

TEST REPORT

Report Number: 15496224-E21V3

Applicant : APPLE, INC
1 APPLE PARK WAY
CUPERTINO, CA 95014, U.S.A.

Model : A3256

Brand : APPLE

FCC ID : BCG-E8949A

IC : 579C-E8949A

EUT Description : SMARTPHONE

Test Standard(s) : FCC 47 CFR PART 2, PART 22H, PART 24E, PART 27,
and PART 25
ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-132 ISSUE 4,
RSS-133 ISSUE 7, RSS-139 ISSUE 4

Date Of Issue:

2025-07-25

Prepared by:

UL Verification Services Inc.
47173 Benicia Street
Fremont, CA 94538, U.S.A.
TEL: (510) 319-4000
FAX: (510) 661-0888



Revision History

Rev.	Issue Date	Revisions	Revised By
V1	2025-06-25	Initial Review	--
V2	2025-07-08	Address TCB Feedback Section File name, Test Standard and Test Methodology	Tewodros Woldemichael
V3	2025-07-25	Updated Section 2 for SCS Requirement	Mengistu Mekuria

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA 95014, U.S.A.	
Model	A3256	
Brand	APPLE	
FCC ID	BCG-E8949A	
IC	579C-E8949A	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: N4QD07QXJ9, CP2H9NGP6C CONDUCTED: C07HG80000L0000WGT, C07HG80000T0000WGT	
Sample Receipt Date	2024-11-25	
Date Tested	2024-11-25 to 2025-07-09	
Applicable Standards	FCC 47 CFR PART 2, PART 22H, PART 24E, PART 27, PART 25 ISED RSS-GEN ISSUE 5 + A1 + A2, RSS-132 ISSUE 4, RSS-133 ISSUE 7, RSS-139 ISSUE 4	
Test Results	COMPLIES	
UL Verification Services Inc. tested the above equipment in accordance with the requirements set forth in the above standards. The test results show that the equipment tested is capable of demonstrating compliance with the requirements as documented in this report. The results documented in this report apply only to the tested sample, under the conditions and modes of operation as described herein. It is the manufacturer's responsibility to assure that additional production units of this model are manufactured with identical electrical and mechanical components. All samples tested were in good operating condition throughout the entire test program. Measurement Uncertainties are published for informational purposes only and were not taken into account unless noted otherwise. This document may not be altered or revised in any way unless done so by UL Verification Services Inc and all revisions are duly noted in the revisions section. Any alteration of this document not carried out by UL Verification Services Inc will constitute fraud and shall nullify the document.		
Approved & Released By:	Reviewed By:	Prepared By:
		
Kiya Kedida Lead Project Engineer UL Verification Services Inc.	Eric Ting Senior Test Engineer UL Verification Services Inc	Carlos D. Caudana Laboratory Engineer UL Verification Services Inc

2. SUMMARY OF TEST RESULTS

This report contains data provided by the customer which can impact the validity of results. UL Verification Services Inc. is only responsible for correctly integrating customer-provided data with measurements performed by UL Verification Services Inc.

Below is a list of the data provided by the customer:

1. Antenna gain and type (see section 6.4.)

Requirement Description	Requirement Clause Number (FCC)	Requirement Clause Number (ISED)	Result	Remarks
RF Conducted Output Power	2.1046	-	Complies	
Effective Radiated Power	22.913 (a)(5)	RSS132§5.4	Complies	
Equivalent Isotropic Radiated power	24.232 (c), 27.50 (d) (4)	RSS133§5.5 & SRSP-510, 5.1.2 RSS139§5.5	Complies	
Occupied Bandwidth	2.1049	RSS132 RSS133 RSS139 RSS-GEN§6.7	Complies	
Band Edge and Emission Mask	2.1051, 22.917 (a), 24.238 (a), 27.53 (h)	RSS132§5.5 RSS133§5.6 RSS139§5.6	Complies	
Out of Band Emissions	2.1051, 22.917 (a), 24.238 (a), 27.53 (h)	RSS132§5.5 RSS133§5.6 RSS139§5.6	Complies	
Frequency Stability	2.1055, 22.355, 24.235, 27.54	RSS132§5.3 RSS133§5.4 RSS139§5.4	Complies	
Peak-to-Average Ratio	22.913 (d), 24.232 (d), 27.50 (d) (5)	RSS132§5.4 RSS133§5.5 RSS139§5.5	Complies	
Field Strength of Spurious Radiation	2.1053, 22.917 (a), 24.238 (a), 27.53 (h)	RSS132§5.5 RSS133§5.6 RSS139§5.6	Complies	

SUPPLEMENTAL COVERAGE FROM SPACE (SCS)

Under section § 25.109 (f) of the FCC rules Space and SCS earth stations providing SCS are subject to technical rules in parts 2, 22, 24, and 27 of this chapter based on the operating frequency band. Section § 25.204 (g) specifies that earth stations providing SCS pursuant to §§ 25.125 and 25.115 shall comply with the power requirements and out-of-band emission limits corresponding to devices operating in parts 22, 24, or 27 of this chapter (e.g., §§ 22.913, 24.232, 27.50), as required for their operating frequencies. We have clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.

The table below identifies the SCS frequencies available for use and, for each band, the applicable FCC Part 22, 24, 27, and 90R technical requirements, the air interfaces supported by the device for SCS use.

The bands available for SCS and the bands supported by the devices in the scope of this report are:

Band	Frequency		Part 22/24/27/90 Rule parts	3GPP Band	Supported	Applicable to This Report
	DL (MHz)	UL (MHz)				
600 MHz:	614-652	663-698	27.5 (c) 27.50 (c) 27.53 (g)	71/n71	Yes	No
700 MHz:	729 – 746	699 – 716	27.5 (c) 27.50 (c) 27.53 (g)	12/n12 17	Yes	No
	746 – 756	777 – 787	27.5 (b) 27.50 (b) 27.53 (f)	13/n13	Yes	No
	758-769	788-799	90R ^{Note 1}	14 / n14	Yes	No
	805-806 MHz				No	
800 MHz:	869-894	824-849	22H	WCDMA 5 5/n5 26/N26	Yes	Yes
Broadband PCS:	1930-1995	1850-1915	24E 24E	WCDMA 2 2/n2 25/n25	Yes	Yes
Note 1: Clarified through KDB inquiry that the technical requirements from Part 90R should be applied for SCS operations in the 700 MHz Public Safety Band.						

3. TEST METHODOLOGY

The tests documented in this report were performed in accordance with the following.

FCC published lists of [measurement procedures](#) for compliance testing.

ISED published lists of [normative test standards and acceptable alternatives procedures](#).

- ANSI C63.26:2015
- ANSI/TIA-603-E (2016)
- FCC 47 CFR Part 2, Part 22H, Part 24E, Part 27, and Part 25.
- [FCC KDB 971168 D01](#): Power Meas License Digital Systems (ISED acceptable alternative procedure)
- [FCC KDB 971168 D02](#): Misc Rev Approv License Devices
- [FCC KDB 412172 D01](#): Determining ERP and EIRP
- [FCC KDB 273109 D02](#): Part 25 SCS and CMRS-Bands
- ISED RSS-Gen Issue 5 + A1 + A2, RSS-132 Issue 4, RSS-133 Issue 7, RSS-139 Issue 4

4. FACILITIES AND ACCREDITATION

UL Verification Services Inc. is accredited by A2LA, certification #0751.05, for all testing performed within the scope of this report. Testing was performed at the locations noted below.

	Address	ISED CABID	ISED Company Number	FCC Registration
☐	Building 1: 47173 Benicia Street, Fremont, CA 94538, USA	US0104	2324A	550739
☐	Building 2: 47266 Benicia Street, Fremont, CA 94538, USA			
☒	Building 3: 843 Auburn Court, Fremont, CA 94538, USA			
☒	Building 4: 47658 Kato Rd, Fremont, CA 94538, USA			
☒	Building 5: 47670 Kato Rd, Fremont, CA 94538, USA			

5. DECISION RULES AND MEASUREMENT UNCERTAINTY

5.1. METROLOGICAL TRACEABILITY

All test and measuring equipment utilized to perform the tests documented in this report are calibrated on a regular basis, with a maximum time between calibrations of one year or the manufacturers' recommendation, whichever is less, and where applicable is traceable to recognized national standards.

5.2. DECISION RULES

The Decision Rule is based on Simple Acceptance in accordance with ISO Guide 98-4:2012 Clause 8.2. (Measurement uncertainty is not taken into account when stating conformity with a specified requirement.)

5.3. MEASUREMENT UNCERTAINTY

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the apparatus:

PARAMETER	U _{Lab}
Conducted Antenna Port Emission Measurement	1.940 dB
Power Spectral Density	2.466 dB
RF Power Measurement Direct Method Using Power Meter	0.450 dB Ave. 1.300 dB Peak
Radio Frequency (Spectrum Analyzer)	141.16 Hz
Occupied Bandwidth	1.22%
Worst Case Conducted Disturbance, 9KHz to 0.15 MHz	3.78 dB
Worst Case Conducted Disturbance, 0.15 to 30 MHz	3.40 dB
Worst Case Radiated Disturbance, 9KHz to 30 MHz	2.87 dB
Worst Case Radiated Disturbance, 30 to 1000 MHz	6.01 dB
Worst Case Radiated Disturbance, 1000 to 18000 MHz	4.73 dB
Worst Case Radiated Disturbance, 18000 to 26000 MHz	4.51 dB
Worst Case Radiated Disturbance, 26000 to 40000 MHz	5.29 dB

Uncertainty figures are valid to a confidence level of 95%.

5.4. SAMPLE CALCULATION

RADIATED EMISSIONS

Where relevant, the following sample calculation is provided:

Field Strength (dBuV/m) = Measured Voltage (dBuV) + Antenna Factor (dB/m) + Cable Loss (dB) – Preamp Gain (dB)

36.5 dBuV + 18.7 dB/m + 0.6 dB – 26.9 dB = 28.9 dBuV/m

6. EQUIPMENT UNDER TEST

6.1. DESCRIPTION OF EUT

The Apple iPhone is a smartphone with cellular GSM, GPRS, EGPRS, WCDMA, LTE, 5G NR1, 5G NR2, IEEE 802.11a/b/g/n/ac/ax/be, Bluetooth (BT), Ultra-Wideband (UWB), Global Positioning System (GPS), Near-Field Communication (NFC), Narrow-Band (NB) UNII, 802.15.4, 802.15.4ab-Narrow Band (NB), Wireless Power Transfer (WPT) and Mobile Satellite Service (MSS) technologies. The rechargeable battery is not user accessible. This device is not user-serviceable and requires special tools to disassemble.

6.2. MAXIMUM OUTPUT POWER

EIRP/ERP TEST PROCEDURE

ANSI C63.26:2015
KDB 971168 D01 Section 5.6

$$\text{ERP/EIRP} = P_{\text{Meas}} + G_T - L_C$$

where: ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as P_{Meas} , typically dBW or dBm);

P_{Meas} = measured transmitter output power or PSD, in dBm or dBW;

G_T = gain of the transmitting antenna, in dBd (ERP) or dBi (EIRP);

L_C = signal attenuation in the connecting cable between the transmitter and antenna, in dB.

For devices utilizing multiple antennas, KDB 662911 provides guidance for determining the effective array transmit antenna gain term to be used in the above equation.

The EUT has different power levels for head use configuration and body use configuration. The below tables contain the highest of all configurations average conducted and peak EIRP/ERP output powers as follows:

GSM MODES

Part 22 / RSS 132 (ANT3)									
Frequency range (MHz)	Modulation	Conducted (Average) (dBm)	Antenna Gain (dBi)	FCC Limit (W)	ISED Limit (W)	ERP		99% BW (kHz)	Emission Designator
						(dBm)	(W)		
824.2-848.8	GPRS	33.50	-5.00	7.0	7.0	26.35	0.432	242.33	242KGXW
	EGPRS	28.00				20.85	0.122	246.57	247KG7W
Part 24 / RSS 133 (ANT3)									
Frequency range (MHz)	Modulation	Conducted (Average) (dBm)	Antenna Gain (dBi)	Limit (W)	EIRP		99% BW (kHz)	Emission Designator	
					(dBm)	(W)			
1850.2-1909.8	GPRS	32.00	-2.80	2.0	29.20	0.832	241.57	242KGXW	
	EGPRS	27.00			24.20	0.263	244.88	245KG7W	

WCDMA MODE

Part 22 / RSS 132 Band 5 (ANT3)										
Frequency range (MHz)	Modulation	Conducted (Average) (dBm)	Antenna Gain (dBi)	FCC Limit (W)	ISED Limit (W)	ERP		99% BW (MHz)	99% BW (kHz)	Emission Designator
						(dBm)	(W)			
826.4-846.6	REL 99	25.70	-5.00	7.0	7.0	18.55	0.072	4.140	4139.7	4M14F9W
	HSDPA	25.27				18.12	0.065	4.135	4135.2	4M14F9W
Part 24 / RSS 133 Band 2 (ANT4)										
Frequency range (MHz)	Modulation	Conducted (Average) (dBm)	Antenna Gain (dBi)	Limit (W)	EIRP		99% BW (MHz)	99% BW (kHz)	Emission Designator	
					(dBm)	(W)				
1852.4-1907.6	REL 99	24.70	-1.10	2.0	23.60	0.229	4.155	4155	4M16F9W	
	HSDPA	23.73			22.63	0.183	4.151	4150.7	4M15F9W	
Part 27 / RSS 139 Band 4 (ANT2)										
Frequency range (MHz)	Modulation	Conducted (Average) (dBm)	Antenna Gain (dBi)	Limit (W)	EIRP		99% BW (MHz)	99% BW (kHz)	Emission Designator	
					(dBm)	(W)				
1712.4-1752.6	REL 99	25.70	-1.40	1.0	24.30	0.269	4.159	4159	4M16F9W	
	HSDPA	24.73			23.33	0.215	4.160	4159.8	4M16F9W	

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 0.08.00.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

The IFA antenna(s) gain/ allowed output power, as provided by the manufacturer' are as follows:

Bands	Frequency Range (MHz)	Antenna	Gain (dBi)	Max Allowed Conducted Output Power (dBm)	ERP/EIRP (dBm)
GSM850	824 - 849	ANT3	-5.00	33.5	26.35
		ANT4			
		ANT2	-5.70	32.5	24.65
		ANT1			
GSM1900	1850 - 1910	ANT3	-2.80	32.0	29.20
		ANT4	-1.10	29.5	28.40
		ANT2	-3.50	31.0	27.50
		ANT1	-5.90	29.0	23.10
WCDMA 5	824 - 849	ANT3	-5.00	25.7	18.55
		ANT4			
		ANT2	-5.70	25.2	17.35
		ANT1			
WCDMA 2	1850 - 1910	ANT3	-2.80	25.7	22.90
		ANT4	-1.10	24.7	23.60
		ANT2	-3.50	25.7	22.20
		ANT1	-5.90	24.2	18.30
WCDMA 4	1710 - 1755	ANT3	-3.90	25.7	21.80
		ANT4	-1.90	24.7	22.80
		ANT2	-1.40	25.7	24.30
		ANT1	-5.70	24.2	18.50

6.5. WORST-CASE CONFIGURATION AND MODE

The EUT was investigated in three orthogonal orientations X/Y/Z on all available antennas to determine the worst-case orientation. The following table exhibits the worst-case orientation for different frequency bands. The full tests of the EUT have made upon the orientations shown in the table below.

Frequency Bands (MHz)	ANT3	ANT4	ANT2	ANT1
824 – 849	X	X	N/A	N/A
1710 – 1915	Y	X	Y	Y

Based on average conducted output power measurement investigations. The worst-case is Ant3 with the highest power. Therefore, Ant3 was used to perform all conducted tests.

The worst-case scenario for all measurements as followed:

- GSM GPRS
- GSM EGPRS
- WCDMA REL 99
- WCDMA HSDPA

Radiated spurious emissions were investigated from 9kHz to 30MHz, 30MHz-1GHz and above 1GHz. There were no emissions found with less than 20dB of margin from 9kHz to 1GHz and above 18GHz.

For simultaneous transmission of multiple channels in the 2.4GHz/5GHz WLAN, UWB, and Cellular bands, tests were conducted for various configurations having the highest power, least separation in frequencies, and widest operation bandwidths. No noticeable new emission was found.

6.6. DESCRIPTION OF TEST SETUP

Refer to Appendix A for description of test setup.

7. TEST AND MEASUREMENT EQUIPMENT

The following test and measurement equipment was utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset	Cal Due
Antenna, Horn 1-18GHz	ETS Lindgren	3117	223084	2025-06-19
RF Filter Box, 1-18GHz	UL-FR1	NA	231875	2025-06-19
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	170063	2025-06-19
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	230297	2025-06-19
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169933	2025-06-19
Antenna, Horn 1-18GHz	ETS Lindgren	3117	226673	2025-06-19
RF Filter Box, 1-18GHz, 12 Port.	UL-FR1	Frankenstein	231874	2025-06-19
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2025-06-19
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2025-06-19
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2025-06-19
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2025-06-19
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2025-06-19
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2025-06-19
Antenna, Passive Loop 30Hz - 1MHz	ELECTRO-METRICS	EM-6871	170013	2025-07-31
Antenna, Passive Loop 100KHz - 30MHz	ELECTRO-METRICS	EM-6872	170015	2025-07-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	171863	2026-11-30
Amplifier 9KHz - 1GHz	SONOMA INSTRUMENT	310N	224490	2026-05-06
Antenna, Horn 18 to 26.5GHz	A.R.A.	MWH-1826/B	172353	2025-08-31
Link File, RF Amplifier Assembly, 18-26.5GHz, 60dB Gain	AMPLICAL	AMP18G26.5-60	220194	2026-04-29
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262735	2026-03-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	231912	2026-04-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262734	2026-04-30
Wideband Communication Call Box	Rohde & Schwarz	CMW500	230298	2026-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	85943	2026-02-28
Wideband Communication Call Box	Rohde & Schwarz	CMW500	262741	2027-02-11
Conducted Switch Box	N/A	CSB	221008	2026-04-30
Conducted Switch Box	N/A	CSB	262354	2026-04-30
Directional Coupler	KRYTAR	152610	254457	2025-10-31
Directional Coupler	KRYTAR	101040010K	254458	2025-10-30
Filter, BRF 3400-3800MHz, 18GHz max	Micro-Tronics	BRM50711	217364	2025-09-30
Filter, BRF 2305-2315	Micro-Tronics	BRC20553	224186	2026-06-29
Power Meter, P-series single channel	Keysight Technologies Inc	N1911A	90718	2026-03-31
Power Sensor, P - series, 50MHz to 18GHz, Wideband	Keysight Technologies Inc	N1921A	257704	2026-03-31
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	89097	10-31-25
UL AUTOMATION SOFTWARE				
Conducted Software	UL	CLT	Ver.2023 11.21.0 & .2024.3.20.0	
Conducted Software	UL	Power Measurement	Ver 2023.08.14	
Conducted Software	UL	Antenna Port	Ver.2022.8.16	
Conducted Software	UL	Station Tool	Ver. 5.0,	
Radiated Software	UL	UL EMC	Ver 9.5, May 1, 2023	

8. RF OUTPUT POWER VERIFICATION

CONDUCTED OUTPUT POWER MEASUREMENT PROCEDURE

All bands conducted average power is obtained from the base station simulator.

The following tests were conducted according to the test requirements outlined in ANSI C63.26 Section 5.2.

Result

The EUT has different power levels for head use configuration and body use configuration. All measurements are made with the device operating at the highest average conducted output powers.

