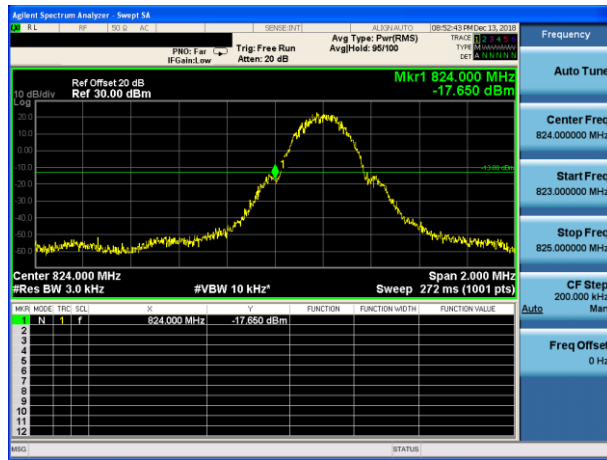


Test plot For

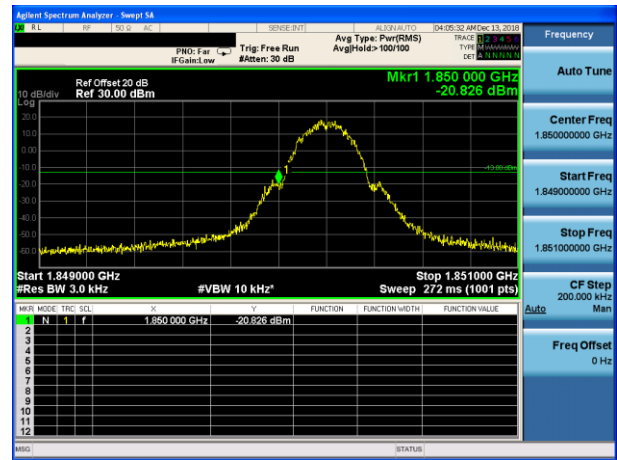
(GPRS850)

Conducted Band Edge plot on channel 128

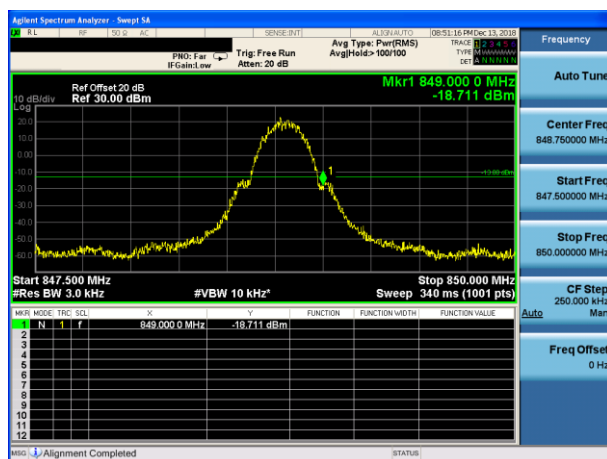


(GPRS1900)

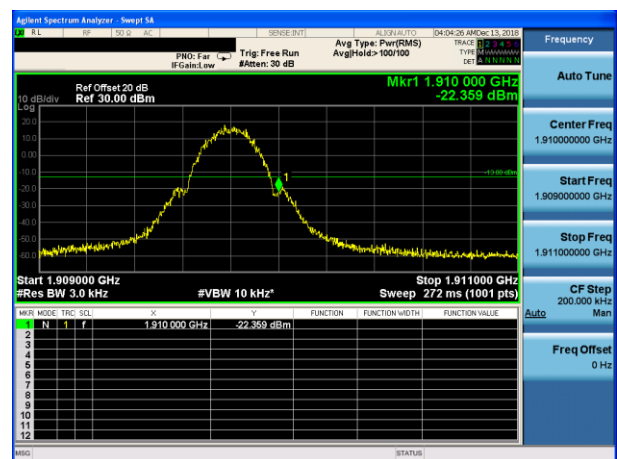
Conducted Band Edge plot on channel 512



Conducted Band Edge plot on channel 251



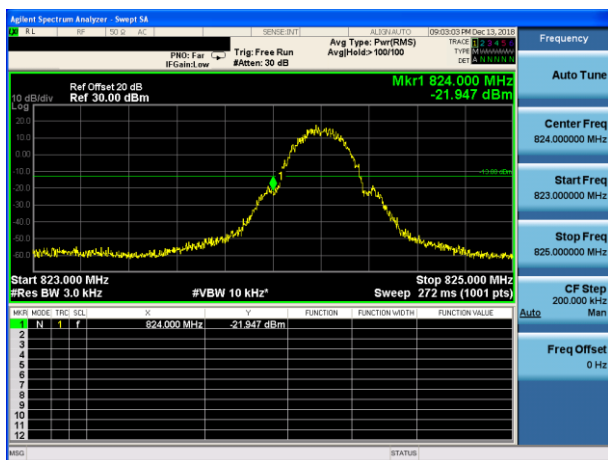
Conducted Band Edge plot on channel 810



Test plot For

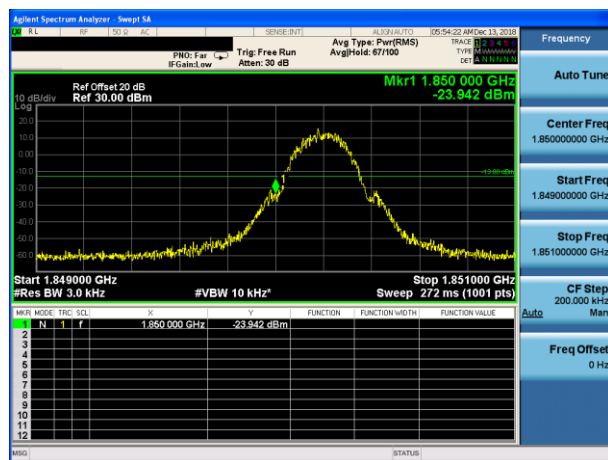
(EGPRS850)

Conducted Band Edge plot on channel 128

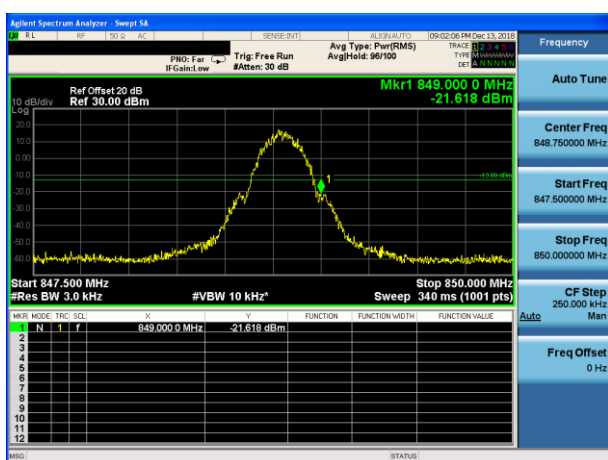


(EGPRS1900)

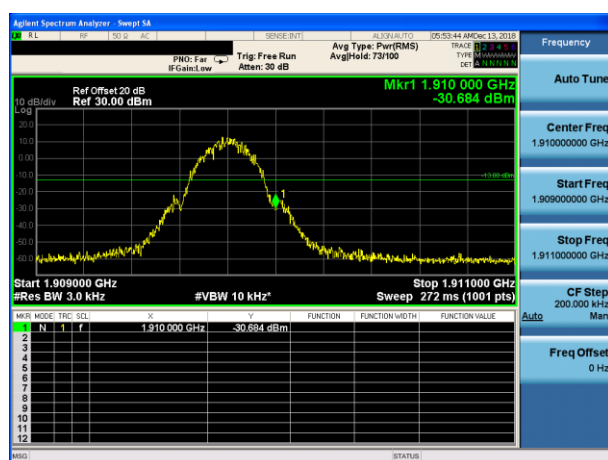
Conducted Band Edge plot on channel 512



Conducted Band Edge plot on channel 251



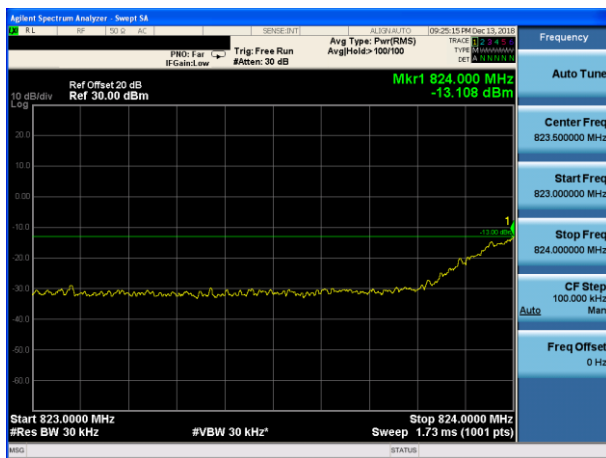
Conducted Band Edge plot on channel 810



Test plot For

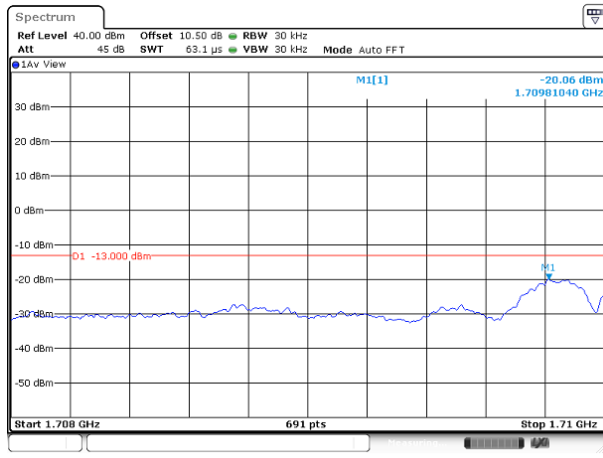
UMTS Band V

Conducted Band Edge plot on channel 4132

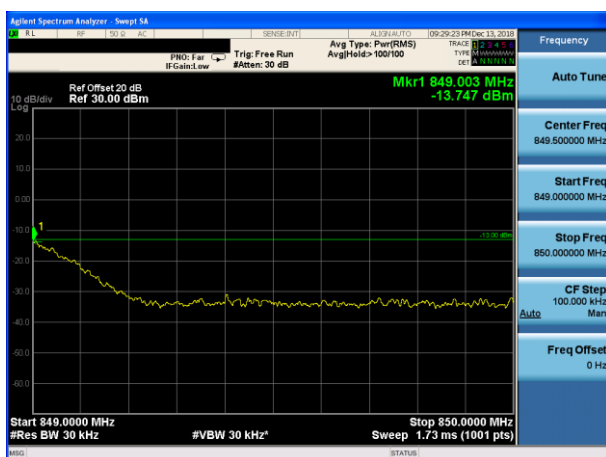


UMTS Band IV

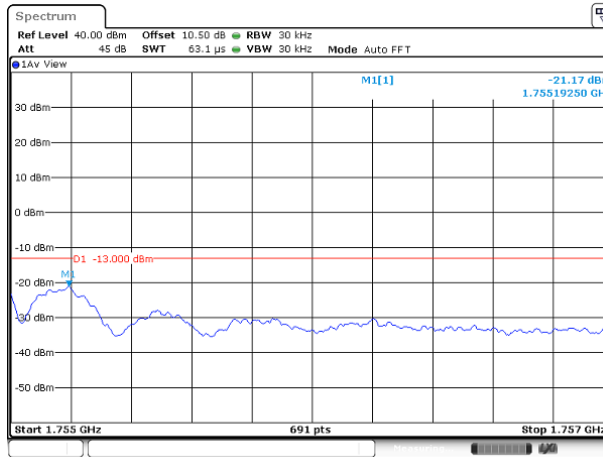
Conducted Band Edge plot on channel 1312



Conducted Band Edge plot on channel 4233



Conducted Band Edge plot on channel 1513



UMTS Band II Test data reference attachment

7.8 CONDUCTED SPURIOUS EMISSION AT ANTENNA TERMINAL

7.8.1 Applicable Standard

According to FCC Part 2.1051 and FCC Part 22.917(a) and Part 24.238(a) and FCC KDB 971168 D01 Section 6.0

7.8.2 Conformance Limit

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.

