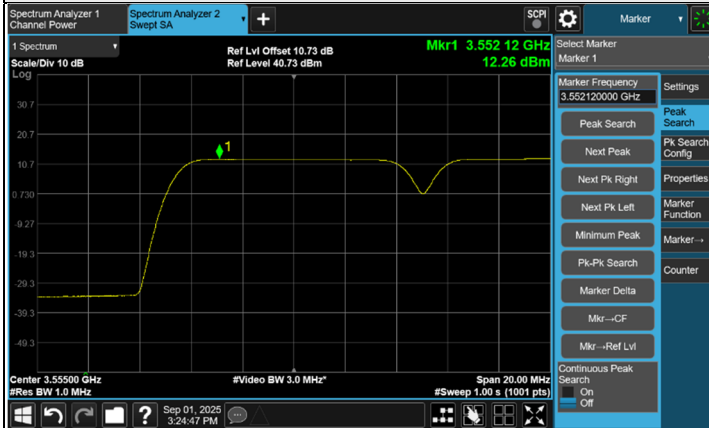


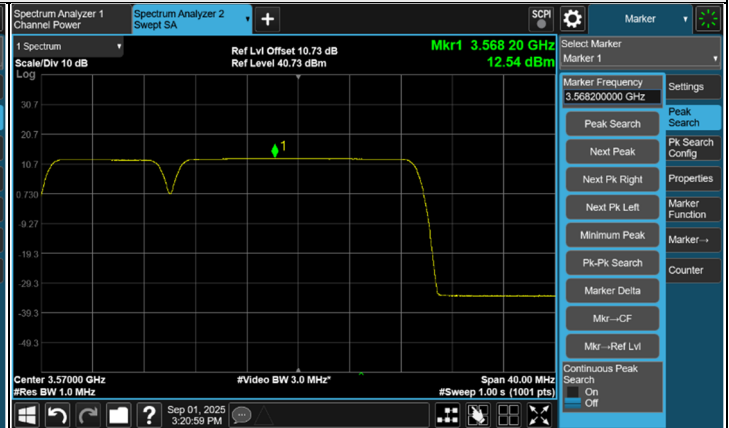
Spectrum Plot of Worst Value

10M+20M QPSK CH 637000 + CH 638000 (3555 MHz + 3570 MHz)

Ant.0

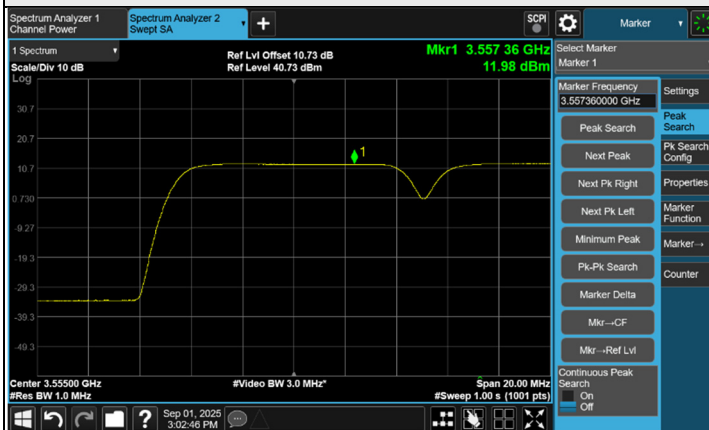


CH 637000 (3555 MHz)

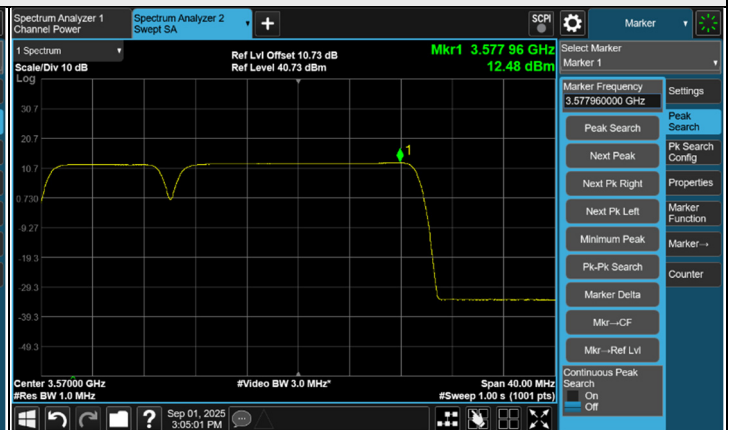


CH 638000 (3570 MHz)

Ant.1

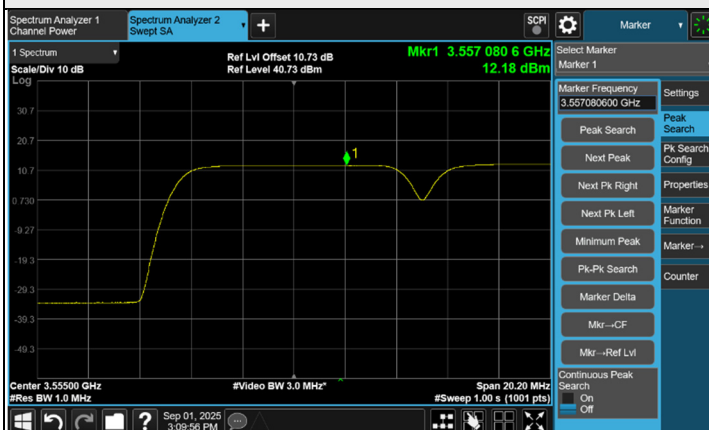


CH 637000 (3555 MHz)

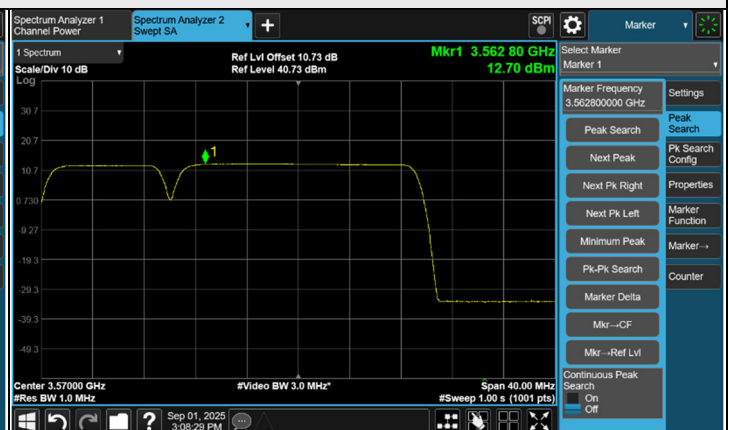


CH 638000 (3570 MHz)

