



# Appendix B.6

## LTE CA\_48C



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**Effective (Isotropic) Radiated Power Output Data**

**Test Result**

ANT3

Band	Bandwidth	Modulation	Channel	RB Configuration	Result (dBm/10MHz)	EIRP (dBm/10MHz)	Limit (dBm/10MHz)	Verdict
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	1RB#0-0RB#0	18.67	16.37	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	17.43	15.13	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	1RB#0-0RB#0	18.92	16.62	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	16.84	14.54	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	1RB#0-0RB#0	18.75	16.45	23	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	16.73	14.43	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	1RB#0-0RB#0	18.01	15.71	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	16.43	14.13	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	1RB#0-0RB#0	17.92	15.62	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	15.94	13.64	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	1RB#0-0RB#0	17.79	15.49	23	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	15.79	13.49	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	1RB#0-0RB#0	16.31	14.01	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	15.83	13.53	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	1RB#0-0RB#0	16.34	14.04	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	15.67	13.37	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	1RB#0-0RB#0	15.71	13.41	23	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	15.12	12.82	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	1RB#0-0RB#0	14.37	12.07	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	12.99	10.69	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	1RB#0-0RB#0	14.24	11.94	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	12.95	10.65	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	1RB#0-0RB#0	14.35	12.05	23	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	12.87	10.57	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	1RB#0-0RB#0	19.54	17.24	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	17.35	15.05	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	1RB#0-0RB#0	19.34	17.04	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	17.01	14.71	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	1RB#0-0RB#0	18.76	16.46	23	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	16.52	14.22	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	1RB#0-0RB#0	18.50	16.20	23	PASS



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48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	16.35	14.05	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	1RB#0-0RB#0	18.43	16.13	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	16.13	13.83	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	1RB#0-0RB#0	17.84	15.54	23	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	15.64	13.34	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	1RB#0-0RB#0	16.35	14.05	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	15.83	13.53	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	1RB#0-0RB#0	16.55	14.25	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	15.61	13.31	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	1RB#0-0RB#0	15.95	13.65	23	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	15.15	12.85	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	1RB#0-0RB#0	13.68	11.38	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	13.28	10.98	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	1RB#0-0RB#0	13.68	11.38	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	13.26	10.96	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	1RB#0-0RB#0	13.14	10.84	23	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	12.84	10.54	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	1RB#0-0RB#0	19.25	16.95	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	17.37	15.07	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	1RB#0-0RB#0	19.16	16.86	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	17.06	14.76	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	1RB#0-0RB#0	19.19	16.89	23	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	16.57	14.27	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	1RB#0-0RB#0	18.28	15.98	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	16.34	14.04	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	1RB#0-0RB#0	18.28	15.98	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	16.06	13.76	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	1RB#0-0RB#0	17.71	15.41	23	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	15.58	13.28	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	1RB#0-0RB#0	16.34	14.04	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	15.85	13.55	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	1RB#0-0RB#0	16.33	14.03	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	15.59	13.29	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	1RB#0-0RB#0	15.75	13.45	23	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	15.11	12.81	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	1RB#0-0RB#0	13.33	11.03	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	12.90	10.60	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	1RB#0-0RB#0	13.49	11.19	23	PASS



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48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	100RB#0-50RB#0	12.70	10.40	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	1RB#0-0RB#0	12.98	10.68	23	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	12.39	10.09	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	1RB#0-0RB#0	18.94	16.64	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	17.28	14.98	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	1RB#0-0RB#0	19.11	16.81	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	16.97	14.67	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	1RB#0-0RB#0	18.50	16.20	23	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	16.44	14.14	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	1RB#0-0RB#0	18.27	15.97	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	16.33	14.03	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	1RB#0-0RB#0	18.19	15.89	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	15.98	13.68	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	1RB#0-0RB#0	17.61	15.31	23	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	15.55	13.25	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	1RB#0-0RB#0	16.36	14.06	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	15.91	13.61	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	1RB#0-0RB#0	16.37	14.07	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	15.58	13.28	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	1RB#0-0RB#0	16.31	14.01	23	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	100RB#0-75RB#0	15.14	12.84	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	1RB#0-0RB#0	13.49	11.19	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	100RB#0-75RB#0	13.06	10.76	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	1RB#0-0RB#0	13.51	11.21	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	100RB#0-75RB#0	13.05	10.75	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	1RB#0-0RB#0	13.45	11.15	23	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	13.19	10.89	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	1RB#0-0RB#0	19.13	16.83	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	17.20	14.90	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	1RB#0-0RB#0	19.11	16.81	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	16.86	14.56	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	1RB#0-0RB#0	18.33	16.03	23	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	16.26	13.96	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	1RB#0-0RB#0	18.21	15.91	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	16.25	13.95	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	1RB#0-0RB#0	18.17	15.87	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	15.93	13.63	23	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	1RB#0-0RB#0	17.45	15.15	23	PASS



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48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	15.38	13.08	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	1RB#0-0RB#0	16.43	14.13	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	15.74	13.44	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	1RB#0-0RB#0	16.38	14.08	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	15.51	13.21	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	1RB#0-0RB#0	15.78	13.48	23	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	15.06	12.76	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	1RB#0-0RB#0	13.50	11.20	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	13.09	10.79	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	1RB#0-0RB#0	13.66	11.36	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	13.27	10.97	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	1RB#0-0RB#0	13.48	11.18	23	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	13.17	10.87	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	1RB#0-0RB#0	19.52	17.22	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	17.21	14.91	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	1RB#0-0RB#0	19.05	16.75	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	16.80	14.50	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	1RB#0-0RB#0	18.86	16.56	23	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	16.59	14.29	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	1RB#0-0RB#0	18.57	16.27	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	16.18	13.88	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	1RB#0-0RB#0	18.17	15.87	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	15.78	13.48	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	1RB#0-0RB#0	18.01	15.71	23	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	15.57	13.27	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	1RB#0-0RB#0	16.69	14.39	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	15.91	13.61	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	1RB#0-0RB#0	16.68	14.38	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	15.63	13.33	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	1RB#0-0RB#0	16.61	14.31	23	PASS
48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	15.17	12.87	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	1RB#0-0RB#0	13.93	11.63	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	13.41	11.11	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	1RB#0-0RB#0	13.95	11.65	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	13.50	11.20	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	1RB#0-0RB#0	13.27	10.97	23	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	13.00	10.70	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	1RB#0-0RB#0	19.13	16.83	23	PASS



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48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	17.19	14.89	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	1RB#0-0RB#0	18.66	16.36	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	16.85	14.55	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	1RB#0-0RB#0	18.41	16.11	23	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	16.58	14.28	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	1RB#0-0RB#0	18.17	15.87	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	16.24	13.94	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	1RB#0-0RB#0	17.72	15.42	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	15.78	13.48	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	1RB#0-0RB#0	17.54	15.24	23	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	15.65	13.35	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	1RB#0-0RB#0	16.21	13.91	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	15.79	13.49	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	1RB#0-0RB#0	16.29	13.99	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	15.67	13.37	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	1RB#0-0RB#0	15.66	13.36	23	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	25RB#0-100RB#0	15.12	12.82	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	1RB#0-0RB#0	13.54	11.24	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	13.35	11.05	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	1RB#0-0RB#0	13.55	11.25	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	13.43	11.13	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	1RB#0-0RB#0	13.52	11.22	23	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	25RB#0-100RB#0	13.13	10.83	23	PASS



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## Peak-to-Average Ratio(CCDF)

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dB)	Limit(dB)	Verdict
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	9.94	13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	9.71	13	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	9.83	13	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	9.80	13	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	9.88	13	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	9.74	13	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	9.91	13	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	10.12	13	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	9.88	13	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	10.52	13	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	10.00	13	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	10.58	13	PASS



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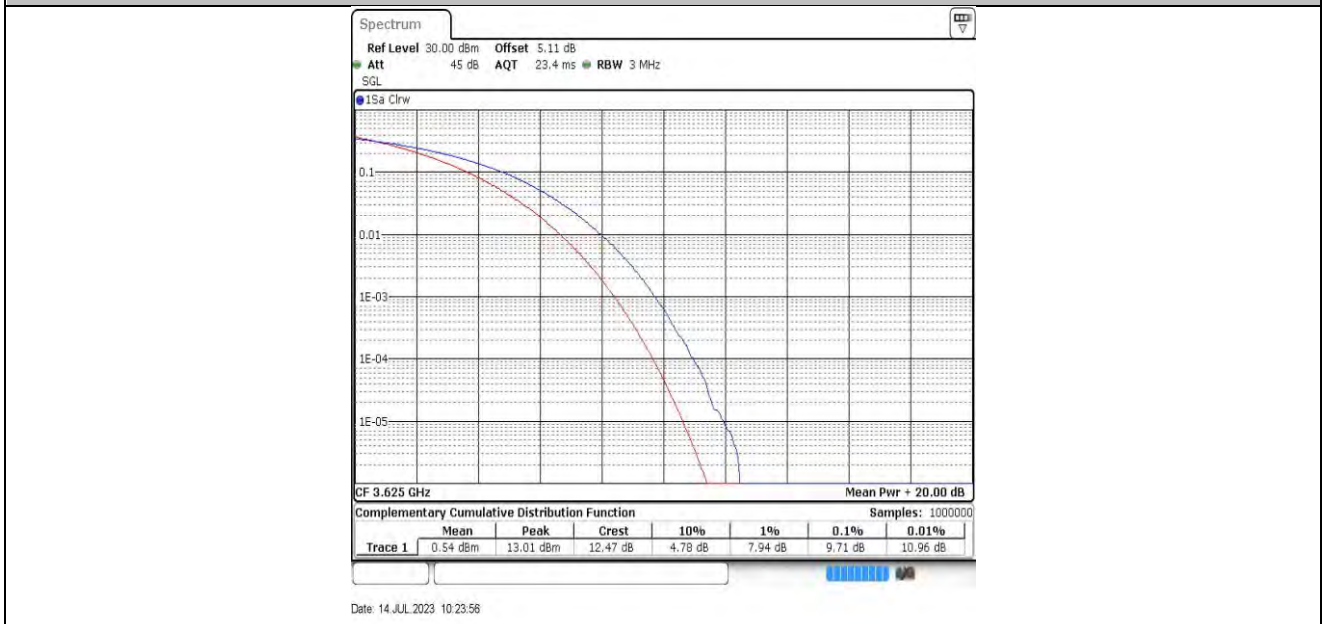
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### Test Graphs



20MHz-20MHz-55340-55538 QPSK-QPSK



20MHz-20MHz-55891-56089 QPSK-QPSK

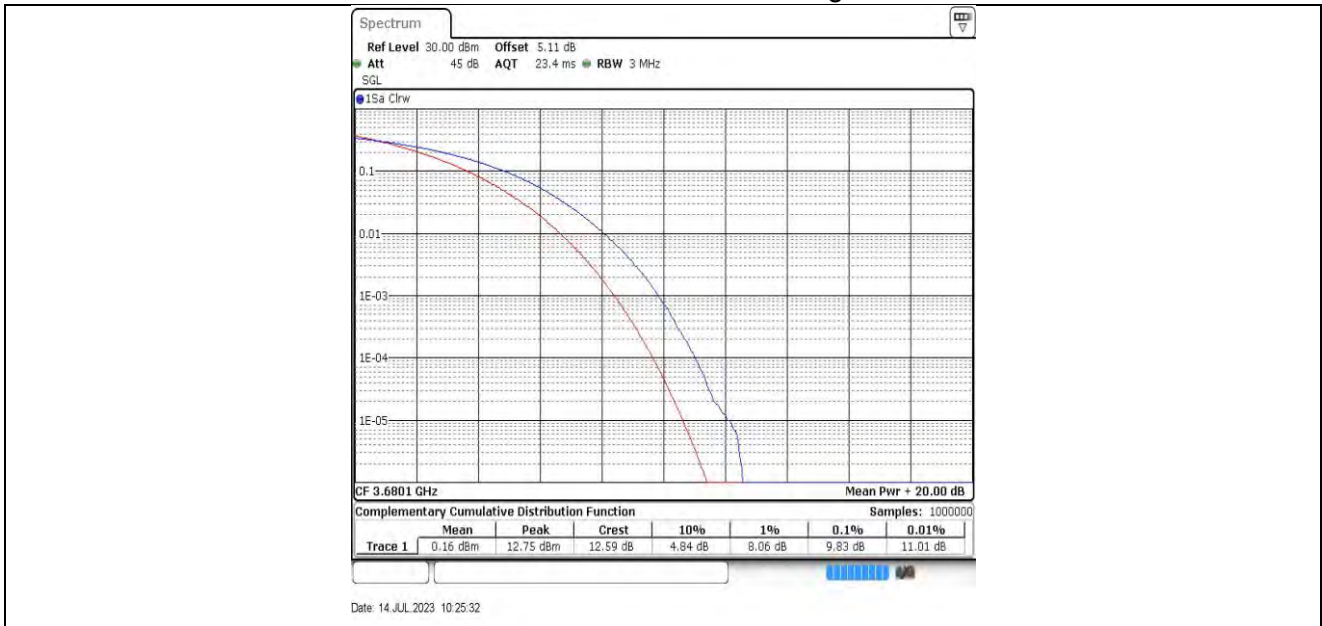


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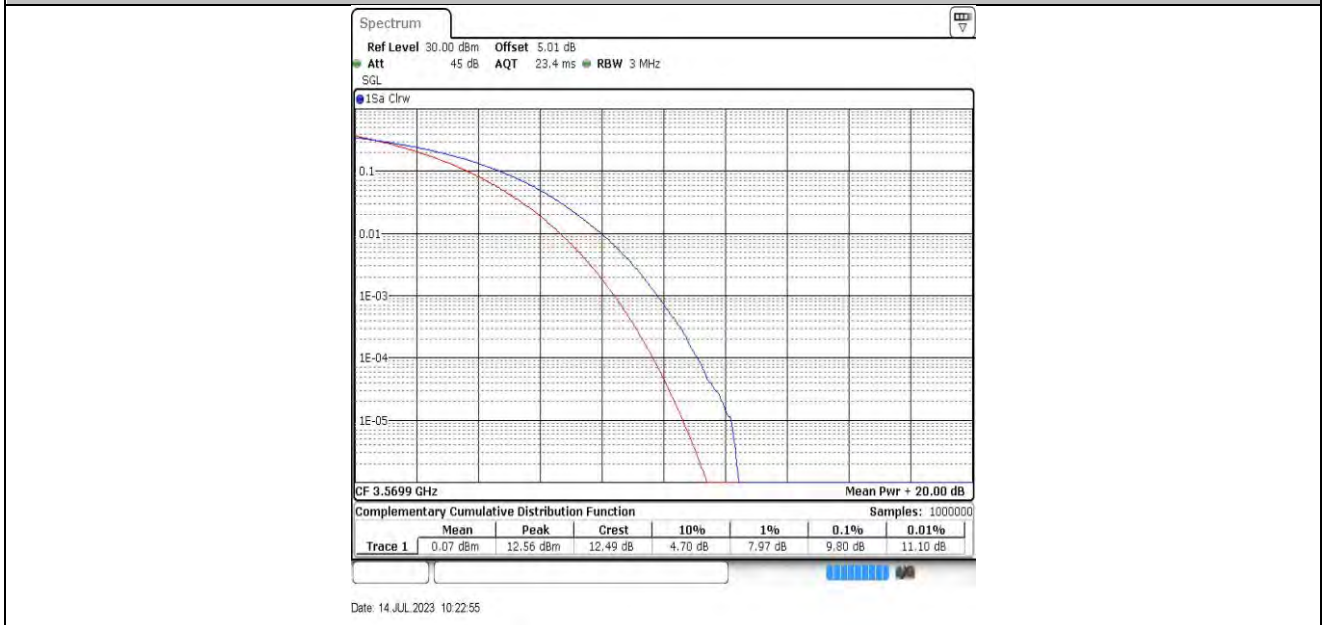
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**20MHz-20MHz-56442-56640 QPSK-QPSK**

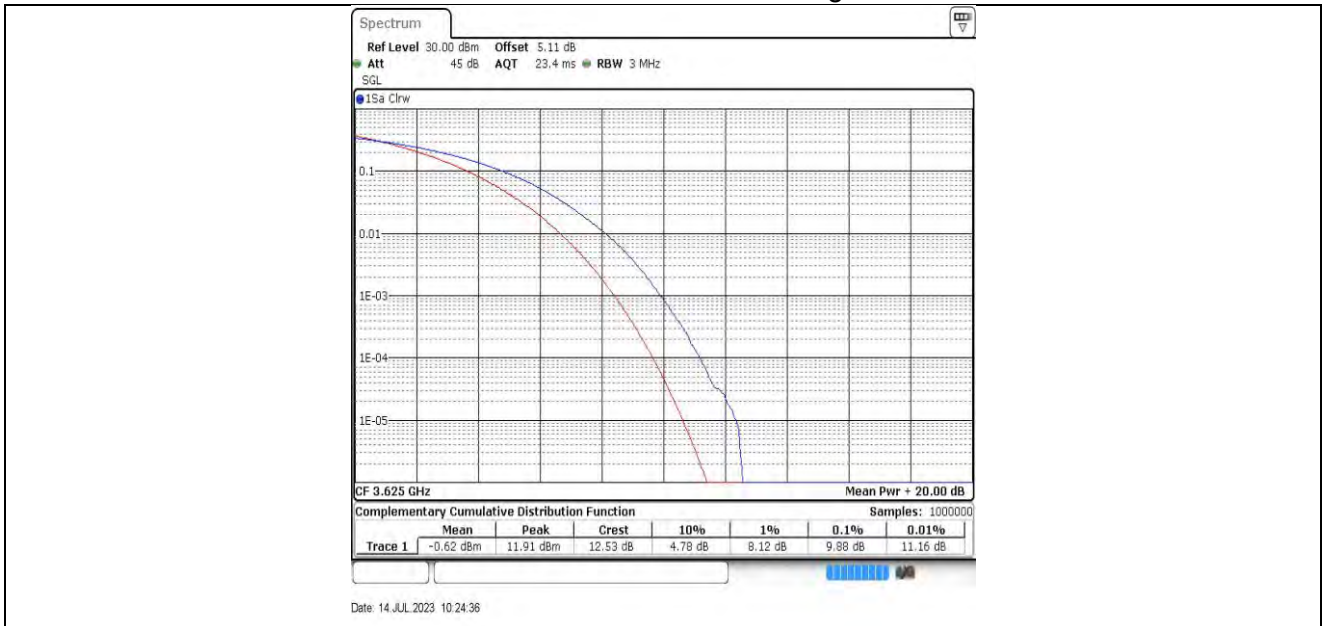


**20MHz-20MHz-55340-55538 16QAM-16QAM**

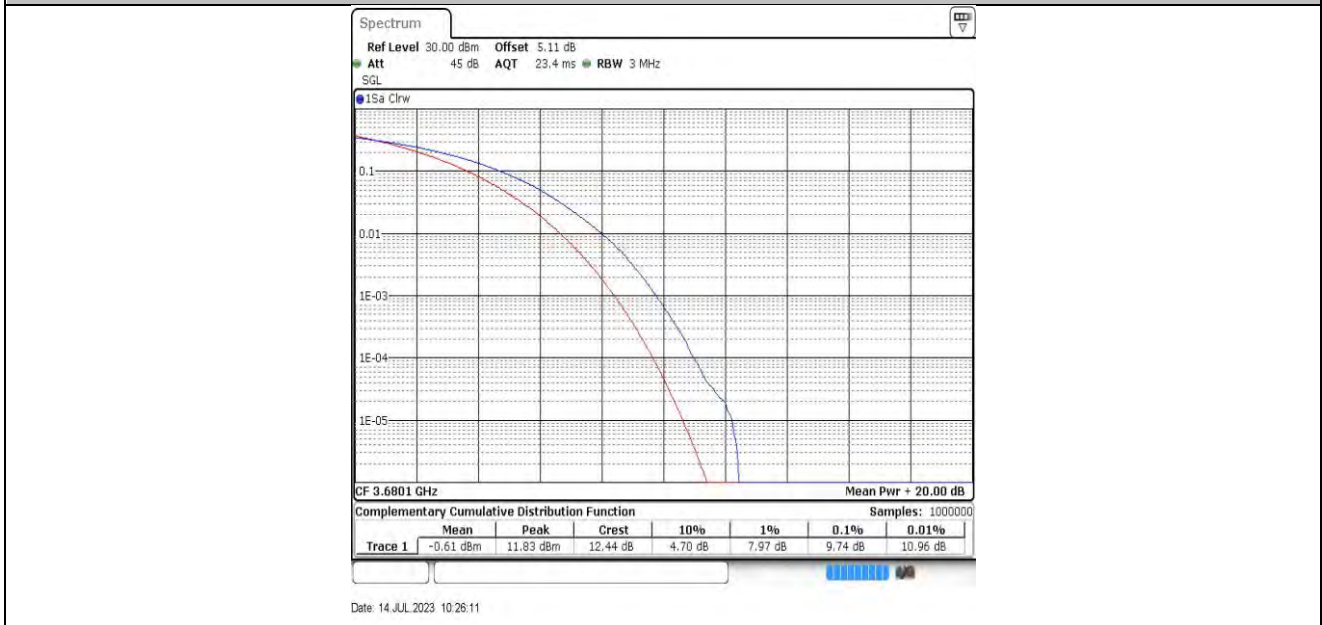


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20MHz-20MHz-55891-56089 16QAM-16QAM



20MHz-20MHz-56442-56640 16QAM-16QAM

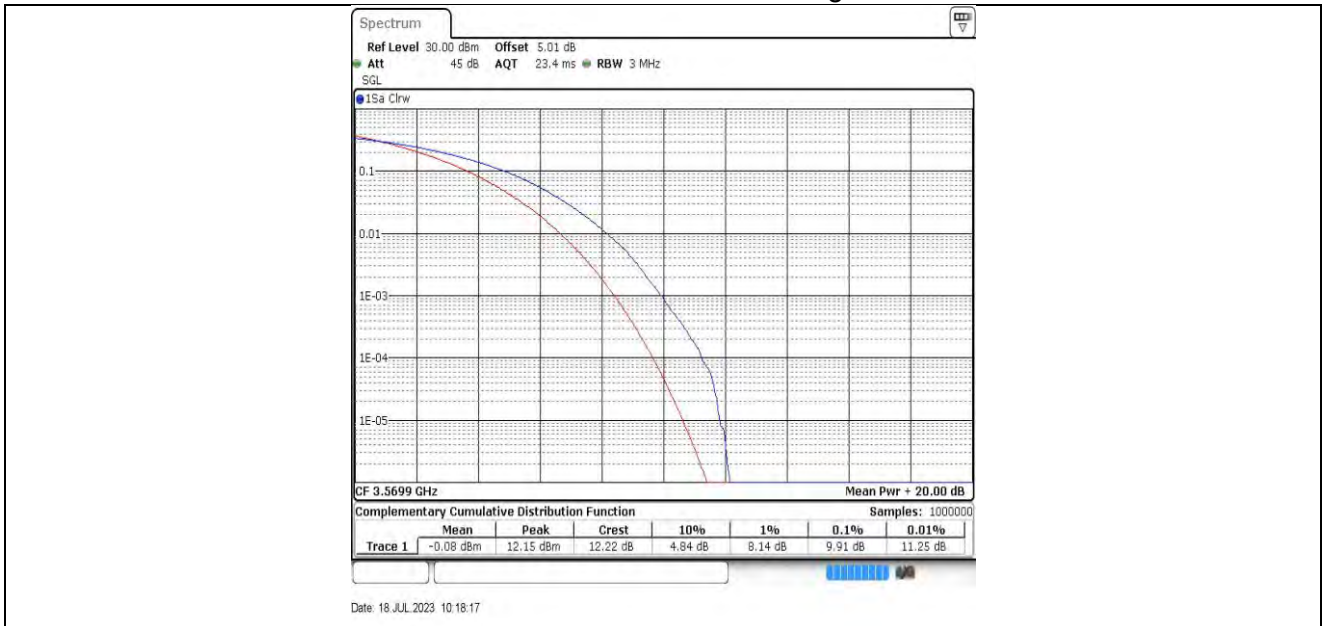


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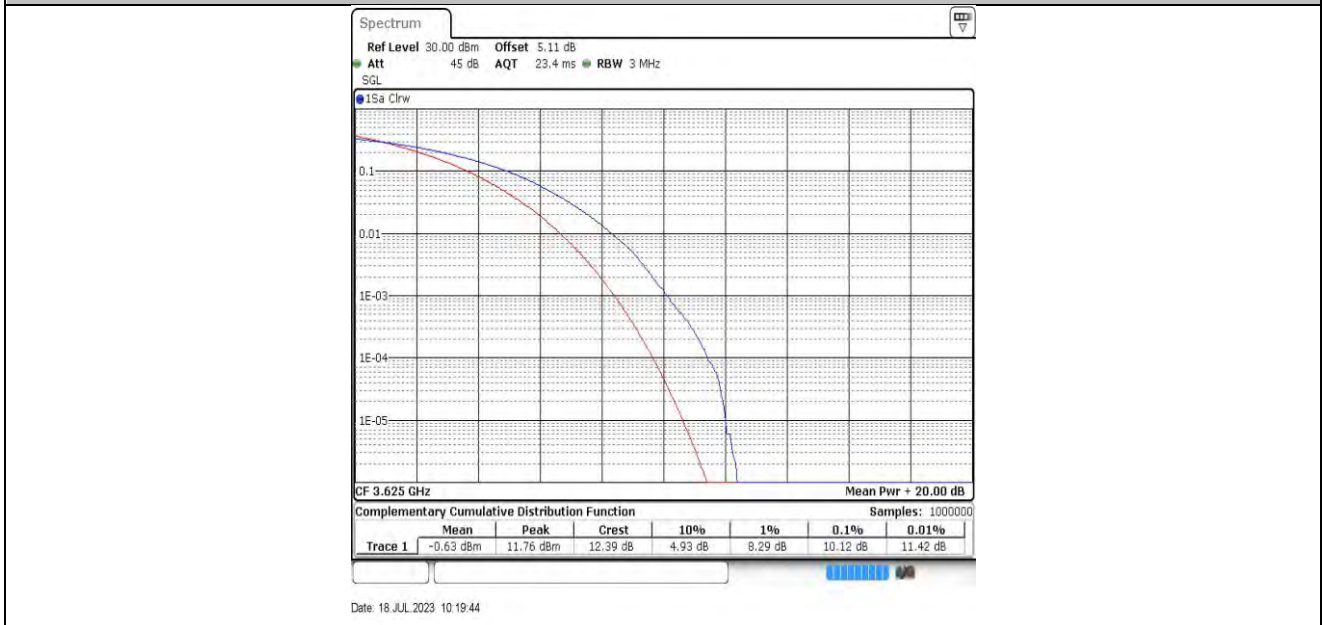
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20MHz-20MHz-55340-55538 64QAM-64QAM



20MHz-20MHz-55891-56089 64QAM-64QAM



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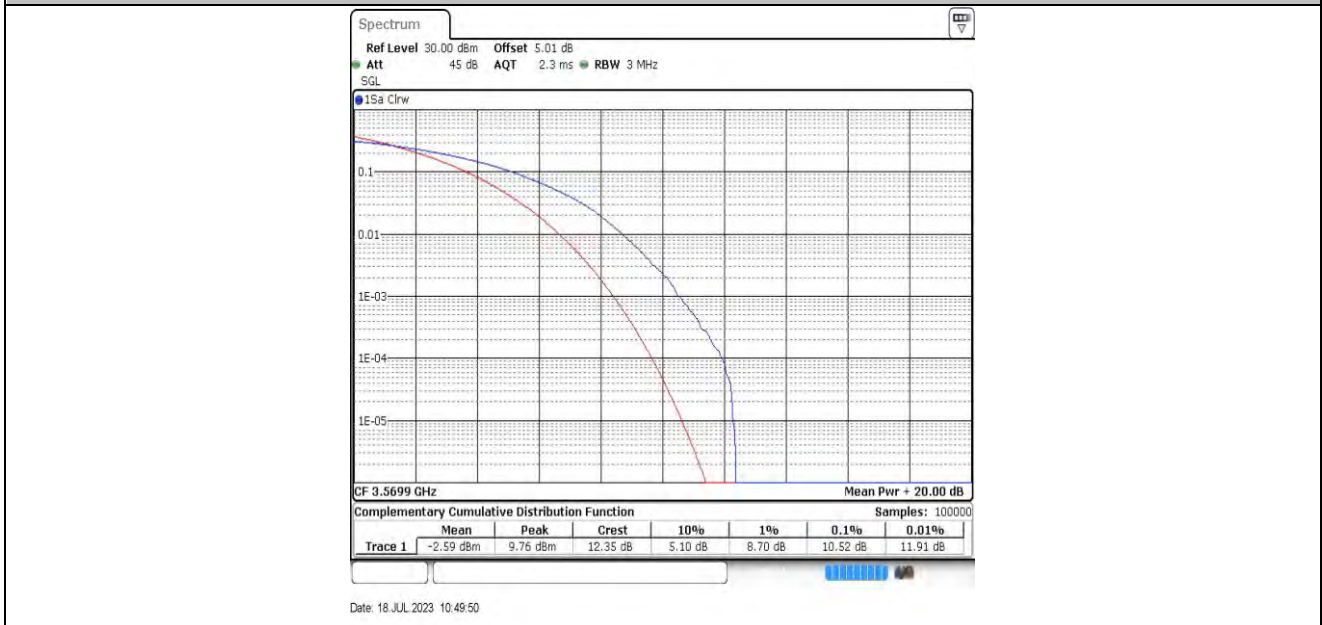
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20MHz-20MHz-56442-56640 64QAM-64QAM

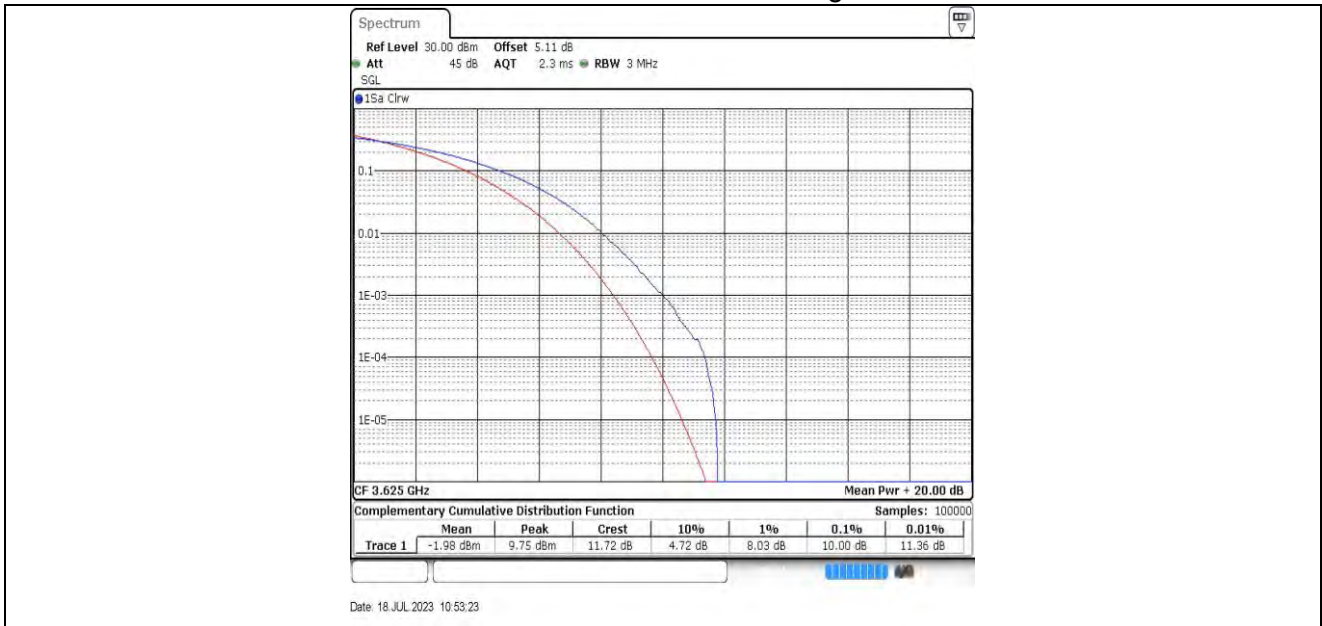


20MHz-20MHz-55340-55538 256QAM-256QAM

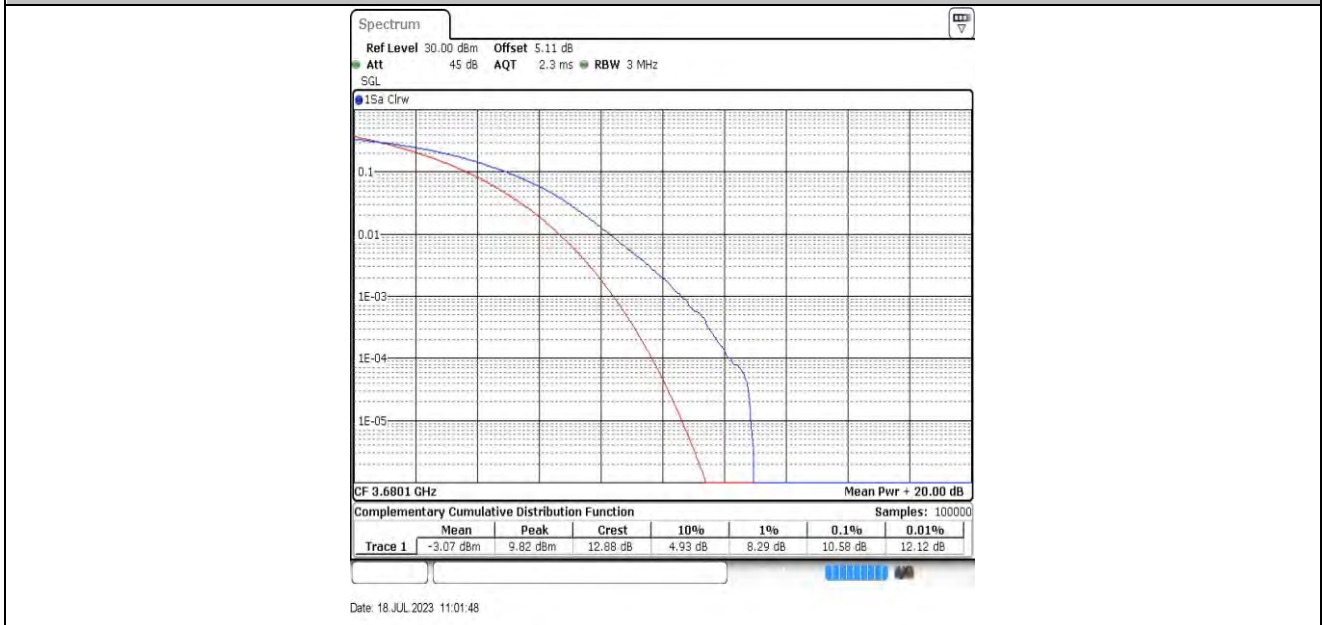


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20MHz-20MHz-55891-56089 256QAM-256QAM



20MHz-20MHz-56442-56640 256QAM-256QAM



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## 26dB Bandwidth and Occupied Bandwidth

### Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Occupied Bandwidth (MHz)	26dB Bandwidth (MHz)	Verdict
48-48	10MHz-20MHz	QPSK-QPSK	55295-55439	50RB#0-100RB#0	27.752	29.64	PASS
48-48	10MHz-20MHz	QPSK-QPSK	55896-56040	50RB#0-100RB#0	27.752	29.70	PASS
48-48	10MHz-20MHz	QPSK-QPSK	56496-56640	50RB#0-100RB#0	27.752	29.70	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55295-55439	50RB#0-100RB#0	27.692	29.52	PASS
48-48	10MHz-20MHz	16QAM-16QAM	55896-56040	50RB#0-100RB#0	27.632	29.58	PASS
48-48	10MHz-20MHz	16QAM-16QAM	56496-56640	50RB#0-100RB#0	27.632	29.58	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55295-55439	50RB#0-100RB#0	27.632	29.40	PASS
48-48	10MHz-20MHz	64QAM-64QAM	55896-56040	50RB#0-100RB#0	27.632	29.40	PASS
48-48	10MHz-20MHz	64QAM-64QAM	56496-56640	50RB#0-100RB#0	27.632	29.40	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55295-55439	50RB#0-100RB#0	27.632	29.70	PASS
48-48	10MHz-20MHz	256QAM-256QAM	55896-56040	50RB#0-100RB#0	27.632	29.76	PASS
48-48	10MHz-20MHz	256QAM-256QAM	56496-56640	50RB#0-100RB#0	27.632	29.70	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55318-55489	75RB#0-100RB#0	32.657	34.86	PASS
48-48	15MHz-20MHz	QPSK-QPSK	55893-56064	75RB#0-100RB#0	32.657	34.93	PASS
48-48	15MHz-20MHz	QPSK-QPSK	56469-56640	75RB#0-100RB#0	32.587	34.93	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55318-55489	75RB#0-100RB#0	32.587	34.30	PASS
48-48	15MHz-20MHz	16QAM-16QAM	55893-56064	75RB#0-100RB#0	32.587	34.44	PASS
48-48	15MHz-20MHz	16QAM-16QAM	56469-56640	75RB#0-100RB#0	32.587	34.51	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55318-55489	75RB#0-100RB#0	32.517	34.93	PASS
48-48	15MHz-20MHz	64QAM-64QAM	55893-56064	75RB#0-100RB#0	32.517	34.93	PASS
48-48	15MHz-20MHz	64QAM-64QAM	56469-56640	75RB#0-100RB#0	32.517	34.86	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55318-55489	75RB#0-100RB#0	32.517	34.72	PASS
48-48	15MHz-20MHz	256QAM-256QAM	55893-56064	75RB#0-100RB#0	32.517	34.79	PASS
48-48	15MHz-20MHz	256QAM-256QAM	56469-56640	75RB#0-100RB#0	32.517	34.79	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55340-55484	100RB#0-50RB#0	27.752	29.82	PASS
48-48	20MHz-10MHz	QPSK-QPSK	55941-56085	100RB#0-50RB#0	27.812	29.88	PASS
48-48	20MHz-10MHz	QPSK-QPSK	56541-56685	100RB#0-50RB#0	27.812	29.82	PASS
48-48	20MHz-10MHz	16QAM-16QAM	56541-56685	100RB#0-50RB#0	27.752	29.64	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55340-55484	100RB#0-50RB#0	27.752	29.64	PASS
48-48	20MHz-10MHz	16QAM-16QAM	55941-56085	100RB#0-50RB#0	27.752	29.70	PASS



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48-48	20MHz-10MHz	64QAM-64QAM	55340-55484	100RB#0-50RB#0	27.692	30.96	PASS
48-48	20MHz-10MHz	64QAM-64QAM	55941-56085	100RB#0-50RB#0	27.692	30.78	PASS
48-48	20MHz-10MHz	64QAM-64QAM	56541-56685	100RB#0-50RB#0	27.692	30.84	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55340-55484	100RB#0-50RB#0	27.752	29.76	PASS
48-48	20MHz-10MHz	256QAM-256QAM	55941-56085	100RB#0-50RB#0	27.752	29.94	PASS
48-48	20MHz-10MHz	256QAM-256QAM	56541-56685	100RB#0-50RB#0	27.752	29.88	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55916-56087	100RB#0-75RB#0	32.657	34.72	PASS
48-48	20MHz-15MHz	QPSK-QPSK	56491-56662	100RB#0-75RB#0	32.657	34.58	PASS
48-48	20MHz-15MHz	QPSK-QPSK	55340-55511	100RB#0-75RB#0	32.657	34.72	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55916-56087	100RB#0-75RB#0	32.657	34.65	PASS
48-48	20MHz-15MHz	16QAM-16QAM	56491-56662	100RB#0-75RB#0	32.657	34.72	PASS
48-48	20MHz-15MHz	16QAM-16QAM	55340-55511	100RB#0-75RB#0	32.587	34.65	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55340-55511	100RB#0-75RB#0	32.517	35.07	PASS
48-48	20MHz-15MHz	64QAM-64QAM	55916-56087	100RB#0-75RB#0	32.517	34.93	PASS
48-48	20MHz-15MHz	64QAM-64QAM	56491-56662	100RB#0-75RB#0	32.517	35.00	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55340-55511	100RB#0-75RB#0	32.587	34.58	PASS
48-48	20MHz-15MHz	256QAM-256QAM	55916-56087	100RB#0-75RB#0	32.587	34.72	PASS
48-48	20MHz-15MHz	256QAM-256QAM	56491-56662	100RB#0-75RB#0	32.587	34.58	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55340-55538	100RB#0-100RB#0	37.882	41.84	PASS
48-48	20MHz-20MHz	QPSK-QPSK	55891-56089	100RB#0-100RB#0	37.882	41.92	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	37.802	41.76	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55340-55538	100RB#0-100RB#0	37.722	41.12	PASS
48-48	20MHz-20MHz	16QAM-16QAM	55891-56089	100RB#0-100RB#0	37.642	41.12	PASS
48-48	20MHz-20MHz	16QAM-16QAM	56442-56640	100RB#0-100RB#0	37.722	41.12	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55340-55538	100RB#0-100RB#0	37.722	42.72	PASS
48-48	20MHz-20MHz	64QAM-64QAM	55891-56089	100RB#0-100RB#0	37.722	42.80	PASS
48-48	20MHz-20MHz	64QAM-64QAM	56442-56640	100RB#0-100RB#0	37.642	42.48	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55340-55538	100RB#0-100RB#0	37.722	41.04	PASS
48-48	20MHz-20MHz	256QAM-256QAM	55891-56089	100RB#0-100RB#0	37.722	41.20	PASS
48-48	20MHz-20MHz	256QAM-256QAM	56442-56640	100RB#0-100RB#0	37.722	40.96	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55340-55457	100RB#0-25RB#0	22.977	25.10	PASS
48-48	20MHz-5MHz	QPSK-QPSK	55965-56082	100RB#0-25RB#0	22.977	25.10	PASS
48-48	20MHz-5MHz	QPSK-QPSK	56590-56707	100RB#0-25RB#0	22.977	25.15	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55340-55457	100RB#0-25RB#0	22.977	26.10	PASS
48-48	20MHz-5MHz	16QAM-16QAM	55965-56082	100RB#0-25RB#0	22.977	26.35	PASS
48-48	20MHz-5MHz	16QAM-16QAM	56590-56707	100RB#0-25RB#0	22.977	26.35	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55340-55457	100RB#0-25RB#0	22.877	24.90	PASS
48-48	20MHz-5MHz	64QAM-64QAM	55965-56082	100RB#0-25RB#0	22.877	24.80	PASS



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48-48	20MHz-5MHz	64QAM-64QAM	56590-56707	100RB#0-25RB#0	22.877	24.95	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55340-55457	100RB#0-25RB#0	22.977	25.50	PASS
48-48	20MHz-5MHz	256QAM-256QAM	55965-56082	100RB#0-25RB#0	22.977	24.75	PASS
48-48	20MHz-5MHz	256QAM-256QAM	56590-56707	100RB#0-25RB#0	22.977	24.80	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55273-55390	25RB#0-100RB#0	22.977	25.25	PASS
48-48	5MHz-20MHz	QPSK-QPSK	55898-56015	25RB#0-100RB#0	22.977	25.45	PASS
48-48	5MHz-20MHz	QPSK-QPSK	56523-56640	25RB#0-100RB#0	22.977	25.45	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55273-55390	25RB#0-100RB#0	22.877	24.30	PASS
48-48	5MHz-20MHz	16QAM-16QAM	55898-56015	25RB#0-100RB#0	22.877	24.25	PASS
48-48	5MHz-20MHz	16QAM-16QAM	56523-56640	25RB#0-100RB#0	22.877	24.25	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55273-55390	25RB#0-100RB#0	22.777	24.75	PASS
48-48	5MHz-20MHz	64QAM-64QAM	55898-56015	25RB#0-100RB#0	22.777	24.95	PASS
48-48	5MHz-20MHz	64QAM-64QAM	56523-56640	25RB#0-100RB#0	22.827	24.60	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55273-55390	25RB#0-100RB#0	22.827	24.15	PASS
48-48	5MHz-20MHz	256QAM-256QAM	55898-56015	25RB#0-100RB#0	22.827	24.55	PASS
48-48	5MHz-20MHz	256QAM-256QAM	56523-56640	25RB#0-100RB#0	22.827	24.10	PASS

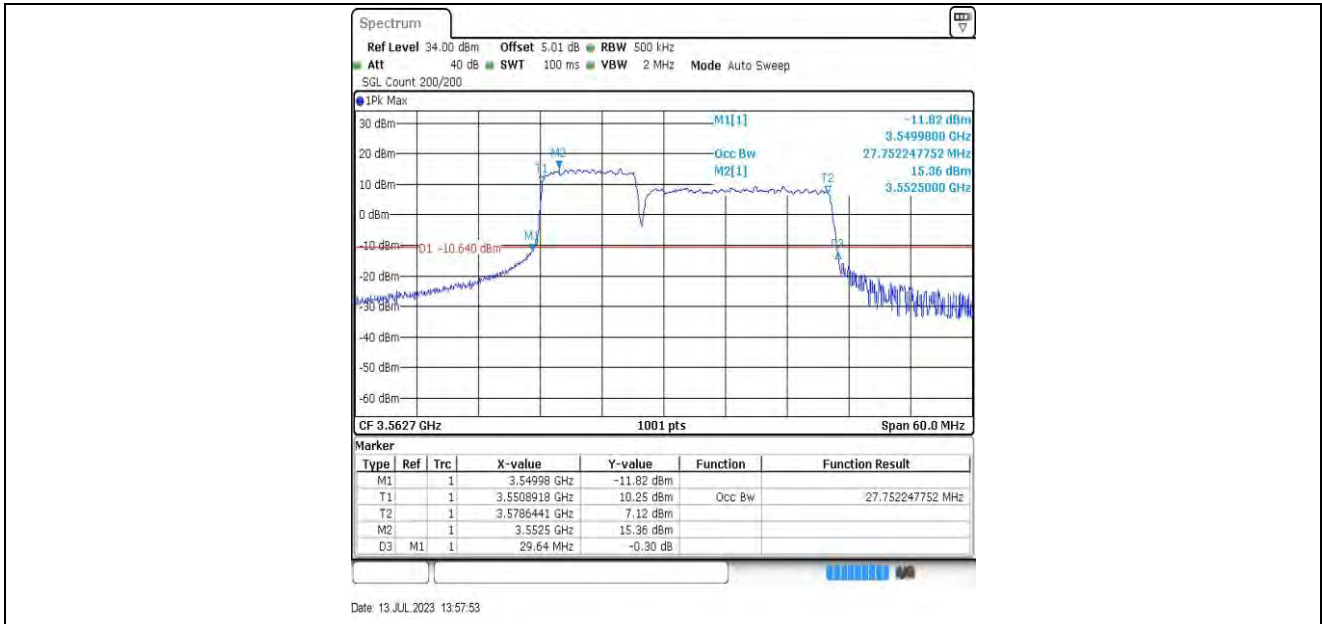


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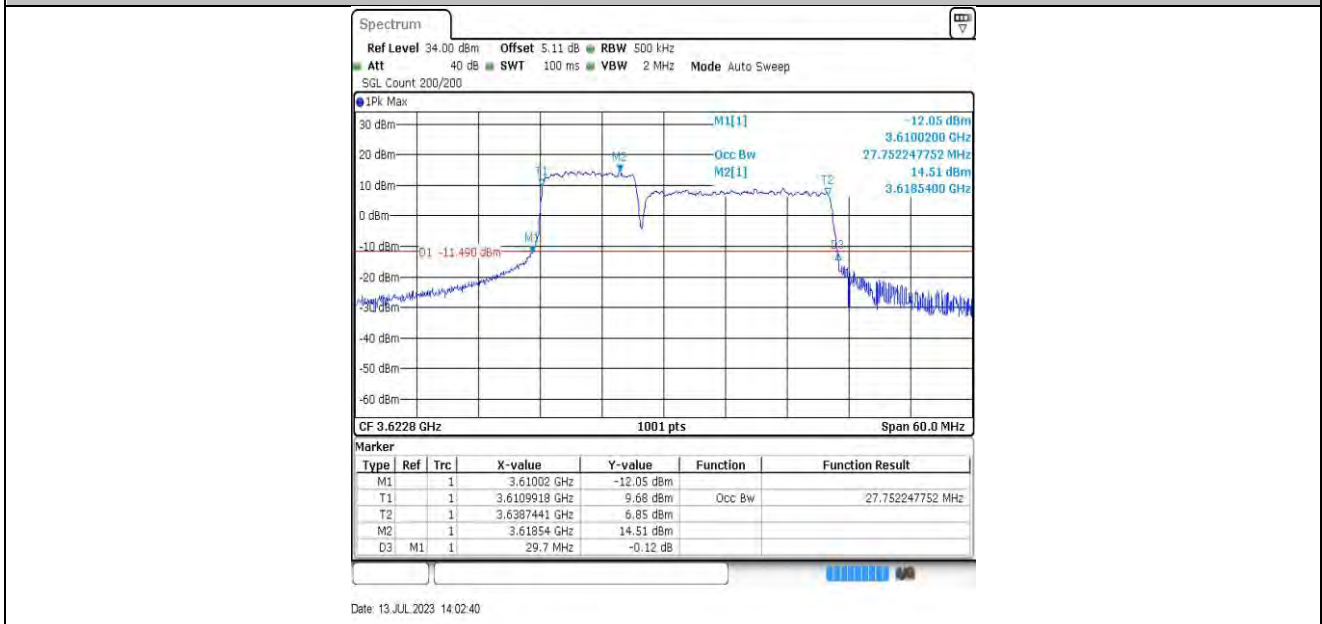
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**Test Graphs**



