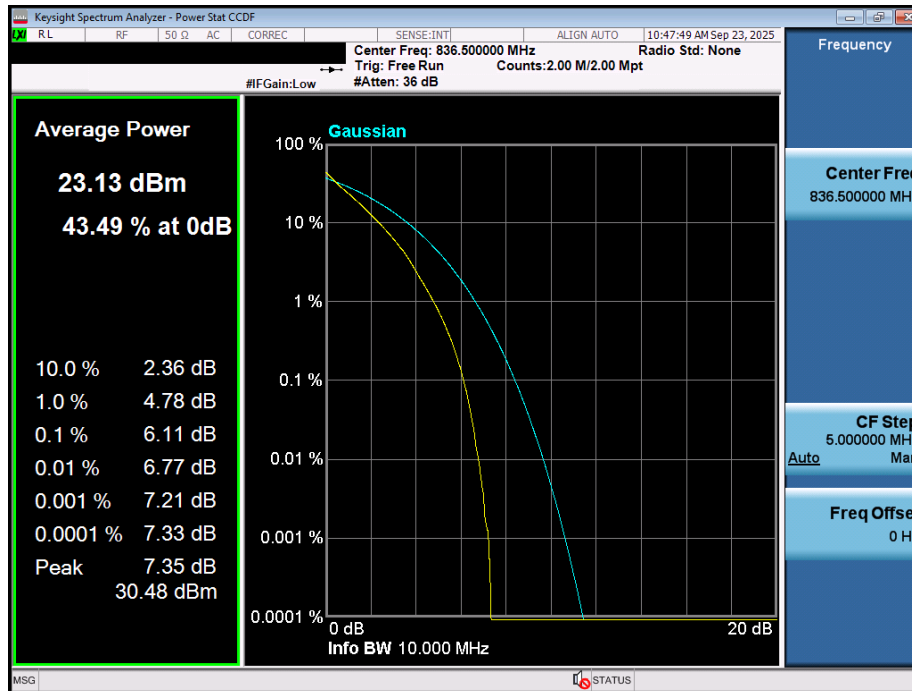
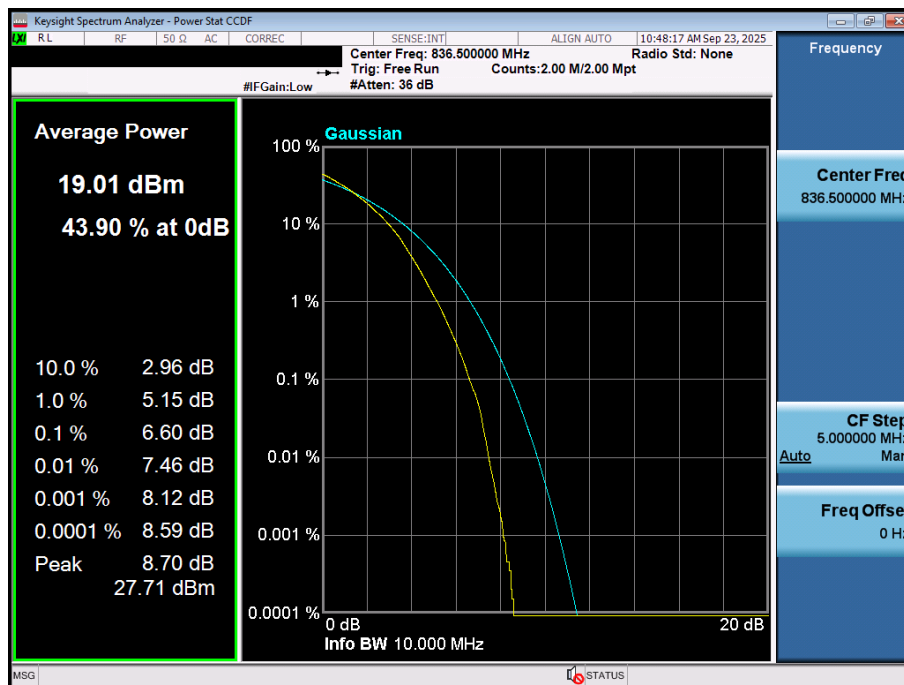


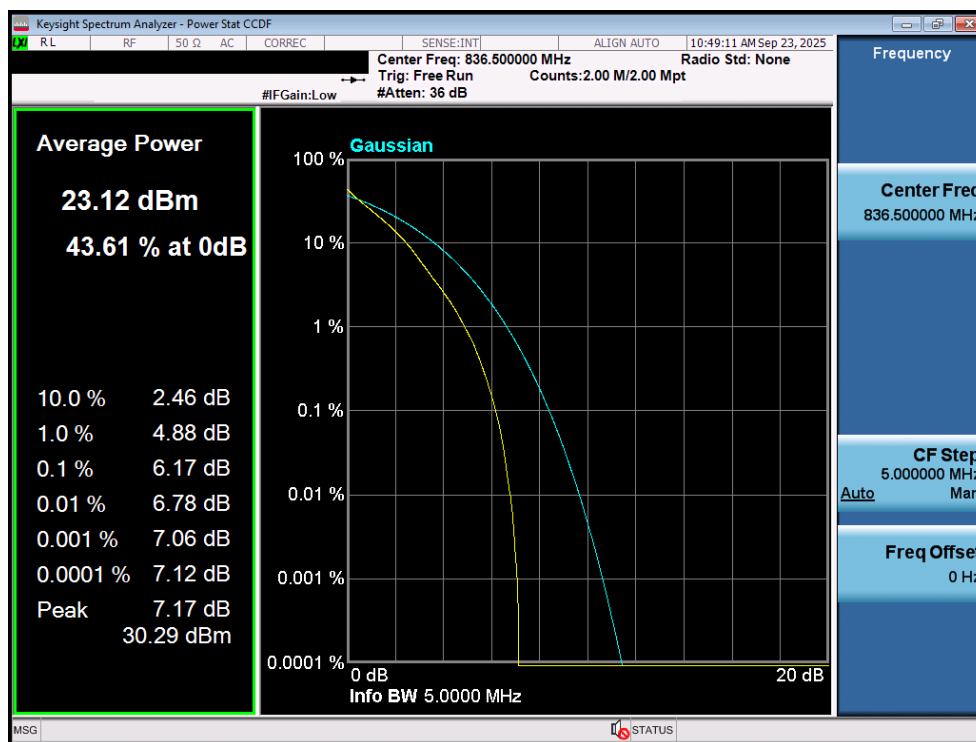


Plot 7-172. Peak-Average Ratio Plot (LTE Band 26/5 - 10MHz QPSK - Full RB - Ant1)

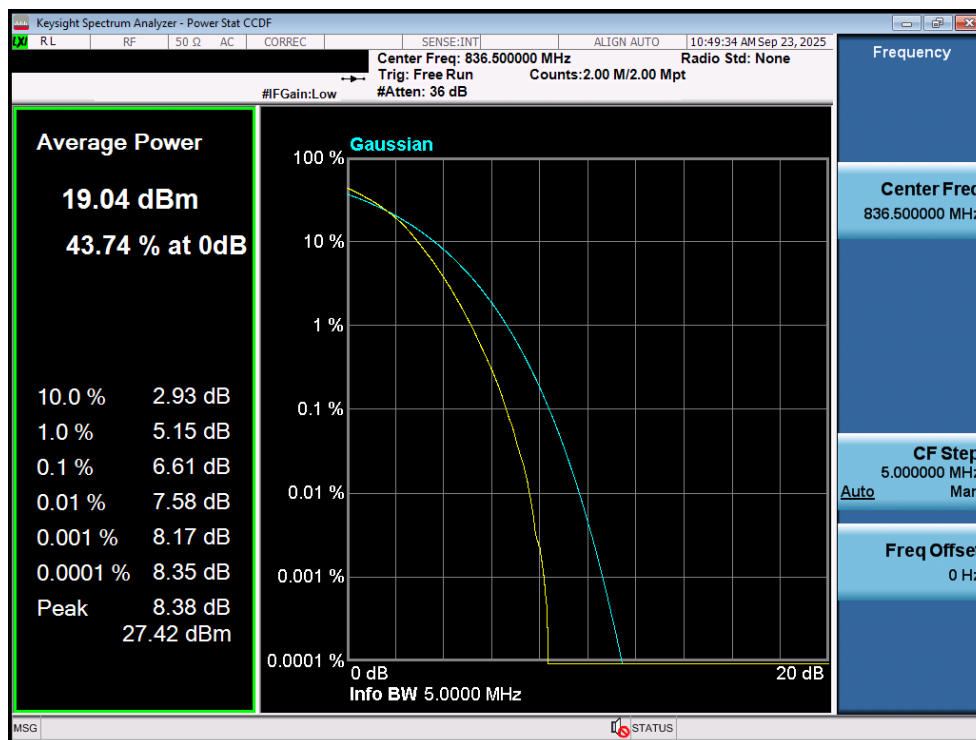


Plot 7-173. Peak-Average Ratio Plot (LTE Band 26/5 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 124 of 178

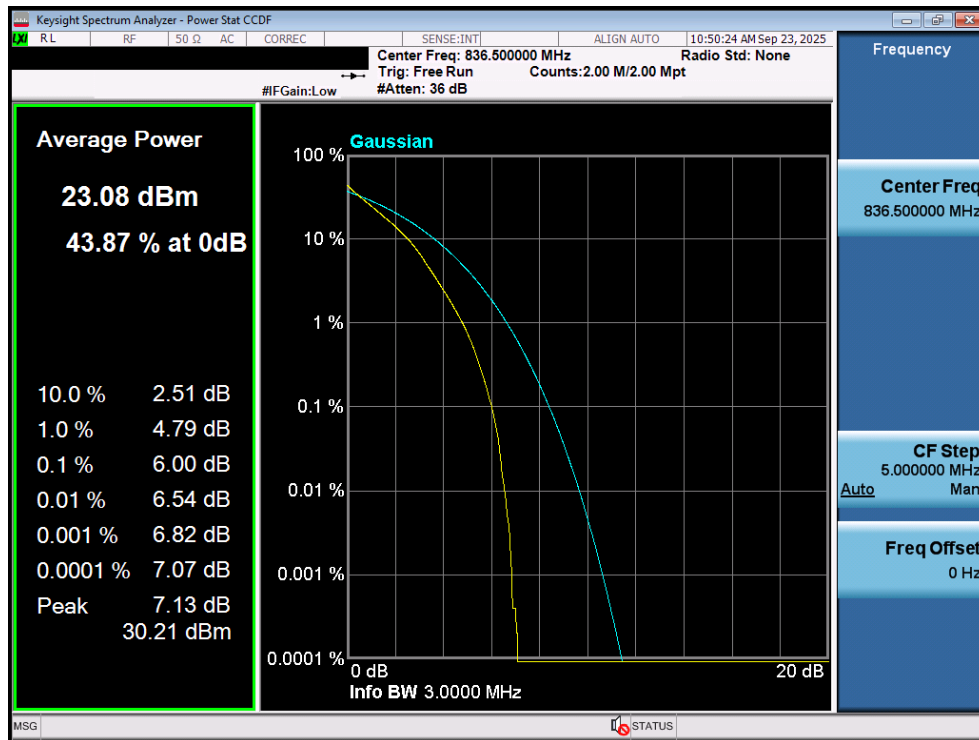


Plot 7-174. Peak-Average Ratio Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant1)

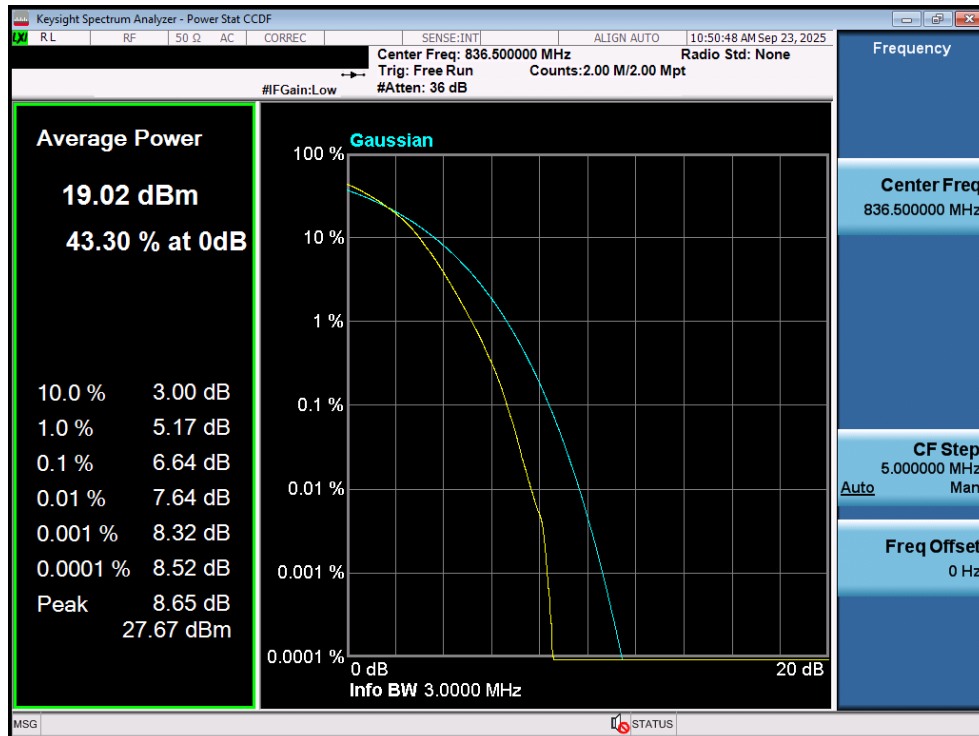


Plot 7-175. Peak-Average Ratio Plot (LTE Band 26/5 - 5MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 125 of 178

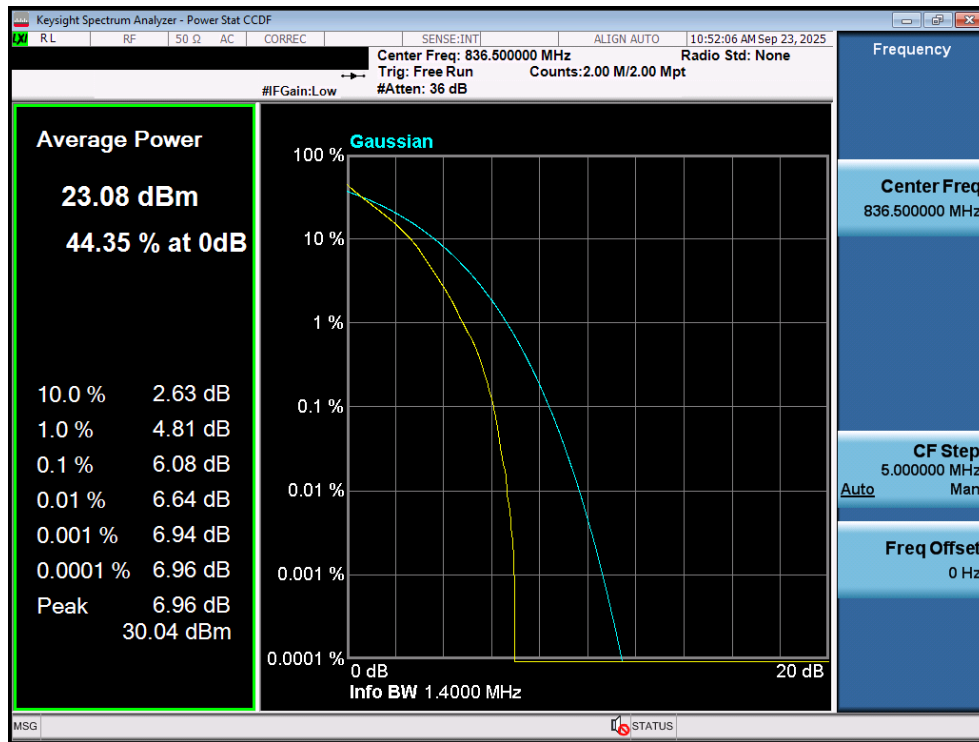


Plot 7-176. Peak-Average Ratio Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant1)

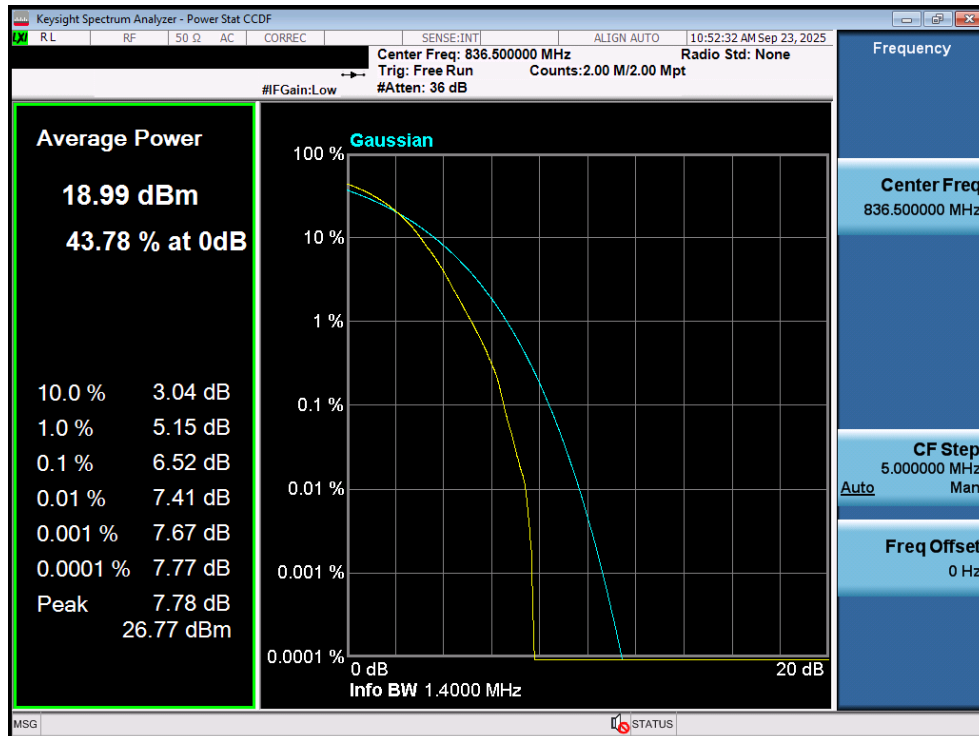


Plot 7-177. Peak-Average Ratio Plot (LTE Band 26/5 - 3MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 126 of 178



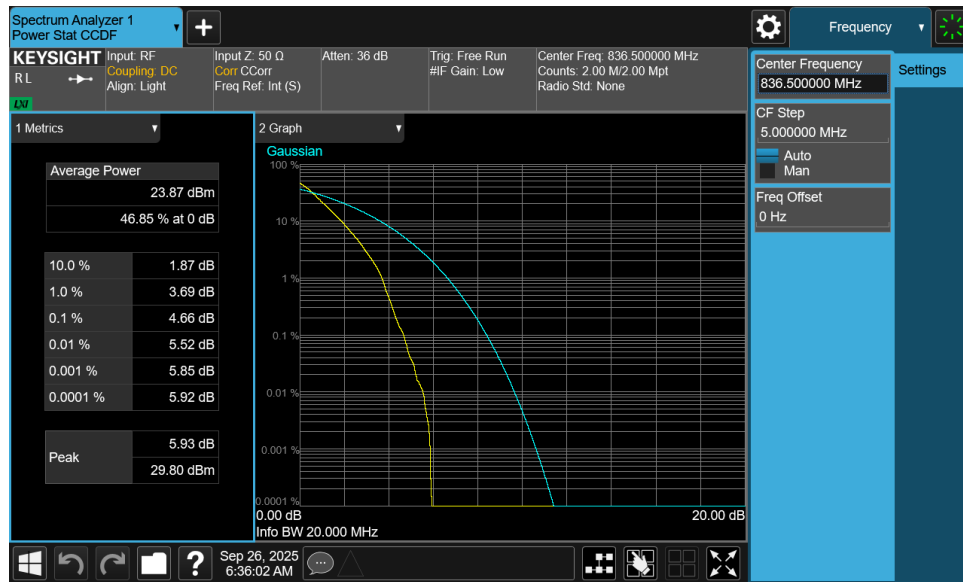
Plot 7-178. Peak-Average Ratio Plot (LTE Band 26/5 – 1.4MHz QPSK - Full RB - Ant1)



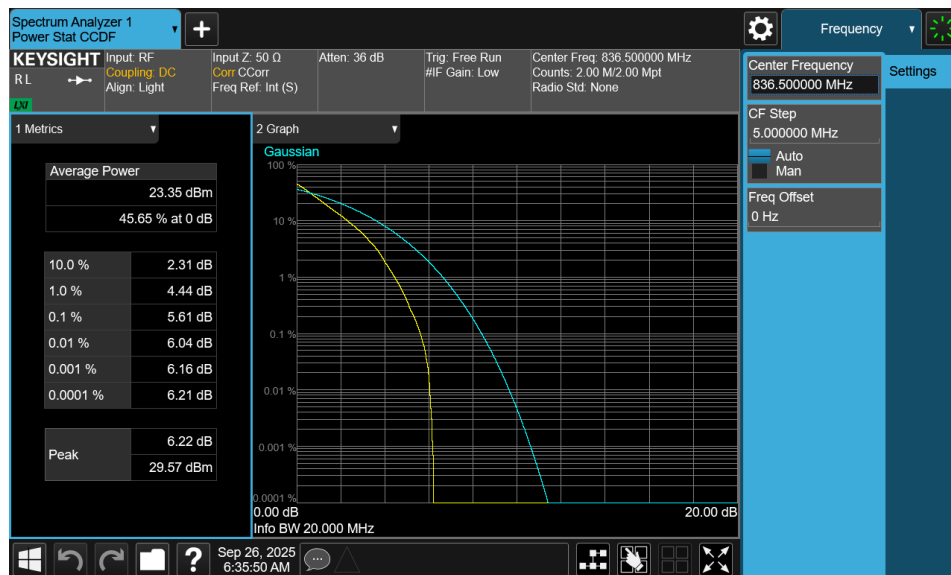
Plot 7-179. Peak-Average Ratio Plot (LTE Band 26/5 – 1.4MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26/5 – Ant1

