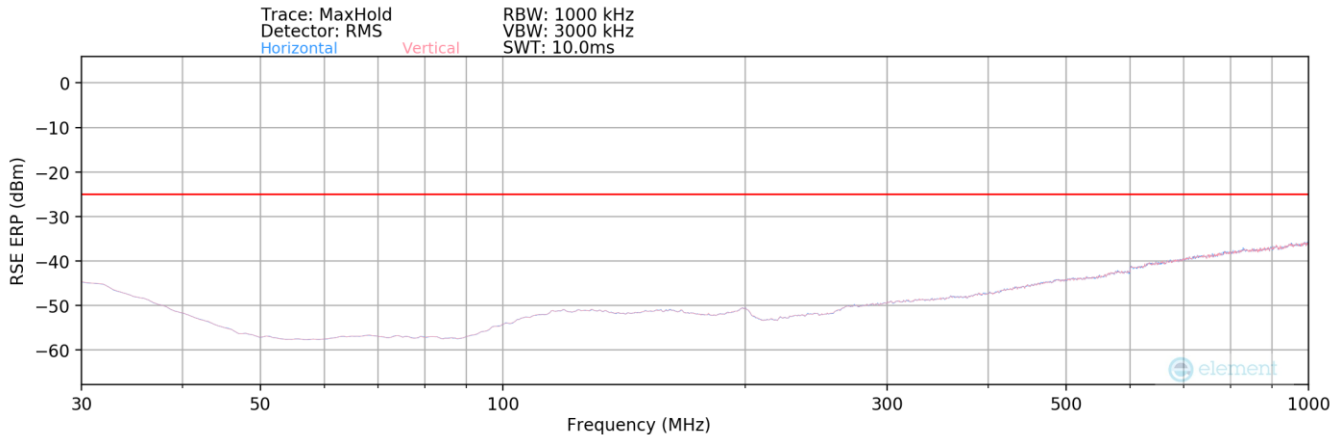
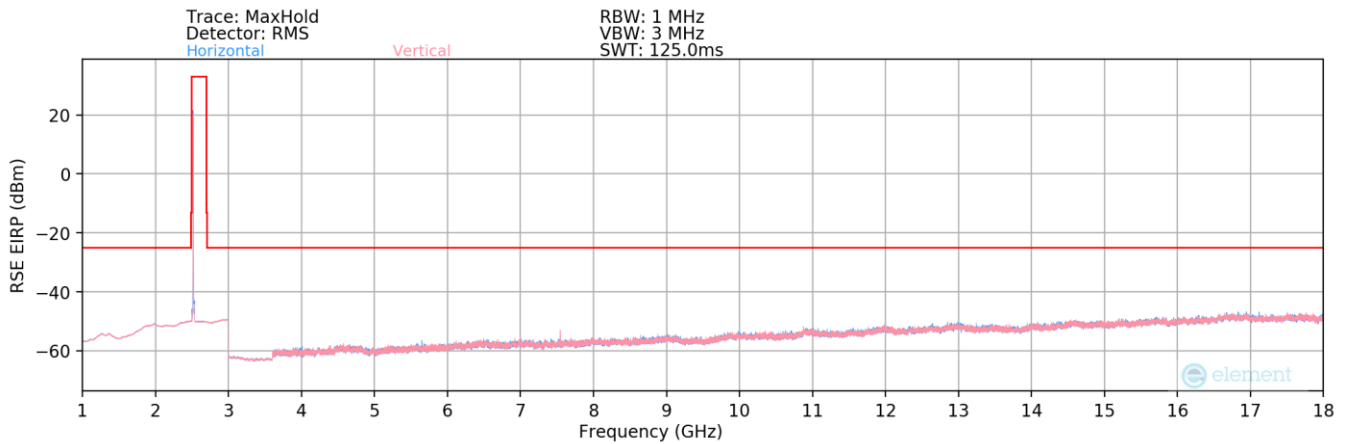


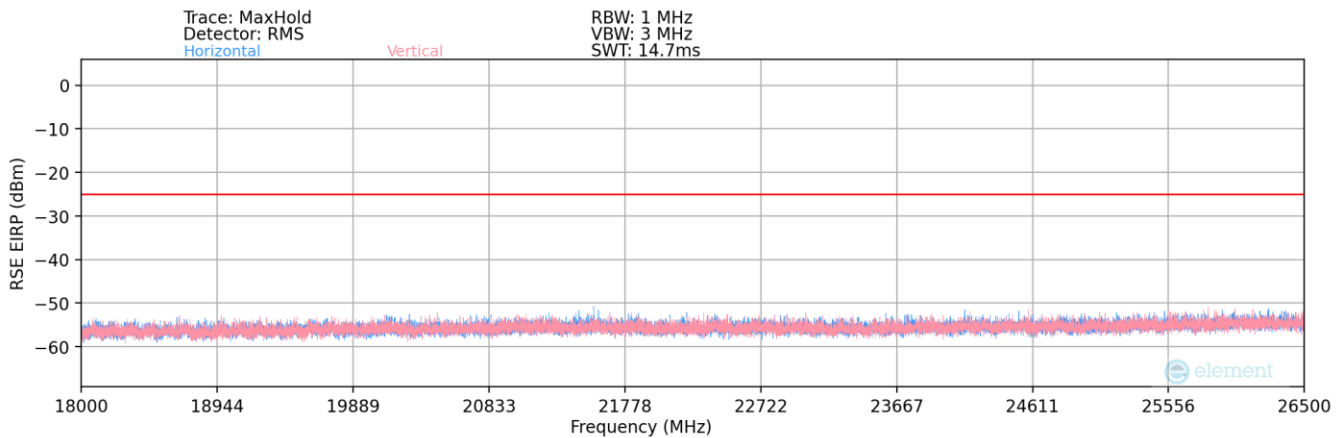
ULCA - LTE B41(PC2) – Ant B



Plot 7-535. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel – Ant B)

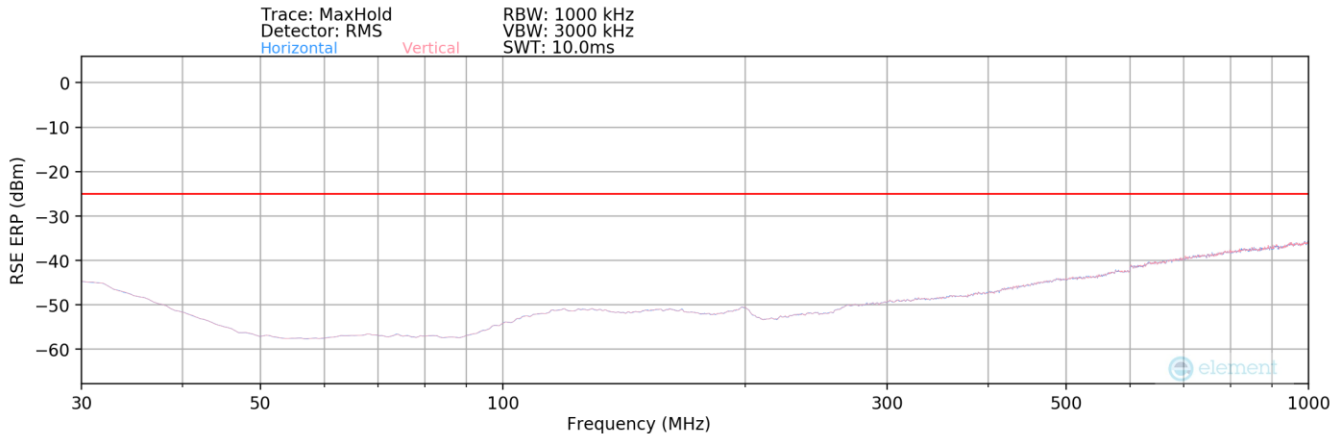


Plot 7-536. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel – Ant B)

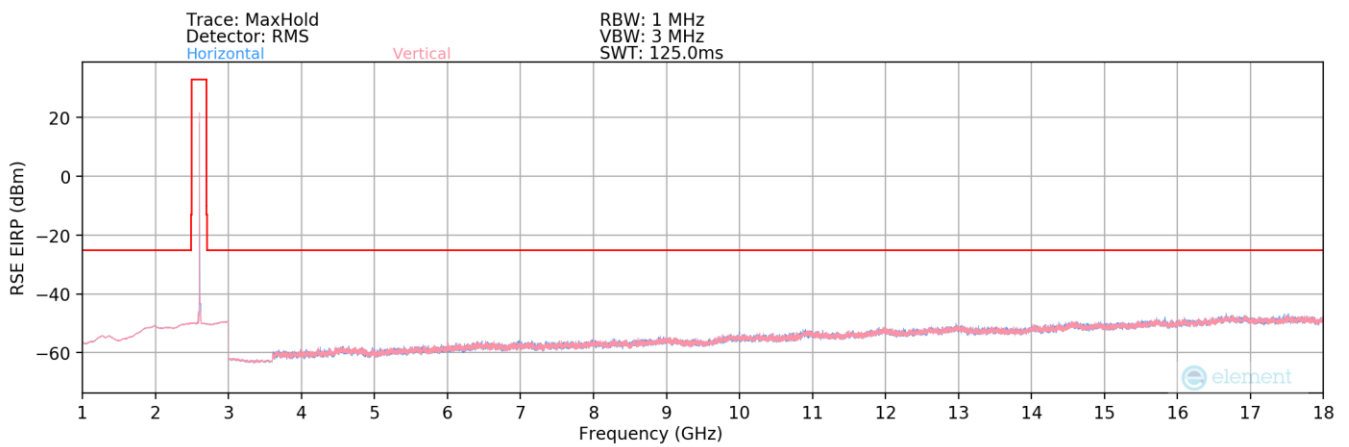


Plot 7-537. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel – Ant B)

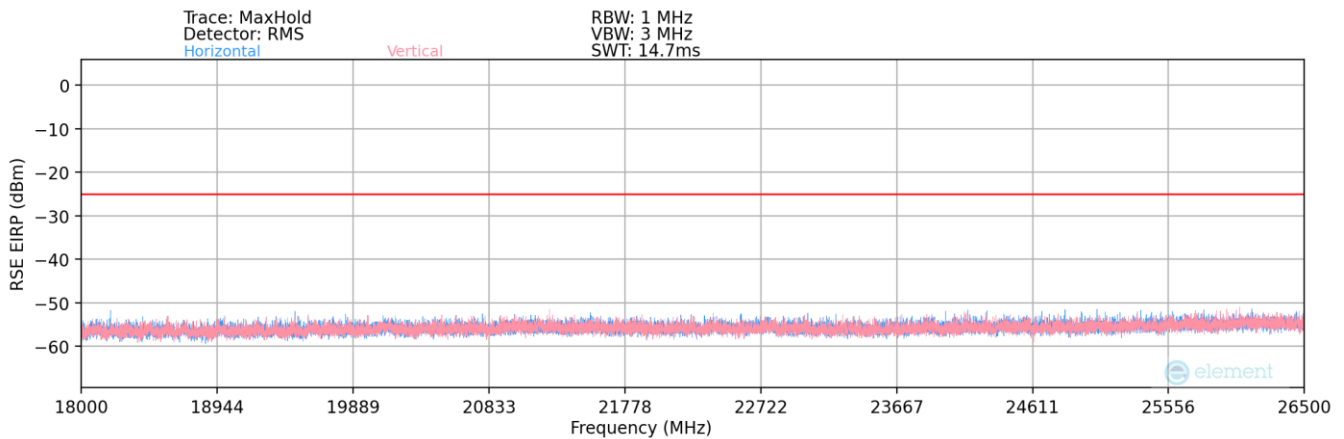
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 328 of 379



Plot 7-538. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel – Ant B)

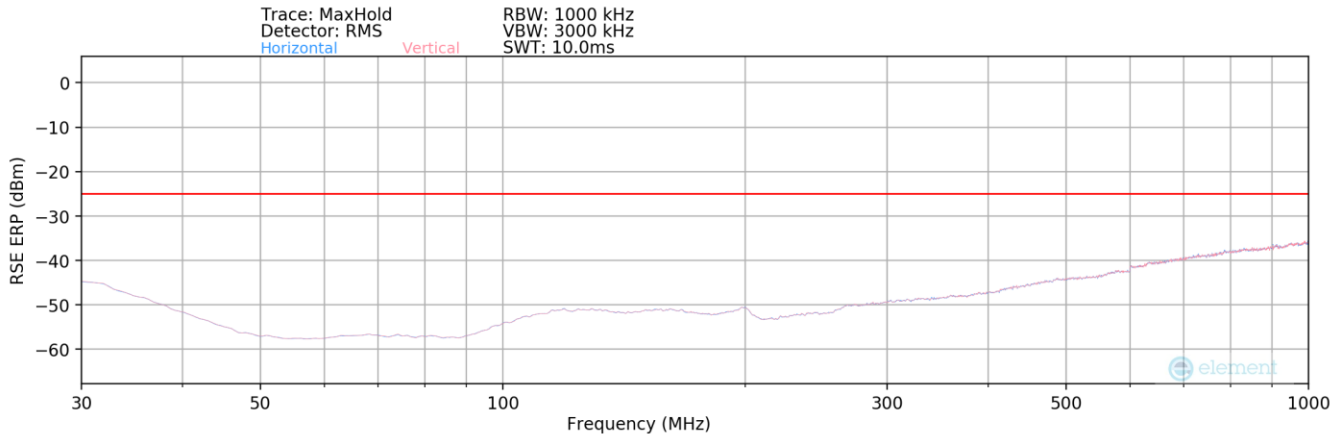


Plot 7-539. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel – Ant B)

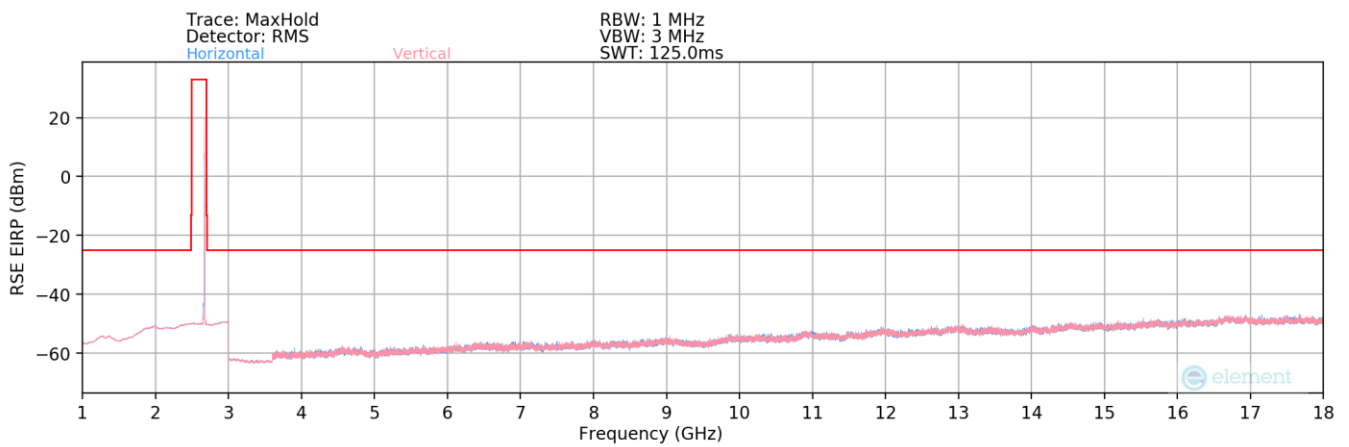


Plot 7-540. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel – Ant B)

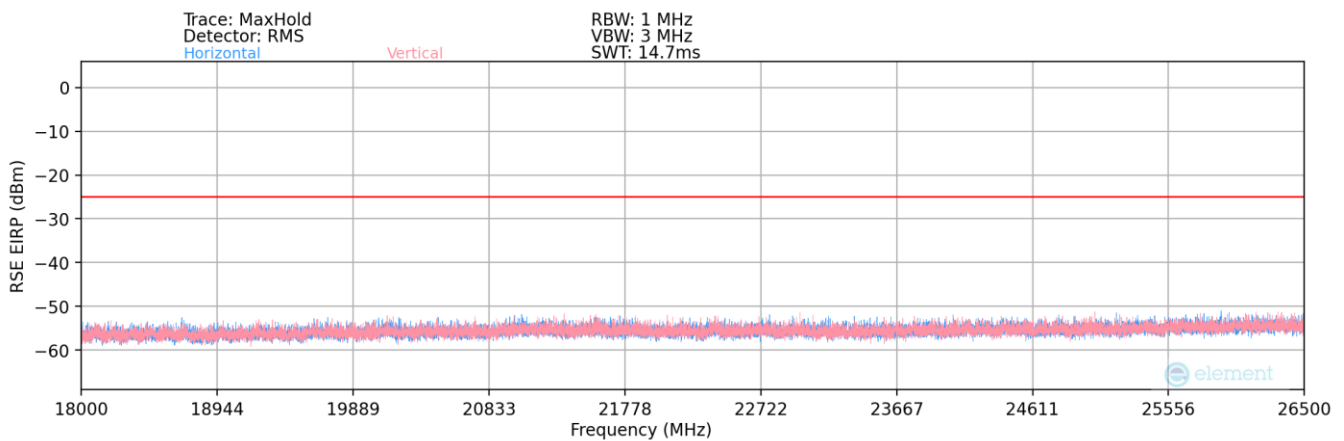
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-541. Radiated Spurious Plot (ULCA LTE B41(PC2) – High Channel – Ant B)



Plot 7-542. Radiated Spurious Plot (ULCA LTE B41(PC2) – High Channel – Ant B)



Plot 7-543. Radiated Spurious Plot (ULCA LTE B41(PC2) – High Channel – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 330 of 379



PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

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]
199.04	H	-	-	-68.43	20.14	58.71	-38.70	-25.00	-13.70

Table 7-72. Radiated Spurious Data Below 1GHz (ULCA LTE B41(PC2) – High Channel – Ant B)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

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]
5012.00	H	369	36	-65.29	4.36	46.07	-49.19	-25.00	-24.19
7518.00	H	360	85	-70.29	7.50	44.21	-51.05	-25.00	-26.05
10024.00	H	300	5	-73.13	10.28	44.15	-51.11	-25.00	-26.11
12530.00	H	-	-	-79.91	13.59	40.68	-54.58	-25.00	-29.58
15036.00	H	-	-	-80.22	15.29	42.07	-53.18	-25.00	-28.18

Table 7-73. Radiated Spurious Data (ULCA LTE B41(PC2) – Low Channel – Ant B)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

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]
5186.00	H	302	350	-71.08	5.06	40.98	-54.27	-25.00	-29.27
7779.00	H	251	6	-73.35	7.29	40.94	-54.31	-25.00	-29.31
10372.00	H	268	33	-73.63	11.01	44.38	-50.88	-25.00	-25.88
12965.00	H	-	-	-75.99	14.59	45.60	-49.66	-25.00	-24.66
15558.00	H	-	-	-76.12	15.64	46.52	-48.74	-25.00	-23.74

Table 7-74. Radiated Spurious Data (ULCA LTE B41(PC2) – Mid Channel – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

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]
5360.00	H	318	344	-70.99	4.86	40.87	-54.39	-25.00	-29.39
8040.00	H	338	316	-64.63	8.14	50.51	-44.75	-25.00	-19.75
10720.00	H	226	326	-78.52	11.70	40.18	-55.08	-25.00	-30.08
13400.00	H	-	-	-79.59	13.81	41.22	-54.03	-25.00	-29.03
16080.00	H	-	-	-79.78	16.85	44.07	-51.18	-25.00	-26.18

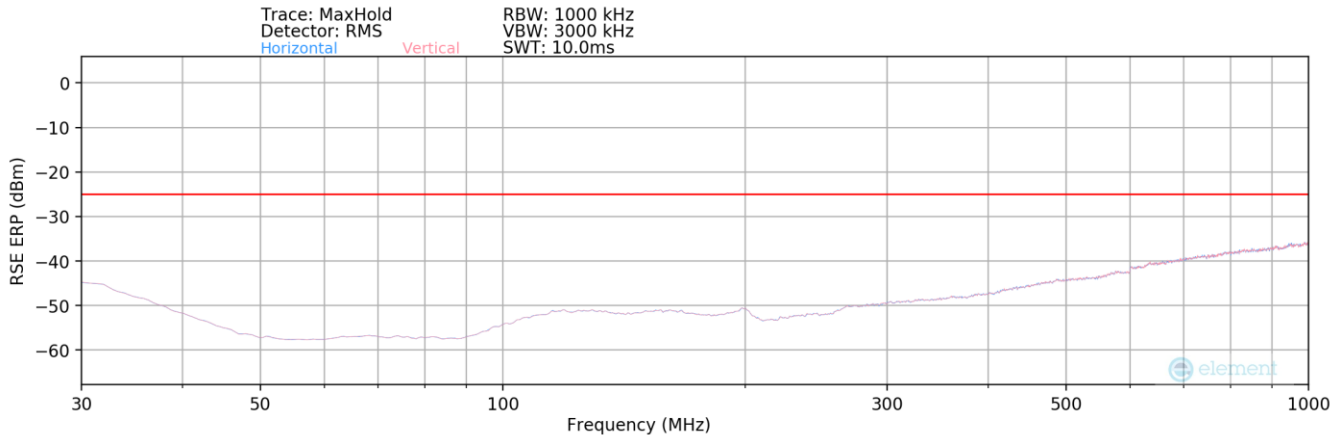
Table 7-75. Radiated Spurious Data (ULCA LTE B41(PC2) – High Channel – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 332 of 379

