

TEST REPORT

Report Number: 15496282-E21V4

Applicant : APPLE, INC
1 APPLE PARK WAY
CUPERTINO, CA 95014, USA

Model : A3260

Brand : APPLE

FCC ID : BCG-E8948A

IC : 579C-E8948A

EUT Description : SMARTPHONE

Test Standard(s) : 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

Date Of Issue:
2025-08-22

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Revision History

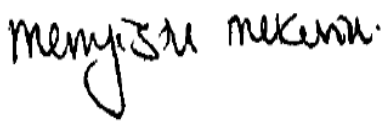
Rev.	Issue Date	Revisions	Revised By
V1	2025-07-23	Initial Review	--
V2	2025-07-25	Address TCB feedback on Cover page, section 10.1.3, and Updated Section 2 for SCS Requirement	Tewodros Woldemichael/ Mengistu Mekuria
V3	2025-08-21	Updated Section 6.2 and 6.4	Michael Vang
V4	2025-08-22	Updated Section 10	Eric Ting

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1. ATTESTATION OF TEST RESULTS

Applicant Name and Address	APPLE, INC 1 APPLE PARK WAY CUPERTINO, CA 95014, USA	
Model	A3260	
Brand	APPLE	
FCC ID	BCG-E8948A	
IC	579C-E8948A	
EUT Description	SMARTPHONE	
Serial Number	RADIATED: MCF6WD23L5, FN7Q7DTPXJ, WG3N7QFT9G, CONDUCTED: C07HF9000GC0000YGG, C07HGGJ001620000YGG, C07HF9000KW0000YGG,	
Sample Receipt Date	2025-02-10	
Date Tested	2025-03-12 to 2025-06-24	
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:
		
Mengistu Mekuria Staff Laboratory Engineer UL Verification Services Inc.	Tewodros Woldemichael Laboratory Engineer UL Verification Services Inc	Michael Vang 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 (ANT 2)									
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	-6.10	7.0	7.0	25.25	0.335	246.31	246KGXW
	EGPRS	27.00				18.75	0.075	244.60	245KG7W
Part 24 / RSS 133 (ANT 2)									
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	-1.50	2.0	30.50	1.122	241.78	242KGXW	
	EGPRS	27.00			25.50	0.355	256.20	256KG7W	

WCDMA MODE

Part 22 / RSS 132 Band 5 (ANT 2)										
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	-6.10	7.0	7.0	17.45	0.056	4.0838	4083.8	4M08F9W
	HSDPA	25.68				17.43	0.055	4.0734	4073.4	4M07F9W
Part 24 / RSS 133 Band 2 (ANT 4)										
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	25.20	-0.90	2.0	24.30	0.269	4.0670	4067.0	4M07F9W	
	HSDPA	25.14			24.24	0.265	4.0605	4060.5	4M06F9W	
Part 27 / RSS 139 Band 4 (ANT 4)										
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	-1.00	1.0	24.70	0.295	4.0647	4064.7	4M06F9W	
	HSDPA	25.69			24.69	0.294	4.0826	4082.6	4M08F9W	

6.3. SOFTWARE AND FIRMWARE

The EUT firmware installed during testing was version 1.50.69.

6.4. MAXIMUM ANTENNA GAIN AND MAXIMUM ALLOWED OUTPUT POWER

The 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	-6.20	33.5	25.15
		ANT2	-6.10	33.5	25.25
		ANT1			
		ANT4			
GSM1900	1850 - 1910	ANT3	-3.10	32.0	28.90
		ANT2	-1.50	32.0	30.50
		ANT1	-2.70	30.5	27.80
		ANT4	-0.90	30.5	29.60
WCDMA 5	824 - 849	ANT3	-6.20	25.7	17.35
		ANT2	-6.10	25.7	17.45
		ANT1			
		ANT4			
WCDMA 2	1850 - 1910	ANT3	-3.10	25.7	22.60
		ANT2	-1.50	25.7	24.20
		ANT1	-2.70	25.2	22.50
		ANT4	-0.90	25.2	24.30
WCDMA 4	1710 - 1755	ANT3	-3.50	25.7	22.20
		ANT2	-1.40	25.7	24.30
		ANT1	-2.80	25.7	22.90
		ANT4	-1.00	25.7	24.70

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	ANT2	ANT1	ANT4
824 – 849	X	X	Y	X
1710 – 1915	X	X	X	X

Based on average conducted output power measurement investigations. The worst-case is Ant 2 with the highest power. Therefore, Ant 2 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 were utilized for the tests documented in this report:

TEST EQUIPMENT LIST				
Description	Manufacturer	Model	Asset	Cal Due
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	85723	2026-02-28
Wideband Communication Test Set, Call Box	R&S GmbH & Co.	CMW500	230297	2026-02-28
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	169936	2026-02-28
Antenna, Horn 1-18GHz	ETS Lindgren	3117	200897	2026-04-30
RF Filter Box, 1-18GHz, 12 Port	UL-FR1	Frankenstein	217255	2026-01-31
EMI TEST RECEIVER	Rohde & Schwarz	ESW44	223460	2026-02-28
RF Filter Box, 1-18GHz, 17 Port	UL-FR1	RATS 2	236726	2025-10-31
Antenna, Horn 1-18GHz	ETS Lindgren	3117	80403	2026-08-31
Antenna, Broadband Hybrid, 30MHz to 3GHz	Sunol Sciences Corp.	JB3	171863	2026-11-30
Amplifier 9 KHz - 1 GHz	SONOMA INSTRUMENT	310N	224490	2026-05-06
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
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262735	2026-03-30
PXA Signal Analyzer	Keysight Technologies Inc	N9030B	262734	2026-04-30
PXA Signal Analyzer	Agilent Technologies Inc	N9030A	87738	2026-01-16
Wideband Communication Test Set, Call Box	Rohde & Schwarz	CMW500	230298	2026-02-28
Wideband Communication Test Set, Call Box	Rohde & Schwarz	CMW500	222793	2026-02-28
Conducted Switch Box	N/A	CSB	227264	2026-03-31
Conducted Switch Box	N/A	CSB	262286	2026-04-30
Conducted Switch Box	N/A	CSB	262288	2026-04-30
Conducted Switch Box	N/A	CSB	263817	2026-05-31
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 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	2025-10-31
Chamber, Environmental	Cincinnati Sub Zero	ZPHS-8-3.5-SCT/WC	82472	2025-08-31
UL AUTOMATION SOFTWARE				
Conducted Software	UL	CLT	Ver.2023.11.21.0 & 2024.3.20.0 & 2022.7.6.0 & 2023.6.21	
Conducted Software	UL	Power Measurement	Ver.2023.8.14 & 2022.4.29 & 2023.6.8	
Conducted Software	UL	Antenna Port	Ver.2022.8.16 & 2021.5.13	
Conducted Software	UL	Station Tool	Ver. 5.0 & 5.3 & 6.0 & 6.1	
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:	12482	Test Date:	2025-06-23
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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	33.37	33.50
			190	836.6	33.35	33.34
			251	848.8	33.37	33.25
		2	128	824.2	32.17	32.36
			190	836.6	32.16	32.23
			251	848.8	32.19	32.12
EGPRS (8PSK)	MCS5	1	128	824.2	27.00	27.00
			190	836.6	26.96	26.89
			251	848.8	26.94	26.92
		2	128	824.2	25.99	25.97
			190	836.6	25.76	25.98
			251	848.8	25.93	25.91

8.1.2. GSM 1900

Test Engineer ID:	12482	Test Date:	2025-06-24
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Mode	Coding Scheme	Time Slots	Ch No.	Freq. (MHz)	Conducted Average Power (dBm)			
					ANT 3	ANT 2	ANT 1	ANT 4
GPRS (GMSK)	CS1	1	512	1850.2	32.00	32.00	30.50	30.46
			661	1880	31.76	30.58	30.42	30.33
			810	1909.8	31.70	30.49	30.29	30.16
		2	512	1850.2	30.93	30.87	29.41	29.40
			661	1880	30.71	29.45	29.34	29.25
			810	1909.8	30.64	29.44	29.21	29.09
EGPRS (8PSK)	MCS5	1	512	1850.2	27.00	27.00	25.50	25.48
			661	1880	26.89	26.41	25.43	25.50
			810	1909.8	26.78	26.98	25.27	25.34
		2	512	1850.2	25.93	26.00	24.49	24.47
			661	1880	25.89	25.40	24.42	24.48
			810	1909.8	25.78	25.98	24.26	24.31

8.2. WCDMA

8.2.1. WCDMA BAND 5

Test Engineer ID:	32546	Test Date:	2025-06-23
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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	25.63	25.62
			4183	836.6	N/A	25.70	25.70
			4233	846.6	N/A	25.55	25.69
	HSDPA	Subtest 1	4132	826.4	0	25.58	25.61
			4183	836.6	0	25.67	25.68
			4233	846.6	0	25.53	25.66
		Subtest 2	4132	826.4	0	25.24	25.31
			4183	836.6	0	25.26	25.44
			4233	846.6	0	25.13	25.41
		Subtest 3	4132	826.4	0.5	24.95	25.00
			4183	836.6	0.5	24.94	25.16
			4233	846.6	0.5	24.83	25.10
		Subtest 4	4132	826.4	0.5	24.67	24.80
			4183	836.6	0.5	24.70	24.90
			4233	846.6	0.5	24.56	24.84
	HSPA (HSDPA & HSUPA)	Subtest 1	4132	826.4	0	23.62	23.68
			4183	836.6	0	23.67	23.71
			4233	846.6	0	23.46	23.69
		Subtest 2	4132	826.4	2	23.01	22.89
			4183	836.6	2	22.94	22.88
			4233	846.6	2	22.75	22.84
		Subtest 3	4132	826.4	1	23.59	23.80
			4183	836.6	1	23.66	23.70
			4233	846.6	1	23.51	23.71
		Subtest 4	4132	826.4	2	23.45	23.66
			4183	836.6	2	23.33	23.64
			4233	846.6	2	23.31	23.61
		Subtest 5	4132	826.4	0	25.15	25.10
			4183	836.6	0	25.09	25.12
			4233	846.6	0	24.91	25.13
	DC-HSDPA	Subtest 1	4132	826.4	0	25.60	25.57
			4183	836.6	0	25.62	25.66
			4233	846.6	0	25.36	25.62
		Subtest 2	4132	826.4	0	25.23	25.32
			4183	836.6	0	25.34	25.42
			4233	846.6	0	25.13	25.43
		Subtest 3	4132	826.4	0.5	24.97	25.00
			4183	836.6	0.5	24.94	25.11
			4233	846.6	0.5	24.85	25.13
		Subtest 4	4132	826.4	0.5	24.71	24.75
			4183	836.6	0.5	24.74	24.85
			4233	846.6	0.5	24.58	24.86

8.2.2. WCDMA BAND 2

Test Engineer ID:	32546	Test Date:	2025-06-23
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Band	Mode		UL Ch No.	Freq. (MHz)	MPR (dB)	Conducted Average Power (dBm)			
						ANT 3	ANT 2	ANT 1	ANT 4
W-CDMA Band 2 (1900MHz)	Rel 99	RMC, 12.2 kbps	9262	1852.4	N/A	25.39	25.66	25.20	25.20
			9400	1880.0	N/A	25.70	25.70	25.10	25.05
			9538	1907.6	N/A	25.47	25.69	25.02	25.02
	HSDPA	Subtest 1	9262	1852.4	0	25.37	25.47	25.19	25.14
			9400	1880.0	0	25.69	25.70	25.01	25.02
			9538	1907.6	0	25.44	25.06	24.92	24.98
		Subtest 2	9262	1852.4	0	24.94	25.07	24.91	24.87
			9400	1880.0	0	25.38	25.32	24.74	24.73
			9538	1907.6	0	25.08	24.75	24.62	24.71
		Subtest 3	9262	1852.4	0.5	24.64	24.78	24.63	24.60
			9400	1880.0	0.5	25.09	25.02	24.52	24.45
			9538	1907.6	0.5	24.77	24.50	24.41	24.41
		Subtest 4	9262	1852.4	0.5	24.39	24.51	24.35	24.35
			9400	1880.0	0.5	24.79	24.72	24.22	24.20
			9538	1907.6	0.5	24.48	24.94	24.15	24.24
	HSPA (HSDPA & HSUPA)	Subtest 1	9262	1852.4	0	22.81	24.19	23.69	23.16
			9400	1880.0	0	23.06	24.15	23.69	23.15
			9538	1907.6	0	22.75	24.35	23.65	23.15
		Subtest 2	9262	1852.4	2	22.33	23.88	22.96	22.62
			9400	1880.0	2	22.43	23.91	22.99	22.50
			9538	1907.6	2	22.08	24.02	22.96	22.48
		Subtest 3	9262	1852.4	1	22.75	24.71	24.19	23.35
			9400	1880.0	1	23.09	24.64	24.19	23.15
			9538	1907.6	1	22.80	24.93	24.21	23.12
		Subtest 4	9262	1852.4	2	22.81	24.71	23.23	22.85
			9400	1880.0	2	23.15	24.76	23.36	22.86
			9538	1907.6	2	22.83	24.81	23.32	22.84
		Subtest 5	9262	1852.4	0	24.75	25.13	24.96	24.49
			9400	1880.0	0	25.11	25.07	25.00	24.50
			9538	1907.6	0	24.88	25.26	25.01	24.49
	DC-HSDPA	Subtest 1	9262	1852.4	0	25.32	25.63	25.11	25.13
			9400	1880.0	0	25.62	25.60	24.99	25.05
			9538	1907.6	0	25.44	25.64	24.93	25.03
		Subtest 2	9262	1852.4	0	24.95	25.32	24.90	24.86
			9400	1880.0	0	25.38	25.32	24.78	24.76
			9538	1907.6	0	25.08	25.52	24.68	24.76
		Subtest 3	9262	1852.4	0.5	24.66	25.00	24.63	24.61
			9400	1880.0	0.5	25.11	24.99	24.47	24.49
			9538	1907.6	0.5	24.76	25.23	24.39	24.47
		Subtest 4	9262	1852.4	0.5	24.39	24.78	24.32	24.33
			9400	1880.0	0.5	24.81	24.70	24.21	24.21
			9538	1907.6	0.5	24.50	24.93	24.16	24.26

