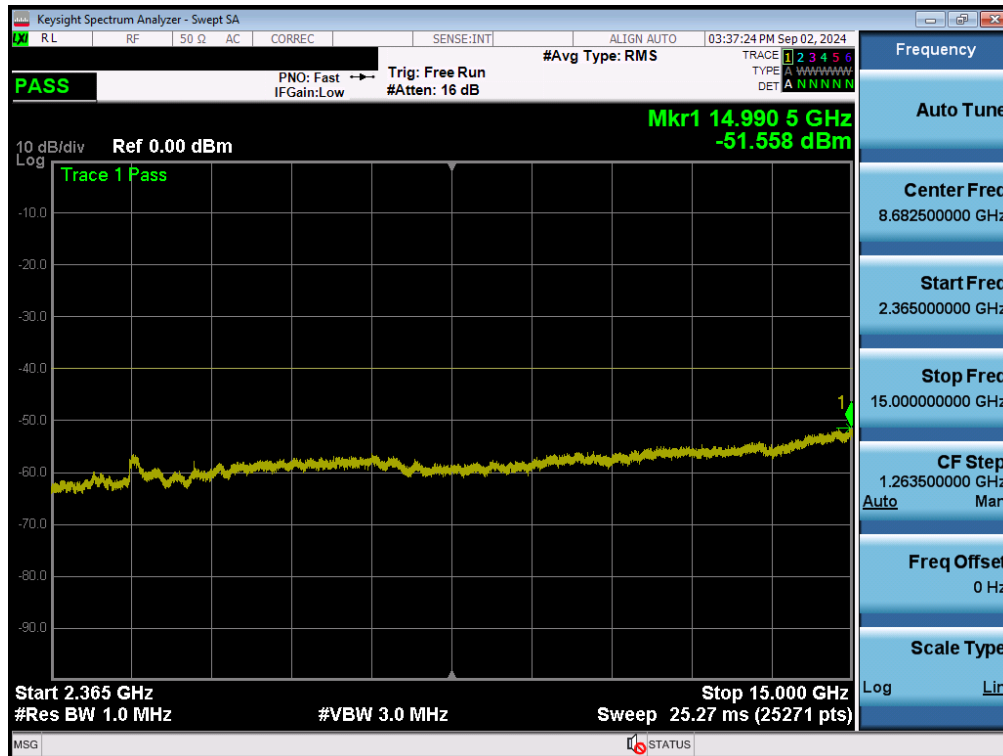


LTE Band 30 – Ant A



Plot 7-227. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant A)



Plot 7-228. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant A)

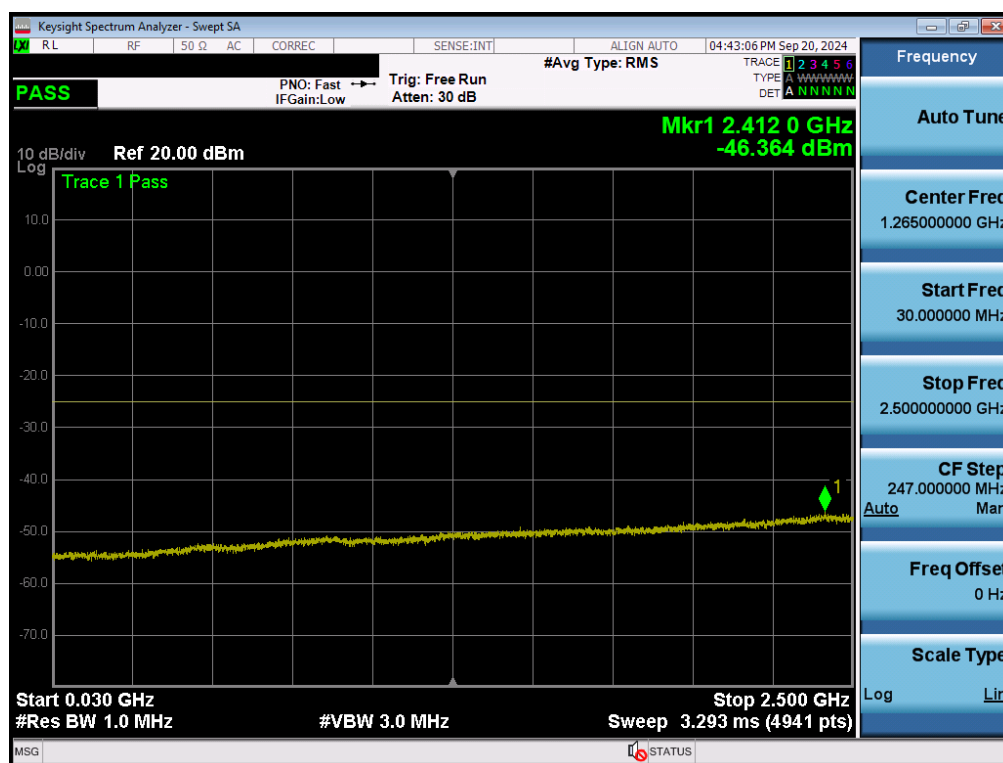
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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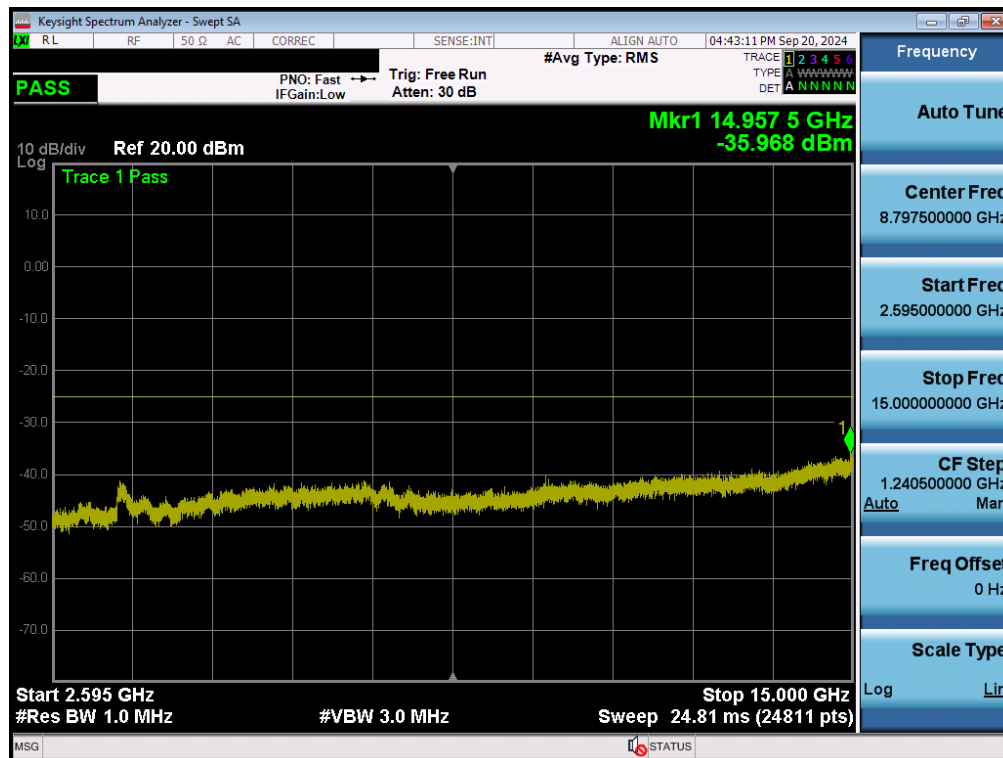
Plot 7-229. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 148 of 281

LTE Band 7 – Ant B

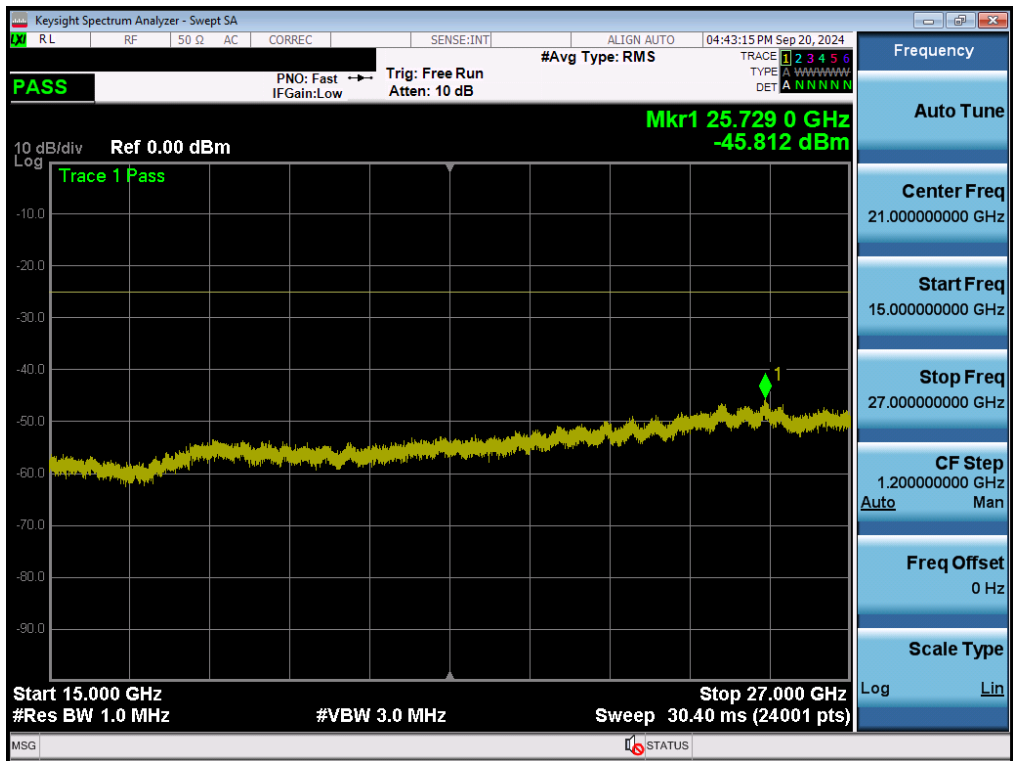


Plot 7-230. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant F)



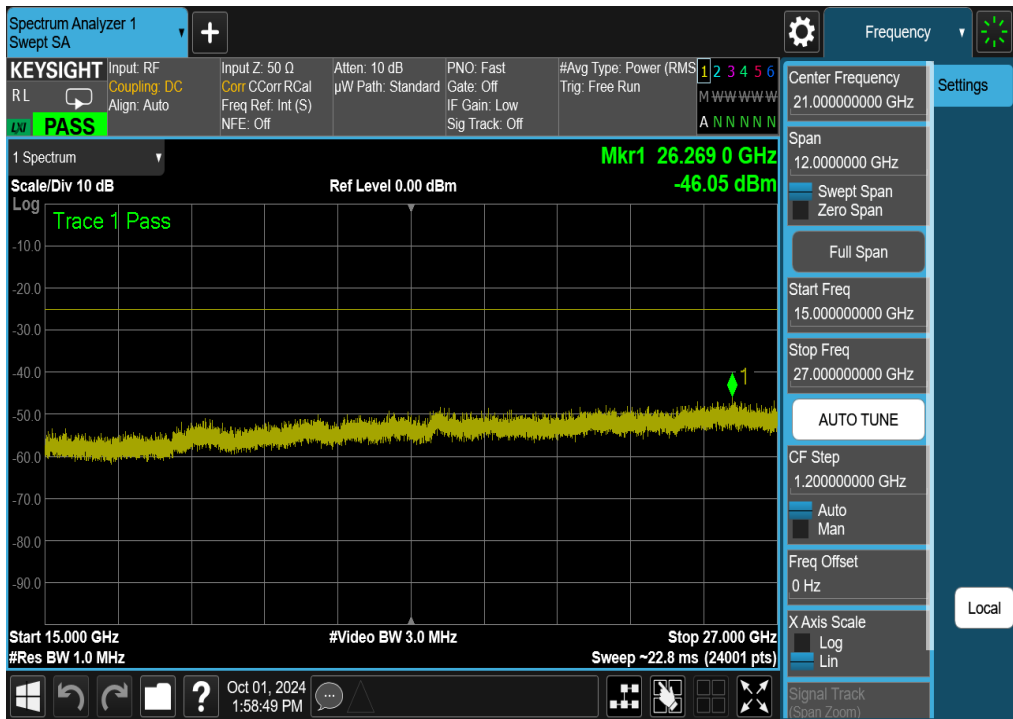
Plot 7-231. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 149 of 281



Plot 7-232. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 150 of 281



Plot 7-235. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 152 of 281

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Mid	30.0 - 2288.0	-48.099	-40	-8.10
		Mid	2365.0 - 15000.0	-51.092	-40	-11.09
		Mid	15000.0 - 27000.0	-55.869	-40	-15.87

Table 7-18. Conducted Emission Test Results – NR – Ant A

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n7	50MHz	Low	30.0 - 2475.0	-46.79	-25	-21.79
		Low	2570.0 - 15000.0	-36.44	-25	-11.44
		Low	15000.0 - 27000.0	-45.85	-25	-20.85
		Mid	30.0 - 2475.0	-46.31	-25	-21.30
		Mid	2570.0 - 15000.0	-36.46	-25	-11.46
		Mid	15000.0 - 27000.0	-46.20	-25	-21.20
		High	30.0 - 2475.0	-47.18	-25.68	-21.50
		High	2570.0 - 15000.0	-35.91	-25	-10.91
		High	15000.0 - 27000.0	-46.26	-25	-21.26

Table 7-19. Conducted Emission Test Results – NR – Ant B

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-38.17	-25	-13.17
		Low	2690.0 - 15000.0	-38.55	-25	-13.55
		Low	15000.0 - 27000.0	-46.45	-25	-21.45
		Mid	30.0 - 2470.0	-38.04	-25	-13.04
		Mid	2690.0 - 15000.0	-40.04	-25	-15.03
		Mid	15000.0 - 27000.0	-47.24	-25	-22.24
		High	30.0 - 2470.0	-38.13	-25	-13.13
		High	2690.0 - 15000.0	-39.72	-25	-14.72
		High	15000.0 - 27000.0	-46.79	-25	-21.79

Table 7-20. Conducted Emission Test Results – NR – Ant F

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-38.42	-25	-13.42
		Low	2690.0 - 15000.0	-38.34	-25	-13.34
		Low	15000.0 - 27000.0	-47.15	-25	-22.15
		Mid	30.0 - 2470.0	-38.38	-25	-13.38
		Mid	2690.0 - 15000.0	-39.34	-25	-14.34
		Mid	15000.0 - 27000.0	-46.65	-25	-21.65
		High	30.0 - 2470.0	-37.21	-25	-12.21
		High	2690.0 - 15000.0	-40.06	-25	-15.06
		High	15000.0 - 27000.0	-46.98	-25	-21.98

Table 7-21. Conducted Emission Test Results – NR – Ant B

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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NR Band n30 – Ant A



Plot 7-236. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant A)



Plot 7-237. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 154 of 281



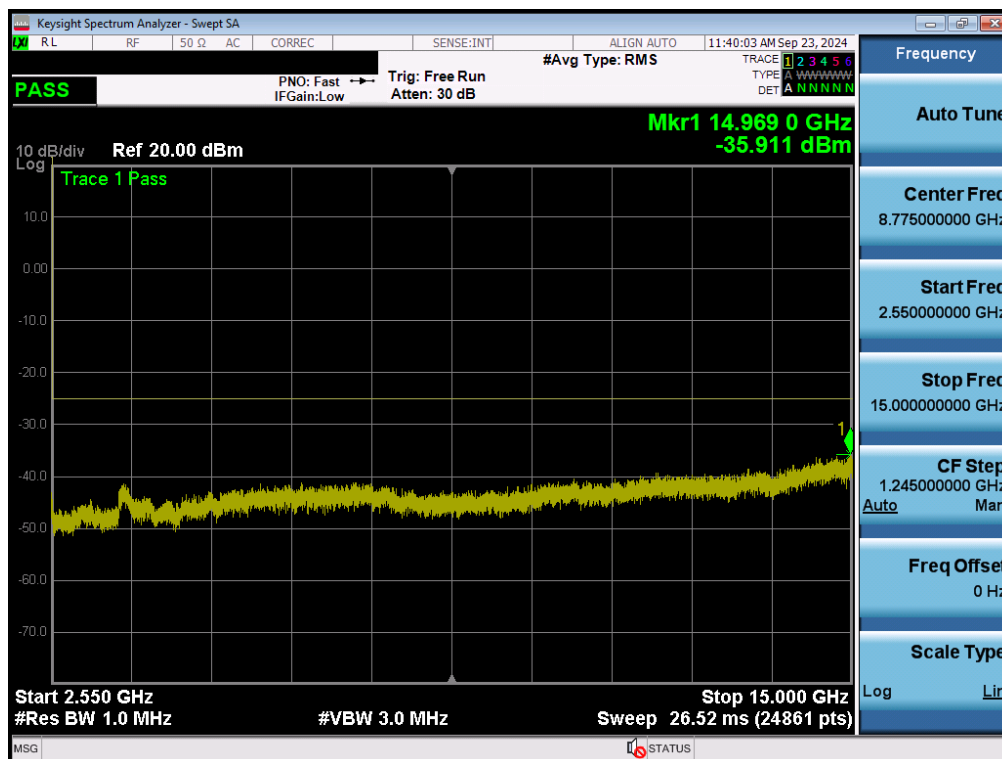
Plot 7-238. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7 – Ant B

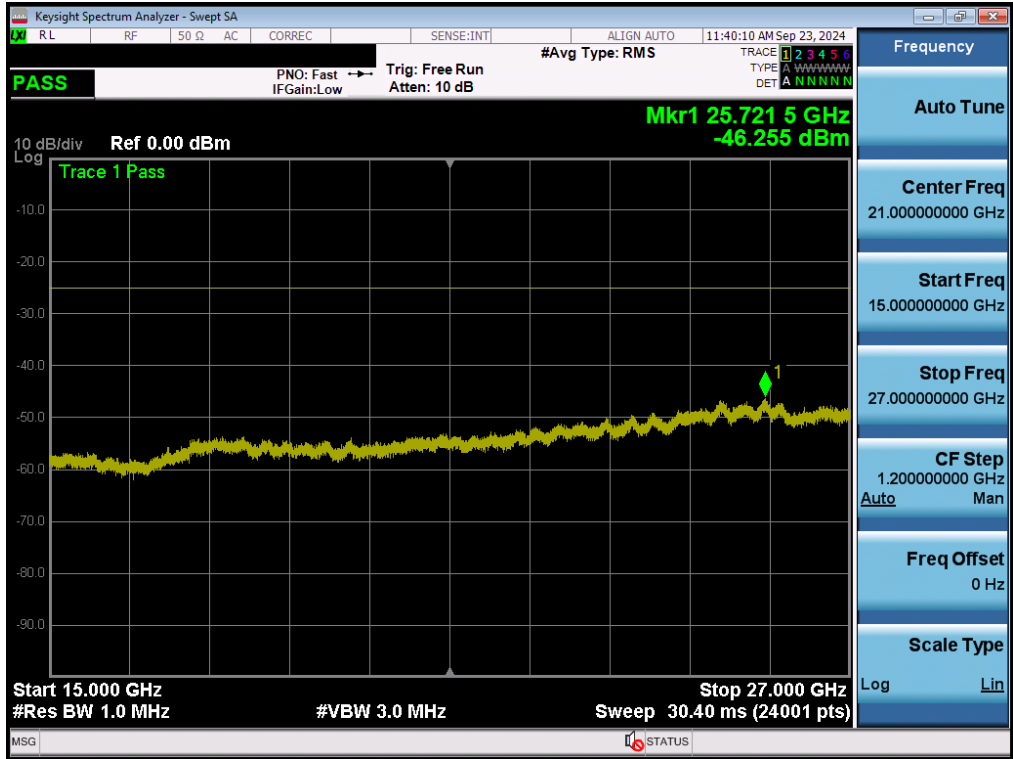


Plot 7-239. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)



Plot 7-240. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 – High Channel Ant B)

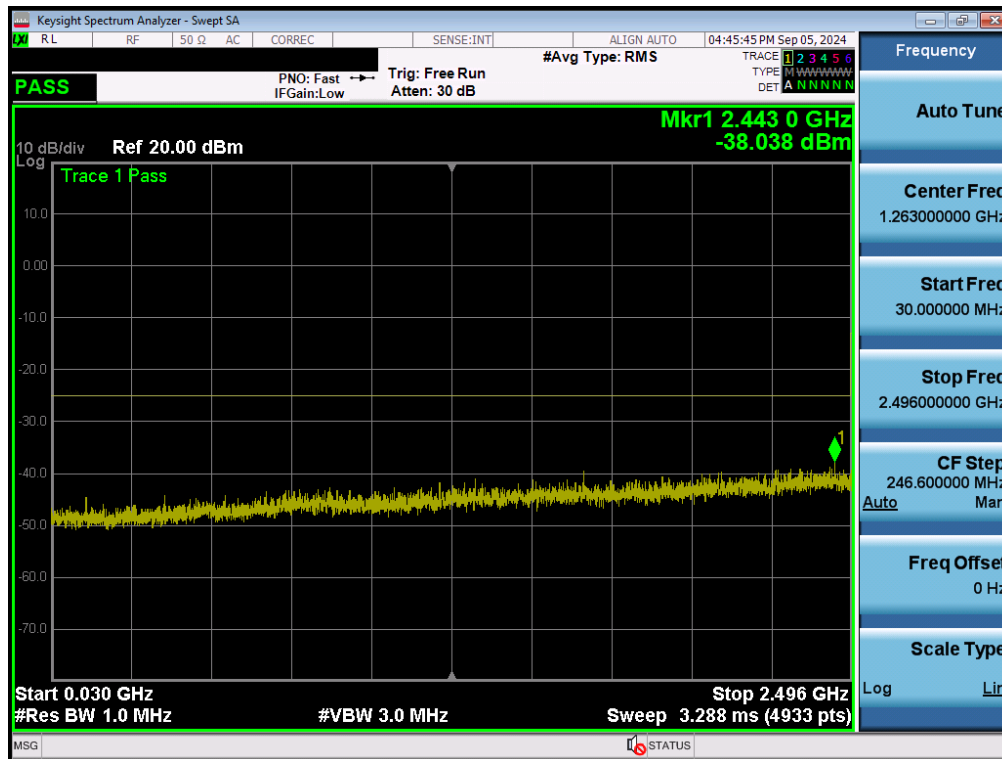
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 156 of 281



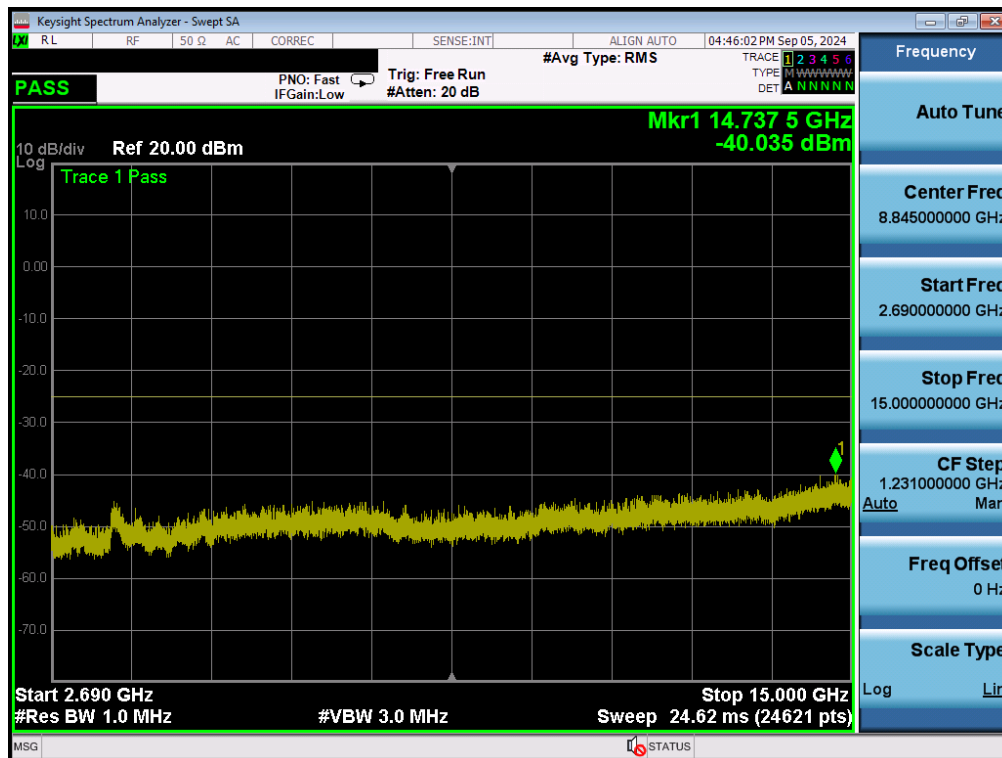
Plot 7-241. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 157 of 281

