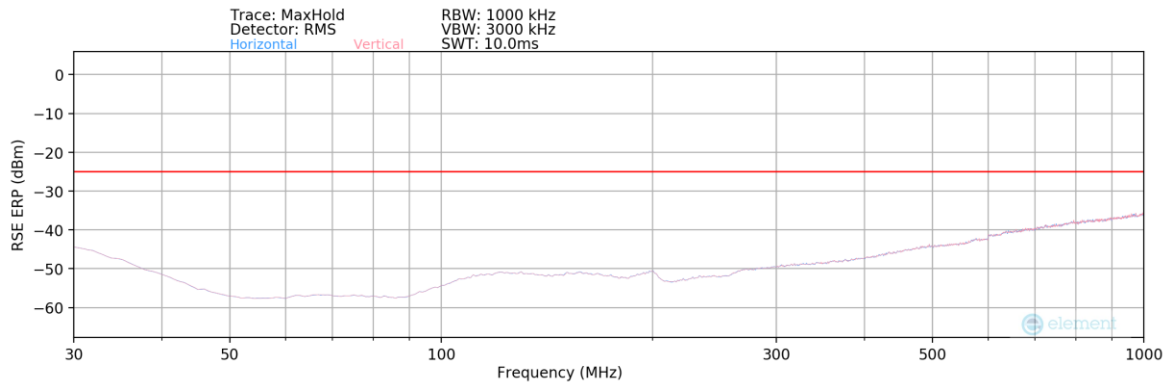


NR n41 PC2 – Main2

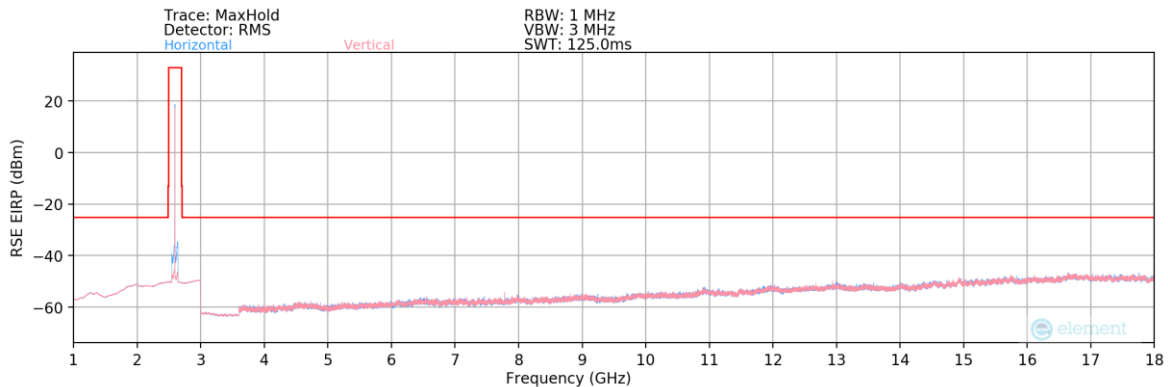


Plot 7-228. Radiated Spurious Plot 30MHz-1GHz (NR Band n41 PC2 – Main2)

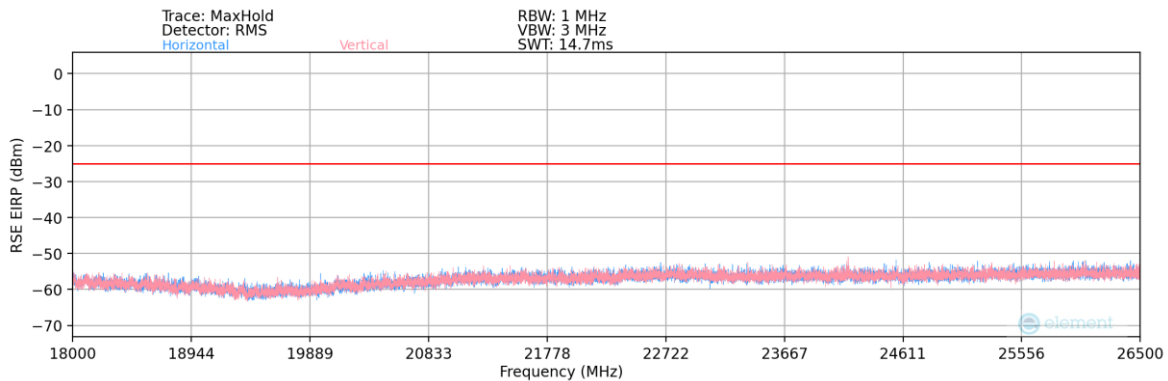
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
716.00	V	-	-	-85.36	29.15	50.79	-46.62	-25.00	-21.62

Table 7-41. Radiated Spurious Data 30MHz-1GHz (NR Band n41 PC2 – Mid Channel – Main2)



Plot 7-229. Radiated Spurious Plot 1-18GHz (NR Band n41 PC2 – Main2)



Plot 7-230. Radiated Spurious Plot 18-26.5GHz (NR Band n41 PC2 – Main2)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset	Page 153 of 171

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.02	V	382	68	-74.48	4.49	37.01	-58.25	-25.00	-33.25
7638.03	V	133	37	-71.23	7.51	43.28	-51.98	-25.00	-26.98
10184.04	V	-	-	-78.97	10.44	38.47	-56.79	-25.00	-31.79
12730.05	V	-	-	-79.93	13.71	40.78	-54.48	-25.00	-29.48
15276.06	V	-	-	-79.71	15.91	43.20	-52.05	-25.00	-27.05

Table 7-42. Radiated Spurious Data (NR Band n41 PC2 – Low Channel – Main2)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5185.98	V	365	101	-74.67	4.98	37.31	-57.95	-25.00	-32.95
7778.97	V	133	23	-70.62	6.85	43.23	-52.03	-25.00	-27.03
10371.96	V	-	-	-79.33	10.55	38.22	-57.04	-25.00	-32.04
12964.95	V	-	-	-79.71	14.00	41.29	-53.96	-25.00	-28.96
15557.94	V	-	-	-79.63	15.96	43.33	-51.93	-25.00	-26.93

Table 7-43. Radiated Spurious Data (NR Band n41 PC2 – Mid Channel – Main2)

