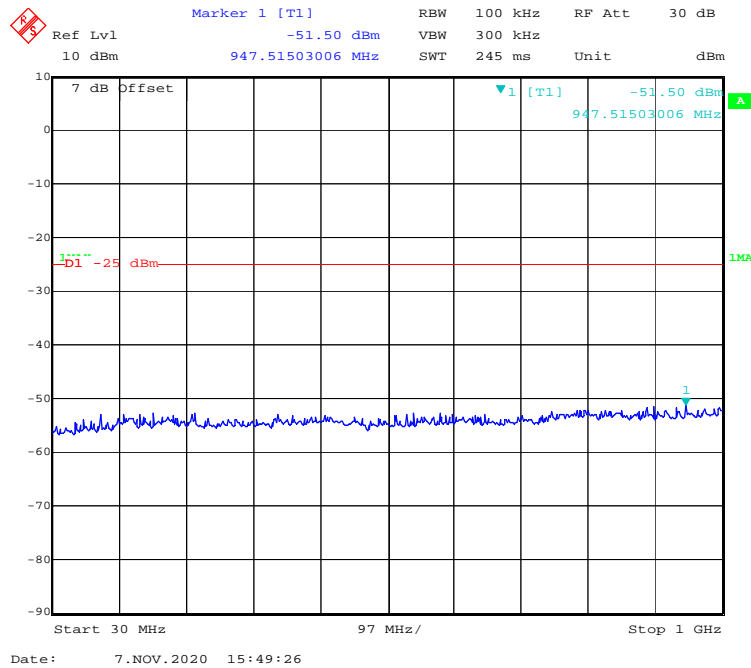
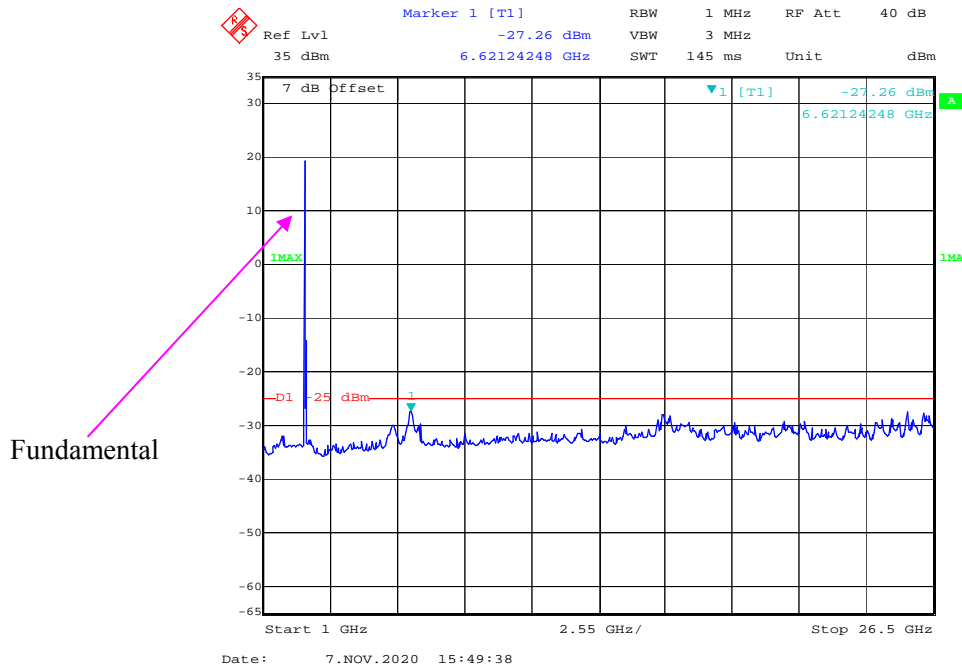


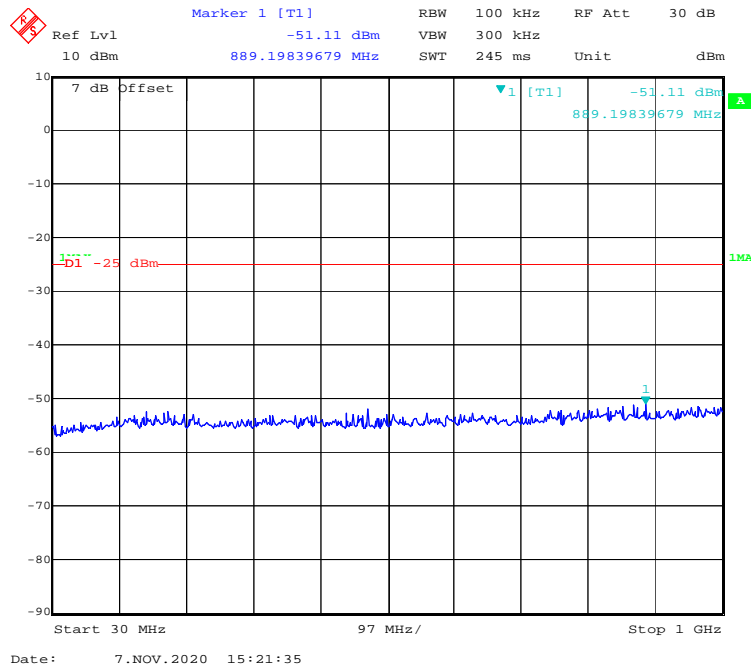
30 MHz - 1 GHz (QPSK, 20.0 MHz, Middle Channel)



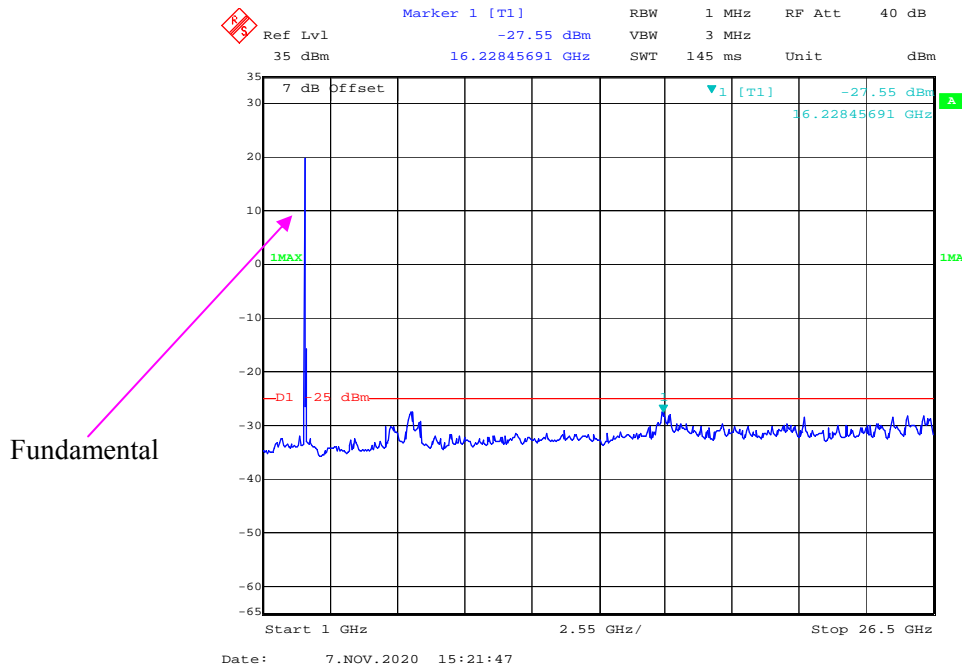
1 GHz – 26.5 GHz (QPSK, 20.0 MHz, Middle Channel)



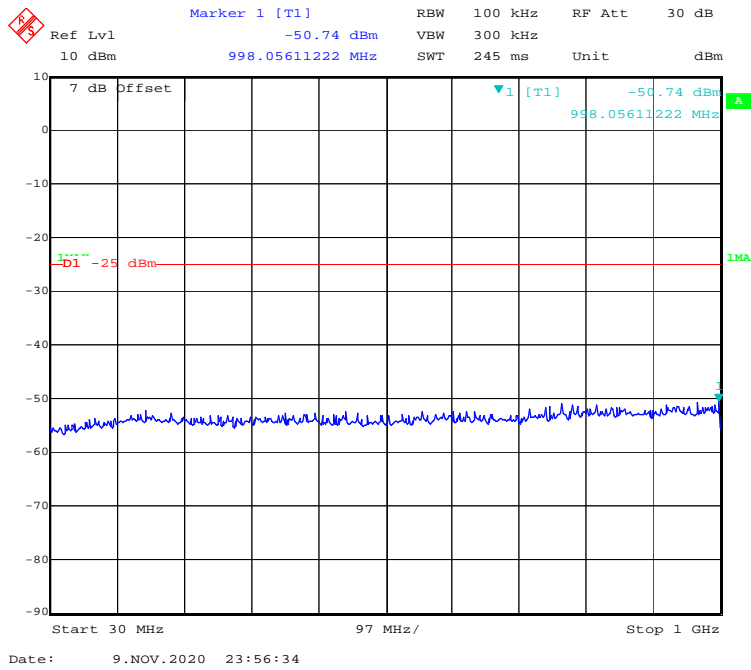
30 MHz - 1 GHz (16QAM, 20.0 MHz, Middle Channel)



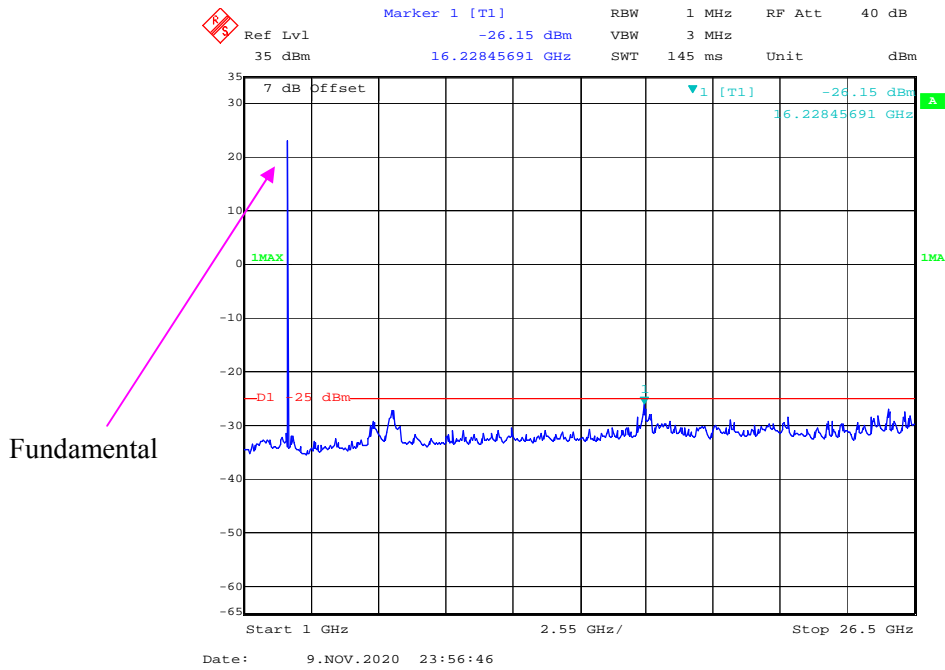
1 GHz – 26.5 GHz (16QAM, 20.0 MHz, Middle Channel)



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

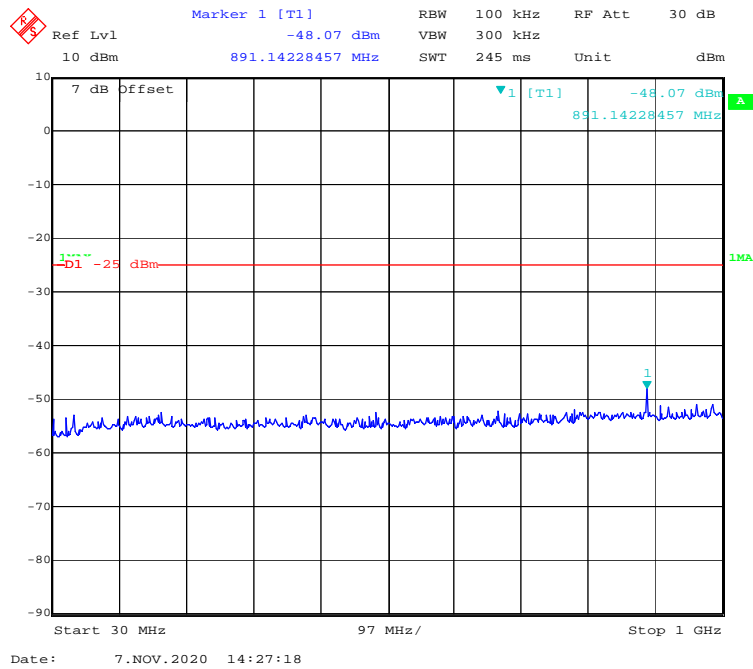


1 GHz – 26.5 GHz (QPSK, 5.0 MHz, High Channel)

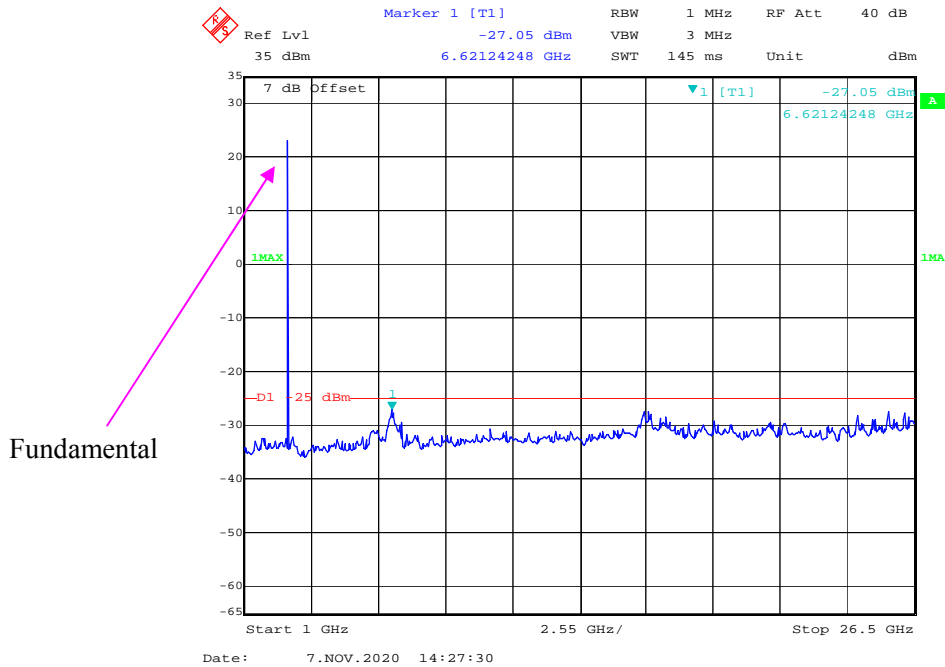


Fundamental

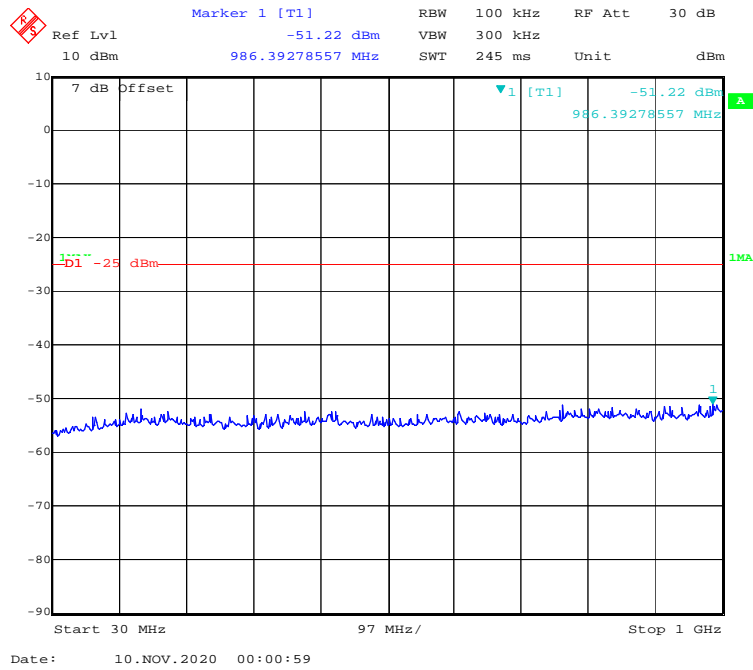
30 MHz - 1 GHz (16QAM, 5.0 MHz, High Channel)



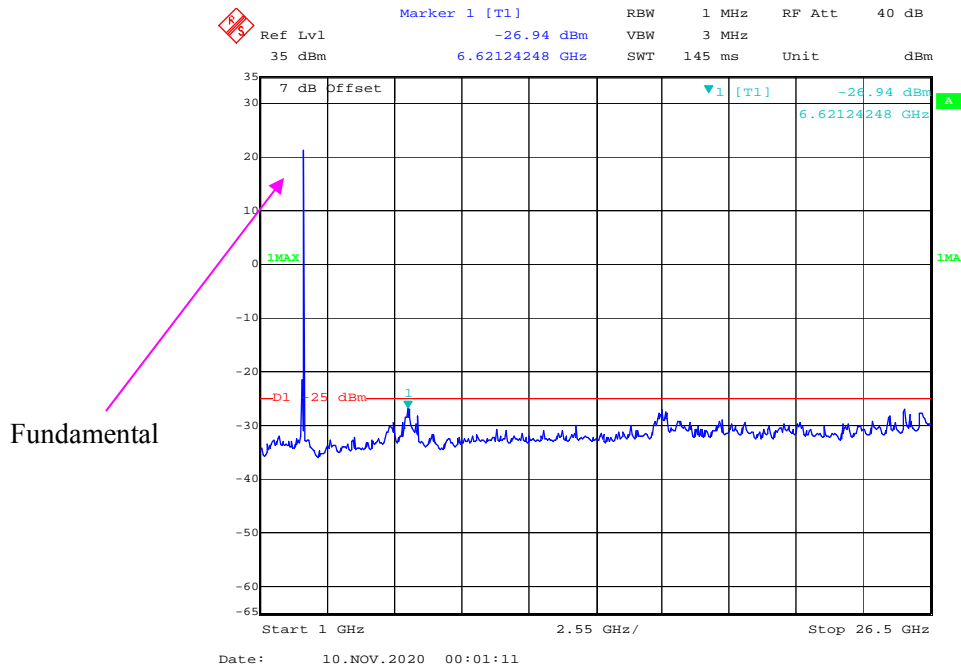
1 GHz – 26.5 GHz (16QAM, 5.0 MHz, High Channel)



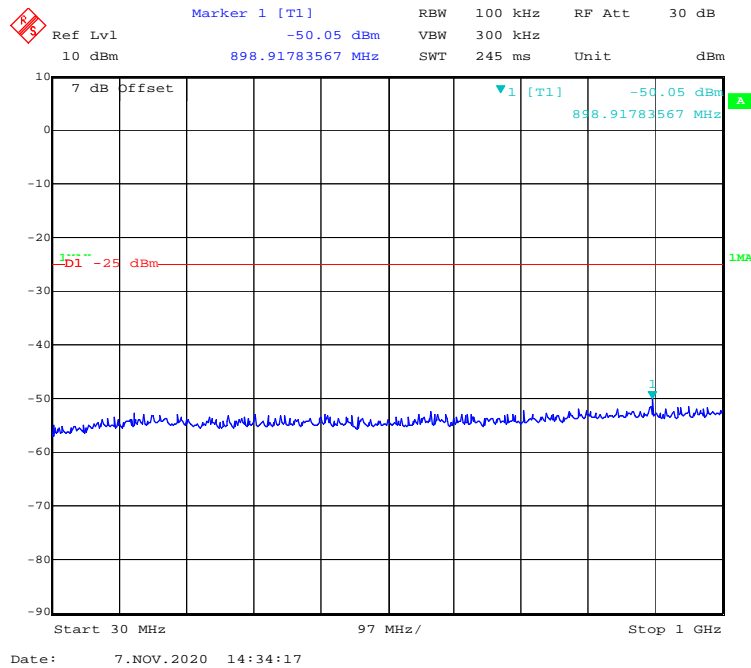
30 MHz - 1 GHz (QPSK, 10.0 MHz, High Channel)



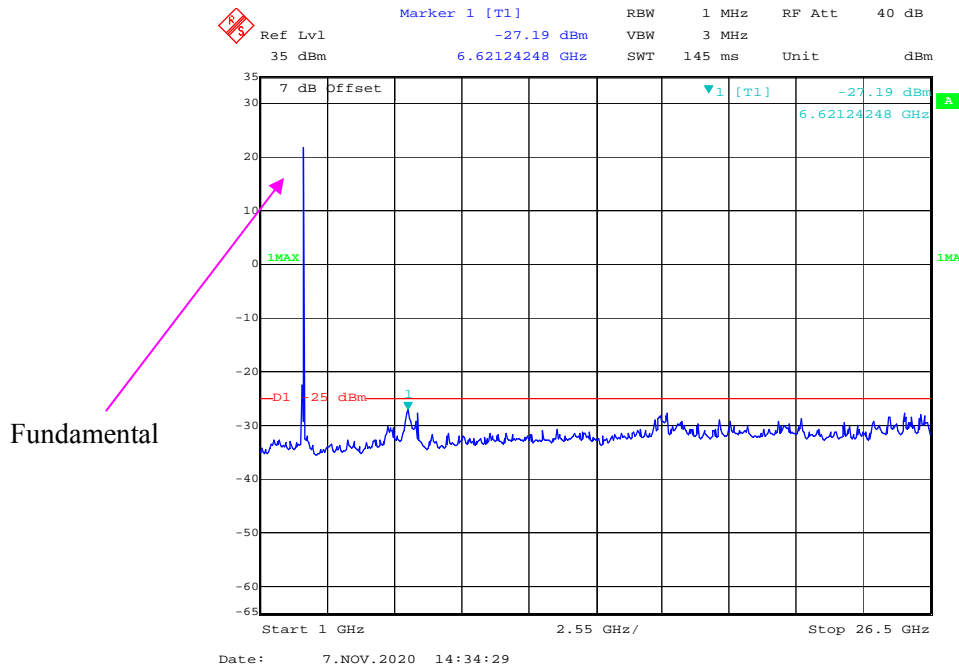
1 GHz - 26.5 GHz (QPSK, 10.0 MHz, High Channel)



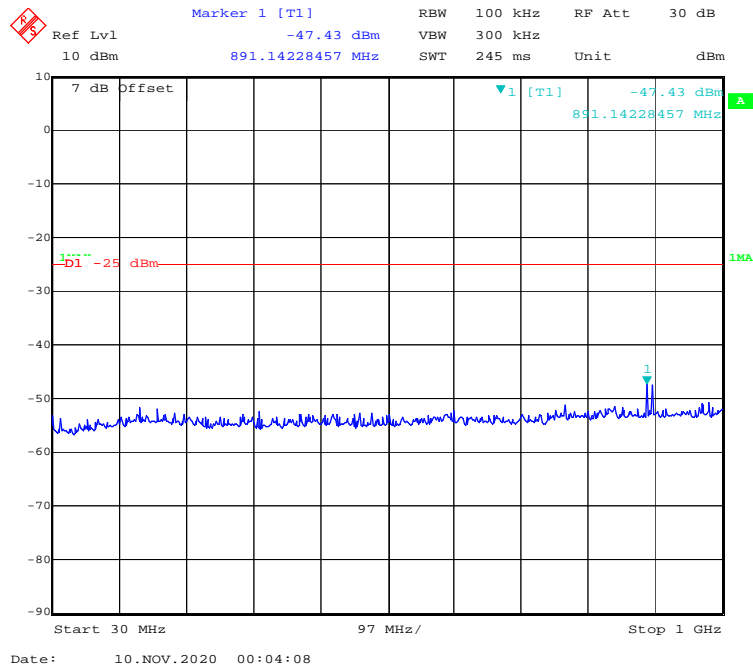
30 MHz - 1 GHz (16QAM, 10.0 MHz, High Channel)



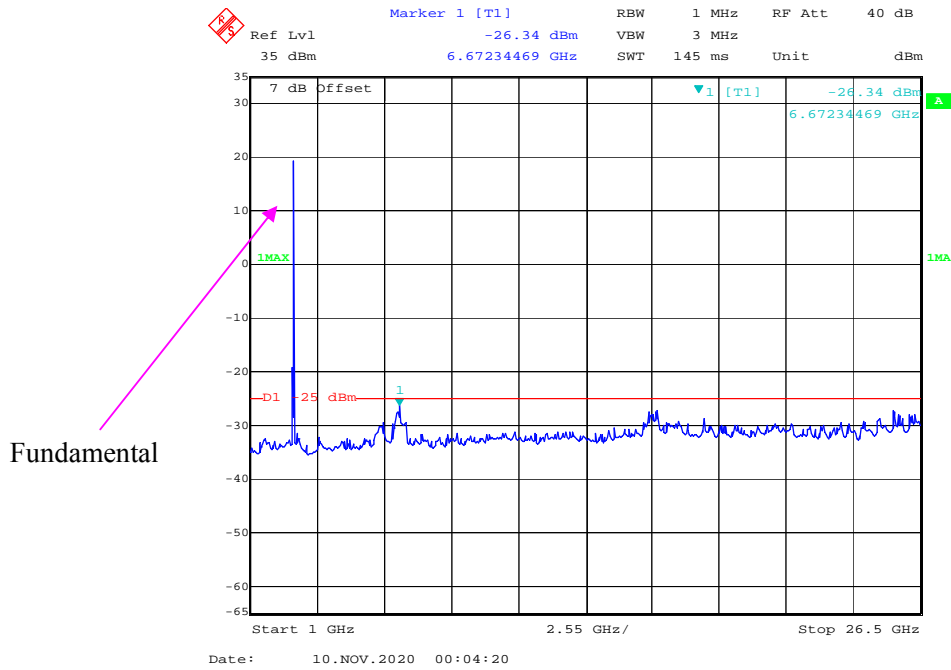
1 GHz – 26.5 GHz (16QAM, 10.0 MHz, High Channel)



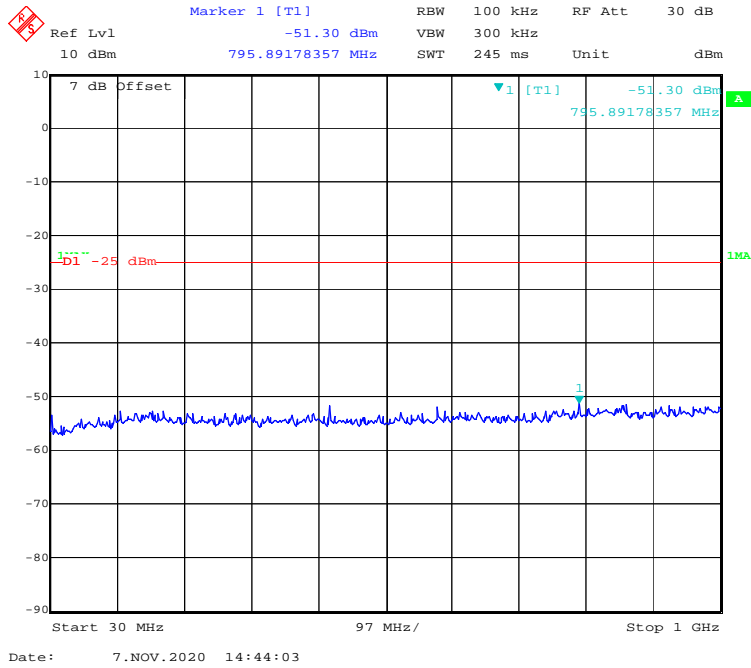
30 MHz - 1 GHz (QPSK, 15.0 MHz, High Channel)



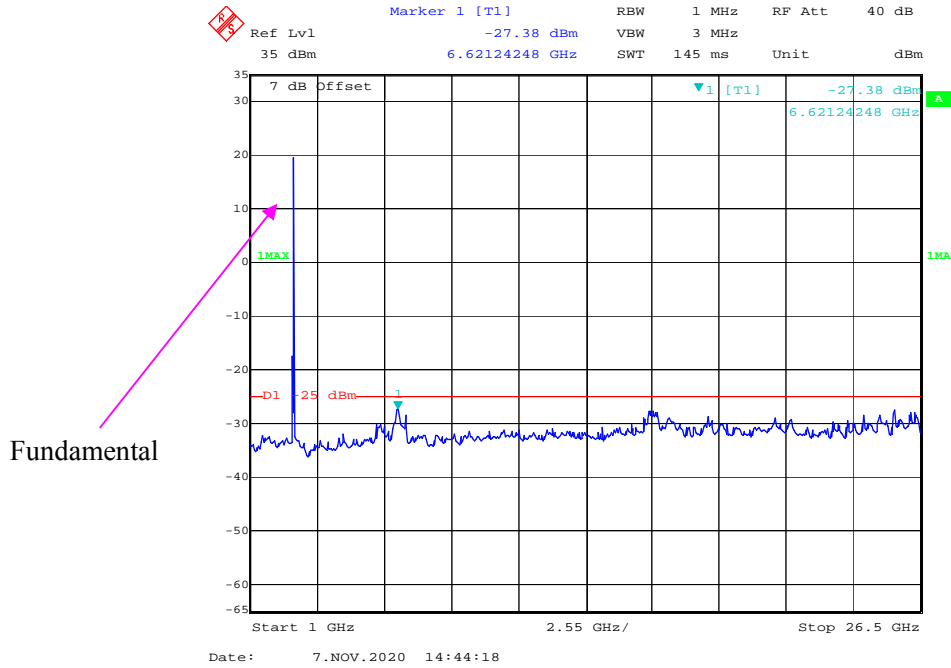
1 GHz – 26.5 GHz (QPSK, 15.0MHz, High Channel)



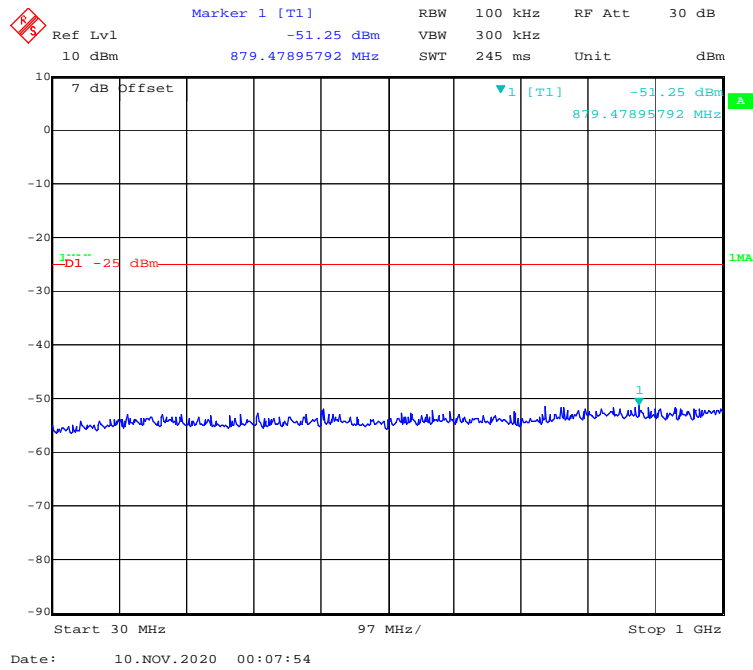
30 MHz - 1 GHz (16QAM, 15.0 MHz, High Channel)



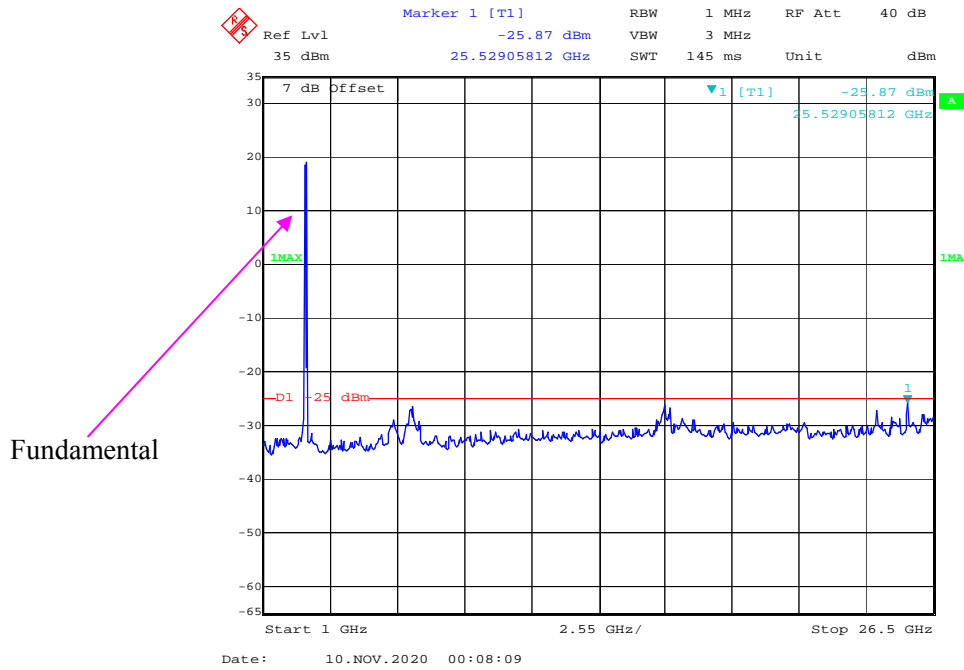
1 GHz – 26.5 GHz (16QAM, 15.0MHz, High Channel)



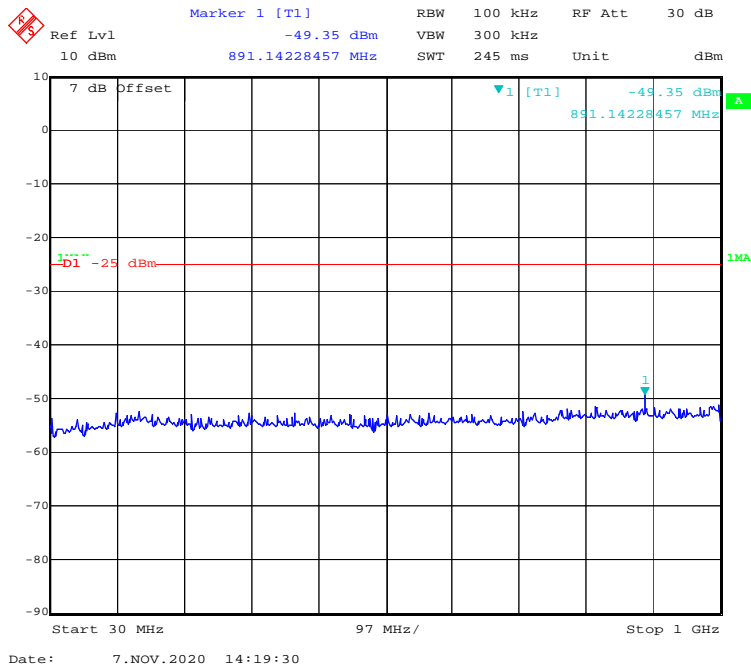
30 MHz - 1 GHz (QPSK, 20.0 MHz, High Channel)



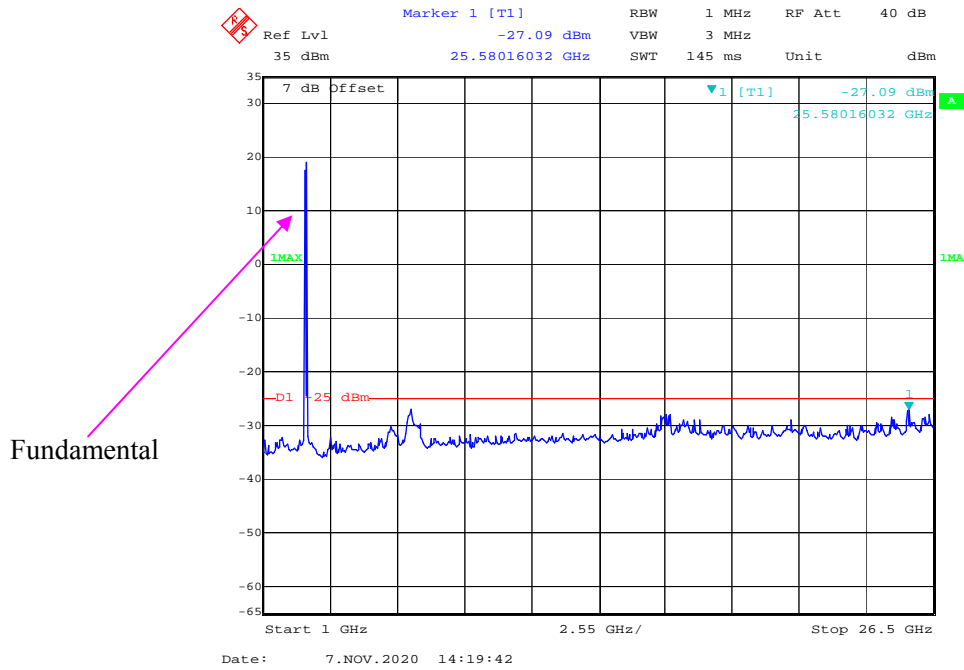
1 GHz - 26.5 GHz (QPSK, 20.0 MHz, High Channel)



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

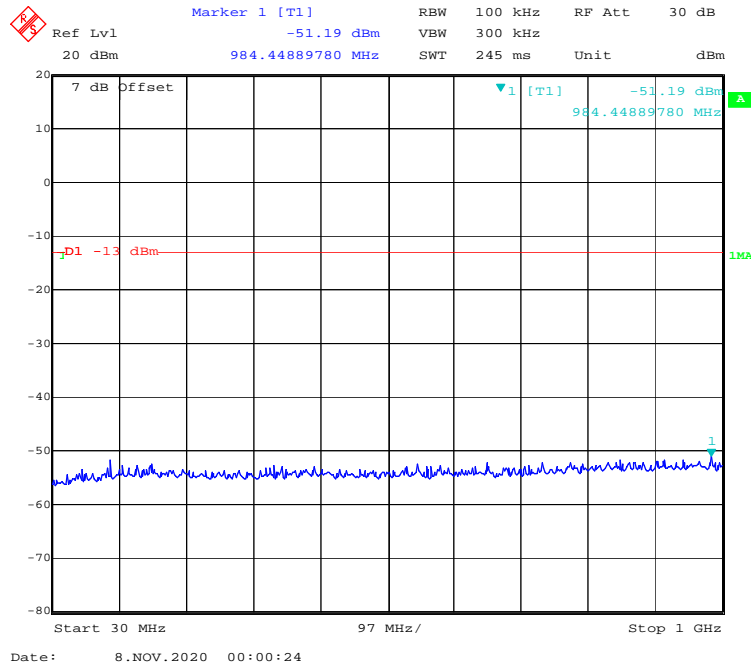


1 GHz – 26.5 GHz (16QAM, 20.0 MHz, High Channel)

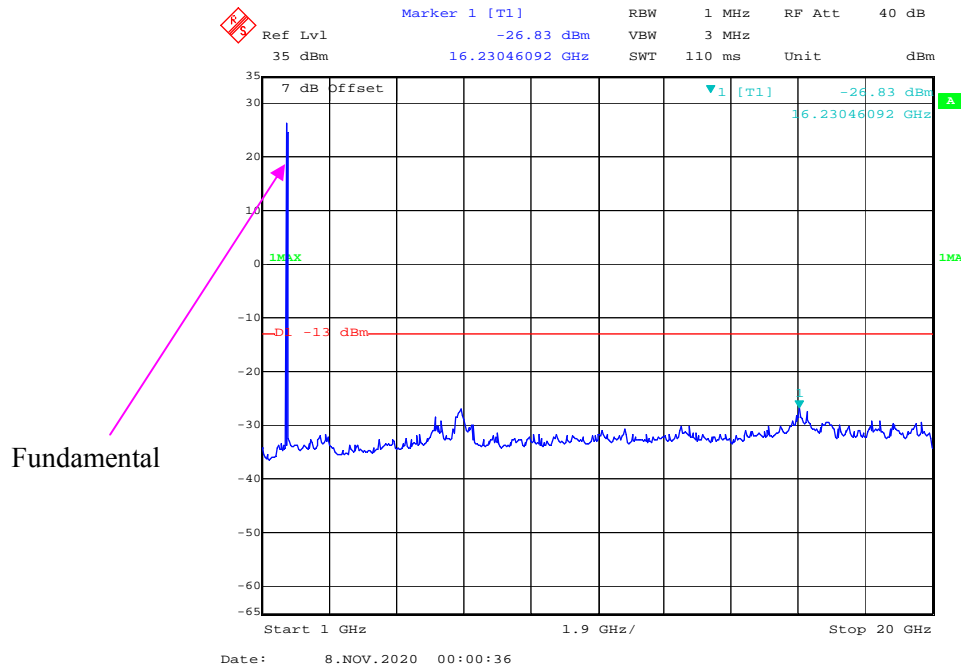


LTE Band 66:

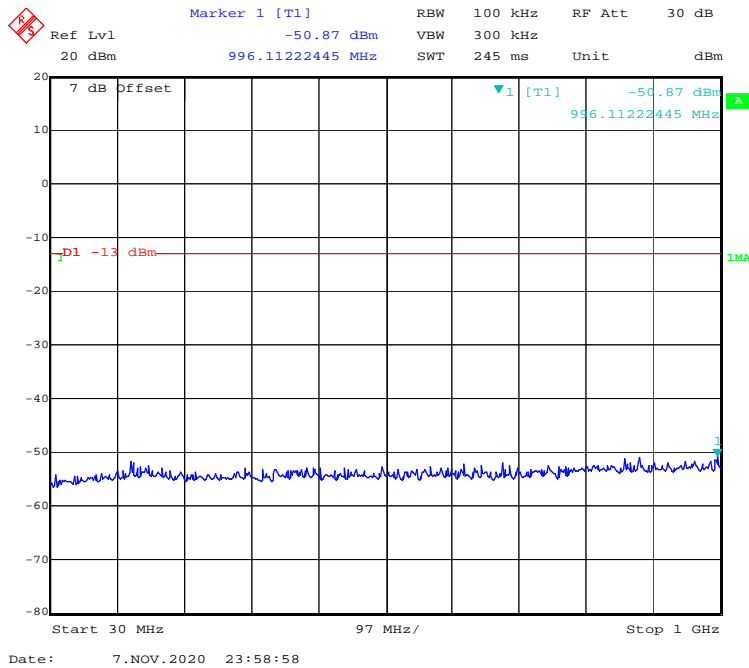
30 MHz – 1 GHz (1.4 MHz, QPSK, Low Channel)



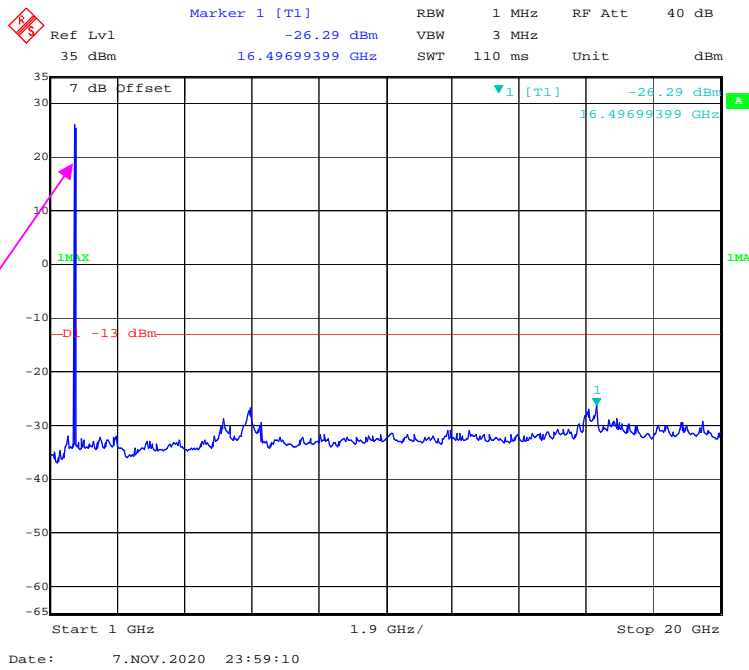
1 GHz – 20 GHz (1.4 MHz, QPSK, Low Channel)



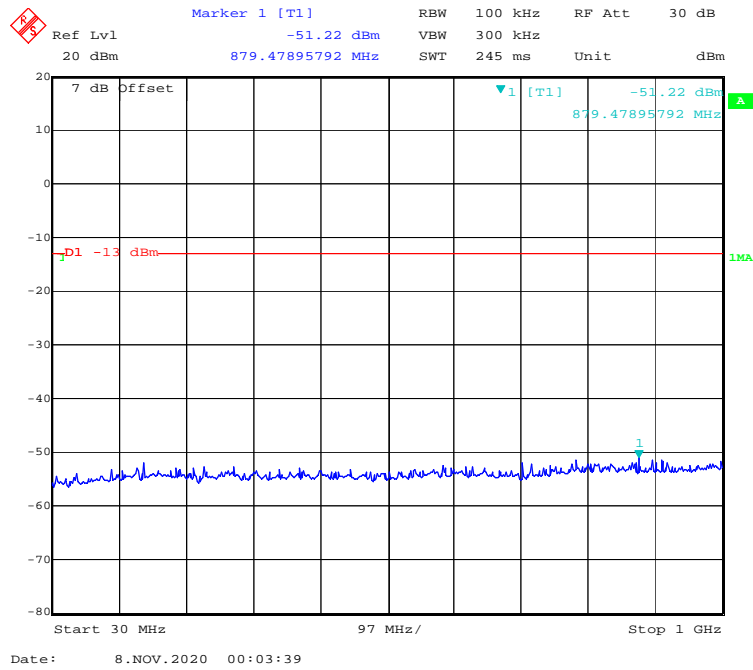
30 MHz – 1 GHz (1.4 MHz, 16-QAM, Low Channel)



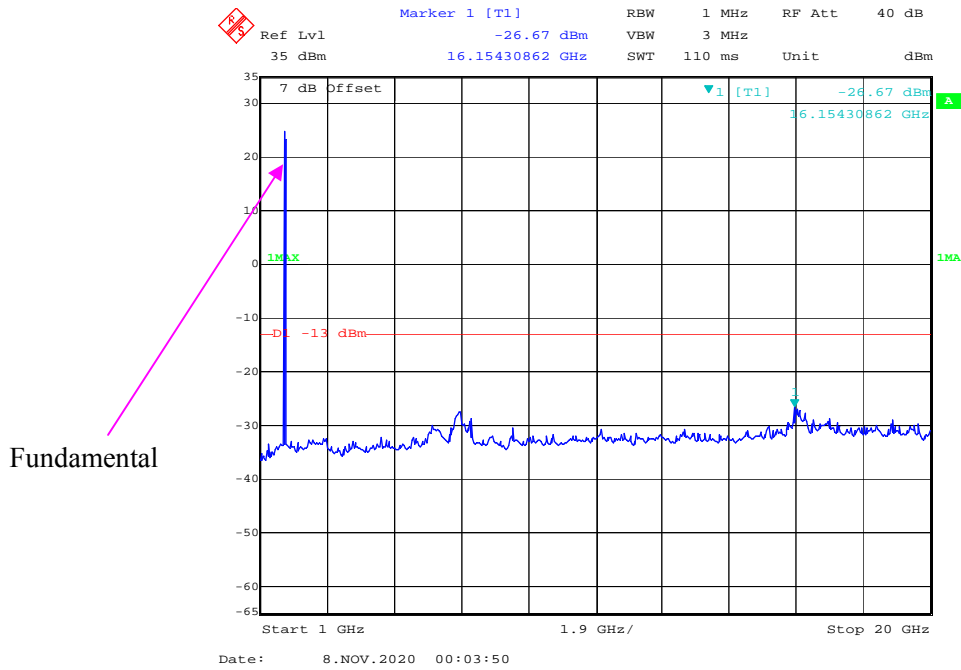
1 GHz – 20 GHz (1.4 MHz, 16-QAM, Low Channel)



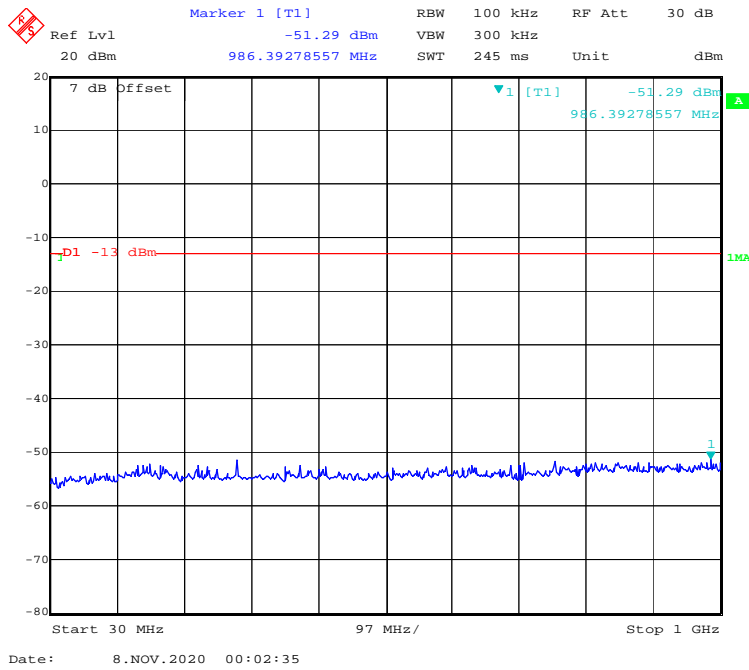
30 MHz – 1 GHz (3 MHz, QPSK, Low Channel)



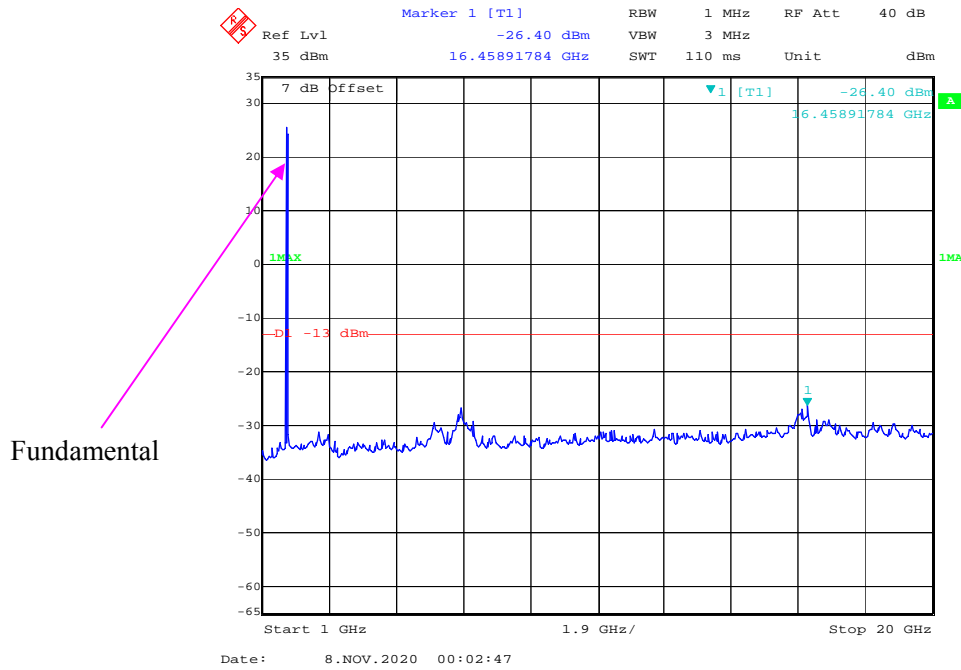
1 GHz – 20 GHz (3 MHz, QPSK, Low Channel)



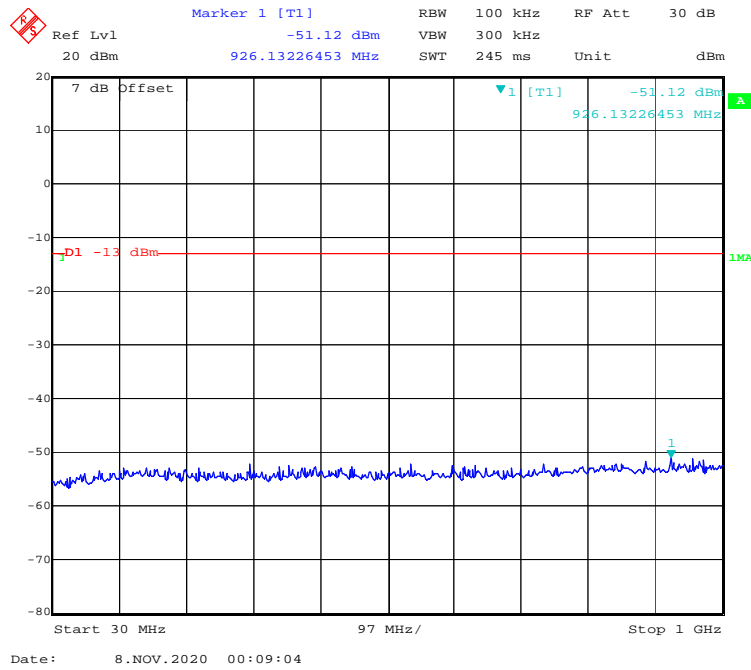
30 MHz – 1 GHz (3 MHz, 16-QAM, Low Channel)



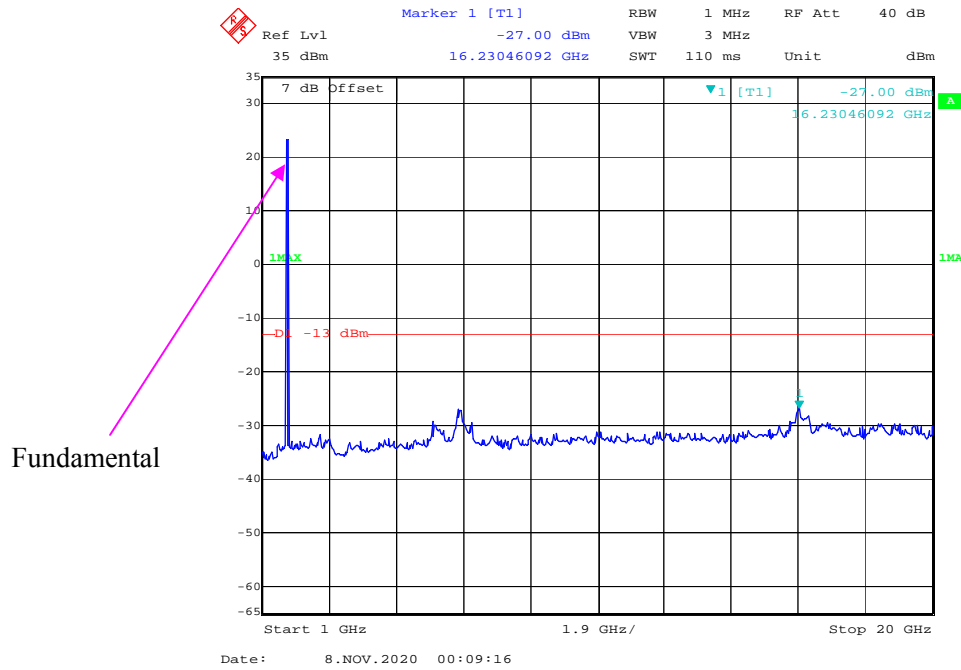
1 GHz – 20 GHz (3 MHz, 16-QAM, Low Channel)



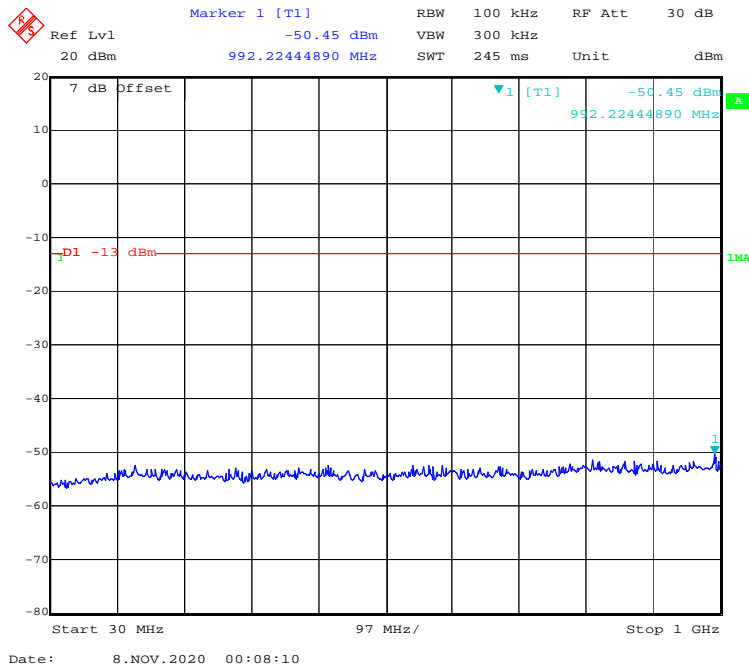
30 MHz – 1 GHz (5 MHz, QPSK, Low Channel)



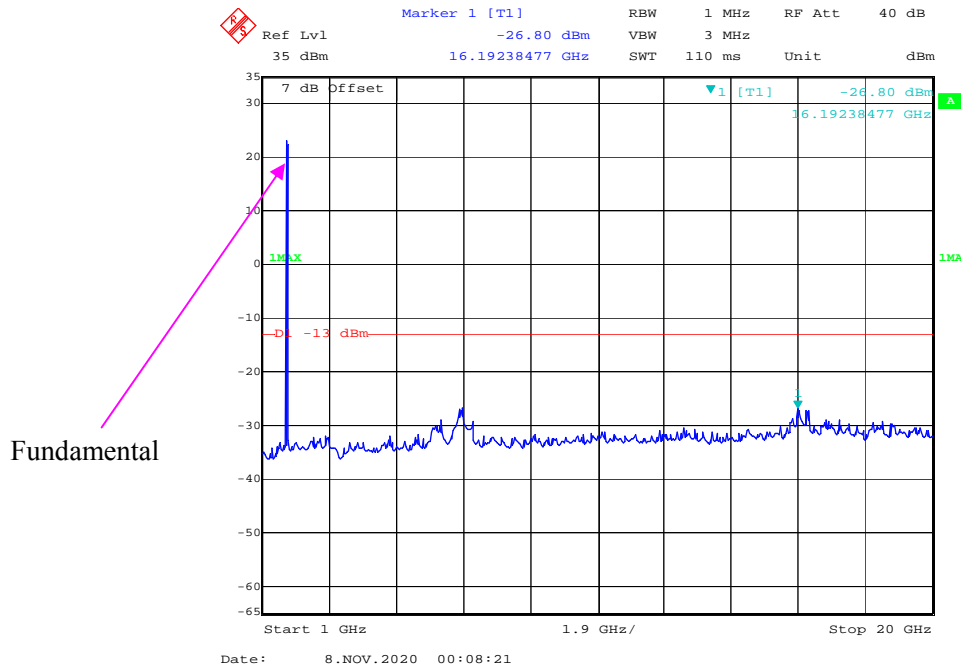
1 GHz – 20 GHz (5 MHz, QPSK, Low Channel)



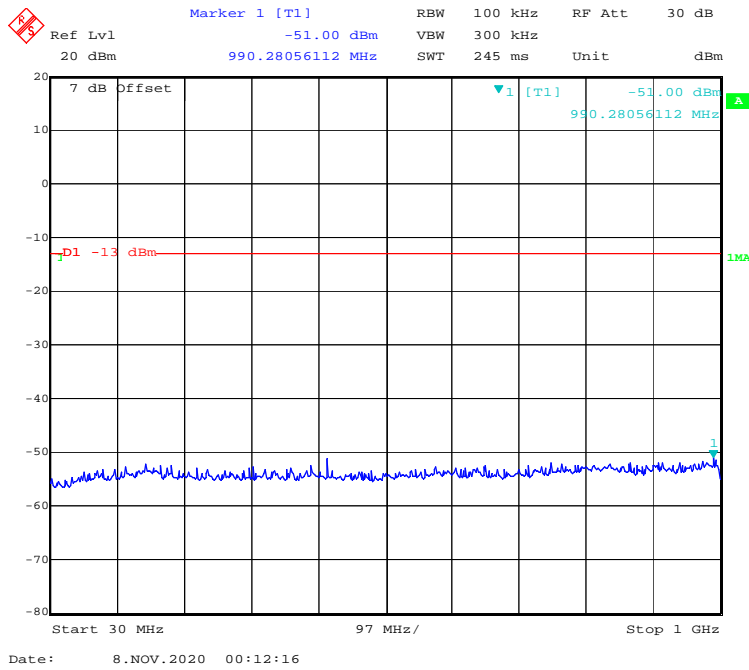
30 MHz – 1 GHz (5 MHz, 16-QAM, Low Channel)



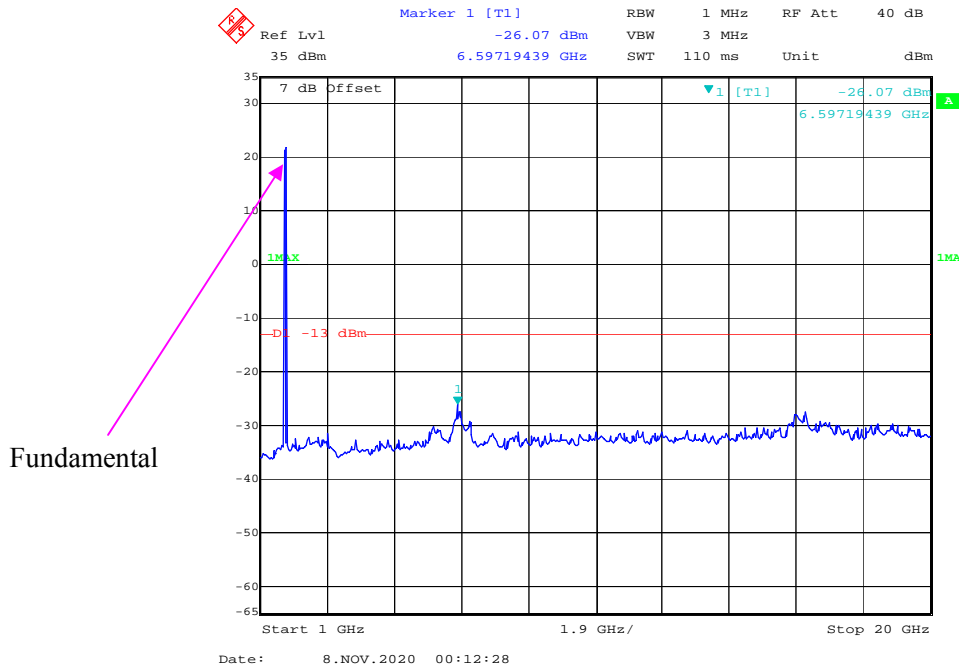
1 GHz – 20 GHz (5 MHz, 16-QAM, Low Channel)



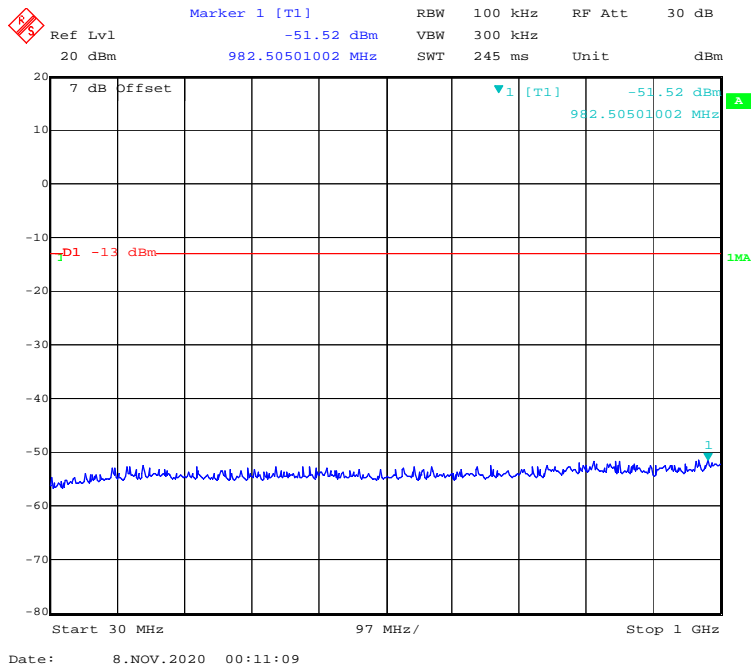
30 MHz – 1 GHz (10 MHz, QPSK, Low Channel)



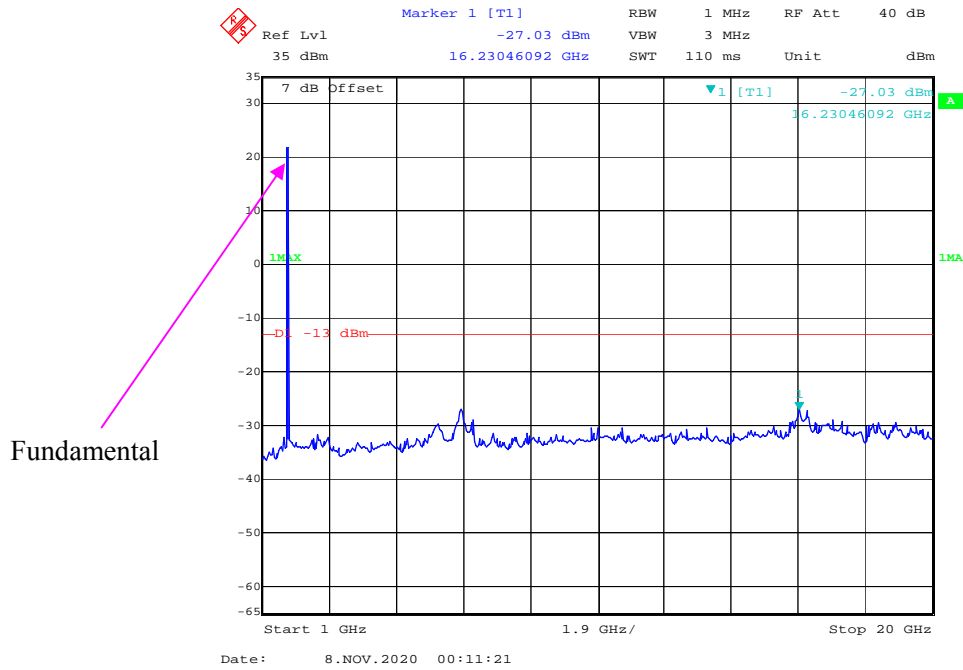
1 GHz – 20 GHz (10 MHz, QPSK, Low Channel)



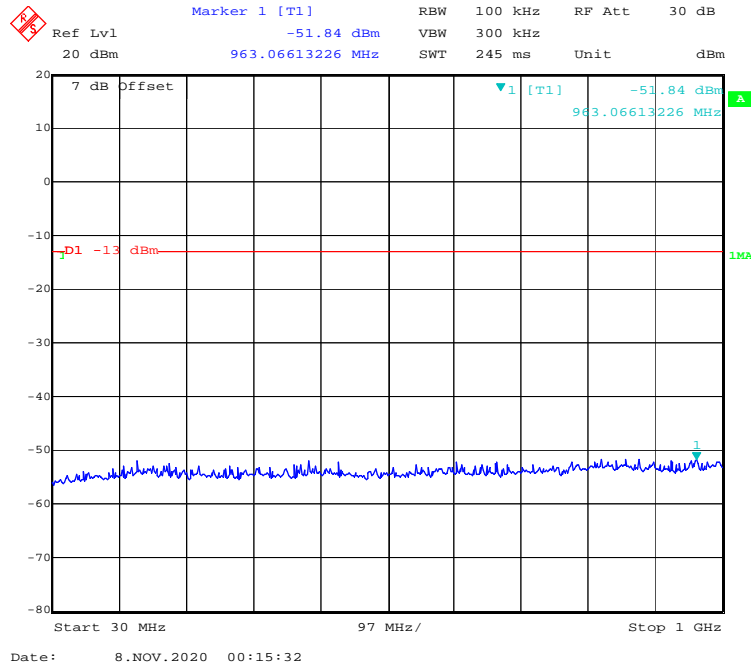
30 MHz – 1 GHz (10 MHz, 16-QAM, Low Channel)



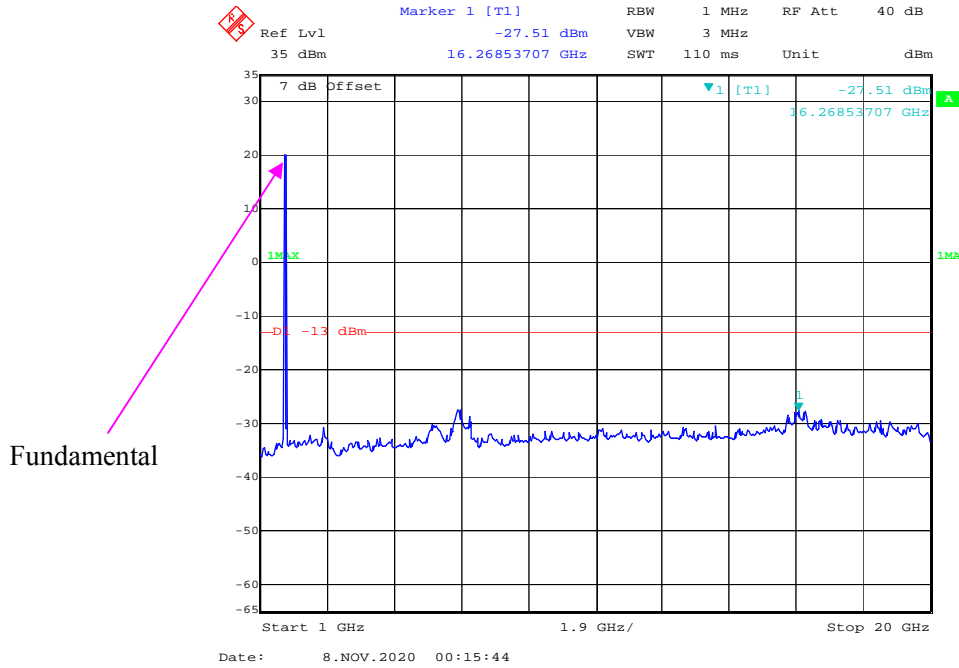
1 GHz – 20 GHz (10 MHz, 16-QAM, Low Channel)



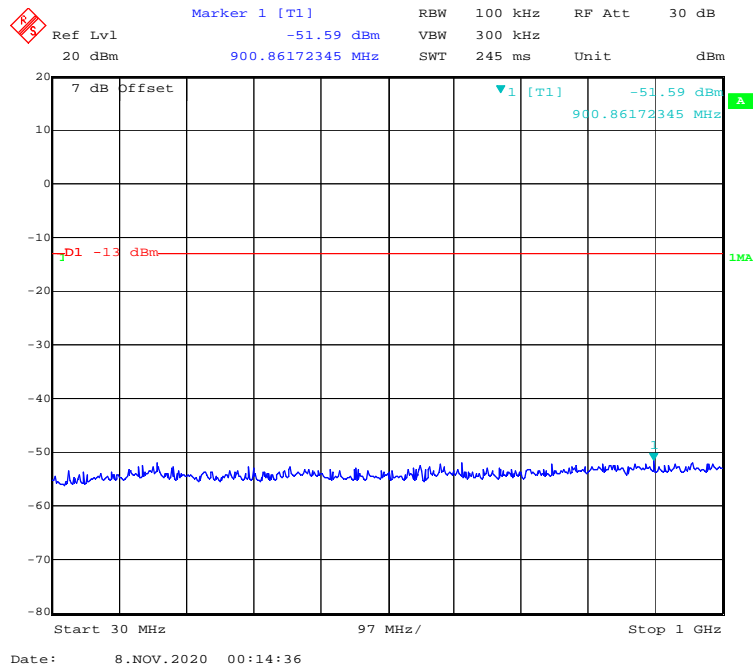
30 MHz – 1 GHz (15 MHz, QPSK, Low Channel)



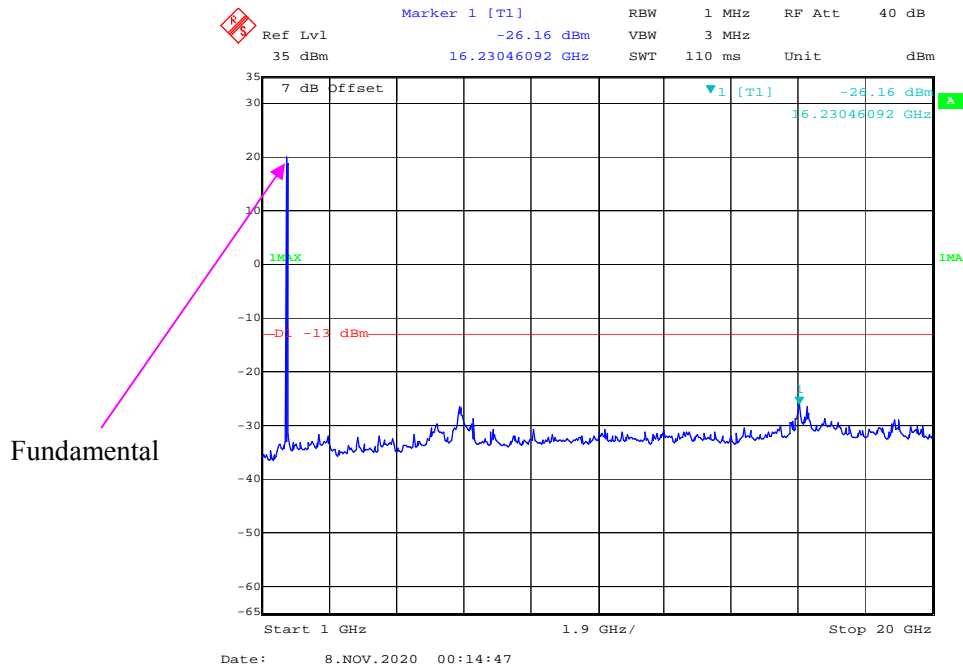
1 GHz – 20 GHz (15 MHz, QPSK, Low Channel)



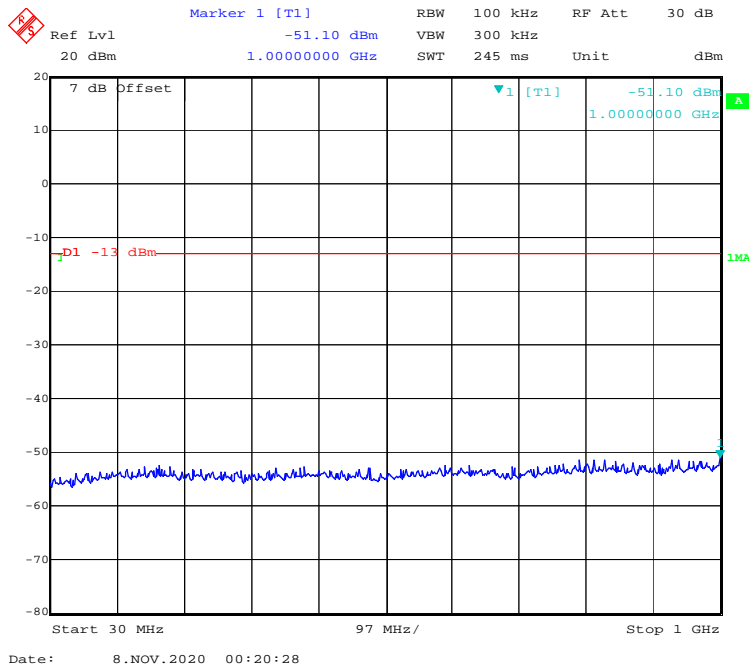
30 MHz – 1 GHz (15 MHz, 16-QAM, Low Channel)



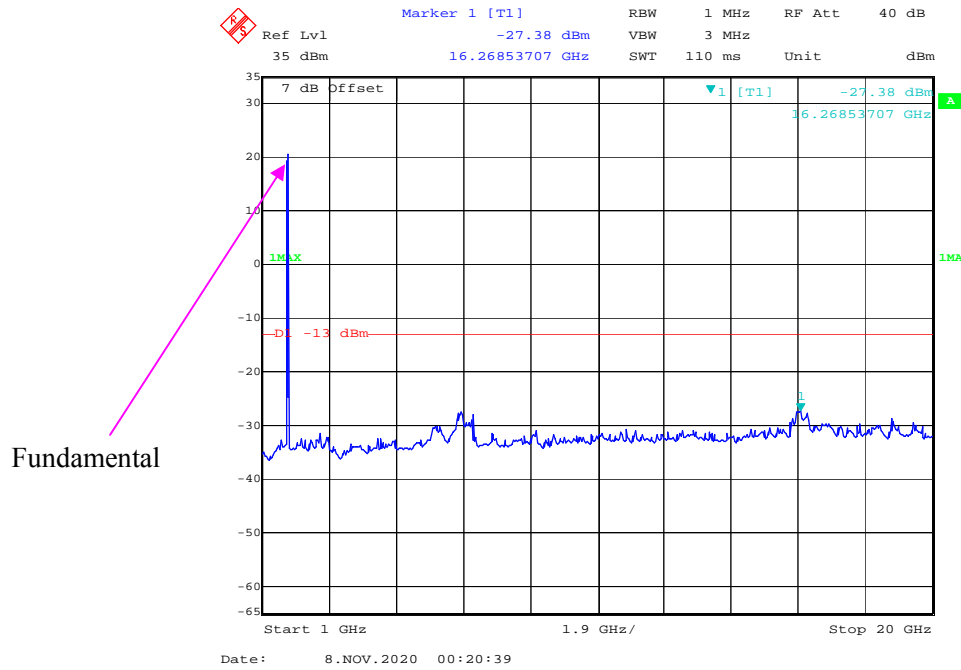
1 GHz – 20 GHz (15 MHz, 16-QAM, Low Channel)



