

n77, Channel Bandwidth 70MHz

Channel 649000 (3735.00MHz)	QPSK	1 RB / 0 RB Offset	Channel 663000 (3945.00MHz)	QPSK	1 RB / 188 RB Offset
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Channel 649000 (3735.00MHz)	QPSK	189 RB / 0 RB Offset	Channel 663000 (3945.00MHz)	QPSK	189 RB / 0 RB Offset
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n77, Channel Bandwidth 80MHz

Channel 649334 (3740.01MHz)	QPSK	1 RB / 0 RB Offset	Channel 662666 (3939.99MHz)	QPSK	1 RB / 216 RB Offset
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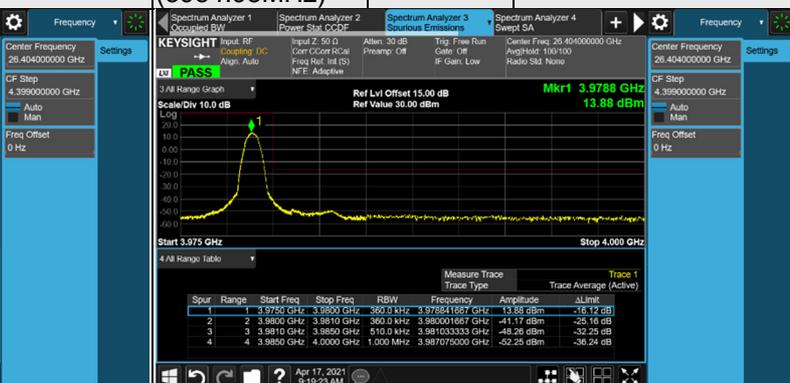


Channel 649334 (3740.01MHz)	QPSK	217 RB / 0 RB Offset	Channel 662666 (3939.99MHz)	QPSK	217 RB / 0 RB Offset
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n77, Channel Bandwidth 90MHz

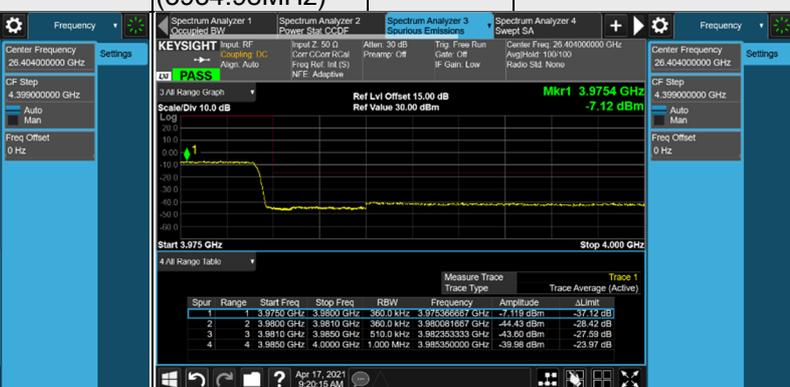
Channel 649668 (3745.02MHz)	QPSK	1 RB / 0 RB Offset	Channel 662332 (3934.98MHz)	QPSK	1 RB / 244 RB Offset
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Channel 649668 (3745.02MHz)	QPSK	245 RB / 0 RB Offset
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Channel 662332 (3934.98MHz)	QPSK	245 RB / 0 RB Offset
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n77, Channel Bandwidth 100MHz

Channel 650000
(3750.00MHz)

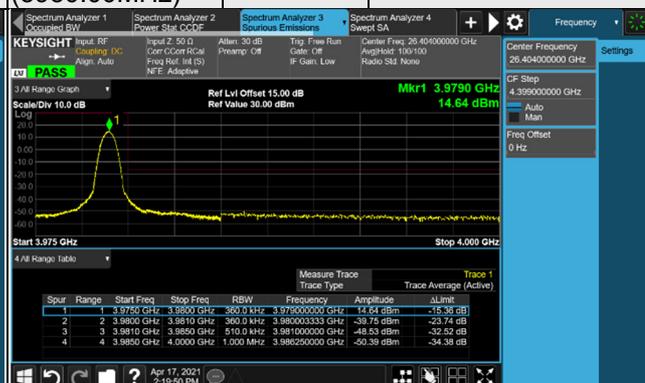
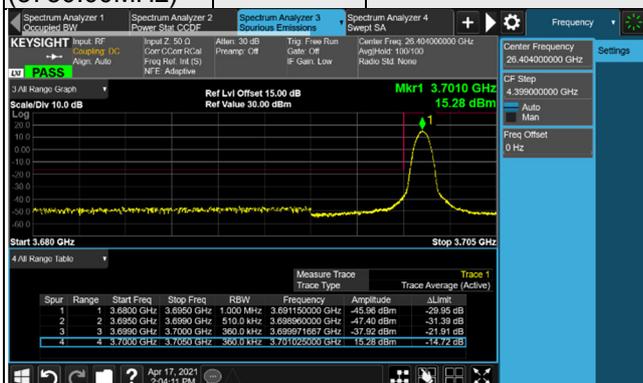
QPSK

