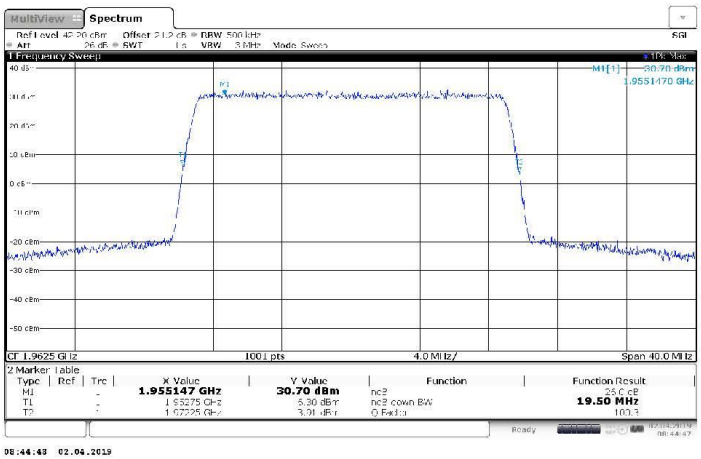

Figure 25 Occupied Bandwidth – 64QAM (1962.5 MHz) (20MHz Channel BW)

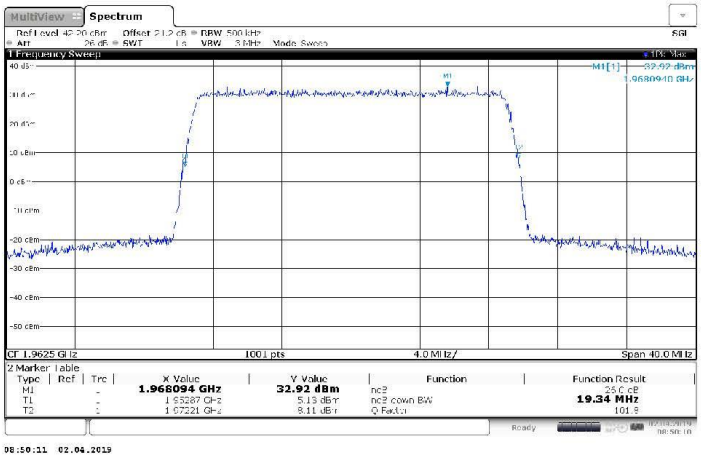

Figure 26 Occupied Bandwidth – 256QAM (1962.5 MHz) (20MHz Channel BW)

5.2.3. Test No. 4: Spurious Emissions at the Antenna Terminals

Screenshots of highest power and emission antenna in this unit it was antenna port 1. The external attenuation (connection loss of the set up) is already added in the results. Limit line is set fixed to level -19.02dB.

Config A ANT1:

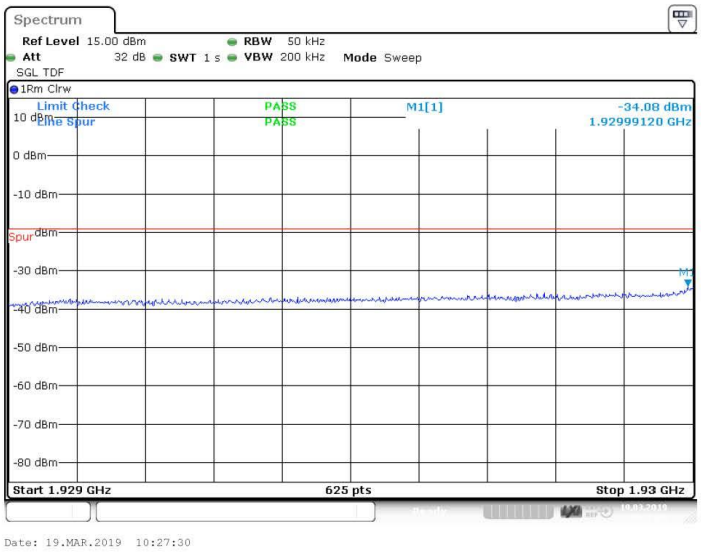

Figure 27 Spurious Emissions (Lower Band Edge) – QPSK (1932.5 MHz) (5MHz Channel BW)

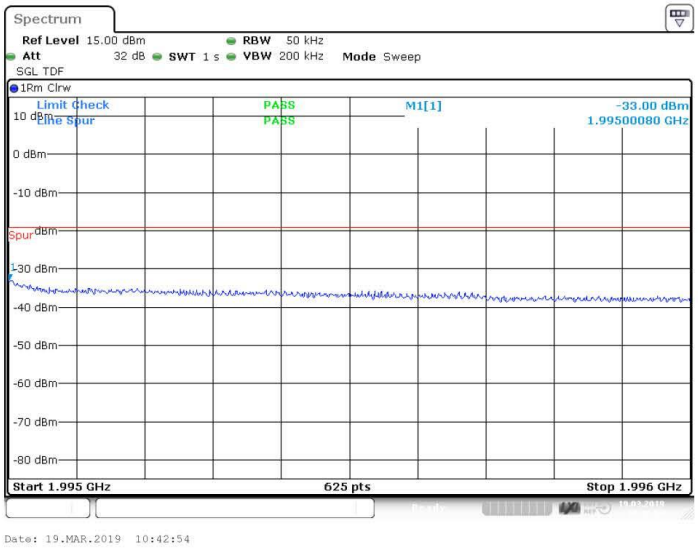

Figure 28 Spurious Emissions (Upper Band Edge) – QPSK (1992.5 MHz) (5MHz Channel BW)

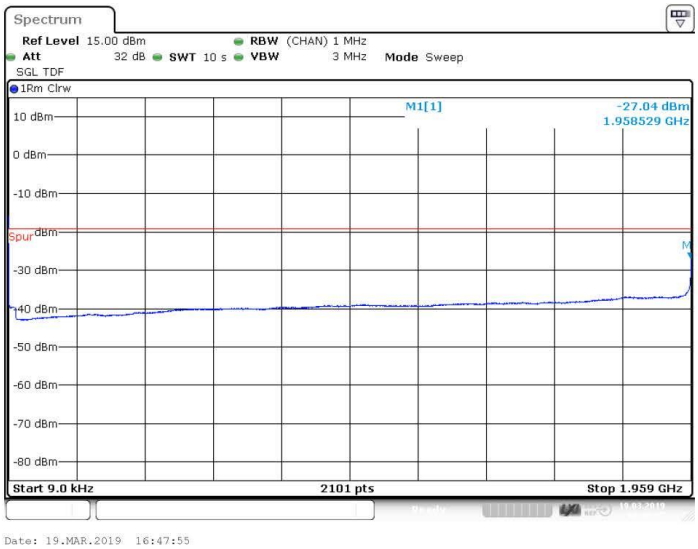

Figure 29 Spurious Emissions (9kHz – 1959Hz) - QPSK (1962.5MHz) (5MHz Channel BW)