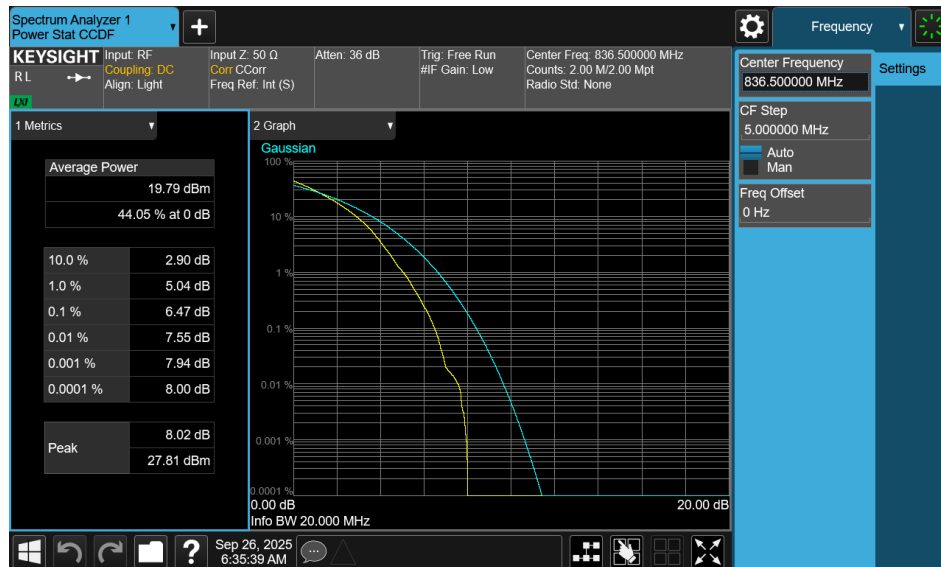


Plot 7-180. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz $\pi/2$ BPSK - Full RB - Ant1)

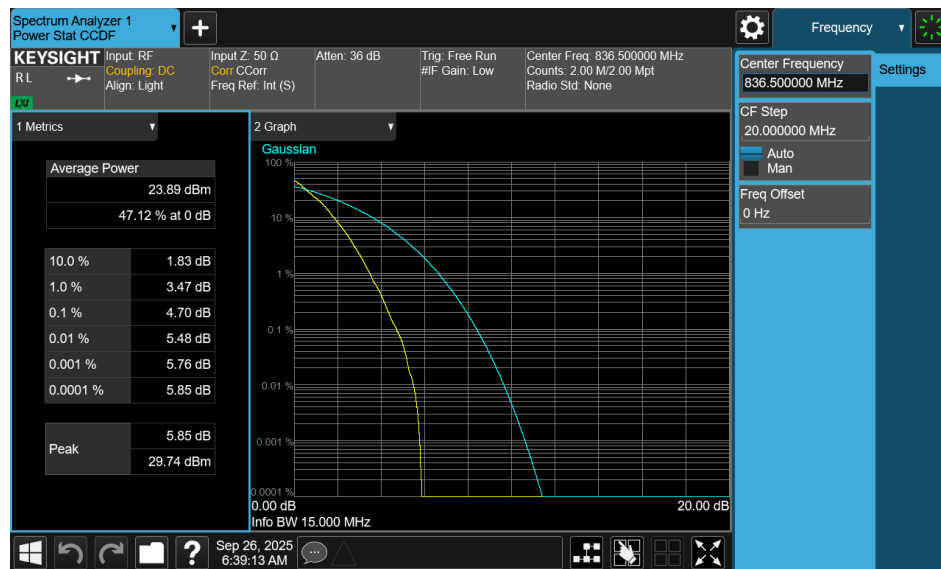


Plot 7-181. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 128 of 178

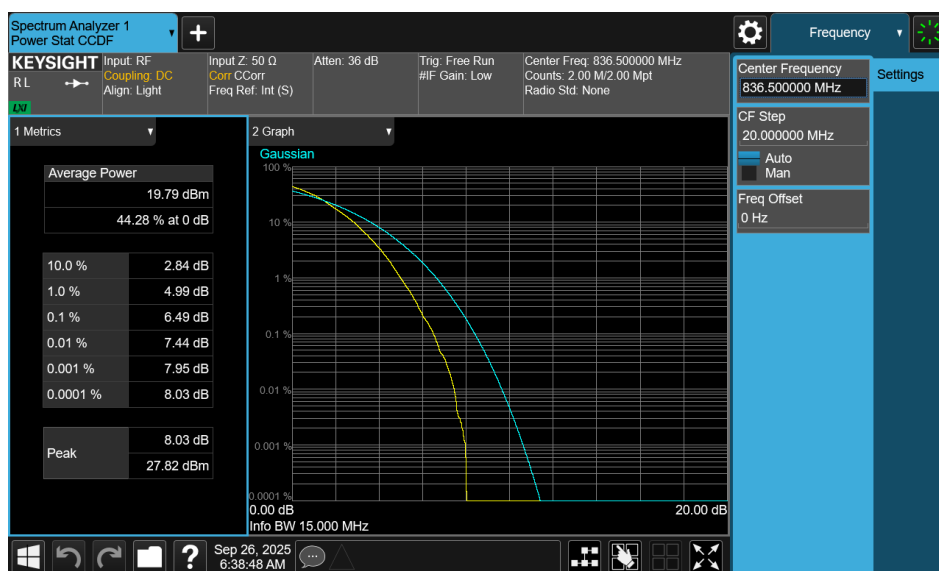
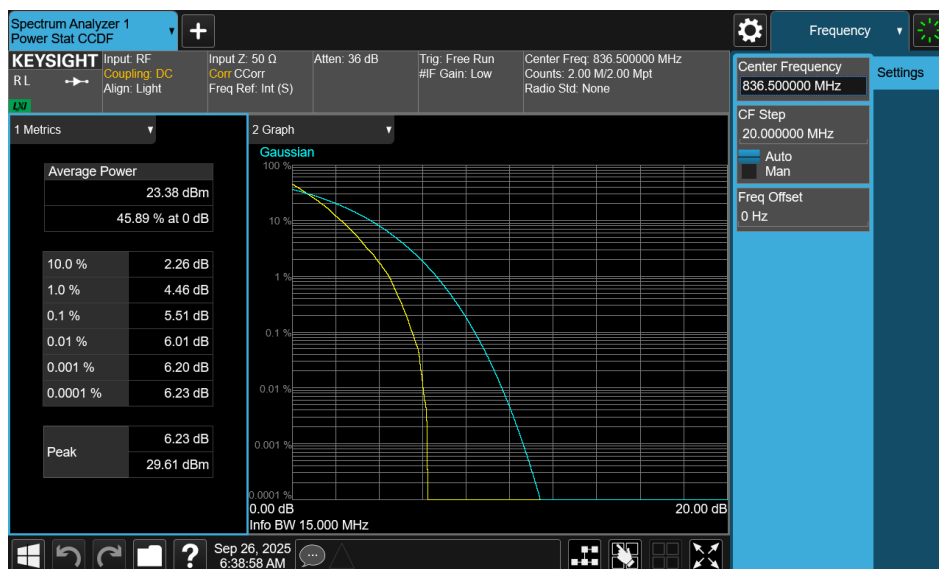


Plot 7-182. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz 256-QAM - Full RB - Ant1)

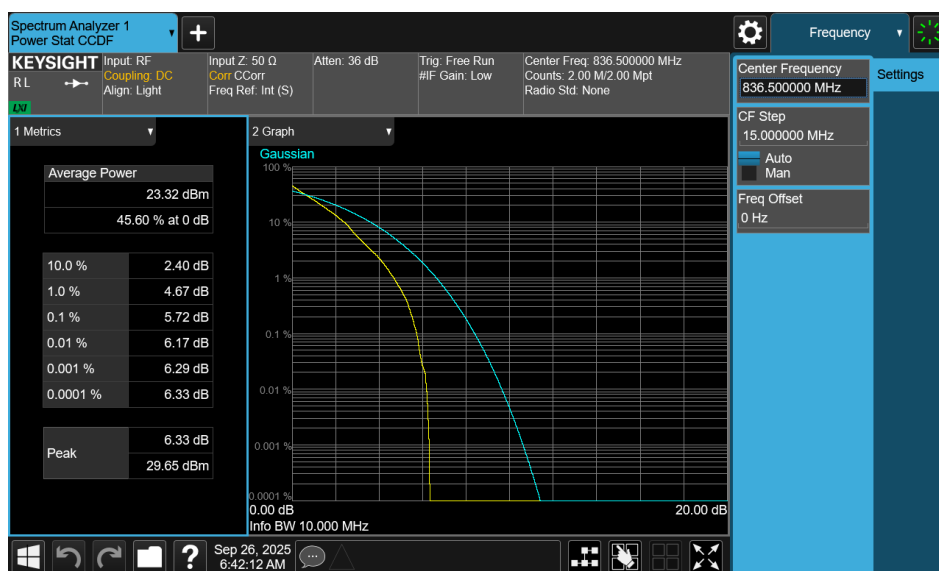
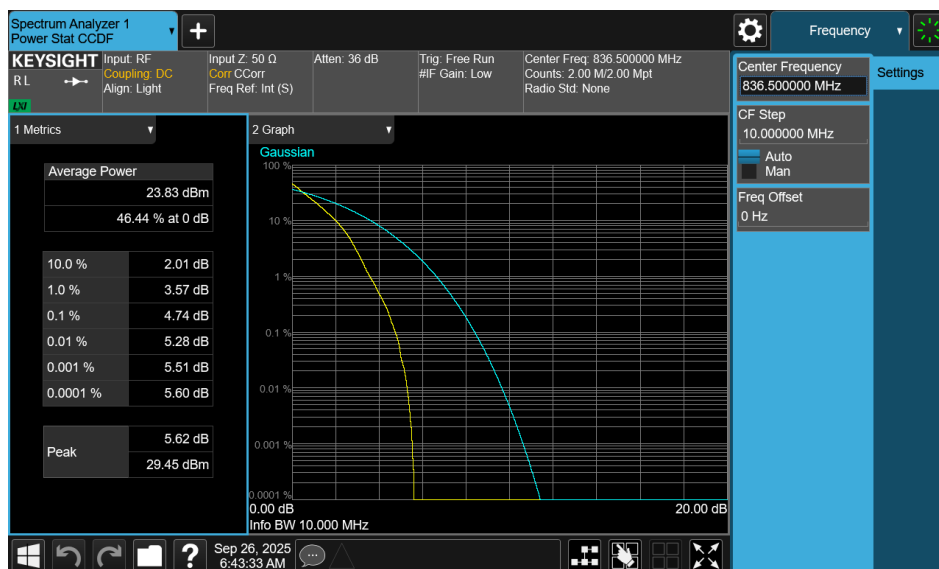


Plot 7-183. Peak-Average Ratio Plot (NR Band n26/5 - 15MHz $\pi/2$ BPSK - Full RB - Ant1)

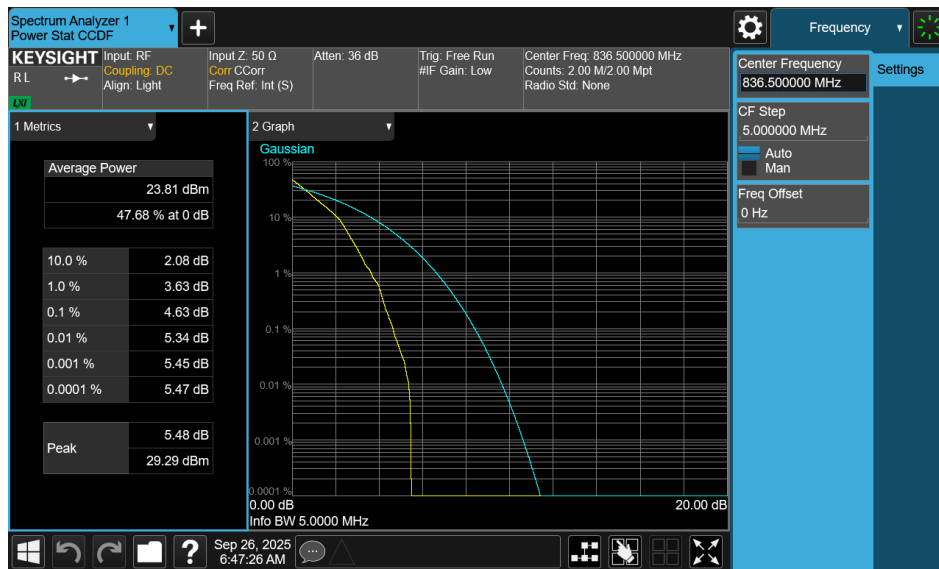
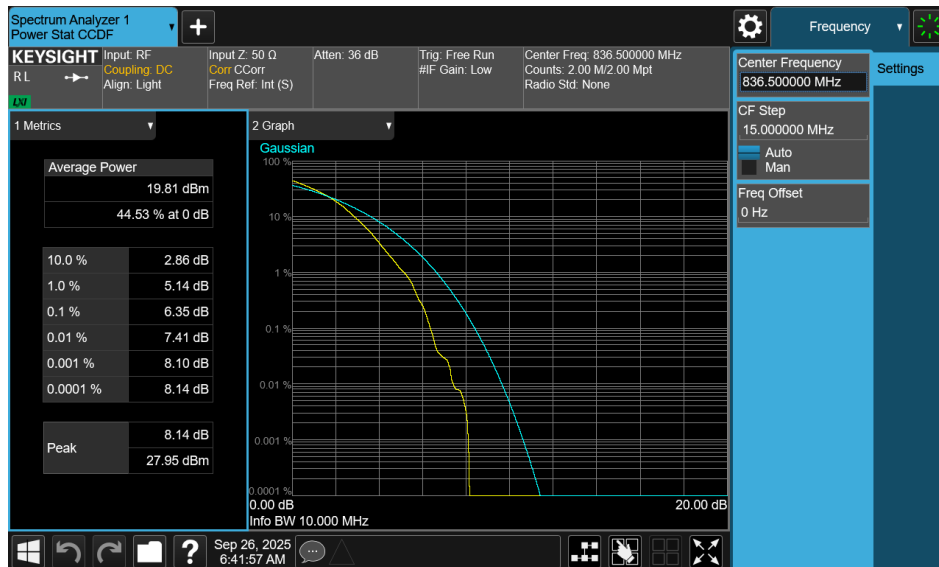
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 129 of 178



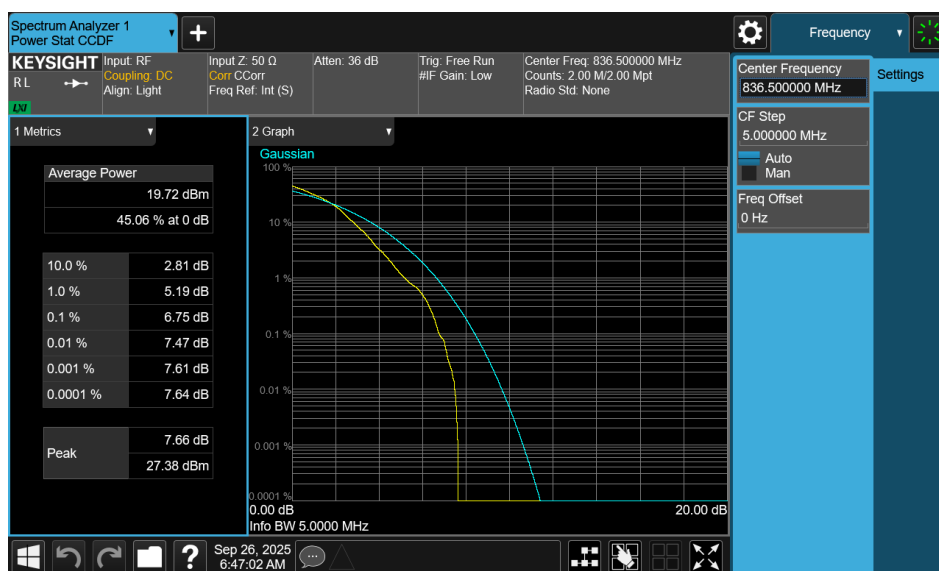
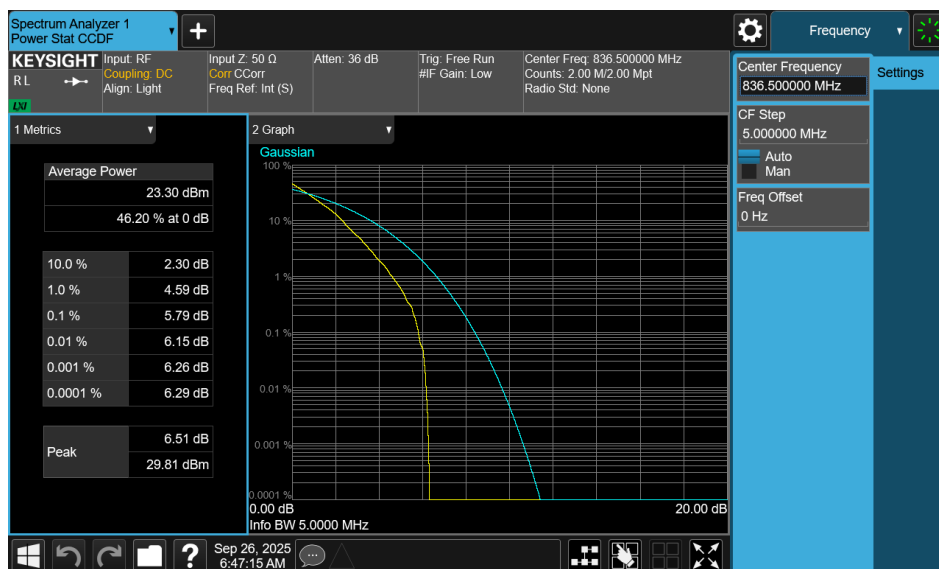
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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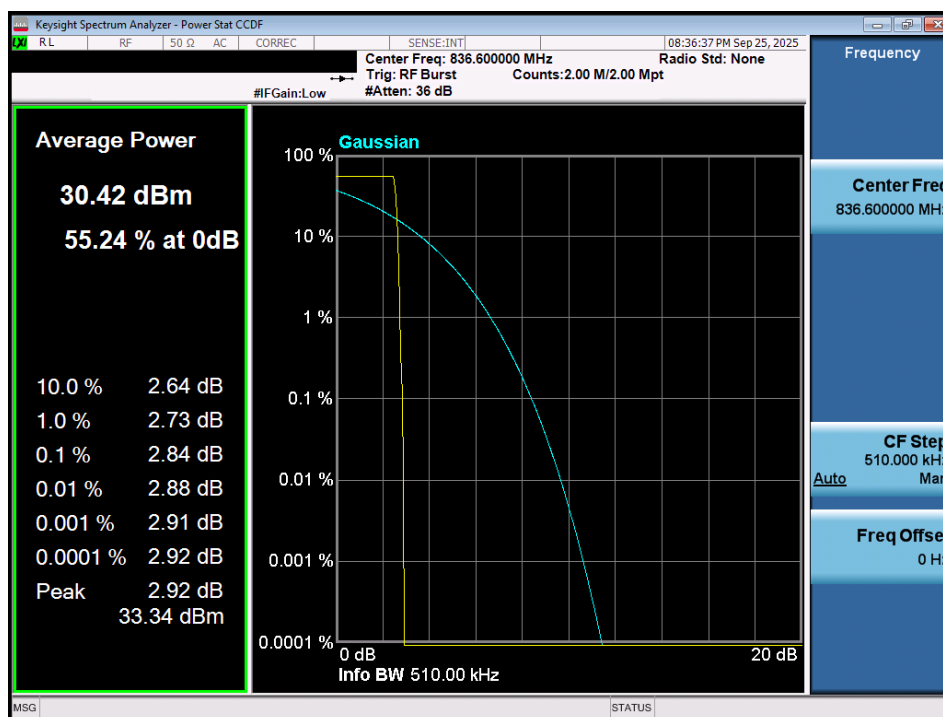
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 133 of 178

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM850	N/A	GMSK	30.42	2.84	13	-10.16
EDGE850		8-PSK	24.31	5.71	13	-7.29
WCDMA850		Spread Spectrum	23.00	2.61	13	-10.39
LTE Band 26/5	15MHz (Band 26 only)	QPSK	23.40	5.74	13	-7.26
		256QAM	19.24	6.51	13	-6.49
	10 MHz	QPSK	23.98	4.40	13	-8.60
		256QAM	18.97	6.84	13	-6.16
	5 MHz	QPSK	22.96	5.90	13	-7.10
		256QAM	18.83	6.53	13	-6.47
	3 MHz	QPSK	22.95	5.77	13	-7.23
		256QAM	19.82	6.48	13	-6.52
	1.4 MHz	QPSK	23.01	5.68	13	-7.32
		256QAM	19.60	6.62	13	-6.38
NR-n26-5	20 MHz	$\pi/2$ BPSK	23.80	4.57	13	-8.43
		QPSK	23.27	5.61	13	-7.39
		256QAM	19.71	6.57	13	-6.43
	15 MHz	$\pi/2$ BPSK	23.81	4.66	13	-8.34
		QPSK	23.29	5.39	13	-7.61
		256QAM	19.71	6.40	13	-6.60
	10 MHz	$\pi/2$ BPSK	23.82	4.62	13	-8.38
		QPSK	23.31	5.68	13	-7.32
		256QAM	19.74	6.34	13	-6.66
	5 MHz	$\pi/2$ BPSK	23.83	4.63	13	-8.37
		QPSK	23.32	5.79	13	-7.21
		256QAM	19.73	6.95	13	-6.05

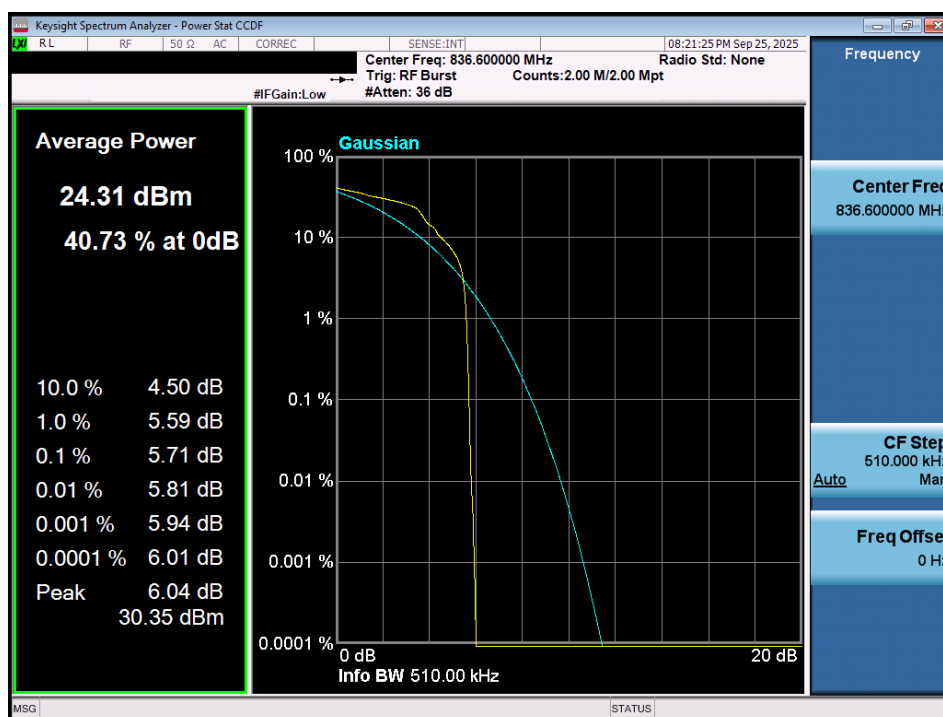
Table 7-12. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 134 of 178