1 RB / 0 RB Offset

Channel 662000
(3930.00MHz)

QPSK

1 RB / 272 RB Offset



Channel 650000
(3750.00MHz)

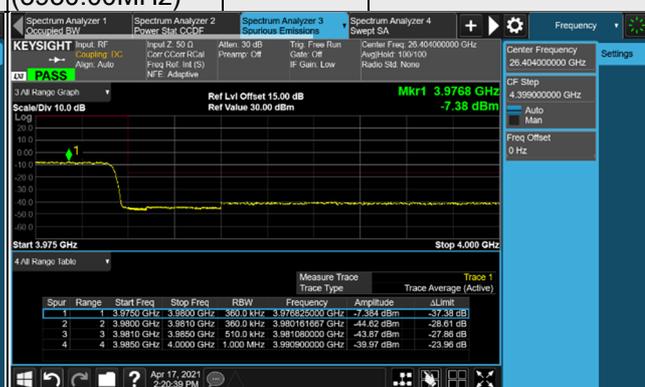
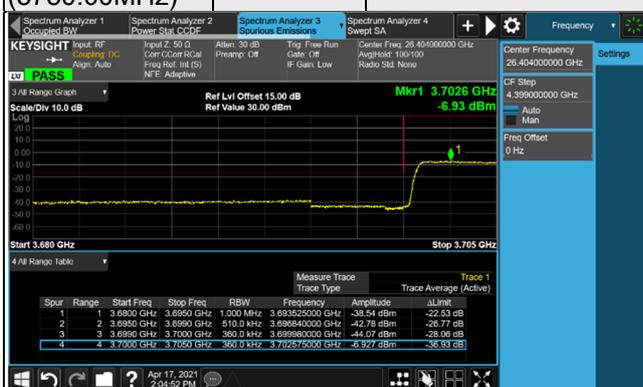
QPSK

273 RB / 0 RB Offset

Channel 662000
(3930.00MHz)

QPSK

273 RB / 0 RB Offset

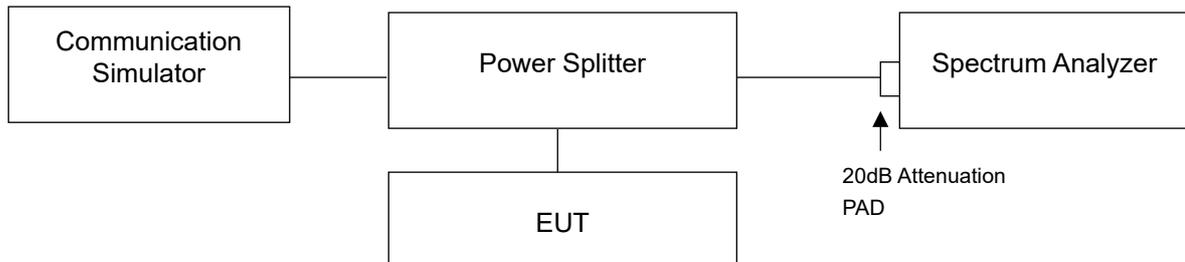


4.6 Peak to Average Ratio

4.6.1 Limits of Peak to Average Ratio Measurement

In measuring transmissions in this band using an average power technique, the peak to-average ratio (PAR) of the transmission may not exceed 13 dB

4.6.2 Test Setup



4.6.3 Test Procedures

- Set resolution/measurement bandwidth \geq signal's occupied bandwidth;
- Set the number of counts to a value that stabilizes the measured CCDF curve;
- Record the maximum PAPR level associated with a probability of 0.1%.