It is measured by means of a calibrated spectrum analyzer and scanned from 30 MHz up to a frequency including its 10th harmonic.

7.8.3 Measuring Instruments

The Measuring equipment is listed in the section 6.3 of this test report.

7.8.4 Test Setup

Please refer to Section 6.1 of this test report.

7.8.5 Test Procedure

The testing follows FCC KDB 971168 v03 Section 6.0.

The EUT was connected to Spectrum Analyzer and Base Station via power divider.

The RF output of EUT was connected to the spectrum analyzer by RF cable and attenuator.

The path loss was compensated to the results for each measurement.

The middle channel for the highest RF power within the transmitting frequency was measured.

The conducted spurious emission for the whole frequency range was taken.

The RF fundamental frequency should be excluded against the limit line in the operating frequency band.

The limit line is derived from $43 + 10\log(P)$ dB below the transmitter power P(Watts)

$$= P(W) - [43 + 10\log(P)] \text{ (dB)}$$

$$= [30 + 10\log(P)] \text{ (dBm)} - [43 + 10\log(P)] \text{ (dB)}$$

$$= -13\text{dBm}.$$

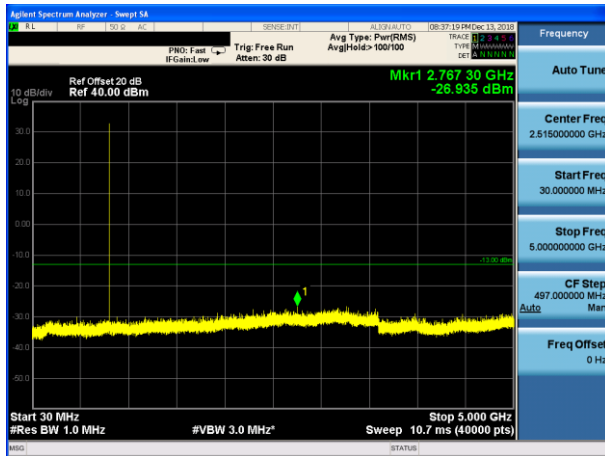
7.8.6 Test Results

EUT:	LTE SMARTPHONE	Model No.:	PSM01E
Temperature:	20 °C	Relative Humidity:	48%
Test Mode:	GSM/GPRS/EGPRS 850/ GSM/GPRS/EGPRS 1900 UMTS band II/ UMTS band V/ UMTS band IV	Test By:	Loren Luo
Results: PASS			

Test Plot

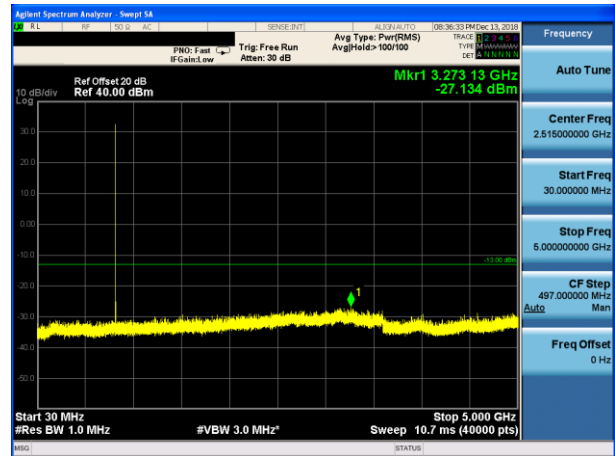
GSM850

Conducted Emission Transmitting Mode CH 128
30MHz – 5GHz

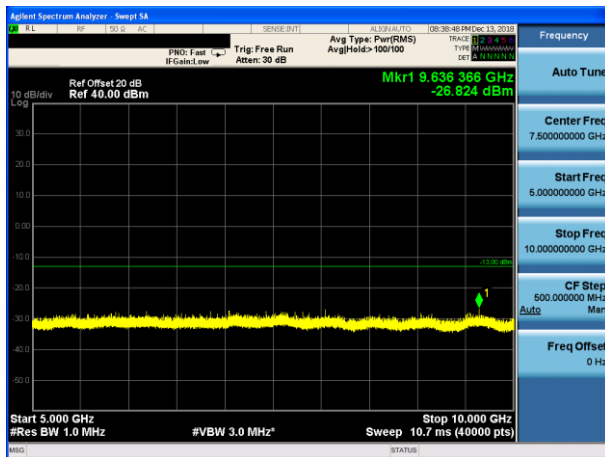


GSM850

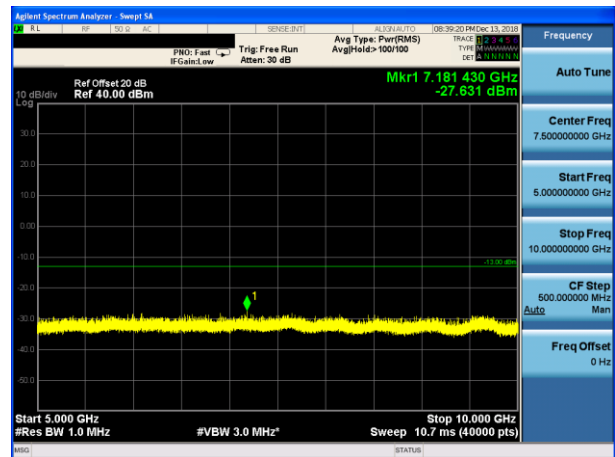
Conducted Emission Transmitting Mode CH 190
30MHz – 5GHz



Conducted Emission Transmitting Mode CH 128
5GHz – 10GHz



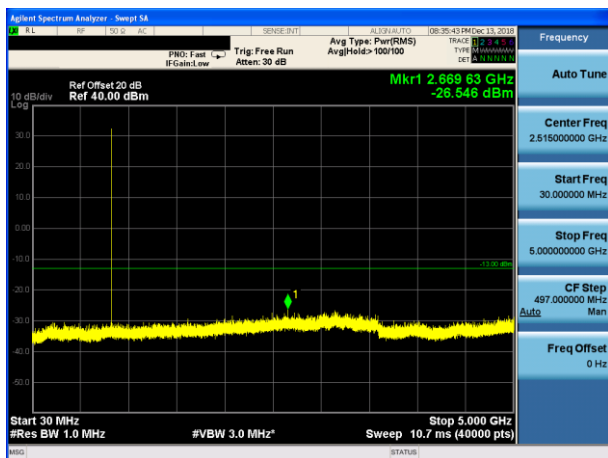
Conducted Emission Transmitting Mode CH 190
5GHz – 10GHz



Test Plot

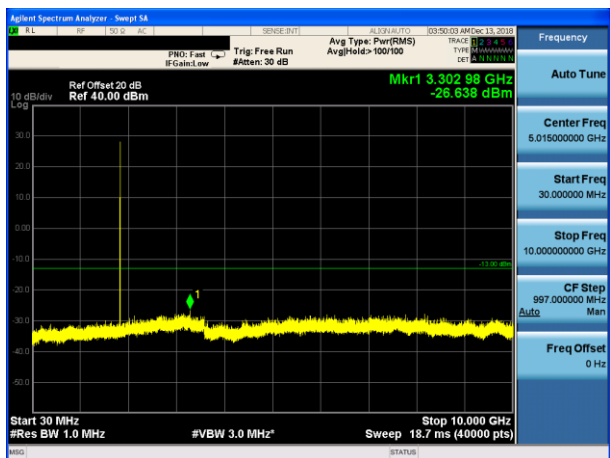
GSM850

Conducted Emission Transmitting Mode CH 251
30MHz – 5GHz

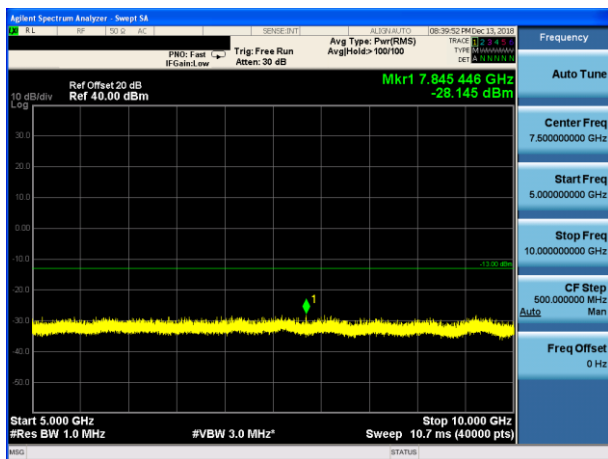


GSM1900

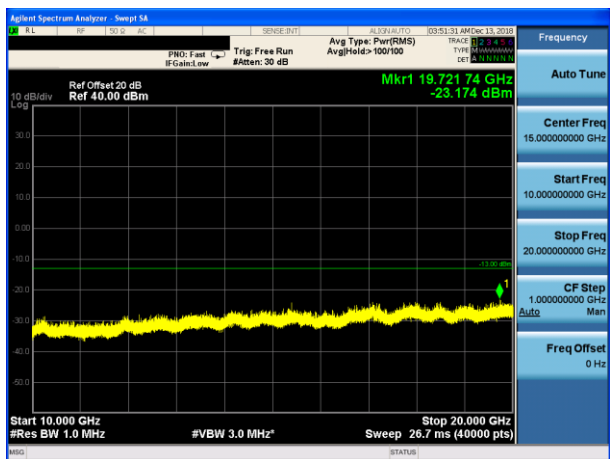
Conducted Emission Transmitting Mode CH 512
30MHz – 10GHz



Conducted Emission Transmitting Mode CH 251
5GHz – 10GHz



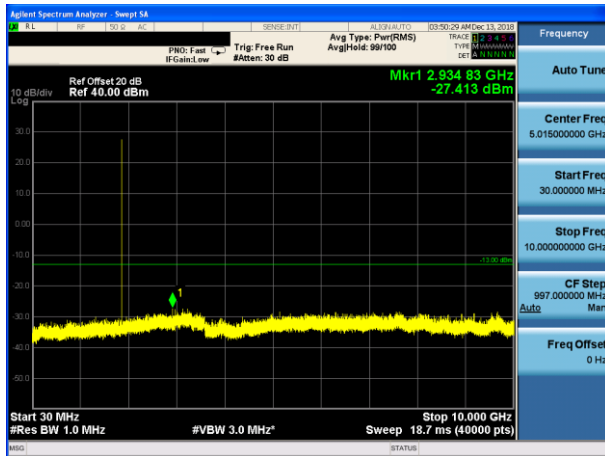
Conducted Emission Transmitting Mode CH 512
10GHz – 20GHz



