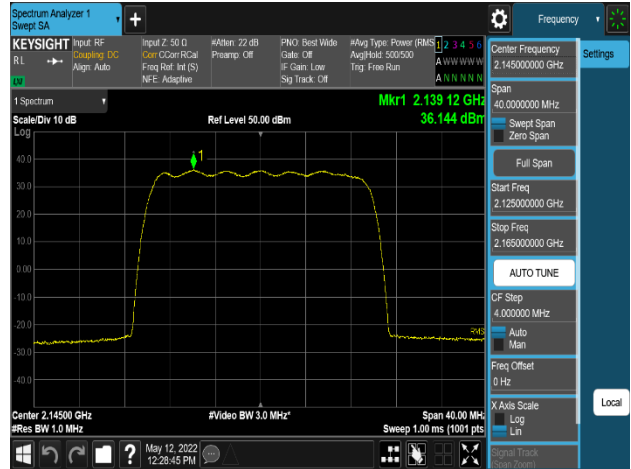
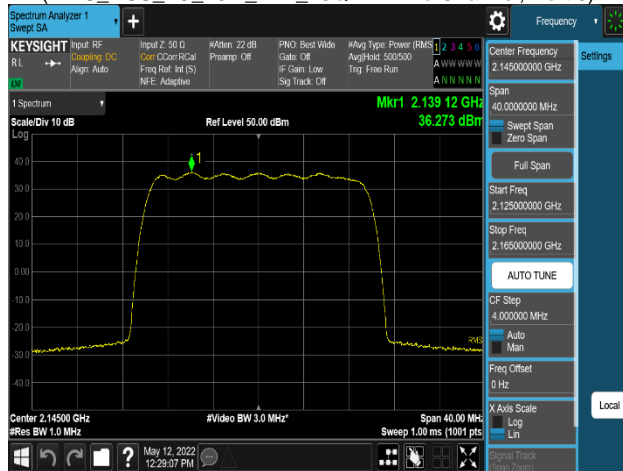


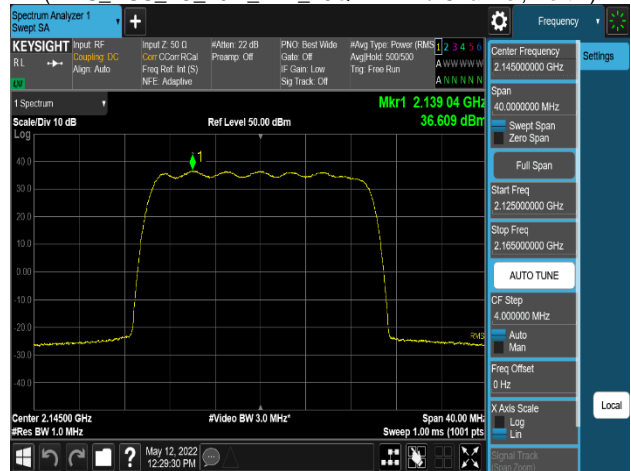
Plot 8-209. Power Spectral Density Plot
(AWS_1C_20M_4TX_16QAM - Mid Channel, Port 0)



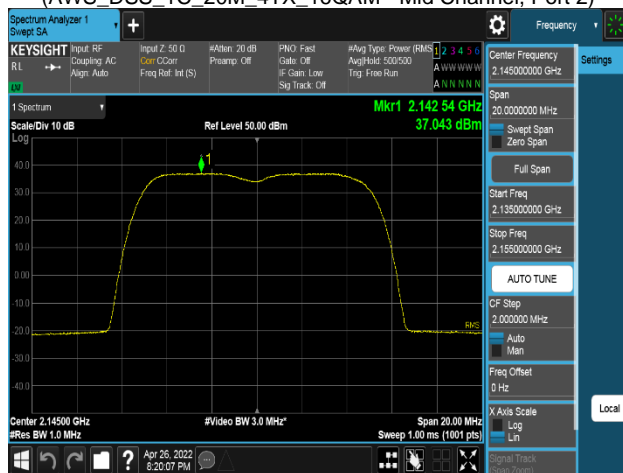
Plot 8-210. Power Spectral Density Plot
(AWS_DSS_1C_20M_4TX_16QAM - Mid Channel, Port 1)



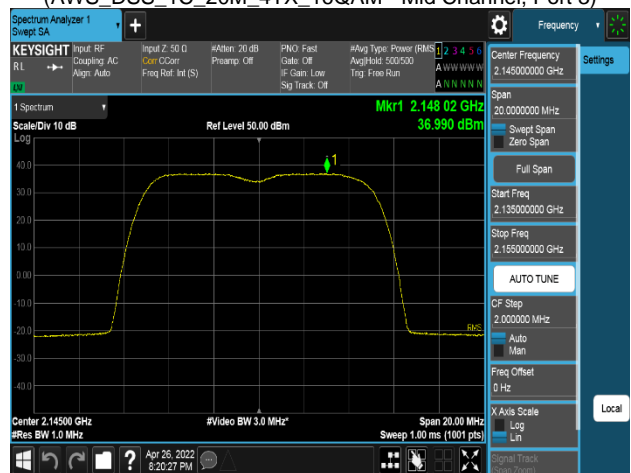
Plot 8-211. Power Spectral Density Plot
(AWS_1C_20M_4TX_16QAM - Mid Channel, Port 2)



Plot 8-212. Power Spectral Density Plot
(AWS_DSS_1C_20M_4TX_16QAM - Mid Channel, Port 3)

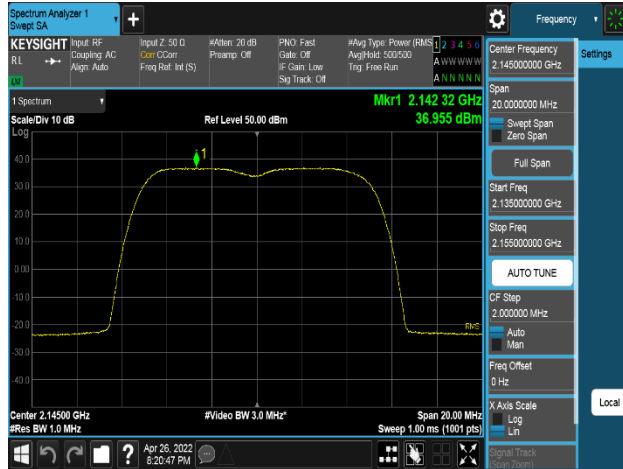


Plot 8-213. Power Spectral Density Plot
(AWS_NR_2C_5M+5M_4TX_16QAM - Mid Channel, Port 0)

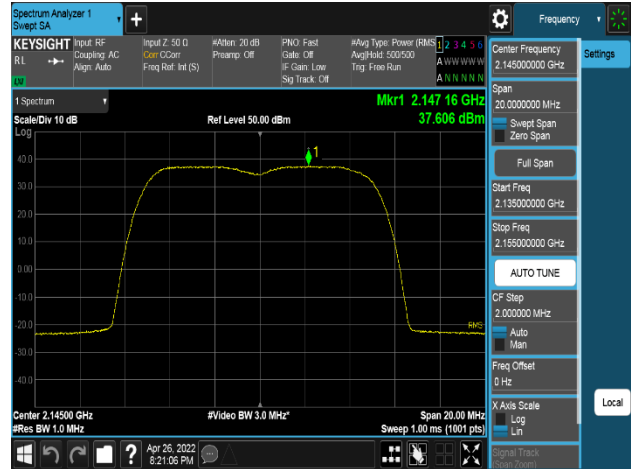


Plot 8-214. Power Spectral Density Plot
(AWS_NR_2C_5M+5M_4TX_16QAM - Mid Channel, Port 1)

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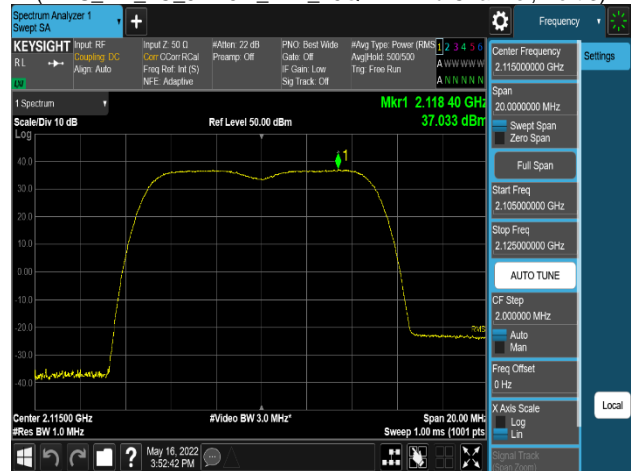
Plot 8-215. Power Spectral Density Plot
(AWS_NR_2C_5M+5M_4TX_16QAM - Mid Channel, Port 2)