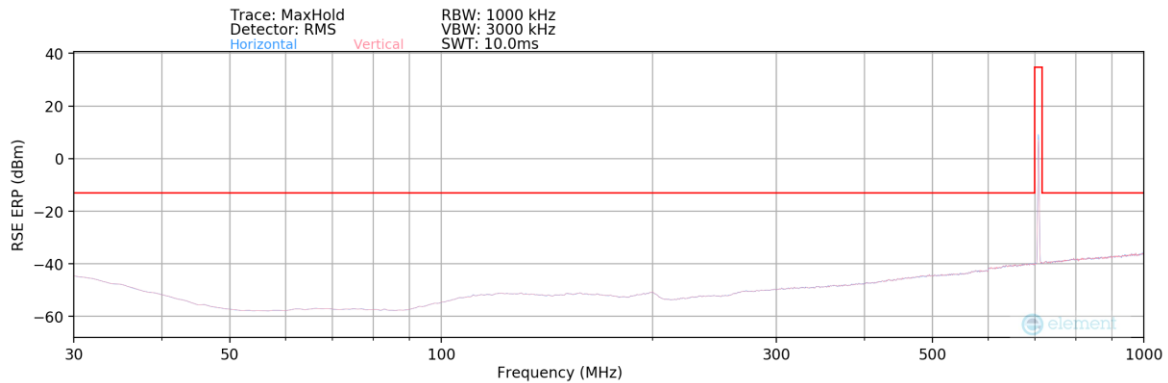
Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	V	-	-	-77.08	4.77	34.69	-60.57	-25.00	-35.57
7920.00	V	166	51	-76.69	7.95	38.26	-57.00	-25.00	-32.00
10560.00	V	-	-	-79.86	11.18	38.32	-56.94	-25.00	-31.94
13200.00	V	-	-	-79.63	13.76	41.13	-54.13	-25.00	-29.13
15840.00	V	-	-	-79.96	17.05	44.09	-51.16	-25.00	-26.16

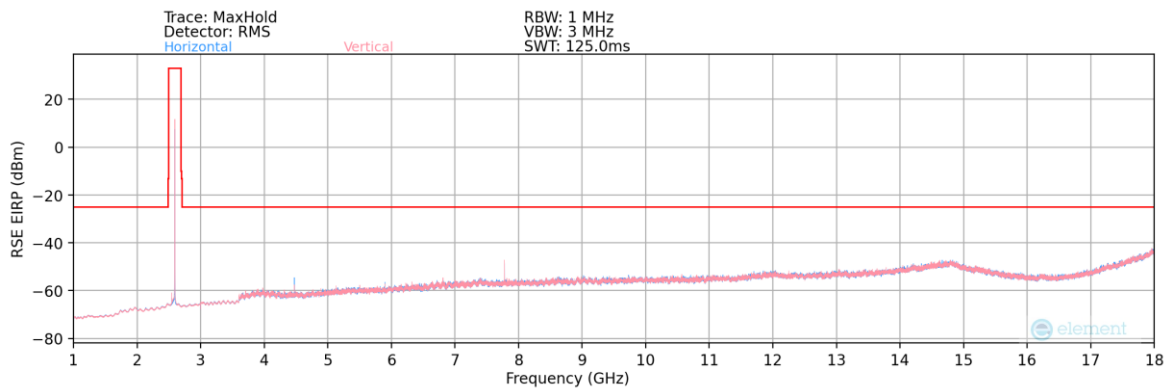
Table 7-44. Radiated Spurious Data (NR Band n41 PC2) – High Channel – Main2)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset	Page 154 of 171

EN-DC: NR Band n41 Main2 – LTE Band 12 Main1



Plot 7-231. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n41 Main2 – LTE Band 12 Main1)



Plot 7-232. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n41 Main2 – LTE Band 12 Main1)

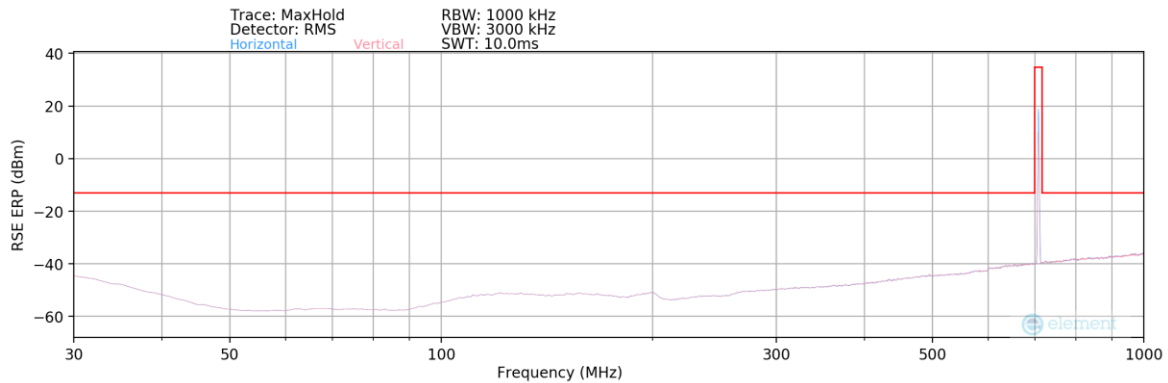
Bandwidth (MHz):	100 / 10
Frequency (MHz):	2593 / 707.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
470.50	H	-	-	-90.41	25.31	41.90	-55.51	-25.00	-30.51
4478.50	H	140	86	-64.74	-1.85	40.41	-54.85	-25.00	-29.85
5893.50	H	242	23	-69.59	0.73	38.14	-57.12	-25.00	-32.12
7071.50	H	-	-	-75.67	3.64	34.97	-60.29	-25.00	-35.29
7308.50	H	-	-	-75.96	4.60	35.64	-59.62	-25.00	-34.62

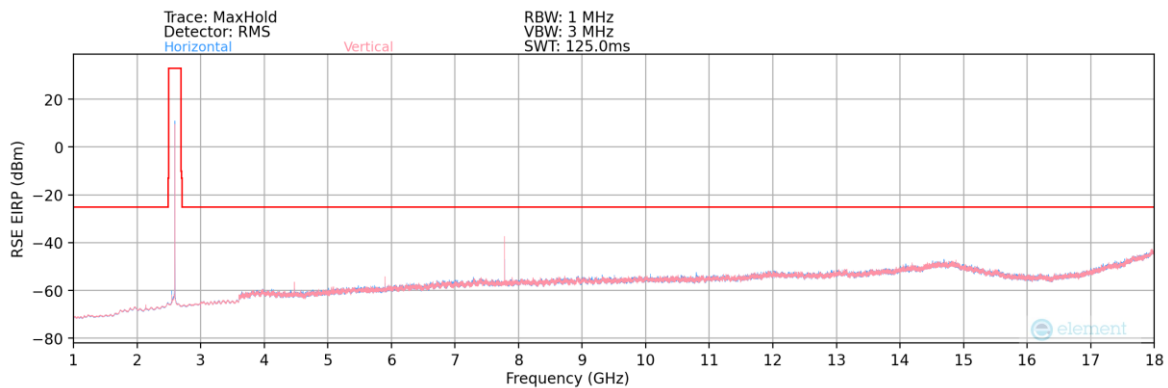
Table 7-45. Radiated Spurious Data (EN-DC: NR Band n41 Main2 – LTE Band 12 Main1)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset		Page 155 of 171

EN-DC: NR Band n41 Main2 – LTE Band 12 Sub



Plot 7-233. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n41 Main2 – LTE Band 12 Sub)



Plot 7-234. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n41 Main2 – LTE Band 12 Sub)