Test Plot

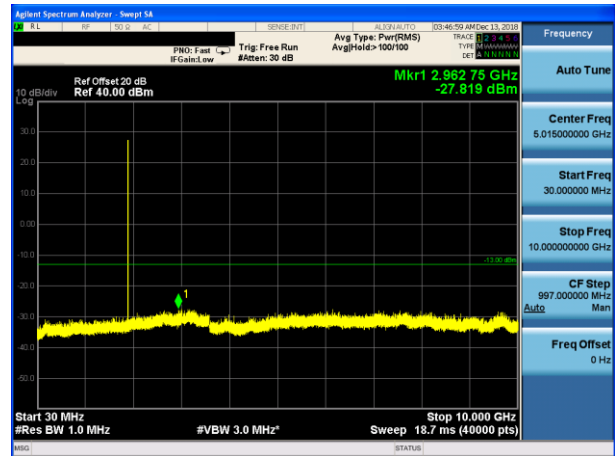
GSM1900

Conducted Emission Transmitting Mode CH 661
30MHz – 10GHz

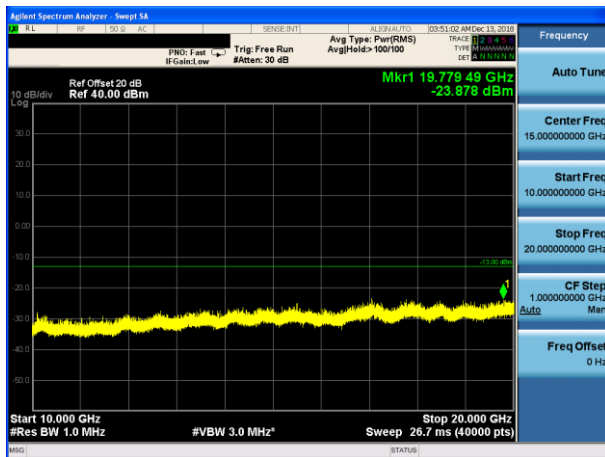


GSM1900

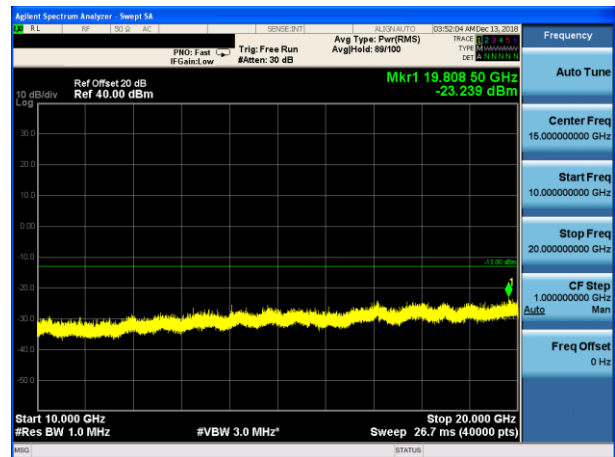
Conducted Emission Transmitting Mode CH 810
30MHz – 10GHz



Conducted Emission Transmitting Mode CH 661
10GHz – 20GHz



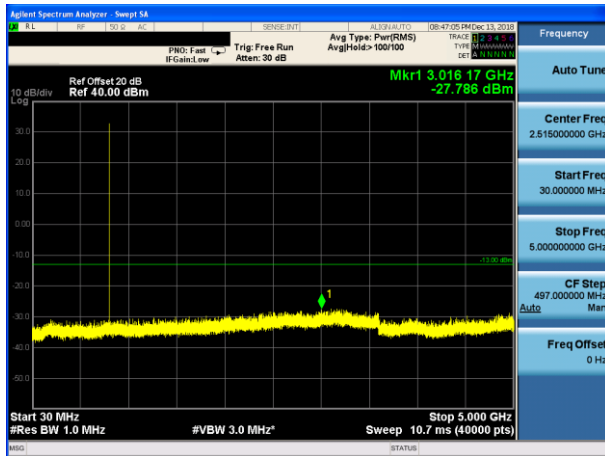
Conducted Emission Transmitting Mode CH 810
10GHz – 20GHz



Test Plot

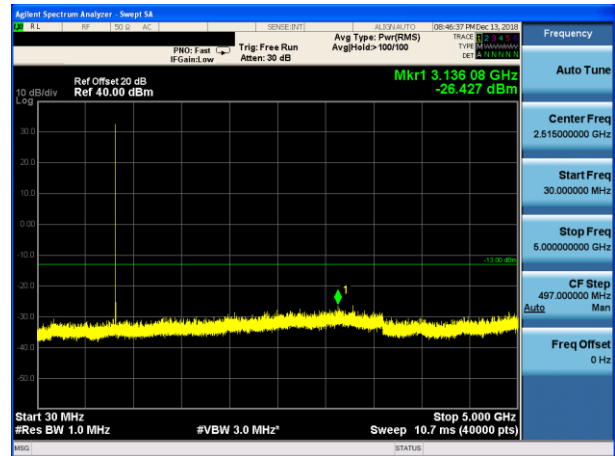
GPRS850

Conducted Emission Transmitting Mode CH 128
30MHz – 5GHz

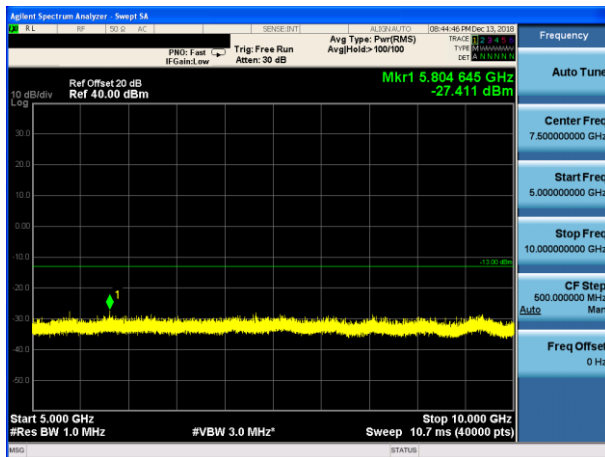


GPRS850

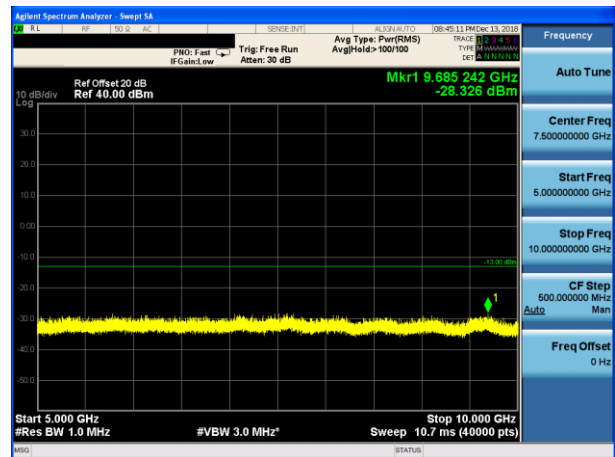
Conducted Emission Transmitting Mode CH 190
30MHz – 5GHz



Conducted Emission Transmitting Mode CH 128
5GHz – 10GHz



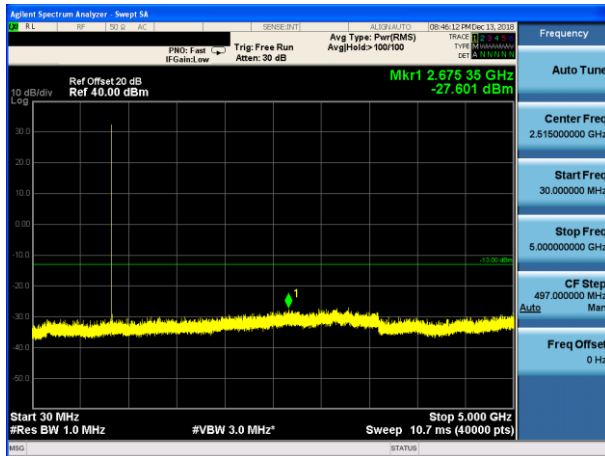
Conducted Emission Transmitting Mode CH 190
5GHz – 10GHz



Test Plot

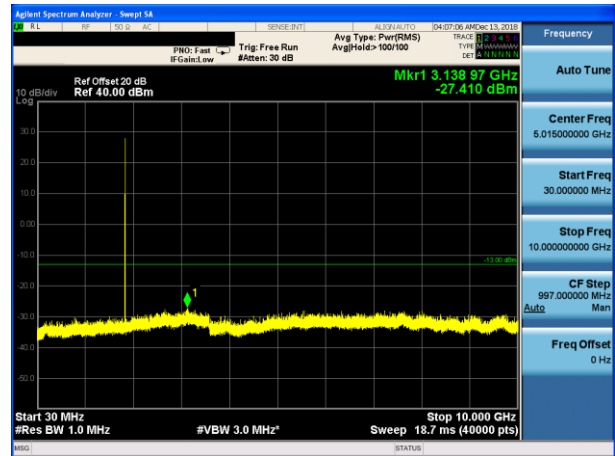
GPRS850

Conducted Emission Transmitting Mode CH 251
30MHz – 5GHz

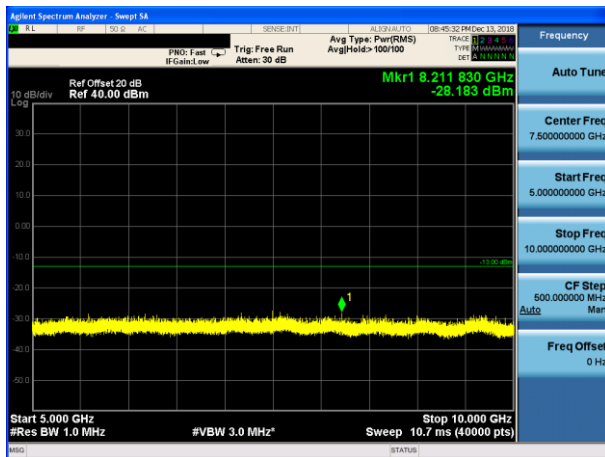


GPRS1900

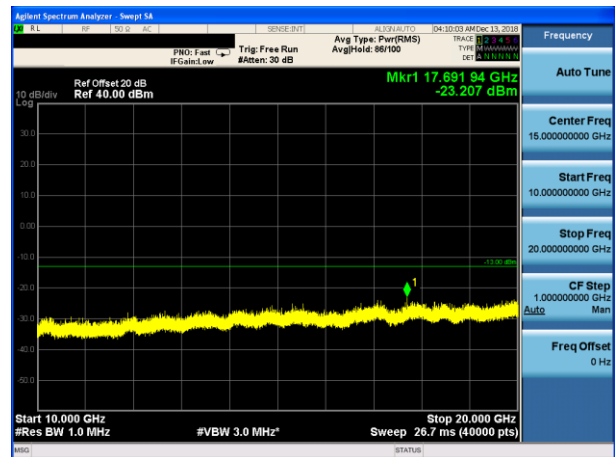
Conducted Emission Transmitting Mode CH 512
30MHz – 10GHz



Conducted Emission Transmitting Mode CH 251
5GHz – 10GHz



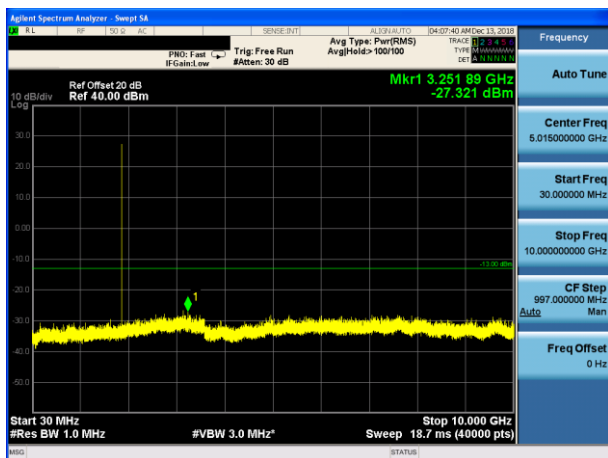
Conducted Emission Transmitting Mode CH 512
10GHz – 20GHz