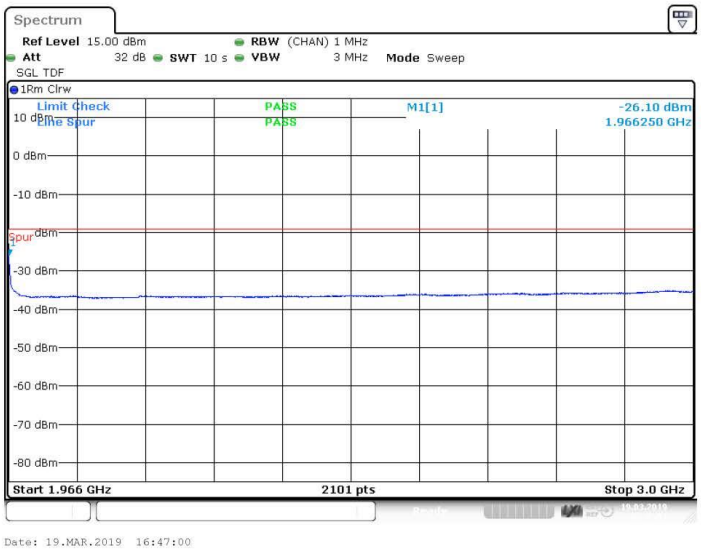

Figure 30 Spurious Emissions (1966MHz – 3GHz) - QPSK (1962.5MHz) (5MHz Channel BW)

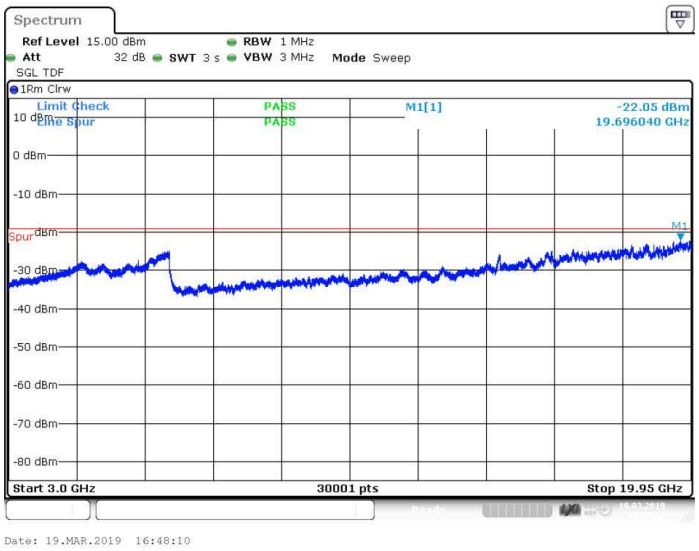

Figure 31 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1962.5 MHz) (5MHz Channel BW)

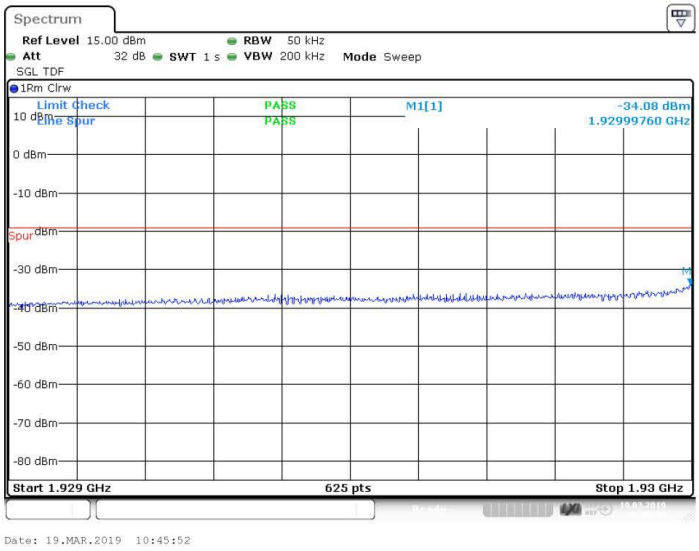

Figure 32 Spurious Emissions (Lower Band Edge) – 16QAM (1932.5 MHz) (5MHz Channel BW)

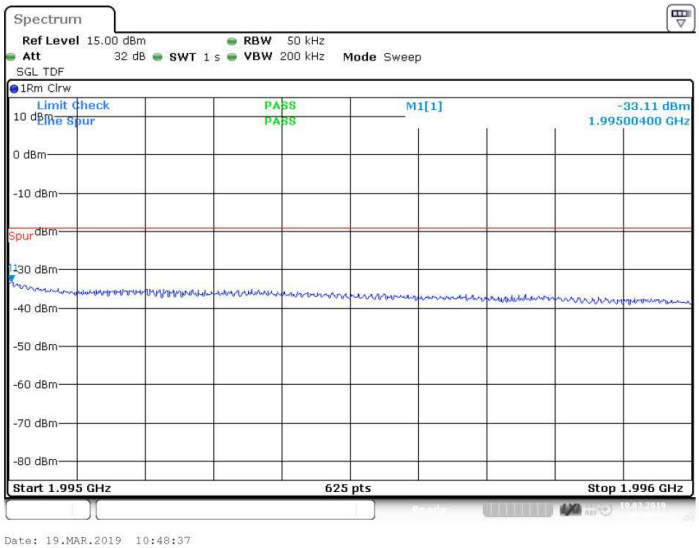

Figure 33 Spurious Emissions (Upper Band Edge) – 16QAM (1992.5 MHz) (5MHz Channel BW)

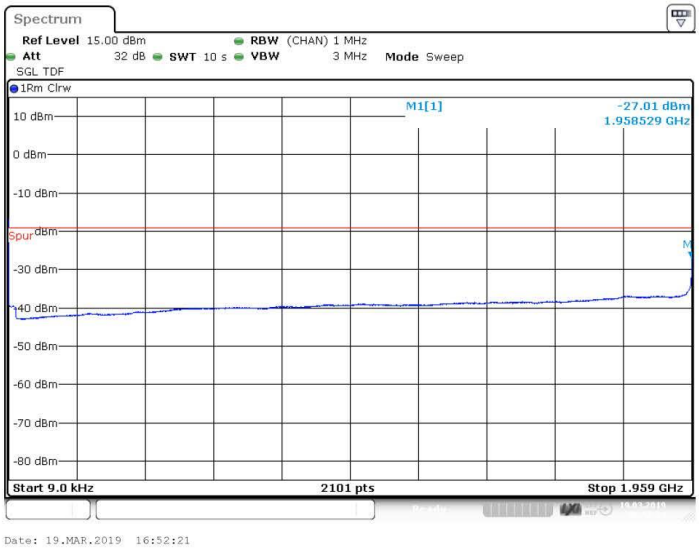

Figure 34 Spurious Emissions (9kHz – 1959MHz) – 16QAM (1962.5 MHz) (5MHz Channel BW)

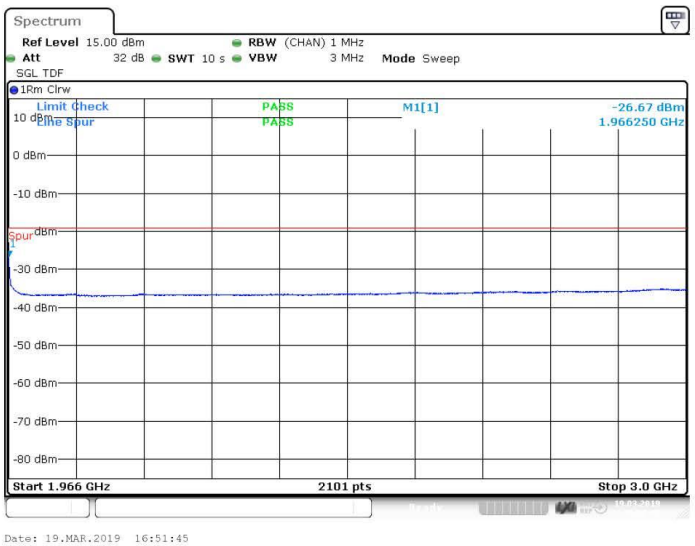

Figure 35 Spurious Emissions (1966MHz – 3GHz) – 16QAM (1962.5 MHz) (5MHz Channel BW)