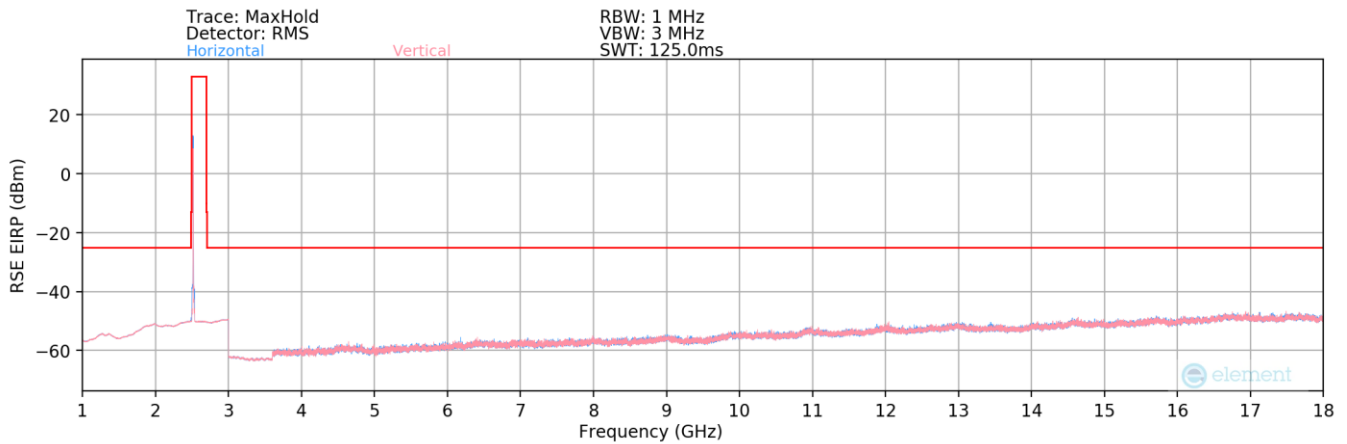
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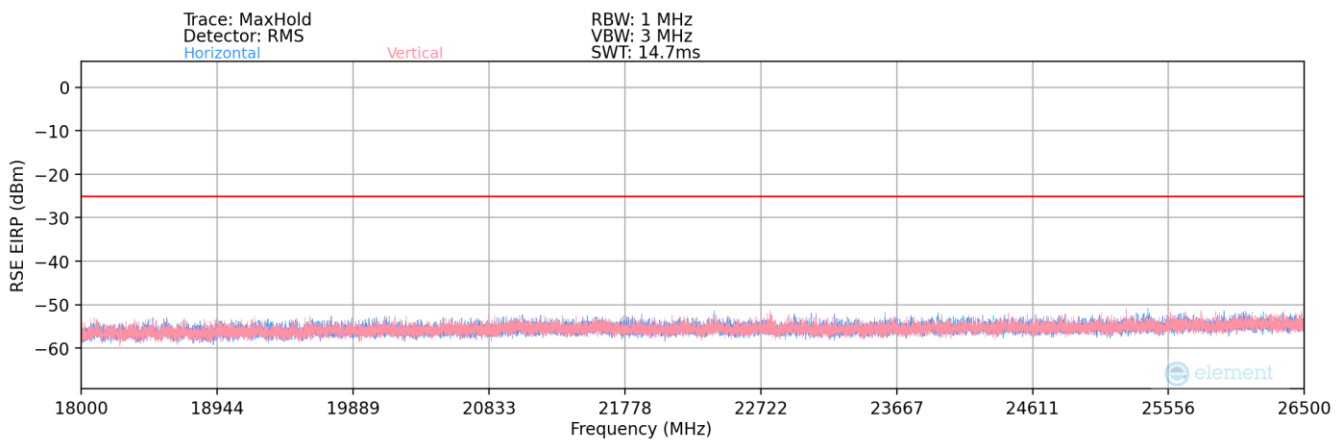
ULCA - LTE B41(PC2) – Ant F



Plot 7-544. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel – Ant F)

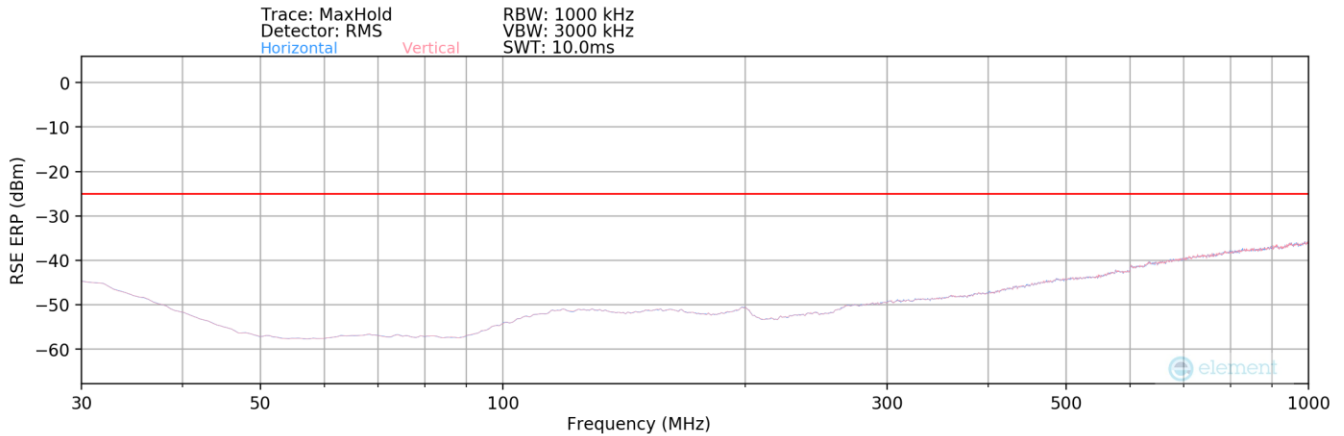


Plot 7-545. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel – Ant F)

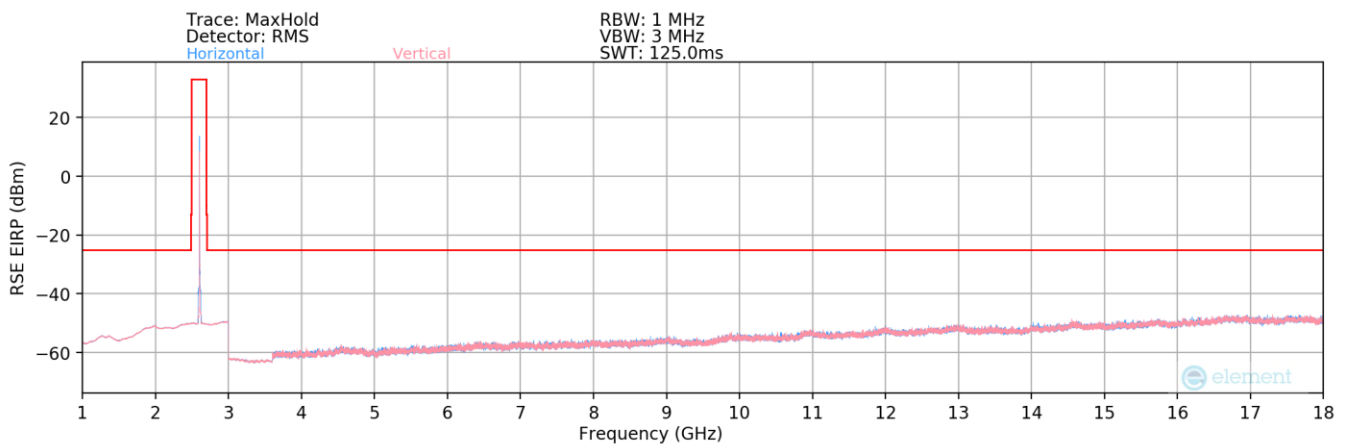


Plot 7-546. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel – Ant F)

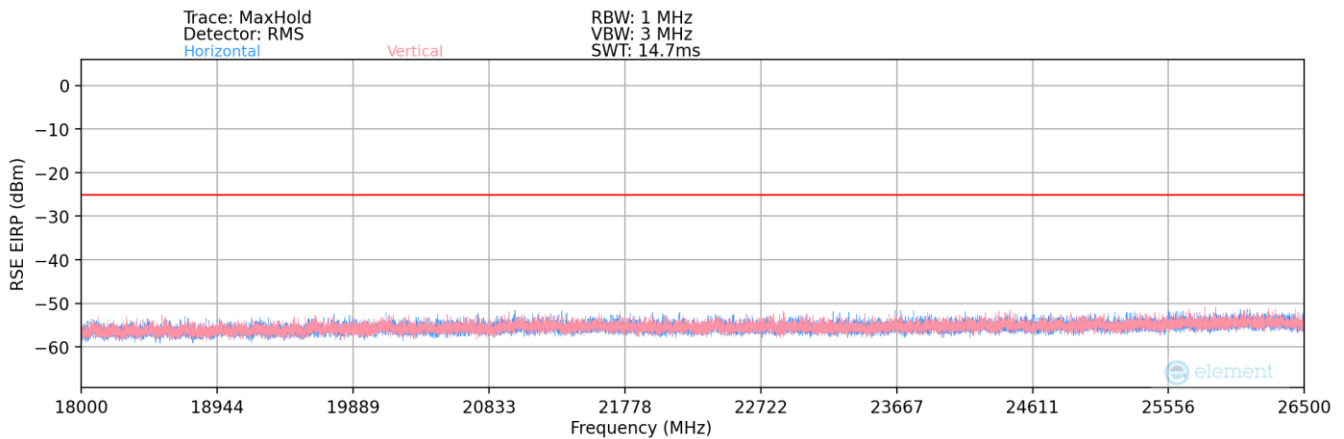
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-547. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel – Ant F)

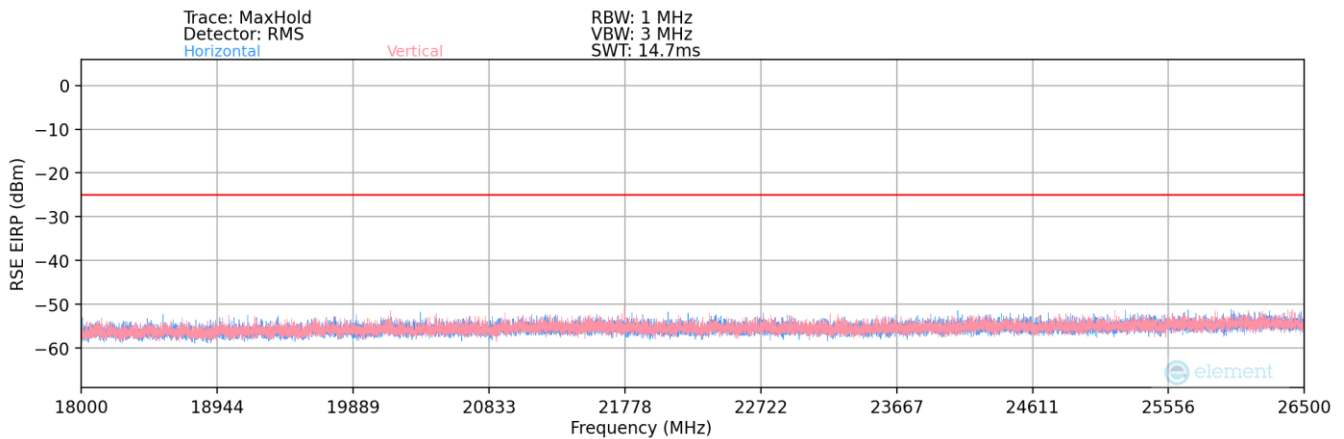
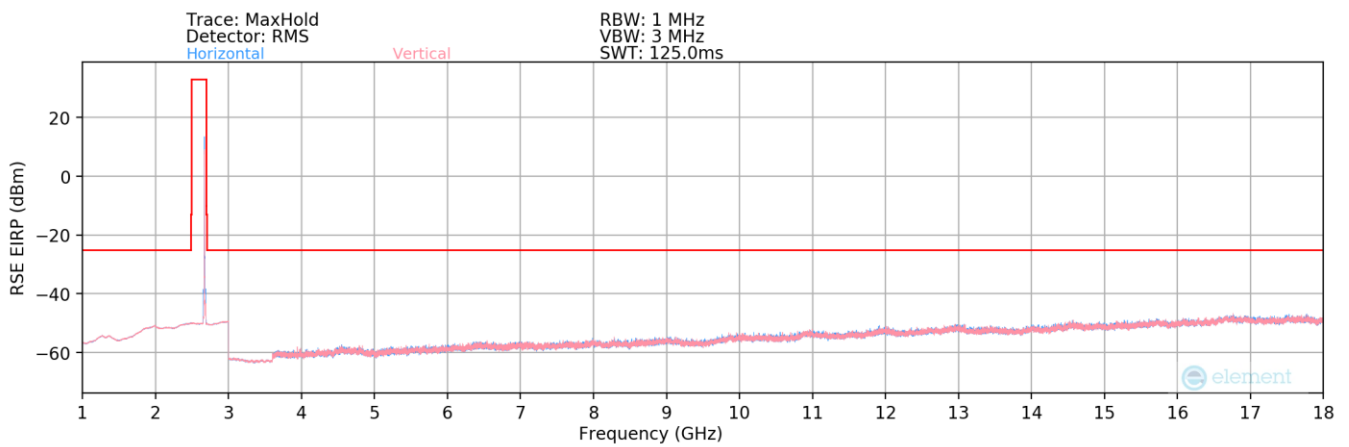
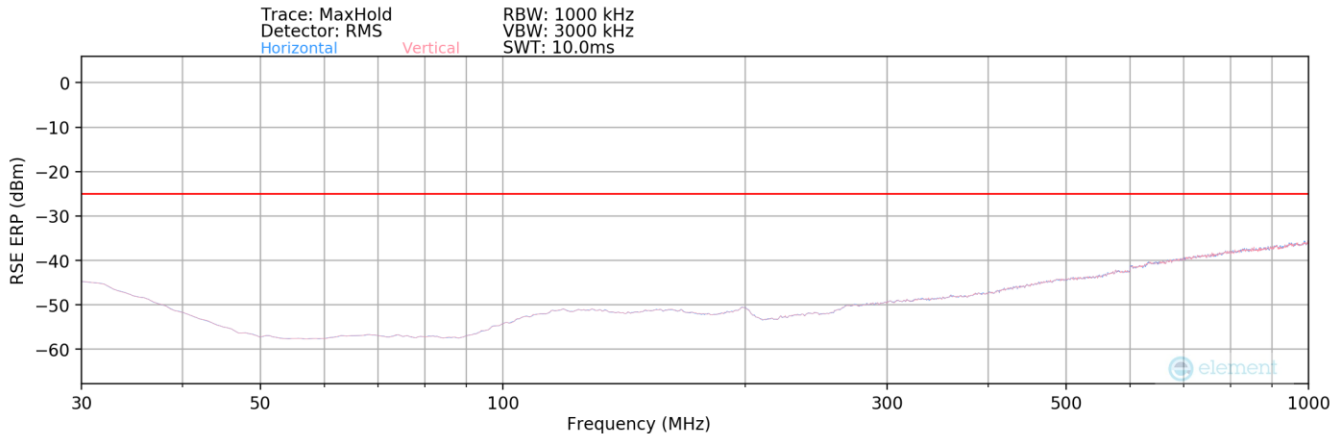


Plot 7-548. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel – Ant F)



Plot 7-549. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

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]
202.00	V	-	-	-81.86	19.73	44.87	-52.54	-25.00	-27.54

Table 7-76. Radiated Spurious Data Below 1GHz (ULCA LTE B41(PC2) – Mid Channel – Ant F)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

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]
5012.00	V	-	-	-77.45	4.36	33.91	-61.35	-25.00	-36.35
7518.00	V	-	-	-77.98	7.50	36.52	-58.74	-25.00	-33.74
10024.00	V	-	-	-77.99	10.28	39.29	-55.97	-25.00	-30.97

Table 7-77. Radiated Spurious Data (ULCA LTE B41(PC2) – Low Channel – Ant F)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

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]
5186.00	V	-	-	-76.74	5.06	35.32	-59.93	-25.00	-34.93
7779.00	V	-	-	-77.66	7.29	36.63	-58.62	-25.00	-33.62
10372.00	V	-	-	-80.09	11.01	37.92	-57.34	-25.00	-32.34

Table 7-78. Radiated Spurious Data (ULCA LTE B41(PC2) – Mid Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

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]
5360.00	V	-	-	-71.84	4.86	40.02	-55.24	-25.00	-30.24
8040.00	V	-	-	-77.86	8.14	37.28	-57.98	-25.00	-32.98
10720.00	V	-	-	-79.77	11.70	38.93	-56.33	-25.00	-31.33

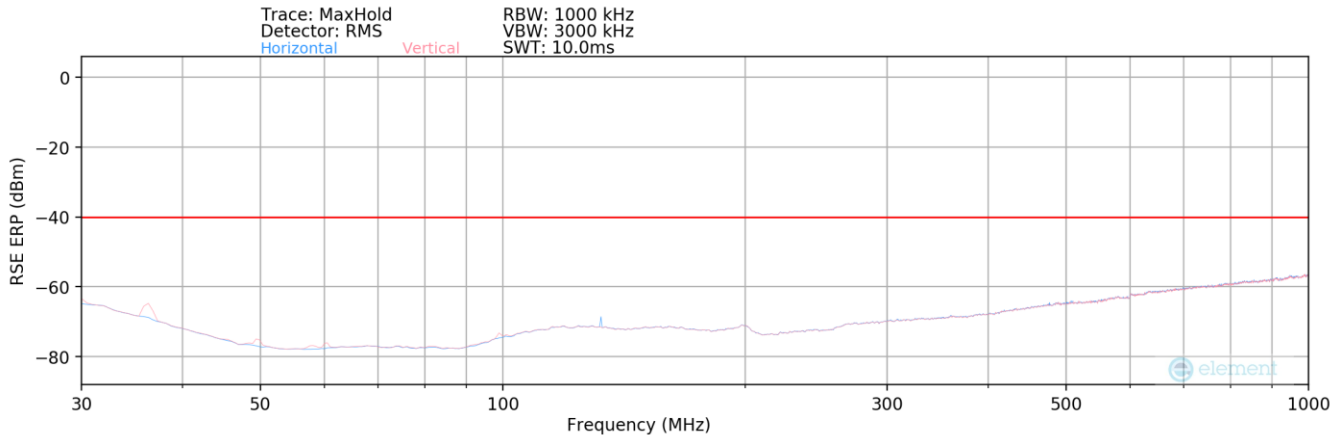
Table 7-79. Radiated Spurious Data (ULCA LTE B41(PC2) – High Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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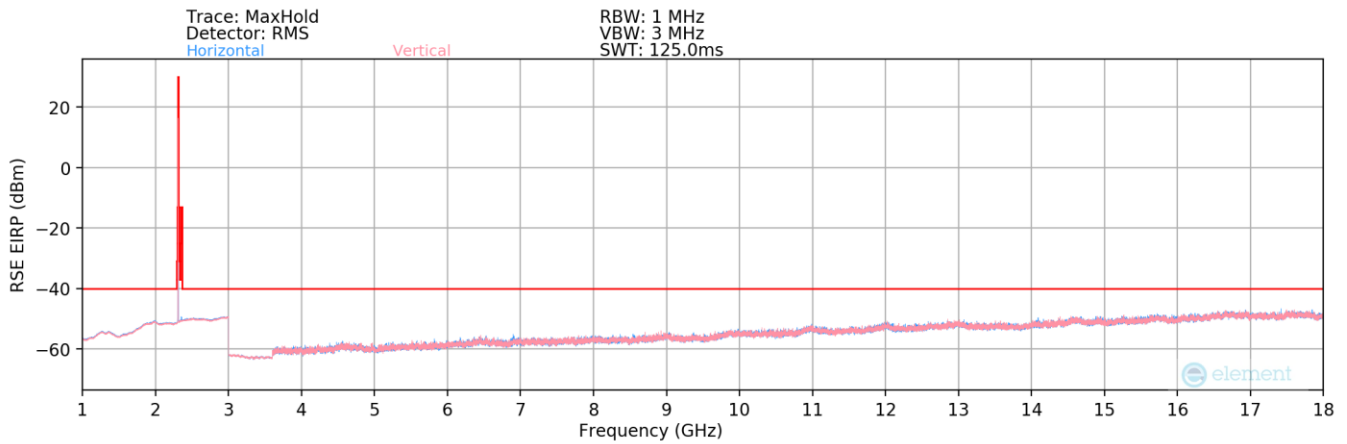
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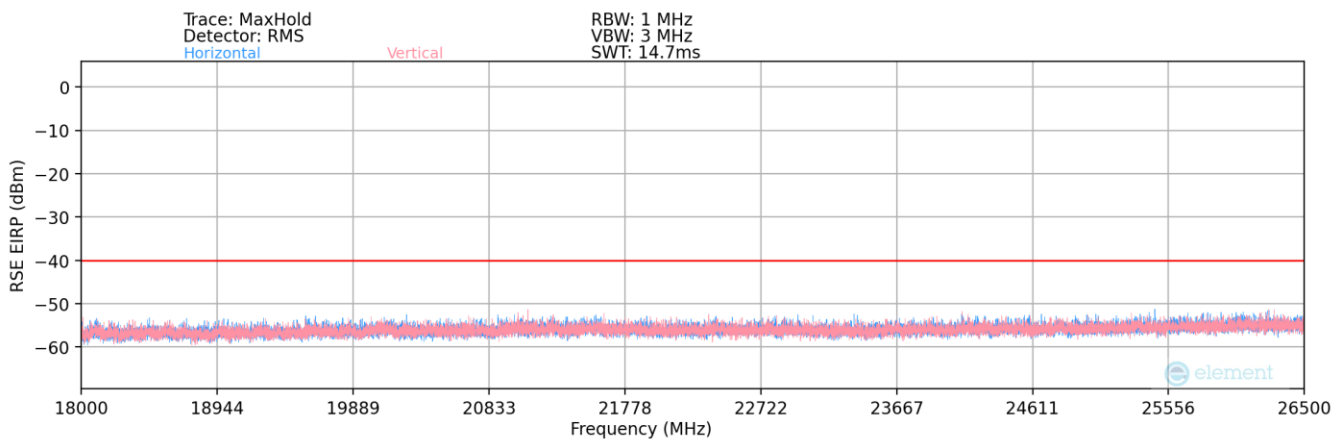
NR Band n30 – Ant A