**10MHz-20MHz-55295-55439 QPSK-QPSK**



**10MHz-20MHz-55896-56040 QPSK-QPSK**

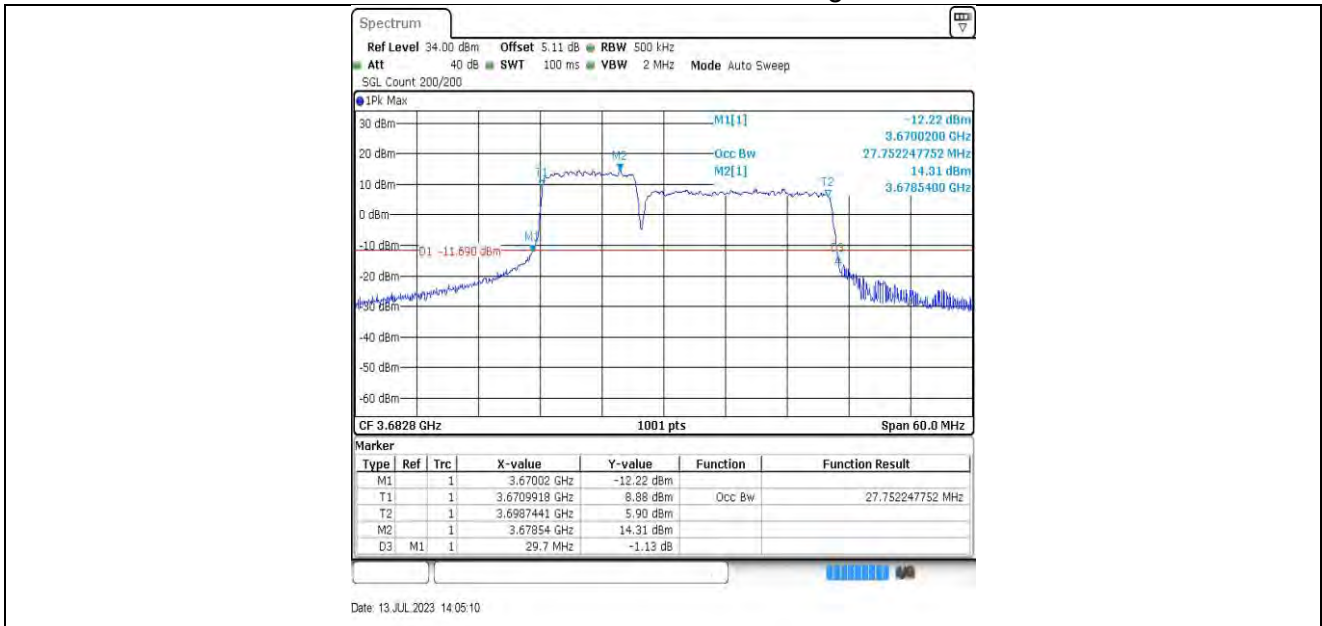


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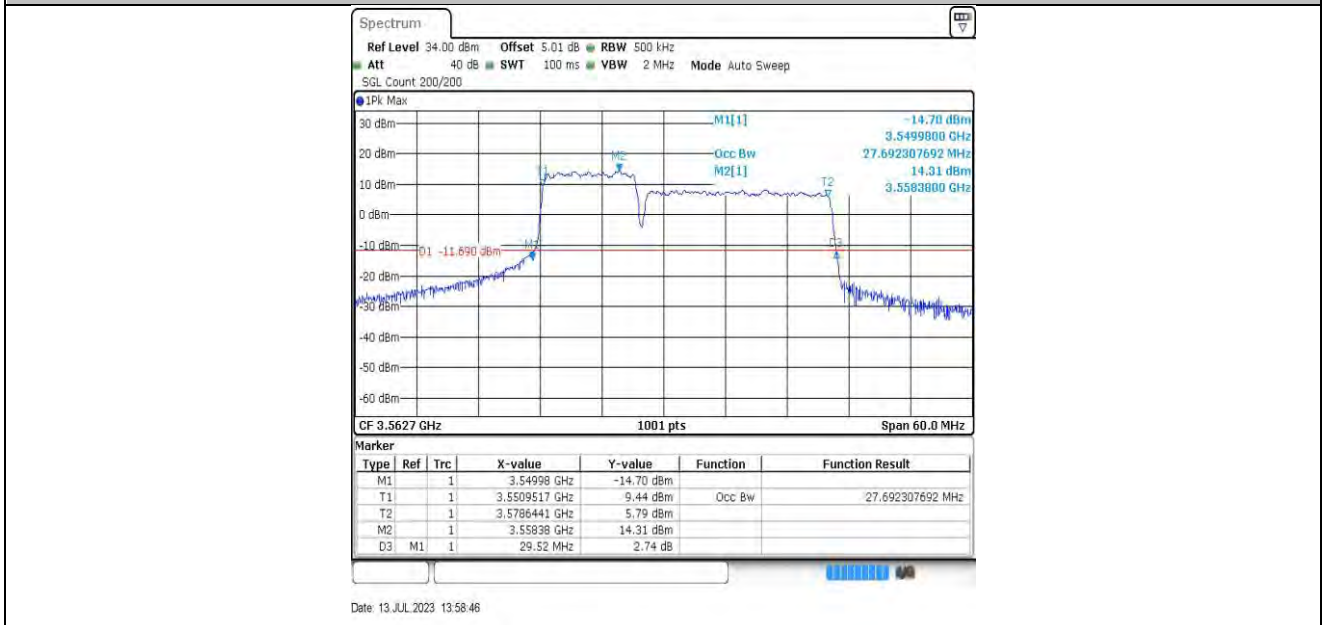
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### 10MHz-20MHz-56496-56640 QPSK-QPSK



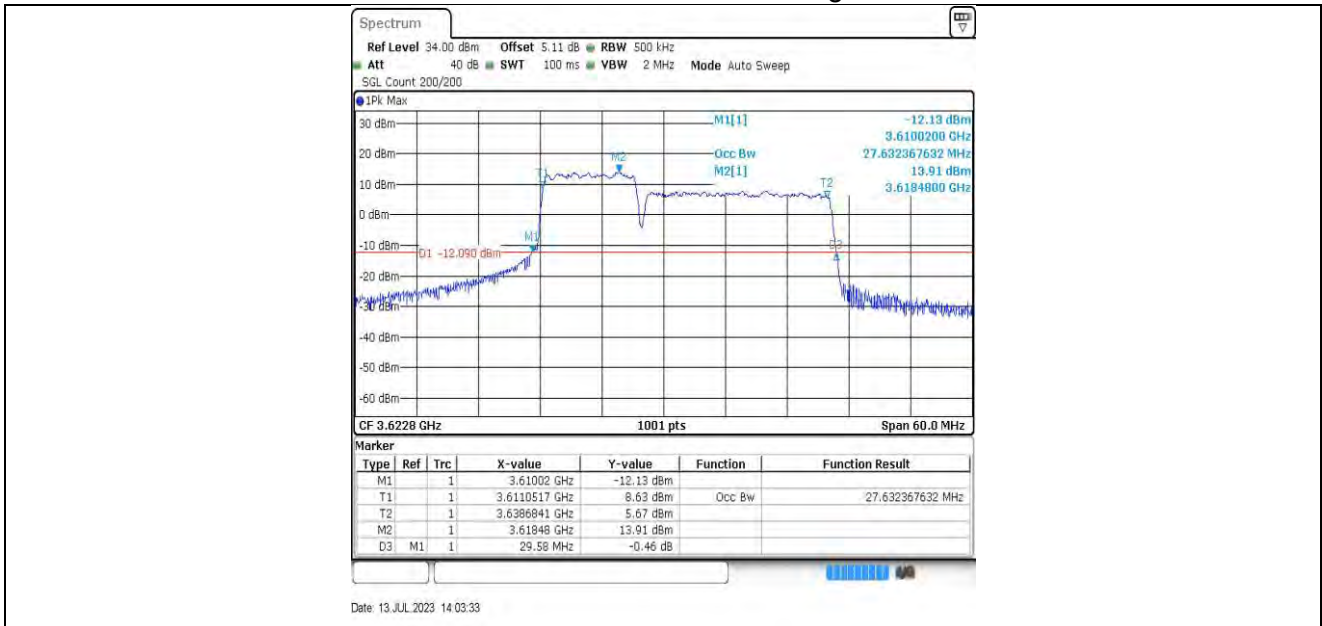
### 10MHz-20MHz-55295-55439 16QAM-16QAM



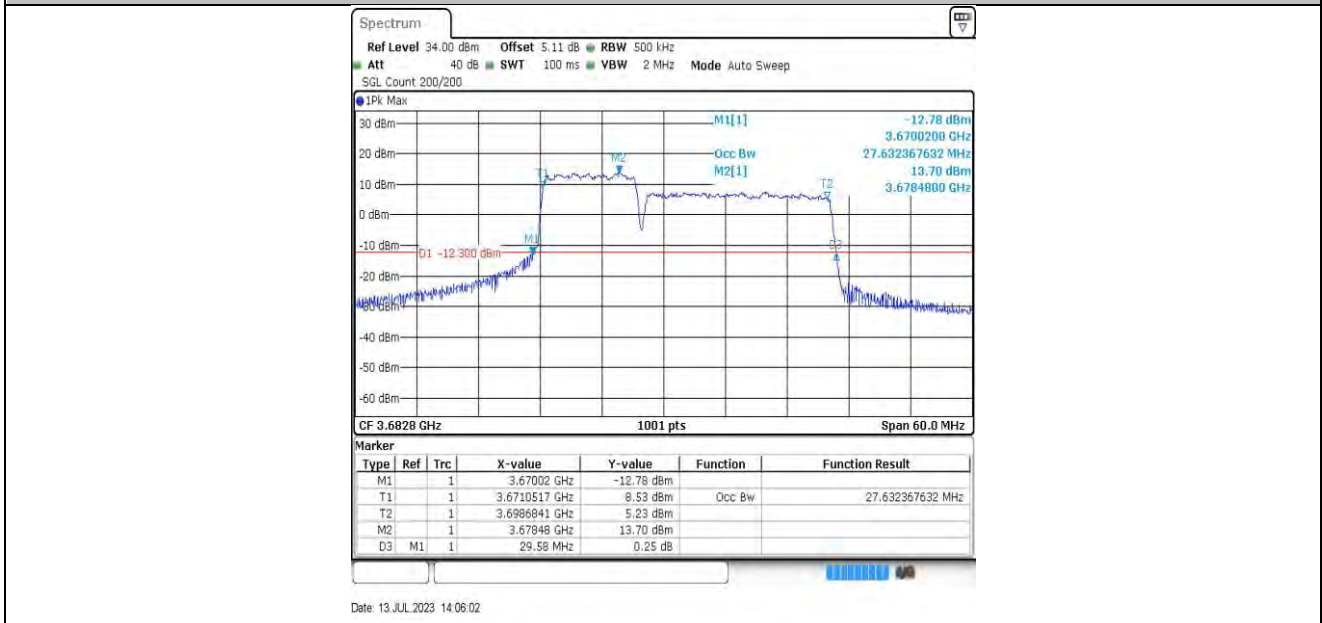
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### 10MHz-20MHz-55896-56040 16QAM-16QAM

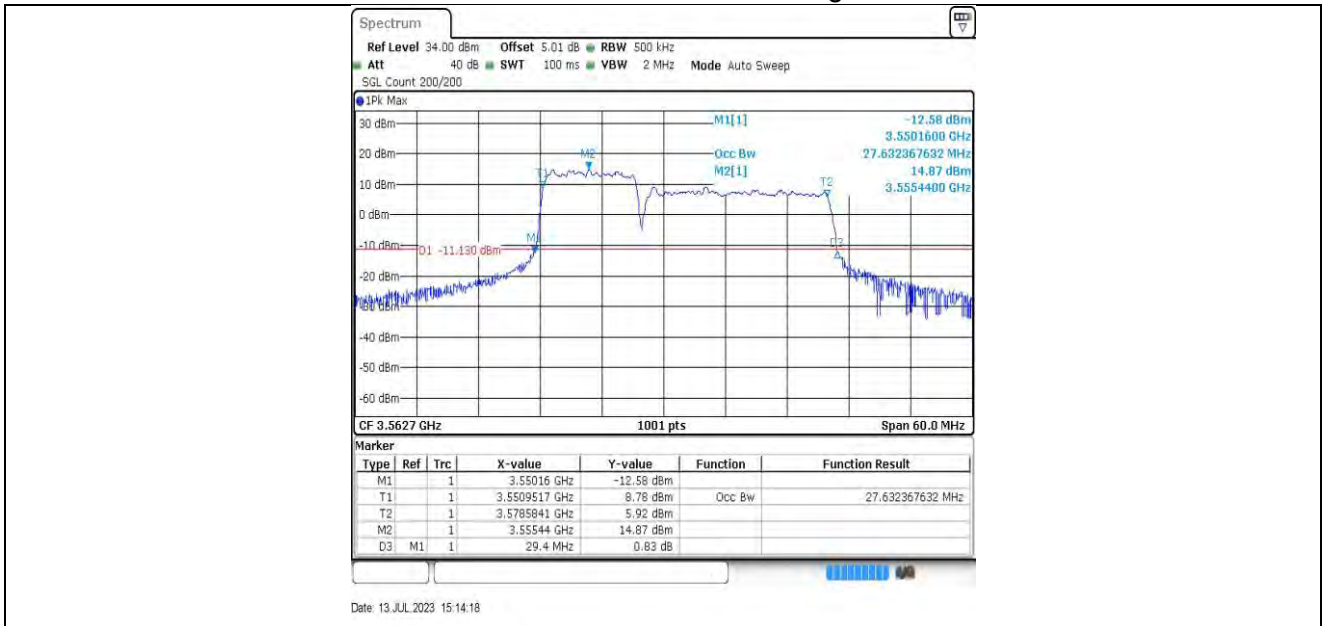


### 10MHz-20MHz-56496-56640 16QAM-16QAM

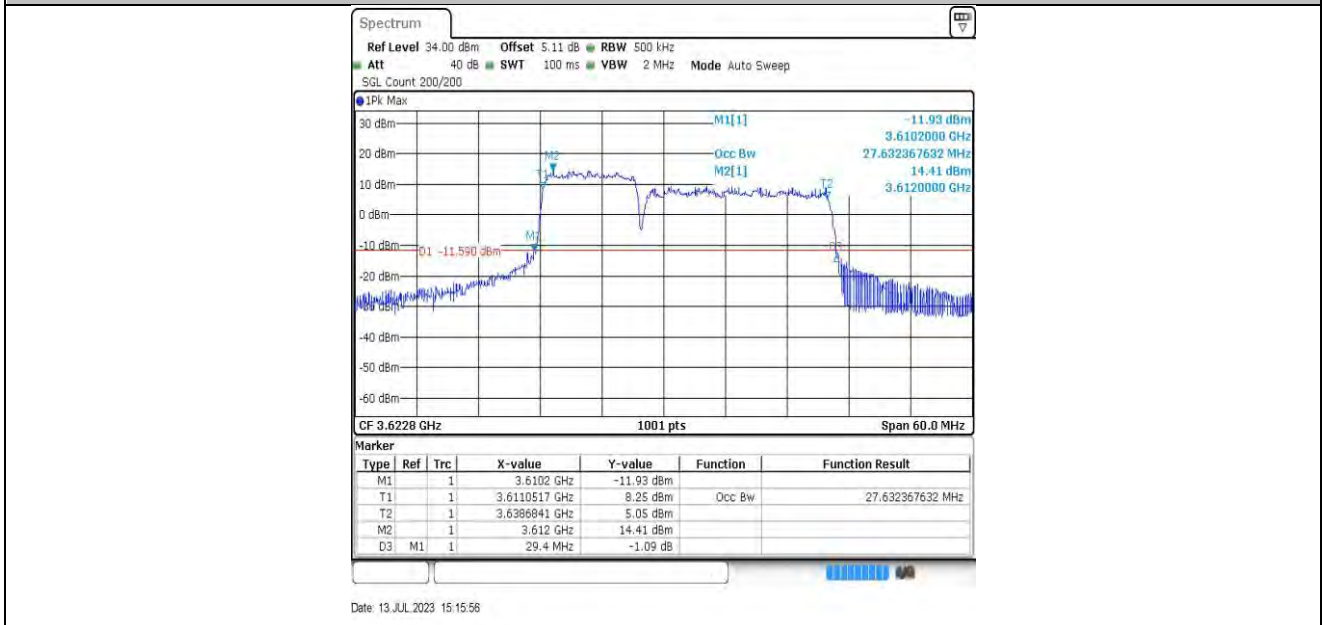


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10MHz-20MHz-55295-55439 64QAM-64QAM



10MHz-20MHz-55896-56040 64QAM-64QAM

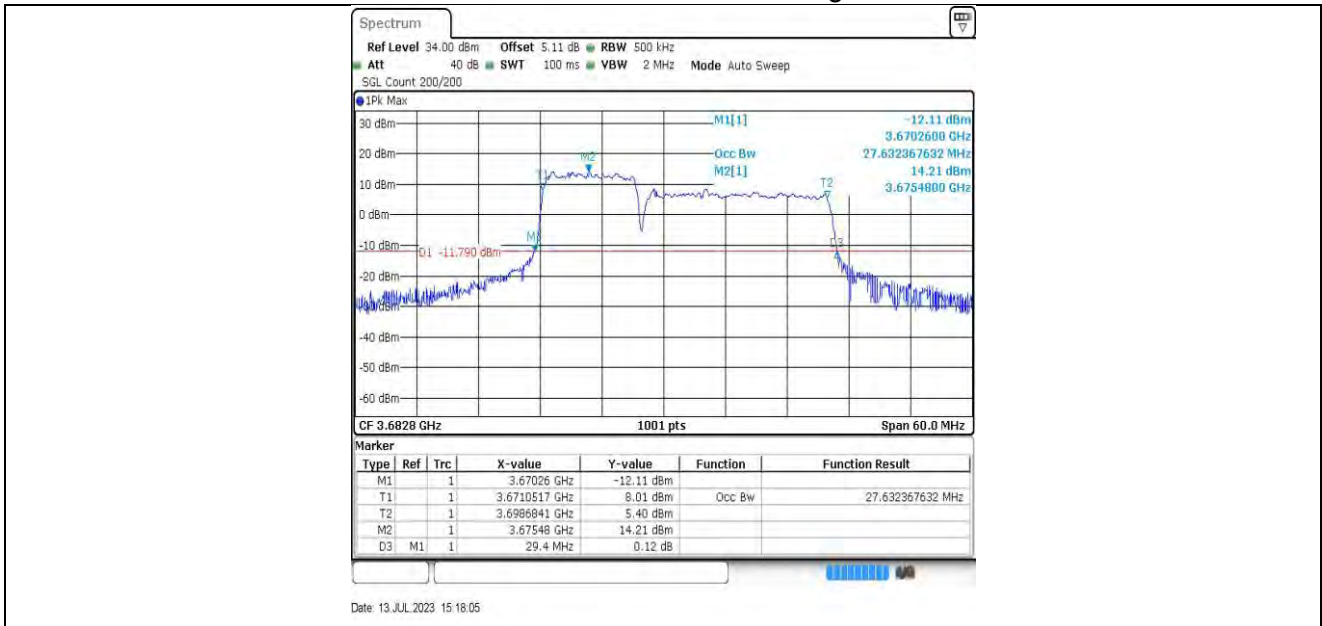


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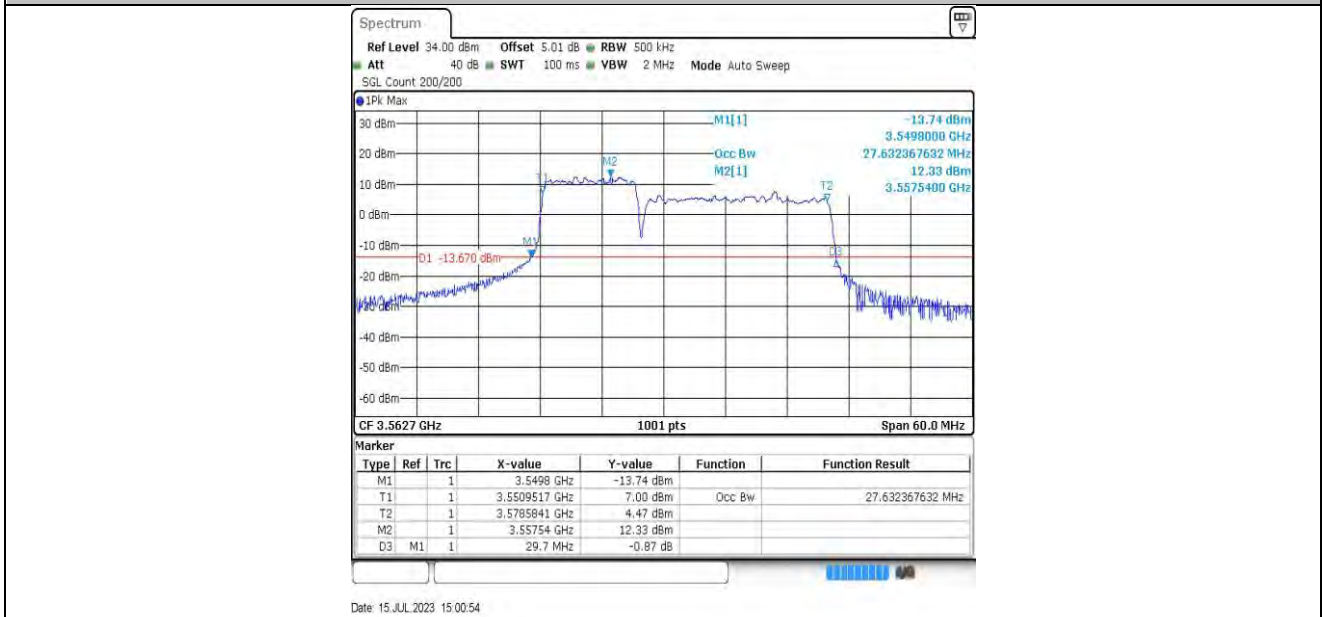
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### 10MHz-20MHz-56496-56640 64QAM-64QAM

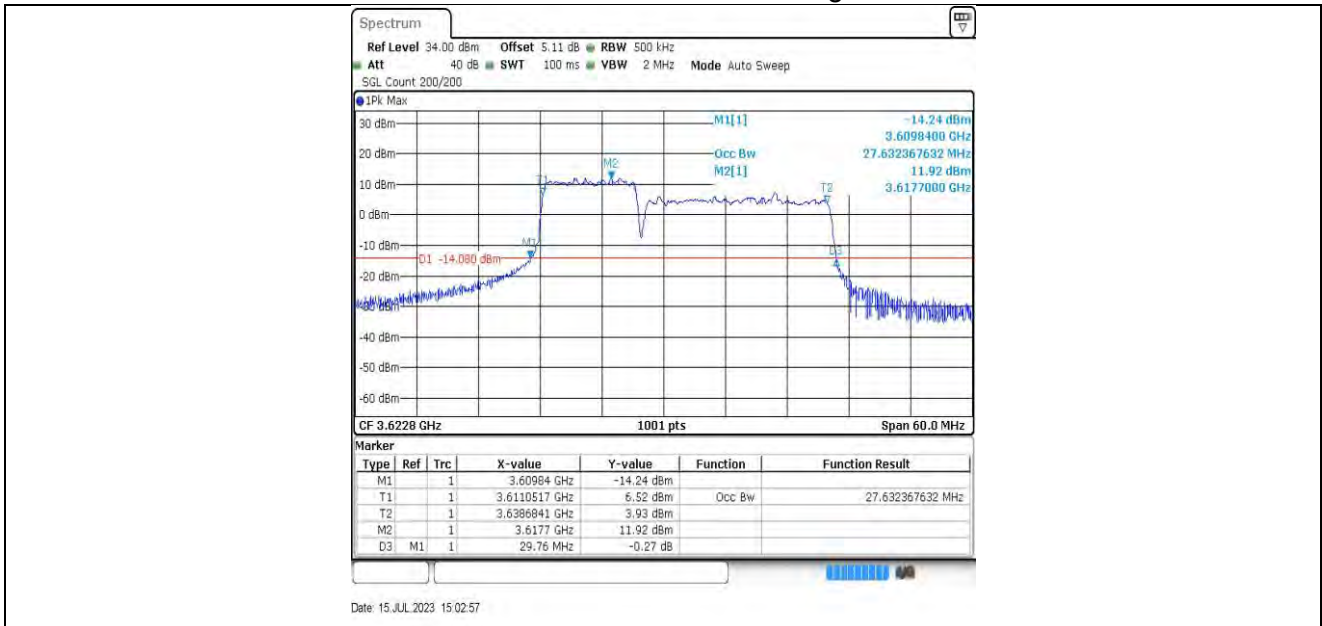


### 10MHz-20MHz-55295-55439 256QAM-256QAM

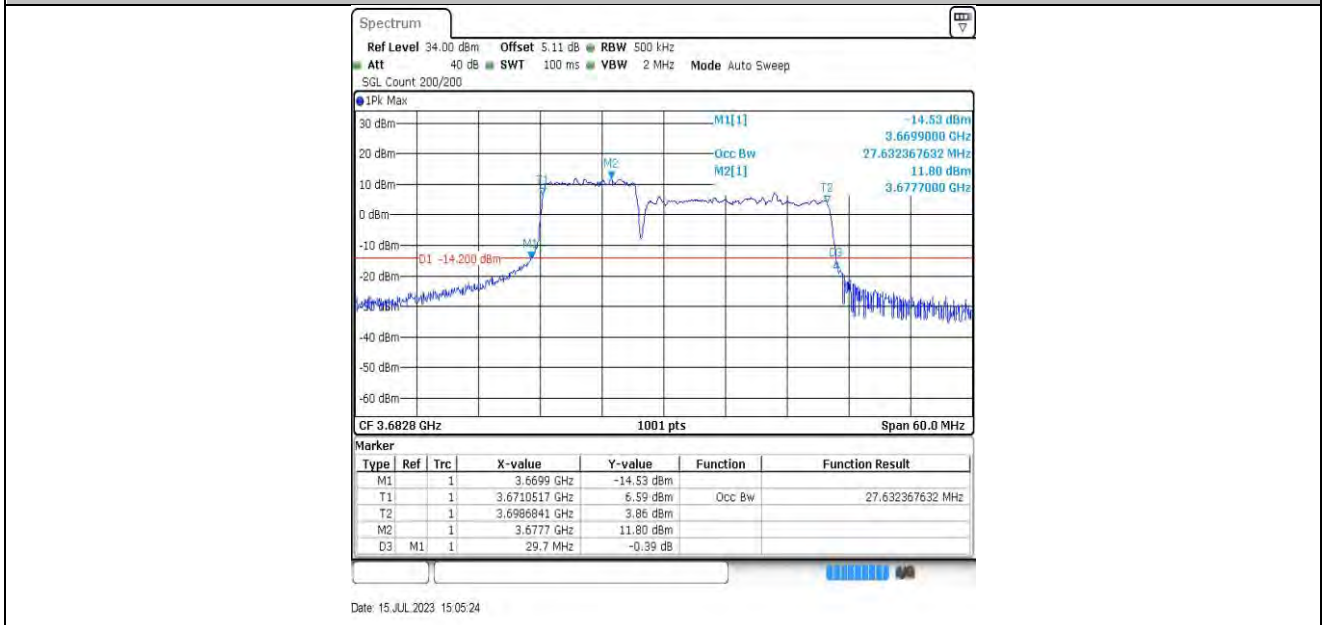


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### 10MHz-20MHz-55896-56040 256QAM-256QAM

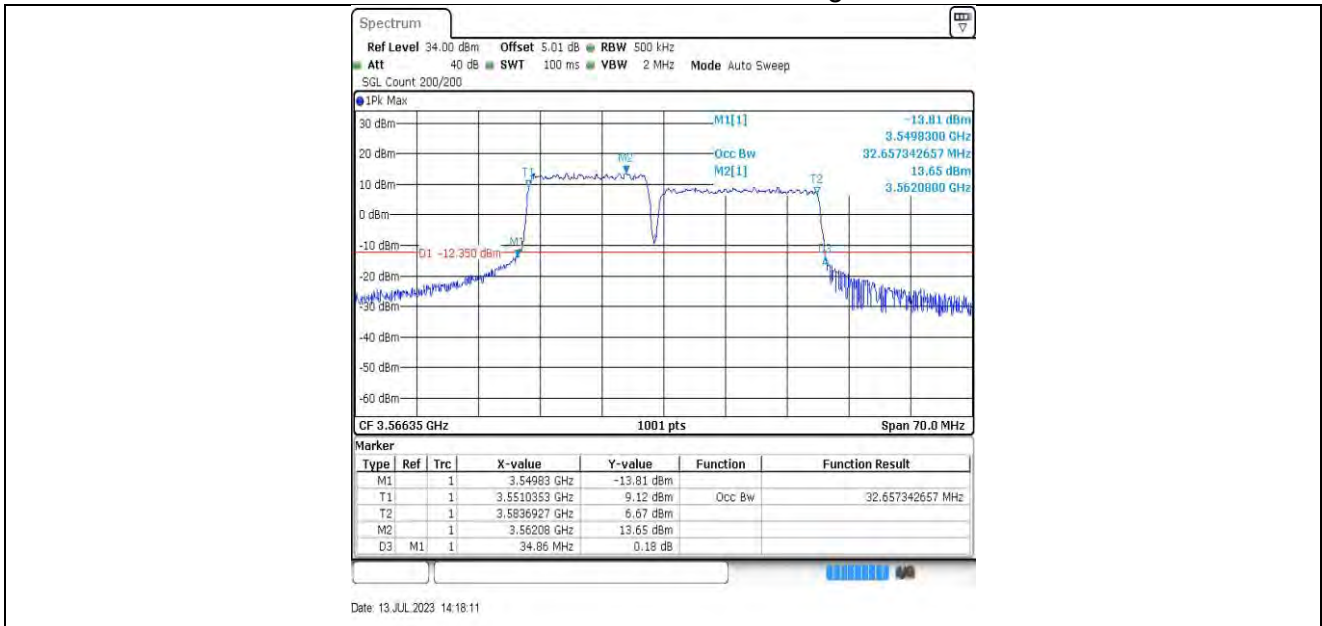


### 10MHz-20MHz-56496-56640 256QAM-256QAM

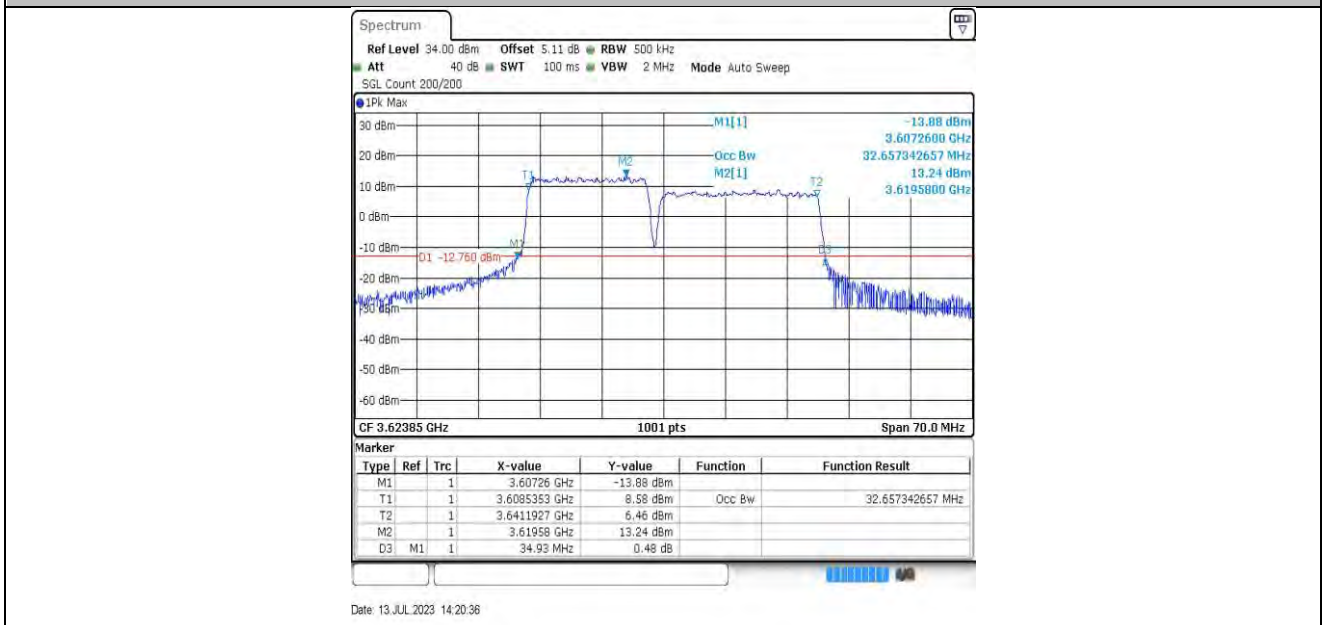


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### 15MHz-20MHz-55318-55489 QPSK-QPSK



### 15MHz-20MHz-55893-56064 QPSK-QPSK



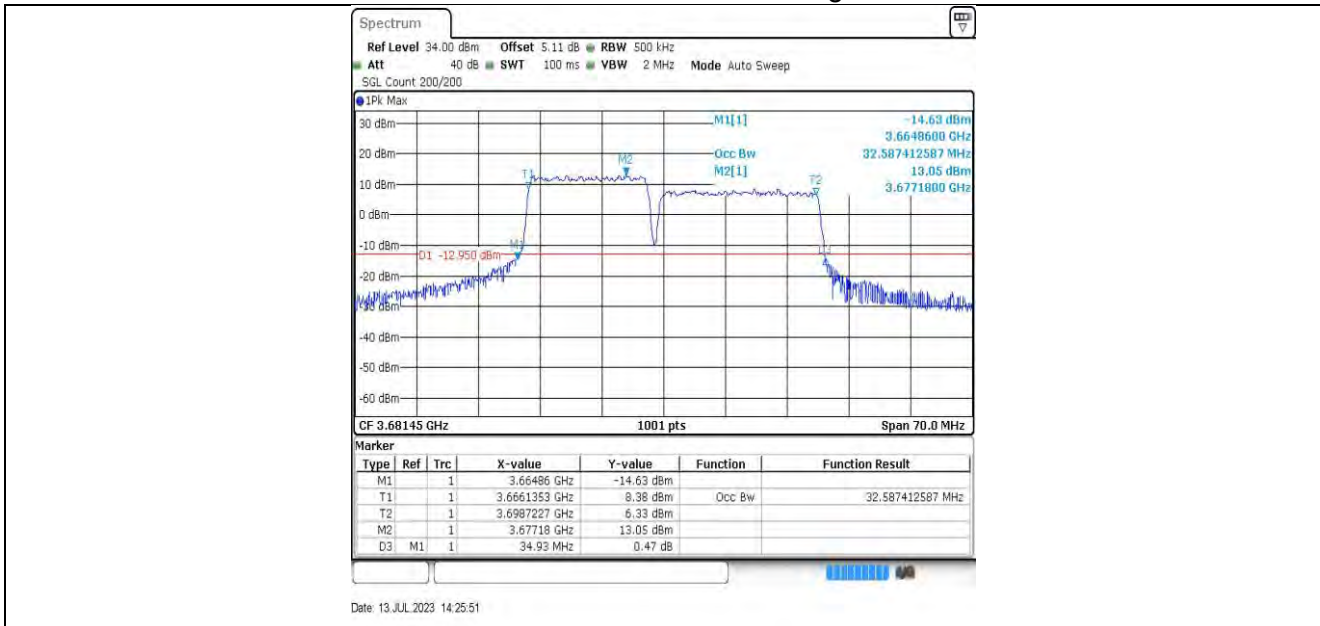
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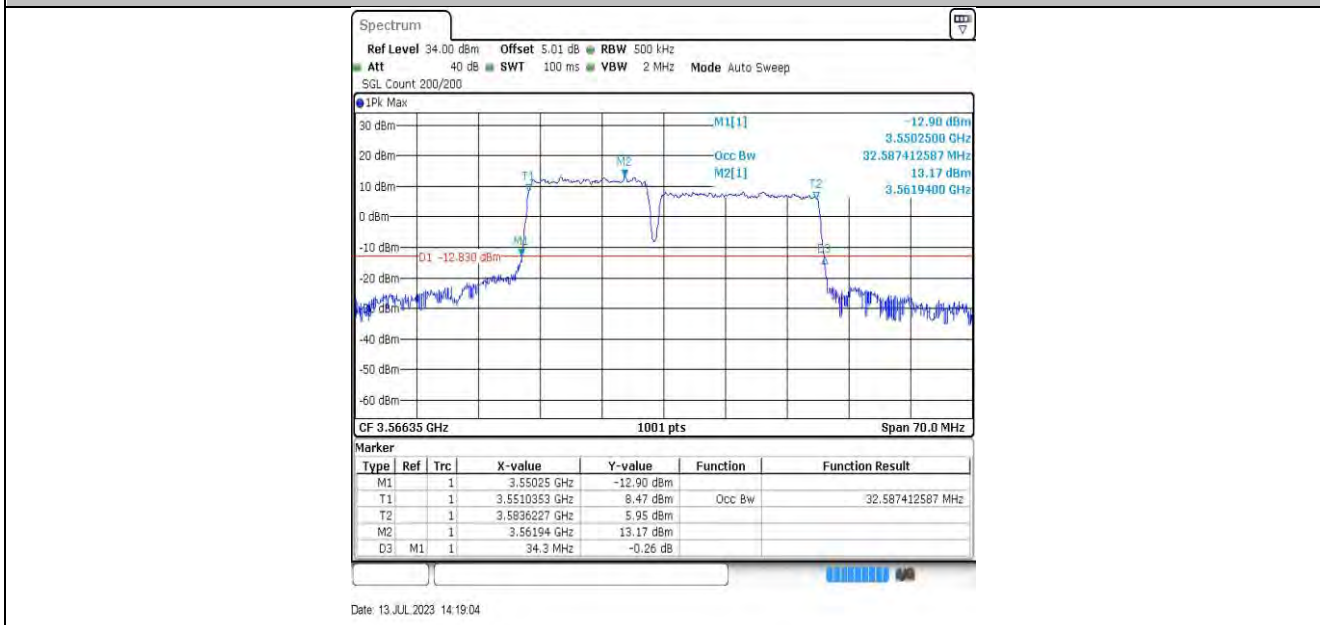
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### 15MHz-20MHz-56469-56640 QPSK-QPSK



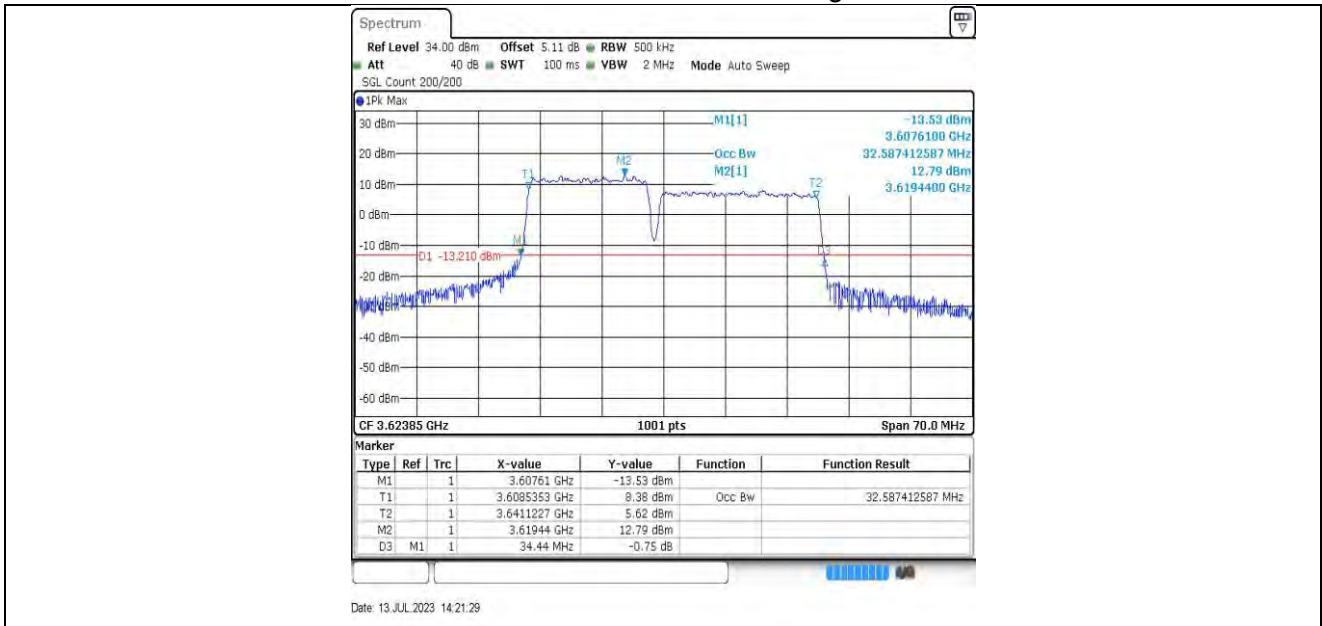
### 15MHz-20MHz-55318-55489 16QAM-16QAM



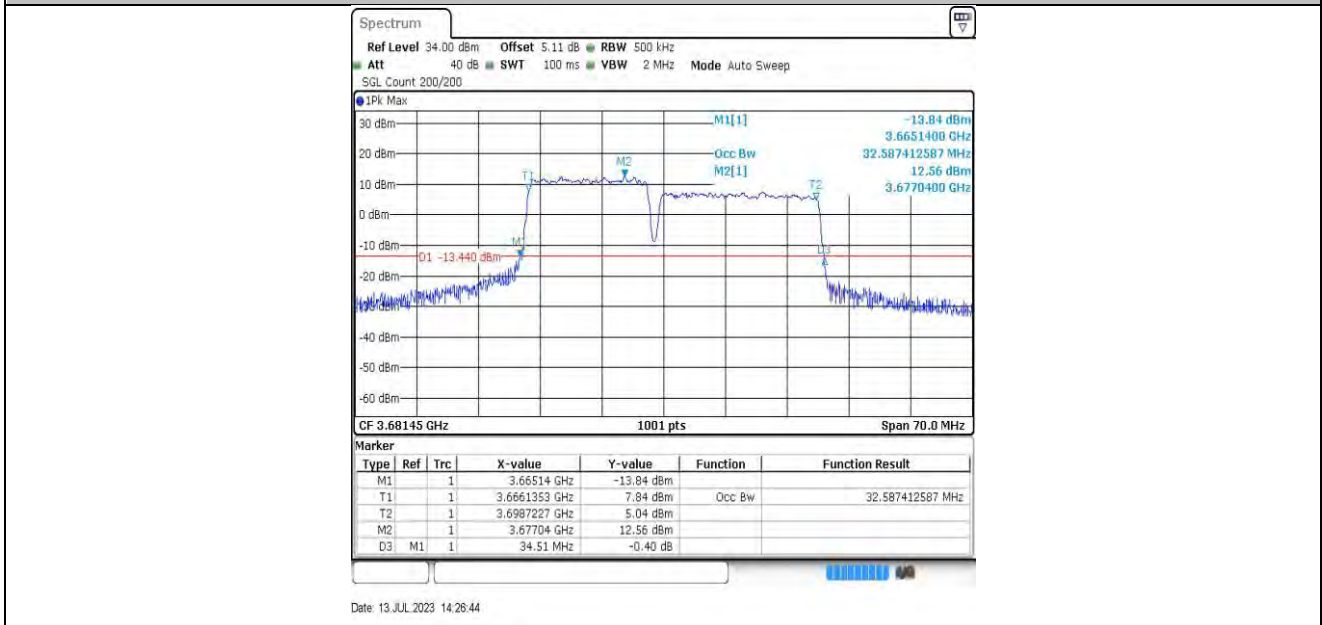
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15MHz-20MHz-55893-56064 16QAM-16QAM



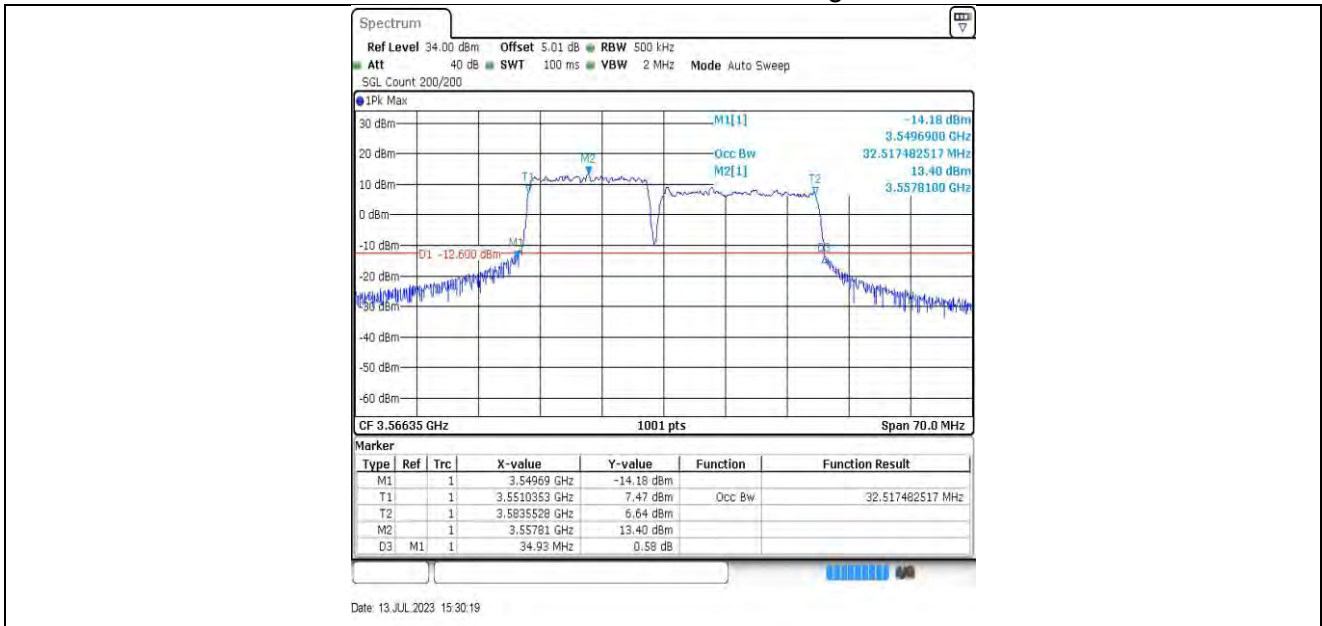
15MHz-20MHz-56469-56640 16QAM-16QAM



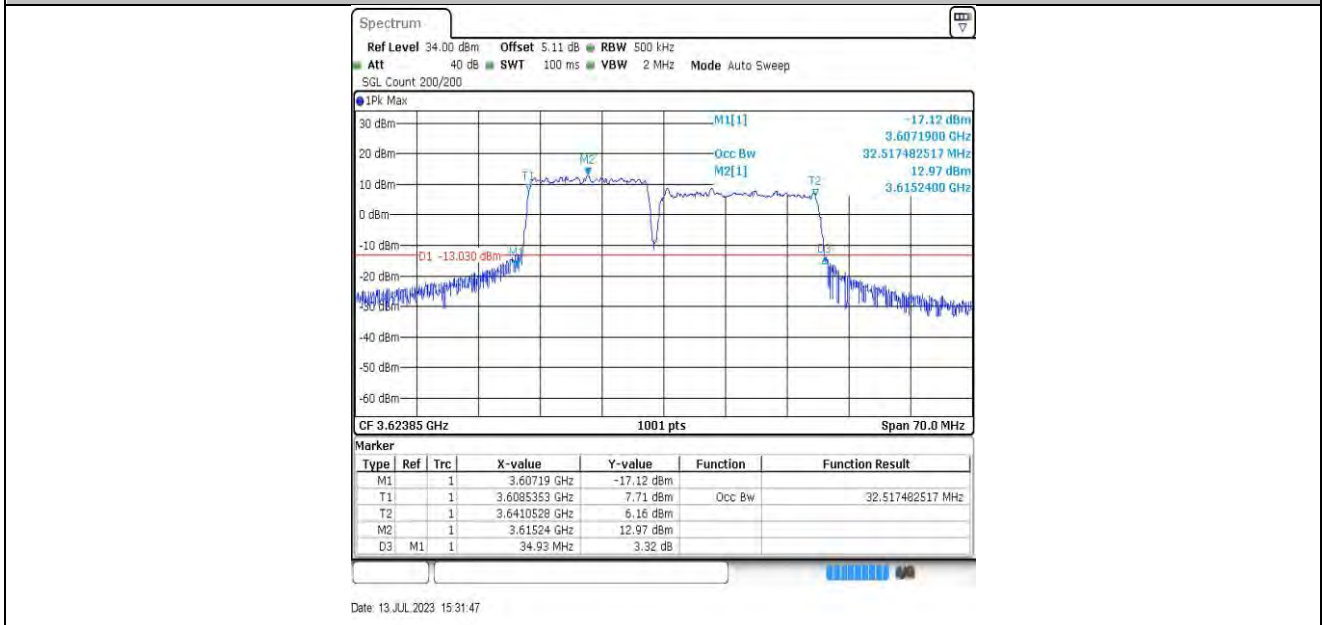
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### 15MHz-20MHz-55318-55489 64QAM-64QAM