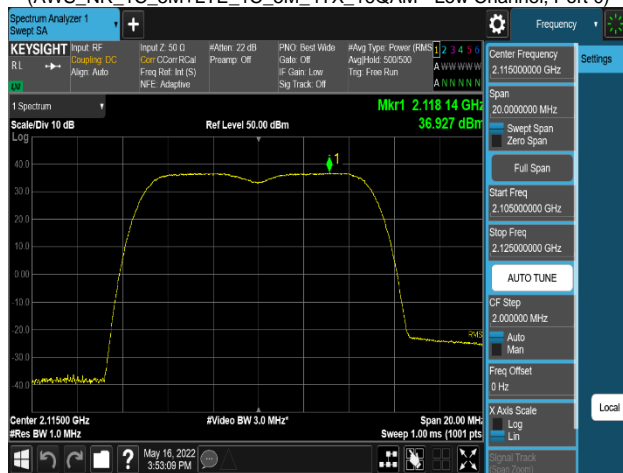
Plot 8-216. Power Spectral Density Plot
(AWS_NR_2C_5M+5M_4TX_16QAM - Mid Channel, Port 3)



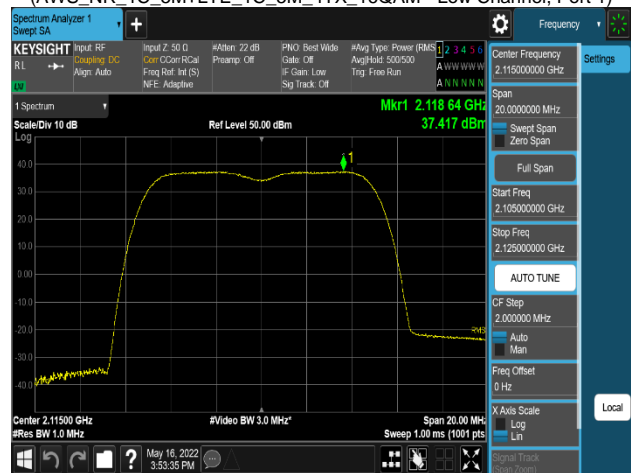
Plot 8-217. Power Spectral Density Plot
(AWS_NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 0)



Plot 8-218. Power Spectral Density Plot
(AWS_NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 1)

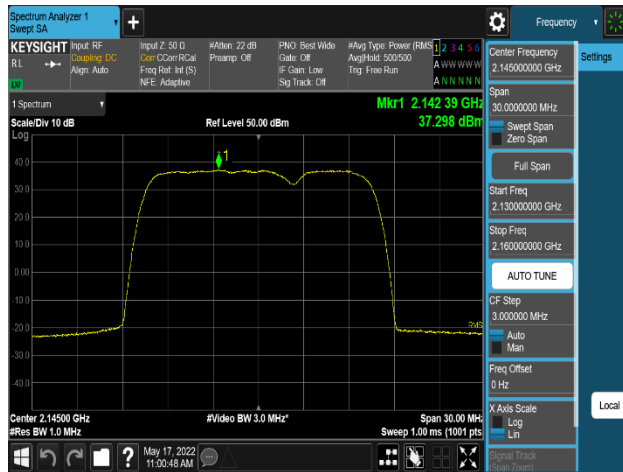


Plot 8-219. Power Spectral Density Plot
(AWS_NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 2)

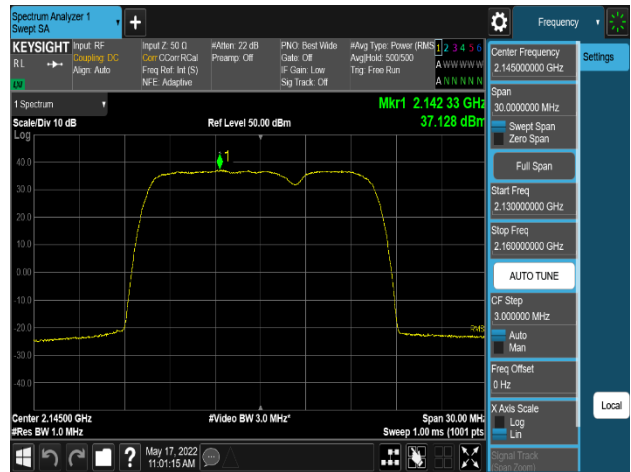


Plot 8-220. Power Spectral Density Plot
(AWS_NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 3)

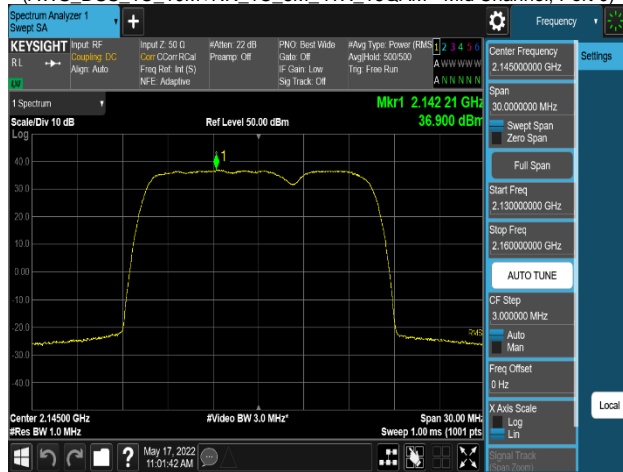
FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)		Page 105 of 270



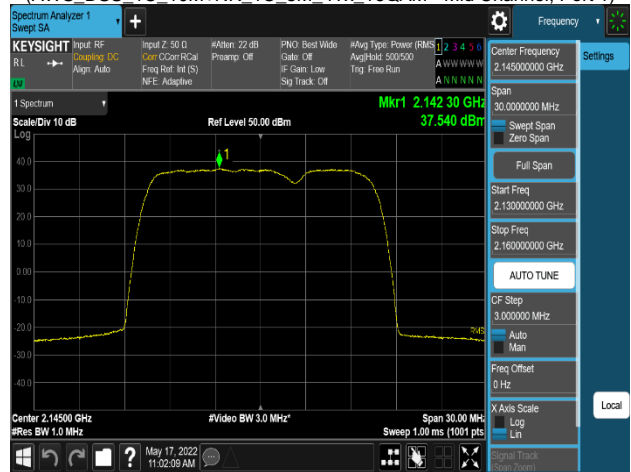
Plot 8-221. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M_4TX_16QAM - Mid Channel, Port 0)



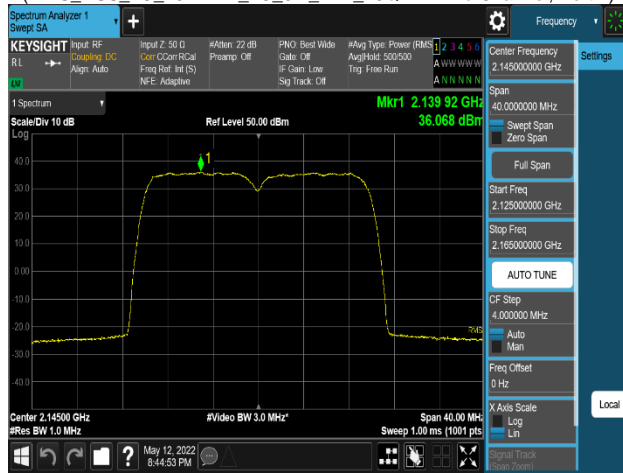
Plot 8-222. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M_4TX_16QAM - Mid Channel, Port 1)



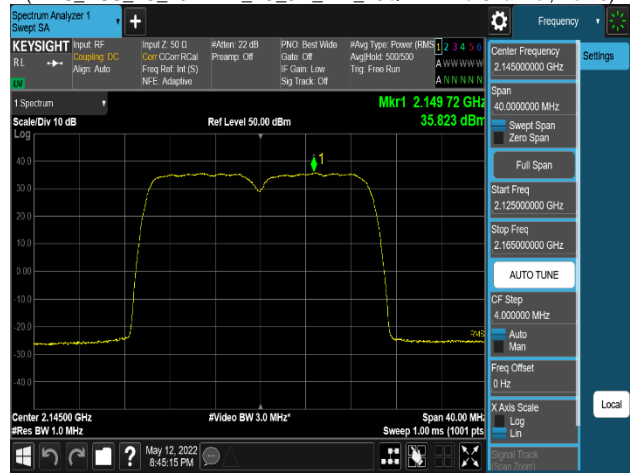
Plot 8-223. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M_4TX_16QAM - Mid Channel, Port 2)



Plot 8-224. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M_4TX_16QAM - Mid Channel, Port 3)

