



Plot 7-203. PAR Plot (NR Band n77 (DoD)- 10MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 127 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 127 of 179
© 2022 PCTEST		·	V3.0 1/6/2022



NR Band n77 - C-Band-SRS-1-Ant F



Plot 7-204. PAR Plot (NR Band n77 - 100MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-205. PAR Plot (NR Band n77 - 100MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Page 128 of 179	
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset			
© 2022 PCTEST				V3.0 1/6/2022	





Plot 7-206. PAR Plot (NR Band n77 - 100MHz CP-OFDM 256-QAM - Full RB - Ant F)



Plot 7-207. PAR Plot (NR Band n77 - 90MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 120 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 129 of 179
© 2022 PCTEST	•			V3.0 1/6/2022





Plot 7-208. PAR Plot (NR Band n77 - 90MHz CP-OFDM QPSK - Full RB - Ant F)



Plot 7-209. PAR Plot (NR Band n77 - 90MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 120 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 130 of 179
© 2022 PCTEST				V3.0 1/6/2022





Plot 7-210. PAR Plot (NR Band n77 - 80MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-211. PAR Plot (NR Band n77 - 80MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 121 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 131 of 179
© 2022 PCTEST			V3.0 1/6/2022





Plot 7-212. PAR Plot (NR Band n77 - 80MHz CP-OFDM 256-QAM - Full RB - Ant F)



Plot 7-213. PAR Plot (NR Band n77 - 70MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 122 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 132 of 179
© 2022 PCTEST	-		V3.0 1/6/2022





Plot 7-214. PAR Plot (NR Band n77 - 70MHz CP-OFDM QPSK - Full RB - Ant F)



Plot 7-215. PAR Plot (NR Band n77 - 70MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 122 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 133 of 179
© 2022 PCTEST	·			V3.0 1/6/2022





Plot 7-216. PAR Plot (NR Band n77 - 60MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-217. PAR Plot (NR Band n77 - 60MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS906E	Froud to be part of @ steement	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 124 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 134 of 179
© 2022 PCTEST			V3.0 1/6/2022





Plot 7-218. PAR Plot (NR Band n77 - 60MHz CP-OFDM 256-QAM - Full RB - Ant F)



Plot 7-219. PAR Plot (NR Band n77 - 50MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 125 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 135 of 179
© 2022 PCTEST	-		V3.0 1/6/2022





Plot 7-220. PAR Plot (NR Band n77 - 50MHz CP-OFDM QPSK - Full RB - Ant F)



Plot 7-221. PAR Plot (NR Band n77 - 50MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 126 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 136 of 179
© 2022 PCTEST	·			V3.0 1/6/2022





Plot 7-222. PAR Plot (NR Band n77 - 40MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-223. PAR Plot (NR Band n77 - 40MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 127 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 137 of 179
© 2022 PCTEST			V3.0 1/6/2022





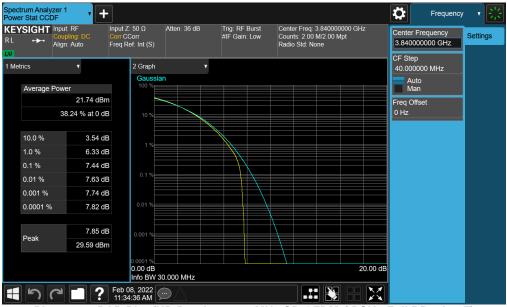
Plot 7-224. PAR Plot (NR Band n77 - 40MHz CP-OFDM 256-QAM - Full RB - Ant F)



Plot 7-225. PAR Plot (NR Band n77 - 30MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 129 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 138 of 179
© 2022 PCTEST	·	·		V3.0 1/6/2022





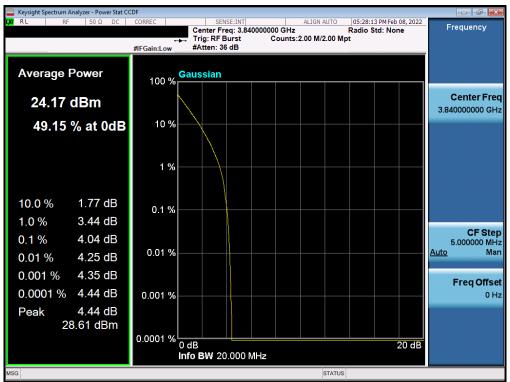
Plot 7-226. PAR Plot (NR Band n77 - 30MHz CP-OFDM QPSK - Full RB - Ant F)



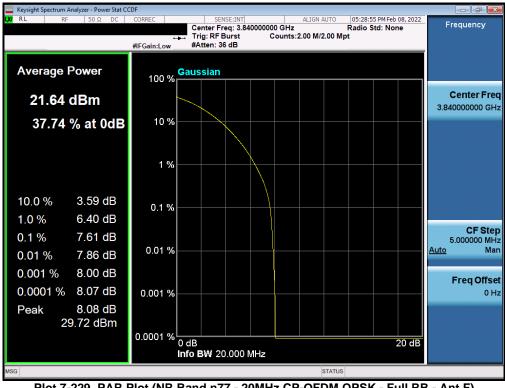
Plot 7-227. PAR Plot (NR Band n77 - 30MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 120 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 139 of 179
© 2022 PCTEST	•			V3.0 1/6/2022





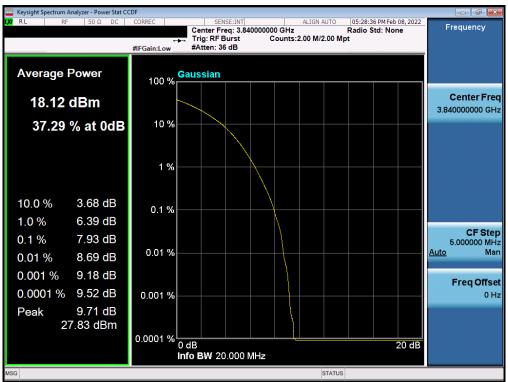
Plot 7-228. PAR Plot (NR Band n77 - 20MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-229. PAR Plot (NR Band n77 - 20MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS906E	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 140 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 140 of 179
© 2022 PCTEST		·		V3.0 1/6/2022





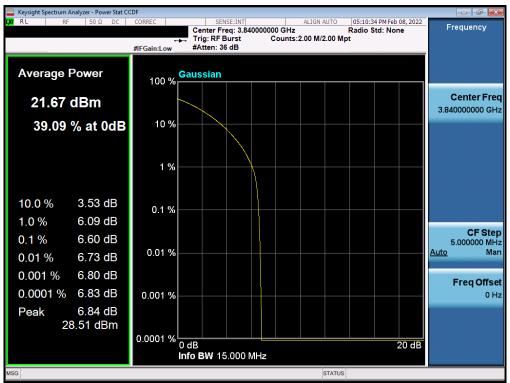
Plot 7-230. PAR Plot (NR Band n77 - 20MHz CP-OFDM 256-QAM - Full RB - Ant F)



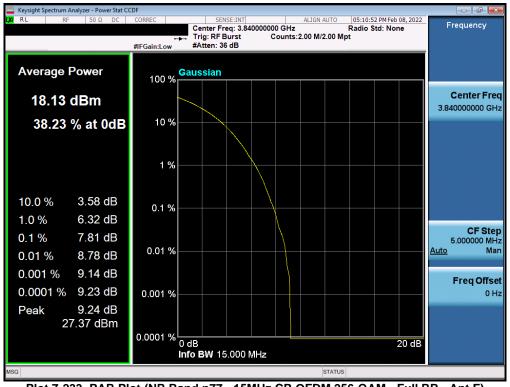
Plot 7-231. PAR Plot (NR Band n77 - 15MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMS906E	PCTEST Proud to be part of @ steement	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	BUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 141 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Fage 141 01 179
© 2022 PCTEST	•			V3.0 1/6/2022





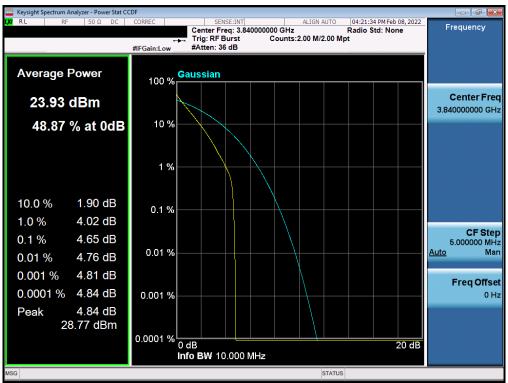
Plot 7-232. PAR Plot (NR Band n77 - 15MHz CP-OFDM QPSK - Full RB - Ant F)



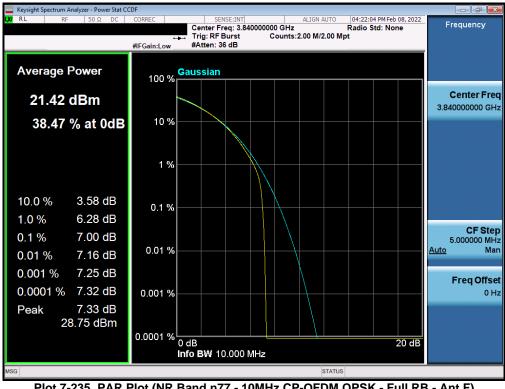
Plot 7-233. PAR Plot (NR Band n77 - 15MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 142 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Fage 142 01 179
© 2022 PCTEST				V3.0 1/6/2022





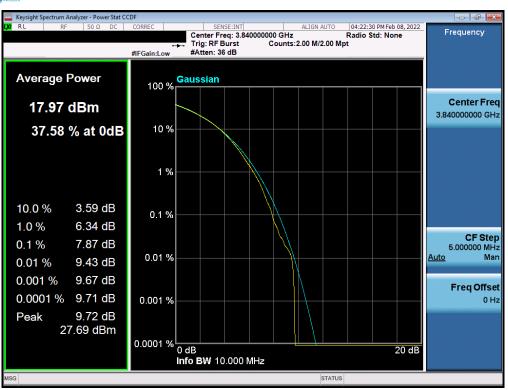
Plot 7-234. PAR Plot (NR Band n77 - 10MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-235. PAR Plot (NR Band n77 - 10MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS906E	Pout to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 143 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Fage 143 01 179
© 2022 PCTEST	-			V3.0 1/6/2022





Plot 7-236. PAR Plot (NR Band n77 - 10MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS906E	Portest Proved to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 144 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 144 of 179
© 2022 PCTEST				V3.0.1/6/2022



7.7 Radiated Power (EIRP)

Test Overview

Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz 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

KDB 971168 D01 v03r01 - Section 5.2.1

ANSI/TIA-603-E-2016 - Section 2.2.17

Test Settings

- 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 x RBW
- 4. Span = 1.5 times the OBW
- 5. No. of sweep points $\geq 2 \times \text{span} / \text{RBW}$
- 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

FCC ID: A3LSMS906E	Proud to be part of Britement	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 145 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 145 of 179
© 2022 PCTEST		·		V3 0 1/6/2022

All rights reserved. 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 PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



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

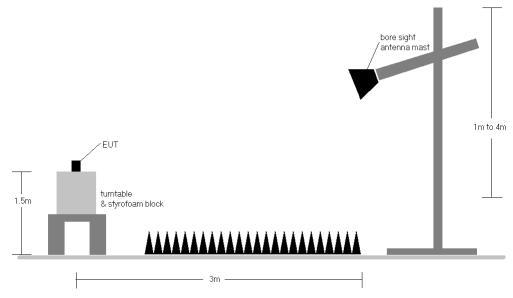


Figure 7-6. Radiated Test Setup >1GHz

Test Notes

- 1) 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.
- 2) This unit was tested with its standard battery.
- 3) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
- 4) 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.