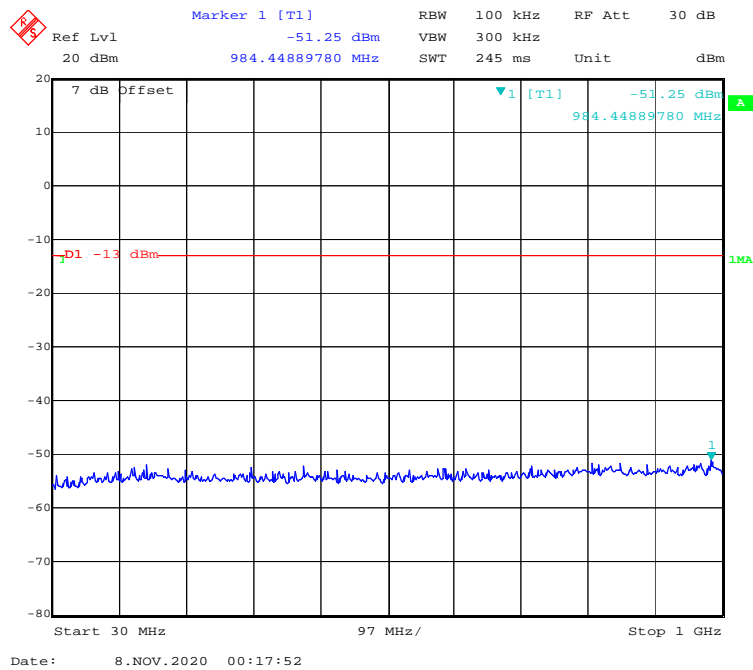
30 MHz – 1 GHz (20 MHz, QPSK, Low Channel)



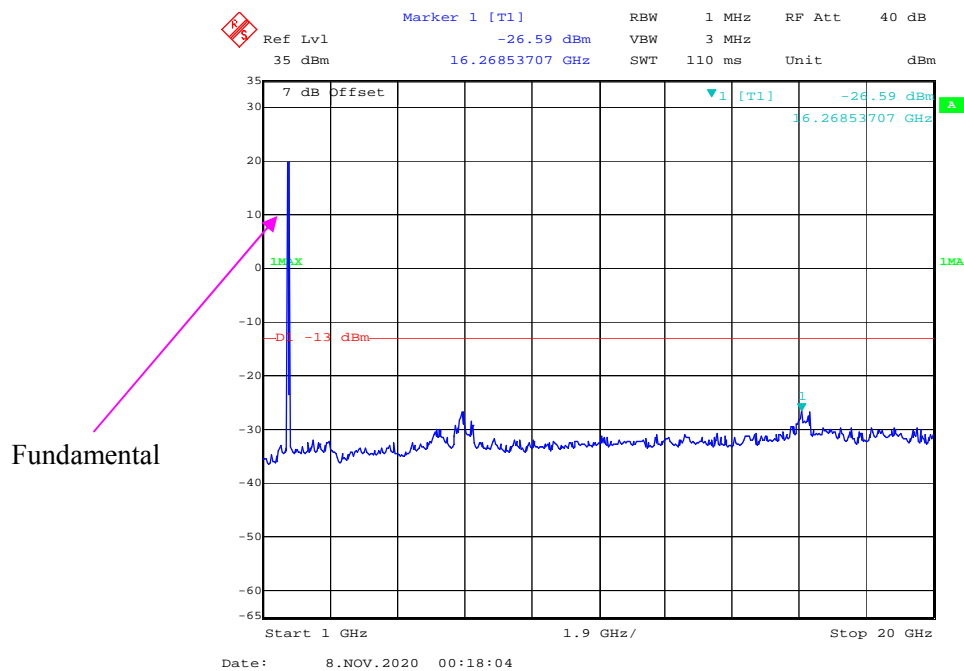
1 GHz – 20 GHz (20 MHz, QPSK, Low Channel)



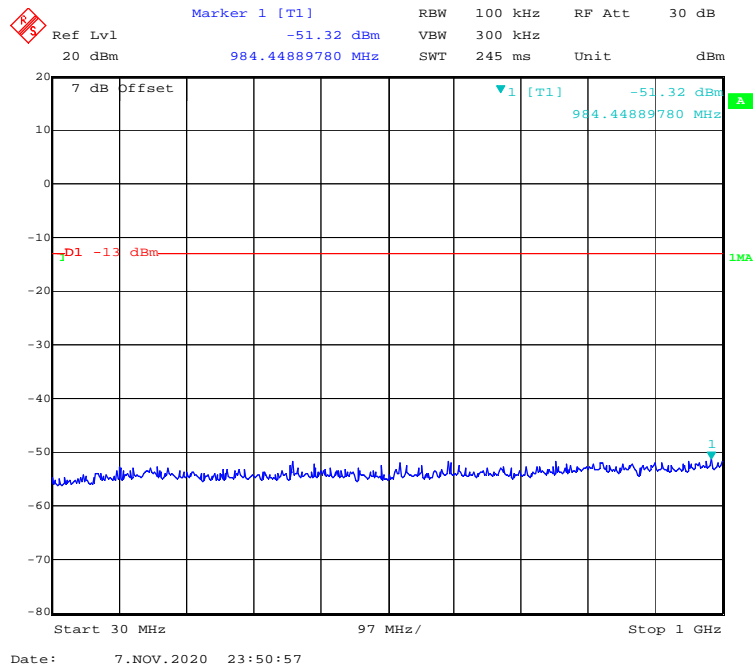
30 MHz – 1 GHz (20 MHz, 16-QAM, Low Channel)



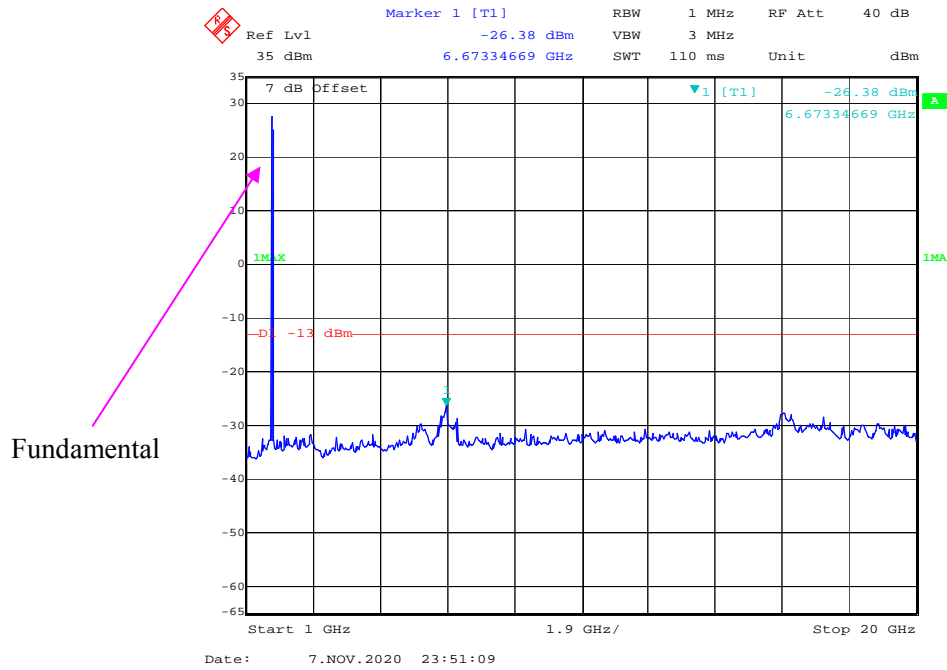
1 GHz – 20 GHz (20 MHz, 16-QAM, Low Channel)



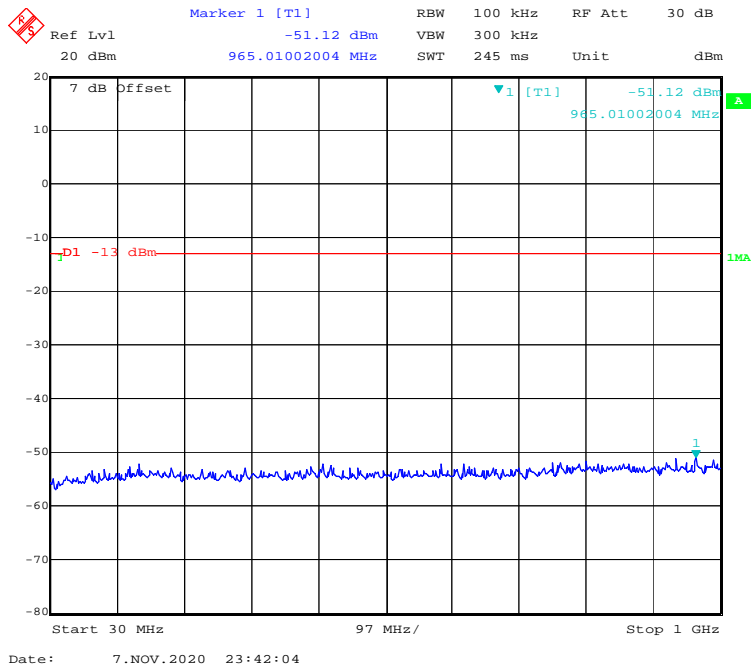
30 MHz – 1 GHz (1.4 MHz, QPSK, Middle Channel)



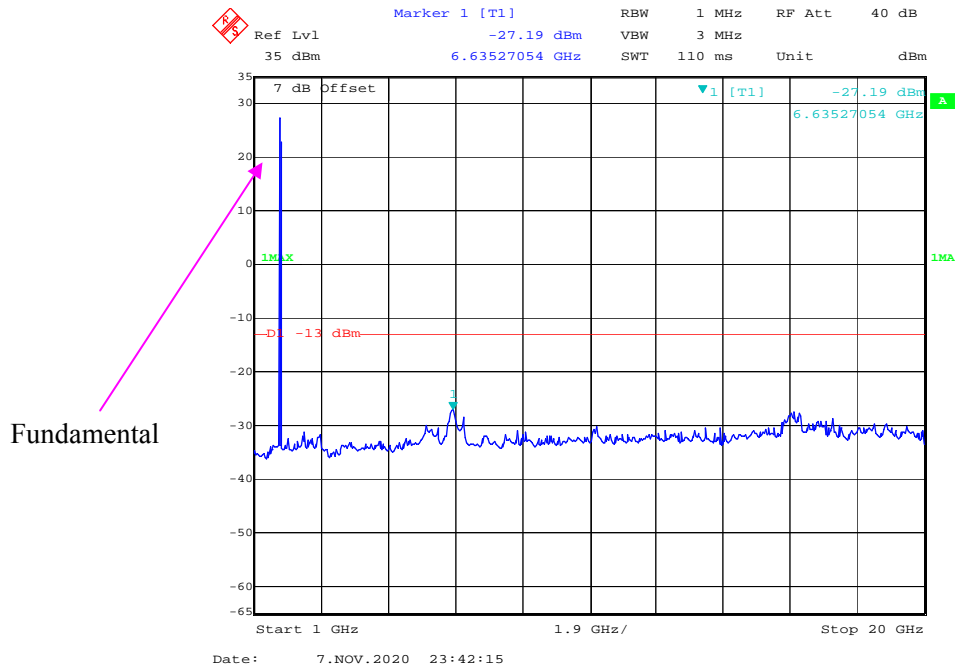
1 GHz – 20 GHz (1.4 MHz, QPSK, Middle Channel)



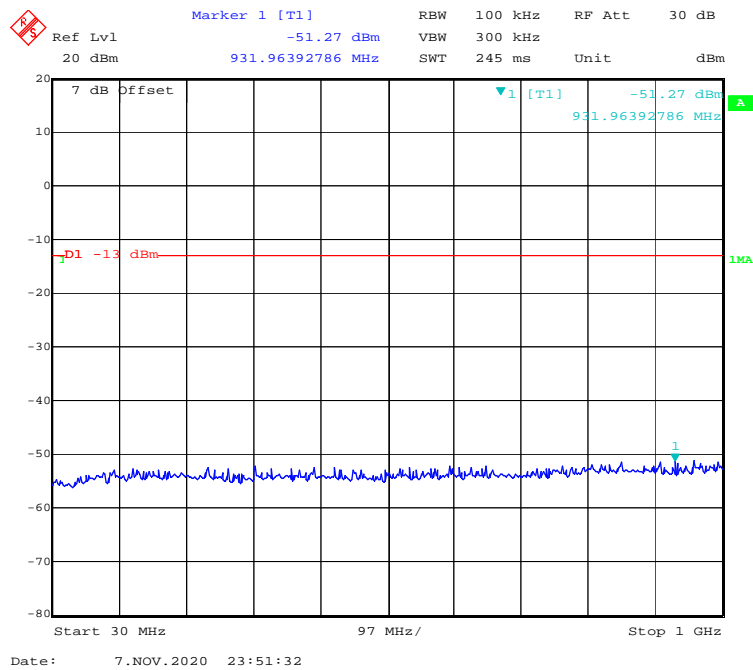
30 MHz – 1 GHz (1.4 MHz, 16-QAM, Middle Channel)



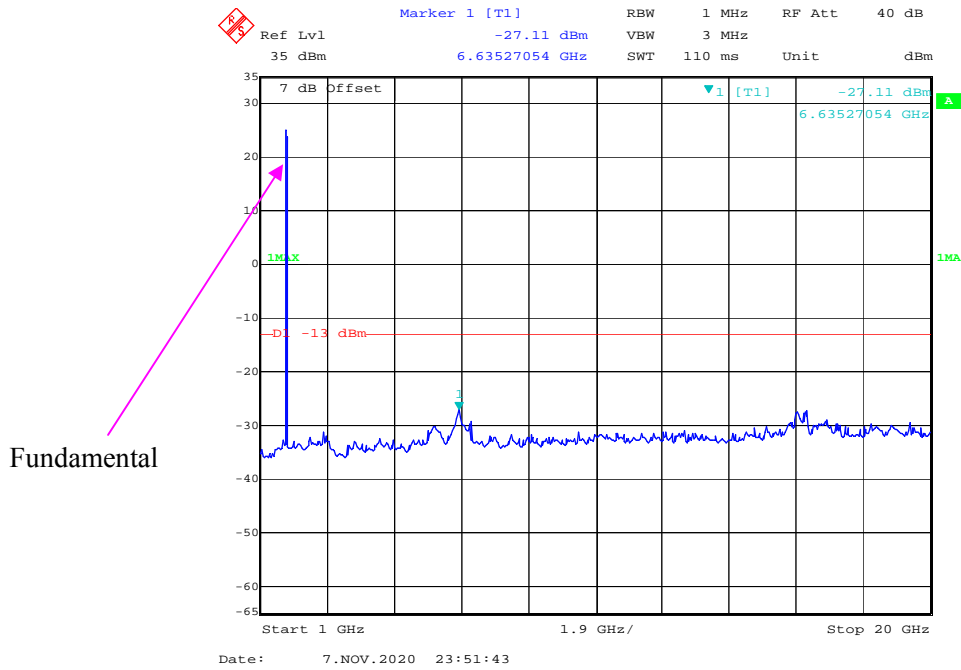
1 GHz – 20 GHz (1.4 MHz, 16-QAM, Middle Channel)



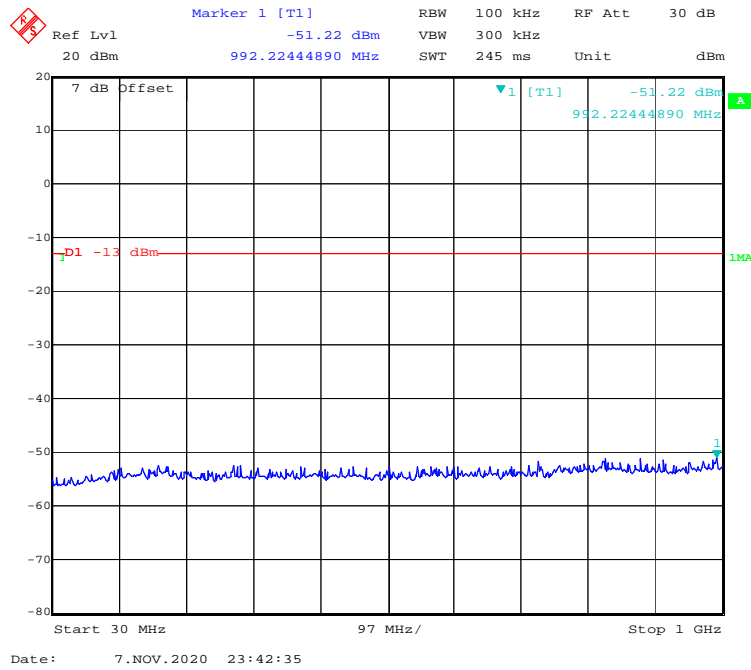
30 MHz – 1 GHz (3 MHz, QPSK, Middle Channel)



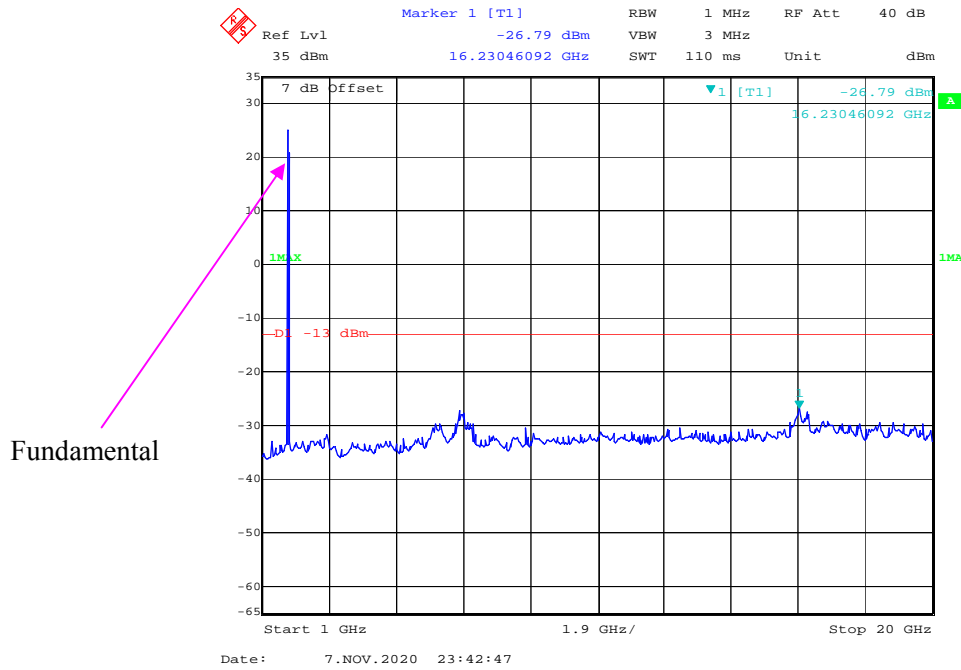
1 GHz – 20 GHz (3 MHz, QPSK, Middle Channel)



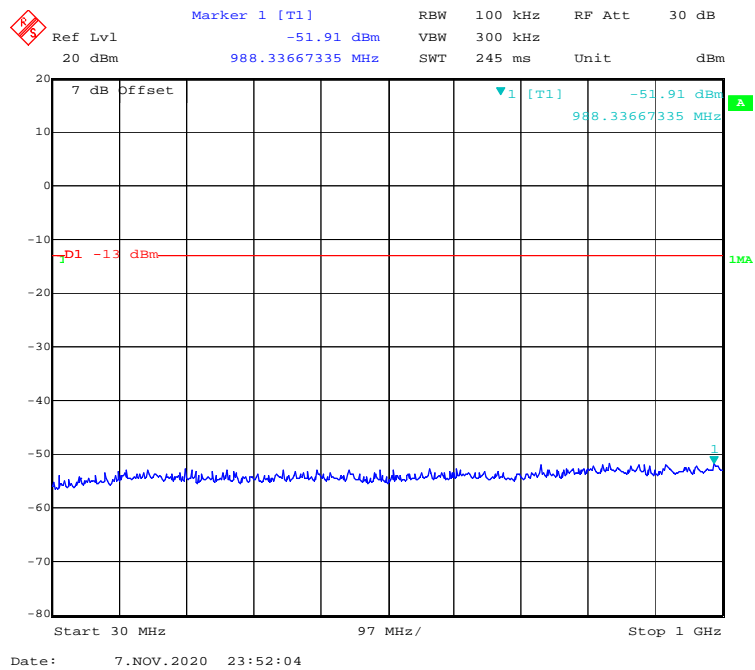
30 MHz – 1 GHz (3 MHz, 16-QAM, Middle Channel)



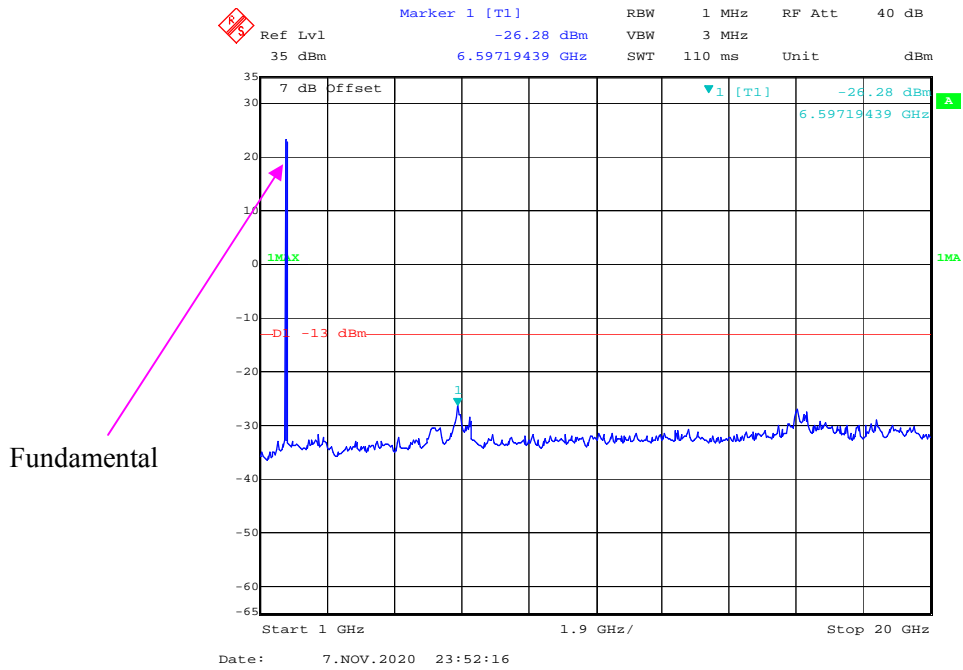
1 GHz – 20 GHz (3 MHz, 16-QAM, Middle Channel)



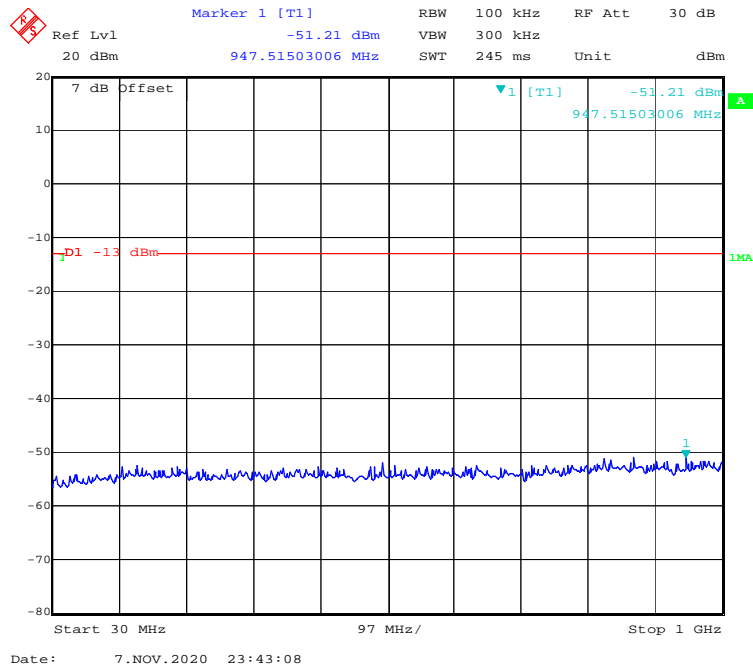
30 MHz – 1 GHz (5 MHz, QPSK, Middle Channel)



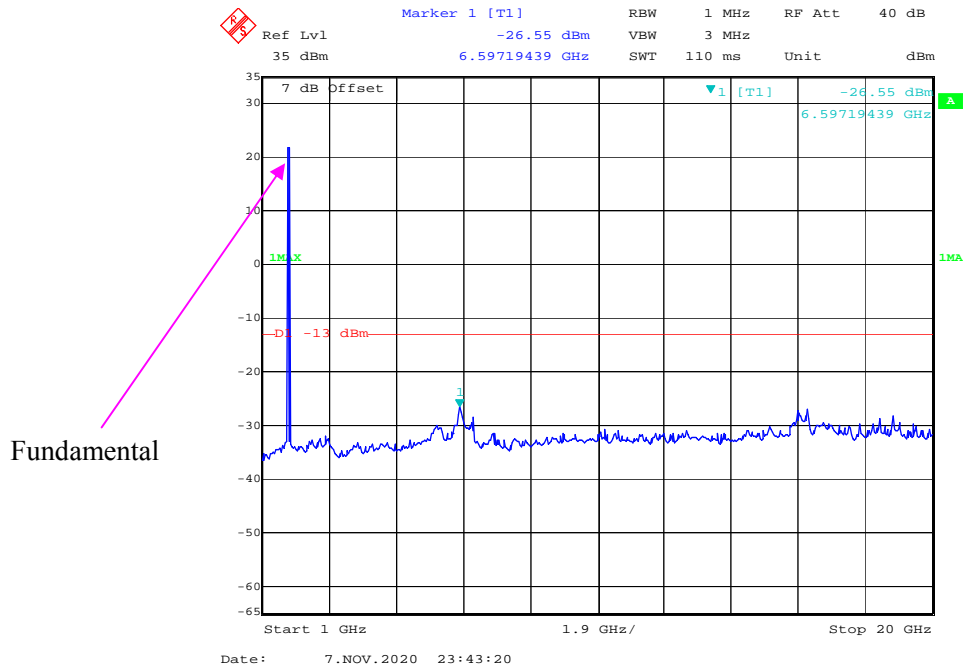
1 GHz – 20 GHz (5 MHz, QPSK, Middle Channel)



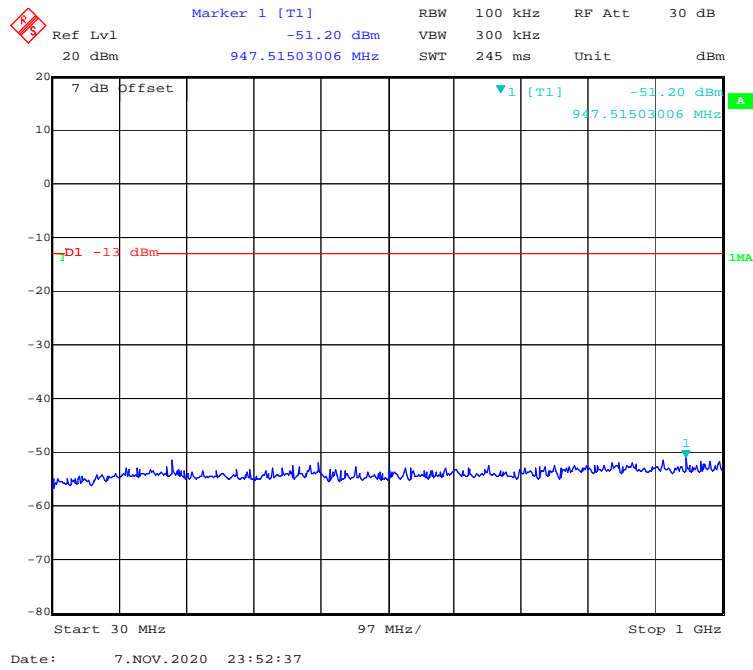
30 MHz – 1 GHz (5 MHz, 16-QAM, Middle Channel)



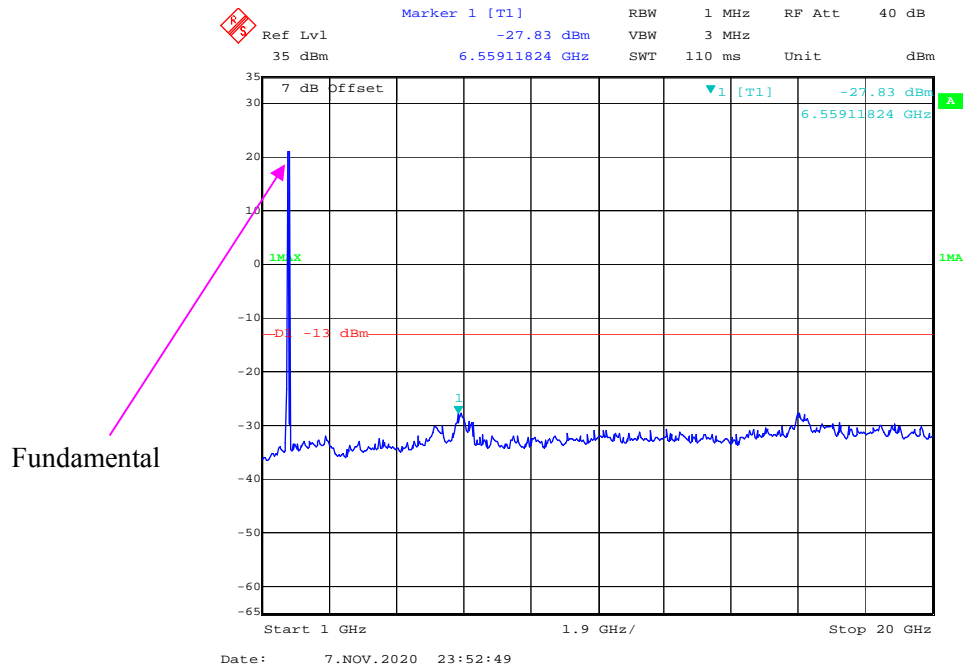
1 GHz – 20 GHz (5 MHz, 16-QAM, Middle Channel)



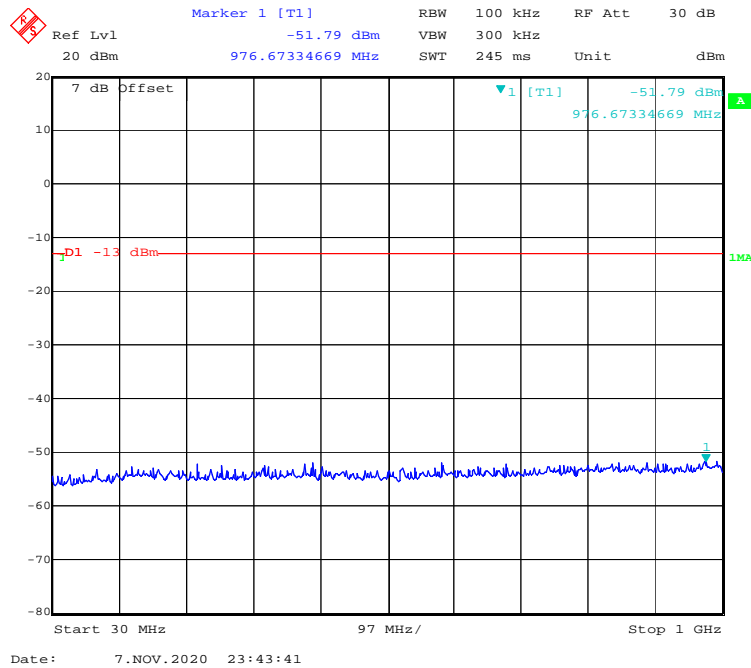
30 MHz – 1 GHz (10 MHz, QPSK, Middle Channel)



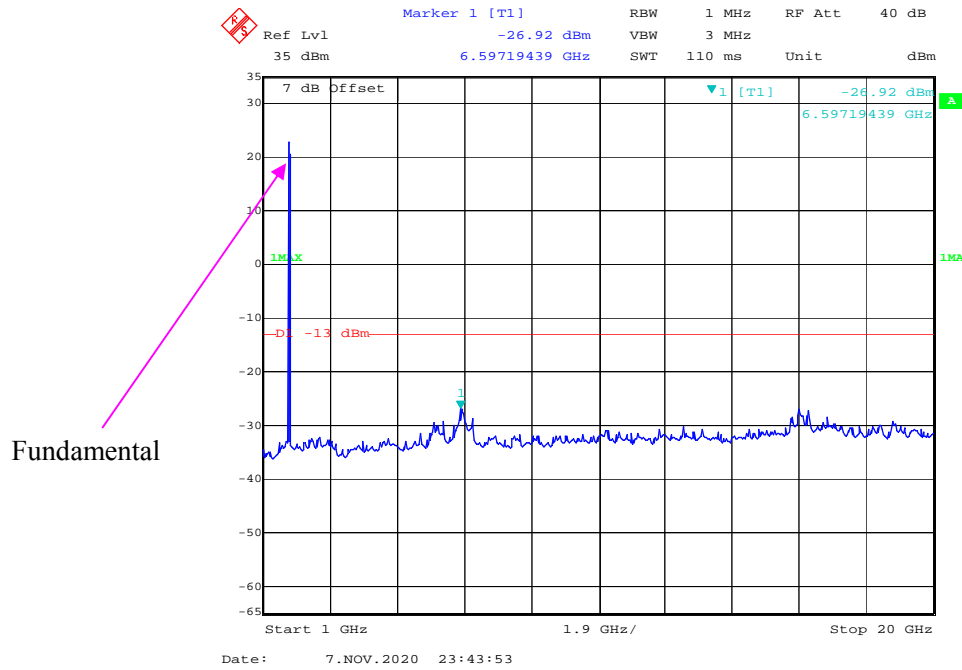
1 GHz – 20 GHz (10 MHz, QPSK, Middle Channel)



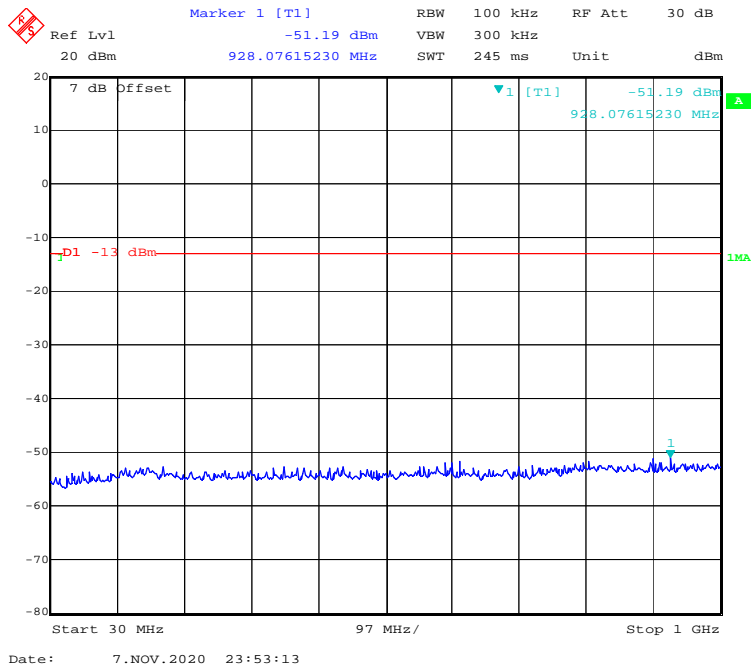
30 MHz – 1 GHz (10 MHz, 16-QAM, Middle Channel)



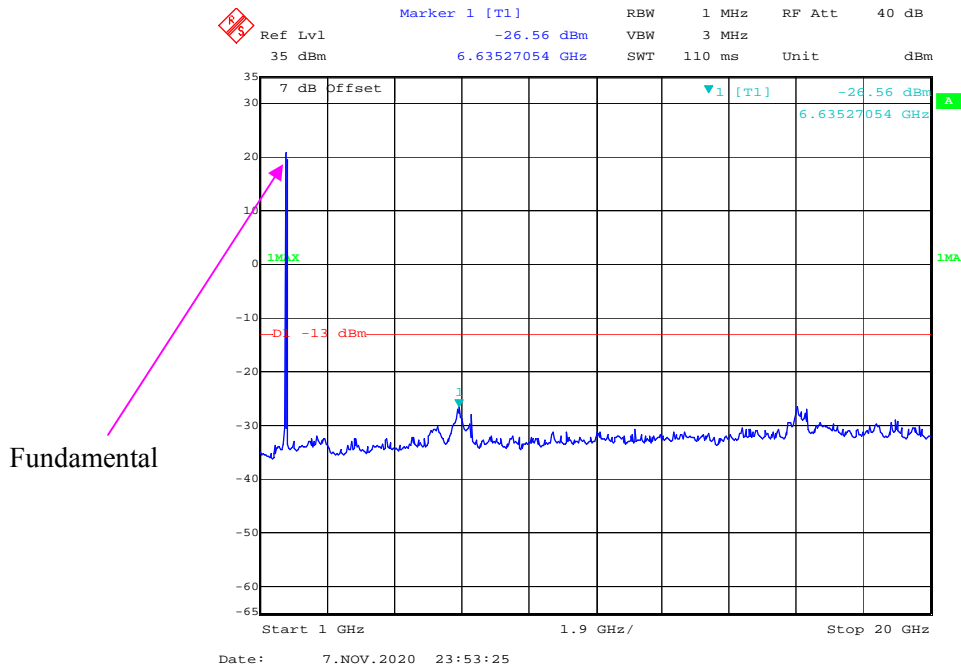
1 GHz – 20 GHz (10 MHz, 16-QAM, Middle Channel)



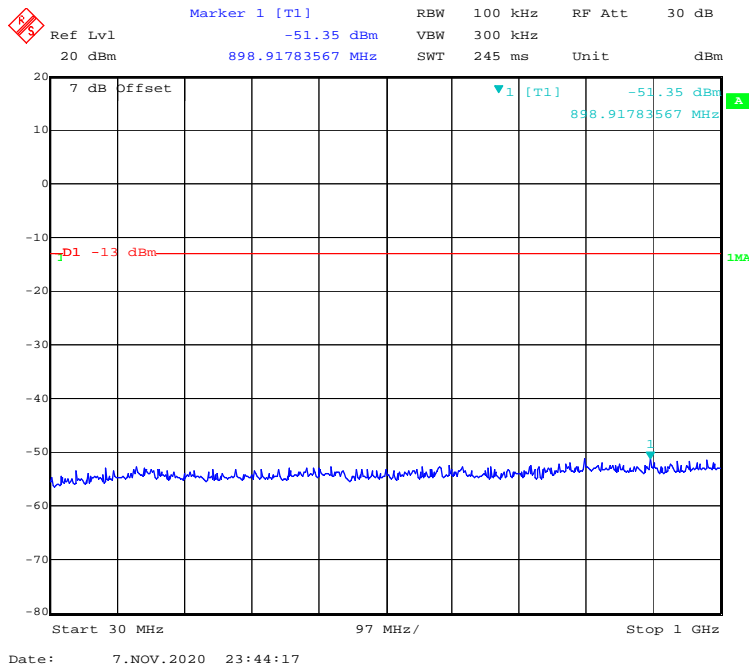
30 MHz – 1 GHz (15 MHz, QPSK, Middle Channel)



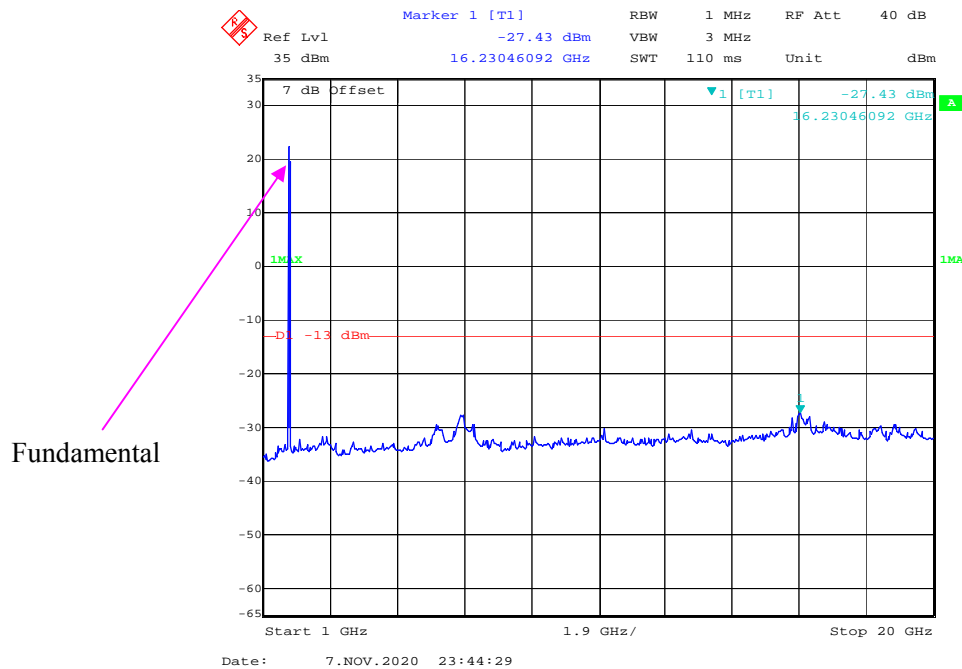
1 GHz – 20 GHz (15 MHz, QPSK, Middle Channel)



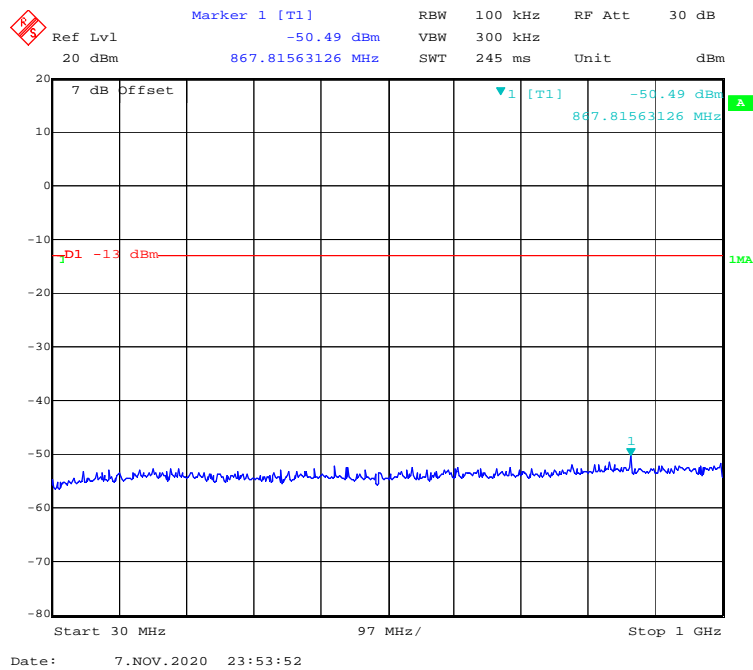
30 MHz – 1 GHz (15 MHz, 16-QAM, Middle Channel)



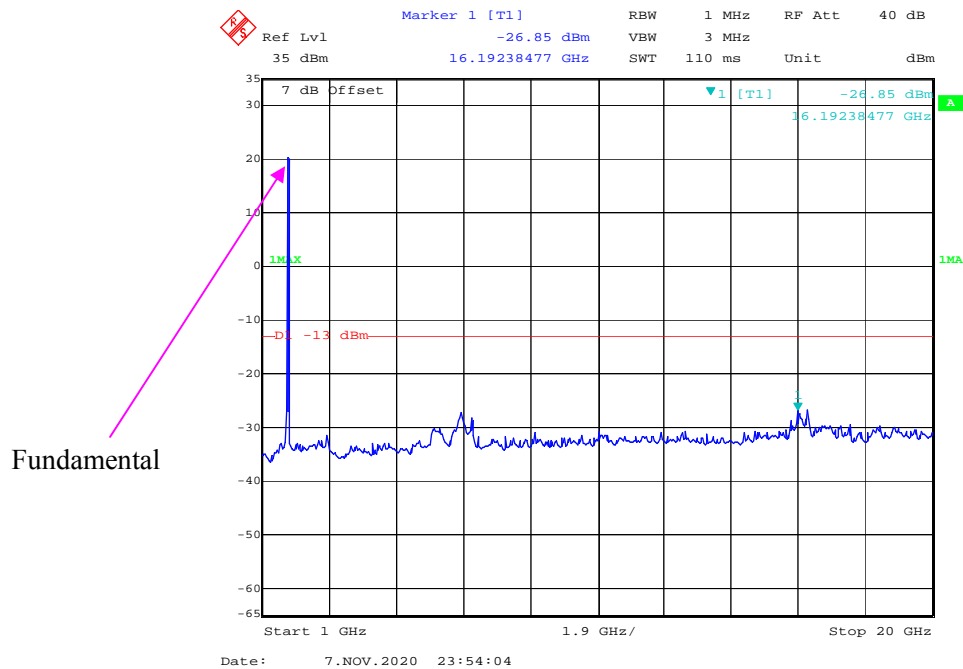
1 GHz – 20 GHz (15 MHz, 16-QAM, Middle Channel)



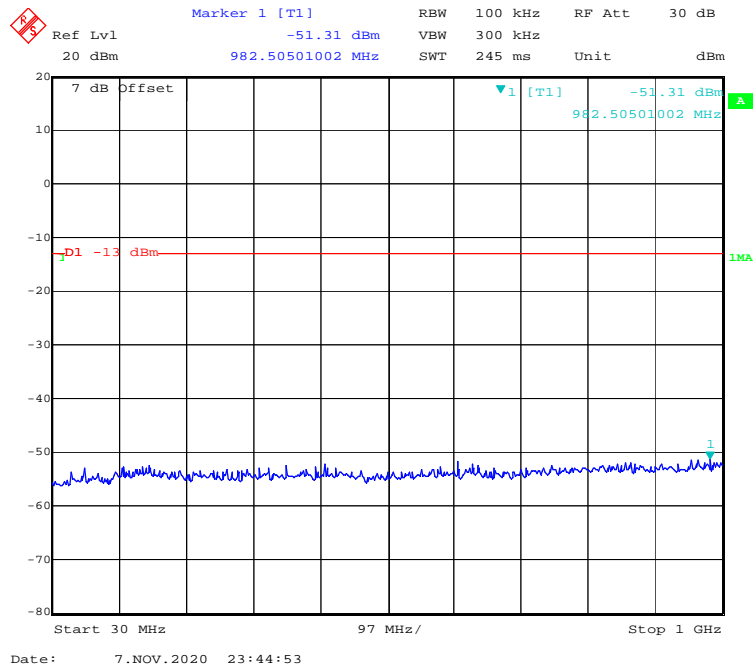
30 MHz – 1 GHz (20 MHz, QPSK, Middle Channel)



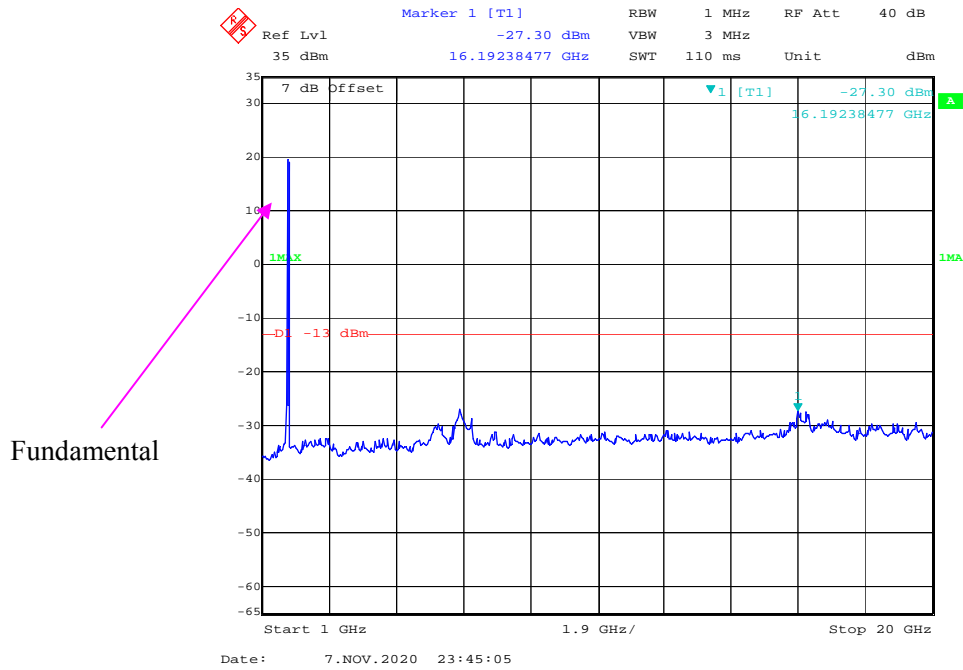
1 GHz – 20 GHz (20 MHz, QPSK, Middle Channel)



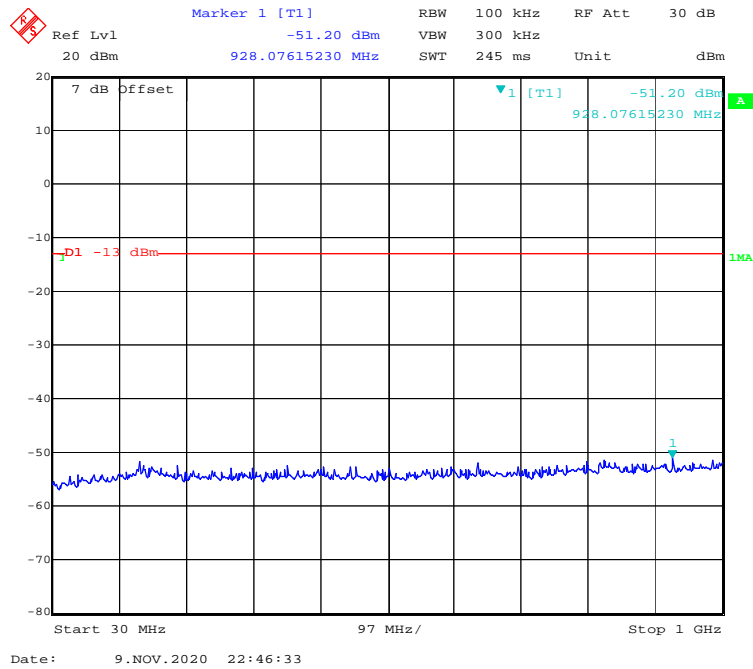
30 MHz – 1 GHz (20 MHz, 16-QAM, Middle Channel)



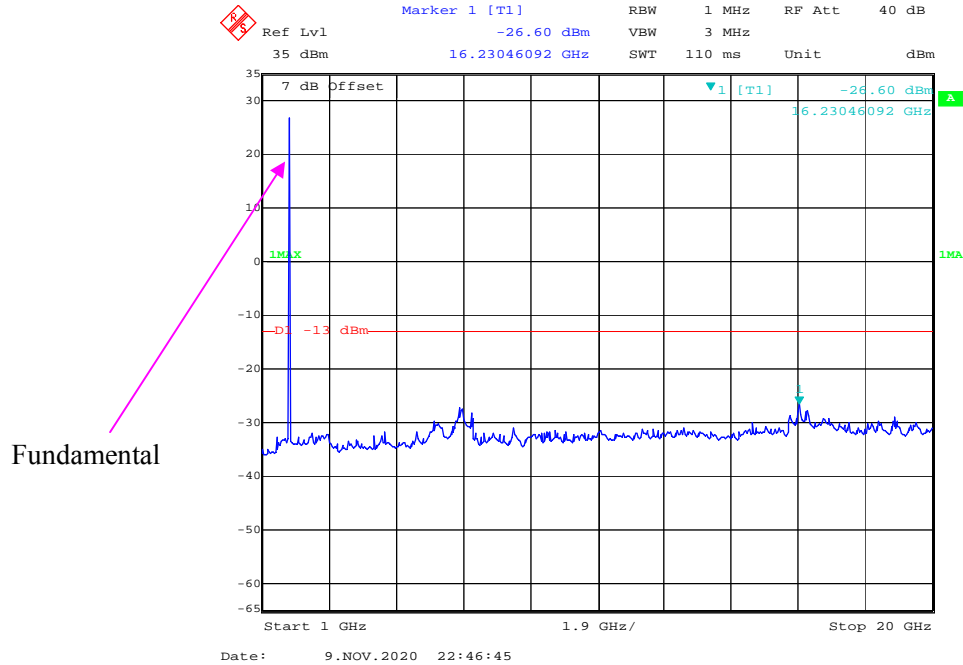
1 GHz – 20 GHz (20 MHz, 16-QAM, Middle Channel)



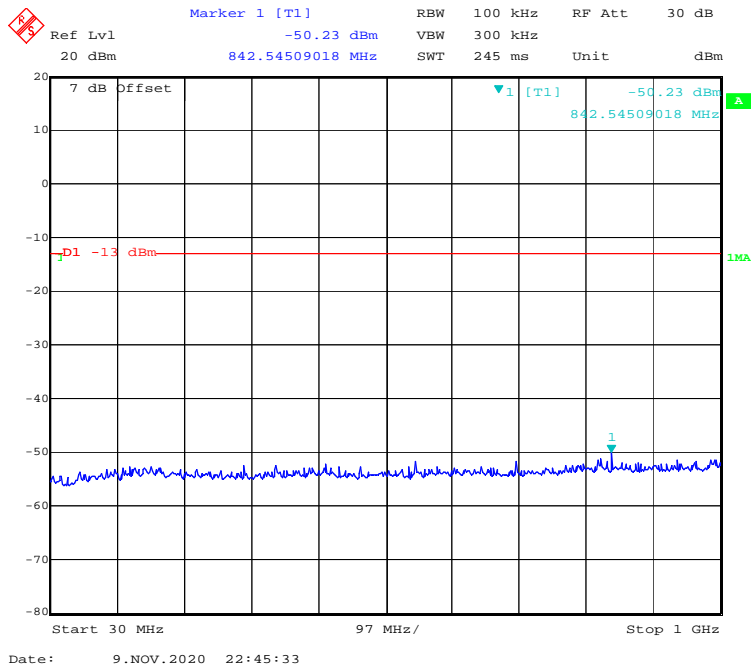
30 MHz – 1 GHz (1.4 MHz, QPSK, High Channel)



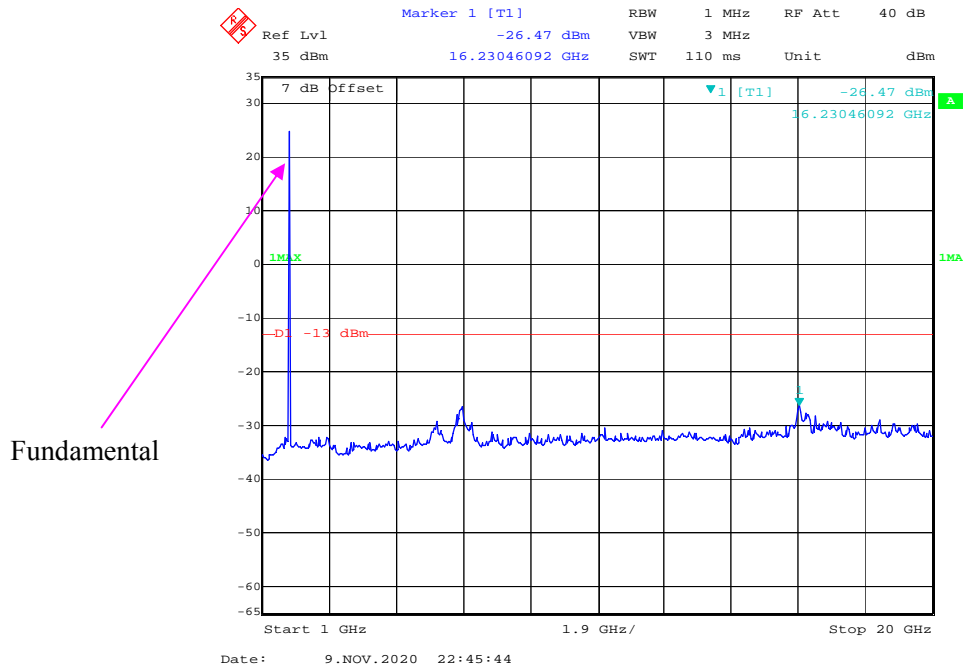
1 GHz – 20 GHz (1.4 MHz, QPSK, High Channel)



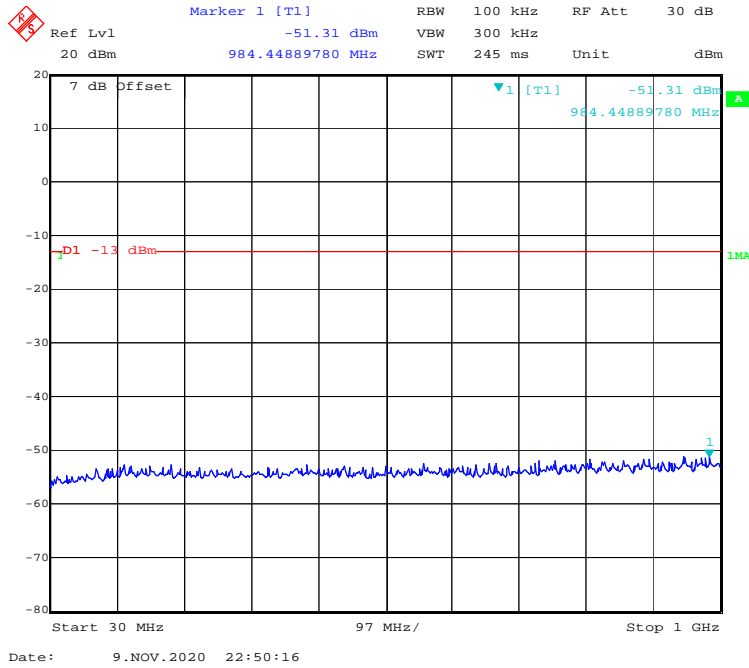
30 MHz – 1 GHz (1.4 MHz, 16-QAM, High Channel)



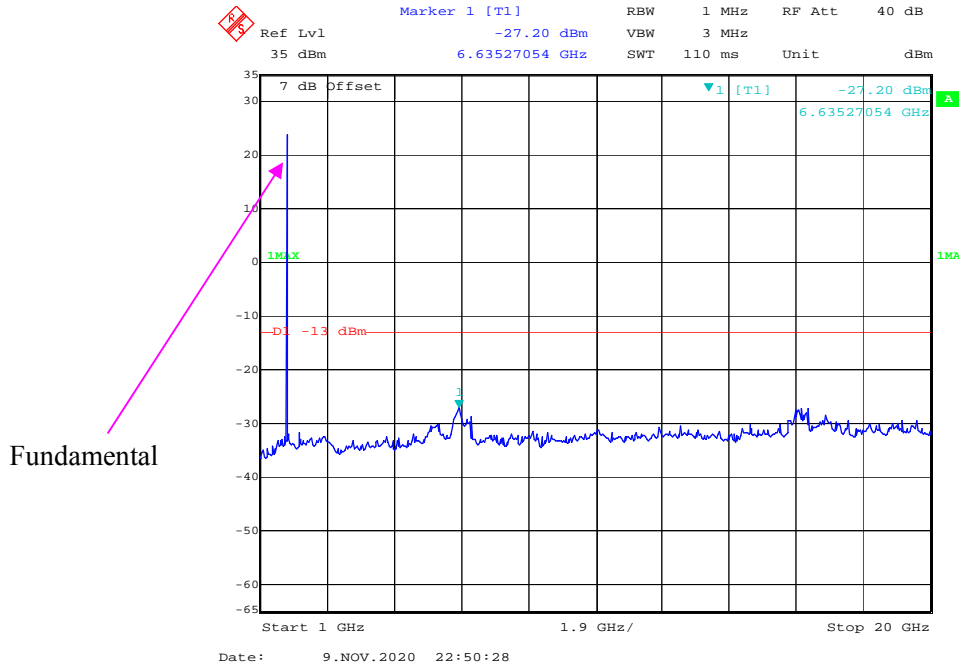
1 GHz – 20 GHz (1.4 MHz, 16-QAM, High Channel)



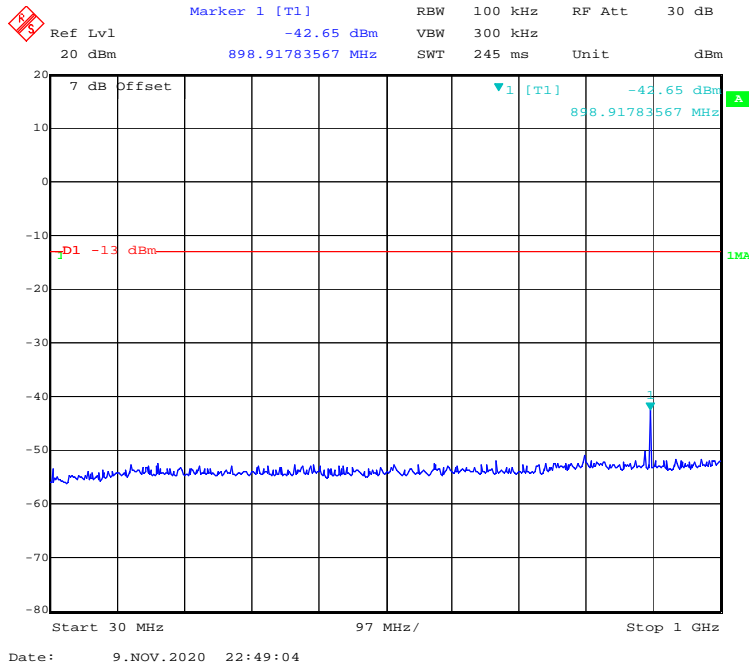
30 MHz – 1 GHz (3 MHz, QPSK, High Channel)



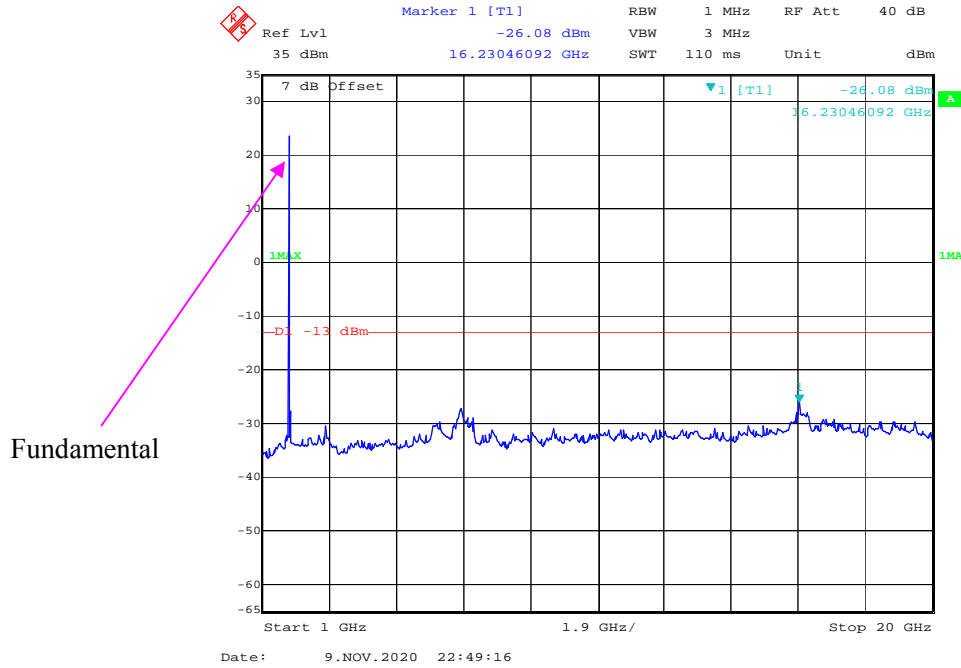
1 GHz – 20 GHz (3 MHz, QPSK, High Channel)



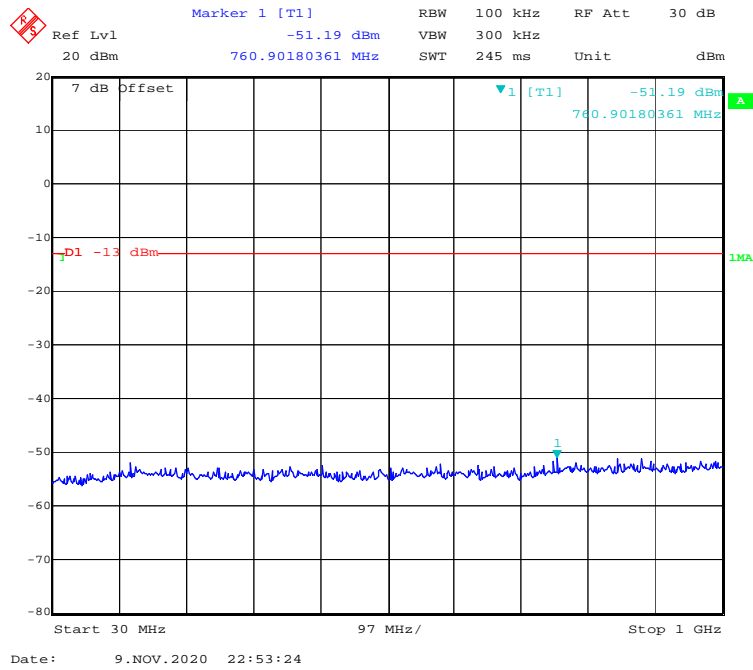
30 MHz – 1 GHz (3 MHz, 16-QAM, High Channel)



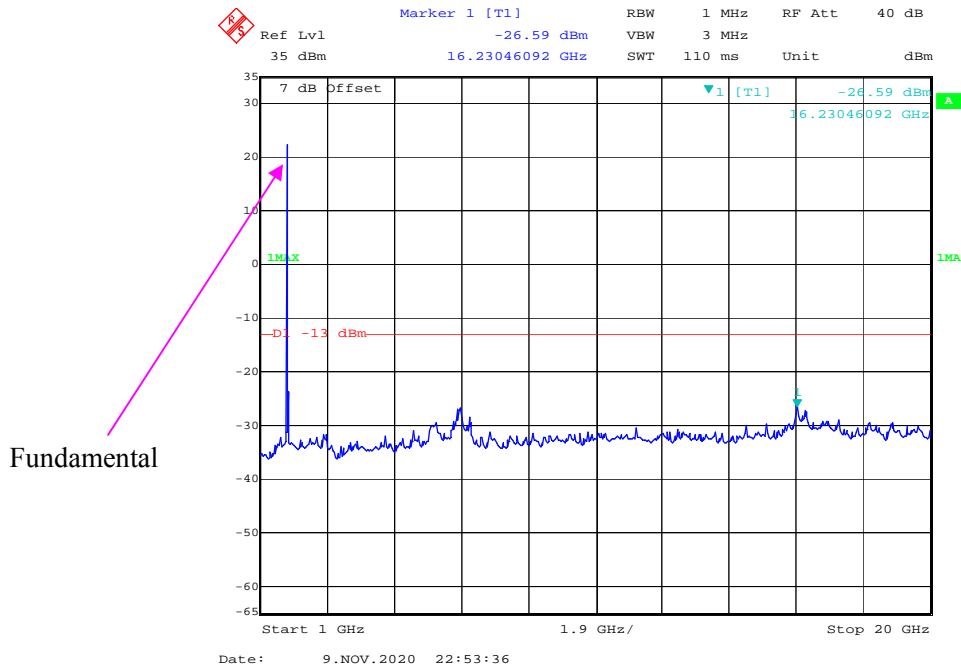
1 GHz – 20 GHz (3 MHz, 16-QAM, High Channel)



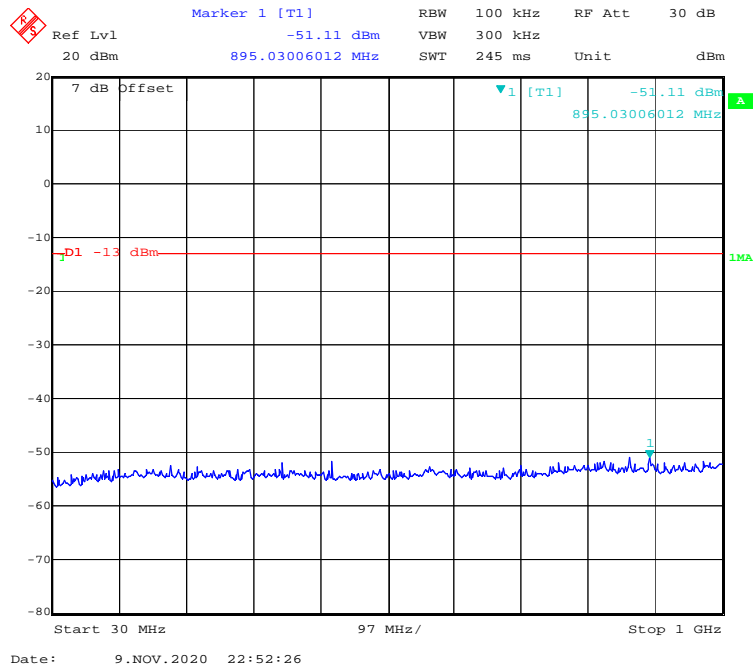
30 MHz – 1 GHz (5 MHz, QPSK, High Channel)



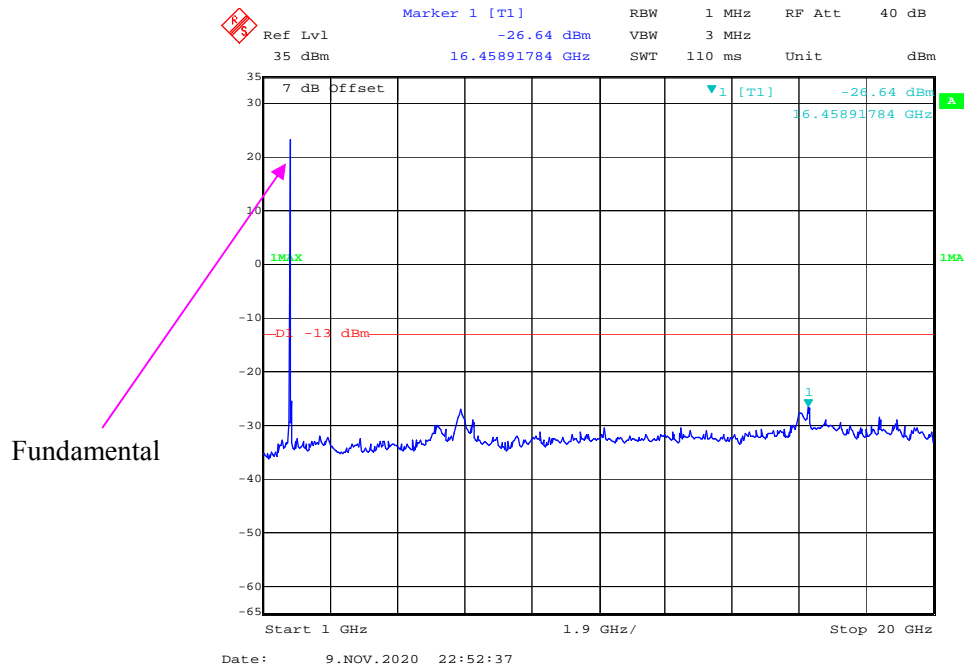
1 GHz – 20 GHz (5 MHz, QPSK, High Channel)



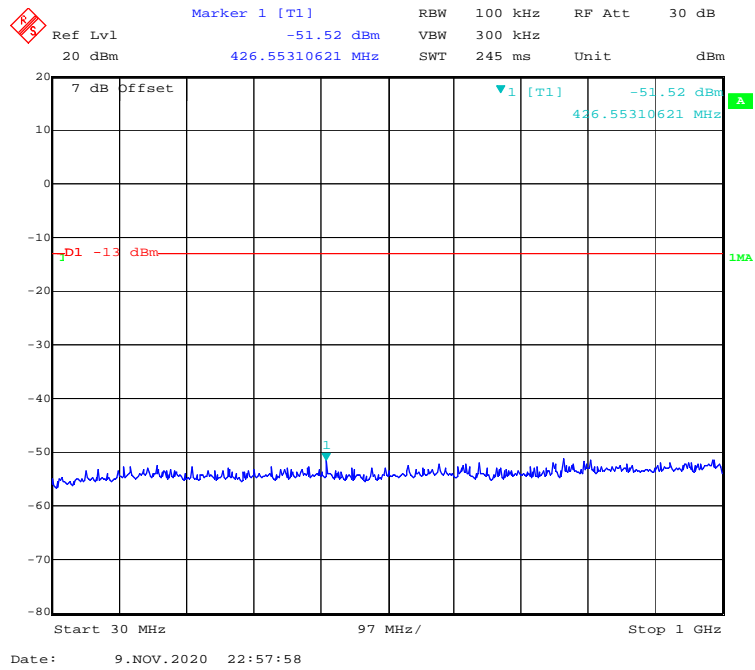
30 MHz – 1 GHz (5 MHz, 16-QAM, High Channel)



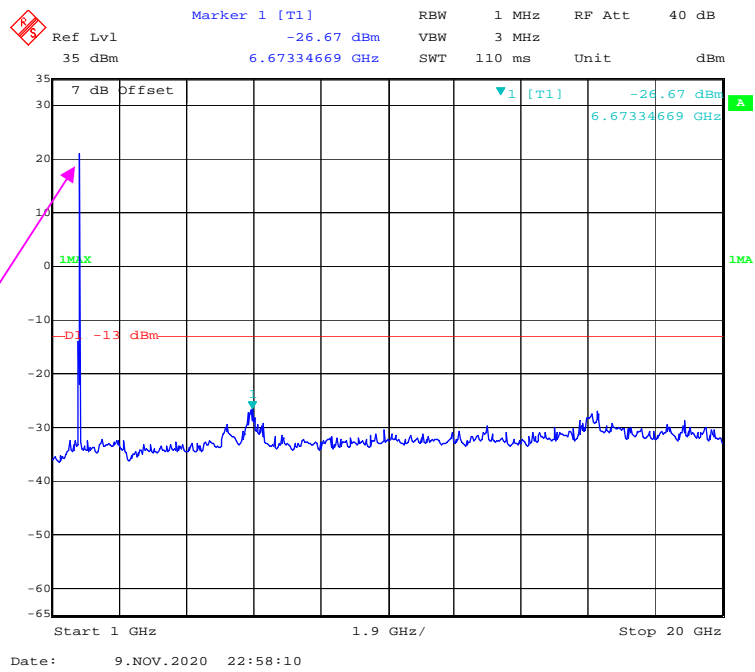
1 GHz – 20 GHz (5 MHz, 16-QAM, High Channel)



30 MHz – 1 GHz (10 MHz, QPSK, High Channel)

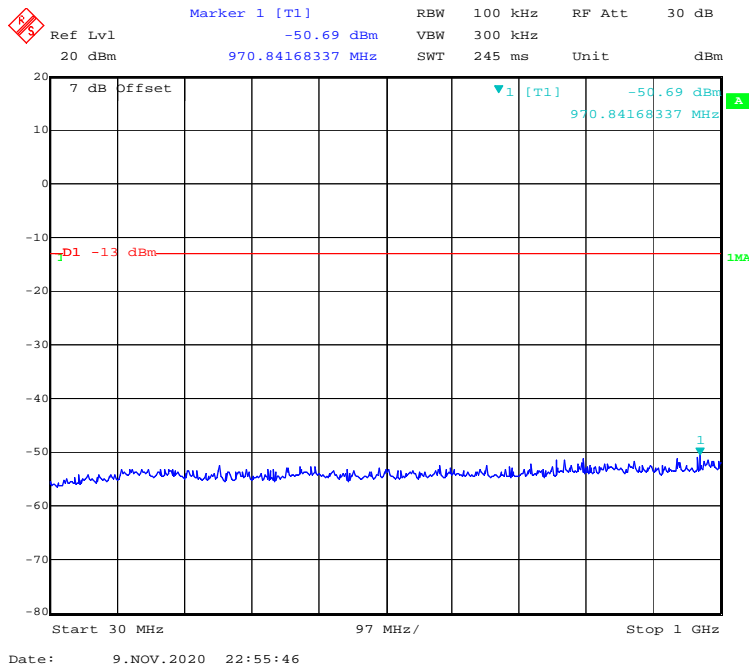


1 GHz – 20 GHz (10 MHz, QPSK, High Channel)

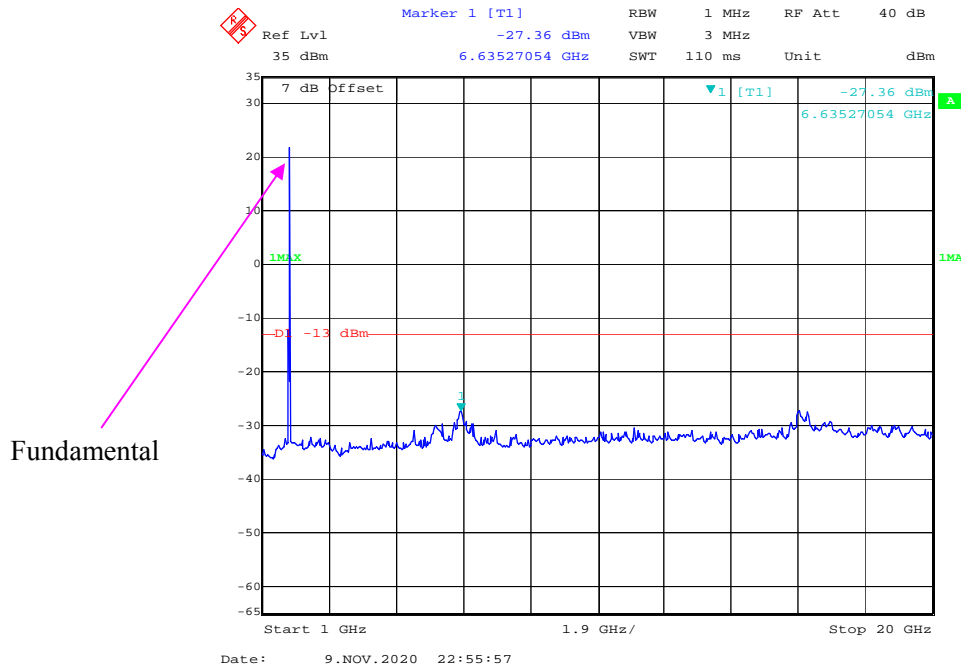


Fundamental

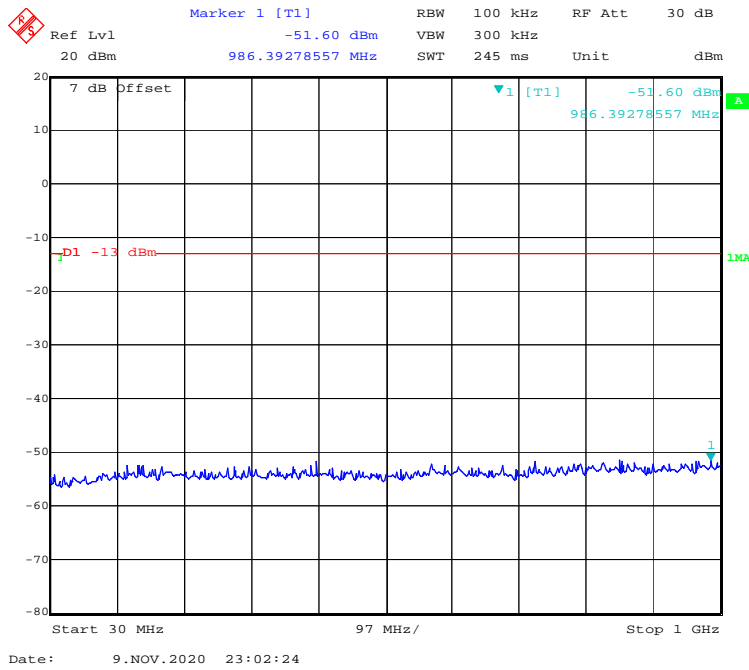
30 MHz – 1 GHz (10 MHz, 16-QAM, High Channel)