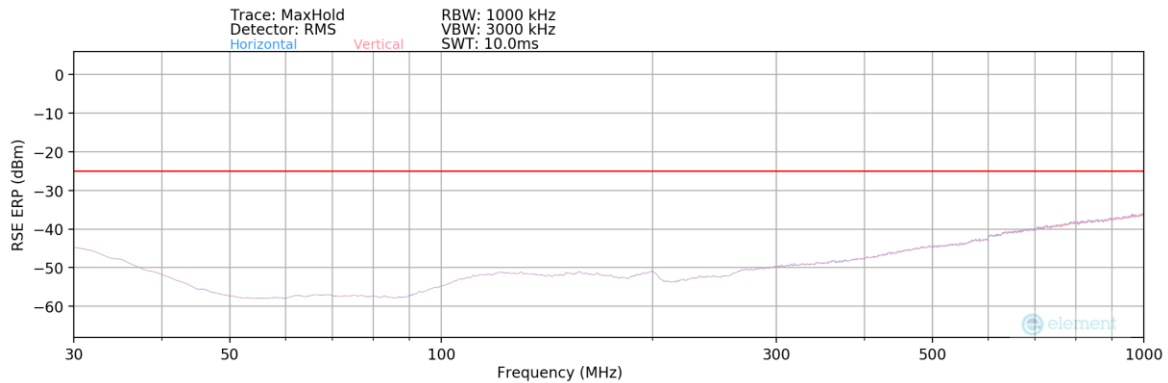
Bandwidth (MHz):	100 / 10
Frequency (MHz):	2593 / 707.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	Band 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
470.50	V	-	-	-90.03	25.31	42.28	-55.13	-25.00	-30.13
4478.50	V	135	228	-65.31	-1.85	39.84	-55.42	-25.00	-30.42
4715.50	V	-	-	-74.74	-1.82	30.44	-64.82	-25.00	-39.82
5893.50	V	160	58	-72.26	0.73	35.47	-59.79	-25.00	-34.79
6364.00	V	-	-	-75.25	1.89	33.64	-61.61	-25.00	-36.61

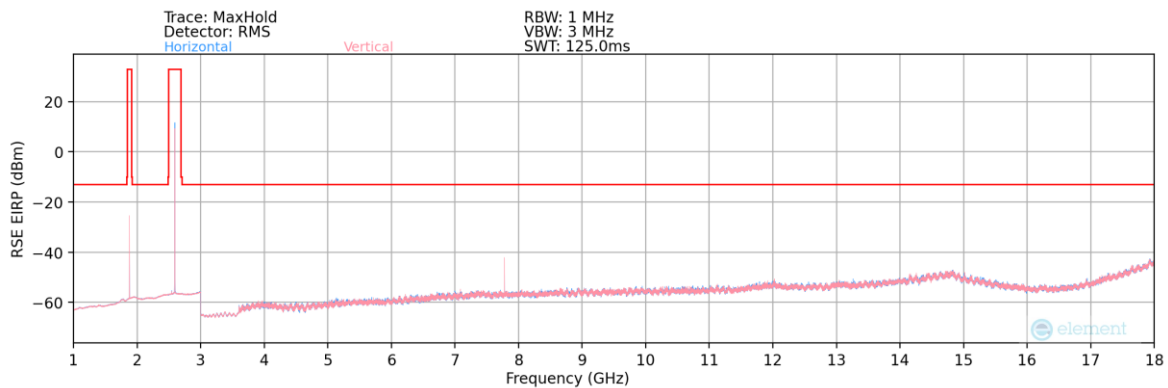
Table 7-46. Radiated Spurious Data (EN-DC: NR Band n41 Main2 – LTE Band 12 Sub)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset		Page 156 of 171

EN-DC: NR Band n41 Main2 – LTE Band 2 Sub



Plot 7-235. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n41 Main2 – LTE Band 2 Sub)



Plot 7-236. Radiated Spurious Plot 1GHz-18GHz (EN-DC: NR Band n41 Main2 – LTE Band 2 Sub)

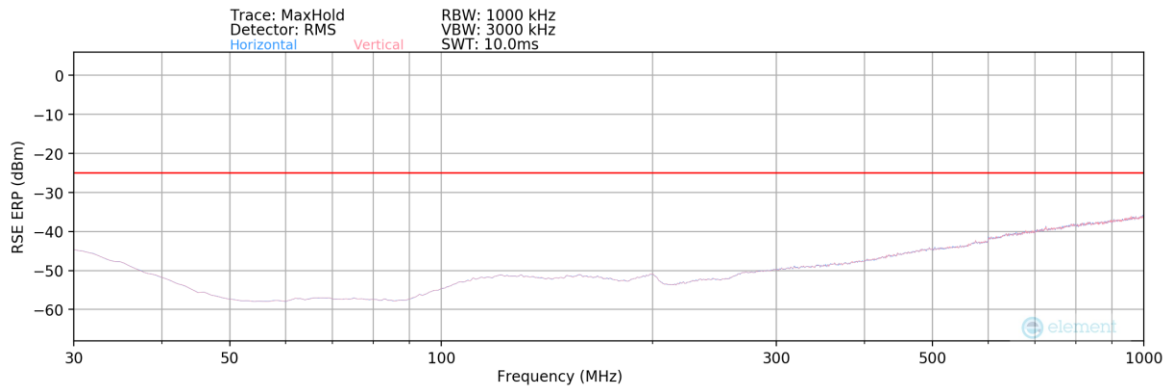
Bandwidth (MHz):	100 / 20
Frequency (MHz):	2593 / 1880
RB / Offset:	1 / 136 & 1 / 50
Mode:	EN-DC
Anchor Band:	Band 2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	E(I)RP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
454.00	V	-	-	-90.66	24.86	41.20	-56.20	-25.00	-31.20
4927.00	V	-	-	-74.68	-1.16	31.16	-64.09	-25.00	-39.09
6393.00	V	-	-	-75.59	1.77	33.18	-62.08	-25.00	-37.08
8687.00	V	-	-	-76.86	6.10	36.24	-59.02	-25.00	-34.02

Table 7-47. Radiated Spurious Data (EN-DC: NR Band n41 Main2 – LTE Band 2 Sub)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset	Page 157 of 171