Ant.2

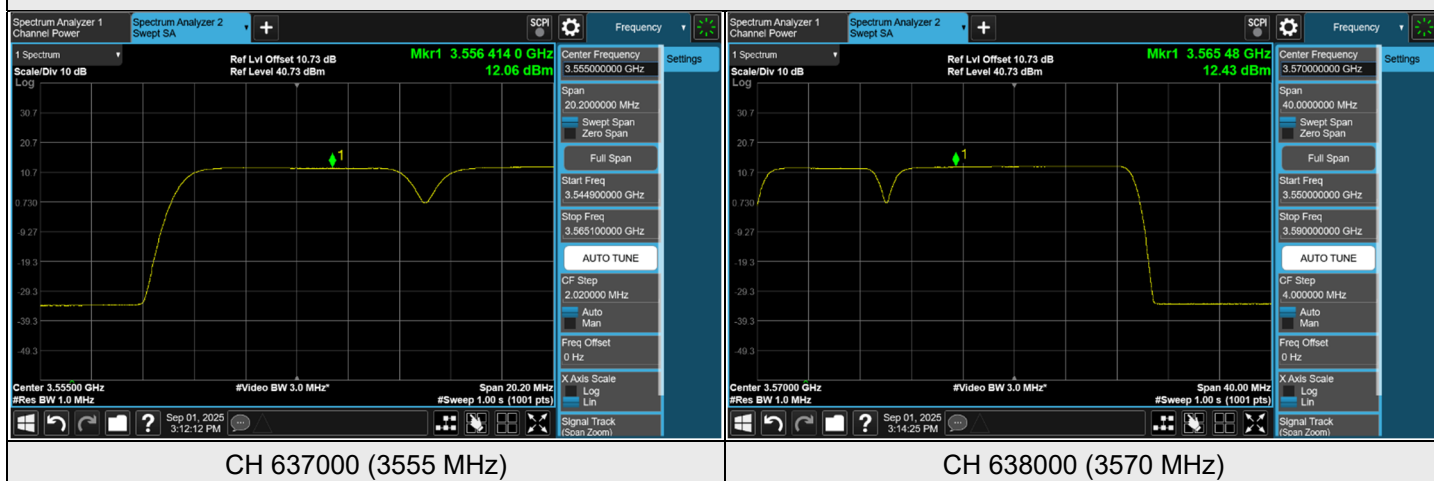


CH 637000 (3555 MHz)



CH 638000 (3570 MHz)

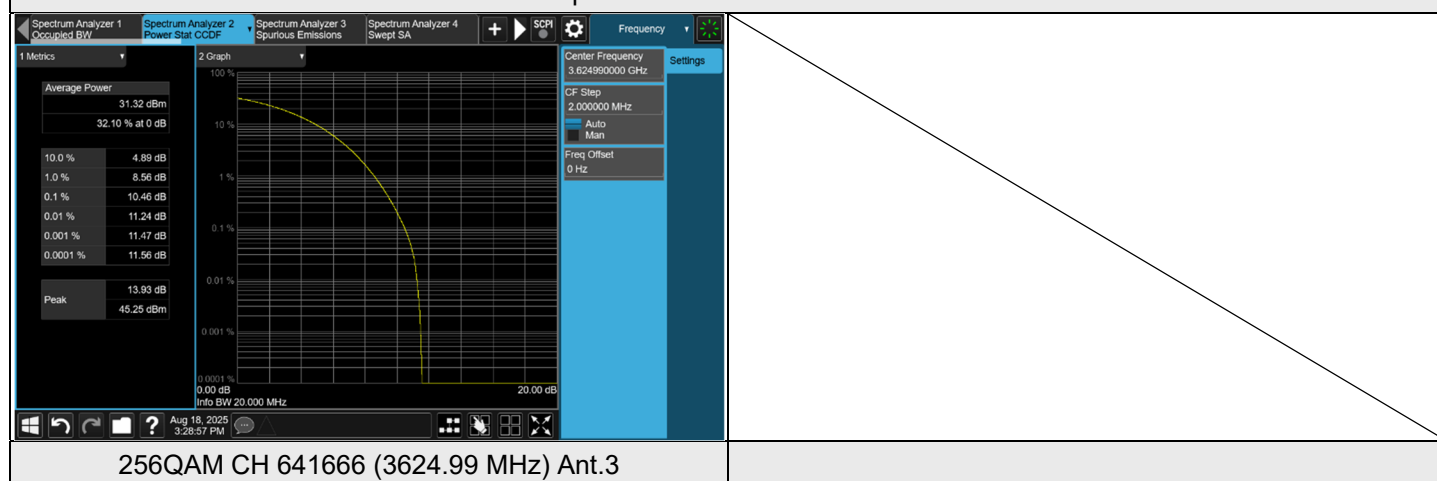
Ant.3



1CC, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)				Limit (dB)	Result
			Ant.0	Ant.1	Ant.2	Ant.3		
QPSK	637334	3560.01	9.23	9.31	8.78	9.07	13	PASS
QPSK	641666	3624.99	8.89	8.92	8.80	9.00	13	PASS
QPSK	646000	3690	8.93	8.71	8.66	8.97	13	PASS
64QAM	637334	3560.01	9.29	9.48	9.29	8.99	13	PASS
64QAM	641666	3624.99	9.16	9.41	9.04	9.13	13	PASS
64QAM	646000	3690	9.06	9.07	9.01	9.48	13	PASS
256QAM	637334	3560.01	9.30	9.63	9.83	9.01	13	PASS
256QAM	641666	3624.99	9.81	9.89	9.13	10.46	13	PASS
256QAM	646000	3690	10.15	9.61	9.34	10.31	13	PASS