4.6.4 Test Results

n41, Chain 0

n41, Channel Bandwidth 20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
501204	2506.02	6.89	7.44	8.43	9.77
518598	2592.99	6.85	7.24	8.37	9.77
535998	2679.99	7.10	7.82	8.80	10.04
n41, Channel Bandwidth 30MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
502200	2511.00	6.67	7.16	8.12	9.38
518598	2592.99	6.78	7.38	8.33	9.73
534996	2674.98	7.11	7.60	8.73	9.83
n41, Channel Bandwidth 40MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
503202	2516.01	6.26	6.85	7.89	9.19
518598	2592.99	6.53	7.10	8.14	9.48
534000	2670.00	6.75	7.49	8.54	9.81
n41, Channel Bandwidth 50MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
504204	2521.02	6.31	6.85	7.78	9.44
518598	2592.99	6.26	6.94	7.76	9.31
532998	2664.99	6.34	7.04	7.57	9.38
n41, Channel Bandwidth 60MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
505200	2526.00	6.35	6.69	7.70	9.64
518598	2592.99	6.35	6.79	7.72	9.32
531996	2659.98	6.27	6.66	7.71	9.31

n41, Channel Bandwidth 80MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
507204	2536.02	6.42	6.76	7.84	9.60
518598	2592.99	6.28	6.75	7.48	9.03
529998	2649.99	6.28	6.55	7.49	9.18
n41, Channel Bandwidth 90MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
508200	2541.00	6.40	6.90	8.28	9.54
518598	2592.99	6.00	6.50	7.84	8.89
528996	2644.98	5.83	6.35	7.78	9.19
n41, Channel Bandwidth 100MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
509202	2546.01	6.36	6.71	8.47	9.39
518598	2592.99	5.97	6.43	8.09	8.88
528000	2640.00	5.98	6.39	7.86	9.10