8.1. GSM

8.1.1. GSM 850

Test Engineer ID:	28567	Test Date:	2025-03-12
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Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Conducted Average Power (dBm)	
					ANT 3	ANT 2
GPRS (GMSK)	CS1	1	128	824.2	32.82	32.15
			190	836.6	33.35	32.50
			251	848.8	33.50	32.14
		2	128	824.2	31.55	31.11
			190	836.6	32.13	31.50
			251	848.8	32.27	31.40
EGPRS (8PSK)	MCS5	1	128	824.2	27.78	26.89
			190	836.6	27.89	27.00
			251	848.8	28.00	26.76
		2	128	824.2	26.76	25.82
			190	836.6	26.55	26.00
			251	848.8	26.76	25.84

8.1.2. GSM 1900

Test Engineer ID:	39004	Test Date:	2025-03-11
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Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Conducted Average Power (dBm)			
					ANT 3	ANT 4	ANT 2	ANT 1
GPRS (GMSK)	CS1	1	512	1850.2	31.59	29.23	30.73	28.68
			661	1880	31.97	29.50	30.81	28.99
			810	1909.8	32.00	29.42	31.00	29.00
		2	512	1850.2	30.47	28.15	29.69	28.51
			661	1880	31.00	28.50	30.00	28.82
			810	1909.8	30.97	28.35	30.03	28.81
EGPRS (8PSK)	MCS5	1	512	1850.2	26.97	23.80	25.50	23.60
			661	1880	27.00	22.64	25.79	23.64
			810	1909.8	26.98	24.00	26.00	24.00
		2	512	1850.2	25.78	23.00	24.49	23.58
			661	1880	26.00	22.98	24.78	23.42
			810	1909.8	25.99	22.91	25.00	23.54

8.2. WCDMA

8.2.1. WCDMA BAND 5

Test Engineer ID:	39004	Test Date:	2025-02-24
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Band	Mode		UL Ch No.	Freq. (MHz)	MPR (dB)	Conducted Average Power (dBm)	
						ANT 3	ANT 2
W-CDMA Band 5 (850MHz)	Rel 99	RMC, 12.2 kbps	4132	826.4	N/A	25.67	25.20
			4183	836.6	N/A	25.66	25.13
			4233	846.6	N/A	25.70	25.15
	HSDPA	Subtest 1	4132	826.4	0	24.72	24.26
			4183	836.6	0	24.66	24.10
			4233	846.6	0	24.70	24.14
		Subtest 2	4132	826.4	0	24.72	24.24
			4183	836.6	0	24.67	24.13
			4233	846.6	0	24.70	24.15
		Subtest 3	4132	826.4	0.5	24.21	23.75
			4183	836.6	0.5	24.19	23.63
			4233	846.6	0.5	24.21	23.64
		Subtest 4	4132	826.4	0.5	24.19	23.76
			4183	836.6	0.5	24.15	23.60
			4233	846.6	0.5	24.18	23.63
	HSPA (HSDPA & HSUPA)	Subtest 1	4132	826.4	0	24.69	24.22
			4183	836.6	0	24.66	24.11
			4233	846.6	0	24.68	24.15
		Subtest 2	4132	826.4	2	22.71	22.22
			4183	836.6	2	22.70	22.11
			4233	846.6	2	22.71	22.16
		Subtest 3	4132	826.4	1	23.71	23.23
			4183	836.6	1	23.66	23.12
			4233	846.6	1	23.69	23.16
		Subtest 4	4132	826.4	2	22.69	22.24
			4183	836.6	2	22.66	22.14
			4233	846.6	2	22.69	22.19
		Subtest 5	4132	826.4	0	24.22	23.80
			4183	836.6	0	24.24	23.85
			4233	846.6	0	24.25	23.93
	DC-HSDPA	Subtest 1	4132	826.4	0	25.22	24.36
			4183	836.6	0	25.18	24.28
			4233	846.6	0	25.24	24.28
		Subtest 2	4132	826.4	0	25.19	24.36
			4183	836.6	0	25.21	24.27
			4233	846.6	0	25.27	24.28
		Subtest 3	4132	826.4	0.5	24.75	23.91
			4183	836.6	0.5	24.76	23.76
			4233	846.6	0.5	24.80	23.81
		Subtest 4	4132	826.4	0.5	24.73	23.89
			4183	836.6	0.5	24.74	23.74
			4233	846.6	0.5	24.75	23.81

8.2.2. WCDMA BAND 2

Test Engineer ID:	39004	Test Date:	2025-02-24
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Band	Mode		UL Ch No.	Freq. (MHz)	MPR (dB)	Conducted Average Power (dBm)			
						ANT 3	ANT 4	ANT 2	ANT 1
W-CDMA Band 2 (1900MHz)	Rel 99	RMC, 12.2 kbps	9262	1852.4	N/A	25.70	24.70	25.70	24.20
			9400	1880.0	N/A	25.57	24.57	25.59	24.12
			9538	1907.6	N/A	25.61	24.59	25.58	24.10
	HSDPA	Subtest 1	9262	1852.4	0	24.68	23.73	24.69	23.23
			9400	1880.0	0	24.57	23.56	24.58	23.08
			9538	1907.6	0	24.57	23.57	24.57	23.08
		Subtest 2	9262	1852.4	0	24.74	23.71	24.72	23.21
			9400	1880.0	0	24.57	23.55	24.59	23.07
			9538	1907.6	0	24.60	23.55	24.55	23.08
		Subtest 3	9262	1852.4	0.5	24.21	23.16	24.21	22.70
			9400	1880.0	0.5	24.10	23.06	24.05	22.57
			9538	1907.6	0.5	24.12	23.05	24.05	22.59
		Subtest 4	9262	1852.4	0.5	24.18	23.18	24.17	22.73
			9400	1880.0	0.5	24.06	23.06	24.08	22.60
			9538	1907.6	0.5	24.12	23.03	24.08	22.59
	HSPA (HSDPA & HSUPA)	Subtest 1	9262	1852.4	0	24.71	23.65	24.67	23.20
			9400	1880.0	0	24.55	23.53	24.57	23.08
			9538	1907.6	0	24.60	23.53	24.57	23.05
		Subtest 2	9262	1852.4	2	22.66	21.65	22.67	21.18
			9400	1880.0	2	22.52	21.55	22.55	21.05
			9538	1907.6	2	22.58	21.51	22.58	21.07
		Subtest 3	9262	1852.4	1	23.67	22.67	23.67	22.21
			9400	1880.0	1	23.51	22.55	23.53	22.05
			9538	1907.6	1	23.56	22.51	23.55	22.05
		Subtest 4	9262	1852.4	2	22.67	21.67	22.65	21.18
			9400	1880.0	2	22.57	21.53	22.53	21.04
			9538	1907.6	2	22.59	21.48	22.53	21.07
		Subtest 5	9262	1852.4	0	24.28	23.22	24.24	22.80
			9400	1880.0	0	24.16	23.09	24.13	22.64
			9538	1907.6	0	24.21	23.05	24.12	22.65
	DC-HSDPA	Subtest 1	9262	1852.4	0	24.53	23.70	24.27	23.22
			9400	1880.0	0	24.46	23.59	24.18	23.10
			9538	1907.6	0	24.53	23.57	24.20	23.12
		Subtest 2	9262	1852.4	0	24.59	23.67	24.25	23.23
			9400	1880.0	0	24.42	23.54	24.18	23.08
			9538	1907.6	0	24.50	23.54	24.17	23.08
		Subtest 3	9262	1852.4	0.5	24.05	23.21	23.82	22.74
			9400	1880.0	0.5	23.93	23.04	23.67	22.60
			9538	1907.6	0.5	24.00	23.06	23.66	22.59
		Subtest 4	9262	1852.4	0.5	24.05	23.17	23.83	22.70
			9400	1880.0	0.5	23.95	23.08	23.69	22.56
			9538	1907.6	0.5	24.01	23.07	23.69	22.59

8.2.3. WCDMA BAND 4

Test Engineer ID:	39004	Test Date:	2025-02-24
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Band	Mode		UL Ch No.	Freq. (MHz)	MPR (dB)	Conducted Average Power (dBm)			
						ANT 3	ANT 4	ANT 2	ANT 1
W-CDMA Band 4 (1700MHz)	Rel 99	RMC, 12.2 kbps	1312	1712.4	N/A	25.65	24.70	25.70	24.20
			1413	1732.6	N/A	25.65	24.64	25.65	24.16
			1513	1752.6	N/A	25.70	24.63	25.66	24.13
	HSDPA	Subtest 1	1312	1712.4	0	24.63	23.70	24.73	23.22
			1413	1732.6	0	24.66	23.63	24.64	23.18
			1513	1752.6	0	24.68	23.60	24.63	23.14
		Subtest 2	1312	1712.4	0	24.60	23.70	24.70	23.26
			1413	1732.6	0	24.64	23.62	24.64	23.16
			1513	1752.6	0	24.68	23.61	24.62	23.16
		Subtest 3	1312	1712.4	0.5	24.08	23.19	24.22	22.74
			1413	1732.6	0.5	24.16	23.14	24.14	22.64
			1513	1752.6	0.5	24.17	23.11	24.14	22.65
		Subtest 4	1312	1712.4	0.5	24.14	23.20	24.21	22.69
			1413	1732.6	0.5	24.17	23.12	24.13	22.62
			1513	1752.6	0.5	24.20	23.11	24.13	22.64
	HSPA (HSDPA & HSUPA)	Subtest 1	1312	1712.4	0	24.61	23.65	24.70	23.20
			1413	1732.6	0	24.61	23.57	24.63	23.14
			1513	1752.6	0	24.67	23.61	24.62	23.14
		Subtest 2	1312	1712.4	2	22.57	21.64	22.66	21.17
			1413	1732.6	2	22.60	21.55	22.62	21.14
			1513	1752.6	2	22.62	21.60	22.60	21.11
		Subtest 3	1312	1712.4	1	23.60	22.67	23.68	22.18
			1413	1732.6	1	23.58	22.60	23.63	22.11
			1513	1752.6	1	23.62	22.60	23.62	22.16
		Subtest 4	1312	1712.4	2	22.58	21.66	22.68	21.21
			1413	1732.6	2	22.59	21.61	22.59	21.14
			1513	1752.6	2	22.68	21.60	22.62	21.13
		Subtest 5	1312	1712.4	0	24.19	23.25	24.29	22.81
			1413	1732.6	0	24.20	23.19	24.18	22.71
			1513	1752.6	0	24.25	23.17	24.20	22.71
	DC-HSDPA	Subtest 1	1312	1712.4	0	24.47	23.68	24.41	23.23
			1413	1732.6	0	24.40	23.65	24.39	23.19
			1513	1752.6	0	24.42	23.62	24.35	23.21
		Subtest 2	1312	1712.4	0	24.45	23.72	24.44	23.27
			1413	1732.6	0	24.40	23.65	24.37	23.18
			1513	1752.6	0	24.42	23.61	24.35	23.20
		Subtest 3	1312	1712.4	0.5	24.00	23.20	23.88	22.73
			1413	1732.6	0.5	23.92	23.14	23.88	22.69
			1513	1752.6	0.5	23.92	23.10	23.86	22.70
		Subtest 4	1312	1712.4	0.5	23.99	23.19	23.96	22.75
			1413	1732.6	0.5	23.91	23.13	23.87	22.67
			1513	1752.6	0.5	23.89	23.10	23.85	22.69

9. CONDUCTED TEST RESULTS

9.1. OCCUPIED BANDWIDTH

RULE PART(S)

FCC: §2.1049
ISED: RSS132; RSS133; RSS139

LIMITS

For reporting purposes only.

TEST PROCEDURE

The transmitter output was connected to a calibrated coaxial cable and coupler, the other end of which was connected to a spectrum analyzer. The occupied bandwidth was measured with the spectrum analyzer at the middle channel in each band. The 99% and -26dB bandwidths was also measured and recorded.

RESULTS

There is no limit required, and power is the same for low, middle and high channel; therefore, only the middle channel was tested.

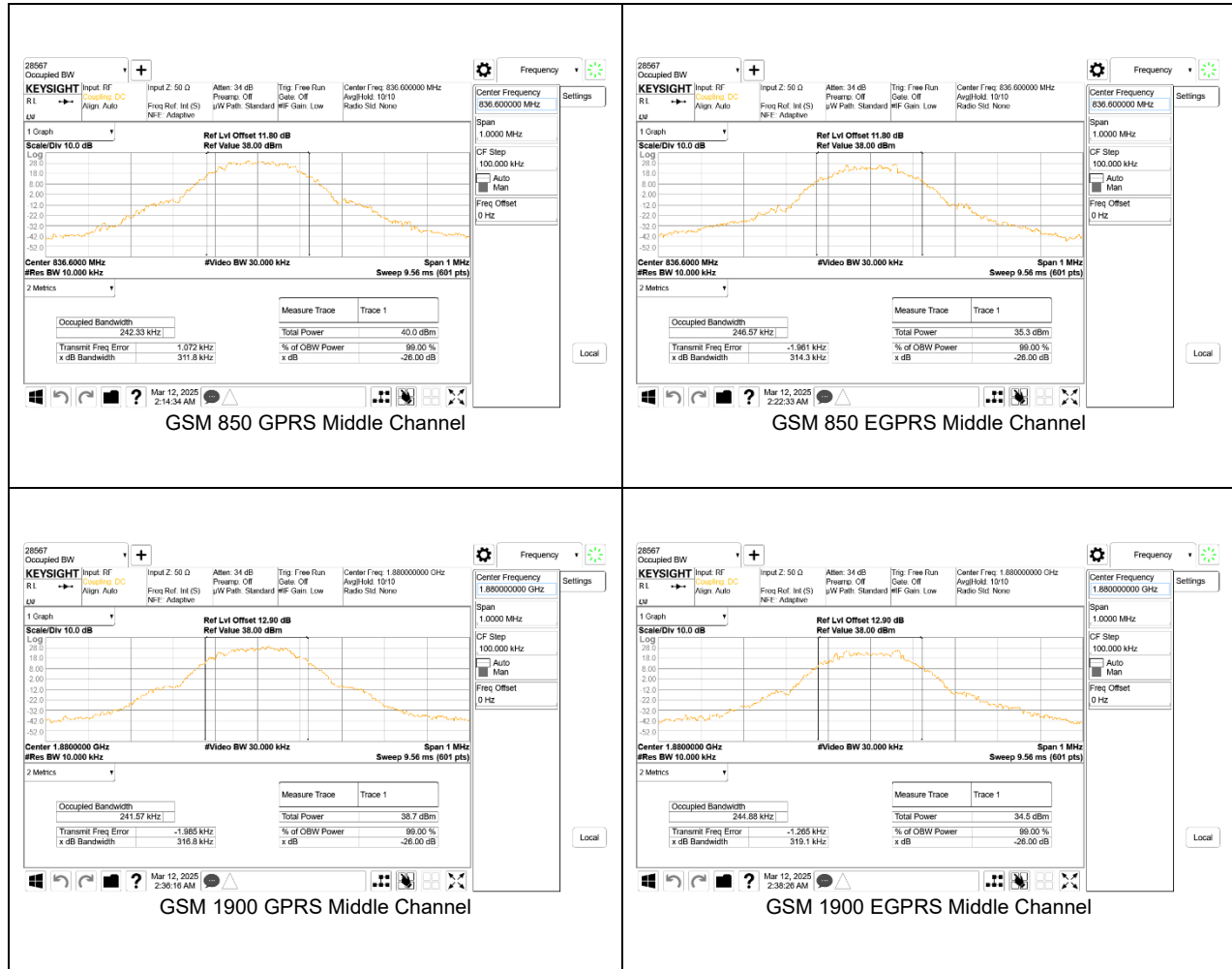
GSM

Band	Modulation	f(MHz)	99% BW (kHz)	-26dB BW (kHz)
850	GPRS	836.6	242.33	311.8
	EGPRS		246.57	314.3
1900	GPRS	1880.0	241.57	316.8
	EGPRS		244.88	319.1

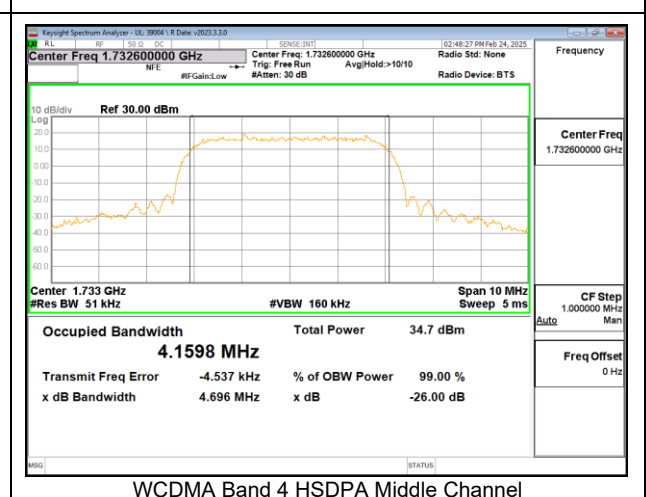
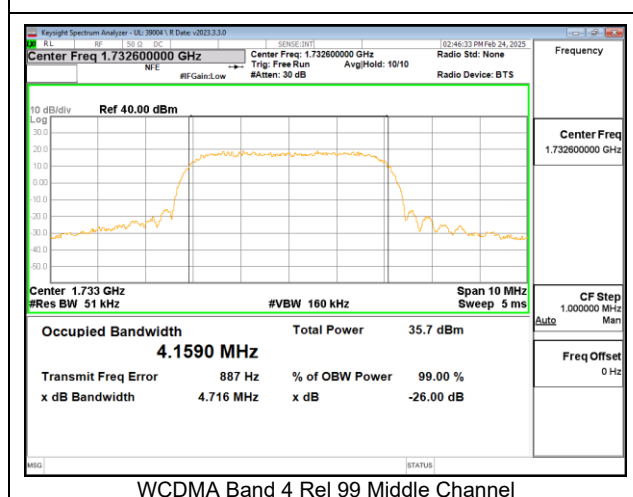
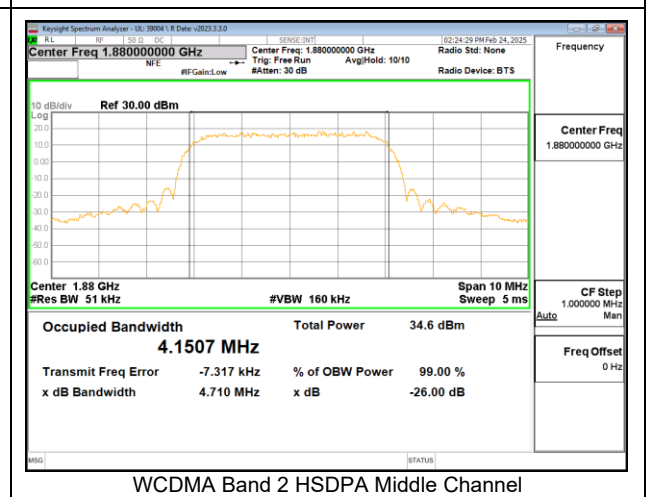
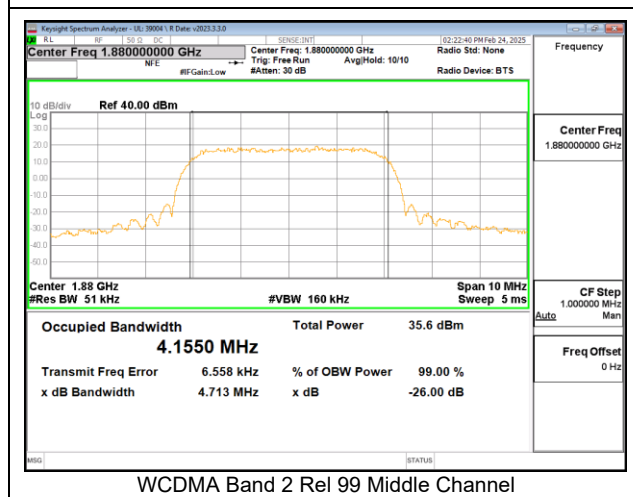
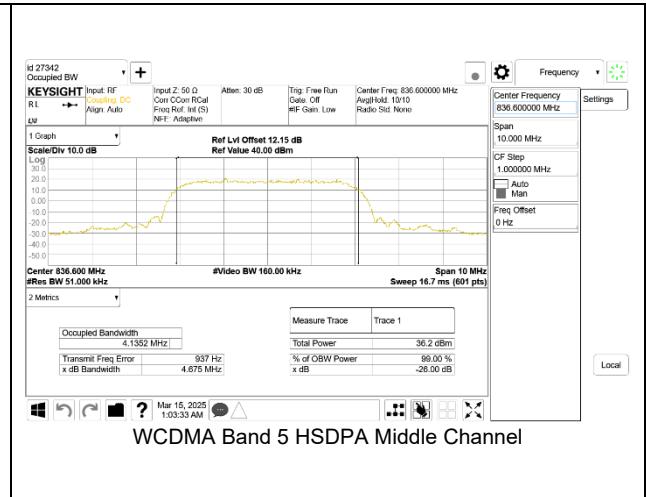
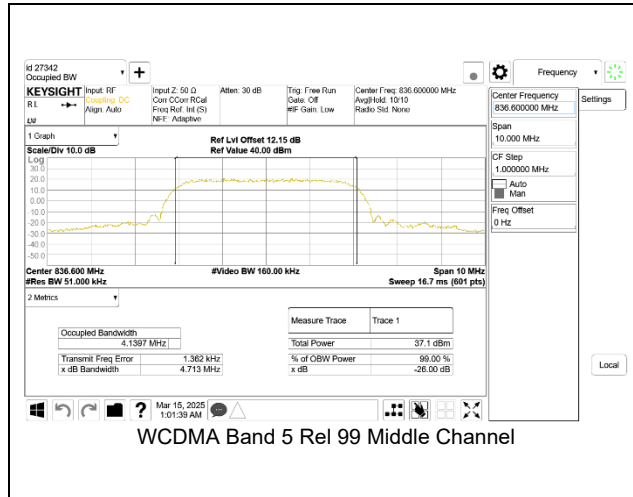
WCDMA

Band	Modulation	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
BAND 5	REL 99	836.6	4.1397	4.713
	HSDPA		4.1352	4.675
BAND 2	REL 99	1880.0	4.1550	4.713
	HSDPA		4.1507	4.710
BAND 4	REL 99	1732.6	4.1590	4.716
	HSDPA		4.1598	4.696

9.1.1. GSM



9.1.2. WCDMA



9.2. BAND EDGE AND EMISSION MASK

LIMITS

FCC: §22.917(a), §24.238, and §27.53 (h)

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

RSS132§5.5

Equipment shall meet the unwanted emission limits specified below:

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB.
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

p is the output power specified in watts.

RSS133§5.6

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table 3.

Table 3: Unwanted emission limits for all equipment	
Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm/(1% of OBW)
> 1	-13 dBm/MHz

RSS139§5.6

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

Table 6: Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group)	Unwanted emission limit
≤ 1 MHz	-13 dBm/(1% of B*)
> 1 MHz	-13 dBm/MHz

*B is the frequency block or frequency block group.