8.2.3. WCDMA BAND 4

Test Engineer ID:	32546	Test Date:	2025-06-23
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Band	Mode		UL Ch No.	Freq. (MHz)	MPR (dB)	Conducted Average Power (dBm)			
						ANT 3	ANT 2	ANT 1	ANT 4
W-CDMA Band 4 (1700MHz)	Rel 99	RMC, 12.2 kbps	1312	1712.4	N/A	25.62	25.35	25.55	25.63
			1413	1732.6	N/A	25.70	25.55	25.70	25.69
			1513	1752.6	N/A	25.58	25.70	25.63	25.70
	HSDPA	Subtest 1	1312	1712.4	0	25.60	24.87	25.53	25.51
			1413	1732.6	0	25.65	25.55	25.69	25.68
			1513	1752.6	0	25.58	25.67	25.61	25.69
		Subtest 2	1312	1712.4	0	25.25	24.48	25.17	25.18
			1413	1732.6	0	25.34	25.21	25.41	25.35
			1513	1752.6	0	25.31	25.39	25.23	25.37
		Subtest 3	1312	1712.4	0.5	24.99	24.22	24.91	24.90
			1413	1732.6	0.5	25.07	24.90	25.15	25.03
			1513	1752.6	0.5	25.00	25.12	24.99	25.06
		Subtest 4	1312	1712.4	0.5	24.73	23.93	24.62	24.63
			1413	1732.6	0.5	24.80	24.62	24.89	24.79
			1513	1752.6	0.5	24.73	24.84	24.70	24.76
	HSPA (HSDPA & HSUPA)	Subtest 1	1312	1712.4	0	23.45	23.47	23.76	23.19
			1413	1732.6	0	23.85	23.93	23.81	23.52
			1513	1752.6	0	23.54	24.06	23.82	23.50
		Subtest 2	1312	1712.4	2	22.83	22.46	23.68	22.52
			1413	1732.6	2	23.20	23.08	23.75	22.87
			1513	1752.6	2	22.83	23.35	23.68	22.87
		Subtest 3	1312	1712.4	1	23.46	23.42	23.91	23.59
			1413	1732.6	1	23.92	24.03	23.91	23.57
			1513	1752.6	1	23.51	24.16	23.91	23.55
		Subtest 4	1312	1712.4	2	23.41	22.64	23.65	23.45
			1413	1732.6	2	24.03	23.38	23.68	23.40
			1513	1752.6	2	23.34	23.51	23.70	23.43
		Subtest 5	1312	1712.4	0	23.41	24.42	25.51	24.90
			1413	1732.6	0	23.98	24.99	25.52	25.22
			1513	1752.6	0	23.39	25.20	25.50	25.27
	DC-HSDPA	Subtest 1	1312	1712.4	0	25.66	24.84	25.55	25.52
			1413	1732.6	0	25.68	25.55	25.55	25.65
			1513	1752.6	0	25.59	25.65	25.65	25.66
		Subtest 2	1312	1712.4	0	25.30	24.48	25.26	25.18
			1413	1732.6	0	25.39	25.20	25.38	25.36
			1513	1752.6	0	25.25	25.34	25.26	25.37
		Subtest 3	1312	1712.4	0.5	25.01	24.19	24.95	24.92
			1413	1732.6	0.5	25.10	24.90	25.18	25.05
			1513	1752.6	0.5	25.04	25.12	25.01	25.05
		Subtest 4	1312	1712.4	0.5	24.76	23.91	24.65	24.66
			1413	1732.6	0.5	24.84	24.61	24.92	24.81
			1513	1752.6	0.5	24.75	24.83	24.70	24.78

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 were also measured and recorded.

RESULTS

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

GSM

Band	Modulation	f(MHz)	99% BW (kHz)	-26dB BW (kHz)
850	GPRS	836.6	246.31	311.5
	EGPRS		244.60	315.7
1900	GPRS	1880.0	241.78	315.1
	EGPRS		256.20	324.0

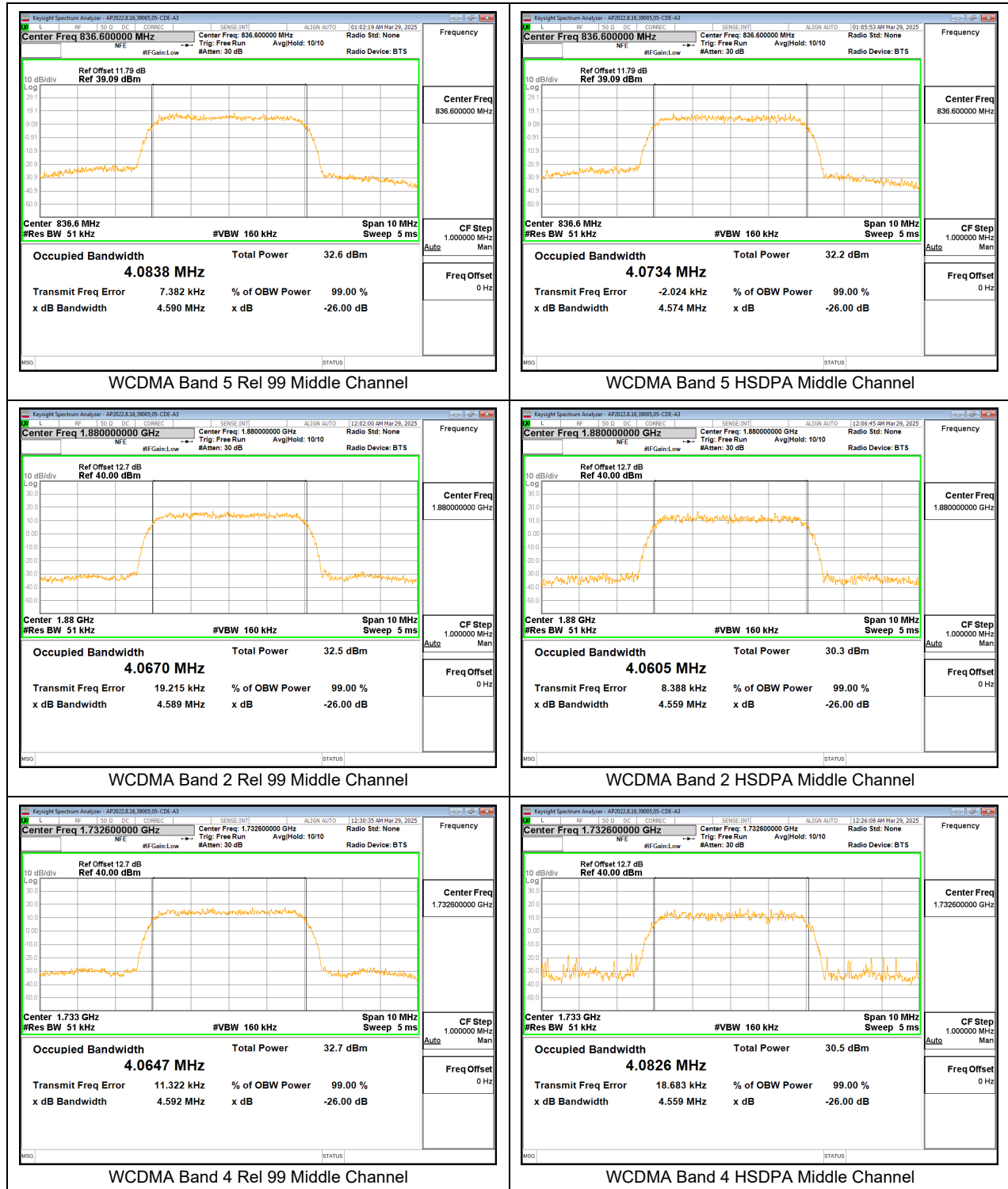
WCDMA

Band	Modulation	f(MHz)	99% BW (MHz)	-26dB BW (MHz)
BAND 5	REL 99	836.6	4.0838	4.590
	HSDPA		4.0734	4.574
BAND 2	REL 99	1880.0	4.0670	4.589
	HSDPA		4.0605	4.559
BAND 4	REL 99	1732.6	4.0647	4.592
	HSDPA		4.0826	4.559

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.

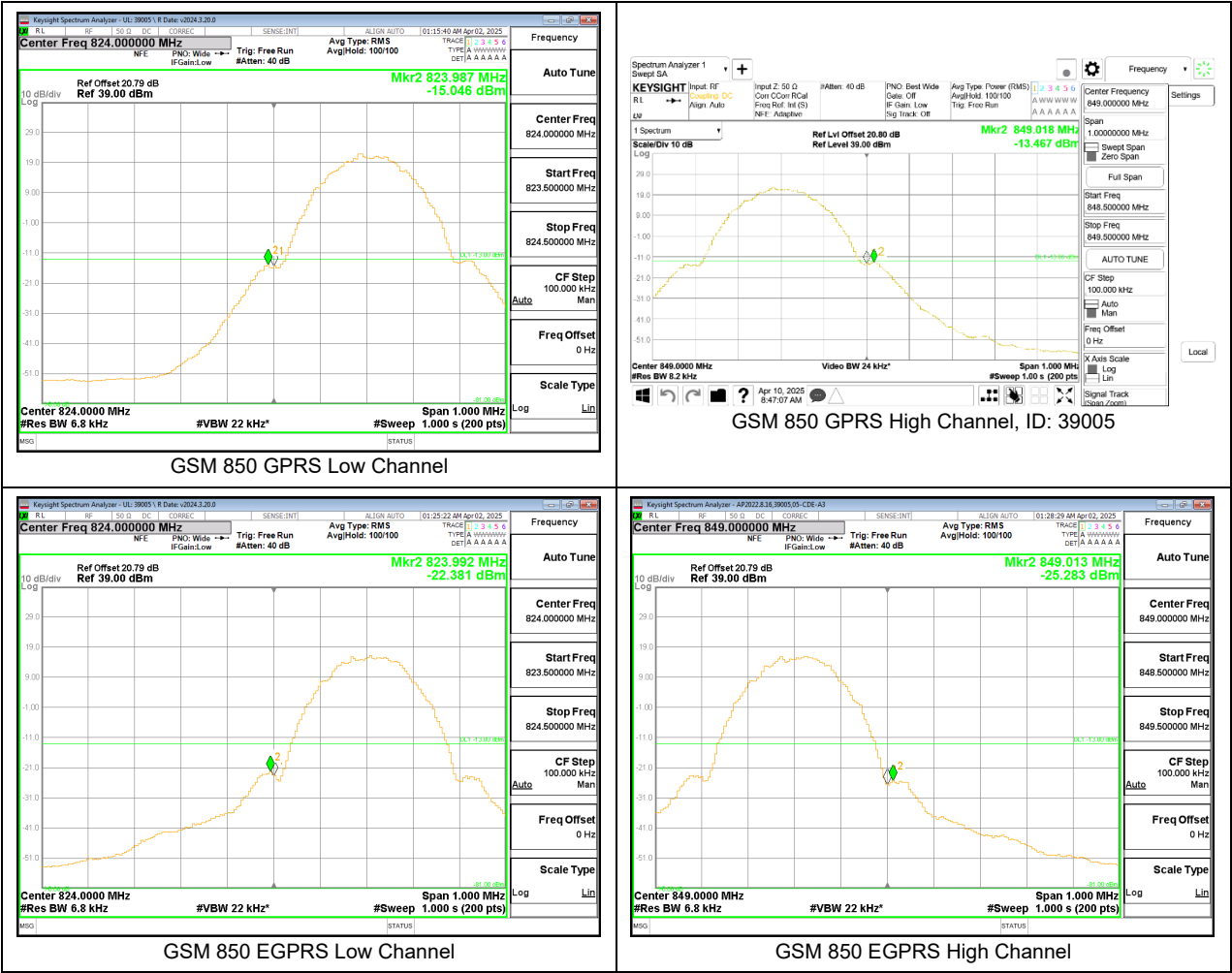
TEST PROCEDURE

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.

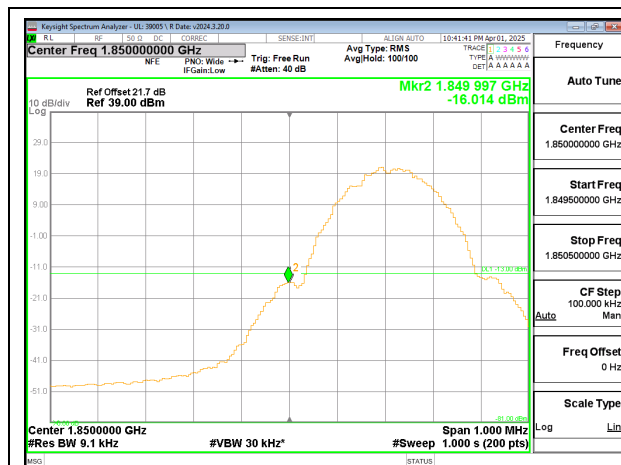
For each band edge measurement:

- 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.