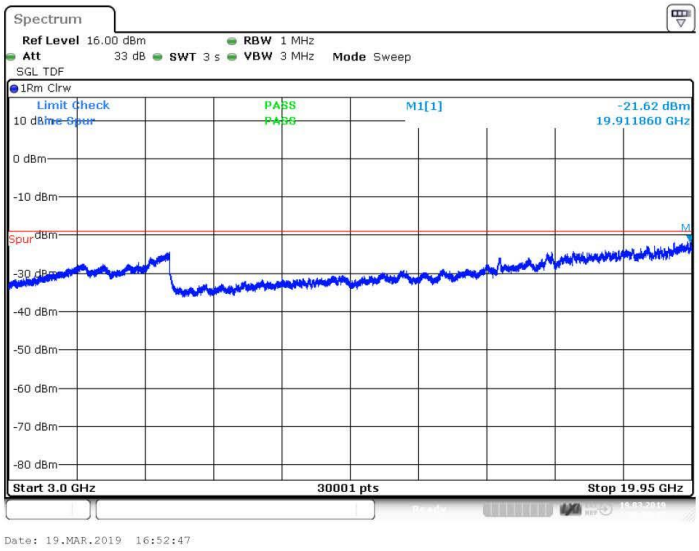

Figure 36 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (5MHz Channel BW)

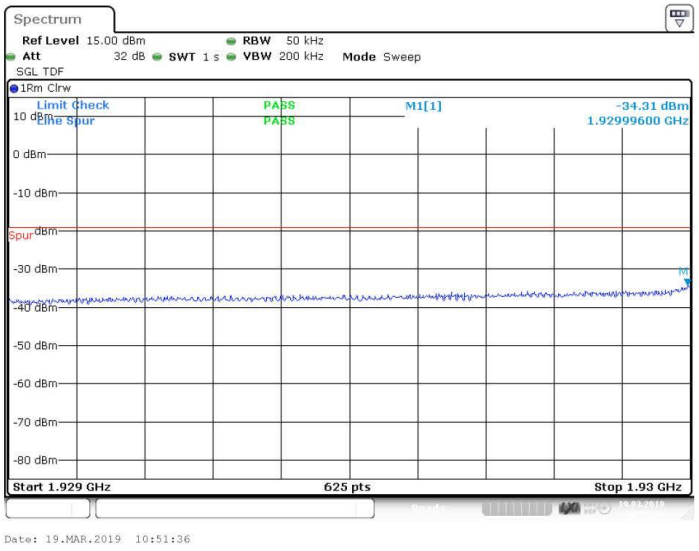

Figure 37 Spurious Emissions (Lower Band Edge) – 64QAM (1932.5 MHz) (5MHz Channel BW)

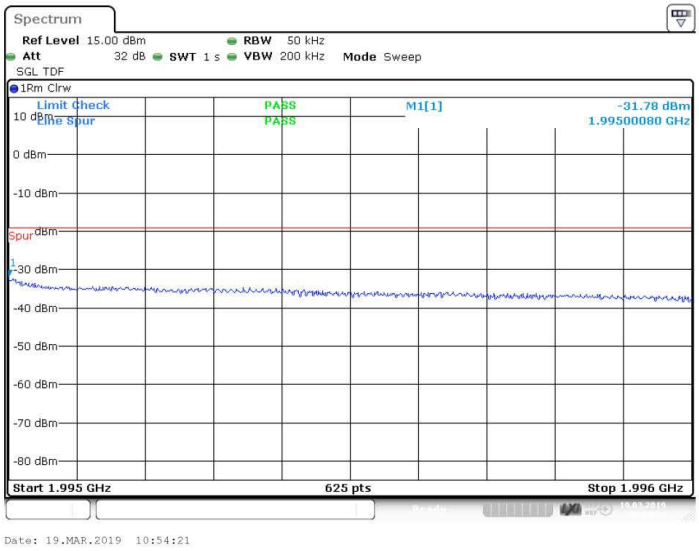

Figure 38 Spurious Emissions (Upper Band Edge) – 64QAM (1992.5 MHz) (5MHz Channel BW)

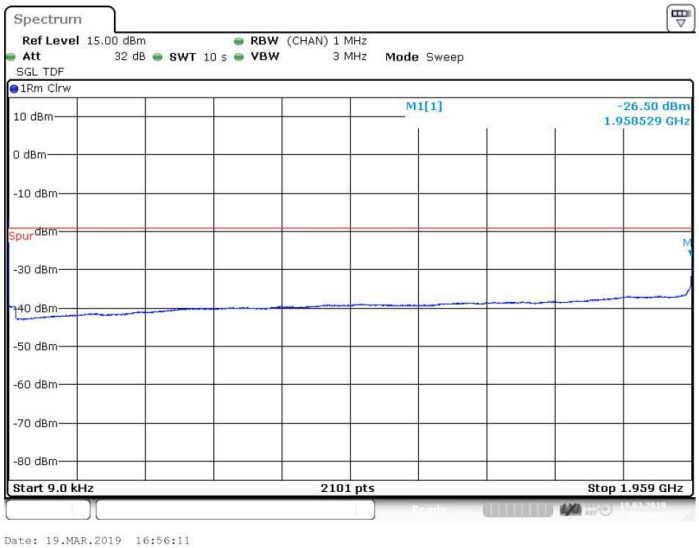

Figure 39 Spurious Emissions (9kHz – 1959MHz) – 64QAM (1962.5 MHz) (5MHz Channel BW)

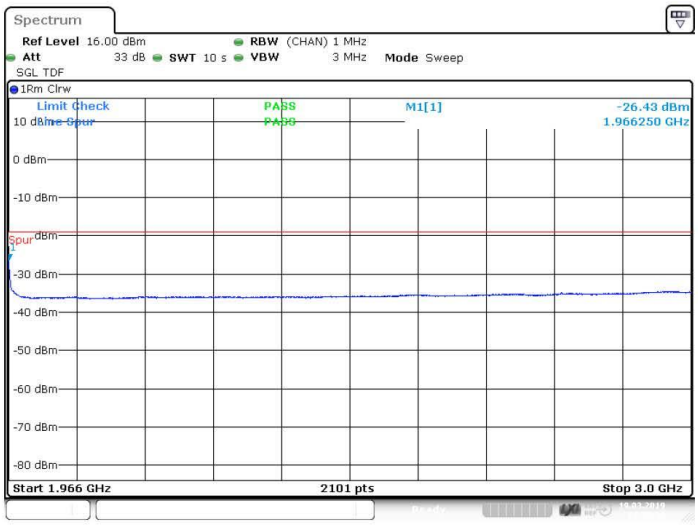

Figure 40 Spurious Emissions (1966MHz – 3GHz) – 64QAM (1962.5 MHz) (5MHz Channel BW)

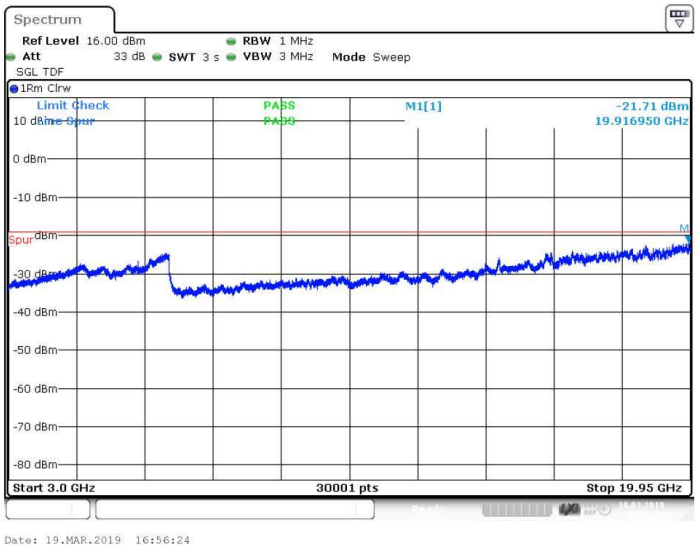

Figure 41 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1962.5 MHz) (5MHz Channel BW)

