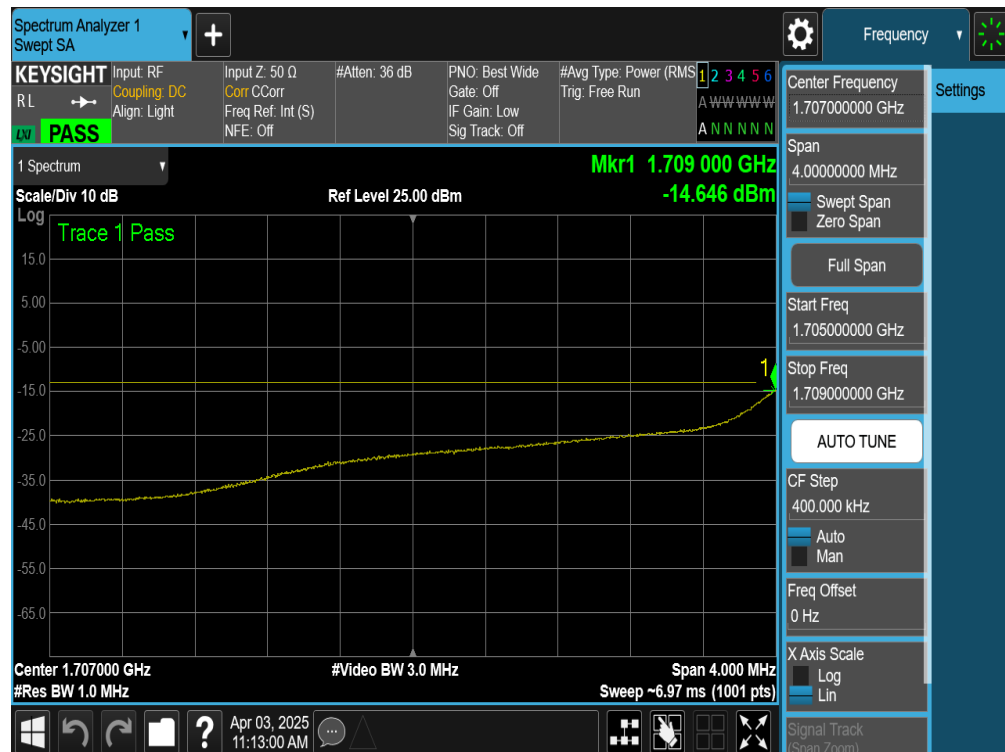


WCDMA AWS – ANT1



Plot 7-179. Lower Band Edge Plot (WCDMA AWS – Ch. 1312 – ANT1)



Plot 7-180. Lower Extended Band Edge Plot (WCDMA AWS – Ch. 1312 – ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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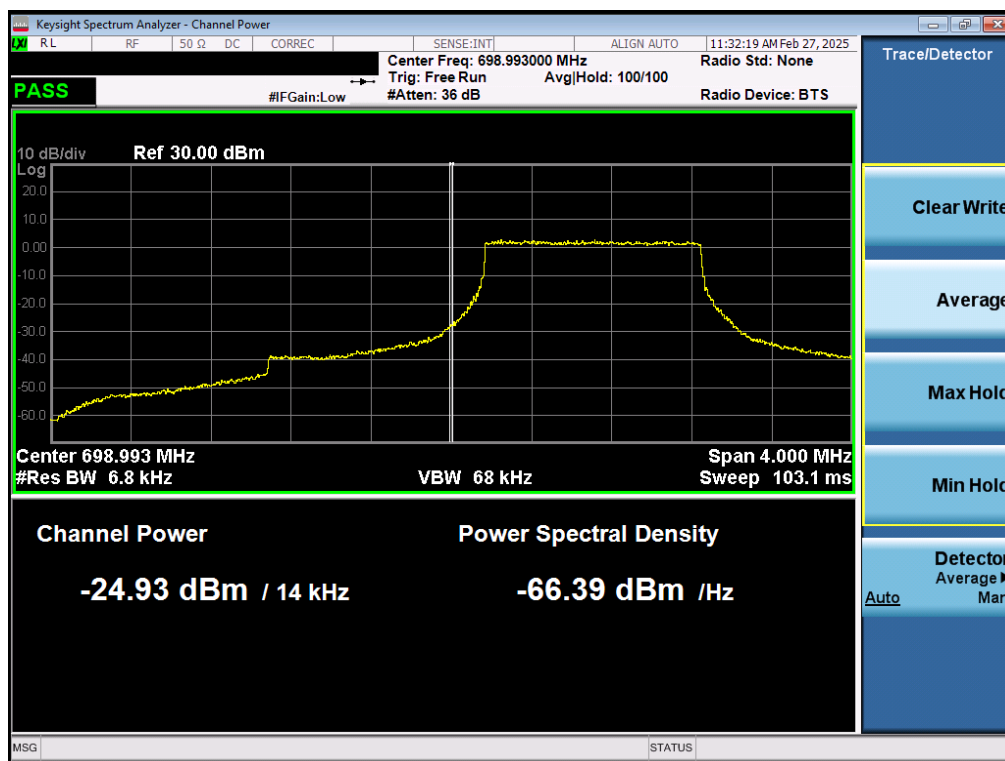
Plot 7-181. Upper Band Edge Plot (WCDMA AWS – Ch. 1513 – ANT1)



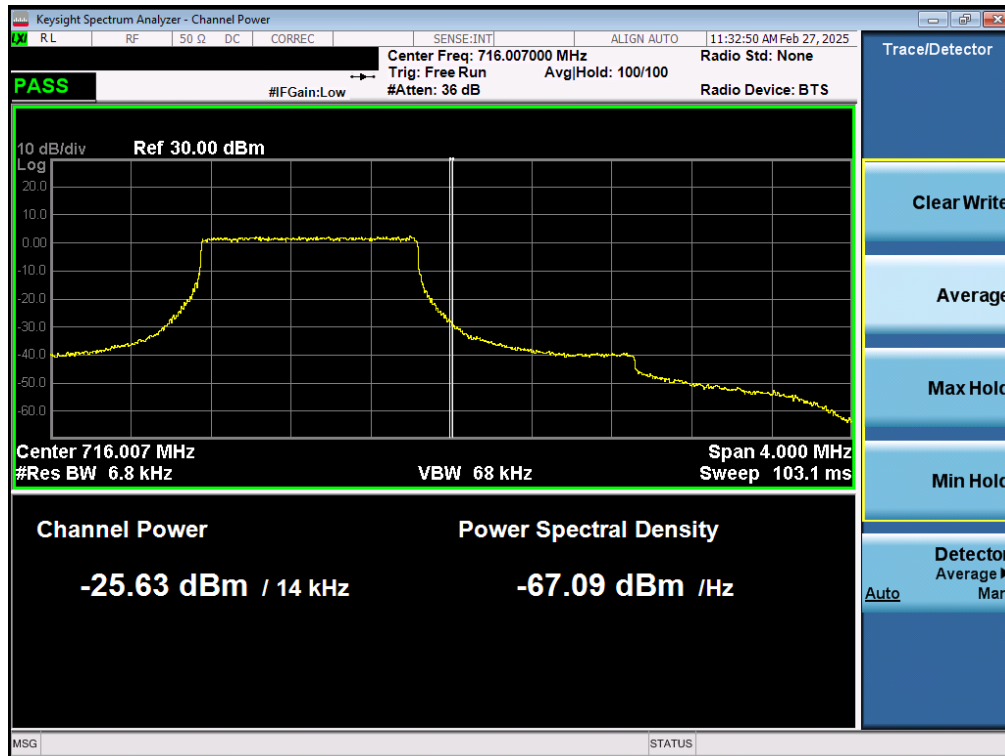
Plot 7-182. Upper Extended Band Edge Plot (WCDMA AWS – Ch. 1513– ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – ANT1



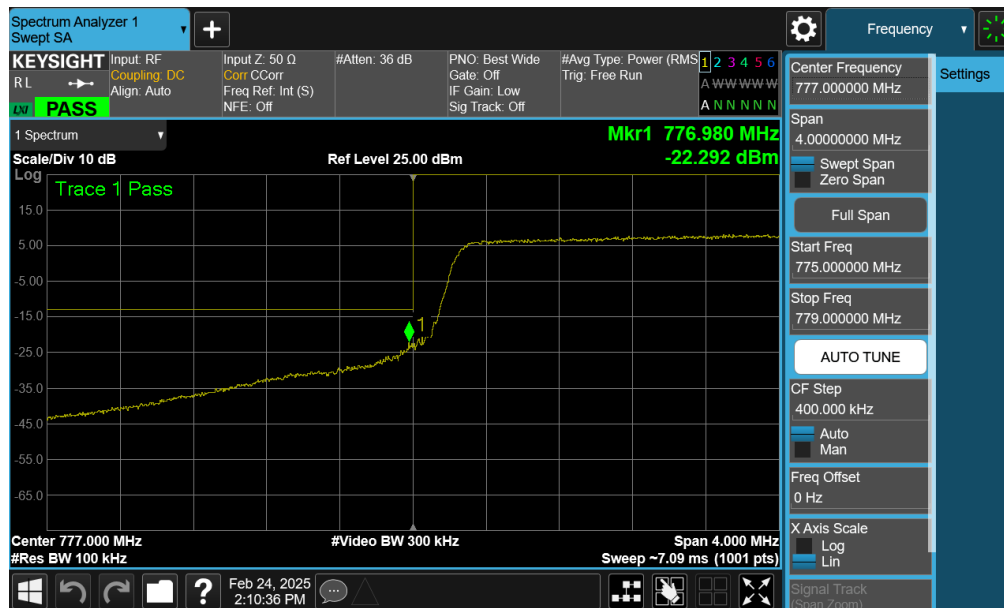
Plot 7-183. Lower Band Edge Plot (LTE Band 12/17 – 1.4MHz QPSK – Full RB - ANT1)



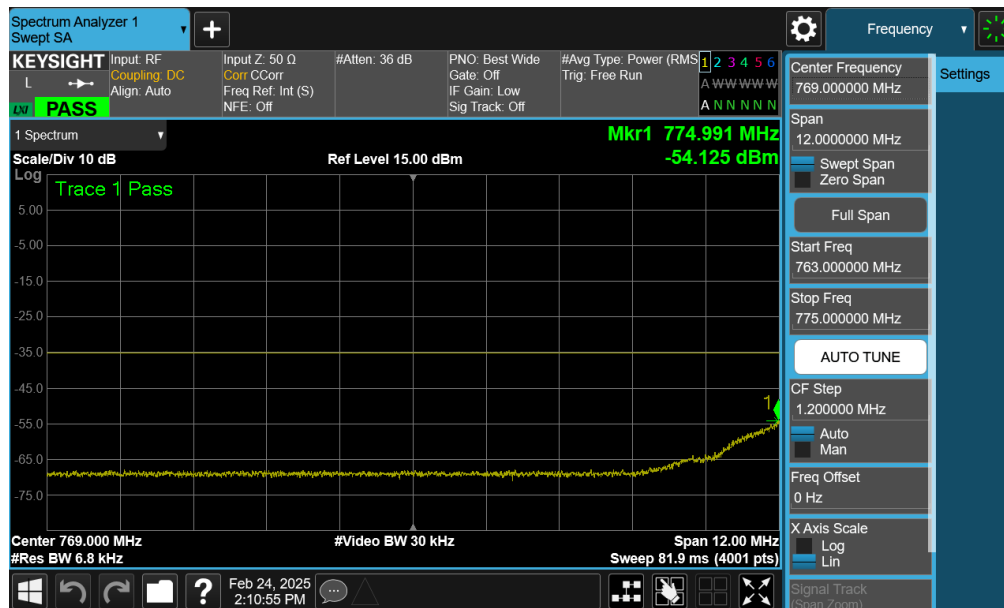
Plot 7-184. Upper Band Edge Plot (LTE Band 12/17 – 1.4MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – ANT1