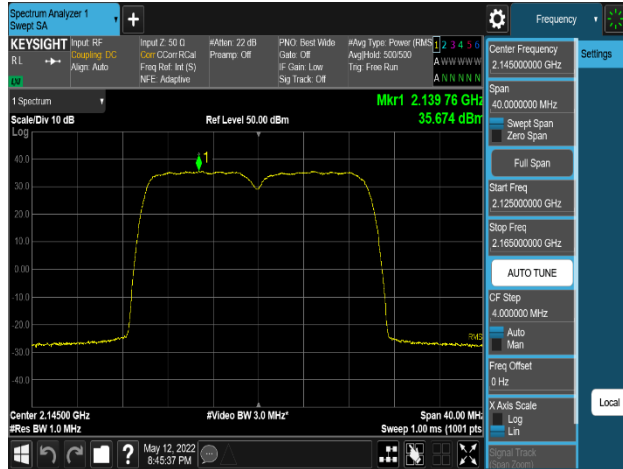


Plot 8-225. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M_4TX_16QAM - Mid Channel, Port 0)

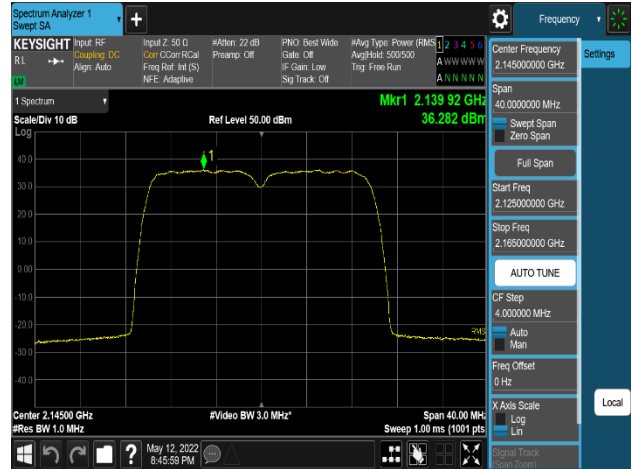


Plot 8-226. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M_4TX_16QAM - Mid Channel, Port 1)

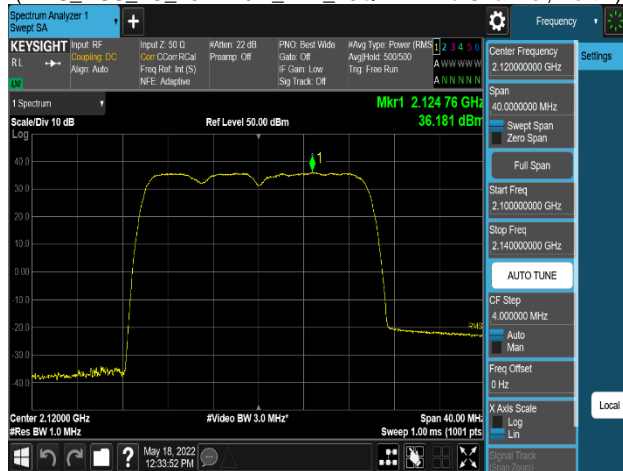
FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)		Page 106 of 270



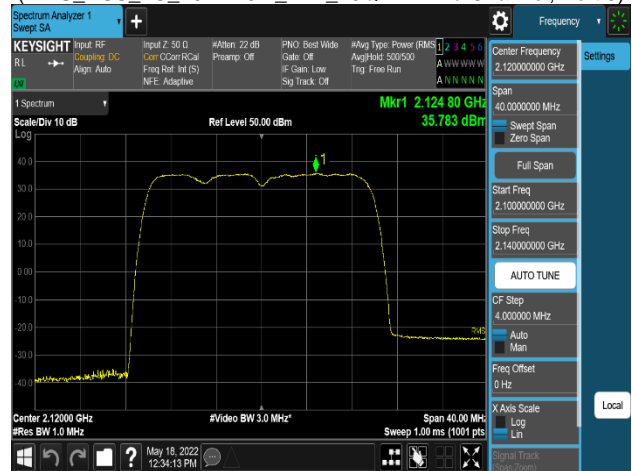
Plot 8-227. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M_4TX_16QAM - Mid Channel, Port 2)



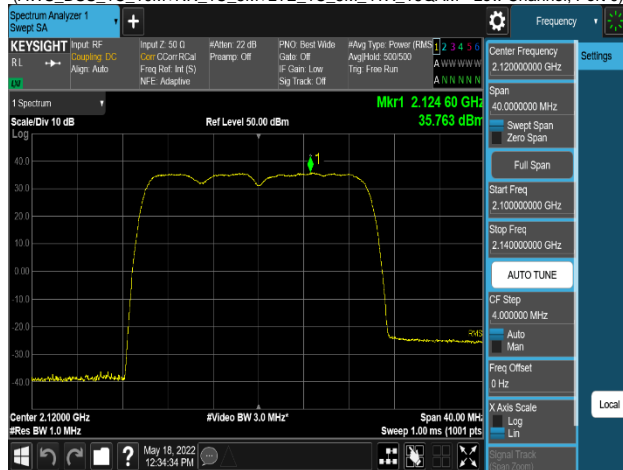
Plot 8-228. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M_4TX_16QAM - Mid Channel, Port 3)



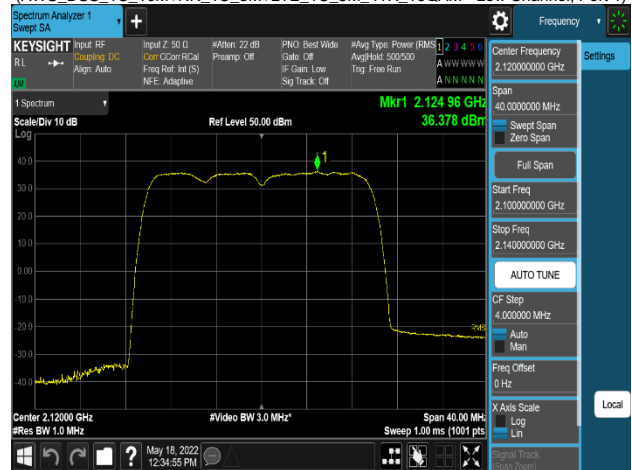
Plot 8-229. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 0)



Plot 8-230. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 1)

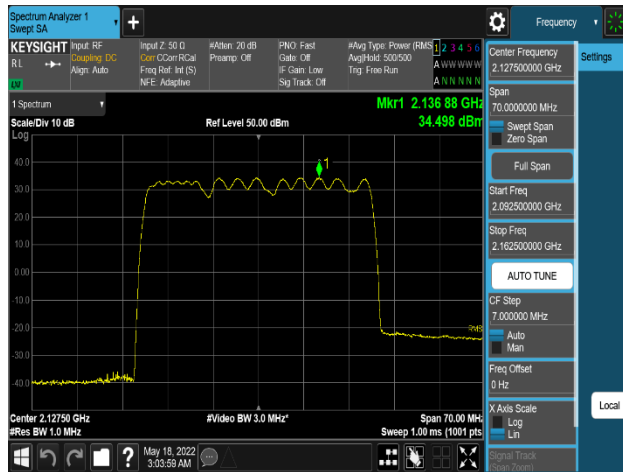


Plot 8-231. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 2)

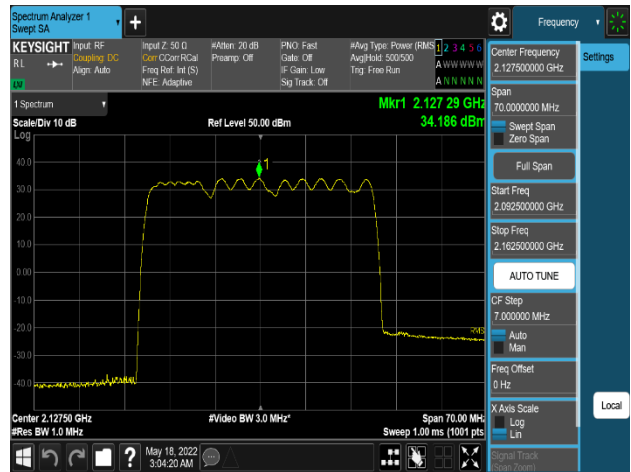


Plot 8-232. Power Spectral Density Plot
(AWS_DSS_1C_10M+NR_1C_5M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 3)

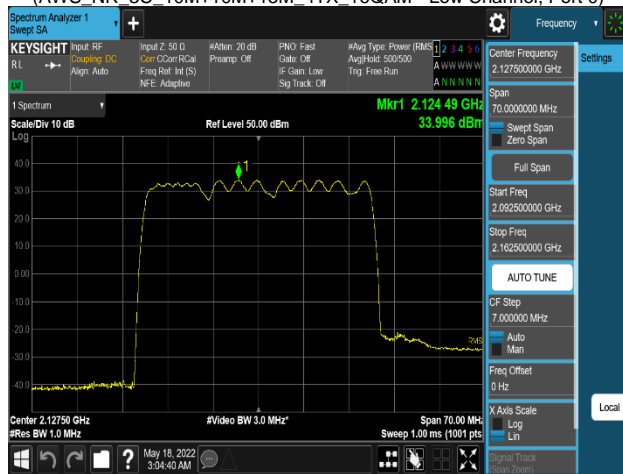
FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)		Page 107 of 270



