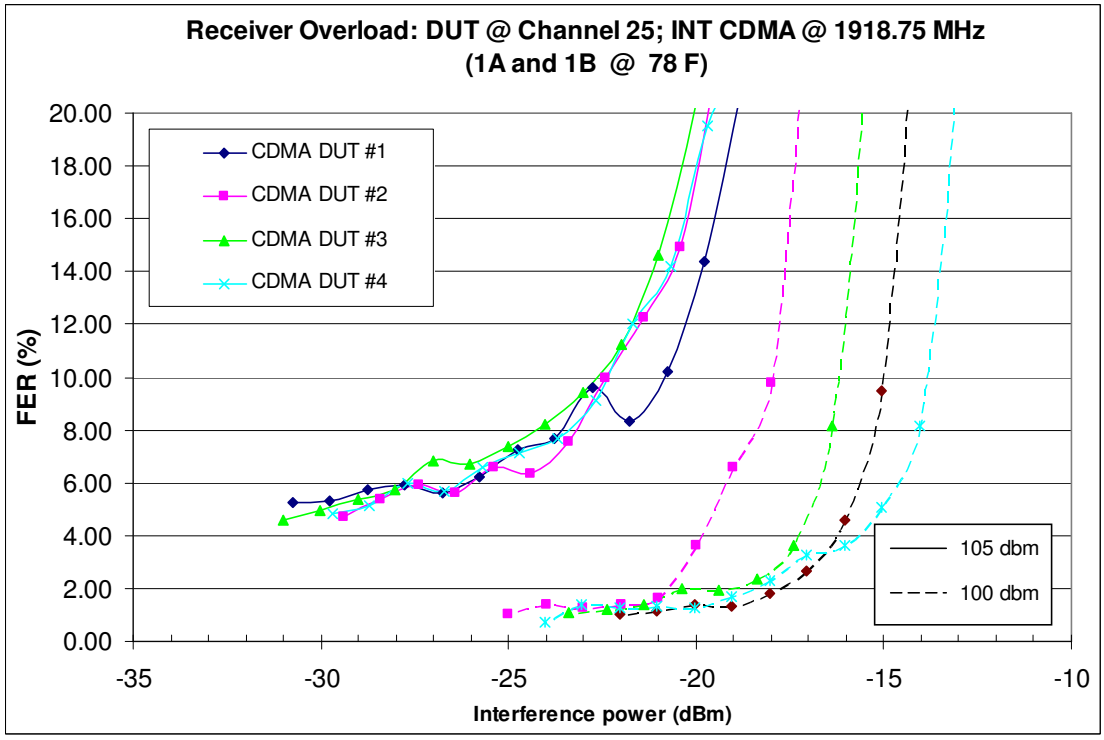
Comparative Results for CDMA Handsets



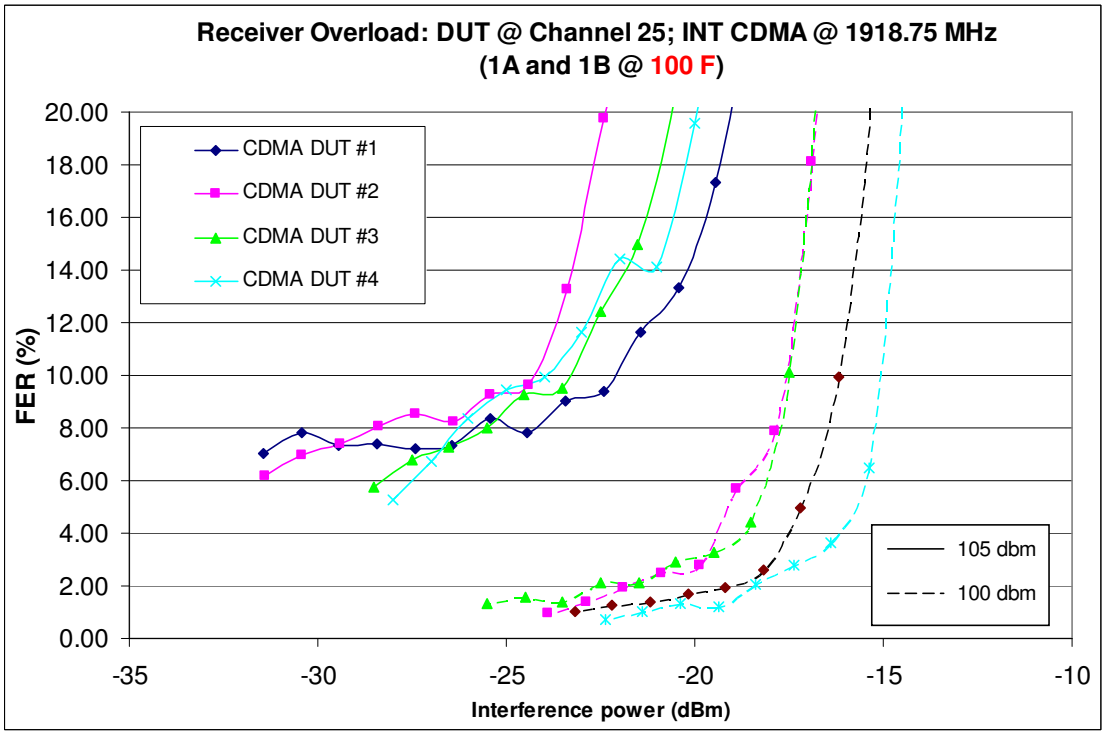
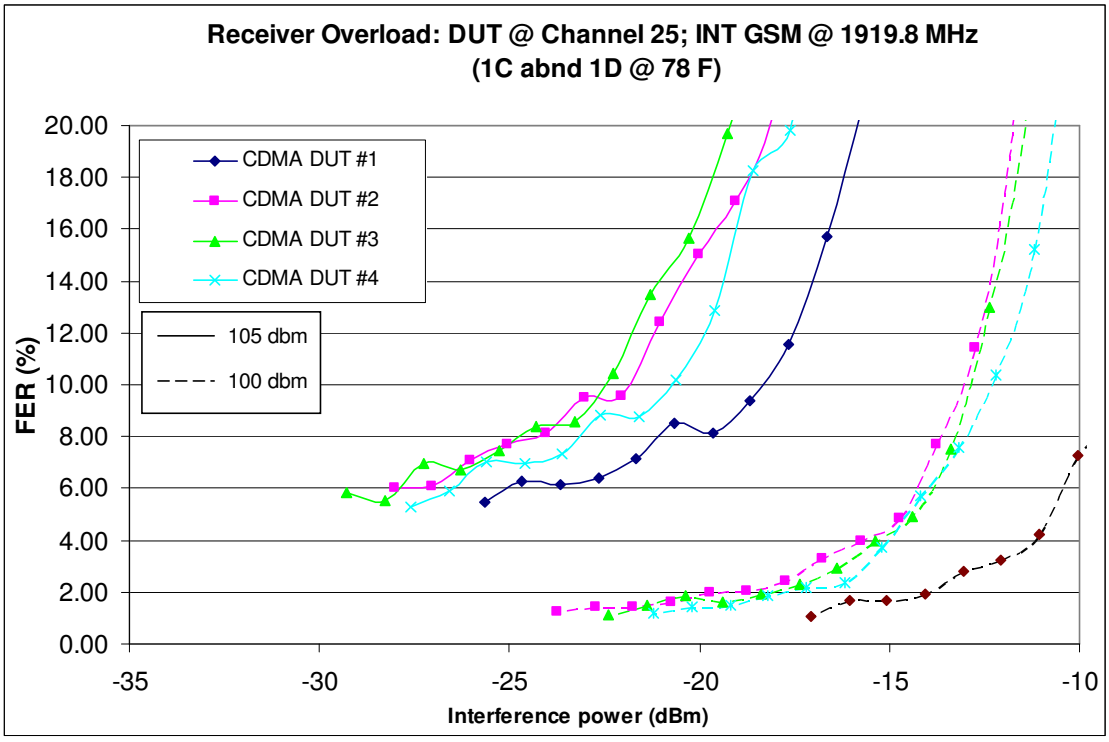


Table 76: Comparative CDMA Receiver Overload (1)



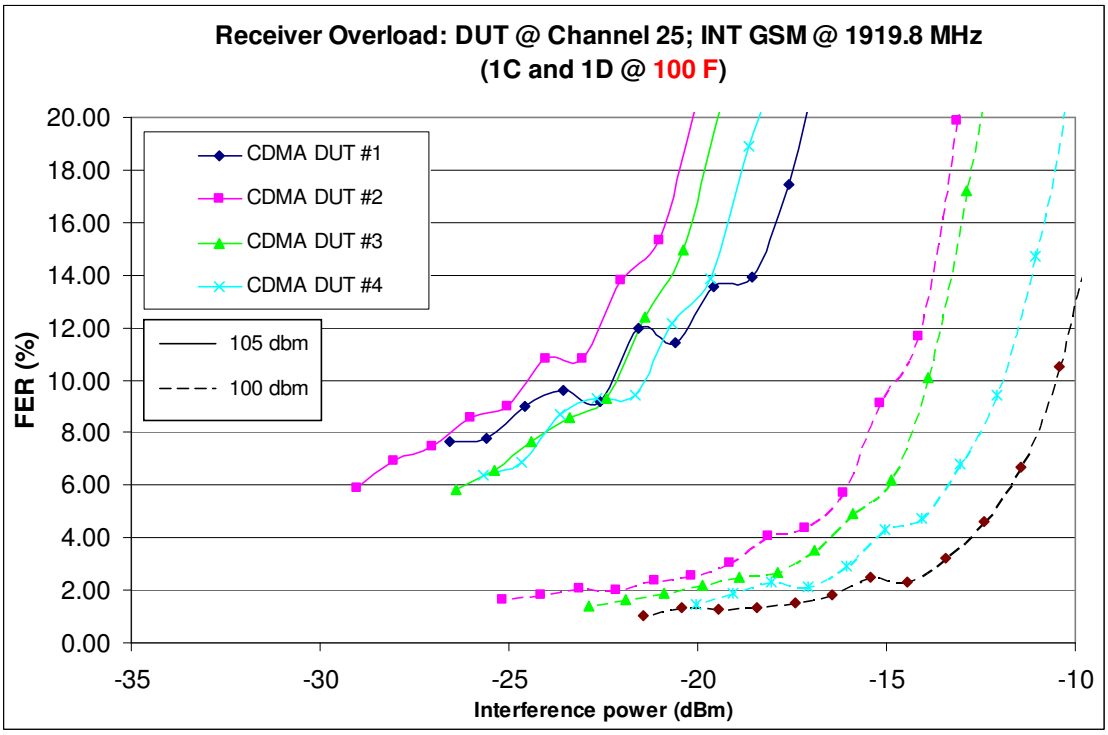
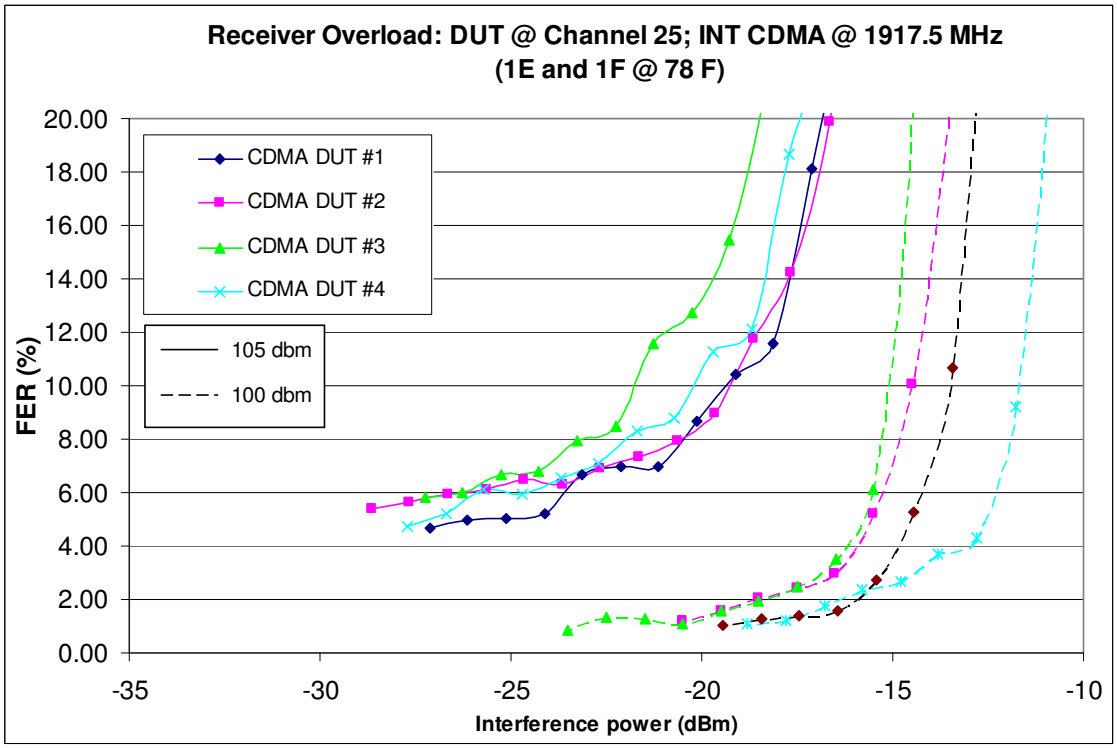


Table 77: Comparative CDMA Receiver Overload (2)



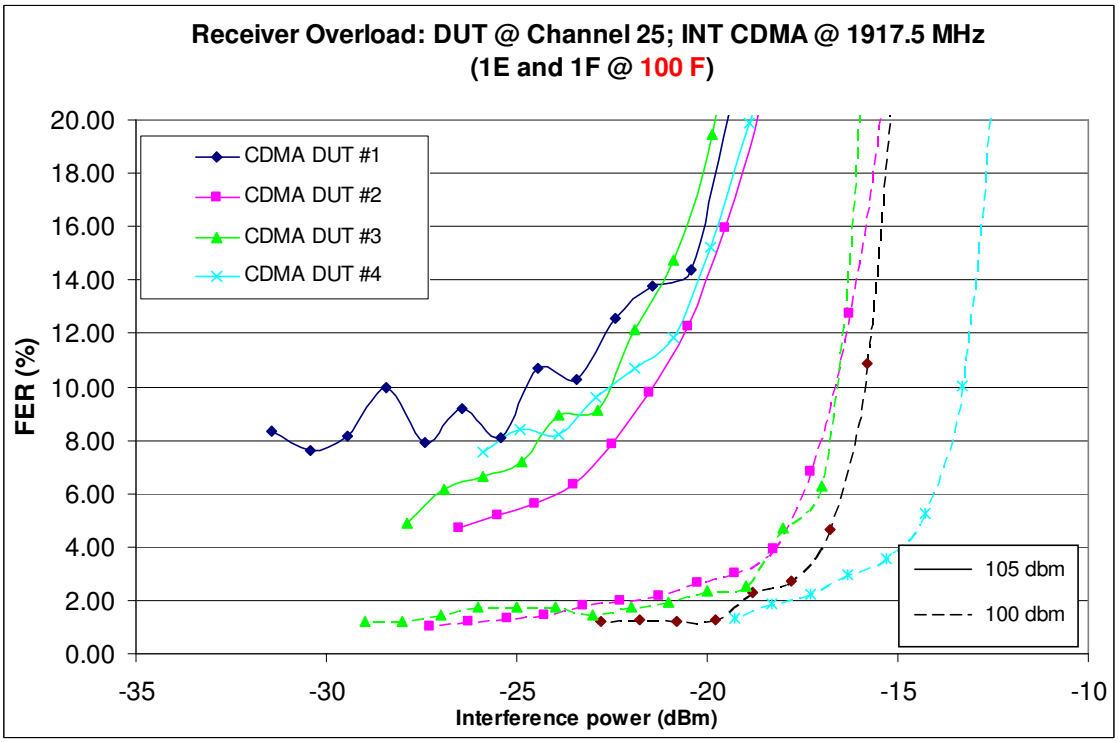
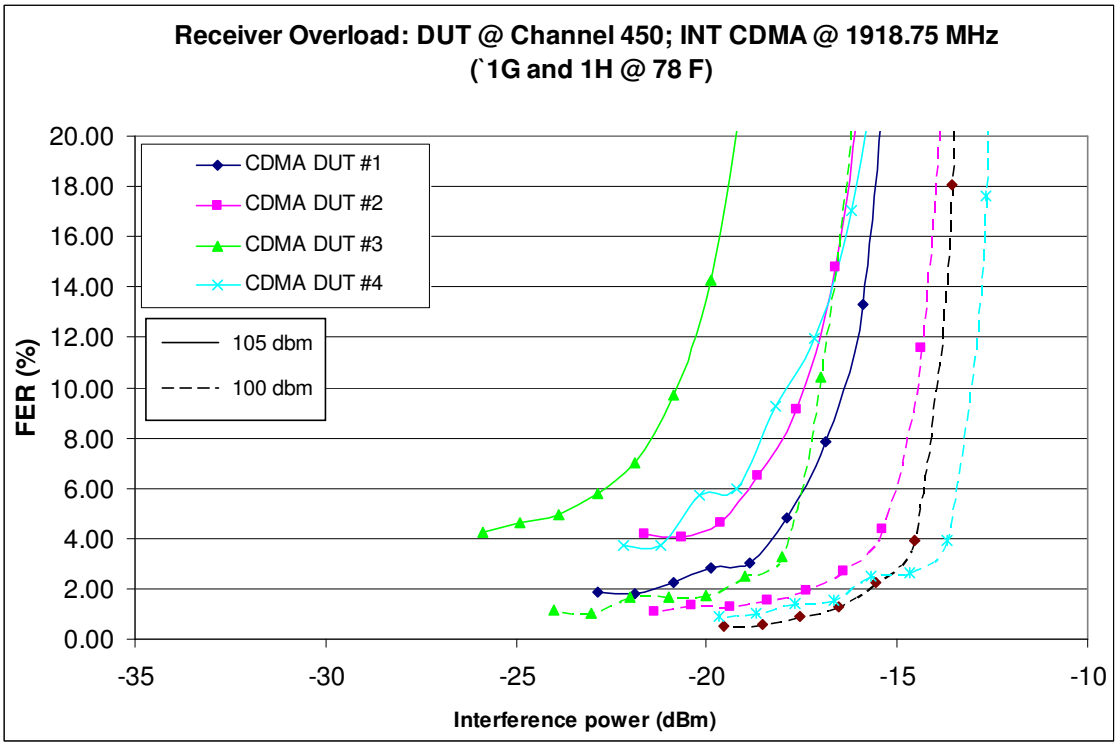


Table 78: Comparative CDMA Receiver Overload (3)



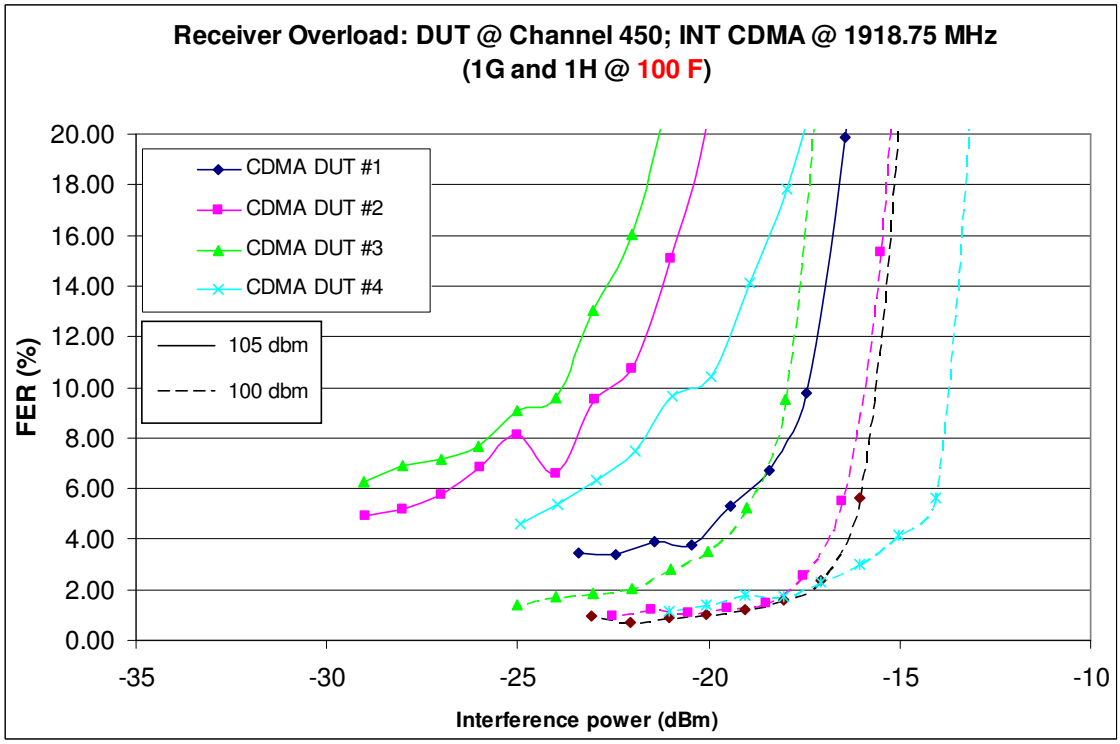
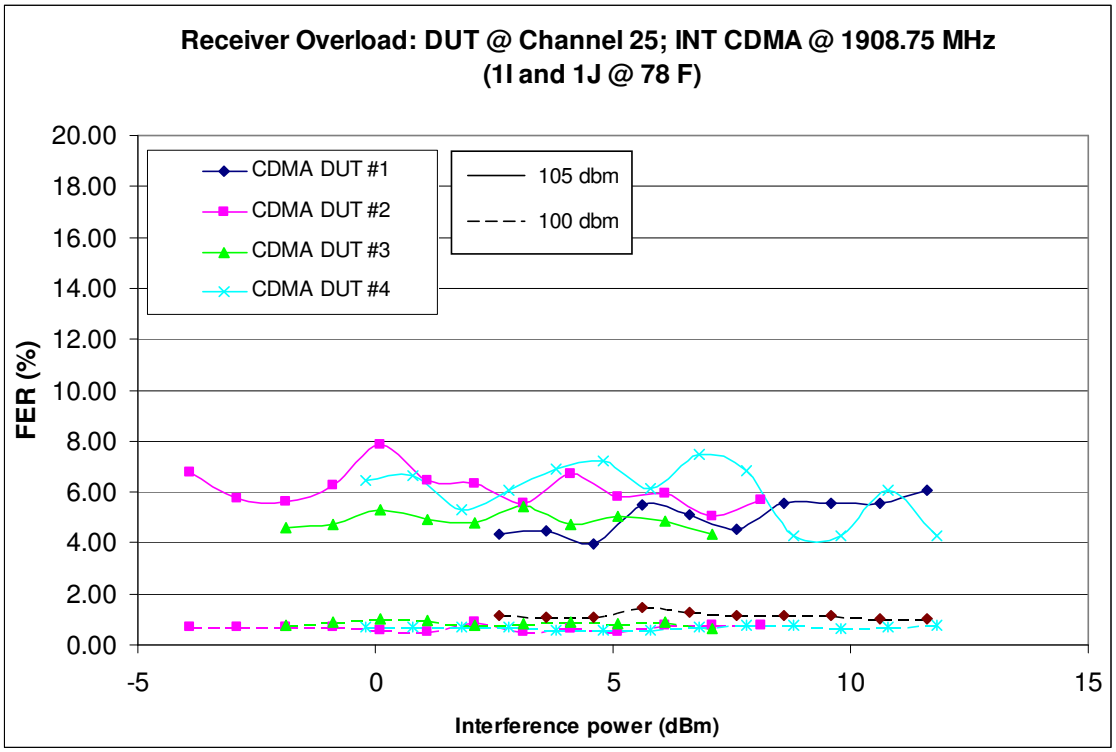