Test Plot

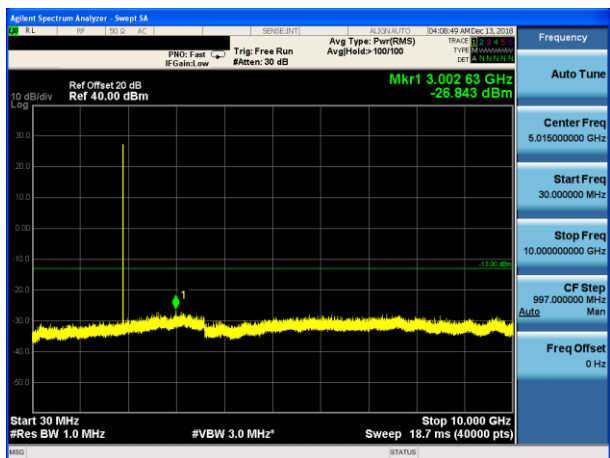
GPRS1900

Conducted Emission Transmitting Mode CH 661
30MHz – 10GHz

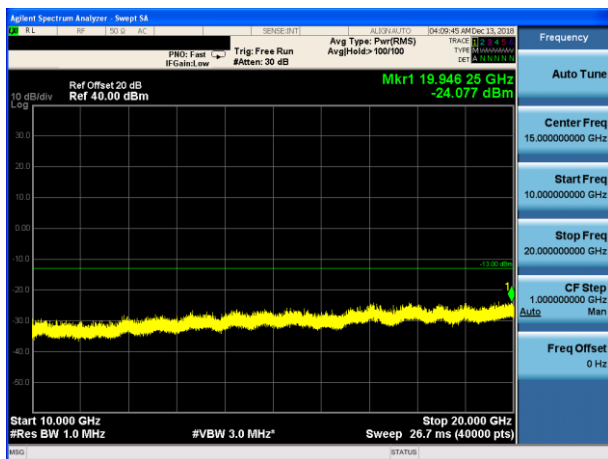


GPRS1900

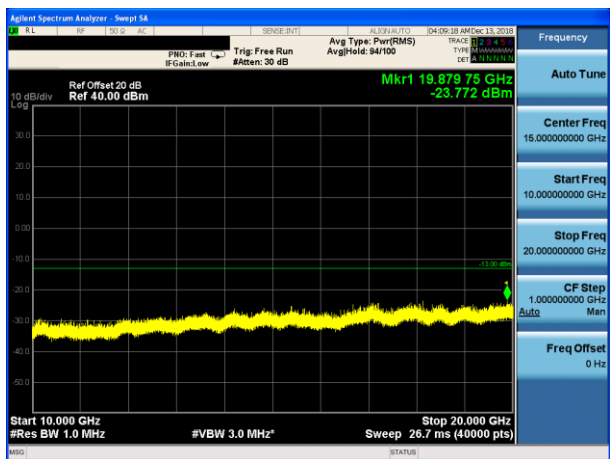
Conducted Emission Transmitting Mode CH 810
30MHz – 10GHz



Conducted Emission Transmitting Mode CH 661
10GHz – 20GHz



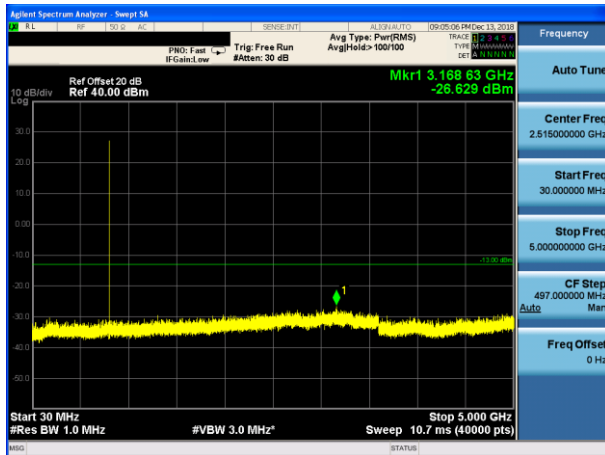
Conducted Emission Transmitting Mode CH 810
10GHz – 20GHz



Test Plot

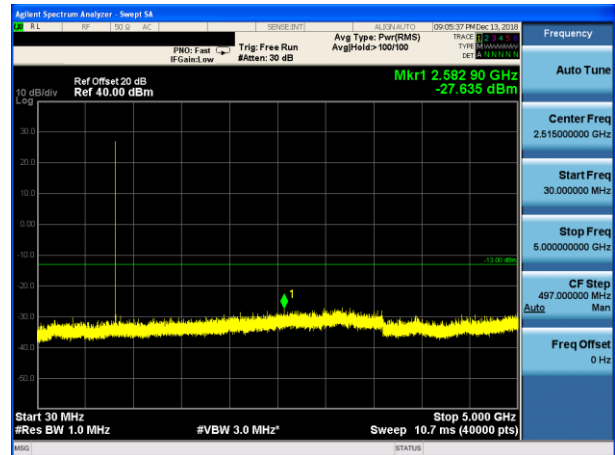
EGPRS850

Conducted Emission Transmitting Mode CH 128
30MHz – 5GHz

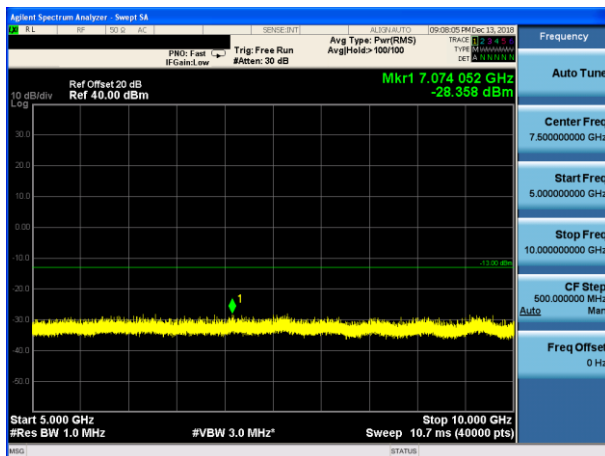


EGPRS850

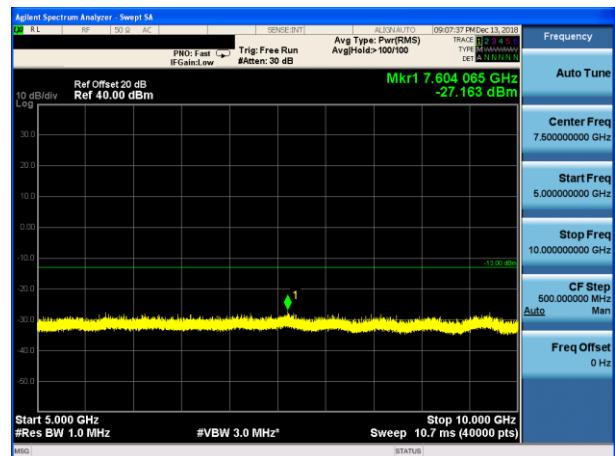
Conducted Emission Transmitting Mode CH 190
30MHz – 5GHz



Conducted Emission Transmitting Mode CH 128
5GHz – 10GHz



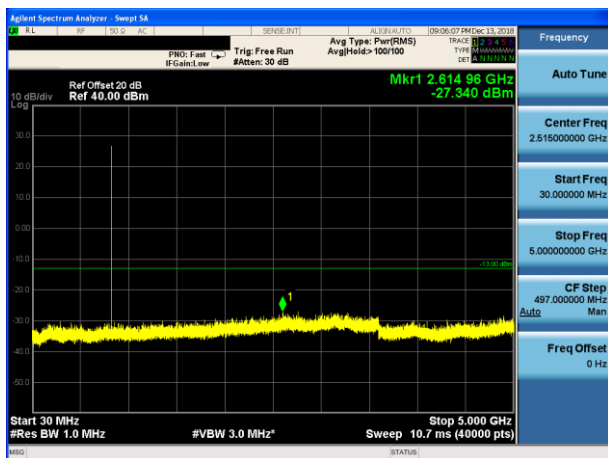
Conducted Emission Transmitting Mode CH 190
5GHz – 10GHz



Test Plot

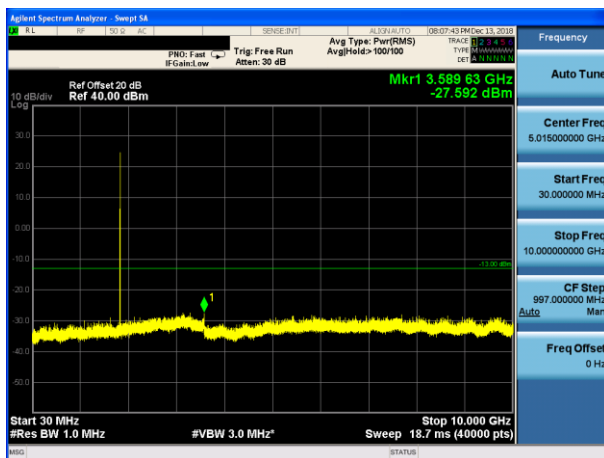
EGPRS850

Conducted Emission Transmitting Mode CH 251
30MHz – 5GHz

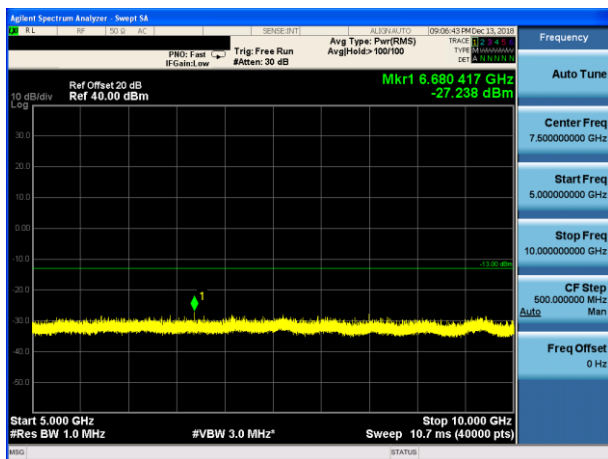


EGPRS1900

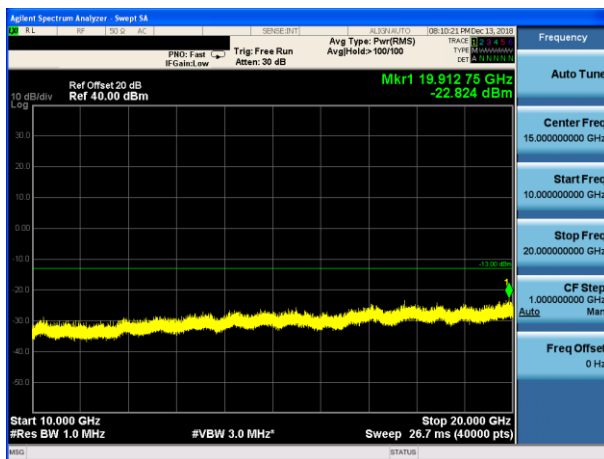
Conducted Emission Transmitting Mode CH 512
30MHz – 10GHz



Conducted Emission Transmitting Mode CH 251
5GHz – 10GHz



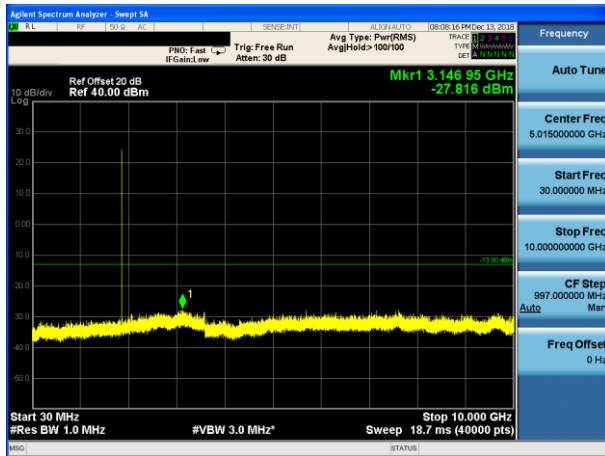
Conducted Emission Transmitting Mode CH 512
10GHz – 20GHz