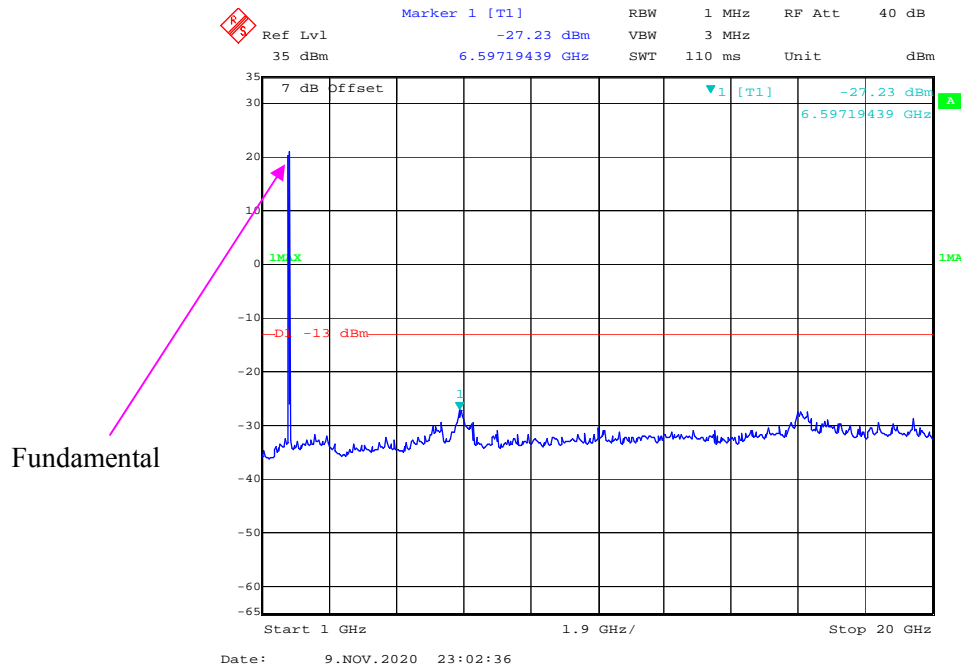
1 GHz – 20 GHz (10 MHz, 16-QAM, High Channel)



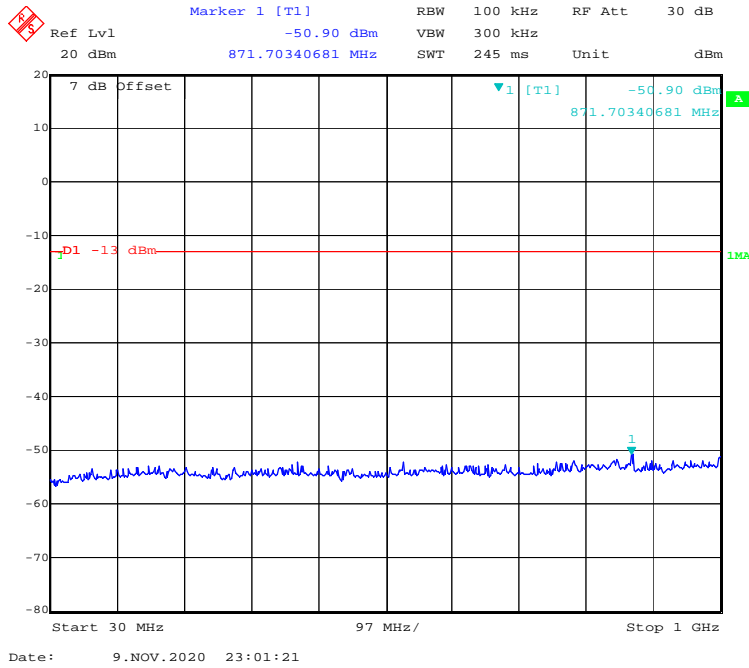
30 MHz – 1 GHz (15 MHz, QPSK, High Channel)



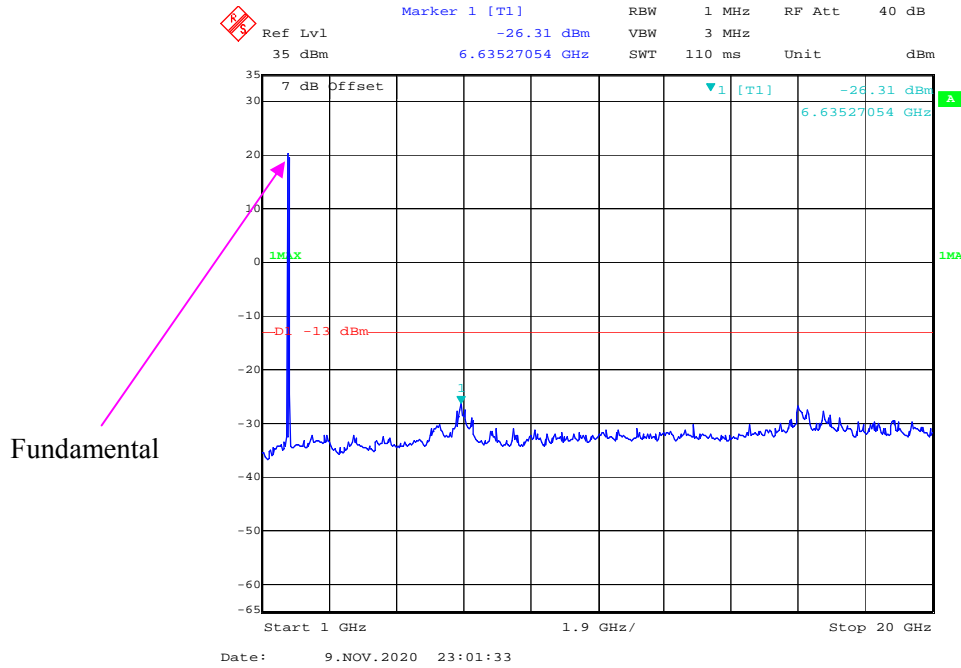
1 GHz – 20 GHz (15 MHz, QPSK, High Channel)



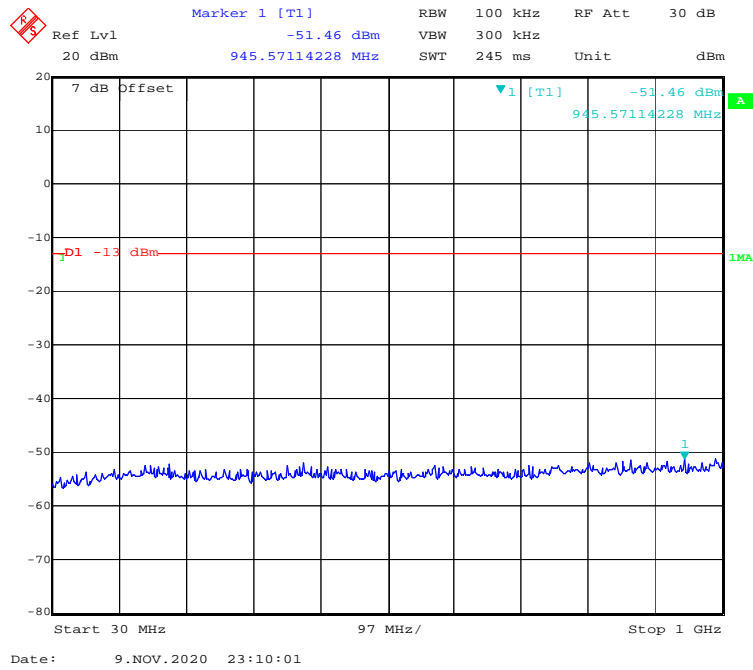
30 MHz – 1 GHz (15 MHz, 16-QAM, High Channel)



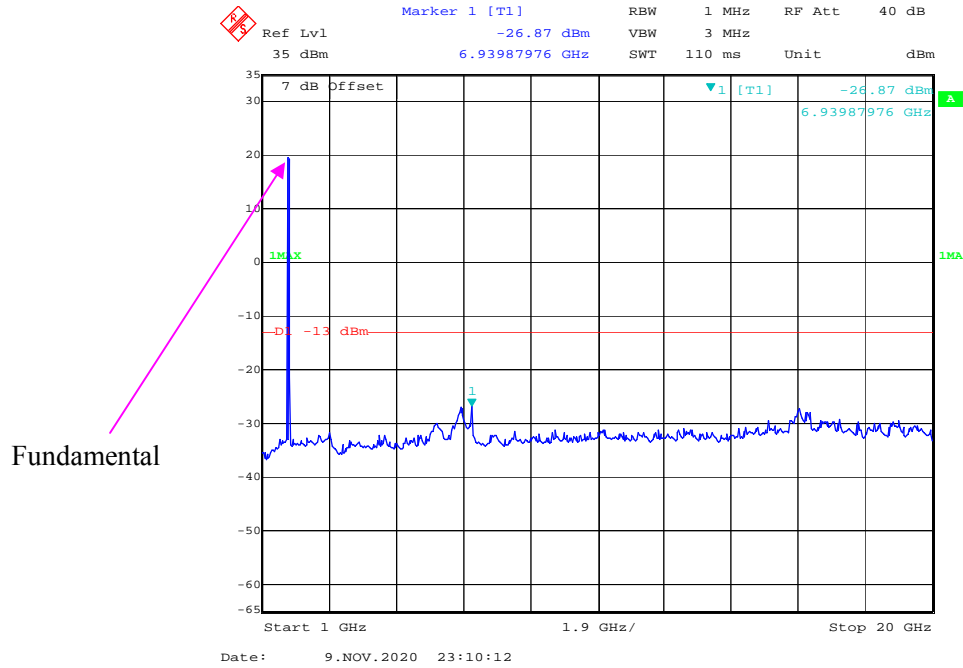
1 GHz – 20 GHz (15 MHz, 16-QAM, High Channel)



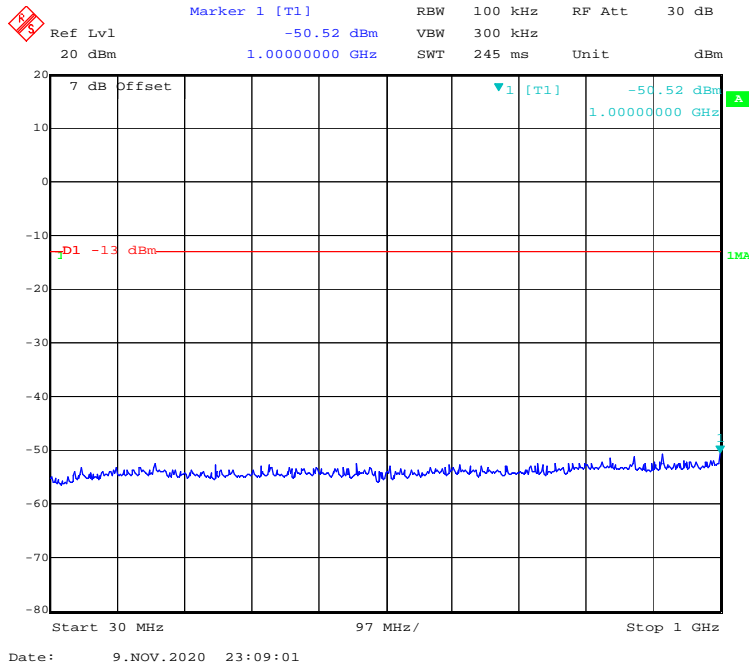
30 MHz – 1 GHz (20 MHz, QPSK, High Channel)



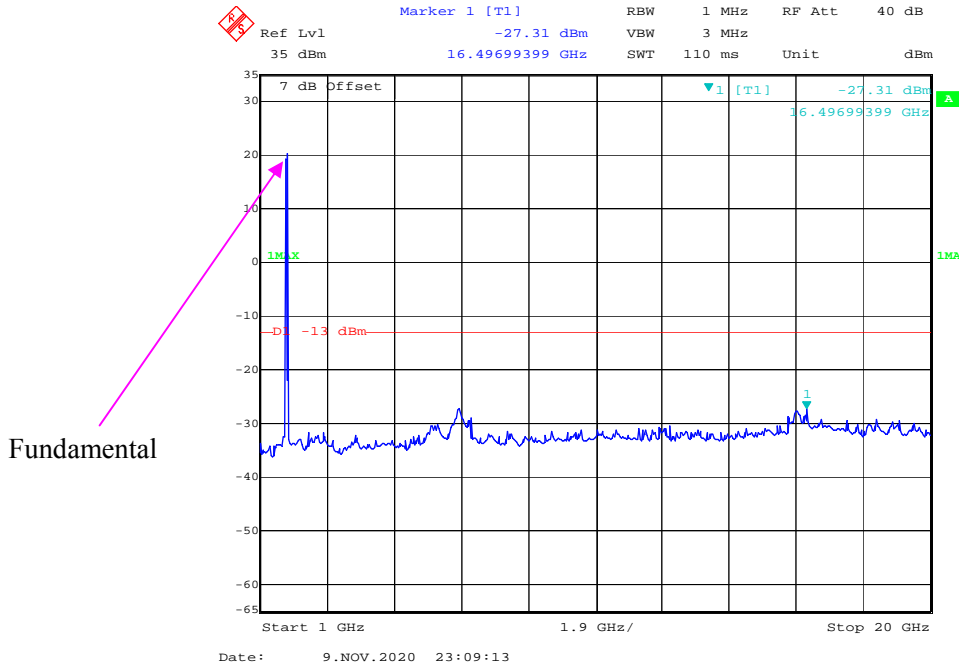
1 GHz – 20 GHz (20 MHz, QPSK, High Channel)



30 MHz – 1 GHz (20 MHz, 16-QAM, High Channel)



1 GHz – 20 GHz (20 MHz, 16-QAM, High Channel)



FCC § 2.1053; § 22.917 (a); § 24.238 (a)& §27.53(h) (m); § 90.691 - SPURIOUS RADIATED EMISSIONS

Applicable Standards

FCC § 2.1053, §22.917(a) and § 24.238(a), §90.691 and § 27.53(h) (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(h) (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 that $43 + 10 \log (P)$ 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.

Rule Part 90.691 specifies that “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.

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:	22.5~23.6 °C
Relative Humidity:	50~52 %
ATM Pressure:	100.7~101.5 kPa

The testing was performed by CK Huang from 2020-11-24 to 2021-01-05.

Test mode: Transmitting

30 MHz ~ 10 GHz:

GSM 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										
199.50	37.46	195	100	H	-68.16	0.42	-3.97	-72.55	-13.00	59.55
199.50	38.69	56	100	V	-66.93	0.42	-3.97	-71.32	-13.00	58.32
1648.40	52.69	78	150	H	-60.66	0.84	8.44	-53.06	-13.00	40.06
1648.40	53.26	96	150	V	-60.09	0.84	8.44	-52.49	-13.00	39.49
GPRS Mode, Middle channel										
199.50	37.96	195	100	H	-67.66	0.42	-3.97	-72.05	-13.00	59.05
199.50	38.69	56	100	V	-66.93	0.42	-3.97	-71.32	-13.00	58.32
1673.20	52.90	78	150	H	-60.45	0.84	8.48	-52.81	-13.00	39.81
1673.20	52.62	96	150	V	-60.73	0.84	8.48	-53.09	-13.00	40.09
GPRS Mode, High channel										
199.50	37.69	195	100	H	-67.93	0.42	-3.97	-72.32	-13.00	59.32
199.50	39.01	56	100	V	-66.61	0.42	-3.97	-71.00	-13.00	58.00
1697.60	51.27	78	150	H	-61.74	0.84	8.52	-54.06	-13.00	41.06
1697.60	52.39	96	150	V	-60.62	0.84	8.52	-52.94	-13.00	39.94

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										
200.35	42.67	219	143	H	-62.93	0.42	-3.94	-67.29	-13.00	54.29
200.35	43.02	91	127	V	-62.58	0.42	-3.94	-66.94	-13.00	53.94
1652.80	56.54	145	104	H	-56.78	0.84	8.44	-61.25	-13.00	48.25
1652.80	57.16	264	201	V	-56.16	0.84	8.44	-62.85	-13.00	49.85
WCDMA Mode, Middle channel										
200.35	42.69	219	143	H	-62.91	0.42	-3.94	-67.27	-13.00	54.27
200.35	43.49	91	127	V	-62.11	0.42	-3.94	-66.47	-13.00	53.47
1673.20	56.54	145	104	H	-41.07	0.83	8.20	-61.84	-13.00	48.84
1673.20	57.16	264	201	V	-40.99	0.83	8.20	-60.19	-13.00	47.19
WCDMA Mode, High channel										
200.35	42.55	219	143	H	-63.05	0.42	-3.94	-67.41	-13.00	54.41
200.35	43.68	91	127	V	-61.92	0.42	-3.94	-66.28	-13.00	53.28
1693.20	56.54	145	104	H	-56.49	0.84	8.51	-60.55	-13.00	47.55
1693.20	57.16	264	201	V	-55.87	0.84	8.51	-61.76	-13.00	48.76

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										
756.04	42.49	55	100	H	-58.36	0.62	-1.47	-60.45	-13.00	60.45
756.04	43.96	302	100	V	-56.89	0.62	-1.47	-58.98	-13.00	58.98
3700.40	39.98	225	150	H	-66.99	0.95	9.78	-58.16	-13.00	58.16
3700.40	40.66	110	150	V	-66.31	0.95	9.78	-57.48	-13.00	57.48
GPRS Mode, Middle channel										
756.04	41.69	55	100	H	-59.16	0.62	-1.47	-61.25	-13.00	61.25
756.04	42.55	302	100	V	-58.30	0.62	-1.47	-60.39	-13.00	60.39
3760.00	40.67	225	150	H	-66.3	0.95	9.74	-57.51	-13.00	57.51
3760.00	40.12	110	150	V	-66.85	0.95	9.74	-58.06	-13.00	58.06
GPRS Mode, High channel										
756.04	44.32	55	100	H	-56.53	0.62	-1.47	-58.62	-13.00	58.62
756.04	42.19	302	100	V	-58.66	0.62	-1.47	-60.75	-13.00	60.75
3819.60	40.35	225	150	H	-66.24	0.96	9.71	-57.49	-13.00	57.49
3819.60	39.15	110	150	V	-67.44	0.96	9.71	-58.69	-13.00	58.69

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										
758.28	42.19	118	156	H	-58.52	0.62	-1.64	-60.78	-13.00	47.78
758.28	42.67	356	141	V	-58.04	0.62	-1.64	-60.30	-13.00	47.30
3704.80	47.61	245	207	H	-59.35	0.95	9.78	-56.96	-13.00	43.96
3704.80	48.35	216	162	V	-58.61	0.95	9.78	-57.09	-13.00	44.09
WCDMA Mode, Middle channel										
758.28	41.68	118	156	H	-59.03	0.62	-1.64	-61.29	-13.00	48.29
758.28	42.97	356	141	V	-57.74	0.62	-1.64	-60.00	-13.00	47.00
3760.00	47.61	245	207	H	-50.06	0.93	9.90	-56.14	-13.00	43.14
3760.00	48.35	216	162	V	-49.79	0.93	9.90	-57.69	-13.00	44.69
WCDMA Mode, High channel										
758.28	43.15	118	156	H	-57.56	0.62	-1.64	-59.82	-13.00	46.82
758.28	42.96	356	141	V	-57.75	0.62	-1.64	-60.01	-13.00	47.01
3815.20	47.61	245	207	H	-58.99	0.96	9.71	-55.09	-13.00	42.09
3815.20	48.35	216	162	V	-58.25	0.96	9.71	57.69	-13.00	-70.69

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 worst 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										
214.75	41.68	226	100	H	-62.71	0.43	-3.45	-58.83	-13.00	45.83
214.75	43.09	307	200	V	-61.30	0.43	-3.45	-57.42	-13.00	44.42
3701.40	41.64	45	150	H	-65.32	0.95	9.78	-56.49	-13.00	43.49
3701.40	40.17	269	100	V	-66.79	0.95	9.78	-57.96	-13.00	44.96
16-QAM 1.4MHz Bandwidth Low Channel										
214.75	41.55	203	150	H	-62.84	0.43	-3.45	-58.96	-13.00	45.96
214.75	43.08	173	150	V	-61.31	0.43	-3.45	-57.43	-13.00	44.43
3701.40	40.15	268	200	H	-66.81	0.95	9.78	-57.98	-13.00	44.98
3701.40	42.04	321	200	V	-64.92	0.95	9.78	-56.09	-13.00	43.09

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 1.4MHz Bandwidth Middle Channel										
214.75	41.04	210	100	H	-63.35	0.43	-3.45	-59.47	-13.00	46.47
214.75	42.69	151	100	V	-61.70	0.43	-3.45	-57.82	-13.00	44.82
3760.00	40.51	348	150	H	-66.27	0.95	9.74	-57.48	-13.00	44.48
3760.00	39.96	89	100	V	-66.82	0.95	9.74	-58.03	-13.00	45.03
16-QAM 1.4MHz Bandwidth Middle Channel										
214.75	42.09	357	150	H	-62.30	0.43	-3.45	-58.42	-13.00	45.42
214.75	43.69	29	150	V	-60.70	0.43	-3.45	-56.82	-13.00	43.82
3760.00	41.30	176	200	H	-65.48	0.95	9.74	-56.69	-13.00	43.69
3760.00	39.33	310	200	V	-67.45	0.95	9.74	-58.66	-13.00	45.66

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										
214.75	41.06	138	100	H	-63.33	0.43	-3.45	-59.45	-13.00	46.45
214.75	43.29	82	200	V	-61.10	0.43	-3.45	-57.22	-13.00	44.22
3818.60	41.39	295	150	H	-65.21	0.96	9.71	-56.46	-13.00	43.46
3818.60	40.80	132	100	V	-65.80	0.96	9.71	-57.05	-13.00	44.05
16-QAM 1.4MHz Bandwidth High Channel										
214.75	40.46	251	150	H	-63.93	0.43	-3.45	-60.05	-13.00	47.05
214.75	43.69	154	150	V	-60.70	0.43	-3.45	-56.82	-13.00	43.82
3818.60	40.89	354	200	H	-65.71	0.96	9.71	-56.96	-13.00	43.96
3818.60	40.73	253	200	V	-65.87	0.96	9.71	-57.12	-13.00	44.12

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										
213.81	40.33	355	100	H	-64.14	0.43	-3.48	-60.23	-13.00	47.23
213.81	42.59	325	200	V	-61.88	0.43	-3.48	-57.97	-13.00	44.97
3421.40	42.92	113	150	H	-65.02	0.93	9.82	-56.13	-13.00	43.13
3421.40	41.09	228	100	V	-66.85	0.93	9.82	-57.96	-13.00	44.96
16-QAM 1.4MHz Bandwidth Low Channel										
213.81	41.05	207	150	H	-63.42	0.43	-3.48	-59.51	-13.00	46.51
213.81	43.13	185	150	V	-61.34	0.43	-3.48	-57.43	-13.00	44.43
3421.40	42.89	276	200	H	-65.05	0.93	9.82	-56.16	-13.00	43.16
3421.40	41.61	125	200	V	-66.33	0.93	9.82	-57.44	-13.00	44.44

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										
213.81	40.22	358	100	H	-64.25	0.43	-3.48	-60.34	-13.00	47.34
213.81	43.15	231	200	V	-61.32	0.43	-3.48	-57.41	-13.00	44.41
3465.00	42.65	188	150	H	-65.10	0.93	9.87	-56.16	-13.00	43.16
3465.00	41.78	318	100	V	-65.97	0.93	9.87	-57.03	-13.00	44.03
16-QAM 1.4MHz Bandwidth Middle Channel										
213.81	40.55	218	150	H	-63.92	0.43	-3.48	-60.01	-13.00	47.01
213.81	42.69	44	150	V	-61.78	0.43	-3.48	-57.87	-13.00	44.87
3465.00	42.36	216	200	H	-65.39	0.93	9.87	-56.45	-13.00	43.45
3465.00	42.79	295	200	V	-64.96	0.93	9.87	-56.02	-13.00	43.02

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 1.4MHz Bandwidth High Channel										
213.81	41.22	30	100	H	-63.25	0.43	-3.48	-59.34	-13.00	46.34
213.81	43.85	128	200	V	-60.62	0.43	-3.48	-56.71	-13.00	43.71
3508.60	41.44	126	150	H	-66.13	0.93	9.90	-57.16	-13.00	44.16
3508.60	41.64	202	100	V	-65.93	0.93	9.90	-56.96	-13.00	43.96
16-QAM 1.4MHz Bandwidth High Channel										
213.81	40.22	331	150	H	-64.25	0.43	-3.48	-60.34	-13.00	47.34
213.81	43.19	239	150	V	-61.28	0.43	-3.48	-57.37	-13.00	44.37
3508.60	41.49	14	200	H	-66.08	0.93	9.90	-57.11	-13.00	44.11
3508.60	41.75	212	200	V	-65.82	0.93	9.90	-56.85	-13.00	43.85

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										
222.78	44.06	116	100	H	-59.65	0.43	-3.18	-56.04	-13.00	43.04
222.78	45.01	173	200	V	-58.70	0.43	-3.18	-55.09	-13.00	42.09
1649.40	59.72	253	150	H	-53.62	0.84	8.44	-46.02	-13.00	33.02
1649.40	59.89	80	100	V	-53.45	0.84	8.44	-45.85	-13.00	32.85
16-QAM 1.4MHz Bandwidth Low Channel										
222.78	43.16	5	150	H	-60.55	0.43	-3.18	-56.94	-13.00	43.94
222.78	44.85	109	150	V	-58.86	0.43	-3.18	-55.25	-13.00	42.25
1649.40	59.57	52	200	H	-53.77	0.84	8.44	-46.17	-13.00	33.17
1649.40	59.76	213	200	V	-53.58	0.84	8.44	-45.98	-13.00	32.98

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										
222.78	44.63	64	100	H	-59.08	0.43	-3.18	-55.47	-13.00	42.47
222.78	45.96	313	200	V	-57.75	0.43	-3.18	-54.14	-13.00	41.14
1673.00	49.81	223	150	H	-53.58	0.84	8.48	-45.94	-13.00	32.94
1673.00	48.90	93	100	V	-54.49	0.84	8.48	-46.85	-13.00	33.85
16-QAM 1.4MHz Bandwidth Middle Channel										
222.78	44.12	155	150	H	-59.59	0.43	-3.18	-55.98	-13.00	42.98
222.78	45.96	323	150	V	-57.75	0.43	-3.18	-54.14	-13.00	41.14
1673.00	50.60	216	200	H	-52.79	0.84	8.48	-45.15	-13.00	32.15
1673.00	48.79	348	200	V	-54.60	0.84	8.48	-46.96	-13.00	33.96

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 High Channel										
222.78	44.12	253	100	H	-59.59	0.43	-3.18	-55.98	-13.00	42.98
222.78	45.34	149	200	V	-58.37	0.43	-3.18	-54.76	-13.00	41.76
1696.60	59.32	330	150	H	-53.69	0.84	8.51	-46.02	-13.00	33.02
1696.60	59.49	45	100	V	-53.52	0.84	8.51	-45.85	-13.00	32.85
16-QAM 1.4MHz Bandwidth High Channel										
222.78	43.19	256	150	H	-60.52	0.43	-3.18	-56.91	-13.00	43.91
222.78	45.08	337	150	V	-58.63	0.43	-3.18	-55.02	-13.00	42.02
1696.60	58.49	128	200	H	-54.52	0.84	8.51	-46.85	-13.00	33.85
1696.60	60.15	61	200	V	-52.86	0.84	8.51	-45.19	-13.00	32.19

30MHz~26.5GHz:

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										
222.66	43.19	54	200	H	-60.53	0.43	-3.18	-56.92	-25.00	31.92
222.66	45.07	346	200	V	-58.65	0.43	-3.18	-55.04	-25.00	30.04
5005.00	40.81	183	100	H	-65.18	1.08	10.30	-55.96	-25.00	30.96
5005.00	41.92	346	150	V	-64.07	1.08	10.30	-54.85	-25.00	29.85
16-QAM 5MHz Bandwidth Low Channel										
222.66	43.15	142	100	H	-60.57	0.43	-3.18	-56.96	-25.00	31.96
222.66	45.85	4	150	V	-57.87	0.43	-3.18	-54.26	-25.00	29.26
5005.00	42.01	130	150	H	-63.98	1.08	10.30	-54.76	-25.00	29.76
5005.00	40.92	298	200	V	-65.07	1.08	10.30	-55.85	-25.00	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										
222.66	44.34	64	200	H	-59.38	0.43	-3.18	-55.77	-25.00	30.77
222.66	45.96	137	200	V	-57.76	0.43	-3.18	-54.15	-25.00	29.15
5070.00	30.68	213	100	H	-64.60	1.09	10.30	-55.39	-25.00	30.39
5070.00	29.22	232	150	V	-66.06	1.09	10.30	-56.85	-25.00	31.85
16-QAM 5MHz Bandwidth Middle Channel										
222.66	43.98	219	100	H	-59.74	0.43	-3.18	-56.13	-25.00	31.13
222.66	45.05	111	150	V	-58.67	0.43	-3.18	-55.06	-25.00	30.06
5070.00	31.10	238	150	H	-64.18	1.09	10.30	-54.97	-25.00	29.97
5070.00	29.22	26	200	V	-66.06	1.09	10.30	-56.85	-25.00	31.85

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										
222.66	42.97	176	200	H	-60.75	0.43	-3.18	-57.14	-25.00	32.14
222.66	44.17	227	200	V	-59.55	0.43	-3.18	-55.94	-25.00	30.94
5135.00	41.31	182	100	H	-63.96	1.10	10.30	-54.76	-25.00	29.76
5135.00	39.23	141	150	V	-66.04	1.10	10.30	-56.84	-25.00	31.84
16-QAM 5MHz Bandwidth High Channel										
222.66	43.12	193	100	H	-60.60	0.43	-3.18	-56.99	-25.00	31.99
222.66	42.96	117	150	V	-60.76	0.43	-3.18	-57.15	-25.00	32.15
5135.00	41.31	117	150	H	-63.96	1.10	10.30	-54.76	-25.00	29.76
5135.00	39.26	270	200	V	-66.01	1.10	10.30	-56.81	-25.00	31.81

30MHz~10GHz:

LTE Band 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 1.4MHz Bandwidth Low Channel										
223.63	43.58	142	100	H	-60.06	0.43	-3.15	-56.48	-13.00	43.48
223.63	44.94	17	200	V	-58.70	0.43	-3.15	-55.12	-13.00	42.12
1399.40	50.91	215	150	H	-63.26	0.82	7.92	-56.16	-13.00	43.16
1399.40	49.09	32	100	V	-65.08	0.82	7.92	-57.98	-13.00	44.98
16-QAM 1.4MHz Bandwidth Low Channel										
223.63	43.22	156	150	H	-60.42	0.43	-3.15	-56.84	-13.00	43.84
223.63	44.94	217	150	V	-58.70	0.43	-3.15	-55.12	-13.00	42.12
1399.40	50.23	304	200	H	-63.94	0.82	7.92	-56.84	-13.00	43.84
1399.40	49.98	324	200	V	-64.19	0.82	7.92	-57.09	-13.00	44.09

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 1.4MHz Bandwidth Middle Channel										
223.63	43.58	306	100	H	-60.06	0.43	-3.15	-56.48	-13.00	43.48
223.63	44.19	133	200	V	-59.45	0.43	-3.15	-55.87	-13.00	42.87
1415.00	49.77	6	150	H	-64.43	0.82	7.96	-57.29	-13.00	44.29
1415.00	49.08	26	100	V	-65.12	0.82	7.96	-57.98	-13.00	44.98
16-QAM 1.4MHz Bandwidth Middle Channel										
223.63	43.12	347	150	H	-60.52	0.43	-3.15	-56.94	-13.00	43.94
223.63	44.85	88	150	V	-58.79	0.43	-3.15	-55.21	-13.00	42.21
1415.00	49.03	164	200	H	-65.17	0.82	7.96	-58.03	-13.00	45.03
1415.00	49.93	76	200	V	-64.27	0.82	7.96	-57.13	-13.00	44.13

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										
223.63	44.25	32	100	H	-59.39	0.43	-3.15	-55.81	-13.00	42.81
223.63	43.96	253	200	V	-59.68	0.43	-3.15	-56.10	-13.00	43.10
1430.60	50.08	350	150	H	-64.15	0.82	8.00	-56.97	-13.00	43.97
1430.60	49.17	223	100	V	-65.06	0.82	8.00	-57.88	-13.00	44.88
16-QAM 1.4MHz Bandwidth High Channel										
223.63	43.85	1	150	H	-59.79	0.43	-3.15	-56.21	-13.00	43.21
223.63	44.96	90	150	V	-58.68	0.43	-3.15	-55.10	-13.00	42.10
1430.60	50.08	76	200	H	-64.15	0.82	8.00	-56.97	-13.00	43.97
1430.60	50.02	216	200	V	-64.21	0.82	8.00	-57.03	-13.00	44.03

LTE Band 17:

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										
219.99	43.12	352	100	H	-60.83	0.43	-3.18	-64.44	-13.00	51.44
219.99	44.85	273	200	V	-59.10	0.43	-3.18	-62.71	-13.00	49.71
1413.00	46.86	218	150	H	-68.11	0.83	8.06	-60.88	-13.00	47.88
1413.00	45.98	264	100	V	-68.99	0.83	8.06	-61.76	-13.00	48.76
16-QAM 5MHz Bandwidth Low Channel										
219.99	43.02	302	100	H	-60.93	0.43	-3.18	-64.54	-13.00	51.54
219.99	44.97	305	200	V	-58.98	0.43	-3.18	-62.59	-13.00	49.59
1413.00	55.68	206	200	H	-59.29	0.83	8.06	-52.06	-13.00	39.06
1413.00	56.42	113	200	V	-58.55	0.83	8.06	-51.32	-13.00	38.32

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										
219.99	43.67	118	100	H	-60.28	0.43	-3.27	-63.98	-13.00	50.98
219.99	45.96	320	200	V	-57.99	0.43	-3.27	-61.69	-13.00	48.69
1420.00	46.85	335	150	H	-68.07	0.83	8.07	-60.83	-13.00	47.83
1420.00	46.49	216	100	V	-68.43	0.83	8.07	-61.19	-13.00	48.19
16-QAM 5MHz Bandwidth Middle Channel										
219.99	43.55	162	100	H	-60.40	0.55	-1.71	-62.66	-13.00	49.66
219.99	44.77	197	200	V	-59.18	0.55	-1.71	-61.44	-13.00	48.44
1420.00	47.24	137	200	H	-67.68	0.83	8.07	-60.44	-13.00	47.44
1420.00	45.59	72	200	V	-69.33	0.83	8.07	-62.09	-13.00	49.09

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										
219.99	43.12	117	100	H	-60.83	0.43	-3.27	-64.53	-13.00	51.53
219.99	44.95	70	200	V	-59.00	0.43	-3.27	-62.70	-13.00	49.70
1427.00	46.08	8	150	H	-68.80	0.83	8.08	-61.55	-13.00	48.55
1427.00	44.68	305	100	V	-70.20	0.83	8.08	-62.95	-13.00	49.95
16-QAM 5MHz Bandwidth High Channel										
219.99	43.22	339	100	H	-60.73	0.43	-3.27	-64.43	-13.00	51.43
219.99	44.98	117	200	V	-58.97	0.43	-3.27	-62.67	-13.00	49.67
1427.00	46.78	128	200	H	-68.10	0.83	8.08	-60.85	-13.00	47.85
1427.00	44.84	136	200	V	-70.04	0.83	8.08	-62.79	-13.00	49.79

30 MHz ~ 20 GHz:

LTE Band 25:

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										
215.63	41.55	267	100	H	-62.76	0.43	-3.42	-66.61	-13.00	53.61
215.63	42.79	346	200	V	-61.52	0.43	-3.42	-65.37	-13.00	52.37
3611.40	43.17	249	150	H	-64.08	0.94	9.83	-55.19	-13.00	42.19
3611.40	41.54	1	100	V	-65.71	0.94	9.83	-56.82	-13.00	43.82
16-QAM 1.4MHz Bandwidth Low Channel										
215.63	42.03	141	100	H	-62.28	0.43	-3.42	-66.13	-13.00	53.13
215.63	43.66	143	200	V	-60.65	0.43	-3.42	-64.50	-13.00	51.50
3611.40	43.24	317	200	H	-64.01	0.94	9.83	-55.12	-13.00	42.12
3611.40	41.64	85	200	V	-65.61	0.94	9.83	-56.72	-13.00	43.72

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										
215.63	41.69	162	100	H	-62.62	0.43	-3.42	-66.47	-13.00	53.47
215.63	42.55	22	200	V	-61.76	0.43	-3.42	-65.61	-13.00	52.61
3765.00	42.44	321	150	H	-64.32	0.95	9.74	-55.53	-13.00	42.53
3765.00	41.48	287	100	V	-65.28	0.95	9.74	-56.49	-13.00	43.49
16-QAM 1.4MHz Bandwidth Middle Channel										
215.63	41.22	243	100	H	-63.09	0.43	-3.42	-66.94	-13.00	53.94
215.63	43.59	44	200	V	-60.72	0.43	-3.42	-64.57	-13.00	51.57
3765.00	42.21	156	200	H	-64.55	0.95	9.74	-55.76	-13.00	42.76
3765.00	41.06	29	200	V	-65.70	0.95	9.74	-56.91	-13.00	43.91

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 1.4MHz Bandwidth High Channel										
215.63	42.16	108	100	H	-62.15	0.43	-3.42	-66.00	-13.00	53.00
215.63	43.22	355	200	V	-61.09	0.43	-3.42	-64.94	-13.00	51.94
3828.60	41.69	140	150	H	-64.87	0.96	9.70	-56.13	-13.00	43.13
3828.60	41.85	224	100	V	-64.71	0.96	9.70	-55.97	-13.00	42.97
16-QAM 1.4MHz Bandwidth High Channel										
215.63	40.55	349	100	H	-63.76	0.43	-3.42	-67.61	-13.00	54.61
215.63	42.97	163	200	V	-61.34	0.43	-3.42	-65.19	-13.00	52.19
3828.60	41.97	183	200	H	-64.59	0.96	9.70	-55.85	-13.00	42.85
3828.60	41.06	351	200	V	-65.50	0.96	9.70	-56.76	-13.00	43.76

30 MHz ~ 10 GHz:

LTE Band 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 1.4MHz Bandwidth Low Channel										
221.71	42.66	137	100	H	-61.14	0.43	-3.21	-64.78	-13.00	51.78
221.71	44.76	137	200	V	-59.04	0.43	-3.21	-62.68	-13.00	49.68
1629.40	67.35	193	100	H	-46.12	0.84	8.41	-38.55	-13.00	25.55
1629.40	66.46	234	150	V	-47.01	0.84	8.41	-39.44	-13.00	26.44
16-QAM 1.4MHz Bandwidth Low Channel										
221.71	41.49	352	100	H	-62.31	0.43	-3.21	-65.95	-13.00	52.95
221.71	44.02	197	150	V	-59.78	0.43	-3.21	-40.35	-13.00	27.35
1629.40	67.35	156	150	H	-46.12	0.84	8.41	-38.55	-13.00	25.55
1629.40	66.41	227	200	V	-47.06	0.84	8.41	-39.49	-13.00	26.49

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										
221.71	43.33	7	100	H	-60.47	0.43	-3.21	-64.11	-13.00	51.11
221.71	44.55	135	200	V	-59.25	0.43	-3.21	-62.89	-13.00	49.89
1663.00	66.77	116	100	H	-46.47	0.84	8.46	-38.85	-13.00	25.85
1663.00	66.47	333	150	V	-46.77	0.84	8.46	-39.15	-13.00	26.15
16-QAM 1.4MHz Bandwidth Middle Channel										
221.71	43.12	36	100	H	-60.68	0.43	-3.21	-64.32	-13.00	51.32
221.71	44.88	119	200	V	-58.92	0.43	-3.21	-62.56	-13.00	49.56
1663.00	66.96	262	150	H	-46.28	0.84	8.46	-38.66	-13.00	25.66
1663.00	66.60	232	200	V	-46.64	0.84	8.46	-39.02	-13.00	26.02

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 1.4MHz Bandwidth High Channel										
221.71	43.02	305	100	H	-60.78	0.43	-3.21	-64.42	-13.00	51.42
221.71	44.85	344	200	V	-58.95	0.43	-3.21	-62.59	-13.00	49.59
1696.60	67.23	317	100	H	-45.78	0.84	8.51	-38.11	-13.00	25.11
1696.60	66.12	224	150	V	-46.89	0.84	8.51	-39.22	-13.00	26.22
16-QAM 1.4MHz Bandwidth High Channel										
221.71	42.19	111	100	H	-61.61	0.43	-3.21	-65.25	-13.00	52.25
221.71	44.55	5	200	V	-59.25	0.43	-3.21	-62.89	-13.00	49.89
1696.60	66.35	6	150	H	-46.66	0.84	8.51	-38.99	-13.00	25.99
1696.60	65.78	140	200	V	-47.23	0.84	8.51	-39.56	-13.00	26.56

30 MHz ~ 26.5 GHz:

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										
220.72	42.55	87	100	H	-61.34	0.43	-3.25	-57.66	-25.00	32.66
220.72	45.36	47	200	V	-58.53	0.43	-3.25	-54.85	-25.00	29.85
5145.00	42.55	355	100	H	-62.66	1.10	10.30	-53.46	-25.00	28.46
5145.00	41.16	195	150	V	-64.05	1.10	10.30	-54.85	-25.00	29.85
16-QAM 5MHz Bandwidth Low Channel										
220.72	43.22	123	100	H	-60.67	0.43	-3.25	-56.99	-25.00	31.99
220.72	44.58	181	150	V	-59.31	0.43	-3.25	-55.63	-25.00	30.63
5145.00	42.79	221	100	H	-62.42	1.10	10.30	-53.22	-25.00	28.22
5145.00	42.92	213	200	V	-62.29	1.10	10.30	-53.09	-25.00	28.09

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										
220.72	43.47	311	100	H	-60.42	0.43	-3.25	-56.74	-25.00	31.74
220.72	44.19	115	200	V	-59.70	0.43	-3.25	-56.02	-25.00	31.02
5190.00	42.11	343	100	H	-63.10	1.10	10.30	-53.90	-25.00	28.90
5190.00	41.89	103	150	V	-63.32	1.10	10.30	-54.12	-25.00	29.12
16-QAM 5MHz Bandwidth Middle Channel										
220.72	41.64	284	100	H	-62.25	0.43	-3.25	-58.57	-25.00	33.57
220.72	44.55	59	150	V	-59.34	0.43	-3.25	-55.66	-25.00	30.66
5190.00	42.89	207	100	H	-62.32	1.10	10.30	-53.12	-25.00	28.12
5190.00	41.05	261	200	V	-64.16	1.10	10.30	-54.96	-25.00	29.96

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 High Channel										
220.72	43.22	279	100	H	-60.67	0.43	-3.25	-56.99	-25.00	31.99
220.72	44.97	249	200	V	-58.92	0.43	-3.25	-55.24	-25.00	30.24
5235.00	41.40	342	100	H	-63.31	1.11	10.30	-54.12	-25.00	29.12
5235.00	41.56	10	150	V	-63.15	1.11	10.30	-53.96	-25.00	28.96
16-QAM 5MHz Bandwidth High Channel										
220.72	42.11	234	100	H	-61.78	0.43	-3.25	-58.10	-25.00	33.10
220.72	44.97	91	150	V	-58.92	0.43	-3.25	-55.24	-25.00	30.24
5235.00	41.27	204	100	H	-63.44	1.11	10.30	-54.25	-25.00	29.25
5235.00	41.56	221	200	V	-63.15	1.11	10.30	-53.96	-25.00	28.96

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										
221.69	41.68	296	150	H	-62.12	0.43	-3.21	-58.48	-40.00	18.48
221.69	44.08	259	200	V	-59.72	0.43	-3.21	-56.08	-40.00	16.08
4615.00	41.94	39	100	H	-64.98	1.03	9.99	-56.02	-40.00	16.02
4615.00	42.50	144	100	V	-64.42	1.03	9.99	-55.46	-40.00	15.46
16-QAM 5MHz Bandwidth Low Channel										
221.69	44.03	145	200	H	-59.77	0.43	-3.21	-56.13	-40.00	16.13
221.69	43.96	97	150	V	-59.84	0.43	-3.21	-56.20	-40.00	16.20
4615.00	41.20	339	150	H	-65.72	1.03	9.99	-56.76	-40.00	16.76
4615.00	43.41	9	100	V	-63.51	1.03	9.99	-54.55	-40.00	14.55

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										
221.69	44.88	291	150	H	-58.92	0.43	-3.21	-55.28	-40.00	15.28
221.69	46.22	136	200	V	-57.58	0.43	-3.21	-53.94	-40.00	13.94
4620.00	41.47	186	100	H	-65.44	1.03	10.00	-56.47	-40.00	16.47
4620.00	40.92	85	100	V	-65.99	1.03	10.00	-57.02	-40.00	17.02
16-QAM 5MHz Bandwidth Middle Channel										
221.69	44.22	178	200	H	-59.58	0.43	-3.21	-55.94	-40.00	15.94
221.69	45.96	344	150	V	-57.84	0.43	-3.21	-54.20	-40.00	14.20
4620.00	41.92	274	150	H	-64.99	1.03	10.00	-56.02	-40.00	16.02
4620.00	41.96	212	100	V	-64.95	1.03	10.00	-55.98	-40.00	15.98

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										
221.69	42.66	266	150	H	-61.14	0.43	-3.21	-57.50	-40.00	17.50
221.69	44.55	9	200	V	-59.25	0.43	-3.21	-55.61	-40.00	15.61
4625.00	41.18	203	100	H	-65.72	1.04	10.00	-56.76	-40.00	16.76
4625.00	42.77	170	100	V	-64.13	1.04	10.00	-55.17	-40.00	15.17
16-QAM 5MHz Bandwidth High Channel										
221.69	41.55	294	200	H	-62.25	0.43	-3.21	-58.61	-40.00	18.61
221.69	43.76	96	150	V	-60.04	0.43	-3.21	-56.40	-40.00	16.40
4625.00	41.82	270	150	H	-65.08	1.04	10.00	-56.12	-40.00	16.12
4625.00	42.95	191	100	V	-63.95	1.04	10.00	-54.99	-40.00	14.99

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										
221.69	43.02	333	150	H	-60.78	0.43	-3.21	-57.14	-40.00	17.14
221.69	44.88	293	200	V	-58.92	0.43	-3.21	-55.28	-40.00	15.28
4705.00	42.47	173	100	H	-64.24	1.04	10.06	-55.22	-40.00	15.22
4705.00	40.90	191	100	V	-65.81	1.04	10.06	-56.79	-40.00	16.79
16-QAM 5MHz Bandwidth Low Channel										
221.69	44.02	311	200	H	-59.78	0.43	-3.21	-56.14	-40.00	16.14
221.69	45.96	277	150	V	-57.84	0.43	-3.21	-54.20	-40.00	14.20
4705.00	41.58	318	150	H	-65.13	1.04	10.06	-56.11	-40.00	16.11
4705.00	42.67	352	100	V	-64.04	1.04	10.06	-55.02	-40.00	15.02

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 Middle Channel										
221.69	44.25	78	150	H	-54.91	0.43	-3.21	-51.27	-40.00	11.27
221.69	45.96	283	200	V	-53.20	0.43	-3.21	-49.56	-40.00	9.56
4710.00	42.66	25	100	H	-64.04	1.05	10.07	-55.02	-40.00	15.02
4710.00	39.72	302	100	V	-66.98	1.05	10.07	-57.96	-40.00	17.96
16-QAM 5MHz Bandwidth Middle Channel										
221.69	44.22	154	200	H	-54.94	0.43	-3.21	-51.30	-40.00	11.30
221.69	45.76	347	150	V	-53.40	0.43	-3.21	-49.76	-40.00	9.76
4710.00	42.56	272	150	H	-64.14	1.05	10.07	-55.12	-40.00	15.12
4710.00	40.71	179	100	V	-65.99	1.05	10.07	-56.97	-40.00	16.97

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										
221.69	41.26	242	150	H	-62.54	0.43	-3.21	-58.90	-40.00	18.90
221.69	43.76	277	200	V	-60.04	0.43	-3.21	-56.40	-40.00	16.40
4715.00	41.56	83	100	H	-65.13	1.05	10.07	-56.11	-40.00	16.11
4715.00	42.65	76	100	V	-64.04	1.05	10.07	-55.02	-40.00	15.02
16-QAM 5MHz Bandwidth High Channel										
221.69	41.59	123	200	H	-62.21	0.43	-3.21	-58.57	-40.00	18.57
221.69	43.37	115	150	V	-60.43	0.43	-3.21	-56.79	-40.00	16.79
4715.00	40.91	88	150	H	-65.78	1.05	10.07	-56.76	-40.00	16.76
4715.00	41.90	355	100	V	-64.79	1.05	10.07	-55.77	-40.00	15.77

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										
219.99	43.59	152	150	H	-60.36	0.43	-3.27	-56.66	-25.00	31.66
219.99	46.33	215	200	V	-57.62	0.43	-3.27	-53.92	-25.00	28.92
5115.00	43.01	359	100	H	-62.37	1.09	10.30	-53.16	-25.00	28.16
5115.00	44.01	55	100	V	-61.37	1.09	10.30	-52.16	-25.00	27.16
16-QAM 5MHz Bandwidth Low Channel										
219.99	42.55	323	200	H	-61.40	0.43	-3.27	-57.70	-25.00	32.70
219.99	44.97	236	150	V	-58.98	0.43	-3.27	-55.28	-25.00	30.28
5115.00	41.01	170	150	H	-64.37	1.09	10.30	-55.16	-25.00	30.16
5115.00	42.21	88	100	V	-63.17	1.09	10.30	-53.96	-25.00	28.96

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										
219.99	44.27	127	150	H	-59.68	0.43	-3.27	-55.98	-25.00	30.98
219.99	45.96	217	200	V	-57.99	0.43	-3.27	-54.29	-25.00	29.29
5210.00	42.06	259	100	H	-63.32	1.11	10.30	-54.13	-25.00	29.13
5210.00	40.53	228	100	V	-64.85	1.11	10.30	-55.66	-25.00	30.66
16-QAM 5MHz Bandwidth Middle Channel										
219.99	43.15	170	200	H	-60.80	0.43	-3.27	-57.10	-25.00	32.10
219.99	46.39	356	150	V	-57.56	0.43	-3.27	-53.86	-25.00	28.86
5210.00	41.00	82	150	H	-64.38	1.11	10.30	-55.19	-25.00	30.19
5210.00	41.23	116	100	V	-64.15	1.11	10.30	-54.96	-25.00	29.96

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 High Channel										
219.99	42.59	25	150	H	-61.36	0.43	-3.27	-57.66	-25.00	32.66
219.99	44.66	259	200	V	-59.29	0.43	-3.27	-55.59	-25.00	30.59
5305.00	42.02	35	100	H	-62.30	1.12	10.30	-53.12	-25.00	28.12
5305.00	41.05	287	100	V	-63.27	1.12	10.30	-54.09	-25.00	29.09
16-QAM 5MHz Bandwidth High Channel										
219.99	41.69	221	200	H	-62.26	0.43	-3.27	-58.56	-25.00	33.56
219.99	44.86	190	150	V	-59.09	0.43	-3.27	-55.39	-25.00	30.39
5305.00	41.59	283	150	H	-62.73	1.12	10.30	-53.55	-25.00	28.55
5305.00	40.18	296	100	V	-64.14	1.12	10.30	-54.96	-25.00	29.96

30 MHz ~ 20 GHz:

LTE Band 66:

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										
222.06	43.22	276	150	H	-60.55	0.43	-3.20	-56.92	-13.00	43.92
222.06	44.96	341	200	V	-58.81	0.43	-3.20	-55.18	-13.00	42.18
3421.40	47.50	310	100	H	-60.44	0.93	9.82	-51.55	-13.00	38.55
3421.40	46.36	210	100	V	-61.58	0.93	9.82	-52.69	-13.00	39.69
16-QAM 1.4MHz Bandwidth Low Channel										
222.06	43.64	234	200	H	-60.13	0.43	-3.20	-56.50	-13.00	43.50
222.06	44.25	96	150	V	-59.52	0.43	-3.20	-55.89	-13.00	42.89
3421.40	48.36	249	150	H	-59.58	0.93	9.82	-50.69	-13.00	37.69
3421.40	47.29	257	100	V	-60.65	0.93	9.82	-51.76	-13.00	38.76

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										
222.06	44.13	151	150	H	-59.64	0.43	-3.20	-56.01	-13.00	43.01
222.06	46.22	244	200	V	-57.55	0.43	-3.20	-53.92	-13.00	40.92
3490.00	48.45	188	100	H	-59.19	0.93	9.89	-50.23	-13.00	37.23
3490.00	46.99	294	100	V	-60.65	0.93	9.89	-51.69	-13.00	38.69
16-QAM 1.4MHz Bandwidth Middle Channel										
222.06	43.25	13	200	H	-60.52	0.43	-3.20	-56.89	-13.00	43.89
222.06	44.96	285	150	V	-58.81	0.43	-3.20	-55.18	-13.00	42.18
3490.00	48.13	67	150	H	-59.51	0.93	9.89	-50.55	-13.00	37.55
3490.00	45.72	331	100	V	-61.92	0.93	9.89	-52.96	-13.00	39.96

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 High Channel										
222.06	43.25	358	150	H	-60.52	0.43	-3.20	-56.89	-13	43.89
222.06	46.19	327	200	V	-57.58	0.43	-3.20	-53.95	-13	40.95
3558.60	47.99	82	100	H	-59.43	0.93	9.87	-50.49	-13	37.49
3558.60	46.29	112	100	V	-61.13	0.93	9.87	-52.19	-13	39.19
16-QAM 1.4MHz Bandwidth High Channel										
222.06	42.49	307	200	H	-61.28	0.43	-3.20	-57.65	-13	44.65
222.06	43.96	248	150	V	-59.81	0.43	-3.20	-56.18	-13	43.18
3558.60	47.05	32	150	H	-60.37	0.93	9.87	-51.43	-13	38.43
3558.60	45.72	161	100	V	-61.70	0.93	9.87	-52.76	-13	39.76

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 (h) (m); § 90.691 - 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.

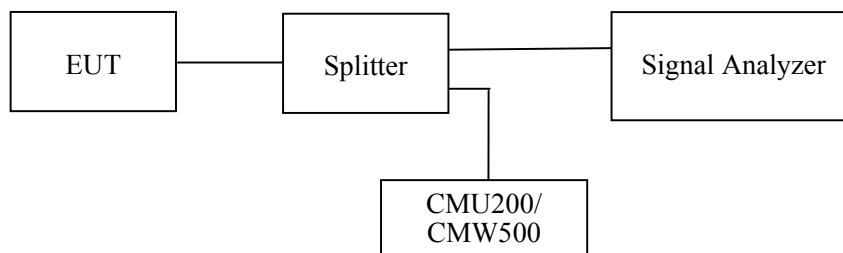
According to FCC §27.53 (h) (m), the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log(P)$ dB. For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ 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 that $43 + 10 \log(P)$ 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.

FCC §2.1051 and §90.691(a).The power of any emission outside a licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, by at least $43 + 10 \log(P)$ dB. Compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 MHz or less, but at least one percent of the emission bandwidth of the fundamental emission of the transmitter, provided the measured energy is integrated over a 1 MHz bandwidth.

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:	22.9~23.3 °C
Relative Humidity:	49~50 %
ATM Pressure:	100.7~102.5 kPa

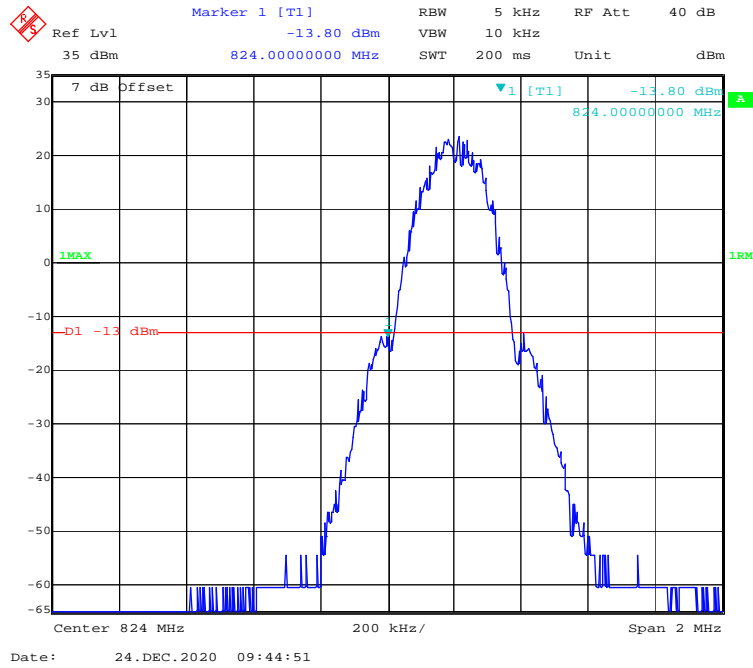
The testing was performed by CK Huang from 2020-11-06 to 2020-12-24

EUT operation mode: Transmitting

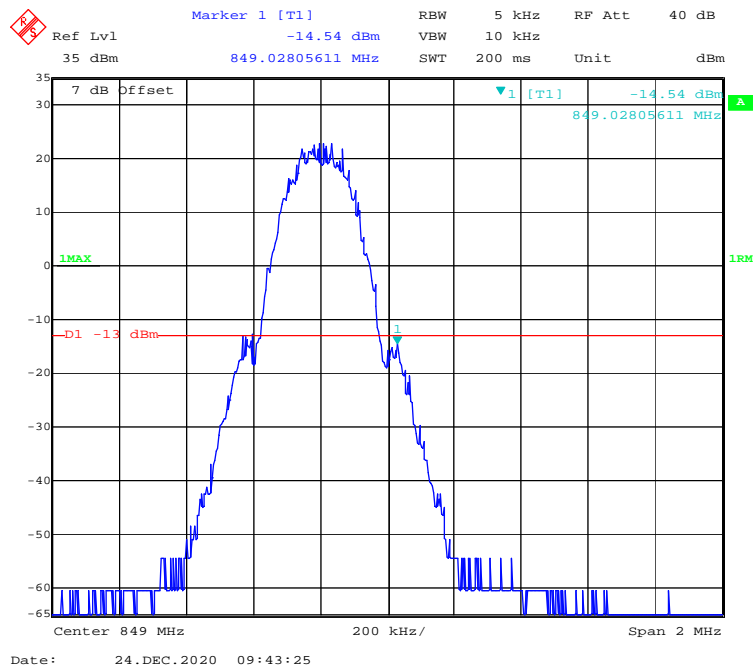
Test Result: Compliant.

GSM 850 Band:

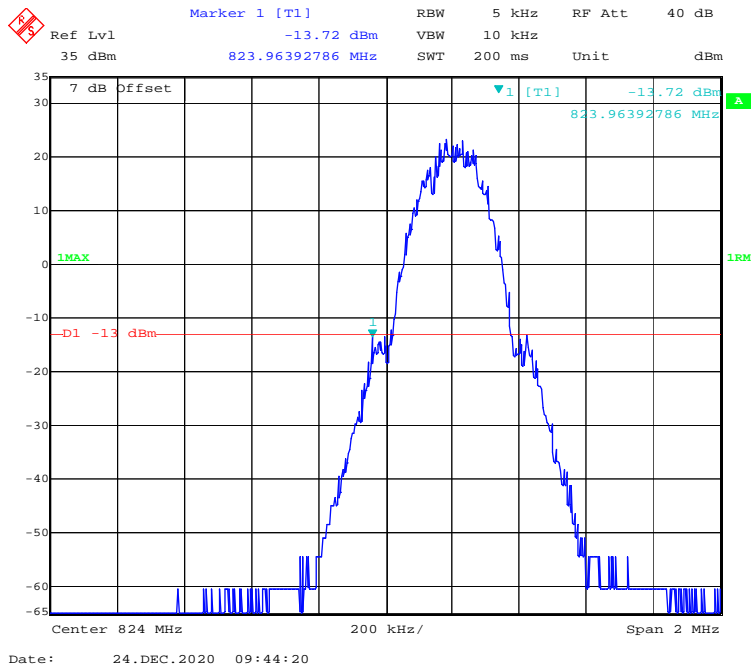
GSM Mode, Left Band Edge



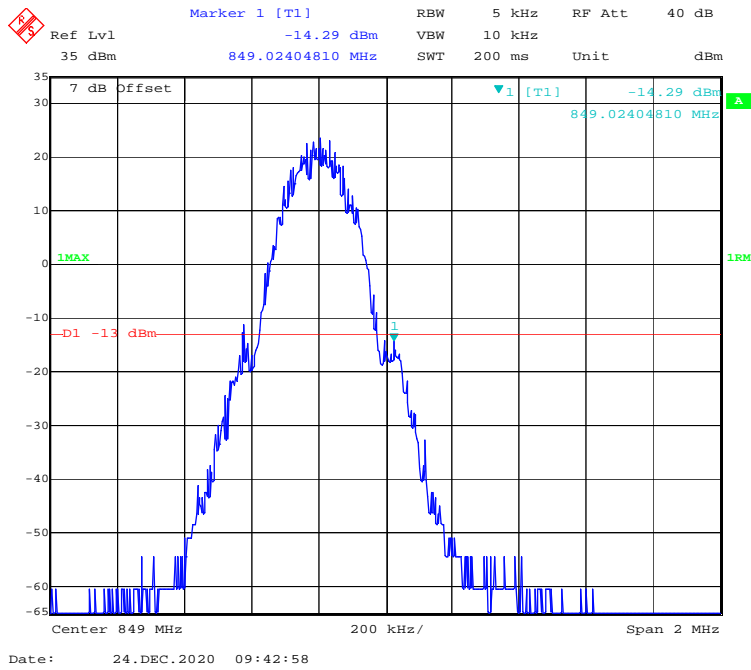
GSM Mode, Right Band Edge



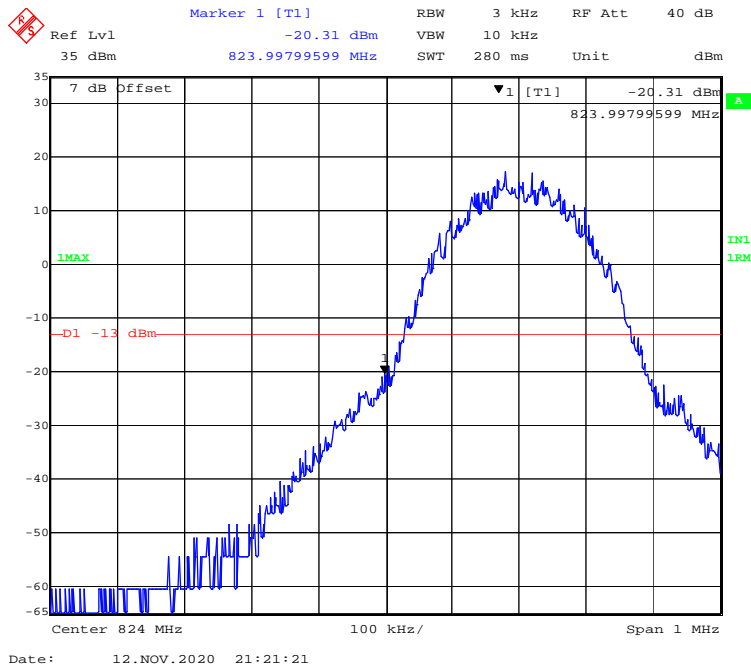
GPRS Mode, Left Band Edge



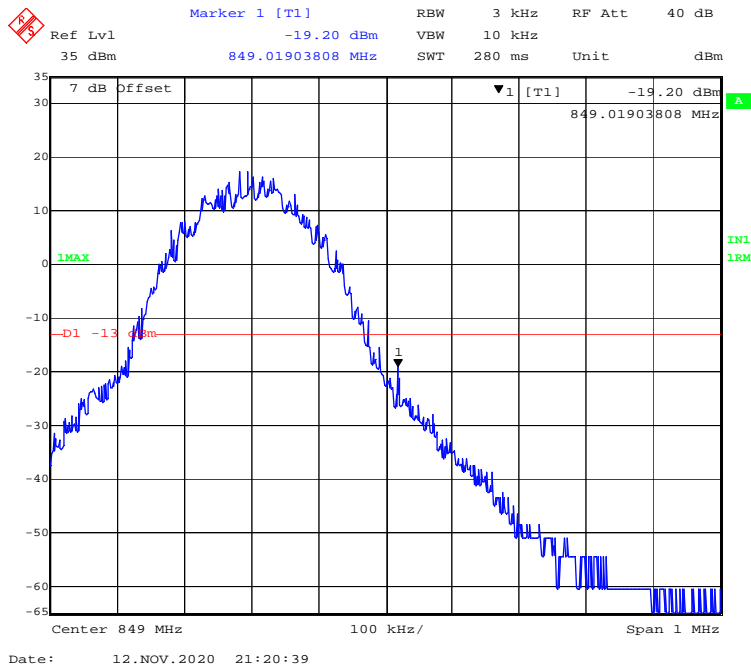
GPRS Mode, Right Band Edge



EGPRS Mode, Left Band Edge

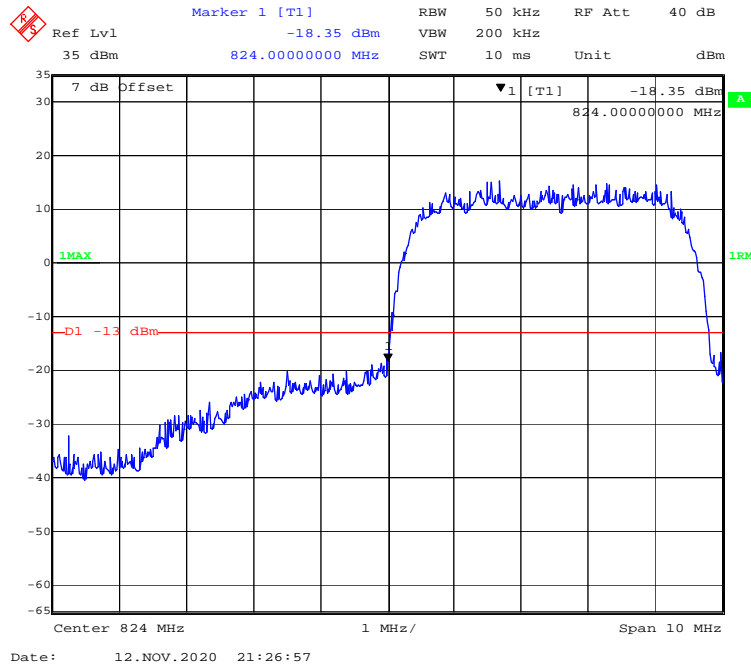


EGPRS Mode, Right Band Edge

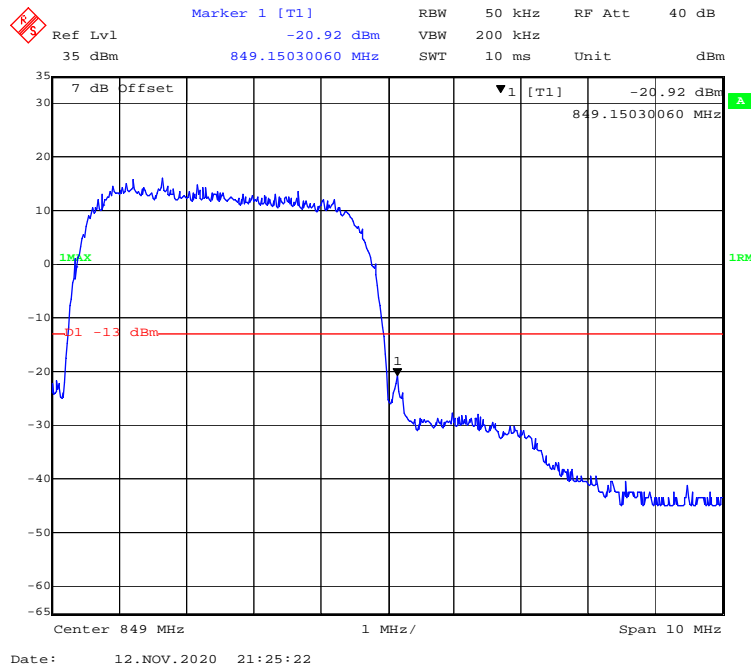


WCDMA Band V

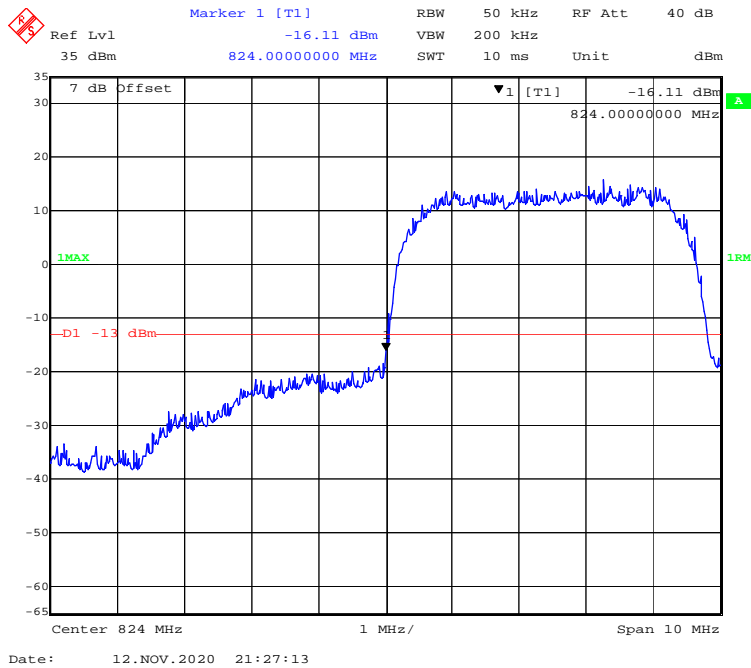
WCDMA (Rel 99) Mode, Left Band Edge



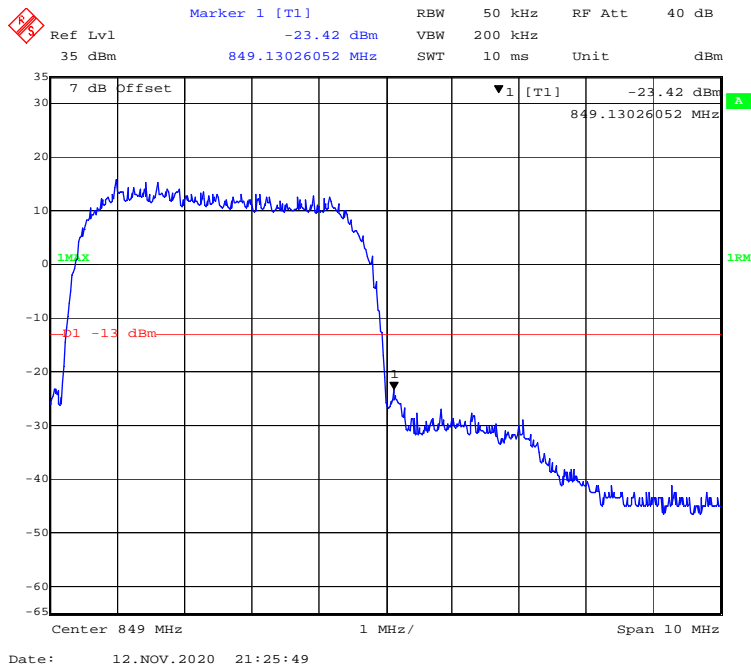
WCDMA (Rel 99) Mode, Right Band Edge



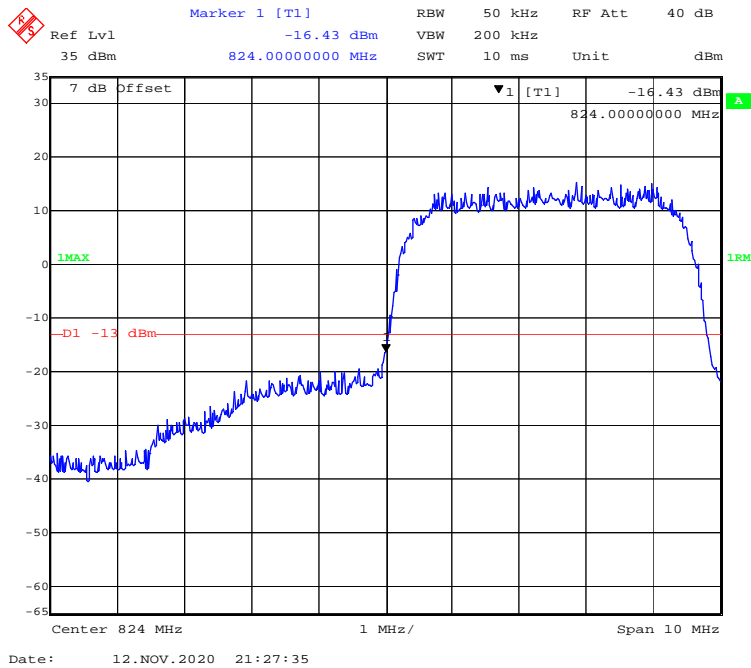
WCDMA (HSDPA) Mode, Left Band Edge



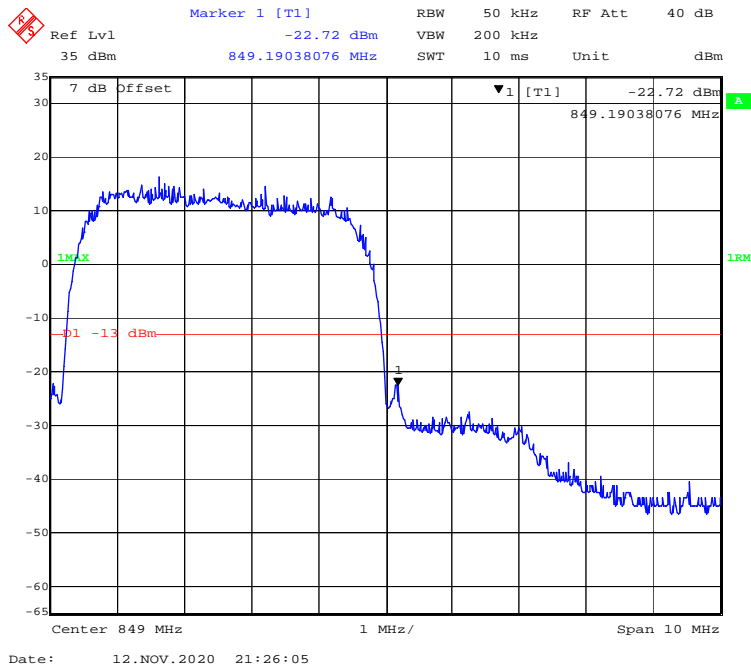
WCDMA (HSDPA) Mode, Right Band Edge



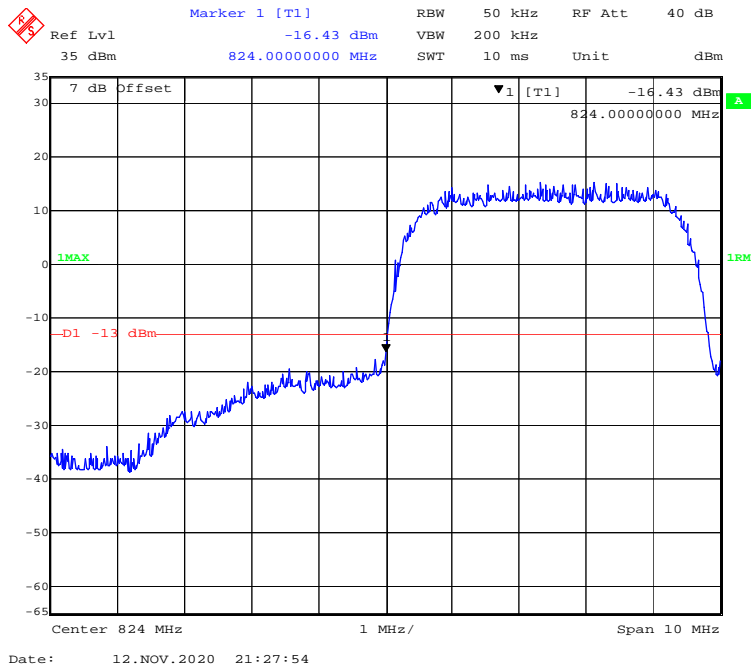
WCDMA (HSUPA) Mode, Left Band Edge



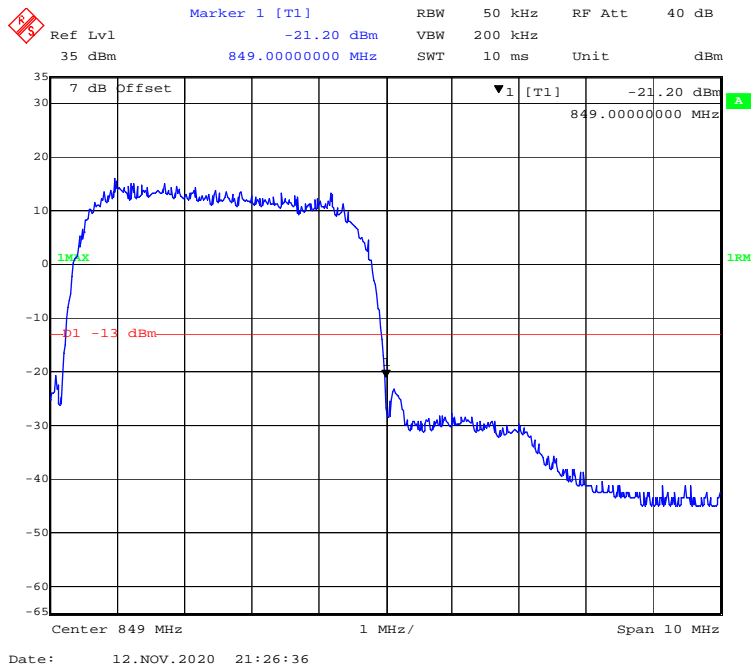
WCDMA (HSUPA) Mode, Right Band Edge



WCDMA (HSPA+) Mode, Left Band Edge

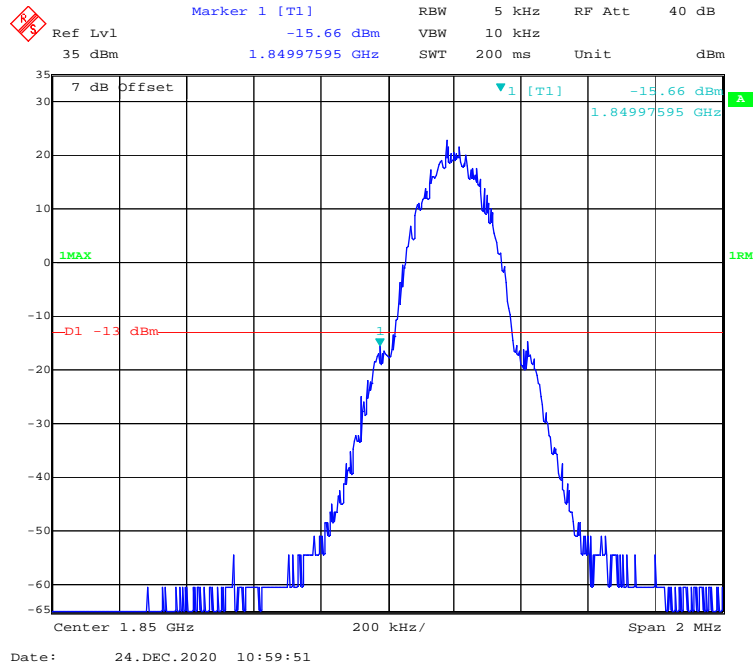


WCDMA (HSPA+) Mode, Right Band Edge

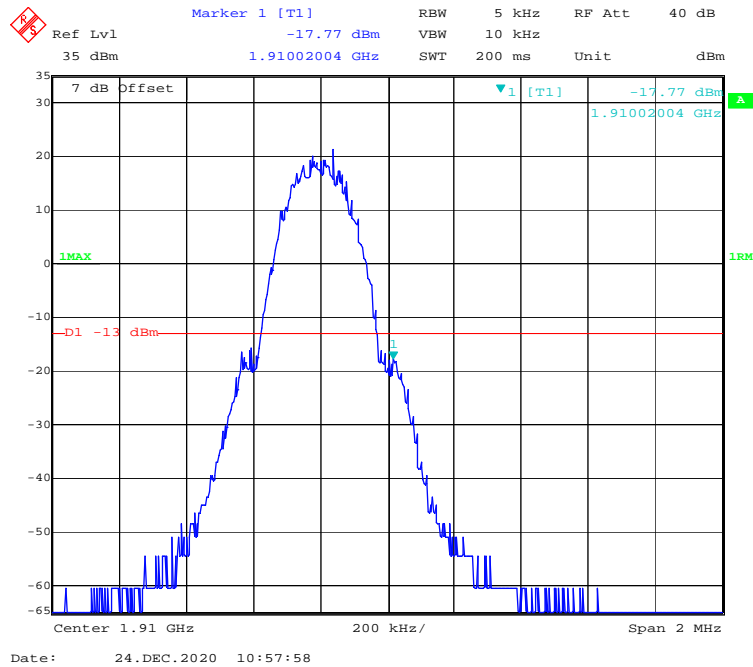


PCS 1900 Band:

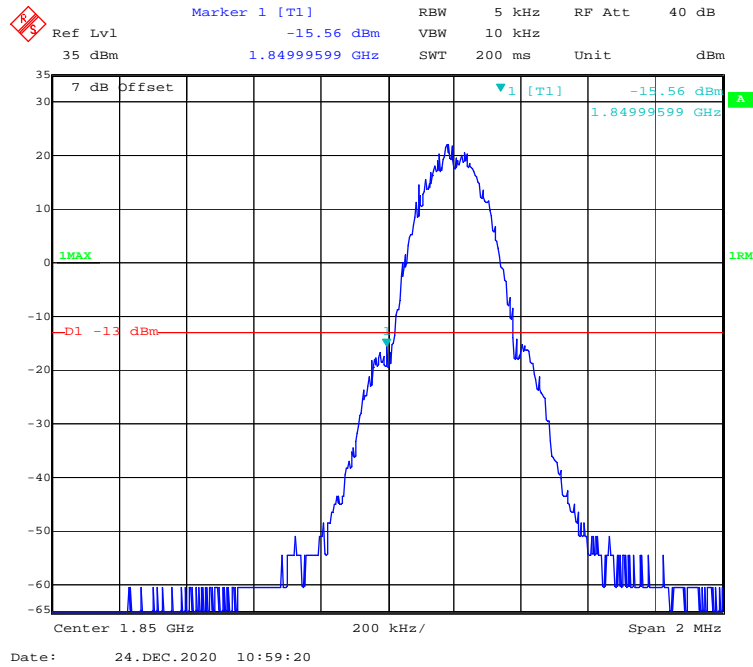
GSM Mode, Left Band Edge



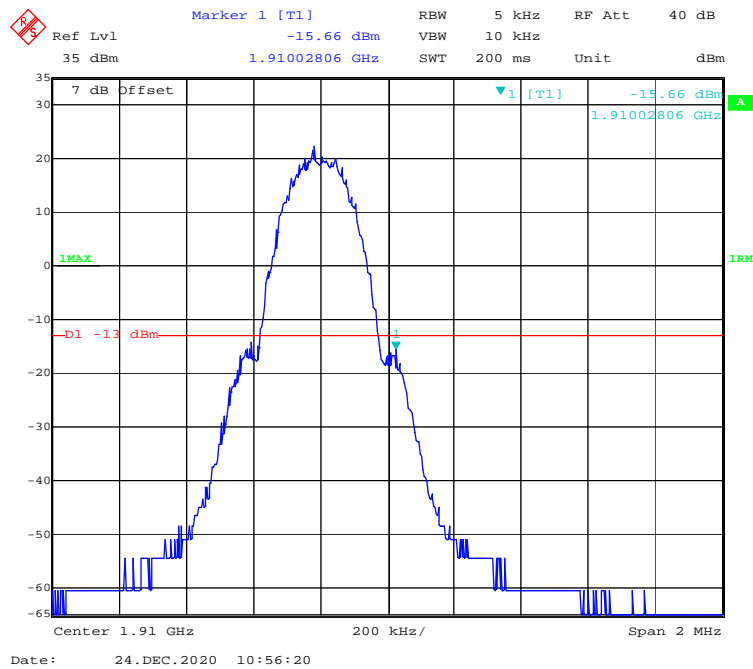
GSM Mode, Right Band Edge



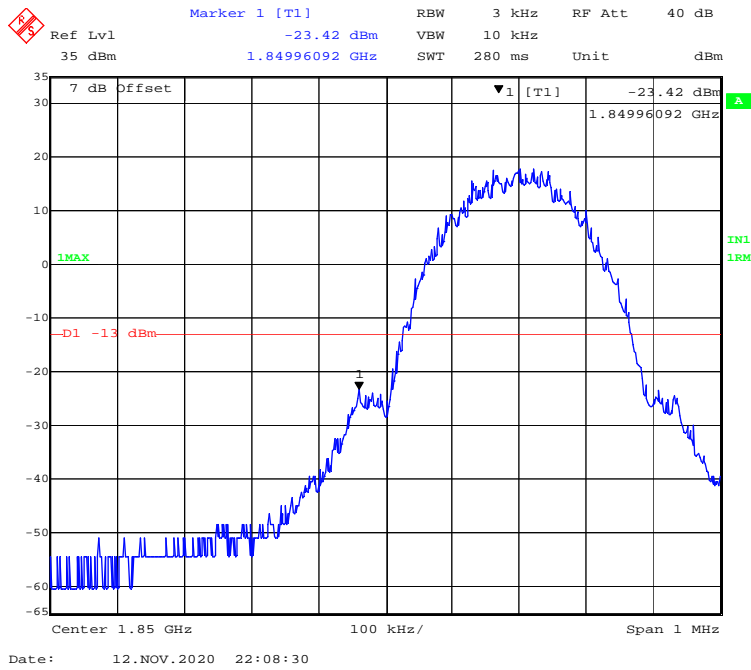
GPRS Mode, Left Band Edge



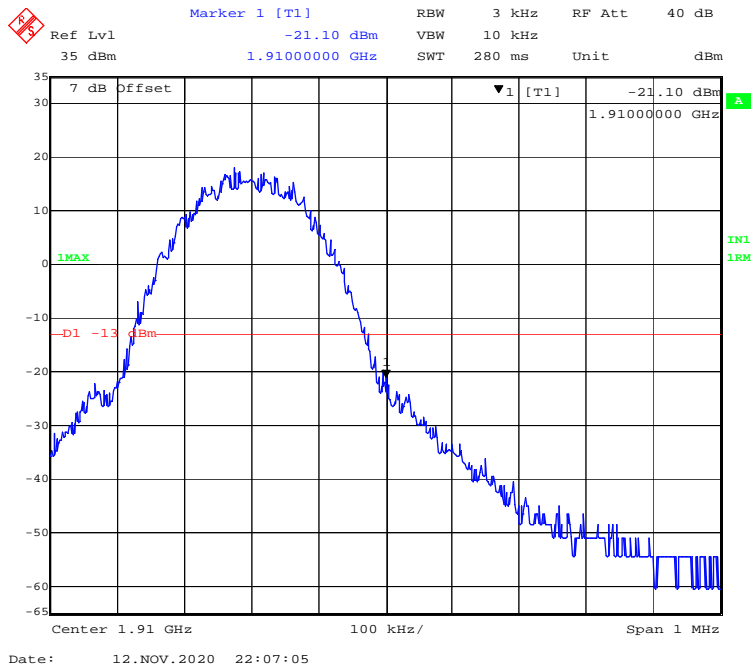
GPRS Mode, Right Band Edge



EGPRS Mode, Left Band Edge

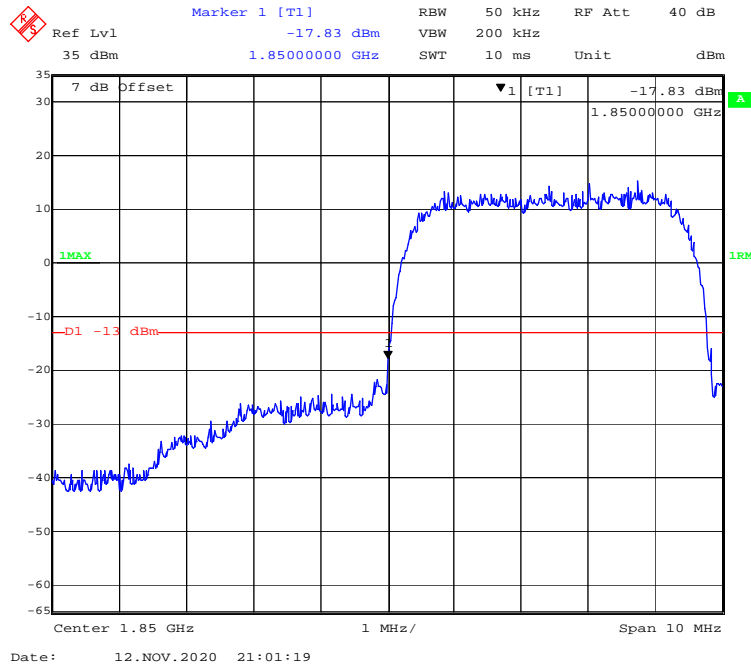


EGPRS Mode, Right Band Edge

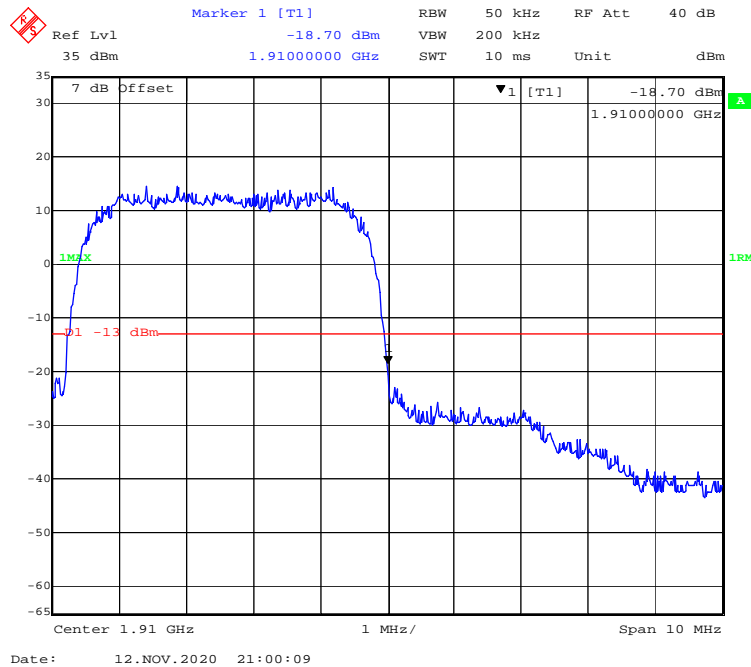


WCDMA Band II

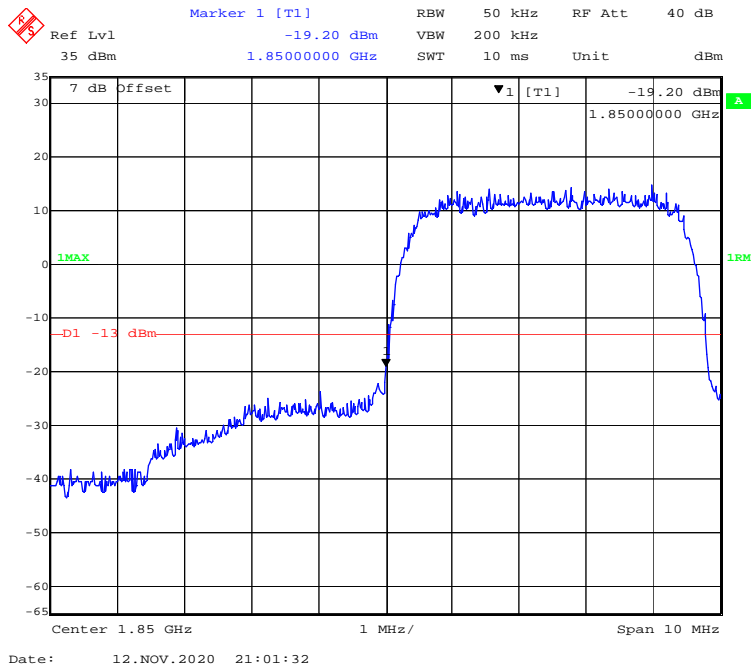
WCDMA (Rel 99) Mode, Left Band Edge



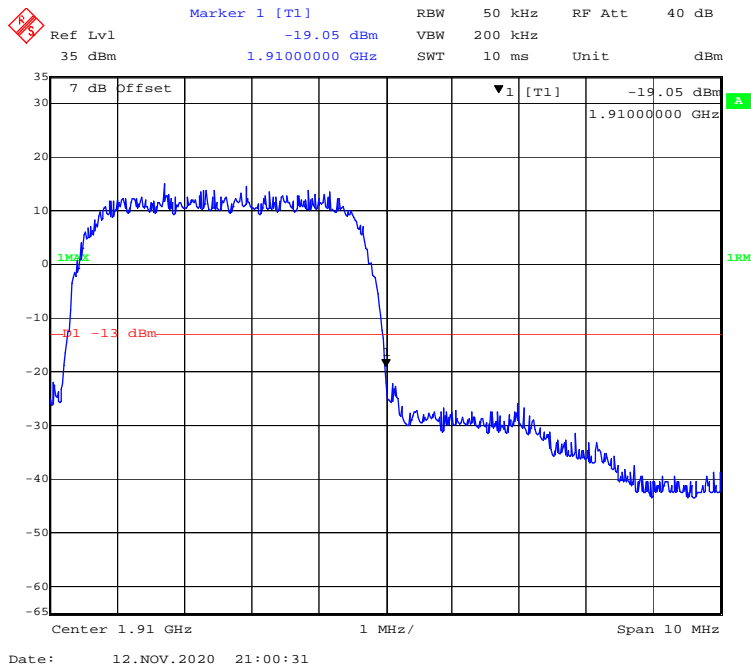
WCDMA (Rel 99) Mode, Right Band Edge



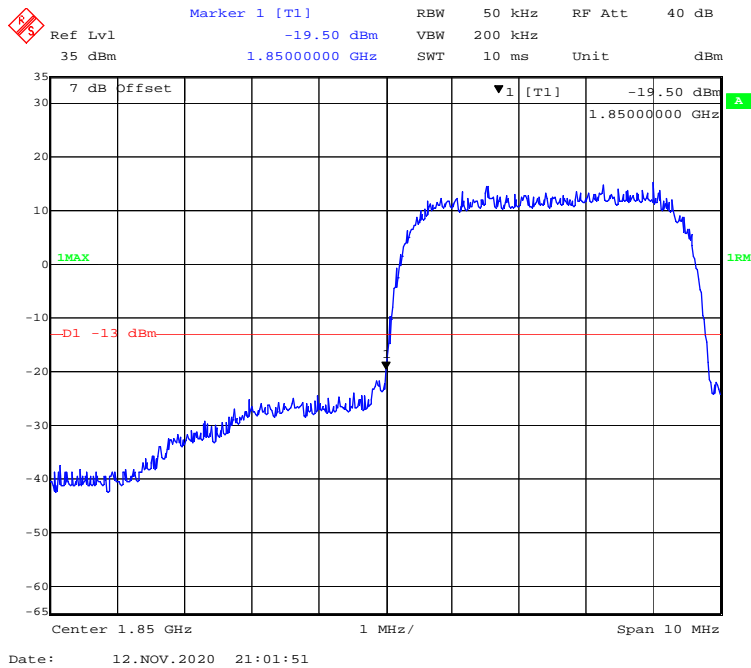
WCDMA (HSDPA) Mode, Left Band Edge



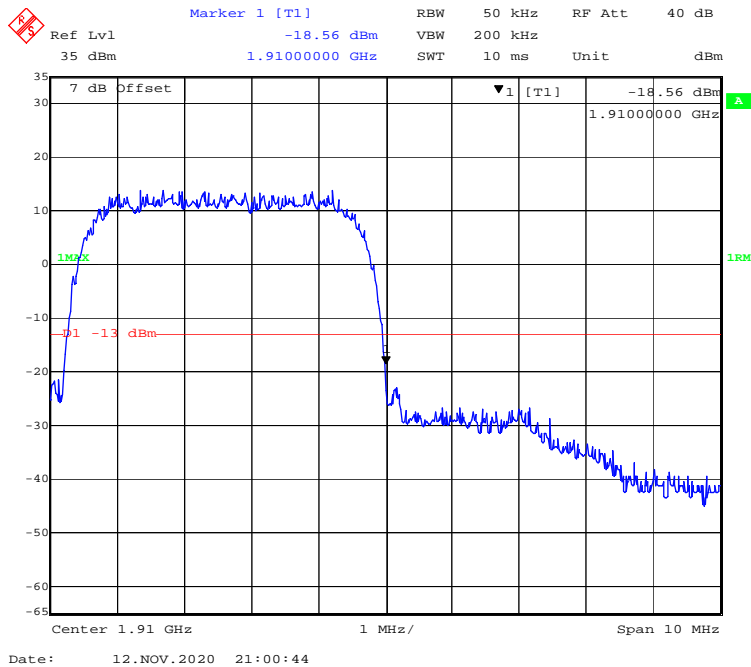
WCDMA (HSDPA) Mode, Right Band Edge



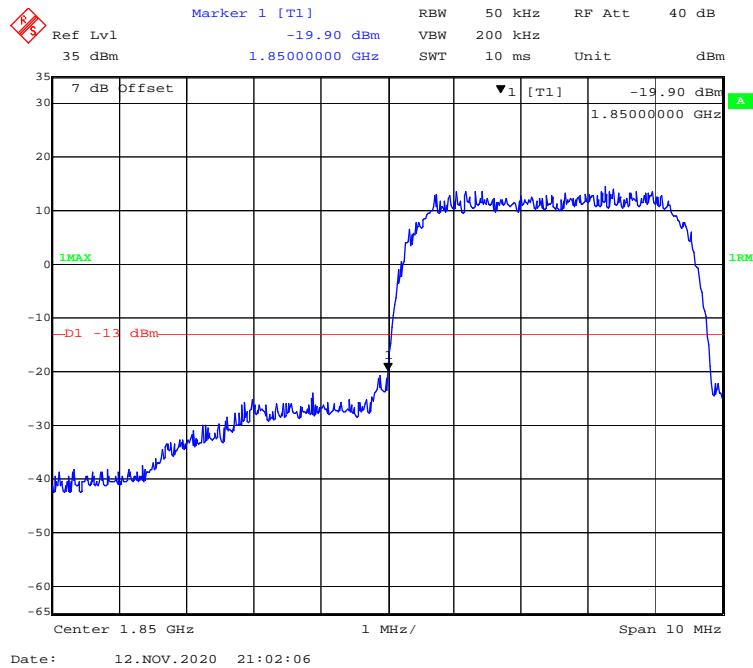
WCDMA (HSUPA) Mode, Left Band Edge



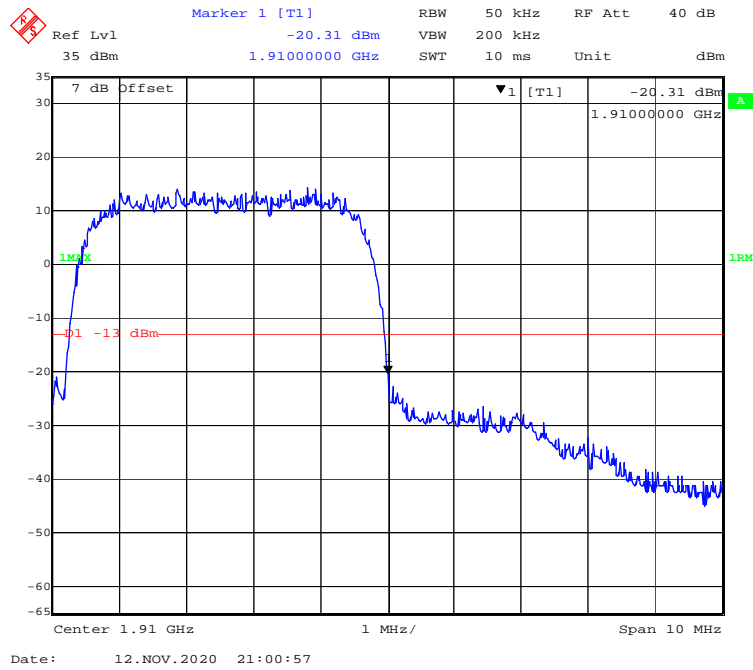
WCDMA (HSUPA) Mode, Right Band Edge



WCDMA (HSPA+) Mode, Left Band Edge

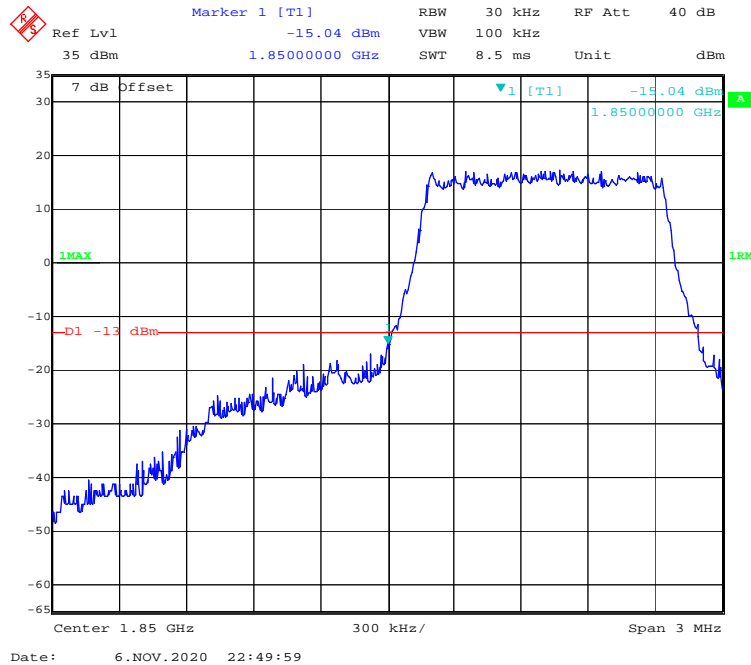


WCDMA (HSPA+) Mode, Right Band Edge

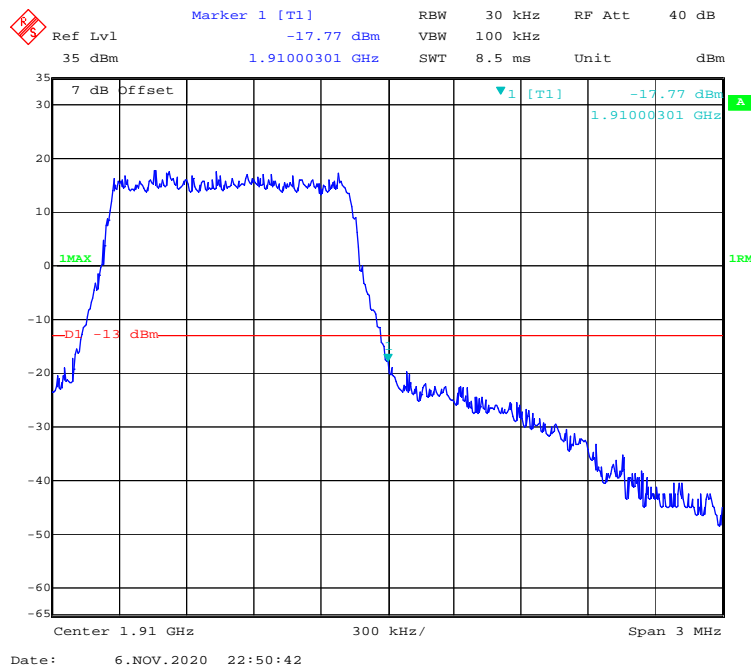


LTE Band 2:

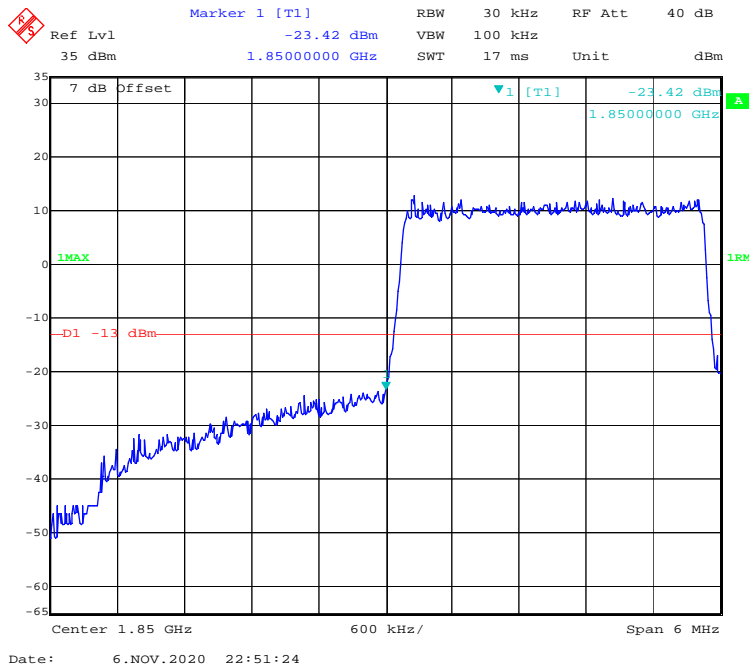
QPSK (1.4 MHz, FULL RB) - Left Band Edge



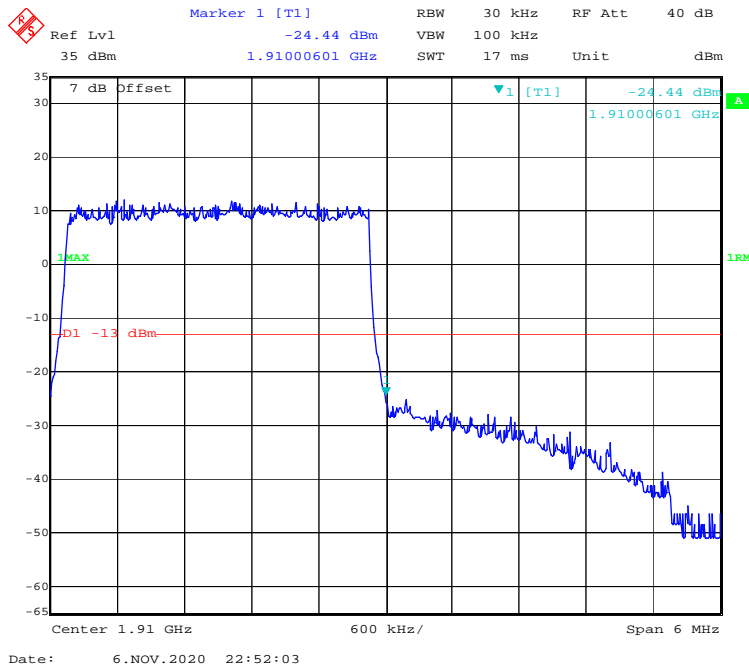
QPSK (1.4 MHz, FULL RB) - Right Band Edge



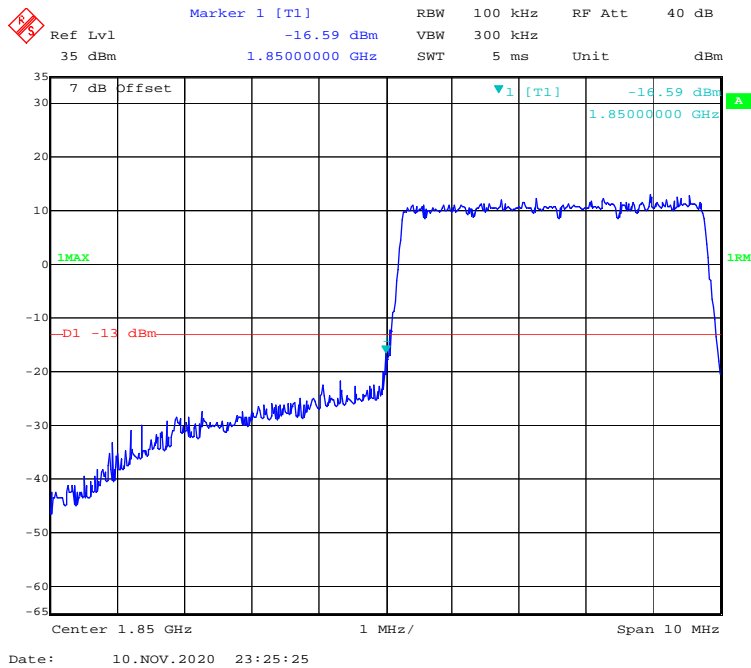
QPSK (3 MHz, FULL RB) - Left Band Edge



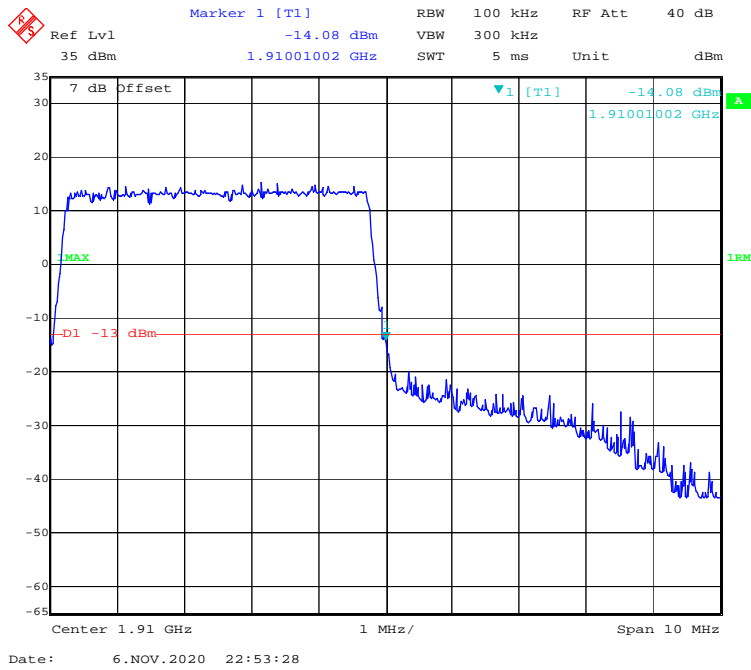
QPSK (3 MHz, FULL RB) - Right Band Edge



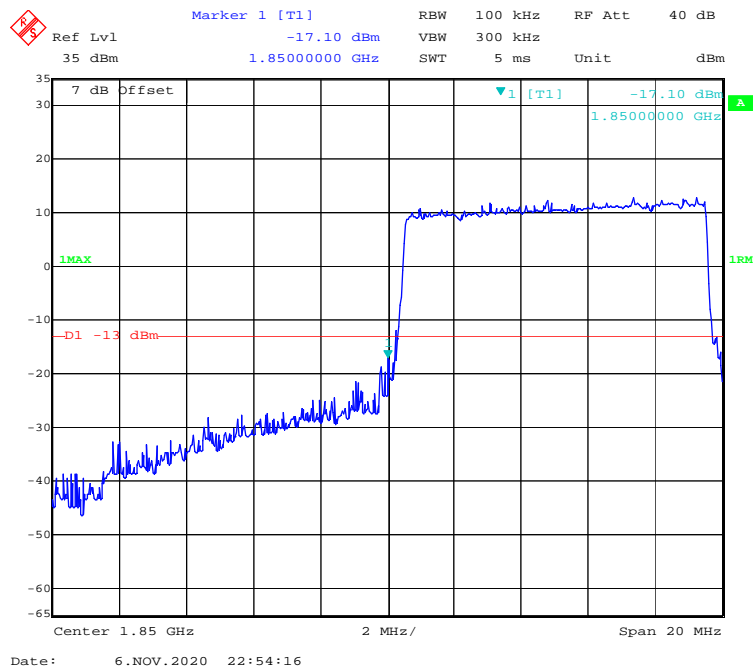
QPSK (5 MHz, FULL RB) - Left Band Edge



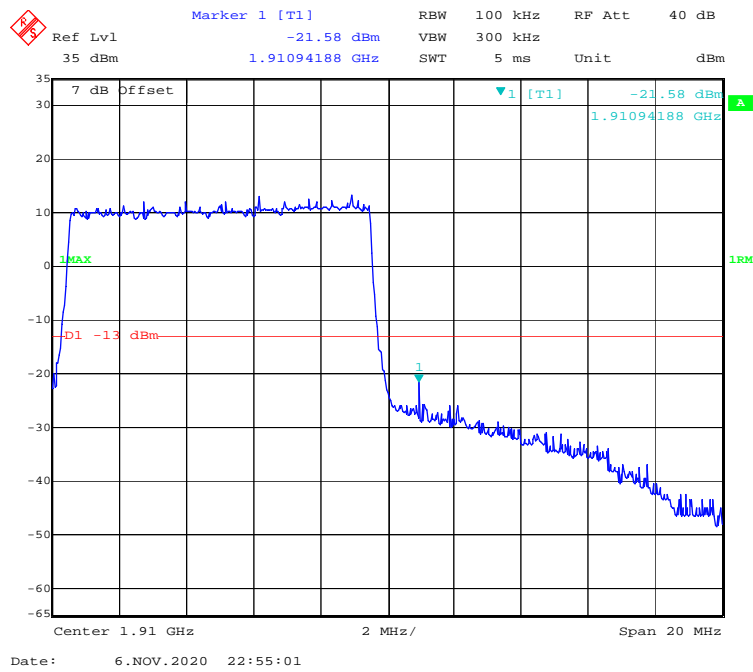
QPSK (5 MHz, FULL RB) - Right Band Edge



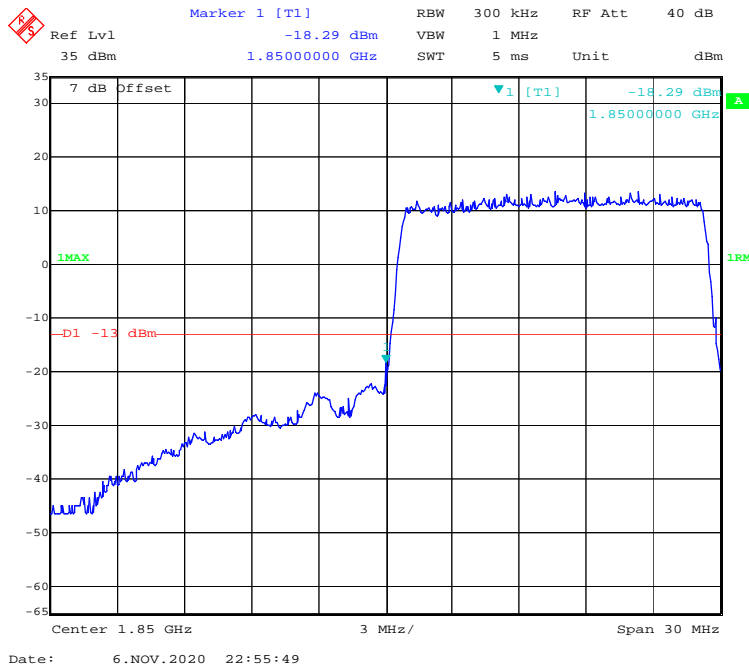
QPSK (10 MHz, FULL RB) - Left Band Edge



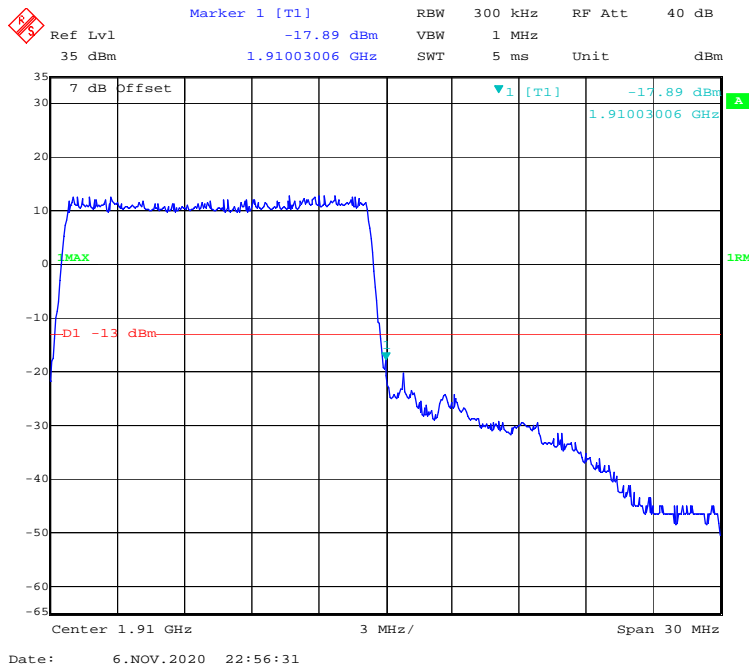
QPSK (10 MHz, FULL RB) - Right Band Edge



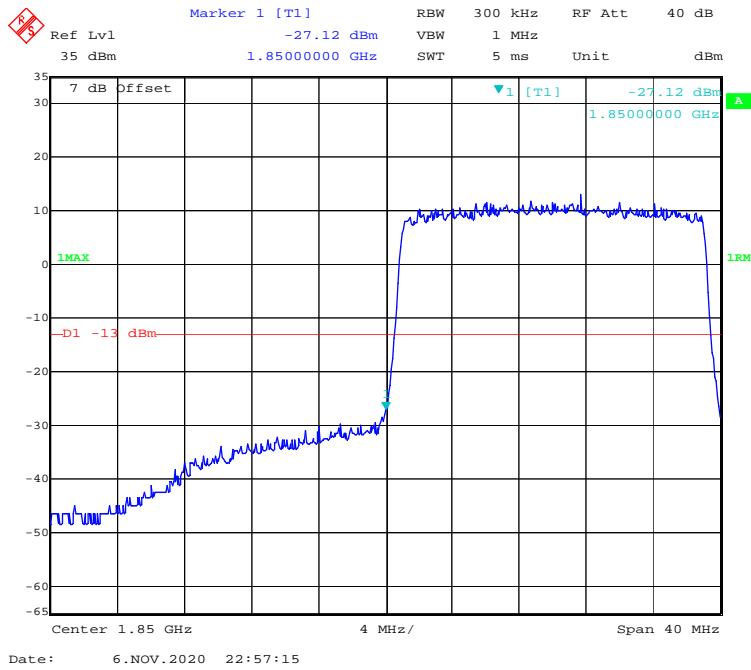
QPSK (15 MHz, FULL RB) - Left Band Edge



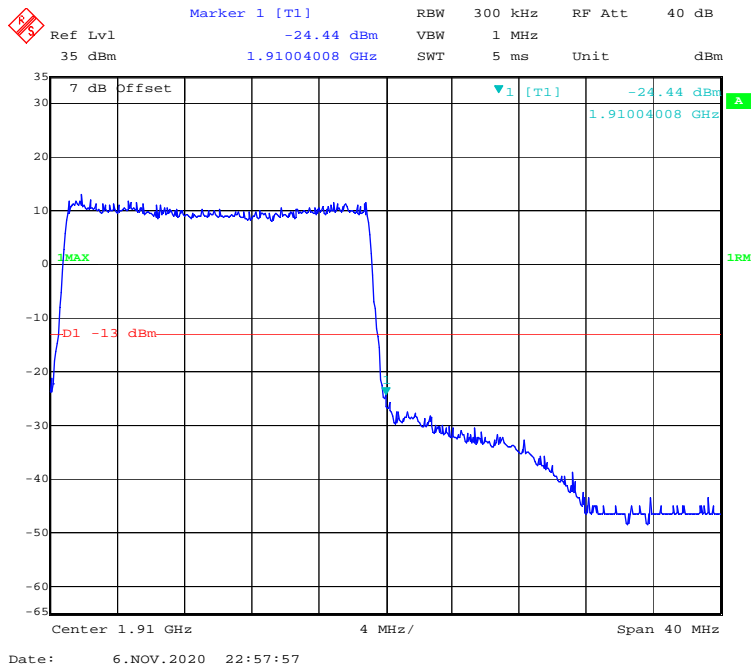
QPSK (15 MHz, FULL RB) - Right Band Edge



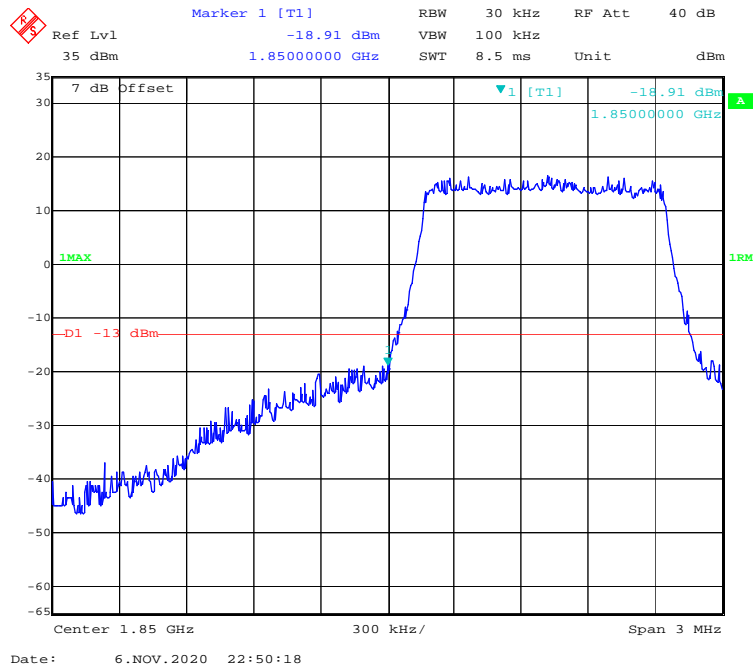
QPSK (20 MHz, FULL RB) - Left Band Edge



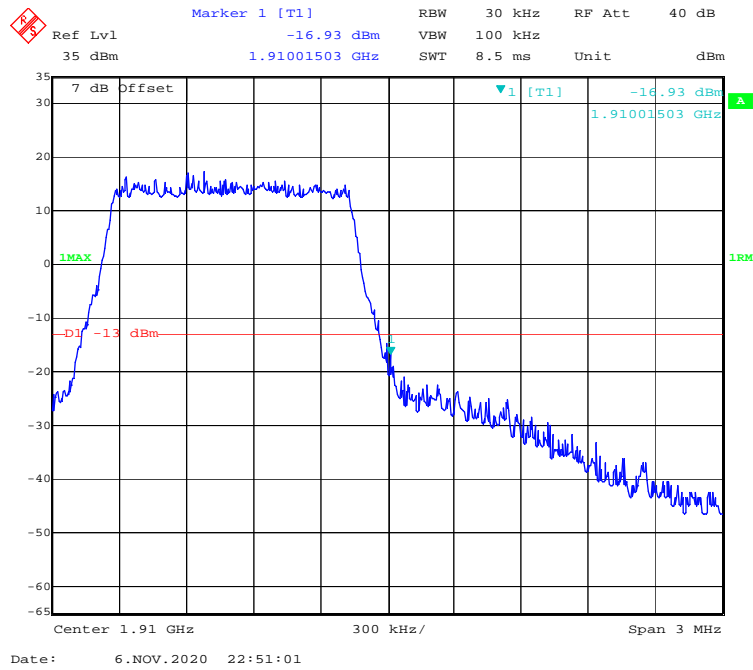
QPSK (20 MHz, FULL RB) - Right Band Edge



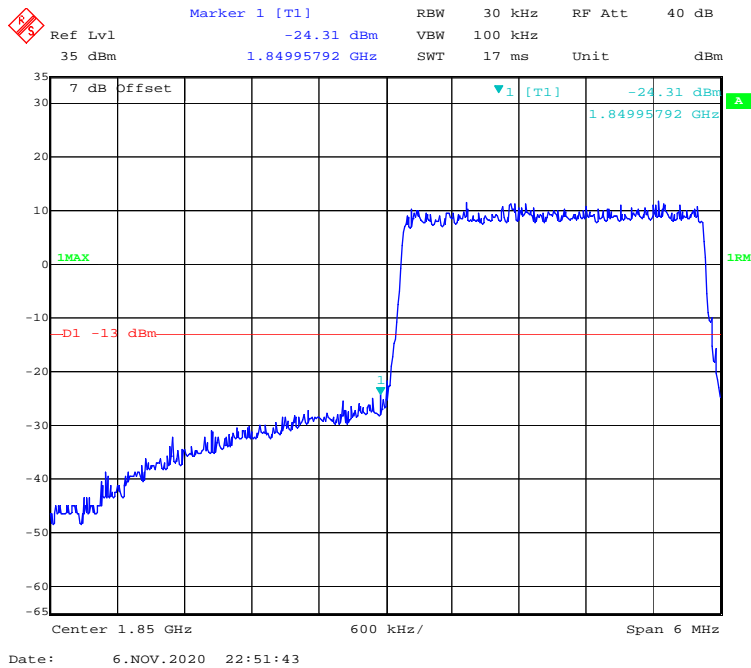
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



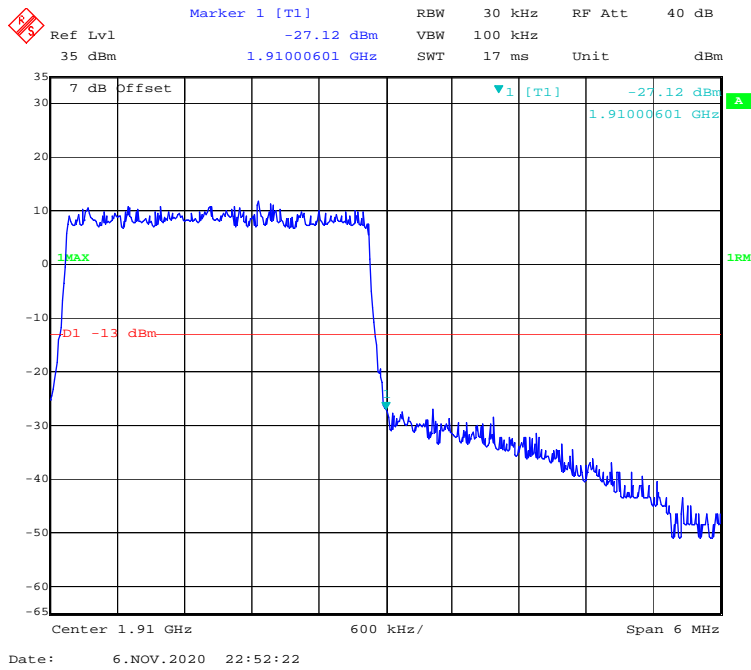
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



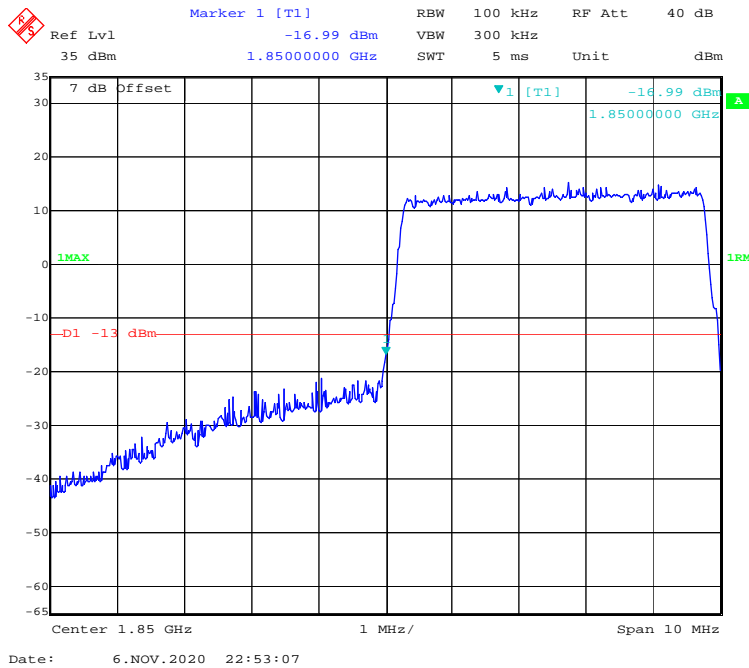
16-QAM (3 MHz, FULL RB) - Left Band Edge



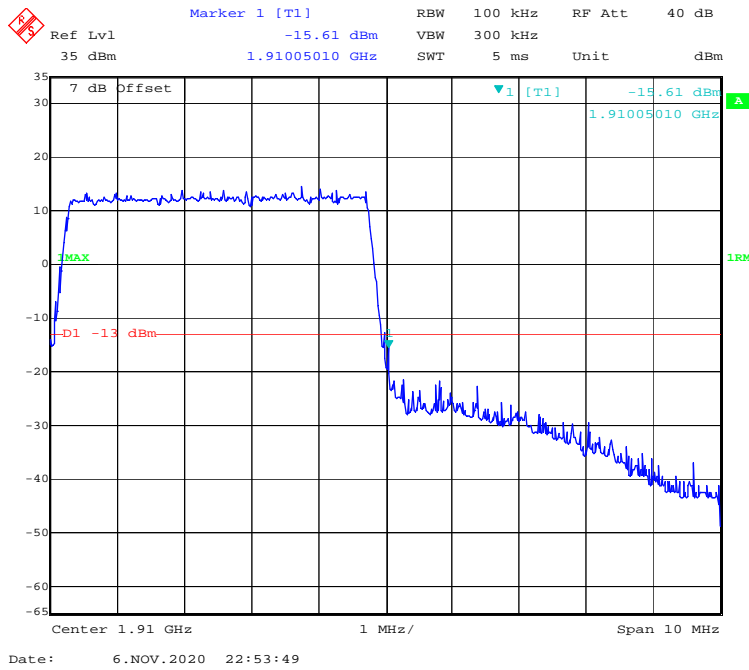
16-QAM (3 MHz, FULL RB) - Right Band Edge



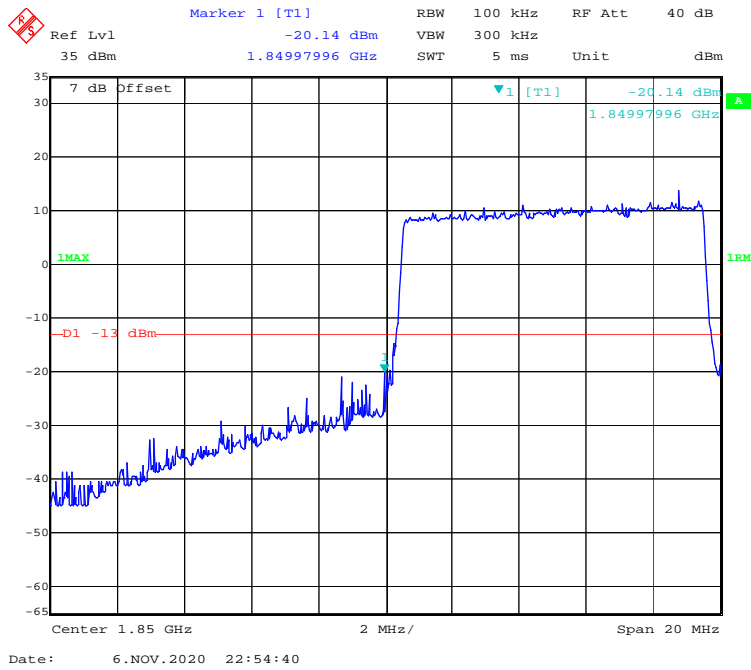
16-QAM (5 MHz, FULL RB) - Left Band Edge



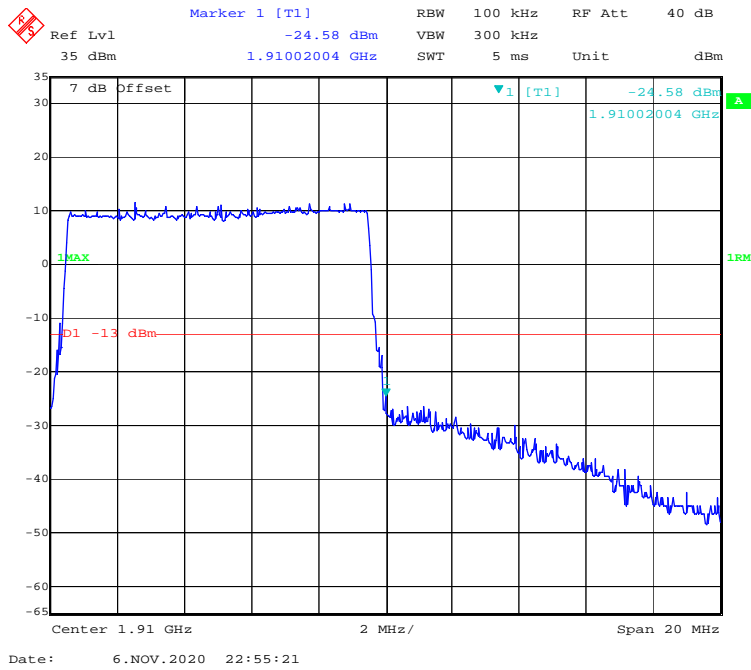
16-QAM (5 MHz, FULL RB) - Right Band Edge



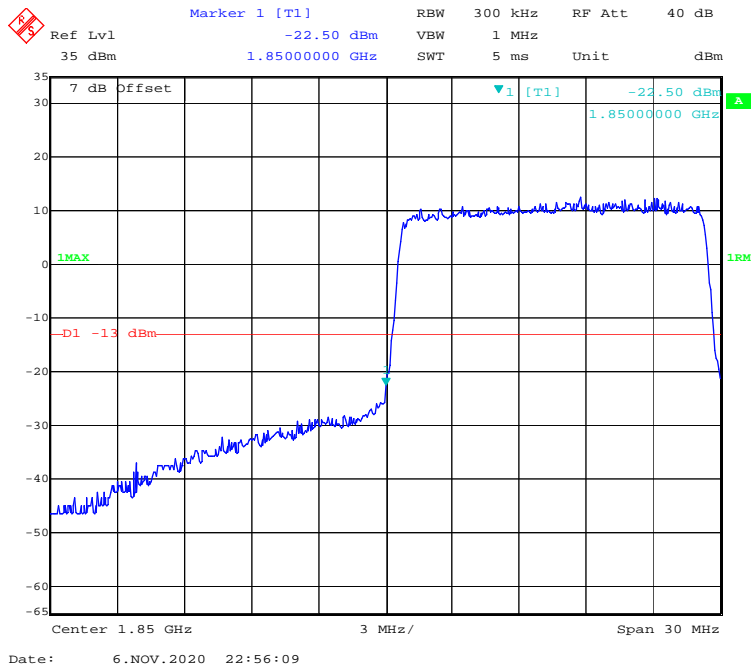
16-QAM (10 MHz, FULL RB) - Left Band Edge



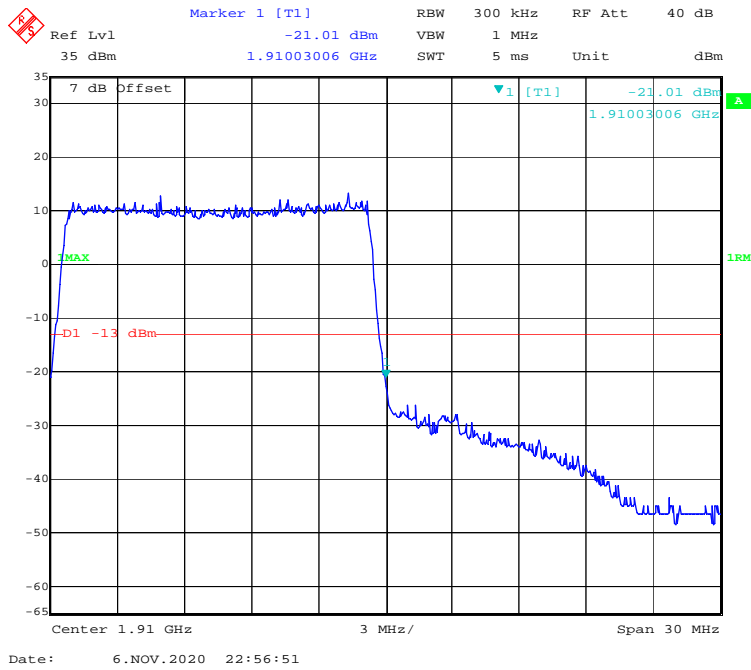
16-QAM (10 MHz, FULL RB) - Right Band Edge



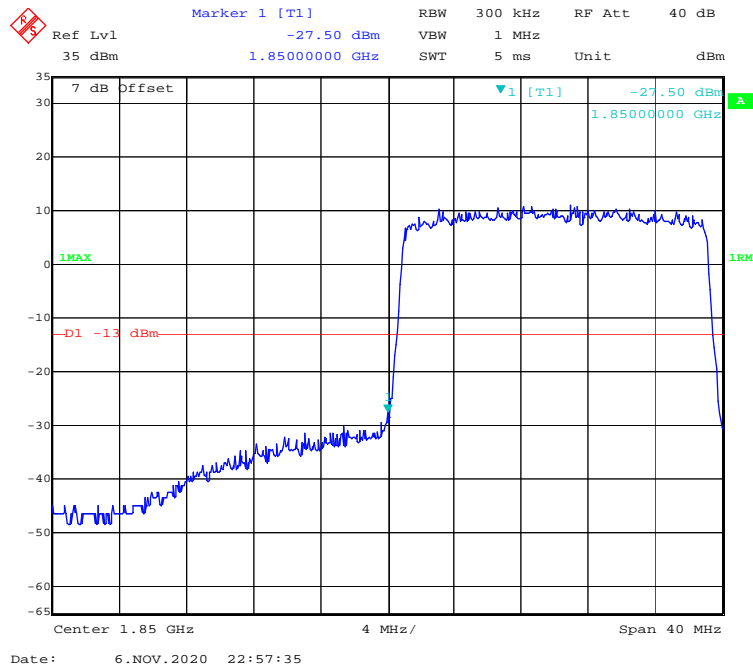
16-QAM (15 MHz, FULL RB) - Left Band Edge



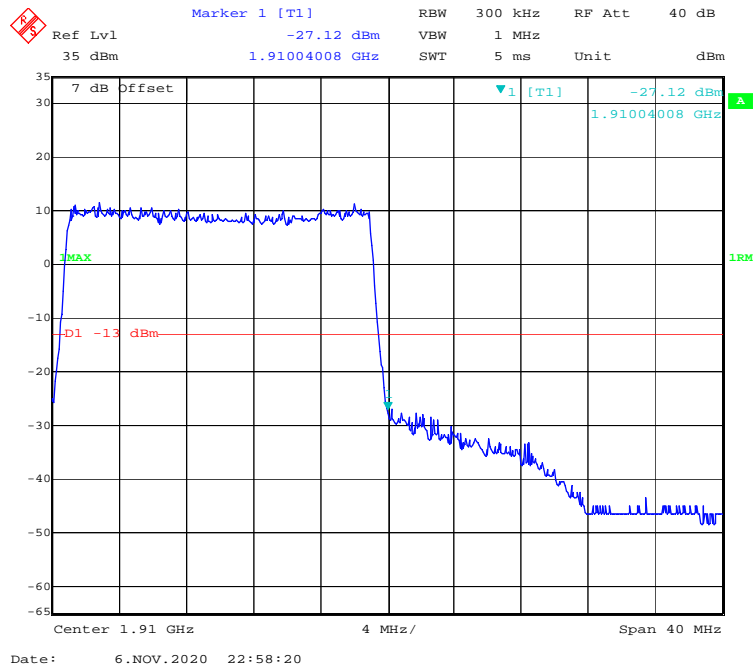
16-QAM (15 MHz, FULL RB) - Right Band Edge



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

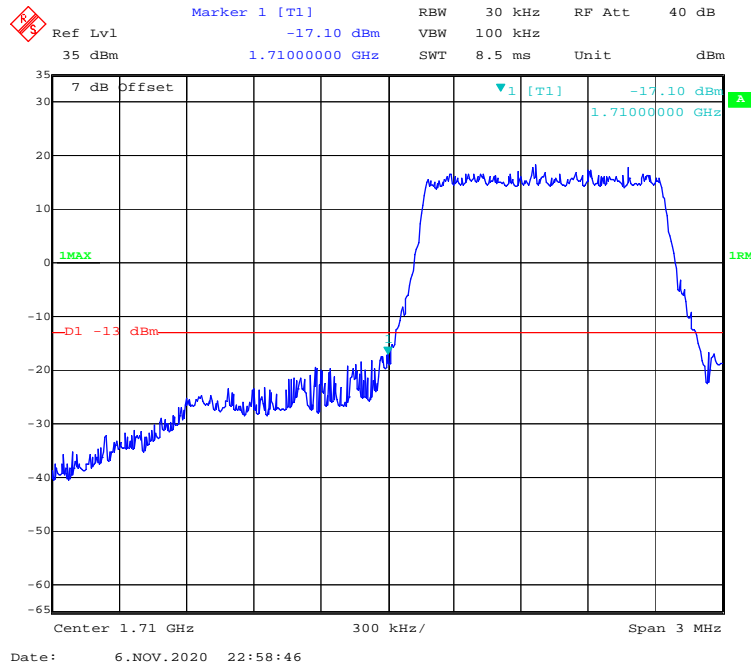


16-QAM (20 MHz, FULL RB) - Right Band Edge

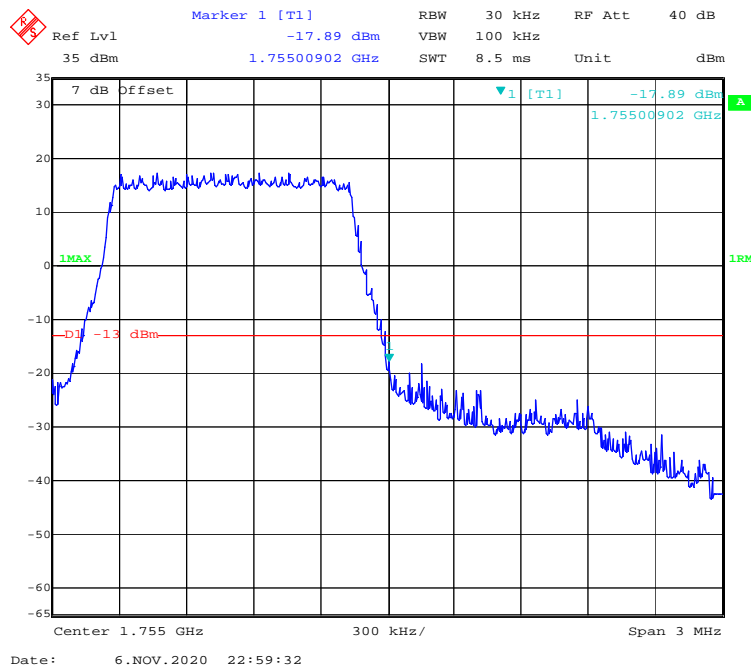


LTE Band 4:

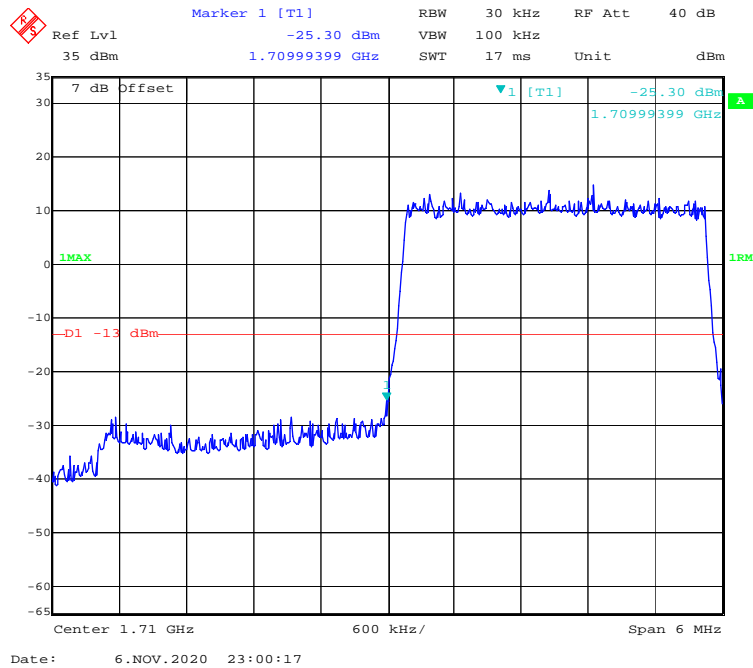
QPSK (1.4 MHz, FULL RB) - Left Band Edge



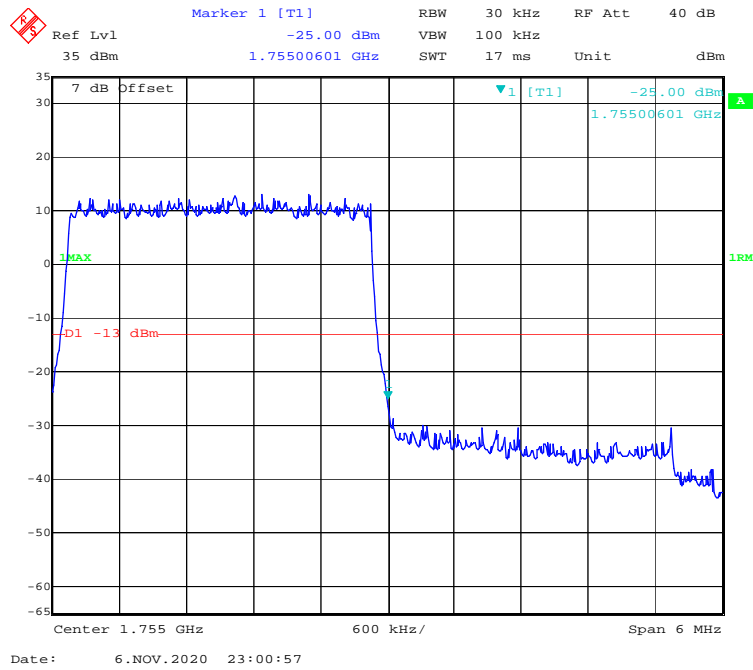
QPSK (1.4 MHz, FULL RB) - Right Band Edge



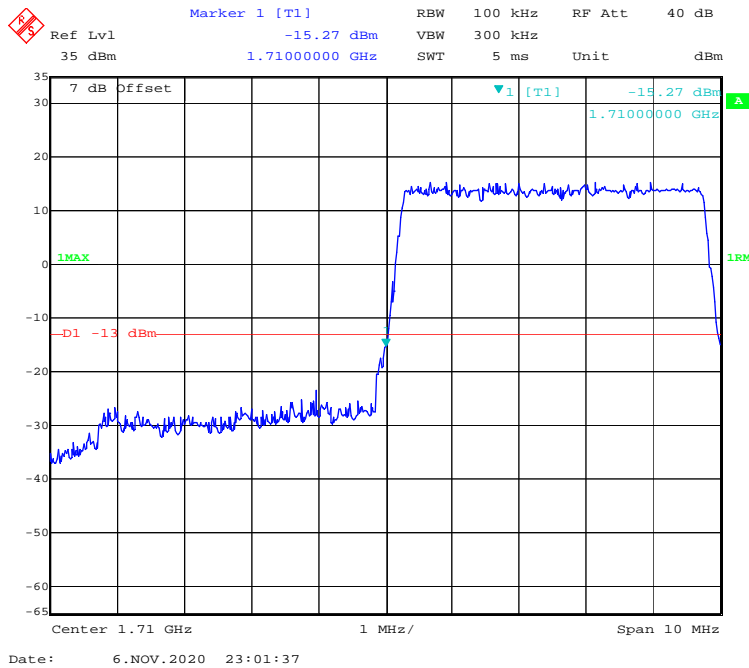
QPSK (3 MHz, FULL RB) - Left Band Edge



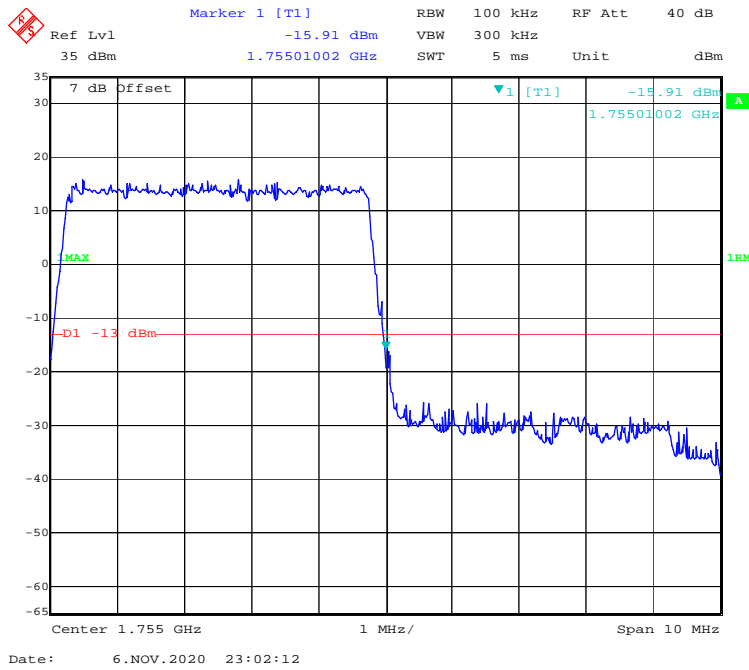
QPSK (3 MHz, FULL RB) - Right Band Edge



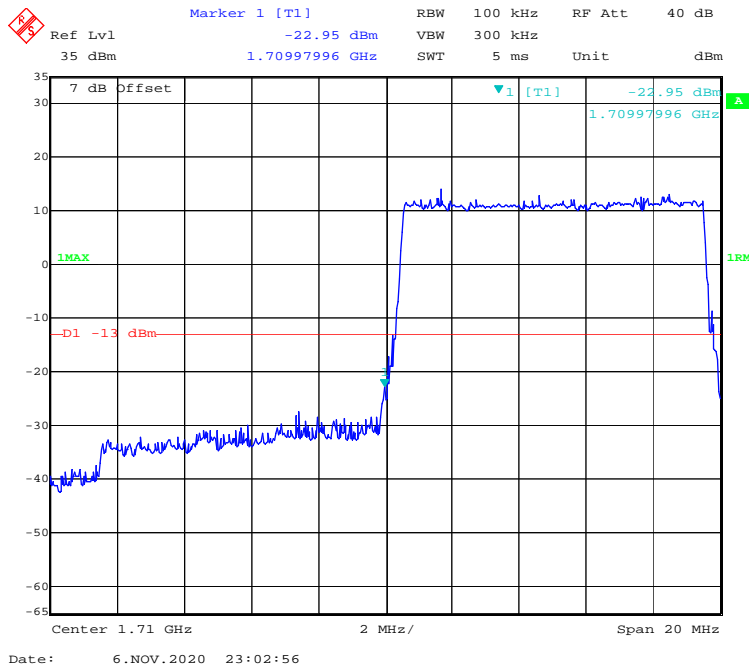
QPSK (5 MHz, FULL RB) - Left Band Edge



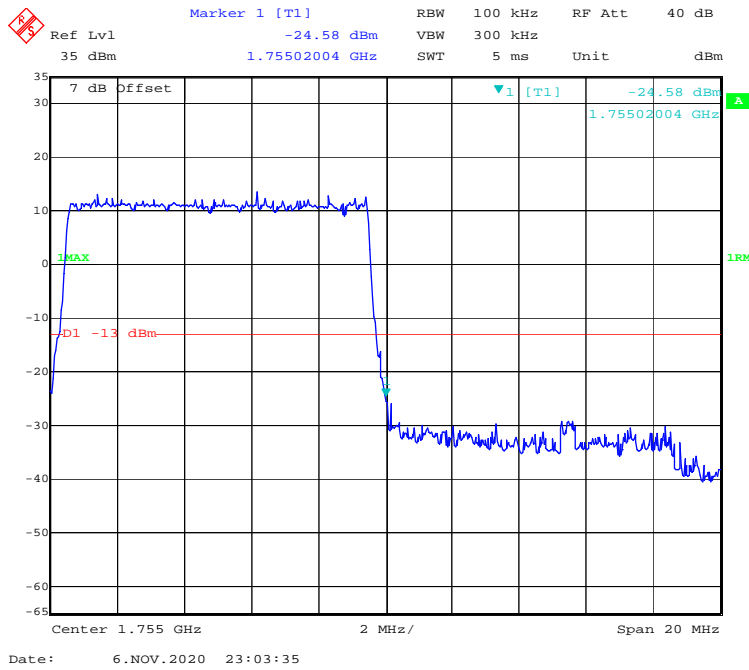
QPSK (5 MHz, FULL RB) - Right Band Edge



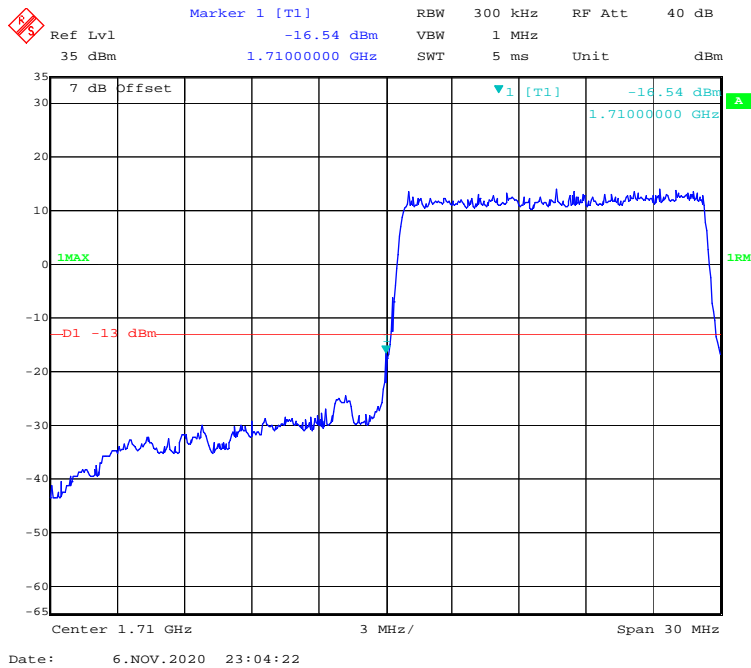
QPSK (10 MHz, FULL RB) - Left Band Edge



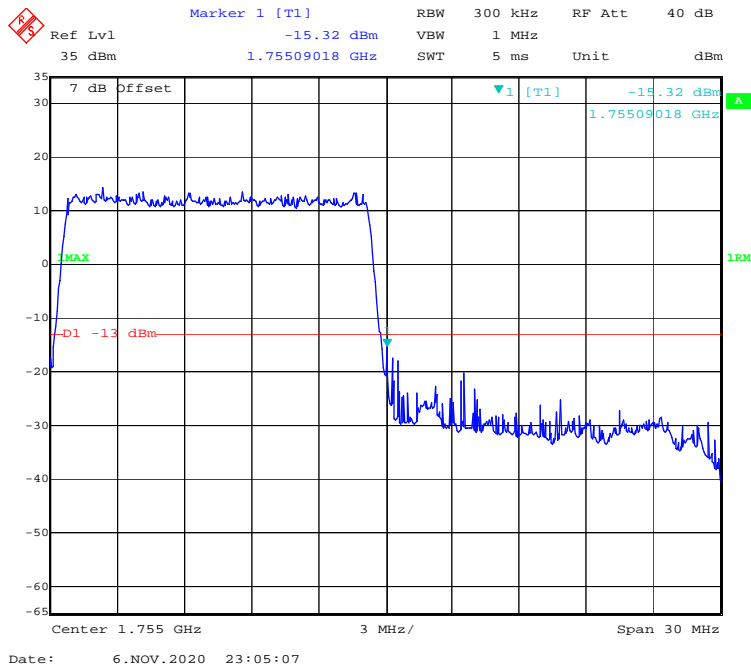
QPSK (10 MHz, FULL RB) - Right Band Edge