Plot 7-553. Radiated Spurious Plot (NR Band n30 – Ant A)



Plot 7-554. Radiated Spurious Plot (NR Band n30 – Ant A)



Plot 7-555. Radiated Spurious Plot (NR Band n30 – Ant A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
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]
36.49	V	-	-	-91.34	22.81	38.47	-58.93	-40.00	-18.93
143.72	H	-	-	-91.10	19.65	35.55	-61.85	-40.00	-21.85

Table 7-80. Radiated Spurious Data Below 1GHz (NR Band n30 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
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]
4620.00	H	308	43	-76.56	4.56	35.00	-60.26	-40.00	-20.26
6930.00	H	255	85	-78.67	7.20	35.53	-59.73	-40.00	-19.73
9240.00	H	236	353	-72.94	8.81	42.87	-52.39	-40.00	-12.39
11550.00	H	-	-	-82.11	12.86	37.75	-57.51	-40.00	-17.51
13860.00	H	-	-	-82.48	14.47	38.99	-56.27	-40.00	-16.27
16170.00	H	-	-	-82.36	16.98	41.62	-53.63	-40.00	-13.63

Table 7-81. Radiated Spurious Data (NR Band n30 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
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]
4620.00	H	384	456	-78.27	4.56	33.29	-61.97	-40.00	-21.97
6930.00	H	-	-	-79.83	7.20	34.37	-60.89	-40.00	-20.89
9240.00	H	259	346	-76.45	8.81	39.36	-55.90	-40.00	-15.90
11550.00	H	-	-	-82.05	12.86	37.81	-57.45	-40.00	-17.45
13860.00	H	-	-	-82.29	14.47	39.18	-56.08	-40.00	-16.08
16170.00	H	-	-	-82.41	16.98	41.57	-53.68	-40.00	-13.68

Table 7-82. Radiated Spurious Data with WCP (NR Band n30 – Ant A)

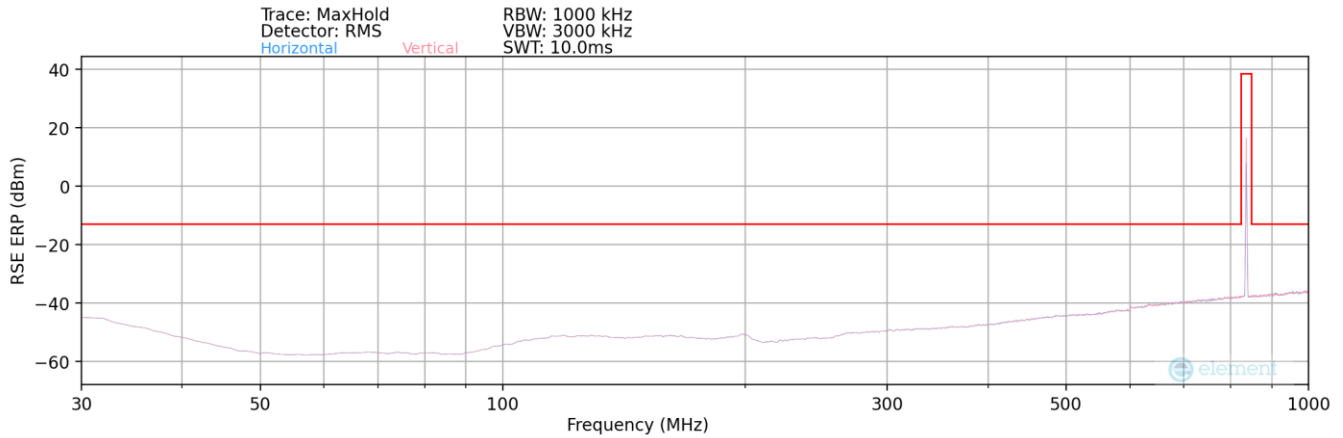
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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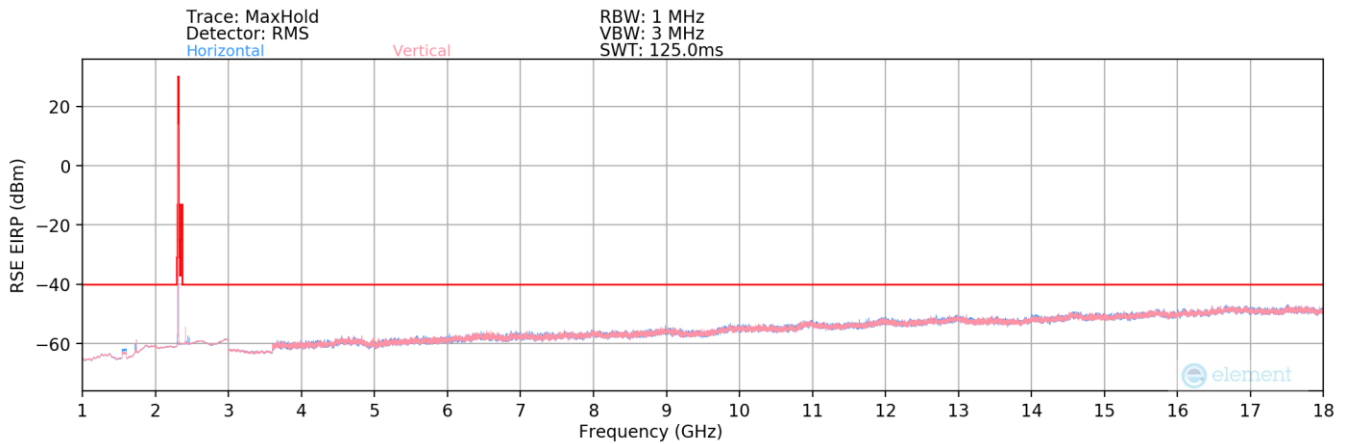
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EN-DC n30 (Ant A) – Band 5



Plot 7-556. Radiated Spurious Plot Below 1GHz (NR 30 [Ant A] – Band 5)



Plot 7-557. Radiated Spurious Plot (NR 30 [Ant A] – Band 5)

Bandwidth (MHz):	10 & 10
Frequency (MHz):	2310.0 & 836.5
RB / Offset:	1 / 26 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE Band 5

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]
637.00	V	-	-	-99.73	27.94	35.21	-60.05	-13.00	-47.05
1473.50	V	140	208	-55.28	-4.26	47.46	-47.80	-13.00	-34.80
2110.50	V	-	-	-77.72	-0.27	29.01	-66.25	-13.00	-53.25
3146.50	V	-	-	-80.26	2.97	29.71	-65.54	-13.00	-52.54
3783.50	V	-	-	-78.97	3.14	31.17	-64.08	-13.00	-51.08
5257.00	V	-	-	-78.76	4.84	33.08	-62.18	-13.00	-49.18

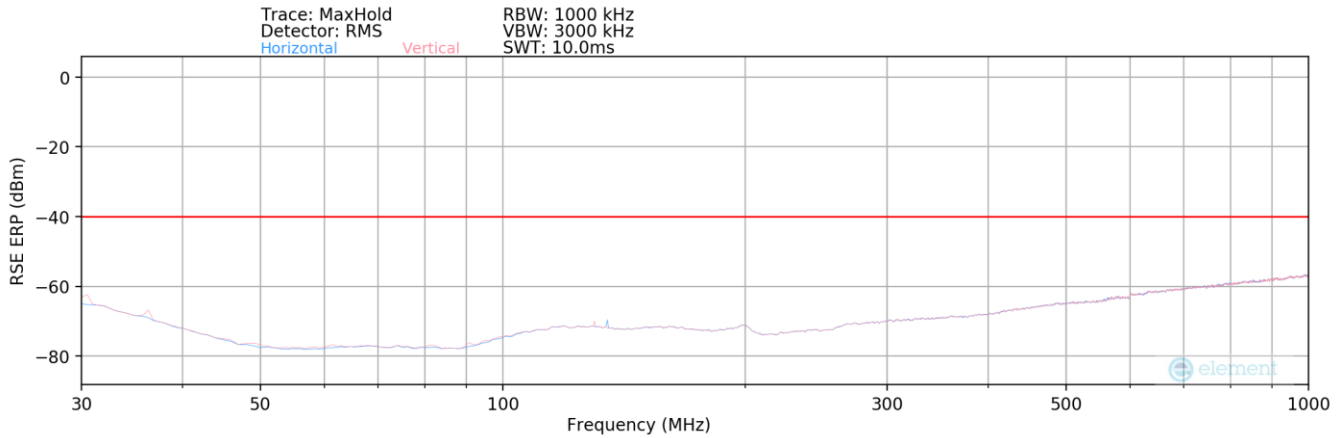
Table 7-83 . Radiated Spurious Data (NR 30 [Ant A] – Band 5)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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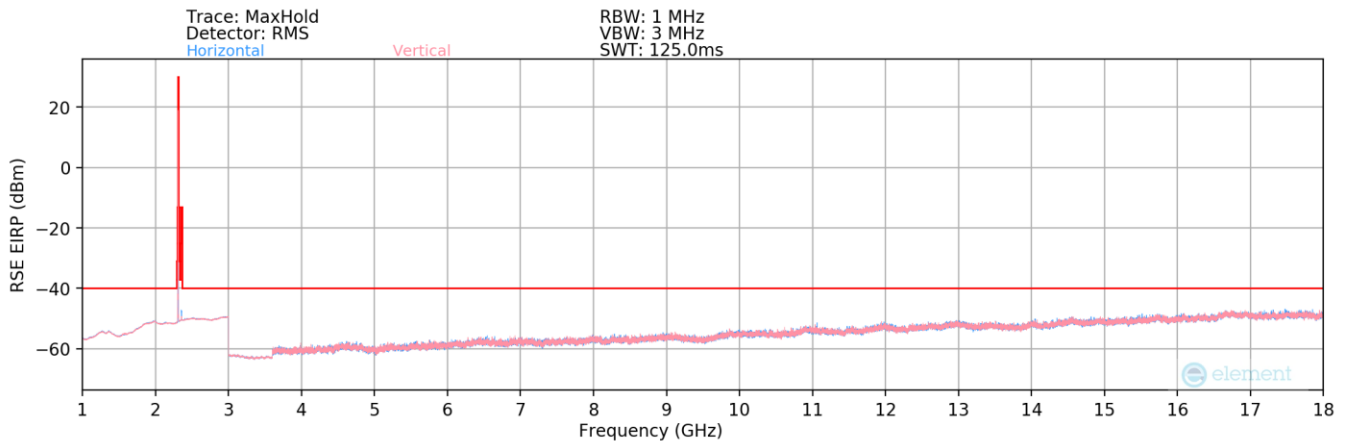
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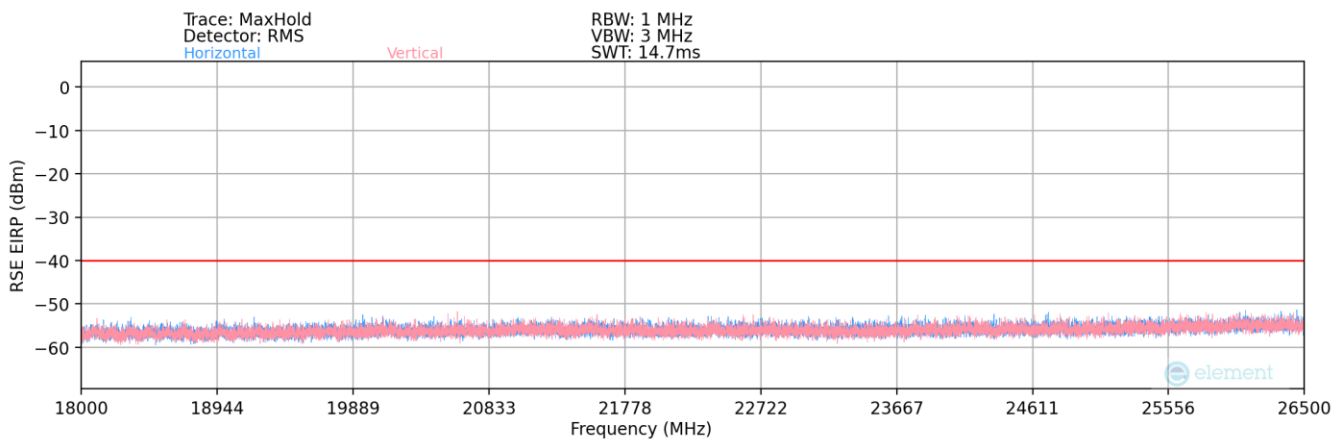
NR Band n30 – Ant F



Plot 7-558. Radiated Spurious Plot (NR Band n30 – Ant F)



Plot 7-559. Radiated Spurious Plot (NR Band n30 – Ant F)



Plot 7-560. Radiated Spurious Plot (NR Band n30 – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 341 of 379



Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
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]
37.27	V	-	-	-91.11	22.10	37.99	-59.42	-40.00	-19.42
147.04	V	-	-	-91.45	19.79	35.34	-62.06	-40.00	-22.06

Table 7-84. Radiated Spurious Data Below 1GHz (NR Band n30 – Ant F)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
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]
4620.00	H	333	35	-76.77	4.56	34.79	-60.47	-40.00	-20.47
6930.00	H	261	15	-78.97	7.20	35.23	-60.03	-40.00	-20.03
9240.00	H	267	319	-76.90	8.81	38.91	-56.35	-40.00	-16.35
11550.00	H	-	-	-81.82	12.86	38.04	-57.22	-40.00	-17.22
13860.00	H	-	-	-82.36	14.47	39.11	-56.15	-40.00	-16.15
16170.00	H	-	-	-82.01	16.98	41.97	-62.83	-40.00	-22.83

Table 7-85. Radiated Spurious Data (NR Band n30 – Ant F)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
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]
4620.00	H	184	321	-78.11	4.56	33.45	-61.81	-40.00	-21.81
6930.00	H	253	260	-79.05	7.20	35.15	-60.11	-40.00	-20.11
9240.00	H	319	302	-79.17	8.81	36.64	-58.62	-40.00	-18.62
11550.00	H	-	-	-81.70	12.86	38.16	-57.10	-40.00	-17.10
13860.00	H	-	-	-82.34	14.47	39.13	-56.13	-40.00	-16.13
16170.00	H	-	-	-82.02	16.98	41.96	-62.84	-40.00	-22.84

Table 7-86. Radiated Spurious Data with WCP (NR Band n30 – Ant F)

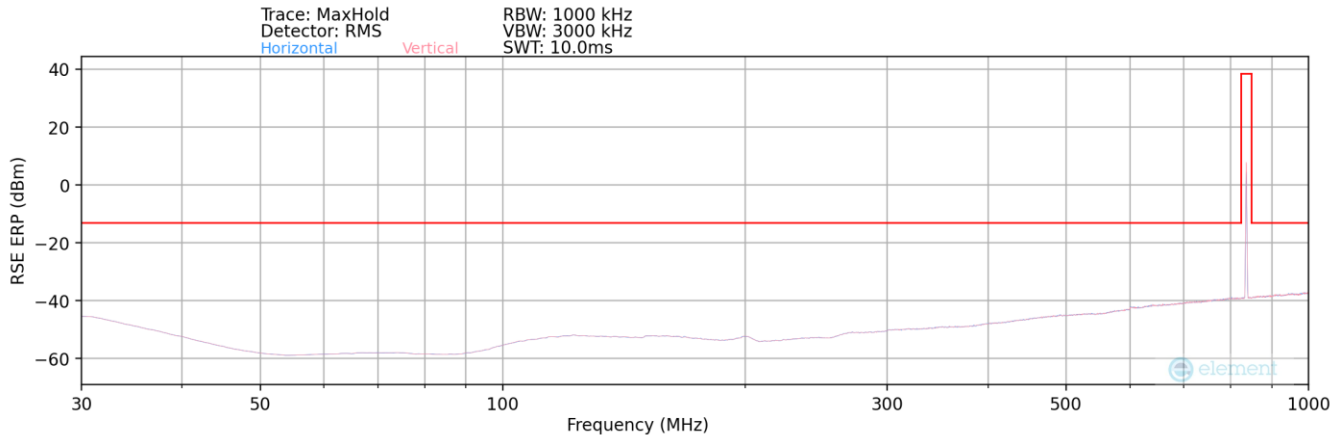
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 342 of 379

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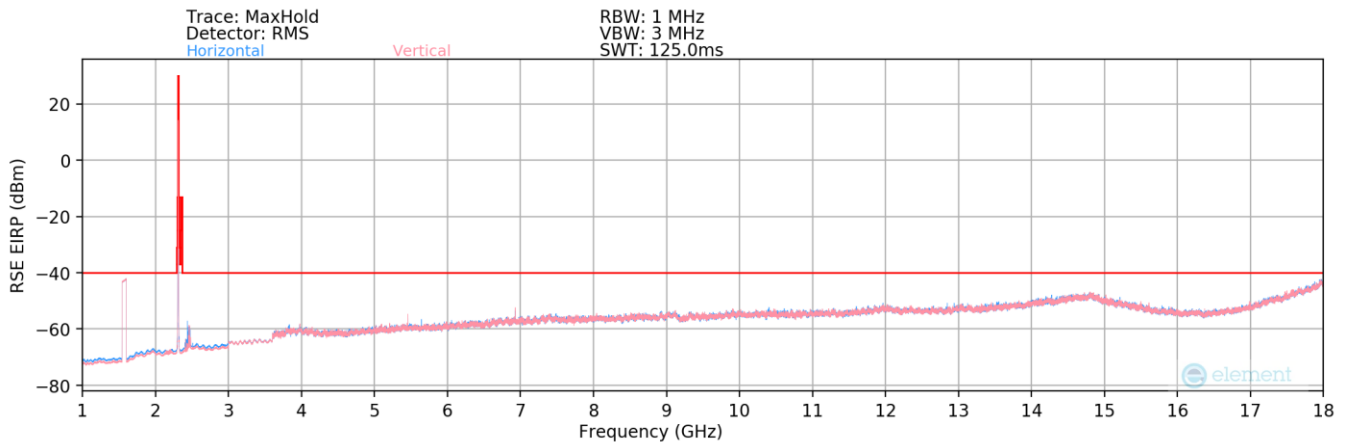
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EN-DC n30 (Ant F) – Band 5



Plot 7-561. Radiated Spurious Plot Below 1GHz (NR 30 [Ant F] – Band 5)



Plot 7-562. Radiated Spurious Plot (NR 30 [Ant F] – Band 5)

Bandwidth (MHz):	10 & 10
Frequency (MHz):	2310.0 & 836.5
RB / Offset:	1 / 26 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE Band 5

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]
399.00	V	-	-	-100.49	23.26	29.77	-65.49	-13.00	-52.49
1585.00	V	117	327	-34.88	-10.39	61.73	-33.53	-13.00	-20.53
5457.00	V	114	34	-69.87	0.32	37.45	-57.81	-13.00	-44.81
6931.00	V	112	49	-73.45	3.93	37.48	-57.77	-13.00	-44.77

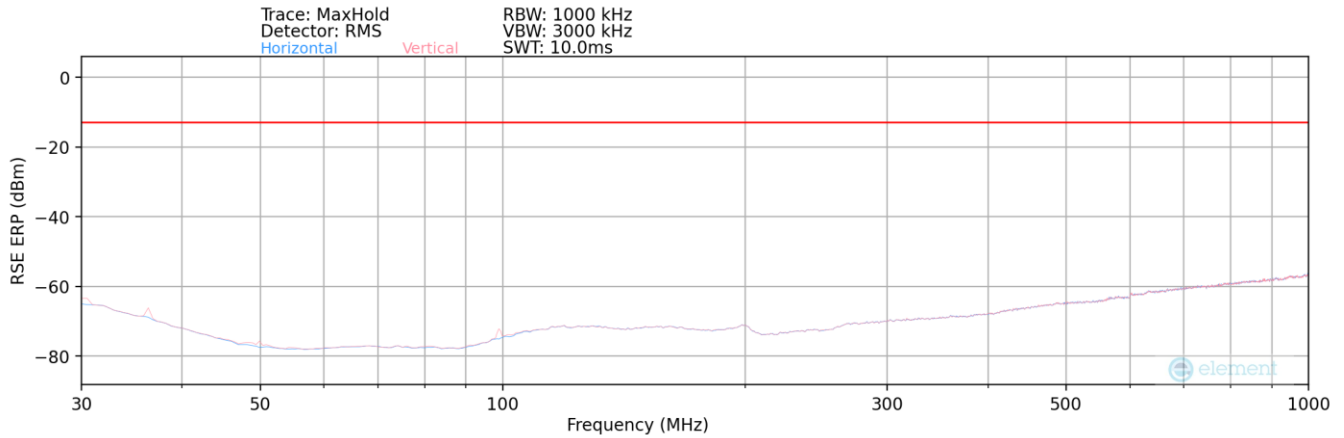
Table 7-87 . Radiated Spurious Data (NR 30 [Ant F] – Band 5)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 343 of 379