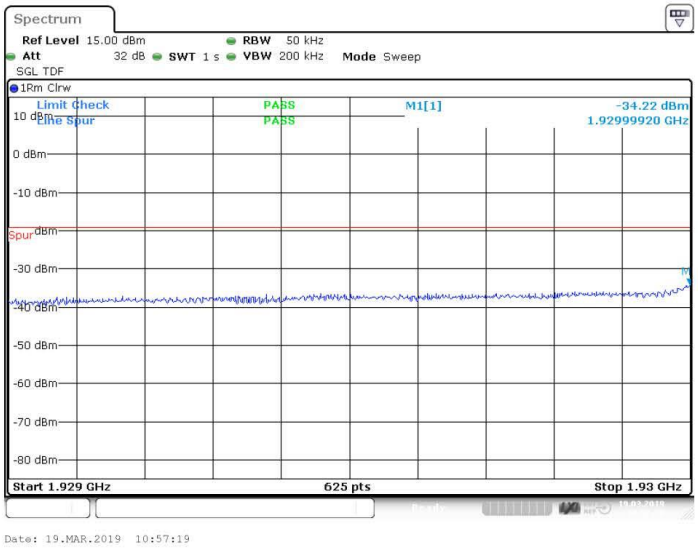

Figure 42 Spurious Emissions (Lower Band Edge) – 256QAM (1932.5 MHz) (5MHz Channel BW)

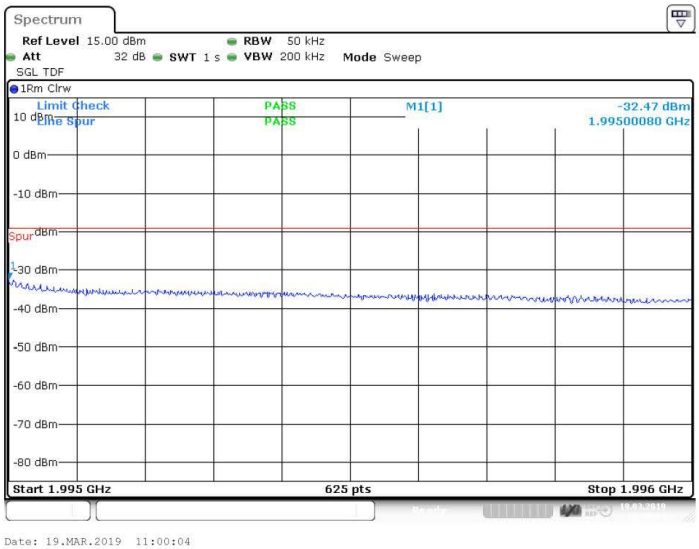

Figure 43 Spurious Emissions (Upper Band Edge) – 256QAM (1992.5 MHz) (5MHz Channel BW)

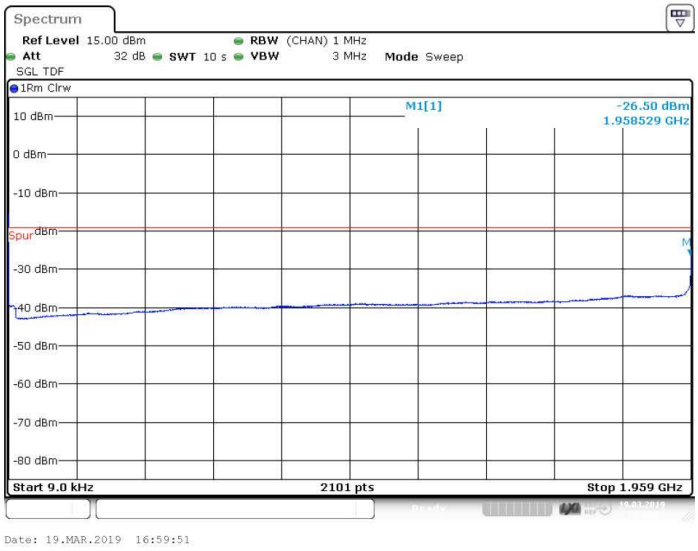

Figure 44 Spurious Emissions (9kHz – 1959MHz) – 256QAM (1962.5 MHz) (5MHz Channel BW)

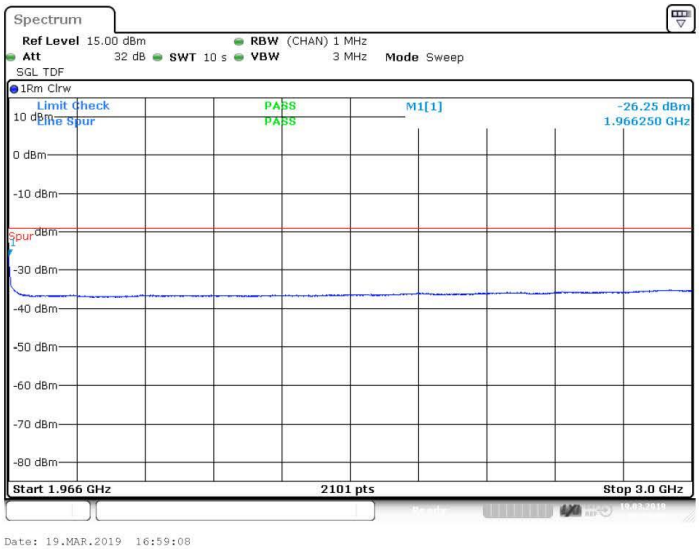

Figure 45 Spurious Emissions (1966MHz – 3GHz) – 256QAM (1962.5 MHz) (5MHz Channel BW)

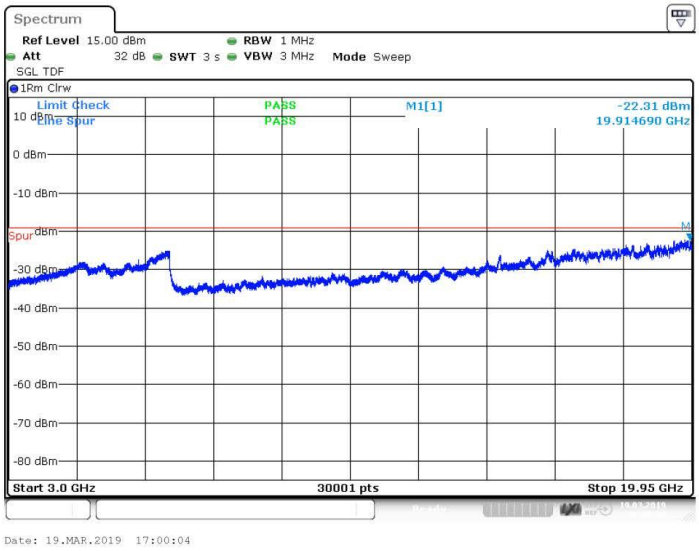

Figure 46 Spurious Emissions (3GHz – 19.950GHz) – 256QAM (1962.5 MHz) (5MHz Channel BW)

Config B ANT1:

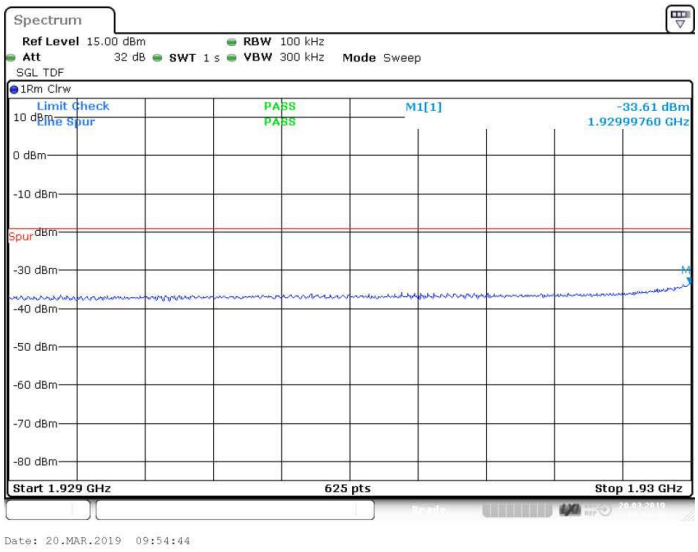

Figure 47 Spurious Emissions (Lower Band Edge) – QPSK (1935.0 MHz) (10MHz Channel BW)

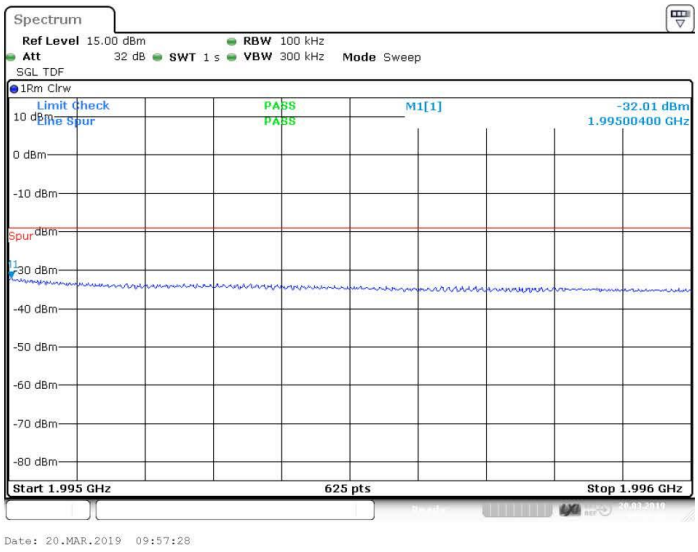

Figure 48 Spurious Emissions (Upper Band Edge) – QPSK (1990.0 MHz) (10MHz Channel BW)

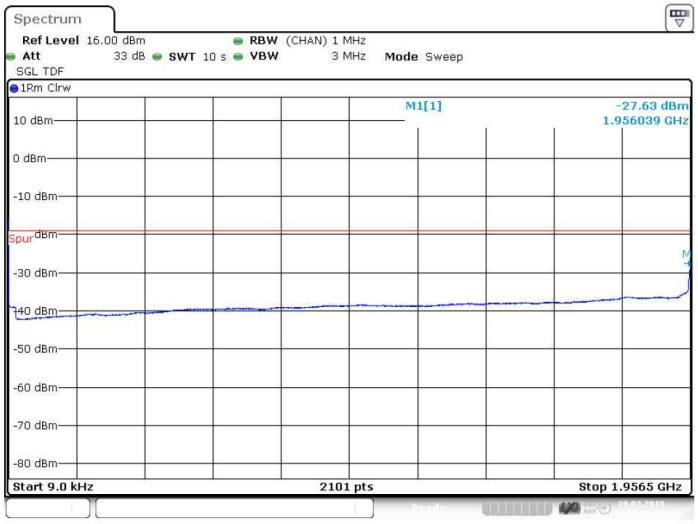

Figure 49 Spurious Emissions (9kHz – 1956.5MHz) - QPSK (1962.5 MHz) (10MHz Channel BW)

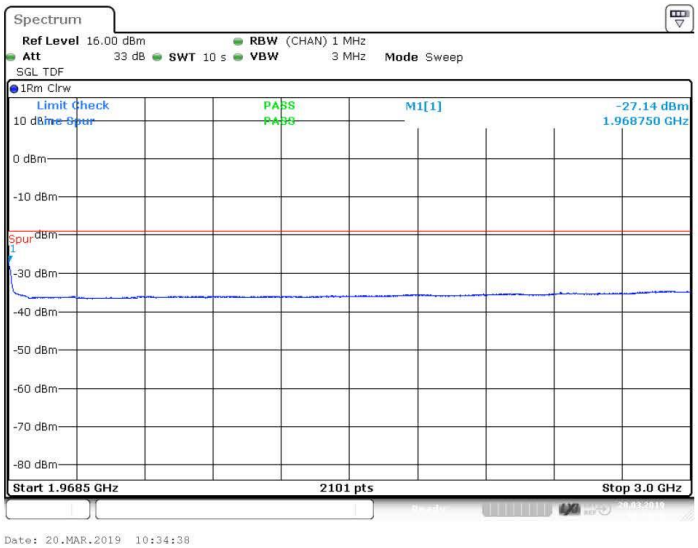

Figure 50 Spurious Emissions (1968.5MHz – 3GHz) – QPSK (1962.5 MHz) (10MHz Channel BW)

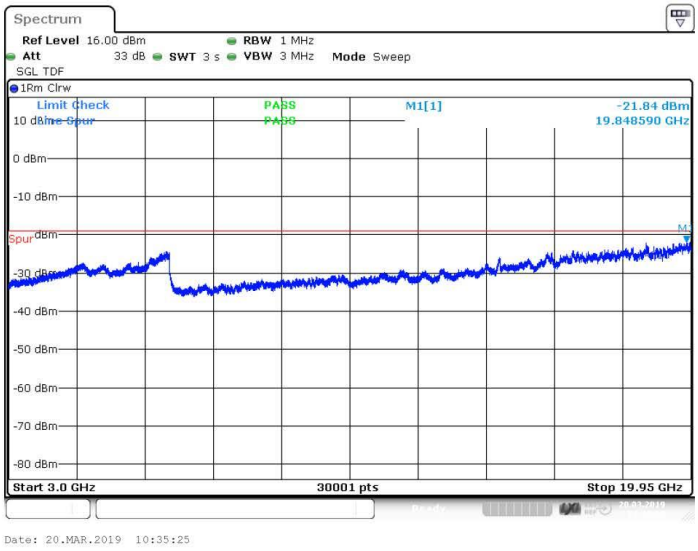

Figure 51 Spurious Emissions (3GHz – 19.950GHz) – QPSK (1962.5 MHz) (10MHz Channel BW)

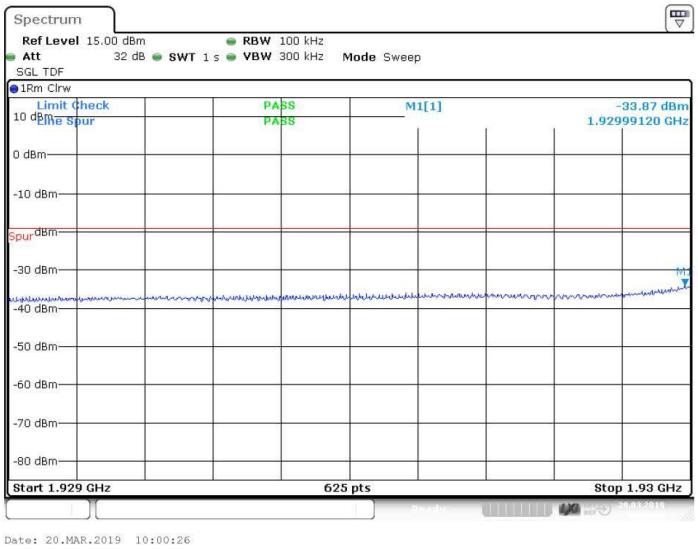

Figure 52 Spurious Emissions (Lower Band Edge) – 16QAM (1935.0 MHz) (10MHz Channel BW)

