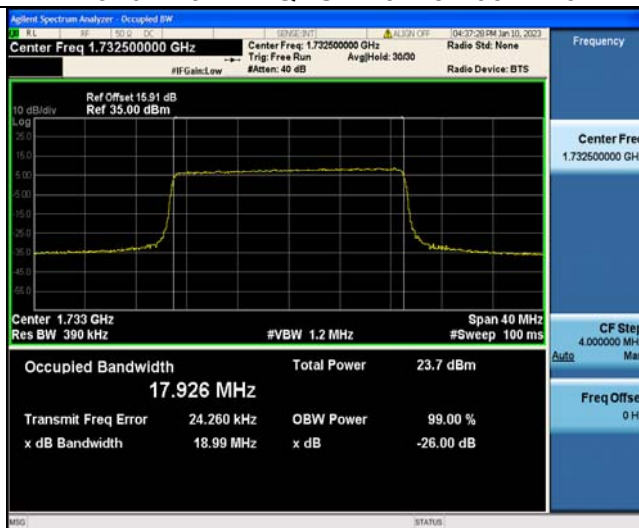




Band4-20MHz-QPSK-20050-100RB#0



Band4-20MHz-QPSK-20175-100RB#0



Band4-20MHz-QPSK-20300-100RB#0





Band4-20MHz-16QAM-20050-100RB#0

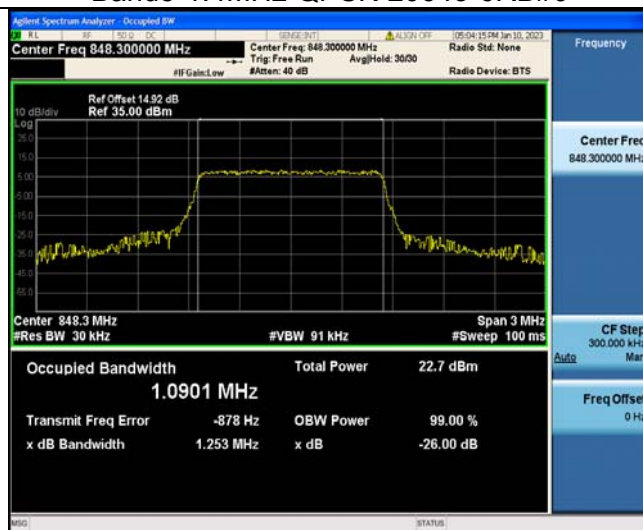


Band4-20MHz-16QAM-20175-100RB#0



Band4-20MHz-16QAM-20300-100RB#0





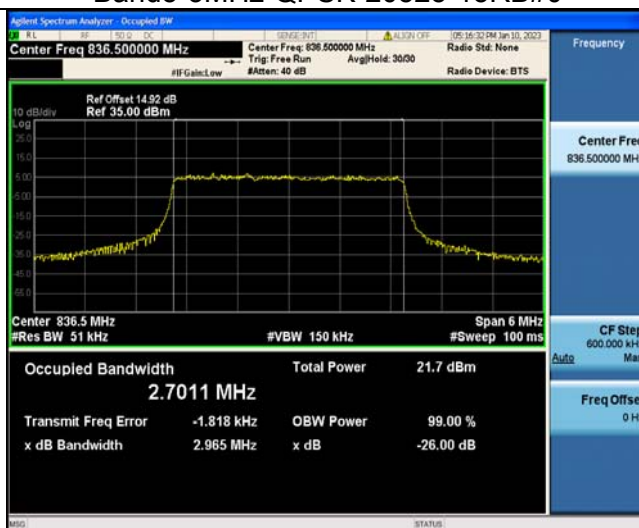




Band5-3MHz-QPSK-20415-15RB#0



Band5-3MHz-QPSK-20525-15RB#0



Band5-3MHz-QPSK-20635-15RB#0







Band5-5MHz-QPSK-20425-25RB#0



Band5-5MHz-QPSK-20525-25RB#0



Band5-5MHz-QPSK-20625-25RB#0





Band5-5MHz-16QAM-20425-25RB#0



Band5-5MHz-16QAM-20525-25RB#0



Band5-5MHz-16QAM-20625-25RB#0





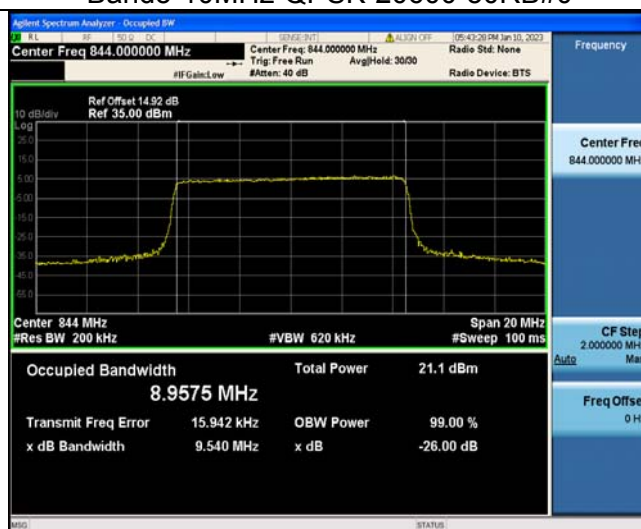
Band5-10MHz-QPSK-20450-50RB#0



Band5-10MHz-QPSK-20525-50RB#0



Band5-10MHz-QPSK-20600-50RB#0







Band7-5MHz-16QAM-20775-25RB#0



Band7-5MHz-16QAM-21100-25RB#0



Band7-5MHz-16QAM-21425-25RB#0





Band7-10MHz-QPSK-20800-50RB#0



Band7-10MHz-QPSK-21100-50RB#0



Band7-10MHz-QPSK-21400-50RB#0









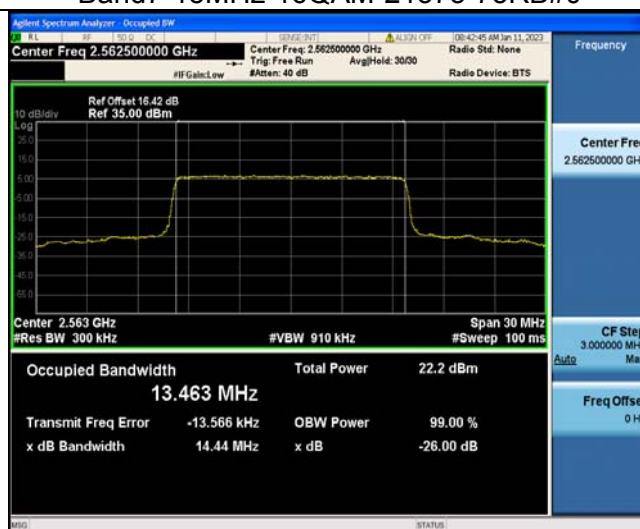
Band7-15MHz-16QAM-20825-75RB#0