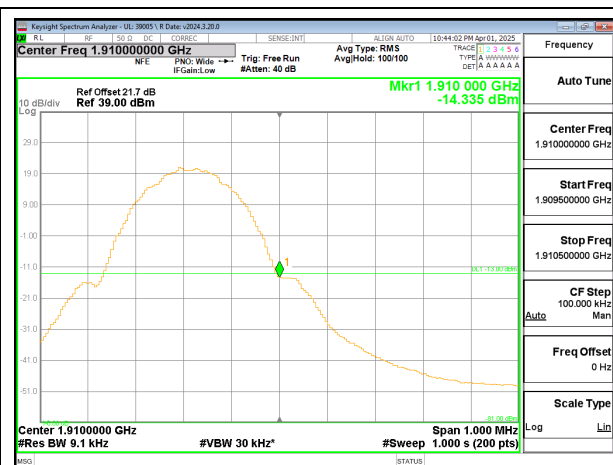
RESULTS



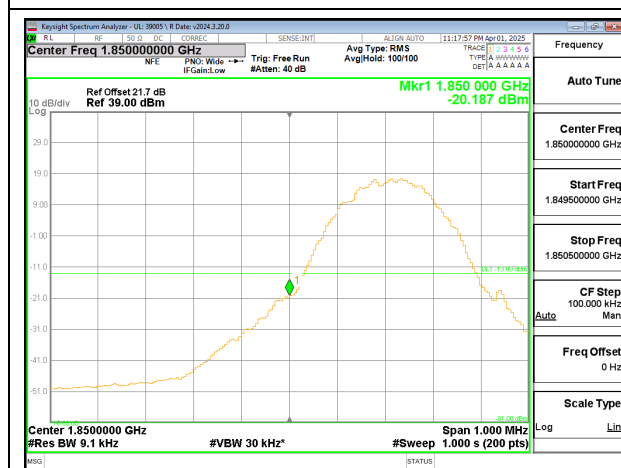
9.2.2. GSM 1900



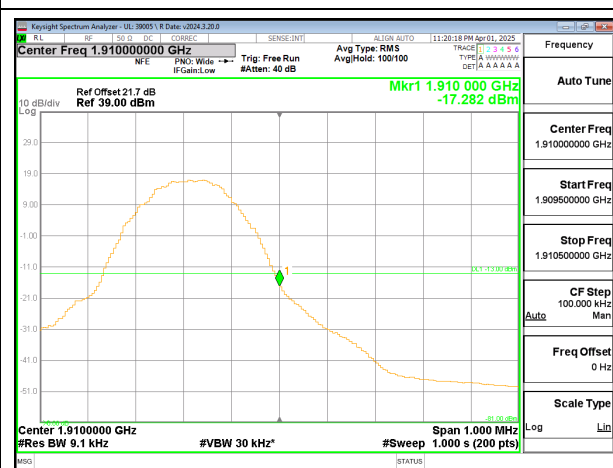
GSM 1900 GPRS Low Channel



GSM 1900 GPRS High Channel



GSM 1900 EGPRS Low Channel



GSM 1900 EGPRS High Channel

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

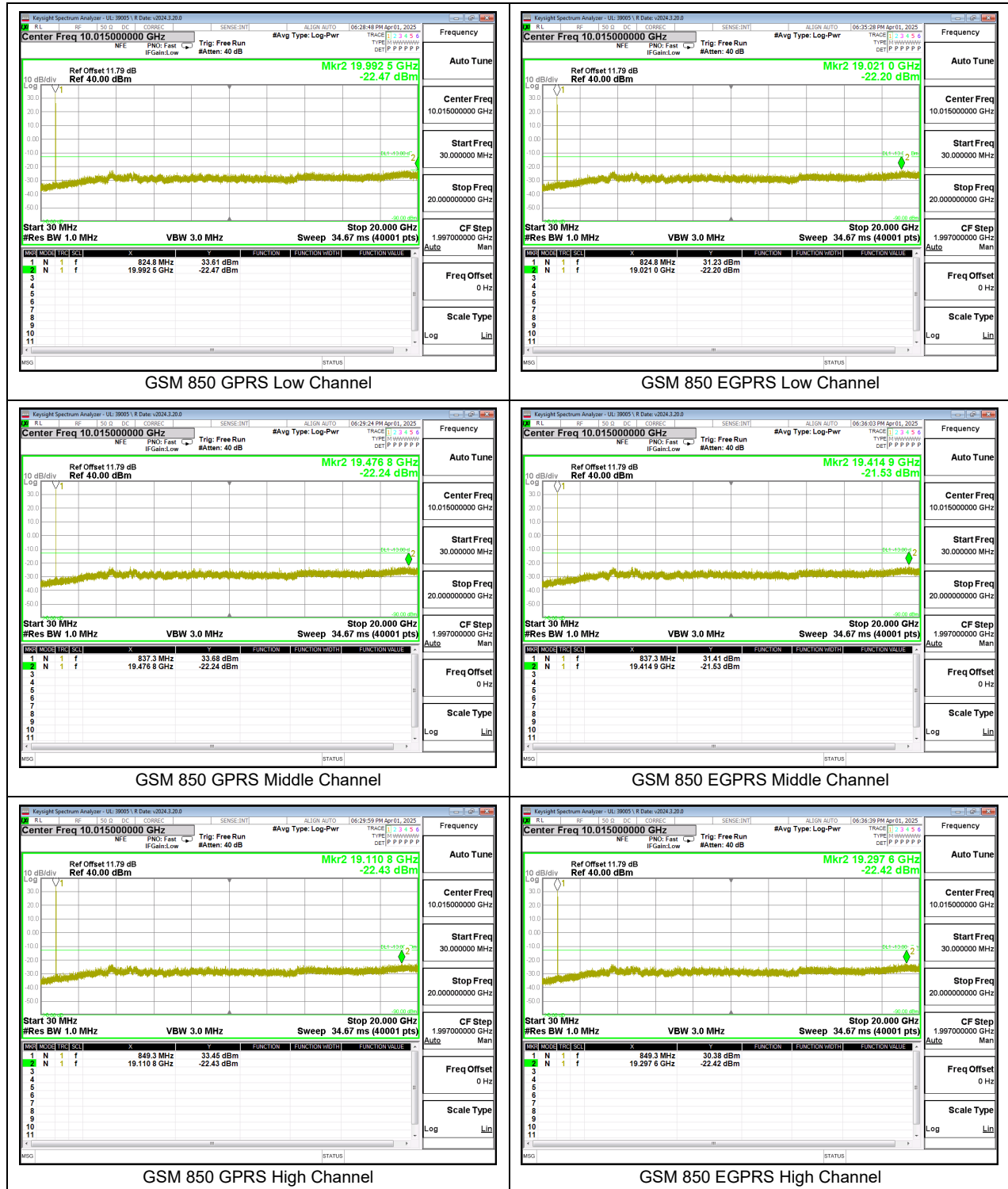
The RF output of the transmitter was connected to a spectrum analyzer through a calibrated coaxial cable. Sufficient scans were taken to show the out-of-band Emissions, if any, up to 10th harmonic. Multiple sweeps were recorded in maximum hold mode using a peak detector to ensure that the worst-case 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:	32546	Test Date:	2025-05-05
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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	824.0165	848.9740			
Extreme (50°C)		824.0166	848.9740	30.0	0.036	Yes
Extreme (40°C)		824.0166	848.9740	30.0	0.036	Yes
Extreme (30°C)		824.0166	848.9740	25.7	0.031	Yes
Extreme (10°C)		824.0166	848.9740	25.2	0.030	Yes
Extreme (0°C)		824.0166	848.9740	26.8	0.032	Yes
Extreme (-10°C)		824.0166	848.9740	25.8	0.031	Yes
Extreme (-20°C)		824.0166	848.9740	24.9	0.030	Yes
Extreme (-30°C)		824.0166	848.9740	21.2	0.025	Yes
20°C	15%	824.0166	848.9740	25.7	0.031	Yes
	-15%	824.0166	848.9740	32.0	0.038	Yes
	End Point Voltage	824.0166	848.9740	23.6	0.028	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	1850.2000	1909.8000			
Extreme (50°C)		1850.2000	1909.8000	45.3	0.024	Yes
Extreme (40°C)		1850.2000	1909.8000	28.9	0.015	Yes
Extreme (30°C)		1850.2000	1909.8000	39.8	0.021	Yes
Extreme (10°C)		1850.2000	1909.8000	34.1	0.018	Yes
Extreme (0°C)		1850.2000	1909.8000	34.5	0.018	Yes
Extreme (-10°C)		1850.2000	1909.8000	30.5	0.016	Yes
Extreme (-20°C)		1850.2000	1909.8000	30.0	0.016	Yes
Extreme (-30°C)		1850.2000	1909.8000	27.8	0.015	Yes
20°C	15%	1850.2000	1909.8000	30.5	0.016	Yes
	-15%	1850.2000	1909.8000	43.1	0.023	Yes
	End Point Voltage	1850.2000	1909.8000	27.8	0.015	Yes

9.4.2. WCDMA

Test Engineer ID:	32546	Test Date:	2025-05-06
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WCDMA REL 99 BAND 5

Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	824.2002	848.7889			
Extreme (50°C)		824.2002	848.7889	3.2	0.004	Yes
Extreme (40°C)		824.2002	848.7889	2.5	0.003	Yes
Extreme (30°C)		824.2002	848.7889	2.6	0.003	Yes
Extreme (10°C)		824.2002	848.7889	2.8	0.003	Yes
Extreme (0°C)		824.2002	848.7889	2.8	0.003	Yes
Extreme (-10°C)		824.2002	848.7889	-3.0	-0.004	Yes
Extreme (-20°C)		824.2002	848.7889	-3.1	-0.004	Yes
Extreme (-30°C)		824.2002	848.7889	2.9	0.004	Yes
20°C	15%	824.2002	848.7889	-3.0	-0.004	Yes
	-15%	824.2002	848.7889	2.9	0.003	Yes
	End Point Voltage	824.2002	848.7889	-2.8	-0.003	Yes

WCDMA REL 99 BAND 2

Band	2	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1910		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	1850.1838	1909.8210			
Extreme (50°C)		1850.1838	1909.8210	4.4	0.002	Yes
Extreme (40°C)		1850.1838	1909.8210	4.0	0.002	Yes
Extreme (30°C)		1850.1838	1909.8210	4.6	0.002	Yes
Extreme (10°C)		1850.1838	1909.8210	4.4	0.002	Yes
Extreme (0°C)		1850.1838	1909.8210	4.5	0.002	Yes
Extreme (-10°C)		1850.1838	1909.8210	4.3	0.002	Yes
Extreme (-20°C)		1850.1838	1909.8210	5.3	0.003	Yes
Extreme (-30°C)		1850.1838	1909.8210	4.8	0.003	Yes
20°C	15%	1850.1838	1909.8210	4.9	0.003	Yes
	-15%	1850.1838	1909.8210	5.0	0.003	Yes
	End Point Voltage	1850.1838	1909.8210	4.1	0.002	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	1710.1814	1754.8293			
Extreme (50°C)		1710.1814	1754.8293	5.2	0.003	Yes
Extreme (40°C)		1710.1814	1754.8293	4.2	0.002	Yes
Extreme (30°C)		1710.1814	1754.8293	4.5	0.003	Yes
Extreme (10°C)		1710.1814	1754.8293	3.9	0.002	Yes
Extreme (0°C)		1710.1814	1754.8293	5.3	0.003	Yes
Extreme (-10°C)		1710.1814	1754.8293	5.0	0.003	Yes
Extreme (-20°C)		1710.1814	1754.8293	4.8	0.003	Yes
Extreme (-30°C)		1710.1814	1754.8293	5.1	0.003	Yes
20°C	15%	1710.1814	1754.8293	4.9	0.003	Yes
	-15%	1710.1814	1754.8293	4.3	0.002	Yes
	End Point Voltage	1710.1814	1754.8293	4.7	0.003	Yes

9.5. PEAK-TO-AVERAGE POWER RATIO

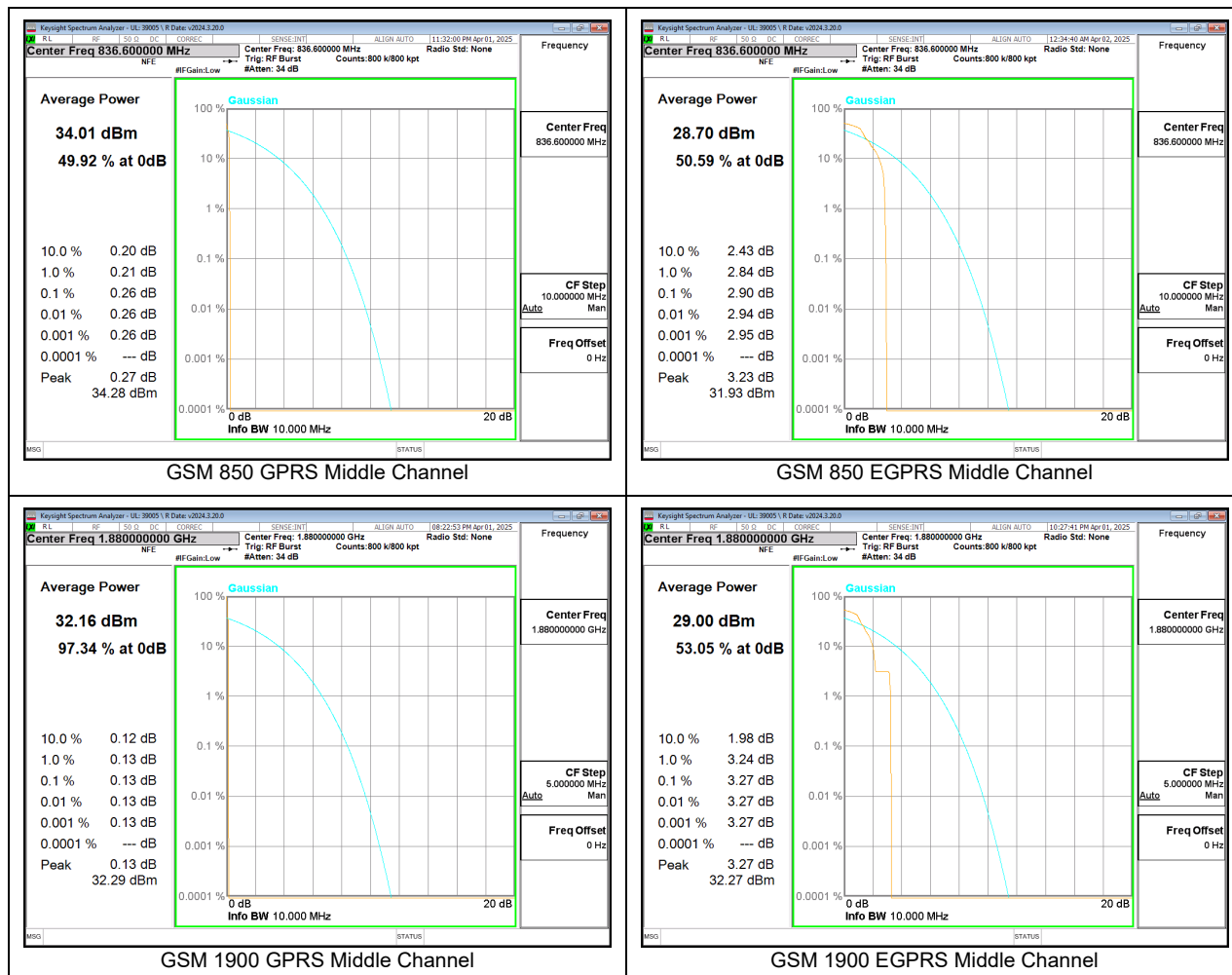
LIMIT

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.

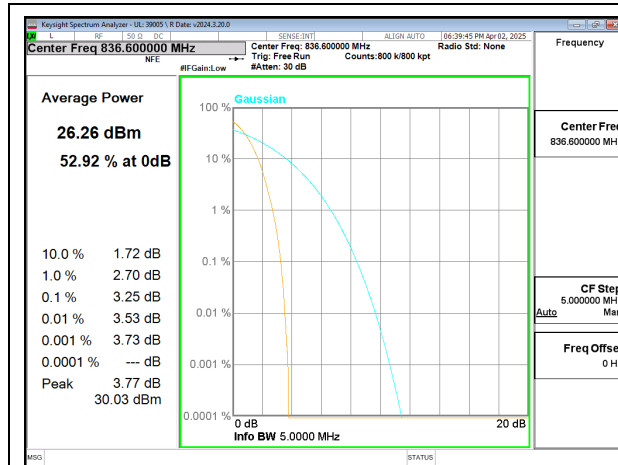
RESULT

Ant 2 was used to measure as the worst case. The results from all CCDF plots are passed with 13dB peak-to-average power ratio criteria.