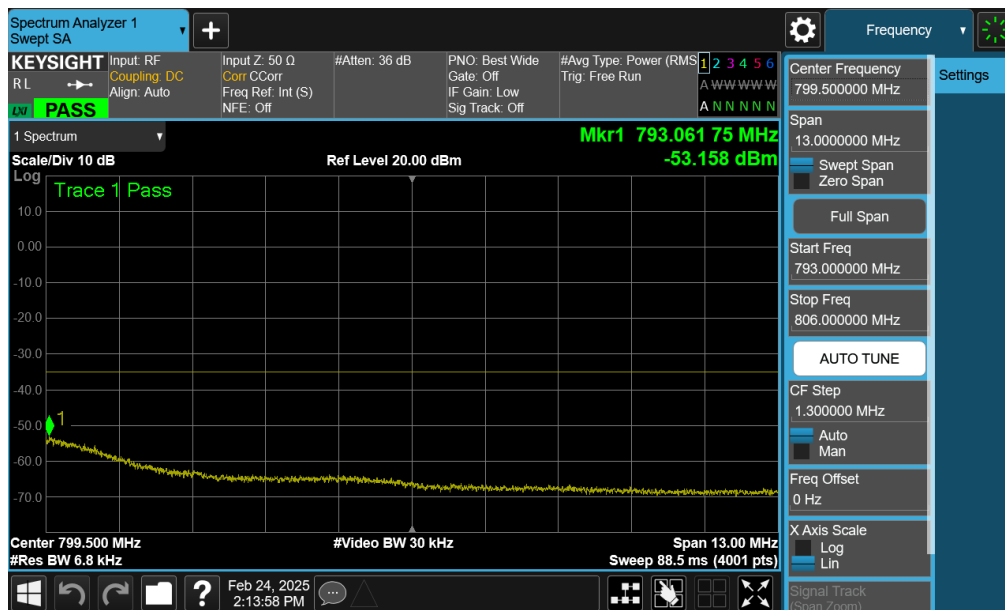
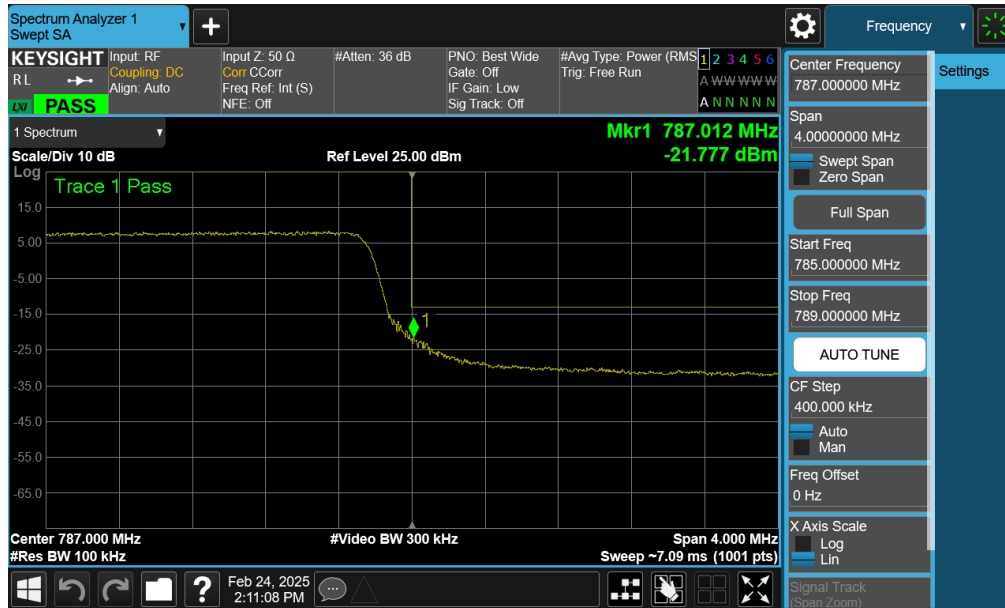


Plot 7-185. Lower Band Edge Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT1)



Plot 7-186. Lower Emission Mask Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 137 of 235

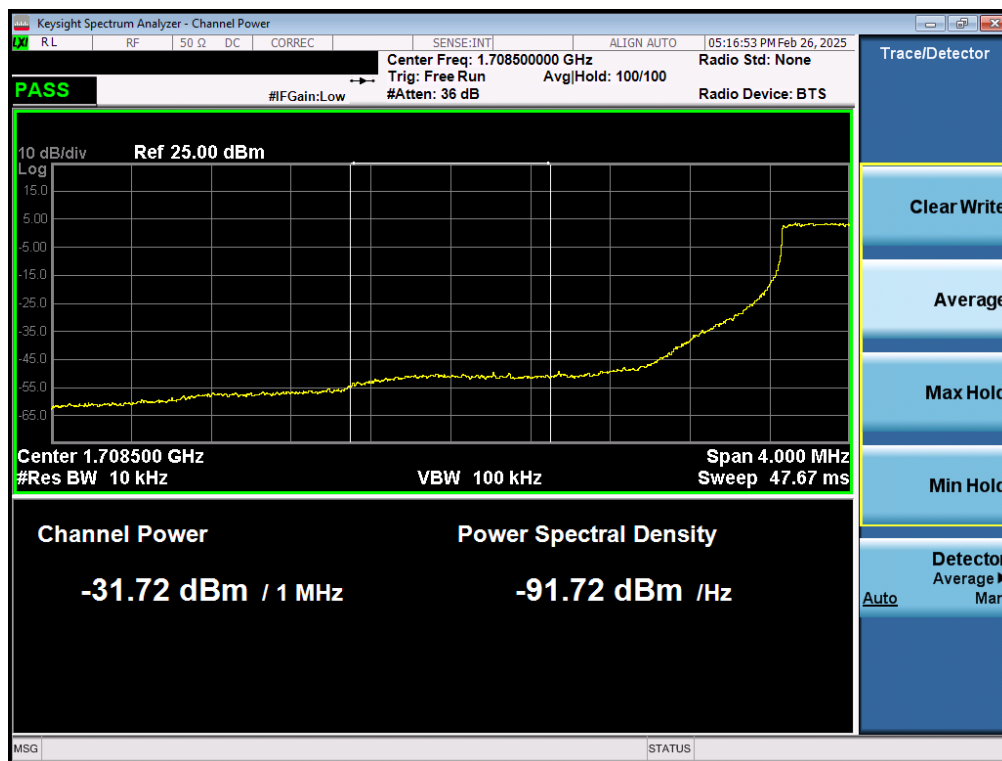


FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT1



Plot 7-189. Lower Band Edge Plot (LTE Band 66/4 – 1.4MHz QPSK – Full RB - ANT1)

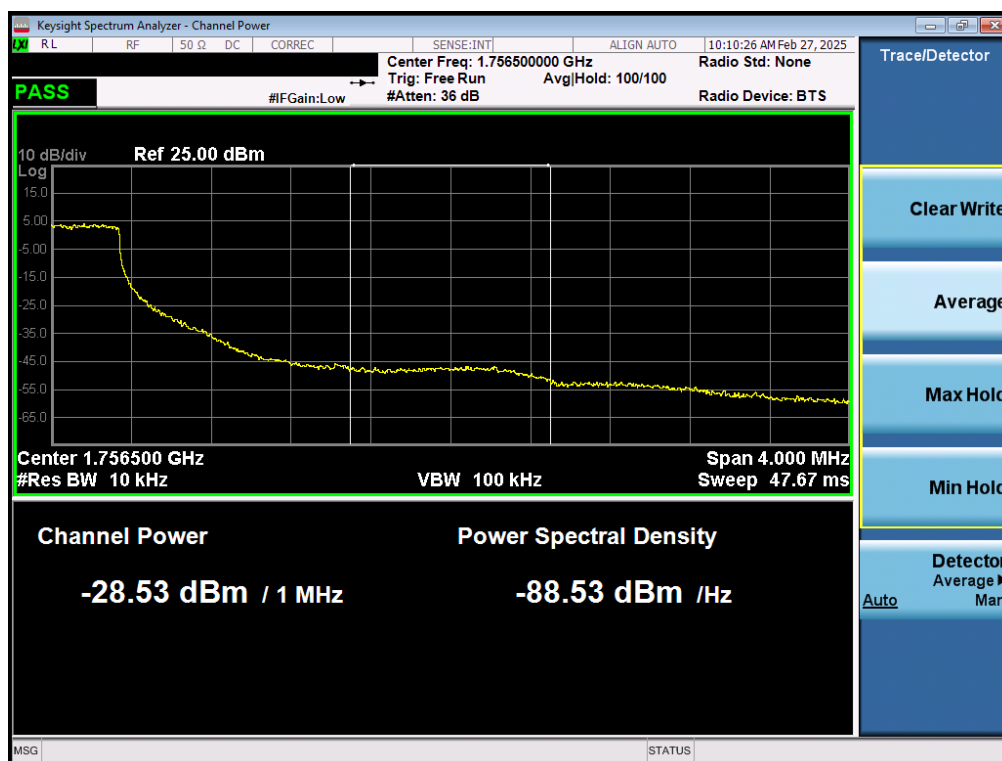


Plot 7-190. Lower Extended Band Edge Plot (LTE Band 66/4 – 1.4MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-191. Upper Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB - ANT1)

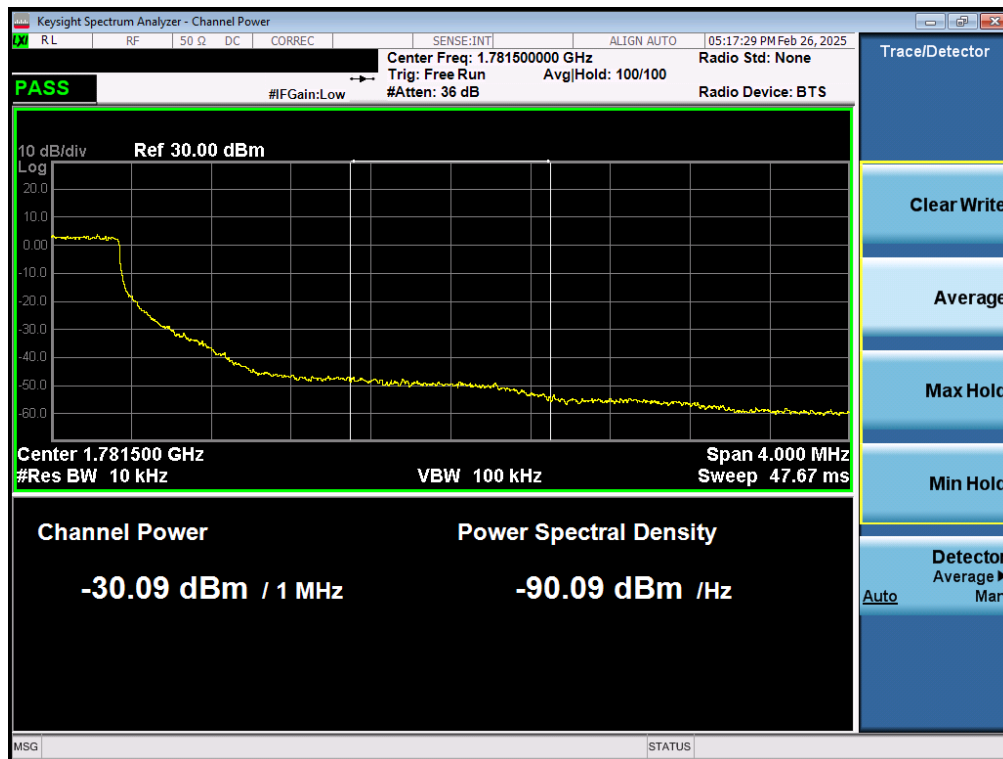


Plot 7-192. Upper Extended Band Edge Plot (LTE Band 4 – 1.4MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-193. Upper Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB - ANT1)



Plot 7-194. Upper Extended Band Edge Plot (LTE Band 66 – 1.4MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n71	35 MHz	Low	Band Edge	-28.67	-13	-15.67
		High	Band Edge	-27.84	-13	-14.84
	30 MHz	Low	Band Edge	-29.89	-13	-16.89
		High	Band Edge	-28.42	-13	-15.42
	25 MHz	Low	Band Edge	-28.23	-13	-15.23
		High	Band Edge	-28.60	-13	-15.60
	20 MHz	Low	Band Edge	-28.26	-13	-15.26
		High	Band Edge	-27.62	-13	-14.62
	15 MHz	Low	Band Edge	-26.37	-13	-13.37
		High	Band Edge	-28.78	-13	-15.78
	10 MHz	Low	Band Edge	-27.11	-13	-14.11
		High	Band Edge	-26.46	-13	-13.46
	5 MHz	Low	Band Edge	-21.03	-13	-8.03
		High	Band Edge	-19.59	-13	-6.59