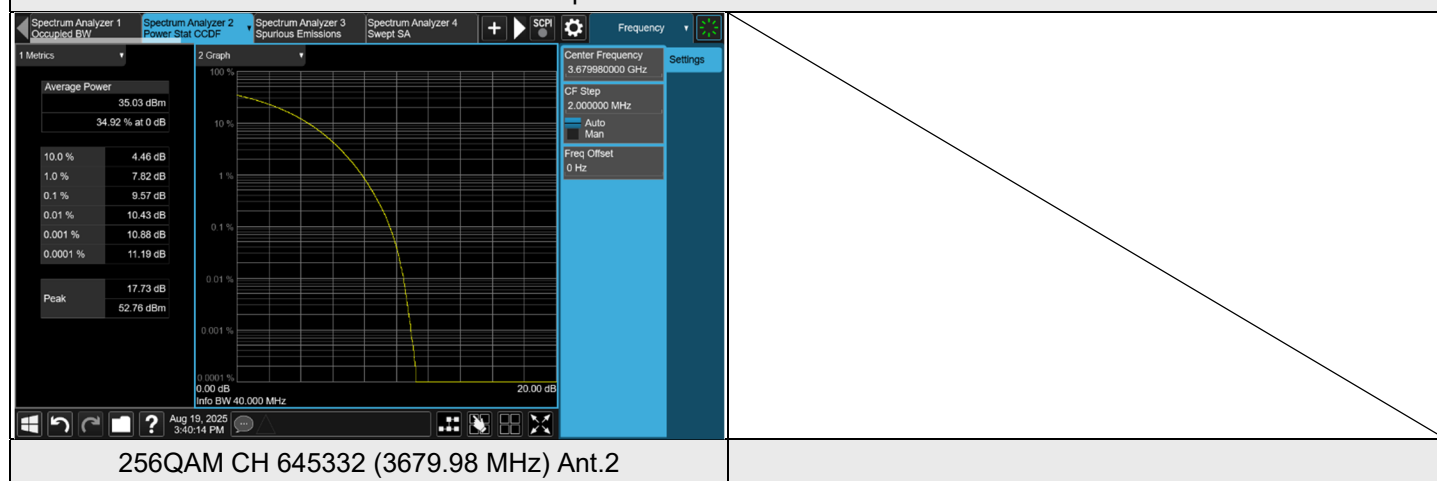
Spectrum Plot of Worst Value



1CC, Channel Bandwidth: 40 MHz

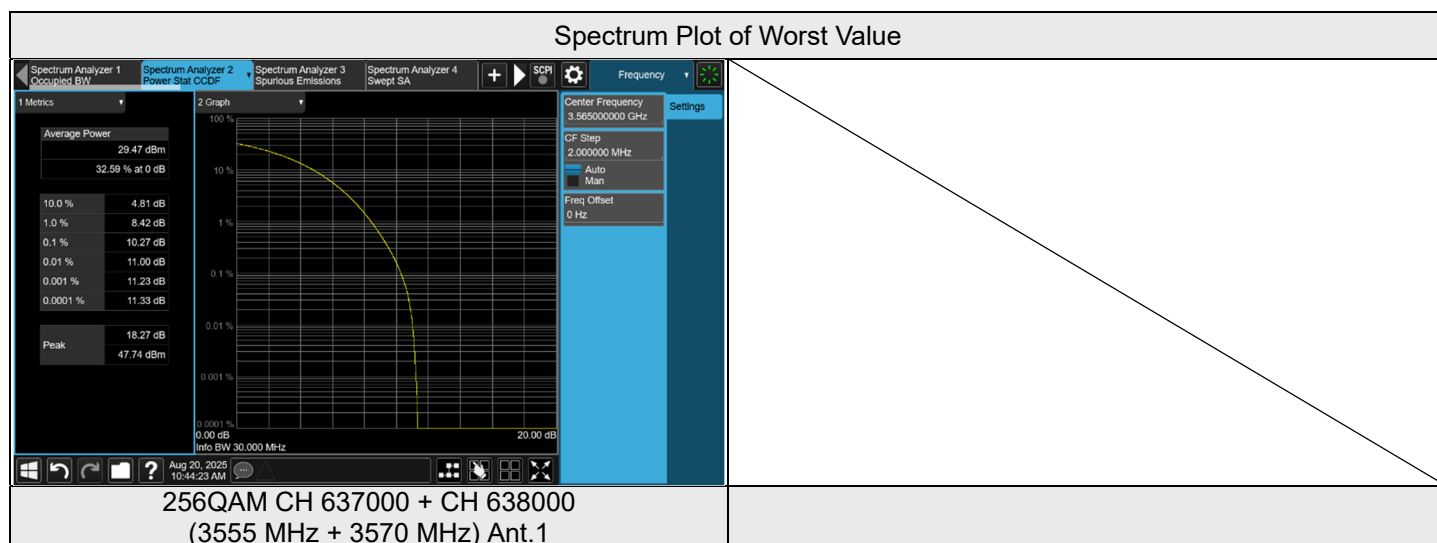
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)				Limit (dB)	Result
			Ant.0	Ant.1	Ant.2	Ant.3		
QPSK	638000	3570	9.08	9.30	9.15	9.13	13	PASS
QPSK	641666	3624.99	9.23	9.25	9.16	9.29	13	PASS
QPSK	645332	3679.98	9.07	9.16	9.02	9.19	13	PASS
64QAM	638000	3570	9.27	9.49	9.22	9.30	13	PASS
64QAM	641666	3624.99	9.32	9.35	9.44	9.42	13	PASS
64QAM	645332	3679.98	9.18	9.20	9.12	9.40	13	PASS
256QAM	638000	3570	9.31	9.37	9.32	9.51	13	PASS
256QAM	641666	3624.99	9.43	9.49	9.48	9.53	13	PASS
256QAM	645332	3679.98	9.47	9.25	9.57	9.40	13	PASS

Spectrum Plot of Worst Value



2CC, Channel Bandwidth: 10 MHz + 20 MHz

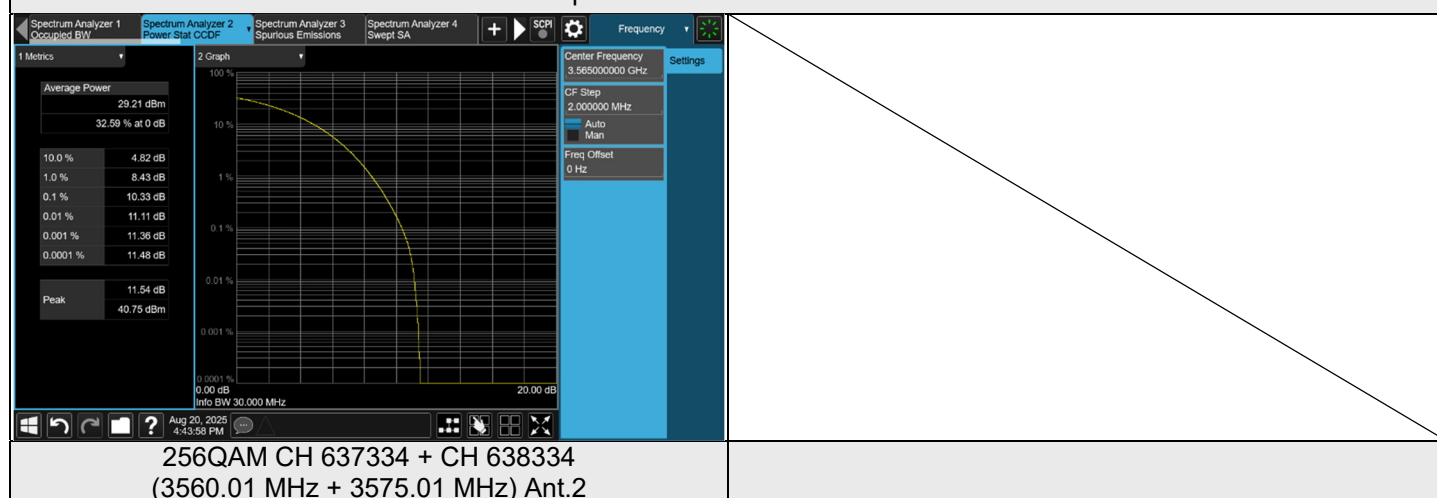
Modulation	Channel	Frequency (MHz)	Measurement Value(dB)				Limit (dB)	Result
			Ant.0	Ant.1	Ant.2	Ant.3		
QPSK	637000+638000	3555+3570	9.43	8.70	9.06	8.55	13	PASS
QPSK	645000+646000	3675+3690	9.12	9.10	8.61	8.65	13	PASS
64QAM	637000+638000	3555+3570	9.51	9.04	9.11	9.24	13	PASS
64QAM	645000+646000	3675+3690	9.40	9.29	8.96	9.04	13	PASS
256QAM	637000+638000	3555+3570	9.78	10.27	9.35	9.67	13	PASS
256QAM	645000+646000	3675+3690	9.77	9.44	9.06	9.88	13	PASS