Table 79: Comparative CDMA Receiver Overload (4)



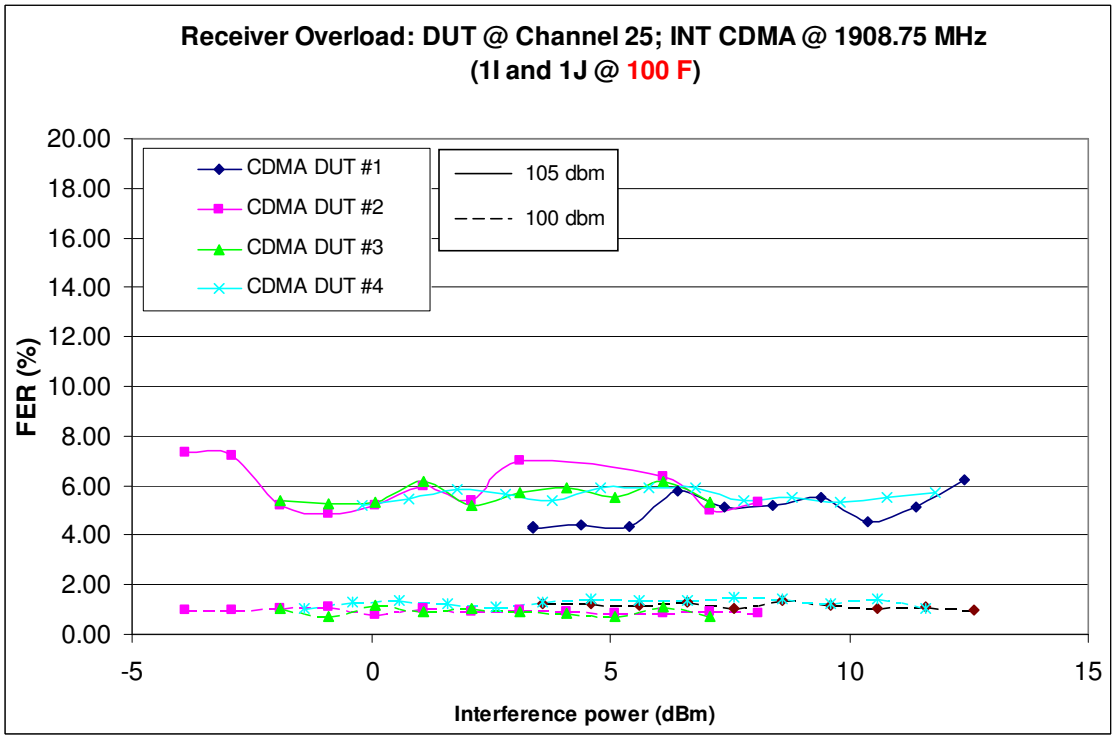
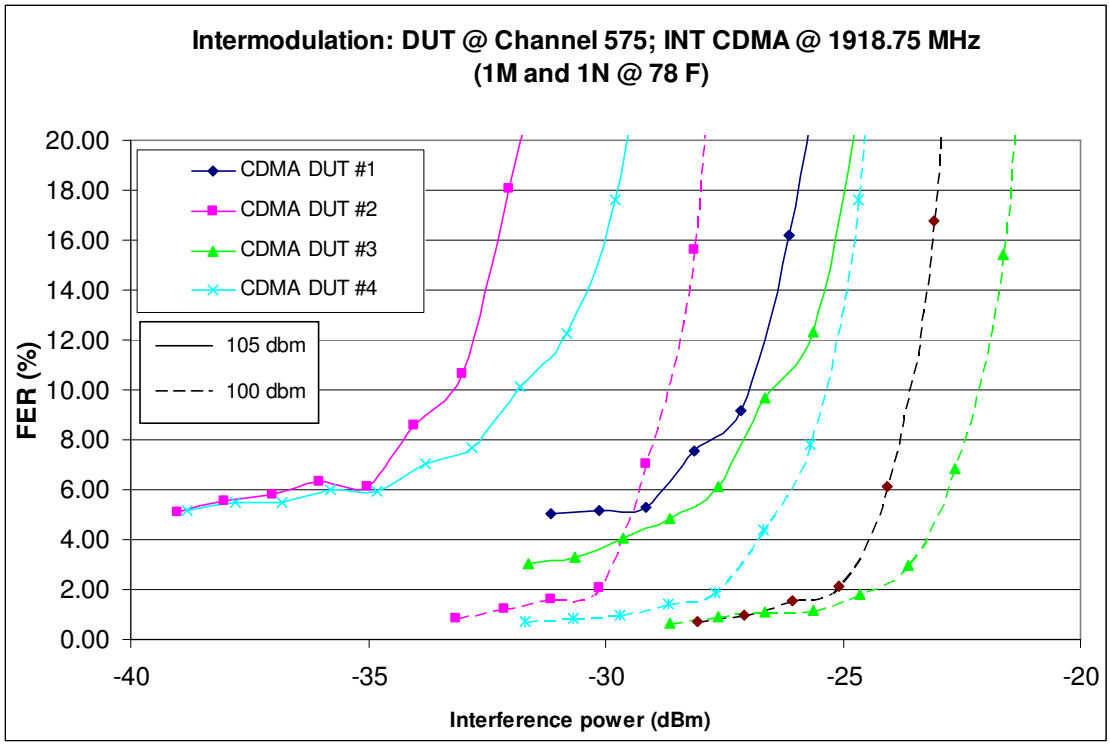


Table 80: Comparative CDMA Receiver Overload (5)



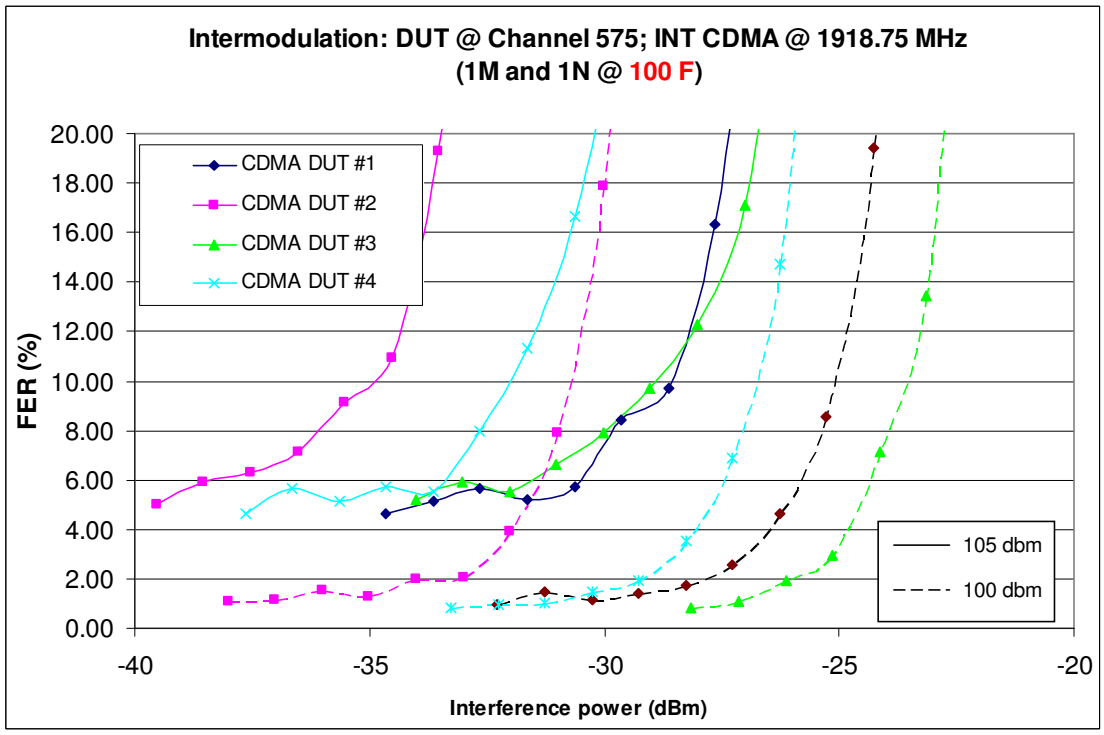
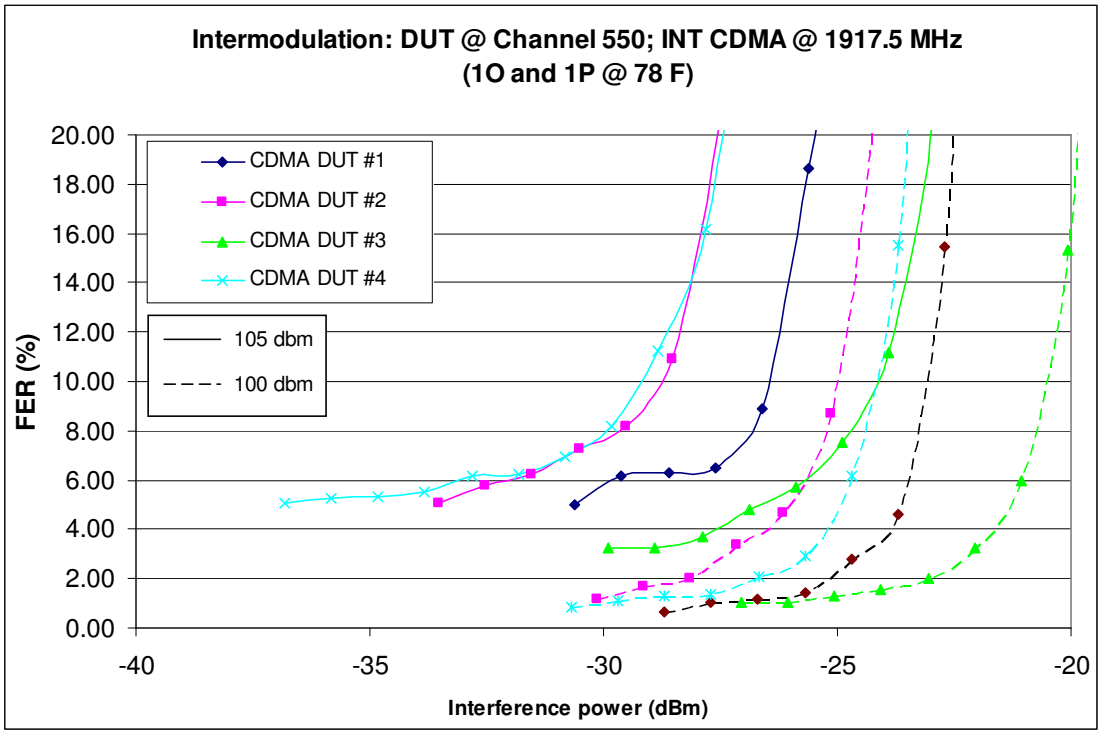


Table 81: Comparative CDMA Intermodulation (1)



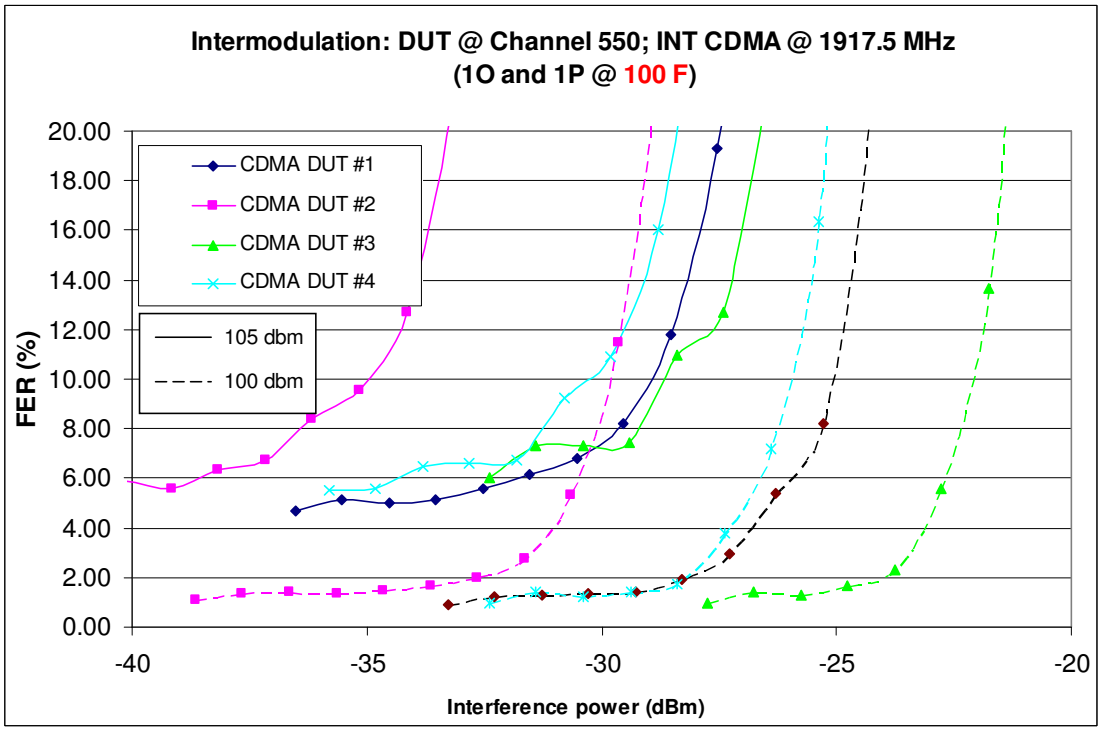


Table 82: Comparative CDMA Intermodulation (2)

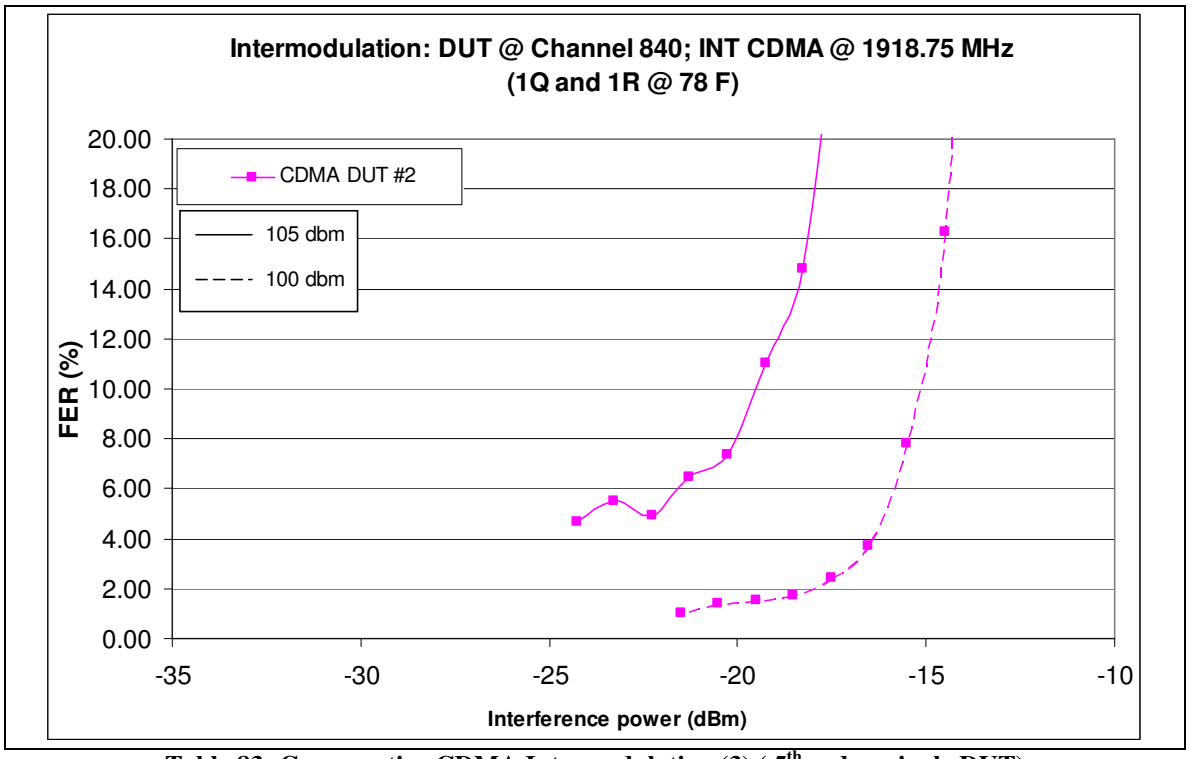
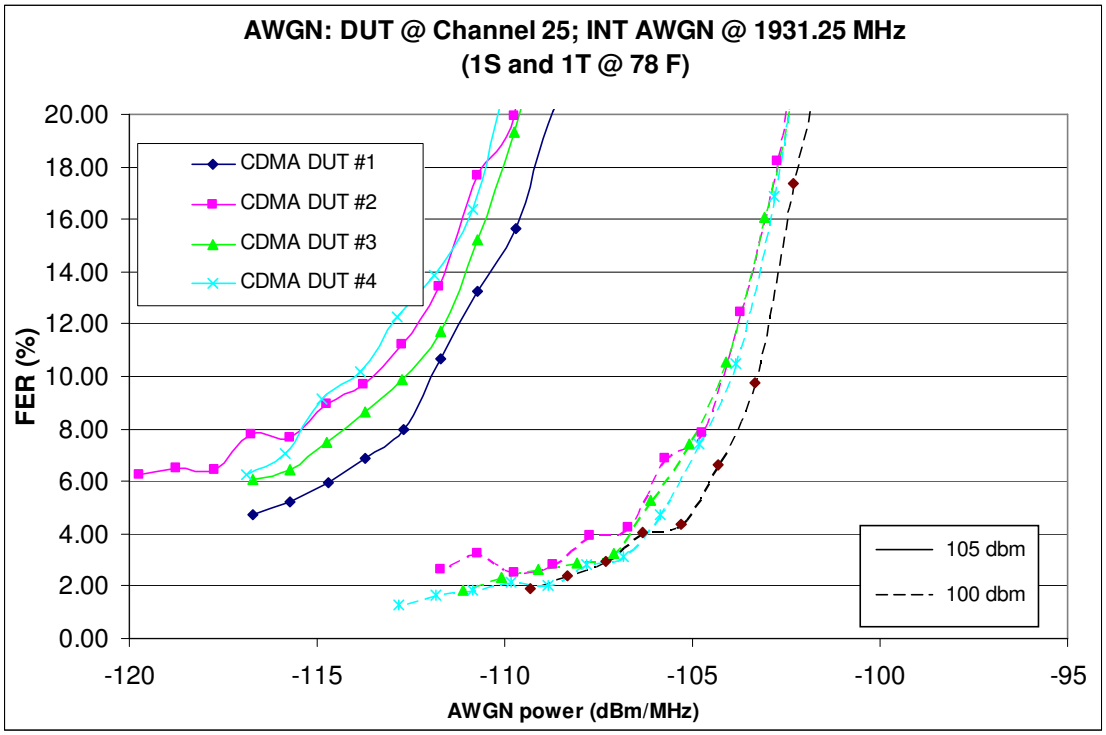


Table 83: Comparative CDMA Intermodulation (3) (5th order; single DUT)