### 15MHz-20MHz-55893-56064 64QAM-64QAM

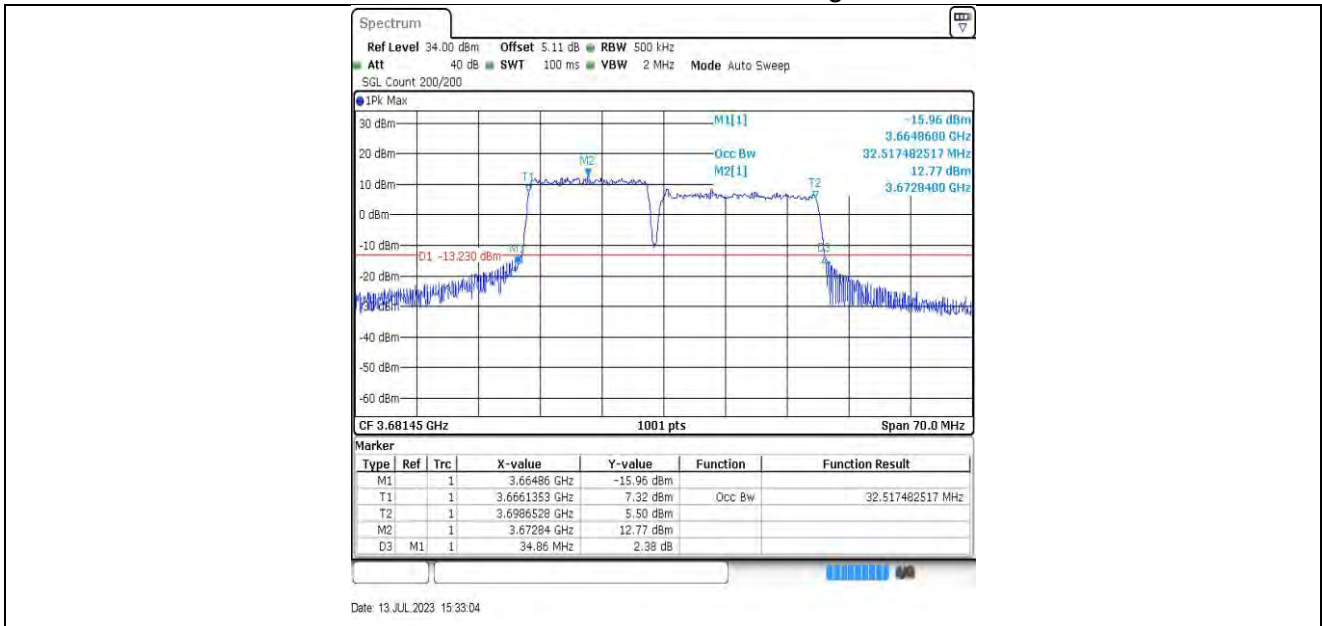


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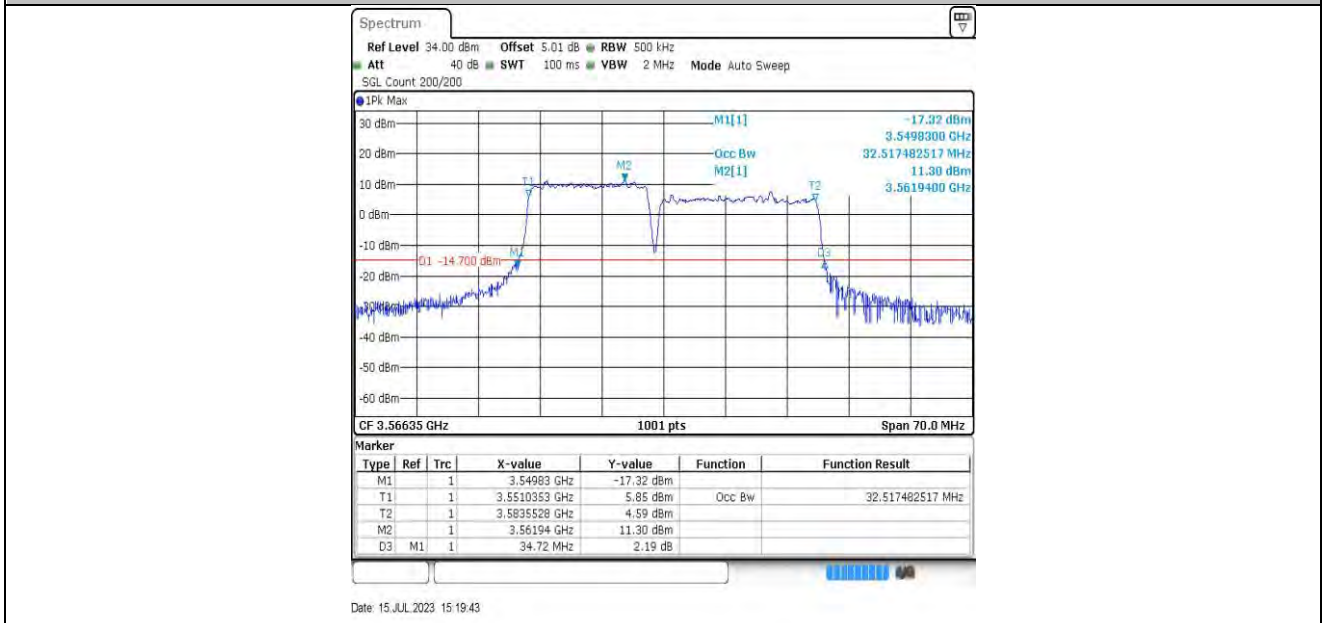
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### 15MHz-20MHz-56469-56640 64QAM-64QAM



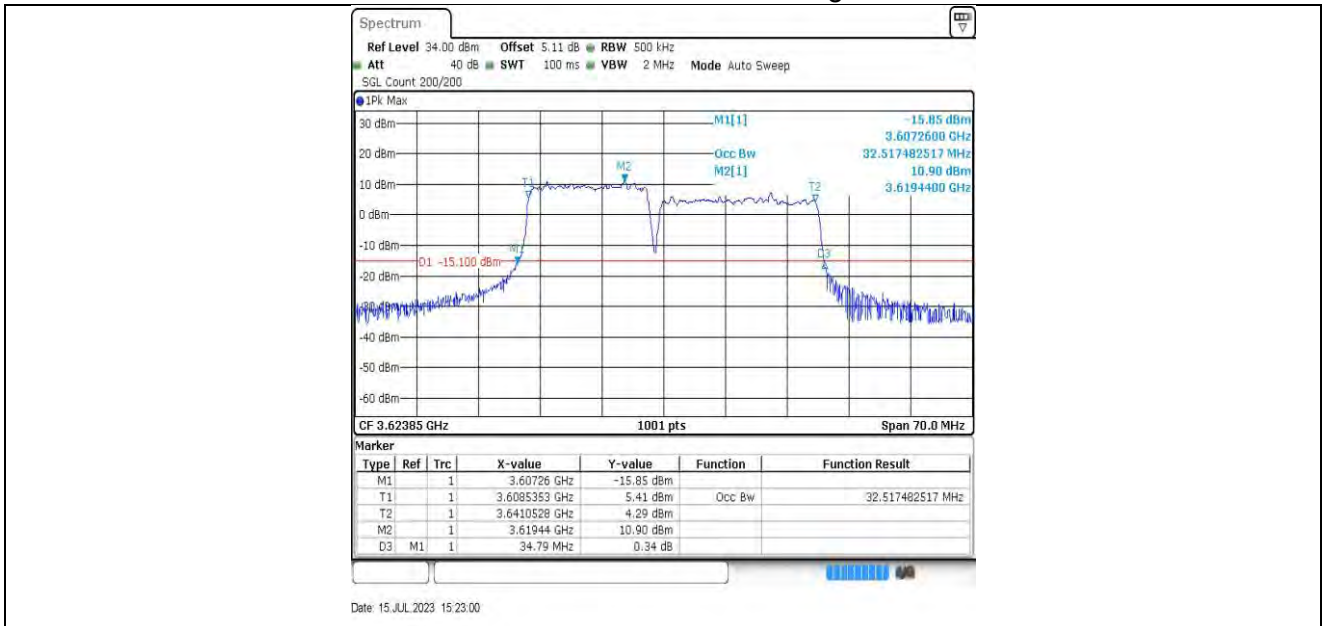
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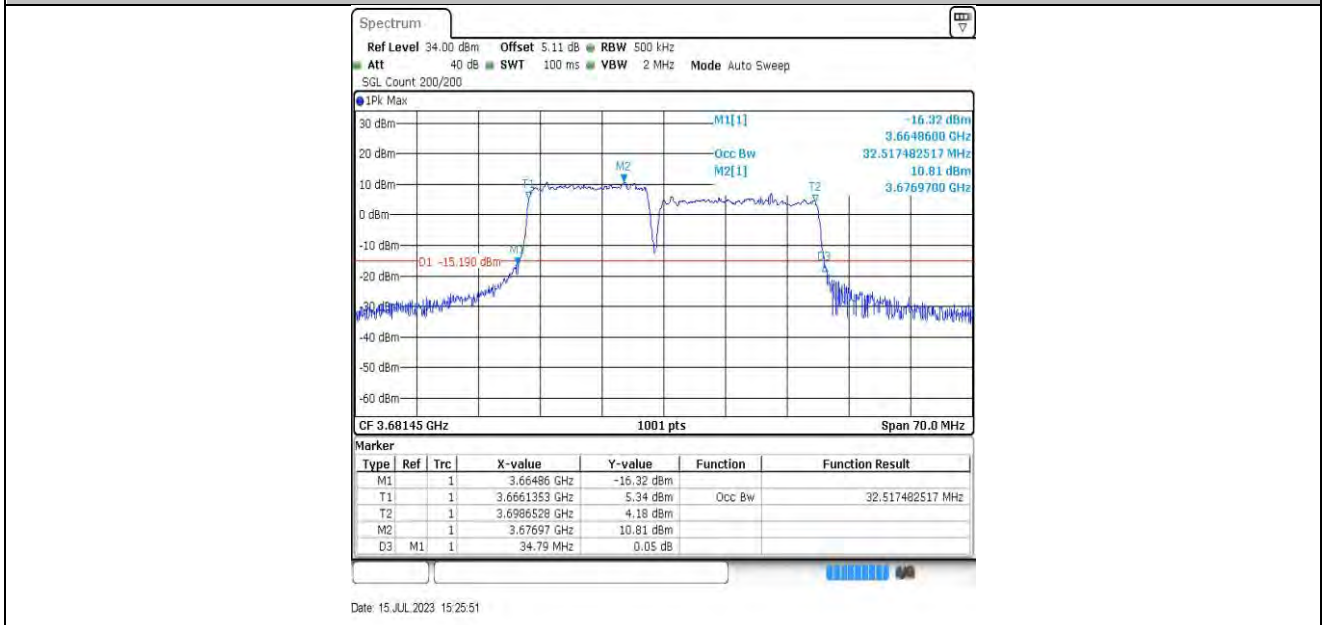
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### 15MHz-20MHz-55893-56064 256QAM-256QAM

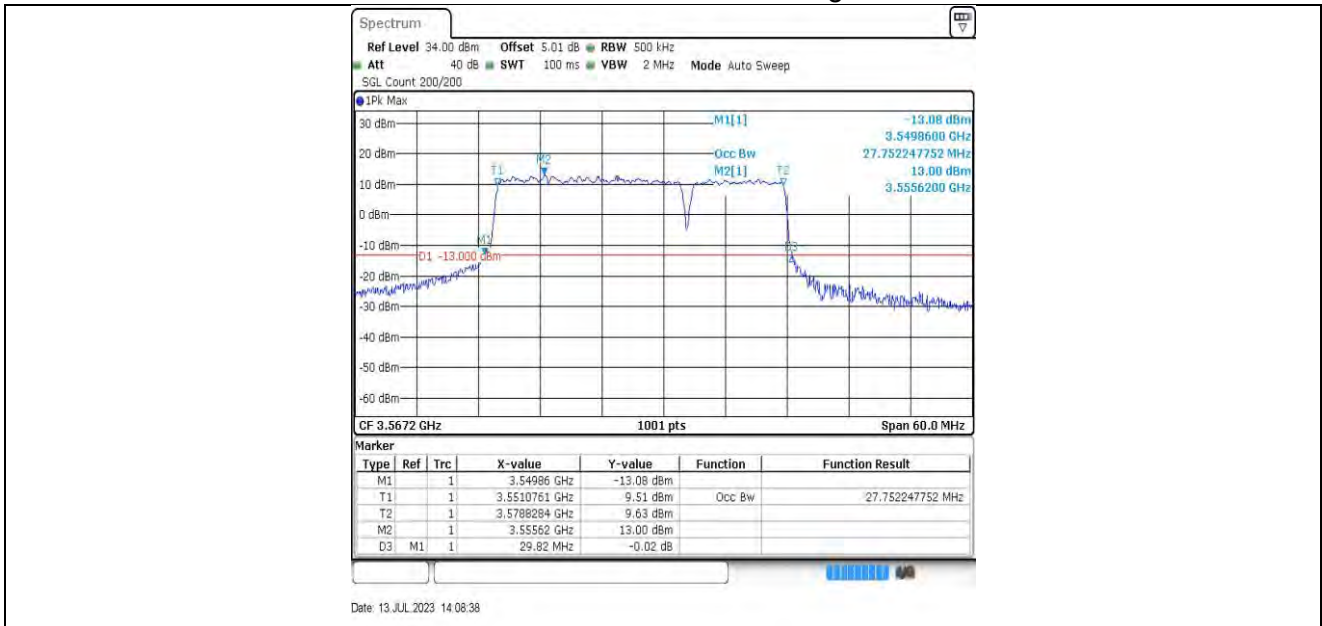


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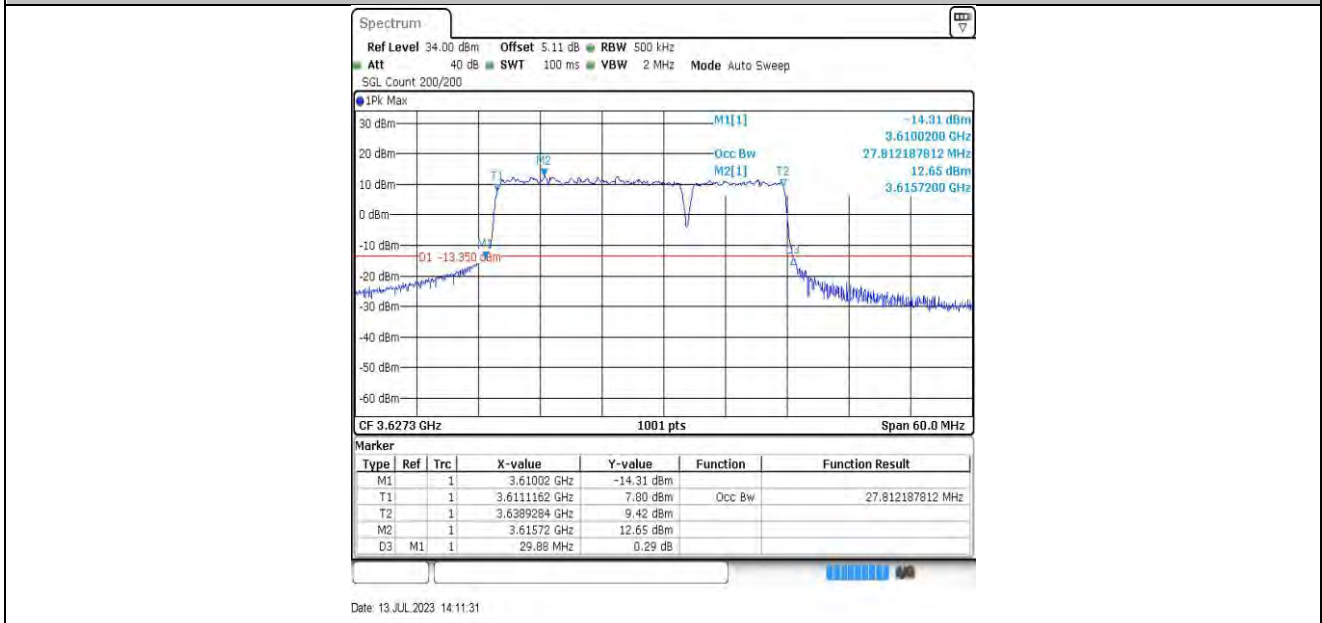


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### 20MHz-10MHz-55340-55484 QPSK-QPSK



### 20MHz-10MHz-55941-56085 QPSK-QPSK

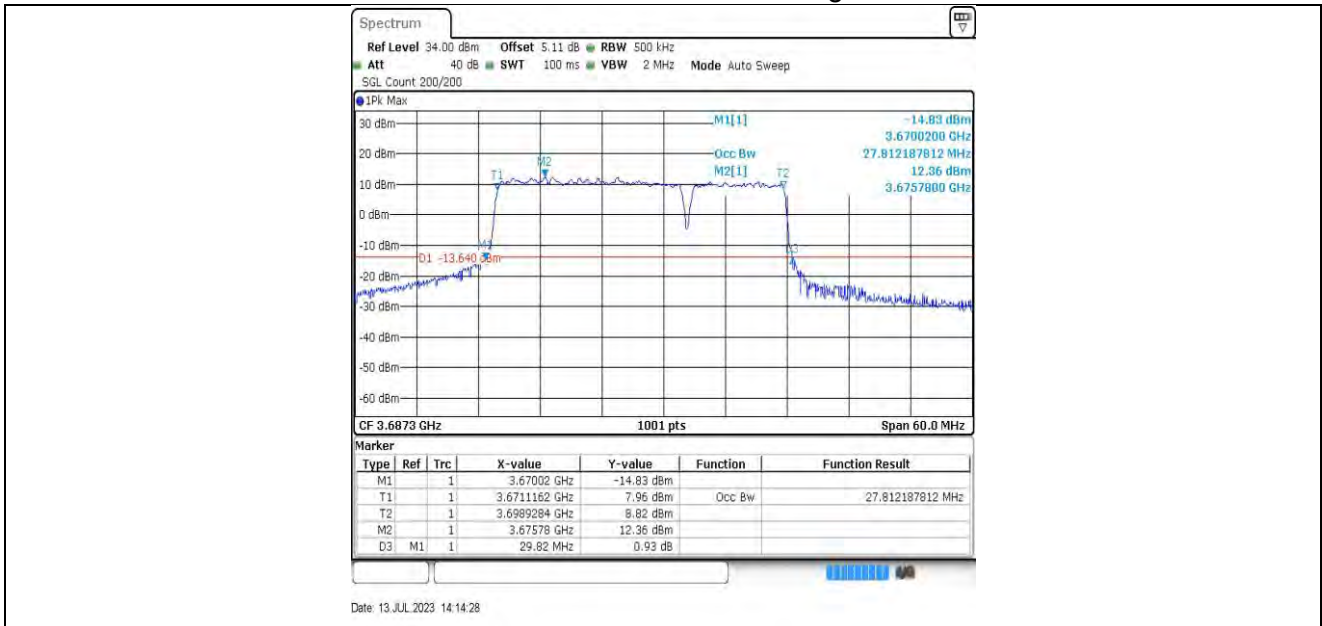


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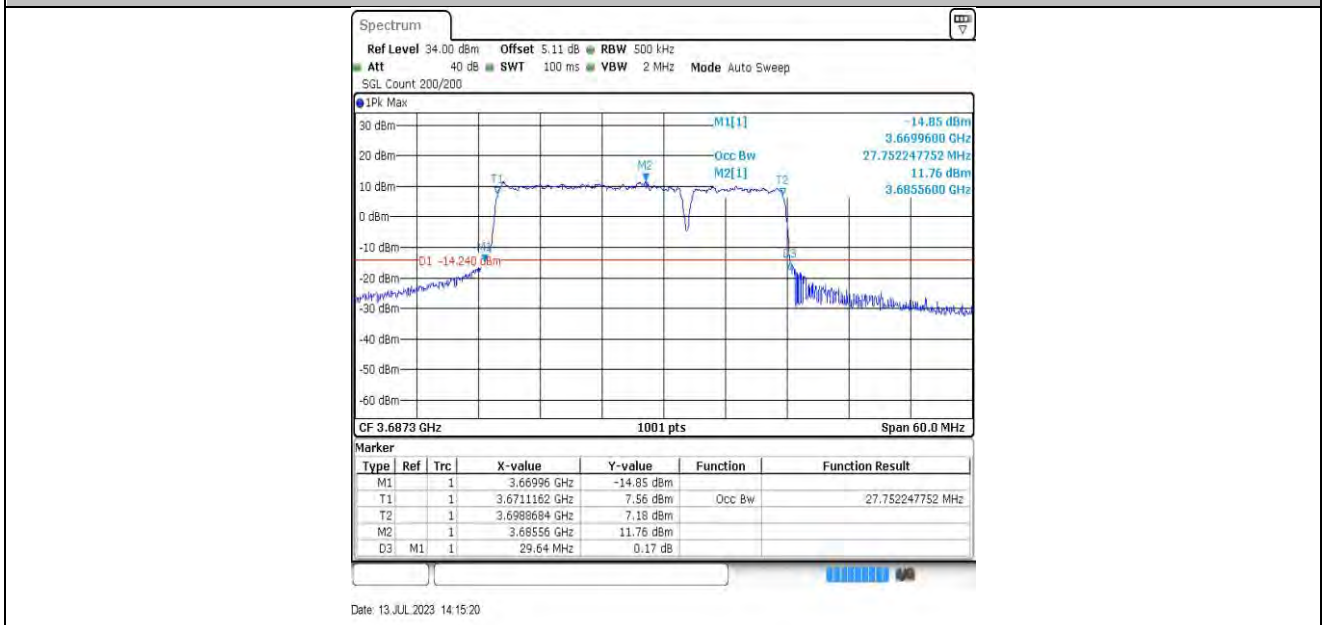
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### 20MHz-10MHz-56541-56685 QPSK-QPSK



### 20MHz-10MHz-56541-56685 16QAM-16QAM



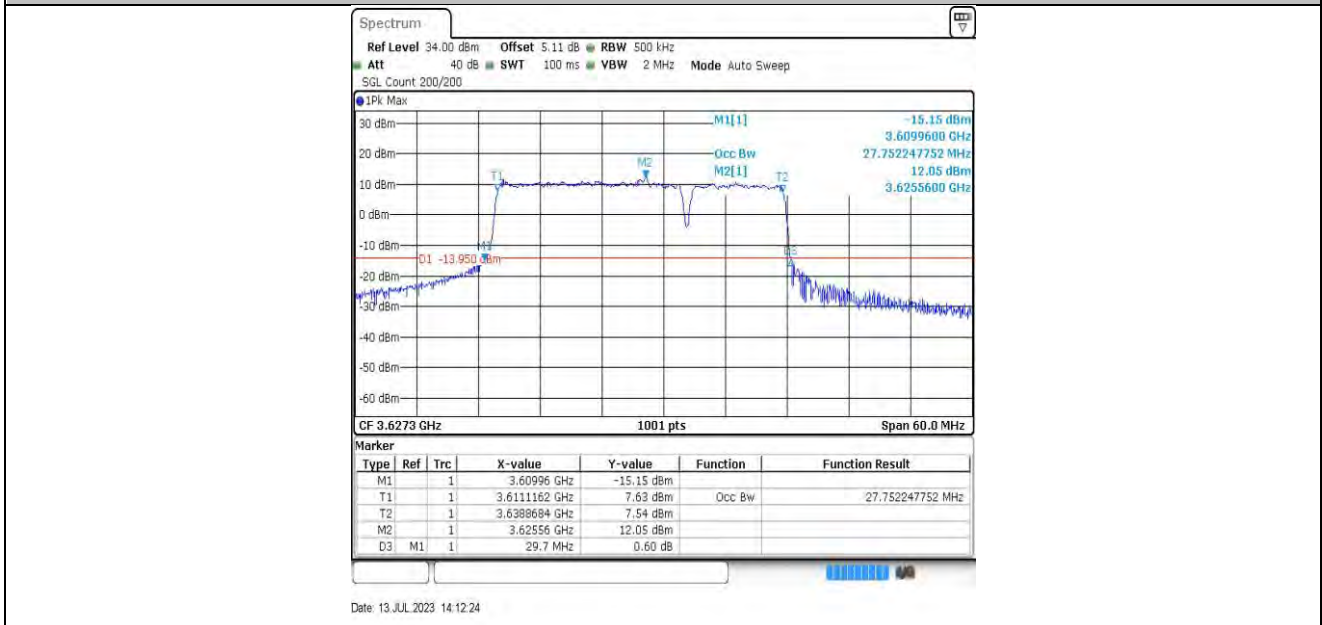
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### 20MHz-10MHz-55340-55484 16QAM-16QAM



### 20MHz-10MHz-55941-56085 16QAM-16QAM



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### 20MHz-10MHz-55340-55484 64QAM-64QAM



### 20MHz-10MHz-55941-56085 64QAM-64QAM



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### 20MHz-10MHz-56541-56685 64QAM-64QAM



### 20MHz-10MHz-55340-55484 256QAM-256QAM



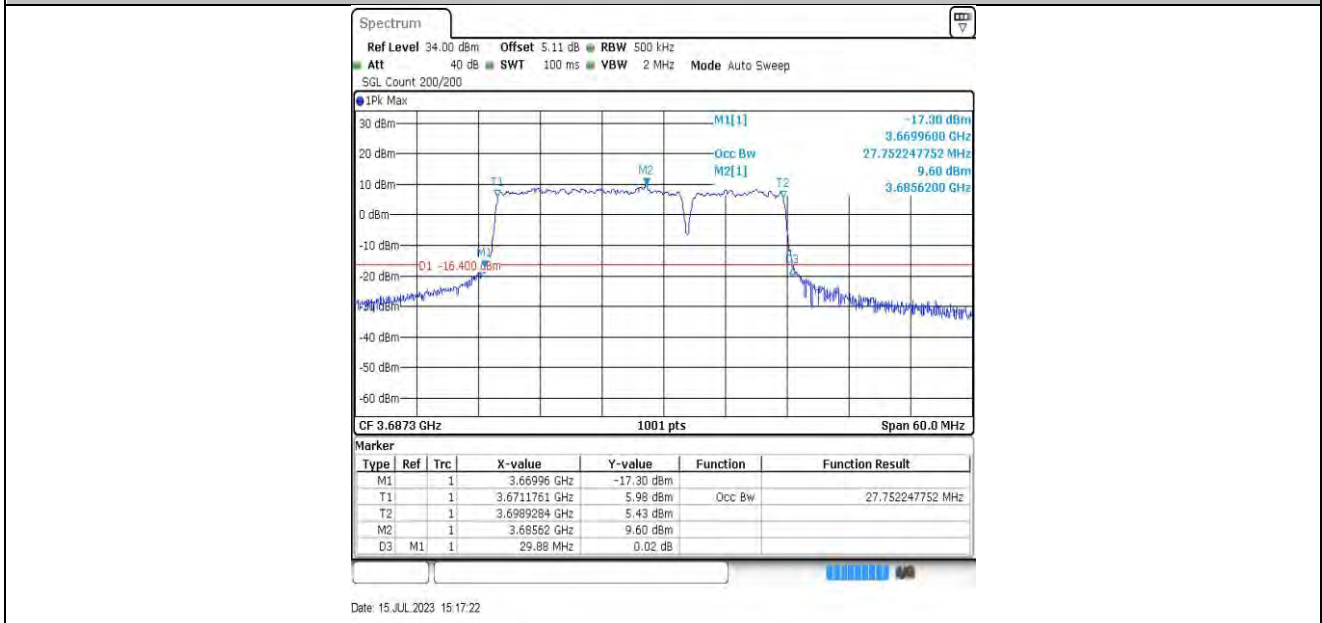
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### 20MHz-10MHz-55941-56085 256QAM-256QAM



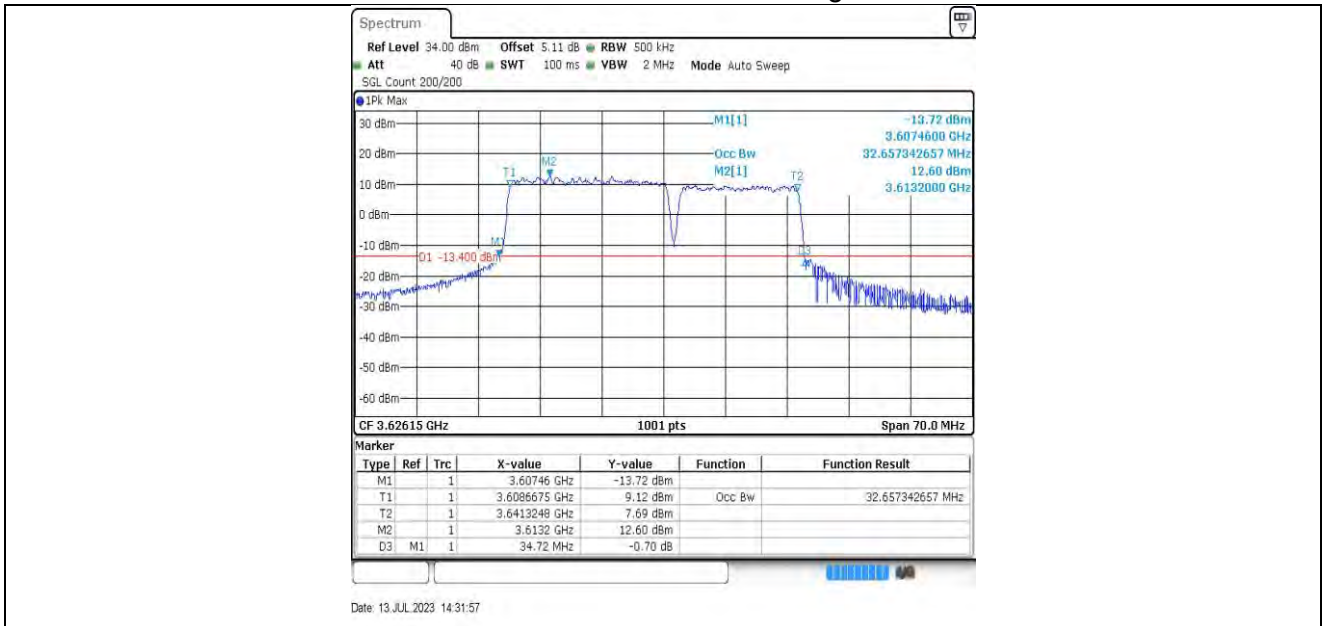
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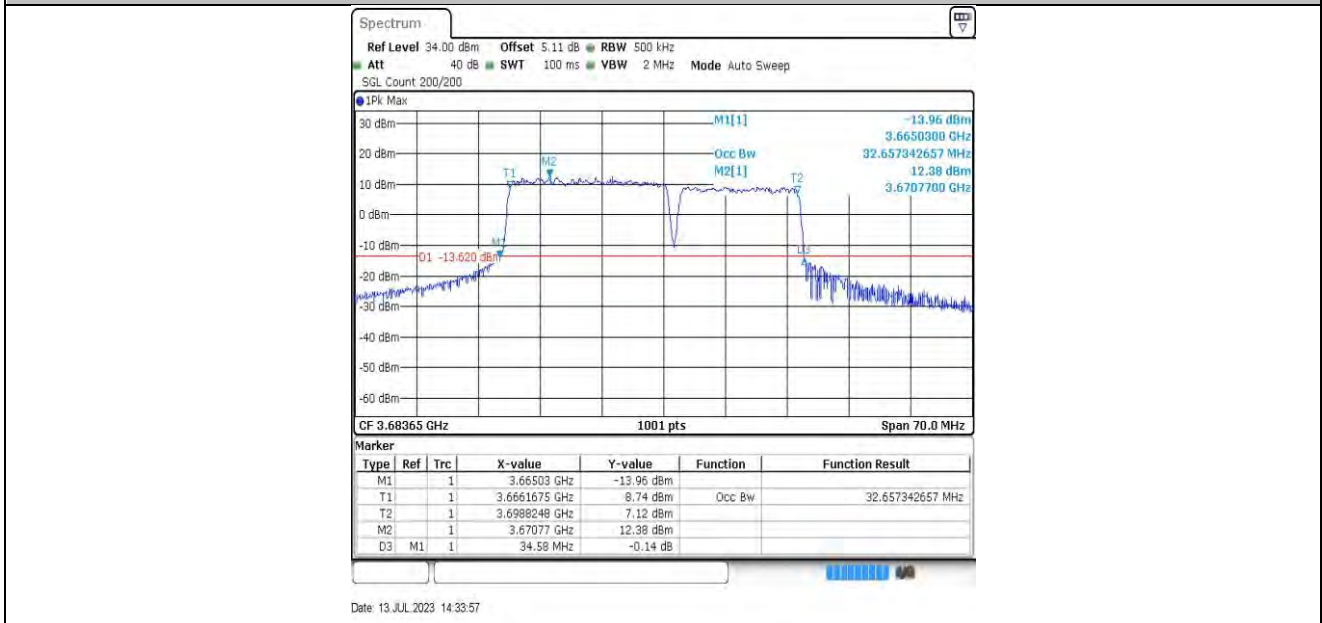
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### 20MHz-15MHz-55916-56087 QPSK-QPSK



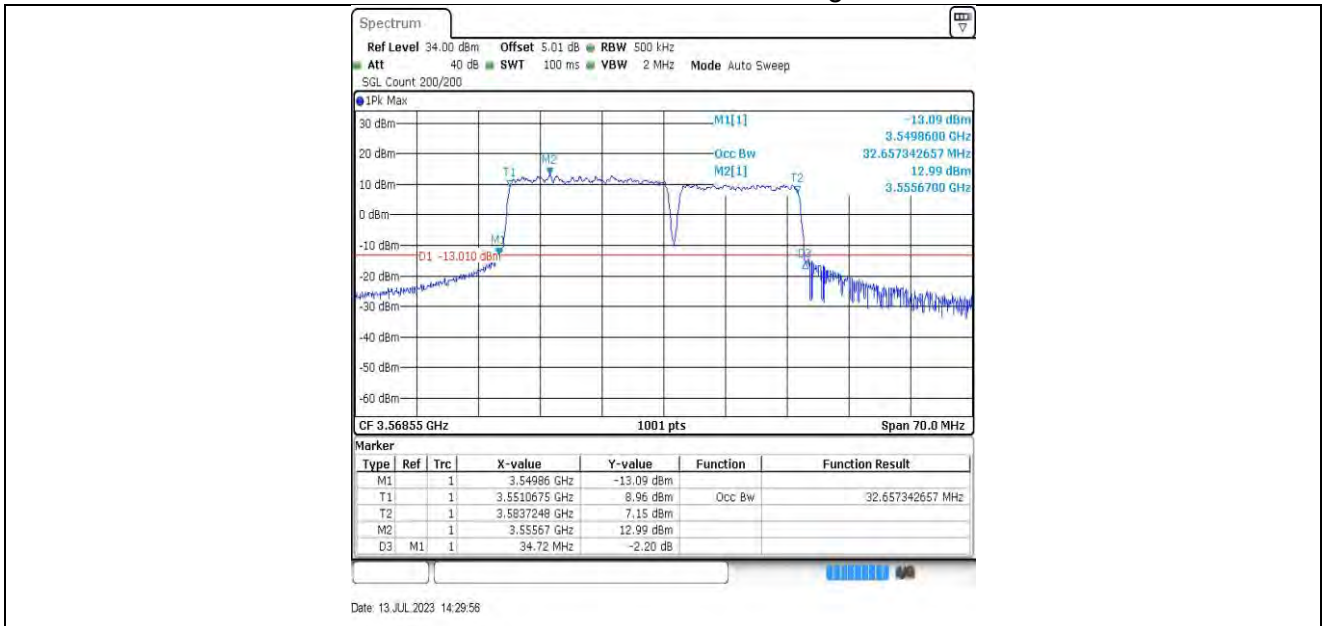
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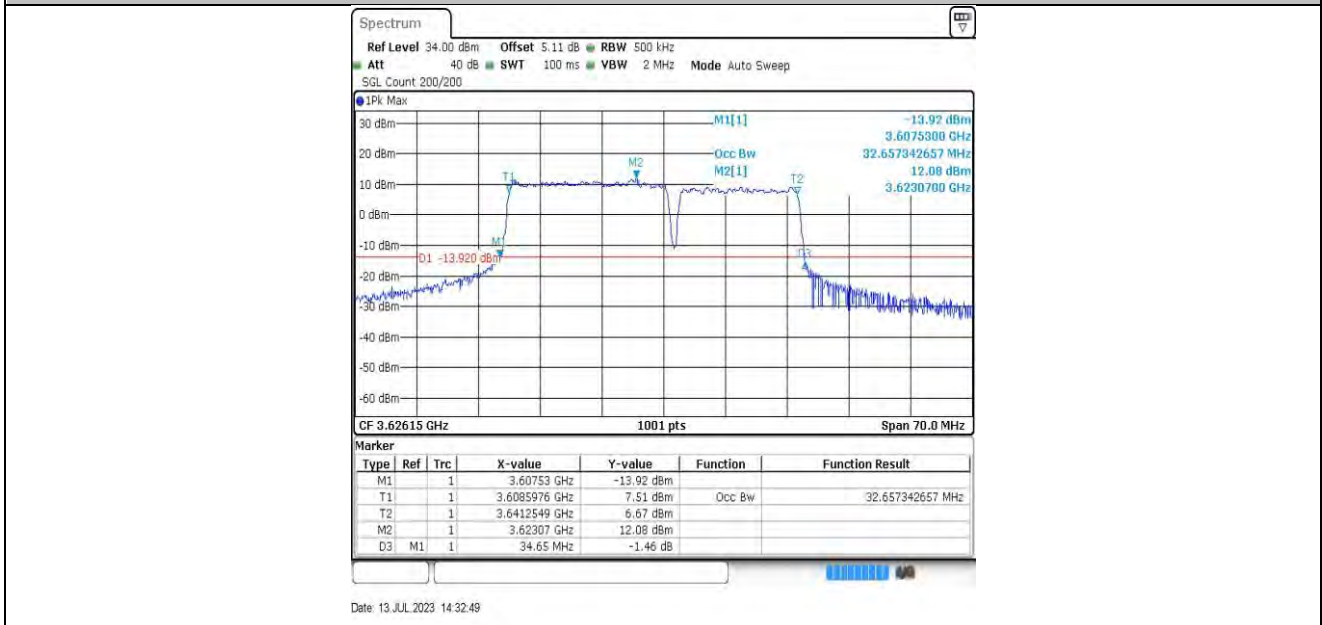
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### 20MHz-15MHz-55340-55511 QPSK-QPSK

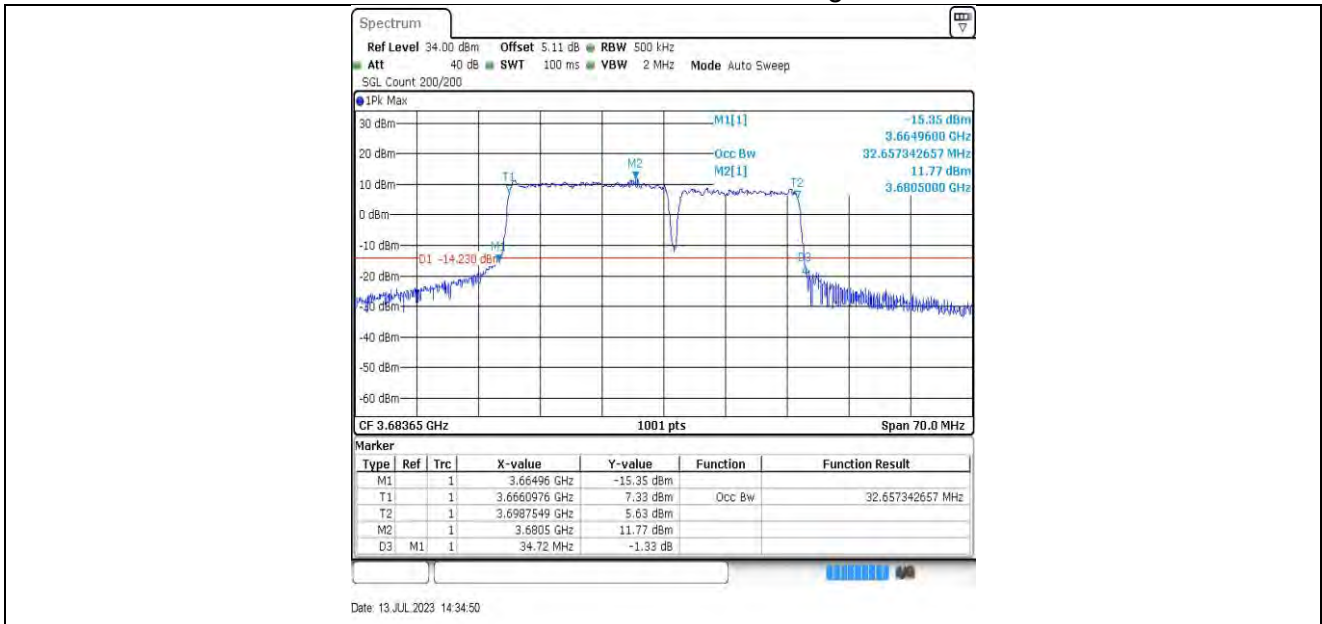


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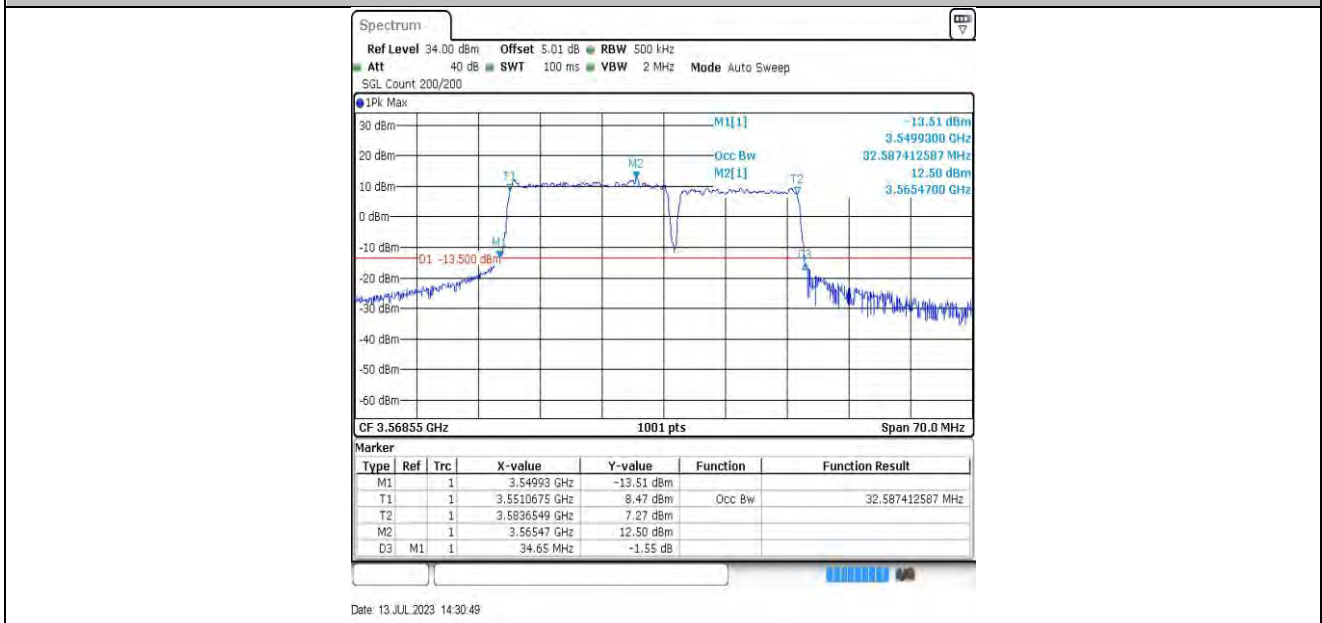


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### 20MHz-15MHz-56491-56662 16QAM-16QAM



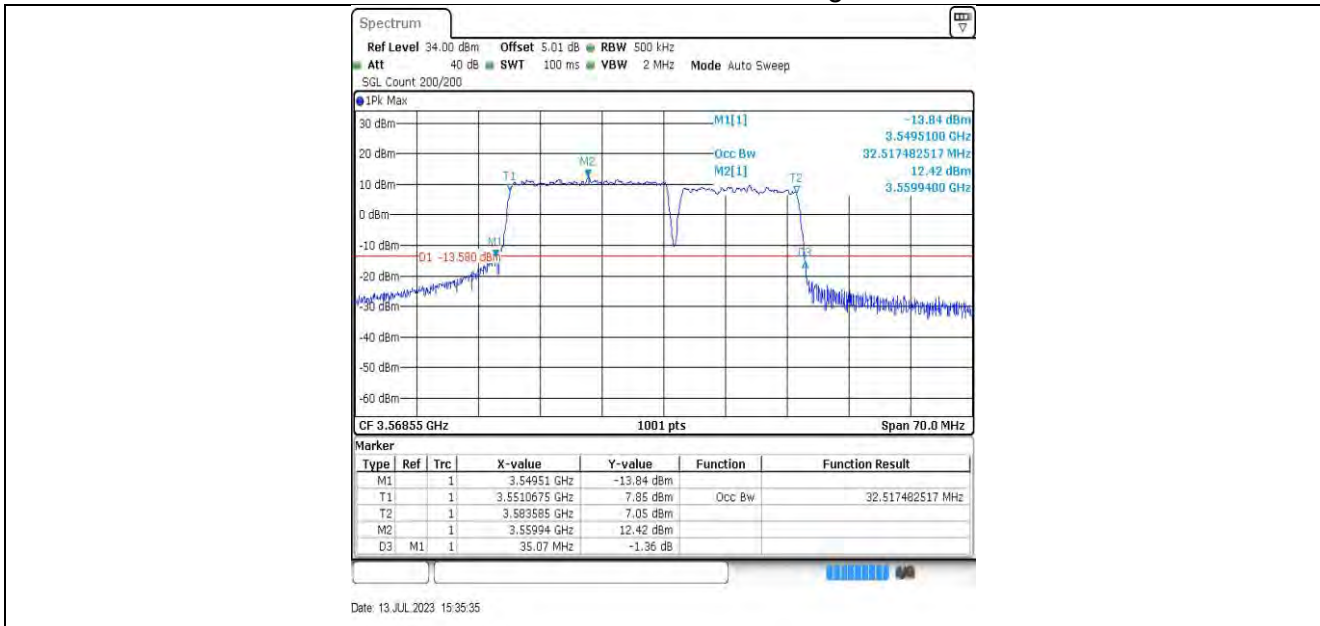
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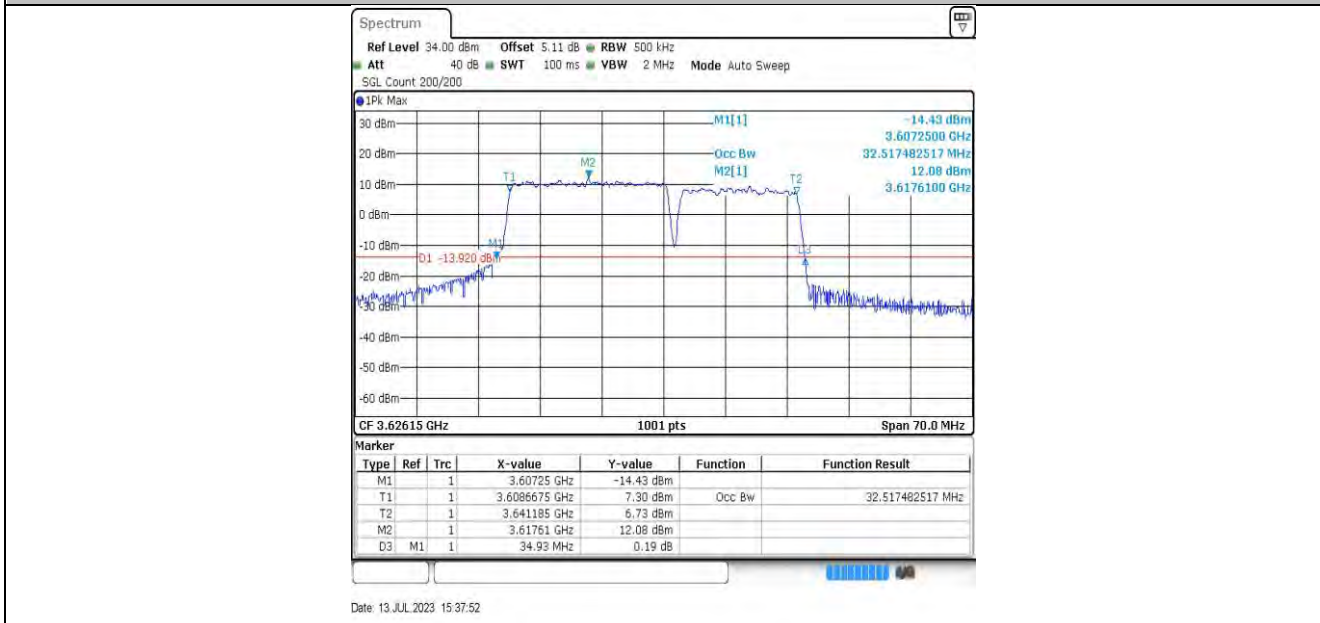
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### 20MHz-15MHz-55340-55511 64QAM-64QAM



### 20MHz-15MHz-55916-56087 64QAM-64QAM

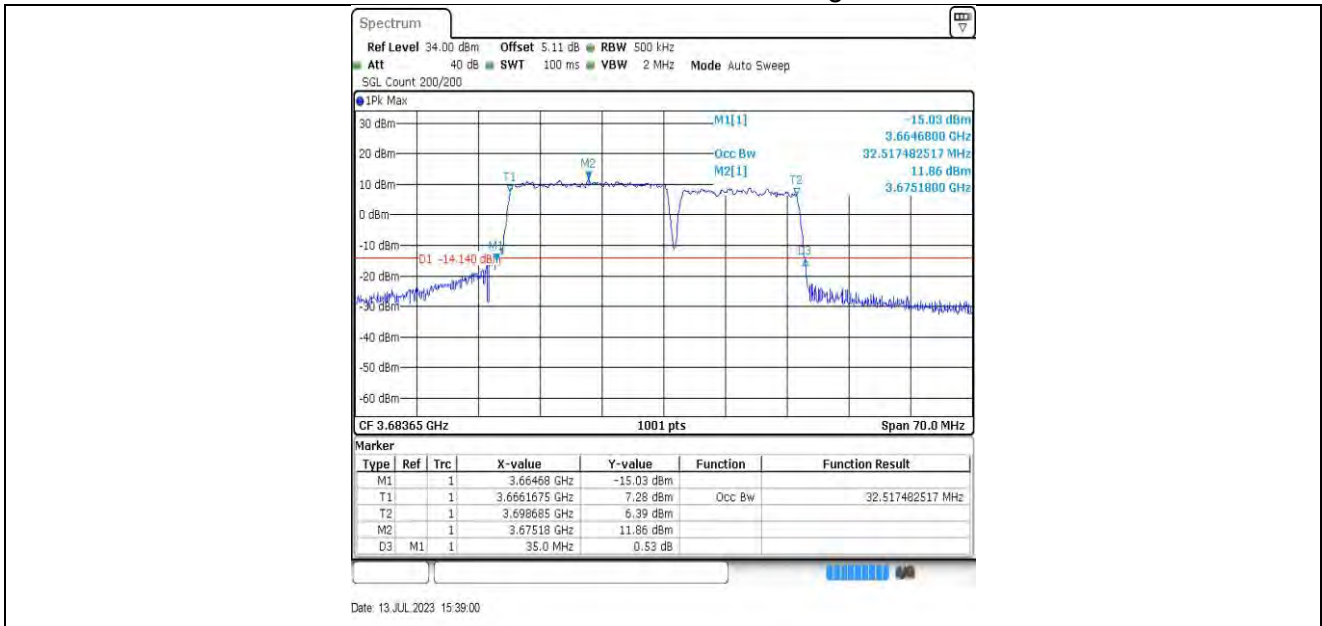


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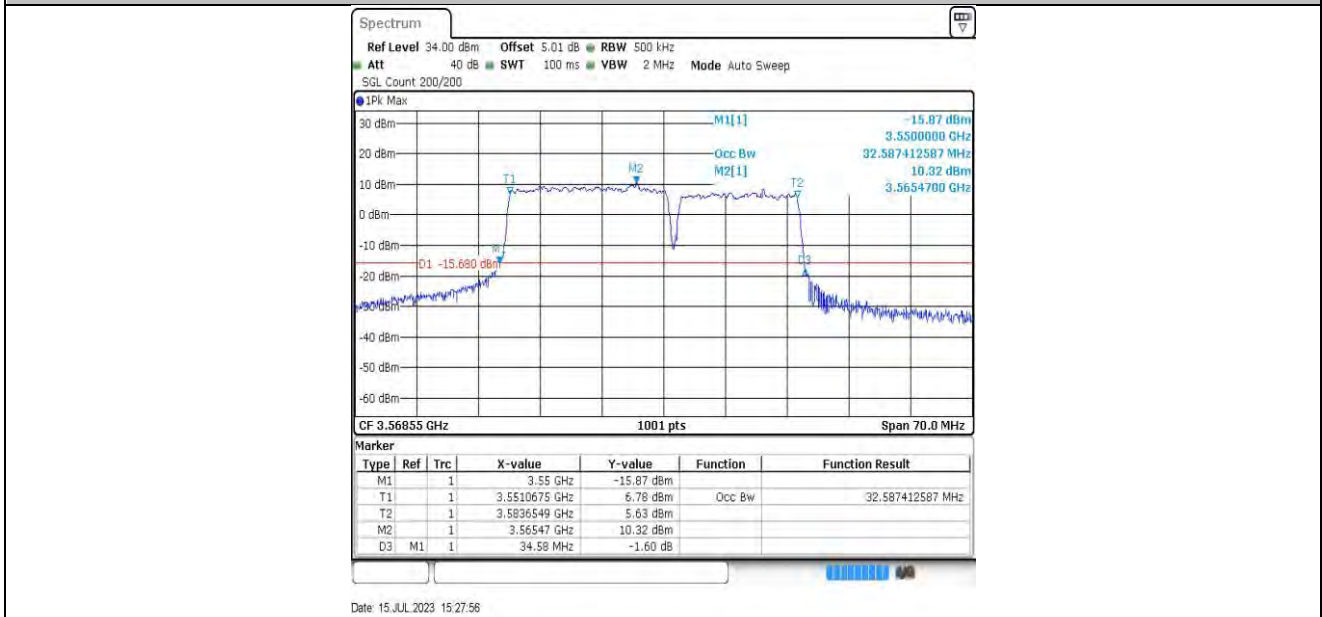
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### 20MHz-15MHz-56491-56662 64QAM-64QAM