FCC ID: A3LSMS906E	PCTEST* Preud to be pest of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 146 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 146 of 179
© 2022 PCTEST	•	•		V3.0.1/6/2022



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
THZ	π/2 BPSK	3500.01	V	105	275	7.16	1 / 136	14.78	21.94	0.156	30.00	-8.06
100 MHz	QPSK 16-QAM	3500.01 3500.01	V V	105 105	275 275	7.16	1 / 136 1 / 136	14.82	21.98 19.60	0.158	30.00 30.00	-8.02
	π/2 BPSK	3495.00	V	105	275	7.20	1 / 122	14.73	21.94	0.156	30.00	-8.06
	π/2 BPSK	3500.01	V	105	275	7.16	1 / 122	14.69	21.85	0.153	30.00	-8.15
90 MHz	π/2 BPSK	3504.99	V	105	275	7.16	1 / 61	14.71	21.87	0.154	30.00	-8.13
2	QPSK QPSK	3495.00 3500.01	V V	105 105	275 275	7.20	1 / 122 1 / 122	14.85 14.78	22.05 21.94	0.161 0.156	30.00 30.00	-7.95 -8.06
5	QPSK	3504.99	V	105	275	7.16	1/61	14.78	21.34	0.172	30.00	-7.65
	16-QAM	3504.99	V	105	275	7.16	1 / 61	13.20	20.36	0.109	30.00	-9.64
	π/2 BPSK	3490.02	V	105	275	7.25	1 / 54	14.97	22.21	0.167	30.00	-7.79
N	π/2 BPSK π/2 BPSK	3500.01 3510.00	V V	105 105	275 275	7.16 7.16	1 / 54 1 / 54	14.99 15.26	22.15 22.42	0.164	30.00 30.00	-7.85 -7.58
80 MHz	QPSK	3490.02	V	105	275	7.16	1/54	14.94	22.42	0.175	30.00	-7.81
80	QPSK	3500.01	V	105	275	7.16	1 / 54	14.97	22.13	0.163	30.00	-7.87
	QPSK	3510.00	V	105	275	7.16	1 / 54	14.63	21.79	0.151	30.00	-8.21
	16-QAM	3490.02	V	105	275	7.25	1/54	12.79	20.04	0.101	30.00	-9.96
	π/2 BPSK π/2 BPSK	3485.01 3500.01	V V	105 105	275 275	7.29 7.16	1 / 141 1 / 47	15.19 15.31	22.48 22.47	0.177	30.00 30.00	-7.52 -7.53
₽	π/2 BPSK	3514.98	v	105	275	7.16	1/47	15.12	22.28	0.169	30.00	-7.72
70 MHz	QPSK	3485.01	V	105	275	7.29	1 / 141	14.98	22.27	0.169	30.00	-7.73
2	QPSK	3500.01	V	105	275	7.16	1 / 47	15.16	22.32	0.171	30.00	-7.68
	QPSK 16-QAM	3514.98 3500.01	V V	105 105	275 275	7.16	1 / 47 1 / 47	14.99 13.76	22.15 20.92	0.164	30.00 30.00	-7.85
	π/2 BPSK	3480.00	V	105	275	7.16	1/4/	13.76	20.92	0.124	30.00	-9.08
	π/2 BPSK	3500.01	V	105	275	7.16	1 / 81	15.28	22.44	0.175	30.00	-7.56
뷮	π/2 BPSK	3519.99	V	105	275	7.16	1 / 40	14.84	22.00	0.158	30.00	-8.00
60 MHz	QPSK OBSK	3480.00 3500.01	V V	105 105	275	7.33 7.16	1 / 40	14.91	22.25 22.21	0.168	30.00 30.00	-7.75 -7.79
9	QPSK QPSK	3500.01	V	105	275 275	7.16	1 / 81 1 / 40	15.05 15.00	22.21	0.166	30.00	-7.79
	16-QAM	3480.00	V	105	275	7.33	1 / 40	13.30	20.63	0.116	30.00	-9.37
	π/2 BPSK	3475.02	V	105	275	7.38	1 / 66	14.67	22.05	0.160	30.00	-7.95
N	π/2 BPSK	3500.01	V	105	275	7.16	1/33	15.22	22.38	0.173	30.00	-7.62
50 MHz	π/2 BPSK QPSK	3525.00 3475.02	V V	105 105	275 275	7.16 7.38	1 / 66 1 / 66	14.47 14.83	21.62 22.21	0.145	30.00 30.00	-8.38 -7.79
20	QPSK	3500.01	V	105	275	7.16	1/33	14.03	22.21	0.172	30.00	-7.64
	QPSK	3525.00	V	105	275	7.16	1 / 66	14.55	21.71	0.148	30.00	-8.29
	16-QAM	3500.01	V	105	275	7.16	1 / 33	13.29	20.45	0.111	30.00	-9.55
	π/2 BPSK π/2 BPSK	3470.01 3500.01	V V	105 105	275 275	7.42	1 / 26 106 / 0	15.01 14.72	22.44 21.88	0.175 0.154	30.00 30.00	-7.56 -8.12
보	π/2 BPSK	3529.98	V	105	275	7.16	1/26	14.72	21.00	0.154	30.00	-7.51
40 MHz	QPSK	3470.01	V	105	275	7.42	1 / 26	14.84	22.26	0.168	30.00	-7.74
40	QPSK	3500.01	V	105	275	7.16	1 / 26	15.37	22.53	0.179	30.00	-7.47
	QPSK	3529.98	V	105	275	7.16	1/26	15.00	22.15	0.164	30.00	-7.85
	16-QAM π/2 BPSK	3529.98 3465.00	V V	105 105	275 275	7.16	1 / 26 1 / 19	13.31 14.73	20.47 22.20	0.111 0.166	30.00 30.00	-9.53 -7.80
	π/2 BPSK	3500.01	V	105	275	7.16	1 / 19	15.14	22.30	0.170	30.00	-7.70
보	π/2 BPSK	3534.99	V	105	275	7.16	1 / 19	15.30	22.46	0.176	30.00	-7.54
30 MHz	QPSK	3465.00	V	105	275	7.46	1 / 19	14.04	21.51	0.141	30.00	-8.49
Ř	QPSK QPSK	3500.01 3534.99	V V	105 105	275 275	7.16 7.16	1 / 19 1 / 19	15.36 15.24	22.52 22.40	0.179 0.174	30.00 30.00	-7.48 -7.60
	16-QAM	3500.01	V	105	275	7.16	1 / 19	13.79	22.40	0.174	30.00	-9.05
	π/2 BPSK	3460.02	V	105	275	7.51	1 / 13	14.85	22.35	0.172	30.00	-7.65
	π/2 BPSK	3500.01	V	105	275	7.16	1 / 13	15.28	22.44	0.175	30.00	-7.56
20 MHz	π/2 BPSK	3540.00	V	105	275	7.16	1/13	14.97	22.13	0.163	30.00	-7.87
50 1	QPSK QPSK	3460.02 3500.01	V V	105 105	275 275	7.51 7.16	1 / 13 1 / 13	14.95 15.13	22.45 22.29	0.176	30.00 30.00	-7.55 -7.71
	QPSK	3540.00	v	105	275	7.16	1 / 13	15.05	22.23	0.166	30.00	-7.79
	16-QAM	3460.02	V	105	275	7.51	1 / 13	13.41	20.92	0.124	30.00	-9.08
	π/2 BPSK	3457.50	V	105	275	7.53	1/19	14.84	22.37	0.173	30.00	-7.63
N	π/2 BPSK π/2 BPSK	3500.01 3542.49	V V	105 105	275 275	7.16 7.16	1 / 19 1 / 19	14.86 15.06	22.02 22.22	0.159 0.167	30.00 30.00	-7.98 -7.78
ΗM	QPSK	3457.50	V	105	275	7.53	1 / 19	14.93	22.46	0.176	30.00	-7.54
15	QPSK	3500.01	V	105	275	7.16	1 / 19	14.39	21.55	0.143	30.00	-8.45
	QPSK	3542.49	V	105	275	7.16	1/19	14.36	21.52	0.142	30.00	-8.48
	16-QAM π/2 BPSK	3457.50 3455.01	V V	105 105	275 275	7.53 7.55	1/19 1/6	12.43 14.62	19.96 22.17	0.099	30.00 30.00	-10.04 -7.83
	π/2 BPSK	3455.01 3500.01	V	105	275	7.55	1/6	14.62	22.17	0.165	30.00	-7.83
보	π/2 BPSK	3544.98	v	105	275	7.16	1/17	15.01	22.17	0.165	30.00	-7.83
10 MHz	QPSK	3455.01	V	105	275	7.55	1/6	14.97	22.52	0.179	30.00	-7.48
ے ج	QPSK OBSK	3500.01	V	105	275	7.16	1/12	15.17	22.33	0.171	30.00	-7.67
	QPSK 16-QAM	3544.98 3500.01	V V	105 105	275 275	7.16 7.16	1 / 17 1 / 12	14.89 13.49	22.04 20.65	0.160	30.00 30.00	-7.96 -9.35
	QPSK (CP-OFDM)	3500.0	V	105	275	7.16	1/12	13.94	21.10	0.129	30.00	-8.90
100 MHz	QPSK (Opposite Pol.)	3500.0	н	129	309	7.74	1/68	13.17	20.91	0.123	30.00	-9.09
	QPSK (WCP)	3500.0	V	105	275	7.16	1/68	13.09	20.25	0.106	30.00	-9.75
		Table 7	-10 E	DD Dat	O INP P	kand n7		- SRS-1-	. Ant El			

Table 7-10. EIRP Data (NR Band n77 (DoD) – SRS-1-Ant F)

FCC ID: A3LSMS906E	Pout to be part of & diement	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 147 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 147 of 179
© 2022 PCTEST	•			V3.0.1/6/2022



