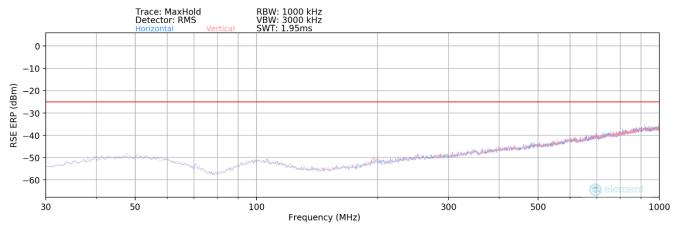
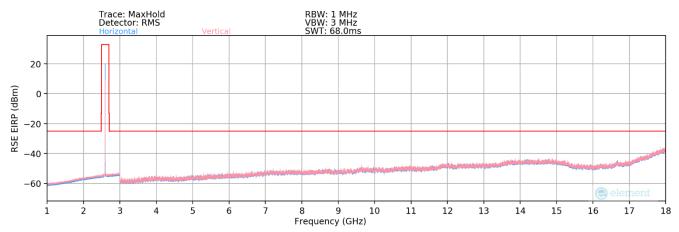


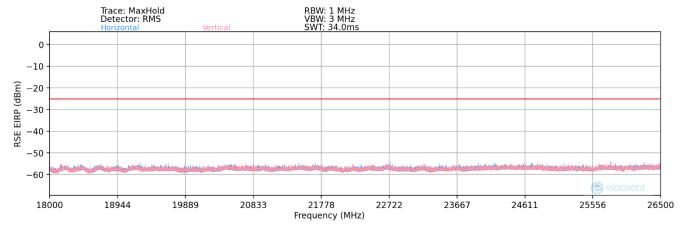
# NR Band n41 - Ant F - Switching



Plot 7-228. Radiated Spurious Plot (NR Band n41 - Ant F)



Plot 7-229. Radiated Spurious Plot (NR Band n41 - Ant F)



Plot 7-230. Radiated Spurious Plot (NR Band n41 - Ant F)

FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 470 of 400
1M2408260066-09. A3 L	09/03/2024 - 11/11/2024	Portable Handset	Page 173 of 186
© 2023 ELEMENT			V11.1 08/28/2023



Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5092.02	Н	-	-	-75.41	1.93	33.52	-61.74	-25.00	-36.74
7638.03	Н	-	-	-76.84	7.24	37.40	-57.86	-25.00	-32.86
10184.04	Н	-	-	-79.93	10.88	37.95	-57.31	-25.00	-32.31

## Table 7-80. Radiated Spurious Data (NR Band n41 - Low Channel - Ant F)

7	
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5185.98	Н	-	-	-75.54	2.23	33.69	-61.57	-25.00	-36.57
7778.97	Н	-	-	-77.75	7.42	36.67	-58.58	-25.00	-33.58
10371.96	Н	-	-	-79.69	11.13	38.44	-56.82	-25.00	-31.82

#### Table 7-81. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	Н	-	-	-75.95	2.23	33.28	-61.98	-25.00	-36.98
7920.00	Н	-	-	-77.49	7.39	36.90	-58.35	-25.00	-33.35
10560.00	Н	-	-	-79.10	11.35	39.25	-56.00	-25.00	-31.00

### Table 7-82. Radiated Spurious Data (NR Band n41 – High Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

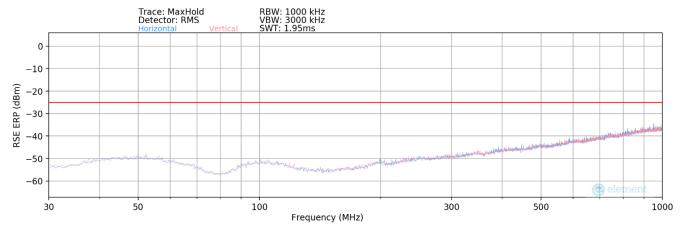
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
244.50	Н	-	-	-96.93	19.61	29.68	-67.73	-25.00	-42.73
551.51	Н	-	-	-96.08	25.51	36.43	-60.98	-25.00	-35.98
964.99	Н	-	-	-95.92	30.89	41.97	-55.44	-25.00	-30.44

