



FCC Test Report of UMG587/E587u-5
FCC ID: QISE587U-5
IC ID: 6369A-E587U5



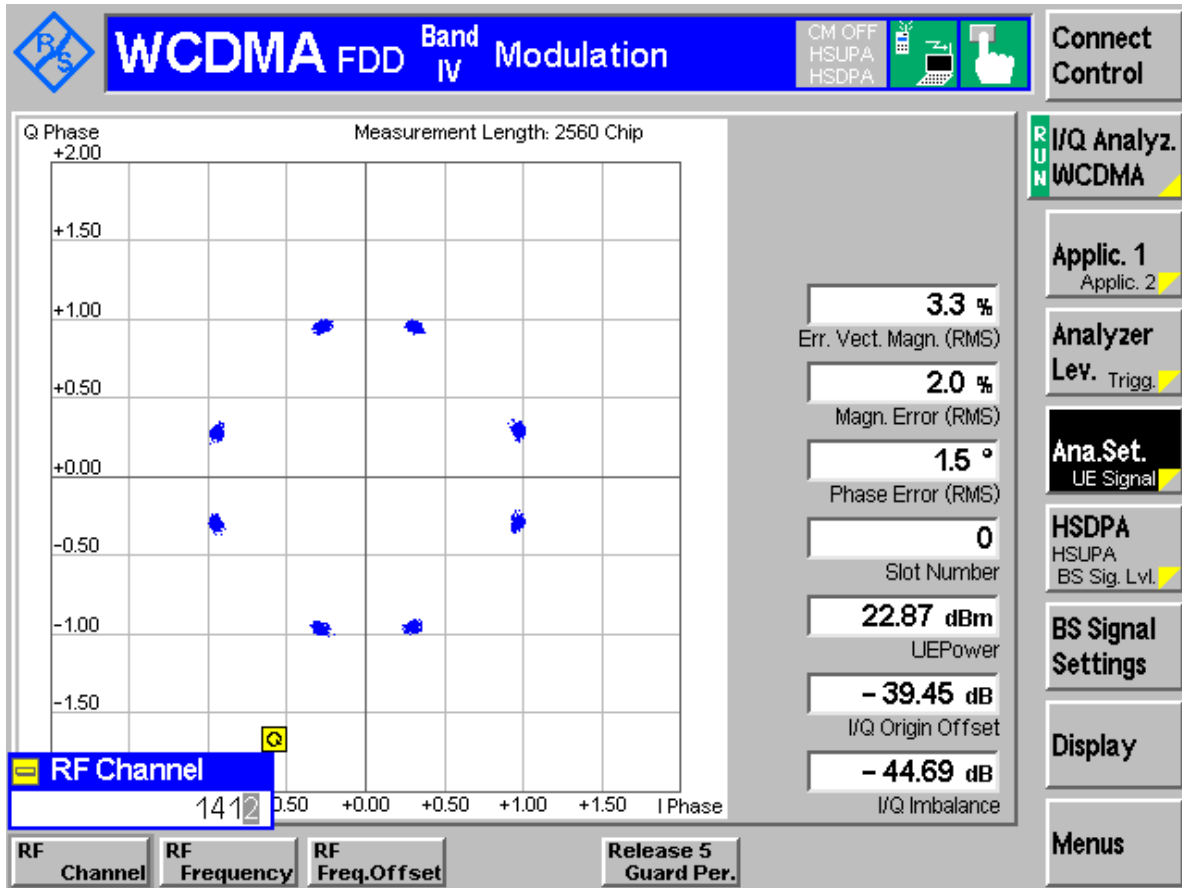
Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part 27 Subpart C&L
&RSS-139



TM1: WCDMA Channel 1412





FCC Test Report of UMG587/E587u-5
FCC ID: QISE587U-5
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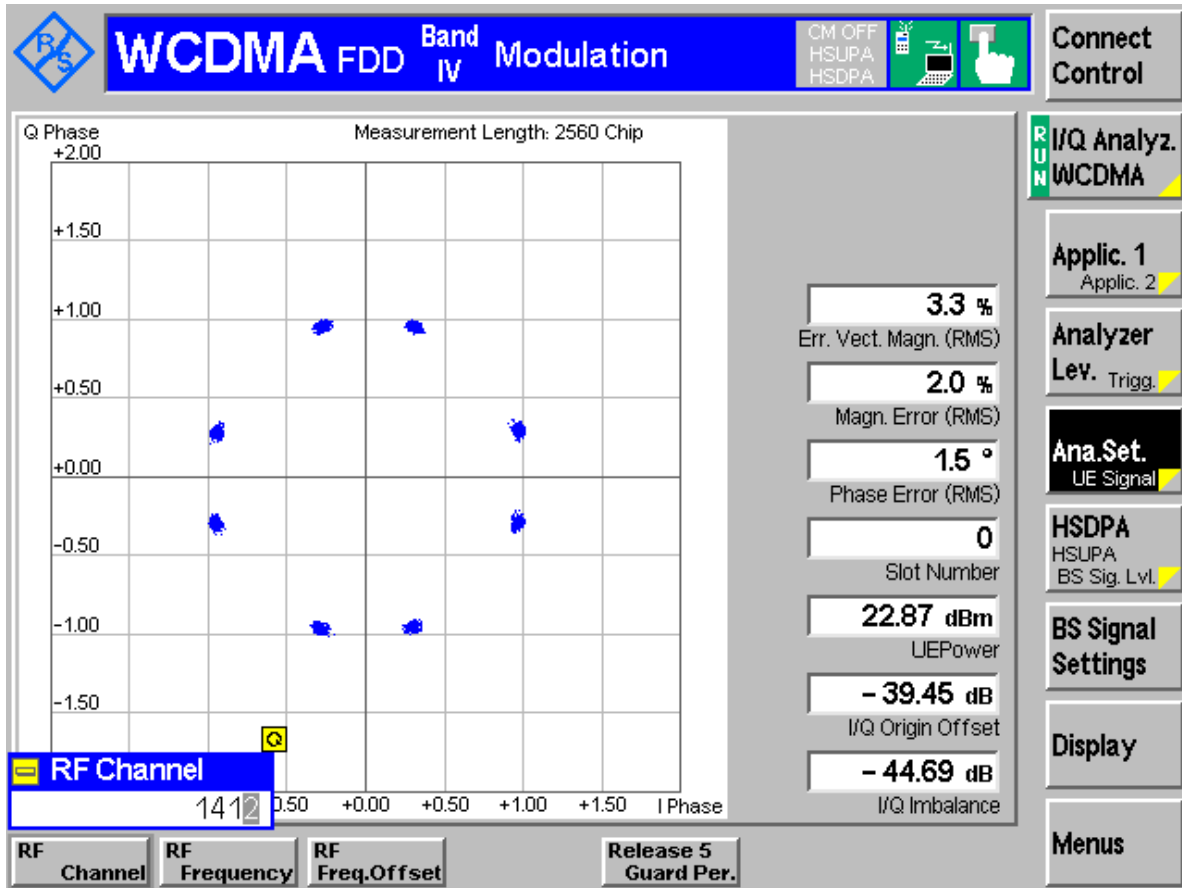
Appendix A