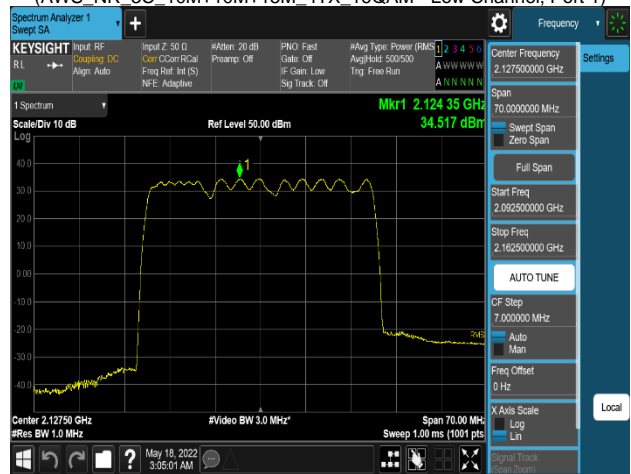
Plot 8-233. Power Spectral Density Plot
(AWS_NR_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 0)



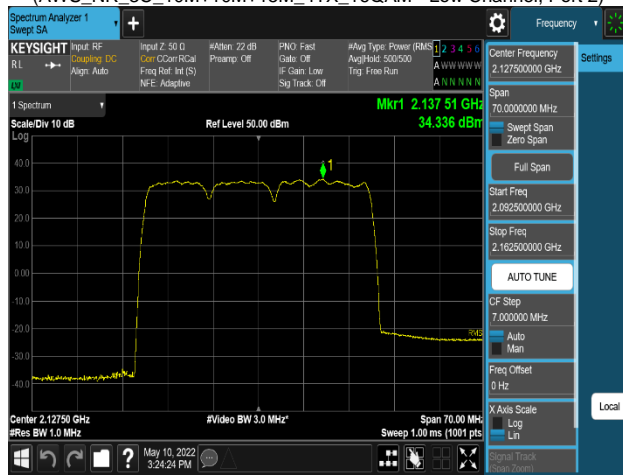
Plot 8-234. Power Spectral Density Plot
(AWS_NR_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 1)



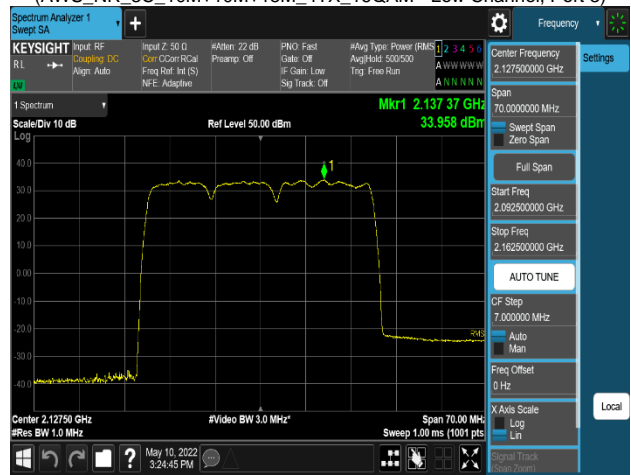
Plot 8-235. Power Spectral Density Plot
(AWS_NR_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 2)



Plot 8-236. Power Spectral Density Plot
(AWS_NR_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 3)

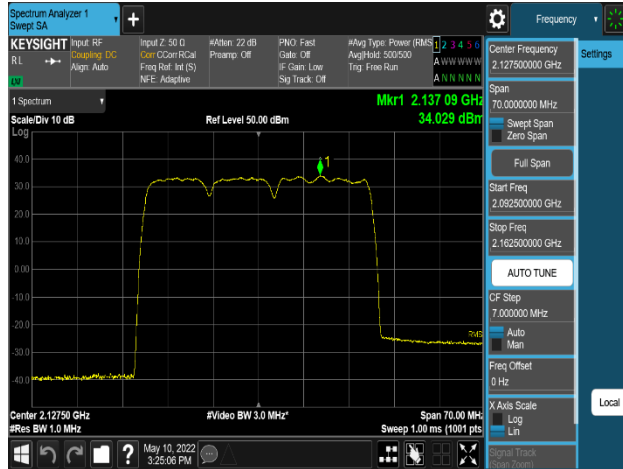


Plot 8-237. Power Spectral Density Plot
(AWS_DSS_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 0)

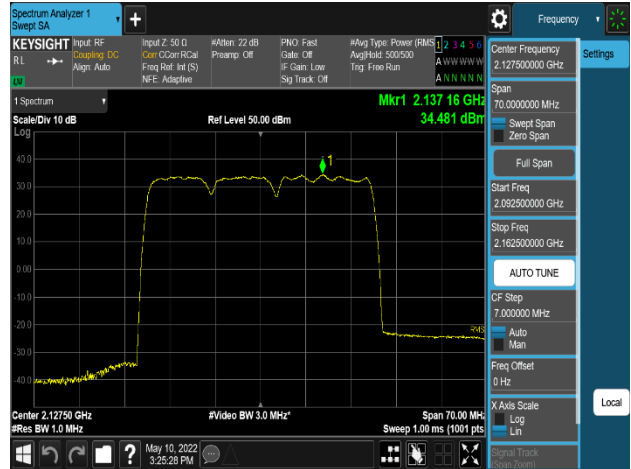


Plot 8-238. Power Spectral Density Plot
(AWS_DSS_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 1)

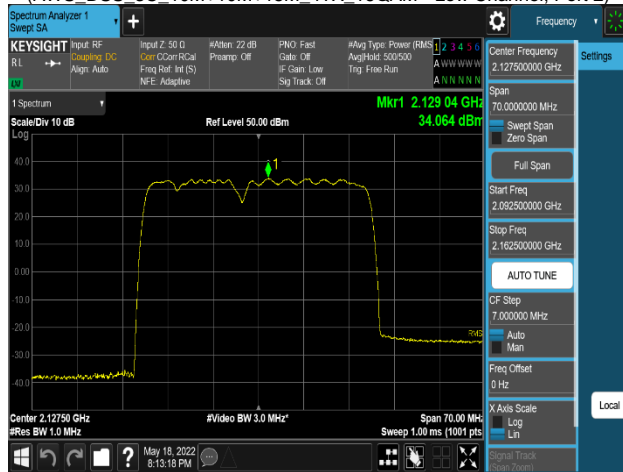
FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)		Page 108 of 270



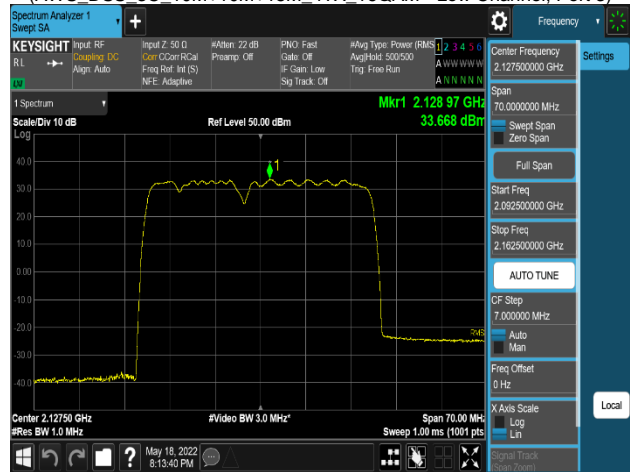
Plot 8-239. Power Spectral Density Plot
(AWS_DSS_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 2)



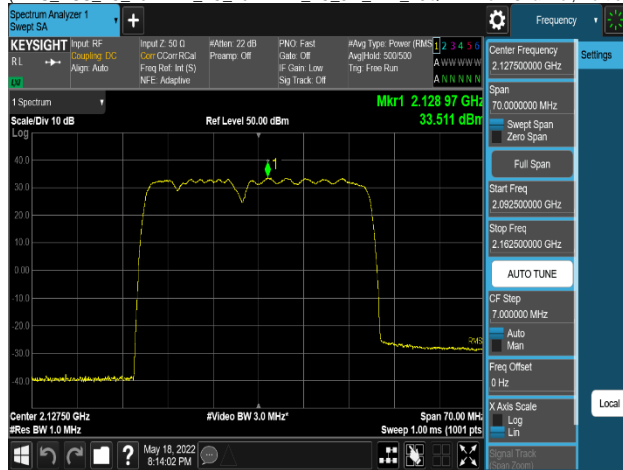
Plot 8-240. Power Spectral Density Plot
(AWS_DSS_3C_10M+10M+15M_4TX_16QAM - Low Channel, Port 3)