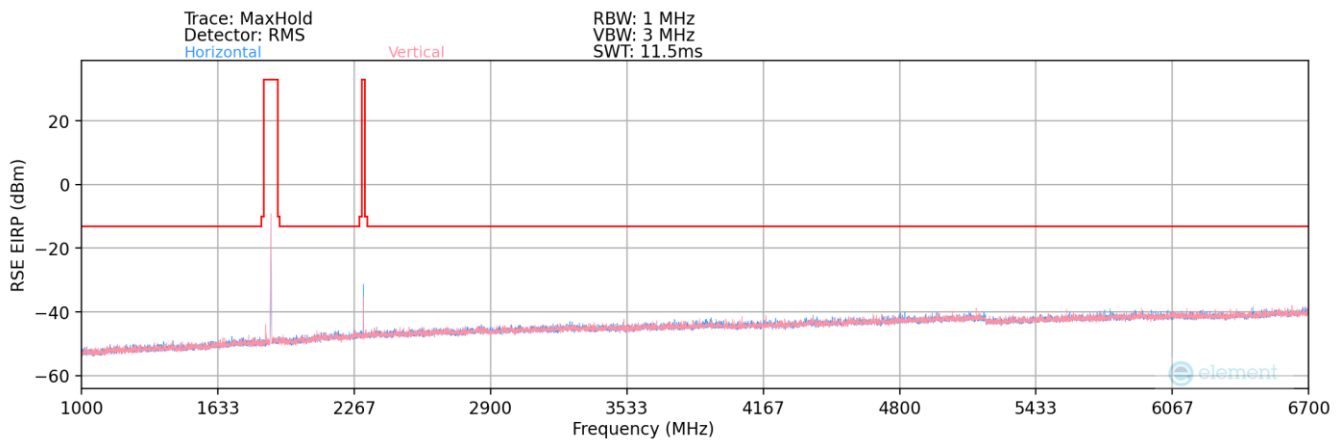
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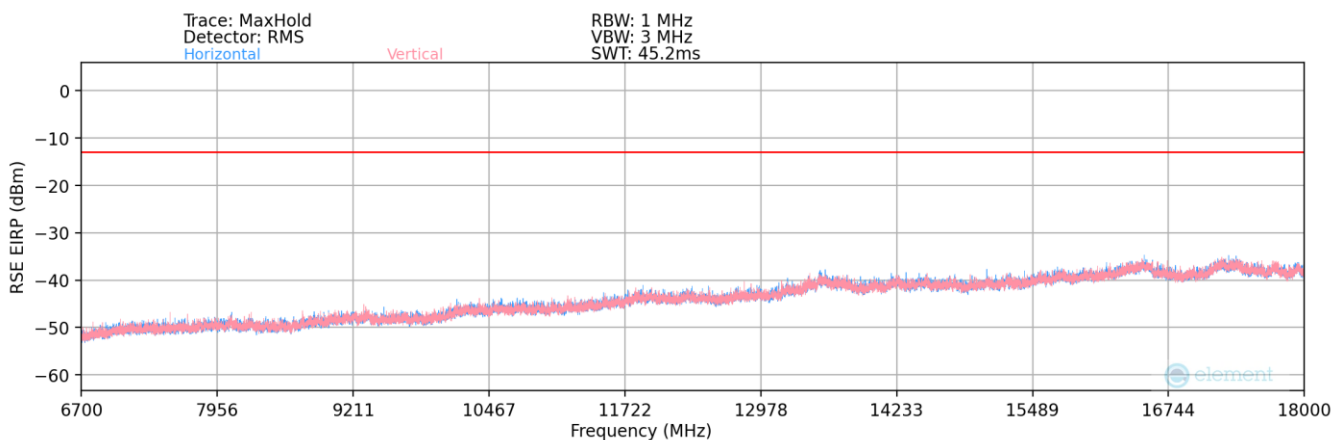
EN-DC n30 (Ant F) – Band 2



Plot 7-563. Radiated Spurious Plot (NR 30 [Ant F] – Band 2)



Plot 7-564. Radiated Spurious Plot (NR 30 [Ant F] – Band 2)



Plot 7-565. Radiated Spurious Plot (NR 30 [Ant F] – Band 2)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 344 of 379



Bandwidth (MHz):	10 & 20
Frequency (MHz):	2310 & 1880
RB / Offset:	1/26 & 1/50
Mode:	EN-DC
Anchor Band:	LTE Band 2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
36.00	V	-	-	-91.38	23.38	39.00	-56.26	-13.00	-43.26
98.09	V	-	-	-91.29	16.96	32.67	-62.59	-13.00	-49.59
6660.00	H	-	-	-81.90	13.40	38.50	-56.75	-13.00	-43.75
6930.00	H	114	308	-80.25	13.75	40.50	-54.76	-13.00	-41.76
11980.00	H	-	-	-83.49	22.10	45.61	-49.64	-13.00	-36.64
13000.00	H	-	-	-84.19	24.06	46.87	-48.39	-13.00	-35.39
15900.00	H	-	-	-84.78	28.07	50.29	-44.97	-13.00	-31.97

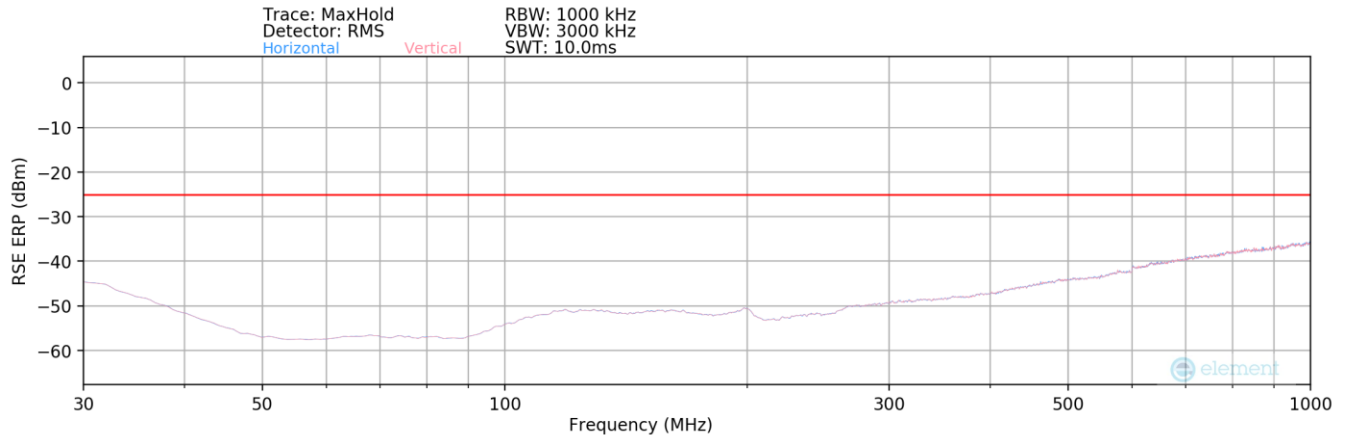
Table 7-88 . Radiated Spurious Data (NR 30 [Ant F] – Band 2)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 345 of 379

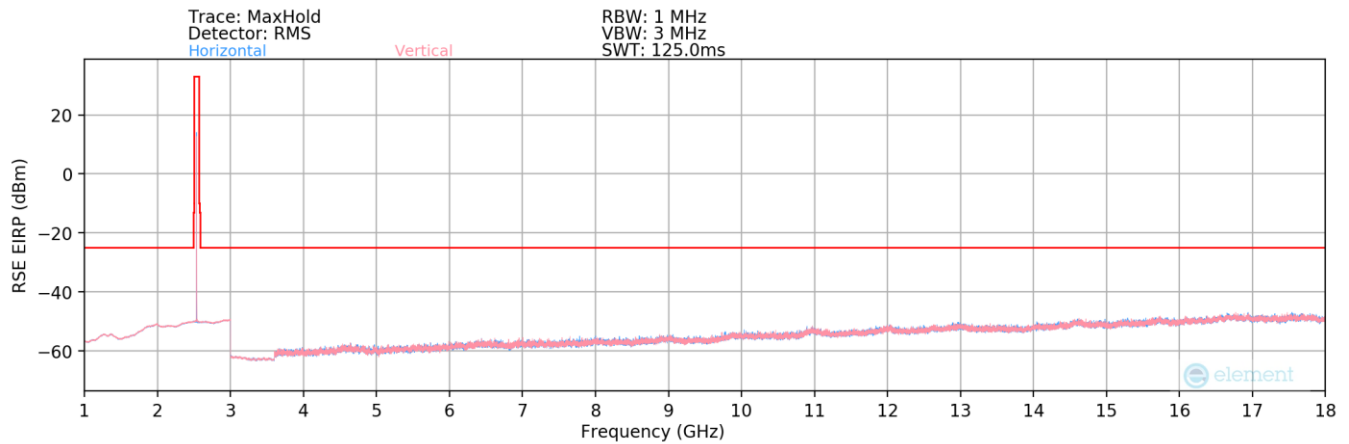
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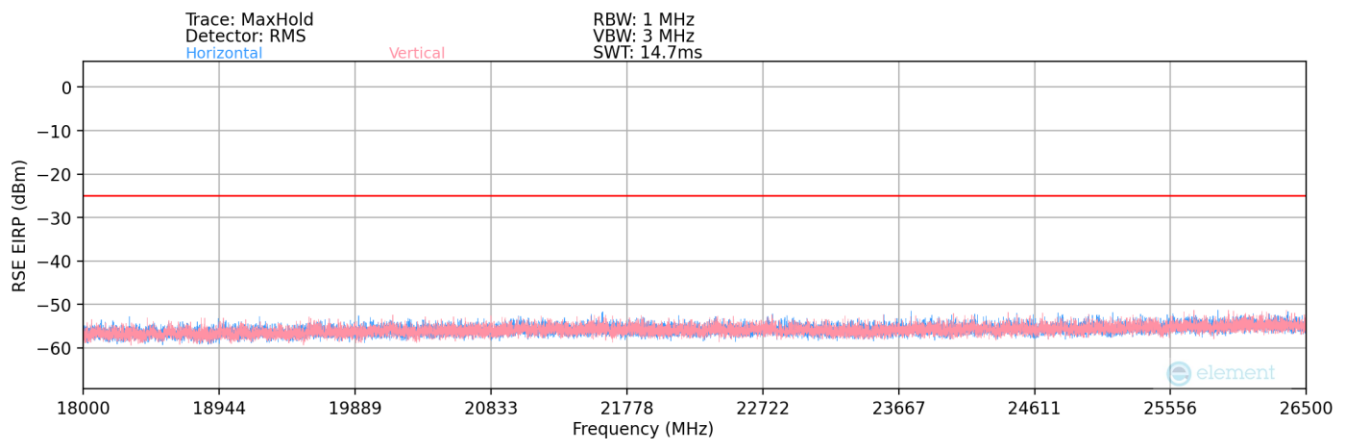
NR Band n7 – Ant B



Plot 7-566. Radiated Spurious Plot (NR Band n7 – Ant B)



Plot 7-567. Radiated Spurious Plot (NR Band n7 – Ant B)



Plot 7-568. Radiated Spurious Plot (NR Band n7 – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
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]
950.36	H	-	-	-89.41	31.94	49.53	-47.88	-25.00	-22.88

Table 7-89. Radiated Spurious Data Below 1GHz (NR Band n7 – Mid Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108
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]
5040.00	H	-	-	-79.21	4.50	32.29	-62.97	-25.00	-37.97
7560.00	H	-	-	-80.16	7.70	34.54	-60.72	-25.00	-35.72
10080.00	H	-	-	-80.56	10.70	37.14	-58.12	-25.00	-33.12

Table 7-90. Radiated Spurious Data (NR Band n7 – Low Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
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]
5070.00	H	319	82	-77.39	4.73	34.34	-60.92	-25.00	-35.92
7605.00	H	-	-	-80.07	8.12	35.05	-60.21	-25.00	-35.21
10140.00	H	-	-	-80.82	11.00	37.18	-58.08	-25.00	-33.08
12675.00	H	-	-	-81.95	13.89	38.94	-56.32	-25.00	-31.32

Table 7-91. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108
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]
5100.00	H	365	3	-78.53	4.75	33.22	-62.03	-25.00	-37.03
7650.00	H	-	-	-80.10	7.70	34.60	-60.66	-25.00	-35.66
10200.00	H	-	-	-81.23	11.01	36.78	-58.48	-25.00	-33.48
12750.00	H	-	-	-81.87	13.94	39.07	-56.19	-25.00	-31.19

Table 7-92. Radiated Spurious Data (NR Band n7 – High Channel – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
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]
5070.00	H	392	343	-78.73	4.73	33.00	-62.26	-25.00	-37.26
7605.00	H	-	-	-80.13	8.12	34.99	-60.27	-25.00	-35.27
10140.00	H	-	-	-80.78	11.00	37.22	-58.04	-25.00	-33.04
12675.00	H	-	-	-81.89	13.89	39.00	-56.26	-25.00	-31.26

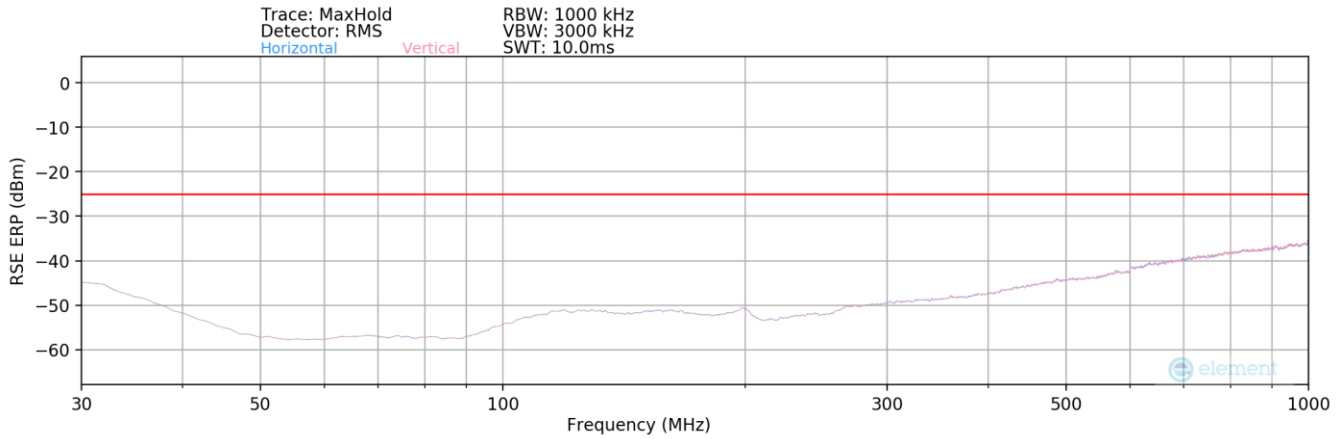
Table 7-93. Radiated Spurious Data with WCP (NR Band n7 – Mid Channel – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 348 of 379

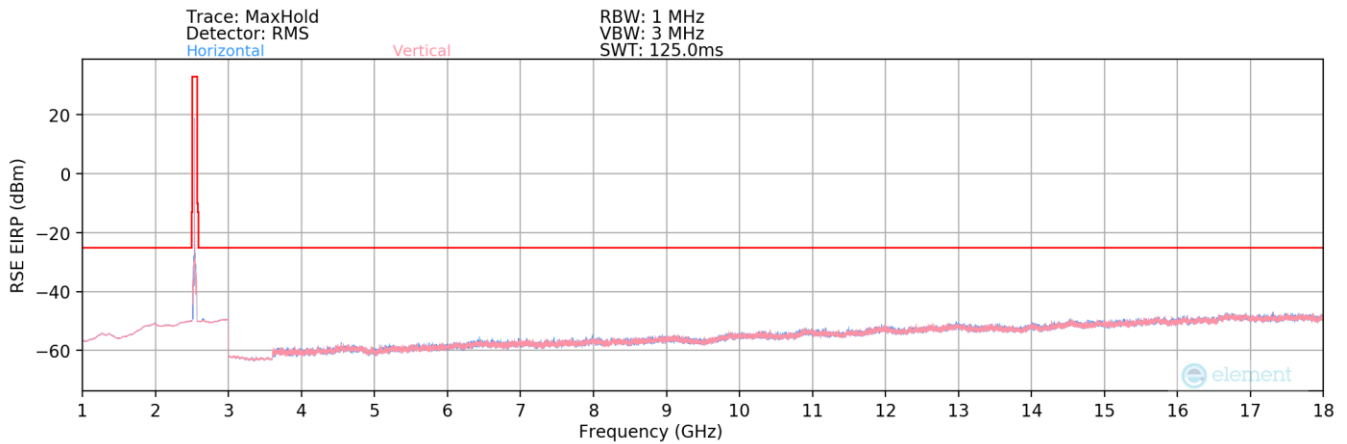
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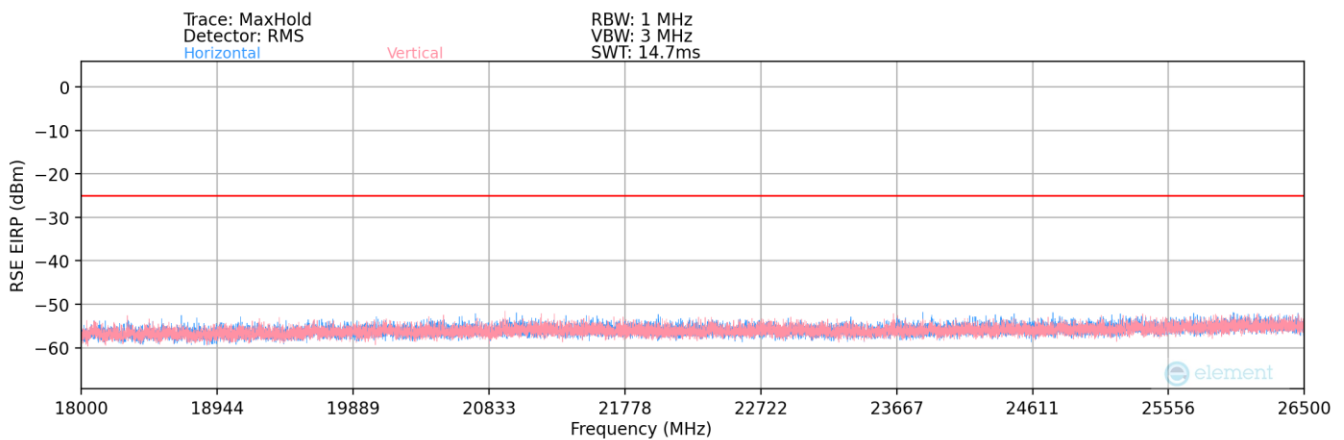
NR Band n7 – Ant F



Plot 7-569. Radiated Spurious Plot (NR Band n7 – Ant F)



Plot 7-570. Radiated Spurious Plot (NR Band n7 – Ant F)



Plot 7-571. Radiated Spurious Plot (NR Band n7 – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108
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]
490.00	H	-	-	-100.80	25.79	31.99	-65.42	-25.00	-40.42

Table 7-94. Radiated Spurious Data Below 1GHz (NR Band n7 – Low Channel – Ant F)

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108
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]
5040.00	H	-	-	-79.07	4.50	32.43	-62.83	-25.00	-37.83
7560.00	H	-	-	-80.03	7.70	34.67	-60.59	-25.00	-35.59
10080.00	H	-	-	-80.35	10.70	37.35	-57.91	-25.00	-32.91

Table 7-95. Radiated Spurious Data (NR Band n7 – Low Channel – Ant F)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
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]
5070.00	H	288	56	-76.37	4.73	35.36	-59.90	-25.00	-34.90
7605.00	H	-	-	-79.93	8.12	35.19	-60.07	-25.00	-35.07
10140.00	H	-	-	-80.82	11.00	37.18	-58.08	-25.00	-33.08
12675.00	H	-	-	-81.55	13.89	39.34	-55.92	-25.00	-30.92

Table 7-96. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant F)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108
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]
5100.00	H	322	61	-78.19	4.75	33.56	-61.69	-25.00	-36.69
7650.00	H	-	-	-80.03	7.70	34.67	-60.59	-25.00	-35.59
10200.00	H	-	-	-81.32	11.01	36.69	-58.57	-25.00	-33.57
12750.00	H	-	-	-81.78	13.94	39.16	-56.10	-25.00	-31.10

Table 7-97. Radiated Spurious Data (NR Band n7 – High Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
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]
5070.00	H	259	61	-77.74	4.73	33.99	-61.27	-25.00	-36.27
7605.00	H	-	-	-80.06	8.12	35.06	-60.20	-25.00	-35.20
10140.00	H	-	-	-80.77	11.00	37.23	-58.03	-25.00	-33.03
12675.00	H	-	-	-81.62	13.89	39.27	-55.99	-25.00	-30.99

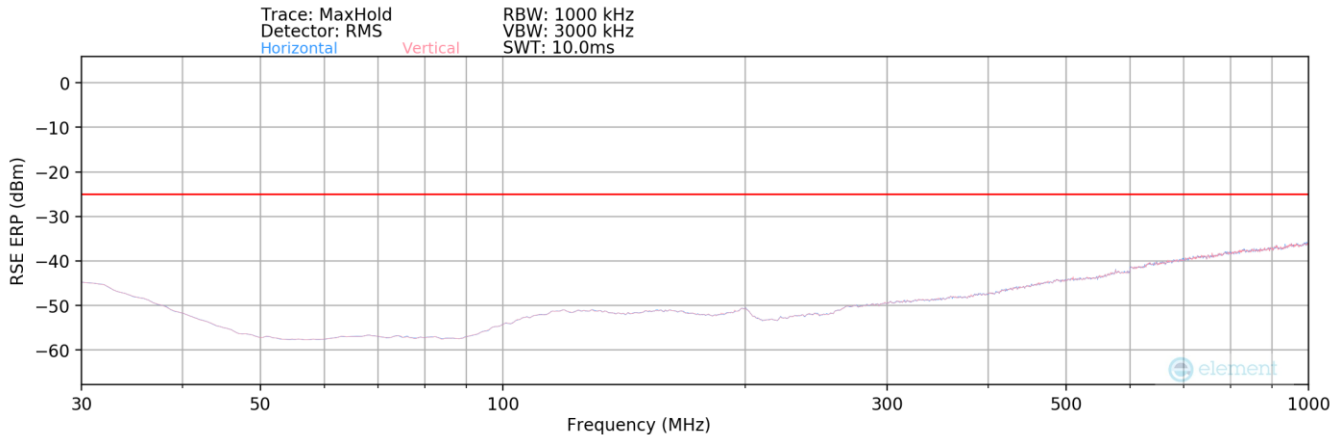
Table 7-98. Radiated Spurious Data with WCP (NR Band n7 – Mid Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 351 of 379