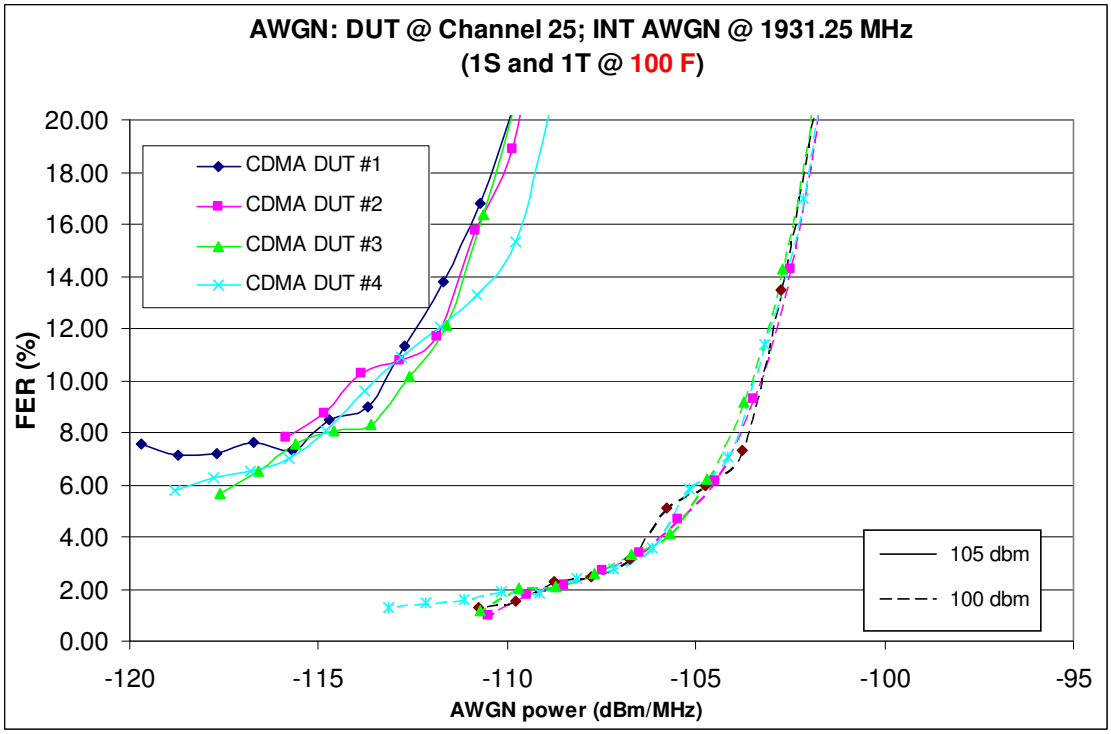


Table 84: Comparative CDMA AWGN

Comparative Results for GSM Handsets

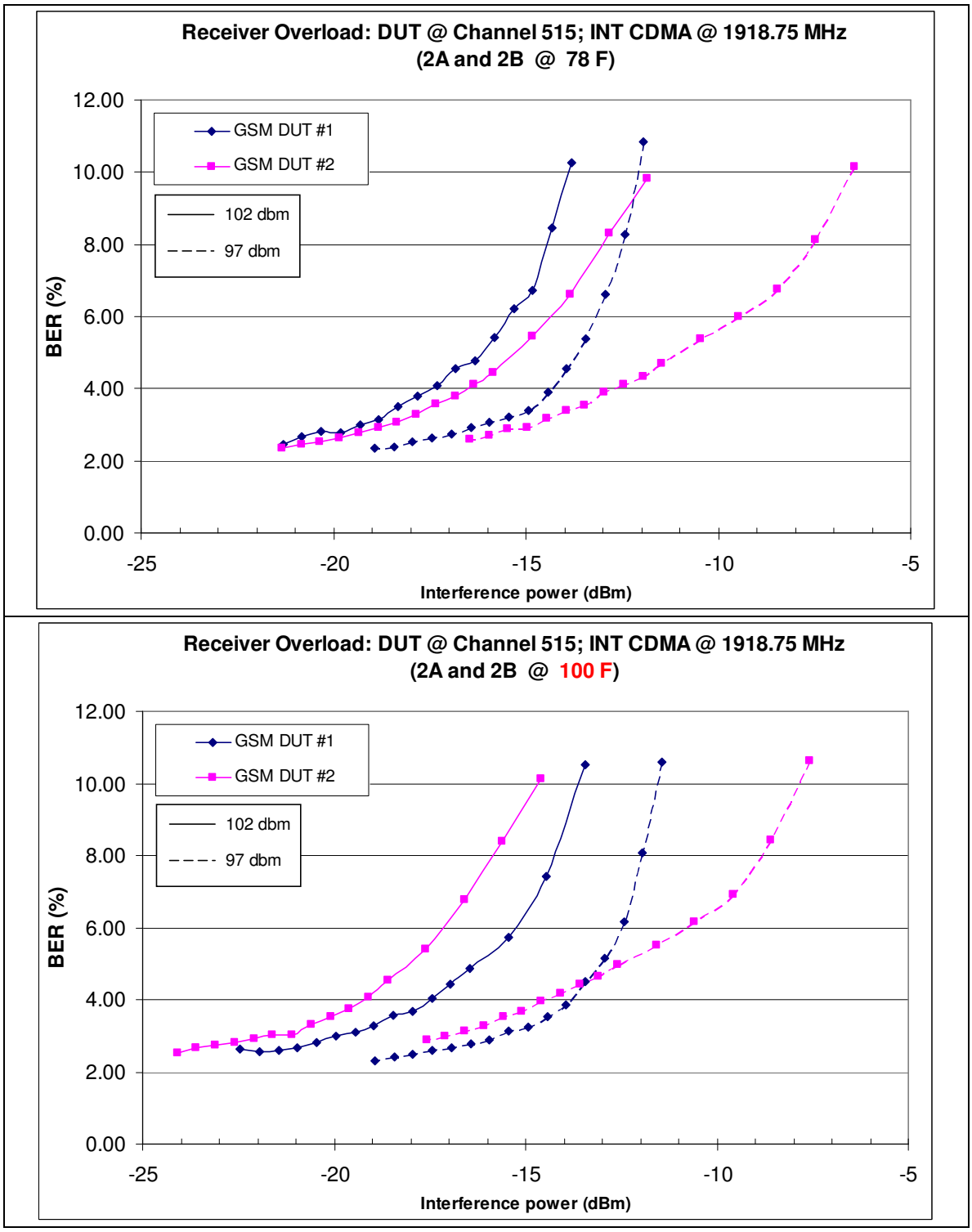


Table 85: Comparative GSM Receiver Overload (1)

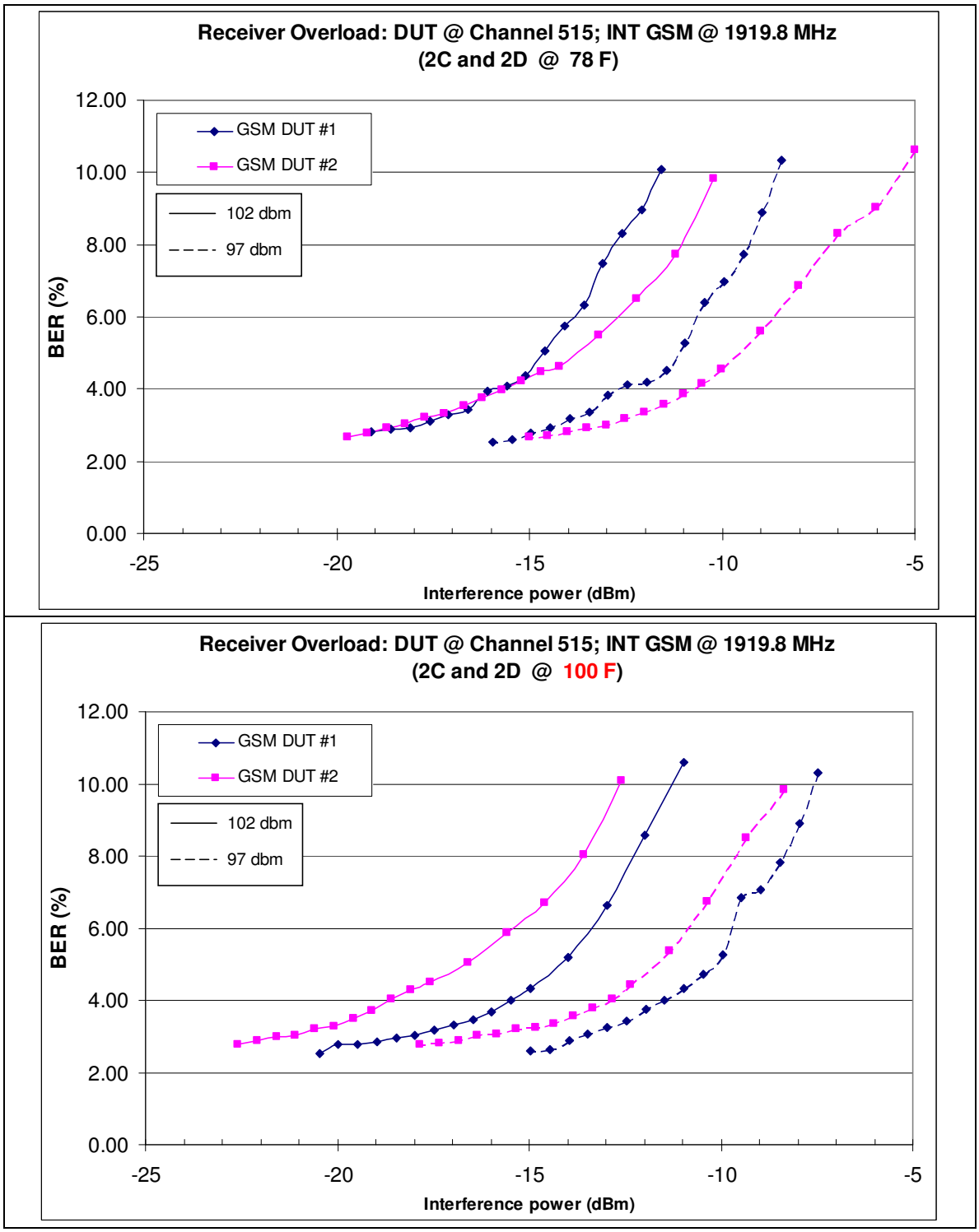
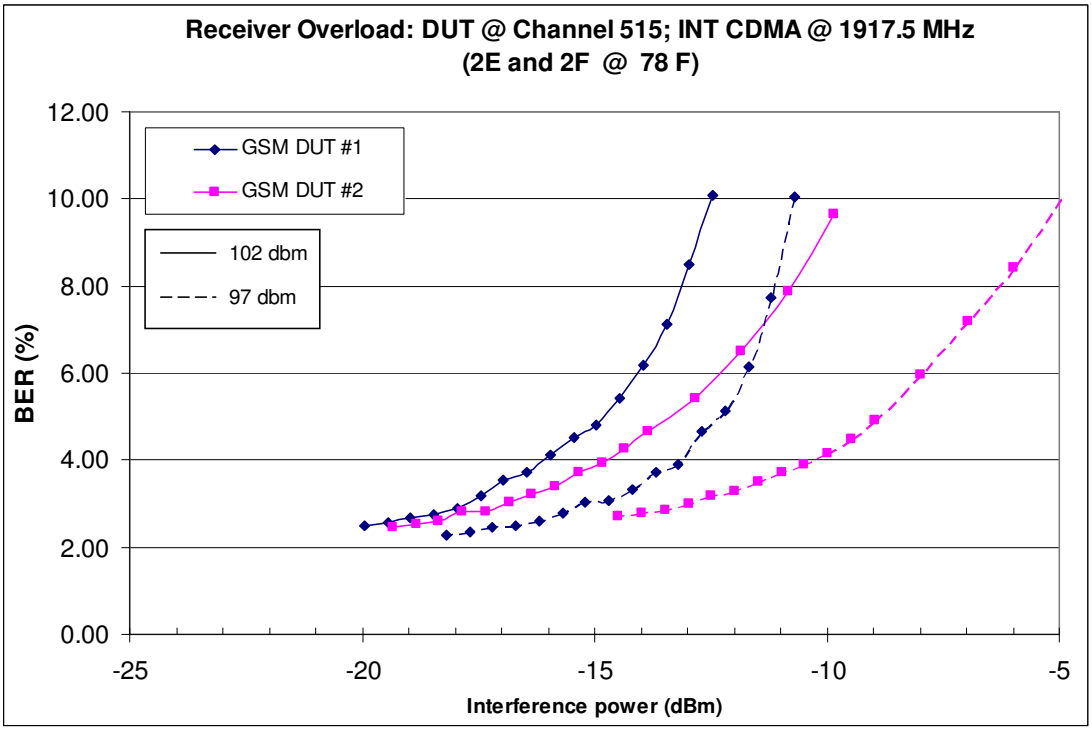


Table 86: Comparative GSM Receiver Overload (2)



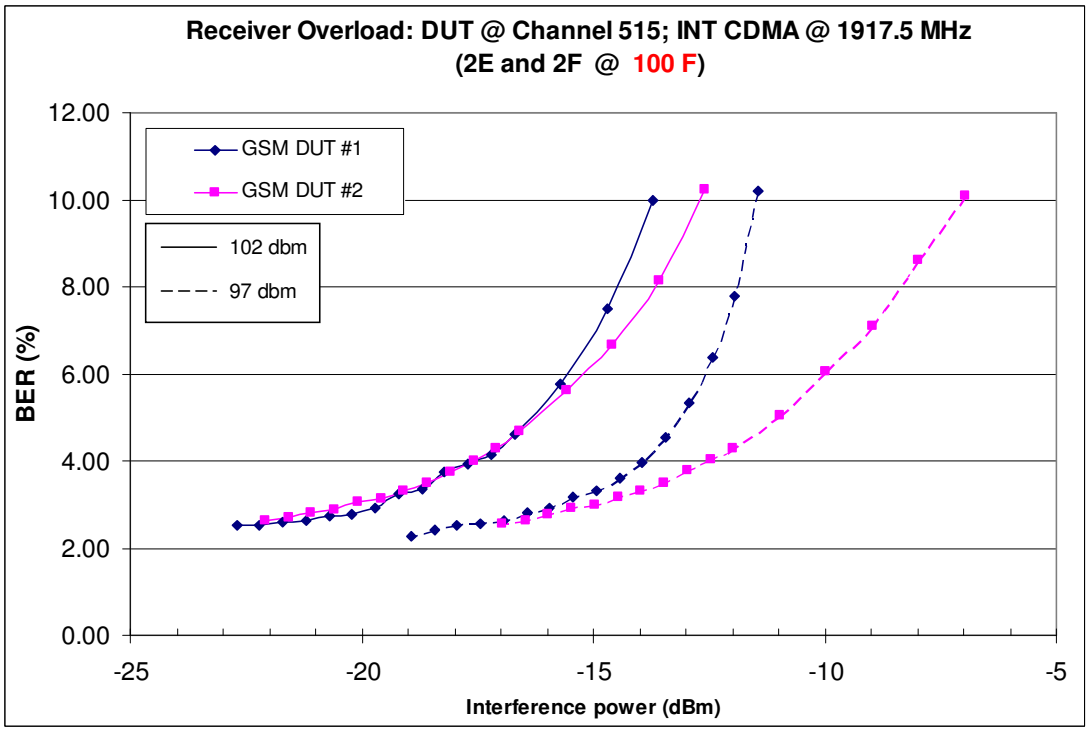
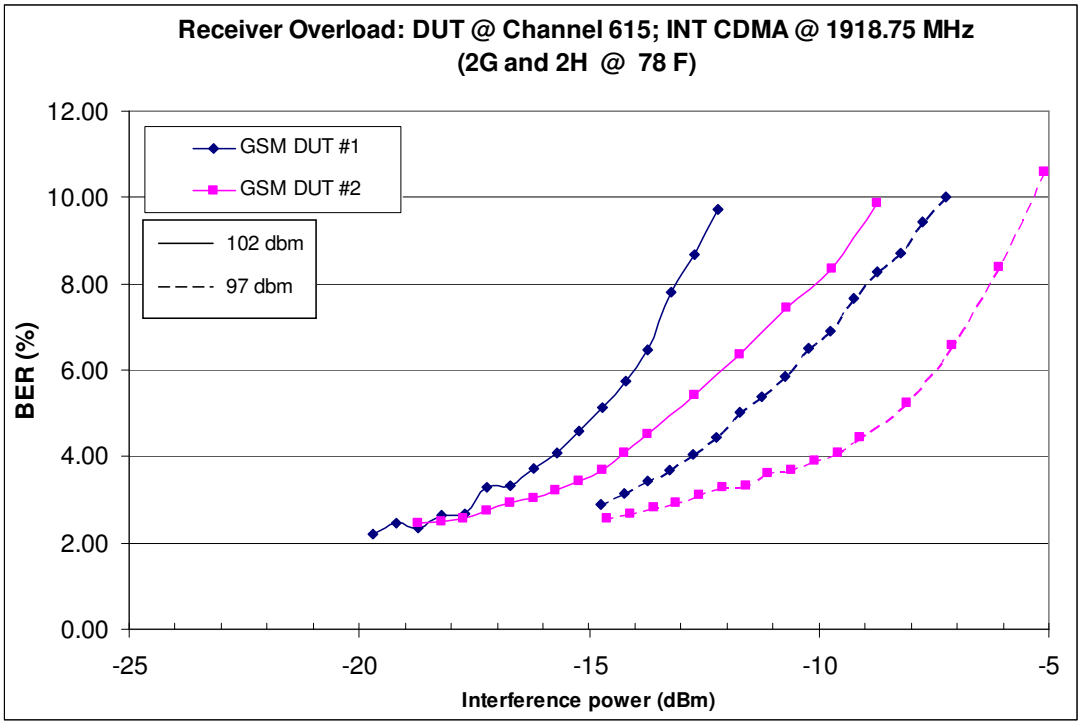


Table 87: Comparative GSM Receiver Overload (3)



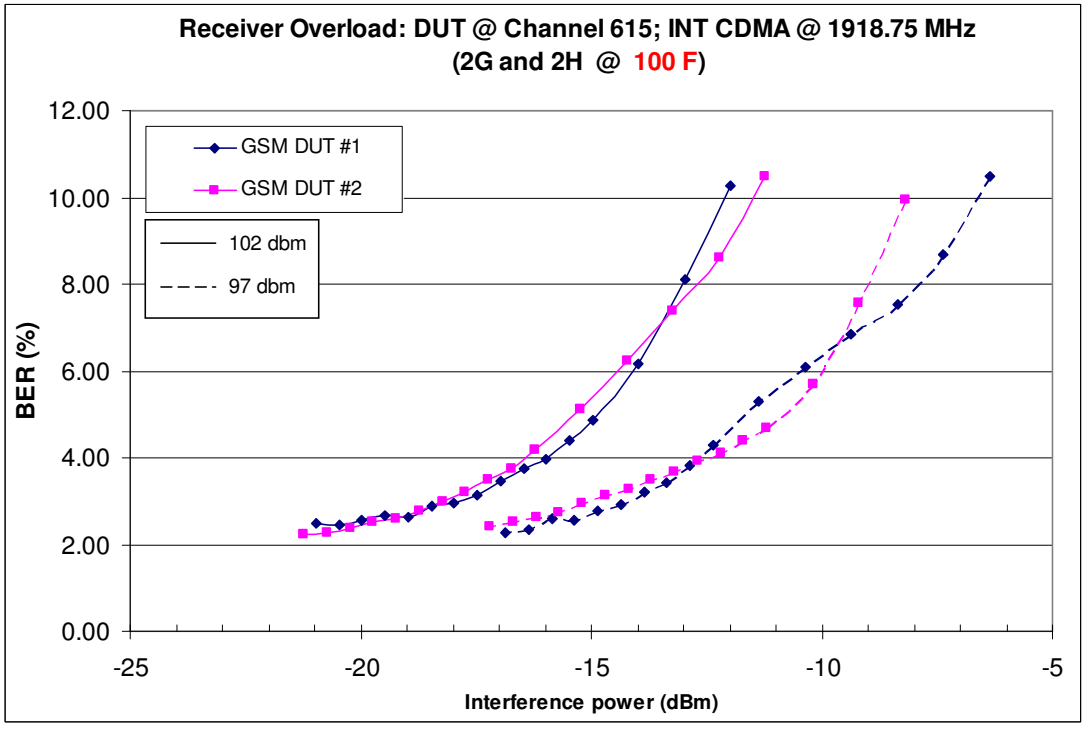
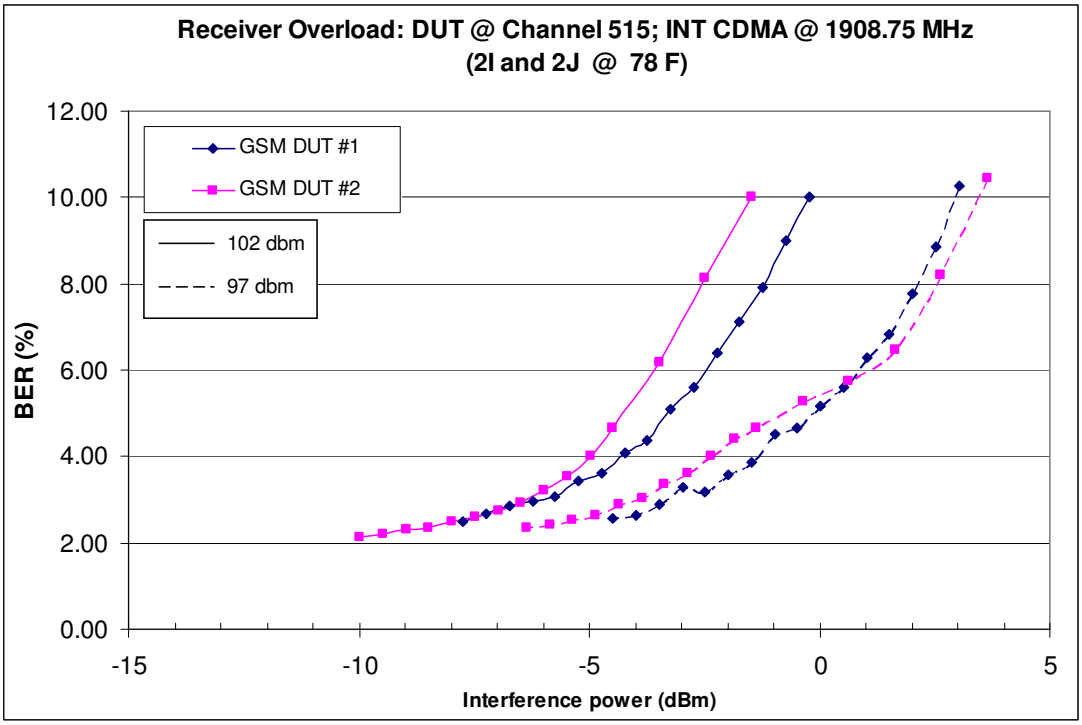