Test Plot

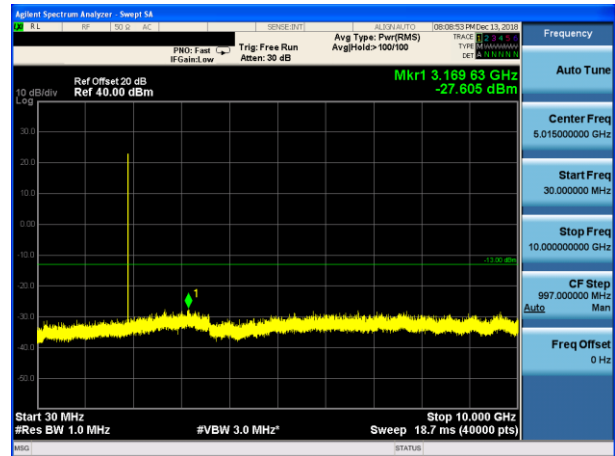
EGPRS1900

Conducted Emission Transmitting Mode CH 661
30MHz – 10GHz

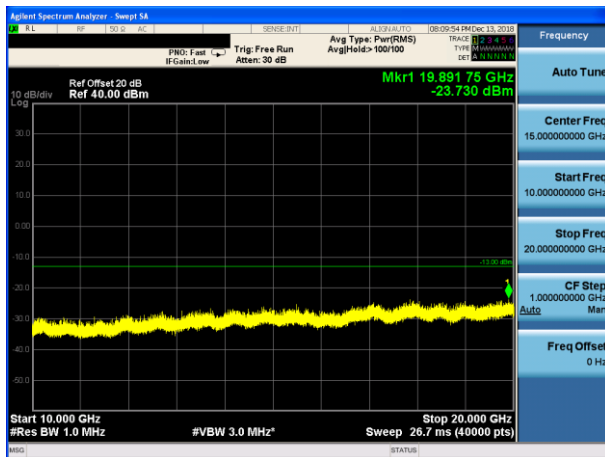


EGPRS1900

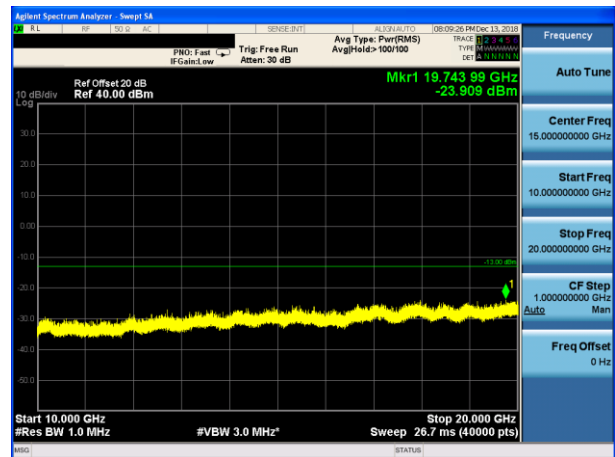
Conducted Emission Transmitting Mode CH 810
30MHz – 10GHz



Conducted Emission Transmitting Mode CH 661
10GHz – 20GHz



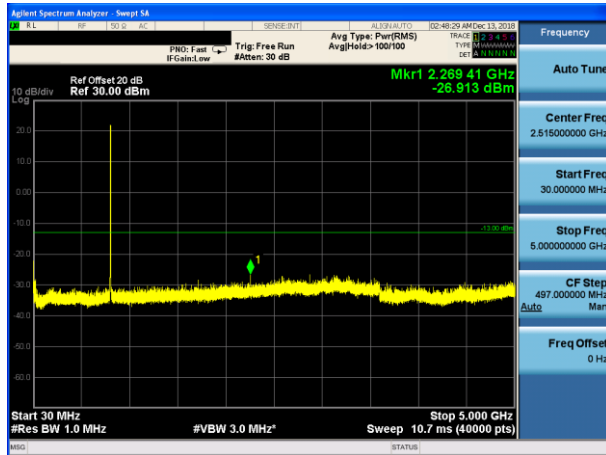
Conducted Emission Transmitting Mode CH 810
10GHz – 20GHz



Test Plot

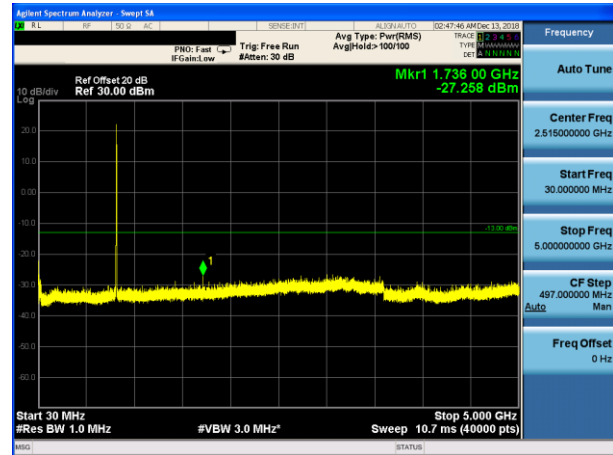
UMTS band V

Conducted Emission Transmitting Mode CH
4132 30MHz – 5GHz

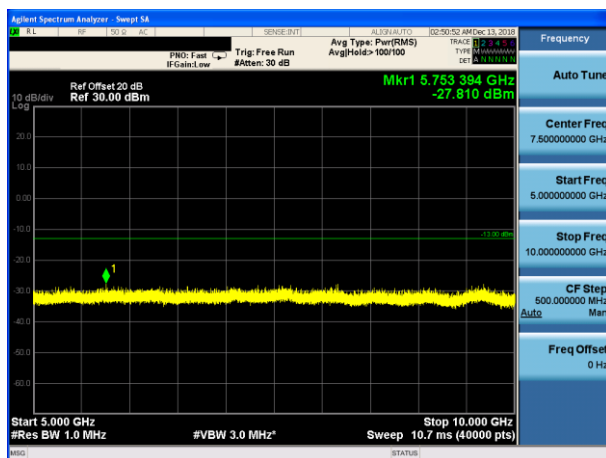


UMTS band V

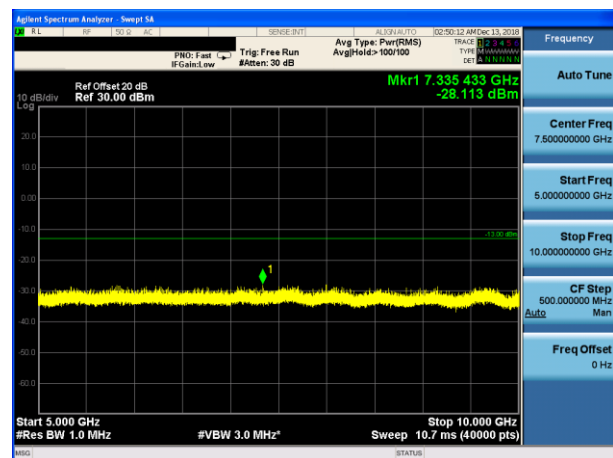
Conducted Emission Transmitting Mode CH 4183
30MHz – 5GHz



Conducted Emission Transmitting Mode CH
4132 5GHz – 10GHz



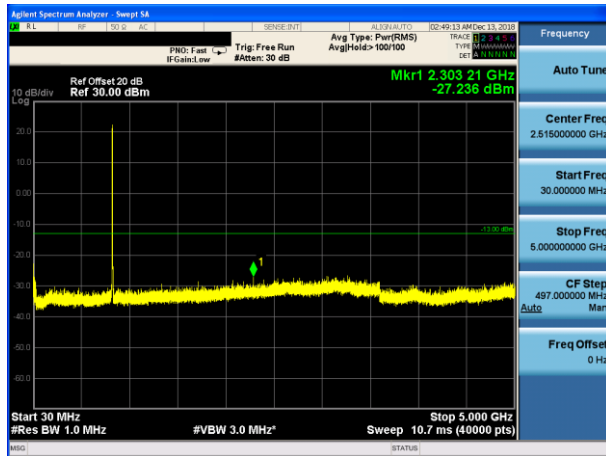
Conducted Emission Transmitting Mode CH 4183
5GHz – 10GHz



Test Plot

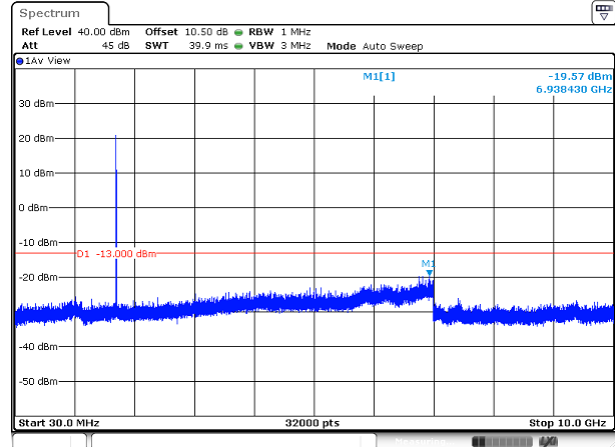
UMTS band V

Conducted Emission Transmitting Mode CH
4233 30MHz – 5GHz

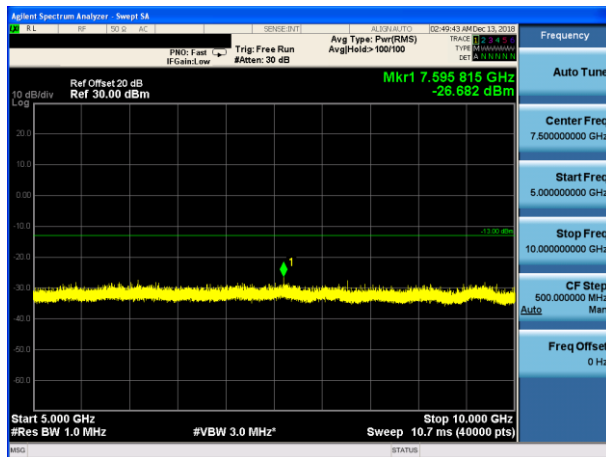


UMTS band IV

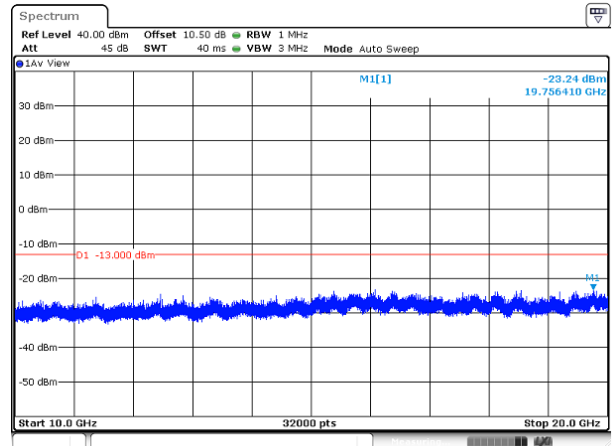
Conducted Emission Transmitting Mode CH 1312
30MHz – 10GHz



Conducted Emission Transmitting Mode CH
4233 5GHz – 10GHz



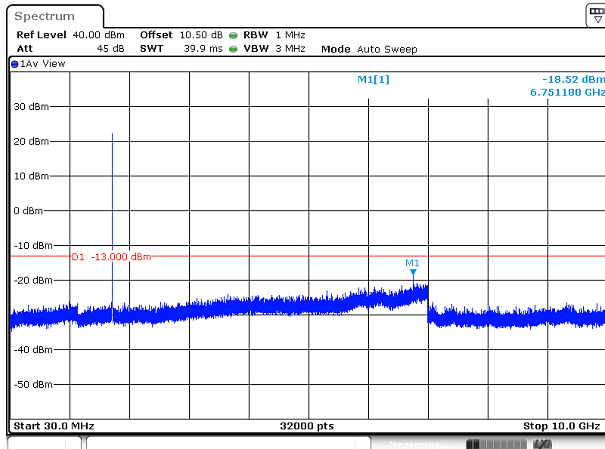
Conducted Emission Transmitting Mode CH 1312
10GHz – 20GHz