2CC, Channel Bandwidth: 20 MHz + 10 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)				Limit (dB)	Result
			Ant.0	Ant.1	Ant.2	Ant.3		
QPSK	637334+638334	3560.01+3575.01	8.95	8.74	8.92	9.18	13	PASS
QPSK	645332+646332	3679.98+3694.98	8.93	8.88	8.94	8.43	13	PASS
64QAM	637334+638334	3560.01+3575.01	9.09	9.17	9.55	9.10	13	PASS
64QAM	645332+646332	3679.98+3694.98	9.04	9.16	9.09	8.80	13	PASS
256QAM	637334+638334	3560.01+3575.01	9.51	9.52	10.33	9.16	13	PASS
256QAM	645332+646332	3679.98+3694.98	9.52	9.56	9.24	9.16	13	PASS

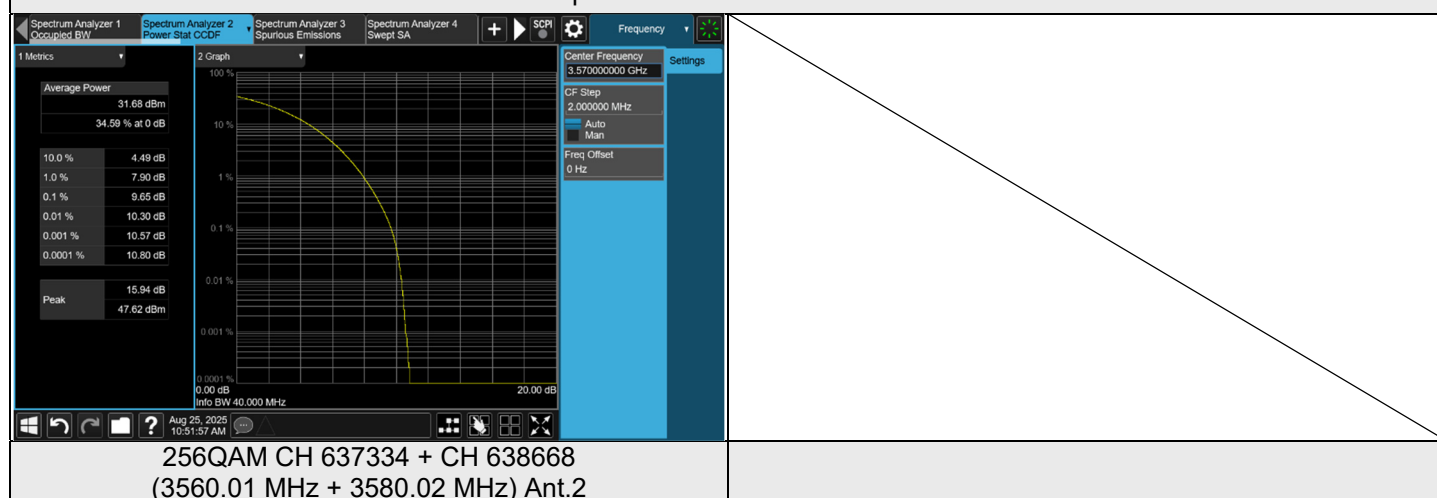
Spectrum Plot of Worst Value



2CC, Channel Bandwidth: 20 MHz + 20 MHz

Modulation	Channel	Frequency (MHz)	Measurement Value(dB)				Limit (dB)	Result
			Ant.0	Ant.1	Ant.2	Ant.3		
QPSK	637334+638668	3560.01+3580.02	9.17	9.23	9.20	9.25	13	PASS
QPSK	644668+646000	3670.02+3690	9.13	9.16	9.37	9.15	13	PASS
64QAM	637334+638668	3560.01+3580.02	9.18	9.33	9.32	9.33	13	PASS
64QAM	644668+646000	3670.02+3690	9.25	9.21	9.41	9.24	13	PASS
256QAM	637334+638668	3560.01+3580.02	9.26	9.47	9.65	9.60	13	PASS
256QAM	644668+646000	3670.02+3690	9.51	9.45	9.43	9.49	13	PASS

Spectrum Plot of Worst Value



7.5 Bandwidth

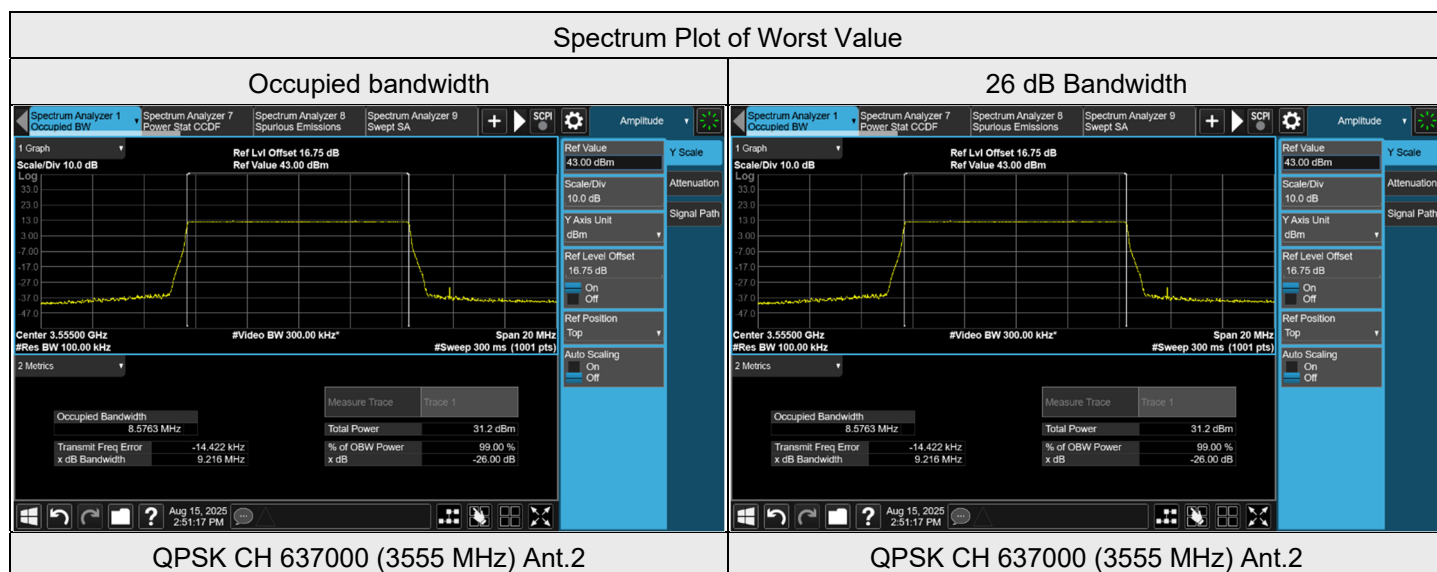
Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 73% RH	Tested By:	Noah Chang
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7.5.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