Table 88: Comparative GSM Receiver Overload (4)



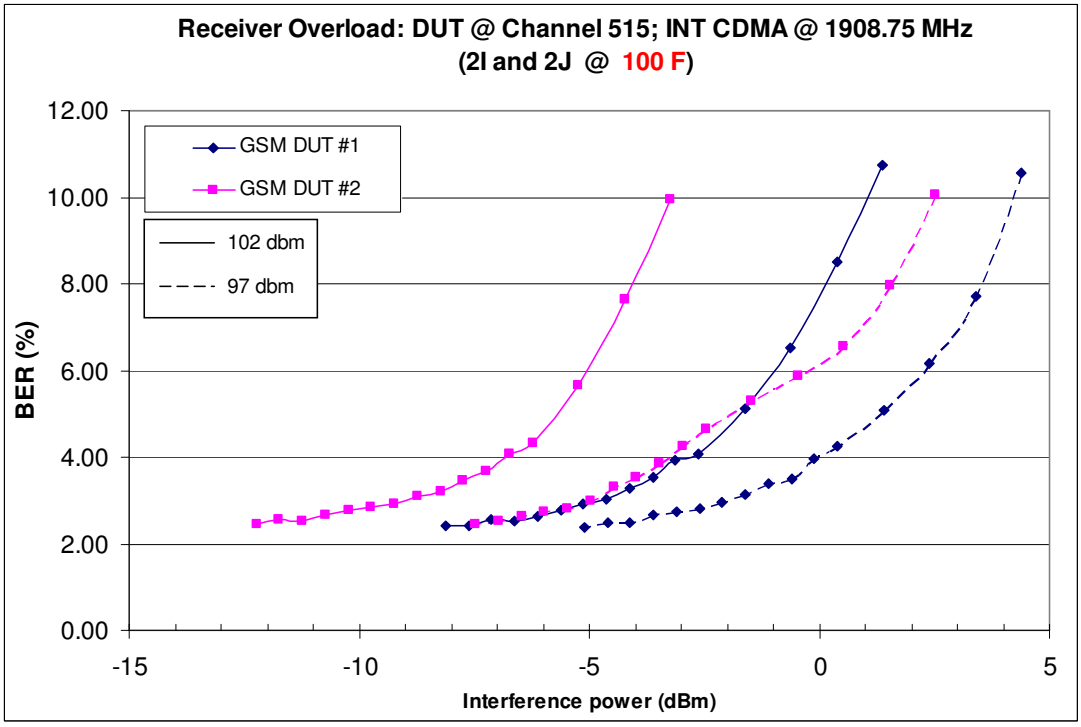
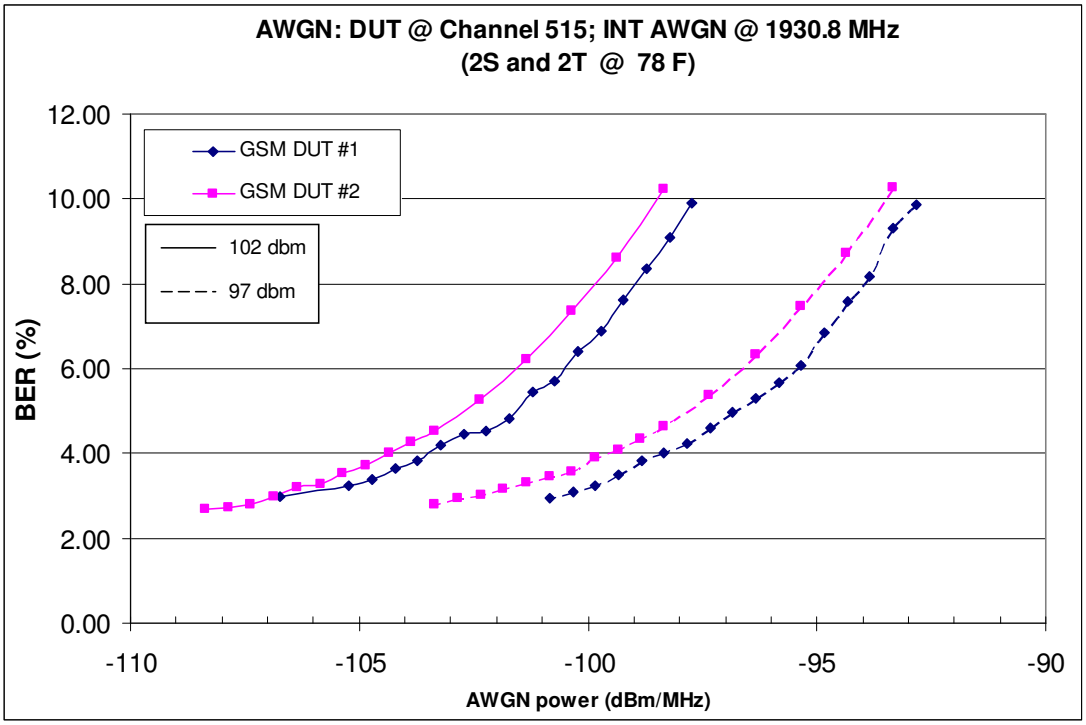


Table 89: Comparative GSM Receiver Overload (5)



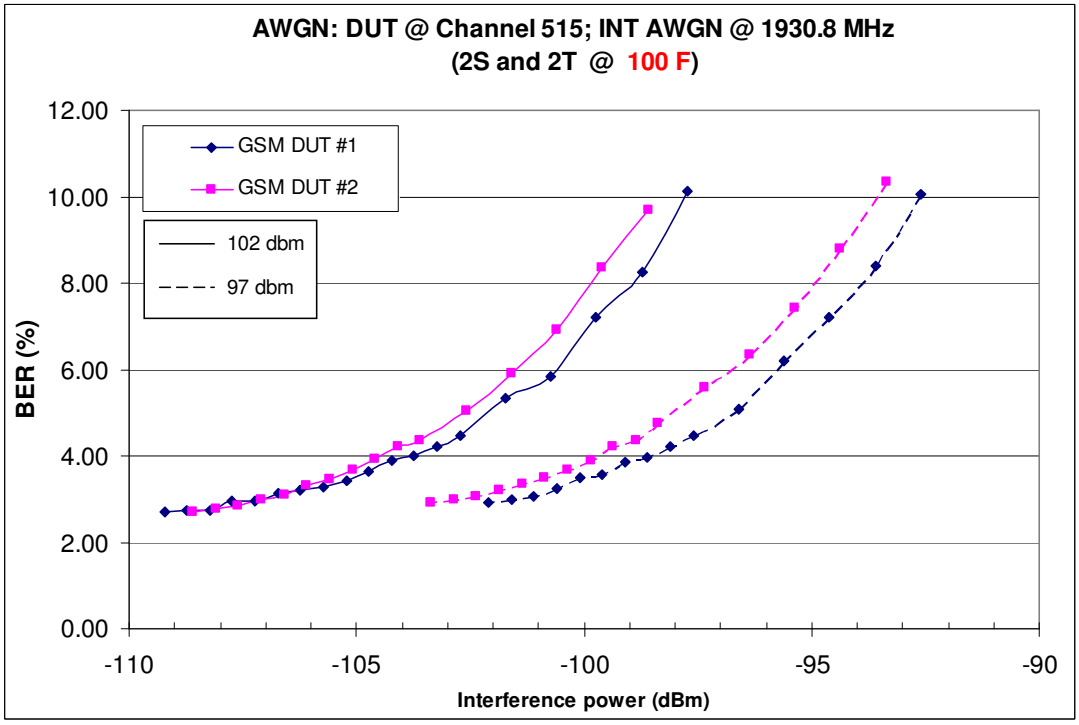
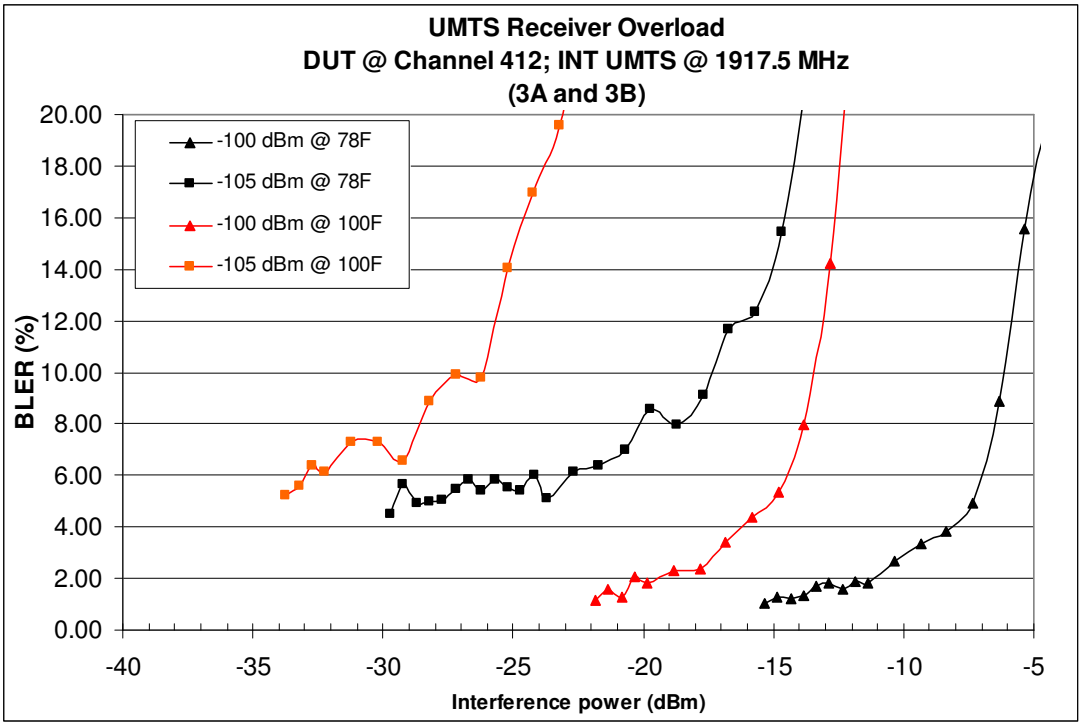


Table 90: Comparative GSM AWGN (1)

Comparative Results for UMTS Handsets



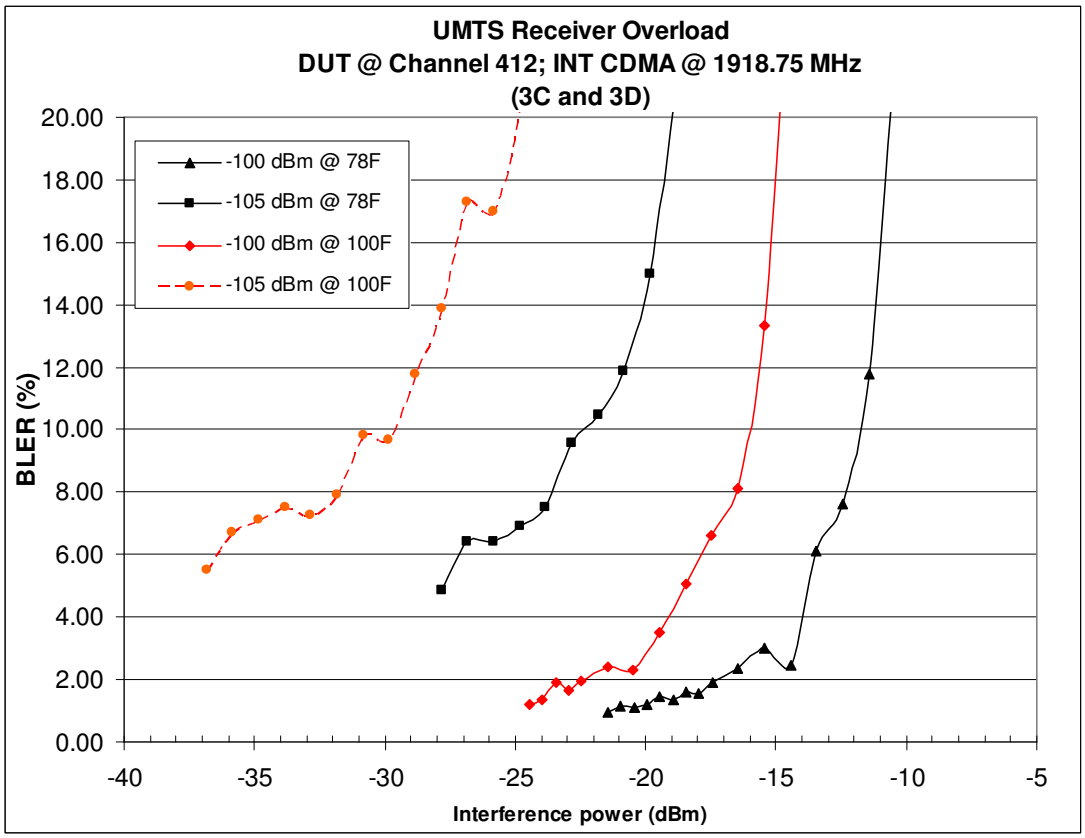
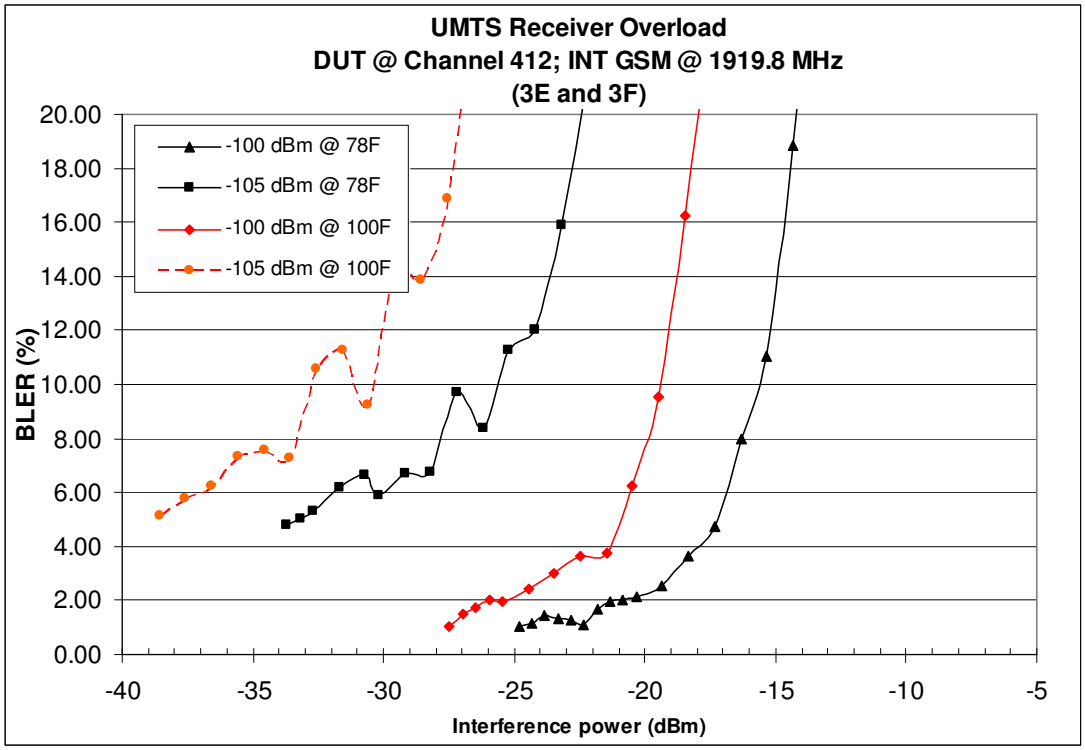


Table 91: UMTS Receiver Overload (1)



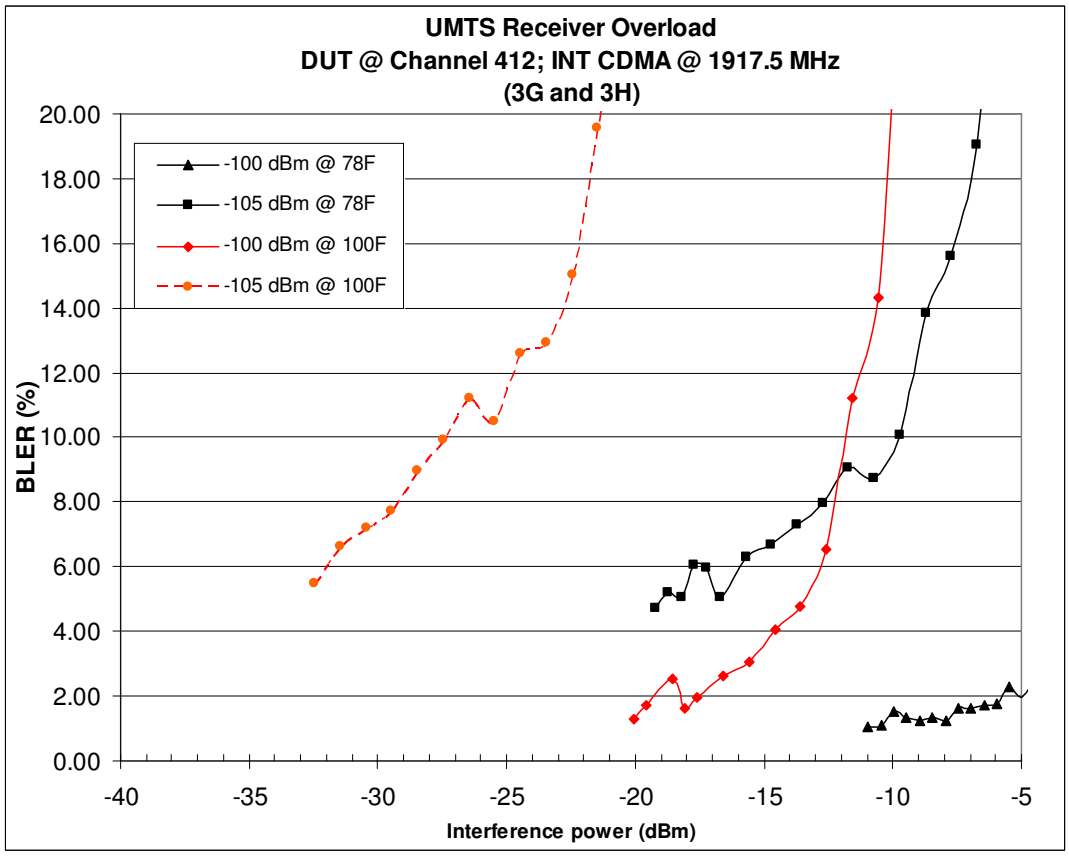
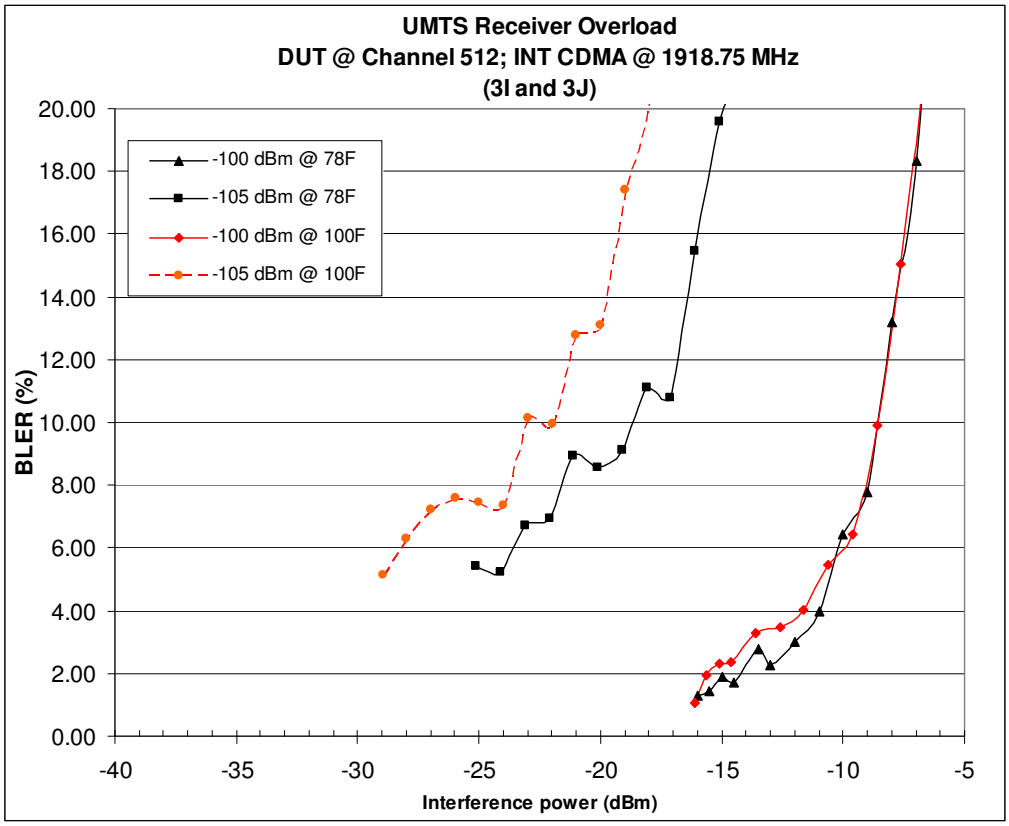