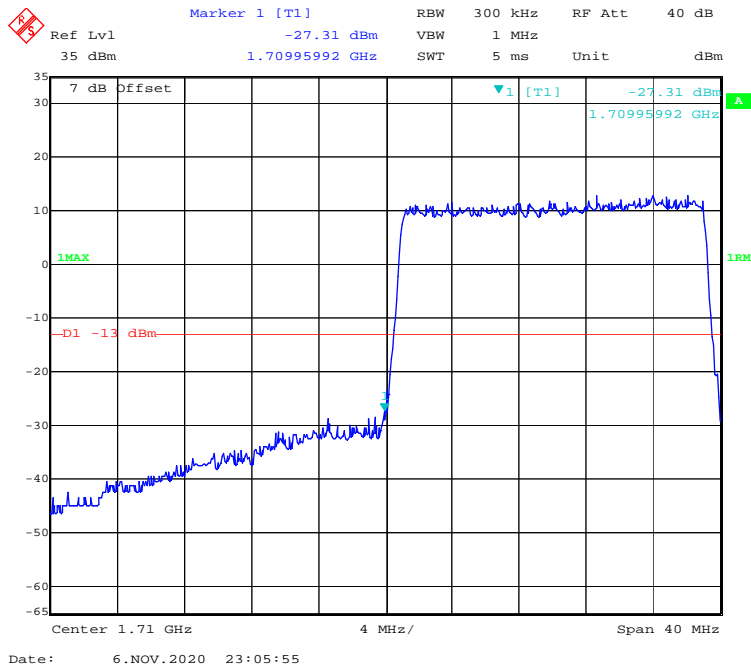
QPSK (15 MHz, FULL RB) - Left Band Edge



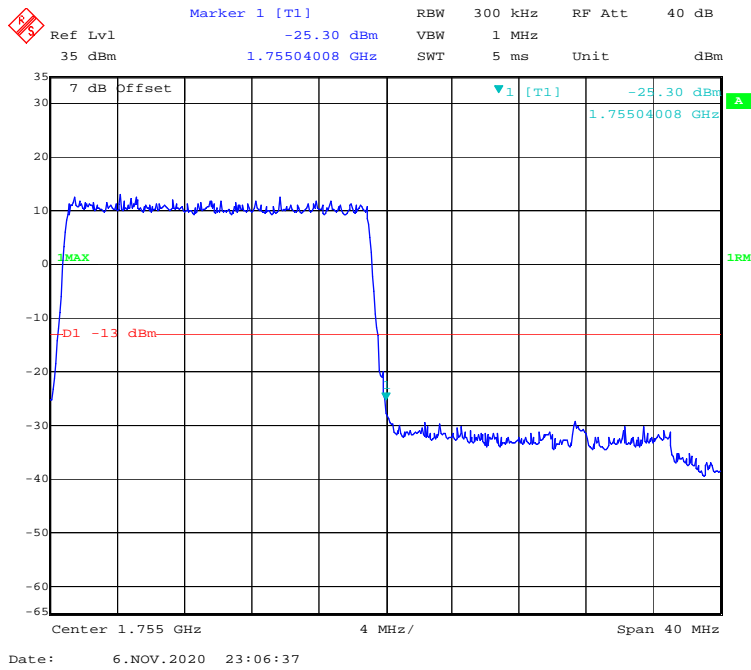
QPSK (15 MHz, FULL RB) - Right Band Edge



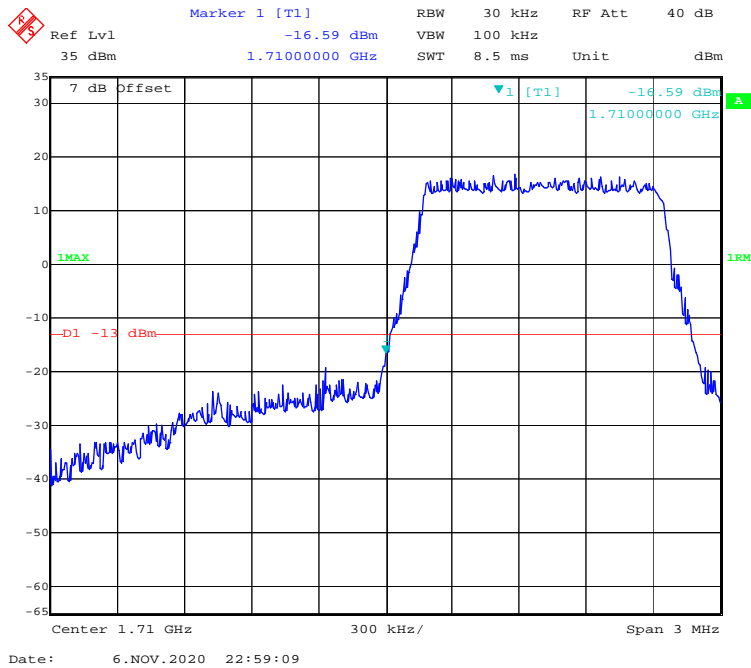
QPSK (20 MHz, FULL RB) - Left Band Edge



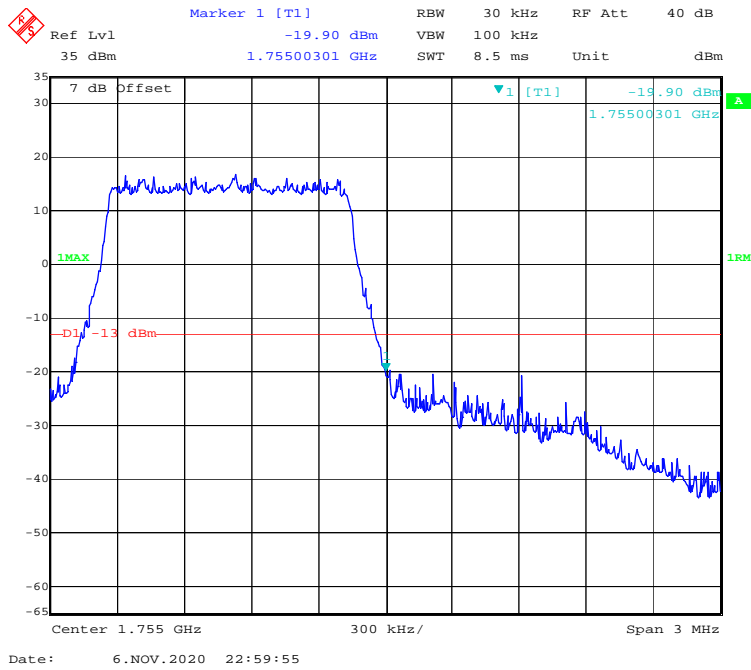
QPSK (20 MHz, FULL RB) - Right Band Edge



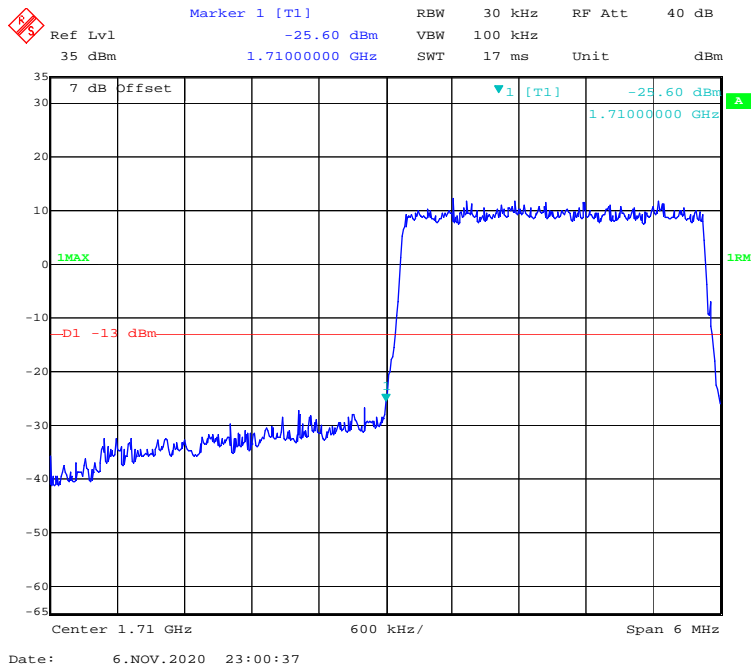
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



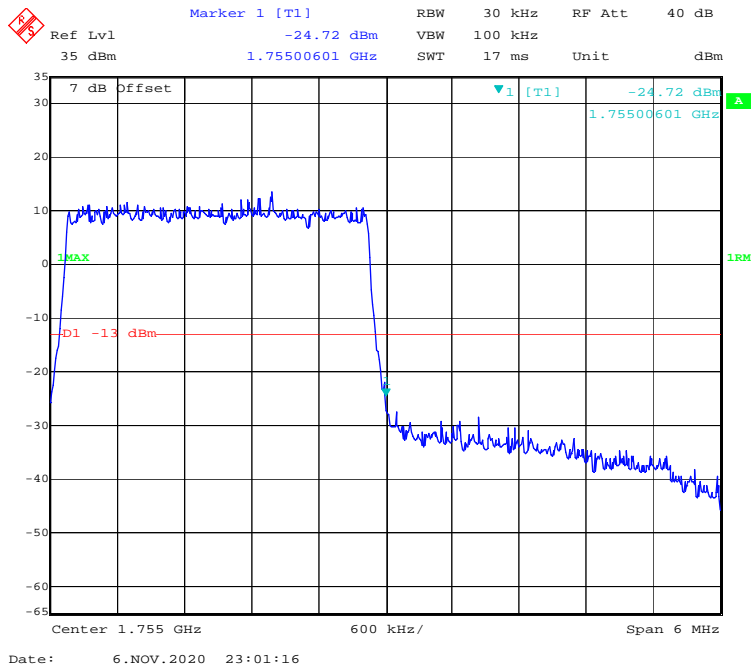
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



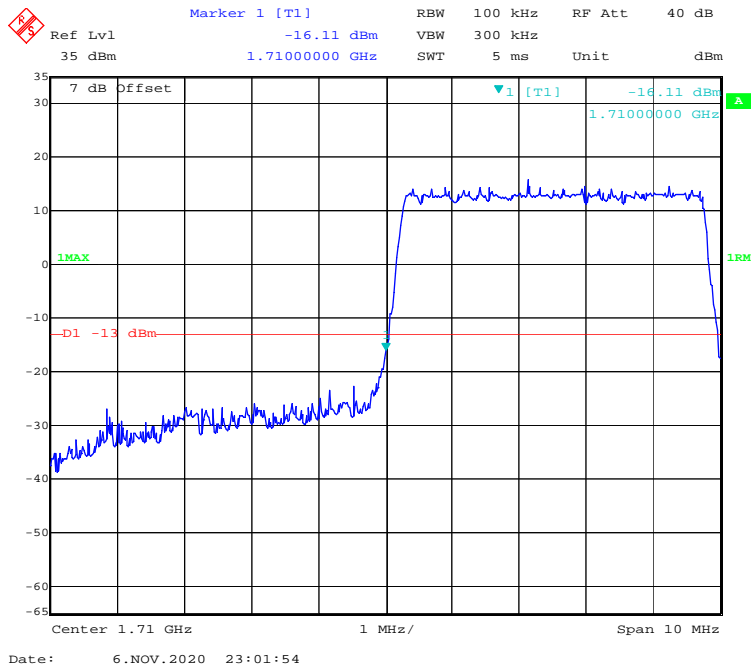
16-QAM (3 MHz, FULL RB) - Left Band Edge



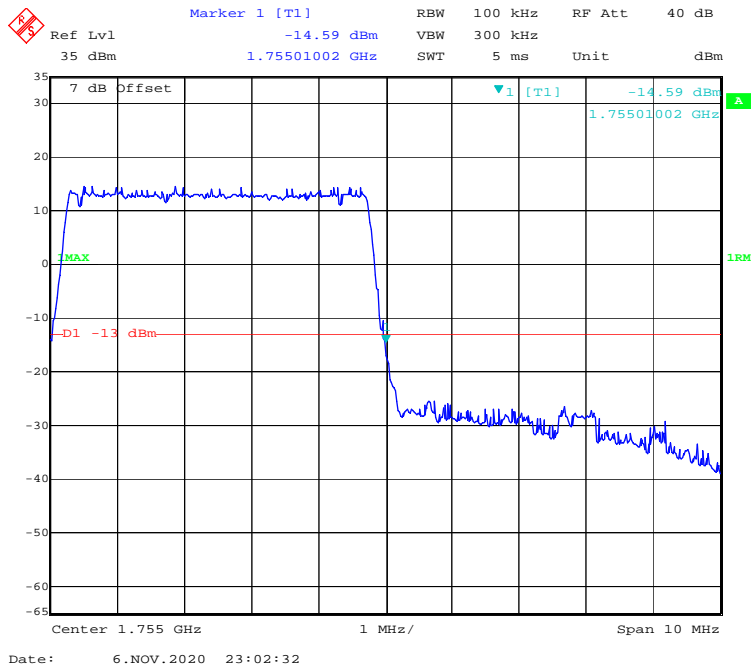
16-QAM (3 MHz, FULL RB) - Right Band Edge



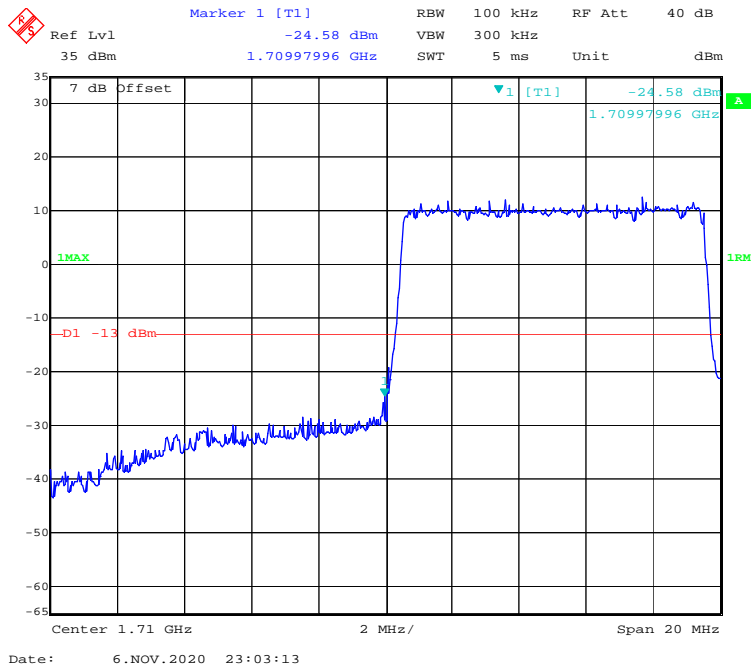
16-QAM (5 MHz, FULL RB) - Left Band Edge



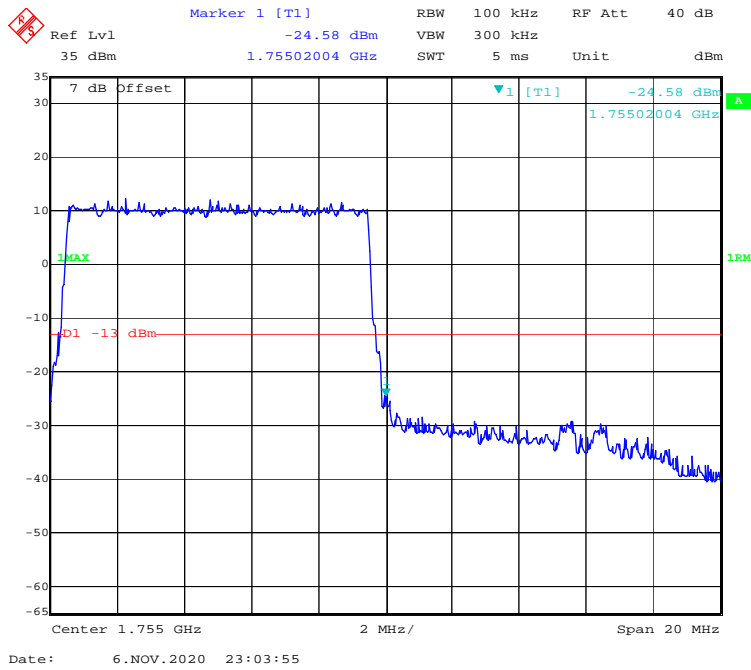
16-QAM (5 MHz, FULL RB) - Right Band Edge



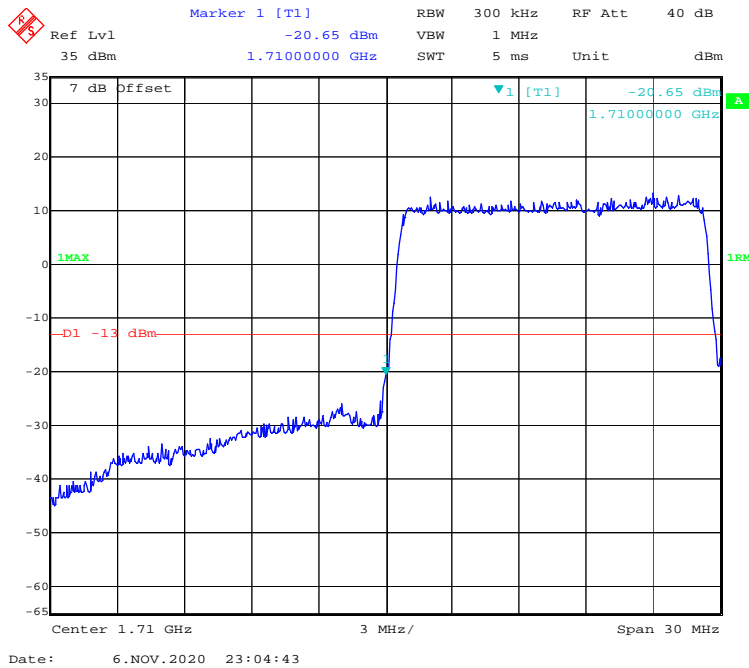
16-QAM (10 MHz, FULL RB) - Left Band Edge



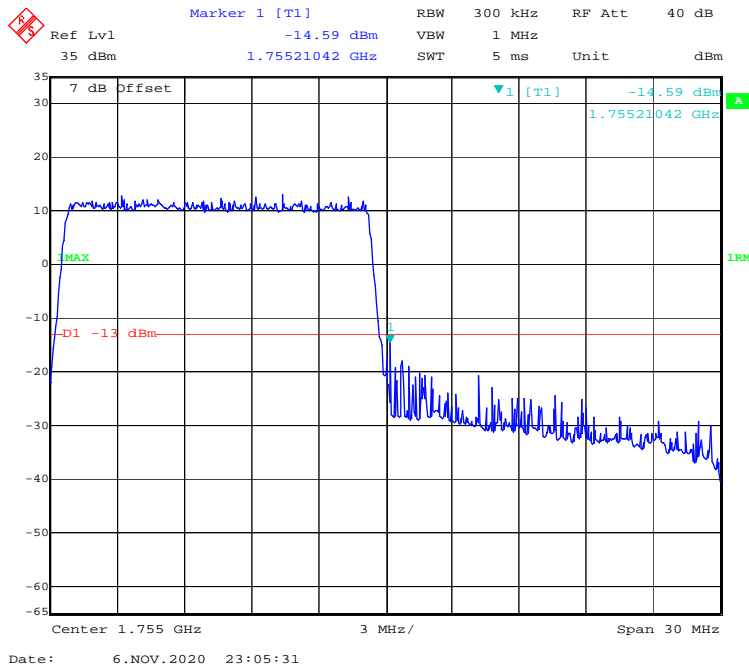
16-QAM (10 MHz, FULL RB) - Right Band Edge



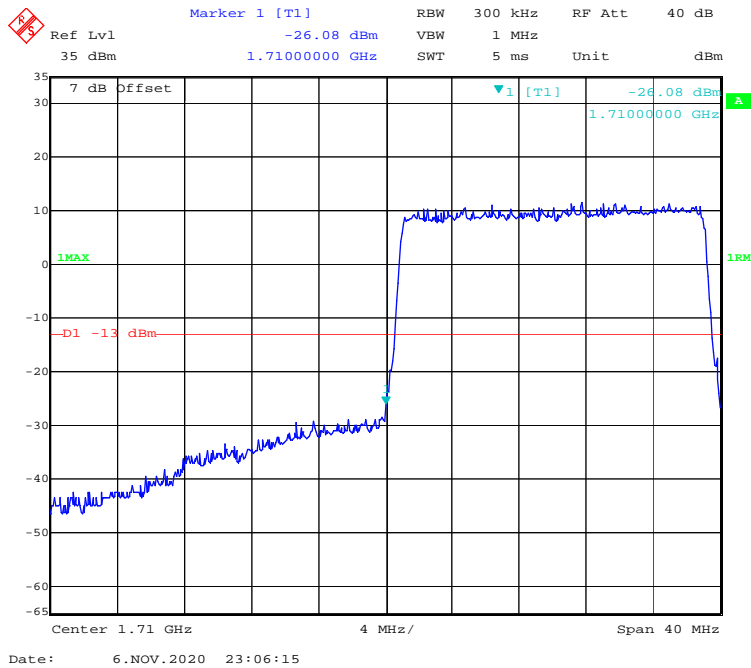
16-QAM (15 MHz, FULL RB) - Left Band Edge



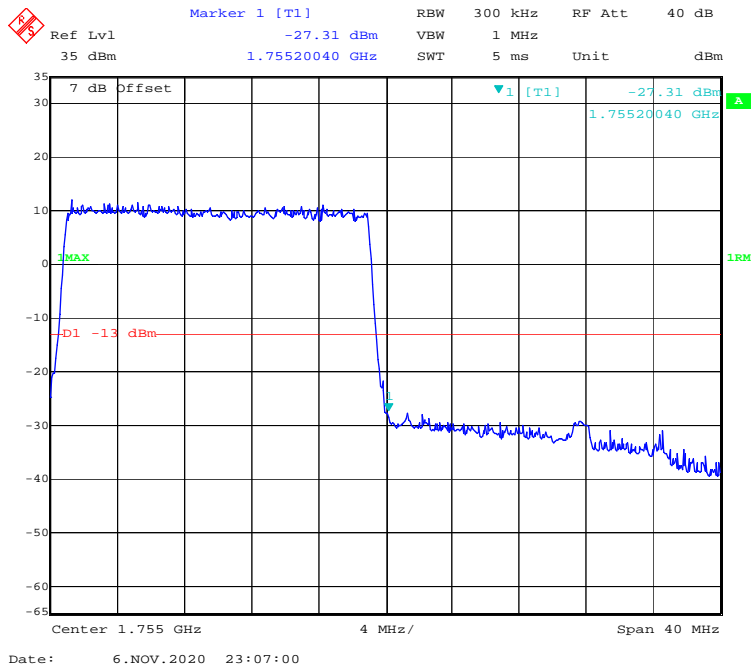
16-QAM (15 MHz, FULL RB) - Right Band Edge



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

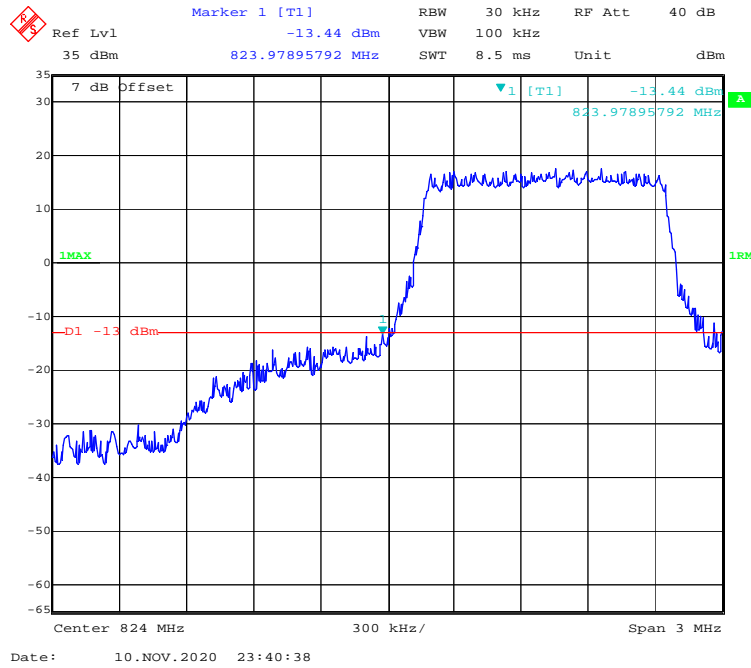


16-QAM (20 MHz, FULL RB) - Right Band Edge

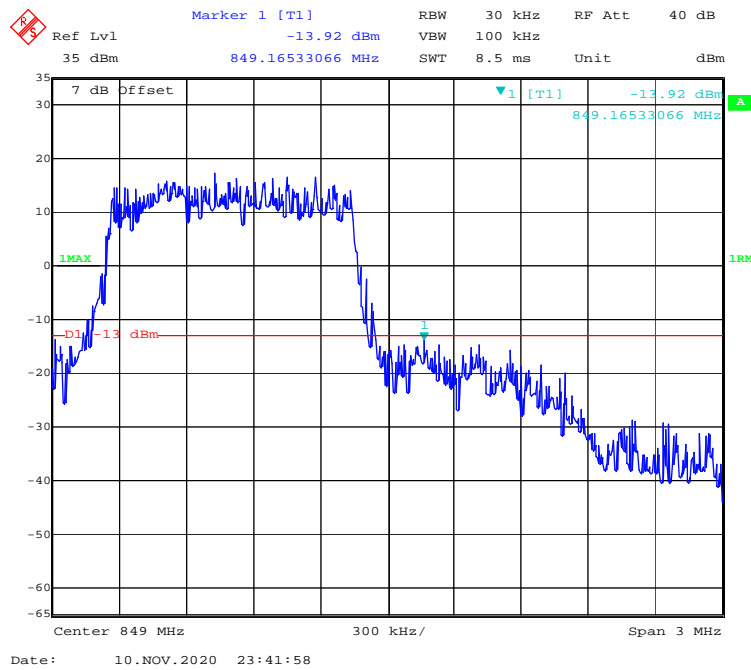


LTE Band 5:

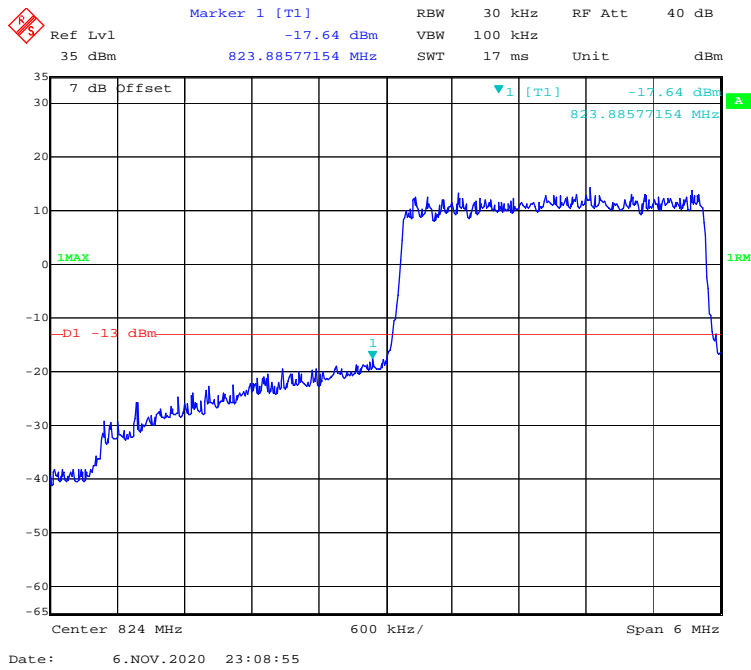
QPSK (1.4 MHz, FULL RB) - Left Band Edge



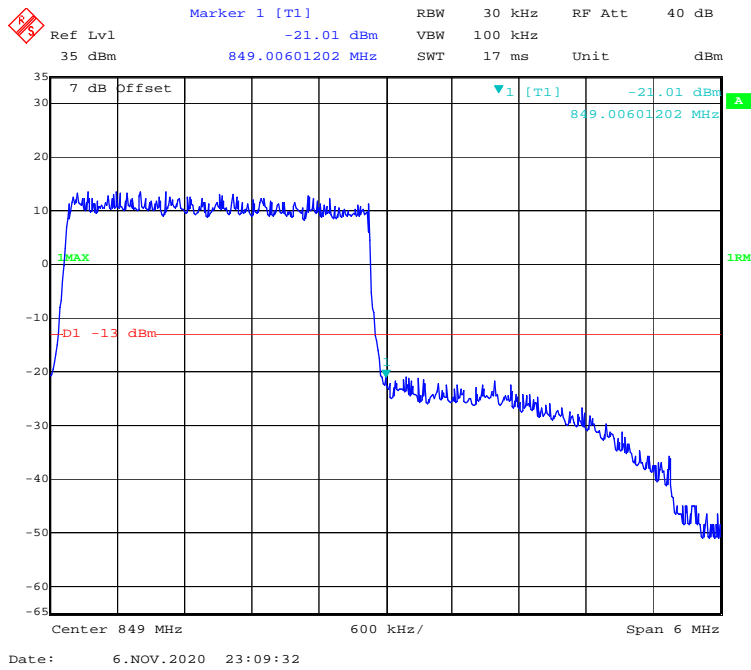
QPSK (1.4 MHz, FULL RB) - Right Band Edge



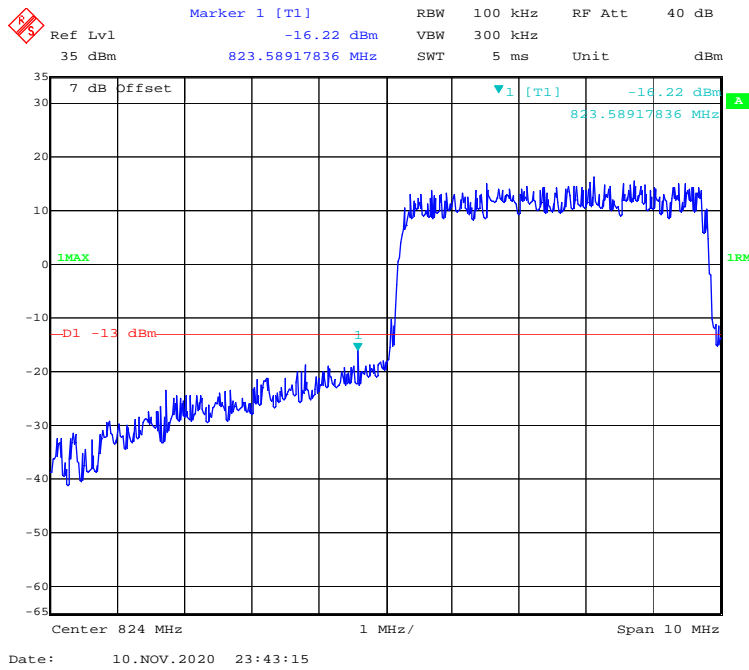
QPSK (3.0 MHz, FULL RB) - Left Band Edge



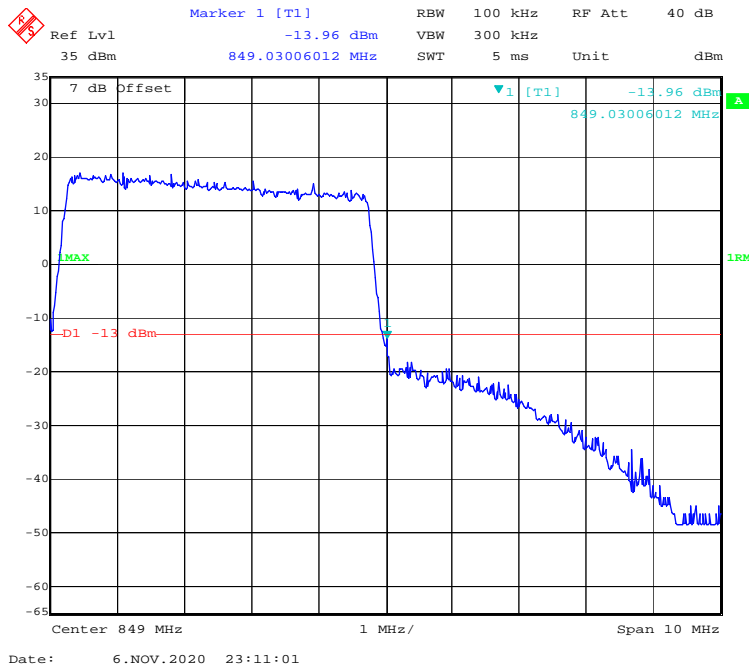
QPSK (3.0 MHz, FULL RB) - Right Band Edge



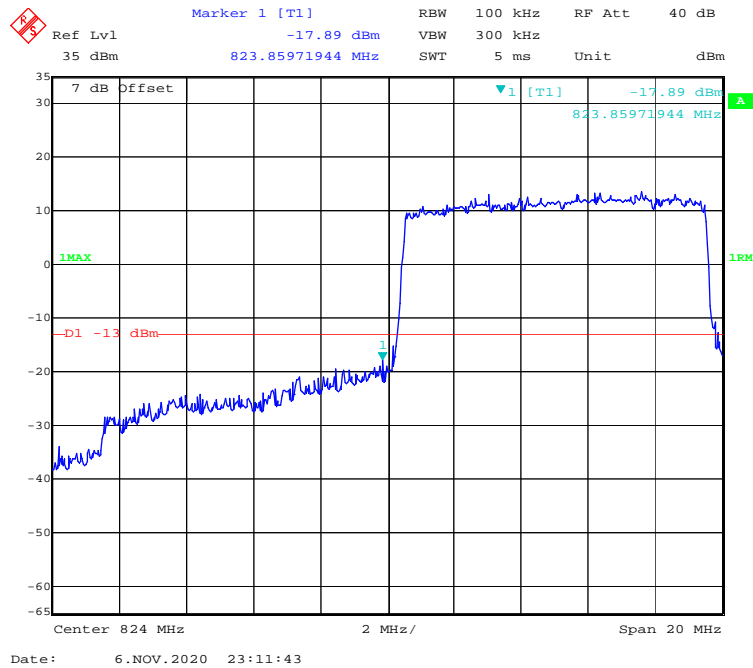
QPSK (5.0 MHz, FULL RB) - Left Band Edge



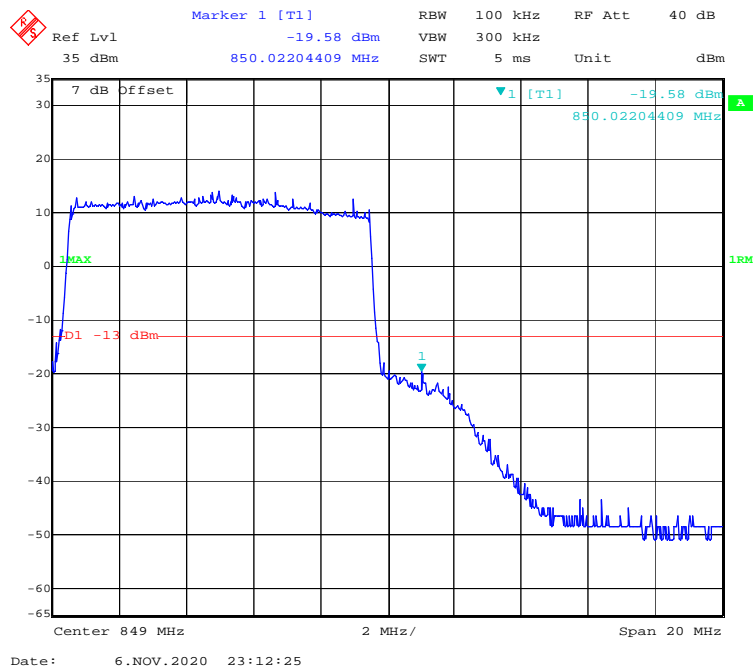
QPSK (5.0 MHz, FULL RB) - Right Band Edge



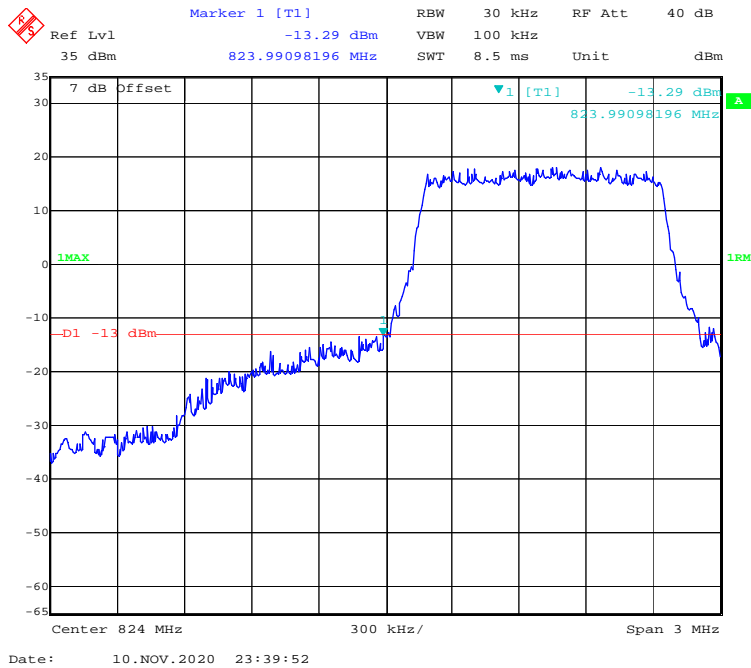
QPSK (10.0 MHz, FULL RB) - Left Band Edge



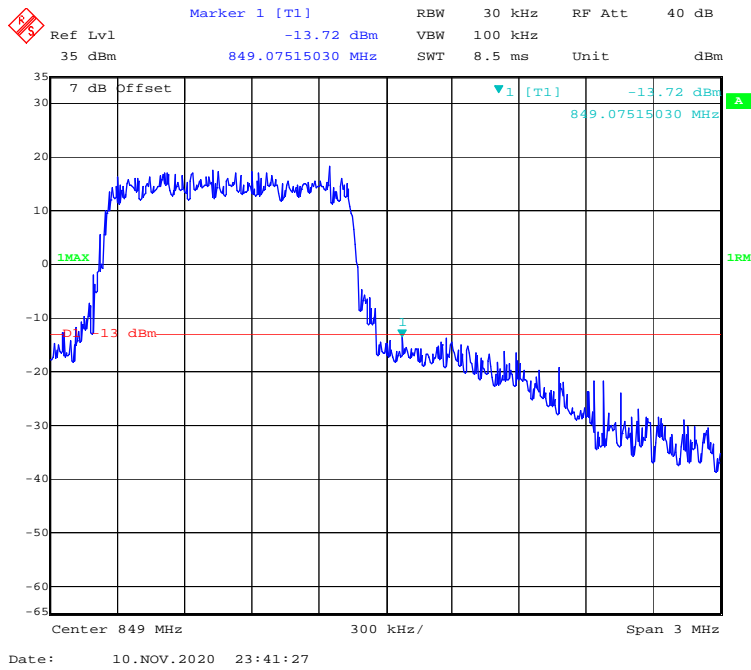
QPSK (10.0 MHz, FULL RB) - Right Band Edge



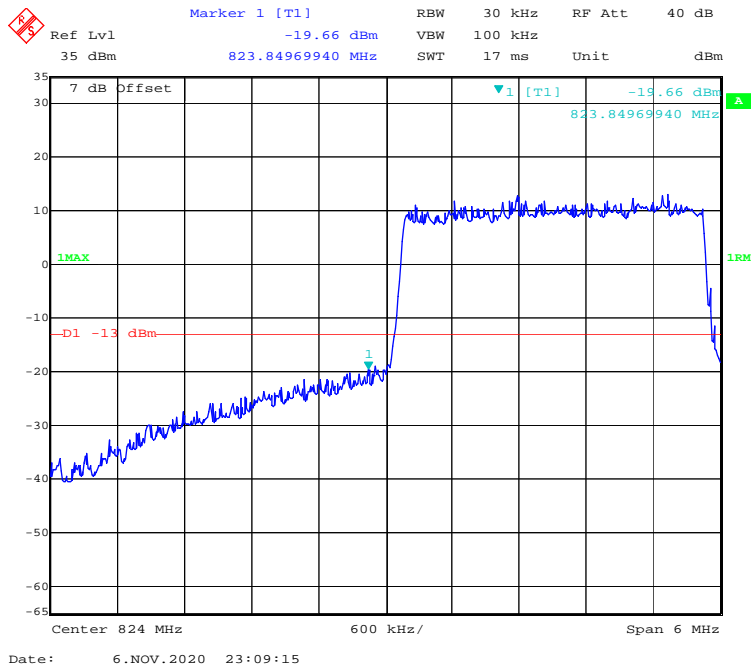
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



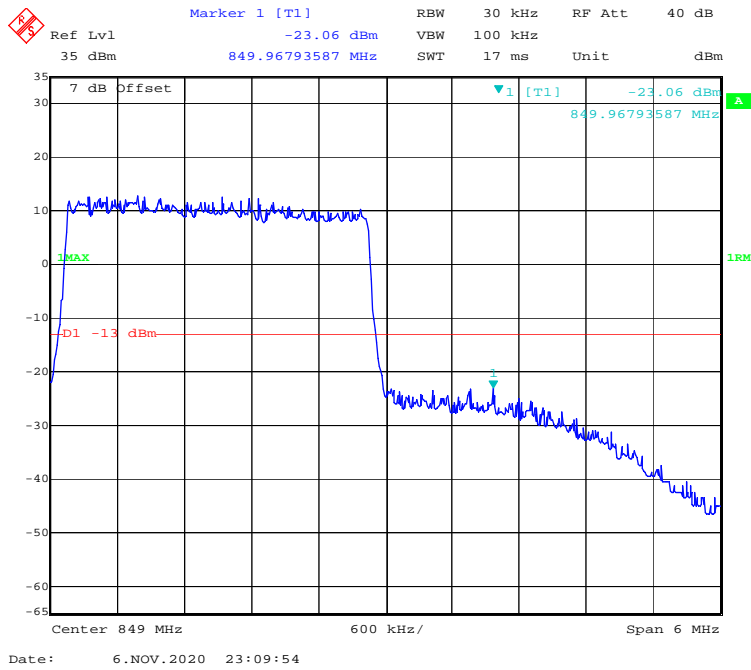
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



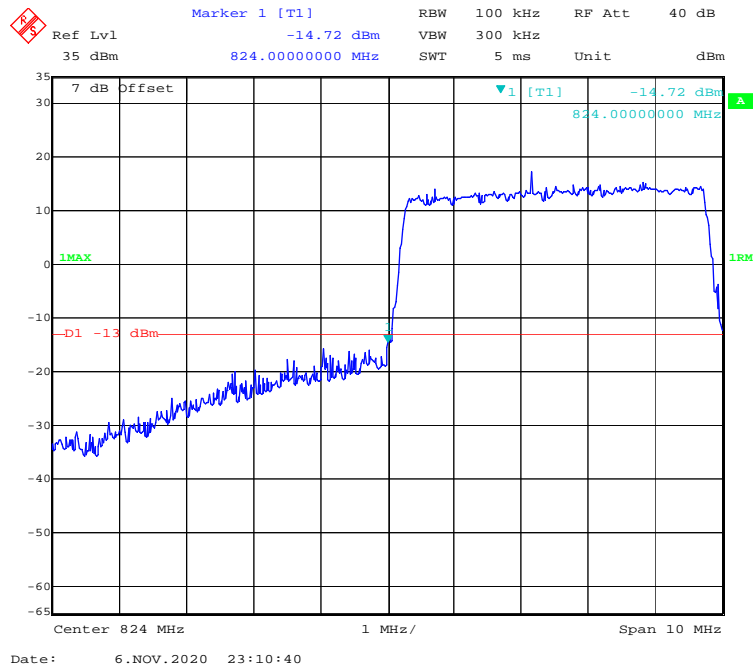
16-QAM (3.0 MHz, FULL RB) - Left Band Edge



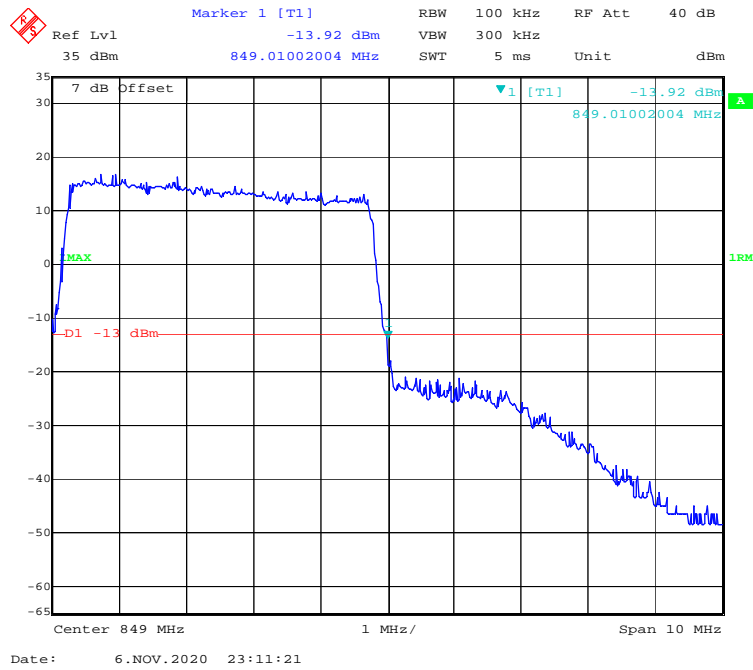
16-QAM (3.0 MHz, FULL RB) - Right Band Edge



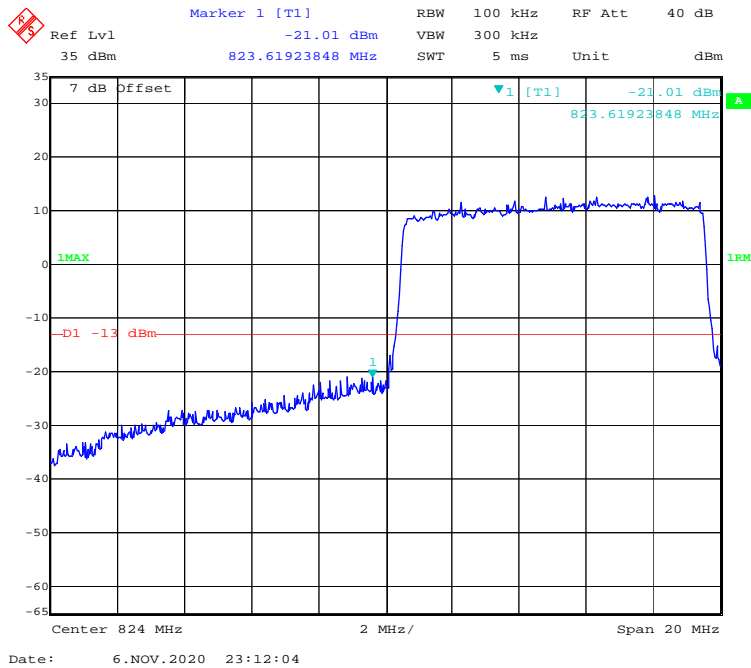
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



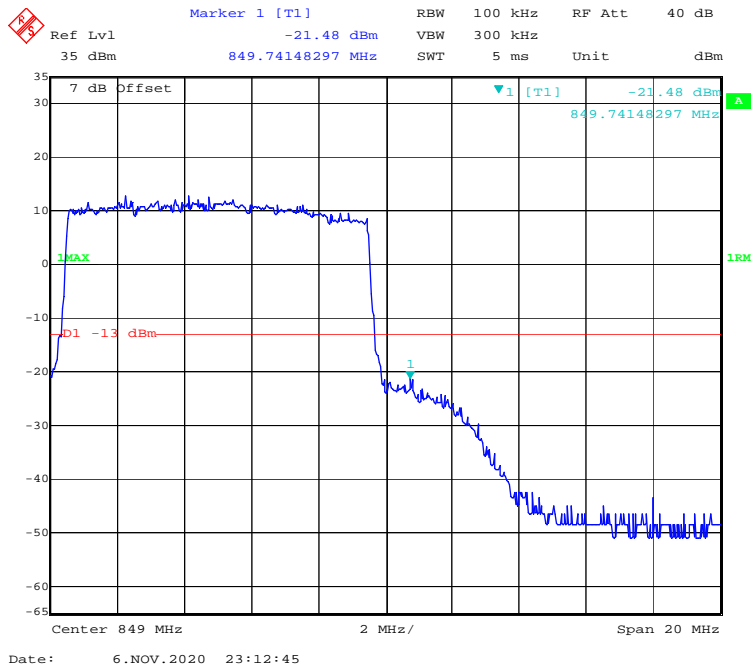
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



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

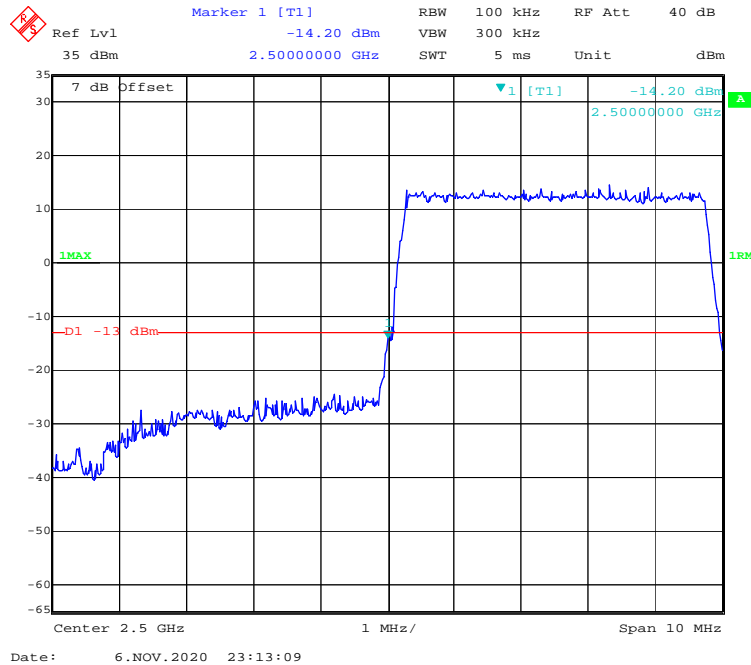


16-QAM (10.0 MHz, FULL RB) - Right Band Edge

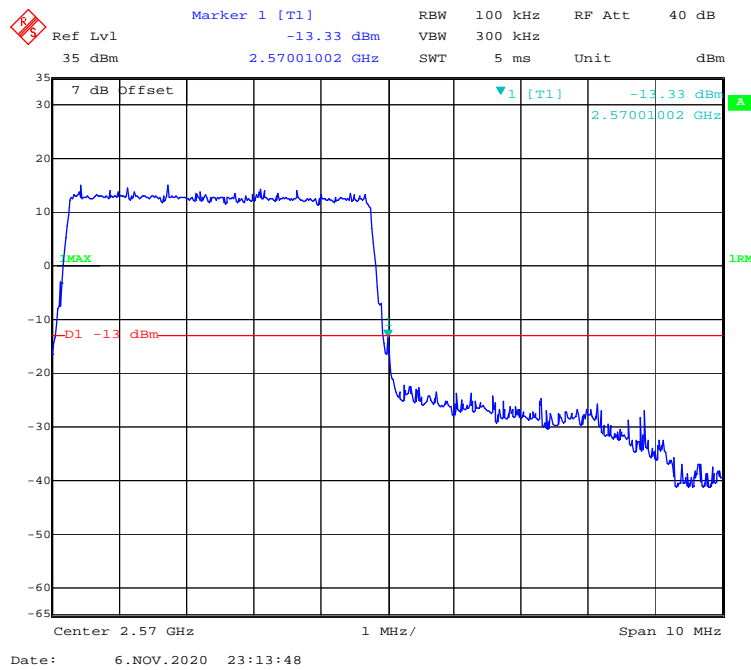


LTE Band 7:

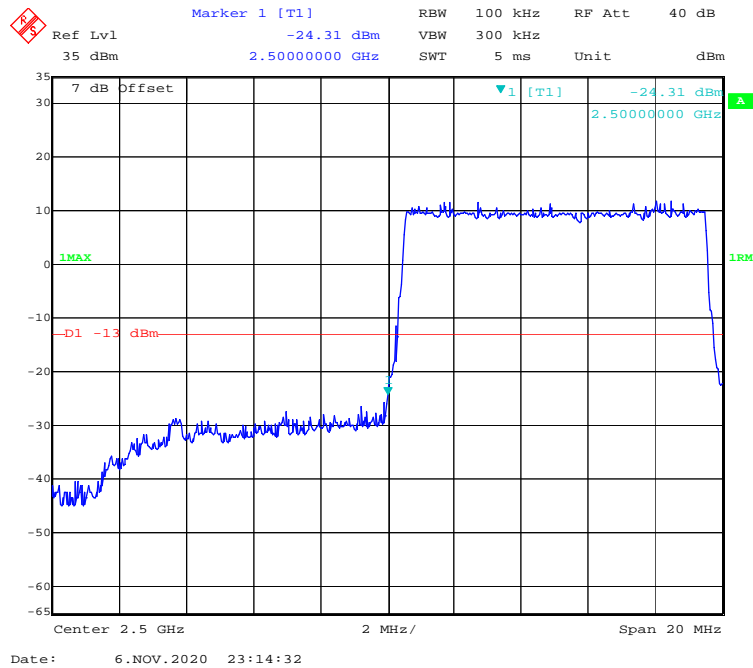
QPSK (5.0 MHz, FULL RB) - Left Band Edge



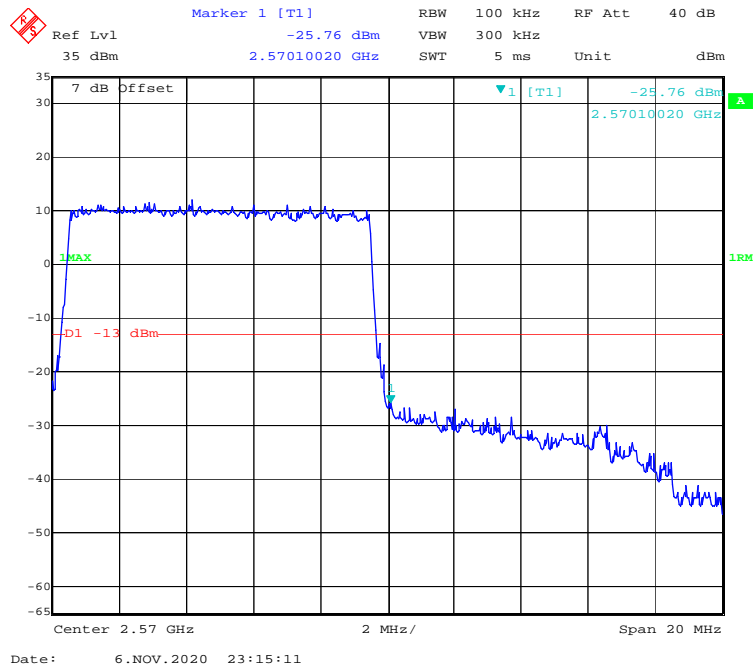
QPSK (5.0 MHz, FULL RB) - Right Band Edge



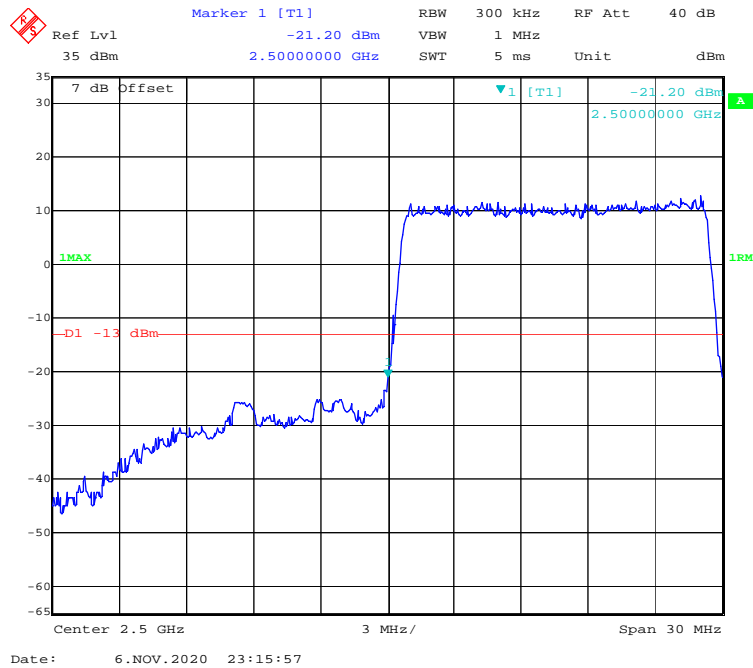
QPSK (10.0 MHz, FULL RB) - Left Band Edge



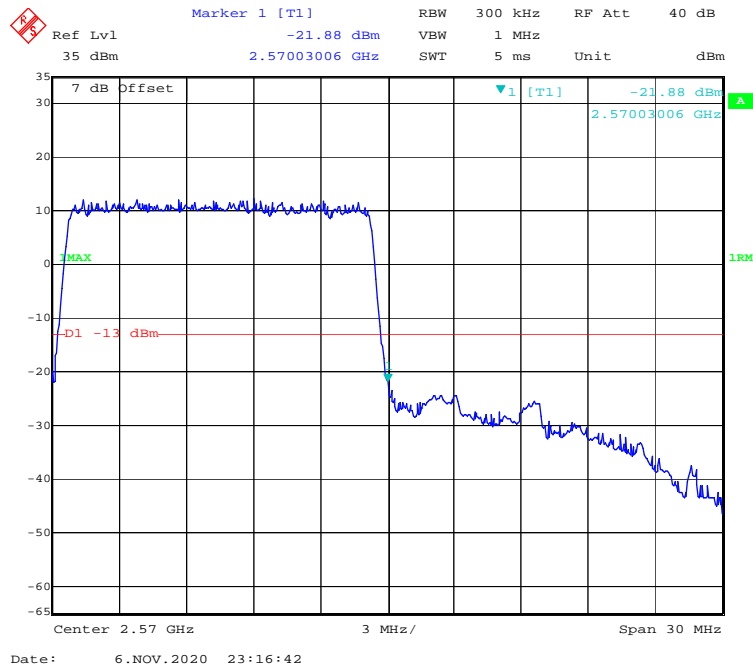
QPSK (10.0 MHz, FULL RB) - Right Band Edge



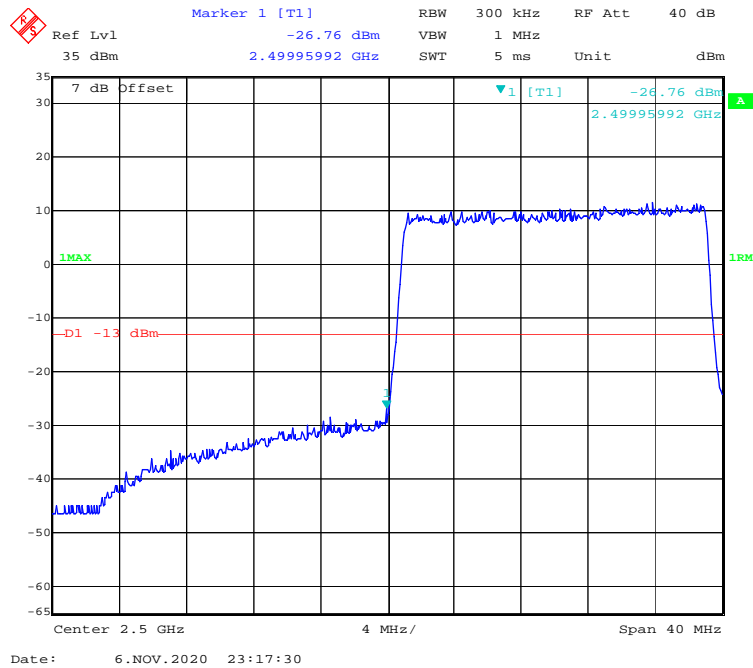
QPSK (15.0 MHz, FULL RB) - Left Band Edge



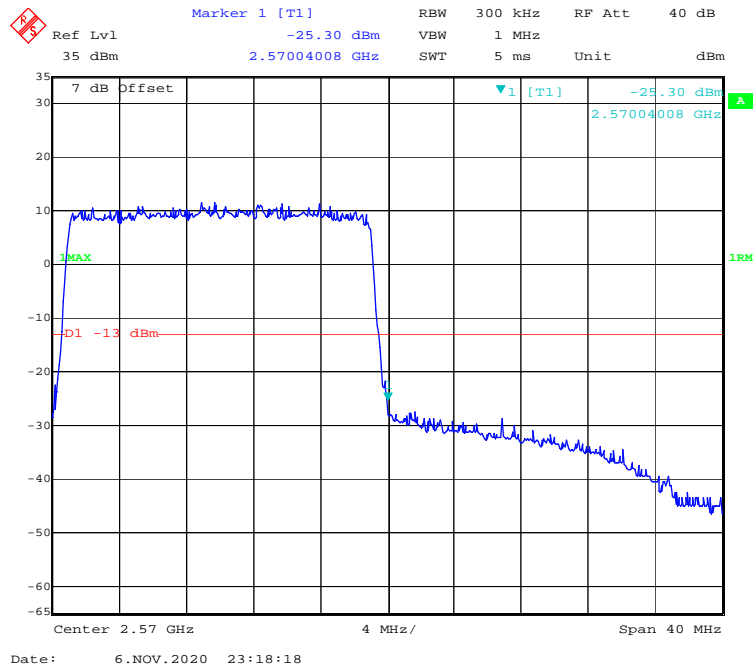
QPSK (15.0 MHz, FULL RB) - Right Band Edge



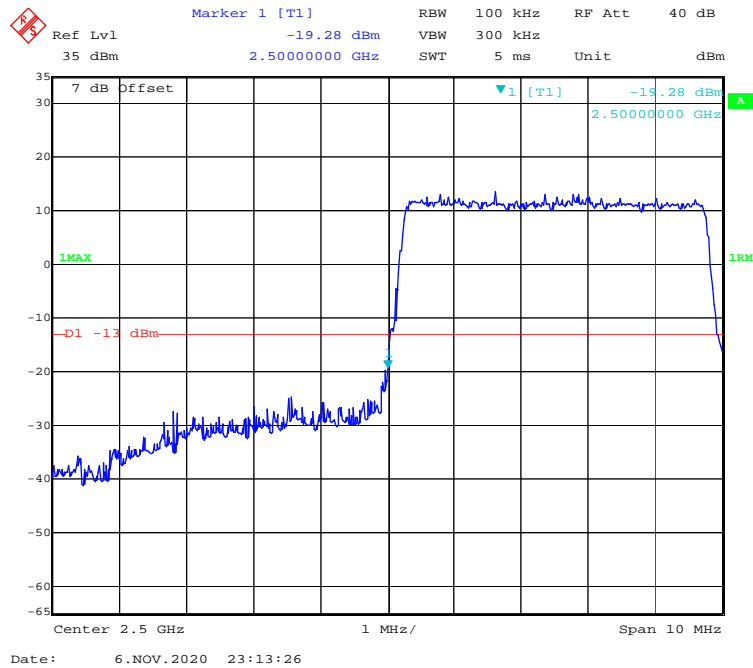
QPSK (20.0 MHz, FULL RB) - Left Band Edge



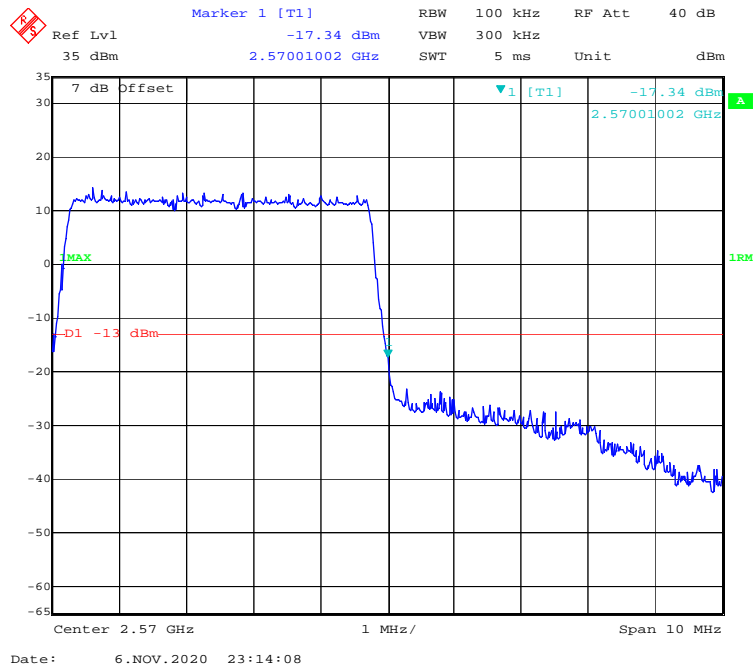
QPSK (20.0 MHz, FULL RB) - Right Band Edge



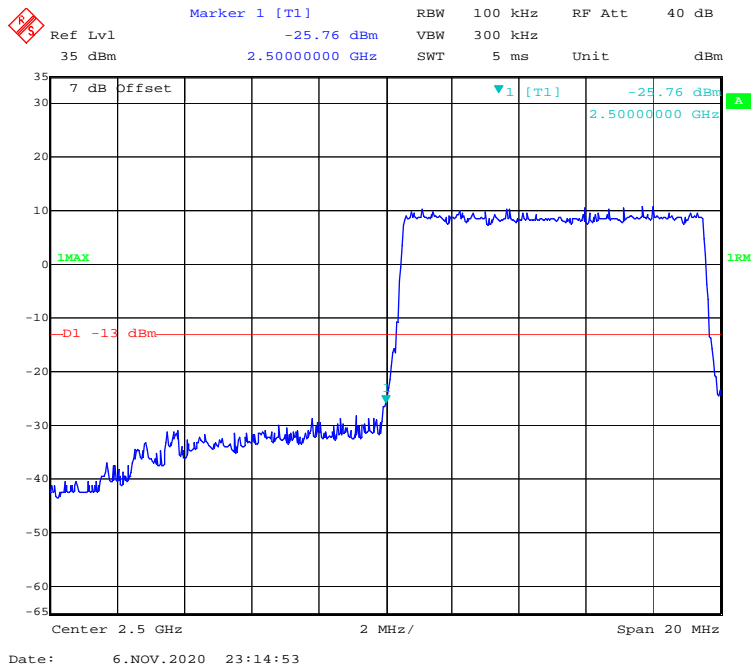
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



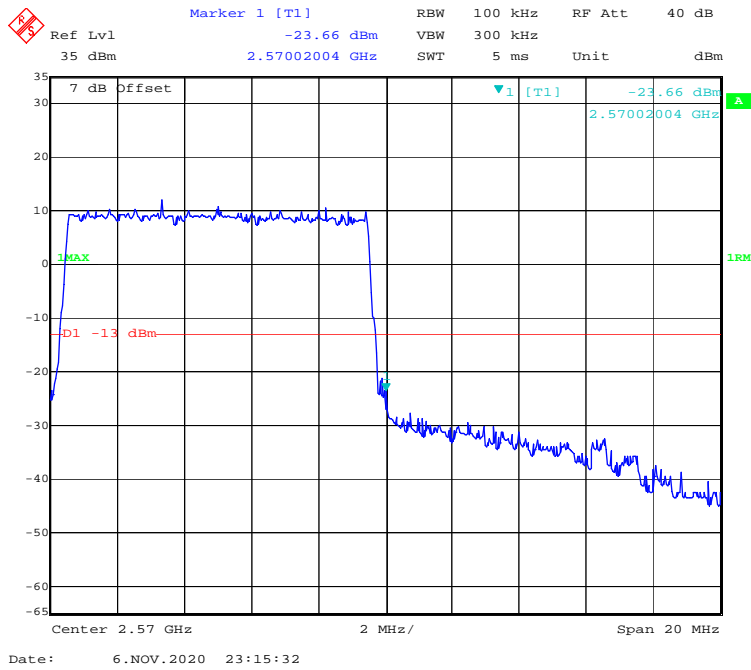
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



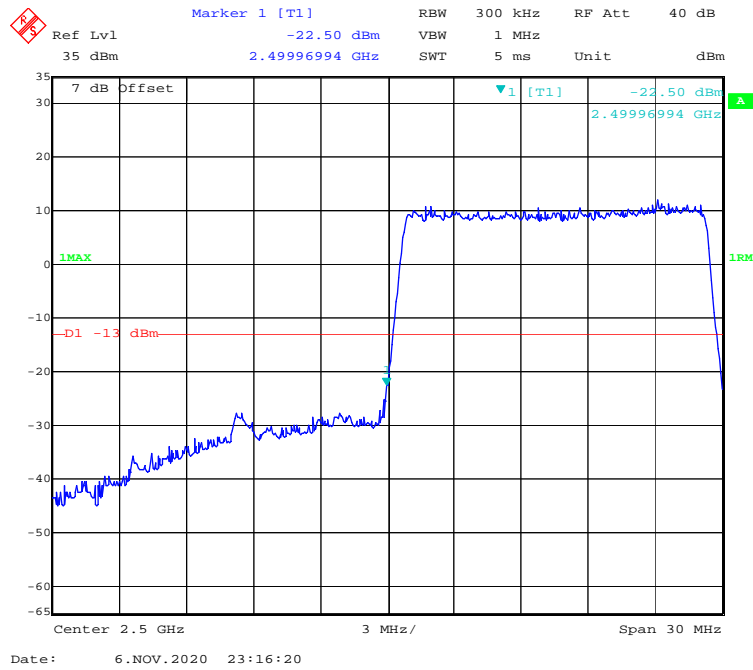
16-QAM (10.0 MHz, FULL RB) - Left Band Edge



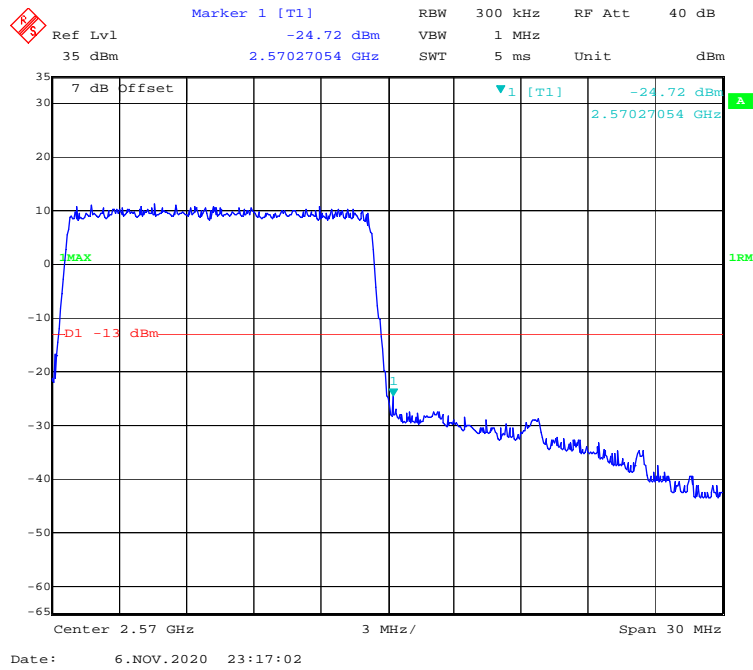
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



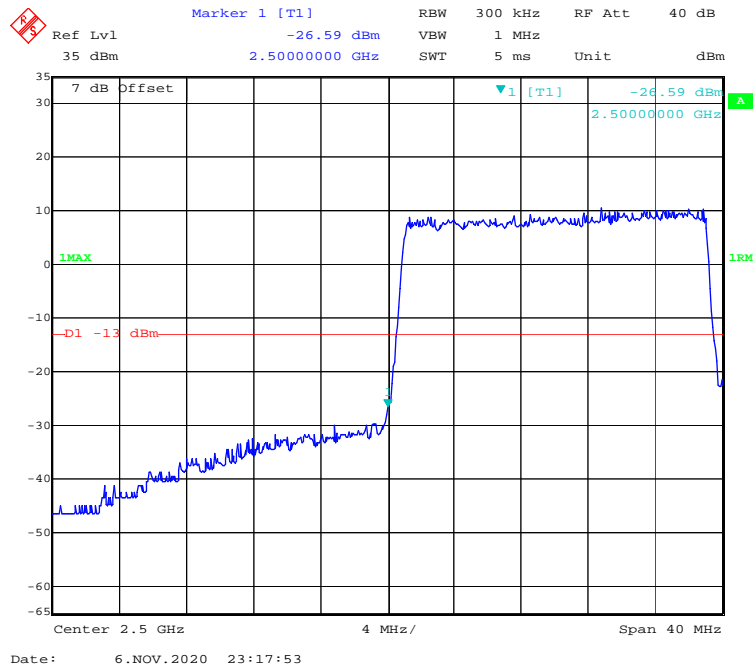
16-QAM (15.0 MHz, FULL RB) - Left Band Edge



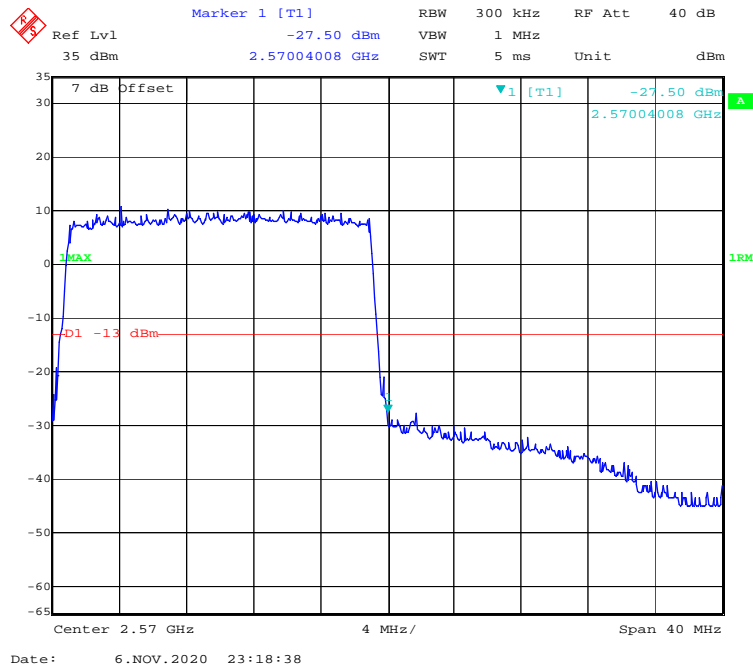
16-QAM (15.0 MHz, FULL RB) - Right Band Edge



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

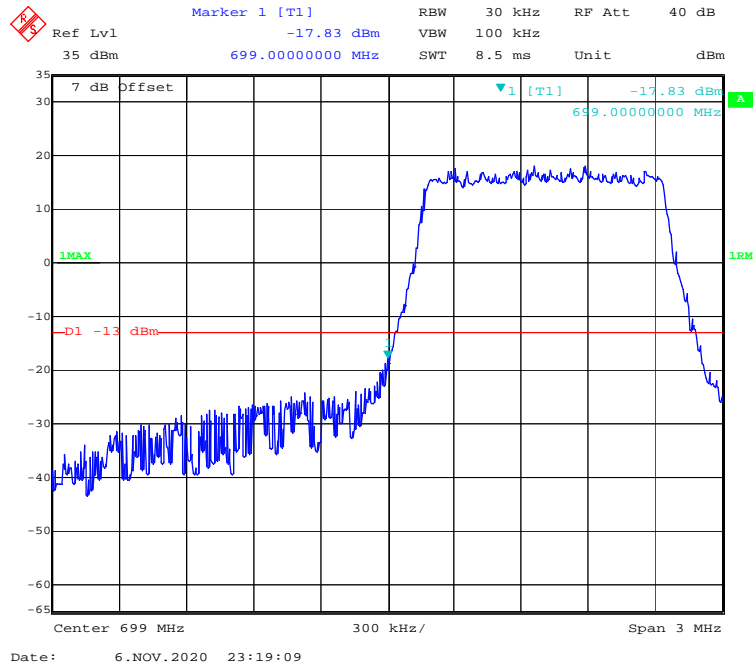


16-QAM (20.0 MHz, FULL RB) - Right Band Edge

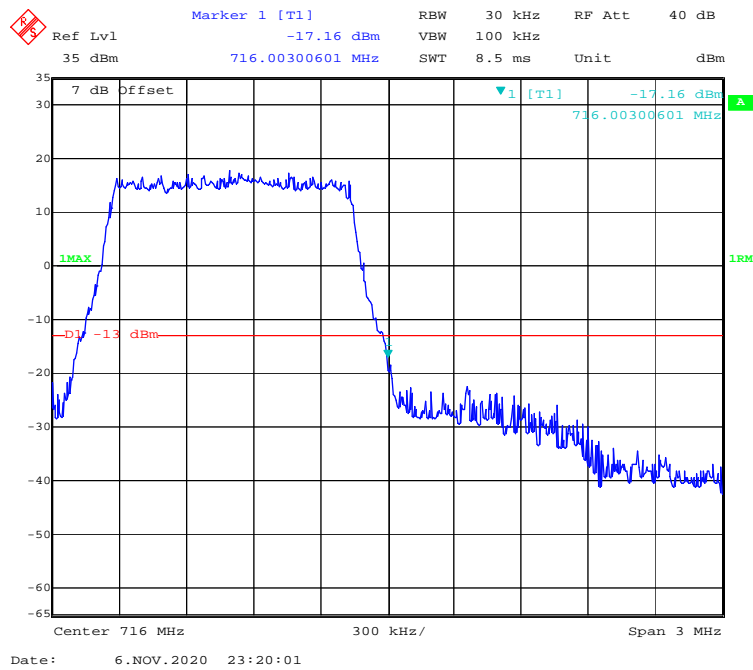


LTE Band 12:

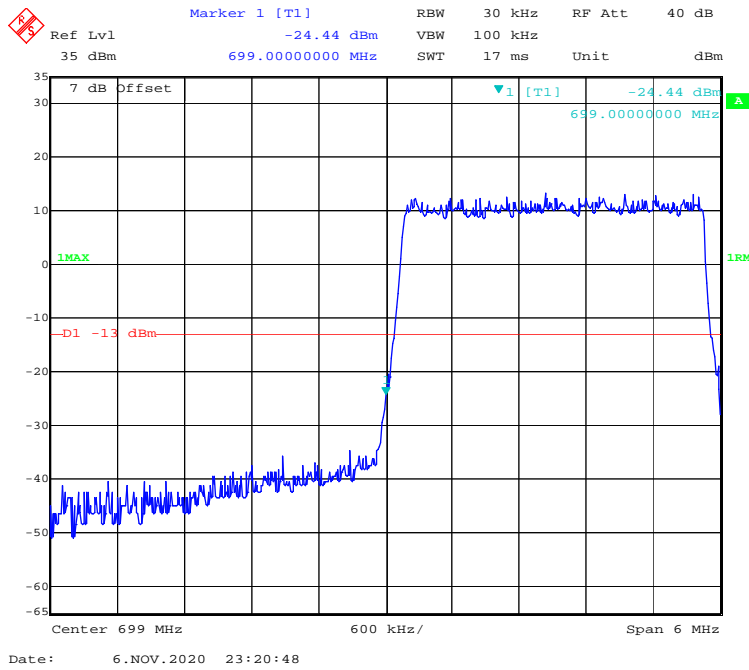
QPSK (1.4 MHz, FULL RB) - Left Band Edge



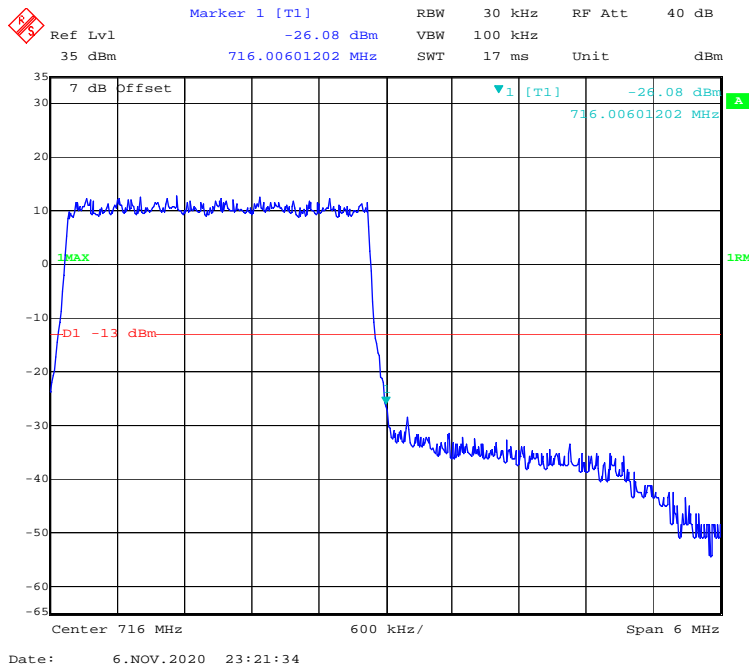
QPSK (1.4 MHz, FULL RB) - Right Band Edge



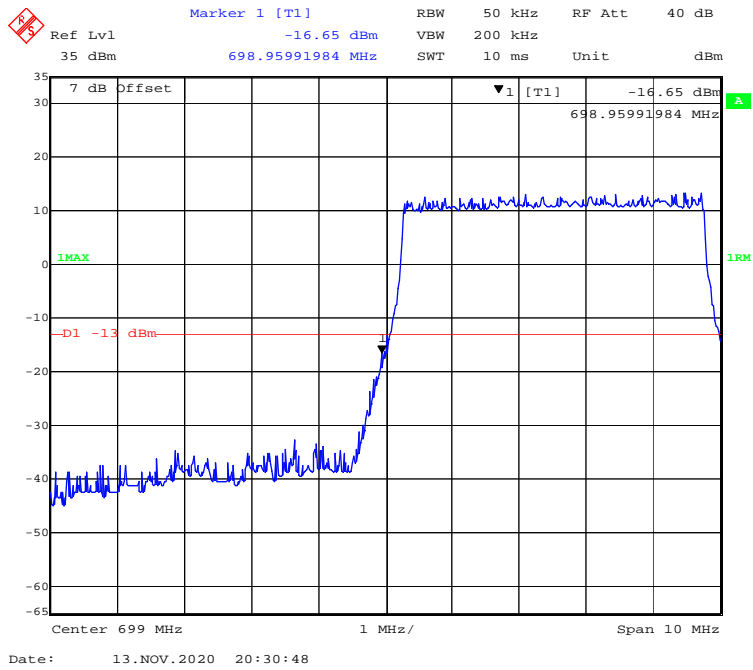
QPSK (3.0 MHz, FULL RB) - Left Band Edge



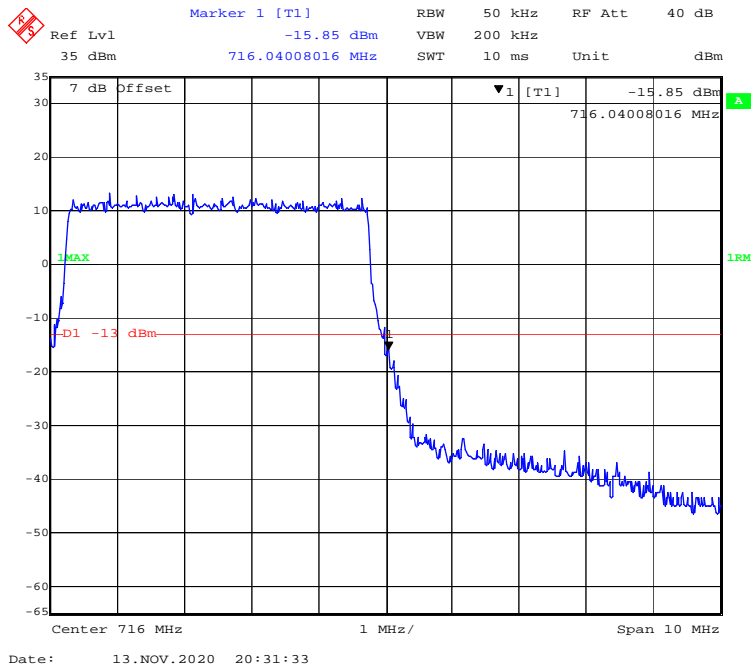
QPSK (3.0 MHz, FULL RB) - Right Band Edge



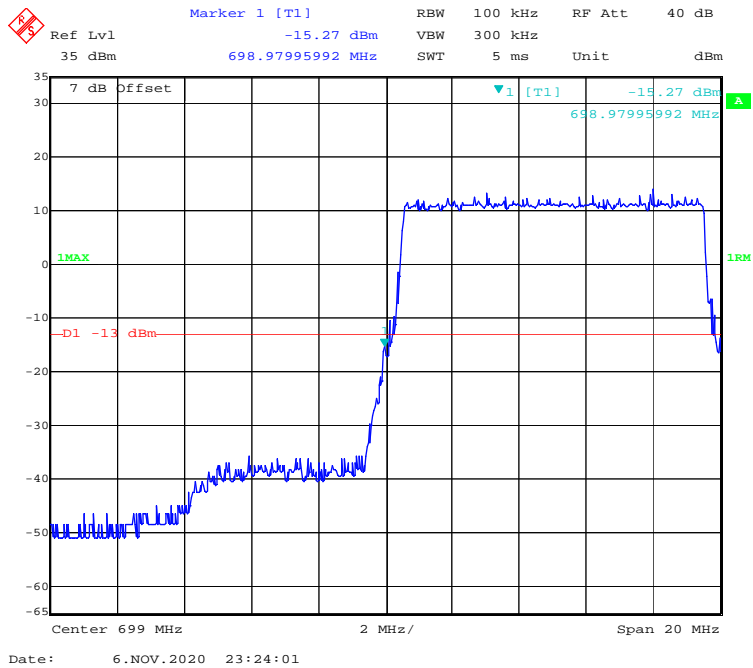
QPSK (5.0 MHz, FULL RB) - Left Band Edge



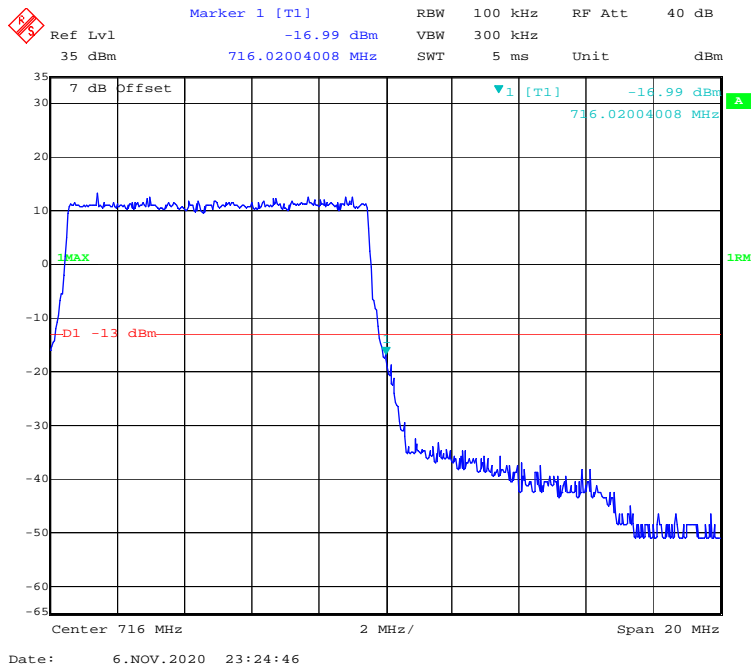
QPSK (5.0 MHz, FULL RB) - Right Band Edge



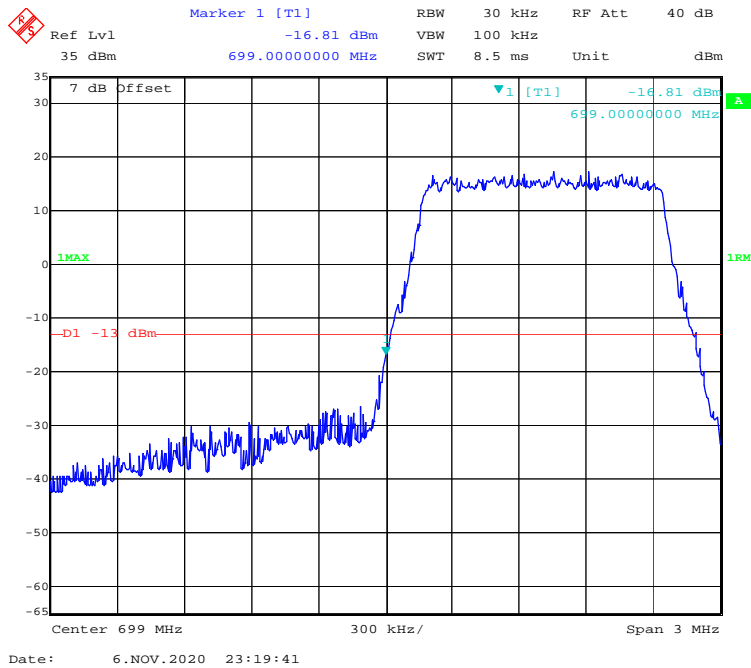
QPSK (10.0 MHz, FULL RB) - Left Band Edge



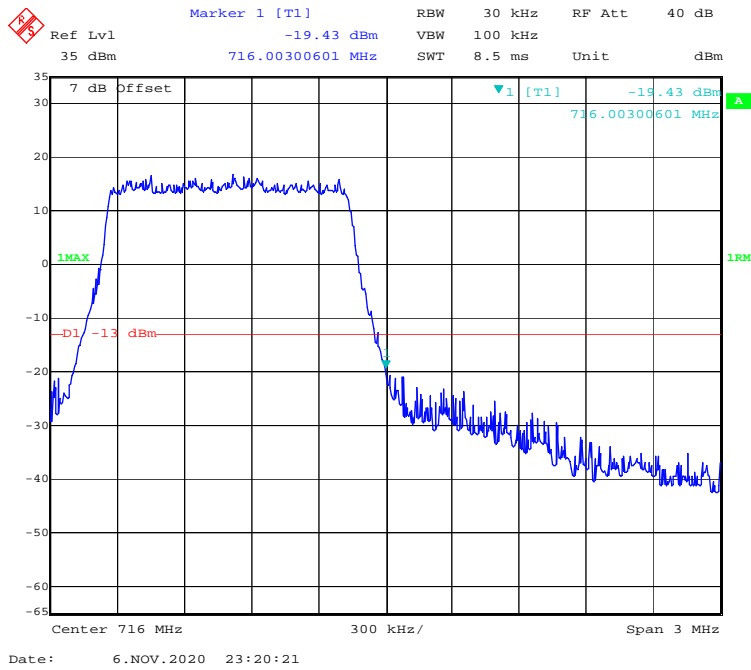
QPSK (10.0 MHz, FULL RB) - Right Band Edge



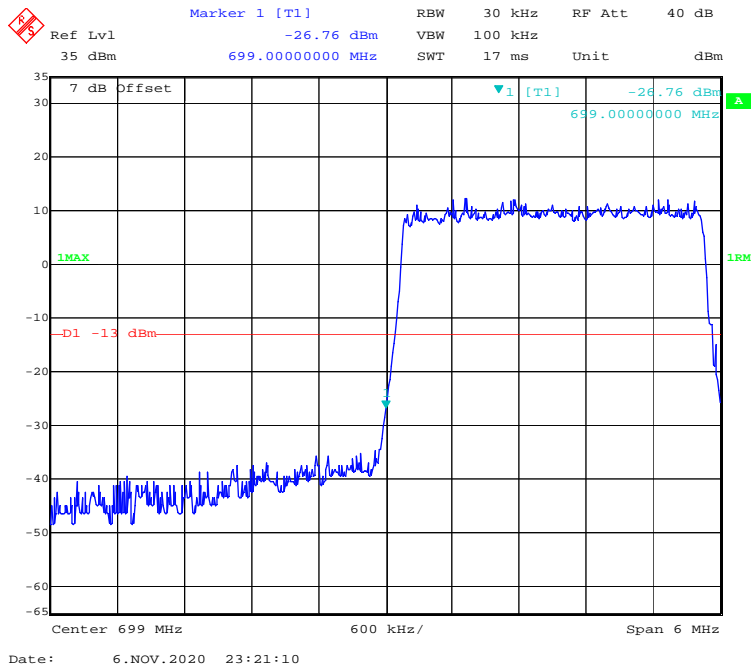
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



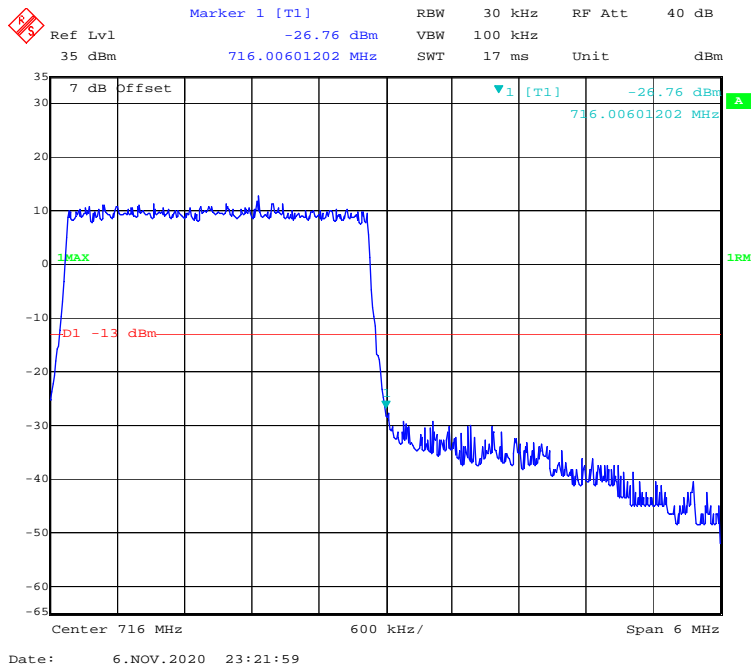
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



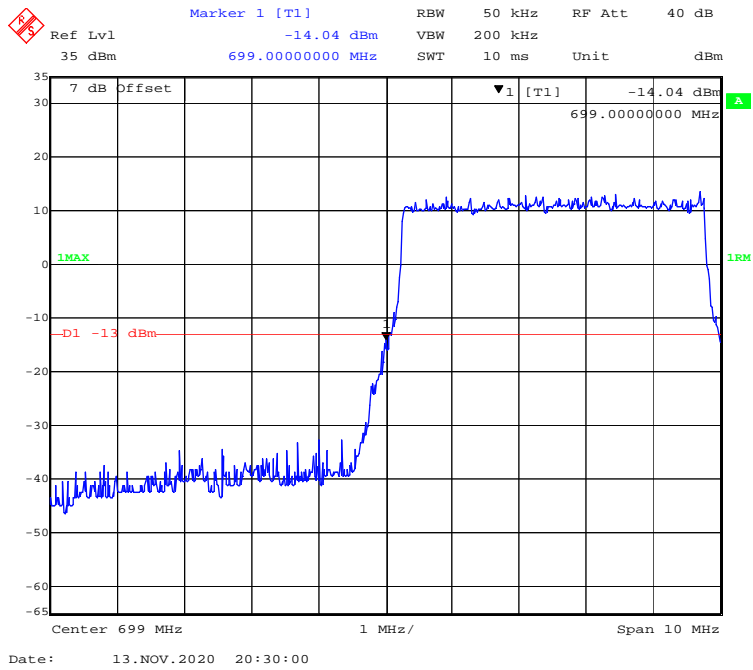
16-QAM (3.0 MHz, FULL RB) - Left Band Edge



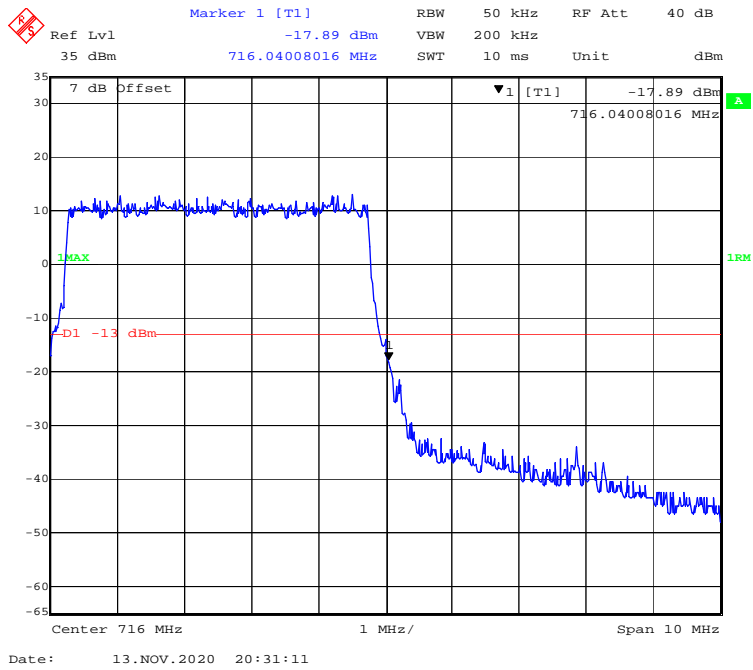
16-QAM (3.0 MHz, FULL RB) - Right Band Edge



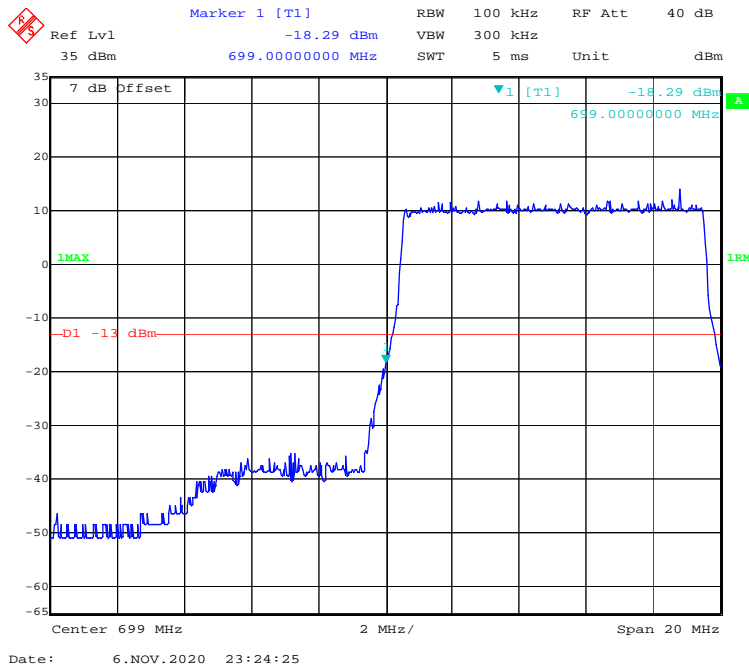
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



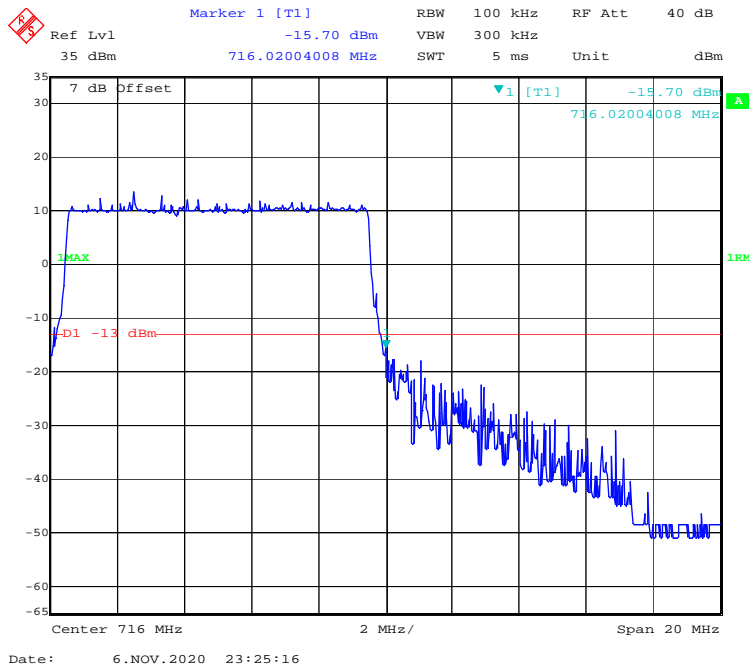
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



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

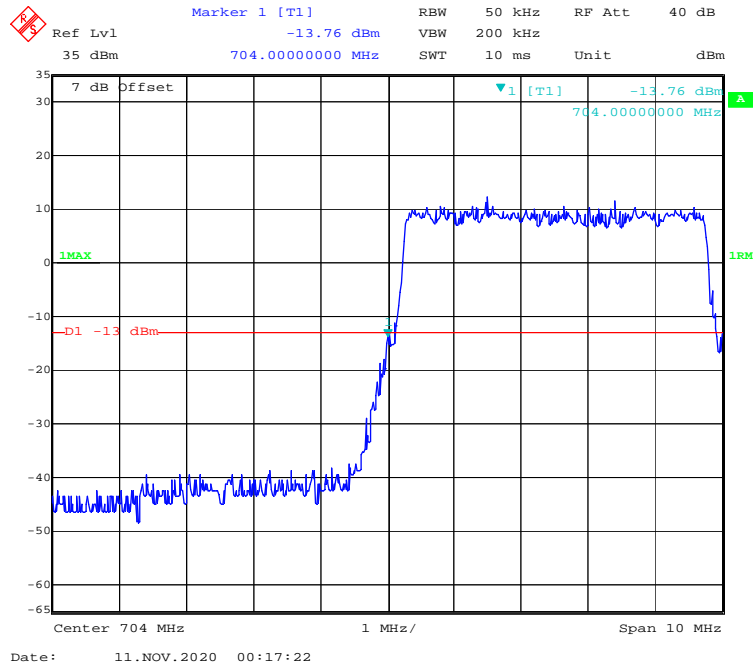


16-QAM (10.0 MHz, FULL RB) - Right Band Edge

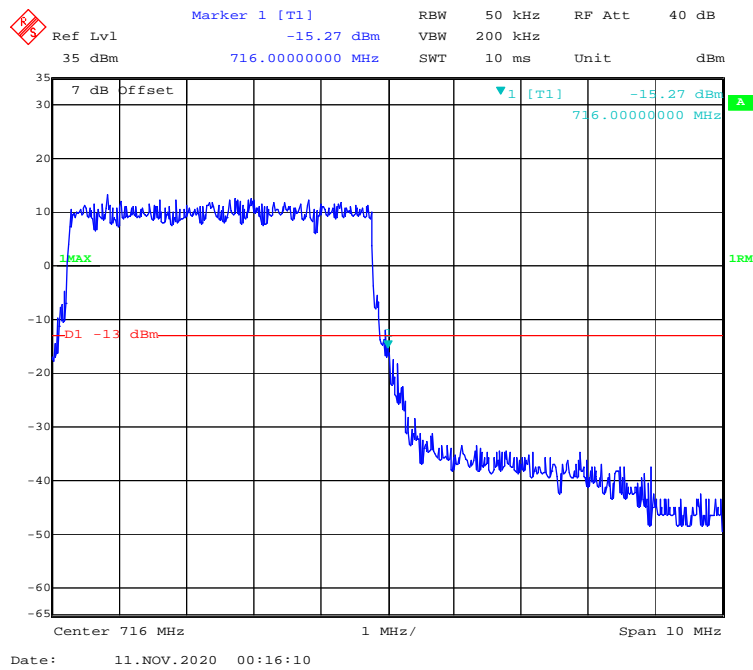


LTE Band 17:

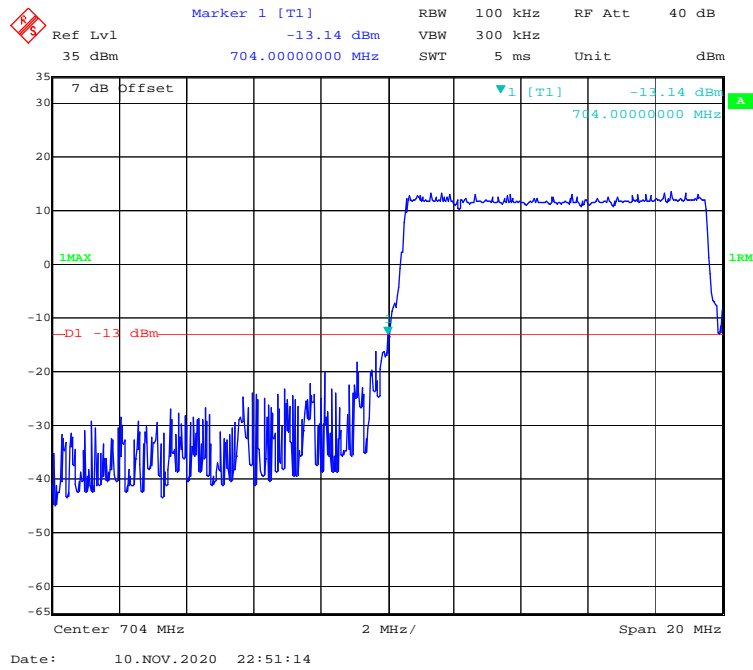
QPSK (5.0 MHz, FULL RB) - Left Band Edge



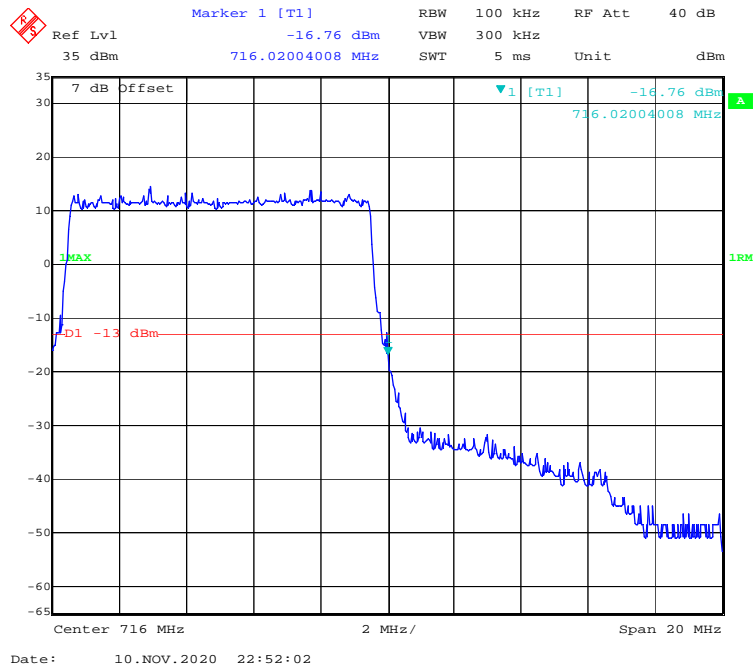
QPSK (5.0 MHz, FULL RB) - Right Band Edge



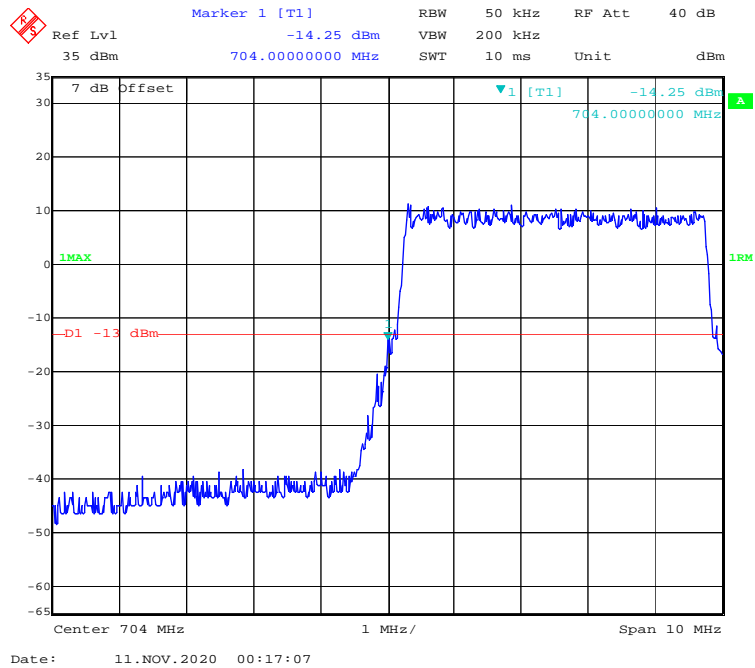
QPSK (10.0 MHz, FULL RB) - Left Band Edge



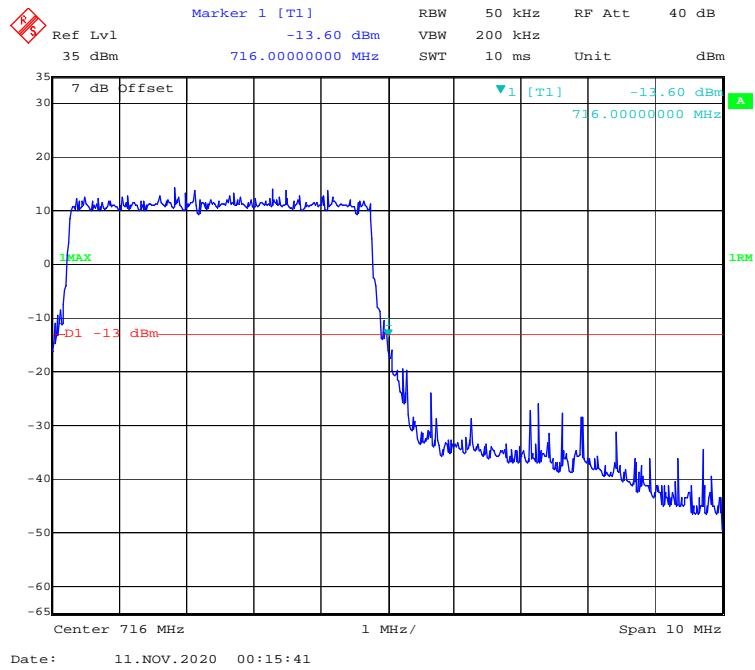
QPSK (10.0 MHz, FULL RB) - Right Band Edge



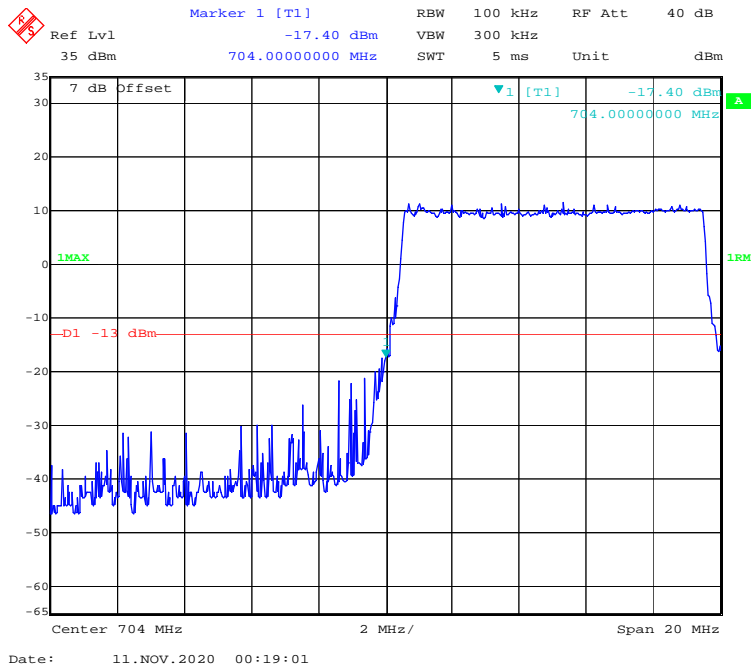
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



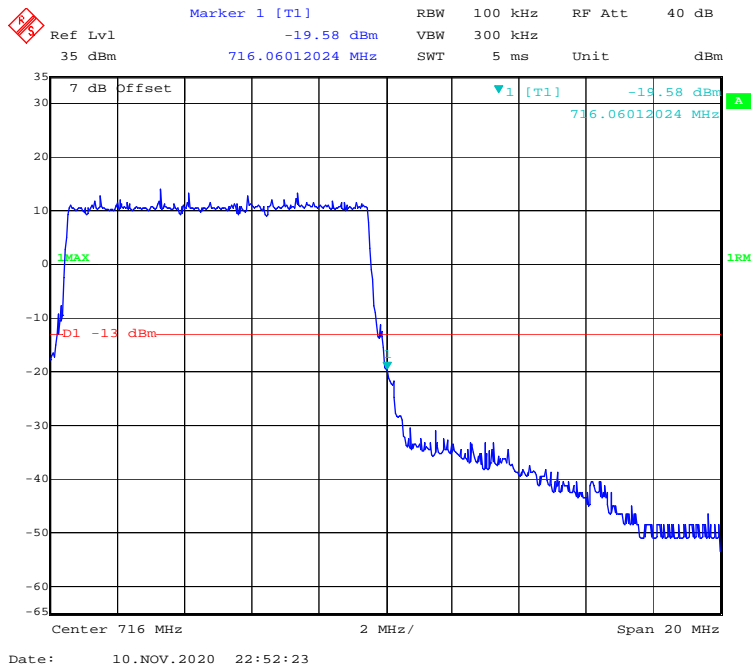
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



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

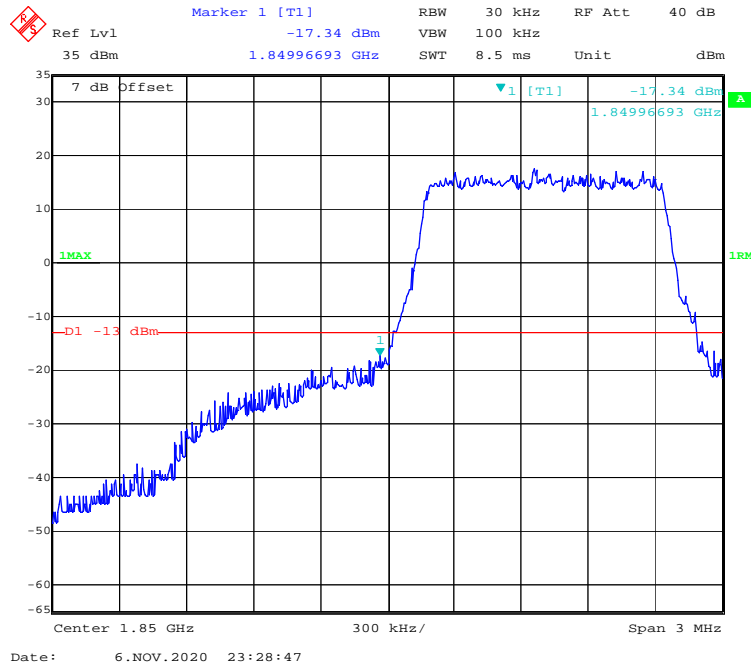


16-QAM (10.0 MHz, FULL RB) - Right Band Edge

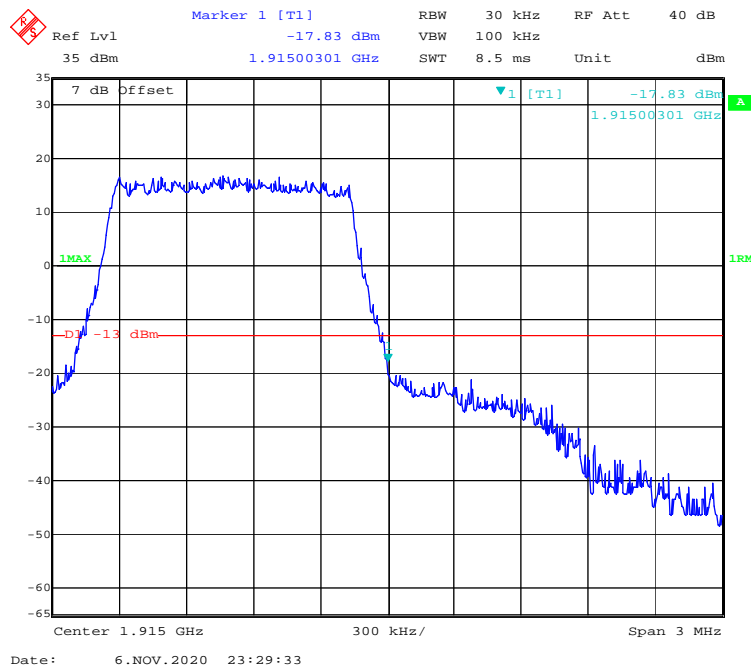


LTE Band 25:

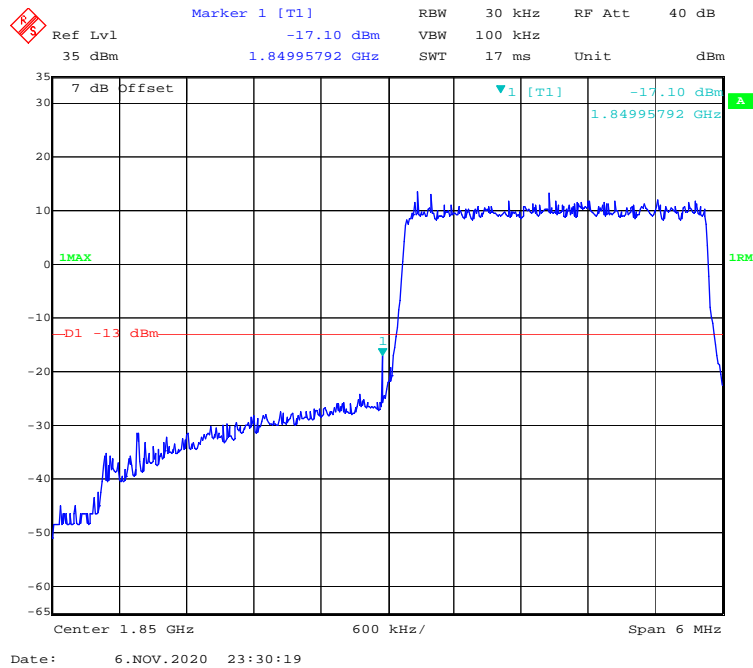
QPSK (1.4 MHz, FULL RB) - Left Band Edge



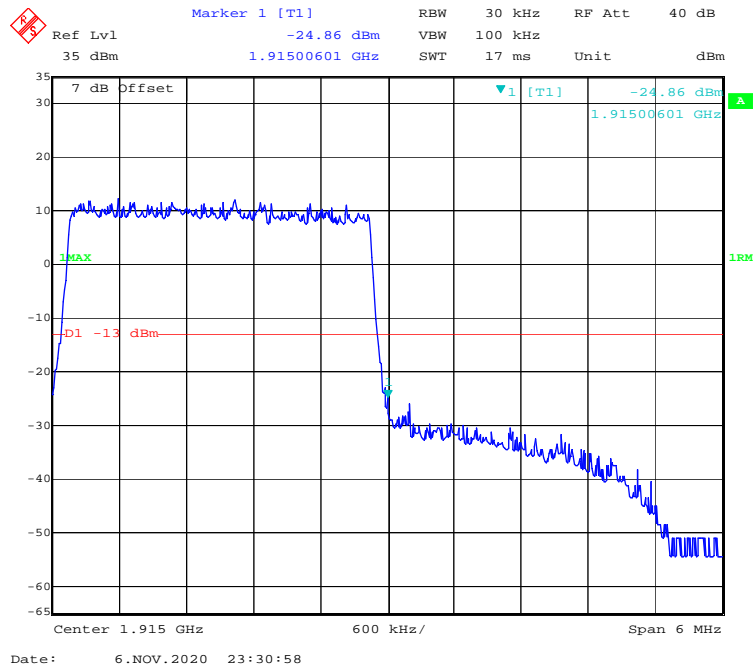
QPSK (1.4 MHz, FULL RB) - Right Band Edge



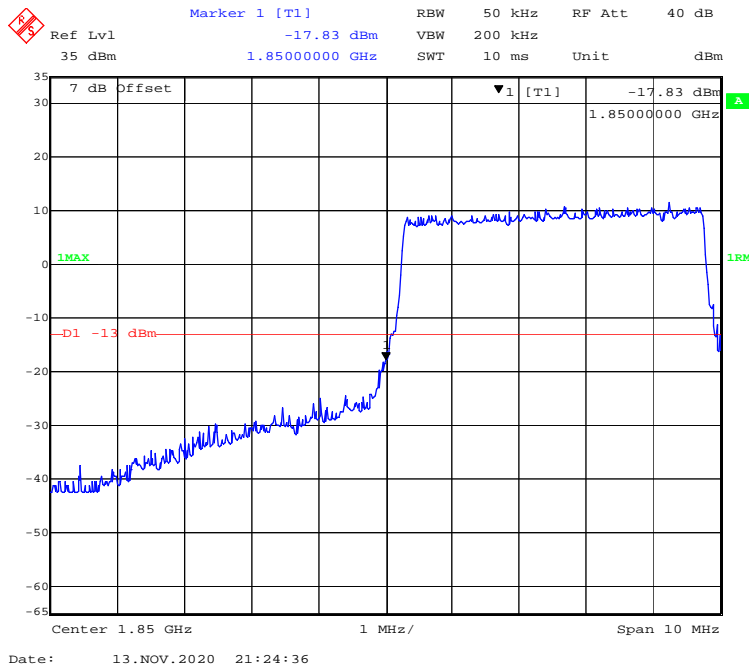
QPSK (3 MHz, FULL RB) - Left Band Edge



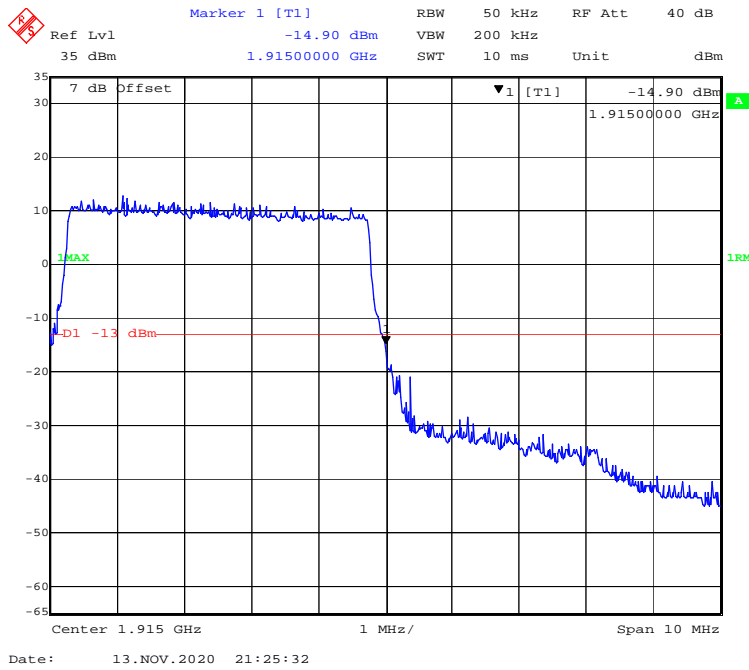
QPSK (3 MHz, FULL RB) - Right Band Edge



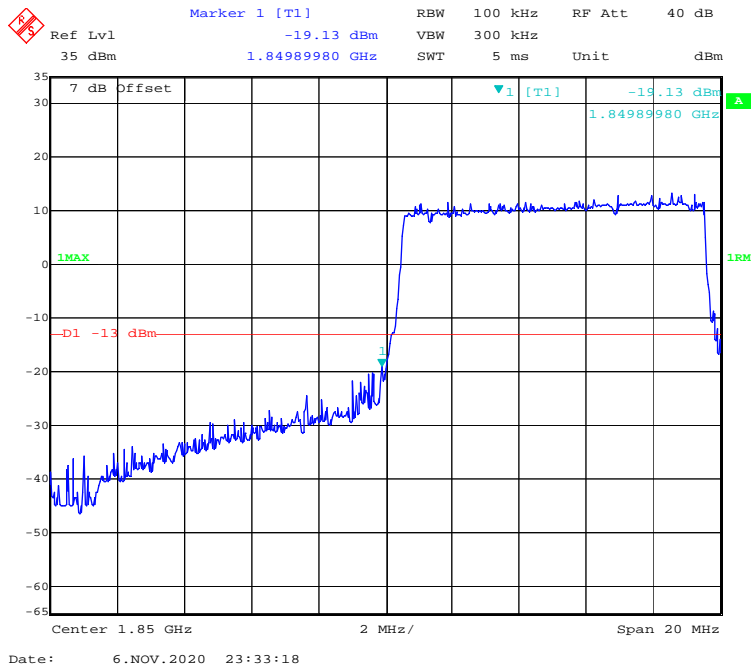
QPSK (5 MHz, FULL RB) - Left Band Edge



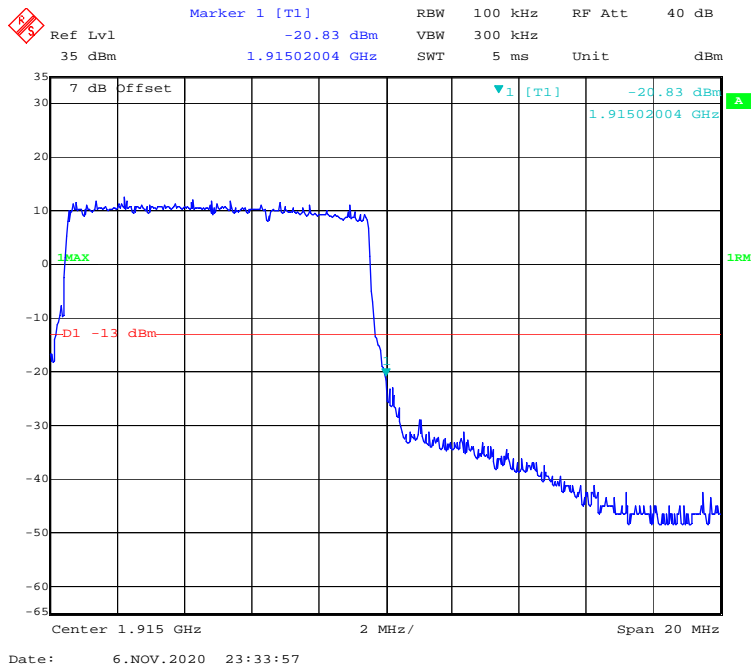
QPSK (5 MHz, FULL RB) - Right Band Edge



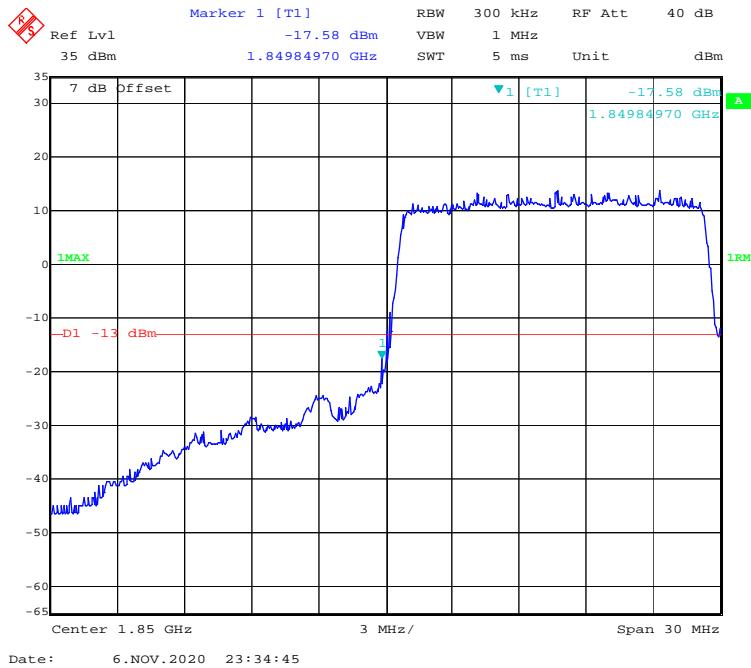
QPSK (10 MHz, FULL RB) - Left Band Edge



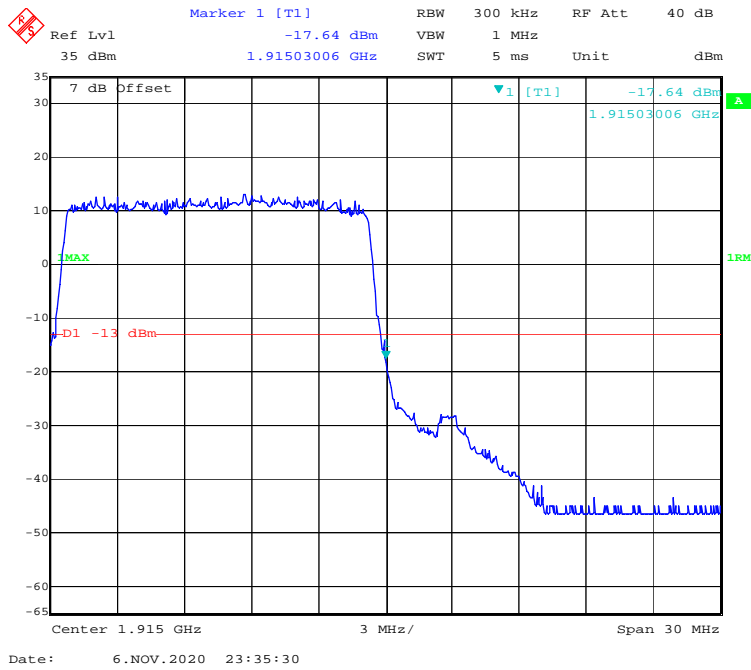
QPSK (10 MHz, FULL RB) - Right Band Edge



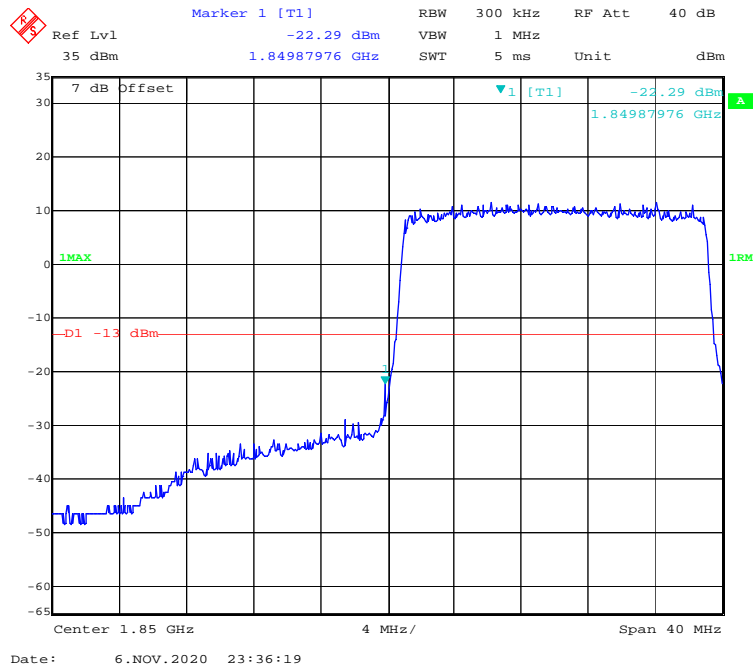
QPSK (15 MHz, FULL RB) - Left Band Edge



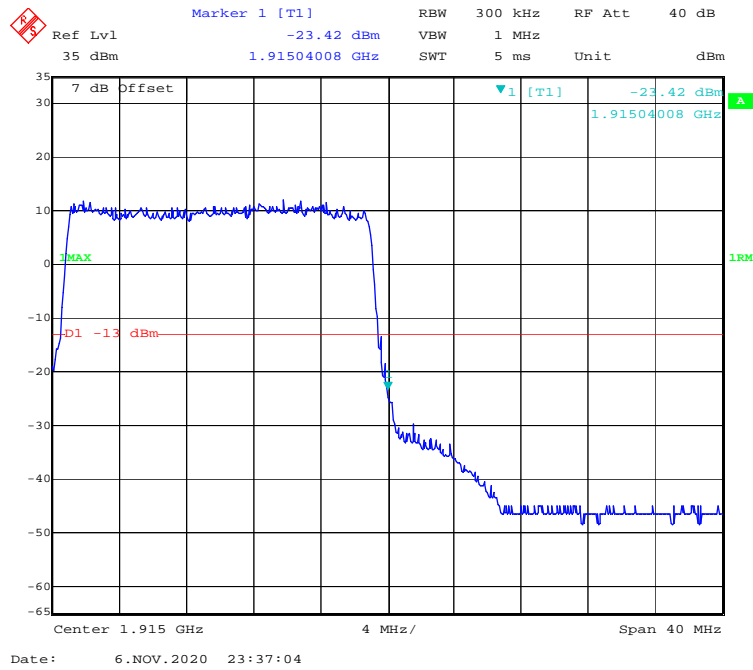
QPSK (15 MHz, FULL RB) - Right Band Edge



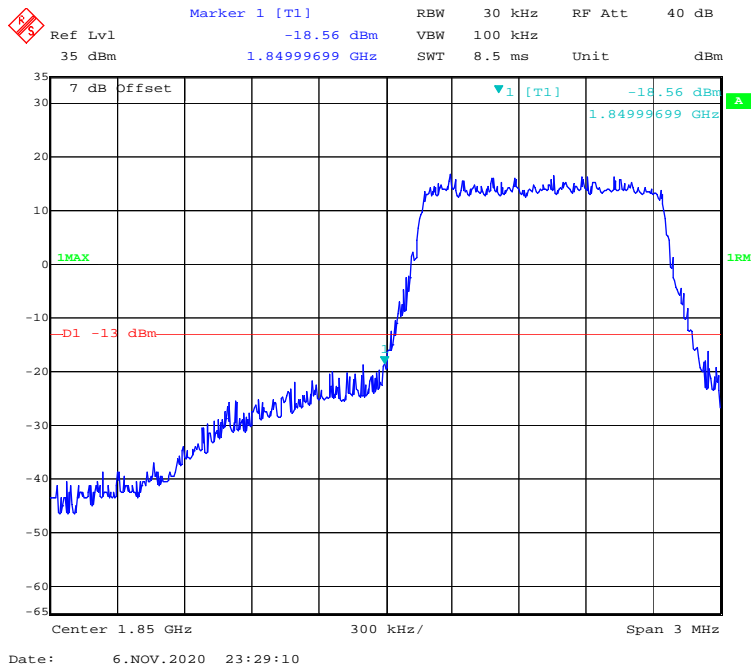
QPSK (20 MHz, FULL RB) - Left Band Edge



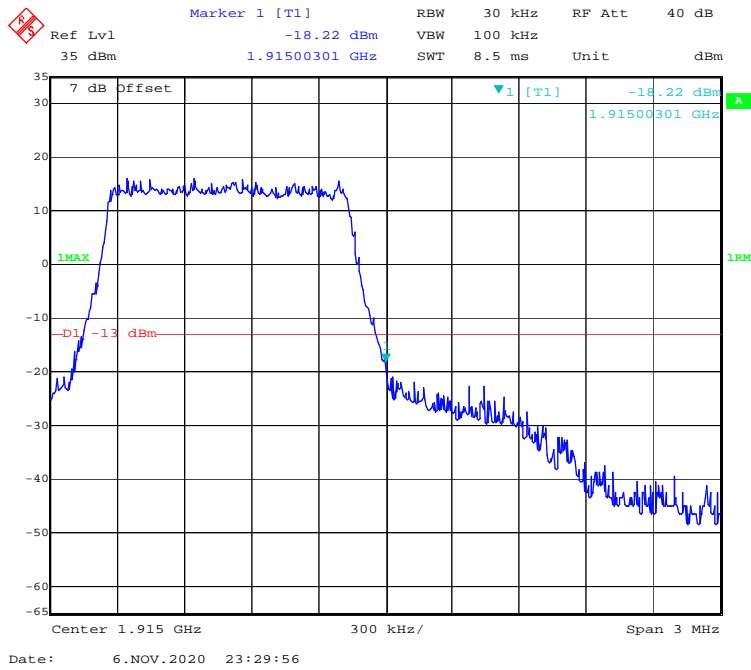
QPSK (20 MHz, FULL RB) - Right Band Edge



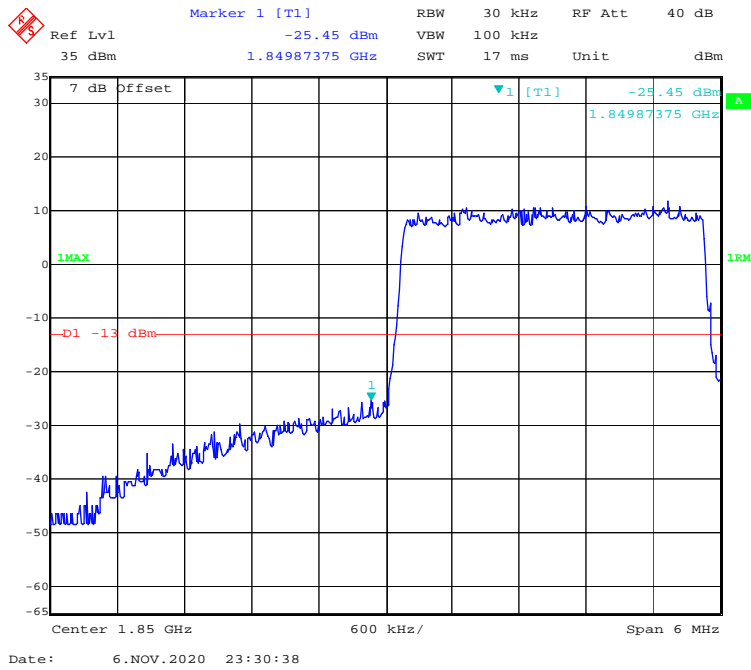
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



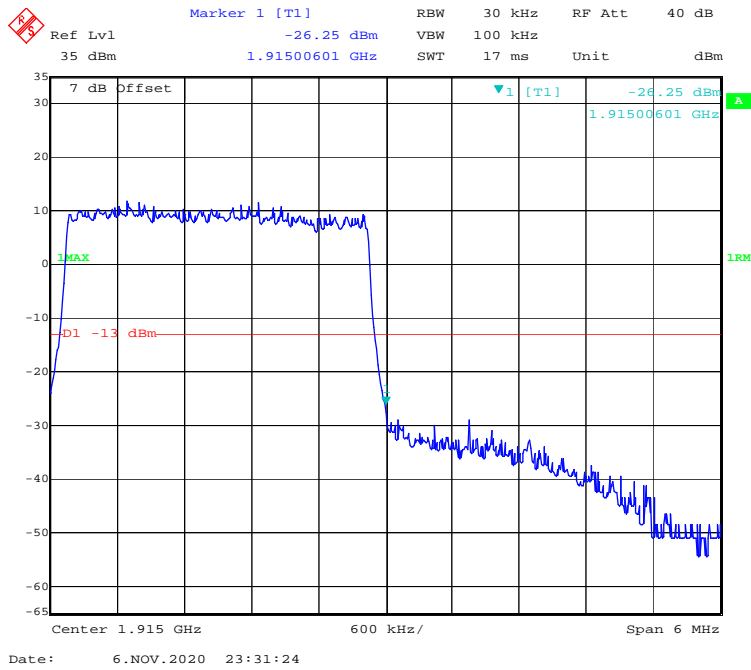
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



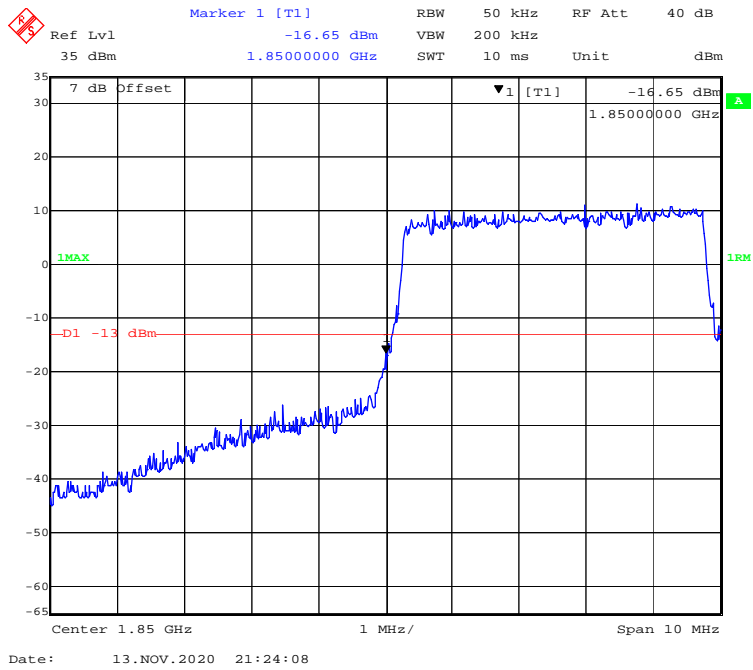
16-QAM (3 MHz, FULL RB) - Left Band Edge



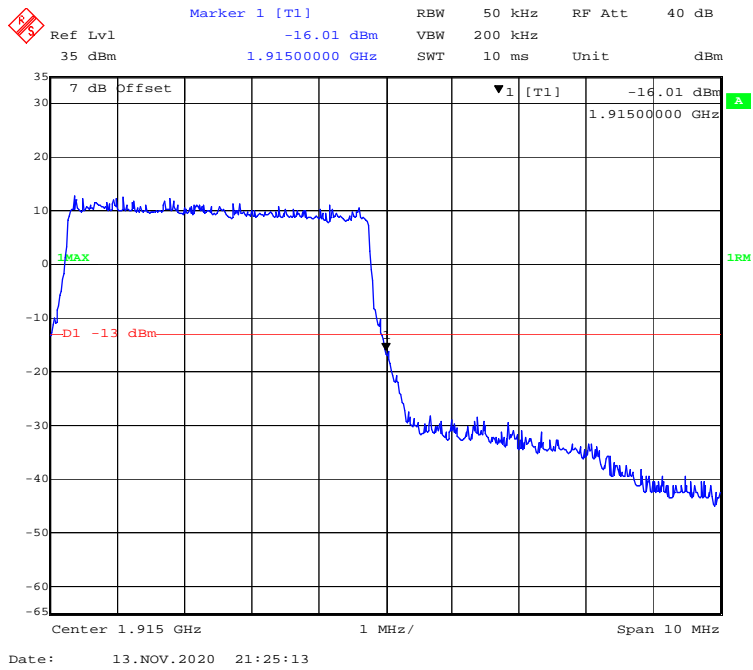
16-QAM (3 MHz, FULL RB) - Right Band Edge



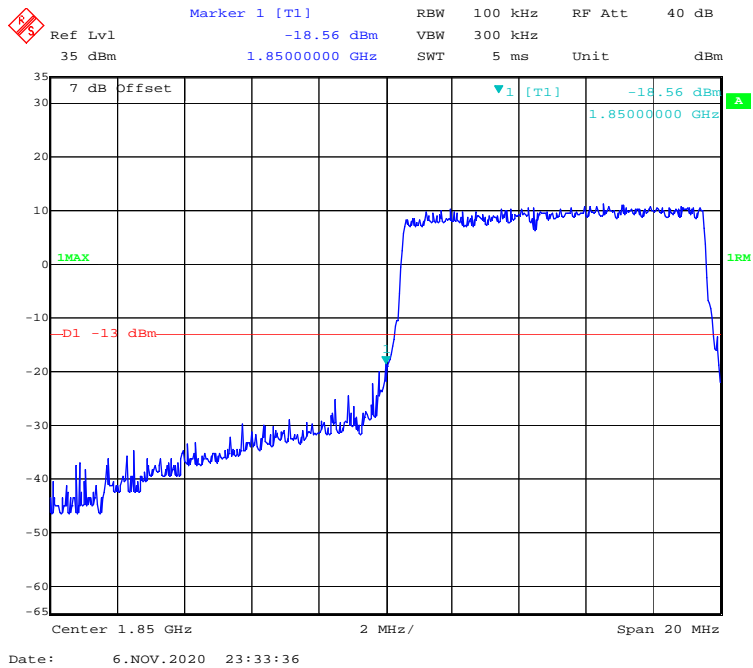
16-QAM (5 MHz, FULL RB) - Left Band Edge



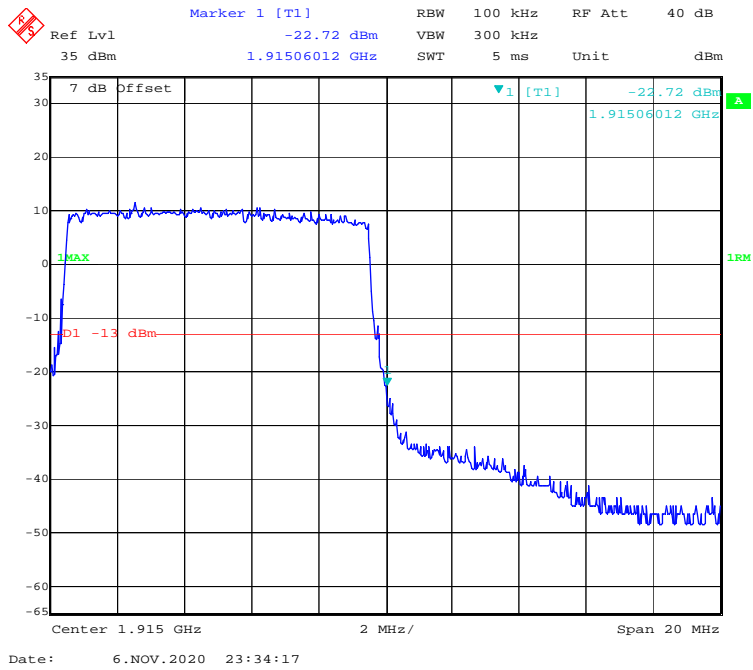
16-QAM (5 MHz, FULL RB) - Right Band Edge



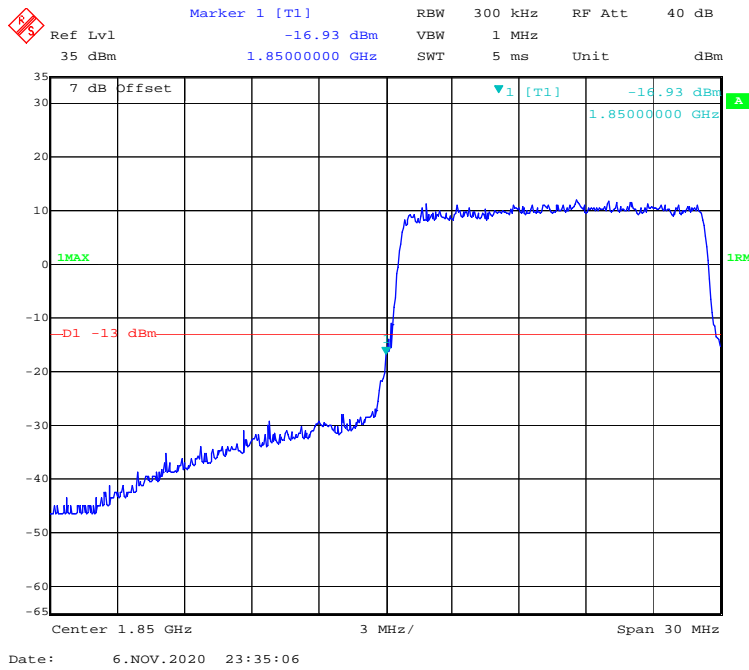
16-QAM (10 MHz, FULL RB) - Left Band Edge



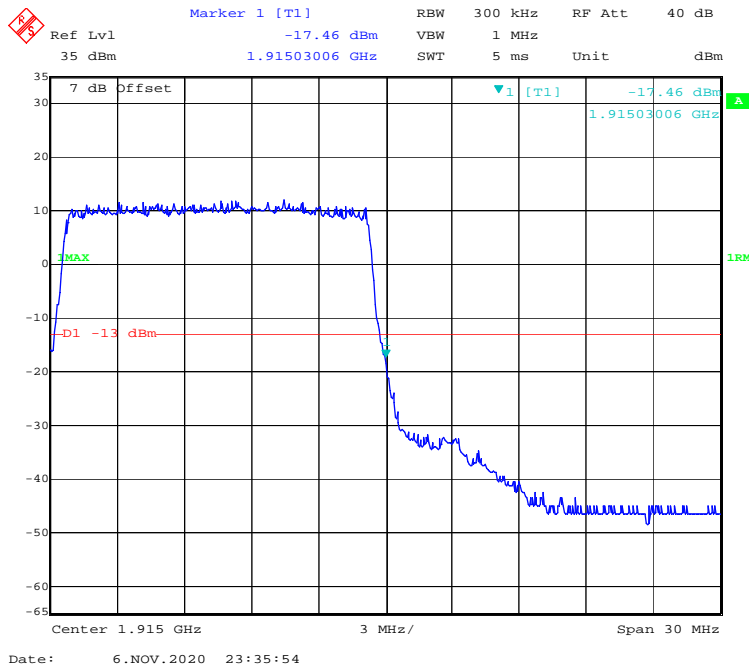
16-QAM (10 MHz, FULL RB) - Right Band Edge



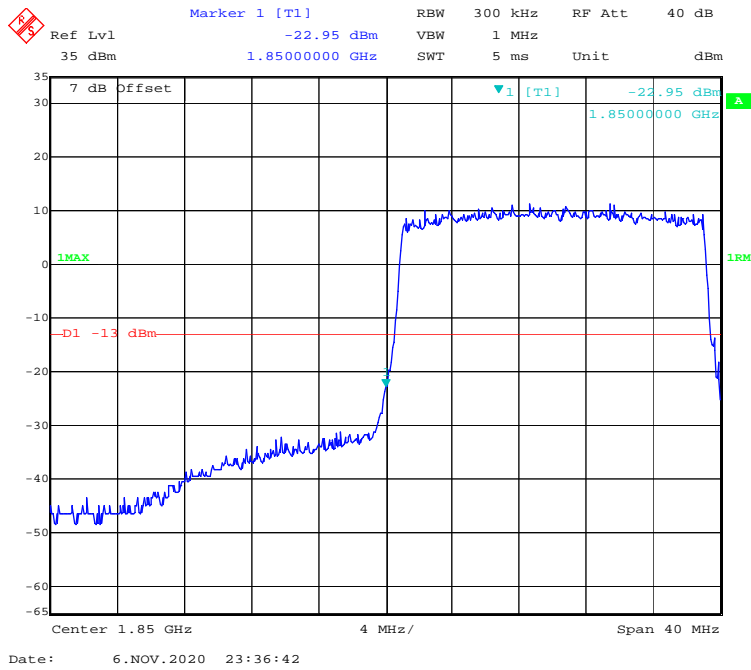
16-QAM (15 MHz, FULL RB) - Left Band Edge



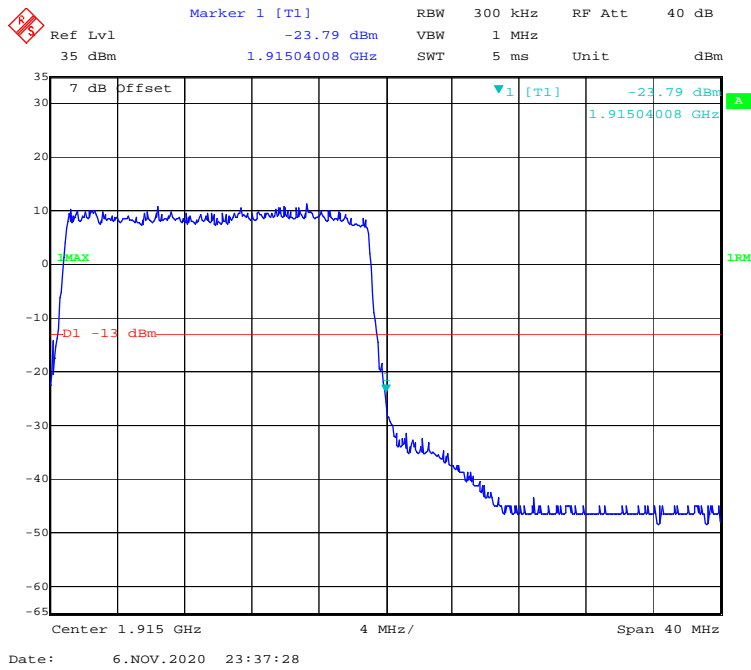
16-QAM (15 MHz, FULL RB) - Right Band Edge



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

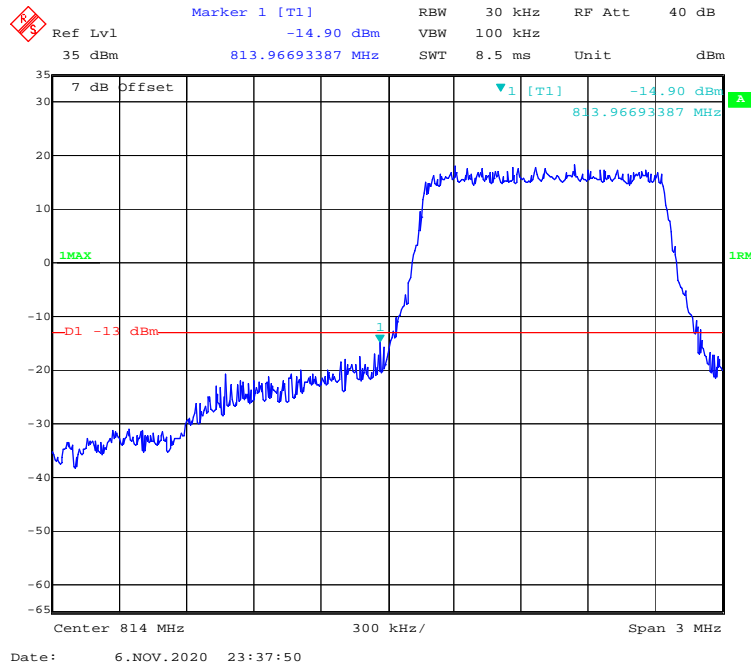


16-QAM (20 MHz, FULL RB) - Right Band Edge

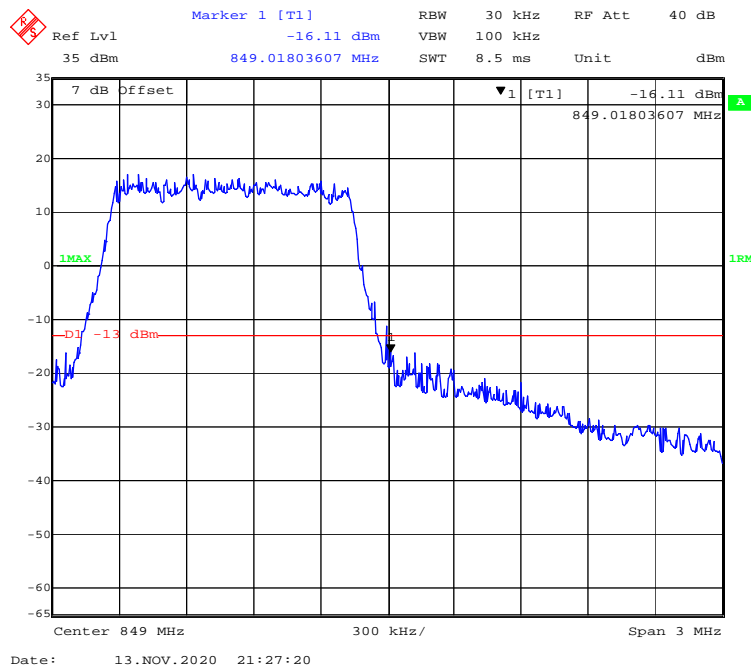


LTE Band 26:

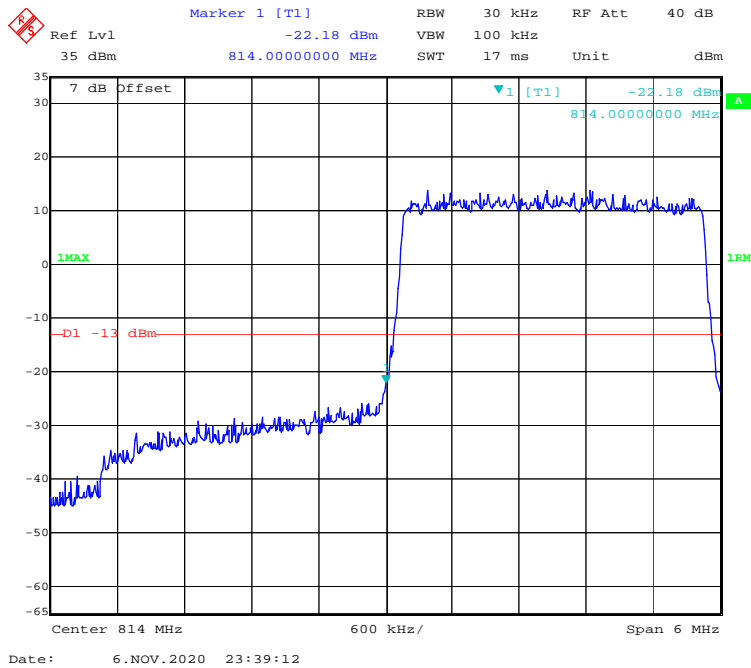
QPSK (1.4 MHz, FULL RB) - Left Band Edge