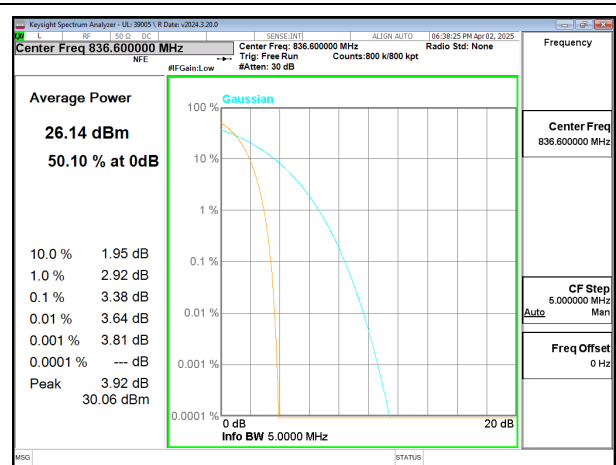
9.5.1. GSM



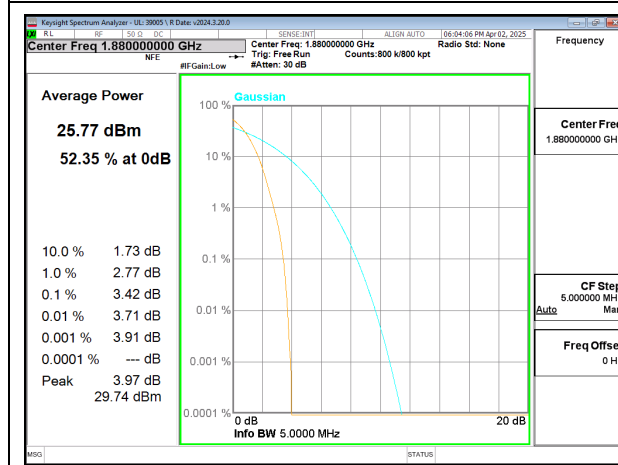
9.5.2. WCDMA



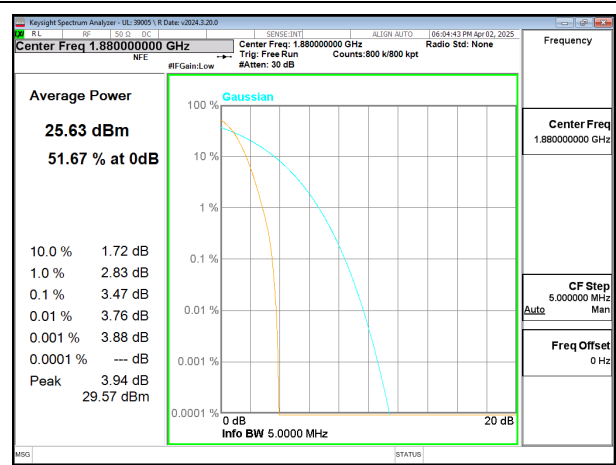
WCDMA Band 5 Rel 99 Middle Channel



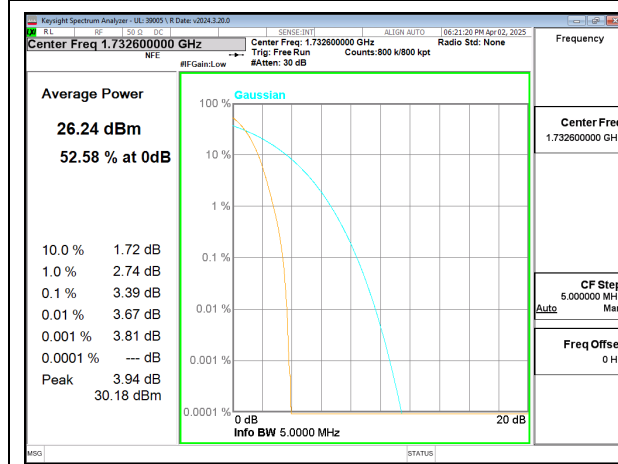
WCDMA Band 5 HSDPA Middle Channel



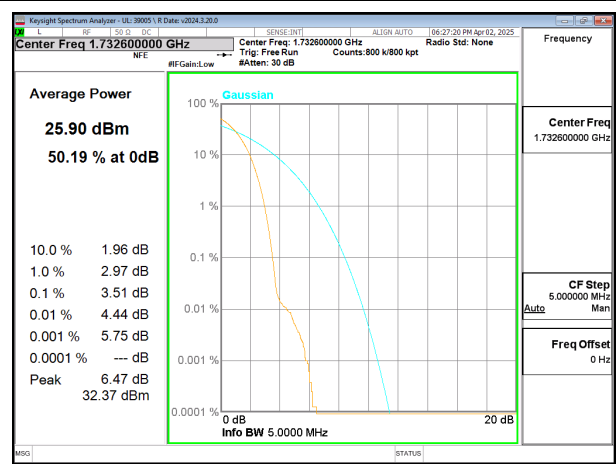
WCDMA Band 2 Rel 99 Middle Channel



WCDMA Band 2 HSDPA Middle Channel



WCDMA Band 4 Rel 99 Middle Channel



WCDMA Band 4 HSDPA Middle Channel

10. 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.

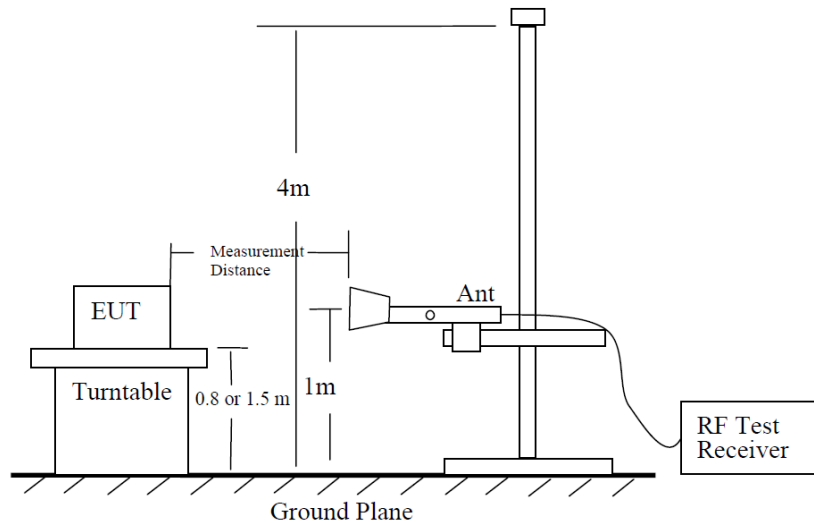


Figure 6—Test site-up for radiated ERP and/or EIRP measurements

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.

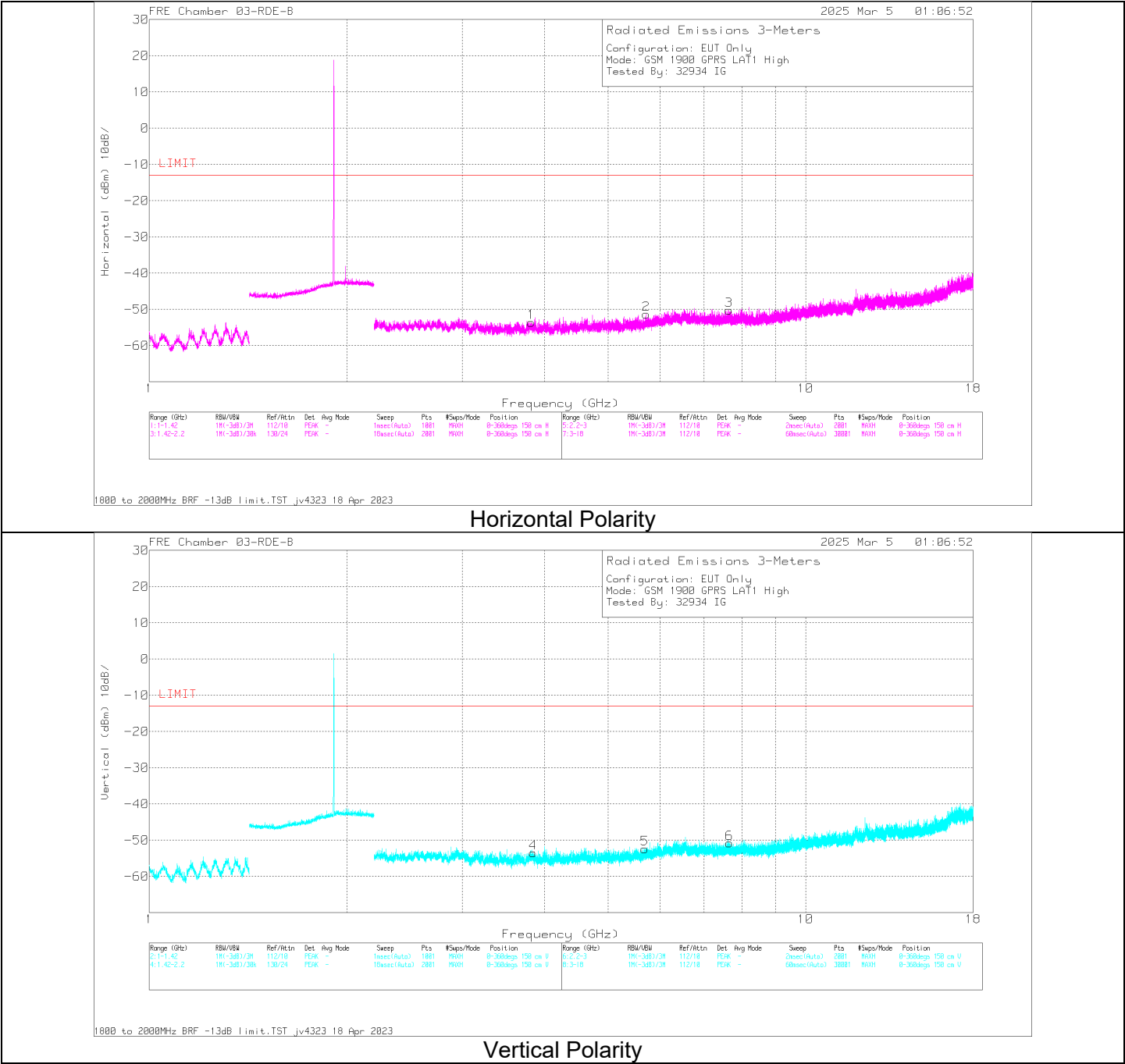
So, from d)

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



Radiated Emissions

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dBm)	Margin (dB)	Polarity
3.818500	55.8	Pk	33.2	-95.2	-47.45	-53.65	-13	-40.65	H
3.843000	55.56	Pk	33.3	-95.2	-47.20	-53.54	-13	-40.54	V
5.693000	56.14	Pk	34.5	-95.2	-47.80	-52.36	-13	-39.36	V
5.716000	56.83	Pk	34.6	-95.2	-47.60	-51.37	-13	-38.37	H
7.646000	56.21	Pk	35.8	-95.2	-47.10	-50.29	-13	-37.29	H
7.650000	55.76	Pk	35.8	-95.2	-47.20	-50.84	-13	-37.84	V

10.1. 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

10.1.1. GSM 850

GPRS MODE, ANT 1

Project #:	1596282
Date:	2025-07-03
Test Engineer:	32934
Configuration:	EUT Only
Mode:	GPRS 850
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.648345	71.10	Pk	28.9	-95.2	-49.40	-44.60	-13	-31.60	H
1.648358	74.87	Pk	28.9	-95.2	-49.40	-40.83	-13	-27.83	V
2.472623	70.63	Pk	31.8	-95.2	-50.10	-42.87	-13	-29.87	V
2.472793	73.81	Pk	31.8	-95.2	-50.10	-39.69	-13	-26.69	H
3.293960	56.15	Pk	32.9	-95.2	-47.30	-53.45	-13	-40.45	H
3.301440	56.34	Pk	32.8	-95.2	-47.40	-53.46	-13	-40.46	V
Mid Channel, 836.6MHz									
1.672981	72.37	Pk	29.0	-95.2	-49.40	-43.23	-13	-30.23	H
1.673165	74.73	Pk	29.0	-95.2	-49.40	-40.87	-13	-27.87	V
2.509778	71.16	Pk	32.0	-95.2	-49.90	-41.94	-13	-28.94	H
2.509803	70.22	Pk	32.0	-95.2	-49.90	-42.88	-13	-29.88	V
3.317280	57.21	Pk	32.8	-95.2	-47.30	-52.49	-13	-39.49	V
3.341040	55.88	Pk	32.7	-95.2	-47.10	-53.72	-13	-40.72	H
High Channel, 848.8MHz									
1.697465	71.03	Pk	29.2	-95.2	-49.50	-44.47	-13	-31.47	H
1.697702	74.31	Pk	29.2	-95.2	-49.50	-41.19	-13	-28.19	V
2.546379	72.46	Pk	32.2	-95.2	-49.66	-40.20	-13	-27.20	V
2.546520	74.65	Pk	32.2	-95.2	-49.65	-38.00	-13	-25.00	H
3.387680	56.07	Pk	32.7	-95.2	-47.37	-53.80	-13	-40.80	H
3.397800	55.14	Pk	32.8	-95.2	-47.22	-54.48	-13	-41.48	V

GPRS MODE, ANT 2

Project #:	1596282
Date:	2025-07-03
Test Engineer:	32934
Configuration:	EUT Only
Mode:	GPRS 850
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.648338	75.81	Pk	28.9	-95.2	-49.40	-39.89	-13	-26.89	V
1.648563	72.39	Pk	28.9	-95.2	-49.40	-43.31	-13	-30.31	H
2.472755	79.07	Pk	31.8	-95.2	-50.10	-34.43	-13	-21.43	H
2.472855	73.06	Pk	31.8	-95.2	-50.10	-40.44	-13	-27.44	V
3.292640	56.24	Pk	32.9	-95.2	-47.37	-53.43	-13	-40.43	V
3.295720	56.04	Pk	32.9	-95.2	-47.47	-53.73	-13	-40.73	H
Mid Channel, 836.6MHz									
1.673187	72.91	Pk	29.0	-95.2	-49.40	-42.69	-13	-29.69	H
1.673143	75.12	Pk	29.0	-95.2	-49.40	-40.48	-13	-27.48	V
2.509695	73.09	Pk	32.0	-95.2	-49.90	-40.01	-13	-27.01	V
2.510019	76.90	Pk	32.0	-95.2	-49.90	-36.20	-13	-23.20	H
3.349840	55.14	Pk	32.7	-95.2	-47.20	-54.56	-13	-41.56	H
3.320360	57.41	Pk	32.8	-95.2	-47.36	-52.35	-13	-39.35	V
High Channel, 848.8MHz									
1.697649	73.46	Pk	29.2	-95.2	-49.50	-42.04	-13	-29.04	V
1.697694	70.50	Pk	29.2	-95.2	-49.50	-45.00	-13	-32.00	H
2.546404	76.11	Pk	32.2	-95.2	-49.66	-36.55	-13	-23.55	H
2.546633	72.34	Pk	32.2	-95.2	-49.64	-40.30	-13	-27.30	V
3.401760	55.90	Pk	32.8	-95.2	-47.32	-53.82	-13	-40.82	H
3.408360	54.70	Pk	32.8	-95.2	-47.36	-55.06	-13	-42.06	V

EGPRS MODE, ANT 1

Project #:	15496282
Date:	32934
Test Engineer:	32937
Configuration:	EUT Only
Mode:	EGPRS 850
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.648139	74.62	Pk	28.9	-95.2	-49.40	-41.08	-13	-28.08	V
1.648403	72.08	Pk	28.9	-95.2	-49.40	-43.62	-13	-30.62	H
2.472512	77.93	Pk	31.8	-95.2	-50.10	-35.57	-13	-22.57	H
2.472633	72.12	Pk	31.8	-95.2	-50.10	-41.38	-13	-28.38	V
3.259200	58.27	Pk	32.8	-95.2	-47.80	-51.93	-13	-38.93	V
3.293080	56.05	Pk	32.9	-95.2	-47.30	-53.55	-13	-40.55	H
Mid Channel, 836.6MHz									
1.673428	70.63	Pk	29	-95.2	-49.40	-44.97	-13	-31.97	H
1.673473	73.00	Pk	29	-95.2	-49.40	-42.60	-13	-29.60	V
2.509988	73.57	Pk	32	-95.2	-49.90	-39.53	-13	-26.53	H
2.510012	72.23	Pk	32	-95.2	-49.90	-40.87	-13	-27.87	V
3.357320	55.88	Pk	32.7	-95.2	-47.10	-53.72	-13	-40.72	H
3.363480	54.89	Pk	32.7	-95.2	-47.10	-54.71	-13	-41.71	V
High Channel, 848.8MHz									
1.697631	72.11	Pk	29.2	-95.2	-49.50	-43.39	-13	-30.39	H
1.697647	71.20	Pk	29.2	-95.2	-49.50	-44.30	-13	-31.30	V
2.546382	72.58	Pk	32.2	-95.2	-49.66	-40.08	-13	-27.08	H
2.546480	71.67	Pk	32.2	-95.2	-49.65	-40.98	-13	-27.98	V
3.379320	54.65	Pk	32.7	-95.2	-47.27	-55.12	-13	-42.12	V
3.389880	55.10	Pk	32.8	-95.2	-47.31	-54.61	-13	-41.61	H