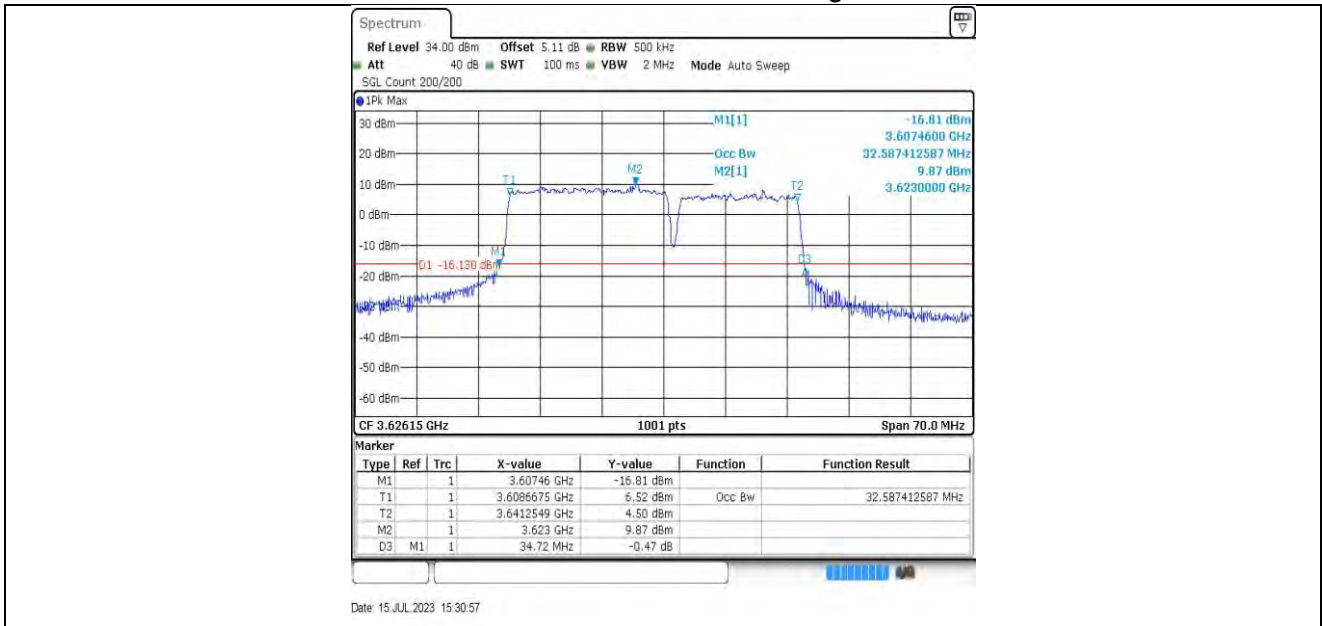


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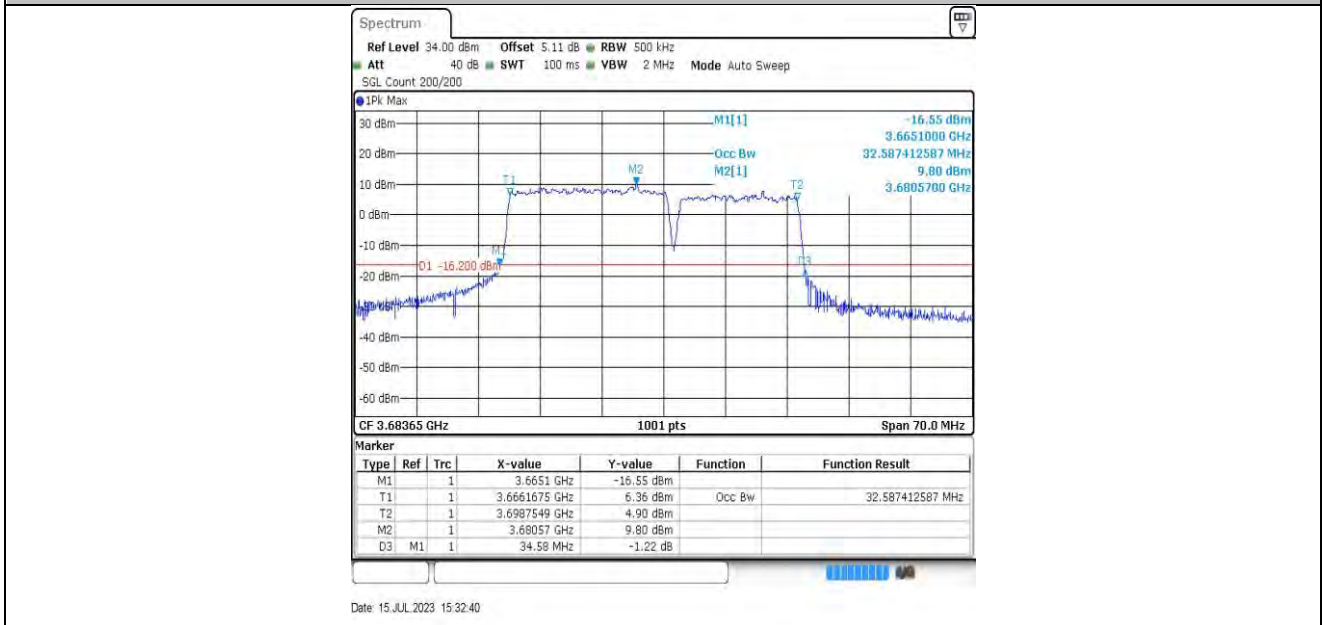


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### 20MHz-15MHz-55916-56087 256QAM-256QAM



### 20MHz-15MHz-56491-56662 256QAM-256QAM

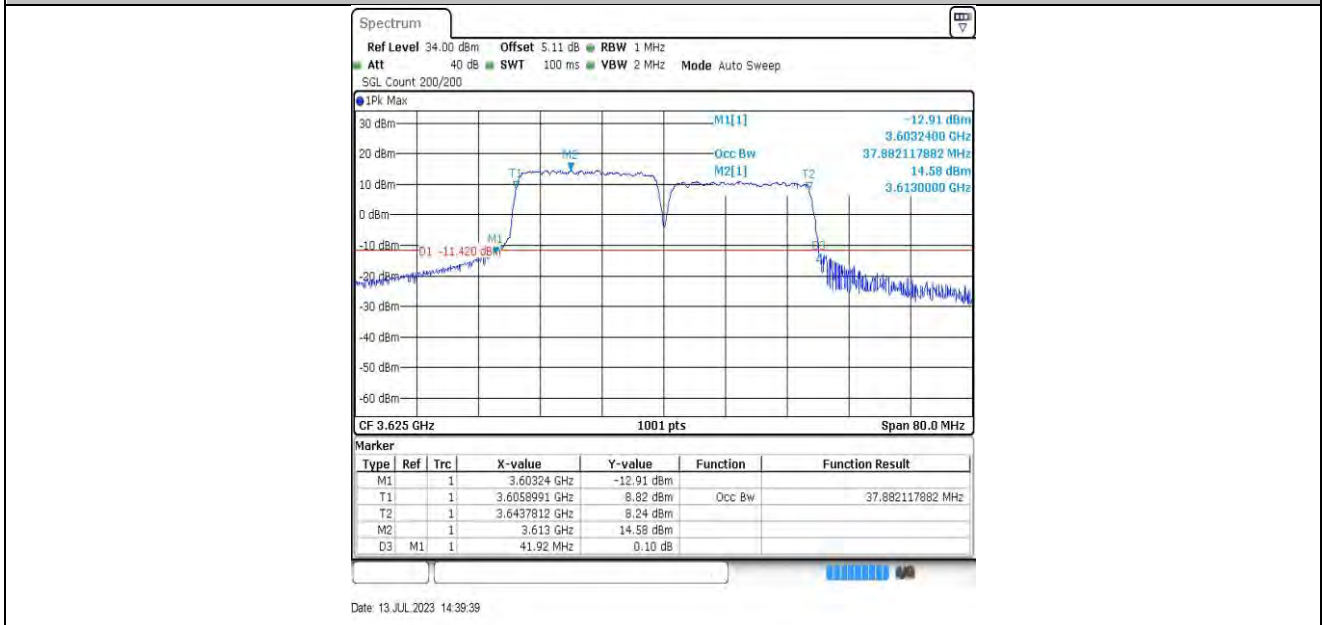


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### 20MHz-20MHz-55340-55538 QPSK-QPSK



### 20MHz-20MHz-55891-56089 QPSK-QPSK

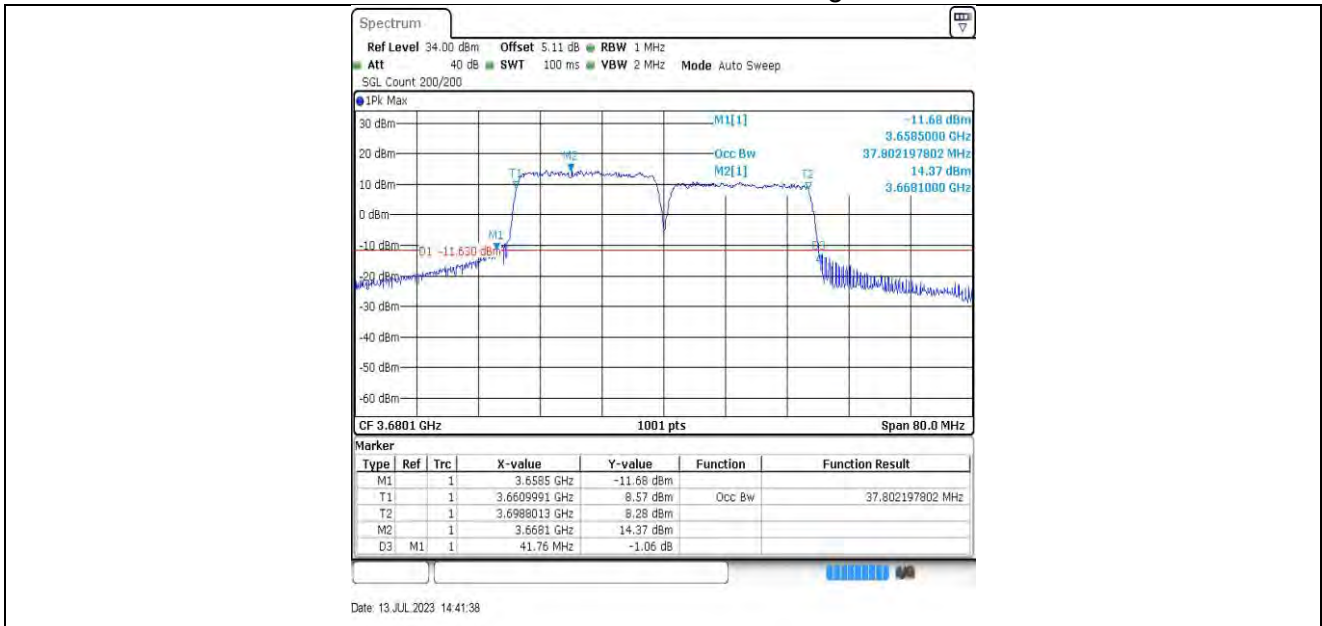


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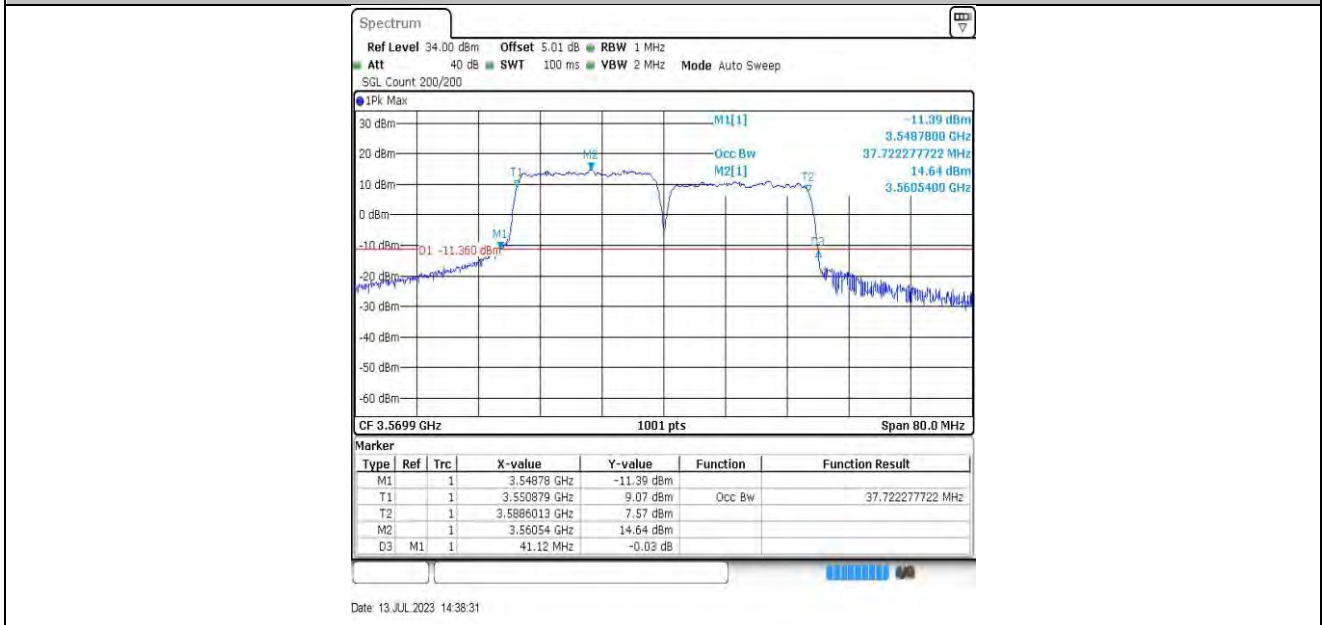
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### 20MHz-20MHz-56442-56640 QPSK-QPSK



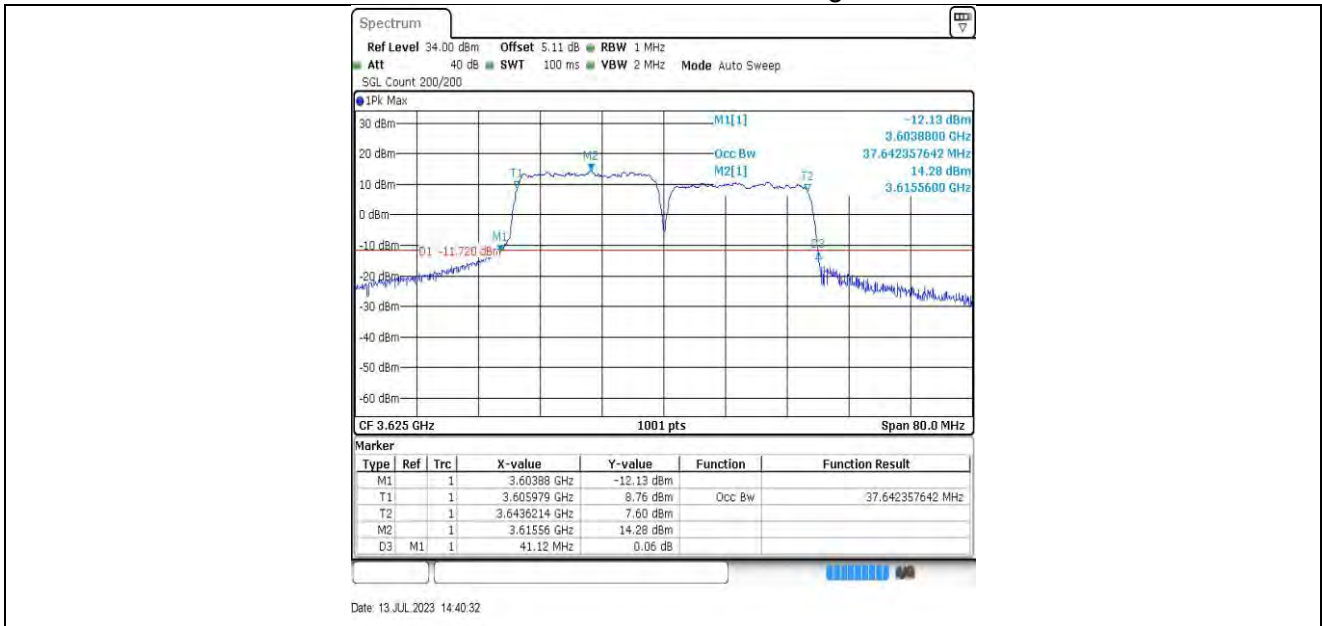
### 20MHz-20MHz-55340-55538 16QAM-16QAM



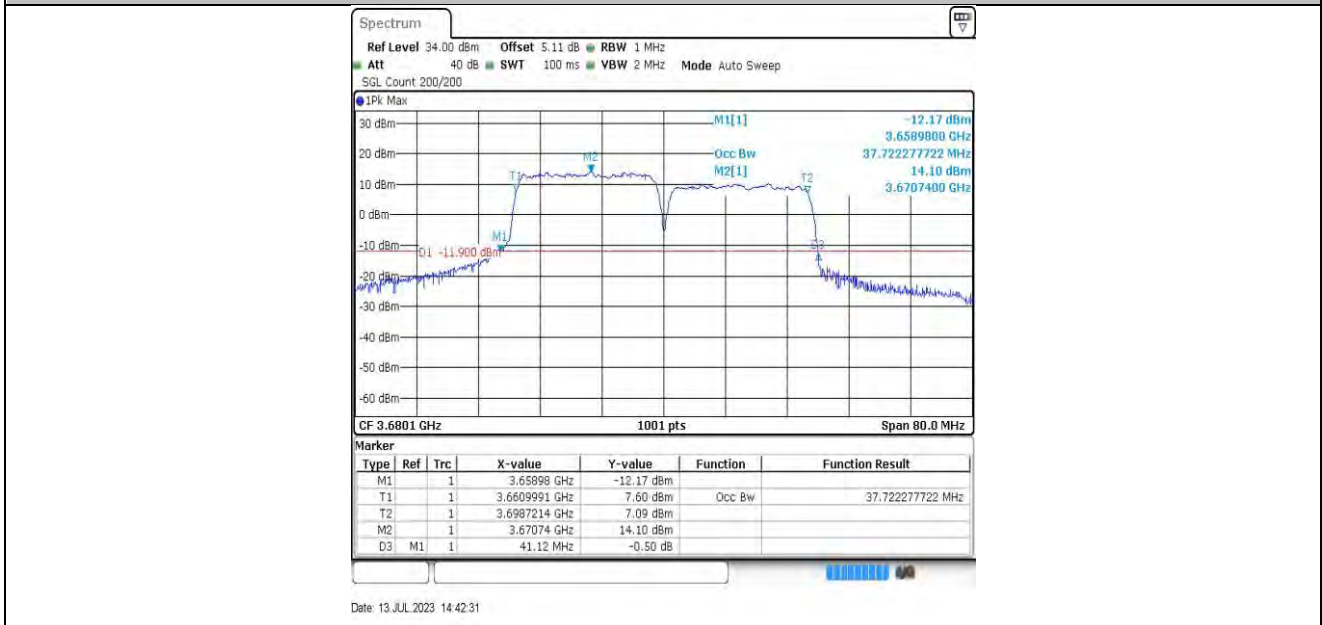
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### 20MHz-20MHz-55891-56089 16QAM-16QAM



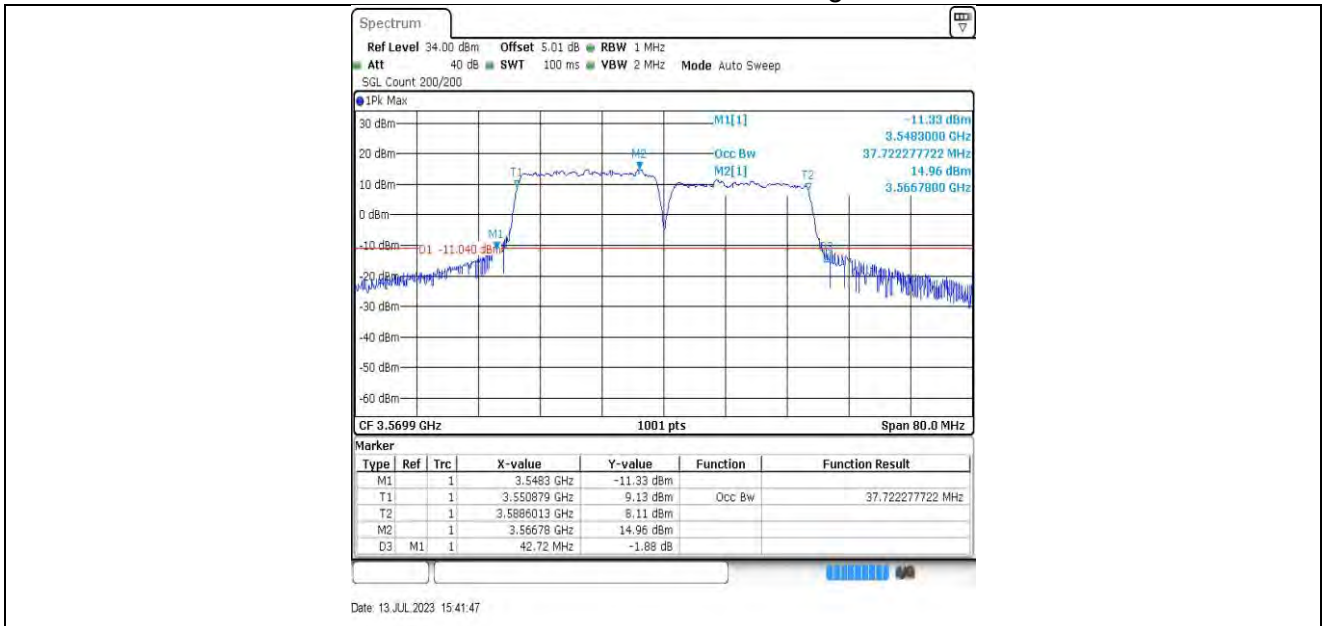
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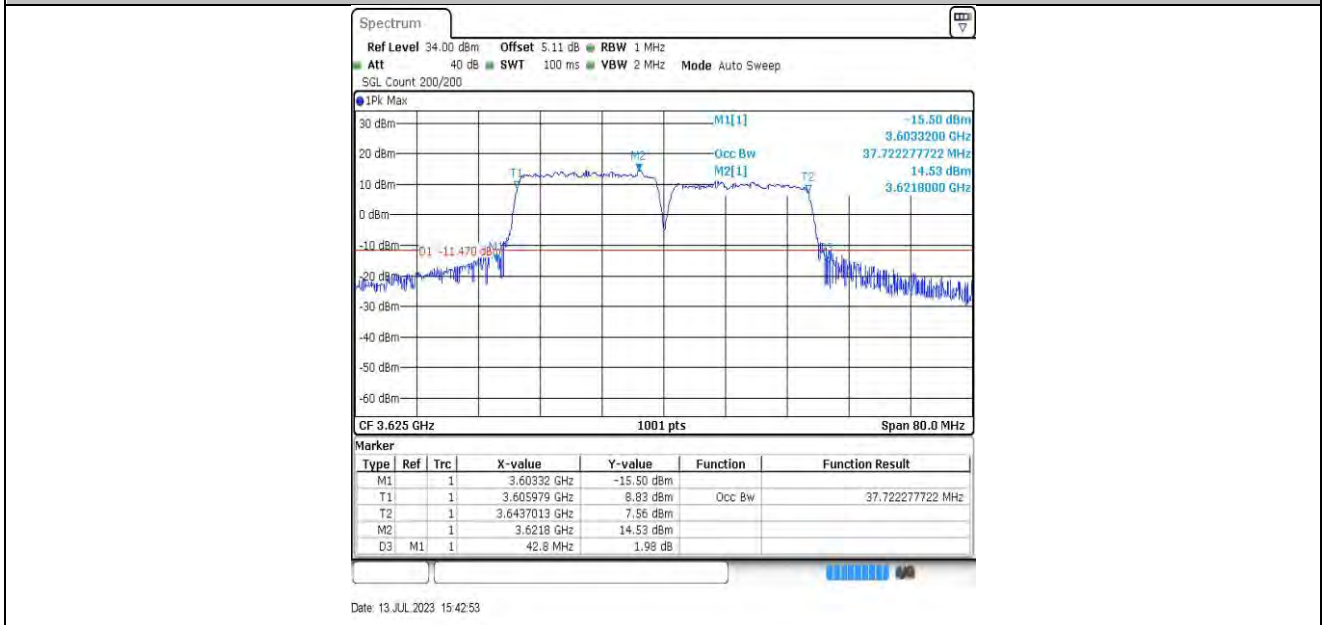
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### 20MHz-20MHz-55340-55538 64QAM-64QAM



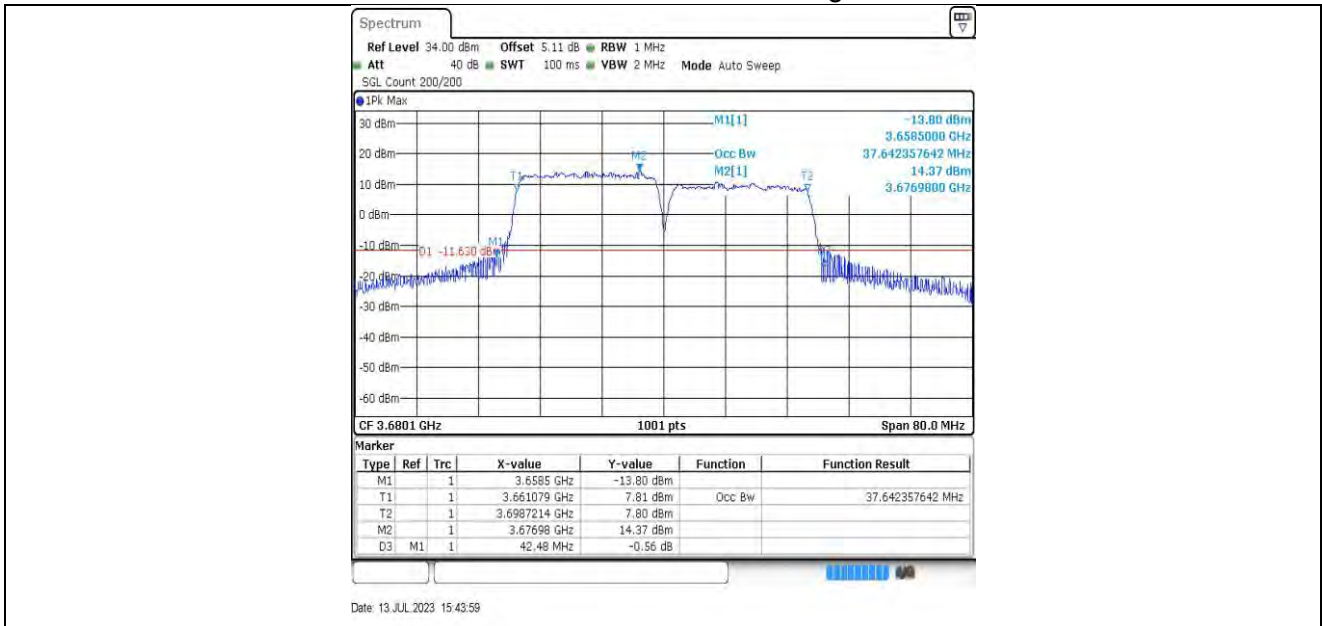
### 20MHz-20MHz-55891-56089 64QAM-64QAM



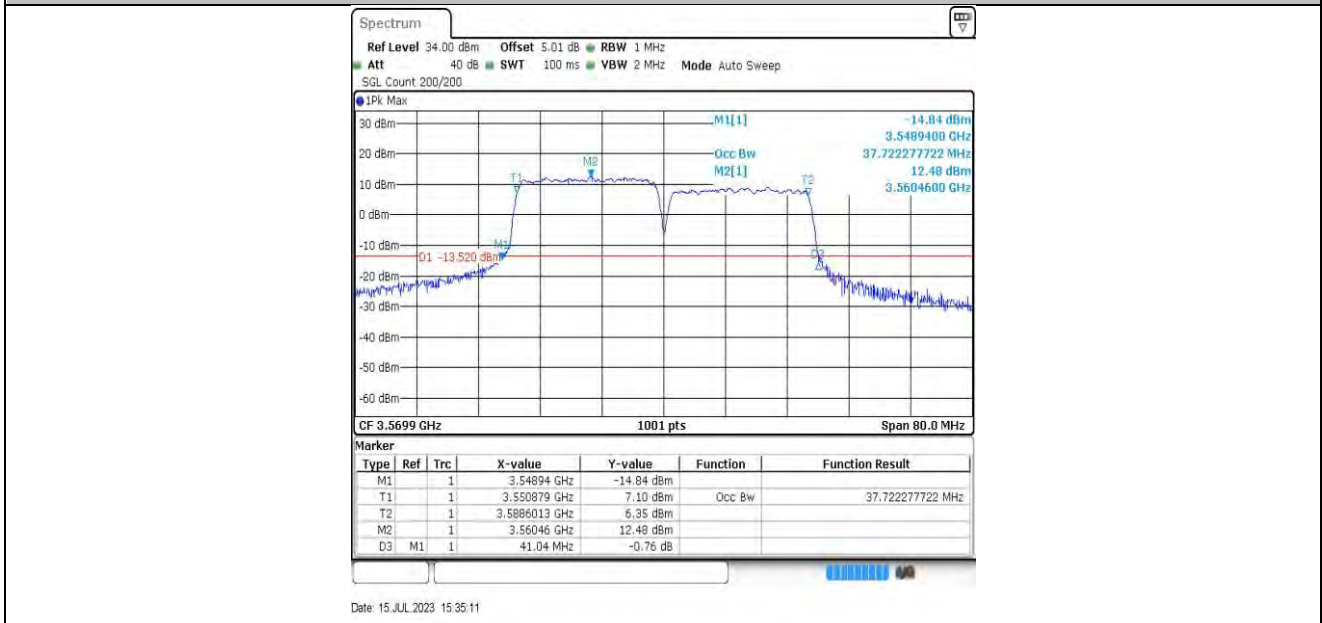
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### 20MHz-20MHz-56442-56640 64QAM-64QAM



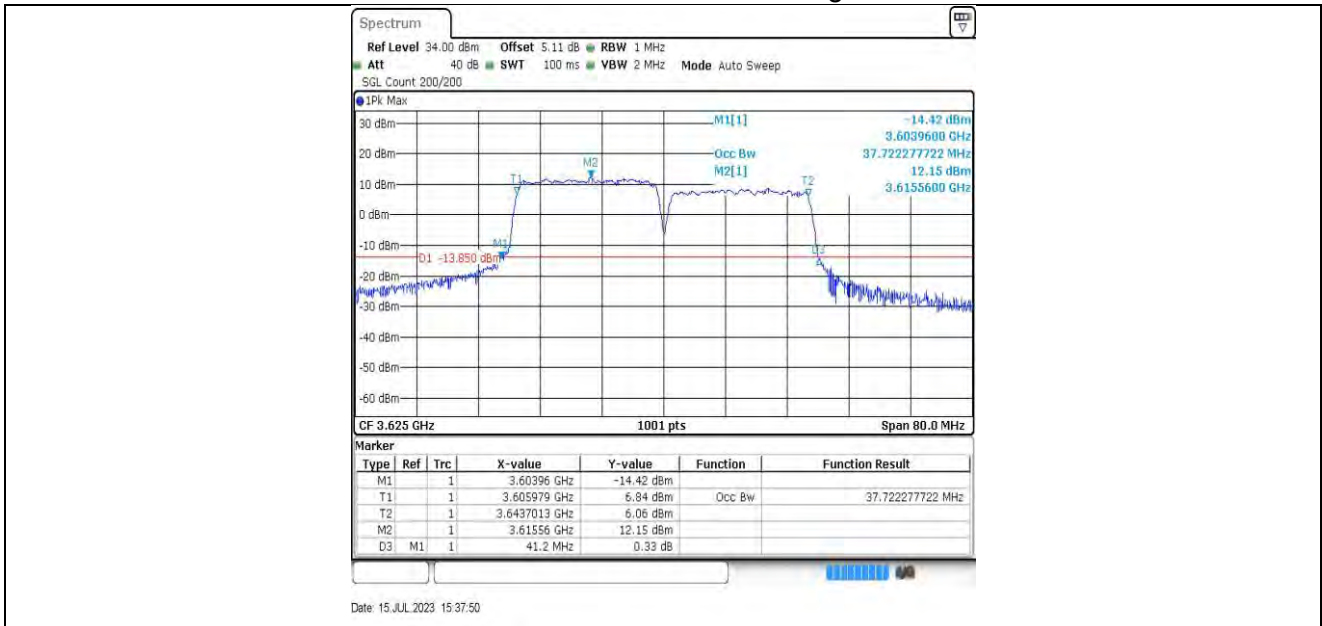
### 20MHz-20MHz-55340-55538 256QAM-256QAM



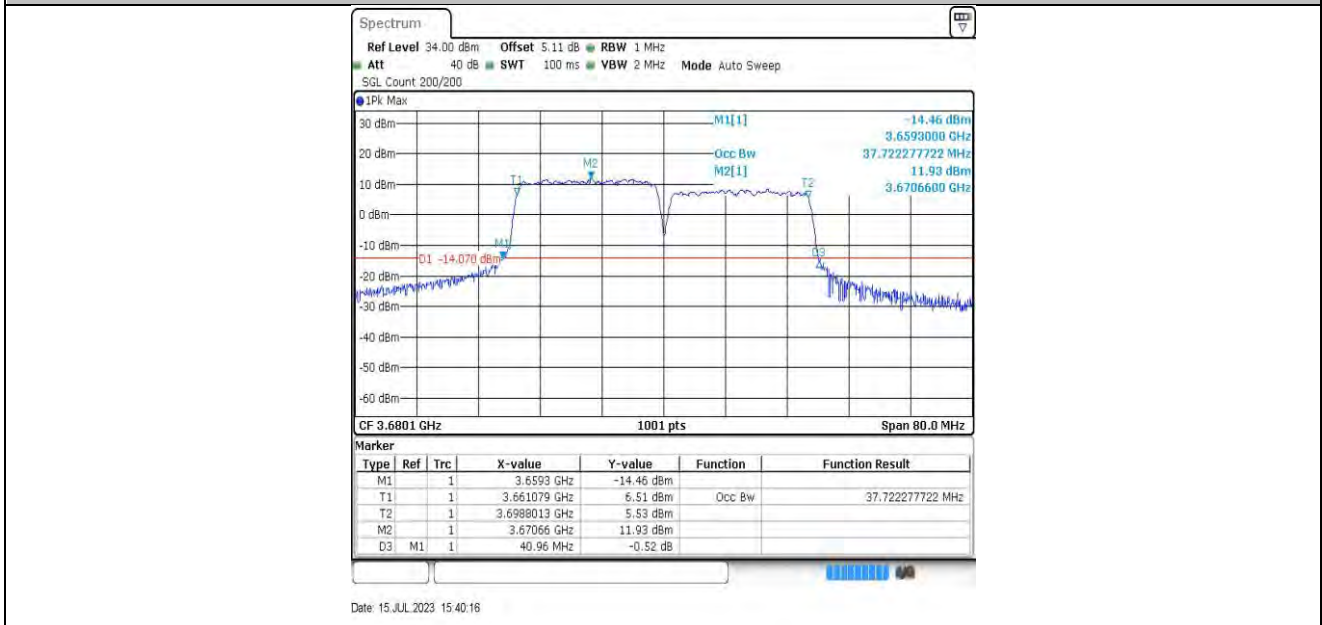
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### 20MHz-20MHz-55891-56089 256QAM-256QAM

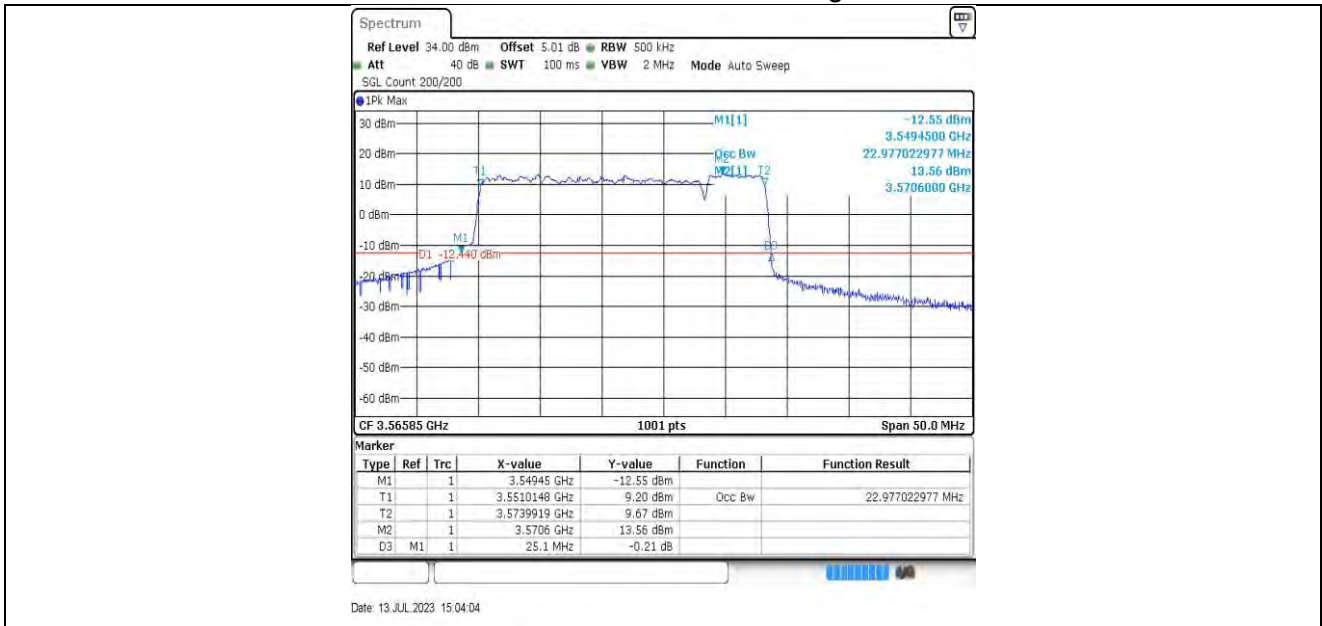


### 20MHz-20MHz-56442-56640 256QAM-256QAM

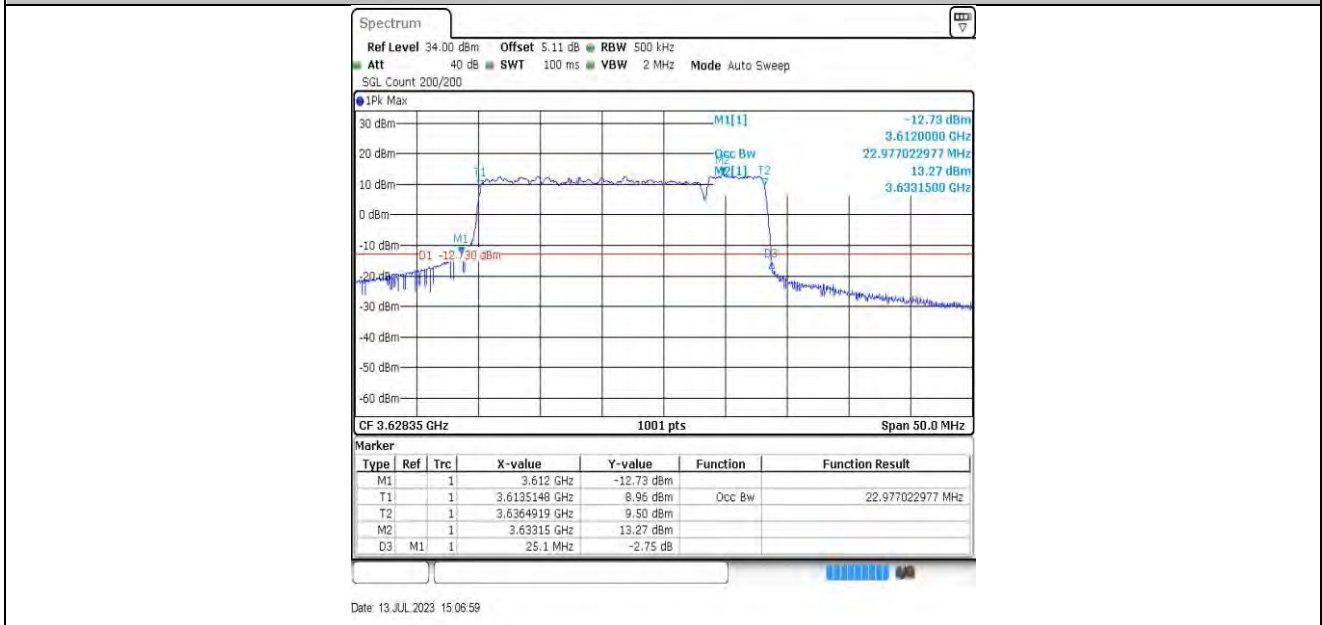


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### 20MHz-5MHz-55340-55457 QPSK-QPSK



### 20MHz-5MHz-55965-56082 QPSK-QPSK

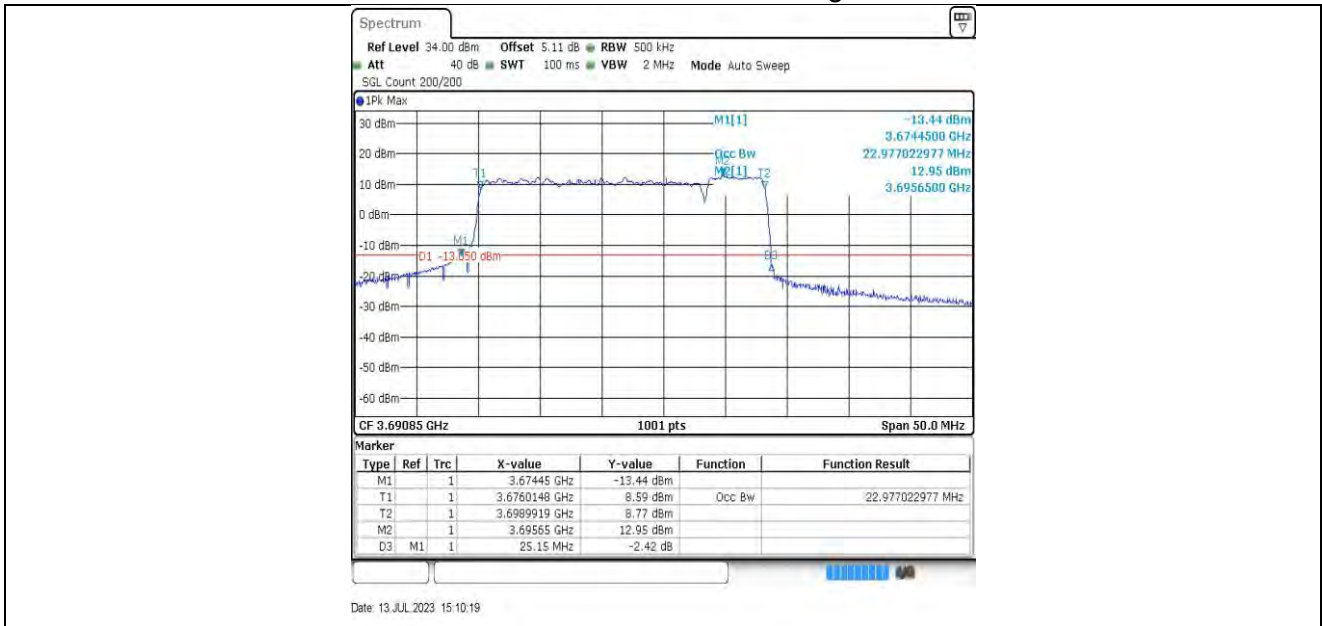


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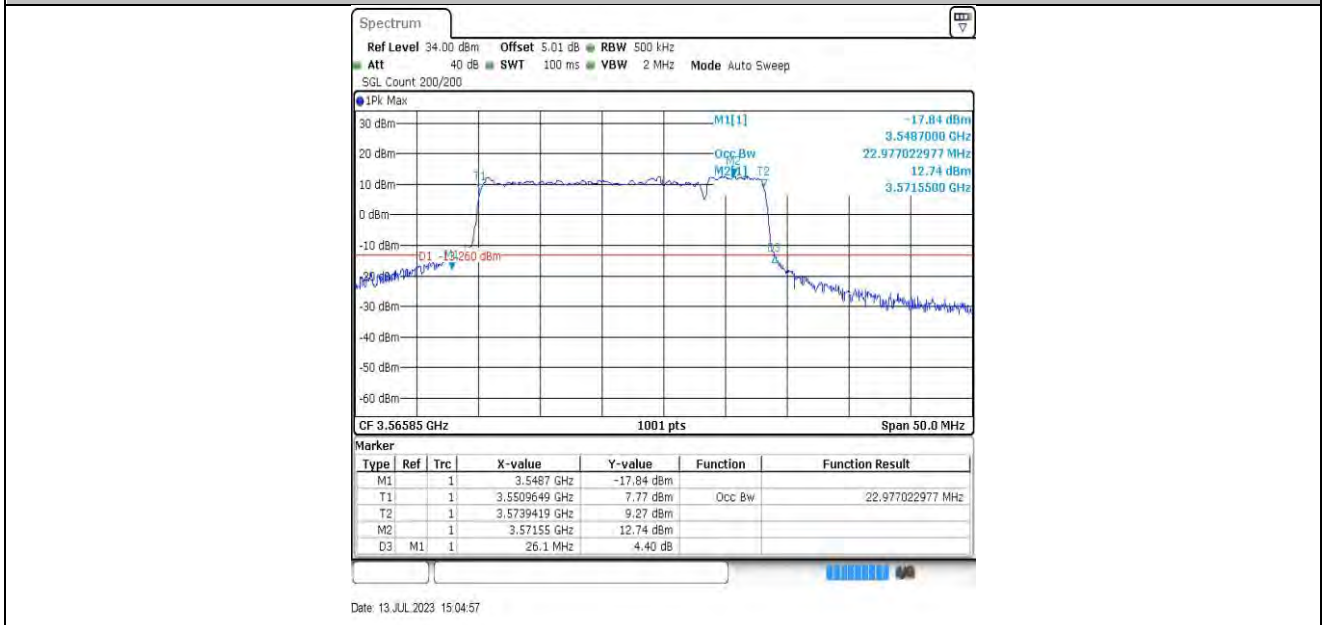
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### 20MHz-5MHz-56590-56707 QPSK-QPSK