NR Band n41 – Ant F – Default

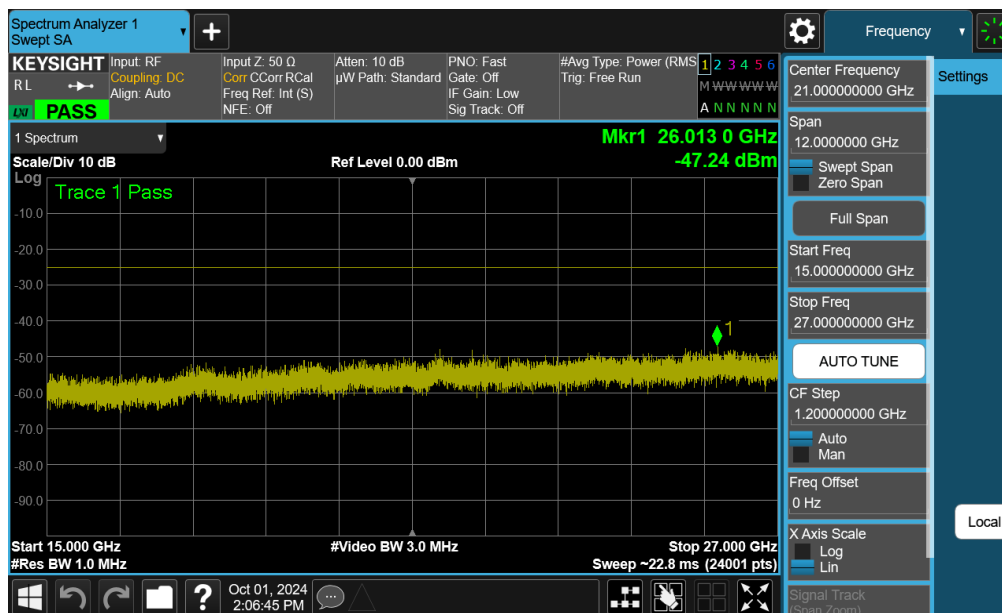


Plot 7-242. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant F)



Plot 7-243. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant F)

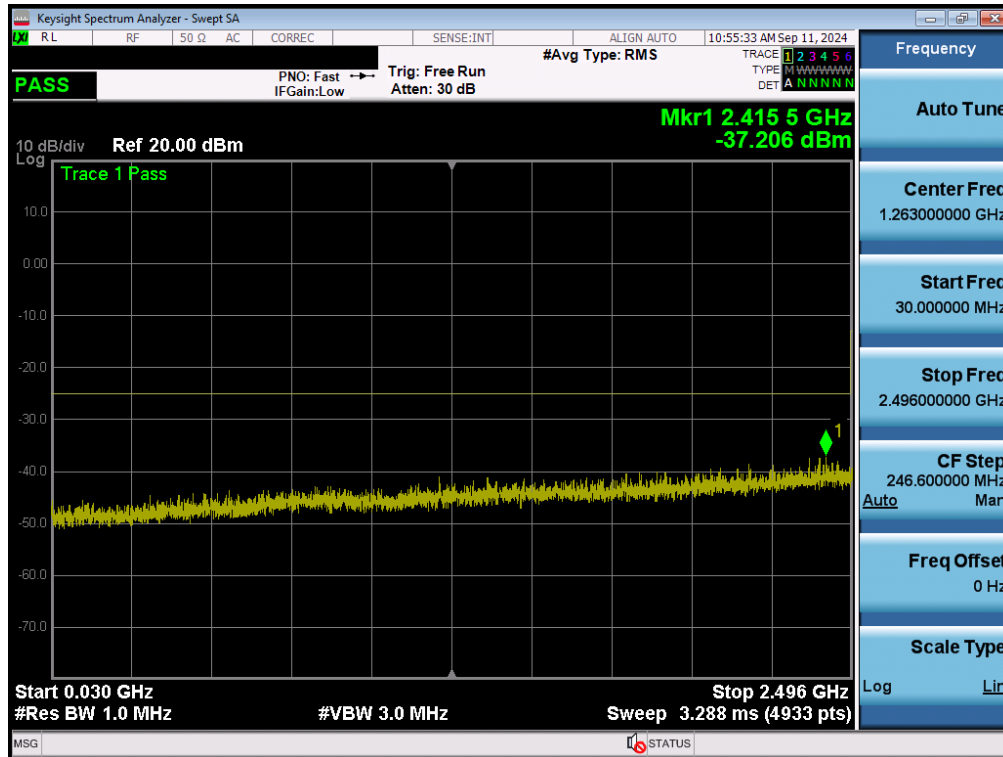
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 158 of 281



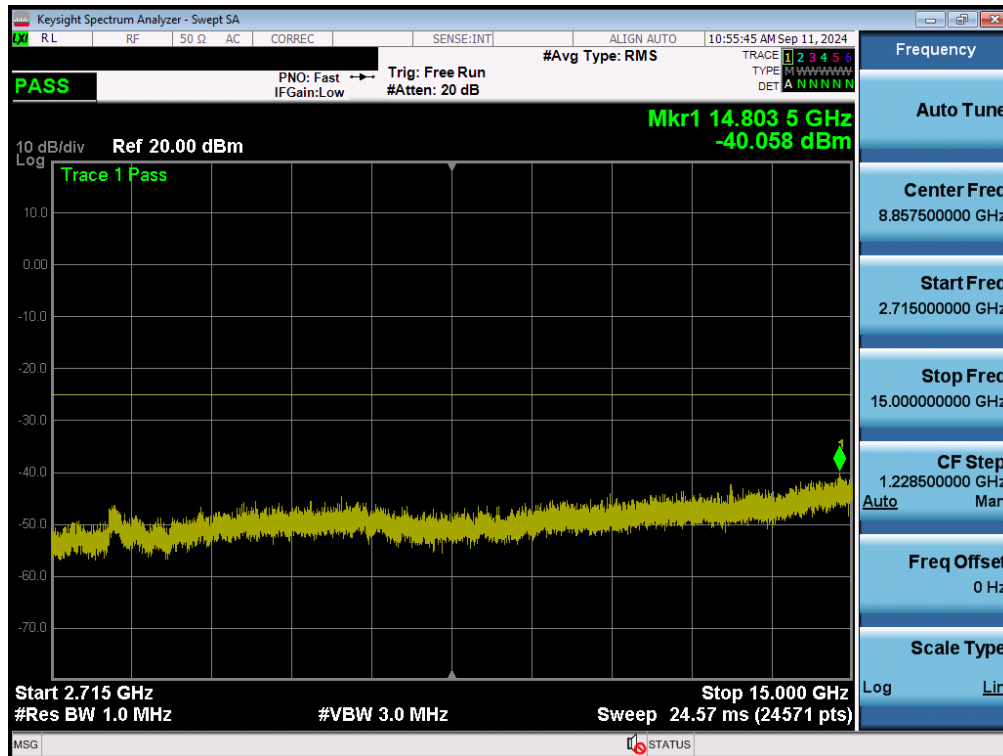
Plot 7-244. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant B – Switching

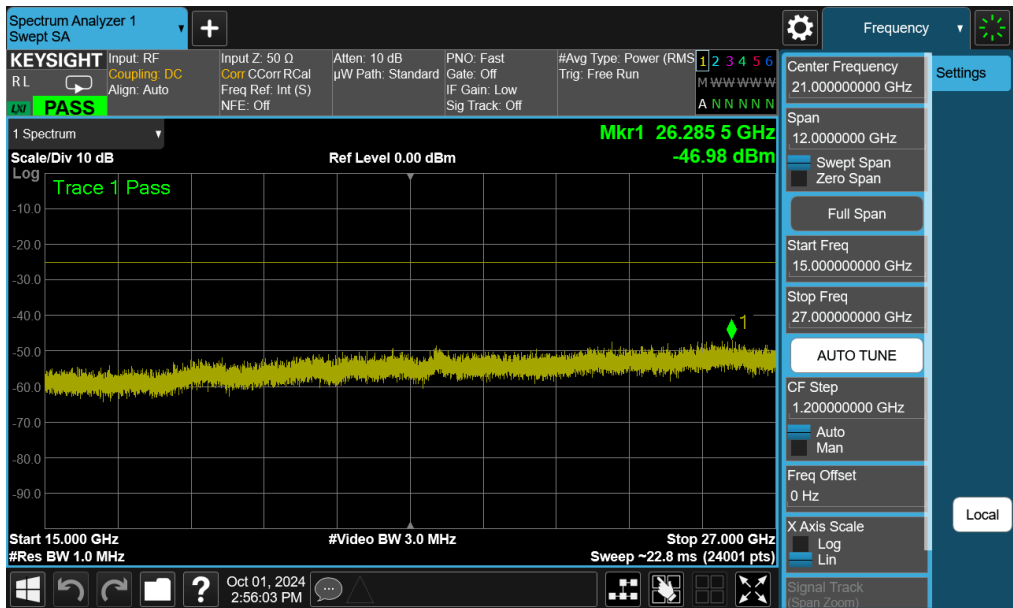


Plot 7-245. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)



Plot 7-246. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 160 of 281



Plot 7-247. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 161 of 281

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-47.78	-40	-7.78
		Mid	2365.0 - 15000.0	-53.28	-40	-13.28
		Mid	15000.0 - 27000.0	-47.09	-40	-7.09
LTE-B7	20MHz	Low	30.0 - 2500.0	-46.35	-25	-21.35
		Low	2570.0 - 15000.0	-36.84	-25	-11.84
		Low	15000.0 - 27000.0	-46.68	-25	-21.68
		Mid	30.0 - 2500.0	-46.63	-25	-21.63
		Mid	2570.0 - 15000.0	-37.15	-25	-12.15
		Mid	15000.0 - 27000.0	-46.44	-25	-21.44
		High	30.0 - 2500.0	-46.49	-25	-21.49
		High	2570.0 - 15000.0	-36.91	-25	-11.91
		High	15000.0 - 27000.0	-45.84	-25	-20.84
LTE-B7 ULCA	20+20MHz	Low	30.0 - 2500.0	-46.58	-25	-21.58
		Low	2570.0 - 15000.0	-36.3	-25	-11.30
		Low	15000.0 - 27000.0	-45.27	-25	-20.26
		Mid	30.0 - 2500.0	-46.35	-25	-21.35
		Mid	2570.0 - 15000.0	-35.69	-25	-10.69
		Mid	15000.0 - 27000.0	-44.18	-25	-19.18
		High	30.0 - 2500.0	-46.45	-25	-21.45
		High	2570.0 - 15000.0	-35.63	-25	-10.63
		High	15000.0 - 27000.0	-45.27	-25	-20.27
LTE-B41PC3	20MHz	Low	30.0 - 2288.0	-43.12	-25	-18.12
		Low	2365.0 - 15000.0	-43.84	-25	-18.83
		Low	15000.0 - 27000.0	-46.59	-25	-21.58
		Mid	30.0 - 2288.0	-42.76	-25	-17.75
		Mid	2570.0 - 15000.0	-43.72	-25	-18.72
		Mid	15000.0 - 27000.0	-46.30	-25	-21.30
		High	30.0 - 2288.0	-41.90	-25	-16.90
		High	2570.0 - 15000.0	-43.55	-25	-18.55
		High	15000.0 - 27000.0	-47.55	-25	-22.55

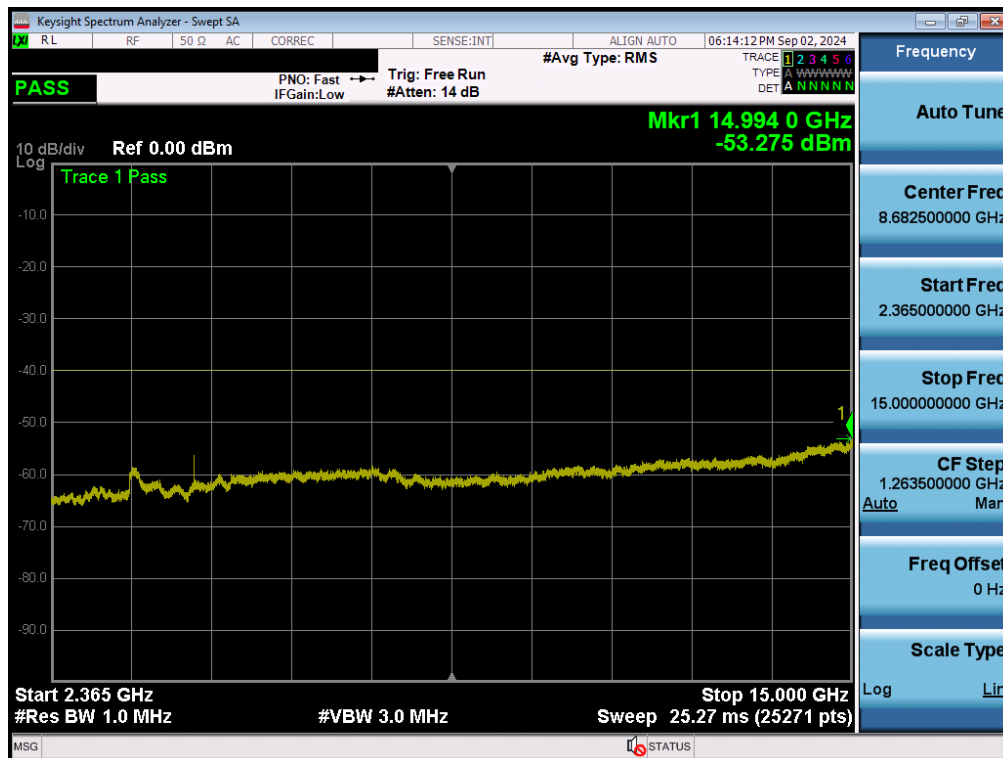
Table 7-22. Conducted Emission Test Results – LTE – Ant F

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30 – Ant F



Plot 7-248. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant F)



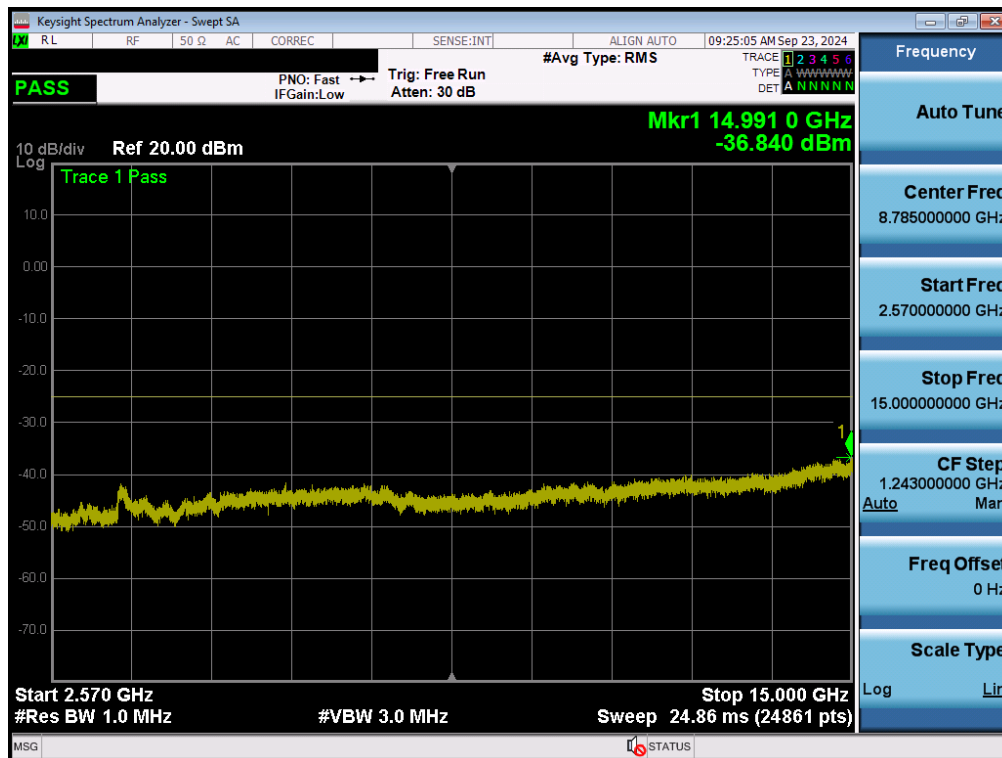
Plot 7-249. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7 – Ant F



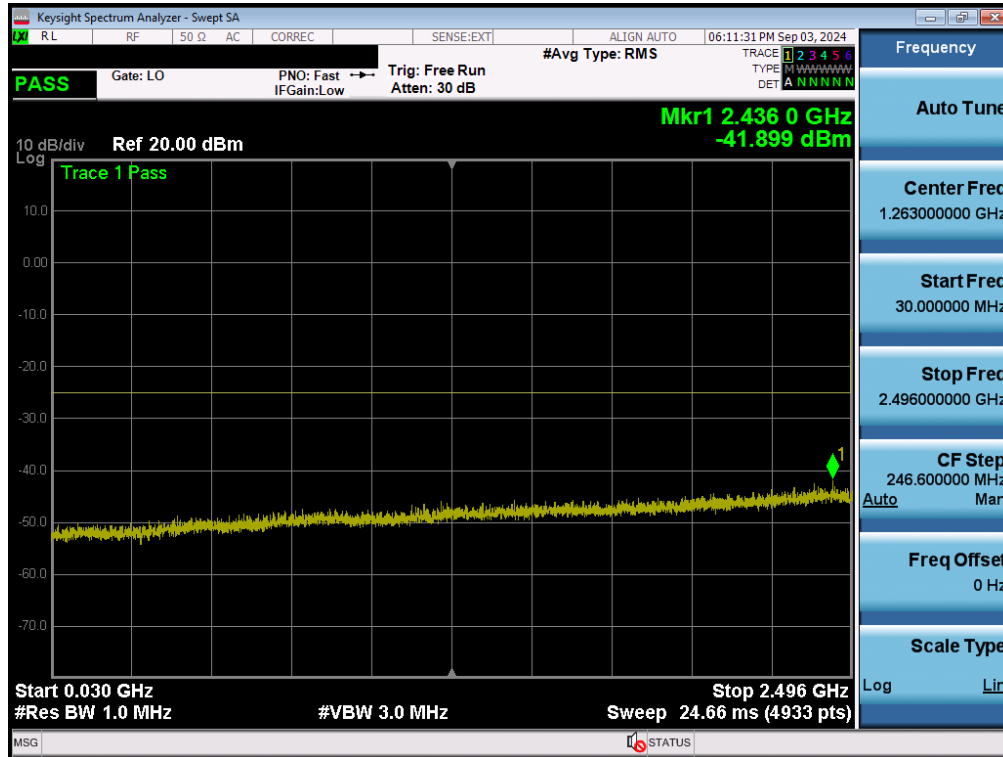
Plot 7-251. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant F)



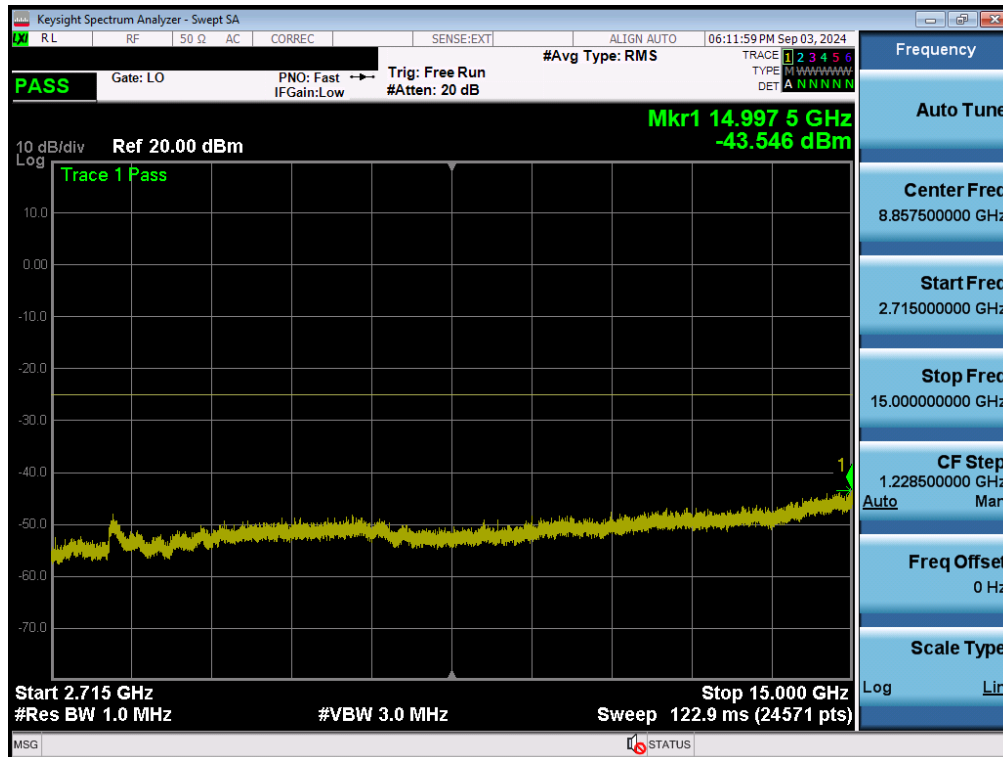
Plot 7-252. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3)/38 – Ant F

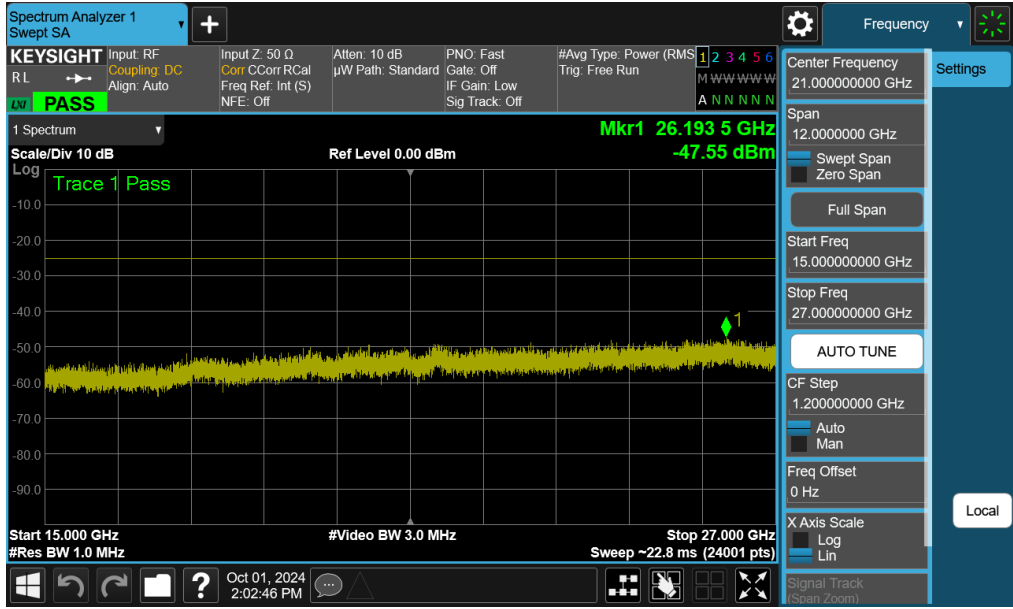


Plot 7-254. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant F)



Plot 7-255. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 167 of 281



Plot 7-256. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 168 of 281

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Mid	30.0 - 2288.0	-47.54	-40	-7.54
		Mid	2570.0 - 15000.0	-51.04	-40	-11.04
		Mid	15000.0 - 27000.0	-56.00	-40	-16.00
NR-n7	50MHz	Low	30.0 - 2500.0	-46.77	-25.0	-21.77
		Low	2570.0 - 15000.0	-35.61	-25.0	-10.61
		Low	15000.0 - 27000.0	-45.77	-25	-20.77
		Mid	30.0 - 2500.0	-46.79	-25	-21.79
		Mid	2570.0 - 15000.0	-36.18	-25	-11.18
		Mid	15000.0 - 27000.0	-45.35	-25	-20.35
		High	30.0 - 2500.0	-46.69	-25	-21.69
		High	2570.0 - 15000.0	-36.31	-25	-11.31
		High	15000.0 - 27000.0	-46.20	-25	-21.20

Table 7-23. Conducted Emission Test Results – NR – Ant F

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant F



Plot 7-257. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant F)



Plot 7-258. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant F)