EGPRS MODE, ANT 2

Project #:	15496282
Date:	2025-03-07
Test Engineer:	32934
Configuration:	EUT Only
Mode:	EGPRS 850
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.648403	76.12	Pk	28.9	-95.2	-49.40	-39.58	-13	-26.58	H
1.648418	79.09	Pk	28.9	-95.2	-49.40	-36.61	-13	-23.61	V
2.462800	60.55	Pk	31.8	-95.2	-50.18	-53.03	-13	-40.03	V
2.472660	67.87	Pk	31.8	-95.2	-50.10	-45.63	-13	-32.63	H
3.283840	56.83	Pk	32.9	-95.2	-47.50	-52.97	-13	-39.97	V
3.293520	55.90	Pk	32.9	-95.2	-47.30	-53.70	-13	-40.70	H
Mid Channel, 836.6MHz									
1.673303	77.31	Pk	29.0	-95.2	-49.40	-38.29	-13	-25.29	V
1.673325	74.02	Pk	29.0	-95.2	-49.40	-41.58	-13	-28.58	H
2.509786	66.41	Pk	32.0	-95.2	-49.90	-46.69	-13	-33.69	H
2.534080	59.88	Pk	32.2	-95.2	-49.69	-52.81	-13	-39.81	V
3.349840	55.11	Pk	32.7	-95.2	-47.20	-54.59	-13	-41.59	V
3.351600	55.18	Pk	32.7	-95.2	-47.14	-54.46	-13	-41.46	H
High Channel, 848.8MHz									
1.697579	73.50	Pk	29.2	-95.2	-49.50	-42.00	-13	-29.00	V
1.697629	70.40	Pk	29.2	-95.2	-49.50	-45.10	-13	-32.10	H
2.531880	60.30	Pk	32.2	-95.2	-49.70	-52.40	-13	-39.40	V
2.542000	59.06	Pk	32.2	-95.2	-49.50	-53.44	-13	-40.44	H
3.388560	55.17	Pk	32.7	-95.2	-47.40	-54.73	-13	-41.73	V
3.389000	55.52	Pk	32.7	-95.2	-47.40	-54.38	-13	-41.38	H

10.1.2. GSM 1900

GPRS MODE, ANT 1

Project #:	1596282
Date:	2025-03-05
Test Engineer:	32934
Configuration:	EUT Only
Mode:	GPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.702500	55.86	Pk	33.0	-95.2	-47.05	-53.39	-13	-40.39	H
3.709500	55.39	Pk	33.0	-95.2	-46.95	-53.76	-13	-40.76	V
5.557000	57.02	Pk	34.4	-95.2	-48.30	-52.08	-13	-39.08	H
5.562000	56.35	Pk	34.4	-95.2	-48.20	-52.65	-13	-39.65	V
7.404500	56.35	Pk	35.6	-95.2	-47.50	-50.75	-13	-37.75	V
7.419000	55.59	Pk	35.6	-95.2	-47.50	-51.51	-13	-38.51	H
Mid Channel, 1880MHz									
3.774000	56.51	Pk	33.2	-95.2	-47.6	-53.09	-13	-40.09	V
3.774500	56.67	Pk	33.2	-95.2	-47.65	-52.98	-13	-39.98	H
5.639848	66.46	Pk	34.5	-95.2	-47.98	-42.22	-13	-29.22	H
5.640000	57.73	Pk	34.5	-95.2	-48.00	-50.97	-13	-37.97	V
7.520500	56.19	Pk	35.7	-95.2	-47.70	-51.01	-13	-38.01	H
7.535500	56.31	Pk	35.7	-95.2	-47.60	-50.79	-13	-37.79	V
High Channel, 1909.8MHz									
3.818500	55.80	Pk	33.2	-95.2	-47.45	-53.65	-13	-40.65	H
3.843000	55.56	Pk	33.3	-95.2	-47.20	-53.54	-13	-40.54	V
5.693000	56.14	Pk	34.5	-95.2	-47.80	-52.36	-13	-39.36	V
5.716000	56.83	Pk	34.6	-95.2	-47.60	-51.37	-13	-38.37	H
7.646000	56.21	Pk	35.8	-95.2	-47.10	-50.29	-13	-37.29	H
7.650000	55.76	Pk	35.8	-95.2	-47.20	-50.84	-13	-37.84	V

GPRS MODE, ANT 2

Project #:	15496282
Date:	2025-03-07
Test Engineer:	32934
Configuration:	EUT Only
Mode:	GPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.708000	55.17	Pk	33.0	-95.2	-47.00	-54.03	-13	-41.03	V
3.708500	55.85	Pk	33.0	-95.2	-47.00	-53.35	-13	-40.35	H
5.530000	56.62	Pk	34.4	-95.2	-48.30	-52.48	-13	-39.48	V
5.538500	56.42	Pk	34.4	-95.2	-48.30	-52.68	-13	-39.68	H
7.402000	55.87	Pk	35.6	-95.2	-47.50	-51.23	-13	-38.23	H
7.403000	55.77	Pk	35.6	-95.2	-47.40	-51.23	-13	-38.23	V
Mid Channel, 1880MHz									
3.758500	56.74	Pk	33.1	-95.2	-47.65	-53.01	-13	-40.01	V
3.777500	55.79	Pk	33.2	-95.2	-47.65	-53.86	-13	-40.86	H
5.631000	56.59	Pk	34.5	-95.2	-48.00	-52.11	-13	-39.11	V
5.645500	56.98	Pk	34.5	-95.2	-47.95	-51.67	-13	-38.67	H
7.511000	56.85	Pk	35.7	-95.2	-47.80	-50.45	-13	-37.45	V
7.527000	56.04	Pk	35.7	-95.2	-47.60	-51.06	-13	-38.06	H
High Channel, 1909.8MHz									
3.802500	56.67	Pk	33.2	-95.2	-47.65	-52.98	-13	-39.98	V
3.818500	56.73	Pk	33.2	-95.2	-47.45	-52.72	-13	-39.72	H
5.709500	56.88	Pk	34.5	-95.2	-47.65	-51.47	-13	-38.47	V
5.734000	56.83	Pk	34.6	-95.2	-47.70	-51.47	-13	-38.47	H
7.652000	55.73	Pk	35.8	-95.2	-47.20	-50.87	-13	-37.87	H
7.652000	55.09	Pk	35.8	-95.2	-47.20	-51.51	-13	-38.51	V

GPRS MODE, ANT 3

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32703
Configuration:	EUT Only
Mode:	GPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.674500	56.78	Pk	32.9	-95.2	-47.00	-52.52	-13	-39.52	H
3.651000	55.52	Pk	32.8	-95.2	-47.10	-53.98	-13	-40.98	V
5.535500	56.68	Pk	34.4	-95.2	-48.30	-52.42	-13	-39.42	V
5.556000	56.99	Pk	34.4	-95.2	-48.30	-52.11	-13	-39.11	H
7.386000	56.30	Pk	35.6	-95.2	-47.40	-50.70	-13	-37.70	V
7.419000	56.87	Pk	35.6	-95.2	-47.50	-50.23	-13	-37.23	H
Mid Channel, 1880MHz									
3.774500	56.32	Pk	33.2	-95.2	-47.65	-53.33	-13	-40.33	H
3.762500	56.62	Pk	33.1	-95.2	-47.60	-53.08	-13	-40.08	V
5.640500	55.96	Pk	34.5	-95.2	-47.95	-52.69	-13	-39.69	H
5.742000	57.55	Pk	34.6	-95.2	-47.70	-50.75	-13	-37.75	V
7.542500	55.88	Pk	35.7	-95.2	-47.50	-51.12	-13	-38.12	H
7.573000	55.39	Pk	35.7	-95.2	-47.10	-51.21	-13	-38.21	V
High Channel, 1909.8MHz									
3.813000	56.48	Pk	33.2	-95.2	-47.40	-52.92	-13	-39.92	H
3.796500	56.99	Pk	33.2	-95.2	-47.55	-52.56	-13	-39.56	V
5.713000	56.10	Pk	34.6	-95.2	-47.70	-52.20	-13	-39.20	V
5.739500	57.54	Pk	34.6	-95.2	-47.80	-50.86	-13	-37.86	H
7.665000	55.99	Pk	35.8	-95.2	-47.30	-50.71	-13	-37.71	H
7.667000	55.24	Pk	35.8	-95.2	-47.40	-51.56	-13	-38.56	V

GPRS MODE, ANT 4

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32934
Configuration:	EUT Only
Mode:	GPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.723000	54.99	Pk	33.1	-95.2	-47.00	-54.11	-13	-41.11	H
3.704000	54.84	Pk	33.0	-95.2	-46.90	-54.26	-13	-41.26	V
5.550500	56.98	Pk	34.4	-95.2	-48.35	-52.17	-13	-39.17	H
5.577500	56.55	Pk	34.4	-95.2	-48.25	-52.50	-13	-39.50	V
7.431500	56.19	Pk	35.7	-95.2	-47.60	-50.91	-13	-37.91	H
7.434000	56.20	Pk	35.7	-95.2	-47.60	-50.00	-13	-37.90	V
Mid Channel, 1880MHz									
3.769000	56.72	Pk	33.1	-95.2	-47.60	-52.98	-13	-39.98	H
3.743500	56.05	Pk	33.1	-95.2	-47.45	-53.50	-13	-40.50	V
5.644000	56.14	Pk	34.5	-95.2	-48.00	-52.56	-13	-39.56	V
5.660000	57.08	Pk	34.5	-95.2	-47.90	-51.52	-13	-38.52	H
7.537000	56.55	Pk	35.7	-95.2	-47.60	-50.55	-13	-37.55	H
7.439500	57.42	Pk	35.7	-95.2	-47.70	-49.78	-13	-36.78	V
High Channel, 1909.8MHz									
3.840000	56.13	Pk	33.3	-95.2	-47.30	-53.07	-13	-40.07	H
3.828000	56.86	Pk	33.3	-95.2	-47.50	-52.54	-13	-39.54	V
5.691000	56.93	Pk	34.5	-95.2	-47.90	-51.67	-13	-38.67	V
5.710500	56.23	Pk	34.5	-95.2	-47.60	-52.07	-13	-39.07	H
7.632000	54.97	Pk	35.7	-95.2	-47.00	-51.53	-13	-38.53	H
7.611500	56.26	Pk	35.7	-95.2	-46.85	-50.09	-13	-37.09	V

EGPRS MODE, ANT 1

Project #:	15496282
Date:	2025-03-05
Test Engineer:	32934
Configuration:	EUT Only
Mode:	EGPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.706000	55.63	Pk	33.0	-95.2	-47.00	-53.57	-13	-40.57	H
3.709000	55.01	Pk	33.0	-95.2	-47.00	-54.19	-13	-41.19	V
5.529500	56.75	Pk	34.4	-95.2	-48.35	-52.40	-13	-39.40	V
5.557000	56.11	Pk	34.4	-95.2	-48.30	-52.99	-13	-39.99	H
7.382000	55.70	Pk	35.6	-95.2	-47.40	-51.30	-13	-38.30	V
7.409500	55.53	Pk	35.6	-95.2	-47.55	-51.62	-13	-38.62	H
Mid Channel, 1880MHz									
3.724000	54.75	Pk	33.1	-95.2	-47.00	-54.35	-13	-41.35	V
3.759000	55.83	Pk	33.1	-95.2	-47.70	-53.97	-13	-40.97	H
5.640000	56.58	Pk	34.5	-95.2	-48.00	-52.12	-13	-39.12	V
5.641000	56.39	Pk	34.5	-95.2	-47.90	-52.21	-13	-39.21	H
7.508000	56.05	Pk	35.7	-95.2	-47.80	-51.25	-13	-38.25	V
7.524500	56.05	Pk	35.7	-95.2	-47.70	-51.15	-13	-38.15	H
High Channel, 1909.8MHz									
3.815500	56.25	Pk	33.2	-95.2	-47.55	-53.30	-13	-40.30	V
3.822000	57.52	Pk	33.3	-95.2	-47.60	-51.98	-13	-38.98	H
5.721000	56.58	Pk	34.6	-95.2	-47.70	-51.72	-13	-38.72	H
5.729300	62.34	Pk	34.6	-95.2	-47.63	-45.89	-13	-32.89	V
7.647500	55.53	Pk	35.8	-95.2	-47.15	-51.02	-13	-38.02	H
7.670500	55.88	Pk	35.8	-95.2	-47.30	-50.82	-13	-37.82	V

EGPRS MODE, ANT 2

Project #:	15496282
Date:	2025-03-05
Test Engineer:	30934
Configuration:	EUT Only
Mode:	EGPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.696000	54.87	Pk	33.0	-95.2	-47.00	-54.33	-13	-41.33	V
3.702500	55.30	Pk	33.0	-95.2	-47.05	-53.95	-13	-40.95	H
5.543500	56.72	Pk	34.4	-95.2	-48.35	-52.43	-13	-39.43	V
5.558000	57.12	Pk	34.4	-95.2	-48.30	-51.98	-13	-38.98	H
7.420000	56.31	Pk	35.6	-95.2	-47.50	-50.79	-13	-37.79	H
7.427500	56.03	Pk	35.6	-95.2	-47.65	-51.22	-13	-38.22	V
Mid Channel, 1880MHz									
3.757500	56.51	Pk	33.1	-95.2	-47.60	-53.19	-13	-40.19	V
3.760000	55.87	Pk	33.1	-95.2	-47.60	-53.83	-13	-40.83	H
5.636500	55.98	Pk	34.5	-95.2	-47.90	-52.62	-13	-39.62	V
5.639500	56.19	Pk	34.5	-95.2	-47.95	-52.46	-13	-39.46	H
7.531000	56.21	Pk	35.7	-95.2	-47.70	-50.99	-13	-37.99	H
7.549000	56.32	Pk	35.7	-95.2	-47.40	-50.58	-13	-37.58	V
High Channel, 1909.8MHz									
3.808500	56.84	Pk	33.2	-95.2	-47.50	-52.66	-13	-39.66	V
3.819500	56.58	Pk	33.3	-95.2	-47.45	-52.77	-13	-39.77	H
5.732000	56.61	Pk	34.6	-95.2	-47.70	-51.69	-13	-38.69	V
5.741500	57.27	Pk	34.6	-95.2	-47.75	-51.08	-13	-38.08	H
7.639000	56.02	Pk	35.8	-95.2	-47.00	-50.38	-13	-37.38	V
7.653000	56.38	Pk	35.8	-95.2	-47.20	-50.22	-13	-37.22	H