1CC, Channel Bandwidth: 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637000	3555	8.57	8.57	8.58	8.57
QPSK	641666	3624.99	8.57	8.57	8.57	8.57
QPSK	646332	3694.98	8.57	8.57	8.57	8.57
64QAM	637000	3555	8.57	8.57	8.57	8.57
64QAM	641666	3624.99	8.57	8.57	8.57	8.57
64QAM	646332	3694.98	8.56	8.56	8.57	8.57
256QAM	637000	3555	8.57	8.57	8.57	8.57
256QAM	641666	3624.99	8.57	8.56	8.56	8.57
256QAM	646332	3694.98	8.57	8.56	8.56	8.56

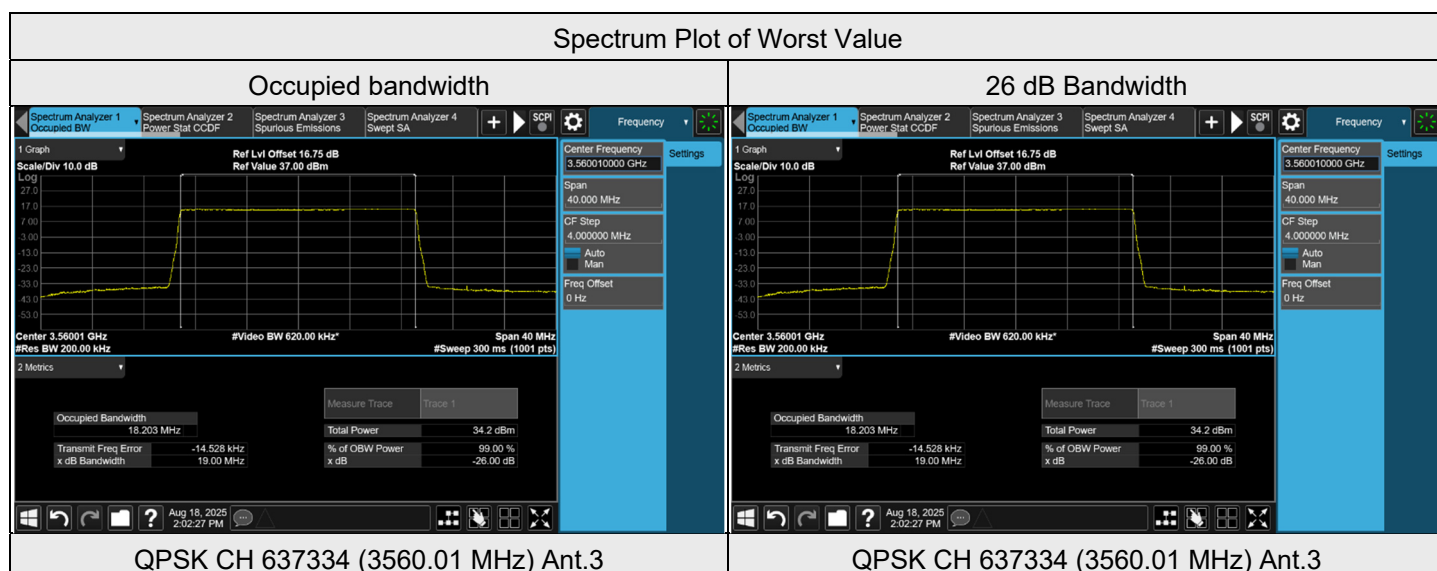
Modulation	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637000	3555	9.18	9.17	9.22	9.21
QPSK	641666	3624.99	9.18	9.17	9.19	9.20
QPSK	646332	3694.98	9.19	9.13	9.22	9.15
64QAM	637000	3555	9.16	9.16	9.20	9.19
64QAM	641666	3624.99	9.13	9.12	9.17	9.16
64QAM	646332	3694.98	9.14	9.13	9.18	9.18
256QAM	637000	3555	9.13	9.18	9.18	9.15
256QAM	641666	3624.99	9.12	9.11	9.15	9.14
256QAM	646332	3694.98	9.13	9.13	9.14	9.13



1CC, Channel Bandwidth: 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637334	3560.01	18.197	18.20	18.196	18.203
QPSK	641666	3624.99	18.196	18.192	18.173	18.20
QPSK	646000	3690	18.19	18.20	18.193	18.195
64QAM	637334	3560.01	18.197	18.202	18.187	18.201
64QAM	641666	3624.99	18.198	18.191	18.17	18.196
64QAM	646000	3690	18.19	18.202	18.195	18.198
256QAM	637334	3560.01	18.199	18.201	18.197	18.203
256QAM	641666	3624.99	18.194	18.185	18.166	18.197
256QAM	646000	3690	18.187	18.199	18.192	18.191