Test Plot

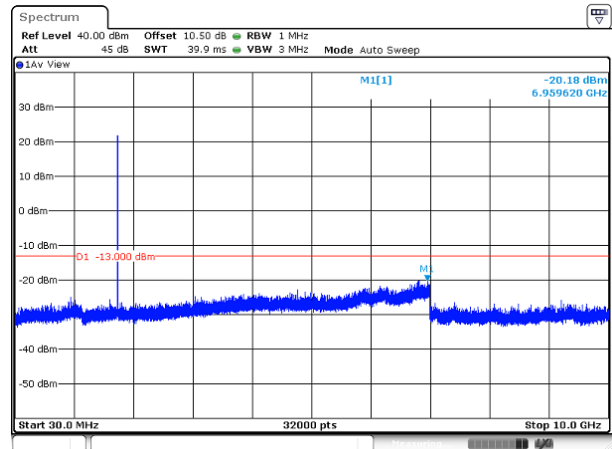
UMTS band IV

Conducted Emission Transmitting Mode CH
1412 30MHz – 10GHz

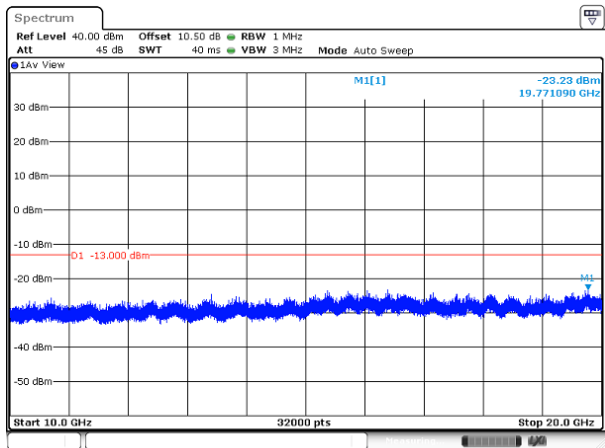


UMTS band IV

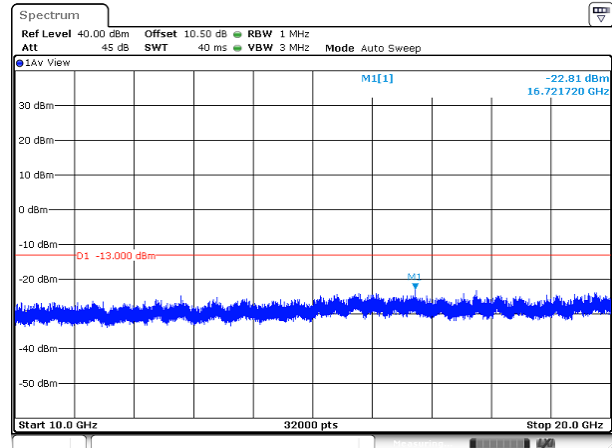
Conducted Emission Transmitting Mode CH 1513
30MHz – 10GHz



Conducted Emission Transmitting Mode CH
1412 10GHz – 20GHz



Conducted Emission Transmitting Mode CH 1513
10GHz – 20GHz



UMTS band II Test data reference attachment

8 TEST RESULT FOR BAND 2

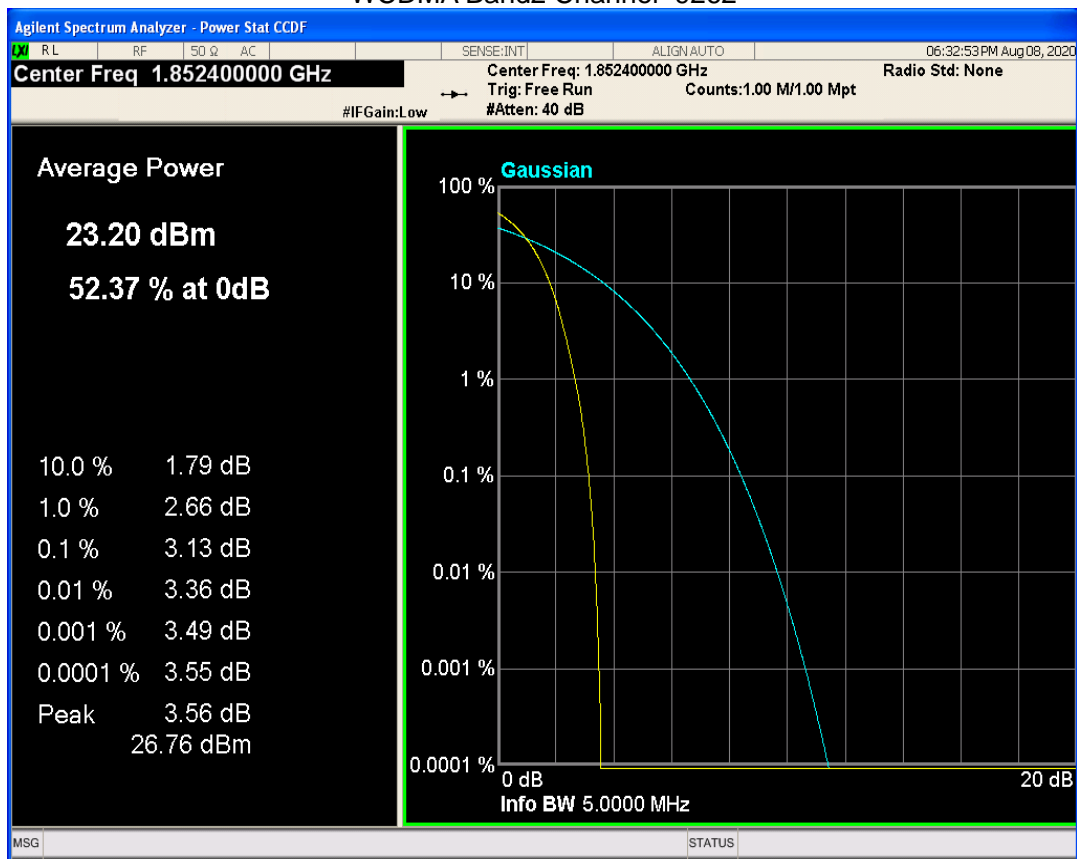
8.1 CONDUCTED OUTPUT POWER

Band	Channel	Frequency (MHz)	Power (dBm)
WCDMA Band2	9262	1852.4	23.03
WCDMA Band2	9400	1880	23.21
WCDMA Band2	9538	1907.6	23.17
WCDMA Band2 Subtest1	9262	1852.4	22.12
WCDMA Band2 Subtest1	9400	1880	22.16
WCDMA Band2 Subtest1	9538	1907.6	22.31
WCDMA Band2 Subtest2	9262	1852.4	21.66
WCDMA Band2 Subtest2	9400	1880	21.59
WCDMA Band2 Subtest2	9538	1907.6	21.79
WCDMA Band2 Subtest3	9262	1852.4	20.42
WCDMA Band2 Subtest3	9400	1880	20.45
WCDMA Band2 Subtest3	9538	1907.6	20.85
WCDMA Band2 Subtest4	9262	1852.4	20.43
WCDMA Band2 Subtest4	9400	1880	20.92
WCDMA Band2 Subtest4	9538	1907.6	20.82
WCDMA Band2 Subtest1	9262	1852.4	21.61
WCDMA Band2 Subtest1	9400	1880	21.81
WCDMA Band2 Subtest1	9538	1907.6	21.91
WCDMA Band2 Subtest2	9262	1852.4	21.98
WCDMA Band2 Subtest2	9400	1880	22.15
WCDMA Band2 Subtest2	9538	1907.6	22.18
WCDMA Band2 Subtest3	9262	1852.4	20.88
WCDMA Band2 Subtest3	9400	1880	20.89
WCDMA Band2 Subtest3	9538	1907.6	21.15
WCDMA Band2 Subtest4	9262	1852.4	22.16
WCDMA Band2 Subtest4	9400	1880	22.26
WCDMA Band2 Subtest4	9538	1907.6	22.38
WCDMA Band2 Subtest5	9262	1852.4	21.28
WCDMA Band2 Subtest5	9400	1880	21.39
WCDMA Band2 Subtest5	9538	1907.6	21.28

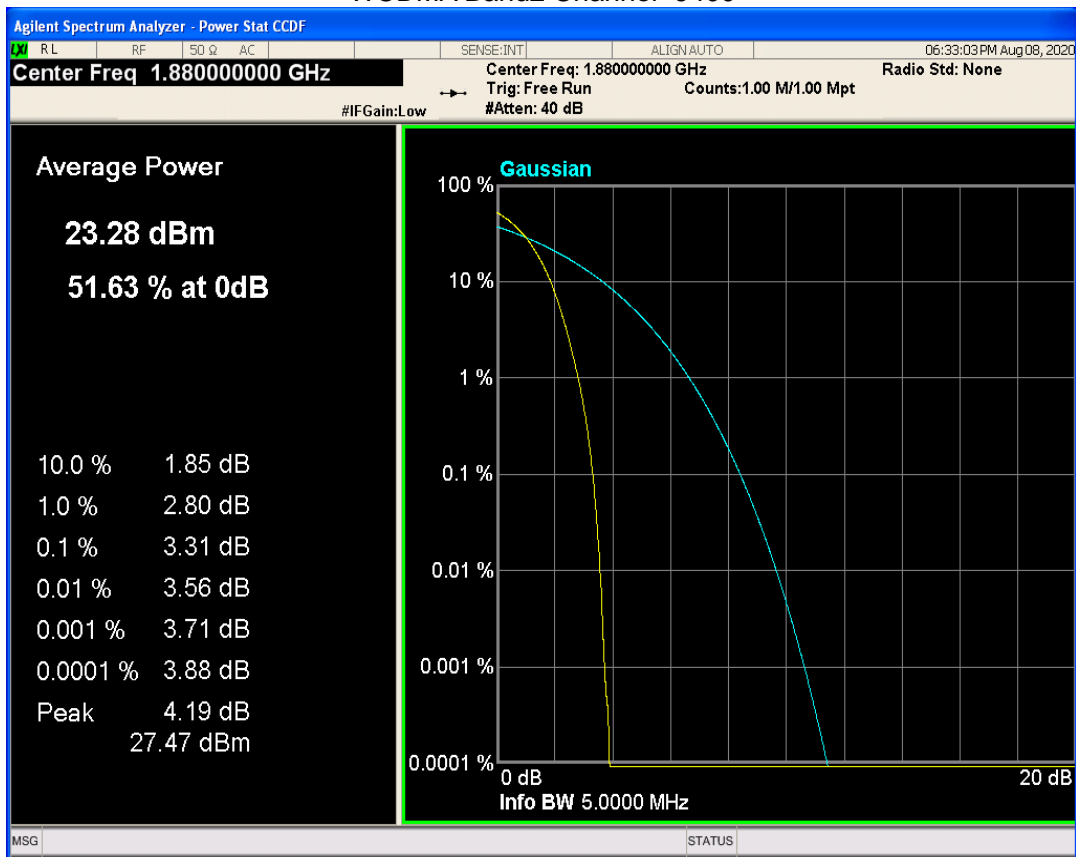
8.2 PEAK-TO-AVERAGE RATIO

Band	Channel	Frequency (MHz)	Result (dB)	high Limit (dB)	Verdict
WCDMA Band2	9262	1852.4	3.13	13	PASS
WCDMA Band2	9400	1880	3.31	13	PASS
WCDMA Band2	9538	1907.6	3.01	13	PASS