#### Table 7-83. Radiated Spurious Data (NR Band n41 - Mid Channel - Ant F)

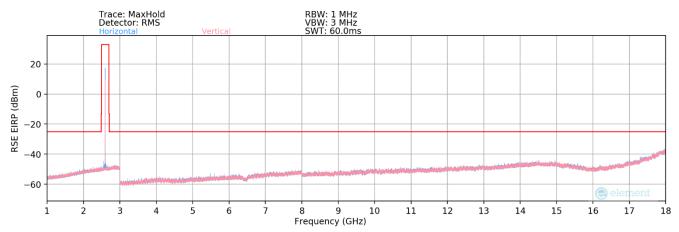
FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 174 of 196
1M2408260066-09.A3L	09/03/2024 - 11/11/2024	Portable Handset	Page 174 of 186
© 2023 ELEMENT	_		V11.1 08/28/2023



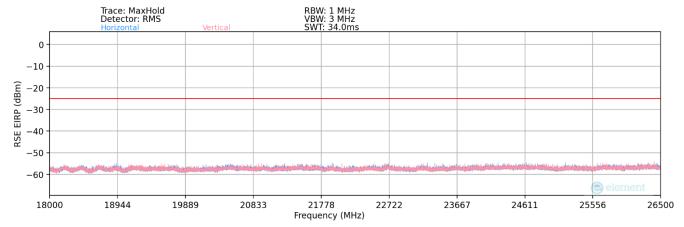
## NR Band n41 - Ant E - Default



Plot 7-231. Radiated Spurious Plot (NR Band n41 - Ant E)



Plot 7-232. Radiated Spurious Plot (NR Band n41 - Ant E)



Plot 7-233. Radiated Spurious Plot (NR Band n41 - Ant E)

FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dags 475 of 400
1M2408260066-09. A3 L	09/03/2024 - 11/11/2024	Portable Handset	Page 175 of 186
© 2023 ELEMENT		•	V11.1 08/28/2023



Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	Н	154	330	-61.63	1.93	47.30	-47.96	-25.00	-22.96
7920.00	Н	200	67	-77.37	7.24	36.87	-58.39	-25.00	-33.39
10560.00	Н	-	-	-80.58	10.88	37.30	-57.96	-25.00	-32.96
13200.00	Н	-	•	-81.72	14.22	39.50	-55.76	-25.00	-30.76
15840.00	Н	-	-	-82.32	16.10	40.78	-54.48	-25.00	-29.48

#### Table 7-84. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

Bandwidth (MHz):	100
Barramaar (mr.z).	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	Н	167	323	-66.21	2.23	43.02	-52.24	-25.00	-27.24
7920.00	Н	193	99	-66.96	7.42	47.46	-47.79	-25.00	-22.79
10560.00	Н	-	-	-81.23	11.13	36.90	-58.36	-25.00	-33.36
13200.00	Н	-	-	-81.19	14.06	39.87	-55.38	-25.00	-30.38
15840.00	Н	-	-	-81.97	14.91	39.94	-55.31	-25.00	-30.31

## Table 7-85. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	Н	134	365	-64.27	2.23	44.96	-50.30	-25.00	-25.30
7920.00	Н	188	91	-68.03	7.39	46.36	-48.89	-25.00	-23.89
10560.00	Н	-	-	-80.21	11.35	38.14	-57.11	-25.00	-32.11
13200.00	Н	-	1	-81.39	14.11	39.72	-55.53	-25.00	-30.53
15840.00	Н	-	-	-81.73	13.91	39.18	-56.08	-25.00	-31.08

## Table 7-86. Radiated Spurious Data (NR Band n41 - High Channel - Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Detector / Trace Mode:	Stand Alone

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]
195.58	Н	-	-	-96.95	18.59	28.64	-68.77	-25.00	-43.77
552.09	Н	•	•	-95.96	25.52	36.56	-60.84	-25.00	-35.84
980.73	Н	-	-	-96.15	31.10	41.95	-55.45	-25.00	-30.45

