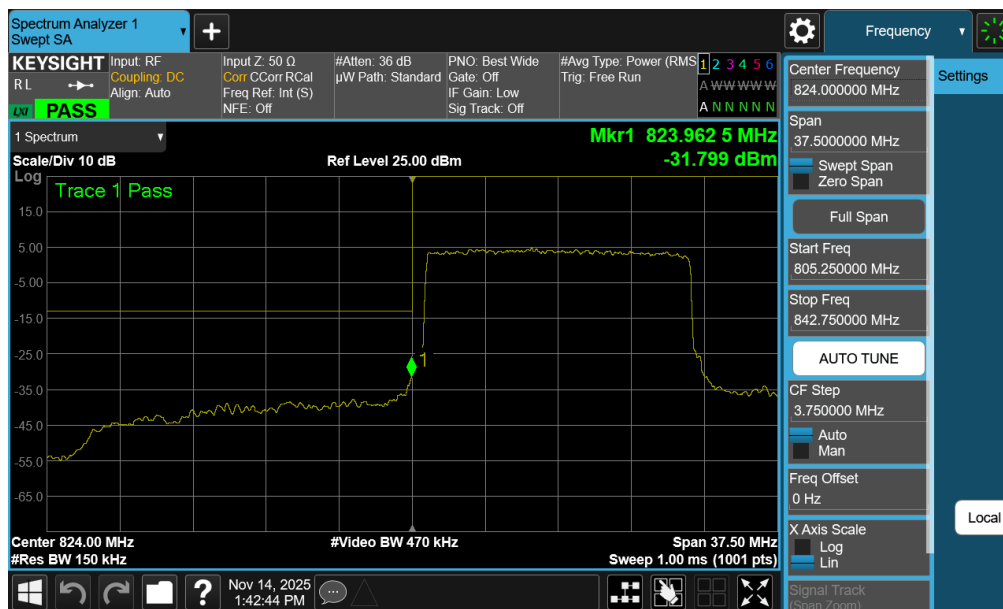


Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	Band Edge	-16.78	-13	-3.78
		High	Band Edge	-16.51	-13	-3.51
WCDMA-Cell	5MHz	Low	Band Edge	-23.04	-13	-10.04
		High	Band Edge	-21.95	-13	-8.95
LTE-B26-5	15 MHz	Low	Band Edge	-31.80	-13	-18.80
		High	Band Edge	-32.18	-13	-19.18
	10 MHz	Low	Band Edge	-27.43	-13	-14.43
		High	Band Edge	-28.72	-13	-15.72
	5 MHz	Low	Band Edge	-20.70	-13	-7.70
		High	Band Edge	-22.84	-13	-9.84
	3 MHz	Low	Band Edge	-17.03	-13	-4.03
		High	Band Edge	-16.58	-13	-3.58
	1.4 MHz	Low	Band Edge	-19.02	-13	-6.02
		High	Band Edge	-16.97	-13	-3.97
NR-n5	20 MHz	Low	Band Edge	-29.63	-13	-16.63
		High	Band Edge	-31.46	-13	-18.46
	15 MHz	Low	Band Edge	-29.59	-13	-16.59
		High	Band Edge	-33.27	-13	-20.27
	10 MHz	Low	Band Edge	-27.09	-13	-14.09
		High	Band Edge	-31.11	-13	-18.11
	5 MHz	Low	Band Edge	-21.00	-13	-8.00
		High	Band Edge	-22.15	-13	-9.15

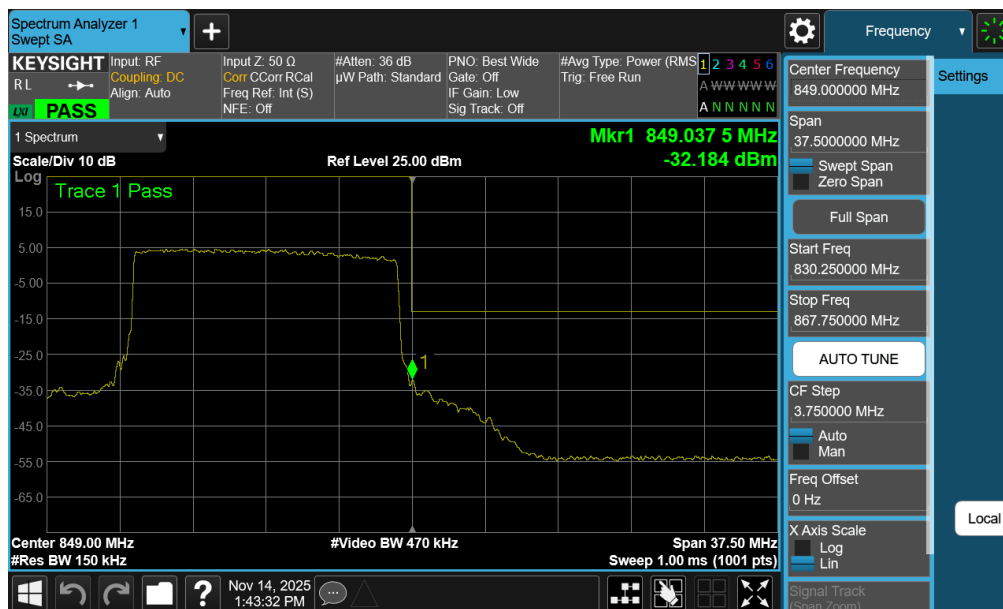
Table 7-11. Conducted Band Edge Results – Ant2

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 104 of 162

LTE Band 26/5 – Ant2

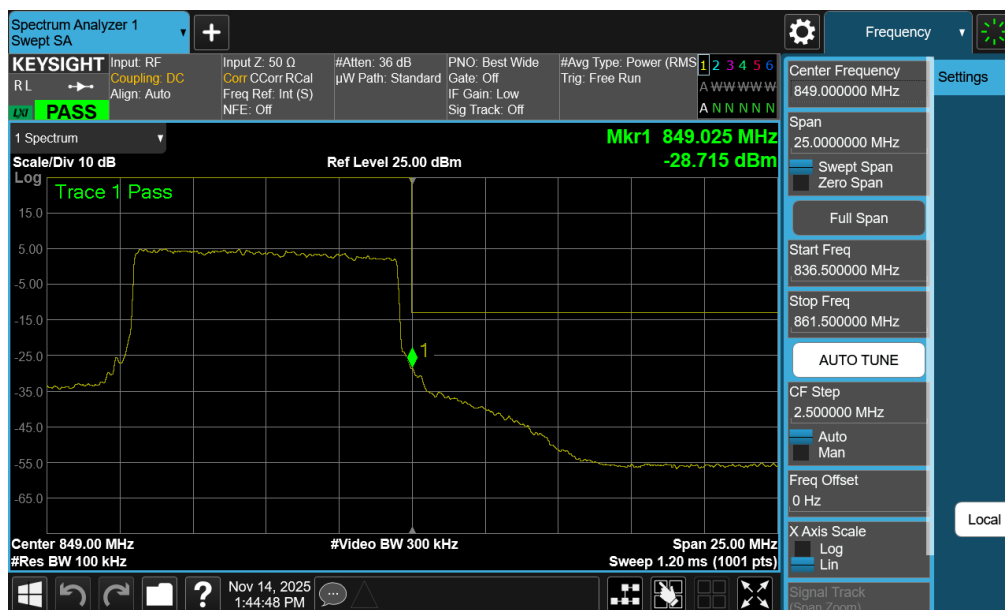
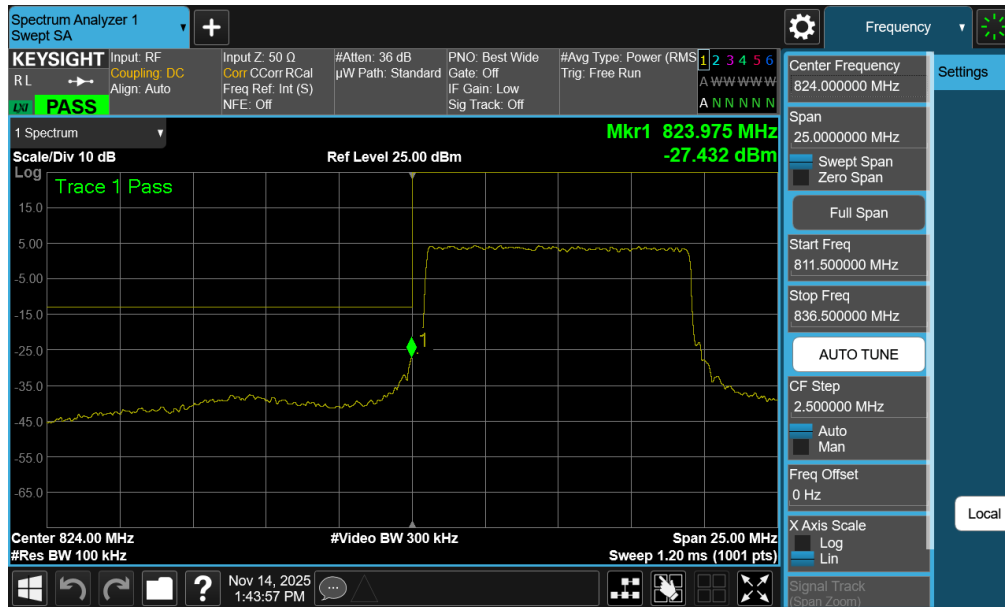


Plot 7-145. Lower Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant2)

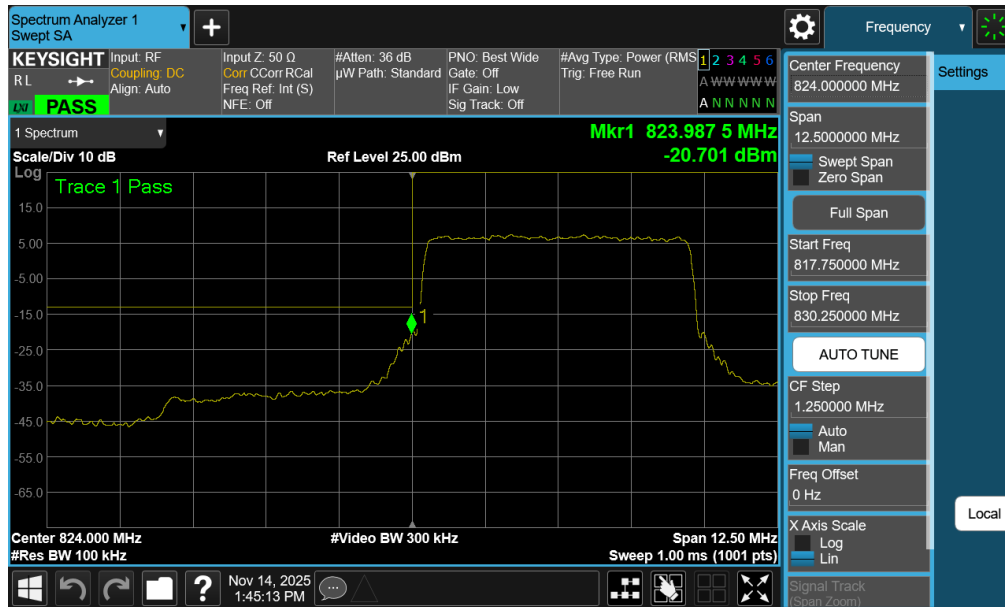


Plot 7-146. Upper Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 105 of 162



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 106 of 162

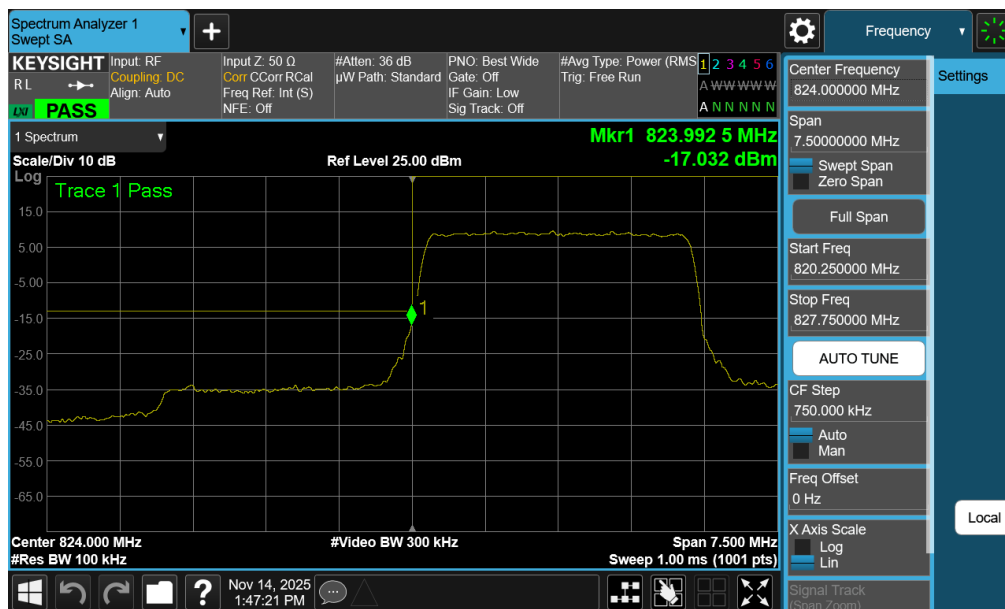


Plot 7-149. Lower Band Edge Plot (LTE Band 26/5 - 5MHz QPSK – Full RB - Ant2)