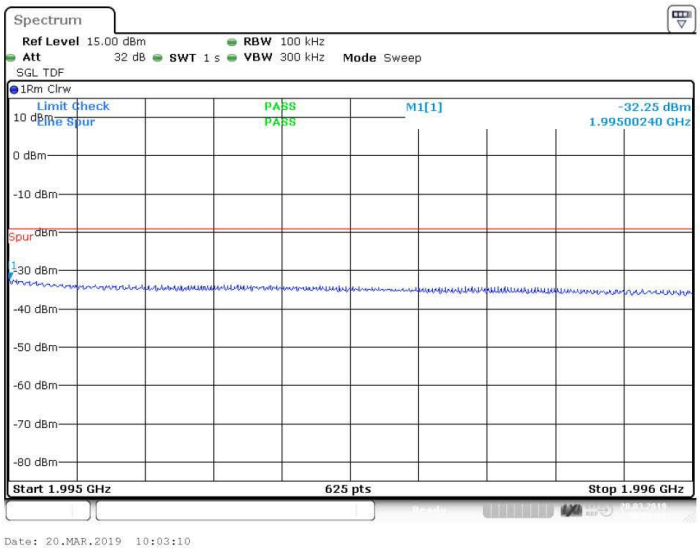

Figure 53 Spurious Emissions (Upper Band Edge) – 16QAM (1990.0 MHz) (10MHz Channel BW)

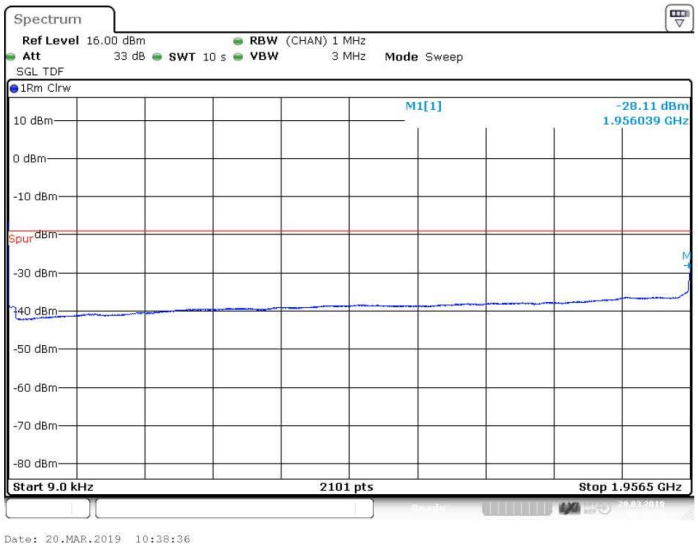

Figure 54 Spurious Emissions (9kHz – 1956.5Hz) – 16QAM (1962.5 MHz) (10MHz Channel BW)

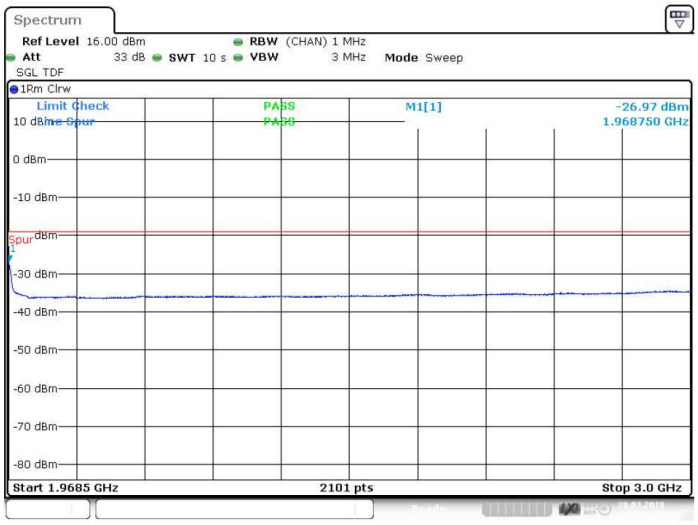

Figure 55 Spurious Emissions (1968.5Hz – 3GHz) – 16QAM (1962.5 MHz) (10MHz Channel BW)

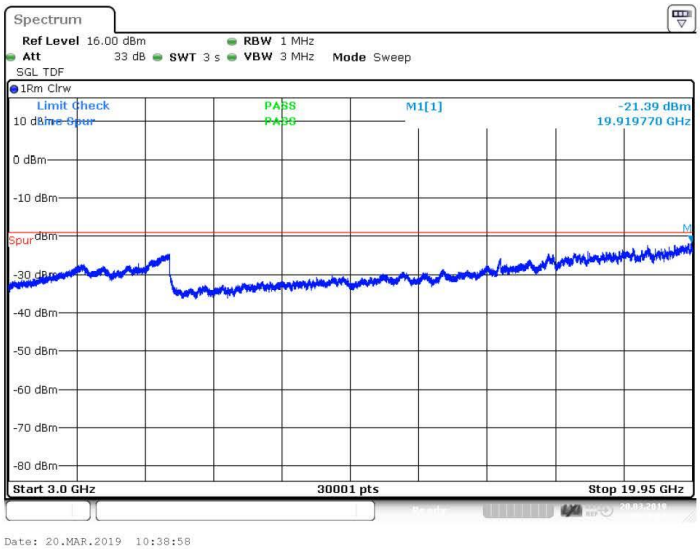

Figure 56 Spurious Emissions (3GHz – 19.950GHz) – 16QAM (1962.5 MHz) (10MHz Channel BW)

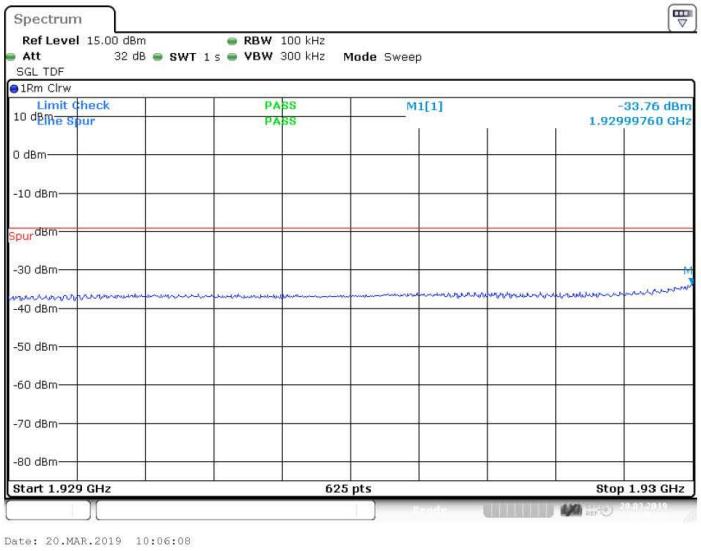

Figure 57 Spurious Emissions (Lower Band Edge) – 64QAM (1935.0 MHz) (10MHz Channel BW)