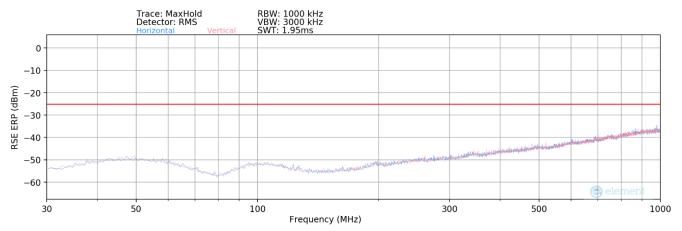
Table 7-87. Radiated Spurious Data (NR Band n41 - Mid Channel - Ant E)

FCC ID: A3LSMS936B		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 176 of 186
1M2408260066-09. A3 L	09/03/2024 - 11/11/2024	Portable Handset	Faye 170 01 100

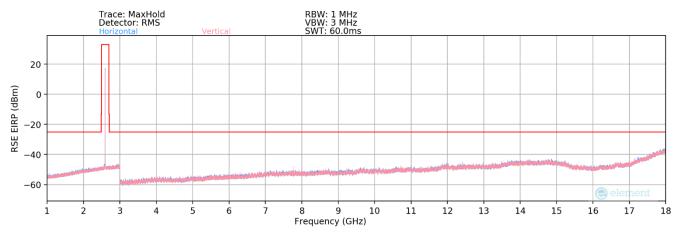
© 2023 ELEMENT V11.1 08/28/2023



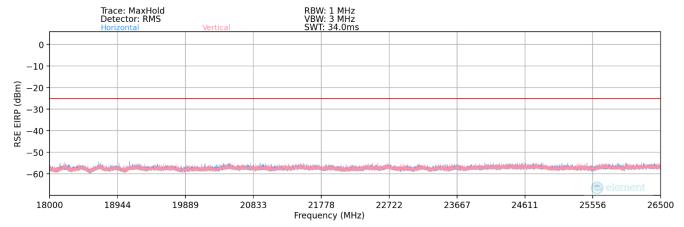
# NR Band n41 - Ant D - Switching



Plot 7-234. Radiated Spurious Plot (NR Band n41 - Ant D)



Plot 7-235. Radiated Spurious Plot (NR Band n41 - Ant D)



Plot 7-236. Radiated Spurious Plot (NR Band n41 - Ant D)

FCC ID: A3LSMS936B		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dogo 177 of 196		
1M2408260066-09.A3L	09/03/2024 - 11/11/2024	Portable Handset	Page 177 of 186		
© 2023 ELEMENT			\/11.1 \08/28/2023		

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5092.02	V	-	-	-75.38	1.93	33.55	-61.71	-25.00	-36.71
7638.03	V	100	23	-74.81	7.24	39.43	-55.83	-25.00	-30.83
10184.04	V	-	-	-80.03	10.88	37.85	-57.41	-25.00	-32.41
12730.05	V	-	-	-80.14	14.22	41.08	-54.18	-25.00	-29.18
15276.06	V	-	-	-80.87	16.10	42.23	-53.03	-25.00	-28.03

## Table 7-88. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5185.98	V	-	-	-75.72	2.23	33.51	-61.75	-25.00	-36.75
7778.97	V	100	22	-69.59	7.42	44.83	-50.42	-25.00	-25.42
10371.96	V	-	-	-79.71	11.13	38.42	-56.84	-25.00	-31.84
12964.95	V	-	-	-79.11	14.06	41.95	-53.30	-25.00	-28.30
15557.94	V	-	-	-81.26	14.91	40.65	-54.60	-25.00	-29.60

## Table 7-89. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	V	-	-	-75.96	2.23	33.27	-61.99	-25.00	-36.99
7920.00	V	-	-	-77.50	7.39	36.89	-58.36	-25.00	-33.36
10560.00	V	-	-	-79.07	11.35	39.28	-55.97	-25.00	-30.97
13200.00	V	-	-	-80.04	14.11	41.07	-54.18	-25.00	-29.18
15840.00	V	-	-	-80.49	13.91	40.42	-54.84	-25.00	-29.84

## Table 7-90. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1/136
Detector / Trace Mode:	Stand Alone

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]
242.01	V	-	-	-96.87	19.50	29.63	-67.78	-25.00	-42.78
457.38	V	-	-	-95.87	23.72	34.85	-62.56	-25.00	-37.56
845.05	V	-	-	-96.00	30.10	41.10	-56.31	-25.00	-31.31

