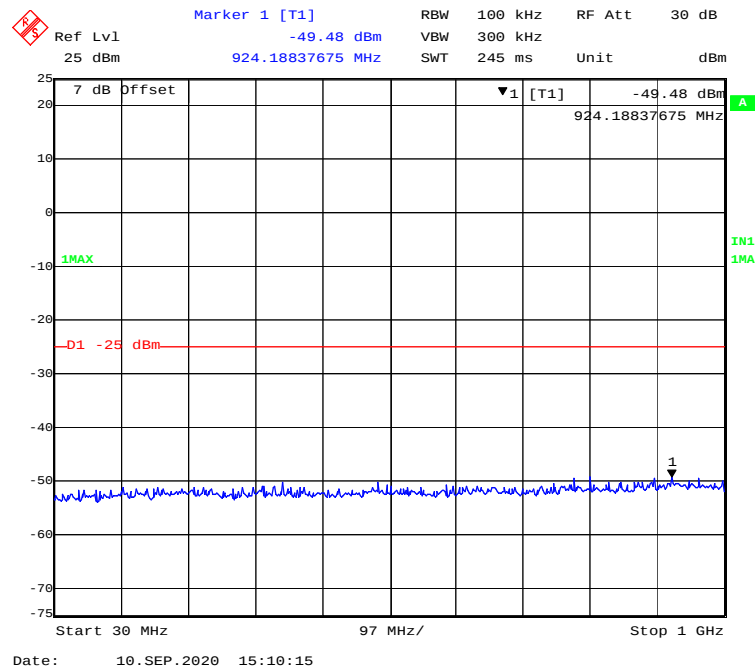
30 MHz – 1 GHz (QPSK, 20.0 MHz, Low Channel)



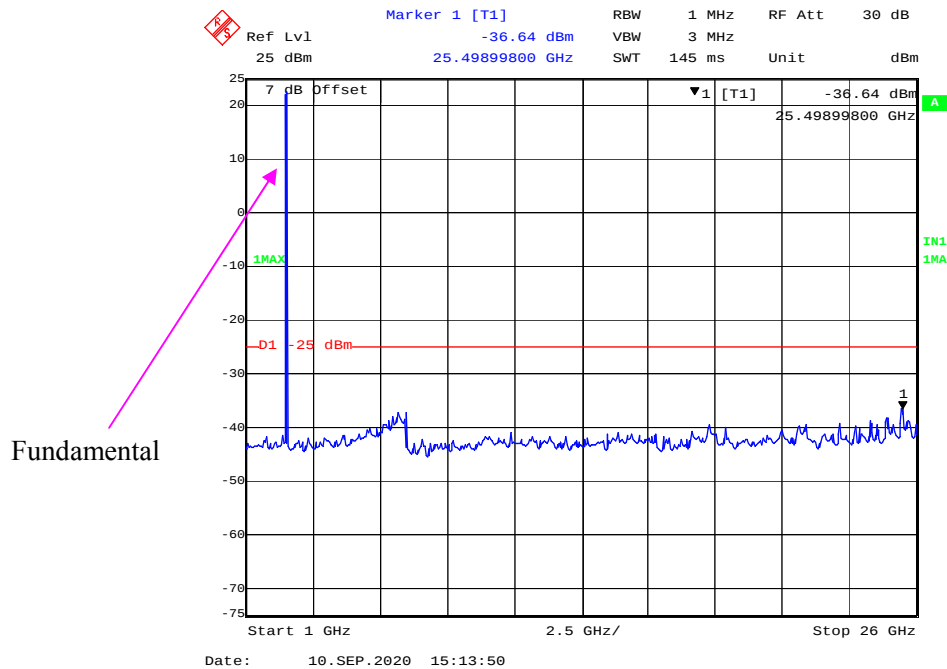
1 GHz – 26 GHz (QPSK, 20.0 MHz, Low Channel)



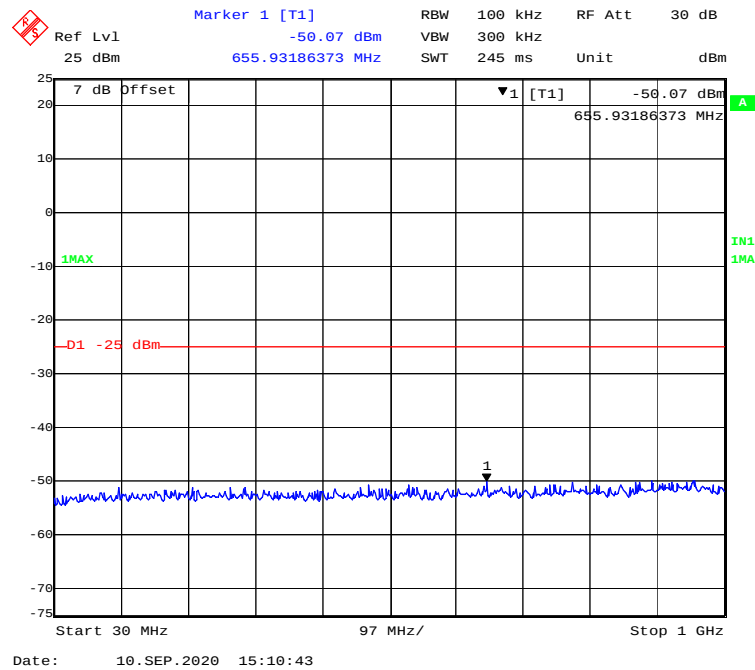
30 MHz – 1 GHz (16QAM, 5.0 MHz, Low Channel)



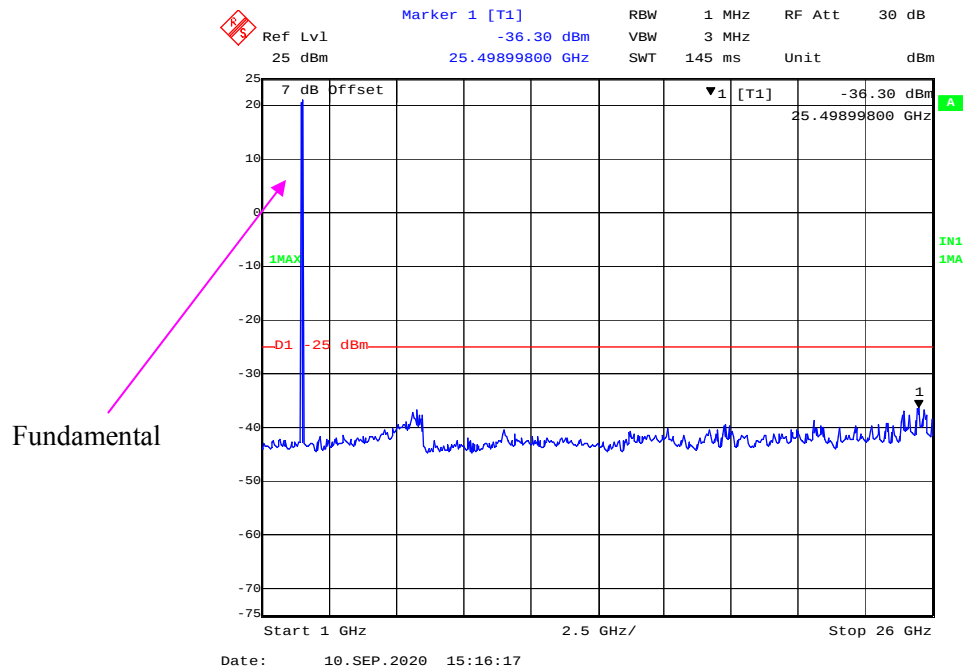
1 GHz – 26 GHz (16QAM, 5.0 MHz, Low Channel)



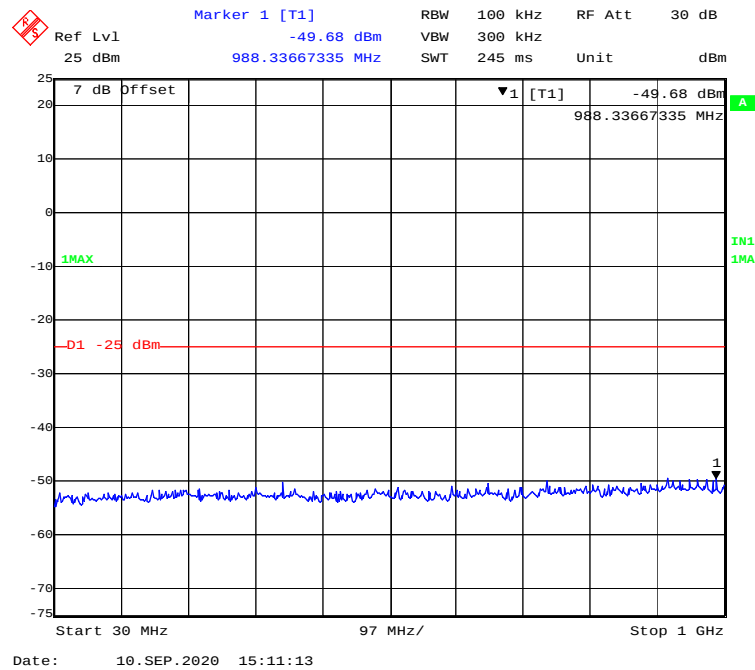
30 MHz – 1 GHz (16QAM, 10.0 MHz, Low Channel)



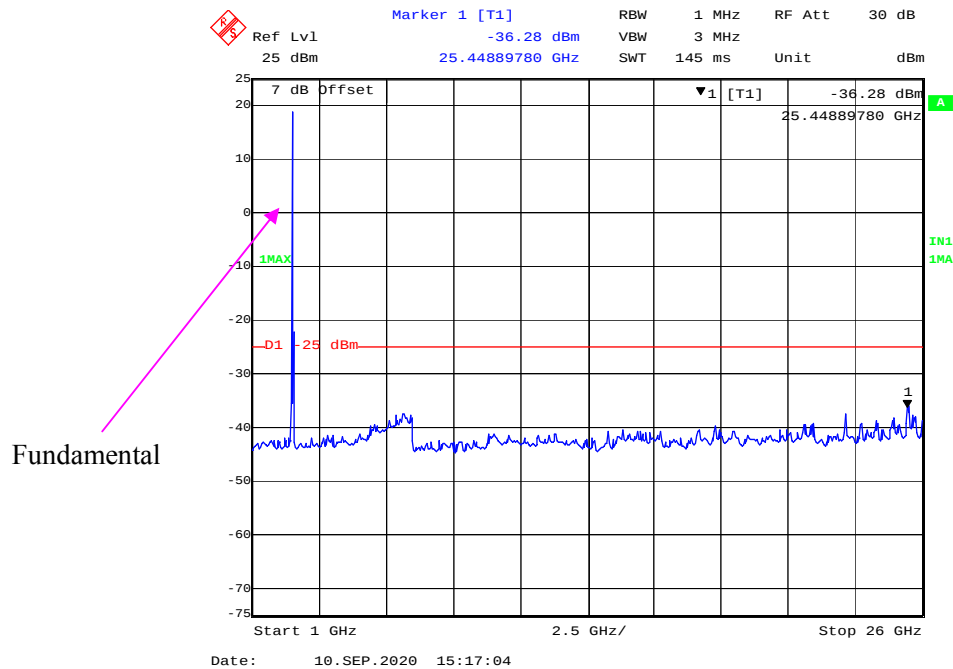
1 GHz – 26 GHz (16QAM, 10.0 MHz, Low Channel)



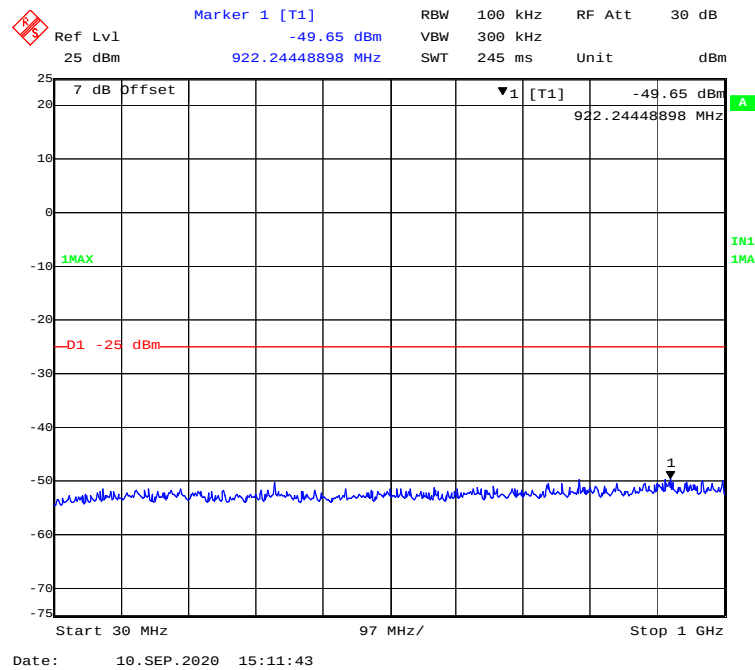
30 MHz – 1 GHz (16QAM, 15.0 MHz, Low Channel)



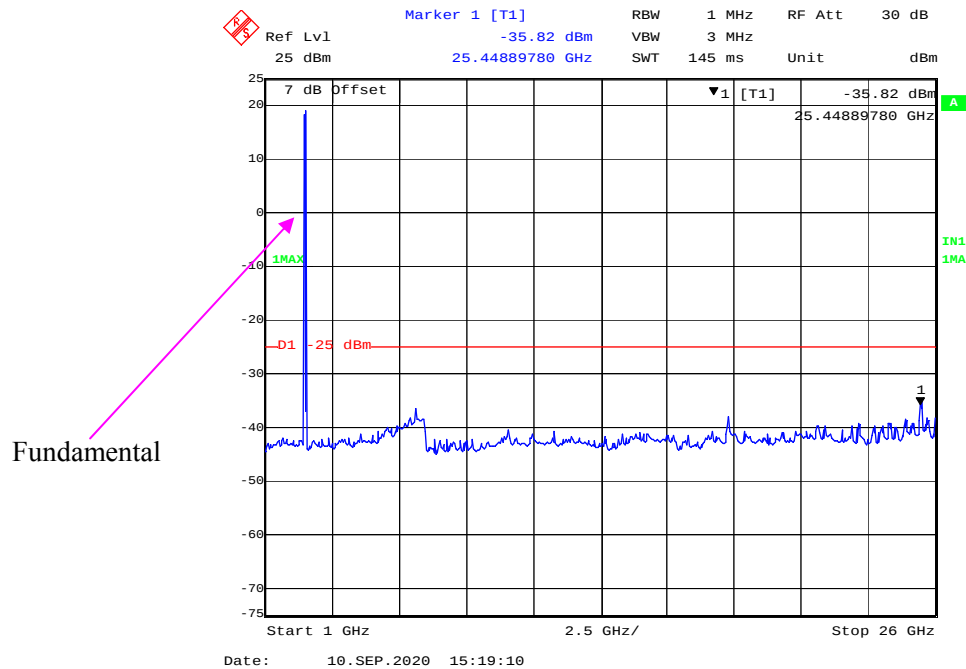
1 GHz – 26 GHz (16QAM, 15.0MHz, Low Channel)



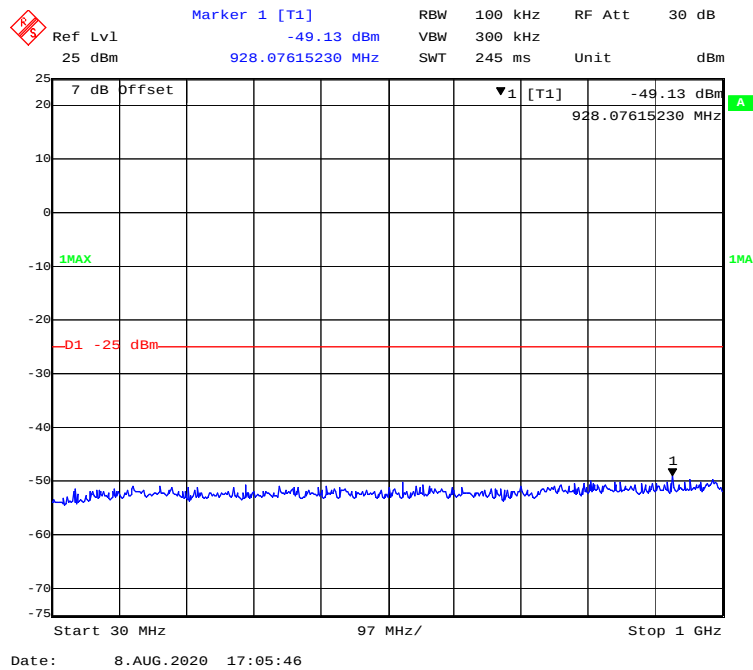
30 MHz – 1 GHz (16QAM, 20.0 MHz, Low Channel)



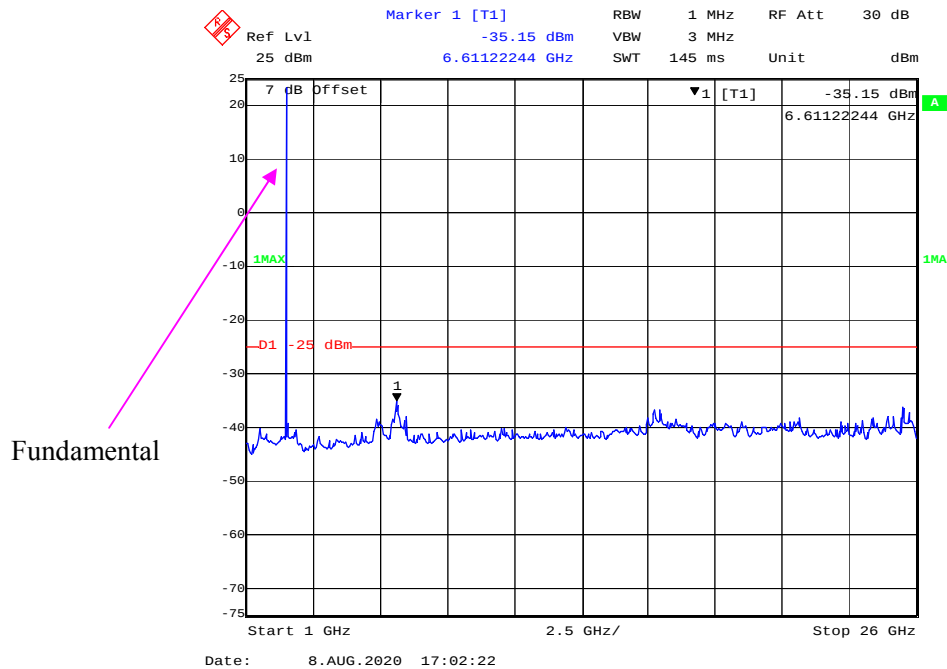
1 GHz – 26 GHz (16QAM, 20.0 MHz, Low Channel)



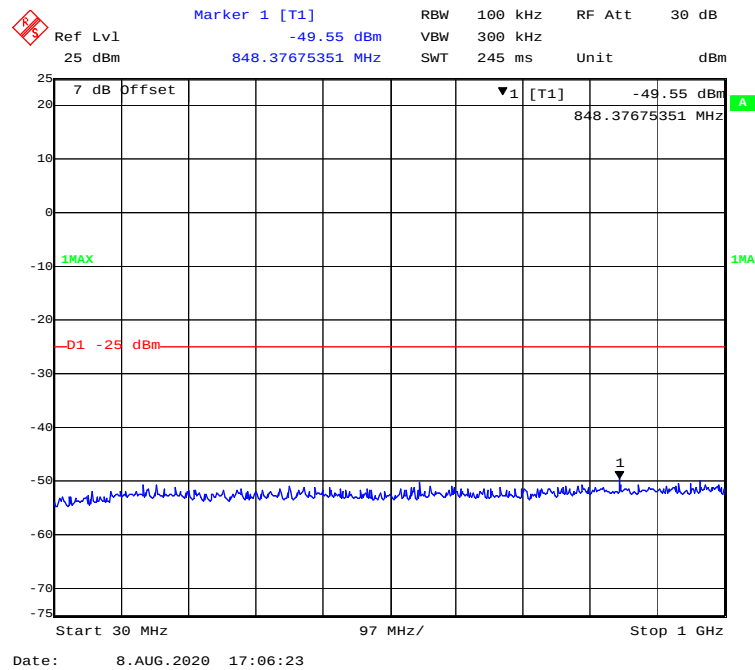
30 MHz – 1 GHz (QPSK, 5.0 MHz, Middle Channel)



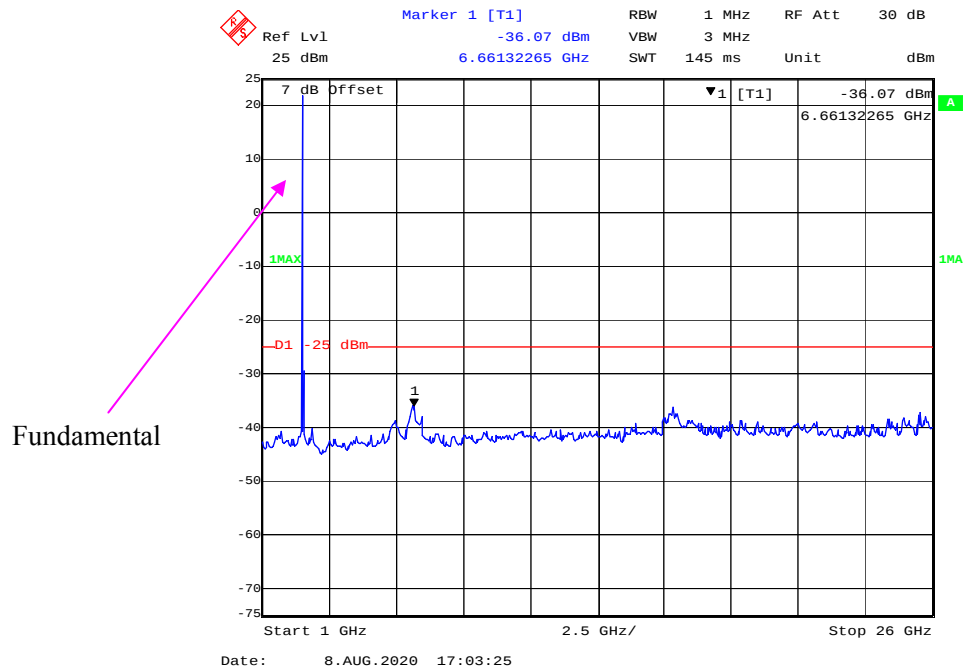
1 GHz – 26 GHz (QPSK, 5.0 MHz, Middle Channel)



30 MHz – 1 GHz (QPSK, 10.0 MHz, Middle Channel)



1 GHz – 26 GHz (QPSK, 10.0 MHz, Middle Channel)



Marker 1 [T1]

Ref Lvl -48.86 dBm

25 dBm 1.00000000 GHz

RBW 100 kHz RF Att 30 dB

VBW 300 kHz

SWT 245 ms Unit dBm

7 dB Offset

▼1 [T1]

-48.86 dBm

1.00000000 GHz

1MAX

-D1 -25 dBm

Start 30 MHz 97 MHz/ Stop 1 GHz

Date: 8.AUG.2020 17:06:57

Ref Lvl 25 dBm
 RBW 1 MHz
 VBW 3 MHz
 SWT 145 ms
 RF Att 30 dB
 Unit dBm

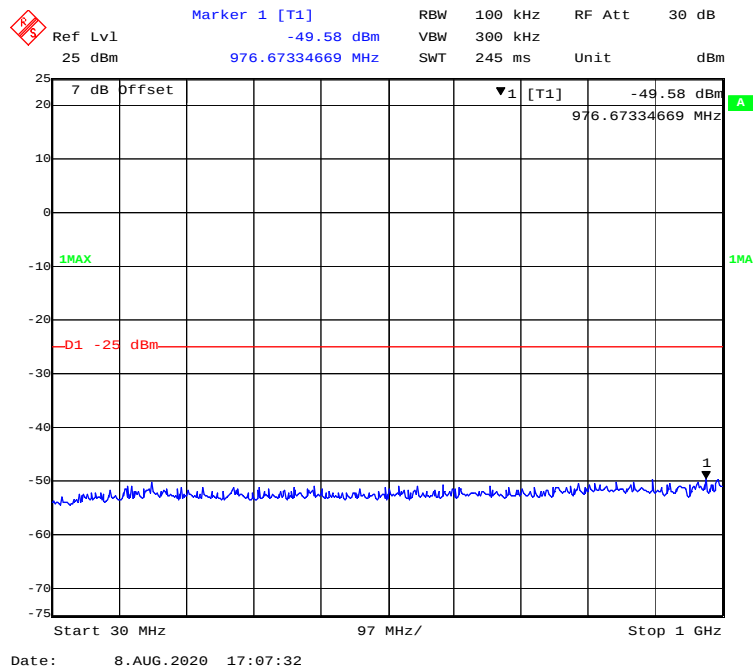
Marker 1 [T1]
 -36.04 dBm
 16.23046092 GHz

Start 1 GHz
 2.5 GHz/
 Stop 26 GHz

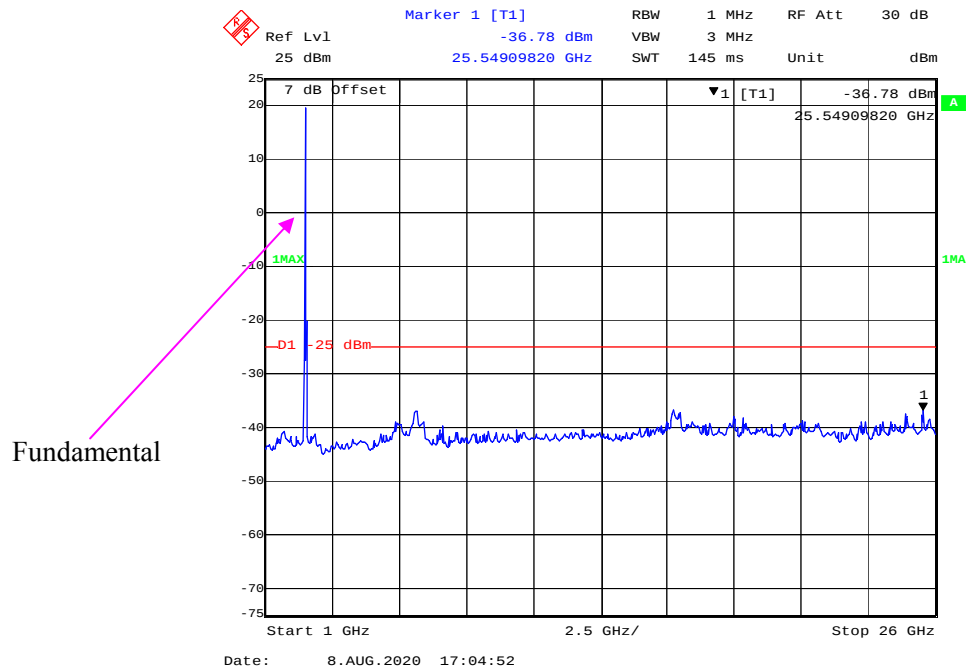
Date: 8.AUG.2020 17:04:12

Fundamental

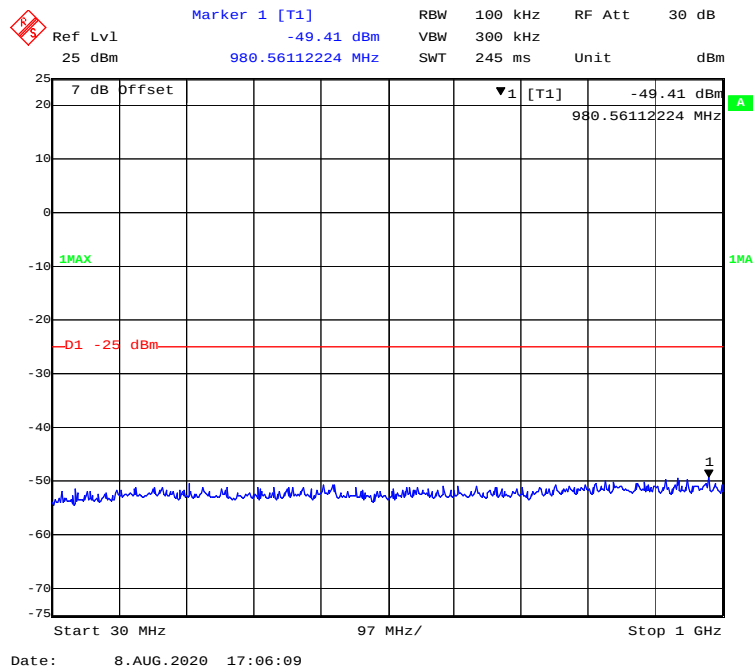
30 MHz – 1 GHz (QPSK, 20.0 MHz, Middle Channel)



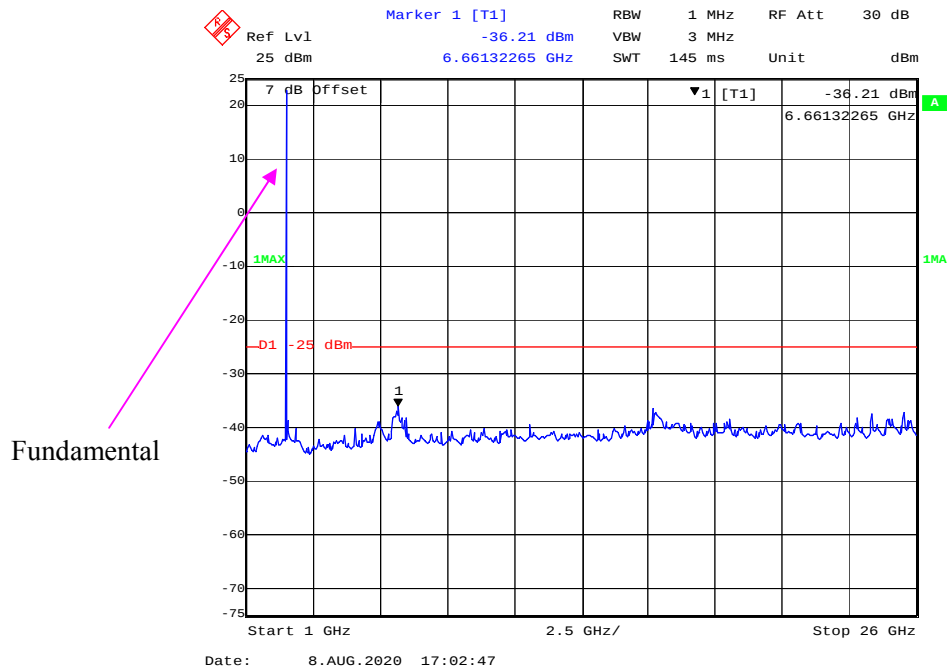
1 GHz – 26 GHz (QPSK, 20.0 MHz, Middle Channel)



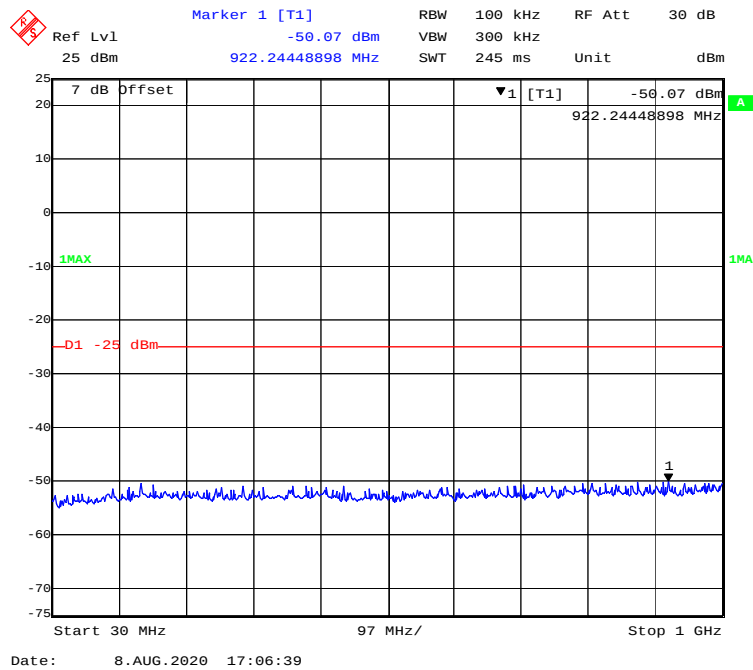
30 MHz – 1 GHz (16QAM, 5.0 MHz, Middle Channel)



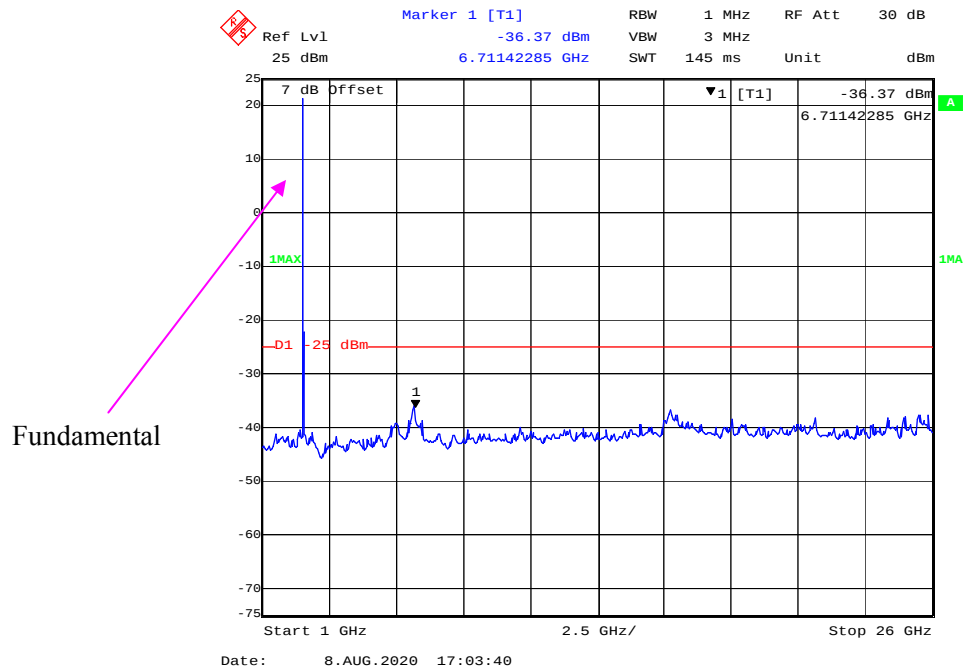
1 GHz – 26 GHz (16QAM, 5.0 MHz, Middle Channel)



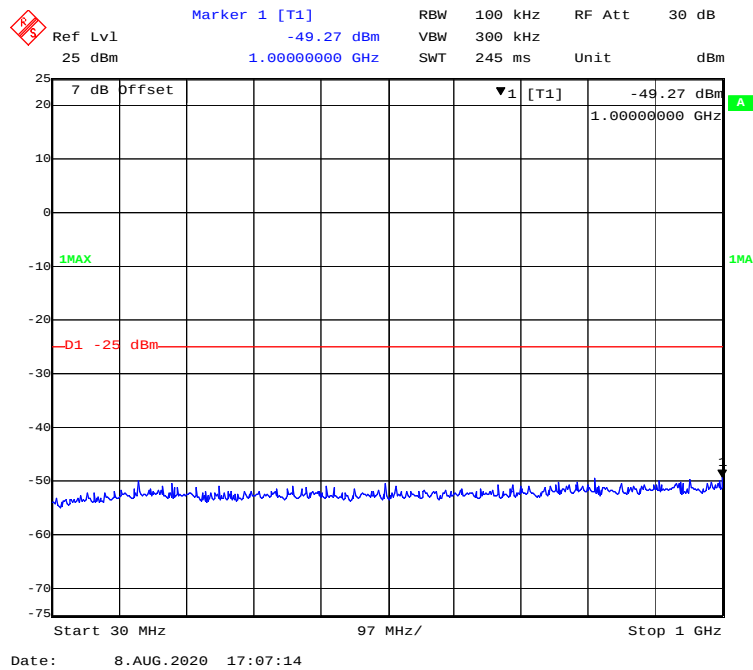
30 MHz – 1 GHz (16QAM, 10.0 MHz, Middle Channel)



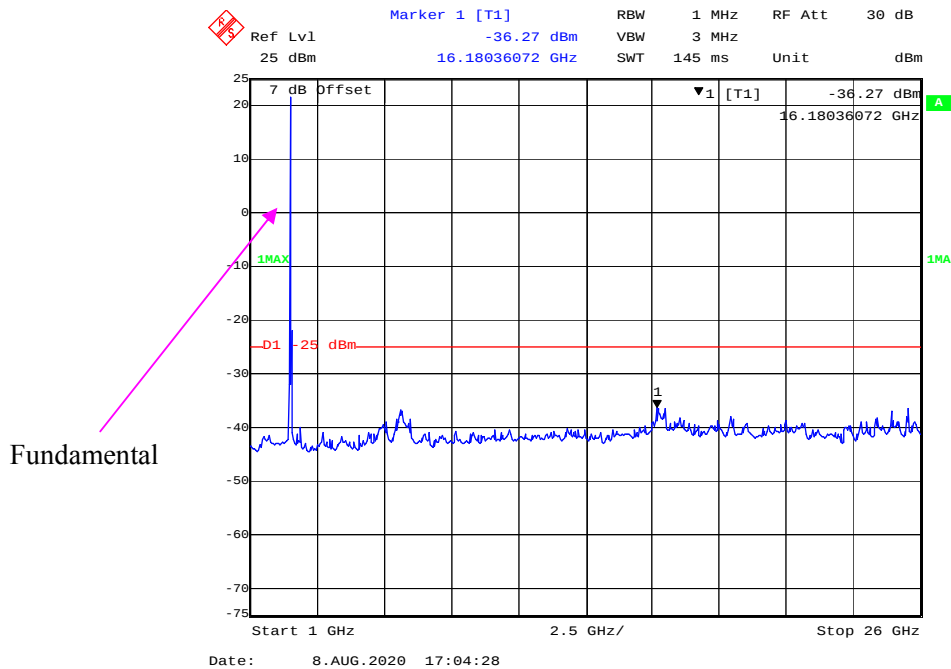
1 GHz – 26 GHz (16QAM, 10.0 MHz, Middle Channel)



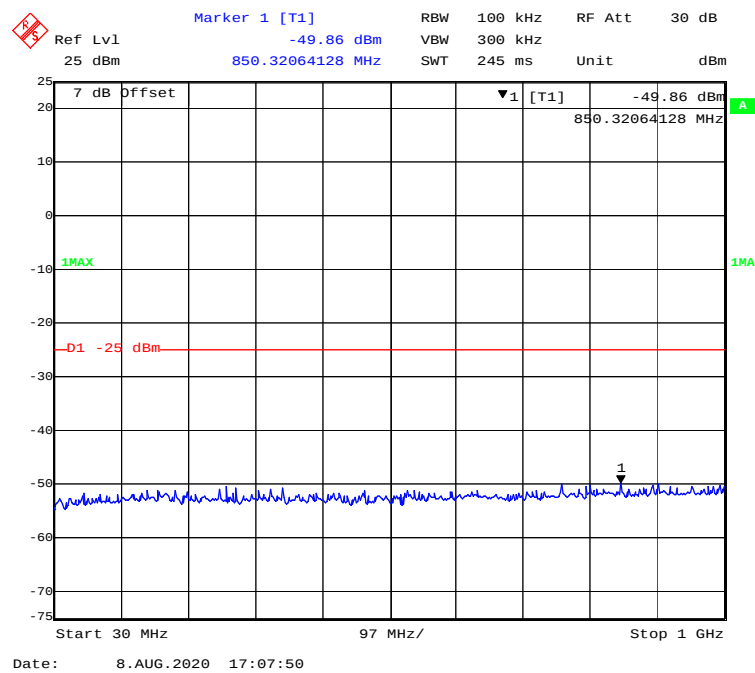
30 MHz – 1 GHz (16QAM, 15.0 MHz, Middle Channel)



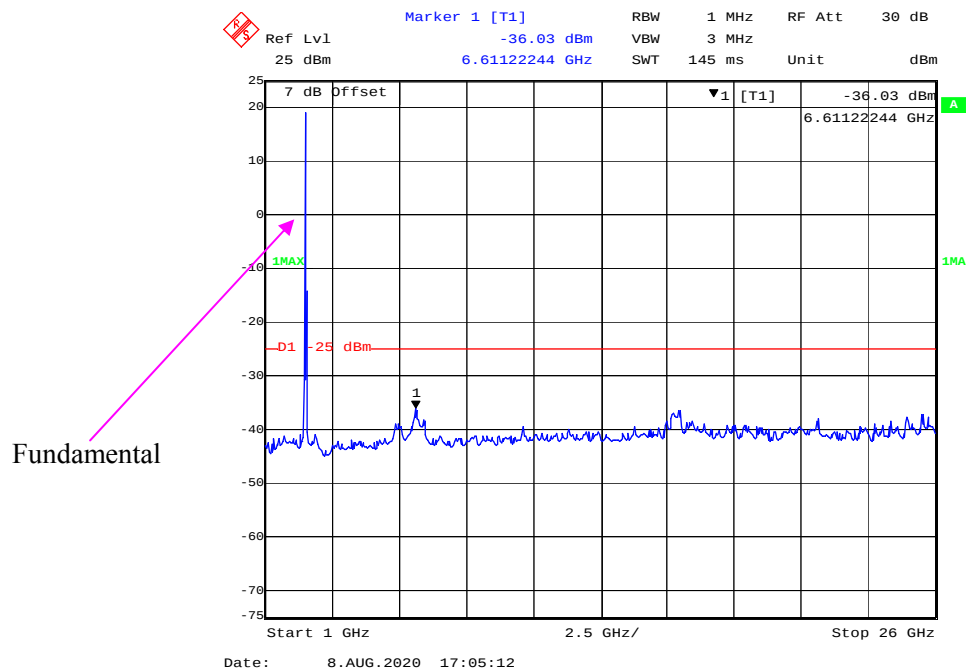
1 GHz – 26 GHz (16QAM, 15.0MHz, Middle Channel)



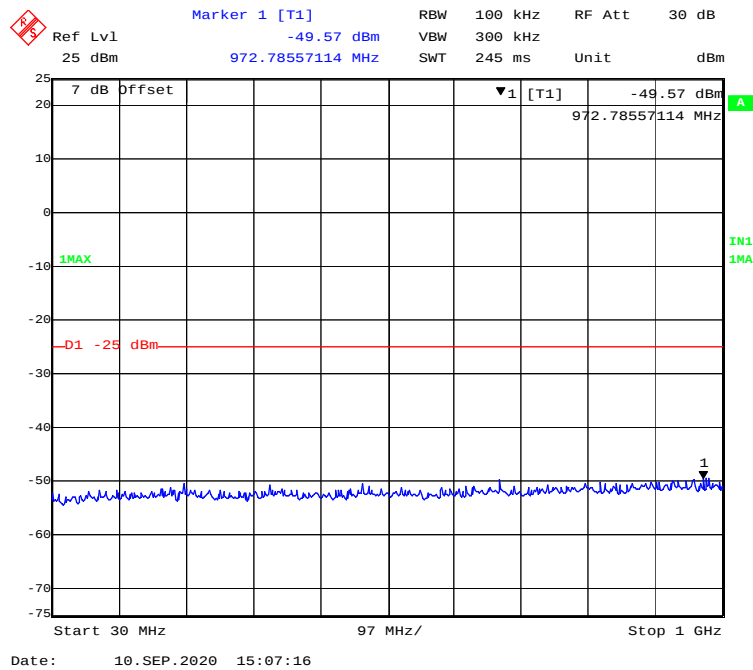
30 MHz – 1 GHz (16QAM, 20.0 MHz, Middle Channel)



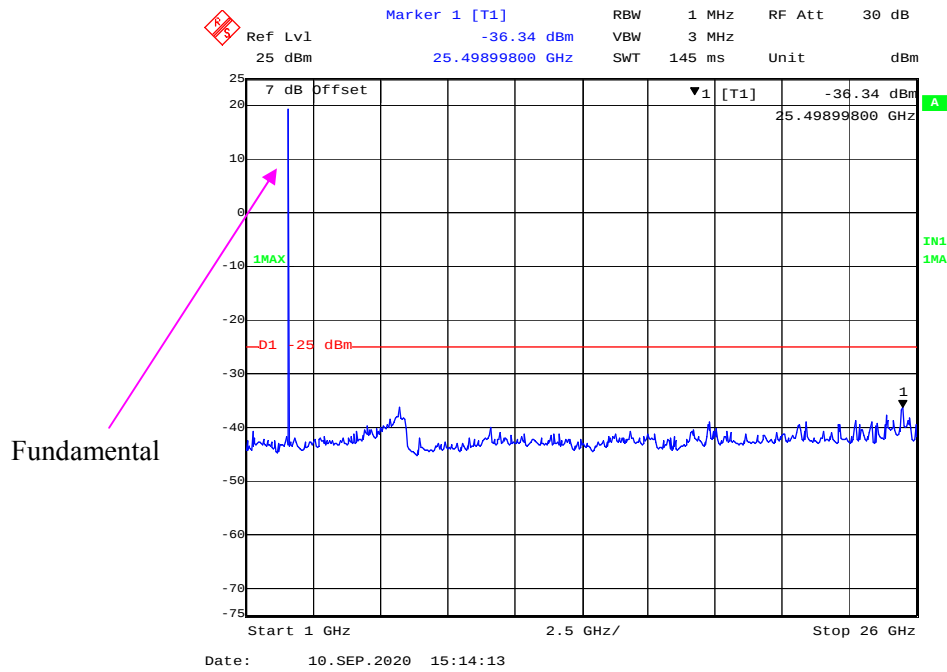
1 GHz – 26 GHz (16QAM, 20.0 MHz, Middle Channel)



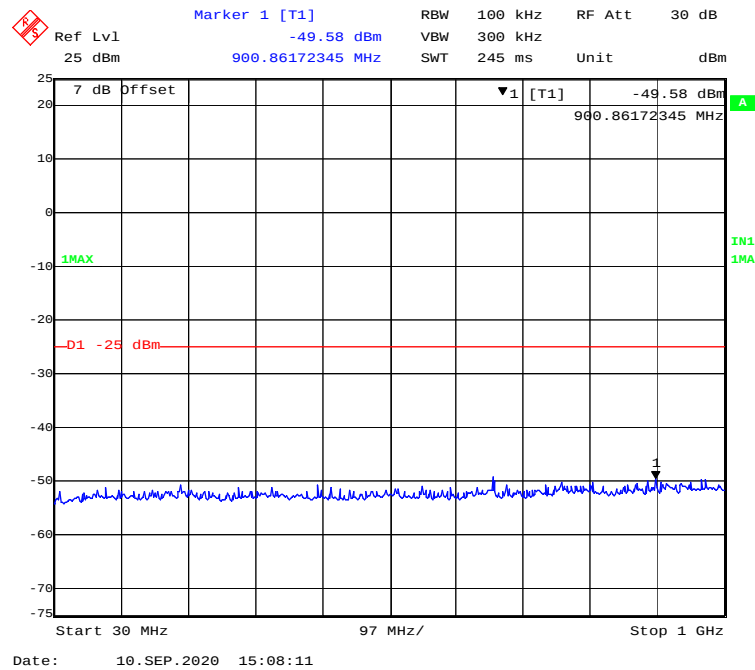
30 MHz – 1 GHz (QPSK, 5.0 MHz, High Channel)



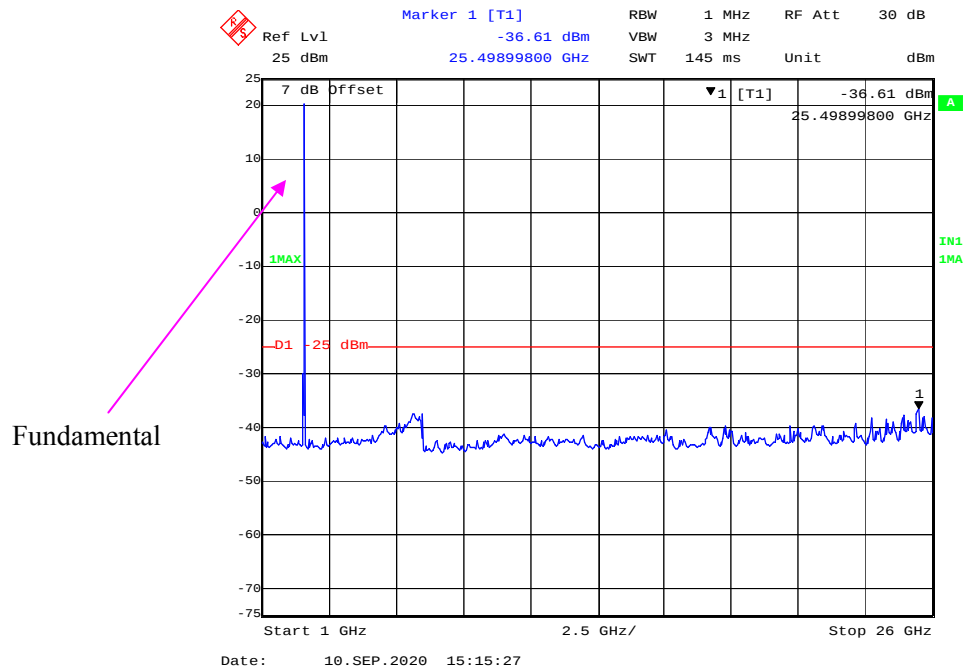
1 GHz – 26 GHz (QPSK, 5.0 MHz, High Channel)



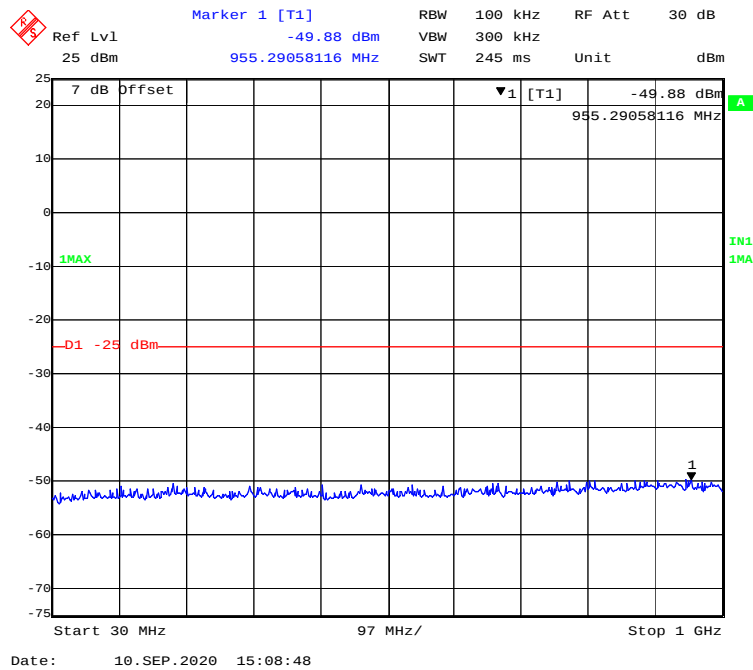
30 MHz – 1 GHz (QPSK, 10.0 MHz, High Channel)



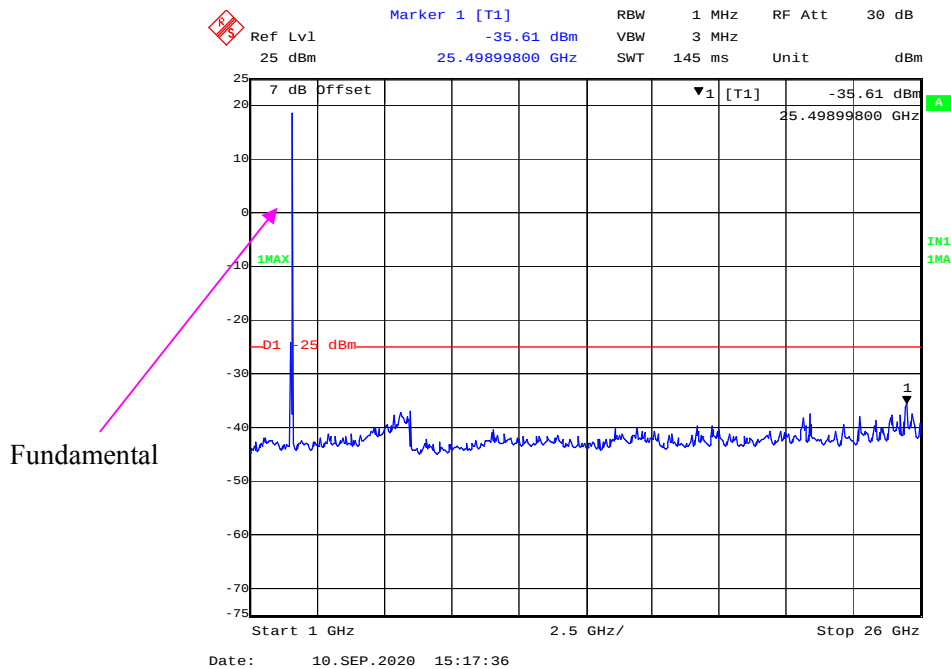
1 GHz – 26 GHz (QPSK, 10.0 MHz, High Channel)



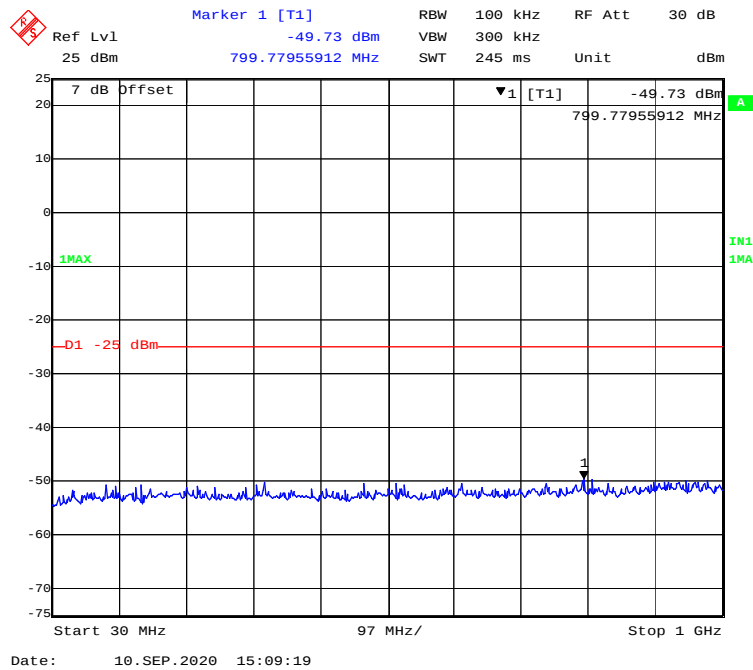
30 MHz – 1 GHz (QPSK, 15.0 MHz, High Channel)



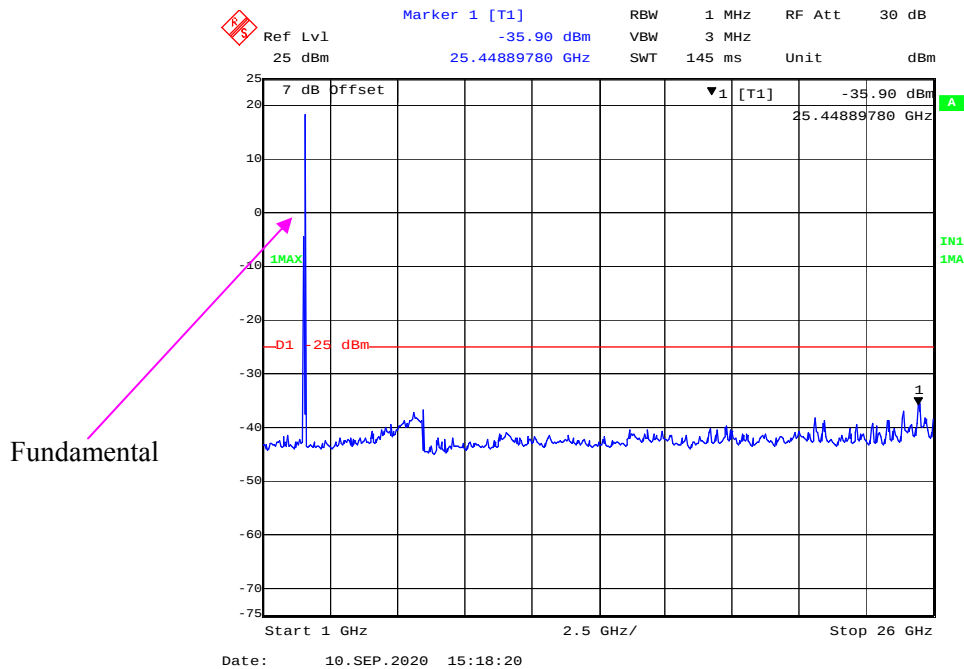
1 GHz – 26 GHz (QPSK, 15.0MHz, High Channel)



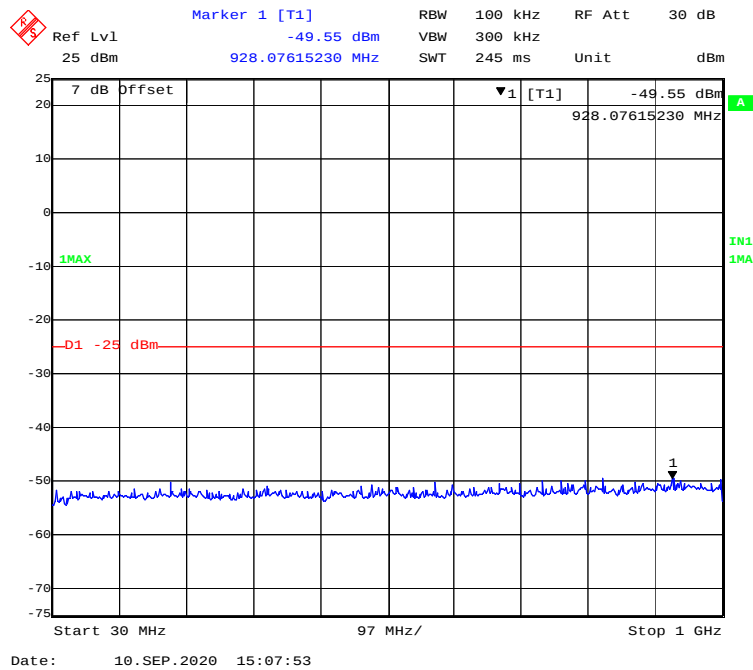
30 MHz – 1 GHz (QPSK, 20.0 MHz, High Channel)



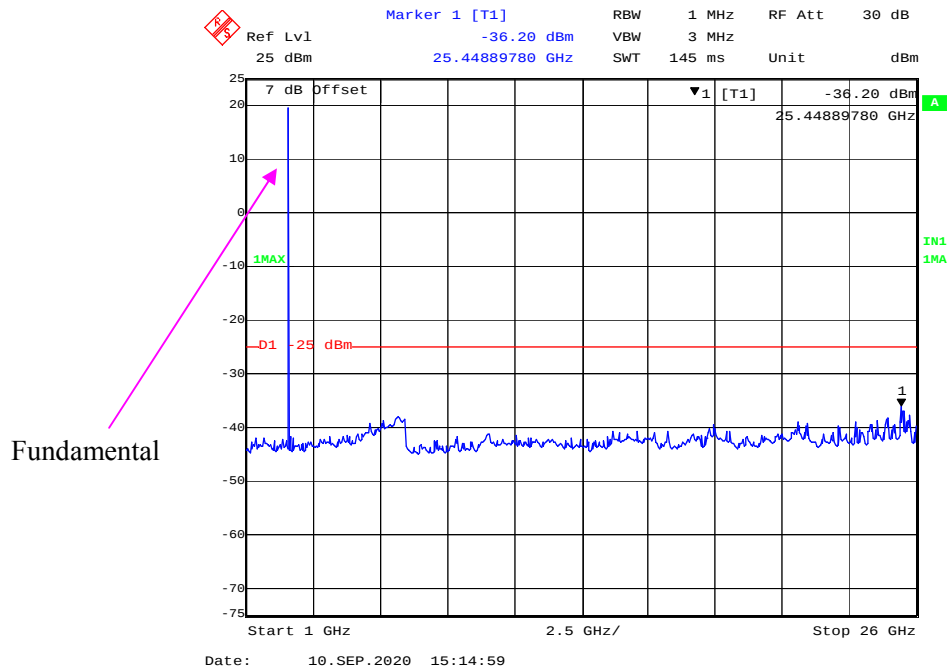
1 GHz – 26 GHz (QPSK, 20.0 MHz, High Channel)



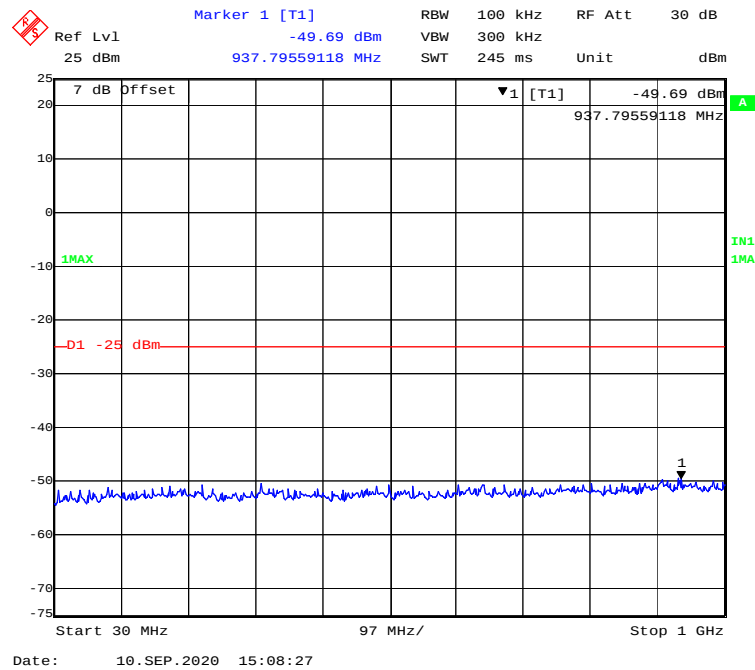
30 MHz – 1 GHz (16QAM, 5.0 MHz, High Channel)



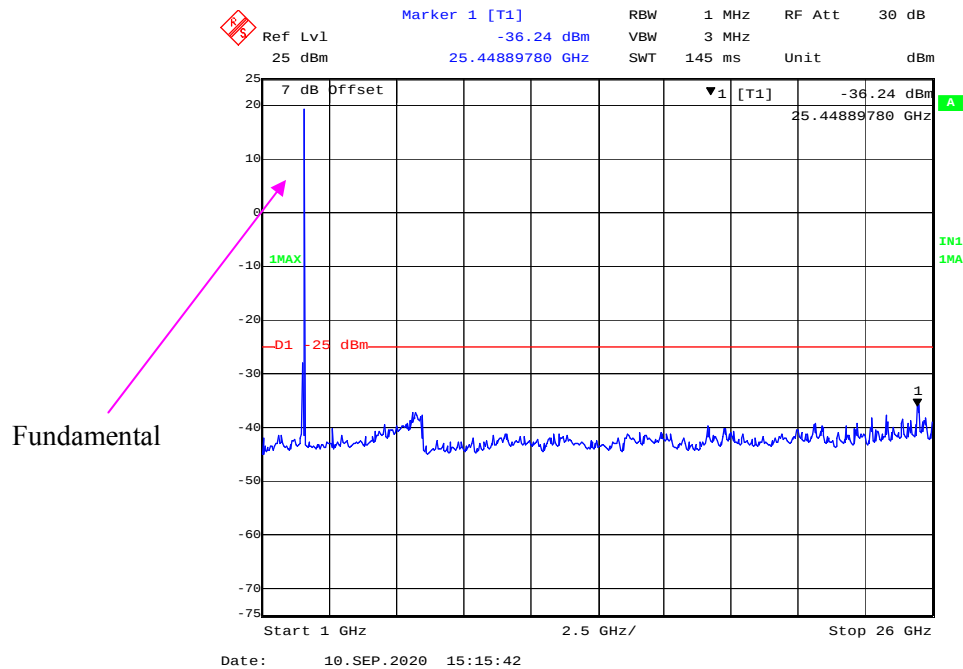
1 GHz – 26 GHz (16QAM, 5.0 MHz, High Channel)



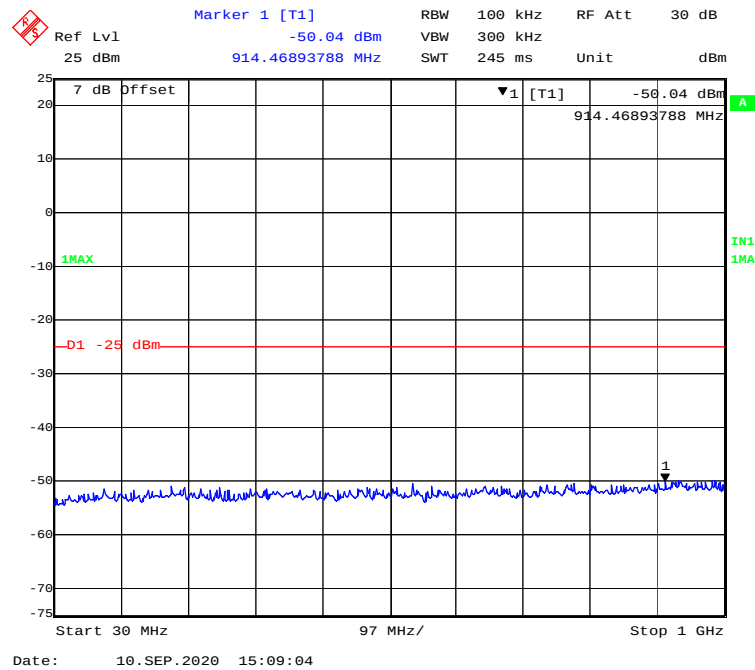
30 MHz – 1 GHz (16QAM, 10.0 MHz, High Channel)



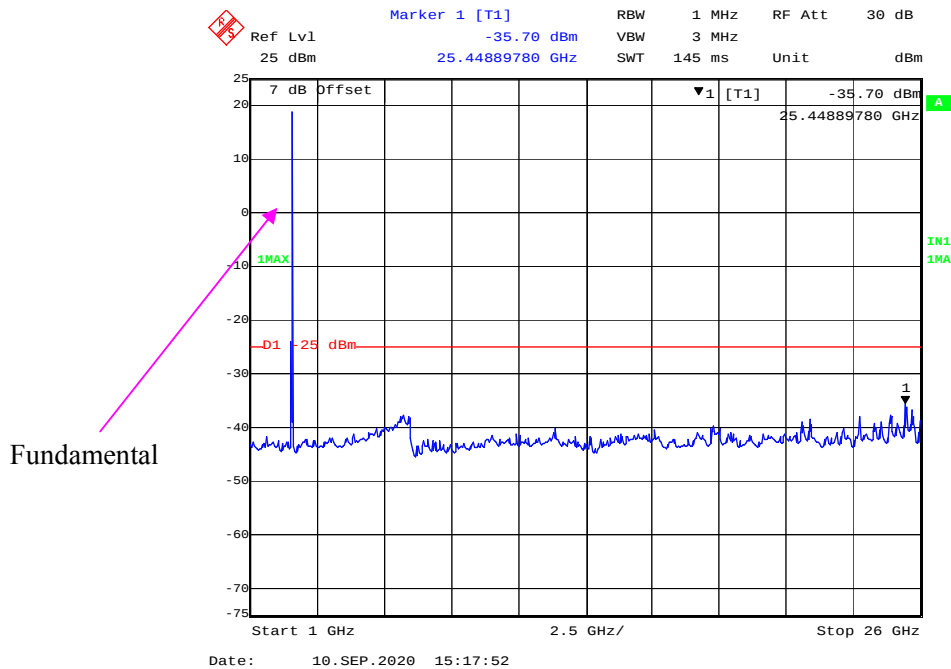
1 GHz – 26 GHz (16QAM, 10.0 MHz, High Channel)



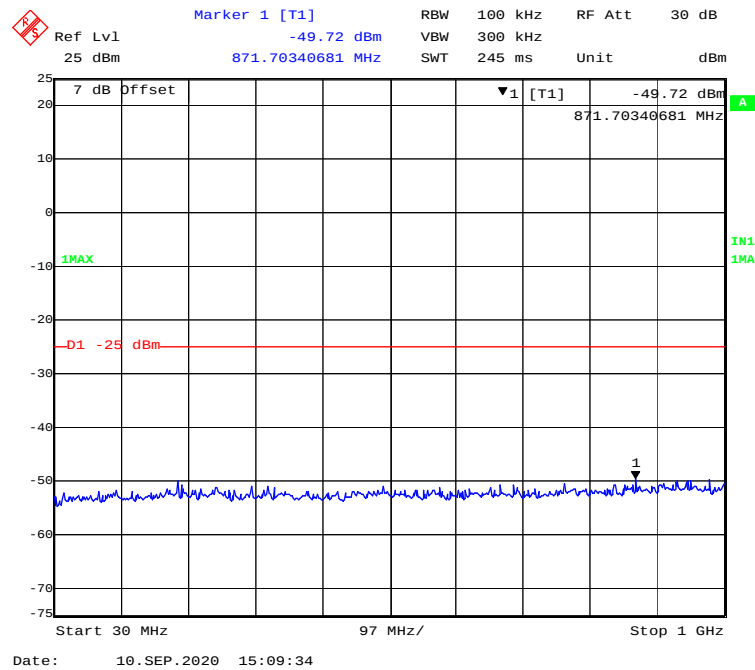
30 MHz – 1 GHz (16QAM, 15.0 MHz, High Channel)



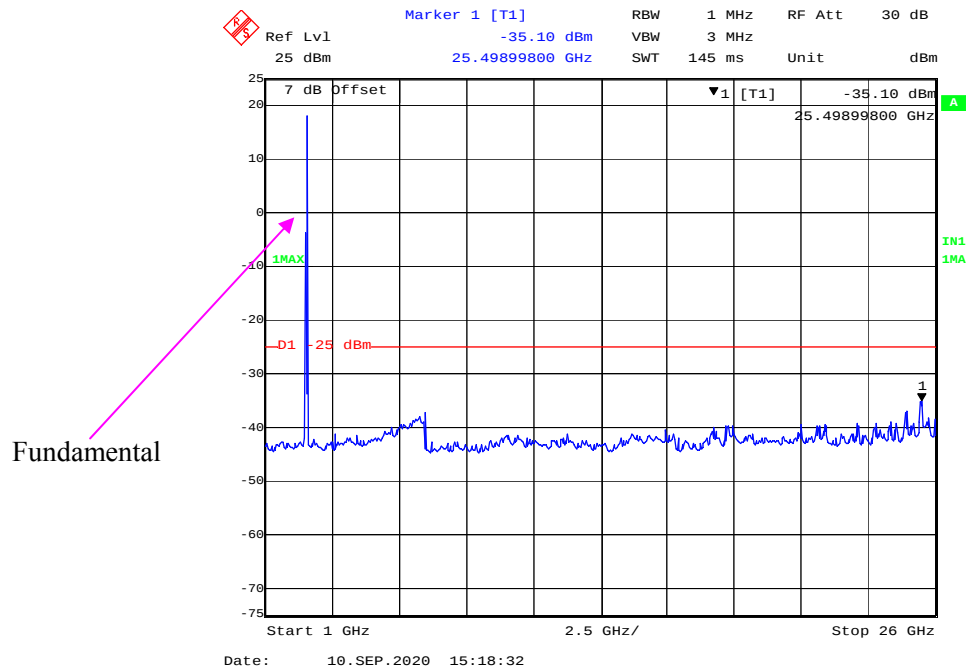
1 GHz – 26 GHz (16QAM, 15.0MHz, High Channel)



30 MHz – 1 GHz (16QAM, 20.0 MHz, High Channel)



1 GHz – 26 GHz (16QAM, 20.0 MHz, High Channel)



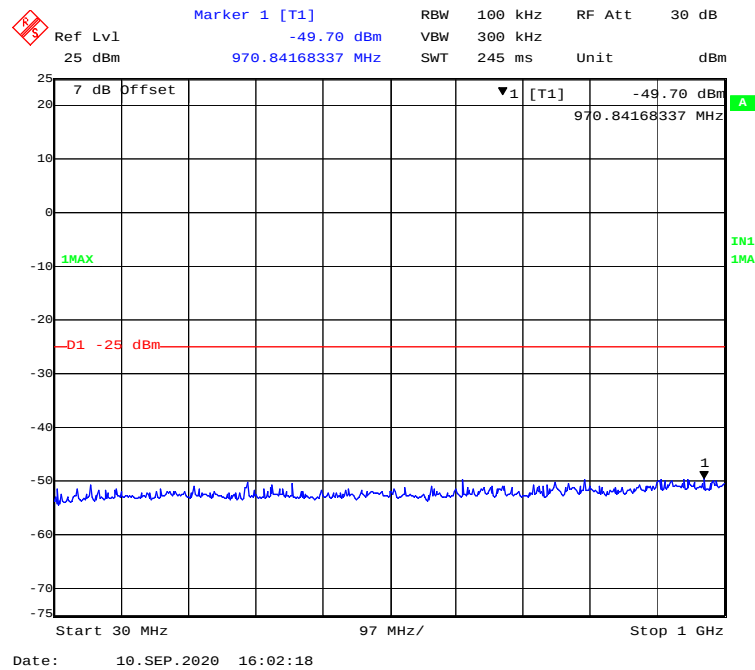
30 MHz – 1 GHz (QPSK, 5.0 MHz, Low Channel)



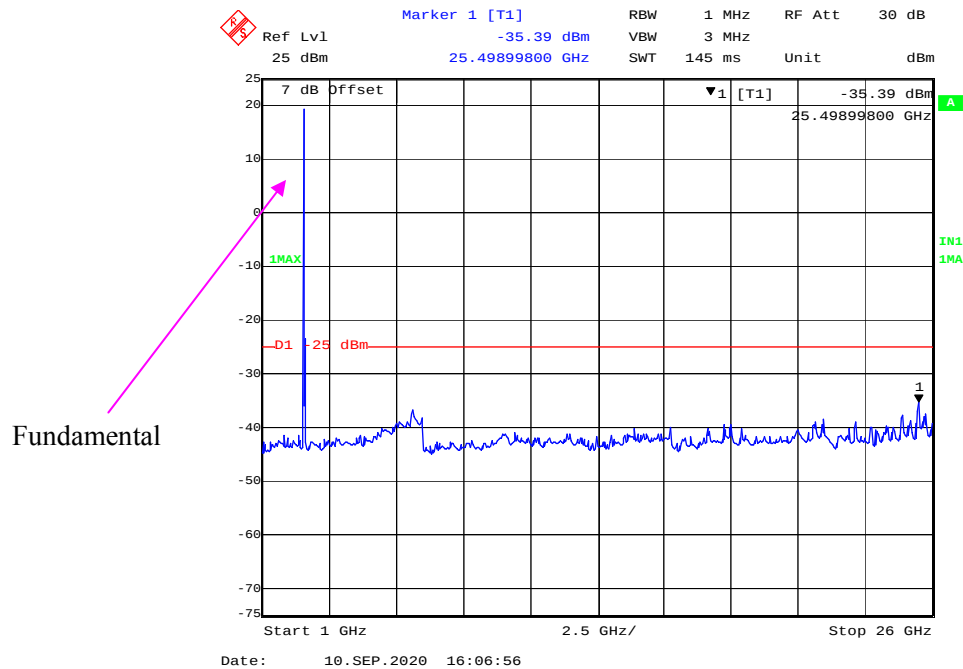
Date: 10.SEP.2020 16:04:15

Fundamental

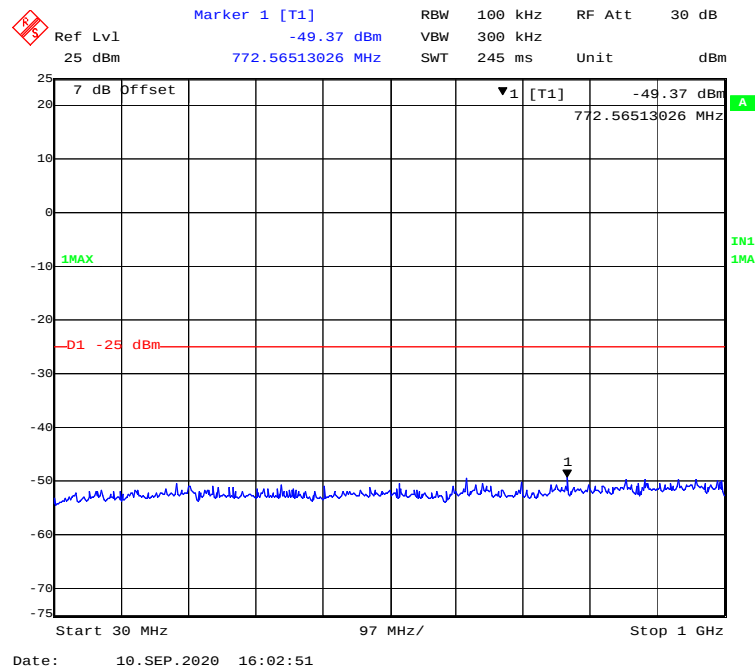
30 MHz – 1 GHz (QPSK, 10.0 MHz, Low Channel)