GPRS Cell – Ant2



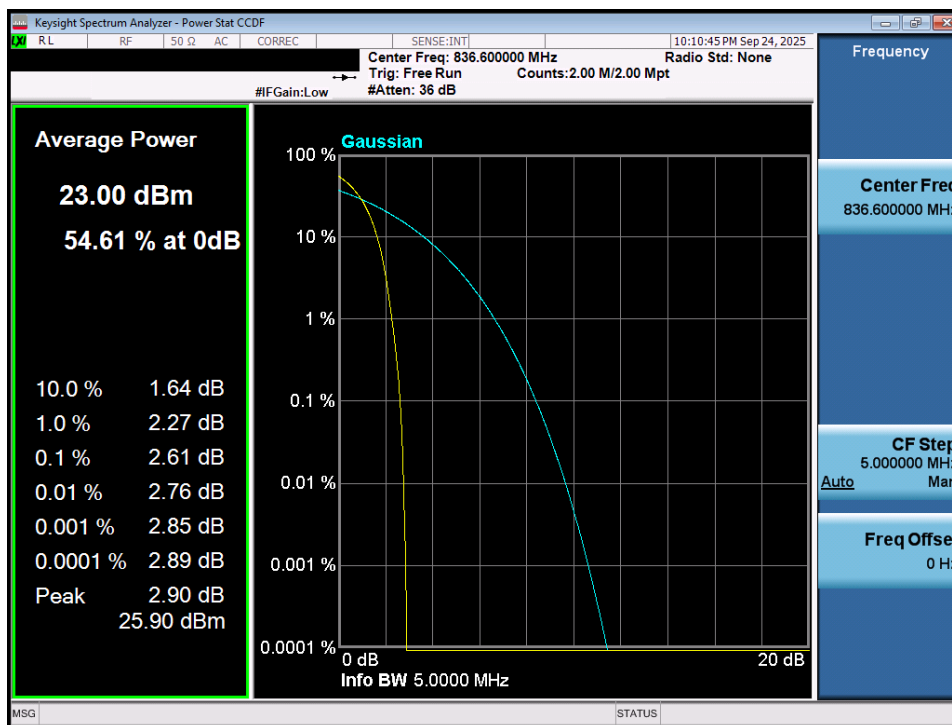
Plot 7-192. Peak-Average Ratio Plot (GPRS, Ch. 190 – Ant2)



Plot 7-193. Peak-Average Ratio Plot (EDGE, Ch. 190 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 135 of 178

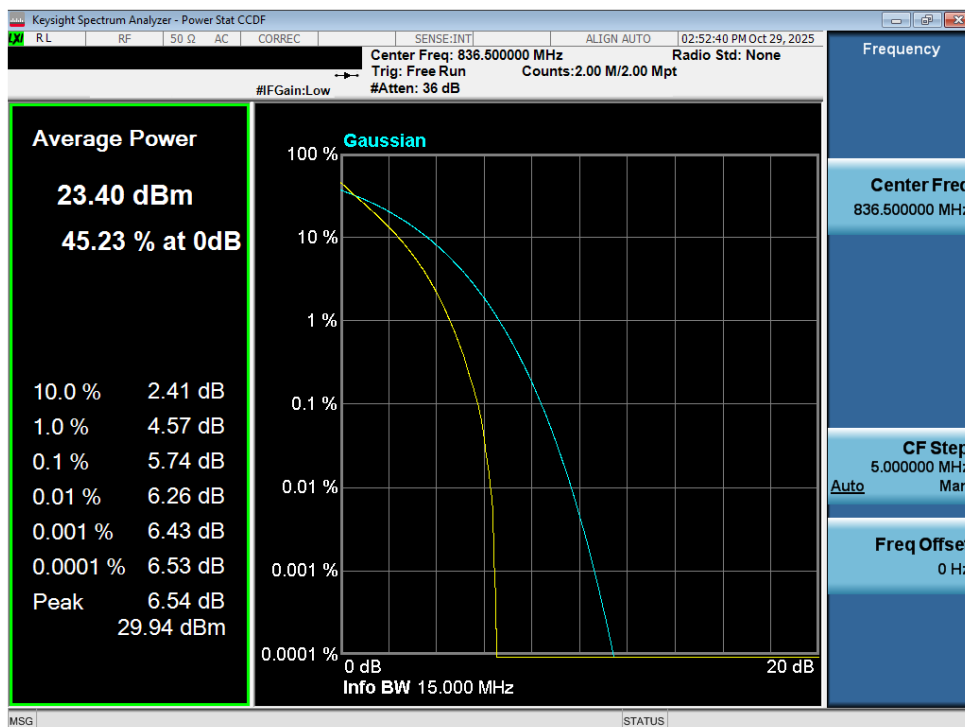
WCDMA Cell – Ant2



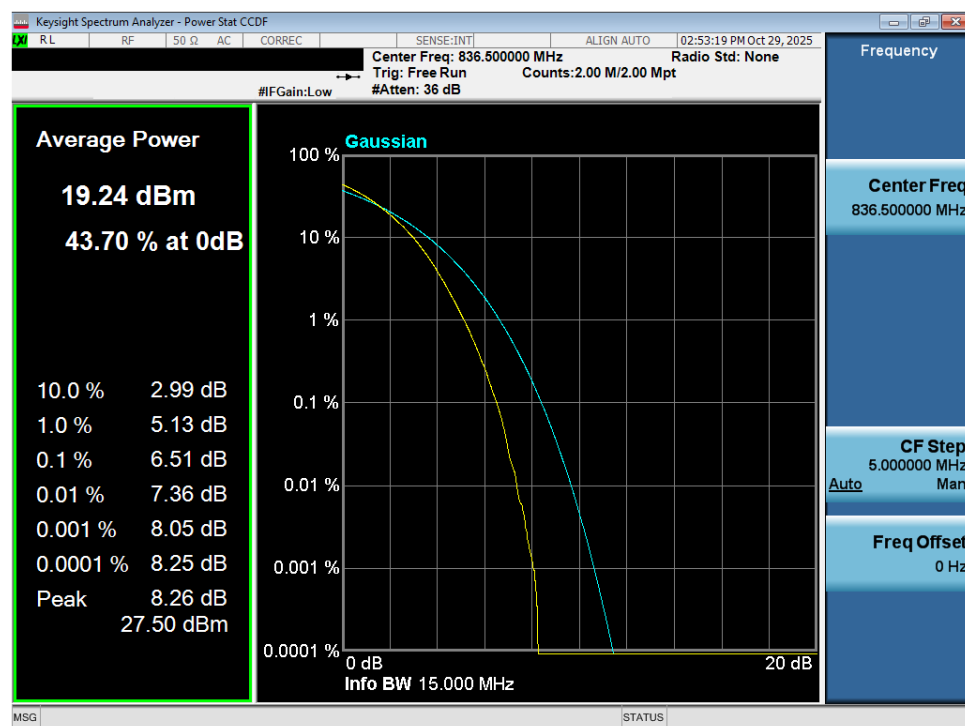
Plot 7-194. Peak-Average Ratio Plot (WCDMA, Ch. 4183 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant2

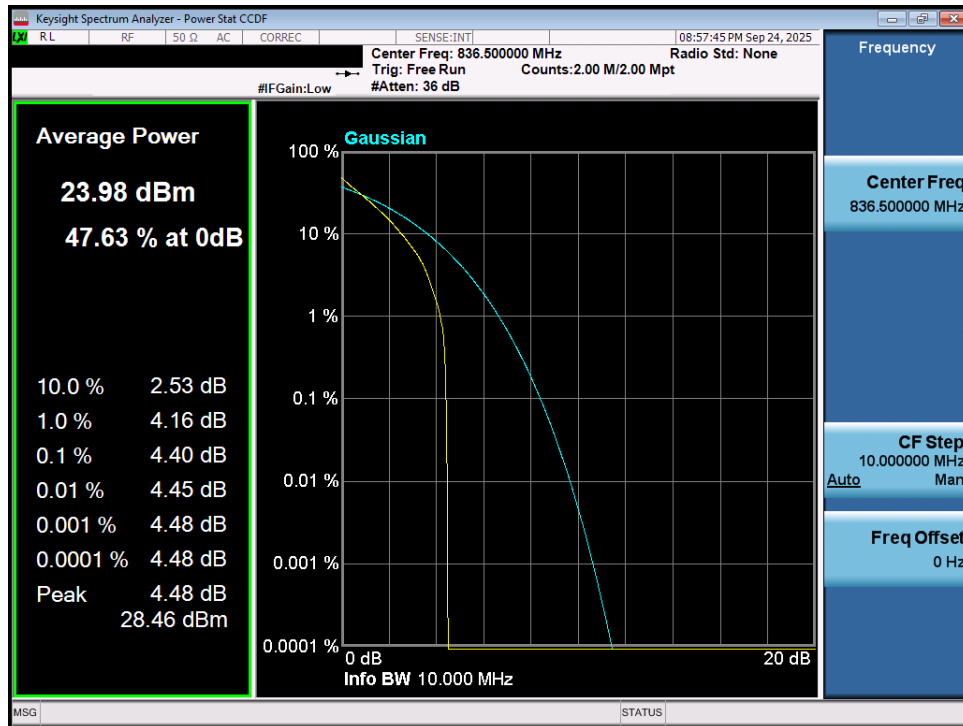


Plot 7-195. Peak-Average Ratio Plot (LTE Band 26/5 - 15MHz QPSK - Full RB - Ant2)

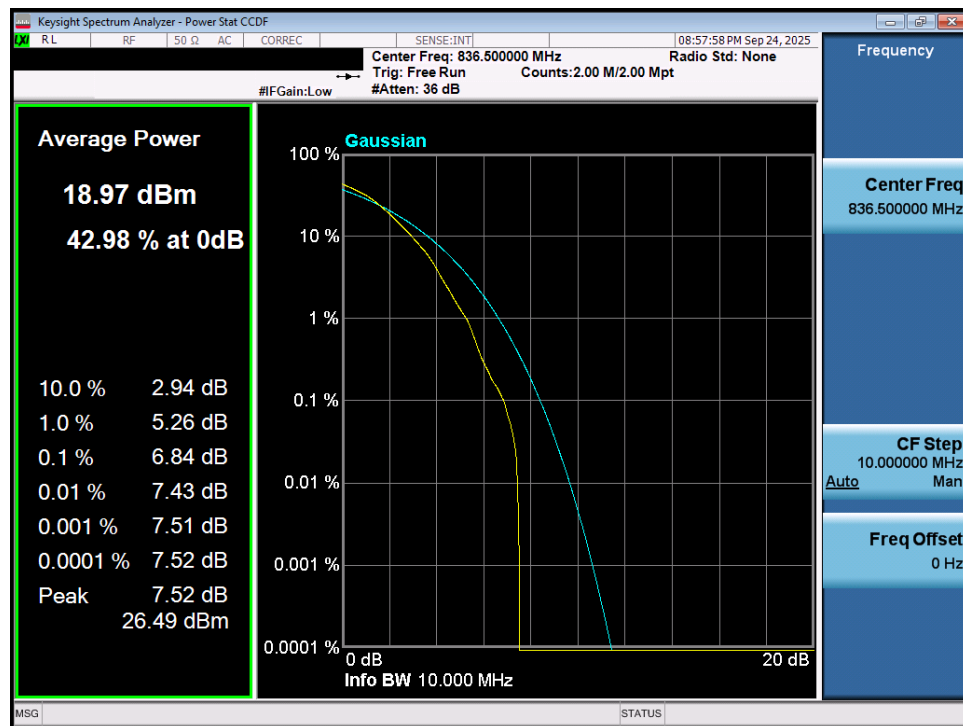


Plot 7-196. Peak-Average Ratio Plot (LTE Band 26/5 - 15MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 137 of 178

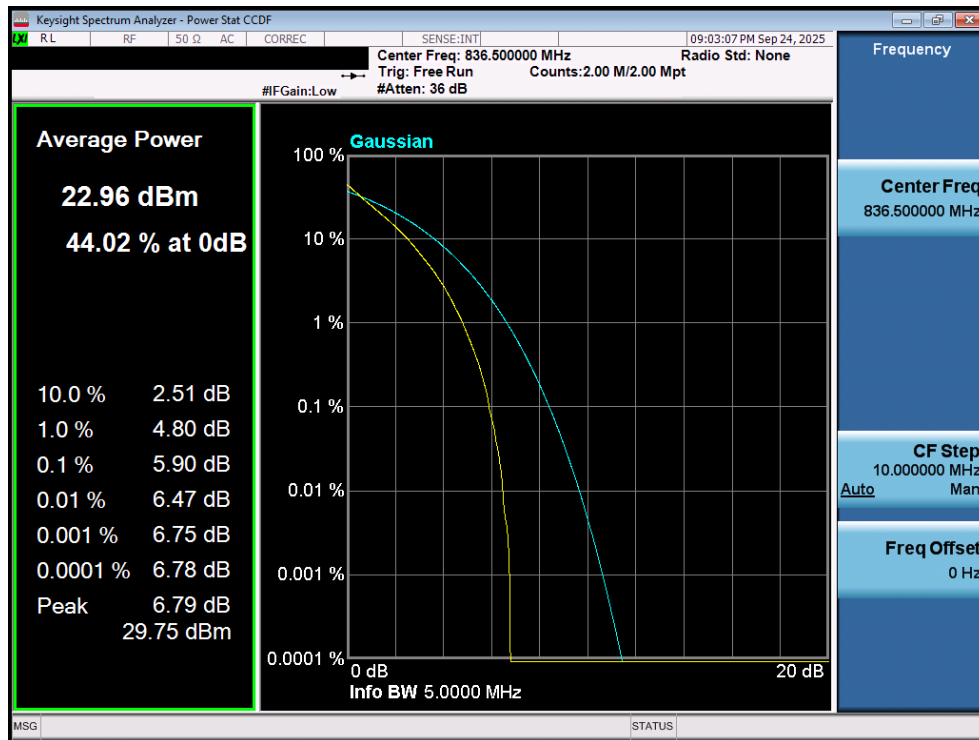


Plot 7-197. Peak-Average Ratio Plot (LTE Band 26/5 - 10MHz QPSK- Full RB - Ant2)

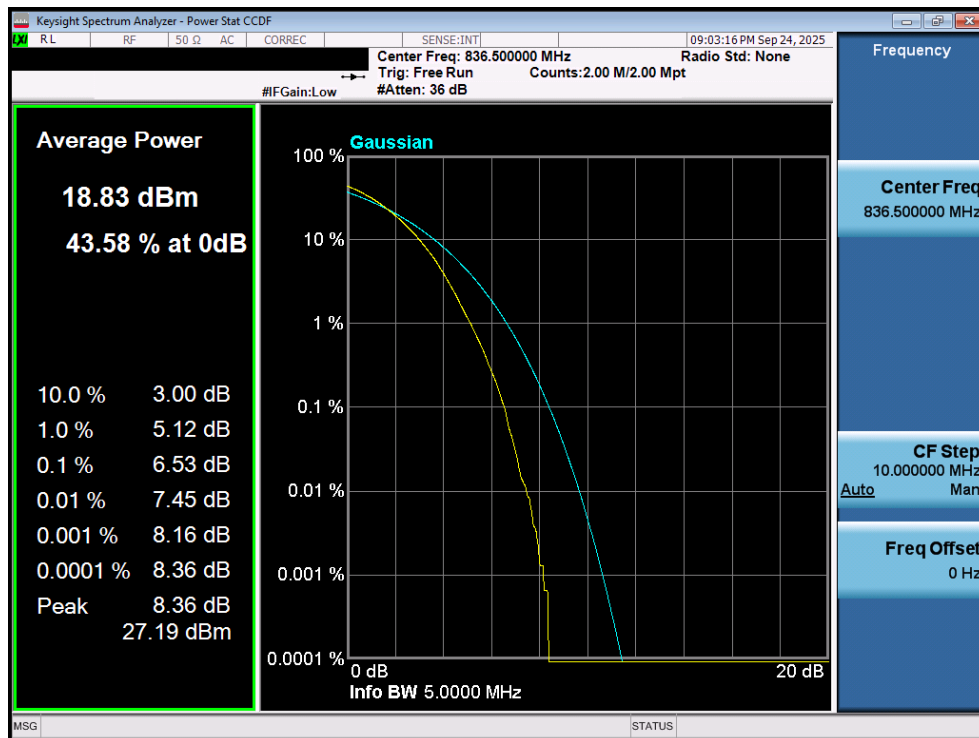


Plot 7-198. Peak-Average Ratio Plot (LTE Band 26/5 - 10MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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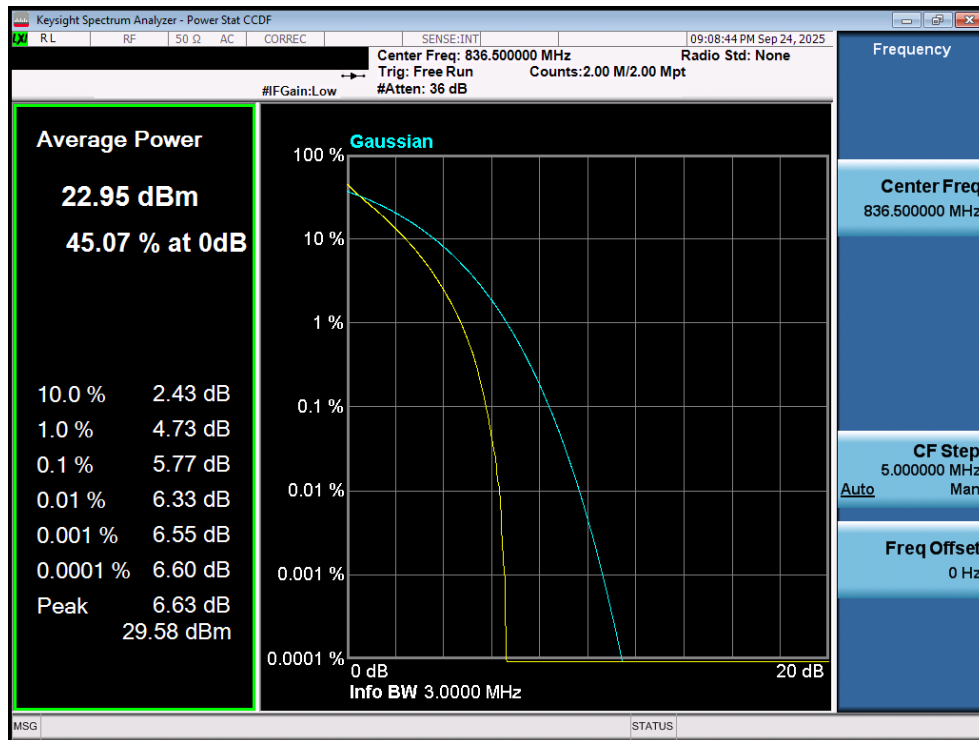


Plot 7-199. Peak-Average Ratio Plot (LTE Band 26/5 - 5MHz QPSK- Full RB - Ant2)

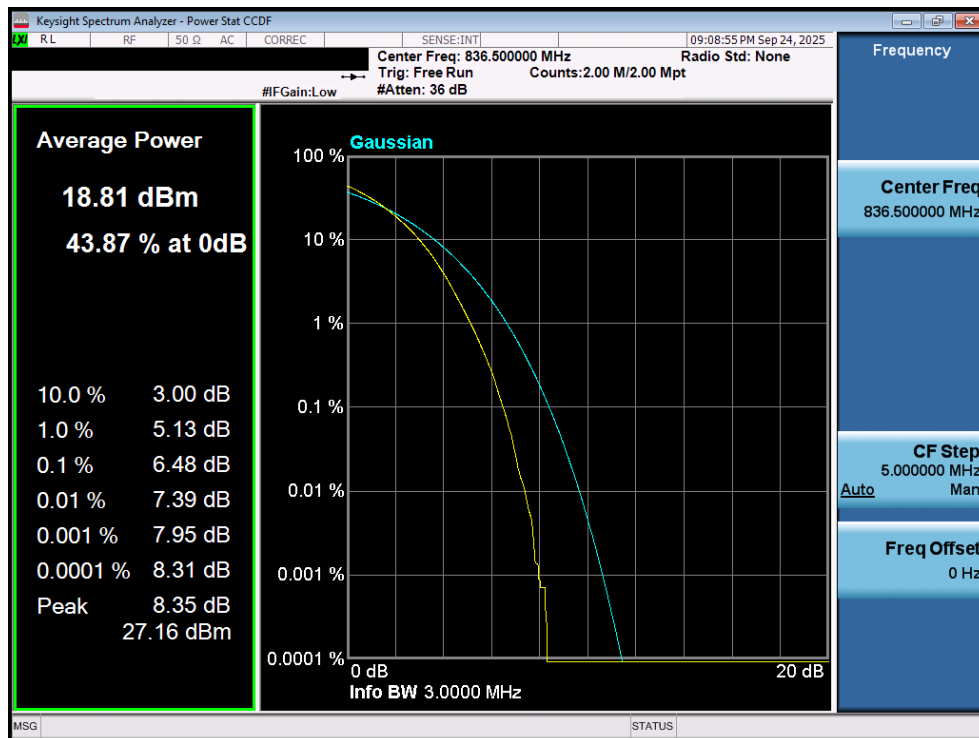


Plot 7-200. Peak-Average Ratio Plot (LTE Band 26/5 - 5MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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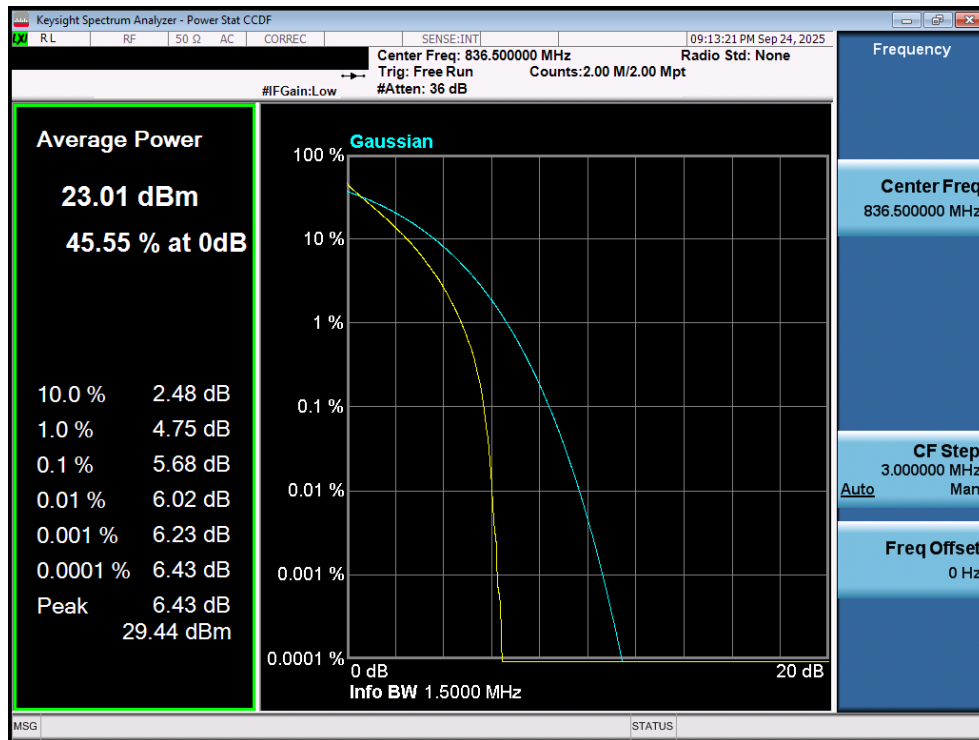