## Table 7-91. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

FCC ID: A3LSMS936B		Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:	Page 178 of 186
1M2408260066-09. A3L	09/03/2024 - 11/11/2024	Portable Handset	rage 176 of 160

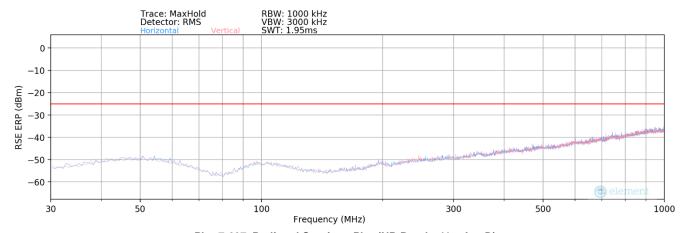
© 2023 ELEMENT

V11.1 08/28/2023

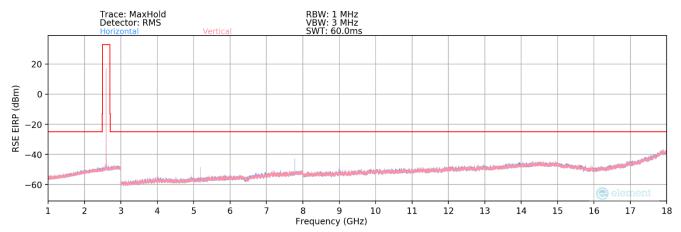
Unless otherwise specified, as part of this report may be reproduced, or utilized in any part, form or by any means, electronic or mechanical, including photocopying, and microfilm without



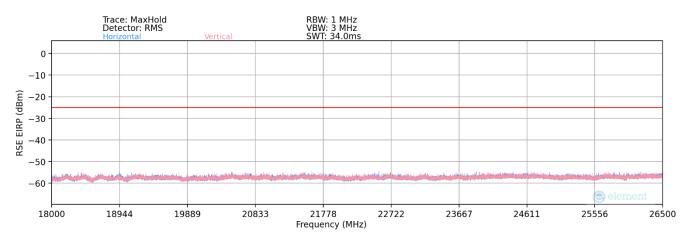
## NR Band n41 - Ant D - Default



Plot 7-237. Radiated Spurious Plot (NR Band n41 - Ant D)



Plot 7-238. Radiated Spurious Plot (NR Band n41 - Ant D)



Plot 7-239. Radiated Spurious Plot (NR Band n41 - Ant D)

FCC ID: A3LSMS936B		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dags 470 of 400	
1M2408260066-09. A3 L	09/03/2024 - 11/11/2024	Portable Handset	Page 179 of 186	
© 2023 ELEMENT			V11.1 08/28/2023	

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5092.02	Н	-	-	-76.66	1.93	32.27	-62.99	-25.00	-37.99
7638.03	Н	-	-	-78.10	7.24	36.14	-59.12	-25.00	-34.12
10184.04	Н	-	-	-80.76	10.88	37.12	-58.14	-25.00	-33.14

## Table 7-92. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5185.98	Н	-	-	-76.79	2.23	32.44	-62.82	-25.00	-37.82
7778.97	Н	-	-	-78.77	7.42	35.65	-59.60	-25.00	-34.60
10371.96	Н	-	-	-81.01	11.13	37.12	-58.14	-25.00	-33.14

#### Table 7-93. Radiated Spurious Data (NR Band n41 - Mid Channel - Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	Н	-	-	-77.06	2.23	32.17	-63.09	-25.00	-38.09
7920.00	Н	-	-	-78.77	7.39	35.62	-59.63	-25.00	-34.63
10560.00	Н	-	-	-80.21	11.35	38.14	-57.11	-25.00	-32.11

### Table 7-94. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

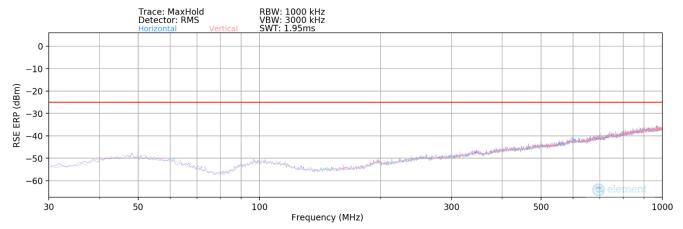
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
92.93	Н	-	-	-96.91	17.48	27.57	-69.83	-25.00	-44.83
550.85	Н	-	-	-96.00	25.49	36.49	-60.92	-25.00	-35.92
968.99	Н	-	-	-96.04	30.97	41.93	-55.48	-25.00	-30.48