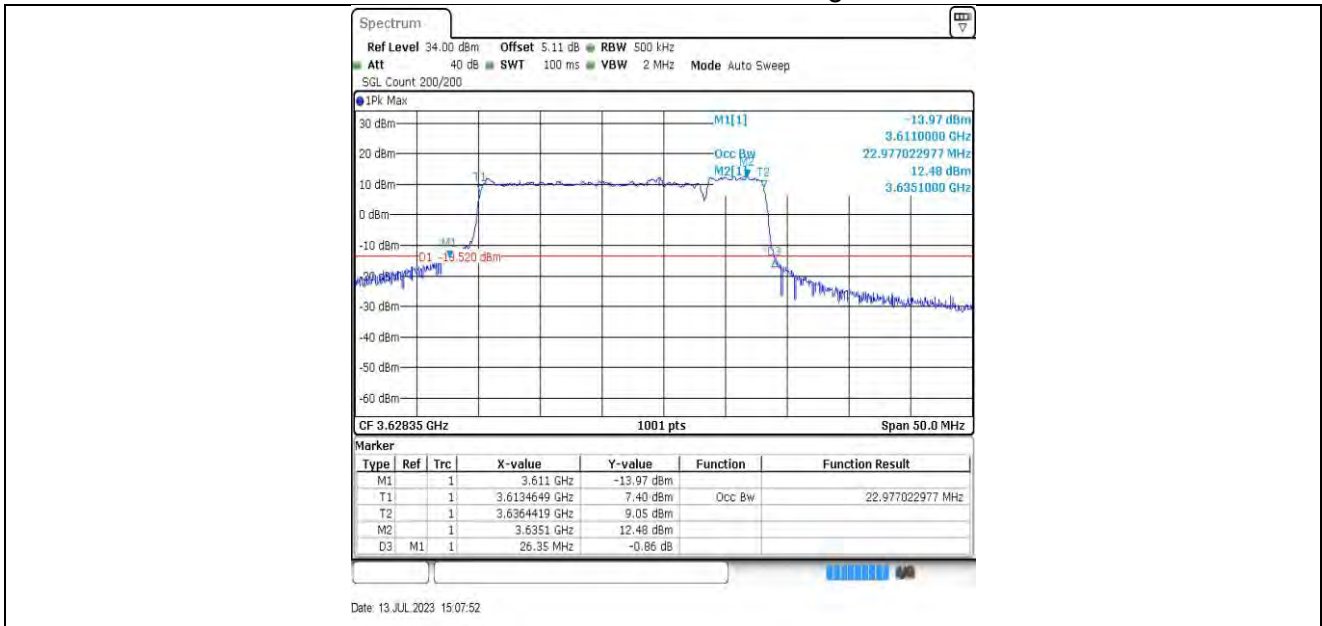
### 20MHz-5MHz-55340-55457 16QAM-16QAM



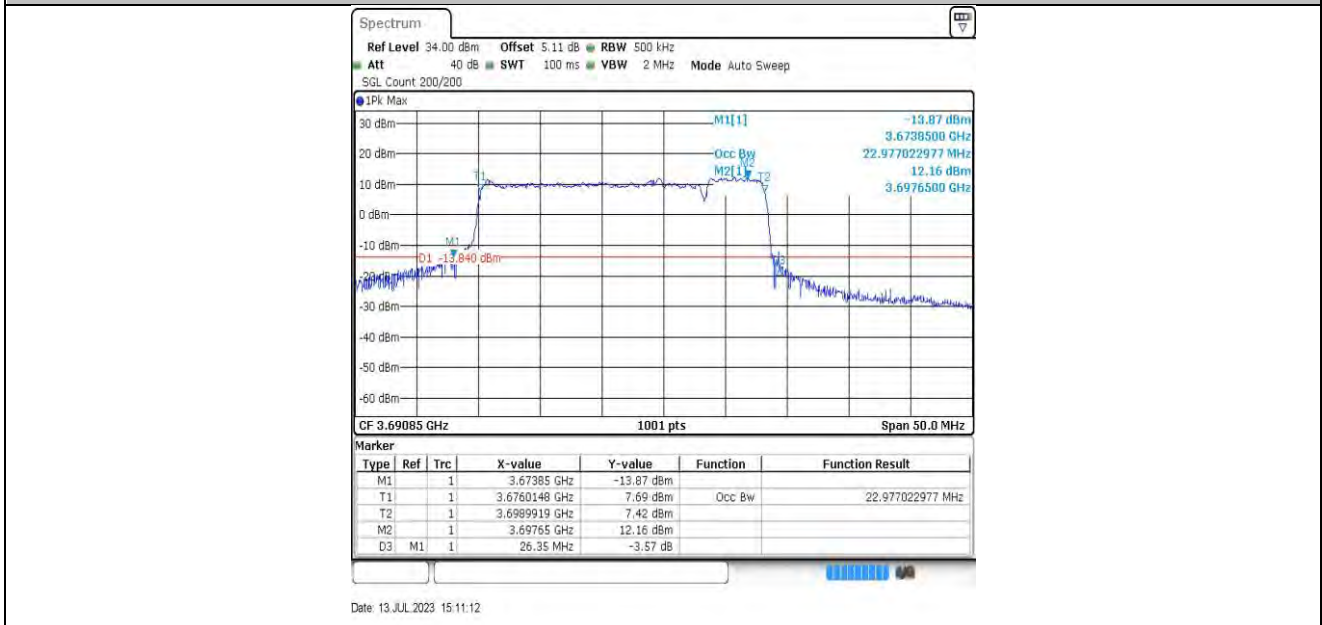
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### 20MHz-5MHz-55965-56082 16QAM-16QAM



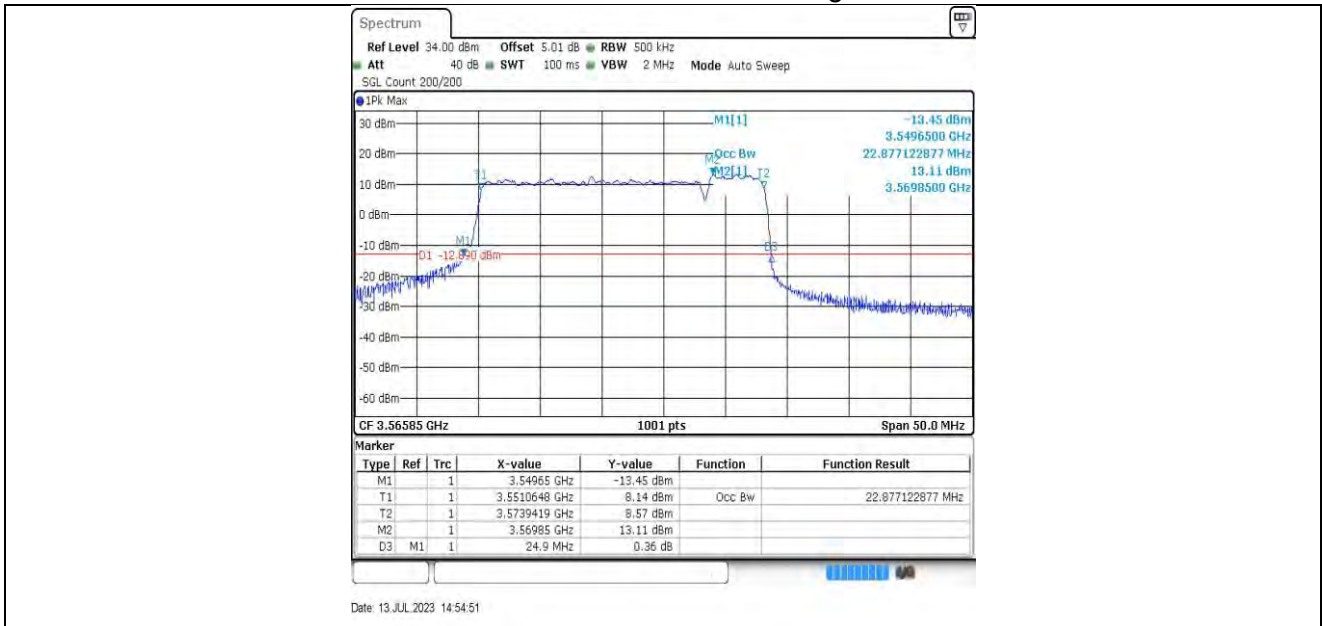
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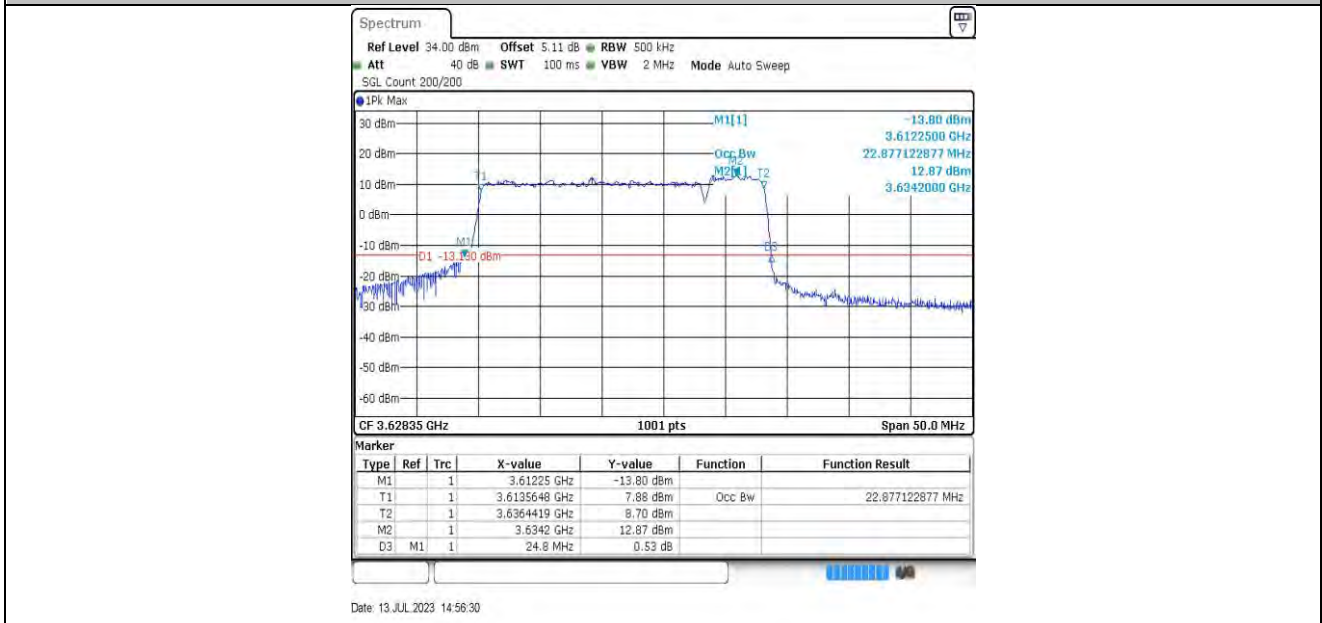
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### 20MHz-5MHz-55340-55457 64QAM-64QAM



### 20MHz-5MHz-55965-56082 64QAM-64QAM

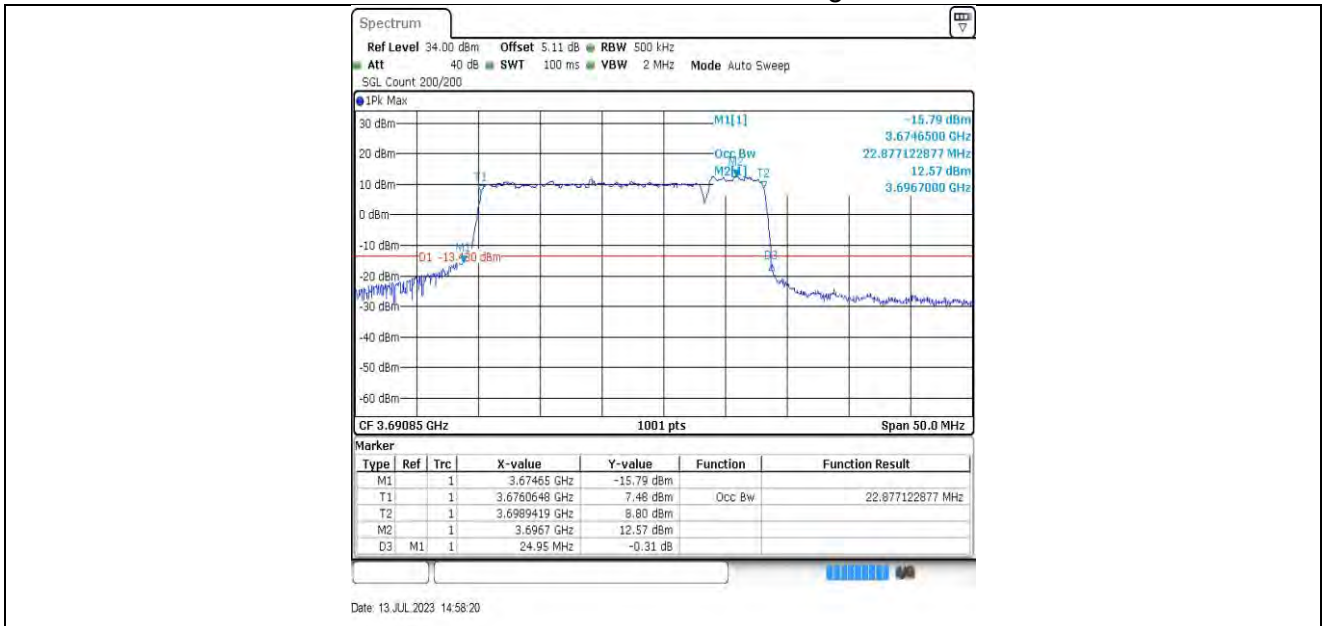


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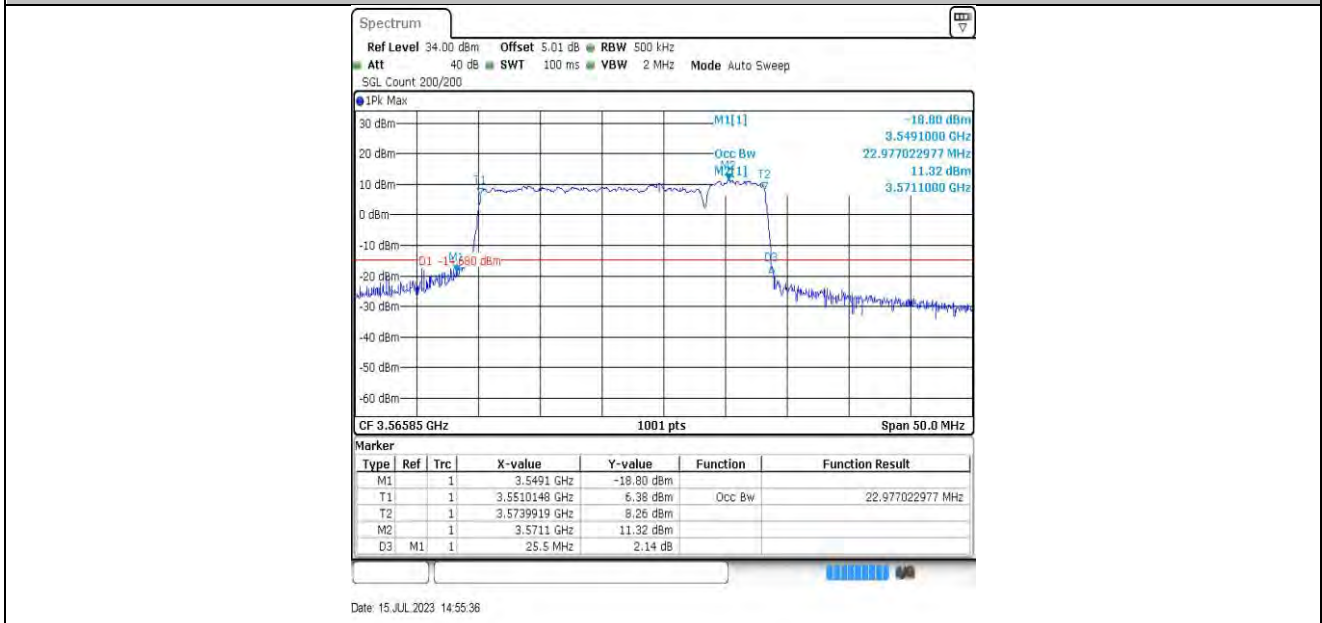
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### 20MHz-5MHz-56590-56707 64QAM-64QAM



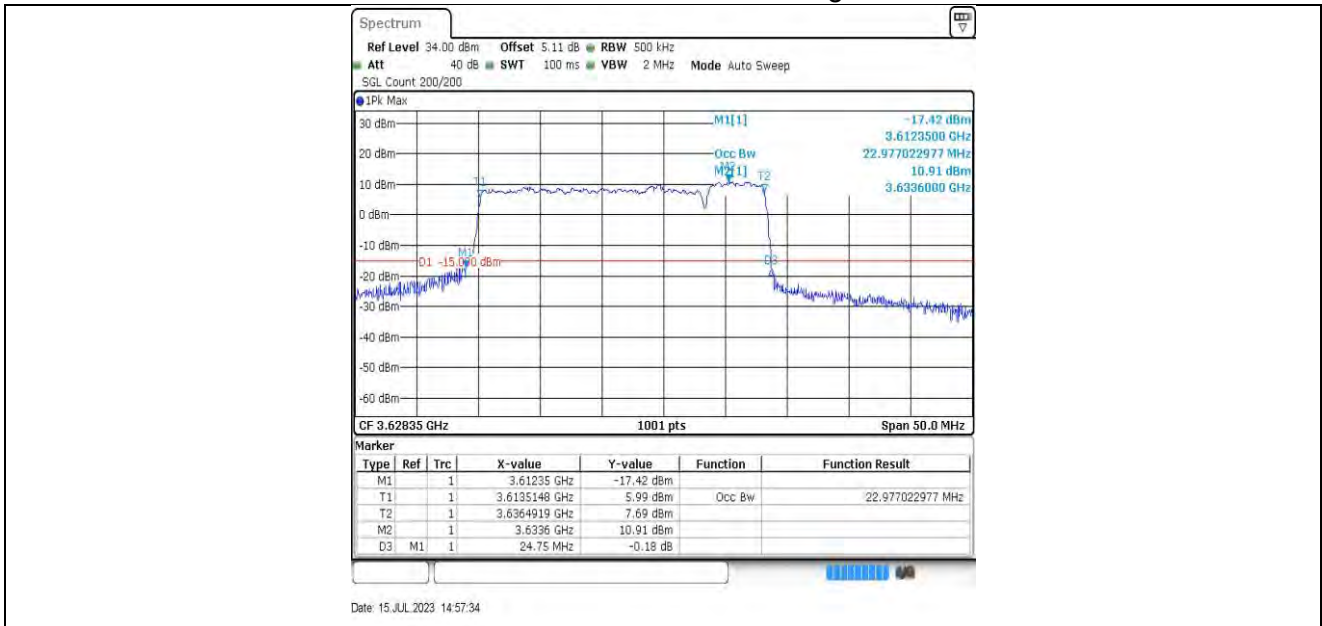
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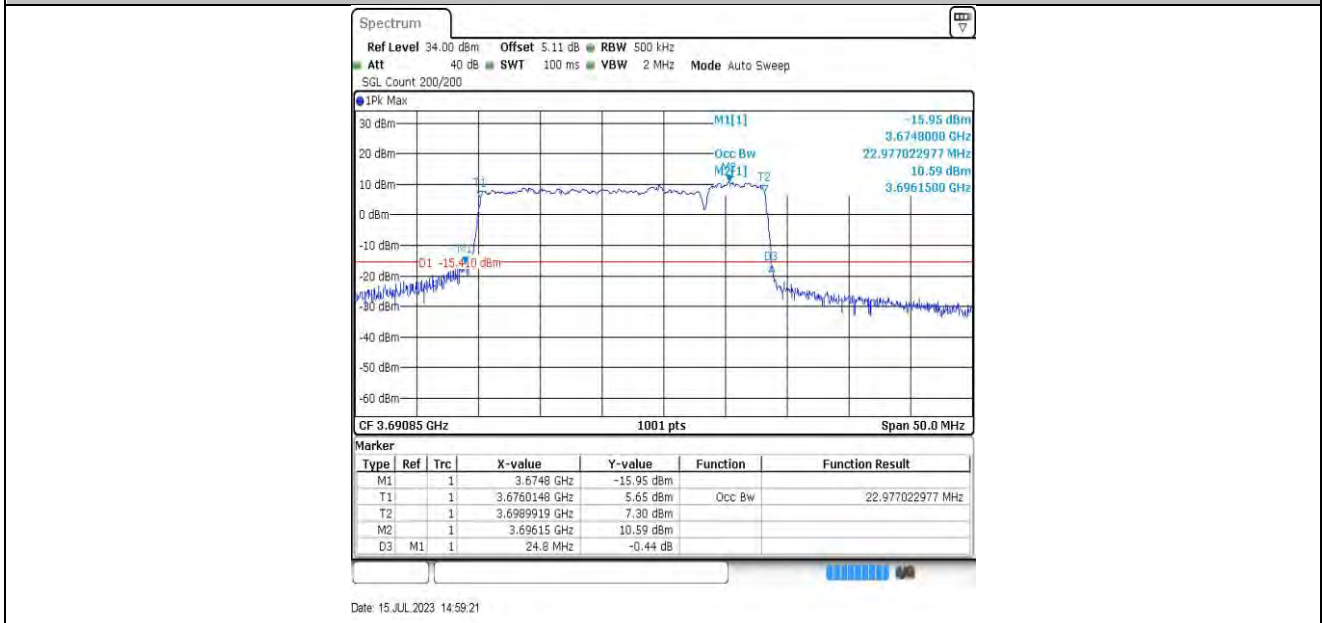
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20MHz-5MHz-55965-56082 256QAM-256QAM

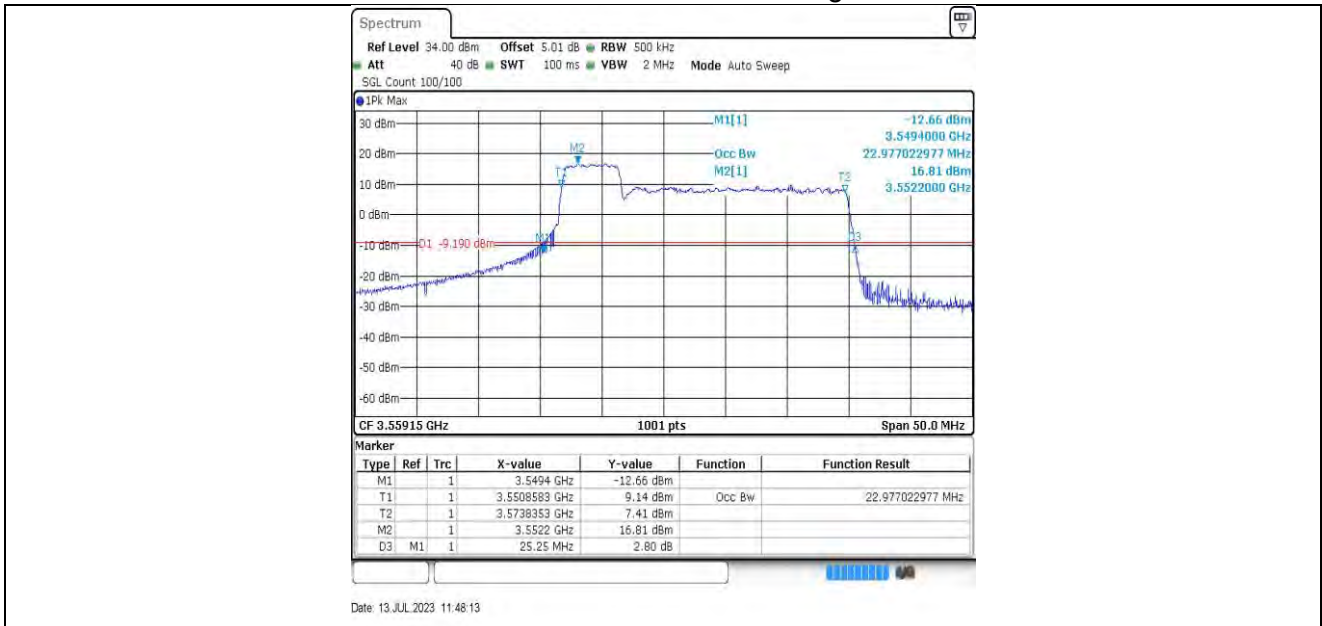


20MHz-5MHz-56590-56707 256QAM-256QAM

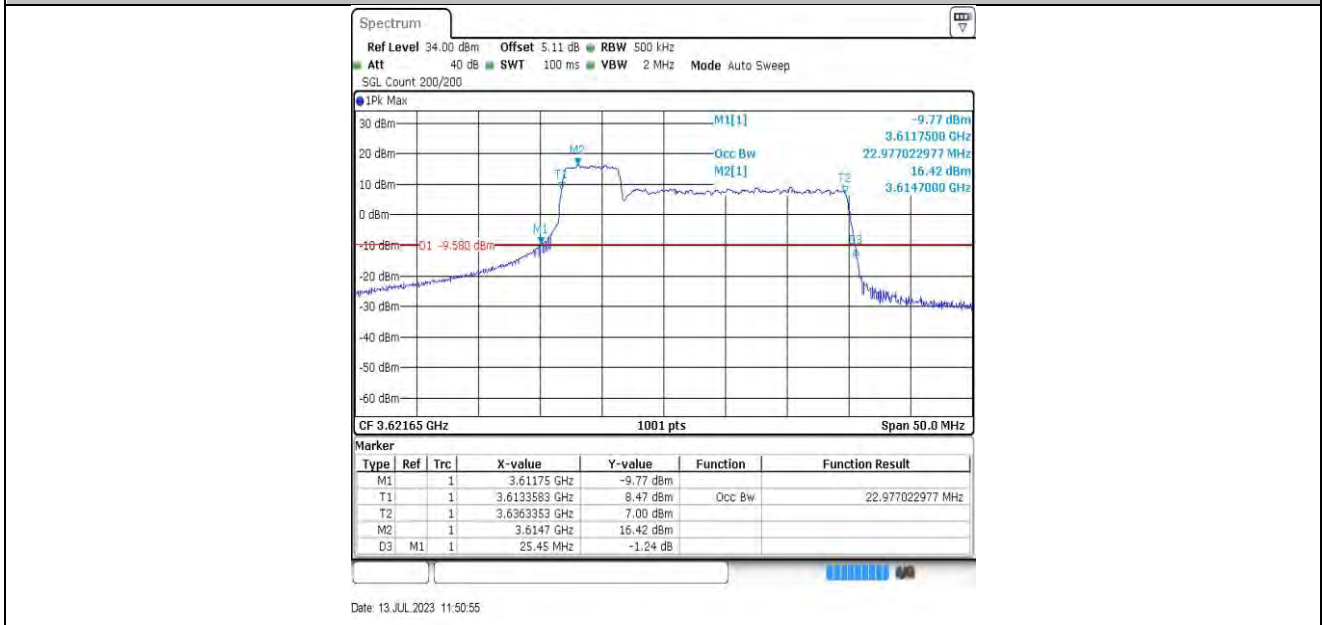


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### 5MHz-20MHz-55273-55390 QPSK-QPSK



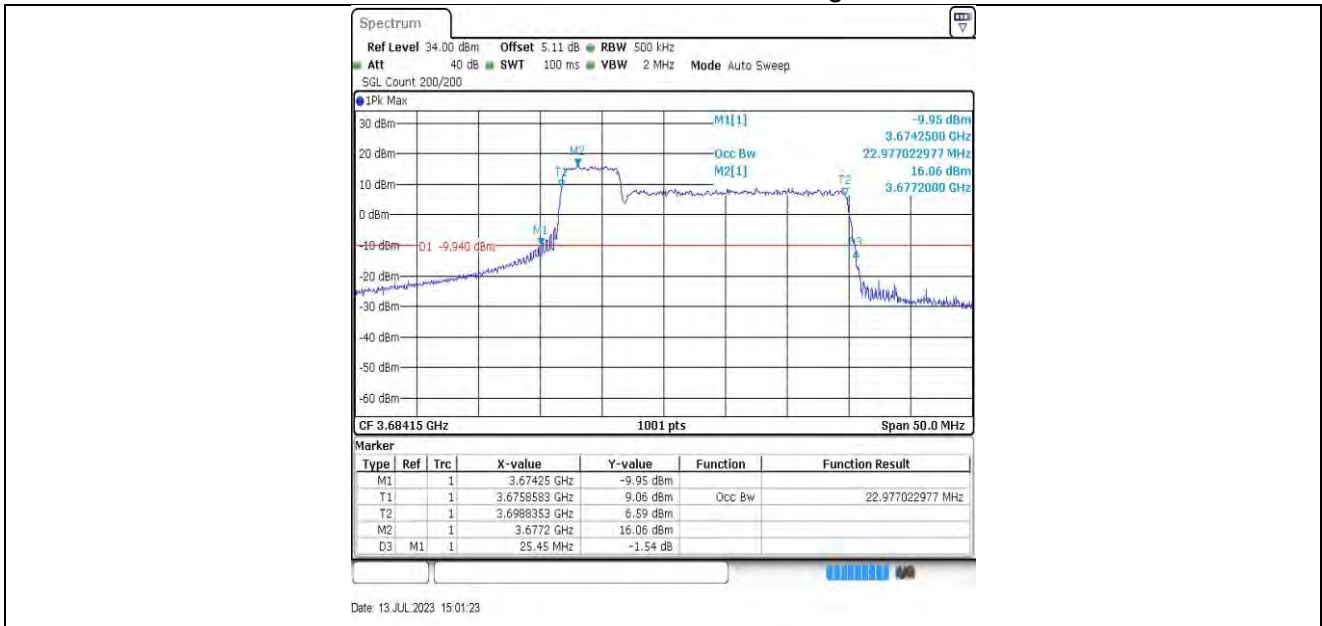
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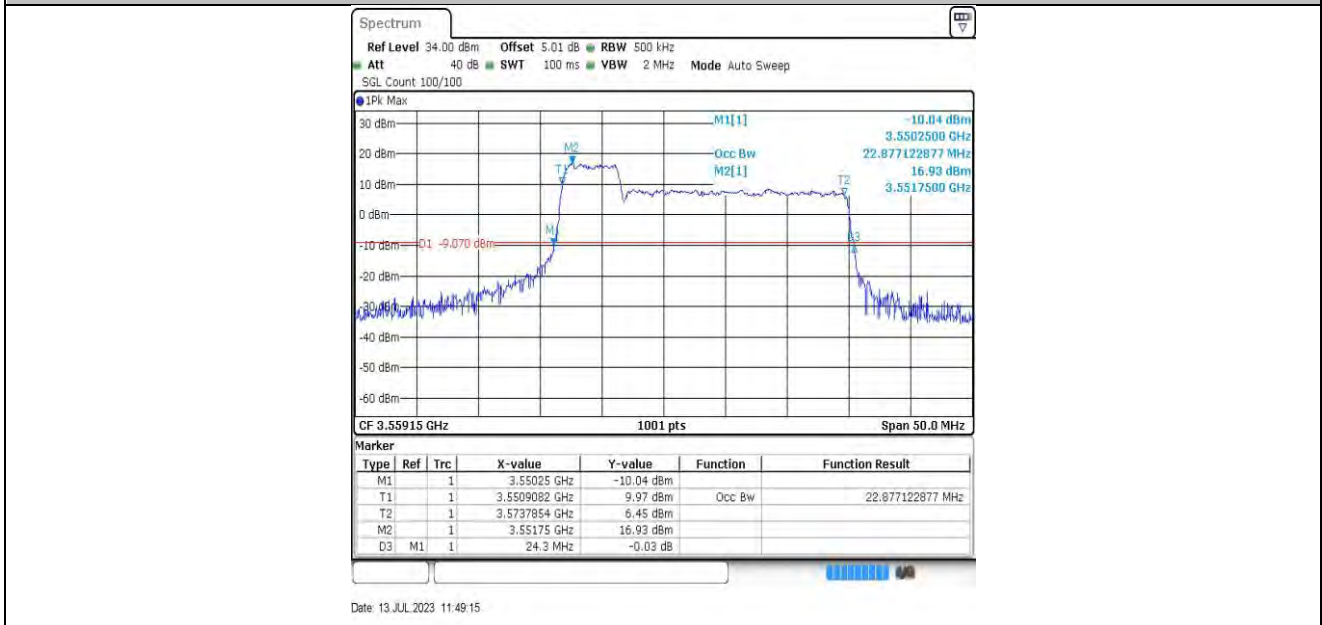
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### 5MHz-20MHz-56523-56640 QPSK-QPSK

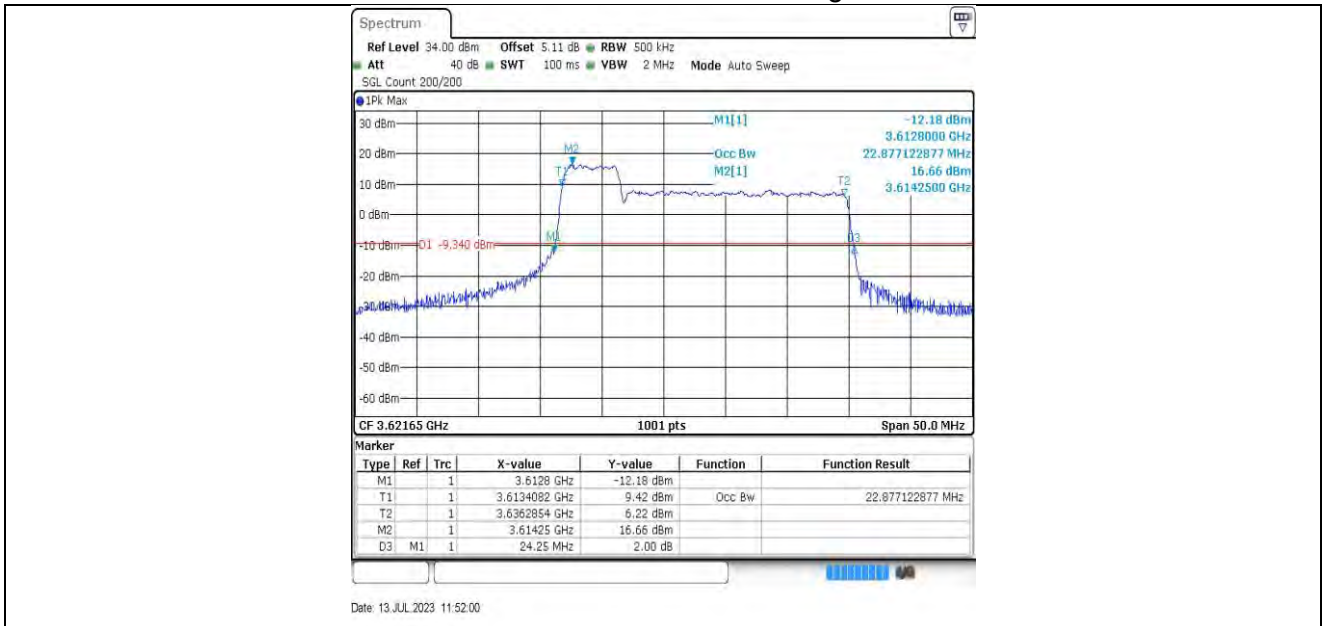


### 5MHz-20MHz-55273-55390 16QAM-16QAM

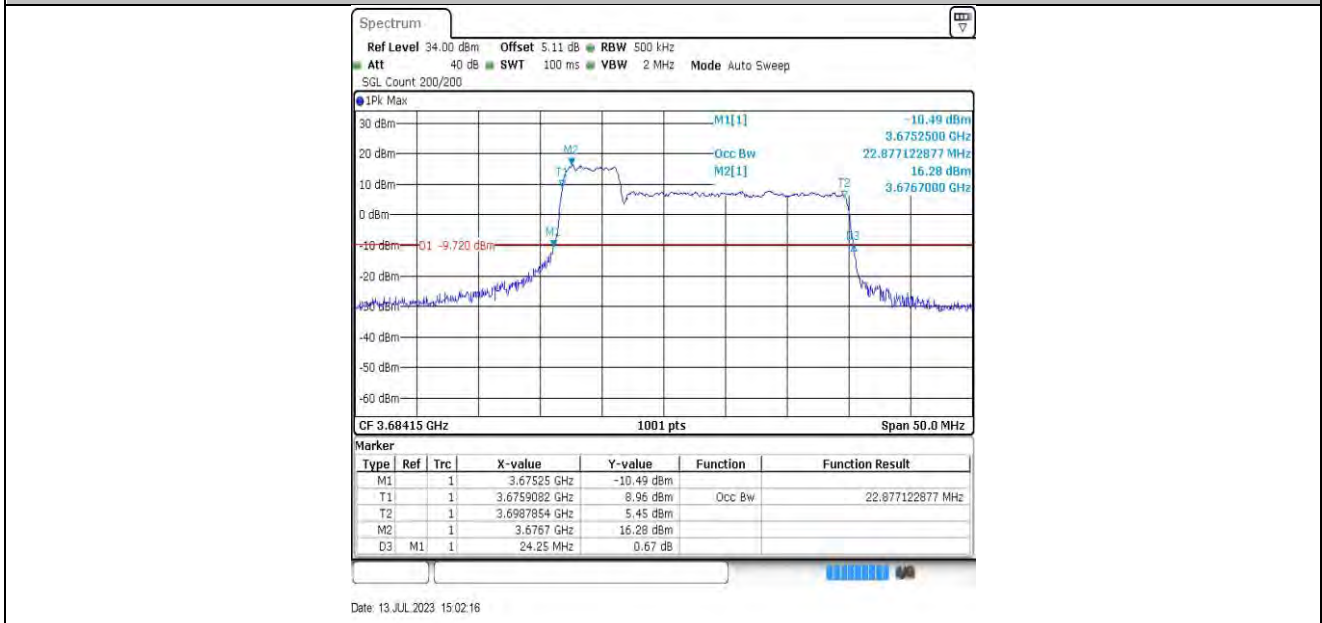


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### 5MHz-20MHz-55898-56015 16QAM-16QAM



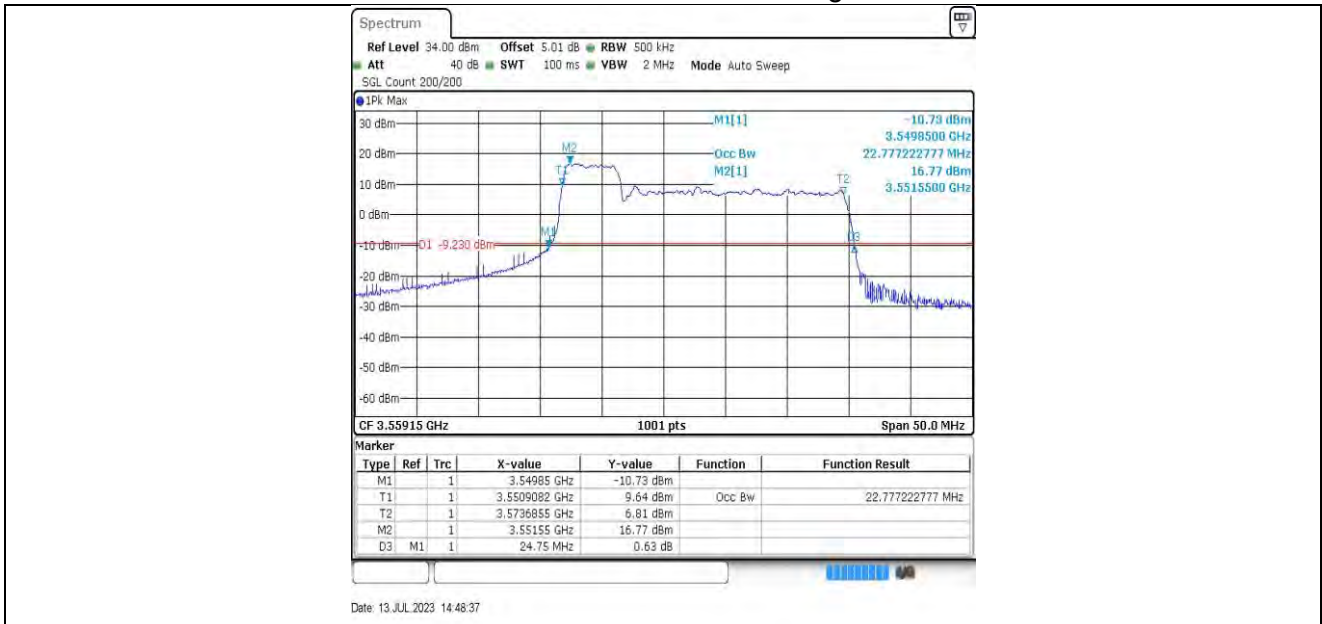
### 5MHz-20MHz-56523-56640 16QAM-16QAM



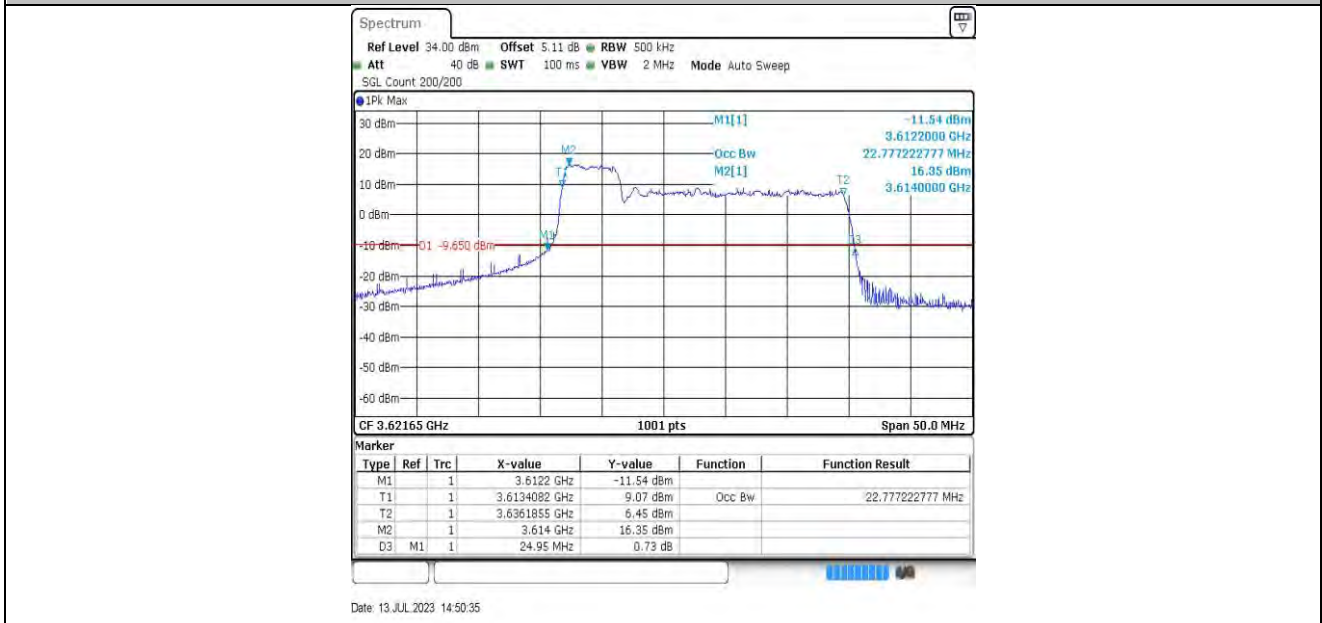
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### 5MHz-20MHz-55273-55390 64QAM-64QAM



### 5MHz-20MHz-55898-56015 64QAM-64QAM

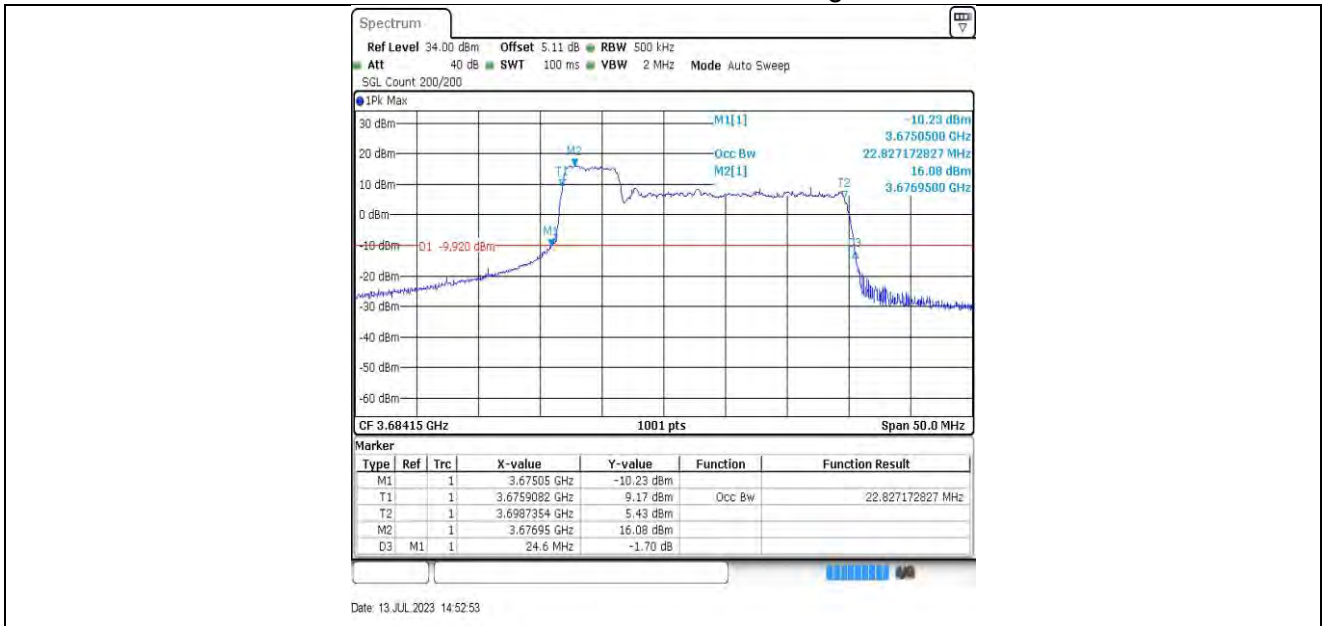


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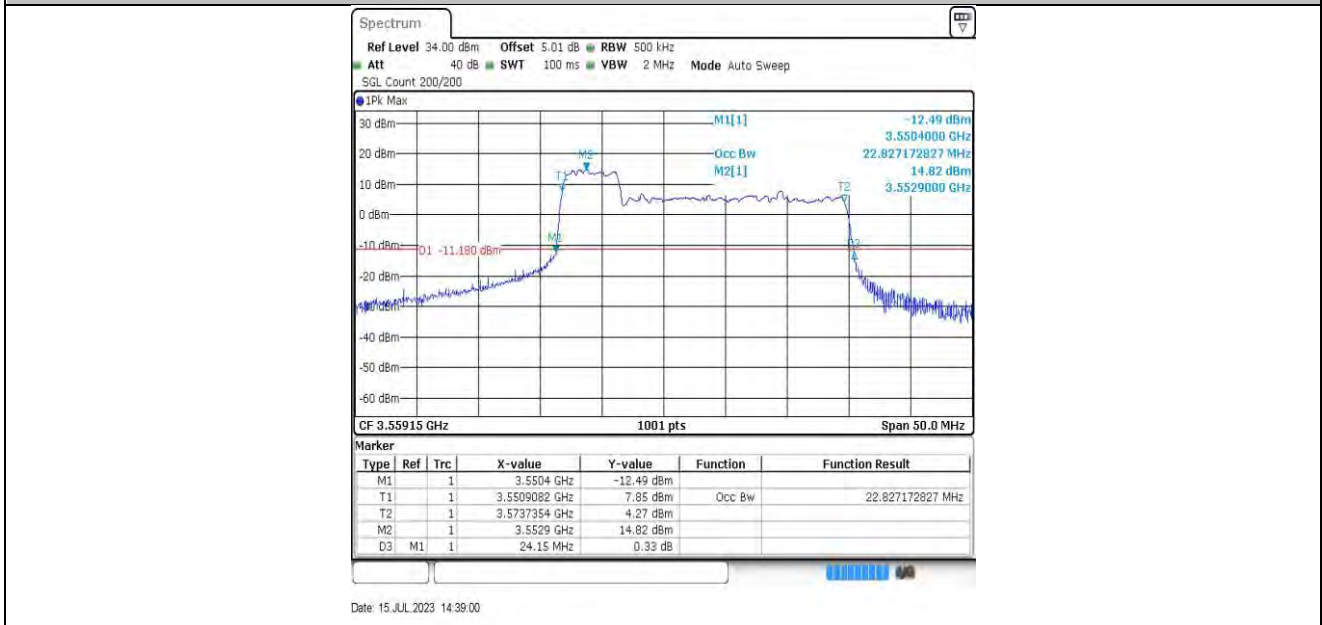
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### 5MHz-20MHz-56523-56640 64QAM-64QAM



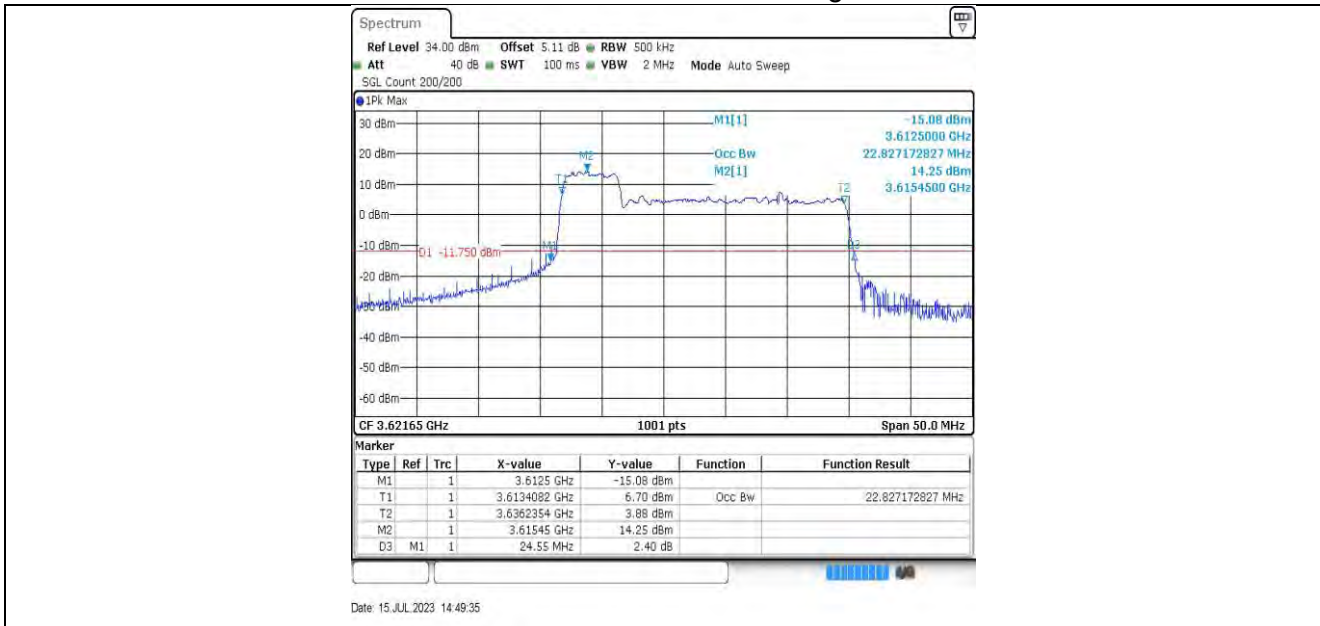
### 5MHz-20MHz-55273-55390 256QAM-256QAM