mini process of second seco	Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
980 990 <td></td>													
OFPSK 3930.00 V 101 270 6.49 1/108 13.4 19.8 0.00 50.00 -14.4 172 PPSK 3945.00 V 101 270 6.49 1/183 12.26 18.5 0.00 30.00 -14.45 172 PPSK 3945.00 V 100 280 6.48 1/183 12.26 18.57 0.00 30.00 -0.95 079 2745.02 V 100 280 6.41 1/183 12.63 12.61 0.00 -0.00 -0.00 -0.00 0.01 11.03 12.61 0.00 -0.00 -0.00 1/183 12.61 0.00 -0.00 -0.00 0.01 17.00 17.01 17.01 17.00 17.00 0.00 -0.00 0.00 0.00 0.01 17.01 17.01 17.00 0.00 0.00 0.01 17.01 17.01 17.00 0.00 0.00 0.01 0.00 0.01 17.01	₽												
OFPSK 3930.00 V 101 270 6.49 1/108 13.4 19.8 0.00 50.00 -14.4 172 PPSK 3945.00 V 101 270 6.49 1/183 12.26 18.5 0.00 30.00 -14.45 172 PPSK 3945.00 V 100 280 6.48 1/183 12.26 18.57 0.00 30.00 -0.95 079 2745.02 V 100 280 6.41 1/183 12.63 12.61 0.00 -0.00 -0.00 -0.00 0.01 11.03 12.61 0.00 -0.00 -0.00 1/183 12.61 0.00 -0.00 -0.00 0.01 17.00 17.01 17.01 17.00 17.00 0.00 -0.00 0.00 0.00 0.01 17.01 17.01 17.00 0.00 0.00 0.01 17.01 17.01 17.00 0.00 0.00 0.01 0.00 0.01 17.01	W											-	
Inte-Qual 2000 V 900 200 14.00 17.00 12.00 11.00 20.00 30.00 -14.00 17.00 200.00 V 100 200 200.00 17.00 12.00	100												
mag Birsk 3%3.00 V 100 2960 6.81 1/180 627.0 10.27 10.20 10.00 4.00													
TOPOR TOPOR <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
TOPE TOPE <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></th<>													
OPSK 934.98 V 101 276 6.449 1/183 17.82 19.84 0.081 30.00 19.84 TOPO 376.01 V 101 276 6.449 1/183 12.43 18.81 0.078 0.081 39.80 11.10 TOPOR 376.00 V 100 286 6.73 1/162 13.24 20.22 10.10 30.00 -9.20 TOPOR 437.01 V 100 286 6.73 1/162 13.56 20.75 10.80 30.00 -9.20 CPSK 393.00 V 101 276 6.441 1/168 13.24 13.20 0.000 30.00 10.01 13.27 13.28 0.000 30.00 10.01 20.01 13.21 13.28 0.000 30.00 10.01 30.00 30.00 10.00 30.00 10.01 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 <td>부</td> <td></td>	부												
OPSK 934.98 V 101 276 6.449 1/183 17.82 19.84 0.081 30.00 19.84 TOPO 376.01 V 101 276 6.449 1/183 12.43 18.81 0.078 0.081 39.80 11.10 TOPOR 376.00 V 100 286 6.73 1/162 13.24 20.22 10.10 30.00 -9.20 TOPOR 437.01 V 100 286 6.73 1/162 13.56 20.75 10.80 30.00 -9.20 CPSK 393.00 V 101 276 6.441 1/168 13.24 13.20 0.000 30.00 10.01 13.27 13.28 0.000 30.00 10.01 20.01 13.21 13.28 0.000 30.00 10.01 30.00 30.00 10.00 30.00 10.01 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 30.00 <td>N N</td> <td>QPSK</td> <td>3745.02</td> <td>V</td> <td>106</td> <td>286</td> <td>6.81</td> <td>1 / 183</td> <td>12.66</td> <td>19.47</td> <td>0.089</td> <td>30.00</td> <td>-10.53</td>	N N	QPSK	3745.02	V	106	286	6.81	1 / 183	12.66	19.47	0.089	30.00	-10.53
Image: sec in the sec	06												
Part Part Part Part Part Part Part Part													
TOP TOP <td></td>													
TP00 mm 2 Breik 338.39 V 101 276 6.44 1/108 11.77 20.24 0.084 30.00 -10.2 GP1K 374.00 V 100 286 6.77 1/161 12.28 10.77 0.084 30.00 -10.2 GP1K 383.00 V 101 278 6.44 1/108 11.22 11.20 10.20<													
OPSK 338.00 V 100 284 6.47 1.164 1.2.3 20.118 30.00 -0.23 PTMO2 Segment 338.98 V 1011 276 6.484 1.108 11.82 12.97 0.096 30.00 -11.07 TEPENK 375.00 V 1010 276 6.484 1.108 11.82 12.90 0.098 30.00 -11.01 TEPENK 375.00 V 1000 284 6.477 1.1141 11.82 12.91 0.103 40.00 -4.00 -1.03 GPSK 3360.00 V 1000 284 6.477 1.141 12.84 10.90 40.00 -1.03 40.00 4.000 4.90	우												
OP/SK 939.90 V 1011 270 6.48 1/108 11.9.2 0.009 9.000 -1003 TEDE State 375.00 V 1010 276 6.48 1/118 118.20 0.008 3.000 -117.1 TEPSK 380.00 V 1010 276 6.47 1/141 113.65 21.0 0.008 3.000 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00 -10.00	W	QPSK		V	106	286	6.78	1 / 162	12.96	19.75	0.094	30.00	-10.25
THO THO <ththo< th=""> <ththo< th=""> <ththo< th=""></ththo<></ththo<></ththo<>	80												
THM THM <ththm< th=""> <ththm< th=""> <ththm< th=""></ththm<></ththm<></ththm<>													
PTQ PTW 3940.00 V 100 29.4 6.47 1/141 13.86 29.42 0.103 30.00 -9.87 OPSK 3940.00 V 1001 22.00 6.47 1/141 13.85 20.22 0.103 30.00 -9.88 OPSK 3940.00 V 1001 22.8 6.47 1/141 13.85 20.22 0.013 30.00 -9.86 OPSK 3945.00 V 1010 22.8 6.47 1/141 13.27 19.41 0.038 30.00 -9.06 T2 PSK 3946.00 V 100 22.8 6.47 1/141 14.32 12.01 0.00 30.00 -9.02 T2 PSK 3940.00 V 100 22.8 6.47 1/121 14.34 20.22 0.11 30.00 -9.02 T2 PSK 3940.00 V 100 22.6 6.47 1/121 14.34 20.22 0.112 30.00 -10.25 <													
PHO TU2 PPK SM40.00 V 101 270 6.47 1/141 13.65 2.11 0.103 3.000 -0.98 PHO OPSK 3340.00 V 1000 284 6.47 1/141 13.85 13.82 0.103 3.000 -0.98 PHO OPSK 3340.00 V 1001 276 6.47 1/141 13.85 0.138 3.000 -0.00 IPSC OPSK 3340.00 V 1001 276 6.47 1/141 13.53 2.012 0.103 3.000 -9.98 T2 PPSK 3340.00 V 1010 226 6.473 1/181 11.22 10.01 3.00 -9.26 OPSK 3340.00 V 1010 226 6.473 1/181 11.32 1021 0.003 3.000 -0.26 OPSK 3340.00 V 1010 226 6.47 1/181 11.228 1011 10.00 3.00 3.00 <td></td>													
Part OPSK 375.00 V 100 228 6.70 1/141 12.85 17.92 0.003 30.00 -10.00 OPSK 394.00 V 101 278 6.47 1/141 13.45 13.84 0.003 30.00 -10.00 OPSK 394.00 V 1010 228 6.47 1/141 13.45 13.84 0.003 30.00 -10.00 T/2 RPSK 394.00 V 1010 228 6.47 1/121 143.33 21.01 0.17.35 30.00 -8.99 T/2 RPSK 394.80.0 V 1010 228 6.47 1/121 143.35 22.011 30.00 -10.75 OPSK 394.80.0 V 1010 226 6.47 1/121 143.41 20.22 0.211 30.00 -10.25 OPSK 394.00.0 V 1010 226 6.47 1/161 13.25 10.92 0.030 30.00 -10.25	₽											-	
OPSK 9945.00 V 101 276 6.47 1/141 13.47 19.44 0.098 30.00 1000 172.BPSK 3730.02 V 1000 288 6.47 1/141 13.29 10.20 0.000 30.00 -8.98 172.BPSK 3840.00 V 100 288 6.47 1/121 14.53 21.04 0.128 30.00 -8.98 172.BPSK 3840.00 V 1010 276 6.46 1/121 14.53 21.02 0.003 30.00 -9.10 OPSK 3949.00 V 1010 276 6.46 1/181 14.28 10.28 0.003 30.00 -10.02 OPSK 3940.00 V 1010 284 6.47 1/168 14.35 20.32 0.102 30.00 -10.28 172.BPSK 394.000 V 1010 276 6.43 1/96 14.34 20.37 0.100 30.00 -10.28	ž												
He-GMM 3980.00 V 100 224 6.47 1/141 12.54 20.02 0.00 30.00 -9.98 M2 BPSK 3980.00 V 100 226 6.73 1/181 11.29 20.02 0.00 30.00 -9.98 M2 BPSK 3980.00 V 101 2276 6.46 1/181 11.421 0.008 30.00 -9.92 M2 BPSK 3980.00 V 100 226 6.47 1/181 12.48 10.82 30.00 -0.92 OPSK 3980.00 V 100 226 6.47 1/161 13.26 19.64 0.008 30.00 -0.02 30.00 -0.02 30.00 -0.02 30.00 -0.02 30.00 -0.02 30.00 -0.02 30.00 -0.02 30.00 -0.02 30.00 -0.02 -0.02 0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 -0.02 <th< td=""><td>20</td><td></td><td>3840.00</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>30.00</td><td>-9.68</td></th<>	20		3840.00									30.00	-9.68
T2 BPSK 3730.02 V 100 286 6.73 1/121 13.29 20.02 0.100 30.00 -89.9 T2 BPSK 384.98 V 100 226 6.47 1/121 14.53 21.04 0.128 30.00 -9.96 OPSK 3730.02 V 101 276 6.46 1/111 14.53 21.04 0.101 30.00 -9.96 OPSK 3740.02 V 100 224 6.47 1/121 14.34 19.21 0.081 30.00 -10.75 OPSK 394.90 V 101 276 6.46 1/121 12.85 0.094 30.00 -10.25 U2 BPSK 394.00 V 101 276 6.43 1/166 14.35 20.82 0.127 30.00 -9.16 U2 BPSK 394.00 V 101 276 6.43 1/166 14.21 20.66 0.117 30.00 -9.13 OPSK 394.0													
Process model process<						-							
Pro Pro <td></td>													
PH OPEK 3940.00 V 100 284 6.47 11/121 14.32 121 30.00 -9.18 PH OPEK 3949.98 V 101 276 6.47 11/121 1228 13.16 0.002 30.00 -9.18 T/2 BPSK 3840.00 V 100 284 6.47 11/166 14.355 20.32 0.101 30.00 -9.16 T/2 BPSK 3840.00 V 100 286 6.71 11/66 14.354 20.32 0.101 30.00 -9.16 OPSK 3940.00 V 100 286 6.71 11/66 14.31 20.02 10.17 30.00 -9.13 TB-DMM 3940.00 V 100 286 6.68 1/26 11.35 11.41 30.00 -10.33 TB-PSK 3940.00 V 100 286 6.68 1/28 14.35 20.02 10.10 30.0 -10.33 TB-PSK<	M												
OP:SK 394.98 V 101 278 6.46 1/81 13.22 19.75 0.034 30.00 102.20 T2 RPSK 372.01 V 106 286 6.71 1/.66 11.85 20.02 10.12 T2 RPSK 3340.00 V 100 228 6.47 1/.66 11.45 20.02 11.21 20.00 -31.84 T2 RPSK 3340.00 V 101 227 6.43 1/.66 11.43 20.02 11.17 20.00 -31.84 OPSK 3364.00 V 100 228 6.47 1/.66 13.17 156.4 0.002 30.00 -32.3 T2 RPSK 384.00 V 100 228 6.47 1/.26 13.17 156.4 0.002 30.00 -0.03 -0.03 -32.8 13.44 0.082 30.00 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 -0.03 <td>MH</td> <td></td>	MH												
Head 384.00 V 100 294 6.47 1/121 128 19.16 0.002 30.00 -9.65 T2 BPSK 339.400 V 100 294 6.47 1/166 13.65 20.35 0.109 30.00 -9.65 T2 BPSK 339.400 V 100 226 6.43 1/166 13.35 20.35 0.109 30.00 -9.65 QPSK 339.400 V 100 226 6.47 1/166 12.85 19.56 0.000 30.00 -9.63 QPSK 384.00 V 101 226 6.47 1/166 13.27 10.64 0.000 -0.00 </td <td>60</td> <td>QPSK</td> <td>3840.00</td> <td>V</td> <td>100</td> <td>284</td> <td>6.47</td> <td>1 / 121</td> <td>14.34</td> <td>20.82</td> <td></td> <td>30.00</td> <td>-9.18</td>	60	QPSK	3840.00	V	100	284	6.47	1 / 121	14.34	20.82		30.00	-9.18
Product Product <t< td=""><td></td><td></td><td></td><td></td><td>-</td><td>-</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>					-	-							
Hor Ind 298 6.47 1 / 166 11.38 20.82 0.121 30.00 -9.83 PTR ID 276 6.43 1 / 166 13.94 20.37 0.109 30.00 -9.83 OPSK 3364.00 V 100 228 6.71 1 / 166 13.94 20.37 0.109 30.00 -9.83 OPSK 3364.00 V 100 228 6.47 1 / 166 14.21 20.08 30.00 -9.73 16-GAM 3840.00 V 100 228 6.47 1 / 26 13.27 19.84 0.089 30.00 -10.00 T2 BPSK 3840.00 V 100 228 6.47 1 / 28 14.27 24.22 10.10 0.011 30.00 -9.33 OPSK 3840.00 V 101 276 6.41 1 / 28 14.42 10.90 0.011 30.00 -10.14 172 BPSK 3840.00 <thv< th=""> 1010</thv<>													
PHO TIZ PERK 3964.99 V 101 276 6.43 1.166 13.94 20.37 0.109 30.00 -9.63 OPSK 3964.00 V 100 284 6.47 1.166 112.85 10.56 0.000 -9.000 -9.32 OPSK 3964.00 V 100 284 6.47 1.166 112.11 20.88 0.117 30.00 -9.32 OPSK 3964.00 V 100 284 6.47 1.166 13.17 19.64 0.008 30.00 -9.32 T/2 BPSK 3960.00 V 106 286 6.68 1.26 19.44 0.008 30.00 -9.33 OPSK 3960.00 V 100 284 6.47 1.126 13.44 19.86 0.081 30.00 -9.33 OPSK 3960.00 V 100 284 6.47 1.126 13.44 19.86 0.027 30.00 -10.14													
PFK 3984.99 V 101 276 6.43 1.99 13.83 20.27 0.166 30.00 -9.73 16-DAM 3840.00 V 106 284 6.47 1.76 13.26 19.94 0.099 30.00 -10.28 m12 BPSK 3840.00 V 106 284 6.47 1.726 14.25 13.26 19.94 0.099 30.00 -4.78 QPSK 3720.00 V 106 286 6.68 1.726 14.22 11.10 0.081 30.00 -4.78 OPSK 3720.00 V 101 276 6.41 1.726 12.42 19.10 0.081 30.00 -10.30 DePSK 3840.00 V 100 284 6.47 1.78 12.42 19.86 0.097 30.00 -10.44 T12 BPSK 3840.00 V 100 284 6.47 1.78 14.53 21.00 0.128 30.00 -10.24	N											-	
PFK 3984.99 V 101 276 6.43 1.99 13.83 20.27 0.166 30.00 -9.73 16-DAM 3840.00 V 106 284 6.47 1.76 13.26 19.94 0.099 30.00 -10.28 m12 BPSK 3840.00 V 106 284 6.47 1.726 14.25 13.26 19.94 0.099 30.00 -4.78 QPSK 3720.00 V 106 286 6.68 1.726 14.22 11.10 0.081 30.00 -4.78 OPSK 3720.00 V 101 276 6.41 1.726 12.42 19.10 0.081 30.00 -10.30 DePSK 3840.00 V 100 284 6.47 1.78 12.42 19.86 0.097 30.00 -10.44 T12 BPSK 3840.00 V 100 284 6.47 1.78 14.53 21.00 0.128 30.00 -10.24	MH											-	
Ho-OMM 3340.00 V 100 284 6.47 1.1/66 13.17 19.64 0.092 30.00 -10.36 m12 BPSK 3720.00 V 100 286 6.68 1/26 13.26 19.94 0.099 30.00 -10.36 m12 BPSK 3840.00 V 100 284 6.47 1/26 14.25 20.67 0.117 30.00 -8.33 OPSK 3840.00 V 100 284 6.47 1/78 14.26 20.67 0.117 30.00 -9.33 OPSK 3840.00 V 100 284 6.47 1/78 13.44 19.86 0.087 30.00 -10.44 10-OM 3840.00 V 100 284 6.47 1/78 13.43 21.00 0.128 30.00 -9.12 m12 BPSK 3840.00 V 100 284 6.47 1/58 14.43 21.01 0.128 30.00 -10.21 30.00	50												
Physic 372.00 V 106 286 6.68 1/.26 13.26 19.34 0.009 30.00 -10.06 T/2 BPSK 3840.00 V 100 284 6.47 1/.26 14.26 20.67 0.113 30.00 -8.78 OPSK 3720.00 V 106 286 6.68 1/.26 14.26 20.67 0.117 30.00 -9.33 OPSK 3840.00 V 100 284 6.47 1/.79 14.18 20.66 0.161 30.00 -9.34 T/2 BPSK 3840.00 V 100 284 6.47 1/.78 13.44 19.86 0.007 30.00 -9.01 T/2 BPSK 3964.98 V 101 276 6.39 1/.39 13.59 20.25 0.106 30.00 -9.01 T/2 BPSK 3964.98 V 101 276 6.39 1/.39 13.36 19.75 0.004 30.00 -10.25													
PTO TM2 BPSK 3840.00 V 100 284 6.47 1/28 1475 21.22 0.133 30.00 -8.78 TM2 BPSK 3860.00 V 101 276 6.41 1/28 14.26 20.67 0.117 30.00 -9.33 QPSK 3840.00 V 100 284 6.47 1/79 14.18 20.67 0.011 30.00 -9.33 QPSK 3840.00 V 100 284 6.47 1/79 14.18 20.66 0.116 30.00 -10.14 16-QAM 3840.00 V 100 284 6.47 1/79 12.99 19.46 0.088 30.00 -10.14 17/2 BPSK 3864.98 V 101 276 6.39 1/39 14.49 20.88 0.122 30.00 -10.24 0PSK 3840.00 V 100 284 6.47 1/58 14.53 21.01 0.128 30.00 -10.24													
Pice mm 2 BPSK 3980.00 V 101 276 6.41 1/26 14.26 20.67 0.117 30.00 -9.33 OPSK 3720.00 V 106 286 6.68 1/26 12.42 19.10 0.081 30.00 -10.90 OPSK 3860.00 V 100 284 6.47 1/79 14.18 20.66 0.116 30.00 -10.93 IGOM 3840.00 V 100 284 6.47 1/78 13.44 19.86 0.0081 30.00 -10.14 mr2 BPSK 3840.00 V 100 284 6.47 1/58 14.53 21.00 0.126 30.00 -9.00 mr2 BPSK 3840.00 V 101 276 6.39 1/39 14.49 20.88 0.122 30.00 -10.21 OPSK 3840.00 V 101 276 6.39 1/39 13.52 10.01 28.0 0.095 30.00 -												-	
PFK 3960.00 V 101 276 6.41 1/28 13.44 19.86 0.097 30.00 -10.14 IB-QAM 3940.00 V 100 284 6.47 1/19 12.99 19.46 0.088 30.00 -10.54 T/2 BPSK 3715.02 V 106 286 6.66 1/19 13.59 20.25 0.106 30.00 -9.00 T/2 BPSK 3940.00 V 100 284 6.47 1/158 14.43 20.05 0.091 30.00 -9.00 QPSK 3715.02 V 101 276 6.39 1/139 14.43 20.88 0.091 30.00 -10.41 QPSK 3940.00 V 100 286 6.66 1/19 11.83 18.55 0.072 30.00 -10.41 QPSK 3940.00 V 106 286 6.63 1/125 14.44 20.91 0.122 30.00 -10.23 30.00	N												
