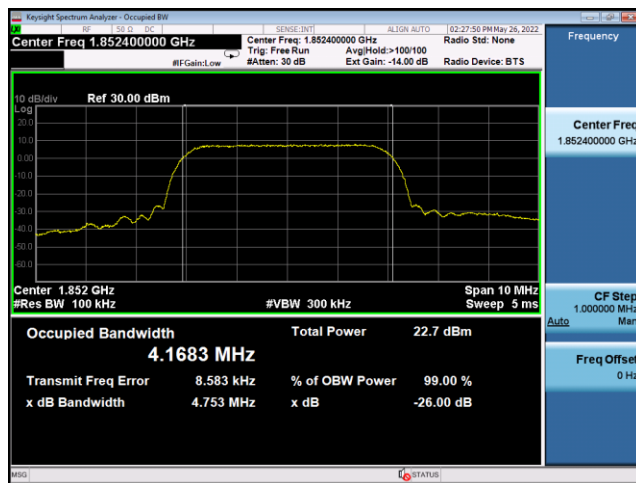
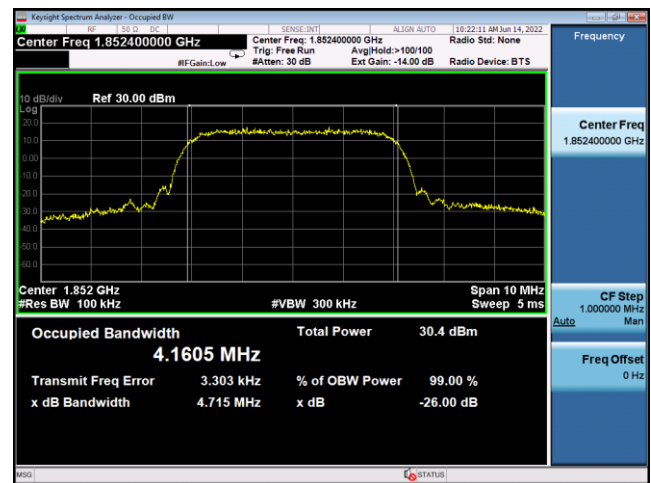


WCDMA 1900-Ant2&Ant4:

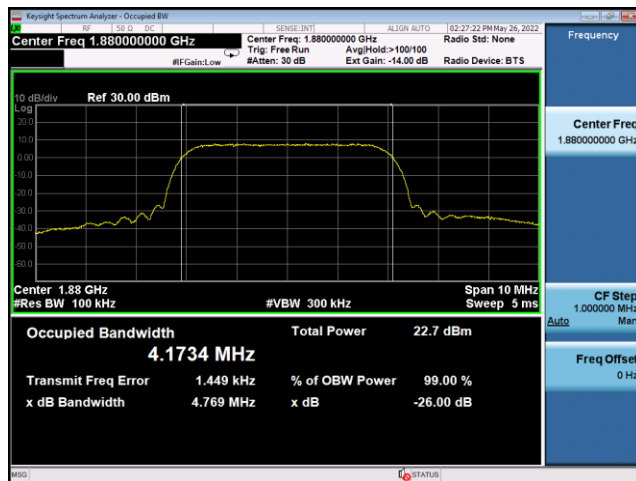
WCDMA 1900-9262-Ant2



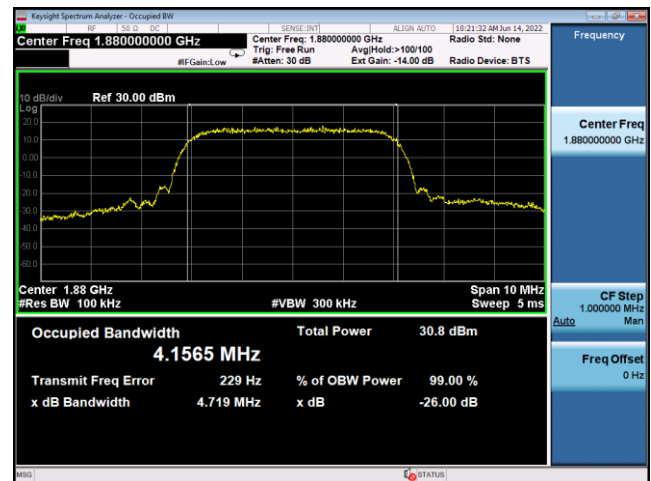
WCDMA 1900-9262-Ant4



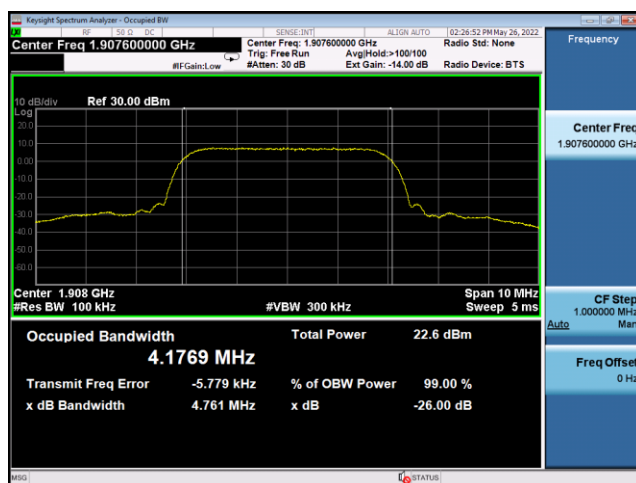
WCDMA 1900-9400-Ant2



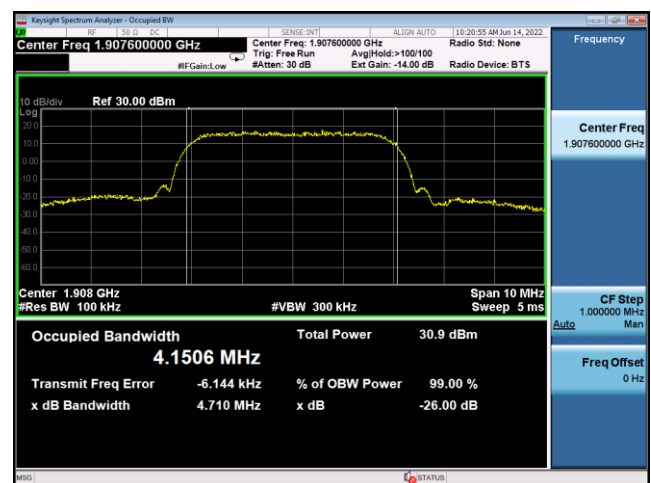
WCDMA 1900-9400-Ant4



WCDMA 1900-9538-Ant2

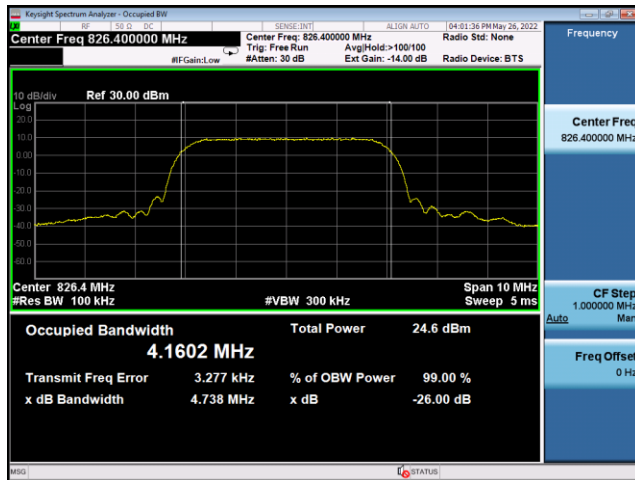


WCDMA 1900-9538-Ant4

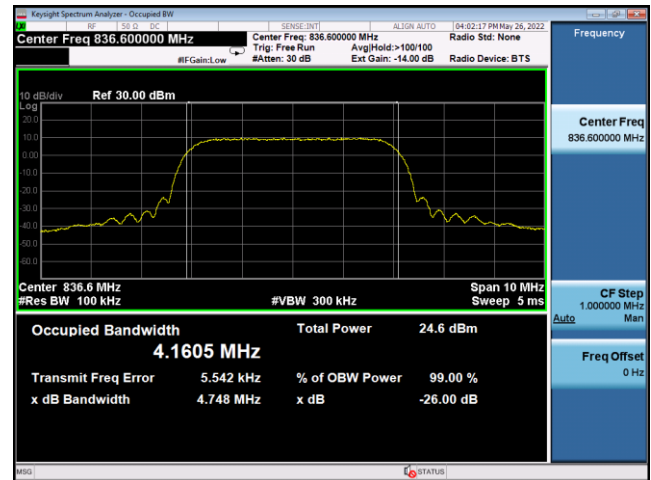


WCDMA 850-Ant1:

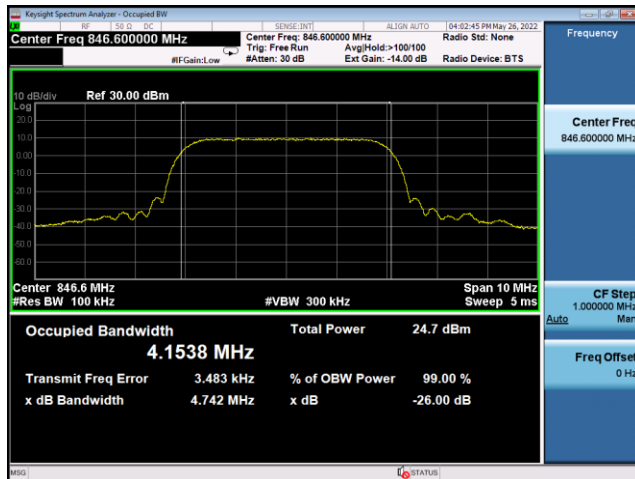
WCDMA 850-4132



WCDMA 850-4183



WCDMA 850-4233



2.4. Conducted Band Edge

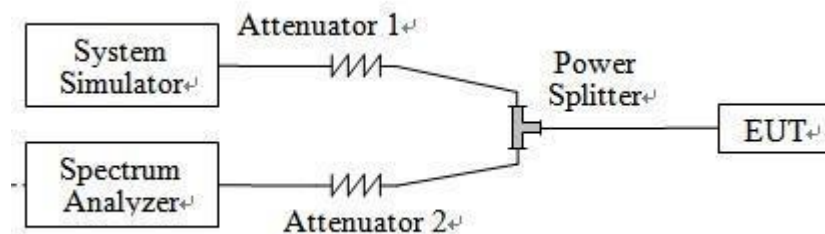
2.4.1. Requirement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

2.4.2. Measuring Instruments

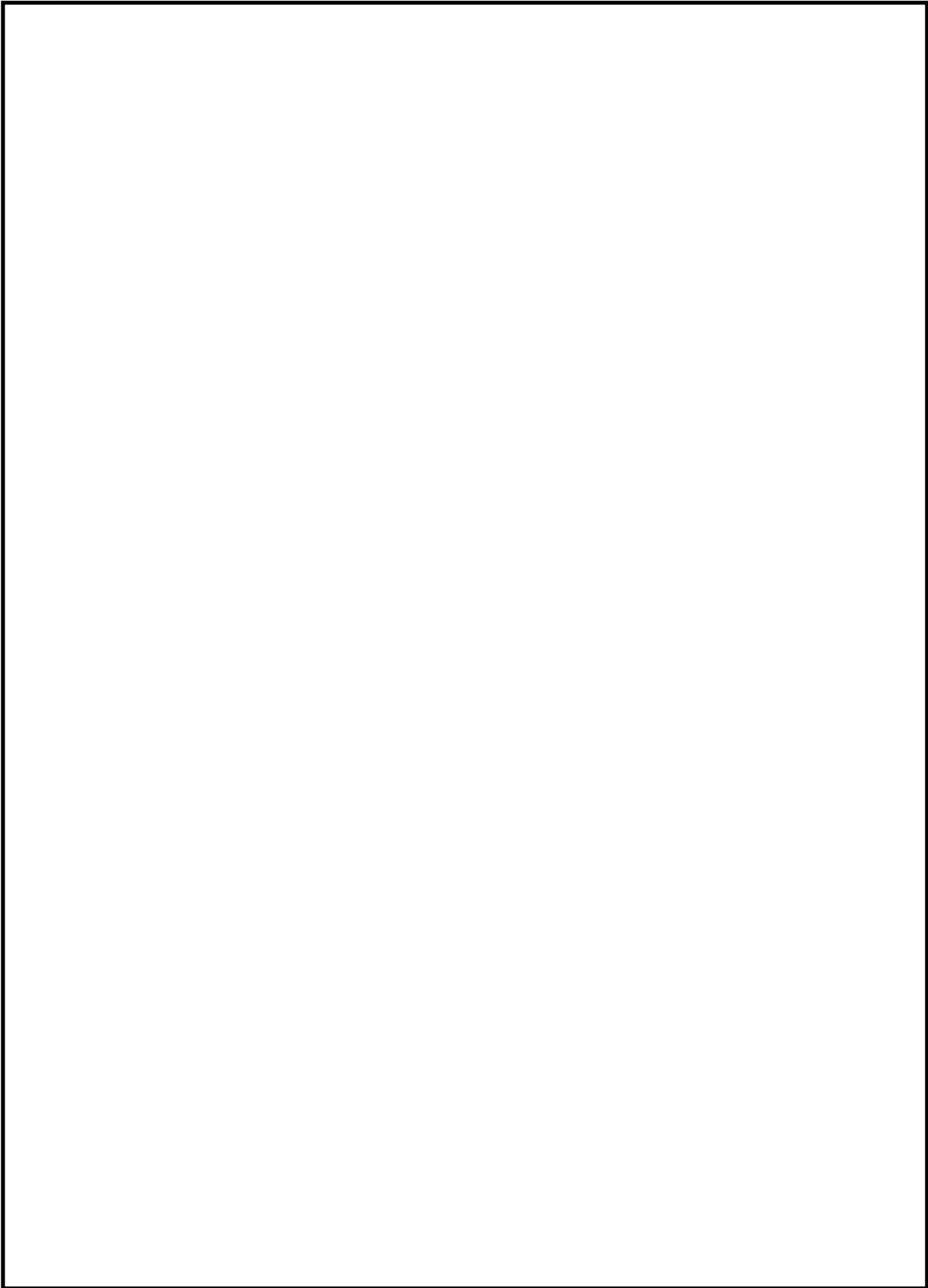
The measuring equipment is listed in the section 3 of this test report.

2.4.3. Test Setup



2.4.4. Test Procedures

1. The testing follows the of KDB 971168 D01 v03r01 Section 6 and ANSI C63.26-2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider, Path loss compensation is then performed on the spectrum analyzer and the system simulator respectively.
3. Span was set large enough so as to capture all out of band emissions near the Channel Edge.
4. Use $RBW \geq 1\%$ EBW in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, and use $RBW = 1$ MHz outside 1 MHz of the authorized frequency channel.
5. Set $VBW \geq 3 \times RBW$
6. Set Detector = power averaging (rms).
7. Set the number of points in sweep $\geq 2 \times \text{span} / RBW$.
8. Set sweep trigger to "free run."
9. Set the Sweep time $> (\text{number of points in sweep}) \times (\text{transmitter period})$ (i.e., the transmit on-time + the off-time).
10. Perform a trace average of at least 100 traces.
11. Repeat step 3~10 at other frequency and modulations.