Table 92: UMTS Receiver Overload (2)



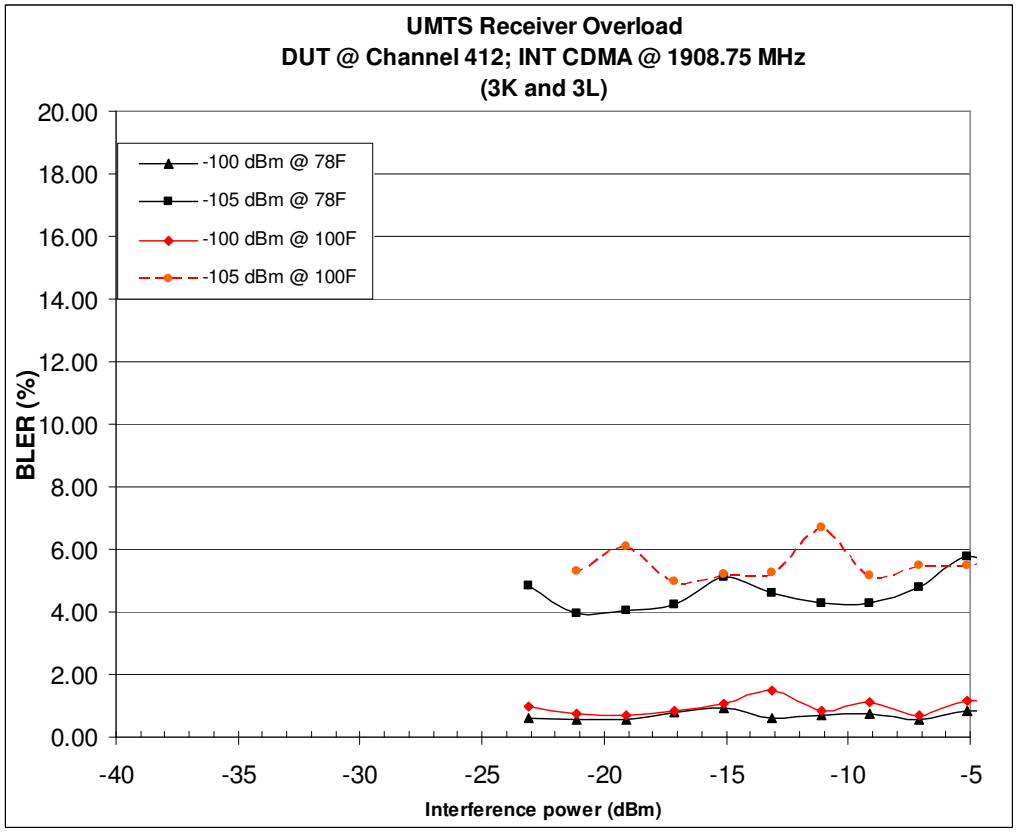


Table 93: UMTS Receiver Overload (3)

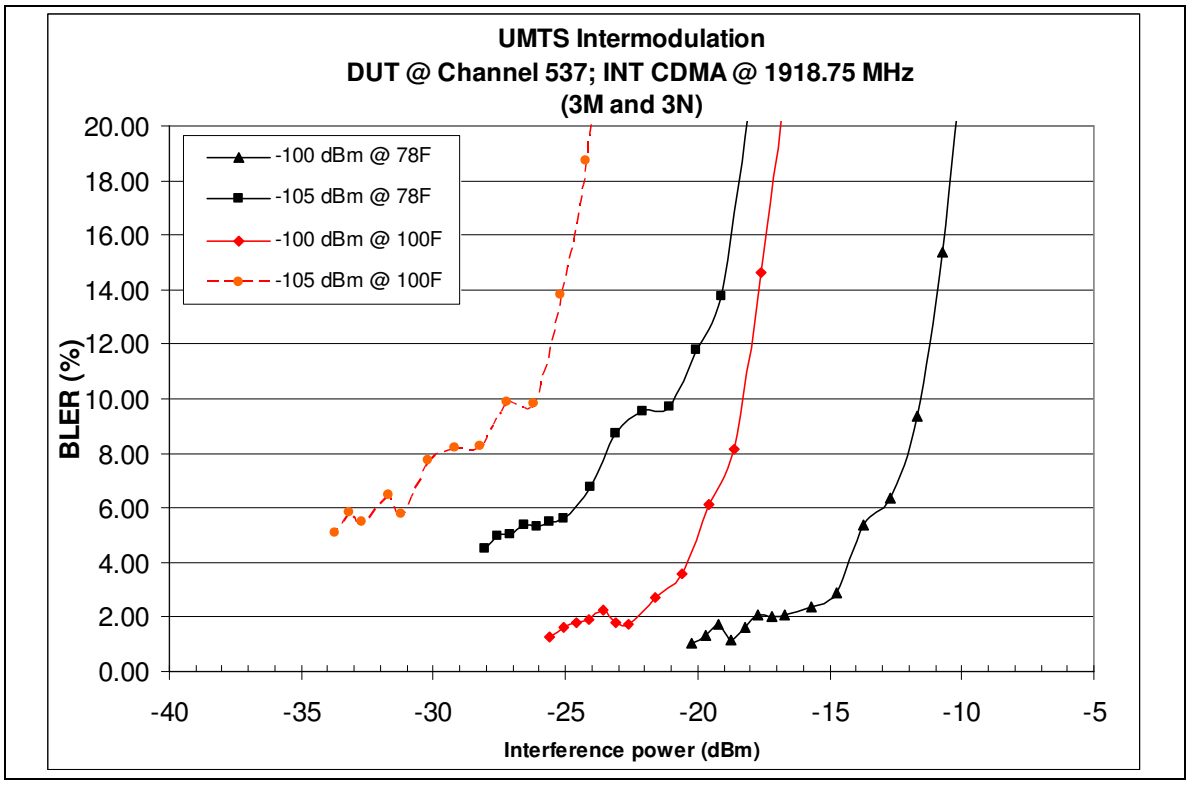


Table 94: UMTS Intermodulation

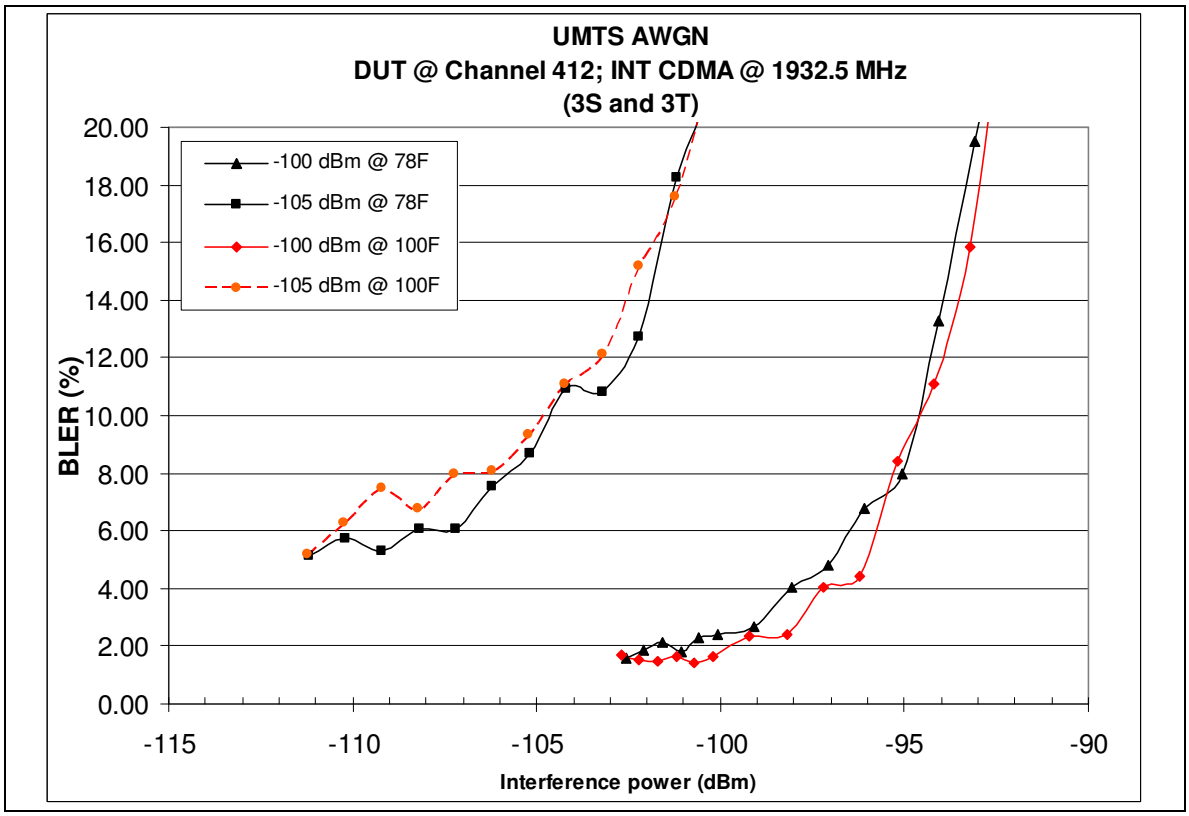
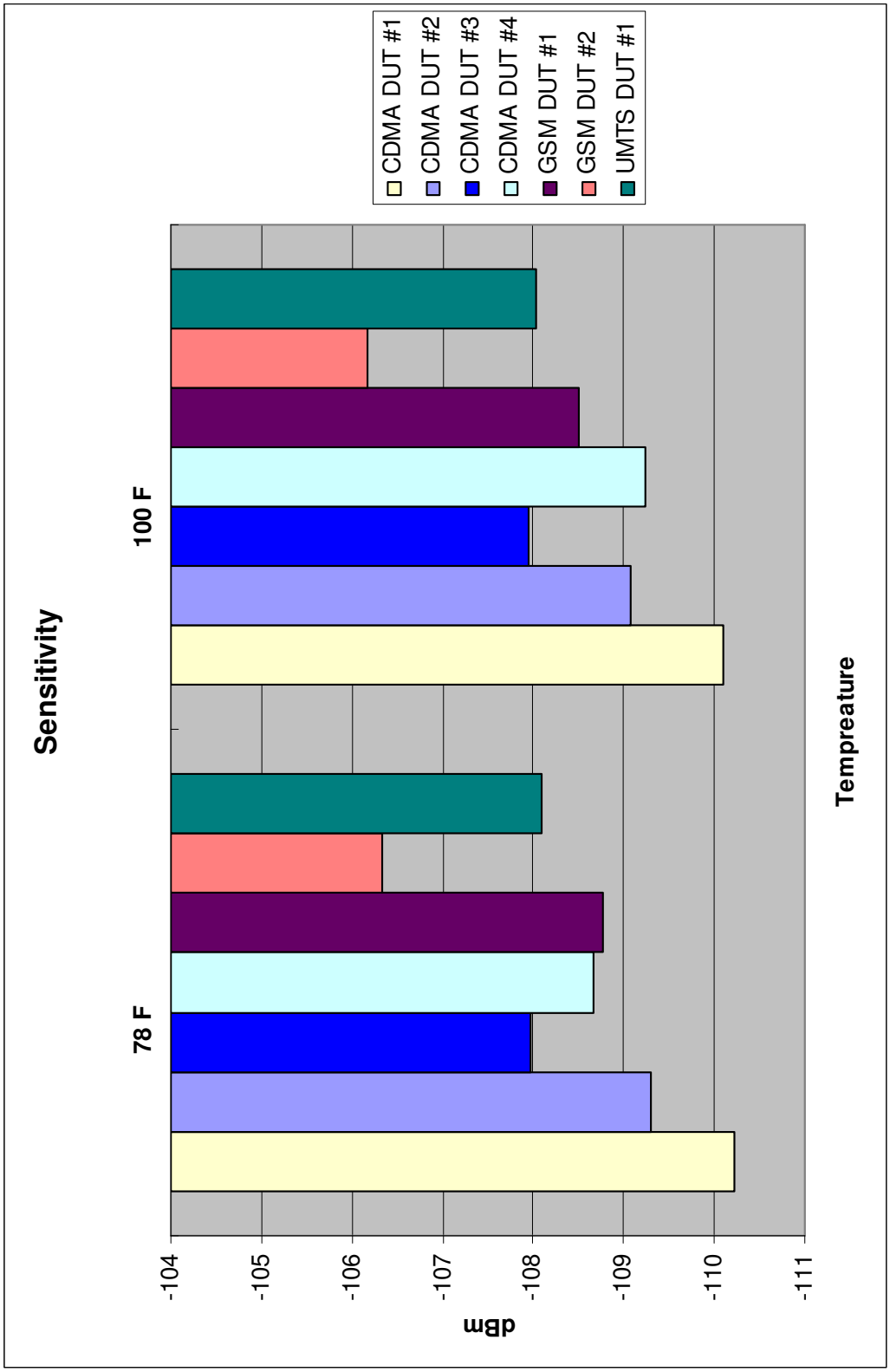
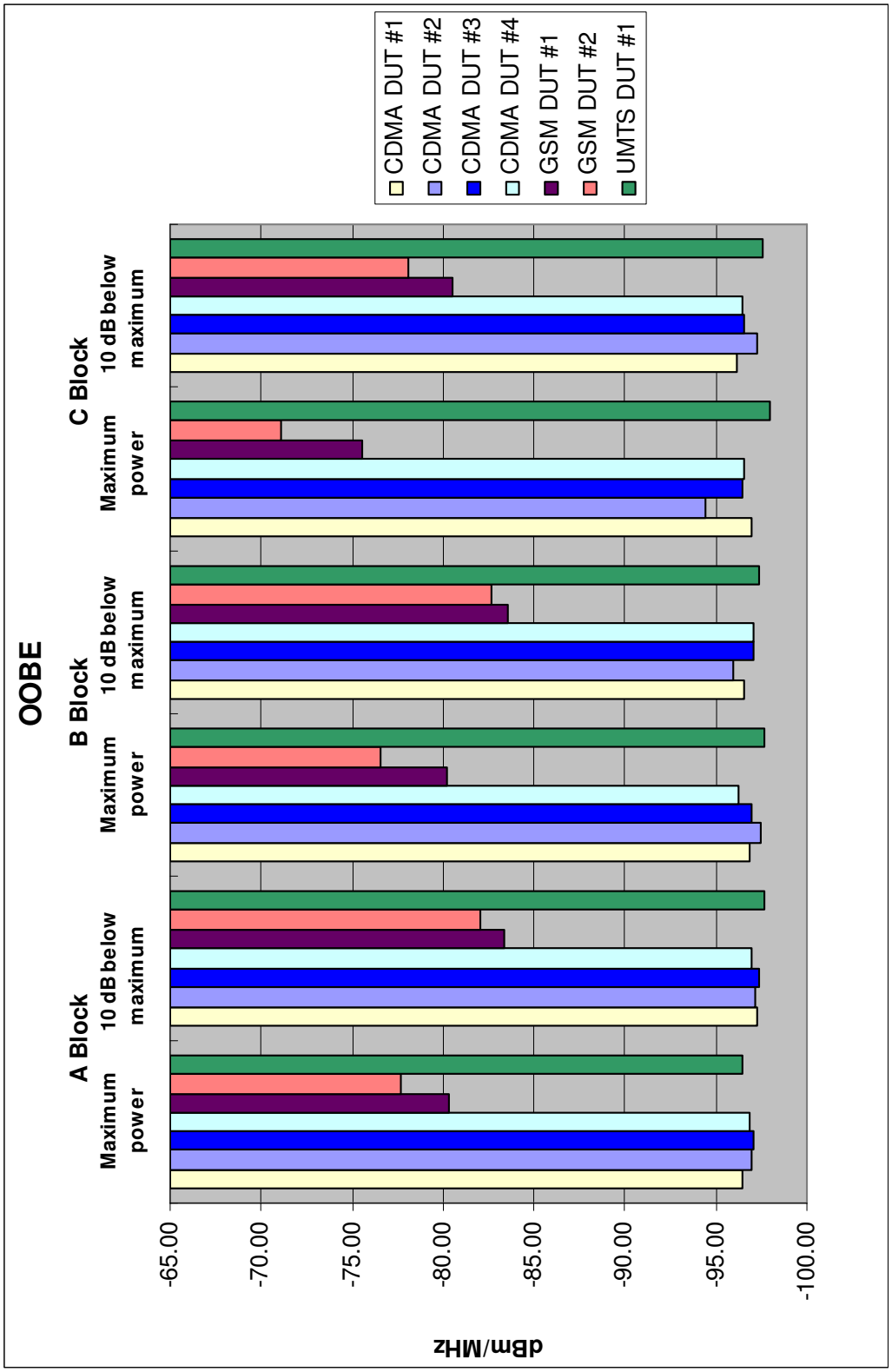


Table 95: UMTS AWGN

Comparative Results for Sensitivity



Comparative Results for OOBE



Appendix A: Equipment List

Agilent E5515C, 8960 Series 10 Wireless Communications Test Set
Serial Number: GB41400471
Options: CDMA2000
Firmware Revision: B.07.28

Rohde and Schwarz Universal Radio Communications Tester, Model CMU 200
Serial Number: 837109/057
Firmware Revision: 3.54

Agilent E4438C ESG Vector Signal Generator
Serial Number: MY42082617
Options: 003, 005, 400, 401, 402, 403, 404, 406, 408, 409, 411, 414, 417, 421, 506, 602, UN7, UNJ
Firmware Revision: C.03.73

Agilent E4438C ESG Vector Signal Generator (WINLAB)
Serial Number: MY42082667
Options: 005, 401, 402, 403, 417, 506, 602, UNJ
Firmware Revision: C.03.72

Agilent E4405B Spectrum Analyzer
Options: 304, A4H, 231, 228
Serial Number: MY41440593
Firmware Revision: A.10.00

Agilent E5071B Network Analyzer
Serial Number: MY42100238
Options: 010, 015, 214, UNQ
Firmware Revision: A.03.50

Agilent E3631A Triple Output Power Supply – Powers RF chamber heater
Serial Number: MY40014397

Agilent E3646A Dual Output Power Supply – Chamber fan and LNA power
Serial Number: MY40001754

Agilent 34401A 6½ Digit Multimeter (Temperature probe)
Serial Number: MY41034848

Lindgren RF Enclosures RF Chamber, Model T/T
Serial Number 19902-E

Miteq 2-6GHz Ultra Low Noise Amplifier, Model AFS4-02000600-09-10P-4
Serial Number: 728115

K&L Microwave PCS Duplexer, WSD-00001
Serial Number: 541

K&L Microwave PCS Duplexer, WSD-00010, used as a “C-Block” filter
Serial Number: 962

Meca Electronics, Isolator, Model IN-1.950
Date Code: 3904 and 4004

Meca Electronics, Splitter/Combiner, Model 802-4-1.950

Meca Electronics, Circulator, Model CN-1.950
Date Code: 3804

Digital Communications Inc. (DCI), H-Block Filter, Model 1915-1920MHz
Serial Number: 13957