TEST PROCEDURE

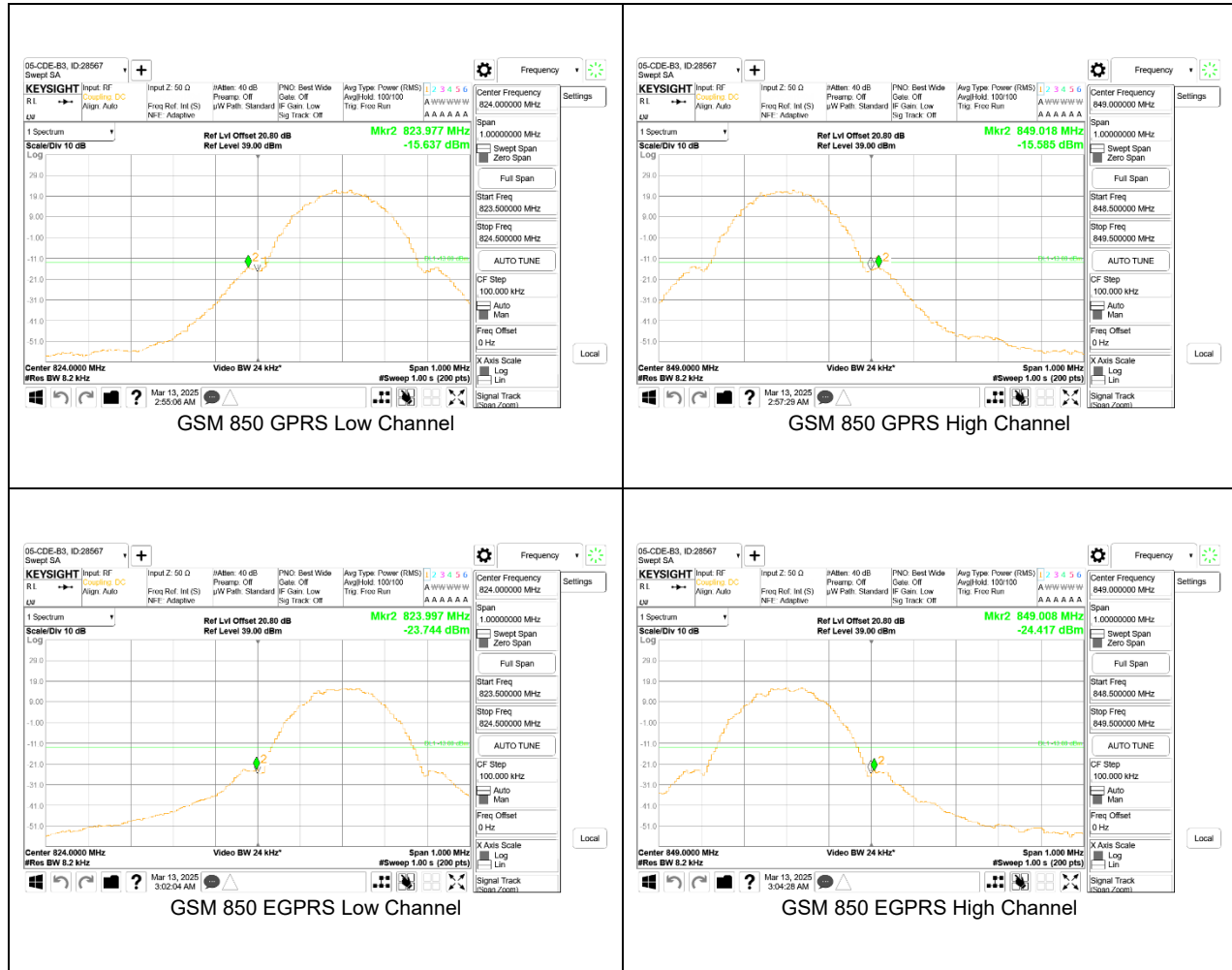
The transmitter output was connected to a base station simulator and configured to operate at maximum power. The band edge emissions were measured at the required operating frequencies in each band on the Spectrum Analyzer.

For each band edge measurement:

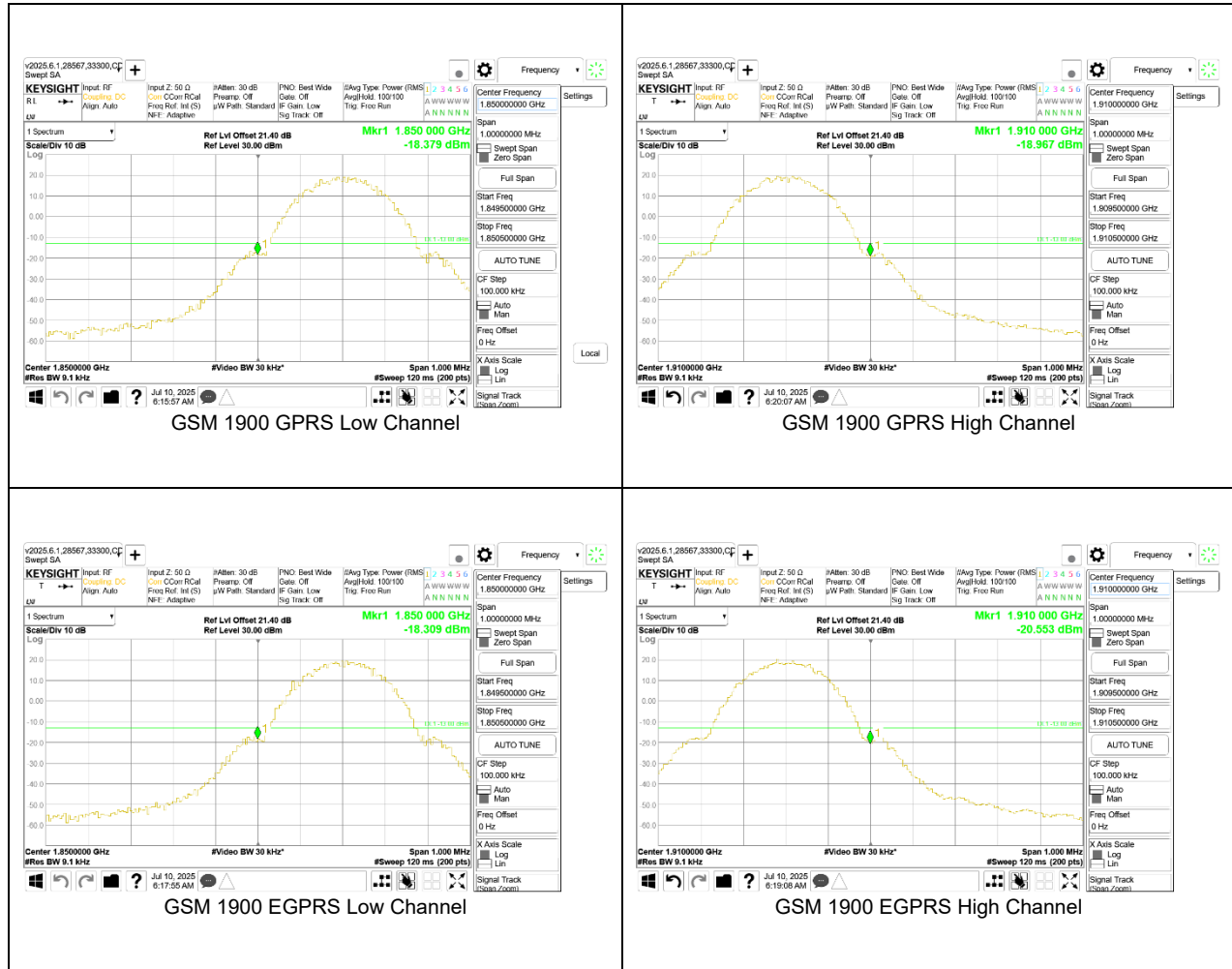
- Set the spectrum analyzer span to include the block edge frequency.
- Set a marker to point the corresponding band edge frequency in each test case.
- Set display line at -13 dBm
- Set resolution bandwidth to at least 1% of emission bandwidth.

RESULTS

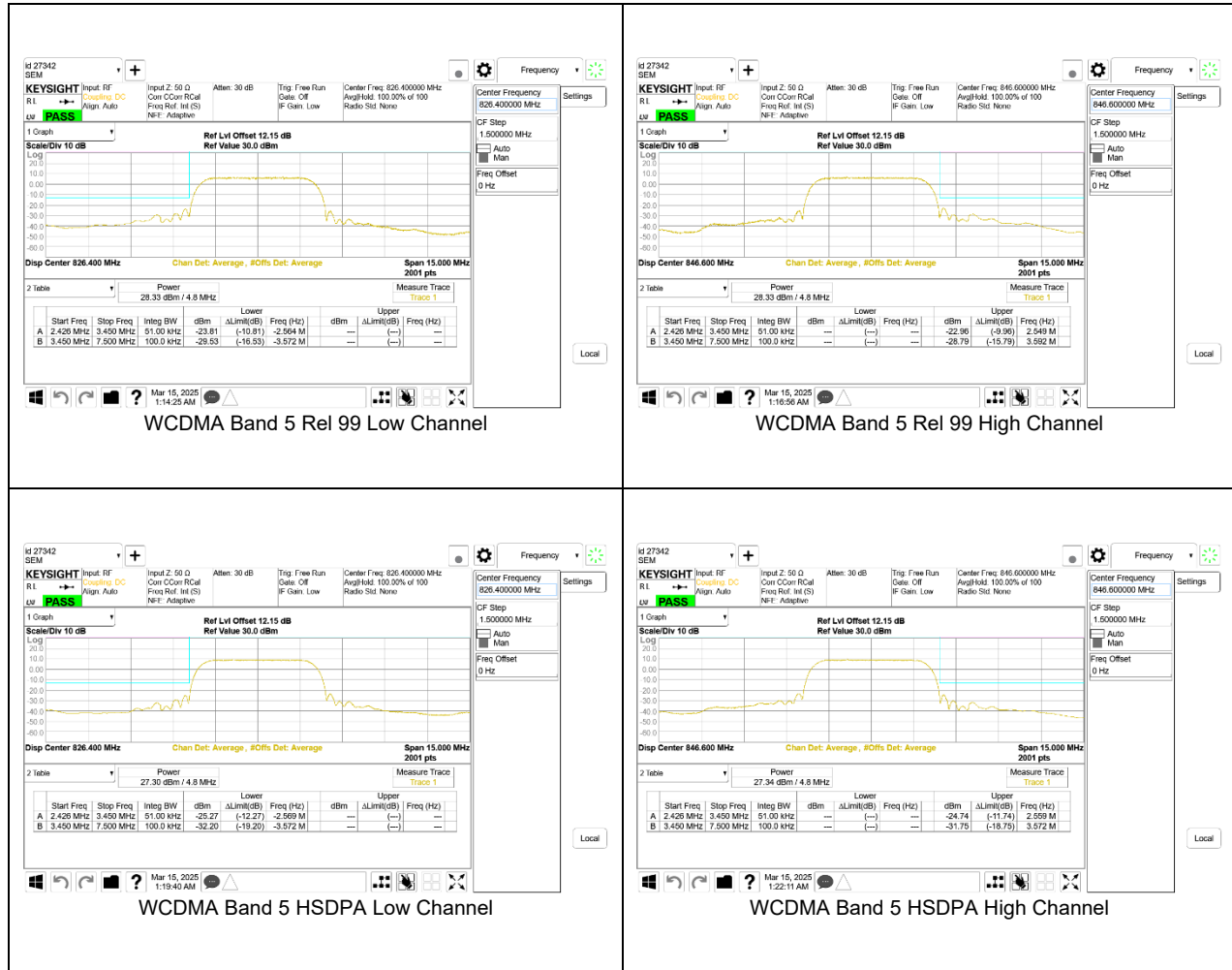
9.2.1. GSM 850



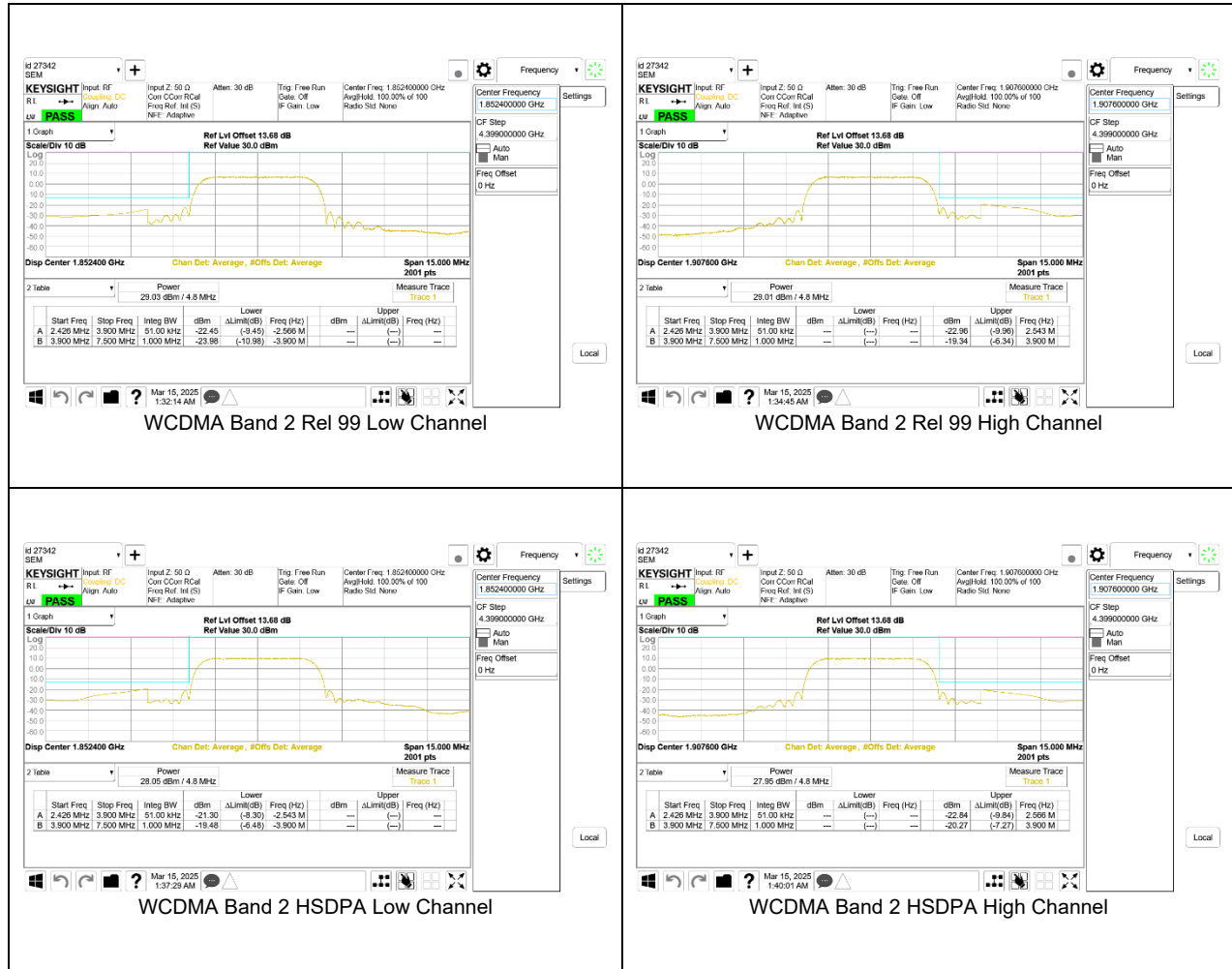
9.2.2. GSM 1900



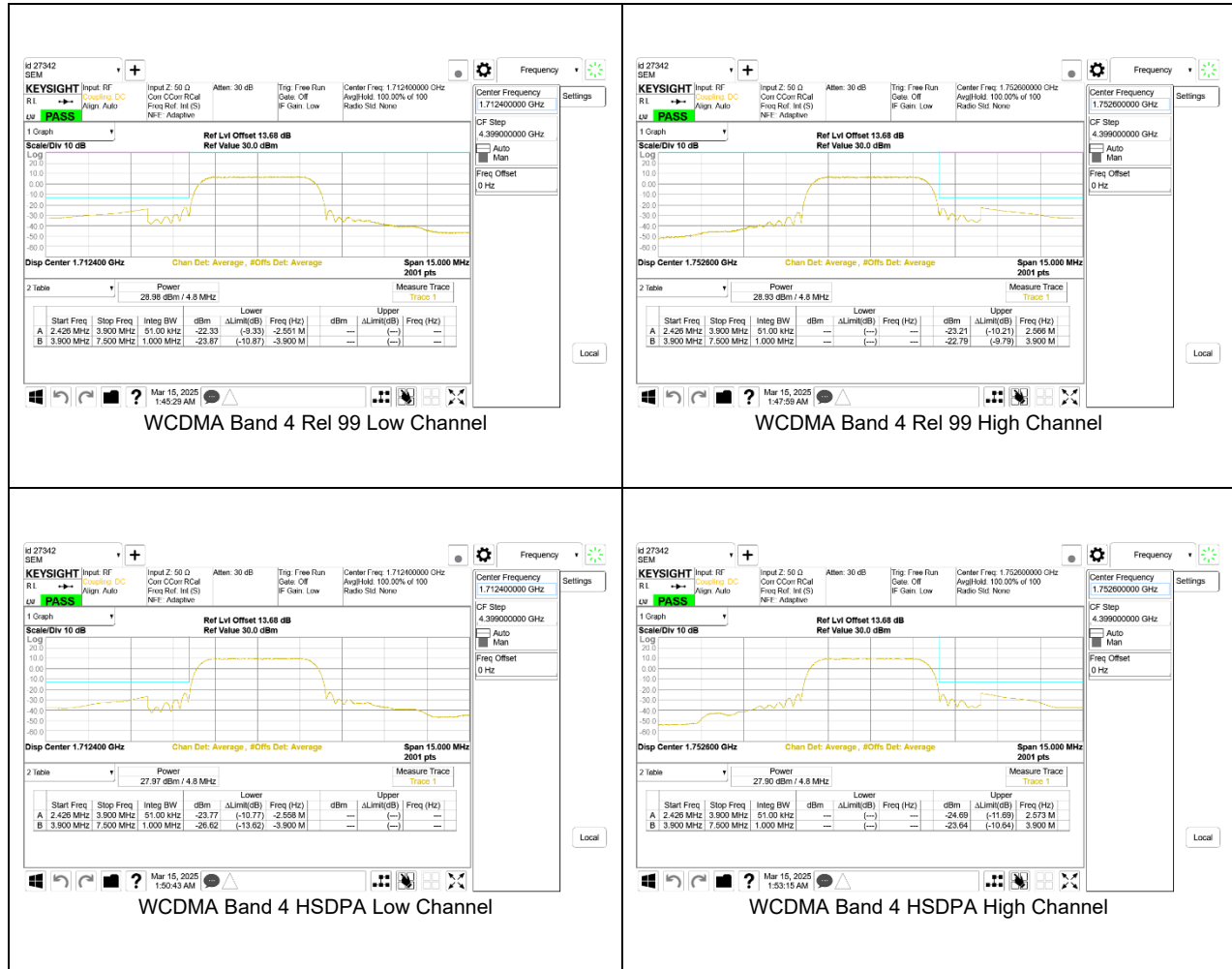
9.2.3. WCDMA BAND 5



9.2.4. WCDMA BAND 2



9.2.5. WCDMA BAND 4



9.3. OUT OF BAND EMISSIONS

RULE PART(S)

FCC: §2.1051, §22.917, §24.238, and §27.53
ISED: RSS132§5.5; RSS133§6.5 and RSS139§5.6

LIMITS

FCC: §22.917(a), §24.238, §27.53 (h)

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

RSS132§5.5, RSS133§5.6, RSS139§5.6

The minimum permissible attenuation level of any spurious emissions is $43 + 10 \log (P)$ dB where transmitting power (P) in Watts.