Band7-15MHz-16QAM-21100-75RB#0



Band7-15MHz-16QAM-21375-75RB#0





Band7-20MHz-QPSK-20850-100RB#0



Band7-20MHz-QPSK-21100-100RB#0



Band7-20MHz-QPSK-21350-100RB#0





Band7-20MHz-16QAM-20850-100RB#0



Band7-20MHz-16QAM-21100-100RB#0



Band7-20MHz-16QAM-21350-100RB#0







Band12-1.4MHz-16QAM-23017-6RB#0



Band12-1.4MHz-16QAM-23095-6RB#0



Band12-1.4MHz-16QAM-23173-6RB#0

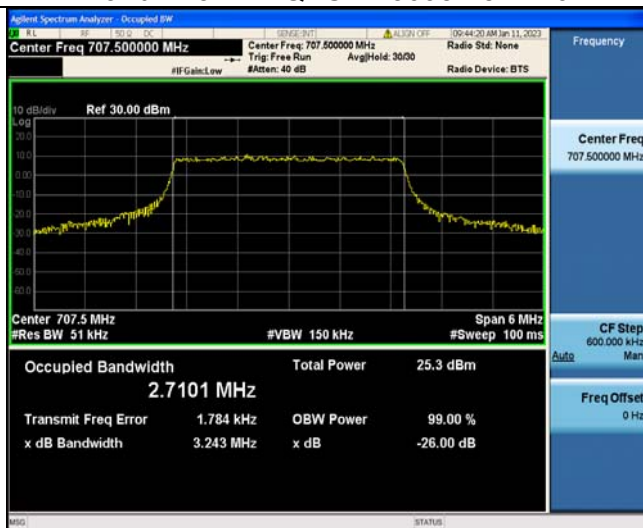




Band12-3MHz-QPSK-23025-15RB#0



Band12-3MHz-QPSK-23095-15RB#0



Band12-3MHz-QPSK-23165-15RB#0







Band12-5MHz-QPSK-23035-25RB#0



Band12-5MHz-QPSK-23095-25RB#0



Band12-5MHz-QPSK-23155-25RB#0





Band12-5MHz-16QAM-23035-25RB#0



Band12-5MHz-16QAM-23095-25RB#0



Band12-5MHz-16QAM-23155-25RB#0





Band12-10MHz-QPSK-23060-50RB#0



Band12-10MHz-QPSK-23095-50RB#0



Band12-10MHz-QPSK-23130-50RB#0





Band12-10MHz-16QAM-23060-50RB#0



Band12-10MHz-16QAM-23095-50RB#0



Band12-10MHz-16QAM-23130-50RB#0



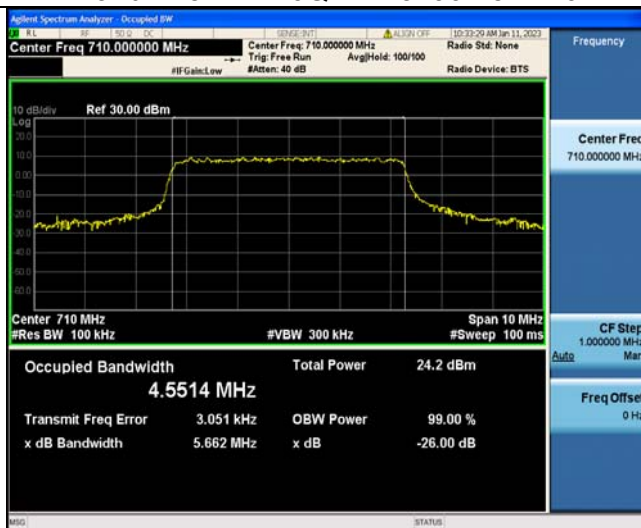




Band17-5MHz-16QAM-23755-25RB#0



Band17-5MHz-16QAM-23790-25RB#0