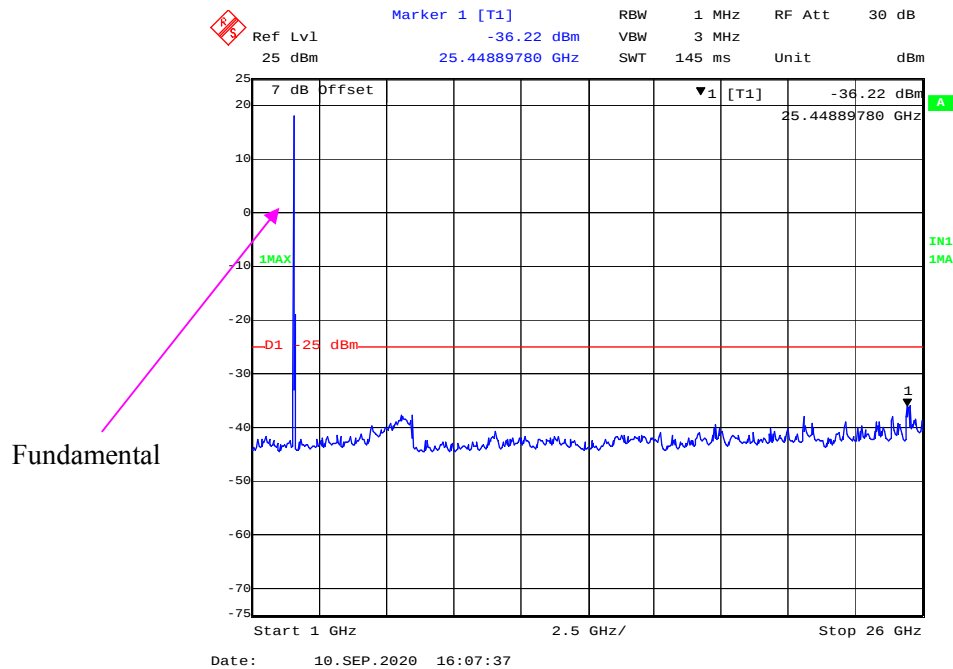
1 GHz – 26 GHz (QPSK, 10.0 MHz, Low Channel)



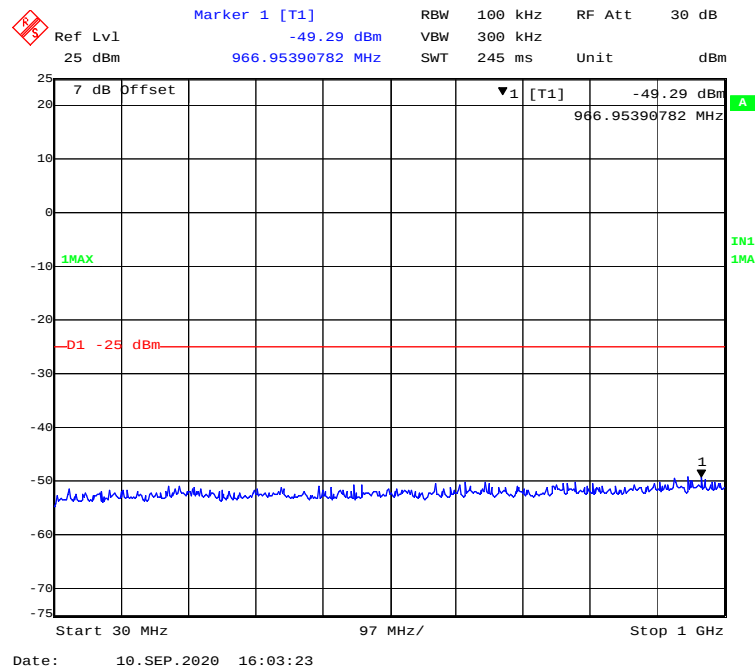
30 MHz – 1 GHz (QPSK, 15.0 MHz, Low Channel)



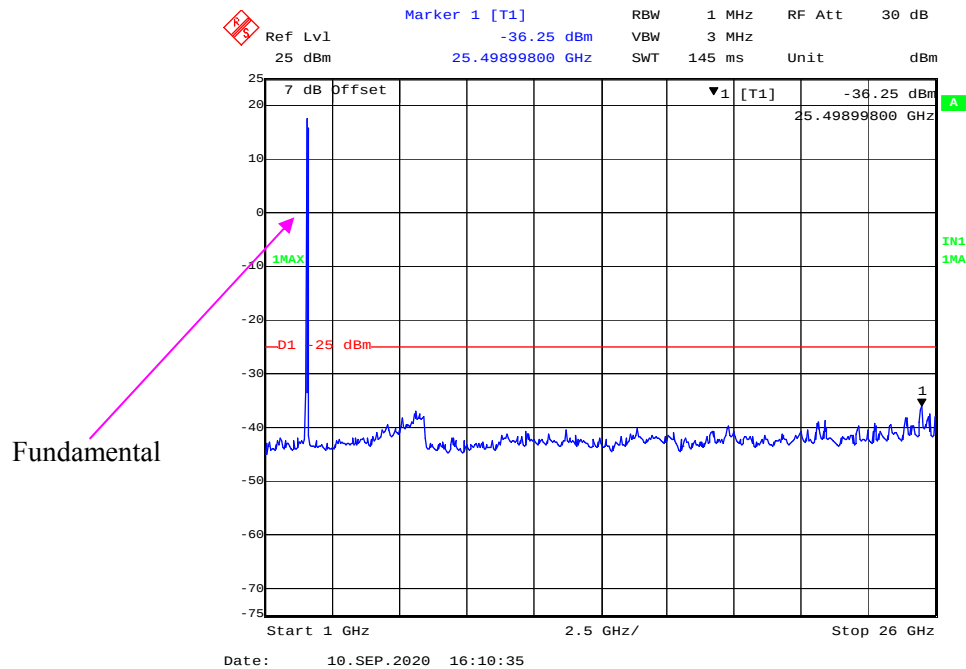
1 GHz – 26 GHz (QPSK, 15.0MHz, Low Channel)



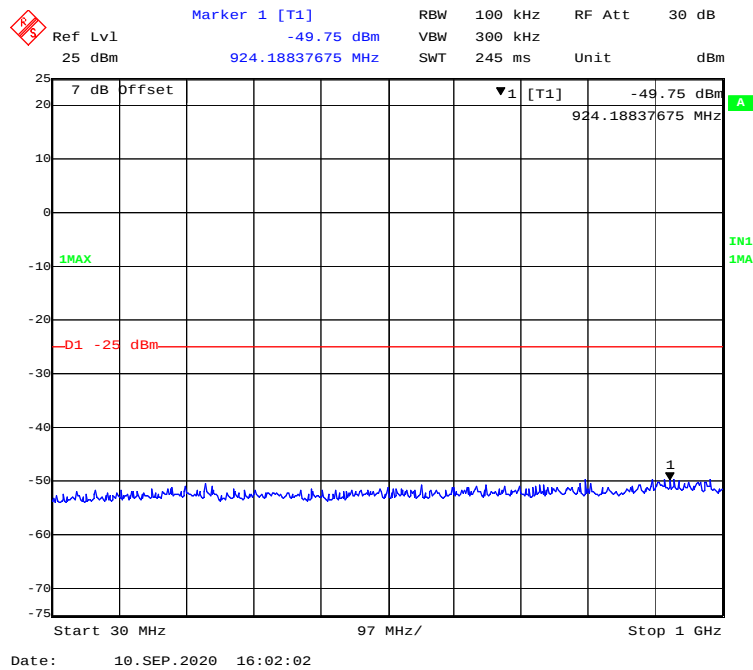
30 MHz – 1 GHz (QPSK, 20.0 MHz, Low Channel)



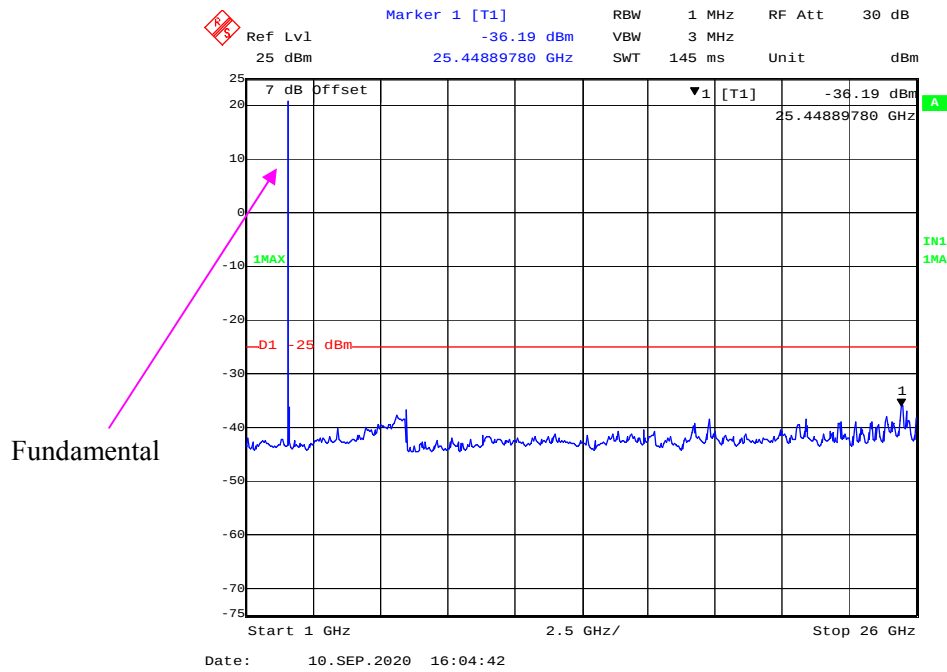
1 GHz – 26 GHz (QPSK, 20.0 MHz, Low Channel)



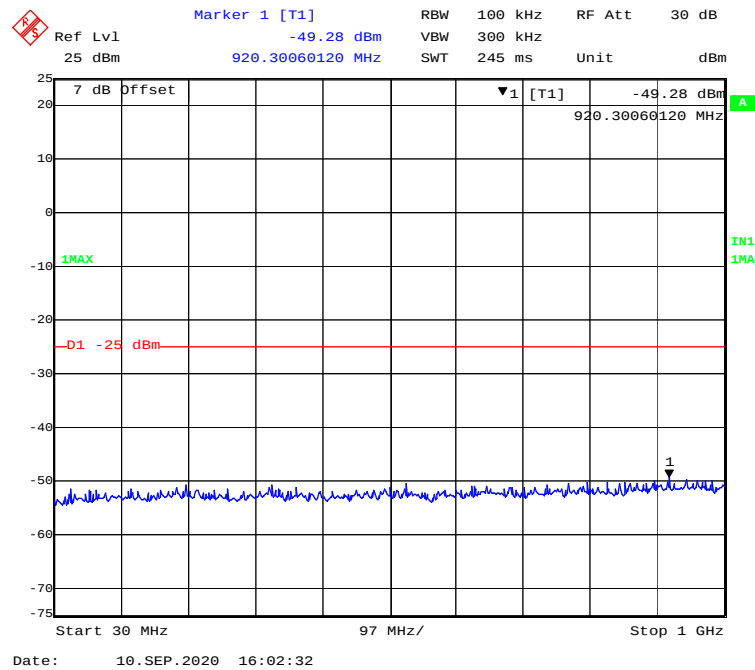
30 MHz – 1 GHz (16QAM, 5.0 MHz, Low Channel)



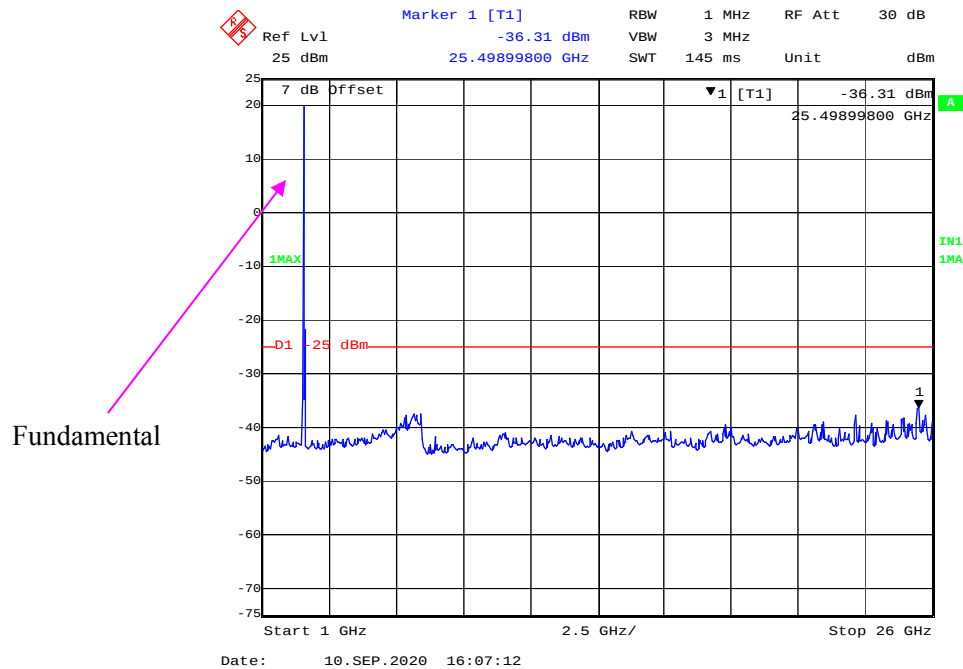
1 GHz – 26 GHz (16QAM, 5.0 MHz, Low Channel)



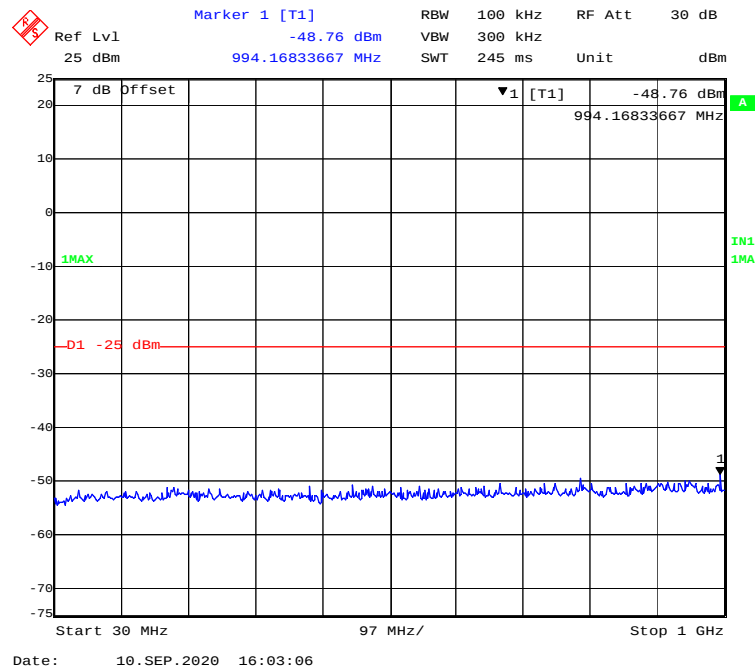
30 MHz – 1 GHz (16QAM, 10.0 MHz, Low Channel)



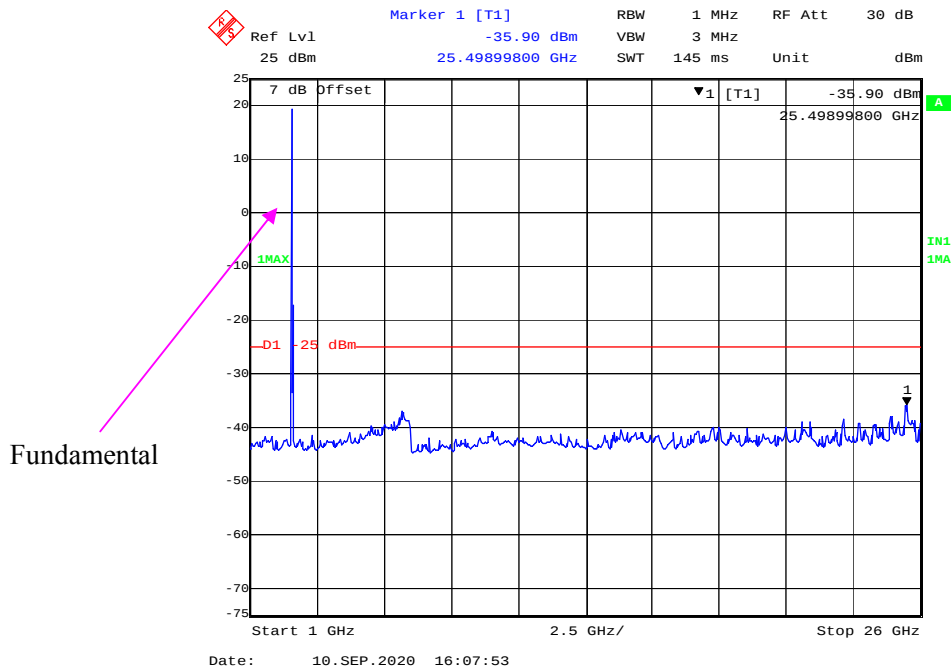
1 GHz – 26 GHz (16QAM, 10.0 MHz, Low Channel)



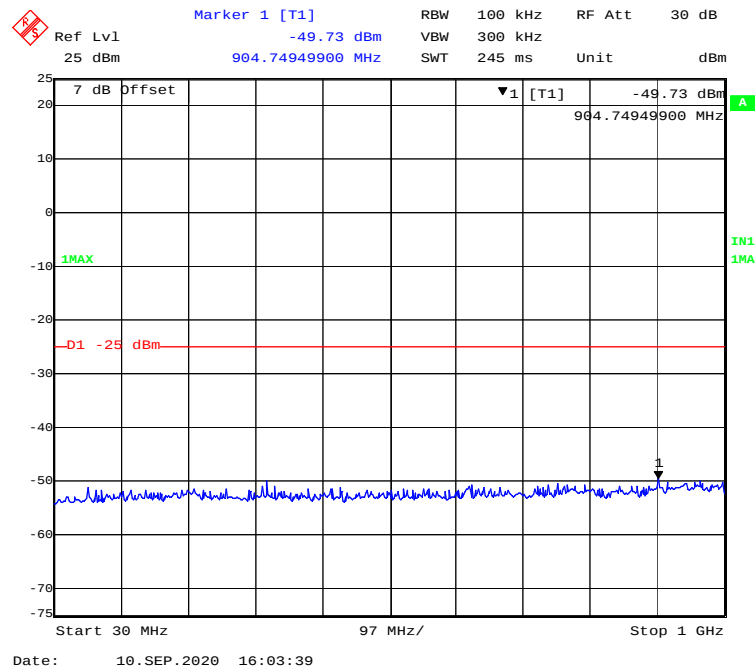
30 MHz – 1 GHz (16QAM, 15.0 MHz, Low Channel)



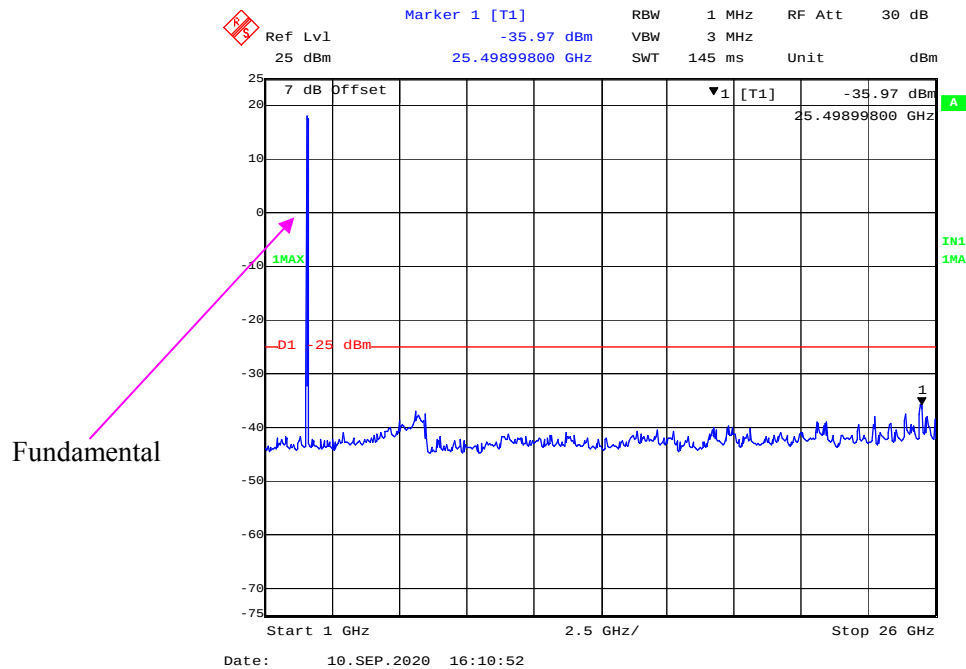
1 GHz – 26 GHz (16QAM, 15.0MHz, Low Channel)



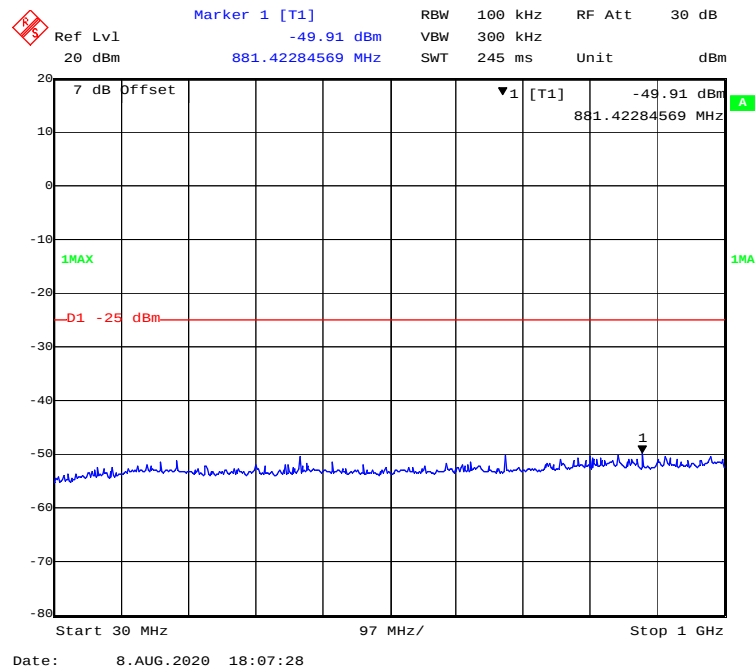
30 MHz – 1 GHz (16QAM, 20.0 MHz, Low Channel)



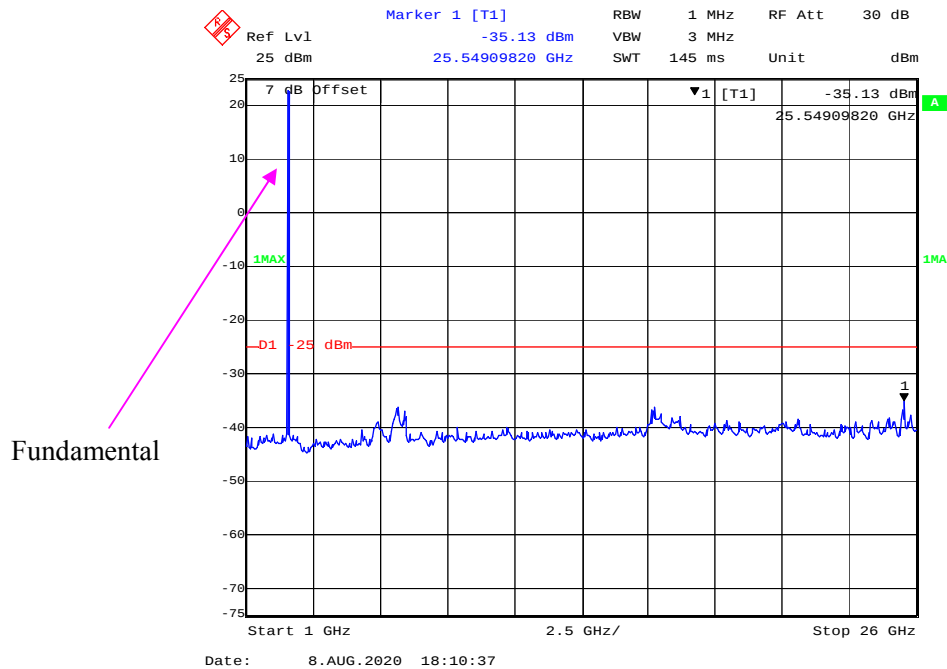
1 GHz – 26 GHz (16QAM, 20.0 MHz, Low Channel)



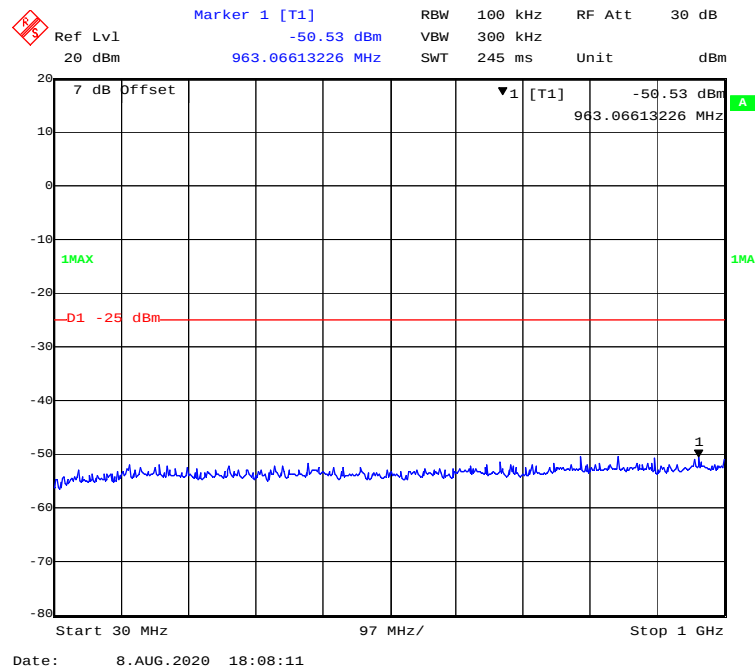
30 MHz – 1 GHz (QPSK, 5.0 MHz, Middle Channel)



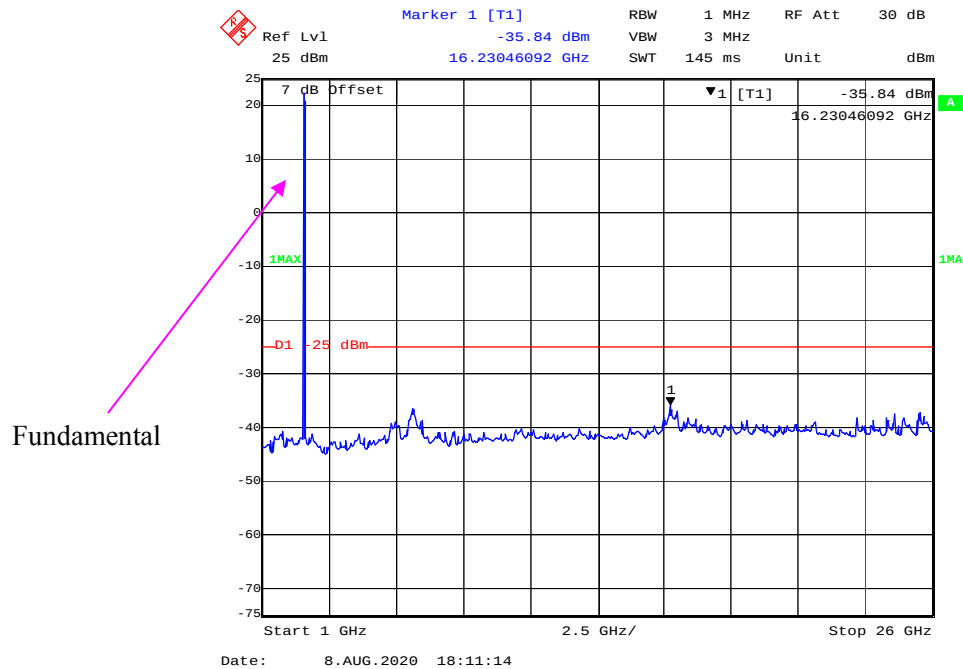
1 GHz – 26.5 GHz (QPSK, 5.0 MHz, Middle Channel)



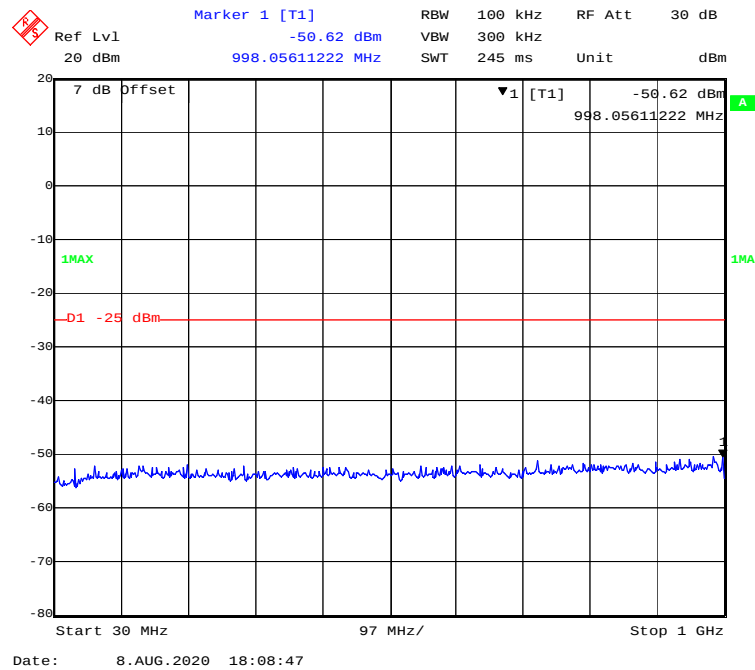
30 MHz – 1 GHz (QPSK, 10.0 MHz, Middle Channel)



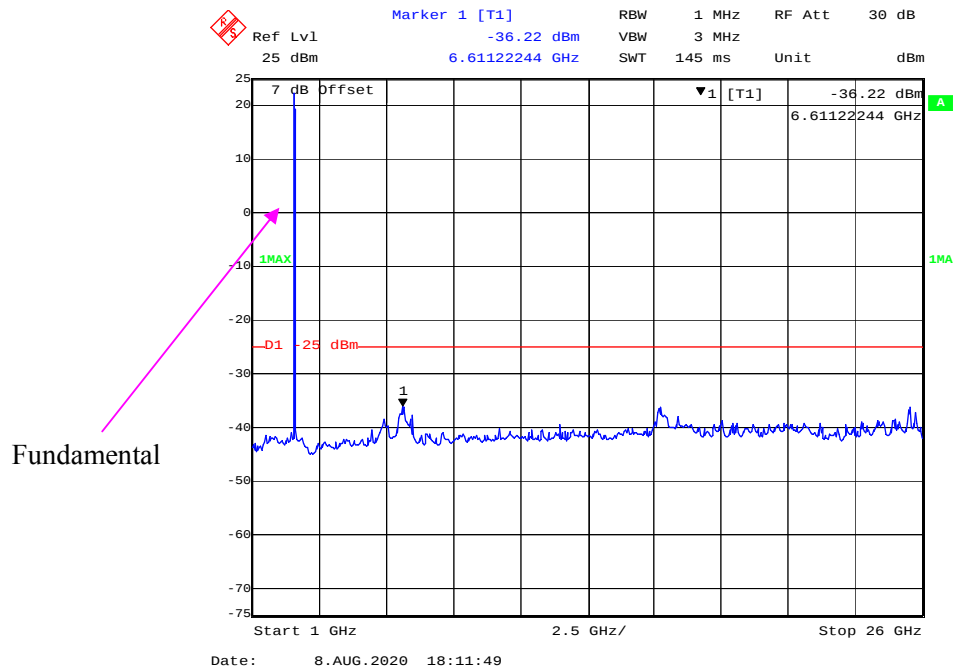
1 GHz – 26.5 GHz (QPSK, 10.0 MHz, Middle Channel)



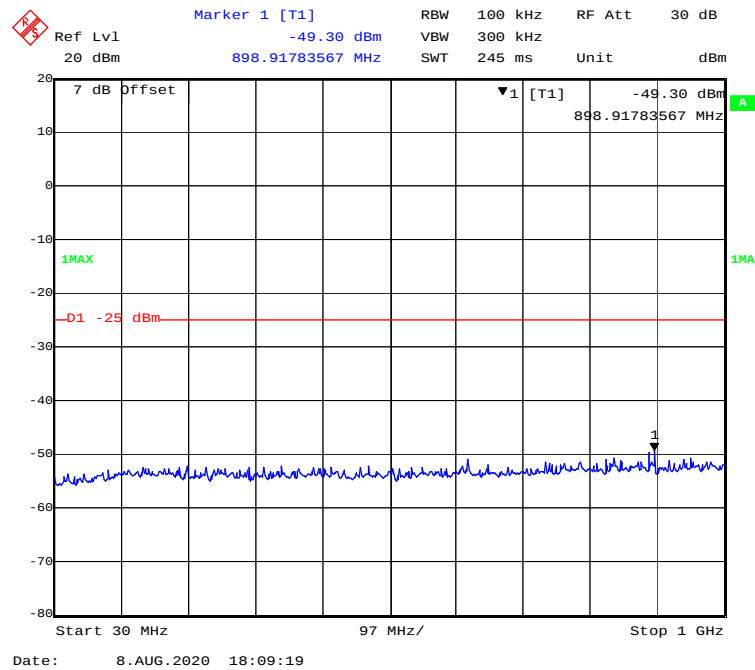
30 MHz – 1 GHz (QPSK, 15.0 MHz, Middle Channel)



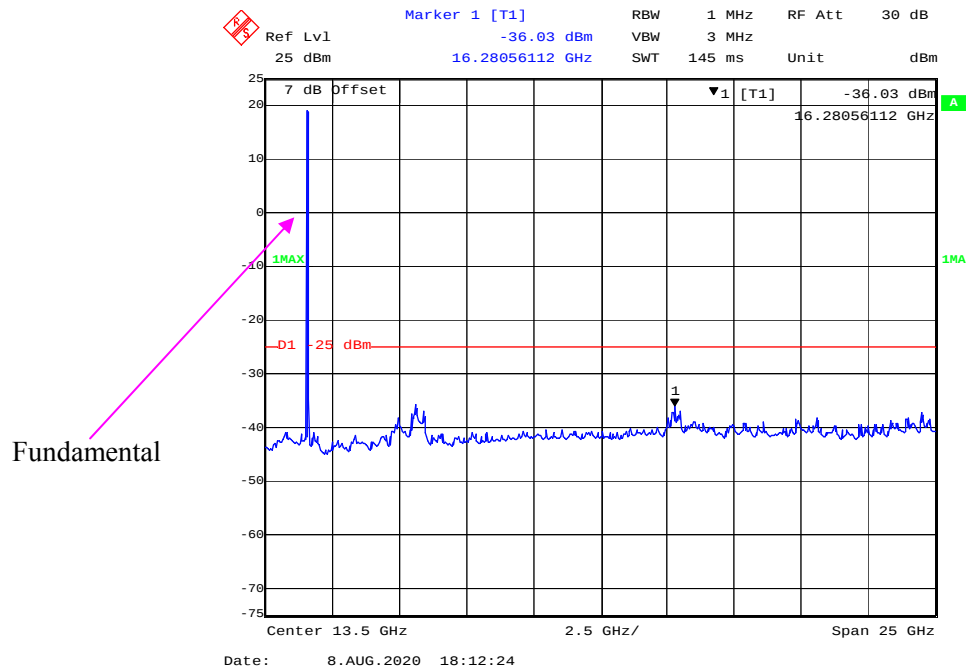
1 GHz – 26.5 GHz (QPSK, 15.0MHz, Middle Channel)



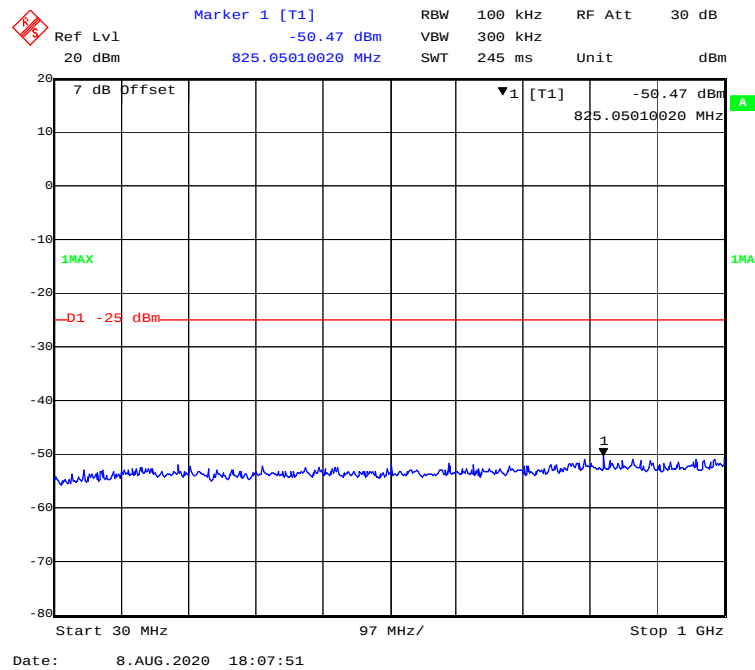
30 MHz – 1 GHz (QPSK, 20.0 MHz, Middle Channel)



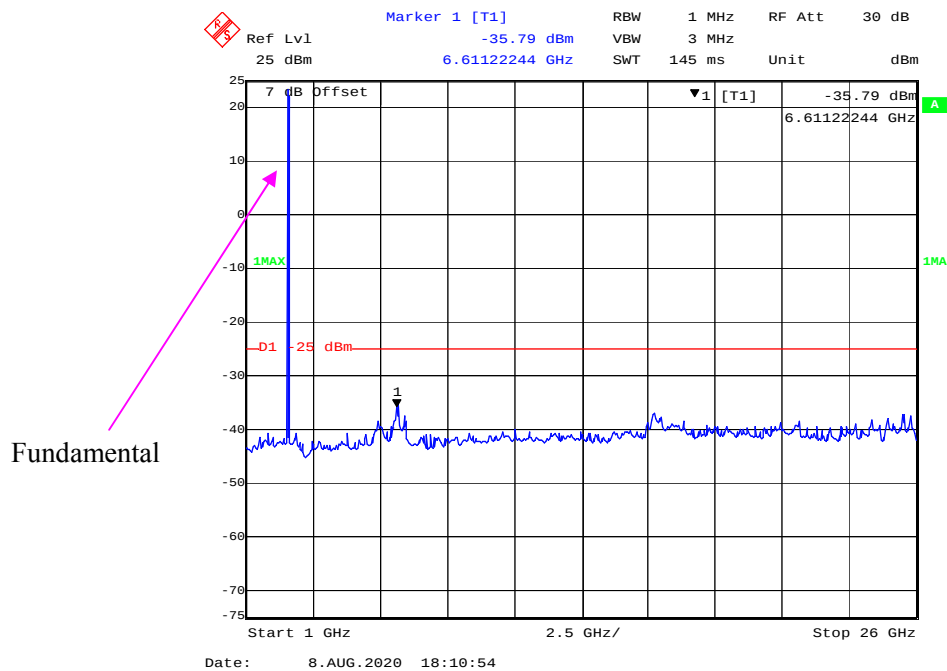
1 GHz – 26.5 GHz (QPSK, 20.0 MHz, Middle Channel)



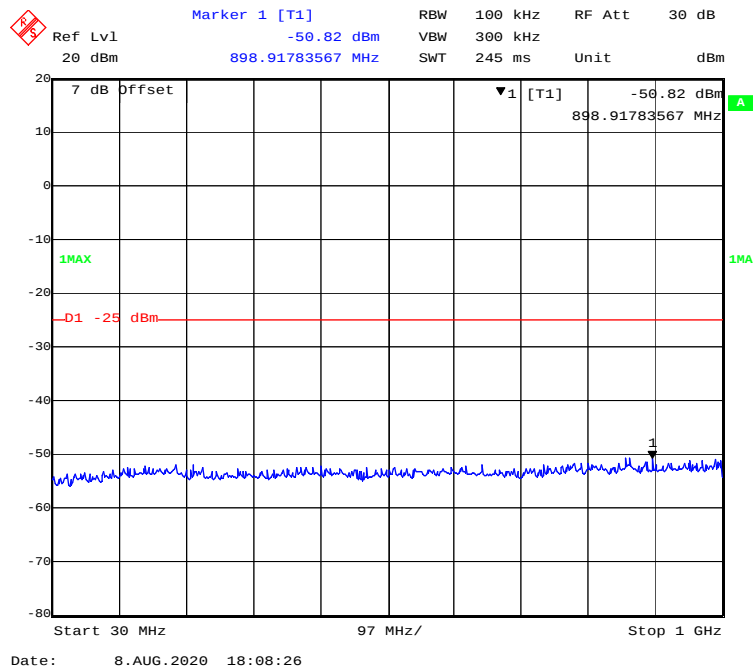
30 MHz – 1 GHz (16QAM, 5.0 MHz, Middle Channel)



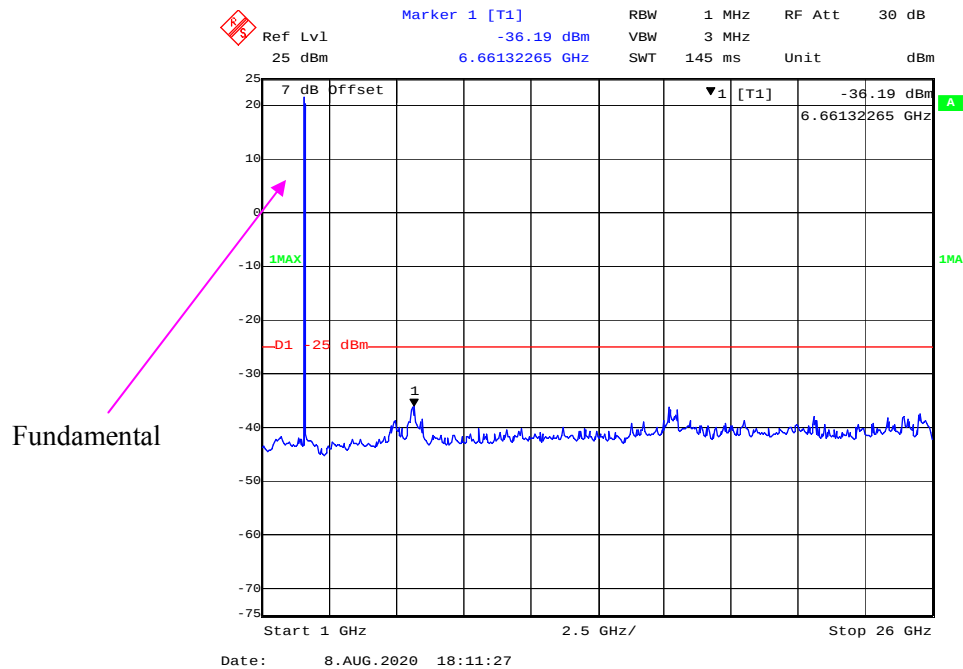
1 GHz – 26.5 GHz (16QAM, 5.0 MHz, Middle Channel)



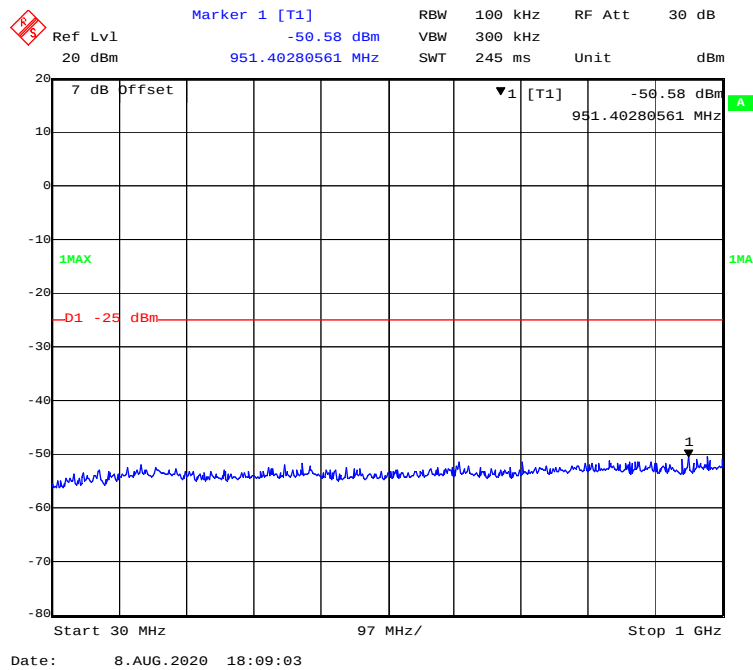
30 MHz – 1 GHz (16QAM, 10.0 MHz, Middle Channel)



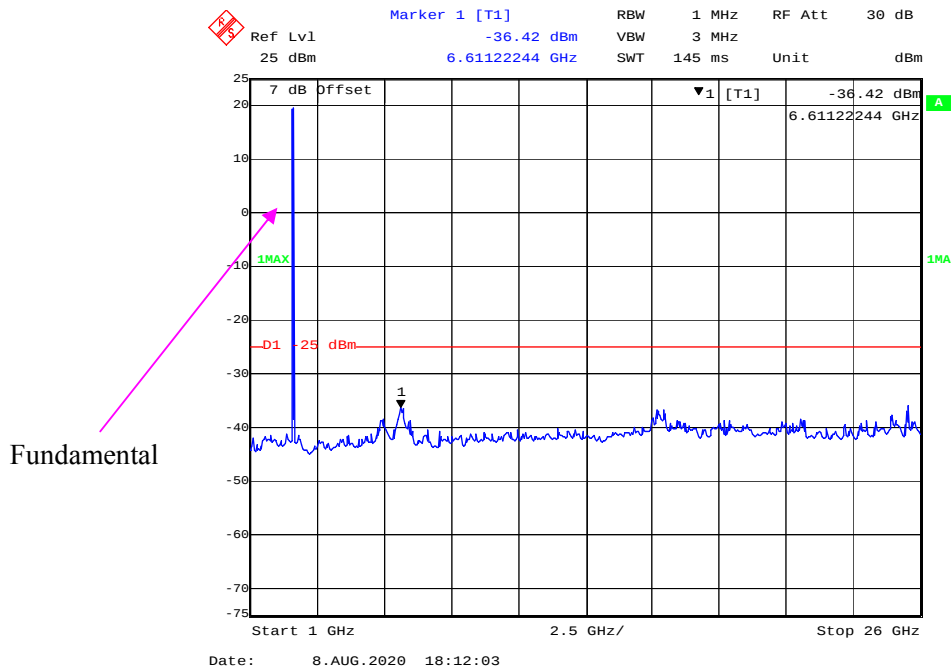
1 GHz – 26.5 GHz (16QAM, 10.0 MHz, Middle Channel)



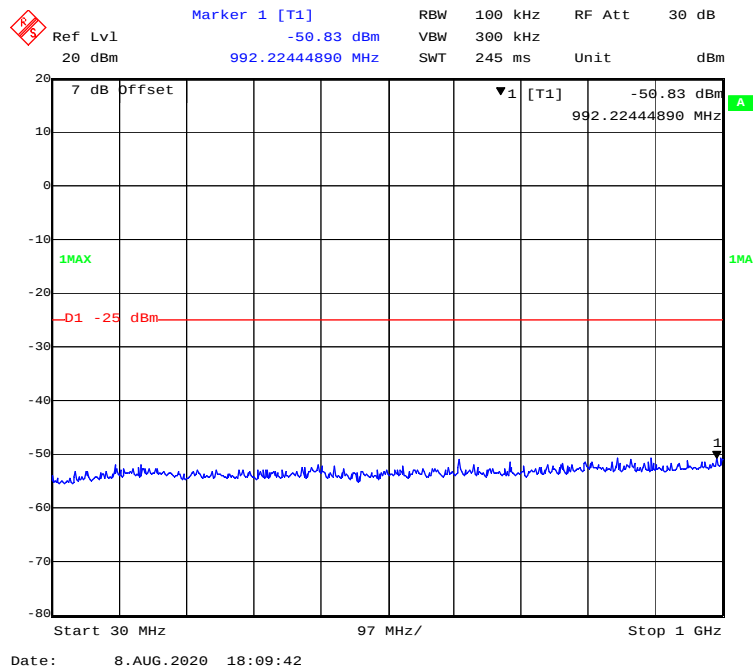
30 MHz – 1 GHz (16QAM, 15.0 MHz, Middle Channel)



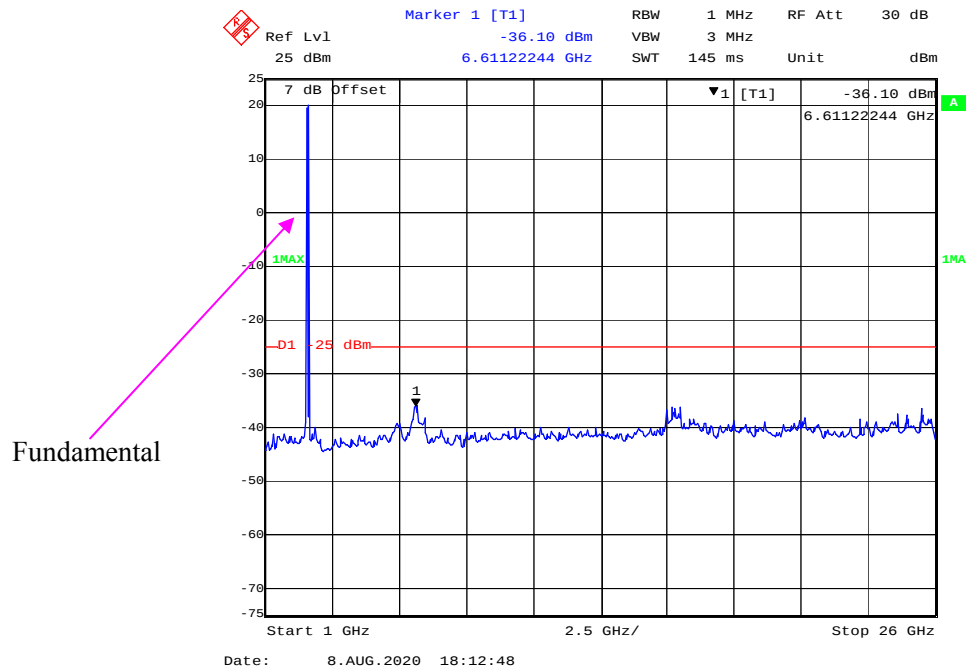
1 GHz – 26.5 GHz (16QAM, 15.0MHz, Middle Channel)



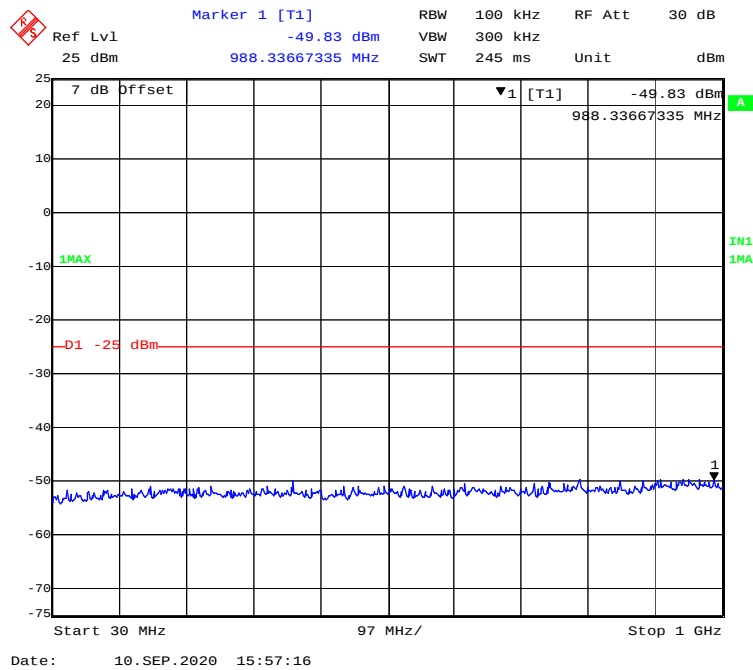
30 MHz – 1 GHz (16QAM, 20.0 MHz, Middle Channel)



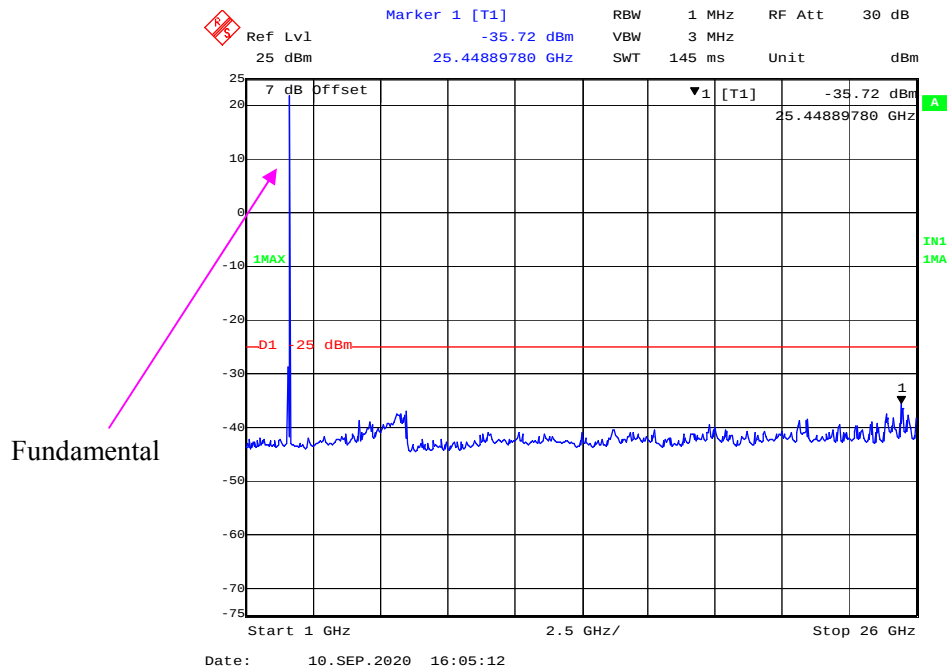
1 GHz – 26.5 GHz (16QAM, 20.0 MHz, Middle Channel)



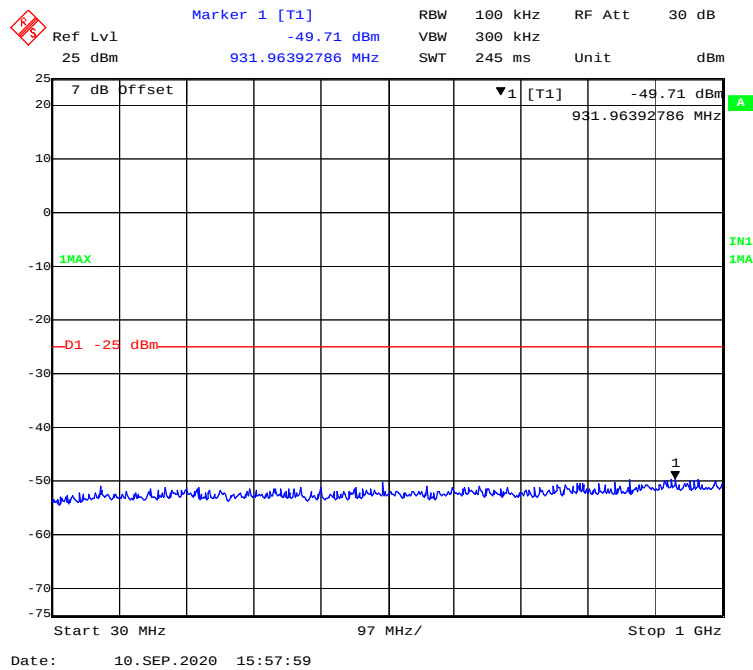
30 MHz – 1 GHz (QPSK, 5.0 MHz, High Channel)



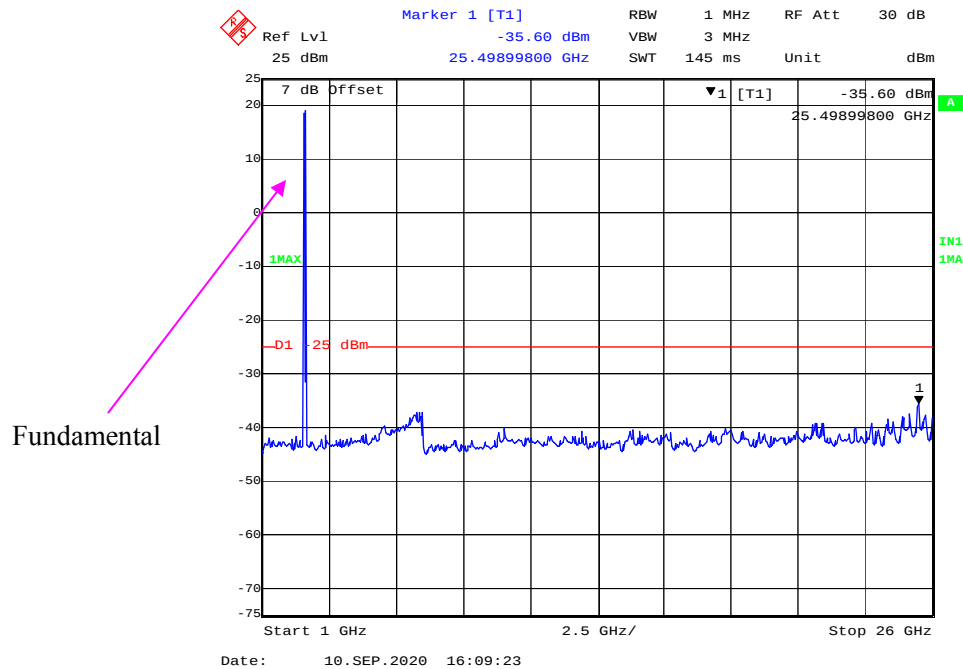
1 GHz – 26 GHz (QPSK, 5.0 MHz, High Channel)



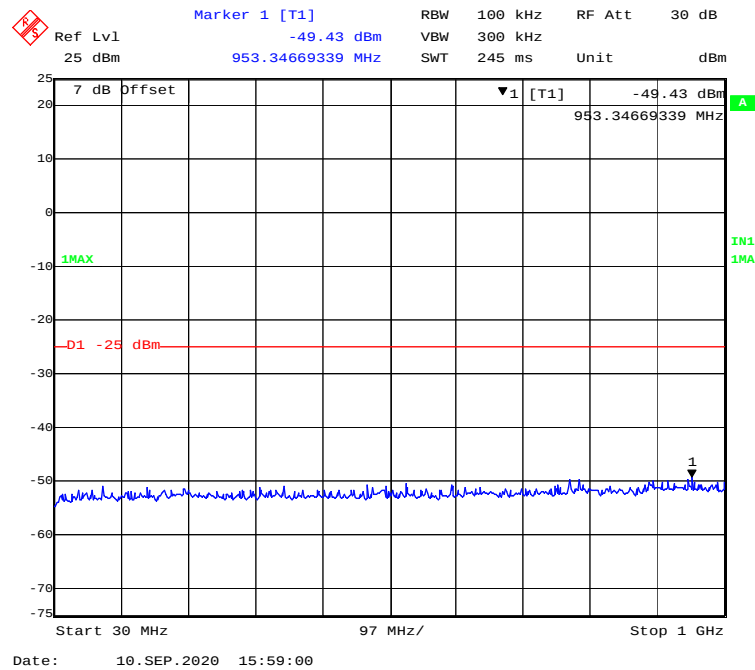
30 MHz – 1 GHz (QPSK, 10.0 MHz, High Channel)



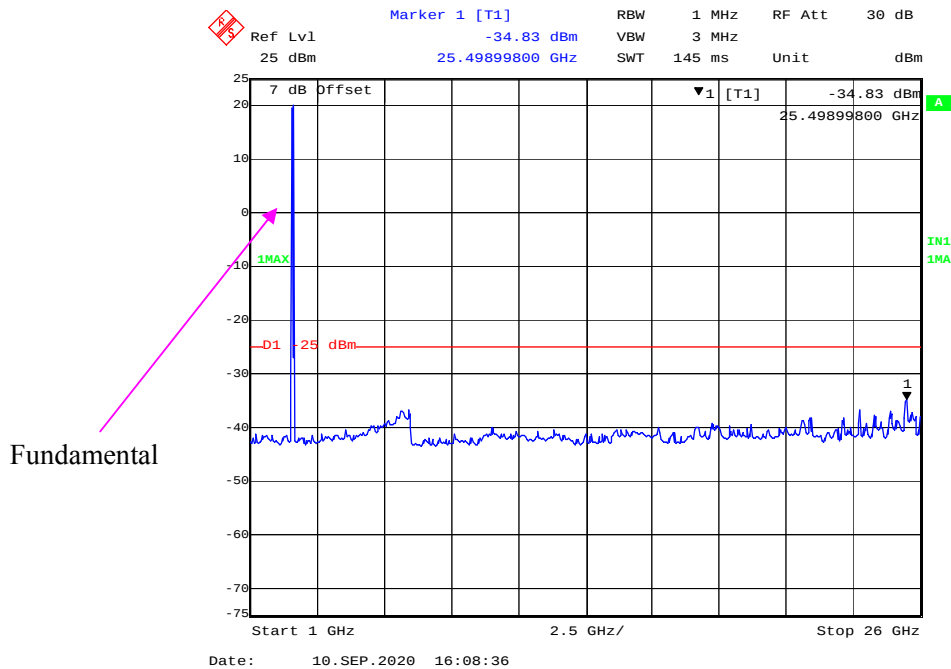
1 GHz – 26 GHz (QPSK, 10.0 MHz, High Channel)



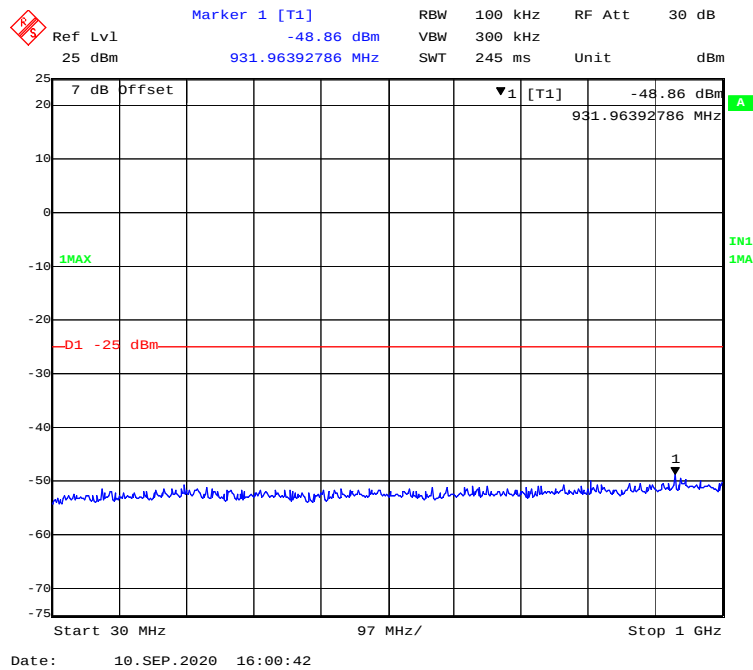
30 MHz – 1 GHz (QPSK, 15.0 MHz, High Channel)



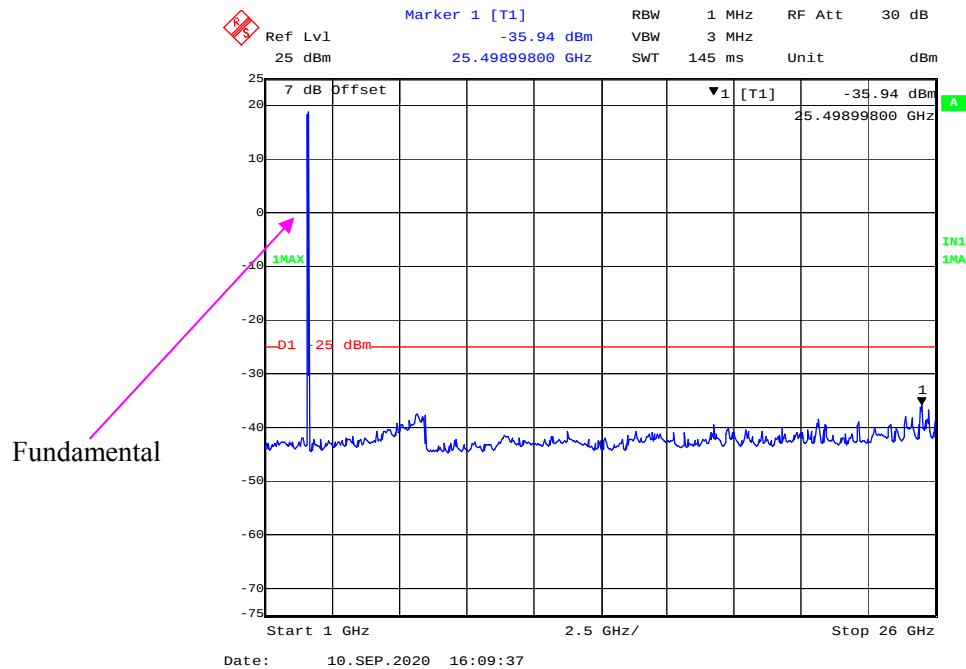
1 GHz – 26 GHz (QPSK, 15.0MHz, High Channel)



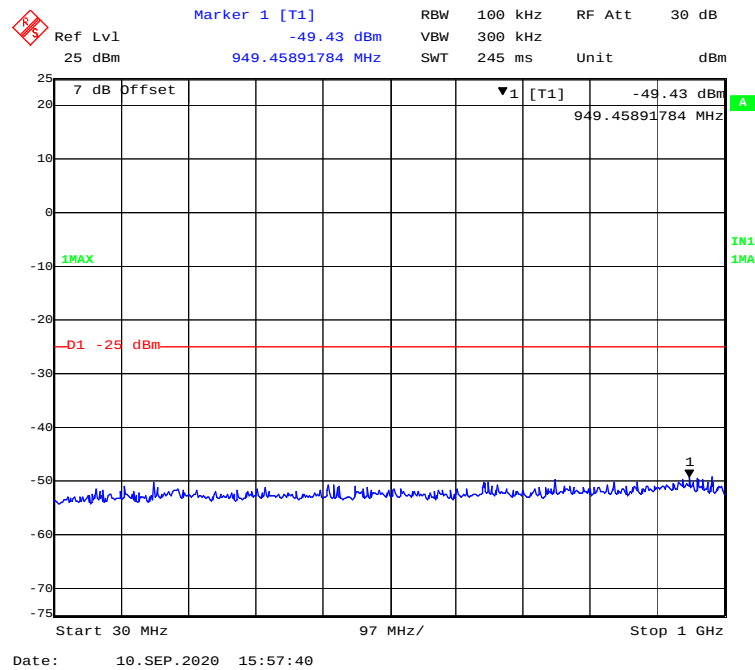
30 MHz – 1 GHz (QPSK, 20.0 MHz, High Channel)



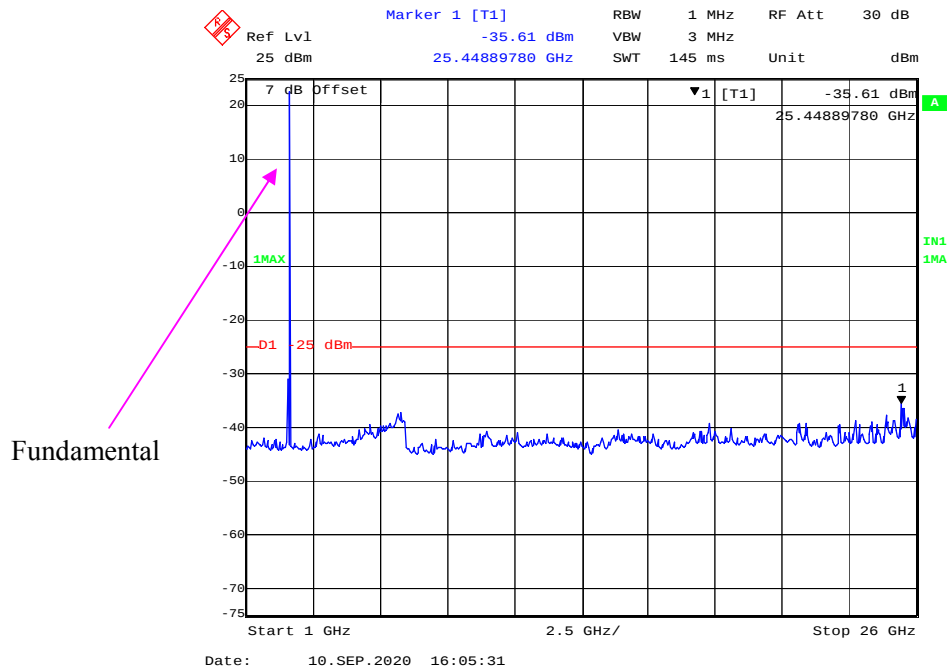
1 GHz – 26 GHz (QPSK, 20.0 MHz, High Channel)



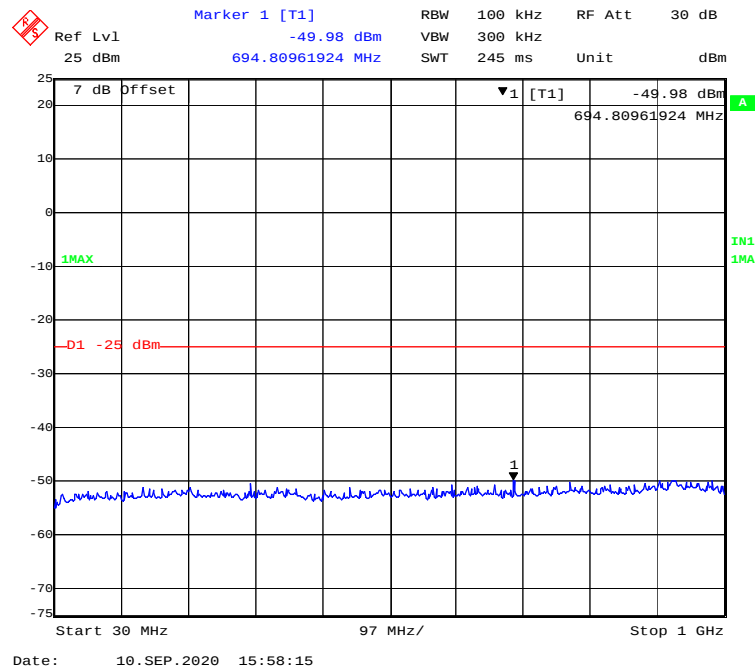
30 MHz – 1 GHz (16QAM, 5.0 MHz, High Channel)



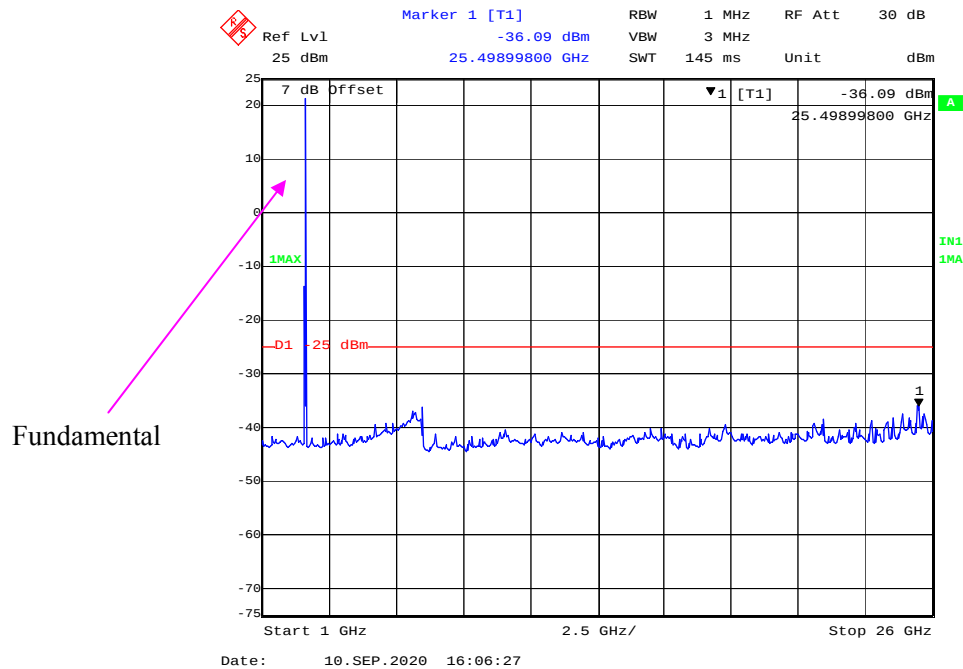
1 GHz – 26 GHz (16QAM, 5.0 MHz, High Channel)

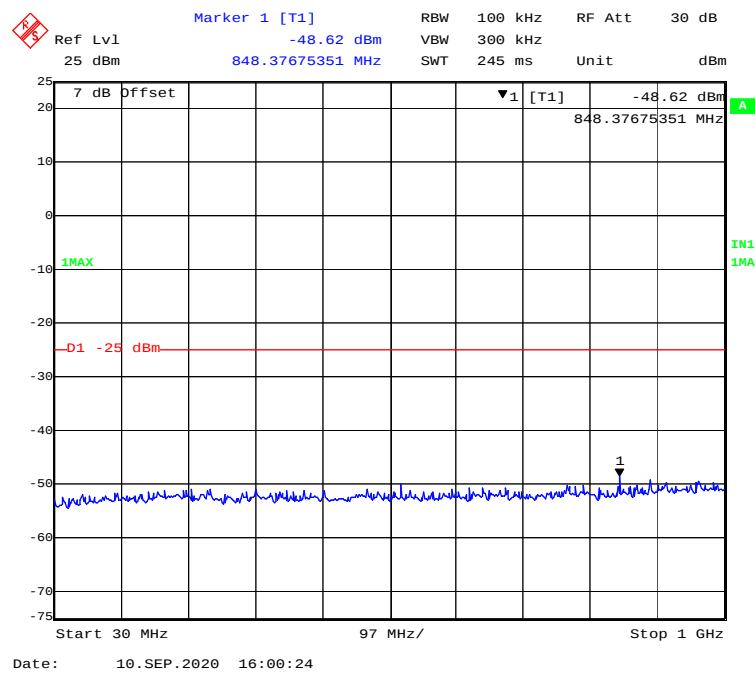
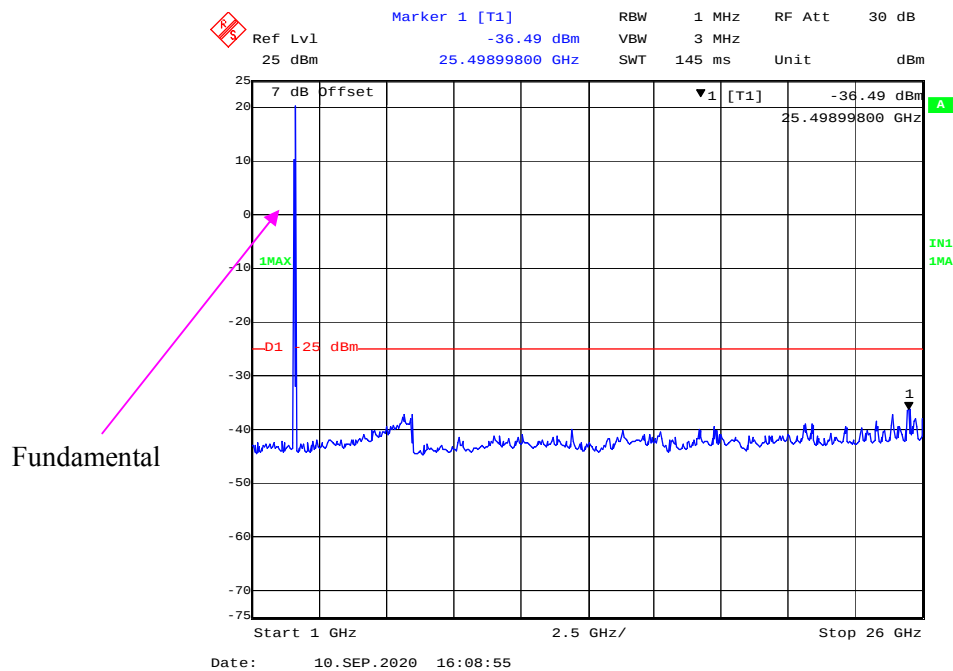