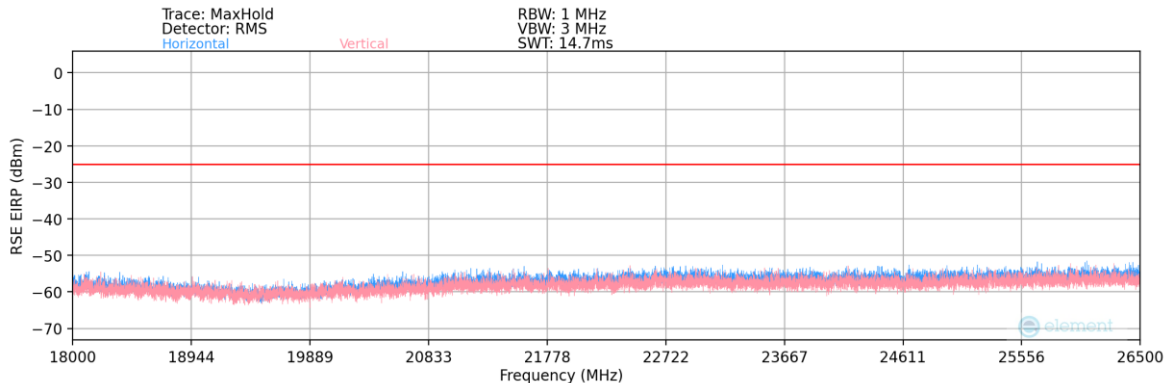
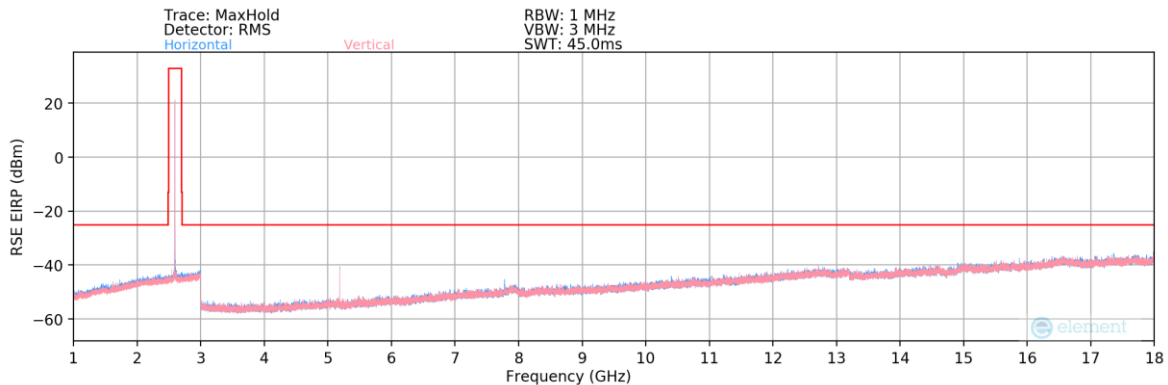
NR n41 PC2 – Sub (SRS 1T4R)



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

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]
718.87	H	-	-	-90.15	28.84	45.69	-51.72	-25.00	-26.72

Table 7-48. Radiated Spurious Data 30MHz-1GHz (NR Band n41 PC2 – Mid Channel – Sub (SRS 1T4R))



FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset	Page 158 of 171

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

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]
5092.02	H	159	24	-59.02	7.59	55.57	-39.69	-25.00	-14.69
7638.03	H	156	3	-66.98	12.68	52.70	-42.56	-25.00	-17.56
10184.04	H	-	-	-72.48	15.73	50.25	-45.01	-25.00	-20.01
12730.05	H	-	-	-72.40	20.29	54.89	-40.37	-25.00	-15.37
15276.06	H	-	-	-72.78	22.59	56.81	-38.45	-25.00	-13.45

Table 7-49. Radiated Spurious Data (NR Band n41 PC2 – Low Channel – Sub (SRS 1T4R))

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

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]
5185.98	H	146	33	-56.21	7.26	58.05	-37.21	-25.00	-12.21
7778.97	H	-	-	-71.25	12.95	48.70	-46.56	-25.00	-21.56
10371.96	H	-	-	-72.03	16.26	51.23	-44.02	-25.00	-19.02
12964.95	H	-	-	-72.54	19.82	54.28	-40.97	-25.00	-15.97

Table 7-50. Radiated Spurious Data (NR Band n41 PC2 – Mid Channel – Sub (SRS 1T4R))

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

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]
5280.00	H	163	26	-53.08	7.18	61.10	-34.16	-25.00	-9.16
7920.00	H	-	-	-72.10	14.01	48.91	-46.34	-25.00	-21.34
10560.00	H	-	-	-72.65	16.45	50.80	-44.46	-25.00	-19.46
13200.00	H	-	-	-72.70	20.70	55.00	-40.25	-25.00	-15.25

Table 7-51. Radiated Spurious Data (NR Band n41 PC2) – High Channel – Sub (SRS 1T4R))

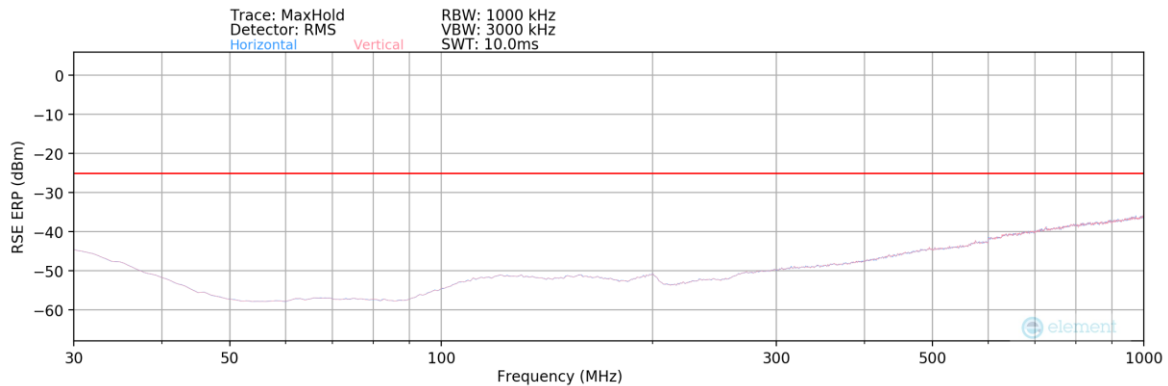
Bandwidth (MHz):	100
Frequency (MHz):	2680.0
RB / Offset:	1 / 136

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]
5280.00	H	156	27	-55.59	7.18	58.59	-36.67	-25.00	-11.67
7920.00	H	-	-	-72.21	14.01	48.80	-46.45	-25.00	-21.45
10560.00	H	-	-	-72.46	16.45	50.99	-44.27	-25.00	-19.27
13200.00	H	-	-	-72.76	20.70	54.94	-40.31	-25.00	-15.31