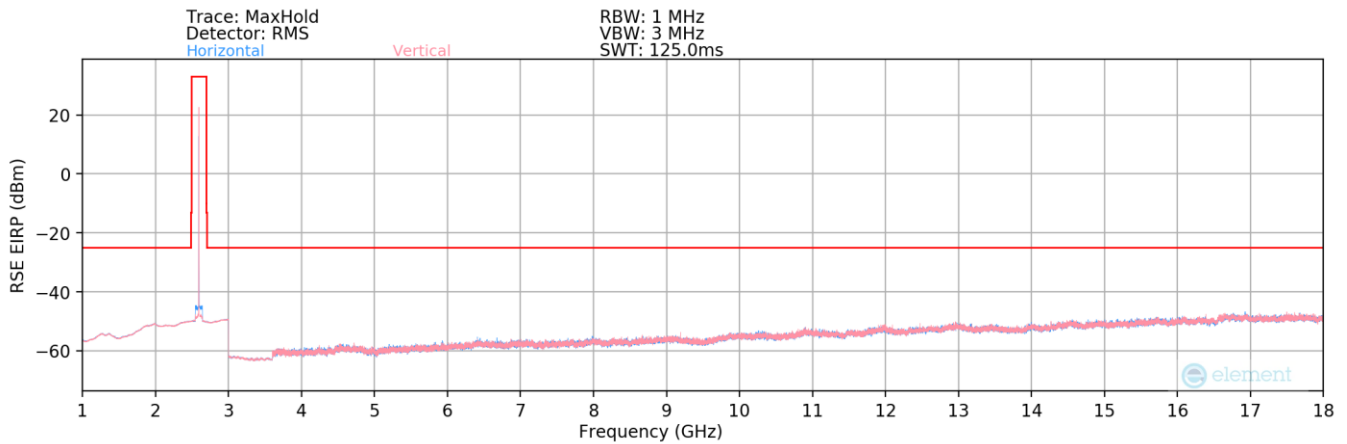
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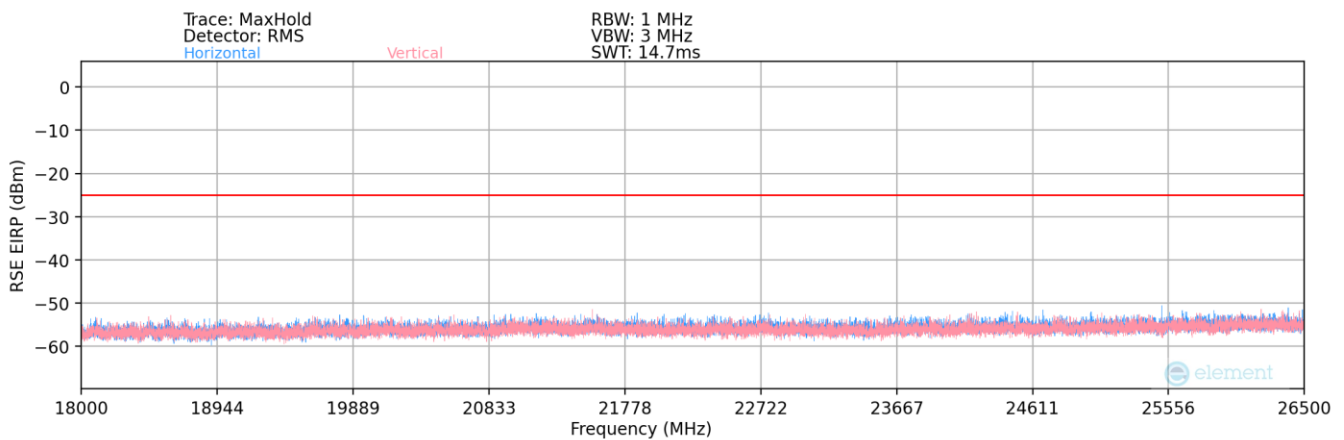
NR Band n41 – Ant F



Plot 7-572. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-573. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-574. Radiated Spurious Plot (NR Band n41 – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2593.00
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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
920.15	H	-	-	-82.72	31.34	55.62	-41.78	-25.00	-16.78

Table 7-99. Radiated Spurious Data Below 1GHz (NR Band n41 – Mid Channel – Ant F)

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	H	-	-	-76.55	4.75	35.20	-60.06	-25.00	-35.06
7638.03	H	312	27	-76.52	7.81	38.29	-56.96	-25.00	-31.96
10184.04	H	-	-	-78.22	10.81	39.59	-55.67	-25.00	-30.67
12730.05	H	286	29	-78.65	13.99	42.34	-52.92	-25.00	-27.92
15276.06	H	226	50	-77.49	15.86	45.37	-49.88	-25.00	-24.88
17822.07	H	223	350	-74.78	18.30	50.52	-44.74	-25.00	-19.74
20368.08	H	-	-	-58.09	3.24	52.15	-52.65	-25.00	-27.65
22914.09	H	-	-	-57.14	3.86	53.71	-51.09	-25.00	-26.09

Table 7-100. Radiated Spurious Data (NR Band n41 – Low 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]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	H	338	359	-75.83	5.06	36.23	-59.02	-25.00	-34.02
7778.97	H	398	63	-76.58	7.29	37.71	-57.54	-25.00	-32.54
10371.96	H	-	-	-78.91	11.01	39.10	-56.16	-25.00	-31.16
12964.95	H	240	76	-78.15	14.59	43.44	-51.82	-25.00	-26.82
15557.94	H	213	45	-78.40	15.64	44.24	-51.02	-25.00	-26.02
18150.93	H	-	-	-56.54	1.37	51.83	-52.97	-25.00	-27.97
20743.92	H	-	-	-57.85	3.41	52.56	-52.24	-25.00	-27.24
23336.91	H	-	-	-58.62	3.75	52.13	-52.67	-25.00	-27.67

Table 7-101. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	H	279	85	-75.58	4.75	36.17	-59.09	-25.00	-34.09
7920.00	H	-	-	-77.30	8.35	38.05	-57.21	-25.00	-32.21
10560.00	H	-	-	-79.10	11.58	39.48	-55.78	-25.00	-30.78
13200.00	H	-	-	-78.82	13.82	42.00	-53.25	-25.00	-28.25
15840.00	H	-	-	-79.50	16.90	44.40	-50.86	-25.00	-25.86
18480.00	H	-	-	-56.95	1.80	51.85	-52.95	-25.00	-27.95
21120.00	H	-	-	-57.88	3.66	52.78	-52.02	-25.00	-27.02
23760.00	H	-	-	-57.87	3.96	53.09	-51.71	-25.00	-26.71

Table 7-102. Radiated Spurious Data (NR Band n41 – High Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
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	H	-	-	-76.12	4.75	35.63	-59.63	-25.00	-34.63
7638.03	H	-	-	-77.16	7.81	37.65	-57.60	-25.00	-32.60
10184.04	H	-	-	-78.40	10.81	39.41	-55.85	-25.00	-30.85
12730.05	H	-	-	-78.83	13.99	42.16	-53.10	-25.00	-28.10
15276.06	H	-	-	-79.01	15.86	43.85	-51.40	-25.00	-26.40
17822.07	H	241	352	-78.56	18.30	46.74	-48.52	-25.00	-23.52
20368.08	H	-	-	-56.23	3.24	54.01	-41.25	-25.00	-16.25
22914.09	H	-	-	-56.53	3.86	54.33	-40.93	-25.00	-15.93

Table 7-103. Radiated Spurious Data with WCP (NR Band n41 – Ant F)

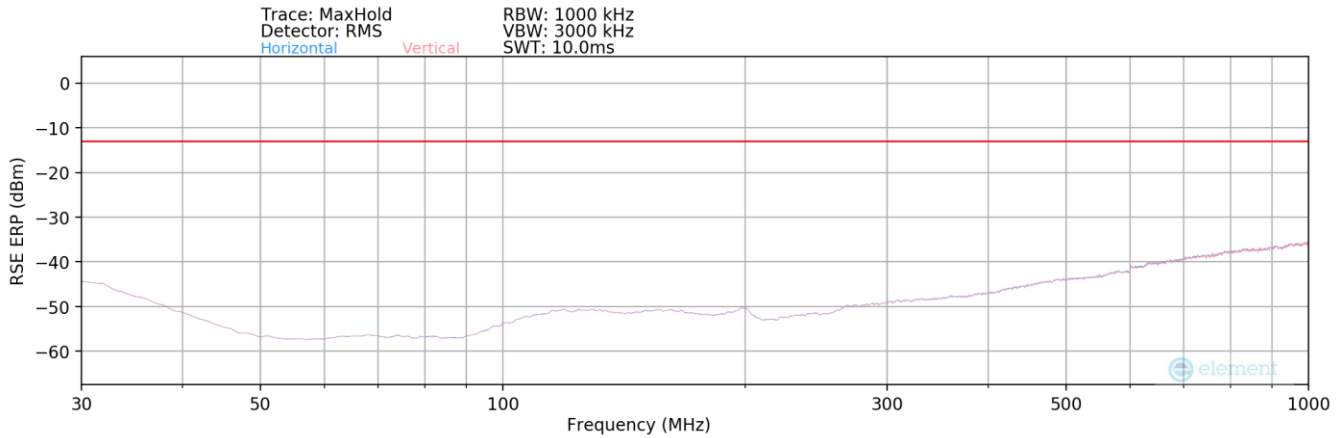
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 354 of 379

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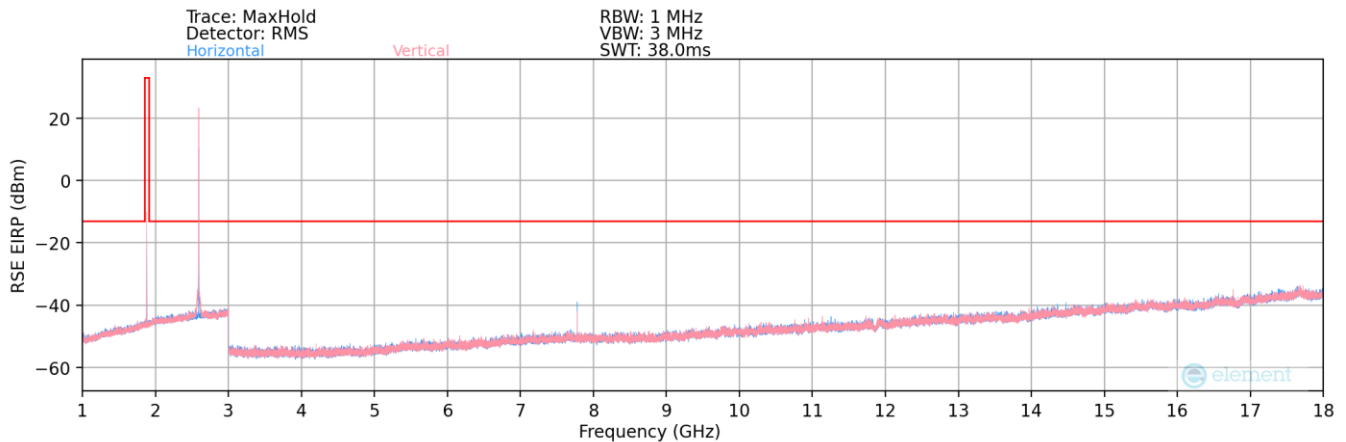
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EN-DC n41 (Ant F) – Band 2



Plot 7-575. Radiated Spurious Plot (NR 41 [Ant F] – Band 2)



Plot 7-576. Radiated Spurious Plot (NR 41 [Ant F] – Band 2)

Bandwidth (MHz):	100 & 20
Frequency (MHz):	2593 & 1880
RB / Offset:	1/136 & 1/50
Mode:	EN-DC
Anchor Band:	LTE Band 2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
454.00	H	-	-	-108.23	25.01	23.78	-71.48	-25.00	-46.48
3111.00	H	-	-	-73.98	5.22	38.24	-57.02	-25.00	-32.02
3306.00	H	-	-	-73.56	5.32	38.76	-56.49	-25.00	-31.49
3824.00	H	-	-	-74.94	5.90	37.96	-57.30	-25.00	-32.30
7778.50	H	316	257	-62.86	12.72	56.86	-38.40	-25.00	-13.40

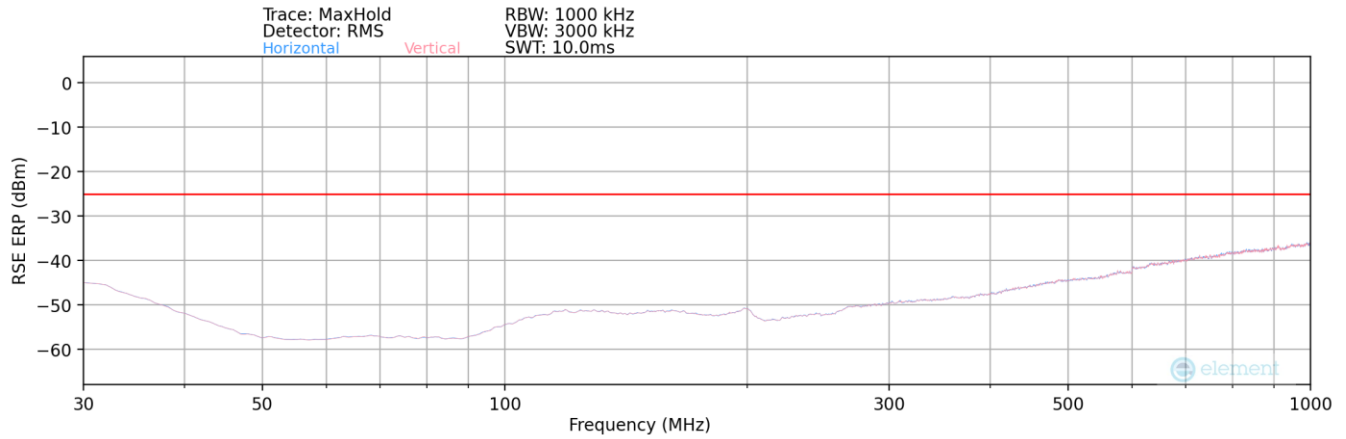
Table 7-104 . Radiated Spurious Data (NR 41 [Ant F] – Band 2)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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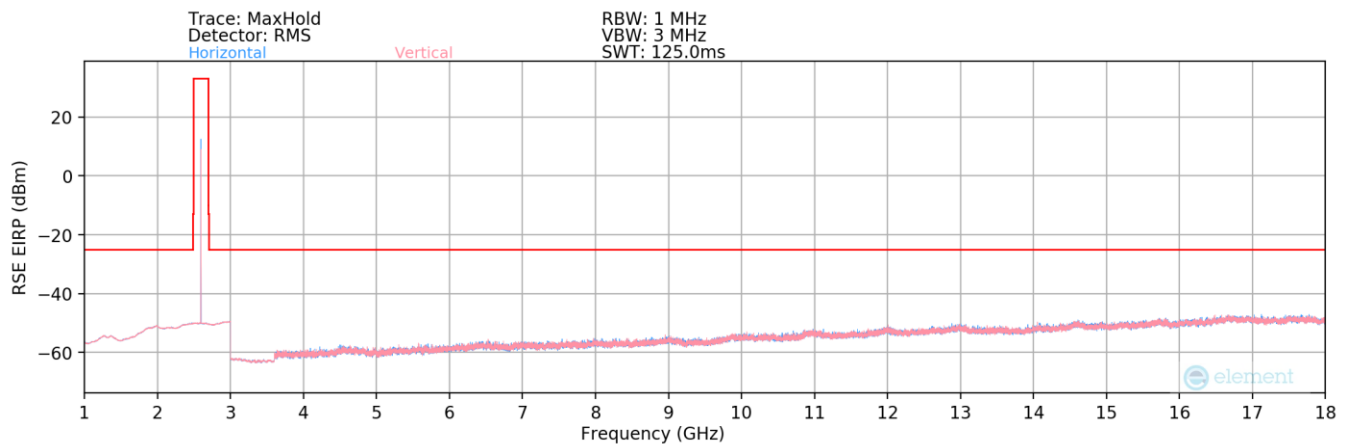
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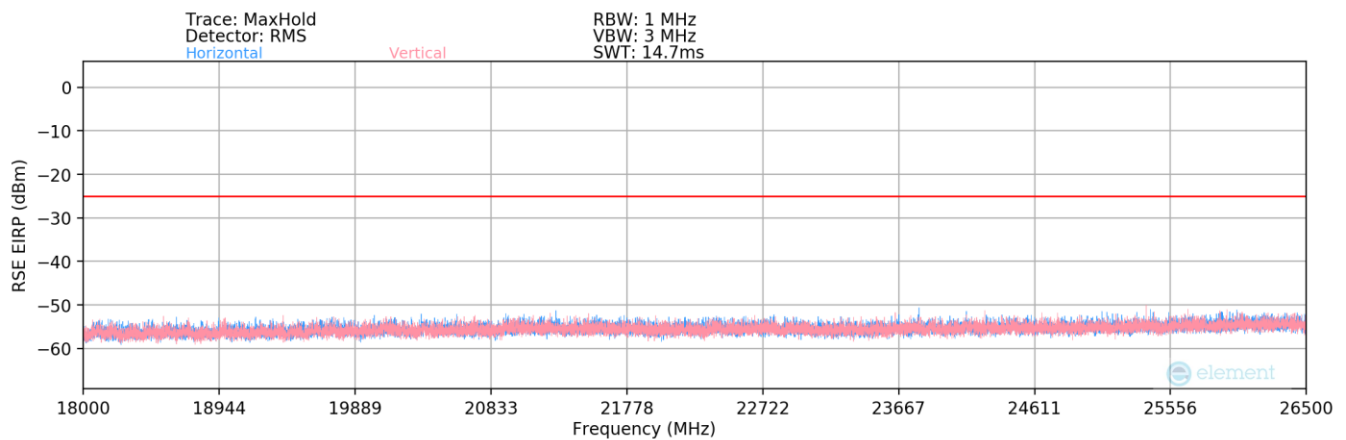
NR Band n41 – Ant B



Plot 7-577. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-578. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-579. Radiated Spurious Plot (NR Band n41 – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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]
118.00	V	-	-	-98.34	20.45	29.11	-68.30	-25.00	-43.30
381.00	V	-	-	-96.07	22.95	33.88	-63.52	-25.00	-38.52

Table 7-105. Radiated Spurious Data Below 1GHz (NR Band n41 – Low Channel – Ant B)

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	H	-	-	-76.33	4.75	35.42	-59.84	-25.00	-34.84
7638.03	H	-	-	-76.79	7.81	38.02	-57.23	-25.00	-32.23
10184.04	H	-	-	-78.38	10.81	39.43	-55.83	-25.00	-30.83
12730.05	H	-	-	-79.10	13.99	41.89	-53.37	-25.00	-28.37

Table 7-106. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

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	H	-	-	-76.62	5.06	35.44	-59.81	-25.00	-34.81
7778.97	H	261	67	-75.61	7.29	38.68	-56.57	-25.00	-31.57
10371.96	H	-	-	-78.78	11.01	39.23	-56.03	-25.00	-31.03
12964.95	H	-	-	-79.15	14.59	42.44	-52.82	-25.00	-27.82
15557.94	H	-	-	-79.20	15.64	43.44	-51.82	-25.00	-26.82

Table 7-107. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

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	H	-	-	-76.58	4.75	35.17	-60.09	-25.00	-35.09
7920.00	H	-	-	-77.45	8.35	37.90	-57.36	-25.00	-32.36
10560.00	H	-	-	-79.55	11.58	39.03	-56.23	-25.00	-31.23
13200.00	H	-	-	-79.13	13.82	41.69	-53.56	-25.00	-28.56