30 MHz – 1 GHz (16QAM, 10.0 MHz, High Channel)

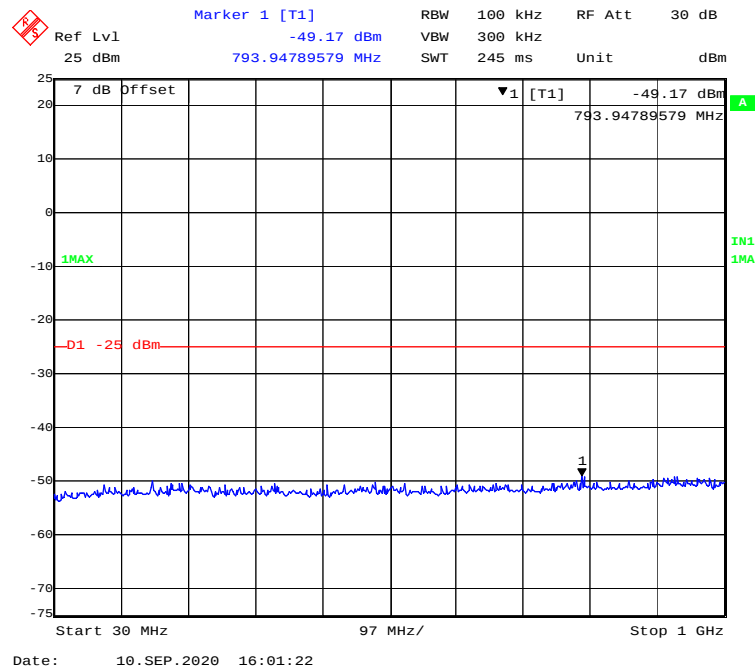


1 GHz – 26 GHz (16QAM, 10.0 MHz, High Channel)

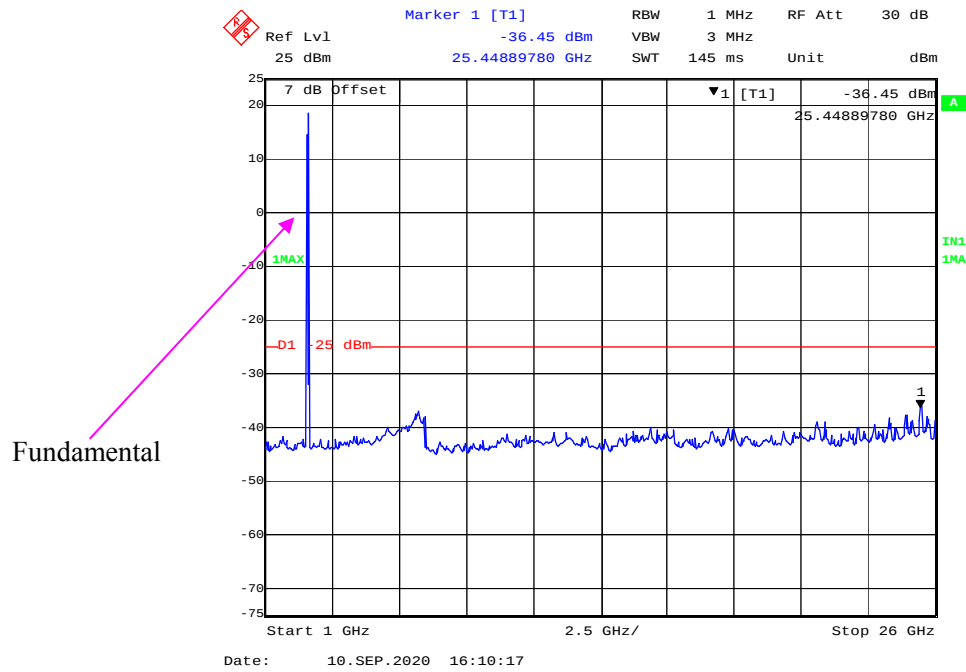


30 MHz – 1 GHz (16QAM, 15.0 MHz, High Channel)**1 GHz – 26 GHz (16QAM, 15.0MHz, High Channel)**

30 MHz – 1 GHz (16QAM, 20.0 MHz, High Channel)



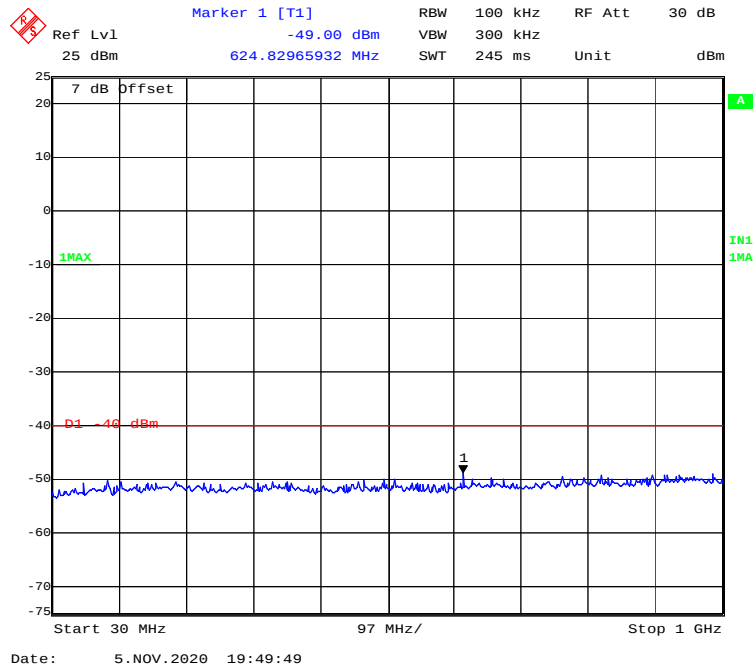
1 GHz – 26 GHz (16QAM, 20.0 MHz, High Channel)



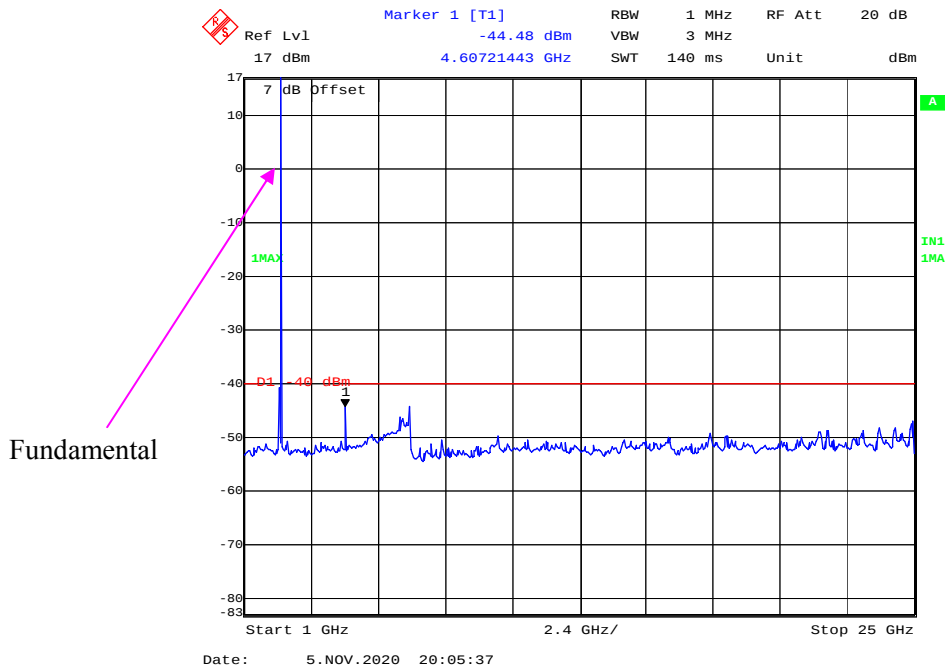
LTE Band 40

2305-2315MHz

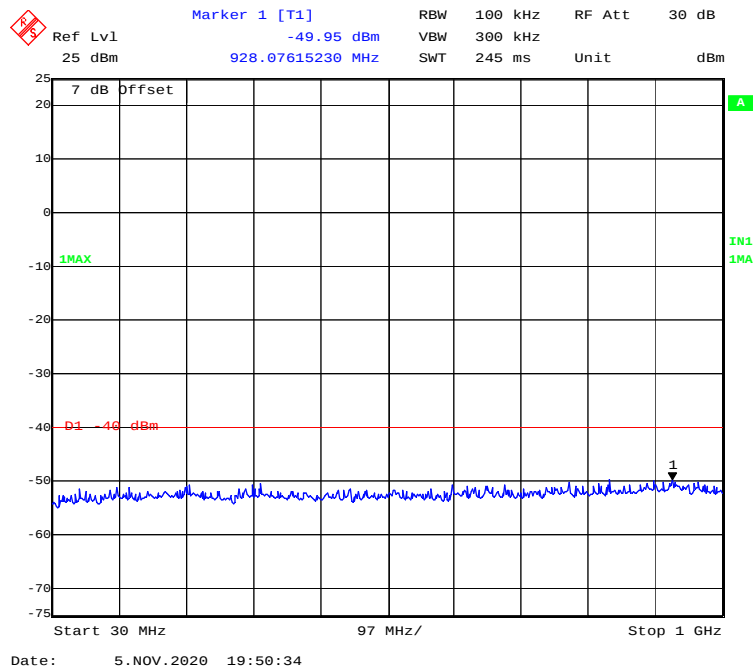
30 MHz - 1 GHz (QPSK, 5.0 MHz, Low Channel)



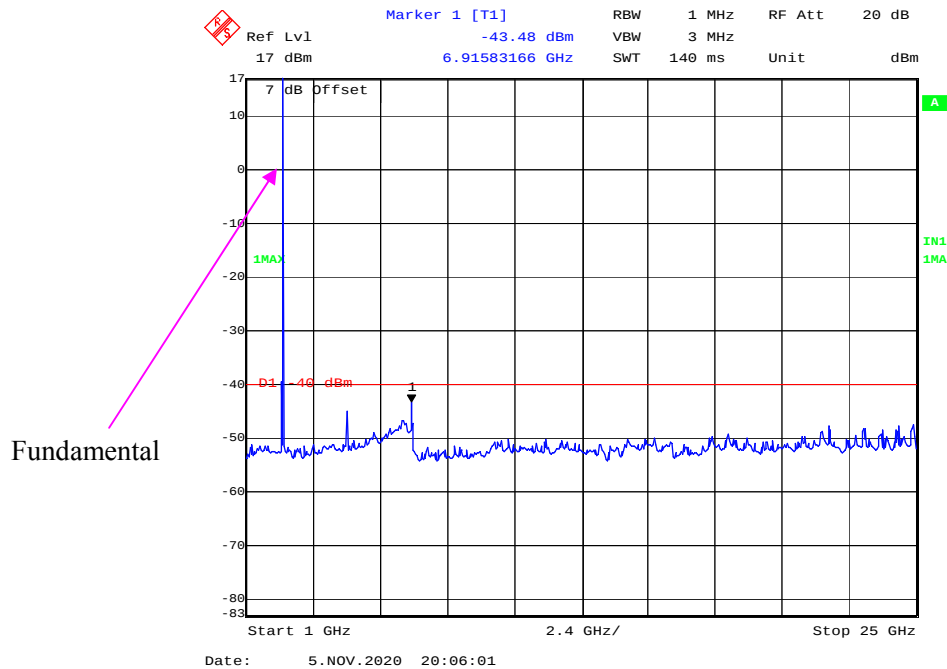
1 GHz – 25 GHz (QPSK, 5.0 MHz, Low Channel)



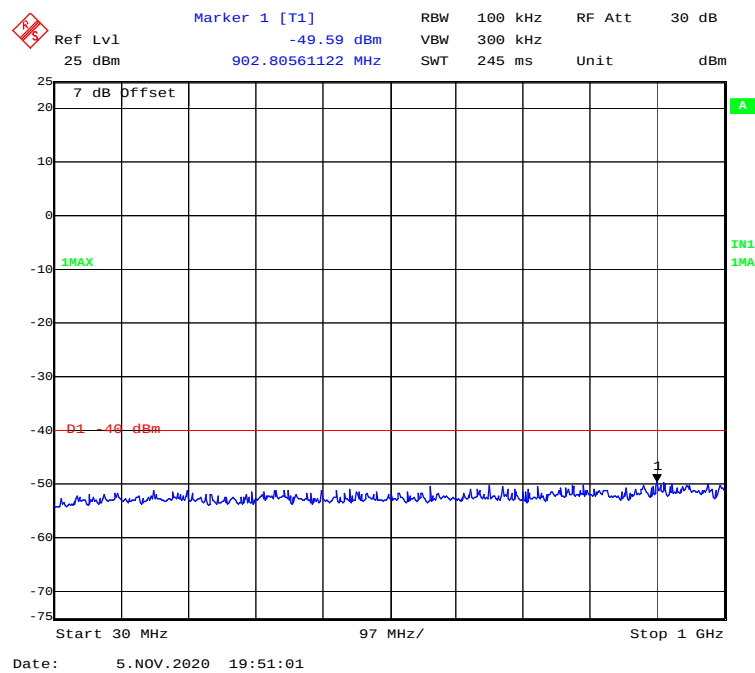
30 MHz - 1 GHz (16QAM, 5.0 MHz, Low Channel)



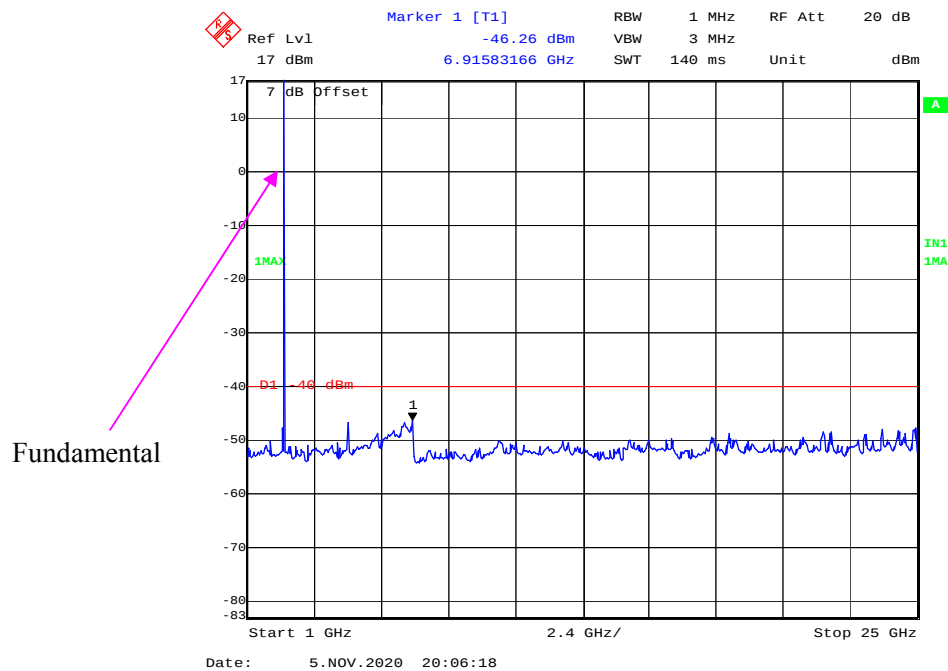
1 GHz – 25 GHz (16QAM, 5.0 MHz, Low Channel)



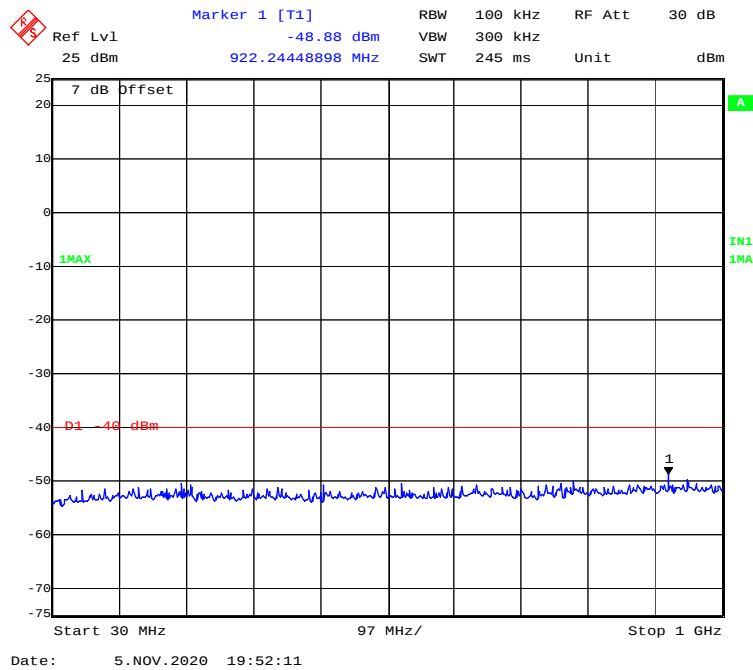
30 MHz - 1 GHz (QPSK, 5.0 MHz, Middle Channel)



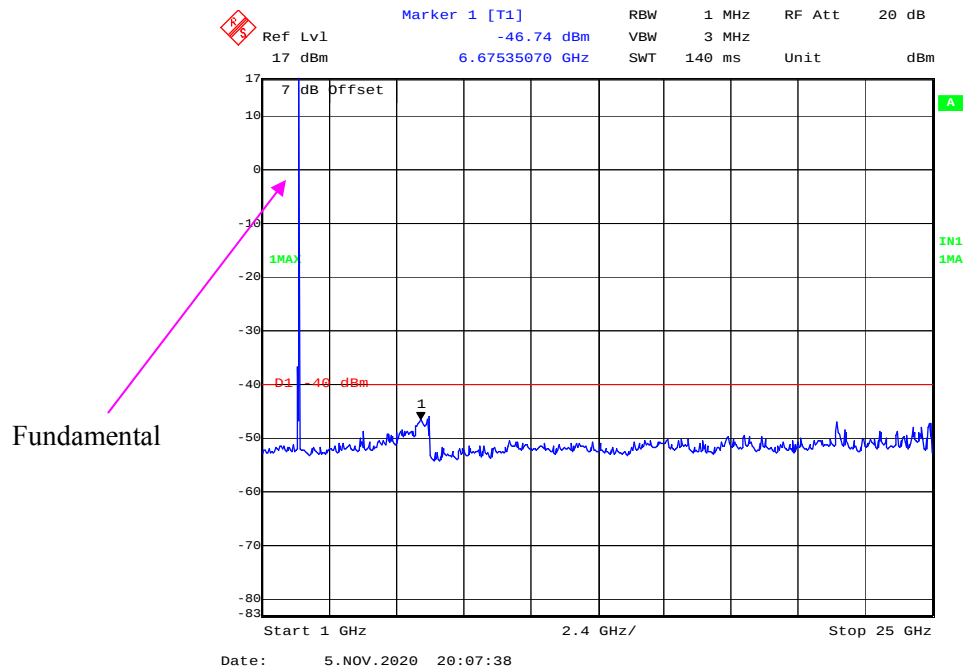
1 GHz – 25 GHz (QPSK, 5.0 MHz, Middle Channel)



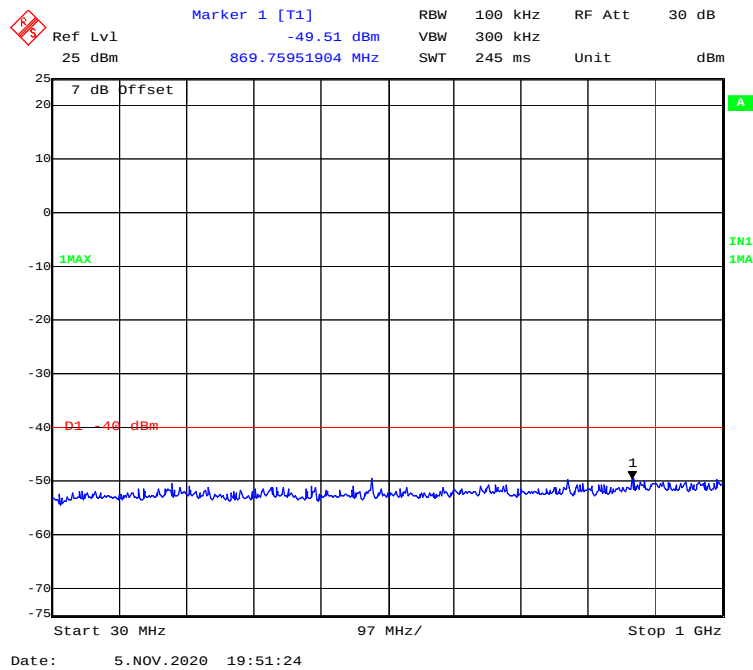
30 MHz - 1 GHz (QPSK, 10.0 MHz, Middle Channel)



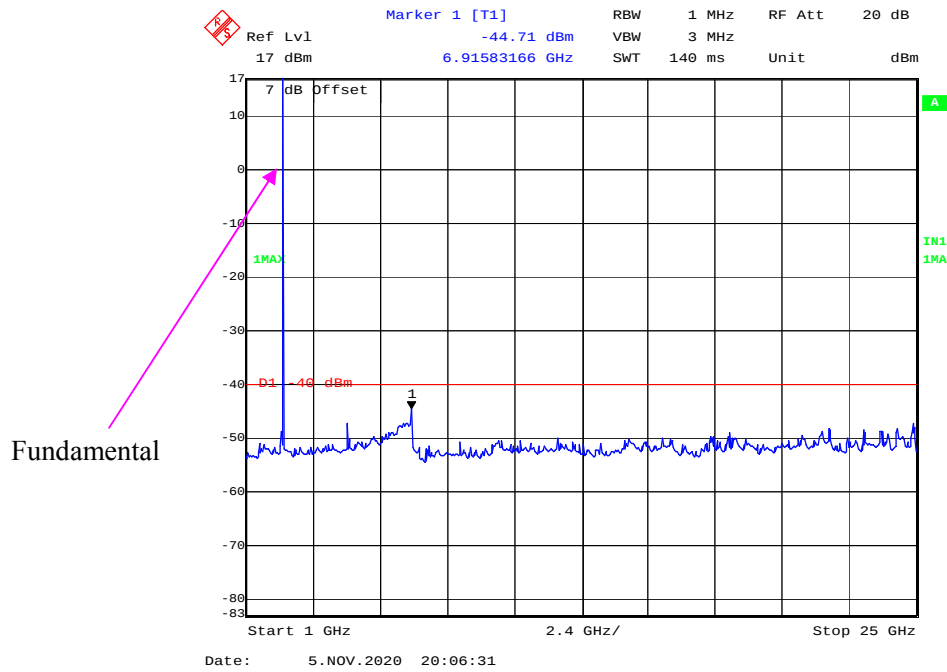
1 GHz – 25 GHz (QPSK, 10.0 MHz, Middle Channel)



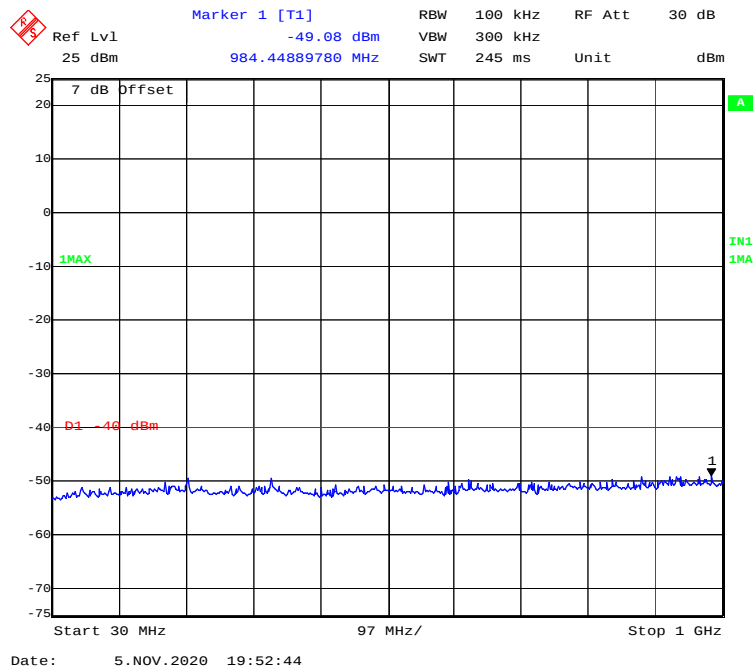
30 MHz - 1 GHz (16QAM, 5.0 MHz, Middle Channel)



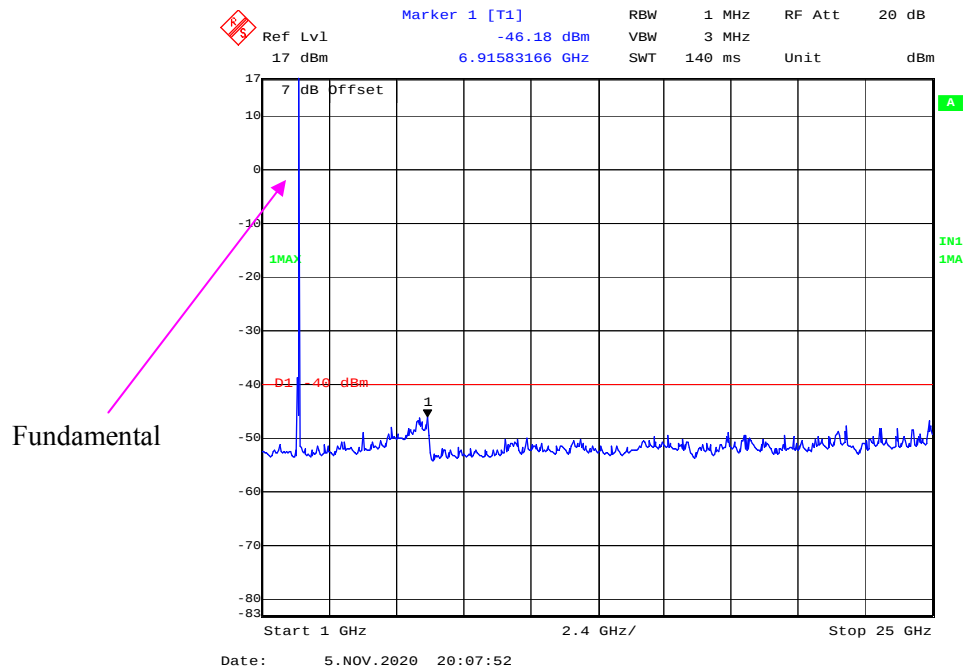
1 GHz – 25 GHz (16QAM, 5.0 MHz, Middle Channel)



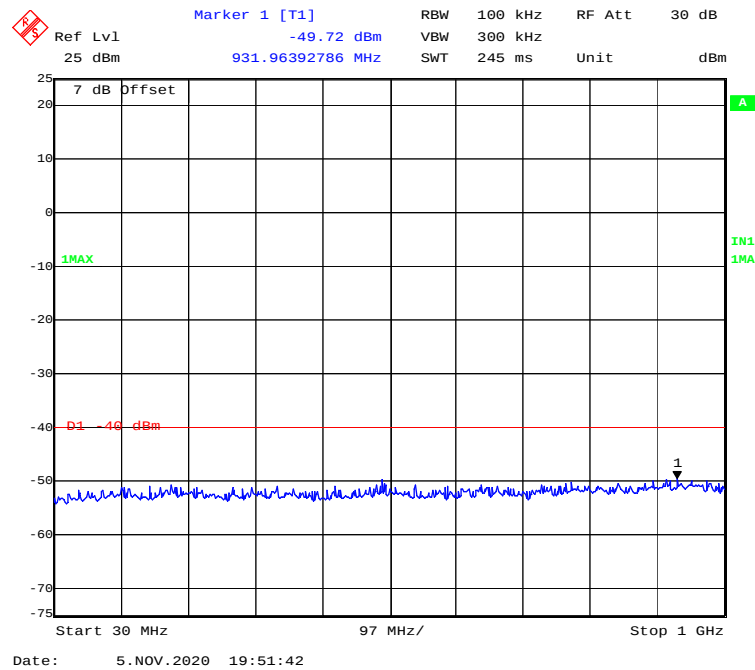
30 MHz - 1 GHz (16QAM, 10.0 MHz, Middle Channel)



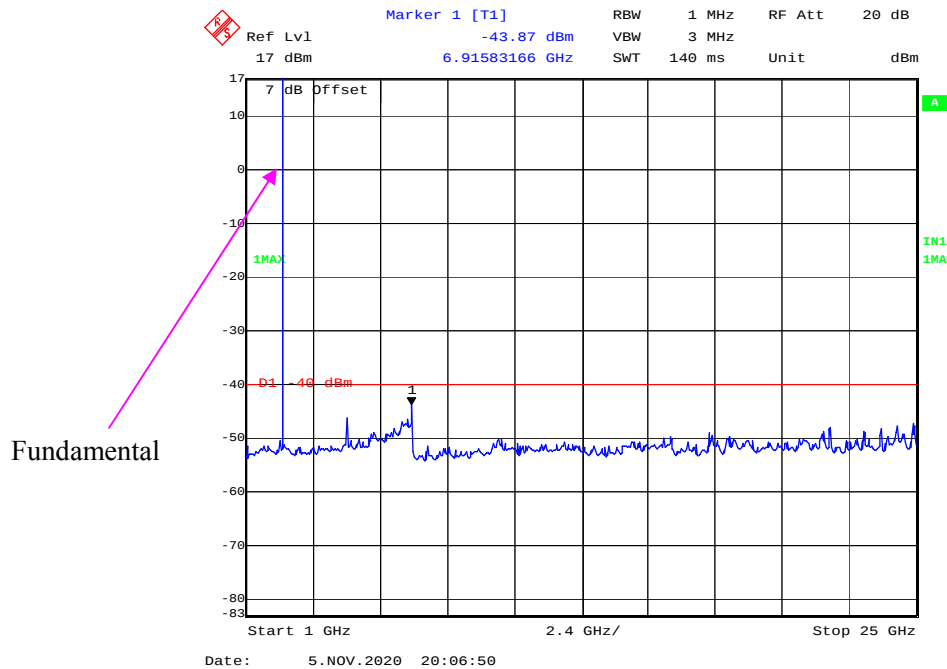
1 GHz – 25 GHz (16QAM, 10.0 MHz, Middle Channel)



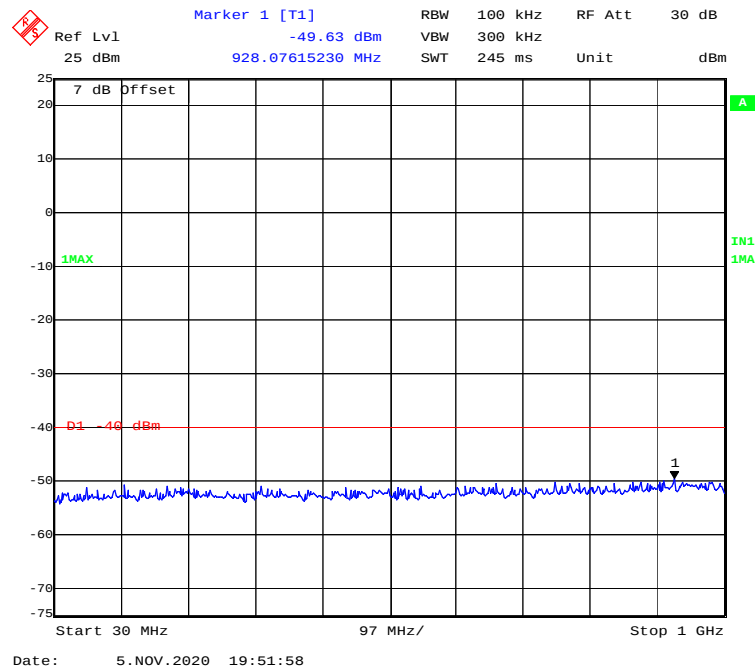
30 MHz - 1 GHz (QPSK, 5.0 MHz, High Channel)



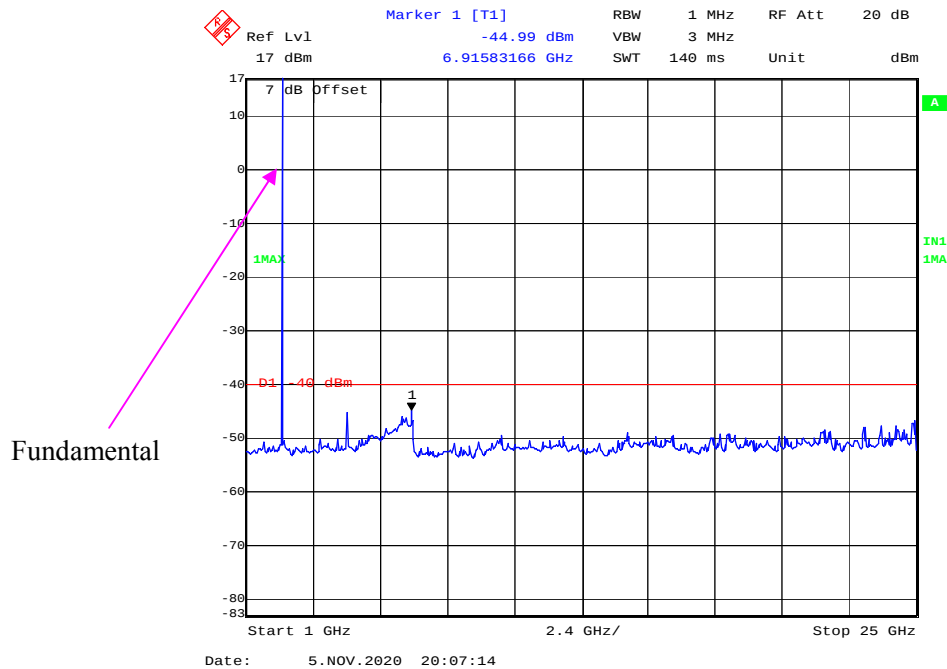
1 GHz – 25 GHz (QPSK, 5.0 MHz, High Channel)



30 MHz - 1 GHz (16QAM, 5.0 MHz, High Channel)

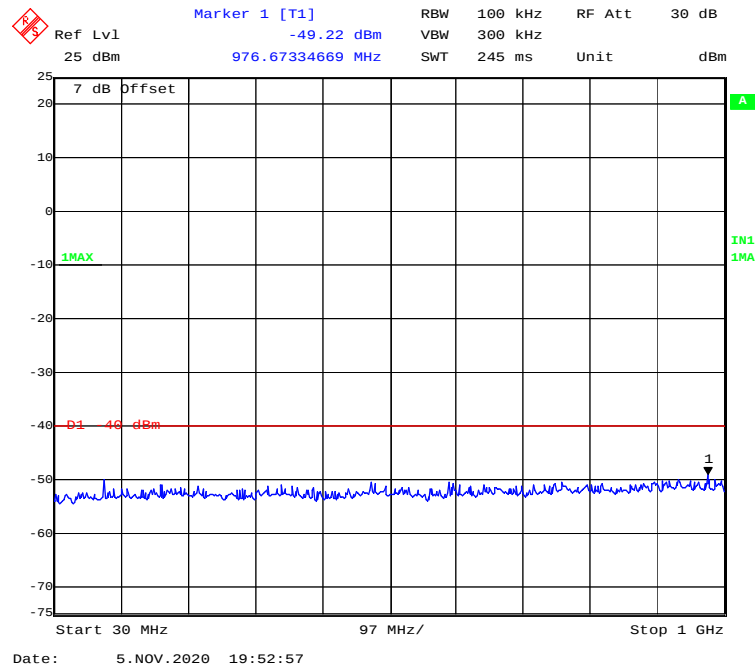


1 GHz – 25 GHz (16QAM, 5.0 MHz, High Channel)

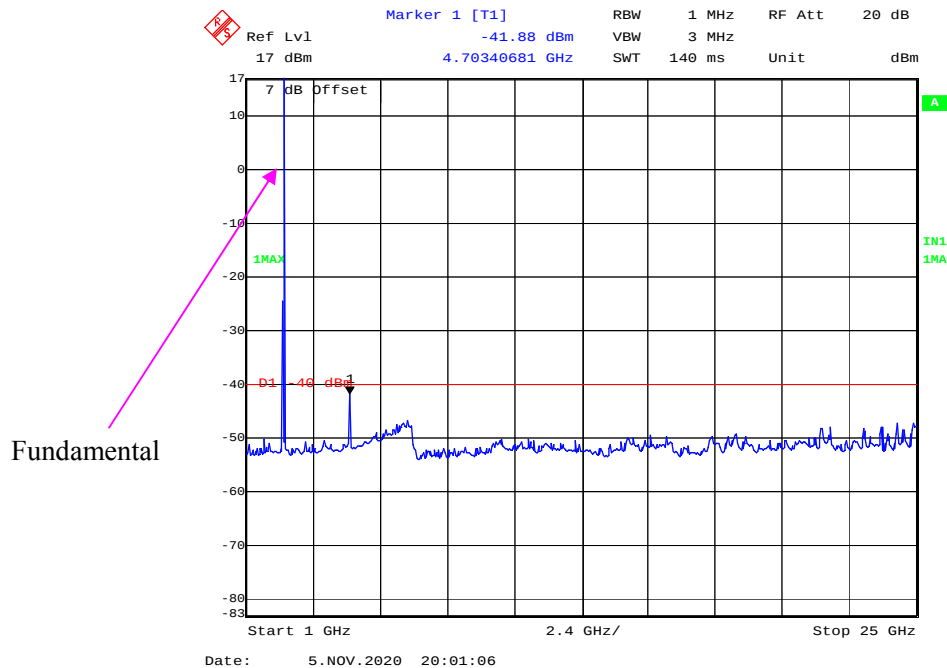


2350-2360MHz

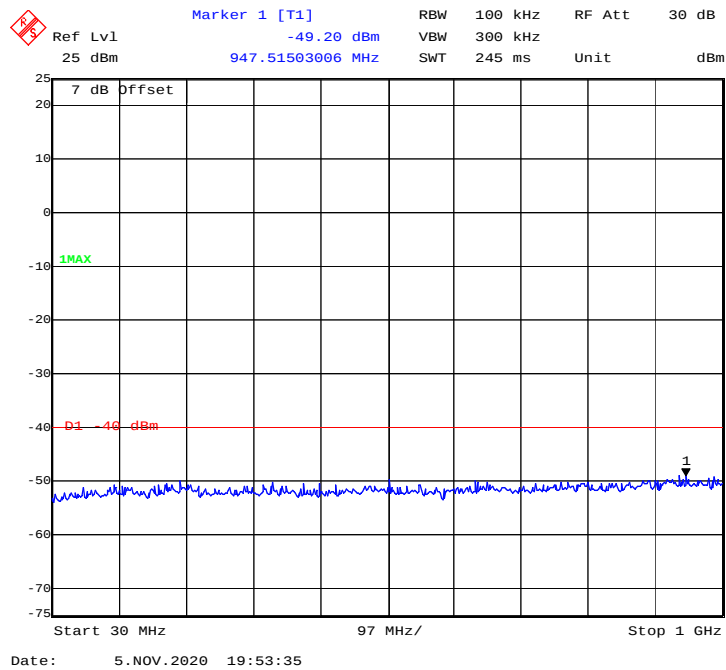
30 MHz - 1 GHz (QPSK, 5.0 MHz, Low Channel)



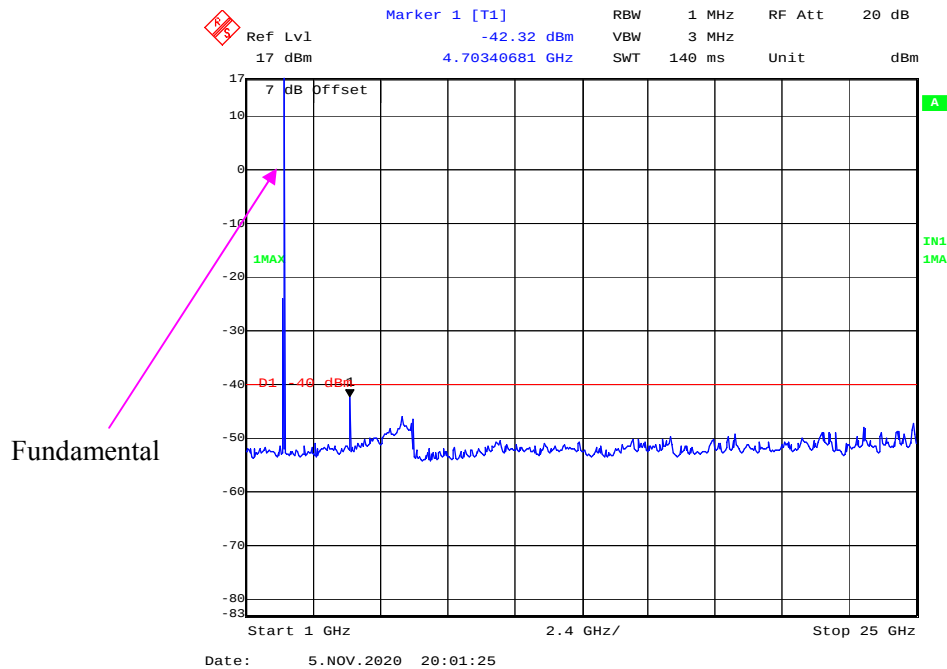
1 GHz – 25 GHz (QPSK, 5.0 MHz, Low Channel)



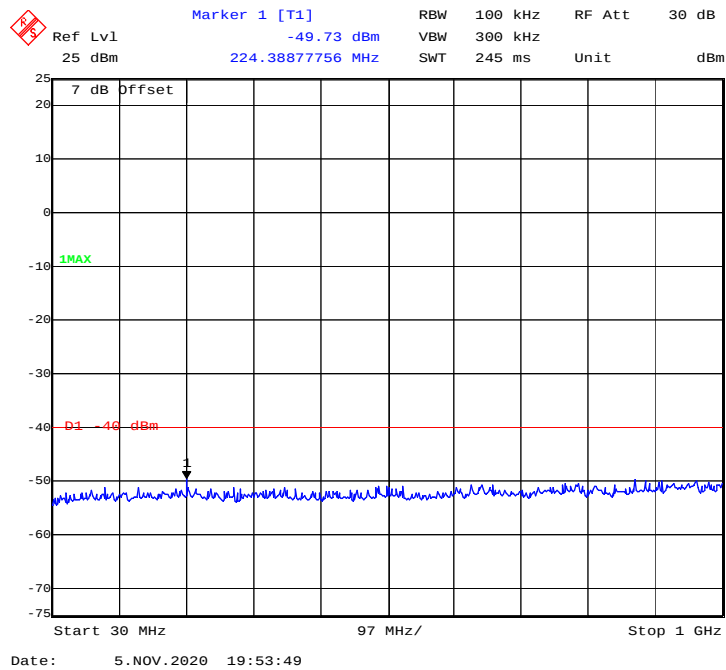
30 MHz - 1 GHz (16QAM, 5.0 MHz, Low Channel)



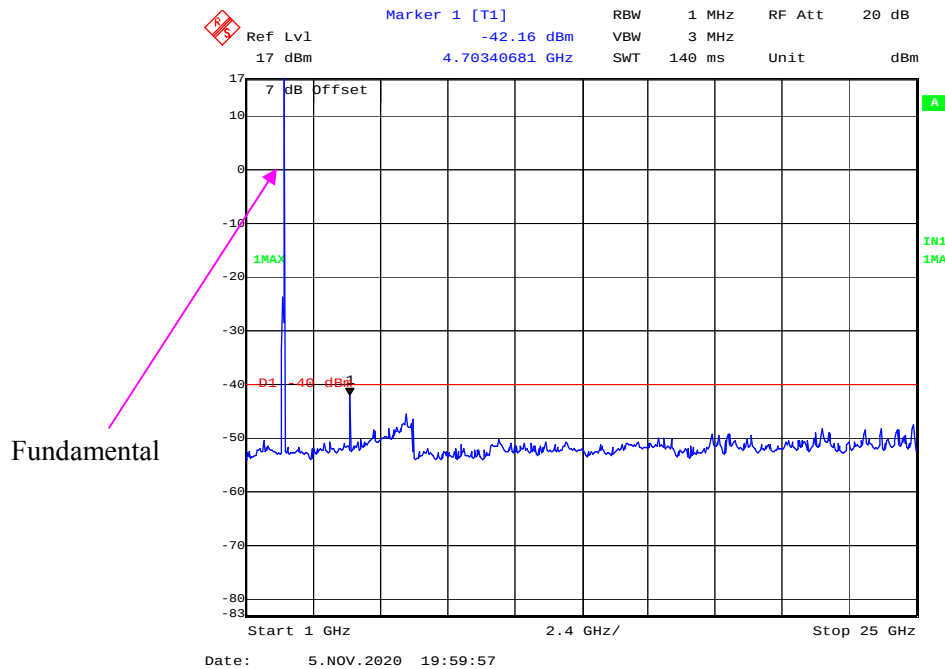
1 GHz – 25 GHz (16QAM, 5.0 MHz, Low Channel)



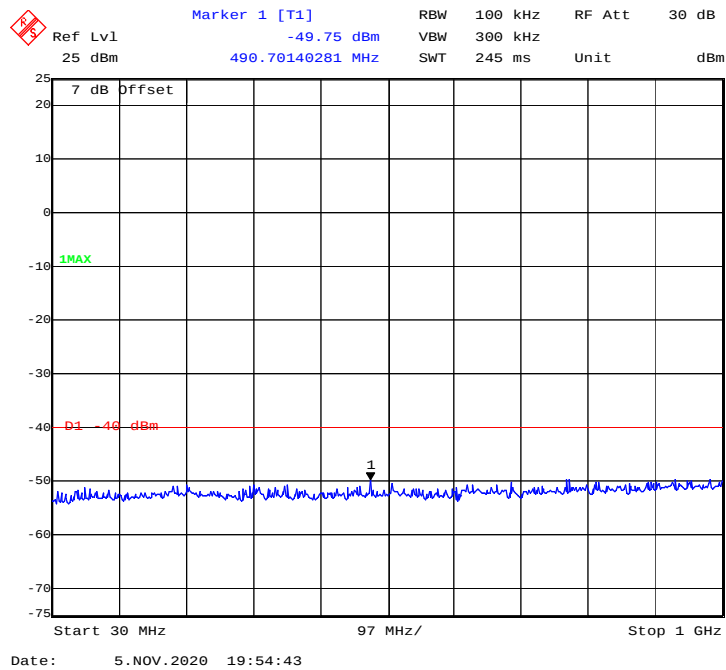
30 MHz - 1 GHz (QPSK, 5.0 MHz, Middle Channel)



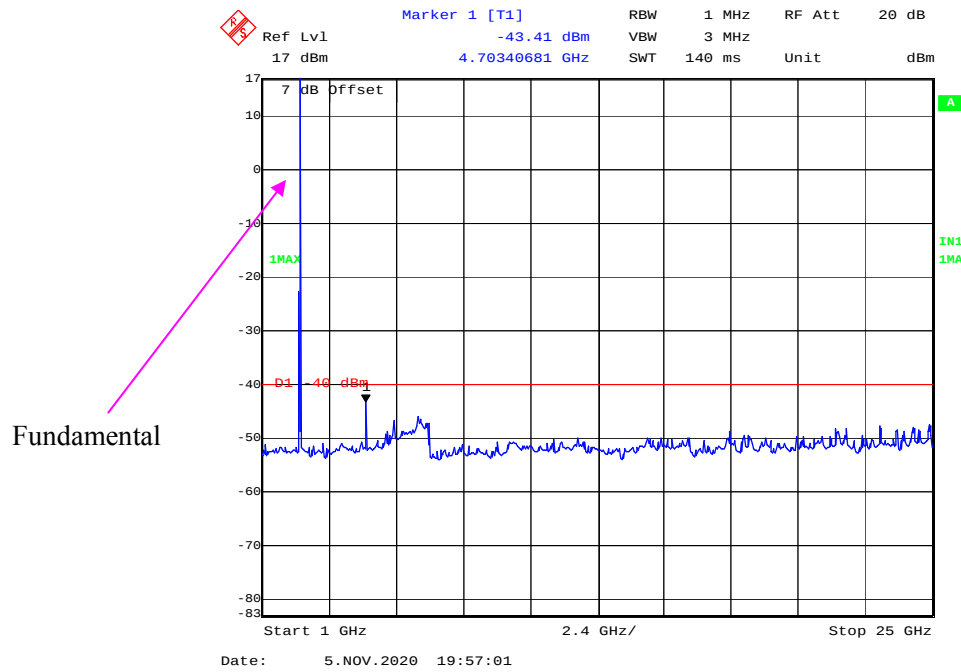
1 GHz – 25 GHz (QPSK, 5.0 MHz, Middle Channel)



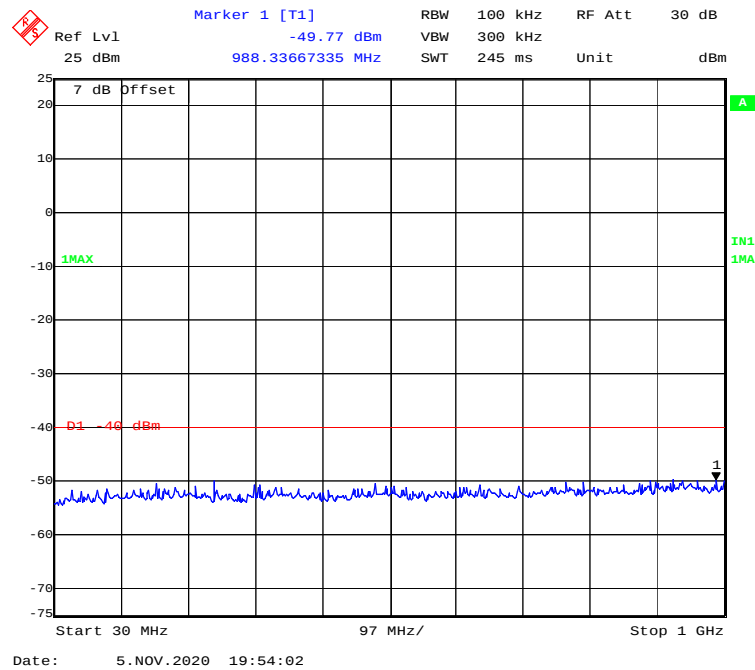
30 MHz - 1 GHz (QPSK, 10.0 MHz, Middle Channel)



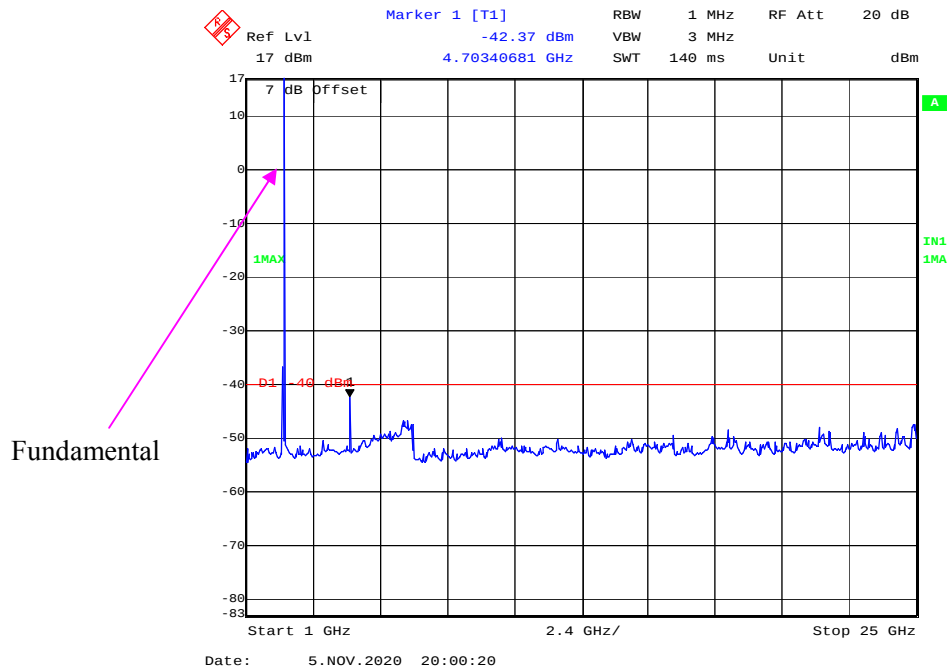
1 GHz – 25 GHz (QPSK, 10.0 MHz, Middle Channel)



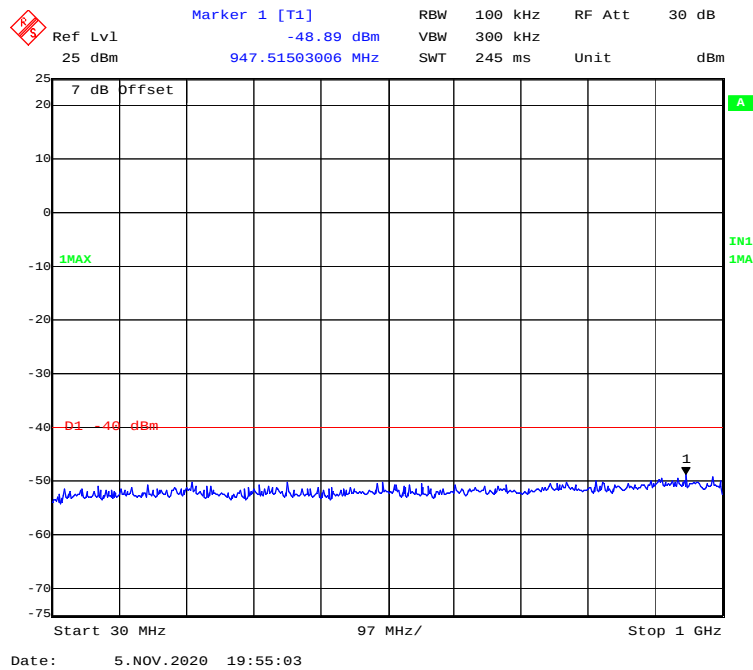
30 MHz - 1 GHz (16QAM, 5.0 MHz, Middle Channel)



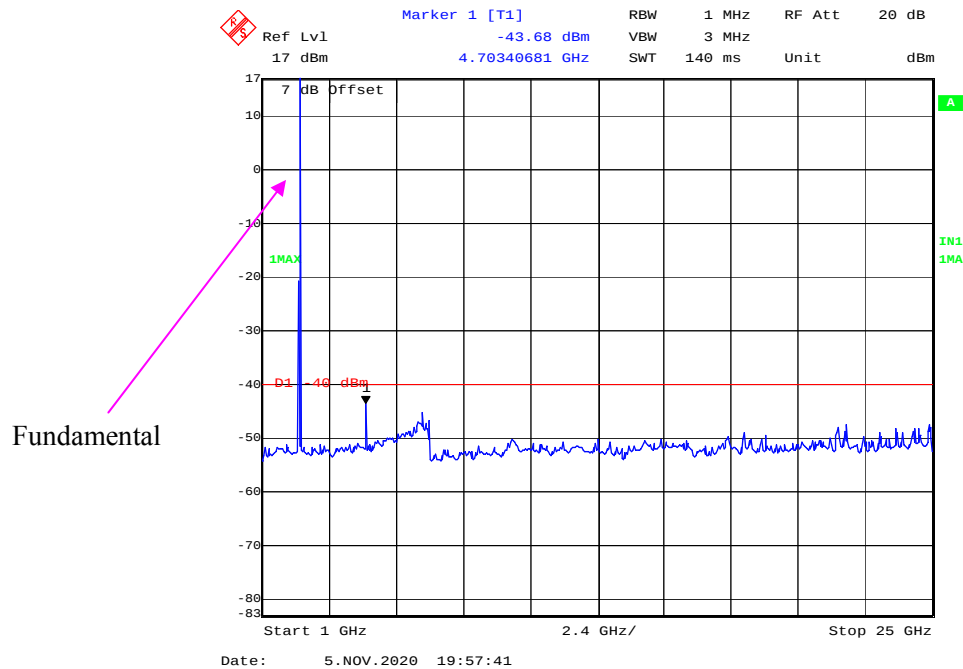
1 GHz – 25 GHz (16QAM, 5.0 MHz, Middle Channel)



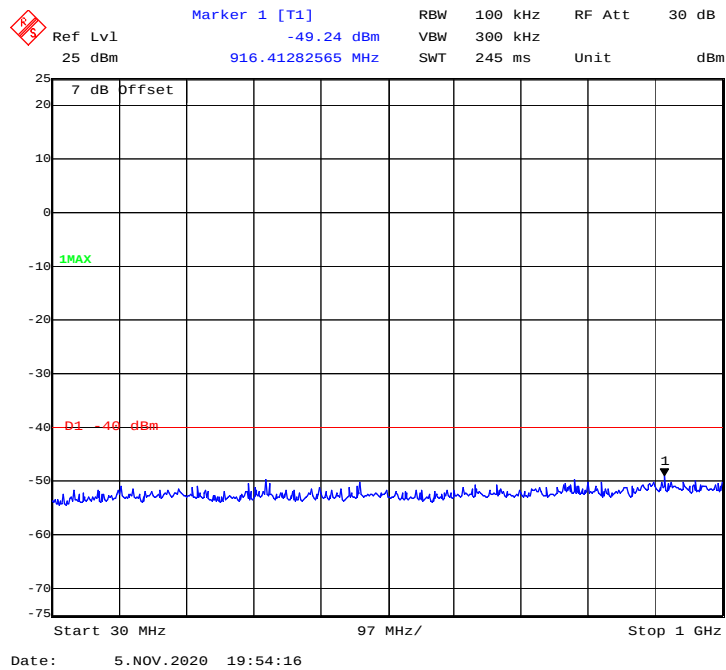
30 MHz - 1 GHz (16QAM, 10.0 MHz, Middle Channel)



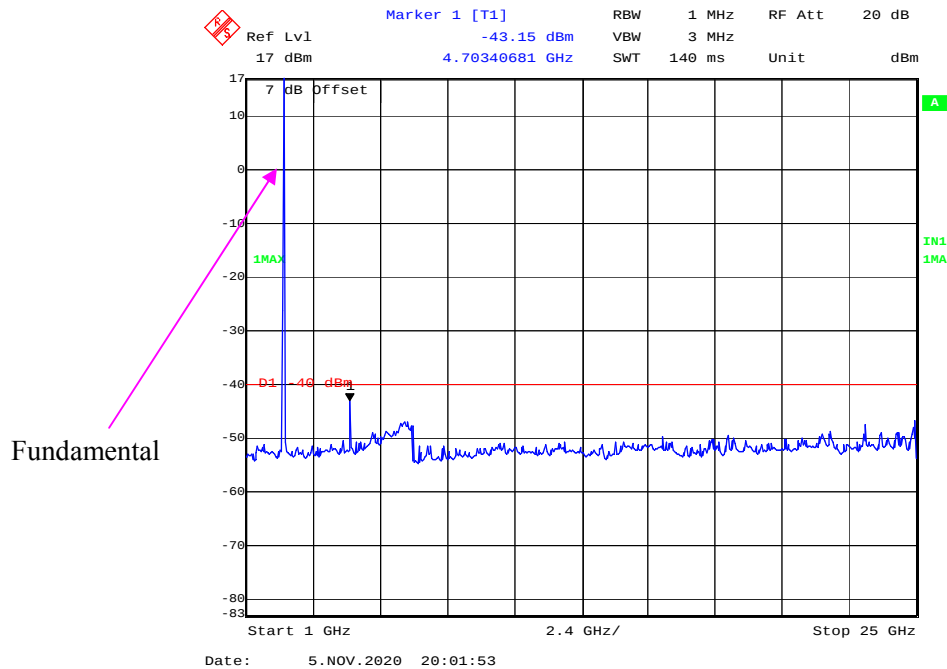
1 GHz – 25 GHz (16QAM, 10.0 MHz, Middle Channel)



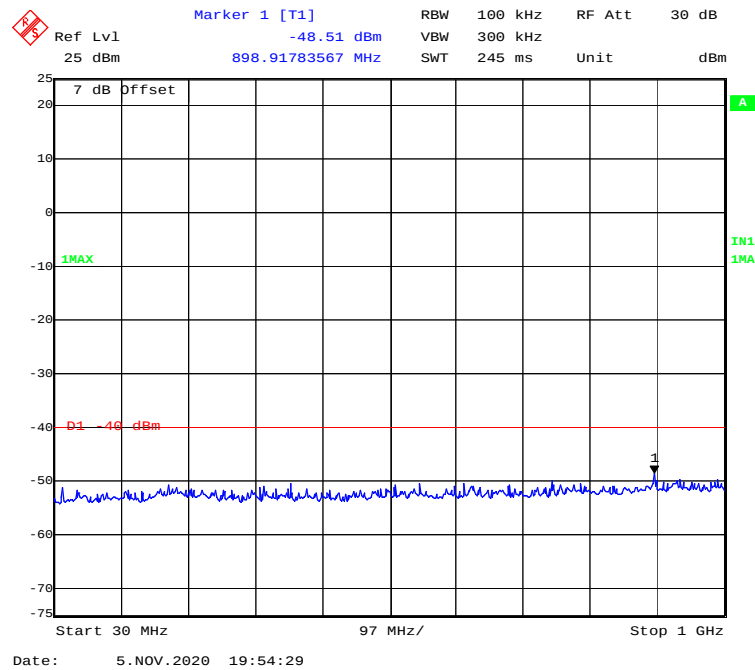
30 MHz - 1 GHz (QPSK, 5.0 MHz, High Channel)



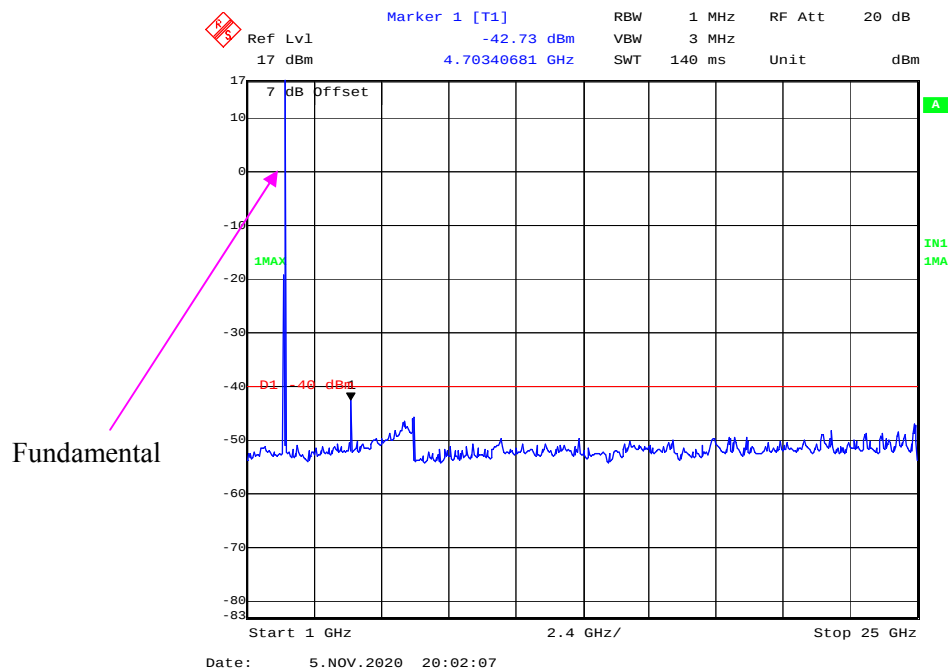
1 GHz – 25 GHz (QPSK, 5.0 MHz, High Channel)



30 MHz - 1 GHz (16QAM, 5.0 MHz, High Channel)

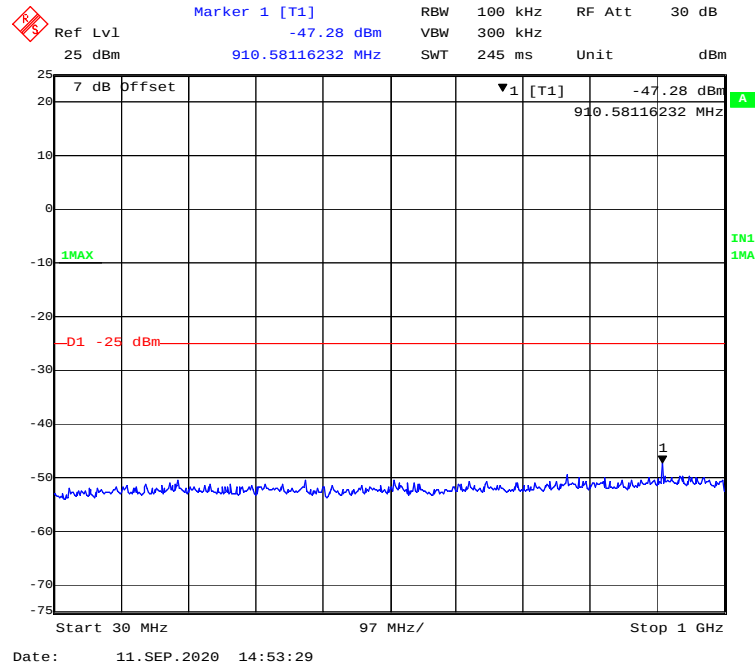


1 GHz – 25 GHz (16QAM, 5.0 MHz, High Channel)

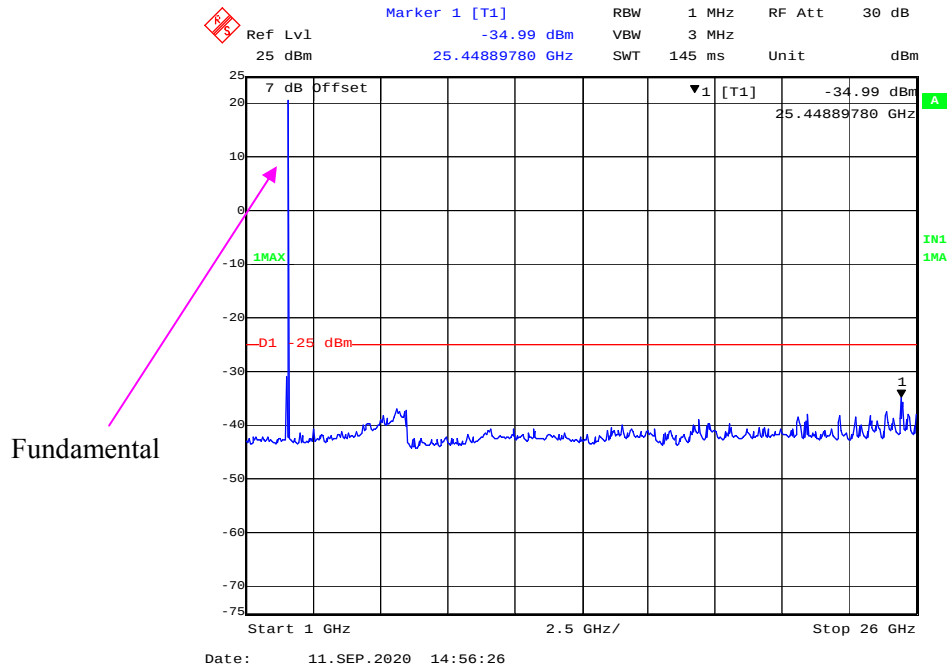


LTE Band 41

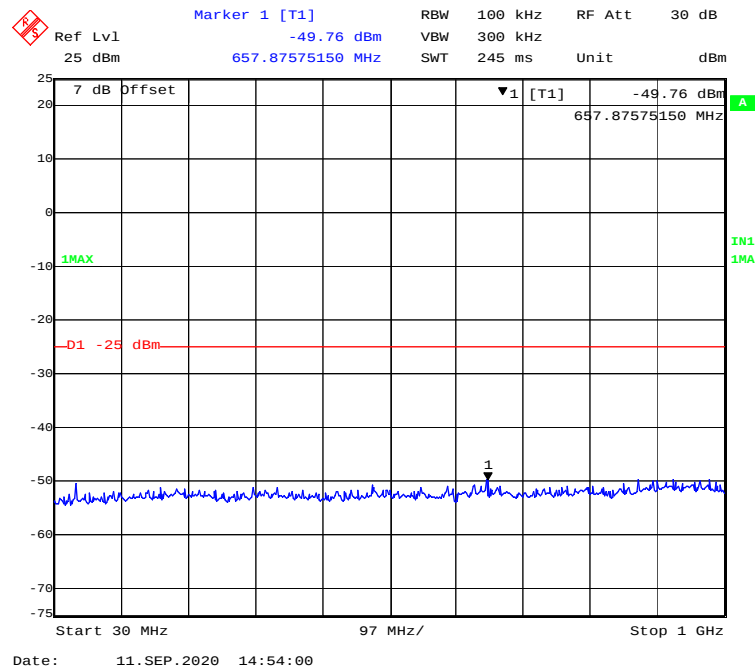
30 MHz - 1 GHz (QPSK, 5.0 MHz, Low Channel)



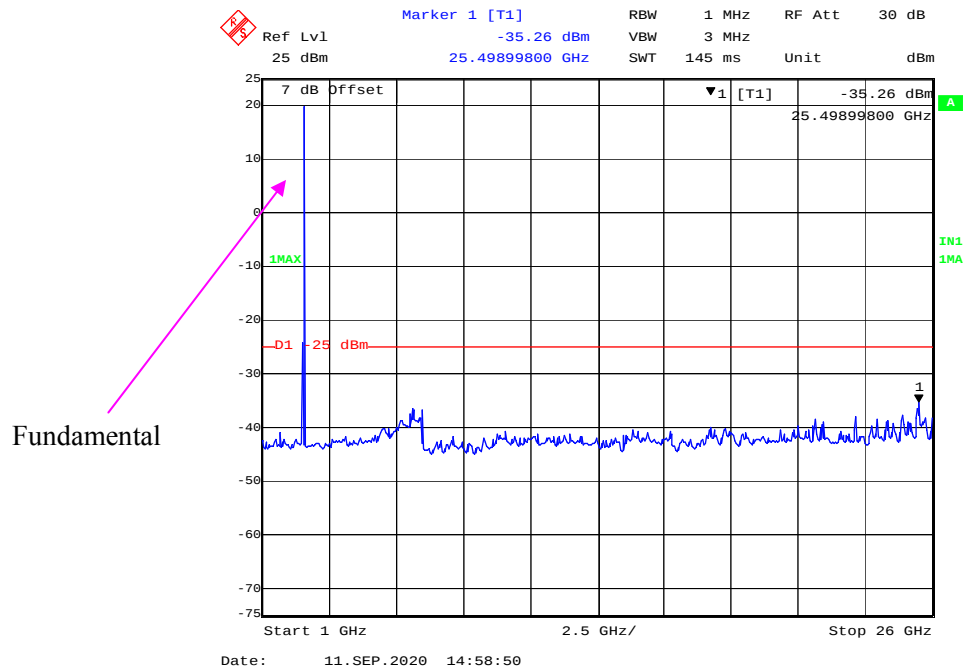
1 GHz – 26 GHz (QPSK, 5.0 MHz, Low Channel)



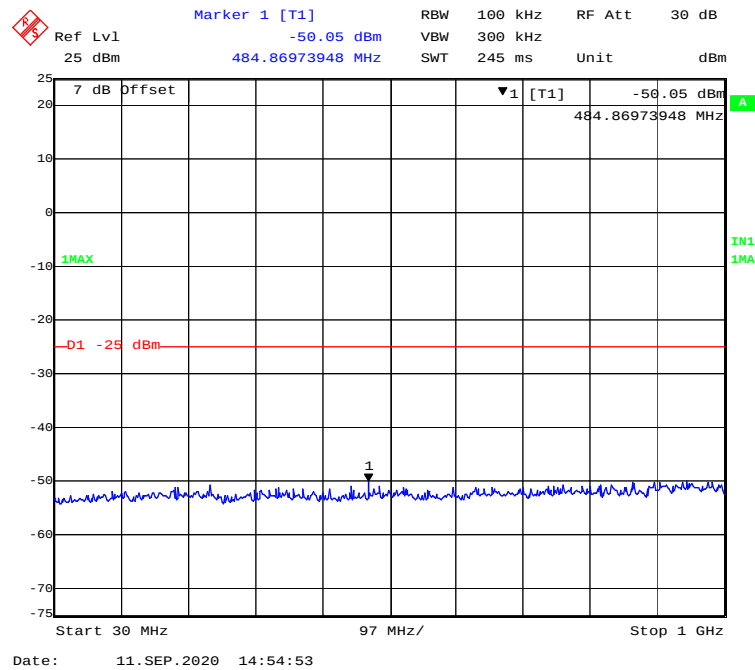
30 MHz - 1 GHz (QPSK, 10.0 MHz, Low Channel)



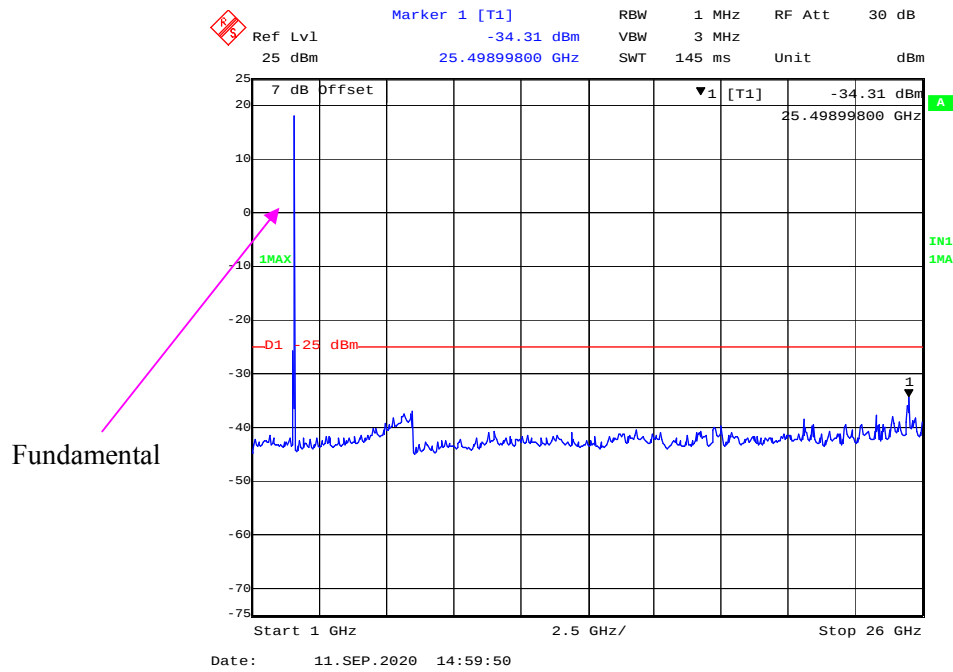
1 GHz - 26 GHz (QPSK, 10.0 MHz, Low Channel)



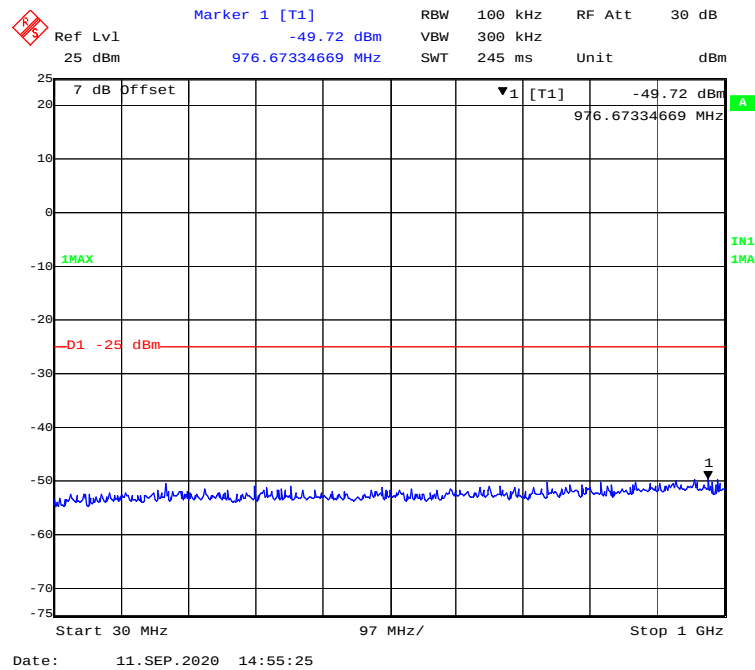
30 MHz - 1 GHz (QPSK, 15.0 MHz, Low Channel)



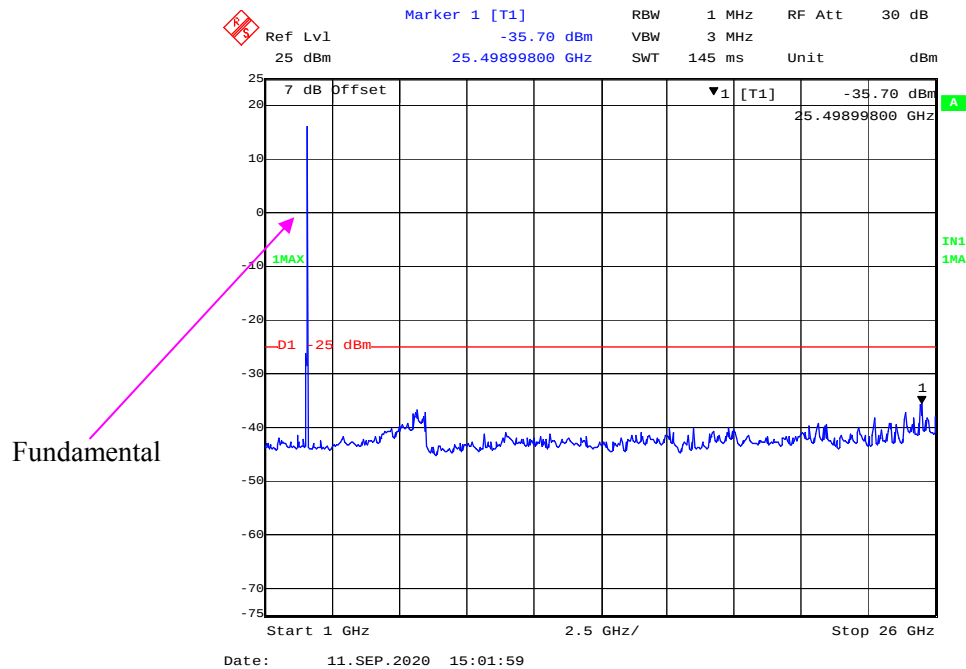
1 GHz – 26 GHz (QPSK, 15.0MHz, Low Channel)