Plot 7-201. Peak-Average Ratio Plot (LTE Band 26/5 - 3MHz QPSK- Full RB - Ant2)

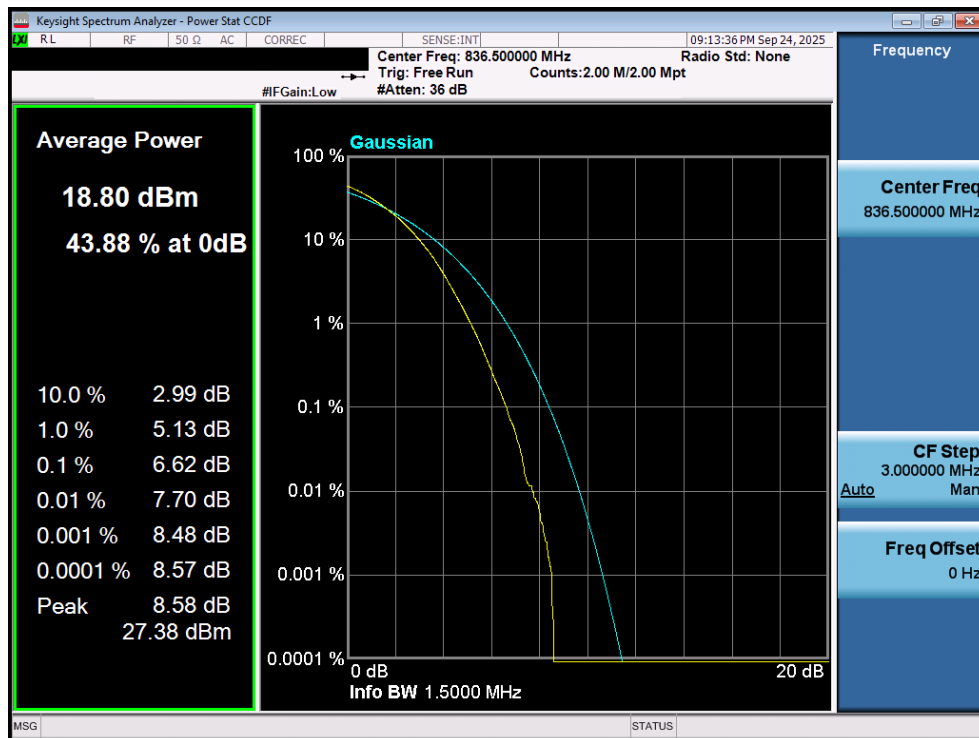


Plot 7-202. Peak-Average Ratio Plot (LTE Band 26/5 - 3MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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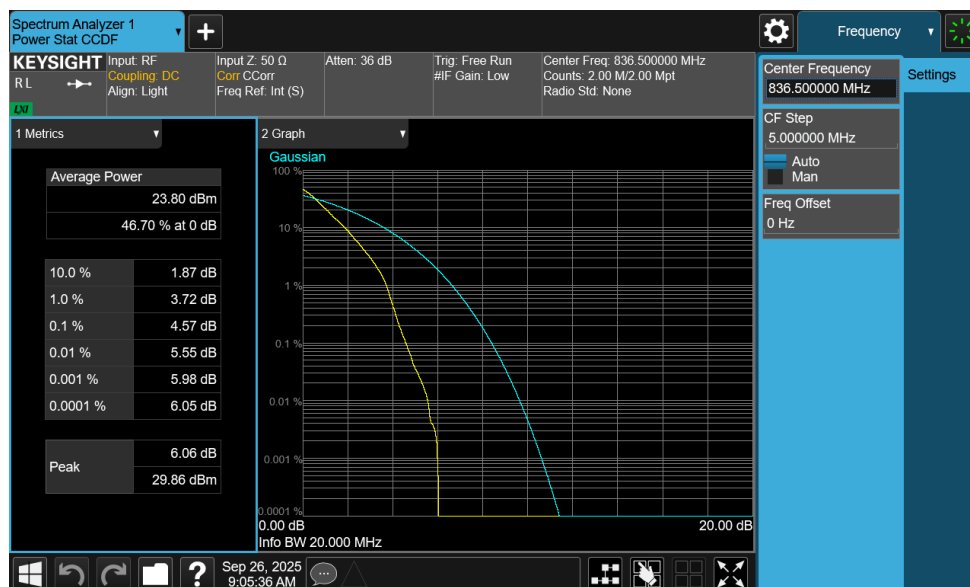
Plot 7-203. Peak-Average Ratio Plot (LTE Band 26/5 – 1.4MHz QPSK- Full RB - Ant2)



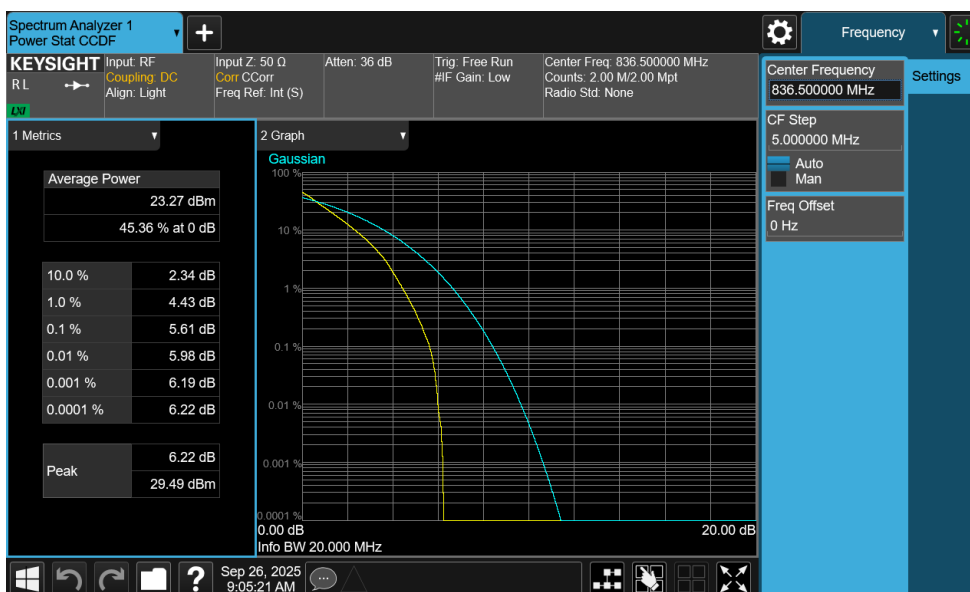
Plot 7-204. Peak-Average Ratio Plot (LTE Band 26/5 – 1.4MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26/5 – Ant2

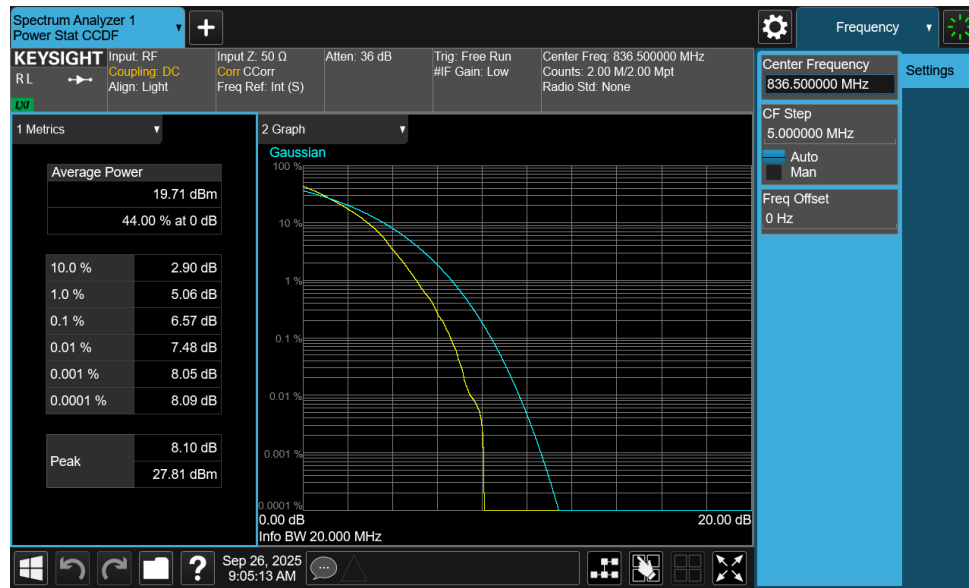


Plot 7-205. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz $\pi/2$ BPSK - Full RB - Ant2)

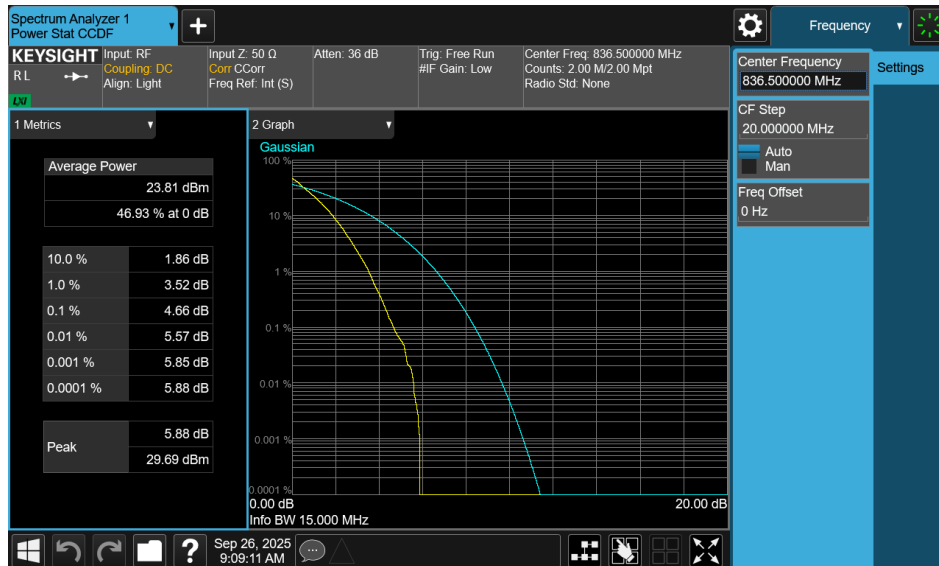


Plot 7-206. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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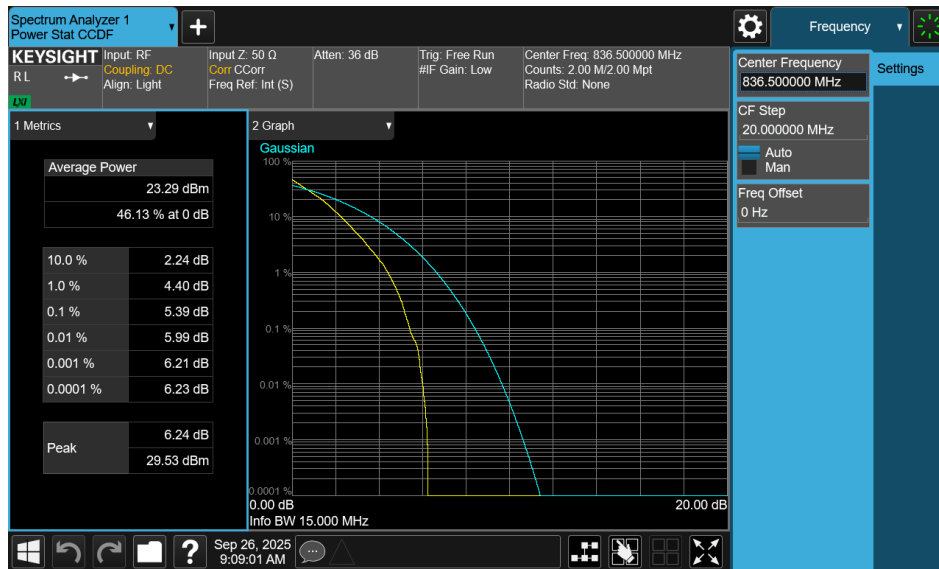


Plot 7-207. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz 256-QAM - Full RB - Ant2)

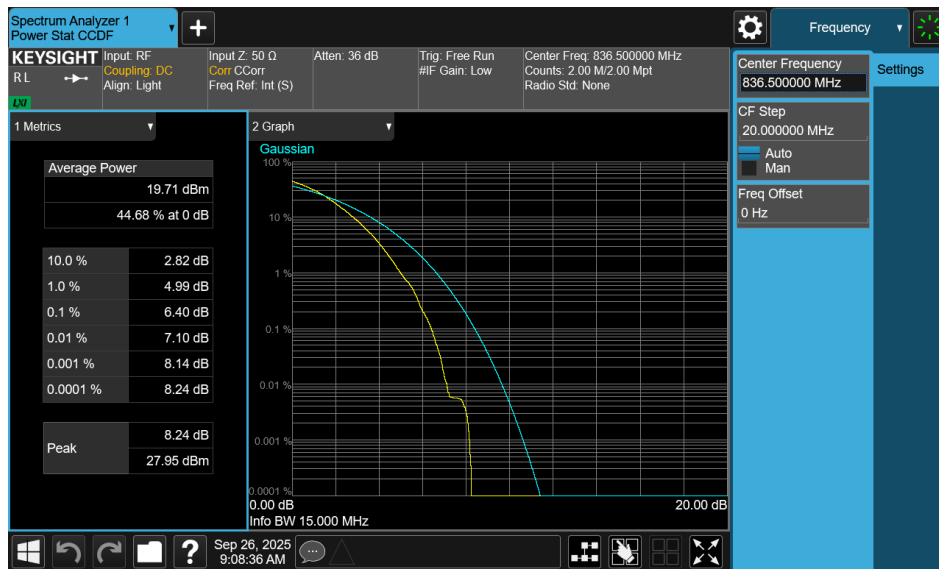


Plot 7-208. Peak-Average Ratio Plot (NR Band n26/5 - 15MHz $\pi/2$ BPSK - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 143 of 178

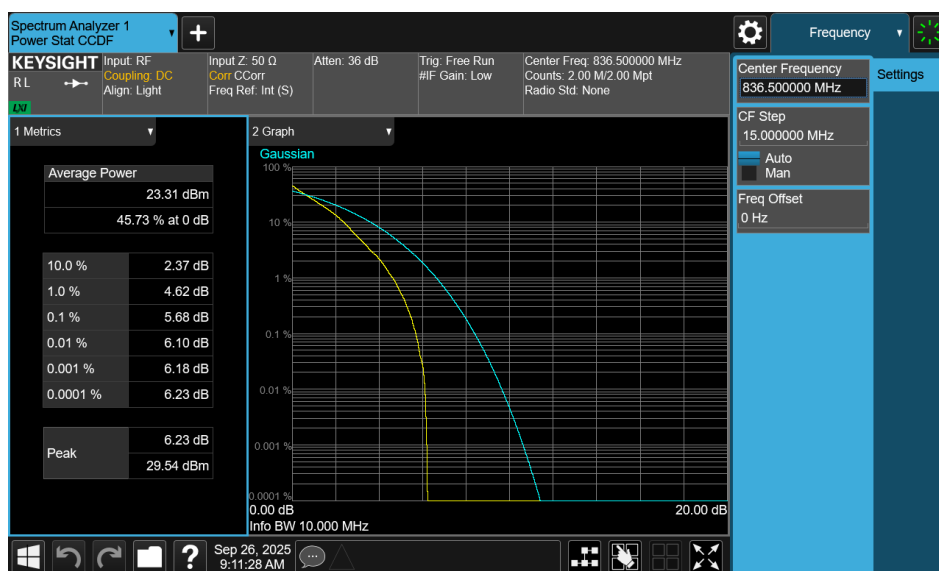
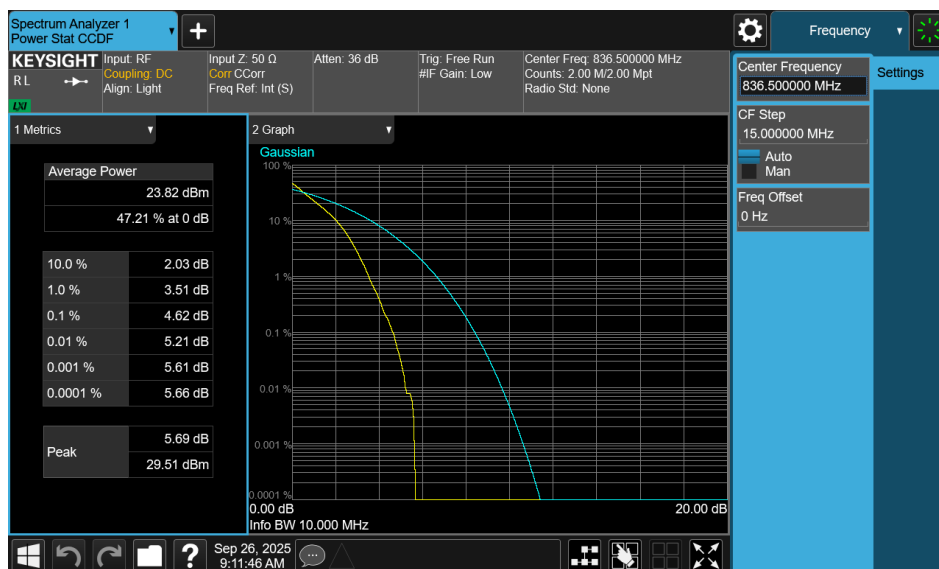


Plot 7-209. Peak-Average Ratio Plot (NR Band n26/5 - 15MHz QPSK - Full RB - Ant2)

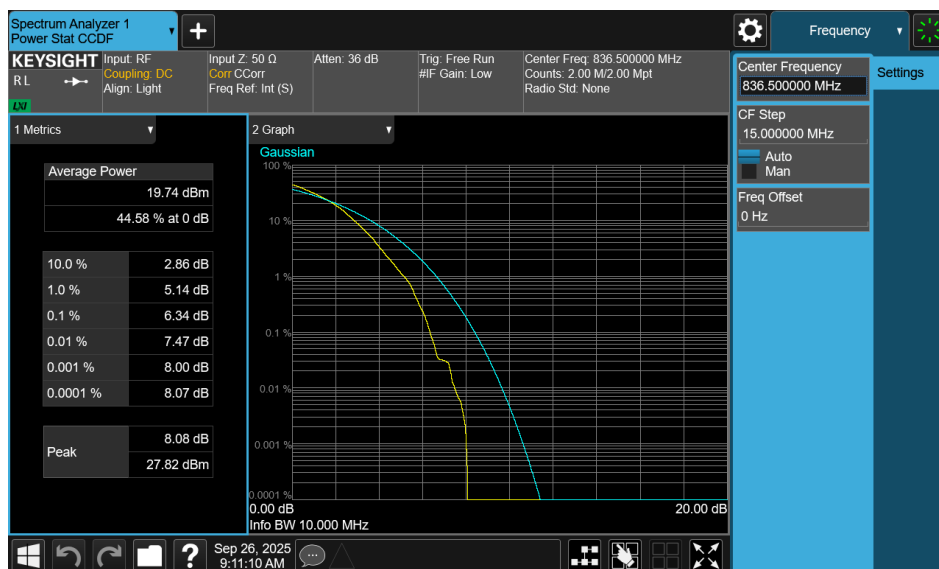


Plot 7-210. Peak-Average Ratio Plot (NR Band n26/5 - 15MHz 256-QAM - Full RB - Ant2)

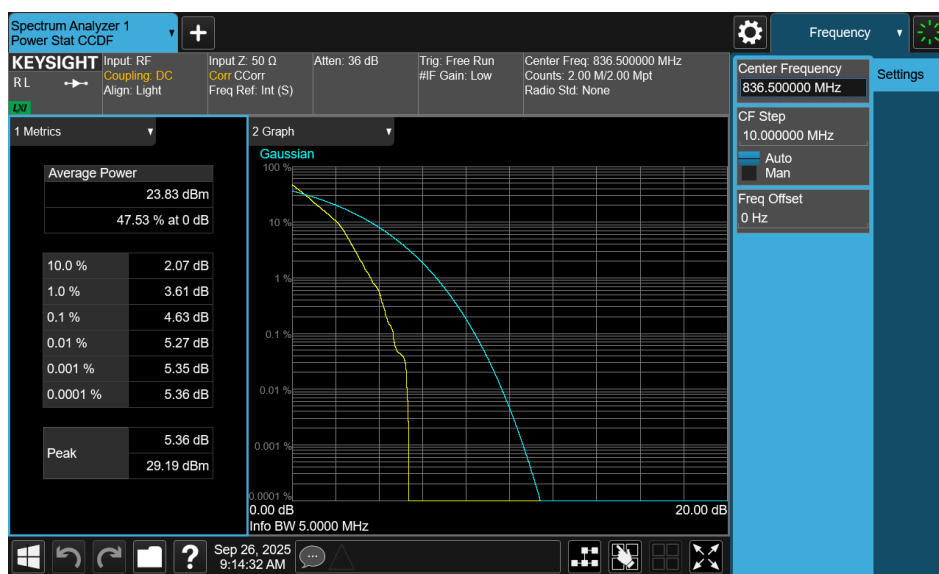
FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 144 of 178