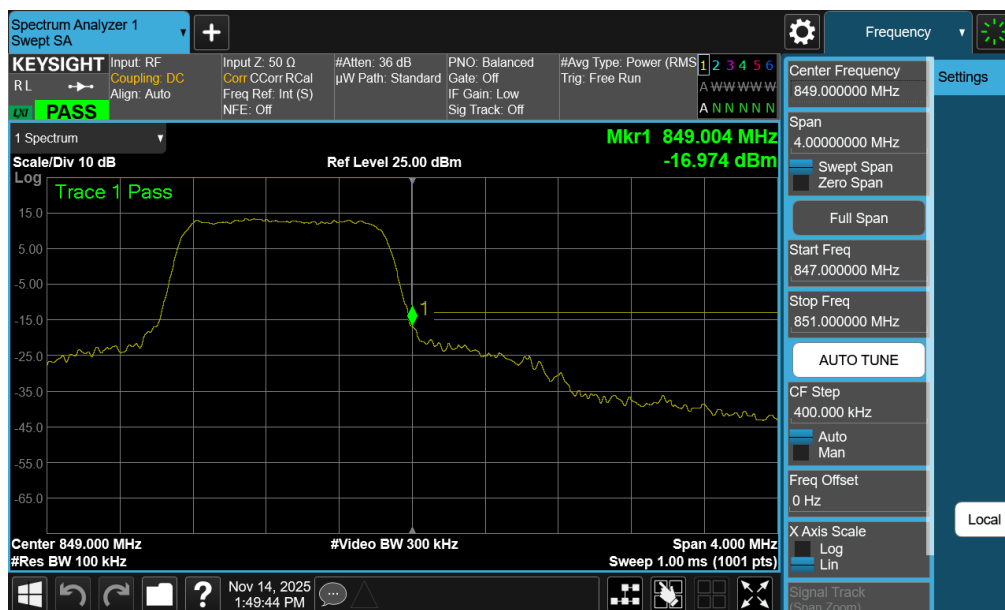
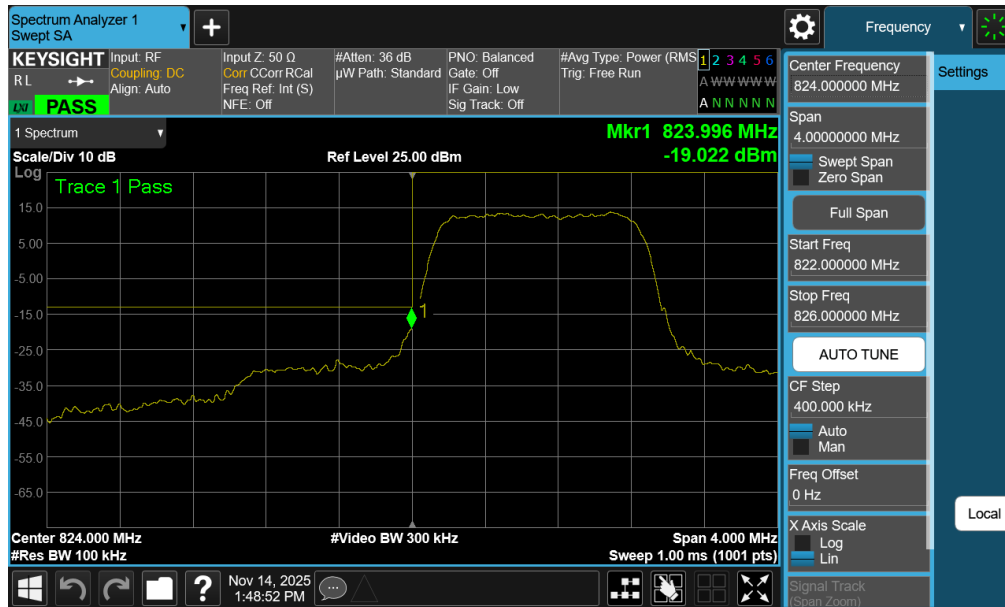


Plot 7-150. Upper Band Edge Plot (LTE Band 26/5 - 5MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 107 of 162

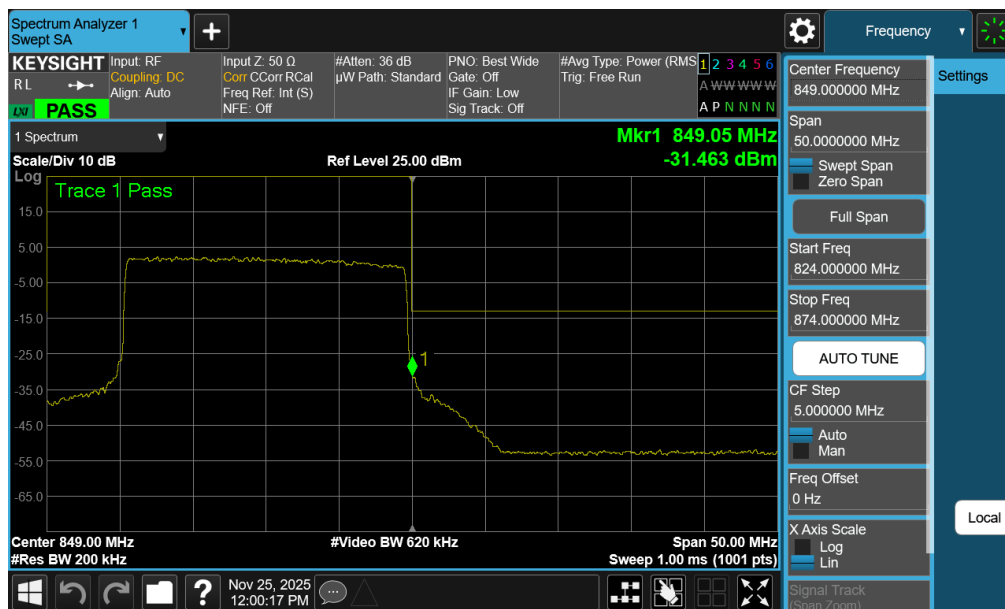
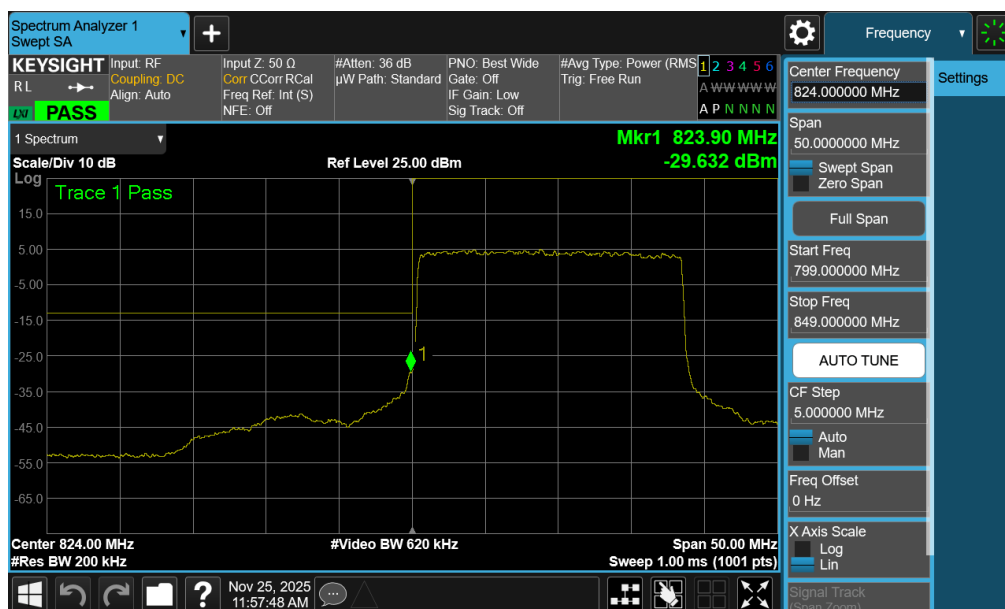


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 108 of 162

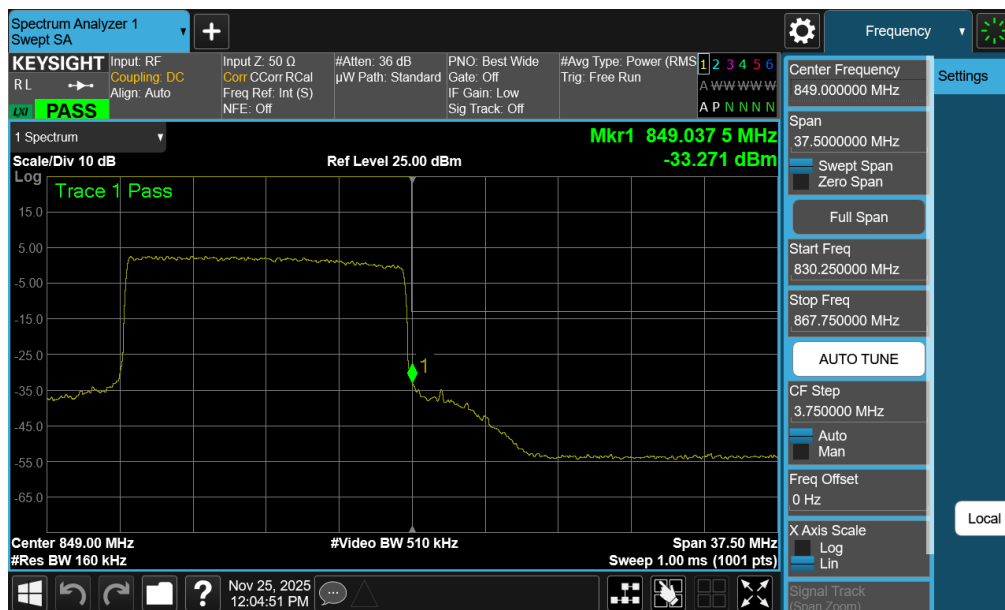
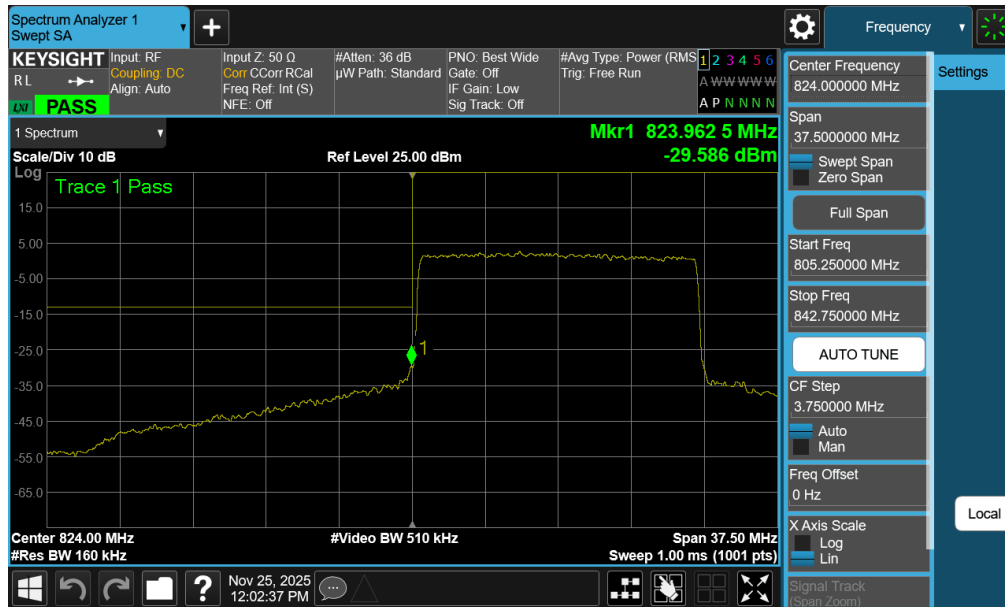


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 109 of 162

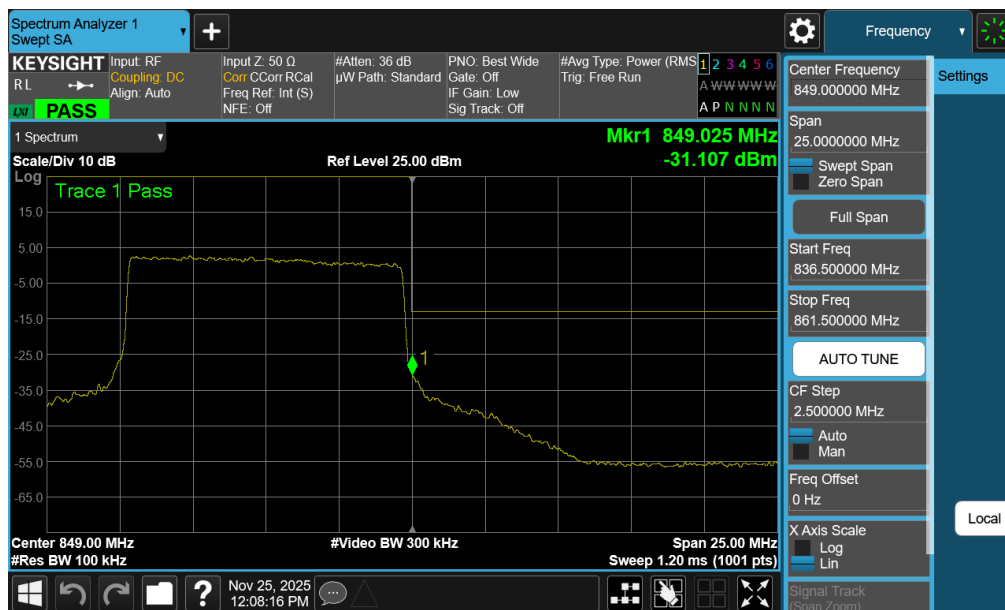
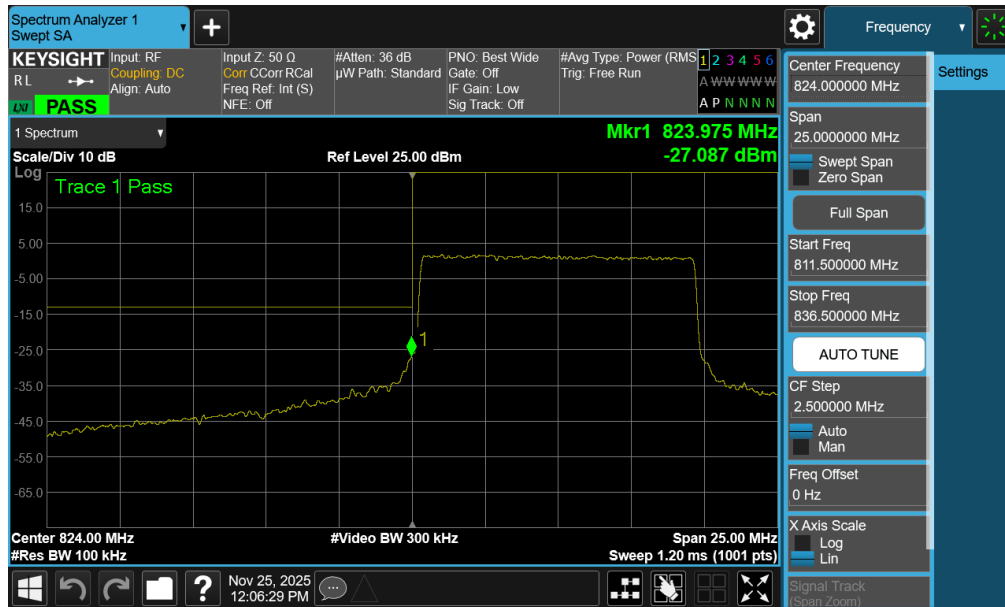
NR Band n5 – Ant2



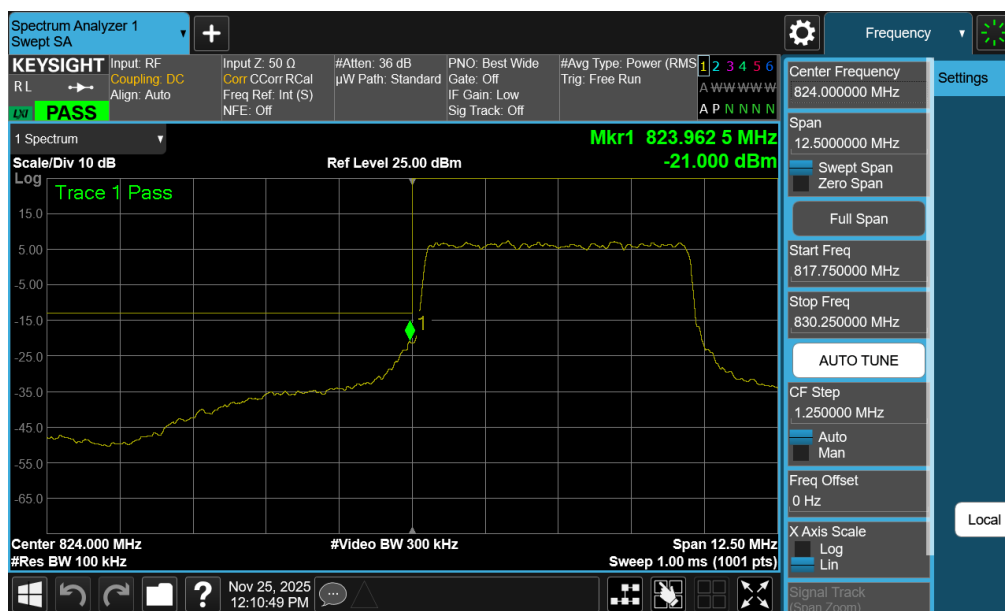
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 110 of 162