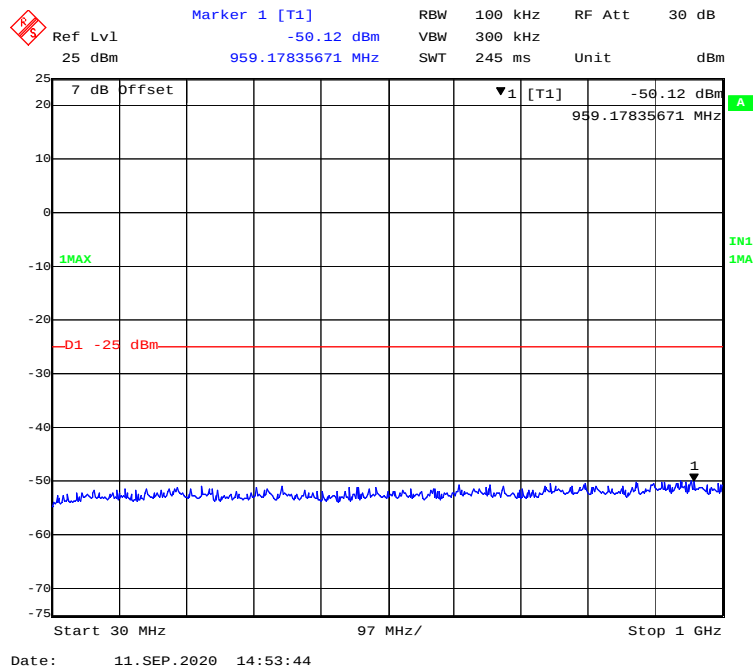
30 MHz - 1 GHz (QPSK, 20.0 MHz, Low Channel)



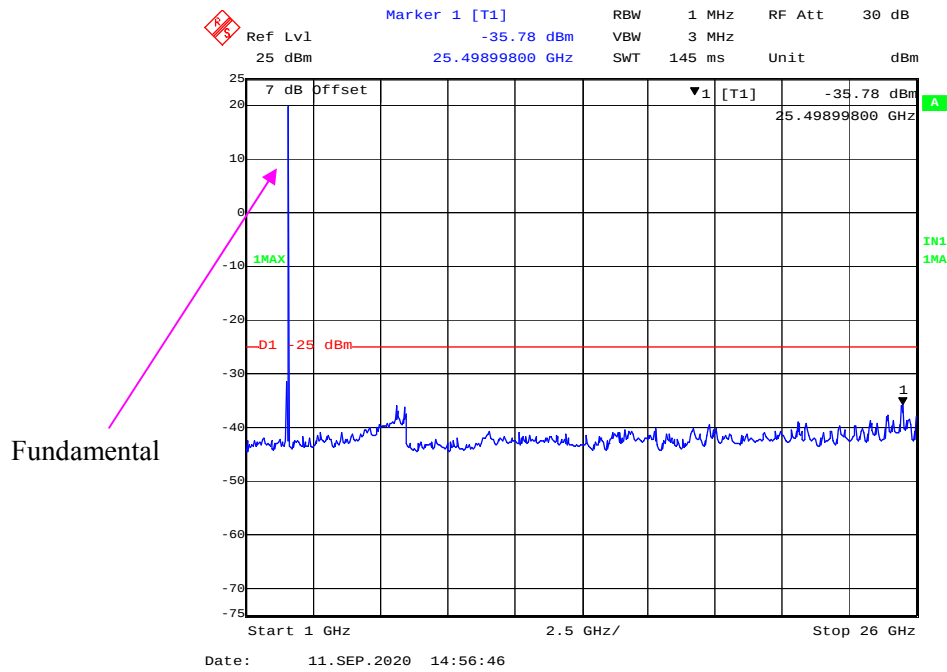
1 GHz - 26 GHz (QPSK, 20.0 MHz, Low Channel)



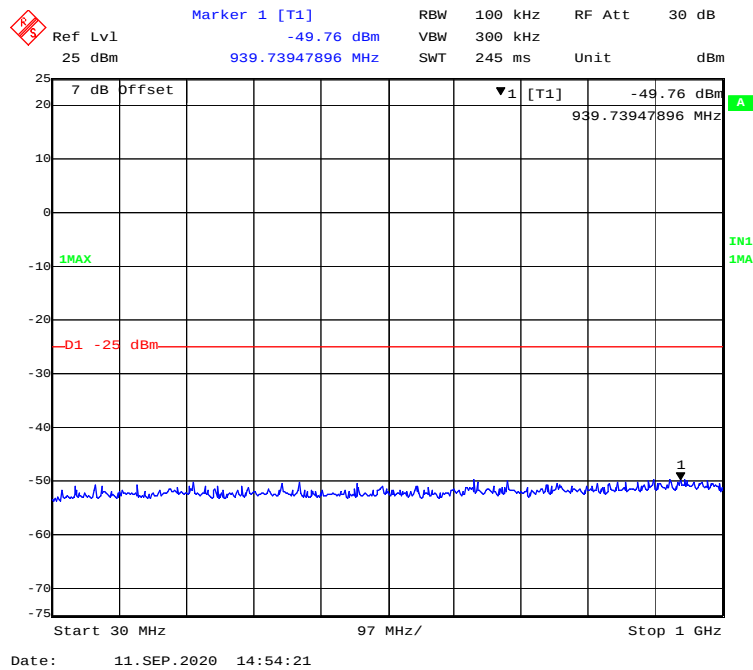
30 MHz - 1 GHz (16QAM, 5.0 MHz, Low Channel)



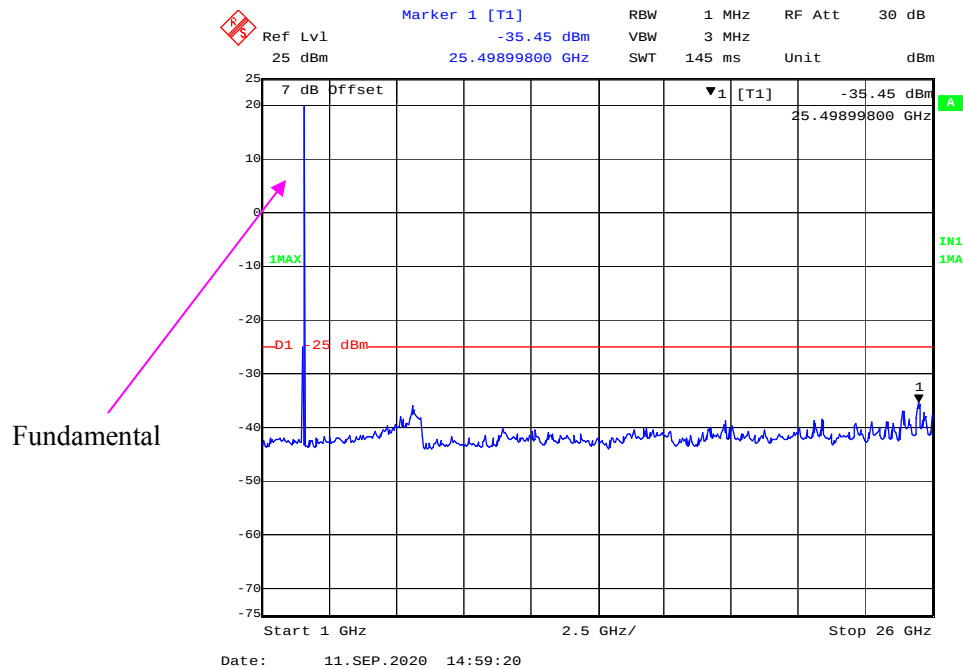
1 GHz – 26 GHz (16QAM, 5.0 MHz, Low Channel)



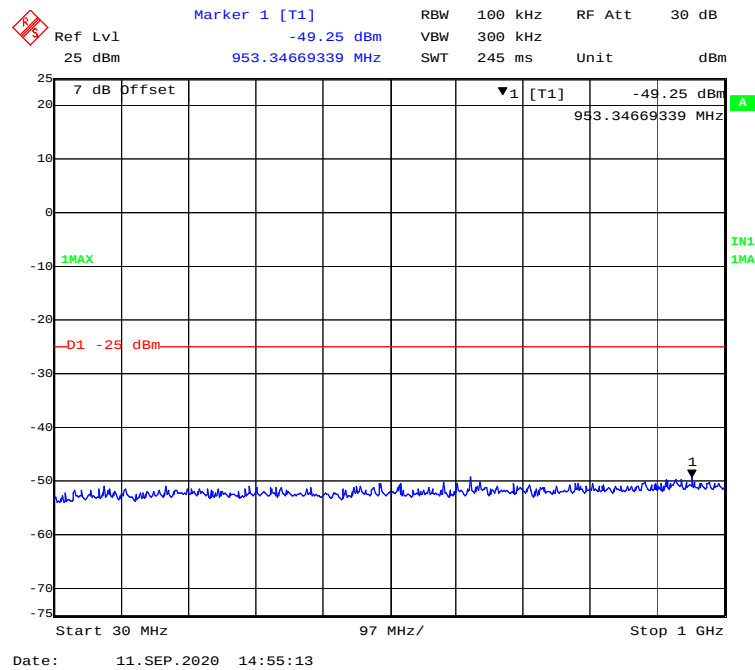
30 MHz - 1 GHz (16QAM, 10.0 MHz, Low Channel)



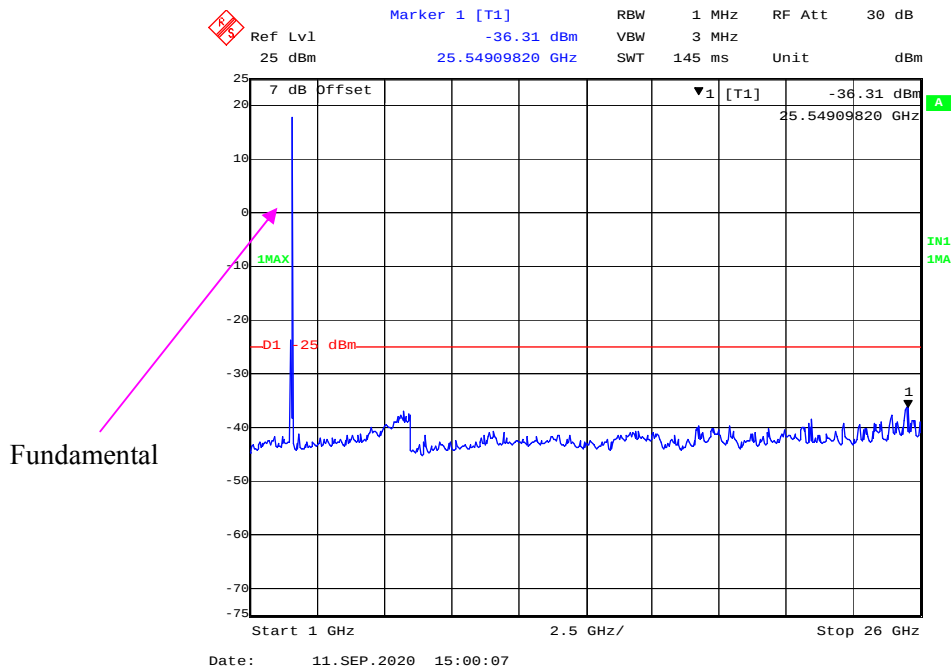
1 GHz – 26 GHz (16QAM, 10.0 MHz, Low Channel)



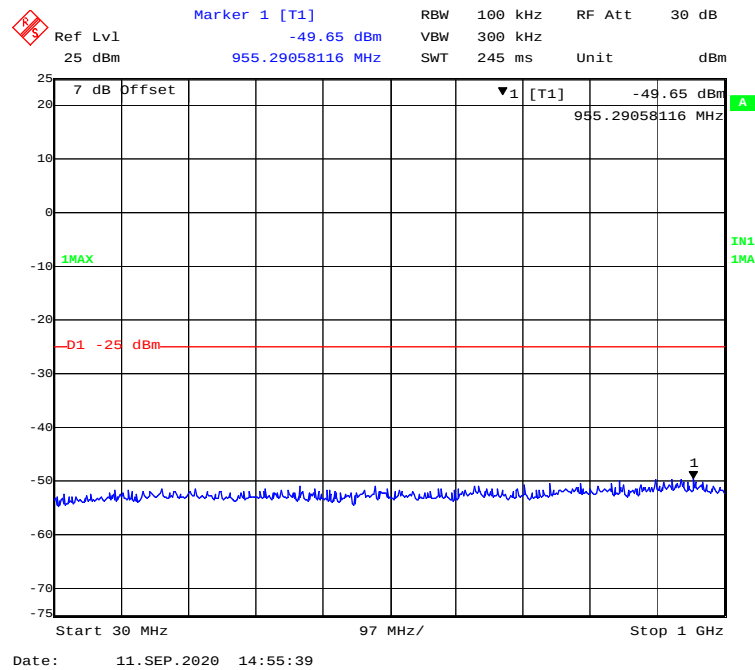
30 MHz - 1 GHz (16QAM, 15.0 MHz, Low Channel)



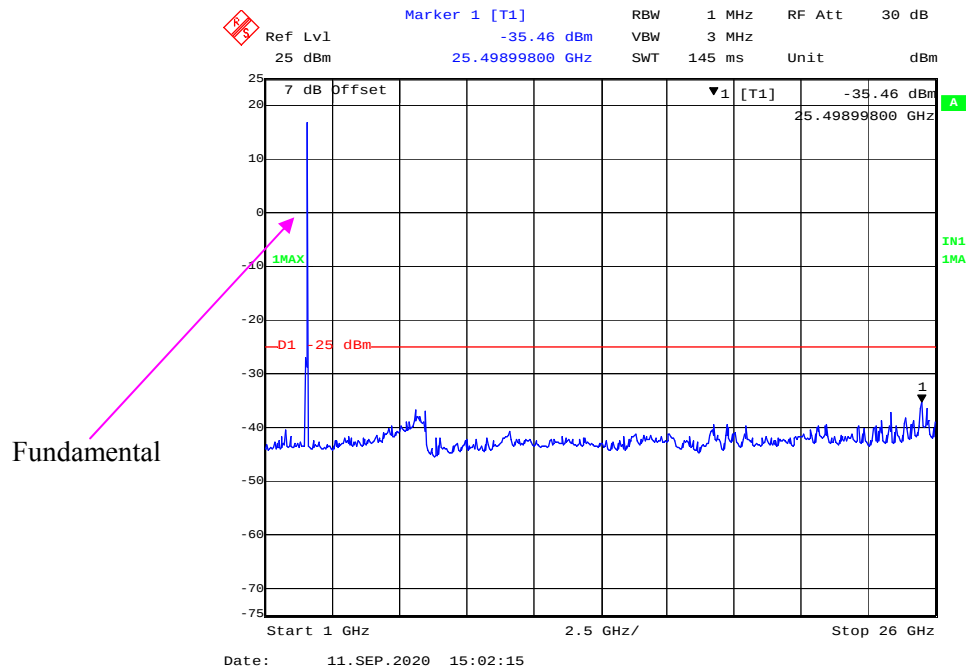
1 GHz – 26 GHz (16QAM, 15.0MHz, Low Channel)



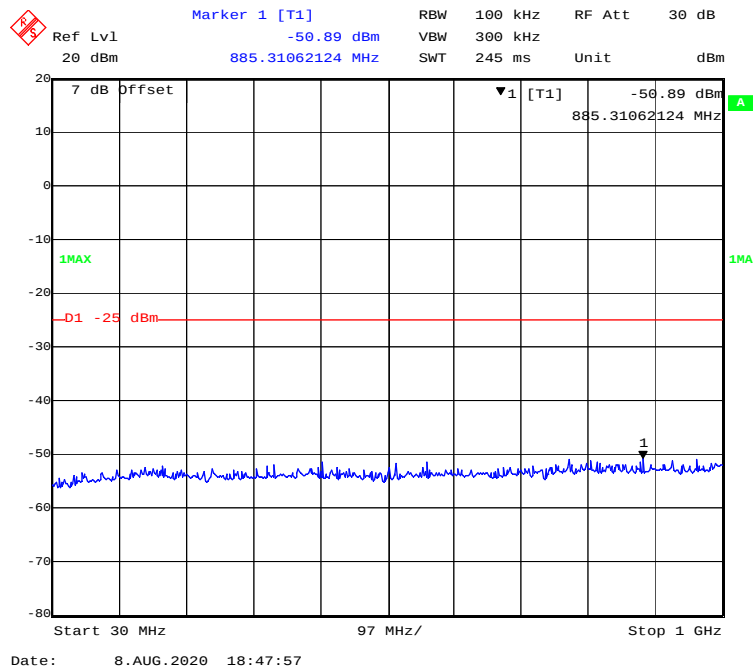
30 MHz - 1 GHz (16QAM, 20.0 MHz, Low Channel)



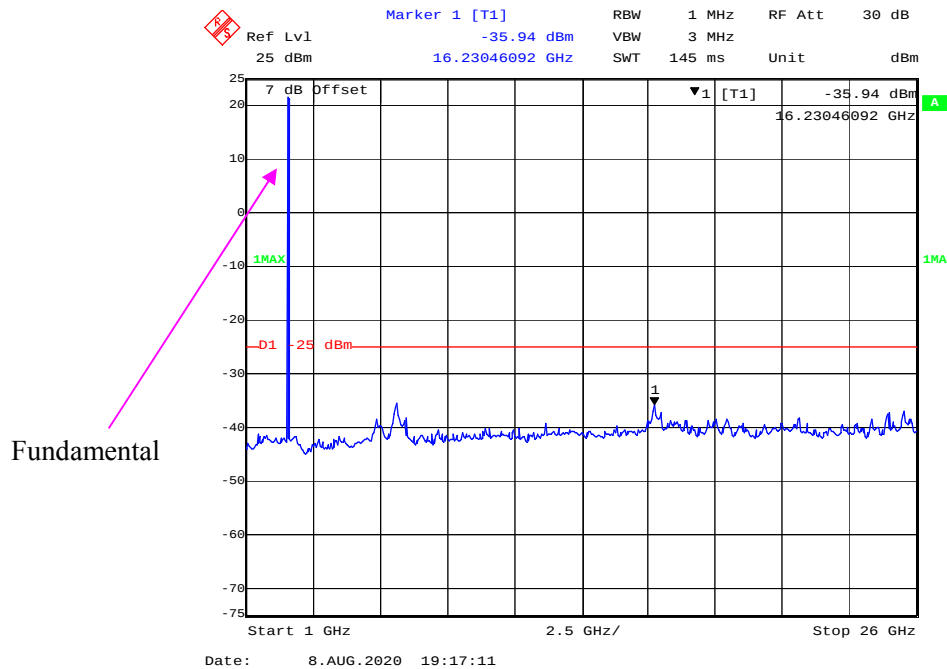
1 GHz – 26 GHz (16QAM, 20.0 MHz, Low Channel)



30 MHz - 1 GHz (QPSK, 5.0 MHz, Middle Channel)



1 GHz – 26.5 GHz (QPSK, 5.0 MHz, Middle Channel)



Marker 1 [T1]
 Ref Lvl -50.98 dBm
 20 dBm 861.98396794 MHz
 RBW 100 kHz RF Att 30 dB
 VBW 300 kHz
 SWT 245 ms Unit dBm

7 dB Offset
 ▼1 [T1] -56.98 dBm
 861.98396794 MHz

1MAX
 -D1 -25 dBm

1

Start 30 MHz 97 MHz/ Stop 1 GHz

Date: 8.AUG.2020 18:48:36

Ref Lvl 25 dBm RBW 1 MHz RF Att 30 dB
 VBW 3 MHz SWT 145 ms Unit dBm

Marker 1 [T1]
 -36.23 dBm
 6.66132265 GHz

7 dB Offset

▼1 [T1] -36.23 dBm
 6.66132265 GHz

1MAX

D1 -25 dBm

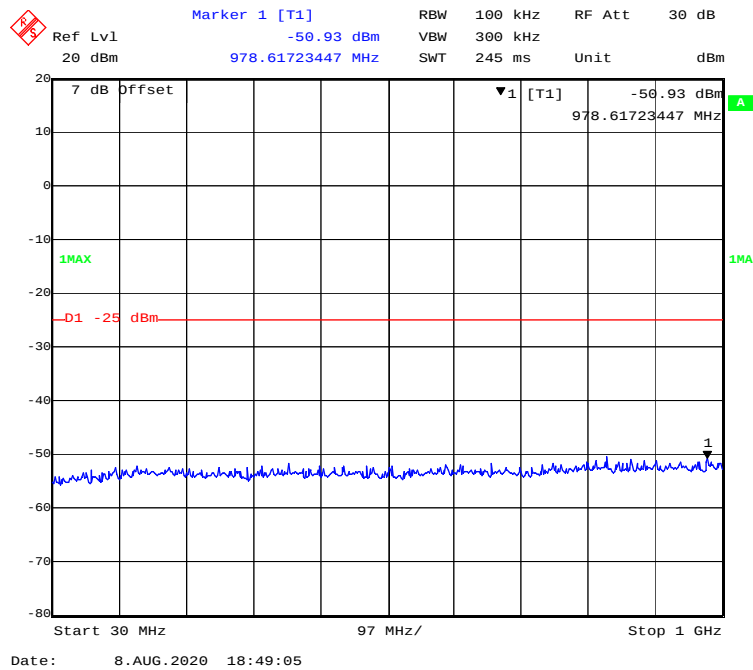
1

Fundamental

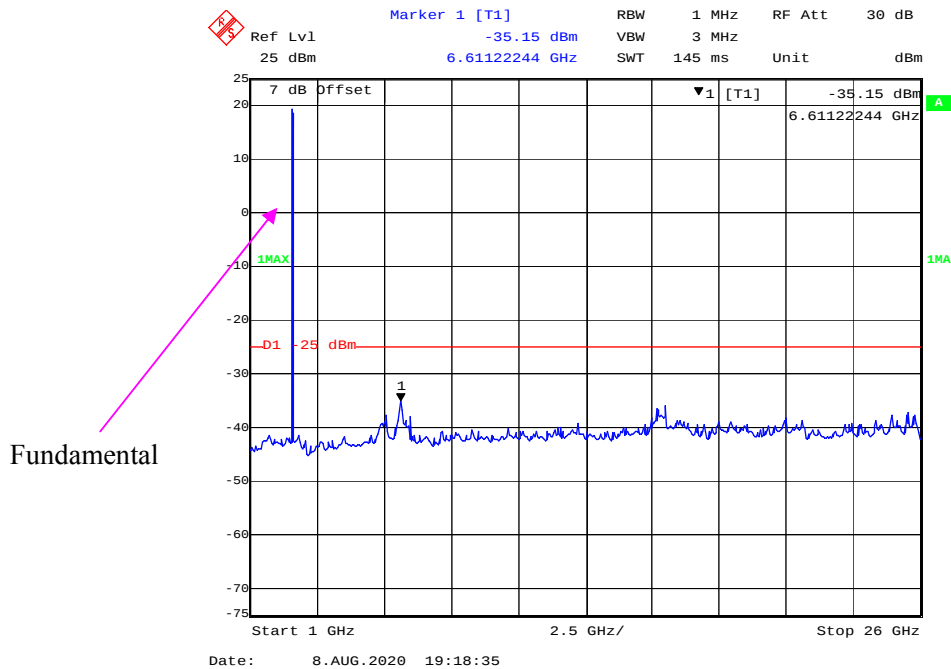
Start 1 GHz 2.5 GHz/ Stop 26 GHz

Date: 8.AUG.2020 19:17:52

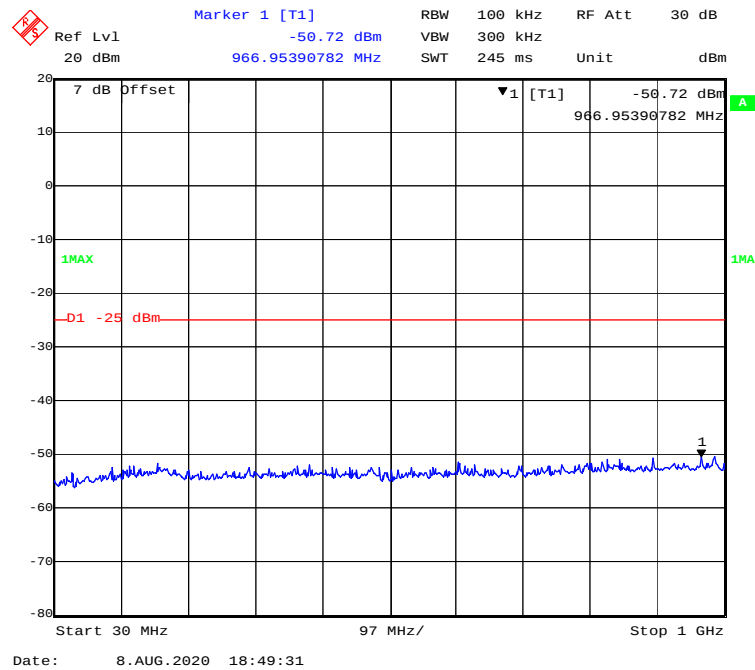
30 MHz - 1 GHz (QPSK, 15.0 MHz, Middle Channel)



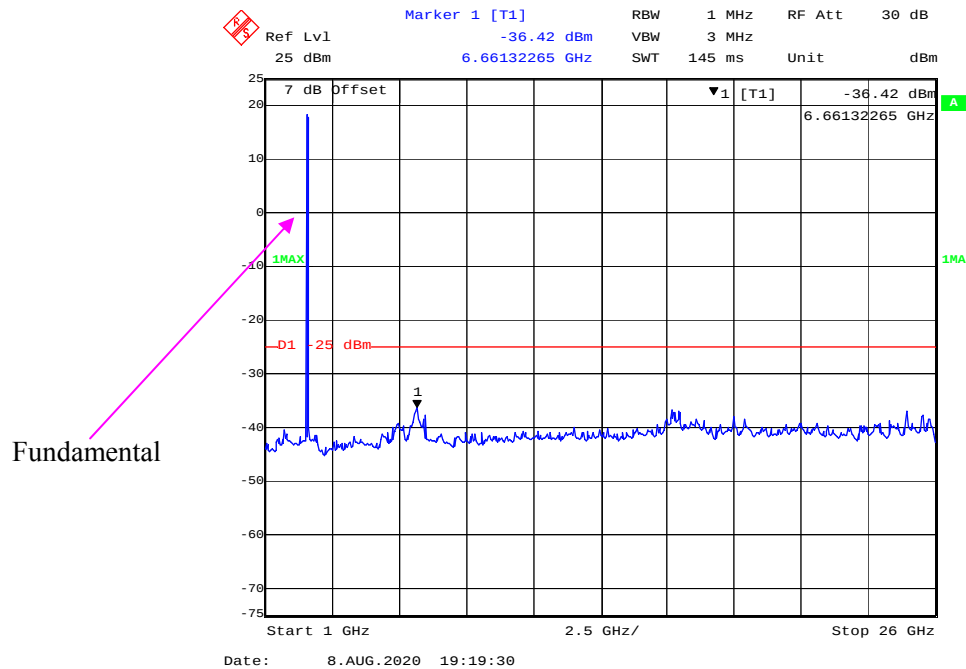
1 GHz – 26.5 GHz (QPSK, 15.0MHz, Middle Channel)



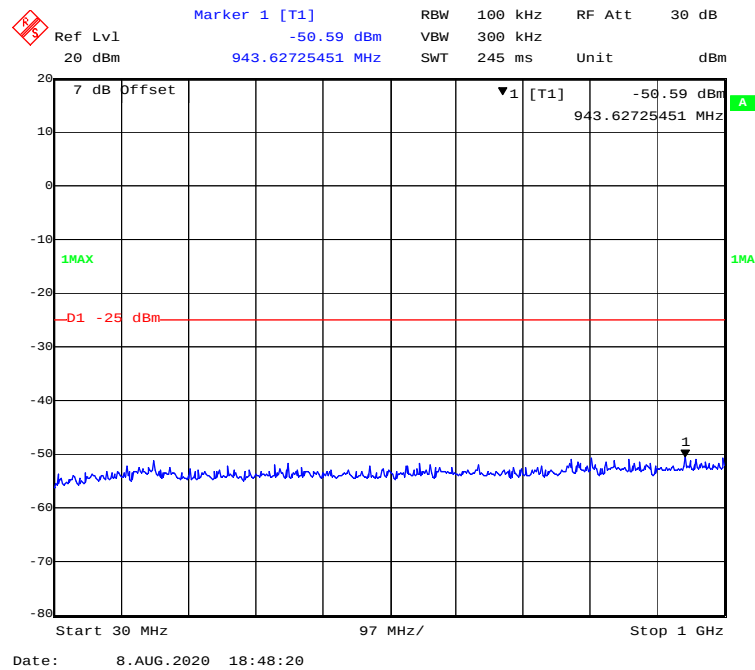
30 MHz - 1 GHz (QPSK, 20.0 MHz, Middle Channel)



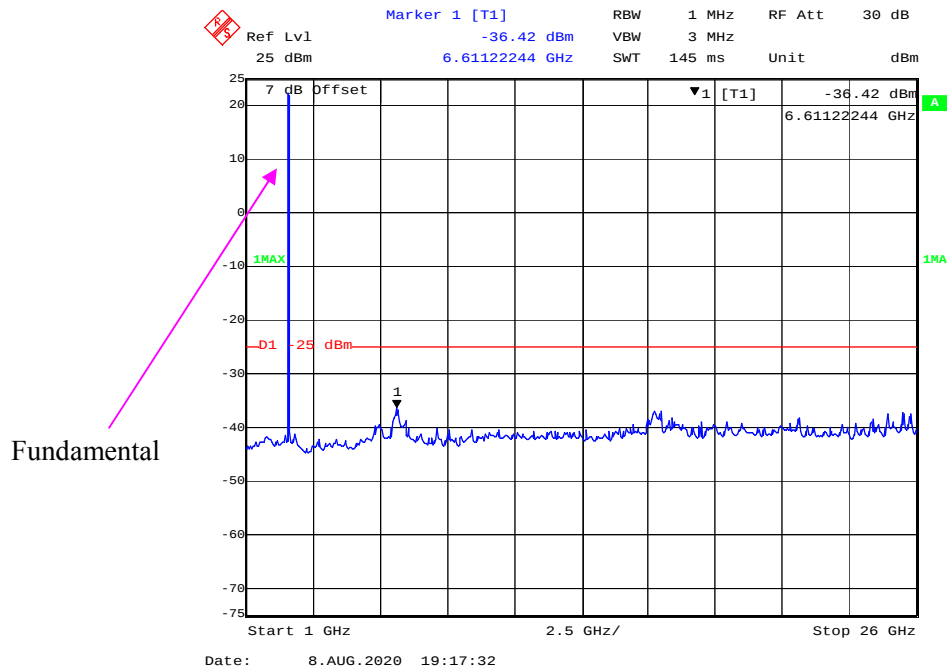
1 GHz – 26.5 GHz (QPSK, 20.0 MHz, Middle Channel)



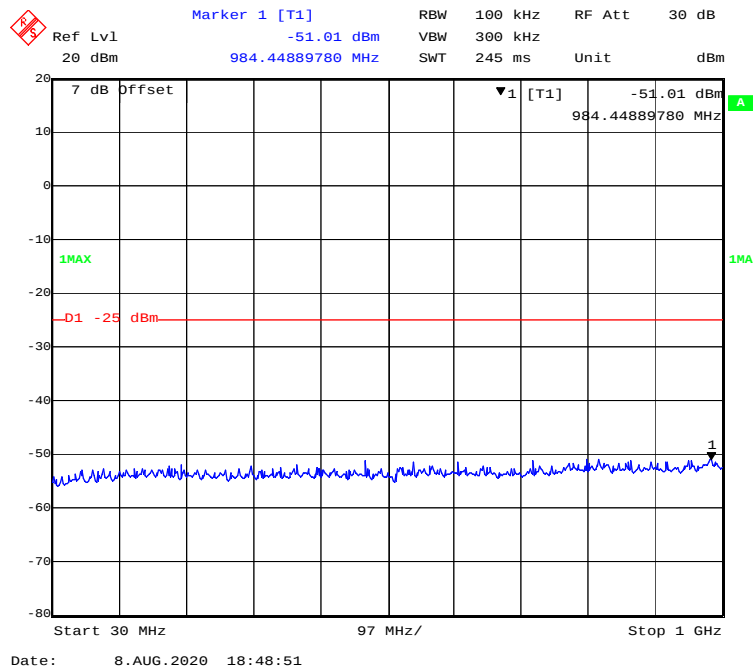
30 MHz - 1 GHz (16QAM, 5.0 MHz, Middle Channel)



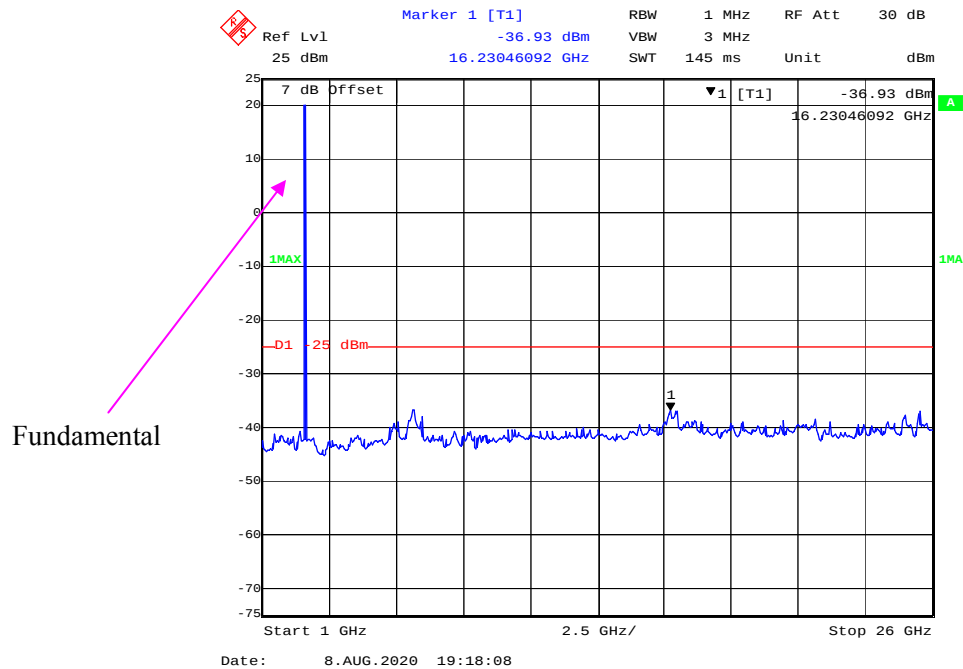
1 GHz – 26.5 GHz (16QAM, 5.0 MHz, Middle Channel)



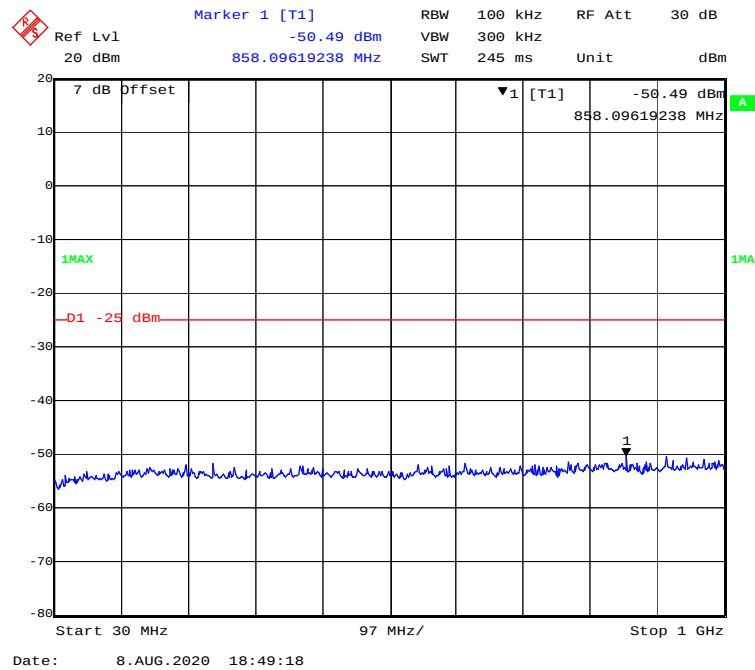
30 MHz - 1 GHz (16QAM, 10.0 MHz, Middle Channel)



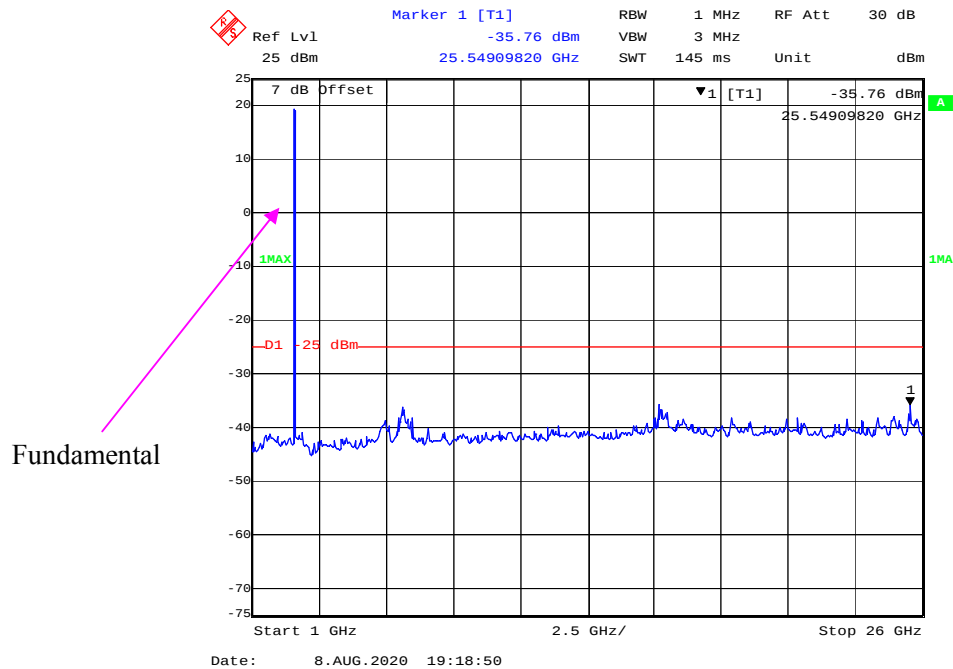
1 GHz – 26.5 GHz (16QAM, 10.0 MHz, Middle Channel)



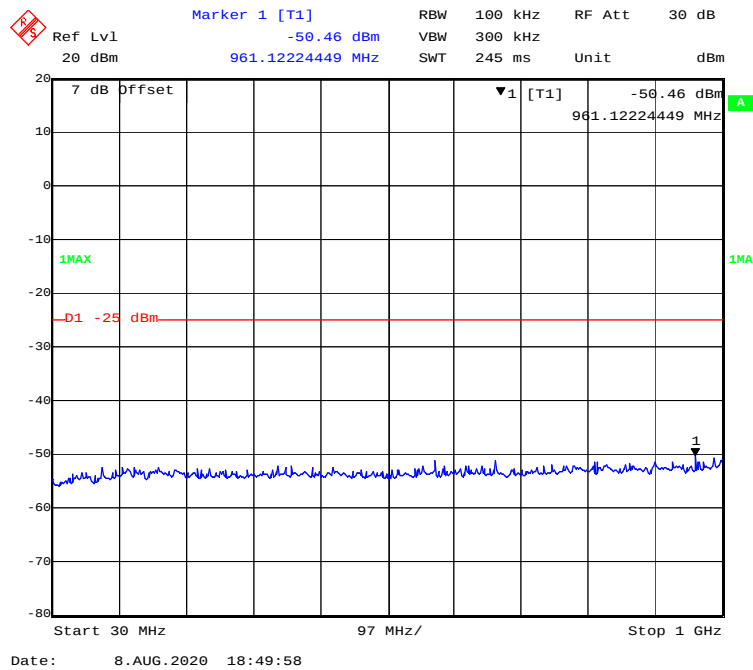
30 MHz - 1 GHz (16QAM, 15.0 MHz, Middle Channel)



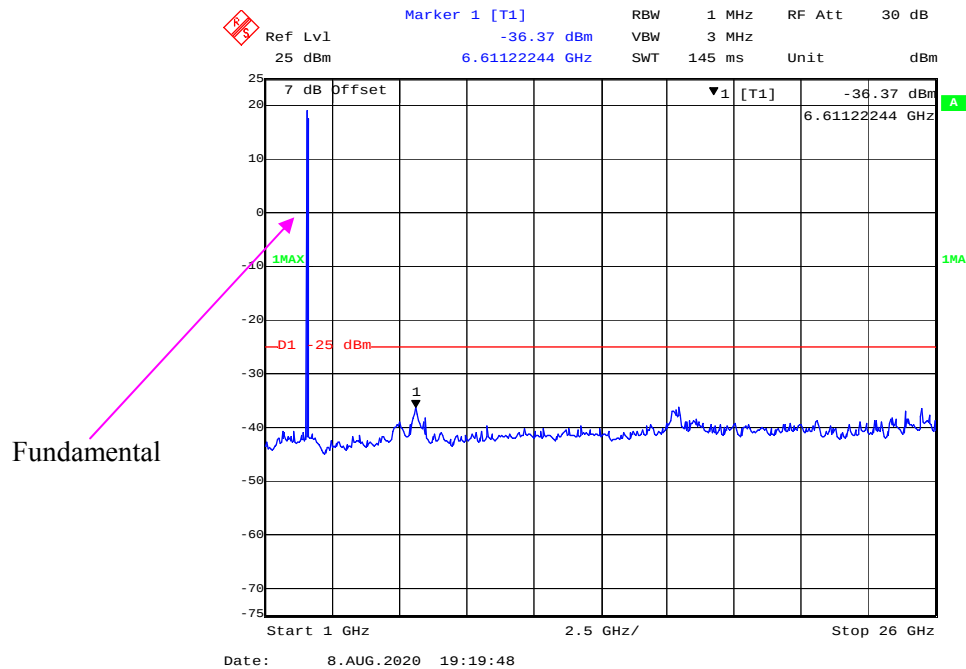
1 GHz – 26.5 GHz (16QAM, 15.0MHz, Middle Channel)



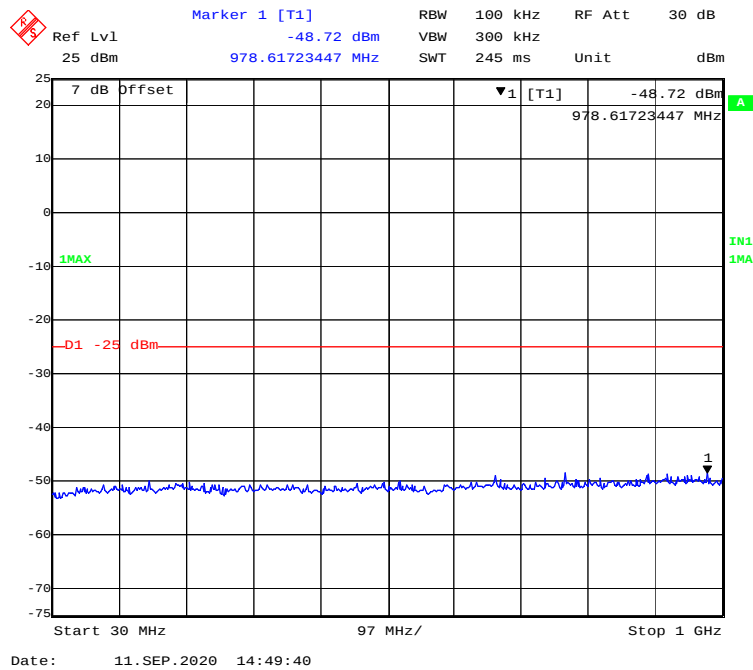
30 MHz - 1 GHz (16QAM, 20.0 MHz, Middle Channel)



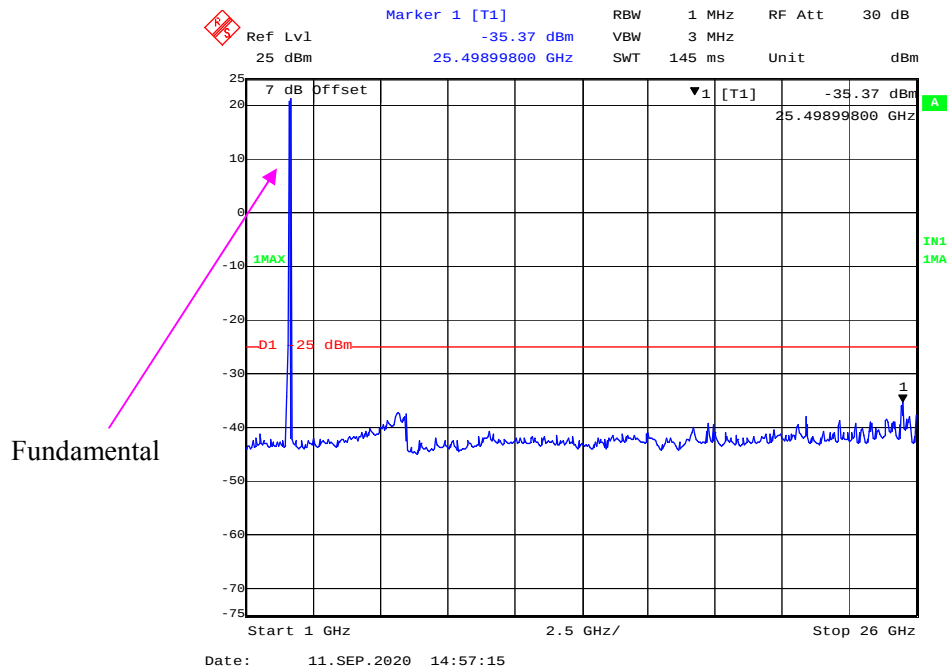
1 GHz – 26.5 GHz (16QAM, 20.0 MHz, Middle Channel)



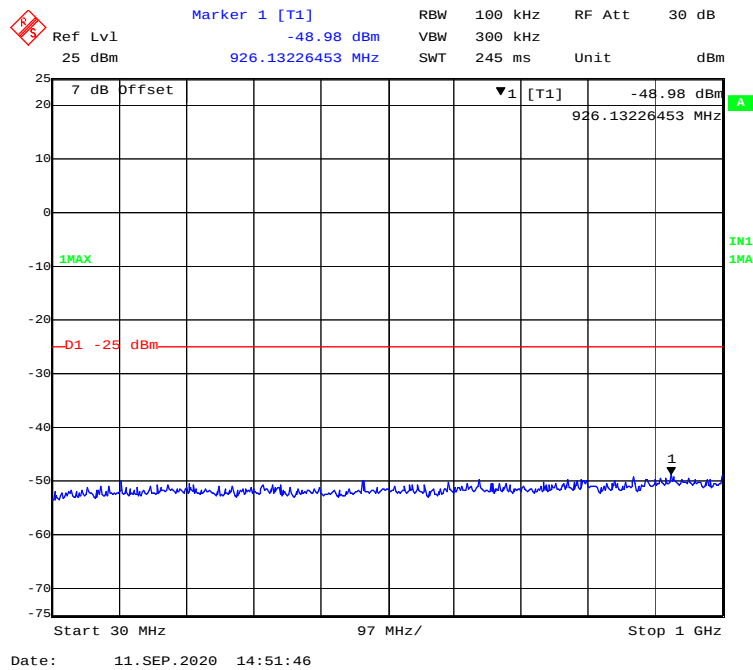
30 MHz - 1 GHz (QPSK, 5.0 MHz, High Channel)



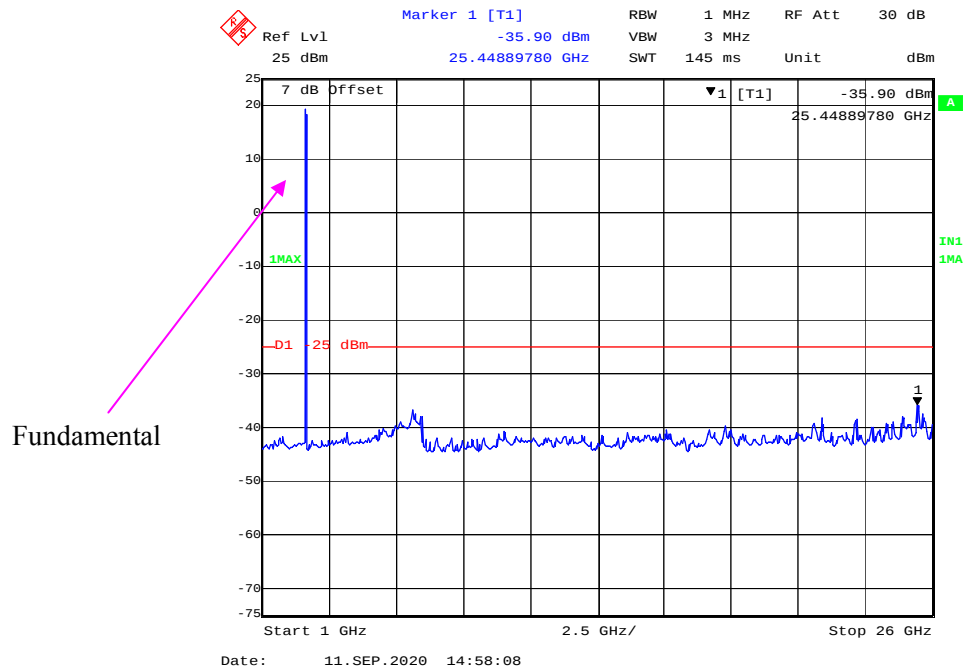
1 GHz – 26 GHz (QPSK, 5.0 MHz, High Channel)



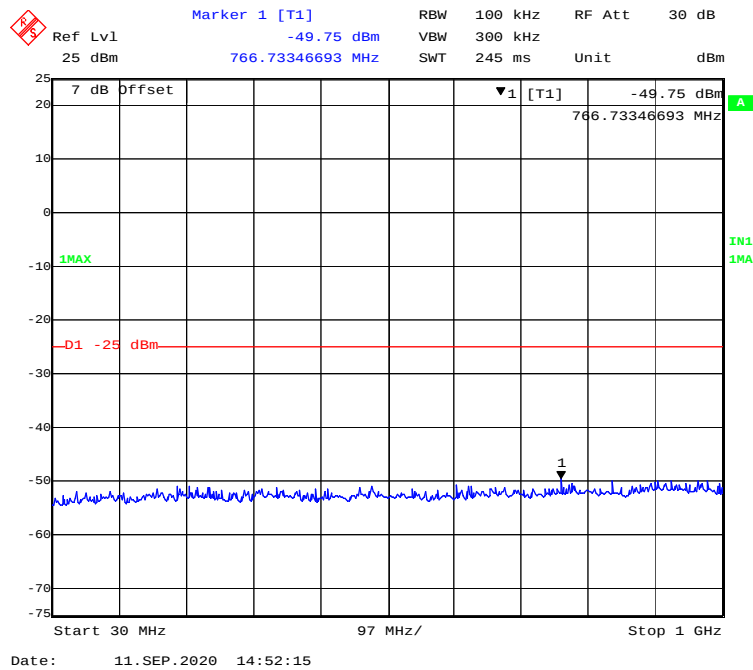
30 MHz - 1 GHz (QPSK, 10.0 MHz, High Channel)



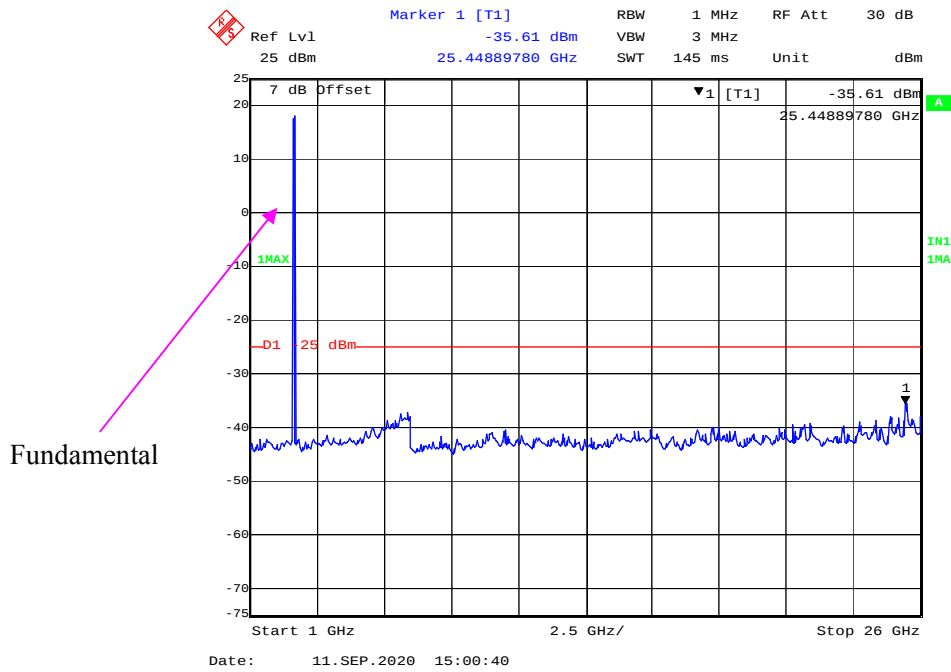
1 GHz – 26 GHz (QPSK, 10.0 MHz, High Channel)



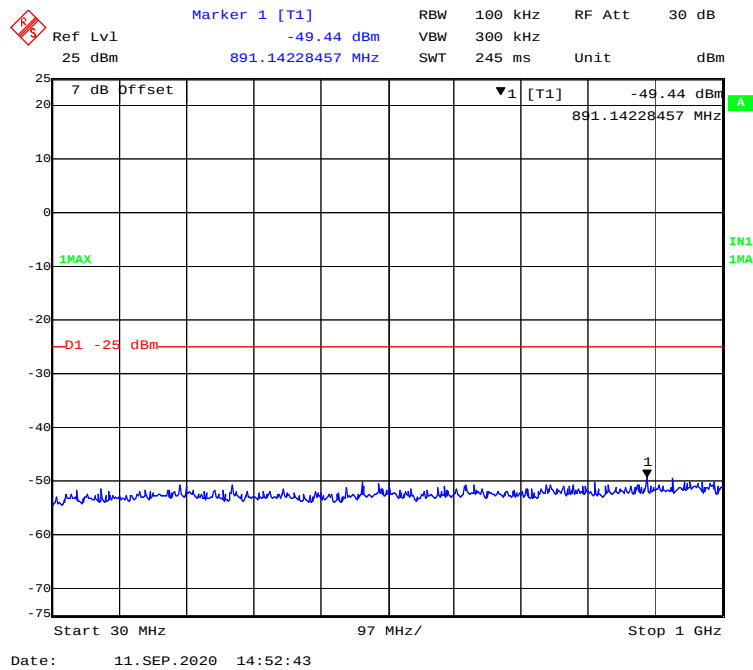
30 MHz - 1 GHz (QPSK, 15.0 MHz, High Channel)



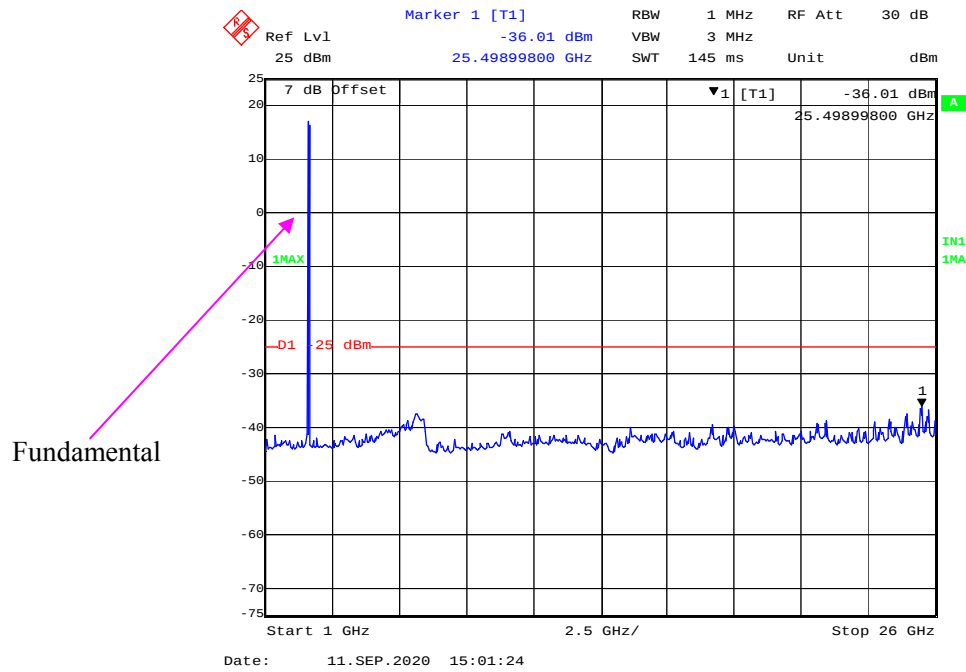
1 GHz - 26 GHz (QPSK, 15.0MHz, High Channel)



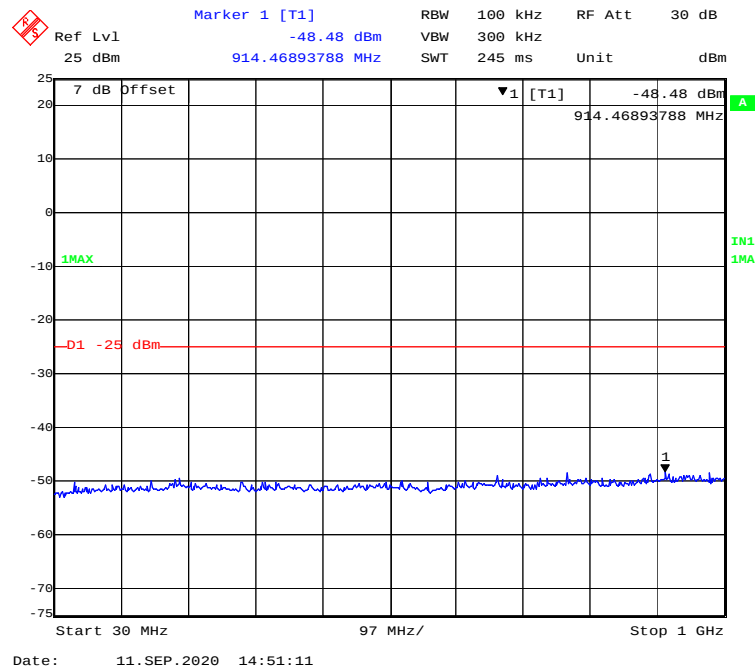
30 MHz - 1 GHz (QPSK, 20.0 MHz, High Channel)



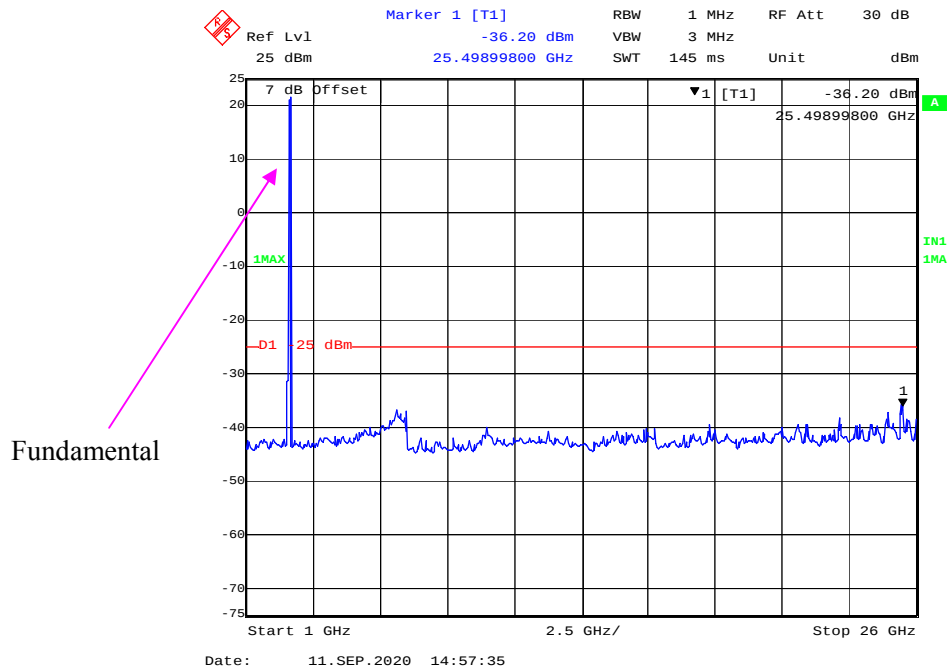
1 GHz – 26 GHz (QPSK, 20.0 MHz, High Channel)



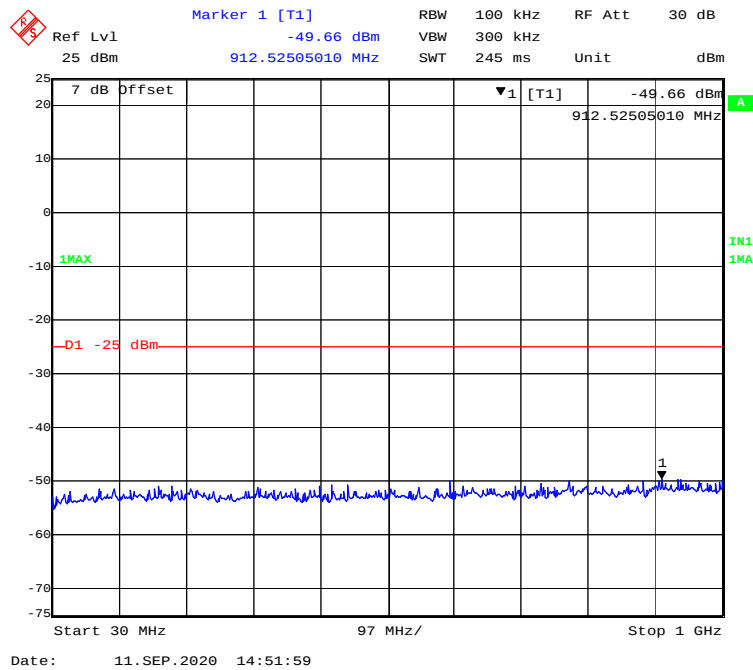
30 MHz - 1 GHz (16QAM, 5.0 MHz, High Channel)



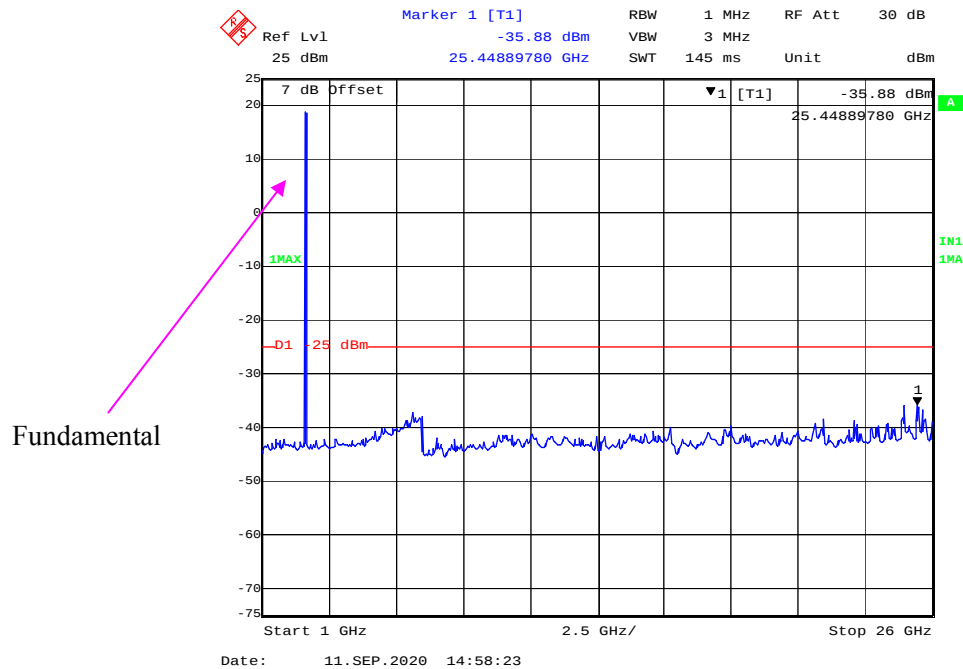
1 GHz – 26 GHz (16QAM, 5.0 MHz, High Channel)



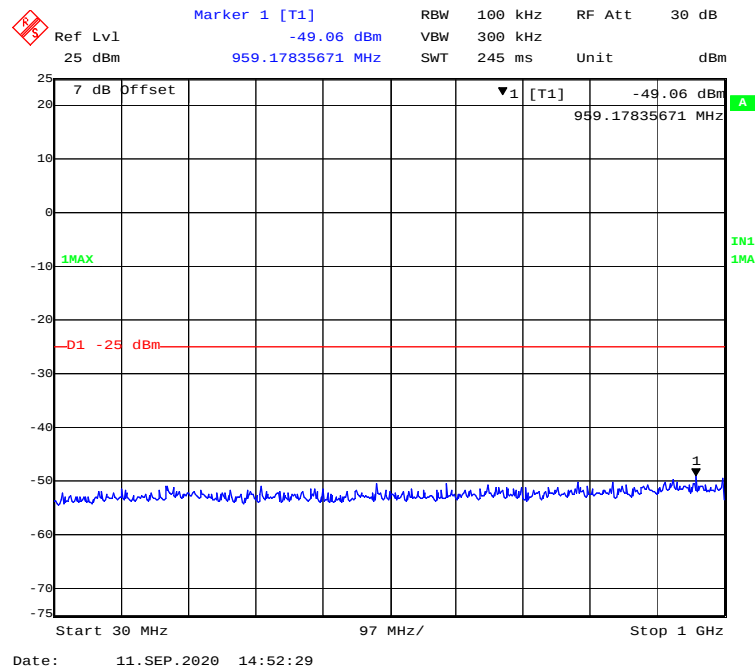
30 MHz - 1 GHz (16QAM, 10.0 MHz, High Channel)



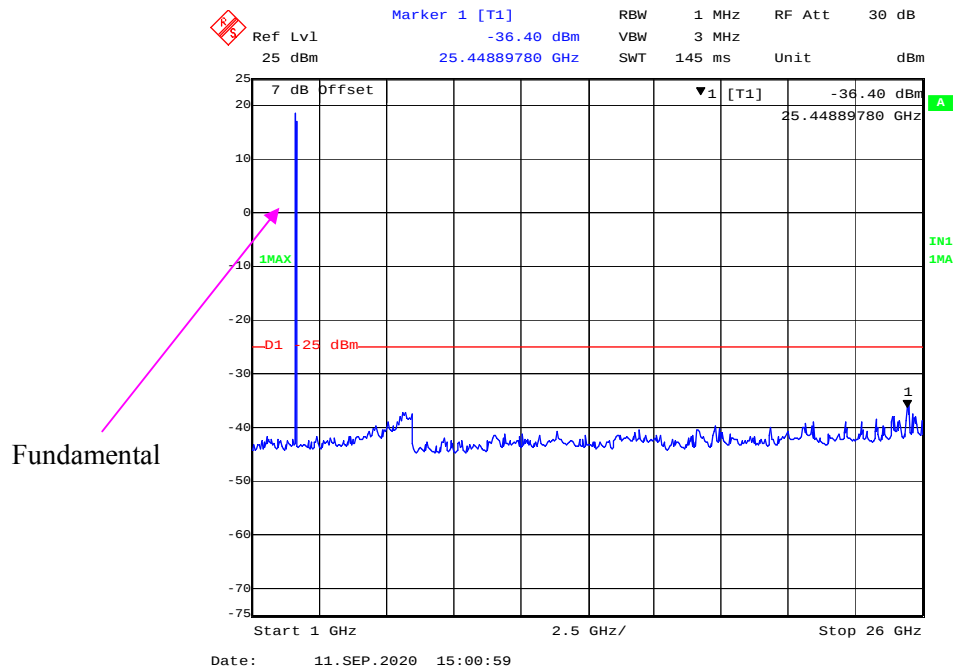
1 GHz - 26 GHz (16QAM, 10.0 MHz, High Channel)



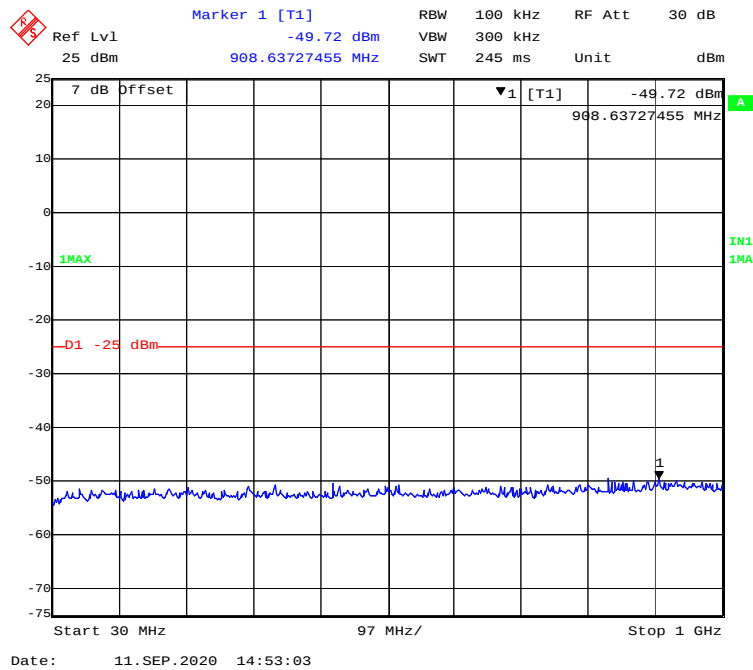
30 MHz - 1 GHz (16QAM, 15.0 MHz, High Channel)



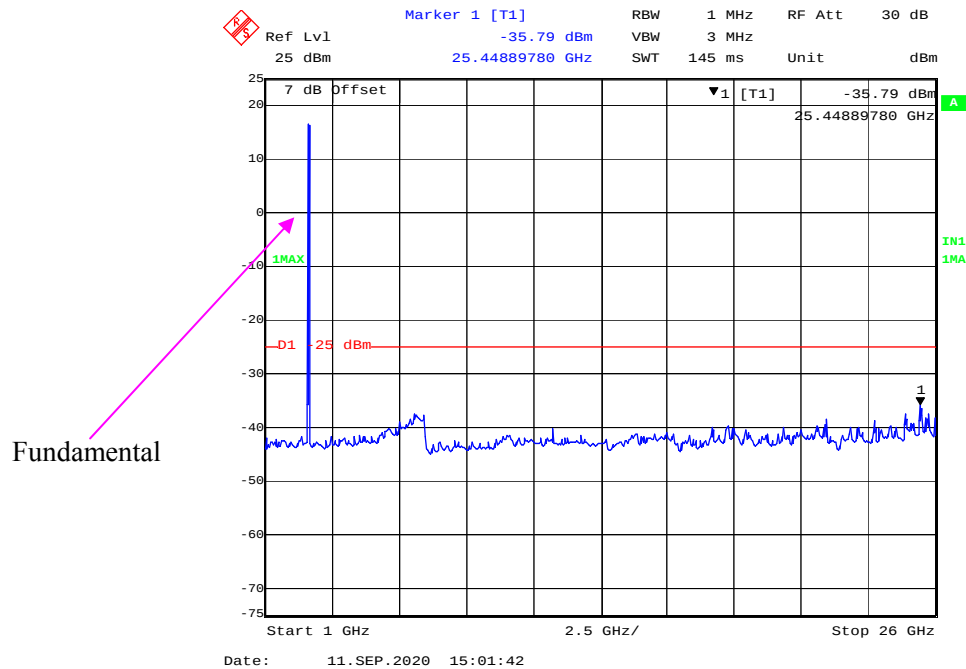
1 GHz – 26 GHz (16QAM, 15.0MHz, High Channel)



30 MHz - 1 GHz (16QAM, 20.0 MHz, High Channel)



1 GHz – 26 GHz (16QAM, 20.0 MHz, High Channel)



FCC § 2.1053; § 22.917 (a); § 24.238 (a)& §27.53 (m) - SPURIOUS RADIATED EMISSIONS

Applicable Standards

FCC § 2.1053, §22.917(a), § 24.238(a) and § 27.53 (m)

22.917 (a) Out of band emissions. 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.

24.238 (a) Out of band emissions. 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.

27.53 (m), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log (P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log (P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log (P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log (P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Test Procedure

The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable.

The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis.

The frequency range up to tenth harmonic of the fundamental frequency was investigated.

Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution.

Spurious emissions in dB = $10 \lg (\text{TX pwr in Watts}/0.001)$ – the absolute level

Spurious attenuation limit in dB = $43 + 10 \text{Log}_{10} (\text{power out in Watts})$

Test Data**Environmental Conditions**

Temperature:	23.5~24.9 °C
Relative Humidity:	50~52 %
ATM Pressure:	100.7~101.9 kPa

The testing was performed by CK Huang from 2020-08-06 to 2020-10-30.