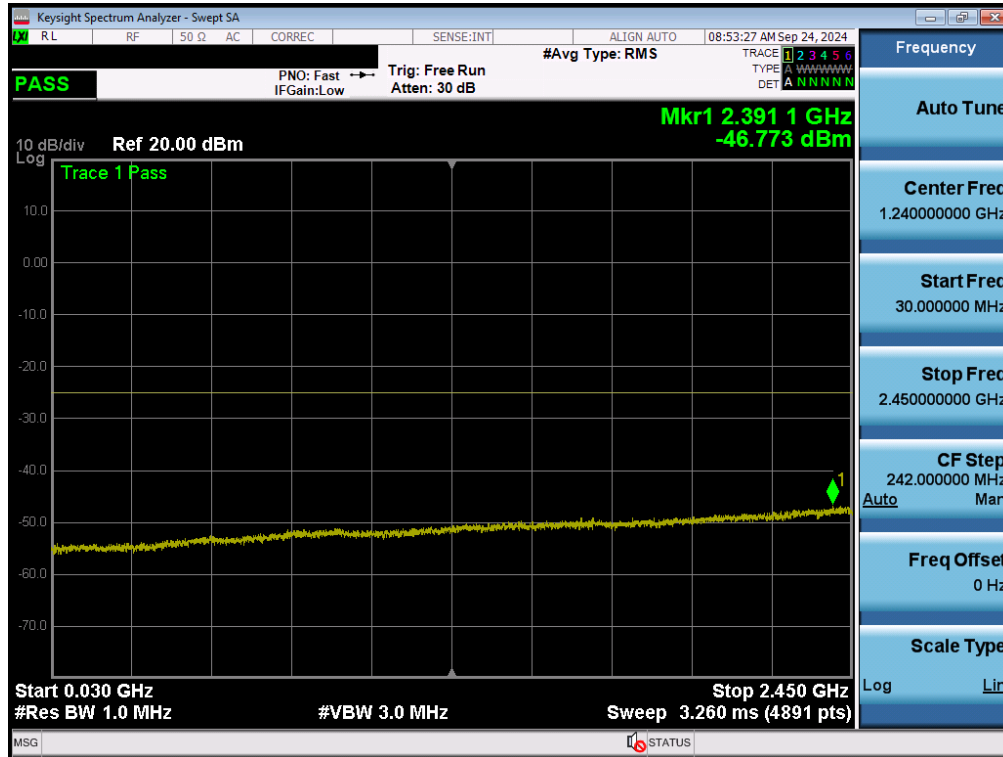
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 170 of 281



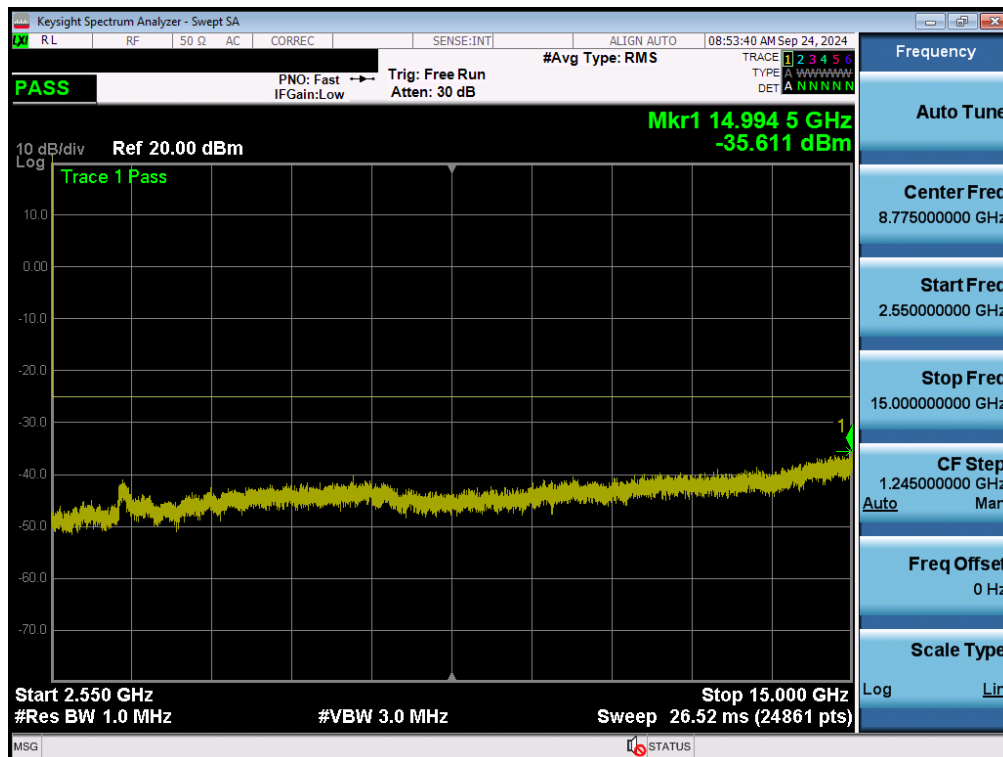
Plot 7-259. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7 – Ant F



Plot 7-260. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant F)



Plot 7-261. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-37.5	-25	-12.50
		Low	2690.0 - 15000.0	-40.69	-25	-15.69
		Low	15000.0 - 27000.0	-47.06	-25	-22.06
		Mid	30.0 - 2470.0	-37.14	-25	-12.14
		Mid	2690.0 - 15000.0	-39.72	-25	-14.72
		Mid	15000.0 - 27000.0	-46.56	-25	-21.56
		High	30.0 - 2470.0	-36.64	-25	-11.64
		High	2715.0 - 15000.0	-40.52	-25	-15.52
		High	15000.0 - 27000.0	-46.79	-25	-21.79

Table 7-24. Conducted Emission Test Results – NR – Ant B

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-38.98	-25	-13.98
		Low	2690.0 - 15000.0	-39.74	-25	-14.74
		Low	15000.0 - 27000.0	-47.30	-25	-22.30
		Mid	30.0 - 2470.0	-38.00	-25	-13.00
		Mid	2690.0 - 15000.0	-40.58	-25	-15.58
		Mid	15000.0 - 27000.0	-46.76	-25	-21.76
		High	30.0 - 2470.0	-37.39	-25	-12.39
		High	2715.0 - 15000.0	-40.54	-25	-15.54
		High	15000.0 - 27000.0	-47.13	-25	-22.13

Table 7-25. Conducted Emission Test Results – NR – Ant F– Switching

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-39.36	-25	-14.36
		Low	2690.0 - 15000.0	-41.33	-25	-16.33
		Low	15000.0 - 27000.0	-46.96	-25	-21.95
		Mid	30.0 - 2470.0	-39.04	-25	-14.04
		Mid	2690.0 - 15000.0	-40.9	-25	-15.90
		Mid	15000.0 - 27000.0	-46.82	-25	-21.82
		High	30.0 - 2470.0	-37.3	-25	-12.30
		High	2715.0 - 15000.0	-40.64	-25	-15.64
		High	15000.0 - 27000.0	-47.23	-25	-22.23

Table 7-26. Conducted Emission Test Results – NR – Ant E

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-38.51	-25	-13.51
		Low	2690.0 - 15000.0	-40.29	-25	-15.29
		Low	15000.0 - 27000.0	-46.62	-25	-21.62
		Mid	30.0 - 2470.0	-38.76	-25	-13.76
		Mid	2690.0 - 15000.0	-39.41	-25	-14.41
		Mid	15000.0 - 27000.0	-46.86	-25	-21.86
		High	30.0 - 2470.0	-39.03	-25	-14.03
		High	2715.0 - 15000.0	-40.55	-25	-15.55
		High	15000.0 - 27000.0	-47.09	-25	-22.09

Table 7-27. Conducted Emission Test Results – NR – Ant D – Switching

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-38.97	-25	-13.97
		Low	2690.0 - 15000.0	-40	-25	-15.00
		Low	15000.0 - 27000.0	-46.98	-25	-21.98
		Mid	30.0 - 2470.0	-38.72	-25	-13.71
		Mid	2690.0 - 15000.0	-40.47	-25	-15.47
		Mid	15000.0 - 27000.0	-55.55	-34.21	-21.34
		High	30.0 - 2470.0	-38.24	-25	-13.24
		High	2715.0 - 15000.0	-40.74	-25	-15.74
		High	15000.0 - 27000.0	-47.06	-25	-22.06

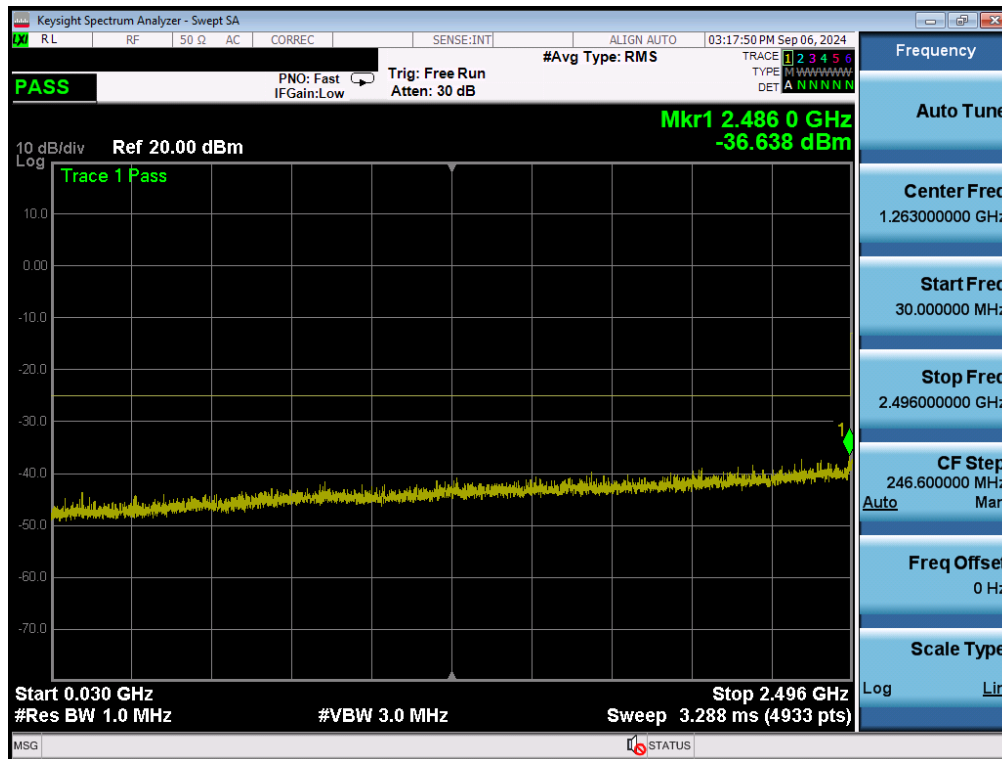
Table 7-28. Conducted Emission Test Results – NR – Ant D

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	30.0 - 2470.0	-38.44	-25	-13.44
		Low	2690.0 - 15000.0	-39.85	-25	-14.85
		Low	15000.0 - 27000.0	-46.95	-25	-21.95
		Mid	30.0 - 2470.0	-38.43	-25	-13.43
		Mid	2690.0 - 15000.0	-40.44	-25	-15.44
		Mid	15000.0 - 27000.0	-47.44	-25	-22.44
		High	30.0 - 2470.0	-38.07	-25	-13.07
		High	2715.0 - 15000.0	-40.06	-25	-15.06
		High	15000.0 - 27000.0	-47.30	-25	-22.30

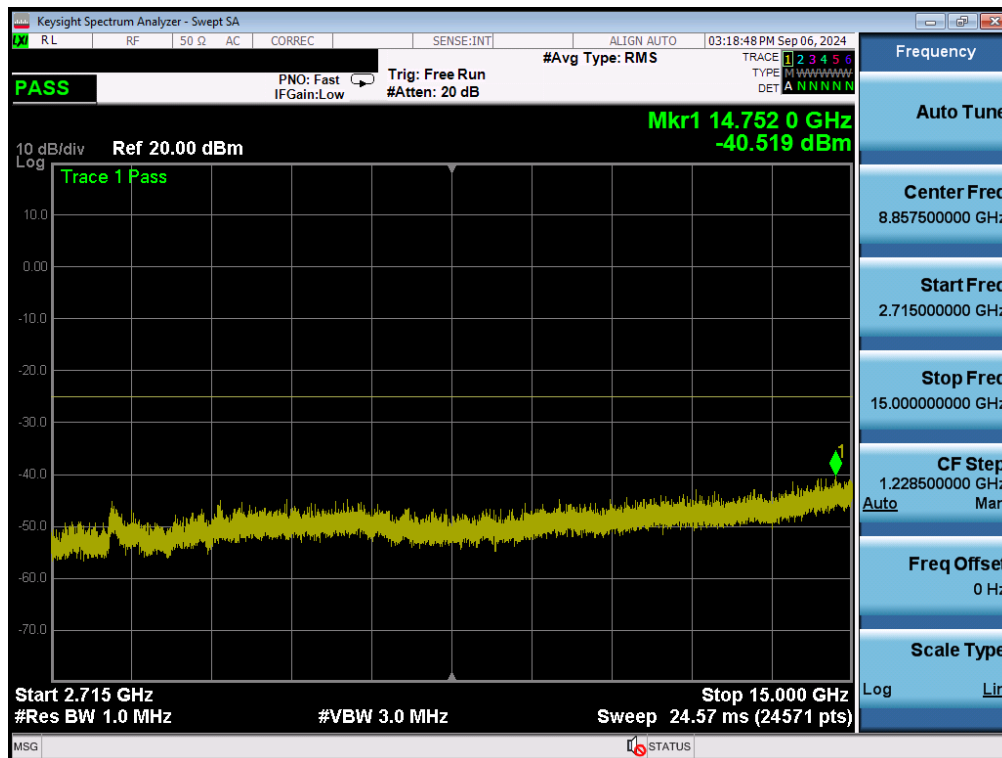
Table 7-29. Conducted Emission Test Results – NR – Ant E – Switching

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant B - Default

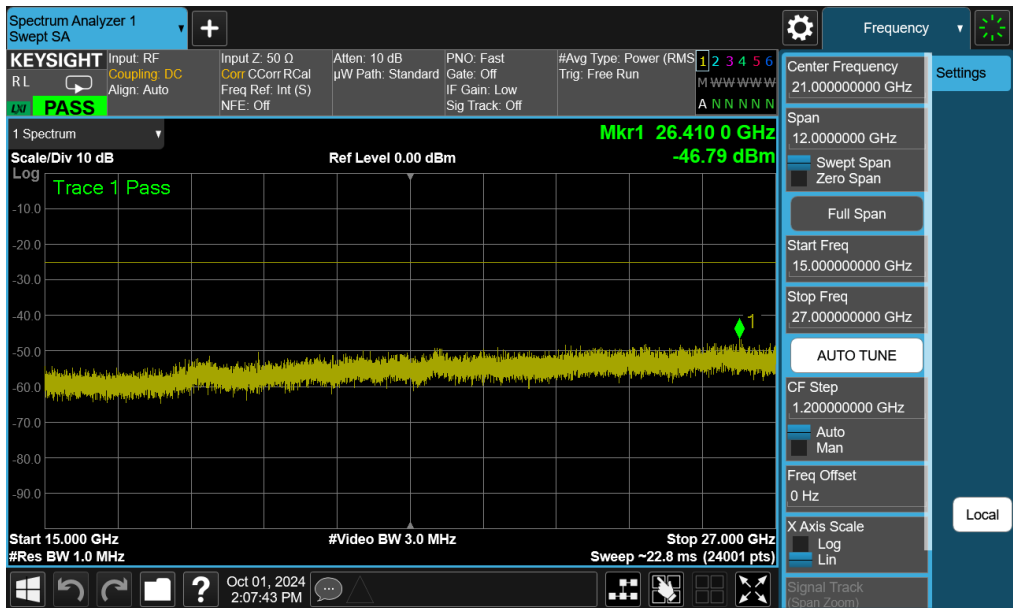


Plot 7-263. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)



Plot 7-264. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)

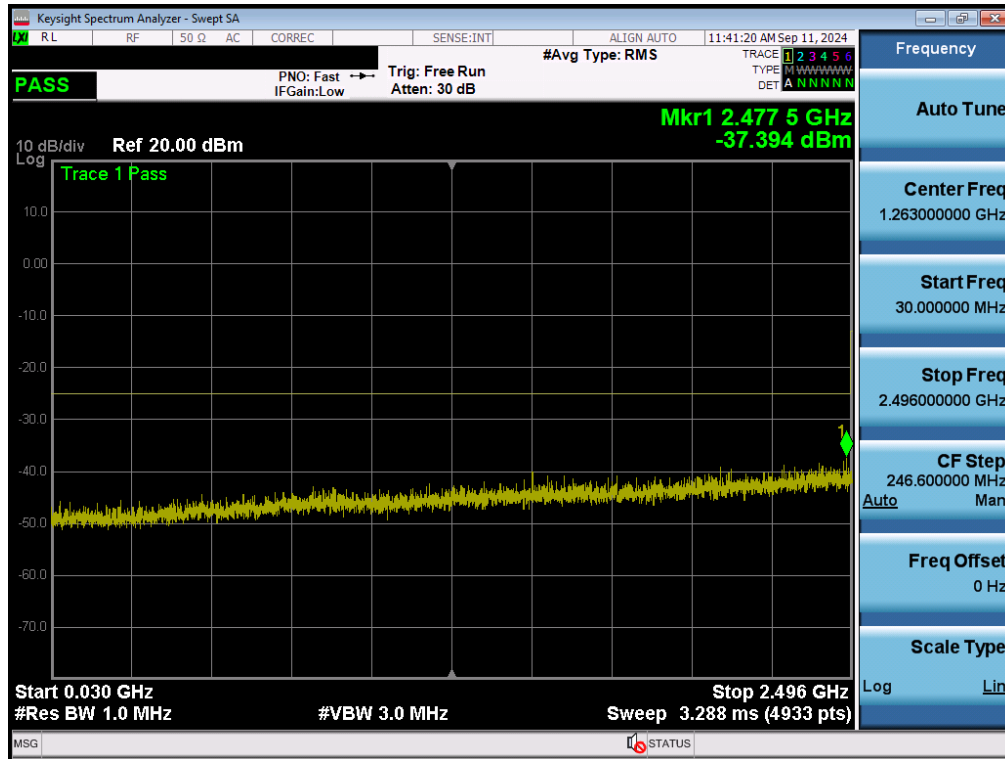
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 176 of 281



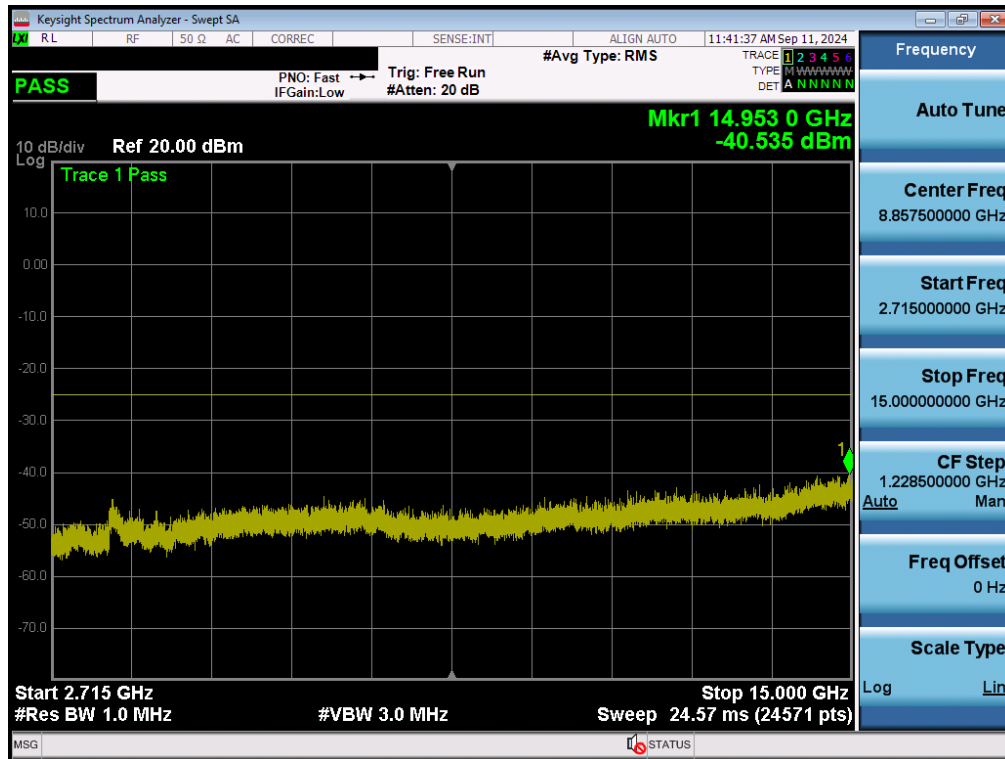
Plot 7-265. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant F - Switching

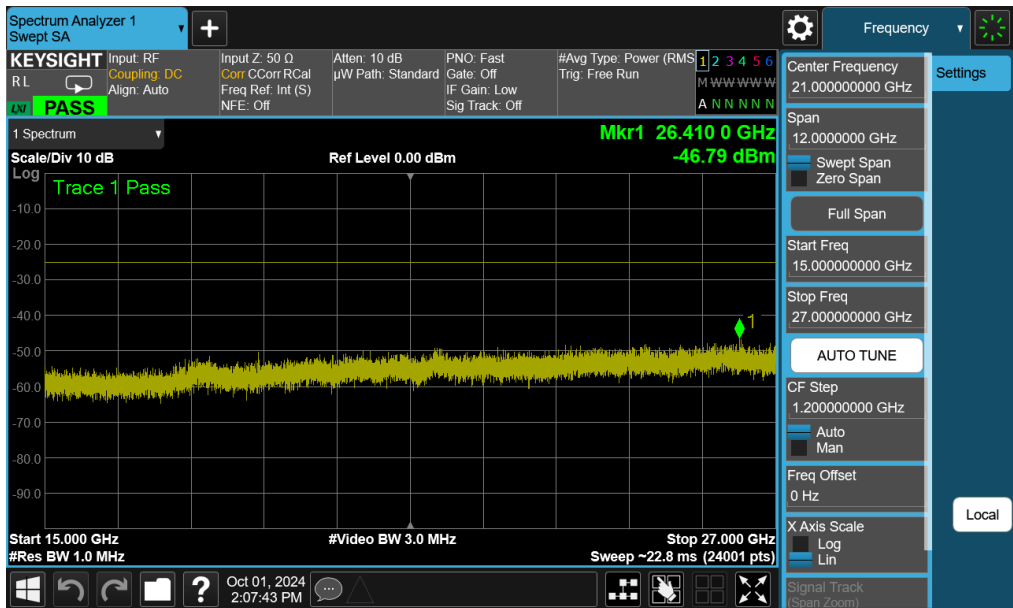


Plot 7-266. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant F)



Plot 7-267. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant F)

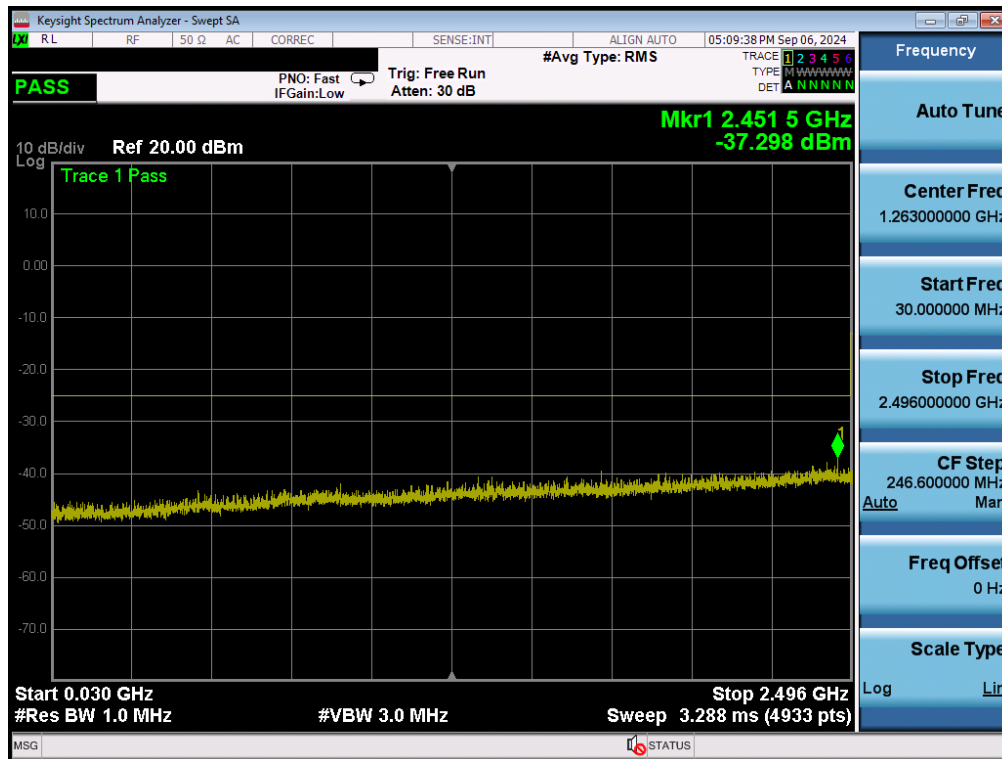
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 178 of 281