Band17-5MHz-16QAM-23825-25RB#0







Band17-10MHz-16QAM-23780-50RB#0



Band17-10MHz-16QAM-23790-50RB#0



Band17-10MHz-16QAM-23800-50RB#0





5.5 Spurious emissions at antenna terminal

5.5.1 Limit

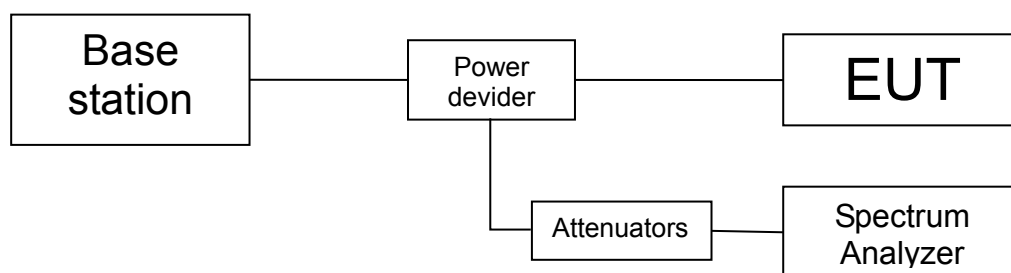
The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10}(P)$ dB (-13 dBm).

Band7: For mobile digital stations, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.

5.5.2 Test procedure

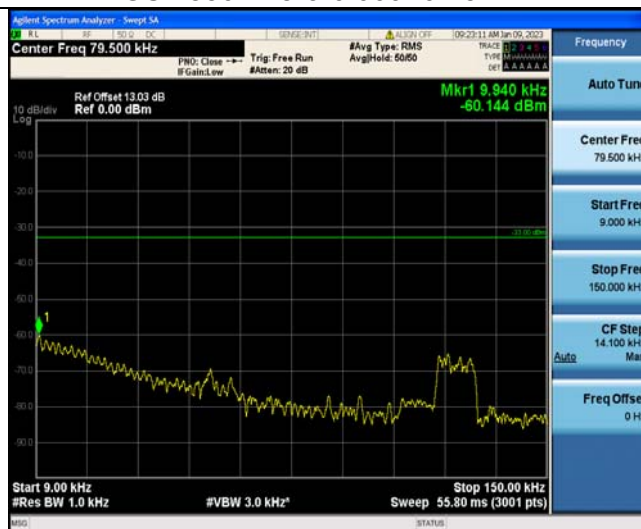
1. The RF output of the transceiver was connected to a spectrum analyzer through appropriate attenuation.
2. The resolution bandwidth of the spectrum analyzer was set at 100 kHz when below 1GHz, 1MHz when above 1 GHz; sufficient scans were taken to show the out of band Emissions if any up to 10th harmonic.
3. For the out of band: Set the RBW=100 kHz, VBW=300 kHz when below 1 GHz, RBW =1 MHz, VBW=3 MHz when above 1 GHz, Start=30MHz, Stop= 10th harmonic.
4. Band Edge Requirements: In the 1 MHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to measure the out of band Emissions.