TEST PROCEDURE

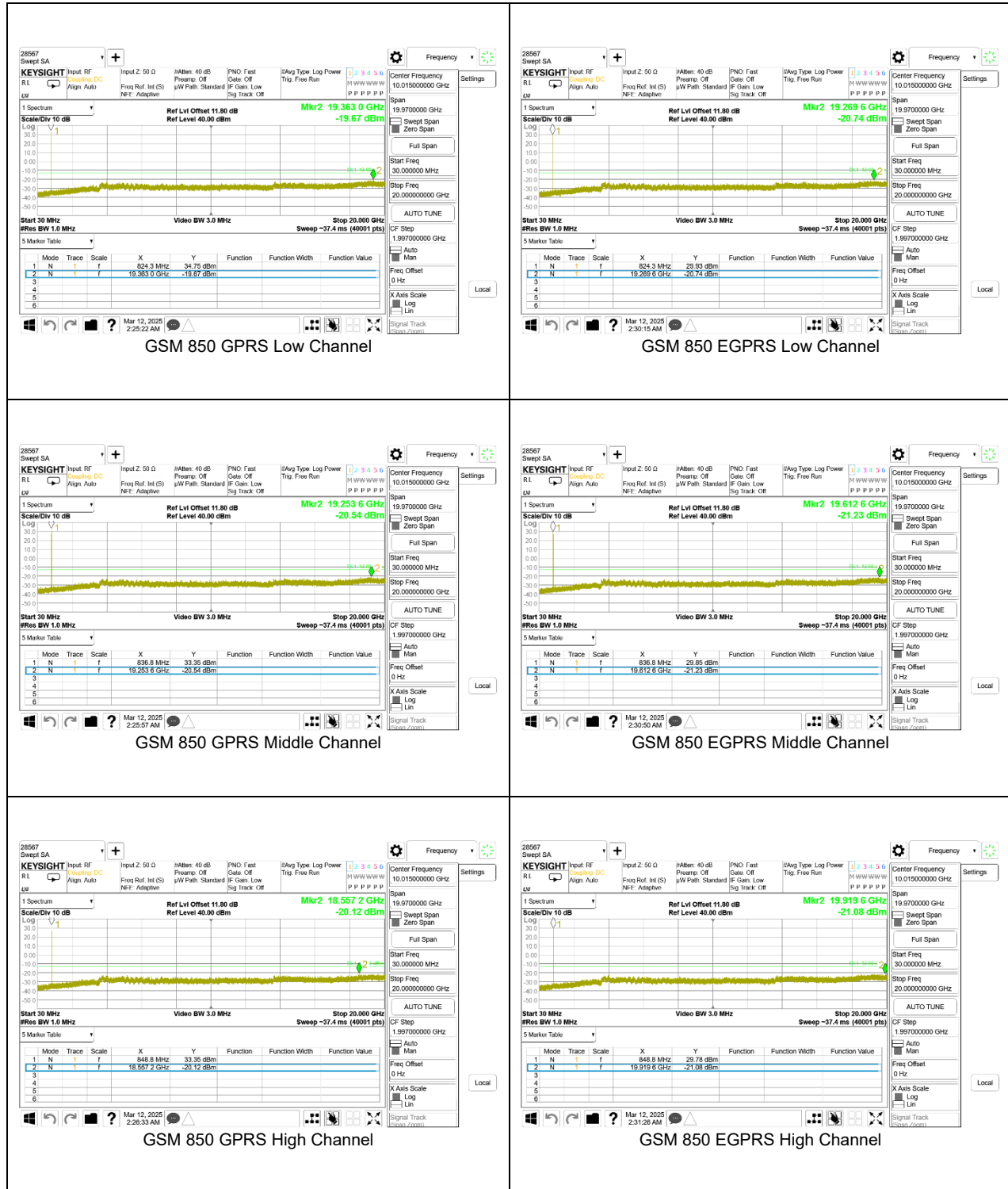
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case emissions were caught.

For each out of band emissions measurement:

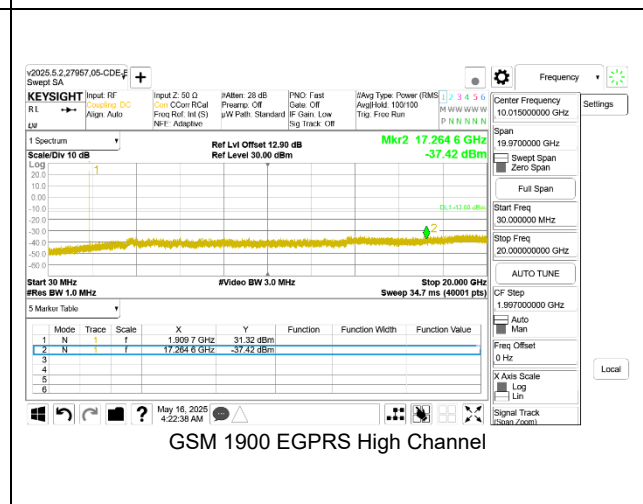
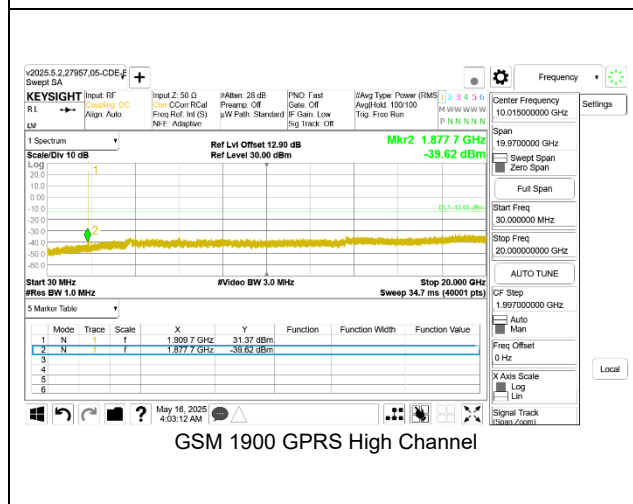
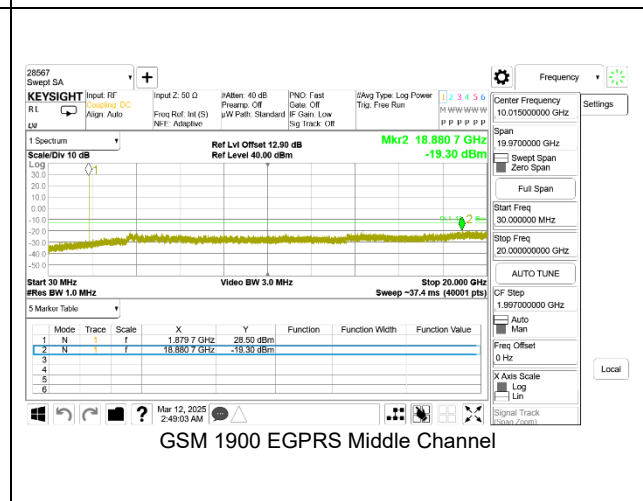
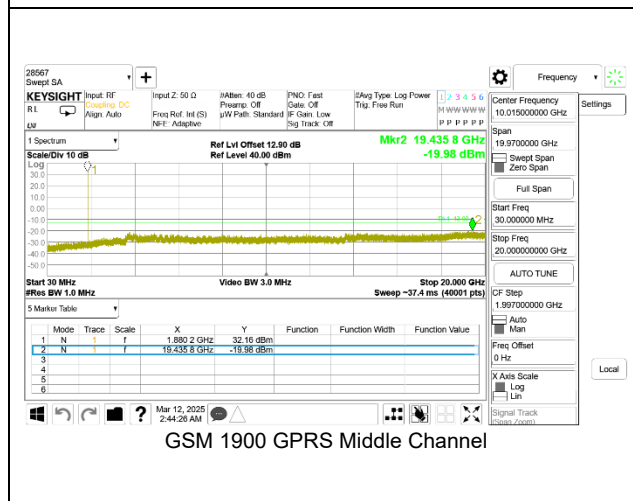
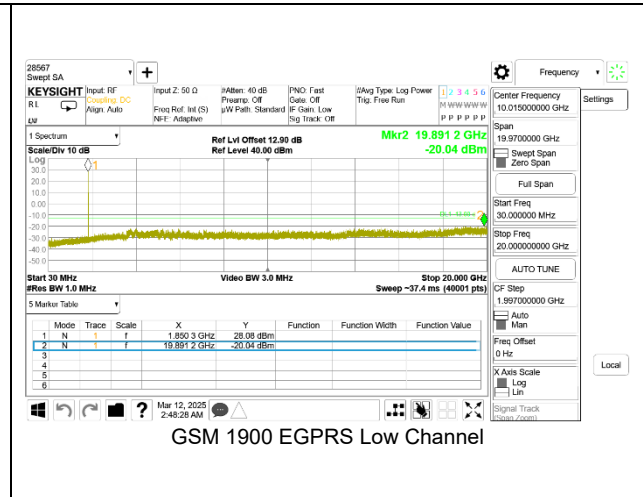
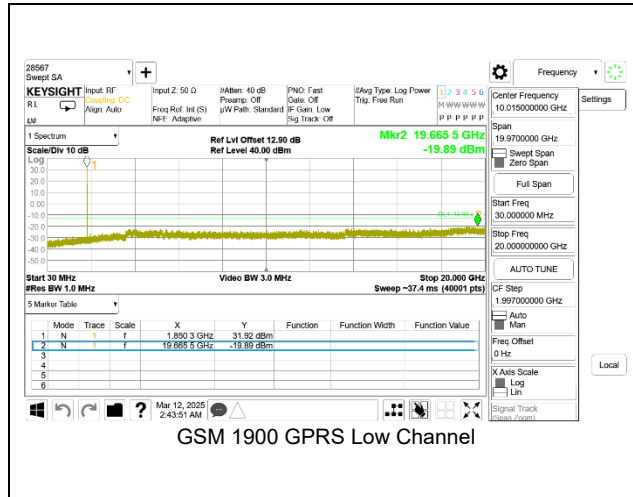
- Set display line at -13 dBm
- Set RBW & VBW to 100 kHz for the measurement below 1 GHz, and 1 MHz for the measurement above 1 GHz.
(NOTE: Worst case set RBW/VBW to 1MHz/3MHz)

RESULTS

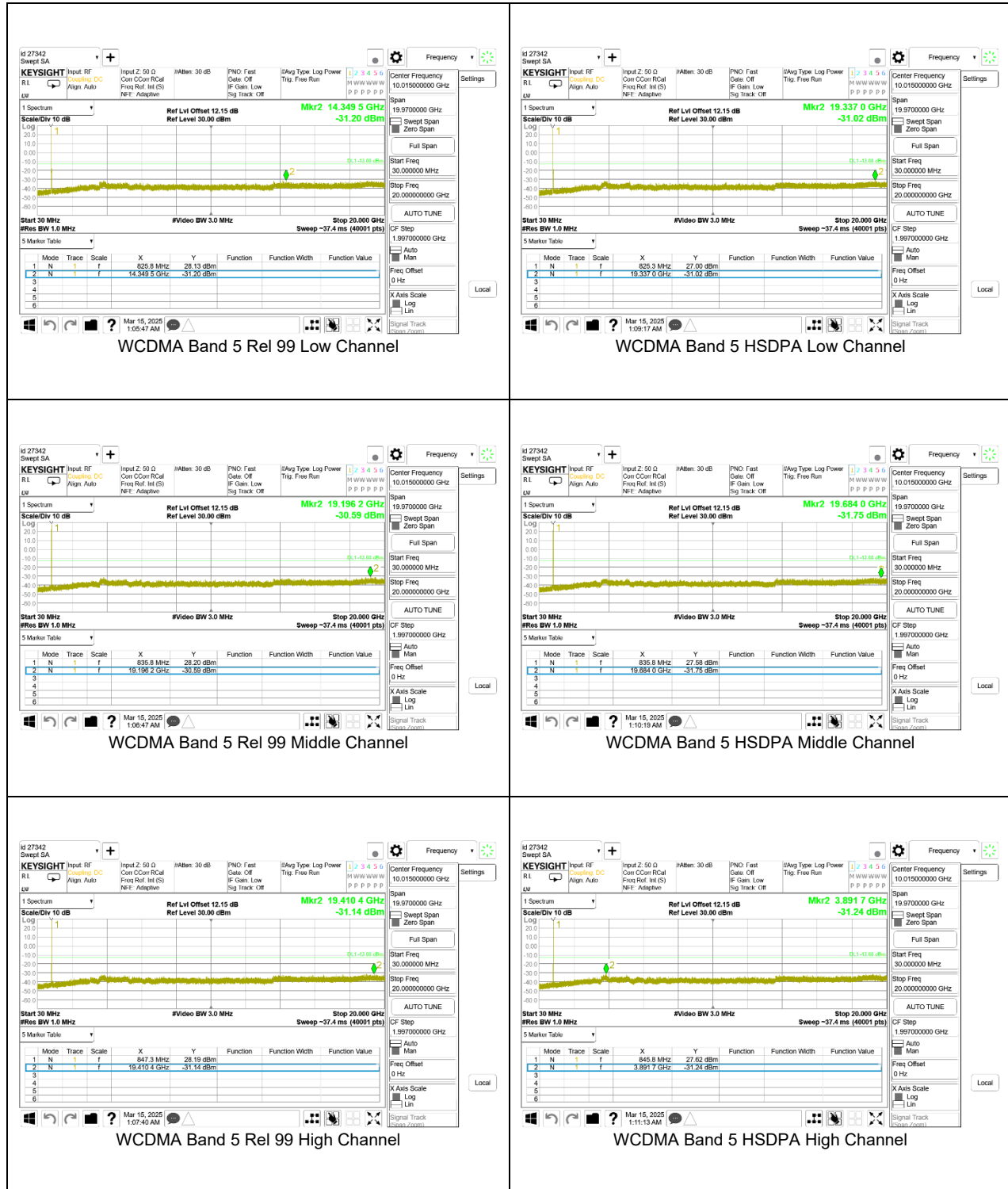
9.3.1. GSM 850



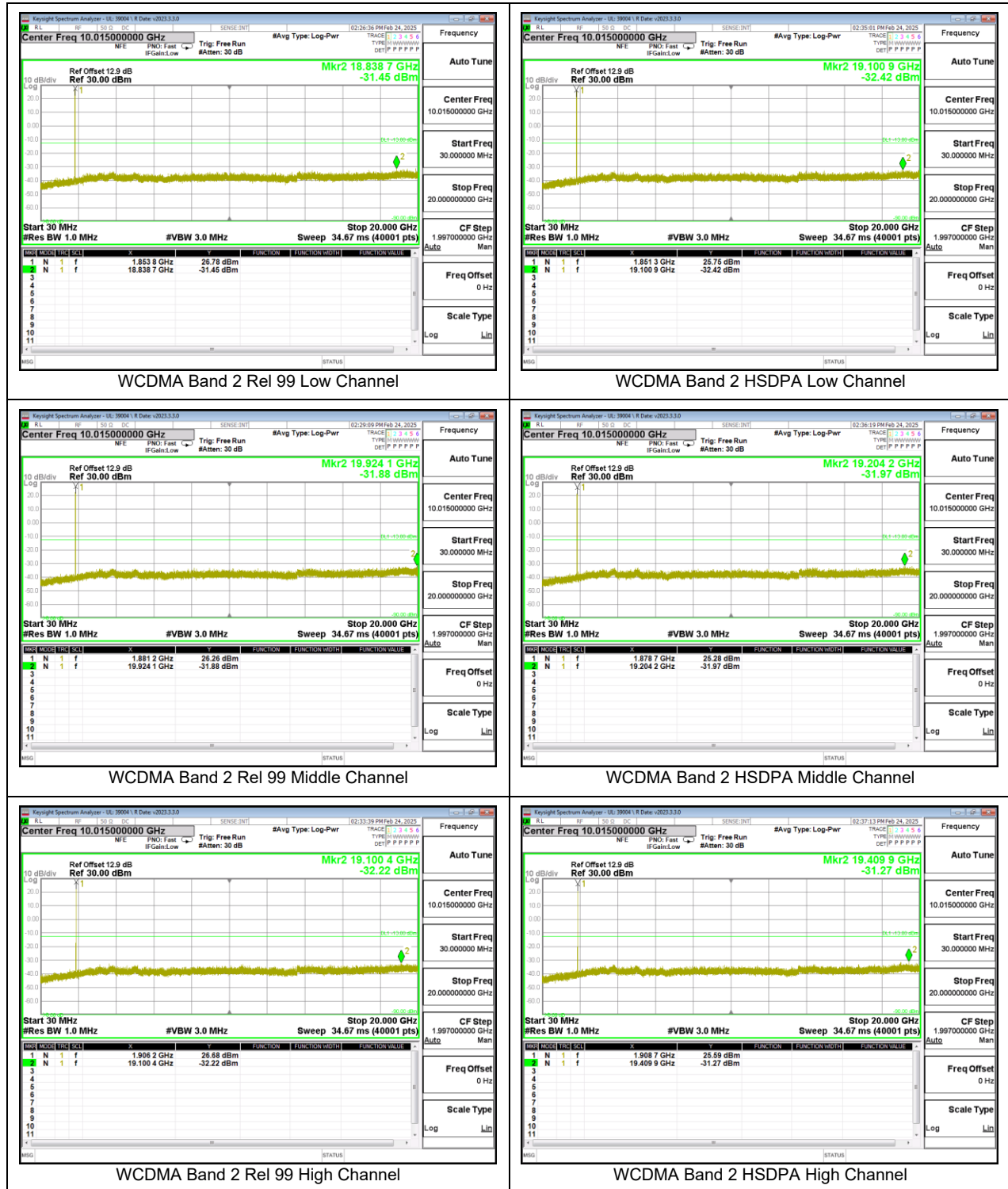
9.3.2. GSM 1900



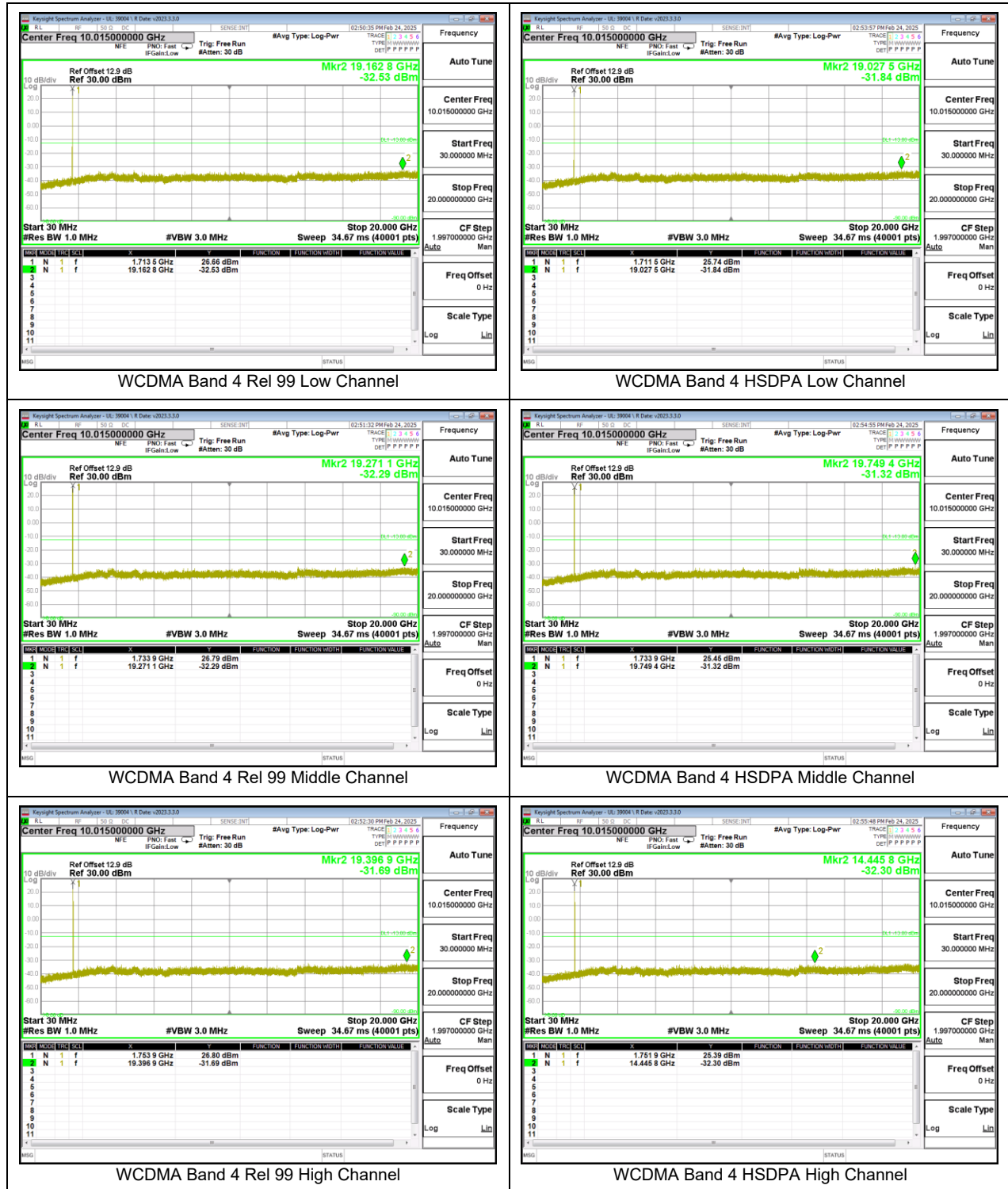
9.3.3. WCDMA BAND 5



9.3.4. WCDMA BAND 2



9.3.5. WCDMA BAND 4



9.4. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355, §24.235, and §27.54
ISED: RSS132§5.3; RSS133§5.4 and RSS139§5.4

LIMITS

FCC §22.355

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

FCC §24.235 & §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

RSS132§5.3

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within each of the sub-bands when tested at the temperature and supply voltage variations specified in RSS-Gen.

RSS133§5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to the temperature and supply voltage variations specified in RSS-Gen.

RSS139§5.4

The frequency stability shall be sufficient to ensure that the occupied bandwidth stays within the operating frequency block or frequency block group when tested to the temperature and supply voltage variations specified in RSS-Gen.

TEST PROCEDURE

Use base station simulator with Frequency Error measurement capability.

- Temp. = -30°C to $+50^{\circ}\text{C}$
- Voltage = (85% - 115%)

Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

RESULTS

See the following pages.