PFK 3960.00 V 101 276 6.41 1/28 13.44 19.86 0.097 30.00 -10.14 IB-QAM 3940.00 V 100 284 6.47 1/19 12.99 19.46 0.088 30.00 -10.54 T/2 BPSK 3715.02 V 106 286 6.66 1/19 13.59 20.25 0.106 30.00 -9.00 T/2 BPSK 3940.00 V 100 284 6.47 1/158 14.43 20.05 0.091 30.00 -9.00 QPSK 3715.02 V 101 276 6.39 1/139 14.43 20.88 0.091 30.00 -10.41 QPSK 3940.00 V 100 286 6.66 1/19 11.83 18.55 0.072 30.00 -10.41 QPSK 3940.00 V 106 286 6.63 1/125 14.44 20.91 0.122 30.00 -10.23 30.00	MH												
PION 16-QAM 3840.00 V 100 284 6.47 1/79 12.99 19.46 0.088 30.00 -10.54 m/2 BPSK 3715.02 V 106 286 6.66 1/19 13.59 20.25 0.106 30.00 -9.75 m/2 BPSK 3964.00 V 100 284 6.47 1/58 14.53 21.00 0.126 30.00 -9.00 m/2 BPSK 3964.00 V 106 286 6.66 1/19 12.93 19.59 0.001 30.00 -9.02 QPSK 3964.98 V 101 276 6.39 1/39 13.36 19.75 0.094 30.00 -10.20 16-QMM 3715.02 V 106 286 6.63 1/19 11.89 18.55 0.072 30.00 -10.20 m/2 BPSK 3710.01 V 106 286 6.63 1/25 14.23 20.60 0.115 30.00 -10.20 </td <td>40</td> <td></td> <td></td> <td>V</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>	40			V									
PION TY2 BPSK 3715.02 V 106 286 6.66 1 / 19 13.59 20.25 0.106 30.00 -9.75 TY2 BPSK 3940.00 V 100 284 6.47 1 / 58 14.43 21.00 0.126 30.00 -9.10 TY2 BPSK 3944.98 V 101 276 6.39 1/39 14.49 20.88 0.122 30.00 -9.10 QPSK 3715.02 V 106 286 6.66 1 / 19 12.83 19.59 0.091 30.00 -10.25 QPSK 3840.00 V 100 284 6.47 1/25 13.17 19.80 0.085 30.00 -10.25 T/2 BPSK 3710.01 V 106 286 6.63 1 / 125 13.44 20.91 0.123 30.00 -9.09 T/2 BPSK 370.01 V 106 286 6.63 1 / 125 13.26 19.89 0.088 30.00 -10.13 </td <td></td>													
TY2 BPSK 3840.00 V 100 224 6.47 1/58 14.53 21.00 0.126 30.00 -9.10 0PSK 3964.38 V 101 276 6.39 1/39 14.49 20.88 0.122 30.00 -9.12 OPSK 3964.38 V 100 224 6.47 1/58 14.53 21.01 0.126 30.00 -9.12 OPSK 3964.38 V 101 276 6.39 1/39 13.36 19.75 0.094 30.00 -10.25 16.0AM 3715.02 V 106 286 6.66 1/19 11.89 18.55 0.072 30.00 -10.25 17/2 BPSK 3840.00 V 100 284 6.47 1/25 14.24 20.91 0.1123 30.00 -9.09 m/2 BPSK 3840.00 V 100 284 6.47 1/25 14.24 20.60 0.115 30.00 -9.26 <tr< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></tr<>													
PM 00 m/2 BPSK 3964.98 V 101 276 6.39 1/39 14.49 20.88 0.122 30.00 -9.12 OPSK 3715.02 V 106 286 6.66 1/19 12.33 19.59 0.091 30.00 -10.41 OPSK 3964.98 V 101 276 6.39 1/39 13.36 19.75 0.094 30.00 -10.25 T/2 BPSK 3964.98 V 101 276 6.39 1/39 13.36 19.75 0.094 30.00 -10.25 T/2 BPSK 3940.00 V 106 286 6.63 1/25 13.17 19.80 0.095 30.00 -10.25 T/2 BPSK 3840.00 V 100 284 6.47 1/25 14.23 20.60 0.115 30.00 -9.40 OPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 +3.55													
Image: Property and the system of t	N												
PION 3964.98 V 101 276 6.39 1/39 13.36 19.75 0.094 30.00 -10.25 IG-GAM 3715.02 V 106 286 6.66 1/19 11.89 10.055 30.00 -11.45 m/2 BPSK 3710.01 V 106 286 6.63 1/125 11.44 20.91 0.123 30.00 -10.25 m/2 BPSK 3840.00 V 100 284 6.47 1/25 14.44 20.91 0.123 30.00 -9.09 m/2 BPSK 3860.99 V 101 276 6.37 1/25 14.28 20.60 0.115 30.00 -9.90 GPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.95 GPSK 396.99 V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.936 30.00 -10.24	μ												
PION 3964.98 V 101 276 6.39 1/39 13.36 19.75 0.094 30.00 -10.25 IG-GAM 3715.02 V 106 286 6.66 1/19 11.89 10.055 30.00 -11.45 m/2 BPSK 3710.01 V 106 286 6.63 1/125 11.44 20.91 0.123 30.00 -10.25 m/2 BPSK 3840.00 V 100 284 6.47 1/25 14.44 20.91 0.123 30.00 -9.09 m/2 BPSK 3860.99 V 101 276 6.37 1/25 14.28 20.60 0.115 30.00 -9.90 GPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.95 GPSK 396.99 V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.936 30.00 -10.24	30												
PIO m/2 BPSK 3710.01 V 106 286 6.63 1/25 13.17 19.80 0.095 30.00 -10.20 m/2 BPSK 3840.00 V 100 284 6.47 1/25 14.44 20.91 0.123 30.00 -9.09 m/2 BPSK 3969.99 V 101 276 6.37 1/25 14.23 20.60 0.015 30.00 -9.09 QPSK 3710.01 V 106 286 6.63 1/25 14.23 20.60 0.018 30.00 -9.09 QPSK 3710.01 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.25 QPSK 3969.99 V 101 276 6.37 1/25 13.06 19.43 0.088 30.00 -10.24 m/2 BPSK 3972.50 V 101 276 6.36 1/19 13.44 19.76 0.092 30.00 -10.75								1 / 39			0.094	30.00	-10.25
PY BPSK 3840.00 V 100 284 6.47 1/25 14.44 20.91 0.123 30.00 -9.09 m/2 BPSK 3369.99 V 101 276 6.37 1/25 14.23 20.60 0.115 30.00 -9.40 QPSK 3710.01 V 106 286 6.63 11/25 14.28 20.60 0.115 30.00 -9.40 QPSK 3710.01 V 106 286 6.63 11/25 14.28 20.75 0.119 30.00 -9.40 QPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.56 16-QAM 3969.99 V 101 276 6.37 1/125 14.48 20.30 0.017 30.00 -9.56 m/2 BPSK 370.51 V 106 286 6.62 1/19 13.14 19.75 0.084 30.00 -10.75													
PIC2 m/2 BPSK 3969.99 V 101 276 6.37 1/25 14.23 20.60 0.115 30.00 -9.40 QPSK 3710.01 V 106 286 6.63 1/25 13.26 19.89 0.098 30.00 -10.11 QPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.25 QPSK 3890.99 V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.25 M/2 BPSK 3840.00 V 106 286 6.62 1/19 13.14 19.76 0.088 30.00 -10.24 m/2 BPSK 3972.50 V 101 276 6.36 1/19 13.34 20.30 0.107 30.00 -9.70 QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.15 <												-	
PI OPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.25 OPSK 3969.99 V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.25 I6-QMM 3969.99 V 101 276 6.37 1/25 13.06 19.43 0.088 30.00 -19.56 m/2 BPSK 370.51 V 106 286 6.62 1/19 13.14 19.76 0.095 30.00 -10.24 m/2 BPSK 3972.50 V 101 276 6.36 1/19 13.34 20.30 0.017 30.00 -9.38 m/2 BPSK 3972.50 V 101 276 6.36 1/19 13.39 20.41 0.110 30.00 -9.38 OPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.082 30.00 -10.38 <t< td=""><td>N</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>-</td><td></td></t<>	N											-	
PI OPSK 3840.00 V 100 284 6.47 1/25 14.28 20.75 0.119 30.00 -9.25 OPSK 3969.99 V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.25 I6-QAM 3969.99 V 101 276 6.37 1/25 13.06 19.43 0.088 30.00 -19.56 m/2 BPSK 370.51 V 106 286 6.62 1/19 13.14 19.76 0.095 30.00 -10.24 m/2 BPSK 397.50 V 101 276 6.36 1/19 13.34 20.30 0.017 30.00 -9.38 QPSK 397.50 V 106 286 6.62 1/19 13.39 20.41 0.110 30.00 -9.38 QPSK 397.50 V 101 276 6.36 1/19 13.30 19.66 0.082 30.00 -10.75	¥												
Product System System V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.56 16-QAM 3969.99 V 101 276 6.37 1/25 14.06 20.44 0.111 30.00 -9.56 m/2 BPSK 3707.51 V 106 286 6.62 1/19 13.14 19.76 0.088 30.00 -10.57 m/2 BPSK 3707.51 V 106 286 6.62 1/19 13.14 19.76 0.085 30.00 -10.57 QPSK 397.50 V 101 276 6.36 1/19 13.34 20.30 0.017 30.00 -9.70 QPSK 3940.00 V 100 286 6.62 1/19 13.33 20.41 0.110 30.00 -9.70 QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.34													
PIC2 m/2 BPSK 3707.51 V 106 286 6.62 1/19 13.14 19.76 0.095 30.00 -10.24 m/2 BPSK 3840.00 V 100 284 6.47 1/28 14.15 20.62 0.115 30.00 -9.38 m/2 BPSK 397.50 V 101 276 6.36 1/19 13.94 20.30 0.007 30.00 -9.38 QPSK 3707.51 V 106 286 6.62 1/19 13.34 19.25 0.084 30.00 -10.75 QPSK 3707.51 V 106 286 6.62 1/19 13.30 19.25 0.084 30.00 -10.75 QPSK 3840.00 V 100 284 6.47 1/28 13.30 19.66 0.092 30.00 -10.34 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.73		QPSK	3969.99			276		1 / 25	14.06	20.44	0.111	30.00	-9.56
T/2 BPSK 3840.00 V 100 284 6.47 1/28 14.15 20.62 0.115 30.00 -9.38 T/2 BPSK 3972.50 V 101 276 6.36 1/19 13.94 20.30 0.107 30.00 -9.70 QPSK 3970.51 V 106 226 6.62 1/19 12.63 19.25 0.084 30.00 -9.70 QPSK 3970.50 V 101 276 6.36 1/19 13.93 20.41 0.110 30.00 -9.70 QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.34 16-QAM 3840.00 V 100 284 6.47 1/28 13.67 20.27 0.106 30.00 -9.71 T/2 BPSK 3705.00 V 100 284 6.47 24/0 13.86 20.34 0.108 30.00 -9.01													
PIC2 BPSK 3972.50 V 101 276 6.36 1/19 13.94 20.30 0.107 30.00 -9.70 QPSK 3707.51 V 106 286 6.62 1/19 12.63 19.25 0.064 30.00 -10.75 QPSK 3707.51 V 106 286 6.62 1/19 12.63 19.25 0.064 30.00 -10.75 QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.34 16-QAM 3840.00 V 100 284 6.47 1/28 12.57 19.04 0.080 30.00 -10.34 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.73 m/2 BPSK 3975.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<>													
QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.34 16-QAM 3840.00 V 100 284 6.47 1/28 12.57 19.04 0.080 30.00 -10.36 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.01 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.01 QPSK 3975.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 QPSK 3940.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.01 QPSK 3940.00 V 100 286 6.60 1/17 14.16 20.51 0.112 30.00 -9.49 GPSK	N												
QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.34 16-QAM 3840.00 V 100 284 6.47 1/28 12.57 19.04 0.080 30.00 -10.36 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.01 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.01 QPSK 3975.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 QPSK 3940.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.01 QPSK 3940.00 V 100 286 6.60 1/17 14.16 20.51 0.112 30.00 -9.49 GPSK	HM												
QPSK 3972.50 V 101 276 6.36 1/19 13.30 19.66 0.092 30.00 -10.34 16-QAM 3840.00 V 100 284 6.47 1/28 12.57 19.04 0.080 30.00 -10.36 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.01 m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.01 QPSK 3975.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 QPSK 3940.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.01 QPSK 3940.00 V 100 286 6.60 1/17 14.16 20.51 0.112 30.00 -9.49 GPSK	15												
m/2 BPSK 3705.00 V 106 286 6.60 1/17 13.67 20.27 0.106 30.00 -9.73 m/2 BPSK 3840.00 V 100 284 6.47 24/0 13.86 20.34 0.108 30.00 -9.73 m/2 BPSK 3975.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 OPSK 3705.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 OPSK 3705.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.01 OPSK 3705.00 V 100 284 6.47 24/0 12.83 19.30 0.085 30.00 -9.49 OPSK 3975.00 V 101 276 6.35 1/17 14.16 20.51 0.112 30.00 -9.49 16-QAM <td></td> <td>QPSK</td> <td></td> <td>V</td> <td>101</td> <td>276</td> <td>6.36</td> <td>1 / 19</td> <td>13.30</td> <td>19.66</td> <td>0.092</td> <td>30.00</td> <td>-10.34</td>		QPSK		V	101	276	6.36	1 / 19	13.30	19.66	0.092	30.00	-10.34
H m/2 BPSK 3840.00 V 100 284 6.47 24 / 0 13.86 20.34 0.108 30.00 -9.66 m/2 BPSK 3975.00 V 101 276 6.35 1 / 17 14.64 20.99 0.126 30.00 -9.01 QPSK 3705.00 V 1016 286 6.60 1 / 17 13.52 20.12 0.103 30.00 -9.01 QPSK 3705.00 V 106 286 6.60 1 / 17 13.52 20.12 0.103 30.00 -9.01 QPSK 3940.00 V 100 284 6.47 24 / 0 12.83 19.30 0.085 30.00 -10.71 QPSK 3975.00 V 101 276 6.35 1 / 17 14.16 20.51 0.112 30.00 -10.81 I6-QAM 3705.00 V 101 276 6.35 1 / 17 14.16 20.51 0.112 30.00 -10.51 <													
Y m/2 BPSK 3975.00 V 101 276 6.35 1/17 14.64 20.99 0.126 30.00 -9.01 OPSK 3705.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.98 OPSK 3740.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.98 OPSK 3840.00 V 100 284 6.47 24/0 12.83 19.30 0.085 30.00 -9.94 In-GAM 3705.00 V 101 276 6.35 1/17 14.16 20.51 0.112 30.00 -9.49 IOPSK (CP-OFDM) 3840.0 V 100 284 6.47 1/204 11.63 18.10 0.065 30.00 -11.51 OPSK (CP-OFDM) 3840.0 H 109 307 6.02 1/136 12.63 18.65 0.073 30.00 -11.90													
QPSK 3705.00 V 106 286 6.60 1/17 13.52 20.12 0.103 30.00 -9.88 QPSK 3840.00 V 100 284 6.47 24/0 12.83 19.30 0.085 30.00 -9.88 QPSK 397.00 V 101 276 6.35 1/17 14.16 20.51 0.112 30.00 -9.49 16-QAM 3705.00 V 106 286 6.60 1/17 12.89 19.49 0.089 30.00 -9.49 0PSK (CP-OFDM) 3840.0 V 106 286 6.60 1/17 12.89 19.49 0.089 30.00 -10.51 QPSK (CP-OFDM) 3840.0 V 100 284 6.47 1/204 11.63 18.65 0.073 30.00 -11.35 100 MHz QPSK (Opposite Pol.) 3840.0 H 109 307 6.02 1/136 12.63 18.65 0.073 30.00	N												
QPSK 3975.00 V 101 276 6.35 1/17 14.16 20.51 0.112 30.00 -9.49 106-QAM 3705.00 V 106 286 6.60 1/17 12.89 19.49 0.089 30.00 -10.51 QPSK (CP-OFDM) 3840.0 V 100 284 6.47 1/204 11.63 18.10 0.065 30.00 -11.59 100 MHz QPSK (Opposite Pot.) 3840.0 H 109 307 6.02 1/136 12.63 18.65 0.073 30.00 -11.59	ΗN												
QPSK 3975.00 V 101 276 6.35 1/17 14.16 20.51 0.112 30.00 -9.49 106-QAM 3705.00 V 106 286 6.60 1/17 12.89 19.49 0.089 30.00 -10.51 QPSK (CP-OFDM) 3840.0 V 100 284 6.47 1/204 11.63 18.10 0.065 30.00 -11.59 100 MHz QPSK (Opposite Pot.) 3840.0 H 109 307 6.02 1/136 12.63 18.65 0.073 30.00 -11.59	6												
16-QAM 3705.00 V 106 286 6.60 1 / 17 12.89 19.49 0.089 30.00 -10.51 QPSK (CP-OFDM) 3840.0 V 100 284 6.47 1/204 11.63 18.10 0.065 30.00 -11.90 100 MHz QPSK (Opposite Pol.) 3840.0 H 109 307 6.02 1/136 12.63 18.65 0.073 30.00 -11.35													
100 MHz QPSK (Opposite Pol.) 3840.0 H 109 307 6.02 1/136 12.63 18.65 0.073 30.00 -11.35													
QPSK (WCP) 3840.0 V 100 284 6.47 1/68 12.94 19.41 0.087 30.00 -10.59	100 MHz												