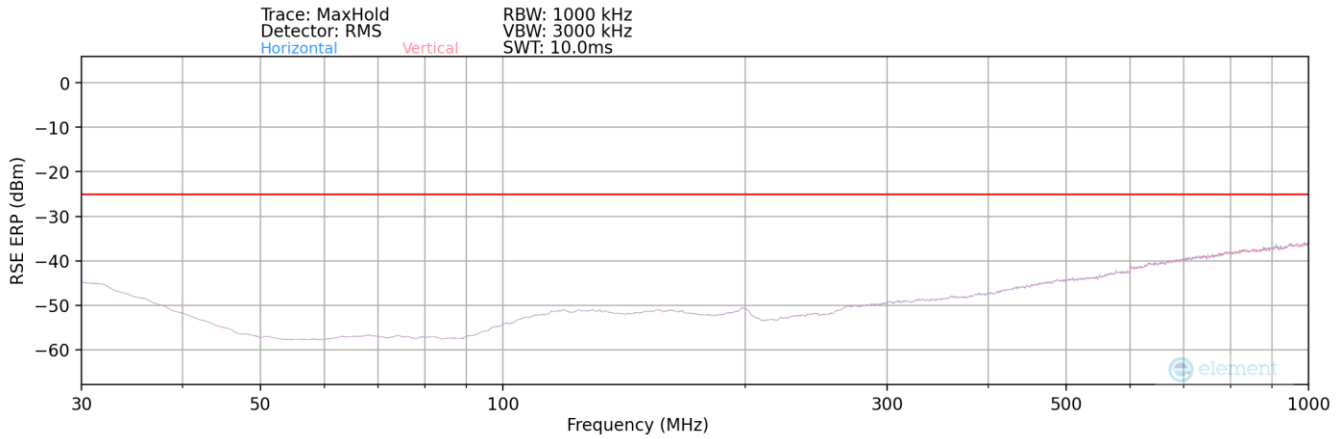
Table 7-108. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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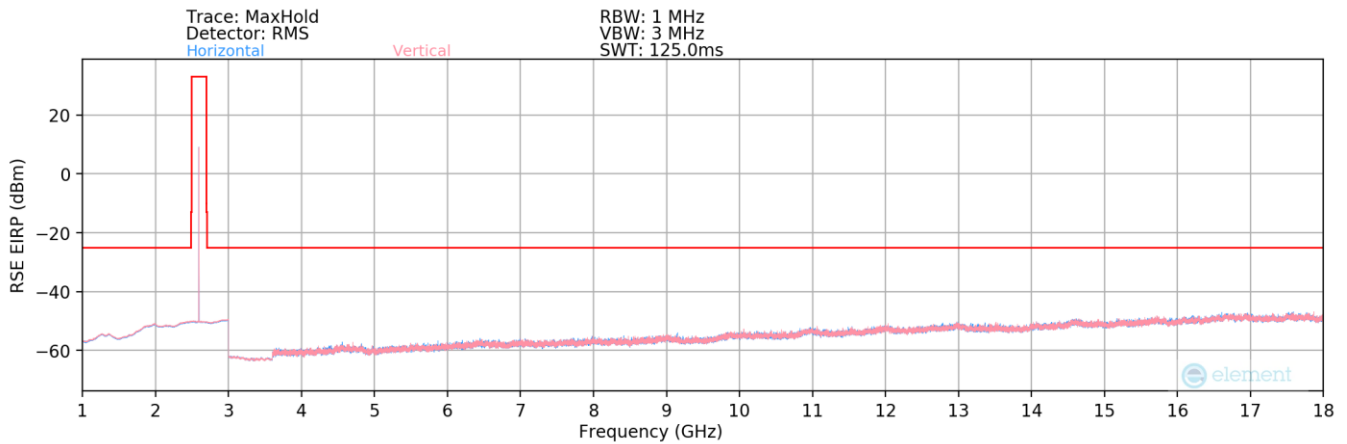
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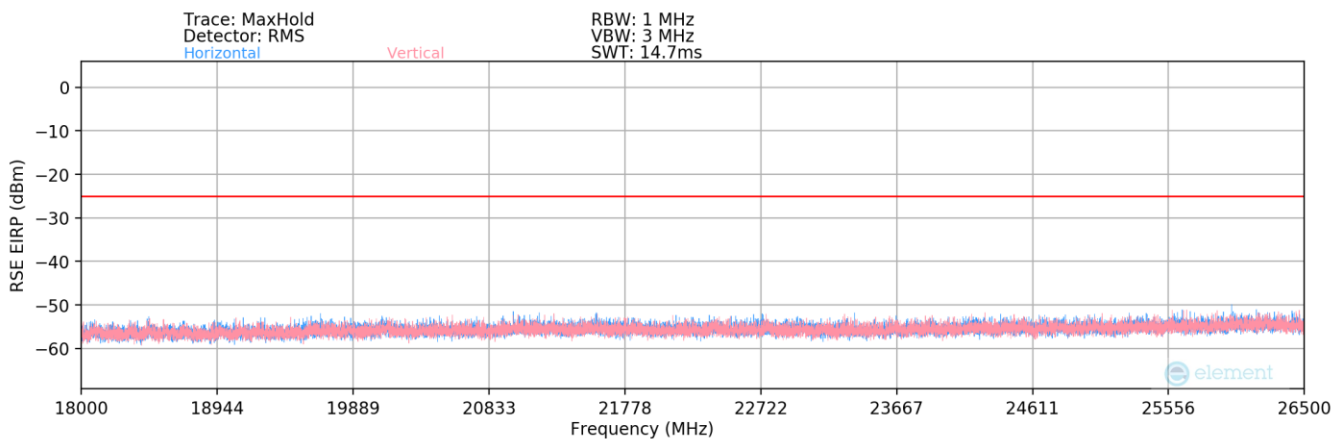
NR Band n41 – Ant E



Plot 7-580. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-581. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-582. Radiated Spurious Plot (NR Band n41 – Ant E)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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]
155.00	V	-	-	-98.06	20.09	29.03	-68.37	-25.00	-43.37
308.00	V	-	-	-97.81	21.67	30.86	-66.55	-25.00	-41.55

Table 7-109. Radiated Spurious Data Below 1GHz (NR Band n41 – Mid Channel – Ant E)

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	H	150	48	-74.68	4.75	37.07	-58.19	-25.00	-33.19
7638.03	H	231	61	-77.11	7.81	37.70	-57.55	-25.00	-32.55
10184.04	H	-	-	-78.58	10.81	39.23	-56.03	-25.00	-31.03
12730.05	H	-	-	-79.06	13.99	41.93	-53.33	-25.00	-28.33
15276.06	H	-	-	-79.26	15.86	43.60	-51.65	-25.00	-26.65

Table 7-110. 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	H	-	-	-76.28	5.06	35.78	-59.47	-25.00	-34.47
7778.97	H	245	57	-75.52	7.29	38.77	-56.48	-25.00	-31.48
10371.96	H	220	317	-79.04	11.01	38.97	-56.29	-25.00	-31.29
12964.95	H	-	-	-79.56	14.59	42.03	-53.23	-25.00	-28.23
15557.94	H	-	-	-79.27	15.64	43.37	-51.89	-25.00	-26.89

Table 7-111. 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	H	-	-	-76.73	4.75	35.02	-60.24	-25.00	-35.24
7920.00	H	-	-	-77.64	8.35	37.71	-57.55	-25.00	-32.55
10560.00	H	-	-	-79.34	11.58	39.24	-56.02	-25.00	-31.02

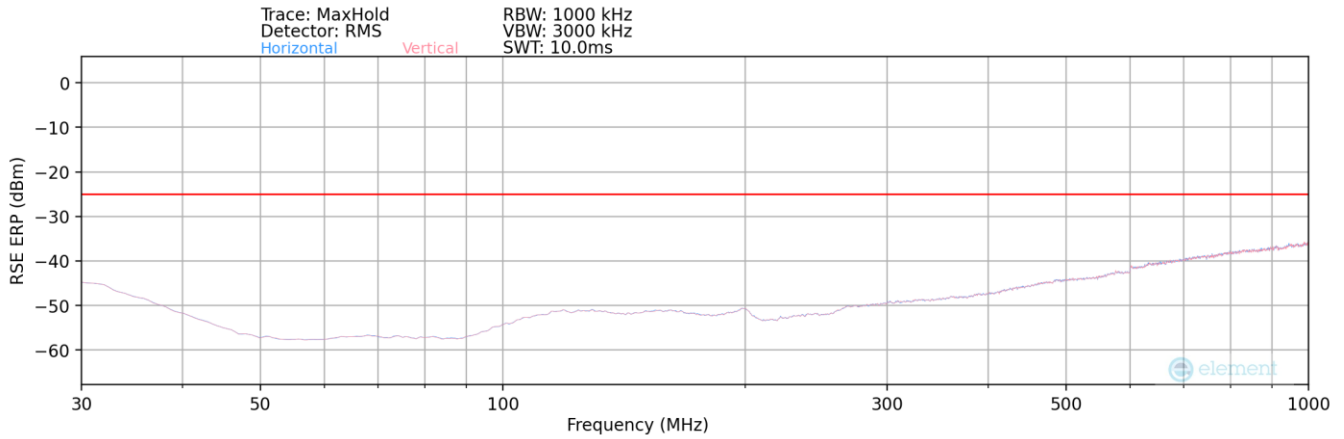
Table 7-112. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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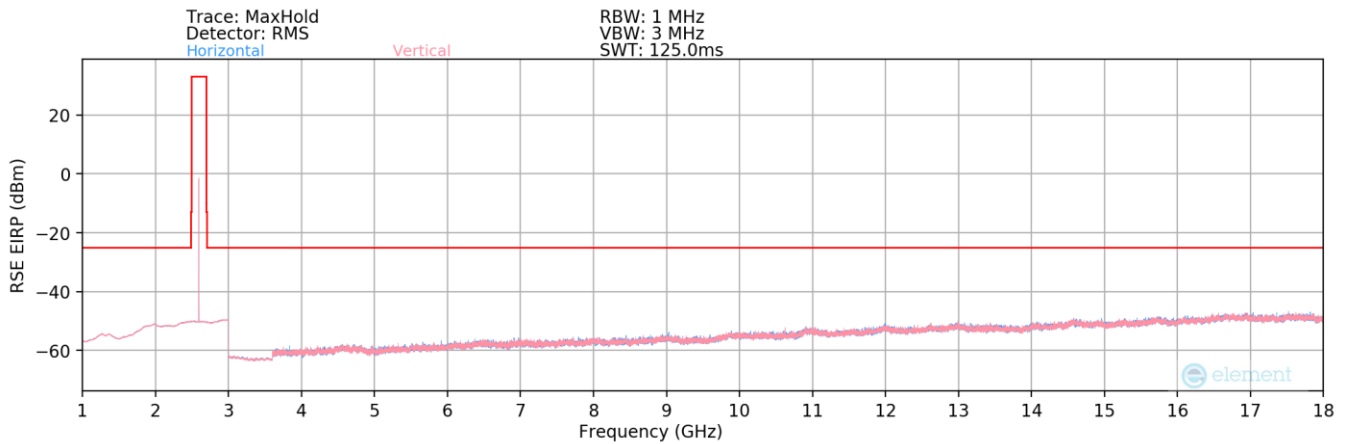
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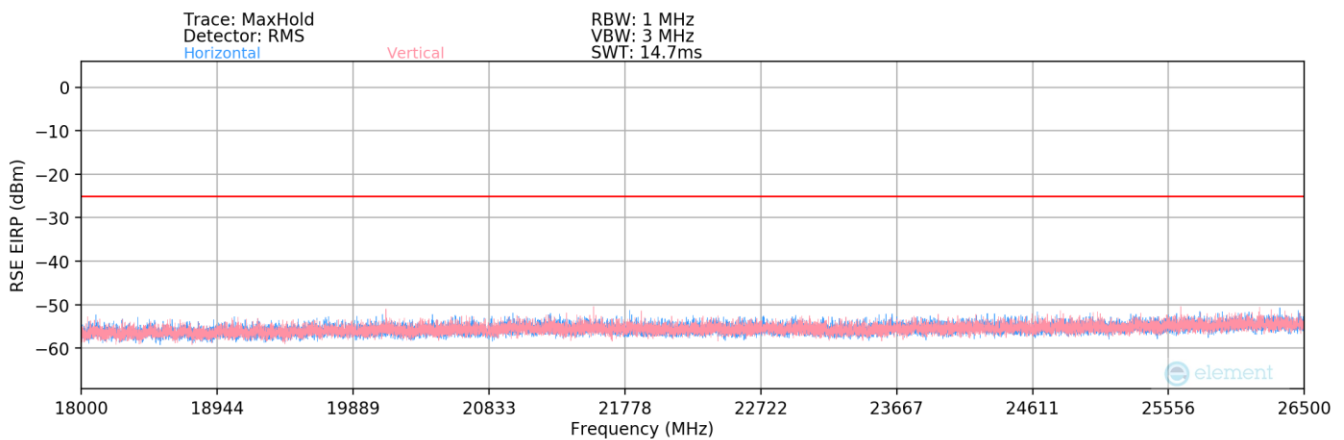
NR Band n41 – Ant D



Plot 7-583. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-584. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-585. Radiated Spurious Plot (NR Band n41 – Ant D)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
93.10	H	-	-	-82.72	15.06	39.34	-58.07	-25.00	-33.07
302.72	H	-	-	-82.49	21.12	45.63	-51.77	-25.00	-26.77
482.21	H	-	-	-82.19	25.34	50.15	-47.26	-25.00	-22.26

Table 7-113. Radiated Spurious Data Below 1GHz (NR Band n41 – Low Channel – Ant D)

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	-	-	-76.12	4.75	35.63	-59.63	-25.00	-34.63
7638.03	V	-	-	-77.41	7.81	37.40	-57.85	-25.00	-32.85
10184.04	V	-	-	-78.20	10.81	39.61	-55.65	-25.00	-30.65

Table 7-114. 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	137	354	-75.28	5.06	36.78	-58.47	-25.00	-33.47
7778.97	V	-	-	-76.71	7.29	37.58	-57.67	-25.00	-32.67
10371.96	V	-	-	-79.07	11.01	38.94	-56.32	-25.00	-31.32
12964.95	V	-	-	-79.19	14.59	42.40	-52.86	-25.00	-27.86

Table 7-115. 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	125	353	-73.83	4.75	37.92	-57.34	-25.00	-32.34
7920.00	V	-	-	-77.63	8.35	37.72	-57.54	-25.00	-32.54
10560.00	V	-	-	-79.30	11.58	39.28	-55.98	-25.00	-30.98
13200.00	V	-	-	-79.13	13.82	41.69	-53.56	-25.00	-28.56

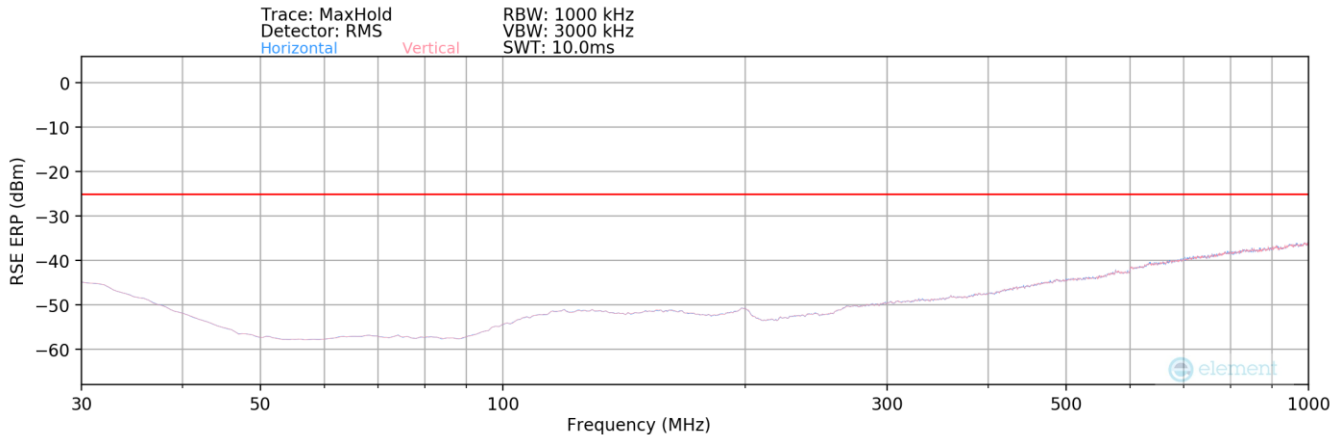
Table 7-116. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 361 of 379

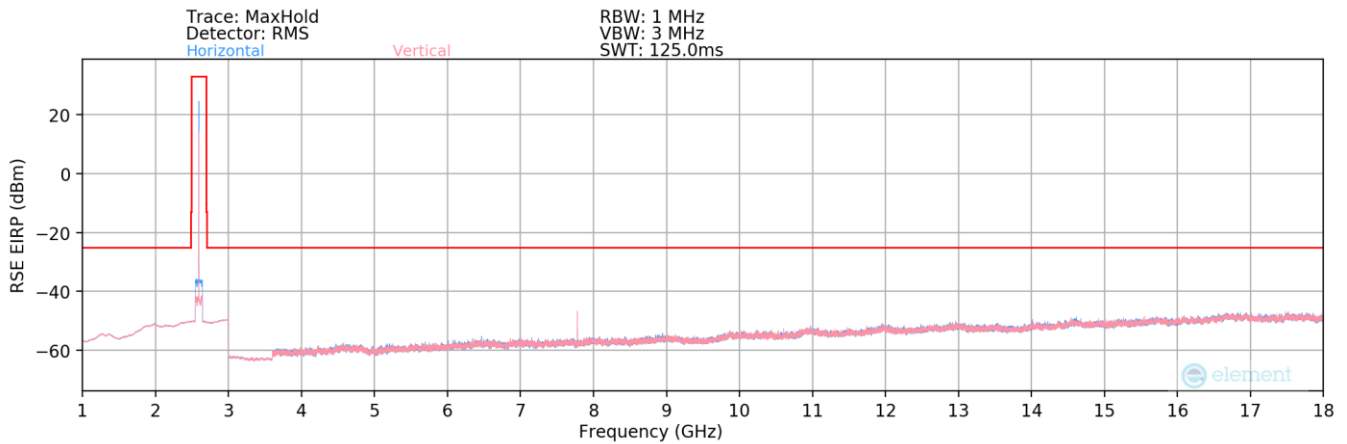
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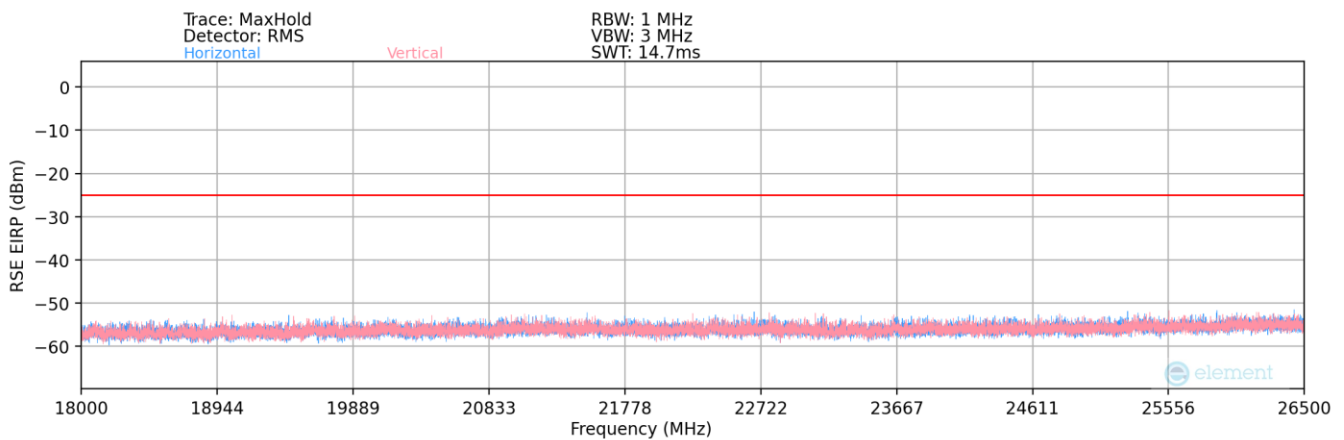
NR Band n41 – Switching Ant B



Plot 7-586. Radiated Spurious Plot (NR Band n41 – Switching Ant B)



Plot 7-587. Radiated Spurious Plot (NR Band n41 – Switching Ant B)



Plot 7-588. Radiated Spurious Plot (NR Band n41 – Switching Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-04.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 362 of 379



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]
928.35	V	-	-	-83.67	31.13	54.46	-42.95	-25.00	-17.95

Table 7-117. Radiated Spurious Data Below 1GHz (NR Band n41 – Mid Channel – Switching Ant B)

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	193	165	-73.05	4.75	38.70	-56.56	-25.00	-31.56
7638.03	V	124	207	-58.06	7.81	56.75	-38.50	-25.00	-13.50
10184.04	V	-	-	-78.02	10.81	39.79	-55.47	-25.00	-30.47
12730.05	V	-	-	-78.67	13.99	42.32	-52.94	-25.00	-27.94
15276.06	V	-	-	-78.66	15.86	44.20	-51.05	-25.00	-26.05

Table 7-118. Radiated Spurious Data (NR Band n41 – Low Channel – Switching Ant B)

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	365	208	-73.88	5.06	38.18	-57.07	-25.00	-32.07
7778.97	V	122	209	-60.17	7.29	54.12	-41.13	-25.00	-16.13
10371.96	V	-	-	-78.37	11.01	39.64	-55.62	-25.00	-30.62
12964.95	V	-	-	-78.82	14.59	42.77	-52.49	-25.00	-27.49
15557.94	V	-	-	-78.47	15.64	44.17	-51.09	-25.00	-26.09

Table 7-119. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching Ant B)

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	154	175	-73.93	4.75	37.82	-57.44	-25.00	-32.44
7920.00	V	121	204	-62.91	8.35	52.44	-42.82	-25.00	-17.82
10560.00	V	-	-	-79.17	11.58	39.41	-55.85	-25.00	-30.85
13200.00	V	-	-	-78.92	13.82	41.90	-53.35	-25.00	-28.35
15840.00	V	-	-	-79.25	16.90	44.65	-50.61	-25.00	-25.61

Table 7-120. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2546.0
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]
5092.00	V	243	230	-73.23	4.75	38.52	-56.74	-25.00	-31.74
7638.00	V	147	40	-59.77	7.81	55.04	-40.21	-25.00	-15.21
10184.00	V	-	-	-78.30	10.81	39.51	-55.75	-25.00	-30.75
12730.00	V	-	-	-78.68	13.99	42.31	-52.95	-25.00	-27.95
15276.00	V	-	-	-78.84	15.86	44.02	-51.23	-25.00	-26.23