Table 7-17. Conducted Band Edge Results – Ant1

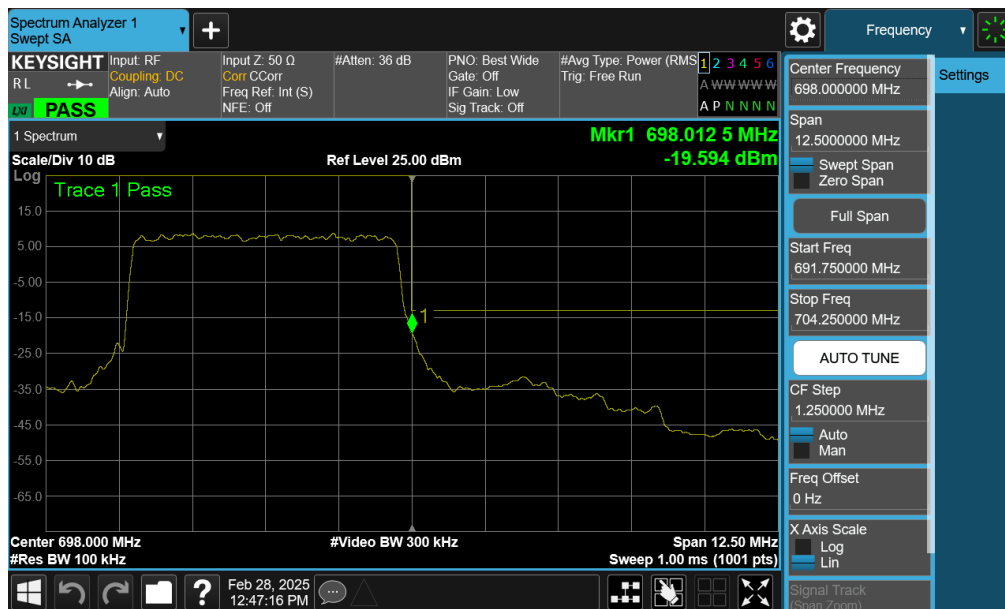
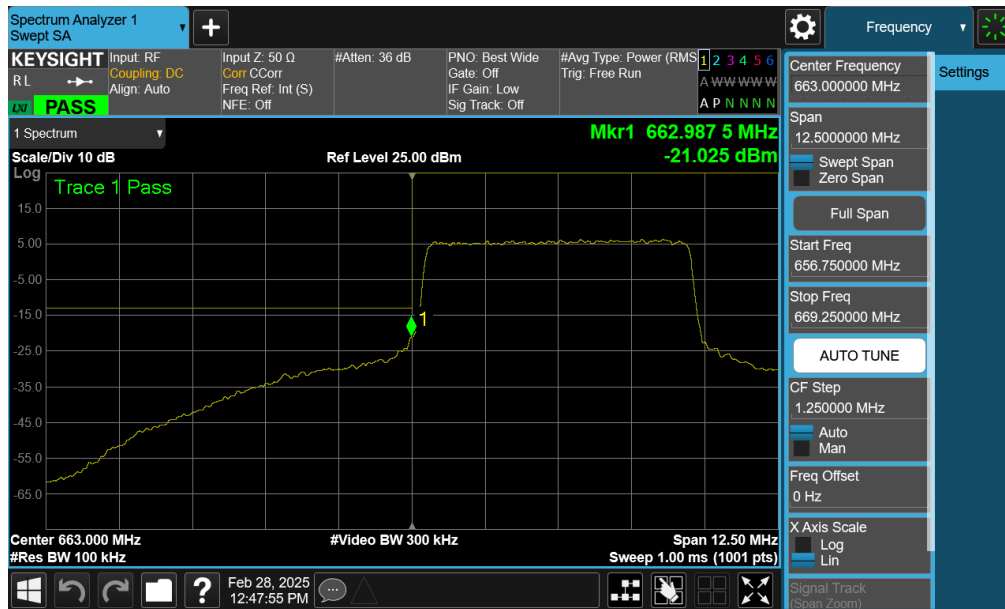
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n66	45 MHz	Low	Band Edge	-29.12	-13	-16.12
		Low	Extended	-28.30	-13	-15.30
		High	Band Edge	-26.77	-13	-13.77
		High	Extended	-25.94	-13	-12.94
	40 MHz	Low	Band Edge	-25.03	-13	-12.03
		Low	Extended	-23.87	-13	-10.87
		High	Band Edge	-23.20	-13	-10.20
		High	Extended	-28.20	-13	-15.20
	35 MHz	Low	Band Edge	-28.51	-13	-15.51
		Low	Extended	-26.14	-13	-13.14
		High	Band Edge	-24.79	-13	-11.79
		High	Extended	-22.04	-13	-9.04
	30 MHz	Low	Band Edge	-26.33	-13	-13.33
		Low	Extended	-26.69	-13	-13.69
		High	Band Edge	-26.22	-13	-13.22
		High	Extended	-26.46	-13	-13.46
	25 MHz	Low	Band Edge	-30.41	-13	-17.41
		Low	Extended	-30.41	-13	-17.41
		High	Band Edge	-25.37	-13	-12.37
		High	Extended	-25.37	-13	-12.37
	20 MHz	Low	Band Edge	-30.31	-13	-17.31
		Low	Extended	-25.00	-13	-12.00
		High	Band Edge	-28.73	-13	-15.73
		High	Extended	-25.28	-13	-12.28
	15 MHz	Low	Band Edge	-28.12	-13	-15.12
		Low	Extended	-22.20	-13	-9.20
		High	Band Edge	-25.61	-13	-12.61
		High	Extended	-22.84	-13	-9.84
	10 MHz	Low	Band Edge	-26.72	-13	-13.72
		Low	Extended	-17.91	-13	-4.91
		High	Band Edge	-26.70	-13	-13.70
		High	Extended	-18.80	-13	-5.80
	5 MHz	Low	Band Edge	-28.84	-13	-15.84
		Low	Extended	-28.75	-13	-15.75
		High	Band Edge	-23.95	-13	-10.95
		High	Extended	-27.36	-13	-14.36

Table 7-18. Conducted Band Edge Results – Ant1

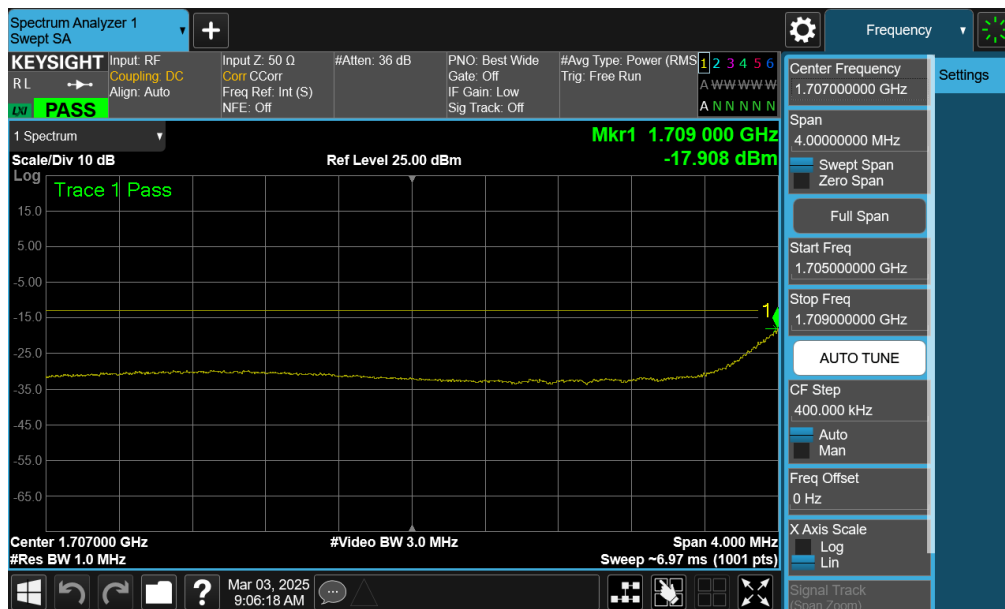
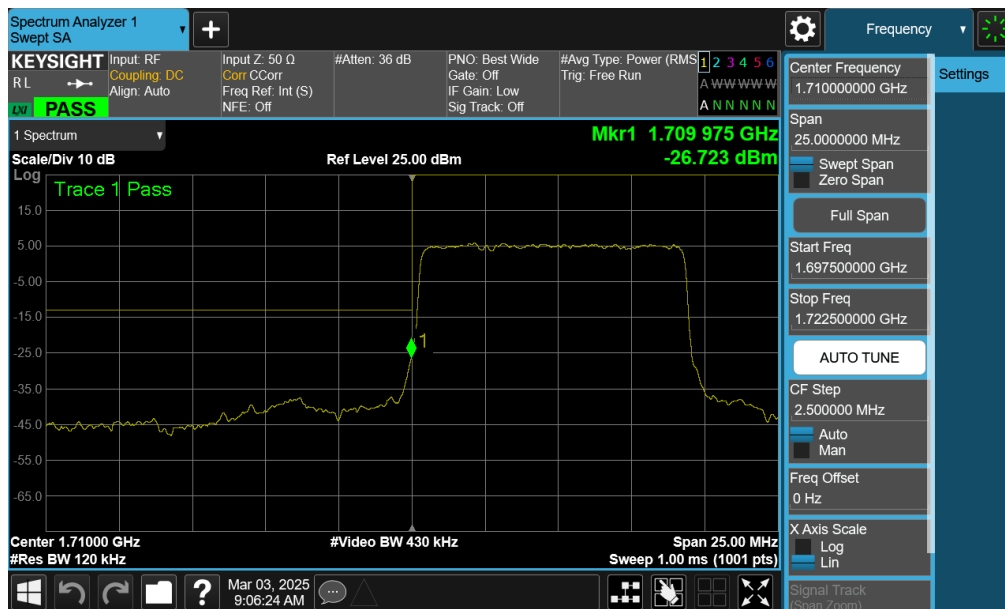
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71 – ANT1

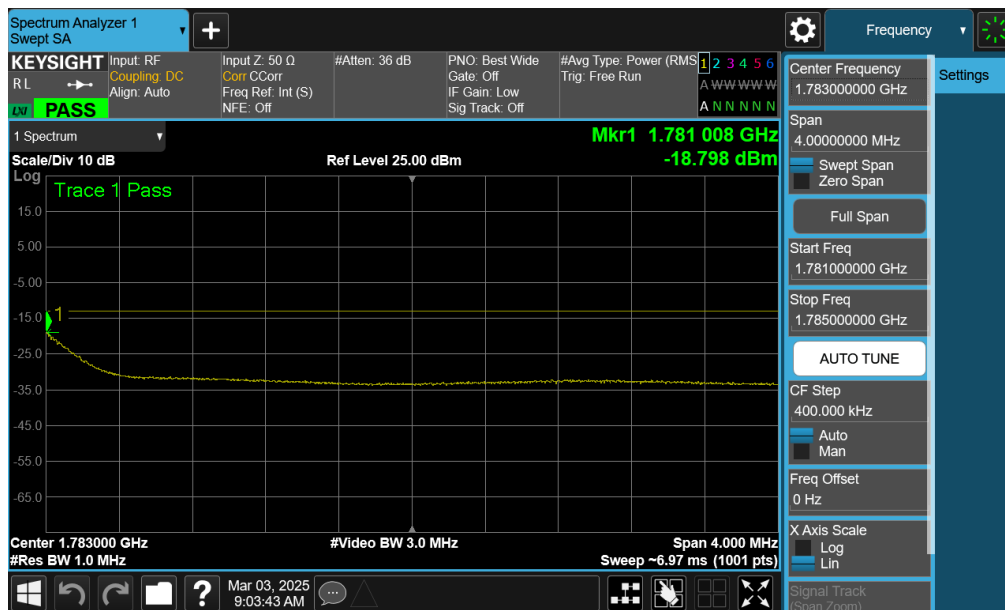
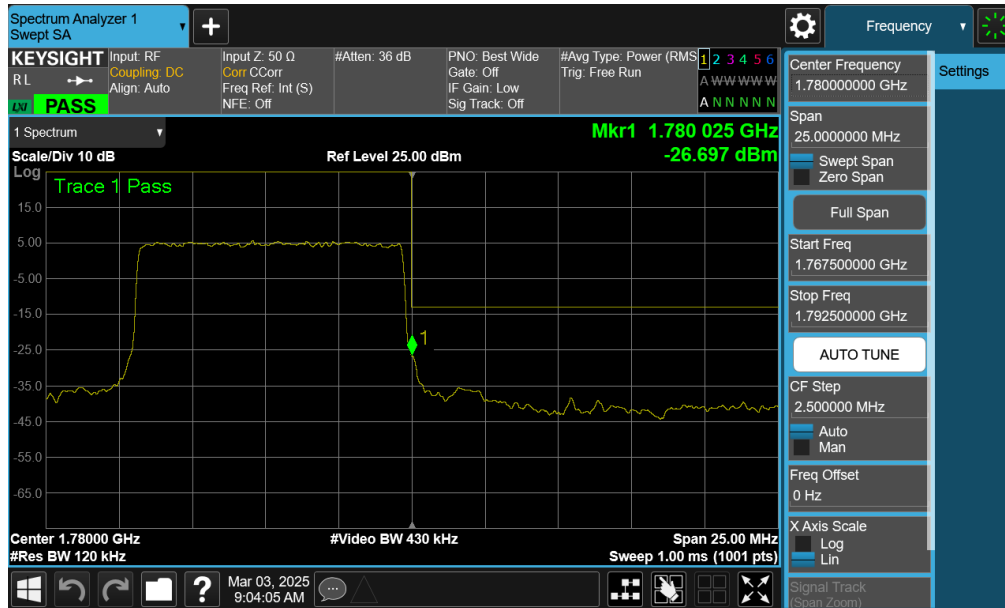


FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – ANT1



FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 12/17	10 MHz	Low	Band Edge	-28.10	-13	-15.10
		High	Band Edge	-29.26	-13	-16.26
	5 MHz	Low	Band Edge	-21.92	-13	-8.92
		High	Band Edge	-22.57	-13	-9.57
	3 MHz	Low	Band Edge	-16.90	-13	-3.90
		High	Band Edge	-18.54	-13	-5.54
	1.4 MHz	Low	Band Edge	-24.57	-13	-11.57
		High	Band Edge	-26.42	-13	-13.42
LTE Band 13	10 MHz	Low	Band Edge	-27.53	-13	-14.53
		Low	Emission Mask	-42.25	-13	-29.25
		High	Band Edge	-24.39	-13	-11.39
		High	Emission Mask	-42.30	-13	-29.30
	5 MHz	Low	Band Edge	-22.57	-13	-9.57
		Low	Emission Mask	-52.27	-13	-39.27
		High	Band Edge	-18.82	-13	-5.82
		High	Emission Mask	-50.74	-13	-37.74