Model: L1563

Test mode: Transmitting (Pre-scan with low, middle and high channels, and the worse case data as below)

30 MHz ~ 10 GHz:**GPRS 850 Band**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
459.46	55.85	195	210	H	-43.49	0.55	-1.71	-45.75	-13	32.75
459.46	56.11	56	158	V	-43.23	0.55	-1.71	-45.49	-13	32.49
1648.40	47.26	78	125	H	-66.09	0.84	8.44	-58.49	-13	45.49
1648.40	46.59	96	139	V	-66.76	0.84	8.44	-59.16	-13	46.16
GPRS Mode, Middle channel										
459.46	55.16	195	210	H	-44.18	0.55	-1.71	-46.44	-13	33.44
459.46	54.85	56	158	V	-44.49	0.55	-1.71	-46.75	-13	33.75
1673.20	35.87	78	125	H	-67.52	0.84	8.48	-59.88	-13	46.88
1673.20	37.26	96	139	V	-66.13	0.84	8.48	-58.49	-13	45.49
GPRS Mode, High channel										
459.46	55.82	195	210	H	-43.52	0.55	-1.71	-45.78	-13	32.78
459.46	56.12	56	158	V	-43.22	0.55	-1.71	-45.48	-13	32.48
1697.60	47.87	78	125	H	-65.14	0.84	8.52	-57.46	-13	44.46
1697.60	48.47	96	139	V	-64.54	0.84	8.52	-56.86	-13	43.86

WCDMA Band V

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
296.99	56.02	219	143	H	-50.85	0.46	-2.16	-53.47	-13	40.47
296.99	55.16	91	127	V	-51.71	0.46	-2.16	-54.33	-13	41.33
1652.80	56.54	145	104	H	-56.78	0.84	8.44	-56.49	-13	43.49
1652.80	57.16	264	201	V	-56.16	0.84	8.44	-55.96	-13	42.96
WCDMA Mode, Middle channel										
296.99	55.87	219	143	H	-51.00	0.46	-2.16	-53.62	-13	40.62
296.99	54.21	91	127	V	-52.66	0.46	-2.16	-55.28	-13	42.28
1673.20	56.54	145	104	H	-41.07	0.83	8.20	-59.73	-13	46.73
1673.20	57.16	264	201	V	-40.99	0.83	8.20	-58.96	-13	45.96
WCDMA Mode, High channel										
296.99	55.37	219	143	H	-51.50	0.46	-2.16	-54.12	-13	41.12
296.99	54.29	91	127	V	-52.58	0.46	-2.16	-55.20	-13	42.20
1693.20	56.54	145	104	H	-56.49	0.84	8.51	-55.19	-13	42.19
1693.20	57.16	264	201	V	-55.87	0.84	8.51	-54.96	-13	41.96

30 MHz ~ 20 GHz:**PCS 1900 Band**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
459.58	55.16	55	145	H	-44.19	0.55	-1.71	-46.45	-13	46.45
459.58	54.85	302	156	V	-44.50	0.55	-1.71	-46.76	-13	46.76
3700.40	40.18	225	189	H	-66.79	0.95	9.78	-57.96	-13	57.96
3700.40	38.65	110	200	V	-68.32	0.95	9.78	-59.49	-13	59.49
GPRS Mode, Middle channel										
459.58	55.37	55	145	H	-43.98	0.55	-1.71	-46.24	-13	46.24
459.58	56.12	302	156	V	-43.23	0.55	-1.71	-45.49	-13	45.49
3760.00	40.02	225	189	H	-56.69	0.95	9.74	-47.90	-13	47.90
3760.00	41.73	110	200	V	-54.98	0.95	9.74	-46.19	-13	46.19
GPRS Mode, High channel										
459.58	55.02	55	145	H	-44.33	0.55	-1.71	-46.59	-13	46.59
459.58	56.74	302	156	V	-42.61	0.55	-1.71	-44.87	-13	44.87
3819.60	39.35	225	189	H	-67.24	0.96	9.71	-58.49	-13	58.49
3819.60	38.35	110	200	V	-68.24	0.96	9.71	-59.49	-13	59.49

WCDMA Band II

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
459.58	55.19	118	156	H	-44.16	0.55	-1.71	-46.42	-13	33.42
459.58	56.42	356	141	V	-42.93	0.55	-1.71	-45.19	-13	32.19
3704.80	47.61	245	207	H	-59.35	0.95	9.78	-55.19	-13	42.19
3704.80	48.35	216	162	V	-58.61	0.95	9.78	-53.49	-13	40.49
WCDMA Mode, Middle channel										
459.58	54.55	118	156	H	-44.80	0.55	-1.71	-47.06	-13	34.06
459.58	55.19	356	141	V	-44.16	0.55	-1.71	-46.42	-13	33.42
3760.00	47.61	245	207	H	-50.06	0.93	9.90	-54.81	-13	41.81
3760.00	48.35	216	162	V	-49.79	0.93	9.90	-54.66	-13	41.66
WCDMA Mode, High channel										
296.99	54.39	118	156	H	-44.96	0.55	-1.71	-47.22	-13	34.22
296.99	55.17	356	141	V	-44.18	0.55	-1.71	-46.44	-13	33.44
3815.20	47.61	245	207	H	-58.99	0.96	9.71	-54.69	-13	41.69
3815.20	48.35	216	162	V	-58.25	0.96	9.71	-55.46	-13	42.46

Note:

- 1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)
- 2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

Test mode: Transmitting (Pre-scan with all the bandwidth, and worse case as below)

30 MHz ~ 20 GHz:

LTE Band 2:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
459.58	52.06	0	100	H	-47.33	0.55	-1.71	-45.07	-13	32.07
459.58	51.75	154	200	V	-47.64	0.55	-1.71	-45.38	-13	32.38
3701.40	41.10	313	150	H	-65.86	0.95	9.78	-57.03	-13	44.03
3701.40	41.28	184	100	V	-65.68	0.95	9.78	-56.85	-13	43.85
16-QAM 1.4MHz Bandwidth Low Channel										
459.58	52.02	61	150	H	-47.37	0.55	-1.71	-45.11	-13	32.11
459.58	51.76	267	150	V	-47.63	0.55	-1.71	-45.37	-13	32.37
3701.40	40.97	87	200	H	-65.99	0.95	9.78	-57.16	-13	44.16
3701.40	41.17	232	200	V	-65.79	0.95	9.78	-56.96	-13	43.96

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Middle Channel										
459.58	51.04	164	100	H	-48.35	0.55	-1.71	-46.09	-13	33.09
459.58	52.08	307	200	V	-47.31	0.55	-1.71	-45.05	-13	32.05
3760.00	41.33	33	150	H	-65.45	0.95	9.74	-56.66	-13	43.66
3760.00	39.83	178	100	V	-66.95	0.95	9.74	-58.16	-13	45.16
16-QAM 1.4MHz Bandwidth Middle Channel										
459.58	51.45	30	150	H	-47.94	0.55	-1.71	-45.68	-13	32.68
459.58	52.45	280	150	V	-46.94	0.55	-1.71	-44.68	-13	31.68
3760.00	40.3	52	200	H	-66.48	0.95	9.74	-57.69	-13	44.69
3760.00	39.84	15	200	V	-66.94	0.95	9.74	-58.15	-13	45.15

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth High Channel										
459.58	53.01	316	100	H	-46.38	0.55	-1.71	-44.12	-13	31.12
459.58	52.44	179	200	V	-46.95	0.55	-1.71	-44.69	-13	31.69
3818.60	40.66	314	150	H	-65.94	0.96	9.71	-57.19	-13	44.19
3818.60	41.63	262	100	V	-64.97	0.96	9.71	-56.22	-13	43.22
16-QAM 1.4MHz Bandwidth High Channel										
459.58	53.12	284	150	H	-46.27	0.55	-1.71	-44.01	-13	31.01
459.58	52.74	221	150	V	-46.65	0.55	-1.71	-44.39	-13	31.39
3818.60	41.37	35	200	H	-65.23	0.96	9.71	-56.48	-13	43.48
3818.60	39.84	147	200	V	-66.76	0.96	9.71	-58.01	-13	45.01

LTE Band 4:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
457.52	50.74	60	100	H	-48.39	0.55	-1.69	-46.15	-13	33.15
457.52	51.29	1	200	V	-47.84	0.55	-1.69	-45.60	-13	32.60
3421.40	41.86	12	150	H	-66.08	0.93	9.82	-57.19	-13	44.19
3421.40	42.10	114	100	V	-65.84	0.93	9.82	-56.95	-13	43.95
16-QAM 1.4MHz Bandwidth Low Channel										
457.52	51.94	16	150	H	-47.19	0.55	-1.69	-44.95	-13	31.95
457.52	50.49	257	150	V	-48.64	0.55	-1.69	-46.40	-13	33.40
3421.40	43.26	39	200	H	-64.68	0.93	9.82	-55.79	-13	42.79
3421.40	42.57	246	200	V	-65.37	0.93	9.82	-56.48	-13	43.48

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Middle Channel										
457.52	50.25	118	100	H	-48.88	0.55	-1.69	-46.64	-13	33.64
457.52	51.85	93	200	V	-47.28	0.55	-1.69	-45.04	-13	32.04
3465.00	42.15	133	150	H	-65.60	0.93	9.87	-56.66	-13	43.66
3465.00	40.62	160	100	V	-67.13	0.93	9.87	-58.19	-13	45.19
16-QAM 1.4MHz Bandwidth Middle Channel										
457.52	51.73	331	150	H	-47.40	0.55	-1.69	-45.16	-13	32.16
457.52	50.36	324	150	V	-48.77	0.55	-1.69	-46.53	-13	33.53
3465.00	43.62	70	200	H	-64.13	0.93	9.87	-55.19	-13	42.19
3465.00	41.25	359	200	V	-66.50	0.93	9.87	-57.56	-13	44.56

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth High Channel										
457.52	51.46	213	100	H	-47.67	0.55	-1.69	-45.43	-13	32.43
457.52	52.77	189	200	V	-46.36	0.55	-1.69	-44.12	-13	31.12
3508.60	40.66	34	150	H	-66.91	0.93	9.90	-57.94	-13	44.94
3508.60	42.58	27	100	V	-64.99	0.93	9.90	-56.02	-13	43.02
16-QAM 1.4MHz Bandwidth High Channel										
457.52	51.08	45	150	H	-48.05	0.55	-1.69	-45.81	-13	32.81
457.52	52.33	118	150	V	-46.8	0.55	-1.69	-44.56	-13	31.56
3508.60	42.58	241	200	H	-64.99	0.93	9.90	-56.02	-13	43.02
3508.60	42.82	224	200	V	-64.75	0.93	9.90	-55.78	-13	42.78

30 MHz ~ 10 GHz:**LTE Band 5:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
459.22	50.39	204	100	H	-48.93	0.55	-1.71	-46.67	-13	33.67
459.22	51.74	211	200	V	-47.58	0.55	-1.71	-45.32	-13	32.32
1649.40	49.89	86	150	H	-63.45	0.84	8.44	-55.85	-13	42.85
1649.40	46.27	150	100	V	-67.07	0.84	8.44	-59.47	-13	46.47
16-QAM 1.4MHz Bandwidth Low Channel										
459.22	51.55	27	150	H	-47.77	0.55	-1.71	-45.51	-13	32.51
459.22	50.41	210	150	V	-48.91	0.55	-1.71	-46.65	-13	33.65
1649.40	48.83	297	200	H	-64.51	0.84	8.44	-56.91	-13	43.91
1649.40	50.55	135	200	V	-62.79	0.84	8.44	-55.19	-13	42.19

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Middle Channel										
459.22	50.06	158	100	H	-49.26	0.55	-1.71	-47.00	-13	34.00
459.22	51.69	251	200	V	-47.63	0.55	-1.71	-45.37	-13	32.37
1673.00	41.07	341	150	H	-62.32	0.84	8.48	-54.68	-13	41.68
1673.00	39.70	106	100	V	-63.69	0.84	8.48	-56.05	-13	43.05
16-QAM 1.4MHz Bandwidth Middle Channel										
459.22	51.25	34	150	H	-48.07	0.55	-1.71	-45.81	-13	32.81
459.22	50.85	72	150	V	-48.47	0.55	-1.71	-46.21	-13	33.21
1673.00	41.70	186	200	H	-61.69	0.84	8.48	-54.05	-13	41.05
1673.00	38.90	74	200	V	-64.49	0.84	8.48	-56.85	-13	43.85

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth High Channel										
459.22	50.33	313	100	H	-48.99	0.55	-1.71	-46.73	-13	33.73
459.22	51.49	153	200	V	-47.83	0.55	-1.71	-45.57	-13	32.57
1696.60	49.32	22	150	H	-63.69	0.84	8.51	-56.02	-13	43.02
1696.60	49.87	98	100	V	-63.14	0.84	8.51	-55.47	-13	42.47
16-QAM 1.4MHz Bandwidth High Channel										
459.22	50.33	313	100	H	-48.99	0.55	-1.71	-46.73	-13	33.73
459.22	51.49	153	200	V	-47.83	0.55	-1.71	-45.57	-13	32.57
1696.60	49.32	22	150	H	-63.69	0.84	8.51	-56.02	-13	43.02
1696.60	49.87	98	100	V	-63.14	0.84	8.51	-55.47	-13	42.47

30MHz~26GHz:**LTE Band 7:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
457.52	50.17	179	200	H	-48.99	0.55	-1.70	-46.74	-25	21.74
457.52	51.74	108	200	V	-47.42	0.55	-1.70	-45.17	-25	20.17
5005.00	40.81	267	100	H	-65.18	1.08	10.30	-55.96	-25	30.96
5005.00	40.68	238	150	V	-65.31	1.08	10.30	-56.09	-25	31.09
16-QAM 5MHz Bandwidth Low Channel										
457.52	50.33	27	100	H	-48.83	0.55	-1.70	-46.58	-25	21.58
457.52	51.74	315	150	V	-47.42	0.55	-1.70	-45.17	-25	20.17
5005.00	42.58	234	150	H	-63.41	1.08	10.30	-54.19	-25	29.19
5005.00	40.81	191	200	V	-65.18	1.08	10.30	-55.96	-25	30.96

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
457.52	50.62	241	200	H	-48.54	0.55	-1.70	-46.29	-25	21.29
457.52	51.69	346	200	V	-47.47	0.55	-1.70	-45.22	-25	20.22
5070.00	30.83	263	100	H	-64.45	1.09	10.30	-55.24	-25	30.24
5070.00	28.99	220	150	V	-66.29	1.09	10.30	-57.08	-25	32.08
16-QAM 5MHz Bandwidth Middle Channel										
457.52	50.48	147	100	H	-48.68	0.55	-1.70	-46.43	-25	21.43
457.52	51.85	179	150	V	-47.31	0.55	-1.70	-45.06	-25	20.06
5070.00	30.22	337	150	H	-65.06	1.09	10.30	-55.85	-25	30.85
5070.00	27.95	127	200	V	-67.33	1.09	10.30	-58.12	-25	33.12

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
457.52	51.33	124	200	H	-47.83	0.55	-1.70	-45.58	-25	20.58
457.52	52.09	143	200	V	-47.07	0.55	-1.70	-44.82	-25	19.82
5135.00	40.02	94	100	H	-65.25	1.10	10.30	-56.05	-25	31.05
5135.00	40.33	49	150	V	-64.94	1.10	10.30	-55.74	-25	30.74
16-QAM 5MHz Bandwidth High Channel										
457.52	50.74	63	100	H	-48.42	0.55	-1.70	-46.17	-25	21.17
457.52	51.49	199	150	V	-47.67	0.55	-1.70	-45.42	-25	20.42
5135.00	41.99	75	150	H	-63.28	1.10	10.30	-54.08	-25	29.08
5135.00	40.22	66	200	V	-65.05	1.10	10.30	-55.85	-25	30.85

LTE Band 38:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
459.22	49.11	24	100	H	-50.21	0.55	-1.71	-47.95	-25	22.95
459.22	50.37	359	200	V	-48.95	0.55	-1.71	-46.69	-25	21.69
5145.00	40.02	76	100	H	-65.19	1.10	10.30	-55.99	-25	30.99
5145.00	39.92	50	150	V	-65.29	1.10	10.30	-56.09	-25	31.09
16-QAM 5MHz Bandwidth Low Channel										
459.22	51.49	66	100	H	-47.83	0.55	-1.71	-45.57	-25	20.57
459.22	50.09	335	150	V	-49.23	0.55	-1.71	-46.97	-25	21.97
5145.00	39.26	265	100	H	-65.95	1.10	10.30	-56.75	-25	31.75
5145.00	40.16	64	200	V	-65.05	1.10	10.30	-55.85	-25	30.85

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
459.22	49.26	3	100	H	-50.06	0.55	-1.71	-47.80	-25	22.80
459.22	51.74	50	200	V	-47.58	0.55	-1.71	-45.32	-25	20.32
5190.00	30.16	206	100	H	-64.73	1.10	10.30	-55.53	-25	30.53
5190.00	29.17	189	150	V	-65.72	1.10	10.30	-56.52	-25	31.52
16-QAM 5MHz Bandwidth Middle Channel										
459.22	51.37	222	100	H	-47.95	0.55	-1.71	-45.69	-25	20.69
459.22	50.09	194	150	V	-49.23	0.55	-1.71	-46.97	-25	21.97
5190.00	29.85	153	100	H	-65.04	1.10	10.30	-55.84	-25	30.84
5190.00	28.67	282	200	V	-66.22	1.10	10.30	-57.02	-25	32.02

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
459.22	49.47	25	100	H	-49.85	0.55	-1.71	-47.59	-25	22.59
459.22	50.88	305	200	V	-48.44	0.55	-1.71	-46.18	-25	21.18
5235.00	40.44	78	100	H	-64.27	1.11	10.30	-55.08	-25	30.08
5235.00	38.56	256	150	V	-66.15	1.11	10.30	-56.96	-25	31.96
16-QAM 5MHz Bandwidth High Channel										
459.22	51.47	12	100	H	-47.85	0.55	-1.71	-45.59	-25	20.59
459.22	50.39	4	150	V	-48.93	0.55	-1.71	-46.67	-25	21.67
5235.00	38.44	302	100	H	-66.27	1.11	10.30	-57.08	-25	32.08
5235.00	39.08	13	200	V	-65.63	1.11	10.30	-56.44	-25	31.44

LTE Band 40:**2305-2315MHz**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
457.52	49.22	346	150	H	-49.94	0.55	-1.70	-47.69	-40	7.69
457.52	50.36	290	200	V	-48.80	0.55	-1.70	-46.55	-40	6.55
4615.00	43.87	33	100	H	-63.05	1.03	9.99	-54.09	-40	14.09
4615.00	41.11	136	100	V	-65.81	1.03	9.99	-56.85	-40	16.85
16-QAM 5MHz Bandwidth Low Channel										
457.52	50.69	163	200	H	-48.47	0.55	-1.70	-46.22	-40	6.22
457.52	50.75	153	150	V	-48.41	0.55	-1.70	-46.16	-40	6.16
4615.00	43.20	255	150	H	-63.72	1.03	9.99	-54.76	-40	14.76
4615.00	42.11	340	100	V	-64.81	1.03	9.99	-55.85	-40	15.85

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
457.52	49.55	202	150	H	-49.61	0.55	-1.70	-47.36	-40	7.36
457.52	51.69	118	200	V	-47.47	0.55	-1.70	-45.22	-40	5.22
4620.00	42.17	109	100	H	-64.74	1.03	10.00	-55.77	-40	15.77
4620.00	40.81	168	100	V	-66.10	1.03	10.00	-57.13	-40	17.13
16-QAM 5MHz Bandwidth Middle Channel										
457.52	50.26	206	200	H	-48.90	0.55	-1.70	-46.65	-40	6.65
457.52	49.36	39	150	V	-49.80	0.55	-1.70	-47.55	-40	7.55
4620.00	42.51	279	150	H	-64.40	1.03	10.00	-55.43	-40	15.43
4620.00	40.09	195	100	V	-66.82	1.03	10.00	-57.85	-40	17.85

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
457.52	48.09	91	150	H	-51.07	0.55	-1.70	-48.82	-40	8.82
457.52	50.69	292	200	V	-48.47	0.55	-1.70	-46.22	-40	6.22
4625.00	43.89	59	100	H	-63.01	1.04	10.00	-54.05	-40	14.05
4625.00	41.98	143	100	V	-64.92	1.04	10.00	-55.96	-40	15.96
16-QAM 5MHz Bandwidth High Channel										
457.52	49.09	58	200	H	-50.07	0.55	-1.70	-47.82	-40	7.82
457.52	50.77	168	150	V	-48.39	0.55	-1.70	-46.14	-40	6.14
4625.00	42.83	149	150	H	-64.07	1.04	10.00	-55.11	-40	15.11
4625.00	43.20	229	100	V	-63.70	1.04	10.00	-54.74	-40	14.74

2350-2360MHz

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
457.52	49.12	247	150	H	-50.04	0.55	-1.70	-47.79	-40	7.79
457.52	50.33	205	200	V	-48.83	0.55	-1.70	-46.58	-40	6.58
4705.00	42.67	239	100	H	-64.04	1.04	10.06	-55.02	-40	15.02
4705.00	42.73	91	100	V	-63.98	1.04	10.06	-54.96	-40	14.96
16-QAM 5MHz Bandwidth Low Channel										
457.52	50.12	156	200	H	-49.04	0.55	-1.70	-46.79	-40	6.79
457.52	49.69	207	150	V	-49.47	0.55	-1.70	-47.22	-40	7.22
4705.00	41.73	56	150	H	-64.98	1.04	10.06	-55.96	-40	15.96
4705.00	43.57	56	100	V	-63.14	1.04	10.06	-54.12	-40	14.12

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
457.52	48.50	116	150	H	-50.66	0.55	-1.70	-48.41	-40	8.41
457.52	50.46	118	200	V	-48.70	0.55	-1.70	-46.45	-40	6.45
4710.00	41.52	305	100	H	-65.18	1.05	10.07	-56.16	-40	16.16
4710.00	40.83	111	100	V	-65.87	1.05	10.07	-56.85	-40	16.85
16-QAM 5MHz Bandwidth Middle Channel										
457.52	49.39	188	200	H	-49.77	0.55	-1.70	-47.52	-40	7.52
457.52	50.42	319	150	V	-48.74	0.55	-1.70	-46.49	-40	6.49
4710.00	41.53	106	150	H	-65.17	1.05	10.07	-56.15	-40	16.15
4710.00	40.39	267	100	V	-66.31	1.05	10.07	-57.29	-40	17.29

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
457.52	49.66	42	150	H	-49.50	0.55	-1.70	-47.25	-40	7.25
457.52	51.36	52	200	V	-47.80	0.55	-1.70	-45.55	-40	5.55
4715.00	42.52	328	100	H	-64.17	1.05	10.07	-55.15	-40	15.15
4715.00	42.98	118	100	V	-63.71	1.05	10.07	-54.69	-40	14.69
16-QAM 5MHz Bandwidth High Channel										
457.52	51.22	212	200	H	-47.94	0.55	-1.70	-45.69	-40	5.69
457.52	49.55	186	150	V	-49.61	0.55	-1.70	-47.36	-40	7.36
4715.00	43.01	48	150	H	-63.68	1.05	10.07	-54.66	-40	14.66
4715.00	41.82	21	100	V	-64.87	1.05	10.07	-55.85	-40	15.85

LTE Band 41:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
459.58	49.55	197	150	H	-49.80	0.55	-1.71	-47.54	-25	22.54
459.58	51.34	24	200	V	-48.01	0.55	-1.71	-45.75	-25	20.75
5115.00	39.38	283	100	H	-66.00	1.09	10.30	-56.79	-25	31.79
5115.00	38.98	200	100	V	-66.40	1.09	10.30	-57.19	-25	32.19
16-QAM 5MHz Bandwidth Low Channel										
459.58	49.85	293	200	H	-49.50	0.55	-1.71	-47.24	-25	22.24
459.58	51.08	183	150	V	-48.27	0.55	-1.71	-46.01	-25	21.01
5115.00	39.33	356	150	H	-66.05	1.09	10.30	-56.84	-25	31.84
5115.00	39.08	73	100	V	-66.30	1.09	10.30	-57.09	-25	32.09

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
459.58	48.72	199	150	H	-50.63	0.55	-1.71	-48.37	-25	23.37
459.58	51.39	260	200	V	-47.96	0.55	-1.71	-45.70	-25	20.70
5210.00	28.21	178	100	H	-66.62	1.11	10.30	-57.43	-25	32.43
5210.00	29.45	292	100	V	-65.38	1.11	10.30	-56.19	-25	31.19
16-QAM 5MHz Bandwidth Middle Channel										
459.58	49.02	35	200	H	-50.33	0.55	-1.71	-48.07	-25	23.07
459.58	50.84	115	150	V	-48.51	0.55	-1.71	-46.25	-25	21.25
5210.00	28.80	22	150	H	-66.03	1.11	10.30	-56.84	-25	31.84
5210.00	27.58	247	100	V	-67.25	1.11	10.30	-58.06	-25	33.06

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
459.58	49.33	43	150	H	-50.02	0.55	-1.71	-47.76	-25	22.76
459.58	50.47	84	200	V	-48.88	0.55	-1.71	-46.62	-25	21.62
5305.00	39.99	96	100	H	-64.33	1.12	10.30	-55.15	-25	30.15
5305.00	38.29	222	100	V	-66.03	1.12	10.30	-56.85	-25	31.85
16-QAM 5MHz Bandwidth High Channel										
459.58	49.76	301	200	H	-49.59	0.55	-1.71	-47.33	-25	22.33
459.58	50.77	303	150	V	-48.58	0.55	-1.71	-46.32	-25	21.32
5305.00	39.06	1	150	H	-65.26	1.12	10.30	-56.08	-25	31.08
5305.00	37.69	305	100	V	-66.63	1.12	10.30	-57.45	-25	32.45

Note:

1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)

2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

Model: L1573*Test mode: Transmitting (Pre-scan with low, middle and high channels, and the worse case data as below)***30 MHz ~ 10 GHz:****GPRS 850 Band**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
569.23	56.02	195	210	H	-48.01	0.58	-1.05	-49.64	-13	36.64
569.23	55.85	56	158	V	-48.18	0.58	-1.05	-49.81	-13	36.81
1648.40	49.89	78	125	H	-63.46	0.84	8.44	-55.86	-13	42.86
1648.40	50.89	96	139	V	-62.46	0.84	8.44	-54.86	-13	41.86
GPRS Mode, Middle channel										
569.23	56.03	18	100	H	-48.00	0.58	-1.05	-49.63	-13	36.63
569.23	54.71	227	150	V	-49.32	0.58	-1.05	-50.95	-13	37.95
1673.20	39.89	109	150	H	-63.50	0.84	8.48	-55.86	-13	42.86
1673.20	42.60	290	150	V	-60.79	0.84	8.48	-53.15	-13	40.15
GPRS Mode, High channel										
569.23	56.85	195	150	H	-47.18	0.58	-1.05	-48.81	-13	35.81
569.23	54.23	56	150	V	-49.80	0.58	-1.05	-51.43	-13	38.43
1697.60	49.52	78	150	H	-63.83	0.84	8.52	-56.15	-13	43.15
1697.60	49.82	96	150	V	-63.53	0.84	8.52	-55.85	-13	42.85

WCDMA Band V

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
568.57	54.05	219	143	H	-49.98	0.58	-1.05	-51.61	-13	38.61
568.57	53.86	91	127	V	-50.17	0.58	-1.05	-51.80	-13	38.80
1652.80	56.54	145	104	H	-56.78	0.84	8.44	-63.18	-13	50.18
1652.80	57.16	264	201	V	-56.16	0.84	8.44	-61.96	-13	48.96
WCDMA Mode, Middle channel										
568.57	53.22	306	150	H	-50.81	0.58	-1.05	-52.44	-13	39.44
568.57	50.91	128	150	V	-53.12	0.58	-1.05	-54.75	-13	41.75
1673.20	33.56	129	100	H	-69.83	0.84	8.48	-62.19	-13	49.19
1673.20	35.13	160	100	V	-68.26	0.84	8.48	-60.62	-13	47.62
WCDMA Mode, High channel										
568.57	55.37	219	143	H	-48.66	0.58	-1.05	-50.29	-13	37.29
568.57	54.29	91	127	V	-49.74	0.58	-1.05	-51.37	-13	38.37
1693.20	56.54	145	104	H	-56.49	0.84	8.51	-62.85	-13	49.85
1693.20	57.16	264	201	V	-55.87	0.84	8.51	-60.48	-13	47.48

30 MHz ~ 20 GHz:**PCS 1900 Band**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
GPRS Mode, Low channel										
284.98	58.05	55	150	H	-47.43	0.46	-2.15	-50.04	-13	37.04
284.98	57.69	302	150	V	-47.79	0.46	-2.15	-50.40	-13	37.40
3700.40	41.29	225	200	H	-65.68	0.95	9.78	-56.85	-13	43.85
3700.40	39.78	110	200	V	-67.19	0.95	9.78	-58.36	-13	45.36
GPRS Mode, Middle channel										
284.98	57.36	295	150	H	-48.12	0.46	-2.15	-50.73	-13	37.73
284.98	54.75	325	150	V	-50.73	0.46	-2.15	-53.34	-13	40.34
3760.00	39.62	49	150	H	-67.16	0.95	9.74	-58.37	-13	45.37
3760.00	41.60	96	150	V	-65.18	0.95	9.74	-56.39	-13	43.39
GPRS Mode, High channel										
284.98	56.78	55	145	H	-48.70	0.46	-2.15	-51.31	-13	38.31
284.98	55.05	302	156	V	-50.43	0.46	-2.15	-53.04	-13	40.04
3819.60	41.94	225	189	H	-65.03	0.96	9.71	-56.28	-13	43.28
3819.60	43.04	110	200	V	-63.93	0.96	9.71	-55.18	-13	42.18

WCDMA Band II

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
WCDMA Mode, Low channel										
284.98	57.48	118	156	H	-48.00	0.46	-2.15	-50.61	-13	37.61
284.98	56.82	356	141	V	-48.66	0.46	-2.15	-51.27	-13	38.27
3704.80	47.61	245	207	H	-59.35	0.95	9.78	-56.86	-13	43.86
3704.80	48.35	216	162	V	-58.61	0.95	9.78	-57.58	-13	44.58
WCDMA Mode, Middle channel										
284.98	56.69	334	150	H	-48.79	0.46	-2.15	-51.40	-13	38.40
284.98	53.24	213	150	V	-52.24	0.46	-2.15	-54.85	-13	41.85
3760.00	40.87	197	200	H	-65.91	0.95	9.74	-57.12	-13	44.12
3760.00	42.01	330	200	V	-64.77	0.95	9.74	-55.98	-13	42.98
WCDMA Mode, High channel										
284.98	54.39	118	150	H	-51.09	0.46	-2.15	-53.70	-13	40.70
284.98	55.17	356	150	V	-50.31	0.46	-2.15	-52.92	-13	39.92
3815.20	47.61	245	150	H	-58.99	0.96	9.71	-56.41	-13	43.41
3815.20	48.35	216	150	V	-58.25	0.96	9.71	-54.85	-13	41.85

Note:

- 1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)
- 2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

Test mode: Transmitting (Pre-scan with all the bandwidth, and worse case as below)

30 MHz ~ 20 GHz:

LTE Band 2:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
485.85	53.46	260	100	H	-48.34	0.57	-1.87	-45.90	-13	32.90
485.85	52.15	44	200	V	-49.65	0.57	-1.87	-47.21	-13	34.21
3701.40	45.64	126	150	H	-61.32	0.95	9.78	-52.49	-13	39.49
3701.40	44.17	180	100	V	-62.79	0.95	9.78	-53.96	-13	40.96
16-QAM 1.4MHz Bandwidth Low Channel										
500.26	53.22	181	150	H	-49.91	0.58	-1.95	-47.38	-13	34.38
500.26	51.96	1	150	V	-51.17	0.58	-1.95	-48.64	-13	35.64
3701.40	45.02	45	200	H	-61.94	0.95	9.78	-53.11	-13	40.11
3701.40	44.08	57	200	V	-62.88	0.95	9.78	-54.05	-13	41.05

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Middle Channel										
485.85	52.68	122	100	H	-49.12	0.57	-1.87	-46.68	-13	33.68
485.85	51.88	283	200	V	-49.92	0.57	-1.87	-47.48	-13	34.48
3760.00	44.78	352	150	H	-62.00	0.95	9.74	-53.21	-13	40.21
3760.00	45.32	65	100	V	-61.46	0.95	9.74	-52.67	-13	39.67
16-QAM 1.4MHz Bandwidth Middle Channel										
500.26	52.36	292	150	H	-50.77	0.58	-1.95	-48.24	-13	35.24
500.26	51.77	125	150	V	-51.36	0.58	-1.95	-48.83	-13	35.83
3760.00	44.24	184	200	H	-62.54	0.95	9.74	-53.75	-13	40.75
3760.00	45.86	107	200	V	-60.92	0.95	9.74	-52.13	-13	39.13

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth High Channel										
485.85	52.68	42	100	H	-49.12	0.57	-1.87	-46.68	-13	33.68
485.85	51.88	271	200	V	-49.92	0.57	-1.87	-47.48	-13	34.48
3818.60	45.21	24	150	H	-61.39	0.96	9.71	-52.64	-13	39.64
3818.60	42.22	278	100	V	-64.38	0.96	9.71	-55.63	-13	42.63
16-QAM 1.4MHz Bandwidth High Channel										
500.26	52.36	121	150	H	-50.77	0.58	-1.95	-48.24	-13	35.24
500.26	51.77	116	150	V	-51.36	0.58	-1.95	-48.83	-13	35.83
3818.60	41.83	74	200	H	-64.77	0.96	9.71	-56.02	-13	43.02
3818.60	43.10	81	200	V	-63.50	0.96	9.71	-54.75	-13	41.75

30 MHz ~ 20 GHz:**LTE Band 4:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
495.36	52.96	159	100	H	-50.17	0.58	-1.92	-47.67	-13	34.67
495.36	53.22	69	200	V	-49.91	0.58	-1.92	-47.41	-13	34.41
3421.40	42.79	109	150	H	-65.15	0.93	9.82	-56.26	-13	43.26
3421.40	43.09	12	100	V	-64.85	0.93	9.82	-55.96	-13	42.96
16-QAM 1.4MHz Bandwidth Low Channel										
498.50	52.66	294	150	H	-50.32	0.58	-1.94	-47.80	-13	34.80
498.50	51.96	204	150	V	-51.02	0.58	-1.94	-48.50	-13	35.50
3421.40	43.09	132	200	H	-64.85	0.93	9.82	-55.96	-13	42.96
3421.40	42.90	44	200	V	-65.04	0.93	9.82	-56.15	-13	43.15

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Middle Channel										
495.36	52.36	229	100	H	-50.77	0.58	-1.92	-48.27	-13	35.27
495.36	51.74	14	200	V	-51.39	0.58	-1.92	-48.89	-13	35.89
3465.00	41.59	15	150	H	-66.16	0.93	9.87	-57.22	-13	44.22
3465.00	42.33	78	100	V	-65.42	0.93	9.87	-56.48	-13	43.48
16-QAM 1.4MHz Bandwidth Middle Channel										
498.50	52.47	14	150	H	-50.51	0.58	-1.94	-47.99	-13	34.99
498.50	51.66	160	150	V	-51.32	0.58	-1.94	-48.80	-13	35.80
3465.00	41.78	177	200	H	-65.97	0.93	9.87	-57.03	-13	44.03
3465.00	42.57	84	200	V	-65.18	0.93	9.87	-56.24	-13	43.24

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth High Channel										
495.36	52.36	343	100	H	-50.77	0.58	-1.92	-48.27	-13	35.27
495.36	51.74	137	200	V	-51.39	0.58	-1.92	-48.89	-13	35.89
3508.60	43.75	248	150	H	-63.82	0.93	9.90	-54.85	-13	41.85
3508.60	42.58	310	100	V	-64.99	0.93	9.90	-56.02	-13	43.02
16-QAM 1.4MHz Bandwidth High Channel										
498.50	52.47	181	150	H	-50.51	0.58	-1.94	-47.99	-13	34.99
498.50	51.66	250	150	V	-51.32	0.58	-1.94	-48.80	-13	35.80
3508.60	43.60	314	200	H	-63.97	0.93	9.90	-55.00	-13	42.00
3508.60	41.24	48	200	V	-66.33	0.93	9.90	-57.36	-13	44.36

30 MHz ~ 10 GHz:**LTE Band 5:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Low Channel										
495.50	53.02	218	100	H	-49.68	0.58	-1.92	-47.18	-13	34.18
495.50	52.69	315	200	V	-50.01	0.58	-1.92	-47.51	-13	34.51
1649.40	49.89	280	150	H	-63.45	0.84	8.44	-55.85	-13	42.85
1649.40	46.27	293	100	V	-67.07	0.84	8.44	-59.47	-13	46.47
16-QAM 1.4MHz Bandwidth Low Channel										
495.50	52.00	247	150	H	-50.70	0.58	-1.92	-48.20	-13	35.20
495.50	51.22	317	150	V	-51.48	0.58	-1.92	-48.98	-13	35.98
1649.40	48.83	162	200	H	-64.51	0.84	8.44	-56.91	-13	43.91
1649.40	50.55	274	200	V	-62.79	0.84	8.44	-55.19	-13	42.19

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth Middle Channel										
495.50	52.25	116	100	H	-50.45	0.58	-1.92	-47.95	-13	34.95
495.50	51.03	24	200	V	-51.67	0.58	-1.92	-49.17	-13	36.17
1673.00	39.55	305	150	H	-63.84	0.84	8.48	-56.20	-13	43.20
1673.00	40.25	149	100	V	-63.14	0.84	8.48	-55.50	-13	42.50
16-QAM 1.4MHz Bandwidth Middle Channel										
495.50	51.89	176	150	H	-50.81	0.58	-1.92	-48.31	-13	35.31
495.50	51.24	106	150	V	-51.46	0.58	-1.92	-48.96	-13	35.96
1673.00	39.38	192	200	H	-64.01	0.84	8.48	-56.37	-13	43.37
1673.00	40.53	306	200	V	-62.86	0.84	8.48	-55.22	-13	42.22

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 1.4MHz Bandwidth High Channel										
495.50	53.12	331	100	H	-49.58	0.58	-1.92	-47.08	-13	34.08
495.50	52.03	54	200	V	-50.67	0.58	-1.92	-48.17	-13	35.17
1696.60	50.49	160	150	H	-62.52	0.84	8.51	-54.85	-13	41.85
1696.60	49.95	248	100	V	-63.06	0.84	8.51	-55.39	-13	42.39
16-QAM 1.4MHz Bandwidth High Channel										
495.50	50.89	297	150	H	-51.81	0.58	-1.92	-49.31	-13	36.31
495.50	52.36	202	150	V	-50.34	0.58	-1.92	-47.84	-13	34.84
1696.60	47.90	120	200	H	-65.11	0.84	8.51	-57.44	-13	44.44
1696.60	46.38	357	200	V	-66.63	0.84	8.51	-58.96	-13	45.96

30MHz~26GHz:**LTE Band 7:**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
495.85	51.96	178	200	H	-50.77	0.58	-1.93	-48.26	-25	23.26
495.85	50.96	320	200	V	-51.77	0.58	-1.93	-49.26	-25	24.26
5005.00	40.81	18	100	H	-65.18	1.08	10.30	-55.96	-25	30.96
5005.00	40.68	334	150	V	-65.31	1.08	10.30	-56.09	-25	31.09
16-QAM 5MHz Bandwidth Low Channel										
500.03	50.96	175	100	H	-52.16	0.58	-1.95	-49.63	-25	24.63
500.03	52.46	323	150	V	-50.66	0.58	-1.95	-48.13	-25	23.13
5005.00	41.08	302	150	H	-64.91	1.08	10.30	-55.69	-25	30.69
5005.00	38.41	38	200	V	-67.58	1.08	10.30	-58.36	-25	33.36

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
495.85	52.35	171	200	H	-50.38	0.58	-1.93	-47.87	-25	22.87
495.85	51.57	54	200	V	-51.16	0.58	-1.93	-48.65	-25	23.65
5070.00	30.20	338	100	H	-65.08	1.09	10.30	-55.87	-25	30.87
5070.00	31.96	115	150	V	-63.32	1.09	10.30	-54.11	-25	29.11
16-QAM 5MHz Bandwidth Middle Channel										
500.03	52.19	268	100	H	-50.93	0.58	-1.95	-48.40	-25	23.40
500.03	51.33	239	150	V	-51.79	0.58	-1.95	-49.26	-25	24.26
5070.00	30.40	278	150	H	-64.88	1.09	10.30	-55.67	-25	30.67
5070.00	31.98	21	200	V	-63.30	1.09	10.30	-54.09	-25	29.09

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
495.85	53.02	282	200	H	-49.71	0.58	-1.93	-47.20	-25	22.20
495.85	51.63	38	200	V	-51.10	0.58	-1.93	-48.59	-25	23.59
5135.00	39.05	350	100	H	-66.22	1.10	10.30	-57.02	-25	32.02
5135.00	40.91	86	150	V	-64.36	1.10	10.30	-55.16	-25	30.16
16-QAM 5MHz Bandwidth High Channel										
500.03	52.66	56	100	H	-50.46	0.58	-1.95	-47.93	-25	22.93
500.03	51.06	203	150	V	-52.06	0.58	-1.95	-49.53	-25	24.53
5135.00	42.22	273	150	H	-63.05	1.10	10.30	-53.85	-25	28.85
5135.00	41.11	330	200	V	-64.16	1.10	10.30	-54.96	-25	29.96

LTE Band 38:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
498.50	52.16	112	100	H	-50.82	0.58	-1.94	-48.30	-25	23.30
498.50	51.69	251	200	V	-51.29	0.58	-1.94	-48.77	-25	23.77
5145.00	39.43	101	100	H	-65.78	1.10	10.30	-56.58	-25	31.58
5145.00	41.79	330	150	V	-63.42	1.10	10.30	-54.22	-25	29.22
16-QAM 5MHz Bandwidth Low Channel										
498.50	50.36	150	100	H	-52.62	0.58	-1.94	-50.10	-25	25.10
498.50	51.46	350	150	V	-51.52	0.58	-1.94	-49.00	-25	24.00
5145.00	40.68	24	100	H	-64.53	1.10	10.30	-55.33	-25	30.33
5145.00	41.16	332	200	V	-64.05	1.10	10.30	-54.85	-25	29.85

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
498.50	51.03	344	100	H	-51.95	0.58	-1.94	-49.43	-25	24.43
498.50	50.85	57	200	V	-52.13	0.58	-1.94	-49.61	-25	24.61
5190.00	30.33	96	100	H	-64.56	1.10	10.30	-55.36	-25	30.36
5190.00	31.28	143	150	V	-63.61	1.10	10.30	-54.41	-25	29.41
16-QAM 5MHz Bandwidth Middle Channel										
498.50	51.12	74	100	H	-51.86	0.58	-1.94	-49.34	-25	24.34
498.50	50.62	139	150	V	-52.36	0.58	-1.94	-49.84	-25	24.84
5190.00	29.80	104	100	H	-65.09	1.10	10.30	-55.89	-25	30.89
5190.00	31.46	94	200	V	-63.43	1.10	10.30	-54.23	-25	29.23

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
498.50	52.06	178	100	H	-50.92	0.58	-1.94	-48.40	-25	23.40
498.50	51.96	212	200	V	-51.02	0.58	-1.94	-48.50	-25	23.50
5235.00	40.93	33	100	H	-63.78	1.11	10.30	-54.59	-25	29.59
5235.00	40.50	207	150	V	-64.21	1.11	10.30	-55.02	-25	30.02
16-QAM 5MHz Bandwidth High Channel										
498.50	51.88	245	100	H	-51.10	0.58	-1.94	-48.58	-25	23.58
498.50	50.05	31	150	V	-52.93	0.58	-1.94	-50.41	-25	25.41
5235.00	40.67	288	100	H	-64.04	1.11	10.30	-54.85	-25	29.85
5235.00	41.54	56	200	V	-63.17	1.11	10.30	-53.98	-25	28.98

LTE Band 40:**2305-2315MHz**

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
500.33	51.96	179	150	H	-51.17	0.58	-1.95	-48.64	-40	8.64
500.33	50.69	104	200	V	-52.44	0.58	-1.95	-49.91	-40	9.91
4615.00	43.03	48	100	H	-63.91	1.03	9.98	-54.96	-40	14.96
4615.00	44.03	101	100	V	-62.91	1.03	9.98	-53.96	-40	13.96
16-QAM 5MHz Bandwidth Low Channel										
500.25	52.02	348	200	H	-51.11	0.58	-1.95	-48.58	-40	8.58
500.25	51.96	19	150	V	-51.17	0.58	-1.95	-48.64	-40	8.64
4615.00	43.63	186	150	H	-63.31	1.03	9.98	-54.36	-40	14.36
4615.00	42.73	295	100	V	-64.21	1.03	9.98	-55.26	-40	15.26

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
500.33	51.69	142	150	H	-51.44	0.58	-1.95	-48.91	-40	8.91
500.33	51.02	20	200	V	-52.11	0.58	-1.95	-49.58	-40	9.58
4620.00	42.85	148	100	H	-63.87	1.04	10.06	-54.85	-40	14.85
4620.00	44.69	51	100	V	-62.03	1.04	10.06	-53.01	-40	13.01
16-QAM 5MHz Bandwidth Middle Channel										
457.52	51.55	240	200	H	-51.58	0.58	-1.95	-49.05	-40	9.05
457.52	51.06	161	150	V	-52.07	0.58	-1.95	-49.54	-40	9.54
4620.00	42.67	146	150	H	-64.05	1.04	10.06	-55.03	-40	15.03
4620.00	43.08	344	100	V	-63.64	1.04	10.06	-54.62	-40	14.62

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
500.33	51.85	166	150	H	-51.28	0.58	-1.95	-48.75	-40	8.75
500.33	50.88	146	200	V	-52.25	0.58	-1.95	-49.72	-40	9.72
4625.00	42.57	78	100	H	-63.93	1.06	10.14	-54.85	-40	14.85
4625.00	43.76	328	100	V	-62.74	1.06	10.14	-53.66	-40	13.66
16-QAM 5MHz Bandwidth High Channel										
500.25	52.78	3	200	H	-50.35	0.58	-1.95	-47.82	-40	7.82
500.25	51.08	46	150	V	-52.05	0.58	-1.95	-49.52	-40	9.52
4625.00	42.73	96	150	H	-63.77	1.06	10.14	-54.69	-40	14.69
4625.00	42.40	334	100	V	-64.10	1.06	10.14	-55.02	-40	15.02

2350-2360MHz

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
500.33	53.71	111	150	H	-49.42	0.58	-1.95	-46.89	-40	6.89
500.33	51.64	332	200	V	-51.49	0.58	-1.95	-48.96	-40	8.96
4705.00	41.21	170	100	H	-65.73	1.03	9.98	-56.78	-40	16.78
4705.00	44.58	326	100	V	-62.36	1.03	9.98	-53.41	-40	13.41
16-QAM 5MHz Bandwidth Low Channel										
500.25	54.14	56	200	H	-48.99	0.58	-1.95	-46.46	-40	6.46
500.25	53.58	86	150	V	-49.55	0.58	-1.95	-47.02	-40	7.02
4705.00	42.17	108	150	H	-64.77	1.03	9.98	-55.82	-40	15.82
4705.00	43.08	325	100	V	-63.86	1.03	9.98	-54.91	-40	14.91

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
500.33	52.47	71	150	H	-50.66	0.58	-1.95	-48.13	-40	8.13
500.33	50.69	10	200	V	-52.44	0.58	-1.95	-49.91	-40	9.91
4710.00	42.38	56	100	H	-64.34	1.04	10.06	-55.32	-40	15.32
4710.00	43.42	64	100	V	-63.30	1.04	10.06	-54.28	-40	14.28
16-QAM 5MHz Bandwidth Middle Channel										
457.52	52.39	345	200	H	-50.74	0.58	-1.95	-48.21	-40	8.21
457.52	50.88	90	150	V	-52.25	0.58	-1.95	-49.72	-40	9.72
4710.00	43.38	119	150	H	-63.34	1.04	10.06	-54.32	-40	14.32
4710.00	44.62	291	100	V	-62.10	1.04	10.06	-53.08	-40	13.08

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
500.33	52.03	66	150	H	-51.10	0.58	-1.95	-48.57	-40	8.57
500.33	51.87	122	200	V	-51.26	0.58	-1.95	-48.73	-40	8.73
4715.00	41.19	254	100	H	-65.31	1.06	10.14	-56.23	-40	16.23
4715.00	45.31	130	100	V	-61.19	1.06	10.14	-52.11	-40	12.11
16-QAM 5MHz Bandwidth High Channel										
500.25	53.29	22	200	H	-49.84	0.58	-1.95	-47.31	-40	7.31
500.25	52.61	67	150	V	-50.52	0.58	-1.95	-47.99	-40	7.99
4715.00	41.94	304	150	H	-64.56	1.06	10.14	-55.48	-40	15.48
4715.00	42.53	273	100	V	-63.97	1.06	10.14	-54.89	-40	14.89

LTE Band 41:

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Low Channel										
498.60	51.96	279	150	H	-51.02	0.58	-1.94	-48.50	-25	23.50
498.60	51.78	151	200	V	-51.20	0.58	-1.94	-48.68	-25	23.68
5115.00	42.21	167	100	H	-63.17	1.09	10.30	-53.96	-25	28.96
5115.00	43.59	338	100	V	-61.79	1.09	10.30	-52.58	-25	27.58
16-QAM 5MHz Bandwidth Low Channel										
498.55	52.03	19	200	H	-50.95	0.58	-1.94	-48.43	-25	23.43
498.55	51.36	65	150	V	-51.62	0.58	-1.94	-49.10	-25	24.10
5115.00	41.48	149	150	H	-63.90	1.09	10.30	-54.69	-25	29.69
5115.00	44.48	155	100	V	-60.90	1.09	10.30	-51.69	-25	26.69

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth Middle Channel										
498.60	51.38	241	150	H	-51.60	0.58	-1.94	-49.08	-25	24.08
498.60	50.95	264	200	V	-52.03	0.58	-1.94	-49.51	-25	24.51
5210.00	32.57	184	100	H	-62.26	1.11	10.30	-53.07	-25	28.07
5210.00	34.10	74	100	V	-60.73	1.11	10.30	-51.54	-25	26.54
16-QAM 5MHz Bandwidth Middle Channel										
498.55	51.09	31	200	H	-51.89	0.58	-1.94	-49.37	-25	24.37
498.55	50.11	224	150	V	-52.87	0.58	-1.94	-50.35	-25	25.35
5210.00	31.64	142	150	H	-63.19	1.11	10.30	-54.00	-25	29.00
5210.00	33.48	317	100	V	-61.35	1.11	10.30	-52.16	-25	27.16

Frequency (MHz)	Receiver Reading (dBμV)	Turntable Angle Degree	Rx Antenna		Substituted			Absolute Level (dBm)	Limit (dBm)	Margin (dB)
			Height (cm)	Polar (H/V)	Submitted Level (dBm)	Cable Loss (dB)	Antenna Gain (dBd/dBi)			
QPSK 5MHz Bandwidth High Channel										
498.60	51.02	5	150	H	-51.96	0.58	-1.94	-49.44	-25	24.44
498.60	52.08	109	200	V	-50.90	0.58	-1.94	-48.38	-25	23.38
5305.00	41.06	273	100	H	-63.26	1.12	10.30	-54.08	-25	29.08
5305.00	41.28	180	100	V	-63.04	1.12	10.30	-53.86	-25	28.86
16-QAM 5MHz Bandwidth High Channel										
498.55	52.49	58	200	H	-50.49	0.58	-1.94	-47.97	-25	22.97
498.55	51.75	97	150	V	-51.23	0.58	-1.94	-48.71	-25	23.71
5305.00	42.08	306	150	H	-62.24	1.12	10.30	-53.06	-25	28.06
5305.00	40.29	5	100	V	-64.03	1.12	10.30	-54.85	-25	29.85

Note:

1) Absolute Level (dBm) = Submitted Level (dBm) - Cable loss (dB) + Antenna Gain (dBd/dBi)

2) Margin (dB) = Limit (dBm) - Absolute Level (dBm)

FCC § 22.917 (a); § 24.238 (a); §27.53 (m) - BAND EDGES**Applicable Standards**

According to § 22.917(a), the power of any emissions 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.

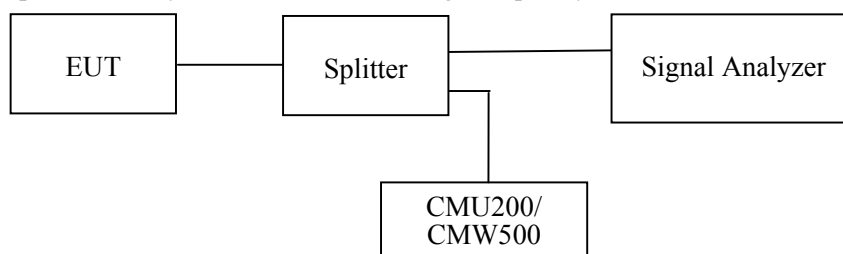
According to §24.238(a), the power of any emissions outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB.

According to FCC §27.53 (m), for mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz. Mobile Satellite Service licensees operating on frequencies below 2495 MHz may also submit a documented interference complaint against BRS licensees operating on channel BRS Channel 1 on the same terms and conditions as adjacent channel BRS or EBS licensees.

Test Procedure

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation.

The center of the spectrum analyzer was set to block edge frequency.

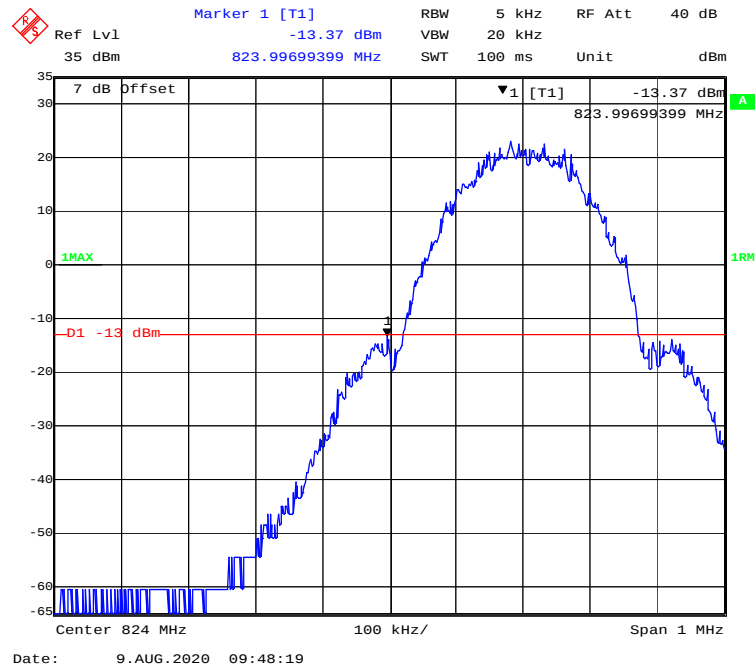
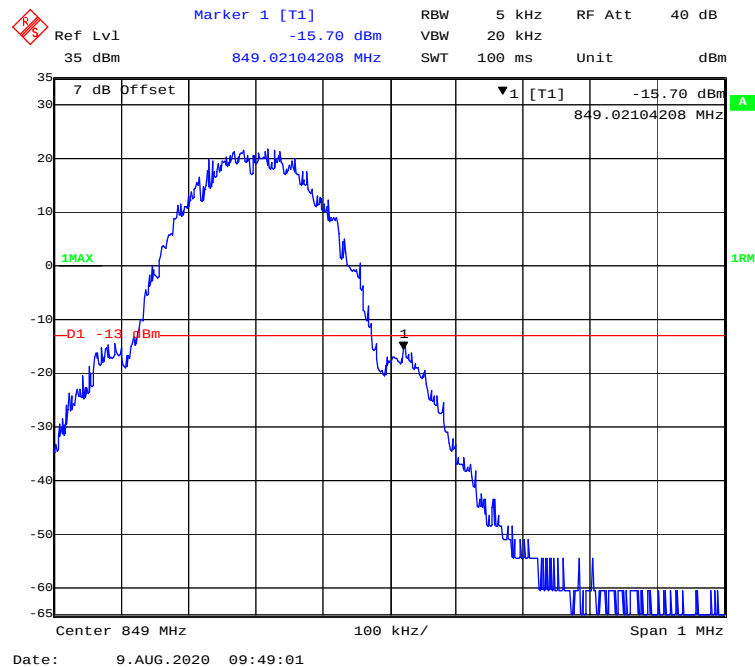
**Test Data****Environmental Conditions**

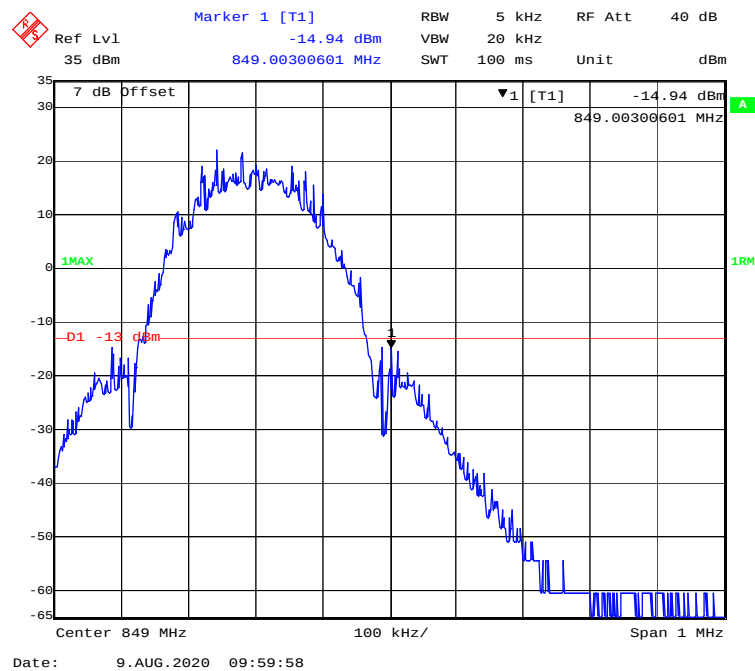
Temperature:	24.9~25.3 °C
Relative Humidity:	49~50 %
ATM Pressure:	100.7~102.9 kPa

The testing was performed by CK Huang from 2020-08-08 to 2020-11-05.

EUT operation mode: Transmitting

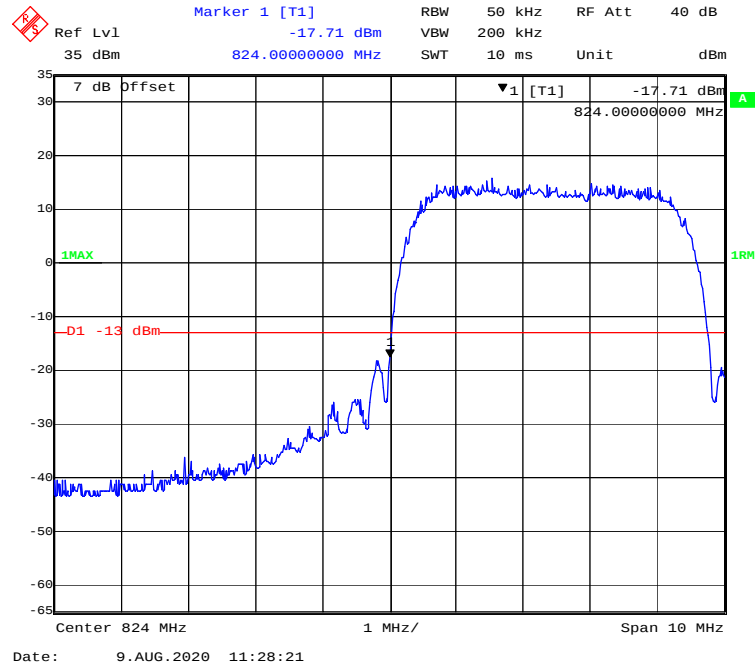
Test Result: Compliant.

GSM 850 Band:**GPRS Mode, Left Band Edge****GPRS Mode, Right Band Edge**

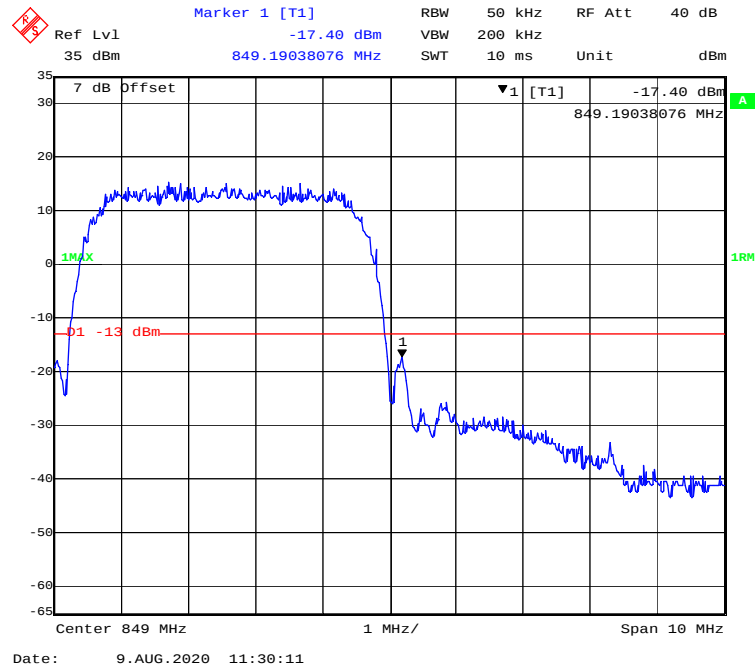
EGPRS Mode, Left Band Edge**EGPRS Mode, Right Band Edge**

WCDMA Band V

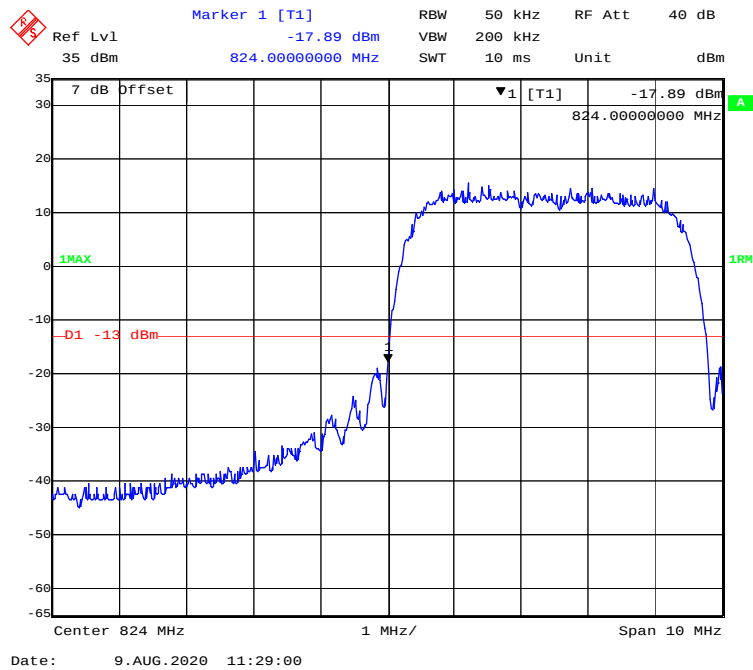
WCDMA (Rel 99) Mode, Left Band Edge



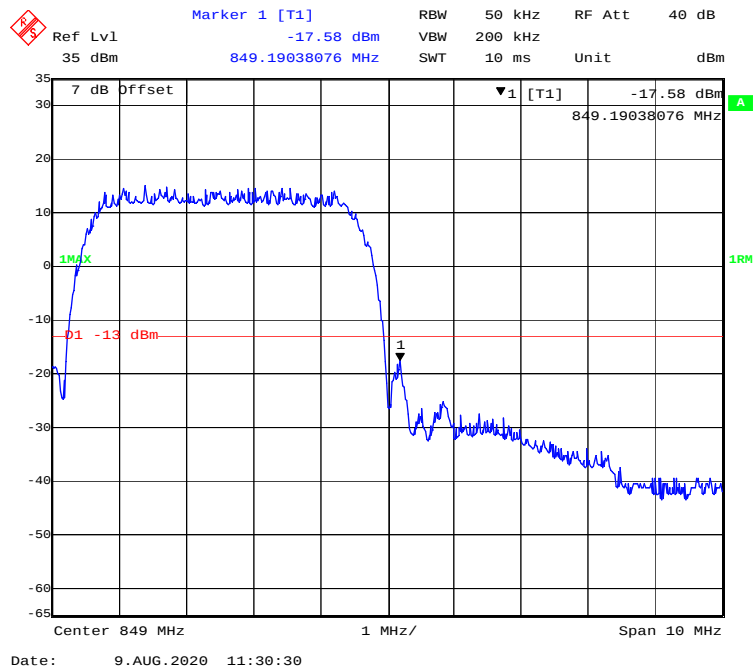
WCDMA (Rel 99) Mode, Right Band Edge



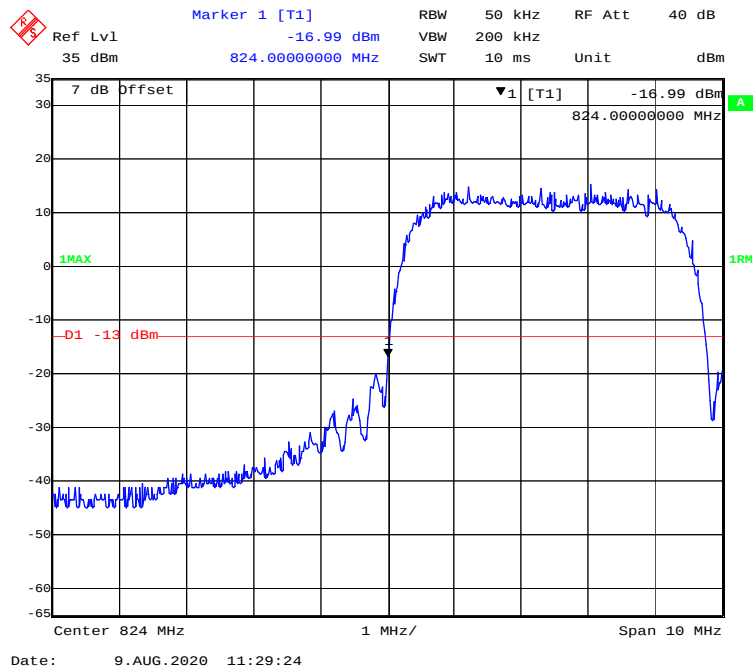
WCDMA (HSDPA) Mode, Left Band Edge



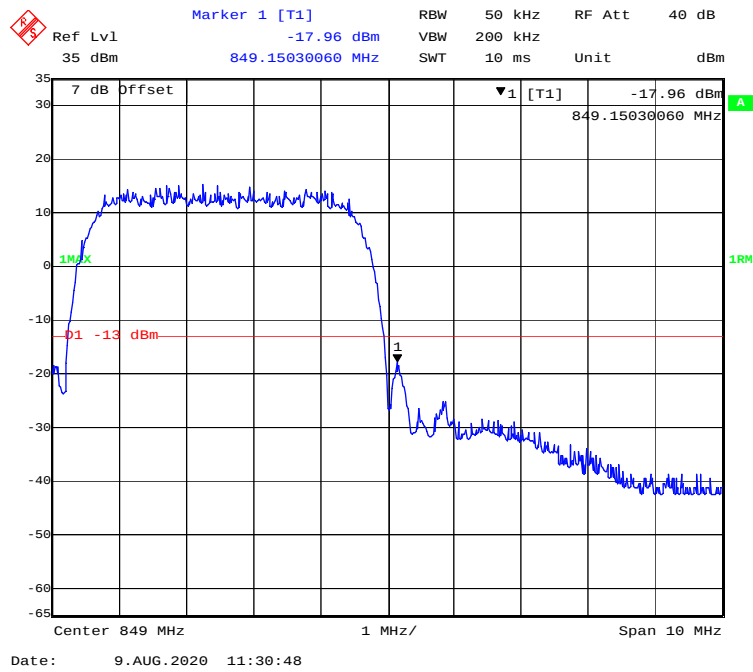
WCDMA (HSDPA) Mode, Right Band Edge



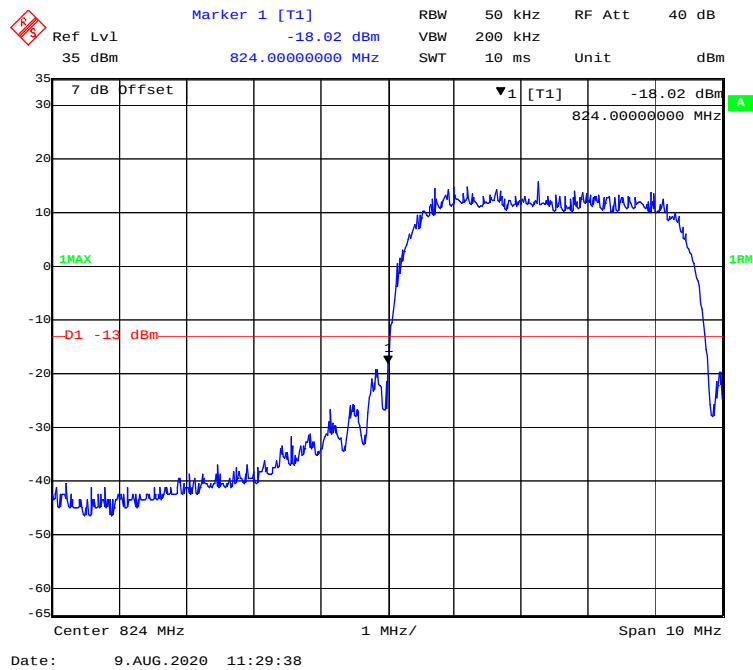
WCDMA (HSUPA) Mode, Left Band Edge



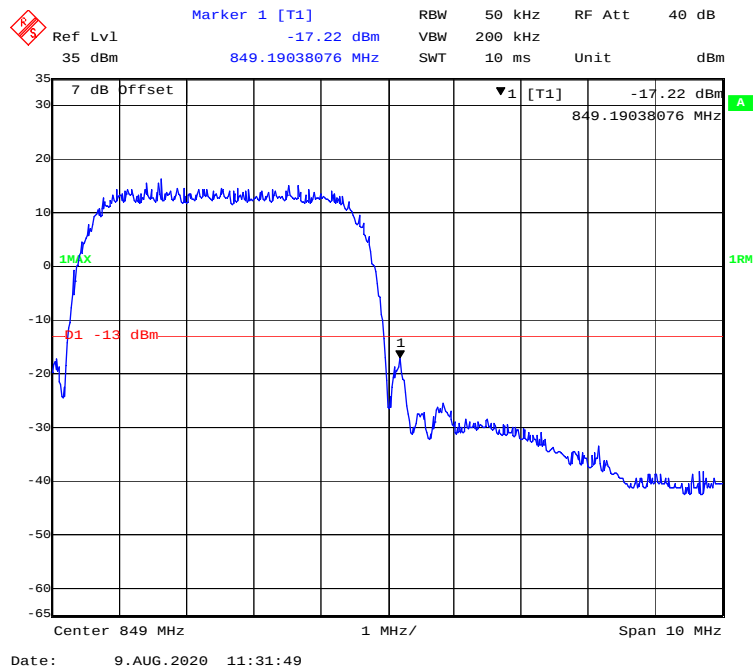
WCDMA (HSUPA) Mode, Right Band Edge



WCDMA (HSPA+) Mode, Left Band Edge

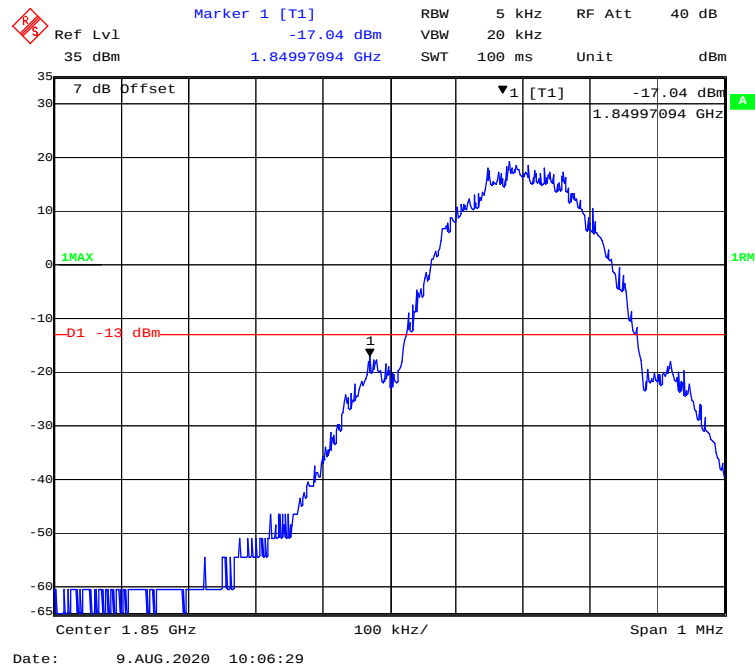


WCDMA (HSPA+) Mode, Right Band Edge



PCS 1900 Band:

GPRS Mode, Left Band Edge



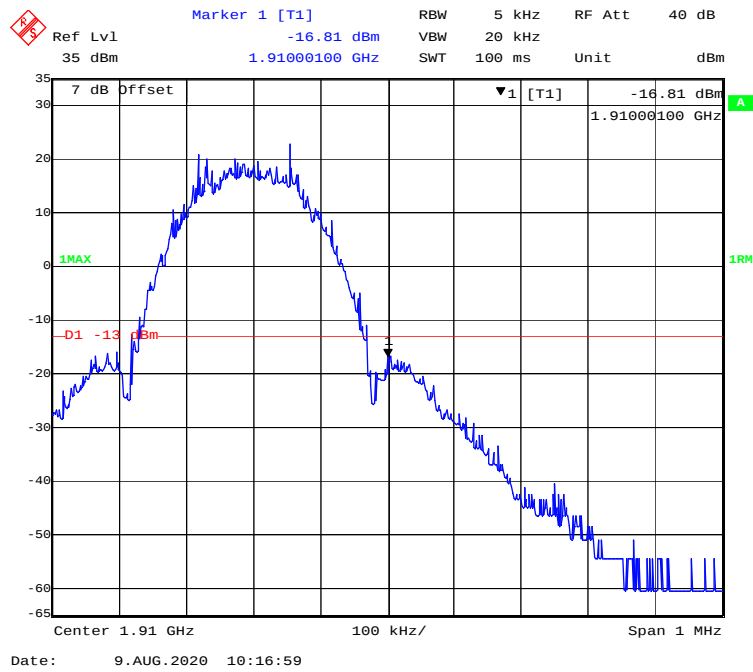
GPRS Mode, Right Band Edge

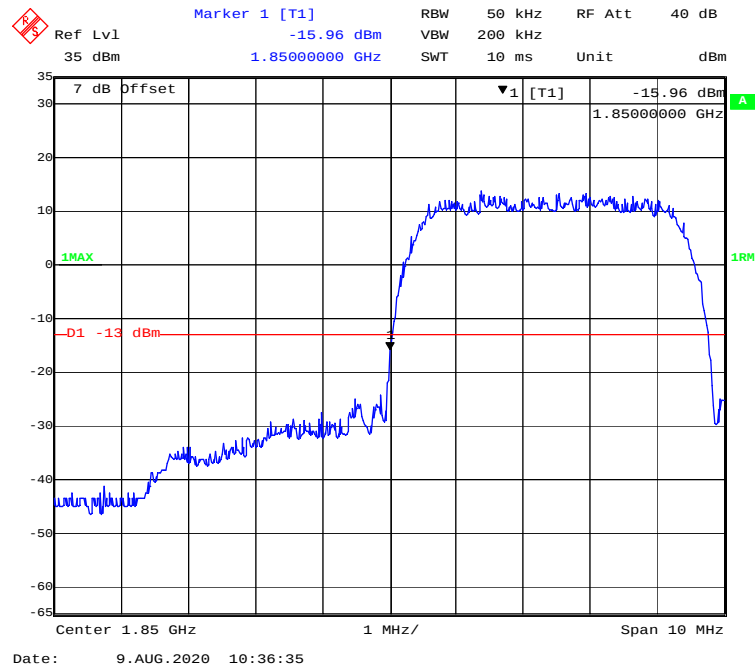
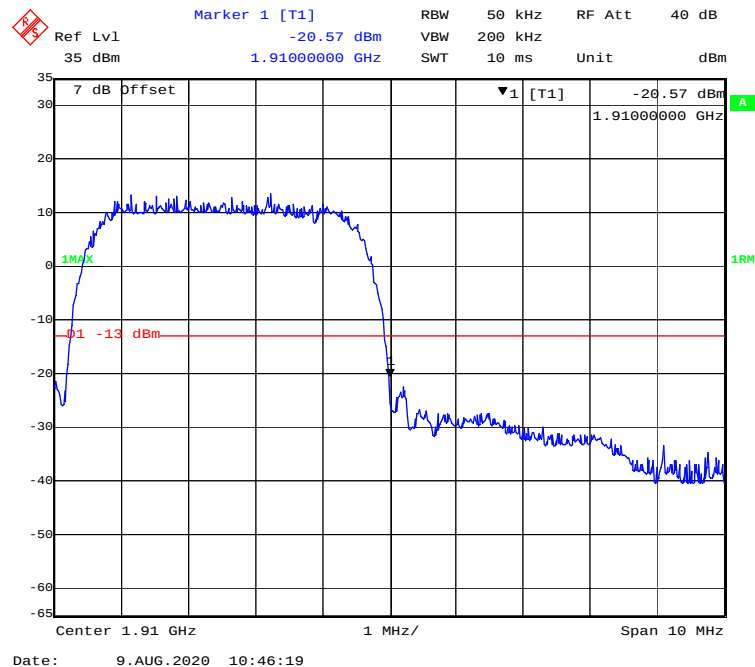


EGPRS Mode, Left Band Edge

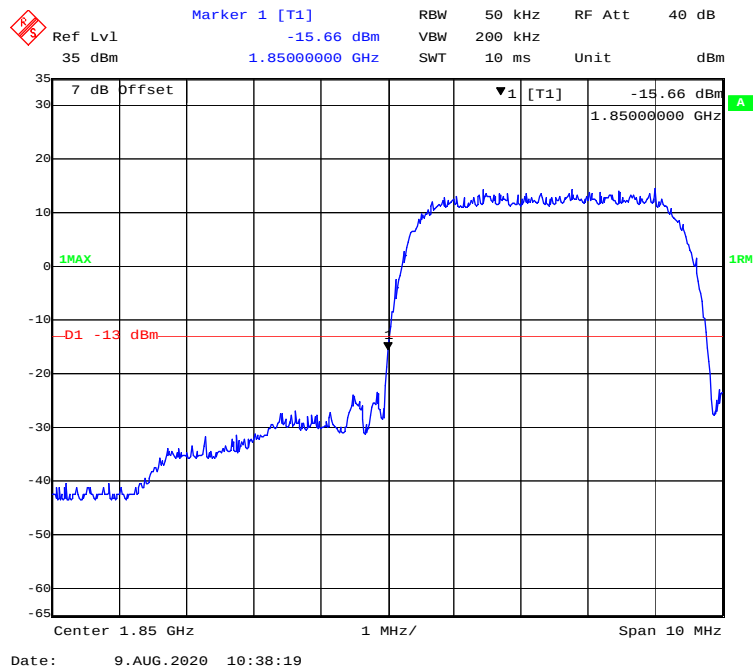


EGPRS Mode, Right Band Edge

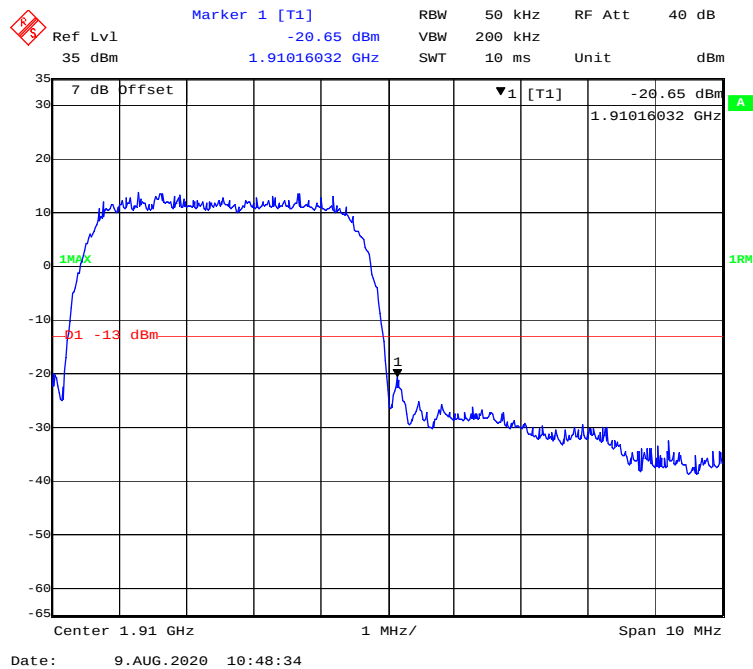


WCDMA Band II**WCDMA (Rel 99) Mode, Left Band Edge****WCDMA (Rel 99) Mode, Right Band Edge**