9.4.1. GSM

Test Engineer ID:	27700	Test Date:	2025-03-12
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GPRS 850

Band	850	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	824.0447	848.9592			
Extreme (50°C)		824.0447	848.9592	18.4	0.022	Yes
Extreme (40°C)		824.0447	848.9592	17.9	0.021	Yes
Extreme (30°C)		824.0447	848.9592	21.9	0.026	Yes
Extreme (10°C)		824.0447	848.9592	19.9	0.024	Yes
Extreme (0°C)		824.0447	848.9592	24.9	0.030	Yes
Extreme (-10°C)		824.0447	848.9592	30.0	0.036	Yes
Extreme (-20°C)		824.0447	848.9592	30.6	0.037	Yes
Extreme (-30°C)		824.0447	848.9592	32.2	0.039	Yes
20°C	15%	824.0447	848.9592	17.2	0.021	Yes
	-15%	824.0447	848.9592	16.0	0.019	Yes
	End Point Voltage	824.0447	848.9592	16.2	0.019	Yes

GPRS 1900

Band	1900	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1910		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	1850.0435	1909.9695			
Extreme (50°C)		1850.0435	1909.9695	10.3	0.005	Yes
Extreme (40°C)		1850.0435	1909.9695	15.9	0.008	Yes
Extreme (30°C)		1850.0435	1909.9695	17.7	0.009	Yes
Extreme (10°C)		1850.0435	1909.9695	19.7	0.010	Yes
Extreme (0°C)		1850.0435	1909.9695	24.5	0.013	Yes
Extreme (-10°C)		1850.0435	1909.9695	21.9	0.012	Yes
Extreme (-20°C)		1850.0435	1909.9695	27.9	0.015	Yes
Extreme (-30°C)		1850.0435	1909.9695	23.4	0.012	Yes
20°C	15%	1850.0435	1909.9695	10.4	0.006	Yes
	-15%	1850.0435	1909.9695	16.8	0.009	Yes
	End Point Voltage	1850.0435	1909.9695	12.3	0.007	Yes

9.4.2. WCDMA

Test Engineer ID:	27700	Test Date:	2025-03-12
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WCDMA REL 99 BAND 5

Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.1272	848.8566			
Extreme (50°C)		824.1272	848.8566	-1.2	-0.001	Yes
Extreme (40°C)		824.1272	848.8566	0.8	0.001	Yes
Extreme (30°C)		824.1272	848.8566	0.2	0.000	Yes
Extreme (10°C)		824.1272	848.8566	-0.7	-0.001	Yes
Extreme (0°C)		824.1272	848.8566	-0.4	0.000	Yes
Extreme (-10°C)		824.1272	848.8566	2.3	0.003	Yes
Extreme (-20°C)		824.1272	848.8566	2.3	0.003	Yes
Extreme (-30°C)		824.1272	848.8566	2.6	0.003	Yes
20°C	15%	824.1272	848.8566	-1.1	-0.001	Yes
	-15%	824.1272	848.8566	-2.4	-0.003	Yes
	End Point Voltage	824.1272	848.8566	-0.5	-0.001	Yes

WCDMA REL 99 BAND 2

Band	2	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1910		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1850.1348	1909.8704			
Extreme (50°C)		1850.1348	1909.8704	1.5	0.001	Yes
Extreme (40°C)		1850.1348	1909.8704	2.0	0.001	Yes
Extreme (30°C)		1850.1348	1909.8704	3.5	0.002	Yes
Extreme (10°C)		1850.1348	1909.8704	4.5	0.002	Yes
Extreme (0°C)		1850.1348	1909.8704	3.4	0.002	Yes
Extreme (-10°C)		1850.1348	1909.8704	2.9	0.002	Yes
Extreme (-20°C)		1850.1348	1909.8704	2.8	0.002	Yes
Extreme (-30°C)		1850.1348	1909.8704	2.7	0.001	Yes
20°C	15%	1850.1348	1909.8704	3.3	0.002	Yes
	-15%	1850.1348	1909.8704	3.1	0.002	Yes
	End Point Voltage	1850.1348	1909.8704	2.5	0.001	Yes

WCDMA REL 99 BAND 4

Band	4	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1755		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage					
Normal (20°C)	Normal	1710.1339	1754.8980			
Extreme (50°C)		1710.1339	1754.8980	-1.8	-0.001	Yes
Extreme (40°C)		1710.1339	1754.8980	-3.1	-0.002	Yes
Extreme (30°C)		1710.1339	1754.8980	-0.3	0.000	Yes
Extreme (10°C)		1710.1339	1754.8980	-0.2	0.000	Yes
Extreme (0°C)		1710.1339	1754.8980	-0.8	0.000	Yes
Extreme (-10°C)		1710.1339	1754.8980	-2.4	-0.001	Yes
Extreme (-20°C)		1710.1339	1754.8980	-0.9	-0.001	Yes
Extreme (-30°C)		1710.1339	1754.8980	-0.3	0.000	Yes
20°C	15%	1710.1339	1754.8980	-3.1	-0.002	Yes
	-15%	1710.1339	1754.8980	-4.3	-0.002	Yes
	End Point Voltage	1710.1339	1754.8980	-7.5	-0.004	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

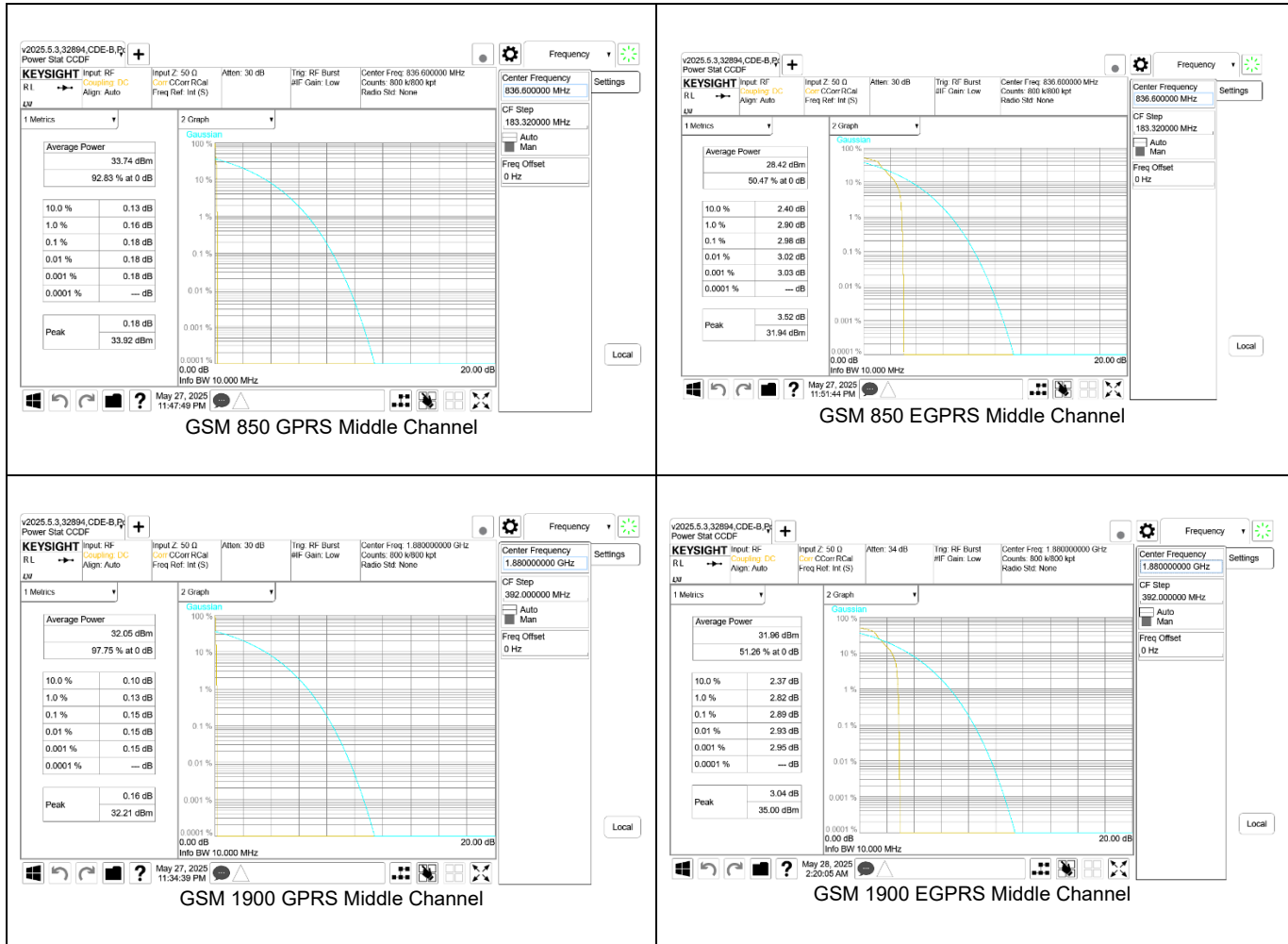
In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

RESULT

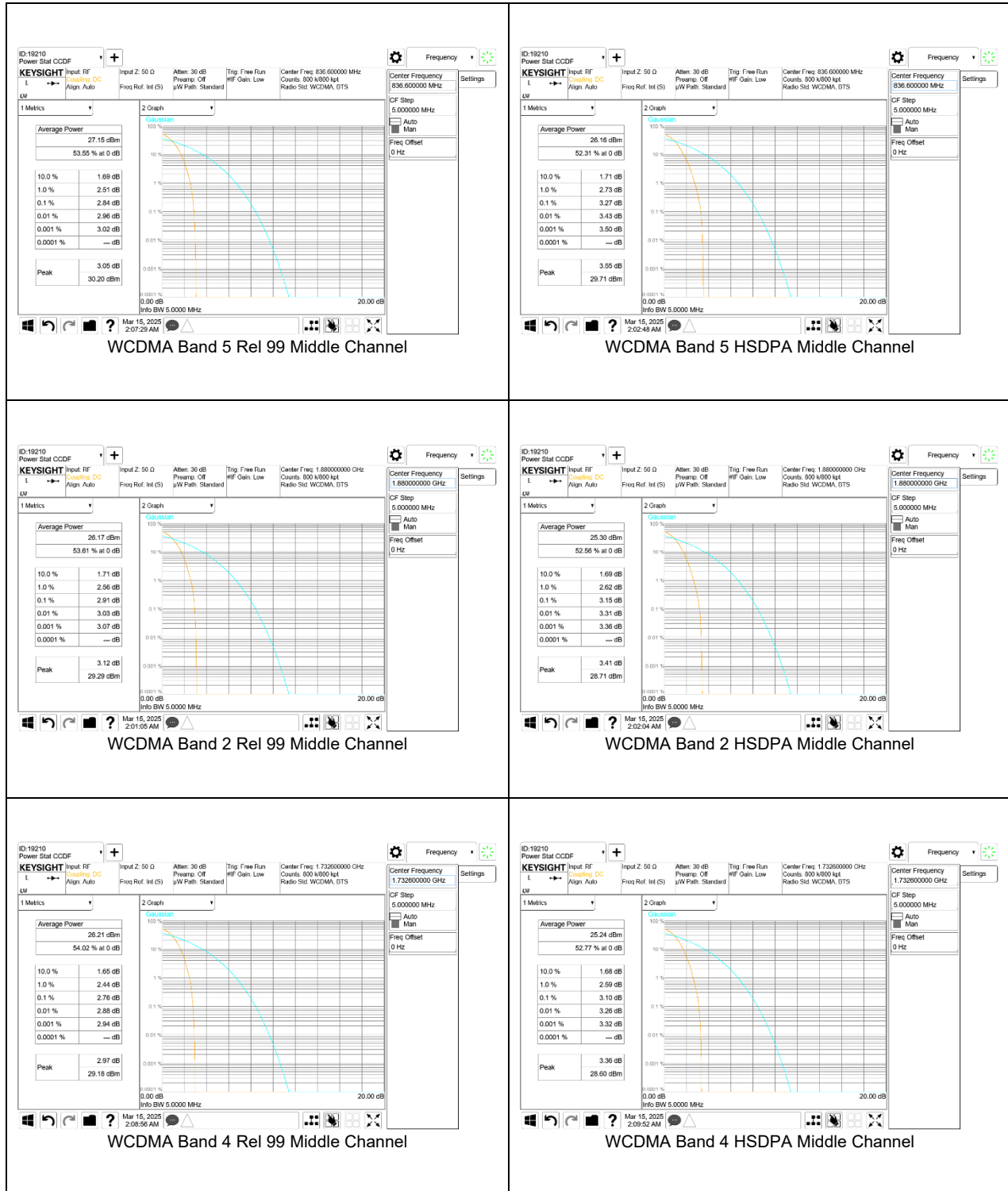
Ant 3 was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

Test Engineer ID:	32894	Test Date:	2025-03-07
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9.5.1. GSM



9.5.2. WCDMA



RADIATED TEST RESULTS

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, the radiated emissions is measured directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement.

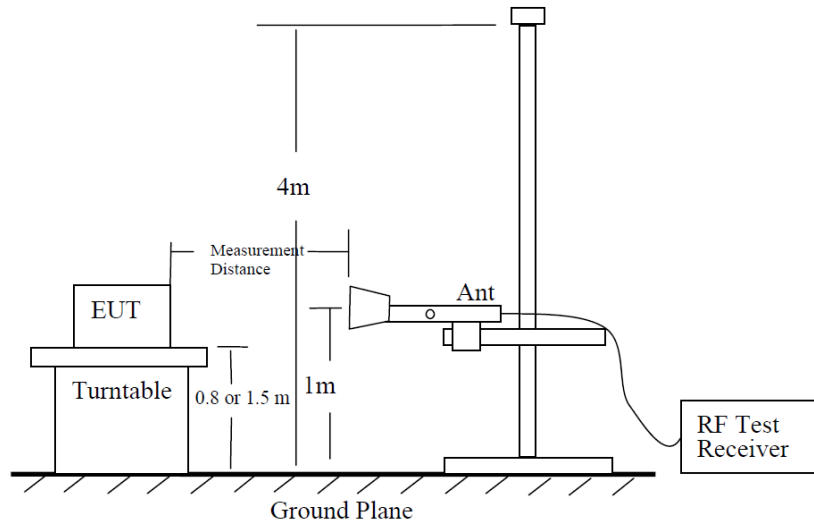


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$.
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8$; where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8$; where D is the measurement distance (in the far field region) in m.

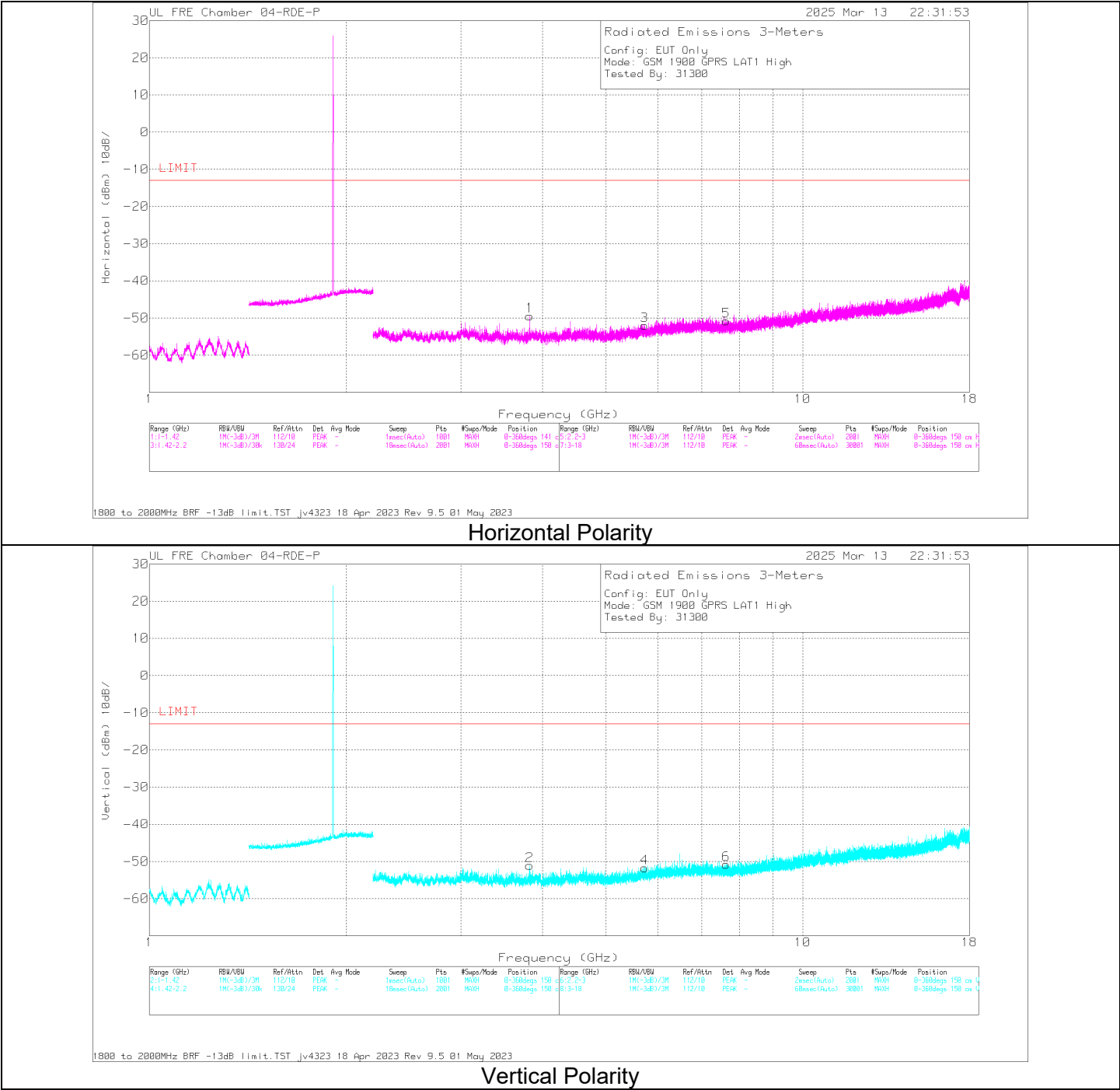
So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

Example Plot



Trace Markers

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
3.819500	58.66	Pk	33.3	-95.2	-46.23	-49.47	-13	-36.47	H
3.819500	57.03	Pk	33.3	-95.2	-46.23	-51.10	-13	-38.10	V
5.729000	55.97	Pk	34.5	-95.2	-47.03	-51.76	-13	-38.76	V
5.729500	55.71	Pk	34.5	-95.2	-47.02	-52.01	-13	-39.01	H
7.638000	55.25	Pk	35.8	-95.2	-46.68	-50.83	-13	-37.83	V
7.639500	55.26	Pk	35.8	-95.2	-46.69	-50.83	-13	-37.83	H

9.6. FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, and §27.53.
ISED: RSS132§5.5; RSS133§5.6 and RSS139§5.6

LIMIT

FCC: §22.917(a), §24.238(a), §27.53 (h)

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

RSS132§5.5

Equipment shall meet the unwanted emission limits specified below:

- (i) In the first 1.0 MHz band immediately outside and adjacent to each of the sub-bands specified in Section 5.1, the power of emissions per any 1% of the occupied bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB.
- (ii) After the first 1.0 MHz immediately outside and adjacent to each of the sub-bands, the power of emissions in any 100 kHz bandwidth shall be attenuated below the transmitter output power P (dBW) by at least $43 + 10 \log(p)$ dB. If the measurement is performed using 1% of the occupied bandwidth, power integration over 100 kHz is required.

p is the output power specified in watts.

RSS133§5.6

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors), where applicable, of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in the table 3.

Table 3: Unwanted emission limits for all equipment	
Offset frequency from the edge of the frequency block group (MHz)	Unwanted emission limit
≤ 1	-13 dBm/(1% of OBW)
> 1	-13 dBm/MHz

RSS139§5.6

Unwanted emissions shall be measured in terms of average values.

For all equipment, the TRP or total conducted power (sum of conducted power across all antenna connectors) of the unwanted emissions outside the frequency block or frequency block group shall not exceed the limits shown in table 6.

Table 6: Unwanted emission limits	
Offset from the edge of the frequency block or frequency block group)	Unwanted emission limit
≤ 1 MHz	-13 dBm/(1% of B*)
> 1 MHz	-13 dBm/MHz

*B is the frequency block or frequency block group.