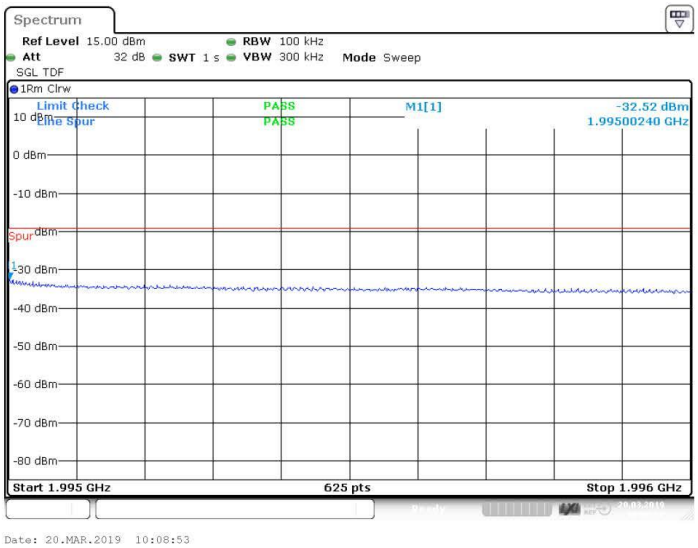

Figure 58 Spurious Emissions (Upper Band Edge) – 64QAM (1990.0 MHz) (10MHz Channel BW)

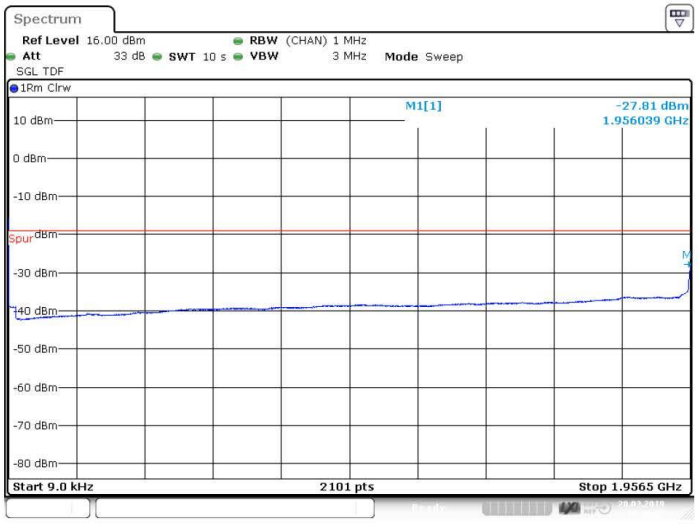

Figure 59 Spurious Emissions (9kHz – 1956.5MHz) – 64QAM (1962.5 MHz) (10MHz Channel BW)

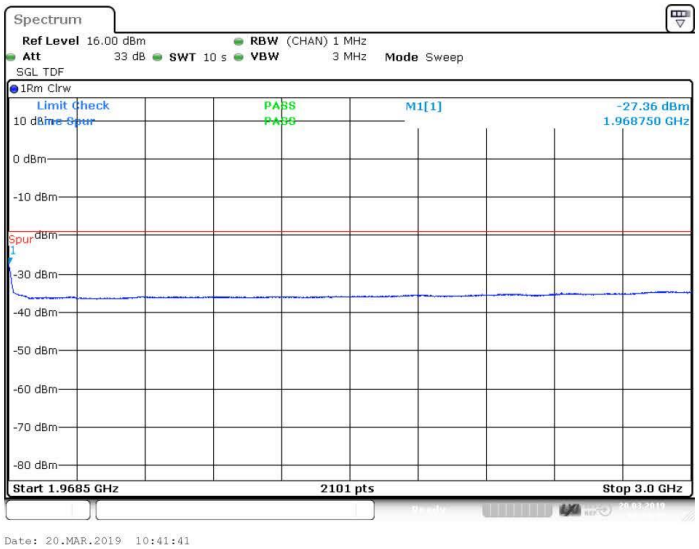

Figure 60 Spurious Emissions (1968.5MHz – 3GHz) – 64QAM (1962.5 MHz) (10MHz Channel BW)

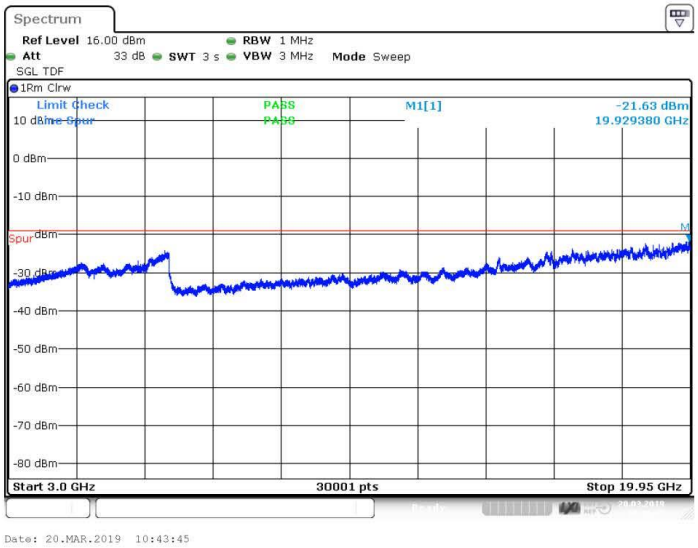

Figure 61 Spurious Emissions (3GHz – 19.950GHz) – 64QAM (1962.5 MHz) (10MHz Channel BW)

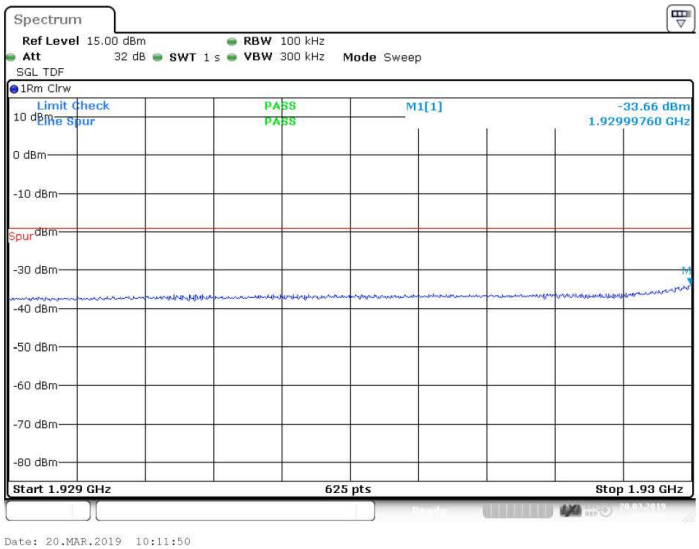

Figure 62 Spurious Emissions (Lower Band Edge) – 256QAM (1935.0 MHz) (10MHz Channel BW)

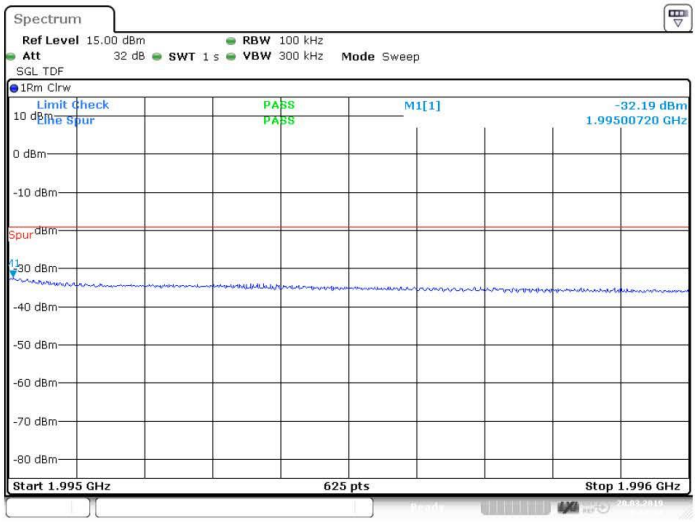

Figure 63 Spurious Emissions (Upper Band Edge) – 256QAM (1990.0 MHz) (10MHz Channel BW)

