TABLE OF CONTENTS

GENERAL INFORMATION **4**
PRODUCT DESCRIPTION FOR EQUIPMENT UNDER TEST (EUT) 4
MECHANICAL DESCRIPTION 4
OBJECTIVE 5
RELATED SUBMITTAL(S)/GRANT(S) 5
TEST METHODOLOGY 5
MEASUREMENT UNCERTAINTY 5
TEST FACILITY 6
SYSTEM TEST CONFIGURATION **7**
JUSTIFICATION 7
BLOCK DIAGRAM 7
EQUIPMENT MODIFICATIONS 7
LOCAL SUPPORT EQUIPMENT LIST AND DETAILS 7
INTERFACE PORTS AND CABLING 7
SUMMARY OF TEST RESULTS **8**
§2.1047 - MODULATION CHARACTERISTICS **9**
APPLICABLE STANDARD 9
§15.207 (A) – AC LINE CONDUCTED EMISSIONS **10**
TEST SETUP 10
CONFIGURATION OF TEST SYSTEM 10
TEST SETUP BLOCK DIAGRAM 10
TEST PROCEDURE 11
TEST EQUIPMENT LIST AND DETAILS 11
SUMMARY OF TEST RESULTS 11
CONDUCTED EMISSIONS TEST PLOTS AND DATA: 12
CONDUCTED EMISSIONS TEST PLOTS AND DATA: 13
§2.1053 - SPURIOUS RADIATED EMISSIONS **14**
APPLICABLE STANDARD 14
TEST PROCEDURE 14
TEST EQUIPMENT LIST AND DETAILS 15
TEST SETUP DIAGRAM 15
ENVIRONMENTAL CONDITIONS 15
TEST RESULTS 16
SUMMARY OF TEST RESULTS 17
§2.1046, §22.913(A) – RF OUTPUT POWER **18**
APPLICABLE STANDARD 18
TEST PROCEDURE 18
TEST EQUIPMENT LIST AND DETAILS 18
TEST SETUP DIAGRAM 18
ENVIRONMENTAL CONDITIONS 19
TEST RESULTS 19
PLOTS OF CONDUCTED OUTPUT POWER FOR PART 22 20
PLOT 1: LOW CHANNEL 20
PLOT 2: MIDDLE CHANNEL 20
PLOT 3: HIGH CHANNEL 21
§2.1049, §22.917, §22.905 - OCCUPIED BANDWIDTH **22**
APPLICABLE STANDARDS 22
TEST PROCEDURE 22
TEST EQUIPMENT LIST AND DETAILS 22
ENVIRONMENTAL CONDITIONS 22
TEST RESULTS 22
PLOT 1: LOW CHANNEL 23

PLOT 2: MID CHANNEL 24
PLOT 3: HIGH CHANNEL 24

§2.1051, §2.1057, §22.917 - SPURIOUS EMISSIONS AT ANTENNA TERMINALS 25

APPLICABLE STANDARDS 25
TEST PROCEDURE 26
TEST EQUIPMENT LIST AND DETAILS 26
TEST SETUP DIAGRAM 26
ENVIRONMENTAL CONDITIONS 27
TEST RESULTS 27
PLOTS OF SPURIOUS EMISSION FOR PART22 27
MIDDLE CHANNEL: 27

§2.1055 (A), §2.1055 (D), §22.355 - FREQUENCY STABILITY 29

APPLICABLE STANDARD 29
TEST PROCEDURE 30
TEST EQUIPMENT LIST AND DETAILS 31
ENVIRONMENTAL CONDITIONS 31
TEST RESULTS 31

§22.917 – BAND EDGE 32

APPLICABLE STANDARD 32
TEST PROCEDURE 32
TEST EQUIPMENT LIST AND DETAILS 32
ENVIRONMENTAL CONDITIONS 32
TEST RESULTS 32

EXHIBIT A - FCC ID LABELING AND WARNING STATEMENT 34

FCC § 2.925 IDENTIFICATION OF EQUIPMENT 34
ID LABEL REQUIREMENTS AS PER FCC § 15.19 34
PROPOSED LABEL LOCATION ON EUT 34

EXHIBIT B - TEST SETUP PHOTOGRAPHS 35

RADIATED EMISSIONS – FRONT VIEW 35
RADIATED EMISSIONS – REAR VIEW 35

EXHIBIT C - EUT PHOTOGRAPHS 36

EUT – FRONT VIEW (USB EXTENDED) 36
EUT – FRONT VIEW (USB HIDDEN) 36
EUT – BACK VIEW (USB EXTENDED) 37
EUT – BACK VIEW 2 (USB HIDDEN) 37
EUT – SIDE VIEW/ PORT VIEW 38
EUT – BACK VIEW (SIM COVER REMOVED) 38
EUT – BACK VIEW (COVER REMOVED, COMPONENT DETAIL) 39
PCB – FRONT VIEW (COMPONENT DETAIL) 39
PCB – BACK VIEW (SOLDER SIDE VIEW) 40

EXHIBIT D - BLOCKDIAGRAM 41

EXHIBIT E - SCHEMATICS 42

EXHIBIT F - USERS MANUAL 43