TEST PROCEDURE

KDB 971168 D01 /D02

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

9.6.1. GSM 850

GPRS MODE, ANT 3

Date:	2025-03-13
Test Engineer:	25019
Configuration:	EUT Only
Mode:	GSM 850 GPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 824.2MHz									
1.628120	56.40	Pk	28.6	-95.2	-49.34	-59.54	-13	-46.54	H
1.628120	57.37	Pk	28.6	-95.2	-49.34	-58.57	-13	-45.57	V
2.442560	56.88	Pk	32.2	-95.2	-50.29	-56.41	-13	-43.41	H
2.442560	56.68	Pk	32.2	-95.2	-50.29	-56.61	-13	-43.61	V
3.256560	54.33	Pk	32.7	-95.2	-47.35	-55.52	-13	-42.52	H
3.256560	53.33	Pk	32.7	-95.2	-47.35	-56.52	-13	-43.52	V
Mid Channel, 836.6MHz									
1.653200	55.76	Pk	28.8	-95.2	-49.38	-60.02	-13	-47.02	H
1.653200	56.21	Pk	28.8	-95.2	-49.38	-59.57	-13	-46.57	V
2.479960	56.38	Pk	32.2	-95.2	-50.02	-56.64	-13	-43.64	H
2.479960	56.09	Pk	32.2	-95.2	-50.02	-56.93	-13	-43.93	V
3.306720	54.14	Pk	32.7	-95.2	-47.33	-55.69	-13	-42.69	H
3.306720	53.92	Pk	32.7	-95.2	-47.33	-55.91	-13	-42.91	V
High Channel, 848.8MHz									
1.677400	57.26	Pk	28.9	-95.2	-49.42	-58.46	-13	-45.46	H
1.677400	56.74	Pk	28.9	-95.2	-49.42	-58.98	-13	-45.98	V
2.516040	55.87	Pk	32.2	-95.2	-49.82	-56.95	-13	-43.95	H
2.516040	57.48	Pk	32.2	-95.2	-49.82	-55.34	-13	-42.34	V
3.355120	55.16	Pk	32.7	-95.2	-47.04	-54.38	-13	-41.38	H
3.355120	54.24	Pk	32.7	-95.2	-47.04	-55.30	-13	-42.30	V

GPRS MODE, ANT 2

Date:	2025-03-14
Test Engineer:	31300
Configuration:	EUT Only
Mode:	GSM 850 GPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 824.2MHz									
1.649680	57.35	Pk	28.7	-95.2	-49.38	-58.53	-13	-45.53	H
1.648800	57.42	Pk	28.7	-95.2	-49.38	-58.46	-13	-45.46	V
2.472040	57.67	Pk	32.2	-95.2	-50.14	-55.47	-13	-42.47	H
2.472480	58.95	Pk	32.2	-95.2	-50.13	-54.18	-13	-41.18	V
3.296160	55.58	Pk	32.7	-95.2	-47.35	-54.27	-13	-41.27	H
3.296160	55.55	Pk	32.7	-95.2	-47.35	-54.30	-13	-41.30	V
Mid Channel, 836.6MHz									
1.673000	58.45	Pk	28.8	-95.2	-49.42	-57.37	-13	-44.37	H
1.673000	57.19	Pk	28.8	-95.2	-49.42	-58.63	-13	-45.63	V
2.509000	58.15	Pk	32.2	-95.2	-49.85	-54.70	-13	-41.70	H
2.509440	58.42	Pk	32.2	-95.2	-49.85	-54.43	-13	-41.43	V
3.345000	55.51	Pk	32.7	-95.2	-47.09	-54.08	-13	-41.08	H
3.345880	55.28	Pk	32.7	-95.2	-47.08	-54.30	-13	-41.30	V
High Channel, 848.8MHz									
1.696760	57.96	Pk	29	-95.2	-49.38	-57.62	-13	-44.62	H
1.697640	57.76	Pk	29.1	-95.2	-49.37	-57.71	-13	-44.71	V
2.546400	58.56	Pk	32.2	-95.2	-49.68	-54.12	-13	-41.12	H
2.545520	57.34	Pk	32.2	-95.2	-49.68	-55.34	-13	-42.34	V
3.395160	53.94	Pk	32.7	-95.2	-46.91	-55.47	-13	-42.47	H
3.395160	52.89	Pk	32.7	-95.2	-46.91	-56.52	-13	-43.52	V

EGPRS MODE, ANT 3

Date:	2025-03-13
Test Engineer:	25019
Configuration:	EUT Only
Mode:	GSM 850 EGPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 824.2MHz									
1.628120	57.83	Pk	28.6	-95.2	-49.34	-58.11	-13	-45.11	H
1.628120	56.09	Pk	28.6	-95.2	-49.34	-59.85	-13	-46.85	V
2.442560	58.09	Pk	32.2	-95.2	-50.29	-55.20	-13	-42.20	H
2.442560	58.18	Pk	32.2	-95.2	-50.29	-55.11	-13	-42.11	V
3.257000	53.25	Pk	32.7	-95.2	-47.35	-56.60	-13	-43.60	H
3.257000	53.59	Pk	32.7	-95.2	-47.35	-56.26	-13	-43.26	V
Mid Channel, 836.6MHz									
1.653200	56.03	Pk	28.8	-95.2	-49.38	-59.75	-13	-46.75	H
1.653200	57.12	Pk	28.8	-95.2	-49.38	-58.66	-13	-45.66	V
2.479960	57.55	Pk	32.2	-95.2	-50.02	-55.47	-13	-42.47	H
2.479960	56.89	Pk	32.2	-95.2	-50.02	-56.13	-13	-43.13	V
3.306280	54.15	Pk	32.7	-95.2	-47.32	-55.67	-13	-42.67	H
3.306280	53.75	Pk	32.7	-95.2	-47.32	-56.07	-13	-43.07	V
High Channel, 848.8MHz									
1.677400	58.70	Pk	28.9	-95.2	-49.42	-57.02	-13	-44.02	H
1.677400	58.40	Pk	28.9	-95.2	-49.42	-57.32	-13	-44.32	V
2.516480	58.07	Pk	32.2	-95.2	-49.82	-54.75	-13	-41.75	H
2.516480	57.30	Pk	32.2	-95.2	-49.82	-55.52	-13	-42.52	V
3.355120	54.00	Pk	32.7	-95.2	-47.04	-55.54	-13	-42.54	H
3.355120	53.51	Pk	32.7	-95.2	-47.04	-56.03	-13	-43.03	V

EGPRS MODE, ANT 2

Date:	2025-03-13
Test Engineer:	25019
Configuration:	EUT Only
Mode:	GSM 850 EGPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 824.2MHz									
1.648360	56.45	Pk	28.7	-95.2	-49.38	-59.43	-13	-46.43	H
1.648360	56.83	Pk	28.7	-95.2	-49.38	-59.05	-13	-46.05	V
2.472480	56.81	Pk	32.2	-95.2	-50.13	-56.32	-13	-43.32	H
2.472480	58.23	Pk	32.2	-95.2	-50.13	-54.90	-13	-41.90	V
3.297040	54.33	Pk	32.7	-95.2	-47.35	-55.52	-13	-42.52	H
3.297040	54.76	Pk	32.7	-95.2	-47.35	-55.09	-13	-42.09	V
Mid Channel, 836.6MHz									
1.673880	58.18	Pk	28.8	-95.2	-49.42	-57.64	-13	-44.64	H
1.673880	57.04	Pk	28.8	-95.2	-49.42	-58.78	-13	-45.78	V
2.509440	57.56	Pk	32.2	-95.2	-49.85	-55.29	-13	-42.29	H
2.509440	56.22	Pk	32.2	-95.2	-49.85	-56.63	-13	-43.63	V
3.346320	54.32	Pk	32.7	-95.2	-47.08	-55.26	-13	-42.26	H
3.346320	53.83	Pk	32.7	-95.2	-47.08	-55.75	-13	-42.75	V
High Channel, 848.8MHz									
1.697640	56.85	Pk	29.1	-95.2	-49.37	-58.62	-13	-45.62	H
1.697640	57.75	Pk	29.1	-95.2	-49.37	-57.72	-13	-44.72	V
2.546400	56.68	Pk	32.2	-95.2	-49.68	-56.00	-13	-43.00	H
2.546400	56.73	Pk	32.2	-95.2	-49.68	-55.95	-13	-42.95	V
3.395600	54.61	Pk	32.7	-95.2	-46.90	-54.79	-13	-41.79	H
3.395600	53.53	Pk	32.7	-95.2	-46.90	-55.87	-13	-42.87	V

9.6.2. GSM 1900

GPRS MODE, ANT 3

Date:	2025-03-13
Test Engineer:	31300
Configuration:	EUT Only
Mode:	GSM 1900 GPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.700000	58.36	Pk	33.1	-95.2	-46.26	-50.00	-13	-37.00	H
3.700000	57.34	Pk	33.1	-95.2	-46.26	-51.02	-13	-38.02	V
5.550500	56.64	Pk	34.3	-95.2	-47.80	-52.06	-13	-39.06	H
5.550500	55.24	Pk	34.3	-95.2	-47.80	-53.46	-13	-40.46	V
7.400500	54.33	Pk	35.7	-95.2	-46.74	-51.91	-13	-38.91	H
7.401000	53.46	Pk	35.7	-95.2	-46.75	-52.79	-13	-39.79	V
Mid Channel, 1880MHz									
3.759500	58.89	Pk	33.3	-95.2	-46.11	-49.14	-13	-36.14	H
3.760000	56.38	Pk	33.3	-95.2	-46.11	-51.63	-13	-38.63	V
5.640500	56.30	Pk	34.4	-95.2	-47.54	-52.04	-13	-39.04	H
5.640000	56.68	Pk	34.4	-95.2	-47.54	-51.66	-13	-38.66	V
7.520000	54.48	Pk	35.7	-95.2	-47.33	-52.35	-13	-39.35	H
7.520500	55.17	Pk	35.7	-95.2	-47.33	-51.66	-13	-38.66	V
High Channel, 1909.8MHz									
3.819500	58.66	Pk	33.3	-95.2	-46.23	-49.47	-13	-36.47	H
3.819500	57.03	Pk	33.3	-95.2	-46.22	-51.10	-13	-38.10	V
5.729000	55.97	Pk	34.5	-95.2	-47.02	-52.01	-13	-39.01	H
5.729500	55.71	Pk	34.5	-95.2	-47.02	-51.76	-13	-38.76	V
7.639500	55.26	Pk	35.8	-95.2	-46.69	-50.83	-13	-37.83	H
7.638000	55.25	Pk	35.8	-95.2	-46.68	-50.83	-13	-37.83	V

GPRS MODE, ANT 4

Date:	2025-03-14
Test Engineer:	31300
Configuration:	EUT Only
Mode:	GSM 1900 GPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.700500	53.39	Pk	33.1	-95.2	-46.26	-54.97	-13	-41.97	H
3.700000	54.11	Pk	33.1	-95.2	-46.26	-54.25	-13	-41.25	V
5.551000	53.97	Pk	34.3	-95.2	-47.80	-54.73	-13	-41.73	H
5.551000	54.38	Pk	34.3	-95.2	-47.80	-54.32	-13	-41.32	V
7.399000	53.68	Pk	35.7	-95.2	-46.70	-52.52	-13	-39.52	H
7.401500	54.87	Pk	35.7	-95.2	-46.76	-51.39	-13	-38.39	V
Mid Channel, 1880MHz									
3.759500	54.92	Pk	33.3	-95.2	-46.13	-53.11	-13	-40.11	H
3.761000	53.88	Pk	33.3	-95.2	-46.10	-54.12	-13	-41.12	V
5.640500	54.66	Pk	34.4	-95.2	-47.54	-53.68	-13	-40.68	H
5.640500	54.48	Pk	34.4	-95.2	-47.54	-53.86	-13	-40.86	V
7.519500	54.01	Pk	35.7	-95.2	-47.32	-52.81	-13	-39.81	H
7.520000	54.11	Pk	35.7	-95.2	-47.33	-52.72	-13	-39.72	V
High Channel, 1909.8MHz									
3.819500	53.39	Pk	33.3	-95.2	-46.23	-54.74	-13	-41.74	H
3.819500	53.19	Pk	33.3	-95.2	-46.23	-54.94	-13	-41.94	V
5.727000	55.92	Pk	34.5	-95.2	-47.08	-51.86	-13	-38.86	H
5.727000	53.45	Pk	34.5	-95.2	-47.08	-54.33	-13	-41.33	V
7.639000	54.63	Pk	35.8	-95.2	-46.68	-51.45	-13	-38.45	H
7.641000	54.43	Pk	35.8	-95.2	-46.69	-51.66	-13	-38.66	V

GPRS MODE, ANT 2

Date:	2025-03-14
Test Engineer:	31300
Configuration:	EUT Only
Mode:	GSM 1900 GPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.701000	53.30	Pk	33.1	-95.2	-46.26	-55.06	-13	-42.06	H
3.700500	54.17	Pk	33.1	-95.2	-46.26	-54.19	-13	-41.19	V
5.549000	55.78	Pk	34.3	-95.2	-47.78	-52.90	-13	-39.90	H
5.550500	57.44	Pk	34.3	-95.2	-47.80	-51.26	-13	-38.26	V
7.401000	53.24	Pk	35.7	-95.2	-46.75	-53.01	-13	-40.01	H
7.400500	54.13	Pk	35.7	-95.2	-46.74	-52.11	-13	-39.11	V
Mid Channel, 1880MHz									
3.760500	54.47	Pk	33.3	-95.2	-46.11	-53.54	-13	-40.54	H
3.759500	54.33	Pk	33.3	-95.2	-46.13	-53.70	-13	-40.70	V
5.640500	54.42	Pk	34.4	-95.2	-47.54	-53.92	-13	-40.92	H
5.640000	56.12	Pk	34.4	-95.2	-47.54	-52.22	-13	-39.22	V
7.520500	54.92	Pk	35.7	-95.2	-47.33	-51.91	-13	-38.91	H
7.520000	54.30	Pk	35.7	-95.2	-47.33	-52.53	-13	-39.53	V
High Channel, 1909.8MHz									
3.700500	54.19	Pk	33.1	-95.2	-46.26	-54.17	-13	-41.17	H
3.700500	53.05	Pk	33.1	-95.2	-46.26	-55.31	-13	-42.31	V
5.550500	53.83	Pk	34.3	-95.2	-47.80	-54.87	-13	-41.87	H
5.550000	54.95	Pk	34.3	-95.2	-47.79	-53.74	-13	-40.74	V
7.399500	54.39	Pk	35.7	-95.2	-46.72	-51.83	-13	-38.83	H
7.400500	54.65	Pk	35.7	-95.2	-46.74	-51.59	-13	-38.59	V

GPRS MODE, ANT 1

Date:	2025-03-14
Test Engineer:	25019
Configuration:	EUT Only
Mode:	GSM 1900 GPRS
Chamber #:	04-RDE-p

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.700500	52.64	Pk	33.1	-95.2	-46.26	-55.72	-13	-42.72	H
3.700500	53.60	Pk	33.1	-95.2	-46.26	-54.76	-13	-41.76	V
5.550500	53.91	Pk	34.3	-95.2	-47.80	-54.79	-13	-41.79	H
5.550500	53.90	Pk	34.3	-95.2	-47.80	-54.80	-13	-41.80	V
7.400500	53.67	Pk	35.7	-95.2	-46.74	-52.57	-13	-39.57	H
7.400500	52.65	Pk	35.7	-95.2	-46.74	-53.59	-13	-40.59	V
Mid Channel, 1880MHz									
3.760000	53.33	Pk	33.3	-95.2	-46.11	-54.68	-13	-41.68	H
3.760000	53.83	Pk	33.3	-95.2	-46.11	-54.18	-13	-41.18	V
5.640000	54.95	Pk	34.4	-95.2	-47.54	-53.39	-13	-40.39	H
5.640000	54.21	Pk	34.4	-95.2	-47.54	-54.13	-13	-41.13	V
7.520500	54.21	Pk	35.7	-95.2	-47.33	-52.62	-13	-39.62	H
7.520500	53.85	Pk	35.7	-95.2	-47.33	-52.98	-13	-39.98	V
High Channel, 1909.8MHz									
3.819500	53.06	Pk	33.3	-95.2	-46.23	-55.07	-13	-42.07	H
3.819500	51.89	Pk	33.3	-95.2	-46.23	-56.24	-13	-43.24	V
5.730000	53.06	Pk	34.5	-95.2	-47.01	-54.65	-13	-41.65	H
5.730000	53.67	Pk	34.5	-95.2	-47.01	-54.04	-13	-41.04	V
7.639500	53.97	Pk	35.8	-95.2	-46.69	-52.12	-13	-39.12	H
7.639500	53.90	Pk	35.8	-95.2	-46.69	-52.19	-13	-39.19	V

EGPRS MODE, ANT 3

Date:	2025-06-19
Test Engineer:	32703
Configuration:	EUT Only
Mode:	GSM 1900 EGPRS
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.700500	55.74	Pk	33.2	-95.2	-47.2	-53.46	-13	-40.46	H
3.700500	54.18	Pk	33.2	-95.2	-47.2	-55.02	-13	-42.02	V
5.550500	53.89	Pk	34.4	-95.2	-47.0	-53.91	-13	-40.91	H
5.550500	55.91	Pk	34.4	-95.2	-47.0	-51.89	-13	-38.89	V
7.400500	52.02	Pk	35.8	-95.2	-45.45	-52.83	-13	-39.83	H
7.400500	51.40	Pk	35.8	-95.2	-45.45	-53.45	-13	-40.45	V
Mid Channel, 1880MHz									
3.760500	54.32	Pk	33.4	-95.2	-47	-54.48	-13	-41.48	H
3.760500	53.17	Pk	33.4	-95.2	-47	-55.63	-13	-42.63	V
5.640500	53.00	Pk	34.4	-95.2	-46.7	-54.50	-13	-41.50	H
5.640500	54.34	Pk	34.4	-95.2	-46.7	-53.16	-13	-40.16	V
7.520500	51.63	Pk	35.8	-95.2	-46.1	-53.87	-13	-40.87	H
7.520500	52.41	Pk	35.8	-95.2	-46.1	-53.09	-13	-40.09	V
High Channel, 1909.8MHz									
3.819500	53.04	Pk	33.5	-95.2	-46.8	-55.46	-13	-42.46	H
3.819500	52.6	Pk	33.5	-95.2	-46.8	-55.9	-13	-42.9	V
5.729500	54.05	Pk	34.6	-95.2	-46.6	-53.15	-13	-40.15	H
5.729500	53.99	Pk	34.6	-95.2	-46.6	-53.21	-13	-40.21	V
7.639500	51.21	Pk	35.9	-95.2	-44.5	-52.59	-13	-39.59	H
7.639500	52.71	Pk	35.9	-95.2	-44.5	-51.09	-13	-38.09	V

EGPRS MODE, ANT 4

Date:	2025-03-14
Test Engineer:	31300
Configuration:	EUT Only
Mode:	GSM 1900 EGPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.700500	53.24	Pk	33.1	-95.2	-46.26	-55.12	-13	-42.12	H
3.700000	54.80	Pk	33.1	-95.2	-46.26	-53.56	-13	-40.56	V
5.550000	54.81	Pk	34.3	-95.2	-47.79	-53.88	-13	-40.88	H
5.550000	54.46	Pk	34.3	-95.2	-47.79	-54.23	-13	-41.23	V
7.401500	55.31	Pk	35.7	-95.2	-46.76	-50.95	-13	-37.95	H
7.401500	54.33	Pk	35.7	-95.2	-46.76	-51.93	-13	-38.93	V
Mid Channel, 1880MHz									
3.760000	53.28	Pk	33.3	-95.2	-46.11	-54.73	-13	-41.73	H
3.760500	53.20	Pk	33.3	-95.2	-46.11	-54.81	-13	-41.81	V
5.641000	55.93	Pk	34.4	-95.2	-47.53	-52.40	-13	-39.40	H
5.641000	54.86	Pk	34.4	-95.2	-47.53	-53.47	-13	-40.47	V
7.522000	54.65	Pk	35.7	-95.2	-47.33	-52.18	-13	-39.18	H
7.522500	54.82	Pk	35.7	-95.2	-47.34	-52.02	-13	-39.02	V
High Channel, 1909.8MHz									
3.818000	53.57	Pk	33.3	-95.2	-46.25	-54.58	-13	-41.58	H
3.819000	53.89	Pk	33.3	-95.2	-46.23	-54.24	-13	-41.24	V
5.730000	53.98	Pk	34.5	-95.2	-47.01	-53.73	-13	-40.73	H
5.730500	55.06	Pk	34.5	-95.2	-47.01	-52.65	-13	-39.65	V
7.640000	55.11	Pk	35.8	-95.2	-46.69	-50.98	-13	-37.98	H
7.639000	55.00	Pk	35.8	-95.2	-46.68	-51.08	-13	-38.08	V

EGPRS MODE, ANT 2

Date:	2025-03-14
Test Engineer:	31300
Configuration:	EUT Only
Mode:	GSM 1900 EGPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBUV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.70000	55.37	Pk	33.1	-95.2	-46.26	-52.99	-13	-39.99	H
3.70000	54.25	Pk	33.1	-95.2	-46.26	-54.11	-13	-41.11	V
5.549500	57.45	Pk	34.3	-95.2	-47.79	-51.24	-13	-38.24	H
5.549500	54.75	Pk	34.3	-95.2	-47.79	-53.94	-13	-40.94	V
7.402000	53.95	Pk	35.7	-95.2	-46.77	-52.32	-13	-39.32	H
7.401000	53.86	Pk	35.7	-95.2	-46.75	-52.39	-13	-39.39	V
Mid Channel, 1880MHz									
3.761000	55.06	Pk	33.3	-95.2	-46.10	-52.94	-13	-39.94	H
3.761000	52.87	Pk	33.3	-95.2	-46.10	-55.13	-13	-42.13	V
5.640000	55.54	Pk	34.4	-95.2	-47.54	-52.80	-13	-39.80	H
5.640000	55.82	Pk	34.4	-95.2	-47.54	-52.52	-13	-39.52	V
7.520000	55.25	Pk	35.7	-95.2	-47.33	-51.58	-13	-38.58	H
7.520500	54.64	Pk	35.7	-95.2	-47.33	-52.19	-13	-39.19	V
High Channel, 1909.8MHz									
3.819000	53.13	Pk	33.3	-95.2	-46.23	-55.00	-13	-42.00	H
3.819500	52.84	Pk	33.3	-95.2	-46.23	-55.29	-13	-42.29	V
5.729500	55.18	Pk	34.5	-95.2	-47.02	-52.54	-13	-39.54	H
5.729500	53.97	Pk	34.5	-95.2	-47.02	-53.75	-13	-40.75	V
7.640000	54.40	Pk	35.8	-95.2	-46.69	-51.69	-13	-38.69	H
7.639000	55.39	Pk	35.8	-95.2	-46.68	-50.69	-13	-37.69	V