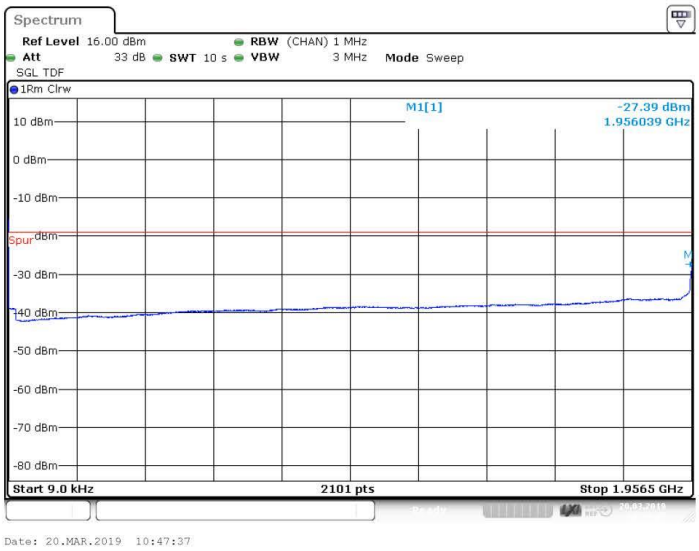

Figure 64 Spurious Emissions (9kHz – 1956.5MHz) – 256QAM (1962.5 MHz) (10MHz Channel BW)

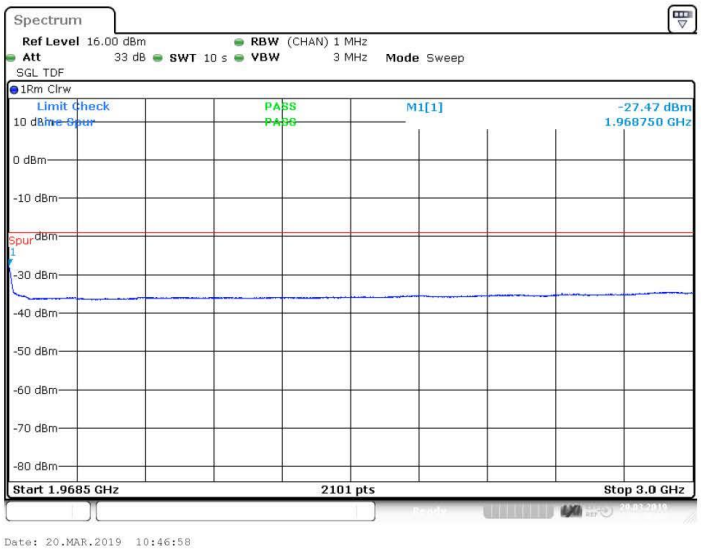

Figure 65 Spurious Emissions (1986.5Hz – 3GHz) – 256QAM (1962.5 MHz) (10MHz Channel BW)

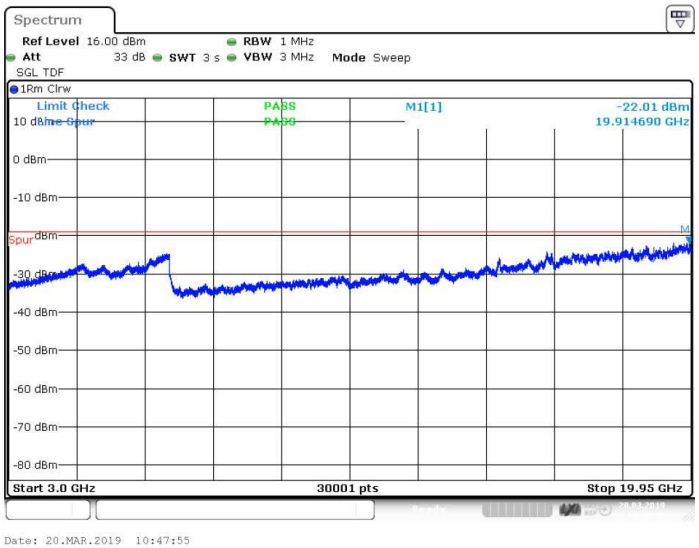

Figure 66 Spurious Emissions (3GHz – 19.950GHz) – 256QAM (1962.5 MHz) (10MHz Channel BW)

Config C ANT1:

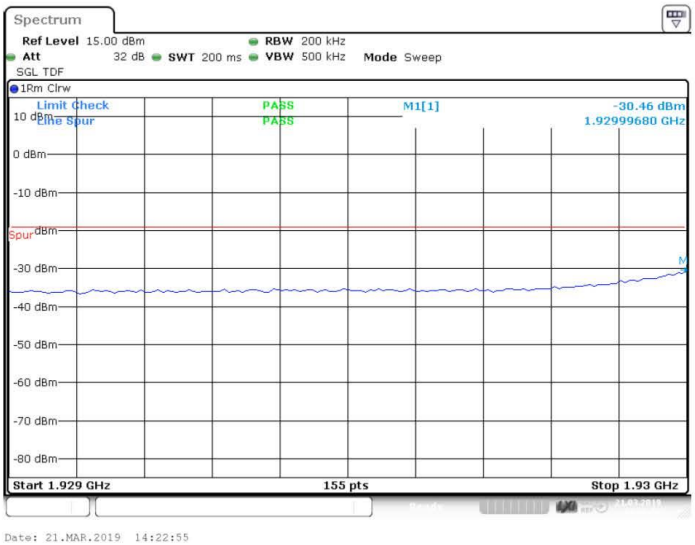

Figure 67 Spurious Emissions (Lower Band Edge) – QPSK (1937.5 MHz) (15MHz Channel BW)

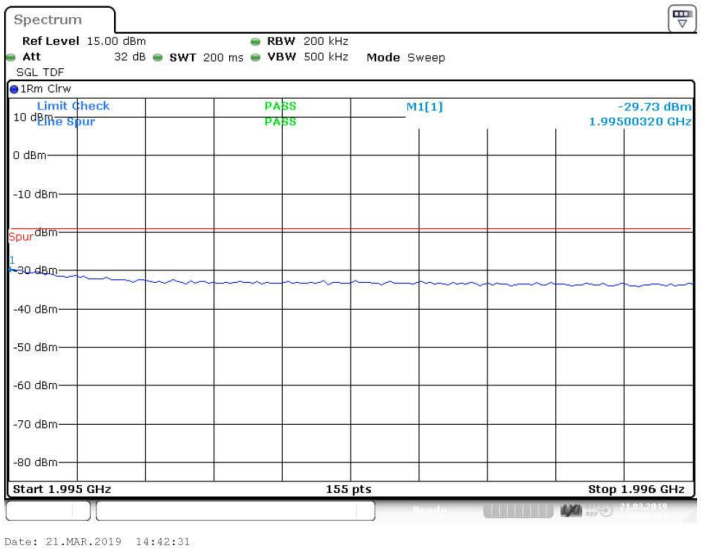

Figure 68 Spurious Emissions (Upper Band Edge) – QPSK (1987.5 MHz) (15MHz Channel BW)