5.5.3 Test setup

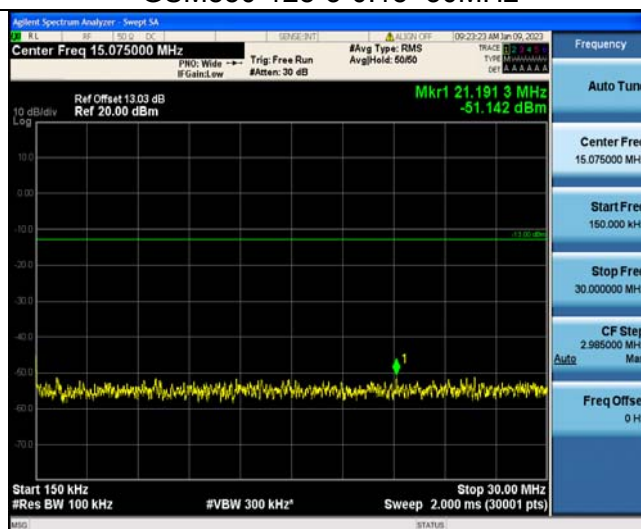


5.5.4 Test results

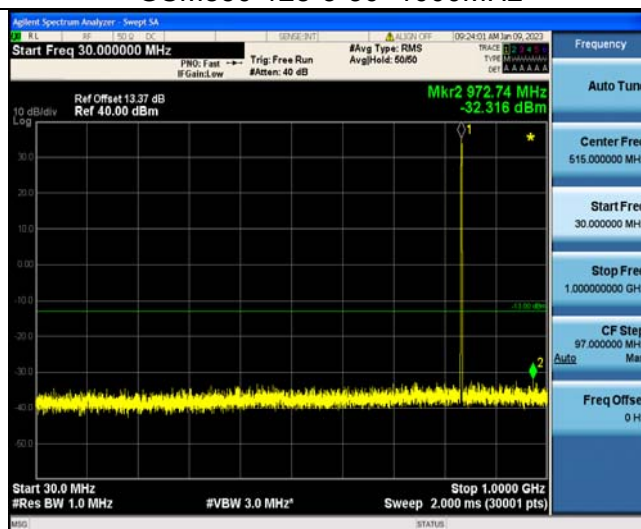
GSM850-128-3-0.009~0.15MHz



GSM850-128-3-0.15~30MHz



GSM850-128-3-30~1000MHz





GSM850-128-3-1000~3000MHz



GSM850-128-3-3000~10000MHz

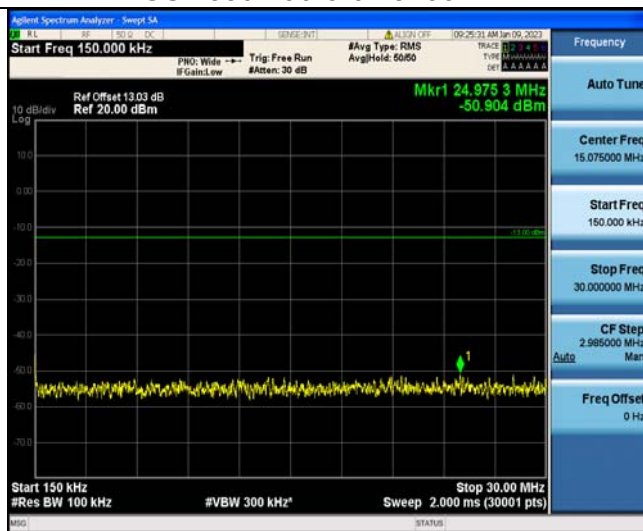


GSM850-190-3-0.009~0.15MHz

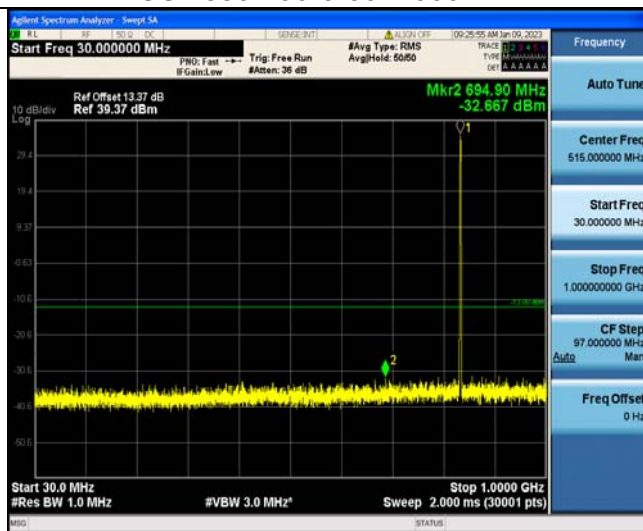




GSM850-190-3-0.15~30MHz



GSM850-190-3-30~1000MHz



GSM850-190-3-1000~3000MHz





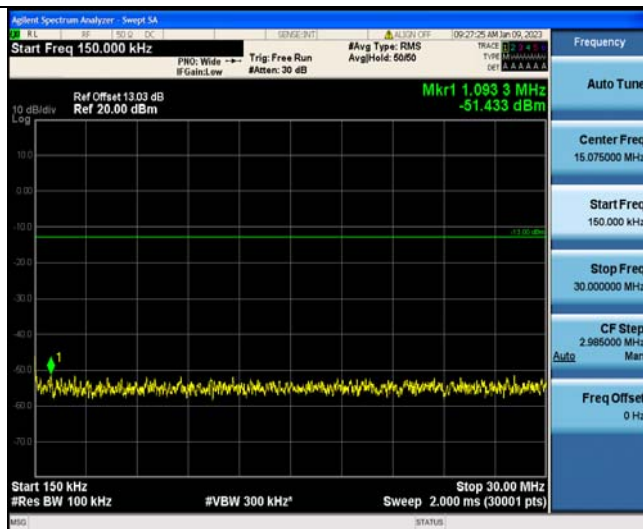
GSM850-190-3-3000~10000MHz