#### Table 7-95. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

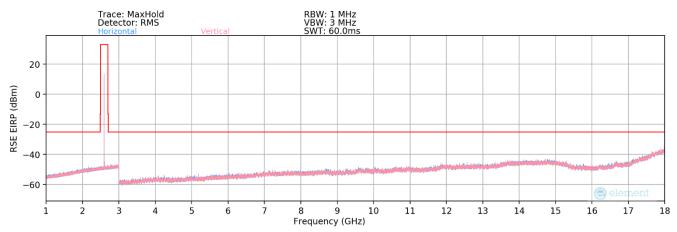
FCC ID: A3LSMS936B		Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	Dogo 190 of 196	
1M2408260066-09.A3L	09/03/2024 - 11/11/2024	Portable Handset	Page 180 of 186	
© 2023 ELEMENT		•	V11.1 08/28/2023	



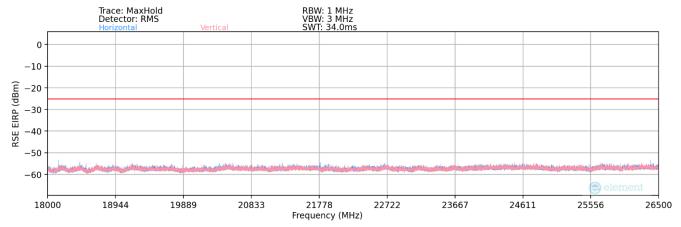
# NR Band n41 - Ant E - Switching



Plot 7-240. Radiated Spurious Plot (NR Band n41 - Ant E)



Plot 7-241. Radiated Spurious Plot (NR Band n41 - Ant E)



Plot 7-242. Radiated Spurious Plot (NR Band n41 - Ant E)

FCC ID: A3LSMS936B		PART 27 MEASUREMENT REPORT			
Test Report S/N:	Test Dates:	EUT Type:	Dama 404 of 400		
1M2408260066-09.A3L	09/03/2024 - 11/11/2024	Portable Handset	Page 181 of 186		
© 2023 ELEMENT		·	V11.1 08/28/2023		



Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5092.02	Н	-	-	-75.25	1.93	33.68	-61.58	-25.00	-36.58
7638.03	Н	-	-	-76.89	7.24	37.35	-57.91	-25.00	-32.91
10184.04	Н	-	-	-79.98	10.88	37.90	-57.36	-25.00	-32.36
12730.05	Н	-	-	-80.09	14.22	41.13	-54.13	-25.00	-29.13

## Table 7-96. Radiated Spurious Data (NR Band n41 - Low Channel - Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5185.98	Н	162	6	-70.02	2.23	39.21	-56.05	-25.00	-31.05
7778.97	Н	-	-	-77.78	7.42	36.64	-58.61	-25.00	-33.61
10371.96	Н	-	-	-79.70	11.13	38.43	-56.83	-25.00	-31.83
12964.95	Н	-	-	-79.44	14.06	41.62	-53.63	-25.00	-28.63

#### Table 7-97. Radiated Spurious Data (NR Band n41 - Mid Channel - Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136
Mode:	Stand Alone

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]
5280.00	Н	180	2	-68.77	2.23	40.46	-54.80	-25.00	-29.80
7920.00	Н	-	-	-77.54	7.39	36.85	-58.40	-25.00	-33.40
10560.00	Н	-	-	-79.04	11.35	39.31	-55.94	-25.00	-30.94
13200.00	Н	-	-	-80.05	14.11	41.06	-54.19	-25.00	-29.19

## Table 7-98. Radiated Spurious Data (NR Band n41 - High Channel - Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1/136
Mode:	Stand Alone

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]
211.29	Н	-	-	-96.82	17.88	28.06	-69.34	-25.00	-44.34
551.97	Н	-	-	-96.13	25.52	36.39	-61.02	-25.00	-36.02
828.83	Н	-	-	-95.97	29.76	40.79	-56.62	-25.00	-31.62