Table 7-52. Radiated Spurious Data with WCP (NR Band n41 PC2) – High Channel – Sub (SRS 1T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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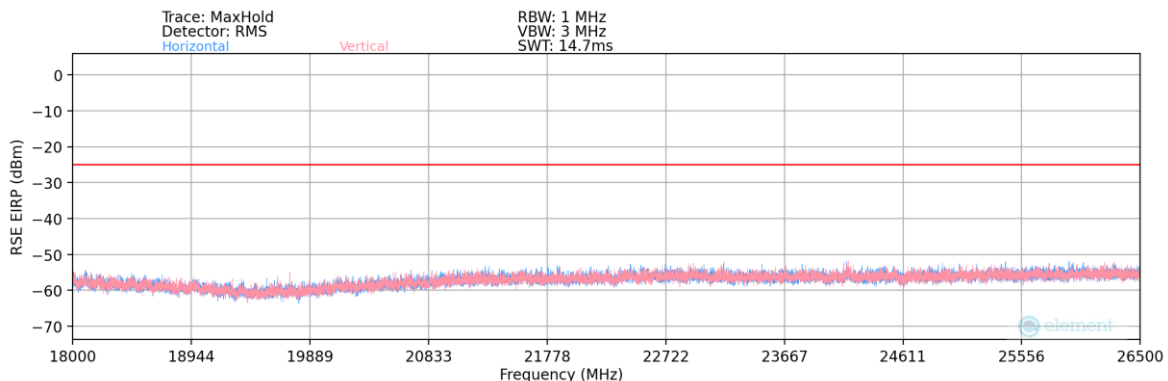
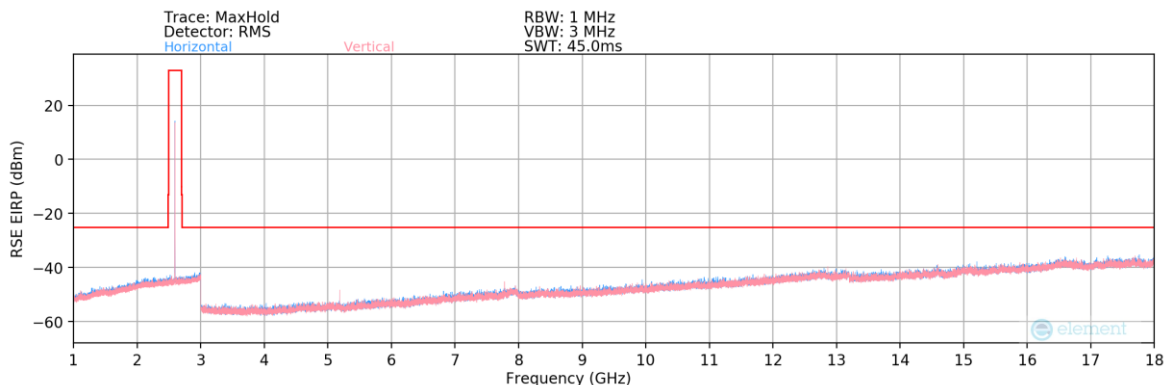
NR n41 PC2 – 3rd-LMHB (SRS 1T4R)



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

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]
716.25	H	-	-	-90.11	29.11	46.00	-51.41	-25.00	-26.41

Table 7-53. Radiated Spurious Data 30MHz-1GHz (NR Band n41 PC2 – Mid Channel – 3rd-LMHB (SRS 1T4R))



FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2302060006-04-R1.PY7	Test Dates: 02/16/2023 - 04/06/2023	EUT Type: Portable Handset	Page 160 of 171

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

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	142	335	-63.40	7.59	51.19	-44.07	-25.00	-19.07
7638.03	H	165	304	-70.68	12.68	49.00	-46.26	-25.00	-21.26
10184.04	H	-	-	-72.17	15.73	50.56	-44.70	-25.00	-19.70
12730.05	H	-	-	-72.80	20.29	54.49	-40.77	-25.00	-15.77
15276.06	H	-	-	-72.25	22.59	57.34	-37.92	-25.00	-12.92

Table 7-54. Radiated Spurious Data (NR Band n41 PC2 – Low Channel – 3rd-LMHB (SRS 1T4R))

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

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	143	340	-63.54	7.26	50.72	-44.54	-25.00	-19.54
7778.97	H	227	317	-70.43	12.95	49.52	-45.74	-25.00	-20.74
10371.96	H	-	-	-72.32	16.26	50.94	-44.31	-25.00	-19.31
12964.95	H	-	-	-72.45	19.82	54.37	-40.88	-25.00	-15.88
15557.94	H	-	-	-72.95	23.55	57.60	-37.66	-25.00	-12.66

Table 7-55. Radiated Spurious Data (NR Band n41 PC2 – Mid Channel – 3rd-LMHB (SRS 1T4R))

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

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	143	13	-65.27	7.18	48.91	-46.35	-25.00	-21.35
7920.00	H	146	24	-70.41	14.01	50.60	-44.65	-25.00	-19.65
10560.00	H	-	-	-72.05	16.45	51.40	-43.86	-25.00	-18.86
13200.00	H	-	-	-72.89	20.70	54.81	-40.44	-25.00	-15.44
15840.00	H	-	-	-73.27	23.61	57.34	-37.92	-25.00	-12.92

Table 7-56. Radiated Spurious Data (NR Band n41 PC2) – High Channel – 3rd-LMHB (SRS 1T4R))

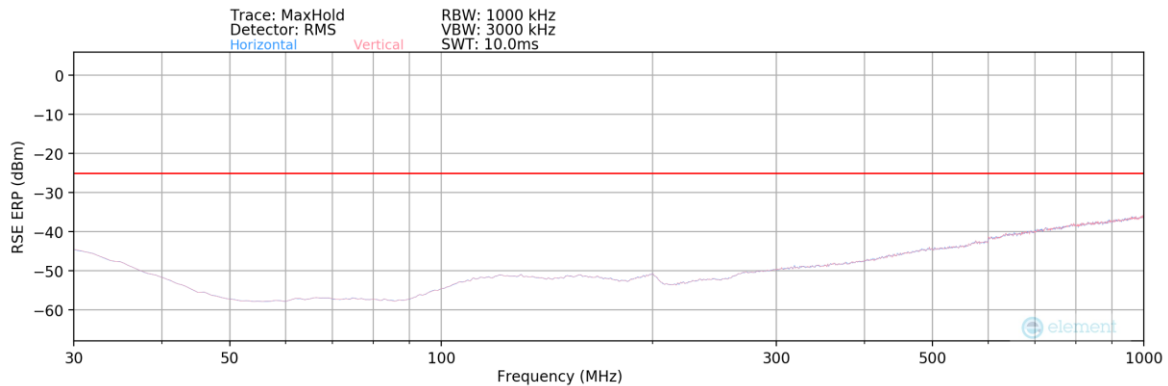
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

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	172	35	-64.03	7.59	50.56	-44.70	-25.00	-19.70
7638.03	H	139	72	-70.85	12.68	48.83	-46.43	-25.00	-21.43
10184.04	H	-	-	-72.44	15.73	50.29	-44.97	-25.00	-19.97
12730.05	H	-	-	-72.99	20.29	54.30	-40.96	-25.00	-15.96
15276.06	H	-	-	-72.61	22.59	56.98	-38.28	-25.00	-13.28

Table 7-57. Radiated Spurious Data with WCP (NR Band n41 PC2) – High Channel – 3rd-LMHB (SRS 1T4R))

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR n41 PC2 – 4th-MHB (SRS 1T4R)