EGPRS MODE, ANT 3

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32934
Configuration:	EUT Only
Mode:	EGPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.720000	55.34	Pk	33.1	-95.2	-47.10	-53.86	-13	-40.86	H
3.729000	55.32	Pk	33.1	-95.2	-47.20	-53.98	-13	-40.98	V
5.507500	56.90	Pk	34.4	-95.2	-48.50	-52.40	-13	-39.40	V
5.531000	57.13	Pk	34.4	-95.2	-48.30	-51.97	-13	-38.97	H
7.429500	55.88	Pk	35.6	-95.2	-47.65	-51.37	-13	-38.37	H
7.454000	55.72	Pk	35.7	-95.2	-47.80	-51.58	-13	-38.58	V
Mid Channel, 1880MHz									
3.757500	55.83	Pk	33.1	-95.2	-47.60	-53.87	-13	-40.87	H
3.755500	55.63	Pk	33.1	-95.2	-47.50	-53.97	-13	-40.97	V
5.700000	56.80	Pk	34.5	-95.2	-47.70	-51.60	-13	-38.60	V
5.711000	57.51	Pk	34.5	-95.2	-47.60	-50.79	-13	-37.79	H
7.559500	55.91	Pk	35.7	-95.2	-47.20	-50.79	-13	-37.79	H
7.569000	55.62	Pk	35.7	-95.2	-47.10	-50.98	-13	-37.98	V
High Channel, 1909.8MHz									
3.820000	56.30	Pk	33.3	-95.2	-47.50	-53.10	-13	-40.10	H
3.832000	55.69	Pk	33.3	-95.2	-47.40	-53.61	-13	-40.61	V
5.689500	56.84	Pk	34.5	-95.2	-47.95	-51.81	-13	-38.81	V
5.722000	56.18	Pk	34.6	-95.2	-47.70	-52.12	-13	-39.12	H
7.656500	55.35	Pk	35.8	-95.2	-47.20	-51.25	-13	-38.25	H
7.635500	55.71	Pk	35.8	-95.2	-47.10	-50.79	-13	-37.79	V

EGPRS MODE, ANT 4

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32934
Configuration:	EUT Only
Mode:	EGPRS 1900
Chamber #:	03-RDE-B

Frequency (MHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1850.2MHz									
3.722500	55.38	Pk	33.1	-95.2	-47.00	-53.72	-13	-40.72	H
3.686500	55.56	Pk	33.0	-95.2	-47.10	-53.74	-13	-40.74	V
5.530500	56.99	Pk	34.4	-95.2	-48.30	-52.11	-13	-39.11	H
5.531000	56.87	Pk	34.4	-95.2	-48.30	-52.23	-13	-39.23	V
7.402000	56.04	Pk	35.6	-95.2	-47.50	-51.06	-13	-38.06	H
7.321500	57.37	Pk	35.6	-95.2	-47.70	-49.93	-13	-36.93	V
Mid Channel, 1880MHz									
3.772000	56.73	Pk	33.1	-95.2	-47.60	-52.97	-13	-39.97	H
3.778000	56.45	Pk	33.2	-95.2	-47.60	-53.15	-13	-40.15	V
5.626000	56.25	Pk	34.5	-95.2	-48.10	-52.55	-13	-39.55	V
5.628500	57.00	Pk	34.5	-95.2	-48.05	-51.75	-13	-38.75	H
7.506000	56.60	Pk	35.7	-95.2	-47.90	-50.80	-13	-37.80	H
7.492000	56.30	Pk	35.7	-95.2	-47.90	-51.10	-13	-38.10	V
High Channel, 1909.8MHz									
3.807000	56.52	Pk	33.2	-95.2	-47.60	-53.08	-13	-40.08	H
3.810500	56.97	Pk	33.2	-95.2	-47.60	-52.63	-13	-39.63	V
5.725500	56.55	Pk	34.6	-95.2	-47.70	-51.75	-13	-38.75	V
5.748000	56.92	Pk	34.6	-95.2	-47.70	-51.38	-13	-38.38	H
7.635500	55.34	Pk	35.8	-95.2	-47.10	-51.16	-13	-38.16	H
7.620000	55.85	Pk	35.7	-95.2	-46.90	-50.55	-13	-37.55	V

10.1.3. WCDMA BAND 5

REL 99 MODE, ANT 1

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32545
Configuration:	EUT Only
Mode:	REL 99 Band 5
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.650683	61.74	Pk	28.9	-95.2	-49.40	-53.96	-13	-40.96	H
1.655430	63.20	Pk	29.0	-95.2	-49.34	-52.34	-13	-39.34	V
2.475715	66.39	Pk	31.9	-95.2	-50.13	-47.04	-13	-34.04	H
2.475764	64.77	Pk	31.9	-95.2	-50.12	-48.65	-13	-35.65	V
3.305834	59.05	Pk	32.8	-95.2	-47.30	-50.65	-13	-37.65	H
3.306887	58.19	Pk	32.8	-95.2	-47.39	-51.60	-13	-38.60	V
Mid Channel, 836.6MHz									
1.540838	60.46	Pk	28.2	-95.2	-49.42	-55.96	-13	-42.96	H
1.539566	60.72	Pk	28.2	-95.2	-49.46	-55.74	-13	-42.74	V
1.935992	61.75	Pk	32.0	-95.2	-49.50	-50.95	-13	-37.95	V
1.939140	61.42	Pk	32.0	-95.2	-49.50	-51.28	-13	-38.28	H
2.513126	63.18	Pk	32.0	-95.2	-49.90	-49.92	-13	-36.92	V
2.513474	65.63	Pk	32.0	-95.2	-49.90	-47.47	-13	-34.47	H
High Channel, 846.6MHz									
1.525594	60.49	Pk	28.2	-95.2	-49.30	-55.81	-13	-42.81	H
1.526156	60.46	Pk	28.2	-95.2	-49.30	-55.84	-13	-42.84	V
2.540599	62.29	Pk	32.2	-95.2	-49.64	-50.35	-13	-37.35	V
2.541836	63.52	Pk	32.2	-95.2	-49.52	-49.00	-13	-36.00	H
3.384364	56.30	Pk	32.7	-95.2	-47.30	-53.50	-13	-40.50	H
3.389293	57.00	Pk	32.7	-95.2	-47.37	-52.87	-13	-39.87	V

REL 99 MODE, ANT 2

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 5
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.652320	56.36	Pk	28.9	-95.2	-49.40	-59.34	-13	-46.34	H
1.652320	57.08	Pk	28.9	-95.2	-49.40	-58.62	-13	-45.62	V
2.479080	58.46	Pk	31.9	-95.2	-50.10	-54.94	-13	-41.94	H
2.479080	56.73	Pk	31.9	-95.2	-50.10	-56.67	-13	-43.67	V
3.305400	54.12	Pk	32.8	-95.2	-47.30	-55.58	-13	-42.58	H
3.305400	53.95	Pk	32.8	-95.2	-47.30	-55.75	-13	-42.75	V
Mid Channel, 836.6MHz									
1.673440	57.87	Pk	29.0	-95.2	-49.40	-57.73	-13	-44.73	H
1.673440	56.27	Pk	29.0	-95.2	-49.40	-59.33	-13	-46.33	V
2.509880	56.79	Pk	32.0	-95.2	-49.90	-56.31	-13	-43.31	H
2.509880	56.71	Pk	32.0	-95.2	-49.90	-56.39	-13	-43.39	V
3.346320	53.57	Pk	32.7	-95.2	-47.13	-56.06	-13	-43.06	H
3.346320	53.11	Pk	32.7	-95.2	-47.13	-56.52	-13	-43.52	V
High Channel, 846.6MHz									
1.693240	57.44	Pk	29.2	-95.2	-49.50	-58.06	-13	-45.06	H
1.693240	56.40	Pk	29.2	-95.2	-49.50	-59.10	-13	-46.10	V
2.539800	56.75	Pk	32.2	-95.2	-49.68	-55.93	-13	-42.93	H
2.539800	57.14	Pk	32.2	-95.2	-49.68	-55.54	-13	-42.54	V
3.386360	53.86	Pk	32.7	-95.2	-47.24	-55.88	-13	-42.88	H
3.386360	54.03	Pk	32.7	-95.2	-47.24	-55.71	-13	-42.71	V

HSDPA MODE, ANT 1

Project #:	15496282
Date:	2025-03-26
Test Engineer:	32703
Configuration:	EUT Only
Mode:	HSDPA Band 5
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.652760	56.60	Pk	28.9	-95.2	-49.40	-59.10	-13	-46.10	H
1.652760	57.59	Pk	28.9	-95.2	-49.40	-58.11	-13	-45.11	V
2.475402	65.06	Pk	31.9	-95.2	-50.16	-48.40	-13	-35.40	V
2.475964	68.56	Pk	31.9	-95.2	-50.10	-44.84	-13	-31.84	H
3.305400	53.16	Pk	32.8	-95.2	-47.30	-56.54	-13	-43.54	H
3.305400	54.49	Pk	32.8	-95.2	-47.30	-55.21	-13	-42.21	V
Mid Channel, 836.6MHz									
1.673440	56.46	Pk	29.0	-95.2	-49.40	-59.14	-13	-46.14	H
1.673440	56.24	Pk	29.0	-95.2	-49.40	-59.36	-13	-46.36	V
2.513140	65.99	Pk	32.0	-95.2	-49.90	-47.11	-13	-34.11	H
2.512738	64.82	Pk	32.0	-95.2	-49.90	-48.28	-13	-35.28	V
3.346320	53.45	Pk	32.7	-95.2	-47.13	-56.18	-13	-43.18	H
3.346320	54.42	Pk	32.7	-95.2	-47.13	-55.21	-13	-42.21	V
High Channel, 846.6MHz									
1.693240	55.97	Pk	29.2	-95.2	-49.50	-59.53	-13	-46.53	H
1.693240	57.15	Pk	29.2	-95.2	-49.50	-58.35	-13	-45.35	V
2.539360	59.41	Pk	32.2	-95.2	-49.64	-53.23	-13	-40.23	H
2.539360	57.68	Pk	32.2	-95.2	-49.64	-54.96	-13	-41.96	V
3.486240	53.6	Pk	32.7	-95.2	-47.50	-56.40	-13	-43.40	H
3.486240	53.86	Pk	32.7	-95.2	-47.50	-56.14	-13	-43.14	V

HSDPA MODE, ANT 2

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32703
Configuration:	EUT Only
Mode:	HSDPA Band 5
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 826.4MHz									
1.652320	56.36	Pk	28.9	-95.2	-49.40	-59.34	-13	-46.34	H
1.652320	57.08	Pk	28.9	-95.2	-49.40	-58.62	-13	-45.62	V
2.479080	58.46	Pk	31.9	-95.2	-50.10	-54.94	-13	-41.94	H
2.479080	56.73	Pk	31.9	-95.2	-50.10	-56.67	-13	-43.67	V
3.305400	54.12	Pk	32.8	-95.2	-47.30	-55.58	-13	-42.58	H
3.305400	53.95	Pk	32.8	-95.2	-47.30	-55.75	-13	-42.75	V
Mid Channel, 836.6MHz									
1.673440	57.87	Pk	29	-95.2	-49.40	-57.73	-13	-44.73	H
1.673440	56.27	Pk	29	-95.2	-49.40	-59.33	-13	-46.33	V
2.509880	56.79	Pk	32	-95.2	-49.90	-56.31	-13	-43.31	H
2.509880	56.71	Pk	32	-95.2	-49.90	-56.39	-13	-43.39	V
3.346320	53.57	Pk	32.7	-95.2	-47.13	-56.06	-13	-43.06	H
3.346320	53.11	Pk	32.7	-95.2	-47.13	-56.52	-13	-43.52	V
High Channel, 846.6MHz									
1.693240	57.44	Pk	29.2	-95.2	-49.50	-58.06	-13	-45.06	H
1.693240	56.40	Pk	29.2	-95.2	-49.50	-59.10	-13	-46.10	V
2.539800	56.75	Pk	32.2	-95.2	-49.68	-55.93	-13	-42.93	H
2.539800	57.14	Pk	32.2	-95.2	-49.68	-55.54	-13	-42.54	V
3.386360	53.86	Pk	32.7	-95.2	-47.24	-55.88	-13	-42.88	H
3.386360	54.03	Pk	32.7	-95.2	-47.24	-55.71	-13	-42.71	V

10.1.4. WCDMA BAND 2

REL 99 MODE, ANT 1

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.704500	53.56	Pk	33.0	-95.2	-46.95	-55.59	-13	-42.59	H
3.704500	54.54	Pk	33.0	-95.2	-46.95	-54.61	-13	-41.61	V
5.557500	54.41	Pk	34.4	-95.2	-48.30	-54.69	-13	-41.69	H
5.557500	56.22	Pk	34.4	-95.2	-48.30	-52.88	-13	-39.88	V
7.409500	52.49	Pk	35.6	-95.2	-47.55	-54.66	-13	-41.66	H
7.409500	53.61	Pk	35.6	-95.2	-47.55	-53.54	-13	-40.54	V
Mid Channel, 1880MHz									
3.760500	52.74	Pk	33.1	-95.2	-47.55	-56.91	-13	-43.91	H
3.760500	54.37	Pk	33.1	-95.2	-47.55	-55.28	-13	-42.28	V
5.640500	53.32	Pk	34.5	-95.2	-47.95	-55.33	-13	-42.33	H
5.640500	54.04	Pk	34.5	-95.2	-47.95	-54.61	-13	-41.61	V
7.520000	53.90	Pk	35.7	-95.2	-47.70	-53.3	-13	-40.30	H
7.520000	56.38	Pk	35.7	-95.2	-47.70	-50.82	-13	-37.82	V
High Channel, 1907.6MHz									
3.815500	54.98	Pk	33.2	-95.2	-47.55	-54.57	-13	-41.57	H
3.815500	54.53	Pk	33.2	-95.2	-47.55	-55.02	-13	-42.02	V
5.722500	53.88	Pk	34.6	-95.2	-47.70	-54.42	-13	-41.42	H
5.722500	54.43	Pk	34.6	-95.2	-47.70	-53.87	-13	-40.87	V
7.630500	54.27	Pk	35.7	-95.2	-47.00	-52.23	-13	-39.23	H
7.630500	52.59	Pk	35.7	-95.2	-47.00	-53.91	-13	-40.91	V