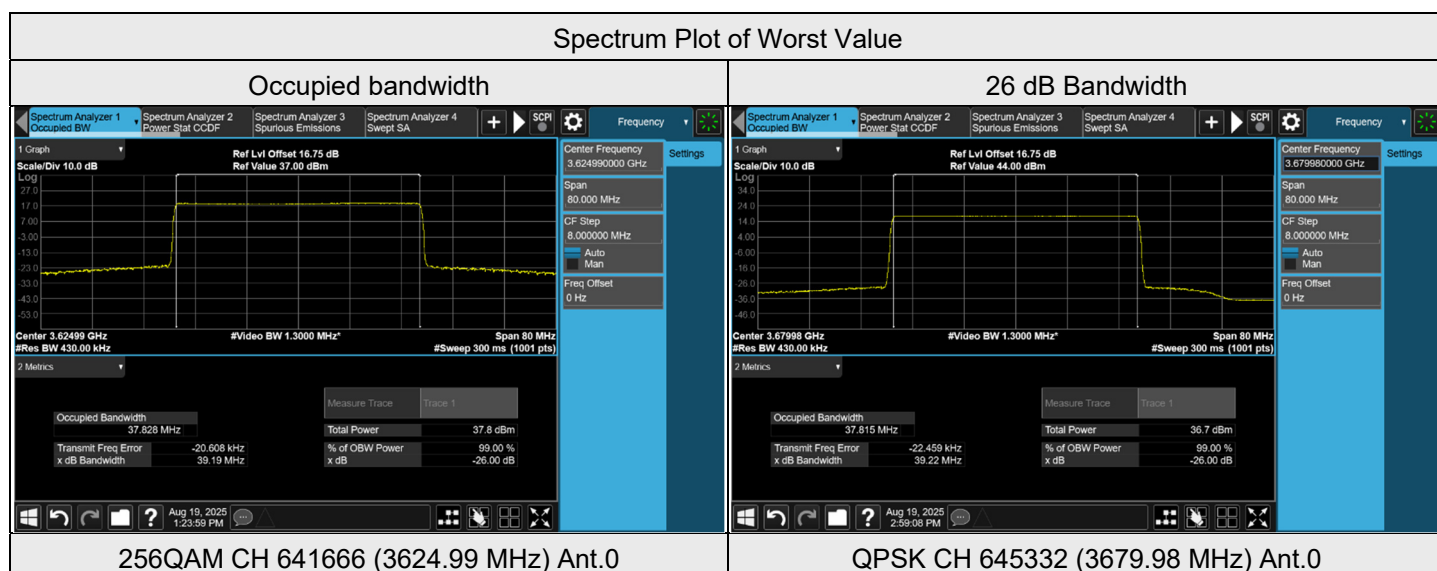
Modulation	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637334	3560.01	18.97	18.97	18.95	19.00
QPSK	641666	3624.99	18.95	18.96	18.96	18.98
QPSK	646000	3690	18.95	18.97	18.96	18.99
64QAM	637334	3560.01	18.93	18.96	18.94	18.96
64QAM	641666	3624.99	18.93	18.93	18.91	18.96
64QAM	646000	3690	18.93	18.93	18.93	18.96
256QAM	637334	3560.01	18.92	18.91	18.95	18.91
256QAM	641666	3624.99	18.90	18.93	18.91	18.93
256QAM	646000	3690	18.92	18.92	18.91	18.94



1CC, Channel Bandwidth: 40 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
			Ant.0	Ant. 1	Ant.2	Ant.3
QPSK	638000	3570	37.80	37.81	37.81	37.82
QPSK	641666	3624.99	37.827	37.81	37.80	37.82
QPSK	645332	3679.98	37.82	37.81	37.81	37.826
64QAM	638000	3570	37.80	37.80	37.81	37.81
64QAM	641666	3624.99	37.824	37.79	37.80	37.81
64QAM	645332	3679.98	37.82	37.80	37.81	37.82
256QAM	638000	3570	37.80	37.80	37.79	37.80
256QAM	641666	3624.99	37.828	37.80	37.77	37.80
256QAM	645332	3679.98	37.81	37.80	37.78	37.82

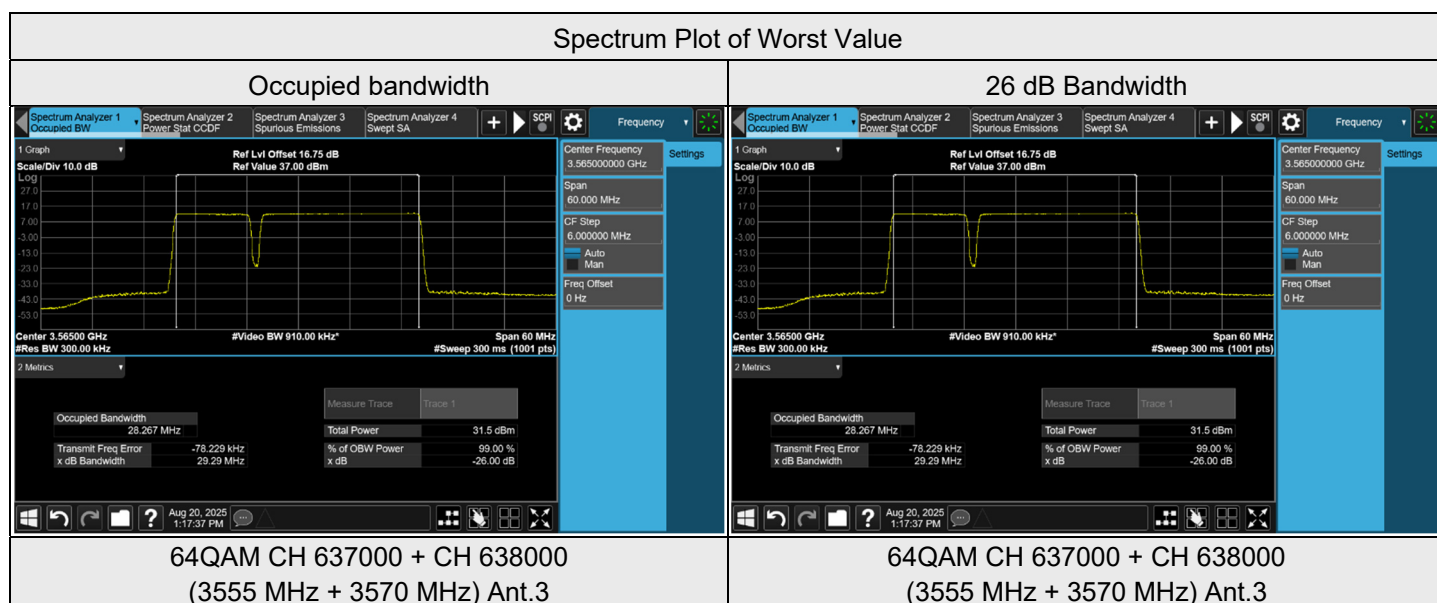
Modulation	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Ant.0	Ant. 1	Ant.2	Ant.3
QPSK	638000	3570	39.20	39.20	39.20	39.19
QPSK	641666	3624.99	39.21	39.21	39.18	39.21
QPSK	645332	3679.98	39.22	39.21	39.20	39.21
64QAM	638000	3570	39.20	39.19	39.20	39.19
64QAM	641666	3624.99	39.20	39.19	39.18	39.21
64QAM	645332	3679.98	39.19	39.18	39.20	39.20
256QAM	638000	3570	39.19	39.18	39.20	39.18
256QAM	641666	3624.99	39.19	39.19	39.17	39.20
256QAM	645332	3679.98	39.18	39.20	39.18	39.20