Table 7-11. EIRP Data (NR Band n77 – C-Band-SRS-1-Ant F)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dage 149 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 148 of 179
© 2022 PCTEST				V3.0.1/6/2022



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
MHz	π/2 BPSK	3500.01	V	101	352	7.16	1 / 204	3.89	11.05	0.013	33.01	-21.96
	QPSK	3500.01	V	101	352	7.16	1 / 204	4.01	11.17	0.013	33.01	-21.84
100	16-QAM	3500.01	V	101	352	7.16	1 / 204	3.18	10.34	0.011	33.01	-22.67
	QPSK (CP-OFDM)	3500.0	V	101	352	7.16	1/204	1.73	8.89	0.008	33.01	-24.12
100 MHz	QPSK (Opposite Pol.)	3500.0	Н	204	14	7.74	1/204	2.22	9.96	0.010	33.01	-23.05
	QPSK (WCP)	3500.0	V	101	352	7.16	1/204	0.11	7.27	0.005	33.01	-25.74

Table 7-12. EIRP Data (NR Band n77 (DoD) - SRS-2-Ant H)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
	π/2 BPSK	3750.00	V	100	358	6.83	1 / 68	8.40	15.23	0.033	33.01	-17.78
	π/2 BPSK	3840.00	V	106	349	6.47	1 / 136	6.01	12.48	0.018	33.01	-20.53
MHz	π/2 BPSK	3930.00	V	111	365	6.49	1 / 204	5.15	11.64	0.015	33.01	-21.37
	QPSK	3750.00	V	100	358	6.83	1 / 68	7.79	14.62	0.029	33.01	-18.39
100	QPSK	3840.00	V	106	349	6.47	1 / 136	6.05	12.52	0.018	33.01	-20.49
	QPSK	3930.00	V	111	365	6.49	1 / 136	5.10	11.59	0.014	33.01	-21.42
	16-QAM	3750.00	V	100	358	6.83	1 / 68	7.23	14.06	0.025	33.01	-18.95
	QPSK (CP-OFDM)	3750.0	V	100	358	6.83	1/68	6.47	13.30	0.021	33.01	-19.71
100 MHz	QPSK (Opposite Pol.)	3750.0	Н	197	15	5.98	1/68	6.78	12.76	0.019	33.01	-20.25
	QPSK (WCP)	3750.0	V	100	358	6.83	1/68	5.44	12.27	0.017	33.01	-20.74

Table 7-13. EIRP Data (NR Band n77 – C-Band- SRS-2-Ant H)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
μz	π/2 BPSK	3500.01	V	109	90	7.16	1 / 68	8.16	15.32	0.034	33.01	-17.69
0 MH	QPSK	3500.01	V	109	90	7.16	1 / 68	8.79	15.95	0.039	33.01	-17.06
100	16-QAM	3500.01	V	109	90	7.16	1 / 68	7.32	14.48	0.028	33.01	-18.53
	QPSK (CP-OFDM)	3500.0	V	109	90	7.16	1 / 68	5.93	13.09	0.020	33.01	-19.92
100 MHz	QPSK (Opposite Pol.)	3500.0	Н	123	1	7.16	1 / 68	5.87	13.03	0.020	33.01	-19.98
	QPSK (WCP)	3500.0	Н	264	219	7.16	1 / 68	6.24	13.40	0.022	33.01	-19.61