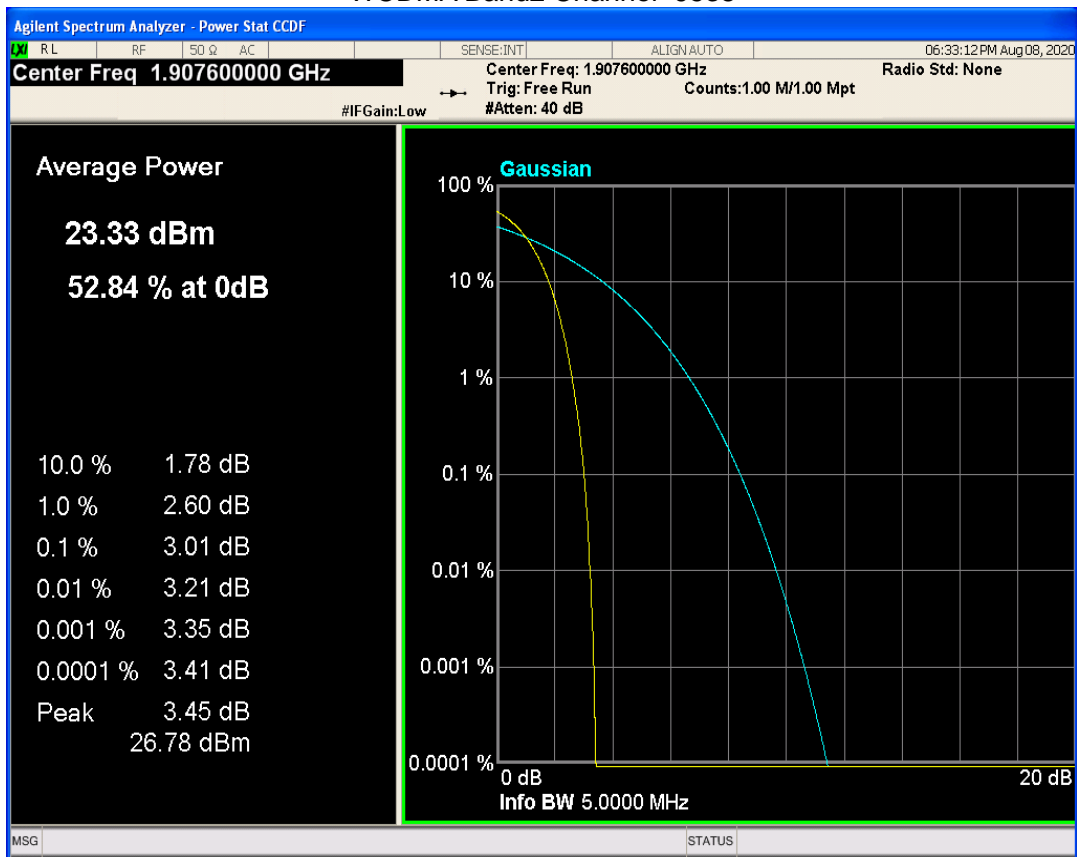
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9400



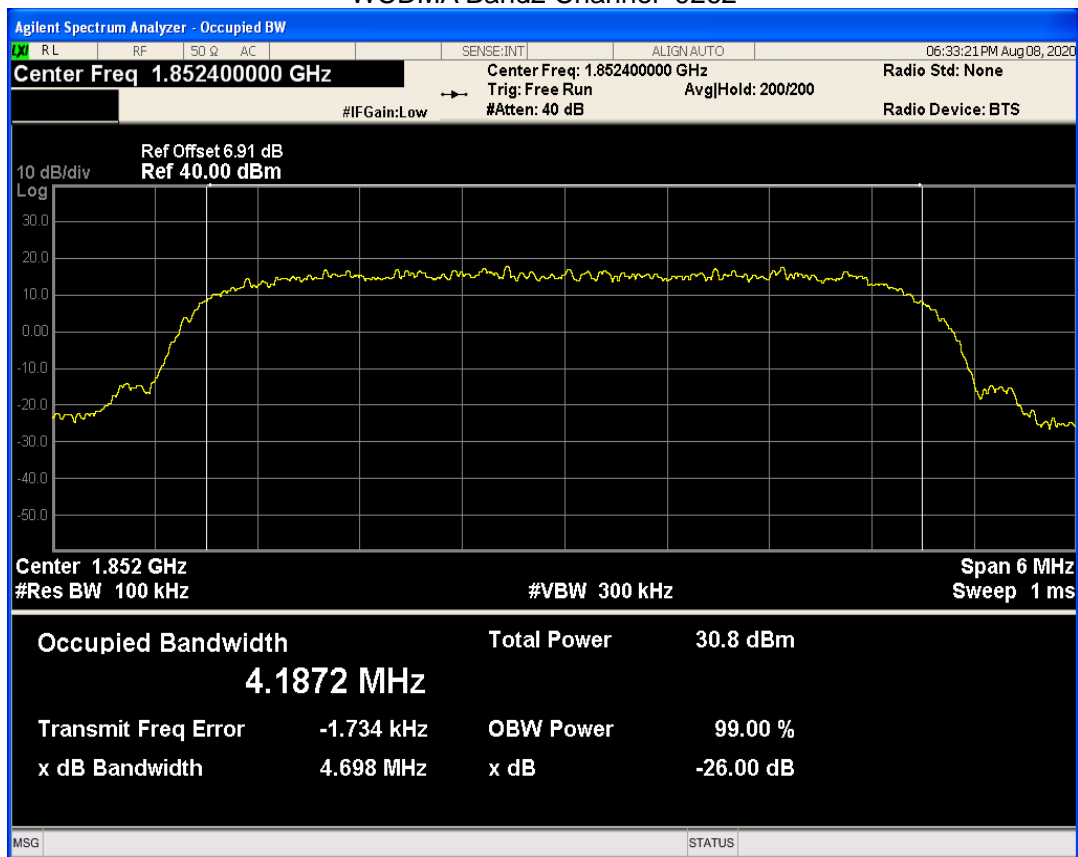
WCDMA Band2 Channel=9538



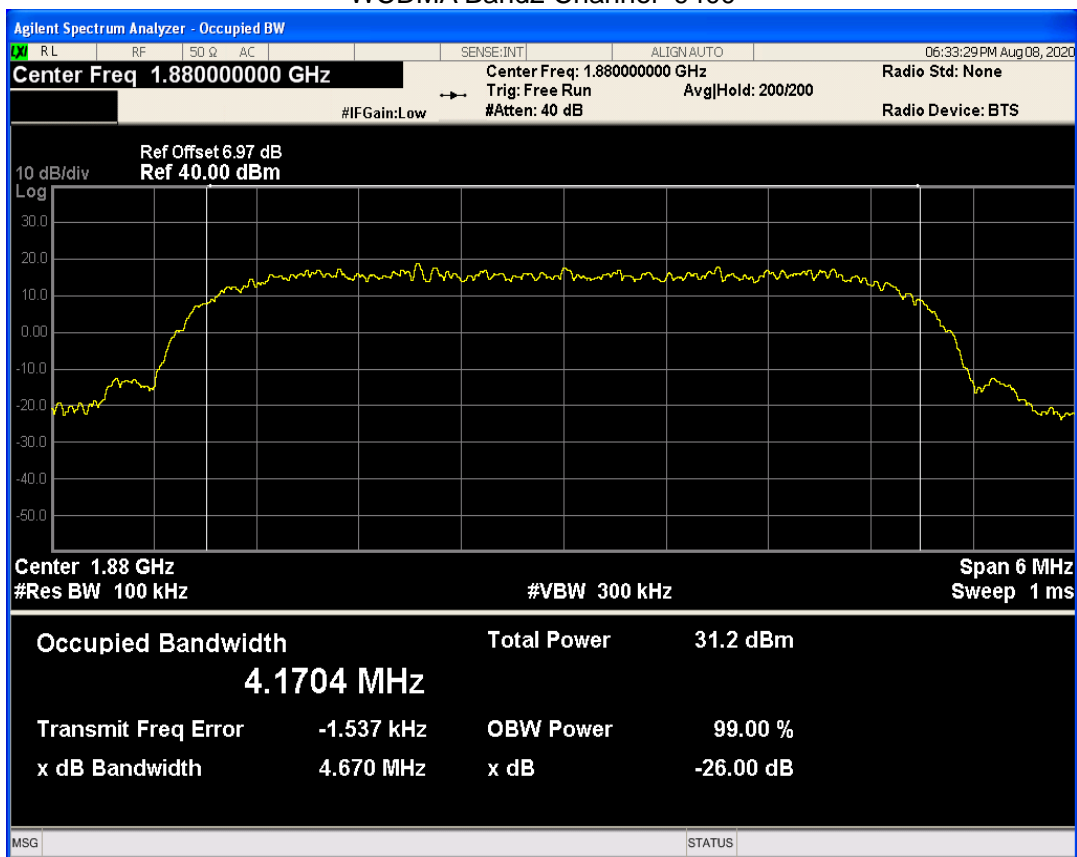
8.3 OCCUPIED BANDWIDTH

Band	Channel	Frequency (MHz)	99% OBW (kHz)	-26dB EBW (kHz)	Verdict
WCDMA Band2	9262	1852.4	4187.178	4697.730	PASS
WCDMA Band2	9400	1880	4170.437	4670.467	PASS
WCDMA Band2	9538	1907.6	4176.448	4718.847	PASS

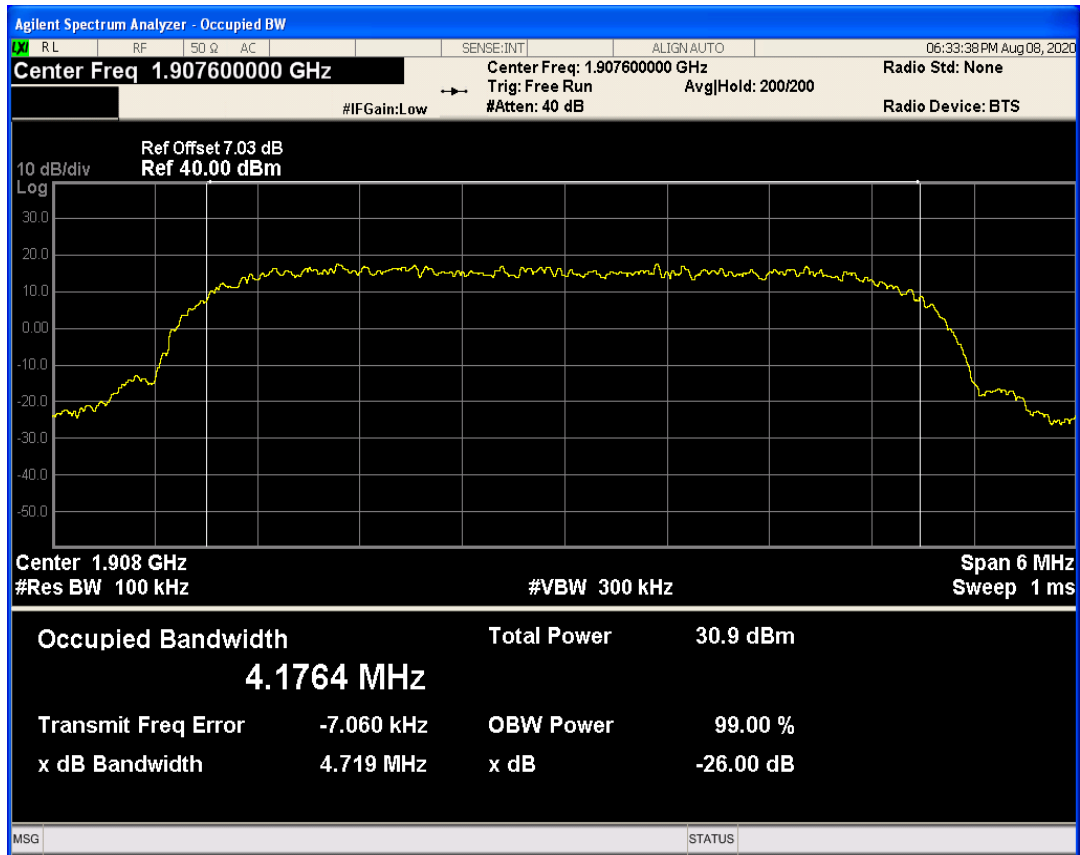
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9400