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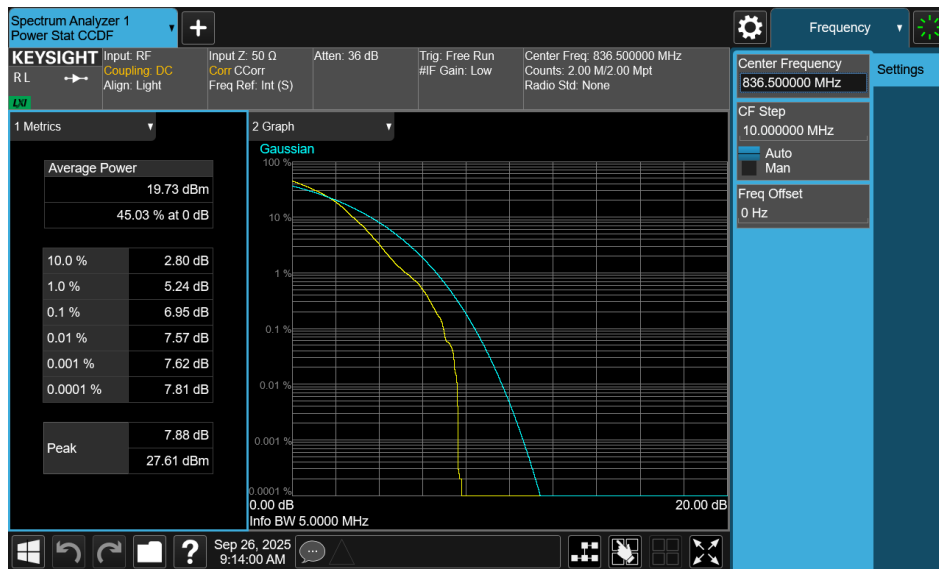
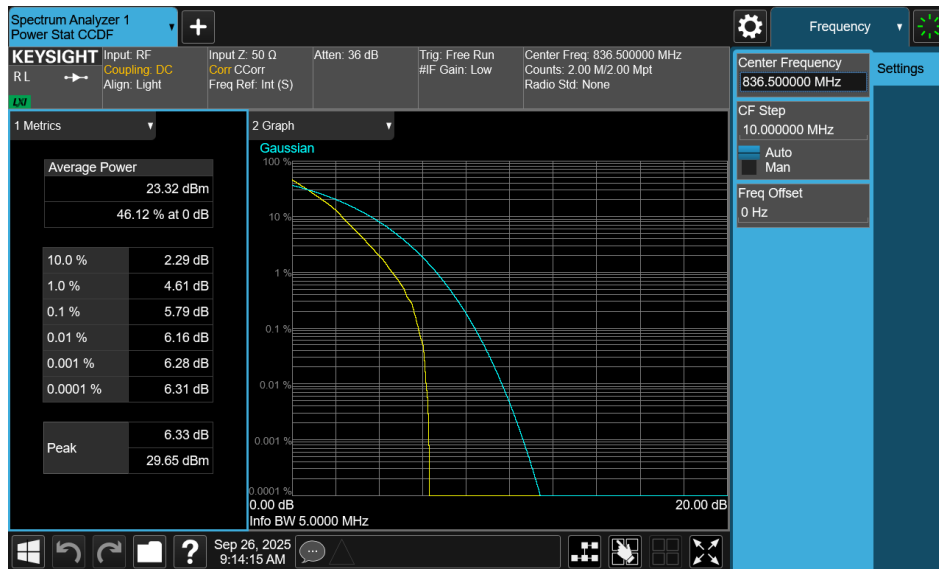


Plot 7-213. Peak-Average Ratio Plot (NR Band n26/5 - 10MHz 256-QAM - Full RB - Ant2)



Plot 7-214. Peak-Average Ratio Plot (NR Band n26/5 - 5MHz $\pi/2$ BPSK - Full RB - Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

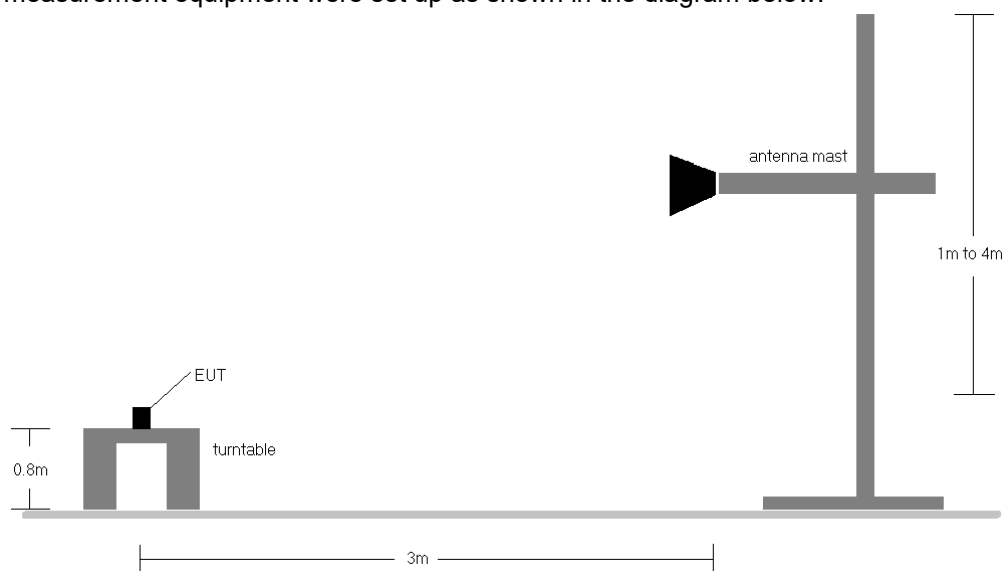


Figure 7-6. Radiated Test Setup < 1GHz

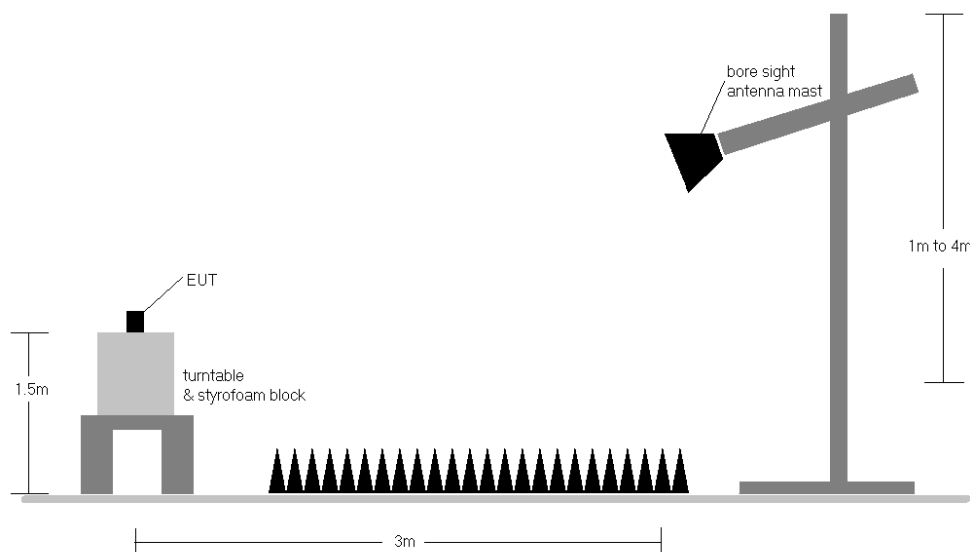


Figure 7-7. Radiated Test Setup > 1GHz

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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15MHz (Band 26 only)	QPSK	831.50	H	396	276	1.29	1 / 37	19.36	18.50	0.071	38.45	-19.95	20.65	0.116	40.61	-19.96
	QPSK	836.50	H	397	282	1.31	1 / 0	18.92	18.08	0.064	38.45	-20.37	20.23	0.105	40.61	-20.38
	QPSK	841.50	H	393	278	1.33	1 / 74	19.35	18.53	0.071	38.45	-19.92	20.68	0.117	40.61	-19.92
	16-QAM	831.50	H	396	276	1.29	1 / 37	18.05	17.19	0.052	38.45	-21.26	19.34	0.086	40.61	-21.27
	16-QAM	836.50	H	397	282	1.31	1 / 0	17.55	16.71	0.047	38.45	-21.74	18.86	0.077	40.61	-21.75
	16-QAM	841.50	H	393	278	1.33	1 / 74	17.85	17.03	0.051	38.45	-21.42	19.18	0.083	40.61	-21.42
10 MHz	QPSK	829.00	H	396	276	1.27	1 / 49	19.33	18.45	0.070	38.45	-20.00	20.60	0.115	40.61	-20.00
	QPSK	836.50	H	397	282	1.31	1 / 49	18.87	18.03	0.064	38.45	-20.42	20.18	0.104	40.61	-20.43
	QPSK	844.00	H	393	278	1.35	1 / 49	19.32	18.52	0.071	38.45	-19.93	20.67	0.117	40.61	-19.94
	16-QAM	829.00	H	396	276	1.27	1 / 49	18.06	17.18	0.052	38.45	-21.27	19.33	0.086	40.61	-21.28
	16-QAM	836.50	H	397	282	1.31	1 / 49	17.49	16.65	0.046	38.45	-21.80	18.80	0.076	40.61	-21.81
	16-QAM	844.00	H	393	278	1.35	1 / 49	17.66	16.86	0.049	38.45	-21.59	19.01	0.080	40.61	-21.60
5 MHz	QPSK	826.50	H	396	276	1.26	1 / 0	19.32	18.43	0.070	38.45	-20.02	20.58	0.114	40.61	-20.03
	QPSK	836.50	H	397	282	1.31	1 / 0	18.83	17.99	0.063	38.45	-20.46	20.14	0.103	40.61	-20.46
	QPSK	846.50	H	393	278	1.36	1 / 12	19.26	18.46	0.070	38.45	-19.99	20.61	0.115	40.61	-19.99
	16-QAM	826.50	H	396	276	1.26	1 / 0	18.02	17.13	0.052	38.45	-21.32	19.28	0.085	40.61	-21.33
	16-QAM	836.50	H	397	282	1.31	1 / 0	17.43	16.59	0.046	38.45	-21.86	18.74	0.075	40.61	-21.87
	16-QAM	846.50	H	393	278	1.36	1 / 12	17.76	16.97	0.050	38.45	-21.48	19.12	0.082	40.61	-21.48
3 MHz	QPSK	825.50	H	396	276	1.26	1 / 7	19.17	18.28	0.067	38.45	-20.17	20.43	0.110	40.61	-20.18
	QPSK	836.50	H	397	282	1.31	1 / 7	18.73	17.89	0.062	38.45	-20.56	20.04	0.101	40.61	-20.56
	QPSK	847.50	H	393	278	1.36	1 / 0	19.25	18.46	0.070	38.45	-19.99	20.61	0.115	40.61	-19.99
	16-QAM	825.50	H	396	276	1.26	1 / 7	17.97	17.08	0.051	38.45	-21.37	19.23	0.084	40.61	-21.37
	16-QAM	836.50	H	397	282	1.31	1 / 7	17.48	16.64	0.046	38.45	-21.81	18.79	0.076	40.61	-21.82
	16-QAM	847.50	H	393	278	1.36	1 / 0	17.64	16.85	0.048	38.45	-21.60	19.00	0.079	40.61	-21.61
1.4 MHz	QPSK	824.70	H	396	276	1.25	1 / 3	19.21	18.31	0.068	38.45	-20.14	20.46	0.111	40.61	-20.14
	QPSK	836.50	H	397	282	1.31	1 / 3	18.65	17.81	0.060	38.45	-20.64	19.96	0.099	40.61	-20.64
	QPSK	848.30	H	393	278	1.37	1 / 5	19.19	18.40	0.069	38.45	-20.05	20.55	0.114	40.61	-20.05
	16-QAM	824.70	H	396	276	1.25	1 / 3	18.24	17.34	0.054	38.45	-21.11	19.49	0.089	40.61	-21.11
	16-QAM	836.50	H	397	282	1.31	1 / 3	17.37	16.53	0.045	38.45	-21.92	18.68	0.074	40.61	-21.93
	16-QAM	848.30	H	393	278	1.37	1 / 5	17.51	16.72	0.047	38.45	-21.73	18.87	0.077	40.61	-21.73
15MHz	QPSK (Opposite Pol.)	841.50	V	133	236	1.31	1 / 74	16.62	15.78	0.038	38.45	-22.67	17.93	0.062	40.61	-22.68
	QPSK (WCP)	841.50	H	399	280	1.31	1 / 37	18.16	17.32	0.054	38.45	-21.13	19.47	0.089	40.61	-21.14

Table 7-13. ERP Data (LTE Band 26/5 – 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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	TT/2 BPSK	834.00	V	140	234	1.30	1 / 53	20.15	19.30	0.085	38.45	-19.15	21.45	0.140	40.61	-19.16
	TT/2 BPSK	836.50	V	140	221	1.35	1 / 53	19.39	18.59	0.072	38.45	-19.86	20.74	0.119	40.61	-19.86
	TT/2 BPSK	839.00	V	137	231	1.41	1 / 53	18.93	18.19	0.066	38.45	-20.27	20.34	0.108	40.61	-20.27
	QPSK	834.00	V	140	234	1.30	1 / 53	19.36	18.51	0.071	38.45	-19.94	20.66	0.116	40.61	-19.95
	QPSK	836.50	V	140	221	1.35	1 / 53	19.21	18.41	0.069	38.45	-20.04	20.56	0.114	40.61	-20.04
	QPSK	839.00	V	137	231	1.41	1 / 53	18.71	17.97	0.063	38.45	-20.49	20.12	0.103	40.61	-20.49
	16-QAM	834.00	V	140	234	1.30	1 / 53	18.35	17.50	0.056	38.45	-20.95	19.65	0.092	40.61	-20.96
	16-QAM	836.50	V	140	221	1.35	1 / 53	18.44	17.64	0.058	38.45	-20.81	19.79	0.095	40.61	-20.81
	16-QAM	839.00	V	137	231	1.41	1 / 53	17.79	17.05	0.051	38.45	-21.41	19.20	0.083	40.61	-21.41
	TT/2 BPSK	831.50	V	140	234	1.25	1 / 77	20.06	19.16	0.082	38.45	-19.29	21.31	0.135	40.61	-19.30
15 MHz	TT/2 BPSK	836.50	V	140	221	1.35	1 / 77	19.27	18.47	0.070	38.45	-19.98	20.62	0.115	40.61	-19.99
	TT/2 BPSK	841.50	V	137	231	1.46	1 / 77	18.89	18.20	0.066	38.45	-20.25	20.35	0.108	40.61	-20.26
	QPSK	831.50	V	140	234	1.25	1 / 77	19.35	18.45	0.070	38.45	-20.00	20.60	0.115	40.61	-20.01
	QPSK	836.50	V	140	221	1.35	1 / 77	19.33	18.53	0.071	38.45	-19.92	20.68	0.117	40.61	-19.93
	QPSK	841.50	V	137	231	1.46	1 / 77	18.56	17.87	0.061	38.45	-20.58	20.02	0.101	40.61	-20.59
	16-QAM	831.50	V	140	234	1.25	1 / 77	18.25	17.35	0.054	38.45	-21.10	19.50	0.089	40.61	-21.11
	16-QAM	836.50	V	140	221	1.35	1 / 77	18.63	17.83	0.061	38.45	-20.62	19.98	0.100	40.61	-20.63
	16-QAM	841.50	V	137	231	1.46	1 / 77	17.81	17.12	0.052	38.45	-21.33	19.27	0.085	40.61	-21.34
	TT/2 BPSK	829.00	V	140	234	1.20	1 / 50	20.14	19.18	0.083	38.45	-19.27	21.33	0.136	40.61	-19.27
	TT/2 BPSK	836.50	V	140	221	1.35	1 / 26	19.23	18.43	0.070	38.45	-20.02	20.58	0.114	40.61	-20.02
10 MHz	TT/2 BPSK	844.00	V	137	231	1.51	1 / 1	18.77	18.13	0.065	38.45	-20.32	20.28	0.107	40.61	-20.33
	QPSK	829.00	V	140	234	1.20	1 / 50	19.33	18.37	0.069	38.45	-20.08	20.52	0.113	40.61	-20.08
	QPSK	836.50	V	140	221	1.35	1 / 26	19.18	18.39	0.069	38.45	-20.06	20.54	0.113	40.61	-20.07
	QPSK	844.00	V	137	231	1.51	1 / 1	18.48	17.84	0.061	38.45	-20.61	19.99	0.100	40.61	-20.62
	16-QAM	829.00	V	140	234	1.20	1 / 50	18.06	17.11	0.051	38.45	-21.34	19.26	0.084	40.61	-21.35
	16-QAM	836.50	V	140	221	1.35	1 / 26	18.45	17.65	0.058	38.45	-20.80	19.80	0.095	40.61	-20.81
	16-QAM	844.00	V	137	231	1.51	1 / 1	17.50	16.86	0.048	38.45	-21.60	19.01	0.080	40.61	-21.60
	TT/2 BPSK	829.00	V	140	234	1.14	1 / 12	20.12	19.11	0.081	38.45	-19.34	21.26	0.134	40.61	-19.35
	TT/2 BPSK	836.50	V	140	221	1.35	1 / 12	19.21	18.41	0.069	38.45	-20.04	20.56	0.114	40.61	-20.04
	TT/2 BPSK	844.00	V	137	231	1.56	1 / 23	18.96	18.37	0.069	38.45	-20.08	20.52	0.113	40.61	-20.09
5 MHz	QPSK	829.00	V	140	234	1.14	1 / 12	19.30	18.29	0.067	38.45	-20.16	20.44	0.111	40.61	-20.17
	QPSK	836.50	V	140	221	1.35	1 / 12	19.29	18.50	0.071	38.45	-19.95	20.65	0.116	40.61	-19.96
	QPSK	844.00	V	137	231	1.56	1 / 23	18.49	17.90	0.062	38.45	-20.55	20.05	0.101	40.61	-20.56
	16-QAM	829.00	V	140	234	1.14	1 / 12	18.13	17.12	0.052	38.45	-21.33	19.27	0.085	40.61	-21.33
	16-QAM	836.50	V	140	221	1.35	1 / 12	18.39	17.59	0.057	38.45	-20.86	19.74	0.094	40.61	-20.86
	16-QAM	844.00	V	137	231	1.56	1 / 23	17.59	17.00	0.050	38.45	-21.45	19.15	0.082	40.61	-21.45
	QPSK (CP-OFDM)	834.00	V	140	224	1.30	1/53	17.85	17.00	0.050	38.45	-21.45	19.15	0.082	40.61	-21.46
	QPSK (Opposite Pol.)	834.00	H	221	290	1.50	1/53	18.02	17.37	0.055	38.45	-21.08	19.52	0.090	40.61	-21.08
	QPSK (WCP)	834.00	V	137	232	1.30	1/53	12.37	11.52	0.014	38.45	-28.93	13.67	0.023	40.61	-28.94

Table 7-14. ERP Data (NR Band n26/5 – 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.20	GSM850	V	136	247	28.46	1.09	27.40	0.550	38.45	-11.05	29.55	0.902	40.61	-11.05
836.60	GSM850	V	136	243	28.42	1.36	27.63	0.579	38.45	-10.83	29.78	0.950	40.61	-10.83
848.80	GSM850	V	146	243	27.24	1.61	26.70	0.468	38.45	-11.75	28.85	0.767	40.61	-11.76
836.60	GSM850	H	202	169	28.46	1.54	25.85	0.385	38.45	-12.60	28.00	0.632	40.61	-12.60
836.60	EDGE850	V	136	243	22.67	1.36	21.88	0.154	38.45	-16.58	24.03	0.253	40.61	-16.58
836.60	GSM850 (WCP)	V	145	231	22.59	1.36	21.80	0.151	38.45	-16.66	23.95	0.248	40.61	-16.66

Table 7-15. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
826.40	WCDMA850	V	140	241	20.80	1.14	19.79	0.095	38.45	-18.66	21.94	0.156	40.61	-18.67
836.60	WCDMA850	V	137	244	20.65	1.36	19.86	0.097	38.45	-18.60	22.01	0.159	40.61	-18.60
846.60	WCDMA850	V	137	241	19.55	1.56	18.96	0.079	38.45	-19.49	21.11	0.129	40.61	-19.49
836.60	WCDMA850	H	222	281	19.62	1.54	19.01	0.080	38.45	-19.44	21.16	0.131	40.61	-19.44
836.60	WCDMA850 (WCP)	V	134	256	14.55	1.36	13.76	0.024	38.45	-24.70	15.91	0.039	40.61	-24.70

Table 7-16. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
15MHz (Band 26 only)	QPSK	831.50	H	225	231	1.46	1 / 37	21.93	21.24	0.133	38.45	-17.21	23.39	0.218	40.61	-17.22
	QPSK	836.50	H	222	229	1.54	1 / 0	22.09	21.48	0.141	38.45	-16.97	23.63	0.231	40.61	-16.97
	QPSK	841.50	H	225	231	1.62	1 / 0	19.39	18.86	0.077	38.45	-19.59	21.01	0.126	40.61	-19.59
	16-QAM	831.50	H	225	231	1.46	1 / 37	21.02	20.33	0.108	38.45	-18.12	22.48	0.177	40.61	-18.13
	16-QAM	836.50	H	222	229	1.54	1 / 0	21.31	20.70	0.118	38.45	-17.75	22.85	0.193	40.61	-17.75
	16-QAM	841.50	H	225	231	1.62	1 / 0	18.66	18.13	0.065	38.45	-20.32	20.28	0.107	40.61	-20.32
10 MHz	QPSK	829.00	H	225	231	1.42	1 / 49	21.78	21.05	0.127	38.45	-17.40	23.20	0.209	40.61	-17.41
	QPSK	836.50	H	222	229	1.54	1 / 49	21.96	21.36	0.137	38.45	-17.10	23.51	0.224	40.61	-17.10
	QPSK	844.00	H	225	231	1.66	1 / 25	19.41	18.92	0.078	38.45	-19.53	21.07	0.128	40.61	-19.53
	16-QAM	829.00	H	225	231	1.42	1 / 49	21.07	20.34	0.108	38.45	-18.11	22.49	0.177	40.61	-18.12
	16-QAM	836.50	H	222	229	1.54	1 / 49	21.24	20.64	0.116	38.45	-17.81	22.79	0.190	40.61	-17.82
	16-QAM	844.00	H	225	231	1.66	1 / 25	18.76	18.28	0.067	38.45	-20.17	20.43	0.110	40.61	-20.18
5 MHz	QPSK	826.50	H	225	231	1.38	1 / 0	21.69	20.92	0.124	38.45	-17.53	23.07	0.203	40.61	-17.54
	QPSK	836.50	H	222	229	1.54	1 / 12	21.83	21.22	0.133	38.45	-17.23	23.37	0.217	40.61	-17.23
	QPSK	846.50	H	225	231	1.70	1 / 0	19.32	18.87	0.077	38.45	-19.58	21.02	0.127	40.61	-19.58
	16-QAM	826.50	H	225	231	1.38	1 / 0	20.77	20.00	0.100	38.45	-18.45	22.15	0.164	40.61	-18.46
	16-QAM	836.50	H	222	229	1.54	1 / 12	21.22	20.61	0.115	38.45	-17.84	22.76	0.189	40.61	-17.84
	16-QAM	846.50	H	225	231	1.70	1 / 0	18.50	18.06	0.064	38.45	-20.39	20.21	0.105	40.61	-20.40
3 MHz	QPSK	825.50	H	225	231	1.36	1 / 7	21.60	20.82	0.121	38.45	-17.64	22.97	0.198	40.61	-17.64
	QPSK	836.50	H	222	229	1.54	1 / 7	21.88	21.28	0.134	38.45	-17.17	23.43	0.220	40.61	-17.18
	QPSK	847.50	H	225	231	1.72	1 / 7	19.38	18.95	0.079	38.45	-19.50	21.10	0.129	40.61	-19.50
	16-QAM	825.50	H	225	231	1.36	1 / 7	20.70	19.92	0.098	38.45	-18.54	22.07	0.161	40.61	-18.54
	16-QAM	836.50	H	222	229	1.54	1 / 7	21.13	20.52	0.113	38.45	-17.93	22.67	0.185	40.61	-17.93
	16-QAM	847.50	H	225	231	1.72	1 / 7	18.30	17.87	0.061	38.45	-20.58	20.02	0.100	40.61	-20.59
1.4 MHz	QPSK	824.70	H	225	231	1.35	1 / 3	21.56	20.76	0.119	38.45	-17.70	22.91	0.195	40.61	-17.70
	QPSK	836.50	H	222	229	1.54	1 / 3	21.93	21.33	0.136	38.45	-17.12	23.48	0.223	40.61	-17.13
	QPSK	848.30	H	225	231	1.73	1 / 5	19.16	18.74	0.075	38.45	-19.71	20.89	0.123	40.61	-19.71
	16-QAM	824.70	H	225	231	1.35	1 / 3	20.74	19.94	0.099	38.45	-18.51	22.09	0.162	40.61	-18.51
	16-QAM	836.50	H	222	229	1.54	1 / 3	20.99	20.38	0.109	38.45	-18.07	22.53	0.179	40.61	-18.07
	16-QAM	848.30	H	225	231	1.73	1 / 5	18.43	18.02	0.063	38.45	-20.44	20.17	0.104	40.61	-20.44
15MHz	QPSK (Opposite Pol.)	836.50	V	123	282	1.35	1/0	21.10	20.30	0.107	38.45	-18.15	22.45	0.176	40.61	-18.15
	QPSK (WCP)	836.50	H	222	243	1.54	1/0	20.04	19.43	0.088	38.45	-19.02	21.58	0.144	40.61	-19.02