Fluke 80PK-4A K-Type Thermocouple Probe, with 80AK Thermocouple Adapter

Appendix B: Test Setup Characterization

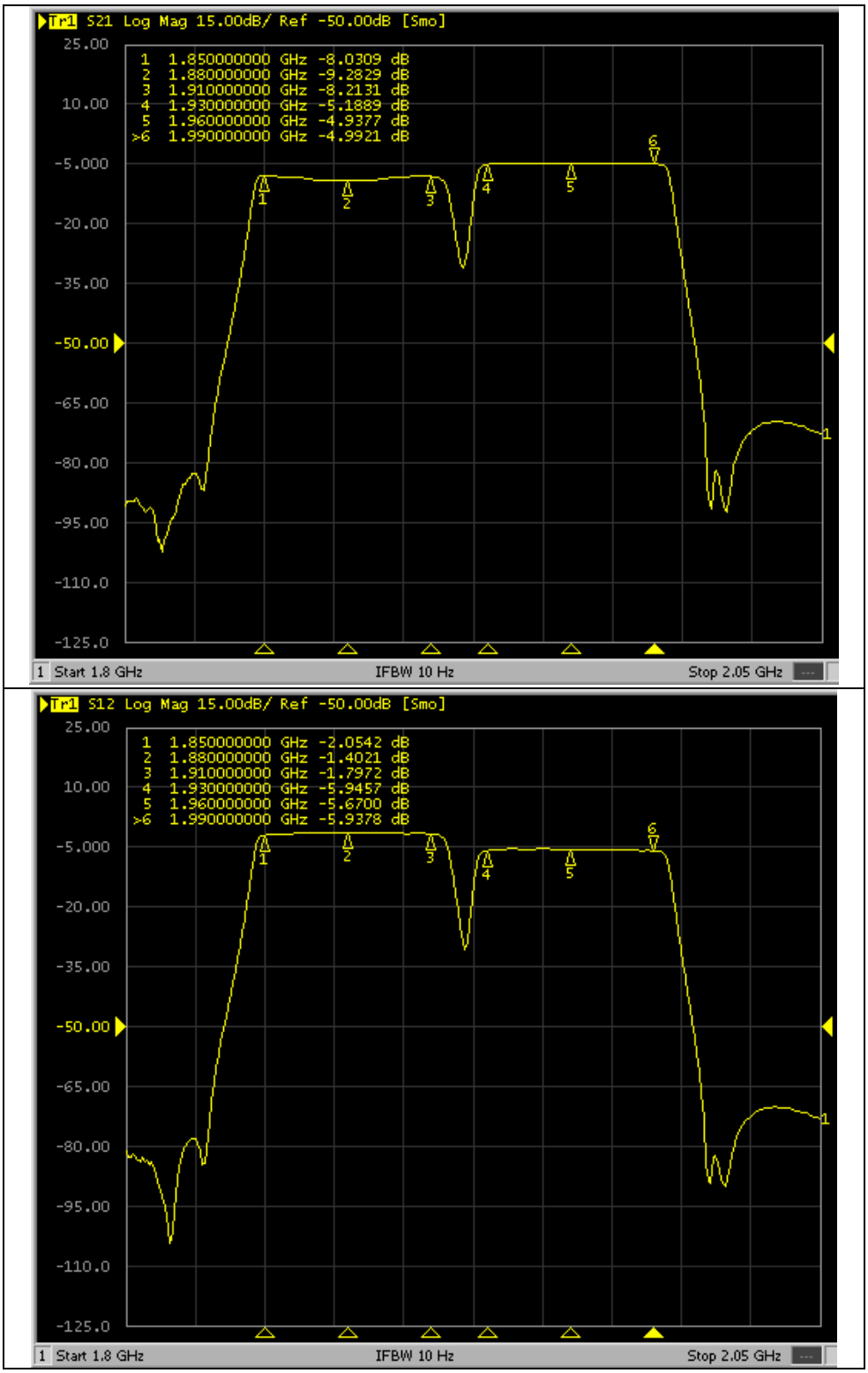
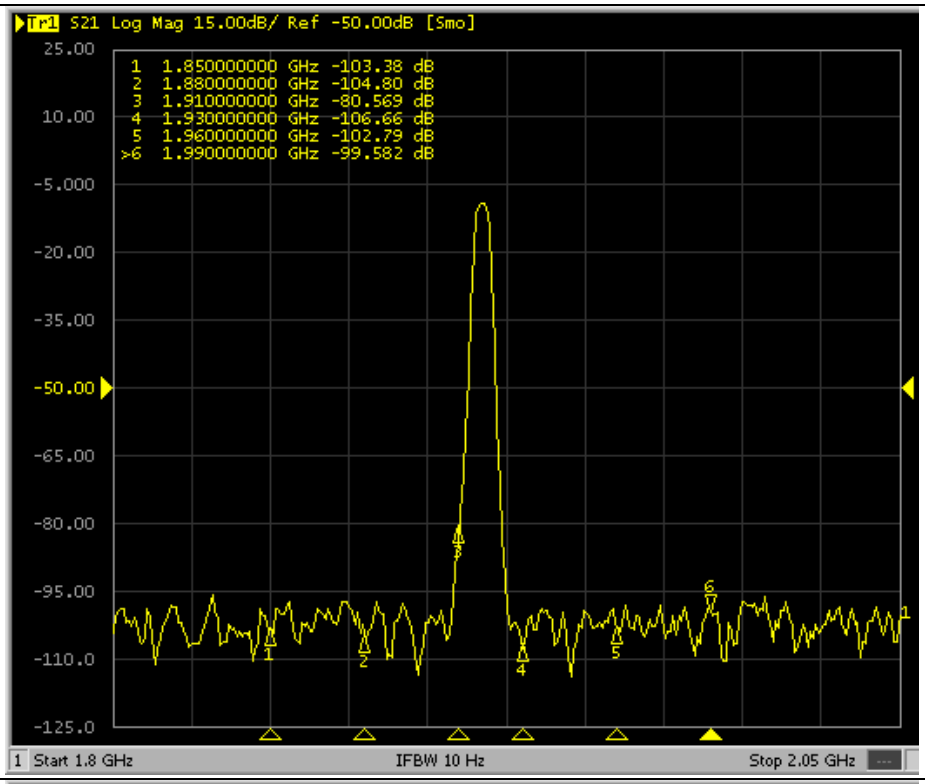


Table 96: Test Setup 1 - BSS to DUT Characterization (s21 and s12)



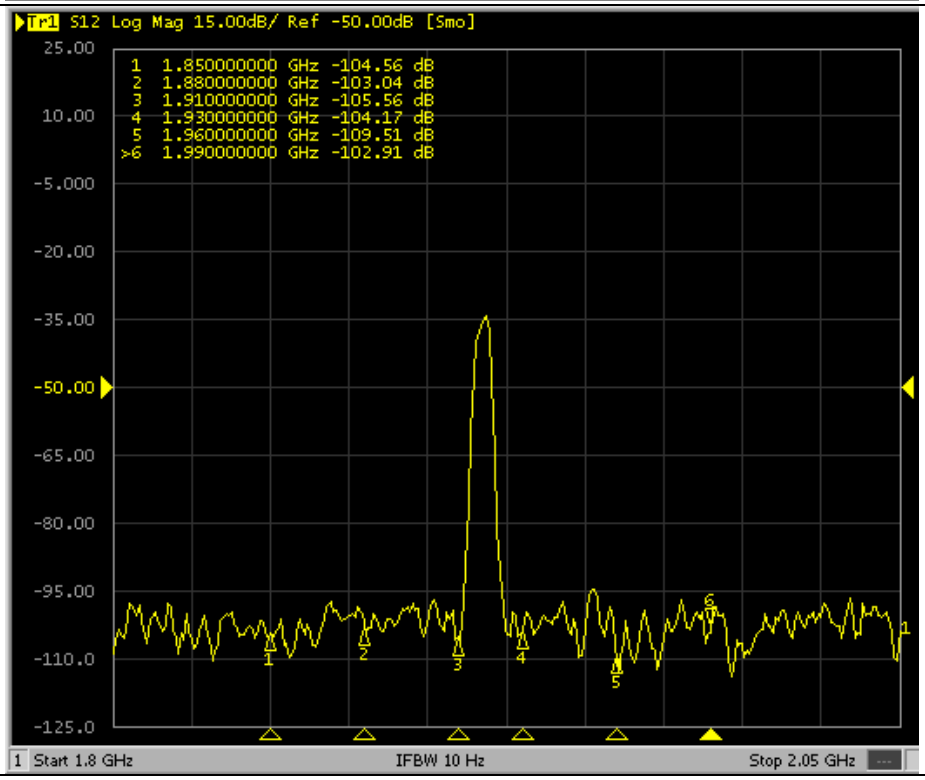


Table 97: Test Setup 1 - INT to DUT Characterization (s21 and s12)

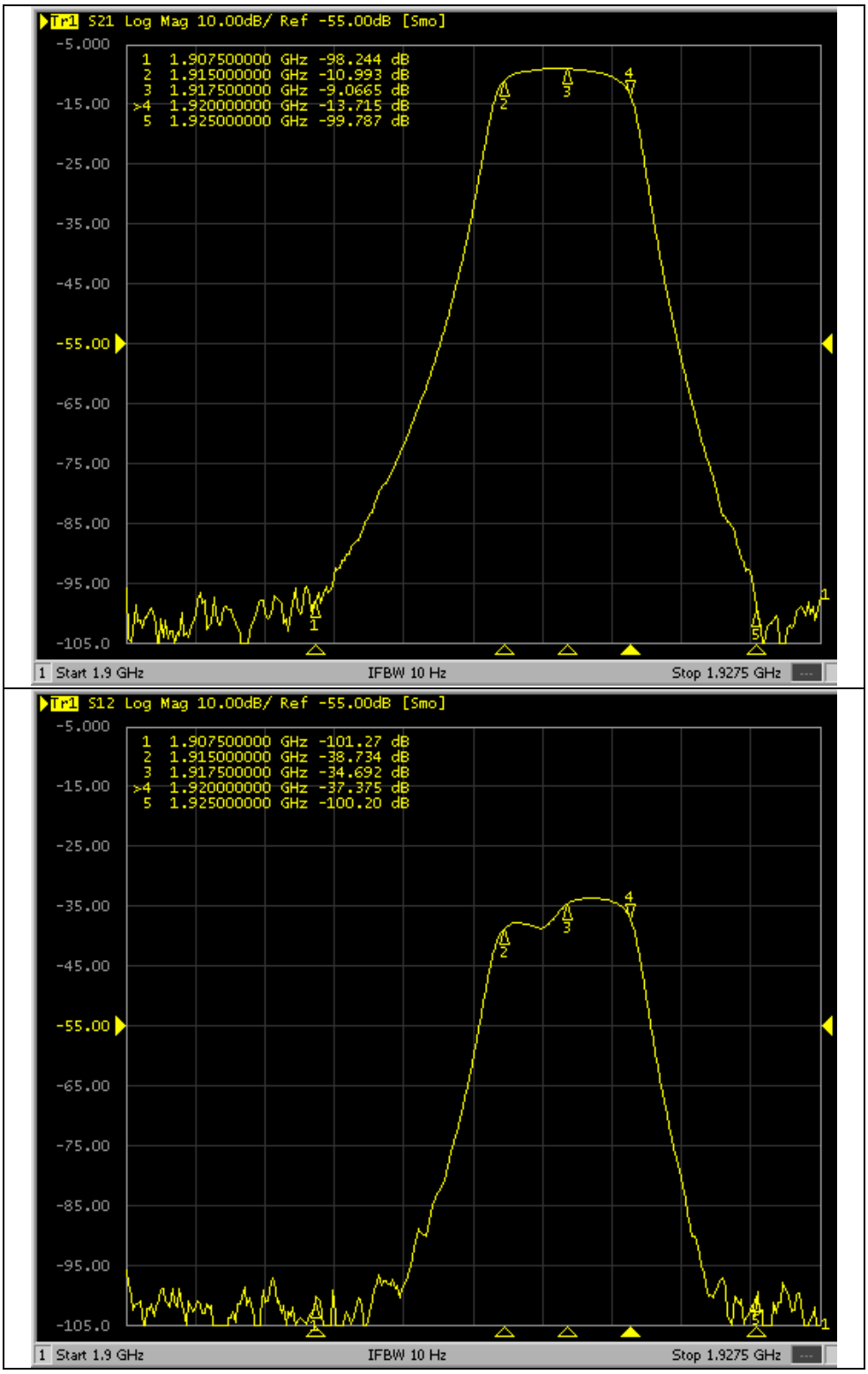


Table 98: Test Setup 1 - INT to DUT Characterization (s21 and s12) (detail)

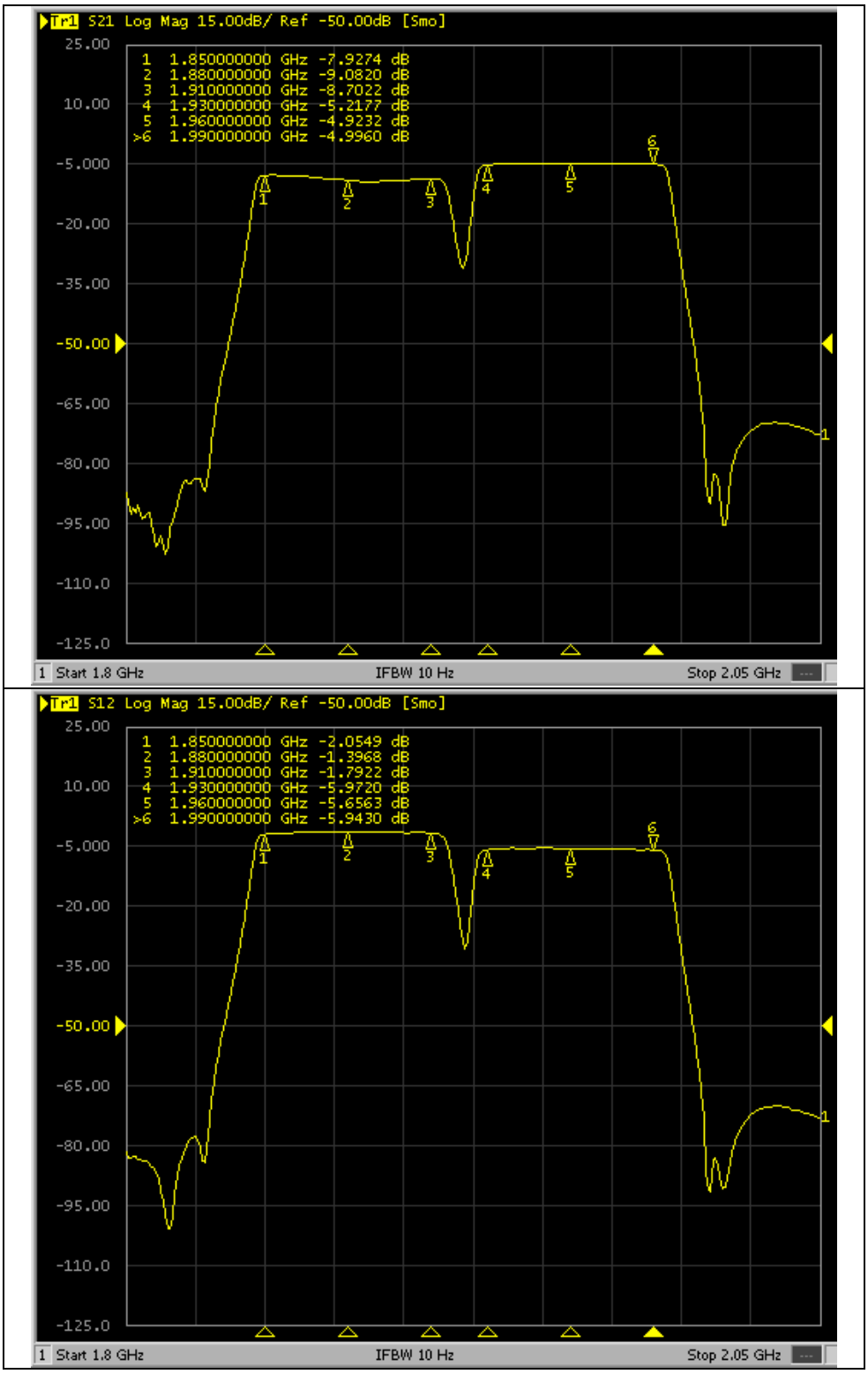


Table 99: Test Setup 2 - BSS to DUT Characterization (s21 and s12)

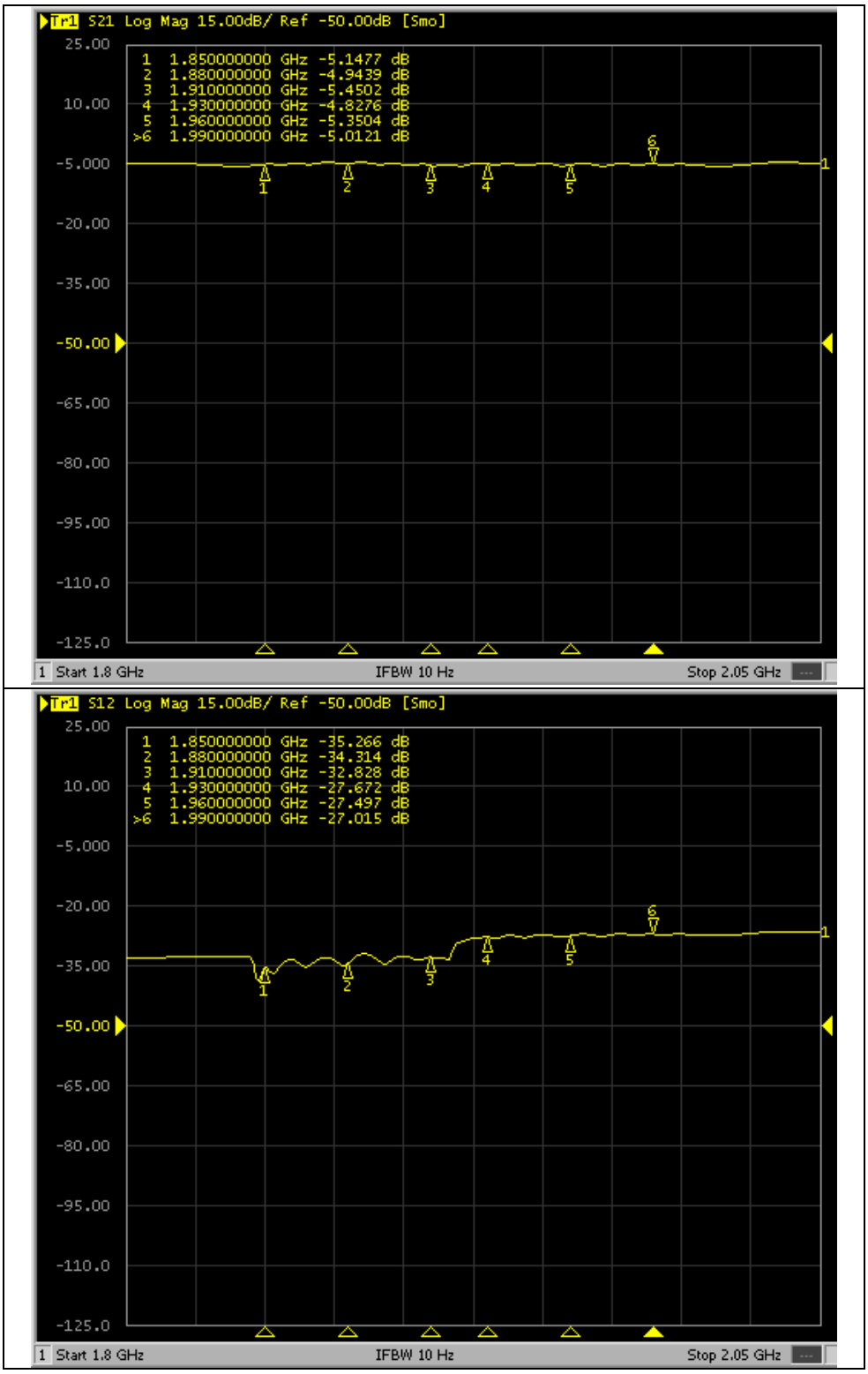


Table 100: Test Setup 2 - INT to DUT Characterization (s21 and s12)

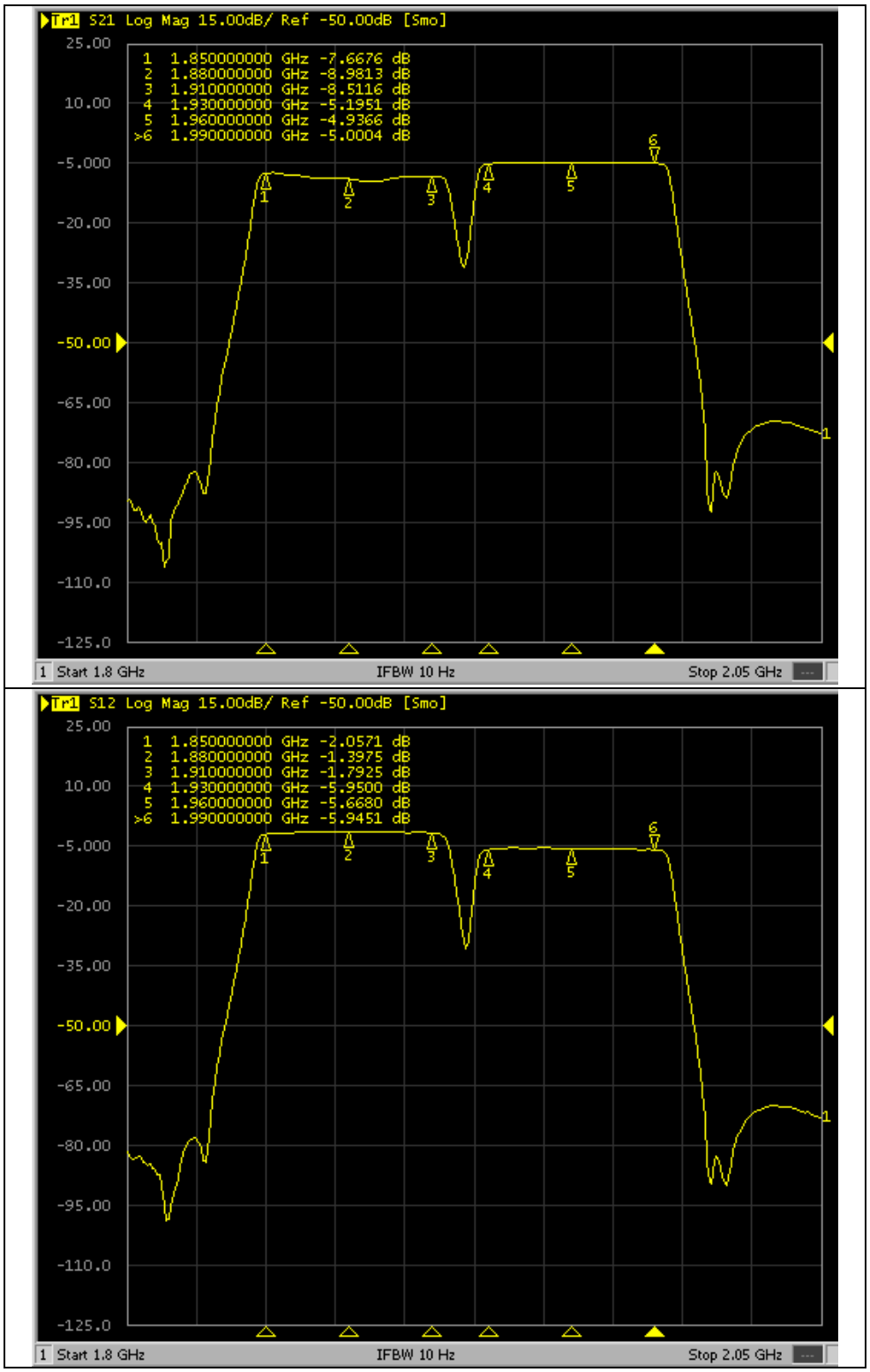


Table 101: Test Setup 3 - BSS to DUT Characterization (s21 and s12)