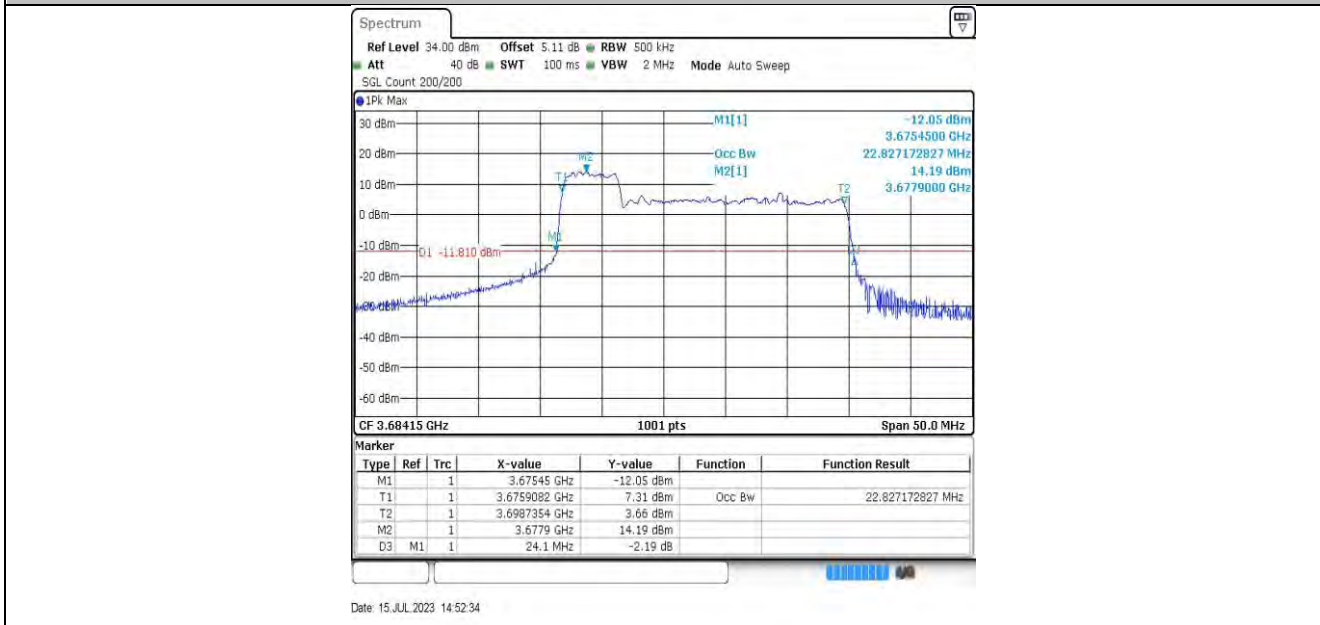
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### 5MHz-20MHz-55898-56015 256QAM-256QAM



### 5MHz-20MHz-56523-56640 256QAM-256QAM

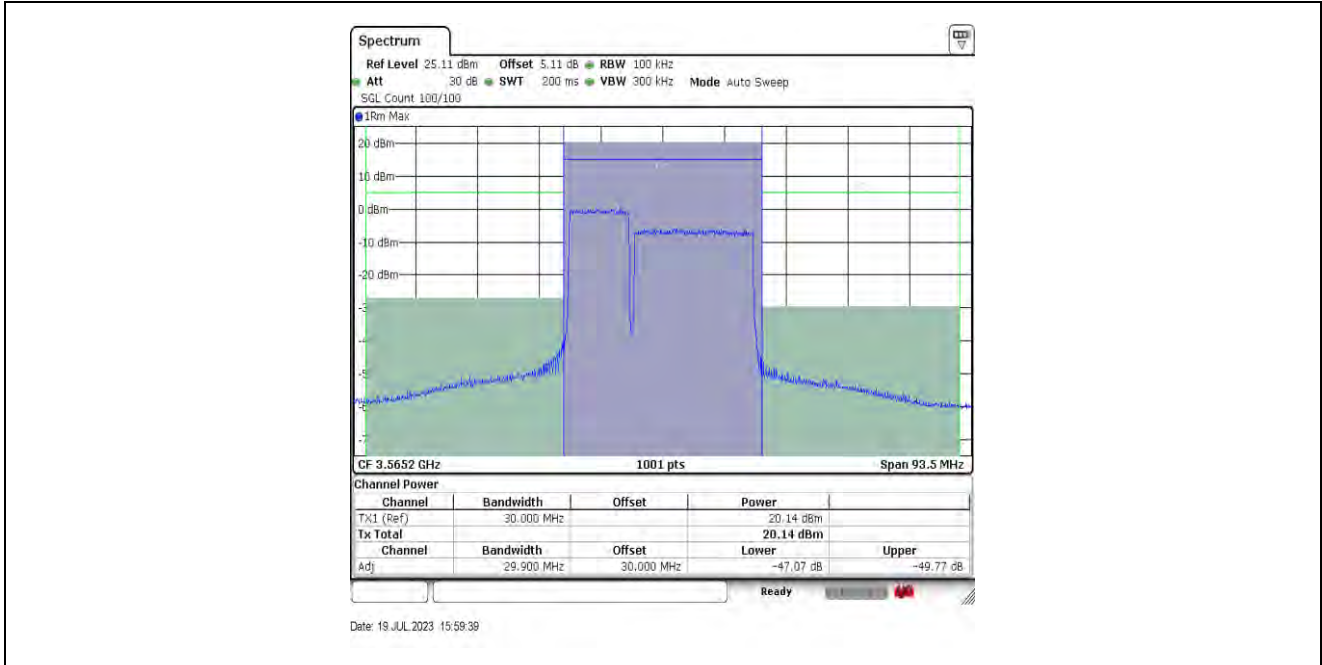


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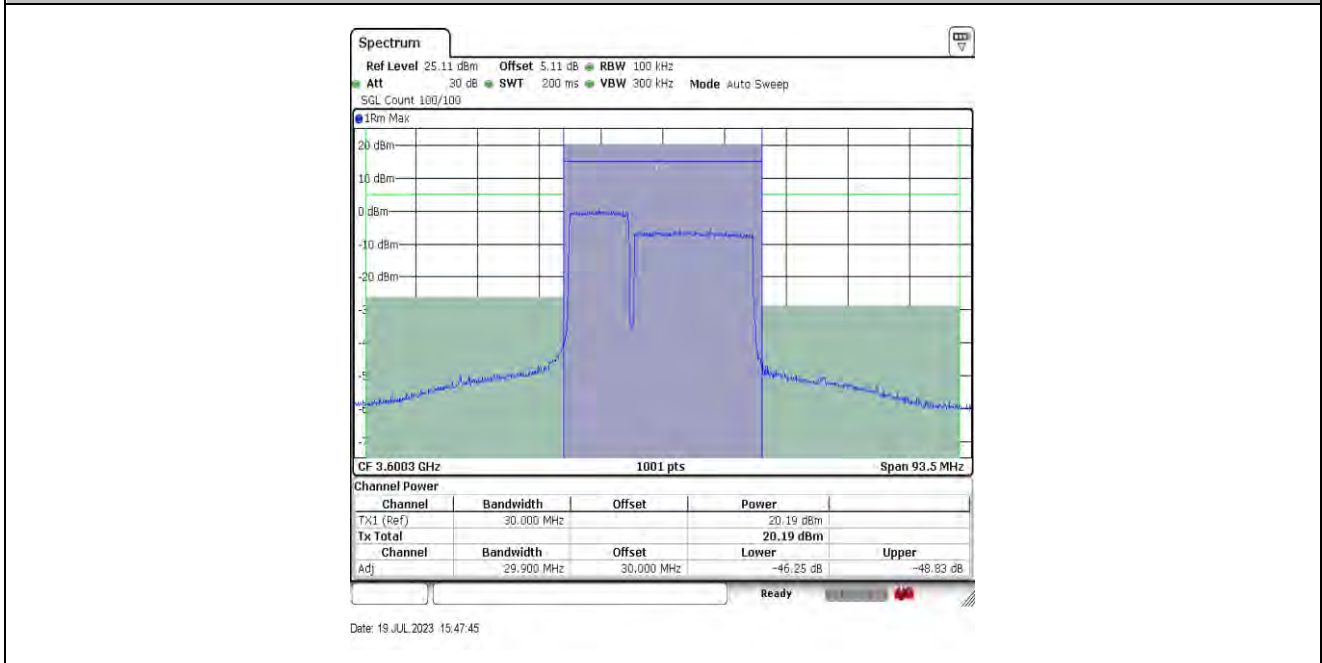
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## Adjacent channel leakage ratio

### Test Graphs



10MHz-20MHz-55295-55439 QPSK-QPSK



10MHz-20MHz-55896-56040 QPSK-QPSK

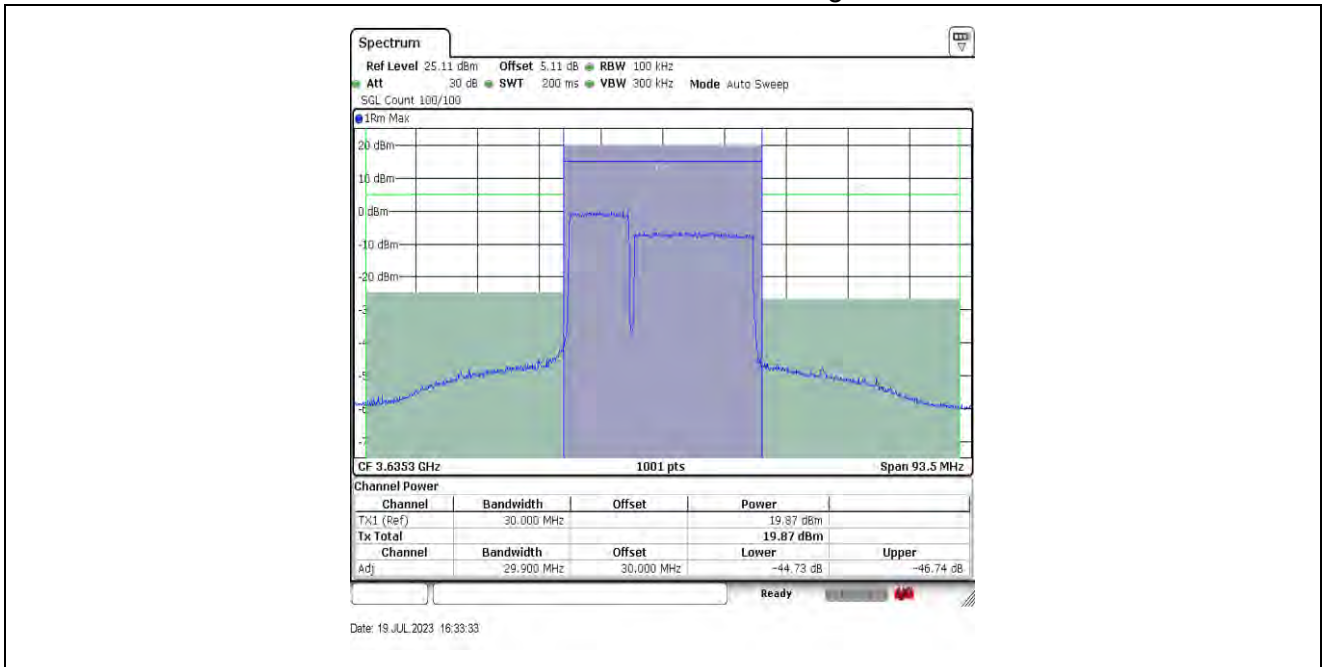


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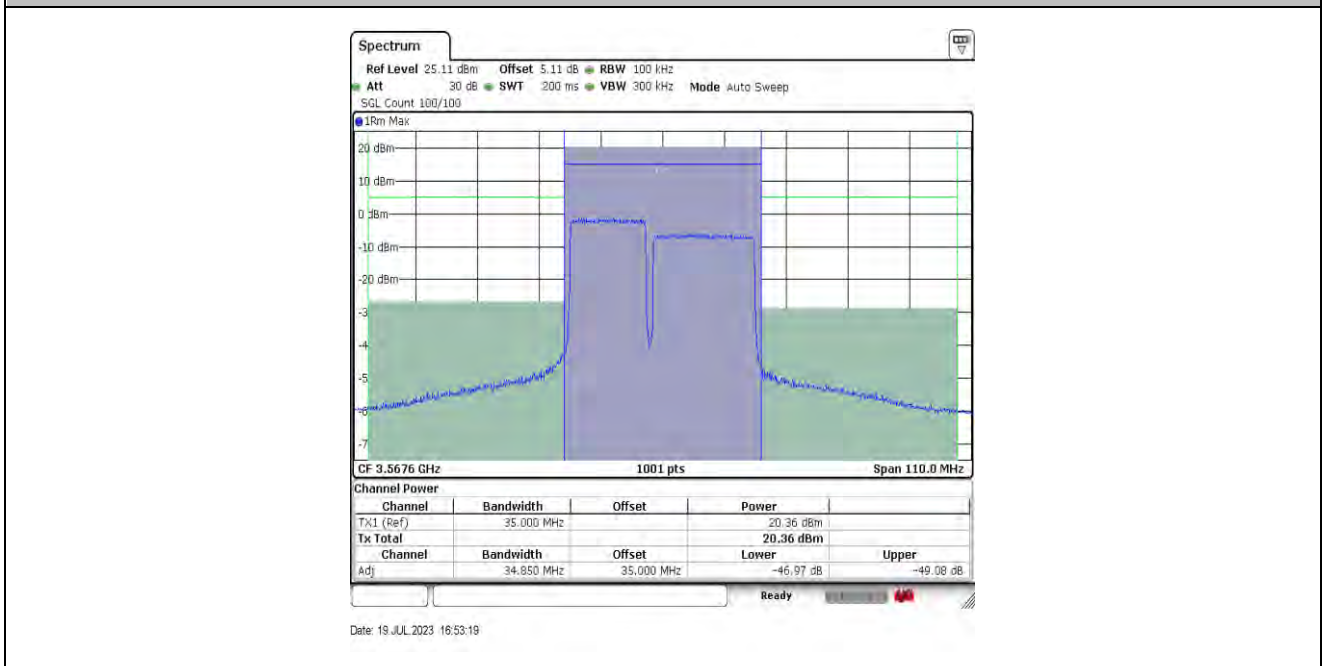
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10MHz-20MHz-56496-56640 QPSK-QPSK



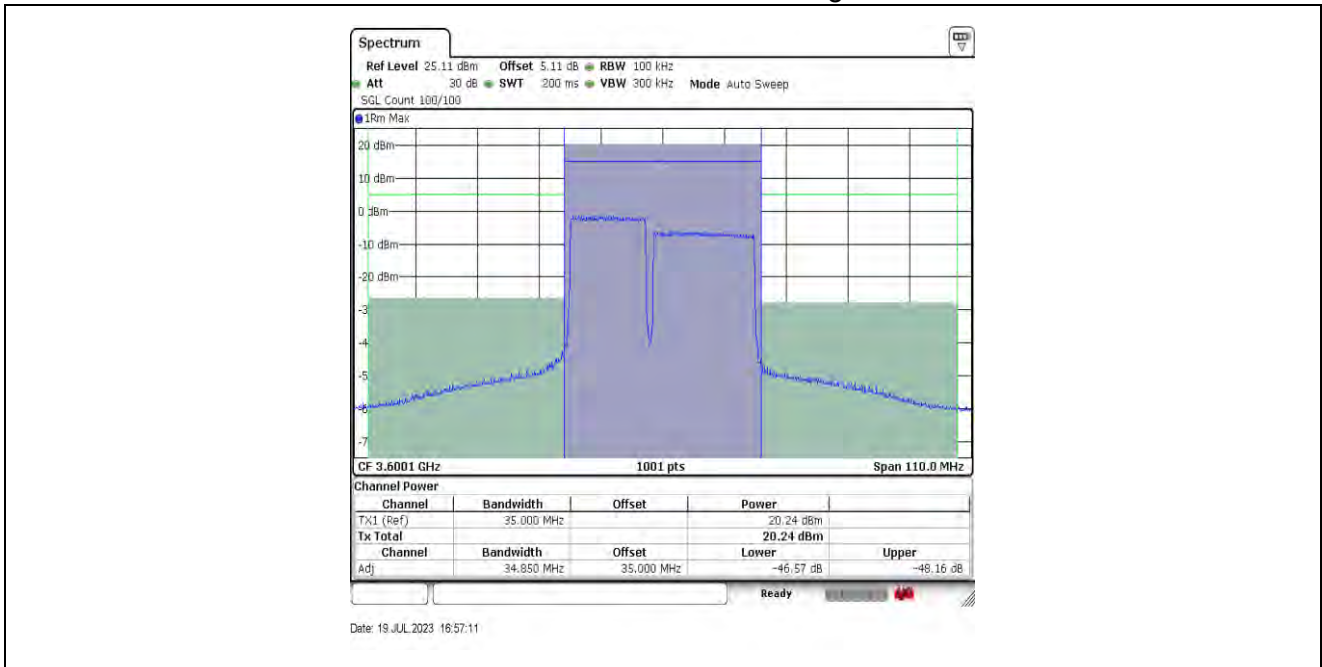
15MHz-20MHz-55318-55489 QPSK-QPSK



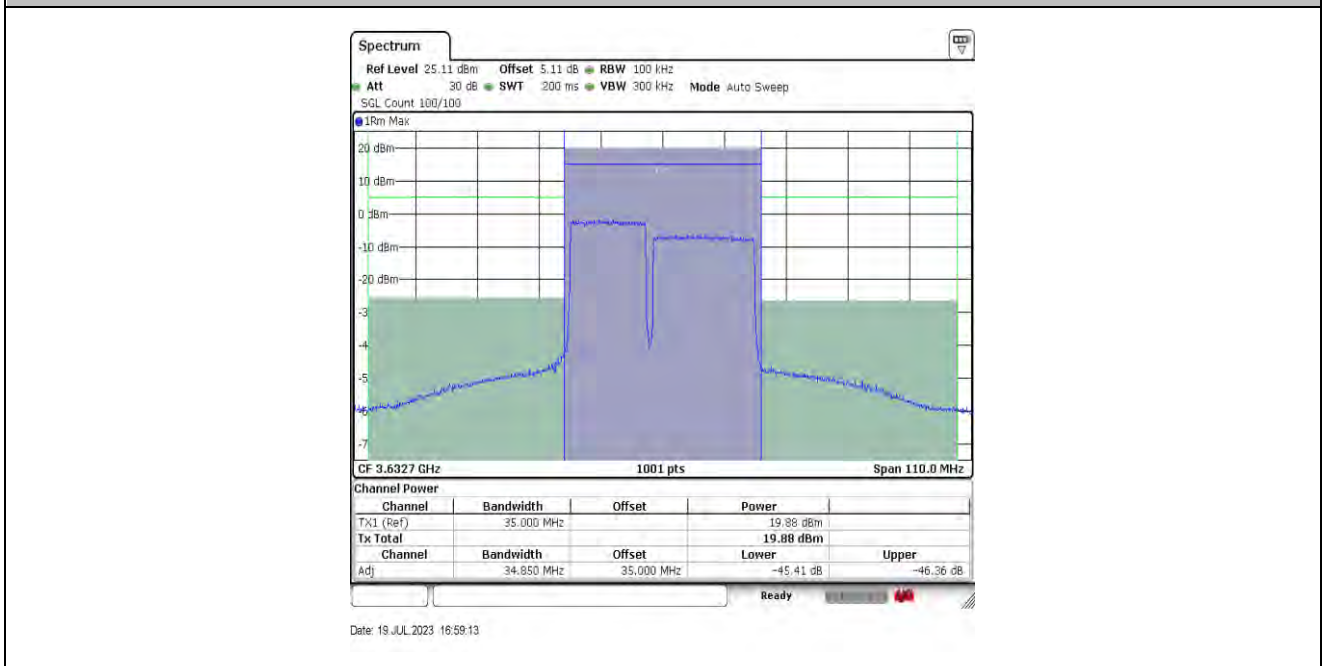
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15MHz-20MHz-55893-56064 QPSK-QPSK



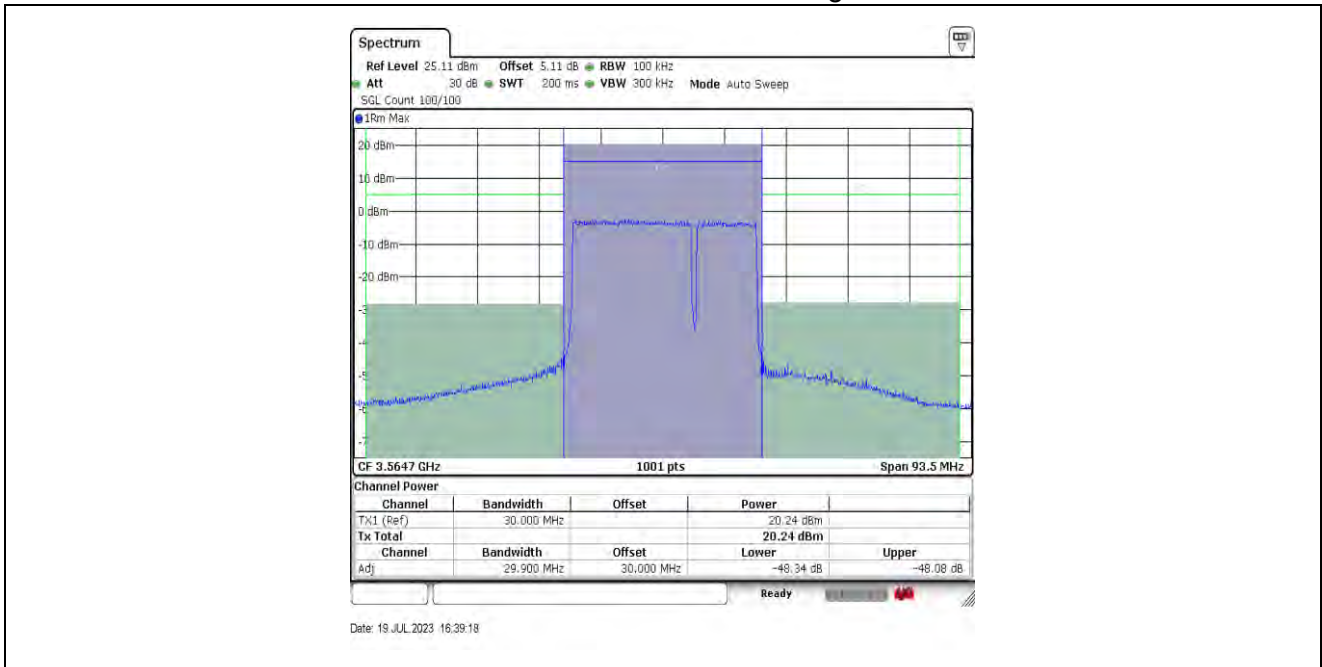
15MHz-20MHz-56469-56640 QPSK-QPSK



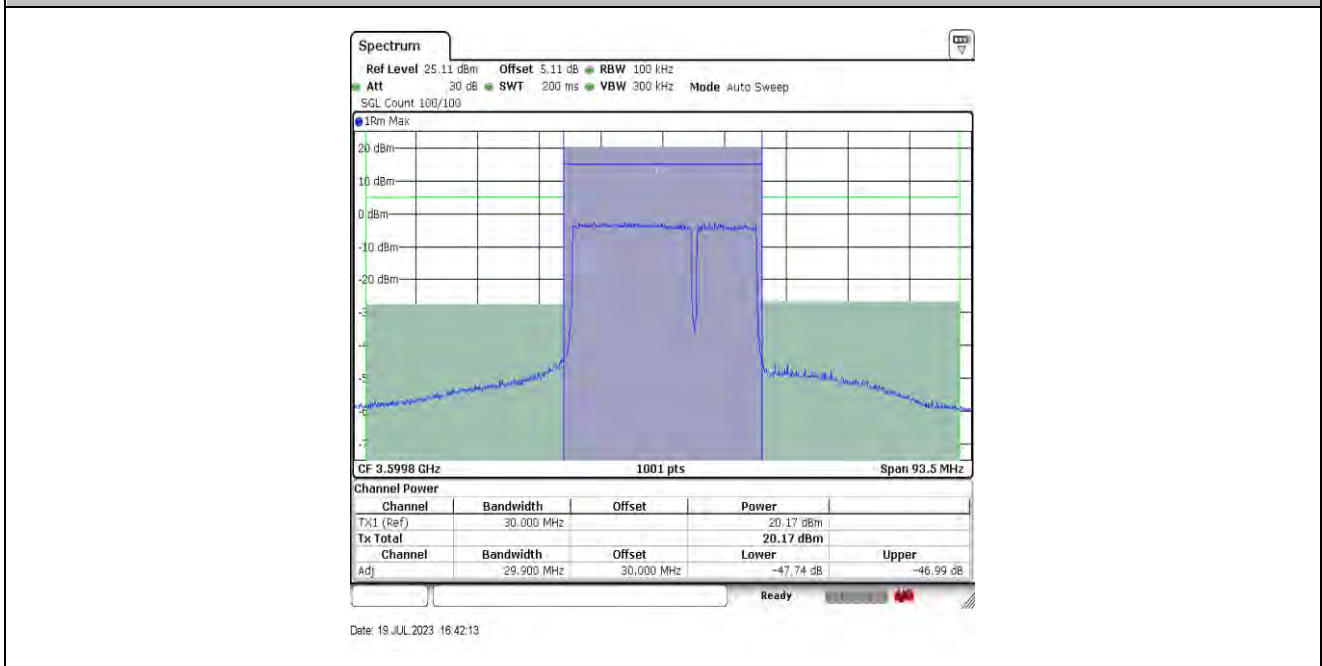
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20MHz-10MHz-55340-55484 QPSK-QPSK



20MHz-10MHz-55941-56085 QPSK-QPSK

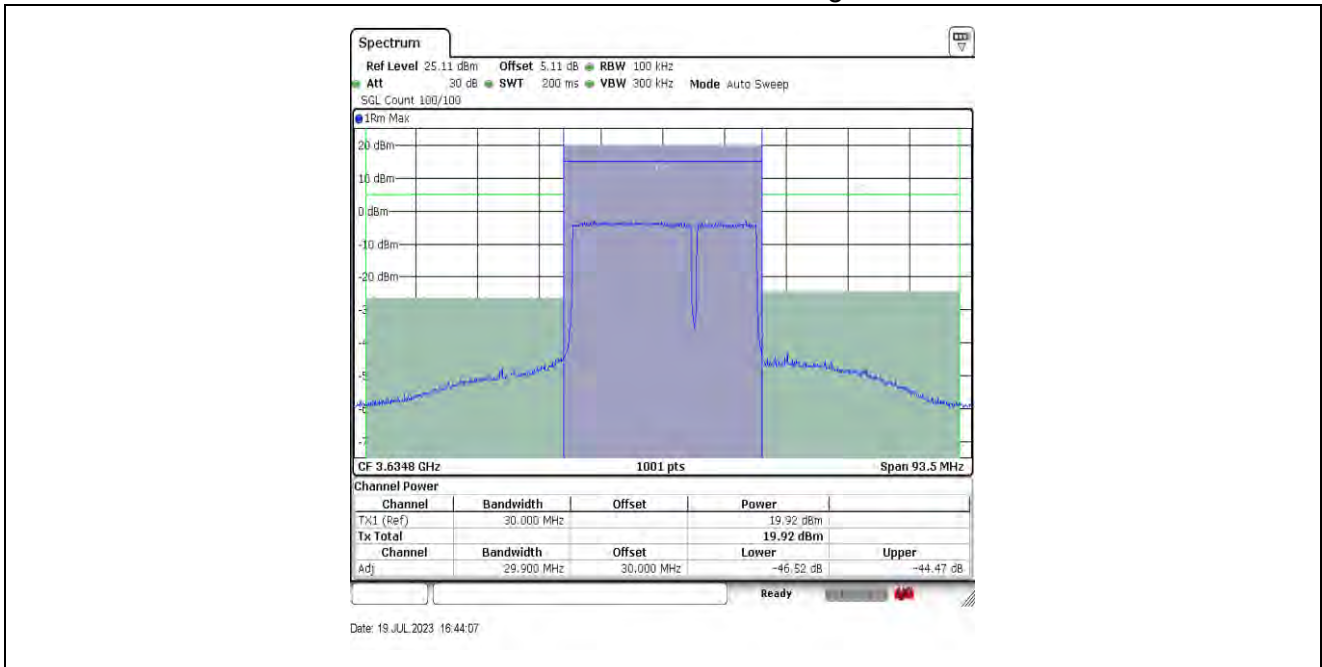


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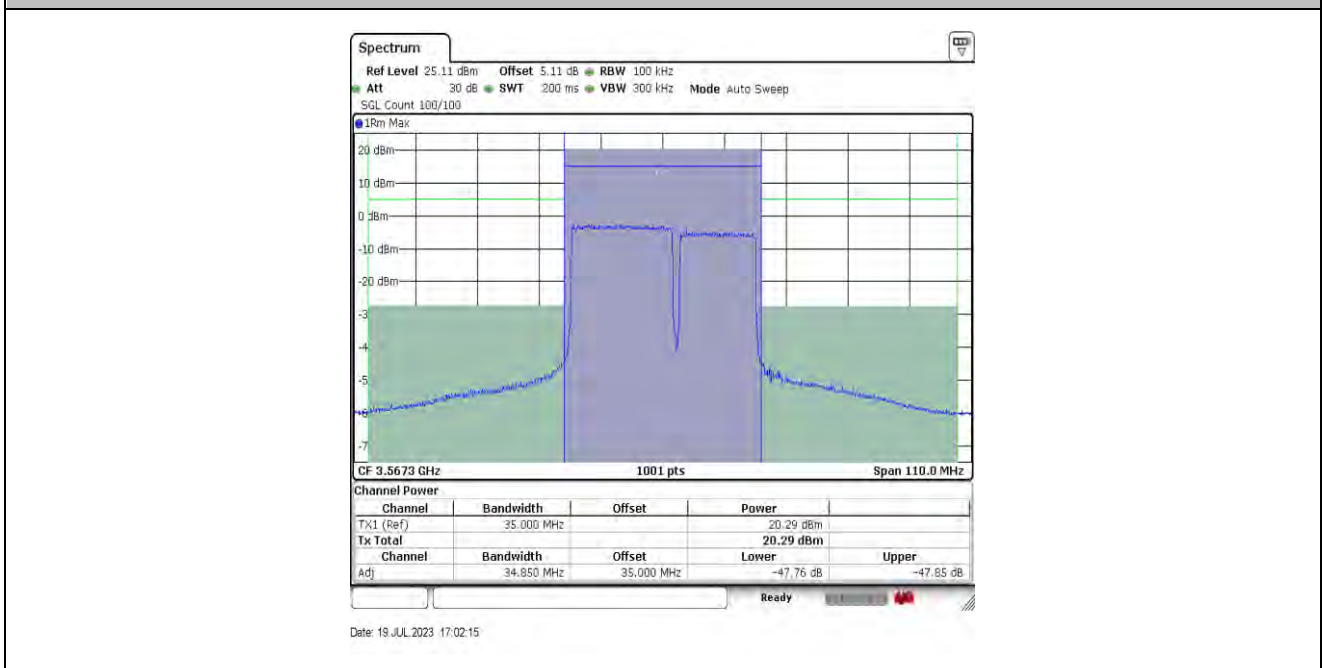
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20MHz-10MHz-56541-56685 QPSK-QPSK



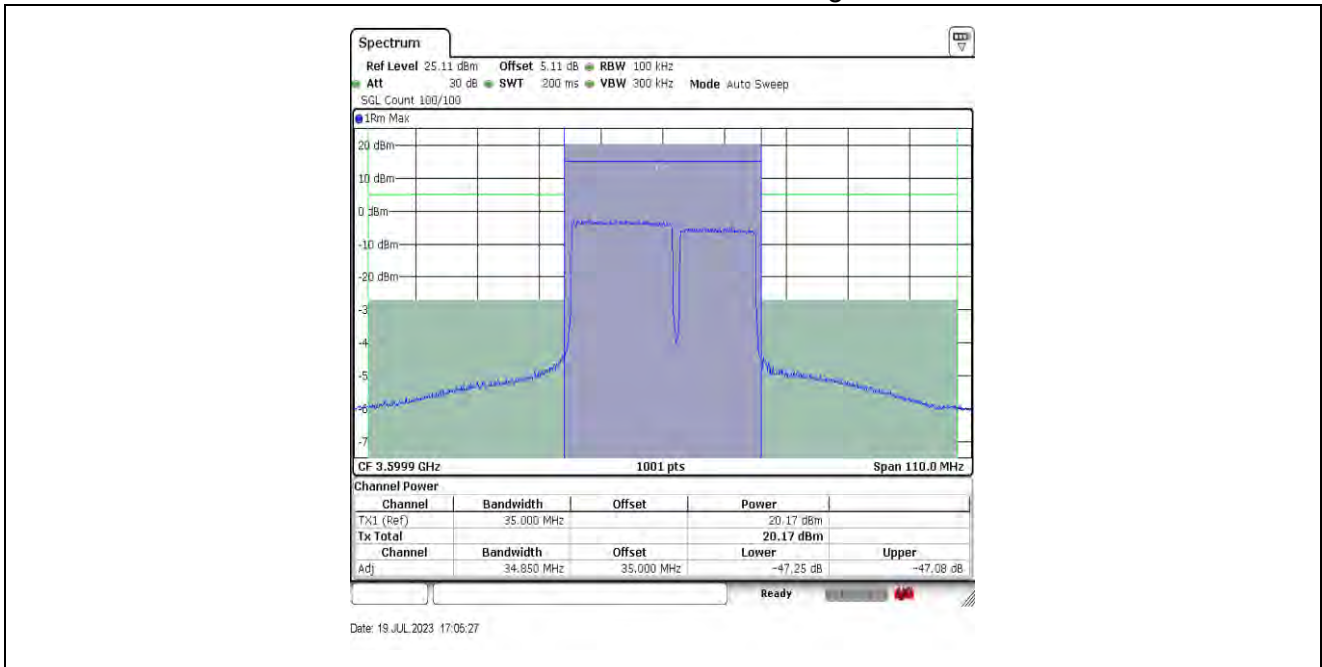
20MHz-15MHz-55916-56087 QPSK-QPSK



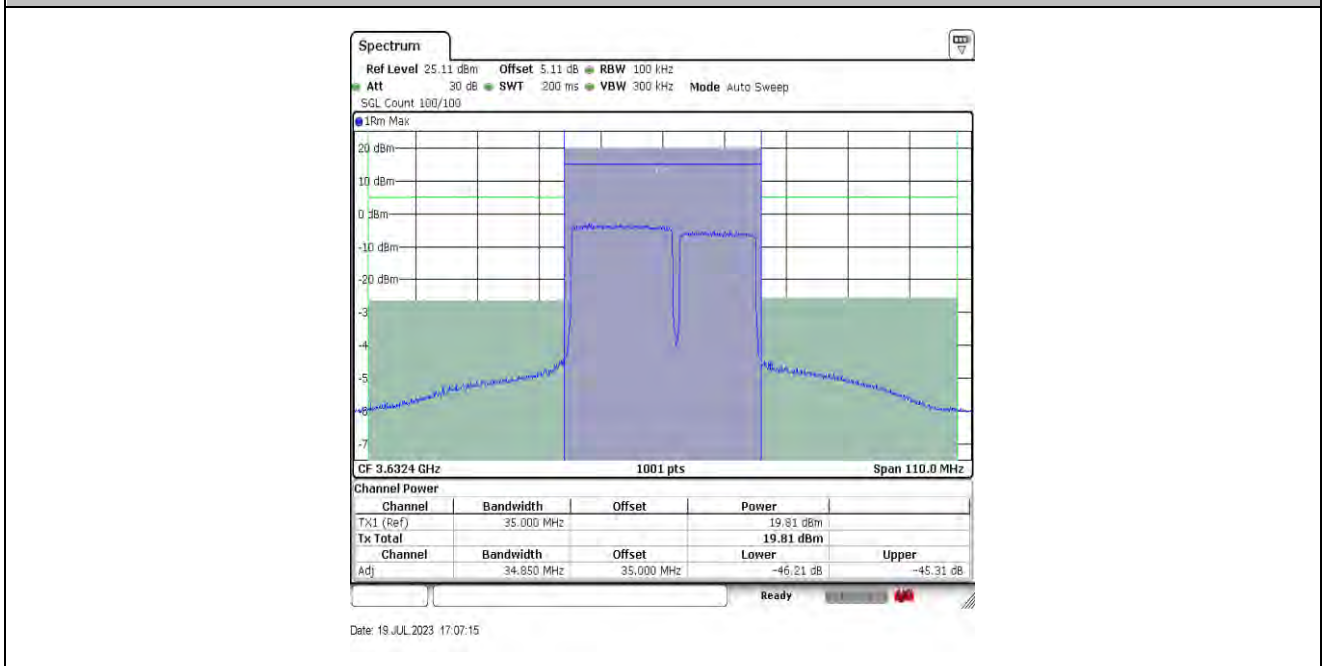
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20MHz-15MHz-56491-56662 QPSK-QPSK



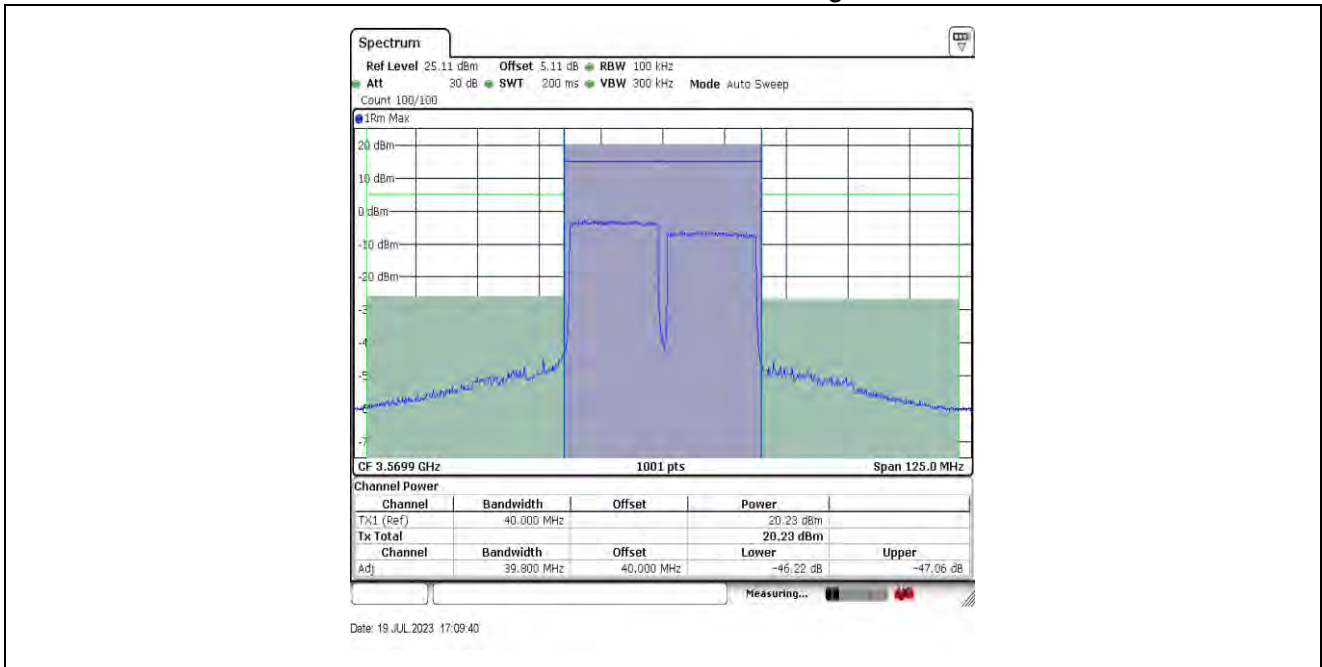
20MHz-15MHz-55340-55511 QPSK-QPSK



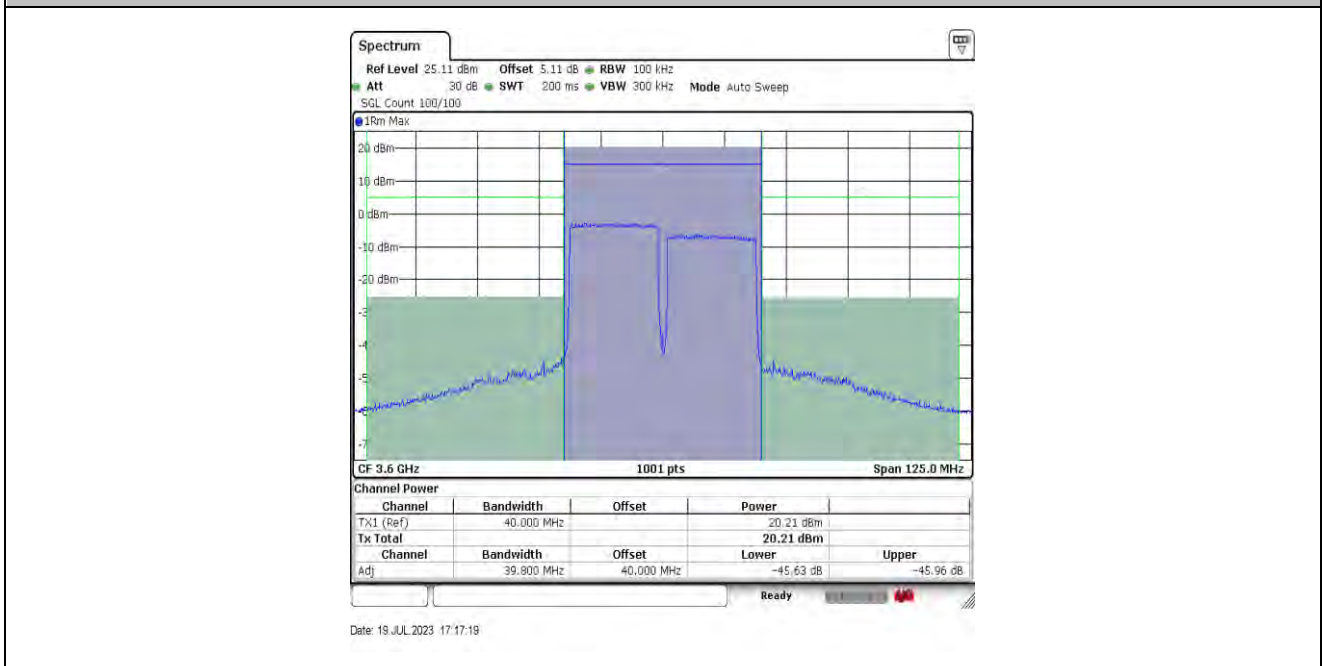
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20MHz-20MHz-55340-55538 QPSK-QPSK



20MHz-20MHz-55891-56089 QPSK-QPSK

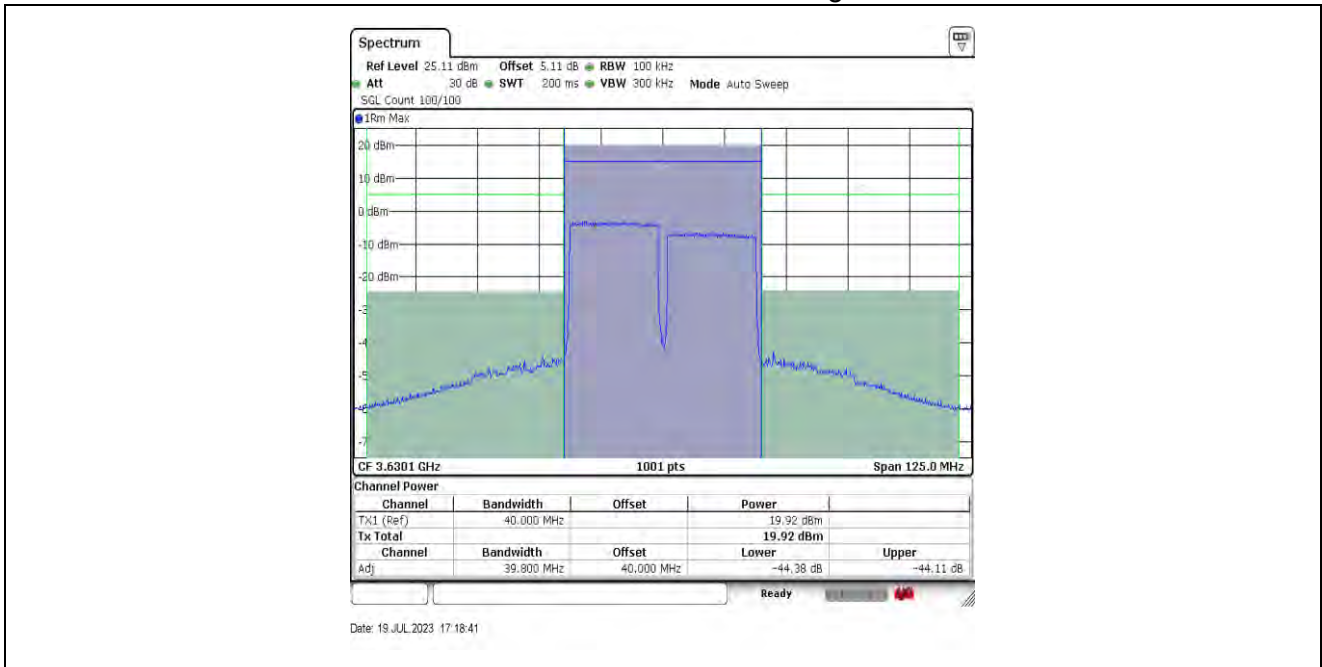


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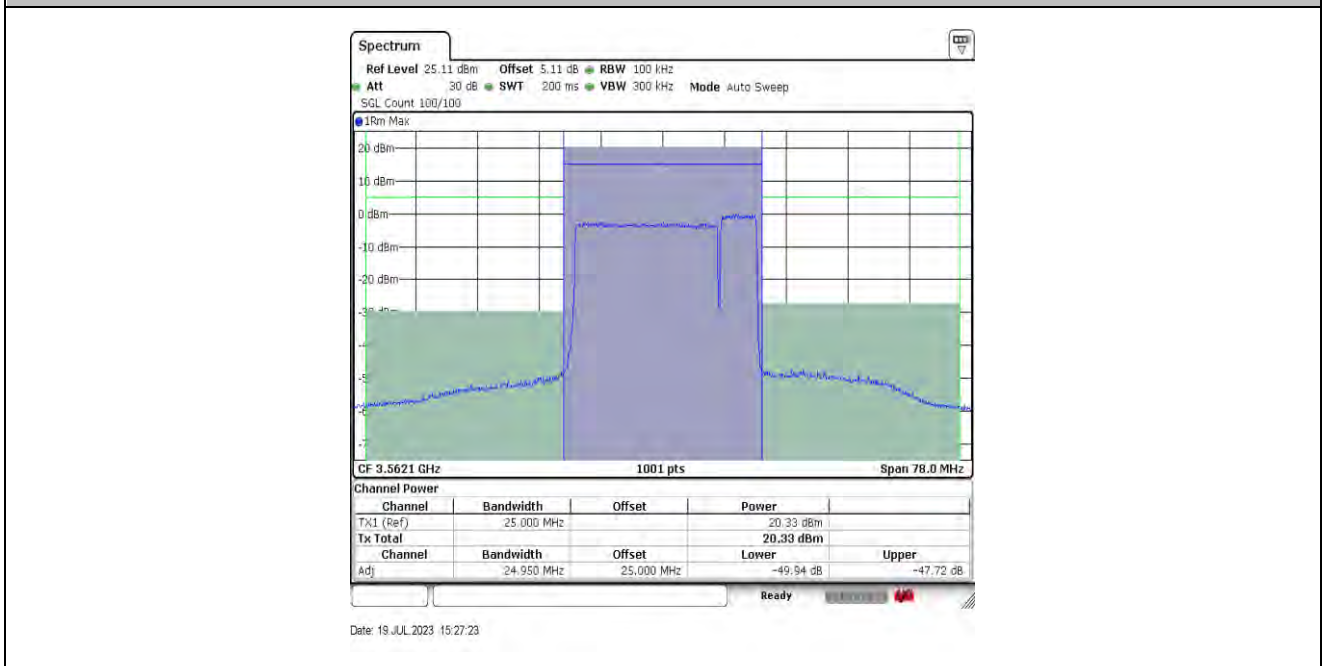
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20MHz-20MHz-56442-56640 QPSK-QPSK