REL 99 MODE, ANT 2

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32934
Configuration:	EUT Only
Mode:	REL 99 Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705000	52.92	Pk	33.0	-95.2	-47.00	-56.28	-13	-43.28	H
3.705000	53.57	Pk	33.0	-95.2	-47.00	-55.63	-13	-42.63	V
5.557000	54.36	Pk	34.4	-95.2	-48.30	-54.74	-13	-41.74	H
5.557000	54.91	Pk	34.4	-95.2	-48.30	-54.19	-13	-41.19	V
7.409500	54.61	Pk	35.6	-95.2	-47.55	-52.54	-13	-39.54	H
7.409500	54.38	Pk	35.6	-95.2	-47.55	-52.77	-13	-39.77	V
Mid Channel, 1880MHz									
3.760500	54.16	Pk	33.1	-95.2	-47.55	-55.49	-13	-42.49	H
3.760500	54.64	Pk	33.1	-95.2	-47.55	-55.01	-13	-42.01	V
5.640500	54.31	Pk	34.5	-95.2	-47.95	-54.34	-13	-41.34	H
5.640500	53.71	Pk	34.5	-95.2	-47.95	-54.94	-13	-41.94	V
7.520500	54.19	Pk	35.7	-95.2	-47.70	-53.01	-13	-40.01	H
7.520500	54.03	Pk	35.7	-95.2	-47.70	-53.17	-13	-40.17	V
High Channel, 1907.6MHz									
3.820000	56.52	Pk	33.3	-95.2	-47.50	-52.88	-13	-39.88	H
3.801000	56.49	Pk	33.2	-95.2	-47.70	-53.21	-13	-40.21	V
5.730500	56.08	Pk	34.6	-95.2	-47.70	-52.22	-13	-39.22	H
5.746500	56.86	Pk	34.6	-95.2	-47.70	-51.44	-13	-38.44	V
7.644500	55.13	Pk	35.8	-95.2	-47.10	-51.37	-13	-38.37	H
7.630500	55.26	Pk	35.7	-95.2	-47.00	-51.24	-13	-38.24	V

REL 99 MODE, ANT 3

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705000	52.95	Pk	33.0	-95.2	-47.00	-56.25	-13	-43.25	H
3.705000	53.92	Pk	33.0	-95.2	-47.00	-55.28	-13	-42.28	V
5.557500	53.82	Pk	34.4	-95.2	-48.30	-55.28	-13	-42.28	H
5.557500	55.54	Pk	34.4	-95.2	-48.30	-53.56	-13	-40.56	V
7.409500	53.98	Pk	35.6	-95.2	-47.55	-53.17	-13	-40.17	H
7.409500	55.61	Pk	35.6	-95.2	-47.55	-51.54	-13	-38.54	V
Mid Channel, 1880MHz									
3.760500	54.10	Pk	33.1	-95.2	-47.55	-55.55	-13	-42.55	H
3.760500	54.16	Pk	33.1	-95.2	-47.55	-55.49	-13	-42.49	V
5.640000	53.54	Pk	34.5	-95.2	-48.00	-55.16	-13	-42.16	H
5.640000	52.94	Pk	34.5	-95.2	-48.00	-55.76	-13	-42.76	V
7.520000	53.95	Pk	35.7	-95.2	-47.70	-53.25	-13	-40.25	H
7.520000	53.18	Pk	35.7	-95.2	-47.70	-54.02	-13	-41.02	V
High Channel, 1907.6MHz									
3.815500	53.69	Pk	33.2	-95.2	-47.55	-55.86	-13	-42.86	H
3.815500	54.39	Pk	33.2	-95.2	-47.55	-55.16	-13	-42.16	V
5.723000	54.89	Pk	34.6	-95.2	-47.70	-53.41	-13	-40.41	H
5.723000	53.39	Pk	34.6	-95.2	-47.70	-54.91	-13	-41.91	V
7.630250	52.50	Pk	35.7	-95.2	-47.00	-54.00	-13	-41.00	H
7.630500	52.31	Pk	35.7	-95.2	-47.00	-54.19	-13	-41.19	V

REL 99 MODE, ANT 4

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705000	53.72	Pk	33.0	-95.2	-47.00	-55.48	-13	-42.48	H
3.705000	52.90	Pk	33.0	-95.2	-47.00	-56.30	-13	-43.30	V
5.557500	54.20	Pk	34.4	-95.2	-48.30	-54.90	-13	-41.90	H
5.557500	54.97	Pk	34.4	-95.2	-48.30	-54.13	-13	-41.13	V
7.409500	54.31	Pk	35.6	-95.2	-47.55	-52.84	-13	-39.84	H
7.409500	53.25	Pk	35.6	-95.2	-47.55	-53.90	-13	-40.90	V
Mid Channel, 1880MHz									
3.760500	54.65	Pk	33.1	-95.2	-47.55	-55.00	-13	-42.00	H
3.760500	56.14	Pk	33.1	-95.2	-47.55	-53.51	-13	-40.51	V
5.640500	53.70	Pk	34.5	-95.2	-47.95	-54.95	-13	-41.95	H
5.640500	53.70	Pk	34.5	-95.2	-47.95	-54.95	-13	-41.95	V
7.521000	54.50	Pk	35.7	-95.2	-47.70	-52.70	-13	-39.70	H
7.521000	55.21	Pk	35.7	-95.2	-47.70	-51.99	-13	-38.99	V
High Channel, 1907.6MHz									
3.815000	56.41	Pk	33.2	-95.2	-47.50	-53.09	-13	-40.09	H
3.815000	55.87	Pk	33.2	-95.2	-47.50	-53.63	-13	-40.63	V
5.722500	54.44	Pk	34.6	-95.2	-47.70	-53.86	-13	-40.86	H
5.722500	53.88	Pk	34.6	-95.2	-47.70	-54.42	-13	-41.42	V
7.630000	54.04	Pk	35.7	-95.2	-47.00	-52.46	-13	-39.46	H
7.630000	52.53	Pk	35.7	-95.2	-47.00	-53.97	-13	-40.97	V

HSDPA MODE, ANT 1

Project #:	15496282
Date:	2025-03-26
Test Engineer:	32934
Configuration:	EUT Only
Mode:	HSDPA Band 2
Chamber #:	03-RDE-A

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705000	53.38	Pk	33.0	-95.2	-47.30	-56.12	-13	-43.12	H
3.705000	52.60	Pk	33.0	-95.2	-47.30	-56.90	-13	-43.90	V
5.557500	55.10	Pk	34.4	-95.2	-47.35	-53.05	-13	-40.05	H
5.557500	55.60	Pk	34.4	-95.2	-47.35	-52.55	-13	-39.55	V
7.409500	53.50	Pk	35.6	-95.2	-45.90	-52.00	-13	-39.00	H
7.409500	54.43	Pk	35.6	-95.2	-45.90	-51.07	-13	-38.07	V
Mid Channel, 1880MHz									
3.760000	53.51	Pk	33.1	-95.2	-47.20	-55.79	-13	-42.79	H
3.760000	55.14	Pk	33.1	-95.2	-47.20	-54.16	-13	-41.16	V
5.641000	54.12	Pk	34.5	-95.2	-47.30	-53.88	-13	-40.88	H
5.641000	54.33	Pk	34.5	-95.2	-47.30	-53.67	-13	-40.67	V
7.520500	54.83	Pk	35.7	-95.2	-46.05	-50.72	-13	-37.72	H
7.520500	53.97	Pk	35.7	-95.2	-46.05	-51.58	-13	-38.58	V
High Channel, 1907.6MHz									
3.805500	56.54	Pk	33.2	-95.2	-46.85	-52.31	-13	-39.31	V
3.808500	56.40	Pk	33.2	-95.2	-46.90	-52.50	-13	-39.50	H
5.740000	57.38	Pk	34.6	-95.2	-46.60	-49.82	-13	-36.82	H
5.747500	55.35	Pk	34.6	-95.2	-46.65	-51.90	-13	-38.90	V
7.638500	55.40	Pk	35.8	-95.2	-44.95	-48.95	-13	-35.95	H
7.642000	55.23	Pk	35.8	-95.2	-45.10	-49.27	-13	-36.27	V

HSDPA MODE, ANT 2

Project #:	15496282
Date:	2025-03-26
Test Engineer:	32934
Configuration:	EUT Only
Mode:	HSDPA Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.632000	57.50	Pk	32.8	-95.2	-47.40	-52.30	-13	-39.30	H
3.648000	57.19	Pk	32.8	-95.2	-47.30	-52.51	-13	-39.51	V
5.554500	56.93	Pk	34.4	-95.2	-48.30	-52.17	-13	-39.17	V
5.560000	55.82	Pk	34.4	-95.2	-48.30	-53.28	-13	-40.28	H
7.449000	57.55	Pk	35.7	-95.2	-47.80	-49.75	-13	-36.75	H
7.425500	55.95	Pk	35.6	-95.2	-47.70	-51.35	-13	-38.35	V
Mid Channel, 1880MHz									
3.768000	56.37	Pk	33.1	-95.2	-47.50	-53.23	-13	-40.23	H
3.760000	55.94	Pk	33.1	-95.2	-47.60	-53.76	-13	-40.76	V
5.621000	56.80	Pk	34.5	-95.2	-48.10	-52.00	-13	-39.00	V
5.649000	55.93	Pk	34.5	-95.2	-47.90	-52.67	-13	-39.67	H
7.525000	55.83	Pk	35.7	-95.2	-47.70	-51.37	-13	-38.37	H
7.534000	55.97	Pk	35.7	-95.2	-47.70	-51.23	-13	-38.23	V
High Channel, 1907.6MHz									
3.811000	56.18	Pk	33.2	-95.2	-47.60	-53.42	-13	-40.42	H
3.809500	57.08	Pk	33.2	-95.2	-47.55	-52.47	-13	-39.47	V
5.708500	55.57	Pk	34.5	-95.2	-47.70	-52.83	-13	-39.83	V
5.730500	56.18	Pk	34.6	-95.2	-47.70	-52.12	-13	-39.12	H
7.651000	55.80	Pk	35.8	-95.2	-47.20	-50.80	-13	-37.80	H
7.702500	56.49	Pk	35.8	-95.2	-47.60	-50.51	-13	-37.51	V

HSDPA MODE, ANT 3

Project #:	15496282
Date:	2025-03-27
Test Engineer:	32703
Configuration:	EUT Only
Mode:	HSDPA Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.705000	53.89	Pk	33.0	-95.2	-47.00	-55.31	-13	-42.31	H
3.705000	54.78	Pk	33.0	-95.2	-47.00	-54.42	-13	-41.42	V
5.557500	54.00	Pk	34.4	-95.2	-48.30	-55.10	-13	-42.10	H
5.557500	54.00	Pk	34.4	-95.2	-48.30	-55.10	-13	-42.10	V
7.409500	54.32	Pk	35.6	-95.2	-47.55	-52.83	-13	-39.83	H
7.409500	54.65	Pk	35.6	-95.2	-47.55	-52.50	-13	-39.50	V
Mid Channel, 1880MHz									
3.760500	54.52	Pk	33.1	-95.2	-47.55	-55.13	-13	-42.13	H
3.760500	54.59	Pk	33.1	-95.2	-47.55	-55.06	-13	-42.06	V
5.654000	55.01	Pk	34.5	-95.2	-47.90	-53.59	-13	-40.59	H
5.654000	53.74	Pk	34.5	-95.2	-47.90	-54.86	-13	-41.86	V
7.520500	54.28	Pk	35.7	-95.2	-47.70	-52.92	-13	-39.92	H
7.520500	55.66	Pk	35.7	-95.2	-47.70	-51.54	-13	-38.54	V
High Channel, 1907.6MHz									
3.815500	54.70	Pk	33.2	-95.2	-47.55	-54.85	-13	-41.85	H
3.815500	54.67	Pk	33.2	-95.2	-47.55	-54.88	-13	-41.88	V
5.722500	53.36	Pk	34.6	-95.2	-47.70	-54.94	-13	-41.94	H
5.722500	53.61	Pk	34.6	-95.2	-47.70	-54.69	-13	-41.69	V
7.630500	53.13	Pk	35.7	-95.2	-47.00	-53.37	-13	-40.37	H
7.630500	53.54	Pk	35.7	-95.2	-47.00	-52.96	-13	-39.96	V

HSDPA MODE, ANT 4

Project #:	15496282
Date:	2025-03-27
Test Engineer:	32/07
Configuration:	EUT Only
Mode:	HSDPA Band 2
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1852.4MHz									
3.704500	54.28	Pk	33.0	-95.2	-46.95	-54.87	-13	-41.87	H
3.704500	52.93	Pk	33.0	-95.2	-46.95	-56.22	-13	-43.22	V
5.557000	54.87	Pk	34.4	-95.2	-48.30	-54.23	-13	-41.23	H
5.557000	54.00	Pk	34.4	-95.2	-48.30	-55.10	-13	-42.10	V
7.409500	53.58	Pk	35.6	-95.2	-47.55	-53.57	-13	-40.57	H
7.409500	53.72	Pk	35.6	-95.2	-47.55	-53.43	-13	-40.43	V
Mid Channel, 1880MHz									
3.760500	53.72	Pk	33.1	-95.2	-47.55	-55.93	-13	-42.93	H
3.760500	54.23	Pk	33.1	-95.2	-47.55	-55.42	-13	-42.42	V
5.640000	54.59	Pk	34.5	-95.2	-48.00	-54.11	-13	-41.11	H
5.640000	53.17	Pk	34.5	-95.2	-48.00	-55.53	-13	-42.53	V
7.520500	54.44	Pk	35.7	-95.2	-47.70	-52.76	-13	-39.76	H
7.520500	54.50	Pk	35.7	-95.2	-47.70	-52.70	-13	-39.70	V
High Channel, 1907.6MHz									
3.815500	55.21	Pk	33.2	-95.2	-47.55	-54.34	-13	-41.34	H
3.815500	54.53	Pk	33.2	-95.2	-47.55	-55.02	-13	-42.02	V
5.723000	54.50	Pk	34.6	-95.2	-47.70	-53.8	-13	-40.80	H
5.723000	52.92	Pk	34.6	-95.2	-47.70	-55.38	-13	-42.38	V
7.630500	52.78	Pk	35.7	-95.2	-47.00	-53.72	-13	-40.72	H
7.630500	52.28	Pk	35.7	-95.2	-47.00	-54.22	-13	-41.22	V

10.1.5. WCDMA BAND 4

REL 99 MODE, ANT 1

Project #:	15496282
Date:	2025-03-24
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.385500	55.86	Pk	32.7	-95.2	-47.45	-54.09	-13	-41.09	V
3.403500	57.47	Pk	32.8	-95.2	-47.55	-52.48	-13	-39.48	H
5.140500	57.58	Pk	34.1	-95.2	-49.20	-52.72	-13	-39.72	H
5.116000	58.22	Pk	34.0	-95.2	-49.00	-51.98	-13	-38.98	V
6.950500	54.65	Pk	35.6	-95.2	-46.50	-51.45	-13	-38.45	V
6.959000	56.05	Pk	35.6	-95.2	-46.40	-49.95	-13	-36.95	H
Mid Channel, 1732.6MHz									
3.428000	56.42	Pk	32.8	-95.2	-47.50	-53.48	-13	-40.48	V
3.447000	56.54	Pk	32.8	-95.2	-47.40	-53.26	-13	-40.26	H
5.223000	56.94	Pk	34.1	-95.2	-48.70	-52.86	-13	-39.86	H
5.248500	56.62	Pk	34.2	-95.2	-48.70	-53.08	-13	-40.08	V
6.926500	55.66	Pk	35.6	-95.2	-46.40	-50.34	-13	-37.34	V
6.929000	56.06	Pk	35.6	-95.2	-46.40	-49.94	-13	-36.94	H
High Channel, 1752.6MHz									
3.479500	56.38	Pk	32.7	-95.2	-47.10	-53.22	-13	-40.22	V
3.499500	56.17	Pk	32.7	-95.2	-46.85	-53.18	-13	-40.18	H
5.213000	56.27	Pk	34.1	-95.2	-48.70	-53.53	-13	-40.53	V
5.238000	56.24	Pk	34.2	-95.2	-48.60	-53.36	-13	-40.36	H
6.994500	55.71	Pk	35.6	-95.2	-46.80	-50.69	-13	-37.69	V
7.000000	55.89	Pk	35.6	-95.2	-46.80	-50.51	-13	-37.51	H