Modulation Characteristics

According to FCC Part 2.1047 & Part 27 Subpart C&L
&RSS-139



TM1: WCDMA Channel 1412





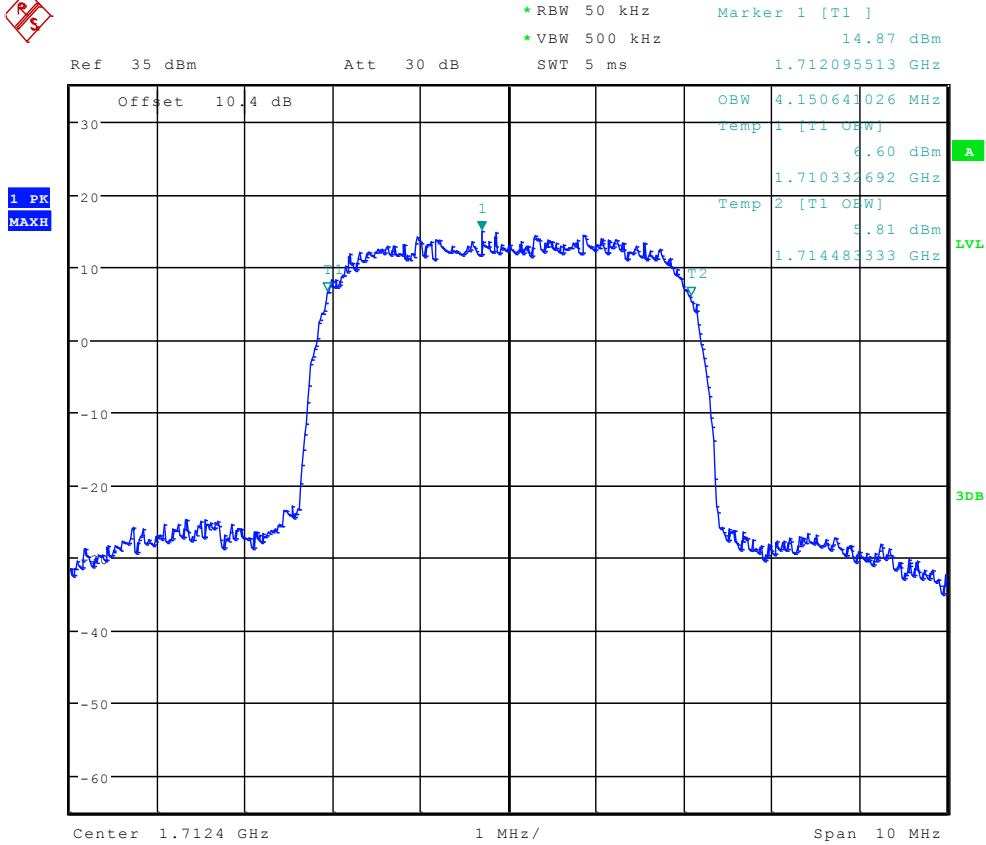
Appendix B

Occupied Bandwidth

According to FCC Part 2.1049 & Part 27 Subpart C&L
&RSS-139

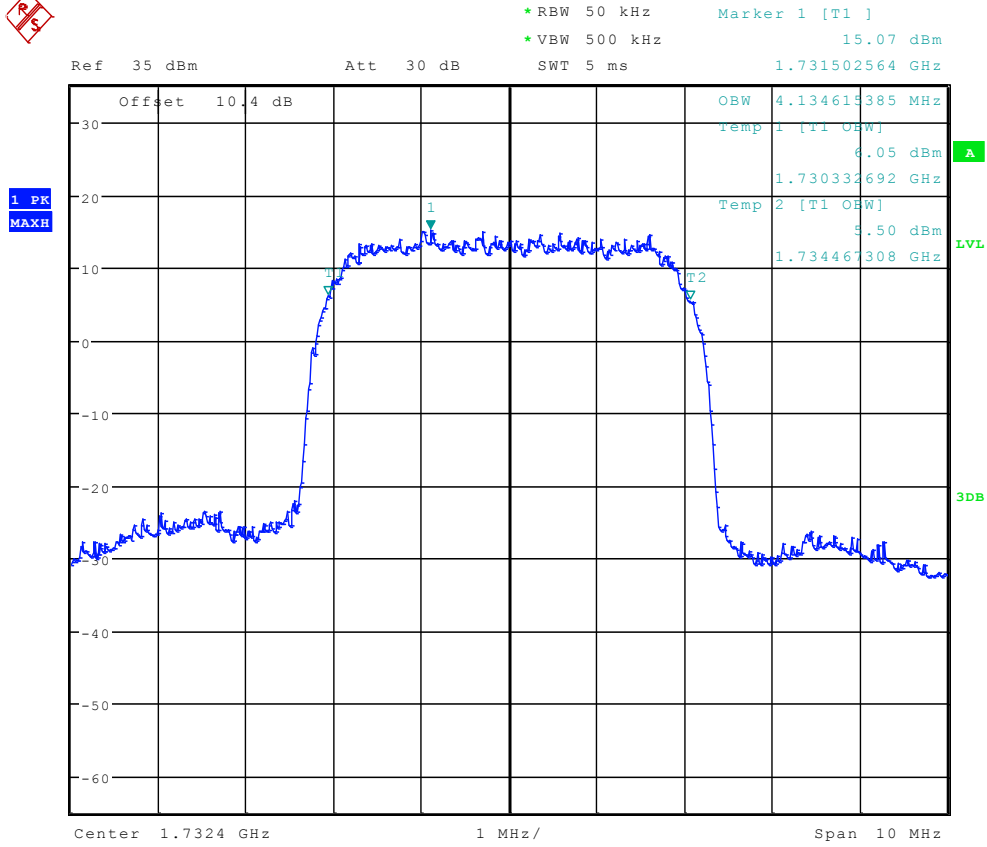


TM1: WCDMA Channel 1312



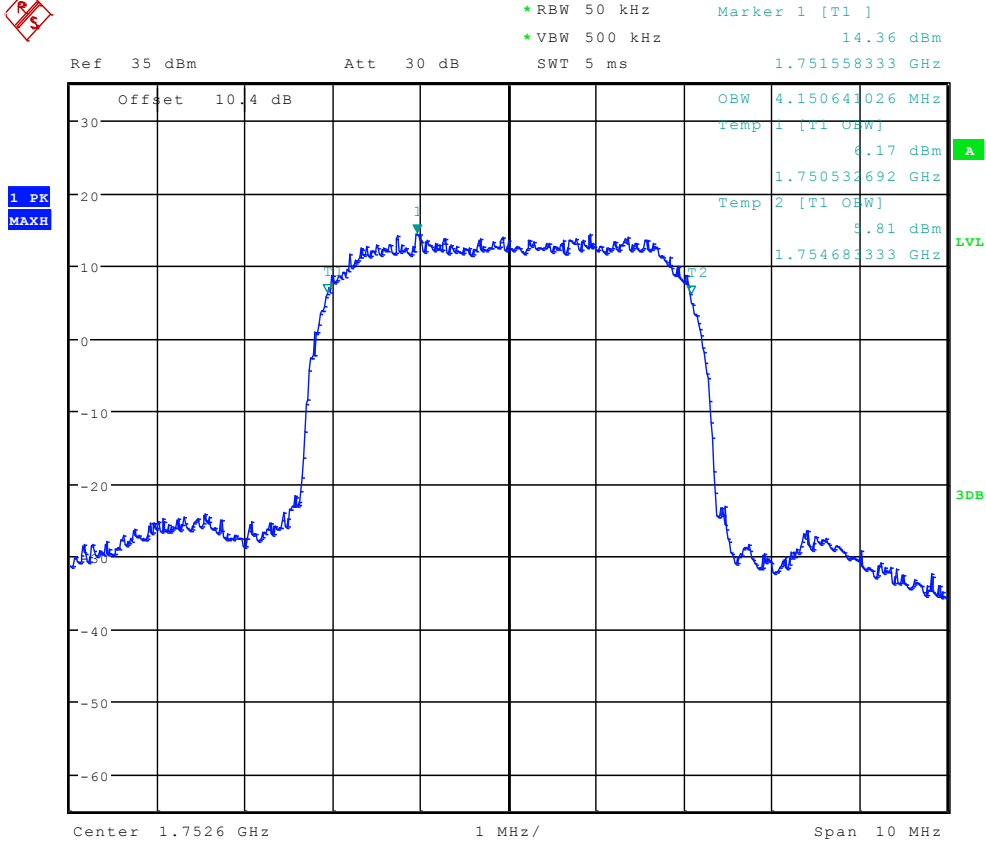


Channel 1412





Channel 1513





Appendix C

Band Edges Compliance

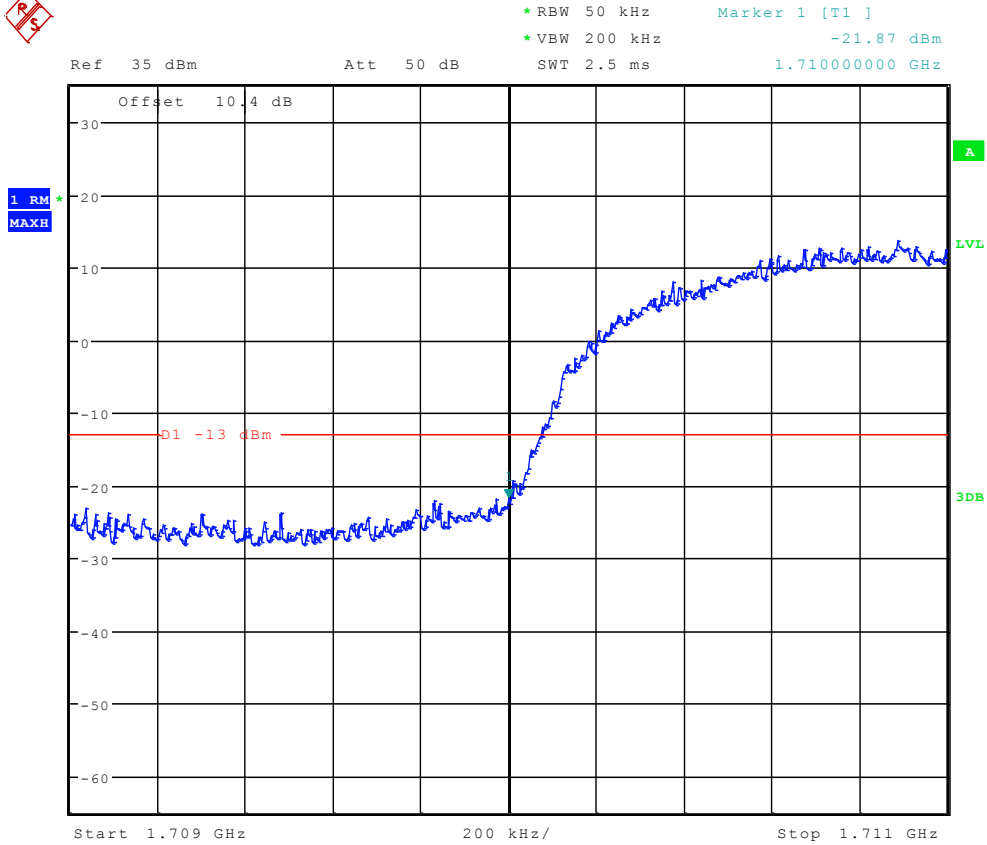
According to FCC Part 2.1051 & Part 27 Subpart C&L
&RSS-139