Table 7-19. Conducted Band Edge Results – Ant2

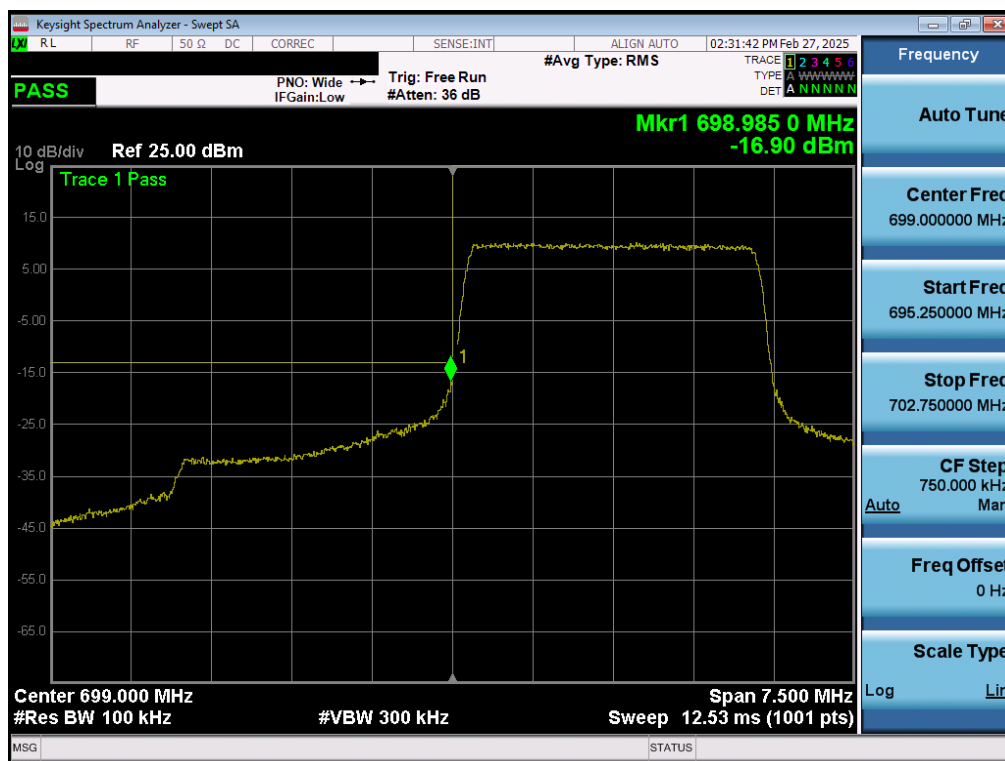
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 66/4	20MHz	Low	Band Edge	-22.50	-13	-9.50
		Low	Extended	-20.38	-13	-7.38
		High (B4)	Band Edge	-25.95	-13	-12.95
		High (B4)	Extended	-24.38	-13	-11.38
		High (B66)	Band Edge	-28.27	-13	-15.27
		High (B66)	Extended	-26.81	-13	-13.81
	15MHz	Low	Band Edge	-21.96	-13	-8.96
		Low	Extended	-19.31	-13	-6.31
		High (B4)	Band Edge	-24.78	-13	-11.78
		High (B4)	Extended	-24.58	-13	-11.58
		High (B66)	Band Edge	-26.78	-13	-13.78
		High (B66)	Extended	-26.07	-13	-13.07
	10MHz	Low	Band Edge	-20.68	-13	-7.68
		Low	Extended	-17.80	-13	-4.80
		High (B4)	Band Edge	-23.26	-13	-10.26
		High (B4)	Extended	-21.78	-13	-8.78
		High (B66)	Band Edge	-24.53	-13	-11.53
		High (B66)	Extended	-22.35	-13	-9.35
	5MHz	Low	Band Edge	-19.33	-13	-6.33
		Low	Extended	-19.07	-13	-6.07
		High (B4)	Band Edge	-20.48	-13	-7.48
		High (B4)	Extended	-25.30	-13	-12.30
		High (B66)	Band Edge	-22.84	-13	-9.84
		High (B66)	Extended	-24.59	-13	-11.59
	3MHz	Low	Band Edge	-17.64	-13	-4.64
		Low	Extended	-19.50	-13	-6.50
		High (B4)	Band Edge	-19.80	-13	-6.80
		High (B4)	Extended	-25.63	-13	-12.63
		High (B66)	Band Edge	-20.38	-13	-7.38
		High (B66)	Extended	-24.16	-13	-11.16
	1.4MHz	Low	Band Edge	-19.26	-13	-6.26
		Low	Extended	-24.92	-13	-11.92
		High (B4)	Band Edge	-22.44	-13	-9.44
		High (B4)	Extended	-28.72	-13	-15.72
		High (B66)	Band Edge	-20.66	-13	-7.66
		High (B66)	Extended	-28.79	-13	-15.79

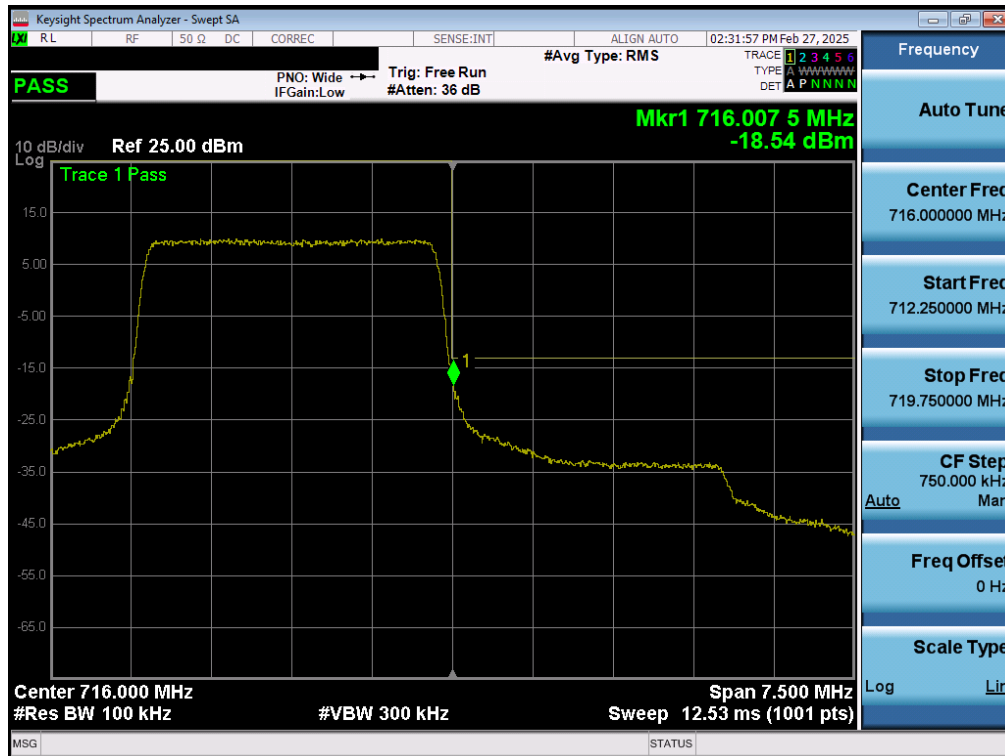
Table 7-20. Conducted Band Edge Results – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – ANT2



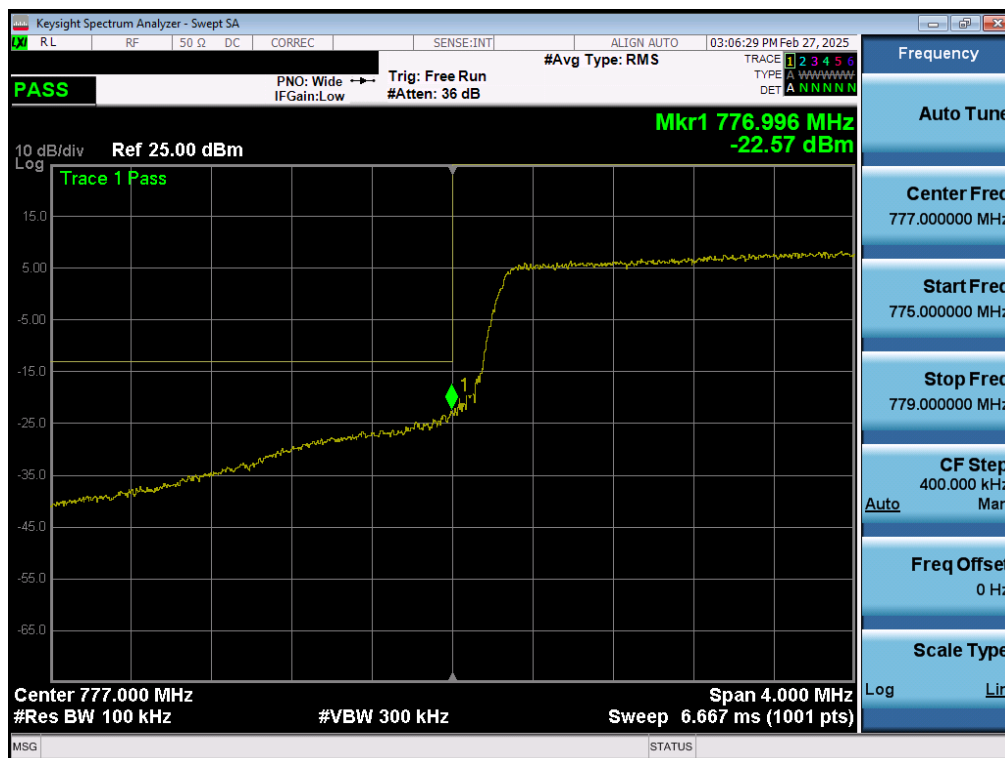
Plot 7-201. Lower Band Edge Plot (LTE Band 12/17 – 3MHz QPSK – Full RB - ANT2)



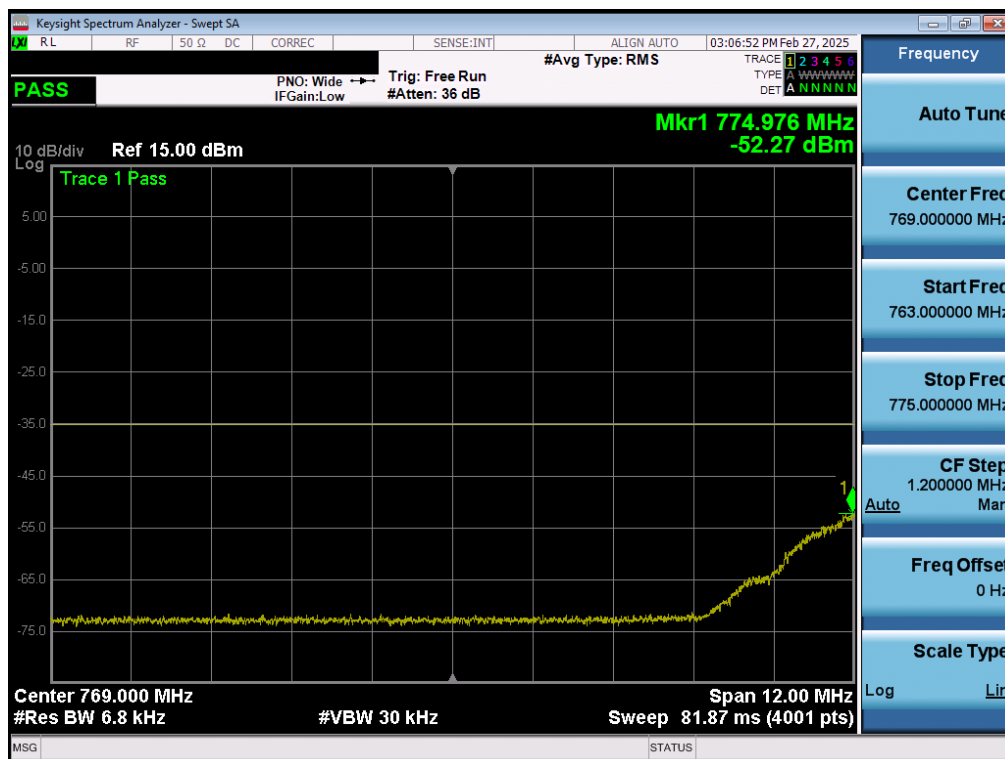
Plot 7-202. Upper Band Edge Plot (LTE Band 12/17 – 3MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – ANT2



Plot 7-203. Lower Band Edge Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT2)



Plot 7-204. Lower Emission Mask Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-205. Upper Band Edge Plot (LTE Band 13 - 5MHz QPSK - Full RB - ANT2)



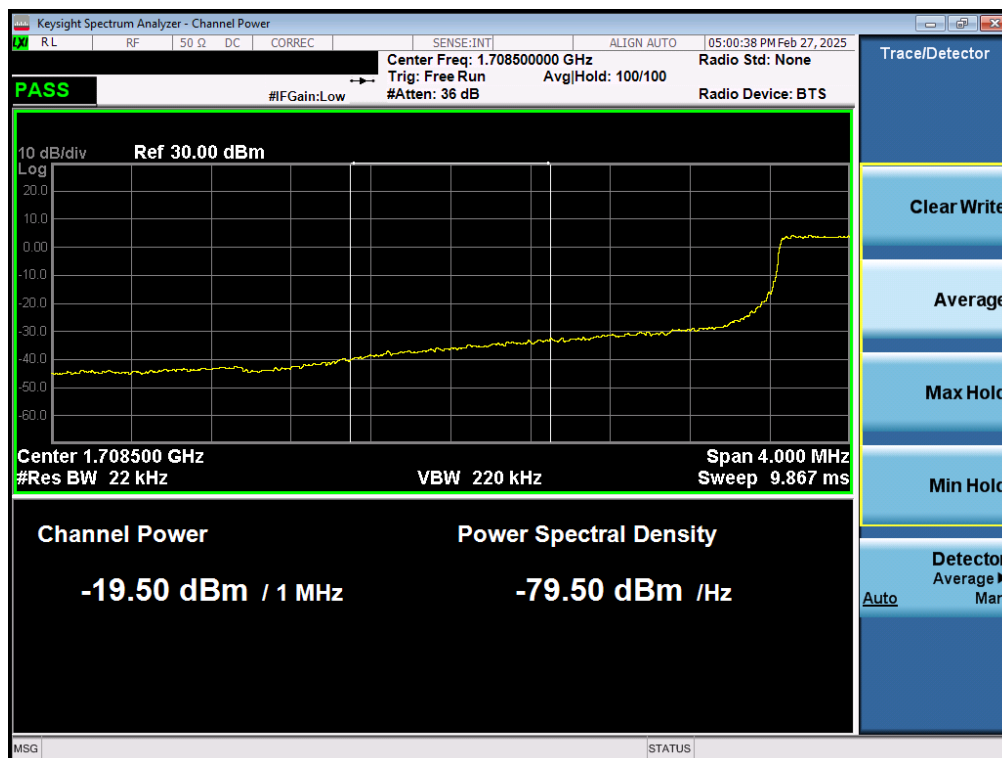
Plot 7-206. Upper Emission Mask Plot (LTE Band 13 - 5MHz QPSK - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT2



Plot 7-207. Lower Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB - ANT2)