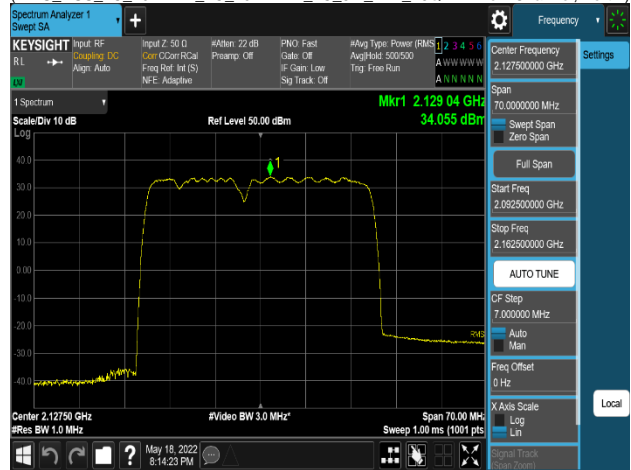
Plot 8-241. Power Spectral Density Plot
(AWS_DSS_1C_20M+NR_1C_10M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 0)



Plot 8-242. Power Spectral Density Plot
(AWS_DSS_1C_20M+NR_1C_10M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 1)

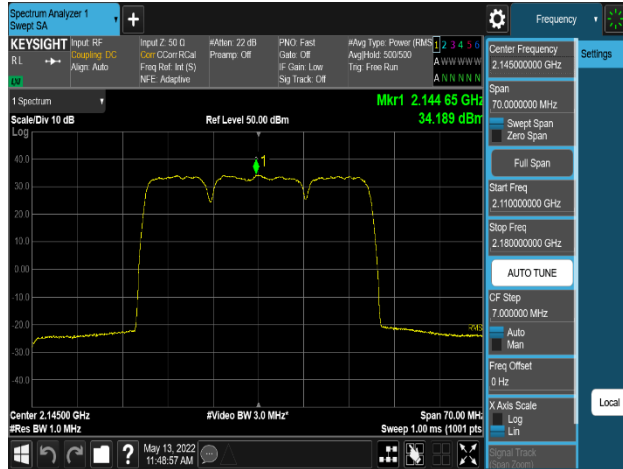


Plot 8-243. Power Spectral Density Plot
(AWS_DSS_1C_20M+NR_1C_10M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 2)

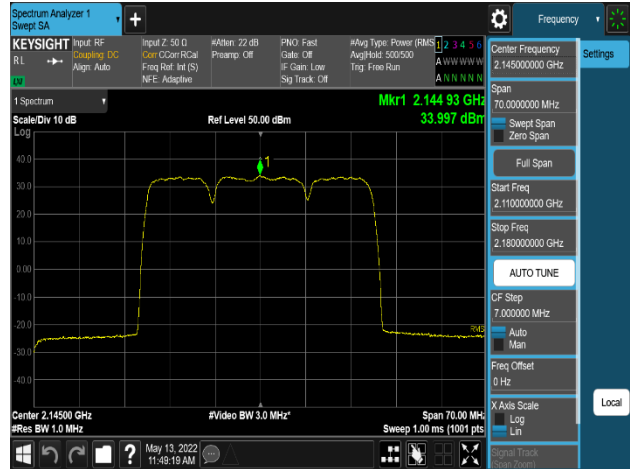


Plot 8-244. Power Spectral Density Plot
(AWS_DSS_1C_20M+NR_1C_10M+LTE_1C_5M_4TX_16QAM - Low Channel, Port 3)

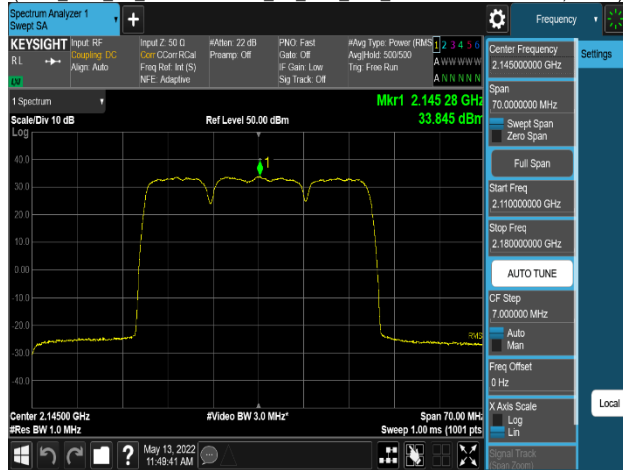
FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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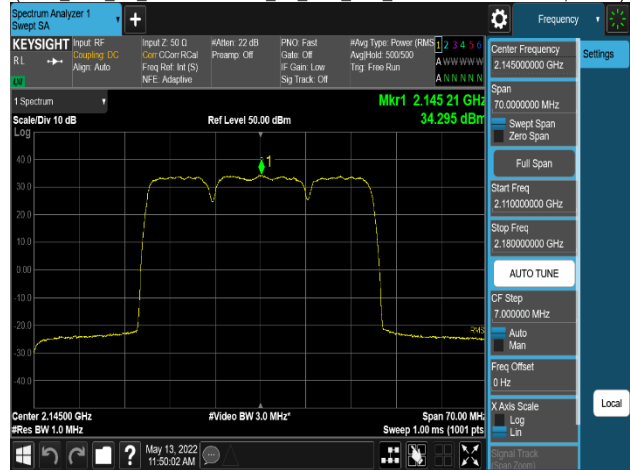
Plot 8-245. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M+LTE_1C_15M_4TX_16QAM - Mid Channel, Port 0)



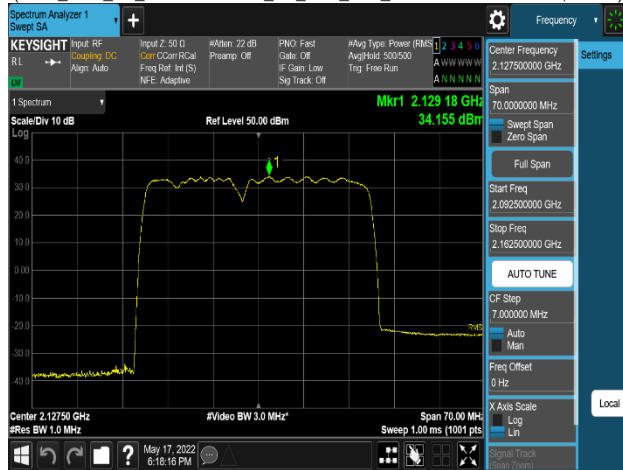
Plot 8-246. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M+LTE_1C_15M_4TX_16QAM - Mid Channel, Port 1)



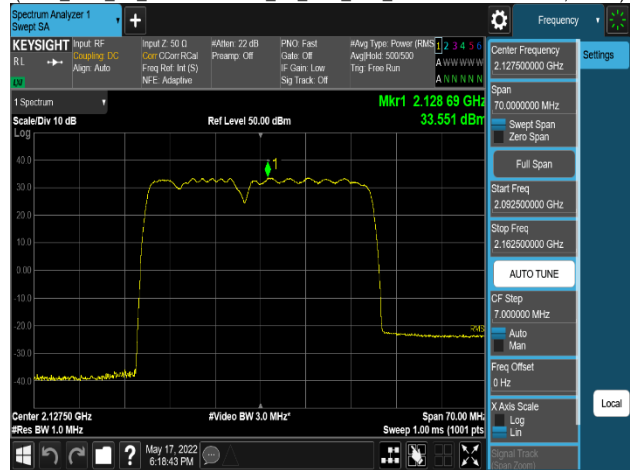
Plot 8-247. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M+LTE_1C_15M_4TX_16QAM - Mid Channel, Port 2)



Plot 8-248. Power Spectral Density Plot
(AWS_DSS_2C_10M+10M+LTE_1C_15M_4TX_16QAM - Mid Channel, Port 3)

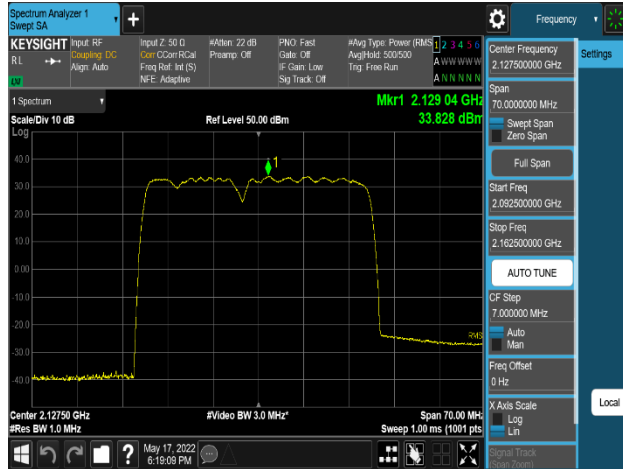


Plot 8-249. Power Spectral Density Plot
(AWS_DSS_1C_20M+NR_2C_10M+5M_4TX_16QAM - Low Channel, Port 0)