Table 7-17. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	11/2 BPSK	834.00	H	221	264	1.50	1 / 53	21.48	20.83	0.121	38.45	-17.62	22.98	0.199	40.61	-17.62
	11/2 BPSK	836.50	H	218	264	1.54	1 / 53	21.35	20.74	0.119	38.45	-17.71	22.89	0.195	40.61	-17.71
	11/2 BPSK	839.00	H	224	262	1.58	1 / 53	21.25	20.68	0.117	38.45	-17.77	22.83	0.192	40.61	-17.77
	QPSK	834.00	H	221	264	1.50	1 / 53	21.34	20.69	0.117	38.45	-17.76	22.84	0.192	40.61	-17.76
	QPSK	836.50	H	218	264	1.54	1 / 53	21.19	20.58	0.114	38.45	-17.87	22.73	0.188	40.61	-17.87
	QPSK	839.00	H	224	262	1.58	1 / 53	21.13	20.56	0.114	38.45	-17.89	22.71	0.187	40.61	-17.89
	16-QAM	834.00	H	221	264	1.50	1 / 53	20.33	19.68	0.093	38.45	-18.77	21.83	0.152	40.61	-18.77
	16-QAM	836.50	H	218	264	1.54	1 / 53	20.27	19.66	0.093	38.45	-18.79	21.81	0.152	40.61	-18.79
	16-QAM	839.00	H	224	262	1.58	1 / 53	20.10	19.53	0.090	38.45	-18.92	21.68	0.147	40.61	-18.92
15 MHz	11/2 BPSK	831.50	H	221	264	1.46	1 / 39	21.61	20.92	0.124	38.45	-17.53	23.07	0.203	40.61	-17.54
	11/2 BPSK	836.50	H	218	264	1.54	1 / 77	21.41	20.81	0.120	38.45	-17.64	22.96	0.198	40.61	-17.65
	11/2 BPSK	841.50	H	224	262	1.62	1 / 77	21.12	20.60	0.115	38.45	-17.86	22.75	0.188	40.61	-17.86
	QPSK	831.50	H	221	264	1.46	1 / 39	21.15	20.46	0.111	38.45	-17.99	22.61	0.182	40.61	-18.00
	QPSK	836.50	H	218	264	1.54	1 / 77	21.39	20.78	0.120	38.45	-17.67	22.93	0.196	40.61	-17.67
	QPSK	841.50	H	224	262	1.62	1 / 77	21.15	20.62	0.115	38.45	-17.83	22.77	0.189	40.61	-17.83
	16-QAM	831.50	H	221	264	1.46	1 / 39	20.12	19.43	0.088	38.45	-19.02	21.58	0.144	40.61	-19.03
	16-QAM	836.50	H	218	264	1.54	1 / 77	20.57	19.96	0.099	38.45	-18.49	22.11	0.163	40.61	-18.50
	16-QAM	841.50	H	224	262	1.62	1 / 77	20.07	19.54	0.090	38.45	-18.91	21.69	0.148	40.61	-18.92
10 MHz	11/2 BPSK	829.00	H	221	264	1.42	1 / 26	21.52	20.79	0.120	38.45	-17.66	22.94	0.197	40.61	-17.66
	11/2 BPSK	836.50	H	218	264	1.54	1 / 26	21.20	20.59	0.115	38.45	-17.86	22.74	0.188	40.61	-17.86
	11/2 BPSK	844.00	H	224	262	1.66	1 / 1	21.08	20.59	0.115	38.45	-17.86	22.74	0.188	40.61	-17.87
	QPSK	829.00	H	221	264	1.42	1 / 26	21.19	20.46	0.111	38.45	-17.99	22.61	0.183	40.61	-17.99
	QPSK	836.50	H	218	264	1.54	1 / 26	21.19	20.58	0.114	38.45	-17.87	22.73	0.187	40.61	-17.88
	QPSK	844.00	H	224	262	1.66	1 / 1	20.96	20.48	0.112	38.45	-17.98	22.63	0.183	40.61	-17.98
	16-QAM	829.00	H	221	264	1.42	1 / 26	20.54	19.81	0.096	38.45	-18.64	21.96	0.157	40.61	-18.65
	16-QAM	836.50	H	218	264	1.54	1 / 26	20.31	19.70	0.093	38.45	-18.75	21.85	0.153	40.61	-18.76
	16-QAM	844.00	H	224	262	1.66	1 / 1	19.93	19.45	0.088	38.45	-19.01	21.60	0.144	40.61	-19.01
5 MHz	11/2 BPSK	829.00	H	221	264	1.38	1 / 12	21.44	20.66	0.117	38.45	-17.79	22.81	0.191	40.61	-17.79
	11/2 BPSK	836.50	H	218	264	1.54	1 / 1	21.21	20.60	0.115	38.45	-17.85	22.75	0.188	40.61	-17.86
	11/2 BPSK	844.00	H	224	262	1.70	1 / 12	21.24	20.80	0.120	38.45	-17.66	22.95	0.197	40.61	-17.66
	QPSK	829.00	H	221	264	1.38	1 / 12	21.14	20.37	0.109	38.45	-18.08	22.52	0.178	40.61	-18.09
	QPSK	836.50	H	218	264	1.54	1 / 1	21.15	20.54	0.113	38.45	-17.91	22.69	0.186	40.61	-17.92
	QPSK	844.00	H	224	262	1.70	1 / 12	21.09	20.64	0.116	38.45	-17.81	22.79	0.190	40.61	-17.82
	16-QAM	829.00	H	221	264	1.38	1 / 12	20.44	19.67	0.093	38.45	-18.78	21.82	0.152	40.61	-18.78
	16-QAM	836.50	H	218	264	1.54	1 / 1	19.99	19.38	0.087	38.45	-19.07	21.53	0.142	40.61	-19.07
	16-QAM	844.00	H	224	262	1.70	1 / 12	19.97	19.52	0.090	38.45	-18.93	21.67	0.147	40.61	-18.94
20 MHz	QPSK (CP-OFDM)	834.00	H	221	266	1.50	1/53	19.72	19.07	0.081	38.45	-19.38	21.22	0.133	40.61	-19.38
	QPSK (Opposite Pol.)	834.00	V	130	304	1.30	1/53	20.77	19.92	0.098	38.45	-18.53	22.07	0.161	40.61	-18.54
	QPSK (WCP)	834.00	H	214	259	1.50	1/104	21.10	20.45	0.111	38.45	-18.00	22.60	0.182	40.61	-18.00

Table 7-18. ERP Data (NR Band n26/5 – 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.20	GSM850	H	221	263	29.00	1.34	28.19	0.659	38.45	-10.26	30.34	1.082	40.61	-10.27
836.60	GSM850	H	228	259	28.18	1.54	27.57	0.572	38.45	-10.88	29.72	0.939	40.61	-10.88
848.80	GSM850	H	214	254	27.75	1.74	27.34	0.542	38.45	-11.11	29.49	0.889	40.61	-11.12
824.20	GSM850	V	133	337	28.70	1.34	27.89	0.615	38.45	-10.56	30.04	1.010	40.61	-10.57
824.20	EDGE850	H	221	263	22.80	1.34	21.99	0.158	38.45	-16.46	24.14	0.260	40.61	-16.47
824.20	GSM850 (WCP)	H	217	260	28.23	1.34	27.42	0.552	38.45	-11.03	29.57	0.906	40.61	-11.04

Table 7-19. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
826.40	WCDMA850	V	124	245	20.62	1.14	19.61	0.091	38.45	-18.84	21.76	0.150	40.61	-18.85
836.60	WCDMA850	V	127	248	20.49	1.36	19.70	0.093	38.45	-18.76	21.85	0.153	40.61	-18.76
846.60	WCDMA850	V	121	247	18.83	1.56	18.24	0.067	38.45	-20.21	20.39	0.109	40.61	-20.21
836.60	WCDMA850	H	225	241	20.10	1.54	19.49	0.089	38.45	-18.96	21.64	0.146	40.61	-18.96
836.60	WCDMA850 (WCP)	V	124	262	15.25	1.36	14.46	0.028	38.45	-24.00	16.61	0.046	40.61	-24.00

Table 7-20. 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.

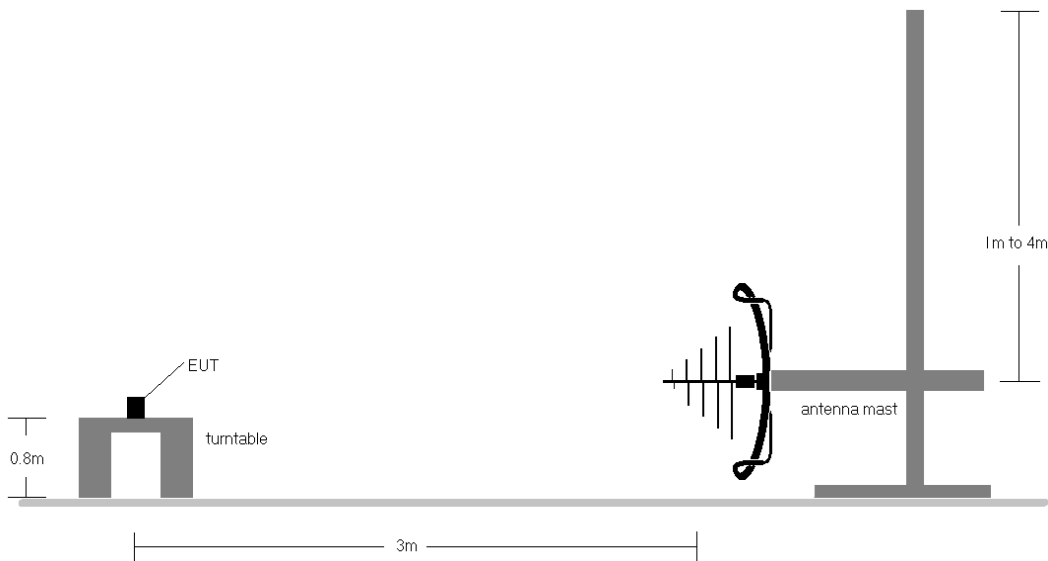


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

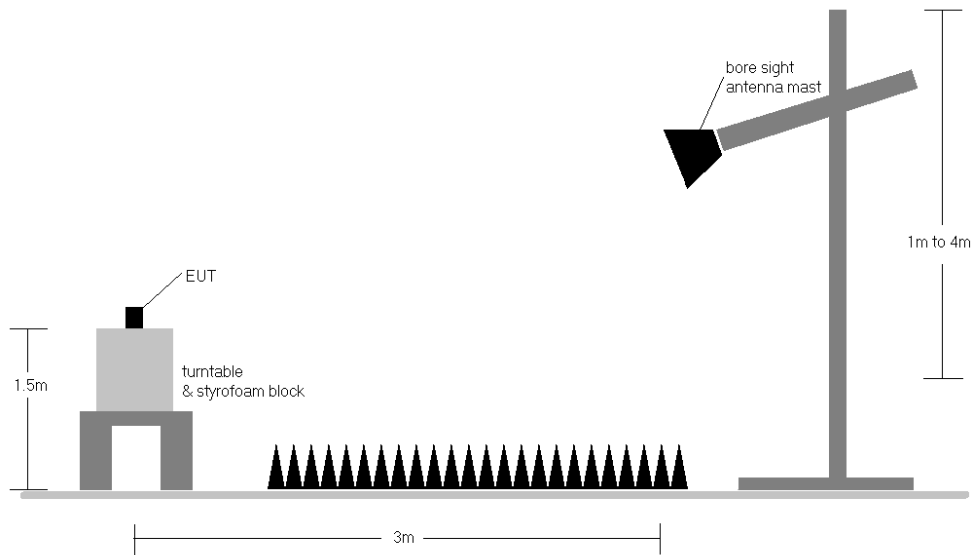


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

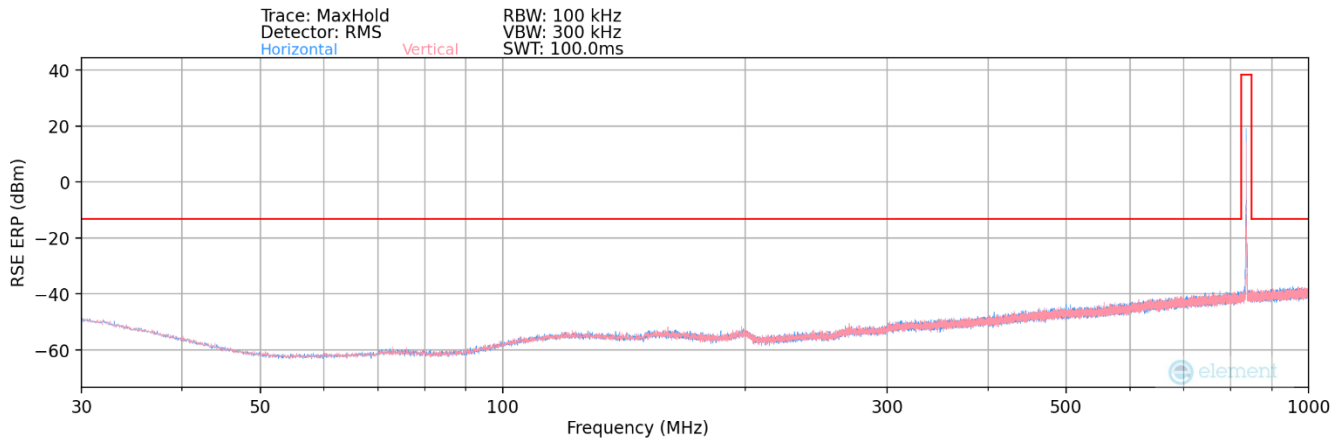
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Test Notes

- 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

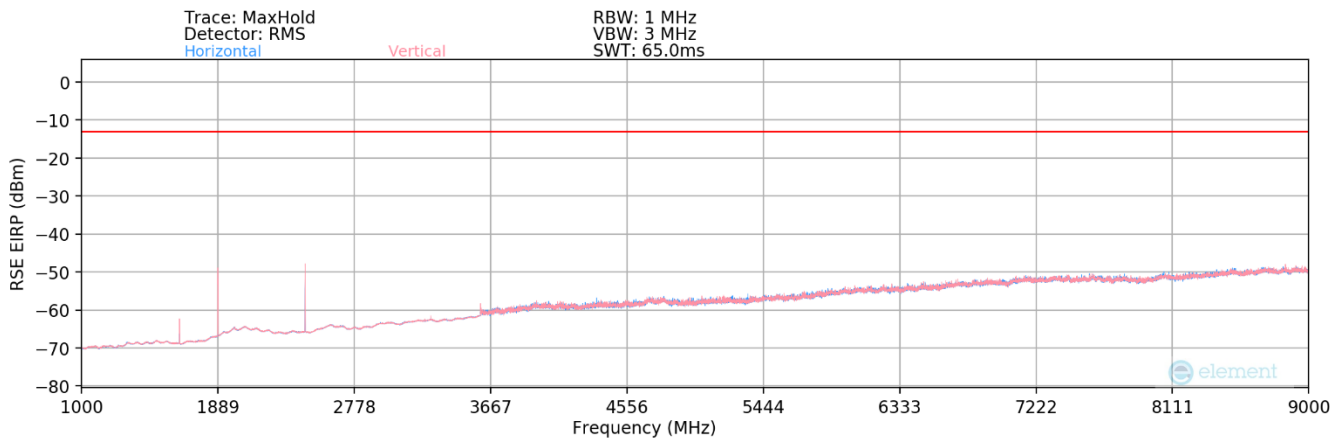


Plot 7-217. Radiated Spurious Plot (LTE Band 26/5 – Ant1)

Sample #:	0257M
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]
245.00	V	-	-	-85.74	18.95	40.21	-57.20	-13.00	-44.20

Table 7-21. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant1)



Plot 7-218. 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	163	325	-73.46	-7.06	26.48	-68.78	-13.00	-55.78
2494.50	V	185	15	-74.82	-4.26	27.92	-67.34	-13.00	-54.34
3326.00	V	139	342	-76.16	-1.22	29.62	-65.63	-13.00	-52.63
4157.50	V	-	-	-78.02	1.45	30.43	-64.82	-13.00	-51.82
4989.00	V	-	-	-78.49	2.62	31.13	-64.12	-13.00	-51.12
5820.50	V	-	-	-78.98	5.17	33.19	-62.07	-13.00	-49.07

Table 7-22. 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	132	333	-73.66	-6.94	26.40	-68.86	-13.00	-55.86
2509.50	V	154	12	-74.86	-3.99	28.15	-67.10	-13.00	-54.10
3346.00	V	381	355	-76.63	-1.04	29.33	-65.93	-13.00	-52.93
4182.50	V	-	-	-78.09	1.55	30.46	-64.80	-13.00	-51.80
5019.00	V	-	-	-78.38	2.90	31.52	-63.73	-13.00	-50.73
5855.50	V	-	-	-78.95	5.43	33.48	-61.78	-13.00	-48.78

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

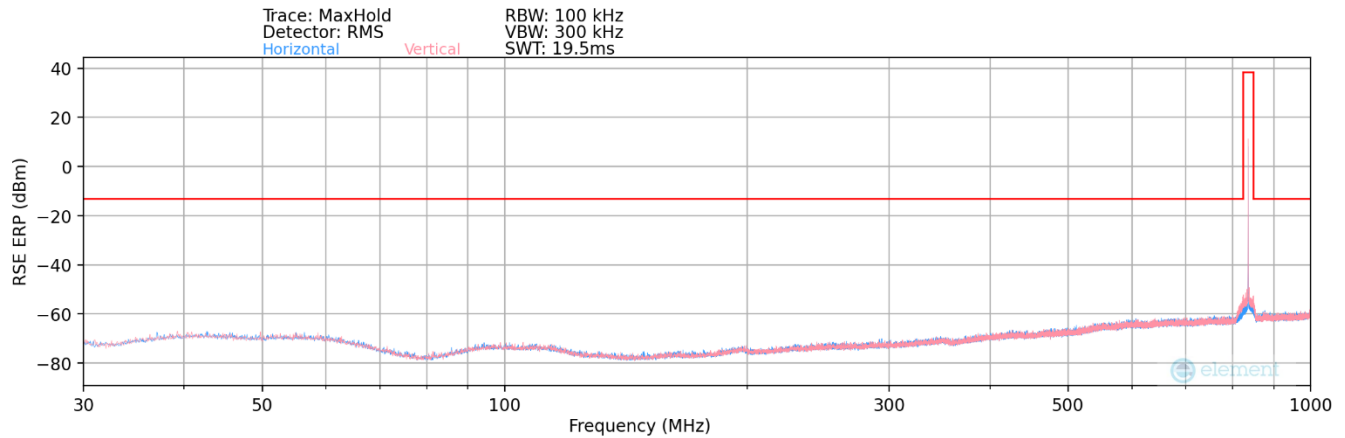
Bandwidth (MHz):	15
Frequency (MHz):	841.5
RB / Offset:	1 / 37

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]
	V	376	268	-76.11	-6.82	24.07	-71.19	-13.00	-58.19
	V	145	8	-74.57	-3.74	28.69	-66.57	-13.00	-53.57
	V	158	342	-76.19	-1.03	29.78	-65.48	-13.00	-52.48
	V	-	-	-77.86	1.54	30.68	-64.58	-13.00	-51.58
5049.00	V	-	-	-78.73	3.12	31.39	-63.87	-13.00	-50.87
5890.50	V	-	-	-78.77	5.67	33.90	-61.35	-13.00	-48.35

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

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NR Band n26/5 – Ant1

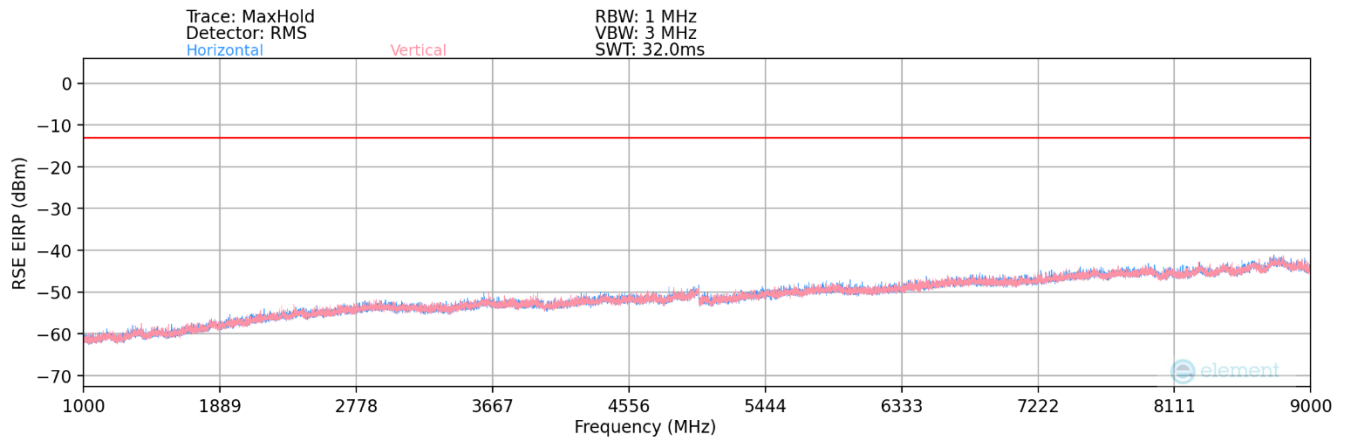


Plot 7-219. Radiated Spurious Plot (NR Band n26/5 – Ant1)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
670.00	V	-	-	-76.93	-3.52	26.55	-70.86	-13.00	-57.86

Table 7-25. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant1)



Plot 7-220. Radiated Spurious Plot (NR Band n26/5 – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-78.99	1.37	29.38	-65.87	-13.00	-52.87
2502.00	V	-	-	-78.09	4.82	33.73	-61.52	-13.00	-48.52
3336.00	V	-	-	-79.84	7.42	34.58	-60.67	-13.00	-47.67