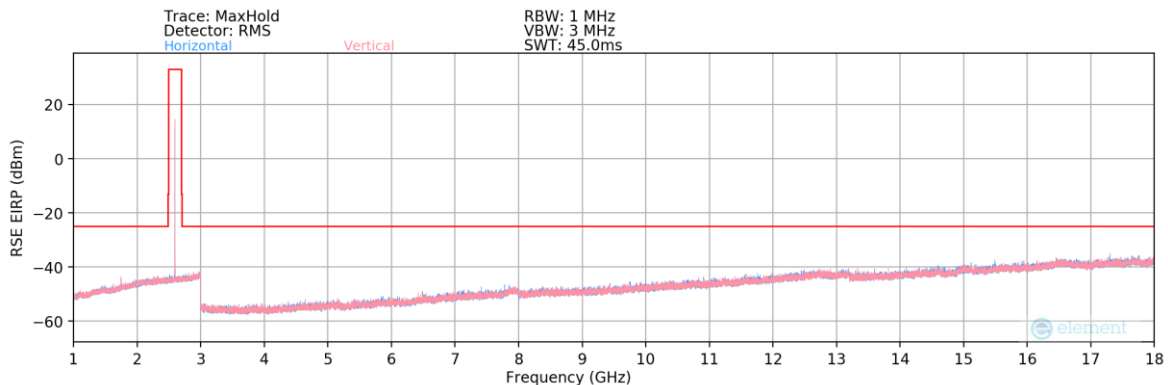


Plot 7-243. Radiated Spurious Plot 30MHz-1GHz (NR Band n41 PC2 – 4th-MHB (SRS 1T4R))

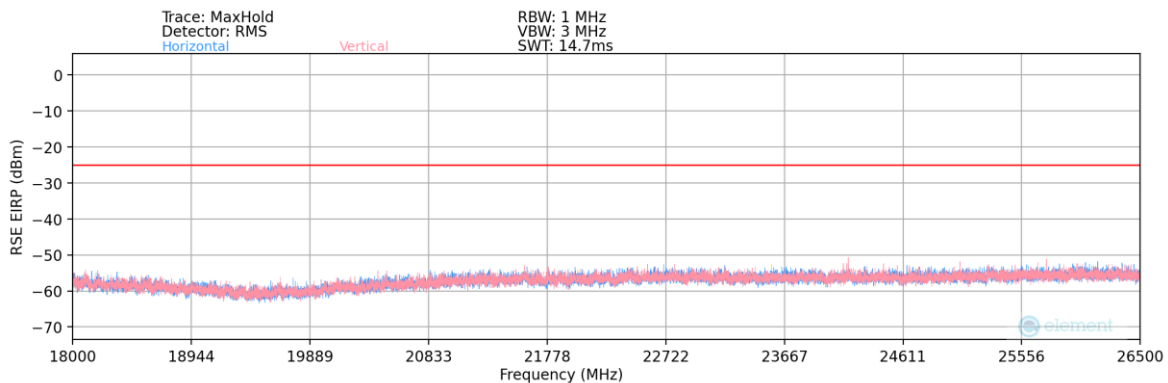
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
719.52	V	-	-	-90.21	28.88	45.67	-51.74	-25.00	-26.74

Table 7-58. Radiated Spurious Data 30MHz-1GHz (NR Band n41 PC2 – Mid Channel – 4th-MHB (SRS 1T4R))



Plot 7-244. Radiated Spurious Plot 1-18GHz (NR Band n41 PC2 – 4th-MHB (SRS 1T4R))



Plot 7-245. Radiated Spurious Plot 18-26.5GHz (NR Band n41 PC2 – 4th-MHB (SRS 1T4R))

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

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	143	188	-69.09	7.59	45.50	-49.76	-25.00	-24.76
7638.03	V	126	23	-69.48	12.68	50.20	-45.06	-25.00	-20.06
10184.04	V	-	-	-72.68	15.73	50.05	-45.21	-25.00	-20.21
12730.05	V	-	-	-73.03	20.29	54.26	-41.00	-25.00	-16.00
15276.06	V	-	-	-72.93	22.59	56.66	-38.60	-25.00	-13.60

Table 7-59. Radiated Spurious Data (NR Band n41 PC2 – Low Channel – 4th-MHB (SRS 1T4R))

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

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	130	150	-68.74	7.26	45.52	-49.74	-25.00	-24.74
7778.97	V	220	326	-71.33	12.95	48.62	-46.64	-25.00	-21.64
10371.96	V	-	-	-72.65	16.26	50.61	-44.64	-25.00	-19.64
12964.95	V	-	-	-72.49	19.82	54.33	-40.92	-25.00	-15.92
15557.94	V	-	-	-73.50	23.55	57.05	-38.21	-25.00	-13.21

Table 7-60. Radiated Spurious Data (NR Band n41 PC2 – Mid Channel – 4th-MHB (SRS 1T4R))

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

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	169	203	-69.98	7.18	44.20	-51.06	-25.00	-26.06
7920.00	V	-	-	-72.50	14.01	48.51	-46.74	-25.00	-21.74
10560.00	V	-	-	-72.40	16.45	51.05	-44.21	-25.00	-19.21
13200.00	V	-	-	-73.02	20.70	54.68	-40.57	-25.00	-15.57
15840.00	V	-	-	-73.63	23.61	56.98	-38.28	-25.00	-13.28

Table 7-61. Radiated Spurious Data (NR Band n41 PC2) – High Channel – 4th-MHB (SRS 1T4R))

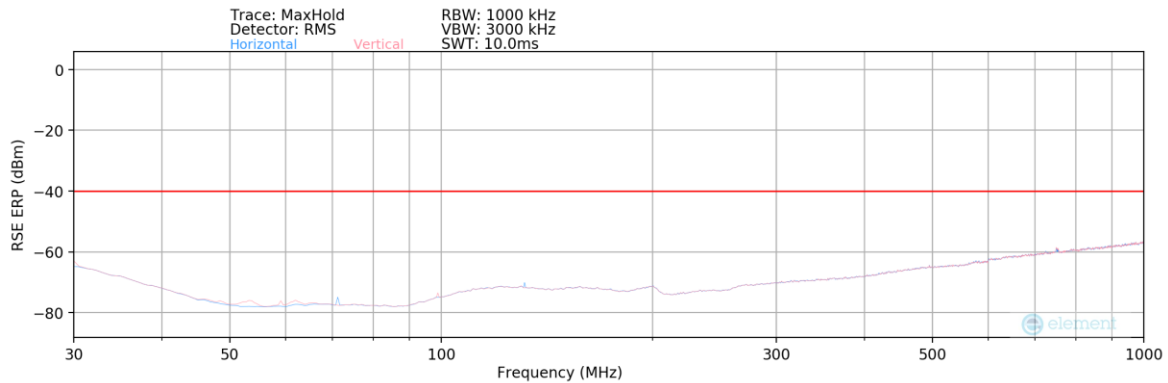
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