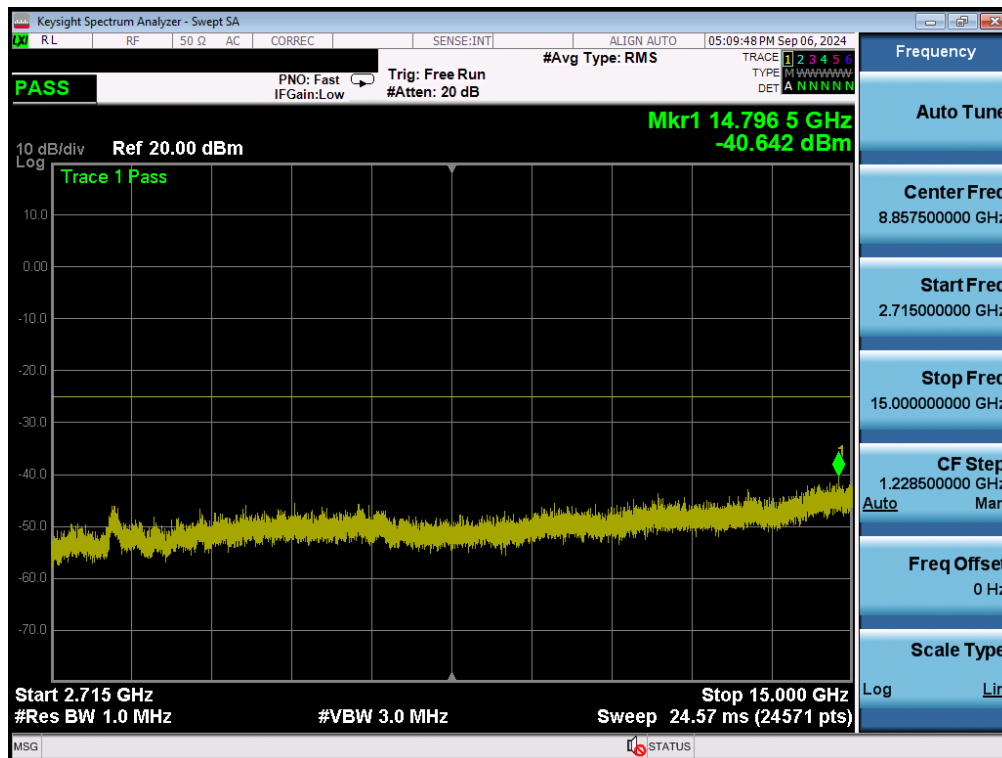
Plot 7-268. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant E - Default

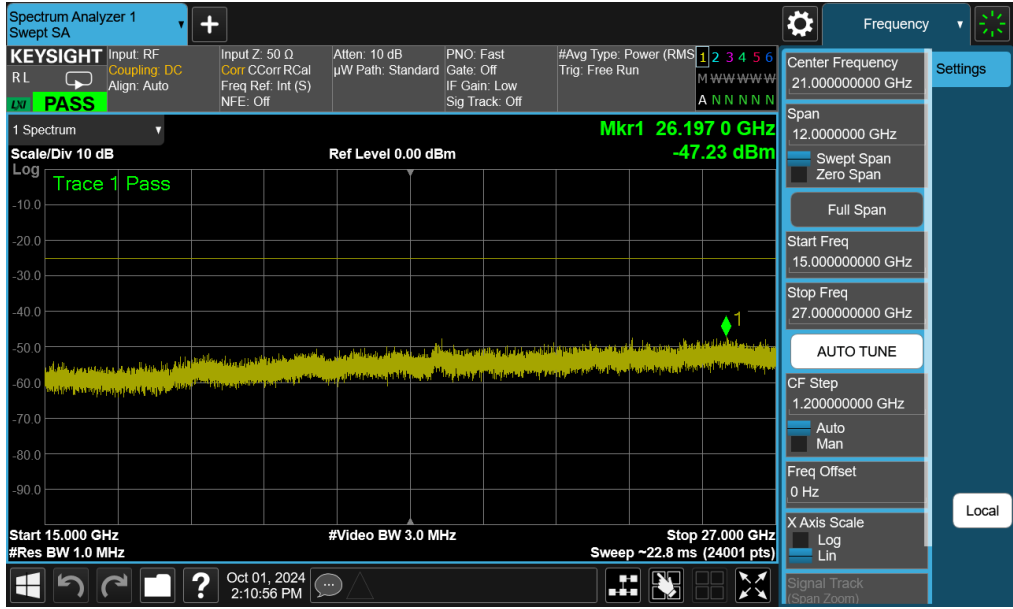


Plot 7-269. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant E)



Plot 7-270. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant E)

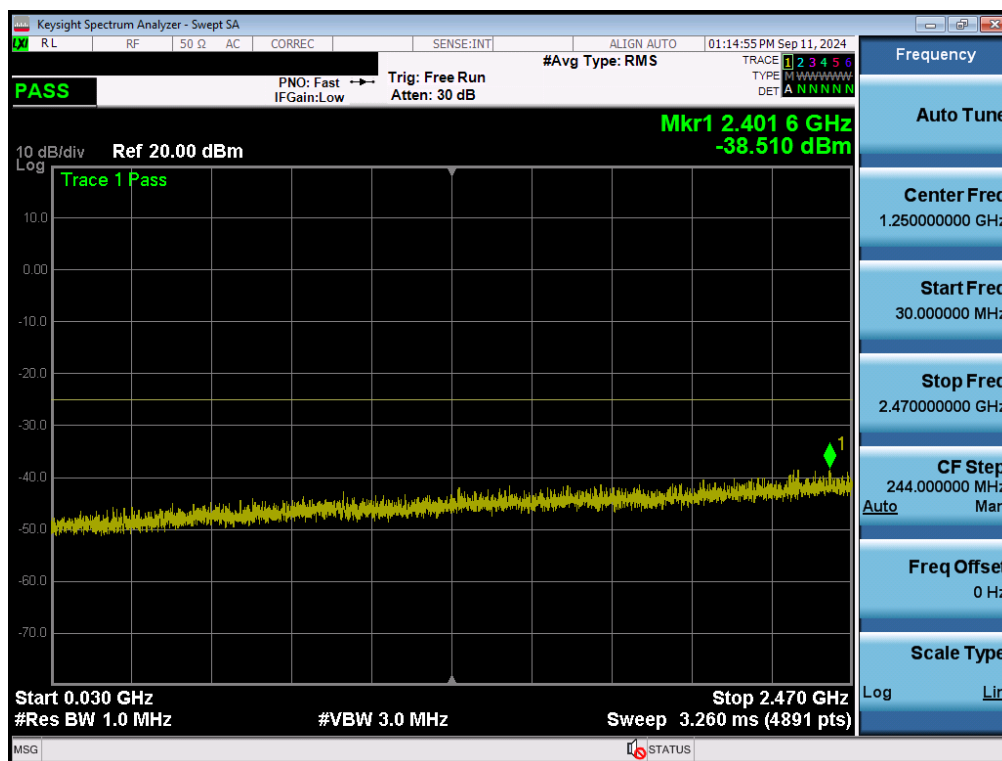
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 180 of 281



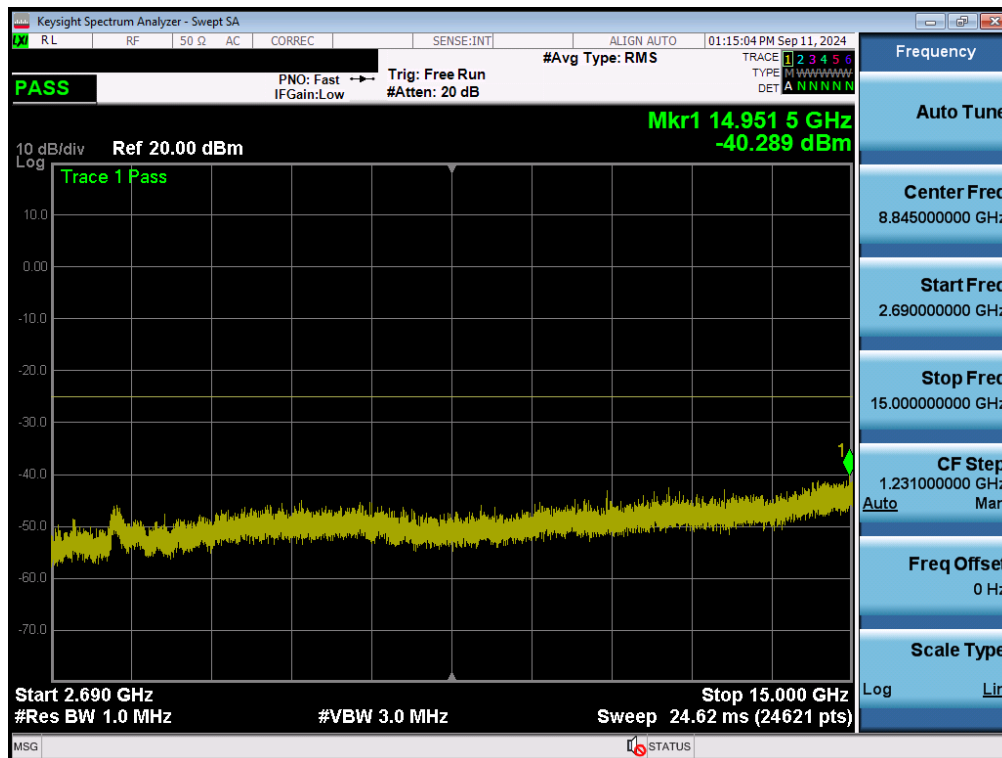
Plot 7-271. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant D - Switching

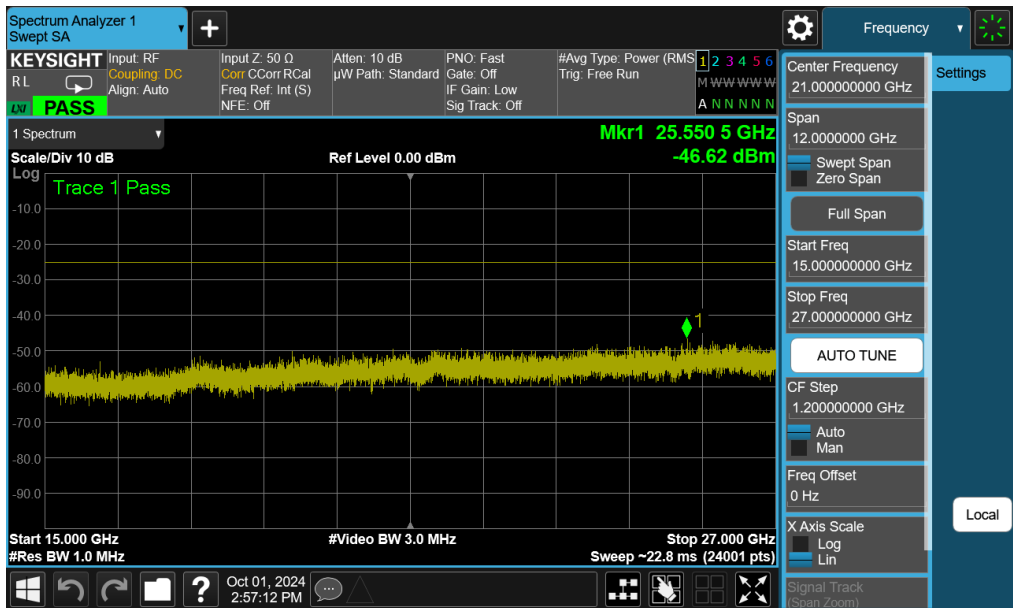


Plot 7-272. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant D)



Plot 7-273. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant D)

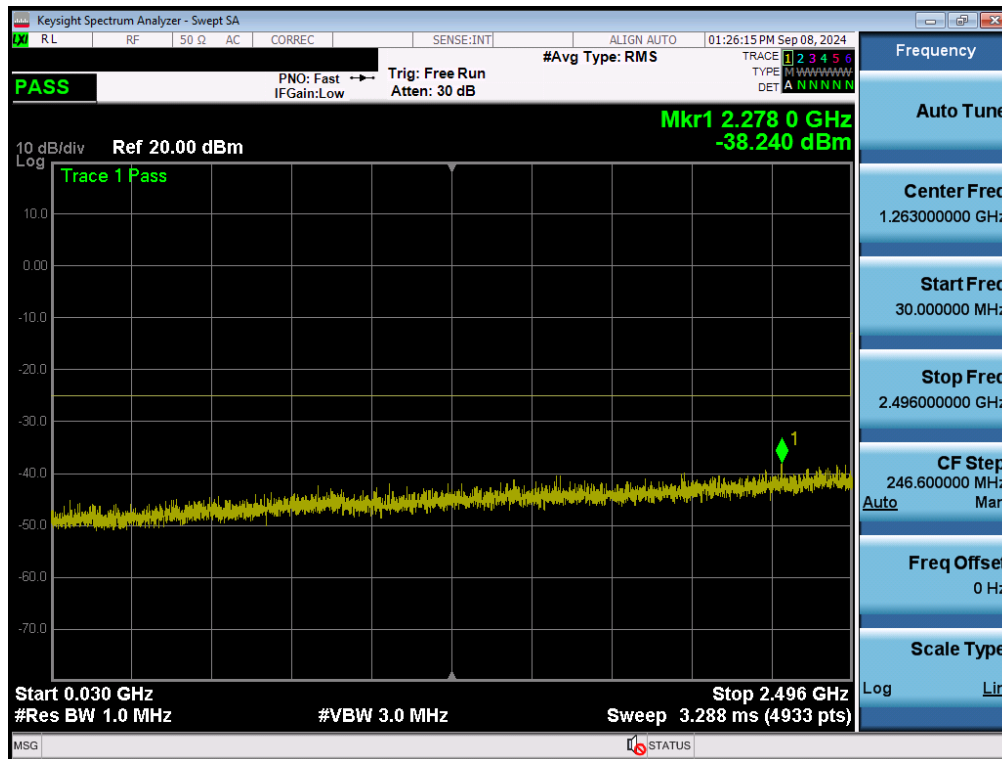
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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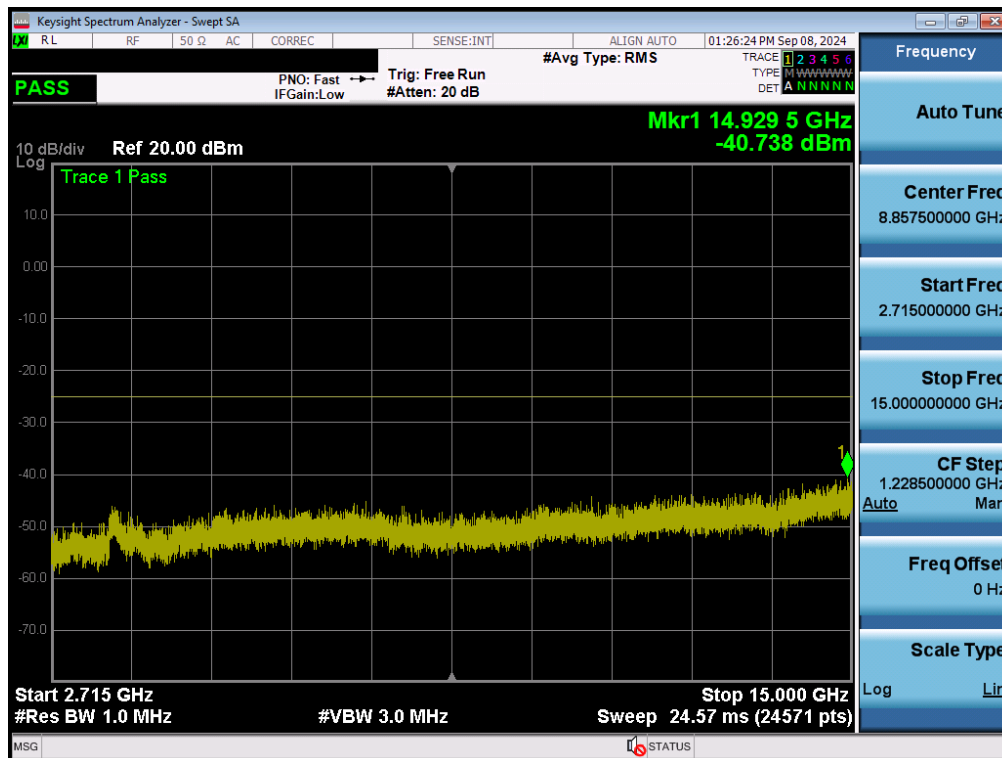
Plot 7-274. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant D)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant D - Default

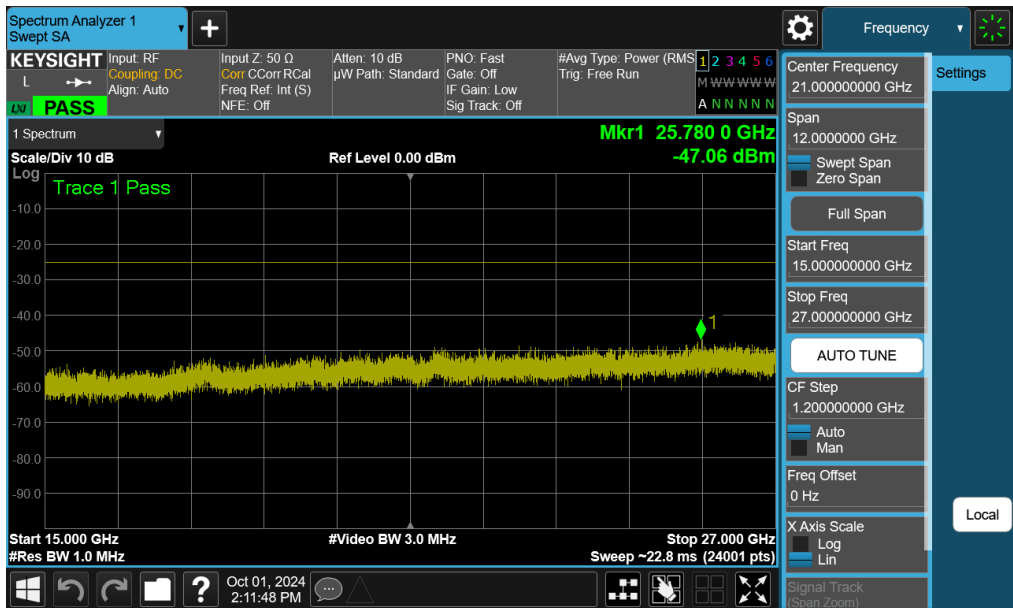


Plot 7-275. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant D)



Plot 7-276. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant D)

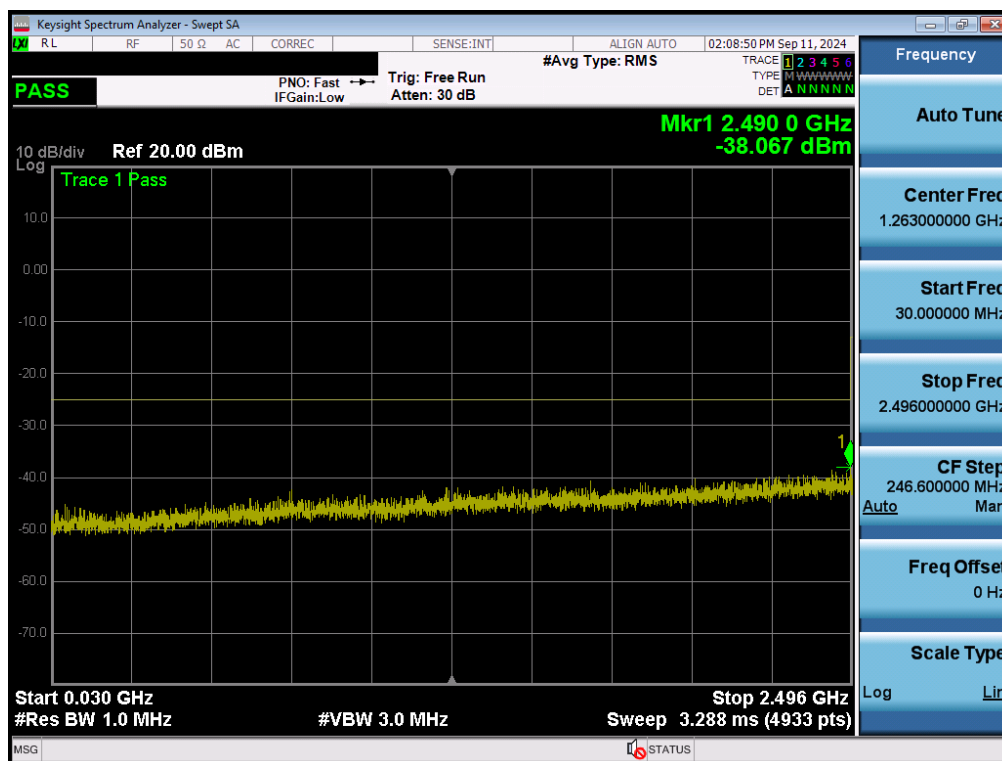
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 184 of 281



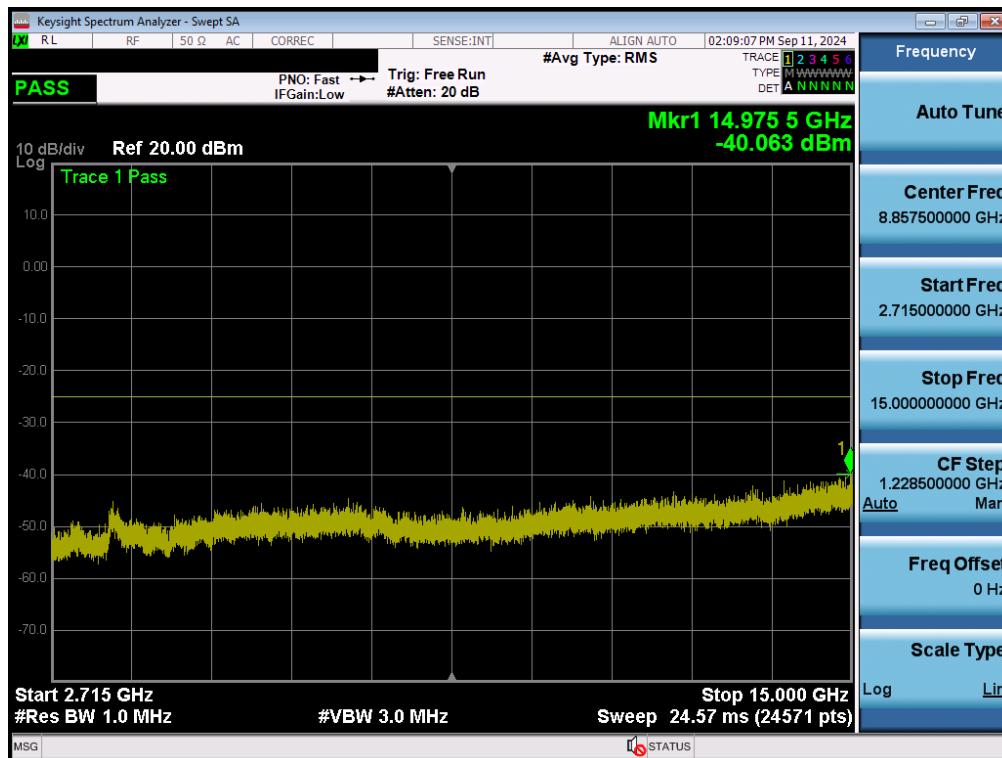
Plot 7-277. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant D)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant E - Switching

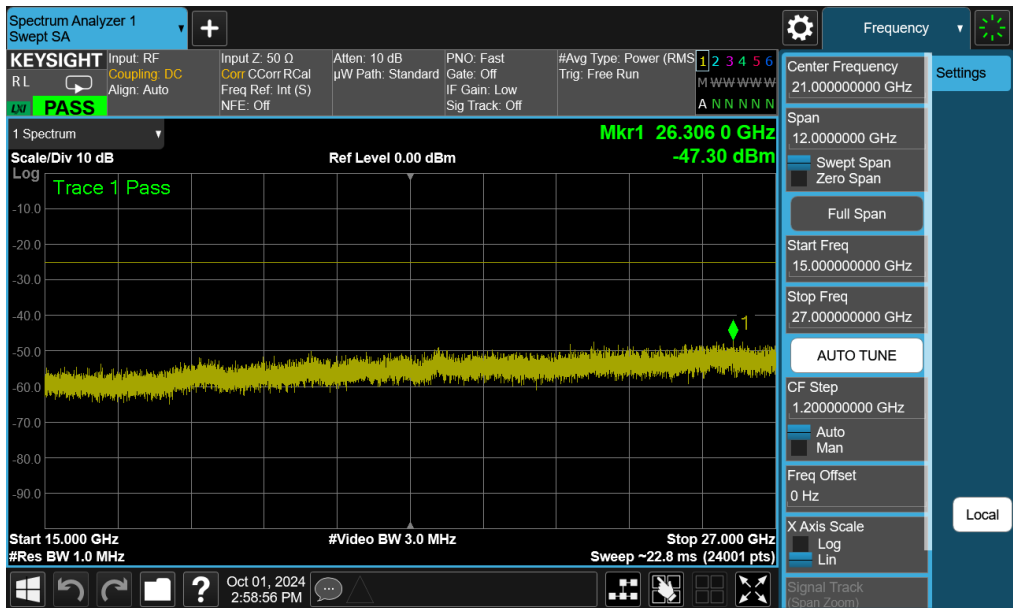


Plot 7-278. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant E)



Plot 7-279. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-280. Conducted Spurious Plot (NR Band n41 - 100MHz QPSK - RB Size 1, RB Offset 0 - High Channel Ant E)

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7.5 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

The minimum permissible attenuation level for Band 30 is $> 43 + 10 \log_{10} (P[\text{Watts}]$ at 2300-2305MHz & 2345-2360MHz, $> 55 + 10 \log_{10} (P[\text{Watts}]$ at 2320-2324MHz & 2341-2345MHz, $> 61 + 10 \log_{10} (P[\text{Watts}]$ at 2324-2328MHz & 2337-2341MHz, $> 67 + 10 \log_{10} (P[\text{Watts}]$ at 2288-2292MHz & 2328-2337MHz, and $> 70 + 10 \log_{10} (P[\text{Watts}]$ at frequencies $< 2288\text{MHz}$ & $> 2365\text{MHz}$.