Table 7-26. Radiated Spurious Data (NR Band n26/5 – 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	-	-	-77.72	0.47	29.75	-65.51	-13.00	-52.51
2509.50	V	189	174	-72.71	4.12	38.41	-56.84	-13.00	-43.84
3346.00	V	-	-	-80.33	6.86	33.53	-61.73	-13.00	-48.73
4182.50	V	-	-	-80.78	8.39	34.61	-60.65	-13.00	-47.65
5019.00	V	-	-	-81.37	10.57	36.20	-59.05	-13.00	-46.05

Table 7-27. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant1)

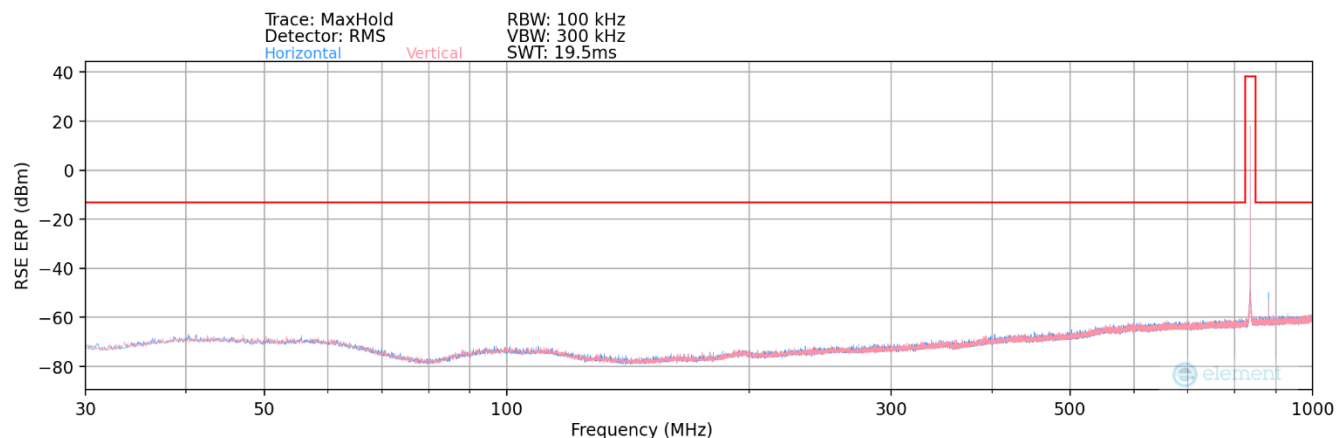
Bandwidth (MHz):	20
Frequency (MHz):	839
RB / Offset:	1 / 53

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	-	-	-78.13	1.67	30.54	-64.72	-13.00	-51.72
2517.00	V	-	-	-78.57	4.92	33.35	-61.90	-13.00	-48.90
3356.00	V	-	-	-79.47	7.21	34.74	-60.52	-13.00	-47.52

Table 7-28. Radiated Spurious Data (NR Band n26/5 – High Channel – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cell – Ant1

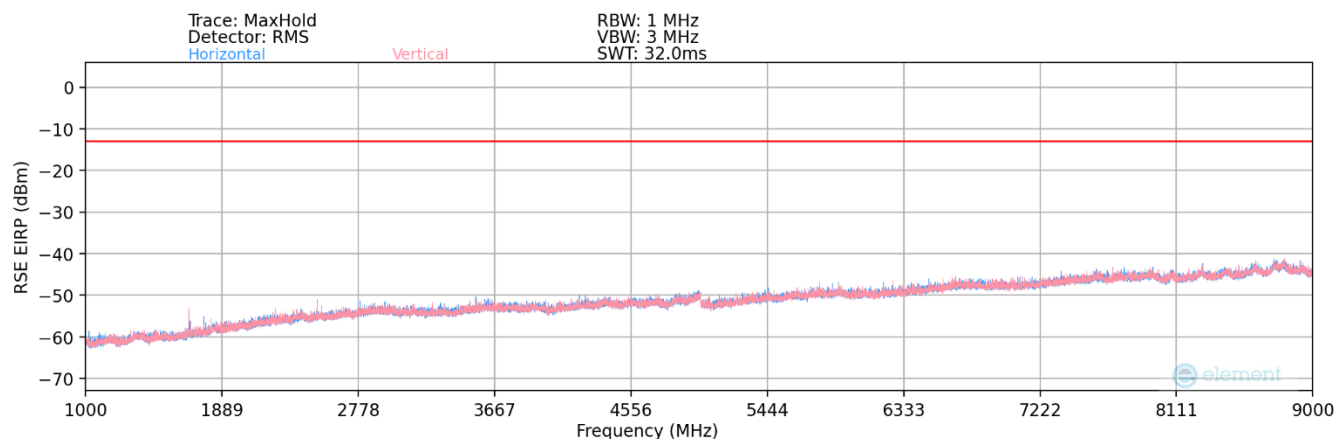


Plot 7-221. Radiated Spurious Plot (GPRS Cell – Ant1)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
450.00	H	-	-	-66.07	-7.87	33.06	-64.35	-13.00	-51.35

Table 7-29. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant1)



Plot 7-222. Radiated Spurious Plot (GPRS Cell – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 161 of 178

Mode:	GPRS 1 Tx Slot
Channel:	128
Frequency (MHz):	824.2

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]
1648.40	H	102	149	-65.93	-0.18	40.89	-54.37	-13.00	-41.37
2472.60	H	214	38	-64.11	3.90	46.79	-48.46	-13.00	-35.46
3296.80	H	-	-	-71.39	6.72	42.33	-52.93	-13.00	-39.93
4121.00	H	-	-	-72.03	8.37	43.34	-51.92	-13.00	-38.92
4945.20	H	-	-	-71.57	9.69	45.12	-50.14	-13.00	-37.14

Table 7-30. Radiated Spurious Data (GPRS Cell – Low Channel – Ant1)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
1673.20	H	134	148	-62.75	0.47	44.72	-50.53	-13.00	-37.53
2509.80	H	127	240	-57.58	4.12	53.54	-41.71	-13.00	-28.71
3346.40	H	-	-	-71.14	6.85	42.71	-52.55	-13.00	-39.55
4183.00	H	-	-	-72.01	8.39	43.38	-51.88	-13.00	-38.88
5019.60	H	-	-	-72.02	10.57	45.55	-49.70	-13.00	-36.70

Table 7-31. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant1)

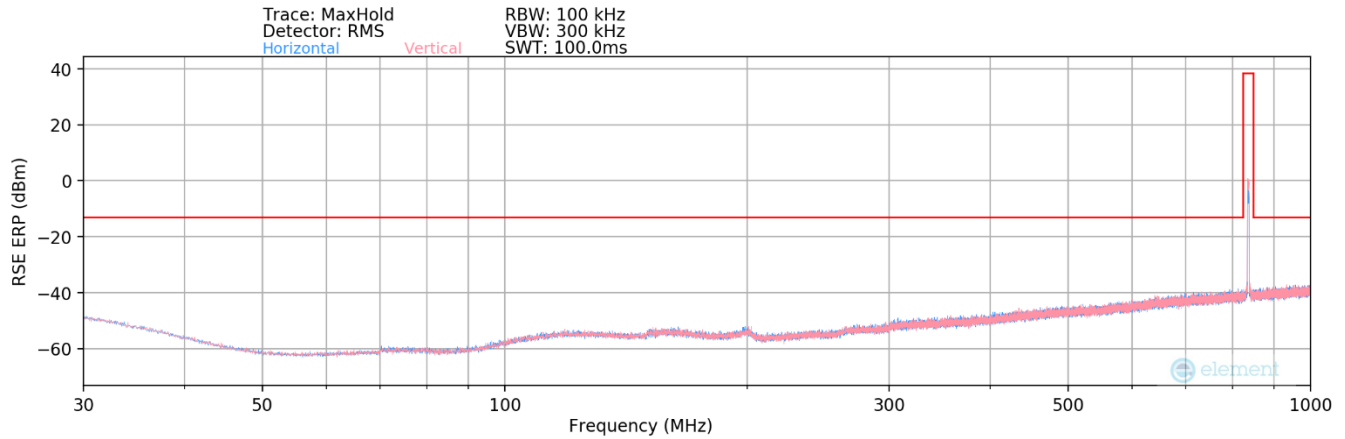
Mode:	GPRS 1 Tx Slot
Channel:	251
Frequency (MHz):	848.8

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]
1697.60	H	186	197	-67.16	0.58	40.42	-54.83	-13.00	-41.83
2546.40	H	104	231	-61.26	4.49	50.23	-45.03	-13.00	-32.03
3395.20	H	-	-	-71.20	6.41	42.21	-53.05	-13.00	-40.05
4244.00	H	-	-	-71.34	8.71	44.37	-50.89	-13.00	-37.89
5092.80	H	-	-	-72.30	10.19	44.89	-50.37	-13.00	-37.37

Table 7-32. Radiated Spurious Data (GPRS Cell – High Channel – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell – Ant1

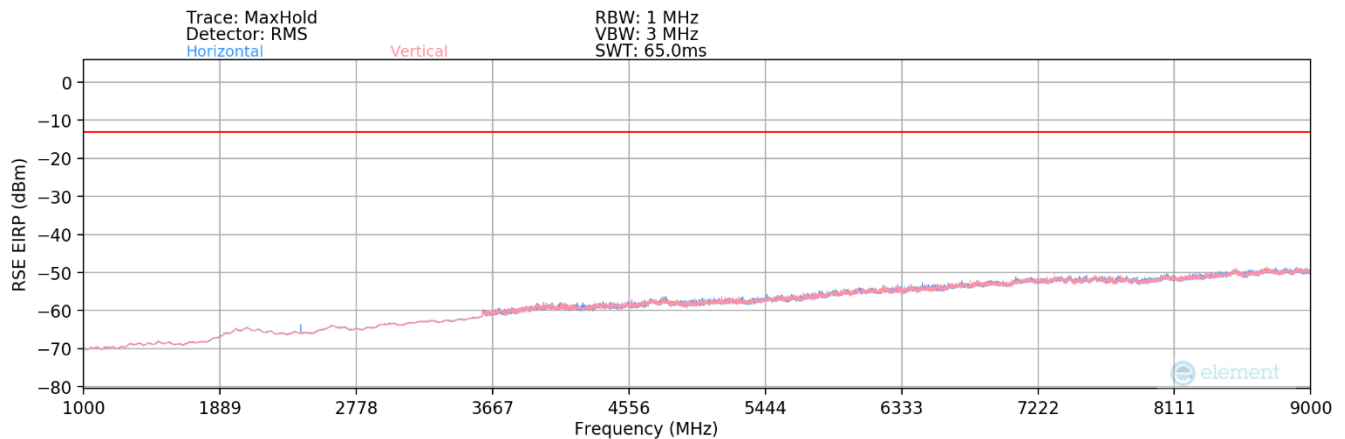


Plot 7-223. Radiated Spurious Plot (WCDMA Cell – Ant1)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
200.00	H	-	-	-85.42	20.10	41.68	-55.72	-13.00	-42.72

Table 7-33. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant1)



Plot 7-224. Radiated Spurious Plot (WCDMA Cell – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	WCDMA RMC
Channel:	4132
Frequency (MHz):	826.4

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]
1652.80	H	-	-	-76.37	-7.17	23.46	-71.80	-13.00	-58.80
2479.20	H	-	-	-76.47	-4.40	26.13	-69.13	-13.00	-56.13
3305.60	H	-	-	-77.06	-1.27	28.67	-66.59	-13.00	-53.59

Table 7-34. Radiated Spurious Data (WCDMA Cell – Low Channel – Ant1)

Channel:	4183
Frequency (MHz):	836.6

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]
1673.20	H	-	-	-76.50	-6.94	23.56	-71.70	-13.00	-58.70
2509.80	H	-	-	-76.60	-3.98	26.42	-68.84	-13.00	-55.84
3346.40	H	-	-	-77.02	-1.04	28.94	-66.31	-13.00	-53.31

Table 7-35. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant1)

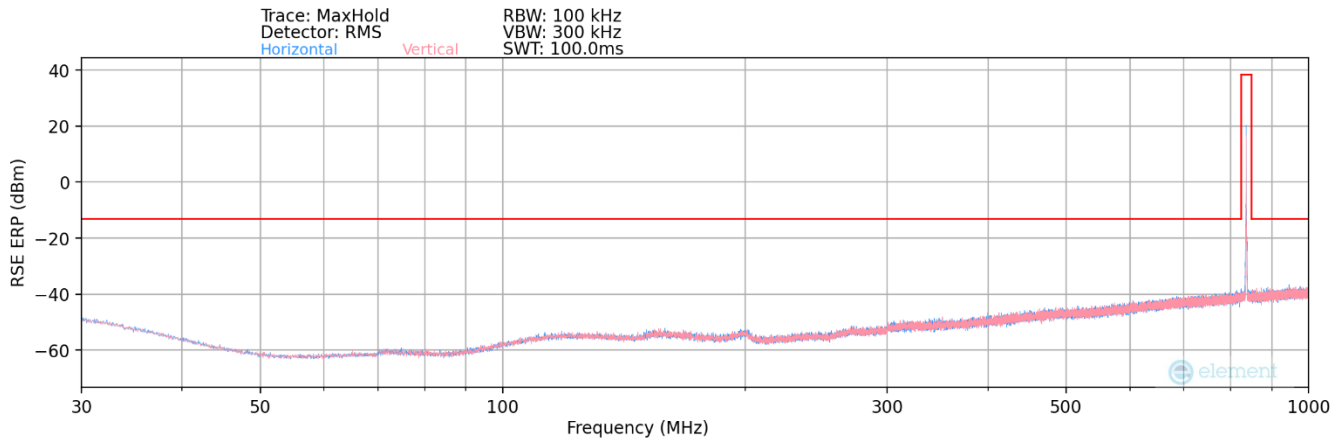
Mode:	WCDMA RMC
Channel:	4233
Frequency (MHz):	846.6

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]
1693.20	H	-	-	-76.56	-6.71	23.73	-71.53	-13.00	-58.53
2539.80	H	-	-	-76.72	-3.53	26.75	-68.50	-13.00	-55.50
3386.40	H	-	-	-76.66	-1.14	29.20	-66.06	-13.00	-53.06

Table 7-36. Radiated Spurious Data (WCDMA Cell – High Channel – Ant1)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant2

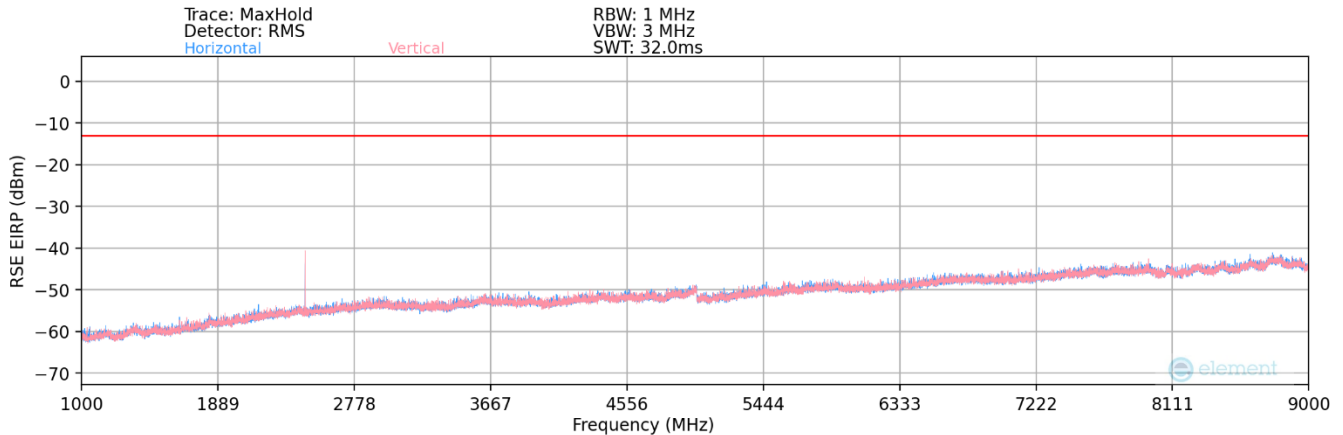


Plot 7-225. Radiated Spurious Plot (LTE Band 26/5 – Ant2)

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]
190.00	V	342	322	-72.33	-13.93	20.74	-76.67	-13.00	-63.67

Table 7-37. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant2)



Plot 7-226. Radiated Spurious Plot (LTE Band 26/5 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270084-06-R1.A3L	Test Dates: 9/11/2025 - 12/12/2025	EUT Type: Portable Handset	Page 165 of 178

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	169	28	-71.52	0.21	35.69	-59.57	-13.00	-46.57
2494.50	V	303	332	-59.31	4.14	51.83	-43.42	-13.00	-30.42
3326.00	V	114	351	-76.38	7.03	37.65	-57.61	-13.00	-44.61
4157.50	V	-	-	-79.94	8.24	35.30	-59.96	-13.00	-46.96
4989.00	V	-	-	-80.36	10.14	36.78	-58.48	-13.00	-45.48
5820.50	V	-	-	-81.01	11.89	37.88	-57.38	-13.00	-44.38

Table 7-38. Radiated Spurious Data (LTE Band 26/5 – Low Channel – Ant2)

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	172	20	-73.10	0.47	34.37	-60.89	-13.00	-47.89
2509.50	V	176	25	-60.14	4.12	50.98	-44.27	-13.00	-31.27
3346.00	V	225	48	-78.79	6.86	35.07	-60.19	-13.00	-47.19
4182.50	V	-	-	-80.02	8.39	35.37	-59.89	-13.00	-46.89
5019.00	V	-	-	-80.99	10.57	36.58	-58.67	-13.00	-45.67
5855.50	V	-	-	-80.90	11.90	38.00	-57.26	-13.00	-44.26

Table 7-39. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant2)

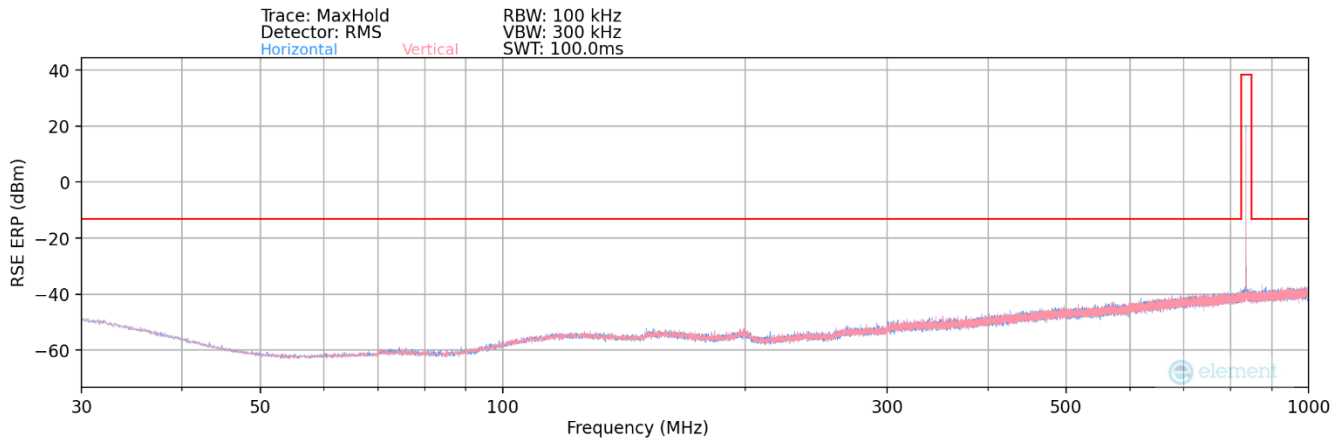
Bandwidth (MHz):	15
Frequency (MHz):	841.5
RB / Offset:	1 / 37

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	153	41	-73.24	0.62	34.38	-60.88	-13.00	-47.88
2524.50	V	326	350	-63.76	4.58	47.82	-47.44	-13.00	-34.44
3366.00	V	103	5	-77.84	6.64	35.80	-59.46	-13.00	-46.46
4207.50	V	-	-	-79.67	8.37	35.70	-59.56	-13.00	-46.56
5049.00	V	-	-	-80.65	10.81	37.16	-58.10	-13.00	-45.10
5890.50	V	-	-	-81.09	12.44	38.35	-56.91	-13.00	-43.91

Table 7-40. Radiated Spurious Data (LTE Band 26/5 – High Channel – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26/5 – Ant2

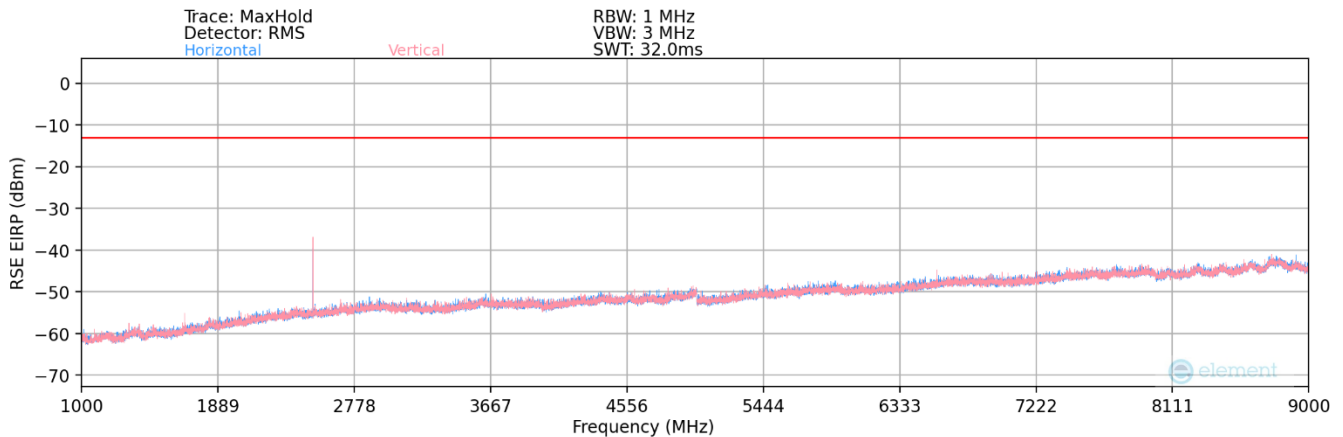


Plot 7-227. Radiated Spurious Plot (NR Band n26/5 – Ant2)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
190.00	H	-	-	-72.31	-13.93	20.76	-76.65	-13.00	-63.65

Table 7-41. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant2)



Plot 7-228. Radiated Spurious Plot (NR Band n26/5 – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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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	H	102	366	-73.92	1.37	34.45	-60.80	-13.00	-47.80
2502.00	H	122	227	-62.32	4.82	49.50	-45.75	-13.00	-32.75
3336.00	H	-	-	-79.82	7.42	34.60	-60.65	-13.00	-47.65
4170.00	H	-	-	-80.12	8.16	35.04	-60.21	-13.00	-47.21
5004.00	H	-	-	-80.59	10.58	36.99	-58.27	-13.00	-45.27