TM1: WCDMA

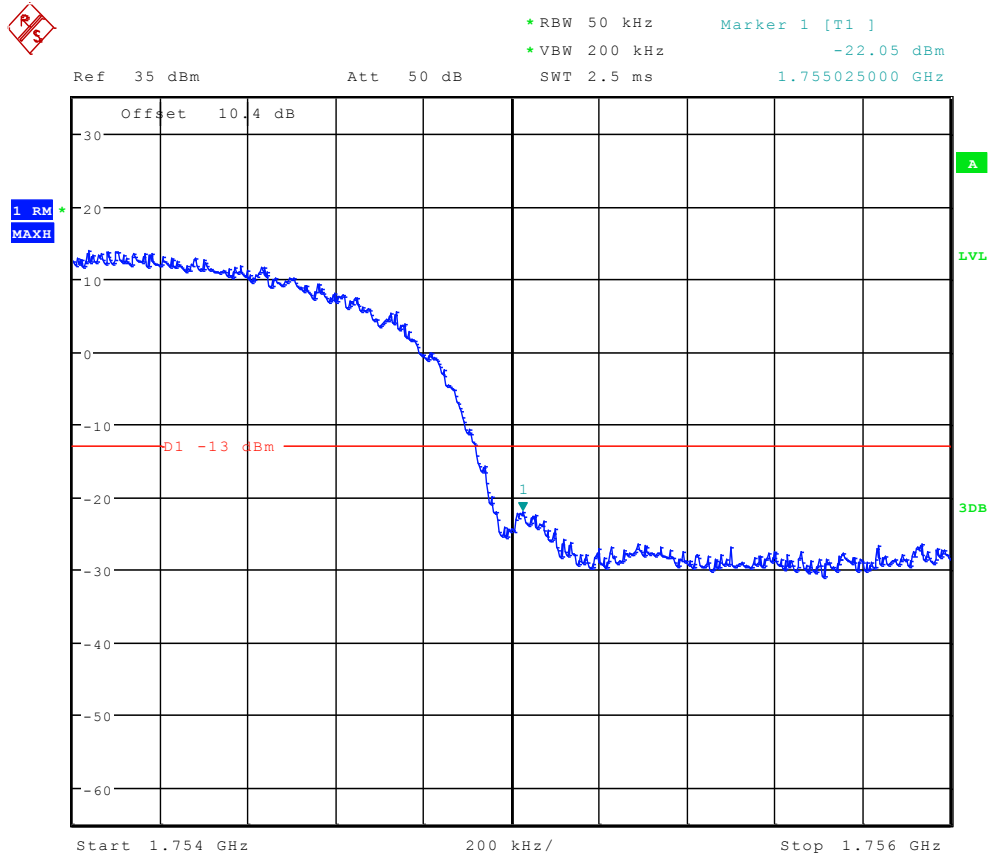
Left Edge

Channel 1312





Right Edge Channel 1513





Appendix D

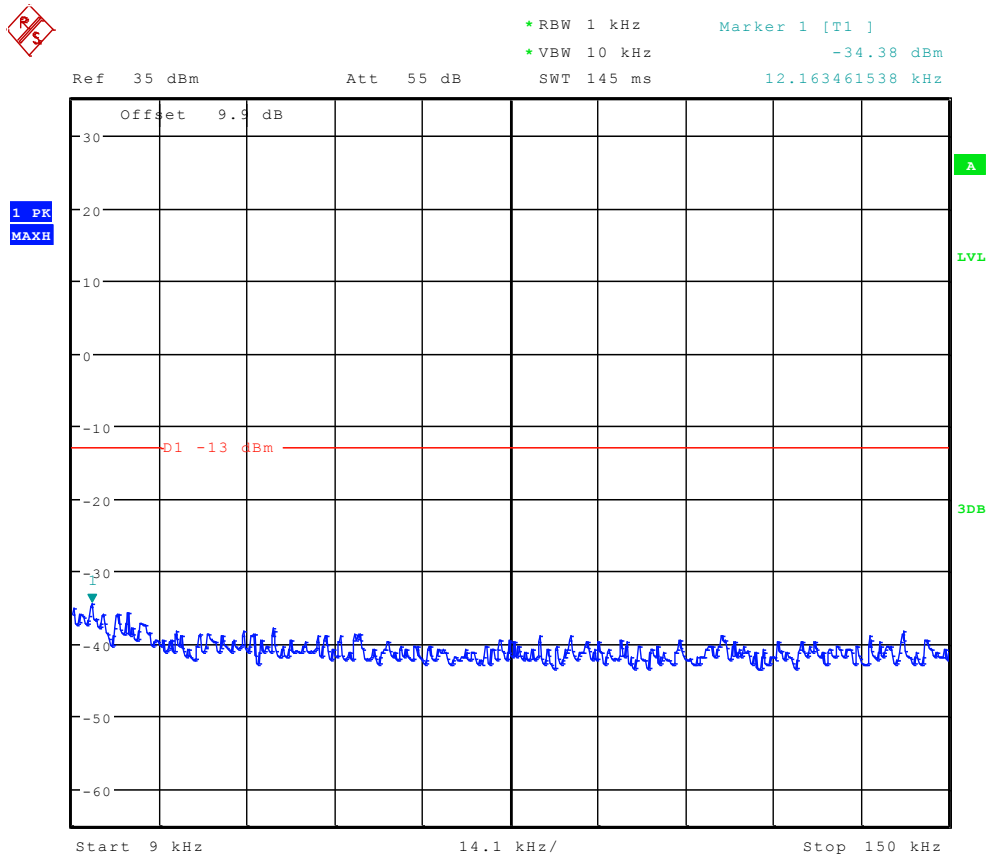
Spurious Emission at Antenna Terminal

According to FCC Part 2.1051 & Part 27 Subpart C&L
&RSS-139



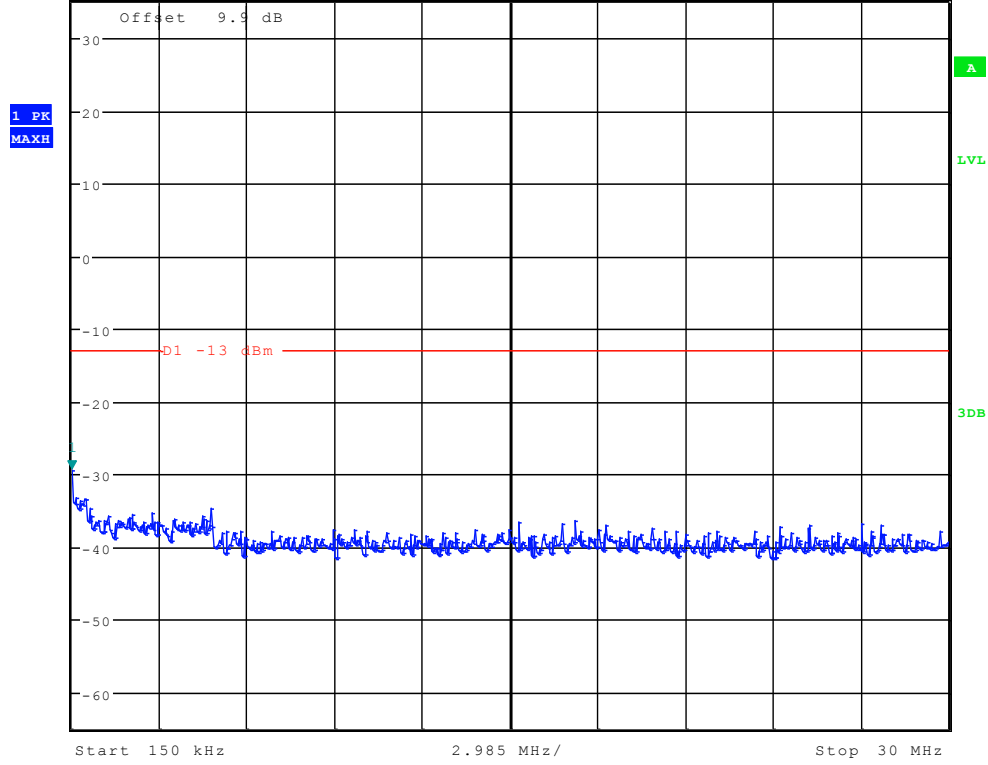
TM1: WCDMA