The minimum permissible attenuation level for Band 7 and 41 is as noted in the Test Notes on the following page.

Test Procedure Used

ANSI C63.26-2015 – Section 5.7.3

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW $\geq 1\%$ of the emission bandwidth
4. VBW $\geq 3 \times \text{RBW}$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span/RBW}$
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

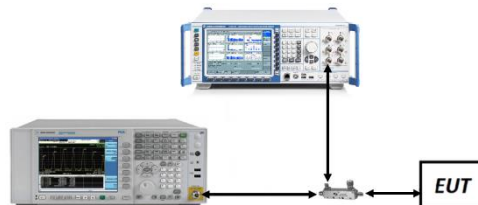


Figure 7-4. Test Instrument & Measurement Setup

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Test Notes

1. Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full required measurement bandwidth (i.e., 1 MHz). The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.
2. Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.
3. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.
4. Per ANSI C63.26-2015, MIMO compliance was addressed by adding $10\log(2) = 3\text{dB}$ to the output of each antenna. A visual inspection of the plots for each antenna shows that the emissions are still compliant even after adding 3dB.

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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-28.35	-13	-15.34
		Low	Extended	-41.96	-37	-4.96
		High	Band Edge	-27.67	-13	-14.67
		High	Extended	-40.64	-37	-3.64
	5MHz	Low	Band Edge	-24.64	-13	-11.64
		Low	Extended	-24.94	-13	-11.94
		High	Band Edge	-25.29	-13	-12.29
		High	Extended	-34.723	-31	-3.72

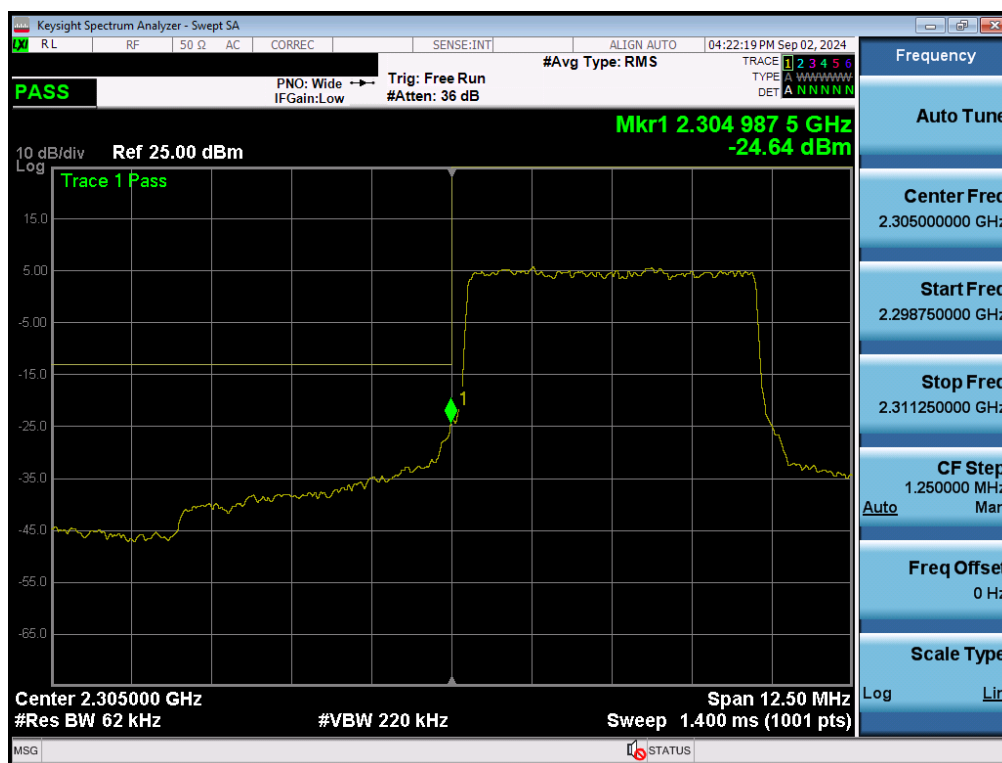
Table 7-30. Conducted Band Edge Test Results – LTE – Ant A

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B7	20MHz	Low	Band Edge	-29.80	-25	-4.80
		High	Band Edge	-39.00	-25	-14.00
	15MHz	Low	Band Edge	-34.26	-25	-9.26
		High	Band Edge	-36.51	-25	-11.51
	10MHz	Low	Band Edge	-37.79	-25	-12.79
		High	Band Edge	-36.02	-25	-11.02
	5MHz	Low	Band Edge	-38.67	-25	-13.67
		High	Band Edge	-35.61	-25	-10.61
	LTE-B7 ULCA	Low	Band Edge	-31.56	-25	-6.56
		High	Band Edge	-25.51	-10	-15.51
LTE-B41PC3	20MHz	Low	Band Edge	-30.95	-25	-5.95
		High	Band Edge	-40.46	-25	-15.46
	15MHz	Low	Band Edge	-29.20	-25	-4.20
		High	Band Edge	-37.60	-25	-12.60
	10MHz	Low	Band Edge	-32.49	-25	-7.49
		High	Band Edge	-38.14	-25	-13.14
	5MHz	Low	Band Edge	-22.89	-13	-9.89
		High	Band Edge	-19.14	-10	-9.14

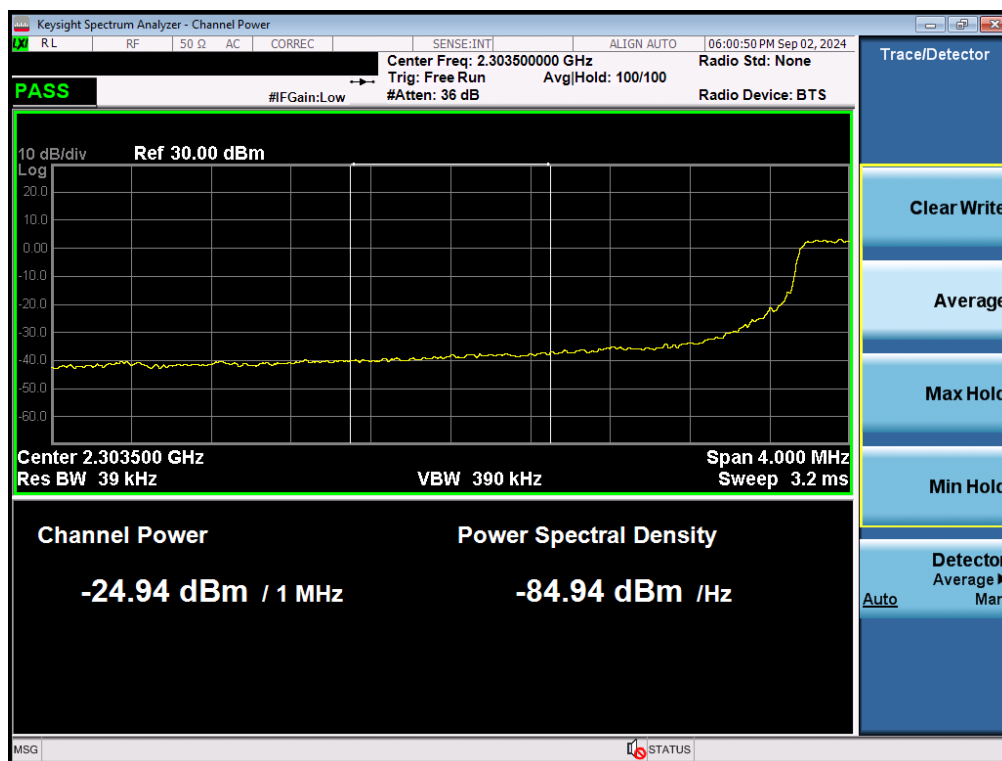
Table 7-31. Conducted Band Edge Test Results – LTE – Ant B

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30 – Ant A



Plot 7-281. Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant A)



Plot 7-282. Extended Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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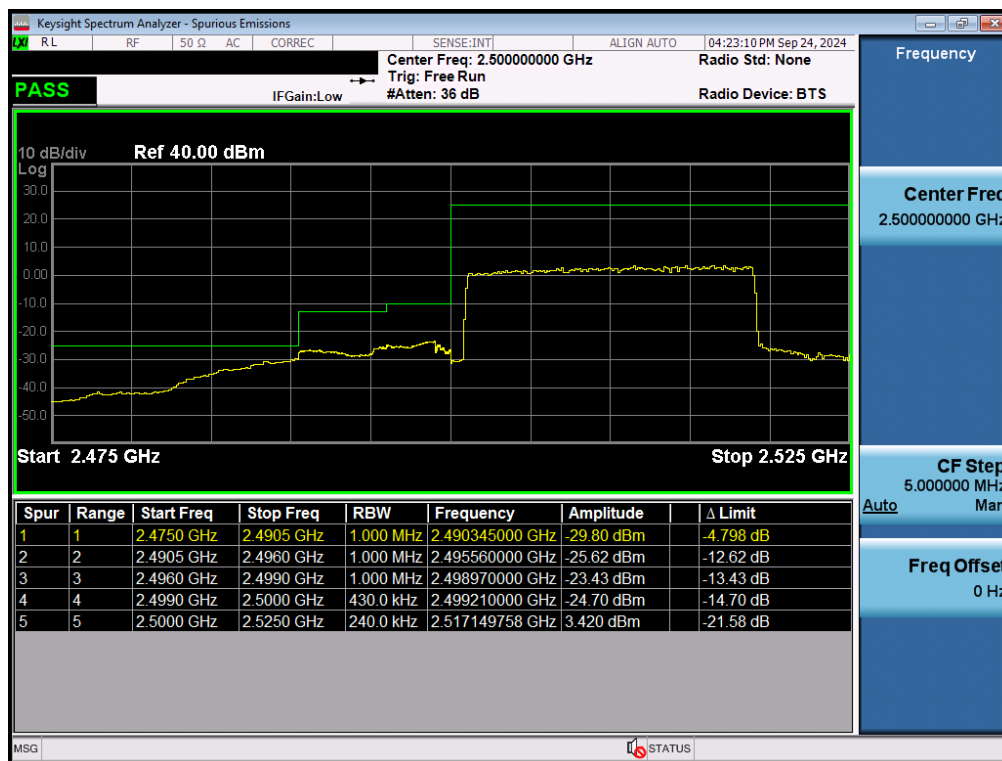
Plot 7-283. Upper Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant A)



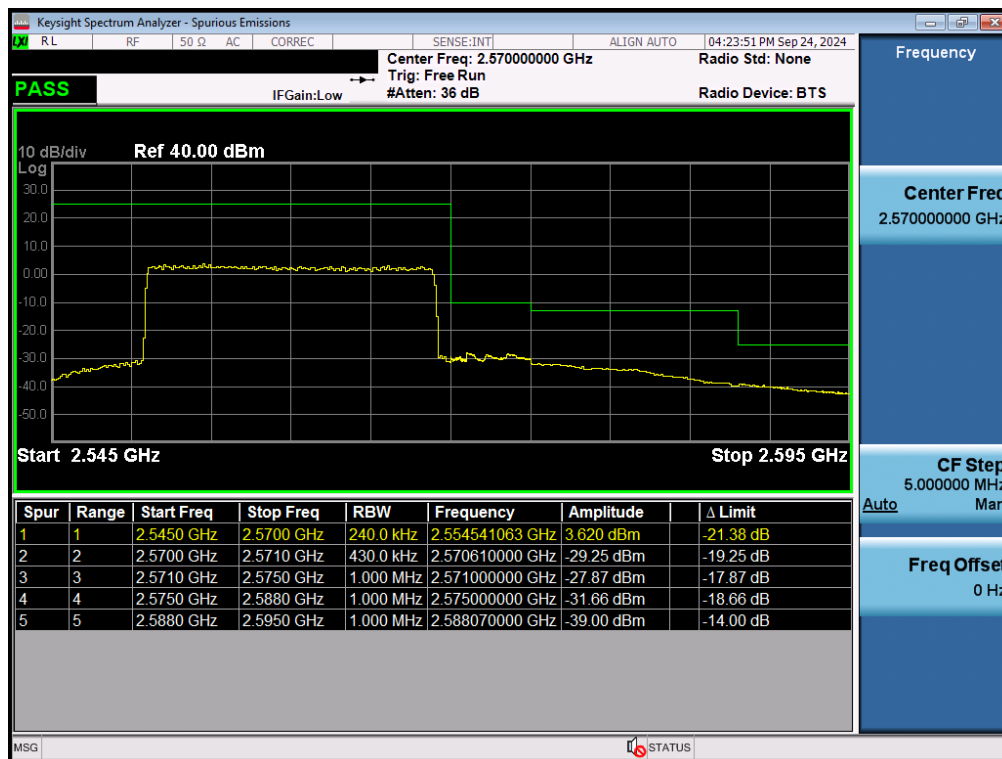
Plot 7-284. Extended Upper Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7 – Ant B



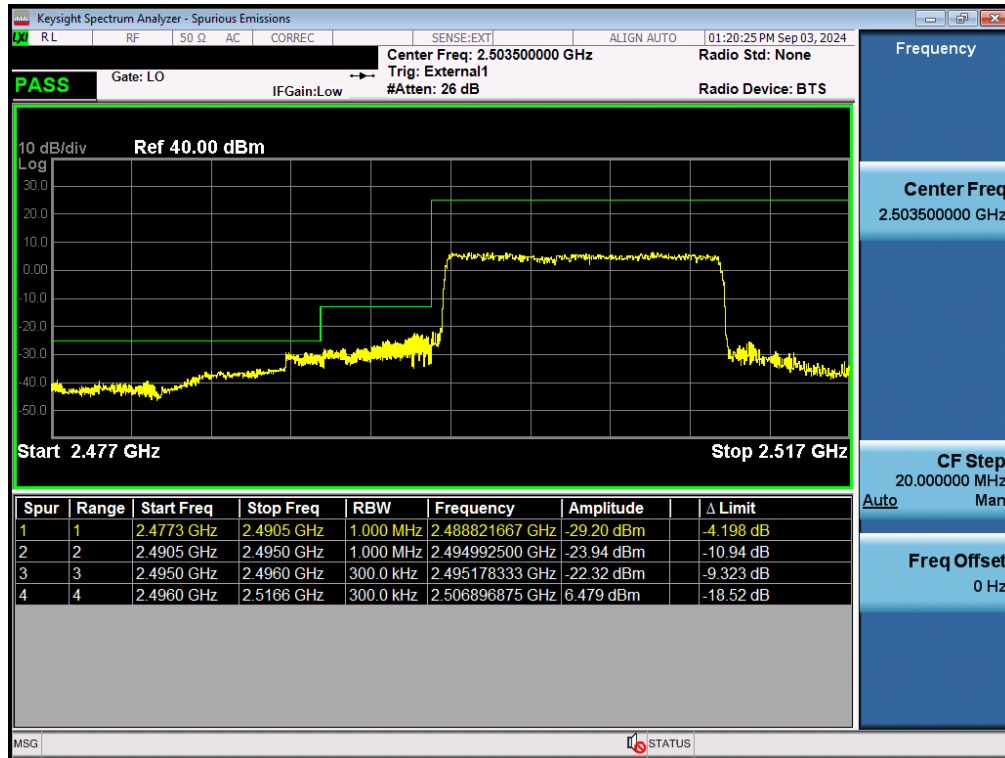
Plot 7-285. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant B)



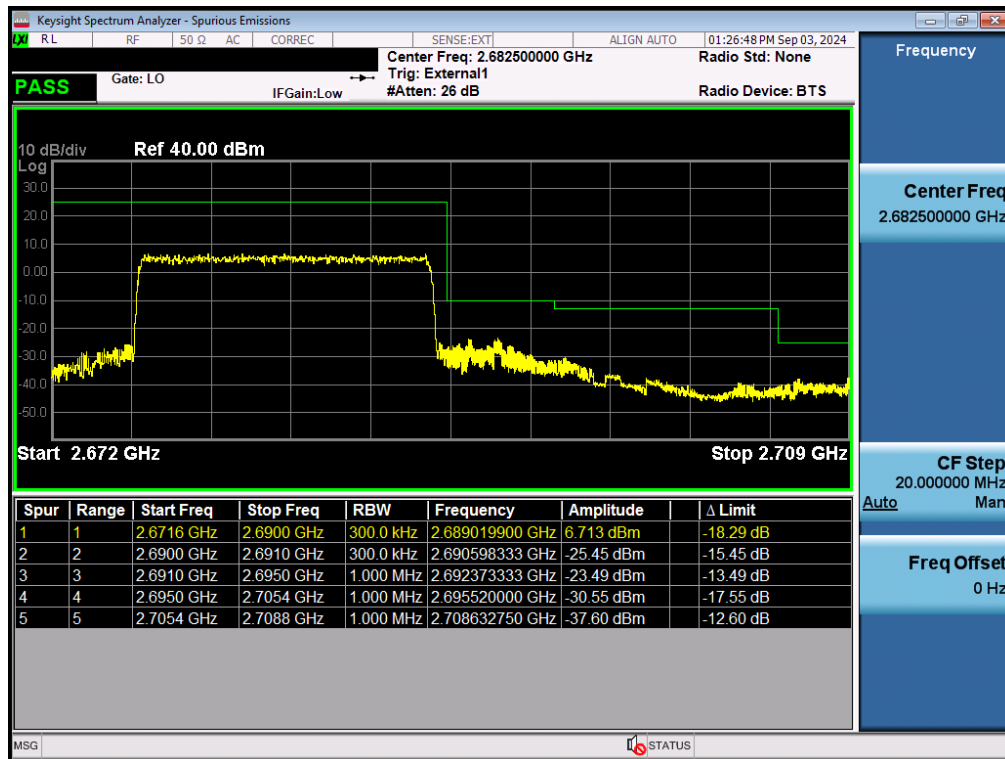
Plot 7-286. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3)/38 – Ant B



Plot 7-287. Lower ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant B)



Plot 7-288. Upper ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Low	Band Edge	-26.52	-13	-13.52
		Low	Extended	-27.97	-13	-14.97
		High	Band Edge	-27.54	-13	-14.54
		High	Extended	-43.17	-37	-6.16
	5MHz	Low	Band Edge	-25.06	-13	-12.06
		Low	Extended	-26.91	-13	-13.91
		High	Band Edge	-35.26	-22	-13.69
		High	Extended	-37.62	-31	-6.62

Table 7-32. Conducted Band Edge Test Results – NR – Ant A

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n7	50MHz	Low	Band Edge	-29.88	-25	-4.88
		High	Band Edge	-16.70	-10	-6.70
	40MHz	Low	Band Edge	-29.93	-25	-4.93
		High	Band Edge	-19.16	-10	-9.16
	30MHz	Low	Band Edge	-30.75	-25	-5.75
		High	Band Edge	-44.11	-25	-19.11
	25MHz	Low	Band Edge	-29.41	-25	-4.41
		High	Band Edge	-37.83	-25	-12.83
	20MHz	Low	Band Edge	-29.83	-25	-4.83
		High	Band Edge	-42.15	-25	-17.15
	15MHz	Low	Band Edge	-31.09	-25	-6.09
		High	Band Edge	-37.70	-25	-12.70
	10MHz	Low	Band Edge	-39.97	-25	-14.97
		High	Band Edge	-36.70	-25	-11.70
	5MHz	Low	Band Edge	-38.91	-25	-13.91
		High	Band Edge	-36.42	-25	-11.42

Table 7-33. Conducted Band Edge Test Results – NR – Ant B

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-29.50	-25	-4.50
		High	Band Edge	-26.09	-10	-16.09
	90MHz	Low	Band Edge	-37.84	-20	-12.84
		High	Band Edge	-30.28	-10	-20.28
	80MHz	Low	Band Edge	-29.18	-25	-4.18
		High	Band Edge	-26.57	-10	-16.57
	70MHz	Low	Band Edge	-35.14	-25	-10.14
		High	Band Edge	-34.62	-13	-21.62
	60MHz	Low	Band Edge	-30.35	-25	-5.35
		High	Band Edge	-24.04	-10	-14.04
	50MHz	Low	Band Edge	-34.25	-25	-9.25
		High	Band Edge	-44.75	-25	-19.75
	45MHz	Low	Band Edge	-30.56	-25	-5.56
		High	Band Edge	-25.91	-10	-15.91
	40MHz	Low	Band Edge	-32.31	-25	-7.31
		High	Band Edge	-26.88	-10	-16.88
	35MHz	Low	Band Edge	-34.26	-25	-9.26
		High	Band Edge	-42.67	-25	-17.67
	30MHz	Low	Band Edge	-34.26	-25	-9.26
		High	Band Edge	-42.67	-25	-17.67
	25MHz	Low	Band Edge	-32.13	-25	-7.13
		High	Band Edge	-40.74	-25	-15.74
	20MHz	Low	Band Edge	-32.13	-25	-7.13
		High	Band Edge	-40.74	-25	-15.74
	15MHz	Low	Band Edge	-30.04	-25	-5.04
		High	Band Edge	-41.56	-25	-16.56
	10MHz	Low	Band Edge	-28.26	-25	-3.26
		High	Band Edge	-30.49	-10	-20.49

Table 7-34. Conducted Band Edge Test Results – NR – Ant F

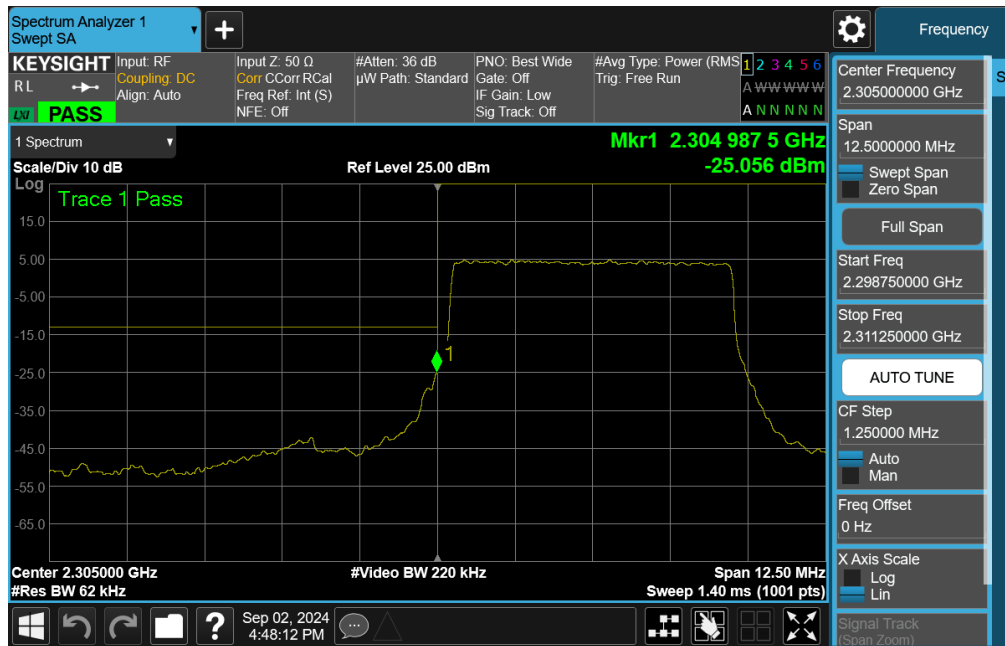
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-30.58	-25	-5.58
		High	Band Edge	-27.28	-10	-17.28
	90MHz	Low	Band Edge	-37.84	-25	-12.84
		High	Band Edge	-30.28	-10	-20.28
	80MHz	Low	Band Edge	-32.96	-25	-7.96
		High	Band Edge	-29.31	-10	-19.31
	70MHz	Low	Band Edge	-35.14	-25	-10.14
		High	Band Edge	-34.62	-13	-21.62
	60MHz	Low	Band Edge	-32.85	-25	-7.85
		High	Band Edge	-24.38	-10	-14.38
	50MHz	Low	Band Edge	-34.25	-25	-9.25
		High	Band Edge	-44.75	-25	-19.75
	45MHz	Low	Band Edge	-32.65	-25	-7.65
		High	Band Edge	-45.08	-25	-20.08
	40MHz	Low	Band Edge	-32.40	-25	-7.40
		High	Band Edge	-29.23	-10	-19.23
	35MHz	Low	Band Edge	-34.26	-25	-9.26
		High	Band Edge	-42.67	-25	-17.67
	30MHz	Low	Band Edge	-34.26	-25	-9.26
		High	Band Edge	-42.67	-25	-17.67
	25MHz	Low	Band Edge	-32.13	-25	-7.13
		High	Band Edge	-40.74	-25	-15.74
	20MHz	Low	Band Edge	-32.13	-25	-7.13
		High	Band Edge	-40.74	-25	-15.74
	15MHz	Low	Band Edge	-30.04	-25	-5.04
		High	Band Edge	-41.56	-25	-16.56
	10MHz	Low	Band Edge	-28.26	-25	-3.26
		High	Band Edge	-30.49	-10	-20.49