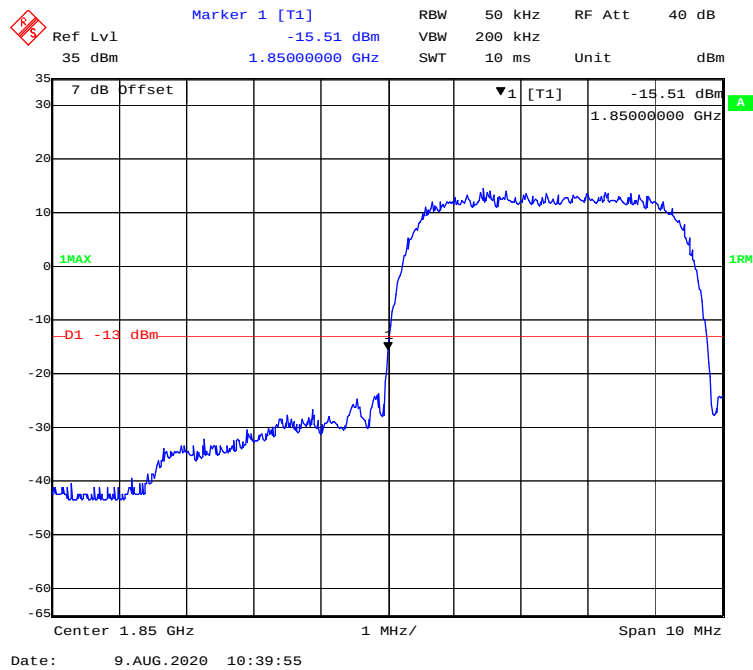
WCDMA (HSDPA) Mode, Left Band Edge



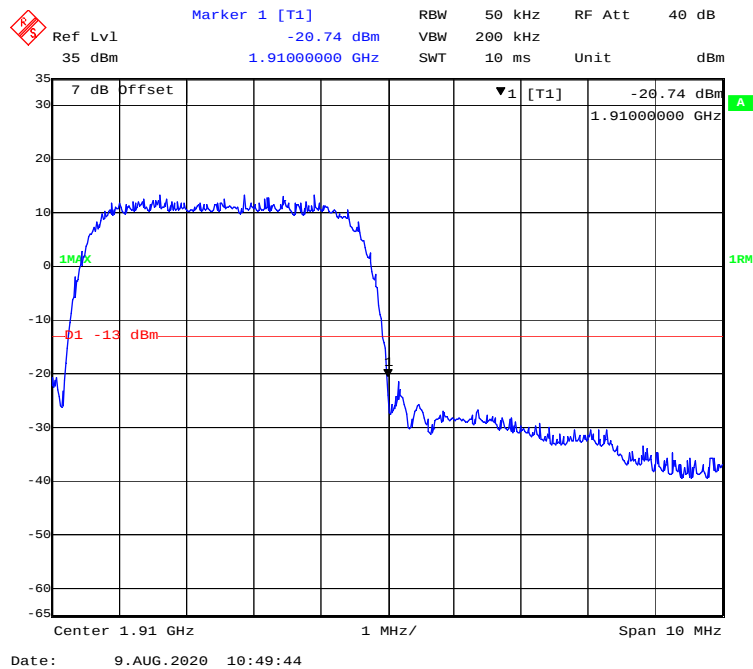
WCDMA (HSDPA) Mode, Right Band Edge



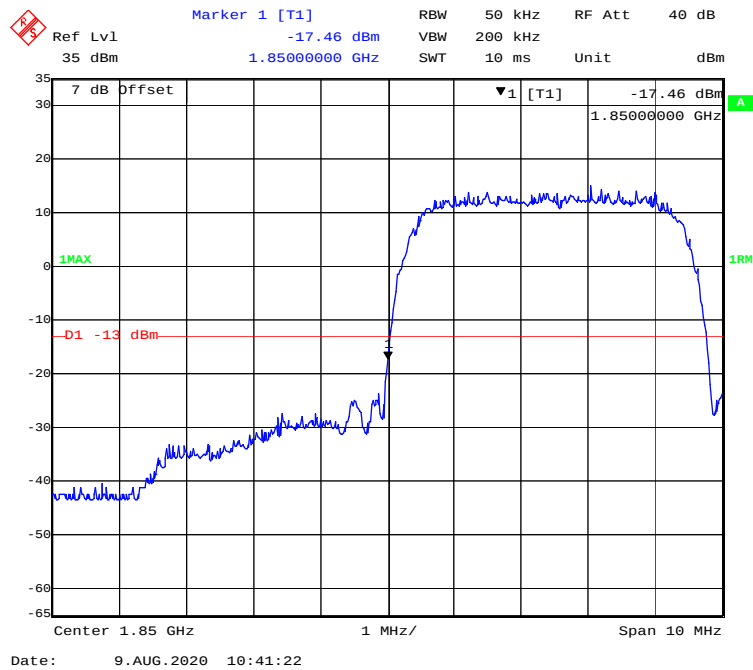
WCDMA (HSUPA) Mode, Left Band Edge



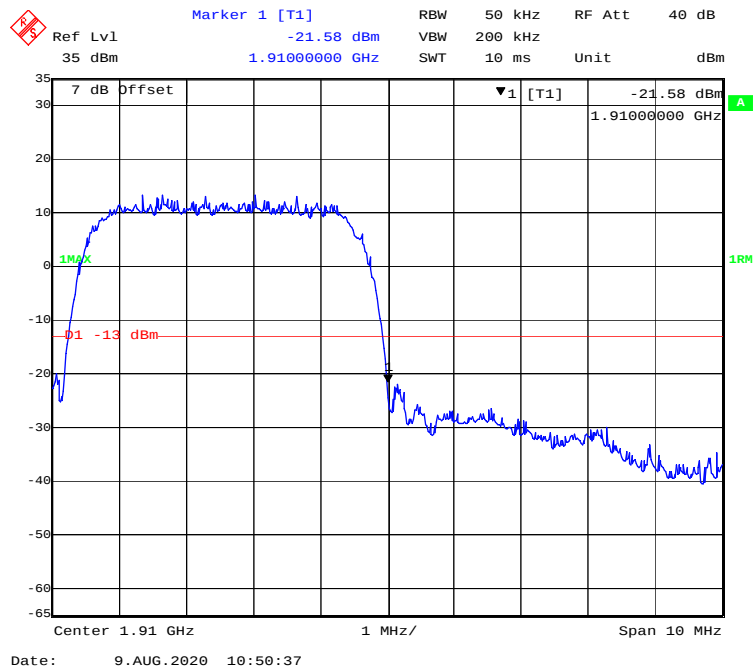
WCDMA (HSUPA) Mode, Right Band Edge

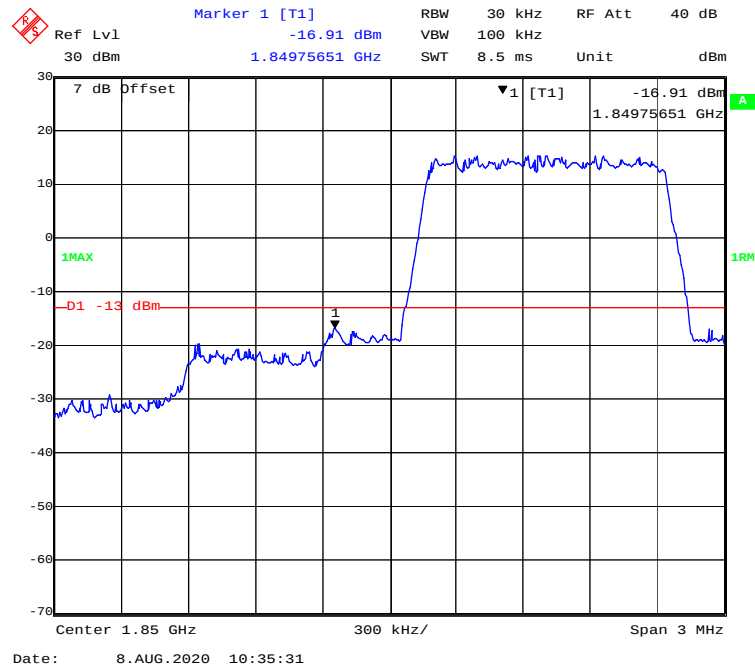
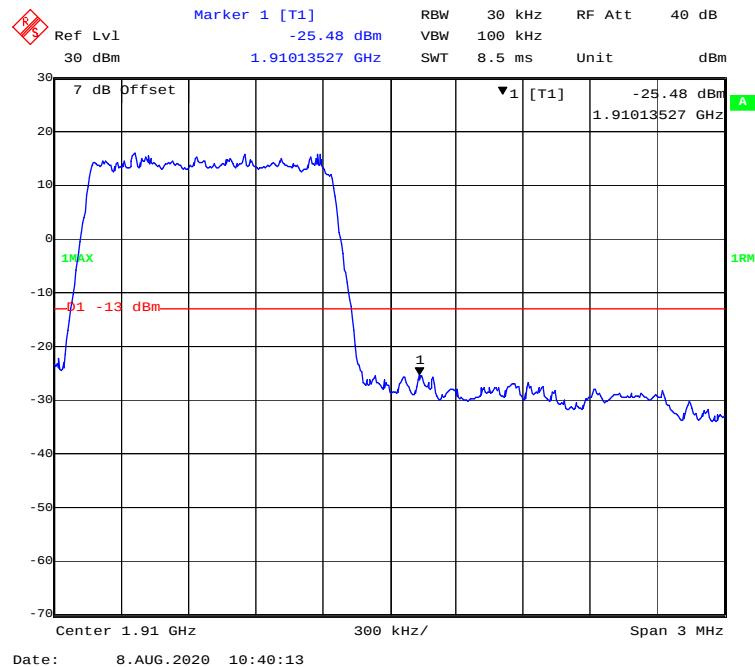


WCDMA (HSPA+) Mode, Left Band Edge

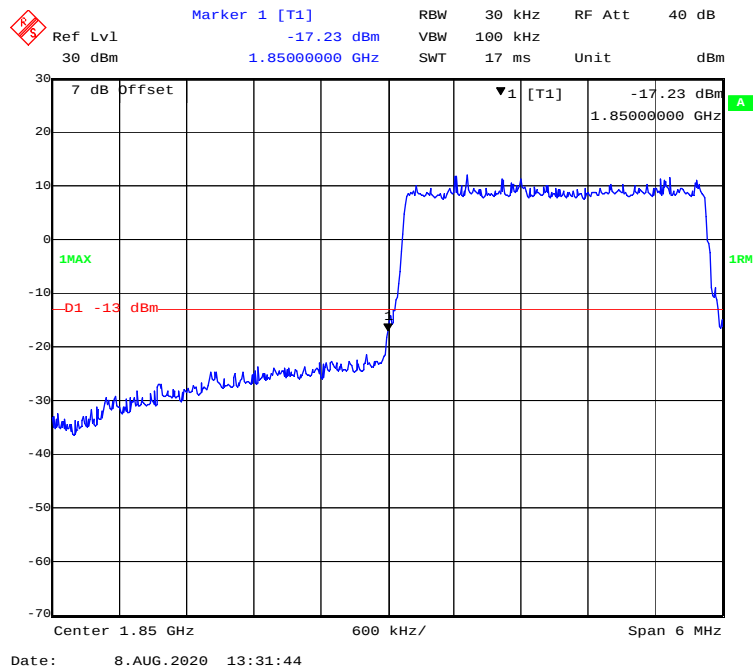


WCDMA (HSPA+) Mode, Right Band Edge

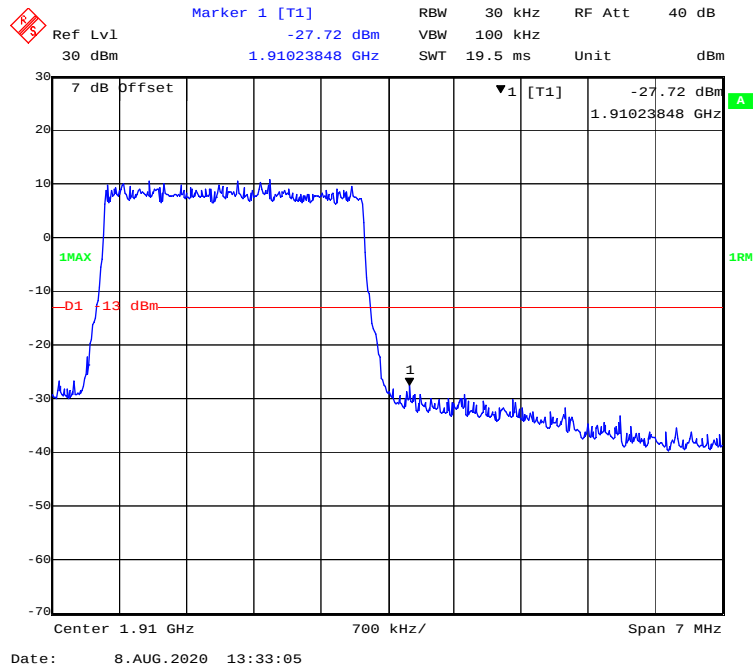


LTE Band 2:**QPSK (1.4 MHz, FULL RB) - Left Band Edge****QPSK (1.4 MHz, FULL RB) - Right Band Edge**

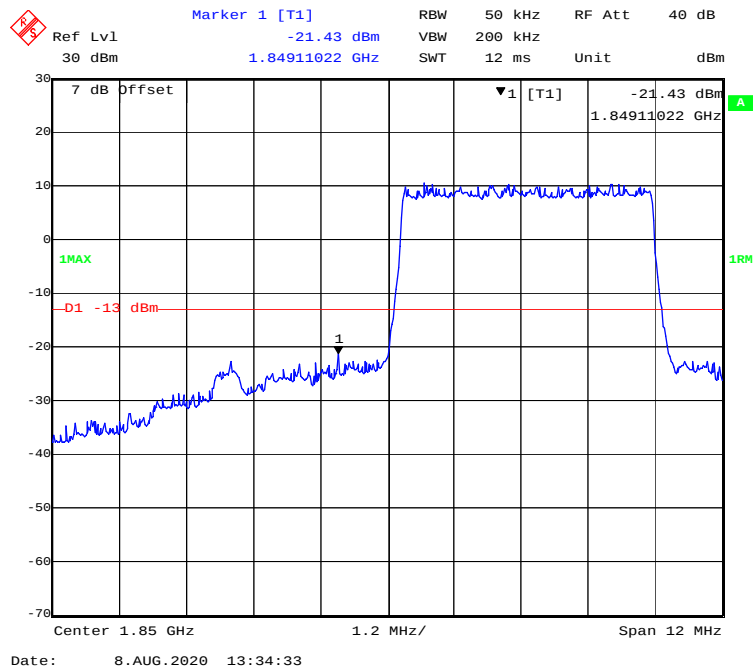
QPSK (3 MHz, FULL RB) - Left Band Edge



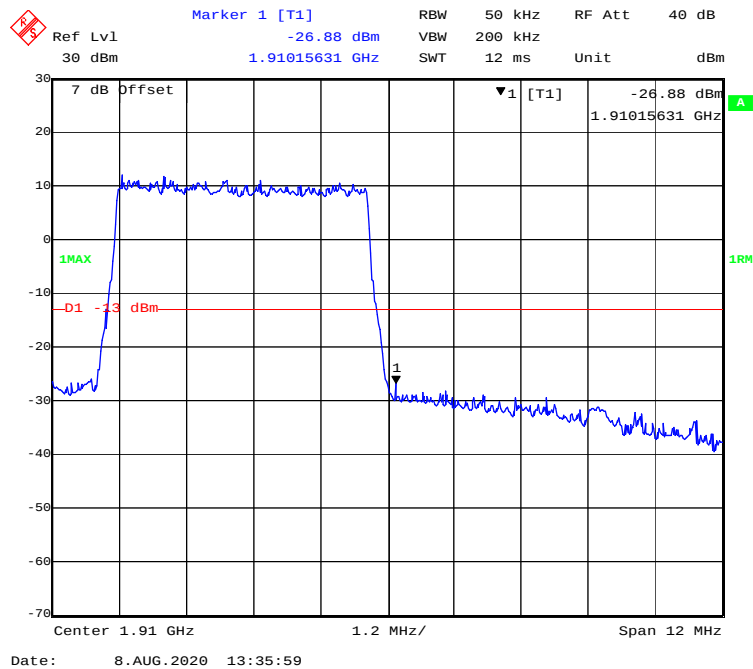
QPSK (3 MHz, FULL RB) - Right Band Edge



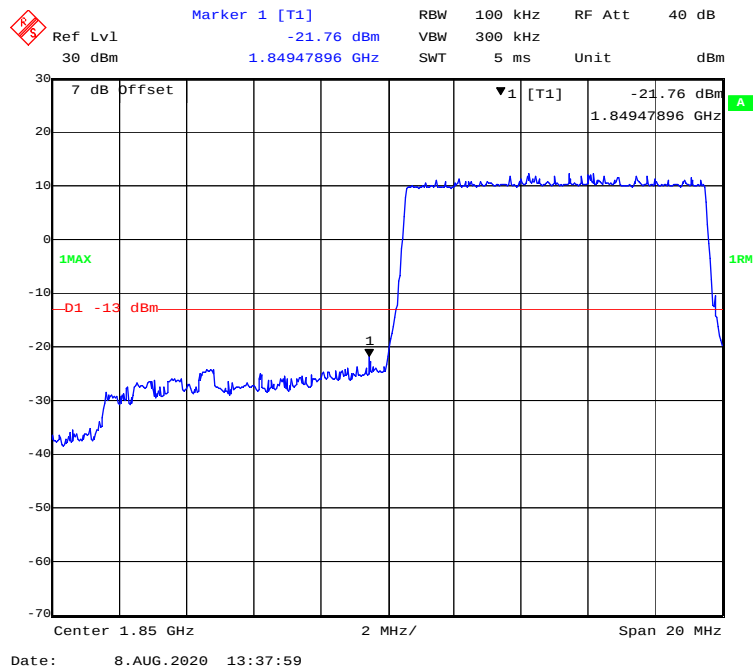
QPSK (5 MHz, FULL RB) - Left Band Edge



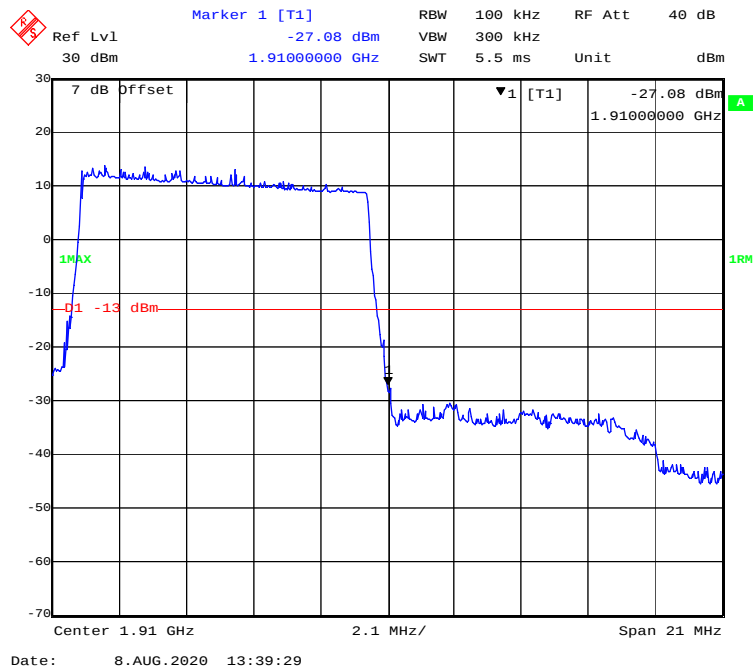
QPSK (5 MHz, FULL RB) - Right Band Edge

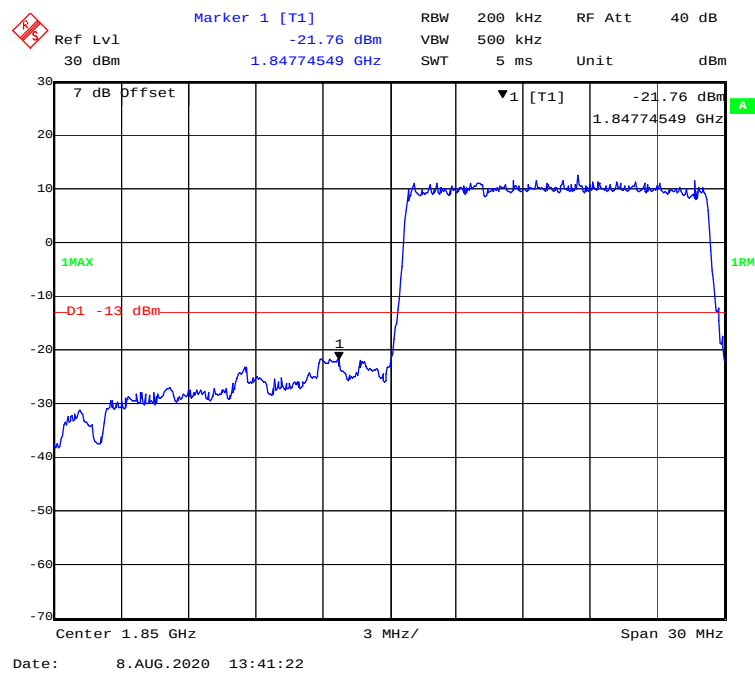
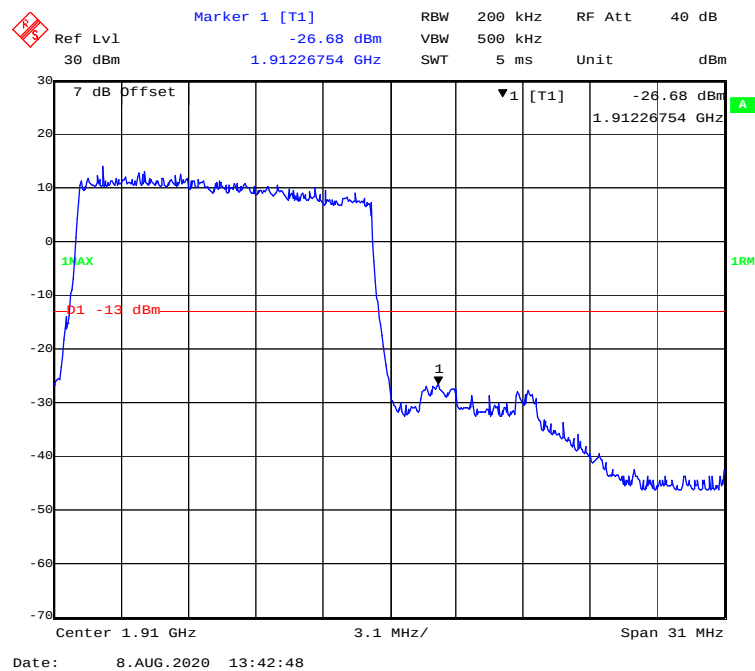


QPSK (10 MHz, FULL RB) - Left Band Edge

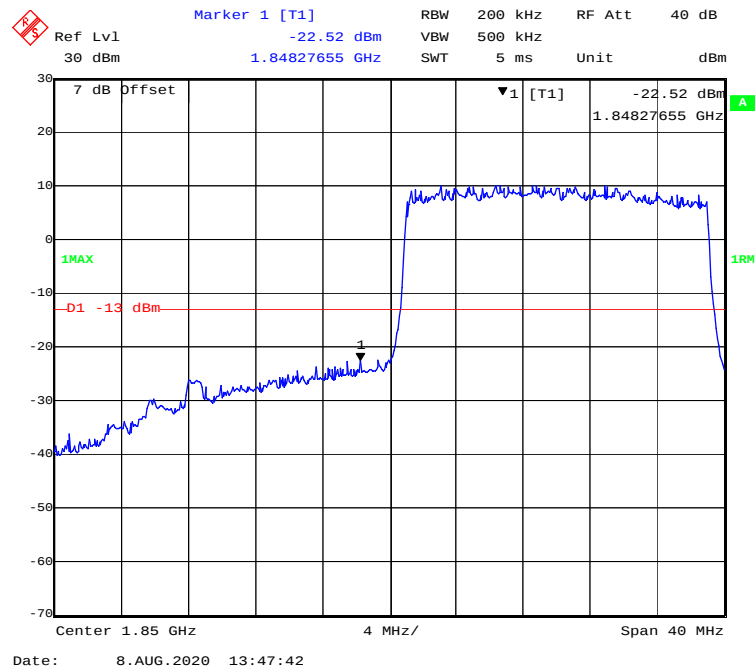


QPSK (10 MHz, FULL RB) - Right Band Edge

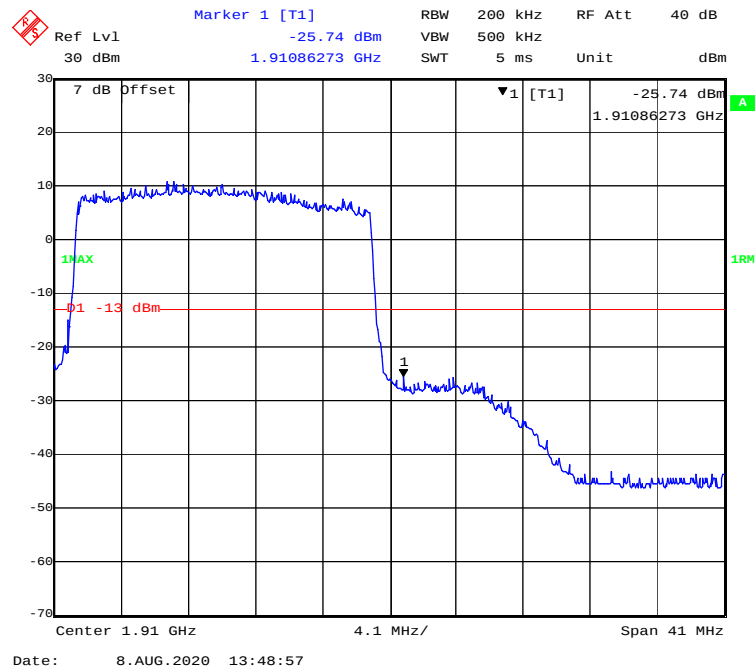


QPSK (15 MHz, FULL RB) - Left Band Edge**QPSK (15 MHz, FULL RB) - Right Band Edge**

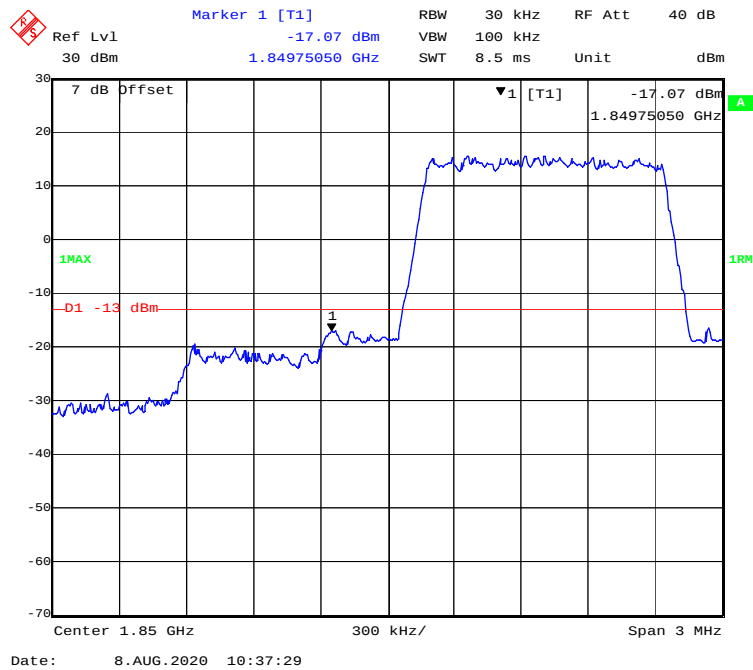
QPSK (20 MHz, FULL RB) - Left Band Edge



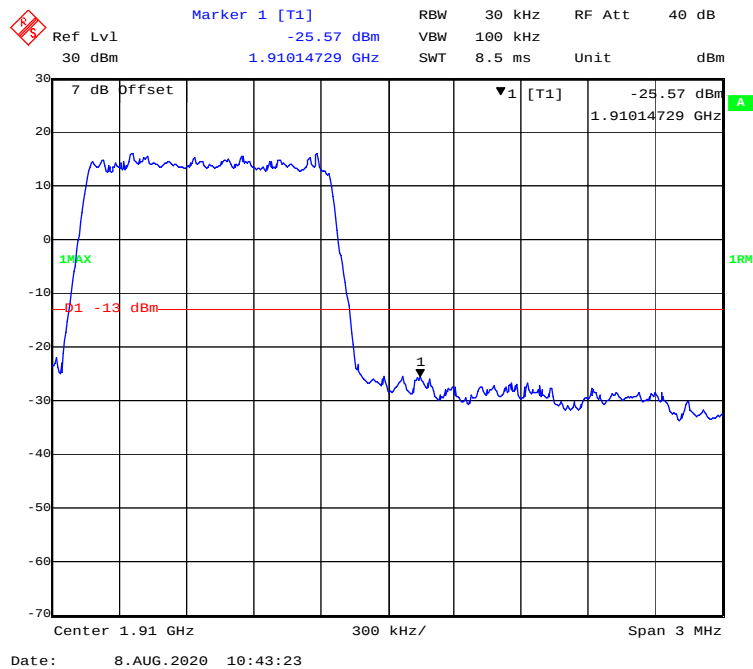
QPSK (20 MHz, FULL RB) - Right Band Edge



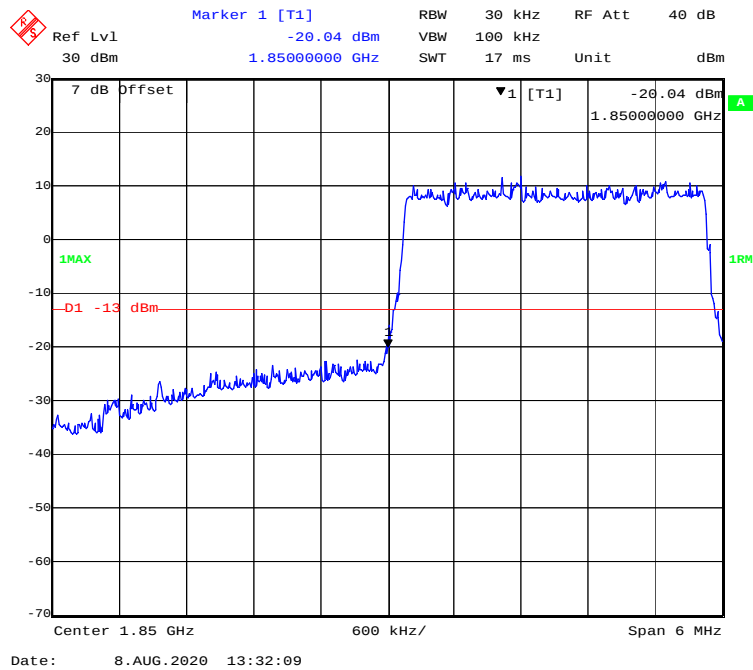
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



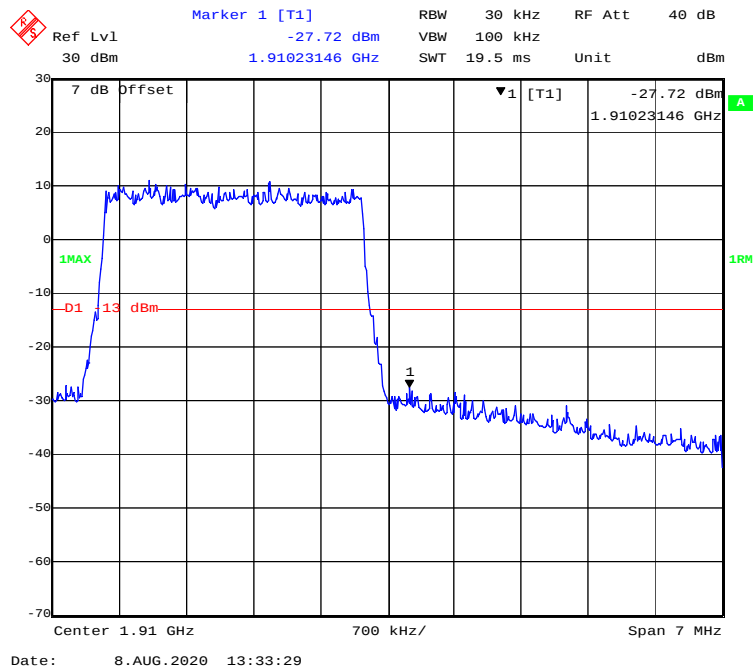
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



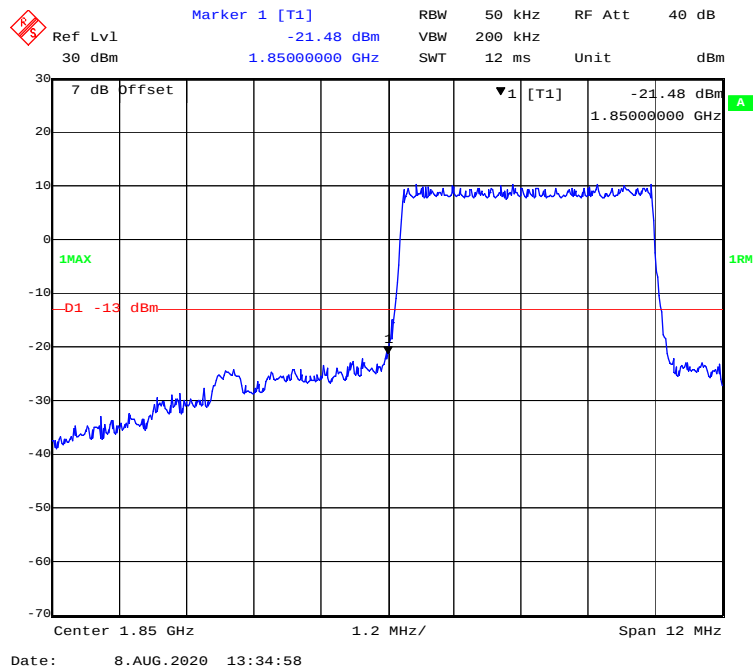
16-QAM (3 MHz, FULL RB) - Left Band Edge



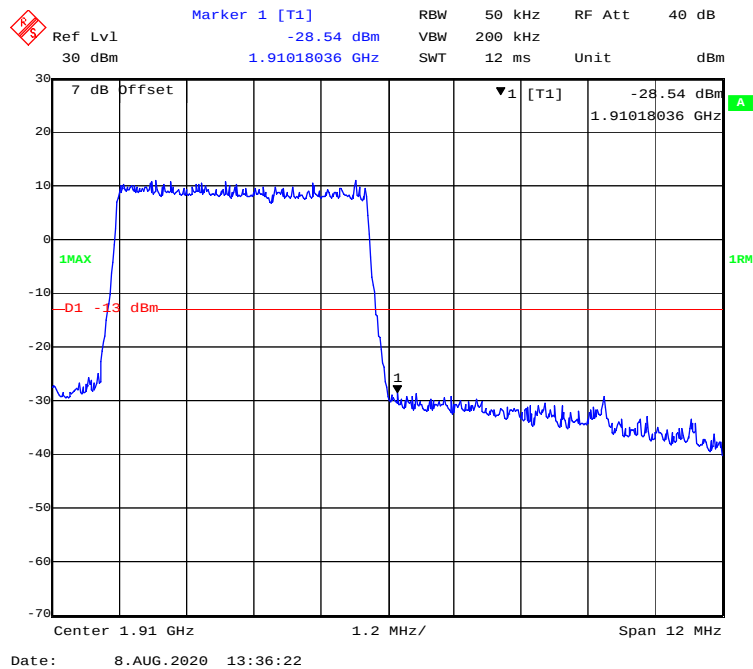
16-QAM (3 MHz, FULL RB) - Right Band Edge



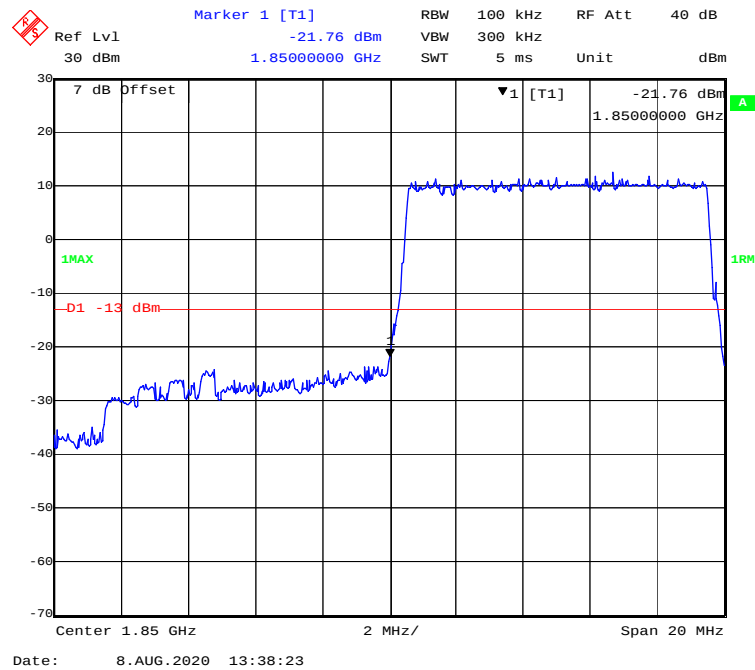
16-QAM (5 MHz, FULL RB) - Left Band Edge



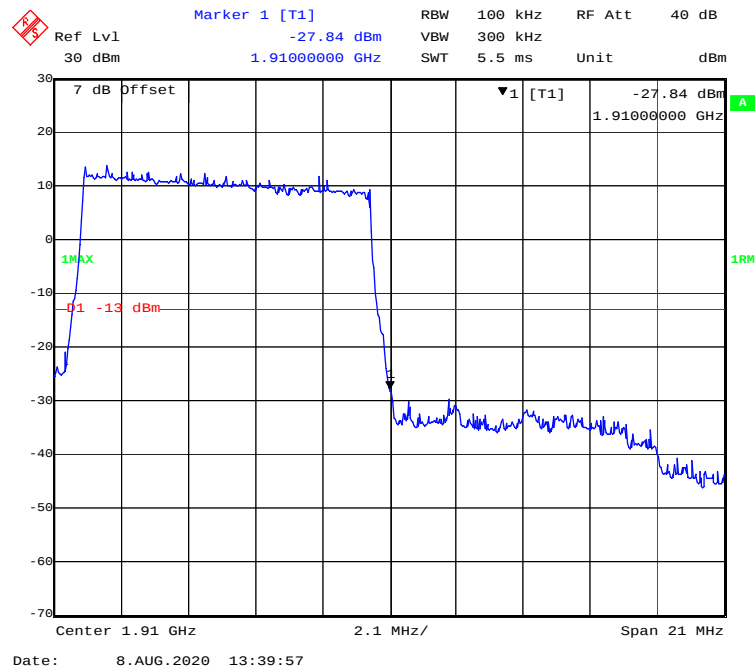
16-QAM (5 MHz, FULL RB) - Right Band Edge



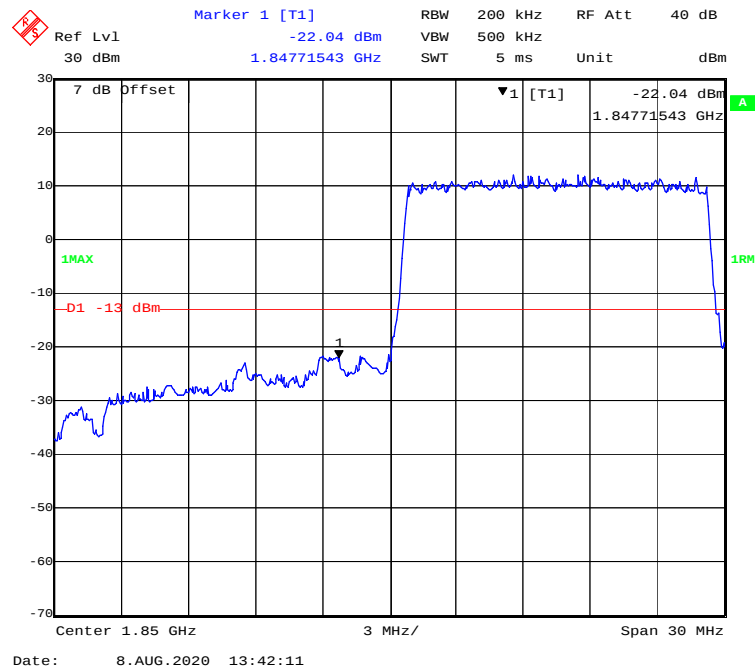
16-QAM (10 MHz, FULL RB) - Left Band Edge



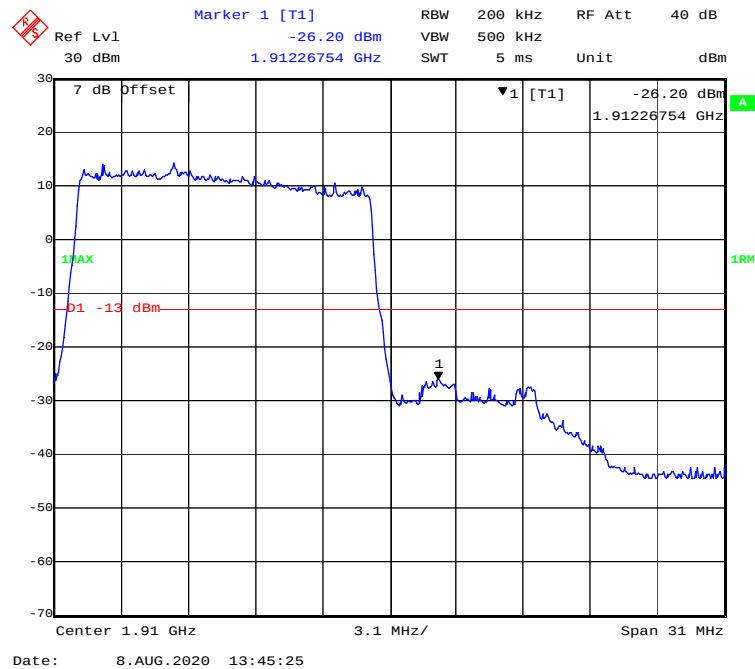
16-QAM (10 MHz, FULL RB) - Right Band Edge



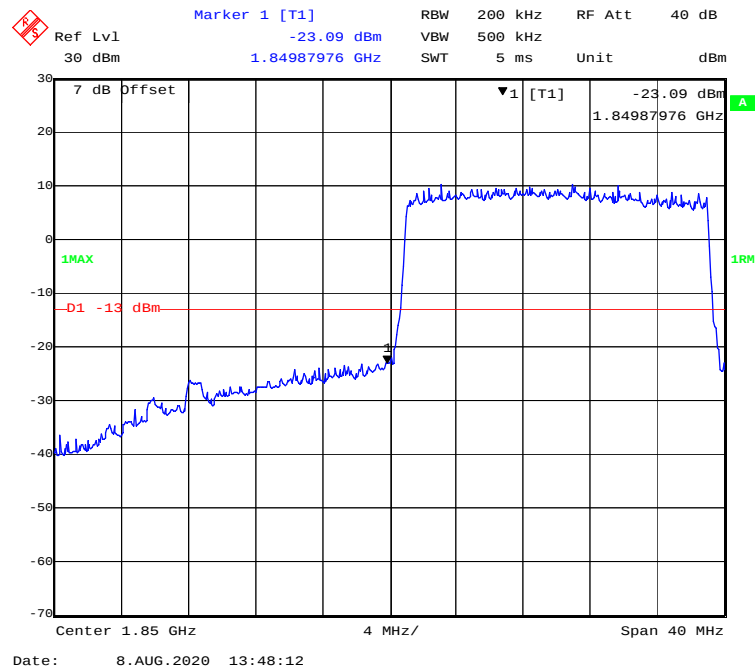
16-QAM (15 MHz, FULL RB) - Left Band Edge



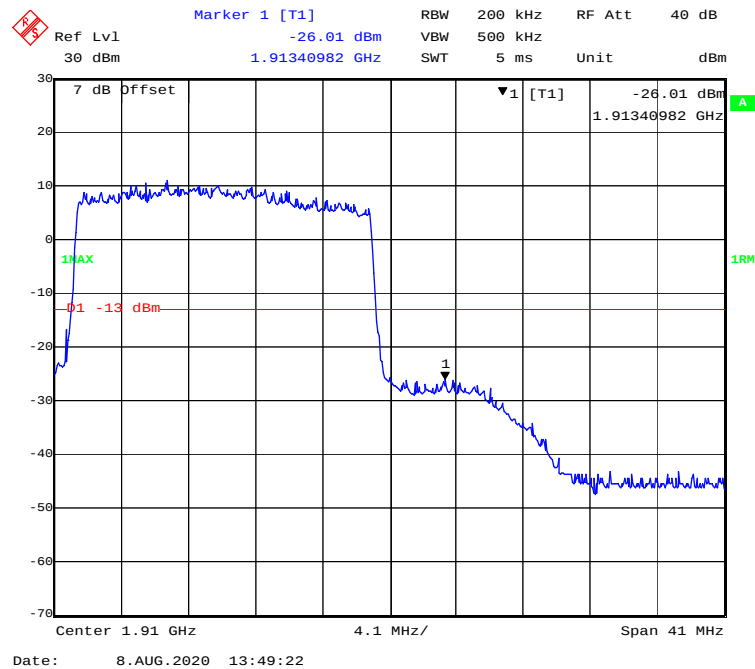
16-QAM (15 MHz, FULL RB) - Right Band Edge



16-QAM (20 MHz, FULL RB) - Left Band Edge



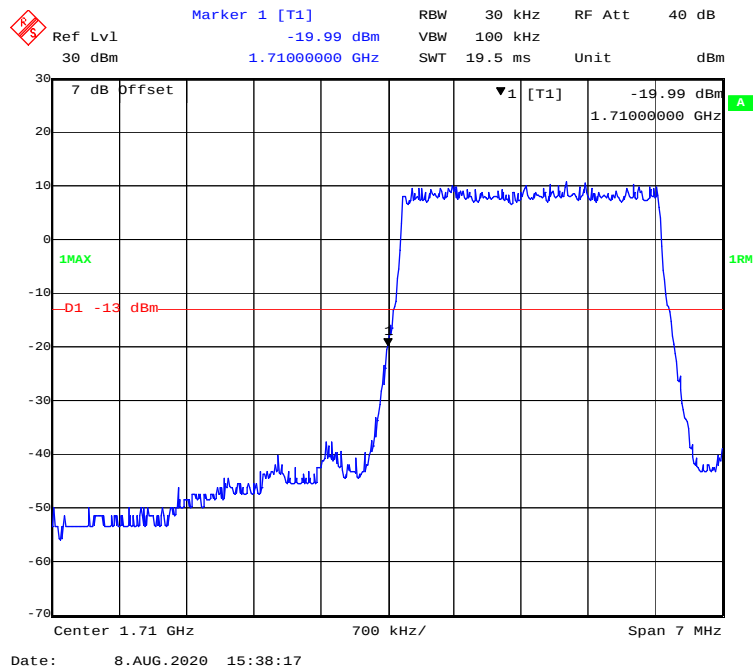
16-QAM (20 MHz, FULL RB) - Right Band Edge



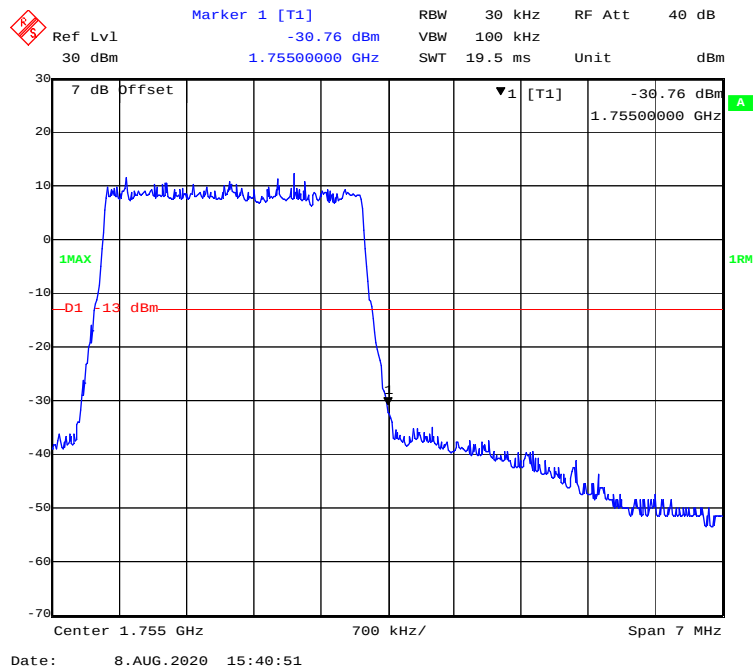
QPSK (1.4 MHz, FULL RB) - Left Band Edge



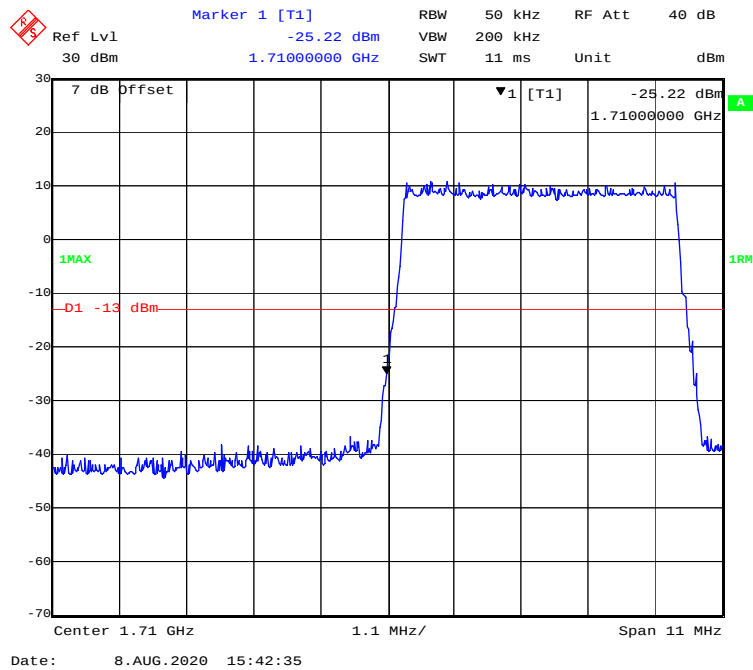
QPSK (3 MHz, FULL RB) - Left Band Edge



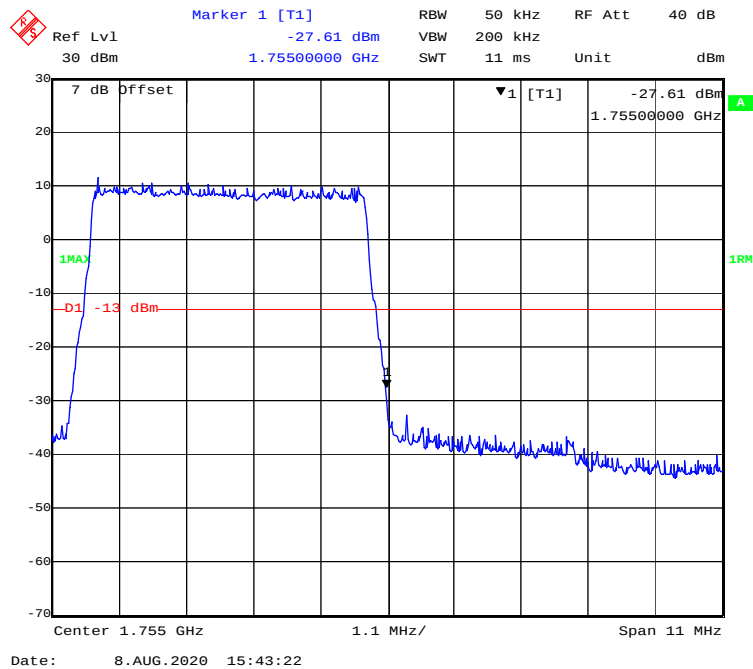
QPSK (3 MHz, FULL RB) - Right Band Edge



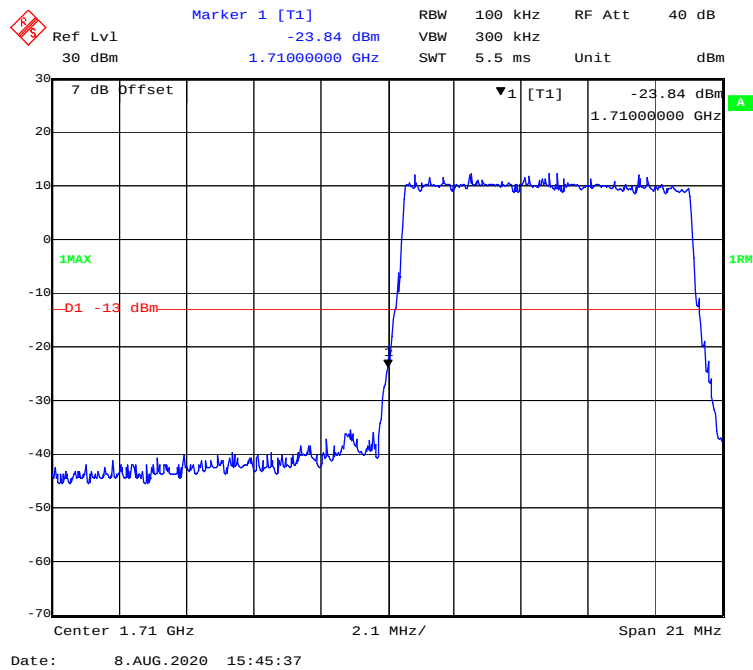
QPSK (5 MHz, FULL RB) - Left Band Edge



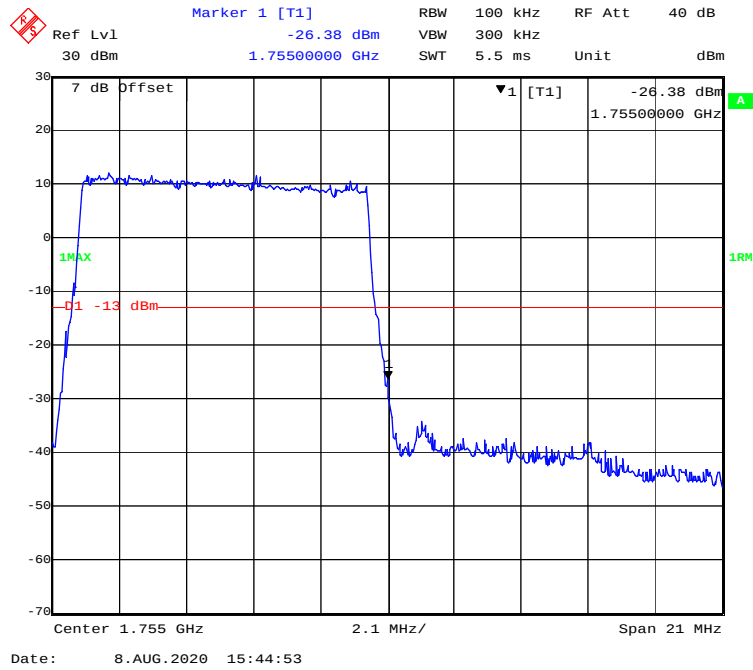
QPSK (5 MHz, FULL RB) - Right Band Edge



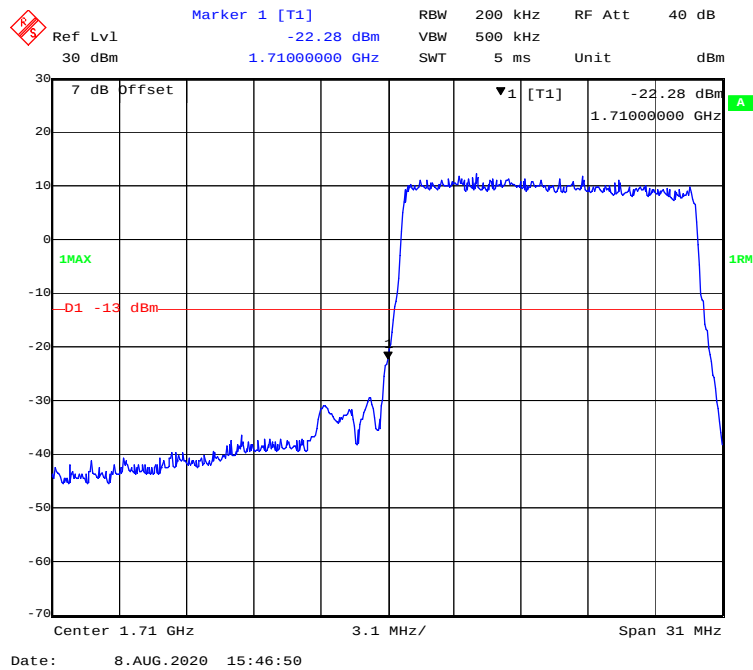
QPSK (10 MHz, FULL RB) - Left Band Edge



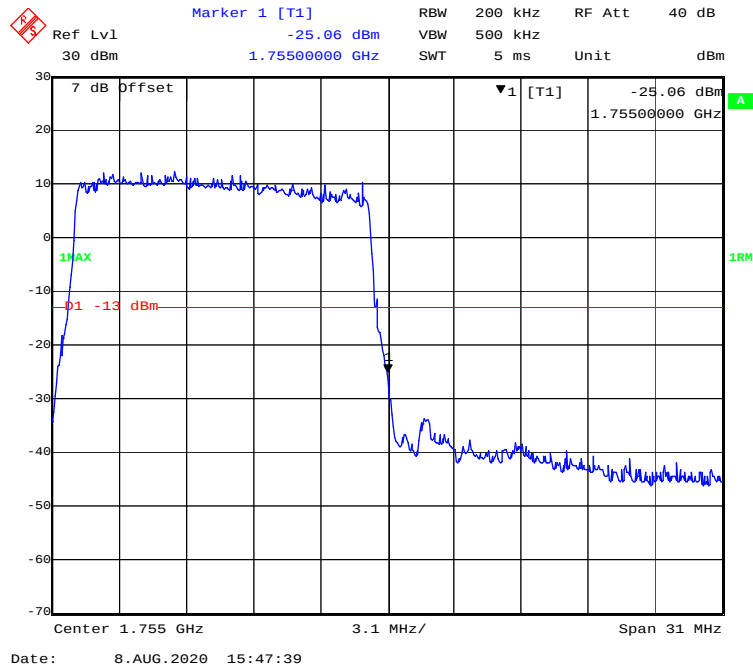
QPSK (10 MHz, FULL RB) - Right Band Edge



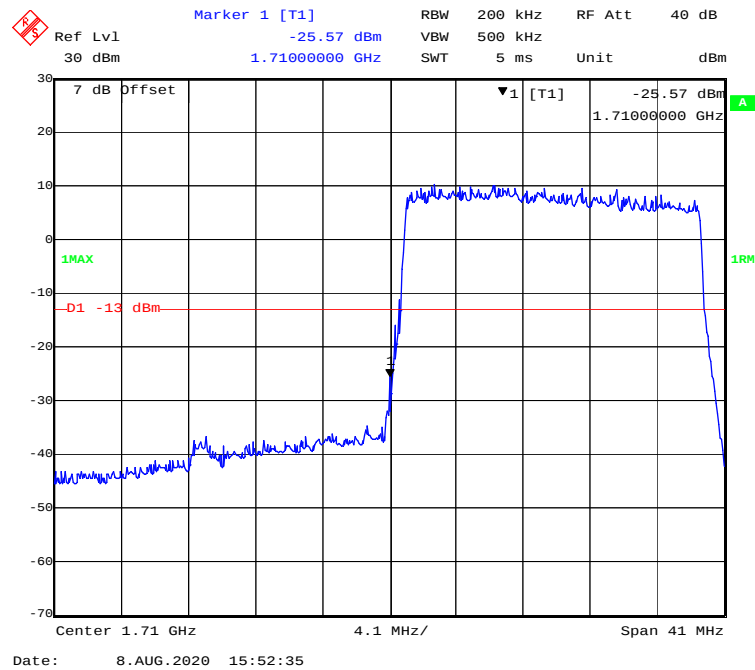
QPSK (15 MHz, FULL RB) - Left Band Edge



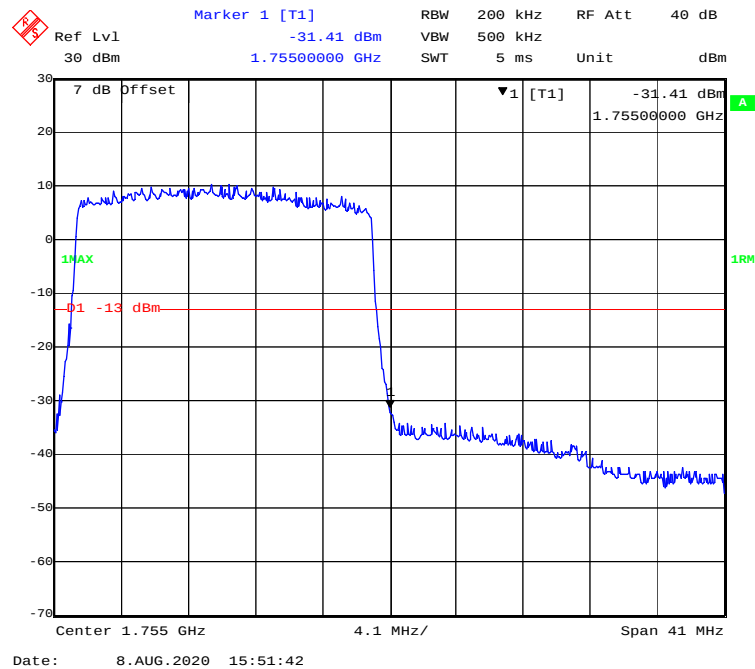
QPSK (15 MHz, FULL RB) - Right Band Edge



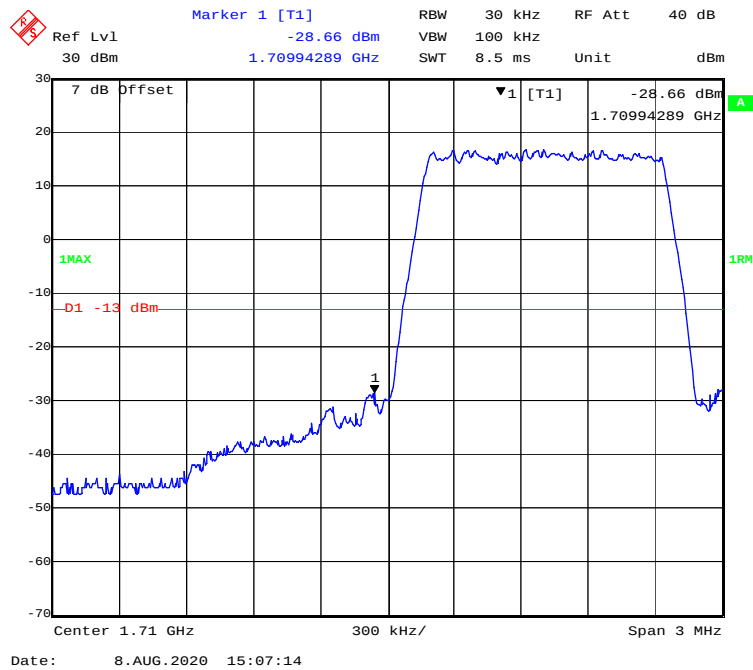
QPSK (20 MHz, FULL RB) - Left Band Edge



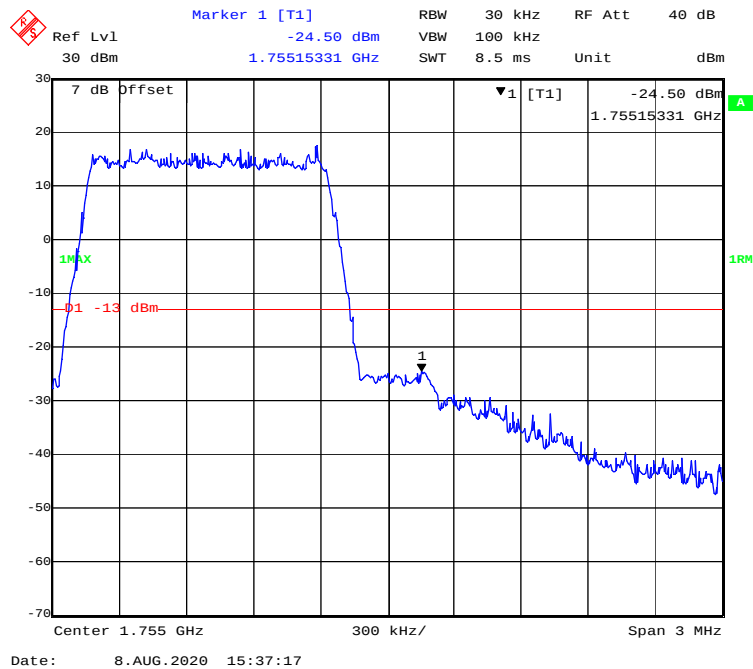
QPSK (20 MHz, FULL RB) - Right Band Edge



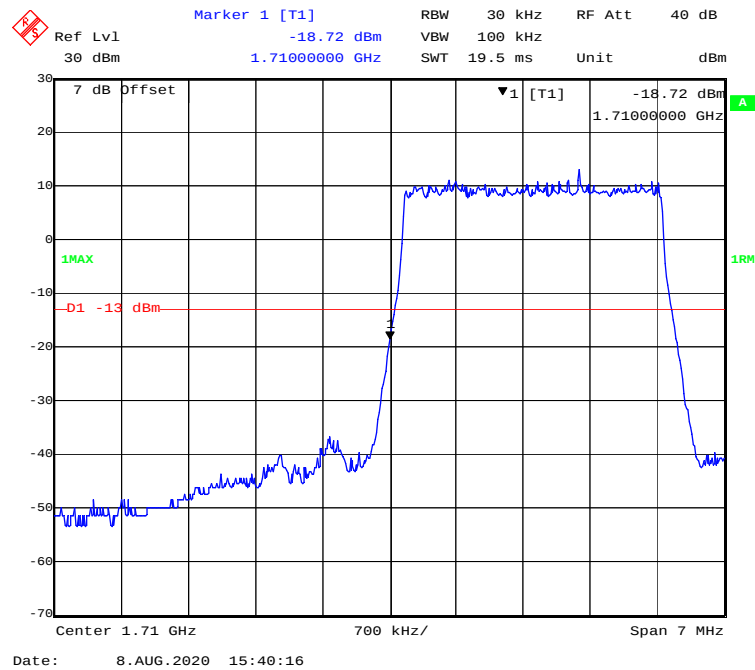
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



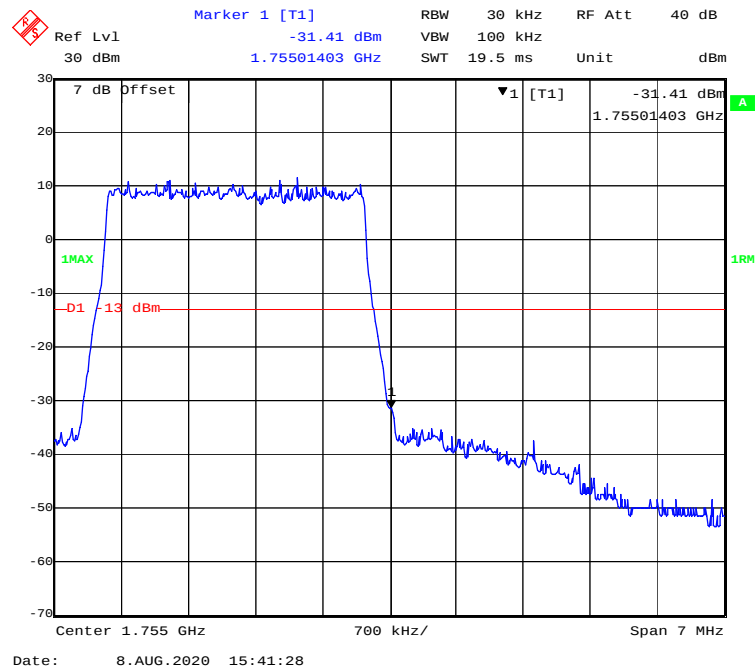
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



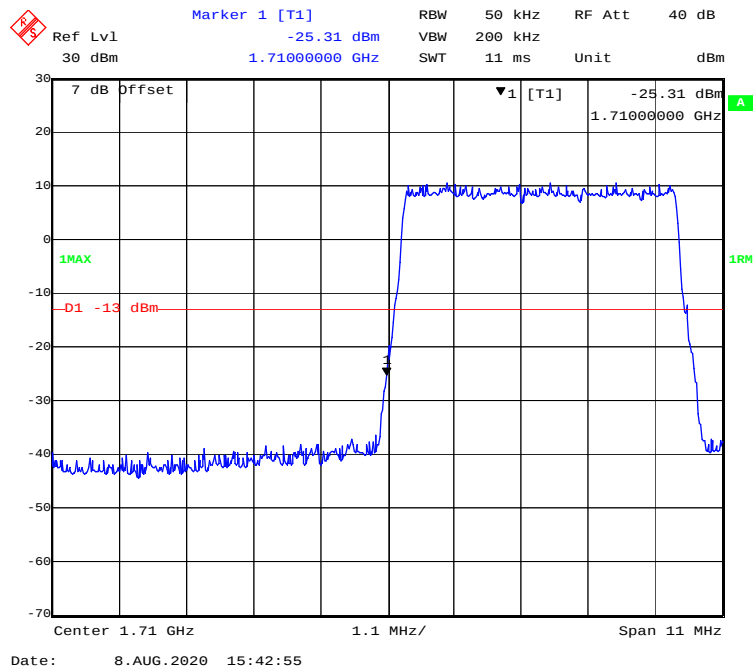
16-QAM (3 MHz, FULL RB) - Left Band Edge



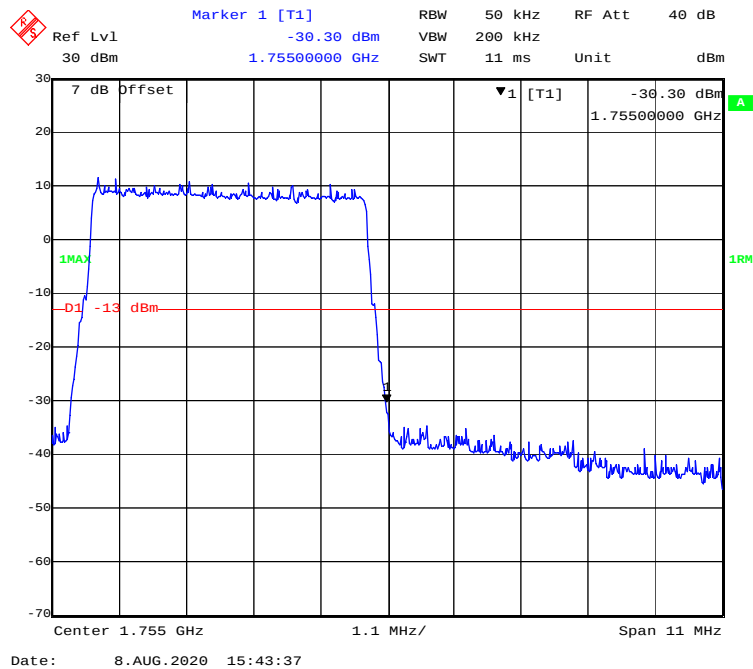
16-QAM (3 MHz, FULL RB) - Right Band Edge

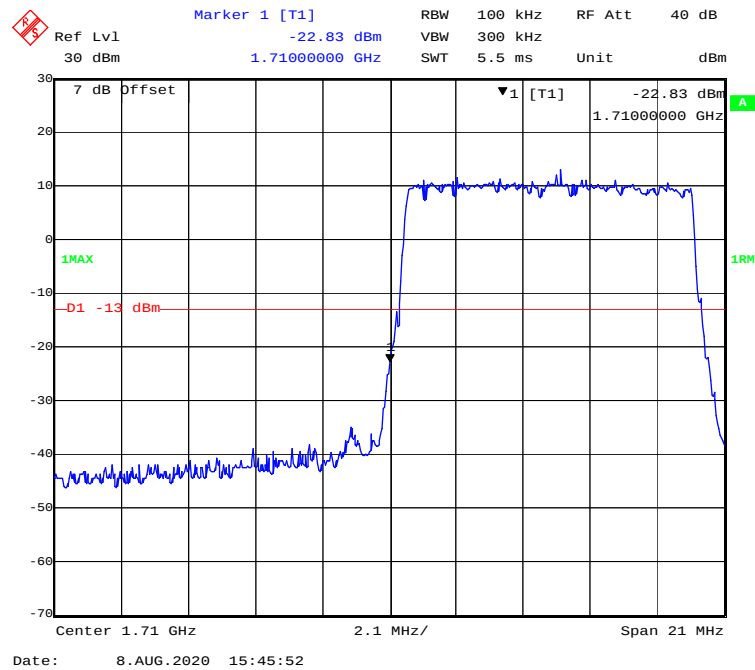
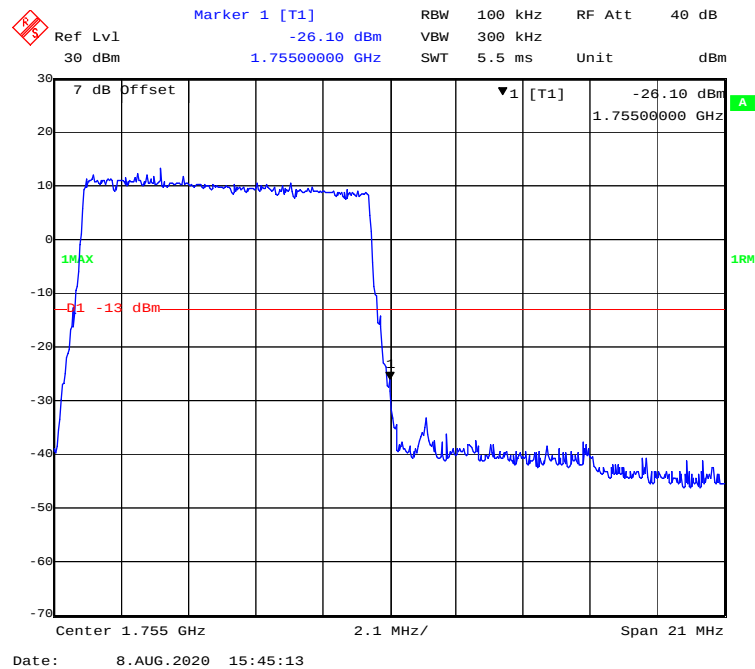


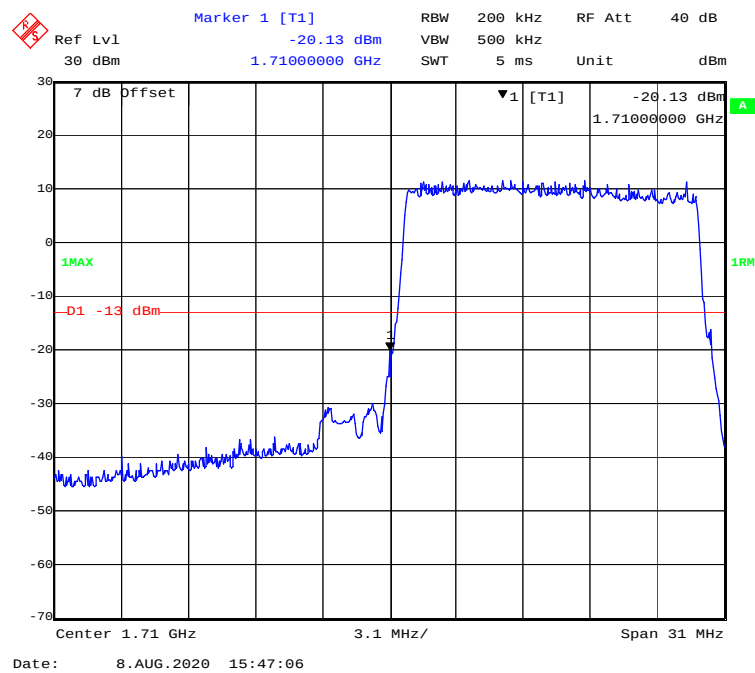
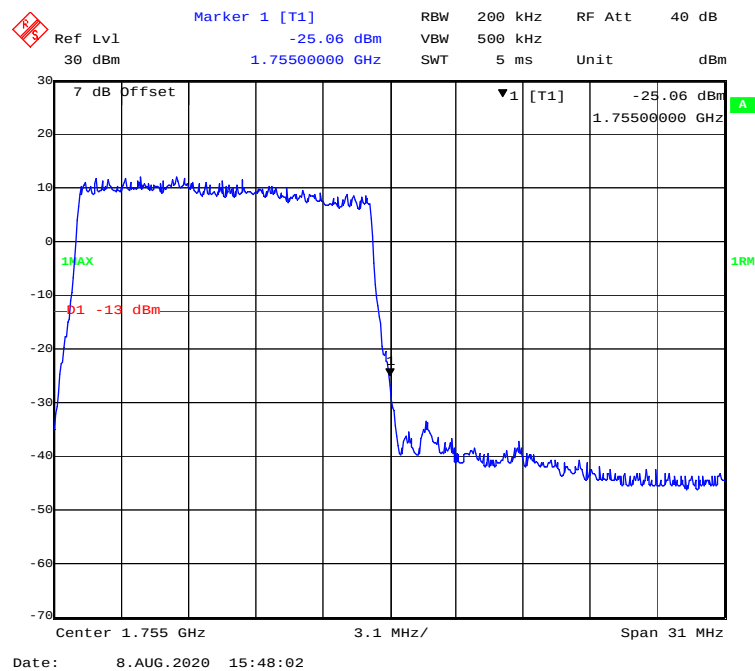
16-QAM (5 MHz, FULL RB) - Left Band Edge