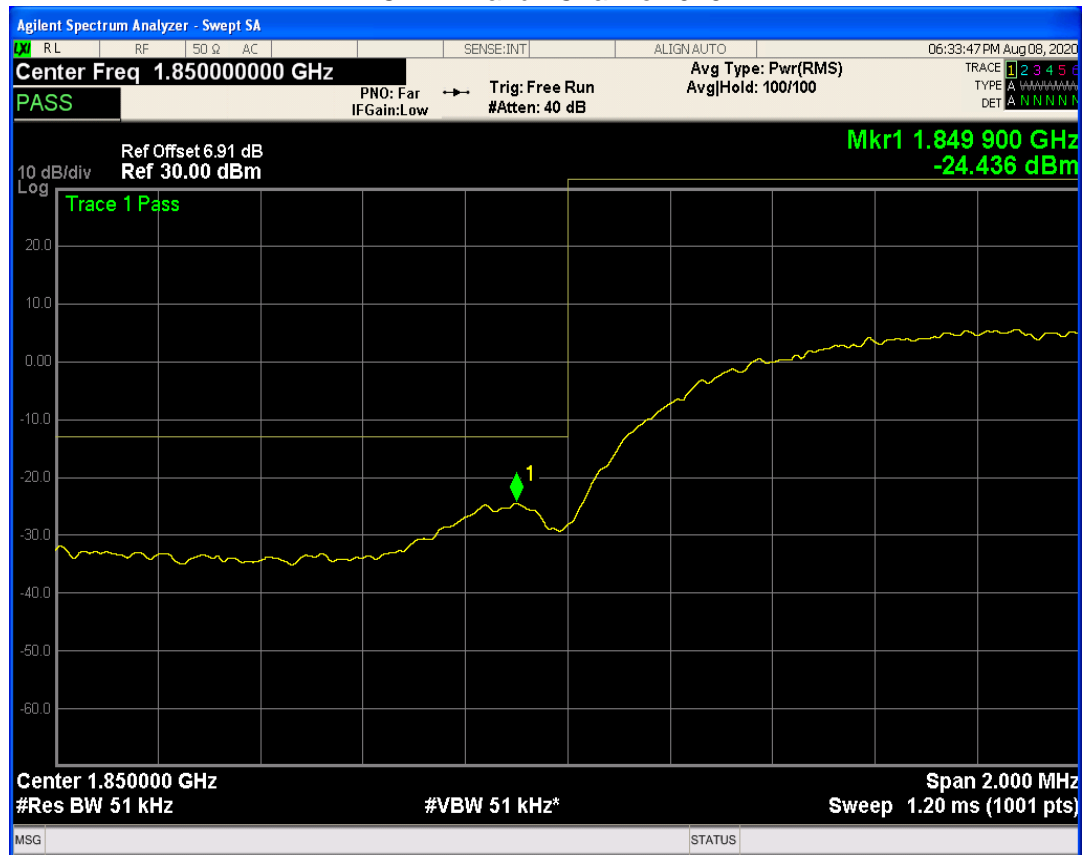
WCDMA Band2 Channel=9538



8.4 BAND EDGE

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	1849.90	-24.43	-13	PASS
WCDMA Band2	9538	1907.6	1910.09	-25.80	-13	PASS

WCDMA Band2 Channel=9262



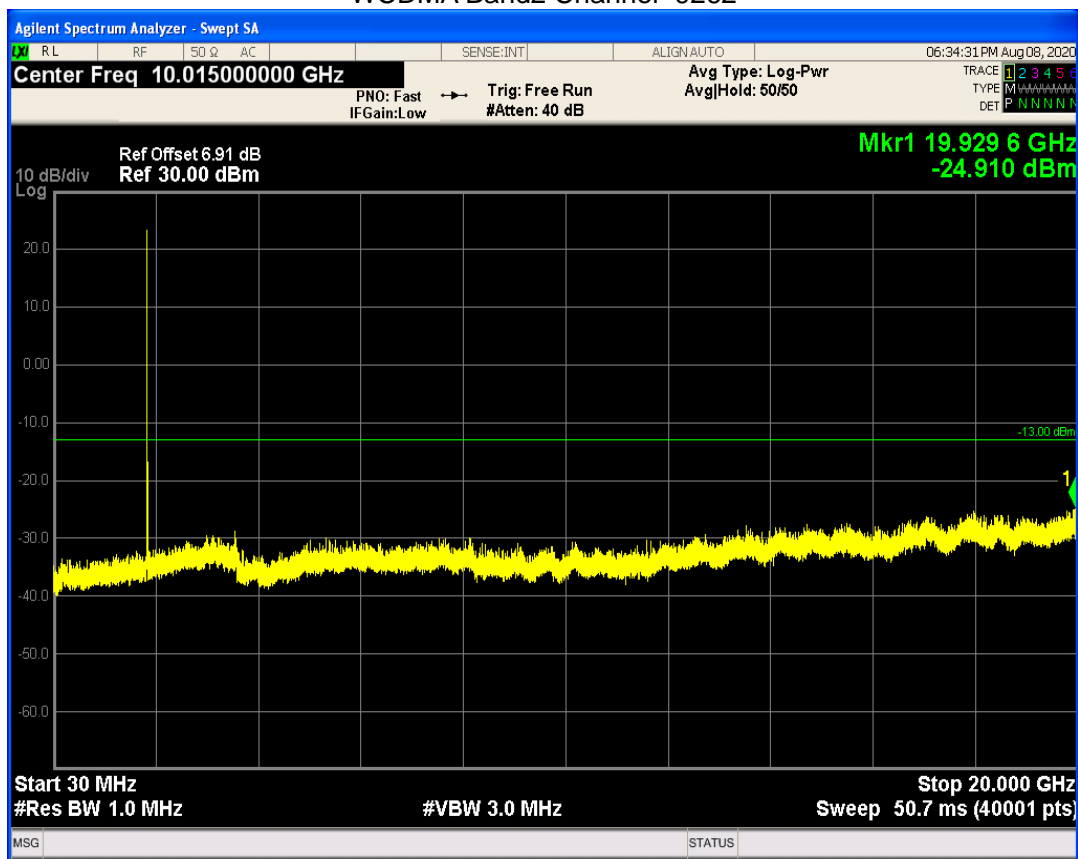
WCDMA Band2 Channel=9538



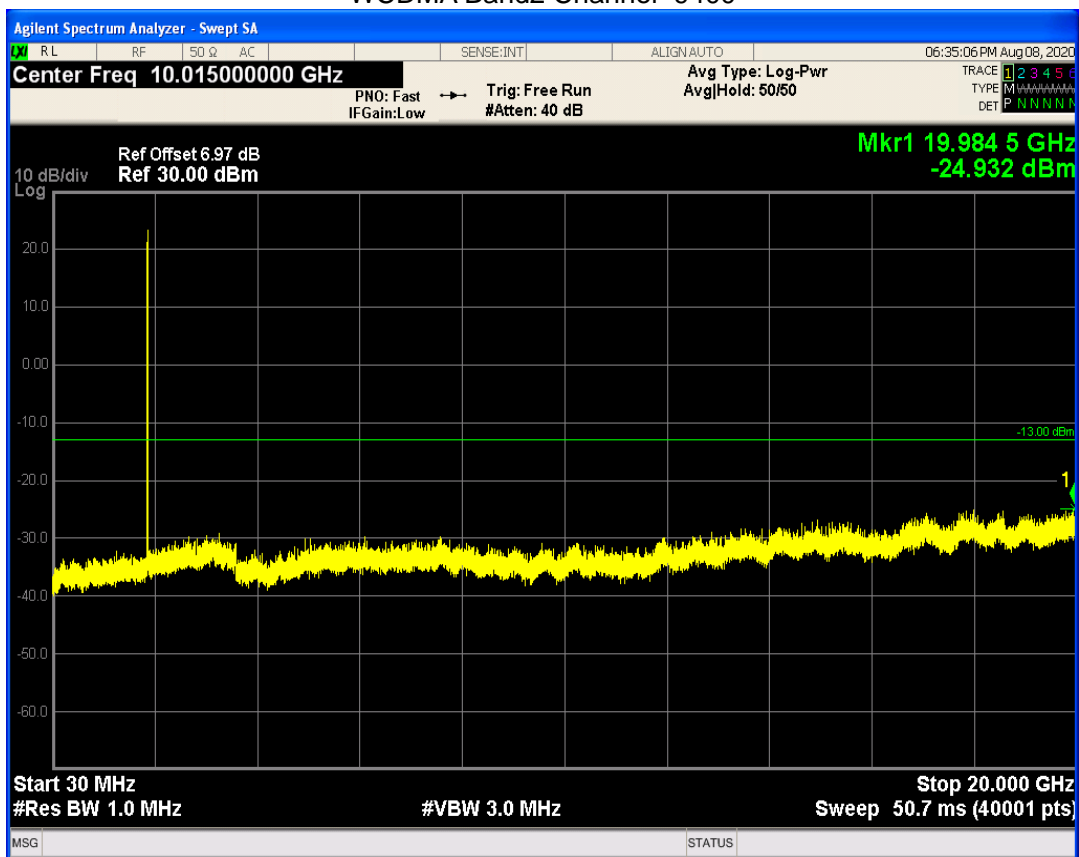
8.5 OUT-OF-BAND EMISSIONS

Band	Channel	Frequency (MHz)	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
WCDMA Band2	9262	1852.4	19929.61	-24.91	-13	PASS
WCDMA Band2	9400	1880	19984.52	-24.93	-13	PASS
WCDMA Band2	9538	1907.6	19801.30	-24.32	-13	PASS

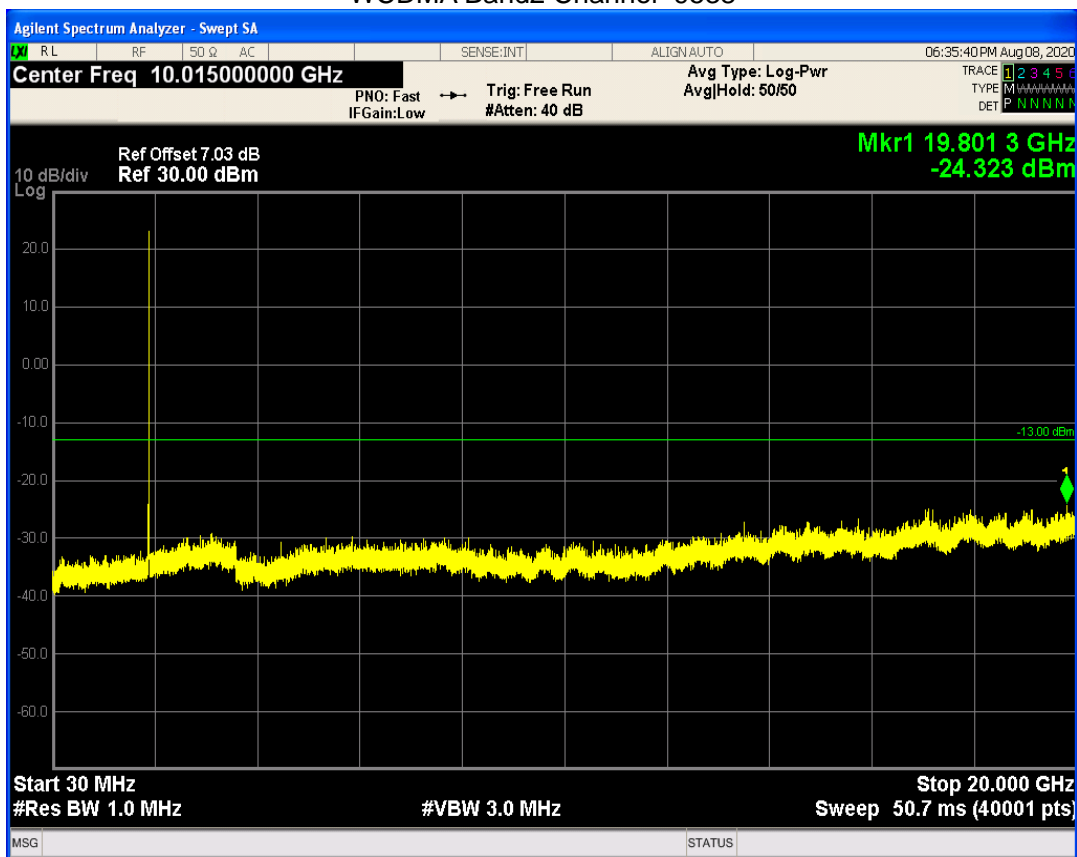
WCDMA Band2 Channel=9262



WCDMA Band2 Channel=9400



WCDMA Band2 Channel=9538



END OF REPORT