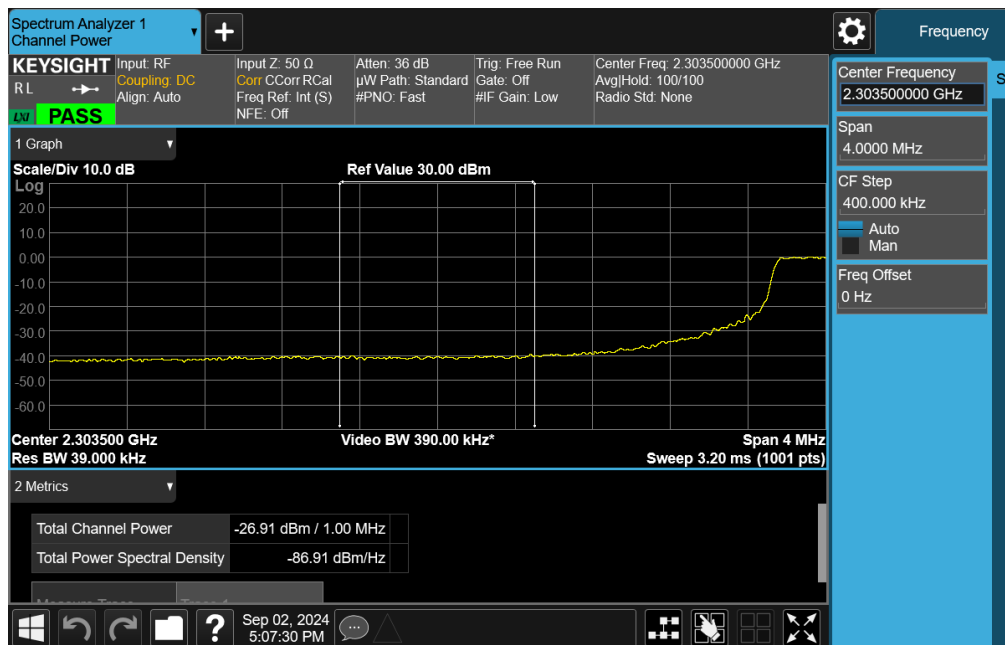
Table 7-35. Conducted Band Edge Test Results – NR – Ant B Switching

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant A

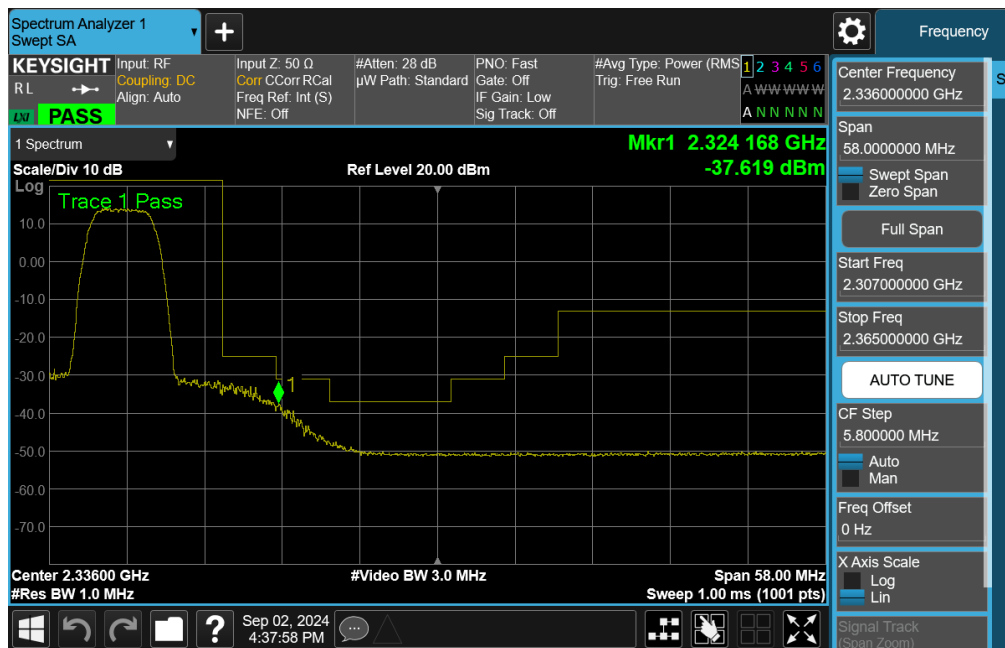
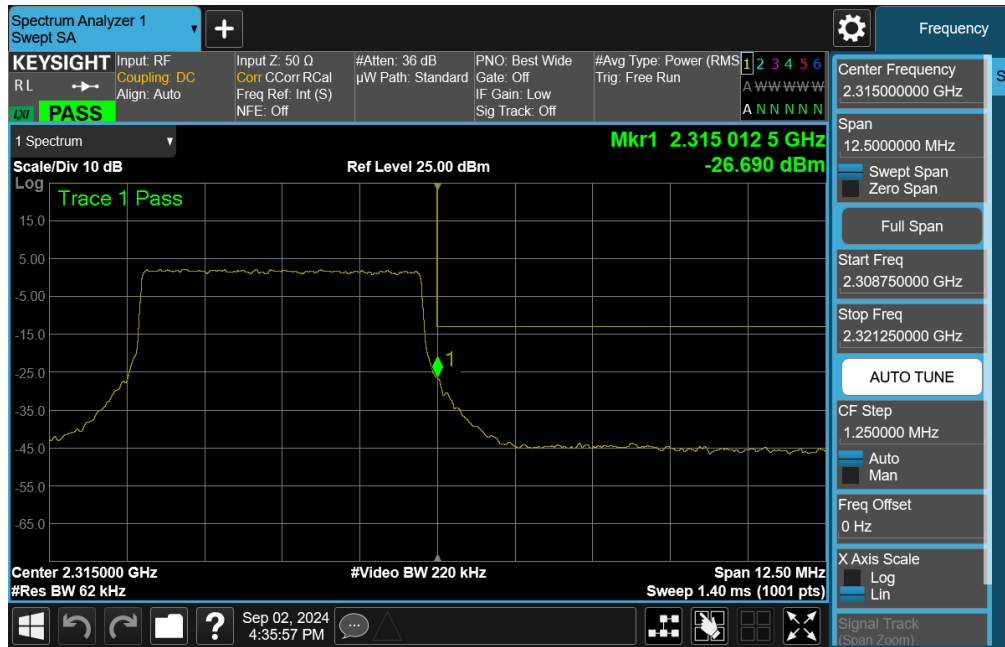


Plot 7-289. Lower Band Edge Plot (NR Band n30 - 5MHz DFT-s-OFDM-BPSK – Full RB - Ant A)



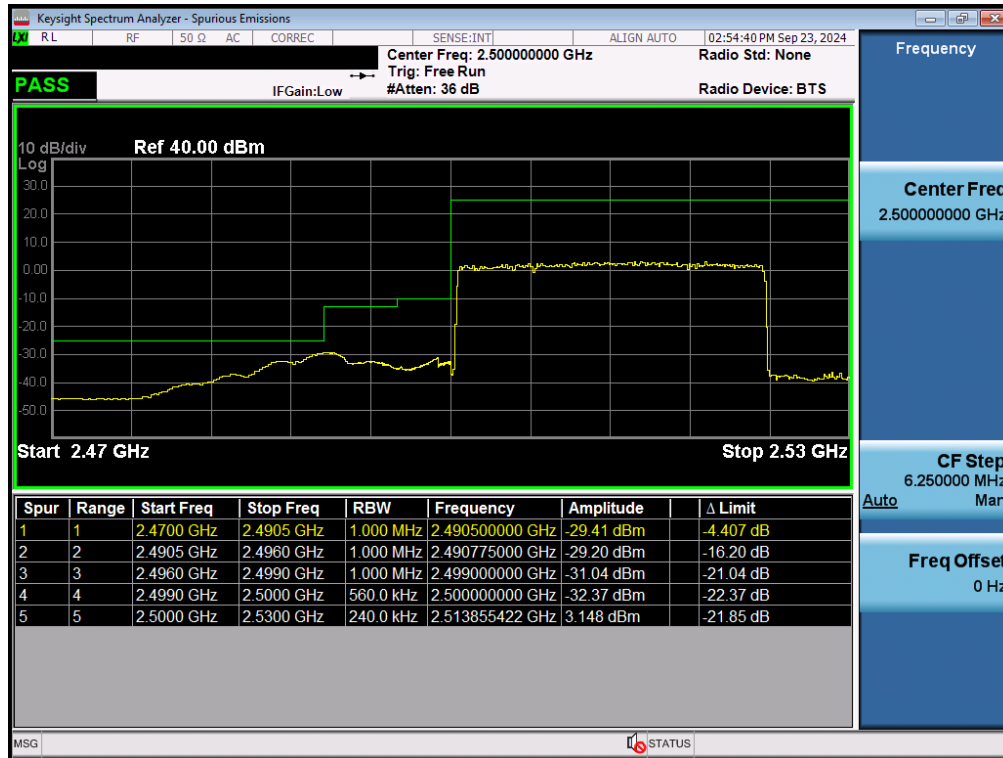
Plot 7-290. Extended Lower Band Edge Plot (NR Band n30 - 5MHz CP-OFDM-QPSK – Full RB - Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 197 of 281

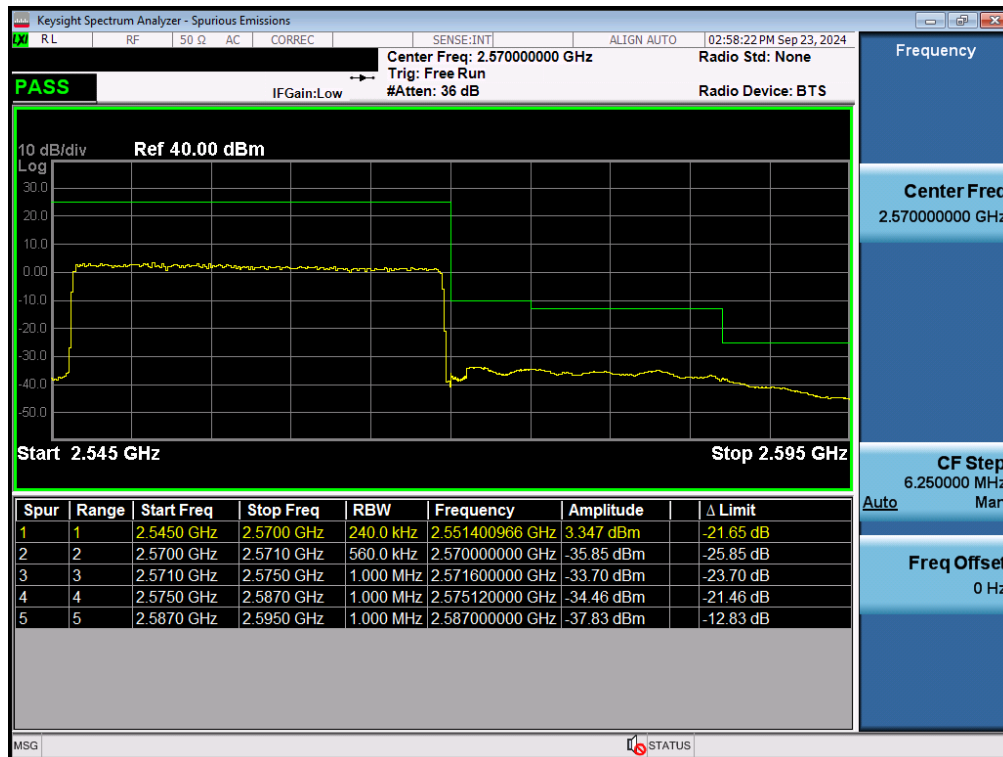


FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7 – Ant B



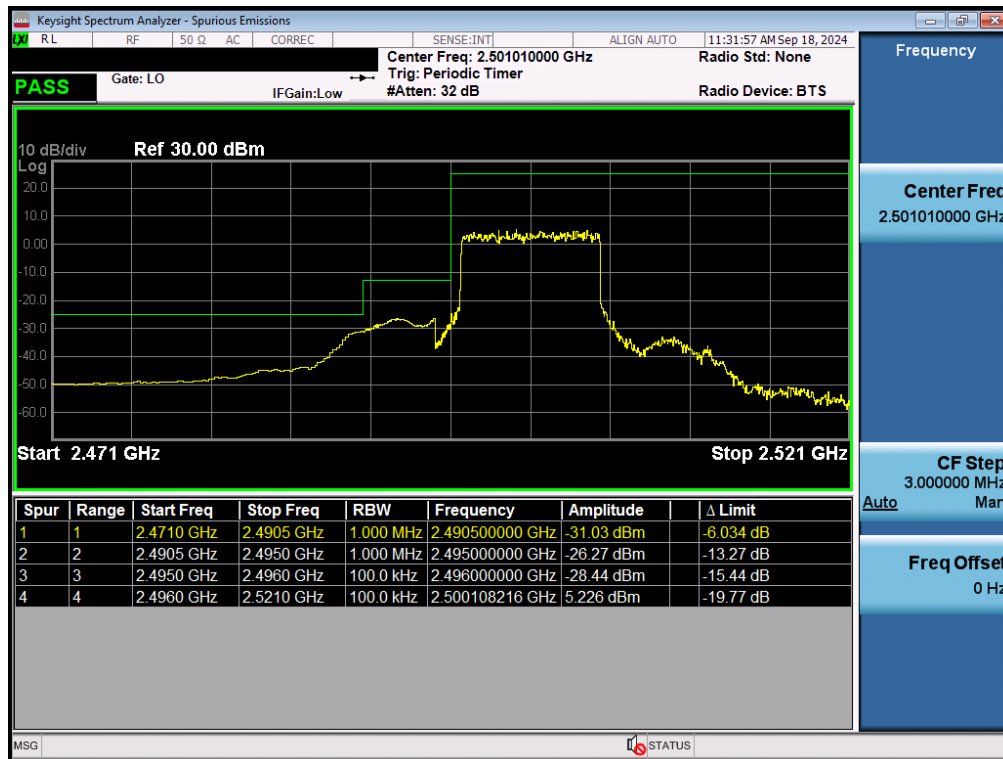
Plot 7-293. Lower Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM-BPSK – Full RB - Ant B)



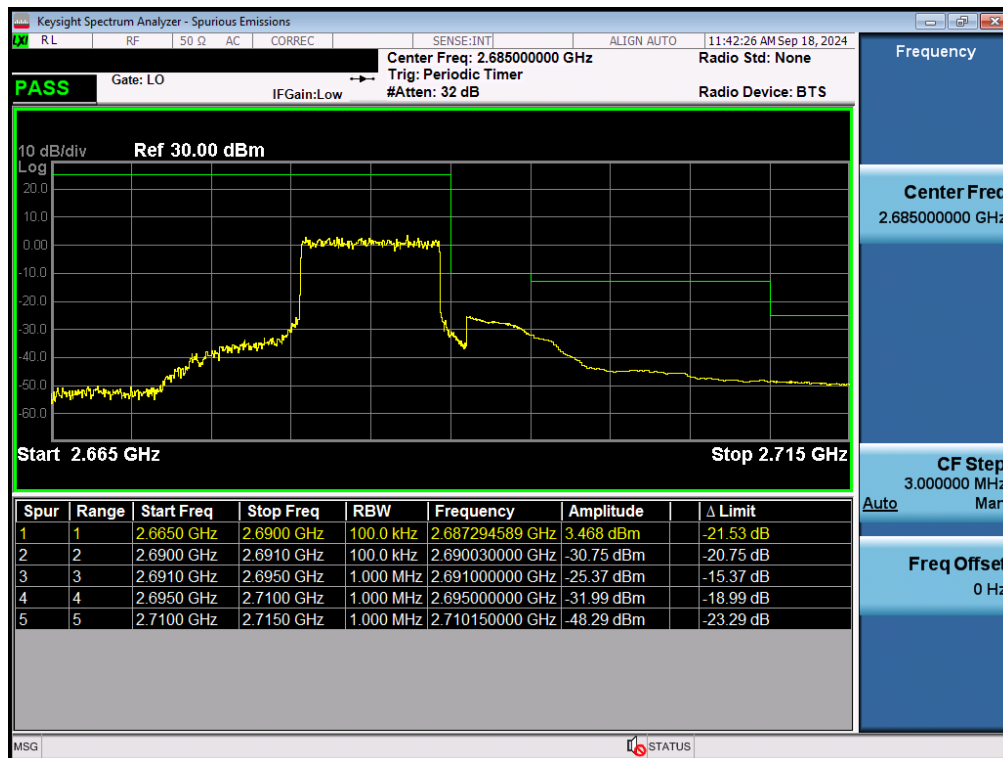
Plot 7-294. Upper Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM-BPSK – Full RB - Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 199 of 281

NR Band n41 – Ant F – Default



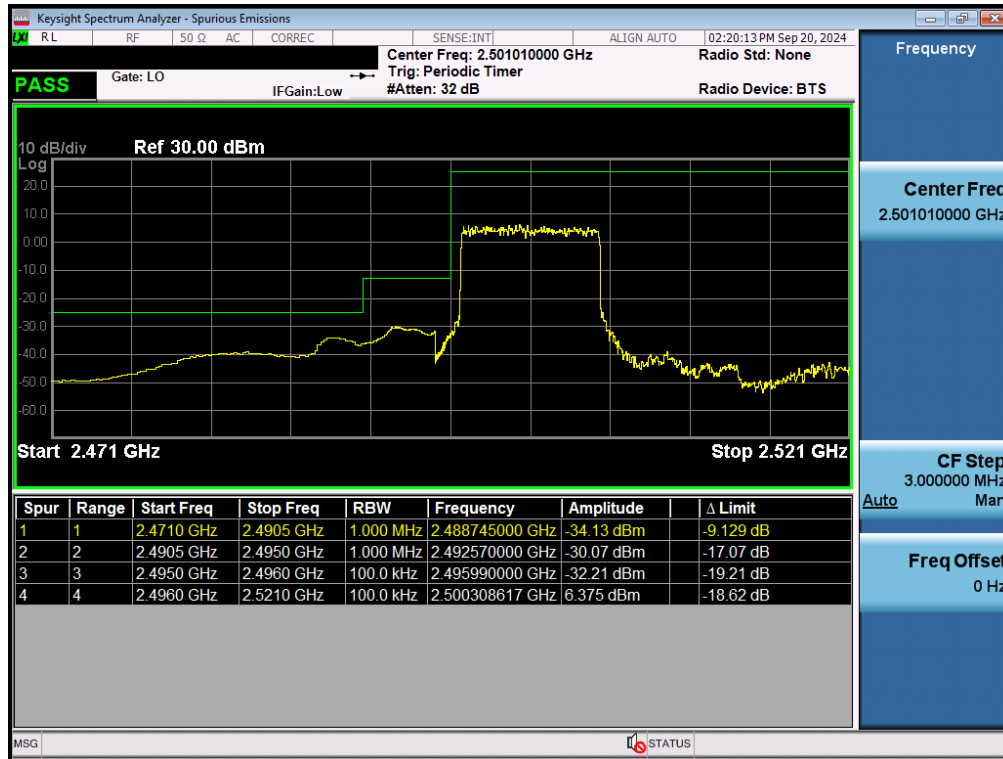
Plot 7-295. Lower Band Edge Plot (NR Band n41 - 10MHz DFT-s-OFDM-QPSK – Full RB - Ant F)



Plot 7-296. Upper Band Edge Plot (NR Band n41 - 10MHz DFT-s-OFDM-QPSK – Full RB - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 200 of 281

NR Band n41 – Ant B – Switching



Plot 7-297. Lower Band Edge Plot (NR Band n41 - 10MHz DFT-s-OFDM-BPSK – Full RB - Ant B)



Plot 7-298. Upper Band Edge Plot (NR Band n41 - 10MHz DFT-s-OFDM-BPSK – Full RB - Ant B)

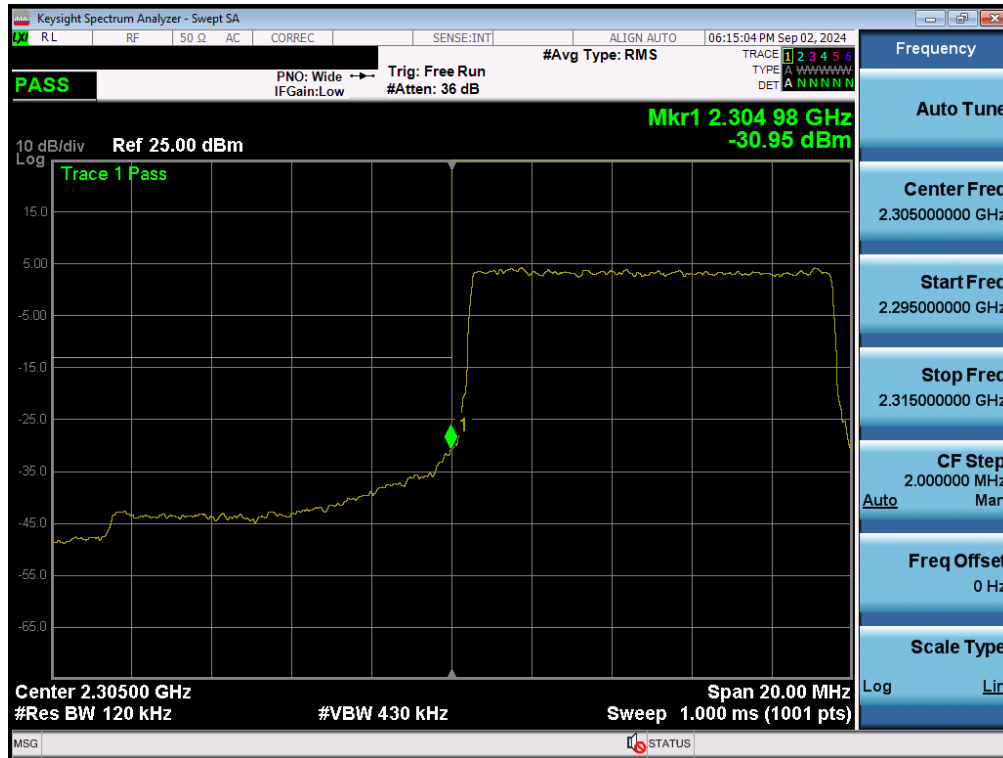
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 201 of 281