2CC, Channel Bandwidth: 10 MHz + 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637000+638000	3555+3570	28.25	28.25	28.26	28.27
QPSK	645000+646000	3675+3690	28.26	28.25	28.24	28.26
64QAM	637000+638000	3555+3570	28.25	28.24	28.26	28.27
64QAM	645000+646000	3675+3690	28.26	28.24	28.24	28.26
256QAM	637000+638000	3555+3570	28.25	28.23	28.25	28.25
256QAM	645000+646000	3675+3690	28.26	28.23	28.24	28.25

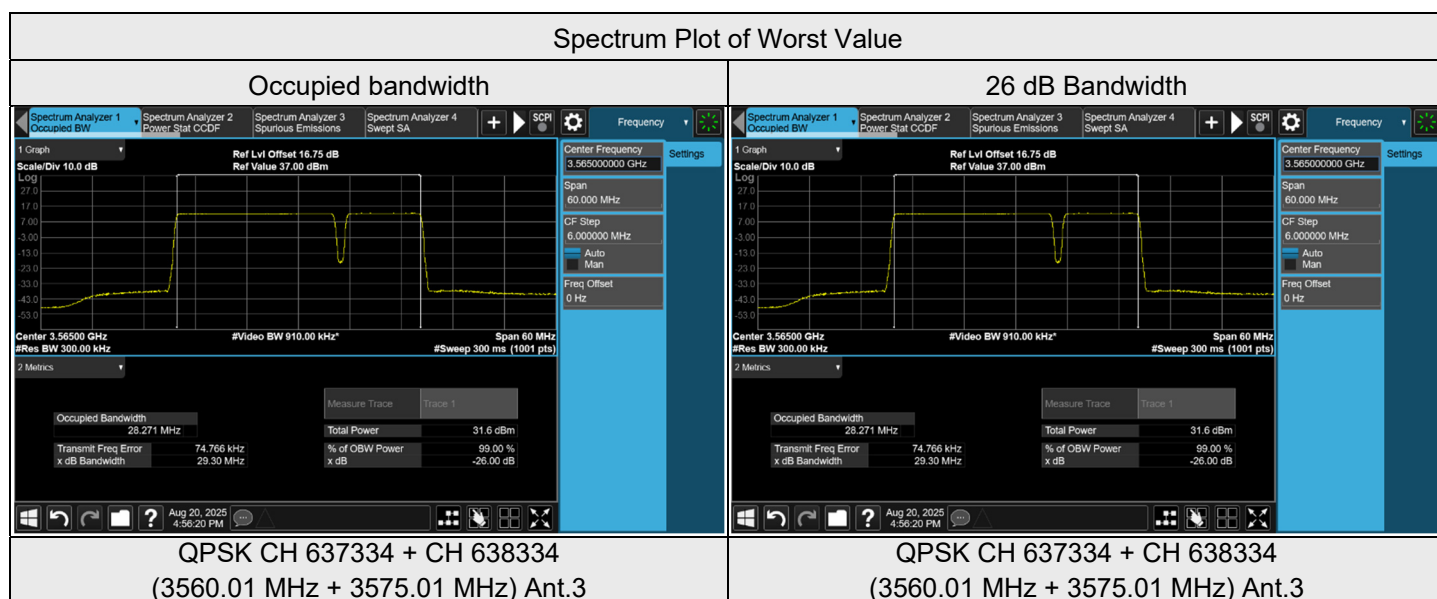
Modulation	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637000+638000	3555+3570	29.29	29.28	29.29	29.29
QPSK	645000+646000	3675+3690	29.28	29.28	29.28	29.29
64QAM	637000+638000	3555+3570	29.29	29.24	29.28	29.29
64QAM	645000+646000	3675+3690	29.28	29.24	29.26	29.29
256QAM	637000+638000	3555+3570	29.28	29.25	29.26	29.27
256QAM	645000+646000	3675+3690	29.26	29.25	29.23	29.28



2CC, Channel Bandwidth: 20 MHz + 10 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637334+638334	3560.01+3575.01	28.26	28.26	28.25	28.27
QPSK	645332+646332	3679.98+3694.98	28.25	28.25	28.24	28.26
64QAM	637334+638334	3560.01+3575.01	28.26	28.26	28.25	28.27
64QAM	645332+646332	3679.98+3694.98	28.26	28.25	28.24	28.26
256QAM	637334+638334	3560.01+3575.01	28.25	28.26	28.25	28.27
256QAM	645332+646332	3679.98+3694.98	28.25	28.24	28.24	28.26

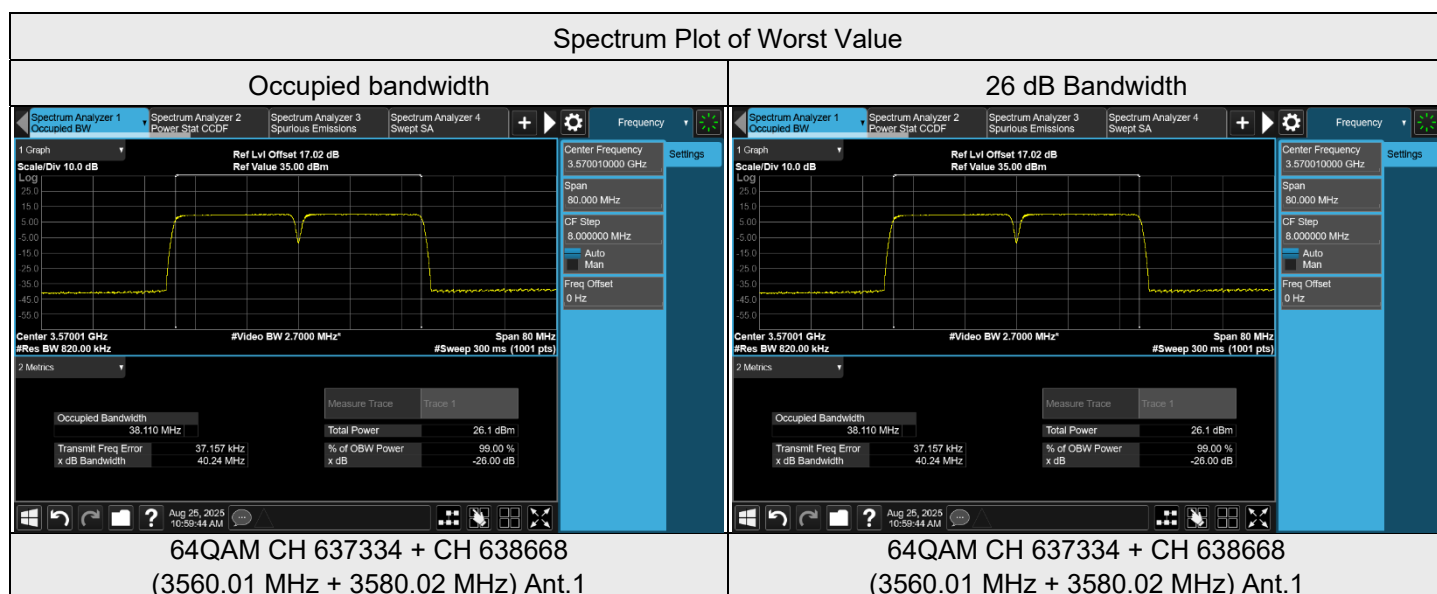
Modulation	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637334+638334	3560.01+3575.01	29.28	29.28	29.29	29.30
QPSK	645332+646332	3679.98+3694.98	29.29	29.29	29.29	29.29
64QAM	637334+638334	3560.01+3575.01	29.28	29.27	29.27	29.28
64QAM	645332+646332	3679.98+3694.98	29.28	29.24	29.25	29.27
256QAM	637334+638334	3560.01+3575.01	29.26	29.25	29.26	29.26
256QAM	645332+646332	3679.98+3694.98	29.27	29.28	29.26	29.25