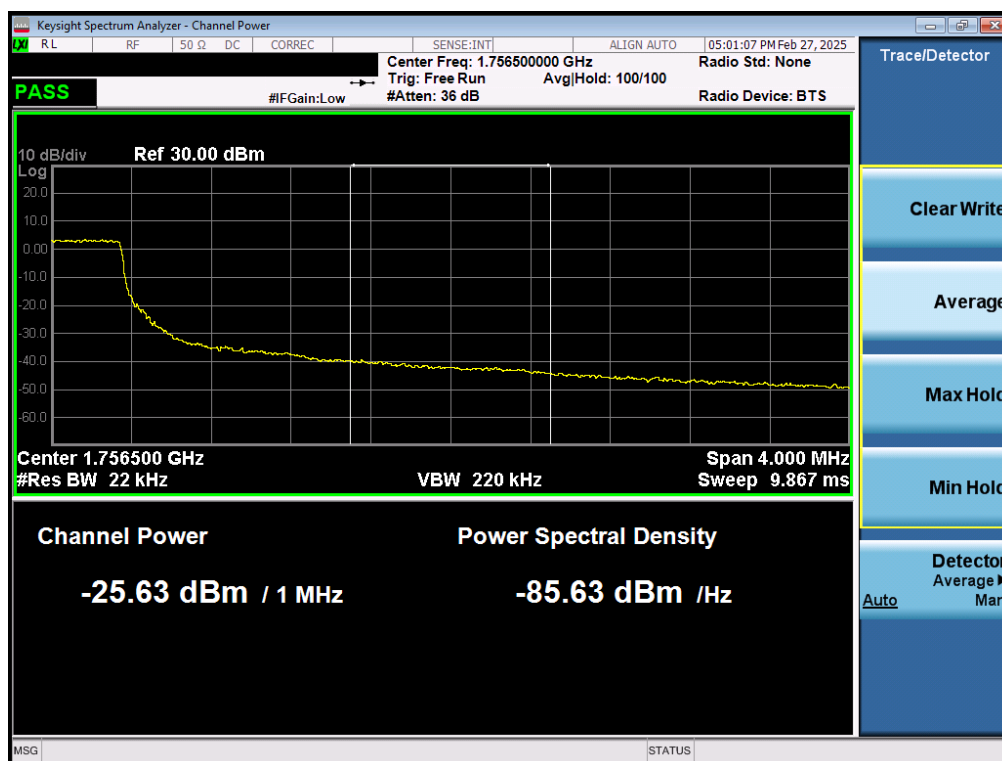


Plot 7-208. Lower Extended Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-209. Upper Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB - ANT2)

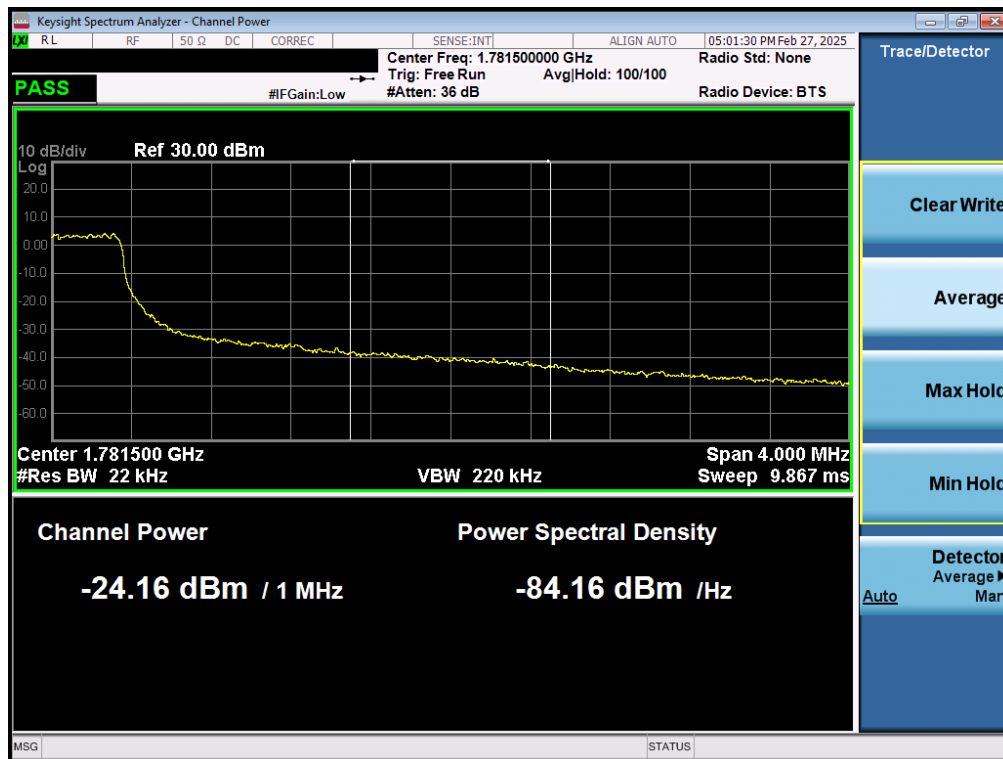


Plot 7-210. Upper Extended Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 153 of 235



Plot 7-211. Upper Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB - ANT2)



Plot 7-212. Upper Extended Band Edge Plot (LTE Band 66 - 3MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n71	35 MHz	Low	Band Edge	-28.20	-13	-15.20
		High	Band Edge	-27.48	-13	-14.48
	30 MHz	Low	Band Edge	-28.77	-13	-15.77
		High	Band Edge	-27.86	-13	-14.86
	25 MHz	Low	Band Edge	-26.96	-13	-13.96
		High	Band Edge	-27.61	-13	-14.61
	20 MHz	Low	Band Edge	-26.79	-13	-13.79
		High	Band Edge	-25.32	-13	-12.32
	15 MHz	Low	Band Edge	-27.28	-13	-14.28
		High	Band Edge	-24.65	-13	-11.65
	10 MHz	Low	Band Edge	-25.89	-13	-12.89
		High	Band Edge	-27.51	-13	-14.51
	5 MHz	Low	Band Edge	-21.91	-13	-8.91
		High	Band Edge	-20.48	-13	-7.48

Table 7-21. Conducted Band Edge Results – Ant2

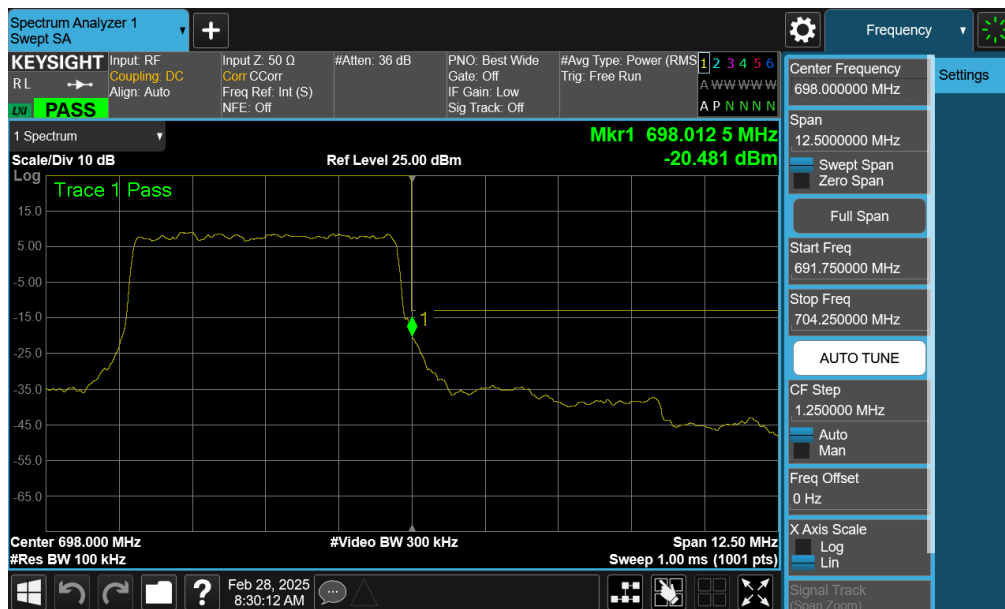
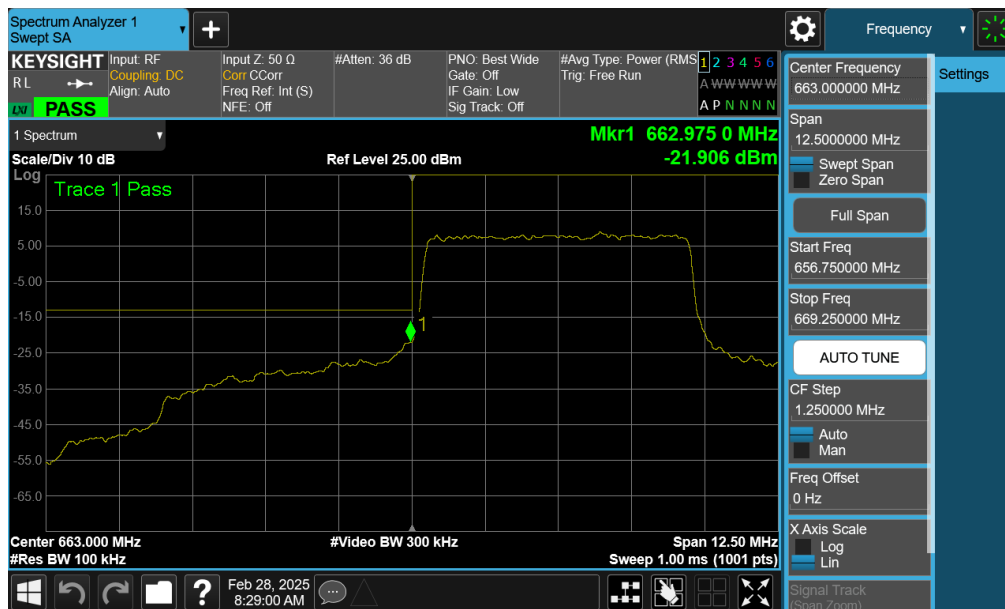
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n66	45 MHz	Low	Band Edge	-28.36	-13	-15.36
		Low	Extended	-28.14	-13	-15.14
		High	Band Edge	-29.12	-13	-16.12
		High	Extended	-31.01	-13	-18.01
	40 MHz	Low	Band Edge	-26.49	-13	-13.49
		Low	Extended	-26.15	-13	-13.15
		High	Band Edge	-23.40	-13	-10.40
		High	Extended	-30.96	-13	-17.96
	30 MHz	Low	Band Edge	-27.20	-13	-14.20
		Low	Extended	-26.06	-13	-13.06
		High	Band Edge	-29.83	-13	-16.83
		High	Extended	-31.48	-13	-18.48
	30 MHz	Low	Band Edge	-27.55	-13	-14.55
		Low	Extended	-25.66	-13	-12.66
		High	Band Edge	-27.62	-13	-14.62
		High	Extended	-30.25	-13	-17.25
	25 MHz	Low	Band Edge	-28.61	-13	-15.61
		Low	Extended	-28.61	-13	-15.61
		High	Band Edge	-32.40	-13	-19.40
		High	Extended	-32.40	-13	-19.40
	20 MHz	Low	Band Edge	-25.80	-13	-12.80
		Low	Extended	-22.56	-13	-9.56
		High	Band Edge	-29.84	-13	-16.84
		High	Extended	-26.67	-13	-13.67
	15 MHz	Low	Band Edge	-27.06	-13	-14.06
		Low	Extended	-20.27	-13	-7.27
		High	Band Edge	-27.20	-13	-14.20
		High	Extended	-22.92	-13	-9.92
	10 MHz	Low	Band Edge	-25.20	-13	-12.20
		Low	Extended	-17.07	-13	-4.07
		High	Band Edge	-26.65	-13	-13.65
		High	Extended	-18.63	-13	-5.63
	5 MHz	Low	Band Edge	-24.17	-13	-11.17
		Low	Extended	-23.00	-13	-10.00
		High	Band Edge	-22.04	-13	-9.04
		High	Extended	-28.79	-13	-15.79

Table 7-22. Conducted Band Edge Results – Ant2

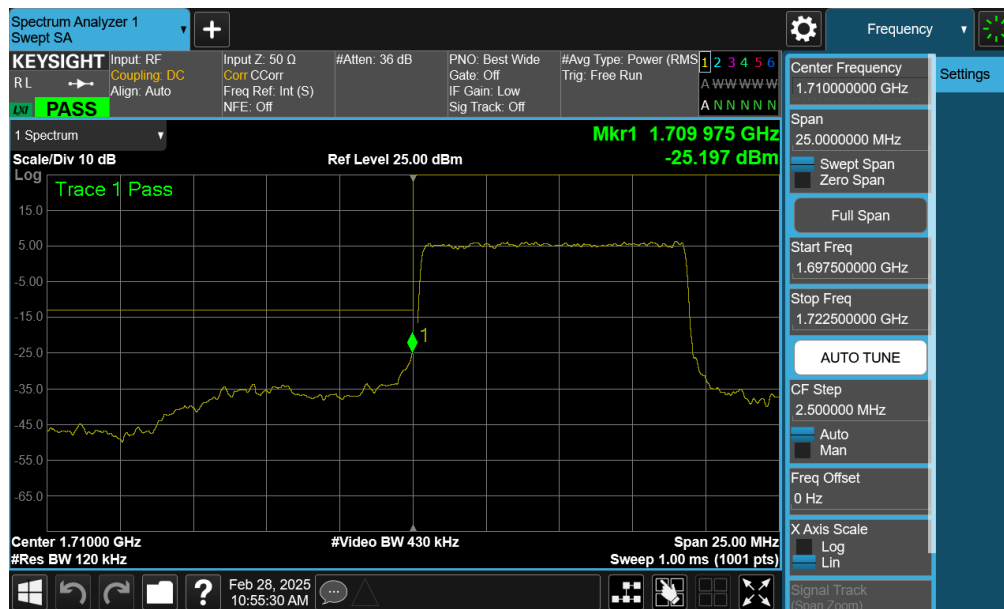
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 156 of 235