GSM850-251-3-0.009~0.15MHz

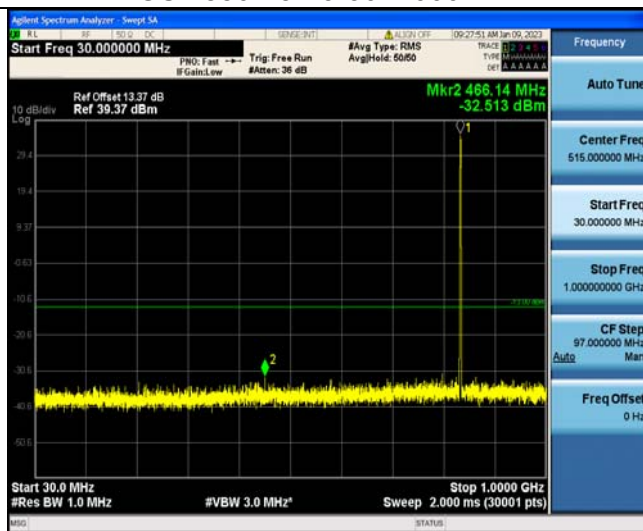


GSM850-251-3-0.15~30MHz





GSM850-251-3-30~1000MHz



GSM850-251-3-1000~3000MHz

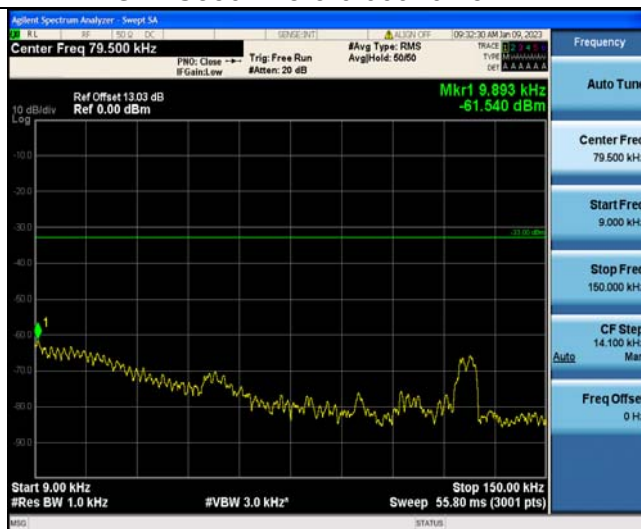


GSM850-251-3-3000~10000MHz

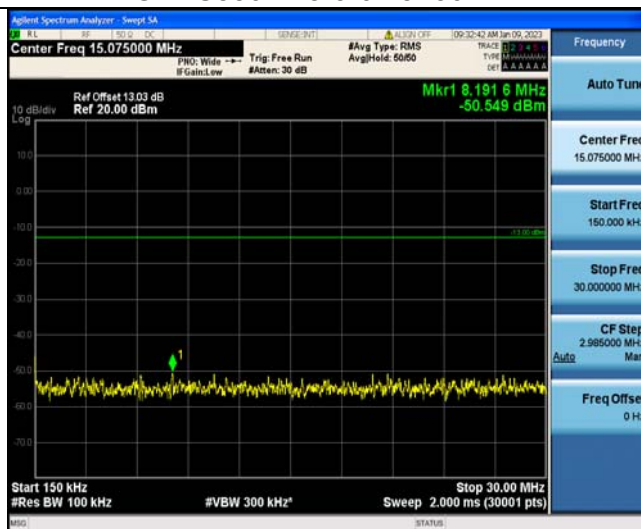




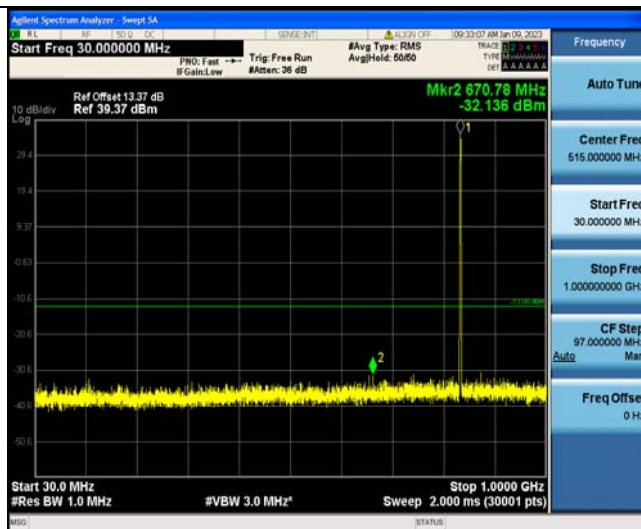
GPRS850-128-3-0.009~0.15MHz



GPRS850-128-3-0.15~30MHz



GPRS850-128-3-30~1000MHz





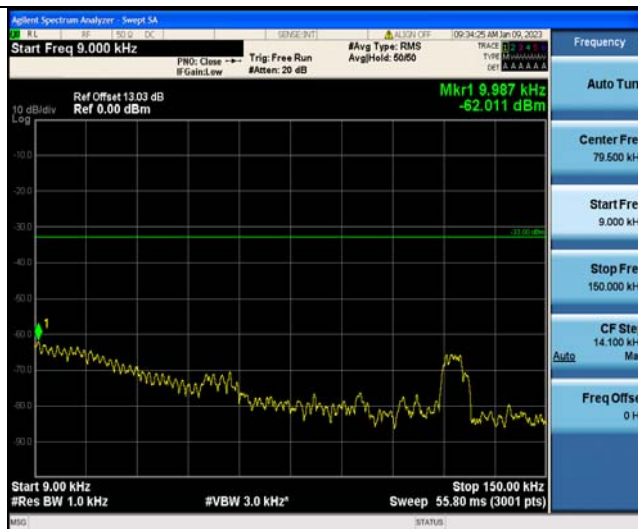
GPRS850-128-3-1000~3000MHz



GPRS850-128-3-3000~10000MHz

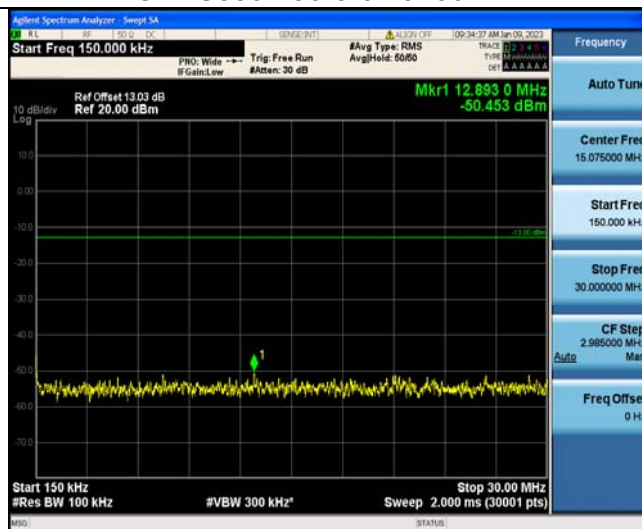