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 111 of 162

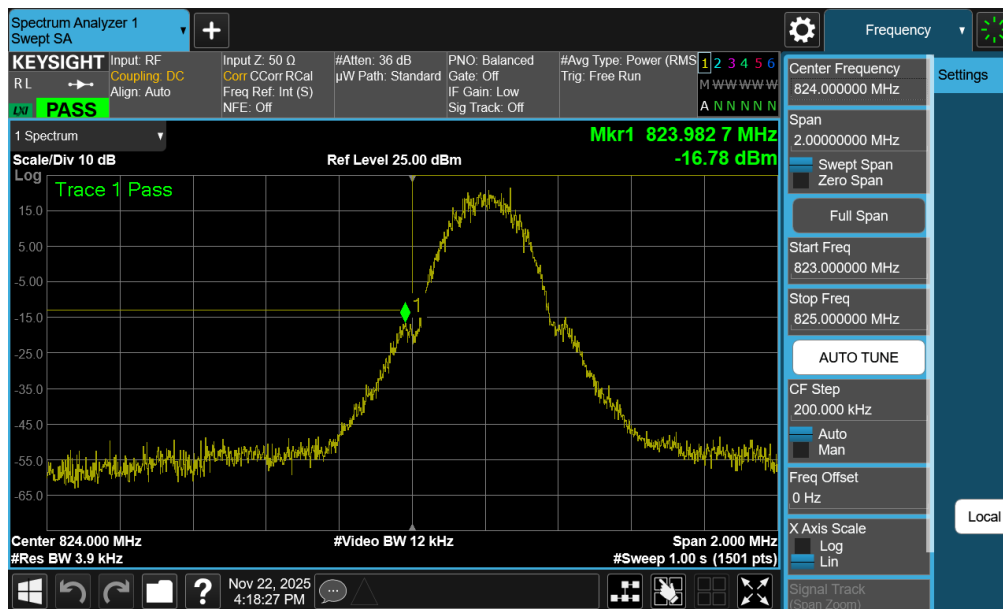


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 112 of 162

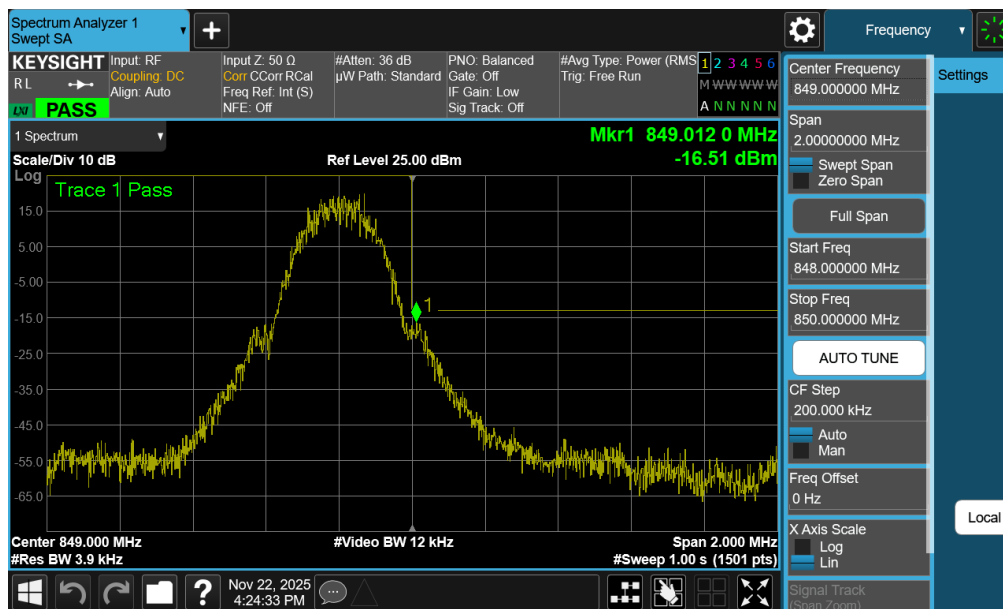


FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 113 of 162

GSM/GPRS Cell – Ant2



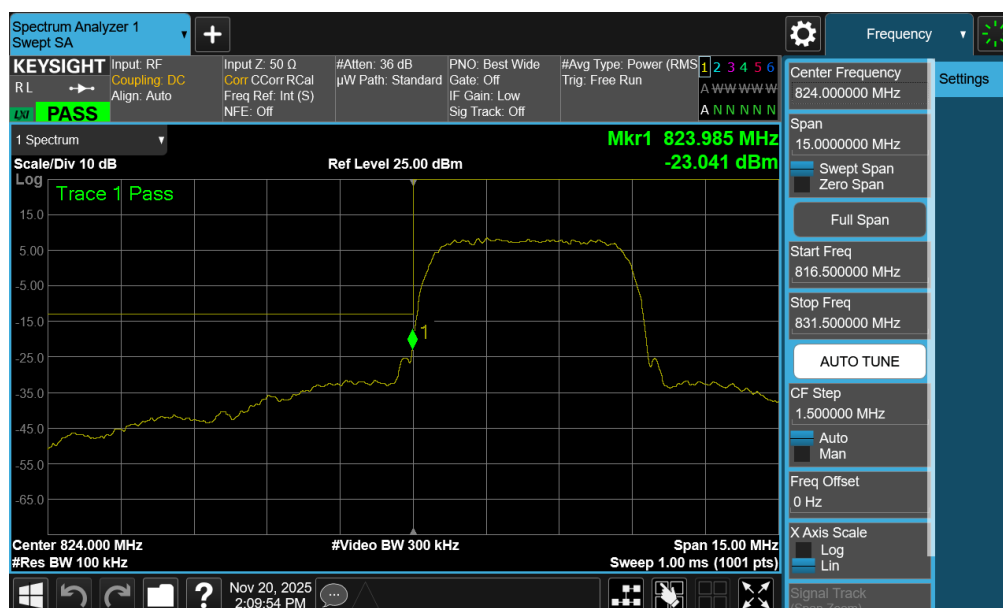
Plot 7-163. Lower Band Edge Plot (GPRS Cell – Ch. 128 – Ant2)



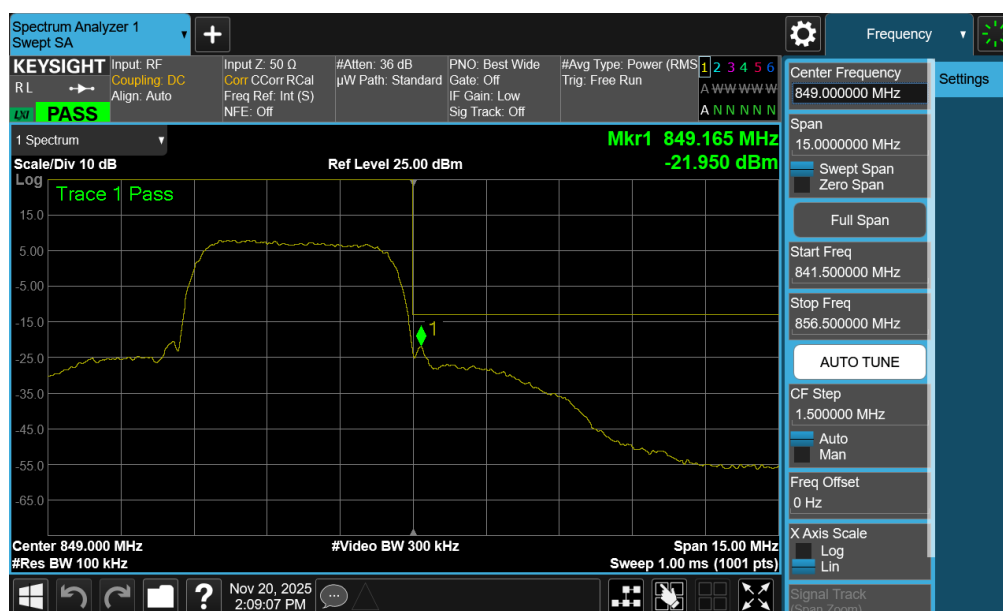
Plot 7-164. Upper Band Edge Plot (GPRS Cell – Ch. 251 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 114 of 162

WCDMA Cell – Ant2



Plot 7-165. Lower Band Edge Plot (WCDMA Cell – Ch. 4132 – Ant2)



Plot 7-166. Upper Band Edge Plot (WCDMA Cell – Ch. 4233 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 115 of 162

7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26:2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

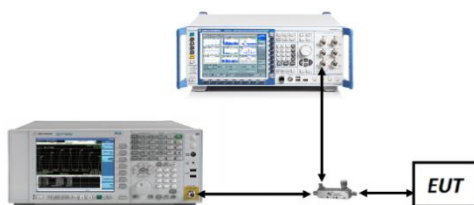


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

Per RSS-132 and FCC Part 22 requirements, only the worst-case modulation scheme (256QAM) and one representative bandwidth per band are tested. This approach is based on regulatory guidance that the highest-order modulation and a single bandwidth representing the worst-case condition are sufficient to demonstrate compliance. Testing all bandwidths is not required as it does not affect the maximum output power or compliance margin.

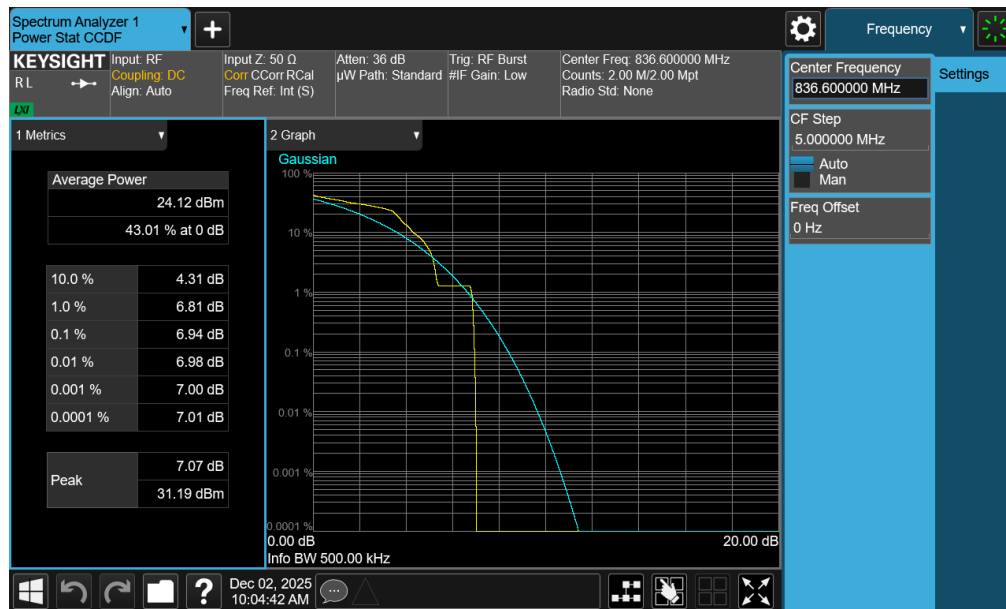
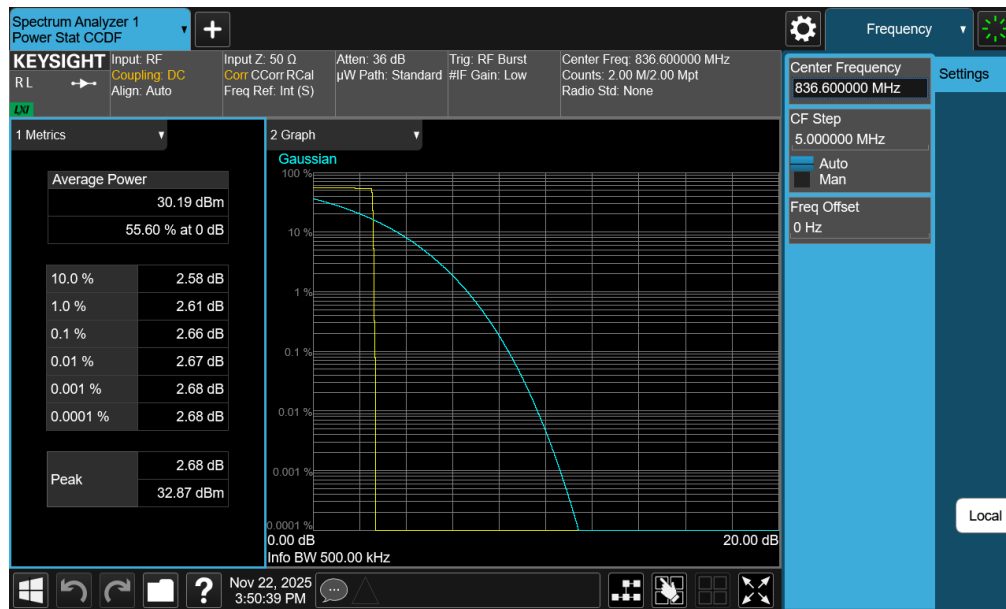
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 116 of 162

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM850	N/A	GMSK	30.19	2.66	13	-10.34
EDGE850		8-PSK	24.12	6.94	13	-6.06
WCDMA850		Spread Spectrum	24.20	3.31	13	-9.69
LTE Band 26/5	15MHz (Band 26 only)	QPSK	23.39	4.12	13	-8.88
		256QAM	19.16	5.04	13	-7.96
	10 MHz	QPSK	23.22	4.42	13	-8.58
		256QAM	19.03	5.27	13	-7.73
	5 MHz	QPSK	23.22	4.41	13	-8.59
		256QAM	19.07	5.23	13	-7.77
	3 MHz	QPSK	23.23	4.39	13	-8.61
		256QAM	19.03	5.25	13	-7.75
	1.4 MHz	QPSK	23.39	4.12	13	-8.88
		256QAM	19.16	5.04	13	-7.96
NR-n26-5	20 MHz	$\pi/2$ BPSK	24.03	3.84	13	-9.16
		QPSK	21.42	6.58	13	-6.42
		256QAM	17.76	7.45	13	-5.55
	15 MHz	$\pi/2$ BPSK	23.84	3.88	13	-9.12
		QPSK	21.38	6.51	13	-6.49
		256QAM	17.75	7.44	13	-5.56
	10 MHz	$\pi/2$ BPSK	24.04	3.93	13	-9.07
		QPSK	21.60	6.84	13	-6.16
		256QAM	18.07	7.65	13	-5.35
	5 MHz	$\pi/2$ BPSK	24.03	4.10	13	-8.90
		QPSK	21.59	6.88	13	-6.12
		256QAM	18.09	7.46	13	-5.54