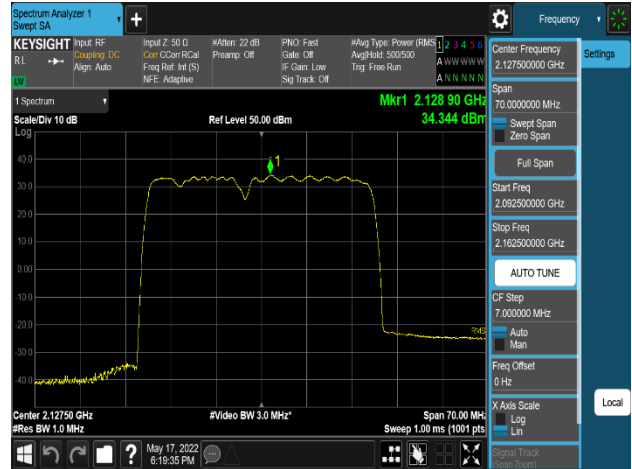


Plot 8-250. Power Spectral Density Plot
(AWS_DSS_1C_20M+NR_2C_10M+5M_4TX_16QAM - Low Channel, Port 1)

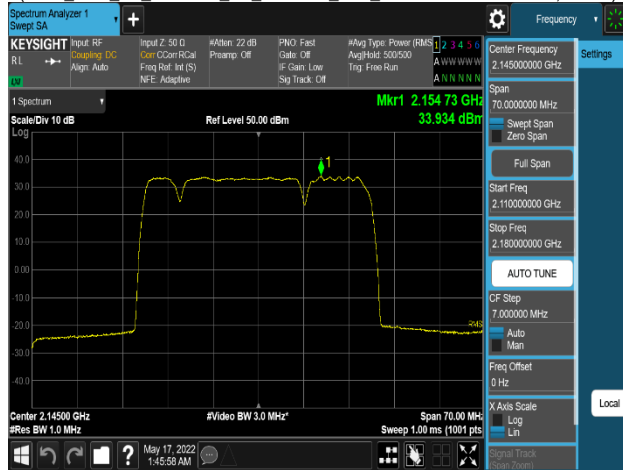
FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Plot 8-251. Power Spectral Density Plot
 (AWS_DSS_1C_20M+NR_2C_10M+5M_4TX_16QAM - Low Channel, Port 2)



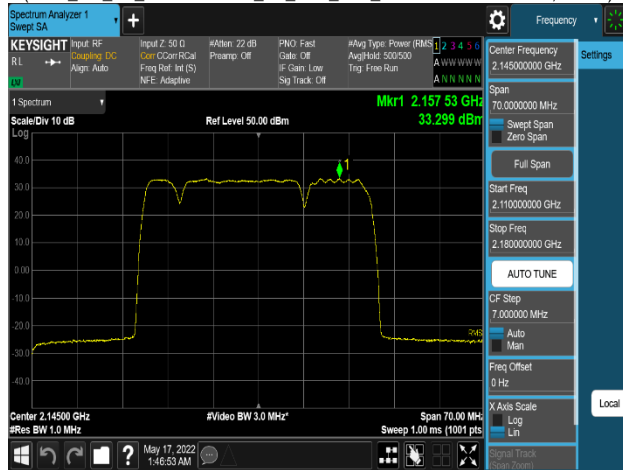
Plot 8-252. Power Spectral Density Plot
 (AWS_DSS_1C_20M+NR_2C_10M+5M_4TX_16QAM - Low Channel, Port 3)



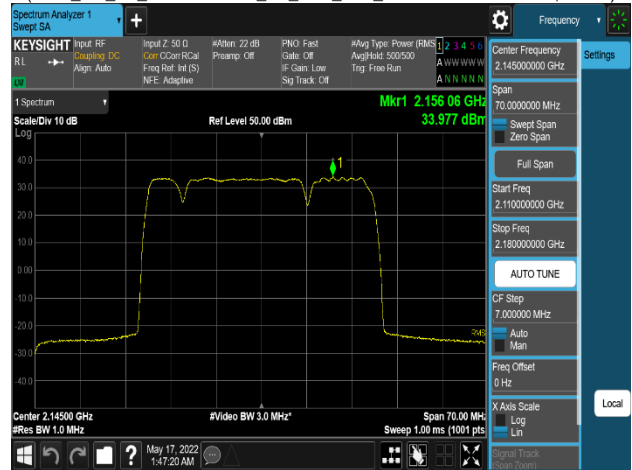
Plot 8-253. Power Spectral Density Plot
 (AWS_NR_2C_5M+10M+LTE_1C_20M_4TX_16QAM - Mid Channel, Port 0)



Plot 8-254. Power Spectral Density Plot
 (AWS_NR_2C_5M+10M+LTE_1C_20M_4TX_16QAM - Mid Channel, Port 1)



Plot 8-255. Power Spectral Density Plot
 (AWS_NR_2C_5M+10M+LTE_1C_20M_4TX_16QAM - Mid Channel, Port 2)



Plot 8-256. Power Spectral Density Plot
 (AWS_NR_2C_5M+10M+LTE_1C_20M_4TX_16QAM - Mid Channel, Port 3)

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8.4 Peak To Average Ratio

Test Overview

The 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

KDB 971168 D01 v03r01 – Section 5.7

ANSI C63.26-2015 – Section 5.2.3.4

Test Setting

The measurement was made using a direct connection between the RF output of the EUT and the spectrum analyzer. The spectrum analyzer setting were as follows:

1. The signal analyzer's CCDF function 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.

Test Setup

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

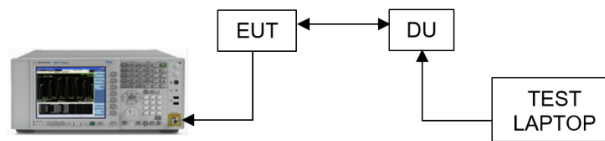




Figure 8-3. Test Instrument & Measurement Setup

Limit

The peak-to-average power ratio (PAPR) limit shall not exceed 13 dB for more than 0.1% of the time.

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Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.48	7.52	7.54	7.50	≤ 13
	1	7.50	7.52	7.55	7.50	
Middle	0	7.51	7.51	7.54	7.50	
	1	7.51	7.53	7.55	7.51	
High	0	7.51	7.51	7.52	7.50	
	1	7.51	7.52	7.54	7.50	

Table 8-92. Peak To Average Power Ratio Summary Data (PCS_NR_1C_5M_2TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.51	7.49	7.50	7.47	≤ 13
	1	7.50	7.52	7.50	7.45	
Middle	0	7.48	7.51	7.50	7.51	
	1	7.50	7.52	7.53	7.52	
High	0	7.50	7.50	7.52	7.49	
	1	7.52	7.52	7.52	7.51	



Table 8-93. Peak To Average Power Ratio Summary Data (PCS_NR_1C_10M_2TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.56	7.54	7.53	7.54	≤ 13
	1	7.56	7.54	7.54	7.54	
Middle	0	7.53	7.53	7.49	7.52	
	1	7.54	7.55	7.51	7.53	
High	0	7.55	7.57	7.54	7.54	
	1	7.56	7.56	7.58	7.55	

Table 8-94. Peak To Average Power Ratio Summary Data (PCS_NR_1C_15M_2TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.58	7.57	7.60	7.60	≤ 13
	1	7.60	7.59	7.59	7.58	
Middle	0	7.53	7.54	7.53	7.53	
	1	7.54	7.55	7.55	7.56	
High	0	7.54	7.53	7.56	7.57	
	1	7.57	7.58	7.57	7.60	

Table 8-95. Peak To Average Power Ratio Summary Data (PCS_NR_1C_20M_2TX)



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Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)	
			QPSK	16QAM	64QAM	256QAM		
Low	LTE: 9 NR: 1	0	7.84	7.84	7.81	7.88	≤ 13	
		1	7.93	7.93	7.88	7.96		
Middle		0	7.93	7.95	7.97	7.98		
		1	7.96	7.99	7.98	8.00		
High		0	7.91	7.89	7.94	7.93		
		1	7.94	7.94	7.97	7.98		
Low		LTE: 5 NR: 5	0	7.80	7.83	7.79		7.85
			1	7.89	7.89	7.86		7.89
Middle	0		7.91	7.91	7.89	7.92		
	1		7.95	7.94	7.95	7.98		
High	0		7.87	7.87	7.87	7.89		
	1		7.91	7.92	7.92	7.93		
Low	LTE: 2 NR: 8		0	7.78	7.78	7.77		7.83
			1	7.84	7.84	7.86		7.86
Middle		0	7.85	7.88	7.86	7.90		
		1	7.87	7.90	7.91	7.93		
High		0	7.83	7.85	7.83	7.86		
		1	7.88	7.88	7.86	7.90		

Table 8-96. Peak To Average Power Ratio Summary Data (PCS_DSS_1C_15M_2TX)



Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)	
			QPSK	16QAM	64QAM	256QAM		
Low	LTE: 9 NR: 1	0	7.92	7.88	7.92	7.89	≤ 13	
		1	7.98	7.97	7.97	7.95		
Middle		0	7.97	7.94	7.99	7.95		
		1	8.02	8.03	8.03	8.02		
High		0	7.93	7.93	7.98	7.93		
		1	7.98	7.93	7.98	7.93		
Low		LTE: 5 NR: 5	0	7.89	7.84	7.87		7.86
			1	7.90	7.91	7.91		7.93
Middle	0		7.89	7.92	7.95	7.91		
	1		7.90	7.94	7.96	7.95		
High	0		7.89	7.92	7.92	7.89		
	1		7.91	7.90	7.93	7.94		
Low	LTE: 2 NR: 8		0	7.83	7.81	7.83		7.82
			1	7.89	7.87	7.89		7.89
Middle		0	7.89	7.87	7.89	7.88		
		1	7.90	7.90	7.90	7.91		
High		0	7.88	7.86	7.86	7.85		
		1	7.91	7.89	7.86	7.87		

Table 8-97. Peak To Average Power Ratio Summary Data (PCS_DSS_1C_20M_2TX)

FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	PAPR (dB)			Limit (dB)
	Configuration	QPSK	16QAM	
Middle	NR_2C_5M + 5M	7.85	7.88	≤ 13
	NR_1C_5M + LTE_1C_5M	7.86	7.85	
	DSS_1C_10M + NR_1C_5M	7.89	7.89	
	DSS_2C_10M + 10M	7.92	7.87	
	NR_2C_10M + 15M	7.87	7.87	
	DSS_2C_10M + 15M	7.93	7.92	
	DSS_1C_20M + LTE_1C_5M	7.91	7.92	
	DSS_1C_20M + NR_1C_5M	7.91	7.88	
	NR_1C_20M + LTE_1C_5M	7.85	7.86	

Table 8-98. Peak To Average Power Ratio Summary Data (PCS_Multi Carrier_2TX)

FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.61	7.65	7.61	7.64	≤ 13
	1	7.63	7.65	7.66	7.65	
Middle	0	7.57	7.57	7.56	7.58	
	1	7.57	7.57	7.57	7.57	
High	0	7.55	7.56	7.54	7.56	
	1	7.55	7.56	7.56	7.55	

Table 8-99. Peak To Average Power Ratio Summary Data (AWS_NR_1C_5M_2TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.68	7.71	7.67	7.71	≤ 13
	1	7.73	7.71	7.69	7.75	
Middle	0	7.57	7.57	7.57	7.57	
	1	7.57	7.56	7.57	7.58	
High	0	7.56	7.57	7.55	7.57	
	1	7.56	7.56	7.56	7.56	



Table 8-100. Peak To Average Power Ratio Summary Data (AWS_NR_1C_10M_2TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.71	7.71	7.71	7.72	≤ 13
	1	7.72	7.74	7.73	7.73	
Middle	0	7.57	7.57	7.56	7.56	
	1	7.56	7.55	7.57	7.55	
High	0	7.57	7.55	7.55	7.55	
	1	7.56	7.54	7.55	7.55	

Table 8-101. Peak To Average Power Ratio Summary Data (AWS_NR_1C_15M_2TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.71	7.74	7.73	7.79	≤ 13
	1	7.75	7.76	7.75	7.80	
Middle	0	7.54	7.56	7.56	7.57	
	1	7.55	7.55	7.57	7.57	
High	0	7.55	7.57	7.56	7.57	
	1	7.55	7.57	7.55	7.57	

Table 8-102. Peak To Average Power Ratio Summary Data (AWS_NR_1C_20M_2TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)
			QPSK	16QAM	64QAM	256QAM	
Low	LTE: 9 NR: 1	0	8.01	8.02	7.98	8.00	≤ 13
		1	8.02	8.01	8.01	8.02	
Middle		0	8.02	8.03	8.01	8.04	
		1	8.01	8.04	8.01	8.04	
High		0	8.02	8.03	8.01	8.02	
		1	8.01	8.02	8.00	8.03	
Low	LTE: 5 NR: 5	0	7.99	8.00	7.98	7.99	
		1	7.96	8.02	7.98	8.00	
Middle		0	7.97	8.02	7.98	7.97	
		1	7.98	8.01	7.98	7.97	
High		0	8.00	7.99	7.97	7.97	
		1	7.98	7.99	7.97	7.97	
Low	LTE: 2 NR: 8	0	7.95	8.00	7.98	7.94	
		1	7.98	7.99	8.00	7.95	
Middle		0	7.95	7.96	7.96	7.94	
		1	7.94	7.97	7.97	7.97	
High		0	7.94	7.95	7.95	7.93	
		1	7.94	7.93	7.96	7.93	

Table 8-103. Peak To Average Power Ratio Summary Data (AWS_DSS_1C_15M_2TX)



Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)
			QPSK	16QAM	64QAM	256QAM	
Low	LTE: 9 NR: 1	0	8.02	8.03	8.03	8.06	≤ 13
		1	8.02	8.04	8.03	8.04	
Middle		0	8.02	8.05	8.03	8.04	
		1	8.03	8.05	8.02	8.04	
High		0	8.02	8.03	8.03	8.03	
		1	8.02	8.03	8.03	8.02	
Low	LTE: 5 NR: 5	0	8.01	8.02	8.01	7.99	
		1	8.02	8.03	8.03	7.99	
Middle		0	7.98	7.95	8.00	7.98	
		1	7.99	7.98	8.01	7.97	
High		0	8.00	7.97	7.98	7.97	
		1	7.99	7.96	7.99	7.96	
Low	LTE: 2 NR: 8	0	8.00	8.01	8.00	7.94	
		1	7.99	8.00	7.99	7.93	
Middle		0	7.96	7.90	7.95	7.90	
		1	7.94	7.92	7.95	7.92	
High		0	7.93	7.92	7.93	7.90	
		1	7.94	7.90	7.94	7.91	

Table 8-104. Peak To Average Power Ratio Summary Data (AWS_DSS_1C_20M_2TX)

FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	PAPR (dB)			Limit (dB)
	Configuration	QPSK	16QAM	
Middle	NR_2C_5M + 5M	7.91	7.91	≤ 13
	NR_1C_5M + LTE_1C_5M	7.89	7.91	
	DSS_1C_10M + NR_1C_5M	7.42	7.41	
	DSS_2C_10M + 10M	7.94	7.95	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	7.93	7.95	
	NR_3C_10M + 10M +15M	7.41	7.40	
	DSS_3C_10M + 10M +15M	7.98	7.96	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	7.95	7.92	
	DSS_2C_10M + 10M + LTE_1C_15M	7.93	7.94	
	DSS_1C_20M + NR_2C_10M + 5M	7.92	7.95	
	NR_2C_5M + 10M + LTE_1C_20M	7.42	7.43	

Table 8-105. Peak To Average Power Ratio Summary Data (AWS_Multi Carrier_2TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.50	7.51	7.54	7.51	≤ 13
	1	7.52	7.53	7.56	7.51	
	2	7.54	7.54	7.58	7.55	
	3	7.56	7.55	7.59	7.54	
Middle	0	7.52	7.52	7.52	7.50	
	1	7.52	7.52	7.54	7.51	
	2	7.55	7.55	7.56	7.52	
	3	7.57	7.55	7.59	7.54	
High	0	7.52	7.52	7.54	7.49	
	1	7.54	7.53	7.53	7.50	
	2	7.54	7.54	7.57	7.52	
	3	7.56	7.56	7.57	7.53	

Table 8-106. Peak To Average Power Ratio Summary Data (PCS_NR_1C_5M_4TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.53	7.53	7.51	7.52	≤ 13
	1	7.52	7.52	7.53	7.53	
	2	7.56	7.55	7.53	7.54	
	3	7.54	7.53	7.55	7.55	
Middle	0	7.52	7.52	7.52	7.52	
	1	7.54	7.53	7.53	7.52	
	2	7.55	7.55	7.56	7.55	
	3	7.54	7.55	7.56	7.55	
High	0	7.54	7.52	7.52	7.52	
	1	7.53	7.54	7.55	7.51	
	2	7.57	7.56	7.55	7.53	
	3	7.57	7.55	7.56	7.53	

Table 8-107. Peak To Average Power Ratio Summary Data (PCS_NR_1C_10M_4TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)	Page 119 of 270	

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.56	7.57	7.53	7.56	≤ 13
	1	7.56	7.56	7.54	7.55	
	2	7.58	7.61	7.57	7.59	
	3	7.58	7.58	7.56	7.57	
Middle	0	7.55	7.53	7.54	7.53	
	1	7.54	7.55	7.55	7.54	
	2	7.56	7.57	7.59	7.56	
	3	7.57	7.57	7.57	7.56	
High	0	7.56	7.56	7.57	7.53	
	1	7.55	7.56	7.56	7.56	
	2	7.58	7.59	7.59	7.55	
	3	7.59	7.59	7.59	7.57	