Table 7-42. Radiated Spurious Data (NR Band n26/5 – Low Channel – Ant2)

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	H	146	162	-71.48	1.51	37.03	-58.23	-13.00	-45.23
2509.50	H	121	230	-63.07	4.75	48.68	-46.58	-13.00	-33.58
3346.00	H	-	-	-79.71	7.33	34.62	-60.63	-13.00	-47.63
4182.50	H	-	-	-80.18	8.32	35.14	-60.11	-13.00	-47.11
5019.00	H	-	-	-80.72	10.62	36.90	-58.35	-13.00	-45.35

Table 7-43. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant2)

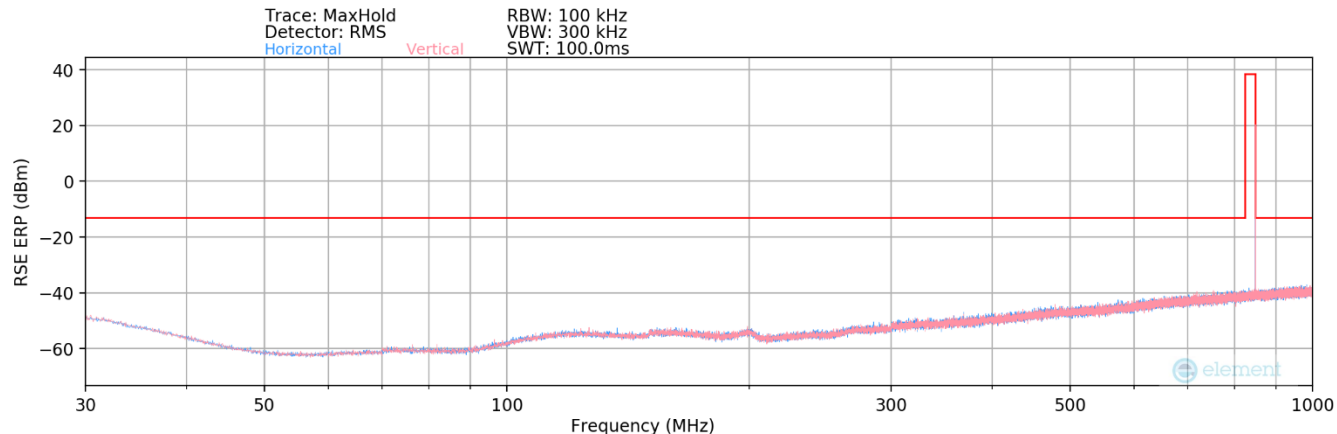
Bandwidth (MHz):	20
Frequency (MHz):	839
RB / Offset:	1 / 53

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	H	107	344	-74.04	1.67	34.63	-60.63	-13.00	-47.63
2517.00	H	123	234	-64.37	4.92	47.55	-47.70	-13.00	-34.70
3356.00	H	-	-	-79.63	7.21	34.58	-60.68	-13.00	-47.68
4195.00	H	-	-	-79.89	8.30	35.41	-59.85	-13.00	-46.85
5034.00	H	-	-	-80.95	10.74	36.79	-58.47	-13.00	-45.47

Table 7-44. Radiated Spurious Data (NR Band n26/5 – High Channel – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cell – Ant2

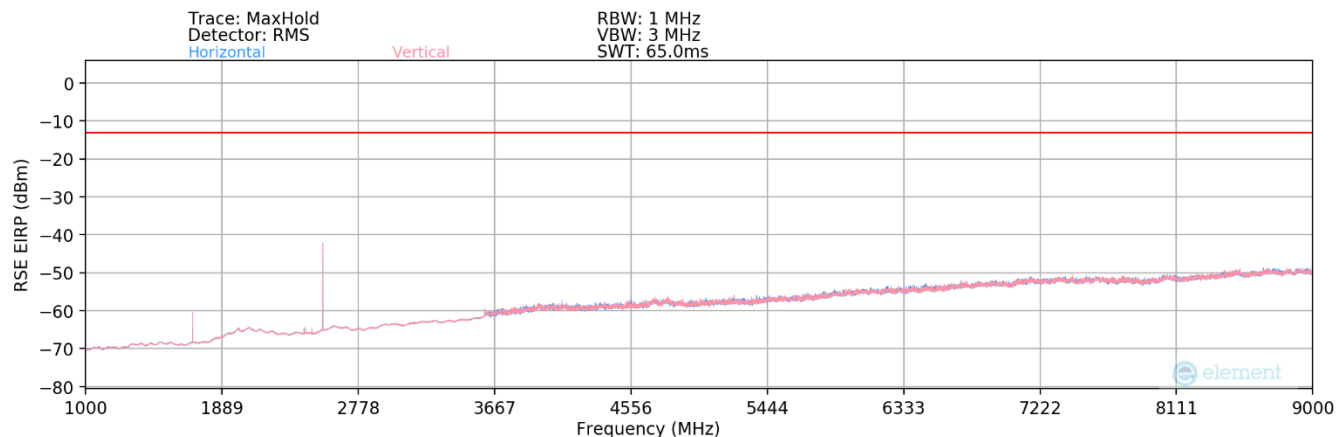


Plot 7-229. Radiated Spurious Plot (GPRS Cell – Ant2)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
360.00	V	-	-	-91.25	22.49	38.24	-59.17	-13.00	-46.17

Table 7-45. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant2)



Plot 7-230. Radiated Spurious Plot (GPRS Cell – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	GPRS 1 Tx Slot
Channel:	128
Frequency (MHz):	824.2

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]
1648.40	V	256	175	-68.28	-7.22	31.50	-63.76	-13.00	-50.76
2472.60	V	142	5	-62.85	-4.43	39.72	-55.54	-13.00	-42.54
3296.80	V	-	-	-72.23	-1.20	33.57	-61.68	-13.00	-48.68
4121.00	V	-	-	-75.89	1.60	32.71	-62.55	-13.00	-49.55
4945.20	V	-	-	-75.81	2.54	33.73	-61.53	-13.00	-48.53

Table 7-46. Radiated Spurious Data (GPRS Cell – Low Channel – Ant2)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
1673.20	V	241	358	-67.06	-6.94	33.00	-62.26	-13.00	-49.26
2509.80	V	148	363	-54.95	-3.98	48.07	-47.19	-13.00	-34.19
3346.40	V	-	-	-71.61	-1.04	34.35	-60.90	-13.00	-47.90
4183.00	V	-	-	-75.84	1.55	32.71	-62.55	-13.00	-49.55
5019.60	V	-	-	-76.08	2.91	33.83	-61.42	-13.00	-48.42

Table 7-47. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant2)

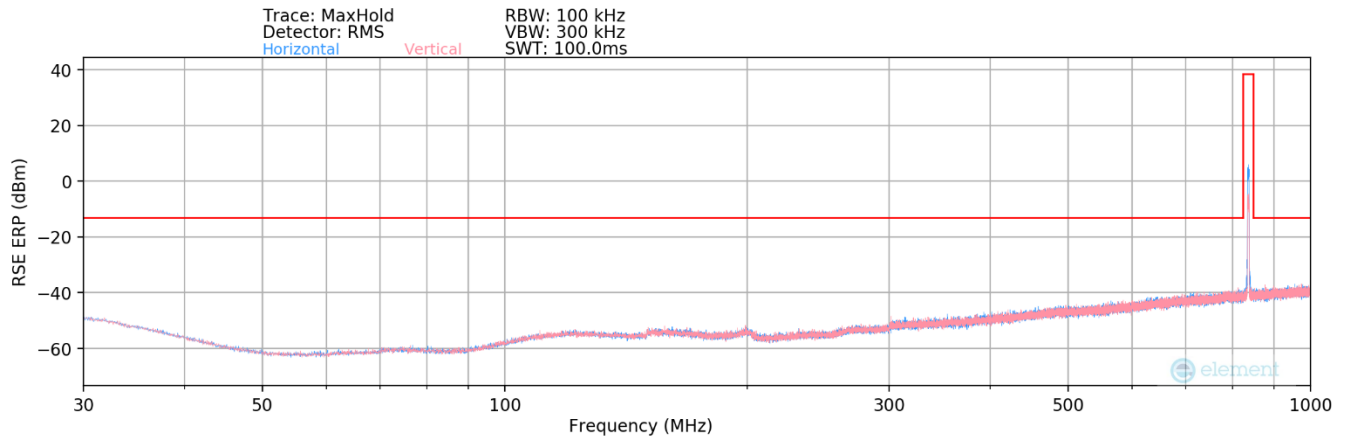
Mode:	GPRS 1 Tx Slot
Channel:	251
Frequency (MHz):	848.8

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]
1697.60	V	142	26	-65.89	-6.66	34.45	-60.81	-13.00	-47.81
2546.40	V	146	322	-49.89	-3.43	53.68	-41.58	-13.00	-28.58
3395.20	V	-	-	-71.57	-1.15	34.28	-60.98	-13.00	-47.98
4244.00	V	-	-	-75.79	1.56	32.77	-62.48	-13.00	-49.48
5092.80	V	-	-	-76.37	3.11	33.74	-61.52	-13.00	-48.52

Table 7-48. Radiated Spurious Data (GPRS Cell – High Channel – Ant2)

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WCDMA Cell – Ant2

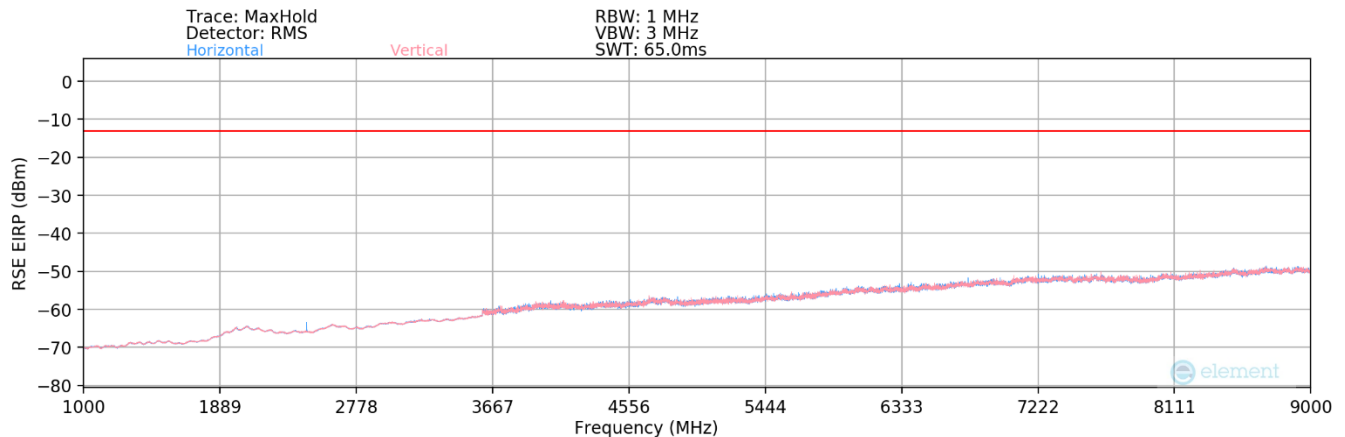


Plot 7-231. Radiated Spurious Plot (WCDMA Cell – Ant2)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
320.00	H	-	-	-85.49	21.60	43.11	-54.30	-13.00	-41.30

Table 7-49. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant2)



Plot 7-232. Radiated Spurious Plot (WCDMA Cell – Ant2)

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	WCDMA RMC
Channel:	4132
Frequency (MHz):	826.4

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]
1652.80	H	-	-	-76.37	-7.17	23.46	-71.80	-13.00	-58.80
2479.20	H	-	-	-76.51	-4.40	26.09	-69.17	-13.00	-56.17
3305.60	H	-	-	-77.23	-1.27	28.50	-66.76	-13.00	-53.76

Table 7-50. Radiated Spurious Data (WCDMA Cell – Low Channel – Ant2)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
1673.20	H	-	-	-77.78	-6.94	22.28	-72.98	-13.00	-59.98
2509.80	H	-	-	-76.75	-3.98	26.27	-68.99	-13.00	-55.99
3346.40	H	-	-	-77.10	-1.04	28.86	-66.39	-13.00	-53.39

Table 7-51. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant2)

Mode:	WCDMA RMC
Channel:	4233
Frequency (MHz):	846.6

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]
1693.20	H	-	-	-76.43	-6.71	23.86	-71.40	-13.00	-58.40
2539.80	H	-	-	-76.74	-3.53	26.73	-68.52	-13.00	-55.52
3386.40	H	-	-	-76.93	-1.14	28.93	-66.33	-13.00	-53.33

Table 7-52. Radiated Spurious Data (WCDMA Cell – High Channel – Ant2)

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7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26:2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Test Procedure Used

ANSI C63.26:2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

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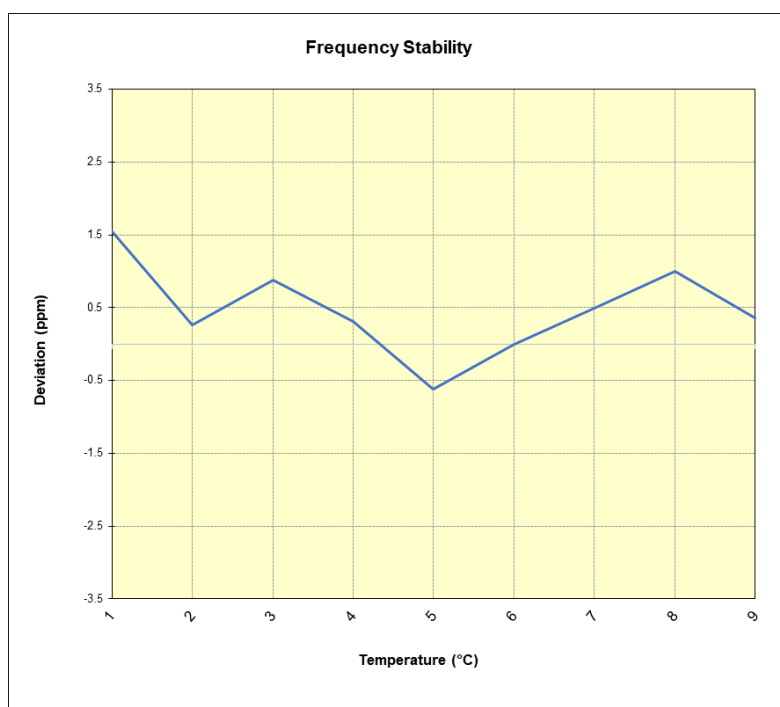
LTE Band 26/5

LTE Band 26/5

Operating Frequency (Hz):	836,500,000
Ref. Voltage (VDC):	4.435
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.435	- 30	831,731,357	1,286	0.0001546
		- 20	831,730,289	218	0.0000262
		- 10	831,730,804	733	0.0000881
		0	831,730,326	255	0.0000307
		+ 10	831,729,554	-517	-0.0000622
		+ 20 (Ref)	831,730,071	0	0.0000000
		+ 30	831,730,480	409	0.0000492
		+ 40	831,730,905	834	0.0001003
Battery Endpoint	3.297	+ 50	831,730,368	297	0.0000357
		+ 20	831,729,432	-639	-0.0000768

Table 7-53. LTE Band 26/5 Frequency Stability Data

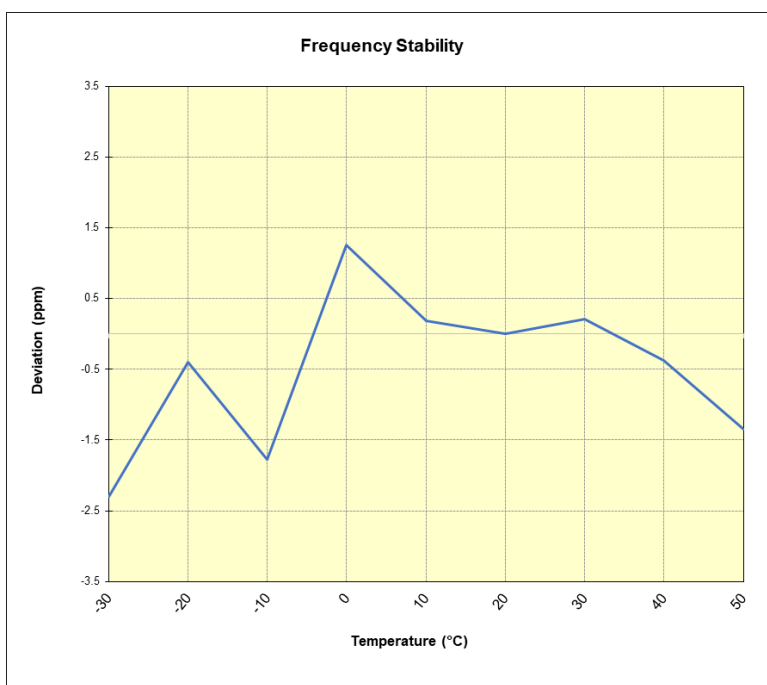


Plot 7-233. LTE Band 26/5 Frequency Stability Chart

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NR Band n26/5					
		Operating Frequency (Hz):		836,500,000	
		Ref. Voltage (VDC):		4.435	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.435	- 30	836,506,401	-1,926	-0.0002302
		- 20	836,507,998	-329	-0.0000393
		- 10	836,506,846	-1,481	-0.0001770
		0	836,509,384	1,057	0.0001264
		+ 10	836,508,487	160	0.0000191
		+ 20 (Ref)	836,508,327	0	0.0000000
		+ 30	836,508,507	180	0.0000215
		+ 40	836,508,018	-309	-0.0000369
		+ 50	836,507,199	-1,128	-0.0001348
Battery Endpoint	3.297	+ 20	836,509,198	871	0.0001041

Table 7-54. NR n26/5 Frequency Stability Data



Plot 7-234. NR n26/5 Frequency Stability Chart

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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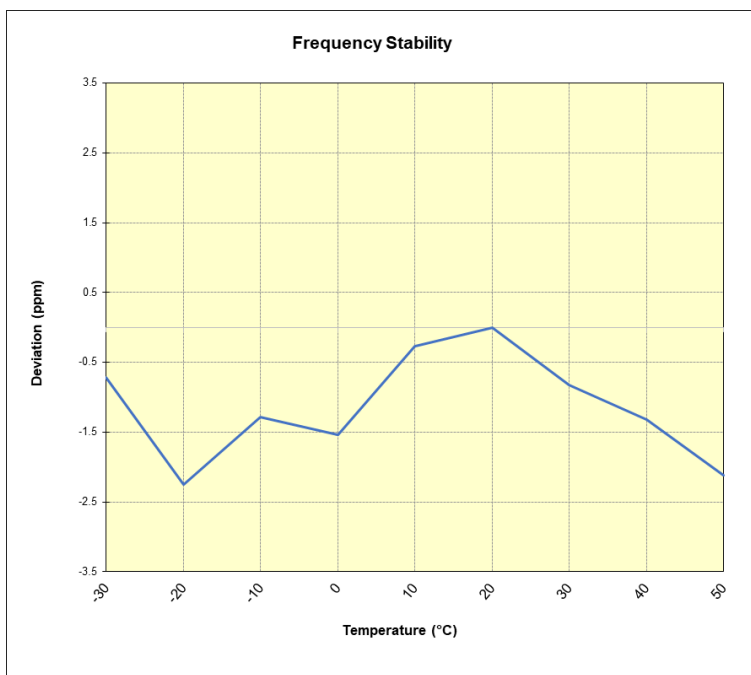
GSM/GPRS Cell

GSM/GPRS Cellular

Operating Frequency (Hz):	836,600,000
Ref. Voltage (VDC):	4.435
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.435	- 30	836,627,367	-599	-0.0000716
		- 20	836,626,078	-1,888	-0.0002257
		- 10	836,626,892	-1,074	-0.0001284
		0	836,626,679	-1,287	-0.0001538
		+ 10	836,627,738	-228	-0.0000273
		+ 20 (Ref)	836,627,966	0	0.0000000
		+ 30	836,627,280	-686	-0.0000820
		+ 40	836,626,864	-1,102	-0.0001317
		+ 50	836,626,193	-1,773	-0.0002119
Battery Endpoint	3.297	+ 20	836,626,082	-1,884	-0.0002252

Table 7-55. GSM/GPRS Cell Frequency Stability Data



Plot 7-235. GSM/GPRS Cell Frequency Stability Chart

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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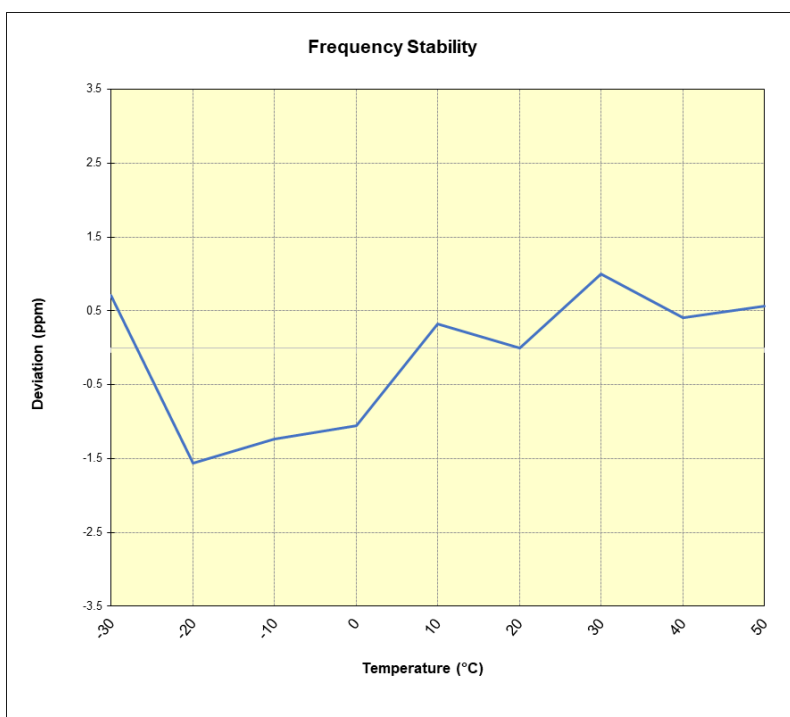
WCDMA Cell

WCDMA Cellular

Operating Frequency (Hz):	836,600,000
Ref. Voltage (VDC):	4.435
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.435	- 30	836,619,659	589	0.0000704
		- 20	836,617,766	-1,304	-0.0001559
		- 10	836,618,036	-1,034	-0.0001236
		0	836,618,184	-886	-0.0001059
		+ 10	836,619,339	269	0.0000322
		+ 20 (Ref)	836,619,070	0	0.0000000
		+ 30	836,619,905	835	0.0000998
		+ 40	836,619,411	341	0.0000408
		+ 50	836,619,538	468	0.0000559
Battery Endpoint	3.297	+ 20	836,618,089	-981	-0.0001173

Table 7-56. WCDMA Cell Frequency Stability Data



Plot 7-236. WCDMA Cell Frequency Stability Chart

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS942B** complies with all the requirements of Part 22 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMS942B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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