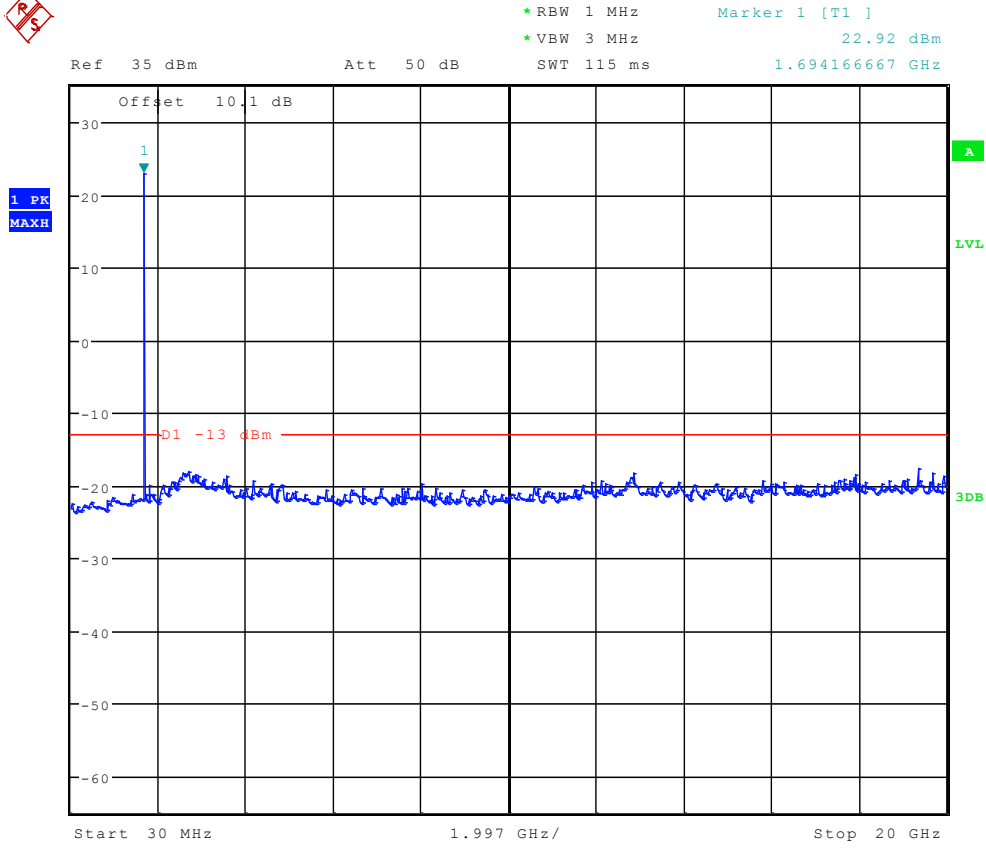
Channel 1312





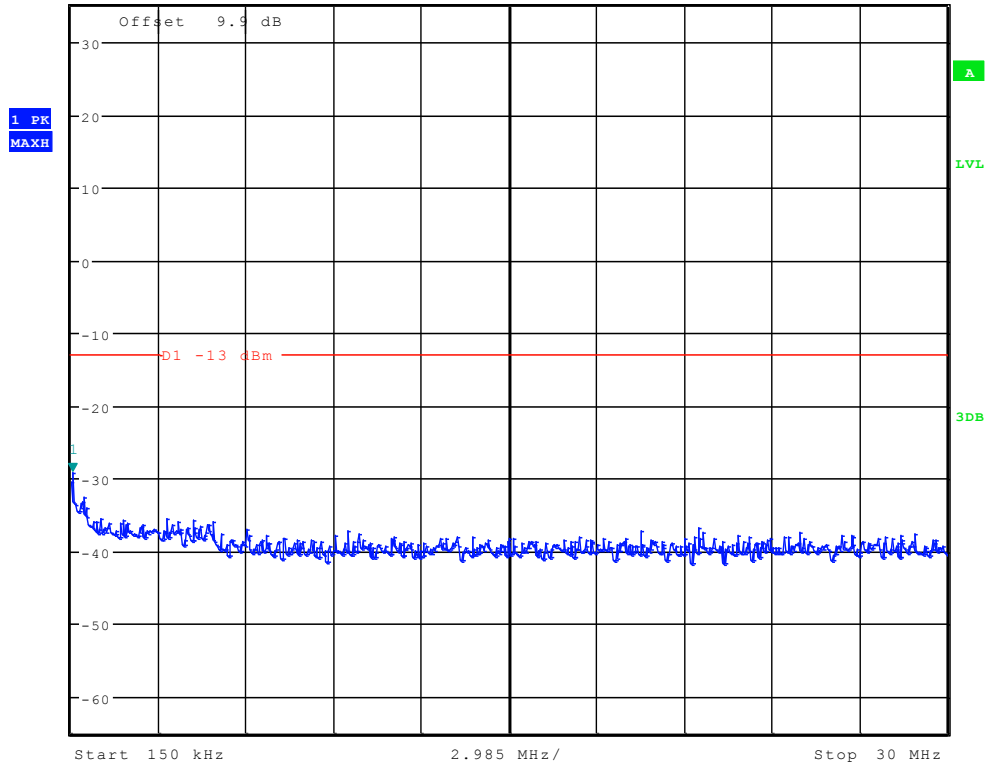
Ref 35 dBm Att 55 dB SWT 300 ms
*RBW 10 kHz *VBW 30 kHz
Marker 1 [T1] -29.43 dBm
150.000000000 kHz

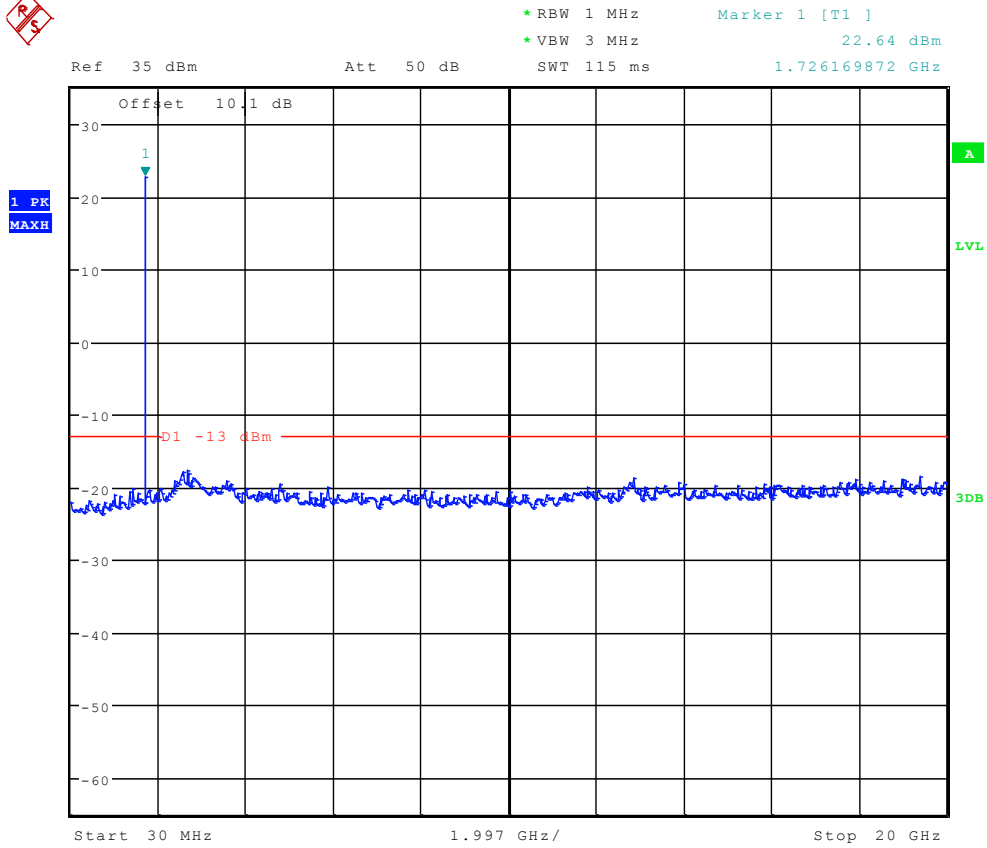






*RBW 10 kHz Marker 1 [T1]
*VBW 30 kHz -29.27 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz



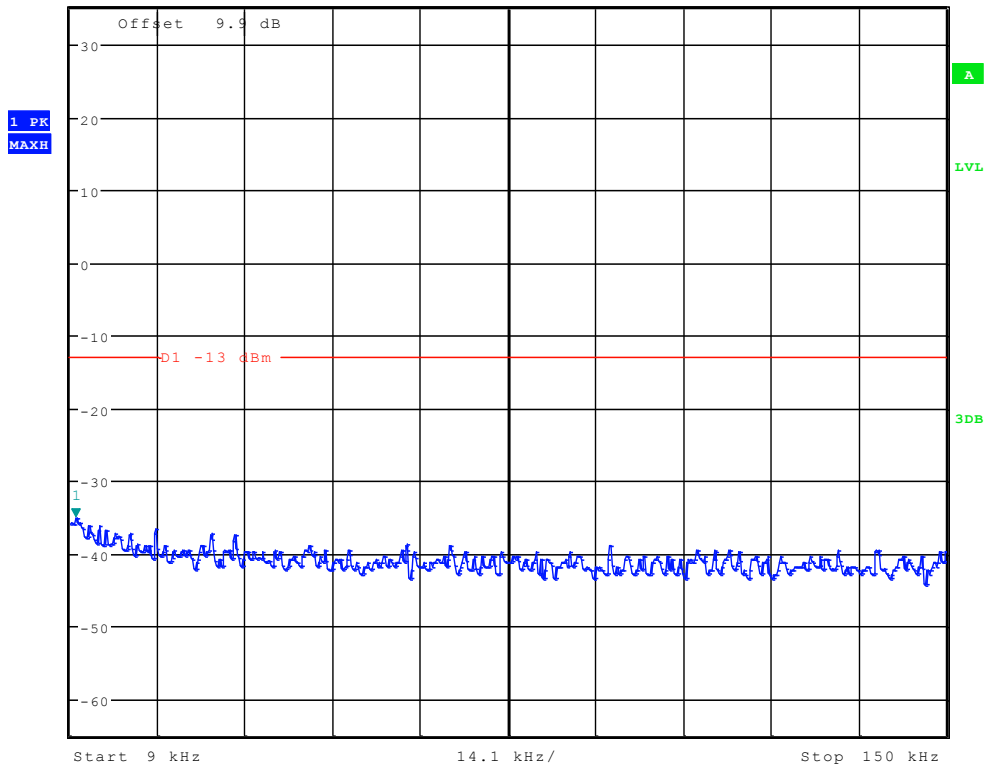




Channel 1513

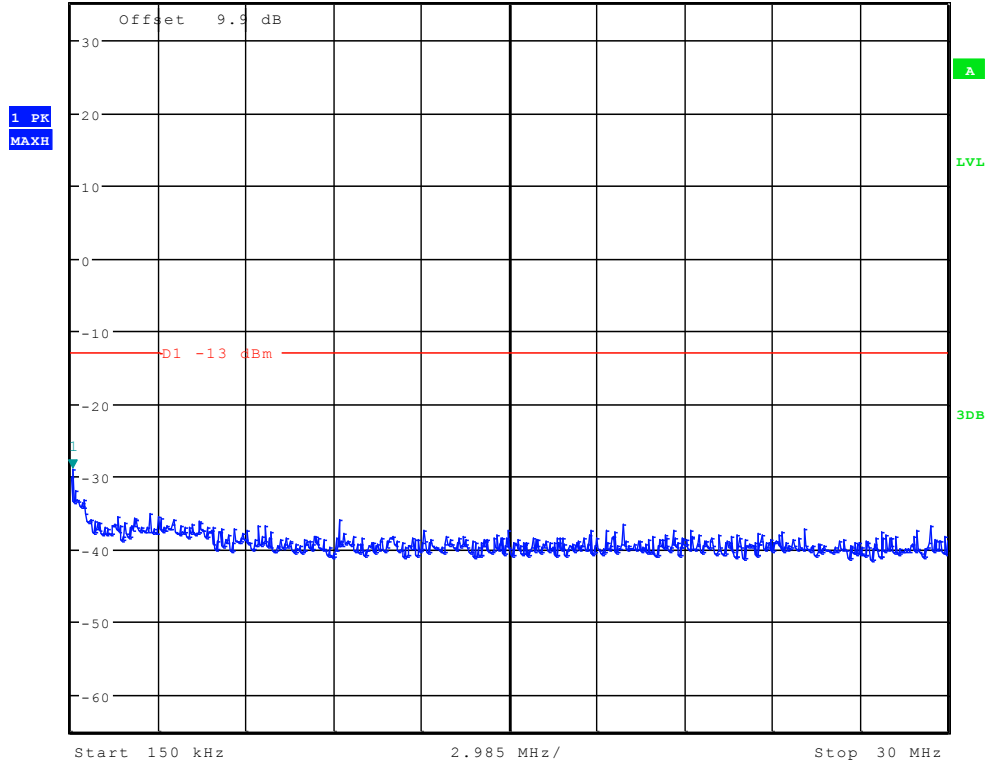


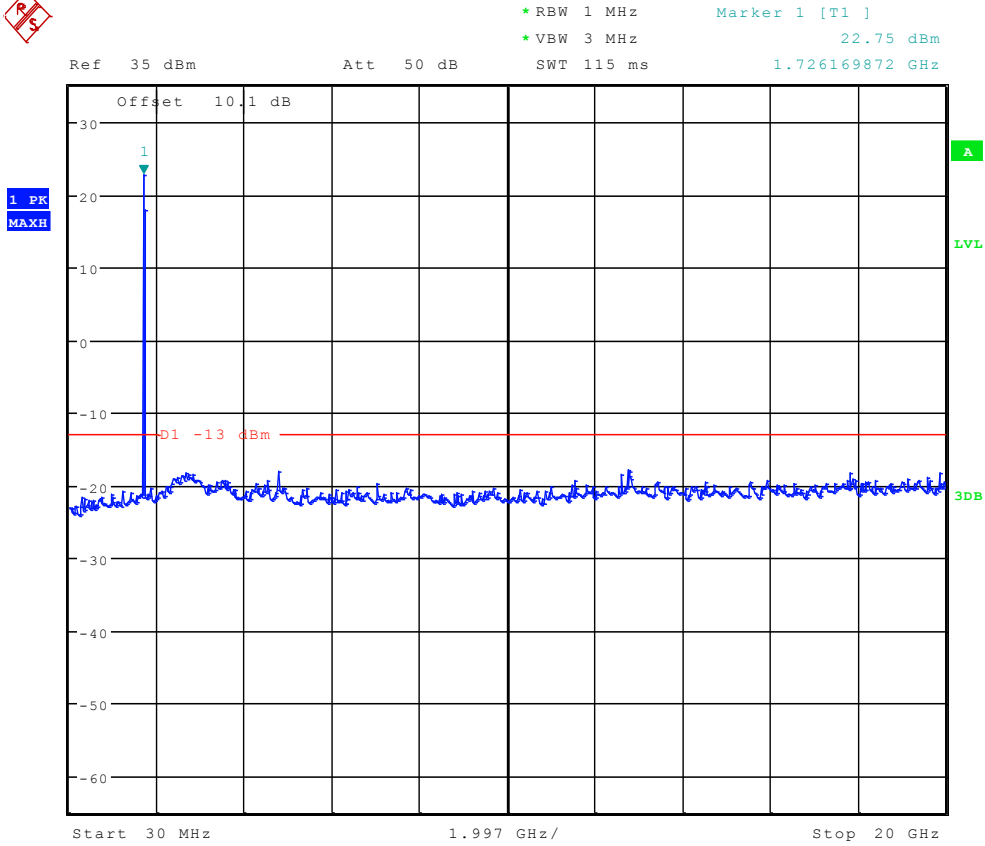
*RBW 1 kHz Marker 1 [T1]
*VBW 10 kHz -35.08 dBm
Ref 35 dBm Att 55 dB SWT 145 ms 9.903846154 kHz





* RBW 10 kHz Marker 1 [T1]
* VBW 30 kHz -28.90 dBm
Ref 35 dBm Att 55 dB SWT 300 ms 197.836538462 kHz







Appendix E

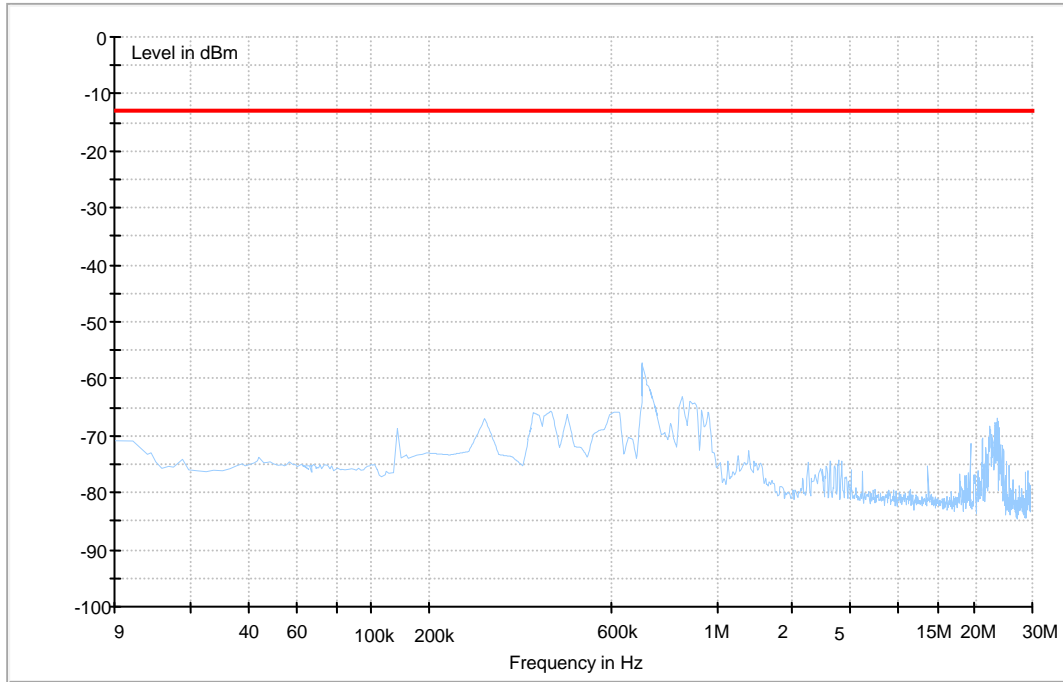
Radiated spurious emission

According to FCC Part 2.1053& Part 27 Subpart C&L
&RSS-139



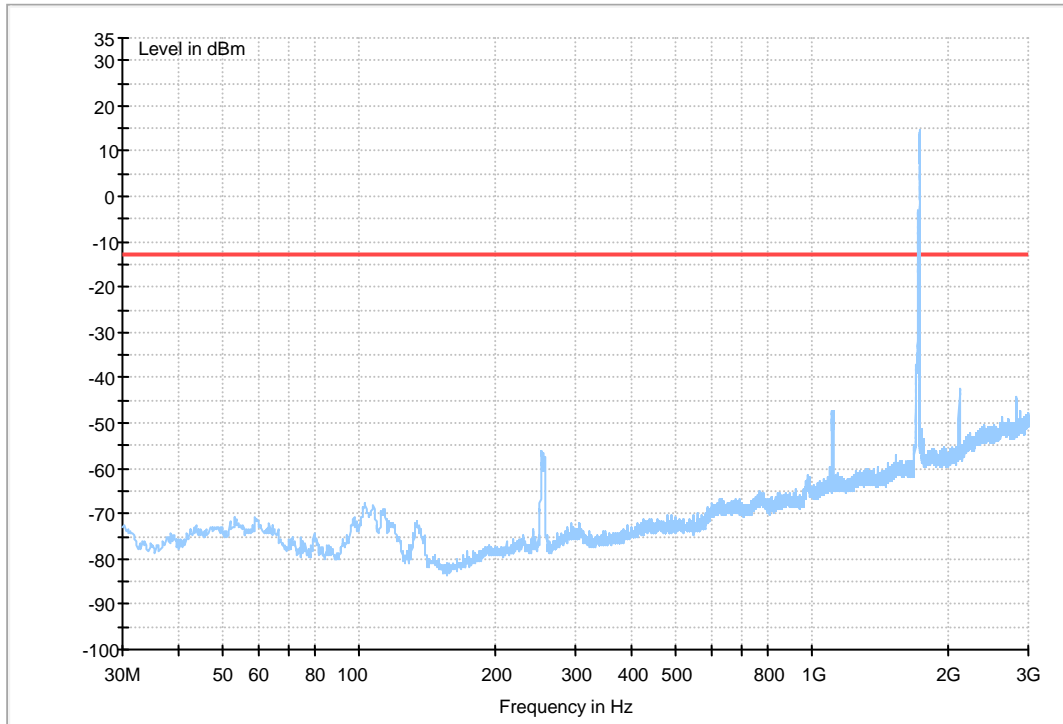
WCDMA AWS

(9kHz~30MHz)