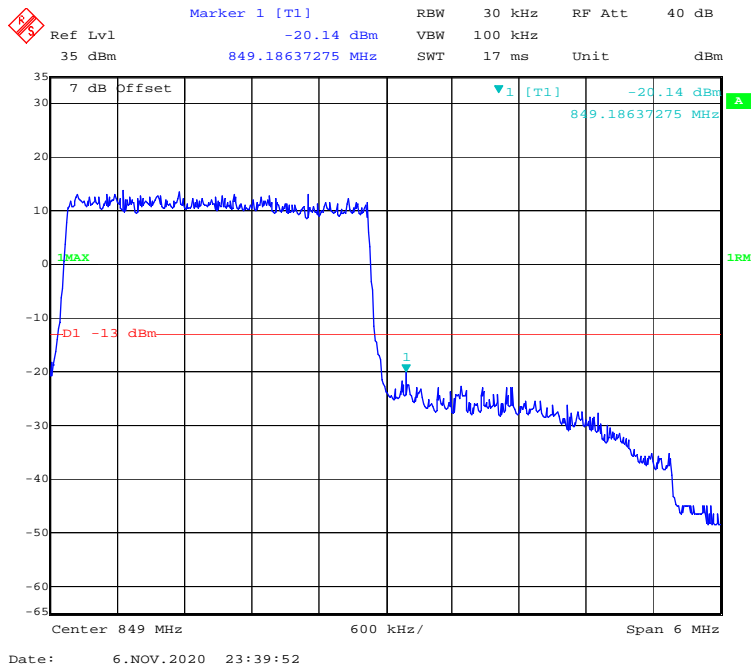
QPSK (1.4 MHz, FULL RB) - Right Band Edge



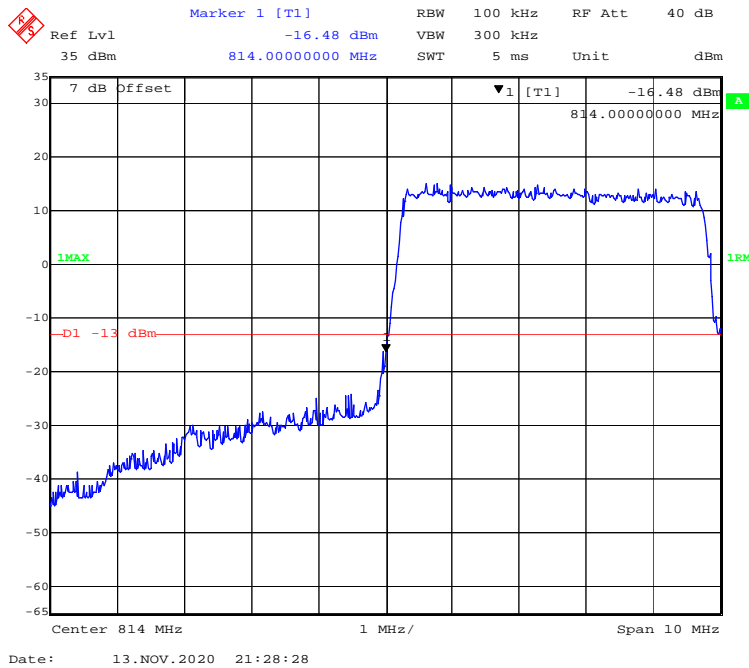
QPSK (3 MHz, FULL RB) - Left Band Edge



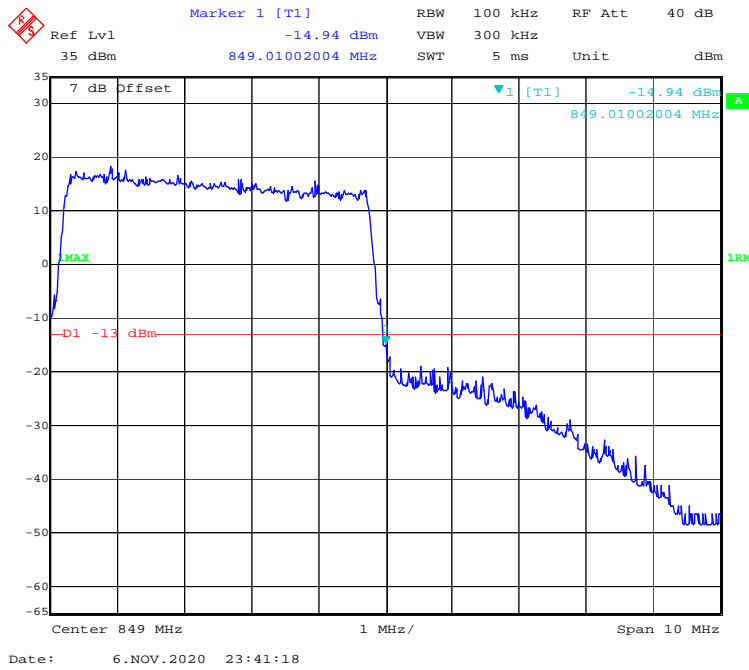
QPSK (3 MHz, FULL RB) - Right Band Edge



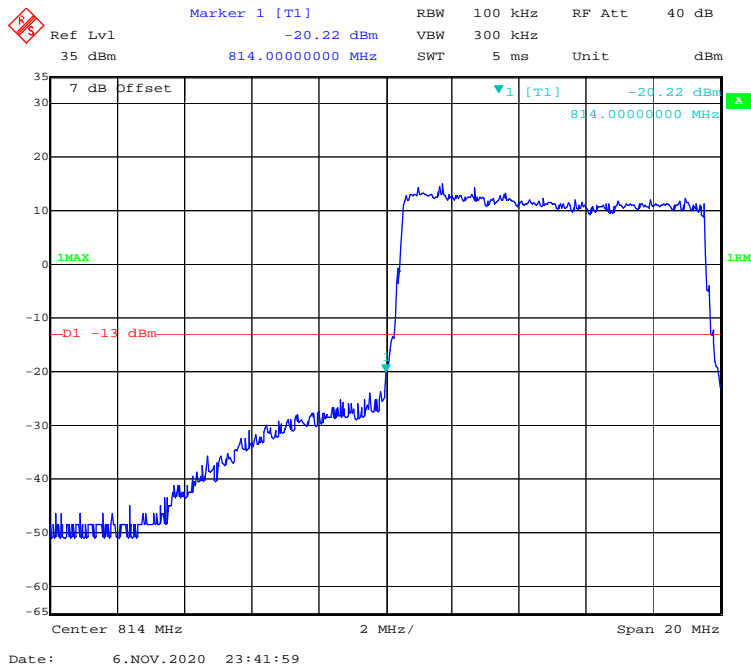
QPSK (5 MHz, FULL RB) - Left Band Edge



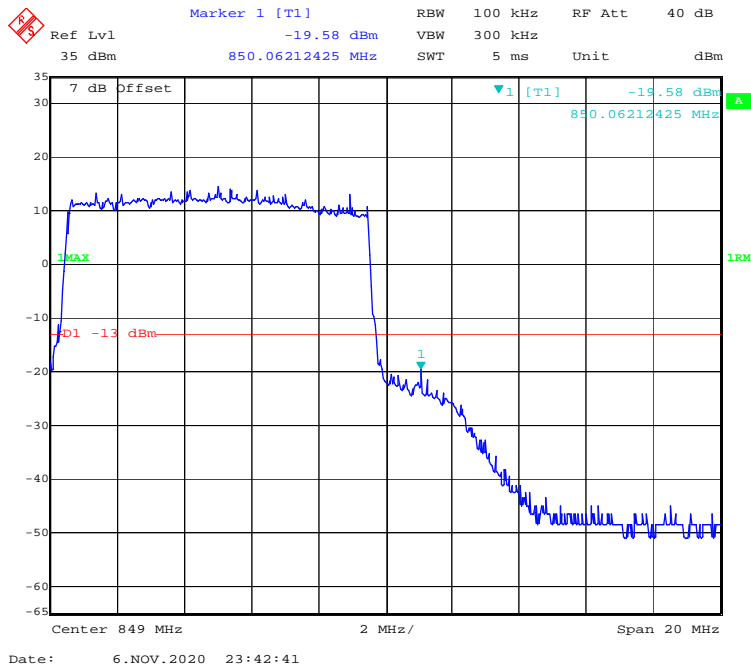
QPSK (5 MHz, FULL RB) - Right Band Edge



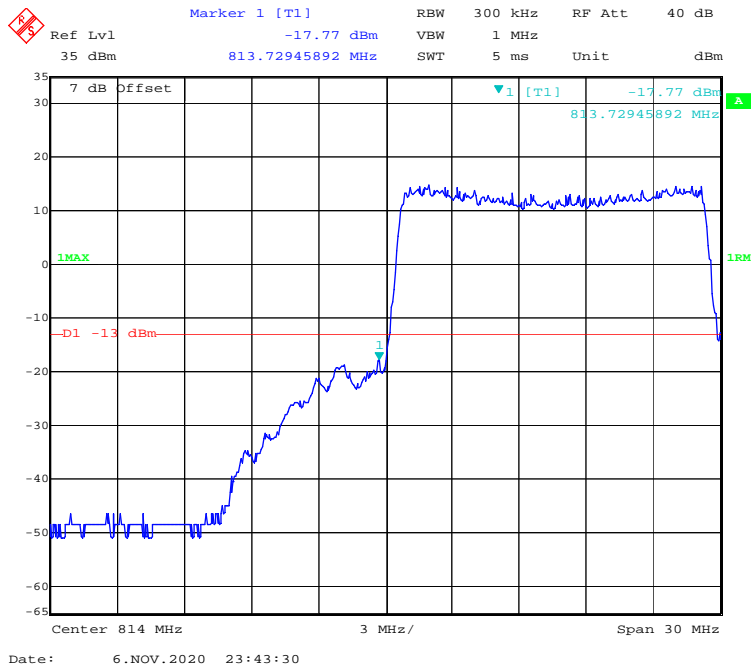
QPSK (10 MHz, FULL RB) - Left Band Edge



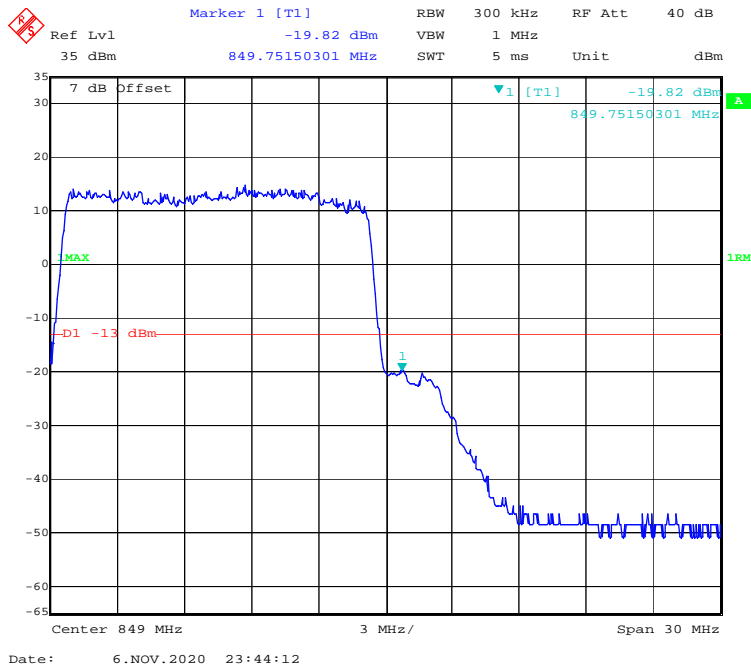
QPSK (10 MHz, FULL RB) - Right Band Edge



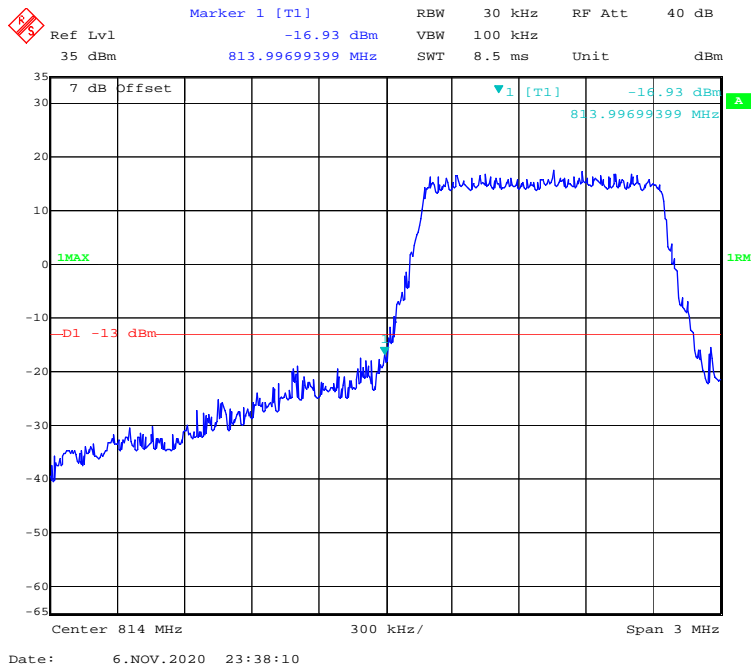
QPSK (15 MHz, FULL RB) - Left Band Edge



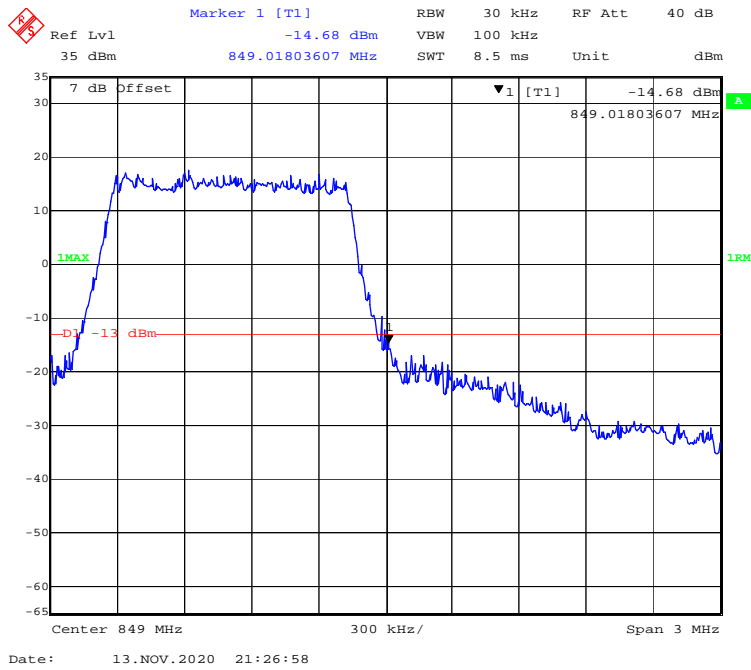
QPSK (15 MHz, FULL RB) - Right Band Edge



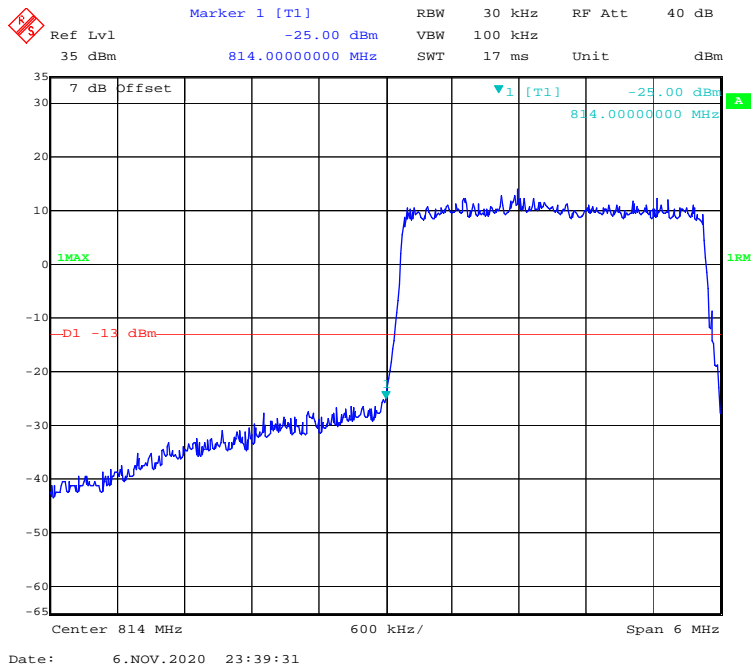
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



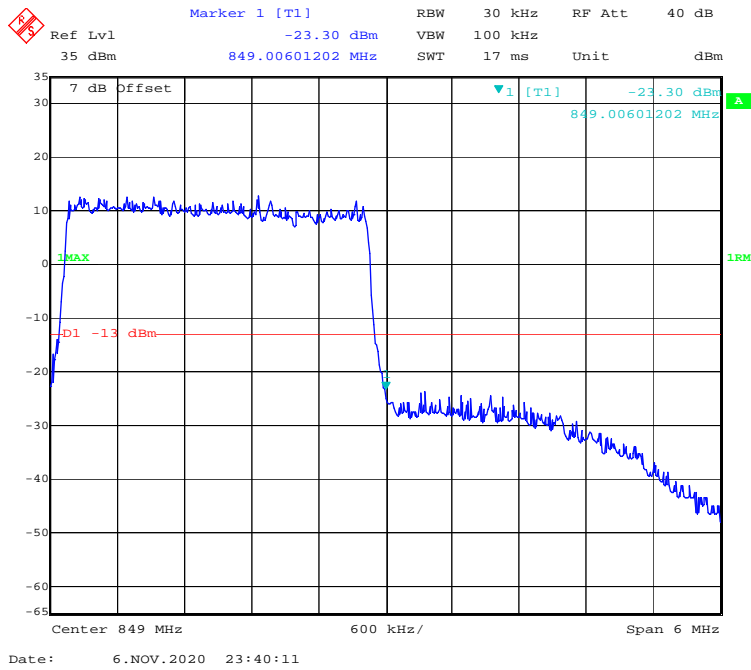
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



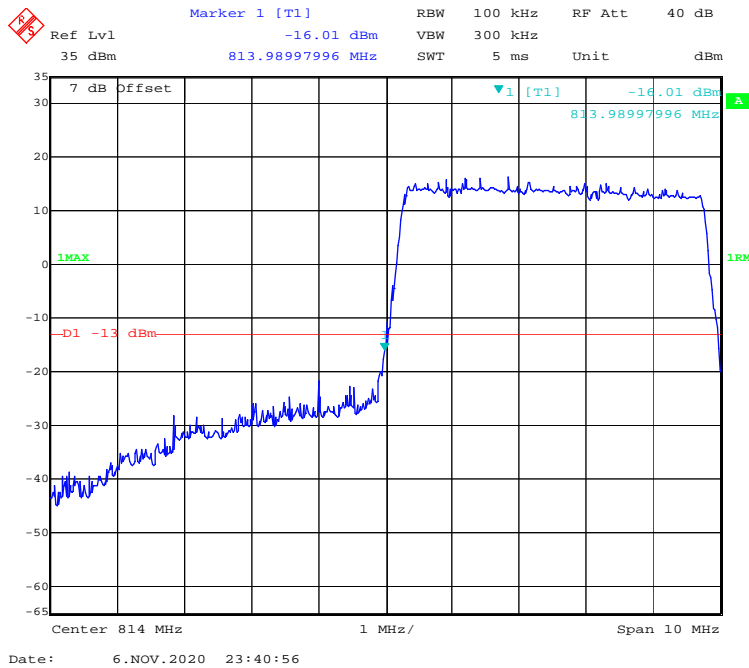
16-QAM (3 MHz, FULL RB) - Left Band Edge



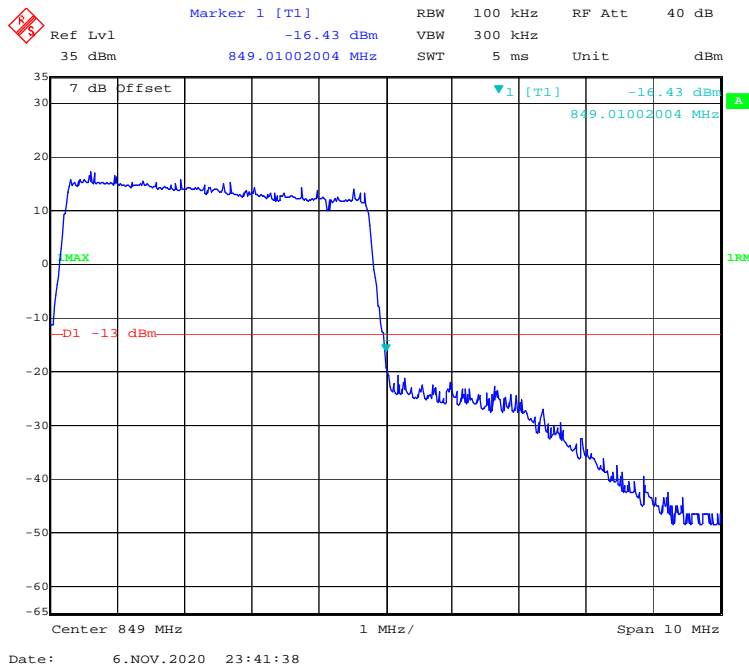
16-QAM (3 MHz, FULL RB) - Right Band Edge



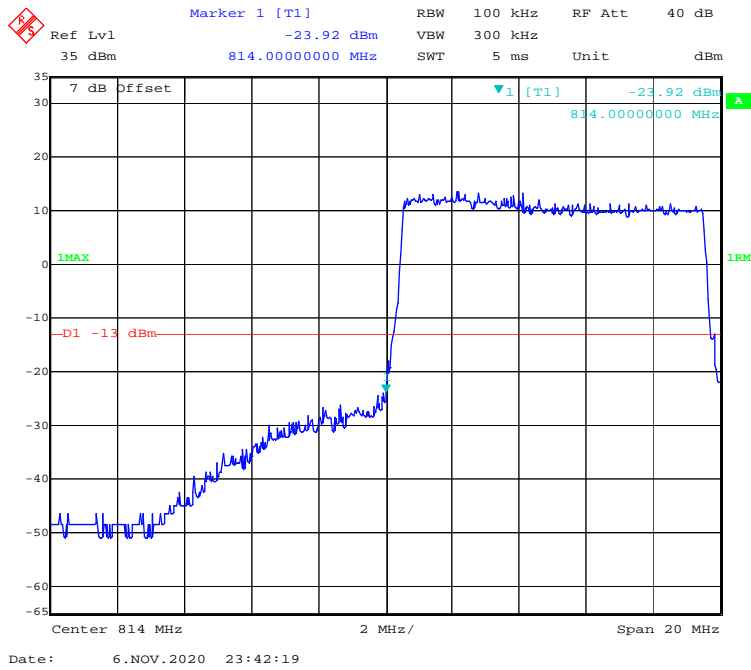
16-QAM (5 MHz, FULL RB) - Left Band Edge



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



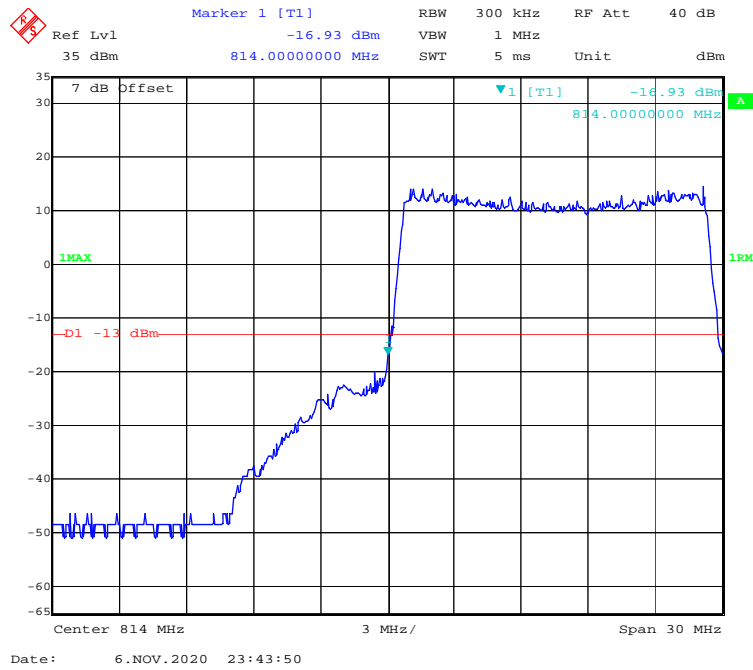
16-QAM (10 MHz, FULL RB) - Left Band Edge



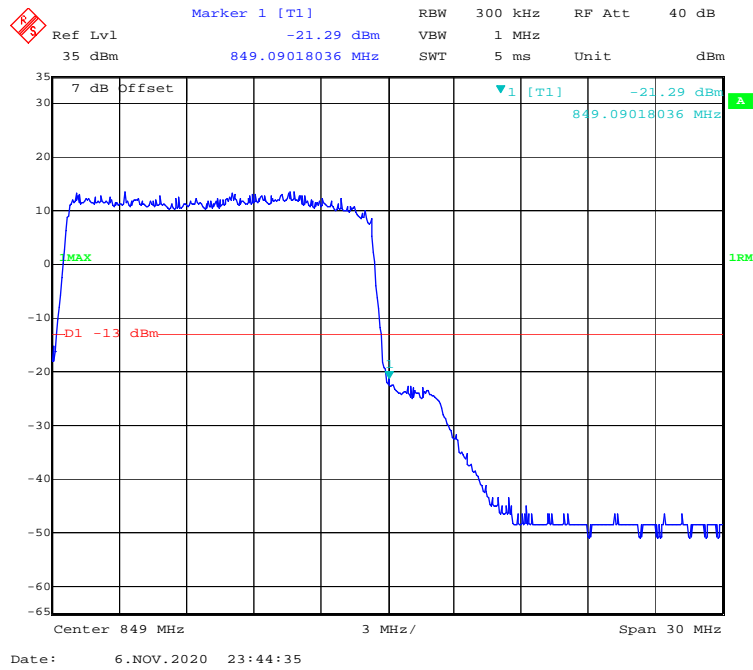
16-QAM (10 MHz, FULL RB) - Right Band Edge



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

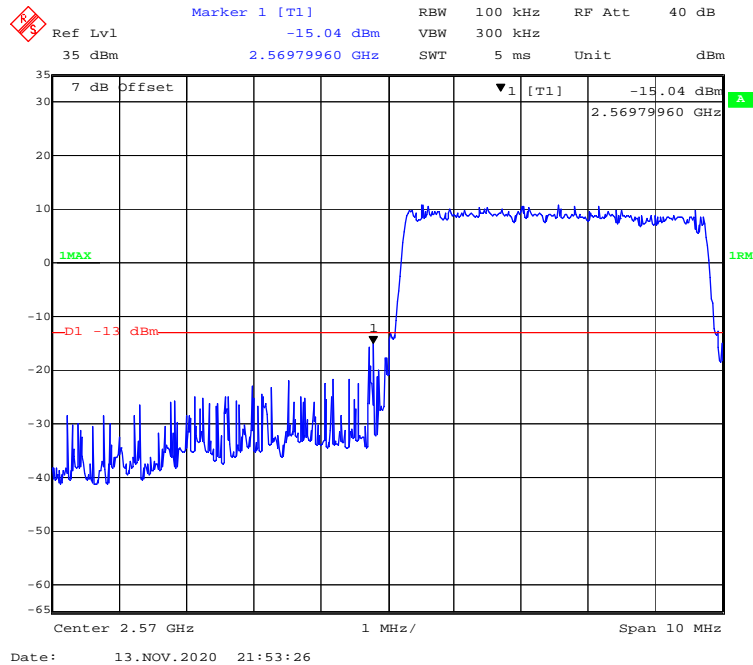


16-QAM (15 MHz, FULL RB) - Right Band Edge

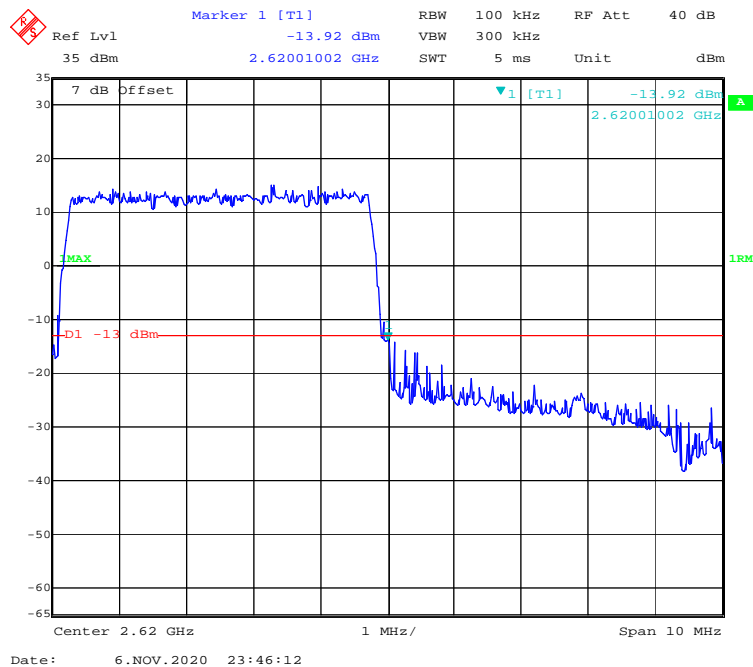


LTE Band 38:

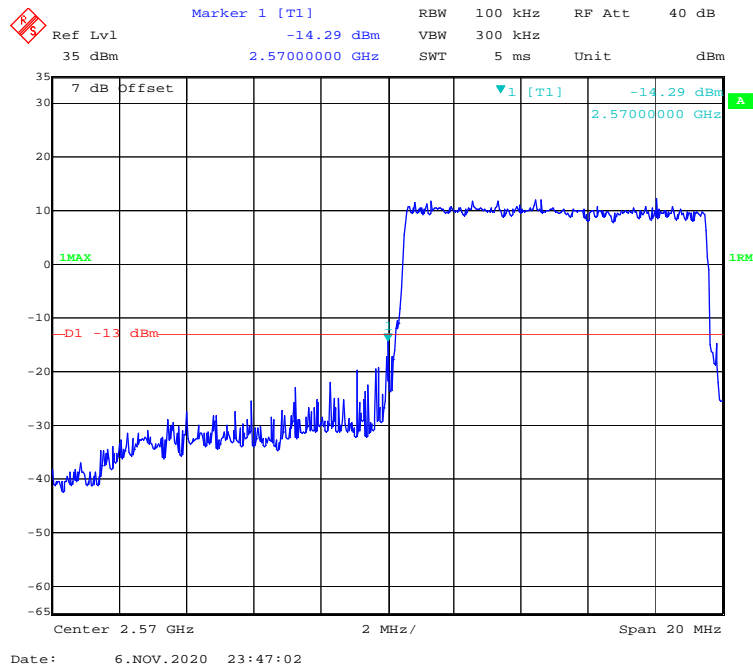
QPSK (5.0 MHz, FULL RB) - Left Band Edge



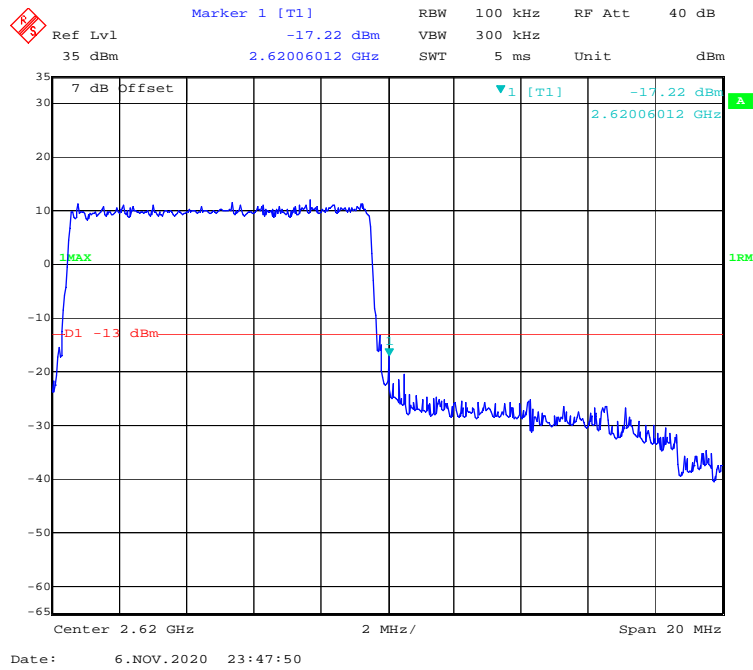
QPSK (5.0 MHz, FULL RB) - Right Band Edge



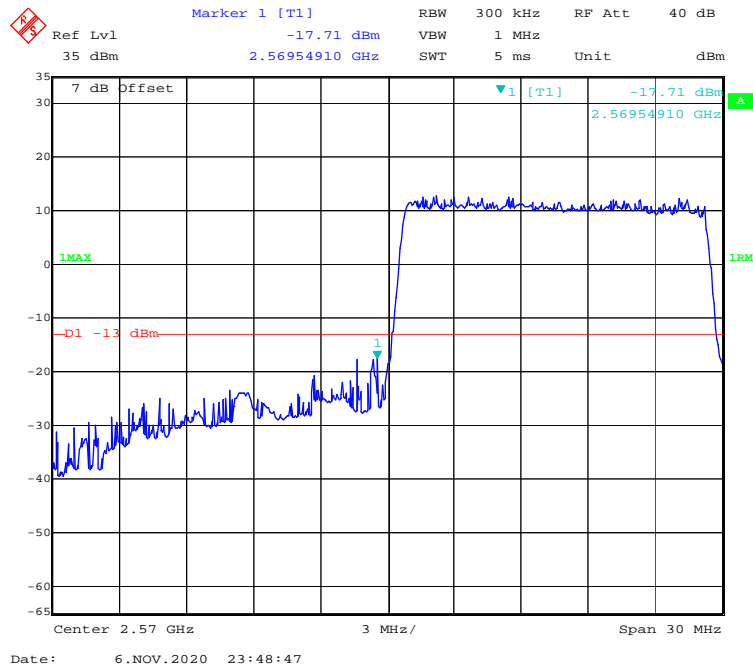
QPSK (10.0 MHz, FULL RB) - Left Band Edge



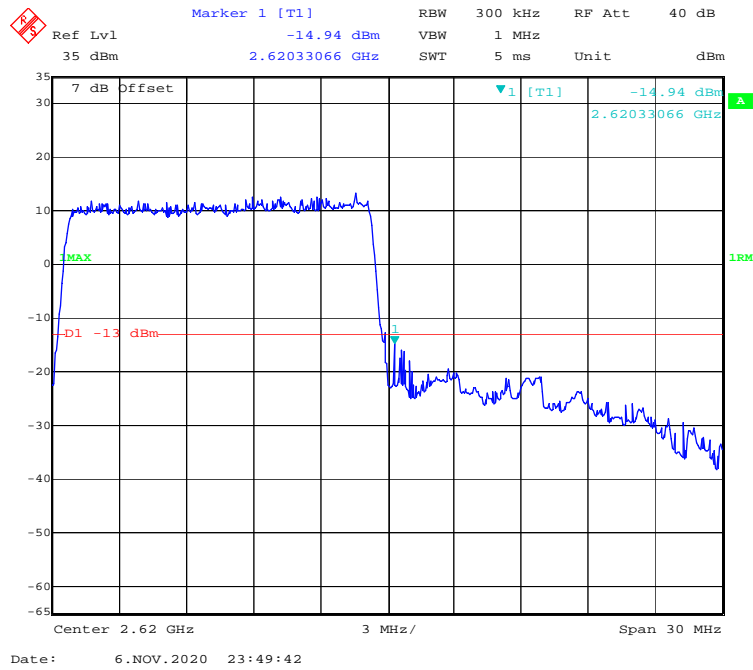
QPSK (10.0 MHz, FULL RB) - Right Band Edge



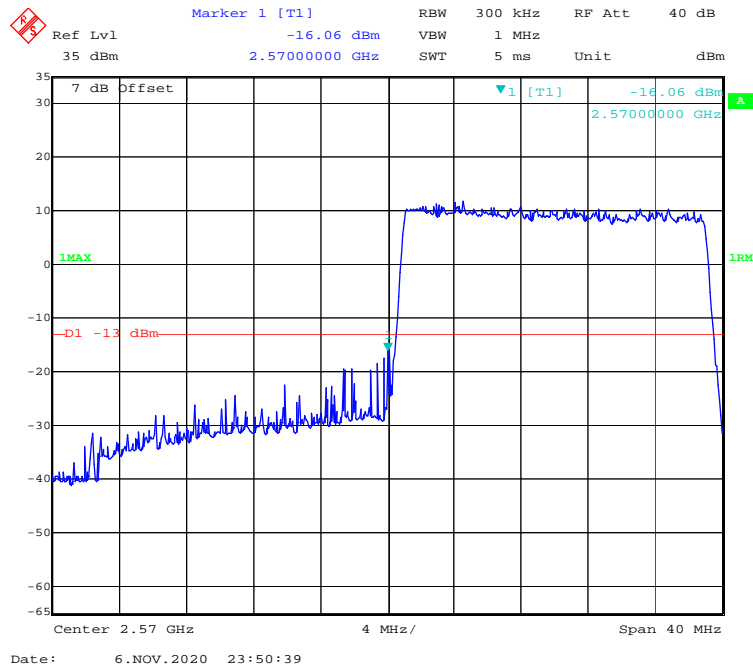
QPSK (15.0 MHz, FULL RB) - Left Band Edge



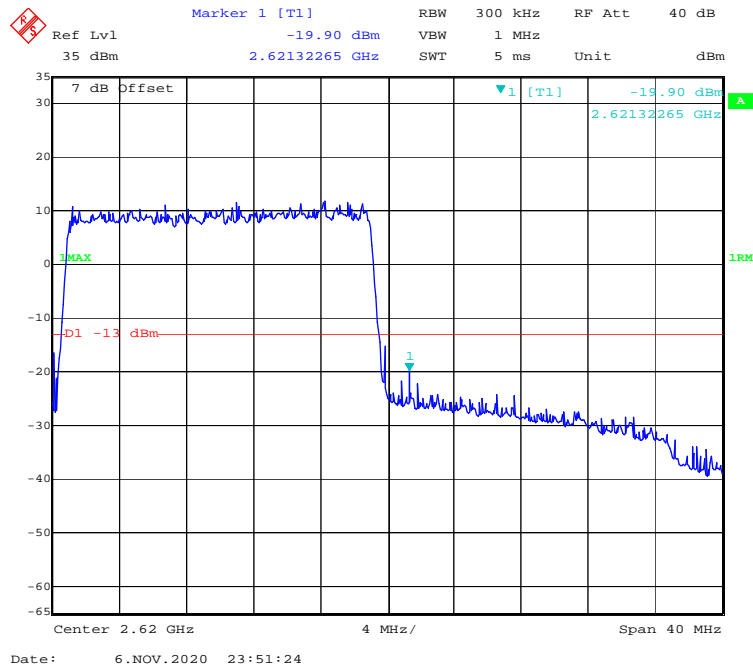
QPSK (15.0 MHz, FULL RB) - Right Band Edge



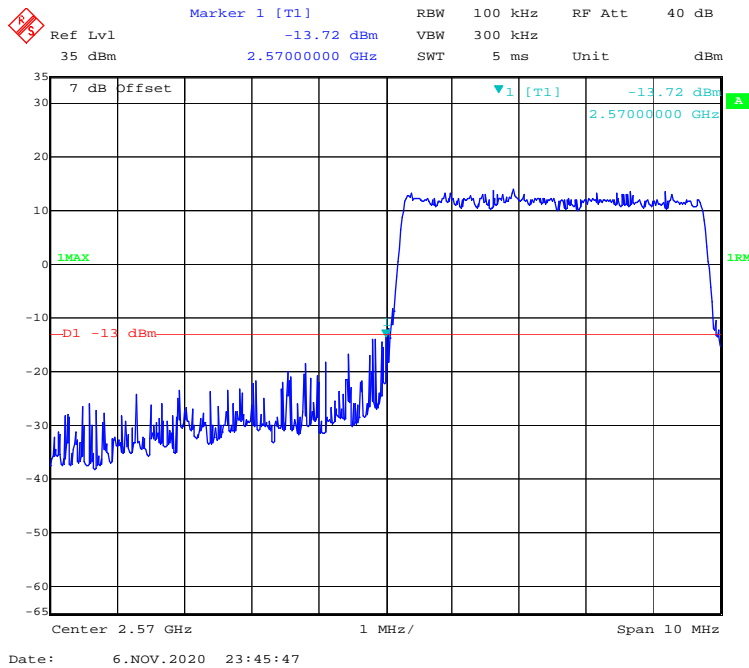
QPSK (20.0 MHz, FULL RB) - Left Band Edge



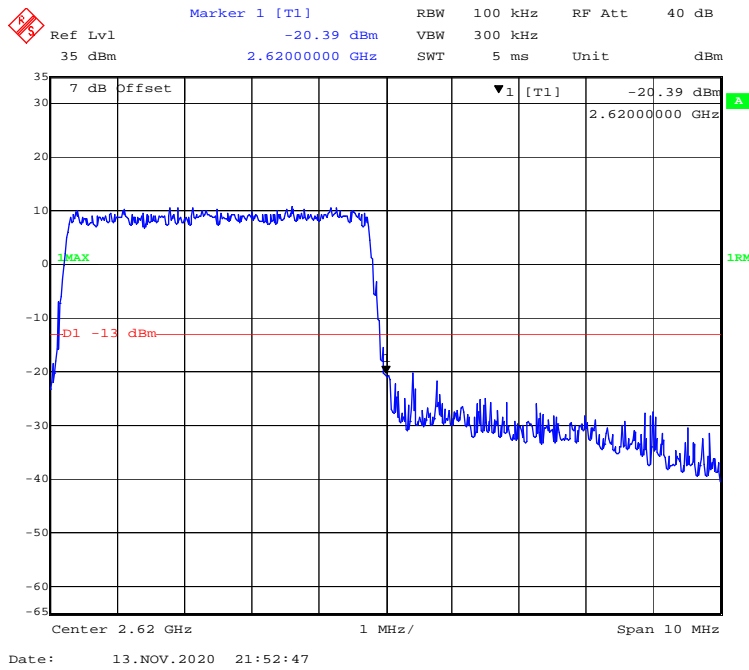
QPSK (20.0 MHz, FULL RB) - Right Band Edge



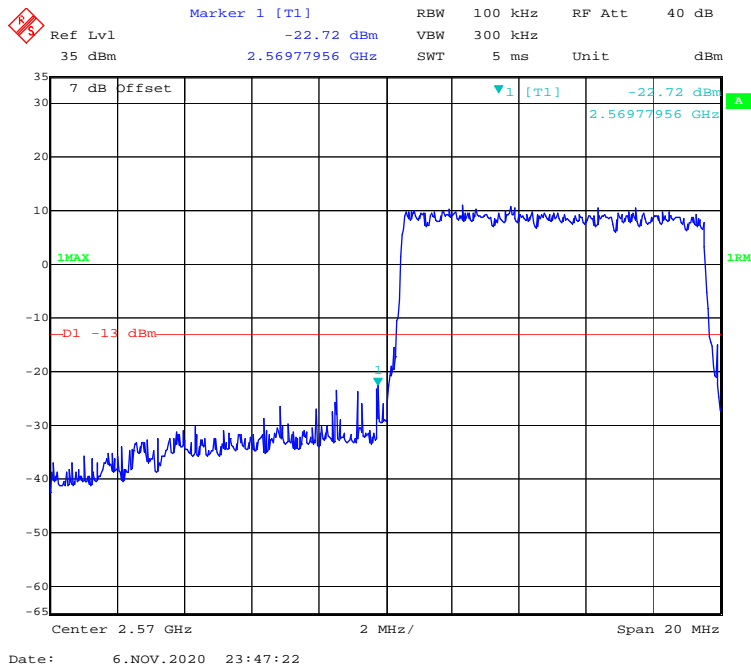
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



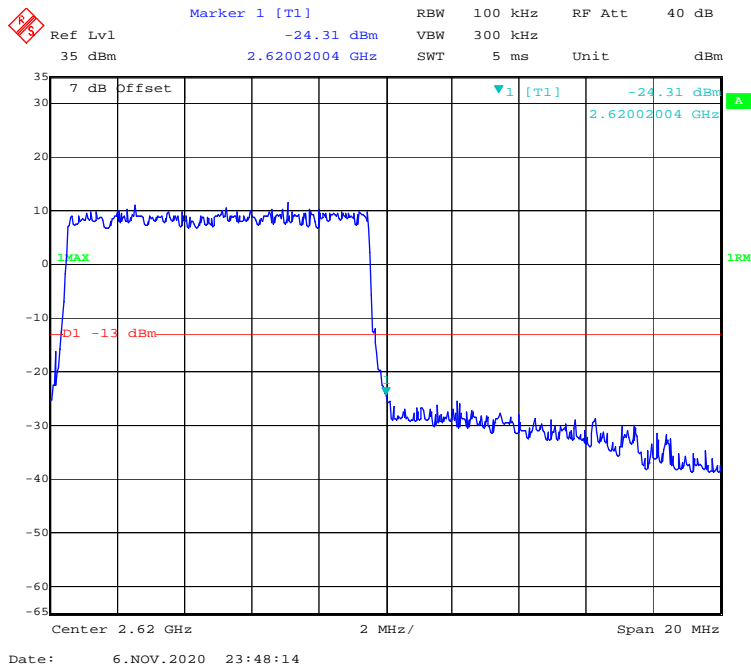
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



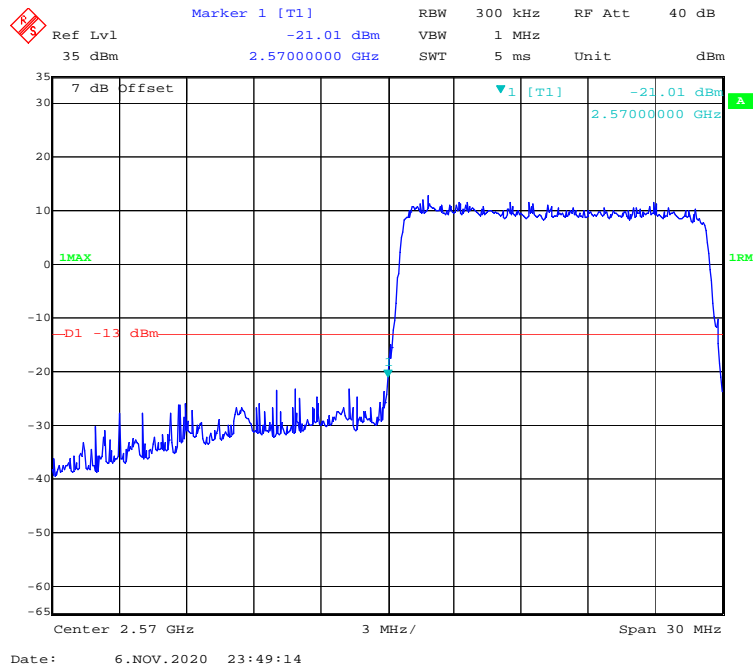
16-QAM (10.0 MHz, FULL RB) - Left Band Edge



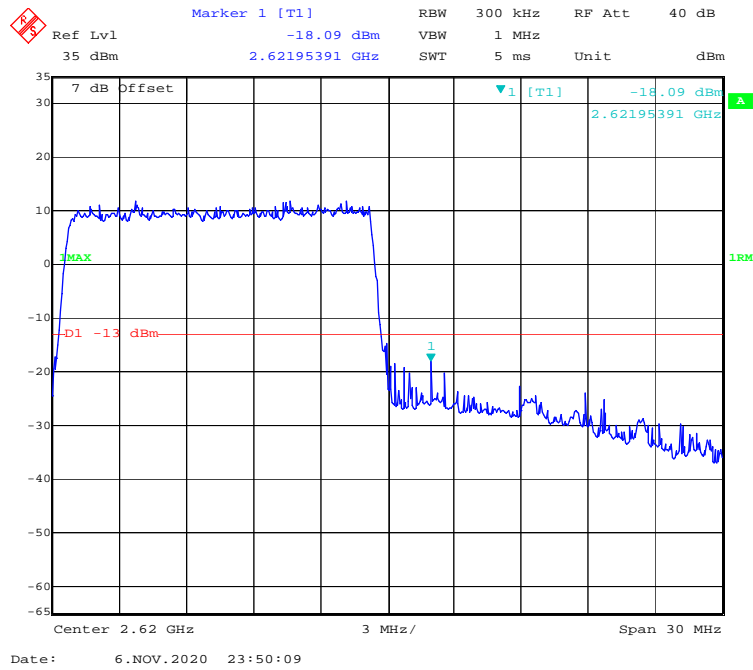
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



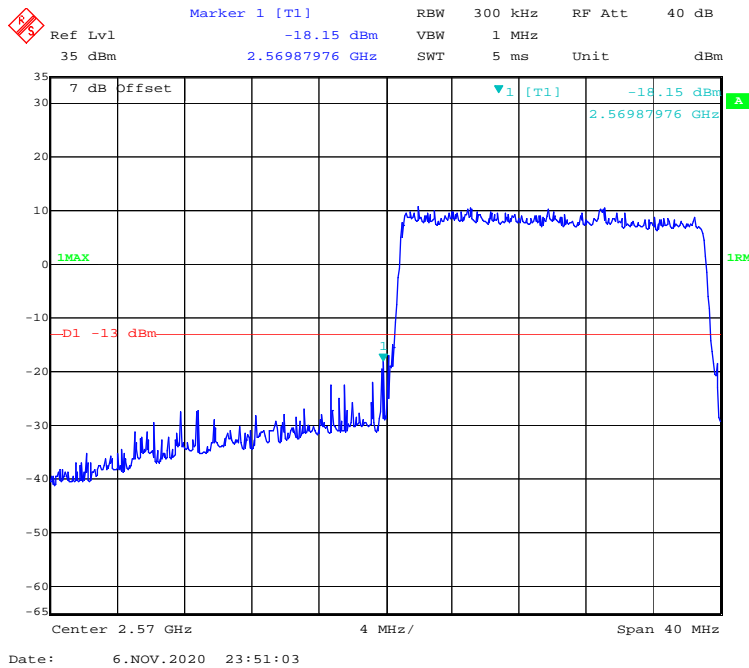
16-QAM (15.0 MHz, FULL RB) - Left Band Edge



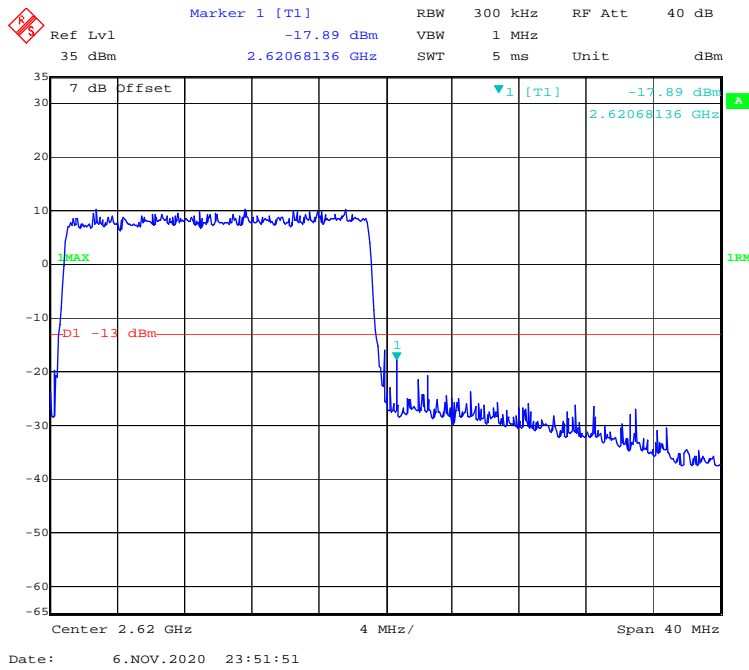
16-QAM (15.0 MHz, FULL RB) - Right Band Edge



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



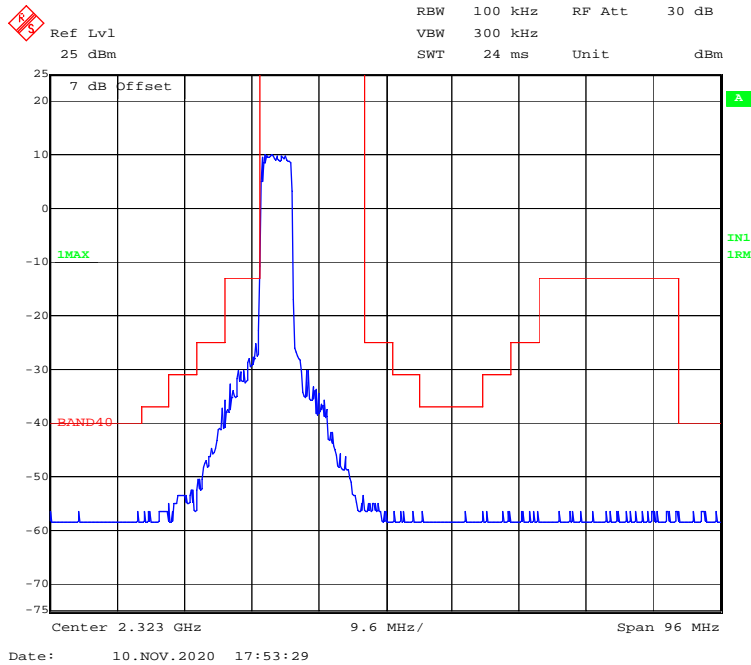
16-QAM (20.0 MHz, FULL RB) - Right Band Edge



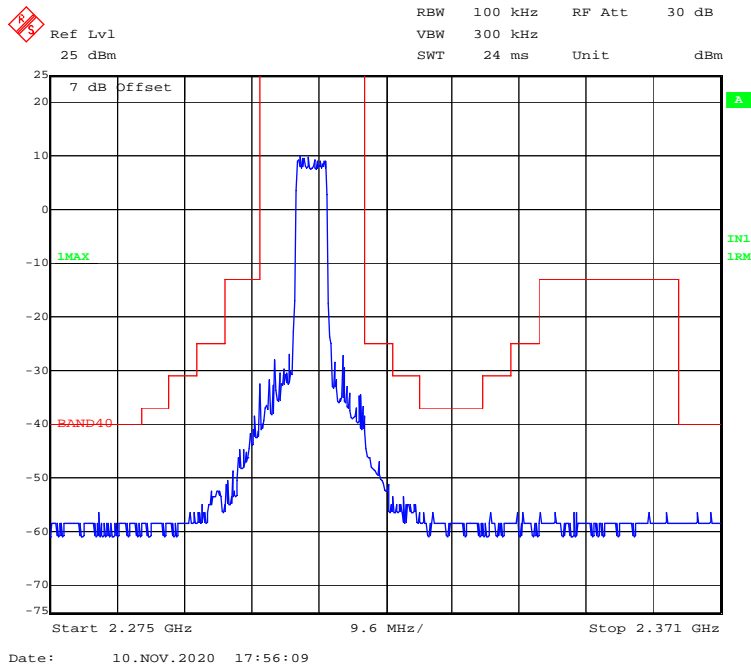
LTE Band 40:

2305-2315MHz

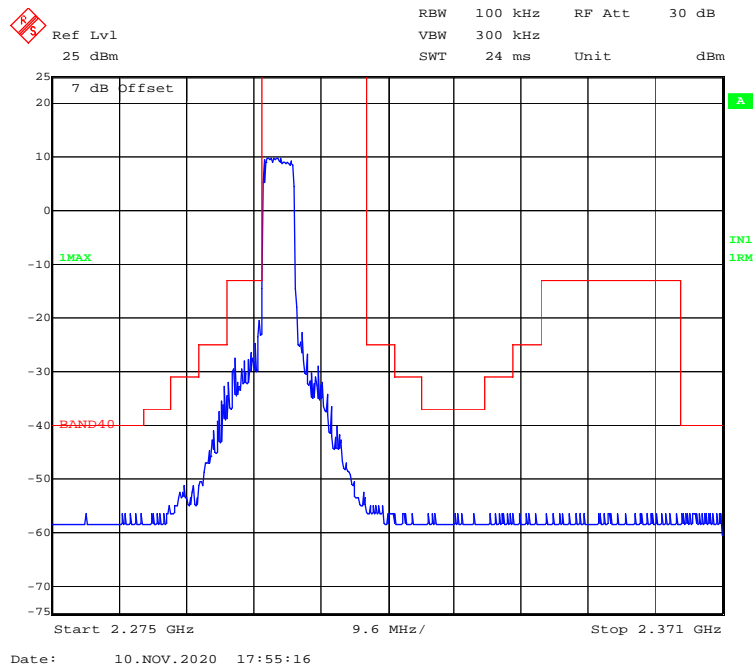
QPSK (5.0 MHz, FULL RB) - Left Band Edge



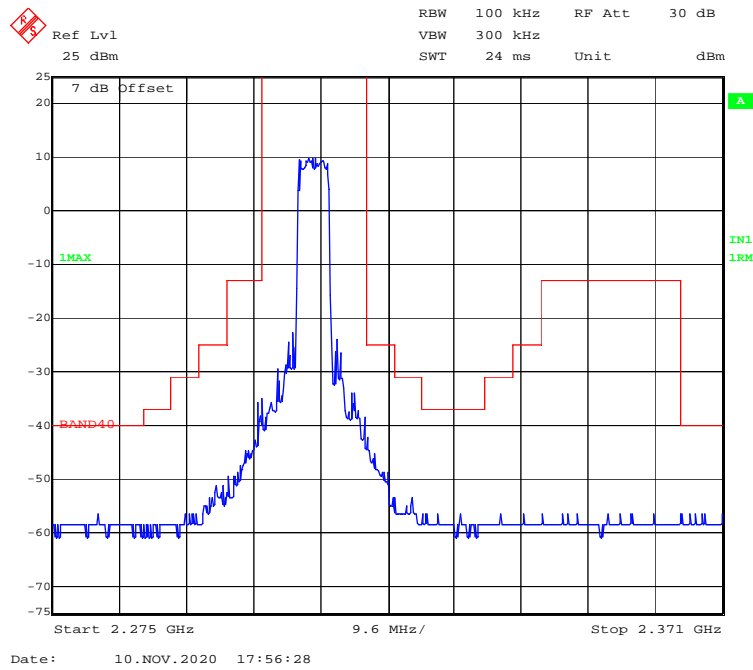
QPSK (5.0 MHz, FULL RB) - Right Band Edge



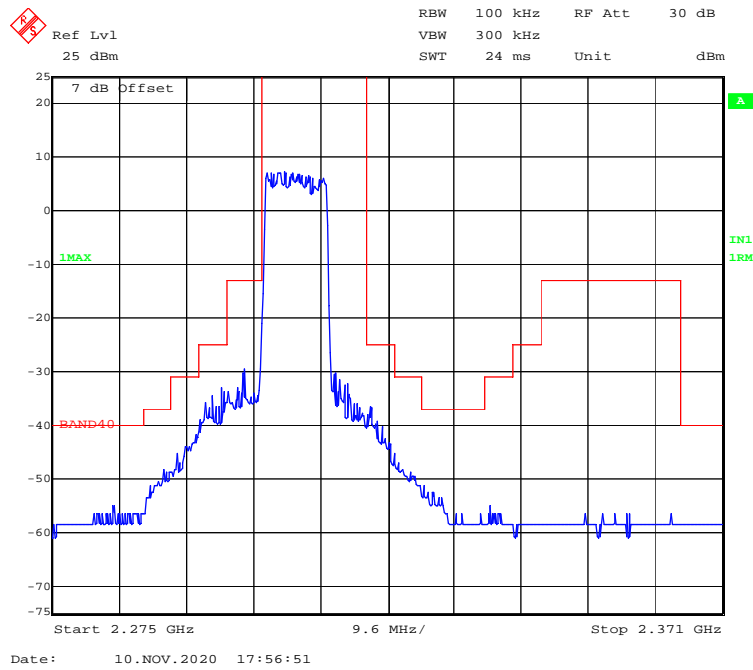
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



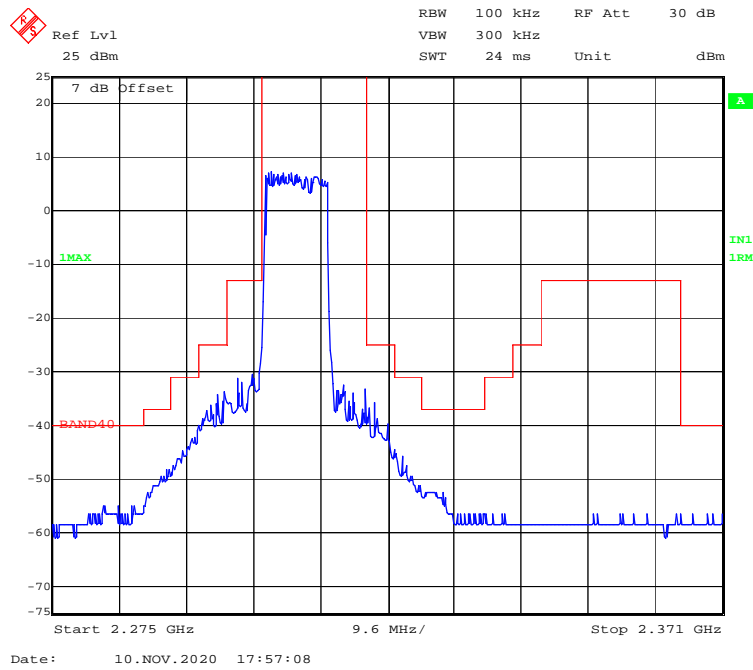
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



QPSK (10.0 MHz, FULL RB) Band Edge

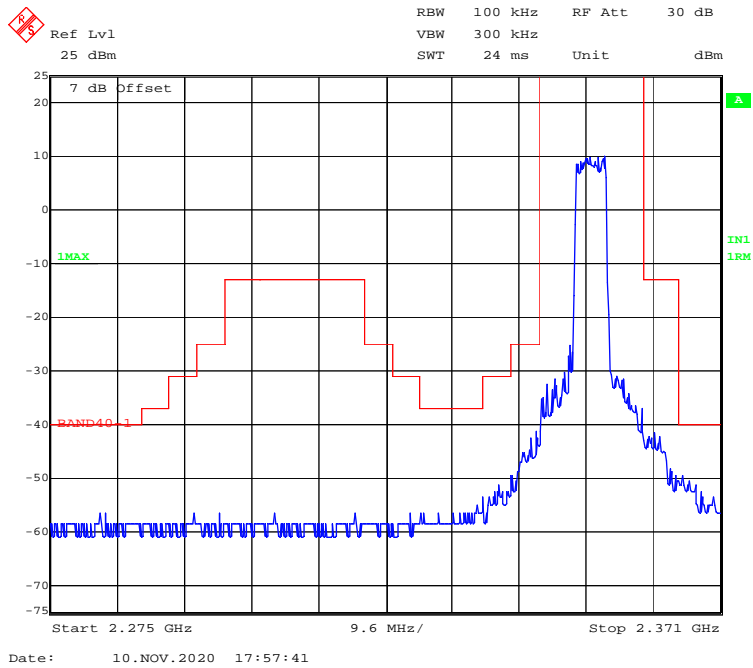


16-QAM (10.0 MHz, FULL RB) Band Edge

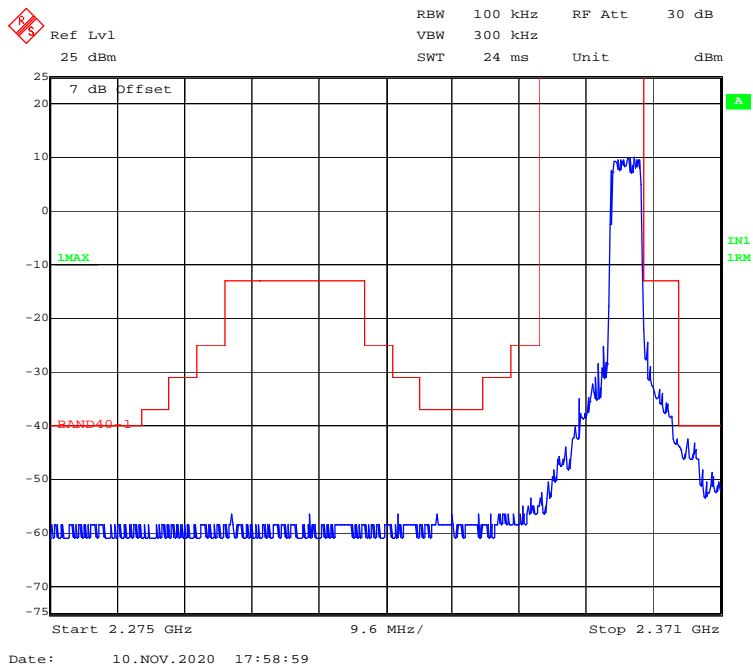


2350-2360MHz

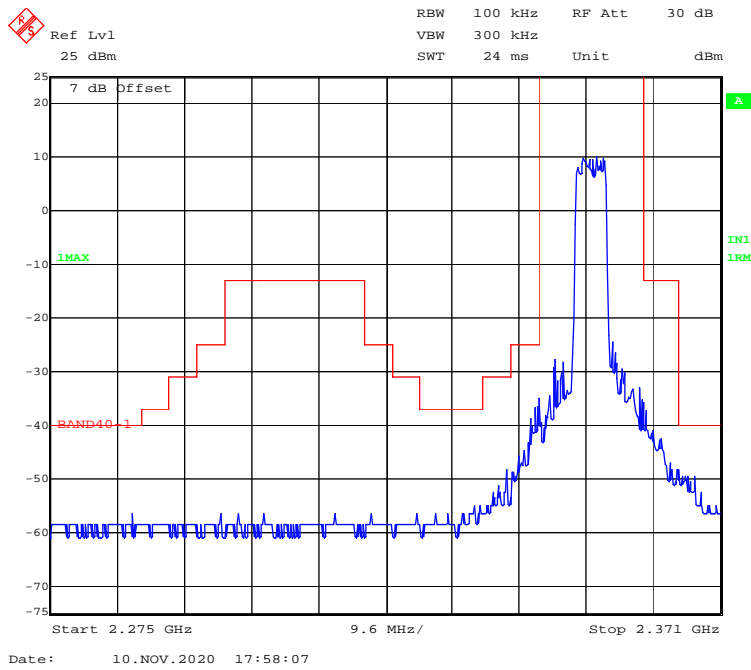
QPSK (5.0 MHz, FULL RB) - Left Band Edge



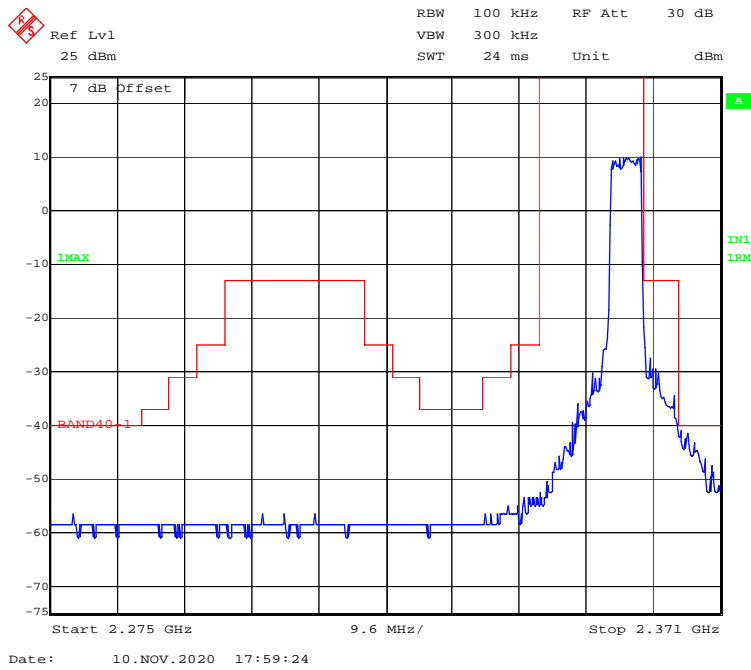
QPSK (5.0 MHz, FULL RB) - Right Band Edge



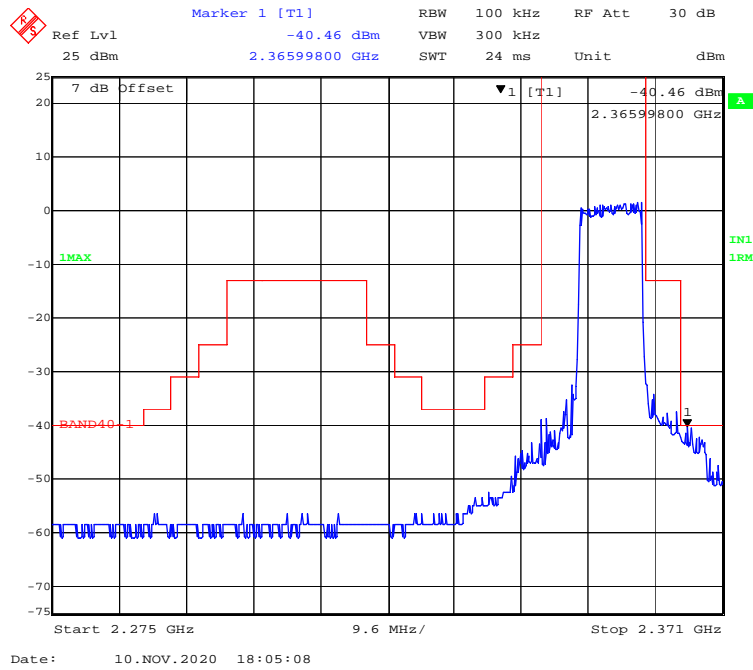
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



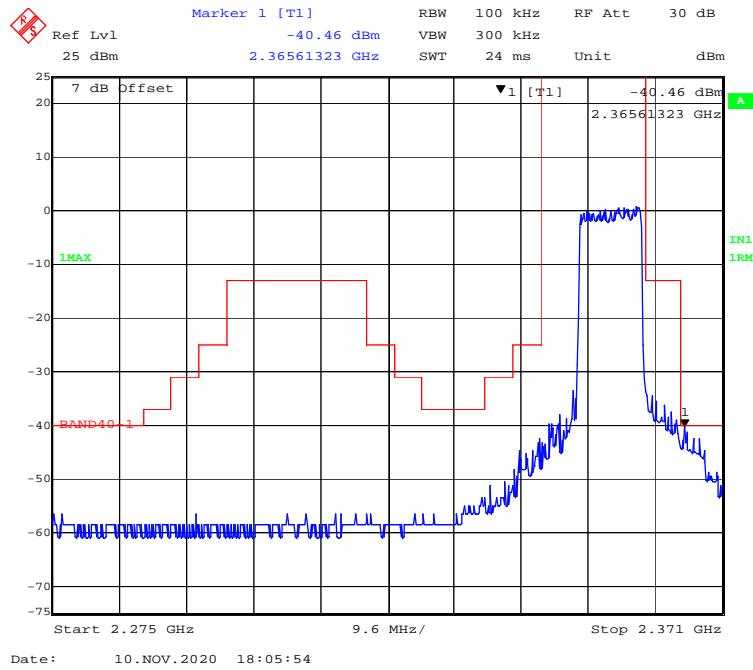
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



QPSK (10.0 MHz, FULL RB) Band Edge

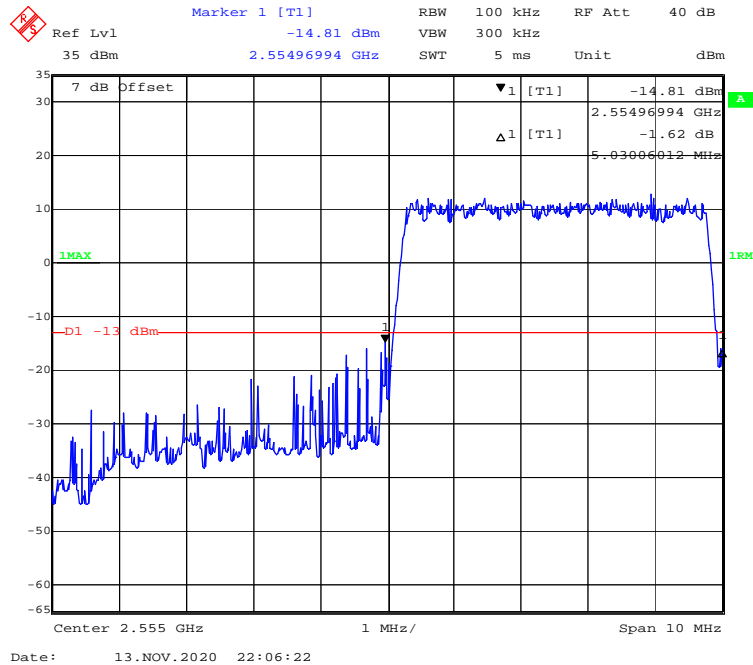


16-QAM (10.0 MHz, FULL RB) Band Edge

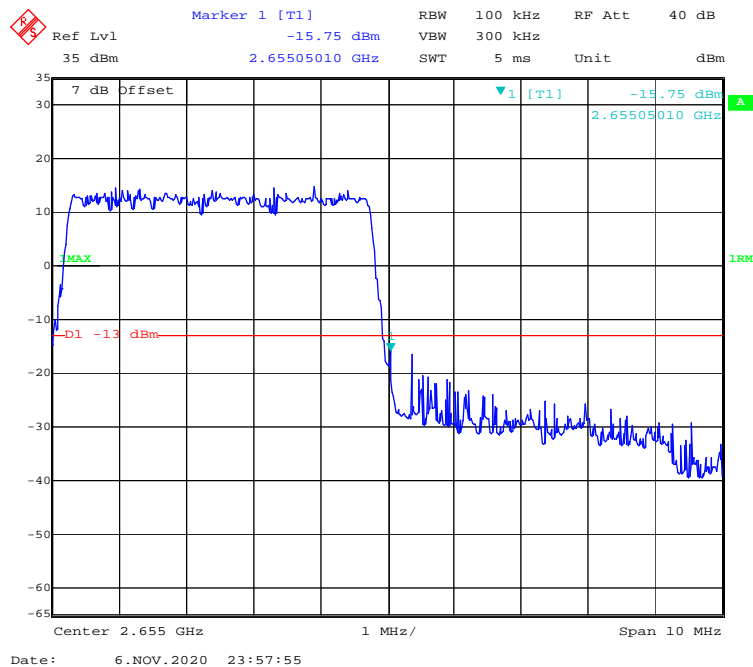


LTE Band 41:

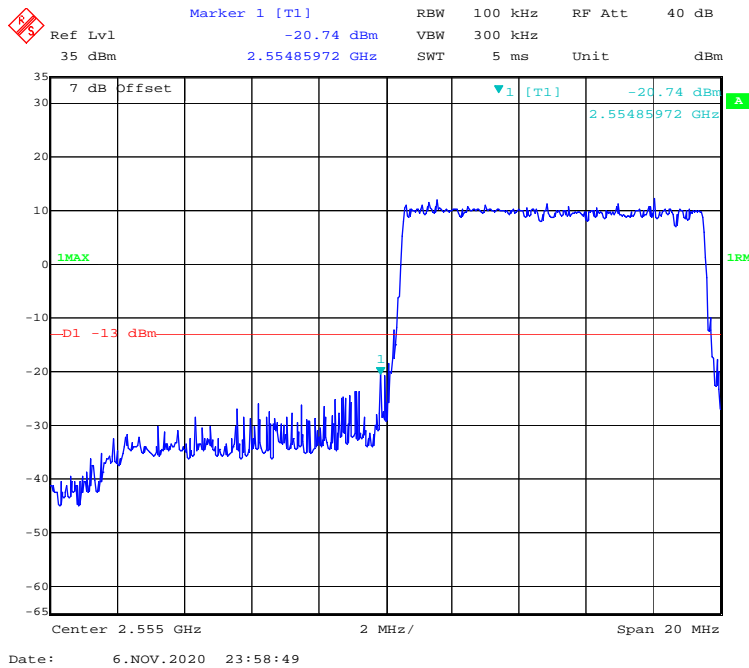
QPSK (5.0 MHz, FULL RB) - Left Band Edge



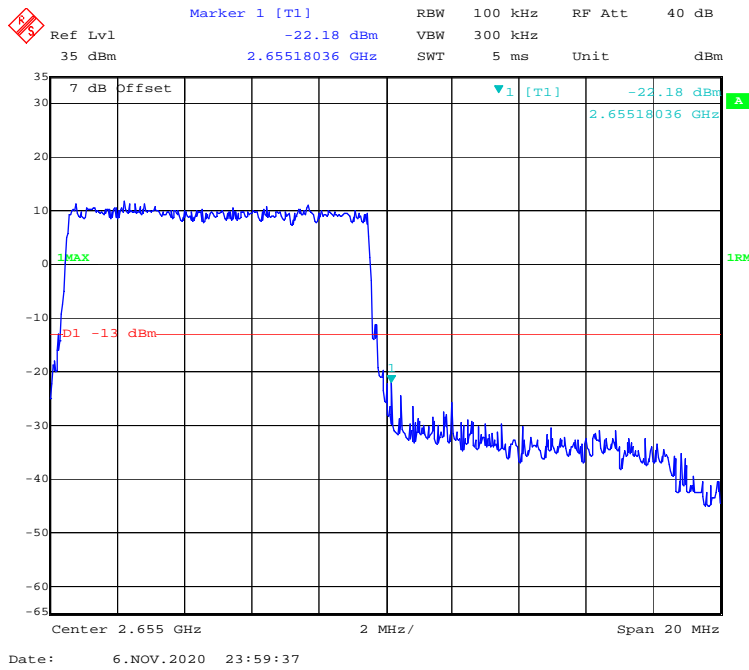
QPSK (5.0 MHz, FULL RB) - Right Band Edge