EGPRS MODE, ANT 1

Date:	2025-03-14
Test Engineer:	25019
Configuration:	EUT Only
Mode:	GSM 1900 EGPRS
Chamber #:	04-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	200897 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.700000	55.37	Pk	33.1	-95.2	-46.26	-52.99	-13	-39.99	H
3.700000	53.99	Pk	33.1	-95.2	-46.26	-54.37	-13	-41.37	V
5.550000	54.50	Pk	34.3	-95.2	-47.79	-54.19	-13	-41.19	H
5.550000	55.89	Pk	34.3	-95.2	-47.79	-52.80	-13	-39.80	V
7.400500	53.11	Pk	35.7	-95.2	-46.74	-53.13	-13	-40.13	H
7.400500	54.48	Pk	35.7	-95.2	-46.74	-51.76	-13	-38.76	V
Mid Channel, 1880MHz									
3.760000	52.29	Pk	33.3	-95.2	-46.11	-55.72	-13	-42.72	H
3.760000	51.76	Pk	33.3	-95.2	-46.11	-56.25	-13	-43.25	V
5.640500	55.59	Pk	34.4	-95.2	-47.54	-52.75	-13	-39.75	H
5.640500	53.96	Pk	34.4	-95.2	-47.54	-54.38	-13	-41.38	V
7.519500	54.53	Pk	35.7	-95.2	-47.32	-52.29	-13	-39.29	H
7.519500	53.03	Pk	35.7	-95.2	-47.32	-53.79	-13	-40.79	V
High Channel, 1909.8MHz									
3.820000	52.93	Pk	33.3	-95.2	-46.22	-55.19	-13	-42.19	H
3.820000	52.71	Pk	33.3	-95.2	-46.22	-55.41	-13	-42.41	V
5.729500	54.38	Pk	34.5	-95.2	-47.02	-53.34	-13	-40.34	H
5.729500	53.10	Pk	34.5	-95.2	-47.02	-54.62	-13	-41.62	V
7.640000	54.00	Pk	35.8	-95.2	-46.69	-52.09	-13	-39.09	H
7.640000	53.48	Pk	35.8	-95.2	-46.69	-52.61	-13	-39.61	V

9.6.3. WCDMA BAND 5

REL 99 MODE, ANT 3

Date:	2025-03-13
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 5
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.650560	59.66	Pk	28.6	-95.2	-48.00	-54.94	-13	-41.94	H
1.654520	60.96	Pk	28.6	-95.2	-48.1	-53.74	-13	-40.74	V
2.480400	59.45	Pk	32.3	-95.2	-48.14	-51.59	-13	-38.59	H
2.487440	59.26	Pk	32.4	-95.2	-48.10	-51.64	-13	-38.64	V
3.311560	55.41	Pk	32.8	-95.2	-46.10	-53.09	-13	-40.09	H
3.307600	55.60	Pk	32.8	-95.2	-46.24	-53.04	-13	-40.04	V
Mid Channel, 836.6MHz									
1.675200	58.73	Pk	28.8	-95.2	-48.20	-55.87	-13	-42.87	H
1.675640	60.02	Pk	28.9	-95.2	-48.20	-41.48	-13	-41.48	V
2.539360	59.68	Pk	32.5	-95.2	-47.56	-50.01	-13	-37.62	H
2.538920	56.30	Pk	32.5	-95.2	-47.61	-54.01	-13	-41.01	V
3.346760	54.74	Pk	32.7	-95.2	-45.98	-53.74	-13	-40.74	H
3.348520	53.88	Pk	32.7	-95.2	-45.80	-54.42	-13	-41.42	V
High Channel, 846.6MHz									
1.693680	58.41	Pk	29	-95.2	-48.40	-56.19	-13	-43.19	H
1.695440	60.93	Pk	29	-95.2	-48.4	-53.67	-13	-40.67	V
2.541120	57.71	Pk	32.5	-95.2	-47.51	-52.50	-13	-39.50	H
2.538920	56.81	Pk	32.5	-95.2	-47.61	-53.50	-13	-40.50	V
3.382840	53.92	Pk	32.8	-95.2	-45.42	-53.90	-13	-40.90	H
3.383280	54.17	Pk	32.8	-95.2	-45.43	-53.66	-13	-40.66	V

REL 99 MODE, ANT 2

Date:	2025-03-14
Test Engineer:	26051
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 5
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.646930	60.03	Pk	28.6	-95.2	-47.91	-56.49	-13	-43.49	H
1.650560	60.36	Pk	28.6	-95.2	-48.00	-54.24	-13	-41.24	V
2.454380	60.75	Pk	32.3	-95.2	-48.36	-52.09	-13	-39.09	H
2.496142	60.49	Pk	32.4	-95.2	-48.01	-52.19	-13	-39.19	V
3.348455	57.48	Pk	32.7	-95.2	-45.80	-52.66	-13	-39.66	H
3.302436	57.64	Pk	32.8	-95.2	-46.10	-51.9	-13	-38.9	V
Mid Channel, 836.6MHz									
1.683915	60.99	Pk	28.9	-95.2	-48.39	-56.24	-13	-43.24	H
1.671240	60.57	Pk	28.8	-95.2	-48.1	-53.93	-13	-40.93	V
2.535496	59.53	Pk	32.5	-95.2	-47.70	-51.41	-13	-38.41	H
2.534355	59.49	Pk	32.5	-95.2	-47.70	-51.83	-13	-38.83	V
3.330691	57.23	Pk	32.7	-95.2	-46.03	-53.24	-13	-40.24	H
3.341683	56.99	Pk	32.8	-95.2	-45.93	-52.83	-13	-39.83	V
High Channel, 846.6MHz									
1.690177	61.33	Pk	29	-95.2	-48.38	-56.2	-13	-43.2	H
1.691040	60.65	Pk	29	-95.2	-48.3	-53.85	-13	-40.85	V
2.536669	59.64	Pk	32.5	-95.2	-47.70	-53.28	-13	-40.28	H
2.542520	60.67	Pk	32.5	-95.2	-47.55	-52.57	-13	-39.57	V
3.395835	56.68	Pk	32.8	-95.2	-45.78	-53.81	-13	-40.81	H
3.384127	56.61	Pk	32.8	-95.2	-45.50	-52.51	-13	-39.51	V

HSDPA MODE, ANT 3

Date:	2025-03-13
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 5
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.673880	59.21	Pk	28.8	-95.2	-48.19	-55.38	-13	-42.38	H
1.671240	60.16	Pk	28.8	-95.2	-48.1	-54.34	-13	-41.34	V
2.507240	58.54	Pk	32.4	-95.2	-47.92	-52.18	-13	-39.18	H
2.509000	57.63	Pk	32.4	-95.2	-48.00	-53.17	-13	-40.17	V
3.348520	54.11	Pk	32.7	-95.2	-45.80	-54.19	-13	-41.19	H
3.345880	56.06	Pk	32.7	-95.2	-45.89	-52.33	-13	-39.33	V
Mid Channel, 836.6MHz									
1.673880	59.21	Pk	28.8	-95.2	-48.19	-55.38	-13	-42.38	H
1.671240	60.16	Pk	28.8	-95.2	-48.1	-54.34	-13	-41.34	V
2.507240	58.54	Pk	32.4	-95.2	-47.92	-52.18	-13	-39.18	H
2.509000	57.63	Pk	32.4	-95.2	-48.00	-53.17	-13	-40.17	V
3.348520	54.11	Pk	32.7	-95.2	-45.80	-54.19	-13	-41.19	H
3.345880	56.06	Pk	32.7	-95.2	-45.89	-52.33	-13	-39.33	V
High Channel, 846.6MHz									
1.690600	58.34	Pk	29	-95.2	-48.34	-56.20	-13	-43.20	H
1.691480	60.97	Pk	29	-95.2	-48.3	-53.53	-13	-40.53	V
2.538480	57.86	Pk	32.5	-95.2	-47.65	-52.49	-13	-39.49	H
2.540240	58.34	Pk	32.5	-95.2	-47.58	-51.94	-13	-38.94	V
3.383280	54.28	Pk	32.8	-95.2	-45.43	-53.55	-13	-40.55	H
3.381960	53.81	Pk	32.8	-95.2	-45.50	-54.09	-13	-41.09	V

HSDPA MODE, ANT 2

Date:	2025-06-19
Test Engineer:	32703
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 5
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.652760	57.03	Pk	28.4	-95.2	-48.9	-58.67	-13	-45.67	H
1.652760	57.65	Pk	28.4	-95.2	-48.9	-58.05	-13	-45.05	V
2.479080	57.33	Pk	32.2	-95.2	-48.9	-54.57	-13	-41.57	H
2.479080	56.71	Pk	32.2	-95.2	-48.9	-55.19	-13	-42.19	V
3.305400	55.91	Pk	32.8	-95.2	-46.8	-53.29	-13	-40.29	H
3.305400	53.13	Pk	32.8	-95.2	-46.8	-56.07	-13	-43.07	V
Mid Channel, 836.6MHz									
1.671240	57.17	Pk	28.6	-95.2	-48.9	-58.33	-13	-45.33	H
1.671240	61.25	Pk	28.6	-95.2	-48.9	-54.25	-13	-41.25	V
2.509000	57.11	Pk	32.2	-95.2	-48.8	-54.69	-13	-41.69	H
2.509000	56.47	Pk	32.2	-95.2	-48.8	-55.33	-13	-42.33	V
3.346320	54.70	Pk	32.8	-95.2	-46.5	-54.20	-13	-41.20	H
3.346320	52.93	Pk	32.8	-95.2	-46.5	-55.97	-13	-42.97	V
High Channel, 846.6MHz									
1.692800	56.17	Pk	28.9	-95.2	-48.8	-58.93	-13	-45.93	H
1.692800	58.35	Pk	28.9	-95.2	-48.8	-56.75	-13	-43.75	V
2.539800	56.14	Pk	32.2	-95.2	-48.58	-55.44	-13	-42.44	H
2.539800	55.61	Pk	32.2	-95.2	-48.58	-55.97	-13	-42.97	V
3.386800	54.16	Pk	32.8	-95.2	-46.1	-54.34	-13	-41.34	H
3.386800	53.20	Pk	32.8	-95.2	-46.1	-55.30	-13	-42.30	V

9.6.4. WCDMA BAND 2

REL 99 MODE, ANT 3

Date:	2025-03-13
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 2
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.755000	55.55	Pk	33.3	-95.2	-46.30	-52.65	-13	-39.65	H
3.754000	54.22	Pk	33.3	-95.2	-46.20	-53.88	-13	-40.88	V
5.640500	53.59	Pk	34.9	-95.2	-46.20	-52.91	-13	-39.91	H
5.642000	53.85	Pk	34.9	-95.2	-46.20	-52.65	-13	-39.65	V
7.524500	53.69	Pk	35.7	-95.2	-44.80	-50.61	-13	-37.61	H
7.526000	53.28	Pk	35.7	-95.2	-44.80	-51.02	-13	-38.02	V
Mid Channel, 1880MHz									
3.762250	55.61	Pk	33.3	-95.2	-46.50	-52.79	-13	-39.79	H
3.761000	54.93	Pk	33.3	-95.2	-46.40	-53.37	-13	-40.37	V
5.641500	54.86	Pk	34.9	-95.2	-46.20	-51.64	-13	-38.64	H
5.643500	56.88	Pk	34.9	-95.2	-46.20	-49.62	-13	-36.62	V
7.520500	53.86	Pk	35.7	-95.2	-44.85	-50.49	-13	-37.49	H
7.517000	54.33	Pk	35.7	-95.2	-45.00	-50.17	-13	-37.17	V
High Channel, 1907.6MHz									
3.815500	54.68	Pk	33.4	-95.2	-46.00	-53.12	-13	-40.12	H
3.814500	54.72	Pk	33.4	-95.2	-46.05	-53.13	-13	-40.13	V
5.719500	54.82	Pk	34.9	-95.2	-46.05	-51.53	-13	-38.53	H
5.718500	56.82	Pk	34.9	-95.2	-46.05	-49.53	-13	-36.53	V
7.630500	52.87	Pk	35.8	-95.2	-44.85	-51.38	-13	-38.38	H
7.631500	53.54	Pk	35.8	-95.2	-44.90	-50.76	-13	-37.76	V

REL 99 MODE, ANT 4

Date:	2025-06-19
Test Engineer:	32703
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 2
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705500	53.94	Pk	33.2	-95.2	-47.15	-55.21	-13	-42.21	H
3.705500	53.49	Pk	33.2	-95.2	-47.15	-55.66	-13	-42.66	V
5.557500	53.68	Pk	34.4	-95.2	-46.9	-54.02	-13	-41.02	H
5.557500	54.00	Pk	34.4	-95.2	-46.9	-53.70	-13	-40.70	V
7.409500	52.15	Pk	35.8	-95.2	-45.8	-53.05	-13	-40.05	H
7.409500	51.92	Pk	35.8	-95.2	-45.8	-53.28	-13	-40.28	V
Mid Channel, 1880MHz									
3.760500	52.74	Pk	33.4	-95.2	-47	-56.06	-13	-43.06	H
3.760500	52.96	Pk	33.4	-95.2	-47	-55.84	-13	-42.84	V
5.640500	53.17	Pk	34.4	-95.2	-46.7	-54.33	-13	-41.33	H
5.640500	53.61	Pk	34.4	-95.2	-46.7	-53.89	-13	-40.89	V
7.520500	53.41	Pk	35.8	-95.2	-46.1	-52.09	-13	-39.09	H
7.520500	52.52	Pk	35.8	-95.2	-46.1	-52.98	-13	-39.98	V
High Channel, 1907.6MHz									
3.815500	53.72	Pk	33.5	-95.2	-46.75	-54.73	-13	-41.73	H
3.815500	53.77	Pk	33.5	-95.2	-46.75	-54.68	-13	-41.68	V
5.723000	52.67	Pk	34.6	-95.2	-46.6	-54.53	-13	-41.53	H
5.723000	52.31	Pk	34.6	-95.2	-46.6	-54.89	-13	-41.89	V
7.630500	52.17	Pk	35.9	-95.2	-44.15	-51.28	-13	-38.28	H
7.630500	51.91	Pk	35.9	-95.2	-44.15	-51.54	-13	-38.54	V

REL 99 MODE, ANT 2

Date:	2025-03-18
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 2
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.703000	54.48	Pk	33.2	-95.2	-46.40	-53.92	-13	-40.92	H
3.706000	54.96	Pk	33.2	-95.2	-46.40	-53.44	-13	-40.44	V
5.553500	54.56	Pk	34.9	-95.2	-46.30	-52.04	-13	-39.04	H
5.554500	55.56	Pk	34.9	-95.2	-46.30	-51.04	-13	-38.04	V
7.411000	52.67	Pk	35.6	-95.2	-44.80	-51.73	-13	-38.73	H
7.412000	53.50	Pk	35.6	-95.2	-44.80	-50.90	-13	-37.90	V
Mid Channel, 1880MHz									
3.759500	55.91	Pk	33.3	-95.2	-46.35	-52.34	-13	-39.34	H
3.761000	54.92	Pk	33.3	-95.2	-46.40	-53.38	-13	-40.38	V
5.637500	54.26	Pk	34.9	-95.2	-46.15	-52.19	-13	-39.19	H
5.640000	53.86	Pk	34.9	-95.2	-46.20	-52.64	-13	-39.64	V
7.514000	53.41	Pk	35.7	-95.2	-45.10	-51.19	-13	-38.19	H
7.515000	52.01	Pk	35.7	-95.2	-45.10	-52.59	-13	-39.59	V
High Channel, 1907.6MHz									
3.822500	54.50	Pk	33.4	-95.2	-46.05	-53.35	-13	-40.35	H
3.818500	54.16	Pk	33.4	-95.2	-46.05	-53.69	-13	-40.69	V
5.716000	55.23	Pk	34.9	-95.2	-46.10	-51.17	-13	-38.17	H
5.715500	54.52	Pk	34.9	-95.2	-46.10	-51.88	-13	-38.88	V
7.629500	53.14	Pk	35.8	-95.2	-44.80	-51.06	-13	-38.06	H
7.630000	53.15	Pk	35.8	-95.2	-44.80	-51.05	-13	-38.05	V

REL 99 MODE, ANT 1

Date:	2025-03-18
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 2
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705000	54.32	Pk	33.2	-95.2	-46.40	-54.08	-13	-41.08	H
3.704000	54.61	Pk	33.2	-95.2	-46.30	-53.69	-13	-40.69	V
5.555500	54.70	Pk	34.9	-95.2	-46.30	-51.90	-13	-38.90	H
5.553500	54.25	Pk	34.9	-95.2	-46.30	-52.35	-13	-39.35	V
7.398000	52.96	Pk	35.6	-95.2	-44.90	-51.54	-13	-38.54	H
7.400000	53.40	Pk	35.6	-95.2	-44.90	-51.10	-13	-38.10	V
Mid Channel, 1880MHz									
3.759000	54.83	Pk	33.3	-95.2	-46.30	-53.37	-13	-40.37	H
3.759500	55.44	Pk	33.3	-95.2	-46.35	-52.81	-13	-39.81	V
5.642500	54.41	Pk	34.9	-95.2	-46.20	-52.09	-13	-39.09	H
5.642500	54.13	Pk	34.9	-95.2	-46.20	-52.37	-13	-39.37	V
7.512000	52.30	Pk	35.7	-95.2	-45.10	-52.30	-13	-39.30	H
7.513500	52.68	Pk	35.7	-95.2	-45.10	-51.92	-13	-38.92	V
High Channel, 1907.6MHz									
3.813000	55.08	Pk	33.4	-95.2	-46.10	-52.82	-13	-39.82	H
3.816000	54.32	Pk	33.4	-95.2	-46.00	-53.48	-13	-40.48	V
5.719500	55.49	Pk	34.9	-95.2	-46.05	-50.86	-13	-37.86	H
5.716000	55.00	Pk	34.9	-95.2	-46.10	-51.40	-13	-38.40	V
7.629000	53.05	Pk	35.7	-95.2	-44.80	-51.25	-13	-38.25	H
7.627500	52.68	Pk	35.7	-95.2	-44.70	-51.52	-13	-38.52	V

HSDPA MODE, ANT 3

Date:	2025-03-14
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 2
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.706000	54.85	Pk	33.2	-95.2	-46.40	-53.55	-13	-40.55	H
3.708000	55.42	Pk	33.2	-95.2	-46.40	-52.98	-13	-39.98	V
5.552500	54.63	Pk	34.9	-95.2	-46.35	-52.02	-13	-39.02	H
5.553500	54.46	Pk	34.9	-95.2	-46.30	-52.14	-13	-39.14	V
7.414000	53.53	Pk	35.6	-95.2	-44.90	-50.97	-13	-37.97	H
7.416000	51.90	Pk	35.6	-95.2	-44.80	-52.50	-13	-39.50	V
Mid Channel, 1880MHz									
3.761000	54.38	Pk	33.3	-95.2	-46.40	-53.92	-13	-40.92	H
3.761500	54.21	Pk	33.3	-95.2	-46.45	-54.14	-13	-41.14	V
5.642500	55.07	Pk	34.9	-95.2	-46.20	-51.43	-13	-38.43	H
5.642000	58.33	Pk	34.9	-95.2	-46.2	-48.17	-13	-35.17	V
7.519500	52.67	Pk	35.7	-95.2	-44.95	-51.78	-13	-38.78	H
7.518000	52.99	Pk	35.7	-95.2	-45.00	-51.51	-13	-38.51	V
High Channel, 1907.6MHz									
3.817500	54.67	Pk	33.4	-95.2	-46.00	-53.13	-13	-40.13	H
3.818000	54.64	Pk	33.4	-95.2	-46.00	-53.16	-13	-40.16	V
5.725500	54.81	Pk	34.9	-95.2	-46.05	-51.54	-13	-38.54	H
5.726733	64.46	Pk	34.9	-95.2	-46.10	-41.94	-13	-33.47	V
7.625000	52.91	Pk	35.7	-95.2	-44.80	-51.39	-13	-38.39	H
7.623500	52.53	Pk	35.7	-95.2	-44.80	-51.77	-13	-38.77	V