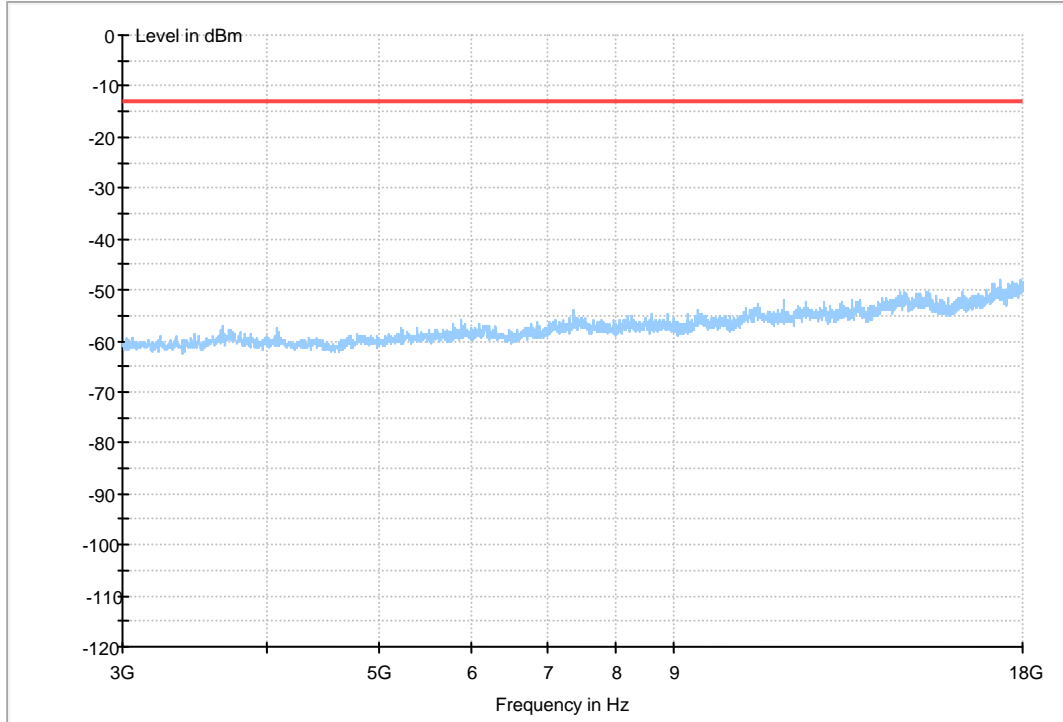


(30MHz~3GHz)





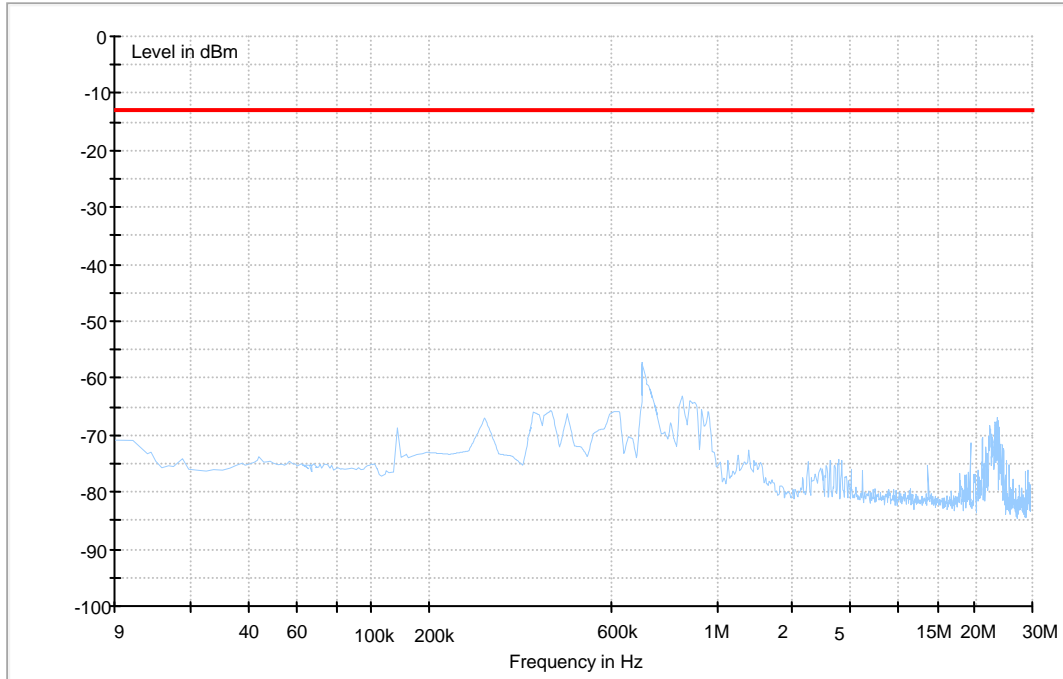
(3GHz~18GHz)





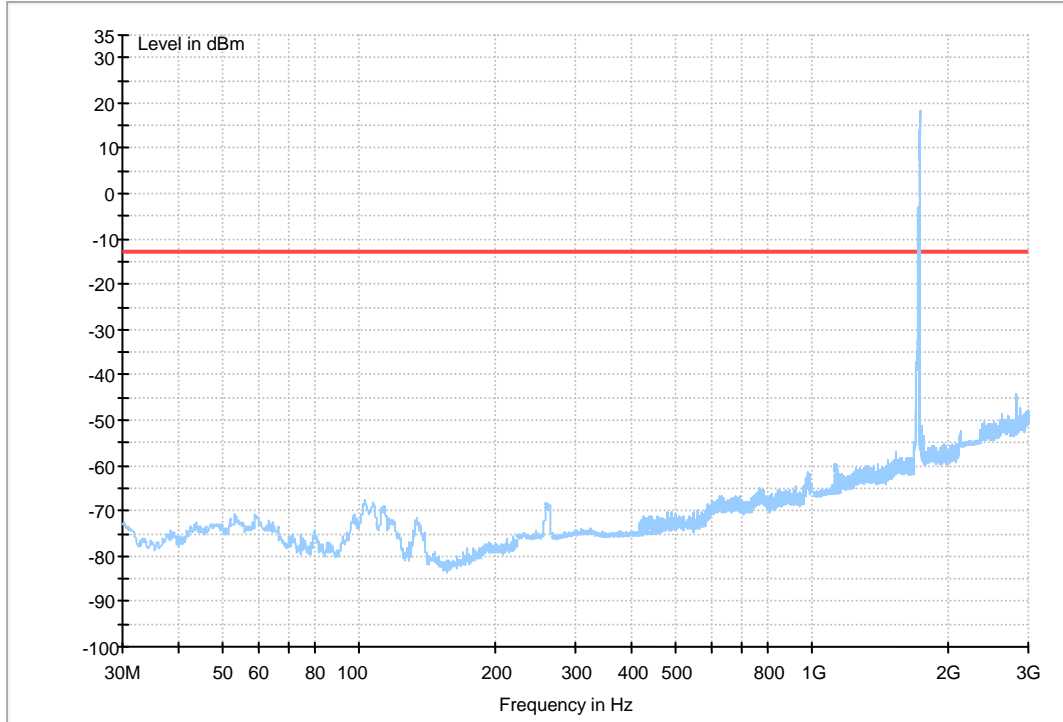
HSUPA AWS

(9kHz~30MHz)