Table 7-14. EIRP Data (NR Band n77 (DoD) - SRS-3-Ant C)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
	π/2 BPSK	3750.00	V	123	84	6.83	1 / 136	6.54	13.37	0.022	33.01	-19.64
	π/2 BPSK	3840.00	V	122	112	6.47	1 / 68	5.54	12.01	0.016	33.01	-21.00
MHz	π/2 BPSK	3930.00	V	101	100	6.49	1 / 68	3.85	10.34	0.011	33.01	-22.67
	QPSK	3750.00	V	123	84	6.83	1 / 136	6.76	13.59	0.023	33.01	-19.42
100	QPSK	3840.00	V	122	112	6.47	1 / 68	5.35	11.82	0.015	33.01	-21.19
	QPSK	3930.00	V	101	100	6.49	1 / 68	3.75	10.24	0.011	33.01	-22.77
	16-QAM	3750.00	V	123	84	6.83	1 / 136	3.93	10.76	0.012	33.01	-22.25
	QPSK (CP-OFDM)	3750.0	V	123	84	6.83	1 / 136	4.83	11.66	0.015	33.01	-21.35
100 MHz	QPSK (Opposite Pol.)	3750.0	Н	211	36	6.83	1 / 136	4.55	11.38	0.014	33.01	-21.63
	QPSK (WCP)	3750.0	V	236	99	6.83	1 / 136	6.03	12.86	0.019	33.01	-20.15

Table 7-15. EIRP Data (NR Band n77 – C-Band- SRS-3-Ant C)

FCC ID: A3LSMS906E	PCTEST. Preud to be part of Setement	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager			
Test Report S/N:	Test Dates:	EUT Type:	Dogo 140 of 170			
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 149 of 179			
© 2022 PCTEST						

2 PCTES



Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
MHz	π/2 BPSK	3500.01	119	119	34	7.74	1 / 68	5.62	13.36	0.022	33.01	-19.65
N N N	QPSK	3500.01	119	119	34	7.74	1 / 68	5.59	13.33	0.022	33.01	-19.68
100	16-QAM	3500.01	119	119	34	7.74	1 / 68	4.30	12.04	0.016	33.01	-20.97
	QPSK (CP-OFDM)	3500.0	Н	119	34	7.74	1/68	3.77	11.51	0.014	33.01	-21.50
100 MHz	QPSK (Opposite Pol.)	3500.0	V	101	355	7.16	1/68	5.24	12.40	0.017	33.01	-20.61
	QPSK (WCP)	3500.0	Н	338	370	7.74	1/68	-0.29	7.45	0.006	33.01	-25.56

Table 7-16. EIRP Data (NR Band n77 (DoD) - SRS-4-Ant D)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
	π/2 BPSK	3750.00	Н	119	345	5.98	1 / 68	7.95	13.93	0.025	33.01	-19.08
	π/2 BPSK	3840.00	Н	102	358	6.02	1 / 68	5.61	11.63	0.015	33.01	-21.38
MHz	π/2 BPSK	3930.00	Н	100	356	5.99	1 / 68	5.81	11.80	0.015	33.01	-21.21
	QPSK	3750.00	Н	119	345	5.98	1 / 68	7.27	13.25	0.021	33.01	-19.76
100	QPSK	3840.00	Н	102	358	6.02	1 / 68	4.87	10.89	0.012	33.01	-22.12
	QPSK	3930.00	Н	100	356	5.99	1 / 68	5.05	11.04	0.013	33.01	-21.97
	16-QAM	3750.00	Н	119	345	5.98	1 / 68	6.46	12.44	0.018	33.01	-20.57
	QPSK (CP-OFDM)	3750.0	Н	119	345	5.98	1/68	6.23	12.21	0.017	33.01	-20.80
100 MHz	QPSK (Opposite Pol.)	3750.0	V	216	222	6.83	1/68	6.35	13.18	0.021	33.01	-19.83
	QPSK (WCP)	3750.0	Н	378	4	5.98	1/68	-5.32	0.66	0.001	33.01	-32.35

Table 7-17. EIRP Data (NR Band n77 – C-Band- SRS-4-Ant D)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 150 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Fage 150 01 179
© 2022 PCTEST				\/3.0.1/6/2022



7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 - Section 5.8

Test Settings

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

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	UNG	Approved by: Technical Manager		
Test Report S/N:	Test Dates:	EUT Type:	ИТ Туре:			
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 151 of 179		
© 2022 PCTEST						

All rights reserved. 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 PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.



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

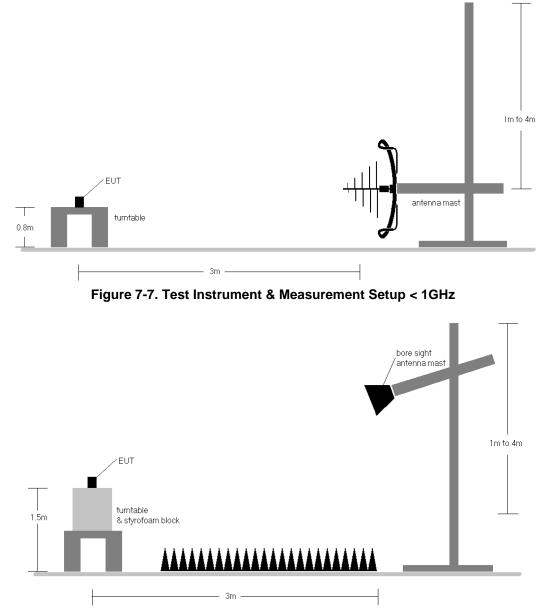


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dega 152 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 152 of 179
© 2022 PCTEST				V3.0 1/6/2022



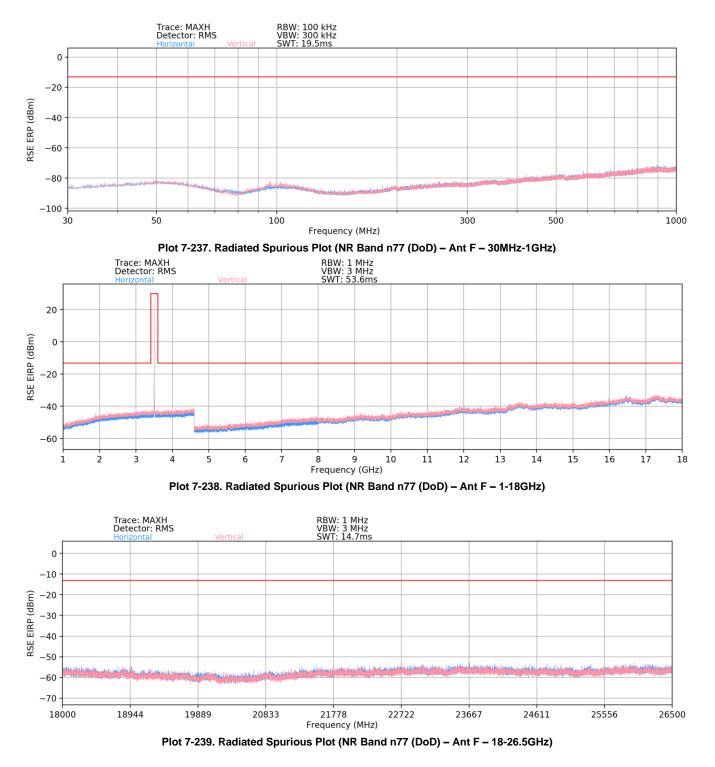
- Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 b) E(dBµV/m) = Measured amplitude level (dBm) + 107 + Cable Loss (dB) + Antenna Factor (dB/m)
 d) EIRP (dBm) = E(dBµV/m) + 20logD 104.8; where D is the measurement distance in meters.
- 2) The EUT 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.
- 3) This unit was tested with its standard battery.
- 4) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
- 5) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 6) 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.
- 7) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 8) 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.
- 9) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device, is subject to the rules under which the NR carrier operates. Spurious emission caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 152 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 153 of 179
© 2022 PCTEST		•		\/3.0.1/6/2022

All rights reserved. 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 PCTEST. If you have any questions about this international copyright or have an enquiry about obtaining additional rights to this report or assembly of contents thereof, please contact INFO@PCTEST.COM.

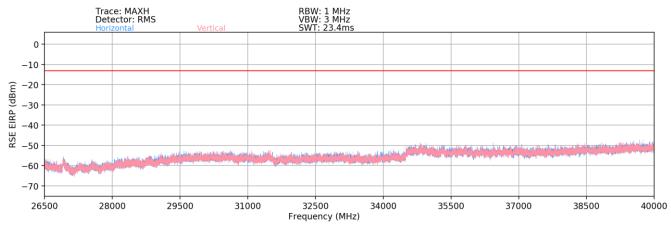


NR Band n77 (DoD Band) - SRS-1- Ant F



FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	2:	
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 154 of 179
© 2022 PCTEST	-			V3.0 1/6/2022







100
3500.01
1/136
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]
7000.02	V	-	-	-74.44	15.72	48.28	-46.98	-13.00	-33.98
10500.03	V	-	-	-75.84	21.69	52.85	-42.41	-13.00	-29.41
14000.04	V	-	-	-76.00	27.21	58.21	-37.05	-13.00	-24.05

Table 7-18. Radiated Spurious Data (NR Band n77 (DoD) - Mid Channel - Ant F)

Case:	w/ Wireless Charging Pad			
Bandwidth (MHz):	100			
Frequency (MHz):	3500.01			
RB / Offset:	1/136			
Mode:	Stand Alone			
Anchor Band:	-			

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]
7000.02	V	-	-	-74.43	15.72	48.29	-46.97	-13.00	-33.97
10500.03	V	-	-	-75.69	21.69	53.00	-42.26	-13.00	-29.26
14000.04	V	-	-	-75.82	27.21	58.39	-36.87	-13.00	-23.87

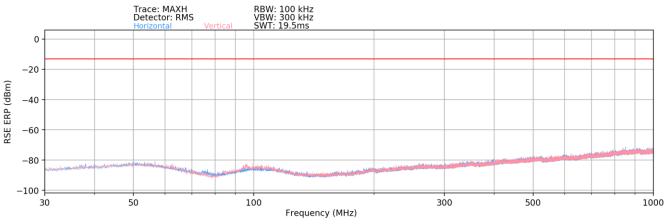
Table 7-19. Radiated Spurious Data with WCP (NR Band n77 (DoD) - Ant F)

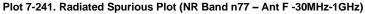
FCC ID: A3LSMS906E	PCTEST Proud to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 155 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 155 of 179
© 2022 PCTEST	•		V3.0 1/6/2022

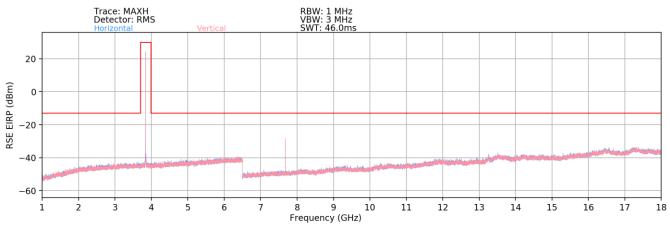
2022 PCTEST



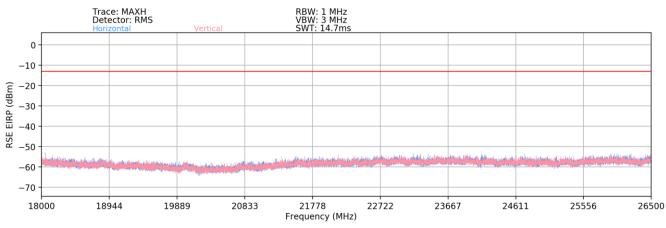
NR Band n77 – C-Band-SRS-1-Ant F

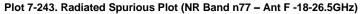






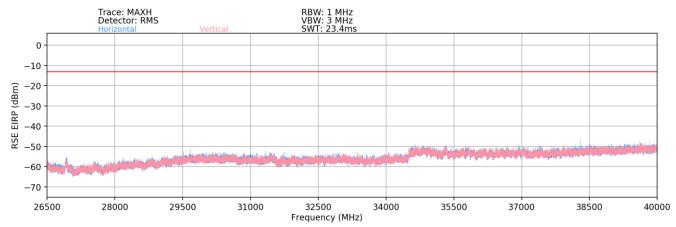


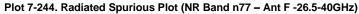




FCC ID: A3LSMS906E	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 156 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 156 01 179
© 2022 PCTEST			V3.0 1/6/2022







Bandwidth (MHz):	100
Frequency (MHz):	3750.00
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]
7500.00	V	133	329	-54.05	16.51	69.46	-25.80	-13.00	-12.80
11250.00	V	-	-	-79.17	21.70	49.53	-45.73	-13.00	-32.73
15000.00	V	-	-	-78.11	27.76	56.65	-38.61	-13.00	-25.61
18750.00	V	-	-	-58.02	1.27	50.25	-54.55	-13.00	-41.55