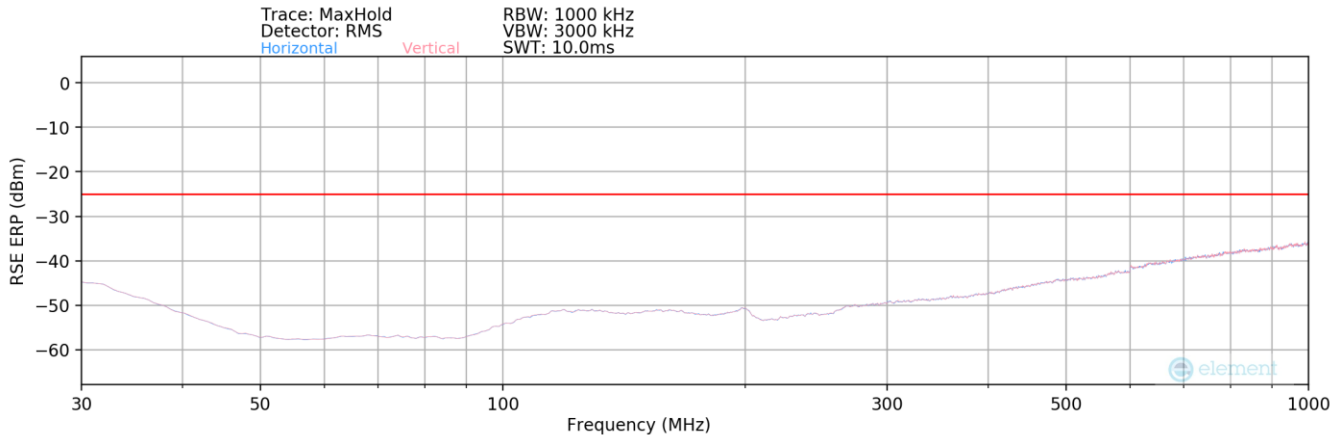
Table 7-121. Radiated Spurious Data with WCP (NR Band n41 – Low Channel – Switching Ant B)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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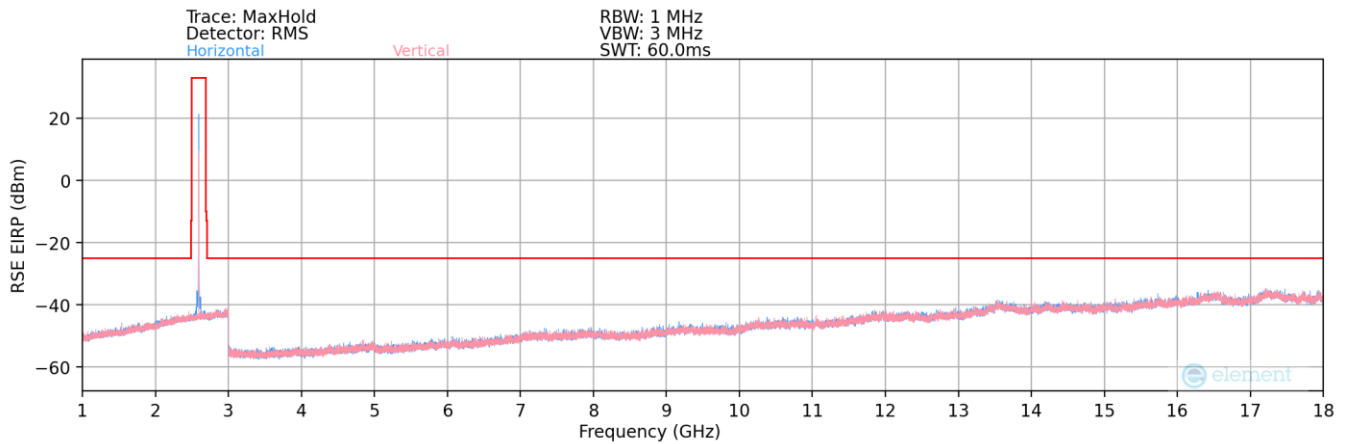
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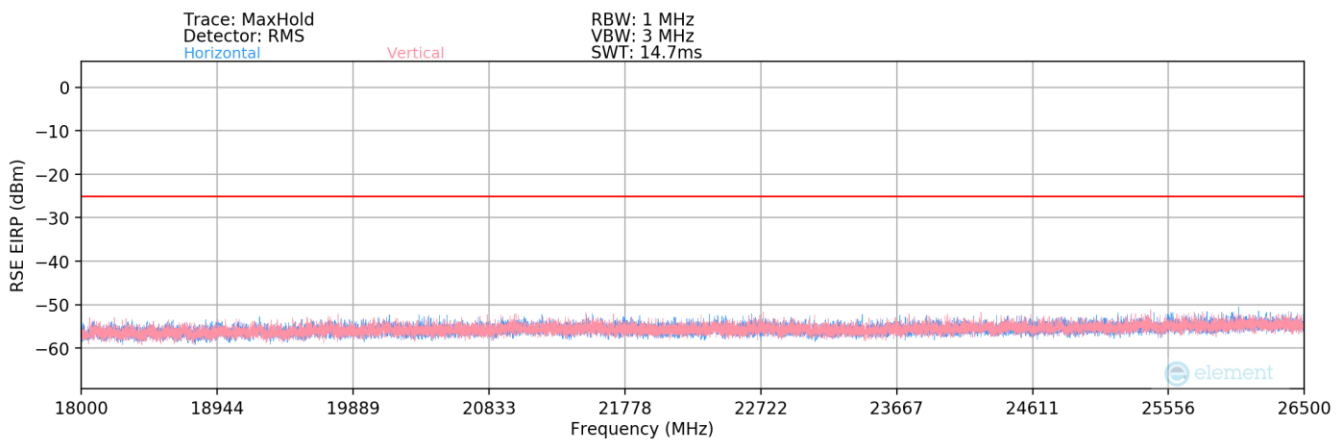
NR Band n41 – Switching Ant F



Plot 7-589. Radiated Spurious Plot (NR Band n41 – Switching Ant F)



Plot 7-590. Radiated Spurious Plot (NR Band n41 – Switching Ant F)



Plot 7-591. Radiated Spurious Plot (NR Band n41 – Switching Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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]
165.00	H	-	-	-97.70	19.64	28.94	-68.47	-25.00	-43.47
467.00	H	-	-	-97.01	25.35	35.34	-62.06	-25.00	-37.06

Table 7-122. Radiated Spurious Data Below 1GHz (NR Band n41 – Mid Channel – Switching Ant F)

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	-	-	-72.63	10.07	44.44	-50.82	-25.00	-25.82
7638.03	V	-	-	-73.83	15.69	48.86	-46.39	-25.00	-21.39
10184.04	V	-	-	-74.56	19.59	52.03	-43.23	-25.00	-18.23

Table 7-123. Radiated Spurious Data (NR Band n41 – Low Channel – Switching 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]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	102	45	-71.56	10.42	45.86	-49.40	-25.00	-24.40
7778.97	V	-	-	-72.15	15.58	50.43	-44.82	-25.00	-19.82
10371.96	V	-	-	-74.17	19.64	52.47	-42.79	-25.00	-17.79
12964.95	V	-	-	-75.10	24.22	56.12	-39.14	-25.00	-14.14

Table 7-124. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching 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	V	-	-	-72.20	10.28	45.08	-50.18	-25.00	-25.18
7920.00	V	-	-	-72.69	15.59	49.90	-45.36	-25.00	-20.36
10560.00	V	-	-	-74.09	19.59	52.50	-42.76	-25.00	-17.76

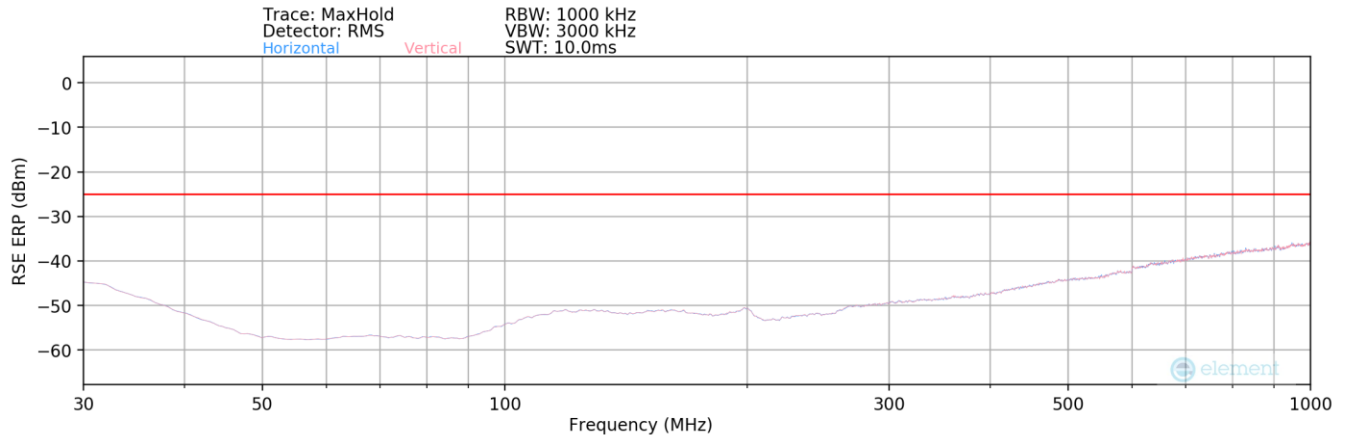
Table 7-125. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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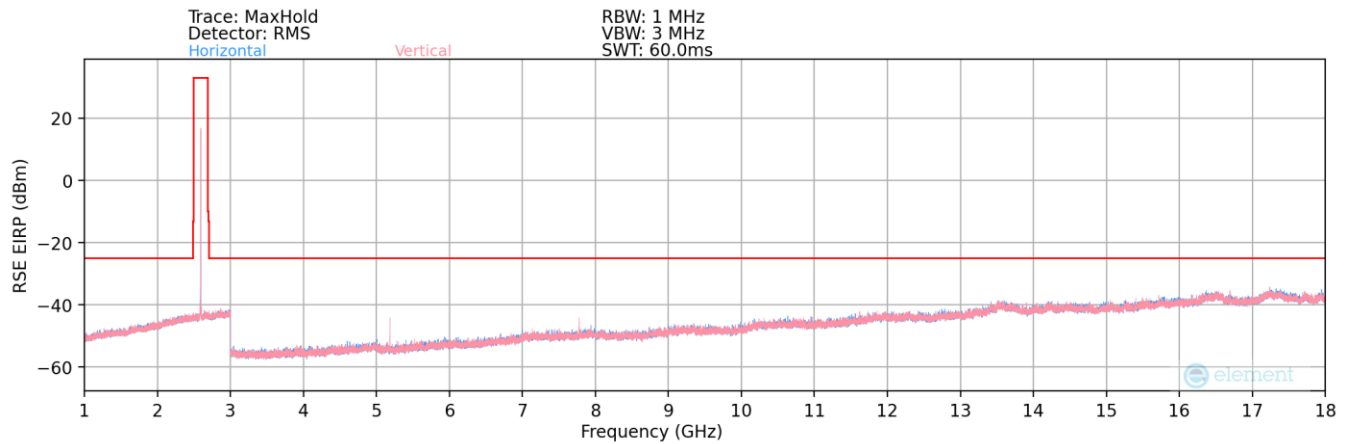
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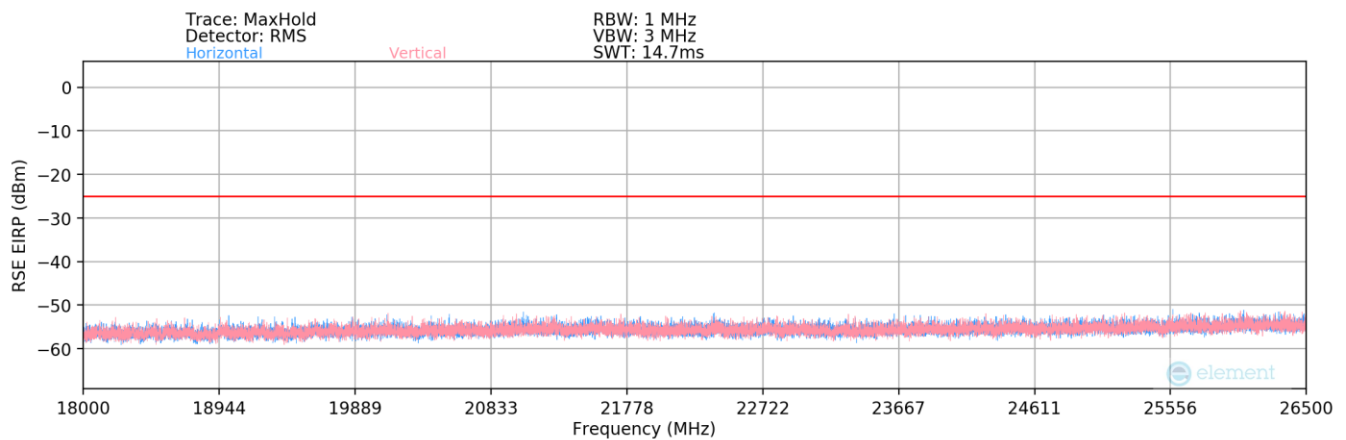
NR Band n41 – Switching Ant D



Plot 7-592. Radiated Spurious Plot (NR Band n41 – Switching Ant D)



Plot 7-593. Radiated Spurious Plot (NR Band n41 – Switching Ant D)



Plot 7-594. Radiated Spurious Plot (NR Band n41 – Switching Ant D)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
158.00	V	-	-	-97.33	19.68	29.35	-68.05	-25.00	-43.05
465.00	V	-	-	-98.66	25.36	33.70	-63.71	-25.00	-38.71

Table 7-126. Radiated Spurious Data Below 1GHz (NR Band n41 – High Channel – Switching Ant D)

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	102	44	-65.85	10.07	51.22	-44.04	-25.00	-19.04
7638.03	V	103	174	-67.77	15.69	54.92	-40.33	-25.00	-15.33
10184.04	V	-	-	-74.72	19.59	51.87	-43.39	-25.00	-18.39
12730.05	V	-	-	-75.57	23.46	54.89	-40.37	-25.00	-15.37
15276.06	V	-	-	-76.09	27.62	58.53	-36.73	-25.00	-11.73

Table 7-127. Radiated Spurious Data (NR Band n41 – Low Channel – Switching 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	112	48	-62.01	10.42	55.41	-39.85	-25.00	-14.85
7778.97	V	102	331	-67.24	15.58	55.34	-39.91	-25.00	-14.91
10371.96	V	-	-	-74.61	19.64	52.03	-43.23	-25.00	-18.23
12964.95	V	-	-	-74.77	24.22	56.45	-38.81	-25.00	-13.81
15557.94	V	-	-	-76.38	28.40	59.02	-36.23	-25.00	-11.23

Table 7-128. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching 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	125	21	-63.61	10.28	53.67	-41.59	-25.00	-16.59
7920.00	V	108	203	-64.99	15.59	57.60	-37.66	-25.00	-12.66
10560.00	V	-	-	-73.15	19.59	53.44	-41.82	-25.00	-16.82
13200.00	V	-	-	-75.49	24.13	55.64	-39.62	-25.00	-14.62
15840.00	V	-	-	-75.77	27.78	59.01	-36.25	-25.00	-11.25

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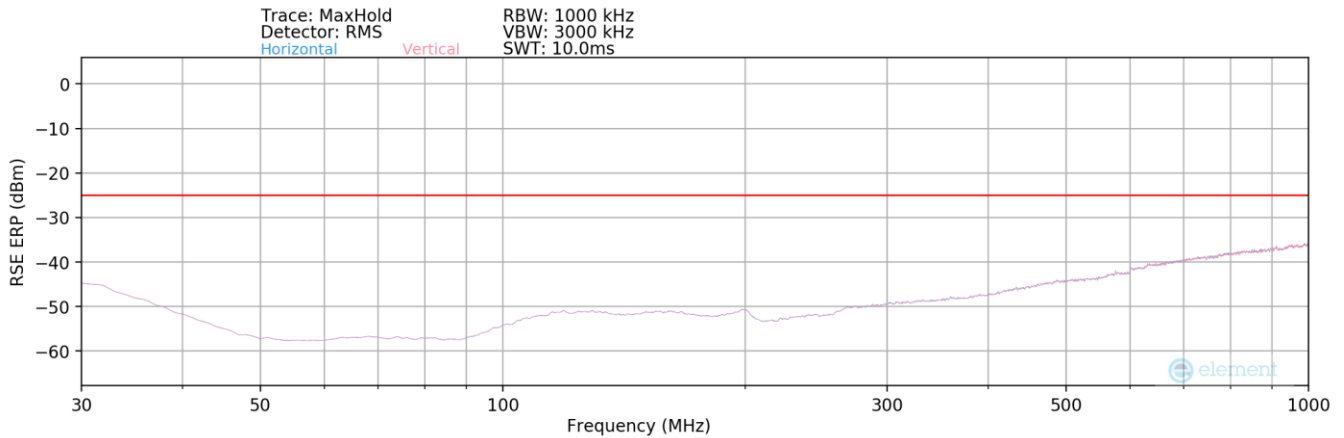
Table 7-129. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant D)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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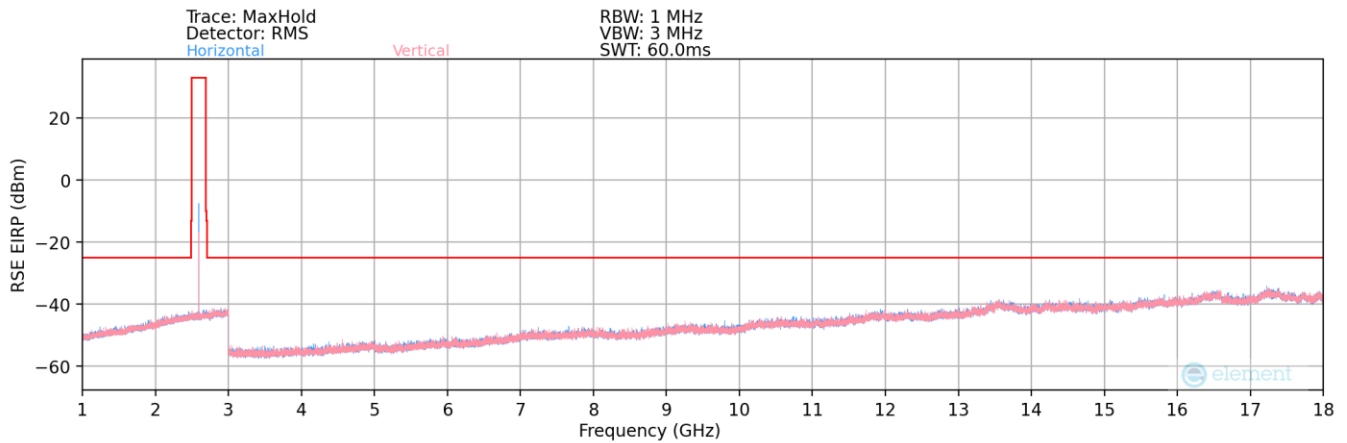
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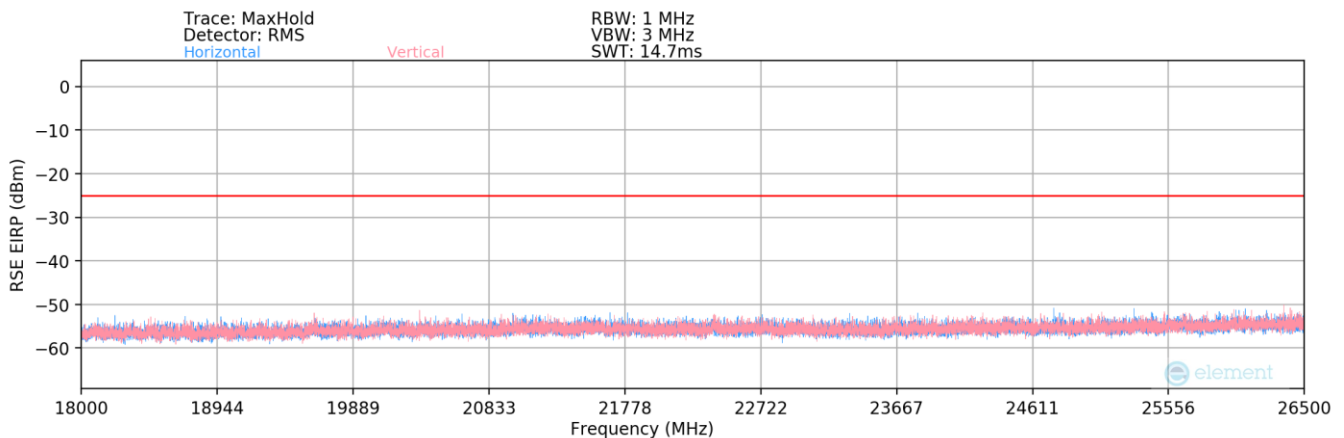
NR Band n41 – Switching – Ant E



Plot 7-595. Radiated Spurious Plot (NR Band n41 – Switching Ant E)



Plot 7-596. Radiated Spurious Plot (NR Band n41 – Switching Ant E)



Plot 7-597. Radiated Spurious Plot (NR Band n41 – Switching Ant E)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	-	-	-71.51	10.07	45.56	-49.70	-25.00	-24.70
7638.03	V	-	-	-72.85	15.69	49.84	-45.41	-25.00	-20.41
10184.04	V	-	-	-73.96	19.59	52.63	-42.63	-25.00	-17.63

Table 7-130. Radiated Spurious Data (NR Band n41 – Low Channel – Switching 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	V	107	41	-70.72	10.42	46.70	-48.56	-25.00	-23.56
7778.97	V	-	-	-72.45	15.58	50.13	-45.12	-25.00	-20.12
10371.96	V	-	-	-74.37	19.64	52.27	-42.99	-25.00	-17.99
12964.95	V	-	-	-75.21	24.22	56.01	-39.25	-25.00	-14.25