GPRS850-190-3-0.009~0.15MHz

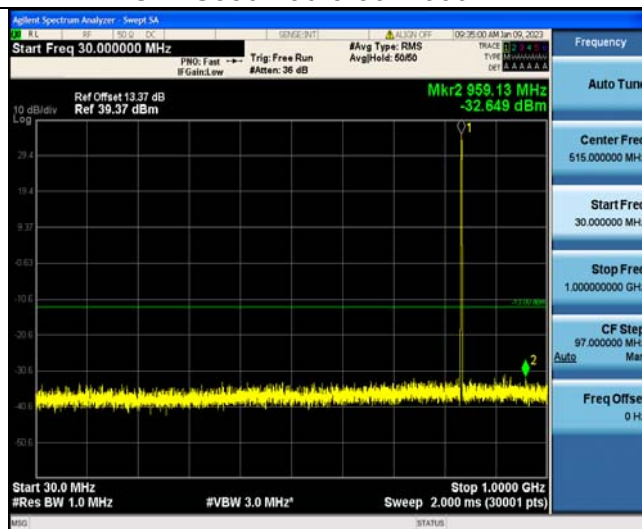




GPRS850-190-3-0.15~30MHz



GPRS850-190-3-30~1000MHz



GPRS850-190-3-1000~3000MHz





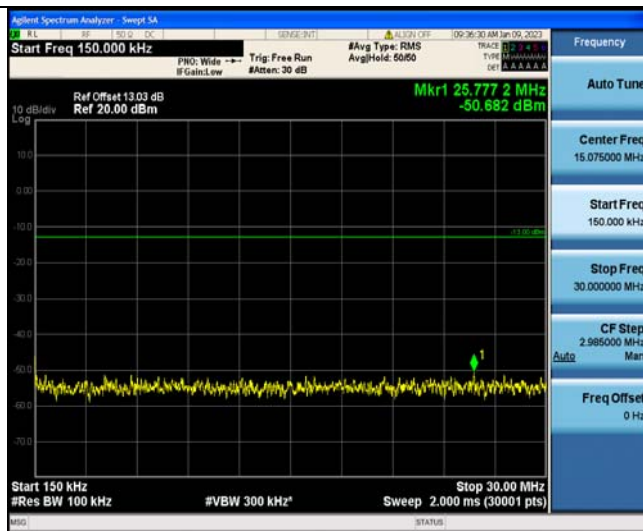
GPRS850-190-3-3000~10000MHz



GPRS850-251-3-0.009~0.15MHz

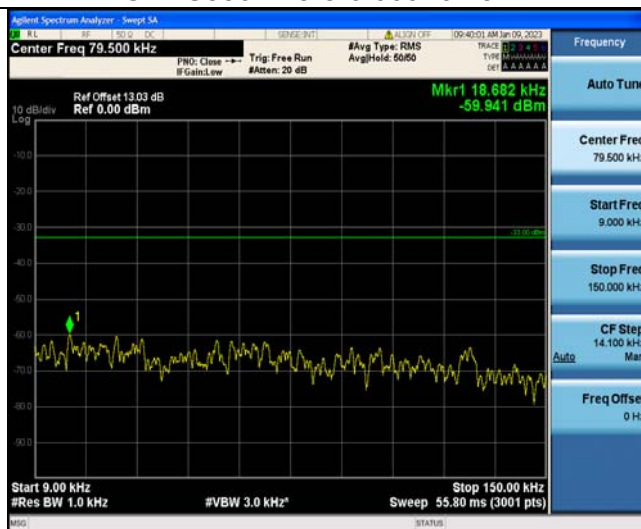


GPRS850-251-3-0.15~30MHz

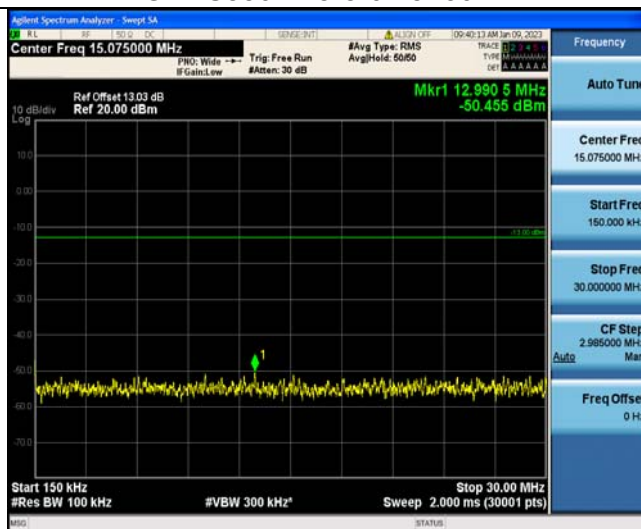




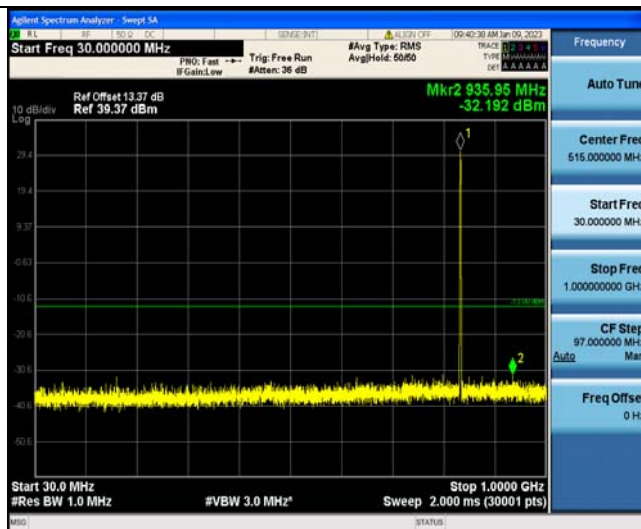
EGPRS850-128-8-0.009~0.15MHz



EGPRS850-128-8-0.15~30MHz



EGPRS850-128-8-30~1000MHz