2CC, Channel Bandwidth: 20 MHz + 20 MHz

Modulation	Channel	Frequency (MHz)	Occupied Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637334+638668	3560.01+3580.02	38.04	38.04	38.05	38.05
QPSK	644668+646000	3670.02+3690	38.01	38.00	38.00	38.01
64QAM	637334+638668	3560.01+3580.02	38.04	38.11	38.03	38.04
64QAM	644668+646000	3670.02+3690	38.01	37.99	38.00	38.01
256QAM	637334+638668	3560.01+3580.02	38.04	38.11	38.04	38.05
256QAM	644668+646000	3670.02+3690	38.01	37.98	37.98	37.99

Modulation	Channel	Frequency (MHz)	26 dB Bandwidth (MHz)			
			Ant.0	Ant.1	Ant.2	Ant.3
QPSK	637334+638668	3560.01+3580.02	39.43	39.42	39.41	39.42
QPSK	644668+646000	3670.02+3690	39.37	39.38	39.38	39.38
64QAM	637334+638668	3560.01+3580.02	39.42	40.24	39.40	39.41
64QAM	644668+646000	3670.02+3690	39.36	39.38	39.38	39.37
256QAM	637334+638668	3560.01+3580.02	39.39	40.23	39.39	39.40
256QAM	644668+646000	3670.02+3690	39.37	39.38	39.36	39.35

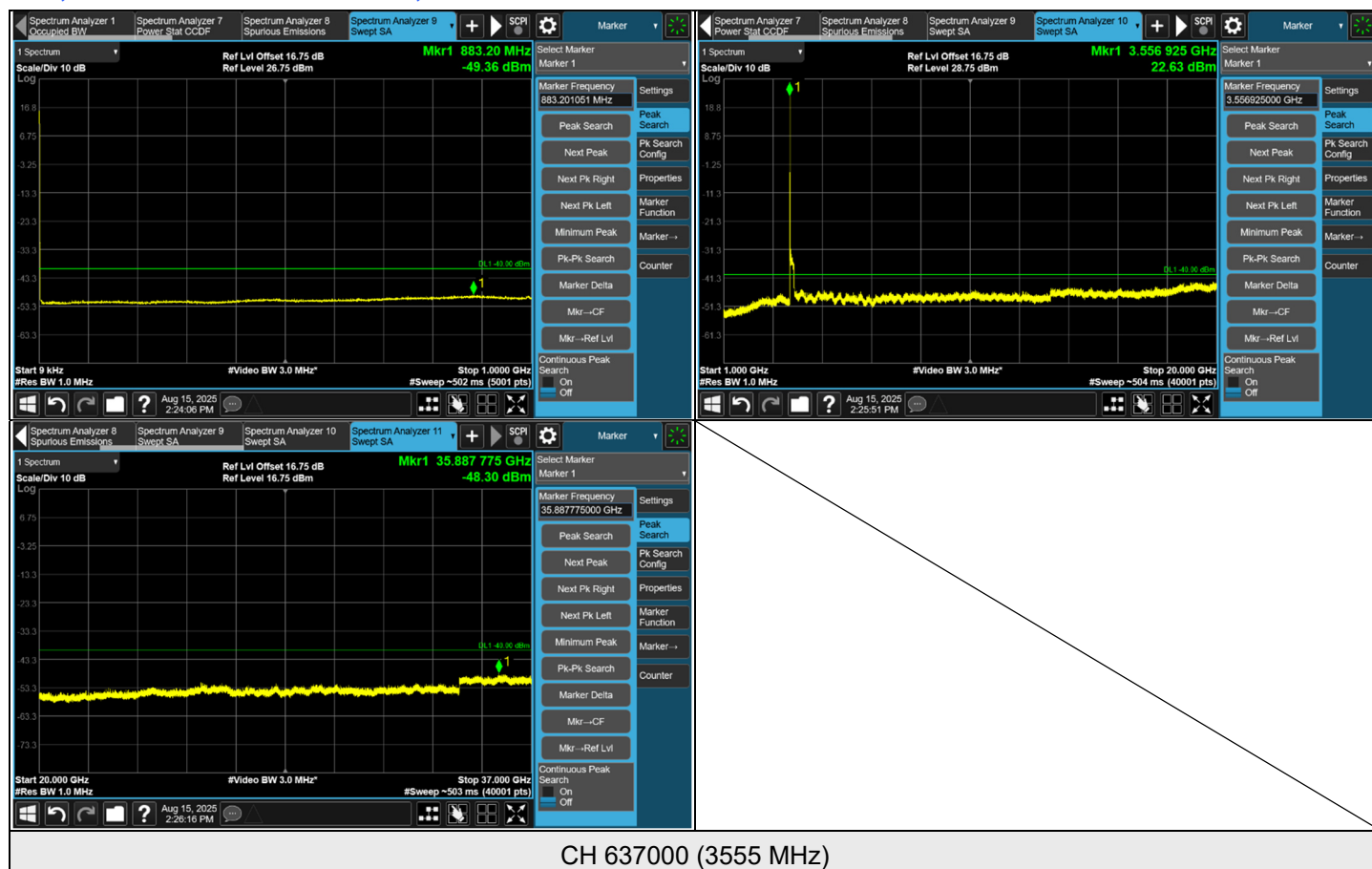


7.6 Conducted Spurious Emissions

Input Power:	120 Vac, 60 Hz	Environmental Conditions:	22°C, 73% RH	Tested By:	Noah Chang
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7.6.1 NR n48 SCS 30 kHz (3.55 GHz ~ 3.7 GHz)

1CC, Channel Bandwidth: 10 MHz, Ant.0



Note: The signal at 9 kHz is IF signal from spectrum analyzer.