NR Band n71 – ANT2

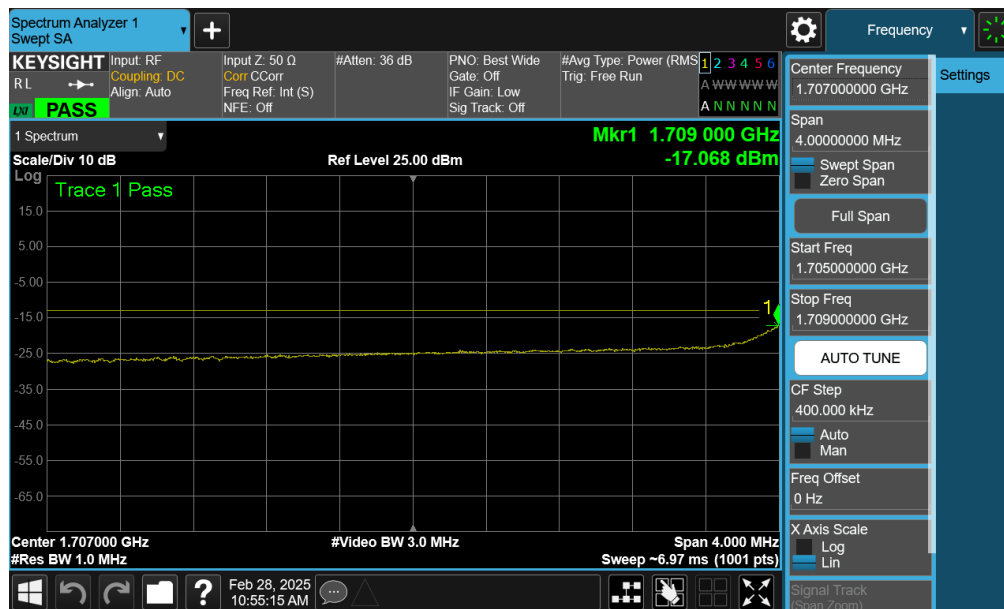


FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 157 of 235

NR Band n66 – ANT2

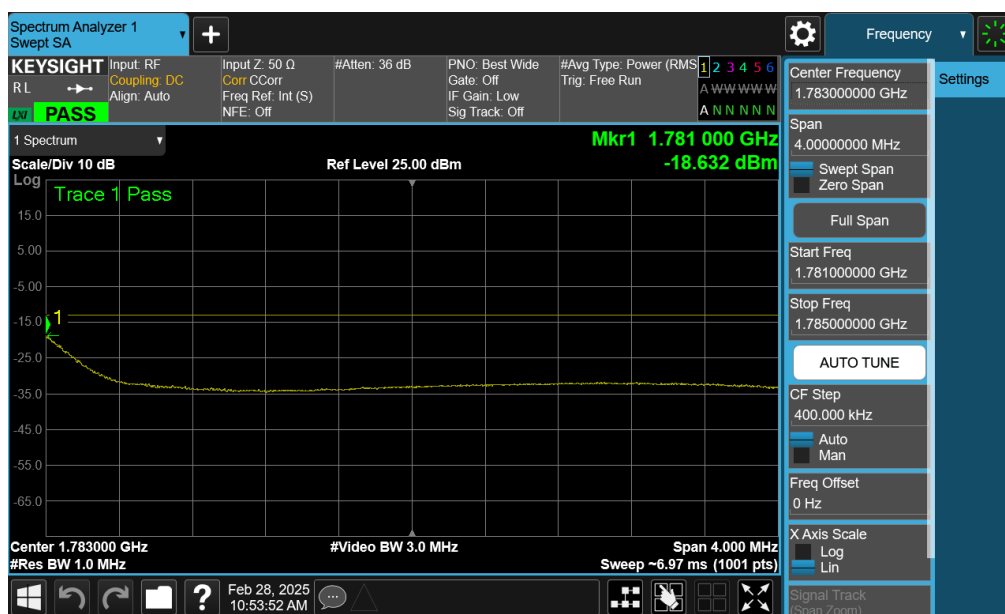


Plot 7-215. Lower Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT2)



Plot 7-216. Lower Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

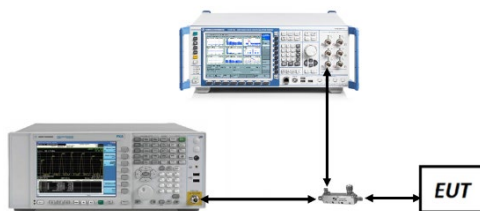


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
WCDMA-AWS	5MHz	GMSK	23.98	3.28	13	-9.72
LTE-B66-4	20MHz	QPSK	23.24	4.55	13	-8.45
		256QAM	19.25	6.72	13	-6.28
	15MHz	QPSK	23.25	4.45	13	-8.55
		256QAM	19.28	6.72	13	-6.28
	10MHz	QPSK	23.27	4.59	13	-8.41
		256QAM	19.29	6.75	13	-6.25
	5MHz	QPSK	23.25	4.51	13	-8.49
		256QAM	19.27	6.75	13	-6.25
	3MHz	QPSK	23.25	4.49	13	-8.51
		256QAM	19.29	6.84	13	-6.16
	1.4MHz	QPSK	23.16	4.52	13	-8.48
		256QAM	19.21	6.80	13	-6.20

Table 7-23. Peak-Average Ratio Results – Ant1

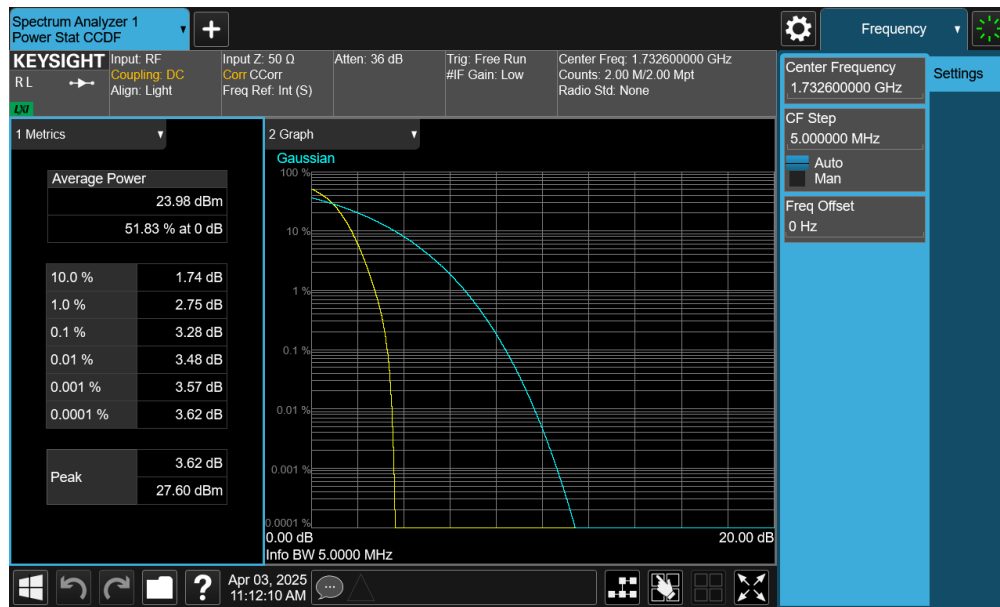
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 161 of 235

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n66	45MHz	$\pi/2$ BPSK	23.51	4.00	13	-9.00
		QPSK	20.90	6.77	13	-6.23
		256QAM	17.38	8.49	13	-4.51
	40MHz	$\pi/2$ BPSK	23.69	3.74	13	-9.26
		QPSK	21.29	6.44	13	-6.56
		256QAM	17.70	8.28	13	-4.72
	35MHz	$\pi/2$ BPSK	23.83	3.67	13	-9.33
		QPSK	21.20	6.54	13	-6.46
		256QAM	17.74	8.21	13	-4.79
	30MHz	$\pi/2$ BPSK	23.85	3.60	13	-9.40
		QPSK	21.26	6.51	13	-6.49
		256QAM	17.75	8.33	13	-4.67
	25MHz	$\pi/2$ BPSK	23.80	3.89	13	-9.11
		QPSK	21.21	6.61	13	-6.39
		256QAM	17.72	8.48	13	-4.52
	20MHz	$\pi/2$ BPSK	23.66	3.63	13	-9.37
		QPSK	21.13	6.43	13	-6.57
		256QAM	17.56	8.23	13	-4.77
	15MHz	$\pi/2$ BPSK	23.69	3.67	13	-9.33
		QPSK	21.05	6.49	13	-6.51
		256QAM	17.56	8.37	13	-4.63
	10MHz	$\pi/2$ BPSK	23.66	3.72	13	-9.28
		QPSK	21.04	6.62	13	-6.38
		256QAM	17.55	8.68	13	-4.32
	5MHz	$\pi/2$ BPSK	23.65	3.75	13	-9.25
		QPSK	21.21	6.57	13	-6.43
		256QAM	17.60	8.31	13	-4.69

Table 7-24. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 162 of 235

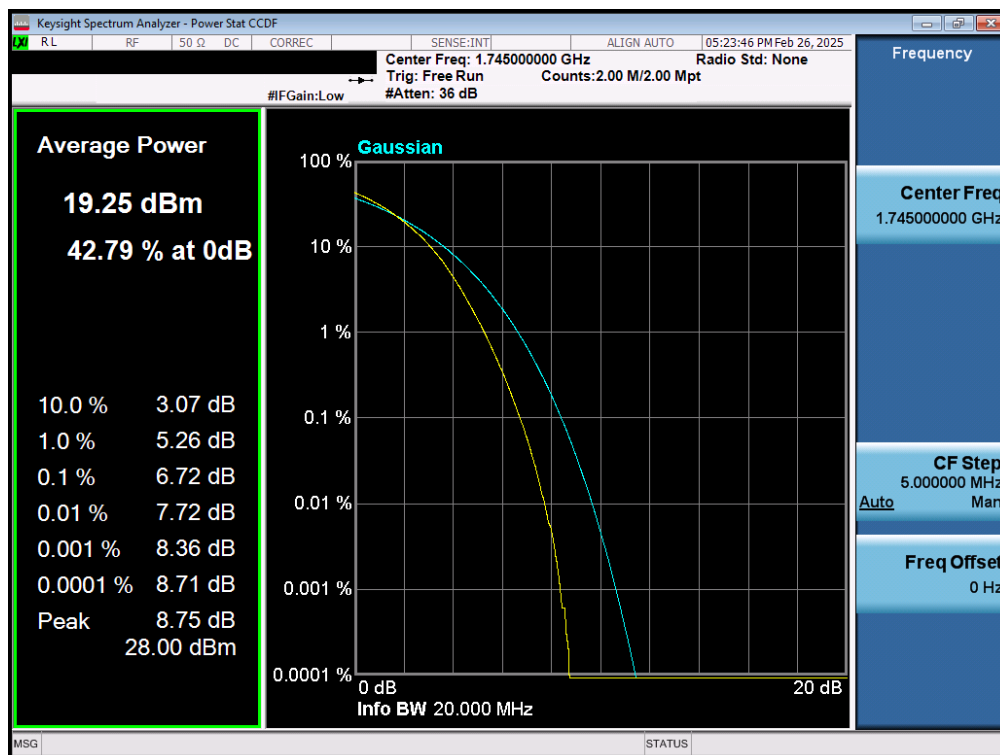
WCDMA AWS – ANT1



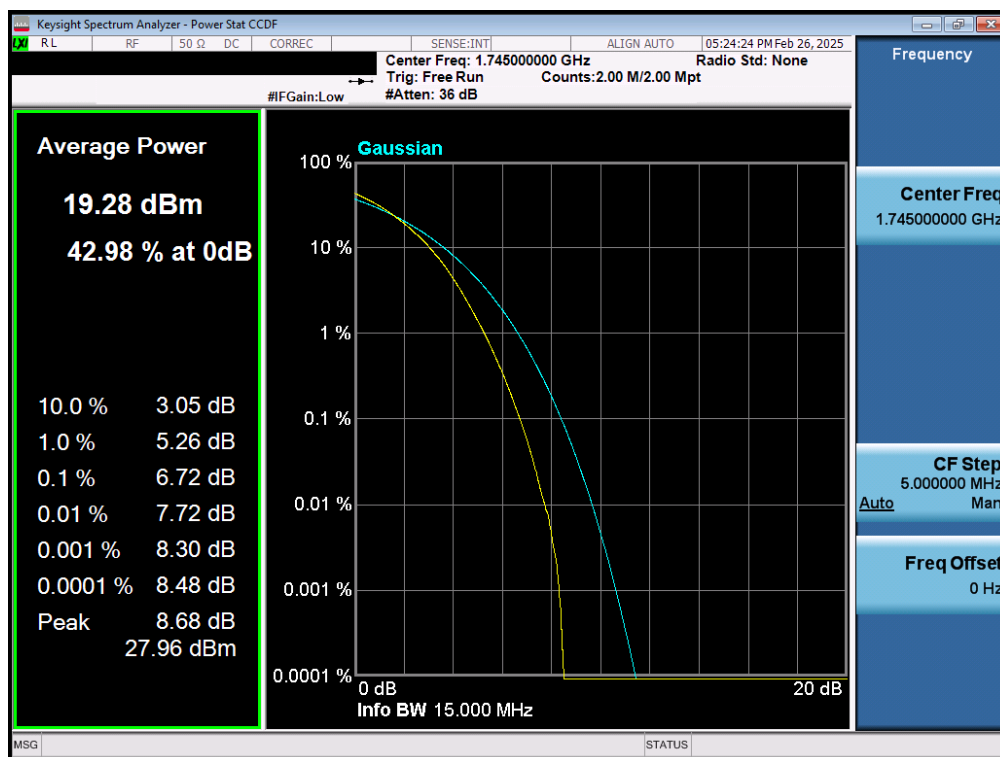
Plot 7-219. PAR Plot (WCDMA, Ch. 1413 – ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 163 of 235