EGPRS850-128-8-1000~3000MHz



EGPRS850-128-8-3000~10000MHz

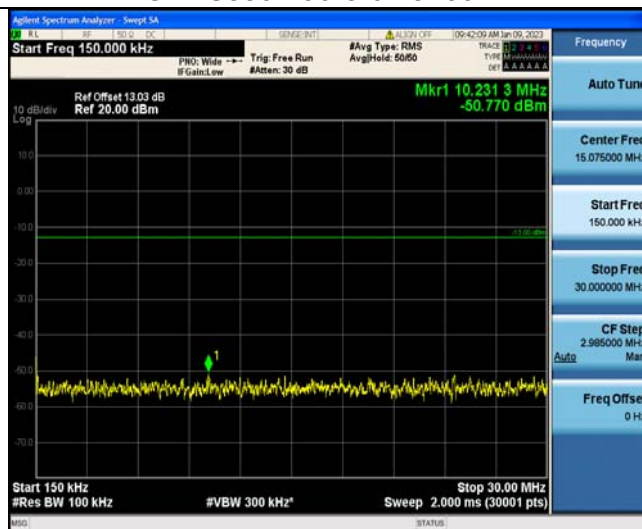


EGPRS850-190-8-0.009~0.15MHz

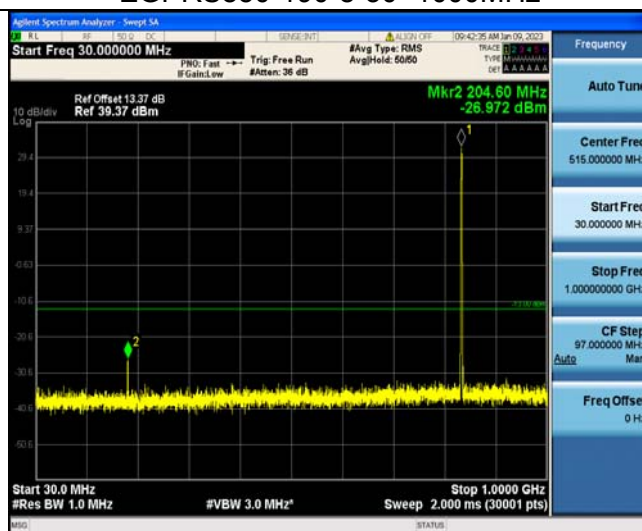




EGPRS850-190-8-0.15~30MHz



EGPRS850-190-8-30~1000MHz



EGPRS850-190-8-1000~3000MHz





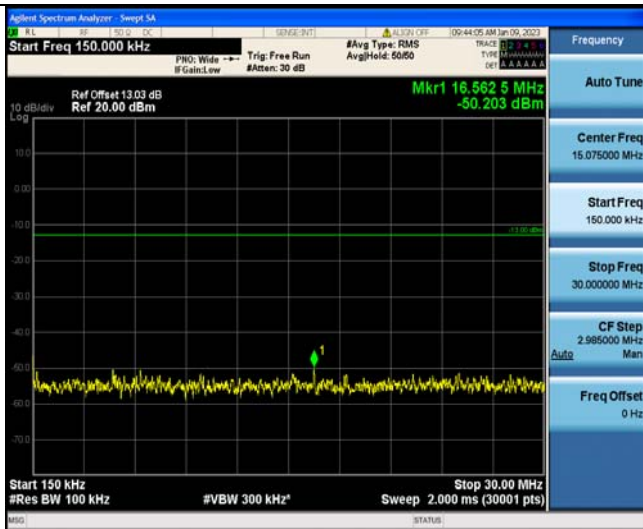
EGPRS850-190-8-3000~10000MHz



EGPRS850-251-8-0.009~0.15MHz

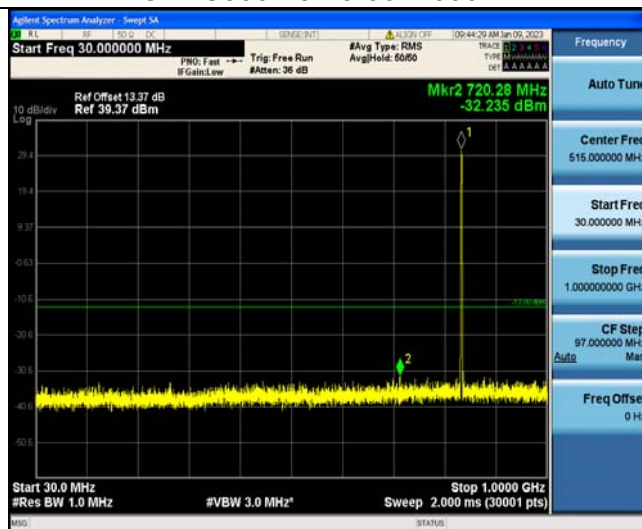


EGPRS850-251-8-0.15~30MHz





EGPRS850-251-8-30~1000MHz



EGPRS850-251-8-1000~3000MHz



EGPRS850-251-8-3000~10000MHz