Table 7-12. Peak-Average Ratio Results – Ant1

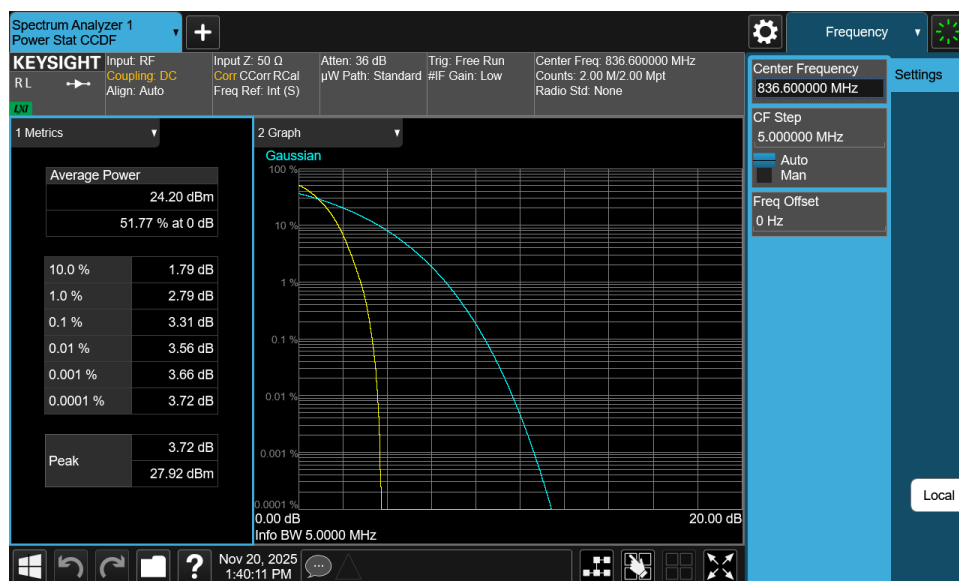
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 117 of 162

GP RS Cell – Ant1



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 118 of 162

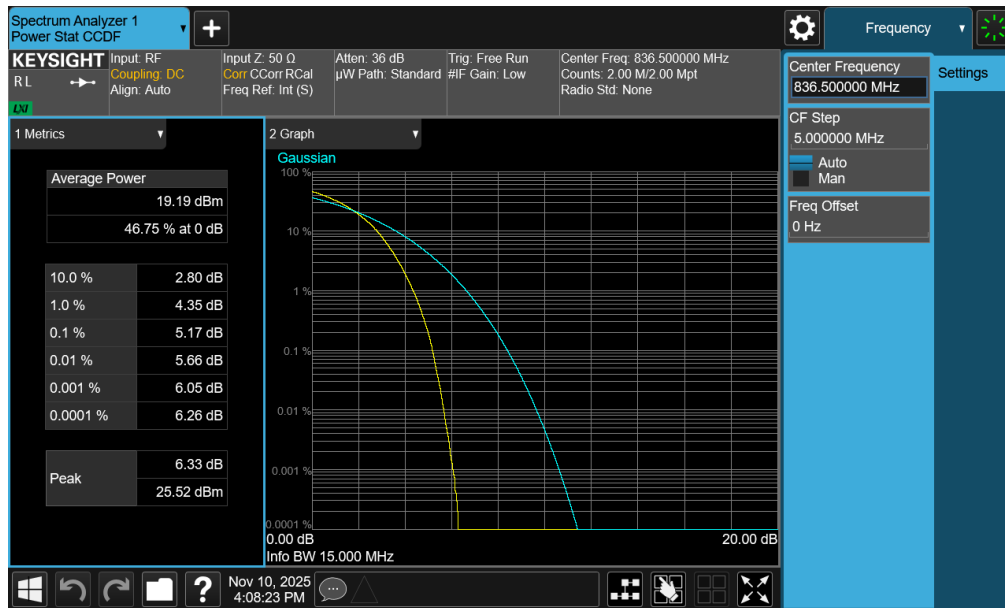
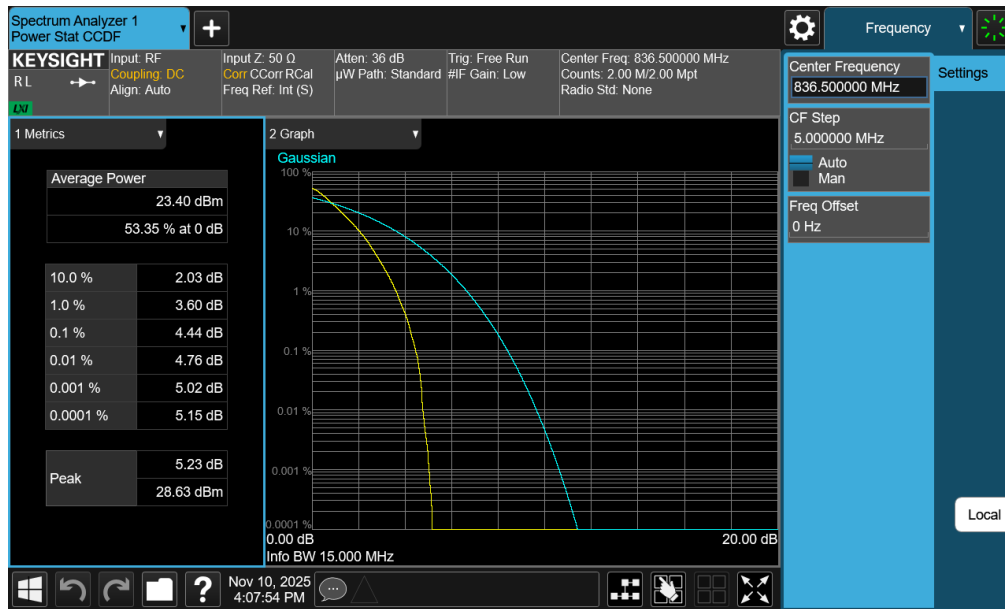
WCDMA Cell – Ant1



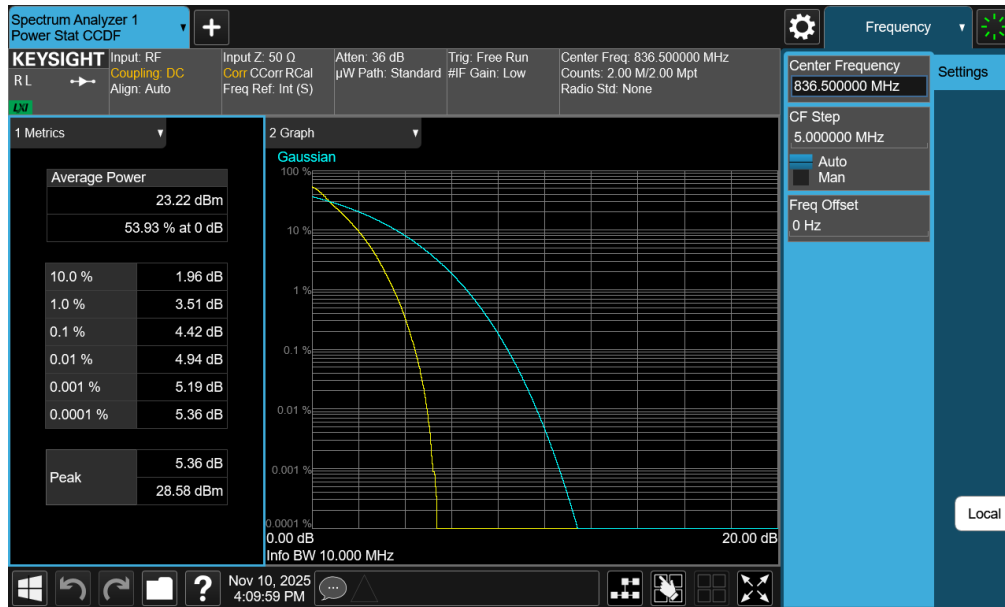
Plot 7-169. Peak-Average Ratio Plot (WCDMA, Ch. 4183 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 119 of 162

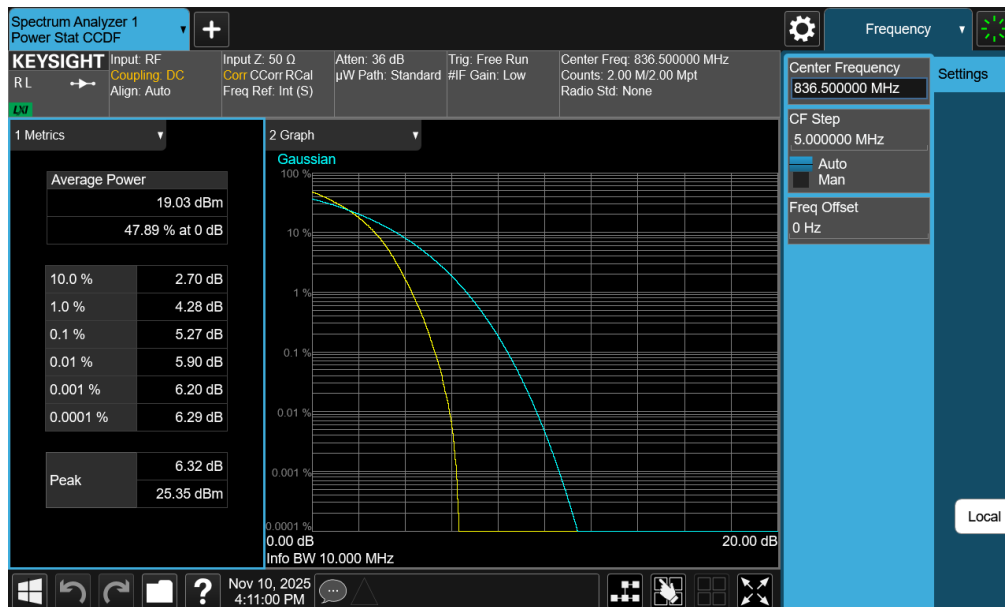
LTE Band 26/5 – Ant1



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 120 of 162



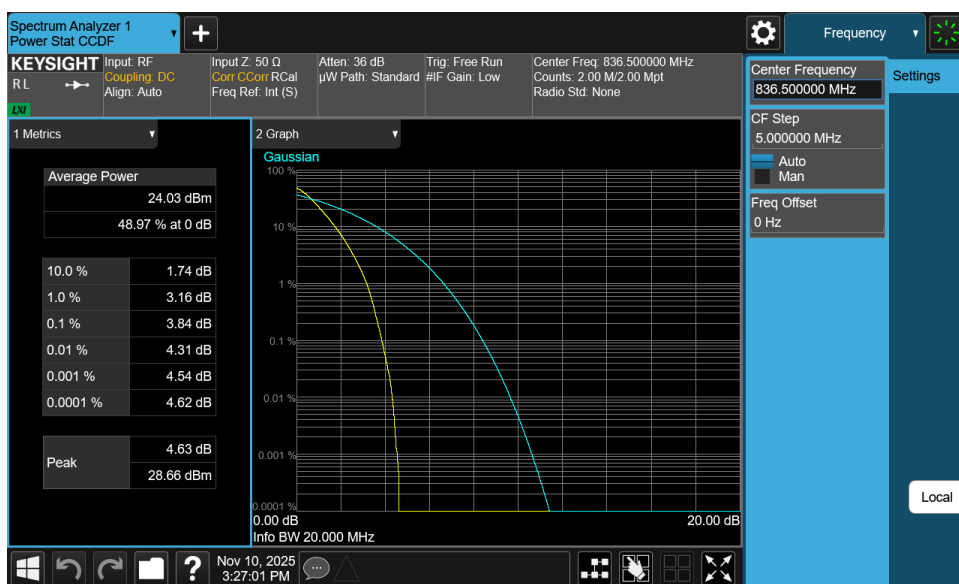
Plot 7-172. Peak-Average Ratio Plot (LTE Band 26/5 - 10MHz QPSK - Full RB - Ant1)



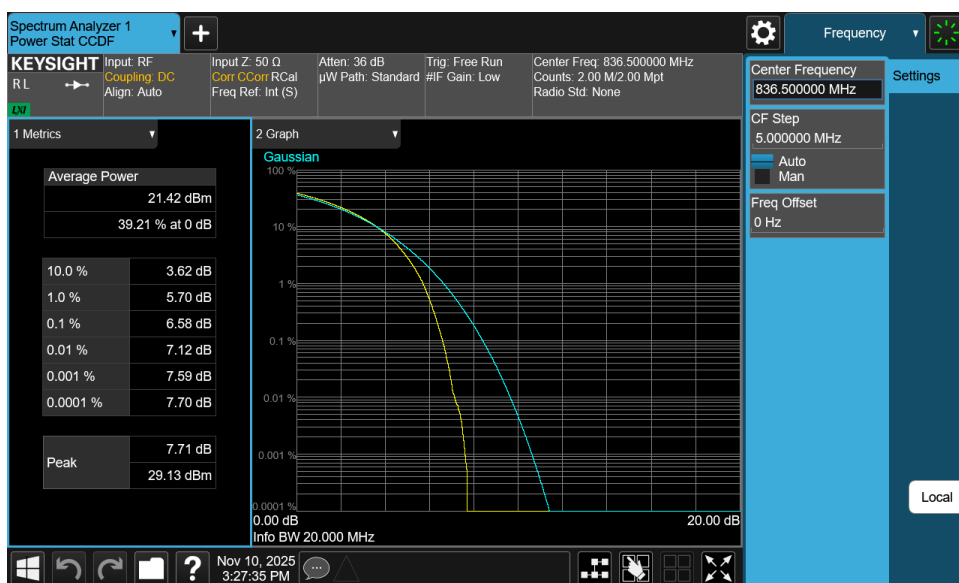
Plot 7-173. Peak-Average Ratio Plot (LTE Band 26/5 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 121 of 162

NR Band n5 – Ant1

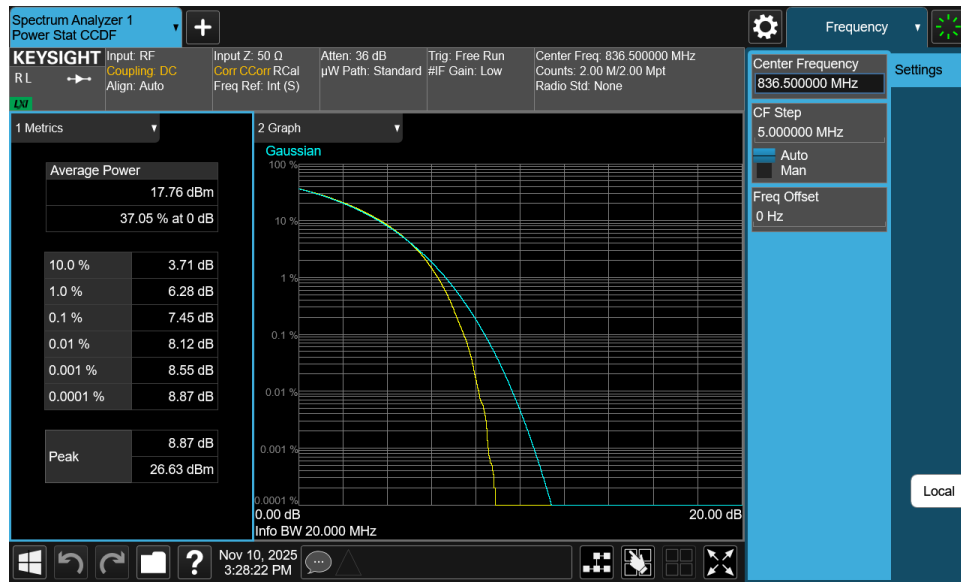


Plot 7-174. Peak-Average Ratio Plot (NR Band n5 - 20MHz $\pi/2$ BPSK - Full RB - Ant1)