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-30.95	-13	-17.95
		Low	Extended	-41.95	-37	-4.95
		High	Band Edge	-30.34	-13	-17.34
		High	Extended	-40.67	-37	-3.67
	5MHz	Low	Band Edge	-26.74	-13	-13.74
		Low	Extended	-29.22	-13	-16.22
		High	Band Edge	-27.26	-13	-14.26
		High	Extended	-42.66	-37	-5.66
LTE-B7	20MHz	Low	Band Edge	-31.22	-25	-6.22
		High	Band Edge	-25.67	-10	-15.67
	15MHz	Low	Band Edge	-33.83	-25	-8.83
		High	Band Edge	-23.44	-10	-13.44
	10MHz	Low	Band Edge	-40.93	-25	-15.93
		High	Band Edge	-22.51	-10	-12.51
	5MHz	Low	Band Edge	-24.14	-10	-14.14
		High	Band Edge	-22.07	-10	-12.07
LTE-B7 ULCA	20+20MHz	Low	Band Edge	-29.33	-25	-4.33
		High	Band Edge	-29.39	-13	-16.39
LTE-B41PC3	20MHz	Low	Band Edge	-29.87	-25	-4.87
		High	Band Edge	-24.26	-10	-14.26
	15MHz	Low	Band Edge	-28.29	-25	-3.29
		High	Band Edge	-20.52	-10	-10.52
	10MHz	Low	Band Edge	-28.60	-25	-3.60
		High	Band Edge	-22.10	-10	-12.10
	5MHz	Low	Band Edge	-21.30	-13	-8.30
		High	Band Edge	-19.92	-10	-9.92

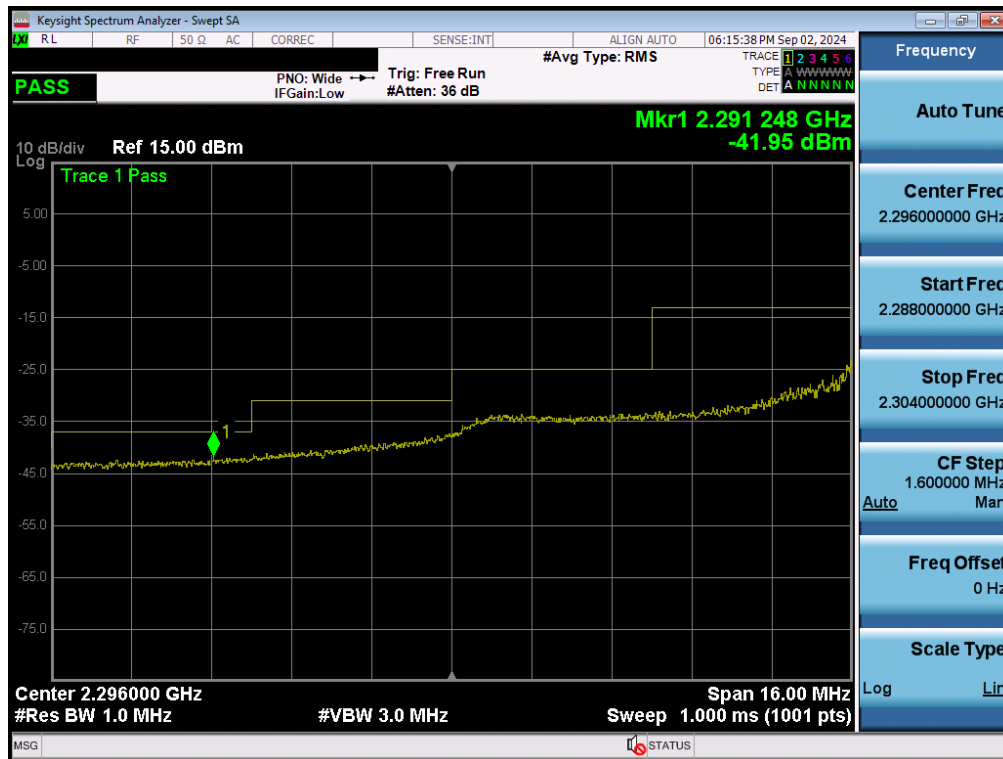
Table 7-36. Conducted Band Edge Test Results – LTE – Ant F

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30 – Ant F



Plot 7-299. Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant F)

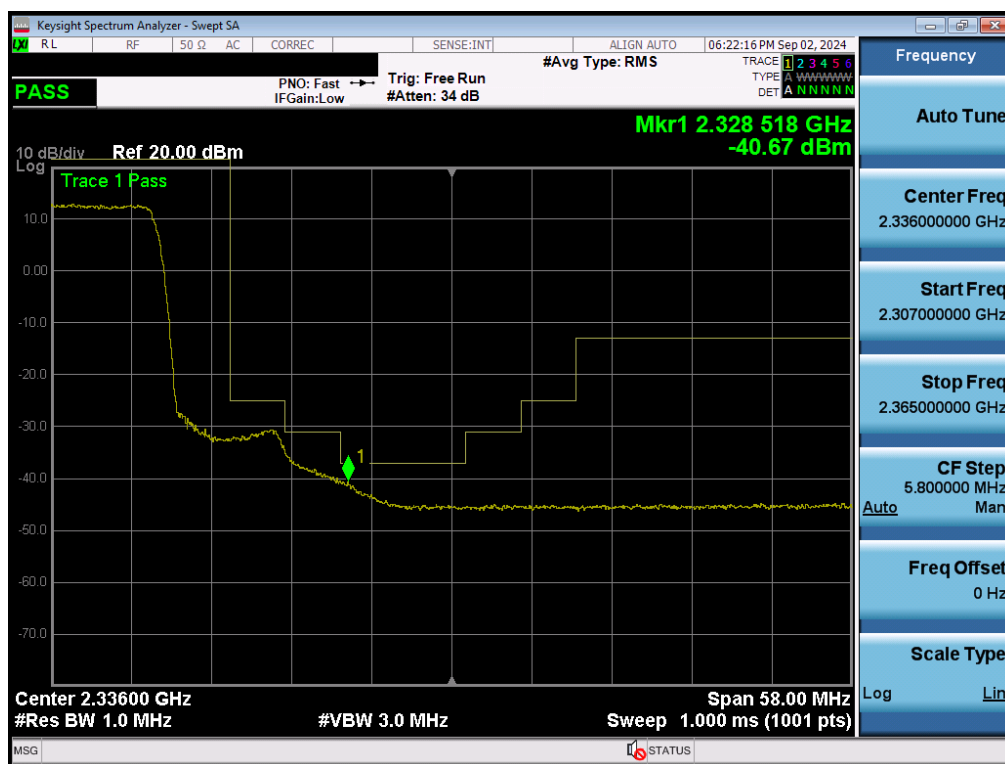


Plot 7-300. Extended Lower Band Edge Plot (LTE Band 30 - 10MHz QPSK – Full RB - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 203 of 281



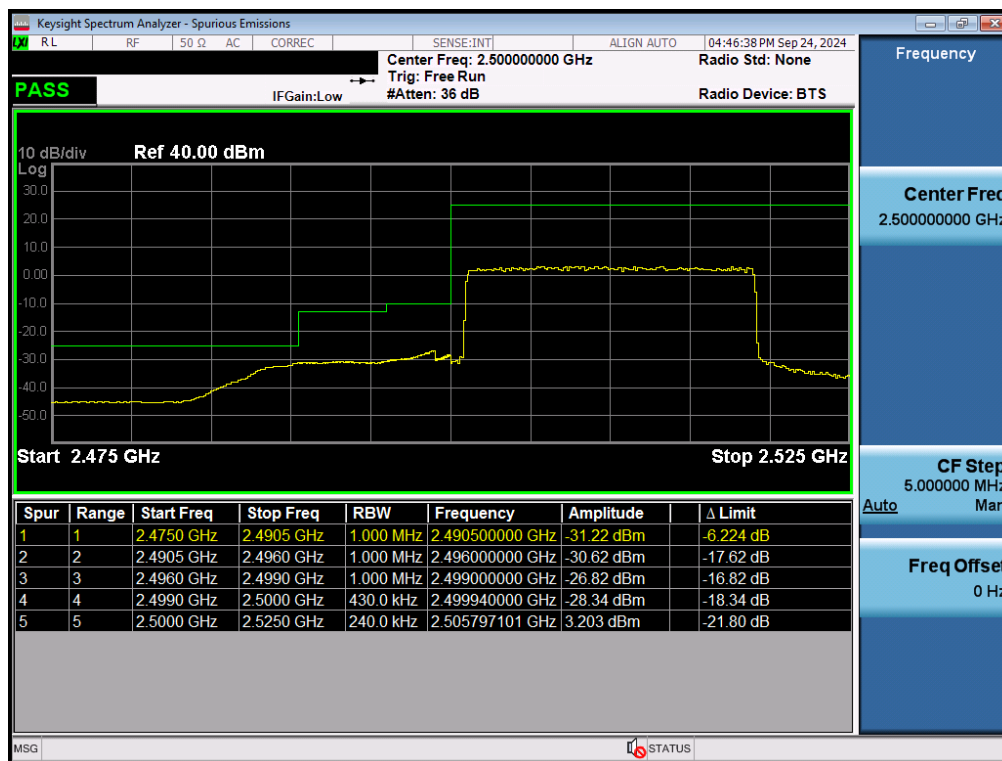
Plot 7-301. Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK - Full RB - Ant F)



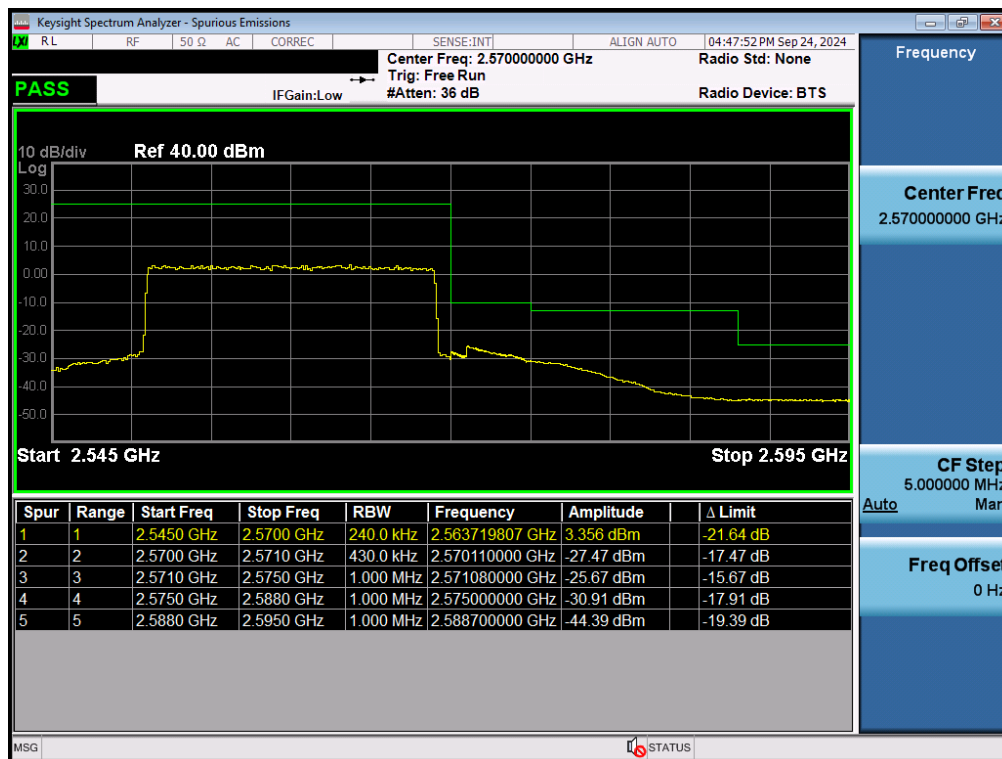
Plot 7-302. Extended Upper Band Edge Plot (LTE Band 30 - 10MHz QPSK - Full RB - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 204 of 281

LTE Band 7 – Ant F



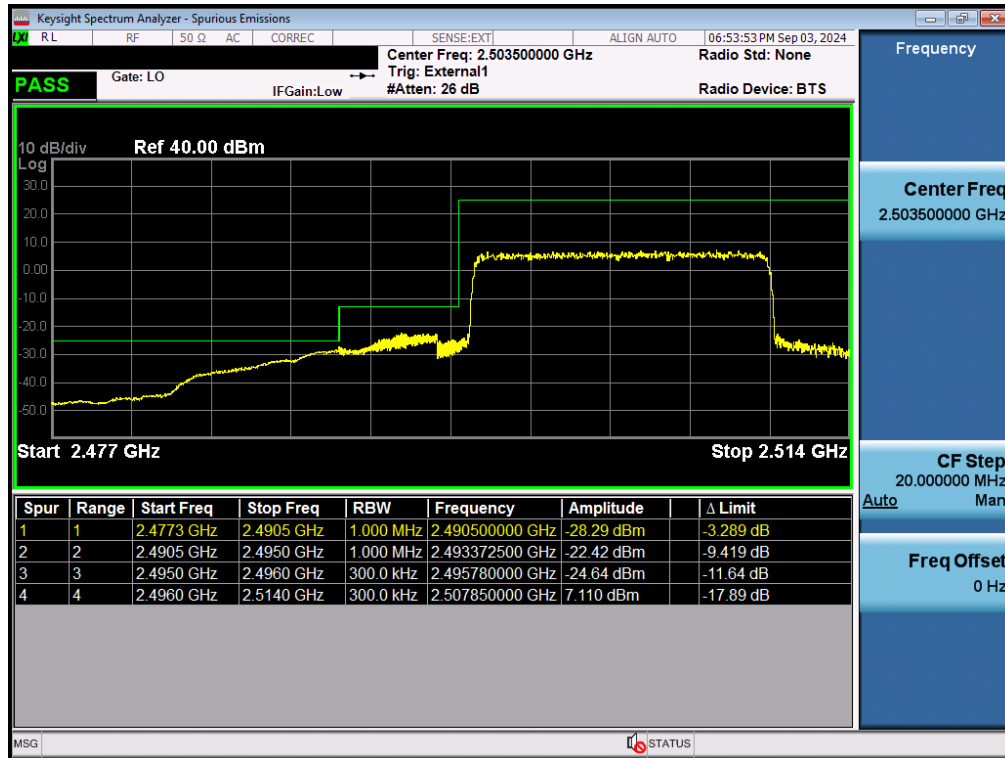
Plot 7-303. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant F)



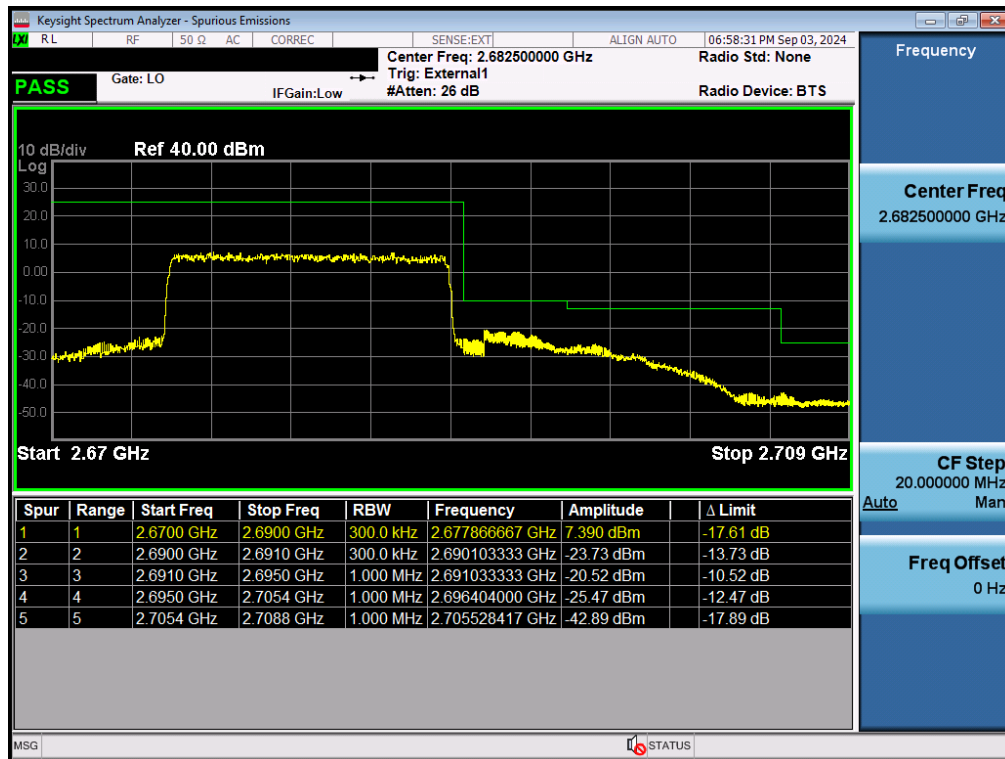
Plot 7-304. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41(PC3)/38 – Ant F



Plot 7-305. Lower ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant F)



Plot 7-306. Upper ACP Plot (LTE Band 41(PC3)/38 - 15MHz QPSK – Full RB - Ant F)

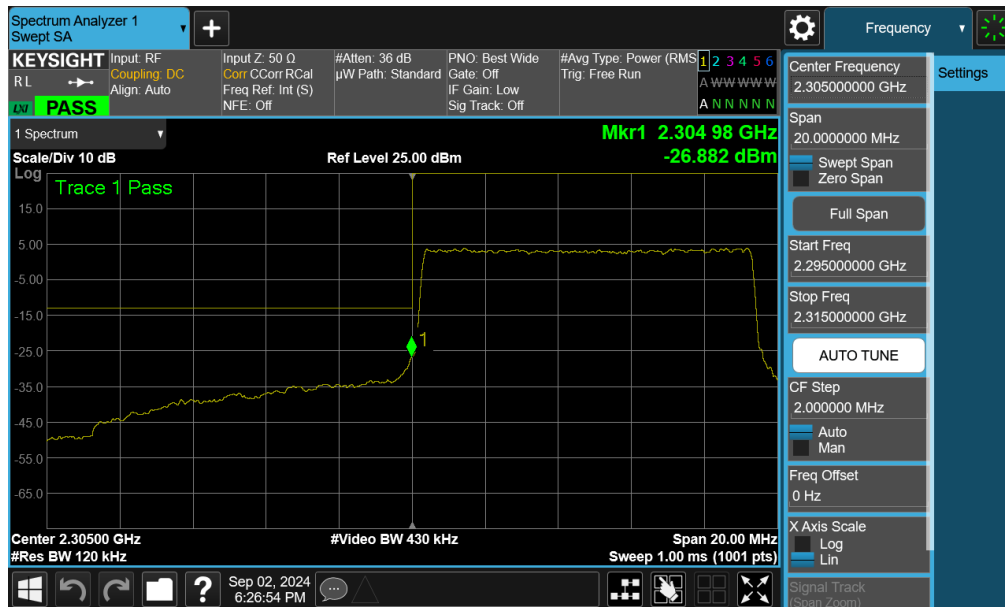
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 206 of 281

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Low	Band Edge	-26.88	-13	-13.88
		Low	Extended	-25.73	-13	-12.73
		High	Band Edge	-26.20	-13	-13.20
		High	Extended	-27.69	-25	-2.69
	5MHz	Low	Band Edge	-25.88	-13	-12.88
		Low	Extended	-23.29	-13	-10.29
		High	Band Edge	-25.65	-13	-12.65
		High	Extended	-33.84	-25	-8.84
NR-n7	50MHz	Low	Band Edge	-15.40	-10	-5.40
		High	Band Edge	-15.88	-10	-5.88
	40MHz	Low	Band Edge	-32.06	-25	-7.06
		High	Band Edge	-18.69	-10	-8.69
	30MHz	Low	Band Edge	-33.27	-25	-8.27
		High	Band Edge	-29.34	-10	-19.34
	25MHz	Low	Band Edge	-30.25	-25	-5.25
		High	Band Edge	-28.44	-10	-18.44
	20MHz	Low	Band Edge	-33.48	-25	-8.48
		High	Band Edge	-29.50	-10	-19.50
	15MHz	Low	Band Edge	-38.15	-25	-13.15
		High	Band Edge	-26.14	-10	-16.14
	10MHz	Low	Band Edge	-41.67	-25	-16.67
		High	Band Edge	-24.87	-10	-14.87
	5MHz	Low	Band Edge	-25.23	-10	-15.23
		High	Band Edge	-22.89	-10	-12.89

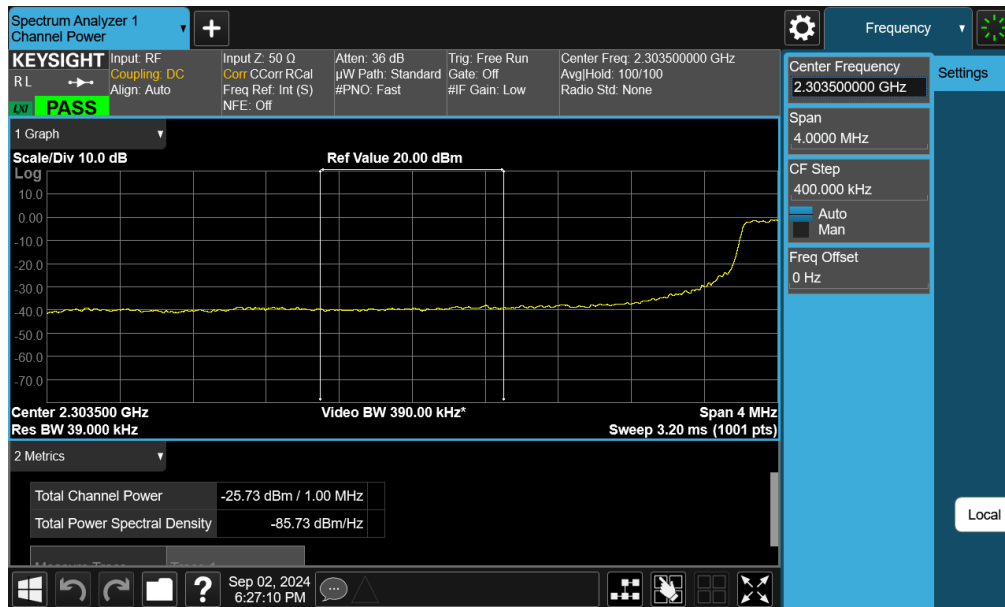
Table 7-37. Conducted Band Edge Test Results – NR – Ant F

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30 – Ant F

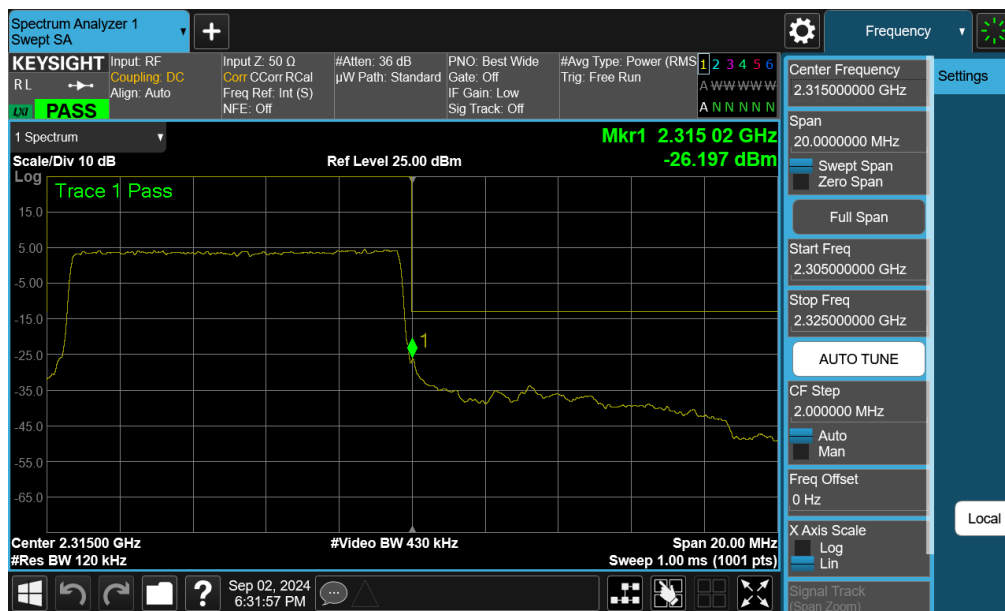


Plot 7-307. Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM-BPSK – Full RB - Ant A)