REL 99 MODE, ANT 2

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.407000	56.06	Pk	32.8	-95.2	-47.50	-53.84	-13	-40.84	V
3.434000	56.64	Pk	32.8	-95.2	-47.60	-53.36	-13	-40.36	H
5.142500	56.85	Pk	34.1	-95.2	-49.15	-53.40	-13	-40.40	V
5.152000	58.59	Pk	34.1	-95.2	-49.20	-51.71	-13	-38.71	H
6.857000	54.44	Pk	35.6	-95.2	-47.00	-52.16	-13	-39.16	H
6.866000	55.55	Pk	35.6	-95.2	-47.10	-51.15	-13	-38.15	V
Mid Channel, 1732.6MHz									
3.448500	56.56	Pk	32.8	-95.2	-47.45	-53.29	-13	-40.29	H
3.450000	57.21	Pk	32.8	-95.2	-47.40	-52.59	-13	-39.59	V
5.155000	57.93	Pk	34.1	-95.2	-49.00	-52.17	-13	-39.17	V
5.190000	56.76	Pk	34.0	-95.2	-48.90	-53.34	-13	-40.34	H
6.925500	55.48	Pk	35.6	-95.2	-46.40	-50.52	-13	-37.52	V
6.931000	54.52	Pk	35.6	-95.2	-46.40	-51.48	-13	-38.48	H
High Channel, 1752.6MHz									
2.154000	57.19	Pk	31.5	-95.2	-49.80	-56.31	-13	-43.31	H
2.154000	69.40	Pk	31.5	-95.2	-49.80	-44.10	-13	-31.10	V
3.505500	54.32	Pk	32.7	-95.2	-46.85	-55.03	-13	-42.03	H
3.505500	53.63	Pk	32.7	-95.2	-46.85	-55.72	-13	-42.72	V
5.258000	56.29	Pk	34.2	-95.2	-48.80	-53.51	-13	-40.51	H
5.258000	54.51	Pk	34.2	-95.2	-48.80	-55.29	-13	-42.29	V

REL 99 MODE, ANT 3

Project #:	15496282
Date:	2025-03-25
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.415000	55.82	Pk	32.8	-95.2	-47.50	-54.08	-13	-41.08	V
3.427000	56.75	Pk	32.8	-95.2	-47.50	-53.15	-13	-40.15	H
5.133000	57.41	Pk	34.1	-95.2	-49.20	-52.89	-13	-39.89	H
5.119000	58.39	Pk	34.1	-95.2	-49.10	-51.81	-13	-38.81	V
6.835000	55.16	Pk	35.6	-95.2	-47.00	-51.44	-13	-38.44	H
6.836500	55.17	Pk	35.6	-95.2	-47.00	-51.43	-13	-38.43	V
Mid Channel, 1732.6MHz									
3.439000	55.47	Pk	32.8	-95.2	-46.80	-53.73	-13	-40.73	V
3.465500	55.02	Pk	32.9	-95.2	-46.60	-53.88	-13	-40.88	H
5.178000	55.92	Pk	34.3	-95.2	-47.80	-52.78	-13	-39.78	V
5.193000	56.08	Pk	34.3	-95.2	-47.80	-52.62	-13	-39.62	H
6.872000	54.05	Pk	35.8	-95.2	-45.10	-50.45	-13	-37.45	V
6.919500	54.54	Pk	35.8	-95.2	-46.10	-50.96	-13	-37.96	H
High Channel, 1752.6MHz									
2.152000	57.84	Pk	31.6	-95.2	-49.80	-55.56	-13	-42.56	H
2.152500	70.09	Pk	31.6	-95.2	-49.80	-43.31	-13	-30.31	V
3.505000	52.11	Pk	32.7	-95.2	-46.90	-57.29	-13	-44.29	H
3.505000	53.49	Pk	32.7	-95.2	-46.90	-55.91	-13	-42.91	V
5.257500	54.59	Pk	34.2	-95.2	-48.80	-55.21	-13	-42.21	H
5.257500	55.06	Pk	34.2	-95.2	-48.80	-54.74	-13	-41.74	V

REL 99 MODE, ANT 4

Project #:	15496282
Date:	2025-03-26
Test Engineer:	32703
Configuration:	EUT Only
Mode:	REL 99 Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.413000	55.38	Pk	32.8	-95.2	-47.50	-54.52	-13	-41.52	V
3.425500	55.29	Pk	32.8	-95.2	-47.45	-54.56	-13	-41.56	H
5.138500	57.25	Pk	34.1	-95.2	-49.10	-52.95	-13	-39.95	H
5.133000	57.82	Pk	34.1	-95.2	-49.20	-52.48	-13	-39.48	V
6.871500	56.10	Pk	35.6	-95.2	-47.00	-50.50	-13	-37.50	H
6.874500	54.95	Pk	35.6	-95.2	-47.00	-51.65	-13	-38.65	V
Mid Channel, 1732.6MHz									
3.445500	55.21	Pk	32.8	-95.2	-47.45	-54.64	-13	-41.64	H
3.458500	55.90	Pk	32.8	-95.2	-47.30	-53.80	-13	-40.80	V
5.178500	56.73	Pk	34.1	-95.2	-48.90	-53.27	-13	-40.27	H
5.192000	57.20	Pk	34.0	-95.2	-49.00	-53.00	-13	-40.00	V
6.930500	54.46	Pk	35.6	-95.2	-46.40	-51.54	-13	-38.54	H
6.947500	54.98	Pk	35.6	-95.2	-46.50	-51.12	-13	-38.12	V
High Channel, 1752.6MHz									
3.501000	55.15	Pk	32.7	-95.2	-46.80	-54.15	-13	-41.15	V
3.490500	55.55	Pk	32.7	-95.2	-46.75	-53.70	-13	-40.70	H
5.266500	56.10	Pk	34.2	-95.2	-48.85	-53.75	-13	-40.75	H
5.282500	57.41	Pk	34.2	-95.2	-48.70	-52.29	-13	-39.29	V
7.021000	55.66	Pk	35.6	-95.2	-47.00	-50.94	-13	-37.94	H
7.038500	55.39	Pk	35.6	-95.2	-47.25	-51.46	-13	-38.46	V

HSDPA MODE, ANT 1

Project #:	15496282
Date:	2025-03-26
Test Engineer:	32934
Configuration:	EUT Only
Mode:	HSDPA Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.420500	56.13	Pk	32.8	-95.2	-47.55	-53.82	-13	-40.82	V
3.429000	56.88	Pk	32.8	-95.2	-47.50	-53.02	-13	-40.02	H
5.132000	57.11	Pk	34.1	-95.2	-49.00	-52.99	-13	-39.99	H
5.110500	57.38	Pk	34	-95.2	-49.10	-52.92	-13	-39.92	V
6.833500	54.87	Pk	35.6	-95.2	-47.00	-51.73	-13	-38.73	V
6.859000	55.32	Pk	35.6	-95.2	-47.00	-51.28	-13	-38.28	H
Mid Channel, 1732.6MHz									
3.455000	55.93	Pk	32.8	-95.2	-47.30	-53.77	-13	-40.77	V
3.474500	55.90	Pk	32.7	-95.2	-47.10	-53.70	-13	-40.70	H
5.182500	56.75	Pk	34.0	-95.2	-49.00	-53.45	-13	-40.45	V
5.187500	57.46	Pk	34.0	-95.2	-49.00	-52.74	-13	-39.74	H
6.966236	56.42	Pk	35.6	-95.2	-46.50	-49.68	-13	-36.68	H
6.961000	55.13	Pk	35.6	-95.2	-46.40	-50.87	-13	-37.87	V
High Channel, 1752.6MHz									
3.508500	55.42	Pk	32.7	-95.2	-46.95	-54.03	-13	-41.03	H
3.486500	55.70	Pk	32.7	-95.2	-46.90	-53.70	-13	-40.70	V
5.216449	58.28	Pk	34.1	-95.2	-48.76	-51.58	-13	-38.58	V
5.223500	56.19	Pk	34.1	-95.2	-48.70	-53.61	-13	-40.61	H
7.003000	55.87	Pk	35.6	-95.2	-46.80	-50.53	-13	-37.53	V
7.017500	55.32	Pk	35.6	-95.2	-46.95	-51.23	-13	-38.23	H

HSDPA MODE, ANT 2

Project #:	15496282
Date:	2025-03-26
Test Engineer:	32934
Configuration:	EUT Only
Mode:	HSDPA Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.389000	56.21	Pk	32.7	-95.2	-47.60	-53.89	-13	-40.89	V
3.423000	56.12	Pk	32.8	-95.2	-47.50	-53.78	-13	-40.78	H
5.128000	57.49	Pk	34.1	-95.2	-49.10	-52.71	-13	-39.71	H
5.102000	56.79	Pk	34.0	-95.2	-49.10	-53.51	-13	-40.51	V
6.860500	55.20	Pk	35.6	-95.2	-47.00	-51.40	-13	-38.40	H
6.862500	55.80	Pk	35.6	-95.2	-47.05	-50.85	-13	-37.85	V
Mid Channel, 1732.6MHz									
3.475500	56.01	Pk	32.7	-95.2	-47.10	-53.59	-13	-40.59	H
3.479646	57.62	Pk	32.7	-95.2	-47.10	-51.98	-13	-38.98	V
5.173000	56.94	Pk	34.1	-95.2	-48.80	-52.96	-13	-39.96	V
5.203000	57.63	Pk	34.1	-95.2	-48.90	-52.37	-13	-39.37	H
6.943500	54.88	Pk	35.6	-95.2	-46.50	-51.22	-13	-38.22	H
6.964500	55.93	Pk	35.6	-95.2	-46.40	-50.07	-13	-37.07	V
High Channel, 1752.6MHz									
3.500500	55.15	Pk	32.7	-95.2	-46.80	-54.15	-13	-41.15	H
3.485500	55.87	Pk	32.7	-95.2	-46.90	-53.53	-13	-40.53	V
5.259000	56.87	Pk	34.2	-95.2	-48.80	-52.93	-13	-39.93	H
5.266000	56.89	Pk	34.2	-95.2	-48.90	-53.01	-13	-40.01	V
6.936500	56.46	Pk	35.6	-95.2	-46.55	-49.69	-13	-36.69	V
6.981500	56.05	Pk	35.6	-95.2	-46.55	-50.10	-13	-37.10	H

HSDPA MODE, ANT 3

Project #:	15496282
Date:	2025-03-27
Test Engineer:	32703
Configuration:	EUT Only
Mode:	HSDPA Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.425000	54.77	Pk	32.8	-95.2	-47.40	-55.03	-13	-42.03	H
3.425000	54.42	Pk	32.8	-95.2	-47.40	-55.38	-13	-42.38	V
5.137500	55.10	Pk	34.1	-95.2	-49.05	-55.05	-13	-42.05	H
5.137500	57.63	Pk	34.1	-95.2	-49.05	-52.52	-13	-39.52	V
6.849500	53.09	Pk	35.6	-95.2	-47.05	-53.56	-13	-40.56	H
6.849500	52.32	Pk	35.6	-95.2	-47.05	-54.33	-13	-41.33	V
Mid Channel, 1732.6MHz									
3.424500	54.62	Pk	32.8	-95.2	-47.50	-55.28	-13	-42.28	H
3.424500	54.87	Pk	32.8	-95.2	-47.50	-55.03	-13	-42.03	V
5.137500	56.09	Pk	34.1	-95.2	-49.05	-54.06	-13	-41.06	H
5.137500	55.03	Pk	34.1	-95.2	-49.05	-55.12	-13	-42.12	V
6.849500	52.48	Pk	35.6	-95.2	-47.05	-54.17	-13	-41.17	H
6.849500	53.67	Pk	35.6	-95.2	-47.05	-52.98	-13	-39.98	V
High Channel, 1752.6MHz									
3.505500	53.05	Pk	32.7	-95.2	-46.85	-56.30	-13	-43.30	H
3.505500	53.62	Pk	32.7	-95.2	-46.85	-55.73	-13	-42.73	V
5.258000	54.53	Pk	34.2	-95.2	-48.80	-55.27	-13	-42.27	H
5.258000	54.42	Pk	34.2	-95.2	-48.80	-55.38	-13	-42.38	V
7.010500	53.23	Pk	35.6	-95.2	-46.90	-53.27	-13	-40.27	H
7.010500	54.50	Pk	35.6	-95.2	-46.90	-52.00	-13	-39.00	V

HSDPA MODE, ANT 4

Project #:	15496282
Date:	2025-03-27
Test Engineer:	32703
Configuration:	EUT Only
Mode:	HSDPA Band 4
Chamber #:	03-RDE-B

Frequency (GHz)	Meter Reading (dBuV)	Det	223084 ACF (dB/m)	EIRP CF	Gain/Loss (dB)	Corrected Reading (dBm)	LIMIT (dB)	Margin (dB)	Polarity
Low Channel, 1712.4MHz									
3.424500	55.64	Pk	32.8	-95.2	-47.50	-54.26	-13	-41.26	H
3.424500	54.11	Pk	32.8	-95.2	-47.50	-55.79	-13	-42.79	V
5.137500	55.68	Pk	34.1	-95.2	-49.05	-54.47	-13	-41.47	H
5.137500	57.93	Pk	34.1	-95.2	-49.05	-52.22	-13	-39.22	V
6.849500	54.55	Pk	35.6	-95.2	-47.05	-52.10	-13	-39.10	H
6.849500	55.98	Pk	35.6	-95.2	-47.05	-50.67	-13	-37.67	V
Mid Channel, 1732.6MHz									
3.465500	53.82	Pk	32.7	-95.2	-47.25	-55.93	-13	-42.93	H
3.465500	55.31	Pk	32.7	-95.2	-47.25	-54.44	-13	-41.44	V
5.197500	55.23	Pk	34.1	-95.2	-49.00	-54.87	-13	-41.87	H
5.197500	55.23	Pk	34.1	-95.2	-49.00	-54.87	-13	-41.87	V
6.930500	53.01	Pk	35.6	-95.2	-46.40	-52.99	-13	-39.99	H
6.930500	52.28	Pk	35.6	-95.2	-46.40	-53.72	-13	-40.72	V
High Channel, 1752.6MHz									
3.503000	54.71	Pk	32.7	-95.2	-46.80	-54.59	-13	-41.59	V
3.505500	55.57	Pk	32.7	-95.2	-46.85	-53.78	-13	-40.78	H
5.217500	57.40	Pk	34.1	-95.2	-48.70	-52.40	-13	-39.40	V
5.237500	56.13	Pk	34.2	-95.2	-48.60	-53.47	-13	-40.47	H
7.024500	56.10	Pk	35.6	-95.2	-47.05	-50.55	-13	-37.55	H
7.043500	55.39	Pk	35.6	-95.2	-47.25	-51.46	-13	-38.46	V

11. SETUP PHOTOS

Refer to 15496282-EP1 for setup photos.

END OF REPORT