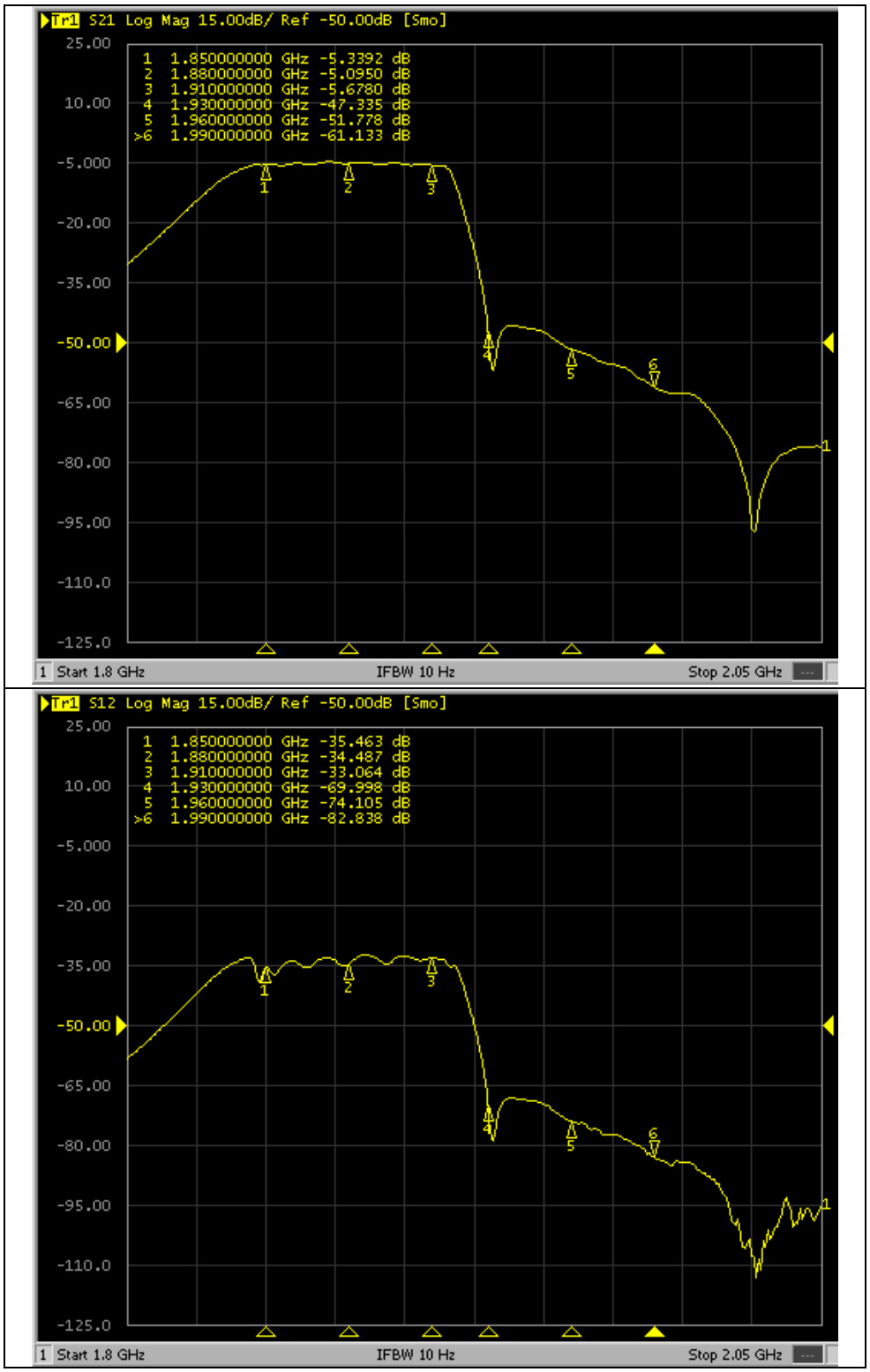


Table 102: Test Setup 3 - INT to DUT Characterization (s21 and s12)

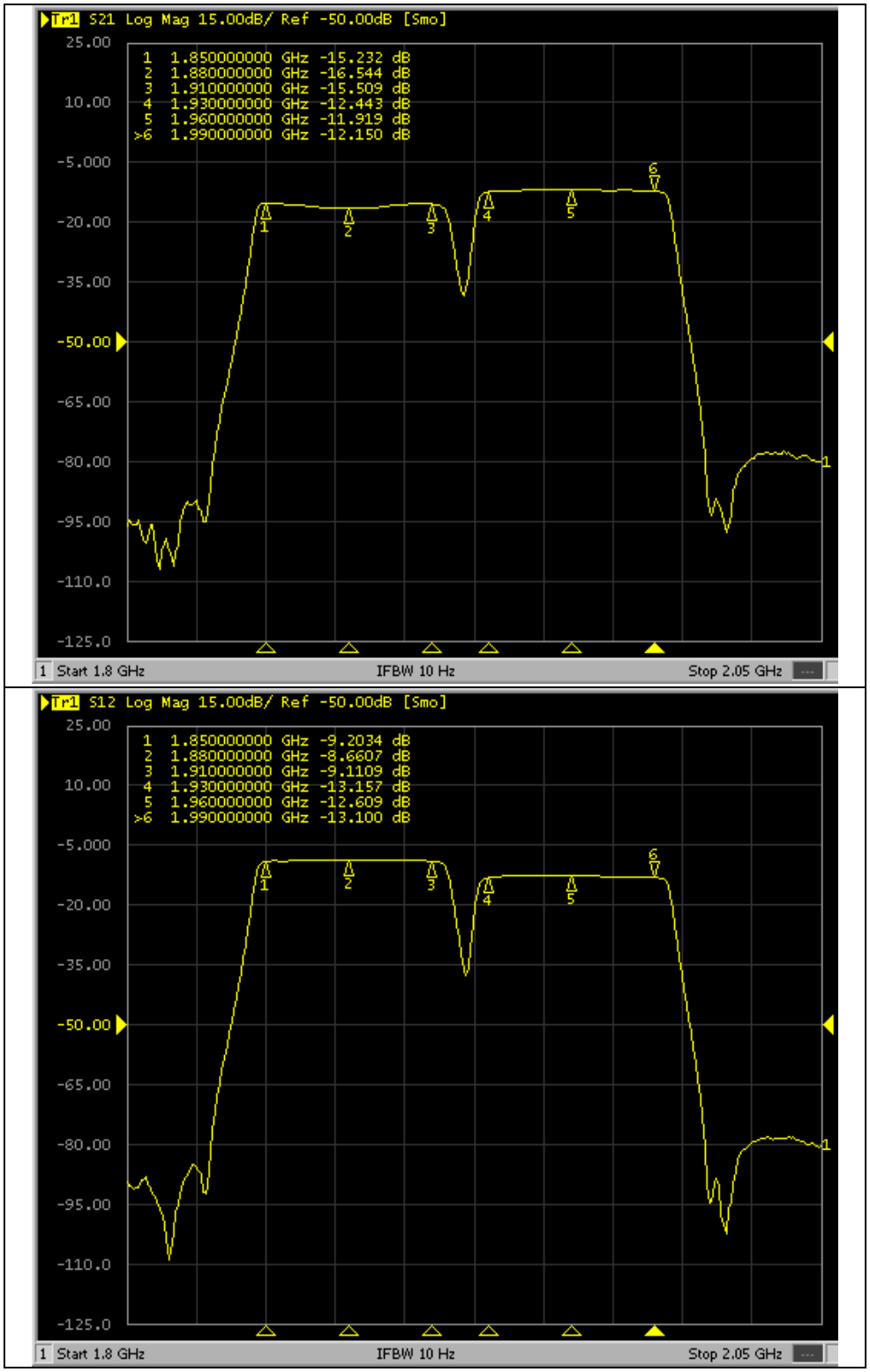


Table 103: Test Setup 4, 5, 6 (dual mode phones) - BSS to DUT Characterization (s21 and s12)

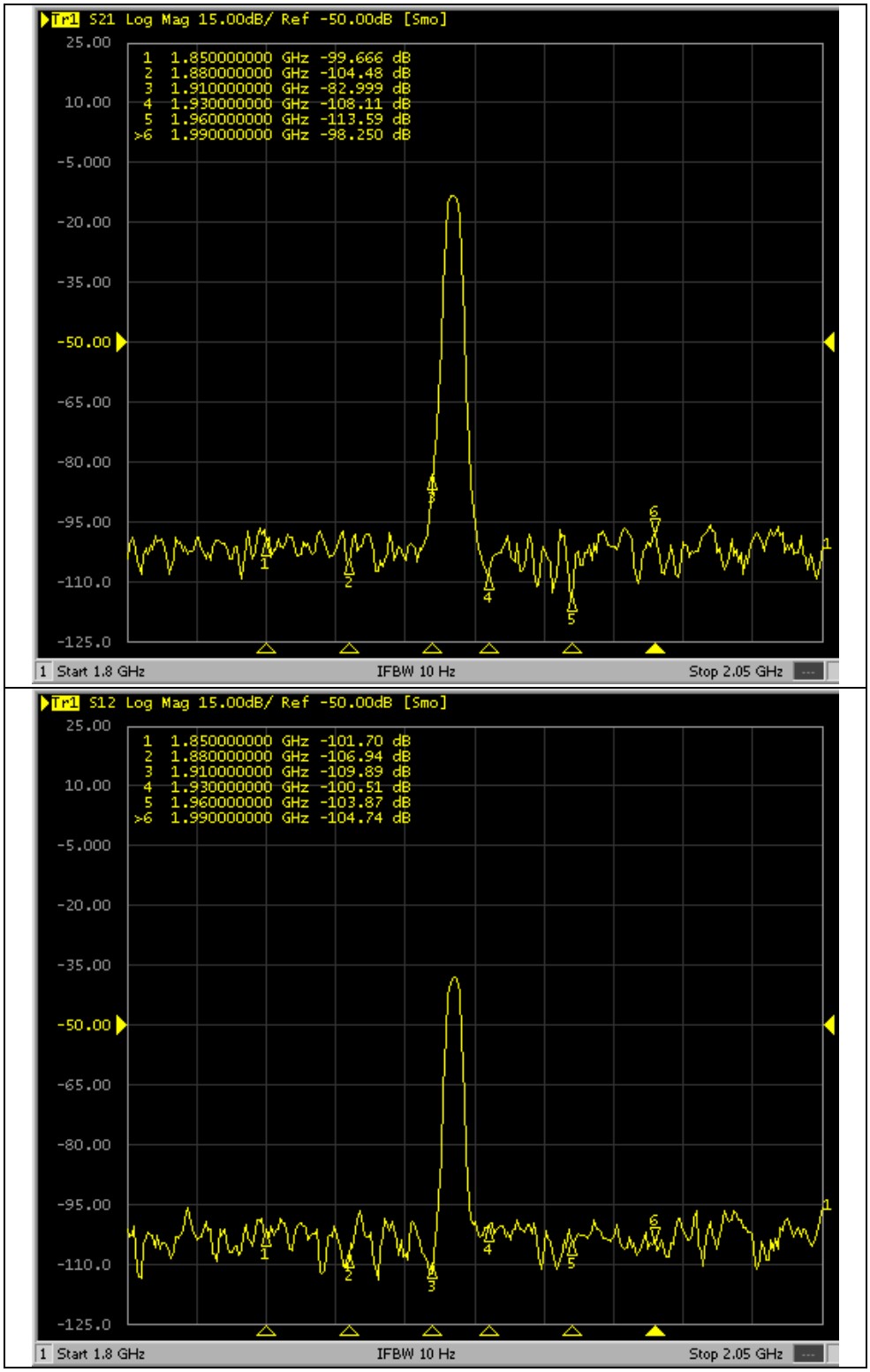


Table 104: Test Setup 4 (dual mode phones) - INT to DUT Characterization (s21 and s12)

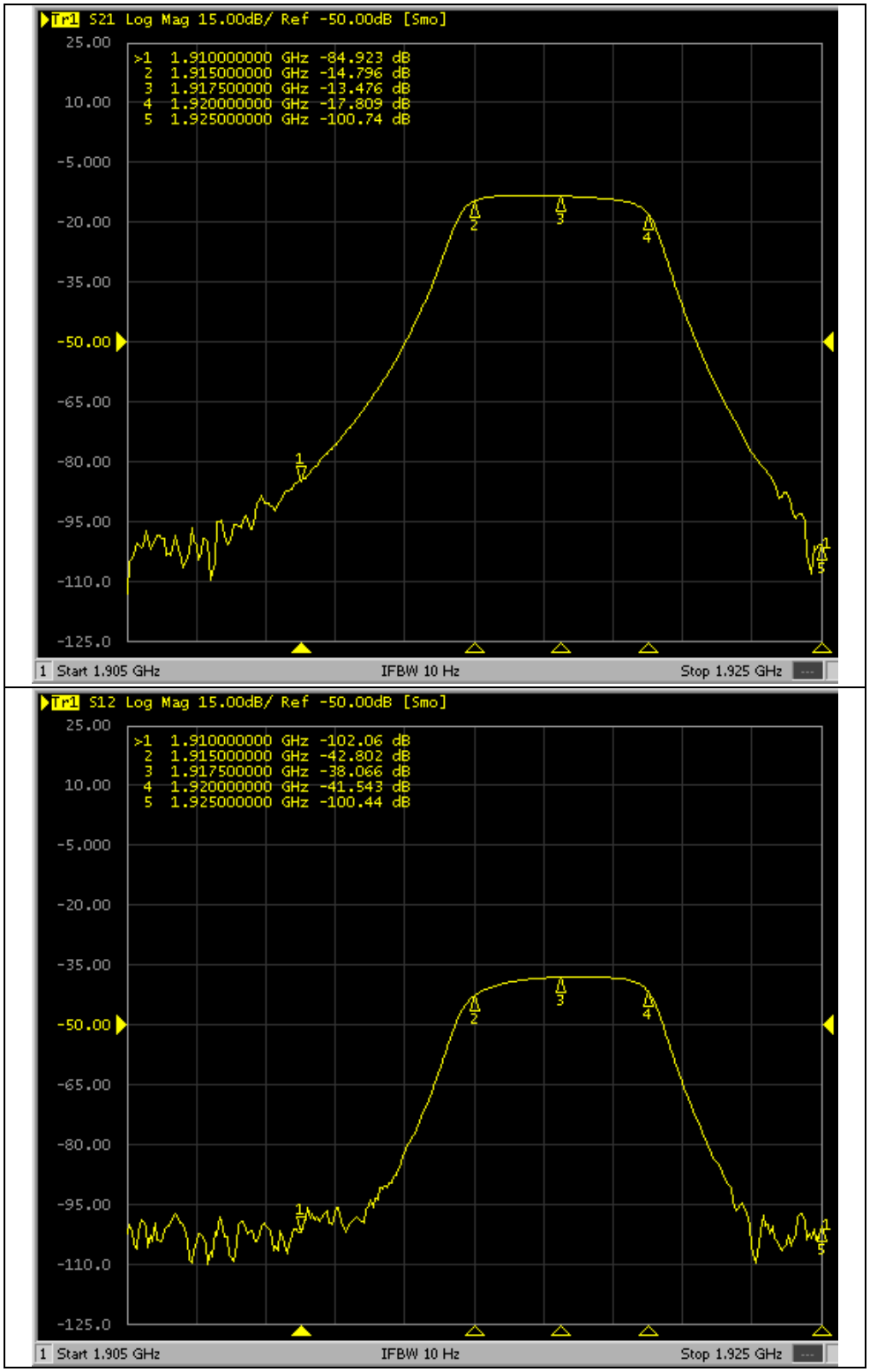


Table 105: Test Setup 4 (dual mode phones) - INT to DUT Characterization (s21 and s12) (detail)

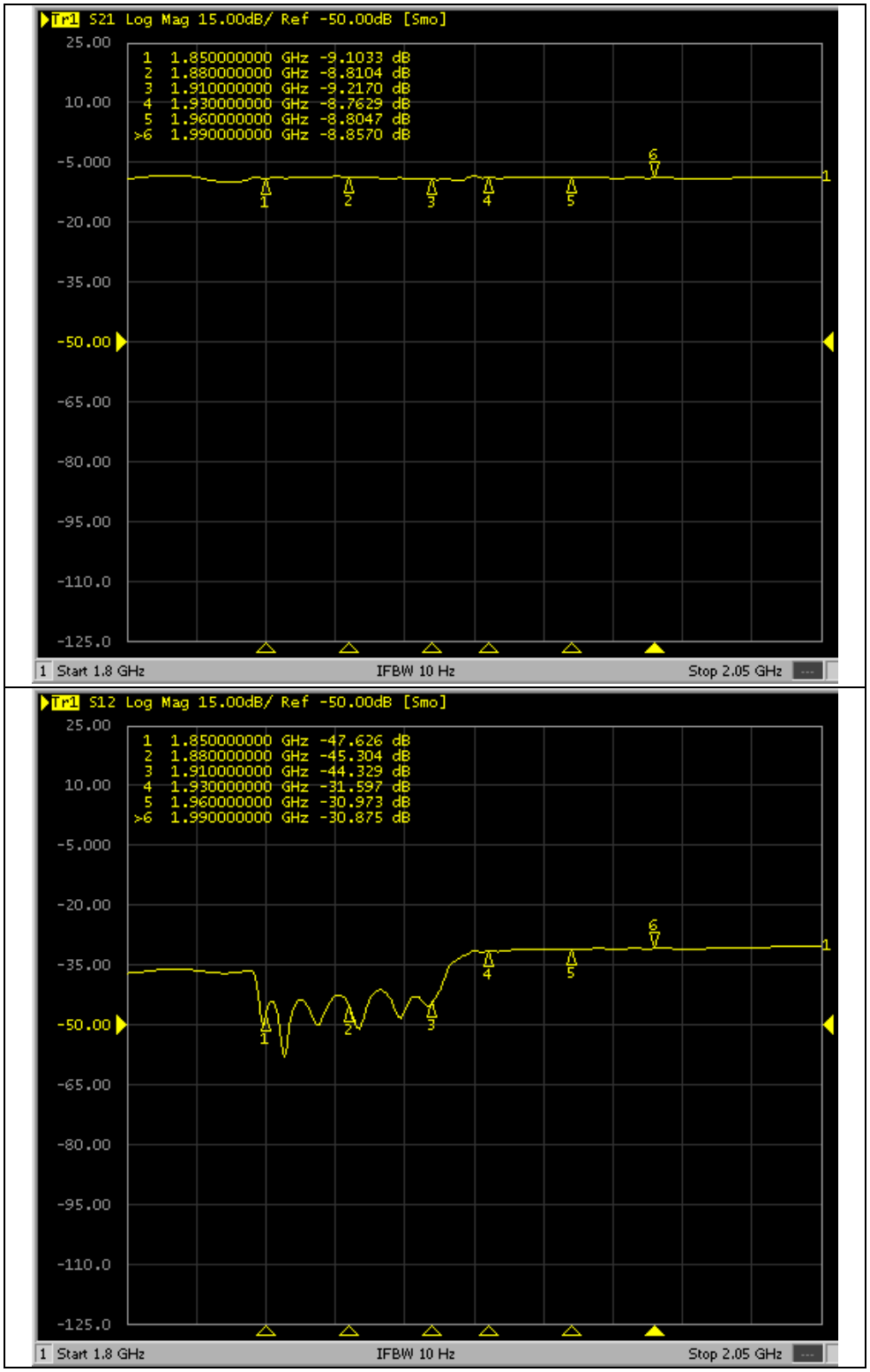
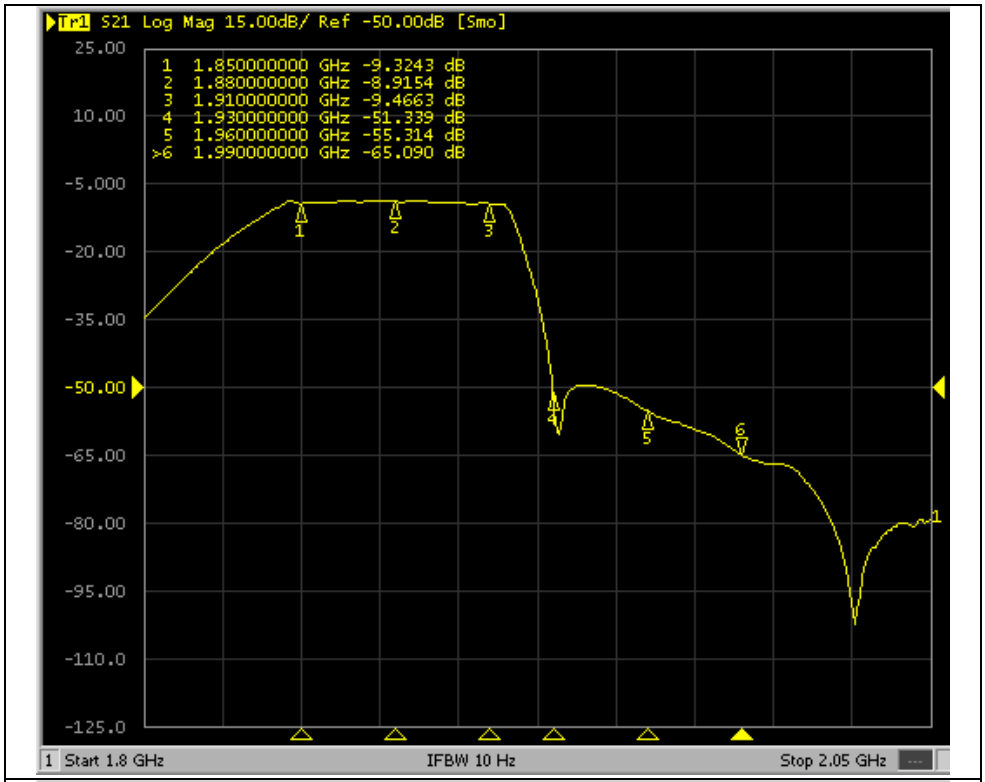


Table 106: Test Setup 5 (dual mode phones) - INT to DUT Characterization (s21 and s12)