Plot 7-175. Peak-Average Ratio Plot (NR Band n5 - 20MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 122 of 162



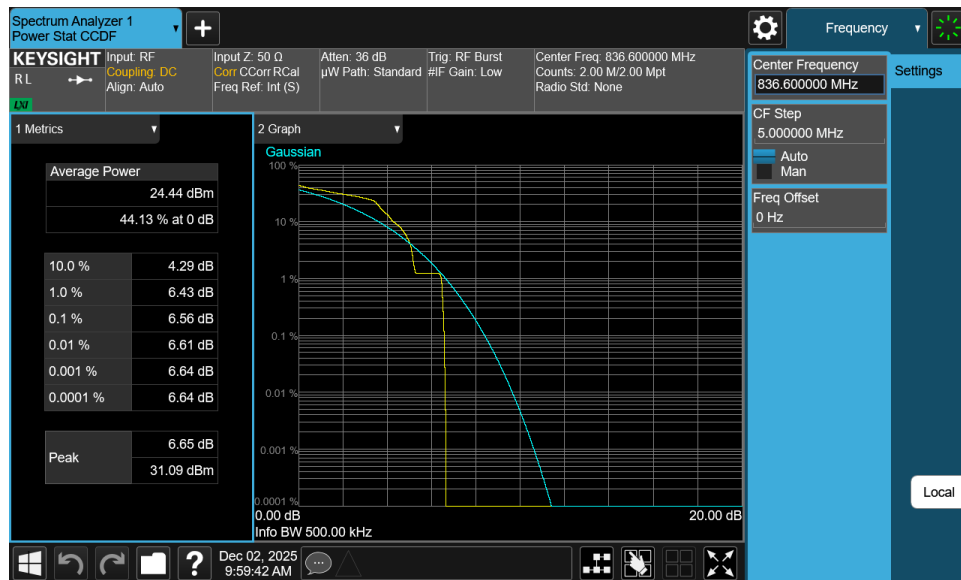
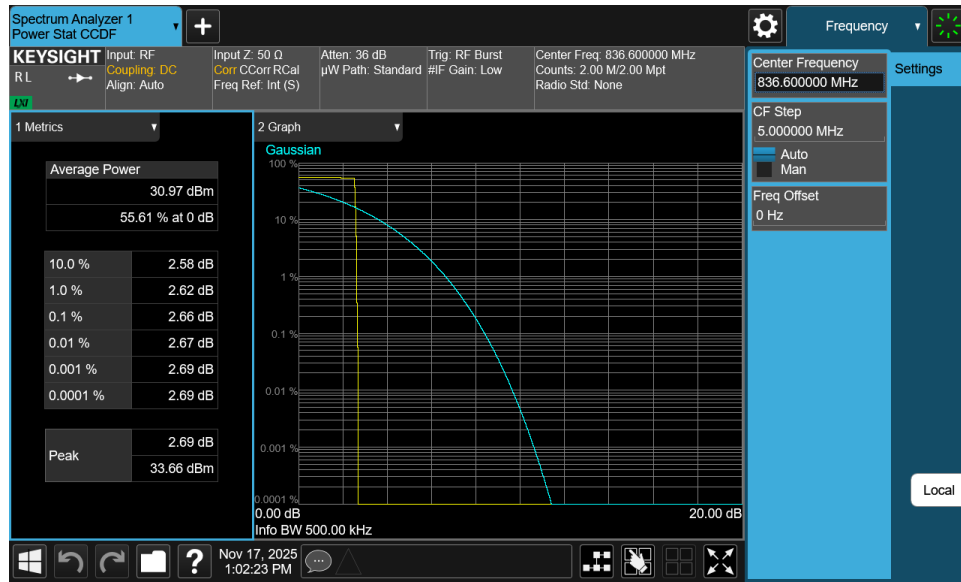
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 123 of 162

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM850	N/A	GMSK	30.97	2.66	13.0	-10.34
EDGE850		8-PSK	24.44	6.56	13.0	-6.44
WCDMA850		Spread Spectrum	23.47	3.44	13	-9.56
LTE Band 26/5	15MHz (Band 26 only)	QPSK	22.81	5.84	13	-7.16
		256QAM	18.80	7.05	13	-5.95
	10 MHz	QPSK	22.95	5.85	13	-7.15
		256QAM	18.92	7.12	13	-5.88
	5 MHz	QPSK	22.92	5.83	13	-7.17
		256QAM	18.93	7.10	13	-5.90
	3 MHz	QPSK	22.87	5.84	13	-7.16
		256QAM	18.87	7.12	13	-5.88
	1.4 MHz	QPSK	22.81	5.84	13	-7.16
		256QAM	18.80	7.05	13	-5.95
NR-n26-5	20 MHz	$\pi/2$ BPSK	23.15	4.20	13	-8.80
		QPSK	20.64	7.59	13	-5.41
		256QAM	17.13	8.31	13	-4.69
	15 MHz	$\pi/2$ BPSK	23.22	4.12	13	-8.88
		QPSK	20.71	7.58	13	-5.42
		256QAM	17.16	8.28	13	-4.72
	10 MHz	$\pi/2$ BPSK	23.22	4.41	13	-8.59
		QPSK	20.72	7.69	13	-5.31
		256QAM	17.17	8.34	13	-4.66
	5 MHz	$\pi/2$ BPSK	23.24	4.61	13	-8.39
		QPSK	20.70	7.68	13	-5.32
		256QAM	17.12	8.28	13	-4.72

Table 7-13. Peak-Average Ratio Results – Ant2

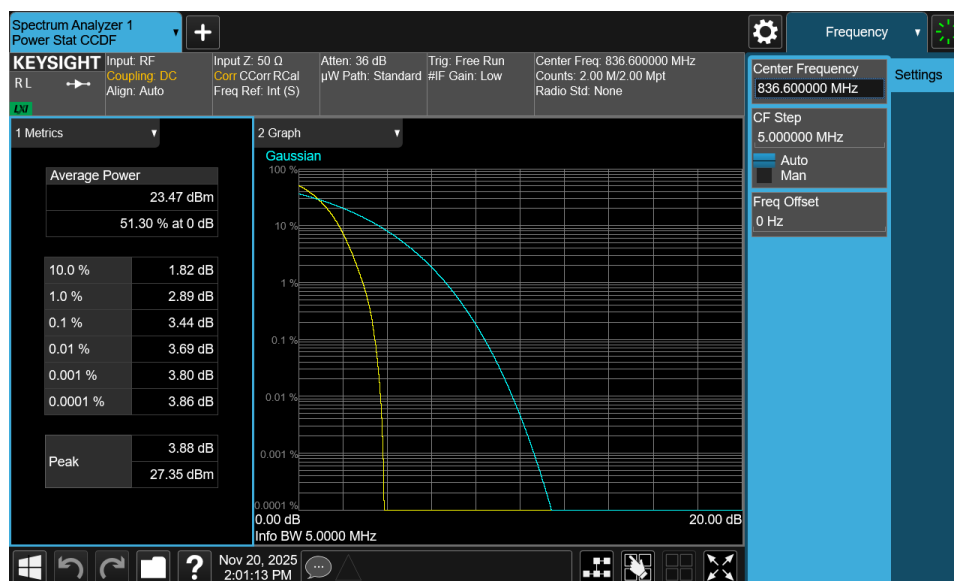
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 124 of 162

GP RS Cell – Ant2



FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 125 of 162

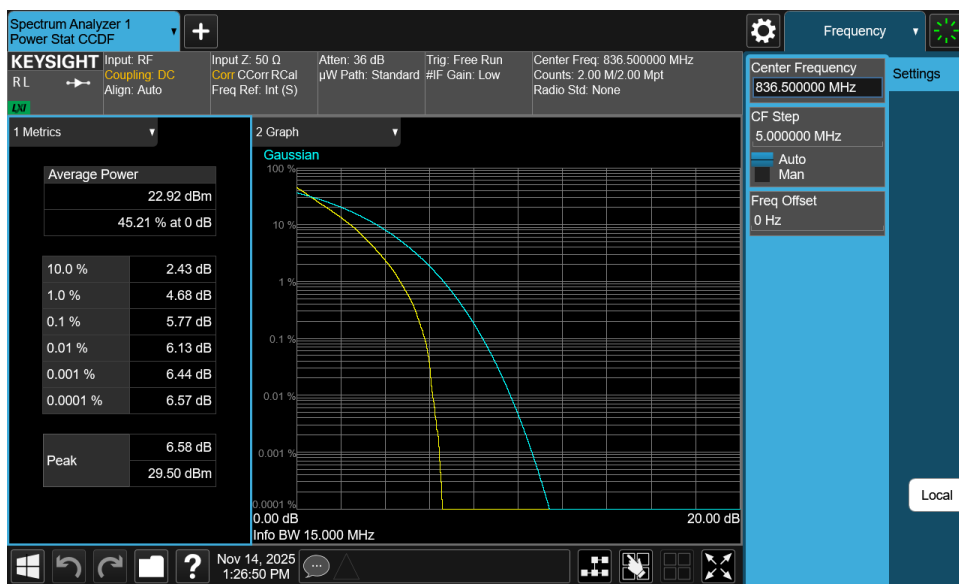
WCDMA Cell – Ant2



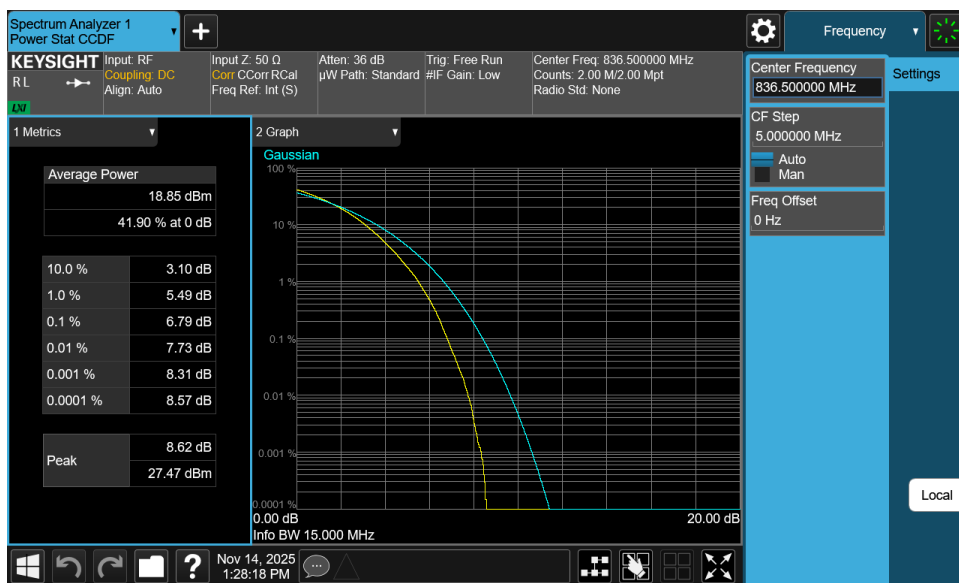
Plot 7-179. Peak-Average Ratio Plot (WCDMA, Ch. 4183 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant2

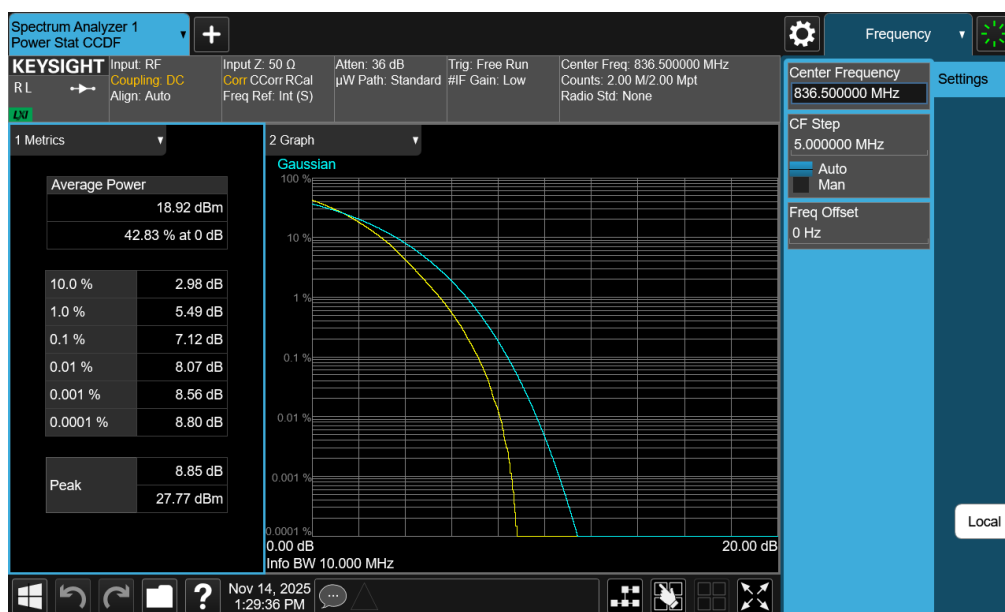
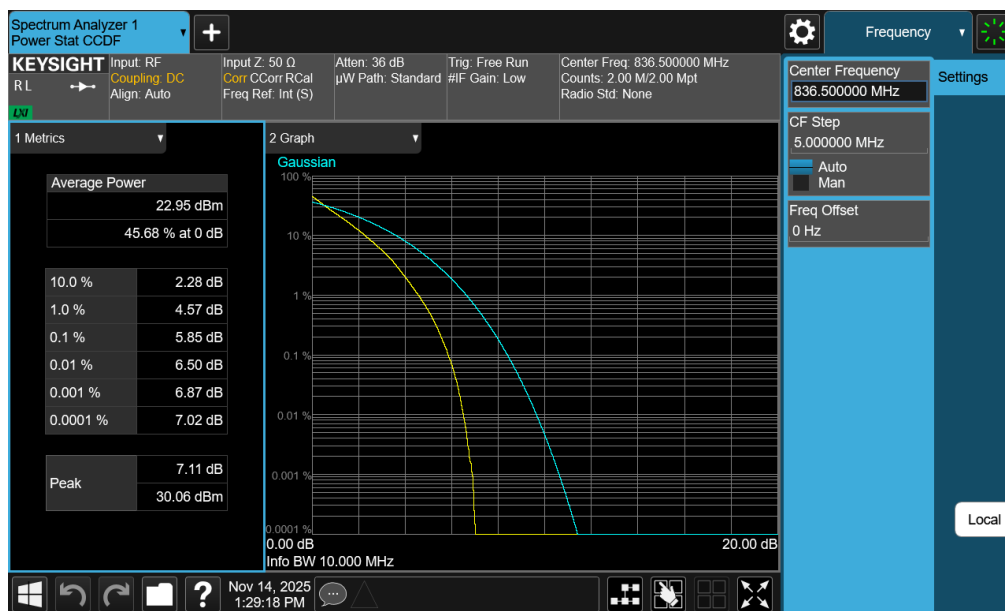


Plot 7-180. Peak-Average Ratio Plot (LTE Band 26 - 15MHz QPSK - Full RB - Ant2)