Table 7-20. Radiated Spurious Data (NR Band n77 - Low Channel - Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
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]
7680.00	V	115	329	-55.67	16.64	67.97	-27.29	-13.00	-14.29
11520.00	V	-	-	-76.79	23.03	53.24	-42.01	-13.00	-29.01
15360.00	V	-	-	-78.71	28.13	56.42	-38.83	-13.00	-25.83
19200.00	V	-	-	-57.22	1.73	51.51	-53.29	-13.00	-40.29

Table 7-21. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant F)

FCC ID: A3LSMS906E	PCTEST Proud to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 157 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 157 of 179
© 2022 PCTEST	•	•		V3.0.1/6/2022



Bandwidth (MHz):	100
Frequency (MHz):	3930.00
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]
7860.00	V	131	5	-62.46	16.77	61.31	-33.95	-13.00	-20.95
11790.00	V	-	-	-77.18	22.57	52.39	-42.86	-13.00	-29.86
15720.00	V	-	-	-79.09	29.09	57.00	-38.26	-13.00	-25.26
19650.00	V	-	-	-58.29	2.16	50.87	-53.93	-13.00	-40.93

Table 7-22. Radiated Spurious Data (NR Band n77 – High Channel – Ant F)

w/ Wireless Charging Pad
100
3750.00
1/136
Stand Alone
-

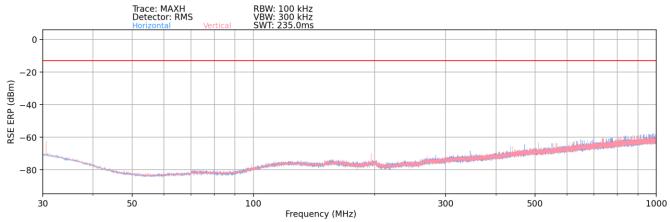
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	V	321	152	-57.72	16.51	65.79	-29.47	-13.00	-16.47
11250.00	V	-	-	-77.18	21.70	51.52	-43.74	-13.00	-30.74
15000.00	V	-	-	-79.63	27.76	55.13	-40.13	-13.00	-27.13
18750.00	V	-	-	-57.95	1.27	50.32	-54.48	-13.00	-41.48

Table 7-23. Radiated Spurious Data with WCP (NR Band n77 – Ant F)

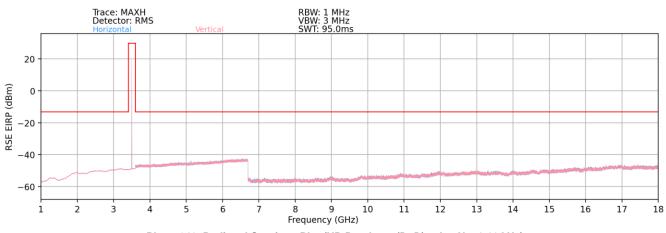
FCC ID: A3LSMS906E	PCTEST. Preud to be part of Setement	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 159 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 158 of 179
© 2022 PCTEST	•		V3.0.1/6/2022



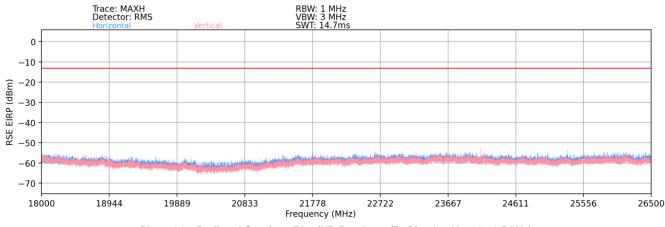
NR Band n77 (DoD Band) – SRS-2 - Ant H







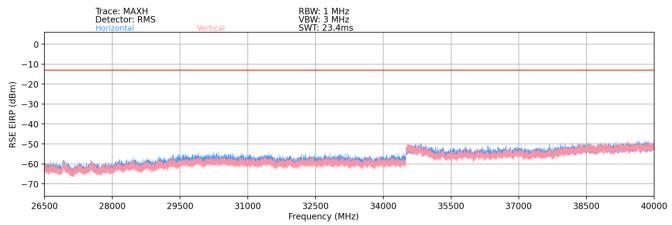






FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 150 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 159 of 179
© 2022 PCTEST		•		V3.0 1/6/2022







Bandwidth (MHz):	50
Frequency (MHz):	3500.01
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7000.02	V	319	0	-76.94	7.82	37.88	-57.37	-13.00	-44.37
10500.03	V	-	-	-79.41	11.39	38.98	-56.27	-13.00	-43.27
14000.04	V	243	280	-77.94	14.35	43.41	-51.85	-13.00	-38.85
17500.05	V	-	-	-79.06	17.73	45.67	-49.59	-13.00	-36.59
21000.06	V	-	-	-57.17	-6.59	43.24	-61.56	-13.00	-48.56
24500.07	V	-	-	-57.80	-6.18	43.02	-61.78	-13.00	-48.78
28000.08	V	-	-	-57.12	-5.68	44.20	-60.60	-13.00	-47.60
	Table 7.04 Dedicted Countered Date (ND Dand #77 (DeD) Mid Chemnel Ant II)								

Table 7-24. Radiated Spurious Data (NR Band n77 (DoD) - Mid Channel - Ant H)

Case:	WPT
Bandwidth (MHz):	100
Frequency (MHz):	3500.0
RB / Offset:	1 / 136
Mode:	SA
Anchor Band:	N/A

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]
7000.02	V	214	114	-77.14	7.82	37.68	-57.57	-13.00	-44.57
10500.03	V	-	-	-80.14	11.39	38.25	-57.00	-13.00	-44.00
14000.04	V	-	-	-78.36	14.35	42.99	-52.27	-13.00	-39.27
17500.05	V	-	-	-80.11	17.73	44.62	-50.64	-13.00	-37.64
21000.06	V	-	-	-57.41	-6.59	43.00	-61.80	-13.00	-48.80
24500.07	V	-	-	-57.88	-6.18	42.94	-61.86	-13.00	-48.86
28000.08	V	-	-	-56.98	-5.68	44.34	-60.46	-13.00	-47.46

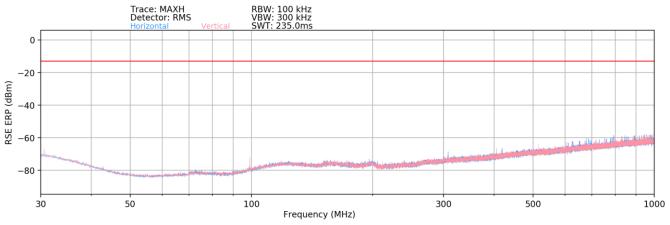
Table 7-25. Radiated Spurious Data with WCP (NR Band n77 (DoD) - Ant H)

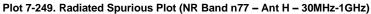
FCC ID: A3LSMS906E	PCTEST Proud to be part of @ stemment	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 160 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Fage 100 01 179
© 2022 PCTEST	<u>.</u>		V3.0 1/6/2022

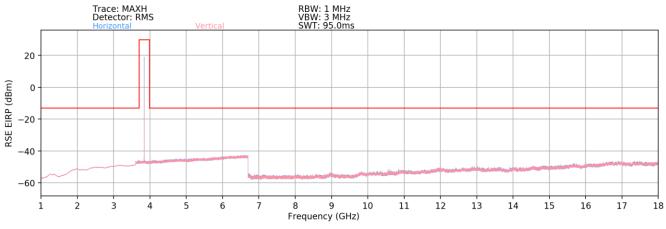
2022 PCTEST

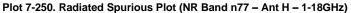


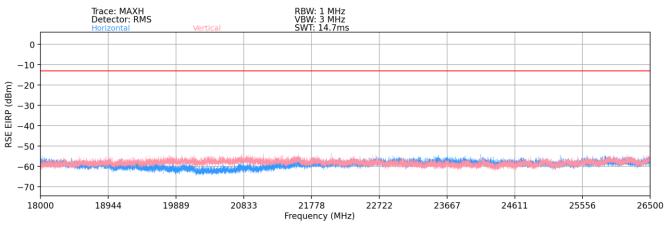
NR Band n77 – C-Band – SRS-2-Ant H







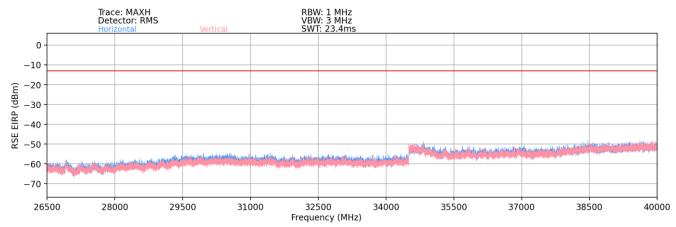


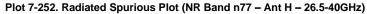


Plot 7-251. Radiated Spurious Plot (NR Band n77 – Ant H – 18-26.5GHz)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 161 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 161 of 179
© 2022 PCTEST	•	·	V3.0 1/6/2022







Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7500.00	V	241	31	-71.69	8.35	43.66	-51.60	-13.00	-38.60
11250.00	V	-	-	-79.38	12.39	40.01	-55.25	-13.00	-42.25
15000.00	V	-	-	-78.49	15.39	43.90	-51.36	-13.00	-38.36
18750.00	V	-	-	-58.44	-8.27	40.29	-64.51	-13.00	-51.51
22500.00	V	-	-	-57.86	-6.55	42.59	-62.21	-13.00	-49.21
26250.00	V	-	-	-57.65	-5.66	43.70	-61.10	-13.00	-48.10
30000.00	V	-	-	-56.82	-3.58	46.60	-58.20	-13.00	-45.20

Table 7-26. Radiated Spurious Data (NR Band n77 - Low Channel - Ant H)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7680.00	V	262	25	-73.29	7.53	41.24	-54.02	-13.00	-41.02
11520.00	V	-	-	-79.21	12.86	40.65	-54.61	-13.00	-41.61
15360.00	V	-	-	-79.31	15.97	43.66	-51.60	-13.00	-38.60
19200.00	V	-	-	-58.19	-7.81	41.00	-63.80	-13.00	-50.80
23040.00	V	-	-	-58.07	-6.58	42.35	-62.45	-13.00	-49.45
26880.00	V	-	-	-57.53	-5.56	43.91	-60.89	-13.00	-47.89
30720.00	V	-	-	-57.26	-3.40	46.34	-58.46	-13.00	-45.46

Table 7-27. Radiated Spurious Data (NR Band n77 – Mid Channel – Ant H)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 162 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022 Portable Handset			Page 162 of 179
© 2022 PCTEST				V3.0 1/6/2022



Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7860.00	V	244	33	-74.29	8.10	40.81	-54.45	-13.00	-41.45
11790.00	V	-	-	-79.32	13.19	40.87	-54.39	-13.00	-41.39
15720.00	V	-	-	-80.14	17.00	43.86	-51.39	-13.00	-38.39
19650.00	V	-	-	-57.48	-7.38	42.14	-62.66	-13.00	-49.66
23580.00	V	-	-	-58.22	-6.59	42.19	-62.61	-13.00	-49.61
27510.00	V	-	-	-56.00	-5.17	45.83	-58.97	-13.00	-45.97
31440.00	V	-	-	-56.17	-3.22	47.61	-57.19	-13.00	-44.19

Table 7-28. Radiated Spurious Data (NR Band n77 – High Channel – Ant H)

Case:	WPT
Bandwidth (MHz):	100
Frequency (MHz):	3930.0
RB / Offset:	1 / 136
Mode:	WPT
Anchor Band:	N/A

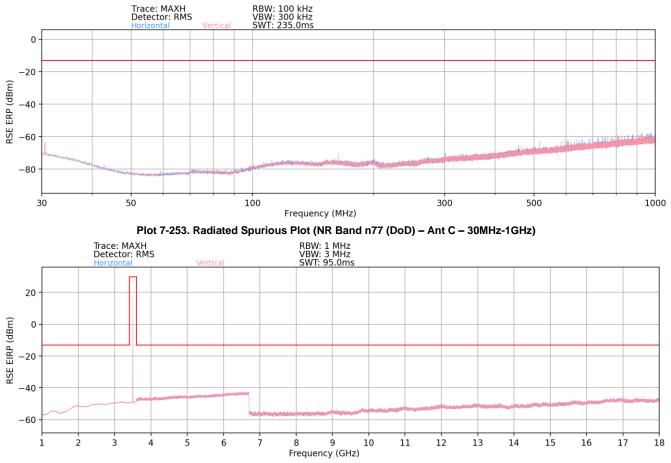
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	V	-	-	-74.59	8.10	40.51	-54.75	-13.00	-41.75
11790.00	V	-	-	-80.10	13.19	40.09	-55.17	-13.00	-42.17
15720.00	V	-	-	-81.01	17.00	42.99	-52.26	-13.00	-39.26
19650.00	V	-	-	-58.21	-7.38	41.41	-63.39	-13.00	-50.39
23580.00	V	-	-	-58.42	-6.59	41.99	-62.81	-13.00	-49.81
27510.00	V	-	-	-56.42	-5.17	45.42	-59.38	-13.00	-46.38
31440.00	V	-	-	-56.72	-3.22	47.07	-57.73	-13.00	-44.73