Table 8-108. Peak To Average Power Ratio Summary Data (PCS_NR_1C_15M_4TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.60	7.62	7.62	7.60	≤ 13
	1	7.59	7.61	7.61	7.60	
	2	7.64	7.64	7.63	7.61	
	3	7.64	7.64	7.65	7.63	
Middle	0	7.54	7.55	7.55	7.55	
	1	7.54	7.56	7.56	7.56	
	2	7.58	7.59	7.59	7.58	
	3	7.57	7.59	7.58	7.58	
High	0	7.58	7.54	7.57	7.59	
	1	7.58	7.59	7.58	7.58	
	2	7.59	7.59	7.60	7.60	
	3	7.59	7.60	7.60	7.61	

Table 8-109. Peak To Average Power Ratio Summary Data (PCS_NR_1C_20M_4TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)
			QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	7.90	7.91	7.94	7.92	≤ 13
		1	7.92	7.93	7.94	7.93	
		2	7.94	7.95	7.96	7.96	
		3	7.93	7.94	7.96	7.95	
Middle		0	7.93	7.94	7.97	7.96	
		1	7.94	7.96	7.95	7.95	
		2	7.96	7.98	7.99	7.97	
		3	7.97	7.97	7.99	7.99	
High		0	7.91	7.93	7.95	7.93	
		1	7.93	7.92	7.94	7.95	
		2	7.97	7.95	7.98	7.97	
		3	7.95	7.97	7.96	7.96	

Table 8-110. Peak To Average Power Ratio Summary Data (PCS_DSS_1C_15M_4TX)



Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)
			QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	7.93	7.93	7.94	7.93	≤ 13
		1	7.91	7.93	7.94	7.94	
		2	7.97	7.96	7.96	7.94	
		3	7.95	7.94	7.95	7.97	
Middle		0	7.95	7.95	7.96	7.96	
		1	7.95	7.95	7.96	7.96	
		2	7.98	7.98	7.99	7.99	
		3	7.99	7.98	7.98	7.99	
High		0	7.90	7.93	7.93	7.92	
		1	7.90	7.93	7.95	7.94	
		2	7.94	7.97	7.97	7.97	
		3	7.93	7.94	7.97	7.96	

Table 8-111. Peak To Average Power Ratio Summary Data (PCS_DSS_1C_20M_4TX)

FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	PAPR (dB)			Limit (dB)
	Configuration	QPSK	16QAM	
Middle	NR_2C_5M + 5M	7.87	7.90	≤ 13
	NR_1C_5M + LTE_1C_5M	7.88	7.88	
	DSS_1C_10M + NR_1C_5M	7.93	7.93	
	DSS_2C_10M + 10M	7.96	7.94	
	NR_2C_10M + 15M	7.87	7.88	
	DSS_2C_10M + 15M	7.94	7.93	
	DSS_1C_20M + LTE_1C_5M	7.95	7.94	
	DSS_1C_20M + NR_1C_5M	7.94	7.94	
	NR_1C_20M + LTE_1C_5M	7.89	7.88	

Table 8-112. Peak To Average Power Ratio Summary Data (PCS_ Multi Carrier_4TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.56	7.65	7.62	7.64	≤ 13
	1	7.61	7.63	7.67	7.64	
	2	7.56	7.63	7.60	7.65	
	3	7.57	7.62	7.61	7.62	
Middle	0	7.58	7.56	7.58	7.61	
	1	7.57	7.52	7.57	7.59	
	2	7.55	7.54	7.54	7.58	
	3	7.54	7.53	7.53	7.54	
High	0	7.57	7.56	7.55	7.56	
	1	7.55	7.54	7.54	7.57	
	2	7.53	7.53	7.49	7.54	
	3	7.53	7.51	7.50	7.54	

Table 8-113. Peak To Average Power Ratio Summary Data (AWS_NR_1C_5M_4TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.70	7.69	7.66	7.73	≤ 13
	1	7.70	7.70	7.67	7.73	
	2	7.67	7.70	7.65	7.73	
	3	7.68	7.69	7.67	7.72	
Middle	0	7.57	7.57	7.56	7.58	
	1	7.56	7.56	7.56	7.58	
	2	7.55	7.55	7.55	7.57	
	3	7.53	7.53	7.54	7.57	
High	0	7.57	7.56	7.56	7.59	
	1	7.56	7.55	7.56	7.58	
	2	7.53	7.54	7.54	7.56	
	3	7.54	7.53	7.53	7.55	

Table 8-114. Peak To Average Power Ratio Summary Data (AWS_NR_1C_10M_4TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.73	7.72	7.73	7.72	≤ 13
	1	7.75	7.72	7.73	7.73	
	2	7.71	7.71	7.72	7.71	
	3	7.71	7.73	7.72	7.72	
Middle	0	7.57	7.57	7.56	7.57	
	1	7.56	7.56	7.55	7.56	
	2	7.55	7.54	7.53	7.54	
	3	7.54	7.53	7.54	7.53	
High	0	7.56	7.55	7.56	7.56	
	1	7.56	7.55	7.54	7.55	
	2	7.53	7.52	7.04	7.53	
	3	7.53	7.51	7.52	7.52	

Table 8-115. Peak To Average Power Ratio Summary Data (AWS_NR_1C_15M_4TX)

Channel	Port	PAPR (dB)				Limit (dB)
		QPSK	16QAM	64QAM	256QAM	
Low	0	7.72	7.75	7.75	7.79	≤ 13
	1	7.75	7.77	7.75	7.80	
	2	7.72	7.75	7.75	7.78	
	3	7.73	7.77	7.74	7.78	
Middle	0	7.57	7.57	7.57	7.58	
	1	7.56	7.63	7.57	7.58	
	2	7.53	7.54	7.55	7.56	
	3	7.53	7.53	7.54	7.55	
High	0	7.56	7.56	7.57	7.55	
	1	7.56	7.55	7.55	7.56	
	2	7.53	7.53	7.54	7.53	
	3	7.53	7.53	7.53	7.53	

Table 8-116. Peak To Average Power Ratio Summary Data (AWS_NR_1C_20M_4TX)



FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
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Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)
			QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	7.97	8.02	8.00	7.98	≤ 13
		1	7.98	8.03	8.00	7.99	
		2	7.94	8.00	7.97	7.96	
		3	7.96	8.00	7.98	7.96	
Middle		0	7.97	7.96	8.00	7.99	
		1	7.99	7.97	8.00	7.98	
		2	7.94	7.93	7.96	7.95	
High		3	7.92	7.96	7.94	7.95	
		0	7.99	7.99	7.98	7.96	
		1	7.99	8.02	7.98	7.97	
		2	7.98	7.94	7.95	7.95	
			3	7.95	7.95	7.96	

Table 8-117. Peak To Average Power Ratio Summary Data (AWS_DSS_1C_15M_4TX)



Channel	DSS Ratio	Port	PAPR (dB)				Limit (dB)
			QPSK	16QAM	64QAM	256QAM	
Low	LTE: 5 NR: 5	0	8.02	8.00	8.01	7.98	≤ 13
		1	8.01	8.01	8.00	8.00	
		2	7.98	7.99	8.00	7.95	
		3	7.99	7.97	7.99	7.98	
Middle		0	8.02	7.98	8.00	7.98	
		1	8.00	7.98	8.01	7.97	
		2	7.98	7.96	7.97	7.95	
High		3	7.96	7.95	7.96	7.93	
		0	8.00	7.95	8.01	7.99	
		1	8.00	7.97	8.01	8.00	
		2	7.98	7.94	7.97	7.95	
			3	7.98	7.94	7.95	

Table 8-118. Peak To Average Power Ratio Summary Data (AWS_DSS_1C_20M_4TX)

FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)	Page 125 of 270	

Channel	PAPR (dB)			Limit (dB)
	Configuration	QPSK	16QAM	
Middle	NR_2C_5M + 5M	7.92	7.88	≤ 13
	NR_1C_5M + LTE_1C_5M	7.89	7.88	
	DSS_1C_10M + NR_1C_5M	7.44	7.44	
	DSS_2C_10M + 10M	7.95	7.96	
	DSS_1C_10M + NR_1C_5M + LTE_1C_5M	7.94	7.94	
	NR_3C_10M + 10M +15M	7.52	7.56	
	DSS_3C_10M + 10M +15M	7.98	7.99	
	DSS_1C_20M + NR_1C_10M + LTE_1C_5M	7.95	7.94	
	DSS_2C_10M + 10M + LTE_1C_15M	7.93	7.93	
	DSS_1C_20M + NR_2C_10M + 5M	7.95	7.95	
	NR_2C_5M + 10M + LTE_1C_20M	7.43	7.42	

Table 8-119. Peak To Average Power Ratio Summary Data (AWS_Multi Carrier_4TX)

FCC ID: A3LRFV01U-D1A		MEASUREMENT REPORT (Class II Permissive Change)		Approved by: Technical Manager
Test Report S/N: 8K22040101-00-R3.A3L	Test Dates: 04/25/2022 - 07/03/2022	EUT Type: RRU(RFV01U)	Page 126 of 270	