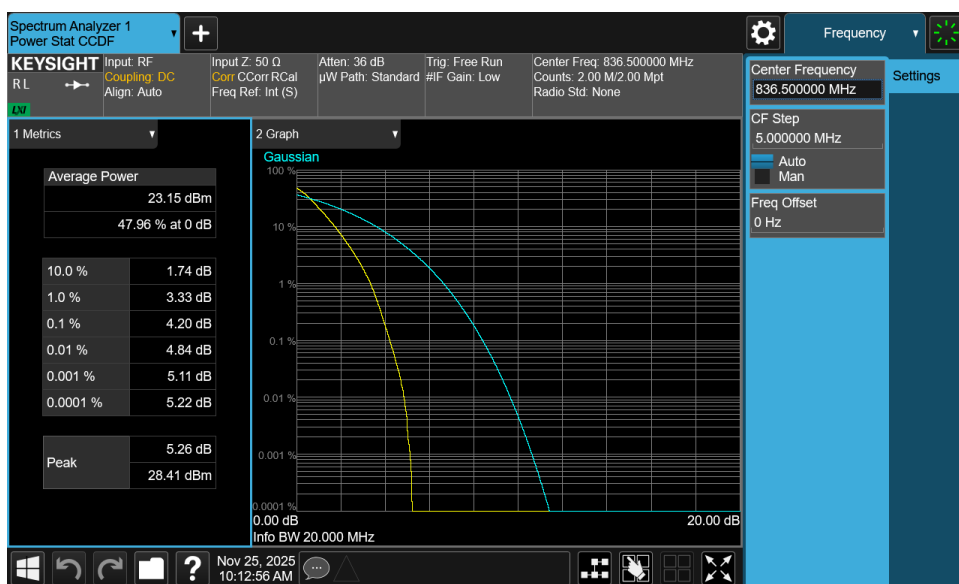
Plot 7-181. Peak-Average Ratio Plot (LTE Band 26 - 15MHz 256-QAM - Full RB - Ant2)

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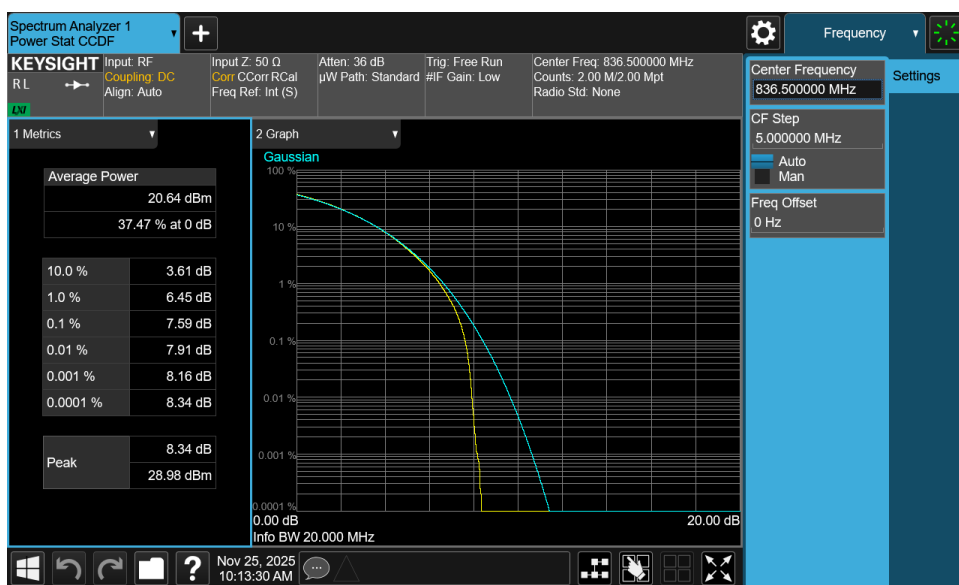


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NR Band n5 – Ant2

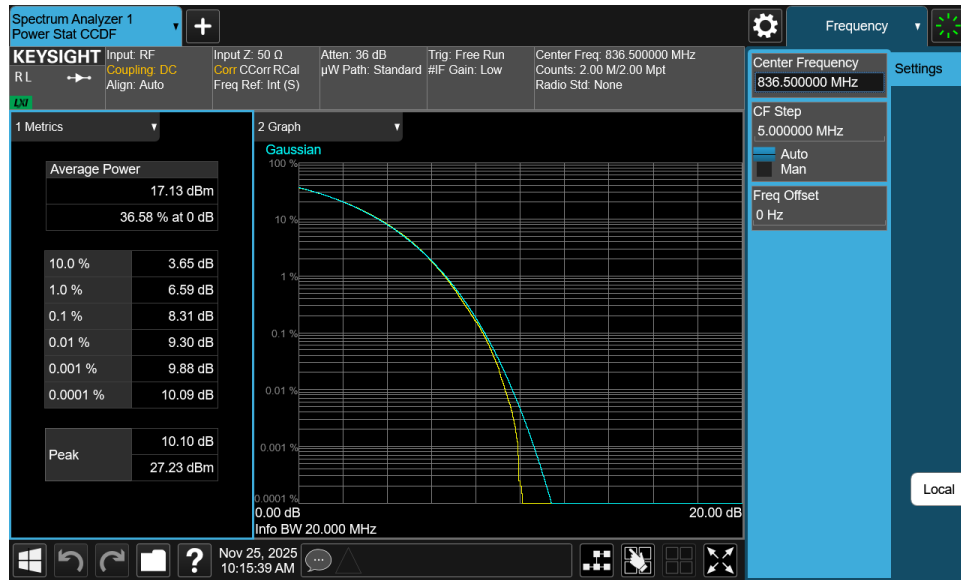


Plot 7-184. Peak-Average Ratio Plot (NR Band n5 - 20MHz $\pi/2$ BPSK - Full RB - Ant2)



Plot 7-185. Peak-Average Ratio Plot (NR Band n5 - 20MHz QPSK - Full RB - Ant2)

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Plot 7-186. Peak-Average Ratio Plot (NR Band n5 - 20MHz 256-QAM - Full RB - Ant2)

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7.7 Radiated Power (ERP)

Test Overview

Effective Radiated Power (ERP) measurements are performed using the substitution method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

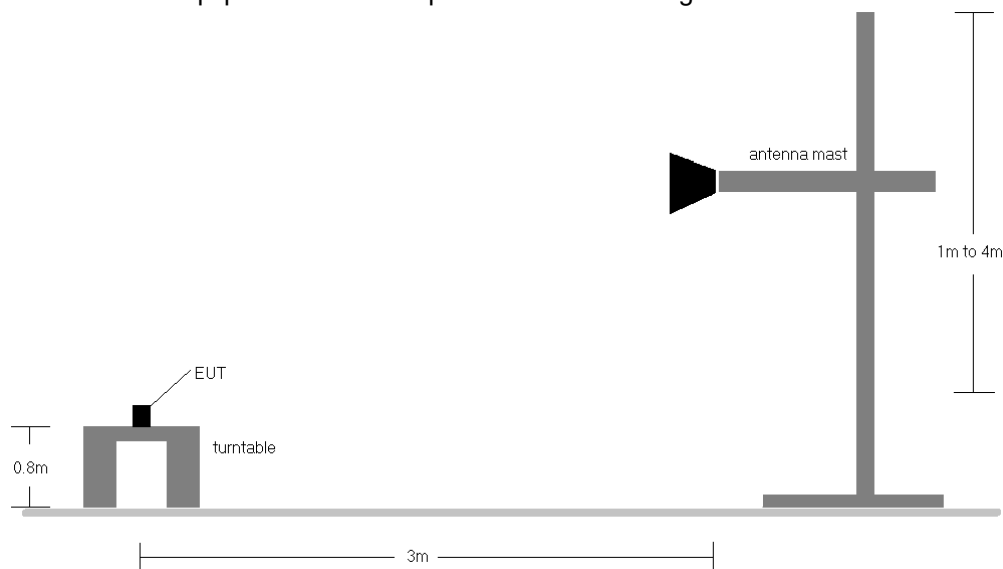


Figure 7-6. Radiated Test Setup < 1GHz

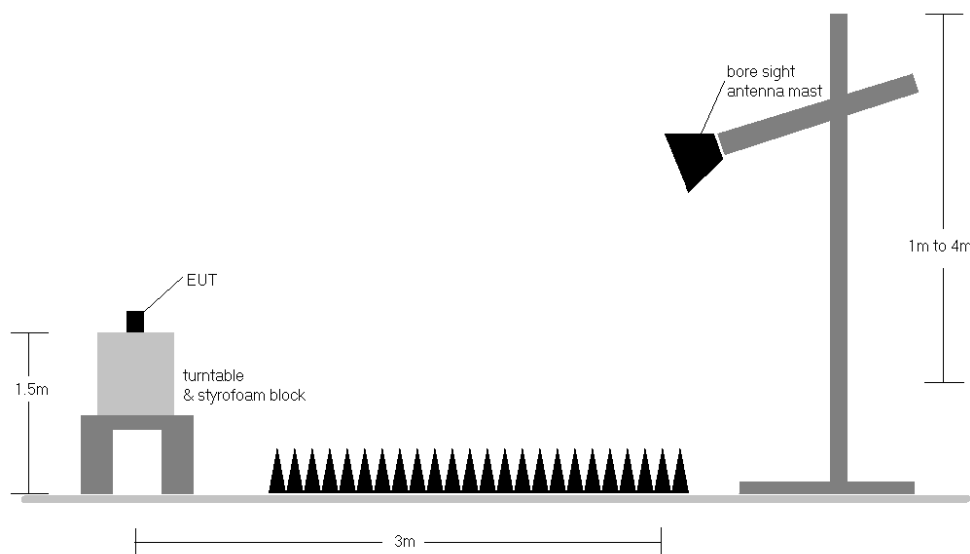


Figure 7-7. Radiated Test Setup > 1GHz

Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".

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- 3) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 4) This unit was tested with its standard battery.
- 5) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15MHz (Band 26 only)	QPSK	831.50	H	105	280	1.06	1 / 37	21.32	20.23	0.106	34.77	-14.54
	QPSK	836.50	H	110	283	1.08	1 / 0	21.92	20.85	0.121	34.77	-13.93
	QPSK	841.50	H	112	291	1.09	1 / 0	21.42	20.36	0.109	34.77	-14.41
	16-QAM	831.50	H	105	280	1.06	1 / 37	20.29	19.20	0.083	34.77	-15.57
	16-QAM	836.50	H	110	283	1.08	1 / 0	20.77	19.70	0.093	34.77	-15.08
	16-QAM	841.50	H	112	291	1.09	1 / 0	20.48	19.42	0.087	34.77	-15.35
10 MHz	QPSK	829.00	H	105	280	1.06	1 / 49	21.36	20.27	0.106	34.77	-14.50
	QPSK	836.50	H	110	283	1.08	1 / 25	22.20	21.13	0.130	34.77	-13.64
	QPSK	844.00	H	112	291	1.09	1 / 25	21.52	20.47	0.111	34.77	-14.31
	16-QAM	829.00	H	105	280	1.06	1 / 49	20.44	19.35	0.086	34.77	-15.42
	16-QAM	836.50	H	110	283	1.08	1 / 25	20.98	19.91	0.098	34.77	-14.86
	16-QAM	844.00	H	112	291	1.09	1 / 25	20.88	19.82	0.096	34.77	-14.95
5 MHz	QPSK	826.50	H	105	280	1.05	1 / 24	21.28	20.19	0.104	34.77	-14.58
	QPSK	836.50	H	110	283	1.08	1 / 0	21.97	20.89	0.123	34.77	-13.88
	QPSK	846.50	H	112	291	1.10	1 / 0	21.69	20.64	0.116	34.77	-14.13
	16-QAM	826.50	H	105	280	1.05	1 / 24	20.14	19.04	0.080	34.77	-15.73
	16-QAM	836.50	H	110	283	1.08	1 / 0	20.88	19.81	0.096	34.77	-14.96
	16-QAM	846.50	H	112	291	1.10	1 / 0	20.58	19.53	0.090	34.77	-15.24
3 MHz	QPSK	825.50	H	105	280	1.05	1 / 0	21.12	20.02	0.101	34.77	-14.75
	QPSK	836.50	H	110	283	1.08	1 / 0	22.04	20.96	0.125	34.77	-13.81
	QPSK	847.50	H	112	291	1.10	1 / 7	21.39	20.34	0.108	34.77	-14.43
	16-QAM	825.50	H	105	280	1.05	1 / 14	20.19	19.09	0.081	34.77	-15.68
	16-QAM	836.50	H	110	283	1.08	1 / 0	20.79	19.72	0.094	34.77	-15.06
	16-QAM	847.50	H	112	291	1.10	1 / 7	20.55	19.50	0.089	34.77	-15.27
1.4 MHz	QPSK	824.70	H	105	280	1.05	1 / 3	21.21	20.11	0.103	34.77	-14.66
	QPSK	836.50	H	110	283	1.08	1 / 3	22.11	21.03	0.127	34.77	-13.74
	QPSK	848.30	H	112	291	1.10	1 / 3	21.38	20.33	0.108	34.77	-14.44
	16-QAM	824.70	H	105	280	1.05	1 / 3	20.13	19.03	0.080	34.77	-15.75
	16-QAM	836.50	H	110	283	1.08	1 / 3	20.73	19.65	0.092	34.77	-15.12
	16-QAM	848.30	H	112	291	1.10	1 / 3	20.85	19.80	0.096	34.77	-14.97
15MHz	QPSK (Opposite Pol.)	836.50	V	138	224	1.08	1 / 0	21.52	20.45	0.111	34.77	-14.33