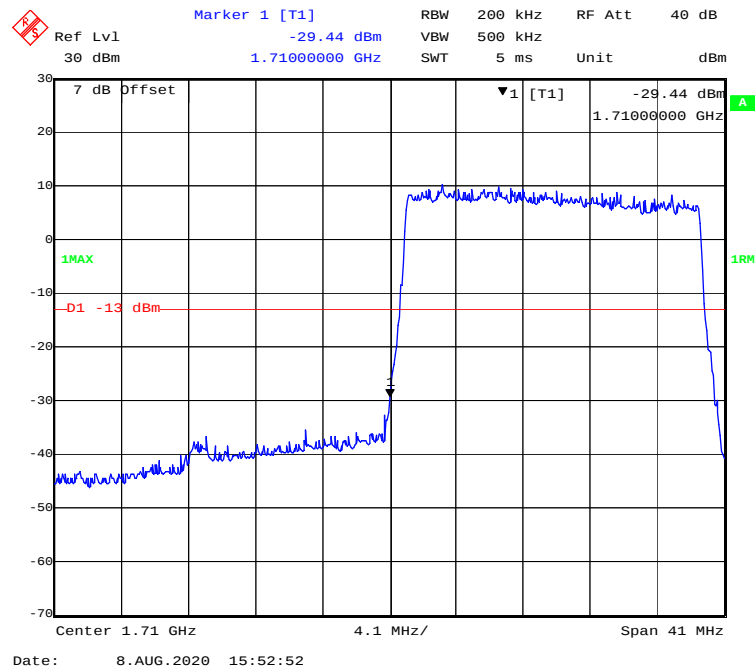
16-QAM (5 MHz, FULL RB) - Right Band Edge



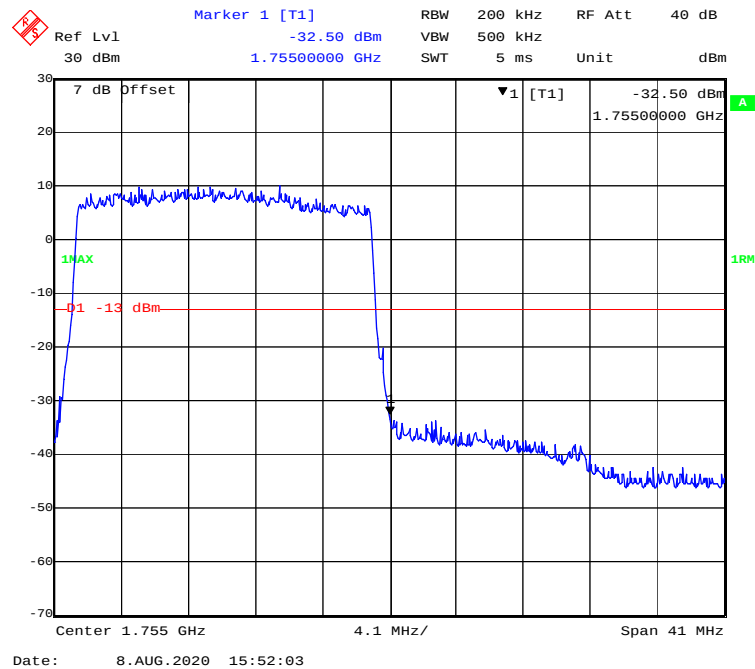
16-QAM (10 MHz, FULL RB) - Left Band Edge**16-QAM (10 MHz, FULL RB) - Right Band Edge**

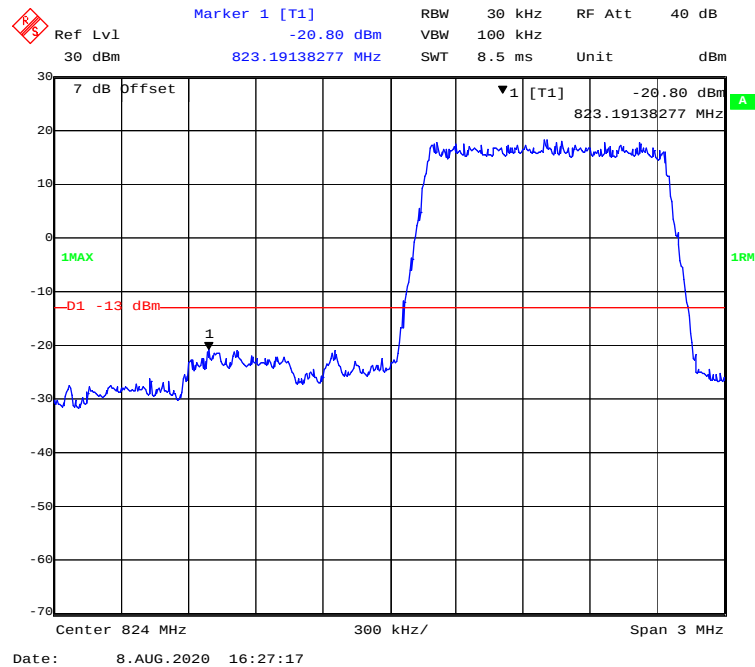
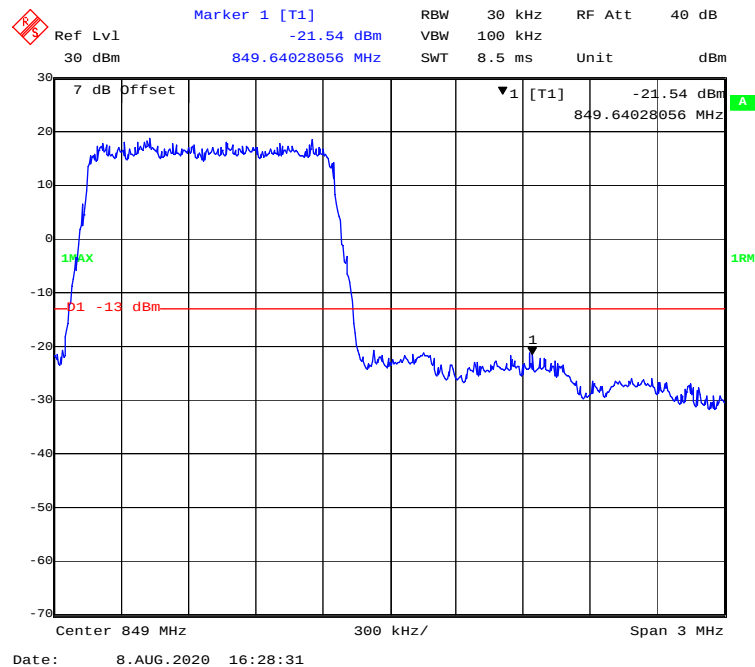
16-QAM (15 MHz, FULL RB) - Left Band Edge**16-QAM (15 MHz, FULL RB) - Right Band Edge**

16-QAM (20 MHz, FULL RB) - Left Band Edge

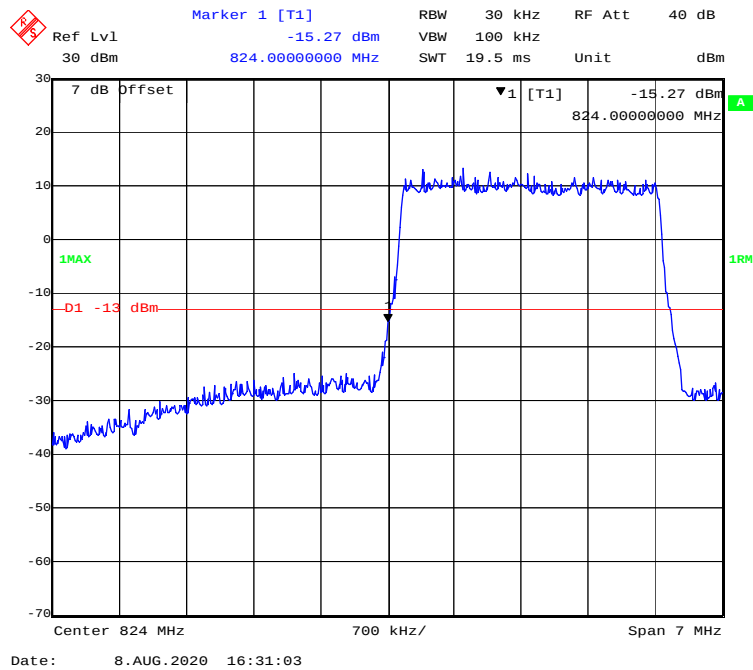


16-QAM (20 MHz, FULL RB) - Right Band Edge

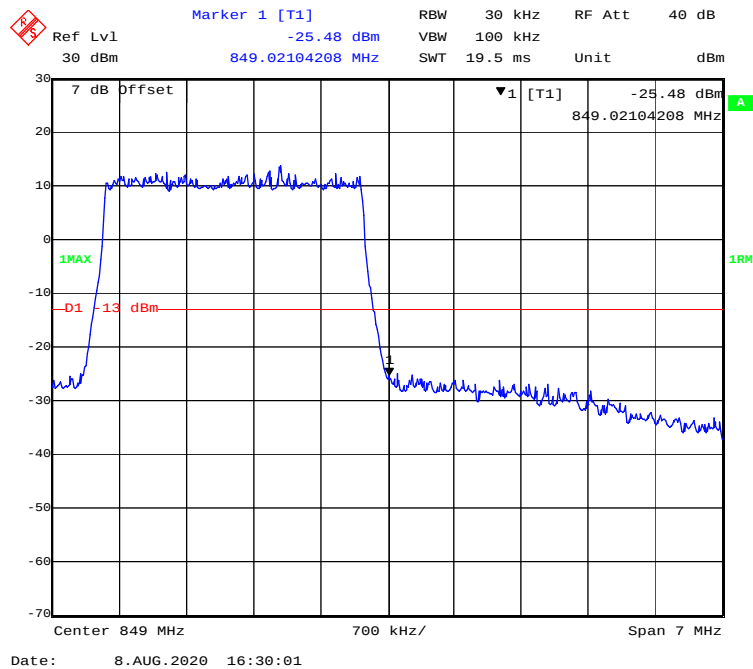


LTE Band 5:**QPSK (1.4 MHz, FULL RB) - Left Band Edge****QPSK (1.4 MHz, FULL RB) - Right Band Edge**

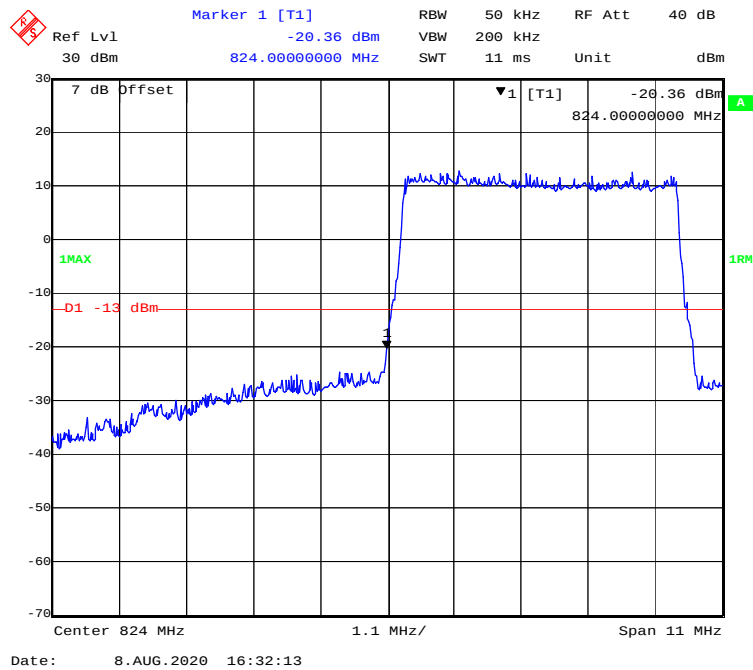
QPSK (3.0 MHz, FULL RB) - Left Band Edge



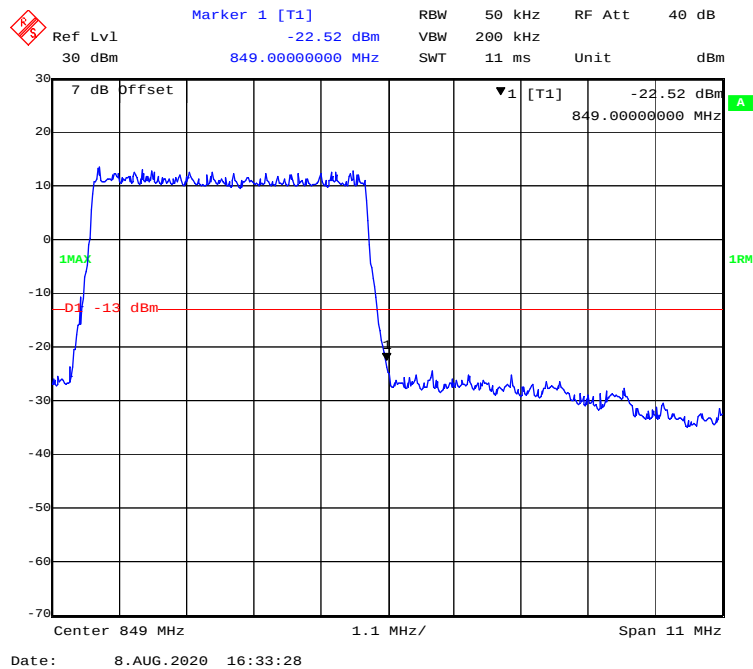
QPSK (3.0 MHz, FULL RB) - Right Band Edge



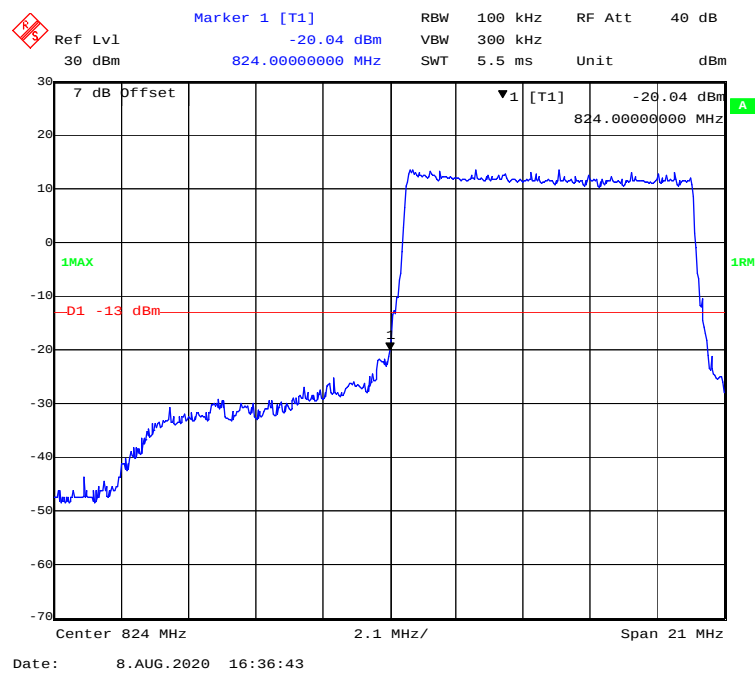
QPSK (5.0 MHz, FULL RB) - Left Band Edge



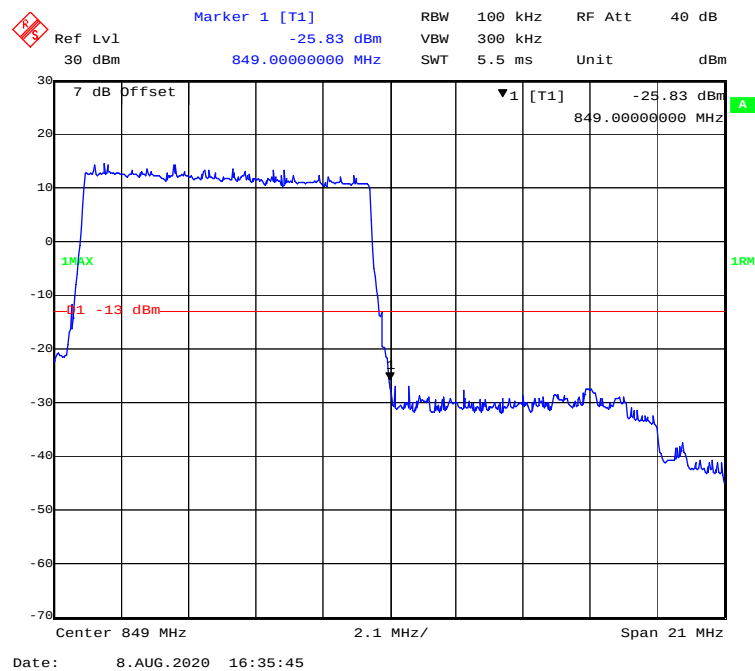
QPSK (5.0 MHz, FULL RB) - Right Band Edge

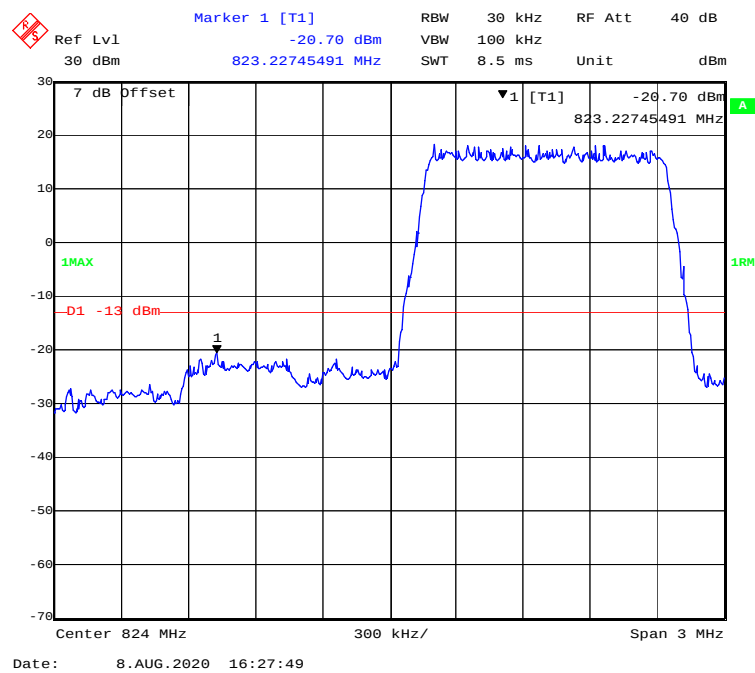
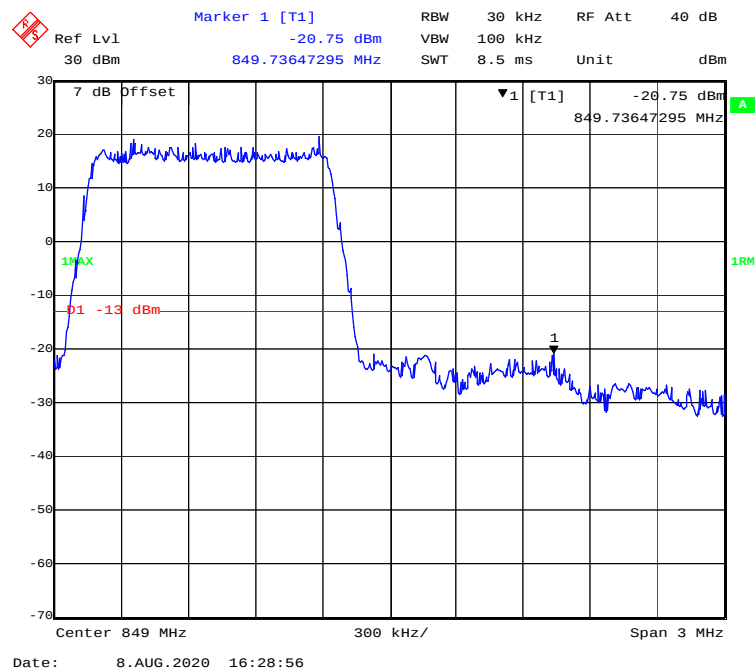


QPSK (10.0 MHz, FULL RB) - Left Band Edge

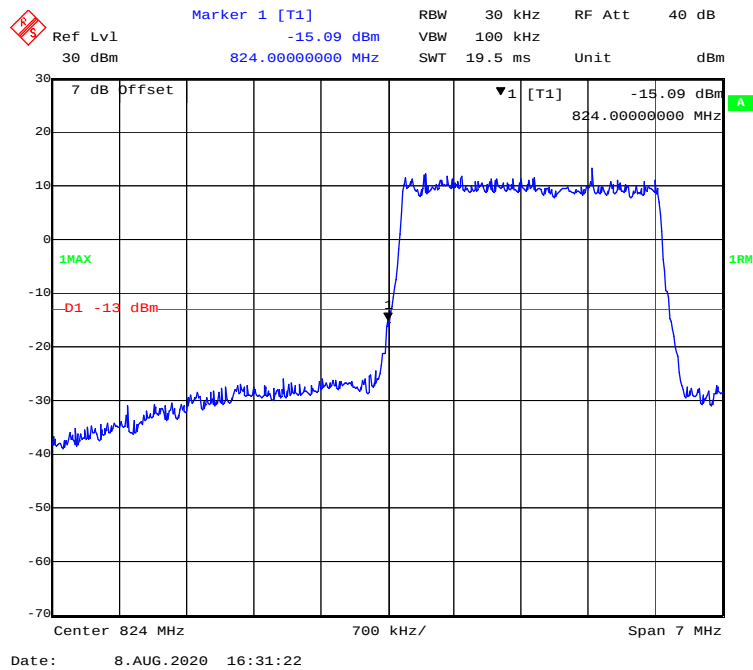


QPSK (10.0 MHz, FULL RB) - Right Band Edge

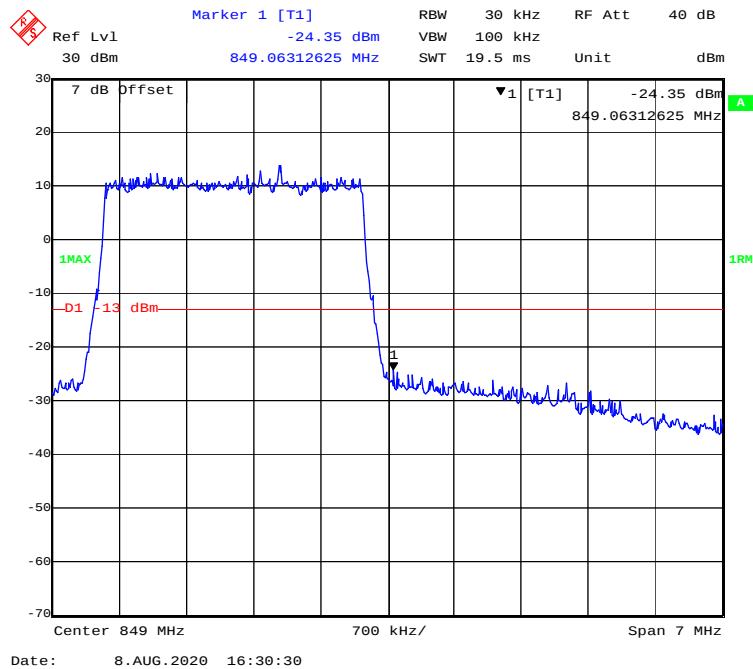


16-QAM (1.4 MHz, FULL RB) - Left Band Edge**16-QAM (1.4 MHz, FULL RB) - Right Band Edge**

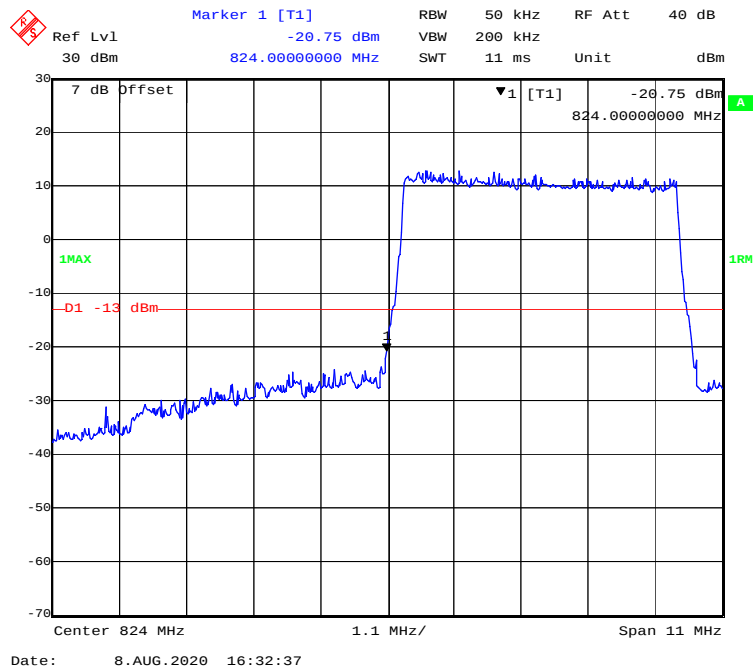
16-QAM (3.0 MHz, FULL RB) - Left Band Edge



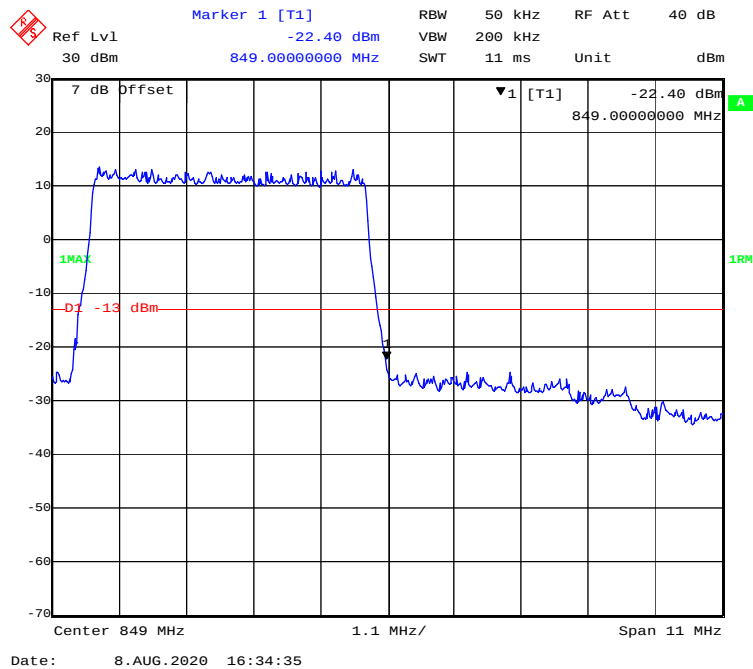
16-QAM (3.0 MHz, FULL RB) - Right Band Edge



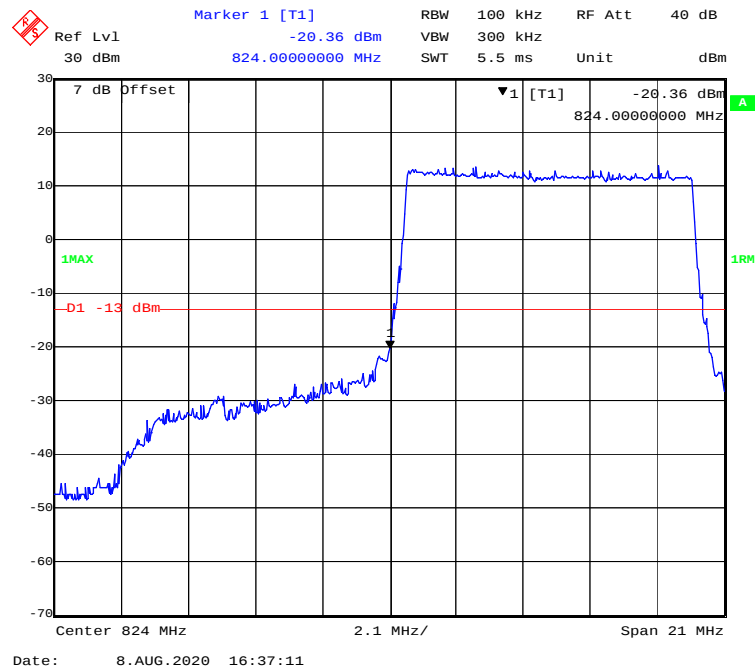
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



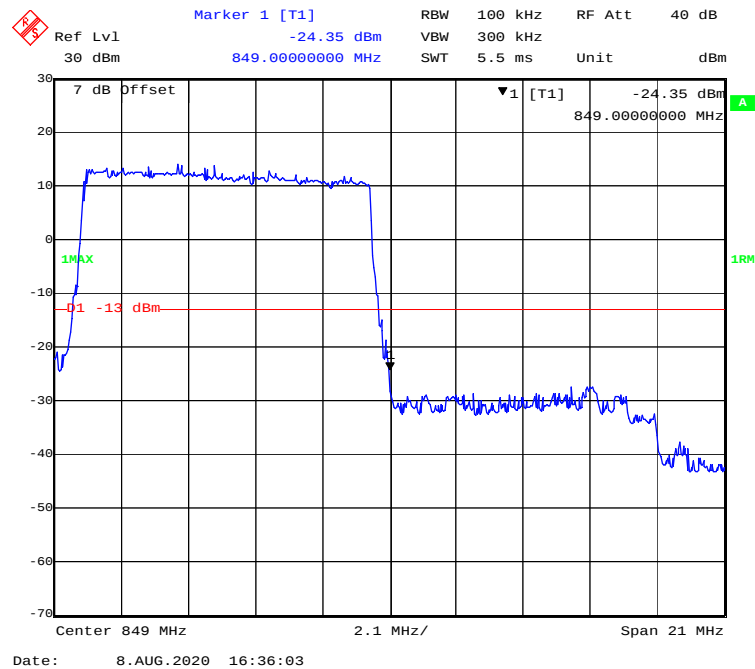
16-QAM (5.0 MHz, FULL RB) - Right Band Edge

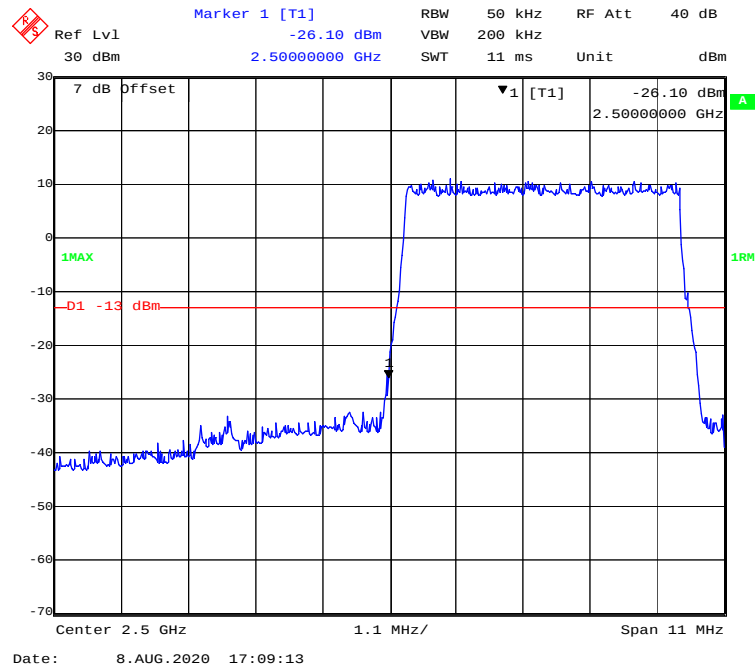
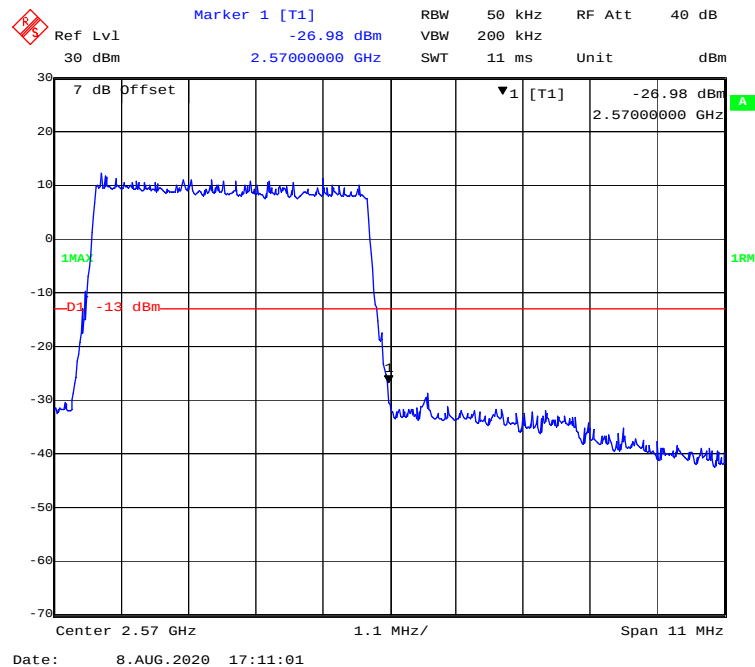


16-QAM (10.0 MHz, FULL RB) - Left Band Edge

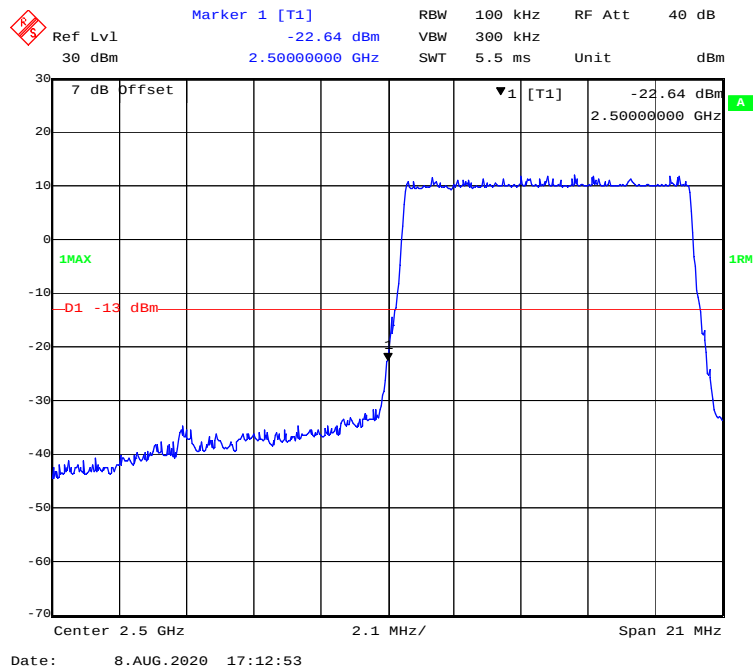


16-QAM (10.0 MHz, FULL RB) - Right Band Edge

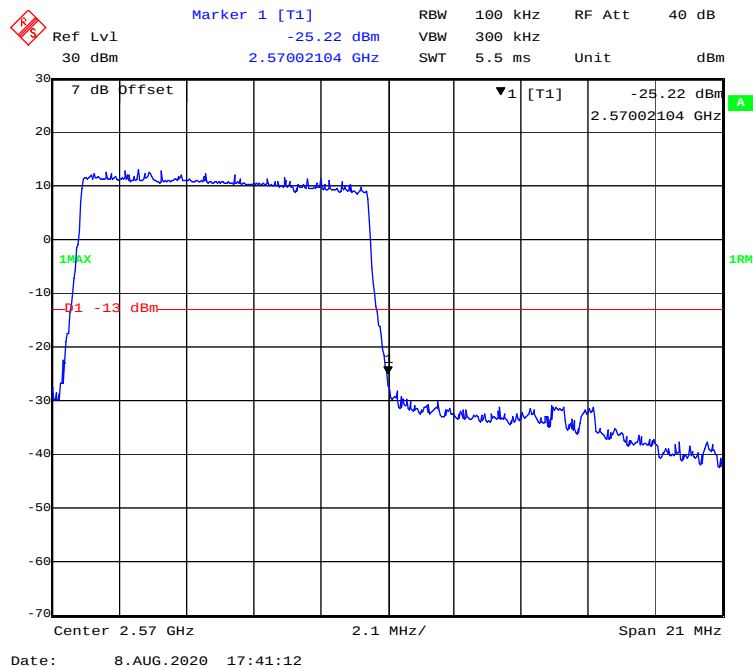


LTE Band 7:**QPSK (5.0 MHz, FULL RB) - Left Band Edge****QPSK (5.0 MHz, FULL RB) - Right Band Edge**

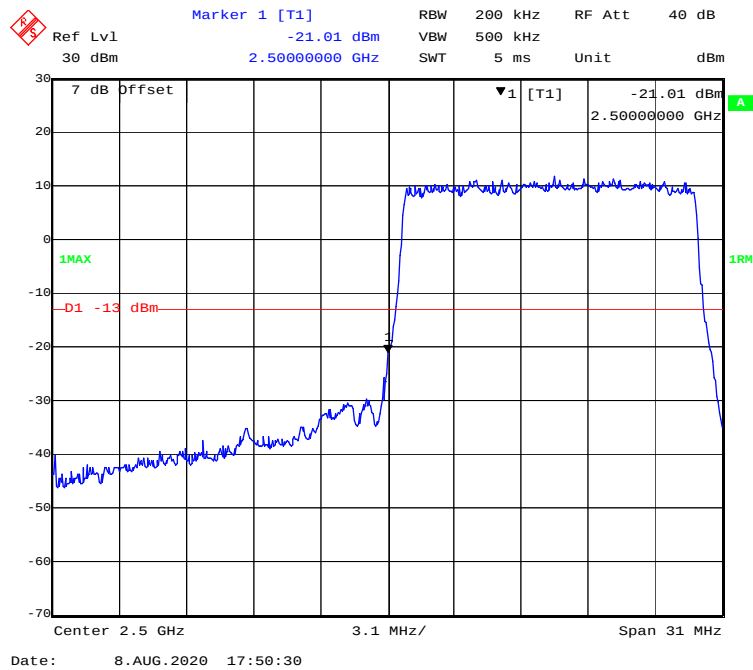
QPSK (10.0 MHz, FULL RB) - Left Band Edge



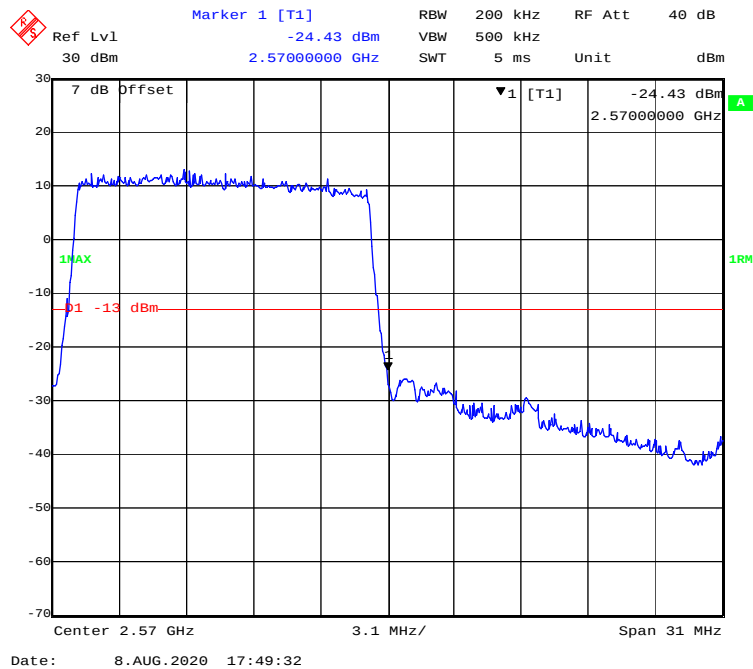
QPSK (10.0 MHz, FULL RB) - Right Band Edge



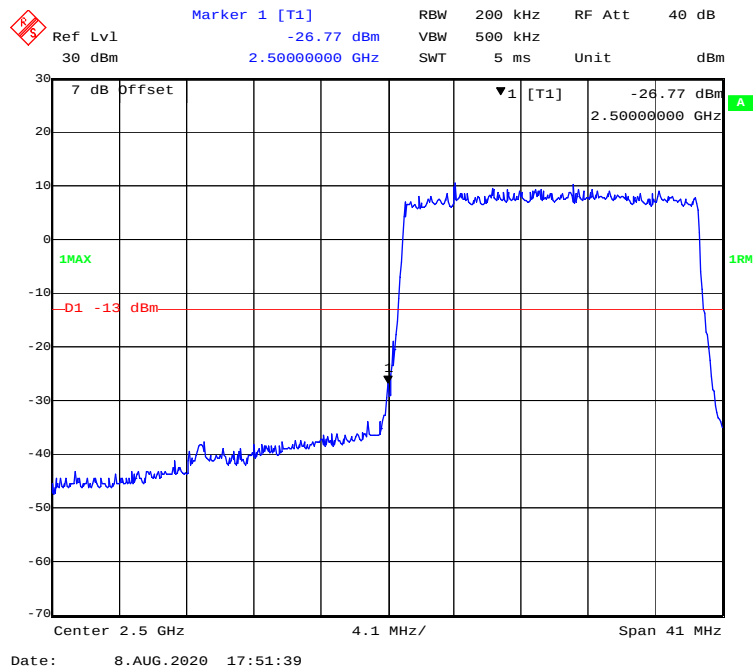
QPSK (15.0 MHz, FULL RB) - Left Band Edge



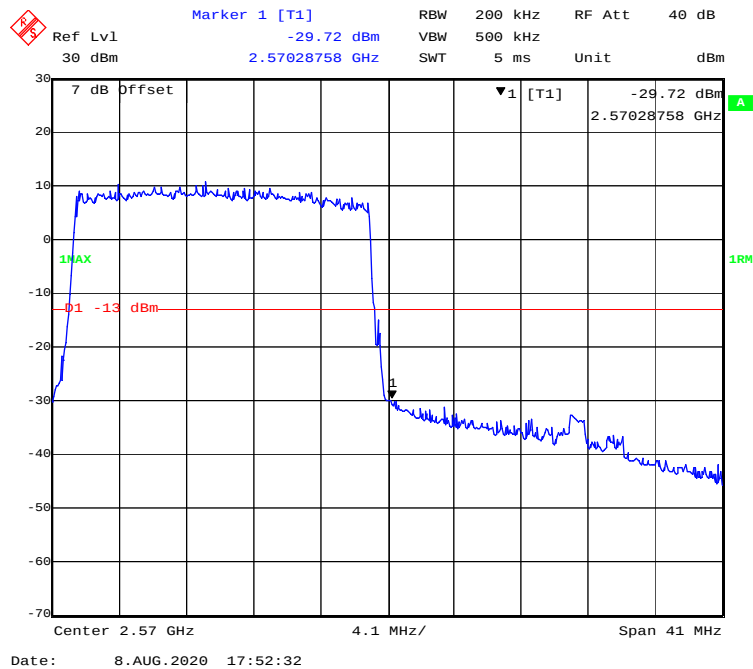
QPSK (15.0 MHz, FULL RB) - Right Band Edge

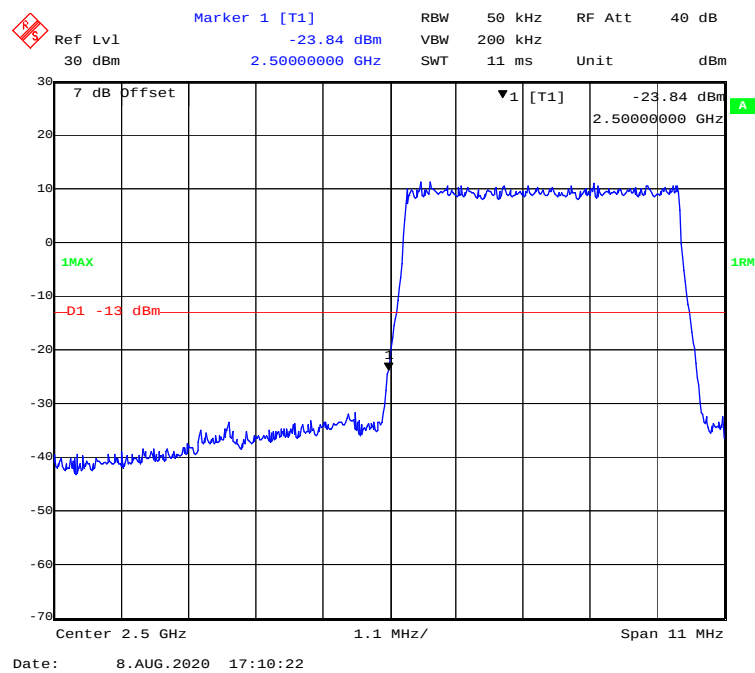
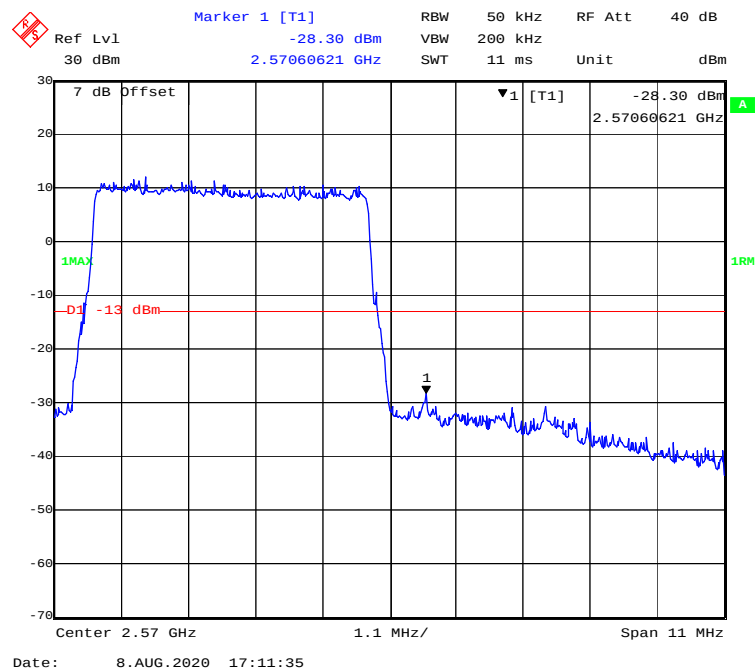


QPSK (20.0 MHz, FULL RB) - Left Band Edge

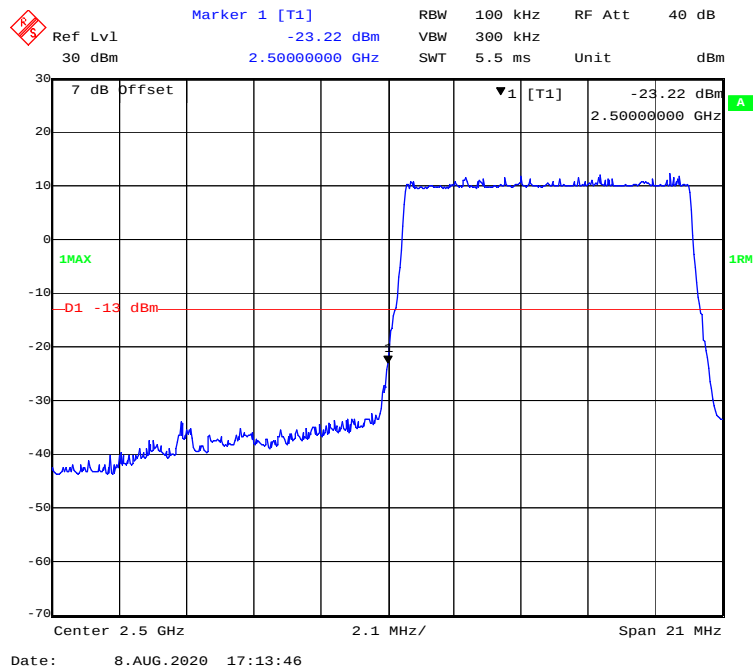


QPSK (20.0 MHz, FULL RB) - Right Band Edge

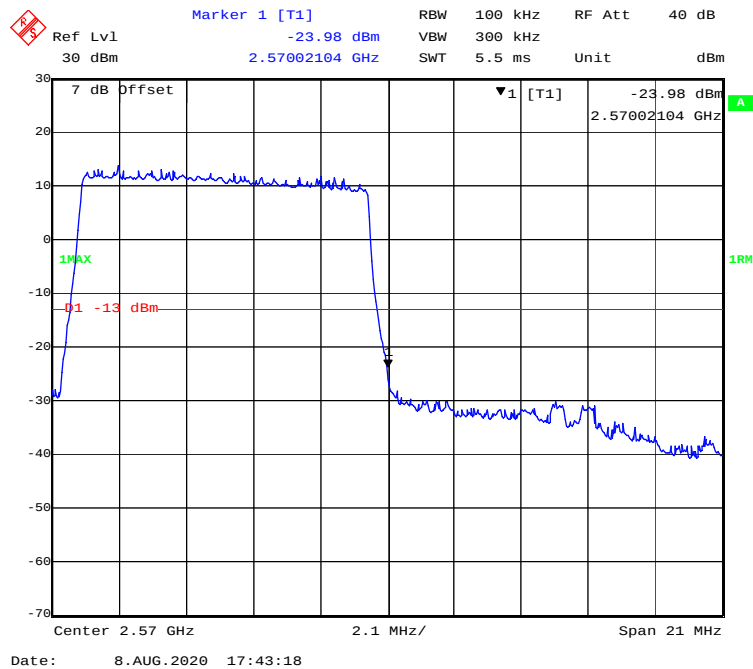


16-QAM (5.0 MHz, FULL RB) - Left Band Edge**16-QAM (5.0 MHz, FULL RB) - Right Band Edge**

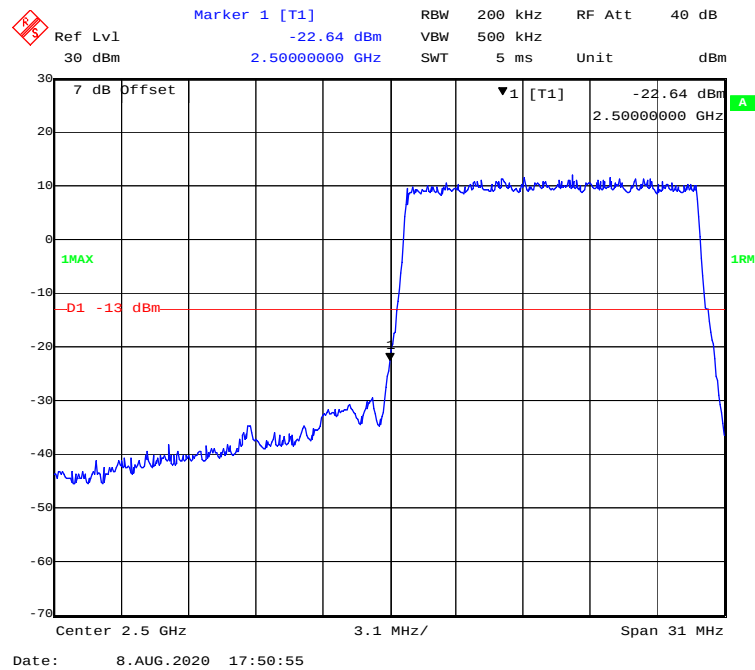
16-QAM (10.0 MHz, FULL RB) - Left Band Edge



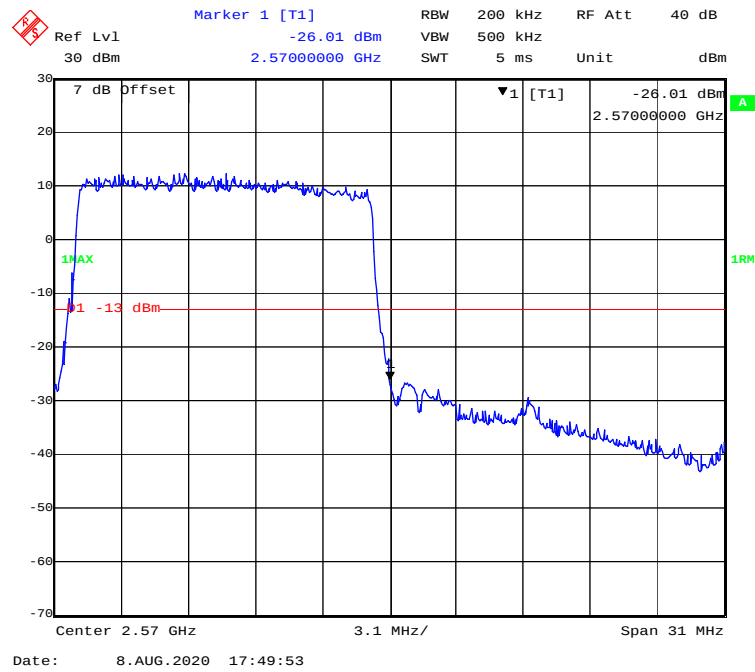
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



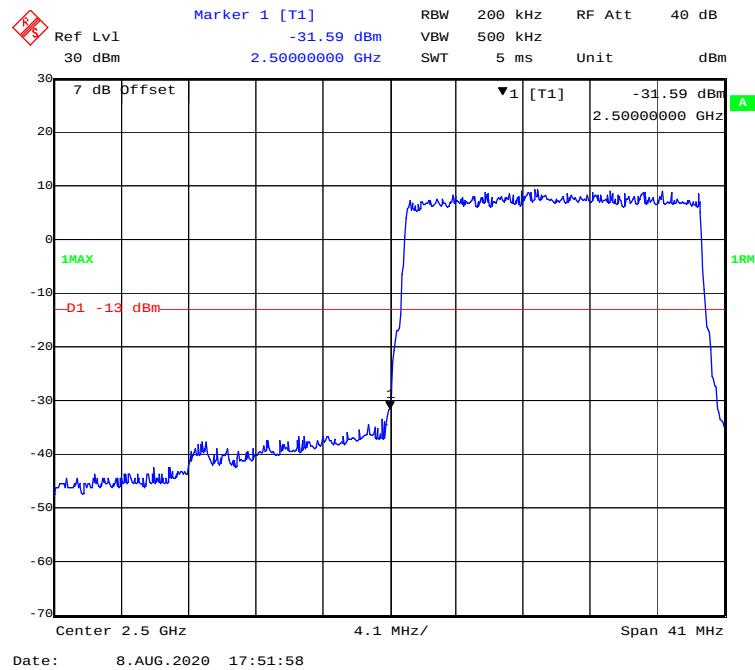
16-QAM (15.0 MHz, FULL RB) - Left Band Edge



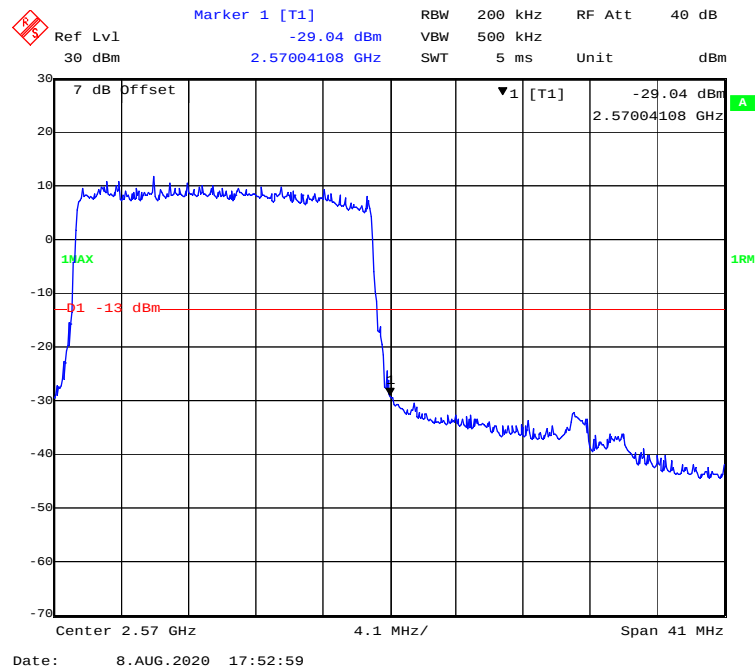
16-QAM (15.0 MHz, FULL RB) - Right Band Edge

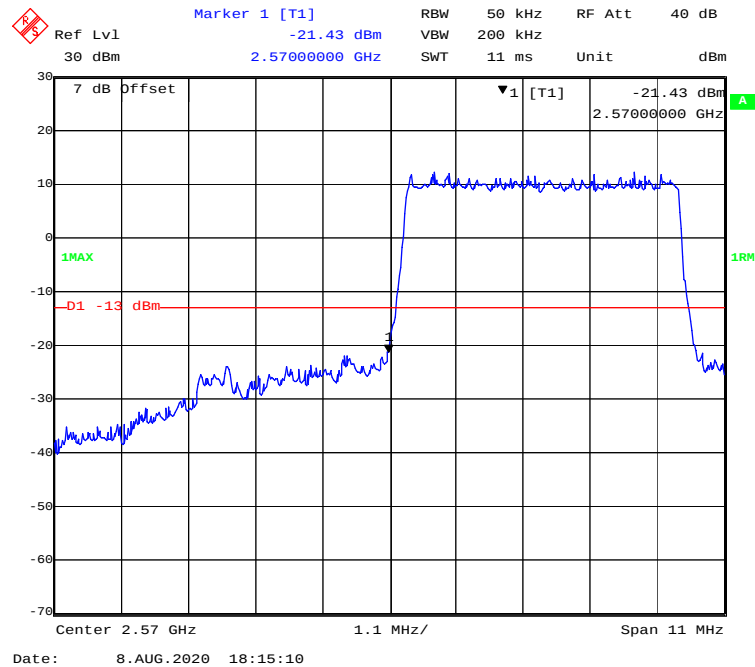
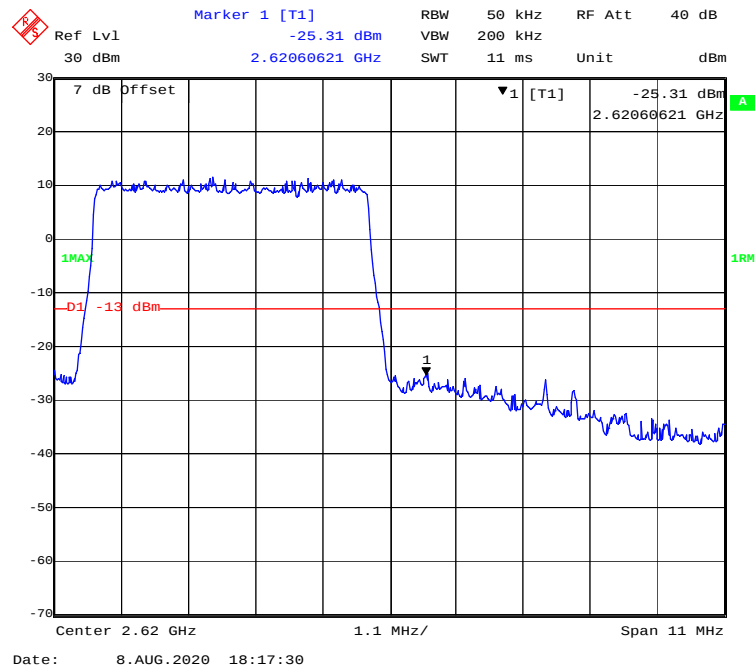


16-QAM (20.0 MHz, FULL RB) - Left Band Edge

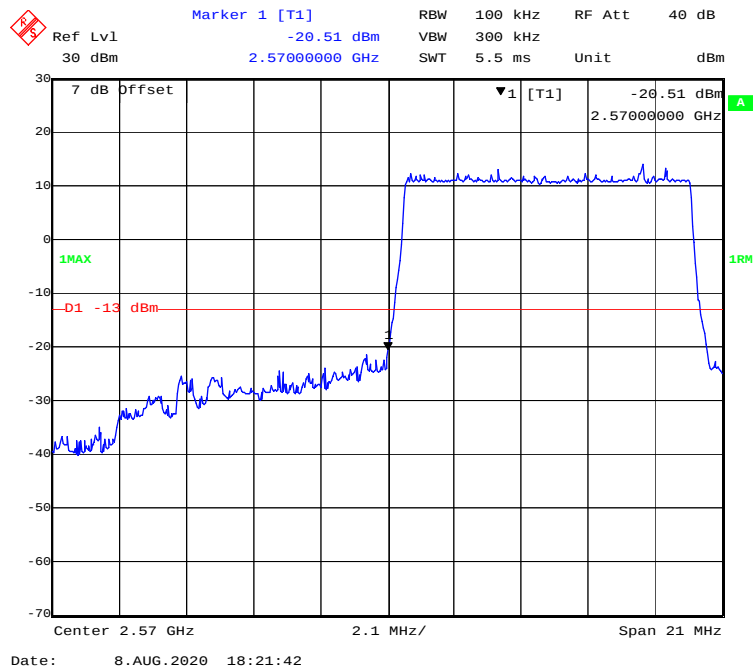


16-QAM (20.0 MHz, FULL RB) - Right Band Edge

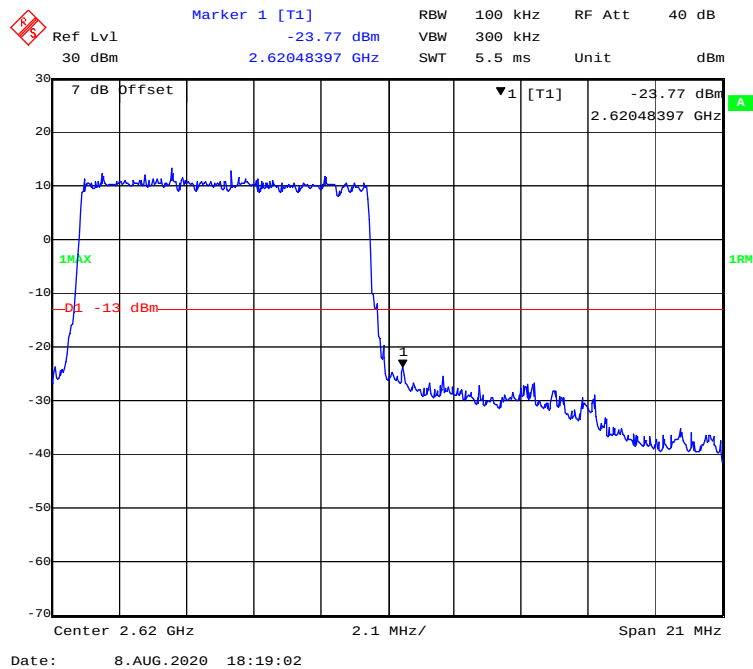


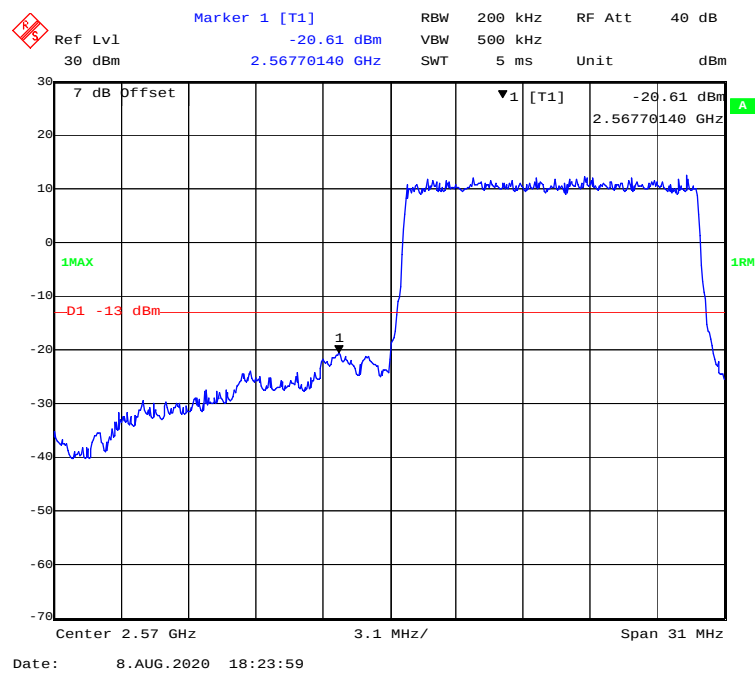
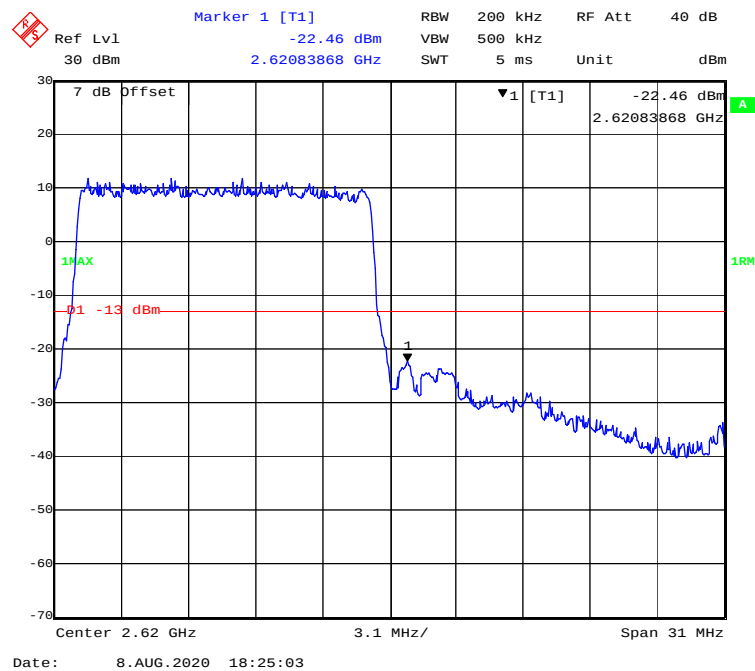
LTE Band 38:**QPSK (5.0 MHz, FULL RB) - Left Band Edge****QPSK (5.0 MHz, FULL RB) - Right Band Edge**

QPSK (10.0 MHz, FULL RB) - Left Band Edge

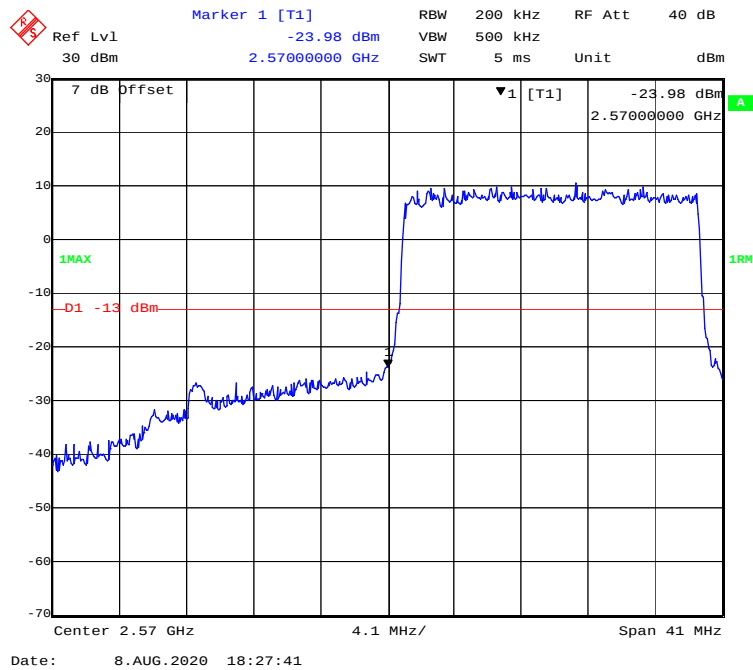


QPSK (10.0 MHz, FULL RB) - Right Band Edge

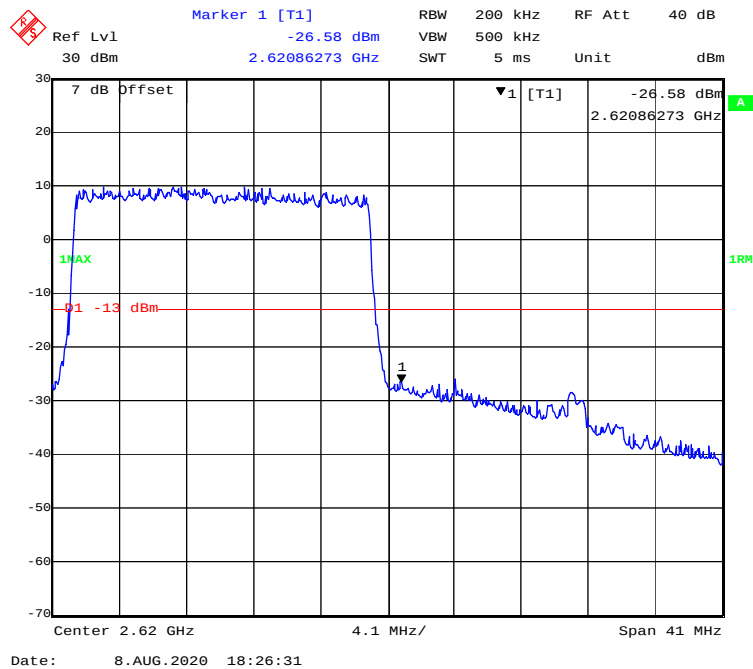


QPSK (15.0 MHz, FULL RB) - Left Band Edge**QPSK (15.0 MHz, FULL RB) - Right Band Edge**

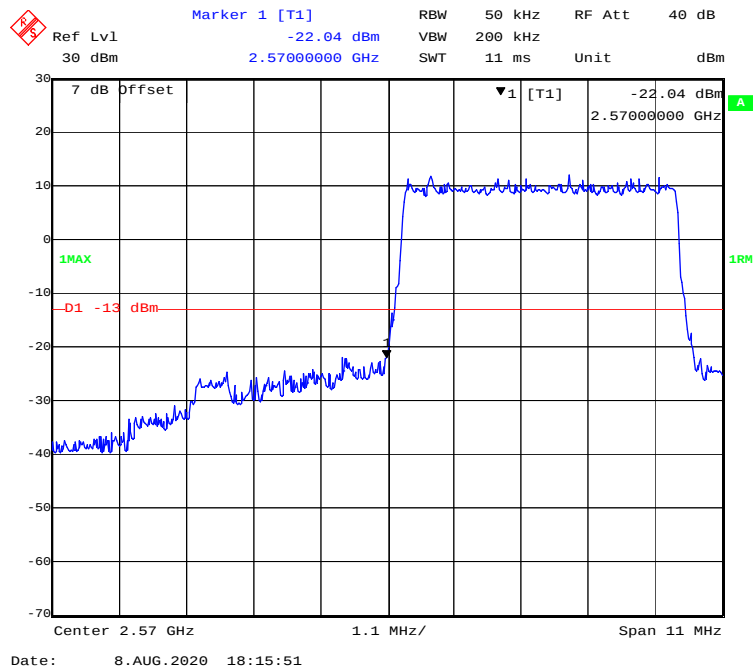
QPSK (20.0 MHz, FULL RB) - Left Band Edge



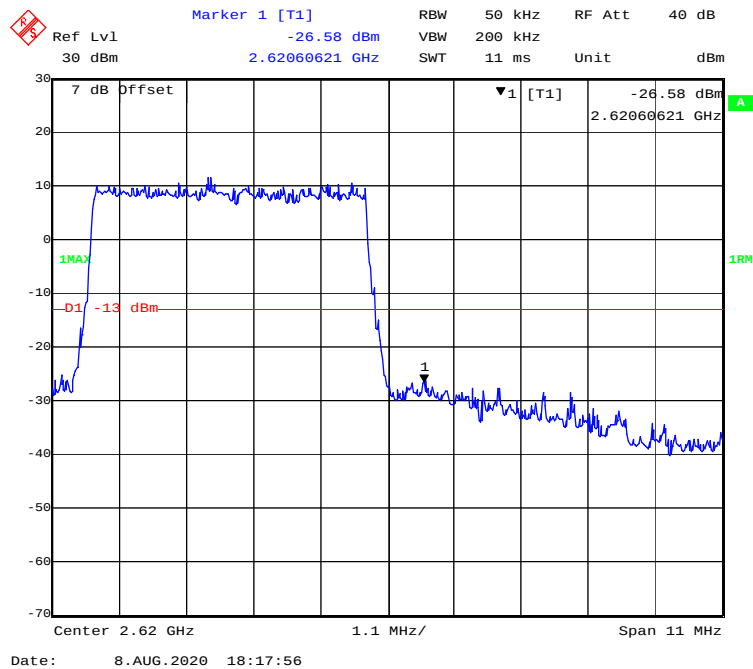
QPSK (20.0 MHz, FULL RB) - Right Band Edge



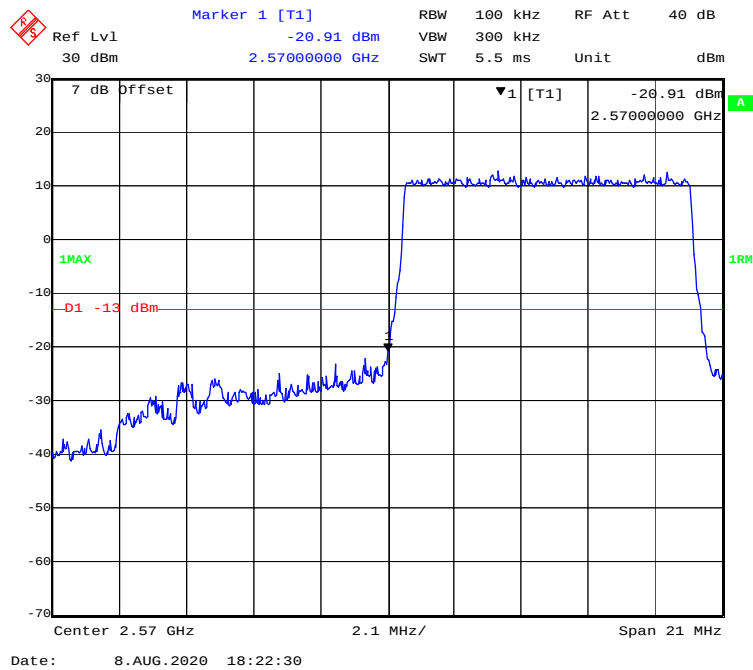
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



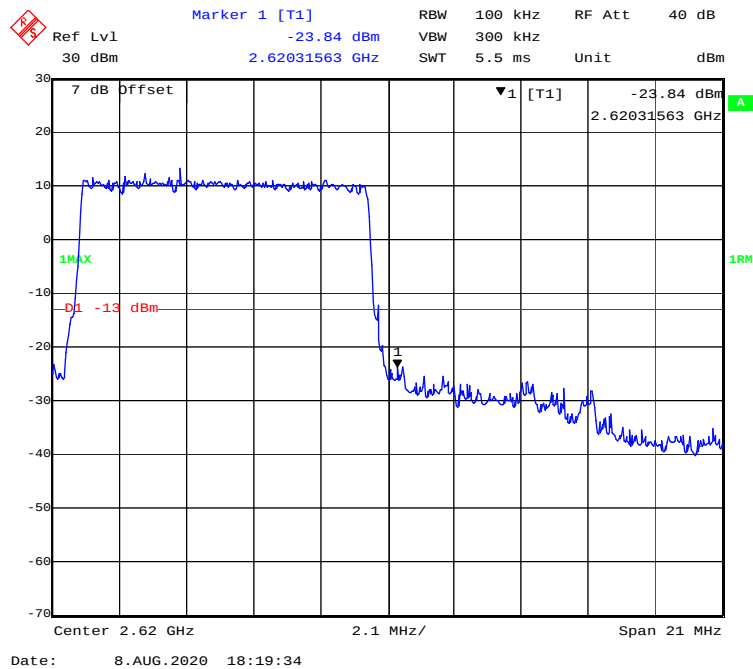
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



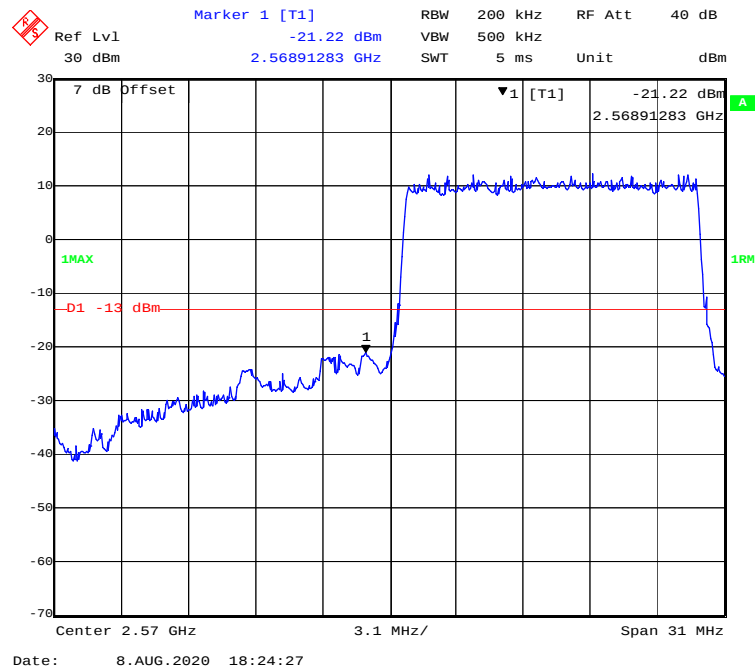
16-QAM (10.0 MHz, FULL RB) - Left Band Edge