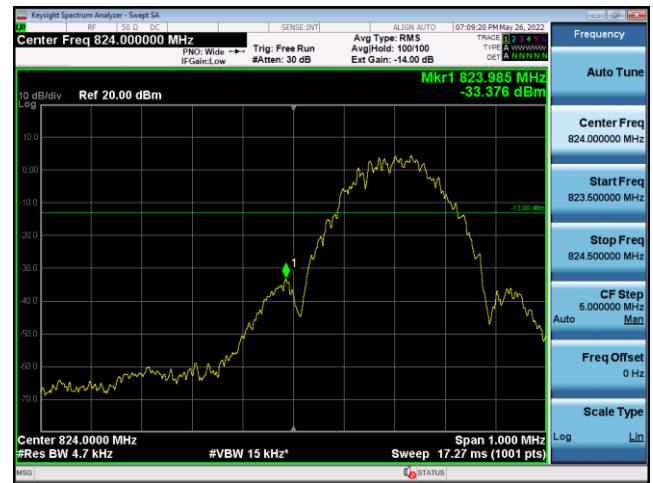
2.4.5. Test Result of Conducted Band Edge

GSM 850-Ant1:

GSM 850-128



EDGE 850-128



GSM 850-251



EDGE 850-251



PCS 1900-Ant2:

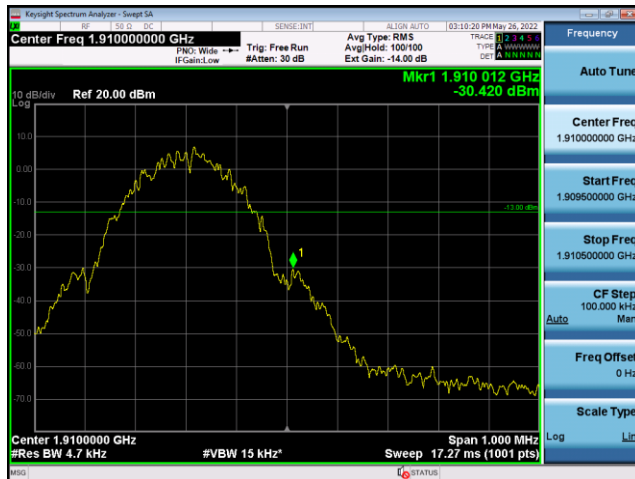
PCS 1900-512



EDGE 1900-512



PCS 1900-810



EDGE 1900-810

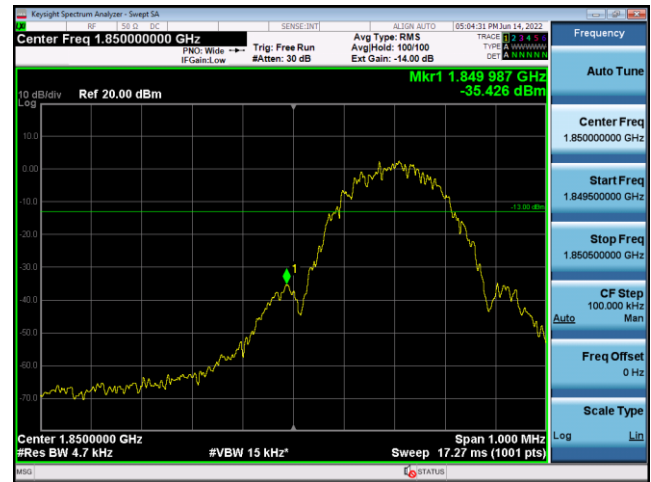


PCS 1900-Ant4:

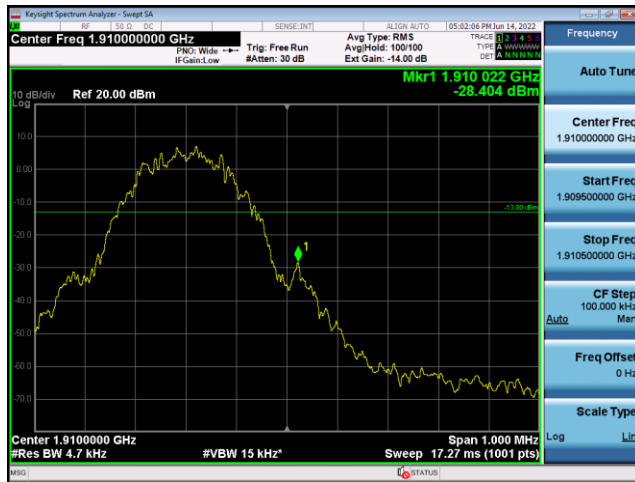
PCS 1900-512



EDGE 1900-512



PCS 1900-810

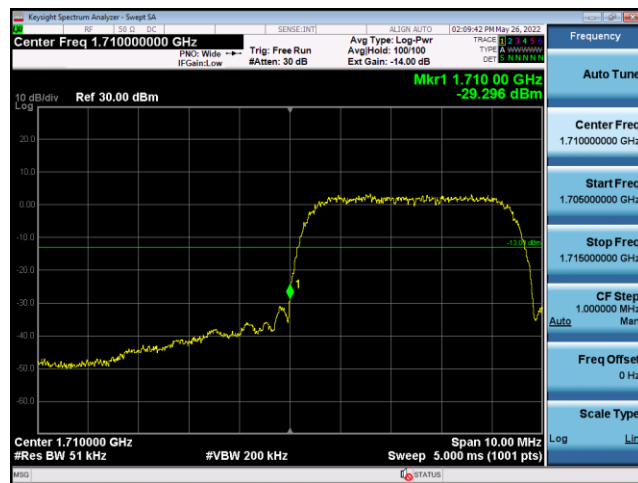


EDGE 1900-810

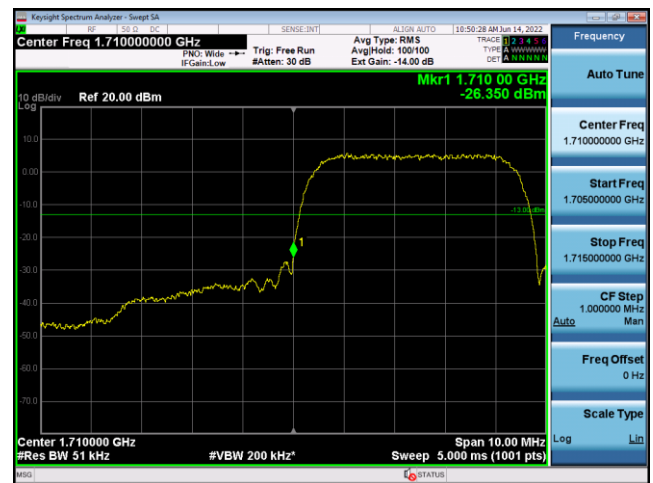


WCDMA 1700-Ant2&Ant4:

WCDMA 1700-1312-Ant2



WCDMA 1700-1312-Ant4



WCDMA 1700-1513-Ant2

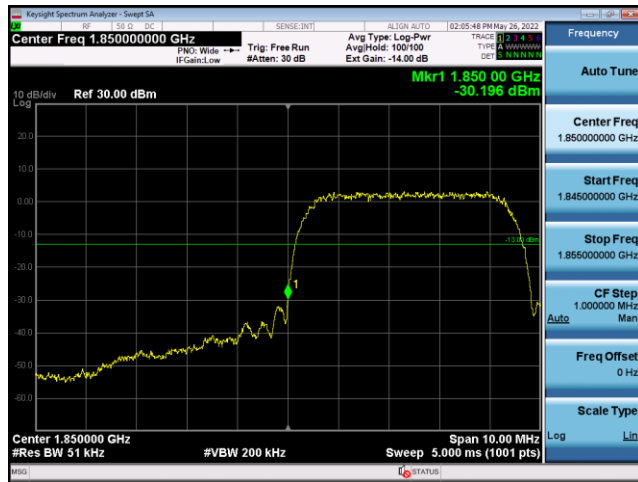


WCDMA 1700-1513-Ant4



WCDMA 1900-Ant2&Ant4:

WCDMA 1900-9262-Ant2



WCDMA 1900-9262-Ant4



WCDMA 1900-9538-Ant2

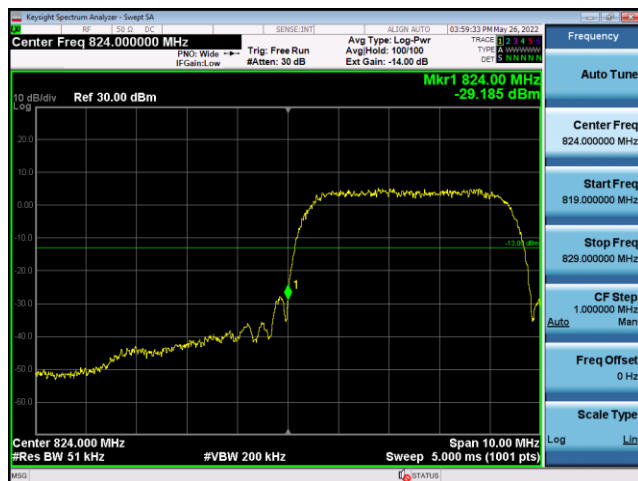


WCDMA 1900-9538-Ant4



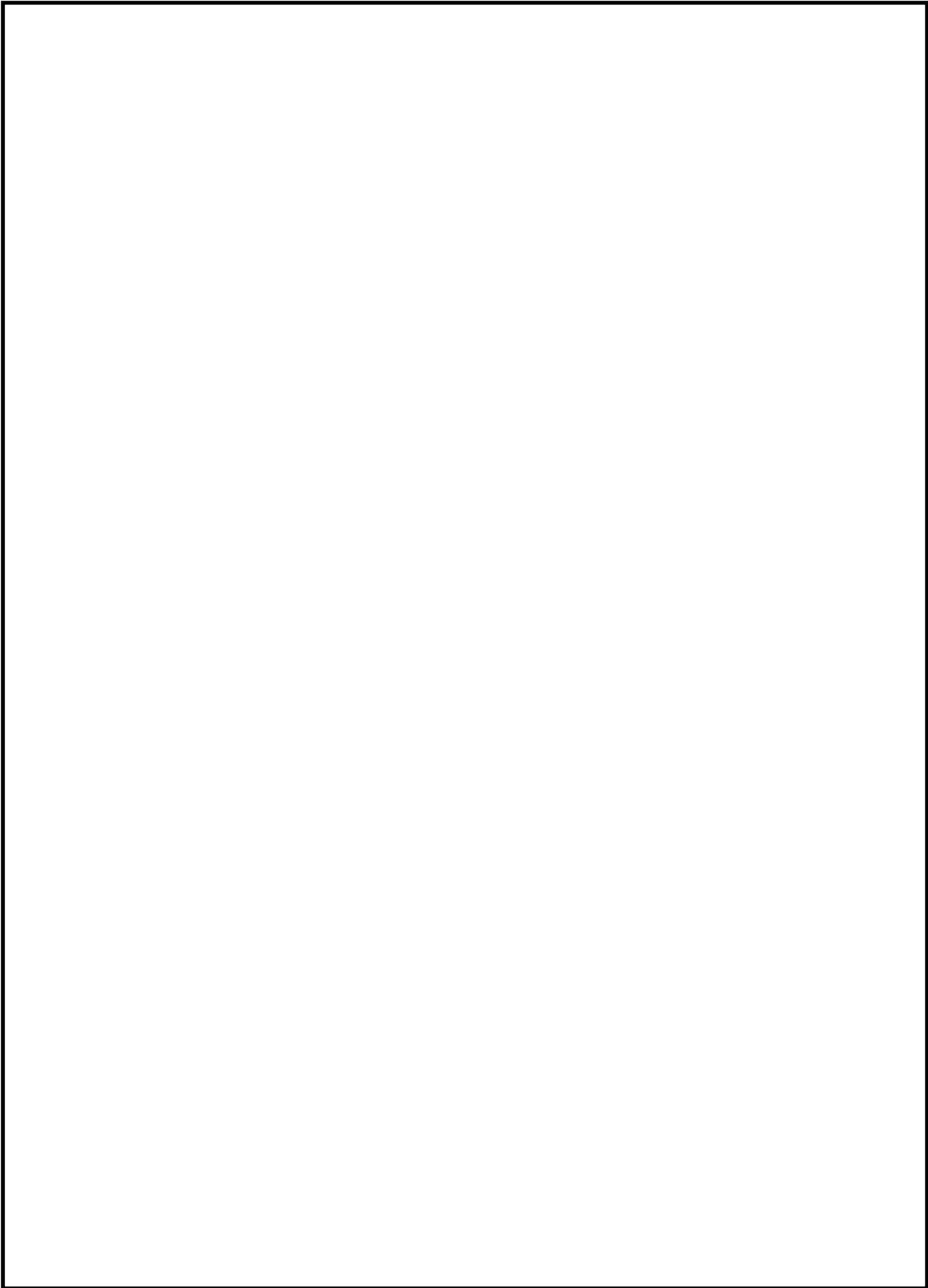
WCDMA 850-Ant1:

WCDMA 850-4132



WCDMA 850-4233





2.5. Conducted Spurious Emission

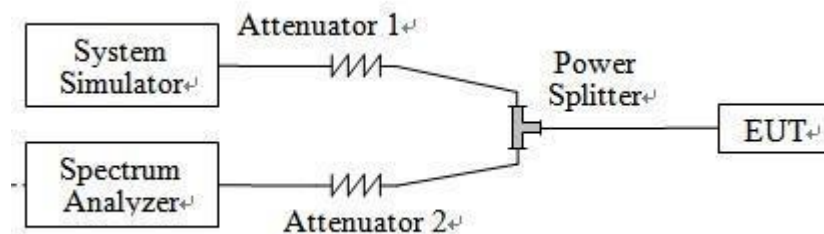
2.5.1. Requirement

The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.

2.5.2. Measuring Instruments

The measuring equipment is listed in the section 3 of this test report.

2.5.3. Test Setup



2.5.4. Test Procedures

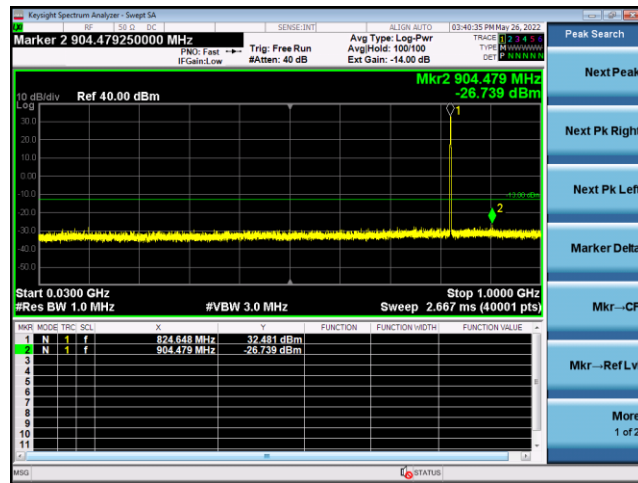
1. The testing follows the of KDB 971168 D01 v03r01 Section 6 and ANSI C63.26-2015 Section 5.7.
2. The EUT was connected to spectrum analyzer and system simulator via a power divider, Path loss compensation is then performed on the spectrum analyzer and the system simulator respectively.
3. Set the spectrum analyzer start frequency to 9kHz and stop frequency to the tenth harmonic of the highest fundamental frequency.
4. Set $RBW = 1\text{MHz}$, $VBW \geq 3 \times RBW$
5. Set Detector = peak.
6. Set Trace mode = max hold.
7. Set Sweep time = auto-couple.
8. Identify and measure the highest spurious emission levels in each frequency range.
9. Compare the results with the corresponding limit in the applicable regulation.
10. Repeat step 3~9 at other frequency and modulations.