LTE Band 66/4 – ANT1

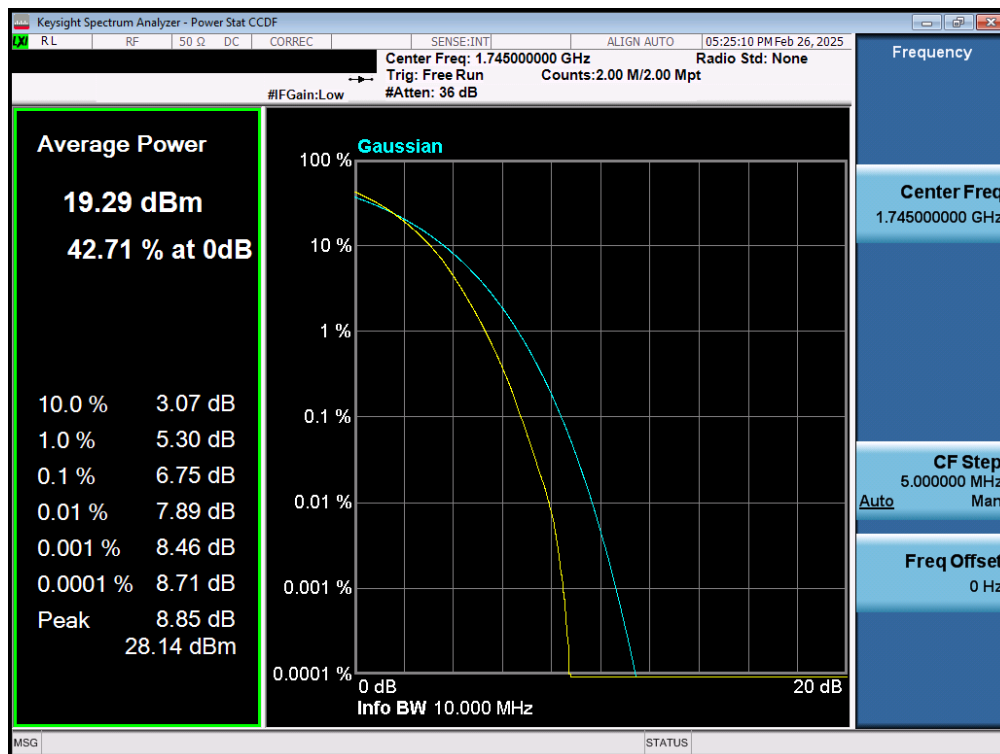


Plot 7-220. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - ANT1)

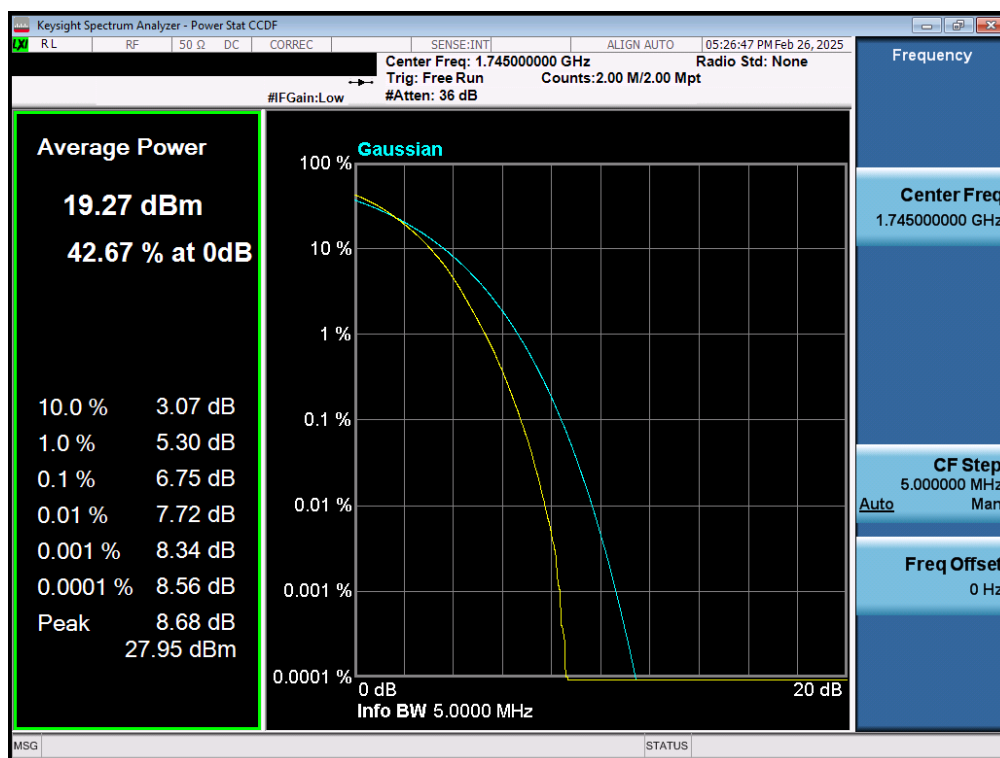


Plot 7-221. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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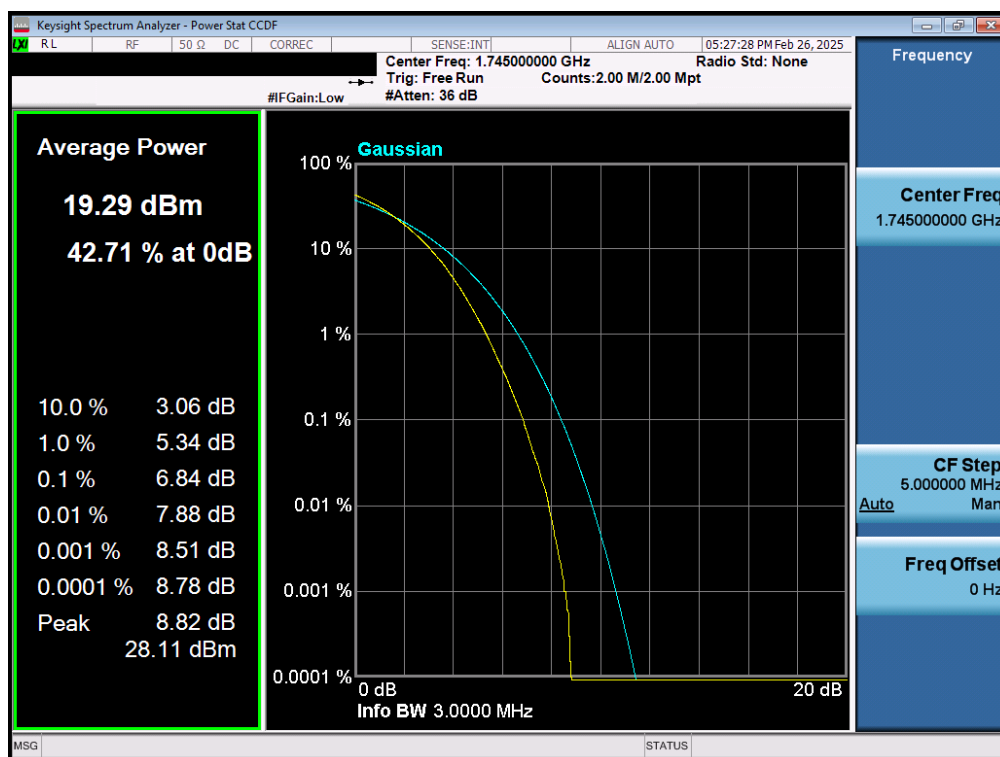


Plot 7-222. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB - ANT1)

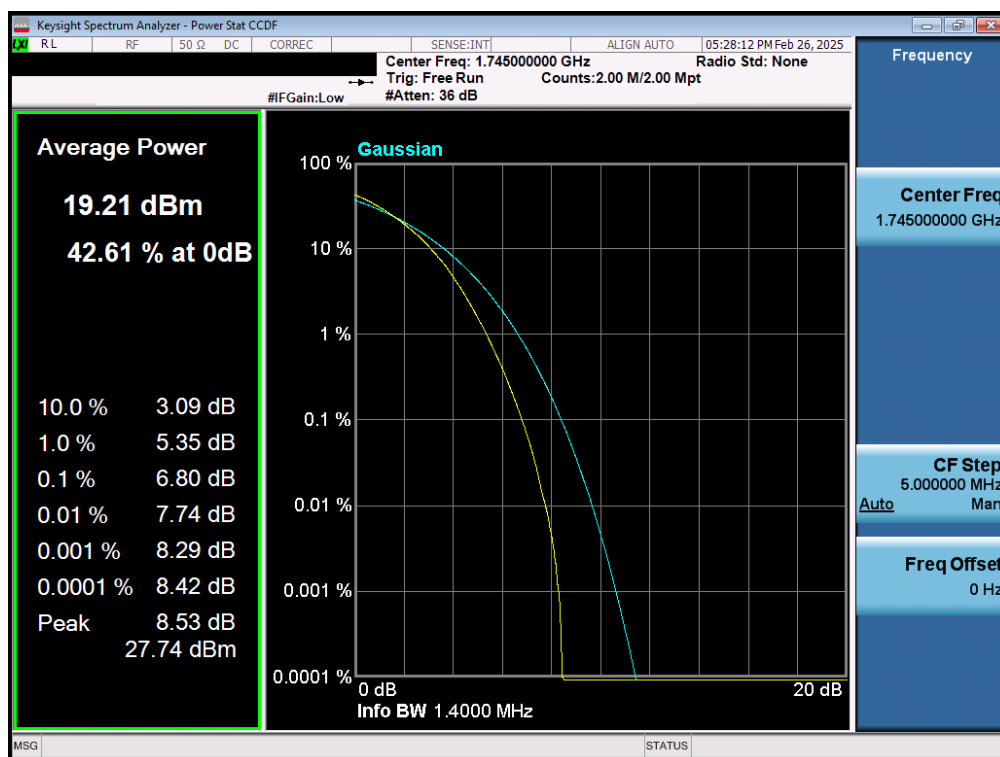


Plot 7-223. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 - 05/05/2025	EUT Type: Portable Handset	Page 165 of 235



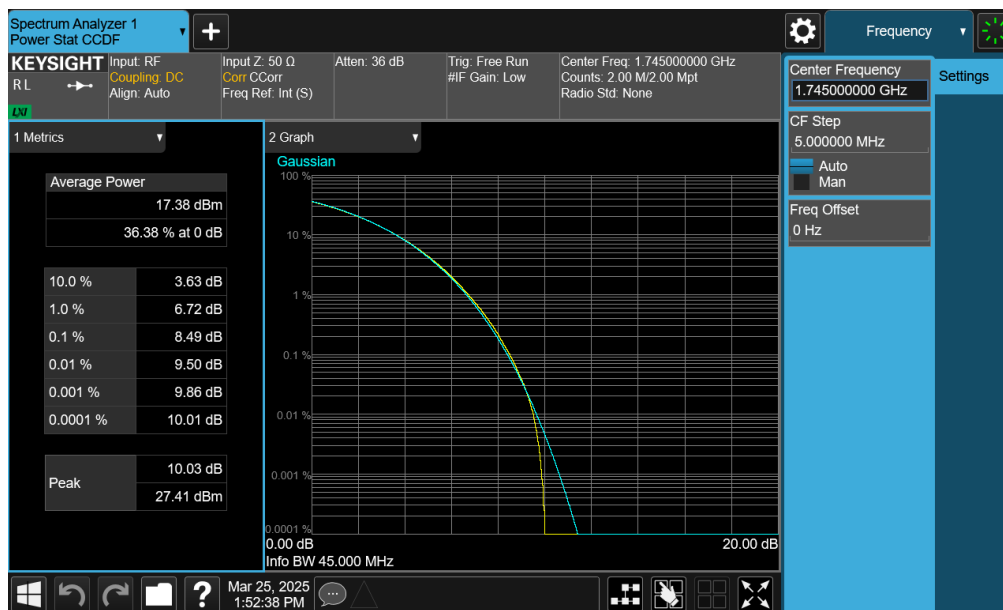
Plot 7-224. PAR Plot (LTE Band 66/4 - 3MHz 256-QAM - Full RB - ANT1)



Plot 7-225. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 - 05/05/2025	EUT Type: Portable Handset	Page 166 of 235