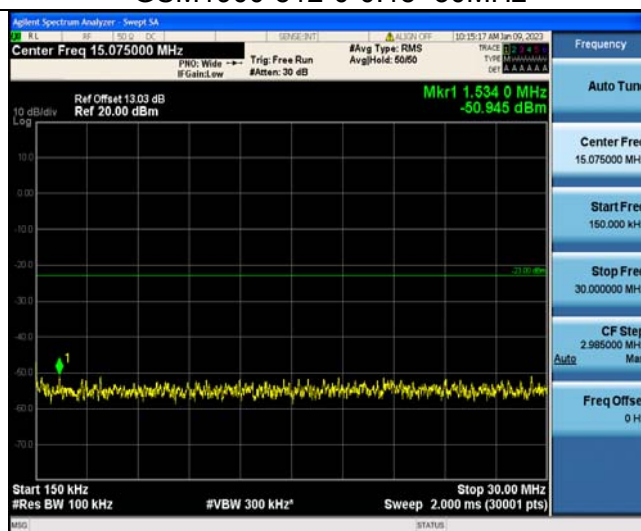




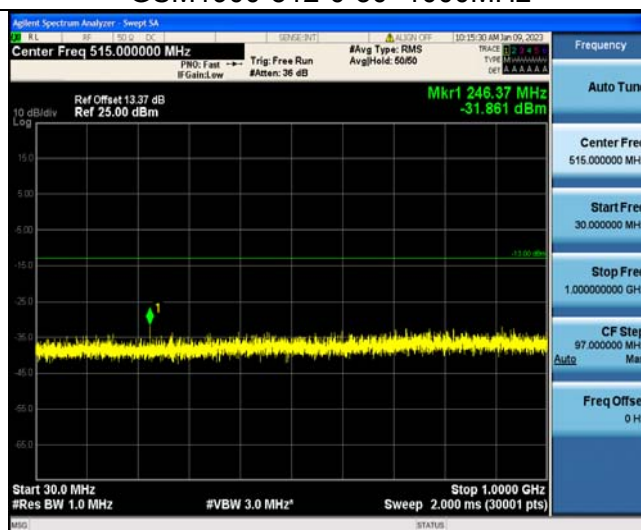
GSM1900-512-0-0.009~0.15MHz



GSM1900-512-0-0.15~30MHz



GSM1900-512-0-30~1000MHz





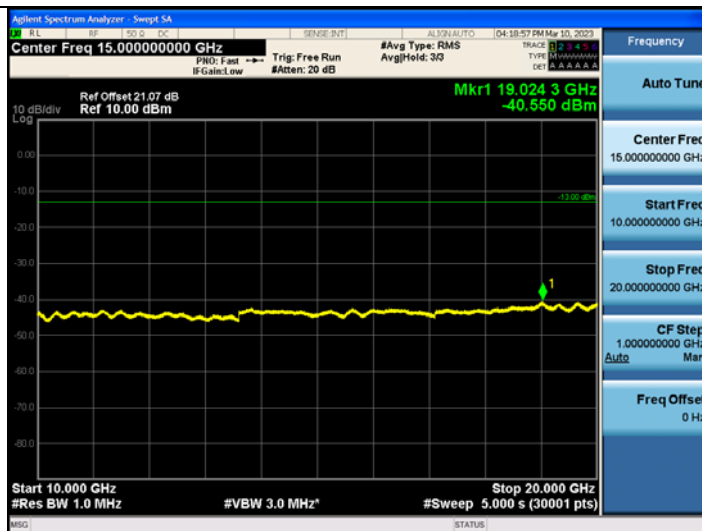
GSM1900-512-0-1000~3000MHz



GSM1900-512-0-3000~10000MHz



GSM1900-512-0-10000~20000MHz

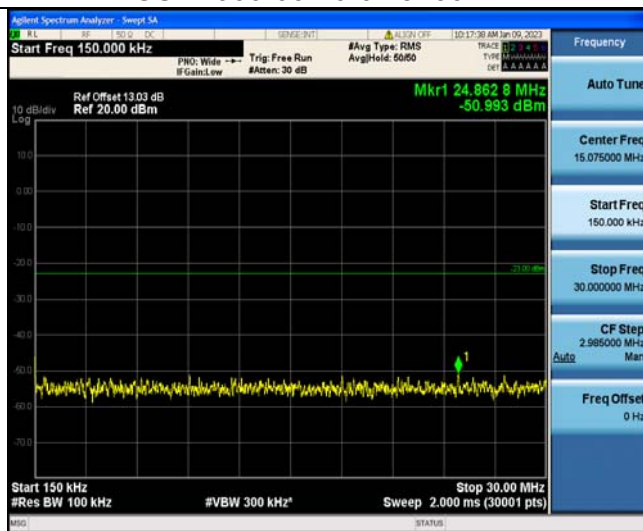




GSM1900-661-0-0.009~0.15MHz



GSM1900-661-0-0.15~30MHz



GSM1900-661-0-30~1000MHz





GSM1900-661-0-1000~3000MHz



GSM1900-661-0-3000~10000MHz



GSM1900-661-0-10000~20000MHz