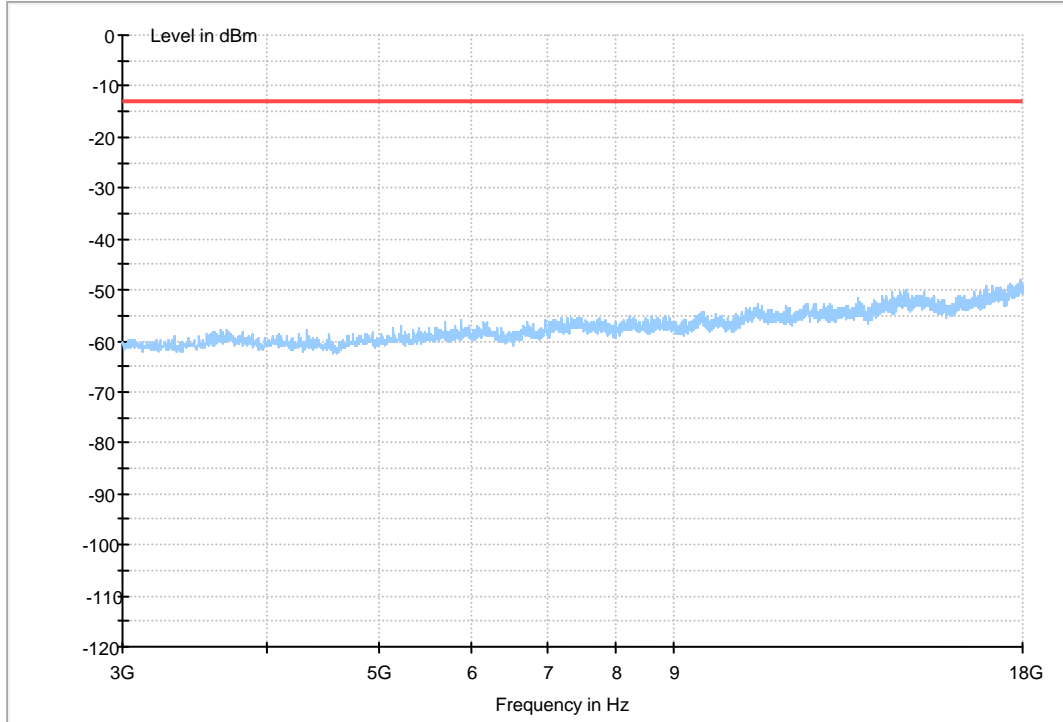


(30MHz~3GHz)





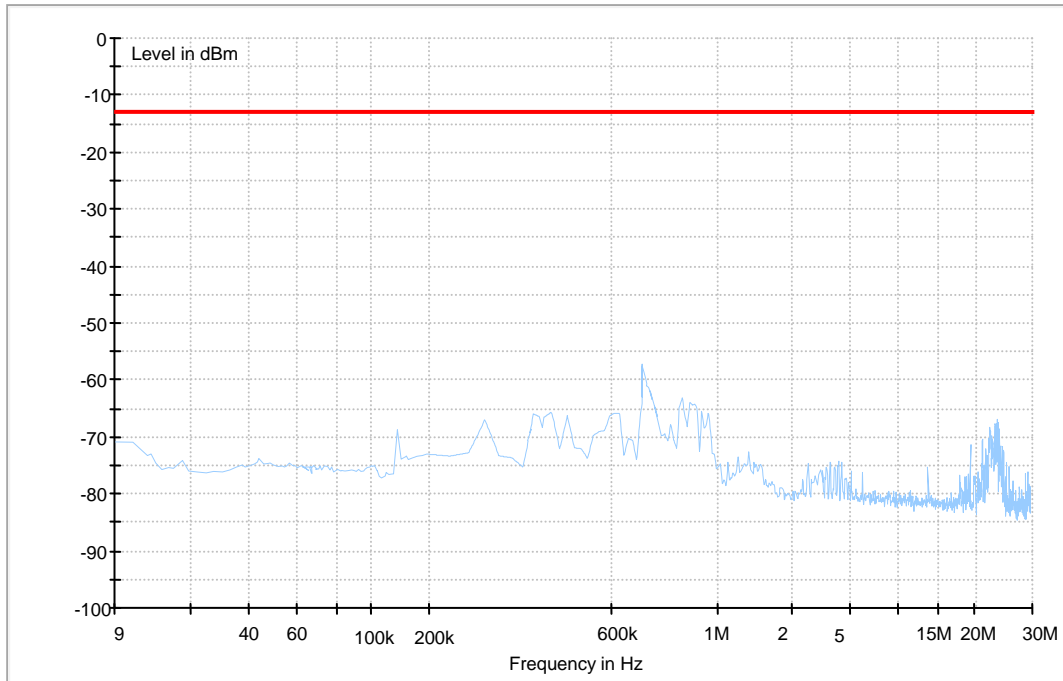
(3GHz~18GHz)





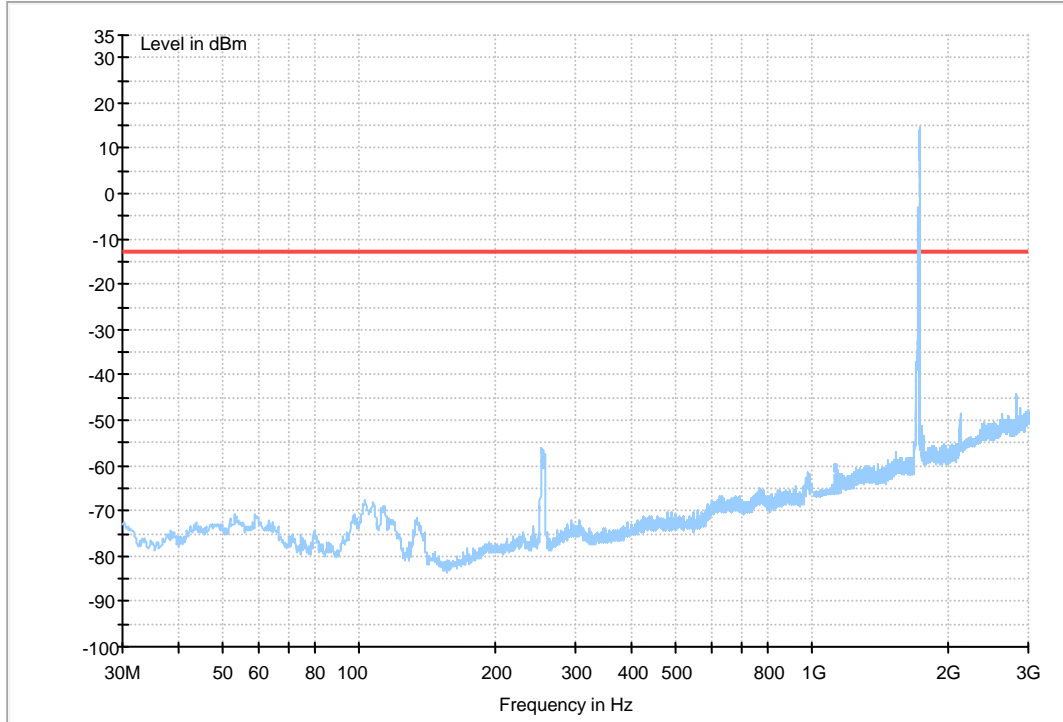
HSDPA AWS

(9kHz~30MHz)



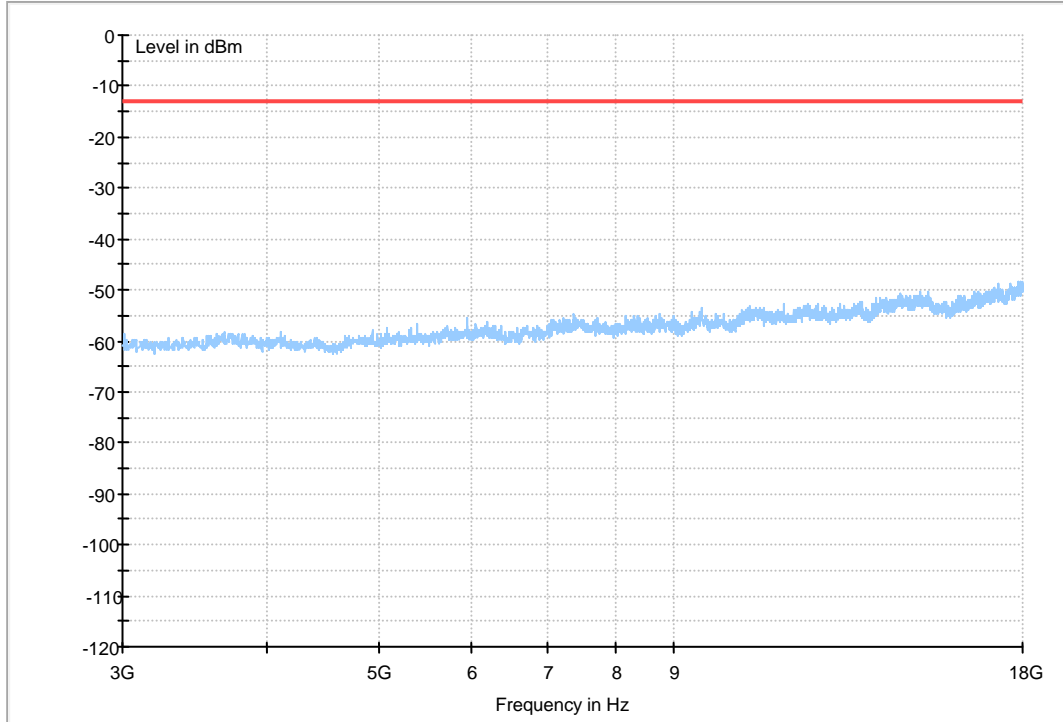


(30MHz~3GHz)





(3GHz~18GHz)