NR Band n66 – ANT1



FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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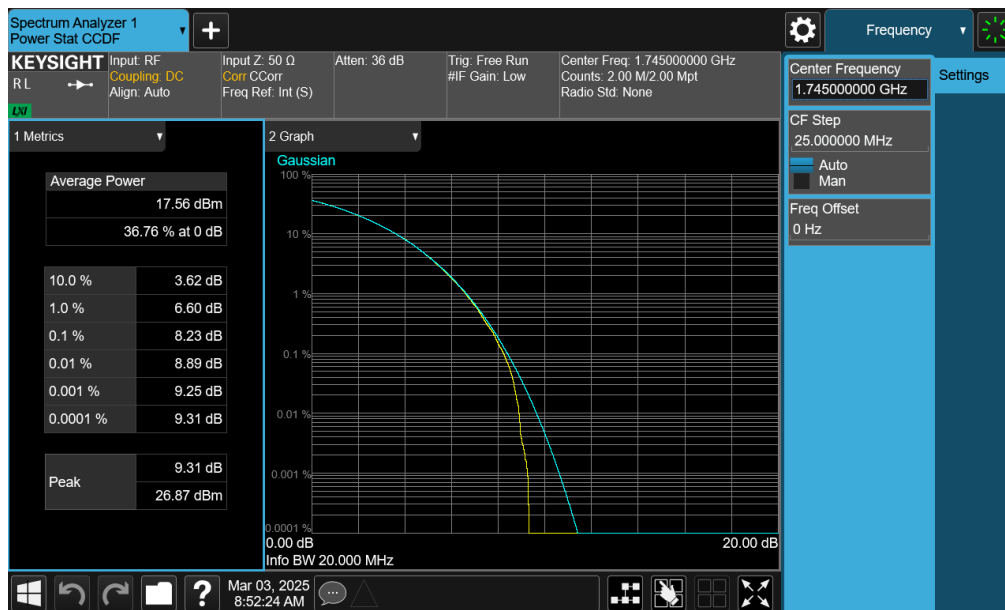


Plot 7-228. PAR Plot (NR Band n66 - 35.0MHz CP-OFDM 256-QAM - Full RB - ANT1)



Plot 7-229. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-232. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT1)



Plot 7-233. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 170 of 235



Plot 7-234. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 171 of 235

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B66-4	20MHz	QPSK	23.89	4.74	13	-8.26
		256QAM	19.85	6.65	13	-6.35
	15MHz	QPSK	23.87	4.75	13	-8.25
		256QAM	19.83	6.66	13	-6.34
	10MHz	QPSK	23.91	4.78	13	-8.22
		256QAM	19.87	6.66	13	-6.34
	5MHz	QPSK	23.90	4.75	13	-8.25
		256QAM	19.87	6.70	13	-6.30
	3MHz	QPSK	23.86	4.66	13	-8.34
		256QAM	19.87	6.70	13	-6.30
	1.4MHz	QPSK	23.79	4.67	13	-8.33
		256QAM	19.76	6.72	13	-6.28

Table 7-25. Peak-Average Ratio Results – Ant2

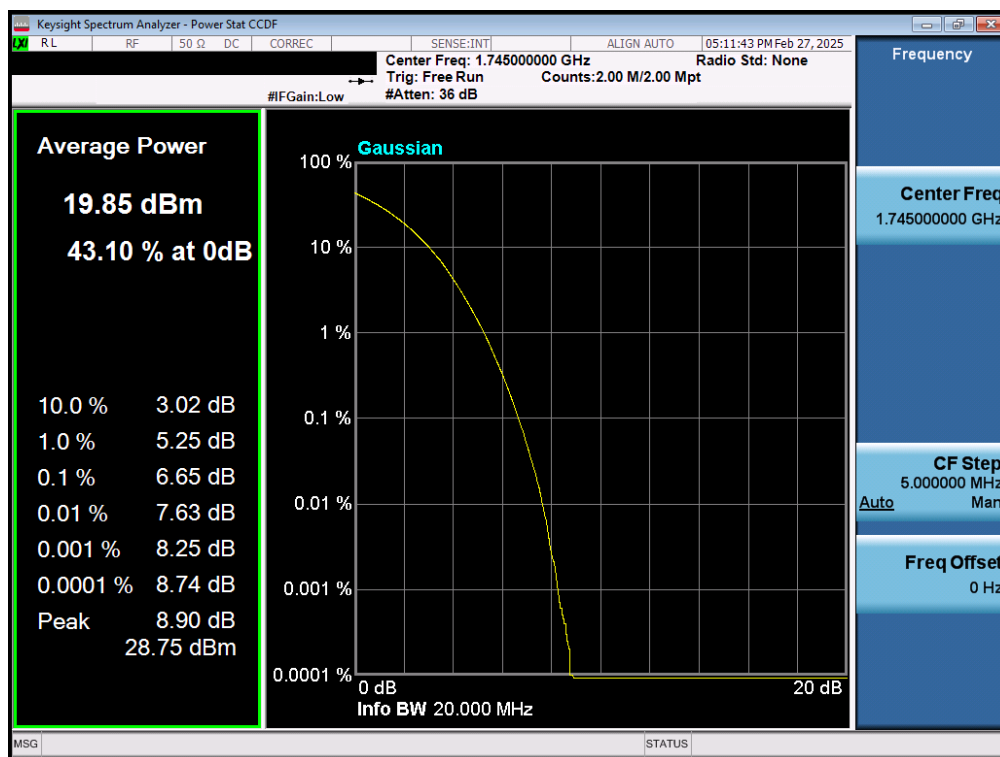
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 172 of 235

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n66	45MHz	$\pi/2$ BPSK	24.19	4.16	13	-8.84
		QPSK	21.59	7.25	13	-5.75
		256QAM	18.12	8.42	13	-4.58
	40MHz	$\pi/2$ BPSK	23.99	4.20	13	-8.80
		QPSK	21.58	6.92	13	-6.08
		256QAM	18.09	8.39	13	-4.61
	35MHz	$\pi/2$ BPSK	24.09	4.35	13	-8.65
		QPSK	21.59	7.06	13	-5.94
		256QAM	18.16	8.31	13	-4.69
	30MHz	$\pi/2$ BPSK	24.17	4.13	13	-8.87
		QPSK	21.59	7.06	13	-5.94
		256QAM	18.16	8.31	13	-4.69
	20MHz	$\pi/2$ BPSK	24.13	4.24	13	-8.76
		QPSK	21.58	7.28	13	-5.72
		256QAM	18.09	8.47	13	-4.53
	15MHz	$\pi/2$ BPSK	24.07	4.29	13	-8.71
		QPSK	21.54	7.12	13	-5.88
		256QAM	18.00	8.39	13	-4.61
	10MHz	$\pi/2$ BPSK	24.05	4.21	13	-8.79
		QPSK	21.59	7.11	13	-5.89
		256QAM	18.00	8.59	13	-4.41
	5MHz	$\pi/2$ BPSK	24.06	4.12	13	-8.88
		QPSK	21.60	7.52	13	-5.48
		256QAM	18.05	8.34	13	-4.66

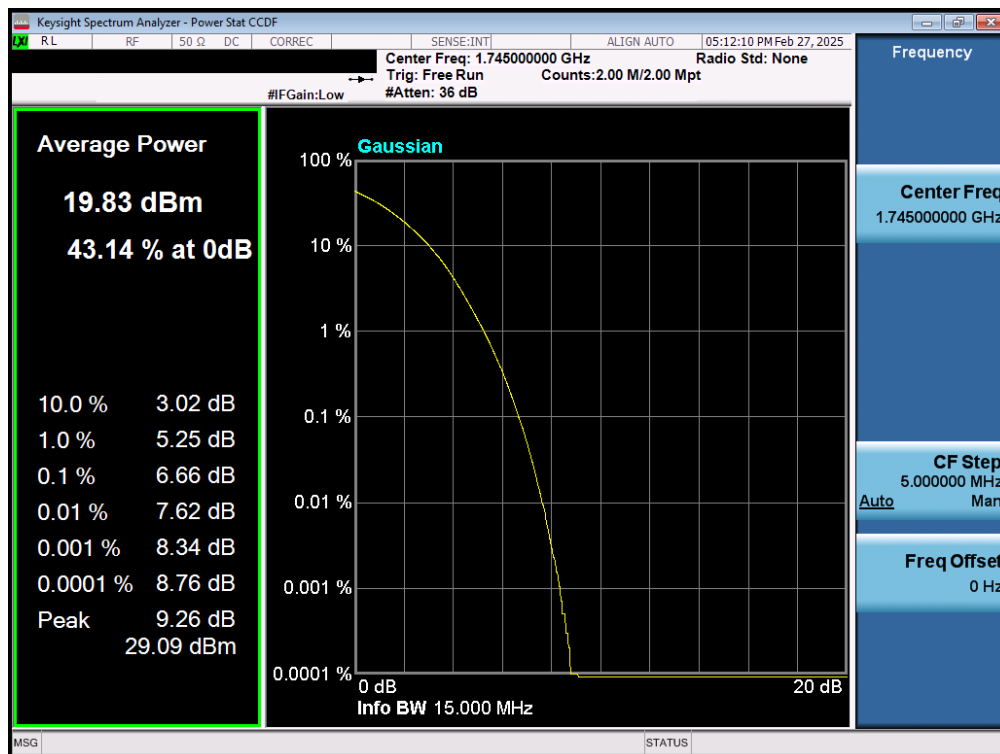
Table 7-26. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT2

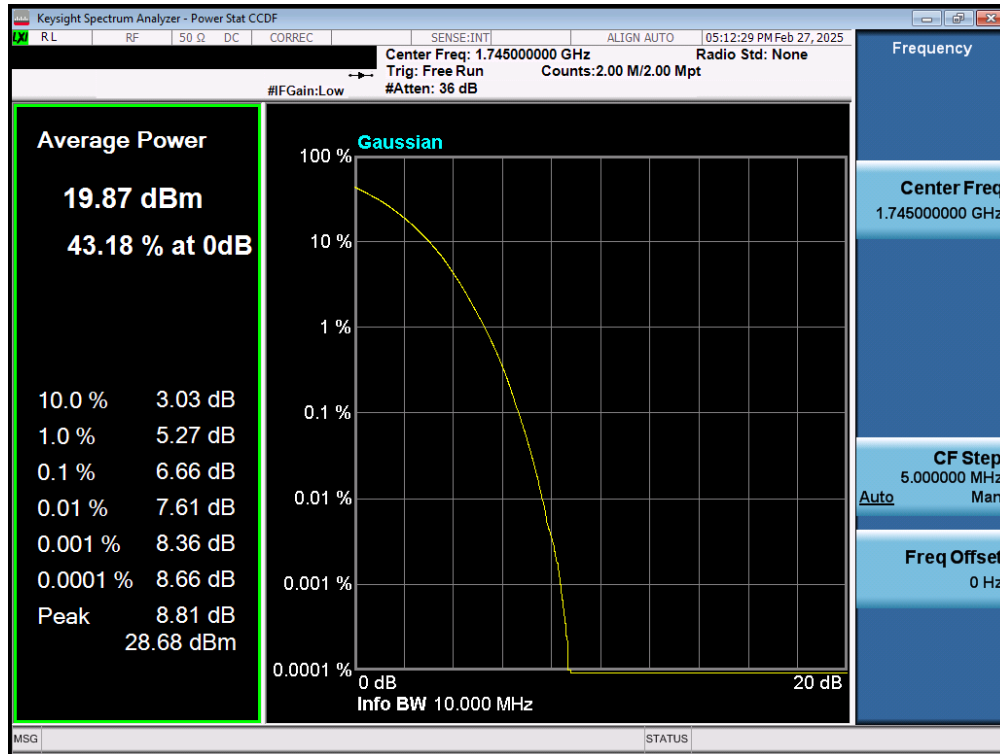


Plot 7-235. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - ANT2)

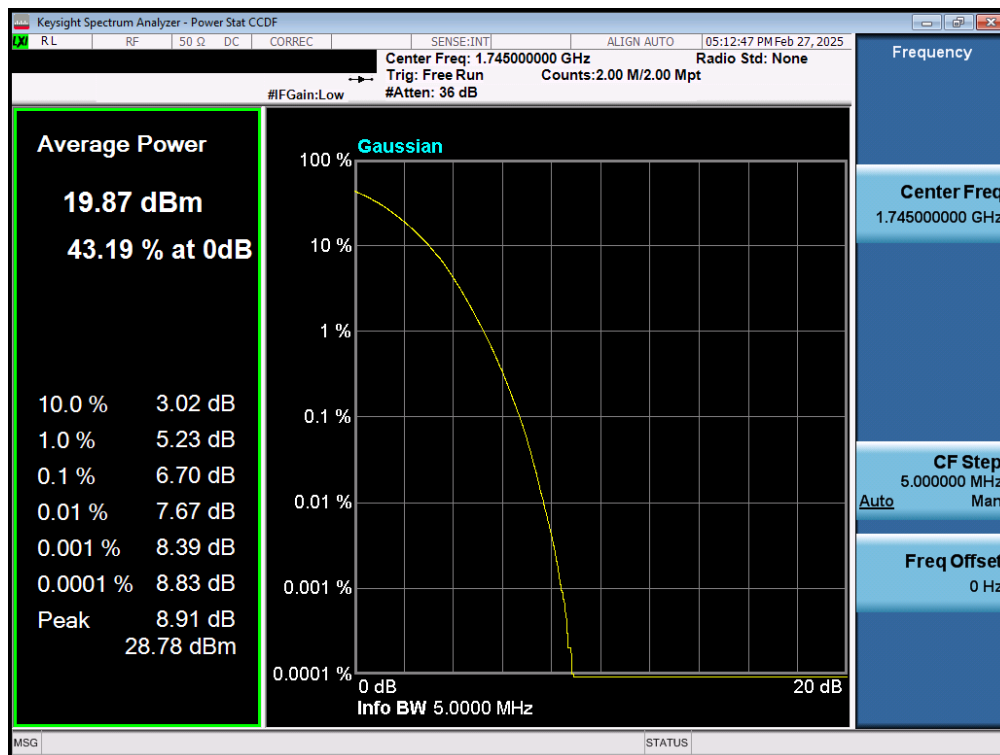


Plot 7-236. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 174 of 235



Plot 7-237. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB - ANT2)



Plot 7-238. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 - 05/05/2025	EUT Type: Portable Handset	Page 175 of 235

NR Band n66 – ANT2



FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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