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	264	186	-69.43	7.59	45.16	-50.10	-25.00	-25.10
7638.03	V	133	51	-69.85	12.68	49.83	-45.43	-25.00	-20.43
10184.04	V	-	-	-72.72	15.73	50.01	-45.25	-25.00	-20.25
12730.05	V	-	-	-72.78	20.29	54.51	-40.75	-25.00	-15.75
15276.06	V	-	-	-72.63	22.59	56.96	-38.30	-25.00	-13.30

Table 7-62. Radiated Spurious Data with WCP (NR Band n41 PC2) – High Channel – 4th-MHB (SRS 1T4R))

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LTE Band 30 – Sub

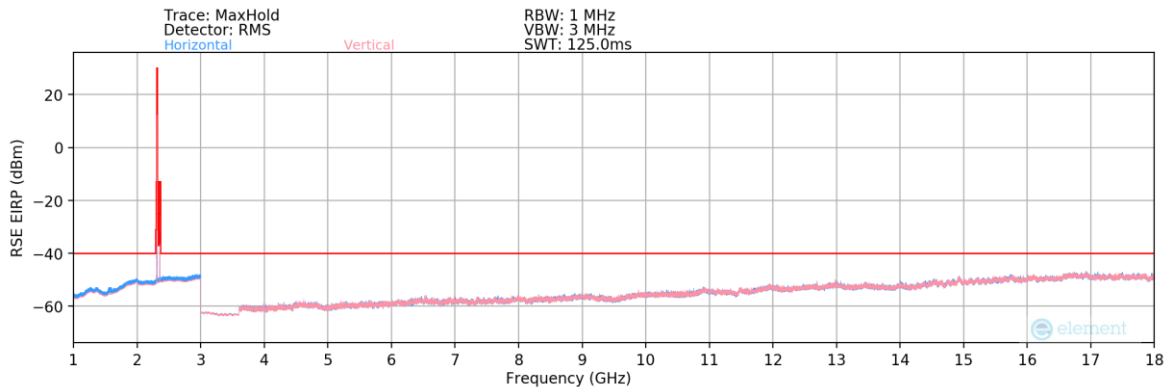


Plot 7-246. Radiated Spurious Plot 30MHz-1GHz (LTE Band 30 – Sub)

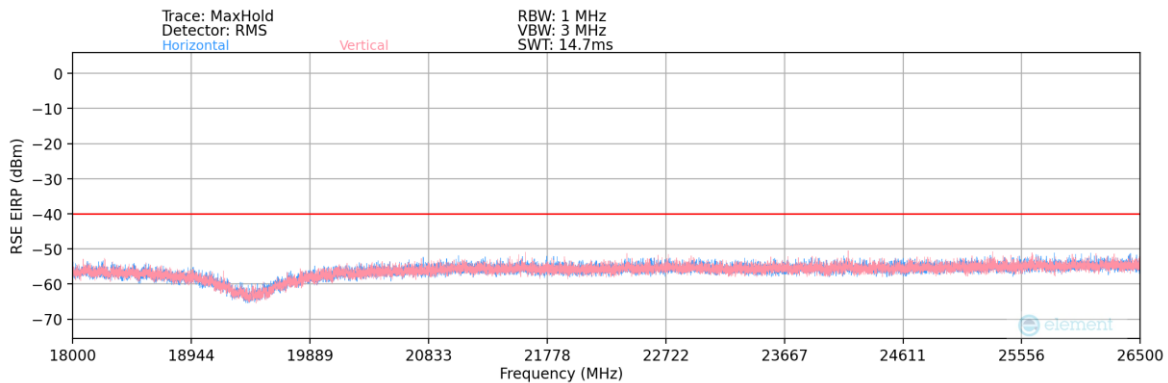
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

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]
750.71	V	-	-	-99.42	29.48	37.06	-60.34	-40.00	-20.34

Table 7-63. Radiated Spurious Data 30MHz-1GHz (LTE Band 30 – Mid Channel– Sub)



Plot 7-247. Radiated Spurious Plot 1-18GHz (LTE Band 30 – Sub)



Plot 7-248. Radiated Spurious Plot 18-26.5GHz (LTE Band 30 – Sub)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

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	182	53	-78.26	4.20	32.94	-62.31	-40.00	-22.31
6930.00	H	189	108	-75.13	7.12	38.99	-56.27	-40.00	-16.27
9240.00	H	-	-	-80.22	8.30	35.08	-60.18	-40.00	-20.18
11550.00	H	-	-	-81.69	12.12	37.43	-57.83	-40.00	-17.83
13860.00	H	-	-	-81.91	14.42	39.51	-55.75	-40.00	-15.75

Table 7-64. Radiated Spurious Data (LTE Band 30 – Mid Channel– Sub)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

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	371	213	-77.17	4.20	34.03	-61.22	-40.00	-21.22
6930.00	H	287	8	-72.22	7.12	41.90	-53.36	-40.00	-13.36
9240.00	H	-	-	-80.30	8.30	35.00	-60.26	-40.00	-20.26
11550.00	H	-	-	-81.73	12.12	37.39	-57.87	-40.00	-17.87
13860.00	H	-	-	-81.85	14.42	39.57	-55.69	-40.00	-15.69

Table 7-65. Radiated Spurious Data with WCP (LTE Band 30 – Mid Channel– Sub)

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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

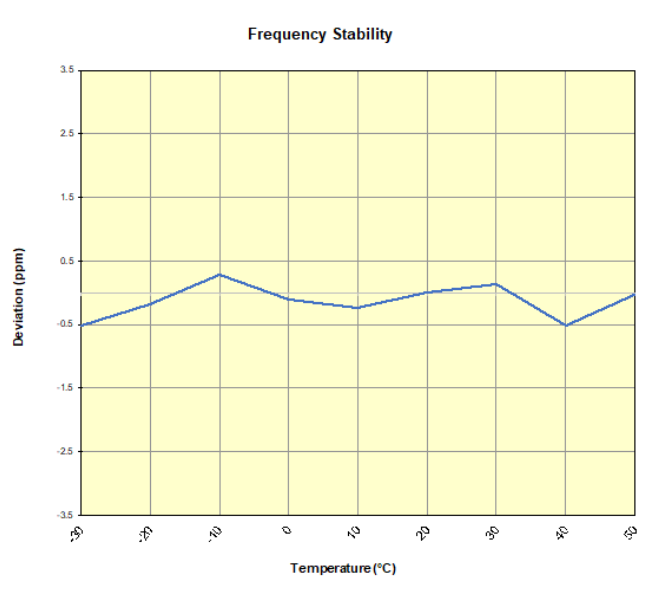
None

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LTE Band 41

LTE Band 41					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	-30	2,593,000,187	-1,335	-0.0000515
		-20	2,593,001,057	-465	-0.0000179
		-10	2,593,002,271	749	0.0000289
		0	2,593,001,236	-285	-0.0000110
		+10	2,593,000,887	-635	-0.0000245
		+20 (Ref)	2,593,001,522	0	0.0000000
		+30	2,593,001,890	369	0.0000142
		+40	2,593,000,176	-1,346	-0.0000519
Battery Endpoint	3.69	+50	2,593,001,453	-69	-0.0000027
		+20	2,593,001,870	348	0.0000134