Table 7-29. Radiated Spurious Data with WCP (NR Band n77 – Ant H)

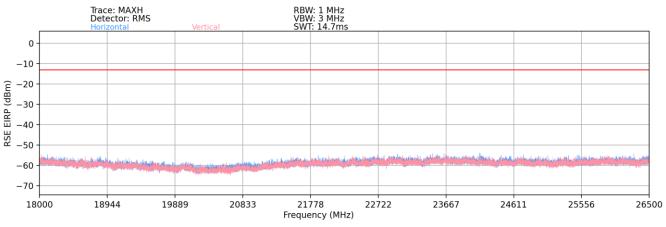
FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 162 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	02/01/2022 - 02/28/2022 Portable Handset		Page 163 of 179
© 2022 PCTEST	•			V3.0 1/6/2022



NR Band n77 (DoD Band) - SRS-3- Ant C



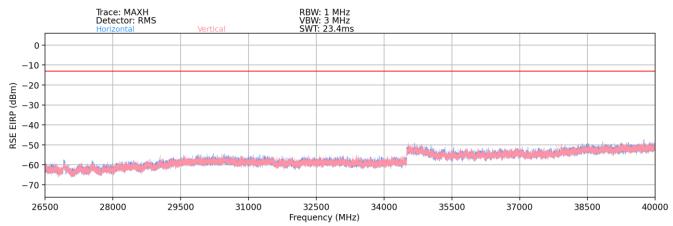




Plot 7-255. Radiated Spurious Plot (NR Band n77 (DoD) - Ant C - 18-26.5GHz)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Dogo 164 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022 Portable Handset			Page 164 of 179
© 2022 PCTEST	•			V3.0 1/6/2022







Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7000.02	V	118	118	-74.62	7.82	40.20	-55.05	-13.00	-42.05
10500.03	V	-	-	-77.87	11.39	40.52	-54.73	-13.00	-41.73
14000.04	V	-	-	-77.52	14.35	43.83	-51.43	-13.00	-38.43
17500.05	V	-	-	-77.30	17.73	47.43	-47.83	-13.00	-34.83
21000.06	V	-	-	-61.79	-6.59	38.62	-66.18	-13.00	-53.18
24500.07	V	-	-	-60.36	-6.18	40.46	-64.34	-13.00	-51.34
28000.08	V	-	-	-60.37	-5.68	40.95	-63.85	-13.00	-50.85
31500.09	V	-	-	-60.93	-2.84	43.23	-61.57	-13.00	-48.57
	Table 7-20	Padiated Snu	rique Data /I	NP Band n	77 (DoD) -	Mid Chann	ol - Ant C)		

Table 7-30. Radiated Spurious Data (NR Band n77 (DoD) - Mid Channel - Ant C)

Case:	WCP
Bandwidth (MHz):	100
Frequency (MHz):	3500.01
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

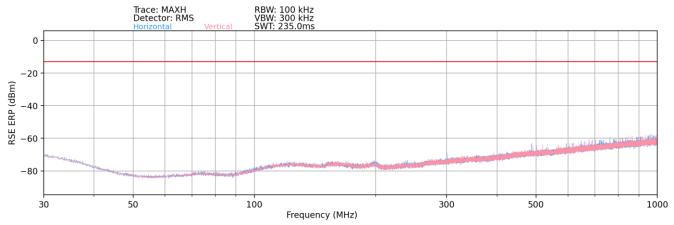
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7000.02	V	304	5	-74.12	7.82	40.70	-54.55	-13.00	-41.55
10500.03	V	-	-	-77.58	11.39	40.81	-54.44	-13.00	-41.44
14000.04	V	-	-	-77.18	14.35	44.17	-51.09	-13.00	-38.09
17500.05	V	-	-	-79.13	17.73	45.60	-49.66	-13.00	-36.66

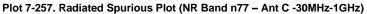
Table 7-31. Radiated Spurious Data with WCP (NR Band n77 (DoD) - Ant C)

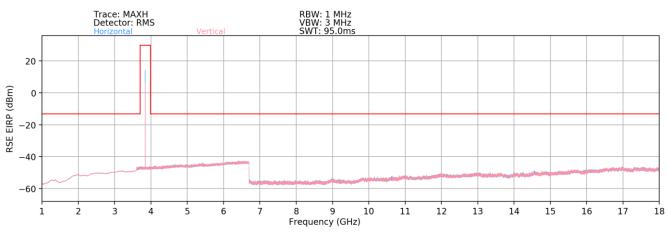
FCC ID: A3LSMS906E	PCTEST* Proud to be part of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Page 165 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 165 01 179
© 2022 PCTEST	•	•	V3.0 1/6/2022

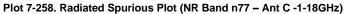


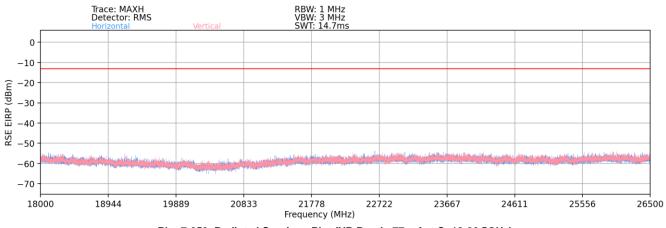
NR Band n77 - C-Band- SRS-3-Ant C

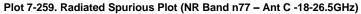






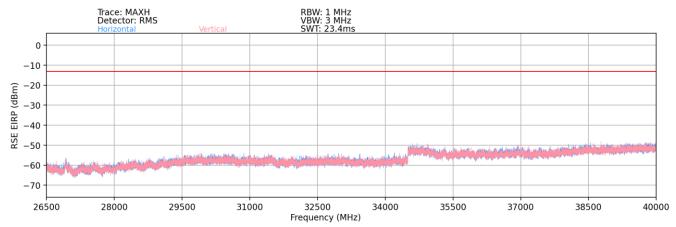


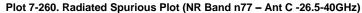




FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dogo 166 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 166 of 179
© 2022 PCTEST	•		V3.0 1/6/2022







Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7500.00	V	212	37	-74.78	8.35	40.57	-54.69	-13.00	-41.69
11250.00	V	-	-	-78.44	12.39	40.95	-54.31	-13.00	-41.31
15000.00	V	222	6	-74.35	15.39	48.04	-47.22	-13.00	-34.22
18750.00	V	-	-	-60.47	-8.27	38.26	-66.54	-13.00	-53.54
22500.00	V	-	-	-60.35	-6.55	40.10	-64.70	-13.00	-51.70
26250.00	V	-	-	-60.18	-5.66	41.17	-63.63	-13.00	-50.63
30000.00	V	-	-	-59.11	-3.58	44.32	-60.48	-13.00	-47.48
33750.00	V	-	-	-58.55	-2.90	45.55	-59.25	-13.00	-46.25
	Table 7-	32. Radiated	Spurious Dat	a (NR Band	l n77 – Lov	v Channel ·	– Ant C)		

Table 7-32. Radiated Spurious	Data (NR Band n77	' – Low Channel – Ant C)
-------------------------------	-------------------	--------------------------

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7680.00	V	323	63	-73.76	7.53	40.77	-54.49	-13.00	-41.49
11520.00	V	-	-	-79.69	12.86	40.17	-55.09	-13.00	-42.09
15360.00	V	223	322	-73.33	15.97	49.64	-45.62	-13.00	-32.62
19200.00	V	-	-	-59.61	-7.81	39.57	-65.23	-13.00	-52.23
23040.00	V	-	-	-60.79	-6.58	39.63	-65.17	-13.00	-52.17
26880.00	V	-	-	-59.76	-5.56	41.68	-63.12	-13.00	-50.12
30720.00	V	-	-	-61.53	-3.40	42.07	-62.73	-13.00	-49.73
34560.00	V	-	-	-58.53	-2.60	45.86	-58.94	-13.00	-45.94

Table 7-33. Radiated Spurious Data (NR Band n77 - Mid Channel - Ant C)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager	
Test Report S/N:	Test Dates:	EUT Type:		Dogo 167 of 170	
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset		Page 167 of 179	
© 2022 PCTEST				V3.0 1/6/2022	

2 PCTES



Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7860.00	V	-	-	-77.24	8.10	37.86	-57.40	-13.00	-44.40
11790.00	V	272	353	-79.69	13.19	40.50	-54.76	-13.00	-41.76
15720.00	V	-	-	-79.60	17.00	44.40	-50.85	-13.00	-37.85
19650.00	V	-	-	-59.81	-7.38	39.81	-64.99	-13.00	-51.99
23580.00	V	-	-	-59.66	-6.59	40.75	-64.05	-13.00	-51.05
27510.00	V	-	-	-60.01	-5.17	41.82	-62.98	-13.00	-49.98
31440.00	V	-	-	-60.99	-3.22	42.79	-62.01	-13.00	-49.01
35370.00	V	-	-	-59.03	-2.31	45.66	-59.14	-13.00	-46.14

Table 7-34. Radiated Spurious Data (NR Band n77 – High Channel – Ant C)

Case:	WPT	
Bandwidth (MHz):	100	
Frequency (MHz):	3840.0	
RB / Offset:	1 / 136	
Mode:	Stand Alone	
Anchor Band:	N/A	

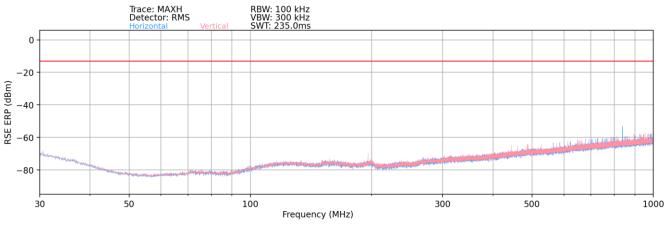
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	V	-	-	-75.21	7.53	39.32	-55.94	-13.00	-42.94
11520.00	V	-	-	-79.82	12.86	40.04	-55.22	-13.00	-42.22
15360.00	V	-	-	-76.66	15.97	46.31	-48.95	-13.00	-35.95
19200.00	V	-	-	-58.99	-7.81	40.20	-64.60	-13.00	-51.60
23040.00	V	-	-	-58.64	-6.58	41.78	-63.02	-13.00	-50.02
26880.00	V	-	-	-61.32	-5.56	40.12	-64.68	-13.00	-51.68
30720.00	V	-	-	-61.22	-3.40	42.38	-62.42	-13.00	-49.42
34560.00	V	-	-	-59.45	-2.60	44.95	-59.85	-13.00	-46.85

Table 7-35. Radiated Spurious Data with WCP (NR Band n77 – Ant C)

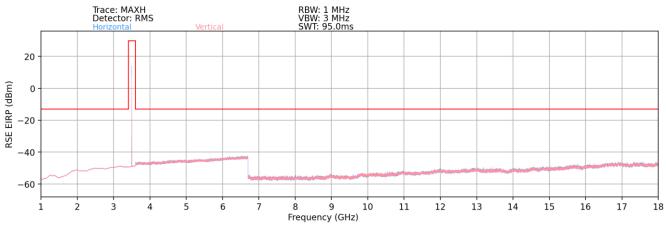
FCC ID: A3LSMS906E	PCTEST. Preud to be pcst of @ element	PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	SAMSUNG	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:		Page 168 of 179
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	ble Handset	
© 2022 PCTEST	•	•		V3.0 1/6/2022



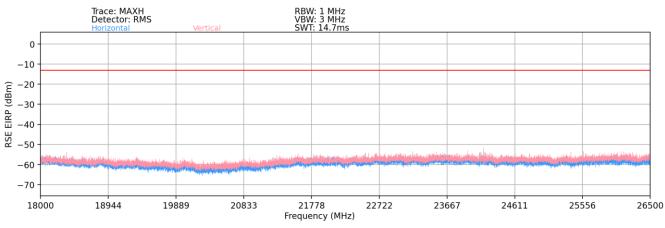
NR Band n77 (DoD Band) – SRS-4- Ant D











Plot 7-263. Radiated Spurious Plot (NR Band n77 (DoD) - Ant D - 18-26.5GHz)

FCC ID: A3LSMS906E		PART 27 MEASUREMENT REPORT CLASS II PERMISSIVE CHANGE	Approved by: Technical Manager
Test Report S/N:	Test Dates:	EUT Type:	Dage 160 of 170
1M2202030009-03.A3L	02/01/2022 - 02/28/2022	Portable Handset	Page 169 of 179
© 2022 PCTEST			V3.0 1/6/2022