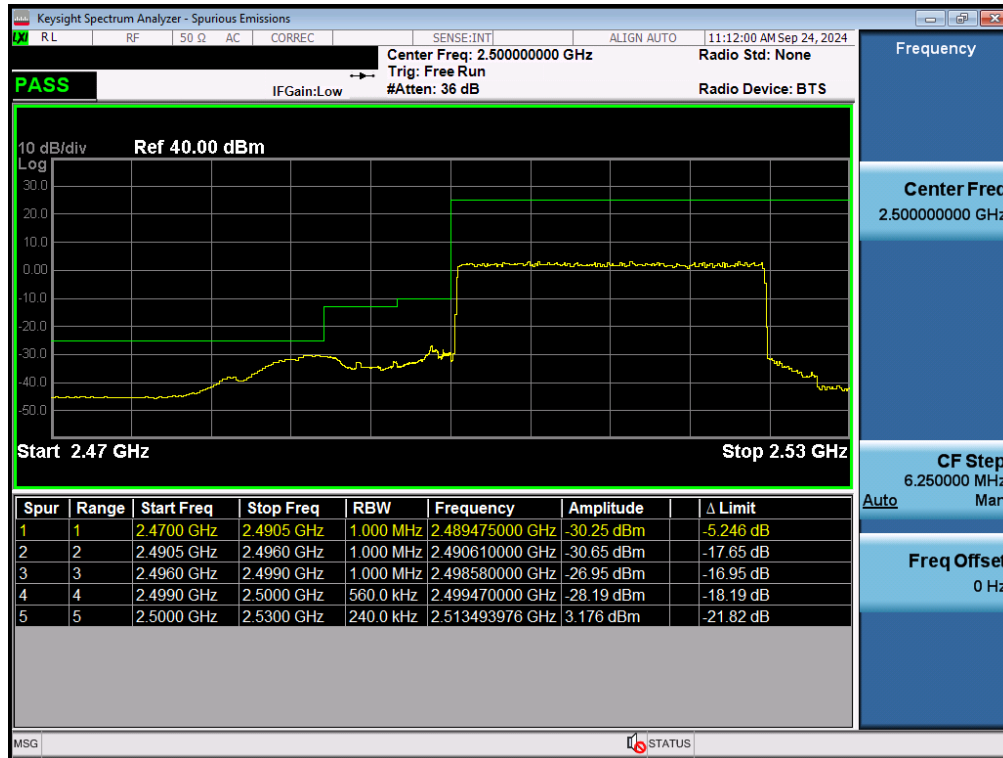
Plot 7-308. Extended Lower Band Edge Plot (NR Band n30 - 10MHz DFT-s-OFDM-BPSK – Full RB - Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 208 of 281

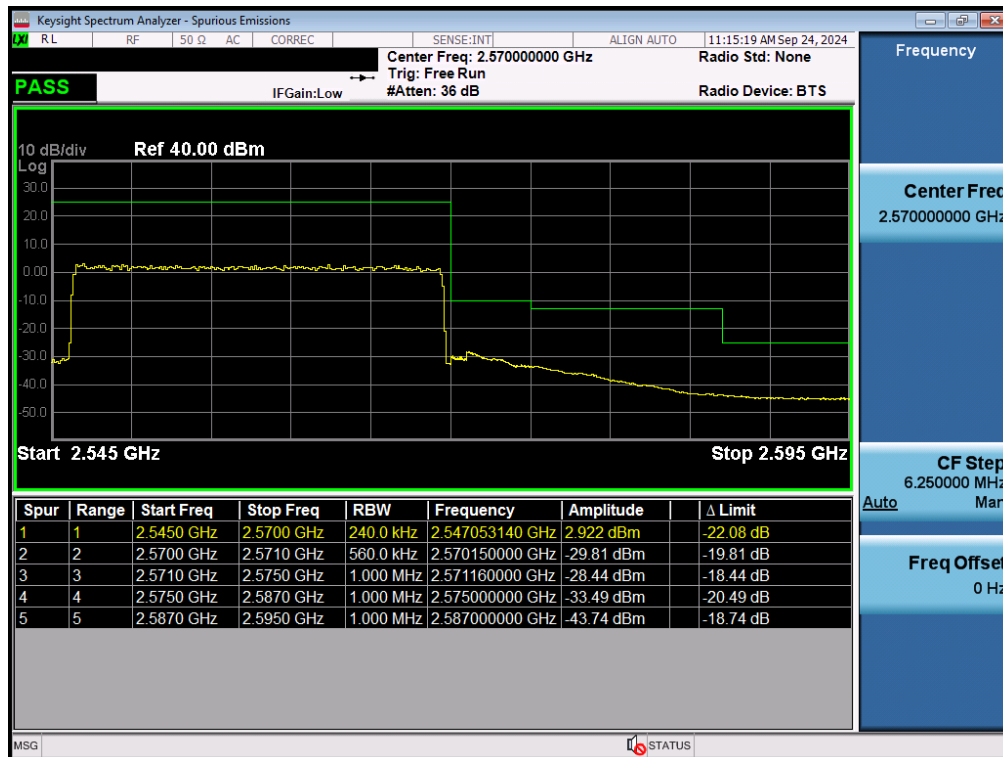


FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 209 of 281

NR Band n7 – Ant F



Plot 7-311. Lower Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM-BPSK – Full RB - Ant F)



Plot 7-312. Upper Band Edge Plot (NR Band n7 - 25MHz DFT-s-OFDM-BPSK – Full RB - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 210 of 281

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-30.91	-25	-5.91
		High	Band Edge	-26.81	-10	-16.81

Table 7-38. Conducted Band Edge Test Results – NR Band n41 – Ant B

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-37.44	-25	-12.44
		High	Band Edge	-31.67	-10	-21.67

Table 7-39. Conducted Band Edge Test Results – NR Band n41 – Ant F - Switching

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-32.37	-25	-7.37
		High	Band Edge	-27.16	-10	-17.16

Table 7-40. Conducted Band Edge Test Results – NR Band n41 – Ant E

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-33.58	-25	-8.58
		High	Band Edge	-28.71	-10	-18.71

Table 7-41. Conducted Band Edge Test Results – NR Band n41 – Ant D – Switching

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-31.29	-25	-6.29
		High	Band Edge	-28.81	-10	-18.81

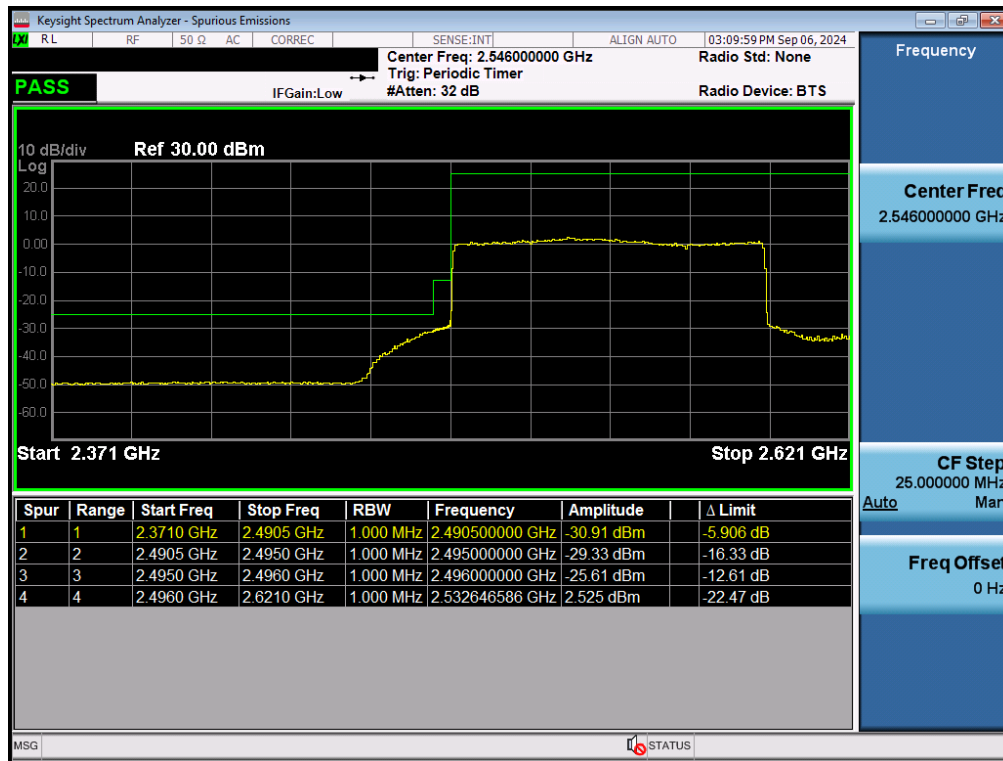
Table 7-42. Conducted Band Edge Test Results – NR Band n41 – Ant D

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-39.14	-25	-14.14
		High	Band Edge	-33.63	-10	-23.63

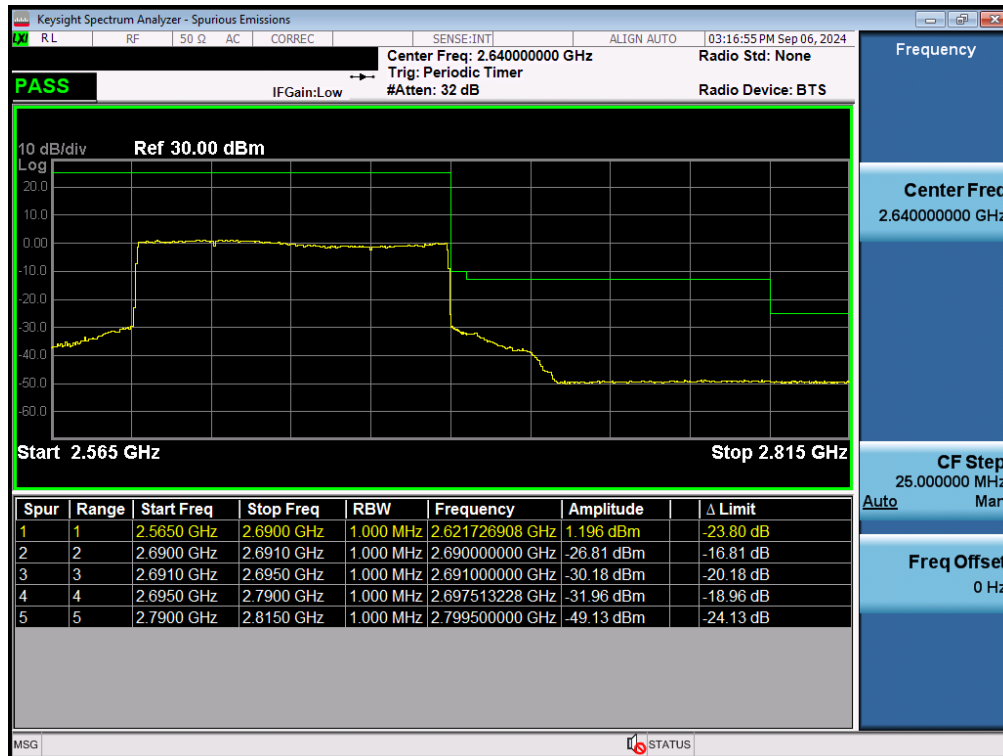
Table 7-43. Conducted Band Edge Test Results – NR Band n41 – Ant E - Switching

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant B – Default



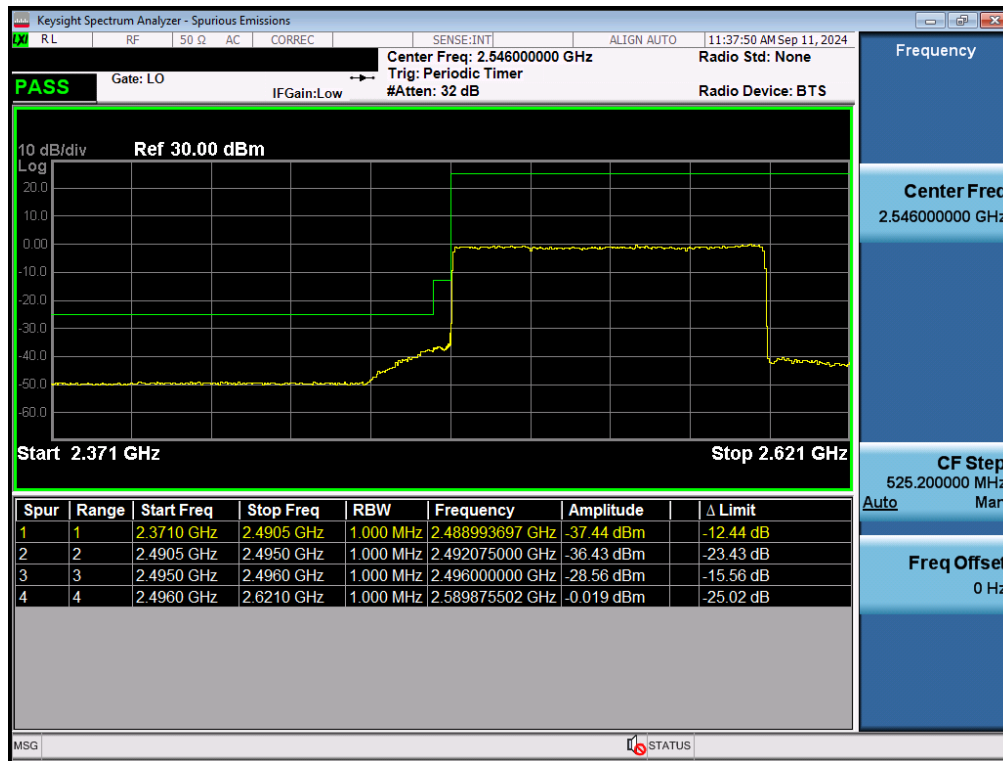
Plot 7-313. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant B)



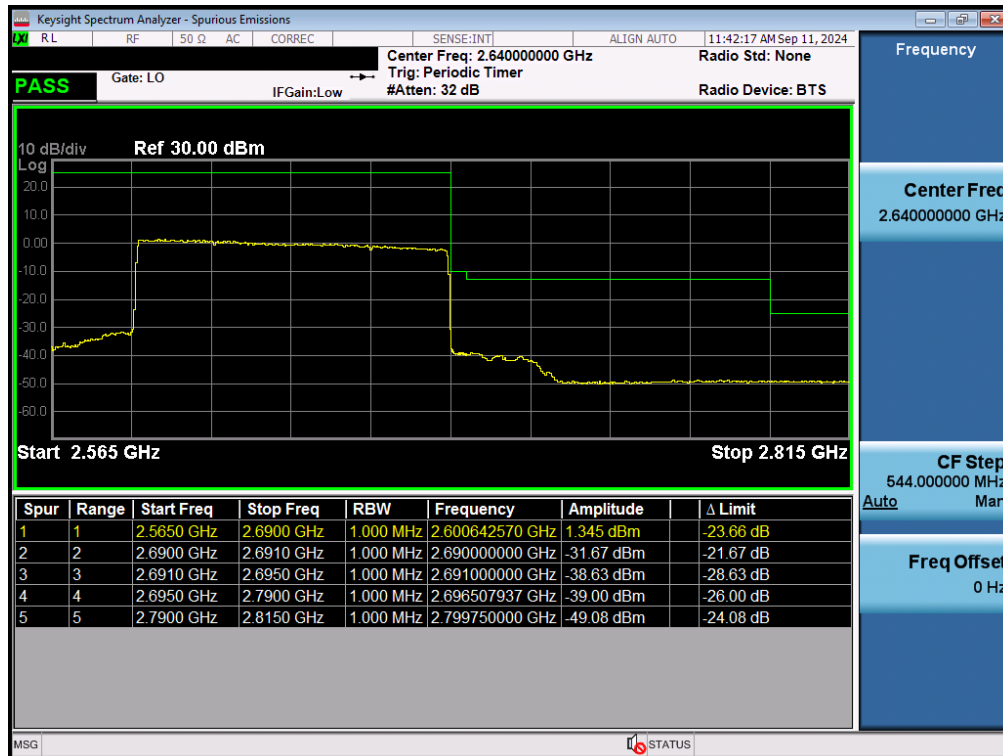
Plot 7-314. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant F – Switching



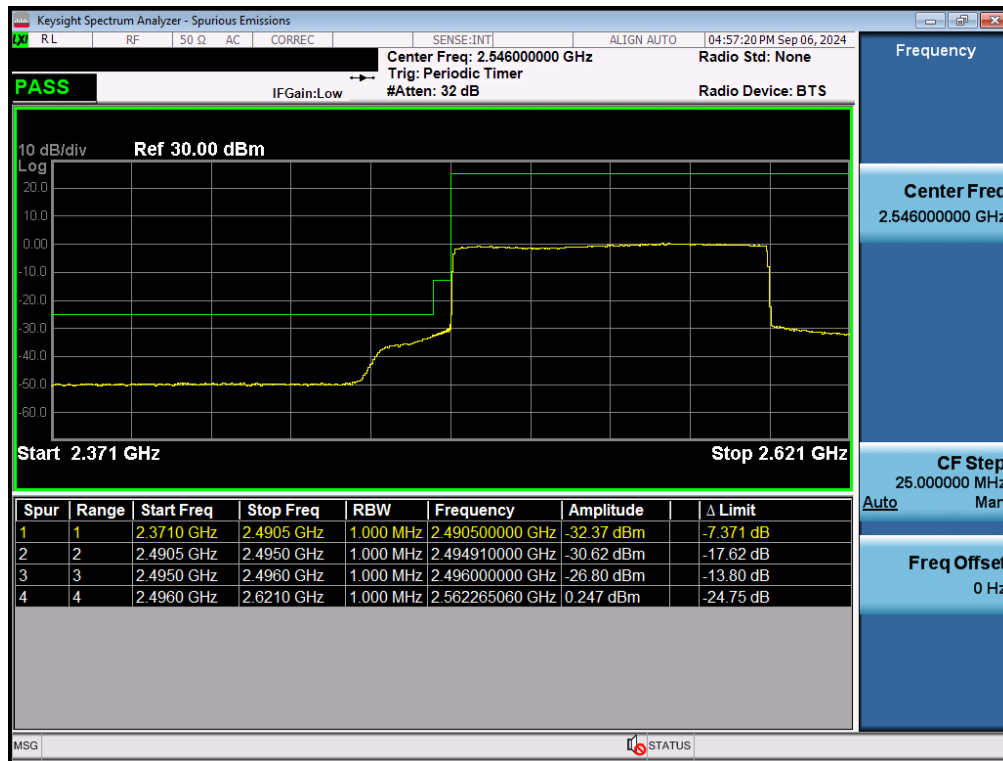
Plot 7-315. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant F)



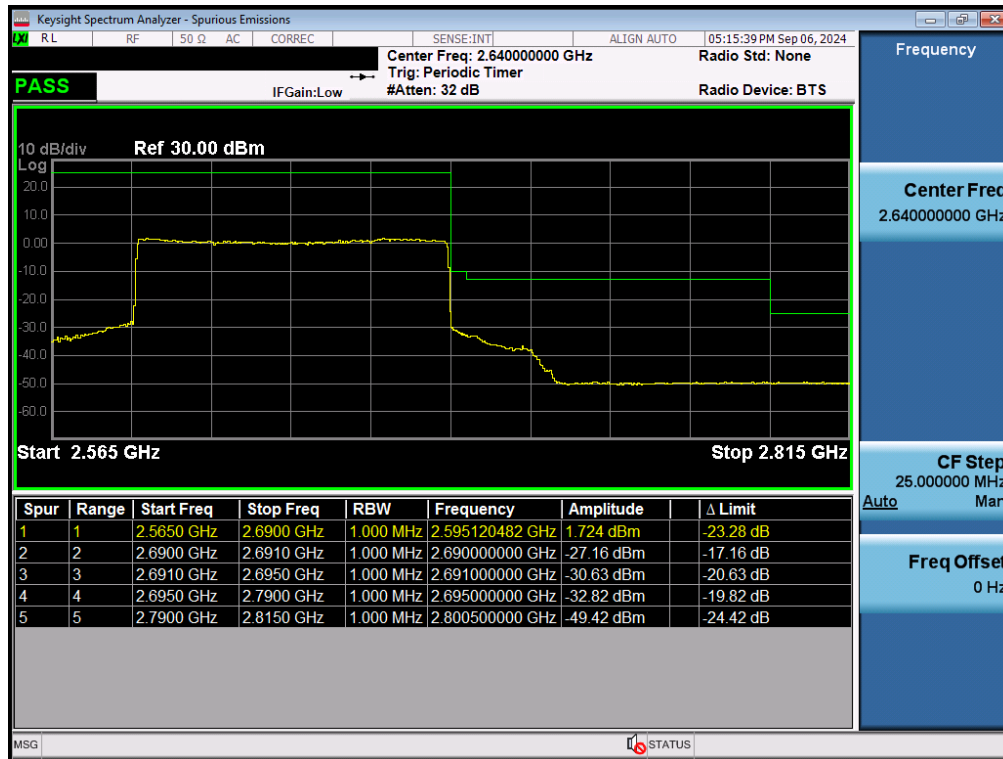
Plot 7-316. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant E – Default



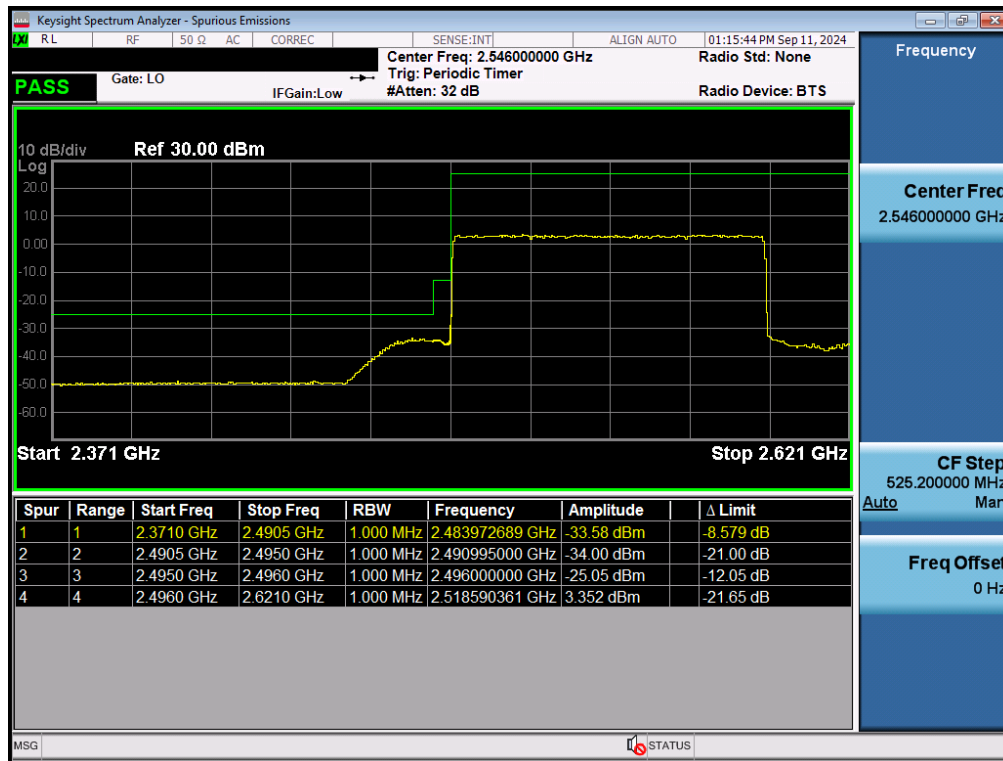
Plot 7-317. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant E)



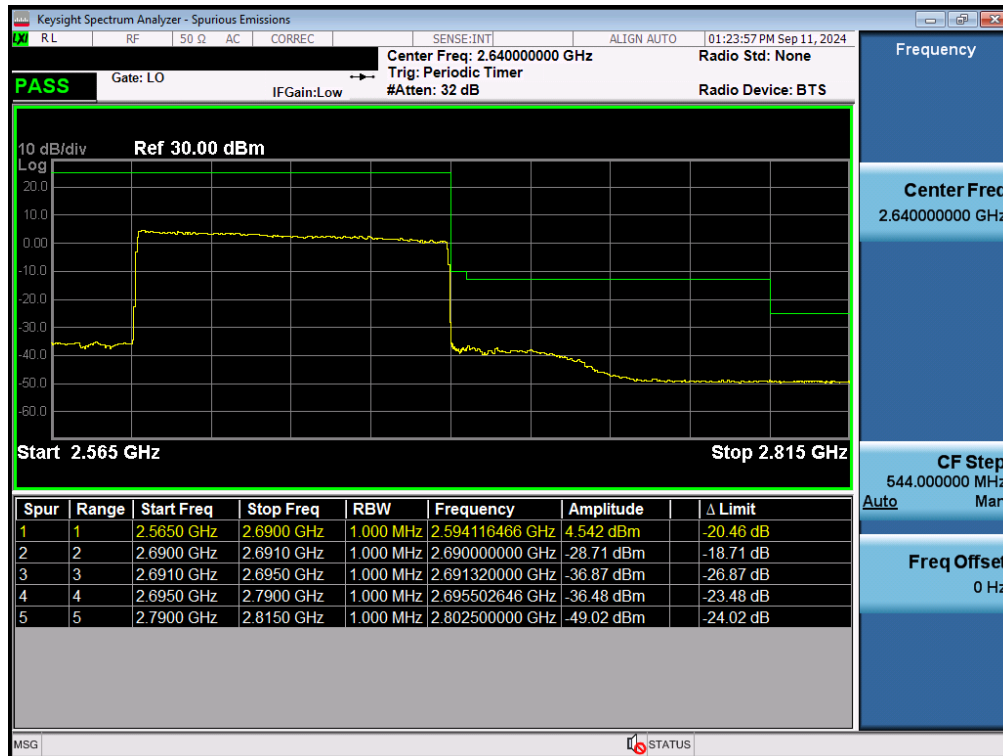
Plot 7-318. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant D – Switching



Plot 7-319. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant D)



Plot 7-320. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant D)

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