Note: For 9 kHz to 30MHz: the amplitude of spurious emissions is attenuated by more than 20dB below the permissible value, so we not provide the test result here.

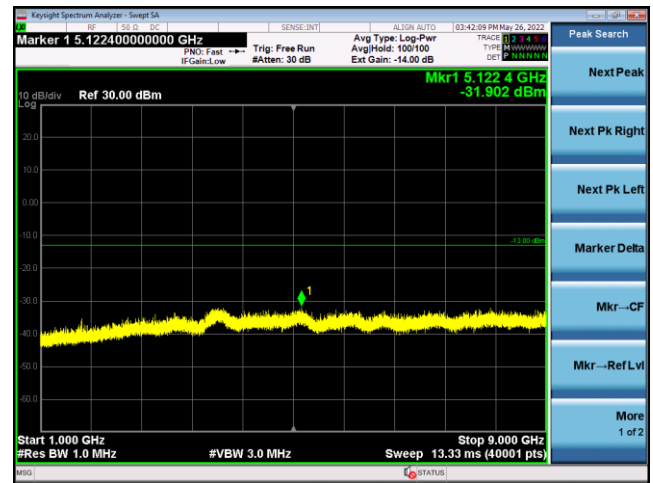
2.5.5. Test Result of Conducted Spurious Emission

GSM 850-Ant1:

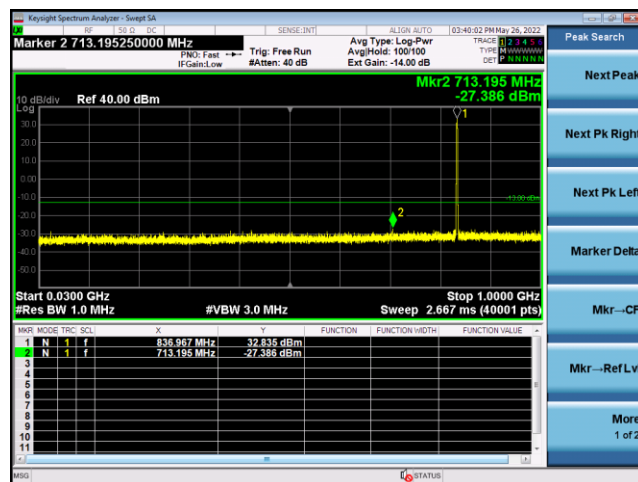
GSM 850-128, 30MHz ~1GHz



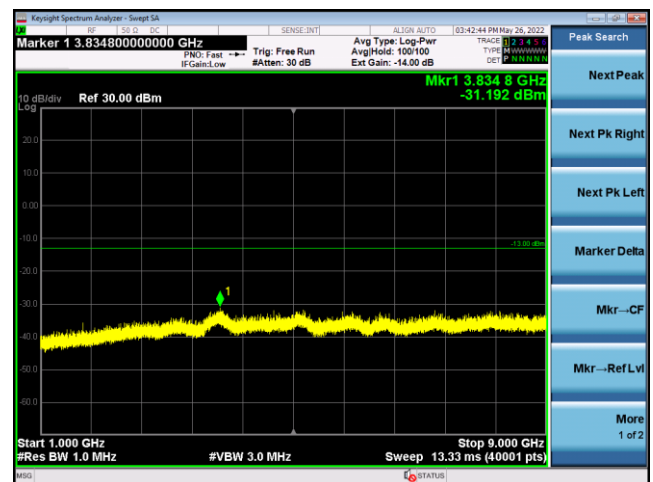
GSM 850-128, 1GHz to 9GHz



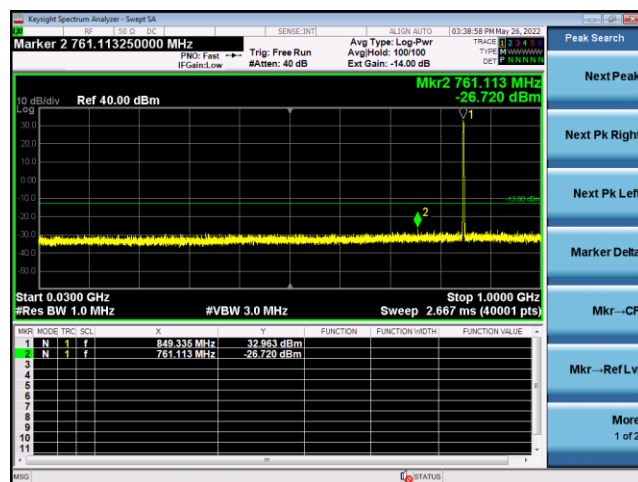
GSM 850-190, 30MHz ~1GHz



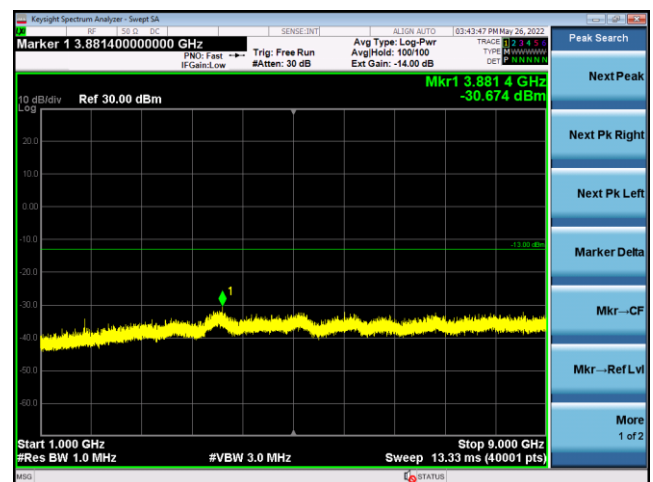
GSM 850-190, 1GHz to 9GHz



GSM 850-251, 30MHz ~1GHz

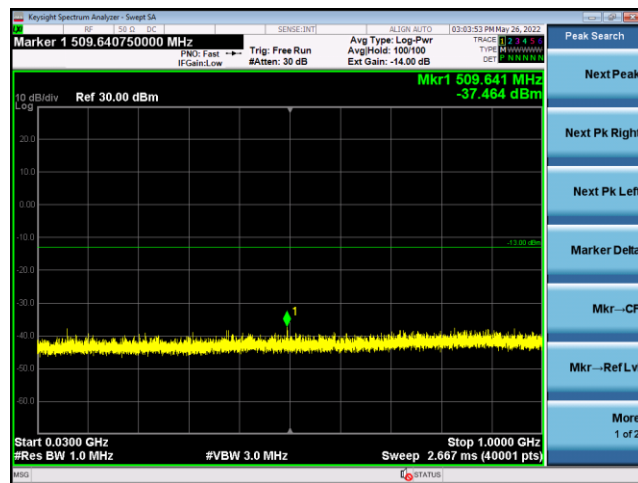


GSM 850-251, 1GHz to 9GHz

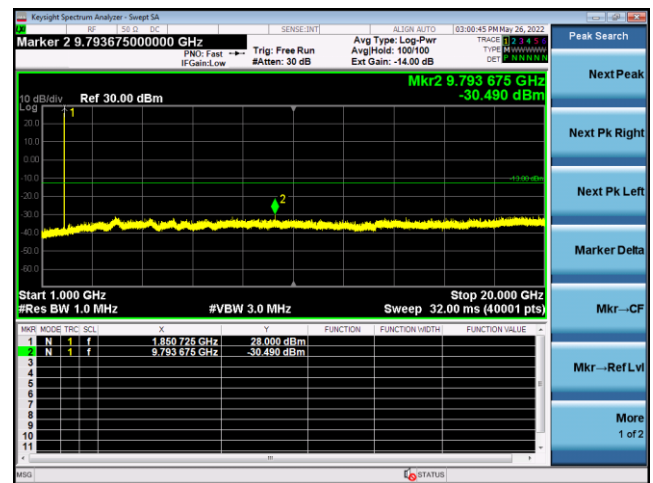


PCS 1900-Ant2:

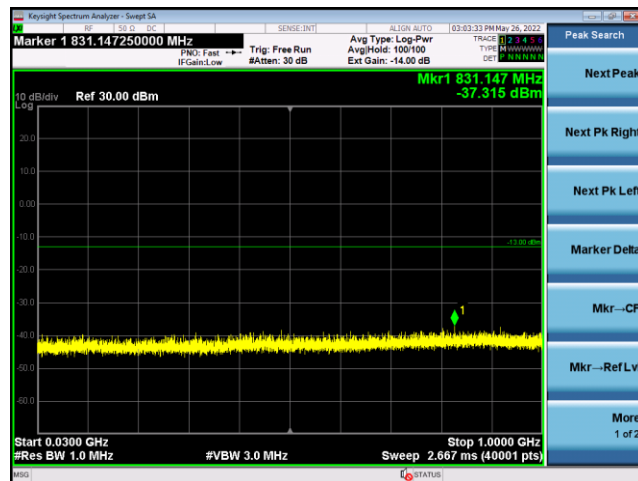
PCS 1900-512, 30MHz ~1GHz



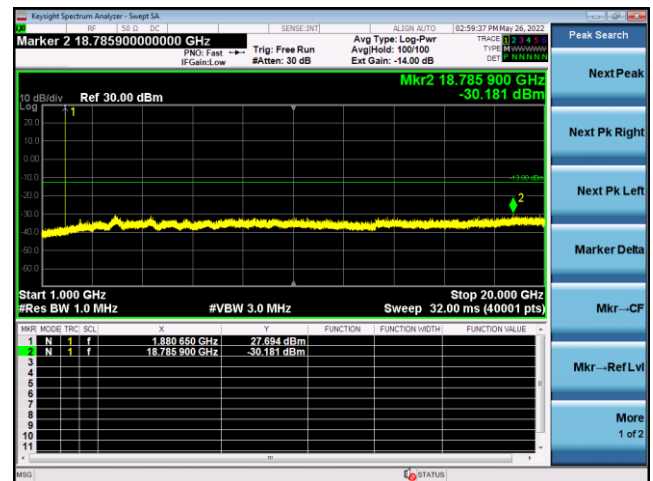
PCS 1900-512, 1GHz to 20GHz



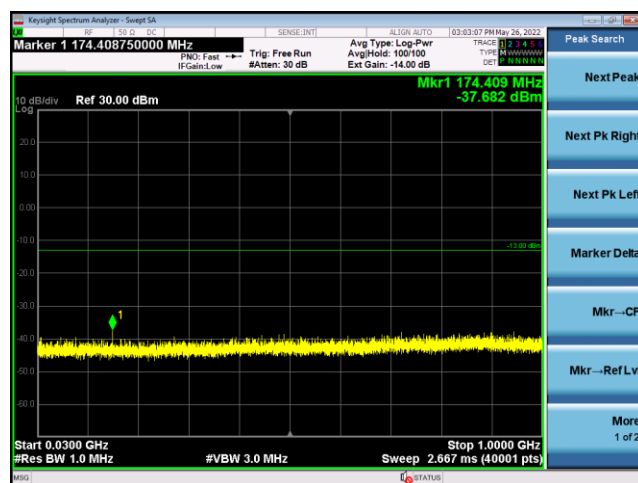
PCS 1900-661, 30MHz ~1GHz



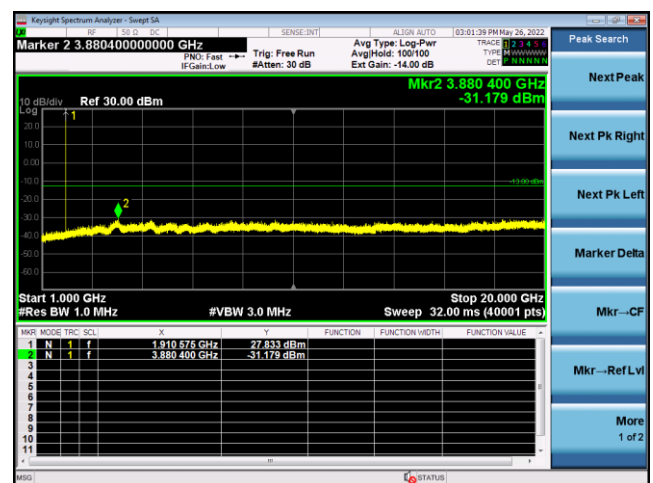
PCS 1900-661, 1GHz to 20GHz



PCS 1900-810, 30MHz ~1GHz

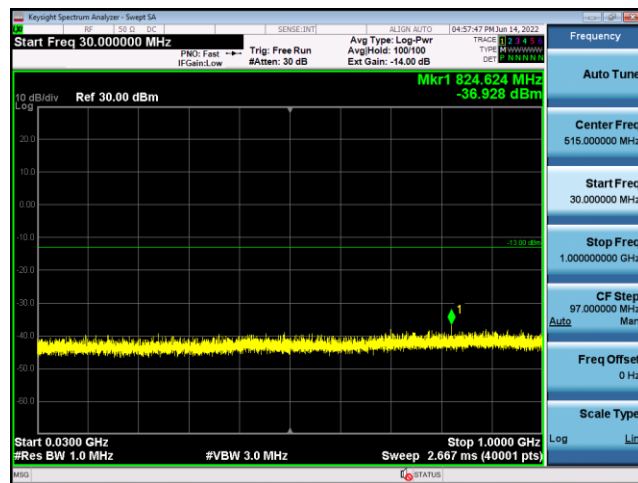


PCS 1900-810, 1GHz to 20GHz

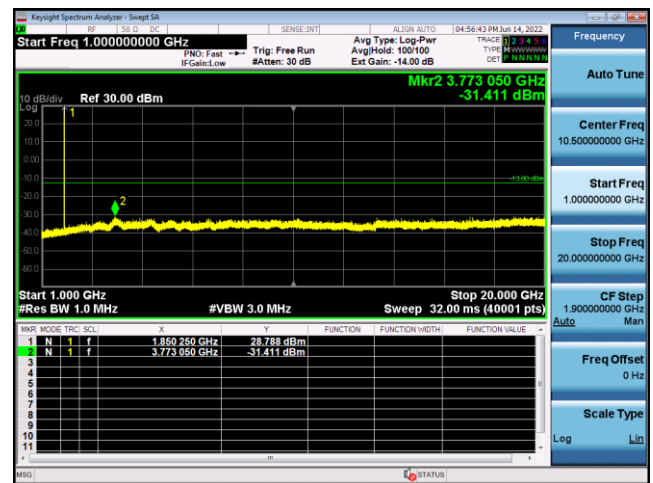


PCS 1900-Ant4:

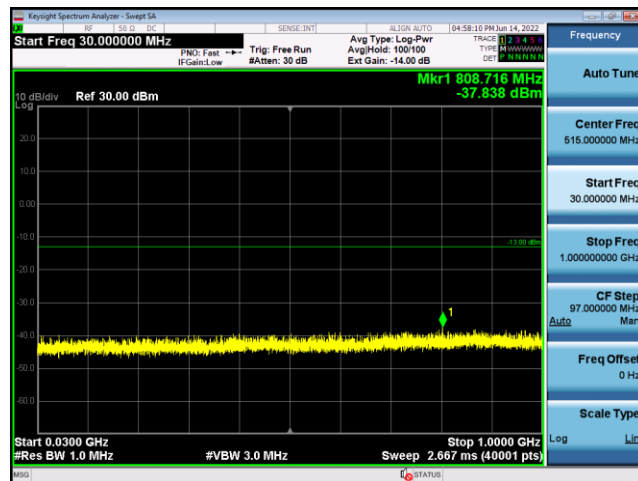
PCS 1900-512, 30MHz ~1GHz



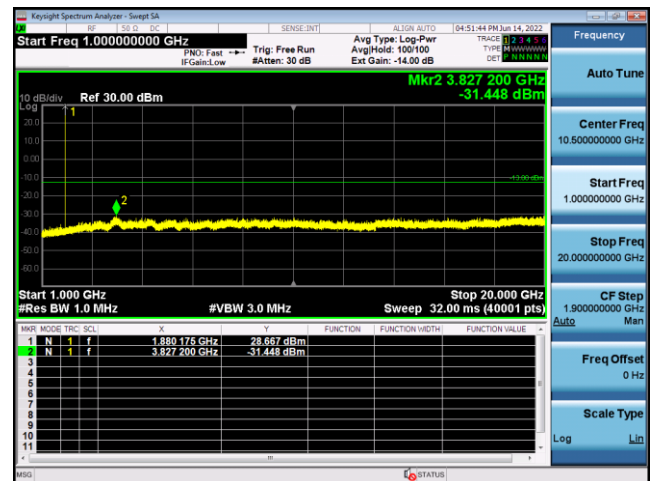
PCS 1900-512, 1GHz to 20GHz



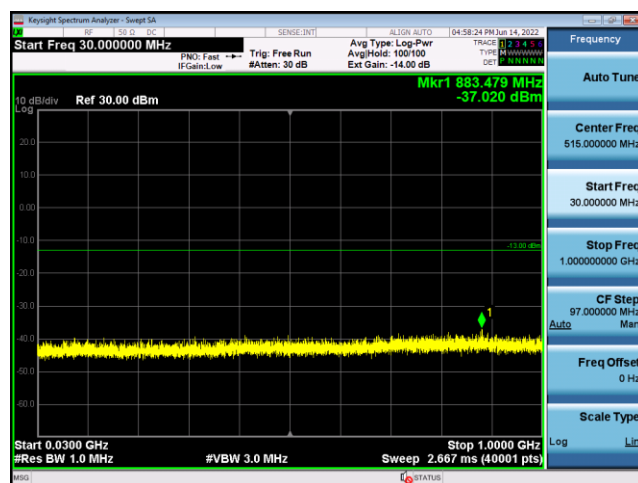
PCS 1900-661, 30MHz ~1GHz



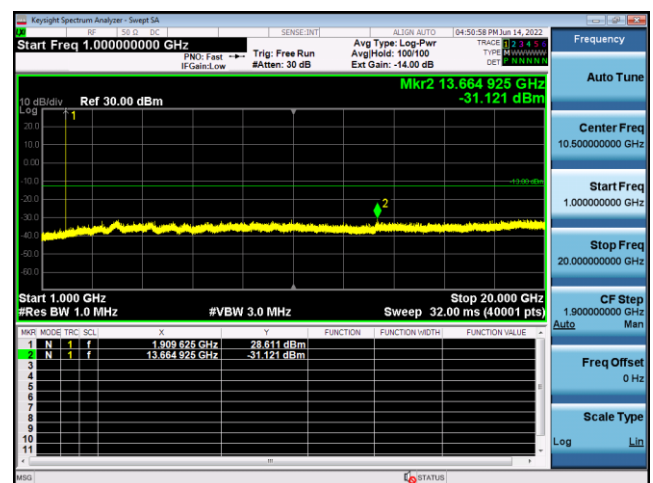
PCS 1900-661, 1GHz to 20GHz



PCS 1900-810, 30MHz ~1GHz

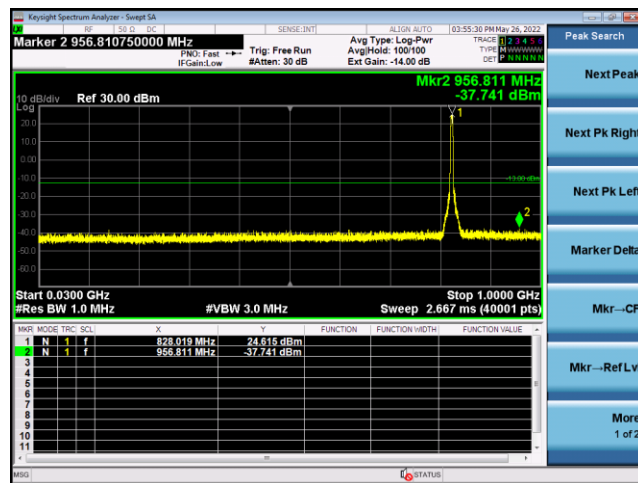


PCS 1900-810, 1GHz to 20GHz

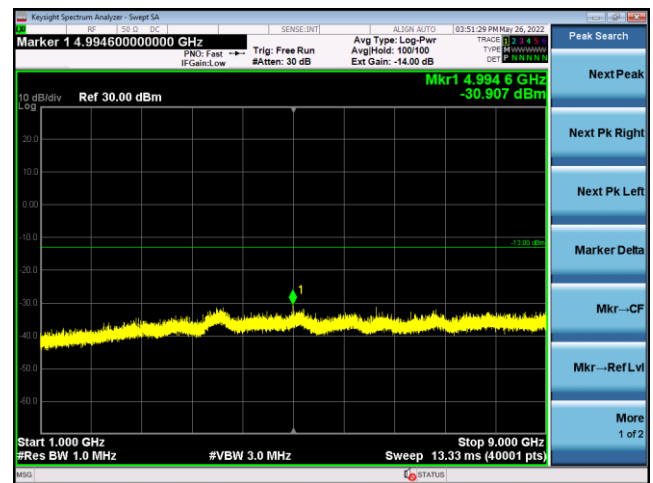


WCDMA 850-Ant1:

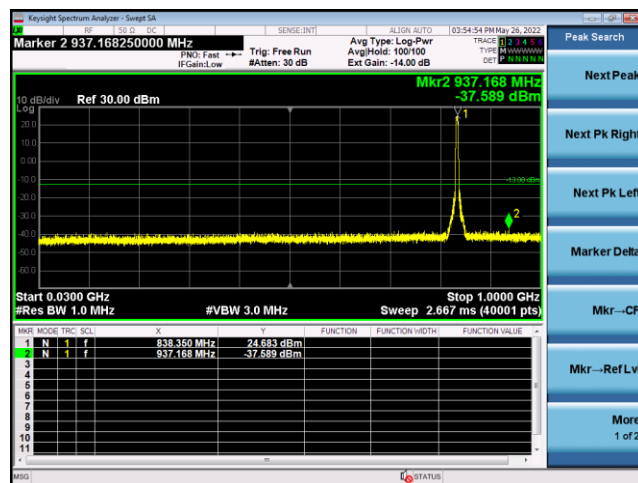
WCDMA 850-4132, 30MHz ~1GHz



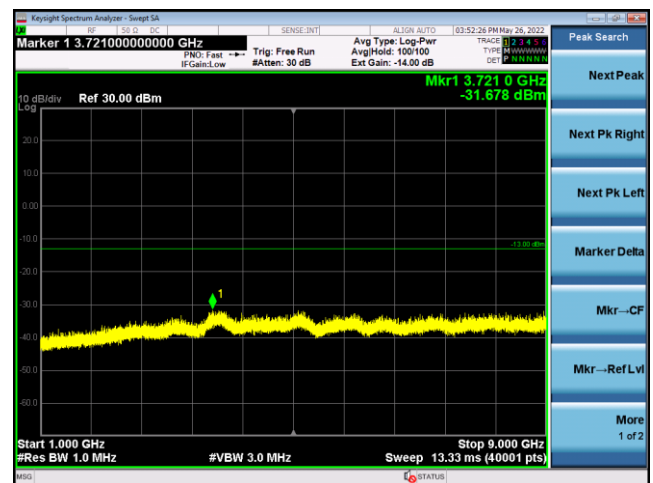
WCDMA 850-4132, 1GHz to 9GHz



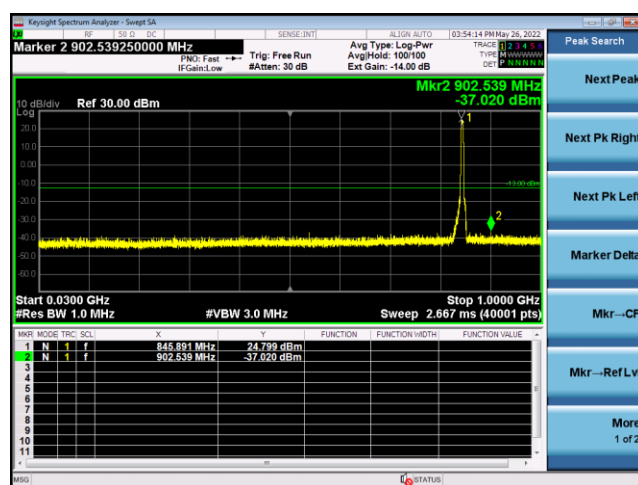
WCDMA 850-4183, 30MHz ~1GHz



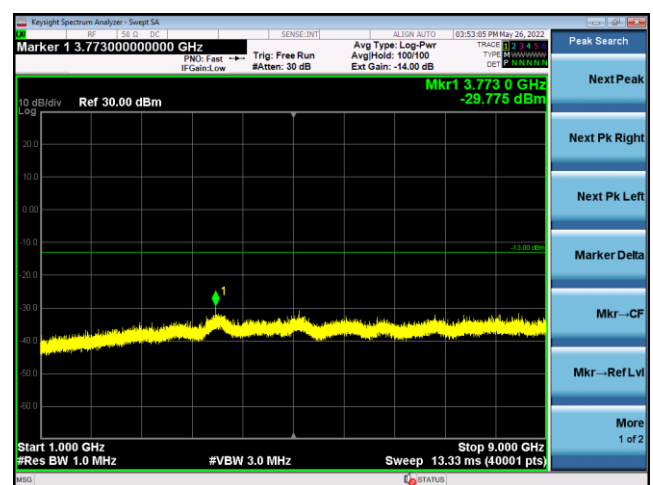
WCDMA 850-4183, 1GHz to 9GHz



WCDMA 850-4233, 30MHz ~1GHz

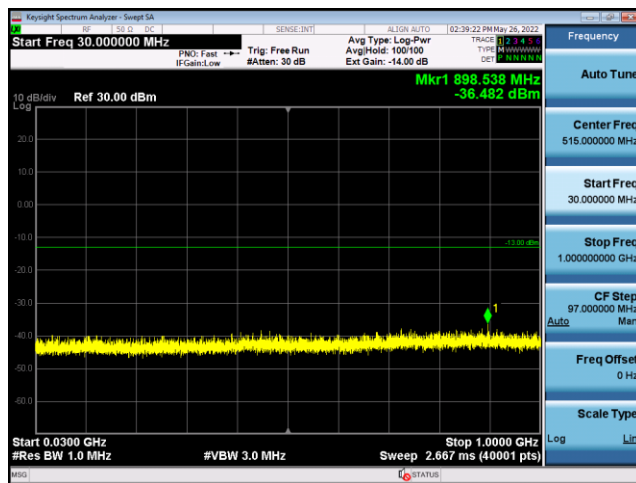


WCDMA 850-4233, 1GHz to 9GHz

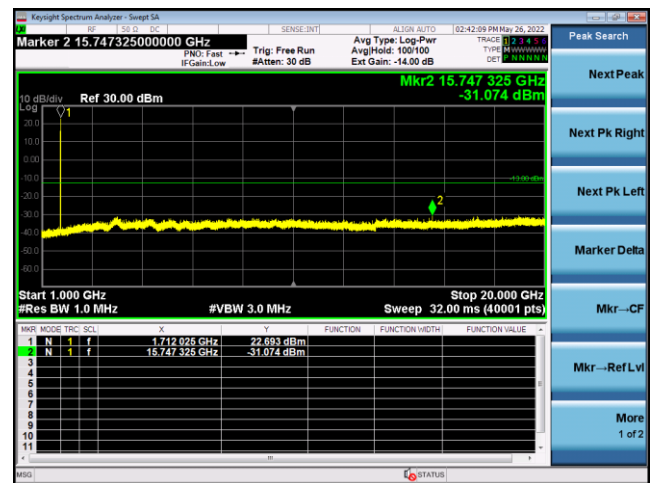


WCDMA 1700-Ant2:

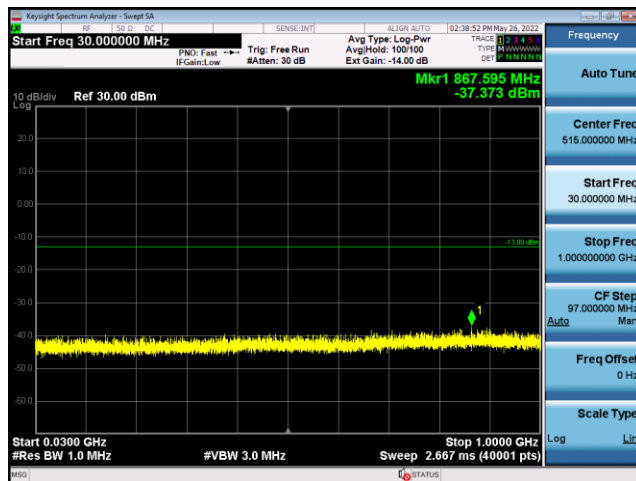
WCDMA 1700-1312, 30MHz ~1GHz



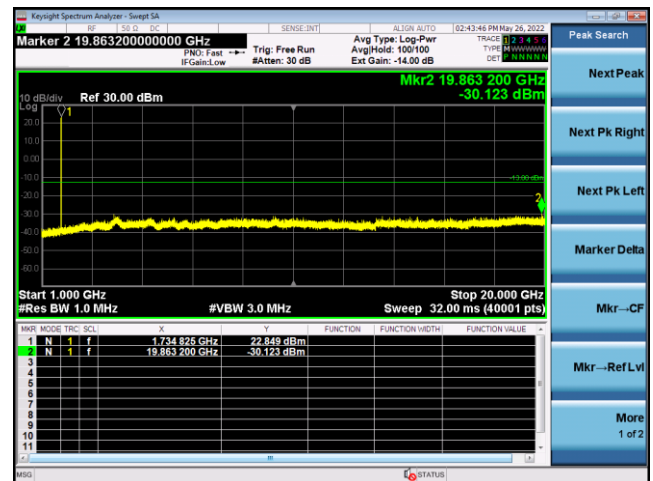
WCDMA 1700-1312, 1GHz to 20GHz



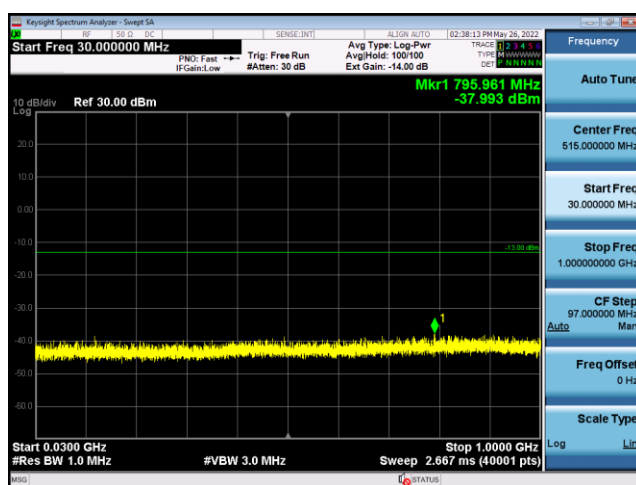
WCDMA 1700-1413, 30MHz ~1GHz



WCDMA 1700-1413, 1GHz to 20GHz



WCDMA 1700-1513, 30MHz ~1GHz



WCDMA 1700-1513, 1GHz to 20GHz