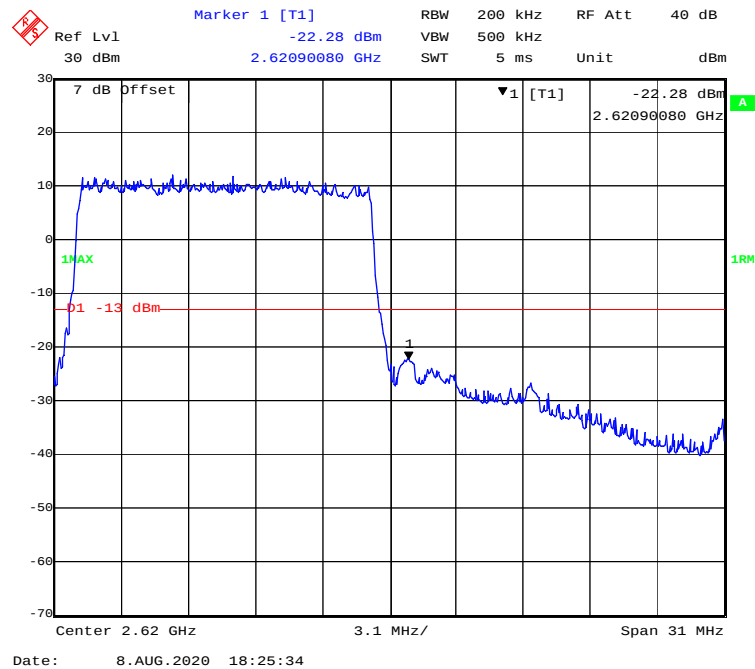
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



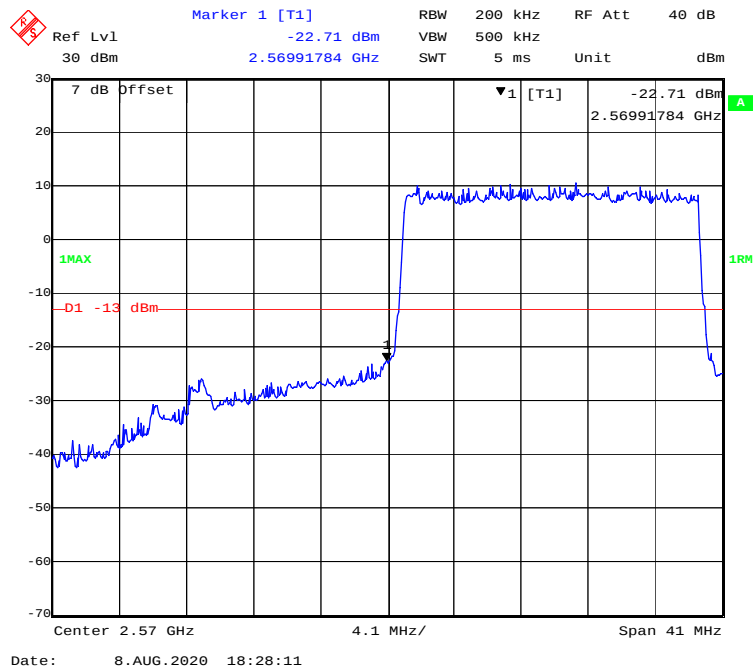
16-QAM (15.0 MHz, FULL RB) - Left Band Edge



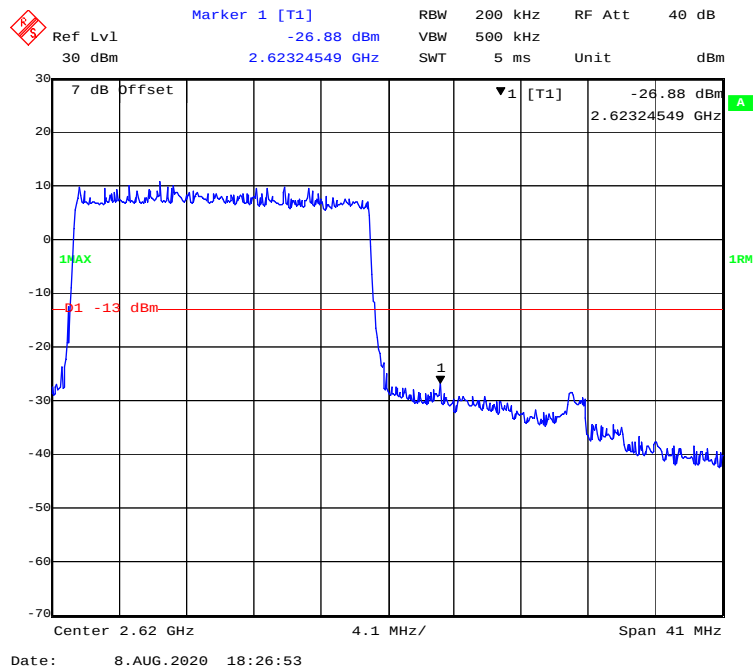
16-QAM (15.0 MHz, FULL RB) - Right Band Edge

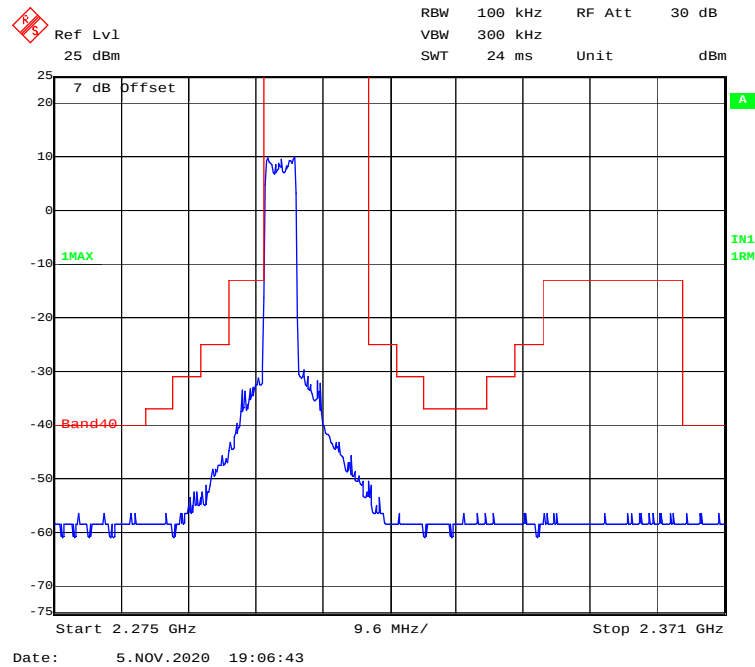
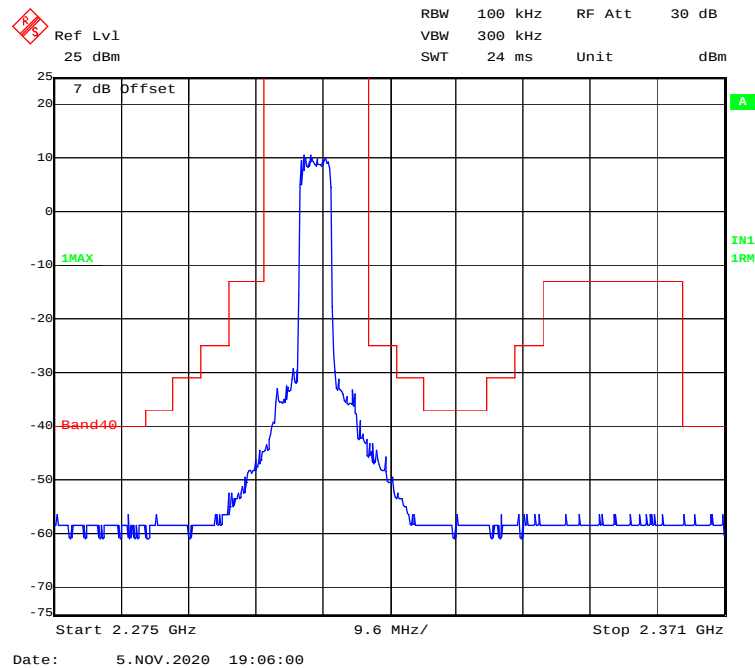


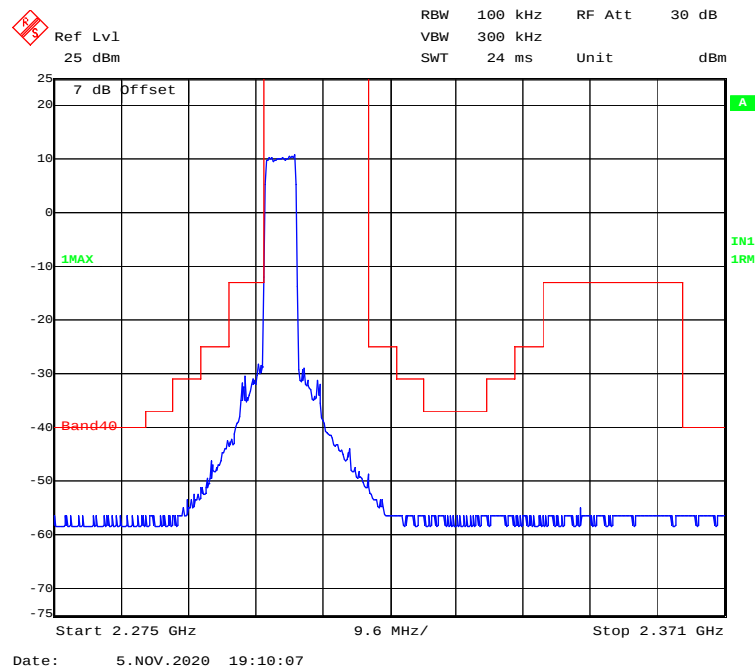
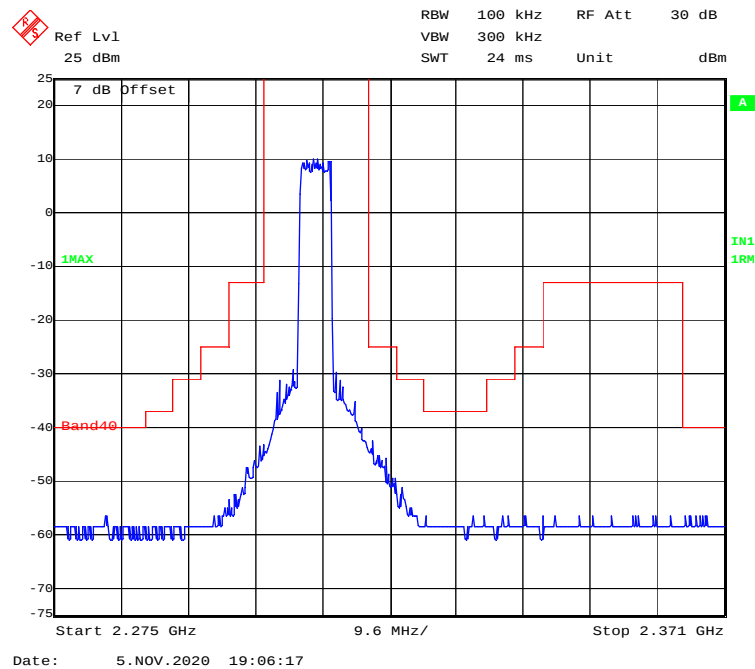
16-QAM (20.0 MHz, FULL RB) - Left Band Edge



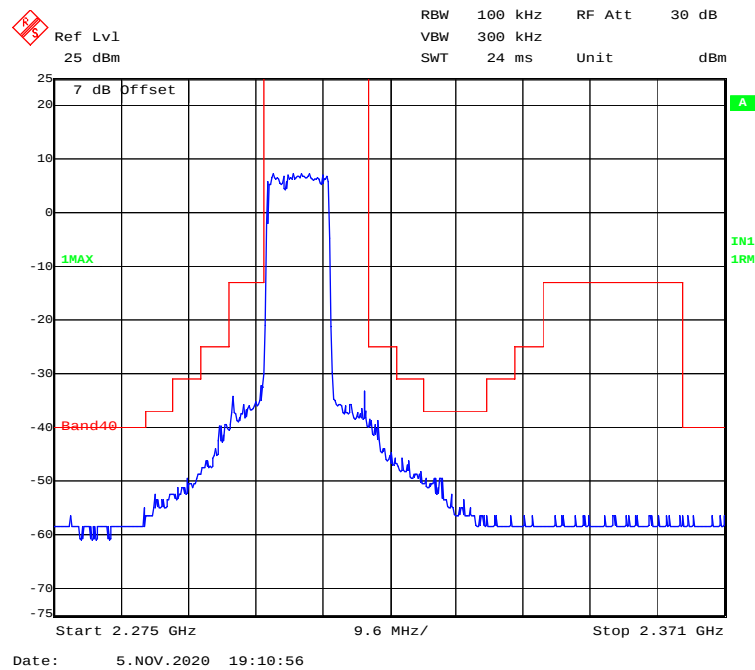
16-QAM (20.0 MHz, FULL RB) - Right Band Edge



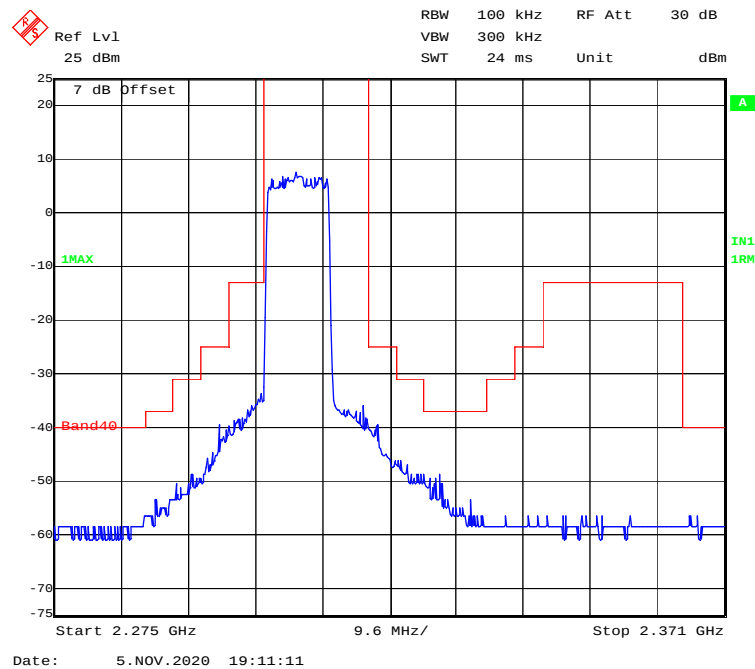
LTE Band 40:**2305-2315MHz****QPSK (5.0 MHz, FULL RB) - Left Band Edge****QPSK (5.0 MHz, FULL RB) - Right Band Edge**

16-QAM (5.0 MHz, FULL RB) - Left Band Edge**16-QAM (5.0 MHz, FULL RB) - Right Band Edge**

QPSK (10.0 MHz, FULL RB) Band Edge

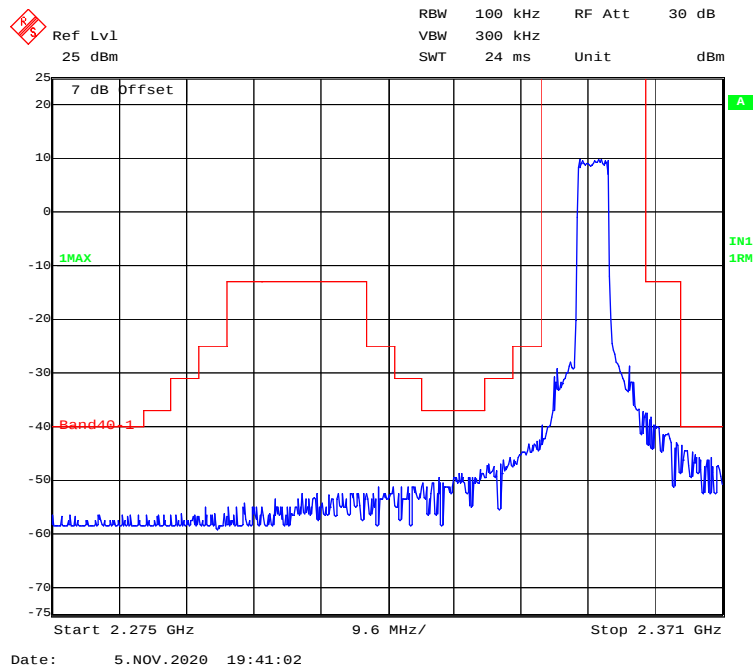


16-QAM (10.0 MHz, FULL RB) Band Edge

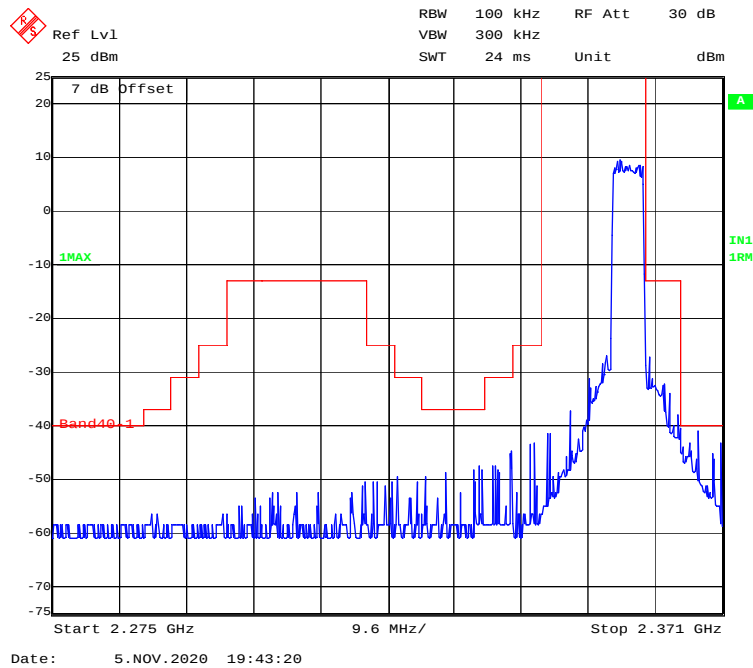


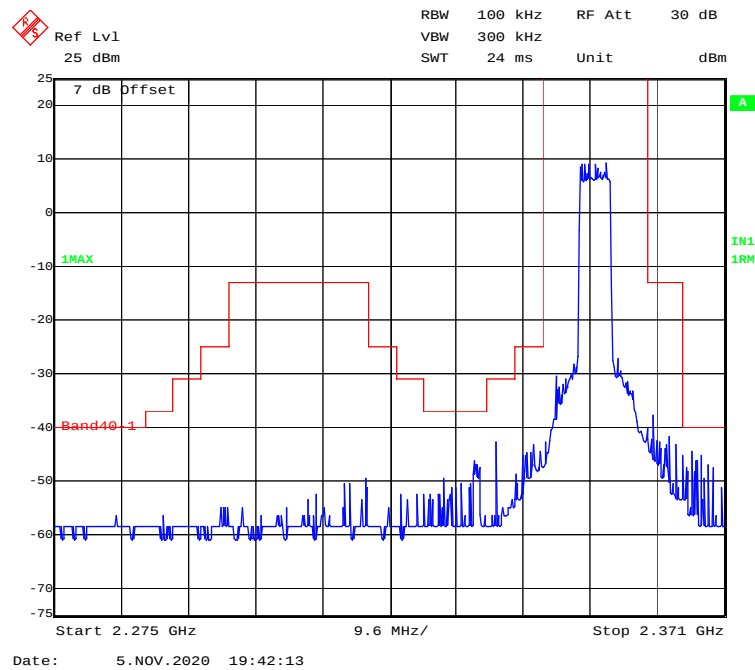
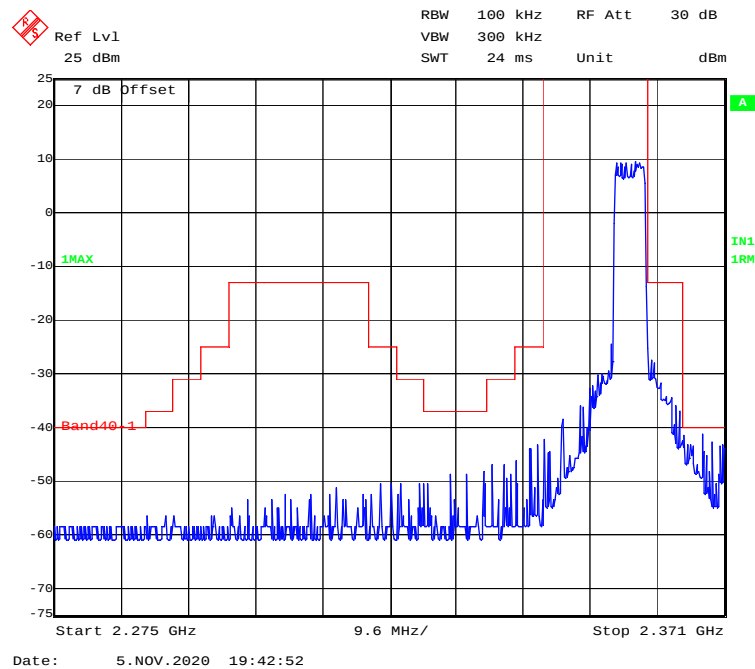
2350-2360MHz

QPSK (5.0 MHz, FULL RB) - Left Band Edge

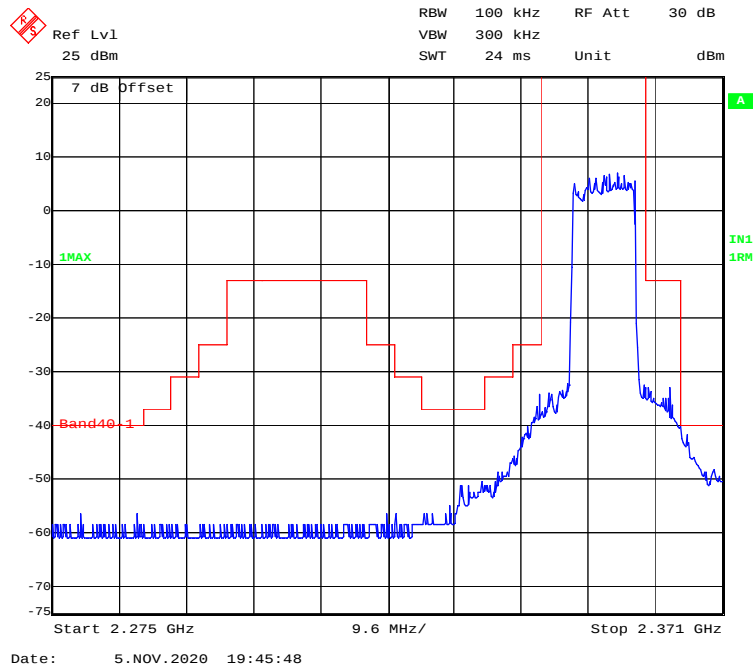


QPSK (5.0 MHz, FULL RB) - Right Band Edge

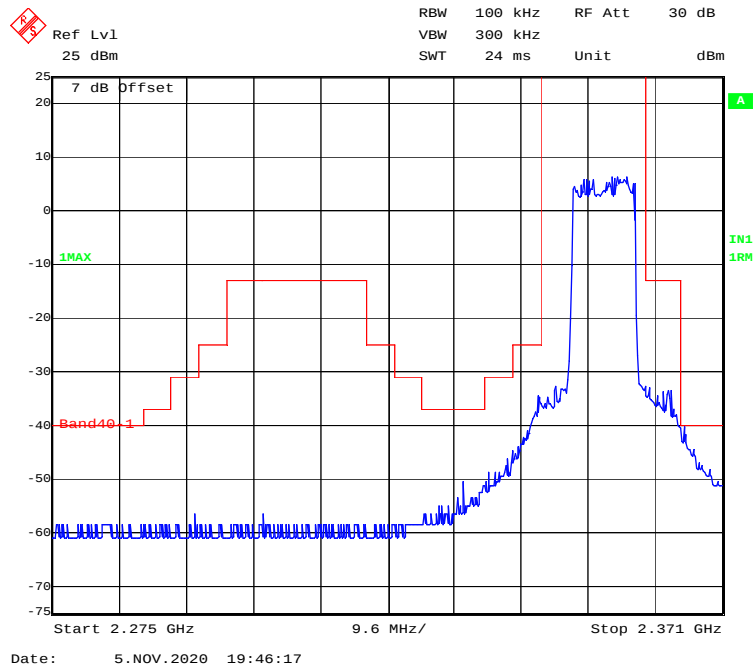


16-QAM (5.0 MHz, FULL RB) - Left Band Edge**16-QAM (5.0 MHz, FULL RB) - Right Band Edge**

QPSK (10.0 MHz, FULL RB) Band Edge

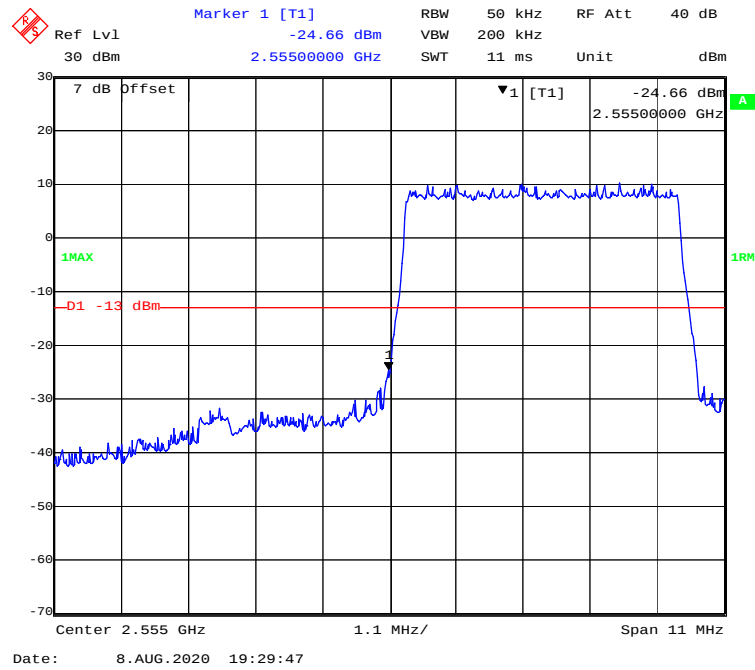


16-QAM (10.0 MHz, FULL RB) Band Edge

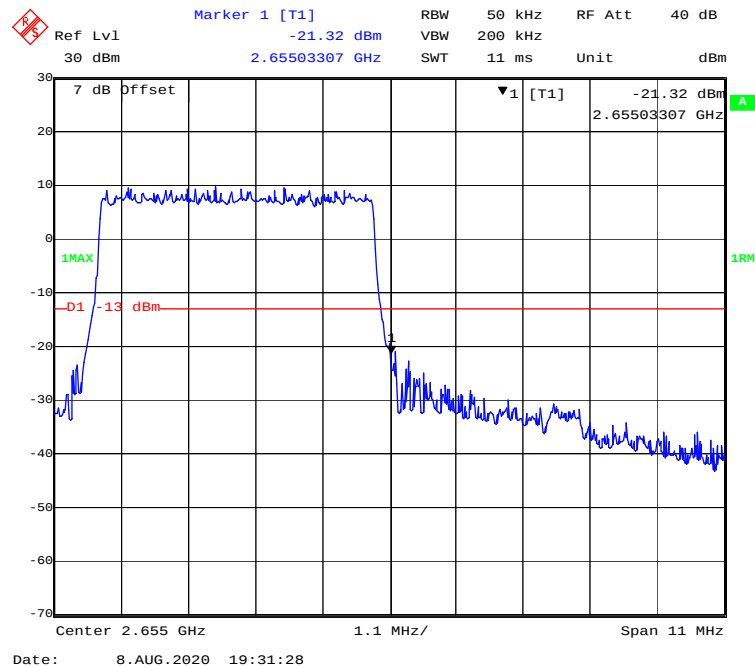


LTE Band 41:

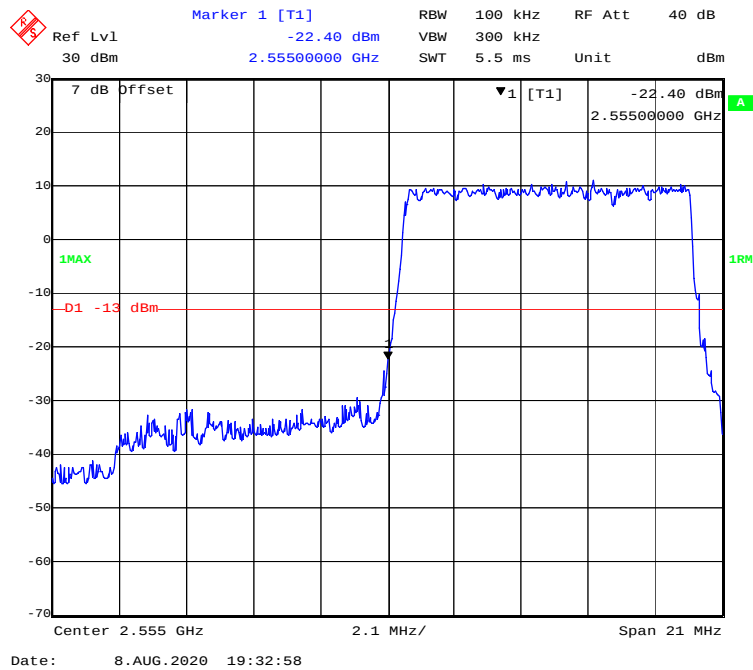
QPSK (5.0 MHz, FULL RB) - Left Band Edge



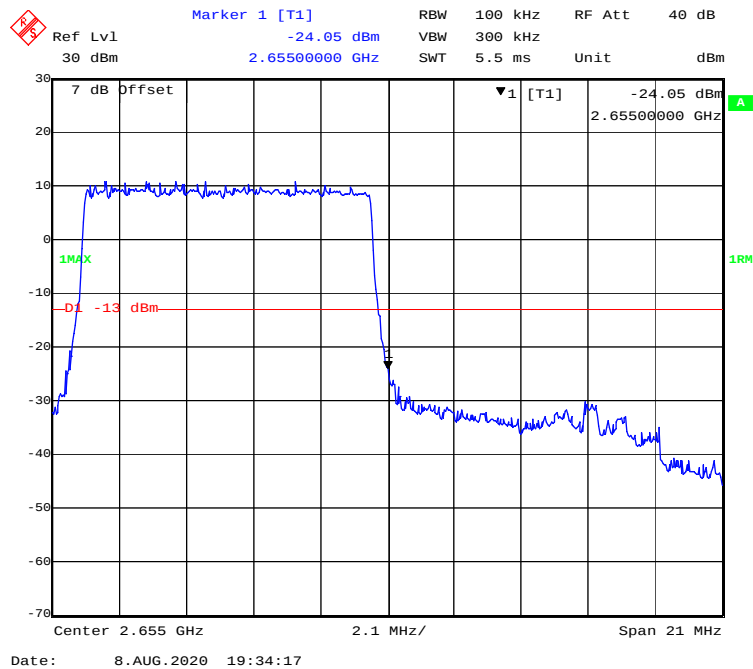
QPSK (5.0 MHz, FULL RB) - Right Band Edge



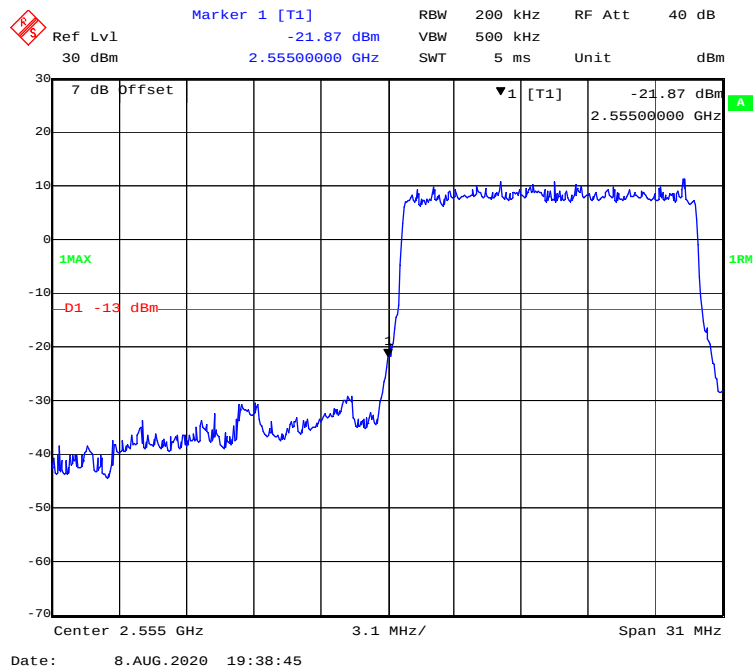
QPSK (10.0 MHz, FULL RB) - Left Band Edge



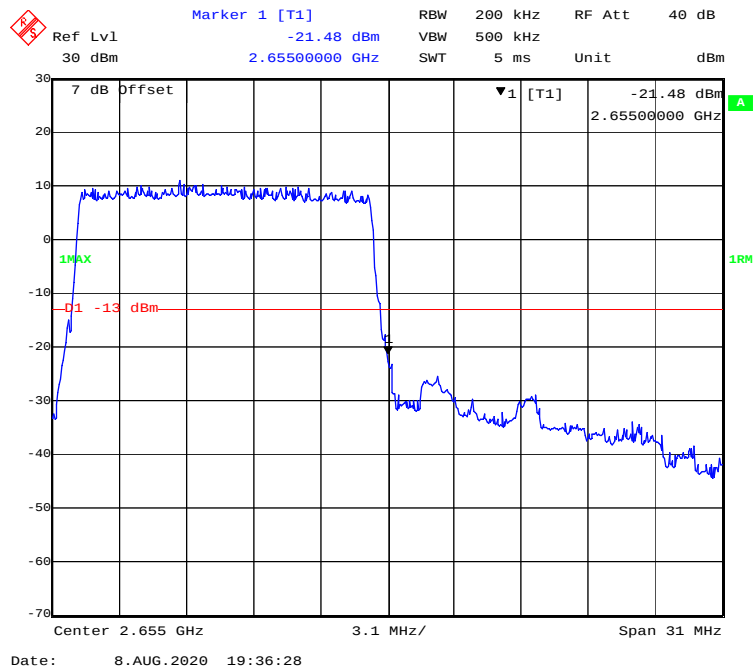
QPSK (10.0 MHz, FULL RB) - Right Band Edge



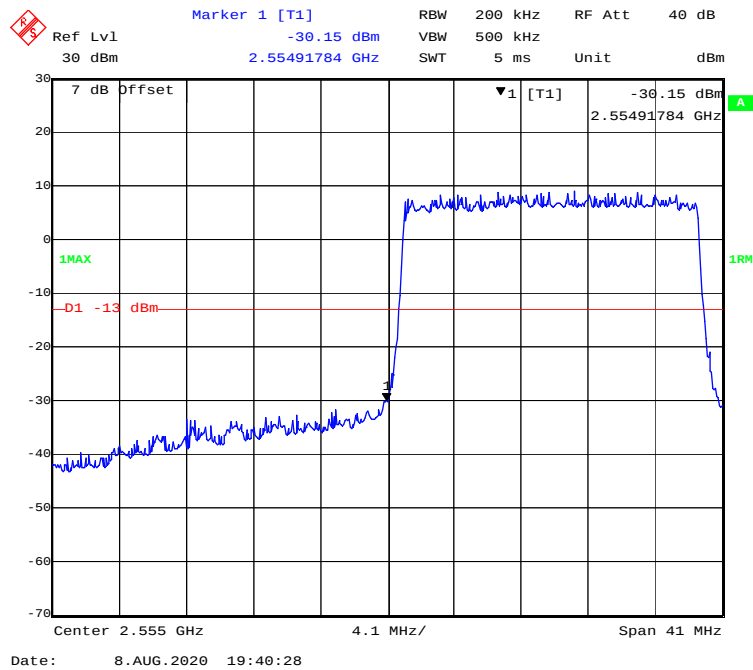
QPSK (15.0 MHz, FULL RB) - Left Band Edge



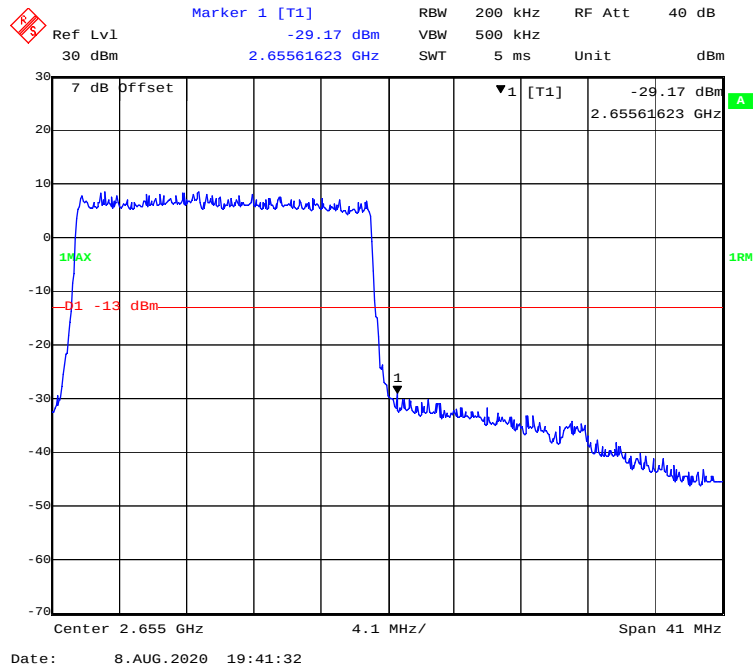
QPSK (15.0 MHz, FULL RB) - Right Band Edge



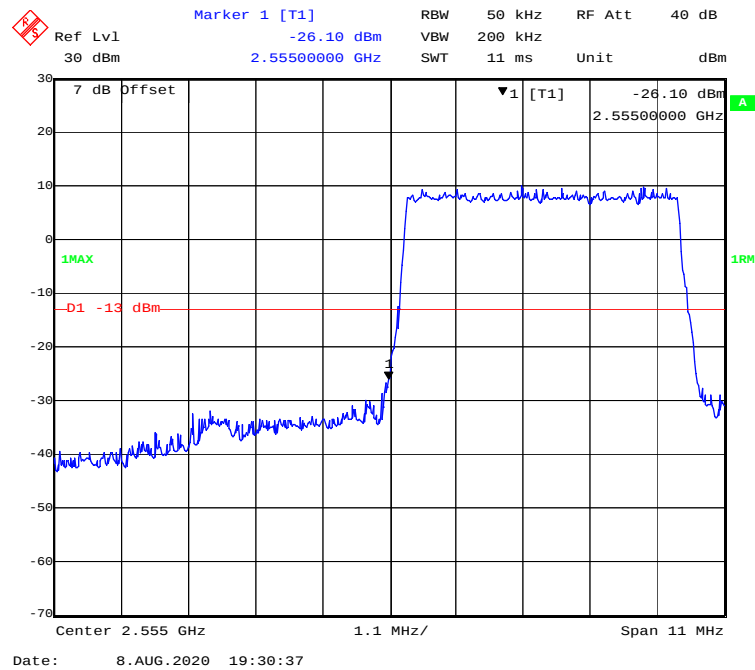
QPSK (20.0 MHz, FULL RB) - Left Band Edge



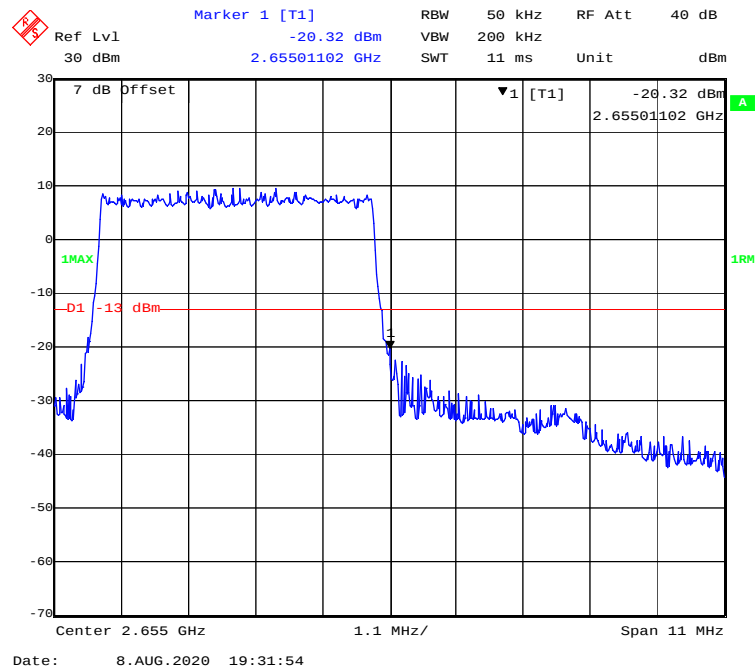
QPSK (20.0 MHz, FULL RB) - Right Band Edge



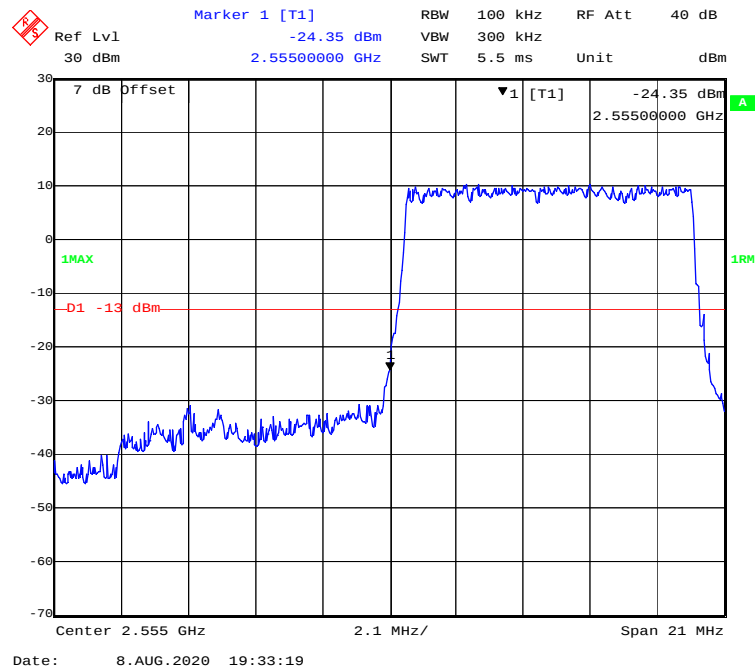
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



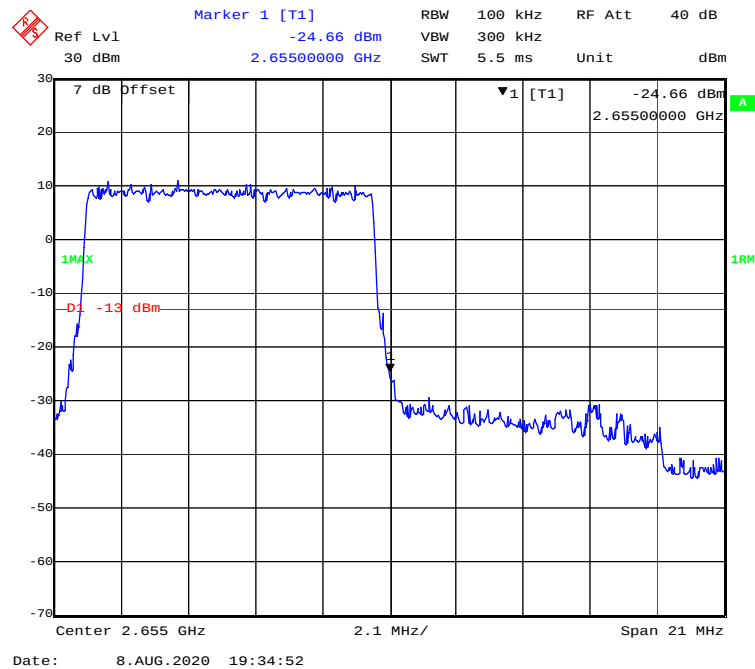
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



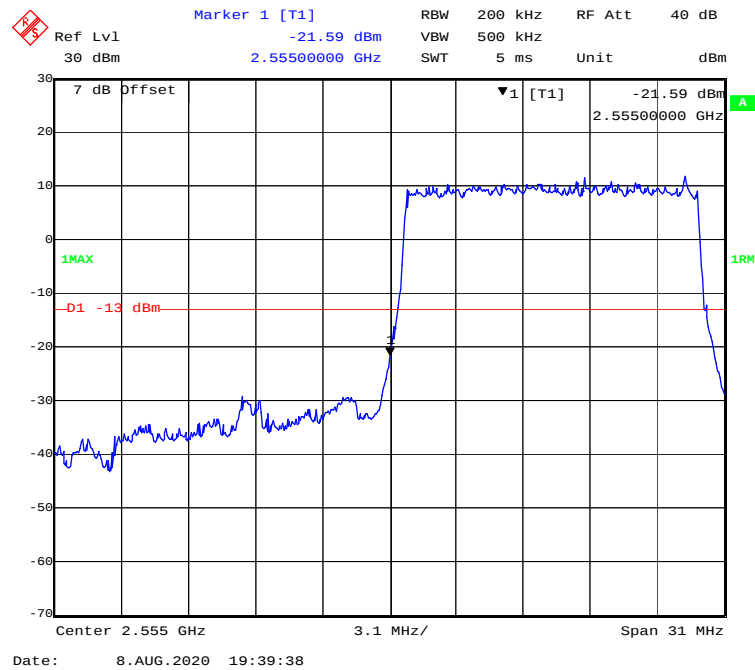
16-QAM (10.0 MHz, FULL RB) - Left Band Edge



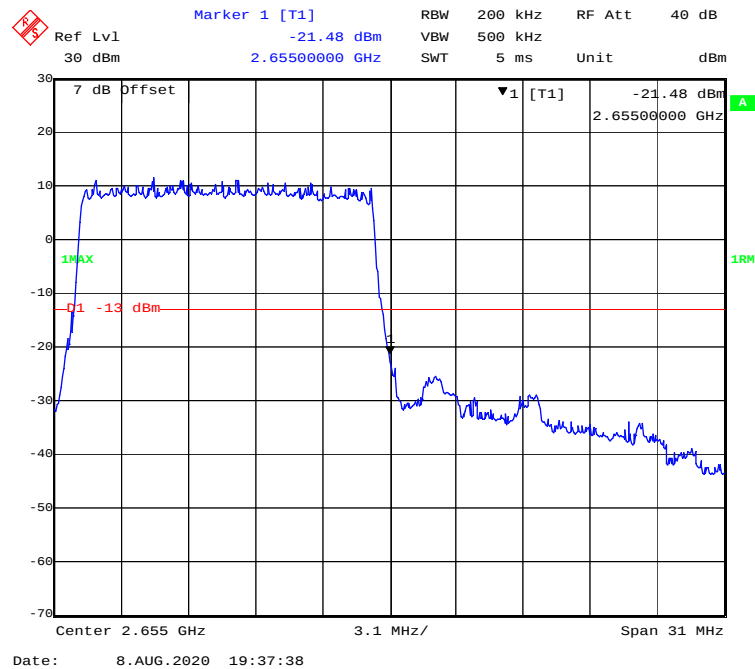
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



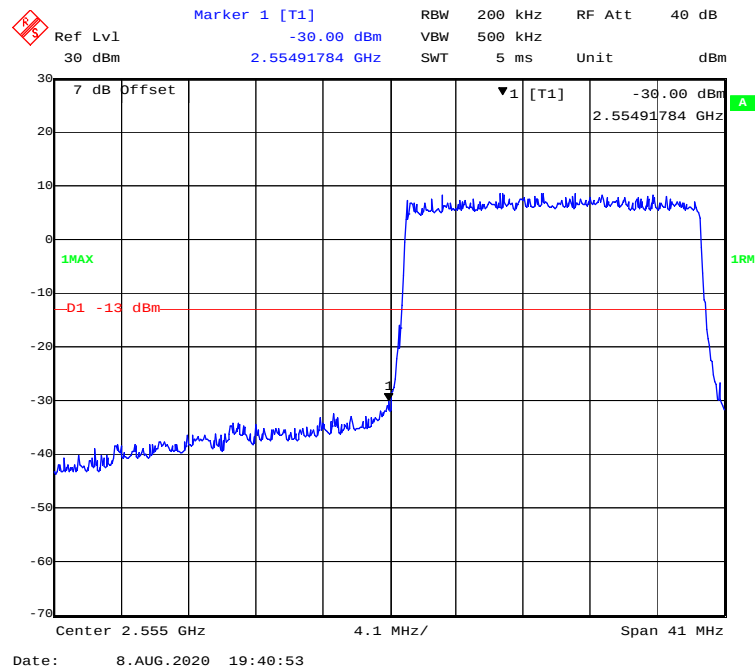
16-QAM (15.0 MHz, FULL RB) - Left Band Edge



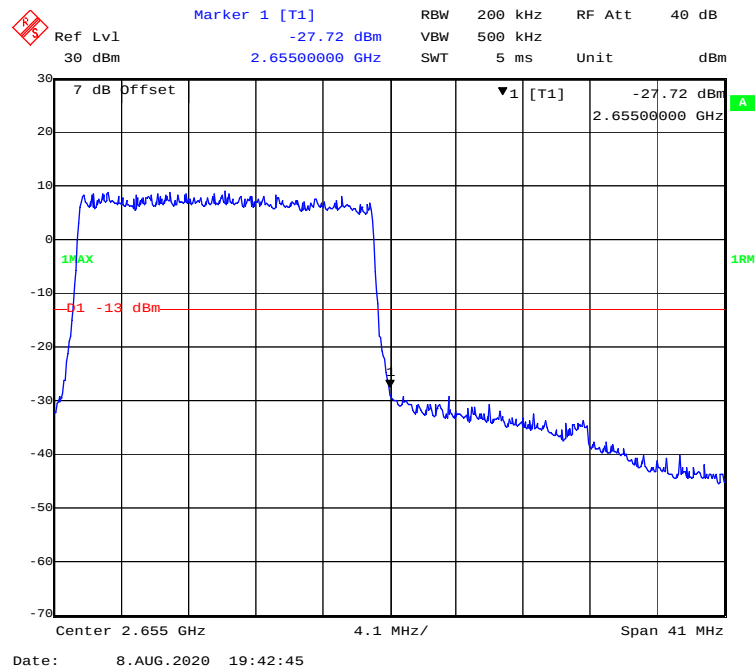
16-QAM (15.0 MHz, FULL RB) - Right Band Edge



16-QAM (20.0 MHz, FULL RB) - Left Band Edge



16-QAM (20.0 MHz, FULL RB) - Right Band Edge



FCC § 2.1055; § 22.355; § 24.235; §27.54- FREQUENCY STABILITY

Applicable Standards

FCC § 2.1055, §22.355, §24.235 and §27.54.

According to FCC §2.1055, the frequency stability shall be sufficient to ensure that the fundamental emissions stay within the authorized bands of operation.

According to §22.355, the carrier frequency of each transmitter in the Public Mobile Services must be maintained within the tolerances given in Table below:

Frequency Tolerance for Transmitters in the Public Mobile Services

Frequency Range (MHz)	Base, fixed (ppm)	Mobile > 3 watts (ppm)	Mobile ≤ 3 watts (ppm)
25 to 50	20.0	20.0	50.0
50 to 450	5.0	5.0	50.0
450 to 512	2.5	5.0	5.0
821 to 896	1.5	2.5	2.5
928 to 929.	5.0	N/A	N/A
929 to 960.	1.5	N/A	N/A
2110 to 2220	10.0	N/A	N/A

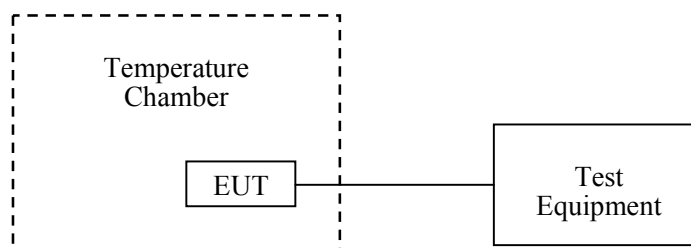
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

Test Procedure

Frequency Stability vs. Temperature: The equipment under test was connected to an external DC power supply and the RF output was connected to communication test set via feed-through attenuators. The EUT was placed inside the temperature chamber. The DC leads and RF output cable exited the chamber through an opening made for the purpose.

After the temperature stabilized for approximately 20 minutes, the frequency output was recorded from the communication test set.

Frequency Stability vs. Voltage: For hand carried, battery powered equipment; reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.



Test Data**Environmental Conditions**

Temperature:	24.9 °C
Relative Humidity:	52 %
ATM Pressure:	101.9 kPa

The testing was performed by CK Huang on 2020-08-12.

EUT operation mode: Transmitting

Test Result: Compliant.

Model: L1563

GPRS 850 Band:

GPRS Mode, Middle Channel, $f_0=836.6$ MHz				
Temperature (°C)	Power Supplied (V _{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	120	15	0.01793	2.5
-20		12	0.01434	2.5
-10		11	0.01315	2.5
0		8	0.00956	2.5
10		7	0.00837	2.5
20		12	0.01434	2.5
30		8	0.00956	2.5
40		7	0.00837	2.5
50		9	0.01076	2.5
20	V min.= 102	12	0.01434	2.5
20	V max.= 138	11	0.01315	2.5

EGPRS Mode, Middle Channel, $f_0 = 836.6$ MHz				
Temperature (°C)	Power Supplied (V _{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	120	16	0.01913	2.5
-20		13	0.01554	2.5
-10		12	0.01434	2.5
0		10	0.01195	2.5
10		9	0.01076	2.5
20		10	0.01195	2.5
30		7	0.00837	2.5
40		6	0.00717	2.5
50		9	0.01076	2.5
20	V min.= 102	12	0.01434	2.5
20	V max.= 138	11	0.01315	2.5

WCDMA Band V:

WCDMA Mode, Middle Channel, $f_0 = 836.6$ MHz				
Temperature (°C)	Power Supplied (V _{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	120	14	0.0167	2.5
-20		5	0.0060	2.5
-10		13	0.0155	2.5
0		11	0.0131	2.5
10		9	0.0108	2.5
20		8	0.0096	2.5
30		10	0.0120	2.5
40		6	0.0072	2.5
50		9	0.0108	2.5
20	V min.= 102	13	0.0155	2.5
20	V max.= 138	9	0.0108	2.5

PCS 1900 Band

GPRS Mode, Middle Channel, $f_o=1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	-10	-0.00532	pass
-20		-9	-0.00479	pass
-10		-5	-0.00266	pass
0		-4	-0.00213	pass
10		-10	-0.00532	pass
20		-4	-0.00213	pass
30		-4	-0.00213	pass
40		-11	-0.00585	pass
50		-10	-0.00532	pass
20	V min.=102	-11	-0.00585	pass
20	V max.= 138	-6	-0.00319	pass

EGPRS Mode, Middle Channel, $f_o=1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	-9	-0.00479	pass
-20		-7	-0.00372	pass
-10		-5	-0.00266	pass
0		-4	-0.00213	pass
10		-1	-0.00053	pass
20		1	0.00053	pass
30		-6	-0.00319	pass
40		-2	-0.00106	pass
50		-10	-0.00532	pass
20	V min.= 102	-8	-0.00426	pass
20	V max.= 138	-7	-0.00372	pass

WCDMA Band II:

WCDMA Mode, Middle Channel, $f_0 = 1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	-2	-0.0011	pass
-20		-8	-0.0043	pass
-10		-4	-0.0021	pass
0		-3	-0.0016	pass
10		2	0.0011	pass
20		-7	-0.0037	pass
30		3	0.0016	pass
40		-11	-0.0059	pass
50		-8	-0.0043	pass
20	V min.= 102	-7	-0.0037	pass
20	V max.= 138	-10	-0.0053	pass

LTE Band 2:

f₀ =1880.0 MHz (QPSK)				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	18	0.0215	Pass
-20		15	0.0179	Pass
-10		14	0.0167	Pass
0		13	0.0155	Pass
10		10	0.0120	Pass
20		8	0.0096	Pass
30		6	0.0072	Pass
40		9	0.0108	Pass
50		9	0.0108	Pass
20	V min.= 102	11	0.0132	Pass
20	V max.= 138	10	0.0120	Pass

f₀ =1880.0 MHz (16-QAM)				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	20	0.0239	Pass
-20		18	0.0215	Pass
-10		16	0.0191	Pass
0		13	0.0155	Pass
10		9	0.0108	Pass
20		12	0.0143	Pass
30		10	0.0120	Pass
40		8	0.0096	Pass
50		9	0.0108	Pass
20	V min.= 102	11	0.0132	Pass
20	V max.= 138	13	0.0155	Pass

LTE Band 4:

Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	1710.0467	1754.9694	1710	1755
-20		1710.0477	1754.9672	1710	1755
-10		1710.0441	1754.9603	1710	1755
0		1710.0450	1754.9700	1710	1755
10		1710.0455	1754.9604	1710	1755
20		1710.0474	1754.9609	1710	1755
30		1710.0496	1754.9664	1710	1755
40		1710.0435	1754.9678	1710	1755
50		1710.0430	1754.9654	1710	1755
20	V min.= 102	1710.0403	1754.9698	1710	1755
20	V max.= 138	1710.0444	1754.9695	1710	1755

Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	1710.0468	1754.9606	1710	1755
-20		1710.0456	1754.9675	1710	1755
-10		1710.0492	1754.9673	1710	1755
0		1710.0438	1754.9630	1710	1755
10		1710.0464	1754.9634	1710	1755
20		1710.0474	1754.9652	1710	1755
30		1710.0408	1754.9667	1710	1755
40		1710.0401	1754.9612	1710	1755
50		1710.0467	1754.9676	1710	1755
20	V min.= 102	1710.0478	1754.9643	1710	1755
20	V max.= 138	1710.0496	1754.9673	1710	1755

LTE Band 5:

Middle Channel, $f_0 = 836.5$ MHz (QPSK)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{AC})	(Hz)	(ppm)	(ppm)
-30	120	18	0.0215	2.5
-20		15	0.0179	2.5
-10		14	0.0167	2.5
0		13	0.0155	2.5
10		10	0.0120	2.5
20		8	0.0096	2.5
30		6	0.0072	2.5
40		9	0.0108	2.5
50		9	0.0108	2.5
20	V min.=102	11	0.0132	2.5
20	V max.= 138	10	0.0120	2.5

Middle Channel, $f_0 = 836.5$ MHz (16-QAM)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{AC})	(Hz)	(ppm)	(ppm)
-30	120	20	0.0239	2.5
-20		18	0.0215	2.5
-10		16	0.0191	2.5
0		13	0.0155	2.5
10		9	0.0108	2.5
20		12	0.0143	2.5
30		10	0.0120	2.5
40		8	0.0096	2.5
50		9	0.0108	2.5
20	V min.= 102	11	0.0132	2.5
20	V max.= 138	13	0.0155	2.5

LTE Band 7:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2500.0466	2569.9563	2500	2570
-20		2500.0427	2569.9558	2500	2570
-10		2500.0431	2569.9509	2500	2570
0		2500.0458	2569.9593	2500	2570
10		2500.0487	2569.9506	2500	2570
20		2500.0427	2569.9505	2500	2570
30		2500.0442	2569.9526	2500	2570
40		2500.0422	2569.9501	2500	2570
50		2500.0407	2569.9547	2500	2570
20	V min.= 102	2500.0473	2569.9515	2500	2570
20	V max.= 138	2500.0493	2569.9524	2500	2570

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2500.0453	2569.9528	2500	2570
-20		2500.0437	2569.9589	2500	2570
-10		2500.0405	2569.9544	2500	2570
0		2500.0409	2569.9550	2500	2570
10		2500.0481	2569.9594	2500	2570
20		2500.0404	2569.9536	2500	2570
30		2500.0462	2569.9571	2500	2570
40		2500.0474	2569.9598	2500	2570
50		2500.0423	2569.9560	2500	2570
20	V min.= 102	2500.0470	2569.9526	2500	2570
20	V max.= 138	2500.0479	2569.9558	2500	2570

LTE Band 38:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2570.0479	2619.9647	2570	2620
-20		2570.0475	2619.9606	2570	2620
-10		2570.0434	2619.9621	2570	2620
0		2570.0445	2619.9609	2570	2620
10		2570.0420	2619.9634	2570	2620
20		2570.0477	2619.9657	2570	2620
30		2570.0414	2619.9616	2570	2620
40		2570.0466	2619.9619	2570	2620
50		2570.0471	2619.9613	2570	2620
20	V min.=102	2570.0461	2619.9661	2570	2620
20	V max.= 138	2570.0452	2619.9688	2570	2620

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2570.0413	2619.9633	2570	2620
-20		2570.0488	2619.9629	2570	2620
-10		2570.0477	2619.9687	2570	2620
0		2570.0432	2619.9696	2570	2620
10		2570.0414	2619.9653	2570	2620
20		2570.0466	2619.9643	2570	2620
30		2570.0466	2619.9668	2570	2620
40		2570.0490	2619.9630	2570	2620
50		2570.0490	2619.9647	2570	2620
20	V min.= 102	2570.0406	2619.9635	2570	2620
20	V max.=138	2570.0470	2619.9614	2570	2620

LTE Band 40:**2305-2315MHz**

Low Channel & High Channel (QPSK) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2305.053	2314.952	2305	2315
-20		2305.051	2314.951	2305	2315
-10		2305.056	2314.95	2305	2315
0		2305.055	2314.95	2305	2315
10		2305.058	2314.952	2305	2315
20		2305.054	2314.958	2305	2315
30		2305.052	2314.959	2305	2315
40		2305.051	2314.952	2305	2315
50		2305.051	2314.954	2305	2315
20	V min.= 102	2305.054	2314.953	2305	2315
20	V max.= 138	2305.051	2314.957	2305	2315

Low Channel & High Channel (16-QAM) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2305.055	2314.958	2305	2315
-20		2305.053	2314.958	2305	2315
-10		2305.055	2314.952	2305	2315
0		2305.053	2314.956	2305	2315
10		2305.052	2314.956	2305	2315
20		2305.058	2314.958	2305	2315
30		2305.055	2314.951	2305	2315
40		2305.053	2314.959	2305	2315
50		2305.059	2314.955	2305	2315
20	V min.= 102	2305.059	2314.96	2305	2315
20	V max.= 138	2305.059	2314.959	2305	2315

2350-2360MHz

Low Channel & High Channel (QPSK) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2350.059	2359.959	2350	2360
-20		2350.051	2359.954	2350	2360
-10		2350.060	2359.958	2350	2360
0		2350.055	2359.955	2350	2360
10		2350.059	2359.96	2350	2360
20		2350.057	2359.958	2350	2360
30		2350.059	2359.955	2350	2360
40		2350.057	2359.950	2350	2360
50		2350.056	2359.956	2350	2360
20	V min.=102	2350.059	2359.957	2350	2360
20	V max.= 138	2350.057	2359.955	2350	2360

Low Channel & High Channel (16-QAM) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2350.056	2359.954	2350	2360
-20		2350.050	2359.959	2350	2360
-10		2350.050	2359.956	2350	2360
0		2350.051	2359.954	2350	2360
10		2350.059	2359.952	2350	2360
20		2350.059	2359.956	2350	2360
30		2350.056	2359.951	2350	2360
40		2350.055	2359.959	2350	2360
50		2350.060	2359.958	2350	2360
20	V min.= 102	2350.059	2359.960	2350	2360
20	V max.= 138	2350.052	2359.951	2350	2360

LTE Band 41:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2555.0547	2654.9599	2555	2655
-20		2555.0518	2654.9551	2555	2655
-10		2555.0560	2654.9592	2555	2655
0		2555.0516	2654.9531	2555	2655
10		2555.0506	2654.9599	2555	2655
20		2555.0568	2654.9519	2555	2655
30		2555.0582	2654.9528	2555	2655
40		2555.0560	2654.9575	2555	2655
50		2555.0577	2654.9517	2555	2655
20	V min.= 102	2555.0542	2654.9585	2555	2655
20	V max.= 138	2555.0512	2654.9553	2555	2655

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2555.0528	2654.9584	2555	2655
-20		2555.0583	2654.9508	2555	2655
-10		2555.0546	2654.9501	2555	2655
0		2555.0508	2654.9568	2555	2655
10		2555.0574	2654.9545	2555	2655
20		2555.0589	2654.9596	2555	2655
30		2555.0600	2654.9589	2555	2655
40		2555.0578	2654.9500	2555	2655
50		2555.0526	2654.9570	2555	2655
20	V min.= 102	2555.0527	2654.9564	2555	2655
20	V max.= 138	2555.0584	2654.9594	2555	2655

Model: L1573**GPRS 850 Band:**

GPRS Mode, Middle Channel, $f_o = 836.6$ MHz				
Temperature (°C)	Power Supplied (V _{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	120	16	0.01913	2.5
-20		13	0.01554	2.5
-10		10	0.01195	2.5
0		9	0.01076	2.5
10		8	0.00956	2.5
20		11	0.01315	2.5
30		7	0.00837	2.5
40		8	0.00956	2.5
50		8	0.00956	2.5
20	V min.= 102	11	0.01315	2.5
20	V max.= 138	13	0.01554	2.5

EGPRS Mode, Middle Channel, $f_0 = 836.6$ MHz				
Temperature (°C)	Power Supplied (V _{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	120	15	0.01793	2.5
-20		14	0.01673	2.5
-10		13	0.01554	2.5
0		11	0.01315	2.5
10		10	0.01195	2.5
20		11	0.01315	2.5
30		8	0.00956	2.5
40		7	0.00837	2.5
50		11	0.01315	2.5
20	V min.= 102	13	0.01554	2.5
20	V max.= 138	14	0.01673	2.5

WCDMA Band V:

WCDMA Mode, Middle Channel, $f_0 = 836.6$ MHz				
Temperature (°C)	Power Supplied (V _{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	120	15	0.01793	2.5
-20		13	0.01554	2.5
-10		13	0.01554	2.5
0		11	0.01315	2.5
10		10	0.01195	2.5
20		9	0.01076	2.5
30		12	0.01434	2.5
40		7	0.00837	2.5
50		8	0.00956	2.5
20	V min.= 102	12	0.01434	2.5
20	V max.= 138	10	0.01195	2.5

PCS 1900 Band

GPRS Mode, Middle Channel, $f_0=1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	-9	-0.00479	pass
-20		-8	-0.00426	pass
-10		-7	-0.00372	pass
0		-6	-0.00319	pass
10		-12	-0.00638	pass
20		-5	-0.00266	pass
30		-6	-0.00319	pass
40		-12	-0.00638	pass
50		-11	-0.00585	pass
20	V min.=102	-8	-0.00426	pass
20	V max.= 138	-7	-0.00372	pass

EGPRS Mode, Middle Channel, $f_0=1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	-8	-0.00426	pass
-20		-9	-0.00479	pass
-10		-7	-0.00372	pass
0		-6	-0.00319	pass
10		-3	-0.00160	pass
20		2	0.00106	pass
30		-7	-0.00372	pass
40		-4	-0.00213	pass
50		-11	-0.00585	pass
20	V min.= 102	-9	-0.00479	pass
20	V max.= 138	-7	-0.00372	pass

WCDMA Band II:

WCDMA Mode, Middle Channel, $f_0 = 1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	-4	-0.00213	pass
-20		-9	-0.00479	pass
-10		-6	-0.00319	pass
0		-5	-0.00266	pass
10		3	0.00160	pass
20		-6	-0.00319	pass
30		5	0.00266	pass
40		-8	-0.00426	pass
50		-9	-0.00479	pass
20	V min.= 102	-10	-0.00532	pass
20	V max.= 138	-11	-0.00585	pass

LTE Band 2:

f₀ =1880.0 MHz (QPSK)				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	21	0.01117	Pass
-20		17	0.00904	Pass
-10		13	0.00691	Pass
0		12	0.00638	Pass
10		11	0.00585	Pass
20		10	0.00532	Pass
30		7	0.00372	Pass
40		8	0.00426	Pass
50		7	0.00372	Pass
20	V min.= 102	10	0.00532	Pass
20	V max.= 138	9	0.00479	Pass

f₀ =1880.0 MHz (16-QAM)				
Temperature (°C)	Power Supplied (V_{AC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	120	18	0.00957	Pass
-20		17	0.00904	Pass
-10		18	0.00957	Pass
0		12	0.00638	Pass
10		10	0.00532	Pass
20		11	0.00585	Pass
30		13	0.00691	Pass
40		12	0.00638	Pass
50		18	0.00957	Pass
20	V min.= 102	12	0.00638	Pass
20	V max.= 138	11	0.00585	Pass

LTE Band 4:

Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	1710.0463	1754.9695	1710	1755
-20		1710.0476	1754.9673	1710	1755
-10		1710.0442	1754.9605	1710	1755
0		1710.0453	1754.9701	1710	1755
10		1710.0454	1754.9603	1710	1755
20		1710.0473	1754.9607	1710	1755
30		1710.0495	1754.9666	1710	1755
40		1710.0433	1754.9677	1710	1755
50		1710.0432	1754.9655	1710	1755
20	V min.= 102	1710.0401	1754.9697	1710	1755
20	V max.= 138	1710.0442	1754.9696	1710	1755

Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	1710.0467	1754.9609	1710	1755
-20		1710.0455	1754.9673	1710	1755
-10		1710.0491	1754.9675	1710	1755
0		1710.0435	1754.9631	1710	1755
10		1710.0463	1754.9635	1710	1755
20		1710.0476	1754.9653	1710	1755
30		1710.0404	1754.9666	1710	1755
40		1710.0402	1754.9618	1710	1755
50		1710.0466	1754.9671	1710	1755
20	V min.= 102	1710.0478	1754.9644	1710	1755
20	V max.= 138	1710.0497	1754.9672	1710	1755

LTE Band 5:

Middle Channel, $f_0 = 836.5$ MHz (QPSK)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{AC})	(Hz)	(ppm)	(ppm)
-30	120	17	0.0203	2.5
-20		16	0.0191	2.5
-10		12	0.0143	2.5
0		11	0.0132	2.5
10		13	0.0155	2.5
20		8	0.0096	2.5
30		8	0.0096	2.5
40		7	0.0084	2.5
50		8	0.0096	2.5
20	V min.=102	10	0.0120	2.5
20	V max.= 138	7	0.0084	2.5

Middle Channel, $f_0 = 836.5$ MHz (16-QAM)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{AC})	(Hz)	(ppm)	(ppm)
-30	120	17	0.0203	2.5
-20		16	0.0191	2.5
-10		15	0.0179	2.5
0		14	0.0167	2.5
10		10	0.0120	2.5
20		9	0.0108	2.5
30		8	0.0096	2.5
40		9	0.0108	2.5
50		11	0.0132	2.5
20	V min.= 102	13	0.0155	2.5
20	V max.= 138	11	0.0132	2.5

LTE Band 7:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2500.0463	2569.9568	2500	2570
-20		2500.0426	2569.9557	2500	2570
-10		2500.0435	2569.9506	2500	2570
0		2500.0454	2569.9595	2500	2570
10		2500.0483	2569.9507	2500	2570
20		2500.0425	2569.9506	2500	2570
30		2500.0441	2569.9528	2500	2570
40		2500.0425	2569.9503	2500	2570
50		2500.0401	2569.9542	2500	2570
20	V min.= 102	2500.0476	2569.9513	2500	2570
20	V max.= 138	2500.0495	2569.9526	2500	2570

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2500.0451	2569.9526	2500	2570
-20		2500.0435	2569.9585	2500	2570
-10		2500.0407	2569.9546	2500	2570
0		2500.0408	2569.9553	2500	2570
10		2500.0483	2569.9597	2500	2570
20		2500.0405	2569.9535	2500	2570
30		2500.0463	2569.9578	2500	2570
40		2500.0477	2569.9597	2500	2570
50		2500.0426	2569.9566	2500	2570
20	V min.= 102	2500.0475	2569.9527	2500	2570
20	V max.= 138	2500.0477	2569.9556	2500	2570

LTE Band 38:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2570.0478	2619.9641	2570	2620
-20		2570.0471	2619.9605	2570	2620
-10		2570.0436	2619.9625	2570	2620
0		2570.0444	2619.9601	2570	2620
10		2570.0423	2619.9636	2570	2620
20		2570.0475	2619.9657	2570	2620
30		2570.0411	2619.9615	2570	2620
40		2570.0463	2619.9617	2570	2620
50		2570.0473	2619.9616	2570	2620
20	V min.=102	2570.0465	2619.9667	2570	2620
20	V max.= 138	2570.0451	2619.9686	2570	2620

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2570.0418	2619.9635	2570	2620
-20		2570.0487	2619.9627	2570	2620
-10		2570.0476	2619.9686	2570	2620
0		2570.0438	2619.9698	2570	2620
10		2570.0417	2619.9654	2570	2620
20		2570.0464	2619.9645	2570	2620
30		2570.0465	2619.9667	2570	2620
40		2570.0493	2619.9633	2570	2620
50		2570.0492	2619.9644	2570	2620
20	V min.= 102	2570.0405	2619.9637	2570	2620
20	V max.=138	2570.0471	2619.9615	2570	2620

LTE Band 40:**2305-2315MHz**

Low Channel & High Channel (QPSK) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2305.051	2314.952	2305	2315
-20		2305.054	2314.952	2305	2315
-10		2305.055	2314.951	2305	2315
0		2305.053	2314.952	2305	2315
10		2305.055	2314.955	2305	2315
20		2305.054	2314.955	2305	2315
30		2305.053	2314.956	2305	2315
40		2305.052	2314.951	2305	2315
50		2305.055	2314.956	2305	2315
20	V min.= 102	2305.053	2314.957	2305	2315
20	V max.= 138	2305.052	2314.956	2305	2315

Low Channel & High Channel (16-QAM) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2305.054	2314.958	2305	2315
-20		2305.053	2314.955	2305	2315
-10		2305.055	2314.956	2305	2315
0		2305.054	2314.957	2305	2315
10		2305.051	2314.958	2305	2315
20		2305.058	2314.957	2305	2315
30		2305.057	2314.955	2305	2315
40		2305.056	2314.955	2305	2315
50		2305.058	2314.953	2305	2315
20	V min.= 102	2305.051	2314.962	2305	2315
20	V max.= 138	2305.053	2314.958	2305	2315

2350-2360MHz

Low Channel & High Channel (QPSK) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2350.058	2359.956	2350	2360
-20		2350.053	2359.957	2350	2360
-10		2350.065	2359.956	2350	2360
0		2350.054	2359.957	2350	2360
10		2350.058	2359.962	2350	2360
20		2350.053	2359.957	2350	2360
30		2350.056	2359.956	2350	2360
40		2350.058	2359.955	2350	2360
50		2350.057	2359.957	2350	2360
20	V min.=102	2350.056	2359.956	2350	2360
20	V max.= 138	2350.058	2359.958	2350	2360

Low Channel & High Channel (16-QAM) /Channel Bandwidth:10MHz					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2350.057	2359.952	2350	2360
-20		2350.053	2359.956	2350	2360
-10		2350.055	2359.957	2350	2360
0		2350.054	2359.956	2350	2360
10		2350.058	2359.953	2350	2360
20		2350.056	2359.955	2350	2360
30		2350.057	2359.954	2350	2360
40		2350.056	2359.957	2350	2360
50		2350.067	2359.956	2350	2360
20	V min.= 102	2350.056	2359.965	2350	2360
20	V max.= 138	2350.058	2359.952	2350	2360

LTE Band 41:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2555.0546	2654.9595	2555	2655
-20		2555.0514	2654.9556	2555	2655
-10		2555.0562	2654.9594	2555	2655
0		2555.0514	2654.9533	2555	2655
10		2555.0503	2654.9598	2555	2655
20		2555.0565	2654.9518	2555	2655
30		2555.0587	2654.9527	2555	2655
40		2555.0562	2654.9576	2555	2655
50		2555.0576	2654.9518	2555	2655
20	V min.= 102	2555.0545	2654.9581	2555	2655
20	V max.= 138	2555.0517	2654.9556	2555	2655

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{AC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	120	2555.0527	2654.9588	2555	2655
-20		2555.0586	2654.9504	2555	2655
-10		2555.0548	2654.9506	2555	2655
0		2555.0506	2654.9567	2555	2655
10		2555.0577	2654.9548	2555	2655
20		2555.0585	2654.9597	2555	2655
30		2555.0604	2654.9586	2555	2655
40		2555.0575	2654.9505	2555	2655
50		2555.0527	2654.9574	2555	2655
20	V min.= 102	2555.0528	2654.9567	2555	2655
20	V max.= 138	2555.0586	2654.9596	2555	2655

Declarations

1: BACL is not responsible for the authenticity of any test data provided by the applicant. Data included from the applicant that may affect test results are marked with an asterisk '*'. Customer model name, addresses, names, trademarks etc. are not considered data.

2: Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

3: Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.

4: The extended uncertainty given in this report is obtained by combining the standard uncertainty times the coverage factor K with the 95% confidence interval.

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