HSDPA MODE, ANT 4

Date:	2025-03-14
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 2
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.707000	53.92	Pk	33.2	-95.2	-46.40	-54.48	-13	-41.48	H
3.707500	54.18	Pk	33.2	-95.2	-46.40	-54.22	-13	-41.22	V
5.551000	54.91	Pk	34.9	-95.2	-46.50	-51.89	-13	-38.89	H
5.555500	54.82	Pk	34.9	-95.2	-46.30	-51.78	-13	-38.78	V
7.414000	53.52	Pk	35.6	-95.2	-44.90	-50.98	-13	-37.98	H
7.417500	52.73	Pk	35.6	-95.2	-44.75	-51.62	-13	-38.62	V
Mid Channel, 1880MHz									
3.753000	54.80	Pk	33.3	-95.2	-46.3	-53.40	-13	-40.40	H
3.756500	53.89	Pk	33.3	-95.2	-46.3	-54.31	-13	-41.31	V
5.641000	53.59	Pk	34.9	-95.2	-46.2	-52.91	-13	-39.91	H
5.641500	53.74	Pk	34.9	-95.2	-46.2	-52.76	-13	-39.76	V
7.513000	52.90	Pk	35.7	-95.2	-45.1	-51.70	-13	-38.70	H
7.514500	52.80	Pk	35.7	-95.2	-45.1	-51.80	-13	-38.80	V
High Channel, 1907.6MHz									
3.811000	54.46	Pk	33.4	-95.2	-46.00	-53.34	-13	-40.34	H
3.815000	53.77	Pk	33.4	-95.2	-46.00	-54.03	-13	-41.03	V
5.718000	54.96	Pk	34.9	-95.2	-46.10	-51.44	-13	-38.44	H
5.716000	54.64	Pk	34.9	-95.2	-46.10	-51.76	-13	-38.76	V
7.627000	53.40	Pk	35.7	-95.2	-44.70	-50.80	-13	-37.80	H
7.631000	54.29	Pk	35.8	-95.2	-44.90	-50.01	-13	-37.01	V

HSDPA MODE, ANT 2

Date:	2025-03-17
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 2
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.701500	55.27	Pk	33.2	-95.2	-46.30	-53.03	-13	-40.03	H
3.706000	54.92	Pk	33.2	-95.2	-46.40	-53.48	-13	-40.48	V
5.553500	54.94	Pk	34.9	-95.2	-46.30	-51.66	-13	-38.66	H
5.555500	53.67	Pk	34.9	-95.2	-46.30	-52.93	-13	-39.93	V
7.390500	54.97	Pk	35.6	-95.2	-44.70	-49.33	-13	-36.33	H
7.401500	53.90	Pk	35.6	-95.2	-44.90	-50.60	-13	-37.60	V
Mid Channel, 1880MHz									
3.763000	55.50	Pk	33.3	-95.2	-46.50	-52.90	-13	-39.90	H
3.759000	55.07	Pk	33.3	-95.2	-46.30	-53.13	-13	-40.13	V
5.638500	53.85	Pk	34.9	-95.2	-46.20	-52.65	-13	-39.65	H
5.642500	53.99	Pk	34.9	-95.2	-46.20	-52.51	-13	-39.51	V
7.524000	53.20	Pk	35.7	-95.2	-44.80	-51.10	-13	-38.10	H
7.527000	53.01	Pk	35.7	-95.2	-44.80	-51.29	-13	-38.29	V
High Channel, 1907.6MHz									
3.825000	54.82	Pk	33.4	-95.2	-46.10	-53.08	-13	-40.08	H
3.821500	54.89	Pk	33.4	-95.2	-46.10	-53.01	-13	-40.01	V
5.711000	55.06	Pk	34.9	-95.2	-46.10	-51.34	-13	-38.34	H
5.724000	54.78	Pk	34.9	-95.2	-46.00	-51.52	-13	-38.52	V
7.627500	53.68	Pk	35.7	-95.2	-44.70	-50.52	-13	-37.52	H
7.628500	55.02	Pk	35.7	-95.2	-44.75	-49.23	-13	-36.23	V

HSDPA MODE, ANT 1

Date:	2025-03-18
Test Engineer:	26051
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 2
Chamber #:	05-RDE-P

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.719000	56.48	Pk	33.2	-95.2	-46.40	-51.92	-13	-38.92	H
3.716000	55.90	Pk	33.2	-95.2	-46.50	-52.60	-13	-39.60	V
5.552000	55.02	Pk	34.9	-95.2	-46.40	-51.68	-13	-38.68	H
5.556500	55.57	Pk	34.9	-95.2	-46.25	-50.98	-13	-37.98	V
7.414500	54.66	Pk	35.6	-95.2	-44.85	-49.79	-13	-36.79	H
7.394000	53.92	Pk	35.6	-95.2	-44.70	-50.38	-13	-37.38	V
Mid Channel, 1880MHz									
3.747500	56.60	Pk	33.3	-95.2	-46.25	-51.55	-13	-38.55	H
3.759000	57.12	Pk	33.3	-95.2	-46.30	-51.08	-13	-38.08	V
5.650000	55.23	Pk	34.9	-95.2	-46.10	-51.17	-13	-38.17	H
5.641500	55.57	Pk	34.9	-95.2	-46.20	-50.93	-13	-37.93	V
7.515000	53.82	Pk	35.7	-95.2	-45.10	-50.78	-13	-37.78	H
7.509000	53.38	Pk	35.7	-95.2	-45.10	-51.22	-13	-38.22	V
High Channel, 1907.6MHz									
3.807000	55.41	Pk	33.4	-95.2	-46.00	-52.39	-13	-39.39	H
3.810500	55.15	Pk	33.4	-95.2	-46.05	-52.70	-13	-39.70	V
5.724000	54.43	Pk	34.9	-95.2	-46.00	-51.87	-13	-38.87	H
5.727500	54.62	Pk	34.9	-95.2	-46.10	-51.78	-13	-38.78	V
7.614500	53.33	Pk	35.7	-95.2	-44.75	-50.92	-13	-37.92	H
7.630500	54.34	Pk	35.8	-95.2	-44.85	-49.91	-13	-36.91	V

9.6.5. WCDMA BAND 4

REL 99 MODE, ANT 3

Date:	2025-03-13
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.421000	53.64	Pk	32.8	-95.2	-45.90	-54.66	-13	-41.66	H
3.423500	54.72	Pk	32.8	-95.2	-46.05	-53.73	-13	-40.73	V
5.133000	55.24	Pk	34.3	-95.2	-47.20	-52.86	-13	-39.86	H
5.130500	55.43	Pk	34.3	-95.2	-47.25	-52.72	-13	-39.72	V
6.849500	52.39	Pk	35.8	-95.2	-44.80	-51.81	-13	-38.81	H
6.849000	52.49	Pk	35.8	-95.2	-44.80	-51.71	-13	-38.71	V
Mid Channel, 1732.6MHz									
3.477000	54.28	Pk	32.9	-95.2	-46.30	-54.32	-13	-41.32	H
3.478000	54.61	Pk	32.9	-95.2	-46.20	-53.89	-13	-40.89	V
5.214500	54.16	Pk	34.5	-95.2	-47.10	-53.64	-13	-40.64	H
5.209500	55.01	Pk	34.5	-95.2	-47.05	-52.74	-13	-39.74	V
6.940000	52.68	Pk	35.8	-95.2	-44.30	-51.02	-13	-38.02	H
6.943000	52.26	Pk	35.8	-95.2	-44.20	-51.34	-13	-38.34	V
High Channel, 1752.6MHz									
3.512000	54.42	Pk	33	-95.2	-46.20	-53.98	-13	-40.98	H
3.512500	54.76	Pk	33	-95.2	-46.20	-53.64	-13	-40.64	V
5.256500	54.54	Pk	34.5	-95.2	-47.05	-53.21	-13	-40.21	H
5.256500	55.25	Pk	34.5	-95.2	-47.05	-52.50	-13	-39.50	V
7.000500	54.14	Pk	35.8	-95.2	-44.50	-49.76	-13	-36.76	H
7.004500	53.16	Pk	35.8	-95.2	-44.45	-50.69	-13	-37.69	V

REL 99 MODE, ANT 4

Date:	2025-03-17
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.420500	54.54	Pk	32.8	-95.2	-45.90	-53.76	-13	-40.76	H
3.420000	53.42	Pk	32.8	-95.2	-45.90	-54.88	-13	-41.88	V
5.143000	54.51	Pk	34.3	-95.2	-47.20	-53.59	-13	-40.59	H
5.139000	55.38	Pk	34.3	-95.2	-47.10	-52.62	-13	-39.62	V
6.846500	52.68	Pk	35.8	-95.2	-45.00	-51.72	-13	-38.72	H
6.848500	52.12	Pk	35.8	-95.2	-44.90	-52.18	-13	-39.18	V
Mid Channel, 1732.6MHz									
3.466500	54.20	Pk	32.9	-95.2	-46.05	-54.15	-13	-41.15	H
3.465000	53.53	Pk	32.9	-95.2	-46.00	-54.77	-13	-41.77	V
5.192000	54.80	Pk	34.4	-95.2	-46.90	-52.90	-13	-39.90	H
5.193000	54.35	Pk	34.4	-95.2	-46.90	-53.35	-13	-40.35	V
6.930500	52.58	Pk	35.8	-95.2	-44.75	-51.57	-13	-38.57	H
6.931000	52.64	Pk	35.8	-95.2	-44.80	-51.56	-13	-38.56	V
High Channel, 1752.6MHz									
3.507000	54.75	Pk	33	-95.2	-46.20	-53.65	-13	-40.65	H
3.508000	56.86	Pk	33	-95.2	-46.30	-51.64	-13	-38.64	V
5.255500	55.54	Pk	34.5	-95.2	-46.95	-52.11	-13	-39.11	H
5.255500	54.89	Pk	34.5	-95.2	-46.95	-52.76	-13	-39.76	V
7.011500	53.28	Pk	35.7	-95.2	-44.50	-50.72	-13	-37.72	H
7.015500	52.83	Pk	35.7	-95.2	-44.45	-51.12	-13	-38.12	V

REL 99 MODE, ANT 2

Date:	2025-03-17
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.429000	53.40	Pk	32.8	-95.2	-46.00	-55.00	-13	-42.00	H
3.428000	55.23	Pk	32.8	-95.2	-46.00	-53.17	-13	-40.17	V
5.134500	55.28	Pk	34.3	-95.2	-47.25	-52.87	-13	-39.87	H
5.134500	54.94	Pk	34.3	-95.2	-47.25	-53.21	-13	-40.21	V
6.846500	53.37	Pk	35.8	-95.2	-45.00	-51.03	-13	-38.03	H
6.845000	53.31	Pk	35.8	-95.2	-45.00	-51.09	-13	-38.09	V
Mid Channel, 1732.6MHz									
3.463500	53.90	Pk	32.9	-95.2	-46.05	-54.45	-13	-41.45	H
3.461500	53.51	Pk	32.9	-95.2	-46.10	-54.89	-13	-41.89	V
5.195500	54.43	Pk	34.4	-95.2	-46.85	-53.22	-13	-40.22	H
5.194500	55.79	Pk	34.4	-95.2	-46.90	-51.91	-13	-38.91	V
6.930500	53.00	Pk	35.8	-95.2	-44.75	-51.15	-13	-38.15	H
6.928500	54.01	Pk	35.8	-95.2	-44.80	-50.19	-13	-37.19	V
High Channel, 1752.6MHz									
3.505500	55.10	Pk	33	-95.2	-46.30	-53.40	-13	-40.40	H
3.508000	54.69	Pk	33	-95.2	-46.30	-53.81	-13	-40.81	V
5.257000	55.40	Pk	34.5	-95.2	-47.10	-52.40	-13	-39.40	H
5.254500	55.18	Pk	34.5	-95.2	-46.90	-52.42	-13	-39.42	V
7.014000	52.72	Pk	35.7	-95.2	-44.50	-51.28	-13	-38.28	H
7.012000	52.51	Pk	35.7	-95.2	-44.50	-51.49	-13	-38.49	V

REL 99 MODE, ANT 1

Date:	2025-03-18
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA REL 99 Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.431000	53.30	Pk	32.8	-95.2	-45.90	-55.00	-13	-42.00	H
3.427500	55.55	Pk	32.8	-95.2	-45.95	-52.80	-13	-39.80	V
5.131000	54.90	Pk	34.3	-95.2	-47.30	-53.30	-13	-40.30	H
5.131000	55.13	Pk	34.3	-95.2	-47.30	-53.07	-13	-40.07	V
6.849500	52.71	Pk	35.8	-95.2	-44.80	-51.49	-13	-38.49	H
6.846500	53.37	Pk	35.8	-95.2	-45.00	-51.03	-13	-38.03	V
Mid Channel, 1732.6MHz									
3.466000	53.95	Pk	32.9	-95.2	-46.00	-54.35	-13	-41.35	H
3.465500	54.24	Pk	32.9	-95.2	-46.00	-54.06	-13	-41.06	V
5.187500	54.99	Pk	34.4	-95.2	-47.10	-52.91	-13	-39.91	H
5.183500	55.42	Pk	34.4	-95.2	-46.95	-52.33	-13	-39.33	V
6.921000	53.68	Pk	35.8	-95.2	-44.80	-50.52	-13	-37.52	H
6.920000	53.35	Pk	35.8	-95.2	-44.80	-50.85	-13	-37.85	V
High Channel, 1752.6MHz									
3.494500	56.57	Pk	32.9	-95.2	-46.35	-52.08	-13	-39.08	H
3.500500	55.23	Pk	33	-95.2	-46.30	-53.27	-13	-40.27	V
5.253500	55.76	Pk	34.5	-95.2	-46.95	-51.89	-13	-38.89	H
5.266500	55.12	Pk	34.6	-95.2	-46.90	-52.38	-13	-39.38	V
7.020000	52.99	Pk	35.7	-95.2	-44.50	-51.01	-13	-38.01	H
7.027500	54.07	Pk	35.7	-95.2	-44.40	-49.83	-13	-36.83	V

HSDPA MODE, ANT 3

Date:	2025-06-19
Test Engineer:	32703
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 4
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	226673 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.425000	52.72	Pk	32.8	-95.2	-46.7	-56.38	-13	-43.38	H
3.425000	54.17	Pk	32.8	-95.2	-46.7	-54.93	-13	-41.93	V
5.139500	56.07	Pk	34.2	-95.2	-47.5	-52.43	-13	-39.43	H
5.139500	60.54	Pk	34.2	-95.2	-47.5	-47.96	-13	-34.96	V
6.849500	52.76	Pk	35.8	-95.2	-44.8	-51.44	-13	-38.44	H
6.849500	51.60	Pk	35.8	-95.2	-44.8	-52.60	-13	-39.60	V
Mid Channel, 1732.6MHz									
3.465000	53.61	Pk	32.9	-95.2	-46.7	-55.39	-13	-42.39	H
3.465000	53.98	Pk	32.9	-95.2	-46.7	-55.02	-13	-42.02	V
5.198500	55.73	Pk	34.3	-95.2	-47.4	-52.57	-13	-39.57	H
5.198500	59.63	Pk	34.3	-95.2	-47.4	-48.67	-13	-35.67	V
6.930500	52.57	Pk	35.8	-95.2	-46.1	-52.93	-13	-39.93	H
6.930500	53.21	Pk	35.8	-95.2	-46.1	-52.29	-13	-39.29	V
High Channel, 1752.6MHz									
3.505500	52.74	Pk	32.9	-95.2	-46.55	-56.11	-13	-43.11	H
3.505500	54.09	Pk	32.9	-95.2	-46.55	-54.76	-13	-41.76	V
5.254500	54.41	Pk	34.5	-95.2	-47.6	-53.89	-13	-40.89	H
5.254500	59.31	Pk	34.5	-95.2	-47.6	-48.99	-13	-35.99	V
7.010500	52.41	Pk	35.8	-95.2	-45.85	-52.84	-13	-39.84	H
7.010500	53.33	Pk	35.8	-95.2	-45.85	-51.92	-13	-38.92	V

HSDPA MODE, ANT 4

Date:	2025-03-17
Test Engineer:	25196
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.426500	53.92	Pk	32.8	-95.2	-45.90	-54.38	-13	-41.38	H
3.426000	53.82	Pk	32.8	-95.2	-45.90	-54.48	-13	-41.48	V
5.134500	54.34	Pk	34.3	-95.2	-47.25	-53.81	-13	-40.81	H
5.134500	54.95	Pk	34.3	-95.2	-47.25	-53.2	-13	-40.20	V
6.845000	53.20	Pk	35.8	-95.2	-45.00	-51.2	-13	-38.20	H
6.845000	53.62	Pk	35.8	-95.2	-45.00	-50.78	-13	-37.78	V
Mid Channel, 1732.6MHz									
3.471500	54.35	Pk	32.9	-95.2	-46.10	-54.05	-13	-41.05	H
3.471000	53.89	Pk	32.9	-95.2	-46.10	-54.51	-13	-41.51	V
5.194500	55.16	Pk	34.4	-95.2	-46.90	-52.54	-13	-39.54	H
5.196000	55.20	Pk	34.4	-95.2	-46.80	-52.40	-13	-39.40	V
6.927500	51.57	Pk	35.8	-95.2	-44.80	-52.63	-13	-39.63	H
6.928000	52.71	Pk	35.8	-95.2	-44.80	-51.49	-13	-38.49	V
High Channel, 1752.6MHz									
3.495500	56.03	Pk	33	-95.2	-46.30	-52.47	-13	-39.47	H
3.518000	54.91	Pk	33	-95.2	-46.00	-53.29	-13	-40.29	V
5.250500	56.52	Pk	34.5	-95.2	-47.05	-51.23	-13	-38.23	H
5.253500	55.33	Pk	34.5	-95.2	-46.95	-52.32	-13	-39.32	V
7.012500	52.79	Pk	35.7	-95.2	-44.50	-51.21	-13	-38.21	H
7.003000	54.40	Pk	35.8	-95.2	-44.50	-49.50	-13	-36.50	V

HSDPA MODE, ANT 2

Date:	2025-03-17
Test Engineer:	26051
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.433500	54.92	Pk	32.8	-95.2	-46.05	-53.53	-13	-40.53	H
3.414500	56.19	Pk	32.8	-95.2	-45.95	-52.16	-13	-39.16	V
5.141000	55.37	Pk	34.3	-95.2	-47.10	-52.63	-13	-39.63	H
5.148500	55.93	Pk	34.4	-95.2	-47.35	-52.22	-13	-39.22	V
6.831500	54.32	Pk	35.8	-95.2	-45.10	-50.18	-13	-37.18	H
6.835000	53.74	Pk	35.8	-95.2	-45.00	-50.66	-13	-37.66	V
Mid Channel, 1732.6MHz									
3.449500	55.02	Pk	32.8	-95.2	-46.10	-53.48	-13	-40.48	H
3.463500	54.25	Pk	32.9	-95.2	-46.05	-54.10	-13	-41.10	V
5.190000	55.21	Pk	34.4	-95.2	-46.90	-52.49	-13	-39.49	H
5.202000	55.48	Pk	34.4	-95.2	-47.00	-52.32	-13	-39.32	V
7.550500	54.17	Pk	35.7	-95.2	-44.75	-50.08	-13	-37.08	H
7.572000	53.81	Pk	35.7	-95.2	-44.80	-50.49	-13	-37.49	V
High Channel, 1752.6MHz									
3.501500	56.06	Pk	33	-95.2	-46.30	-52.44	-13	-39.44	H
3.506500	55.40	Pk	33	-95.2	-46.25	-53.05	-13	-40.05	V
5.261000	55.39	Pk	34.6	-95.2	-47.10	-52.31	-13	-39.31	H
5.245000	55.37	Pk	34.5	-95.2	-47.00	-52.33	-13	-39.33	V
7.007500	53.42	Pk	35.7	-95.2	-44.50	-50.58	-13	-37.58	H
7.016000	53.22	Pk	35.7	-95.2	-44.40	-50.68	-13	-37.68	V

HSDPA MODE, ANT 1

Date:	2025-03-18
Test Engineer:	26051
Configuration:	EUT Only
Mode:	WCDMA HSDPA Band 4
Chamber #:	05-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	80403 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.401500	54.08	Pk	32.8	-95.2	-45.95	-54.27	-13	-41.27	H
3.420000	54.04	Pk	32.8	-95.2	-45.90	-54.26	-13	-41.26	V
5.145000	55.19	Pk	34.4	-95.2	-47.30	-52.91	-13	-39.91	H
5.135000	56.93	Pk	34.3	-95.2	-47.30	-51.27	-13	-38.27	V
6.848500	53.31	Pk	35.8	-95.2	-44.90	-50.99	-13	-37.99	H
6.850500	53.86	Pk	35.8	-95.2	-44.80	-50.34	-13	-37.34	V
Mid Channel, 1732.6MHz									
3.465500	54.36	Pk	32.9	-95.2	-46.00	-53.94	-13	-40.94	H
3.475500	54.82	Pk	32.9	-95.2	-46.25	-53.73	-13	-40.73	V
5.192500	54.81	Pk	34.4	-95.2	-46.90	-52.89	-13	-39.89	H
5.193000	55.23	Pk	34.4	-95.2	-46.90	-52.47	-13	-39.47	V
6.933000	53.07	Pk	35.8	-95.2	-44.70	-51.03	-13	-38.03	H
6.931000	53.64	Pk	35.8	-95.2	-44.80	-50.56	-13	-37.56	V
High Channel, 1752.6MHz									
3.495500	55.99	Pk	33.0	-95.2	-46.30	-52.51	-13	-39.51	H
3.503500	55.77	Pk	33.0	-95.2	-46.30	-52.73	-13	-39.73	V
5.247500	55.75	Pk	34.5	-95.2	-47.00	-51.95	-13	-38.95	H
5.260500	55.23	Pk	34.6	-95.2	-47.05	-52.42	-13	-39.42	V
7.015500	54.65	Pk	35.7	-95.2	-44.45	-49.30	-13	-36.30	H
7.006000	54.65	Pk	35.7	-95.2	-44.50	-49.35	-13	-36.35	V

10. SETUP PHOTOS

Refer to 15496224-EP1 for setup photos.

END OF REPORT