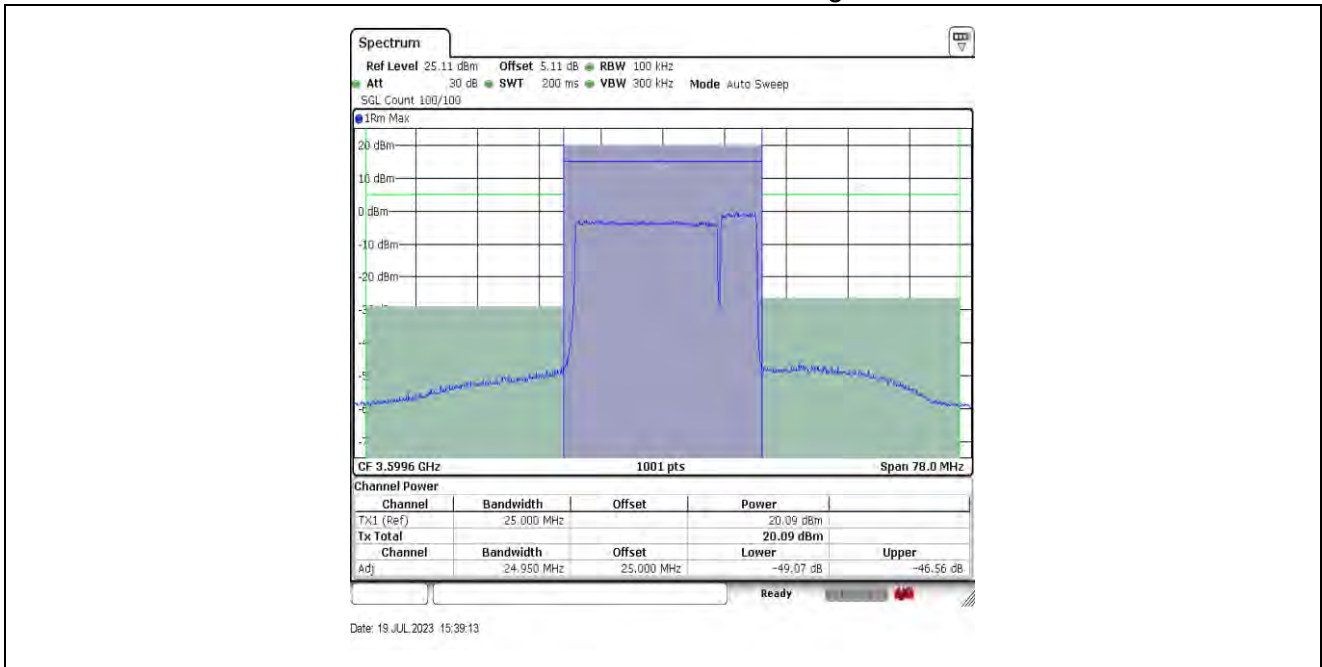
20MHz-5MHz-55340-55457 QPSK-QPSK



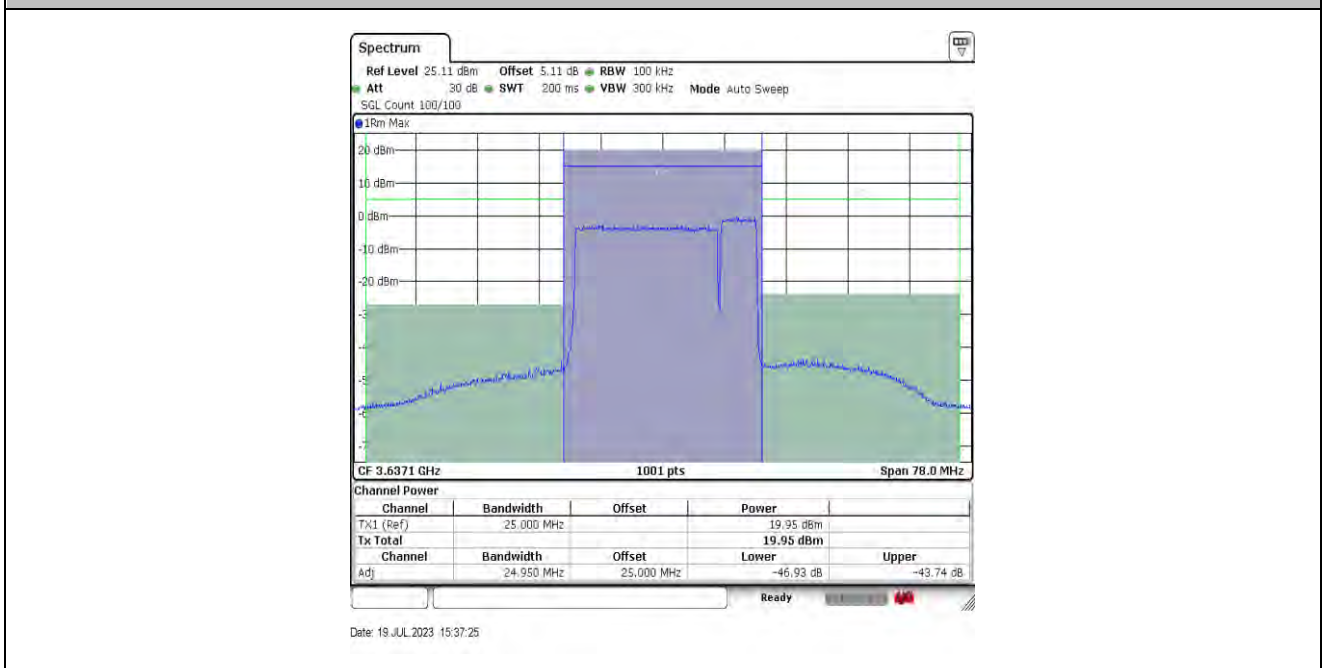
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20MHz-5MHz-55965-56082 QPSK-QPSK



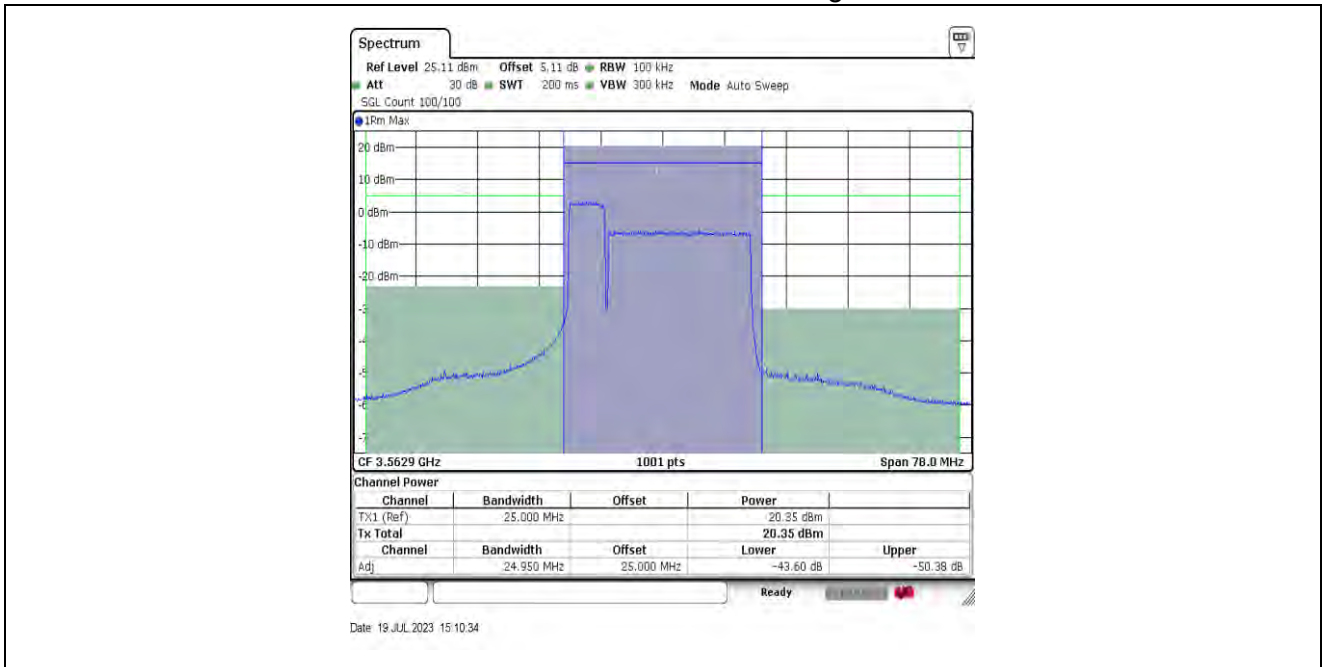
20MHz-5MHz-56590-56707 QPSK-QPSK



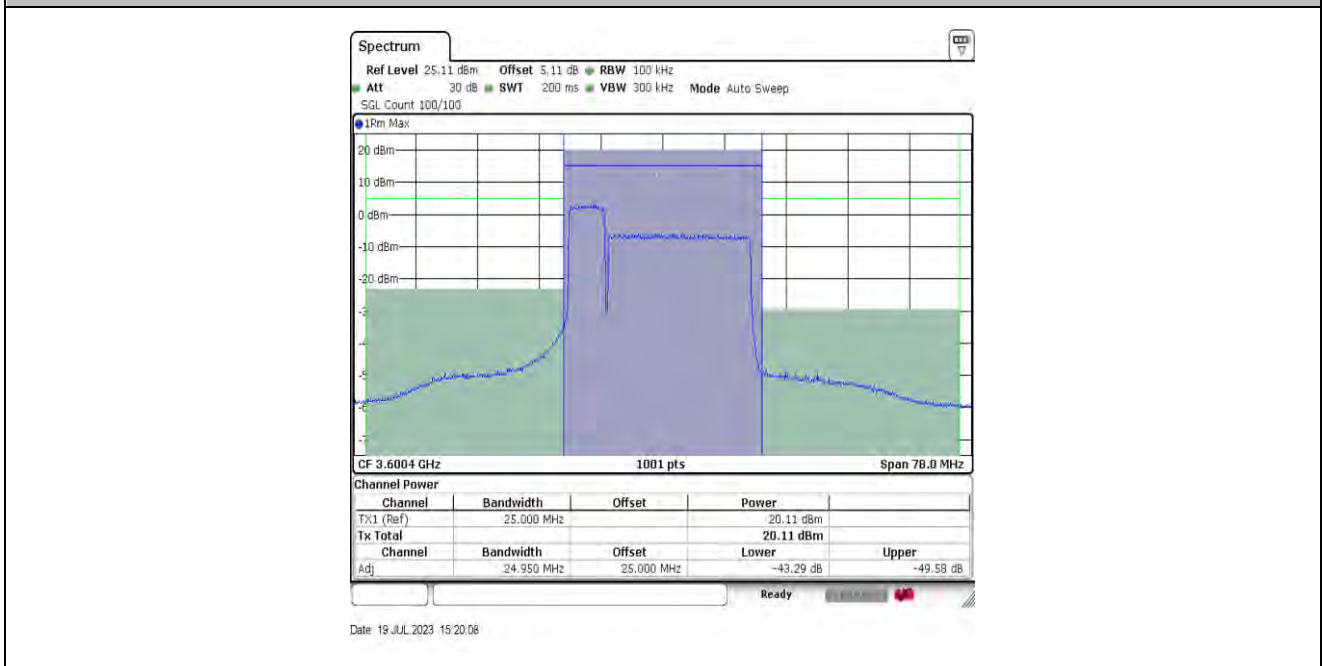
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5MHz-20MHz-55273-55390 QPSK-QPSK



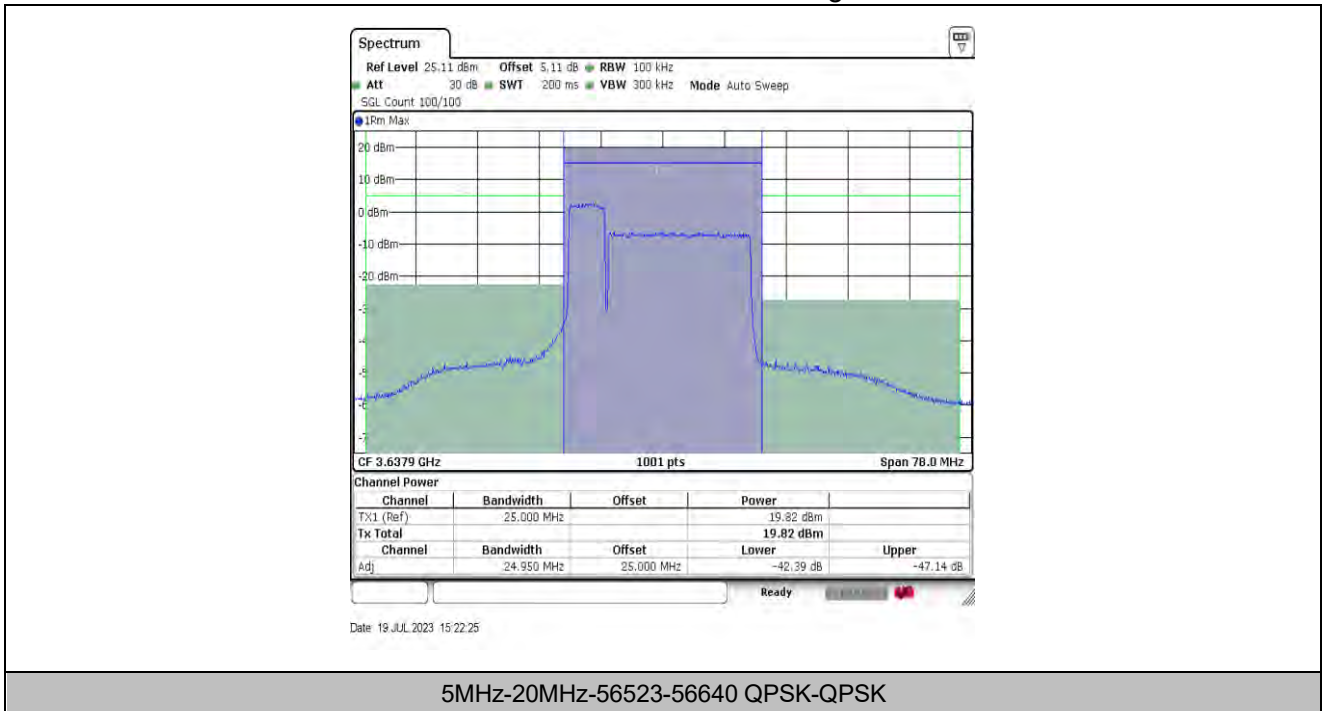
5MHz-20MHz-55898-56015 QPSK-QPSK



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5MHz-20MHz-56523-56640 QPSK-QPSK



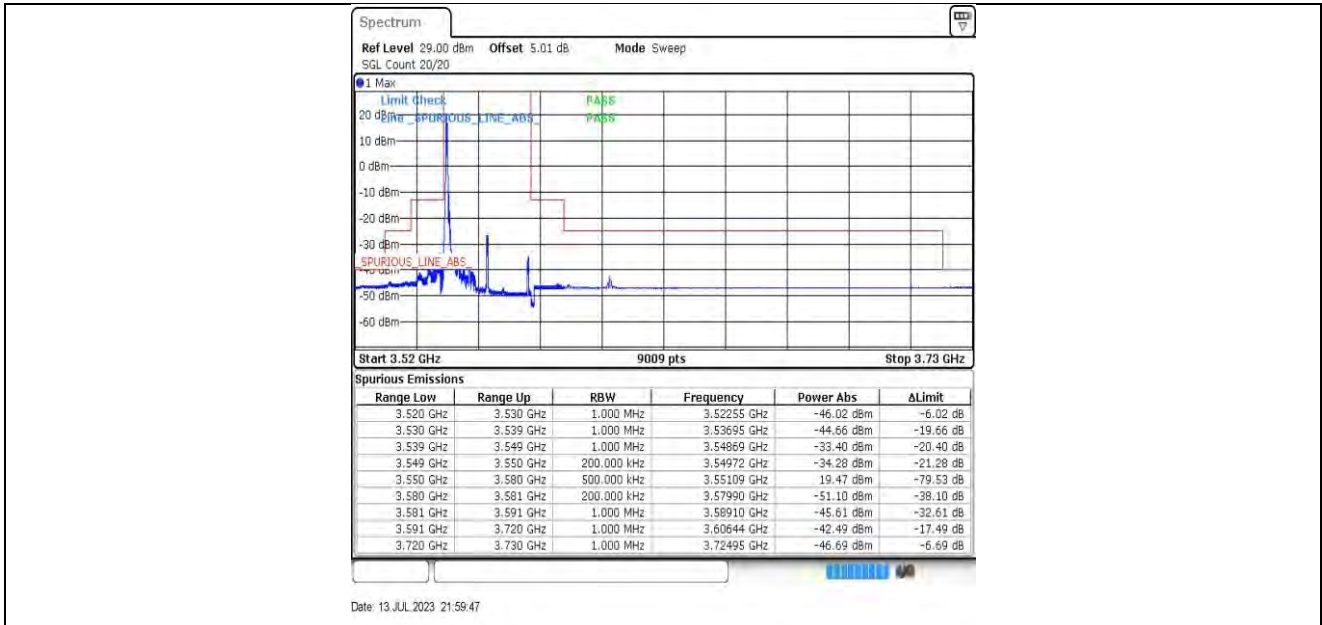
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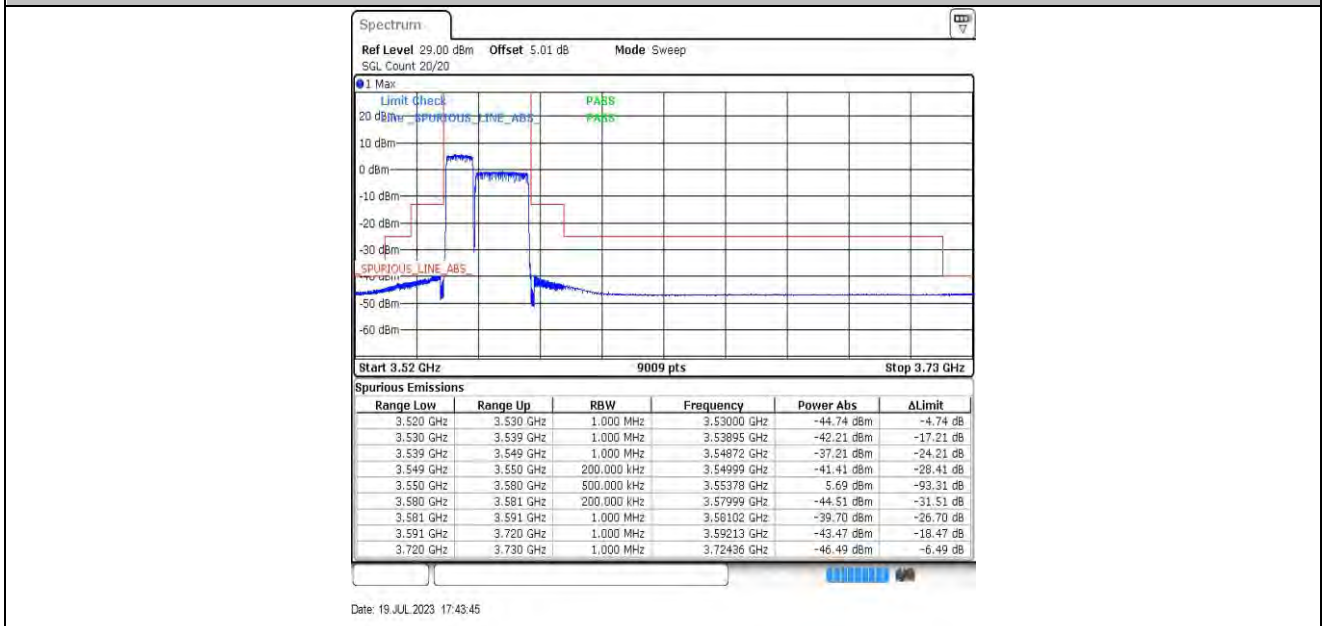
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### Band Edge

### Test Graphs



10MHz-20MHz-55295-55439



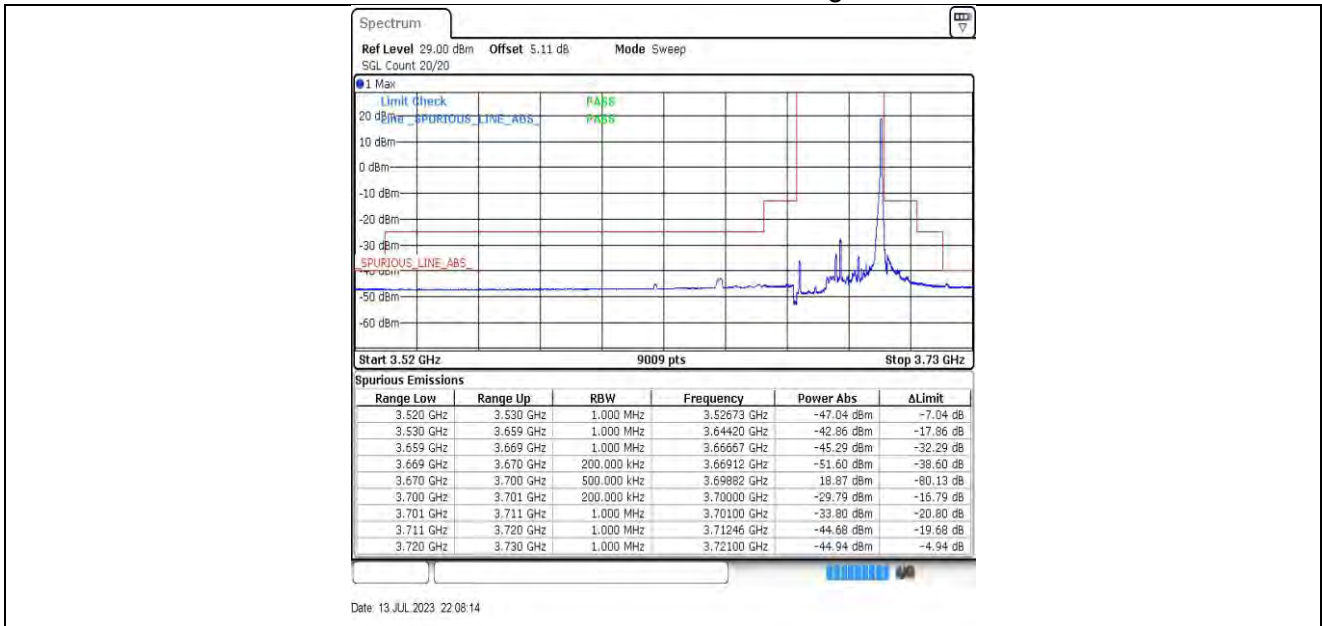
10MHz-20MHz-55295-55439



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10MHz-20MHz-56496-56640



10MHz-20MHz-56496-56640



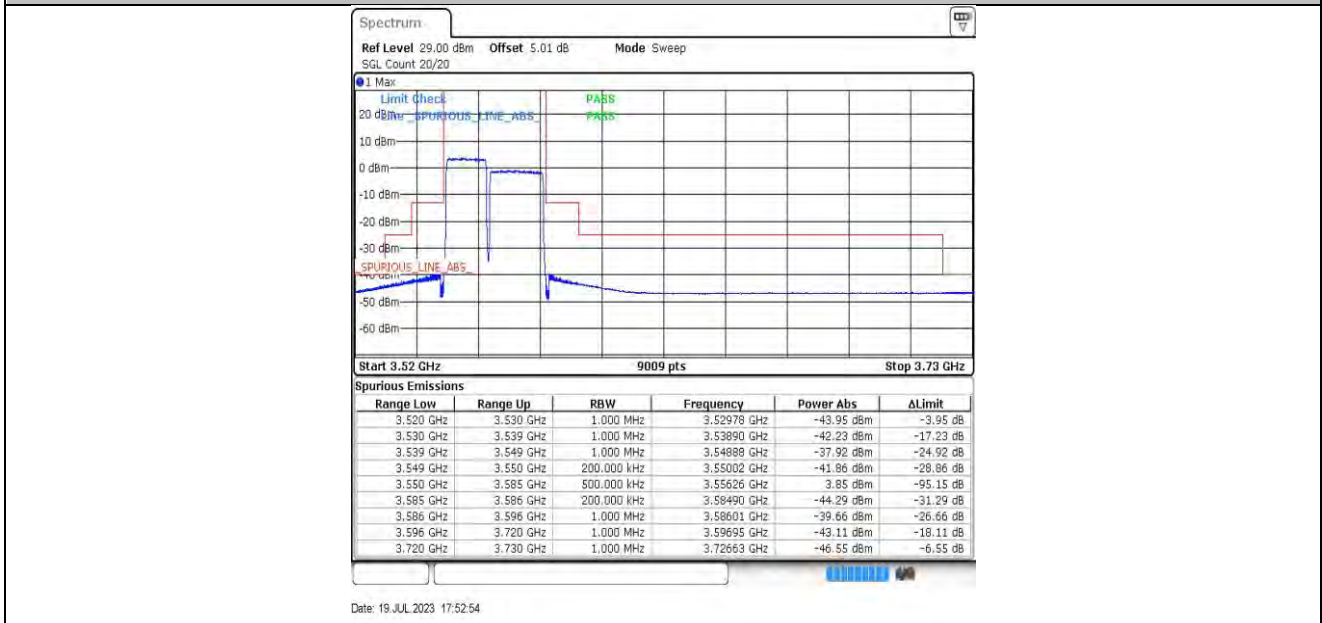
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### 15MHz-20MHz-55318-55489



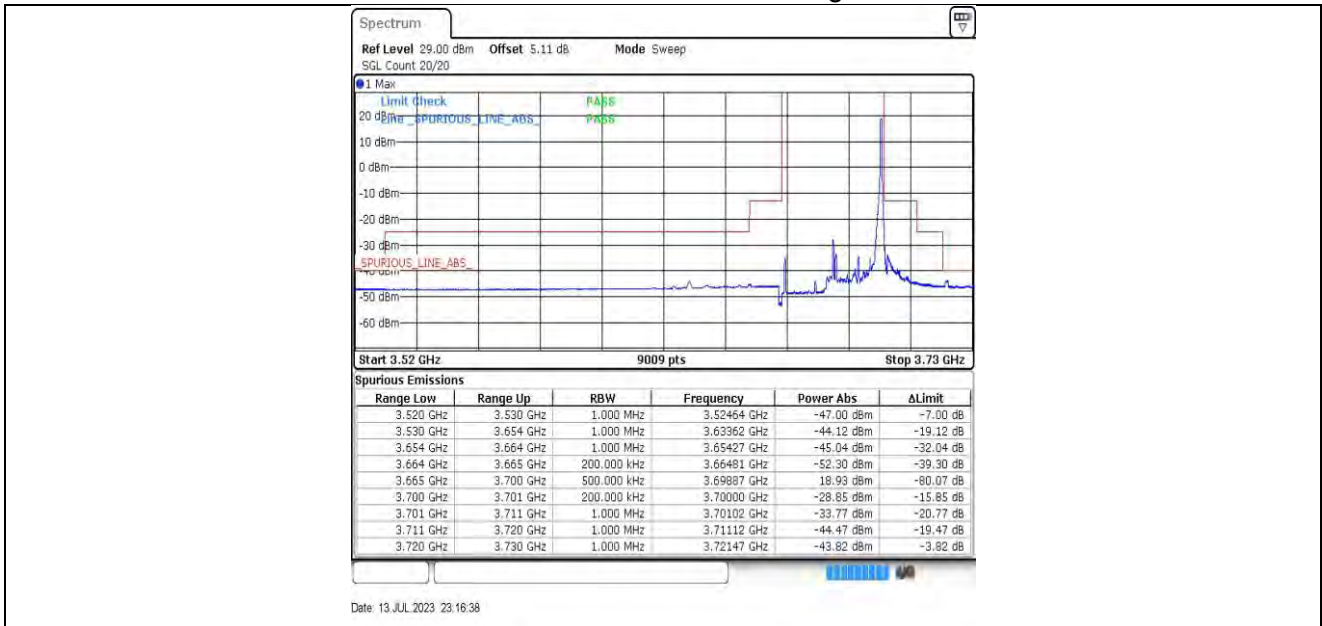
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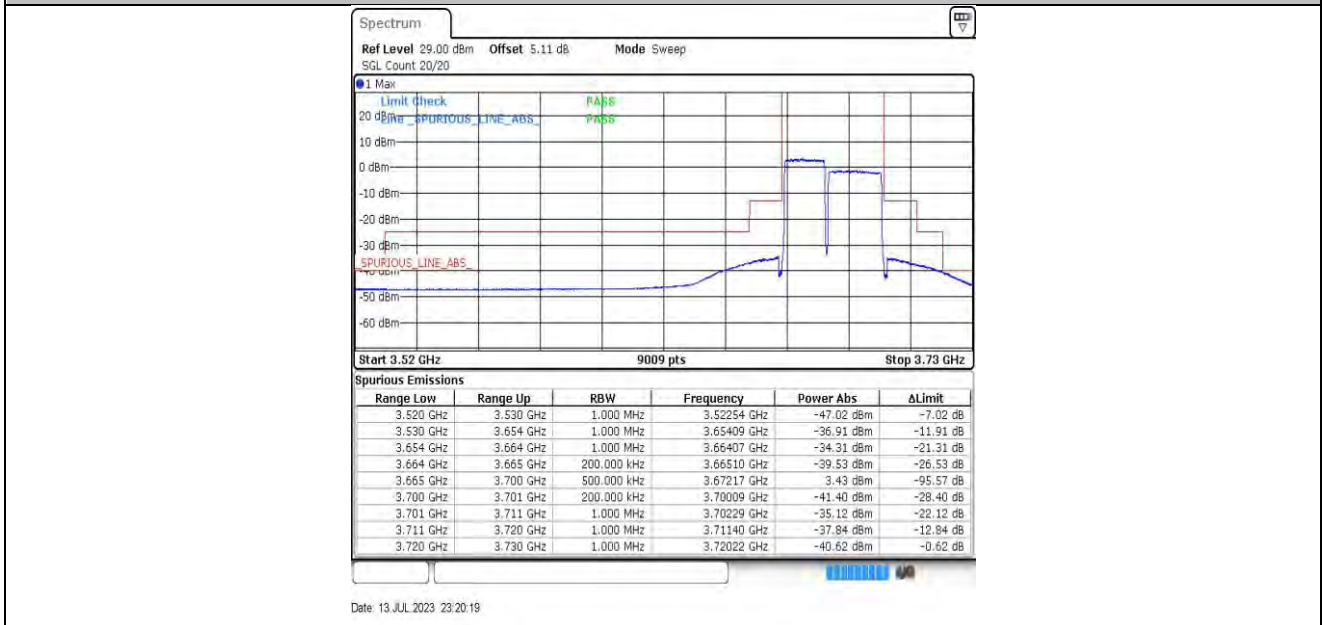
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15MHz-20MHz-56469-56640



15MHz-20MHz-56469-56640

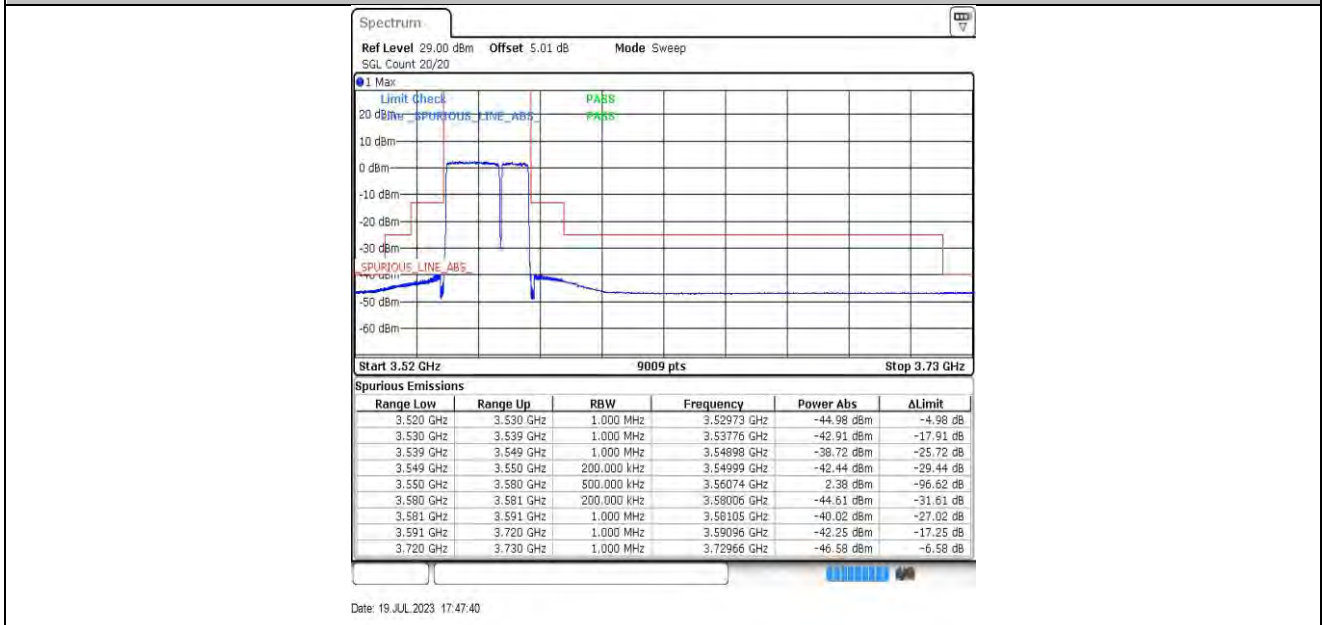


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20MHz-10MHz-55340-55484



20MHz-10MHz-55340-55484

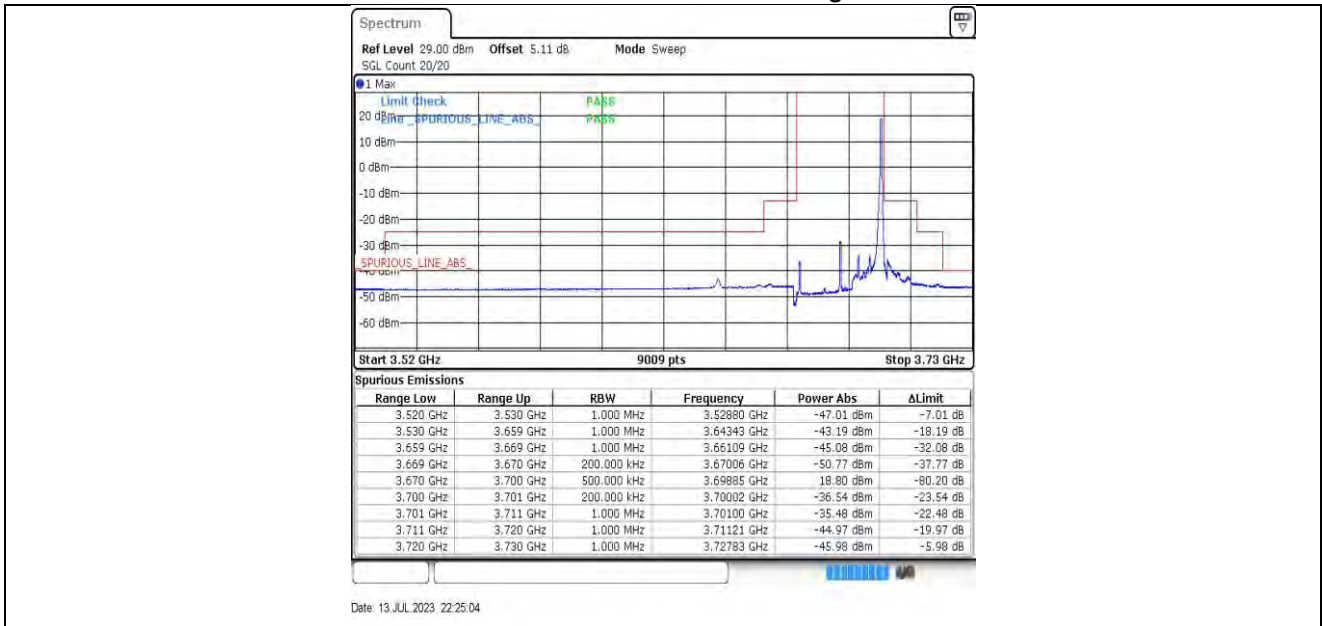


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20MHz-10MHz-56541-56685



20MHz-10MHz-56541-56685



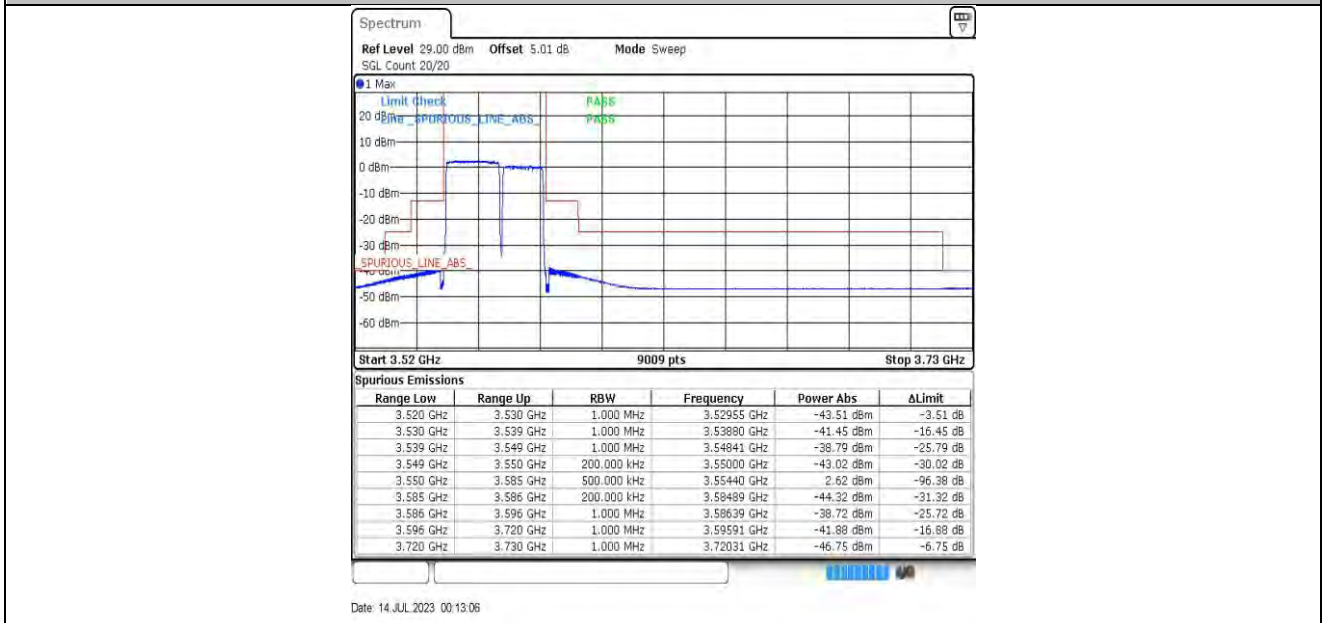
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20MHz-15MHz-55340-55511



20MHz-15MHz-55340-55511



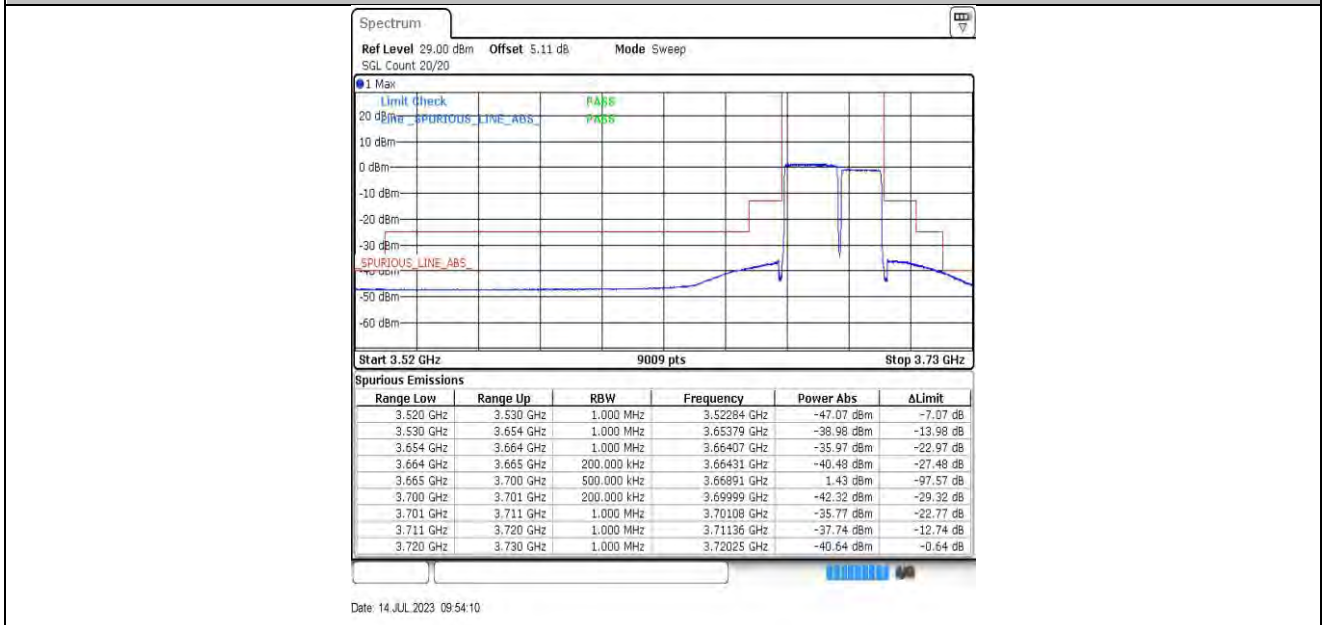
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20MHz-15MHz-56491-56662



20MHz-15MHz-56491-56662



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20MHz-20MHz-55340-55538



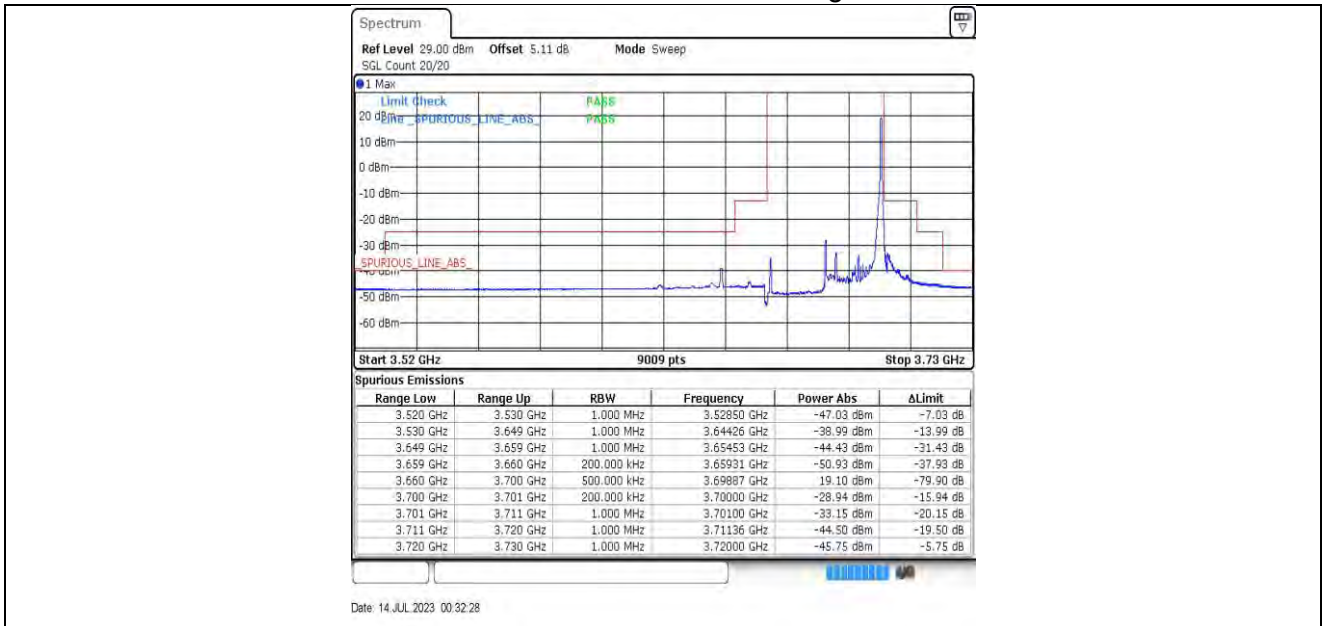
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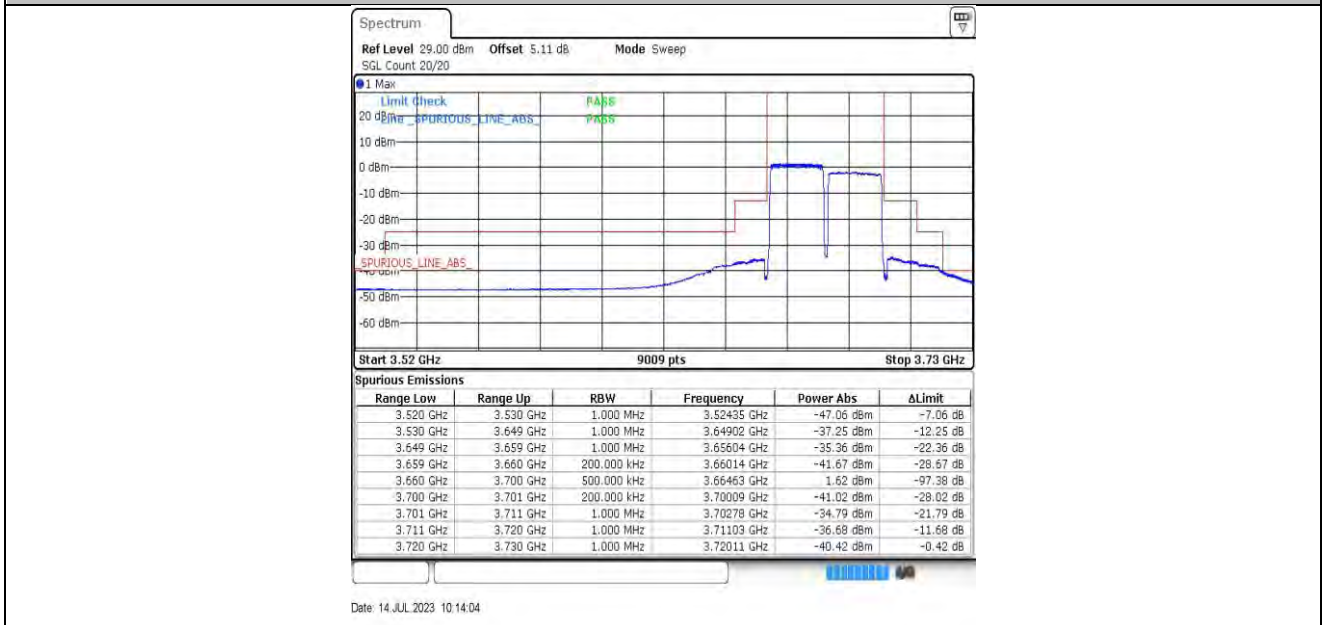
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20MHz-20MHz-56442-56640



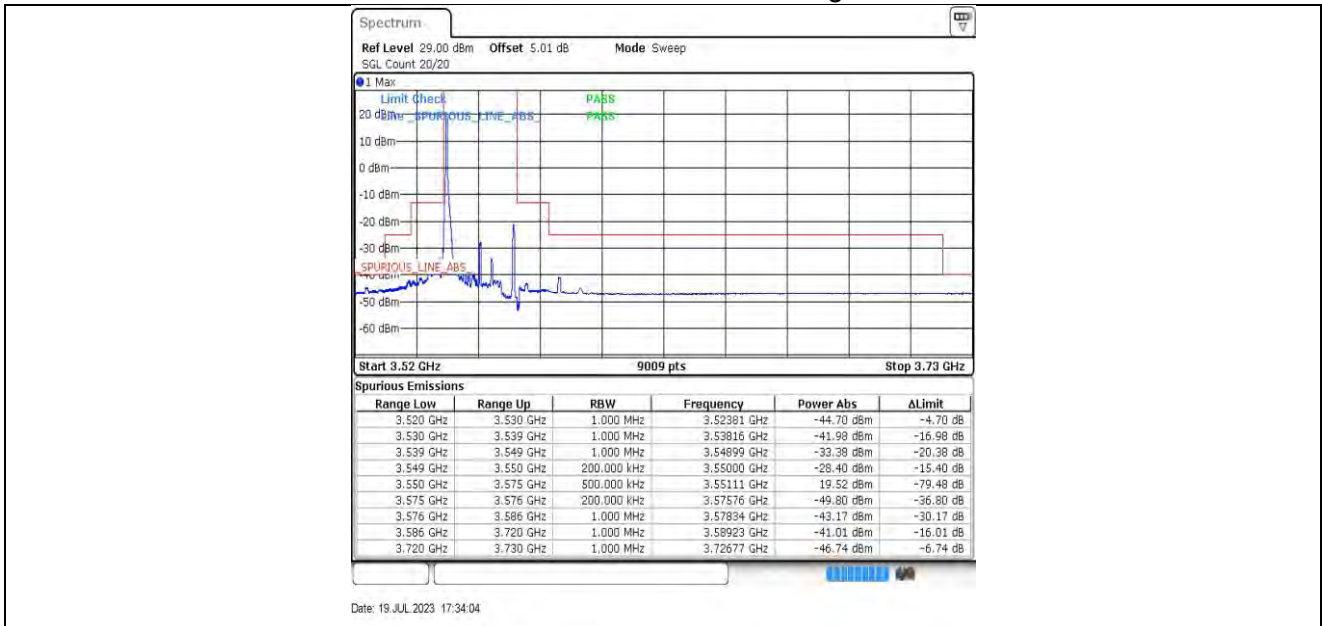
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### 20MHz-5MHz-55340-55457