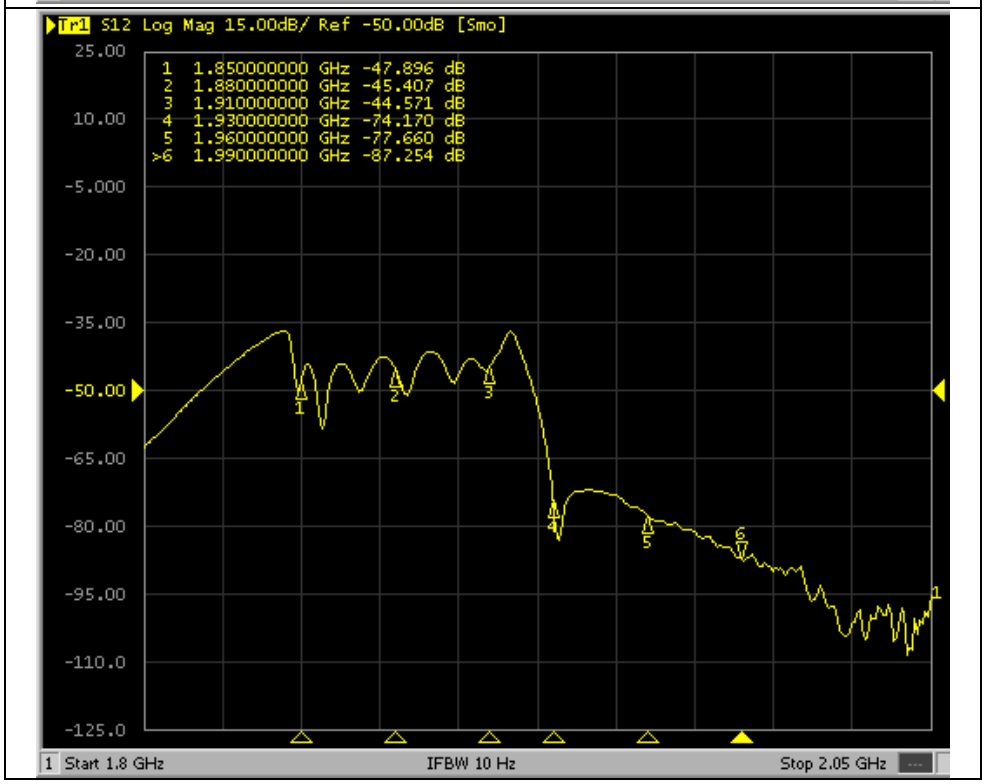


Table 107: Test Setup 6 (dual mode phone) - INT to DUT Characterization (s21 and s12)

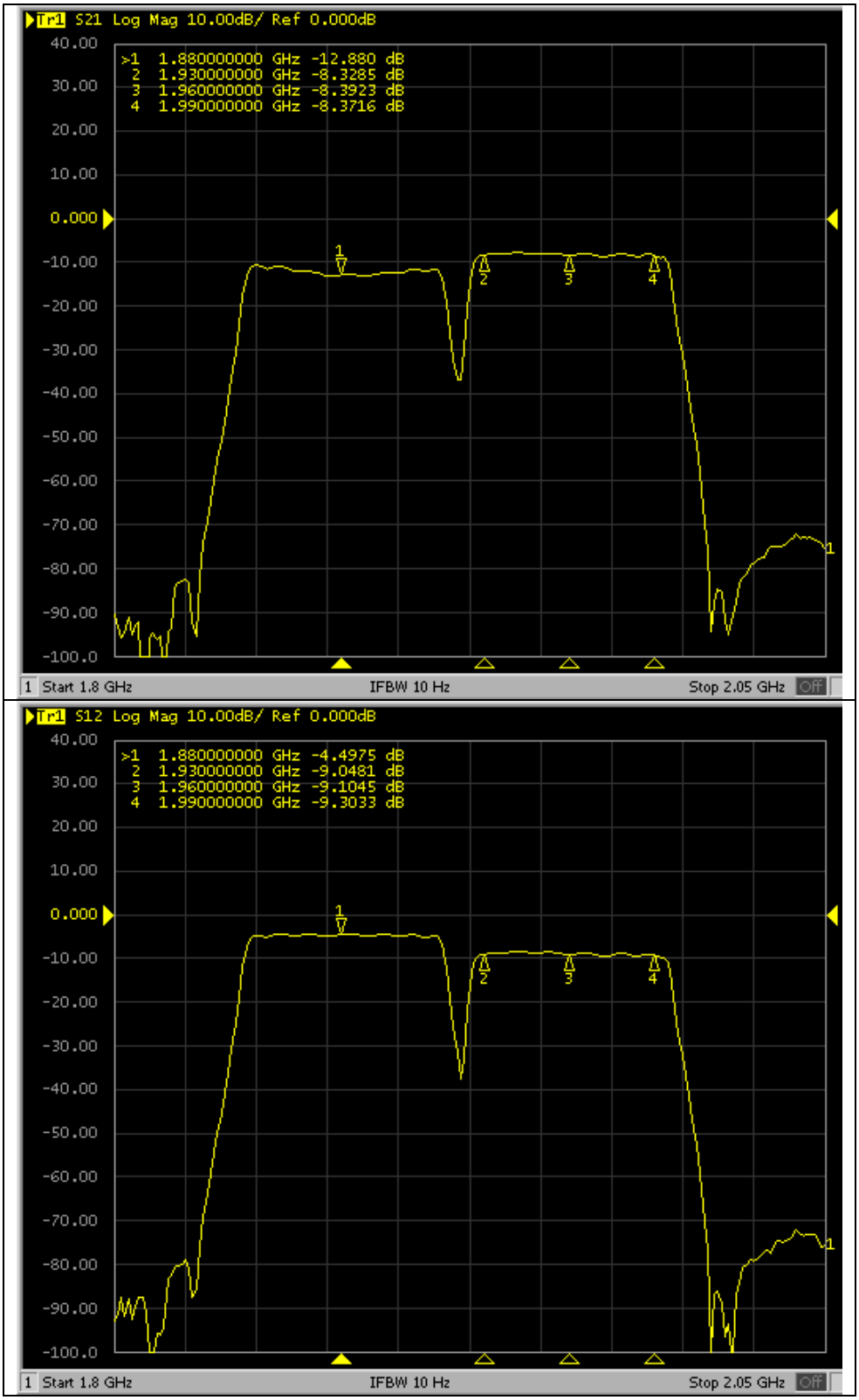


Table 108: Test Setup 7, 8, 9 - BSS to DUT Characterization (s21 and s12)

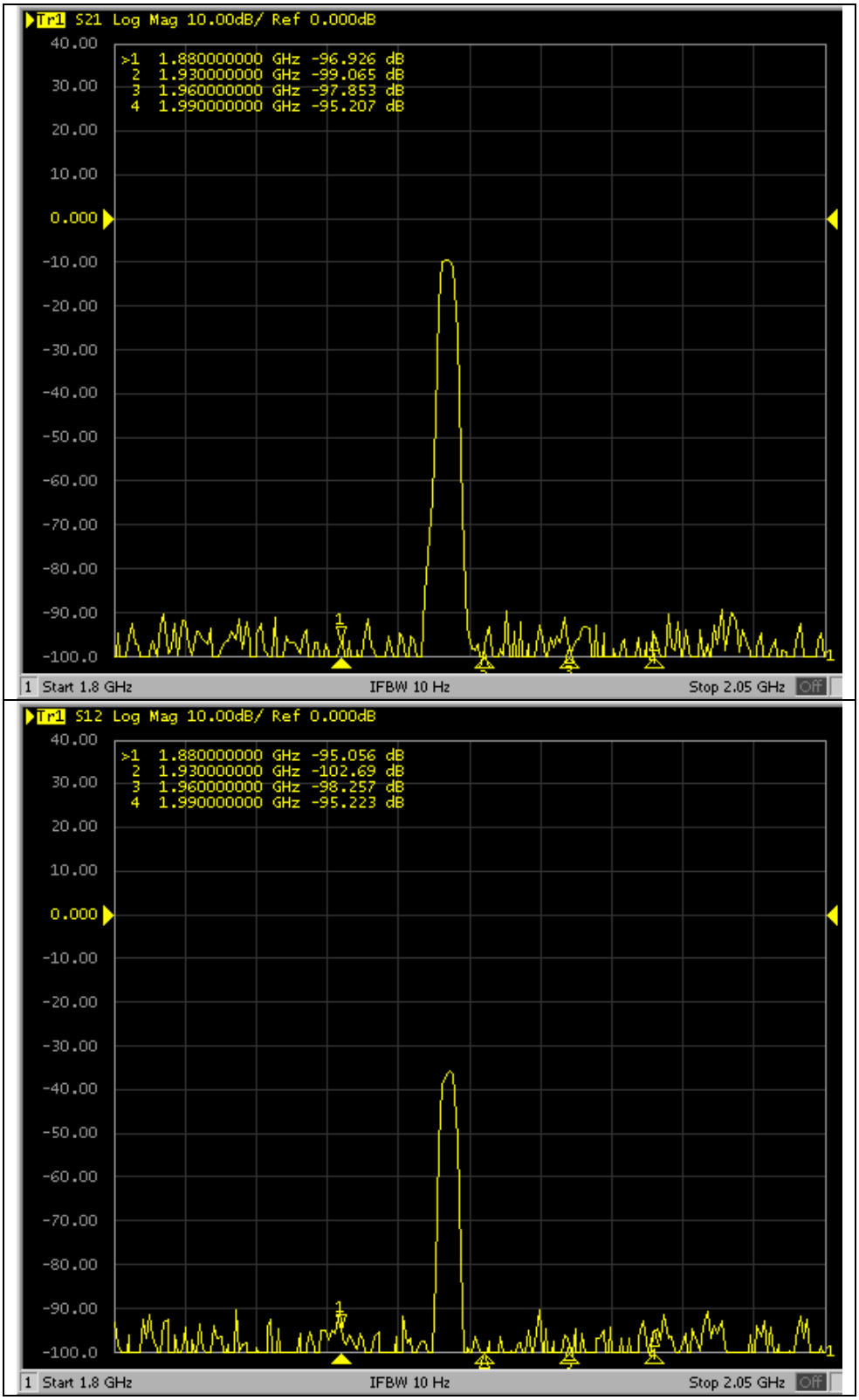


Table 109: Test Setup 7 - INT to DUT Characterization (s21 and s12)

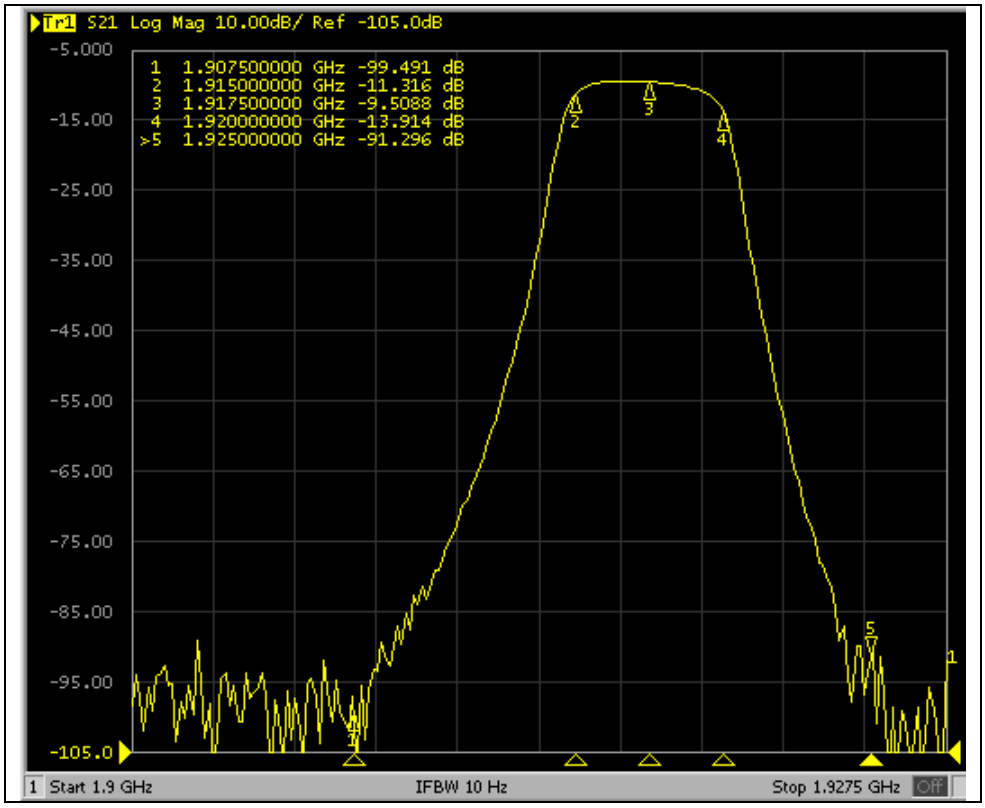


Table 110: Test Setup 7 - INT to DUT Characterization (s21)
(detail)

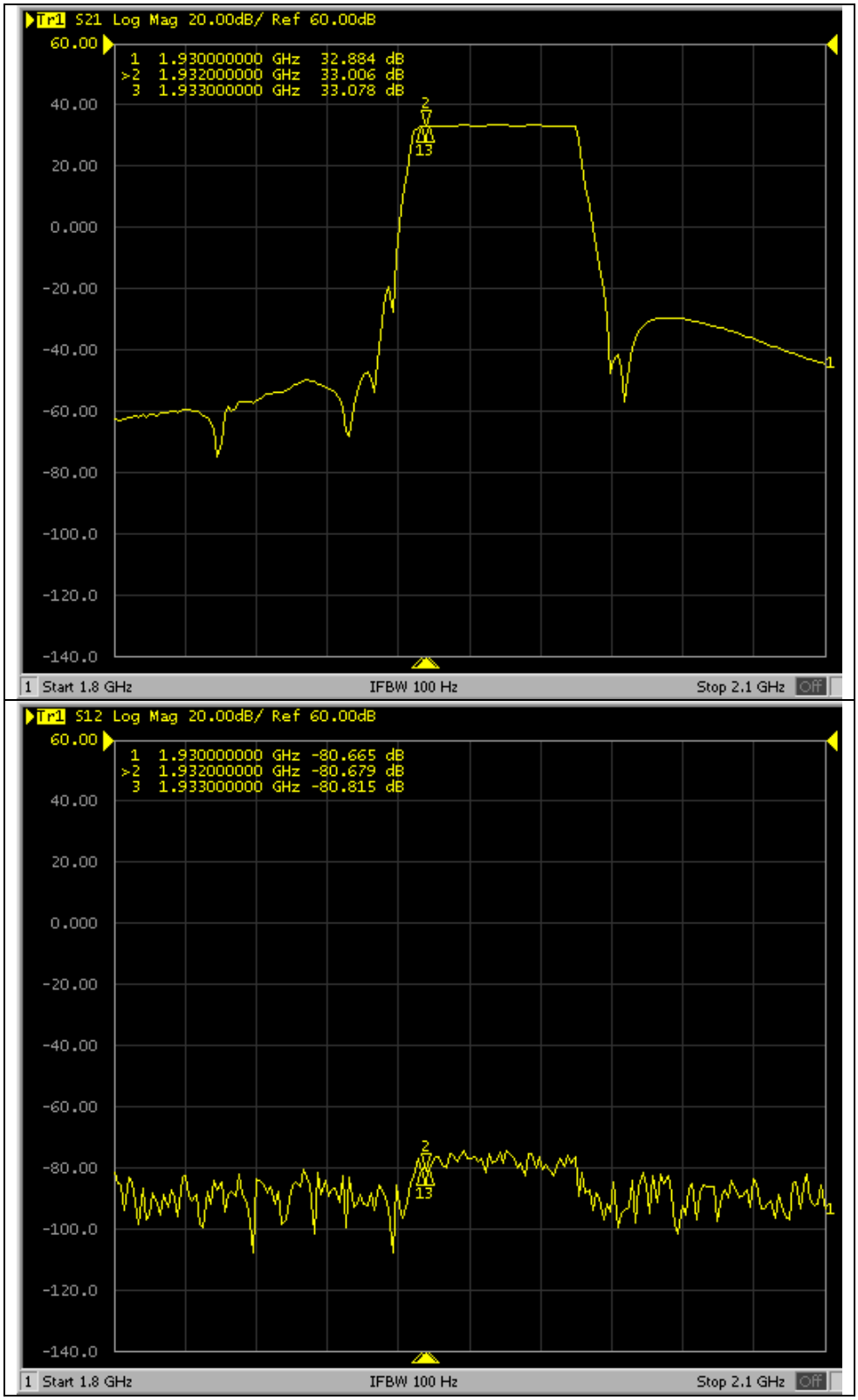
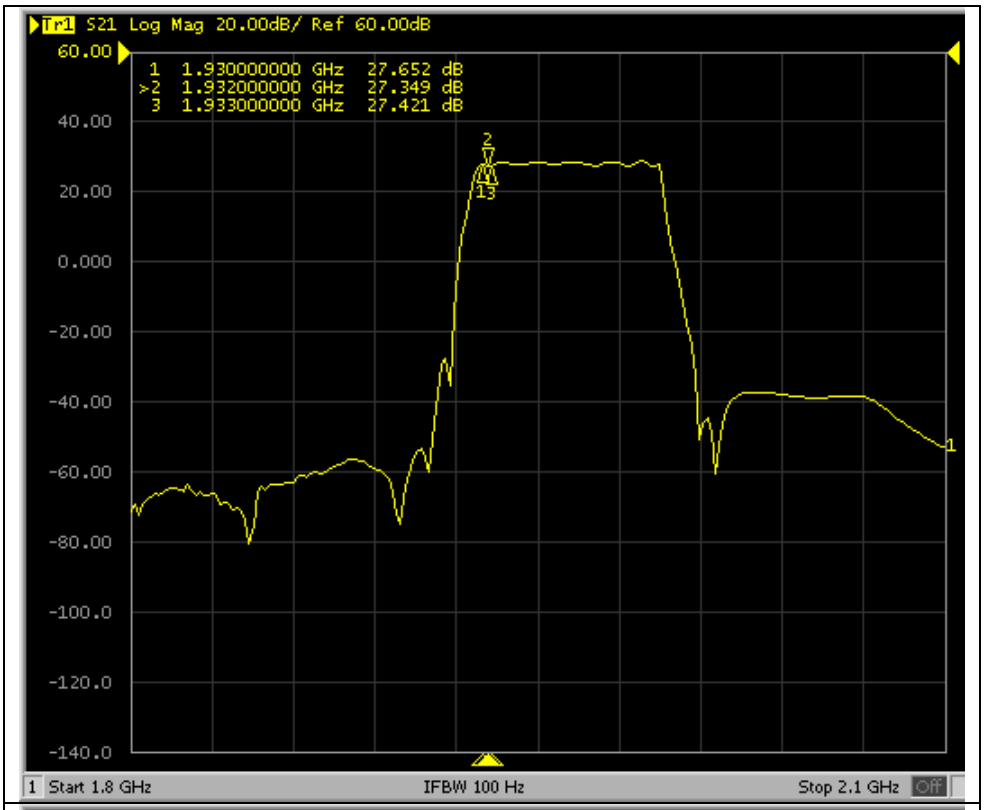


Table 111: Test Setup 10 - DUT to SA Characterization (s21 and s12)



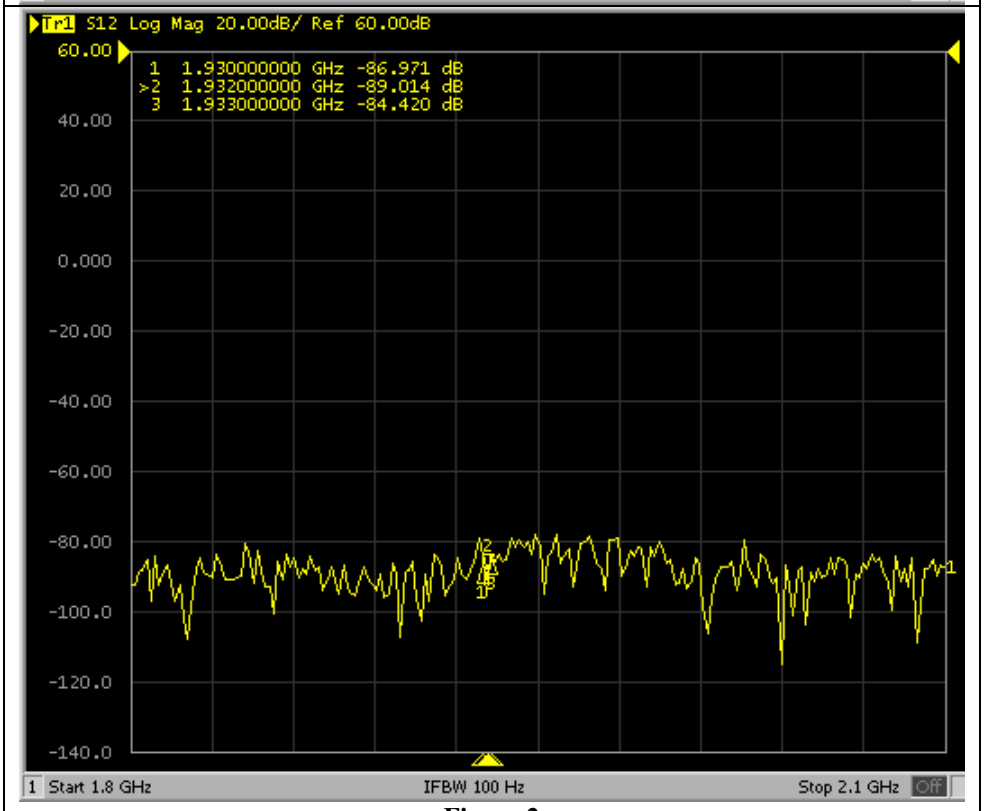


Figure 2

Table 112: Test Setup 10 - BSS to SA Characterization (s21 and s12)