#### Table 7-99. Radiated Spurious Data (NR Band n41 - Mid Channel - Ant E)

FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 182 of 186
1M2408260066-09. A3L	09/03/2024 - 11/11/2024	Portable Handset	Page 102 01 100

© 2023 ELEMENT V11.1 08/28/2023



## 7.8 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 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

#### **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

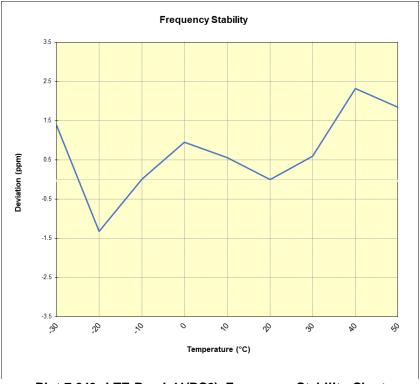
FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 183 of 186
1M2408260066-09. A3L	09/03/2024 - 11/11/2024	Portable Handset	Fage 103 01 100



## LTE Band 41

LTE Band 41/38							
	Operating	Frequency (Hz):	2,593,0				
	Ref. Voltage (VDC):		3.863				
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)		
		- 30	2,593,104,302	3,625	0.0001398		
		- 20	2,593,097,255	-3,422	-0.0001320		
		- 10	2,593,100,698	21	0.0000008		
		0	2,593,103,131	2,454	0.0000946		
100 %	3.863	+ 10	2,593,102,117	1,440	0.0000555		
		+ 20 (Ref)	2,593,100,677	0	0.0000000		
		+ 30	2,593,102,203	1,526	0.0000588		
		+ 40	2,593,106,687	6,010	0.0002318		
		+ 50	2,593,105,447	4,770	0.0001839		
Battery Endpoint	3.174	+ 20	2,593,104,558	3,881	0.0001497		

Table 7-100. LTE Band 41(PC2) Frequency Stability Data



Plot 7-243. LTE Band 41(PC2) Frequency Stability Chart

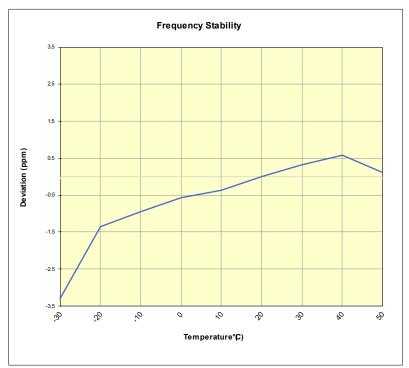
FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 184 of 186
1M2408260066-09. A3 L	09/03/2024 - 11/11/2024	Portable Handset	Fage 104 01 100



## NR Band n41

NR Band n41							
	Operating	Frequency (Hz):	2,593,0				
	Ref	Voltage (VDC):	3.8				
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)		
		- 30	2,593,085,352	-8,594	-0.0003314		
		- 20	2,593,090,411	-3,535	-0.0001363		
		- 10	2,593,091,475	-2,471	-0.0000953		
		0	2,593,092,444	-1,502	-0.0000579		
100 %	3.863	+ 10	2,593,093,014	-932	-0.0000359		
		+ 20 (Ref)	2,593,093,946	0	0.0000000		
		+ 30	2,593,094,781	835	0.0000322		
		+ 40	2,593,095,470	1,524	0.0000588		
		+ 50	2,593,094,247	301	0.0000116		
Battery Endpoint	3.174	+ 20	2,593,093,444	-502	-0.0000194		

Table 7-101. NR Band n7 Frequency Stability Data



Plot 7-244. NR Band n7 Frequency Stability Chart

FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Daga 405 of 400
1M2408260066-09.A3L	09/03/2024 - 11/11/2024	Portable Handset	Page 185 of 186
© 2023 ELEMENT	-	·	V11.1 08/28/2023

Unless otherwise specified, no part of this report may be reproduced or utilized in any part, form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from Element. If you have any questions about this or have an inquiry about obtaining additional rights to this report or assembly of contents thereof, please contact ct.info@element.com.



# 8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS936B** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: A3LSMS936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 186 of 186
1M2408260066-09.A3L	09/03/2024 - 11/11/2024	Portable Handset	Fage 100 01 100