### 20MHz-5MHz-55340-55457

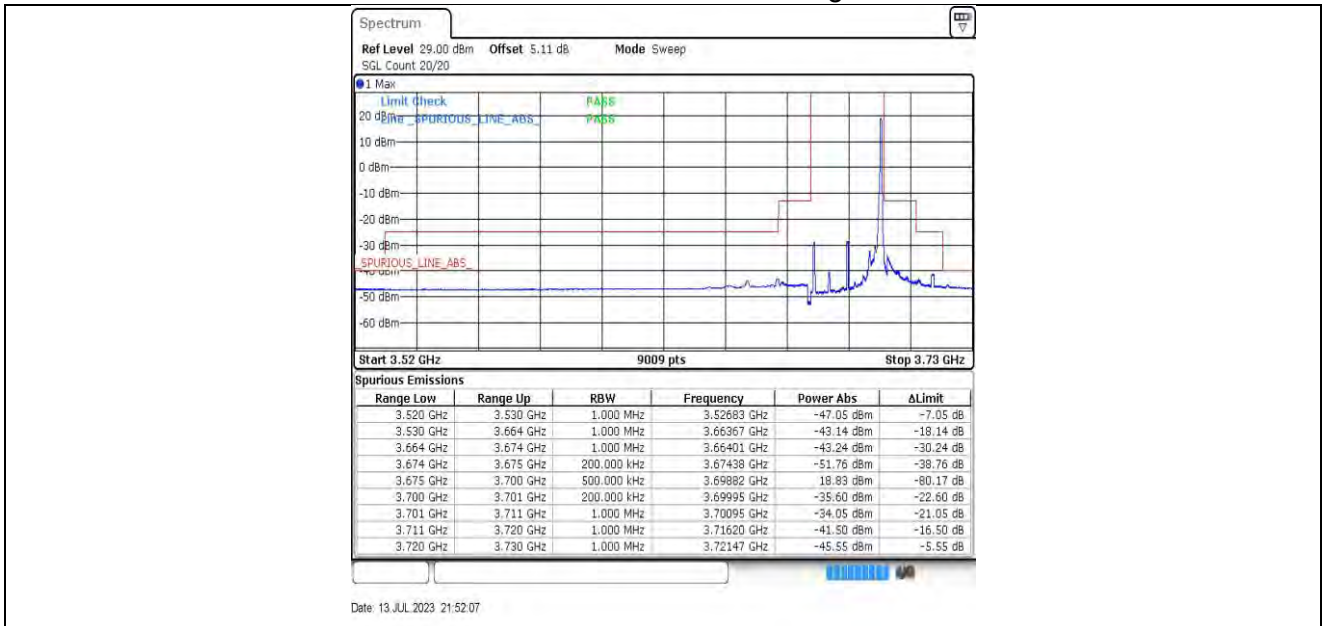


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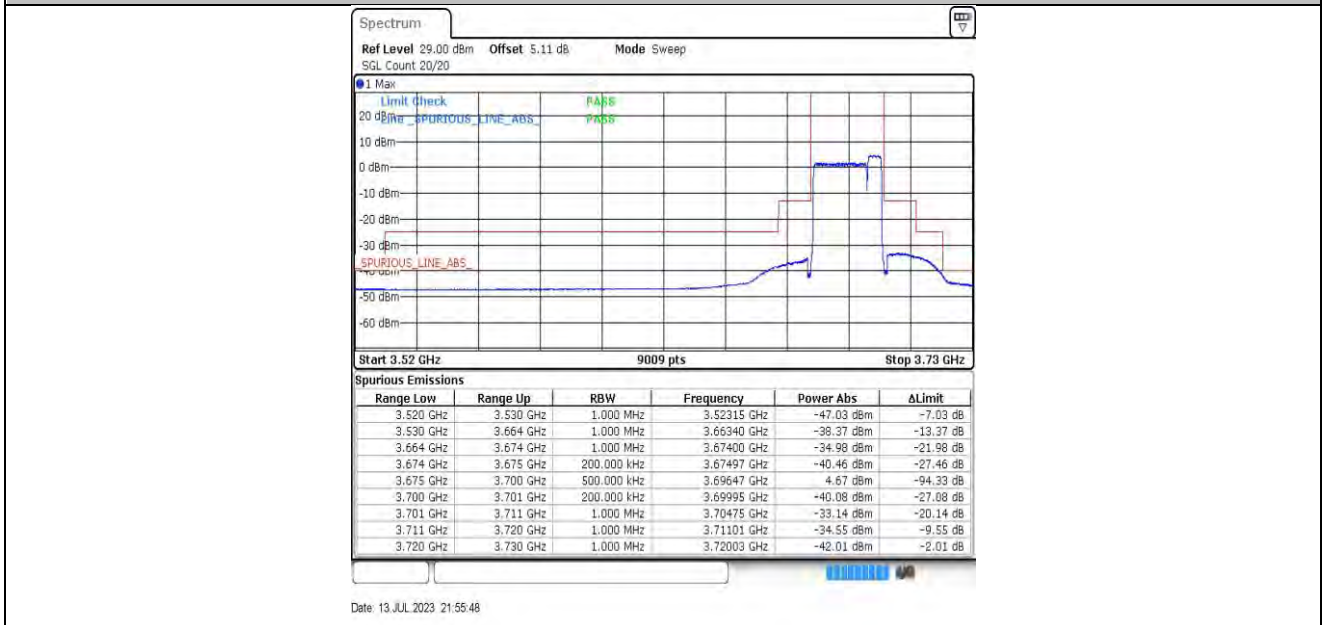
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20MHz-5MHz-56590-56707



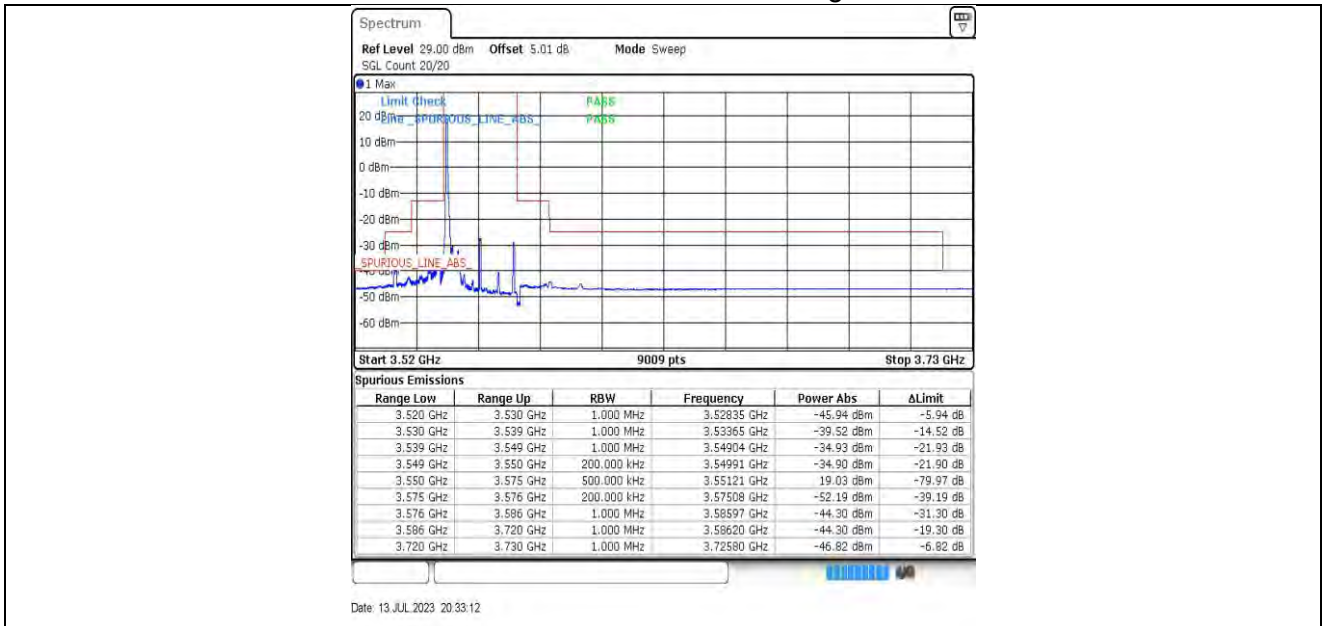
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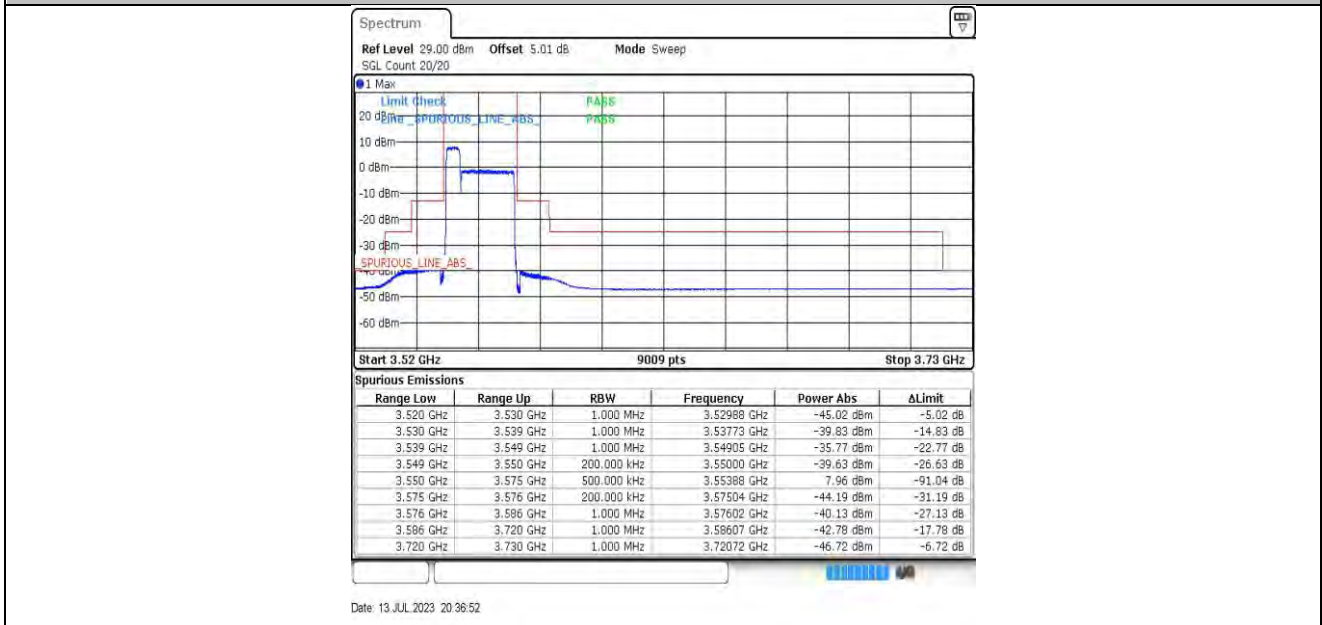
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5MHz-20MHz-55273-55390

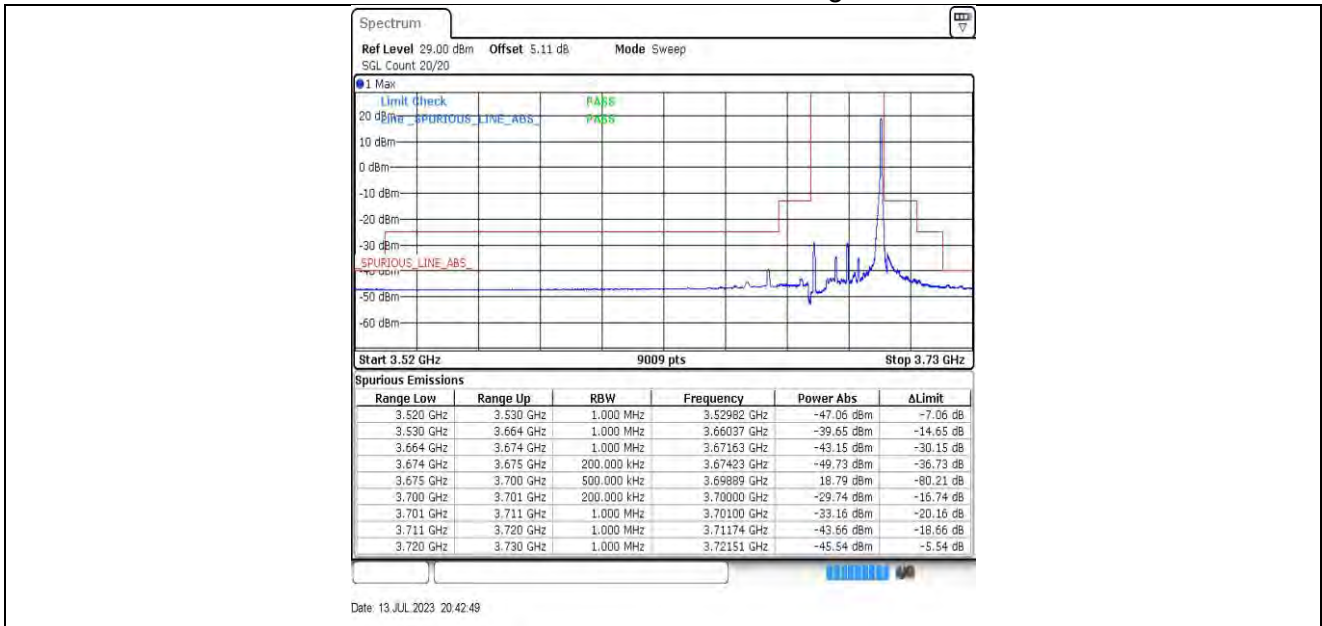


5MHz-20MHz-55273-55390

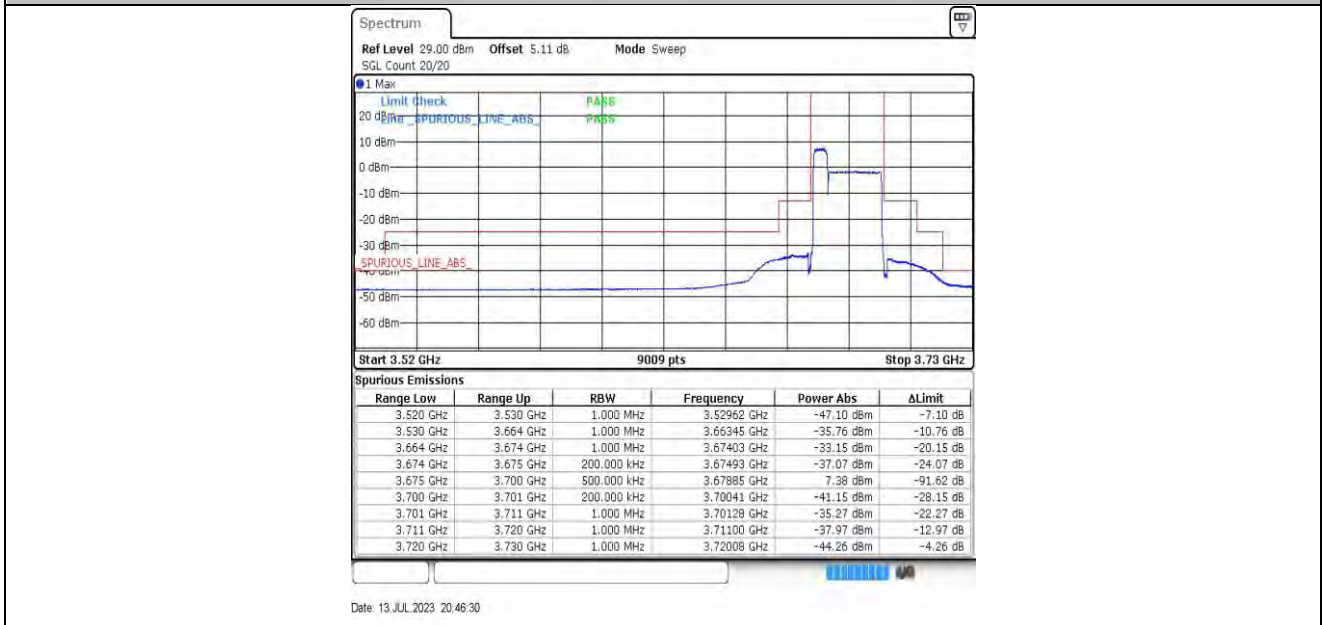


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5MHz-20MHz-56523-56640



5MHz-20MHz-56523-56640



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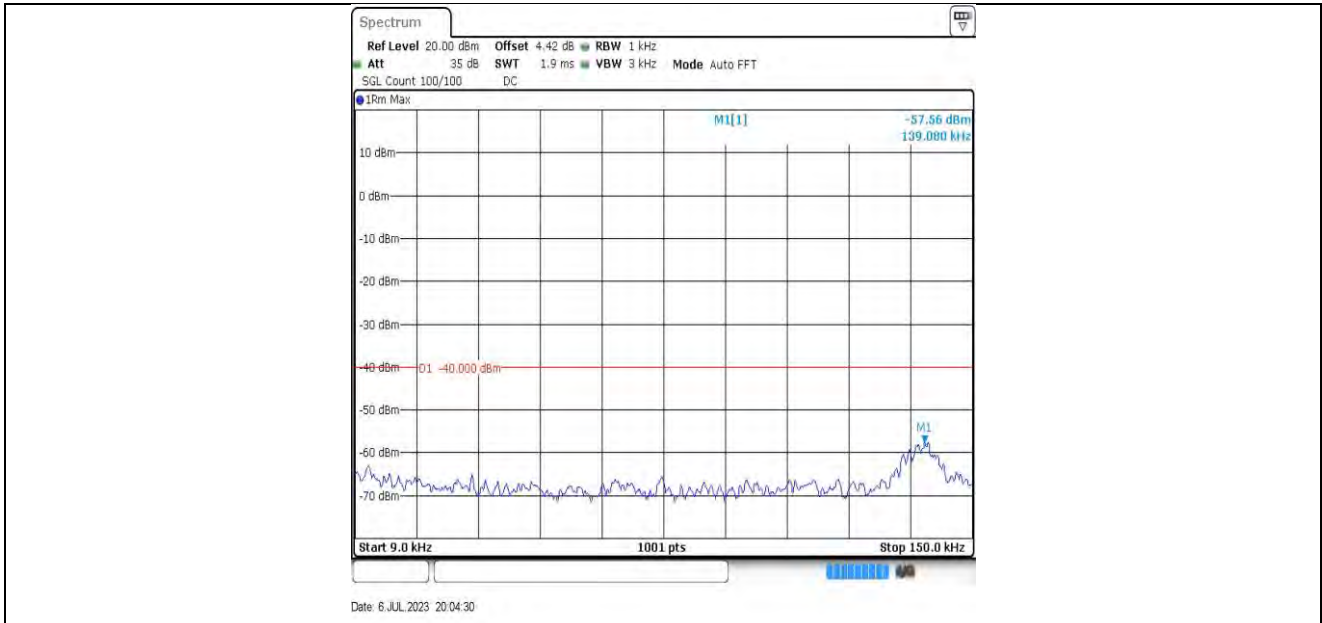
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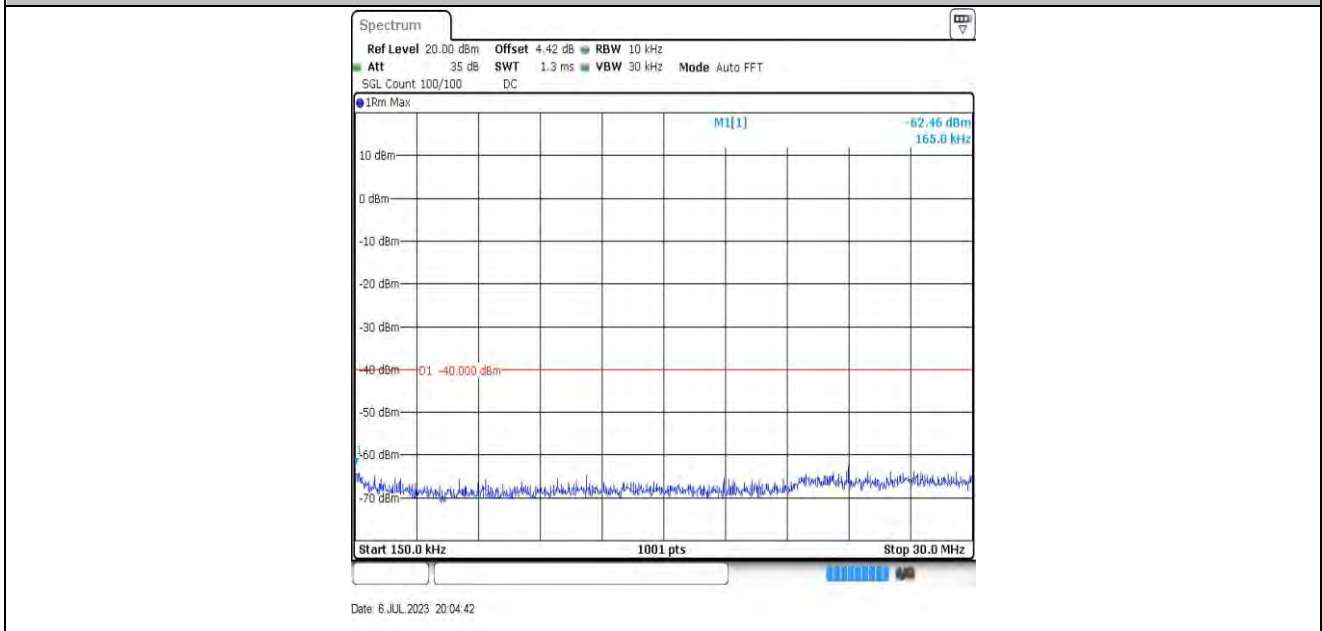


### Conducted Spurious Emission

#### Test Graphs



20MHz-20MHz-55340-55538



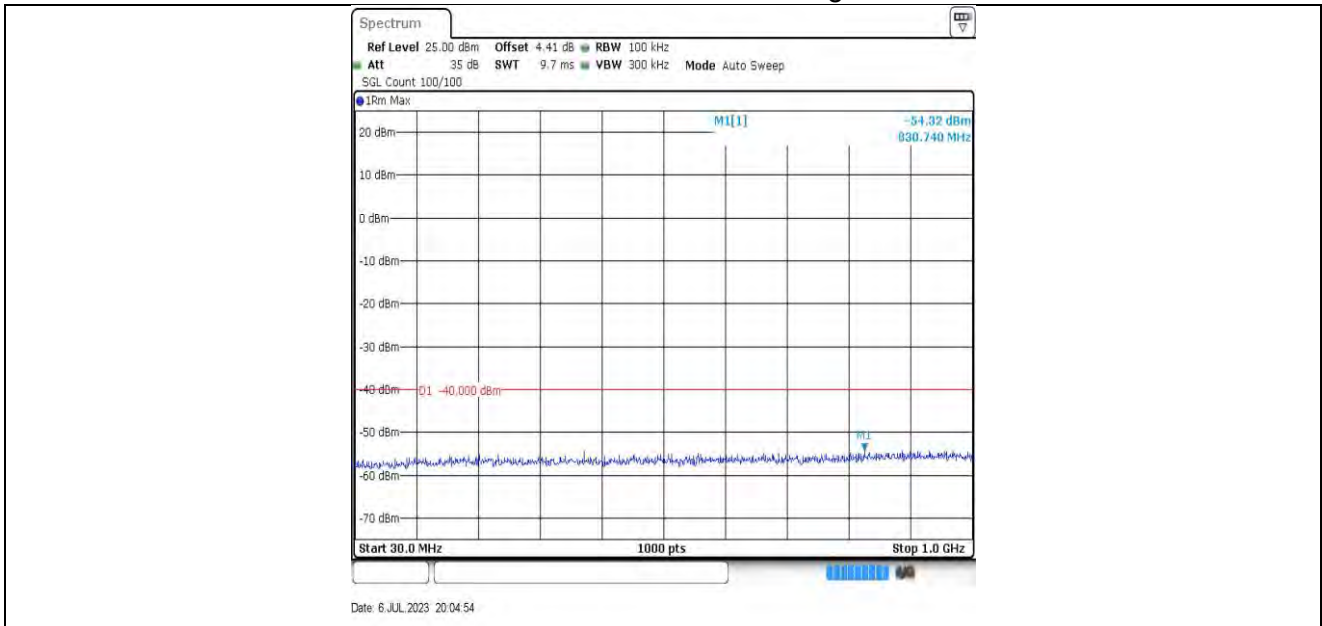
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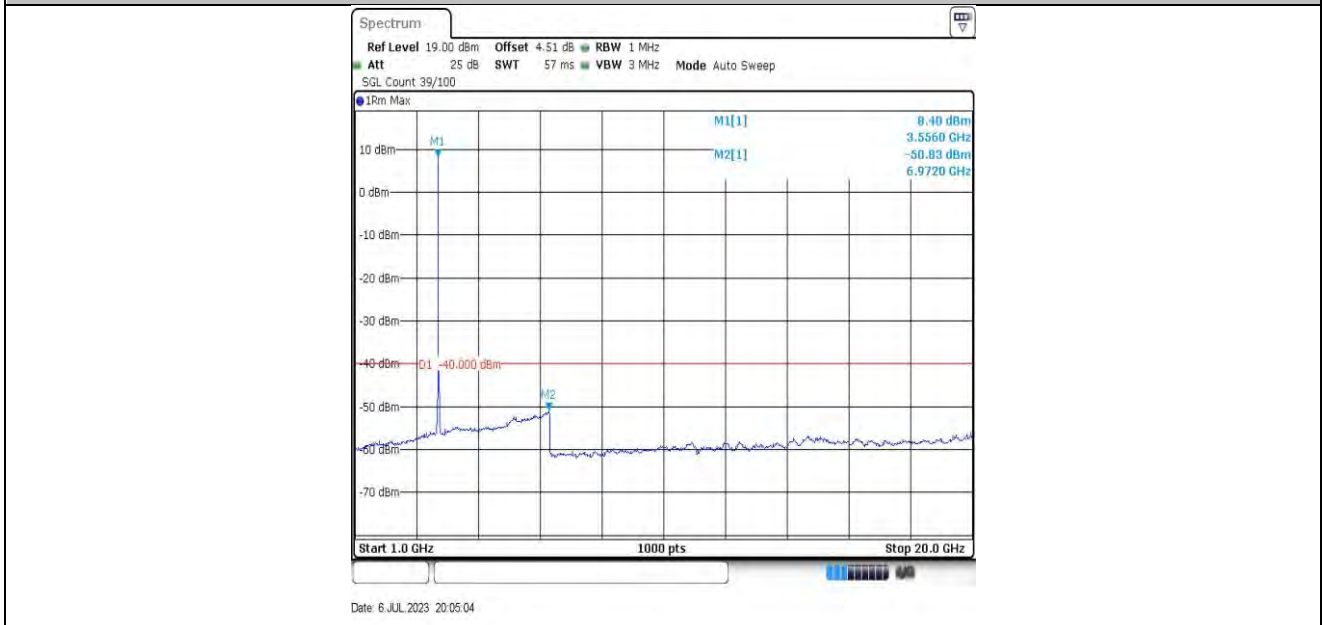
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20MHz-20MHz-55340-55538



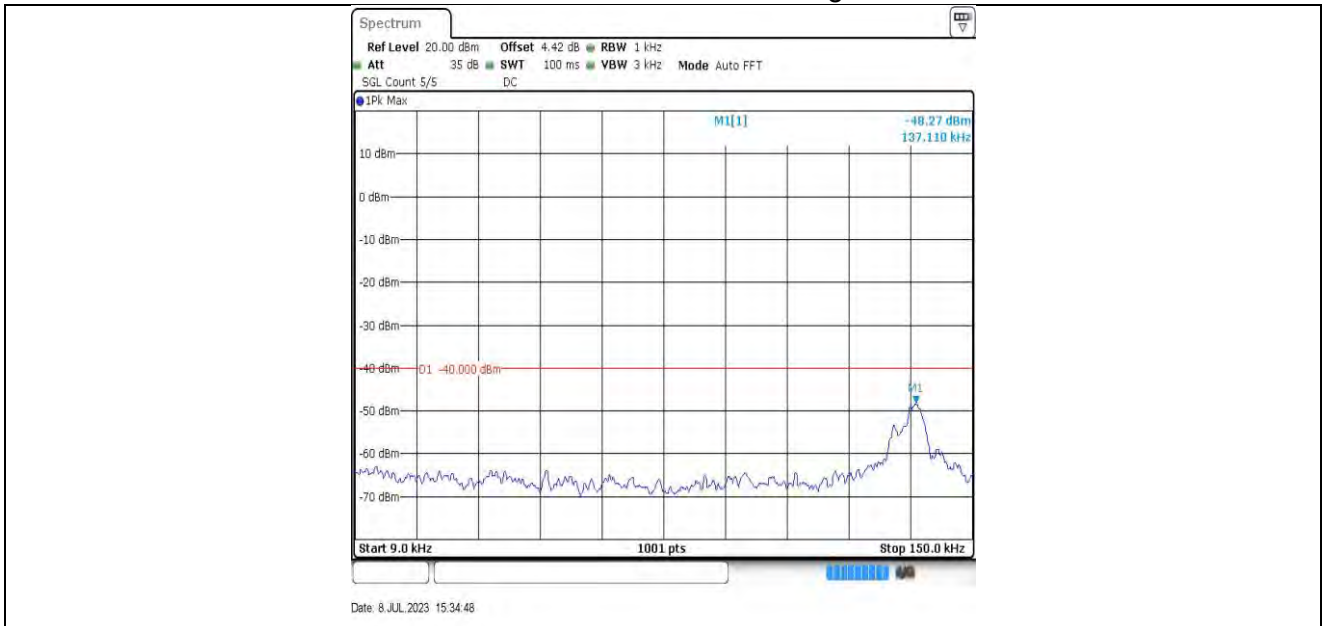
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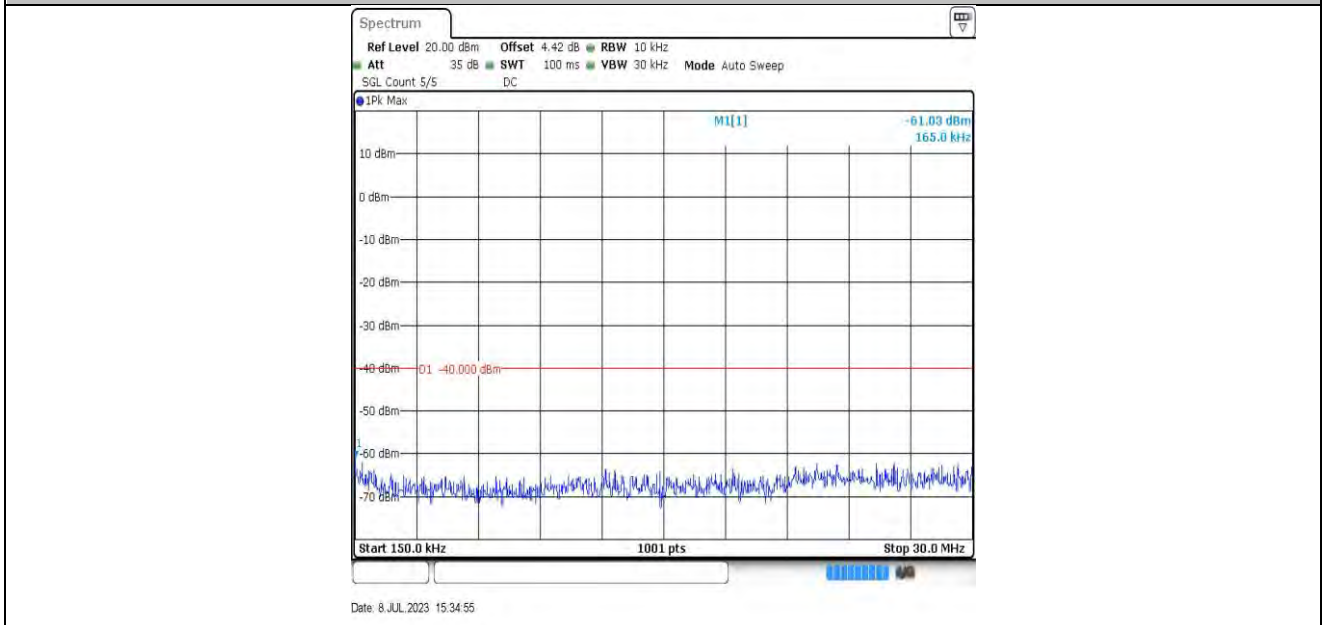
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20MHz-20MHz-55891-56089



20MHz-20MHz-55891-56089

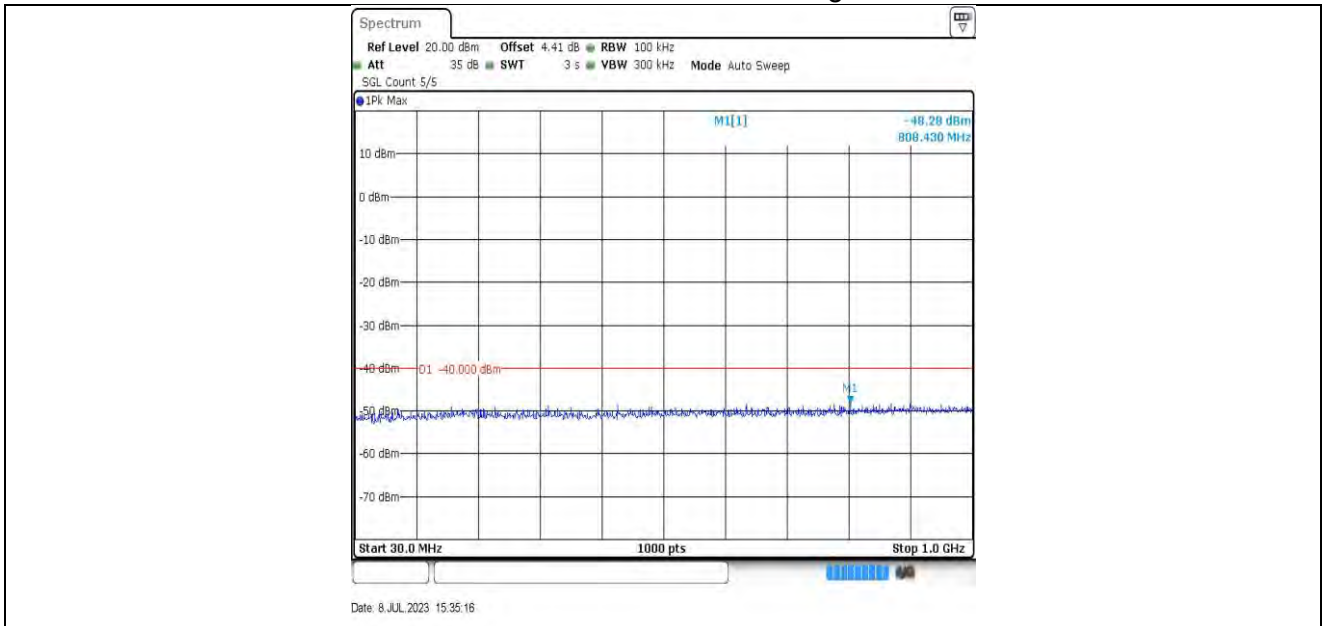


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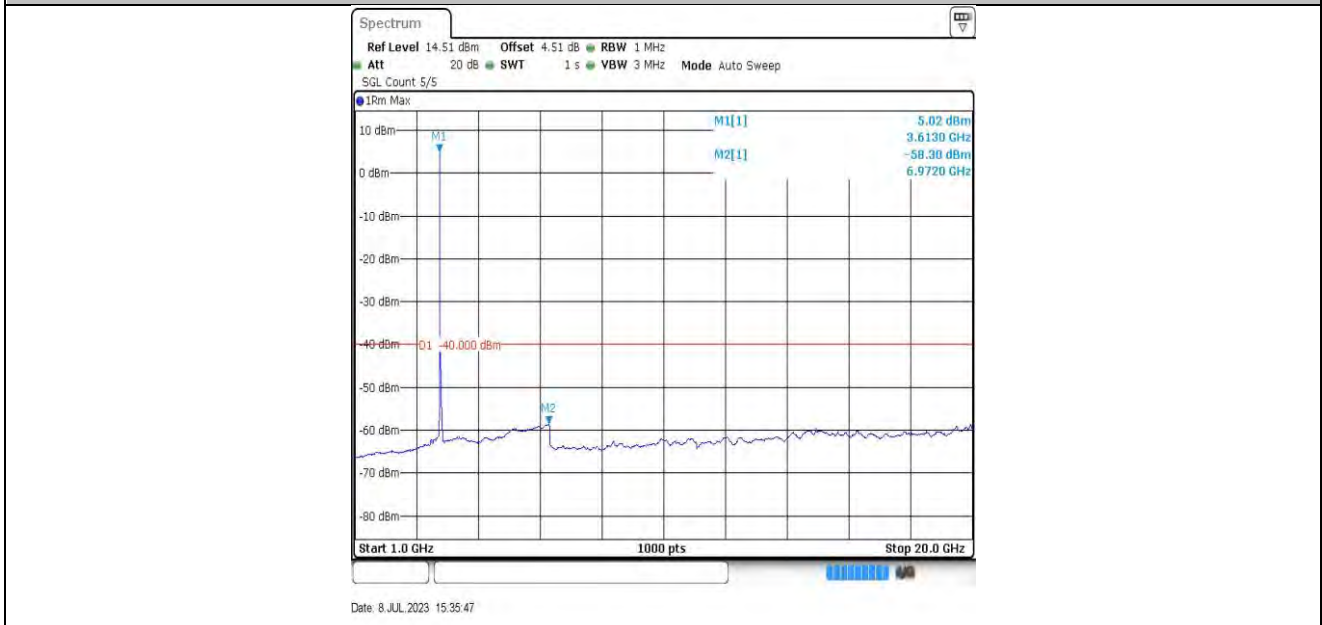
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20MHz-20MHz-55891-56089



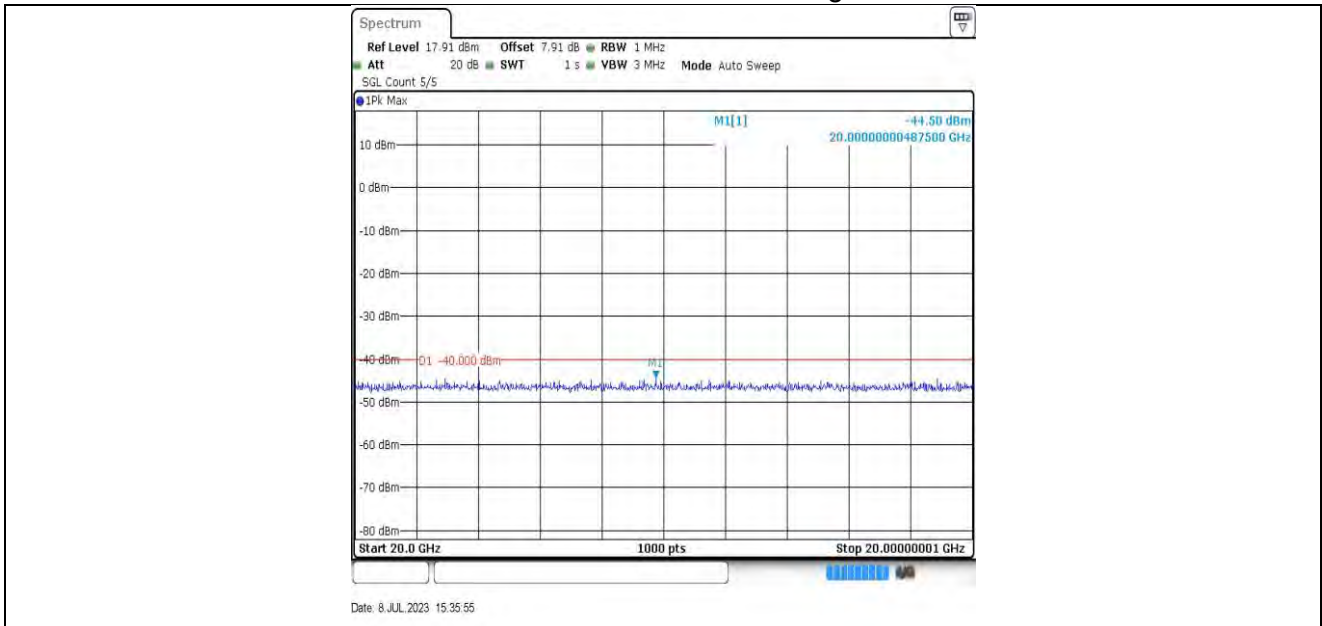
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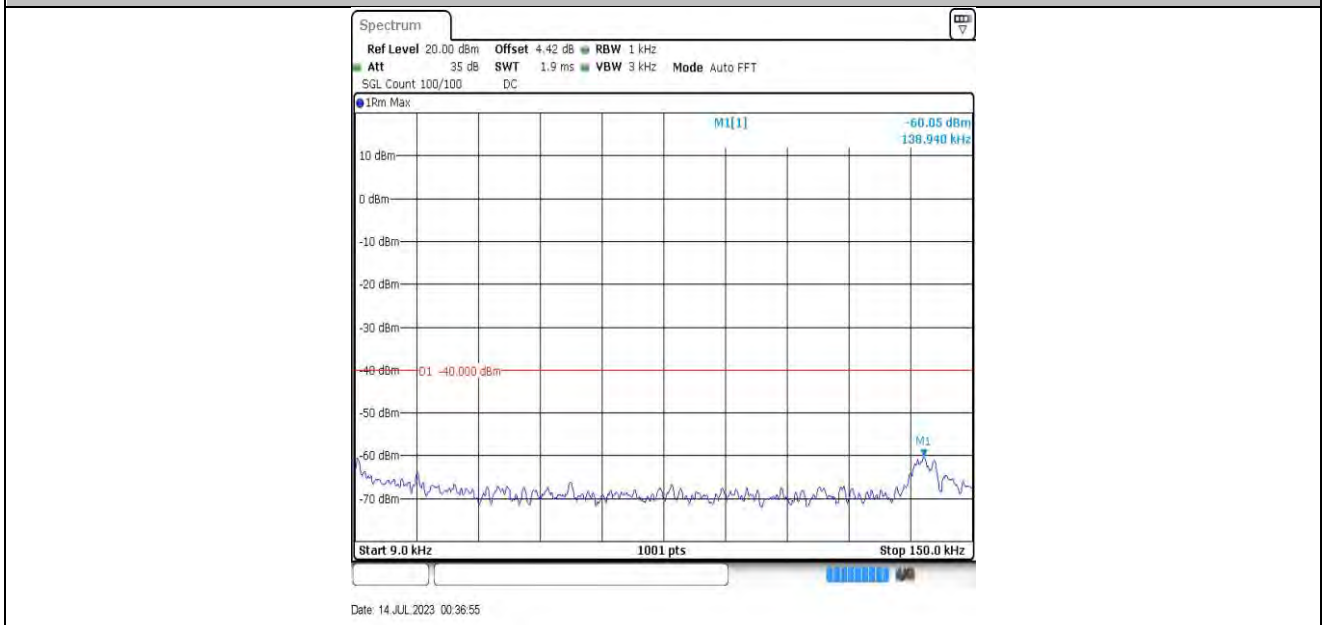
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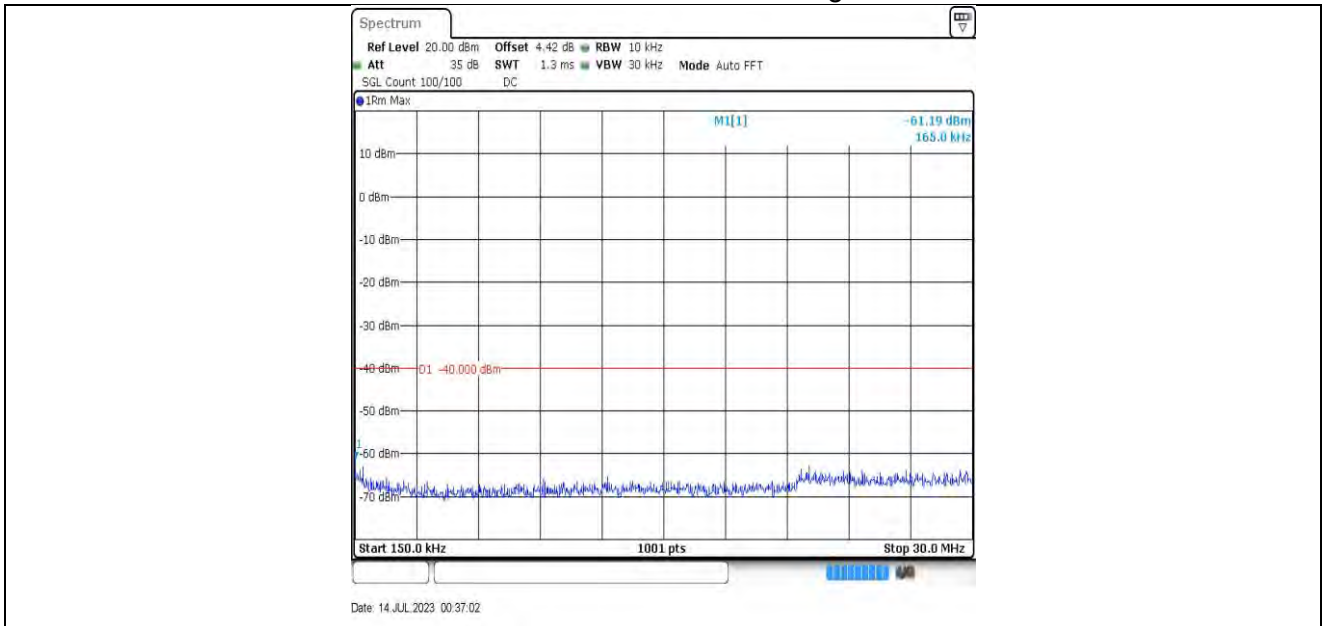
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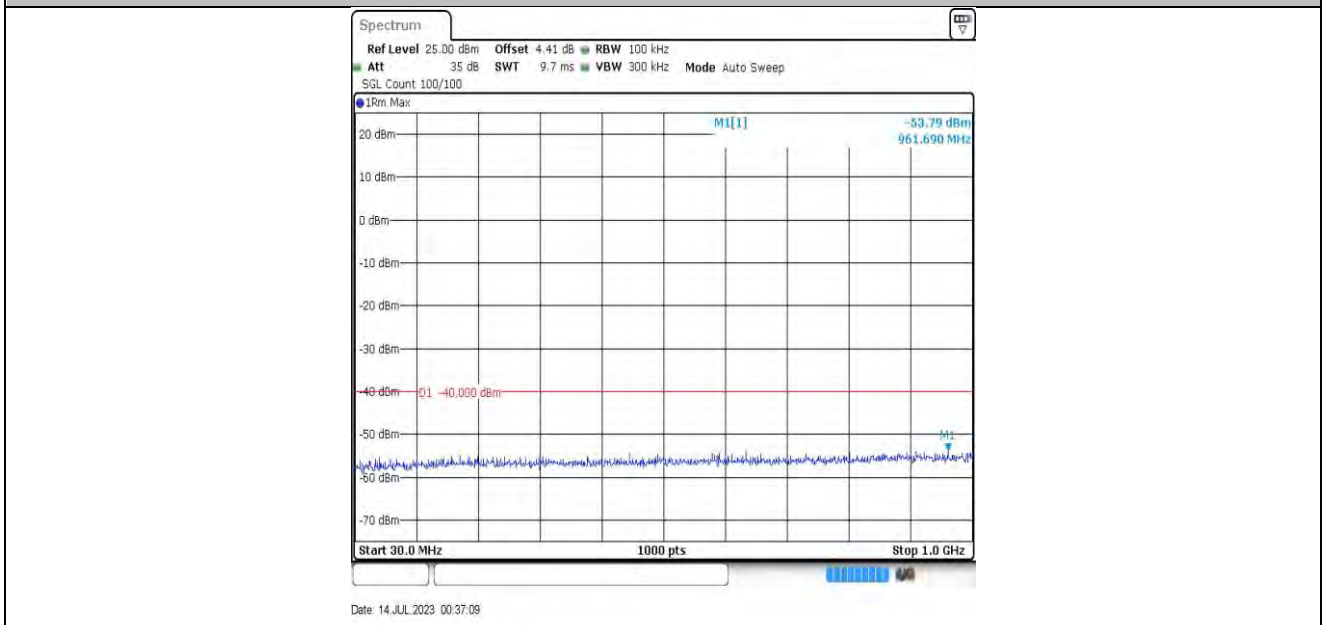
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20MHz-20MHz-56442-56640



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**Field Strength of Spurious Radiation**

**Test Band = LTE Band48CA\_ TM1**

**Test Channel = Low**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7432.075	39.73	-42.91	36.41	-62.03	-40.00	22.03	Horizontal
2	8655.1	38.03	-41.14	36.47	-61.90	-40.00	21.90	Horizontal
3	10112.15	33.73	-38.77	38.26	-62.04	-40.00	22.04	Horizontal
4	11217.3	30.34	-36.71	38.72	-62.91	-40.00	22.91	Horizontal
5	13389.075	27.90	-36.17	39.80	-63.73	-40.00	23.73	Horizontal
6	15329.7	27.43	-33.96	40.61	-61.18	-40.00	21.18	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7811.575	39.14	-42.60	36.72	-61.99	-40.00	21.99	Vertical
2	9097.275	36.07	-40.42	36.48	-63.13	-40.00	23.13	Vertical
3	10676.8	31.60	-37.61	38.54	-62.73	-40.00	22.73	Vertical
4	11455.925	30.98	-36.95	38.75	-62.49	-40.00	22.49	Vertical
5	13455.775	27.98	-36.39	39.92	-63.75	-40.00	23.75	Vertical
6	15351.55	26.95	-33.99	40.56	-61.74	-40.00	21.74	Vertical



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**Test Band = LTE Band48CA\_ TM1**  
**Test Channel = Mid**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7794.325	39.10	-42.60	36.72	-62.04	-40.00	22.04	Horizontal
2	8848.875	36.95	-41.03	36.38	-62.96	-40.00	22.96	Horizontal
3	9833.275	32.56	-39.11	37.88	-63.92	-40.00	23.92	Horizontal
4	10936.125	30.62	-37.73	38.67	-63.70	-40.00	23.70	Horizontal
5	15325.675	26.49	-33.96	40.62	-62.11	-40.00	22.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7869.075	39.00	-42.69	36.75	-62.20	-40.00	22.20	Vertical
2	8617.15	37.49	-40.97	36.49	-62.25	-40.00	22.25	Vertical
3	9636.05	34.89	-39.30	37.51	-62.16	-40.00	22.16	Vertical
4	10822.275	30.91	-38.32	38.61	-64.06	-40.00	24.06	Vertical
5	12802	28.54	-36.63	39.04	-64.30	-40.00	24.30	Vertical
6	15155.475	27.03	-34.08	40.97	-61.34	-40.00	21.34	Vertical



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**Test Band = LTE Band48CA\_ TM1**  
**Test Channel = High**

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7406.2	40.10	-42.81	36.34	-61.64	-40.00	21.64	Horizontal
2	8405.55	38.81	-41.39	36.60	-61.25	-40.00	21.25	Horizontal
3	9439.975	35.73	-39.94	37.14	-62.33	-40.00	22.33	Horizontal
4	10339.275	33.16	-38.87	38.37	-62.60	-40.00	22.60	Horizontal
5	11218.45	30.46	-36.72	38.72	-62.79	-40.00	22.79	Horizontal
6	14629.925	27.55	-35.17	41.15	-61.73	-40.00	21.73	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	7963.375	38.93	-42.35	36.79	-61.90	-40.00	21.90	Vertical
2	9522.775	35.36	-39.79	37.29	-62.39	-40.00	22.39	Vertical
3	10341	32.35	-38.87	38.37	-63.41	-40.00	23.41	Vertical
4	12320.725	28.50	-36.71	38.90	-64.58	-40.00	24.58	Vertical
5	13964.65	27.52	-35.06	40.84	-61.96	-40.00	21.96	Vertical
6	15154.9	26.89	-34.08	40.97	-61.48	-40.00	21.48	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Pre-amplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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**Frequency Stability**

**Test Result**

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	VH	NT	15.90	0.004454	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	VL	NT	21.20	0.005939	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	VN	NT	25.30	0.007087	PASS

Band	Bandwidth	Modulation	Channel	RB Configure	Voltage [Vdc]	Temperature (°C)	Deviation (Hz)	Deviation (ppm)	Verdict
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	-30	31.30	0.008768	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	-20	26.50	0.007423	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	-10	19.10	0.005350	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	0	26.80	0.007507	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	10	24.50	0.006863	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	20	31.70	0.008880	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	30	29.30	0.008208	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	40	35.10	0.009832	PASS
48-48	20MHz-20MHz	QPSK-QPSK	56442-56640	100RB#0-100RB#0	NV	50	26.20	0.007339	PASS

---End of Attachment---



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