Spectrum Plot of Worst Value

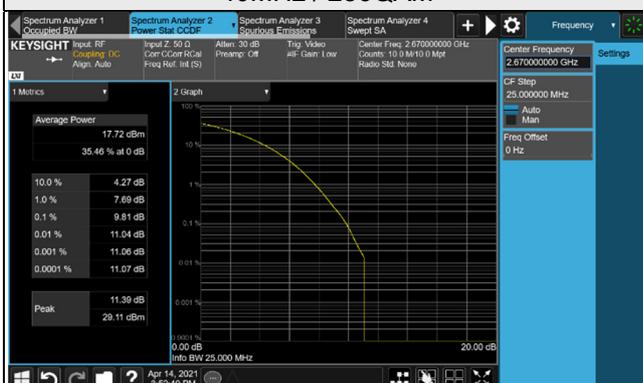
20MHz / 256QAM



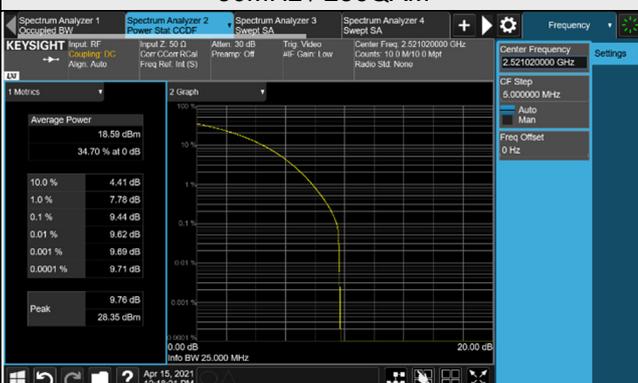
30MHz / 256QAM



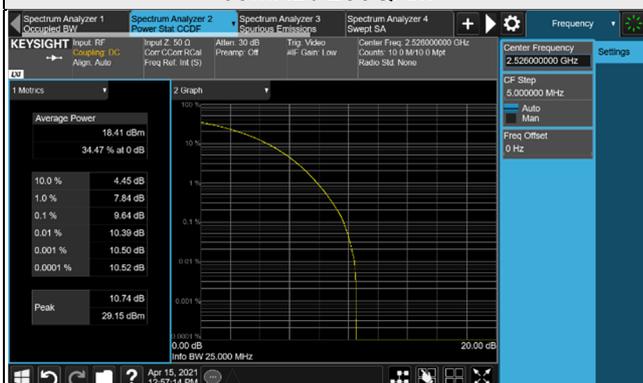
40MHz / 256QAM



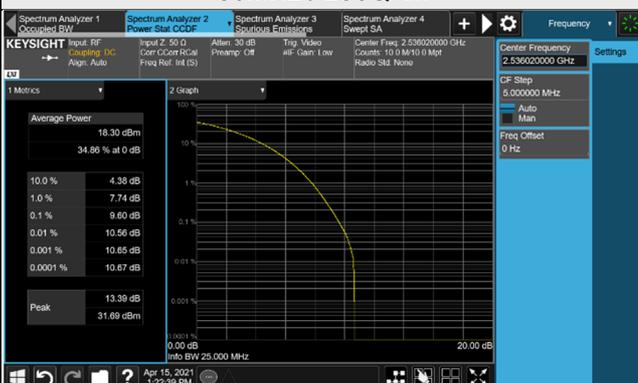
50MHz / 256QAM



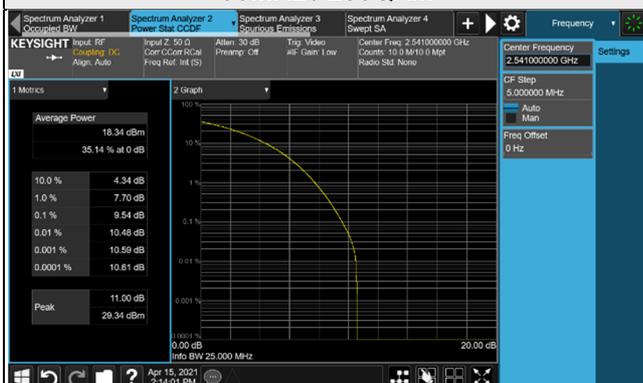
60MHz / 256QAM



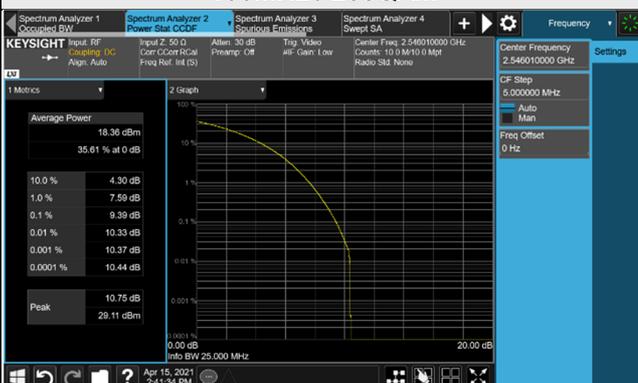
80MHz / 256QAM



90MHz / 256QAM



100MHz / 256QAM



n41, Chain 1

n41, Channel Bandwidth 20MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
501204	2506.02	6.60	7.03	8.12	9.60
518598	2592.99	8.15	8.21	8.61	9.96
535998	2679.99	7.58	7.56	8.00	9.84
n41, Channel Bandwidth 30MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
502200	2511.00	6.58	7.25	8.11	9.62
518598	2592.99	6.76	7.30	8.24	9.71
534996	2674.98	6.29	6.90	7.84	9.03
n41, Channel Bandwidth 40MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
503202	2516.01	6.36	7.01	7.90	9.34
518598	2592.99	6.57	7.15	8.29	9.72
534000	2670.00	6.24	6.89	7.69	9.04
n41, Channel Bandwidth 50MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
504204	2521.02	6.24	6.98	7.67	9.36
518598	2592.99	6.57	7.28	8.21	9.84
532998	2664.99	6.26	6.93	7.69	9.16
n41, Channel Bandwidth 60MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
505200	2526.00	6.61	6.87	7.86	9.39
518598	2592.99	6.83	7.41	8.42	9.98
531996	2659.98	6.68	7.02	7.83	9.43

n41, Channel Bandwidth 80MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
507204	2536.02	6.91	7.08	8.64	9.71
518598	2592.99	6.25	6.70	7.71	9.35
529998	2649.99	5.99	6.32	7.11	8.98
n41, Channel Bandwidth 90MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
508200	2541.00	6.51	7.07	8.47	9.59
518598	2592.99	6.26	6.71	8.05	9.41
528996	2644.98	5.73	6.22	7.86	9.21
n41, Channel Bandwidth 100MHz					
Channel	Frequency (MHz)	Peak To Average Ratio (dB)			
		QPSK	16QAM	64QAM	256QAM
509202	2546.01	6.55	7.01	8.38	9.47
518598	2592.99	6.23	6.60	8.23	9.37
528000	2640.00	5.86	6.31	7.71	9.16