Table 7-131. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching 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	V	-	-	-71.28	10.28	46.00	-49.26	-25.00	-24.26
7920.00	V	-	-	-72.42	15.59	50.17	-45.09	-25.00	-20.09
10560.00	V	-	-	-73.04	19.59	53.55	-41.71	-25.00	-16.71

Table 7-132. Radiated Spurious Data (NR Band n41 – High Channel – Switching 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]
70.00	V	-	-	-78.96	14.83	42.87	-54.53	-25.00	-29.53
220.00	V	-	-	-77.90	18.05	47.15	-50.26	-25.00	-25.26

Table 7-133. Radiated Spurious Data Below 1GHz (NR Band n41 – Mid Channel – Switching Ant E)

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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

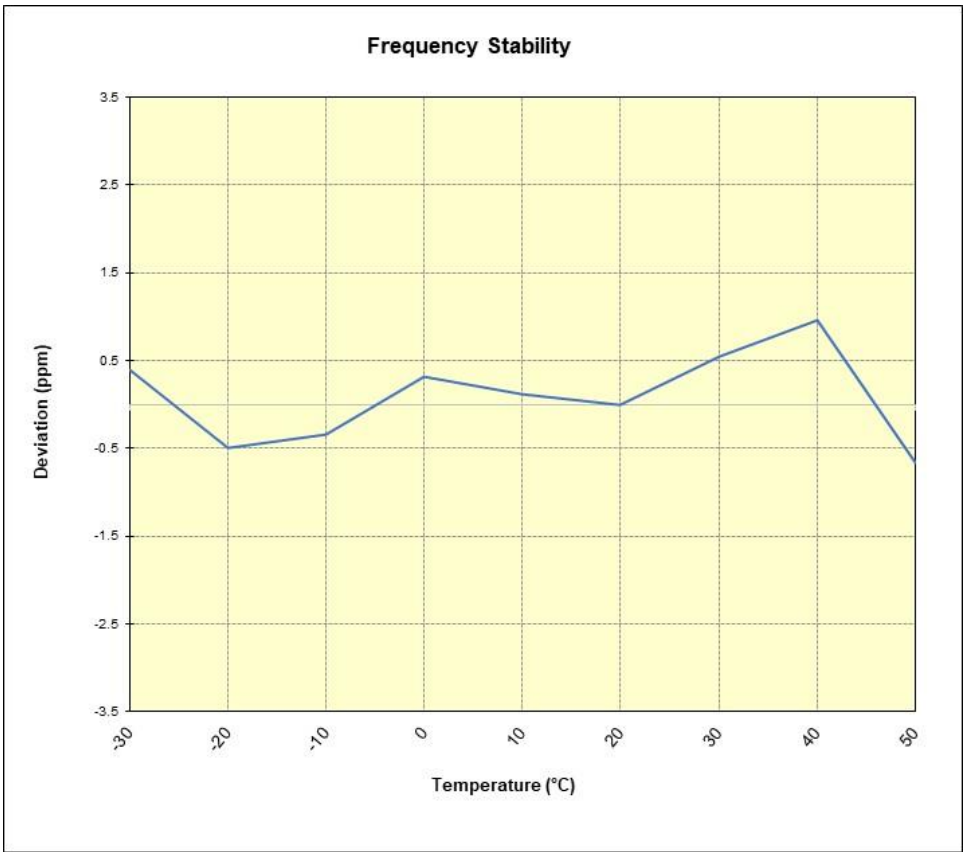
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LTE Band 30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.35	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	2,310,089,756	917	0.0000397
		- 20	2,310,087,693	-1,146	-0.0000496
		- 10	2,310,088,065	-773	-0.0000335
		0	2,310,089,552	714	0.0000309
		+ 10	2,310,089,098	259	0.0000112
		+ 20 (Ref)	2,310,088,839	0	0.0000000
		+ 30	2,310,090,099	1,260	0.0000545
		+ 40	2,310,091,047	2,208	0.0000956
Battery Endpoint	3.69	+ 20	2,310,089,602	763	0.0000330

Table 7-134. LTE Band 30 (Ant A) Frequency Stability Data

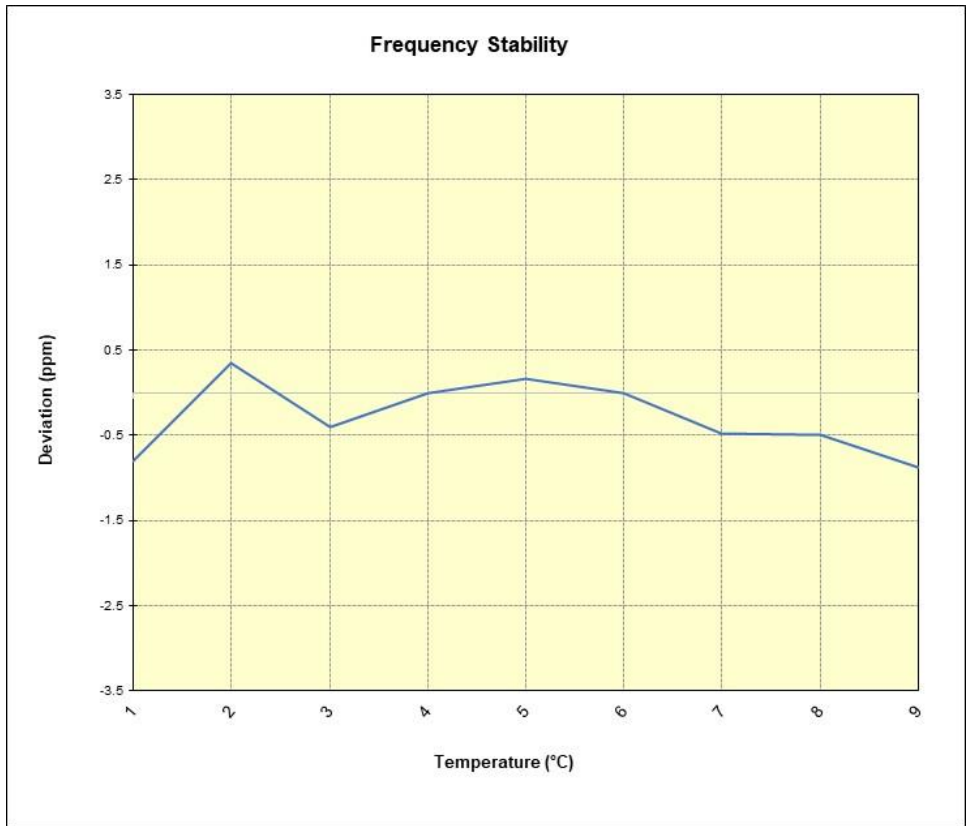


Plot 7-598. LTE Band 30 (Ant A) Frequency Stability Chart

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LTE Band 7					
		Operating Frequency (Hz):		2,535,000,000	
		Ref. Voltage (VDC):		4.35	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	2,535,091,735	-2,015	-0.0000795
		- 20	2,535,094,612	862	0.0000340
		- 10	2,535,092,733	-1,016	-0.0000401
		0	2,535,093,738	-12	-0.0000005
		+ 10	2,535,094,171	421	0.0000166
		+ 20 (Ref)	2,535,093,750	0	0.0000000
		+ 30	2,535,092,525	-1,224	-0.0000483
		+ 40	2,535,092,497	-1,252	-0.0000494
		+ 50	2,535,091,507	-2,243	-0.0000885
Battery Endpoint	3.69	+ 20	2,535,093,067	-683	-0.0000269

Table 7-135. LTE Band 7 (Ant B) Frequency Stability Data

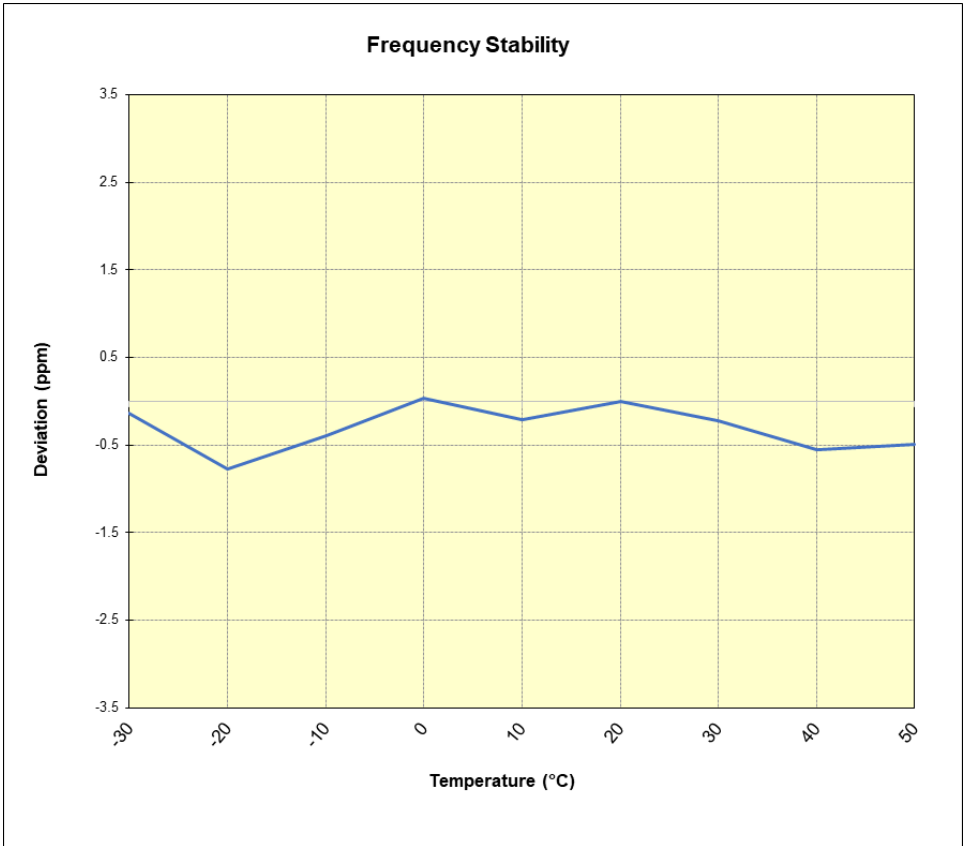


Plot 7-599. LTE Band 7 (Ant B) Frequency Stability Chart

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41/38					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.35	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	2,593,092,323	-338	-0.0000130
		- 20	2,593,090,646	-2,015	-0.0000777
		- 10	2,593,091,652	-1,009	-0.0000389
		0	2,593,092,755	94	0.0000036
		+ 10	2,593,092,104	-557	-0.0000215
		+ 20 (Ref)	2,593,092,661	0	0.0000000
		+ 30	2,593,092,103	-558	-0.0000215
		+ 40	2,593,091,227	-1,434	-0.0000553
Battery Endpoint	3.69	+ 20	2,593,092,057	-604	-0.0000233

Table 7-136. LTE Band 41 (Ant B) Frequency Stability Data



Plot 7-600. LTE Band 41 (Ant B) Frequency Stability Chart

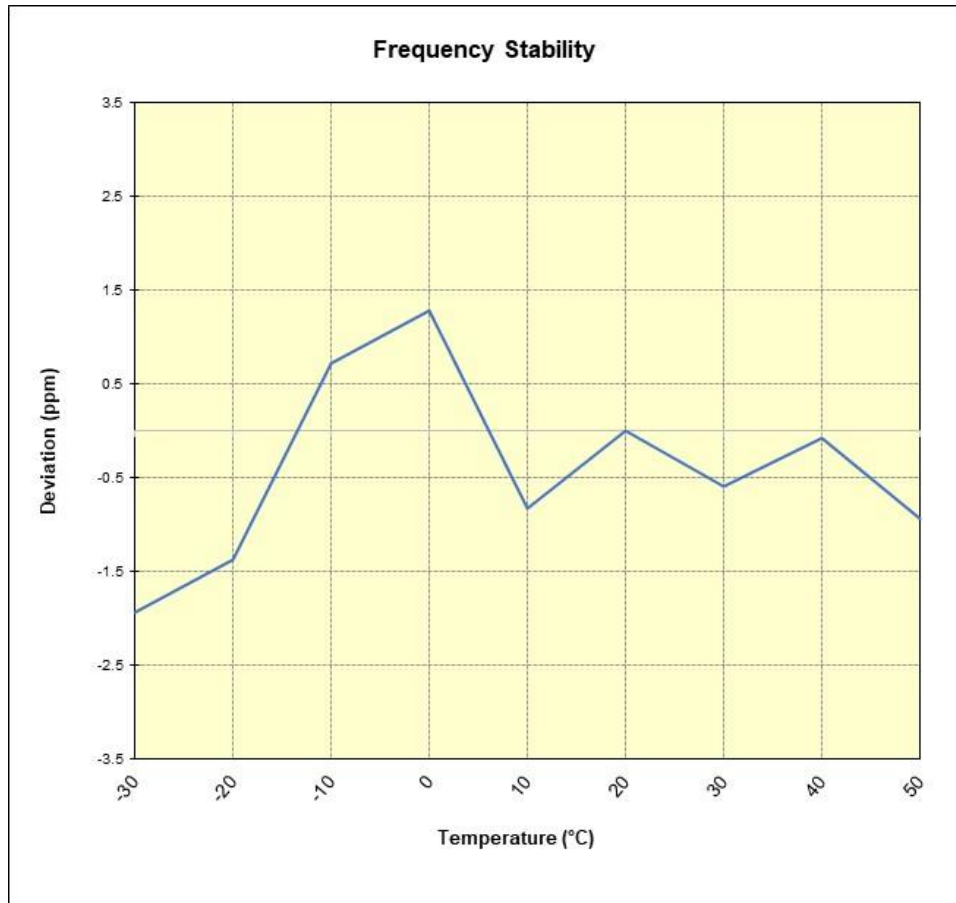
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

Operating Frequency (Hz):	2,310,000,000
Ref. Voltage (VDC):	4.35

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	2,310,094,168	-4,491	-0.0001944
		- 20	2,310,095,487	-3,172	-0.0001373
		- 10	2,310,100,321	1,662	0.0000719
		0	2,310,101,634	2,975	0.0001288
		+ 10	2,310,096,749	-1,910	-0.0000827
		+ 20 (Ref)	2,310,098,659	0	0.0000000
		+ 30	2,310,097,305	-1,354	-0.0000586
		+ 40	2,310,098,481	-178	-0.0000077
		+ 50	2,310,096,493	-2,166	-0.0000938
Battery Endpoint	3.69	+ 20	2,310,099,798	1,139	0.0000493

Table 7-137. NR Band n30 (Ant A) Frequency Stability Data

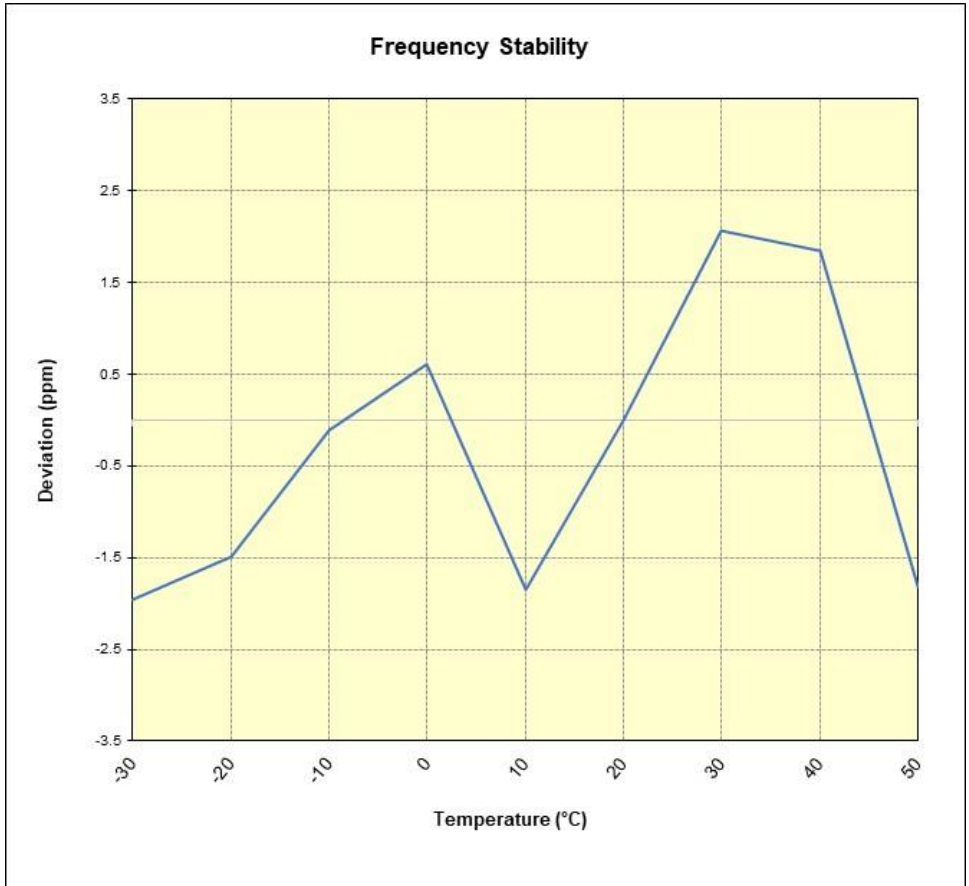


Plot 7-601. NR Band n30 (Ant A) Frequency Stability Chart

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7					
Operating Frequency (Hz):		2,535,000,000			
Ref. Voltage (VDC):		4.35			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	2,535,098,172	-4,959	-0.0001956
		- 20	2,535,099,345	-3,786	-0.0001493
		- 10	2,535,102,849	-282	-0.0000111
		0	2,535,104,652	1,521	0.0000600
		+ 10	2,535,098,448	-4,683	-0.0001847
		+ 20 (Ref)	2,535,103,131	0	0.0000000
		+ 30	2,535,108,369	5,238	0.0002066
		+ 40	2,535,107,812	4,681	0.0001846
Battery Endpoint	3.69	+ 20	2,535,103,856	725	0.0000286

Table 7-138. NR Band n7 (Ant B) Frequency Stability Data

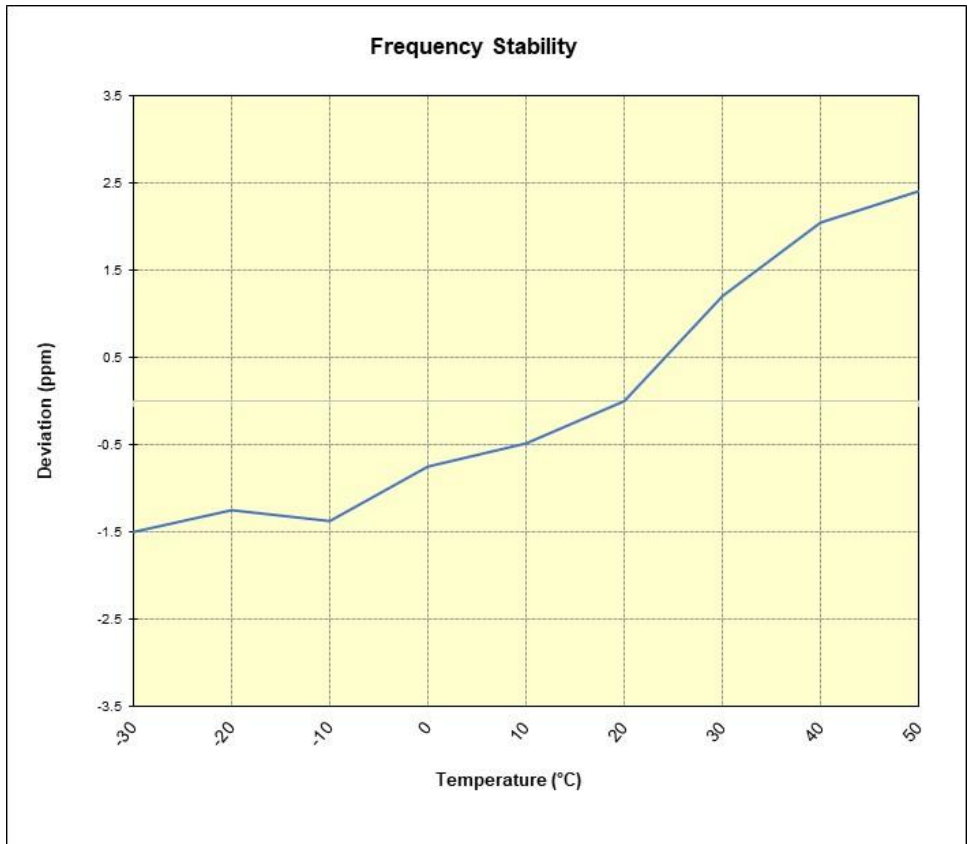


Plot 7-602. NR Band n7 (Ant B) Frequency Stability Chart

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41/38					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.35	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	2,592,992,850	-3,881	-0.0001497
		- 20	2,592,993,471	-3,260	-0.0001257
		- 10	2,592,993,164	-3,567	-0.0001376
		0	2,592,994,783	-1,948	-0.0000751
		+ 10	2,592,995,469	-1,262	-0.0000487
		+ 20 (Ref)	2,592,996,731	0	0.0000000
		+ 30	2,592,999,869	3,138	0.0001210
		+ 40	2,593,002,027	5,296	0.0002042
Battery Endpoint	3.69	+ 20	2,592,994,941	-1,790	-0.0000690

Table 7-139. NR Band n41/38 (Ant F) Frequency Stability Data



Plot 7-603. NR Band n41/38 (Ant F) Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS916U** complies with all the requirements of Part 27 of the FCC rules.

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