Table 7-14. ERP Data (LTE Band 26/5 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	834.00	H	108	286	1.07	1 / 53	22.28	21.20	0.132	34.77	-13.57
	$\pi/2$ BPSK	836.50	H	108	281	1.08	1 / 53	22.23	21.16	0.130	34.77	-13.62
	$\pi/2$ BPSK	839.00	H	105	289	1.08	1 / 1	22.03	20.96	0.125	34.77	-13.81
	QPSK	834.00	H	108	286	1.07	1 / 53	22.36	21.28	0.134	34.77	-13.49
	QPSK	836.50	H	108	281	1.08	1 / 53	22.30	21.23	0.133	34.77	-13.55
	QPSK	839.00	H	105	289	1.08	1 / 1	22.11	21.04	0.127	34.77	-13.73
	16-QAM	834.00	H	108	286	1.07	1 / 53	21.09	20.01	0.100	34.77	-14.76
	16-QAM	836.50	H	108	281	1.08	1 / 53	20.95	19.88	0.097	34.77	-14.90
15 MHz	16-QAM	839.00	H	105	289	1.08	1 / 1	21.04	19.97	0.099	34.77	-14.80
	$\pi/2$ BPSK	831.50	H	108	286	1.06	1 / 77	22.58	21.49	0.141	34.77	-13.28
	$\pi/2$ BPSK	836.50	H	108	281	1.08	1 / 77	22.44	21.36	0.137	34.77	-13.41
	$\pi/2$ BPSK	841.50	H	105	289	1.09	1 / 77	21.91	20.84	0.121	34.77	-13.93
	QPSK	831.50	H	108	286	1.06	1 / 77	22.43	21.35	0.136	34.77	-13.42
	QPSK	836.50	H	108	281	1.08	1 / 77	22.25	21.18	0.131	34.77	-13.59
	QPSK	841.50	H	105	289	1.09	1 / 77	21.81	20.74	0.119	34.77	-14.03
	16-QAM	831.50	H	108	286	1.06	1 / 77	21.52	20.43	0.110	34.77	-14.34
10 MHz	16-QAM	836.50	H	108	281	1.08	1 / 77	20.78	19.71	0.093	34.77	-15.07
	16-QAM	841.50	H	105	289	1.09	1 / 77	20.99	19.92	0.098	34.77	-14.85
	$\pi/2$ BPSK	829.00	H	108	286	1.06	1 / 50	22.38	21.28	0.134	34.77	-13.49
	$\pi/2$ BPSK	836.50	H	108	281	1.08	1 / 50	22.38	21.30	0.135	34.77	-13.47
	$\pi/2$ BPSK	844.00	H	105	289	1.09	1 / 26	21.93	20.87	0.122	34.77	-13.90
	QPSK	829.00	H	108	286	1.06	1 / 50	22.23	21.14	0.130	34.77	-13.63
	QPSK	836.50	H	108	281	1.08	1 / 50	22.25	21.18	0.131	34.77	-13.60
	QPSK	844.00	H	105	289	1.09	1 / 26	21.98	20.92	0.124	34.77	-13.85
5 MHz	16-QAM	829.00	H	108	286	1.06	1 / 50	21.33	20.24	0.106	34.77	-14.53
	16-QAM	836.50	H	108	281	1.08	1 / 50	20.46	19.38	0.087	34.77	-15.39
	16-QAM	844.00	H	105	289	1.09	1 / 26	20.95	19.89	0.098	34.77	-14.88
	$\pi/2$ BPSK	829.00	H	108	286	1.05	1 / 12	22.31	21.21	0.132	34.77	-13.56
	$\pi/2$ BPSK	836.50	H	108	281	1.08	1 / 12	22.35	21.28	0.134	34.77	-13.49
	$\pi/2$ BPSK	844.00	H	105	289	1.10	1 / 12	22.16	21.11	0.129	34.77	-13.66
	QPSK	829.00	H	108	286	1.05	1 / 12	22.35	21.25	0.133	34.77	-13.52
	QPSK	836.50	H	108	281	1.08	1 / 12	22.28	21.20	0.132	34.77	-13.57
20 MHz	QPSK	844.00	H	105	289	1.10	1 / 12	22.32	21.27	0.134	34.77	-13.50
	16-QAM	829.00	H	108	286	1.05	1 / 12	21.33	20.23	0.105	34.77	-14.54
	16-QAM	836.50	H	108	281	1.08	1 / 12	20.79	19.72	0.094	34.77	-15.05
20 MHz	16-QAM	844.00	H	105	289	1.10	1 / 12	21.04	19.99	0.100	34.77	-14.78
	QPSK (CP-OFDM)	834.00	H	108	282	1.07	1 / 53	20.67	19.59	0.091	34.77	-15.18
20 MHz	QPSK (Opposite Pol.)	834.00	V	136	230	1.07	1 / 1	20.59	19.51	0.089	34.77	-15.26

Table 7-15. ERP Data (NR Band n5 – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
824.20	GSM850	H	111	290	30.56	1.05	29.46	0.883	34.77	-5.31
836.60	GSM850	H	109	284	30.61	1.08	29.54	0.899	34.77	-5.24
848.80	GSM850	H	110	289	29.56	1.10	28.51	0.710	34.77	-6.26
836.60	GSM850	V	135	232	28.80	1.08	27.73	0.592	34.77	-7.05
836.60	EDGE850	H	109	284	22.54	1.08	21.47	0.140	34.77	-13.31

Table 7-16. ERP Data (GPRS Cell – Ant1)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
826.40	WCDMA850	H	109	280	22.30	1.05	21.20	0.132	34.77	-13.57
836.60	WCDMA850	H	109	284	21.92	1.08	20.85	0.122	34.77	-13.93
846.60	WCDMA850	H	107	288	20.68	1.10	19.63	0.092	34.77	-15.14
826.40	WCDMA850	V	135	235	21.31	1.08	20.24	0.106	34.77	-14.54

Table 7-17. ERP Data (WCDMA Cell – Ant1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15MHz (Band 26 only)	QPSK	831.50	H	107	242	1.06	1 / 37	21.18	20.09	0.102	34.77	-14.68
	QPSK	836.50	H	109	242	1.08	1 / 37	21.45	20.38	0.109	34.77	-14.40
	QPSK	841.50	H	106	240	1.09	1 / 0	21.13	20.07	0.102	34.77	-14.70
	16-QAM	831.50	H	107	242	1.06	1 / 37	20.42	19.33	0.086	34.77	-15.44
	16-QAM	836.50	H	109	242	1.08	1 / 37	20.53	19.46	0.088	34.77	-15.32
	16-QAM	841.50	H	106	240	1.09	1 / 0	20.26	19.20	0.083	34.77	-15.57
10 MHz	QPSK	829.00	H	107	242	1.06	1 / 49	20.89	19.80	0.096	34.77	-14.97
	QPSK	836.50	H	109	242	1.08	1 / 25	21.25	20.18	0.104	34.77	-14.59
	QPSK	844.00	H	106	240	1.09	1 / 0	21.20	20.15	0.103	34.77	-14.62
	16-QAM	829.00	H	107	242	1.06	1 / 49	20.35	19.26	0.084	34.77	-15.51
	16-QAM	836.50	H	109	242	1.08	1 / 25	20.59	19.52	0.089	34.77	-15.25
	16-QAM	844.00	H	106	240	1.09	1 / 0	20.36	19.30	0.085	34.77	-15.47
5 MHz	QPSK	826.50	H	107	242	1.05	1 / 0	20.80	19.71	0.093	34.77	-15.06
	QPSK	836.50	H	109	242	1.08	1 / 24	21.25	20.18	0.104	34.77	-14.60
	QPSK	846.50	H	106	240	1.10	1 / 0	21.19	20.14	0.103	34.77	-14.63
	16-QAM	826.50	H	107	242	1.05	1 / 0	20.38	19.28	0.085	34.77	-15.49
	16-QAM	836.50	H	109	242	1.08	1 / 24	20.55	19.48	0.089	34.77	-15.29
	16-QAM	846.50	H	106	240	1.10	1 / 0	20.64	19.59	0.091	34.77	-15.18
3 MHz	QPSK	825.50	H	107	242	1.05	1 / 14	20.81	19.71	0.094	34.77	-15.06
	QPSK	836.50	H	109	242	1.08	1 / 0	21.10	20.03	0.101	34.77	-14.75
	QPSK	847.50	H	106	240	1.10	1 / 0	20.98	19.94	0.099	34.77	-14.84
	16-QAM	825.50	H	107	242	1.05	1 / 14	20.25	19.15	0.082	34.77	-15.62
	16-QAM	836.50	H	109	242	1.08	1 / 0	20.53	19.46	0.088	34.77	-15.31
	16-QAM	847.50	H	106	240	1.10	1 / 0	20.13	19.09	0.081	34.77	-15.69
1.4 MHz	QPSK	824.70	H	107	242	1.05	1 / 5	20.73	19.62	0.092	34.77	-15.15
	QPSK	836.50	H	109	242	1.08	1 / 3	21.29	20.21	0.105	34.77	-14.56
	QPSK	848.30	H	106	240	1.10	1 / 3	21.02	19.97	0.099	34.77	-14.80
	16-QAM	824.70	H	107	242	1.05	1 / 5	20.26	19.16	0.082	34.77	-15.61
	16-QAM	836.50	H	109	242	1.08	1 / 3	20.66	19.59	0.091	34.77	-15.18
	16-QAM	848.30	H	106	240	1.10	1 / 3	20.22	19.17	0.083	34.77	-15.60
15MHz	QPSK (Opposite Pol.)	836.50	V	129	292	1.08	1 / 0	20.17	19.10	0.081	34.77	-15.68

Table 7-18. ERP Data (LTE Band 26/5 – Ant2)

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	834.00	H	110	241	1.07	1 / 53	21.75	20.67	0.117	34.77	-14.10
	$\pi/2$ BPSK	836.50	H	109	239	1.08	1 / 53	22.01	20.94	0.124	34.77	-13.84
	$\pi/2$ BPSK	839.00	H	109	244	1.08	1 / 53	21.73	20.66	0.116	34.77	-14.11
	QPSK	834.00	H	110	241	1.07	1 / 53	21.94	20.86	0.122	34.77	-13.91
	QPSK	836.50	H	109	239	1.08	1 / 53	21.97	20.90	0.123	34.77	-13.88
	QPSK	839.00	H	109	244	1.08	1 / 53	21.65	20.58	0.114	34.77	-14.19
	16-QAM	834.00	H	110	241	1.07	1 / 53	20.82	19.74	0.094	34.77	-15.03
	16-QAM	836.50	H	109	239	1.08	1 / 53	20.88	19.81	0.096	34.77	-14.97
15 MHz	16-QAM	839.00	H	109	244	1.08	1 / 53	20.60	19.53	0.090	34.77	-15.24
	$\pi/2$ BPSK	831.50	H	110	241	1.06	1 / 77	21.72	20.64	0.116	34.77	-14.13
	$\pi/2$ BPSK	836.50	H	109	239	1.08	1 / 77	22.09	21.02	0.126	34.77	-13.75
	$\pi/2$ BPSK	841.50	H	109	244	1.09	1 / 39	21.75	20.69	0.117	34.77	-14.08
	QPSK	831.50	H	110	241	1.06	1 / 77	21.96	20.87	0.122	34.77	-13.90
	QPSK	836.50	H	109	239	1.08	1 / 77	22.14	21.07	0.128	34.77	-13.70
	QPSK	841.50	H	109	244	1.09	1 / 39	21.73	20.67	0.117	34.77	-14.11
	16-QAM	831.50	H	110	241	1.06	1 / 77	21.05	19.97	0.099	34.77	-14.80
10 MHz	16-QAM	836.50	H	109	239	1.08	1 / 77	20.83	19.75	0.094	34.77	-15.02
	16-QAM	841.50	H	109	244	1.09	1 / 39	20.62	19.55	0.090	34.77	-15.22
	$\pi/2$ BPSK	829.00	H	110	241	1.06	1 / 50	21.64	20.54	0.113	34.77	-14.23
	$\pi/2$ BPSK	836.50	H	109	239	1.08	1 / 26	22.07	20.99	0.126	34.77	-13.78
	$\pi/2$ BPSK	844.00	H	109	244	1.09	1 / 26	21.73	20.67	0.117	34.77	-14.10
	QPSK	829.00	H	110	241	1.06	1 / 50	21.96	20.87	0.122	34.77	-13.90
	QPSK	836.50	H	109	239	1.08	1 / 26	21.87	20.79	0.120	34.77	-13.98
	QPSK	844.00	H	109	244	1.09	1 / 26	21.68	20.62	0.115	34.77	-14.15
5 MHz	16-QAM	829.00	H	110	241	1.06	1 / 50	20.88	19.79	0.095	34.77	-14.98
	16-QAM	836.50	H	109	239	1.08	1 / 26	20.68	19.60	0.091	34.77	-15.17
	16-QAM	844.00	H	109	244	1.09	1 / 26	20.36	19.30	0.085	34.77	-15.47
	$\pi/2$ BPSK	829.00	H	110	241	1.05	1 / 12	21.58	20.48	0.112	34.77	-14.29
	$\pi/2$ BPSK	836.50	H	109	239	1.08	1 / 12	22.16	21.09	0.128	34.77	-13.68
	$\pi/2$ BPSK	844.00	H	109	244	1.10	1 / 12	21.81	20.75	0.119	34.77	-14.02
	QPSK	829.00	H	110	241	1.05	1 / 12	21.76	20.67	0.117	34.77	-14.10
	QPSK	836.50	H	109	239	1.08	1 / 12	22.20	21.13	0.130	34.77	-13.64
20 MHz	QPSK	844.00	H	109	244	1.10	1 / 12	21.90	20.85	0.122	34.77	-13.92
	16-QAM	829.00	H	110	241	1.05	1 / 12	20.81	19.71	0.094	34.77	-15.06
	16-QAM	836.50	H	109	239	1.08	1 / 12	20.71	19.64	0.092	34.77	-15.13
	16-QAM	844.00	H	109	244	1.10	1 / 12	20.63	19.58	0.091	34.77	-15.19
20 MHz	QPSK (CP-OFDM)	836.50	H	108	243	1.07	1 / 53	20.19	19.11	0.081	34.77	-15.66
	QPSK (Opposite Pol.)	836.50	V	125	296	1.07	1 / 53	20.77	19.69	0.093	34.77	-15.08

Table 7-19. ERP Data (NR Band n5 – Ant2)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
824.20	GSM850	H	111	241	29.71	1.05	28.61	0.726	34.77	-6.16
836.60	GSM850	H	110	242	29.73	1.08	28.66	0.734	34.77	-6.12
848.80	GSM850	H	104	233	26.61	1.10	25.56	0.360	34.77	-9.21
836.60	GSM850	V	127	289	28.33	1.08	27.26	0.532	34.77	-7.52
836.60	EDGE850	H	110	242	20.92	1.08	19.85	0.097	34.77	-14.93

Table 7-20. ERP Data (GPRS Cell – Ant2)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
826.40	WCDMA850	H	109	245	21.16	1.05	20.06	0.101	34.77	-14.71
836.60	WCDMA850	H	108	249	21.29	1.08	20.22	0.105	34.77	-14.56
846.60	WCDMA850	H	110	239	20.24	1.10	19.19	0.083	34.77	-15.58
836.60	WCDMA850	V	126	283	19.36	1.08	18.29	0.067	34.77	-16.49

Table 7-21. ERP Data (WCDMA Cell – Ant2)

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7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26:2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26:2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