Appendix F

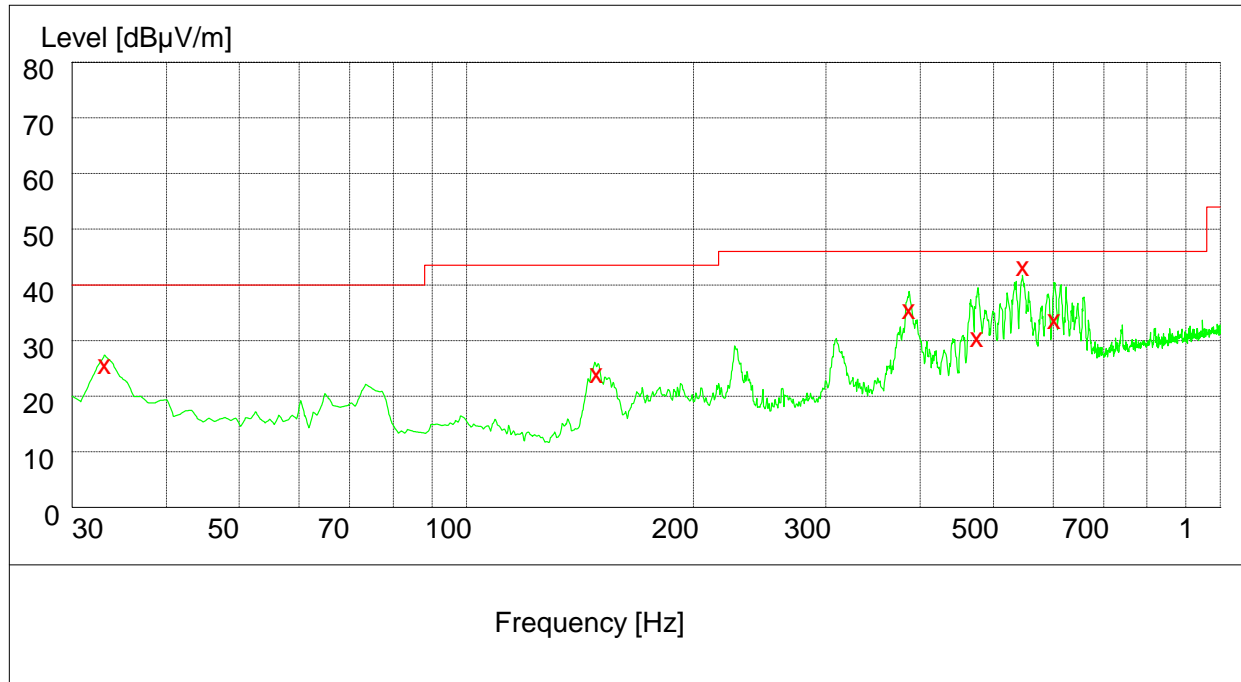
Receiver Spurious Emissions

According to RSS-132



This test was carried out in all the test modes, Here only the worst test result was shown.

30MHz-1GHz

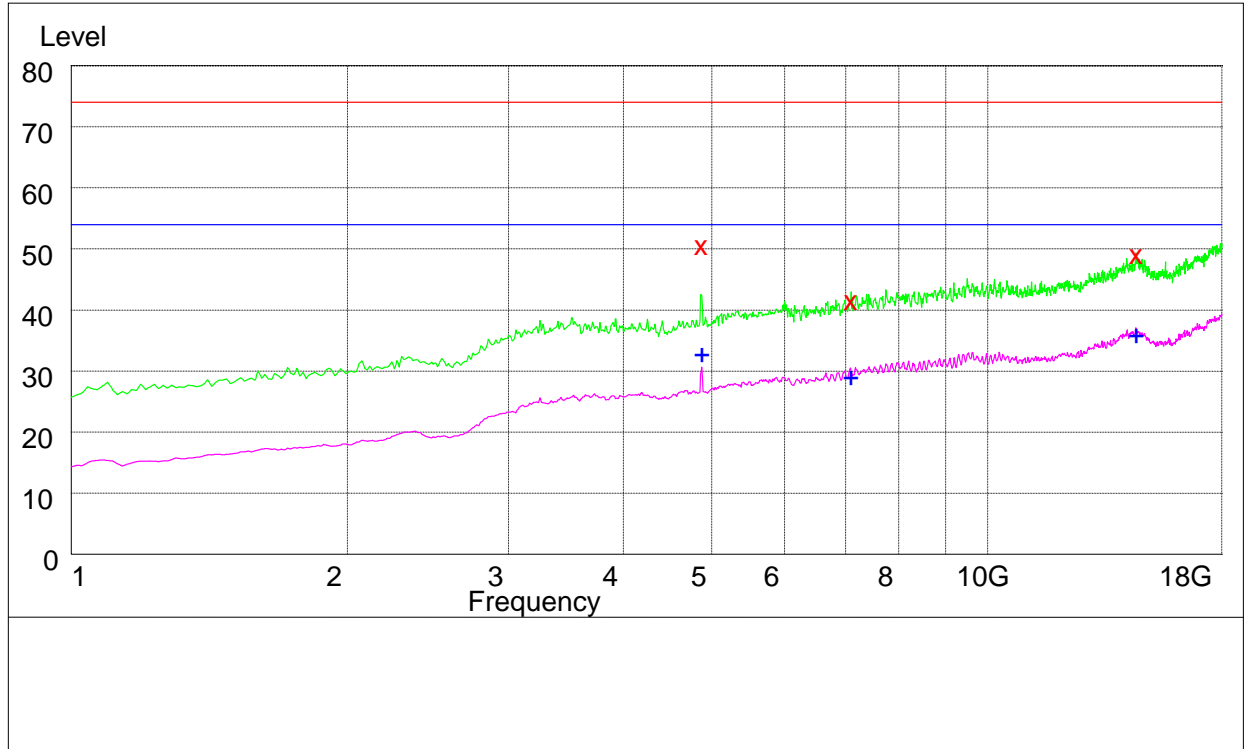


MEASUREMENT RESULT: QP Detector

Frequency MHz	Level dBµV/m	Transd dB	Limit dBµV/m	Margin dB	Height cm	Azimuth deg	Polarisation
33.600000	26.50	11.8	40.0	13.5	100.0	56.00	HORIZONTAL
158.300000	23.10	9.7	43.5	20.4	100.0	120.00	HORIZONTAL
386.760000	36.10	17.8	46.0	9.9	100.0	324.00	HORIZONTAL
476.700000	30.80	19.5	46.0	15.2	100.0	282.00	HORIZONTAL
547.620000	42.70	21.3	46.0	3.3	100.0	125.00	HORIZONTAL
602.280000	34.30	22.5	46.0	11.7	100.0	226.00	HORIZONTAL



1GHz-18GHz



MEASUREMENT RESULT: PK Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
4876.500000	50.50	-3.5	74.0	23.5	161.0	206.00	HORIZONTAL
7094.000000	41.90	1.3	74.0	32.1	165.0	316.00	HORIZONTAL
14524.000000	49.40	14.9	74.0	24.6	100.0	291.00	VERTICAL

MEASUREMENT RESULT: AV Detector

Frequency MHz	Level dBμV/m	Transd dB	Limit dBμV/m	Margin dB	Height cm	Azimuth deg	Polarisation
4872.500000	33.20	-3.3	54.0	20.8	100.0	33.00	VERTICAL
7086.000000	29.40	1.5	54.0	24.6	102.0	48.00	HORIZONTAL
14519.000000	36.40	14.9	54.0	17.6	100.0	186.00	VERTICAL



Appendix G

Photos of Test Setup



Field Strength of Spurious Emissions



Radiated Spurious Emission (below 3GHz)



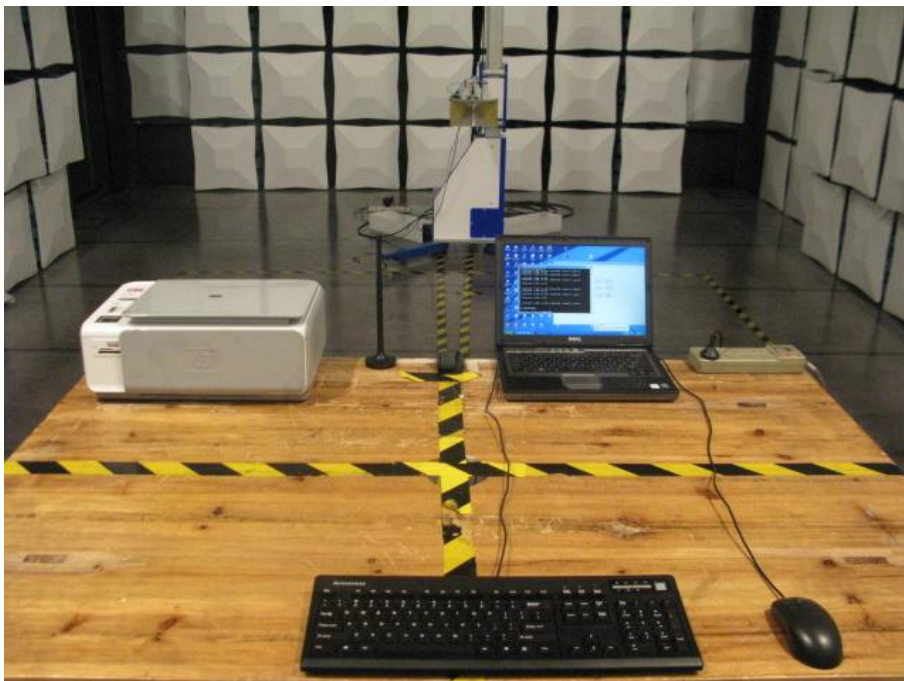
Radiated Spurious Emission (3GHz to18GHz)



Receiver Spurious Emissions



Radiated Disturbance Emissions (30MHz-1GHz)



Radiated Disturbance Emissions (above 1GHz)