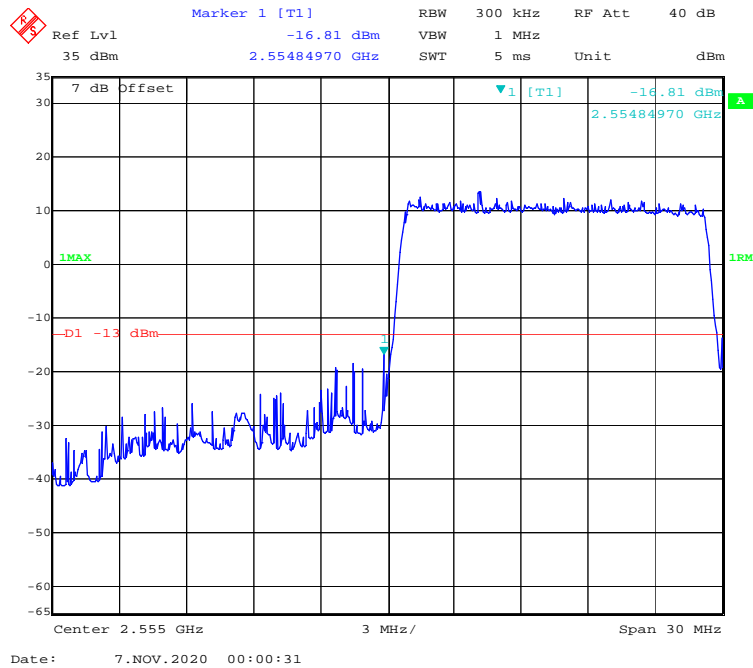
QPSK (10.0 MHz, FULL RB) - Left Band Edge



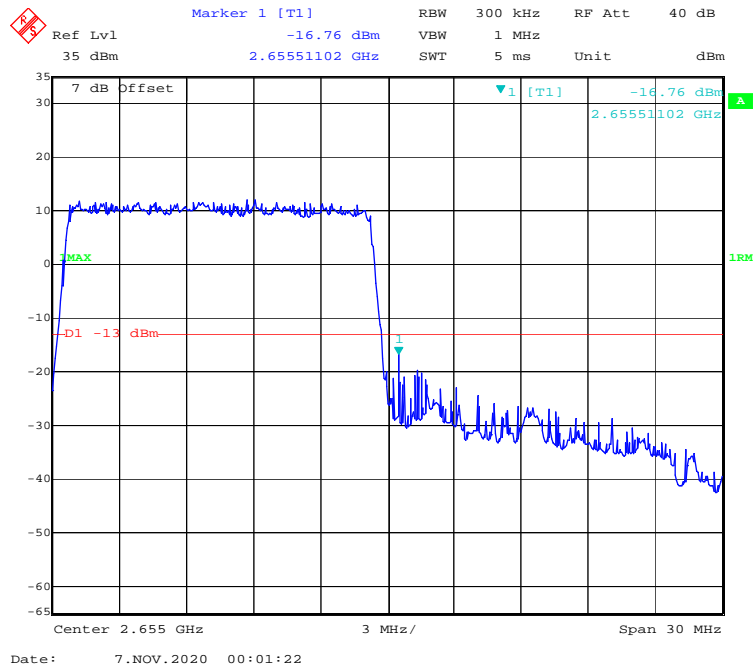
QPSK (10.0 MHz, FULL RB) - Right Band Edge



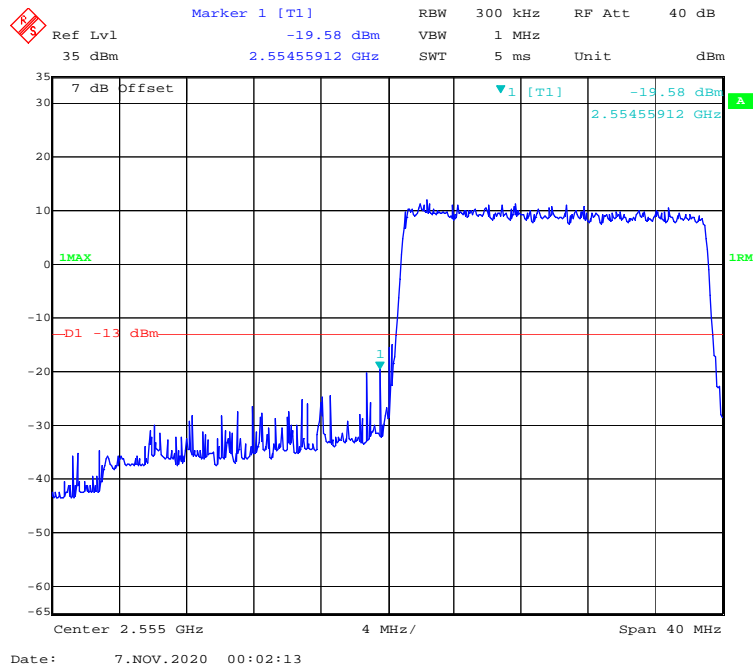
QPSK (15.0 MHz, FULL RB) - Left Band Edge



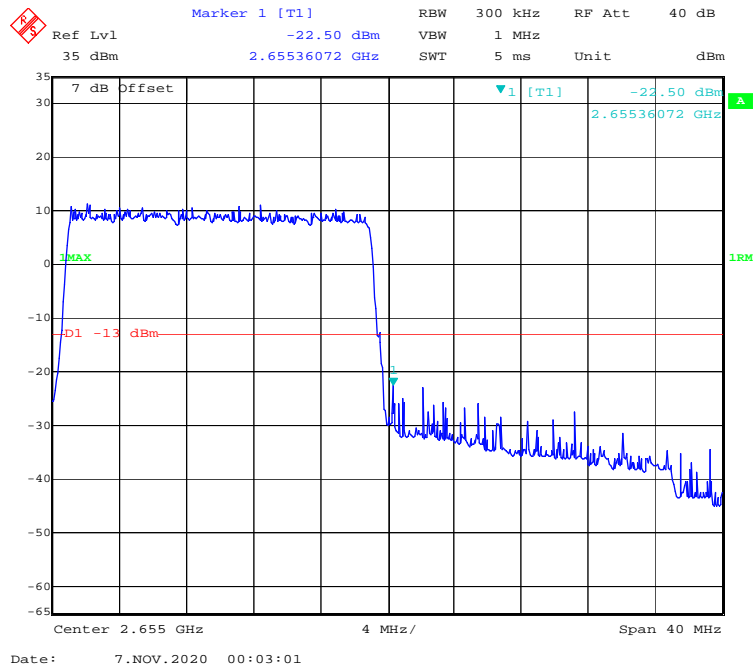
QPSK (15.0 MHz, FULL RB) - Right Band Edge



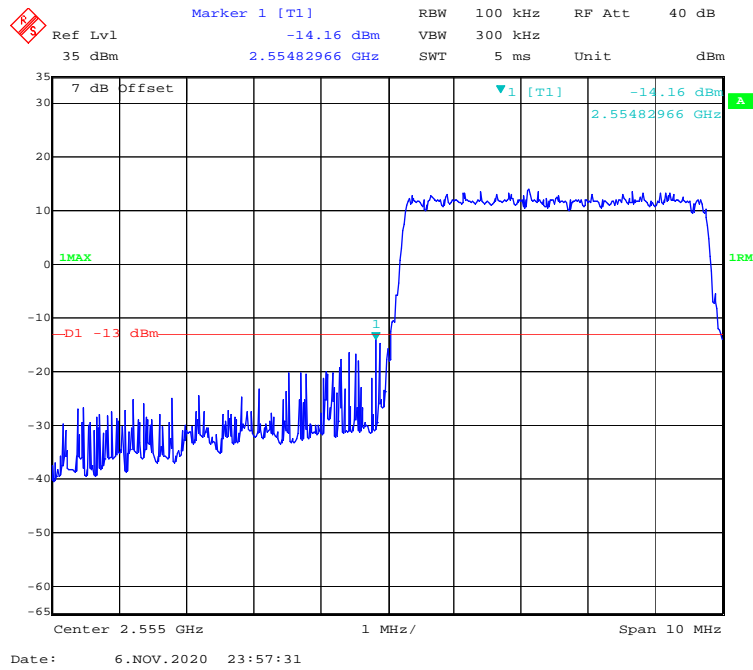
QPSK (20.0 MHz, FULL RB) - Left Band Edge



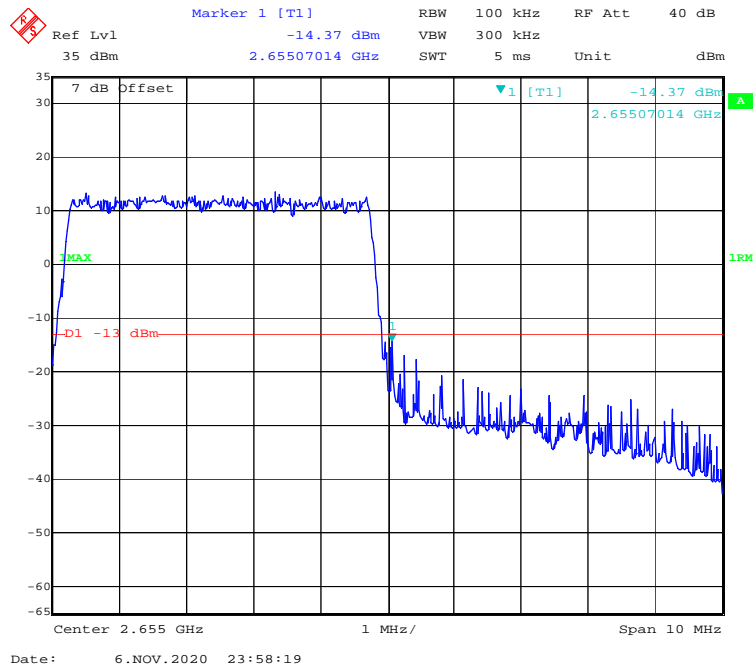
QPSK (20.0 MHz, FULL RB) - Right Band Edge



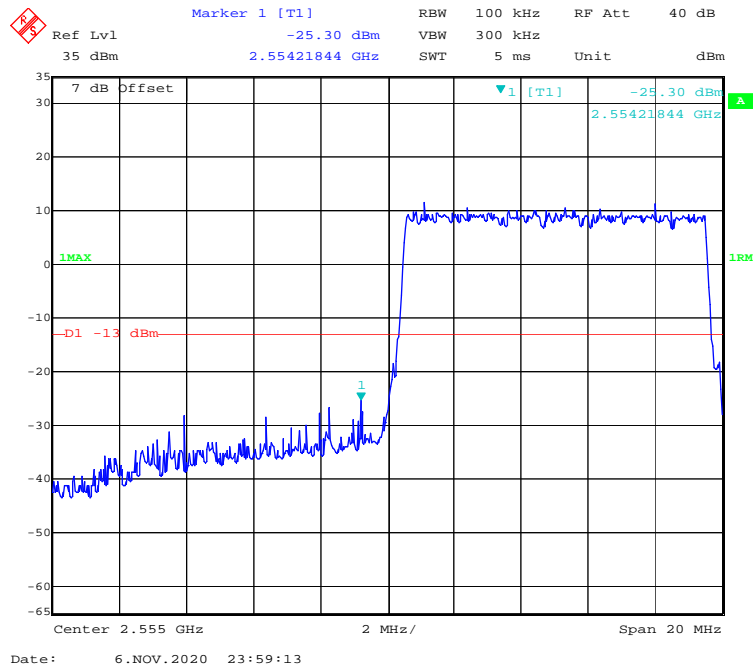
16-QAM (5.0 MHz, FULL RB) - Left Band Edge



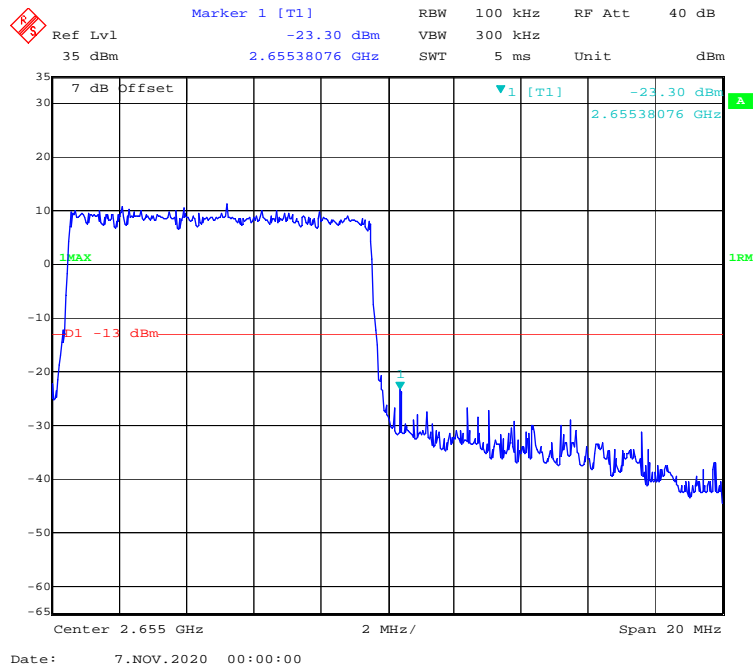
16-QAM (5.0 MHz, FULL RB) - Right Band Edge



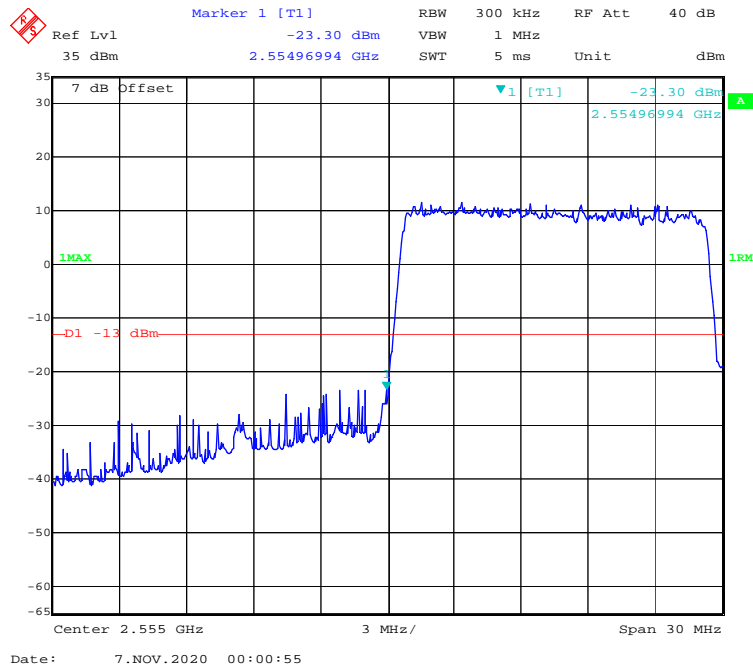
16-QAM (10.0 MHz, FULL RB) - Left Band Edge



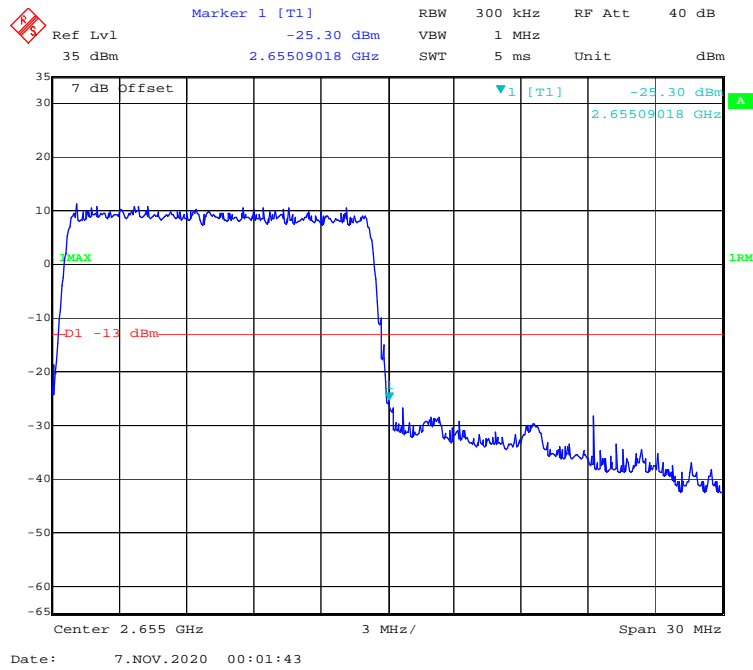
16-QAM (10.0 MHz, FULL RB) - Right Band Edge



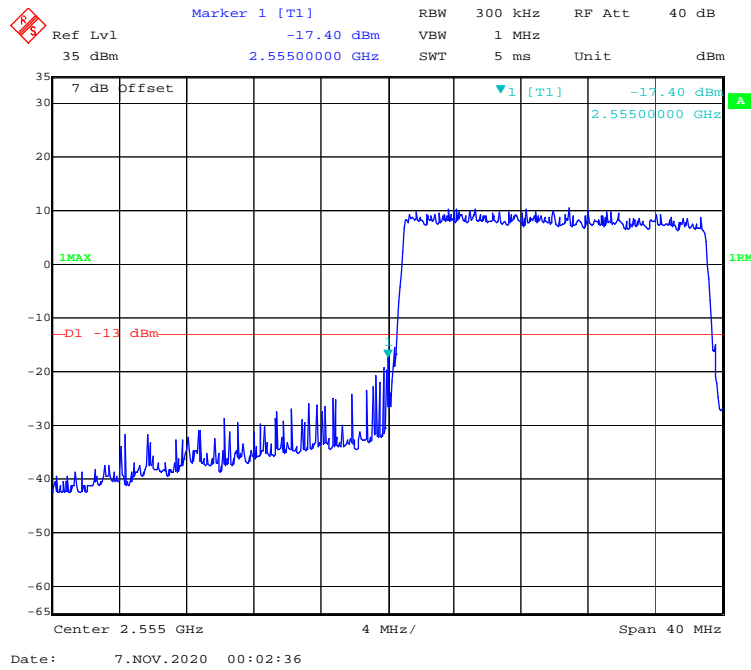
16-QAM (15.0 MHz, FULL RB) - Left Band Edge



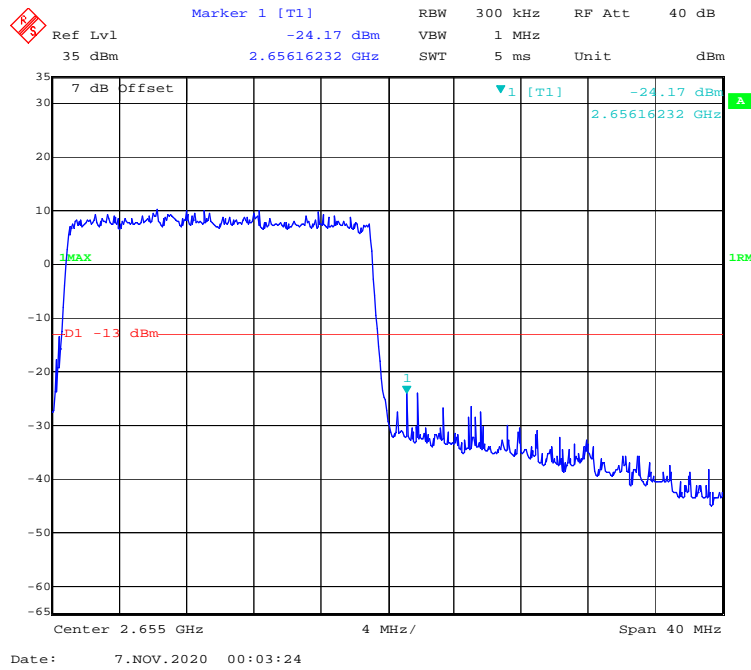
16-QAM (15.0 MHz, FULL RB) - Right Band Edge



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

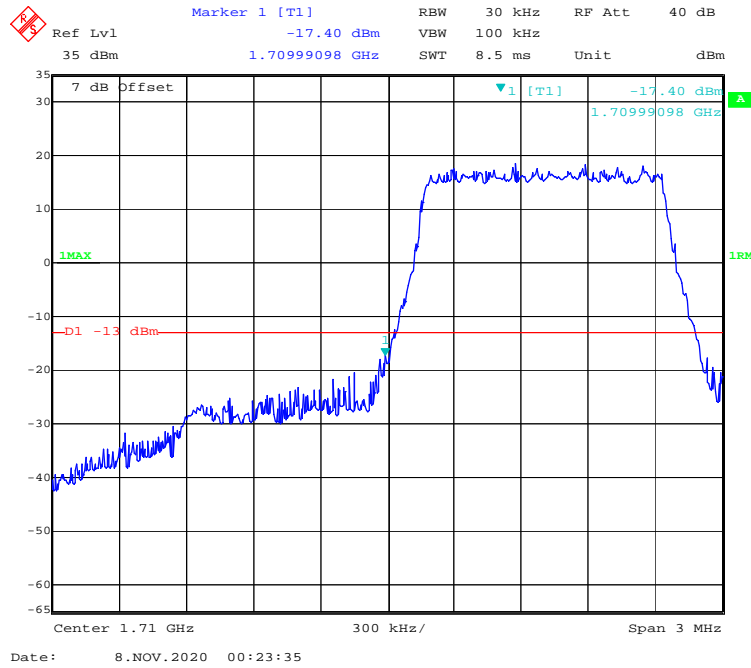


16-QAM (20.0 MHz, FULL RB) - Right Band Edge

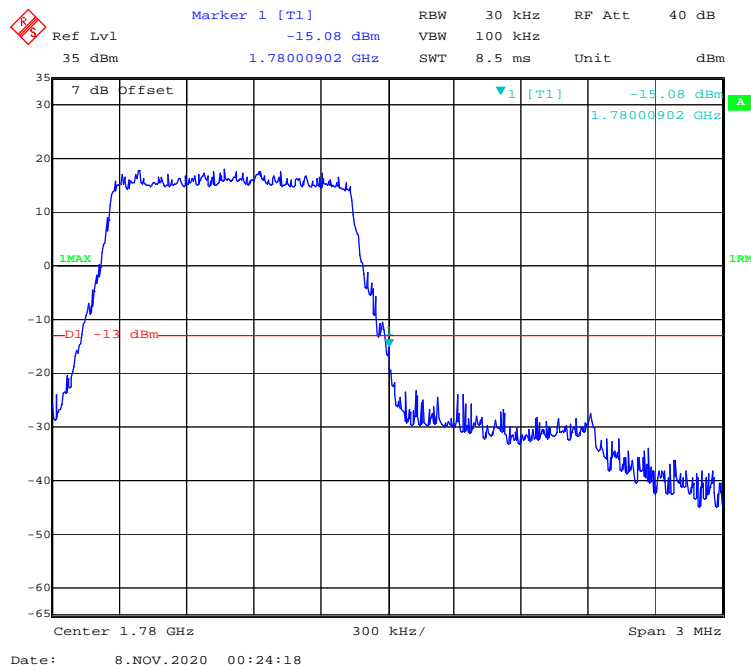


LTE Band 66:

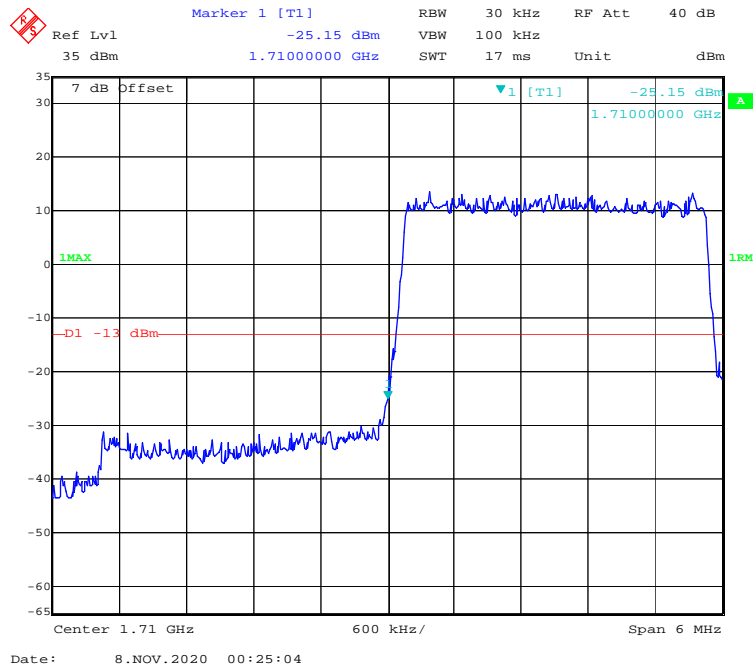
QPSK (1.4 MHz, FULL RB) - Left Band Edge



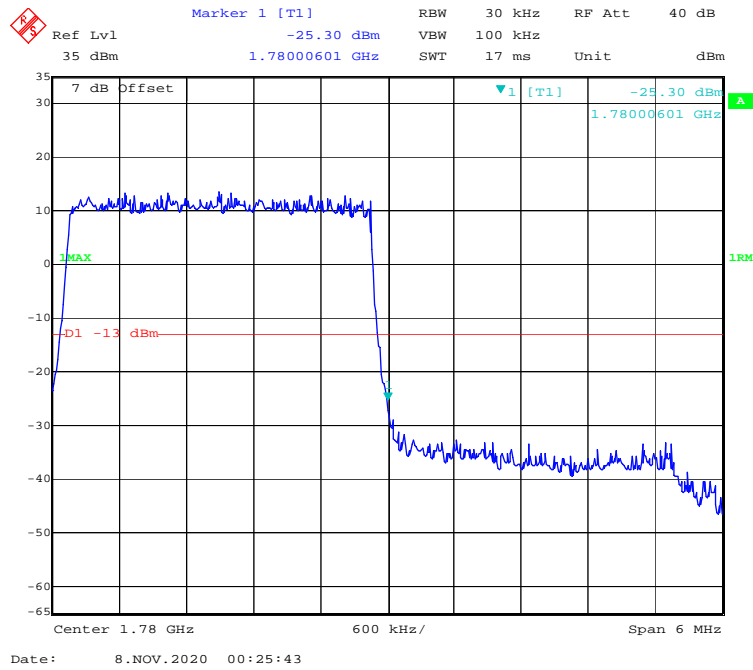
QPSK (1.4 MHz, FULL RB) - Right Band Edge



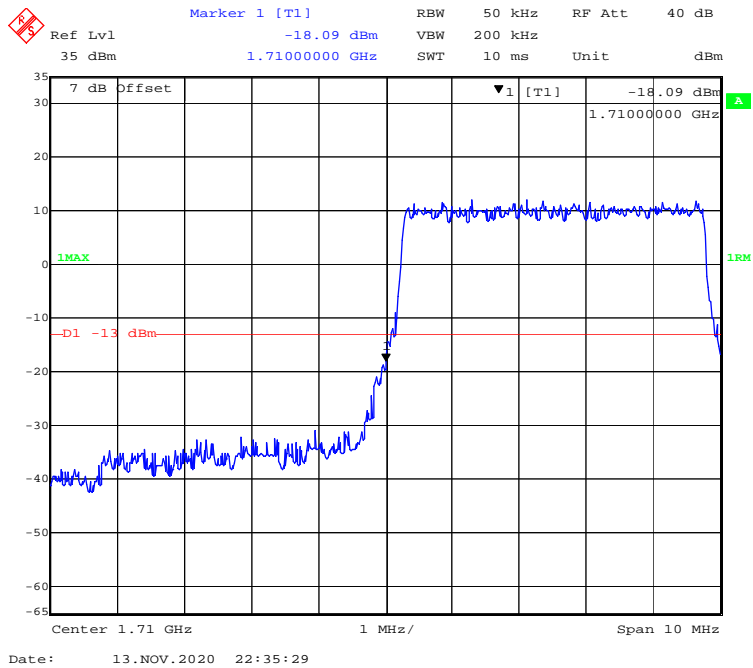
QPSK (3 MHz, FULL RB) - Left Band Edge



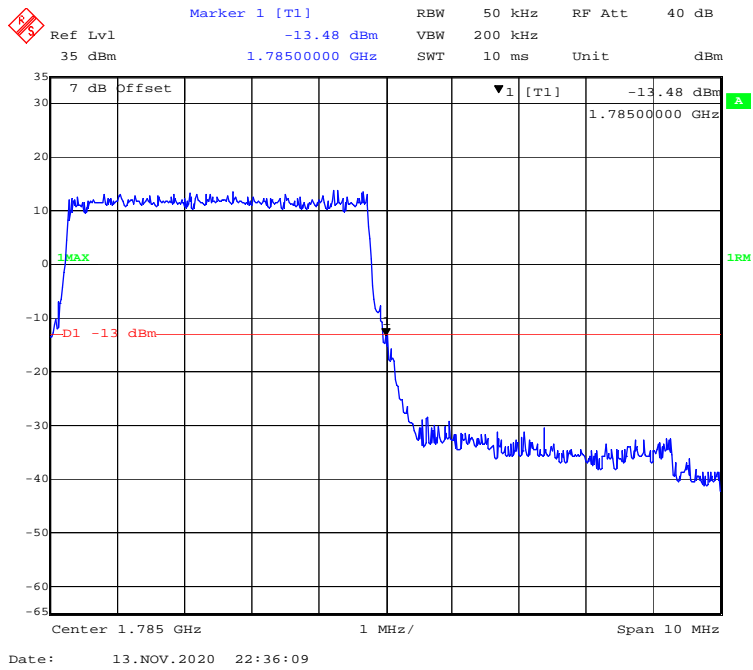
QPSK (3 MHz, FULL RB) - Right Band Edge



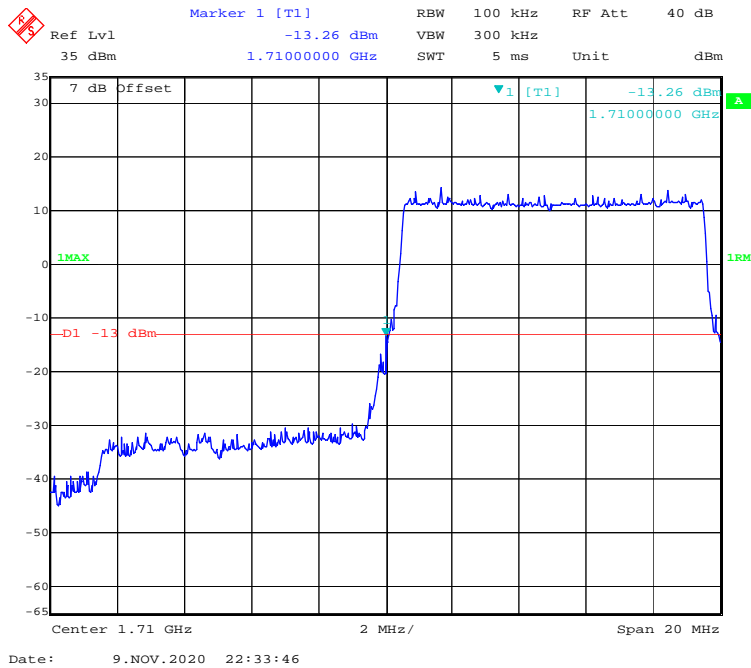
QPSK (5 MHz, FULL RB) - Left Band Edge



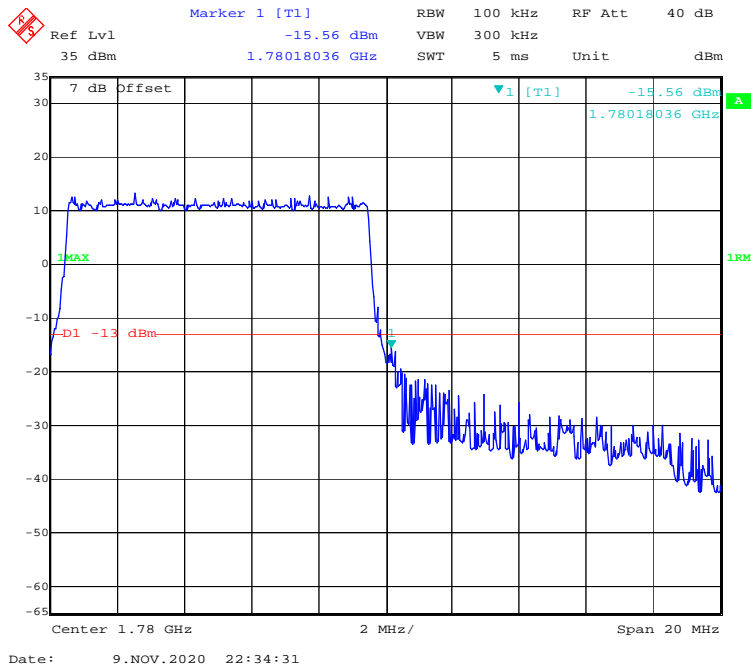
QPSK (5 MHz, FULL RB) - Right Band Edge



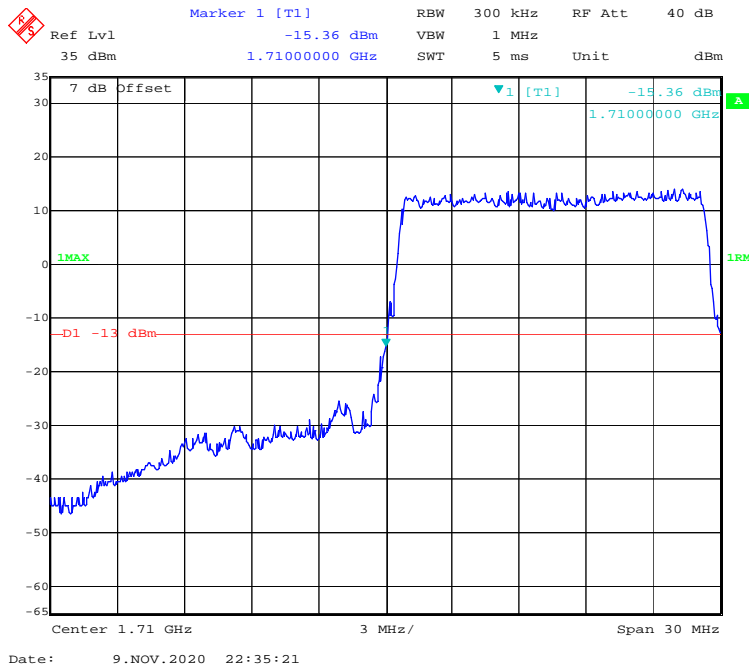
QPSK (10 MHz, FULL RB) - Left Band Edge



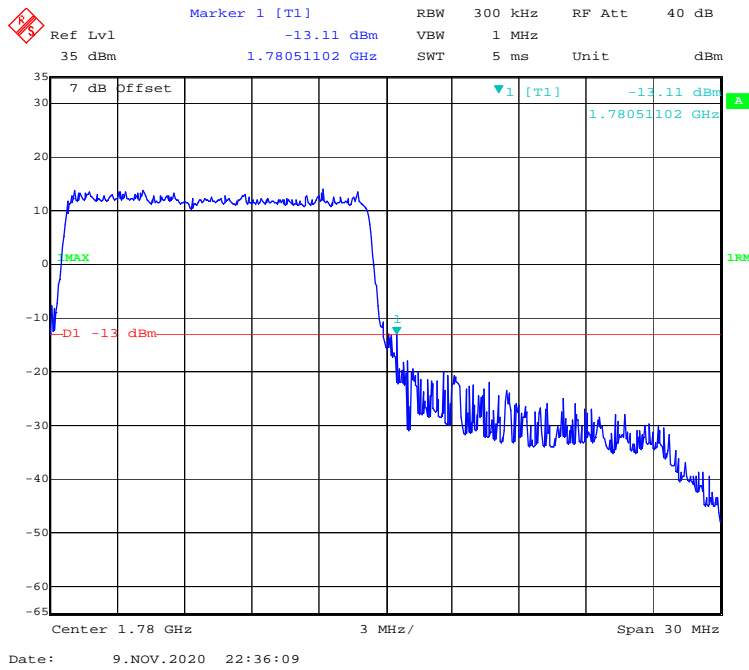
QPSK (10 MHz, FULL RB) - Right Band Edge



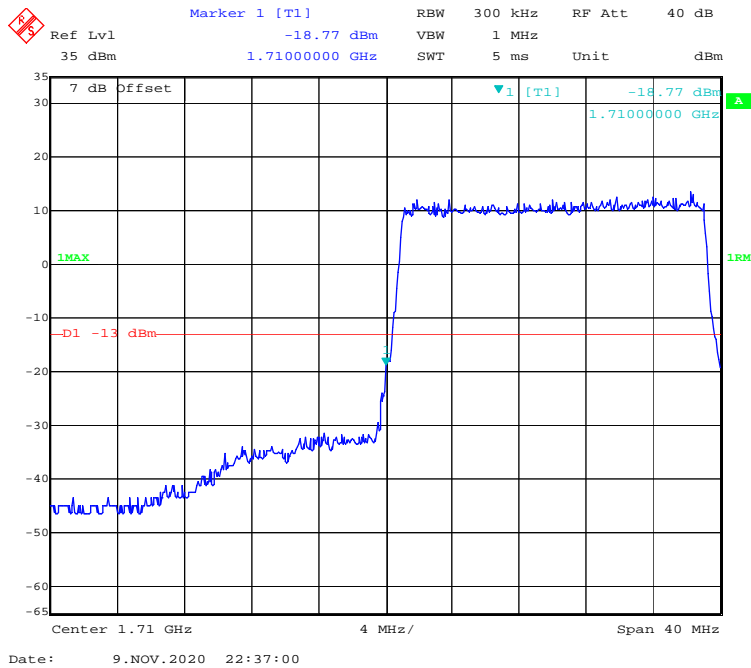
QPSK (15 MHz, FULL RB) - Left Band Edge



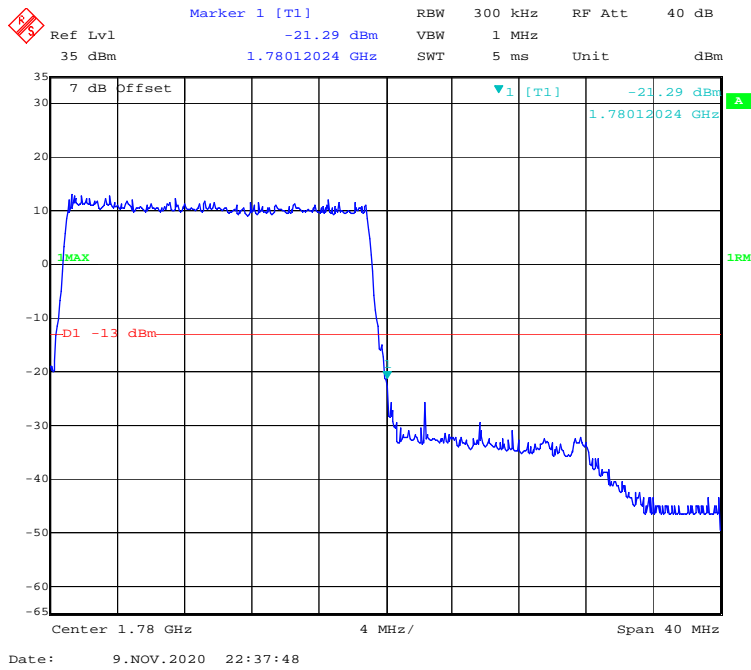
QPSK (15 MHz, FULL RB) - Right Band Edge



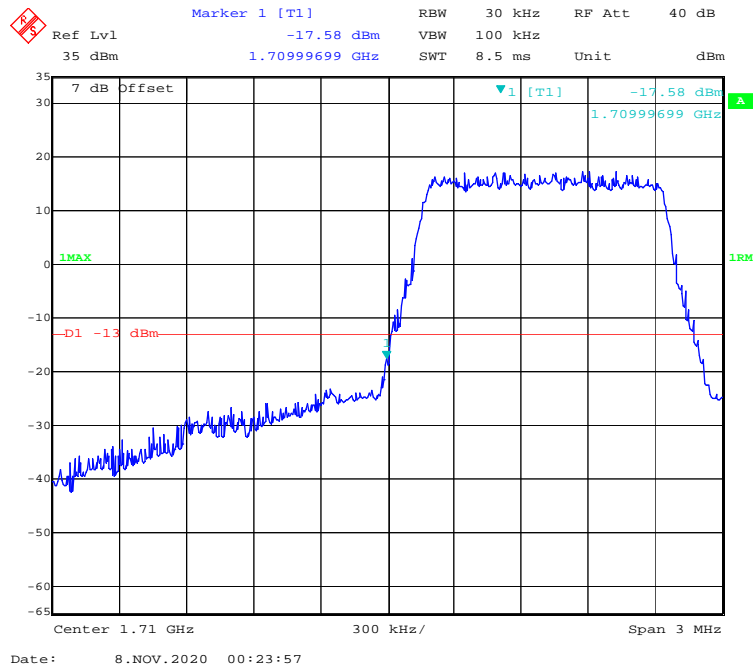
QPSK (20 MHz, FULL RB) - Left Band Edge



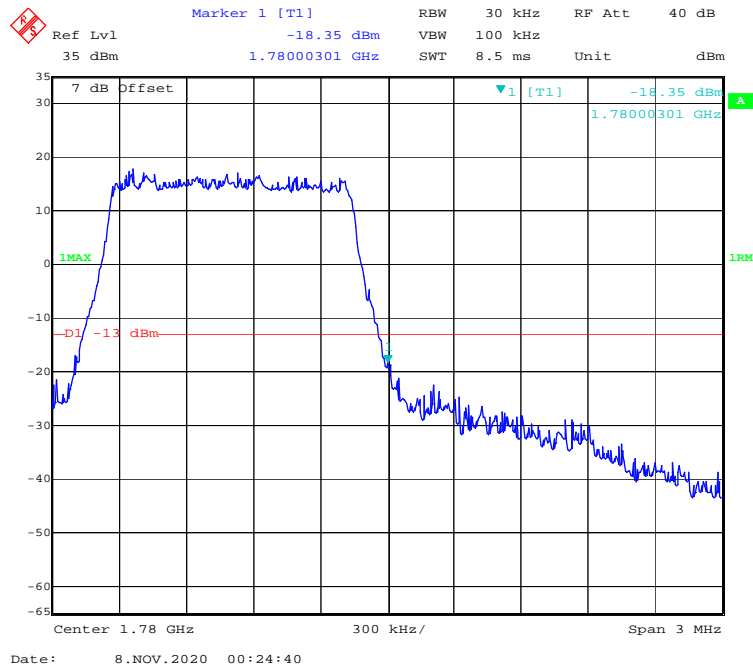
QPSK (20 MHz, FULL RB) - Right Band Edge



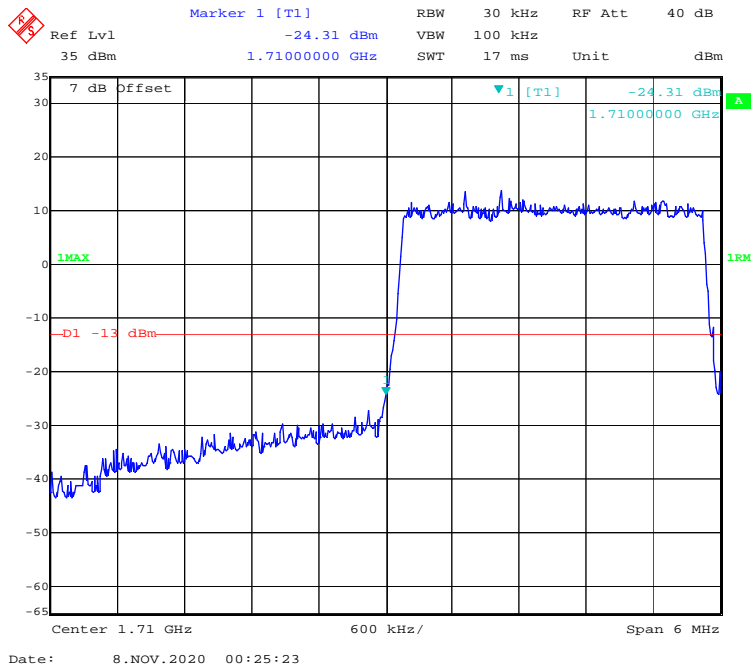
16-QAM (1.4 MHz, FULL RB) - Left Band Edge



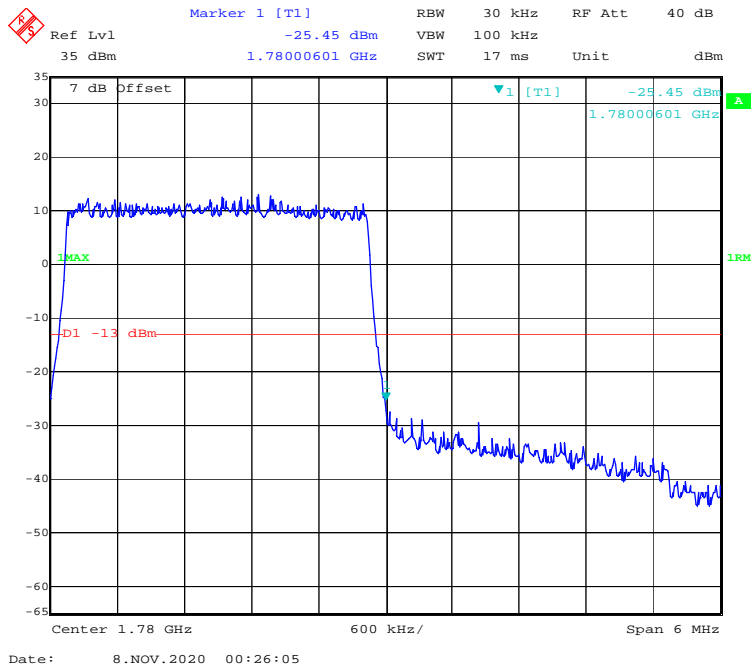
16-QAM (1.4 MHz, FULL RB) - Right Band Edge



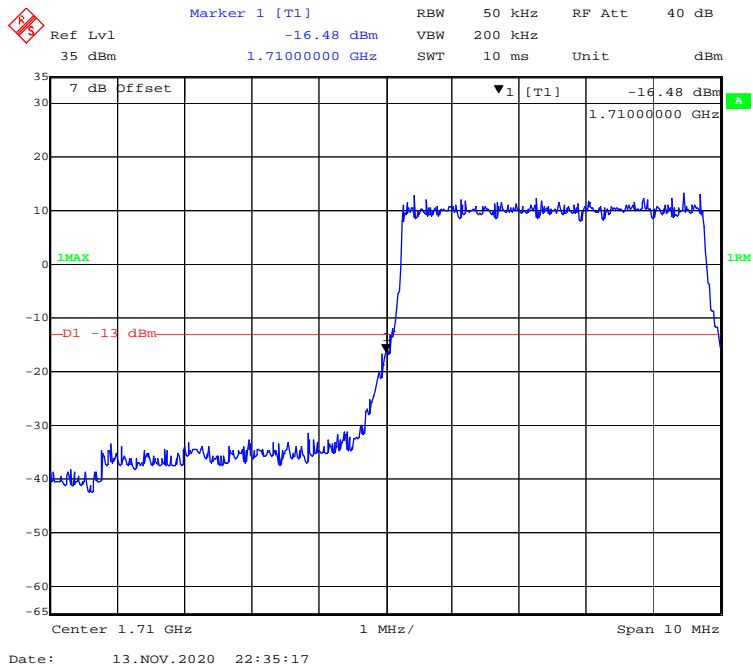
16-QAM (3 MHz, FULL RB) - Left Band Edge



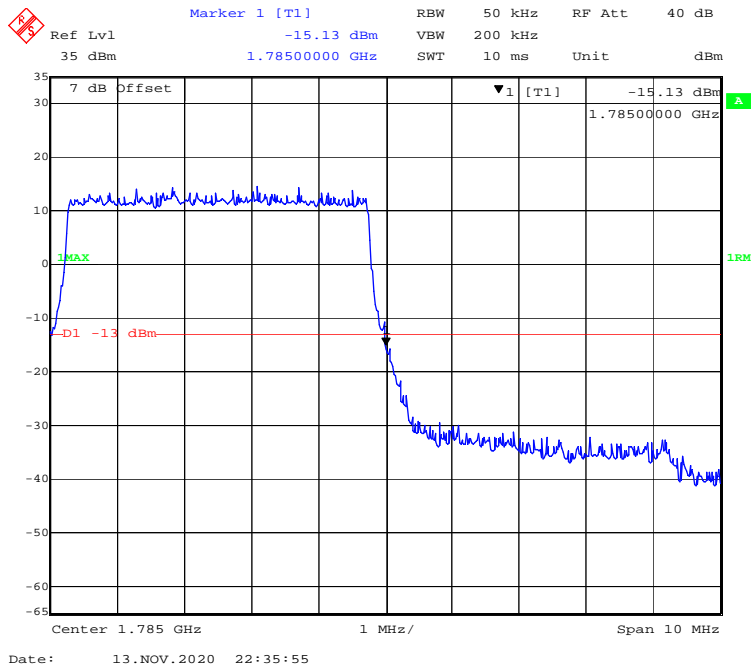
16-QAM (3 MHz, FULL RB) - Right Band Edge



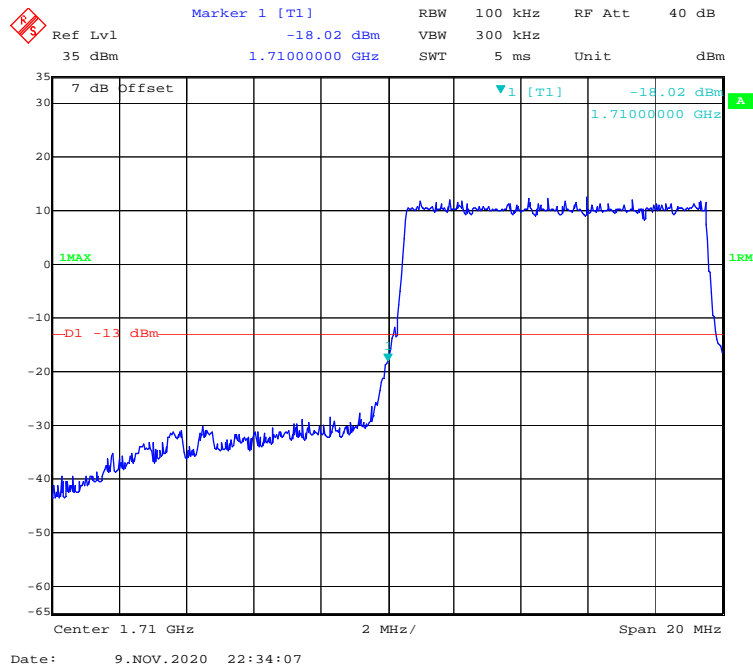
16-QAM (5 MHz, FULL RB) - Left Band Edge



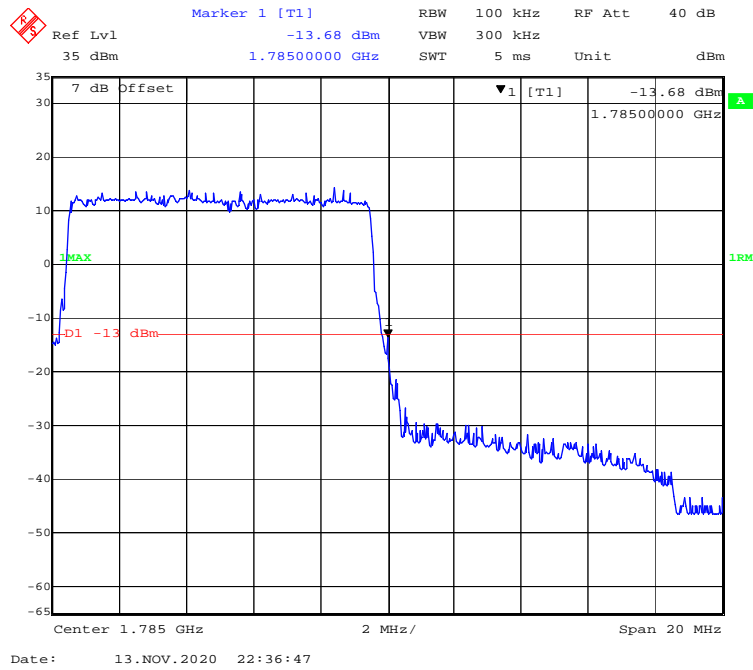
16-QAM (5 MHz, FULL RB) - Right Band Edge



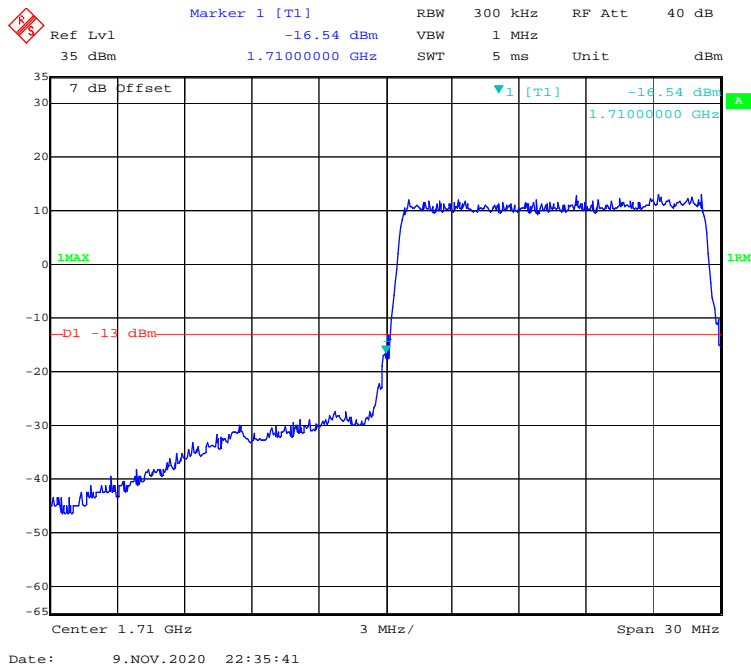
16-QAM (10 MHz, FULL RB) - Left Band Edge



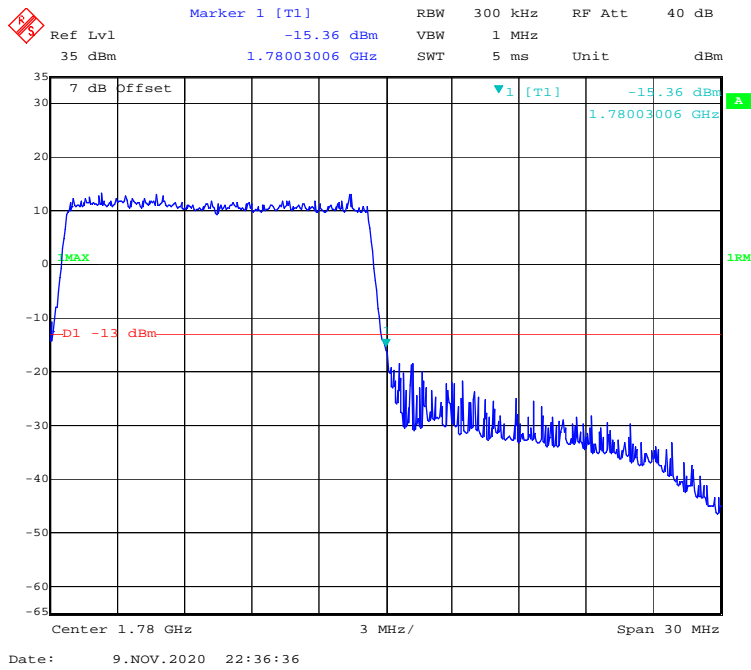
16-QAM (10 MHz, FULL RB) - Right Band Edge



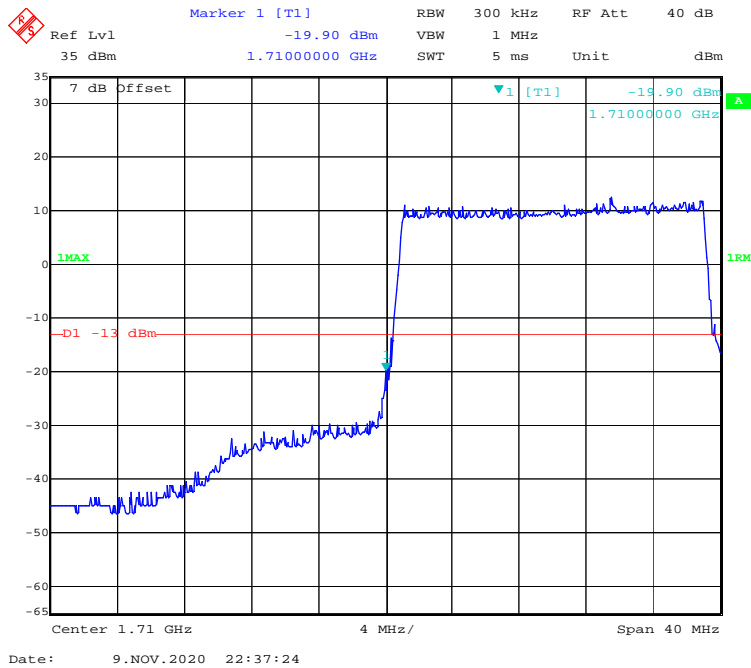
16-QAM (15 MHz, FULL RB) - Left Band Edge



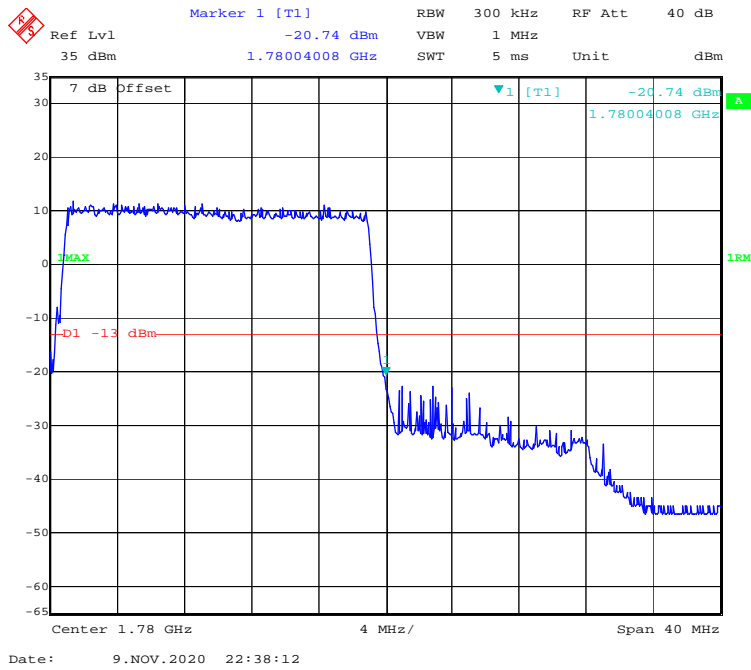
16-QAM (15 MHz, FULL RB) - Right Band Edge



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



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



FCC § 2.1055; § 22.355; § 24.235; §27.54; §90.213- FREQUENCY STABILITY

Applicable Standards

FCC § 2.1055, §22.355, §24.235, §27.54 and §90.213.

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

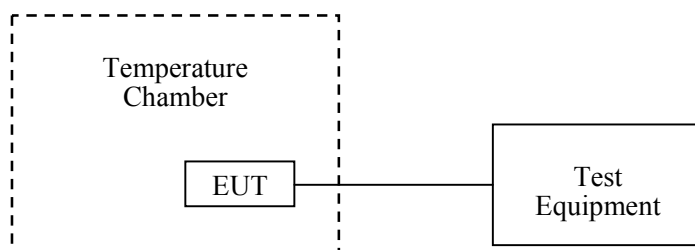
According to §24.235, the frequency stability shall be sufficient to ensure that the fundamental emissions stays within the authorized frequency block.

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:	21.5-23.5 °C
Relative Humidity:	47-52 %
ATM Pressure:	101.2-101.9 kPa

The testing was performed by CK Huang from 2020-11-24 to 2021-01-05.

EUT operation mode: Transmitting

Test Result: Compliant.

GSM 850 Band:

GSM Mode, Middle Channel, f ₀ =836.6 MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	20	0.02391	2.5
-20		12	0.01434	2.5
-10		11	0.01315	2.5
0		16	0.01913	2.5
10		8	0.00956	2.5
20		12	0.01434	2.5
30		15	0.01793	2.5
40		14	0.01673	2.5
50		10	0.01195	2.5
20		V min.= 3.42	15	0.01793
20	V max.= 4.18	16	0.01913	2.5

GPRS Mode, Middle Channel, $f_0=836.6$ MHz				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	20	0.02391	2.5
-20		8	0.00956	2.5
-10		12	0.01434	2.5
0		14	0.01673	2.5
10		9	0.01076	2.5
20		15	0.01793	2.5
30		21	0.02510	2.5
40		12	0.01434	2.5
50		16	0.01913	2.5
20		V min.= 3.42	11	0.01315
20	V max.= 4.18	15	0.01793	2.5

EGPRS Mode, Middle Channel, $f_0=836.6$ MHz				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	8	0.00956	2.5
-20		21	0.02510	2.5
-10		20	0.02391	2.5
0		12	0.01434	2.5
10		11	0.01315	2.5
20		14	0.01673	2.5
30		12	0.01434	2.5
40		11	0.01315	2.5
50		9	0.01076	2.5
20		V min.= 3.42	14	0.01673
20	V max.= 4.18	12	0.01434	2.5

WCDMA Band V:

WCDMA Mode, Middle Channel, $f_0 = 836.6$ MHz				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Limit (ppm)
-30	3.8	14	0.0167	2.5
-20		14	0.0167	2.5
-10		10	0.0120	2.5
0		12	0.0143	2.5
10		15	0.0179	2.5
20		8	0.0096	2.5
30		9	0.0108	2.5
40		21	0.0251	2.5
50		15	0.0179	2.5
20		V min.= 3.42	12	0.0143
20	V max.= 4.18	13	0.0155	2.5

PCS 1900 Band:

GSM Mode, Middle Channel, $f_0 = 1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	-15	-0.00798	pass
-20		-15	-0.00798	pass
-10		-12	-0.00638	pass
0		-15	-0.00798	pass
10		-13	-0.00691	pass
20		-9	-0.00479	pass
30		-9	-0.00479	pass
40		-17	-0.00904	pass
50		-15	-0.00798	pass
20		V min.= 3.42	-9	-0.00479
20	V max.= 4.18	-19	-0.01011	pass

GPRS Mode, Middle Channel, $f_0 = 1880.0$ MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	-14	-0.00745	pass
-20		-16	-0.00851	pass
-10		-13	-0.00691	pass
0		-12	-0.00638	pass
10		-15	-0.00798	pass
20		-10	-0.00532	pass
30		-15	-0.00798	pass
40		-16	-0.00851	pass
50		-9	-0.00479	pass
20		V min.= 3.42	-21	-0.01117
20	V max.= 4.18	-12	-0.00638	pass

EGPRS Mode, Middle Channel, $f_0 = 1880.0$ MHz				
Temperature (°C)	Power Supplied (V _{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	-18	-0.00957	pass
-20		-12	-0.00638	pass
-10		-20	-0.01064	pass
0		-15	-0.00798	pass
10		-18	-0.00957	pass
20		-14	-0.00745	pass
30		-18	-0.00957	pass
40		-19	-0.01011	pass
50		-20	-0.01064	pass
20		V min.= 3.42	-19	-0.01011
20	V max.= 4.18	-17	-0.00904	pass

WCDMA Band II:

WCDMA Mode, Middle Channel, $f_0 = 1880.0$ MHz				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	-13	-0.0069	pass
-20		-15	-0.0080	pass
-10		-10	-0.0053	pass
0		-10	-0.0053	pass
10		-10	-0.0053	pass
20		-16	-0.0085	pass
30		-13	-0.0069	pass
40		-17	-0.0090	pass
50		-18	-0.0096	pass
20		V min.= 3.42	-14	-0.0074
20	V max.= 4.18	-16	-0.0085	pass

LTE Band 2:

f₀ =1880.0 MHz (QPSK)				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	14	0.0167	Pass
-20		10	0.0120	Pass
-10		11	0.0132	Pass
0		16	0.0191	Pass
10		9	0.0108	Pass
20		14	0.0167	Pass
30		21	0.0251	Pass
40		17	0.0203	Pass
50		12	0.0143	Pass
20	V min.= 3.42	13	0.0155	Pass
20	V max.= 4.18	13	0.0155	Pass

f₀ =1880.0 MHz (16-QAM)				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	20	0.0239	Pass
-20		12	0.0143	Pass
-10		17	0.0203	Pass
0		20	0.0239	Pass
10		13	0.0155	Pass
20		15	0.0179	Pass
30		12	0.0143	Pass
40		16	0.0191	Pass
50		14	0.0167	Pass
20	V min.= 3.42	15	0.0179	Pass
20	V max.= 4.18	11	0.0132	Pass

LTE Band 4:

Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	1710.0483	1754.9677	1710	1755
-20		1710.0454	1754.9602	1710	1755
-10		1710.0407	1754.9693	1710	1755
0		1710.0482	1754.9614	1710	1755
10		1710.0497	1754.9647	1710	1755
20		1710.0477	1754.9687	1710	1755
30		1710.0411	1754.9629	1710	1755
40		1710.0433	1754.9682	1710	1755
50		1710.0458	1754.9611	1710	1755
20		V min.= 3.42	1710.0428	1754.9683	1710
20	V max.= 4.18	1710.0474	1754.9610	1710	1755

Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	1710.0490	1754.9648	1710	1755
-20		1710.0424	1754.9619	1710	1755
-10		1710.0411	1754.9671	1710	1755
0		1710.0417	1754.9622	1710	1755
10		1710.0436	1754.9679	1710	1755
20		1710.0495	1754.9659	1710	1755
30		1710.0455	1754.9641	1710	1755
40		1710.0452	1754.9671	1710	1755
50		1710.0476	1754.9643	1710	1755
20		V min.= 3.42	1710.0442	1754.9603	1710
20	V max.= 4.18	1710.0434	1754.9653	1710	1755

LTE Band 5:

Middle Channel, $f_0 = 836.5$ MHz (QPSK)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{DC})	(Hz)	(ppm)	(ppm)
-30	3.8	19	0.0227	2.5
-20		21	0.0251	2.5
-10		12	0.0143	2.5
0		15	0.0179	2.5
10		19	0.0227	2.5
20		12	0.0143	2.5
30		13	0.0155	2.5
40		16	0.0191	2.5
50		16	0.0191	2.5
20		V min.= 3.42	15	0.0179
20	V max.= 4.18	21	0.0251	2.5

Middle Channel, $f_0 = 836.5$ MHz (16-QAM)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{DC})	(Hz)	(ppm)	(ppm)
-30	3.8	14	0.0167	2.5
-20		16	0.0191	2.5
-10		16	0.0191	2.5
0		14	0.0167	2.5
10		10	0.0120	2.5
20		10	0.0120	2.5
30		16	0.0191	2.5
40		14	0.0167	2.5
50		14	0.0167	2.5
20		V min.= 3.42	13	0.0155
20	V max.= 4.18	16	0.0191	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 _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2500.0449	2569.9587	2500	2570
-20		2500.0443	2569.9561	2500	2570
-10		2500.0441	2569.9541	2500	2570
0		2500.0488	2569.9525	2500	2570
10		2500.0469	2569.9578	2500	2570
20		2500.0410	2569.9578	2500	2570
30		2500.0432	2569.9563	2500	2570
40		2500.0418	2569.9536	2500	2570
50		2500.0417	2569.9561	2500	2570
20		V min.= 3.42	2500.0409	2569.9544	2500
20	V max.= 4.18	2500.0416	2569.9504	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 _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2500.0405	2569.9545	2500	2570
-20		2500.0429	2569.9512	2500	2570
-10		2500.0403	2569.9503	2500	2570
0		2500.0476	2569.9511	2500	2570
10		2500.0488	2569.9510	2500	2570
20		2500.0499	2569.9540	2500	2570
30		2500.0478	2569.9533	2500	2570
40		2500.0461	2569.9531	2500	2570
50		2500.0494	2569.9595	2500	2570
20		V min.= 3.42	2500.0461	2569.9595	2500
20	V max.= 4.18	2500.0450	2569.9586	2500	2570

LTE Band 12:

Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	699.1389	715.7647	699	716
-20		699.1163	715.6689	699	716
-10		699.2820	715.8043	699	716
0		699.0428	715.9745	699	716
10		699.2237	715.9851	699	716
20		699.0858	715.9939	699	716
30		699.2676	715.9893	699	716
40		699.3256	715.6758	699	716
50		699.1979	715.7645	699	716
20		V min.= 3.42	699.1607	715.8477	699
20	V max.= 4.18	699.0578	715.6496	699	716

Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	699.0745	715.8395	699	716
-20		699.2272	715.9904	699	716
-10		699.2658	715.7142	699	716
0		699.1272	715.8427	699	716
10		699.2364	715.8581	699	716
20		699.1985	715.8016	699	716
30		699.2949	715.8626	699	716
40		699.0387	715.9961	699	716
50		699.0857	715.9321	699	716
20		V min.= 3.42	699.2466	715.7896	699
20	V max.= 4.18	699.3991	715.8825	699	716

LTE Band 17:

Low Channel & High Channel (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	704.0016	715.7676	704	716
-20		704.0067	715.7615	704	716
-10		704.0089	715.7615	704	716
0		704.0003	715.7693	704	716
10		704.0029	715.7667	704	716
20		704.0003	715.7607	704	716
30		704.0012	715.7631	704	716
40		704.0078	715.7665	704	716
50		704.0056	715.7667	704	716
20		V min.= 3.42	704.0023	715.7692	704
20	V max.= 4.18	704.0057	715.7635	704	716

Low Channel & High Channel (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	704.0007	715.7678	704	716
-20		704.0058	715.7691	704	716
-10		704.0061	715.7614	704	716
0		704.0075	715.7641	704	716
10		704.0038	715.7658	704	716
20		704.0047	715.7601	704	716
30		704.0063	715.7688	704	716
40		704.0003	715.7660	704	716
50		704.0014	715.7625	704	716
20		V min.= 3.42	704.0034	715.7656	704
20	V max.= 4.18	704.0033	715.7660	704	716

LTE Band 25:

f₀ =1880.0 MHz (QPSK)				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	16	0.0191	Pass
-20		17	0.0203	Pass
-10		13	0.0155	Pass
0		12	0.0143	Pass
10		15	0.0179	Pass
20		16	0.0191	Pass
30		13	0.0155	Pass
40		14	0.0167	Pass
50		18	0.0215	Pass
20	V min.= 3.42	8	0.0096	Pass
20	V max.= 4.18	14	0.0167	Pass

f₀ =1880.0 MHz (16-QAM)				
Temperature (°C)	Power Supplied (V_{DC})	Frequency Error (Hz)	Frequency Error (ppm)	Result
-30	3.8	17	0.0203	Pass
-20		14	0.0167	Pass
-10		17	0.0203	Pass
0		9	0.0108	Pass
10		15	0.0179	Pass
20		15	0.0179	Pass
30		17	0.0203	Pass
40		9	0.0108	Pass
50		17	0.0203	Pass
20	V min.= 3.42	14	0.0167	Pass
20	V max.= 4.18	18	0.0215	Pass

LTE Band 26:

Middle Channel, $f_0 = 831.5$ MHz (QPSK)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{DC})	(Hz)	(ppm)	(ppm)
-30	3.8	11	0.0132	2.5
-20		8	0.0096	2.5
-10		17	0.0203	2.5
0		16	0.0191	2.5
10		17	0.0203	2.5
20		14	0.0167	2.5
30		18	0.0215	2.5
40		14	0.0167	2.5
50		15	0.0179	2.5
20		V min.= 3.42	18	0.0215
20	V max.= 4.18	19	0.0227	2.5

Middle Channel, $f_0 = 831.5$ MHz (16-QAM)				
Temperature	Power Supplied	Frequency Error	Frequency Error	Limit
(°C)	(V _{DC})	(Hz)	(ppm)	(ppm)
-30	3.8	14	0.0167	2.5
-20		16	0.0191	2.5
-10		11	0.0132	2.5
0		7	0.0084	2.5
10		6	0.0072	2.5
20		14	0.0167	2.5
30		13	0.0155	2.5
40		16	0.0191	2.5
50		7	0.0084	2.5
20		V min.= 3.42	8	0.0096
20	V max.= 4.18	18	0.0215	2.5

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 _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2570.0416	2619.9639	2570	2620
-20		2570.0443	2619.9642	2570	2620
-10		2570.0468	2619.9636	2570	2620
0		2570.0477	2619.9601	2570	2620
10		2570.0499	2619.9615	2570	2620
20		2570.0404	2619.9692	2570	2620
30		2570.0443	2619.9609	2570	2620
40		2570.0430	2619.9652	2570	2620
50		2570.0420	2619.9645	2570	2620
20		V min.= 3.42	2570.0436	2619.9692	2570
20	V max.= 4.18	2570.0434	2619.9699	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 _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2570.0403	2619.9606	2570	2620
-20		2570.0474	2619.9683	2570	2620
-10		2570.0405	2619.9617	2570	2620
0		2570.0402	2619.9606	2570	2620
10		2570.0483	2619.9608	2570	2620
20		2570.0464	2619.9653	2570	2620
30		2570.0480	2619.9655	2570	2620
40		2570.0414	2619.9622	2570	2620
50		2570.0496	2619.9603	2570	2620
20		V min.= 3.42	2570.0423	2619.9634	2570
20	V max.= 4.18	2570.0417	2619.9610	2570	2620

LTE Band 40:

2305-2315MHz

Channel Bandwidth:10MHz (QPSK)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2305.0553	2314.9591	2305	2315
-20		2305.0503	2314.9582	2305	2315
-10		2305.0594	2314.9554	2305	2315
0		2305.0504	2314.9503	2305	2315
10		2305.0550	2314.9592	2305	2315
20		2305.0600	2314.9543	2305	2315
30		2305.0570	2314.9508	2305	2315
40		2305.0507	2314.9518	2305	2315
50		2305.0534	2314.9557	2305	2315
20		V min.= 3.42	2305.0523	2314.9530	2305
20	V max.= 4.18	2305.0582	2314.9538	2305	2315

Channel Bandwidth:10MHz (16-QAM)					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2305.0589	2314.9558	2305	2315
-20		2305.0501	2314.9516	2305	2315
-10		2305.0568	2314.9573	2305	2315
0		2305.0579	2314.9550	2305	2315
10		2305.0517	2314.9515	2305	2315
20		2305.0561	2314.9575	2305	2315
30		2305.0586	2314.9520	2305	2315
40		2305.0571	2314.9575	2305	2315
50		2305.0517	2314.9598	2305	2315
20		V min.= 3.42	2305.0513	2314.9586	2305
20	V max.= 4.18	2305.0573	2314.9588	2305	2315

2350-2360MHz

Channel Bandwidth:10MHz (QPSK)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2350.0551	2359.9579	2350	2360
-20		2350.0528	2359.9595	2350	2360
-10		2350.0537	2359.9508	2350	2360
0		2350.0529	2359.9593	2350	2360
10		2350.0558	2359.9573	2350	2360
20		2350.0595	2359.9578	2350	2360
30		2350.0567	2359.9573	2350	2360
40		2350.0557	2359.9535	2350	2360
50		2350.0552	2359.9594	2350	2360
20		V min.= 3.42	2350.0591	2359.9521	2350
20	V max.= 4.18	2350.0570	2359.9570	2350	2360

Channel Bandwidth:10MHz (16-QAM)					
Temperature	Power Supplied	F_L	F_H	F_L Limit	F_H Limit
(°C)	(V_{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2350.0575	2359.9581	2350	2360
-20		2350.0504	2359.9537	2350	2360
-10		2350.0507	2359.9511	2350	2360
0		2350.0541	2359.9523	2350	2360
10		2350.0530	2359.9597	2350	2360
20		2350.0546	2359.9551	2350	2360
30		2350.0518	2359.9557	2350	2360
40		2350.0587	2359.9589	2350	2360
50		2350.0514	2359.9542	2350	2360
20		V min.= 3.42	2350.0566	2359.9571	2350
20	V max.= 4.18	2350.0501	2359.9590	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 _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2555.0556	2654.9538	2555	2655
-20		2555.0550	2654.9513	2555	2655
-10		2555.0516	2654.9529	2555	2655
0		2555.0508	2654.9589	2555	2655
10		2555.0556	2654.9542	2555	2655
20		2555.0504	2654.9526	2555	2655
30		2555.0591	2654.9568	2555	2655
40		2555.0561	2654.9573	2555	2655
50		2555.0552	2654.9508	2555	2655
20		V min.= 3.42	2555.0557	2654.9549	2555
20	V max.= 4.18	2555.0568	2654.9524	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 _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	2555.0589	2654.9580	2555	2655
-20		2555.0575	2654.9568	2555	2655
-10		2555.0549	2654.9526	2555	2655
0		2555.0534	2654.9566	2555	2655
10		2555.0559	2654.9551	2555	2655
20		2555.0548	2654.9552	2555	2655
30		2555.0575	2654.9593	2555	2655
40		2555.0550	2654.9539	2555	2655
50		2555.0535	2654.9596	2555	2655
20		V min.= 3.42	2555.0585	2654.9539	2555
20	V max.= 4.18	2555.0507	2654.9524	2555	2655

LTE Band 66:

Low Channel & High Channel (QPSK) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	1710.3084	1779.8528	1710	1780
-20		1710.1568	1779.6455	1710	1780
-10		1710.3777	1779.6378	1710	1780
0		1710.2150	1779.7302	1710	1780
10		1710.3983	1779.8041	1710	1780
20		1710.1486	1779.6540	1710	1780
30		1710.3324	1779.8900	1710	1780
40		1710.0226	1779.6564	1710	1780
50		1710.3603	1779.7889	1710	1780
20		V min.= 3.42	1710.0901	1779.7330	1710
20	V max.= 4.18	1710.3713	1779.9420	1710	1780

Low Channel & High Channel (16-QAM) /Channel Bandwidth:20MHz					
Temperature	Power Supplied	F _L	F _H	F _L Limit	F _H Limit
(°C)	(V _{DC})	(MHz)	(MHz)	(MHz)	(MHz)
-30	3.8	1710.1268	1779.8090	1710	1780
-20		1710.3717	1779.9497	1710	1780
-10		1710.1695	1779.7702	1710	1780
0		1710.2809	1779.7619	1710	1780
10		1710.2543	1779.8056	1710	1780
20		1710.3048	1779.9417	1710	1780
30		1710.0889	1779.7344	1710	1780
40		1710.3745	1779.6850	1710	1780
50		1710.3126	1779.8461	1710	1780
20		V min.= 3.42	1710.1582	1779.9074	1710
20	V max.= 4.18	1710.3015	1779.6364	1710	1780

Declarations

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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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