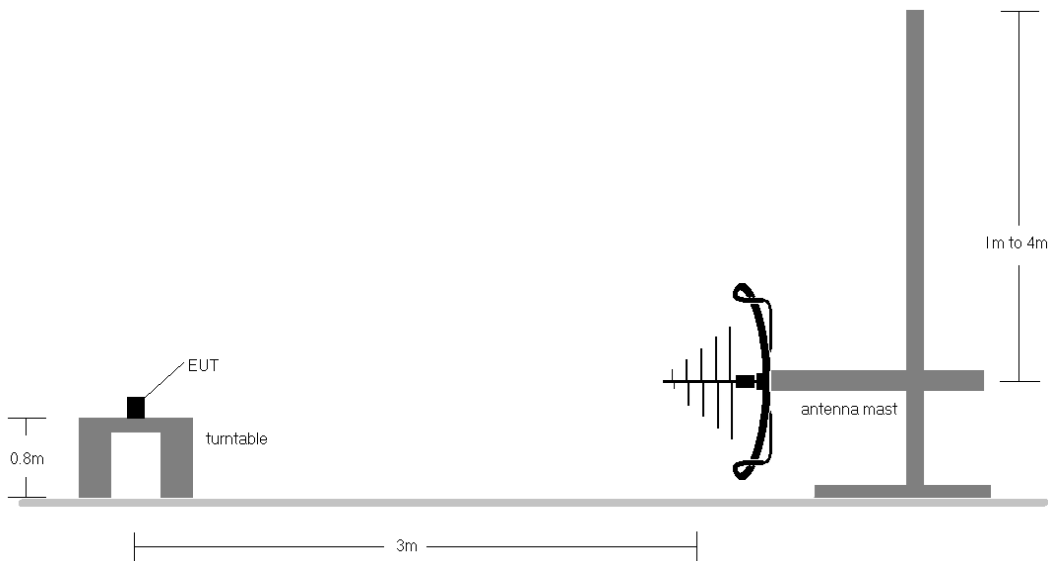


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

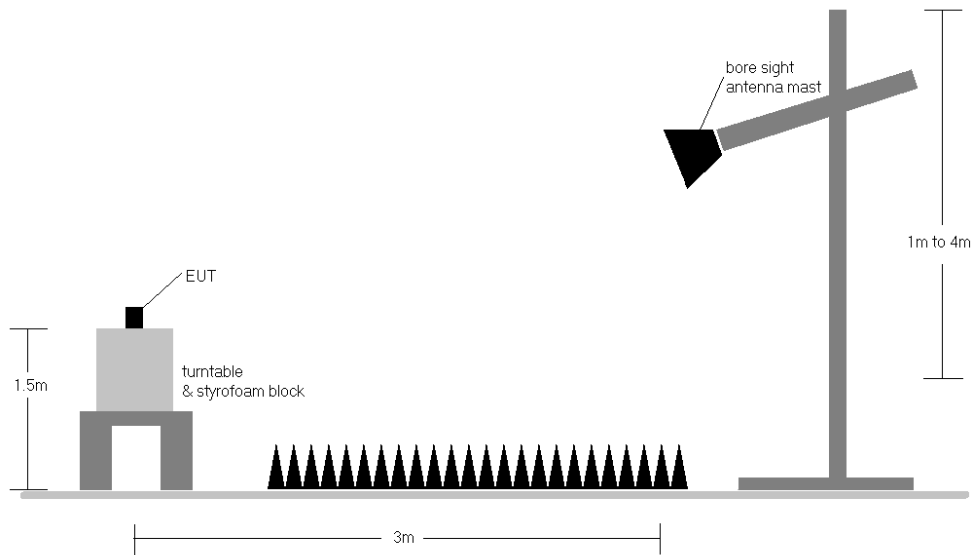


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

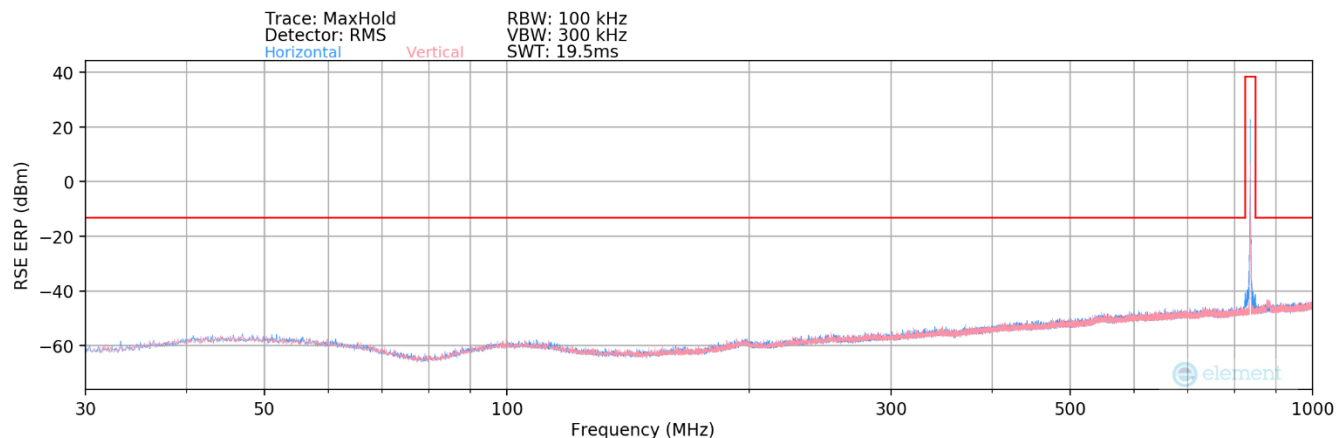
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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1-meter test distance with the application of a distance correction factor.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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LTE Band 26/5 – Ant1

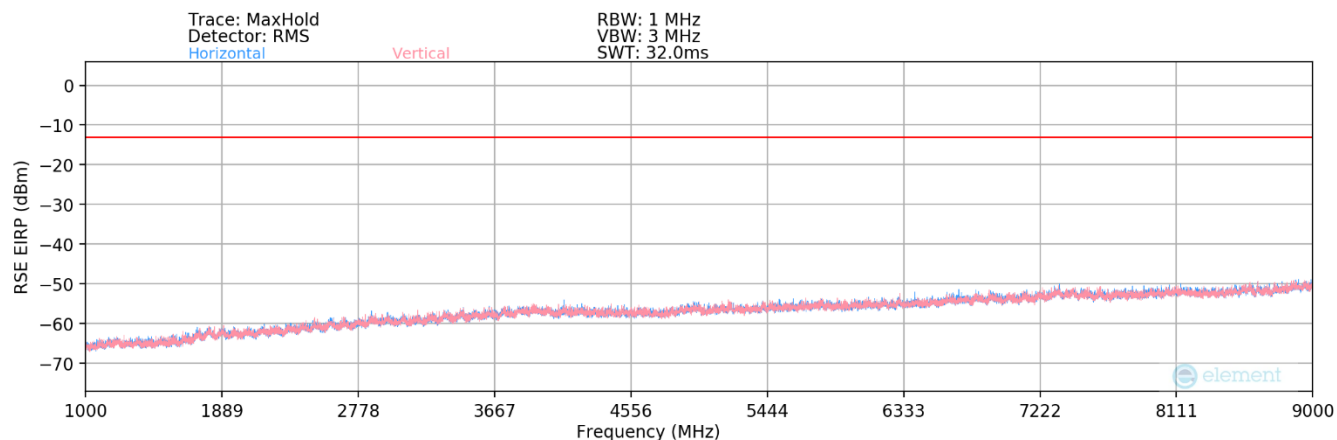


Plot 7-187. Radiated Spurious Plot (LTE Band 26/5 – Ant1)

Sample #:	0551M
Bandwidth (MHz):	15
Frequency (MHz):	836.5
RB / Offset:	1/37

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
564.86	H	-	-	-78.44	25.80	54.36	-43.05	-13.00	-30.05
952.31	H	-	-	-80.73	30.91	57.18	-40.23	-13.00	-27.23

Table 7-22. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant1)



Plot 7-188. Radiated Spurious Plot (LTE Band 26/5 – Ant1)

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Bandwidth (MHz):		15							
Frequency (MHz):		831.5							
RB / Offset:		1 / 37							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1663.00	V	152	319	-73.34	-7.47	26.19	-69.07	-13.00	-56.07
2494.50	V	137	308	-71.81	-3.83	31.36	-63.89	-13.00	-50.89
3326.00	V	-	-	-75.89	-0.50	30.61	-64.64	-13.00	-51.64
4157.50	V	-	-	-76.26	1.28	32.02	-63.24	-13.00	-50.24
4989.00	V	-	-	-75.23	2.30	34.07	-61.19	-13.00	-48.19
5820.50	V	-	-	-76.89	3.64	33.75	-61.51	-13.00	-48.51

Table 7-23. Radiated Spurious Data (LTE Band 26/5 – Low Channel – Ant1)

Bandwidth (MHz):		15							
Frequency (MHz):		836.5							
RB / Offset:		1 / 37							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.00	V	169	26	-71.87	-7.37	27.76	-67.50	-13.00	-54.50
2509.50	V	-	-	-74.33	-3.74	28.93	-66.33	-13.00	-53.33
3346.00	V	-	-	-75.16	-0.39	31.45	-63.81	-13.00	-50.81
4182.50	V	-	-	-76.02	1.11	32.09	-63.17	-13.00	-50.17
5019.00	V	-	-	-76.12	2.26	33.14	-62.12	-13.00	-49.12
5855.50	V	-	-	-76.78	3.51	33.73	-61.53	-13.00	-48.53

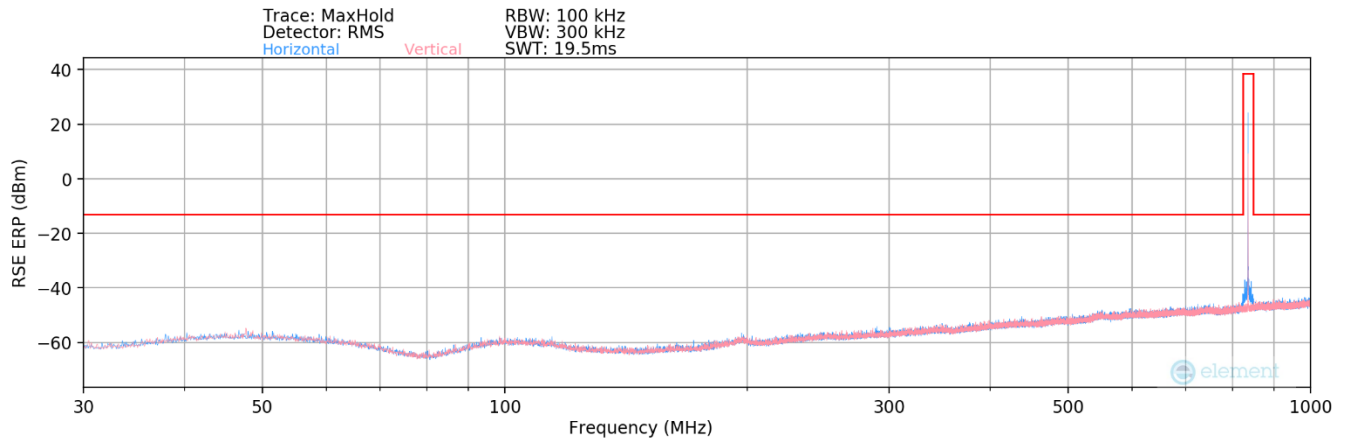
Table 7-24. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant1)

Bandwidth (MHz):		15							
Frequency (MHz):		841.5							
RB / Offset:		1 / 37							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1683.00	V	162	22	-66.18	-7.28	33.54	-61.71	-13.00	-48.71
2524.50	V	-	-	-75.32	-3.43	28.25	-67.00	-13.00	-54.00
3366.00	V	-	-	-76.32	0.02	30.70	-64.56	-13.00	-51.56
4207.50	V	-	-	-75.55	1.05	32.50	-62.76	-13.00	-49.76
5049.00	V	-	-	-75.73	2.46	33.73	-61.53	-13.00	-48.53
5890.50	V	-	-	-76.23	3.16	33.93	-61.33	-13.00	-48.33

Table 7-25. Radiated Spurious Data (LTE Band 26/5 – High Channel – Ant1)

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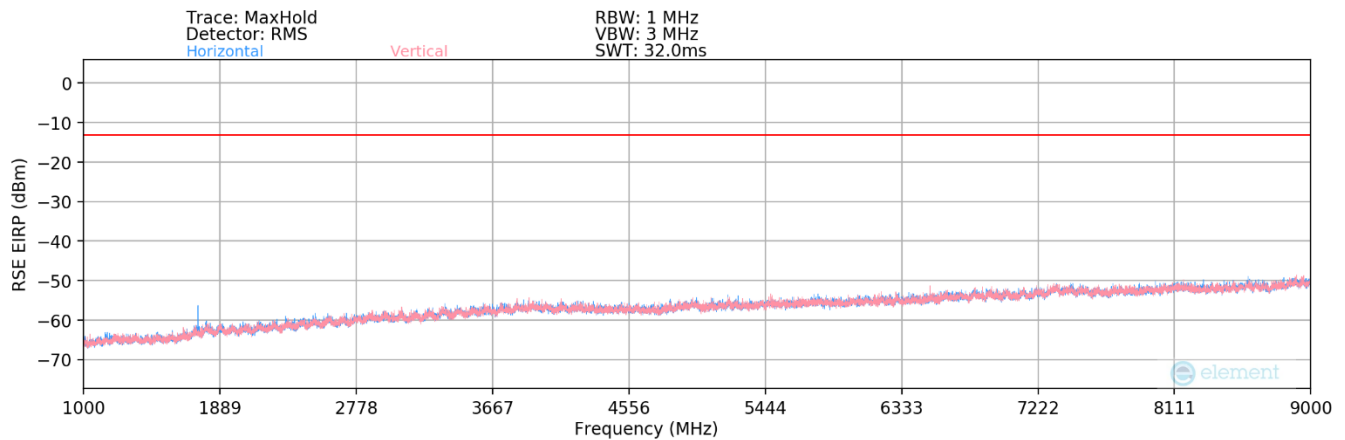
NR Band n5 – Ant1



Plot 7-189. Radiated Spurious Plot (NR Band n5 – Ant1)

Bandwidth (MHz):	20								
Frequency (MHz):	836.5								
RB / Offset:	1/50								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
547.97	H	-	-	-78.44	25.62	54.18	-43.23	-13.00	-30.23
937.45	H	-	-	-80.97	30.79	56.82	-40.59	-13.00	-27.59

Table 7-26. Radiated Spurious Data (NR Band n5 – Mid Channel – Ant1)



Plot 7-190. Radiated Spurious Plot (NR Band n5 – Ant1)

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Bandwidth (MHz):		20							
Frequency (MHz):		834							
RB / Offset:		1 / 53							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1668.00	V	125	43	-76.65	-8.52	21.83	-73.43	-13.00	-60.43
2502.00	V	-	-	-74.10	-4.83	28.07	-67.19	-13.00	-54.19
3336.00	V	-	-	-74.99	-1.32	30.69	-64.57	-13.00	-51.57
4170.00	V	-	-	-76.21	0.41	31.20	-64.06	-13.00	-51.06
5004.00	V	-	-	-76.00	1.59	32.59	-62.67	-13.00	-49.67
5838.00	V	-	-	-76.66	3.26	33.60	-61.66	-13.00	-48.66

Table 7-27. Radiated Spurious Data (NR Band n5 – Low Channel – Ant1)

Bandwidth (MHz):		20							
Frequency (MHz):		836.5							
RB / Offset:		1 / 53							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1673.00	V	122	31	-71.90	-8.46	26.64	-68.62	-13.00	-55.62
2509.50	V	-	-	-74.22	-4.67	28.11	-67.15	-13.00	-54.15
3346.00	V	-	-	-74.99	-1.23	30.78	-64.48	-13.00	-51.48
4182.50	V	-	-	-75.89	0.32	31.43	-63.83	-13.00	-50.83
5019.00	V	-	-	-76.01	1.80	32.79	-62.46	-13.00	-49.46
5855.50	V	-	-	-76.65	3.20	33.55	-61.70	-13.00	-48.70

Table 7-28. Radiated Spurious Data (NR Band n5 – Mid Channel – Ant1)

Bandwidth (MHz):		20							
Frequency (MHz):		839							
RB / Offset:		1 / 53							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1678.00	V	114	42	-71.34	-8.39	27.27	-67.99	-13.00	-54.99
2517.00	V	-	-	-74.56	-4.50	27.94	-67.32	-13.00	-54.32
3356.00	V	-	-	-75.45	-1.13	30.42	-64.84	-13.00	-51.84
4195.00	V	-	-	-75.85	0.15	31.30	-63.96	-13.00	-50.96
5034.00	V	-	-	-76.13	1.61	32.48	-62.78	-13.00	-49.78
5873.00	V	-	-	-76.68	3.22	33.54	-61.72	-13.00	-48.72

Table 7-29. Radiated Spurious Data (NR Band n5 – High Channel – Ant1)

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