Table 7-66. LTE Band 41 Frequency Stability Data



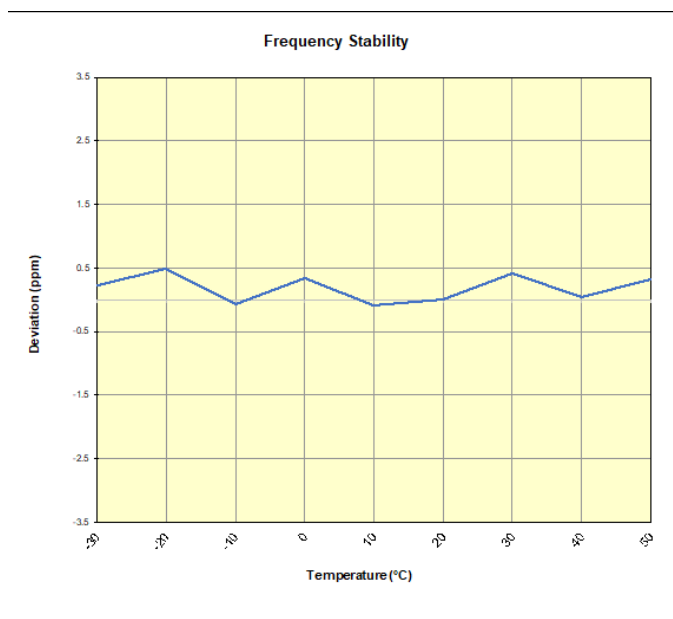
Plot 7-249. LTE Band 41 Frequency Stability Chart

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30

LTE Band 30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,310,000,842	506	0.0000219
		- 20	2,310,001,477	1,141	0.0000494
		- 10	2,310,000,155	-180	-0.0000078
		0	2,310,001,121	786	0.0000340
		+ 10	2,310,000,111	-224	-0.0000097
		+ 20 (Ref)	2,310,000,335	0	0.0000000
		+ 30	2,310,001,273	938	0.0000406
		+ 40	2,310,000,412	77	0.0000033
		+ 50	2,310,001,062	727	0.0000315
Battery Endpoint	3.69	+ 20	2,310,001,680	1,345	0.0000582

Table 7-67. LTE Band 30 Frequency Stability Data



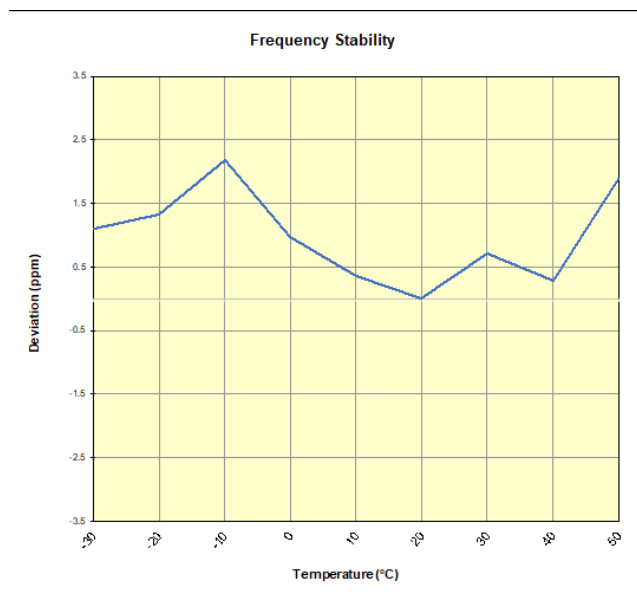
Plot 7-250. LTE Band 30 Frequency Stability Chart

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

NR Band n30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,309,992,924	2,546	0.0001102
		- 20	2,309,993,417	3,039	0.0001316
		- 10	2,309,995,423	5,046	0.0002184
		0	2,309,992,610	2,233	0.0000967
		+ 10	2,309,991,197	820	0.0000355
		+ 20 (Ref)	2,309,990,377	0	0.0000000
		+ 30	2,309,992,025	1,647	0.0000713
		+ 40	2,309,991,045	668	0.0000289
		+ 50	2,309,994,725	4,348	0.0001882
Battery Endpoint	3.69	+ 20	2,309,990,591	213	0.0000092

Table 7-68. NR Band n30 Frequency Stability Data



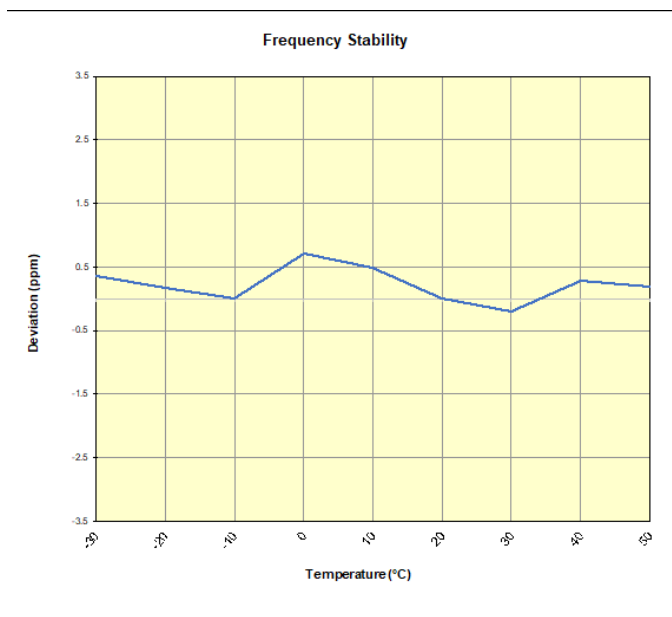
Plot 7-251. NR Band n30 Frequency Stability Chart

FCC ID: PY7-84558E	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41

NR Band n41					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,592,977,004	928	0.0000358
		- 20	2,592,976,529	453	0.0000175
		- 10	2,592,976,069	-8	-0.0000003
		0	2,592,977,913	1,837	0.0000708
		+ 10	2,592,977,335	1,259	0.0000486
		+ 20 (Ref)	2,592,976,076	0	0.0000000
		+ 30	2,592,975,570	-506	-0.0000195
		+ 40	2,592,976,790	714	0.0000275
		+ 50	2,592,976,548	472	0.0000182
Battery Endpoint	3.69	+ 20	2,592,974,379	-1,697	-0.0000655

Table 7-69. NR Band n41 Frequency Stability Data



Plot 7-252. NR Band n41 Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Sony Portable Handset FCC ID: PY7-84558E** complies with all the requirements of Part 27 of the FCC rules.

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